284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Cover Page

Order ID : Q2073

Project ID : Nelson

Client : G Environmental

Lab Sample Number	Client Sample Number
Q2073-01	GDW1
Q2073-02	GDW2

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

Signature : _____

Date: 5/29/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

G Environmental
Project Name: Nelson
Project # N/A
Order ID # Q2073
Test Name: SVOCMS Group2

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

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-SIMGroup1, SVOCMS Group1, SVOCMS Group2 and VOCMS Group1. This data package contains results for SVOCMS Group2.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_P using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOCMS Group2 was based on method 8270E and extraction was done based on method 3510.

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

The Blank Spike for {PB168098BS} with File ID: BP024755.D met requirements for all samples except for 3,3-Dichlorobenzidine[63%], 3-Nitroaniline[41%] and 4-Chloroaniline[35%],these compounds did not meet the NJDKQP criteria but met the in-house criteria.

The Blank Spike Duplicate for {PB168098BSD} with File ID: BP024756.D met requirements for all samples except for 3,3-Dichlorobenzidine[61%], 3-Nitroaniline[42%] and 4-Chloroaniline[30%],these compounds did not meet the NJDKQP criteria but met the in-house criteria.

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

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

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The Continuous Calibration File ID BP024788.D met the requirements except for 2,2-oxybis(1-Chloropropane) is marginally biased low and Hexachlorocyclopentadiene is biased high and no positive hit in associated samples therefore no corrective action taken.

The Tuning criteria met requirements.

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

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

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

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

Signature_____

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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 #: **Q2073**

	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: **PRATHA PARGHI** **Date:** **05/29/2025**

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LAB CHRONICLE

OrderID:	Q2073	**OrderDate:**	5/16/2025 2:51:00 PM
Client:	G Environmental	**Project:**	Nelson
Contact:	Gary Landis	**Location:**	L41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2073-01	**GDW1**	**Water**			**05/16/25**			**05/16/25**
			SVOCMS Group2	8270E		05/21/25	05/23/25	
Q2073-02	**GDW2**	**Water**			**05/16/25**			**05/16/25**
			SVOCMS Group2	8270E		05/21/25	05/23/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2073

Client: G Environmental

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
Client ID : GDW1									
Q2073-01	GDW1	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	3.600	AB	0	0	ug/L
Q2073-01	GDW1	WATER	Benzophenone	*	3.000	J	0	0	ug/L
			Total Tics :				**6.60**		
			Total Concentration:				**6.60**		
Client ID : GDW2									
Q2073-02	GDW2	WATER	Caprolactam		5.800	J	1.2	10.3	ug/L
			Total Svoc :				**5.80**		
Q2073-02	GDW2	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	3.100	AB	0	0	ug/L
Q2073-02	GDW2	WATER	Benzophenone	*	3.700	J	0	0	ug/L
			Total Tics :				**6.80**		
			Total Concentration:				**12.60**		



QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q2073

Client: G Environmental

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168098BL	PB168098BL	Nitrobenzene-d5	100	75.0	75		30 (49)	130 (133)
		2-Fluorobiphenyl	100	77.3	77		30 (52)	130 (132)
		Terphenyl-d14	100	83.0	83		30 (48)	130 (125)
PB168098BS	PB168098BS	Nitrobenzene-d5	100	72.8	73		30 (49)	130 (133)
		2-Fluorobiphenyl	100	76.3	76		30 (52)	130 (132)
		Terphenyl-d14	100	77.9	78		30 (48)	130 (125)
PB168098BSD	PB168098BSD	Nitrobenzene-d5	100	73.9	74		30 (49)	130 (133)
		2-Fluorobiphenyl	100	76.8	77		30 (52)	130 (132)
		Terphenyl-d14	100	81.5	81		30 (48)	130 (125)
Q2073-01	GDW1	Nitrobenzene-d5	100	63.3	63		30 (49)	130 (133)
		2-Fluorobiphenyl	100	63.7	64		30 (52)	130 (132)
		Terphenyl-d14	100	84.3	84		30 (48)	130 (125)
Q2073-02	GDW2	Nitrobenzene-d5	100	68.2	68		30 (49)	130 (133)
		2-Fluorobiphenyl	100	67.7	68		30 (52)	130 (132)
		Terphenyl-d14	100	78.0	78		30 (48)	130 (125)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2073

Client: G Environmental

Analytical Method: 8270E **DataFile:** BP024755.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168098BS	Benzaldehyde	50	34.3	ug/L	69				20 (10)	160 (162)	
	Phenol	50	42.7	ug/L	85				20 (66)	160 (118)	
	bis(2-Chloroethyl)ether	50	37.4	ug/L	75				70 (62)	130 (103)	
	2-Chlorophenol	50	44.8	ug/L	90				70 (70)	130 (117)	
	2-Methylphenol	50	42.4	ug/L	85				70 (69)	130 (109)	
	2,2-oxybis(1-Chloropropane)	50	37.1	ug/L	74				70 (65)	130 (100)	
	Acetophenone	50	41.6	ug/L	83				70 (60)	130 (104)	
	3+4-Methylphenols	50	41.5	ug/L	83				20 (67)	160 (106)	
	N-Nitroso-di-n-propylamine	50	36.0	ug/L	72				70 (57)	130 (107)	
	Hexachloroethane	50	40.0	ug/L	80				20 (76)	160 (118)	
	Nitrobenzene	50	41.3	ug/L	83				70 (58)	130 (106)	
	Isophorone	50	38.8	ug/L	78				70 (61)	130 (102)	
	2-Nitrophenol	50	47.2	ug/L	94				70 (70)	130 (115)	
	2,4-Dimethylphenol	50	45.2	ug/L	90				70 (42)	130 (142)	
	bis(2-Chloroethoxy)methane	50	39.5	ug/L	79				70 (58)	130 (109)	
	2,4-Dichlorophenol	50	46.8	ug/L	94				70 (66)	130 (115)	
	Naphthalene	50	43.0	ug/L	86				70 (64)	130 (107)	
	4-Chloroaniline	50	17.3	ug/L	35		*		70 (10)	130 (85)	
	Hexachlorobutadiene	50	44.1	ug/L	88				70 (69)	130 (101)	
	Caprolactam	50	42.6	ug/L	85				20 (58)	160 (128)	
	4-Chloro-3-methylphenol	50	44.4	ug/L	89				70 (65)	130 (114)	
	2-Methylnaphthalene	50	41.6	ug/L	83				70 (64)	130 (107)	
	Hexachlorocyclopentadiene	100	80.6	ug/L	81				20 (36)	160 (160)	
	2,4,6-Trichlorophenol	50	47.8	ug/L	96				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	46.5	ug/L	93				70 (70)	130 (106)	
	1,1-Biphenyl	50	42.9	ug/L	86				70 (72)	130 (98)	
	2-Chloronaphthalene	50	43.4	ug/L	87				70 (59)	130 (106)	
	2-Nitroaniline	50	43.0	ug/L	86				70 (73)	130 (114)	
	Dimethylphthalate	50	42.1	ug/L	84				70 (64)	130 (103)	
	Acenaphthylene	50	42.4	ug/L	85				70 (79)	130 (103)	
	2,6-Dinitrotoluene	50	43.8	ug/L	88				70 (64)	130 (110)	
	3-Nitroaniline	50	20.5	ug/L	41		*		70 (28)	130 (100)	
	Acenaphthene	50	42.1	ug/L	84				70 (59)	130 (113)	
	2,4-Dinitrophenol	100	90.4	ug/L	90				20 (36)	160 (166)	
	4-Nitrophenol	100	77.9	ug/L	78				20 (45)	160 (147)	
	Dibenzofuran	50	43.3	ug/L	87				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	46.5	ug/L	93				70 (60)	130 (115)	
	Diethylphthalate	50	43.5	ug/L	87				70 (63)	130 (105)	
	4-Chlorophenyl-phenylether	50	43.9	ug/L	88				70 (61)	130 (104)	
	Fluorene	50	44.1	ug/L	88				70 (64)	130 (107)	
	4-Nitroaniline	50	46.3	ug/L	93				70 (55)	130 (125)	
	4,6-Dinitro-2-methylphenol	50	47.0	ug/L	94				70 (62)	130 (132)	
	N-Nitrosodiphenylamine	50	43.9	ug/L	88				70 (61)	130 (109)	
	4-Bromophenyl-phenylether	50	45.8	ug/L	92				70 (73)	130 (103)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2073

Client: G Environmental

Analytical Method: 8270E **DataFile:** BP024755.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168098BS	Hexachlorobenzene	50	45.5	ug/L	91				70 (73)	130 (106)	
	Atrazine	50	46.4	ug/L	93				70 (76)	130 (120)	
	Pentachlorophenol	100	110	ug/L	110				20 (47)	160 (114)	
	Phenanthrene	50	43.2	ug/L	86				70 (62)	130 (109)	
	Anthracene	50	44.5	ug/L	89				70 (65)	130 (110)	
	Carbazole	50	45.5	ug/L	91				70 (62)	130 (106)	
	Di-n-butylphthalate	50	44.8	ug/L	90				70 (64)	130 (106)	
	Fluoranthene	50	46.0	ug/L	92				70 (64)	130 (110)	
	Pyrene	50	44.5	ug/L	89				70 (71)	130 (103)	
	Butylbenzylphthalate	50	46.1	ug/L	92				70 (61)	130 (105)	
	3,3-Dichlorobenzidine	50	31.3	ug/L	63		*		70 (43)	130 (108)	
	Benzo(a)anthracene	50	43.9	ug/L	88				70 (62)	130 (107)	
	Chrysene	50	44.1	ug/L	88				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	44.2	ug/L	88				70 (59)	130 (110)	
	Di-n-octyl phthalate	50	46.3	ug/L	93				70 (52)	130 (139)	
	Benzo(b)fluoranthene	50	44.2	ug/L	88				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	44.0	ug/L	88				70 (77)	130 (105)	
	Benzo(a)pyrene	50	44.8	ug/L	90				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	45.7	ug/L	91				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	46.0	ug/L	92				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	44.9	ug/L	90				70 (75)	130 (118)	
	1,2,4,5-Tetrachlorobenzene	50	44.9	ug/L	90				70 (72)	130 (101)	
	1,4-Dioxane	50	31.3	ug/L	63				20 (38)	160 (125)	
	2,3,4,6-Tetrachlorophenol	50	45.7	ug/L	91				70 (63)	130 (116)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2073

Client: G Environmental

Analytical Method: 8270E **DataFile:** BP024756.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168098BSD	Benzaldehyde	50	36.2	ug/L	72	5			20 (10)	160 (162)	20 (20)
	Phenol	50	46.0	ug/L	92	7			20 (66)	160 (118)	20 (20)
	bis(2-Chloroethyl)ether	50	40.2	ug/L	80	7			70 (62)	130 (103)	20 (20)
	2-Chlorophenol	50	47.7	ug/L	95	6			70 (70)	130 (117)	20 (20)
	2-Methylphenol	50	46.4	ug/L	93	9			70 (69)	130 (109)	20 (20)
	2,2-oxybis(1-Chloropropane)	50	39.6	ug/L	79	7			70 (65)	130 (100)	20 (20)
	Acetophenone	50	42.3	ug/L	85	2			70 (60)	130 (104)	20 (20)
	3+4-Methylphenols	50	45.5	ug/L	91	9			20 (67)	160 (106)	20 (20)
	N-Nitroso-di-n-propylamine	50	39.1	ug/L	78	8			70 (57)	130 (107)	20 (20)
	Hexachloroethane	50	41.6	ug/L	83	4			20 (76)	160 (118)	20 (20)
	Nitrobenzene	50	42.0	ug/L	84	2			70 (58)	130 (106)	20 (20)
	Isophorone	50	40.8	ug/L	82	5			70 (61)	130 (102)	20 (20)
	2-Nitrophenol	50	48.8	ug/L	98	3			70 (70)	130 (115)	20 (20)
	2,4-Dimethylphenol	50	46.9	ug/L	94	4			70 (42)	130 (142)	20 (20)
	bis(2-Chloroethoxy)methane	50	41.2	ug/L	82	4			70 (58)	130 (109)	20 (20)
	2,4-Dichlorophenol	50	49.2	ug/L	98	5			70 (66)	130 (115)	20 (20)
	Naphthalene	50	43.4	ug/L	87	1			70 (64)	130 (107)	20 (20)
	4-Chloroaniline	50	15.2	ug/L	30	13	*		70 (10)	130 (85)	20 (20)
	Hexachlorobutadiene	50	45.0	ug/L	90	2			70 (69)	130 (101)	20 (20)
	Caprolactam	50	45.8	ug/L	92	7			20 (58)	160 (128)	20 (20)
	4-Chloro-3-methylphenol	50	47.0	ug/L	94	6			70 (65)	130 (114)	20 (20)
	2-Methylnaphthalene	50	43.0	ug/L	86	3			70 (64)	130 (107)	20 (20)
	Hexachlorocyclopentadiene	100	85.2	ug/L	85	6			20 (36)	160 (160)	20 (20)
	2,4,6-Trichlorophenol	50	49.4	ug/L	99	3			70 (61)	130 (110)	20 (20)
	2,4,5-Trichlorophenol	50	49.2	ug/L	98	6			70 (70)	130 (106)	20 (20)
	1,1-Biphenyl	50	43.6	ug/L	87	2			70 (72)	130 (98)	20 (20)
	2-Chloronaphthalene	50	43.7	ug/L	87	1			70 (59)	130 (106)	20 (20)
	2-Nitroaniline	50	44.1	ug/L	88	3			70 (73)	130 (114)	20 (20)
	Dimethylphthalate	50	44.3	ug/L	89	5			70 (64)	130 (103)	20 (20)
	Acenaphthylene	50	43.6	ug/L	87	3			70 (79)	130 (103)	20 (20)
	2,6-Dinitrotoluene	50	45.5	ug/L	91	4			70 (64)	130 (110)	20 (20)
	3-Nitroaniline	50	21.1	ug/L	42	3	*		70 (28)	130 (100)	20 (20)
	Acenaphthene	50	43.5	ug/L	87	3			70 (59)	130 (113)	20 (20)
	2,4-Dinitrophenol	100	92.6	ug/L	93	2			20 (36)	160 (166)	20 (20)
	4-Nitrophenol	100	83.4	ug/L	83	7			20 (45)	160 (147)	20 (20)
	Dibenzofuran	50	44.0	ug/L	88	2			70 (65)	130 (106)	20 (20)
	2,4-Dinitrotoluene	50	47.5	ug/L	95	2			70 (60)	130 (115)	20 (20)
	Diethylphthalate	50	45.4	ug/L	91	4			70 (63)	130 (105)	20 (20)
	4-Chlorophenyl-phenylether	50	45.9	ug/L	92	4			70 (61)	130 (104)	20 (20)
	Fluorene	50	44.9	ug/L	90	2			70 (64)	130 (107)	20 (20)
	4-Nitroaniline	50	47.3	ug/L	95	2			70 (55)	130 (125)	20 (20)
	4,6-Dinitro-2-methylphenol	50	49.3	ug/L	99	5			70 (62)	130 (132)	20 (20)
	N-Nitrosodiphenylamine	50	45.6	ug/L	91	4			70 (61)	130 (109)	20 (20)
	4-Bromophenyl-phenylether	50	46.8	ug/L	94	2			70 (73)	130 (103)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2073

Client: G Environmental

Analytical Method: 8270E **DataFile:** BP024756.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168098BSD	Hexachlorobenzene	50	46.7	ug/L	93	3			70 (73)	130 (106)	20 (20)
	Atrazine	50	48.4	ug/L	97	4			70 (76)	130 (120)	20 (20)
	Pentachlorophenol	100	110	ug/L	110	0			20 (47)	160 (114)	20 (20)
	Phenanthrene	50	44.0	ug/L	88	2			70 (62)	130 (109)	20 (20)
	Anthracene	50	45.1	ug/L	90	1			70 (65)	130 (110)	20 (20)
	Carbazole	50	46.6	ug/L	93	2			70 (62)	130 (106)	20 (20)
	Di-n-butylphthalate	50	47.2	ug/L	94	5			70 (64)	130 (106)	20 (20)
	Fluoranthene	50	45.8	ug/L	92	0			70 (64)	130 (110)	20 (20)
	Pyrene	50	45.6	ug/L	91	2			70 (71)	130 (103)	20 (20)
	Butylbenzylphthalate	50	48.5	ug/L	97	5			70 (61)	130 (105)	20 (20)
	3,3-Dichlorobenzidine	50	30.4	ug/L	61	3	*		70 (43)	130 (108)	20 (20)
	Benzo(a)anthracene	50	45.5	ug/L	91	4			70 (62)	130 (107)	20 (20)
	Chrysene	50	44.4	ug/L	89	1			70 (61)	130 (108)	20 (20)
	bis(2-Ethylhexyl)phthalate	50	49.1	ug/L	98	11			70 (59)	130 (110)	20 (20)
	Di-n-octyl phthalate	50	49.6	ug/L	99	7			70 (52)	130 (139)	20 (20)
	Benzo(b)fluoranthene	50	46.7	ug/L	93	6			70 (77)	130 (113)	20 (20)
	Benzo(k)fluoranthene	50	45.6	ug/L	91	4			70 (77)	130 (105)	20 (20)
	Benzo(a)pyrene	50	46.1	ug/L	92	3			70 (72)	130 (131)	20 (20)
	Indeno(1,2,3-cd)pyrene	50	44.8	ug/L	90	2			70 (72)	130 (105)	20 (20)
	Dibenz(a,h)anthracene	50	45.2	ug/L	90	2			70 (78)	130 (115)	20 (20)
	Benzo(g,h,i)perylene	50	43.9	ug/L	88	2			70 (75)	130 (118)	20 (20)
	1,2,4,5-Tetrachlorobenzene	50	45.3	ug/L	91	1			70 (72)	130 (101)	20 (20)
	1,4-Dioxane	50	30.9	ug/L	62	1			20 (38)	160 (125)	20 (20)
	2,3,4,6-Tetrachlorophenol	50	48.3	ug/L	97	6			70 (63)	130 (116)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168098BL

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2073 SAS No.: Q2073 SDG NO.: Q2073

Lab File ID: BP024754.D Lab Sample ID: PB168098BL

Instrument ID: BNA_P Date Extracted: 05/21/2025

Matrix: (soil/water) Water Date Analyzed: 05/22/2025

Level: (low/med) LOW Time Analyzed: 11:37

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168098BS	PB168098BS	BP024755.D	05/22/2025
PB168098BSD	PB168098BSD	BP024756.D	05/22/2025
GDW1	Q2073-01	BP024800.D	05/23/2025
GDW2	Q2073-02	BP024801.D	05/23/2025

COMMENTS:

Raw Data: **BP024613.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q2073 SDG NO.: Q2073

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

Instrument ID: BNA_P DFTPP Injection Time: 10:00

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.5
68	Less than 2.0% of mass 69	0.2 (0.6) 1
69	Mass 69 relative abundance	36.2
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	49.3
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	33.1
365	Greater than 1% of mass 198	5.4
441	Present, but less than mass 443	19.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP024614.D	05/13/2025	10:41
SSTDICC005	SSTDICC005	BP024615.D	05/13/2025	11:22
SSTDICC010	SSTDICC010	BP024616.D	05/13/2025	12:03
SSTDICC020	SSTDICC020	BP024617.D	05/13/2025	12:43
SSTDICCC040	SSTDICCC040	BP024618.D	05/13/2025	13:24
SSTDICC050	SSTDICC050	BP024619.D	05/13/2025	14:05
SSTDICC060	SSTDICC060	BP024620.D	05/13/2025	14:45
SSTDICC080	SSTDICC080	BP024621.D	05/13/2025	15:26

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q2073 SDG NO.: Q2073

Lab File ID: BP024752.D DFTPP Injection Date: 05/22/2025

Instrument ID: BNA_P DFTPP Injection Time: 09:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.1
68	Less than 2.0% of mass 69	0.3 (1.3) 1
69	Mass 69 relative abundance	32.0
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	46.0
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	7.0
275	10.0 - 60.0% of mass 198	33.7
365	Greater than 1% of mass 198	5.4
441	Present, but less than mass 443	22.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP024753.D	05/22/2025	10:56
PB168098BL	PB168098BL	BP024754.D	05/22/2025	11:37
PB168098BS	PB168098BS	BP024755.D	05/22/2025	12:18
PB168098BSD	PB168098BSD	BP024756.D	05/22/2025	12:58

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q2073 SDG NO.: Q2073

Lab File ID: BP024787.D DFTPP Injection Date: 05/23/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:59

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.8
68	Less than 2.0% of mass 69	0.1 (0.7) 1
69	Mass 69 relative abundance	30.6
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	45.2
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	6.9
275	10.0 - 60.0% of mass 198	33.8
365	Greater than 1% of mass 198	5.6
441	Present, but less than mass 443	23.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.8 (19.8) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP024788.D	05/23/2025	11:40
GDW1	Q2073-01	BP024800.D	05/23/2025	19:51
GDW2	Q2073-02	BP024801.D	05/23/2025	20:32

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2073 SAS No.: Q2073 SDG NO.: Q2073

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/22/2025

Lab File ID: BP024753.D Time Analyzed: 10:56

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	103714	7.652	424752	10.42	258861	14.28
	UPPER LIMIT	207428	8.152	849504	10.922	517722	14.781
	LOWER LIMIT	51857	7.152	212376	9.922	129431	13.781
	EPA SAMPLE NO.						
01	PB168098BL	115351	7.65	453620	10.42	285428	14.29
02	PB168098BS	114889	7.65	451979	10.42	283120	14.29
03	PB168098BSD	126327	7.65	523024	10.42	338733	14.29

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2073 SAS No.: Q2073 SDG NO.: Q2073

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/22/2025

Lab File ID: BP024753.D Time Analyzed: 10:56

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	515151	17.075	613668	21.516	759397	24.792
	UPPER LIMIT	1030300	17.575	1227340	22.016	1518790	25.292
	LOWER LIMIT	257576	16.575	306834	21.016	379699	24.292
	EPA SAMPLE NO.						
01	PB168098BL	613349	17.09	715536	21.52	855120	24.82
02	PB168098BS	568580	17.09	655197	21.52	754804	24.82
03	PB168098BSD	686645	17.09	768545	21.51	835982	24.79

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2073 SAS No.: Q2073 SDG NO.: Q2073

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/23/2025

Lab File ID: BP024788.D Time Analyzed: 11:40

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	85825	7.646	348651	10.42	223501	14.28
	UPPER LIMIT	171650	8.146	697302	10.916	447002	14.781
	LOWER LIMIT	42912.5	7.146	174326	9.916	111751	13.781
	EPA SAMPLE NO.						
01	GDW1	100868	7.65	399490	10.42	287857	14.28
02	GDW2	87294	7.65	334159	10.42	218481	14.29

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2073 SAS No.: Q2073 SDG NO.: Q2073

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/23/2025

Lab File ID: BP024788.D Time Analyzed: 11:40

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	457187	17.086	596427	21.51	763679	24.786
	UPPER LIMIT	914374	17.586	1192850	22.01	1527360	25.286
	LOWER LIMIT	228594	16.586	298214	21.01	381840	24.286
	EPA SAMPLE NO.						
01	GDW1	617303	17.08	728488	21.50	816767	24.80
02	GDW2	466964	17.09	546335	21.52	656670	24.81

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

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

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



SAMPLE DATA

Raw Data: **BP024800.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	05/16/25
Project:	Nelson	Date Received:	05/16/25
Client Sample ID:	GDW1	SDG No.:	Q2073
Lab Sample ID:	Q2073-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024800.D	1	05/21/25 08:40	05/23/25 19:51	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	U	4.00	10.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.83	U	0.83	5.10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.10	ug/L
98-86-2	Acetophenone	0.76	U	0.76	5.10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.60	ug/L
67-72-1	Hexachloroethane	0.66	U	0.66	5.10	ug/L
98-95-3	Nitrobenzene	0.78	U	0.78	5.10	ug/L
78-59-1	Isophorone	0.77	U	0.77	5.10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.69	U	0.69	5.10	ug/L
91-20-3	Naphthalene	0.51	U	0.51	5.10	ug/L
106-47-8	4-Chloroaniline	0.86	UQ	0.86	5.10	ug/L
87-68-3	Hexachlorobutadiene	0.55	U	0.55	5.10	ug/L
105-60-2	Caprolactam	1.20	U	1.20	10.2	ug/L
91-57-6	2-Methylnaphthalene	0.57	U	0.57	5.10	ug/L
77-47-4	Hexachlorocyclopentadiene	3.70	U	3.70	10.2	ug/L
92-52-4	1,1-Biphenyl	0.54	U	0.54	5.10	ug/L
91-58-7	2-Chloronaphthalene	0.62	U	0.62	5.10	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.10	ug/L
131-11-3	Dimethylphthalate	0.62	U	0.62	5.10	ug/L
208-96-8	Acenaphthylene	0.77	U	0.77	5.10	ug/L
606-20-2	2,6-Dinitrotoluene	0.94	U	0.94	5.10	ug/L
99-09-2	3-Nitroaniline	1.10	UQ	1.10	5.10	ug/L
83-32-9	Acenaphthene	0.56	U	0.56	5.10	ug/L
132-64-9	Dibenzofuran	0.62	U	0.62	5.10	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.10	ug/L
84-66-2	Diethylphthalate	0.70	U	0.70	5.10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.69	U	0.69	5.10	ug/L
86-73-7	Fluorene	0.64	U	0.64	5.10	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.10	ug/L

Raw Data: **BP024800.D**

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Report of Analysis

Client:	G Environmental			Date Collected:	05/16/25
Project:	Nelson			Date Received:	05/16/25
Client Sample ID:	GDW1			SDG No.:	Q2073
Lab Sample ID:	Q2073-01			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	980	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group2
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024800.D	1	05/21/25 08:40	05/23/25 19:51	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
86-30-6	n-Nitrosodiphenylamine	0.59	U	0.59	5.10	ug/L
101-55-3	4-Bromophenyl-phenylether	0.41	U	0.41	5.10	ug/L
118-74-1	Hexachlorobenzene	0.53	U	0.53	5.10	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.10	ug/L
85-01-8	Phenanthrene	0.51	U	0.51	5.10	ug/L
120-12-7	Anthracene	0.62	U	0.62	5.10	ug/L
86-74-8	Carbazole	0.73	U	0.73	5.10	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.10	ug/L
206-44-0	Fluoranthene	0.84	U	0.84	5.10	ug/L
129-00-0	Pyrene	0.51	U	0.51	5.10	ug/L
85-68-7	Butylbenzylphthalate	2.00	U	2.00	5.10	ug/L
91-94-1	3,3-Dichlorobenzidine	0.95	UQ	0.95	10.2	ug/L
56-55-3	Benzo(a)anthracene	0.46	U	0.46	5.10	ug/L
218-01-9	Chrysene	0.45	U	0.45	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.10	ug/L
117-84-0	Di-n-octyl phthalate	2.40	U	2.40	10.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.50	U	0.50	5.10	ug/L
207-08-9	Benzo(k)fluoranthene	0.49	U	0.49	5.10	ug/L
50-32-8	Benzo(a)pyrene	0.56	U	0.56	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.60	U	0.60	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.68	U	0.68	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	0.70	U	0.70	5.10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.53	U	0.53	5.10	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.10	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	63.3		30 (49) - 130 (133)	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.7		30 (52) - 130 (132)	64%	SPK: 100
1718-51-0	Terphenyl-d14	84.3		30 (48) - 130 (125)	84%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	101000	7.652			

Raw Data: **BP024800.D**

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Report of Analysis

Client:	G Environmental			Date Collected:	05/16/25
Project:	Nelson			Date Received:	05/16/25
Client Sample ID:	GDW1			SDG No.:	Q2073
Lab Sample ID:	Q2073-01			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	980	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group2
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024800.D	1	05/21/25 08:40	05/23/25 19:51	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1146-65-2	Naphthalene-d8	399000	10.416			
15067-26-2	Acenaphthene-d10	288000	14.281			
1517-22-2	Phenanthrene-d10	617000	17.081			
1719-03-5	Chrysene-d12	728000	21.504			
1520-96-3	Perylene-d12	817000	24.798			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.60	AB		4.82	ug/L
000119-61-9	Benzophenone	3.00	J		15.7	ug/L

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\BP052325\
Data File : BP024800.D
Acq On : 23 May 2025 19:51
Operator : RC/JU
Sample : Q2073-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GDW1

Quant Time: May 24 00:04:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

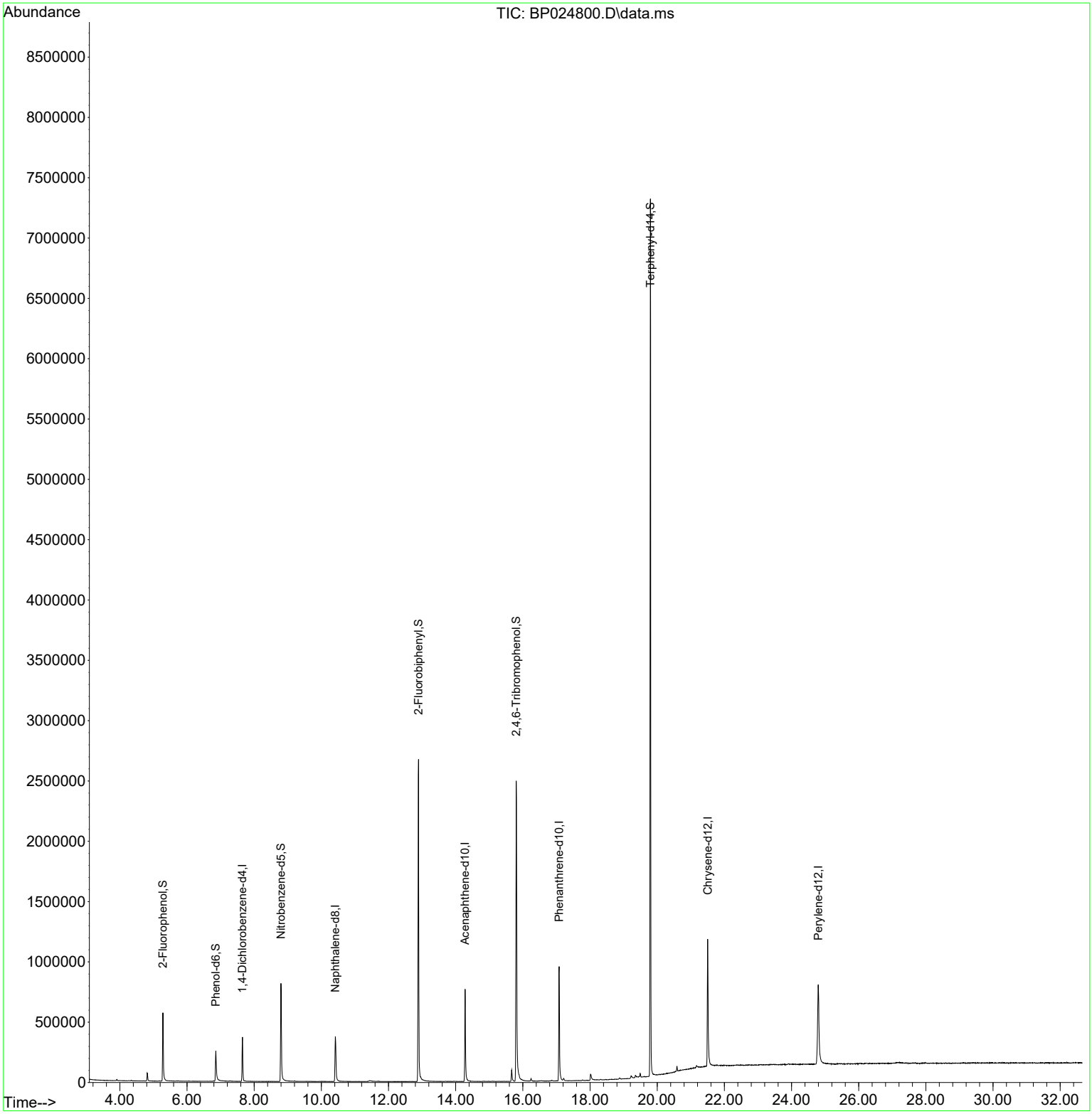
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.652	152	100868	20.000	ng	-0.01
21) Naphthalene-d8	10.416	136	399490	20.000	ng	-0.02
39) Acenaphthene-d10	14.281	164	287857	20.000	ng	-0.02
64) Phenanthrene-d10	17.081	188	617303	20.000	ng	-0.02
76) Chrysene-d12	21.504	240	728488	20.000	ng	-0.02
86) Perylene-d12	24.798	264	816767	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.281	112	280732	47.602	ng	0.00
7) Phenol-d6	6.858	99	193590	25.720	ng	0.00
23) Nitrobenzene-d5	8.799	82	500593	63.314	ng	-0.01
42) 2,4,6-Tribromophenol	15.804	330	731756	149.950	ng	0.00
45) 2-Fluorobiphenyl	12.893	172	1399903	63.714	ng	-0.01
79) Terphenyl-d14	19.798	244	3582745	84.330	ng	-0.01
Target Compounds						Qvalue

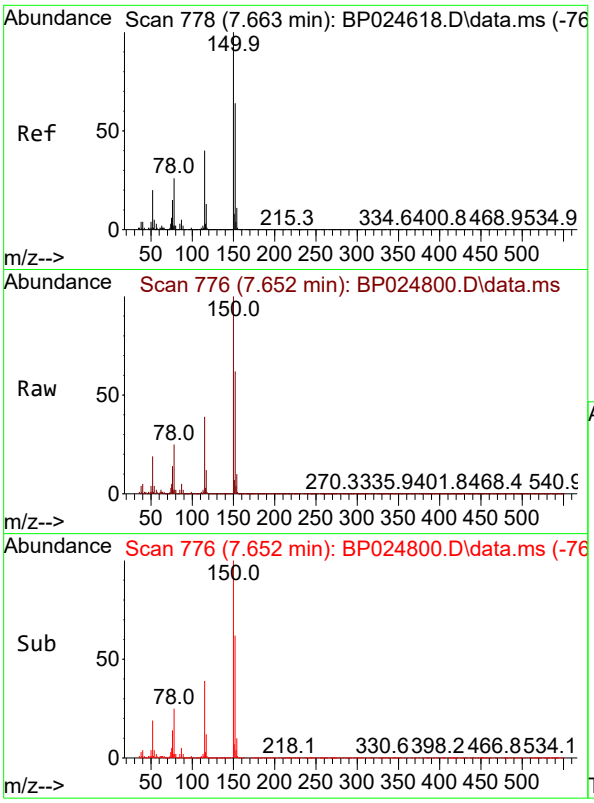
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024800.D
Acq On : 23 May 2025 19:51
Operator : RC/JU
Sample : Q2073-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GDW1

Quant Time: May 24 00:04:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



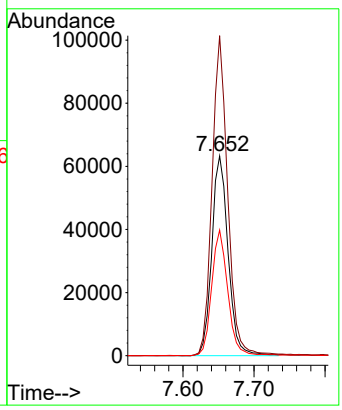


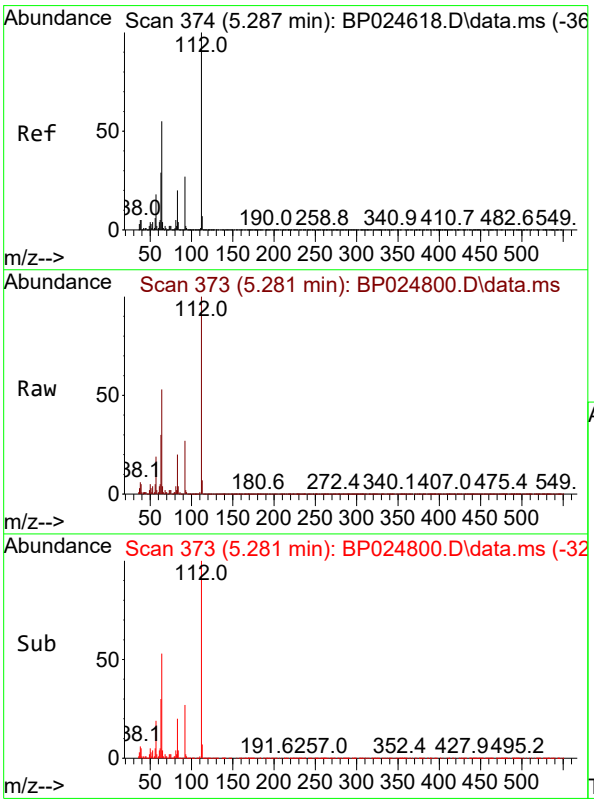
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.652 min Scan# 7
Delta R.T. -0.011 min
Lab File: BP024800.D
Acq: 23 May 2025 19:51

Instrument :
BNA_P
ClientSampleId :
GDW1

Tgt Ion:152 Resp: 100868

Ion	Ratio	Lower	Upper
152	100		
150	160.2	125.9	188.9
115	62.9	50.1	75.1

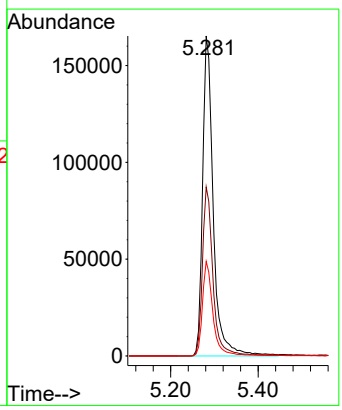


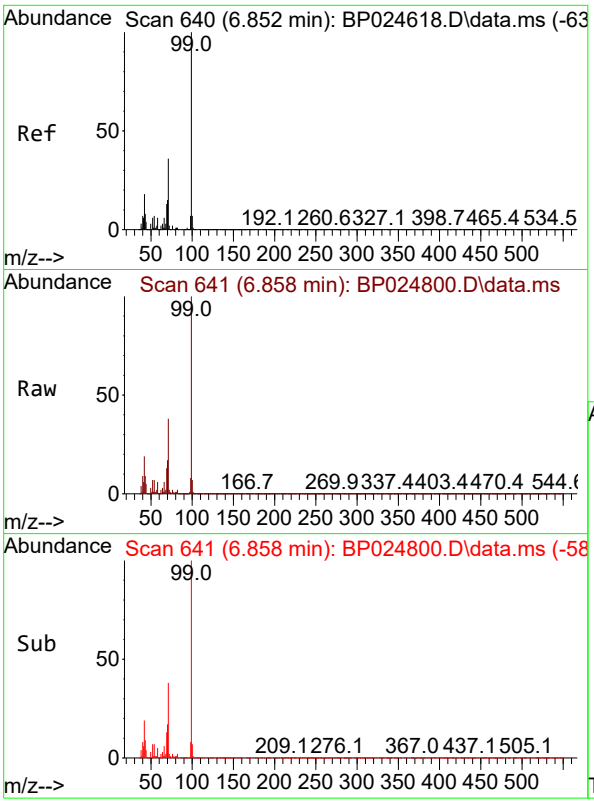


#5
2-Fluorophenol
Concen: 47.602 ng
RT: 5.281 min Scan# 373
Delta R.T. -0.006 min
Lab File: BP024800.D
Acq: 23 May 2025 19:51

Tgt Ion:112 Resp: 280732

Ion	Ratio	Lower	Upper
112	100		
64	52.8	44.1	66.1
63	29.5	23.5	35.3



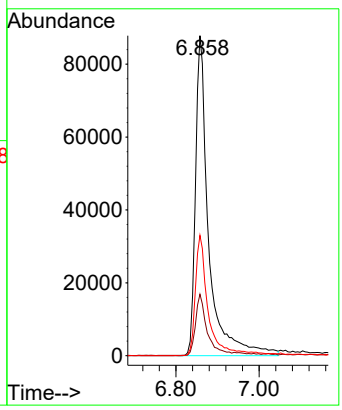


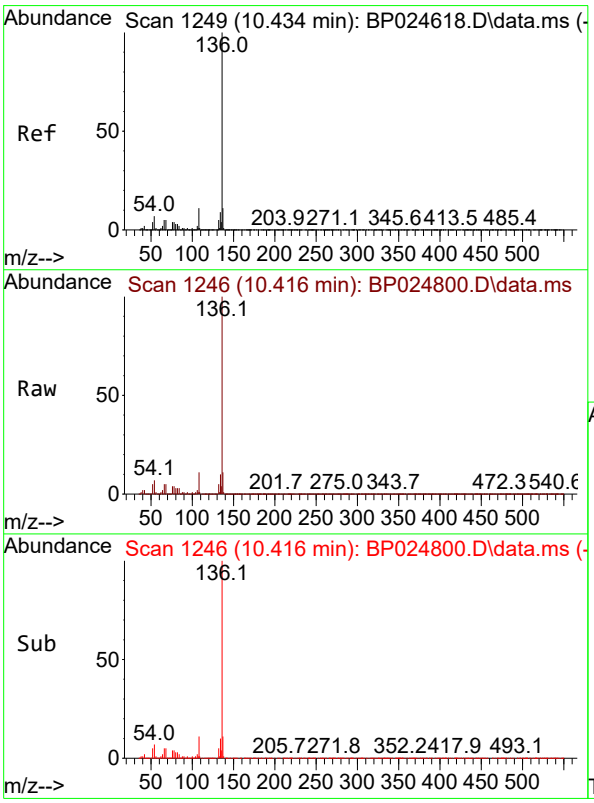
#7
Phenol-d6
Concen: 25.720 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024800.D
Acq: 23 May 2025 19:51

Instrument :
BNA_P
ClientSampleId :
GDW1

Tgt Ion: 99 Resp: 193590

Ion	Ratio	Lower	Upper
99	100		
42	19.2	14.4	21.6
71	37.6	29.2	43.8

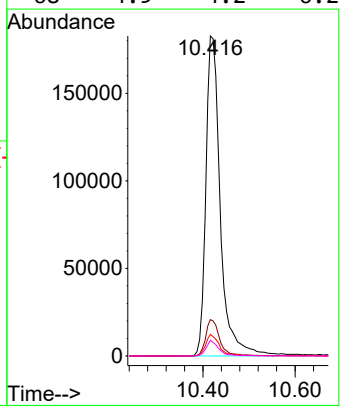


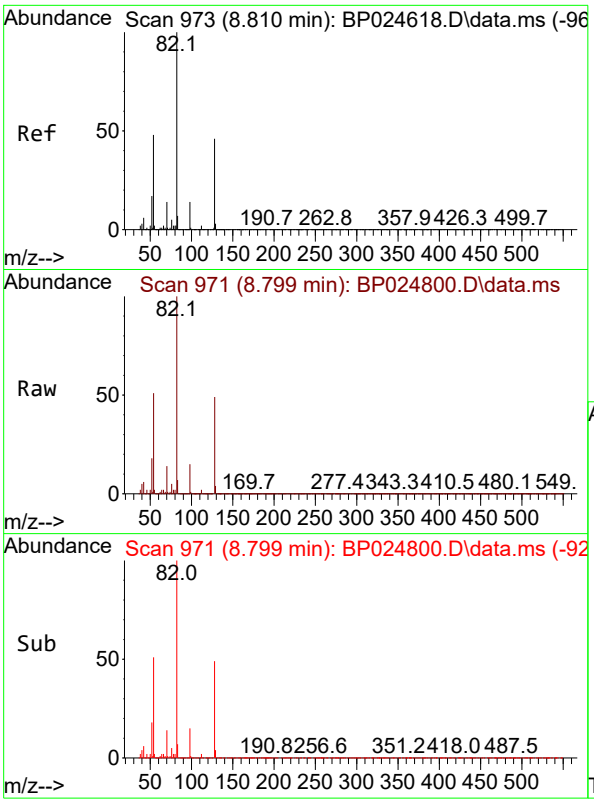


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.416 min Scan# 1246
Delta R.T. -0.018 min
Lab File: BP024800.D
Acq: 23 May 2025 19:51

Tgt Ion:136 Resp: 399490

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	6.8	5.5	8.3
68	4.9	4.2	6.2



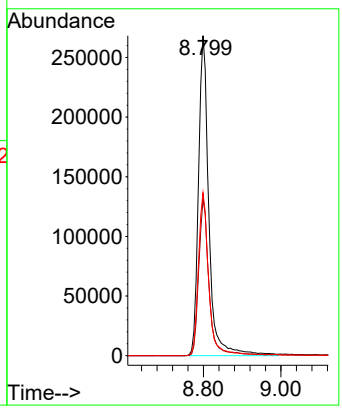


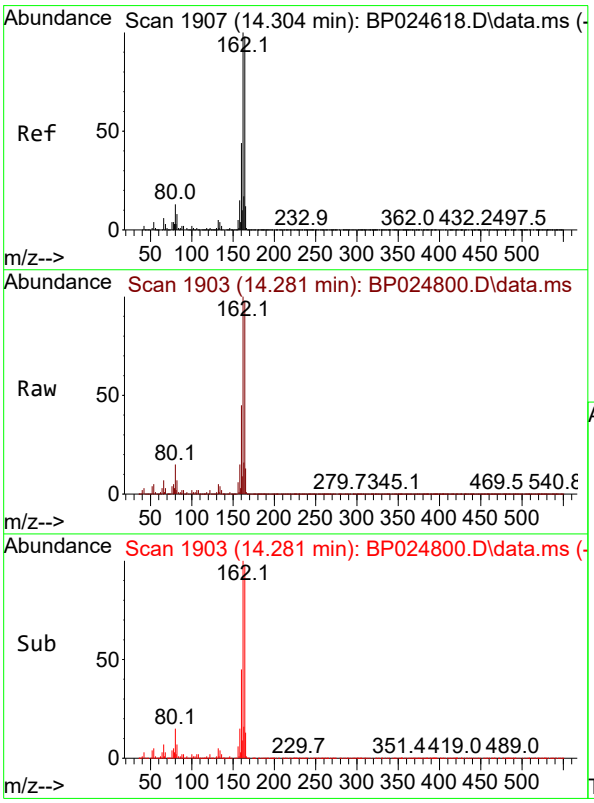
#23
Nitrobenzene-d5
Concen: 63.314 ng
RT: 8.799 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP024800.D
Acq: 23 May 2025 19:51

Instrument :
BNA_P
ClientSampleId :
GDW1

Tgt Ion: 82 Resp: 500593

Ion	Ratio	Lower	Upper
82	100		
128	49.1	37.0	55.4
54	51.0	38.7	58.1

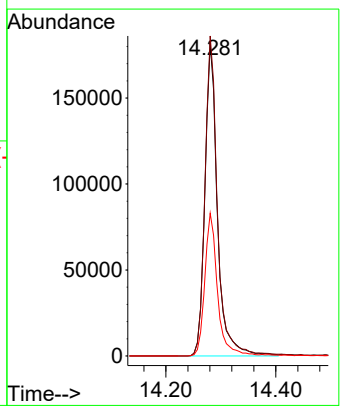


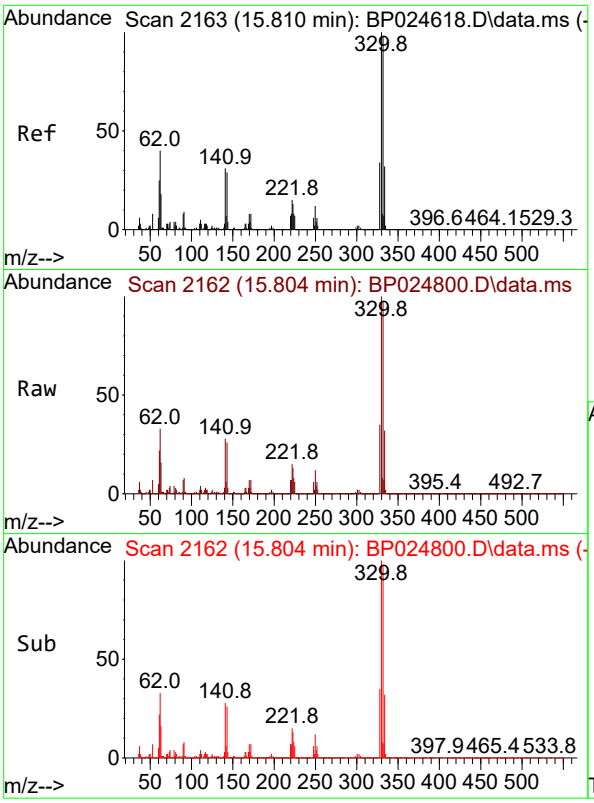


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.281 min Scan# 1903
Delta R.T. -0.024 min
Lab File: BP024800.D
Acq: 23 May 2025 19:51

Tgt Ion:164 Resp: 287857

Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.8	122.6
160	45.7	36.3	54.5



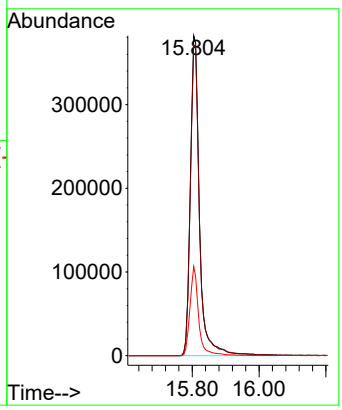


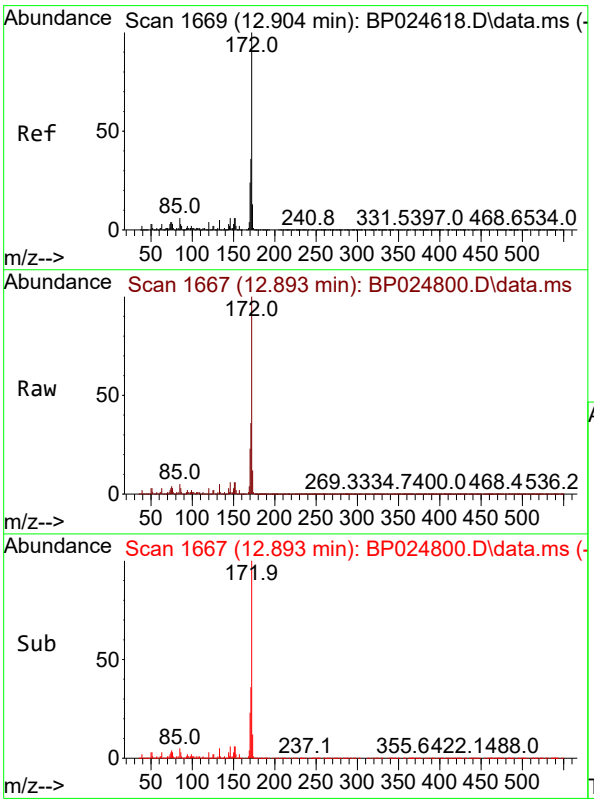
#42
2,4,6-Tribromophenol
Concen: 149.950 ng
RT: 15.804 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024800.D
Acq: 23 May 2025 19:51

Instrument :
BNA_P
ClientSampleId :
GDW1

Tgt Ion:330 Resp: 731756

Ion	Ratio	Lower	Upper
330	100		
332	97.3	78.2	117.4
141	26.3	24.3	36.5

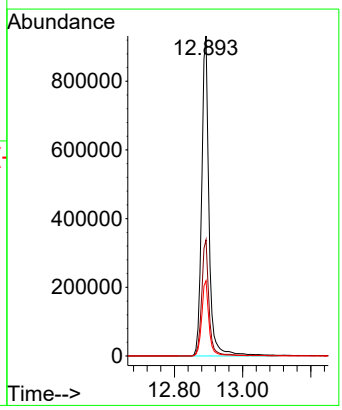


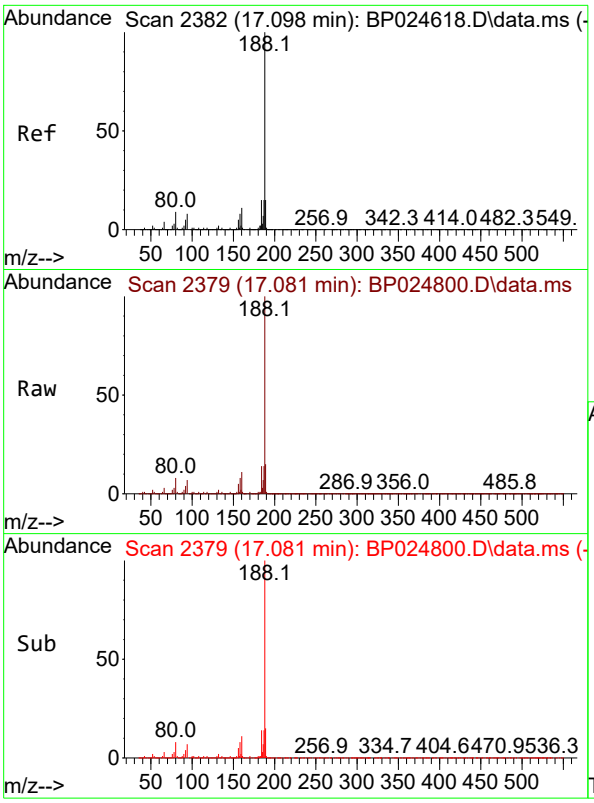


#45
2-Fluorobiphenyl
Concen: 63.714 ng
RT: 12.893 min Scan# 1667
Delta R.T. -0.012 min
Lab File: BP024800.D
Acq: 23 May 2025 19:51

Tgt Ion:172 Resp: 1399903

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.8	43.2
170	23.5	18.8	28.2



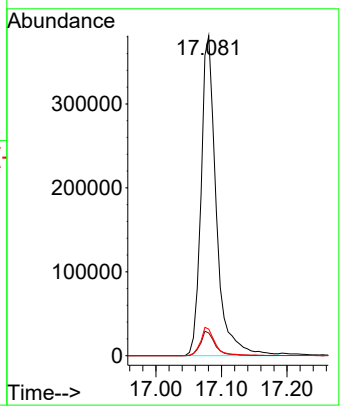


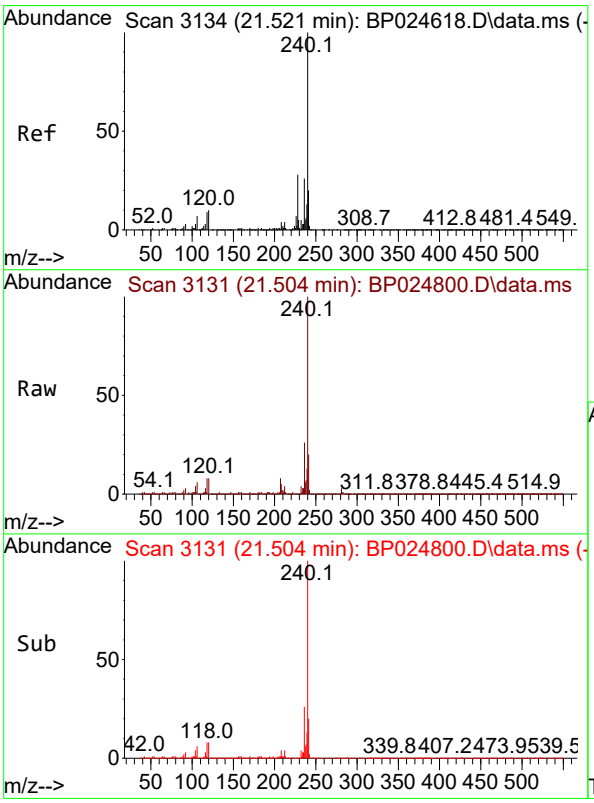
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.081 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024800.D
Acq: 23 May 2025 19:51

Instrument :
BNA_P
ClientSampleId :
GDW1

Tgt Ion:188 Resp: 617303

Ion	Ratio	Lower	Upper
188	100		
94	7.1	6.5	9.7
80	8.3	7.3	10.9

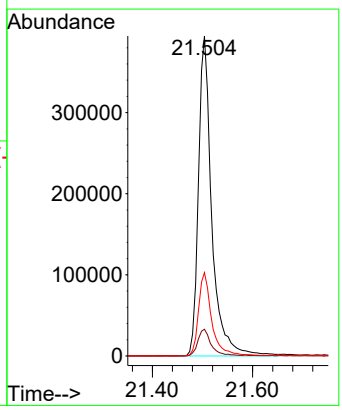


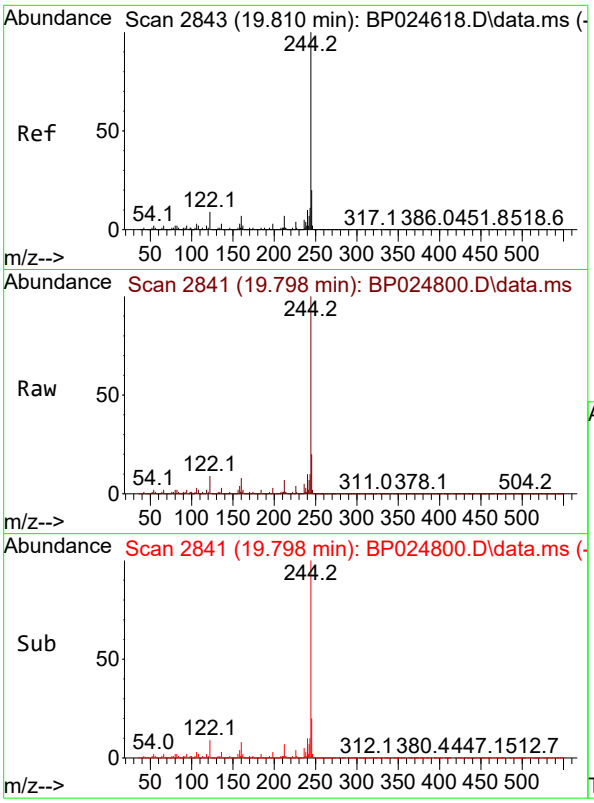


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.504 min Scan# 3131
Delta R.T. -0.018 min
Lab File: BP024800.D
Acq: 23 May 2025 19:51

Tgt Ion:240 Resp: 728488

Ion	Ratio	Lower	Upper
240	100		
120	8.4	7.8	11.6
236	26.0	20.6	31.0



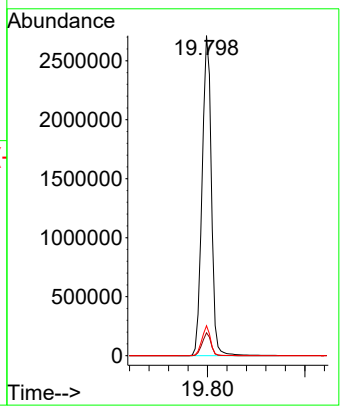


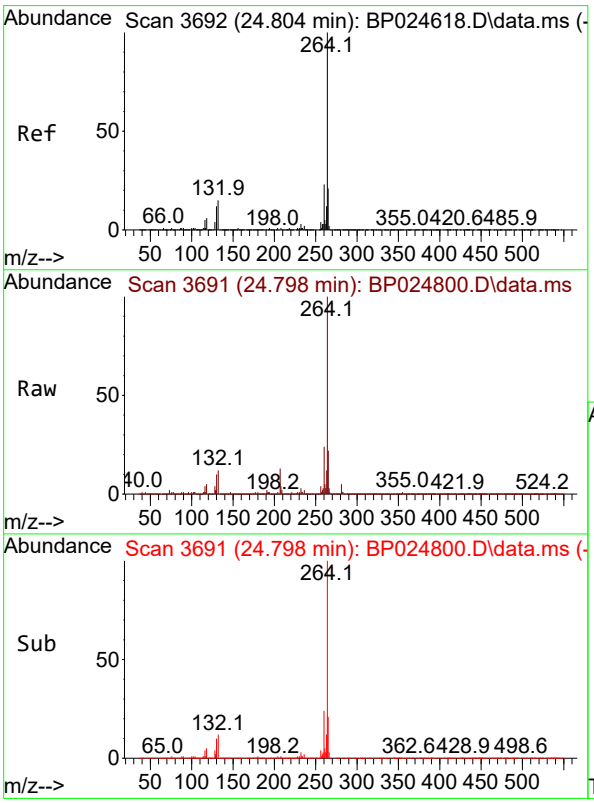
#79
Terphenyl-d14
Concen: 84.330 ng
RT: 19.798 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024800.D
Acq: 23 May 2025 19:51

Instrument :
BNA_P
ClientSampleId :
GDW1

Tgt Ion:244 Resp: 3582745

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

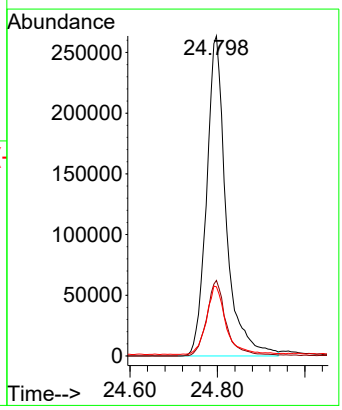




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.798 min Scan# 3691
Delta R.T. -0.006 min
Lab File: BP024800.D
Acq: 23 May 2025 19:51

Tgt Ion:264 Resp: 816767

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	21.6	17.0	25.6



Sample Results: **BP024800.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024800.D
Acq On : 23 May 2025 19:51
Operator : RC/JU
Sample : Q2073-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GDW1

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

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

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

Signal : TIC: BP024800.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.816	288	294	303	rBV	66235	103091	1.09%	0.349%
2	5.281	367	373	398	rBV	566093	955910	10.10%	3.232%
3	6.858	634	641	657	rBV	251459	525729	5.55%	1.777%
4	7.652	768	776	786	rBV	366882	576746	6.09%	1.950%
5	8.799	963	971	996	rBV	812881	1521256	16.07%	5.143%
6	10.416	1239	1246	1267	rBV	372162	802538	8.48%	2.713%
7	12.893	1659	1667	1688	rBV	2670329	4026529	42.53%	13.613%
8	14.281	1896	1903	1917	rBV	765372	1217830	12.86%	4.117%
9	15.669	2133	2139	2153	rBV	95683	176516	1.86%	0.597%
10	15.804	2153	2162	2187	rBV	2489939	4641763	49.03%	15.692%
11	17.081	2372	2379	2396	rBV	947811	1548818	16.36%	5.236%
12	18.016	2534	2538	2549	rBV3	50553	126247	1.33%	0.427%
13	19.798	2835	2841	2854	rBV	7273808	9468044	100.00%	32.009%
14	21.504	3125	3131	3144	rBV	1052322	1917597	20.25%	6.483%
15	24.798	3681	3691	3715	rVB	651214	1970973	20.82%	6.663%

Sum of corrected areas: 29579587

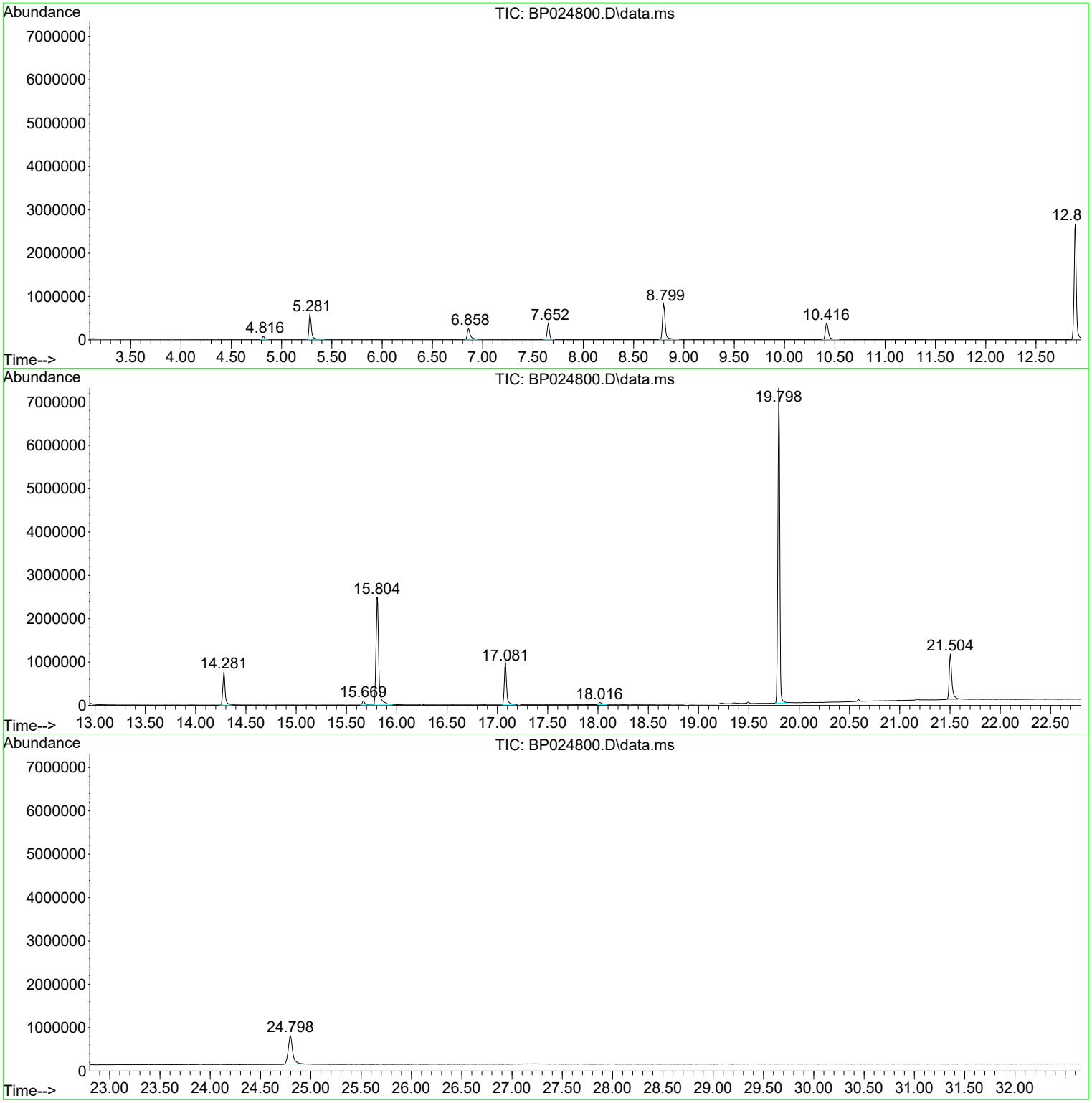
Sample Results: **BP024800.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024800.D
Acq On : 23 May 2025 19:51
Operator : RC/JU
Sample : Q2073-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GDW1

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

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024800.D
Acq On : 23 May 2025 19:51
Operator : RC/JU
Sample : Q2073-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GDW1

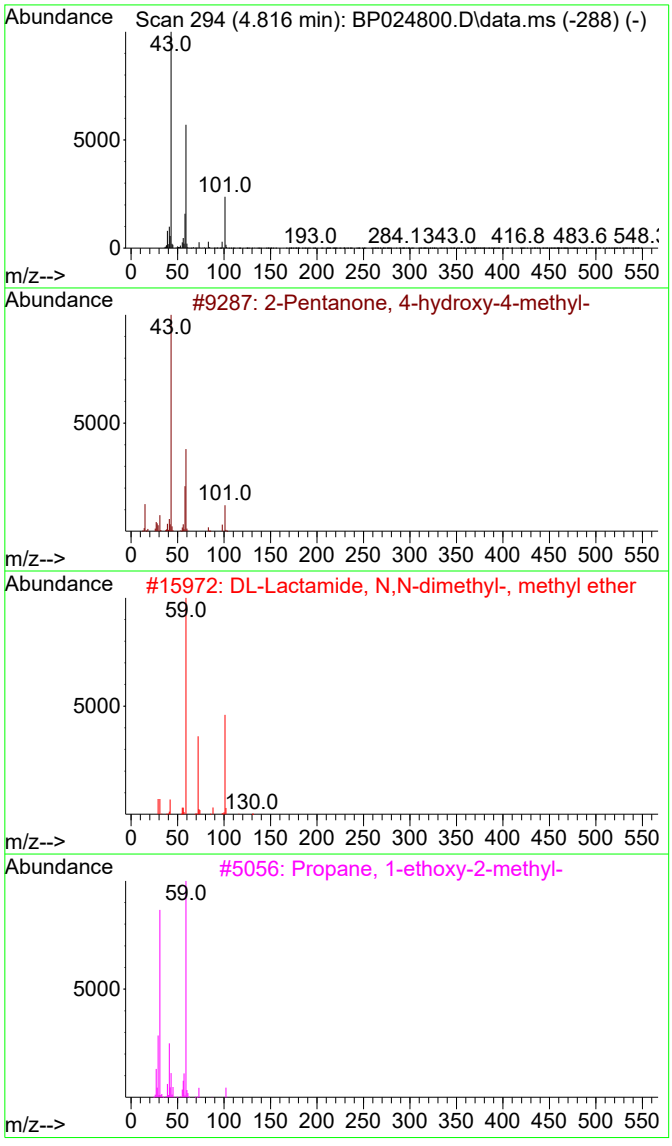
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

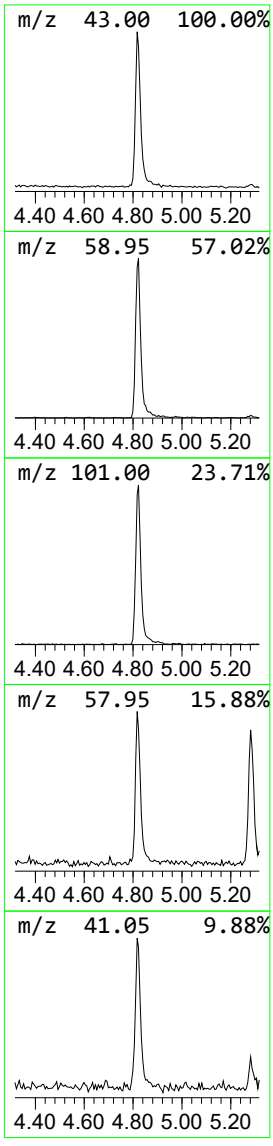
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.816	3.57 ng	103091	1,4-Dichlorobenzene-d4	7.652

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	DL-Lactamide, N,N-dimethyl-, met...	131	C6H13NO2	1000452-57-0	33
3	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	32
4	Tetraglyme	222	C10H22O5	000143-24-8	25
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024800.D
Acq On : 23 May 2025 19:51
Operator : RC/JU
Sample : Q2073-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GDW1

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

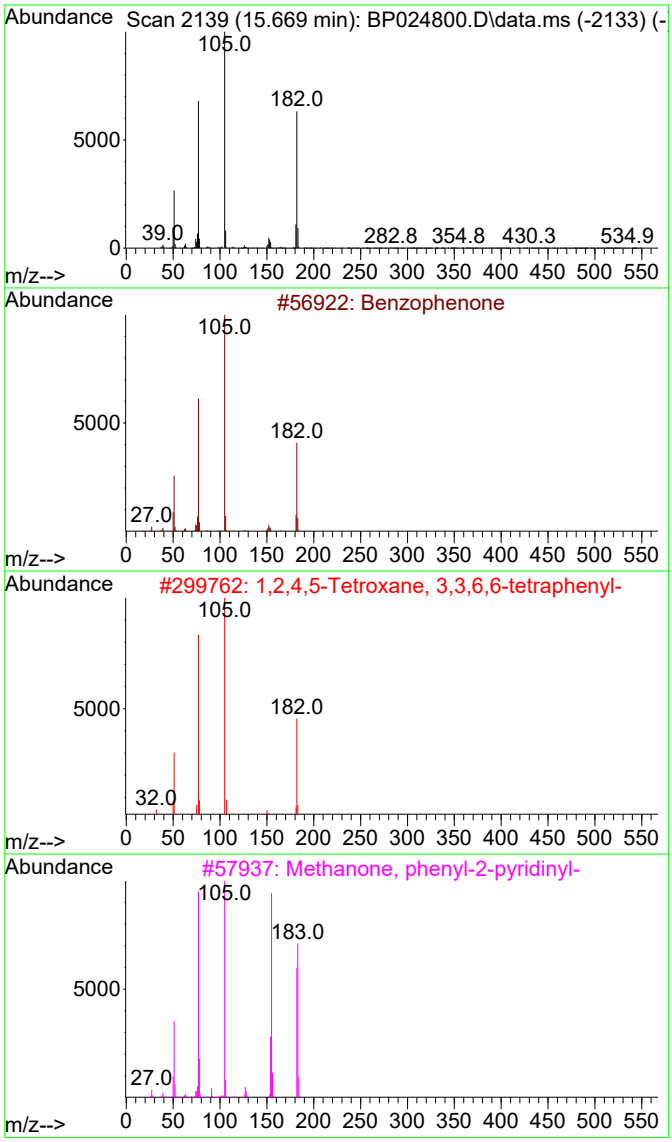
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

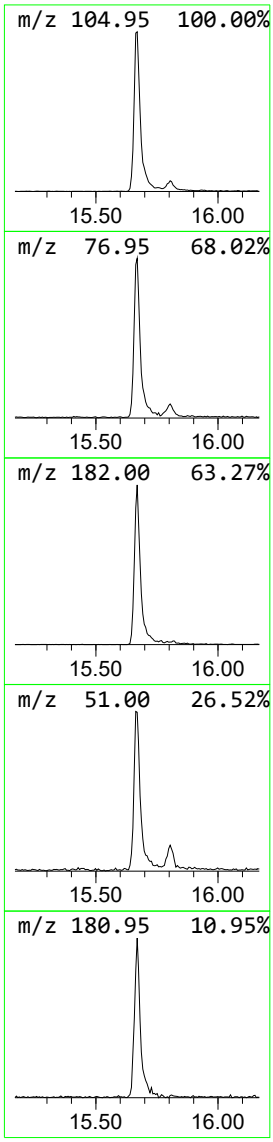
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Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.669	2.90 ng	176516	Acenaphthene-d10	14.281

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	50
4	Isovanillic acid, O-methoxycarbo...	226	C10H10O6	1000487-72-5	43
5	Azobenzene	182	C12H10N2	000103-33-3	43





Sample Results: **BP024800.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024800.D
Acq On : 23 May 2025 19:51
Operator : RC/JU
Sample : Q2073-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GDW1

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	4.816	3.6	ng	103091	1	7.652	576746	20.0
Benzophenone	15.669	2.9	ng	176516	3	14.281	1217830	20.0

Raw Data: **BP024801.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	05/16/25
Project:	Nelson	Date Received:	05/16/25
Client Sample ID:	GDW2	SDG No.:	Q2073
Lab Sample ID:	Q2073-02	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024801.D	1	05/21/25 08:40	05/23/25 20:32	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	U	4.00	10.3	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.84	U	0.84	5.20	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.20	ug/L
98-86-2	Acetophenone	0.76	U	0.76	5.20	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.60	ug/L
67-72-1	Hexachloroethane	0.67	U	0.67	5.20	ug/L
98-95-3	Nitrobenzene	0.78	U	0.78	5.20	ug/L
78-59-1	Isophorone	0.77	U	0.77	5.20	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.70	U	0.70	5.20	ug/L
91-20-3	Naphthalene	0.52	U	0.52	5.20	ug/L
106-47-8	4-Chloroaniline	0.87	UQ	0.87	5.20	ug/L
87-68-3	Hexachlorobutadiene	0.56	U	0.56	5.20	ug/L
105-60-2	Caprolactam	5.80	J	1.20	10.3	ug/L
91-57-6	2-Methylnaphthalene	0.58	U	0.58	5.20	ug/L
77-47-4	Hexachlorocyclopentadiene	3.70	U	3.70	10.3	ug/L
92-52-4	1,1-Biphenyl	0.55	U	0.55	5.20	ug/L
91-58-7	2-Chloronaphthalene	0.63	U	0.63	5.20	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.20	ug/L
131-11-3	Dimethylphthalate	0.63	U	0.63	5.20	ug/L
208-96-8	Acenaphthylene	0.77	U	0.77	5.20	ug/L
606-20-2	2,6-Dinitrotoluene	0.95	U	0.95	5.20	ug/L
99-09-2	3-Nitroaniline	1.10	UQ	1.10	5.20	ug/L
83-32-9	Acenaphthene	0.57	U	0.57	5.20	ug/L
132-64-9	Dibenzofuran	0.63	U	0.63	5.20	ug/L
121-14-2	2,4-Dinitrotoluene	1.30	U	1.30	5.20	ug/L
84-66-2	Diethylphthalate	0.71	U	0.71	5.20	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.70	U	0.70	5.20	ug/L
86-73-7	Fluorene	0.65	U	0.65	5.20	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.20	ug/L

Raw Data: **BP024801.D**

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

Report of Analysis

Client:	G Environmental			Date Collected:	05/16/25
Project:	Nelson			Date Received:	05/16/25
Client Sample ID:	GDW2			SDG No.:	Q2073
Lab Sample ID:	Q2073-02			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	970	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group2
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024801.D	1	05/21/25 08:40	05/23/25 20:32	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
86-30-6	n-Nitrosodiphenylamine	0.60	U	0.60	5.20	ug/L
101-55-3	4-Bromophenyl-phenylether	0.41	U	0.41	5.20	ug/L
118-74-1	Hexachlorobenzene	0.54	U	0.54	5.20	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.20	ug/L
85-01-8	Phenanthrene	0.52	U	0.52	5.20	ug/L
120-12-7	Anthracene	0.63	U	0.63	5.20	ug/L
86-74-8	Carbazole	0.74	U	0.74	5.20	ug/L
84-74-2	Di-n-butylphthalate	1.30	U	1.30	5.20	ug/L
206-44-0	Fluoranthene	0.85	U	0.85	5.20	ug/L
129-00-0	Pyrene	0.52	U	0.52	5.20	ug/L
85-68-7	Butylbenzylphthalate	2.00	U	2.00	5.20	ug/L
91-94-1	3,3-Dichlorobenzidine	0.96	UQ	0.96	10.3	ug/L
56-55-3	Benzo(a)anthracene	0.46	U	0.46	5.20	ug/L
218-01-9	Chrysene	0.45	U	0.45	5.20	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.20	ug/L
117-84-0	Di-n-octyl phthalate	2.40	U	2.40	10.3	ug/L
205-99-2	Benzo(b)fluoranthene	0.51	U	0.51	5.20	ug/L
207-08-9	Benzo(k)fluoranthene	0.49	U	0.49	5.20	ug/L
50-32-8	Benzo(a)pyrene	0.57	U	0.57	5.20	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.61	U	0.61	5.20	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.69	U	0.69	5.20	ug/L
191-24-2	Benzo(g,h,i)perylene	0.71	U	0.71	5.20	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.54	U	0.54	5.20	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.20	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	68.2		30 (49) - 130 (133)	68%	SPK: 100
321-60-8	2-Fluorobiphenyl	67.7		30 (52) - 130 (132)	68%	SPK: 100
1718-51-0	Terphenyl-d14	78.0		30 (48) - 130 (125)	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	87300	7.652			

Raw Data: **BP024801.D**

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

Report of Analysis

Client:	G Environmental			Date Collected:	05/16/25
Project:	Nelson			Date Received:	05/16/25
Client Sample ID:	GDW2			SDG No.:	Q2073
Lab Sample ID:	Q2073-02			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	970	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group2
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024801.D	1	05/21/25 08:40	05/23/25 20:32	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1146-65-2	Naphthalene-d8	334000	10.416			
15067-26-2	Acenaphthene-d10	218000	14.287			
1517-22-2	Phenanthrene-d10	467000	17.092			
1719-03-5	Chrysene-d12	546000	21.522			
1520-96-3	Perylene-d12	657000	24.81			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.10	AB		4.82	ug/L
000119-61-9	Benzophenone	3.70	J		15.7	ug/L

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

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

Sample Results: **BP024801.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024801.D
Acq On : 23 May 2025 20:32
Operator : RC/JU
Sample : Q2073-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GDW2

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/27/2025
Supervised By :Jagrut Upadhyay 05/27/2025

Quant Time: May 24 00:04:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.652	152	87294	20.000	ng	-0.01
21) Naphthalene-d8	10.416	136	334159	20.000	ng	-0.02
39) Acenaphthene-d10	14.287	164	218481	20.000	ng	-0.02
64) Phenanthrene-d10	17.092	188	466964	20.000	ng	0.00
76) Chrysene-d12	21.522	240	546335	20.000	ng	0.00
86) Perylene-d12	24.810	264	656670	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	264667	51.857	ng	0.00
7) Phenol-d6	6.864	99	176066	27.029	ng	0.01
23) Nitrobenzene-d5	8.799	82	451240	68.230	ng	-0.01
42) 2,4,6-Tribromophenol	15.804	330	524322	141.560	ng	0.00
45) 2-Fluorobiphenyl	12.887	172	1129754	67.746	ng	-0.02
79) Terphenyl-d14	19.816	244	2486402	78.037	ng	0.00
Target Compounds						Qvalue
35) Caprolactam	11.410	113	9982m	5.662	ng	

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

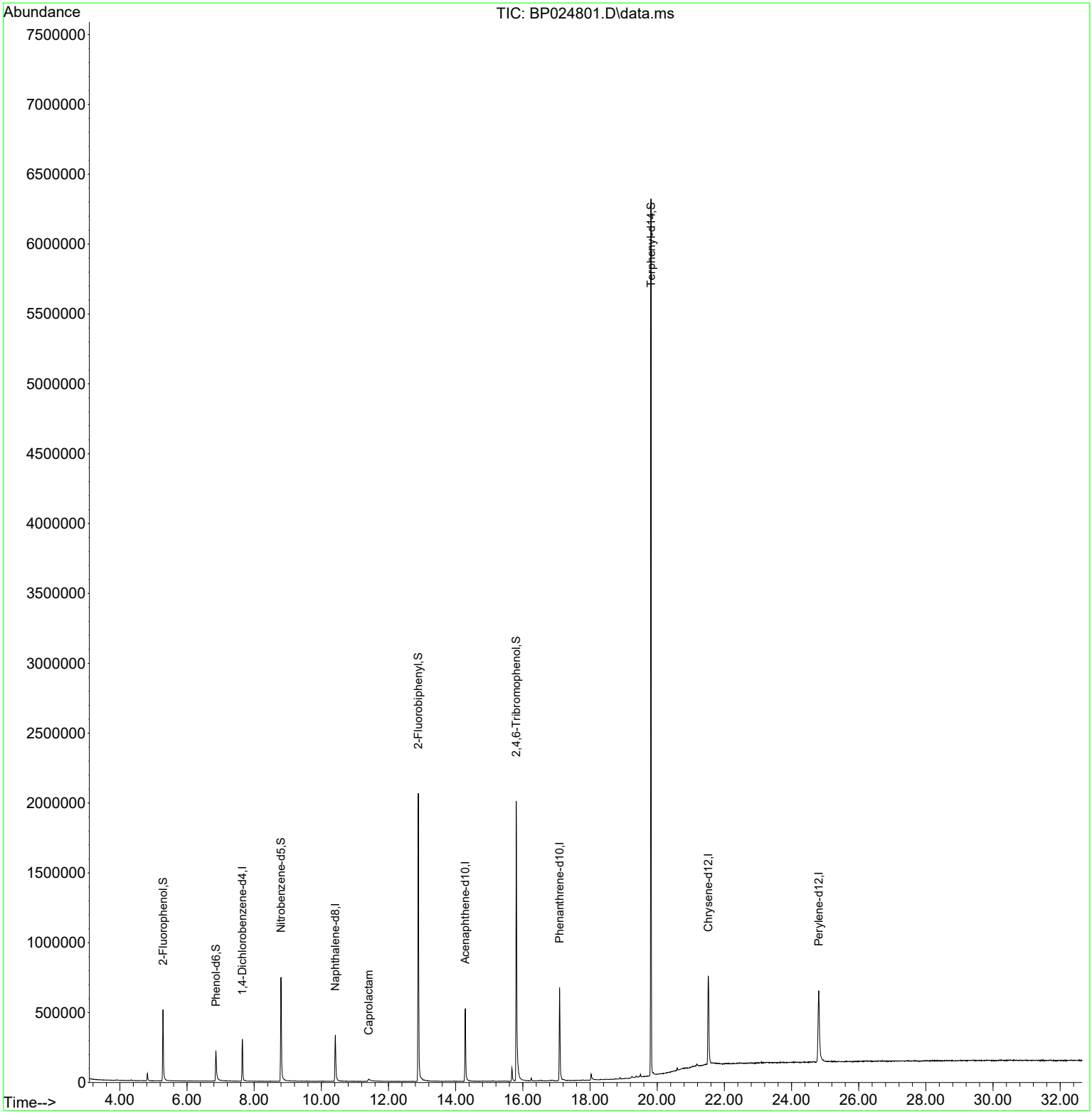
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Data File : BP024801.D
Acq On : 23 May 2025 20:32
Operator : RC/JU
Sample : Q2073-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

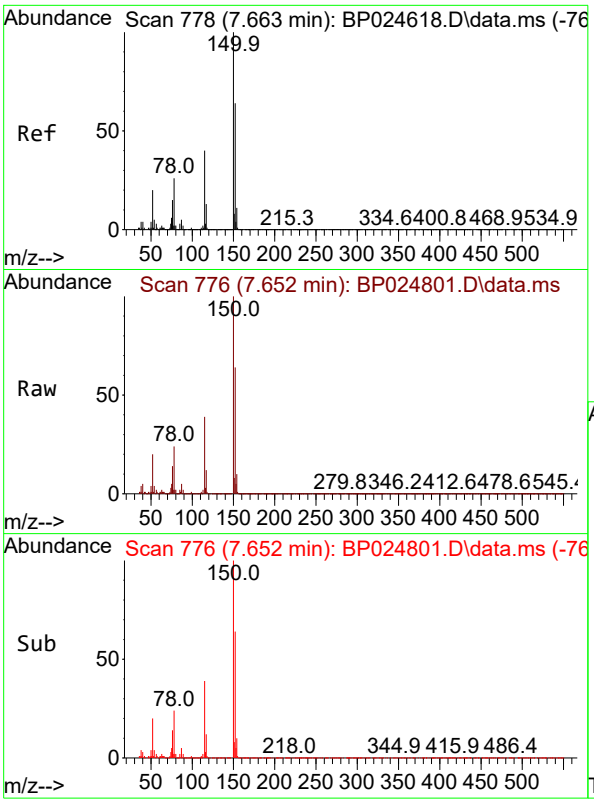
Quant Time: May 24 00:04:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
GDW2

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/27/2025
Supervised By :Jagrut Upadhyay 05/27/2025

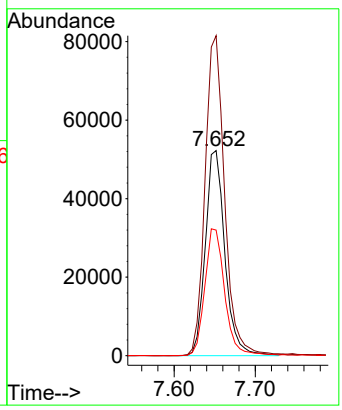




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.652 min Scan# 7
Delta R.T. -0.011 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

Tgt Ion:152 Resp: 8729

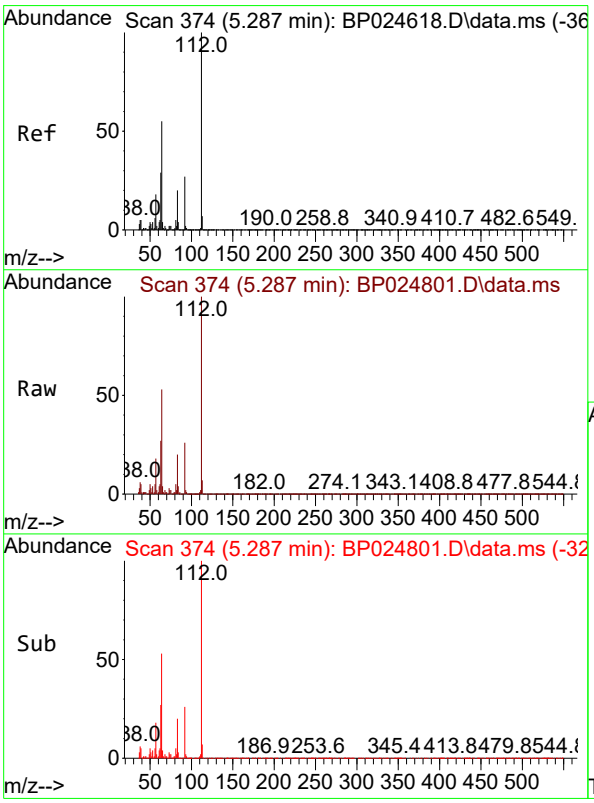
Ion	Ratio	Lower	Upper
152	100		
150	156.0	125.9	188.9
115	61.2	50.1	75.1



Instrument :
BNA_P
ClientSampleId :
GDW2

Manual Integrations
APPROVED

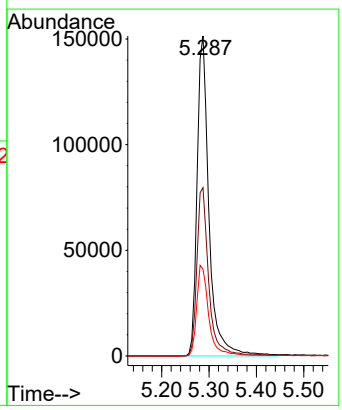
Reviewed By :Rahul Chavli 05/27/2025
Supervised By :Jagrut Upadhyay 05/27/2025

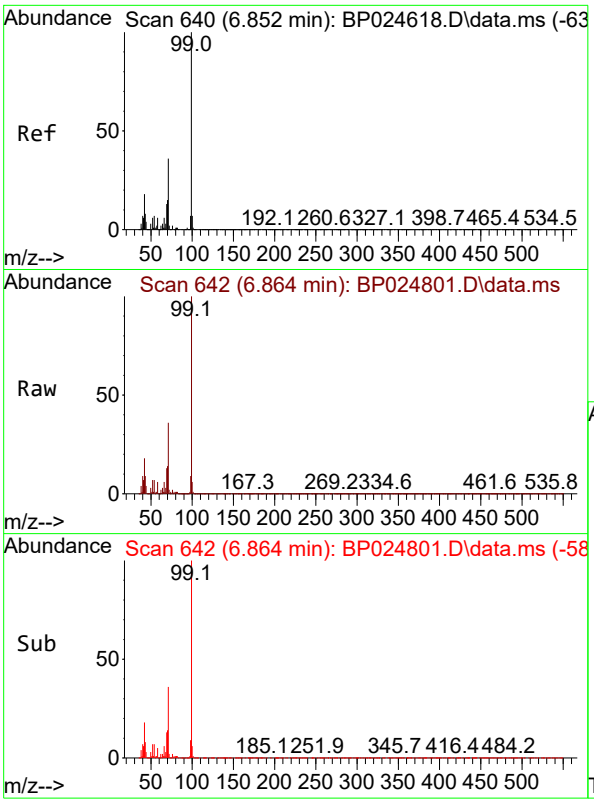


#5
2-Fluorophenol
Concen: 51.857 ng
RT: 5.287 min Scan# 374
Delta R.T. 0.000 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

Tgt Ion:112 Resp: 264667

Ion	Ratio	Lower	Upper
112	100		
64	52.6	44.1	66.1
63	27.2	23.5	35.3

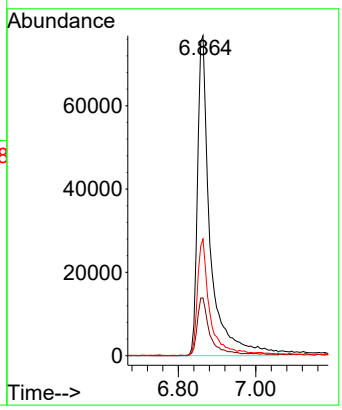




#7
Phenol-d6
Concen: 27.029 ng
RT: 6.864 min Scan# 64
Delta R.T. 0.012 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

Tgt Ion: 99 Resp: 17606

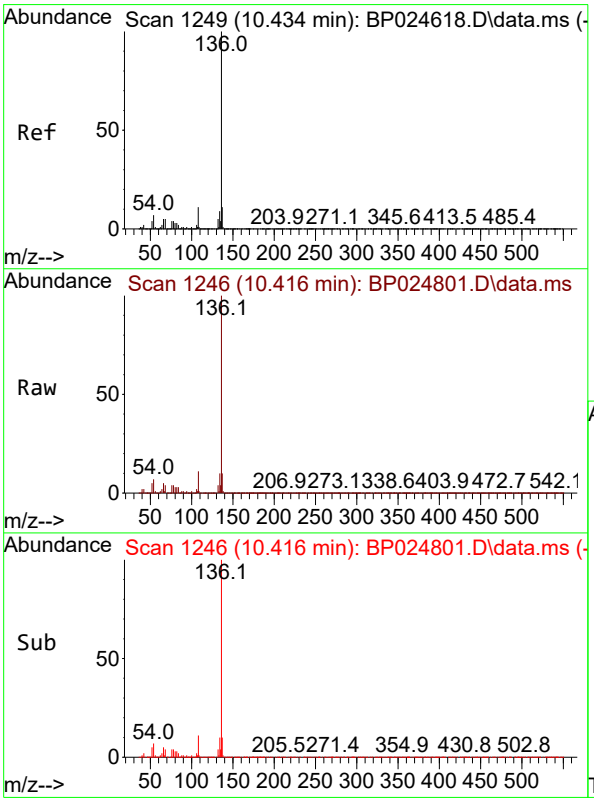
Ion	Ratio	Lower	Upper
99	100		
42	18.1	14.4	21.6
71	36.4	29.2	43.8



Instrument :
BNA_P
ClientSampleId :
GDW2

Manual Integrations
APPROVED

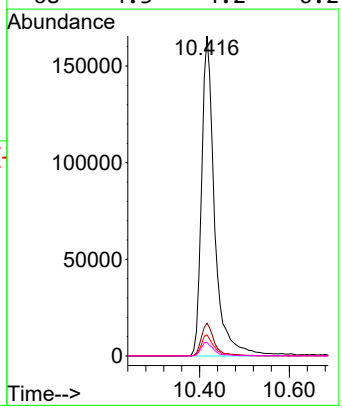
Reviewed By :Rahul Chavli 05/27/2025
Supervised By :Jagrut Upadhyay 05/27/2025

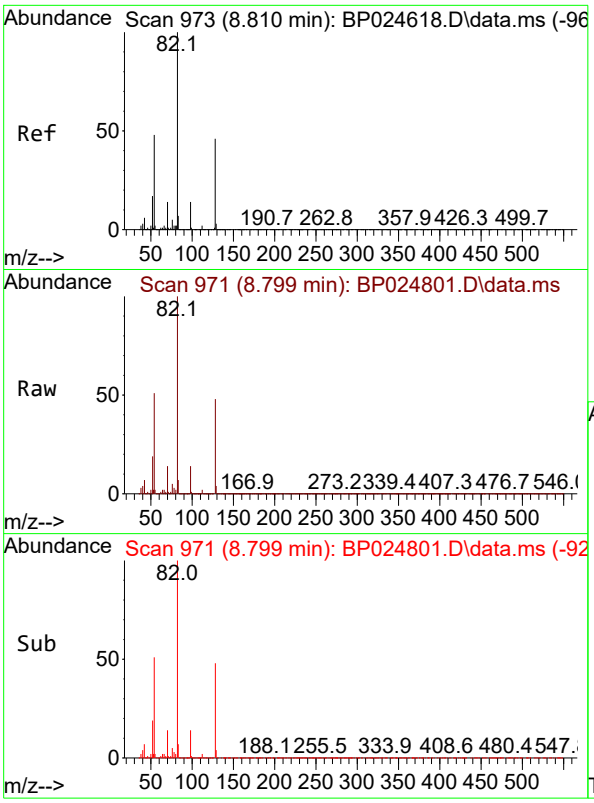


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.416 min Scan# 1246
Delta R.T. -0.018 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

Tgt Ion:136 Resp: 334159

Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.8	13.2
54	6.6	5.5	8.3
68	4.3	4.2	6.2

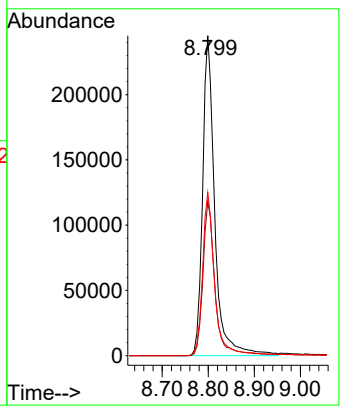




#23
Nitrobenzene-d5
Concen: 68.230 ng
RT: 8.799 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

Tgt Ion: 82 Resp: 45124

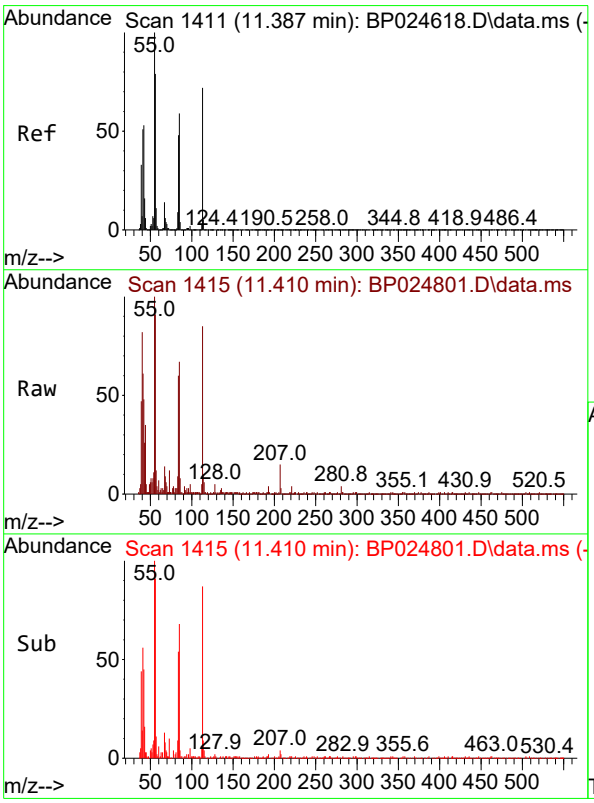
Ion	Ratio	Lower	Upper
82	100		
128	48.2	37.0	55.4
54	51.0	38.7	58.1



Instrument :
BNA_P
ClientSampleId :
GDW2

Manual Integrations
APPROVED

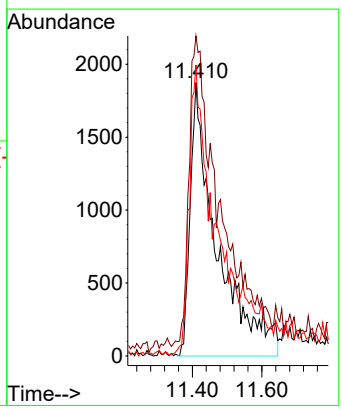
Reviewed By :Rahul Chavli 05/27/2025
Supervised By :Jagrut Upadhyay 05/27/2025

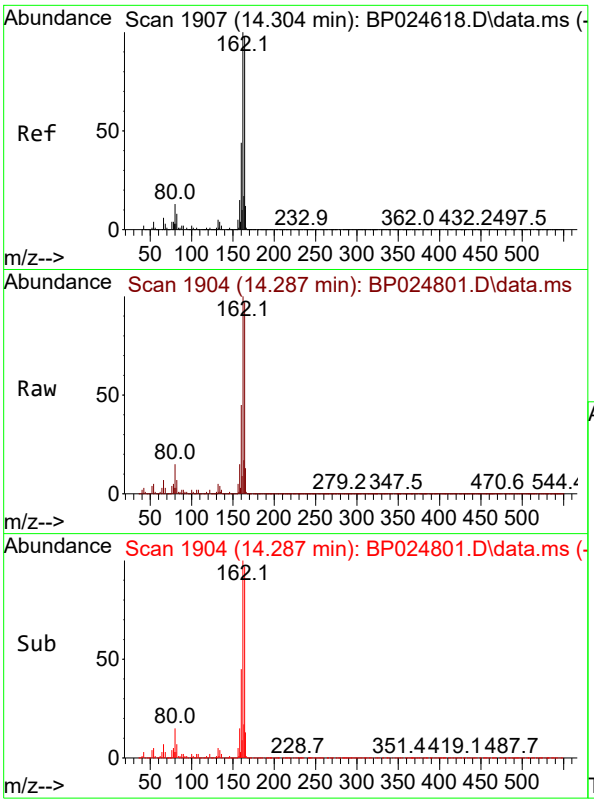


#35
Caprolactam
Concen: 5.662 ng m
RT: 11.410 min Scan# 1415
Delta R.T. 0.024 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

Tgt Ion:113 Resp: 9982

Ion	Ratio	Lower	Upper
113	100		
55	117.1	119.0	159.0#
56	106.5	90.3	130.3

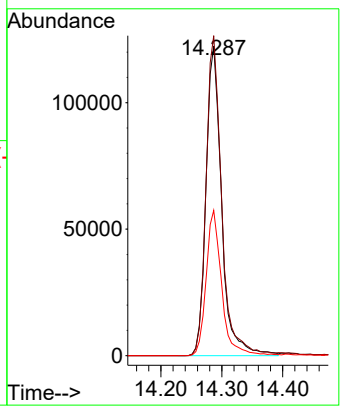




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.287 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

Tgt Ion:164 Resp: 21848

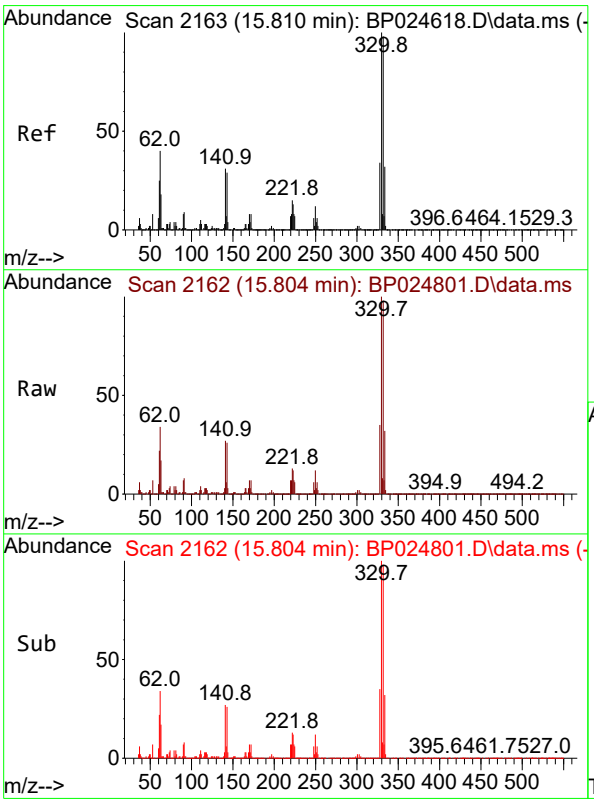
Ion	Ratio	Lower	Upper
164	100		
162	103.3	81.8	122.6
160	46.9	36.3	54.5



Instrument :
BNA_P
ClientSampleId :
GDW2

Manual Integrations
APPROVED

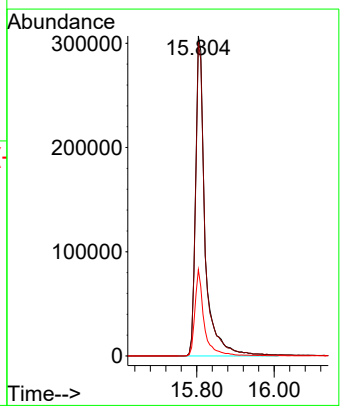
Reviewed By :Rahul Chavli 05/27/2025
Supervised By :Jagrut Upadhyay 05/27/2025

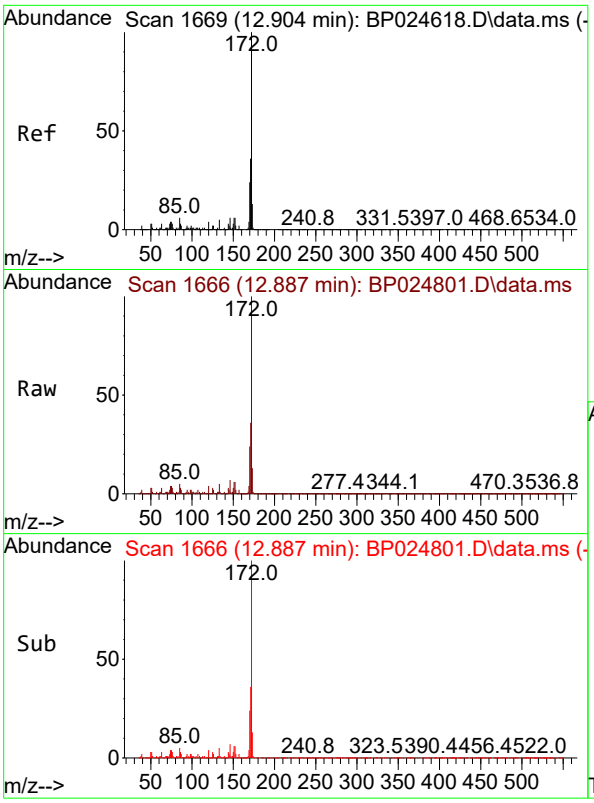


#42
2,4,6-Tribromophenol
Concen: 141.560 ng
RT: 15.804 min Scan# 2162
Delta R.T. -0.006 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

Tgt Ion:330 Resp: 524322

Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.2	117.4
141	26.1	24.3	36.5

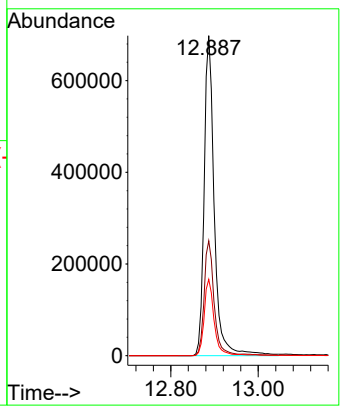




#45
2-Fluorobiphenyl
Concen: 67.746 ng
RT: 12.887 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

Tgt Ion:172 Resp: 112975

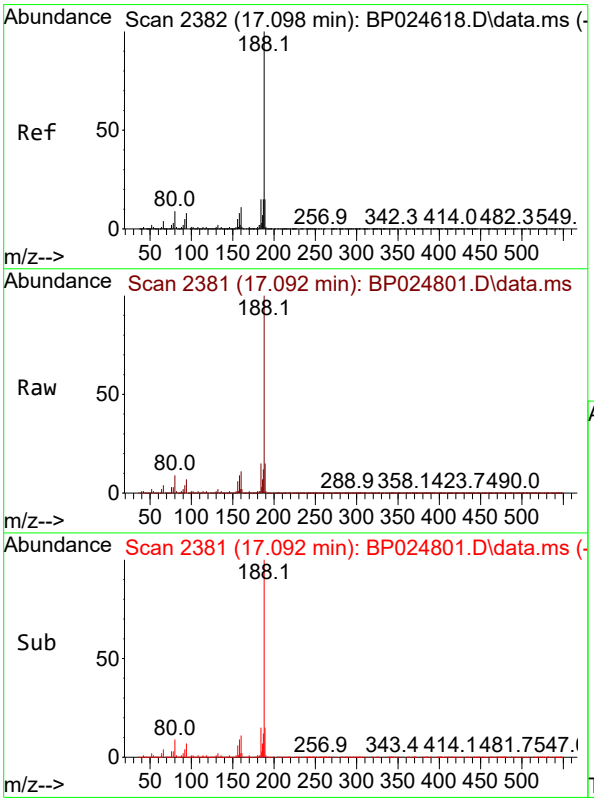
Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.8	43.2
170	23.8	18.8	28.2



Instrument :
BNA_P
ClientSampleId :
GDW2

Manual Integrations
APPROVED

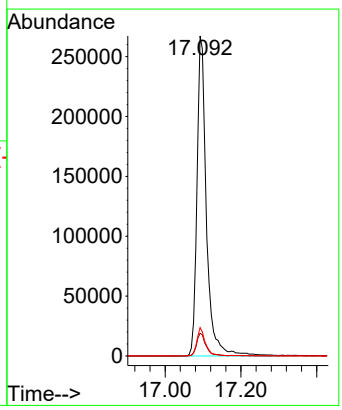
Reviewed By :Rahul Chavli 05/27/2025
Supervised By :Jagrut Upadhyay 05/27/2025

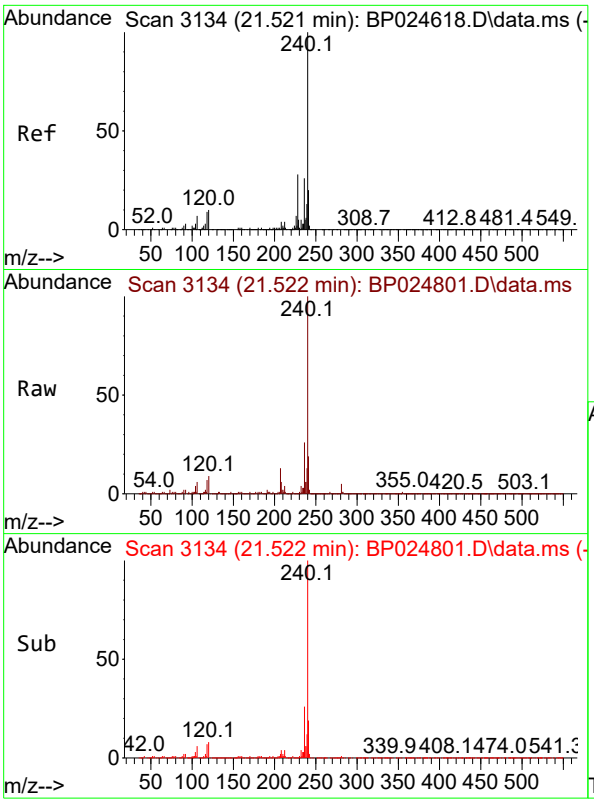


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.092 min Scan# 2381
Delta R.T. -0.006 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

Tgt Ion:188 Resp: 466964

Ion	Ratio	Lower	Upper
188	100		
94	7.1	6.5	9.7
80	8.8	7.3	10.9

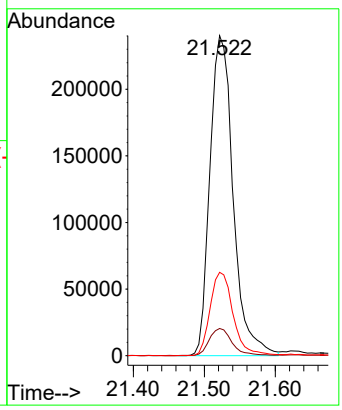




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.522 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

Tgt Ion:240 Resp: 54633

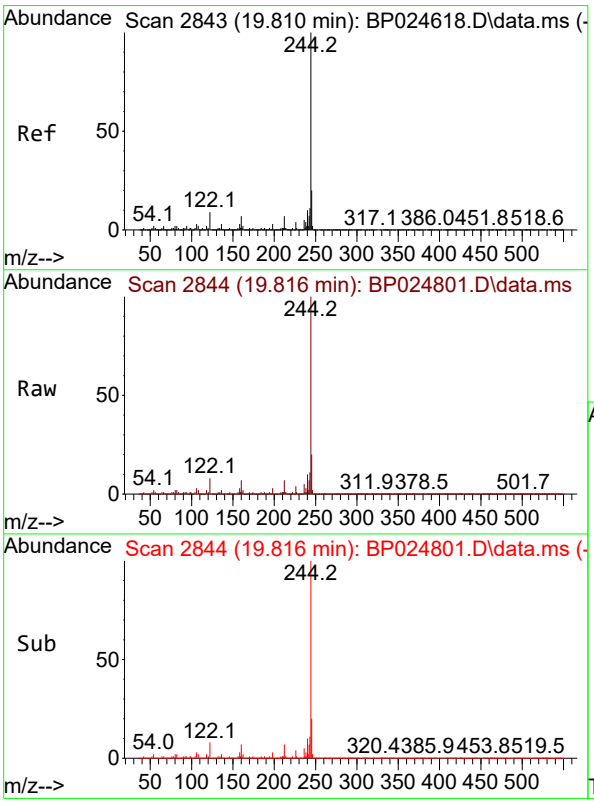
Ion	Ratio	Lower	Upper
240	100		
120	8.5	7.8	11.6
236	26.0	20.6	31.0



Instrument :
BNA_P
ClientSampleId :
GDW2

Manual Integrations
APPROVED

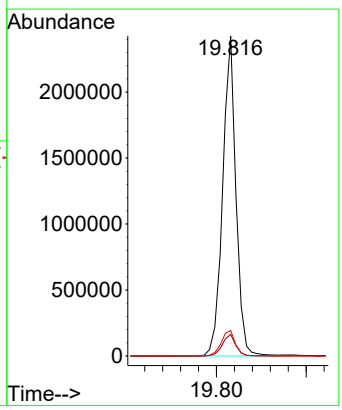
Reviewed By :Rahul Chavli 05/27/2025
Supervised By :Jagrut Upadhyay 05/27/2025

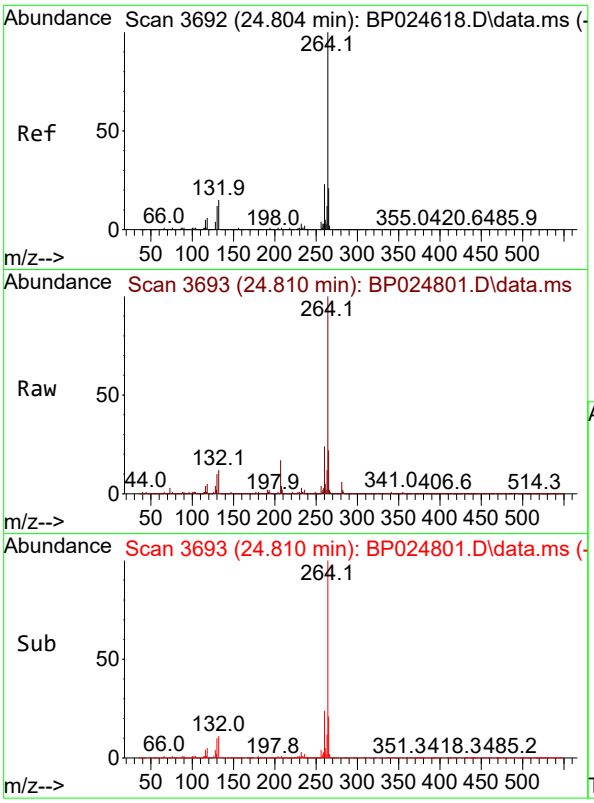


#79
Terphenyl-d14
Concen: 78.037 ng
RT: 19.816 min Scan# 2844
Delta R.T. 0.006 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

Tgt Ion:244 Resp: 2486402

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.5	8.3
122	7.9	7.4	11.0

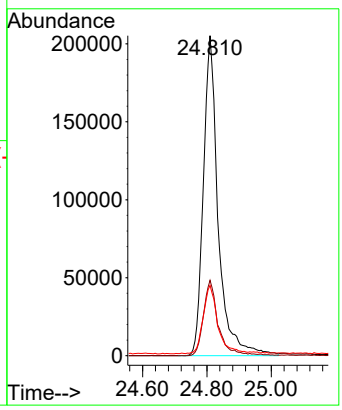




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.810 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

Tgt Ion:264 Resp: 65667

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	21.9	17.0	25.6



Instrument :
BNA_P
ClientSampleId :
GDW2

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/27/2025
Supervised By :Jagrut Upadhyay 05/27/2025

Sample Results: **BP024801.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024801.D
Acq On : 23 May 2025 20:32
Operator : RC/JU
Sample : Q2073-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GDW2

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

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

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

Signal : TIC: BP024801.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.822	290	295	305	rBV	51509	76111	1.16%	0.336%
2	5.287	368	374	392	rBV	510636	894207	13.66%	3.952%
3	6.864	636	642	662	rBV	213414	482289	7.37%	2.131%
4	7.652	768	776	786	rBV	298786	507635	7.75%	2.243%
5	8.799	963	971	995	rBV	744885	1378678	21.06%	6.093%
6	10.416	1239	1246	1268	rBV	330787	662921	10.13%	2.930%
7	11.410	1408	1415	1436	rBV6	15019	71221	1.09%	0.315%
8	12.887	1659	1666	1693	rBV	2060937	3321993	50.74%	14.681%
9	14.287	1896	1904	1923	rBV	520938	943110	14.41%	4.168%
10	15.675	2133	2140	2150	rBV	95326	168138	2.57%	0.743%
11	15.804	2156	2162	2197	rBV	2002641	3357125	51.28%	14.837%
12	17.092	2375	2381	2394	rBV2	665986	1140066	17.41%	5.038%
13	18.034	2536	2541	2549	rBV3	43742	87904	1.34%	0.388%
14	19.816	2838	2844	2852	rBV	6274588	6546989	100.00%	28.934%
15	21.522	3128	3134	3148	rBV2	628729	1417719	21.65%	6.266%
16	24.810	3684	3693	3724	rVB	504725	1571189	24.00%	6.944%

Sum of corrected areas: 22627295

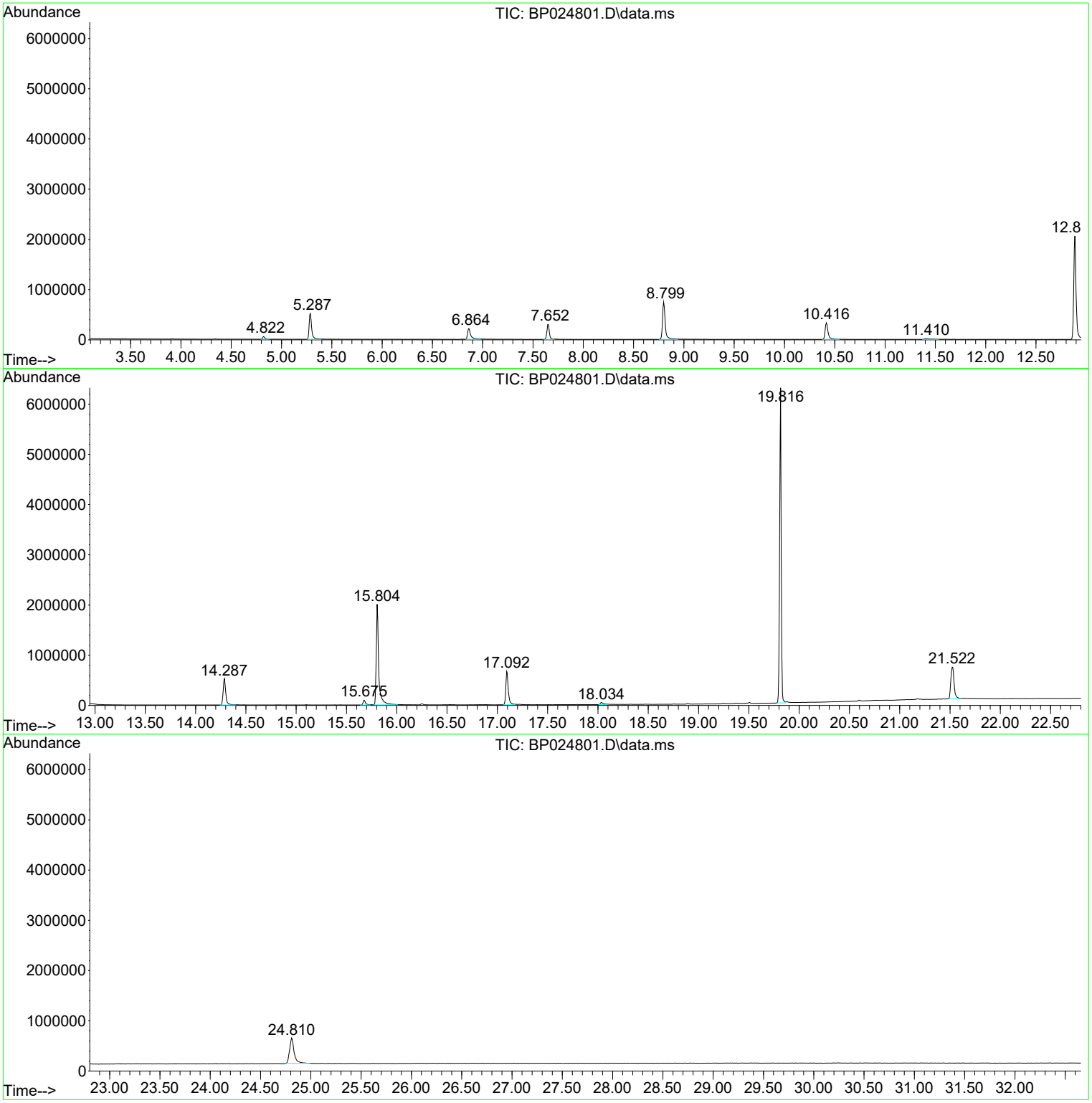
Sample Results: **BP024801.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024801.D
Acq On : 23 May 2025 20:32
Operator : RC/JU
Sample : Q2073-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GDW2

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

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024801.D
Acq On : 23 May 2025 20:32
Operator : RC/JU
Sample : Q2073-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GDW2

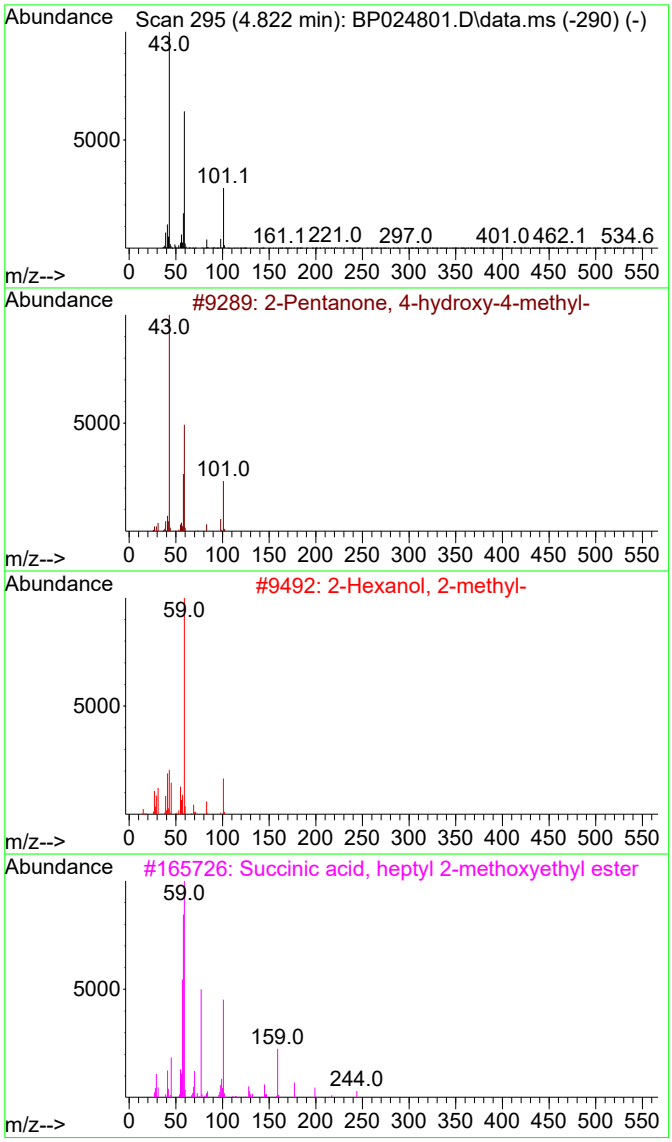
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

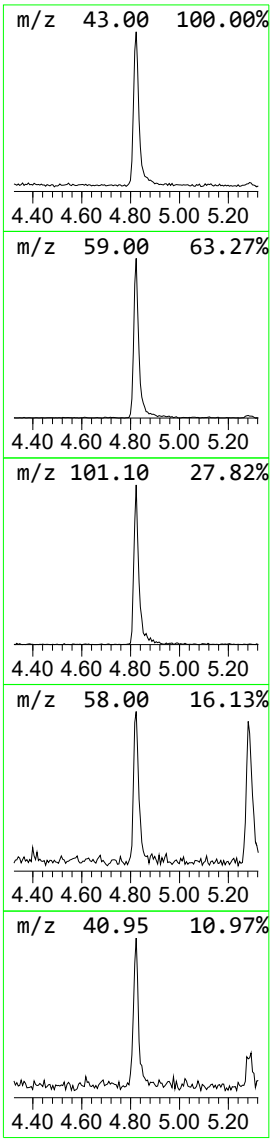
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.822	3.00 ng	76111	1,4-Dichlorobenzene-d4	7.652

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	53
3	Succinic acid, heptyl 2-methoxye...	274	C14H26O5	1000325-80-7	33
4	Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	28
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024801.D
Acq On : 23 May 2025 20:32
Operator : RC/JU
Sample : Q2073-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GDW2

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

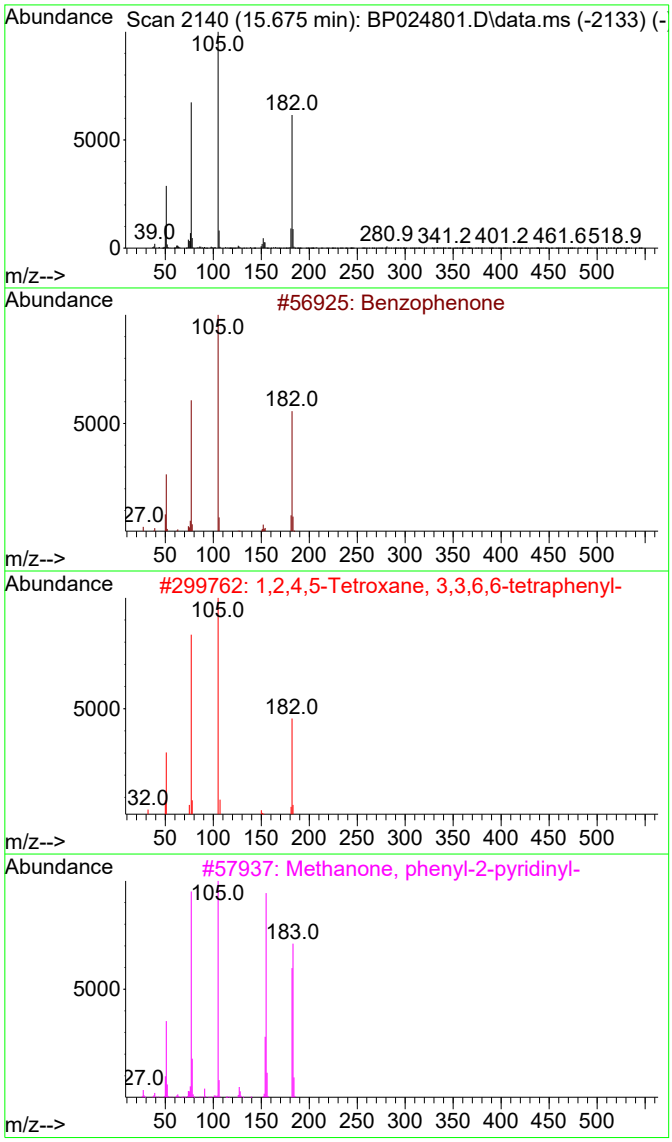
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

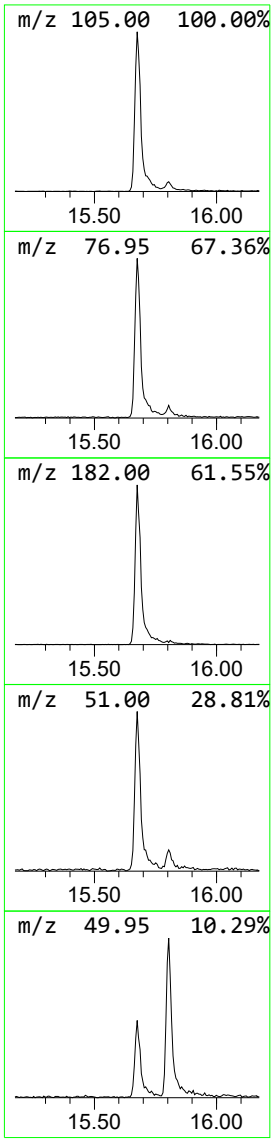
****

Peak Number 2 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.675	3.57 ng	168138	Acenaphthene-d10	14.287

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	56
4	Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	45
5	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	42





Sample Results: **BP024801.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024801.D
Acq On : 23 May 2025 20:32
Operator : RC/JU
Sample : Q2073-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GDW2

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	4.822	3.0	ng	76111	1	7.652	507635	20.0
Benzophenone	15.675	3.6	ng	168138	3	14.287	943110	20.0

CALIBRATION SUMMARY

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2073 SAS No.: Q2073 SDG No.: Q2073

Instrument ID: BNA_P Calibration Date(s): 05/13/2025 05/13/2025

Calibration Time(s): 10:41 15:26

LAB FILE ID: RRF2.5 = BP024614.D RRF005 = BP024615.D RRF010 = BP024616.D
RRF020 = BP024617.D RRF040 = BP024618.D RRF050 = BP024619.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.134	1.096	1.162	1.105	1.272	1.169	5.5
Benzaldehyde		0.991	1.008	1.046	0.955	1.043	0.966	9.9
Phenol-d6		1.301	1.344	1.486	1.472	1.671	1.492	9.1
Phenol		1.373	1.401	1.526	1.509	1.707	1.540	8.2
bis(2-Chloroethyl)ether		1.317	1.170	1.257	1.213	1.357	1.266	5.0
2-Chlorophenol		1.200	1.204	1.311	1.303	1.465	1.327	7.8
2-Methylphenol		0.966	0.949	1.105	1.099	1.246	1.105	10.3
2,2-oxybis(1-Chloropropane)		1.543	1.445	1.520	1.467	1.617	1.516	4.2
Acetophenone		0.486	0.481	0.511	0.483	0.534	0.500	4.0
3+4-Methylphenols		1.221	1.302	1.503	1.515	1.702	1.503	12.2
n-Nitroso-di-n-propylamine	0.880	0.977	0.967	1.086	1.048	1.142	1.032	8.6
Nitrobenzene-d5		0.381	0.376	0.401	0.382	0.429	0.396	4.7
Hexachloroethane		0.606	0.591	0.582	0.551	0.623	0.589	4.0
Nitrobenzene		0.333	0.340	0.355	0.337	0.373	0.348	4.0
Isophorone		0.644	0.640	0.695	0.673	0.753	0.687	5.9
2-Nitrophenol		0.135	0.143	0.168	0.172	0.196	0.171	14.1
2,4-Dimethylphenol		0.273	0.279	0.300	0.298	0.329	0.301	6.6
bis(2-Chloroethoxy)methane		0.403	0.391	0.411	0.399	0.443	0.410	4.1
2,4-Dichlorophenol		0.250	0.258	0.290	0.291	0.327	0.292	10.0
Naphthalene		1.064	1.026	1.049	0.980	1.091	1.036	3.5
4-Chloroaniline		0.348	0.371	0.420	0.418	0.465	0.418	10.6
Hexachlorobutadiene		0.231	0.214	0.211	0.198	0.222	0.213	5.1
Caprolactam		0.082	0.092	0.104	0.109	0.121	0.106	13.8
4-Chloro-3-methylphenol		0.316	0.325	0.358	0.356	0.391	0.356	7.8
2-Methylnaphthalene		0.673	0.654	0.670	0.640	0.713	0.671	3.7
Hexachlorocyclopentadiene		0.250	0.276	0.350	0.356	0.420	0.352	19.0
2,4,6-Trichlorophenol		0.305	0.341	0.375	0.371	0.428	0.376	11.3
2-Fluorobiphenyl		1.601	1.498	1.553	1.432	1.602	1.527	4.1
2,4,5-Trichlorophenol		0.376	0.375	0.418	0.404	0.471	0.419	8.7
1,1-Biphenyl		1.524	1.434	1.492	1.383	1.586	1.478	4.4
2-Chloronaphthalene		1.147	1.106	1.131	1.065	1.196	1.127	3.6
2-Nitroaniline		0.279	0.304	0.331	0.335	0.381	0.334	10.3
Dimethylphthalate		1.570	1.527	1.518	1.450	1.611	1.524	3.7
Acenaphthylene		1.845	1.818	1.920	1.804	2.029	1.886	4.2

All other compounds must meet a minimum RRF of 0.010.

Raw Data

Alliance TECHNICAL GROUP

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2073 SAS No.: Q2073 SDG No.: Q2073

Instrument ID: BNA_P Calibration Date(s): 05/13/2025 05/13/2025

Calibration Time(s): 10:41 15:26

LAB FILE ID: RRF2.5 = BP024614.D RRF005 = BP024615.D RRF010 = BP024616.D
RRF020 = BP024617.D RRF040 = BP024618.D RRF050 = BP024619.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.299	0.308	0.326	0.312	0.354	0.322	5.8
3-Nitroaniline		0.258	0.275	0.329	0.340	0.379	0.329	14.0
Acenaphthene		1.105	1.054	1.094	1.028	1.159	1.084	4.0
2,4-Dinitrophenol			0.098	0.143	0.172	0.201	0.169	24.8
4-Nitrophenol			0.159	0.222	0.257	0.299	0.250	20.8
Dibenzofuran		1.810	1.716	1.740	1.633	1.816	1.730	4.0
2,4-Dinitrotoluene		0.400	0.422	0.456	0.454	0.508	0.454	7.9
Diethylphthalate		1.593	1.542	1.537	1.444	1.639	1.541	4.4
4-Chlorophenyl-phenylether		0.752	0.697	0.700	0.656	0.741	0.703	5.0
Fluorene		1.466	1.415	1.410	1.336	1.494	1.410	4.1
4-Nitroaniline		0.228	0.259	0.326	0.330	0.375	0.317	17.1
4,6-Dinitro-2-methylphenol			0.094	0.120	0.129	0.149	0.129	15.6
n-Nitrosodiphenylamine		0.603	0.589	0.627	0.593	0.667	0.614	4.4
2,4,6-Tribromophenol		0.324	0.321	0.335	0.323	0.369	0.339	5.5
4-Bromophenyl-phenylether		0.231	0.223	0.237	0.226	0.252	0.236	4.3
Hexachlorobenzene		0.303	0.288	0.298	0.282	0.321	0.299	4.2
Atrazine		0.210	0.209	0.227	0.218	0.248	0.225	6.3
Pentachlorophenol		0.124	0.137	0.163	0.172	0.198	0.168	17.1
Phenanthrene		1.144	1.085	1.125	1.051	1.170	1.112	3.7
Anthracene		1.097	1.064	1.142	1.075	1.205	1.119	4.3
Carbazole		0.923	0.944	1.039	1.001	1.114	1.012	6.4
Di-n-butylphthalate		1.182	1.218	1.332	1.260	1.447	1.302	7.0
Fluoranthene		1.271	1.254	1.314	1.250	1.399	1.300	4.2
Pyrene		1.184	1.137	1.197	1.153	1.273	1.198	3.8
Terphenyl-d14		1.192	1.113	1.165	1.125	1.226	1.166	3.3
Butylbenzylphthalate		0.458	0.465	0.537	0.527	0.604	0.533	10.3
3,3-Dichlorobenzidine		0.357	0.392	0.474	0.477	0.539	0.466	14.5
Benzo(a)anthracene		1.251	1.218	1.253	1.208	1.336	1.256	3.4
Chrysene		1.214	1.180	1.185	1.131	1.255	1.190	3.2
Bis(2-ethylhexyl)phthalate		0.673	0.683	0.801	0.766	0.884	0.783	10.3
Di-n-octyl phthalate		1.048	1.116	1.272	1.280	1.458	1.281	12.0
Benzo(b)fluoranthene		1.028	1.070	1.152	1.103	1.288	1.145	7.6
Benzo(k)fluoranthene		1.147	1.106	1.182	1.140	1.258	1.180	4.6
Benzo(a)pyrene		0.995	1.001	1.112	1.064	1.221	1.099	7.7
Indeno(1,2,3-cd)pyrene		1.341	1.357	1.447	1.424	1.608	1.460	6.7

All other compounds must meet a minimum RRF of 0.010.

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2073 SAS No.: Q2073 SDG No.: Q2073

Instrument ID: BNA_P Calibration Date(s): 05/13/2025 05/13/2025

Calibration Time(s): 10:41 15:26

LAB FILE ID: RRF2.5 = BP024614.D RRF005 = BP024615.D RRF010 = BP024616.D
RRF020 = BP024617.D RRF040 = BP024618.D RRF050 = BP024619.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo(a,h)anthracene		1.068	1.066	1.186	1.167	1.321	1.188	8.2
Benzo(g,h,i)perylene		1.101	1.106	1.167	1.147	1.294	1.181	6.1
1,2,4,5-Tetrachlorobenzene		0.593	0.558	0.574	0.549	0.625	0.581	4.3
1,4-Dioxane		0.641	0.557	0.535	0.505	0.562	0.549	8.3
2,3,4,6-Tetrachlorophenol		0.367	0.364	0.381	0.379	0.428	0.388	5.9

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-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue May 13 16:21:39 2025
Response Via : Initial Calibration

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

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

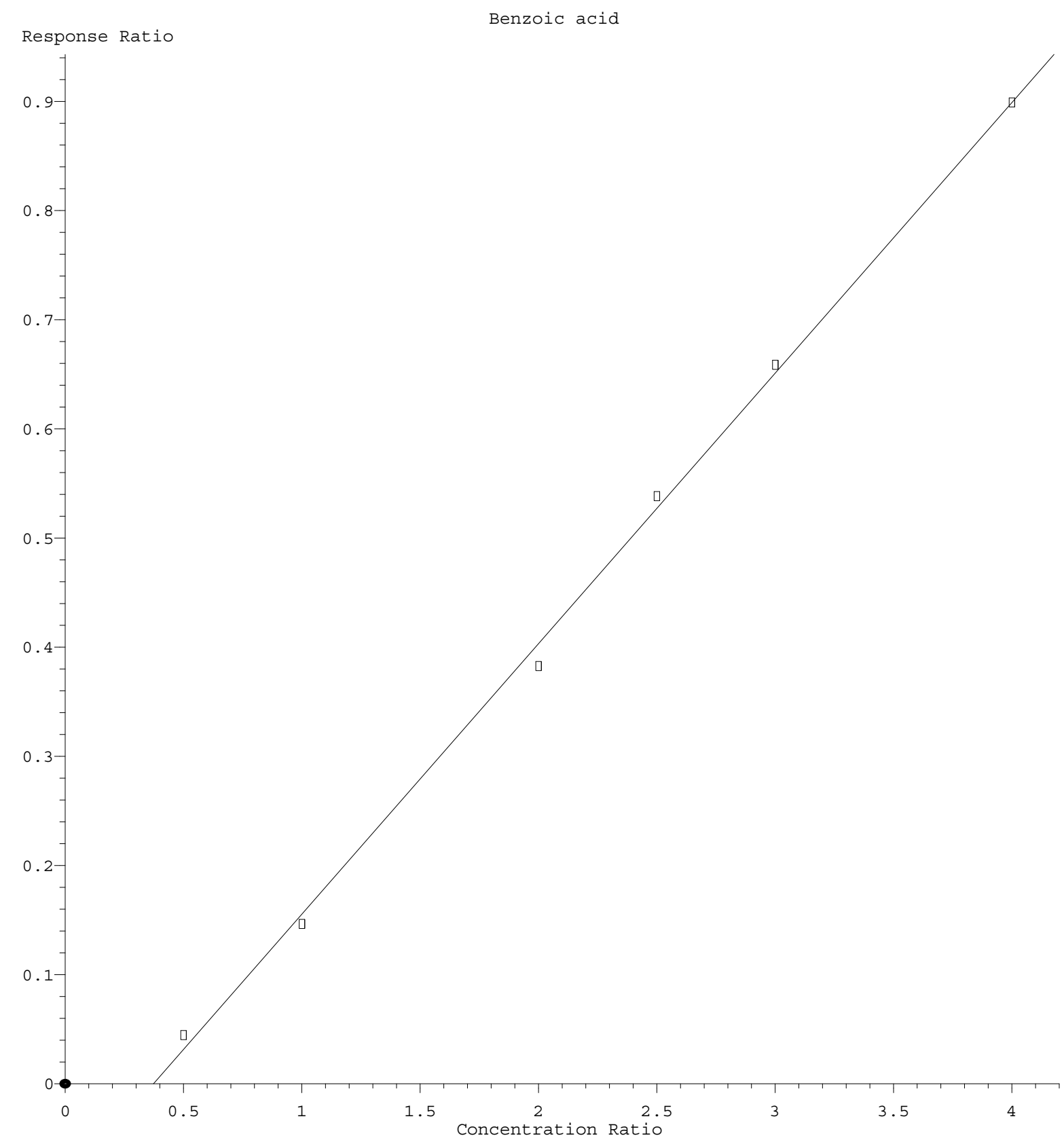
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP051325.M

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

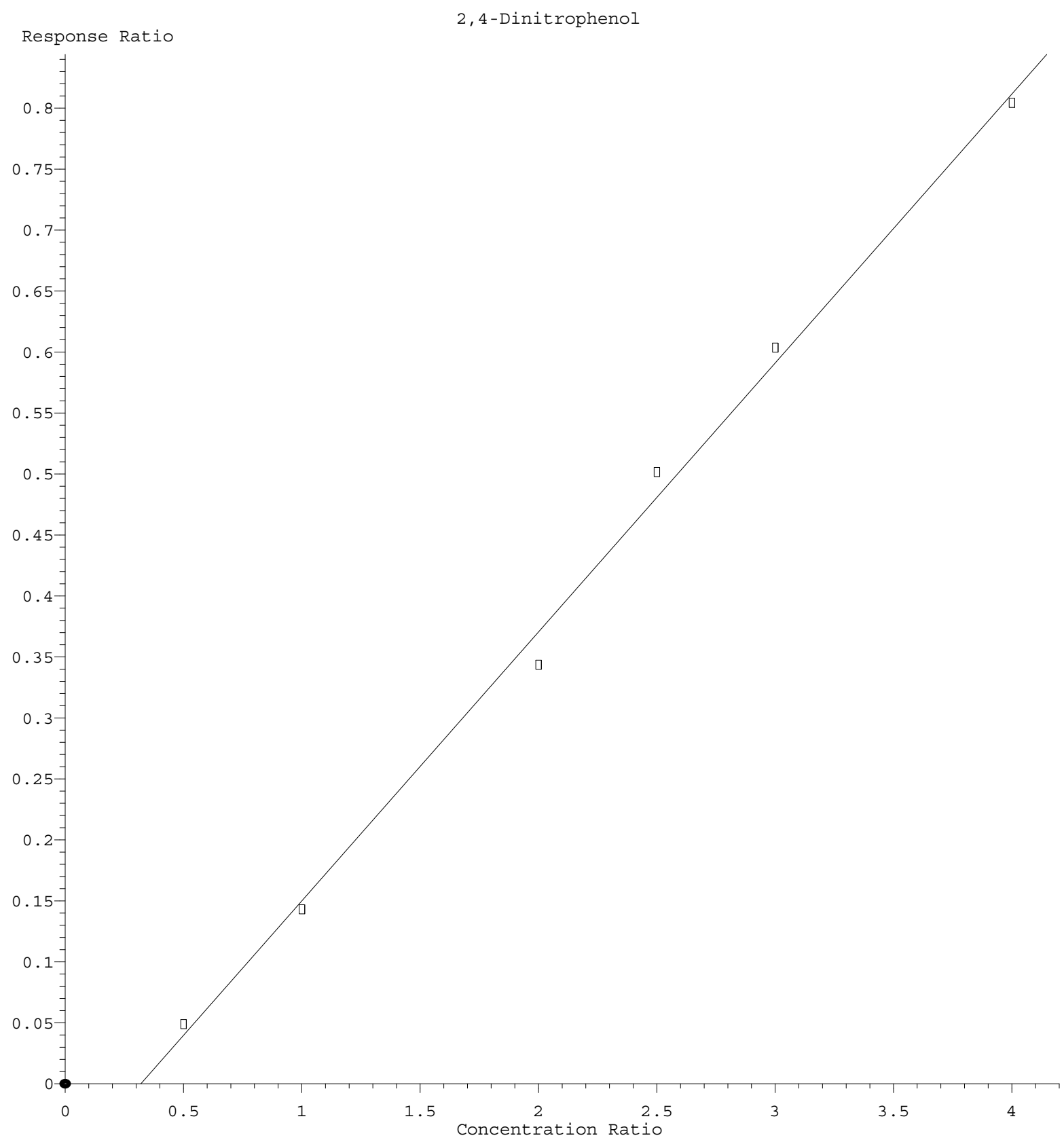
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP051325.M

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

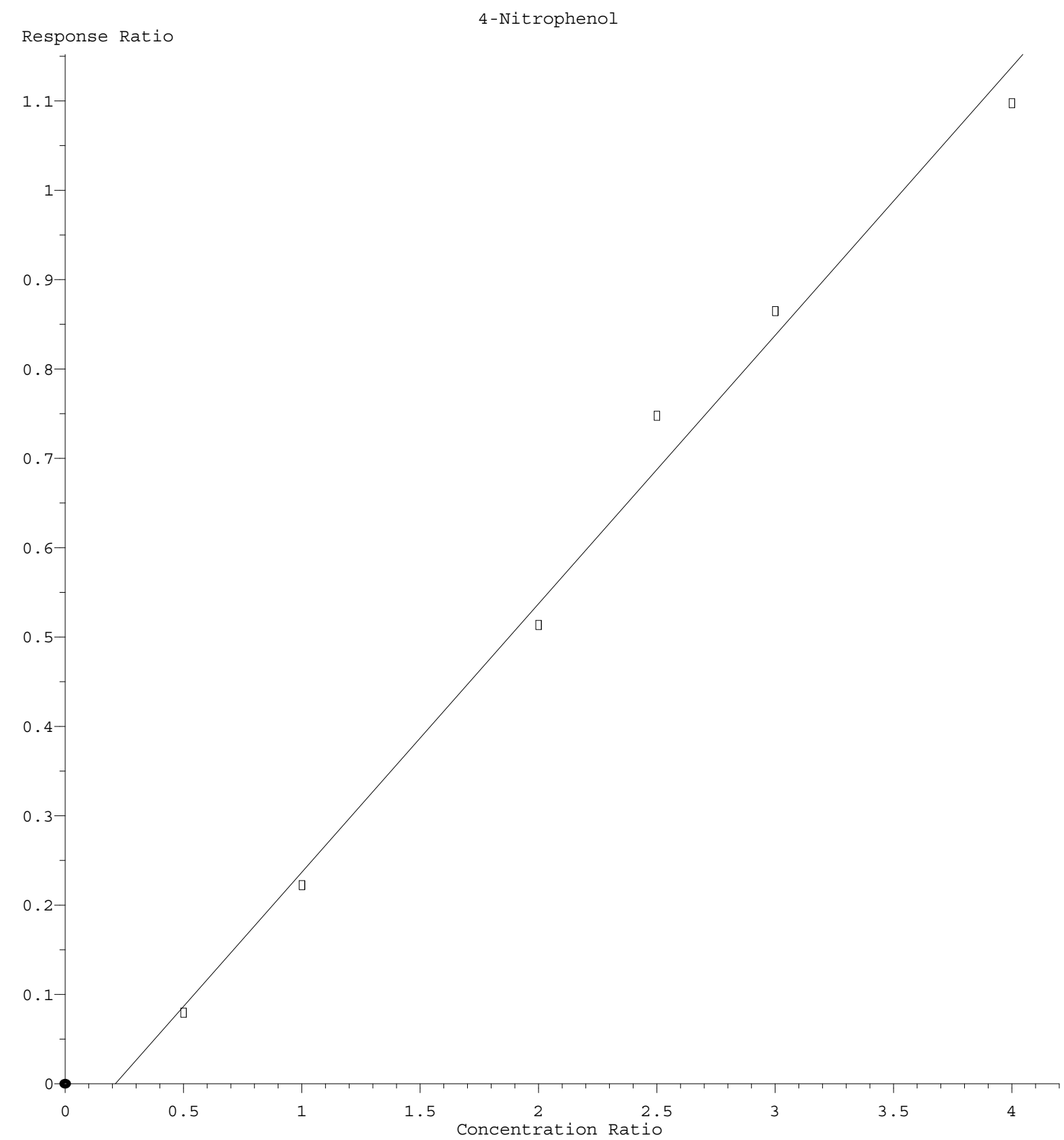
(#) = Out of Range



Response = 2.481e-001 * Amt - 9.265e-002
Coef of Det (r^2) = 0.998338 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP051325.M
Calibration Table Last Updated: Tue May 13 16:21:39 2025



Response = 2.207e-001 * Amt - 7.063e-002
Coef of Det (r^2) = 0.996311 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP051325.M
Calibration Table Last Updated: Tue May 13 16:21:39 2025



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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

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

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

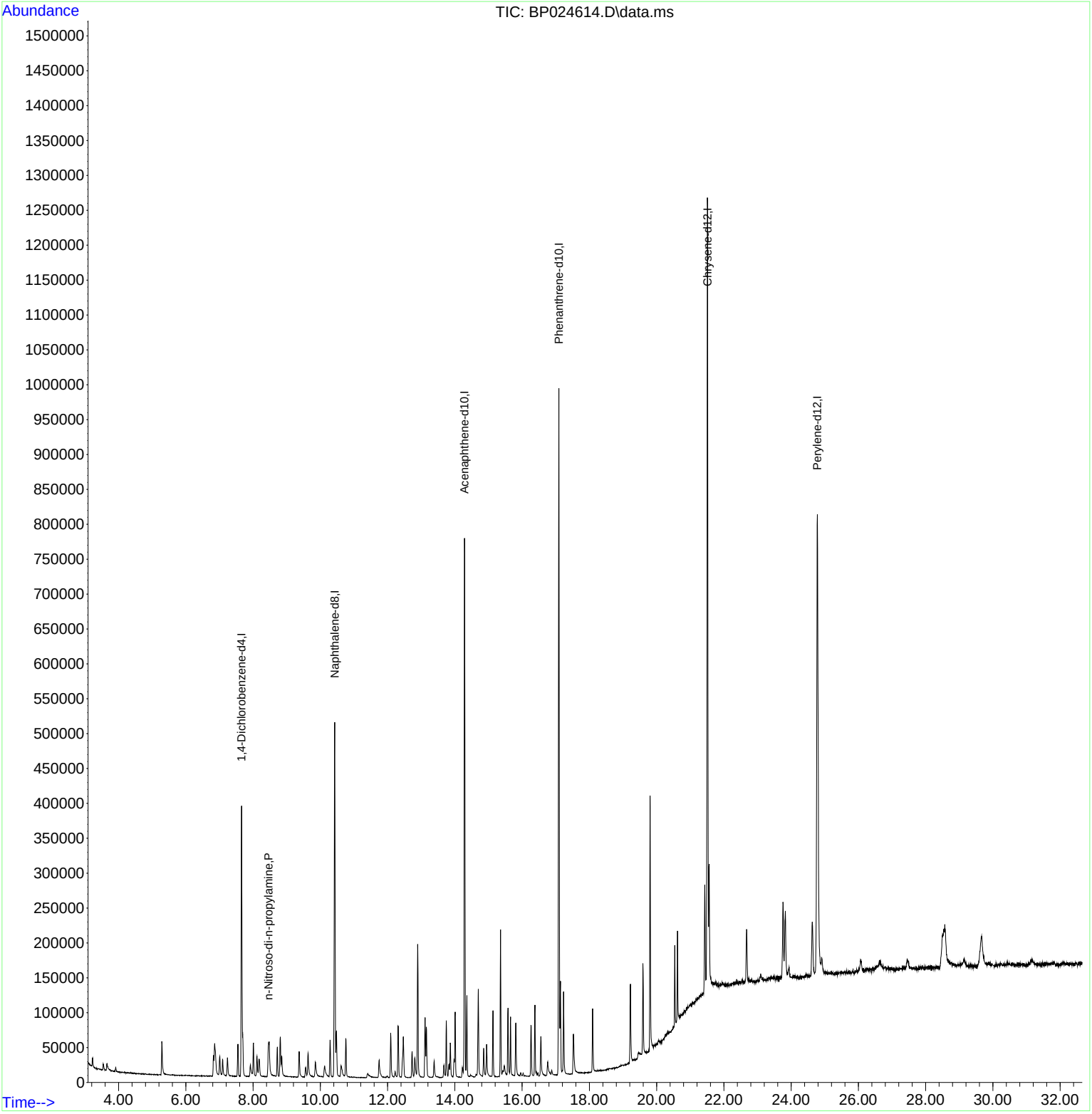
(#) = qualifier out of range (m) = manual integration (+) = signals summed

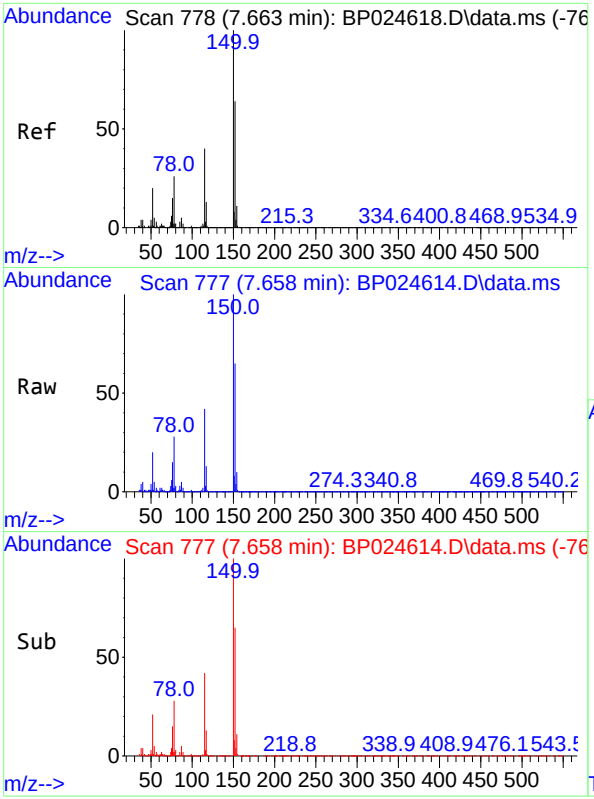
ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

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



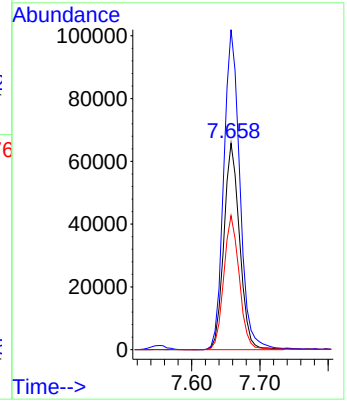


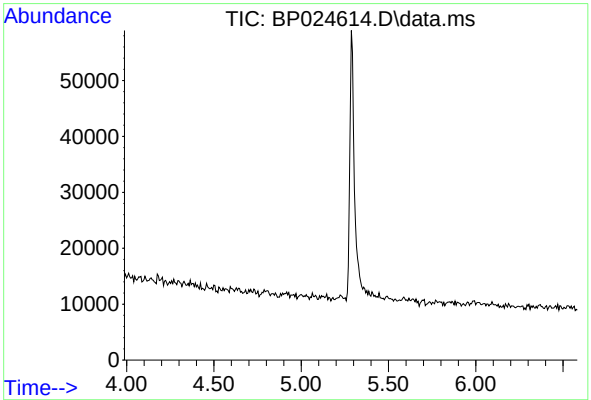
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.658 min Scan# 7
Delta R.T. -0.005 min
Lab File: BP024614.D
Acq: 13 May 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 105461

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



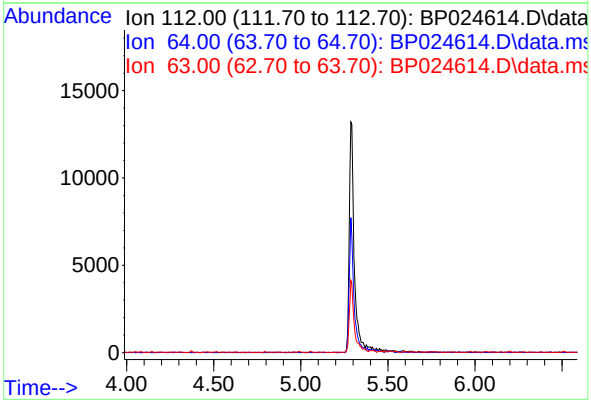


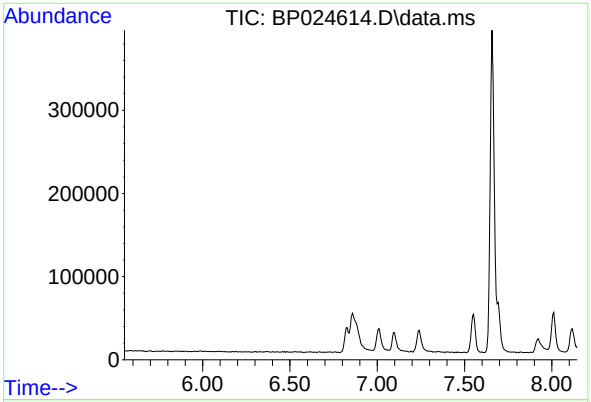
#5
2-Fluorophenol
Concen: 0.00 ng
Expected RT: 5.29 min

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

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	55.1
63	29.4





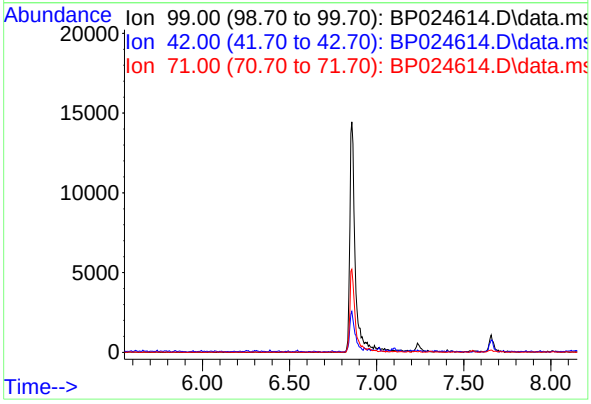
#7
Phenol-d6
Concen: 0.00 ng
Expected RT: 6.85 min

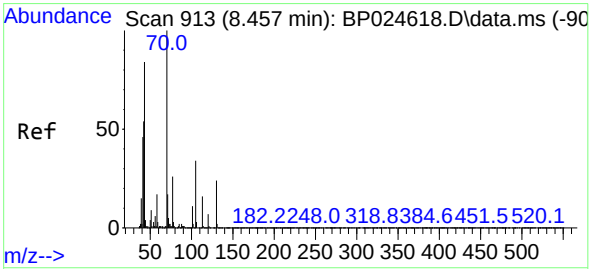
Lab File: BP024614.D
Acq: 13 May 2025 10:41

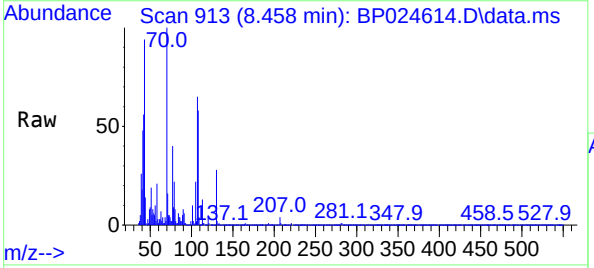
Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

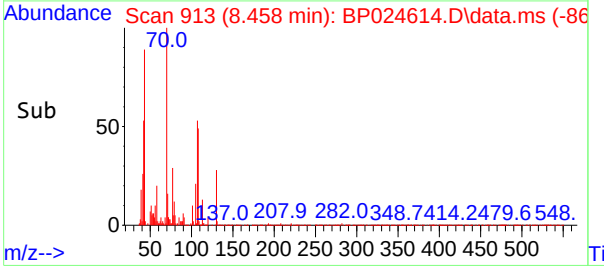
Tgt Ion: 99

Sig	Exp Ratio
99	100
42	18.0
71	36.5





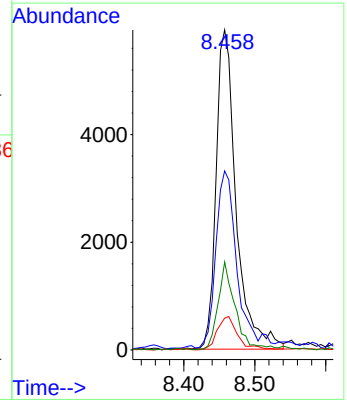


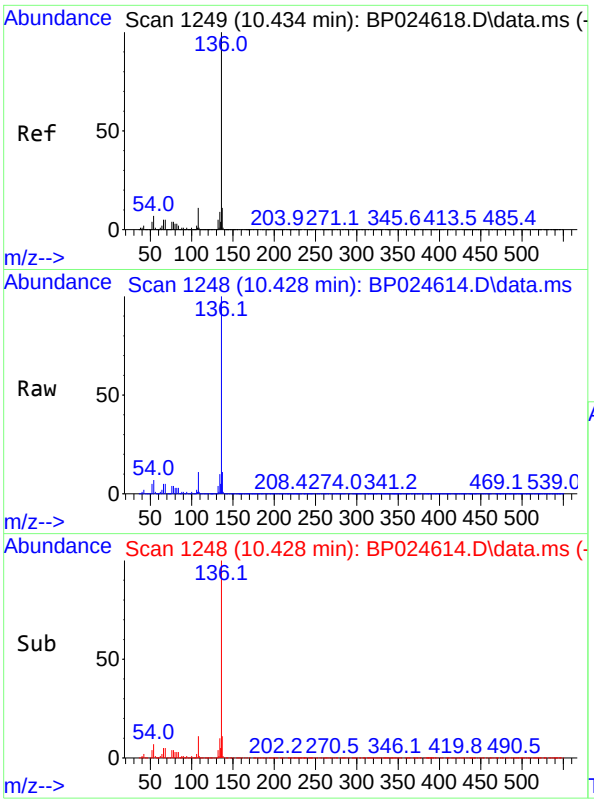


#19
n-Nitroso-di-n-propylamine
Concen: 2.13 ng
RT: 8.458 min Scan# 913
Delta R.T. 0.000 min
Lab File: BP024614.D
Acq: 13 May 2025 10:41

Tgt Ion: 70 Resp: 11601

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



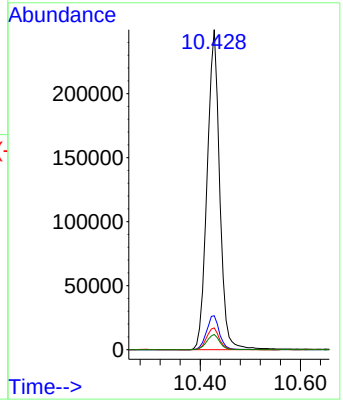


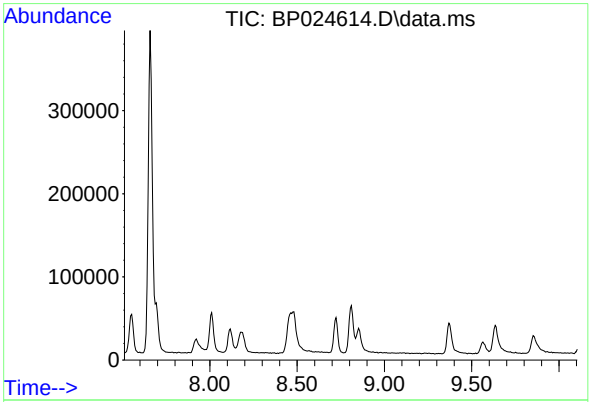
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.428 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024614.D
Acq: 13 May 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 434352

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



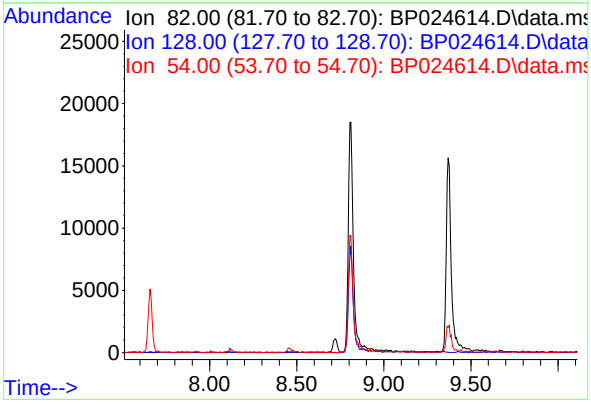


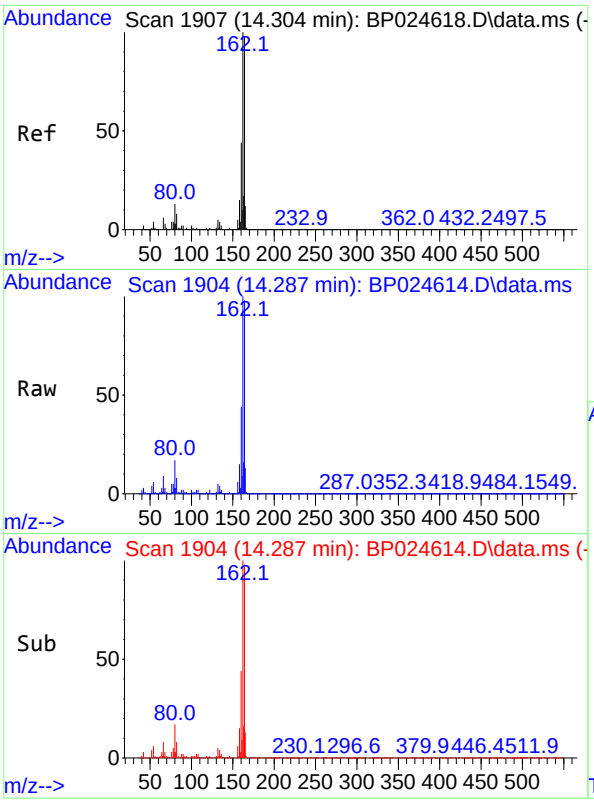
#23
Nitrobenzene-d5
Concen: 0.00 ng
Expected RT: 8.81 min

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

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	46.2
54	48.4



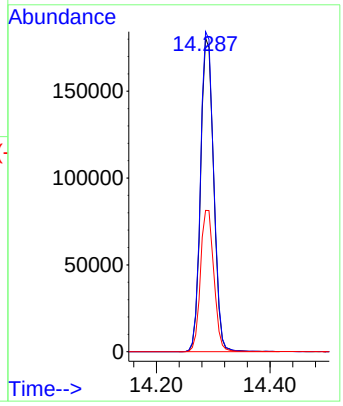


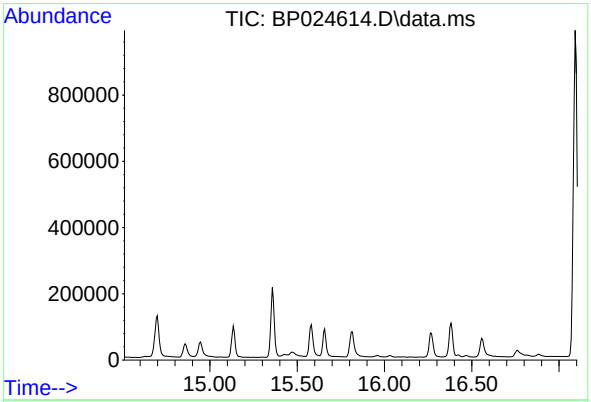
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.287 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024614.D
Acq: 13 May 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 287970

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



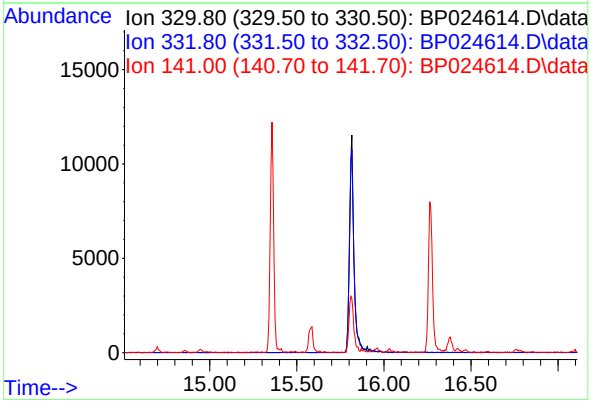


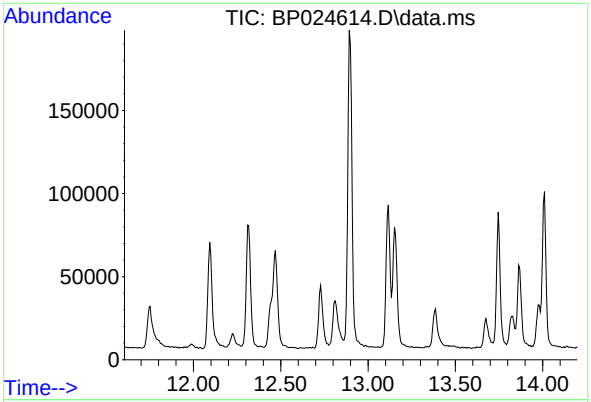
#42
2,4,6-Tribromophenol
Concen: 0.00 ng
Expected RT: 15.81 min

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

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	97.8
141	30.4





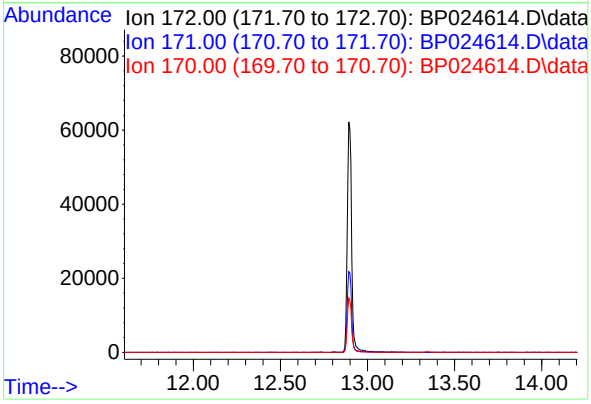
#45
2-Fluorobiphenyl
Concen: 0.00 ng
Expected RT: 12.90 min

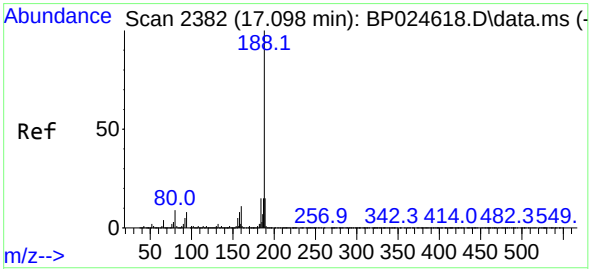
Lab File: BP024614.D
Acq: 13 May 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

Sig	Exp Ratio
172	100
171	36.0
170	23.5

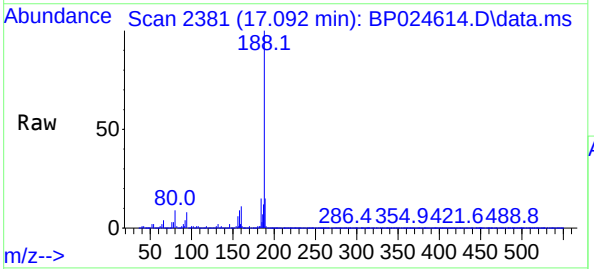


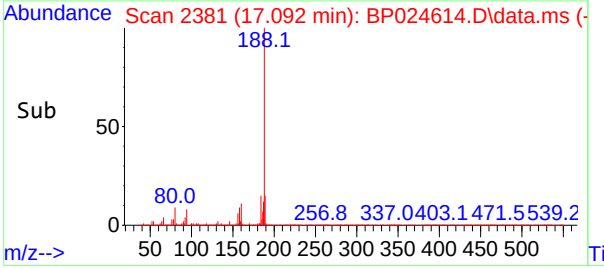


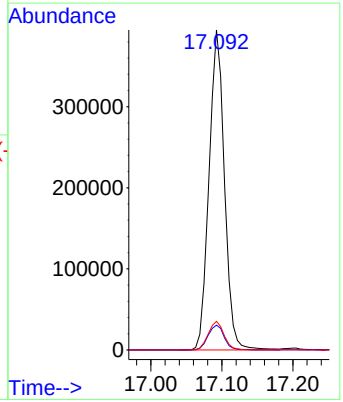
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.092 min Scan# 2381
Delta R.T. -0.006 min
Lab File: BP024614.D
Acq: 13 May 2025 10:41

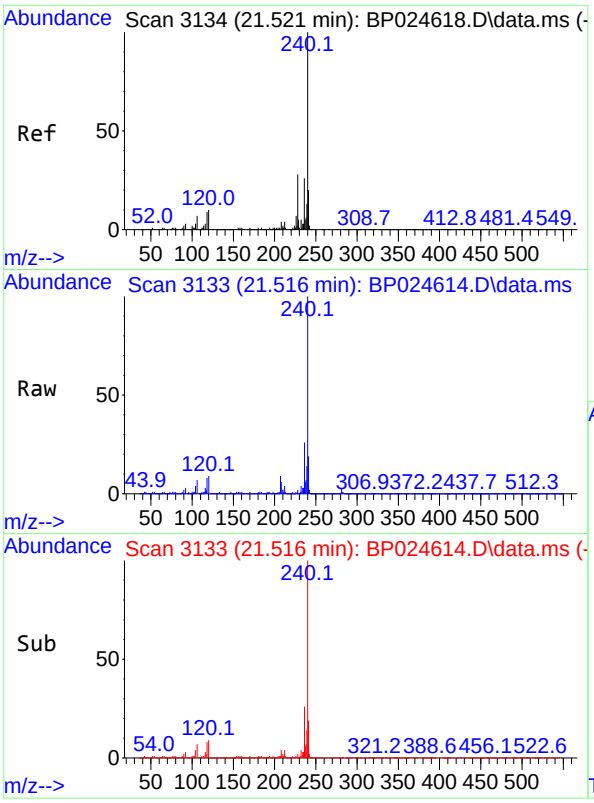
Tgt Ion:188 Resp: 596044

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







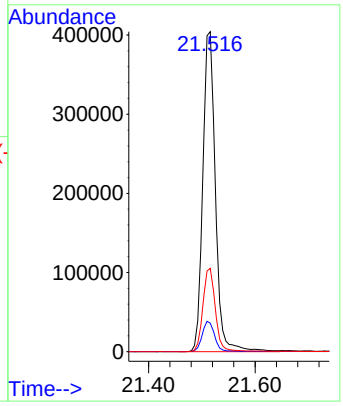


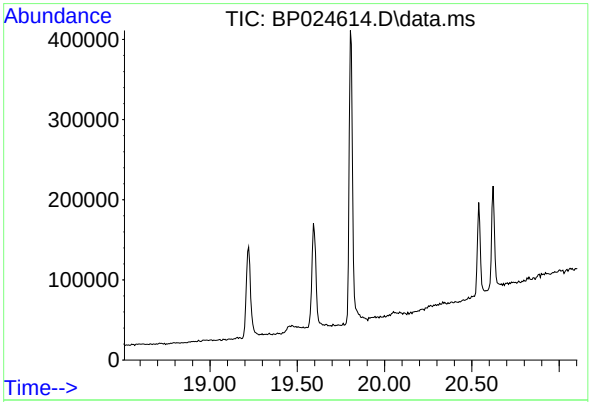
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.516 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024614.D
Acq: 13 May 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 663028

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



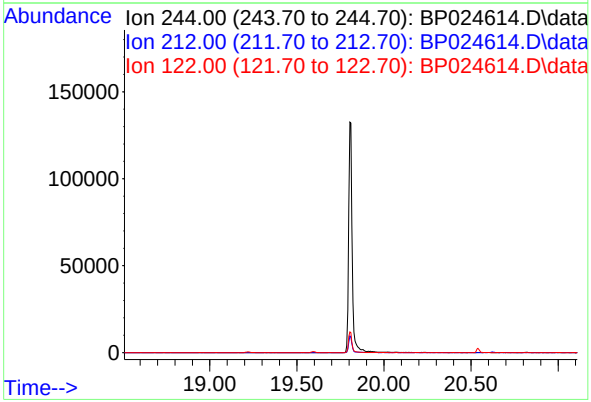


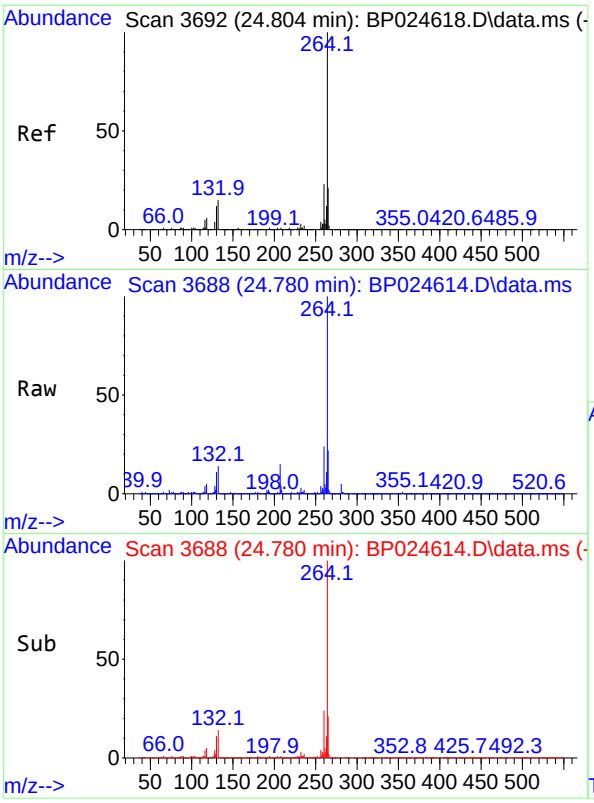
#79
Terphenyl-d14
Concen: 0.00 ng
Expected RT: 19.81 min

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

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.9
122	9.2



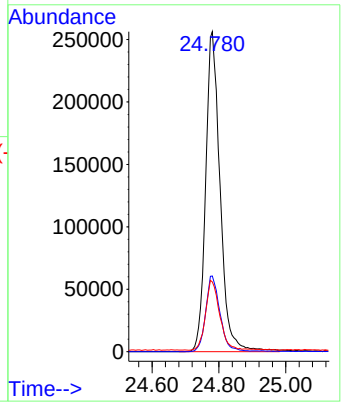


#86
Perylene-d12
Concen: 20.00 ng
RT: 24.780 min Scan# 3
Delta R.T. -0.023 min
Lab File: BP024614.D
Acq: 13 May 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 769627

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

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

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

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

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

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

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

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

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

ICAL Form

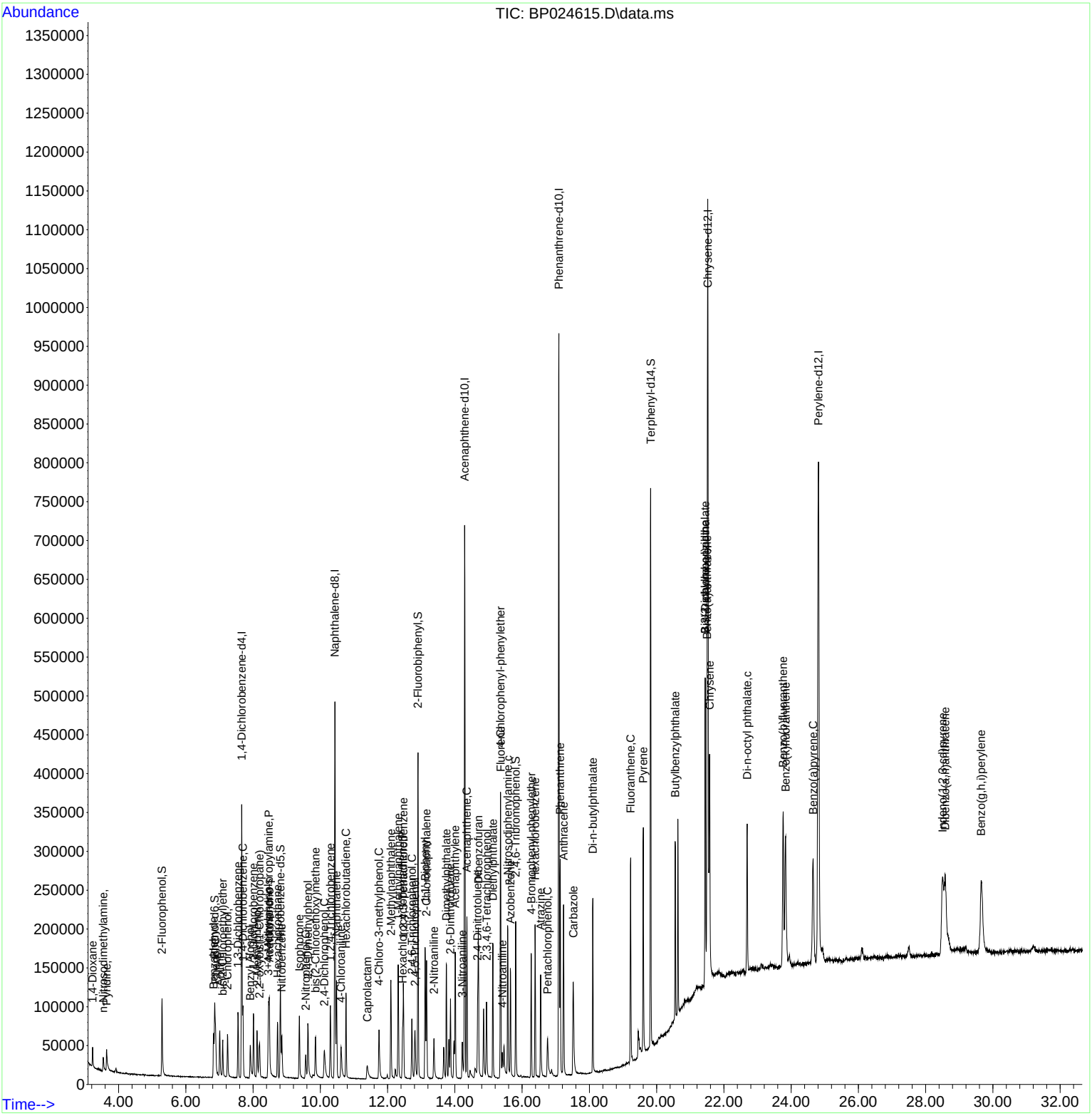
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024615.D
Acq On : 13 May 2025 11:22
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

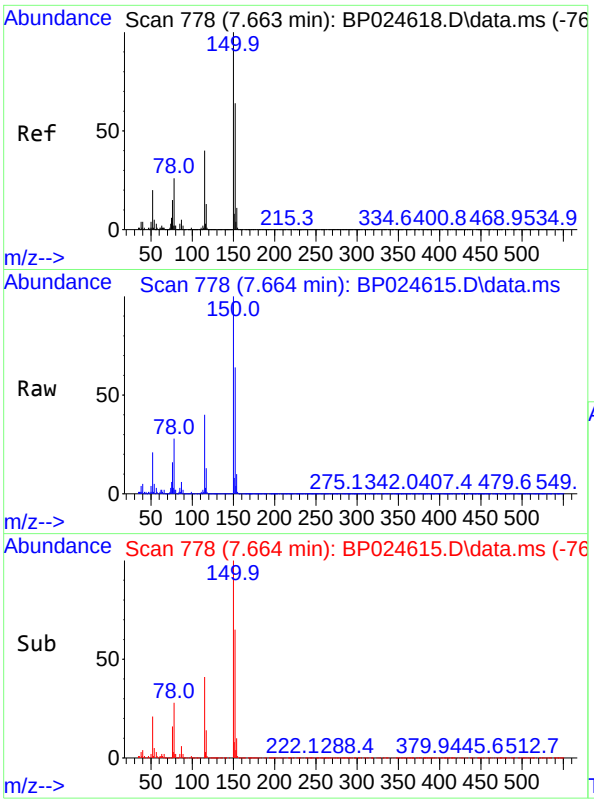
Quant Time: May 13 16:02:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

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

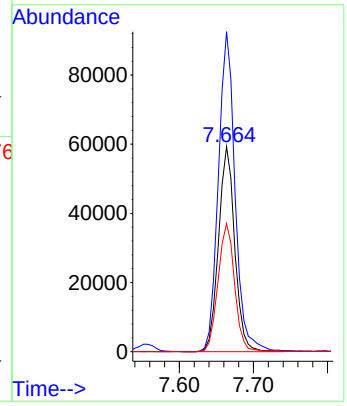




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.664 min Scan# 7
Delta R.T. 0.001 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:152 Resp: 9008

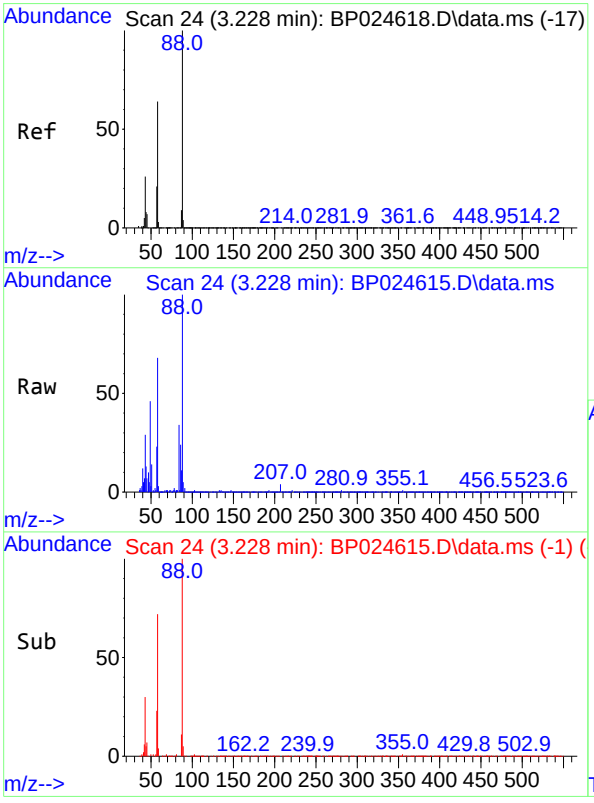
Ion	Ratio	Lower	Upper
152	100		
150	156.0	125.9	188.9
115	62.5	50.1	75.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

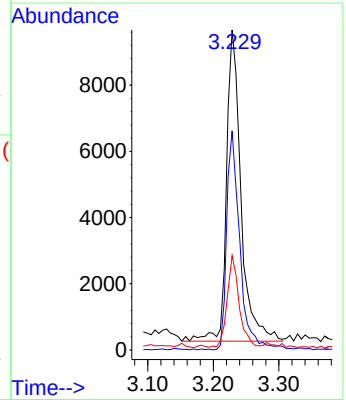
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

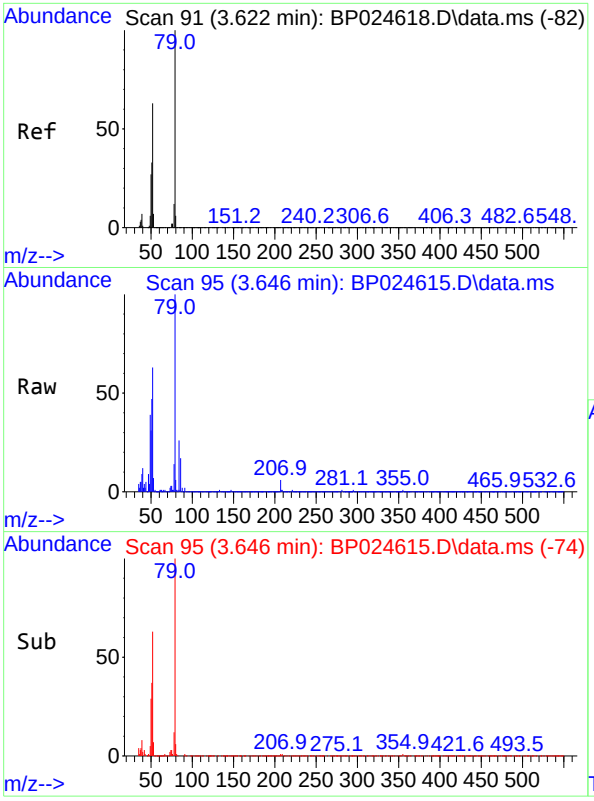


#2
1,4-Dioxane
Concen: 5.84 ng
RT: 3.228 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 88 Resp: 14435

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

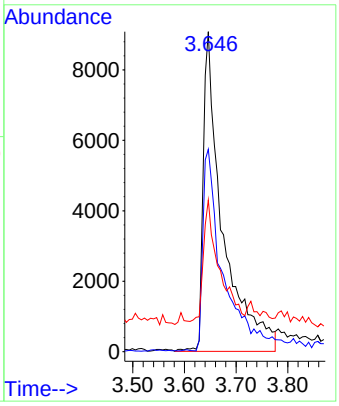




#3
Pyridine
Concen: 4.33 ng
RT: 3.646 min Scan# 9
Delta R.T. 0.024 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 79 Resp: 2373

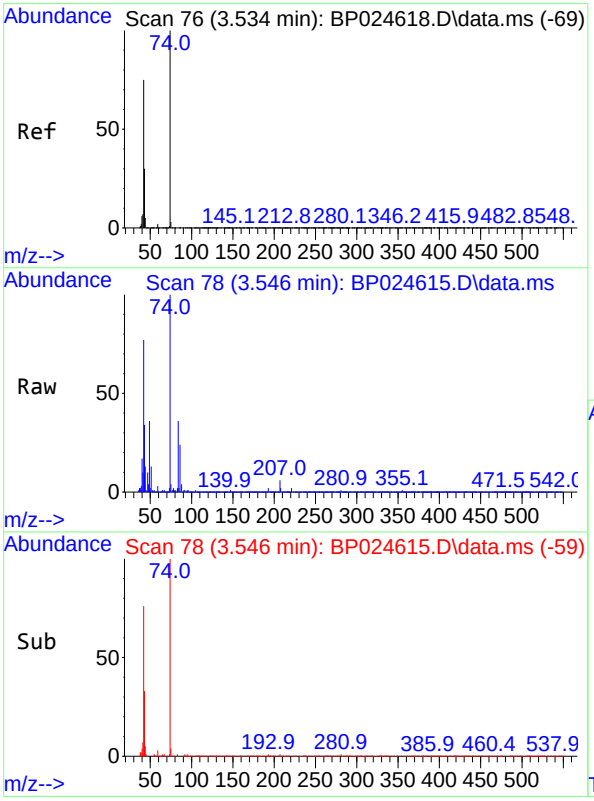
Ion	Ratio	Lower	Upper
79	100		
52	63.2	50.2	75.2
51	47.4	26.8	40.2#



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

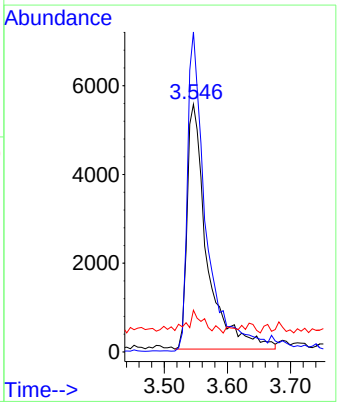
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

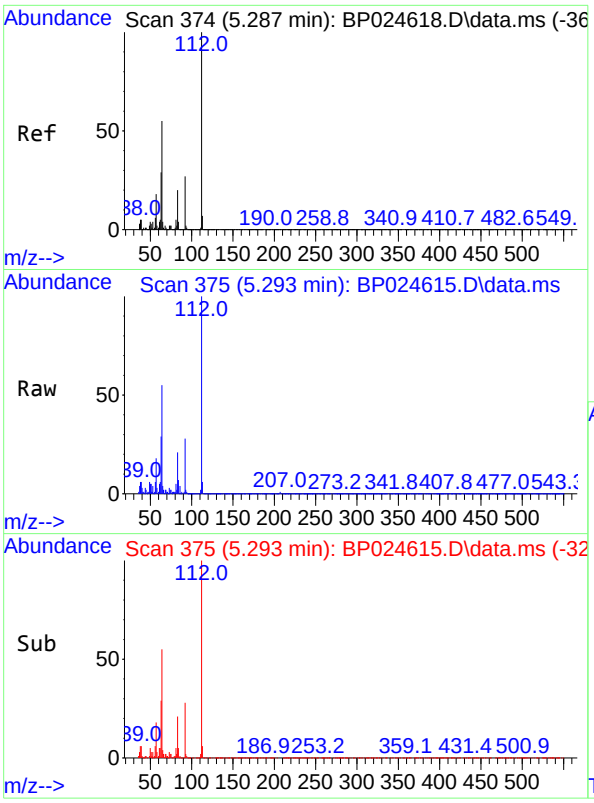


#4
n-Nitrosodimethylamine
Concen: 4.99 ng
RT: 3.546 min Scan# 78
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 42 Resp: 12080

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

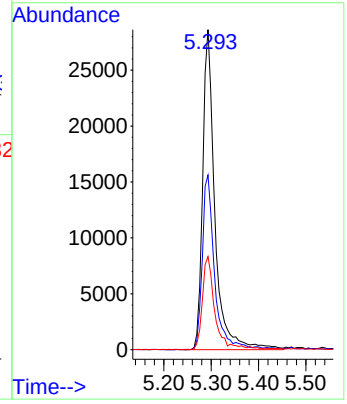




#5
2-Fluorophenol
Concen: 9.70 ng
RT: 5.293 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:112 Resp: 5109

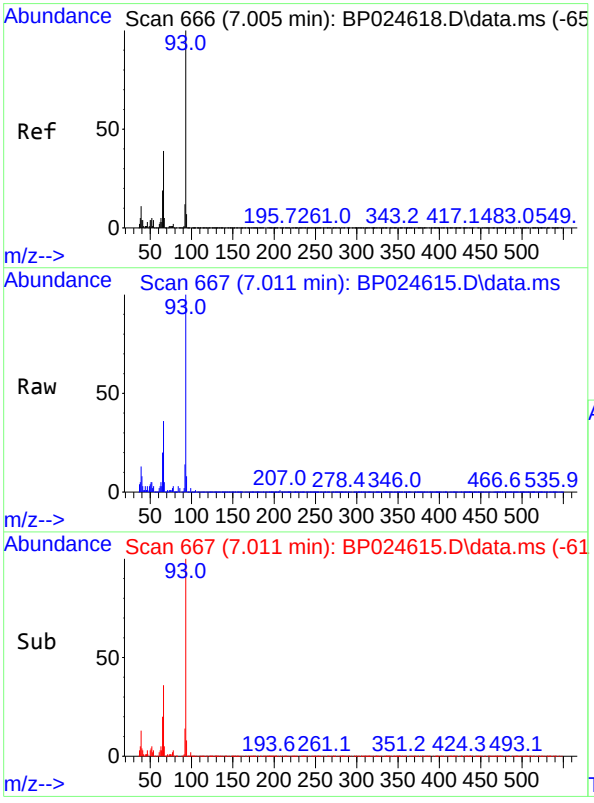
Ion	Ratio	Lower	Upper
112	100		
64	54.6	44.1	66.1
63	29.1	23.5	35.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

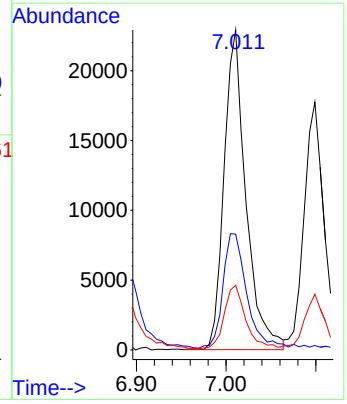
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

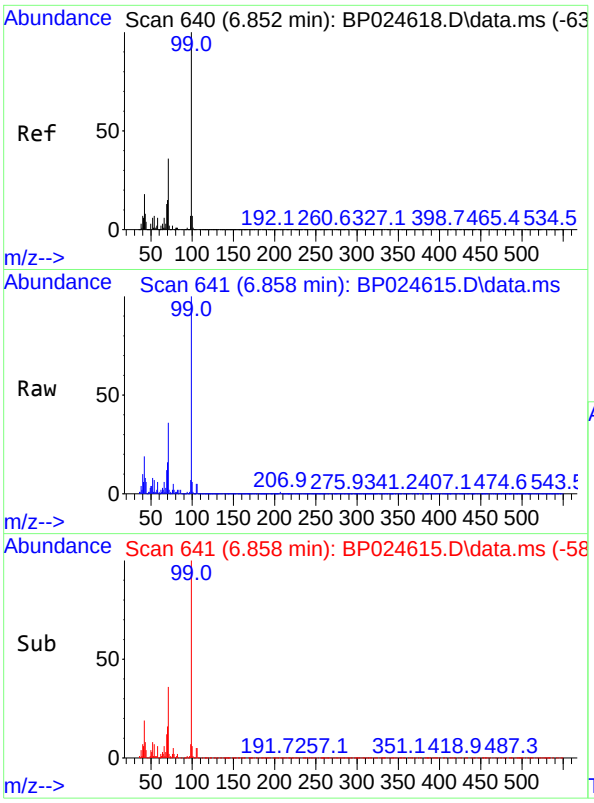


#6
Aniline
Concen: 4.45 ng
RT: 7.011 min Scan# 667
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 93 Resp: 38664

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

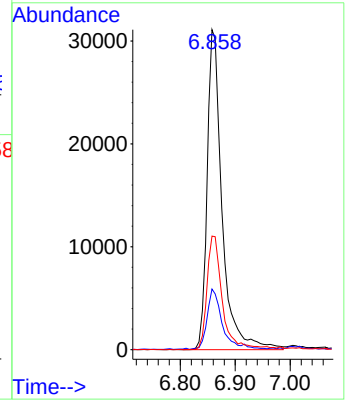




#7
Phenol-d6
Concen: 8.72 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 99 Resp: 5861

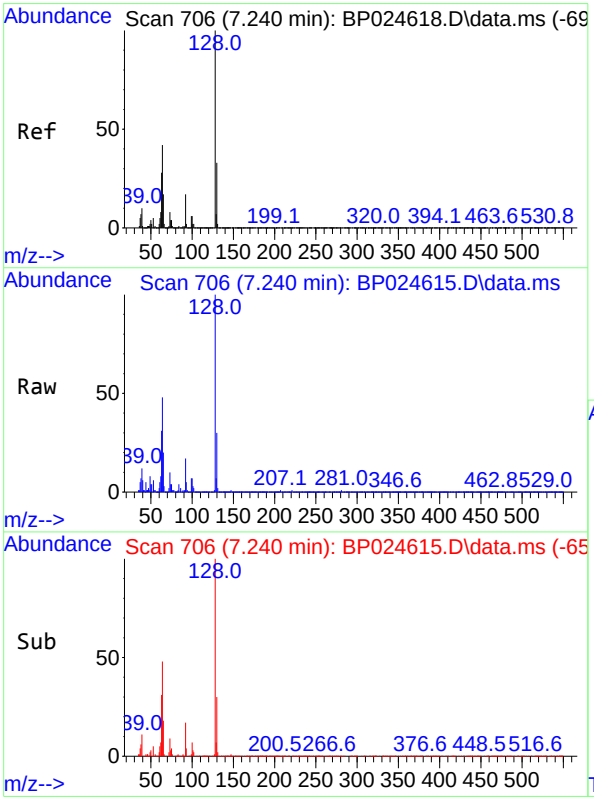
Ion	Ratio	Lower	Upper
99	100		
42	18.9	14.4	21.6
71	35.5	29.2	43.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

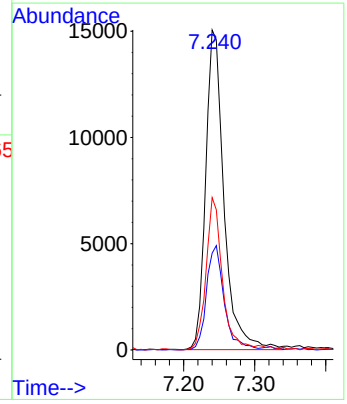
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

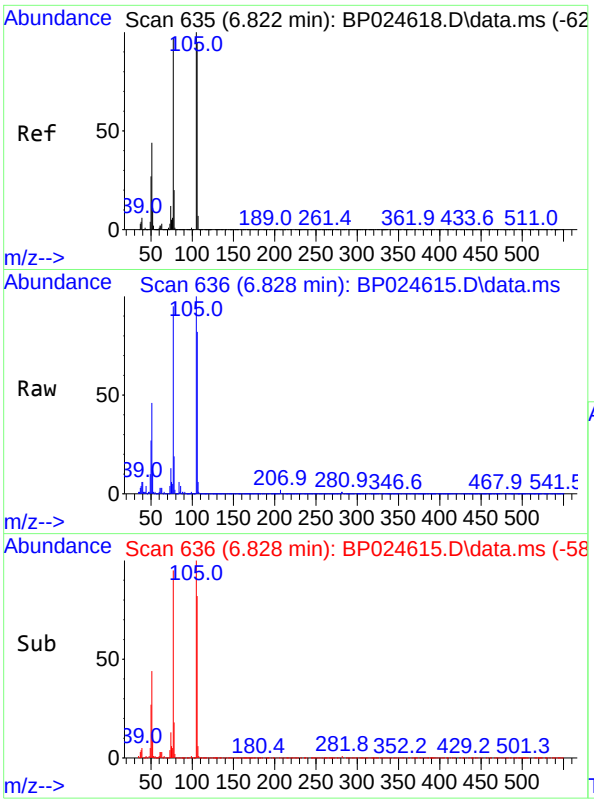


#8
2-Chlorophenol
Concen: 4.52 ng
RT: 7.240 min Scan# 706
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:128 Resp: 27022

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

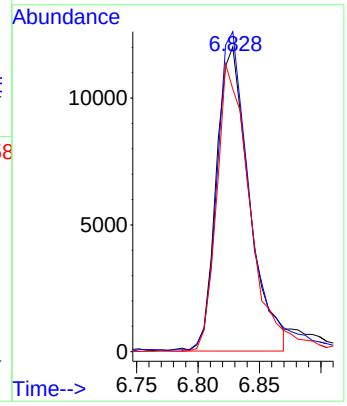




#9
Benzaldehyde
Concen: 5.14 ng m
RT: 6.828 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 77 Resp: 2232

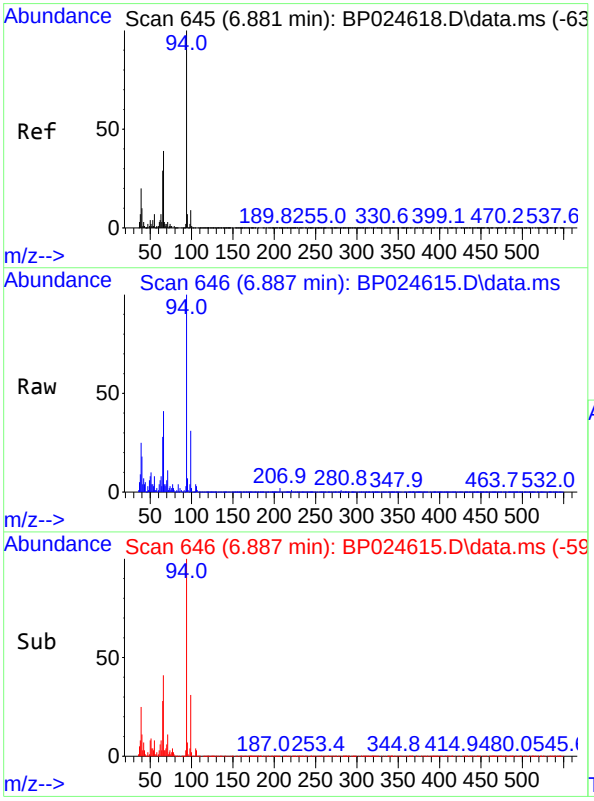
Ion	Ratio	Lower	Upper
77	100		
105	105.0	83.3	123.3
106	86.1	78.0	118.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

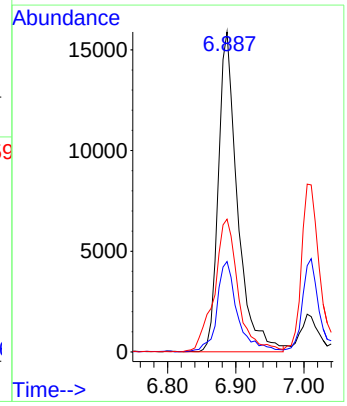
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

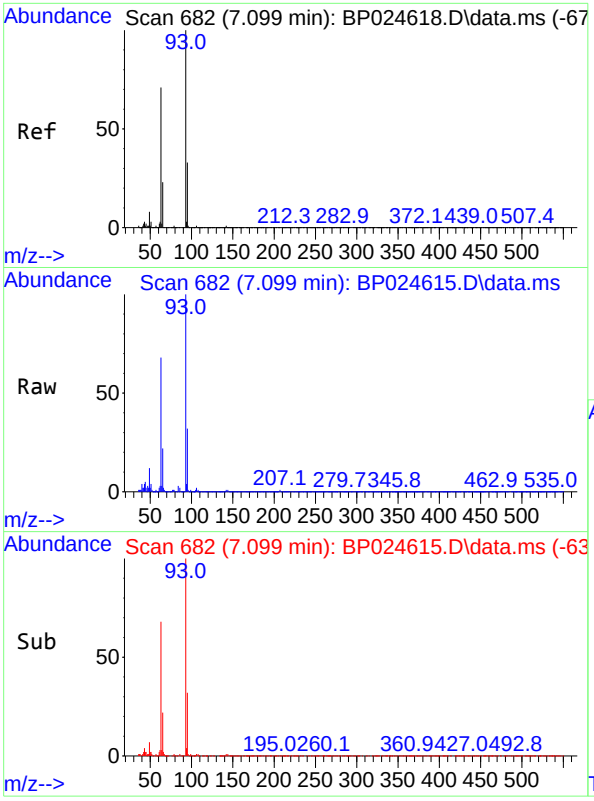


#10
Phenol
Concen: 4.46 ng
RT: 6.887 min Scan# 646
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 94 Resp: 30912

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

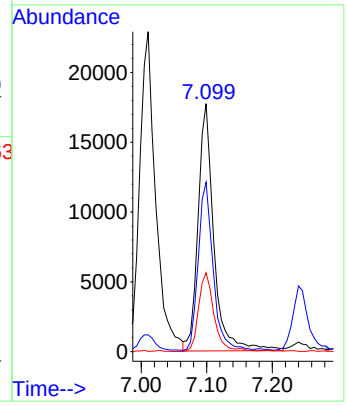




#11
bis(2-Chloroethyl)ether
Concen: 5.20 ng
RT: 7.099 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 93 Resp: 2966

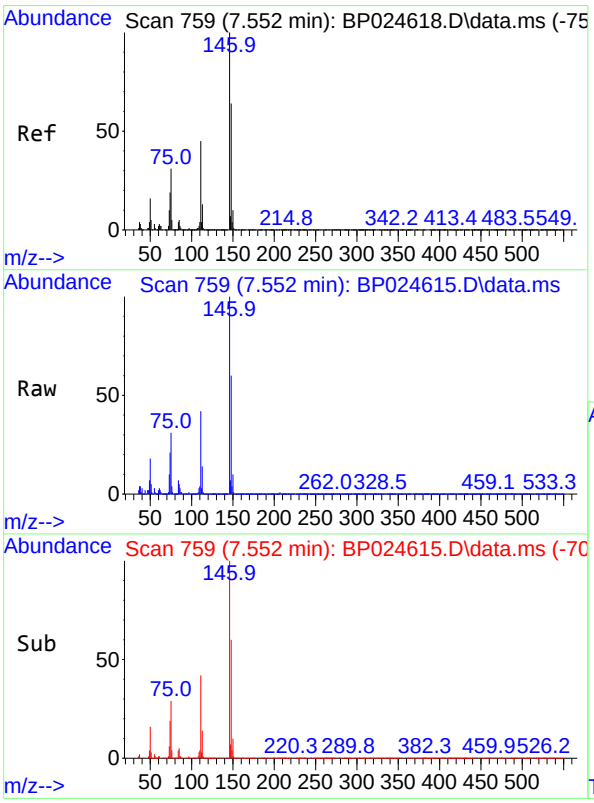
Ion	Ratio	Lower	Upper
93	100		
63	68.3	50.6	90.6
95	31.8	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

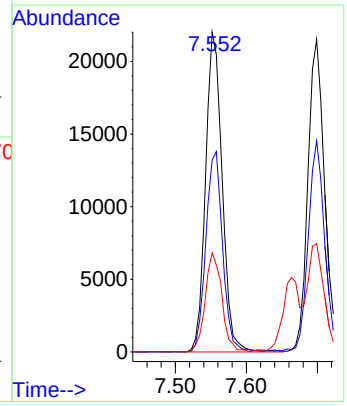
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

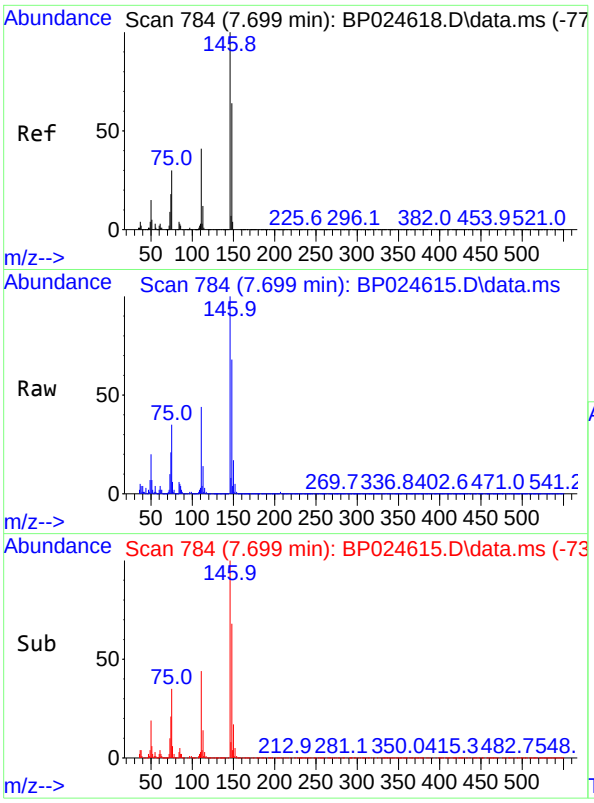


#12
1,3-Dichlorobenzene
Concen: 5.23 ng
RT: 7.552 min Scan# 759
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:146 Resp: 35946

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

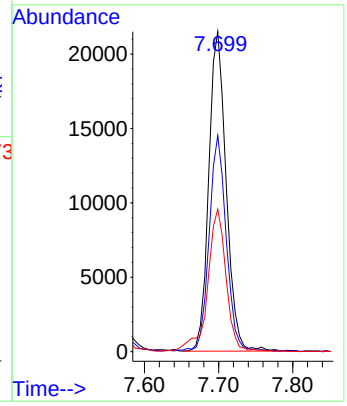




#13
1,4-Dichlorobenzene
Concen: 5.07 ng
RT: 7.699 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:146 Resp: 3509

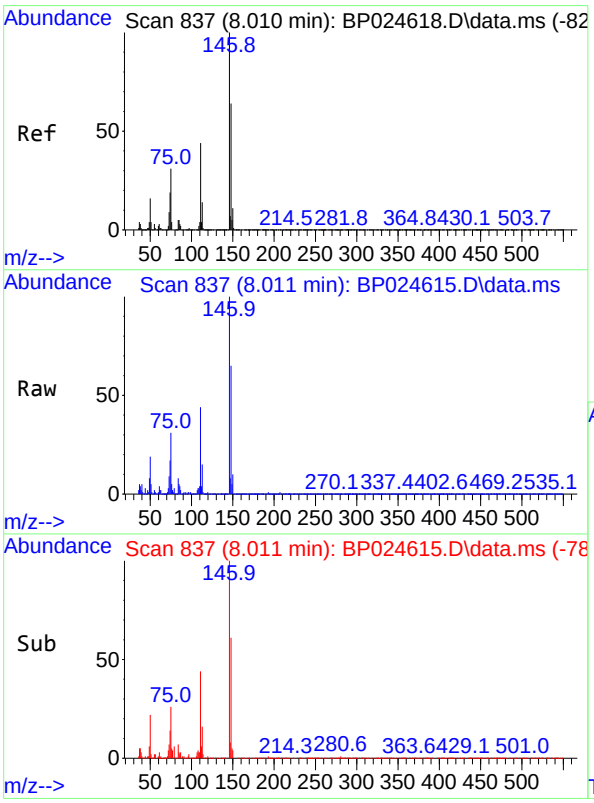
Ion	Ratio	Lower	Upper
146	100		
148	67.6	51.0	76.6
111	44.5	33.0	49.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

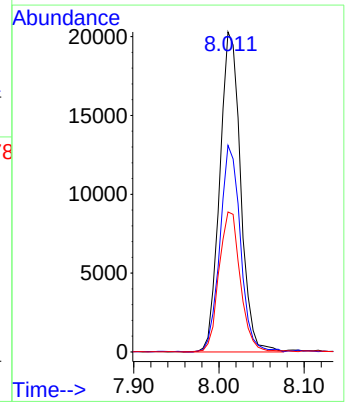
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

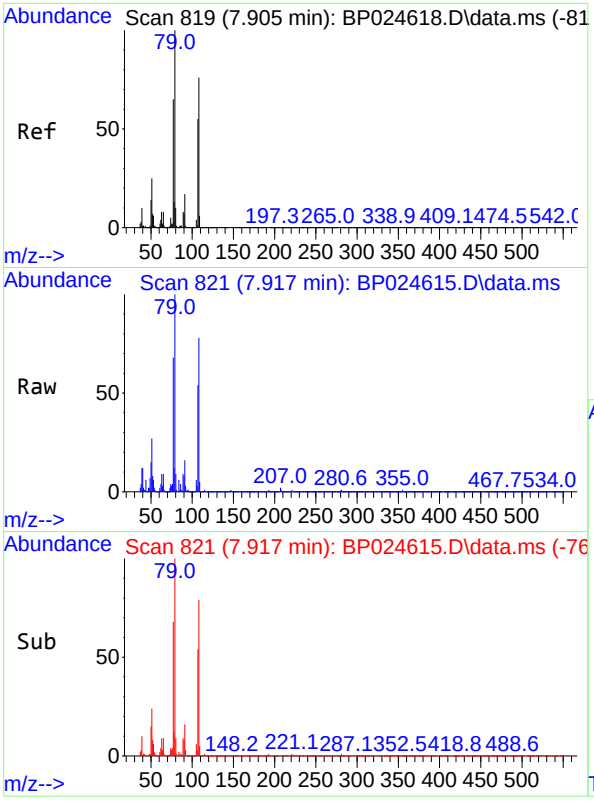


#14
1,2-Dichlorobenzene
Concen: 5.11 ng
RT: 8.011 min Scan# 837
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:146 Resp: 34458

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

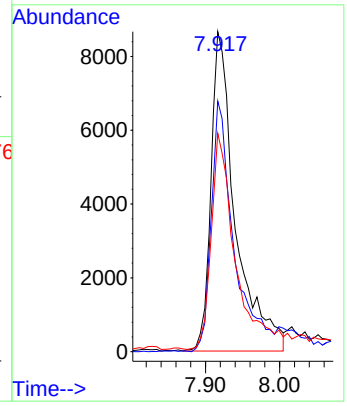




#15
Benzyl Alcohol
Concen: 3.89 ng
RT: 7.917 min Scan# 8
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 79 Resp: 1988

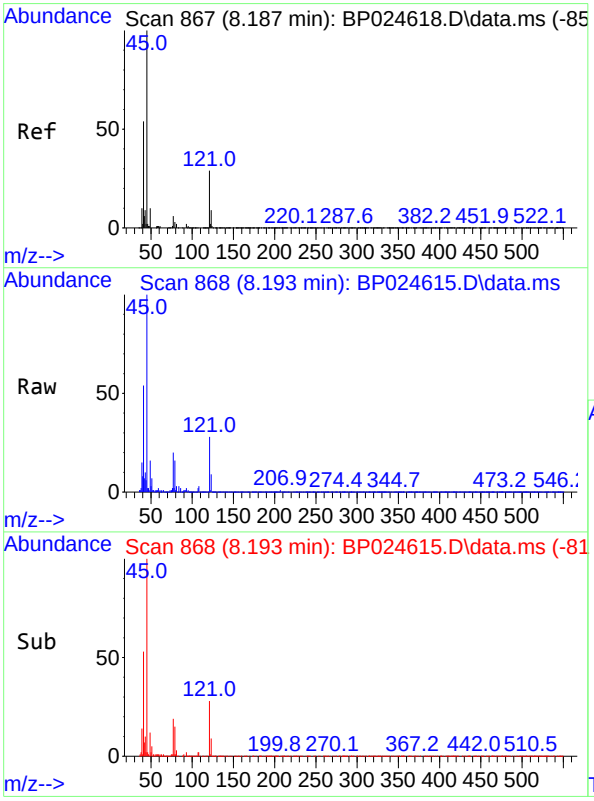
Ion	Ratio	Lower	Upper
79	100		
108	78.3	60.8	91.2
77	68.2	51.9	77.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

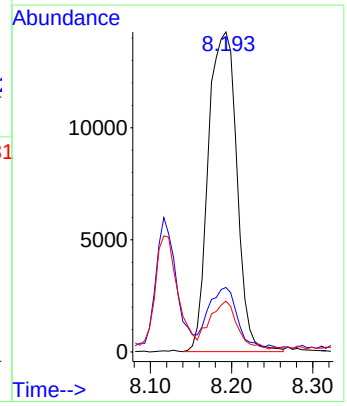
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

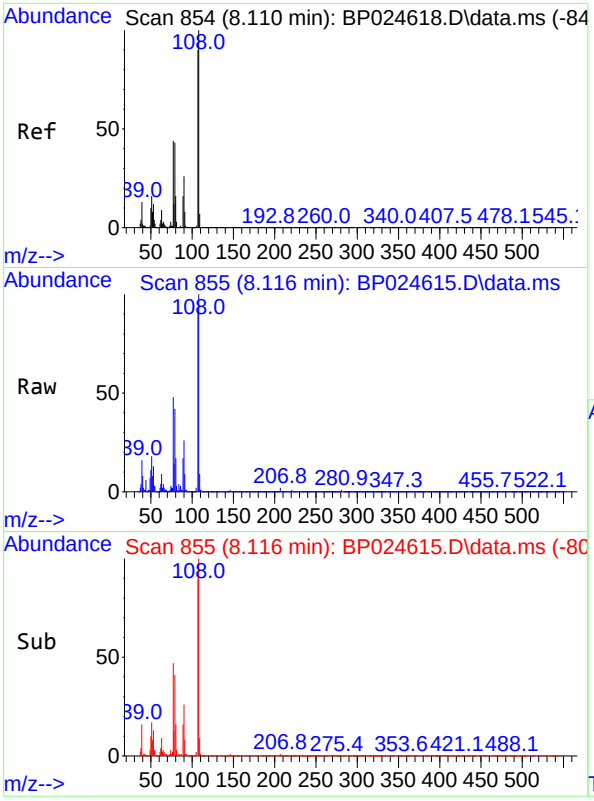


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.09 ng
RT: 8.193 min Scan# 868
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 45 Resp: 34754

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

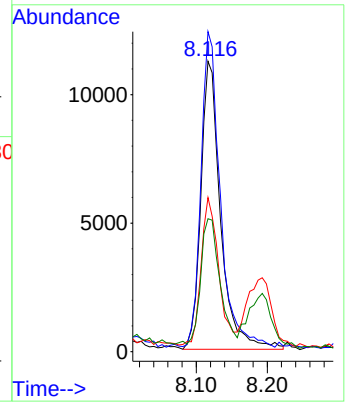




#17
2-Methylphenol
Concen: 4.37 ng
RT: 8.116 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:107 Resp: 2175

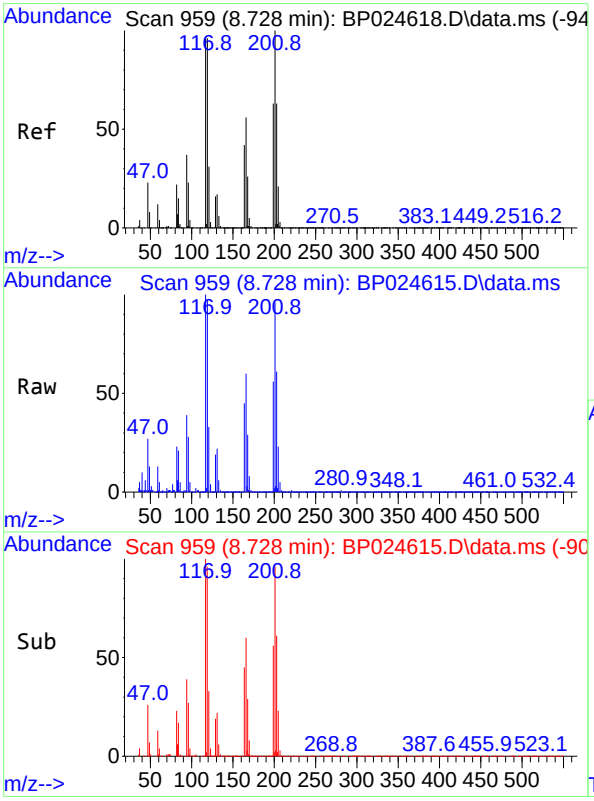
Ion	Ratio	Lower	Upper
107	100		
108	110.2	88.9	133.3
77	53.0	39.0	58.6
79	45.8	38.4	57.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

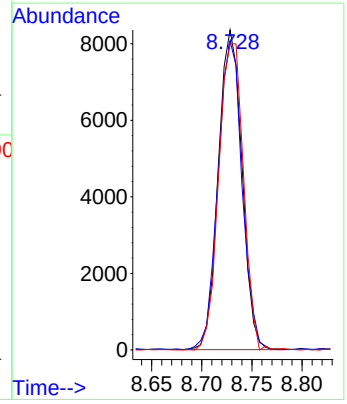
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

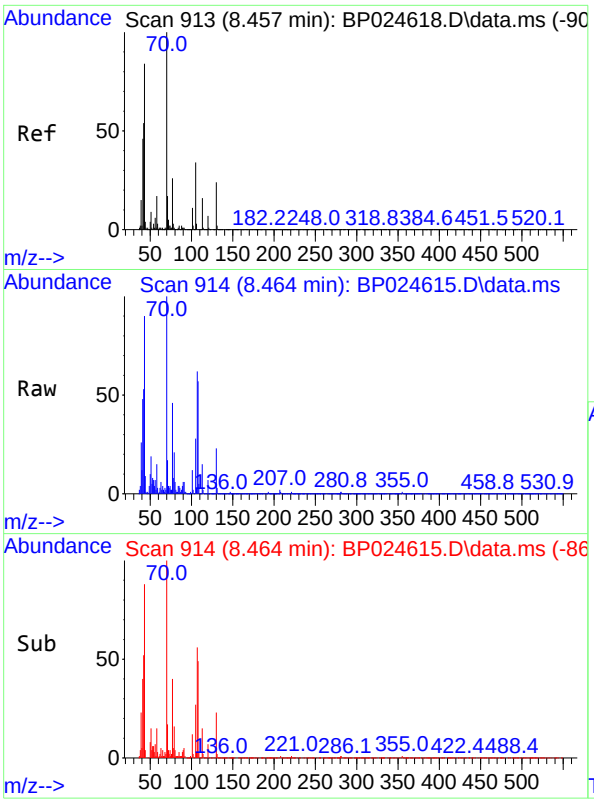


#18
Hexachloroethane
Concen: 5.15 ng
RT: 8.728 min Scan# 959
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:117 Resp: 13650

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

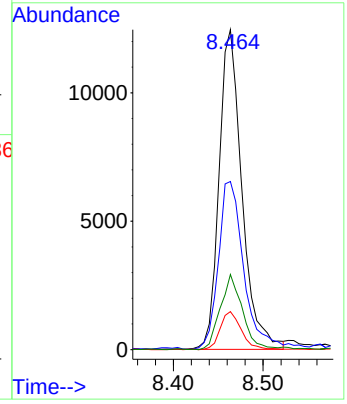




#19
n-Nitroso-di-n-propylamine
Concen: 4.73 ng
RT: 8.464 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 70 Resp: 2201

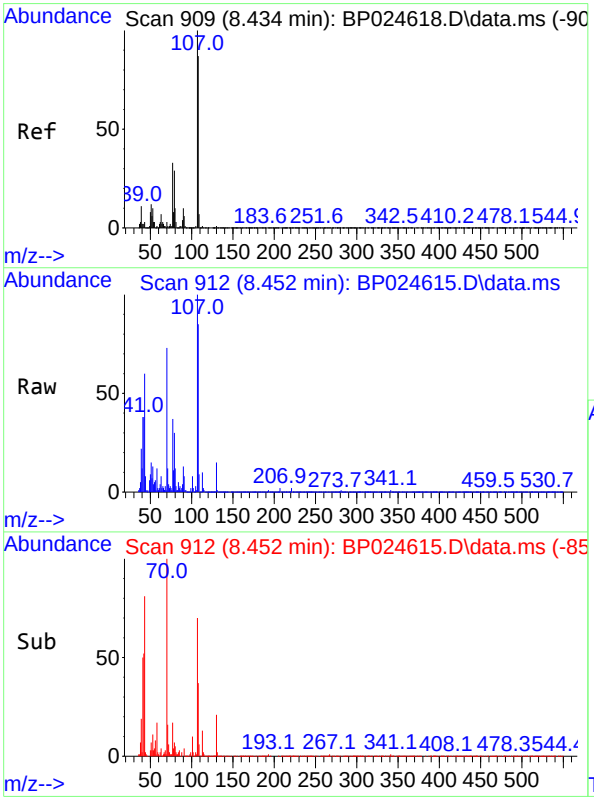
Ion	Ratio	Lower	Upper
70	100		
42	52.6	43.0	64.6
101	11.9	8.7	13.1
130	23.5	19.4	29.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

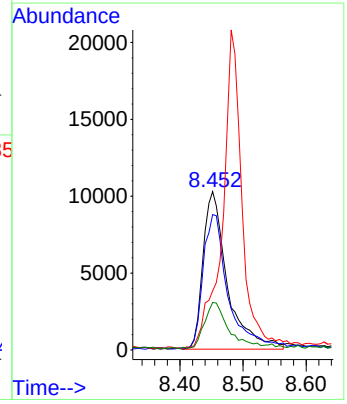
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

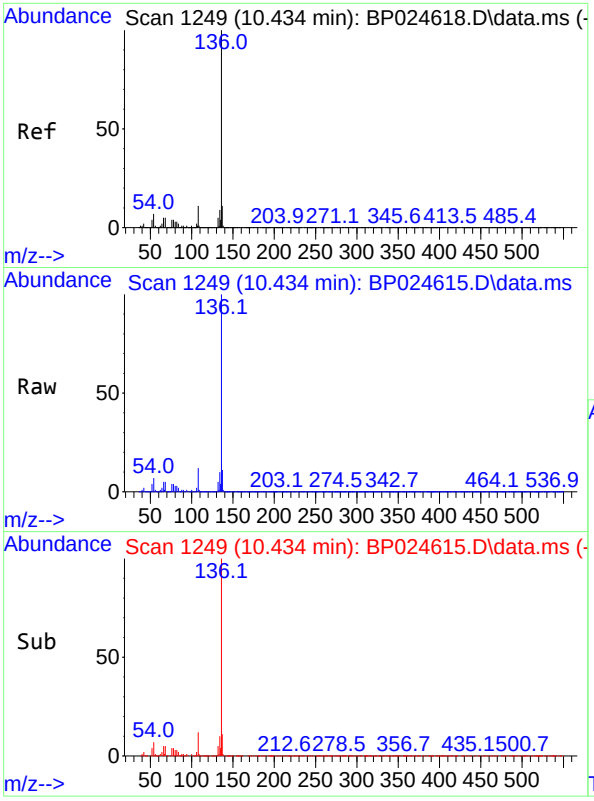


#20
3+4-Methylphenols
Concen: 4.06 ng
RT: 8.452 min Scan# 912
Delta R.T. 0.018 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:107 Resp: 27500

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

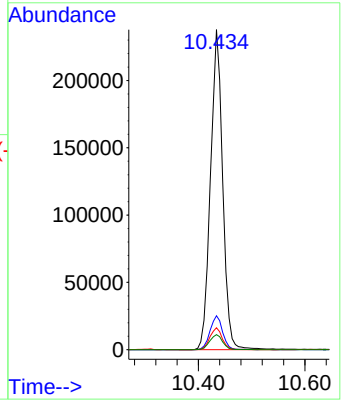




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:136 Resp: 37805

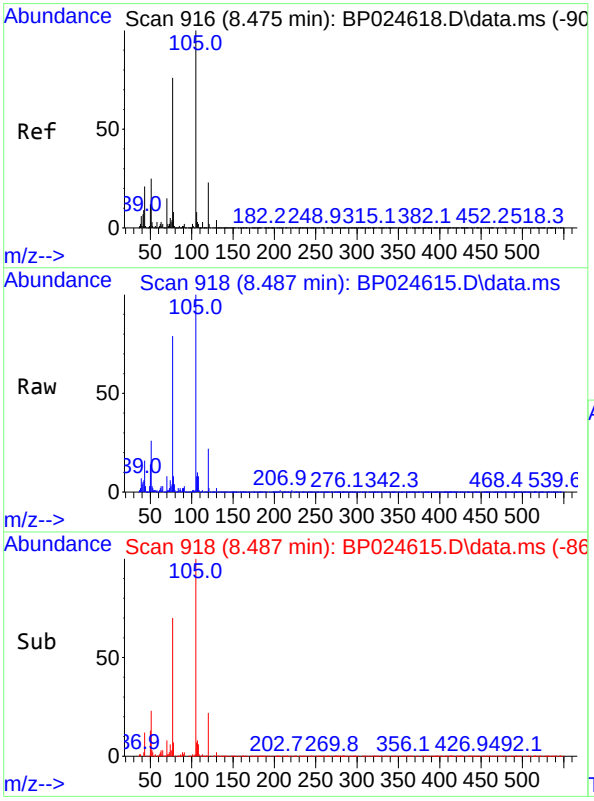
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	6.8	5.5	8.3
68	4.7	4.2	6.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

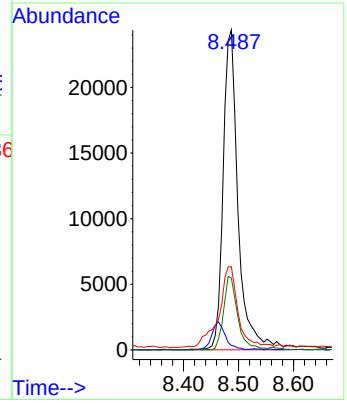
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

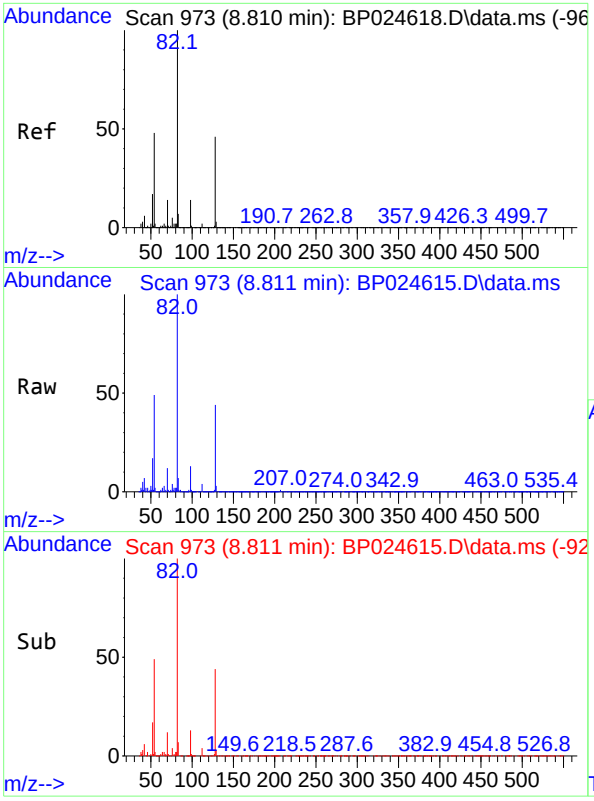


#22
Acetophenone
Concen: 4.87 ng
RT: 8.487 min Scan# 918
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:105 Resp: 45968

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

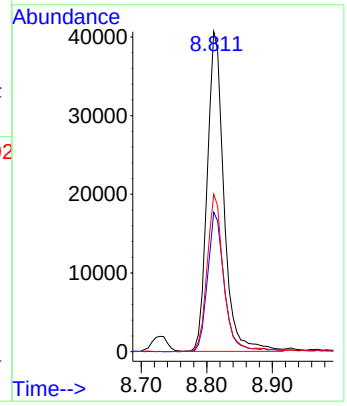




#23
Nitrobenzene-d5
Concen: 9.63 ng
RT: 8.811 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 82 Resp: 7205

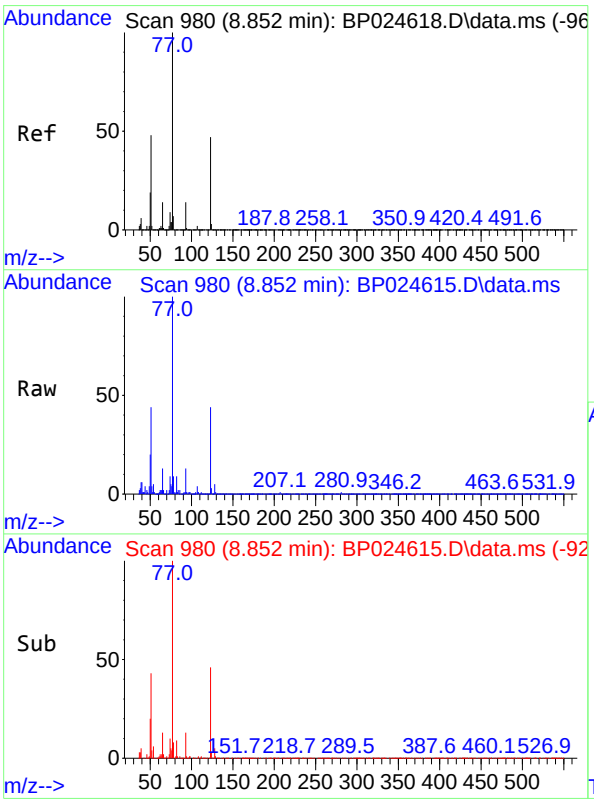
Ion	Ratio	Lower	Upper
82	100		
128	43.6	37.0	55.4
54	49.2	38.7	58.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

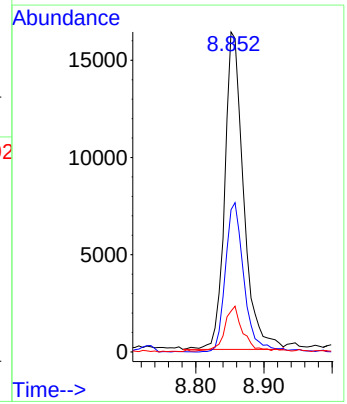
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

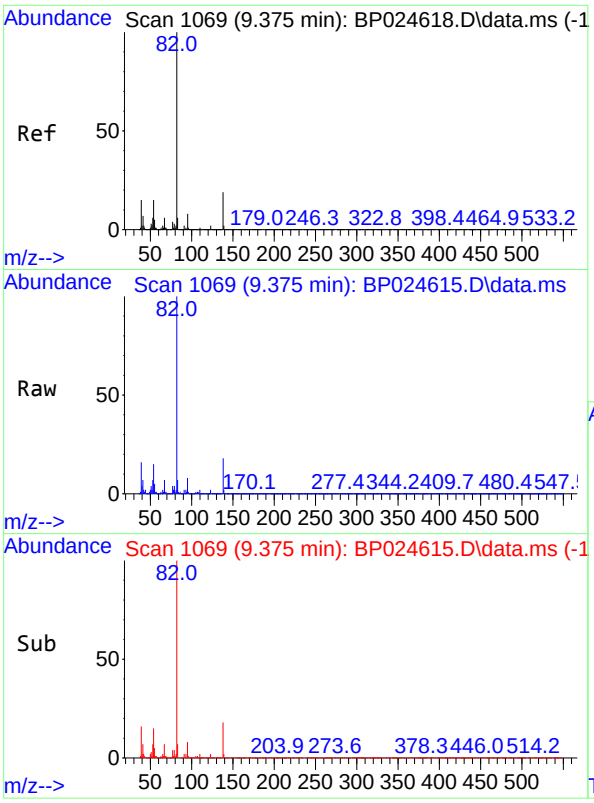


#24
Nitrobenzene
Concen: 4.78 ng
RT: 8.852 min Scan# 980
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 77 Resp: 31500

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

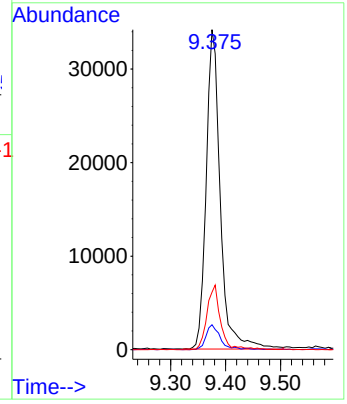




#25
Isophorone
Concen: 4.69 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 82 Resp: 6085

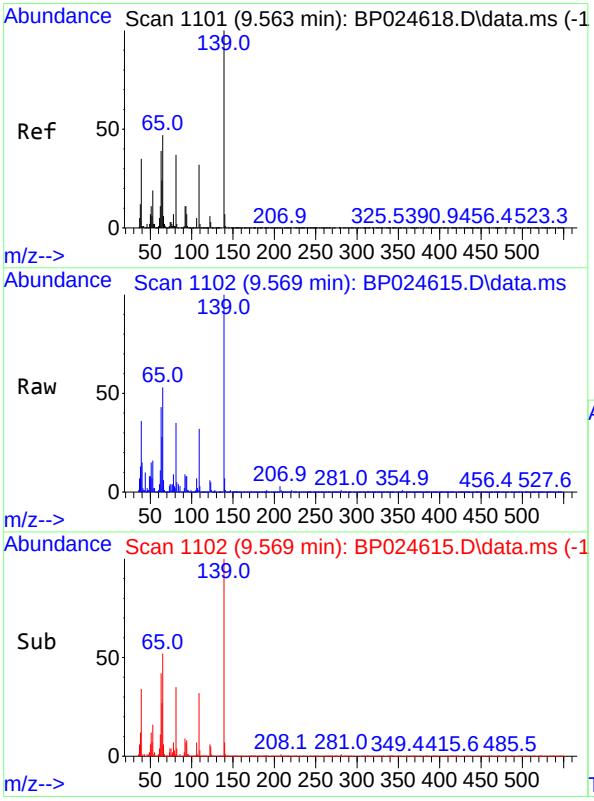
Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.3	9.5
138	17.9	15.3	22.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

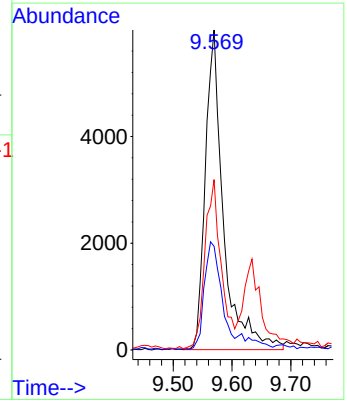
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

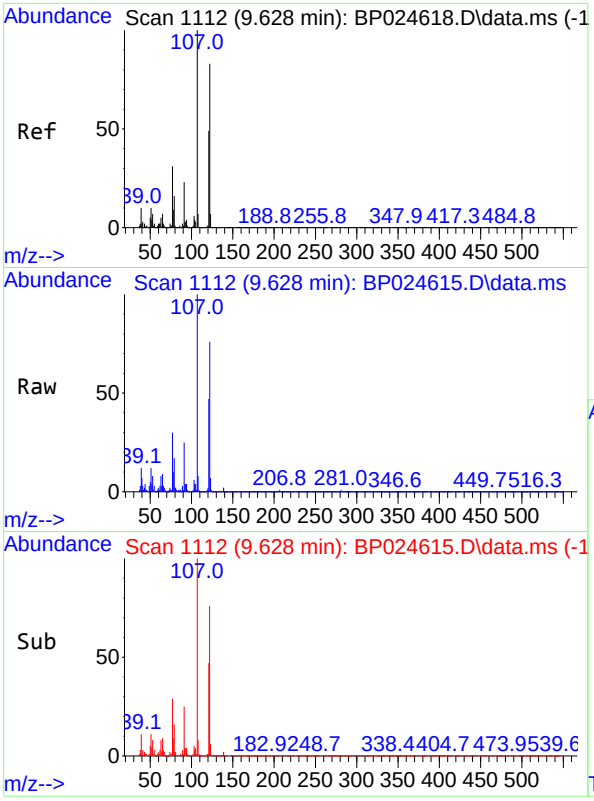


#26
2-Nitrophenol
Concen: 3.96 ng
RT: 9.569 min Scan# 1102
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:139 Resp: 12786

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

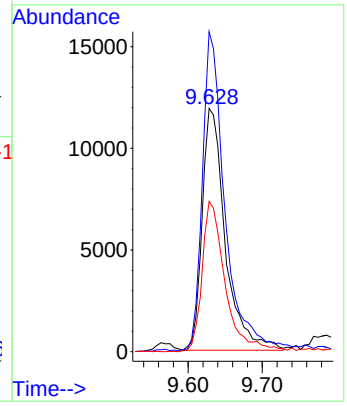




#27
2,4-Dimethylphenol
Concen: 4.54 ng
RT: 9.628 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:122 Resp: 2583

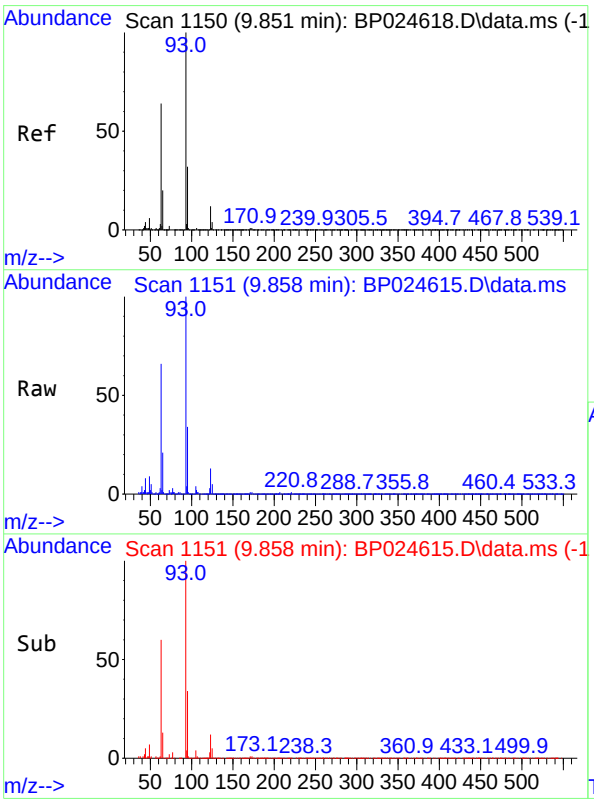
Ion	Ratio	Lower	Upper
122	100		
107	131.6	96.2	144.2
121	61.8	47.6	71.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

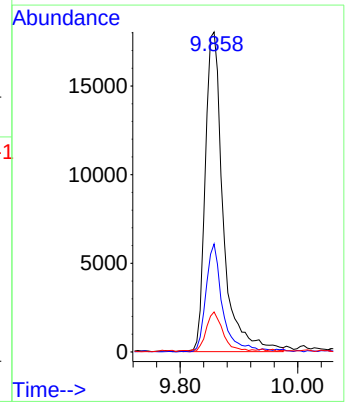
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

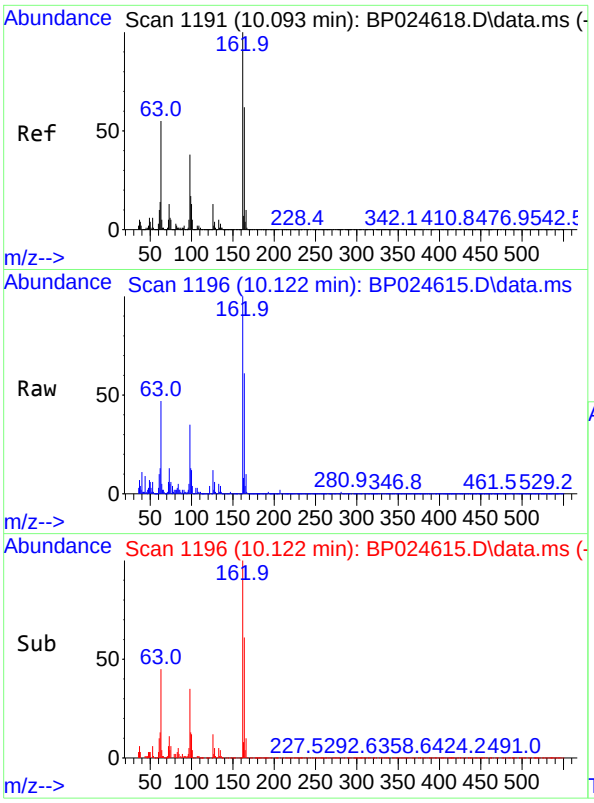


#28
bis(2-Chloroethoxy)methane
Concen: 4.91 ng
RT: 9.858 min Scan# 1151
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 93 Resp: 38071

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

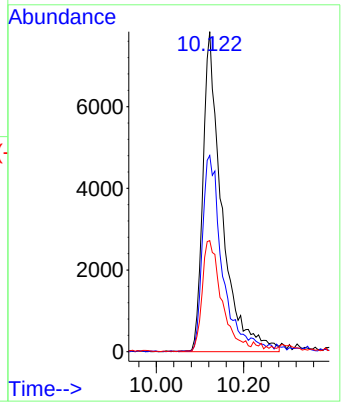




#29
2,4-Dichlorophenol
Concen: 4.29 ng
RT: 10.122 min Scan# 11
Delta R.T. 0.030 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:162 Resp: 2362

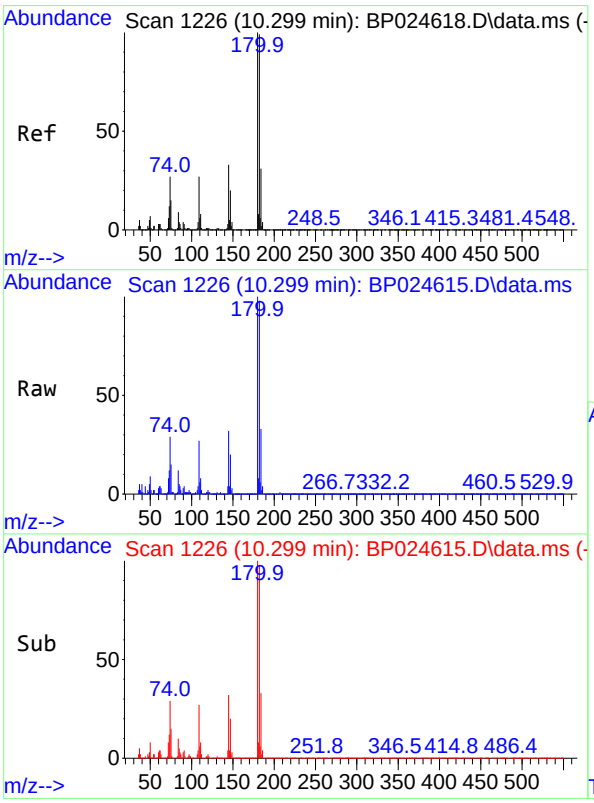
Ion	Ratio	Lower	Upper
162	100		
164	61.3	42.3	82.3
98	34.7	18.4	58.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

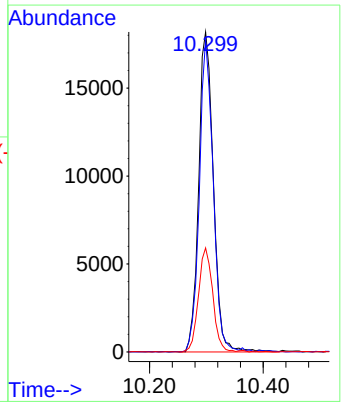
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

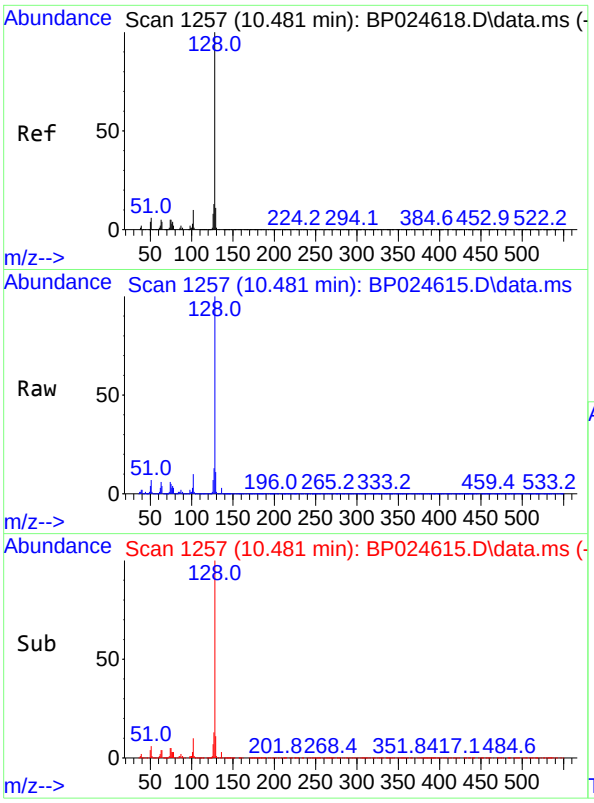


#30
1,2,4-Trichlorobenzene
Concen: 5.26 ng
RT: 10.299 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:180 Resp: 32699

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

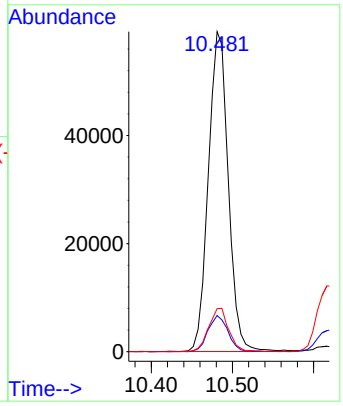




#31
Naphthalene
Concen: 5.13 ng
RT: 10.481 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:128 Resp: 10056

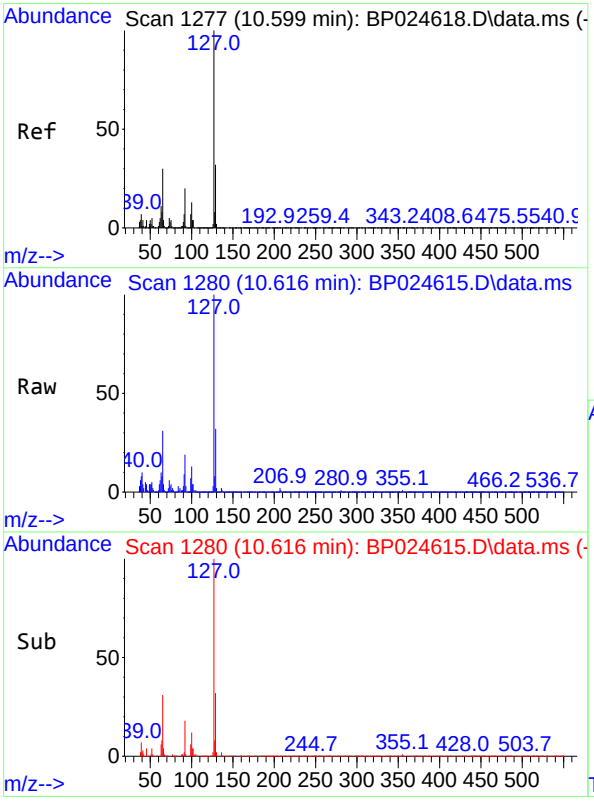
Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	13.5	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

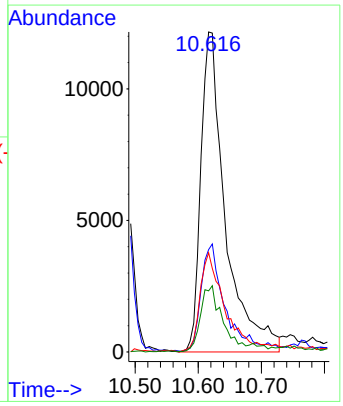
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

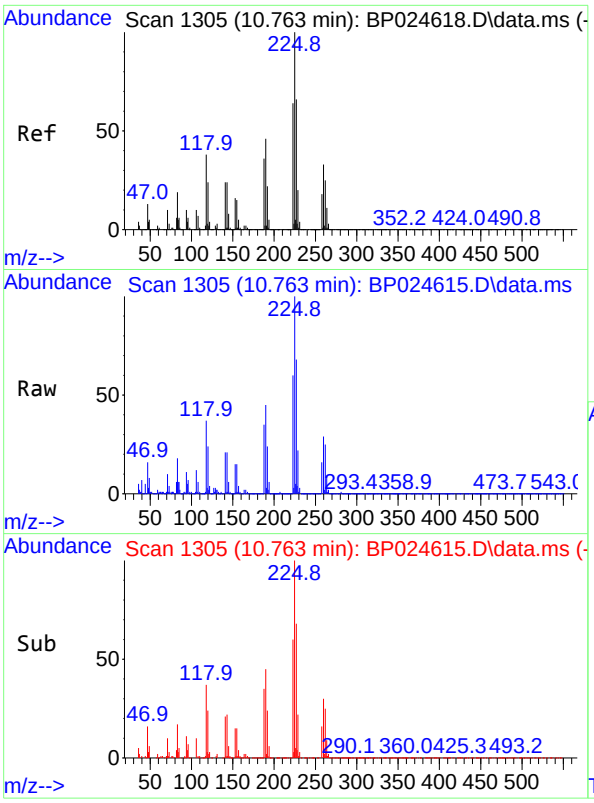


#33
4-Chloroaniline
Concen: 4.16 ng
RT: 10.616 min Scan# 1280
Delta R.T. 0.018 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:127 Resp: 32908

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

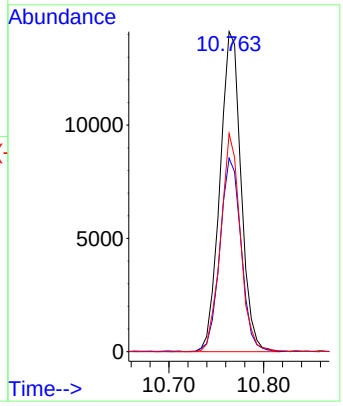




#34
Hexachlorobutadiene
Concen: 5.43 ng
RT: 10.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:225 Resp: 2183

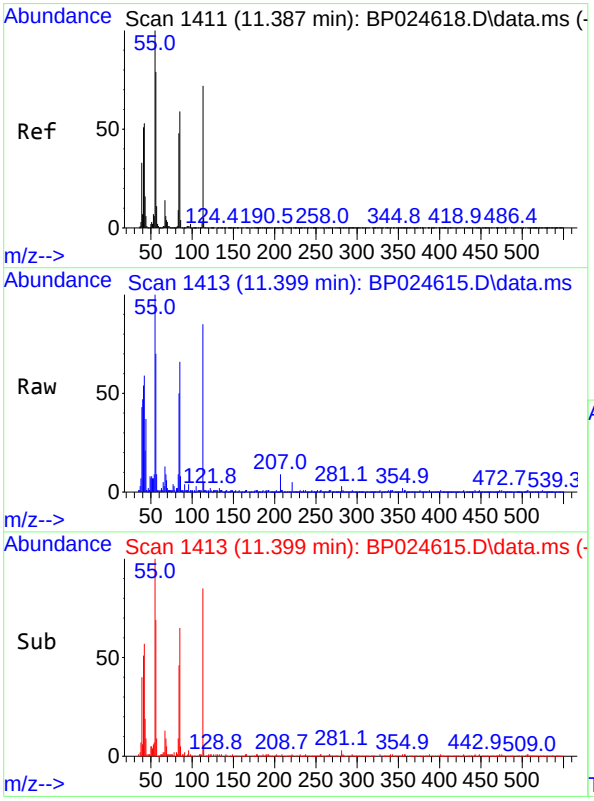
Ion	Ratio	Lower	Upper
225	100		
223	60.5	51.0	76.6
227	71.7	53.1	79.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

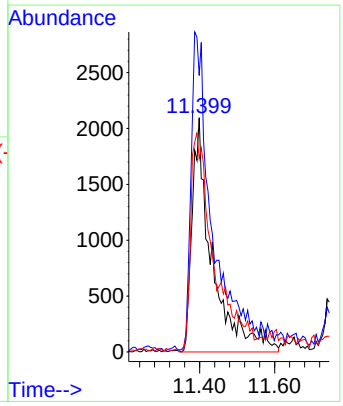
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

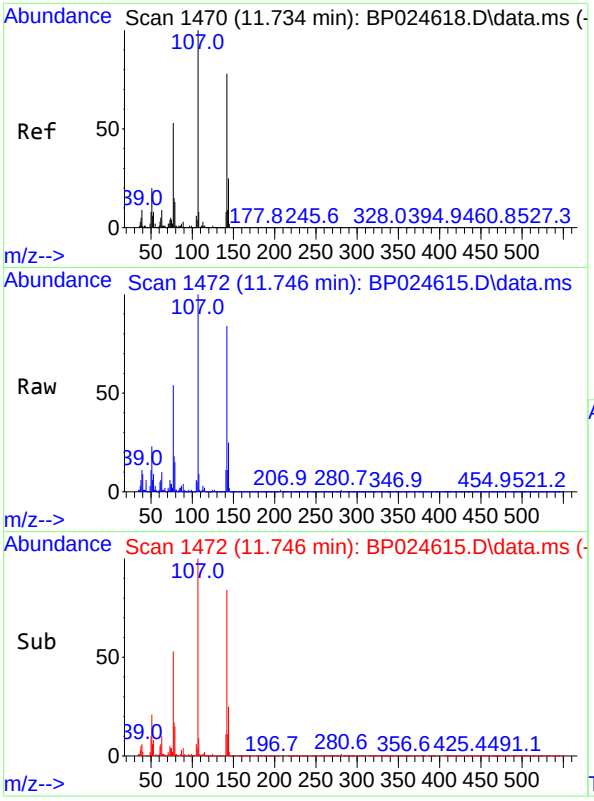


#35
Caprolactam
Concen: 3.88 ng m
RT: 11.399 min Scan# 1413
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:113 Resp: 7742

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

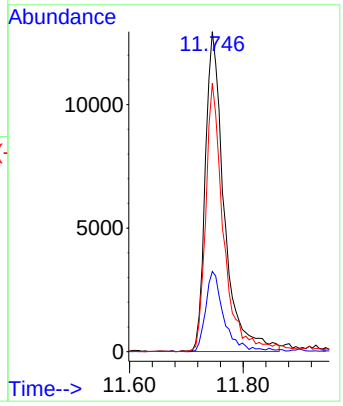




#36
4-Chloro-3-methylphenol
Concen: 4.44 ng
RT: 11.746 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:107 Resp: 2984

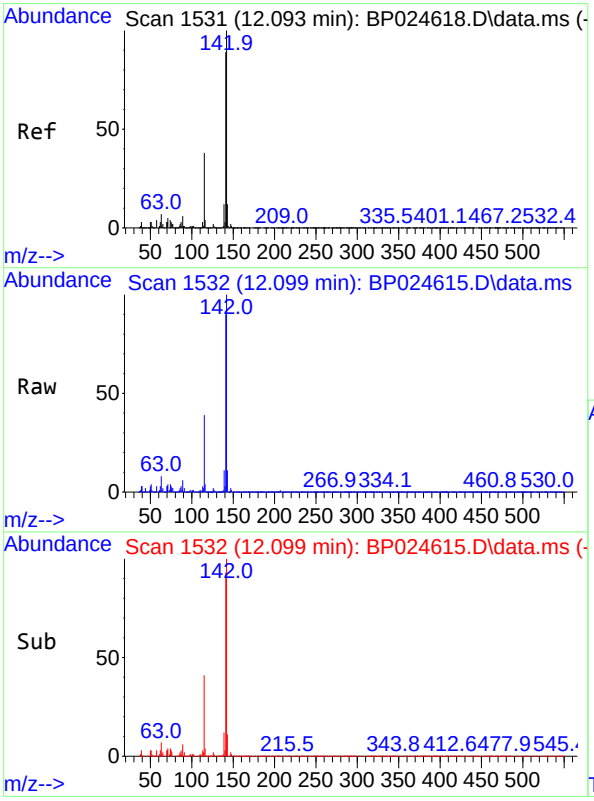
Ion	Ratio	Lower	Upper
107	100		
144	25.0	20.1	30.1
142	83.9	62.1	93.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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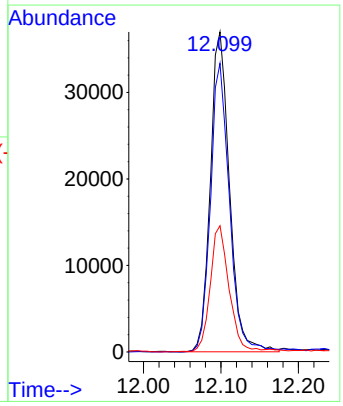
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

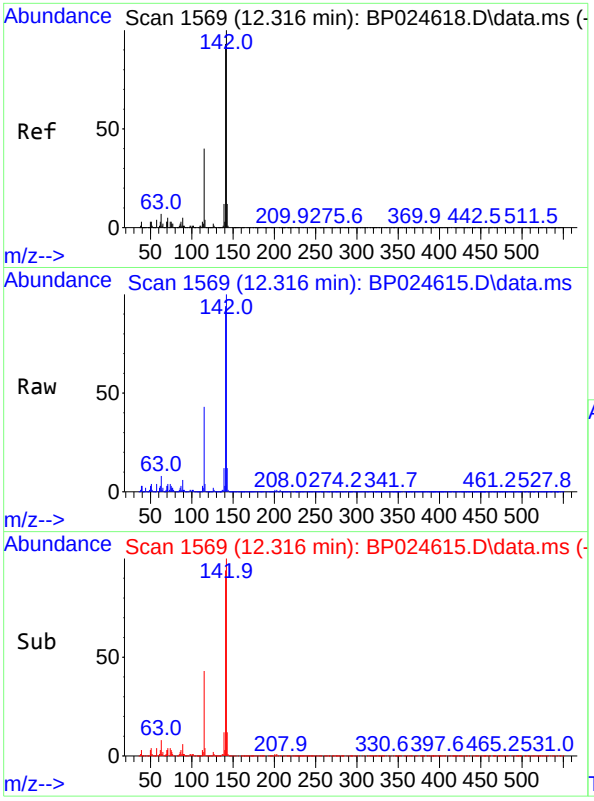


#37
2-Methylnaphthalene
Concen: 5.01 ng
RT: 12.099 min Scan# 1532
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:142 Resp: 63562

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





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

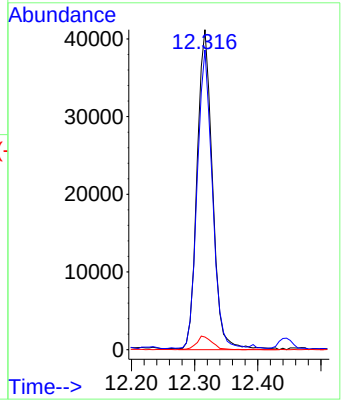
Tgt Ion:142 Resp: 7004

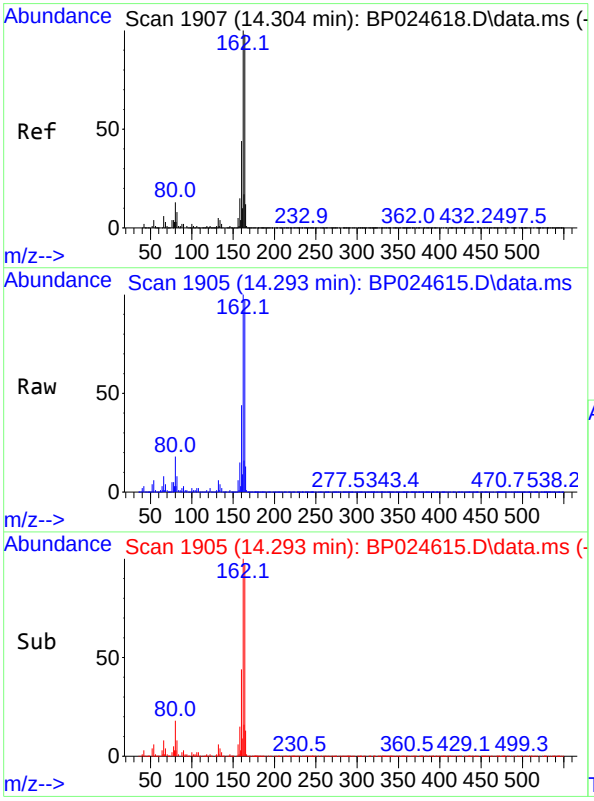
Ion	Ratio	Lower	Upper
142	100		
141	93.7	74.7	112.1
116	4.0	3.4	5.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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

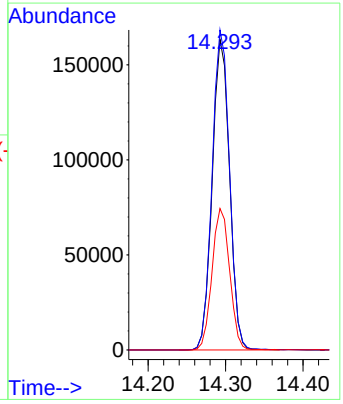


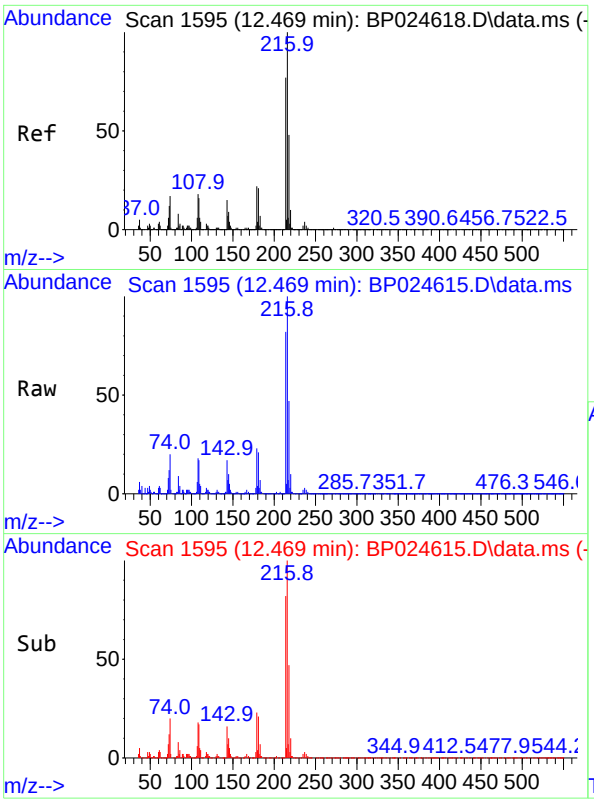


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.293 min Scan# 1905
Delta R.T. -0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:164 Resp: 254561

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

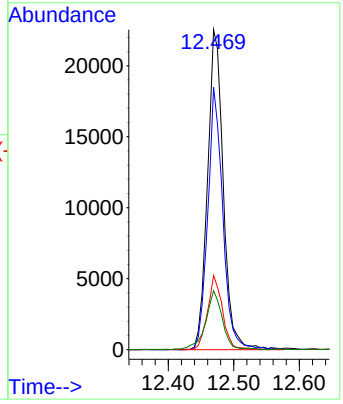




#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.11 ng
RT: 12.469 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:216 Resp: 3773

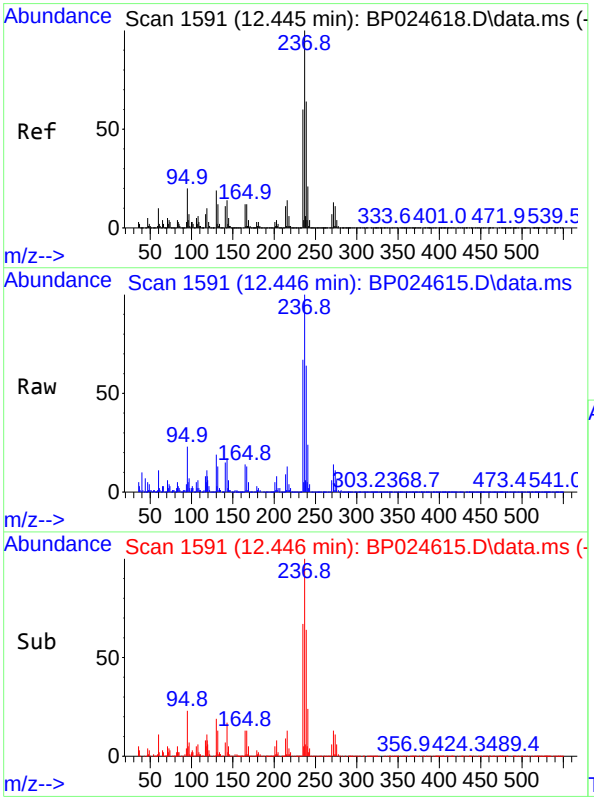
Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.3	93.5
179	22.0	17.7	26.5
108	19.0	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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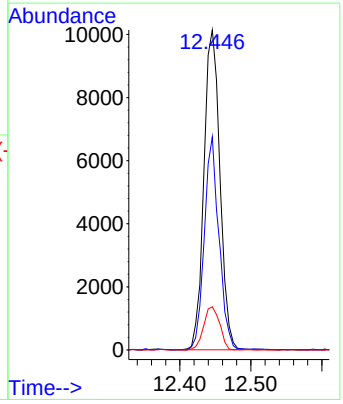
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

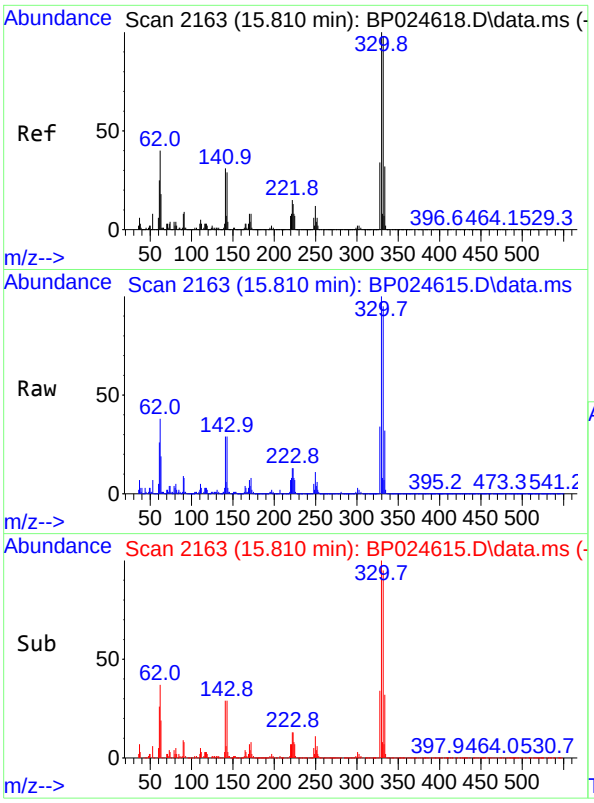


#41
Hexachlorocyclopentadiene
Concen: 3.56 ng
RT: 12.446 min Scan# 1591
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:237 Resp: 15939

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

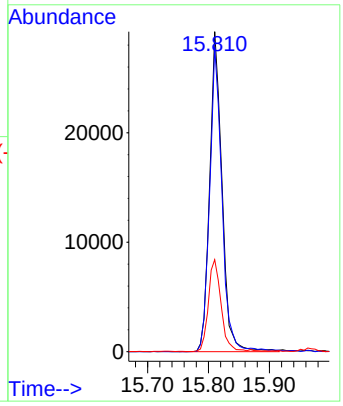




#42
2,4,6-Tribromophenol
Concen: 9.55 ng
RT: 15.810 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:330 Resp: 4121

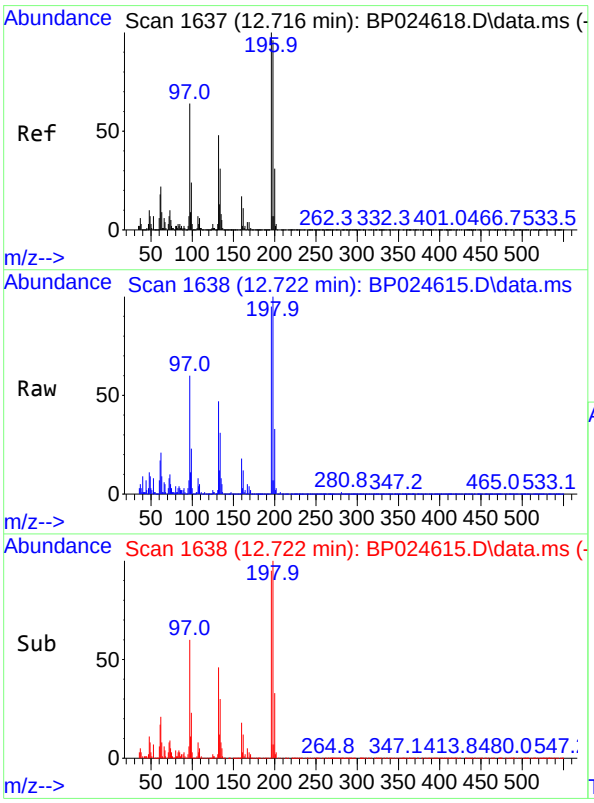
Ion	Ratio	Lower	Upper
330	100		
332	95.4	78.2	117.4
141	29.5	24.3	36.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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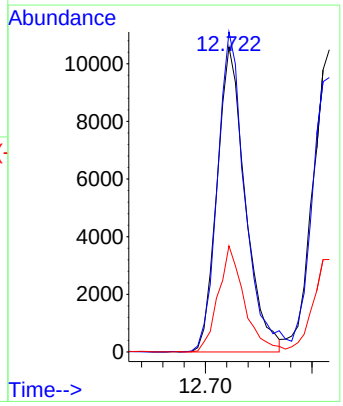
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

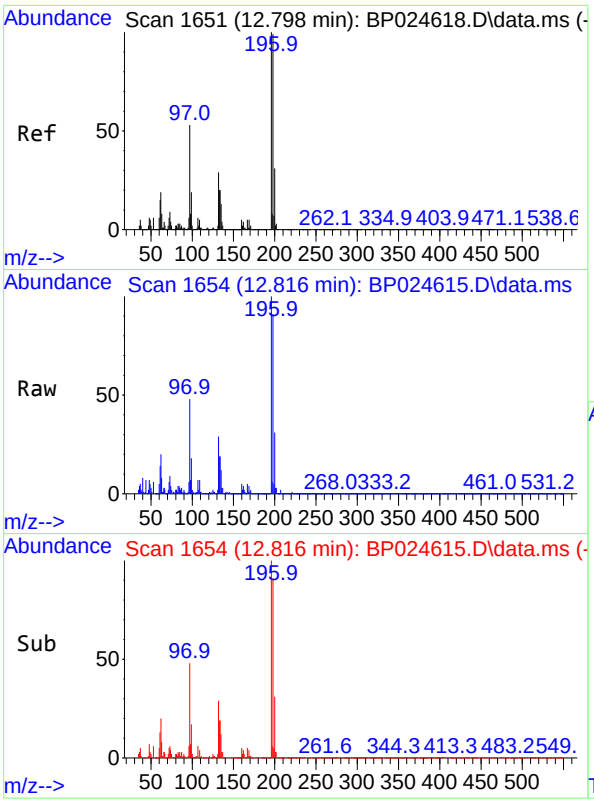


#43
2,4,6-Trichlorophenol
Concen: 4.06 ng
RT: 12.722 min Scan# 1638
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:196 Resp: 19429

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

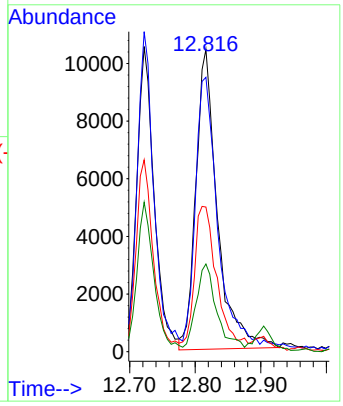




#44
2,4,5-Trichlorophenol
Concen: 4.49 ng
RT: 12.816 min Scan# 1
Delta R.T. 0.018 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:196 Resp: 2391

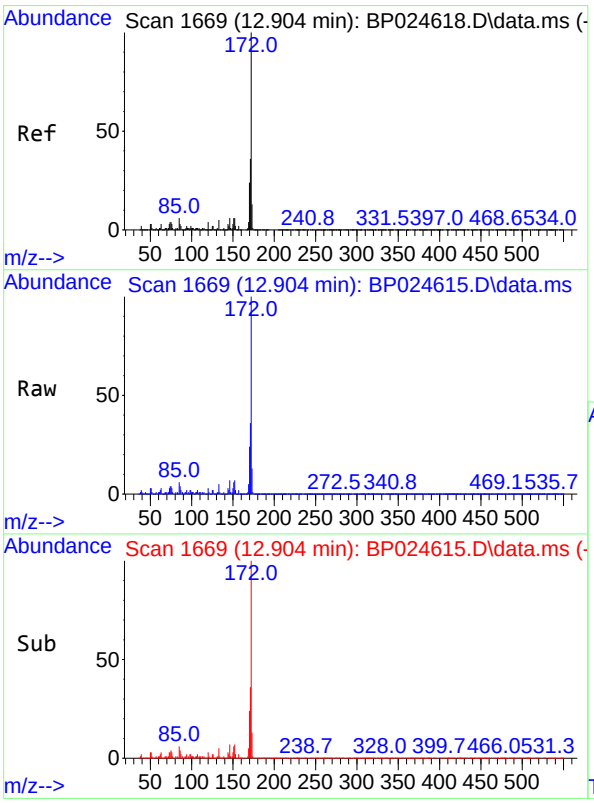
Ion	Ratio	Lower	Upper
196	100		
198	90.8	79.2	118.8
97	47.8	42.3	63.5
132	29.0	23.3	34.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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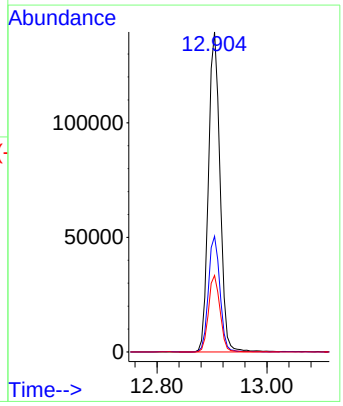
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

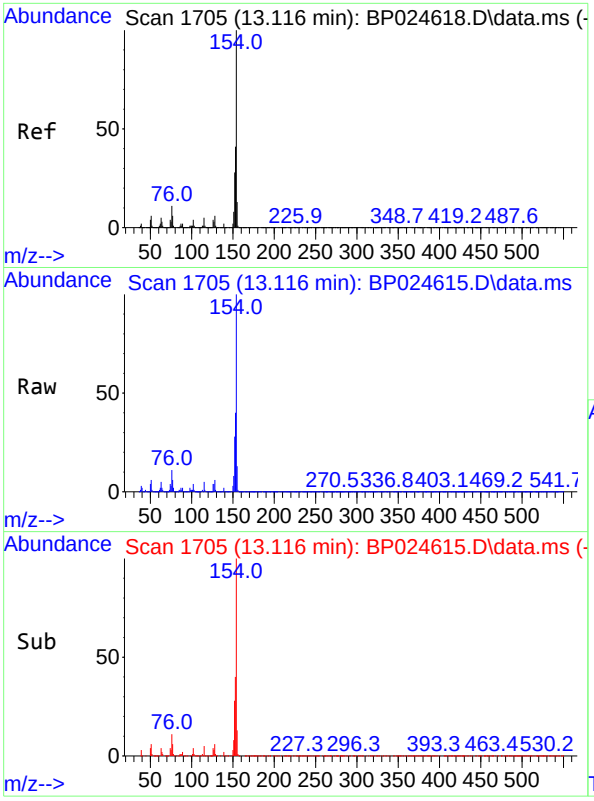


#45
2-Fluorobiphenyl
Concen: 10.48 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:172 Resp: 203719

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

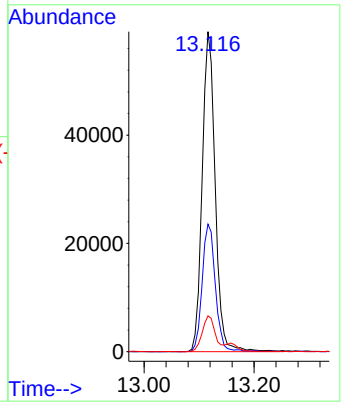




#46
1,1'-Biphenyl
Concen: 5.15 ng
RT: 13.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:154 Resp: 9695

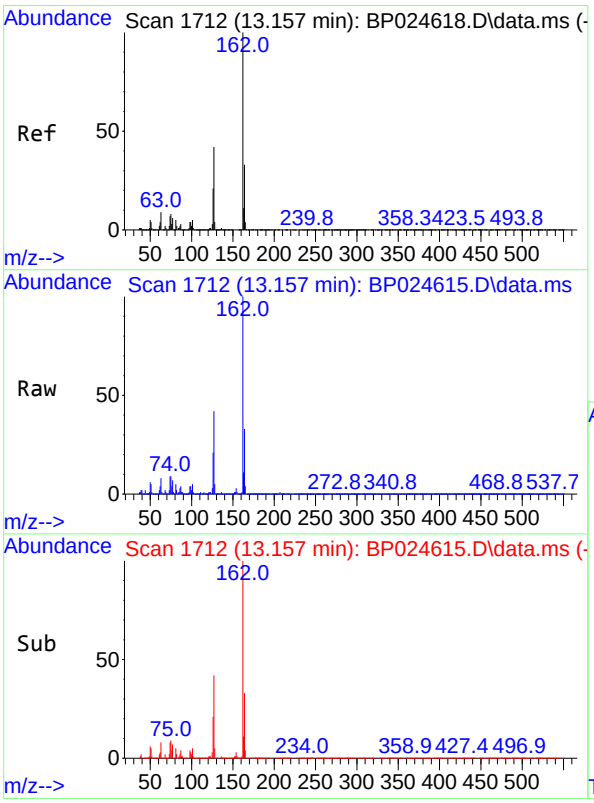
Ion	Ratio	Lower	Upper
154	100		
153	39.8	21.0	61.0
76	11.2	0.0	31.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

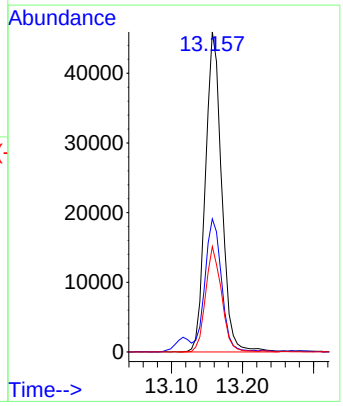
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

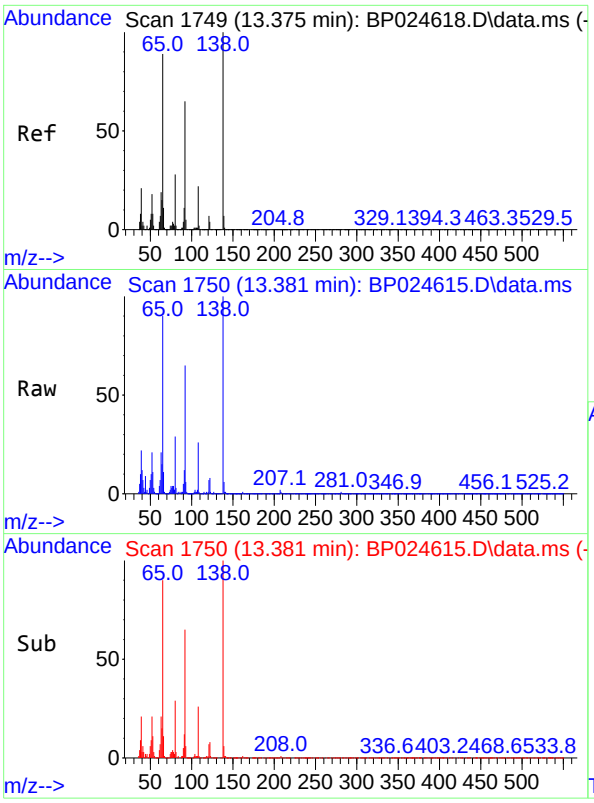


#47
2-Chloronaphthalene
Concen: 5.09 ng
RT: 13.157 min Scan# 1712
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:162 Resp: 72977

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

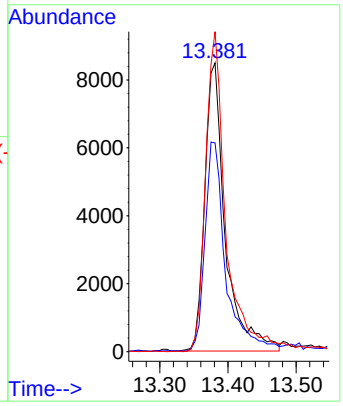




#48
2-Nitroaniline
Concen: 4.19 ng
RT: 13.381 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 65 Resp: 1777

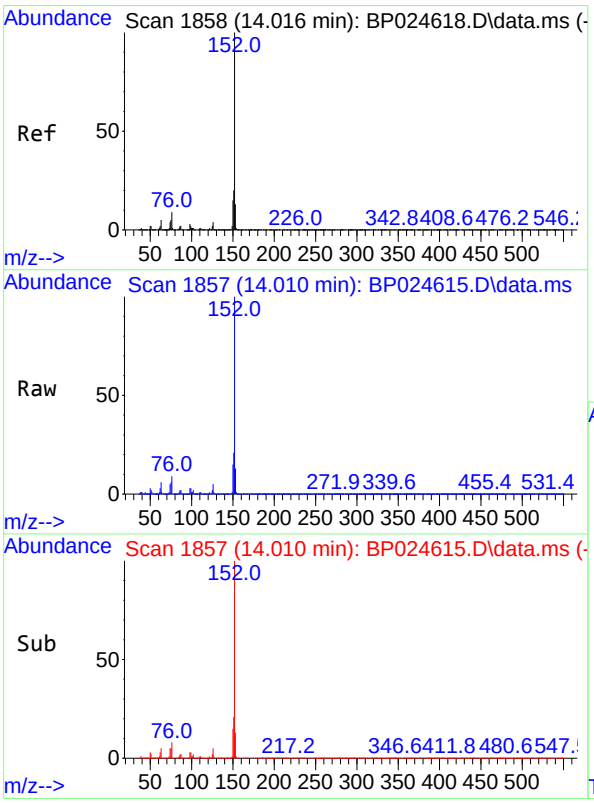
Ion	Ratio	Lower	Upper
65	100		
92	72.3	58.7	88.1
138	110.8	90.2	135.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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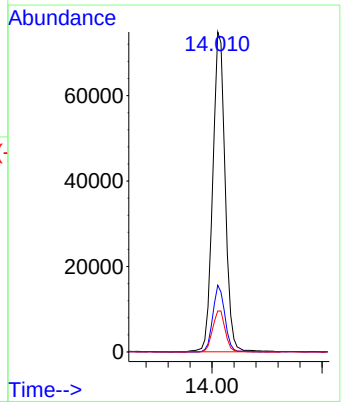
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

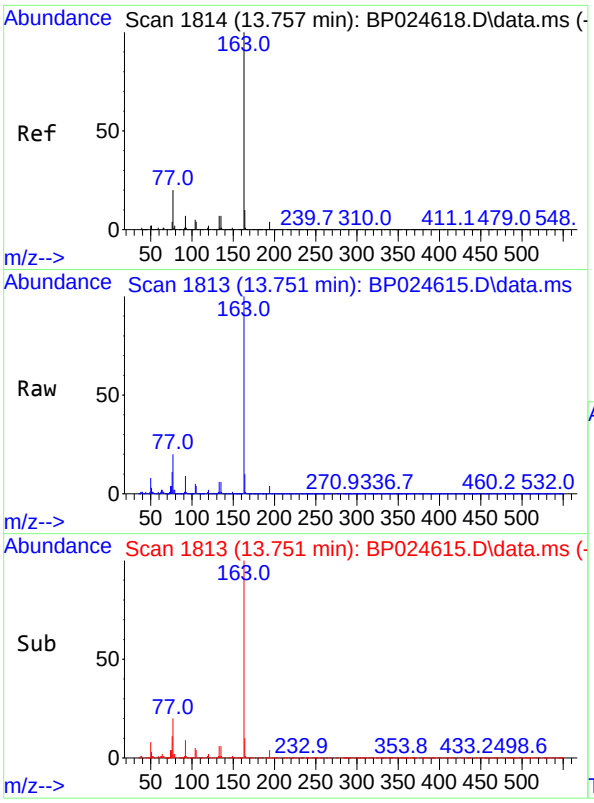


#49
Acenaphthylene
Concen: 4.89 ng
RT: 14.010 min Scan# 1857
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:152 Resp: 117448

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

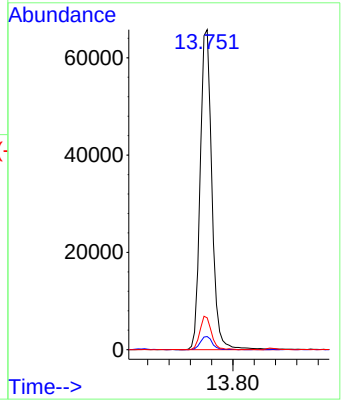




#50
Dimethylphthalate
Concen: 5.15 ng
RT: 13.751 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:163 Resp: 9994

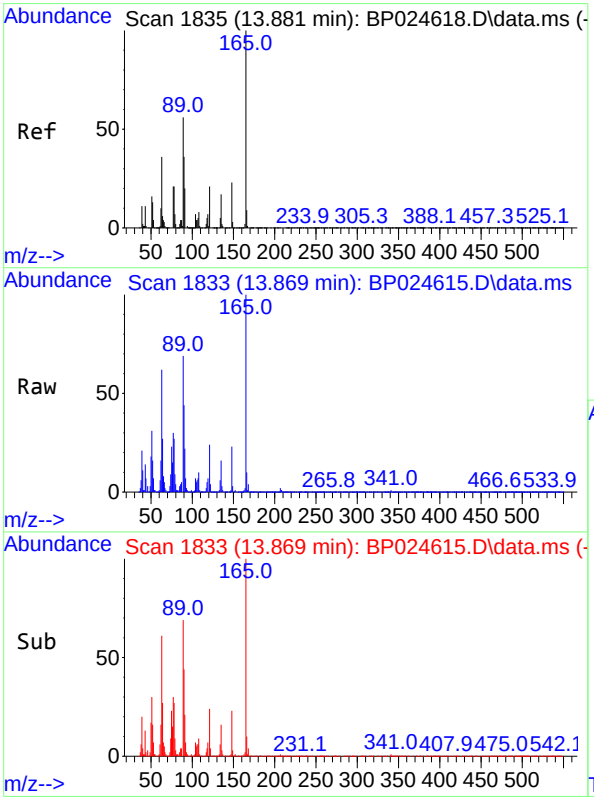
Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	9.9	8.1	12.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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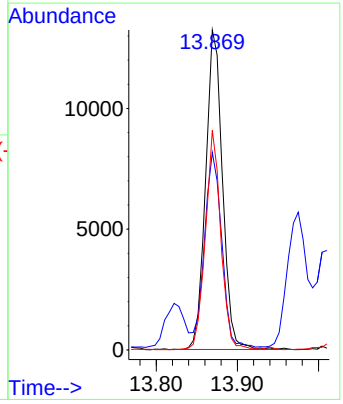
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

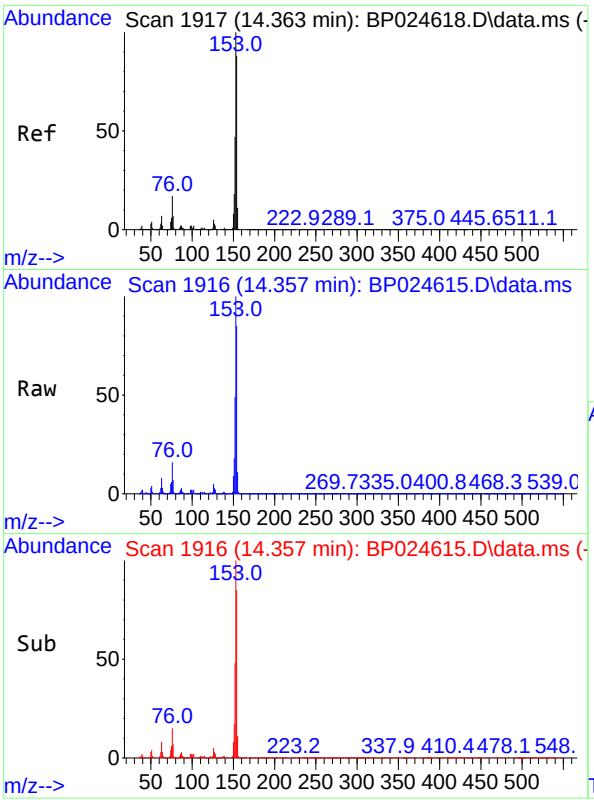


#51
2,6-Dinitrotoluene
Concen: 4.65 ng
RT: 13.869 min Scan# 1833
Delta R.T. -0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:165 Resp: 19052

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

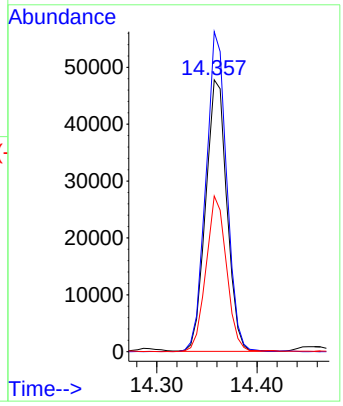




#52
Acenaphthene
Concen: 5.09 ng
RT: 14.357 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:154 Resp: 7030

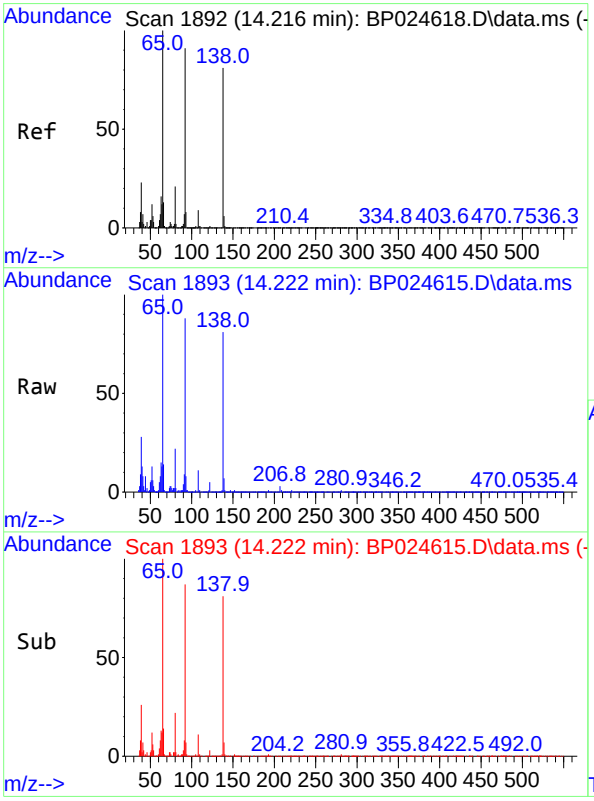
Ion	Ratio	Lower	Upper
154	100		
153	117.7	91.0	136.4
152	57.3	42.9	64.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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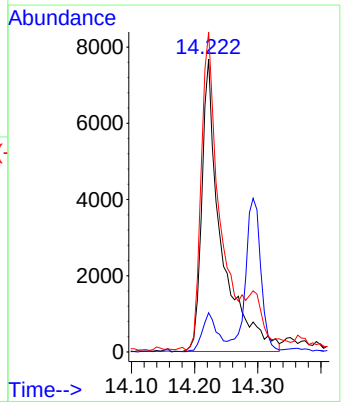
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

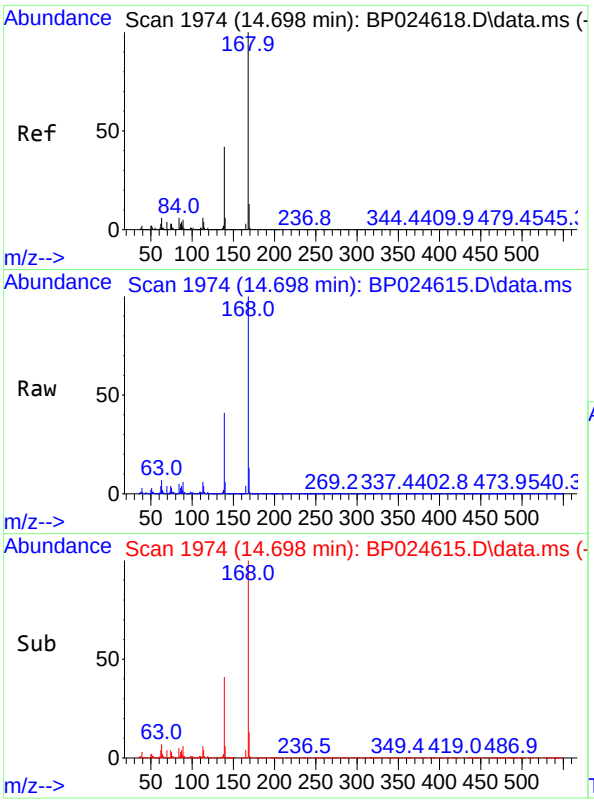


#53
3-Nitroaniline
Concen: 3.92 ng
RT: 14.222 min Scan# 1893
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:138 Resp: 16400

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

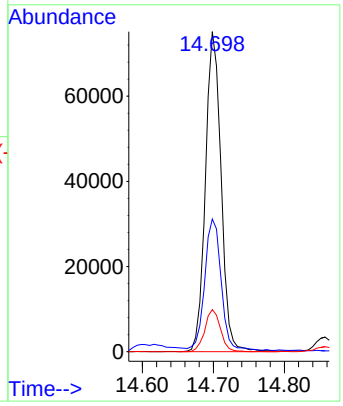




#55
Dibenzofuran
Concen: 5.23 ng
RT: 14.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:168 Resp: 11518

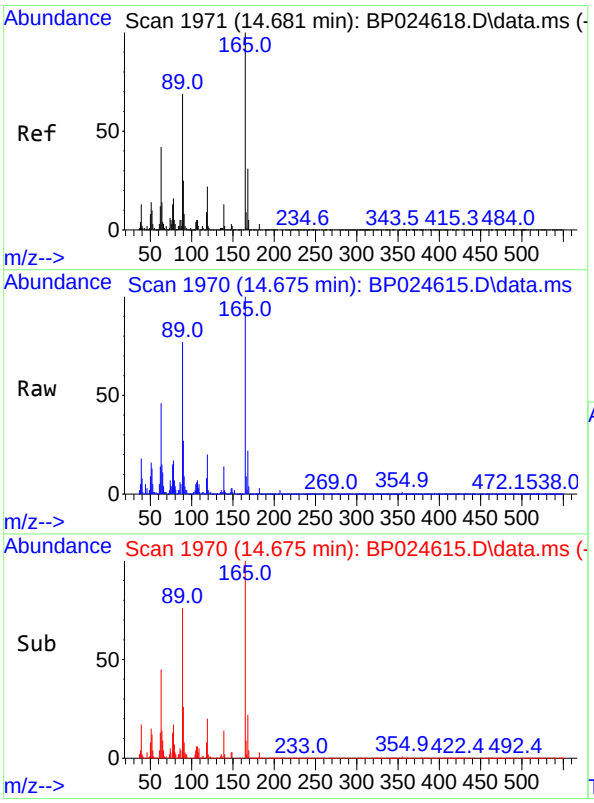
Ion	Ratio	Lower	Upper
168	100		
139	41.5	34.2	51.4
169	13.2	10.8	16.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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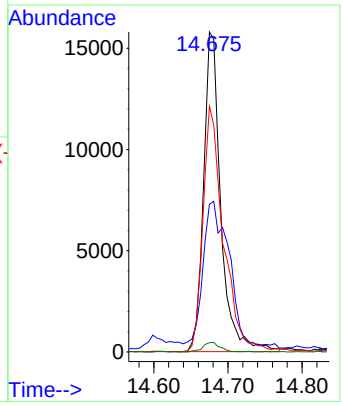
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

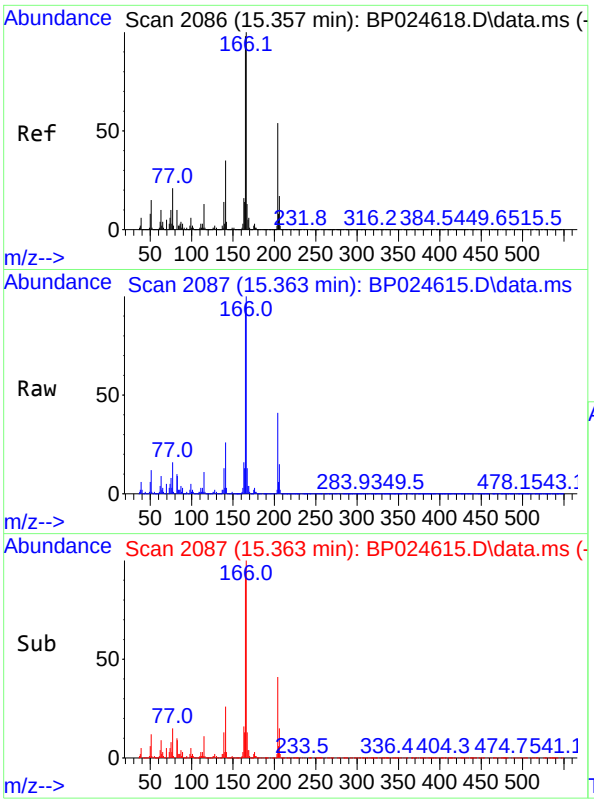


#57
2,4-Dinitrotoluene
Concen: 4.41 ng
RT: 14.675 min Scan# 1970
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:165 Resp: 25481

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

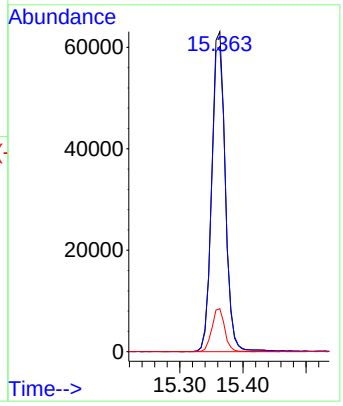




#58
Fluorene
Concen: 5.20 ng
RT: 15.363 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:166 Resp: 9330

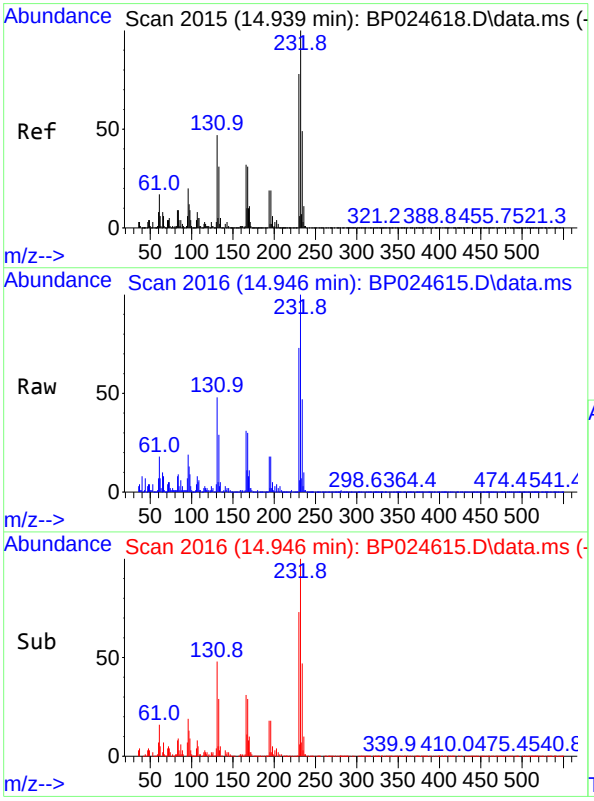
Ion	Ratio	Lower	Upper
166	100		
165	95.4	78.5	117.7
167	13.4	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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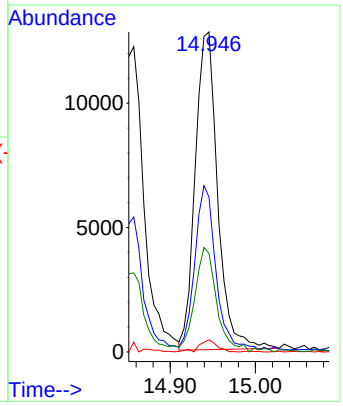
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

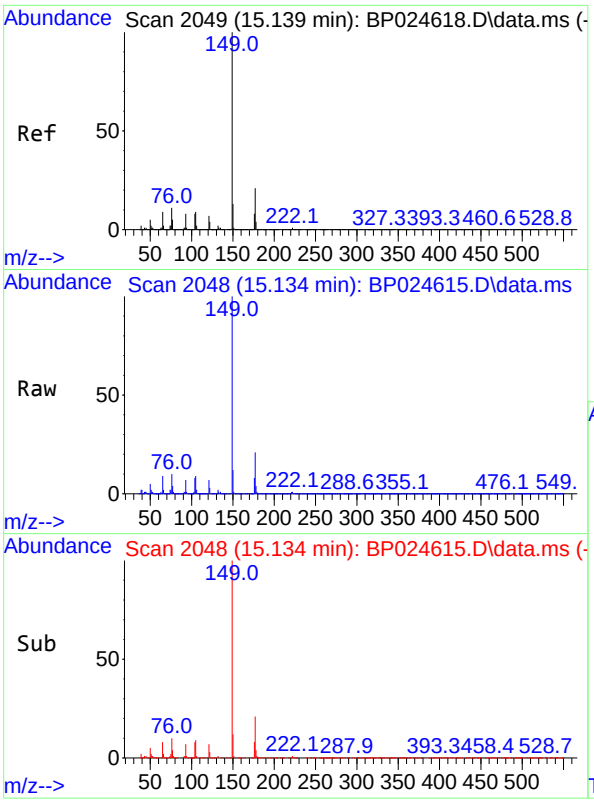


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.73 ng
RT: 14.946 min Scan# 2016
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:232 Resp: 23382

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

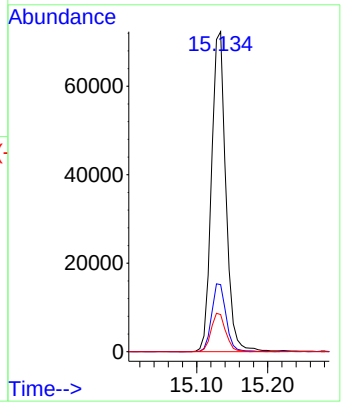




#60
Diethylphthalate
Concen: 5.17 ng
RT: 15.134 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:149 Resp: 10136

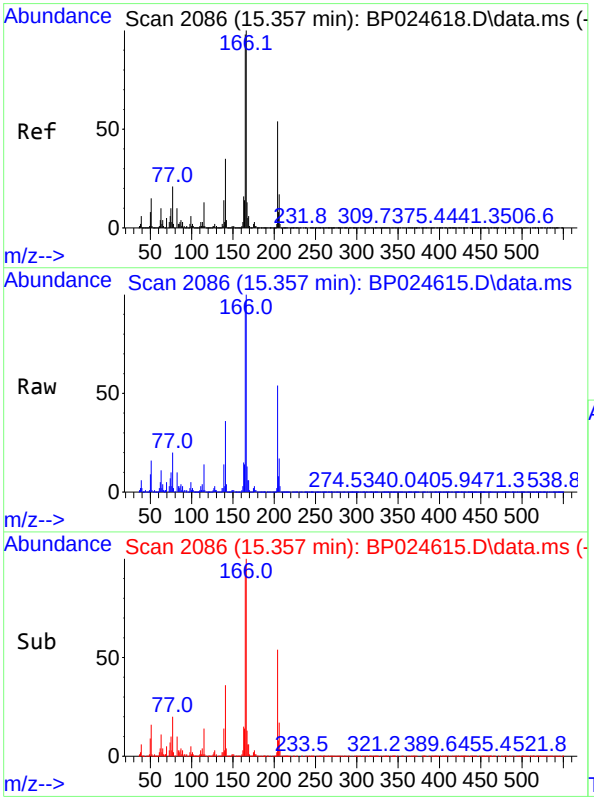
Ion	Ratio	Lower	Upper
149	100		
177	20.9	16.7	25.1
150	11.6	10.2	15.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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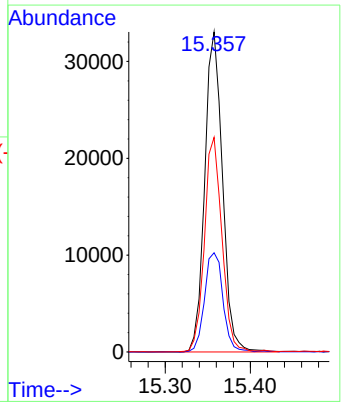
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

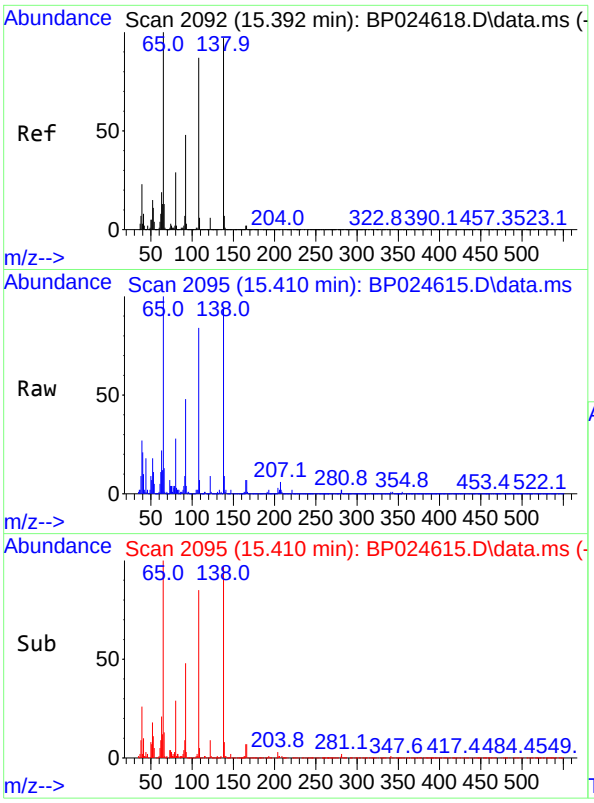


#61
4-Chlorophenyl-phenylether
Concen: 5.35 ng
RT: 15.357 min Scan# 2086
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:204 Resp: 47886

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





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

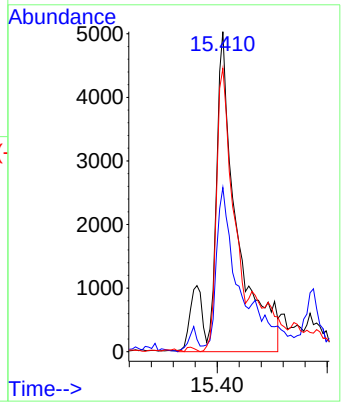
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

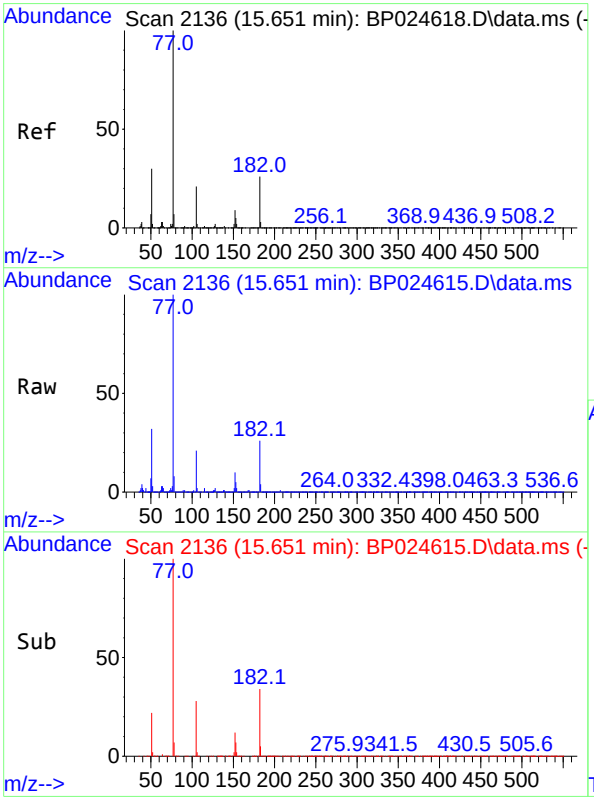
Tgt Ion:138 Resp: 1448

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

Manual Integrations
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Supervised By :Jagrut Upadhyay 05/14/2025

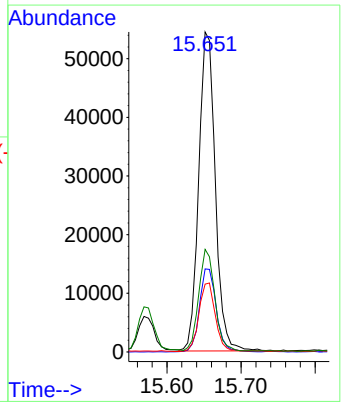


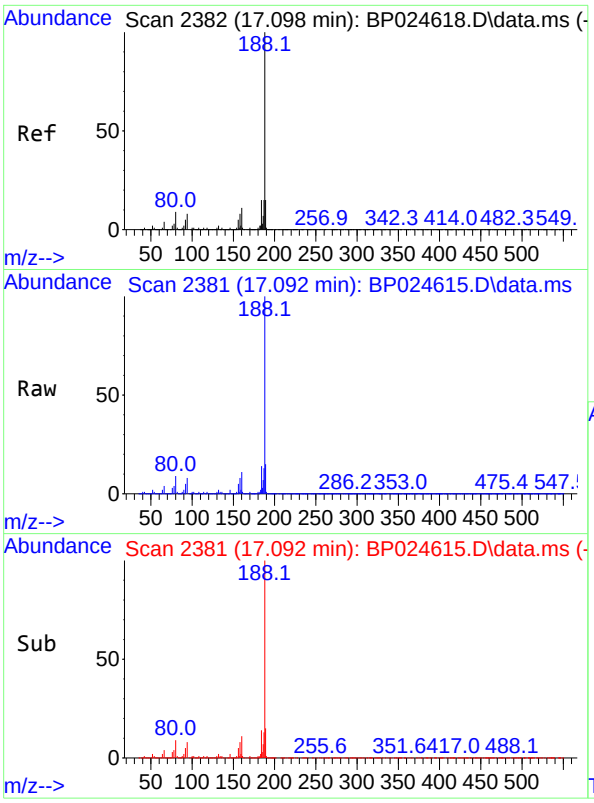


#63
Azobenzene
Concen: 5.03 ng
RT: 15.651 min Scan# 2136
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 77 Resp: 84462

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





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

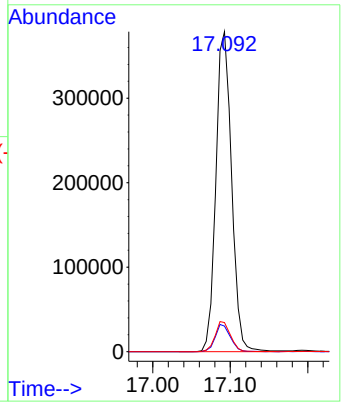
Tgt Ion:188 Resp: 53154

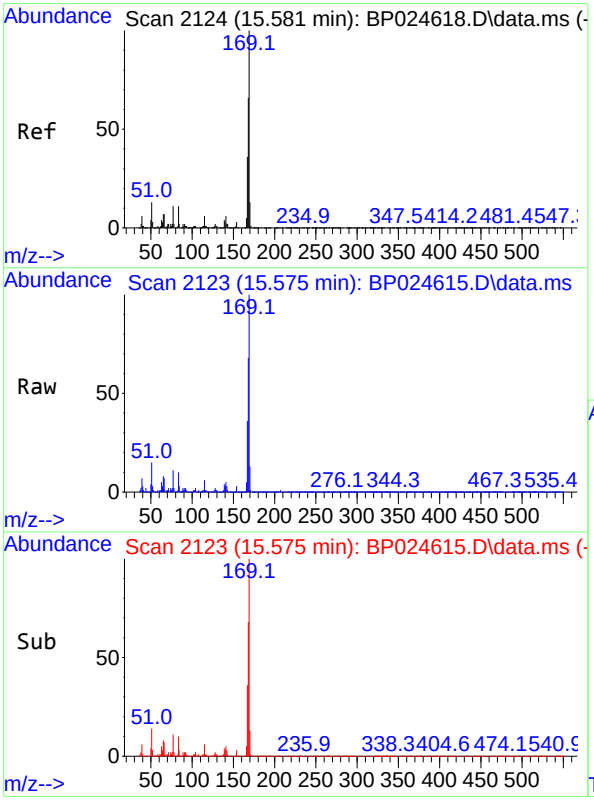
Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.5	9.7
80	9.1	7.3	10.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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

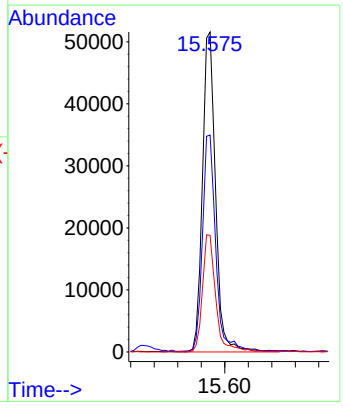


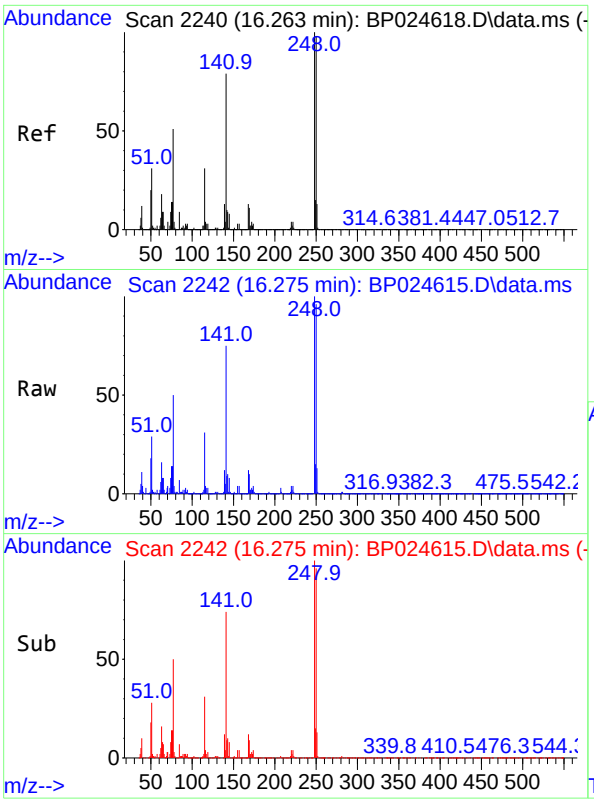


#66
n-Nitrosodiphenylamine
Concen: 4.90 ng
RT: 15.575 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:169 Resp: 80078

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





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

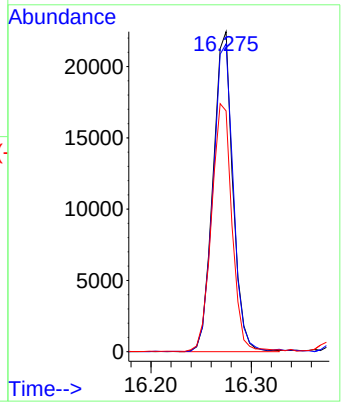
Tgt Ion:248 Resp: 3070

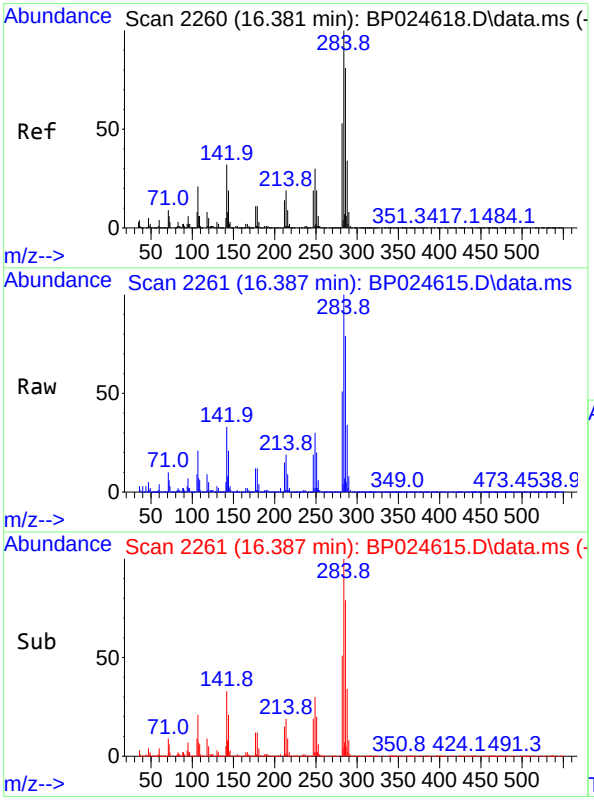
Ion	Ratio	Lower	Upper
248	100		
250	96.2	78.2	117.4
141	75.3	63.0	94.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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

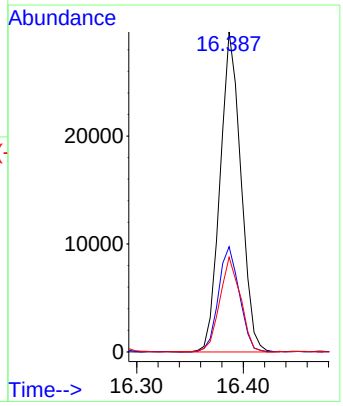


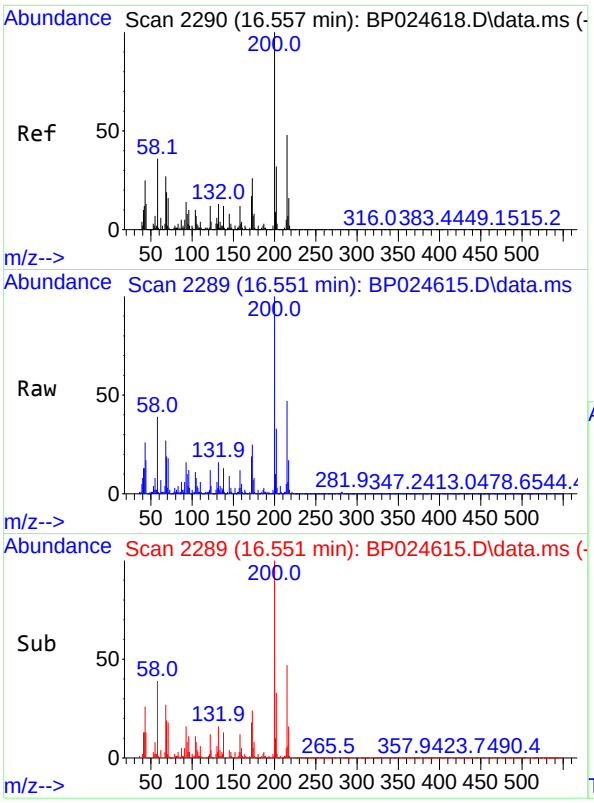


#68
Hexachlorobenzene
Concen: 5.06 ng
RT: 16.387 min Scan# 2261
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:284 Resp: 40234

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

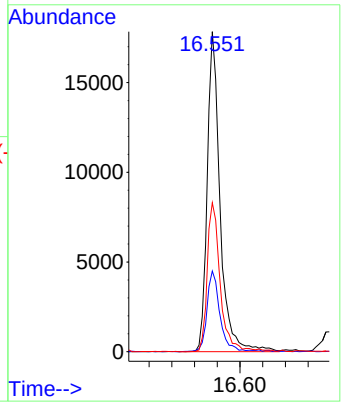




#69
Atrazine
Concen: 4.66 ng
RT: 16.551 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:200 Resp: 2790

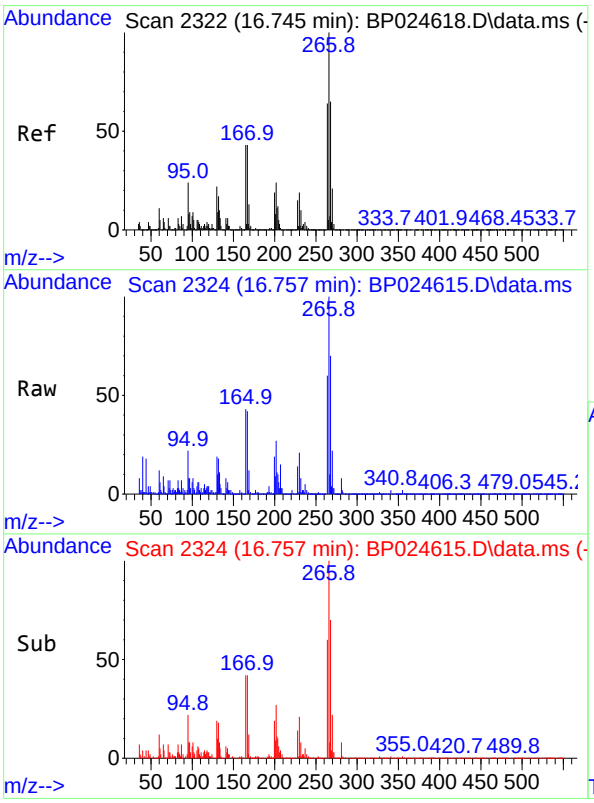
Ion	Ratio	Lower	Upper
200	100		
173	25.2	5.9	45.9
215	46.5	28.3	68.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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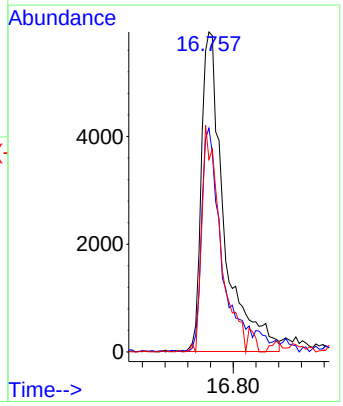
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

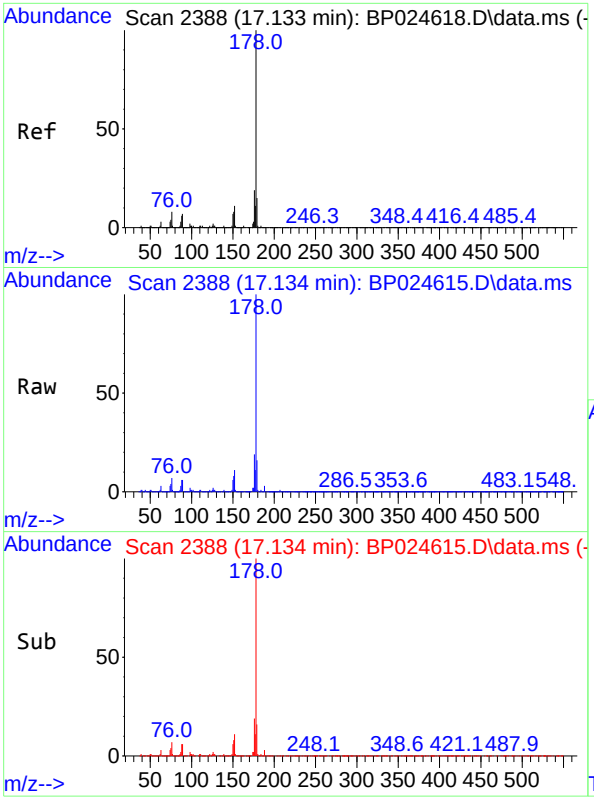


#70
Pentachlorophenol
Concen: 3.68 ng
RT: 16.757 min Scan# 2324
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:266 Resp: 16456

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

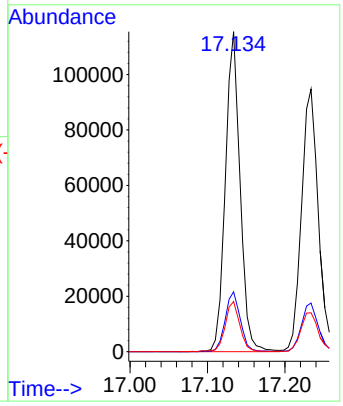




#71
Phenanthrene
Concen: 5.14 ng
RT: 17.134 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:178 Resp: 15203

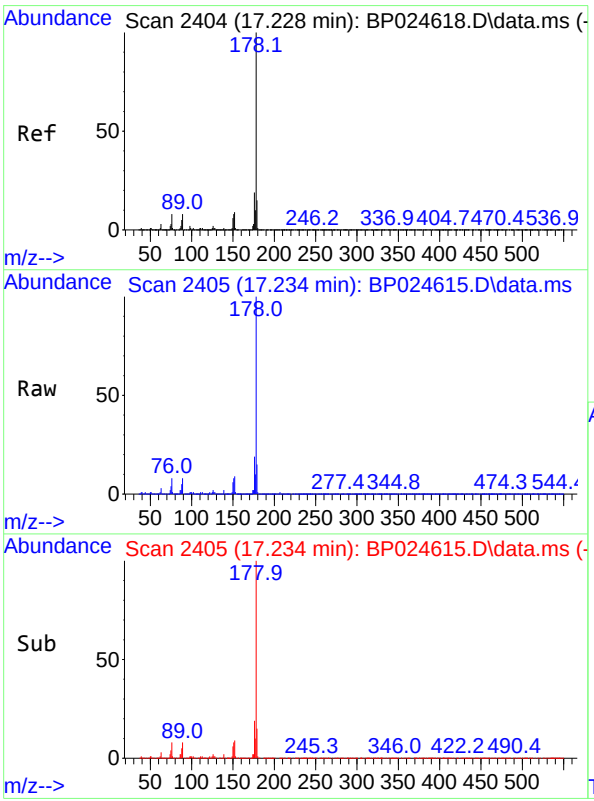
Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.7	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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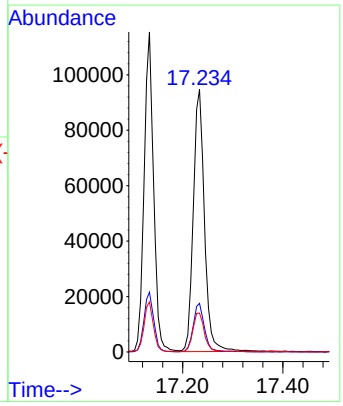
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

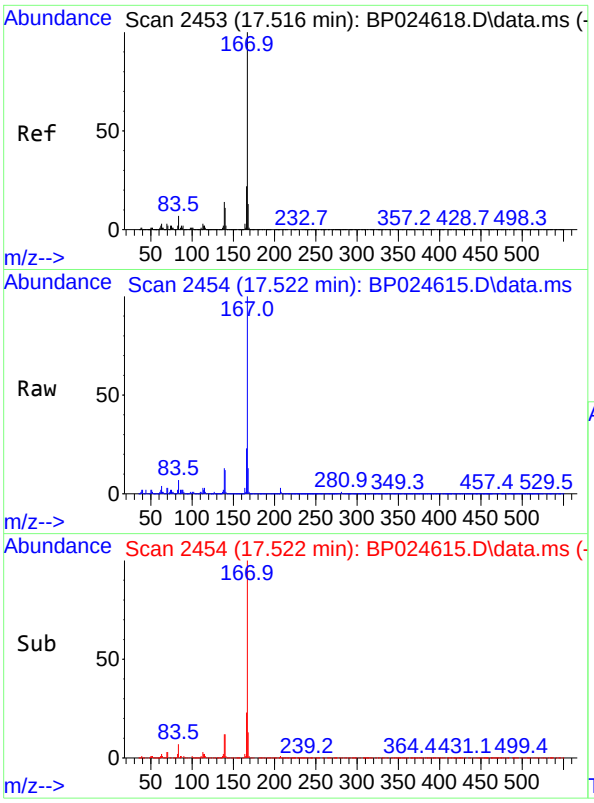


#72
Anthracene
Concen: 4.90 ng
RT: 17.234 min Scan# 2405
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:178 Resp: 145809

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

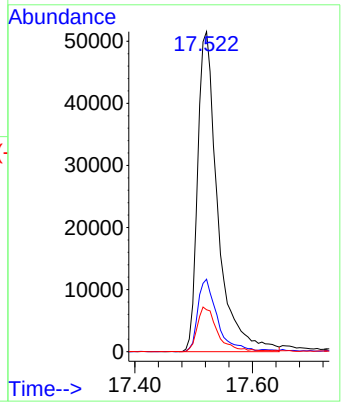




#73
Carbazole
Concen: 4.56 ng
RT: 17.522 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:167 Resp: 12266

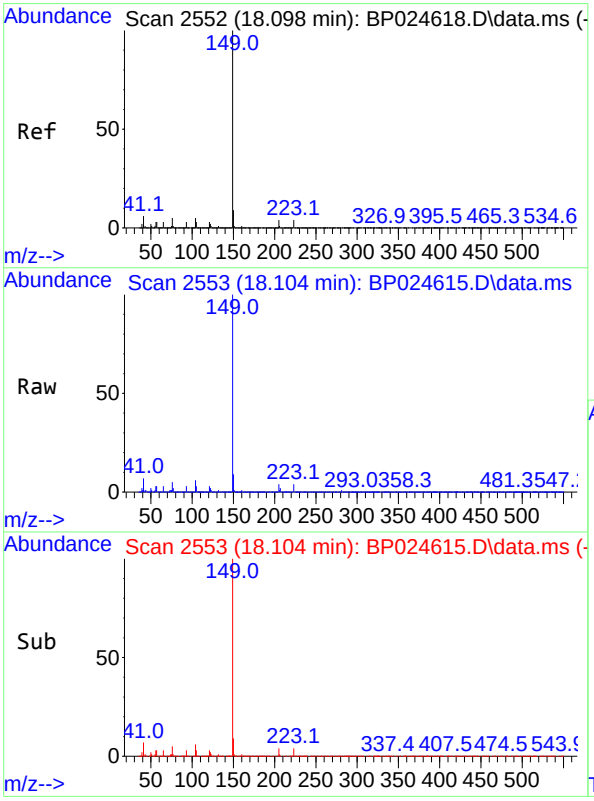
Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.7	26.5
139	13.1	11.3	16.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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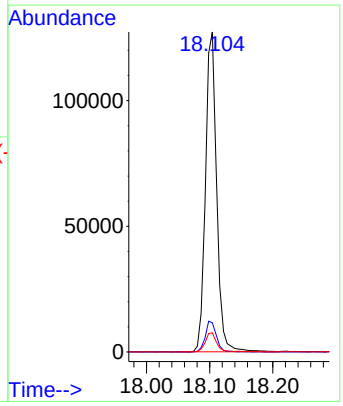
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

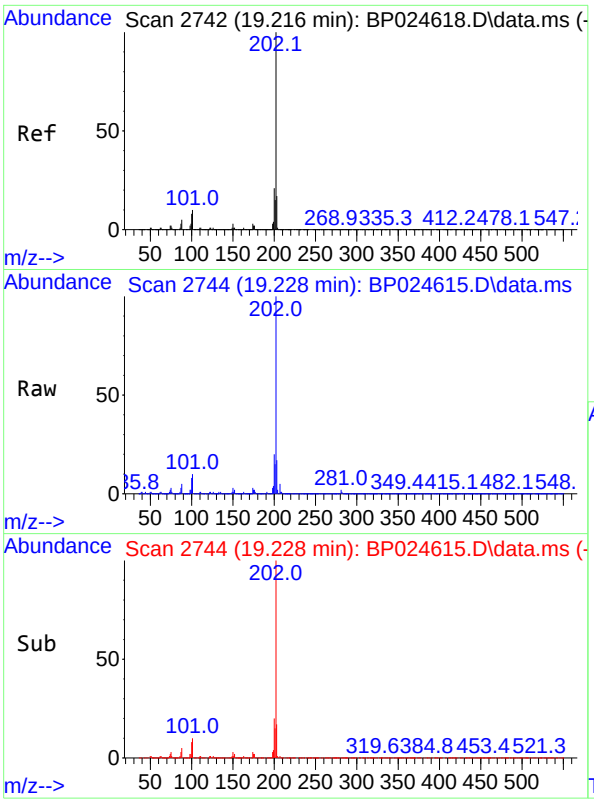


#74
Di-n-butylphthalate
Concen: 4.54 ng
RT: 18.104 min Scan# 2553
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:149 Resp: 157014

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

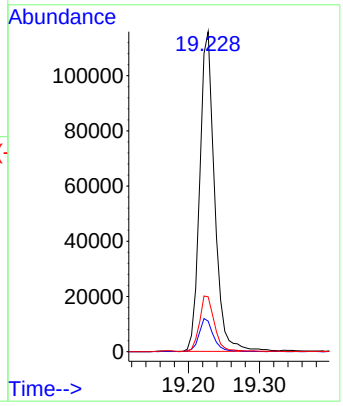




#75
Fluoranthene
Concen: 4.89 ng
RT: 19.228 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:202 Resp: 16886

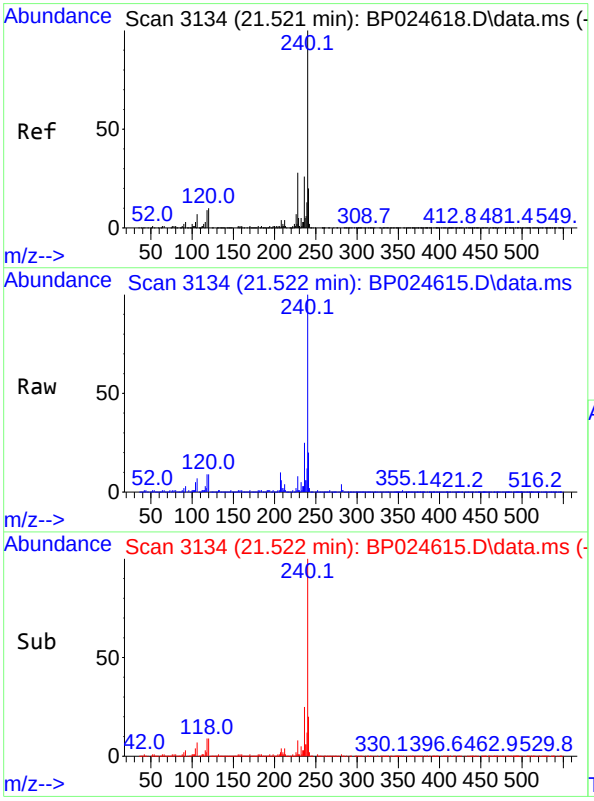
Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	30.3
203	17.2	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

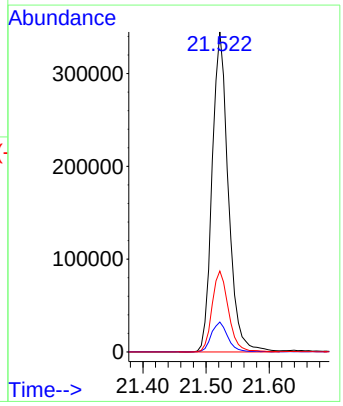
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

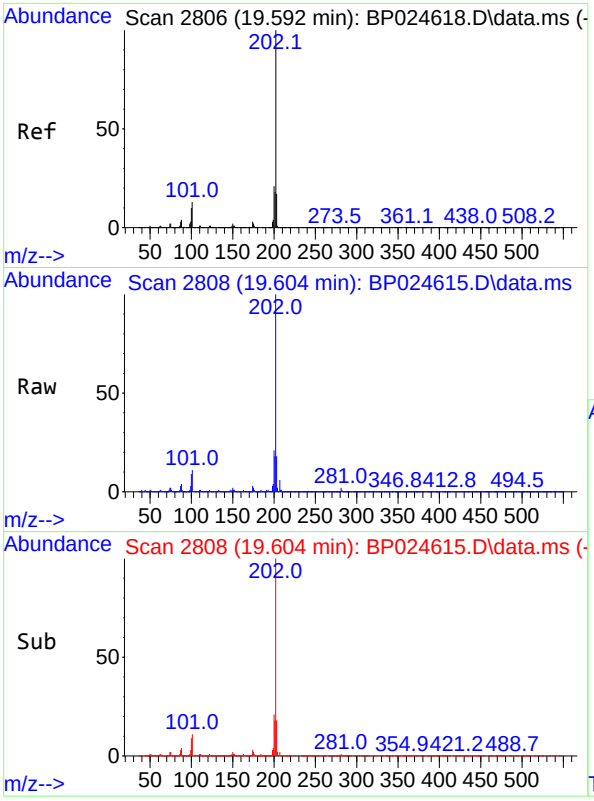


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.522 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:240 Resp: 614288

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

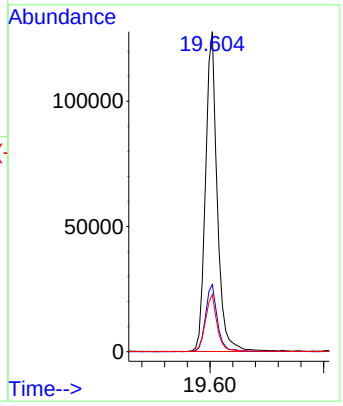




#78
Pyrene
Concen: 4.94 ng
RT: 19.604 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:202 Resp: 18181

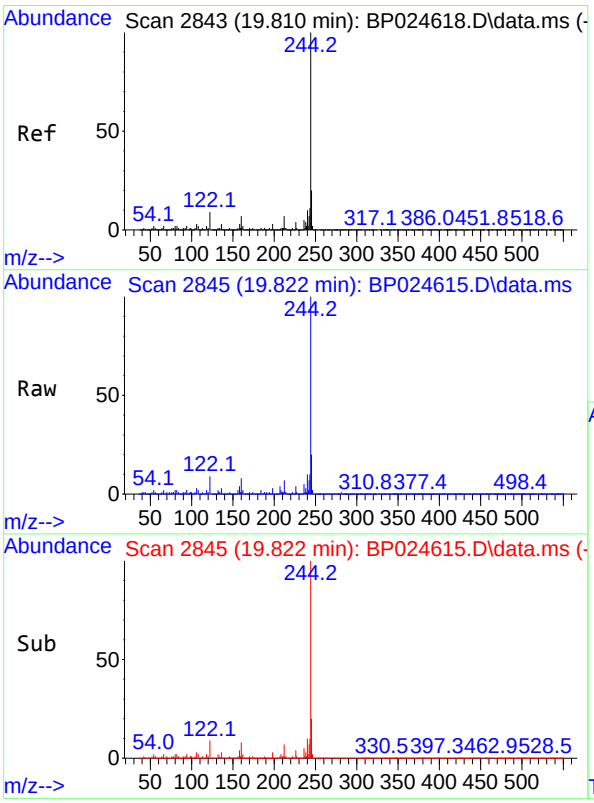
Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.8	13.9	20.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

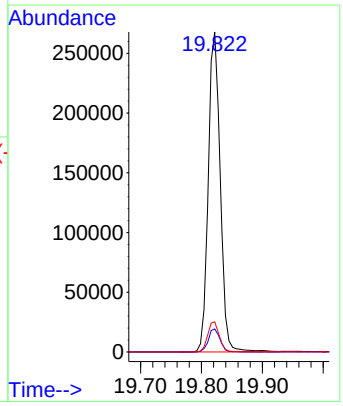
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

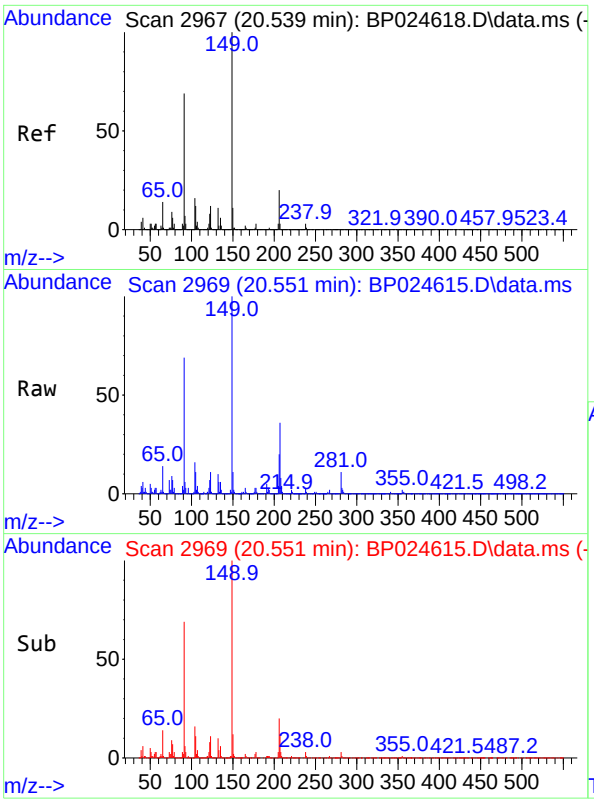


#79
Terphenyl-d14
Concen: 10.22 ng
RT: 19.822 min Scan# 2845
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:244 Resp: 366245

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

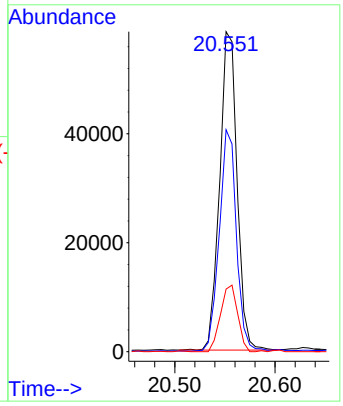




#80
Butylbenzylphthalate
Concen: 4.30 ng
RT: 20.551 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:149 Resp: 7034

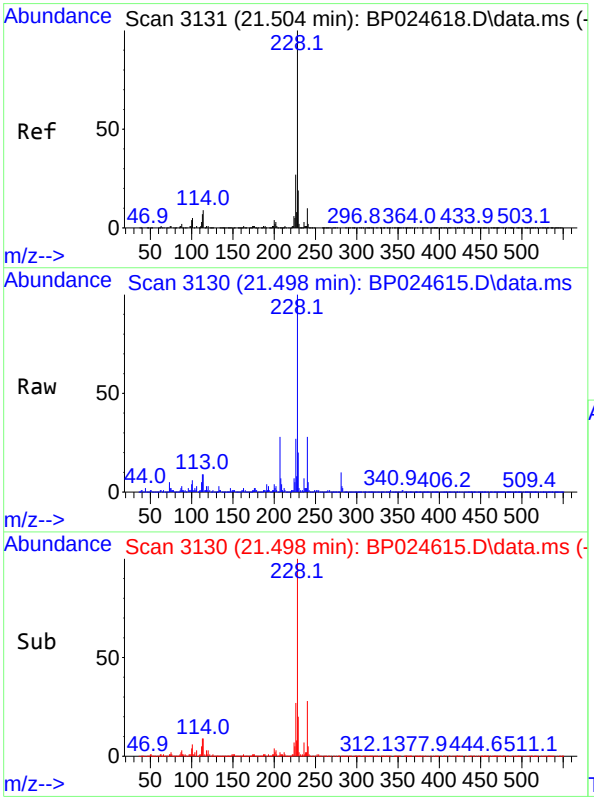
Ion	Ratio	Lower	Upper
149	100		
91	69.3	55.4	83.0
206	19.5	16.2	24.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

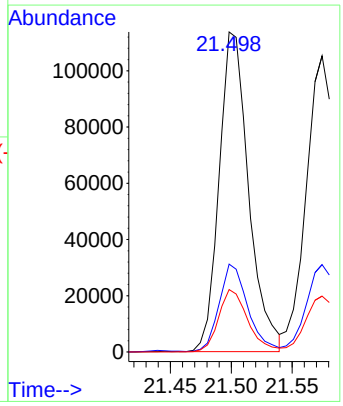
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

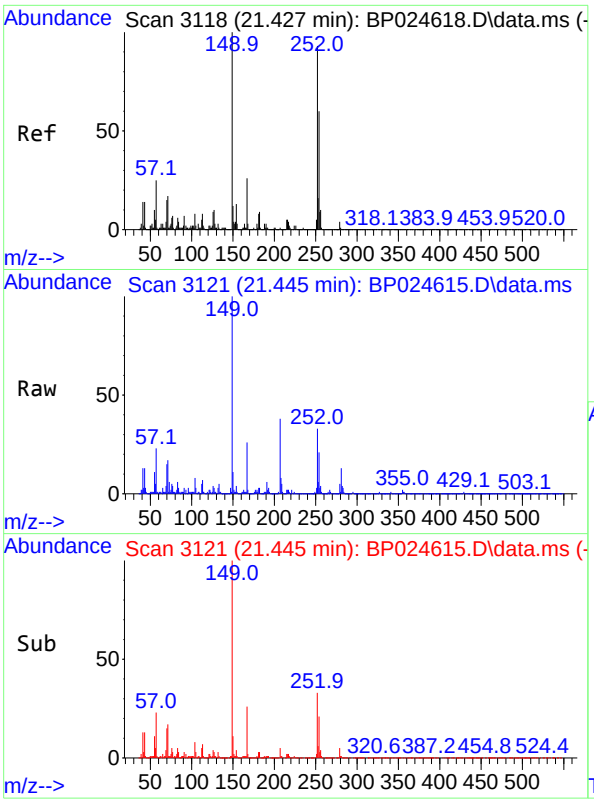


#81
Benzo(a)anthracene
Concen: 4.98 ng
RT: 21.498 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:228 Resp: 192110

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

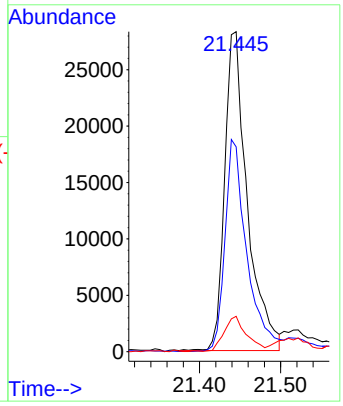




#82
3,3'-Dichlorobenzidine
Concen: 3.82 ng
RT: 21.445 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:252 Resp: 5479

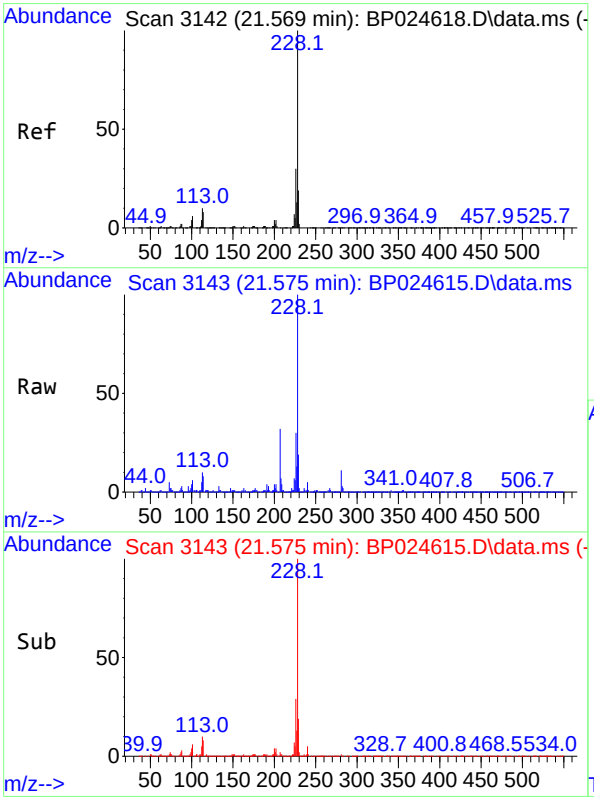
Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.8	77.6
126	11.0	7.7	11.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

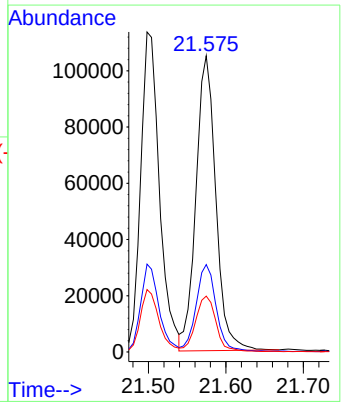
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

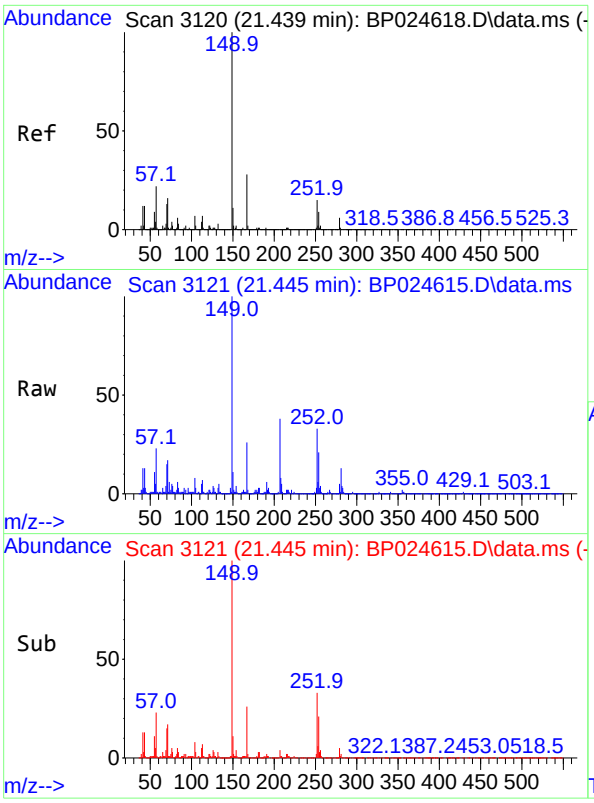


#83
Chrysene
Concen: 5.10 ng
RT: 21.575 min Scan# 3143
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:228 Resp: 186449

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





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

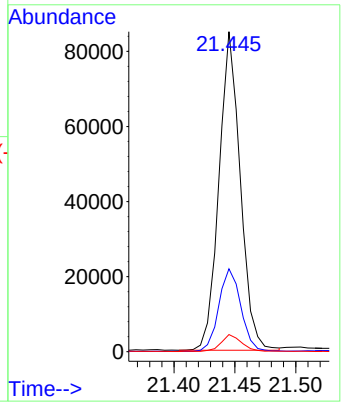
Tgt Ion:149 Resp: 10328

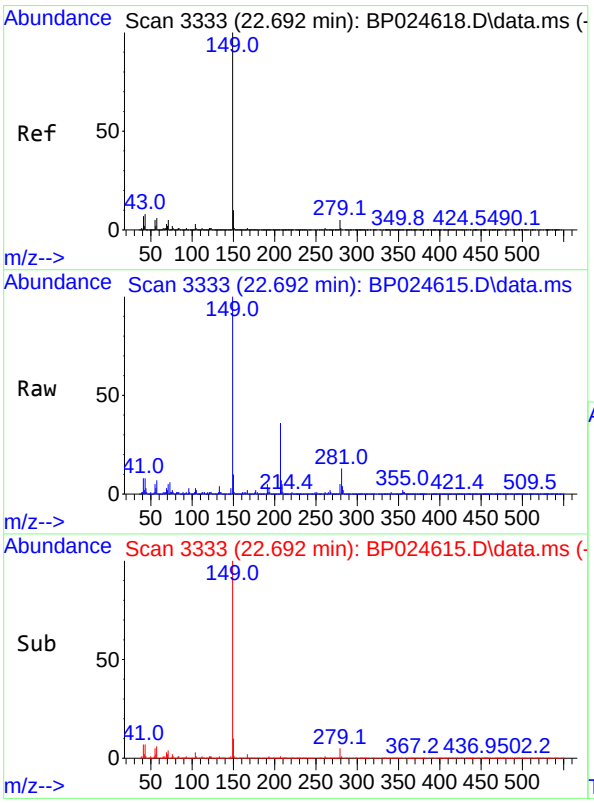
Ion	Ratio	Lower	Upper
149	100		
167	25.9	22.1	33.1
279	5.4	4.6	6.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

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

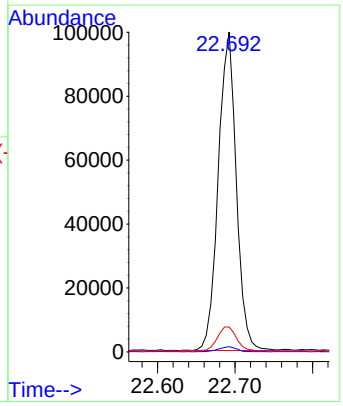


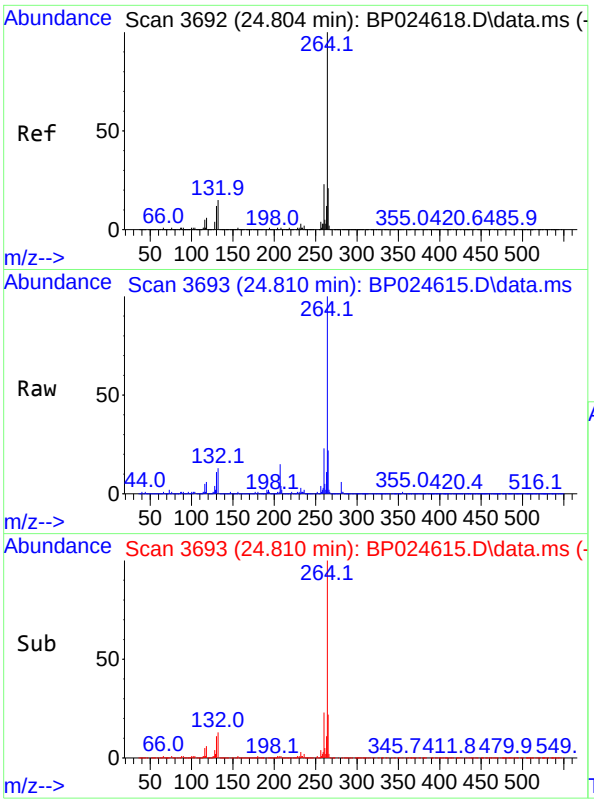


#85
Di-n-octyl phthalate
Concen: 4.09 ng
RT: 22.692 min Scan# 3333
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:149 Resp: 160883

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

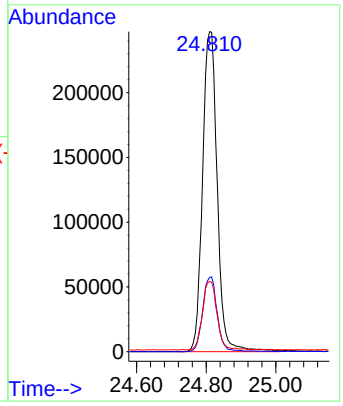




#86
Perylene-d12
Concen: 20.00 ng
RT: 24.810 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:264 Resp: 72426

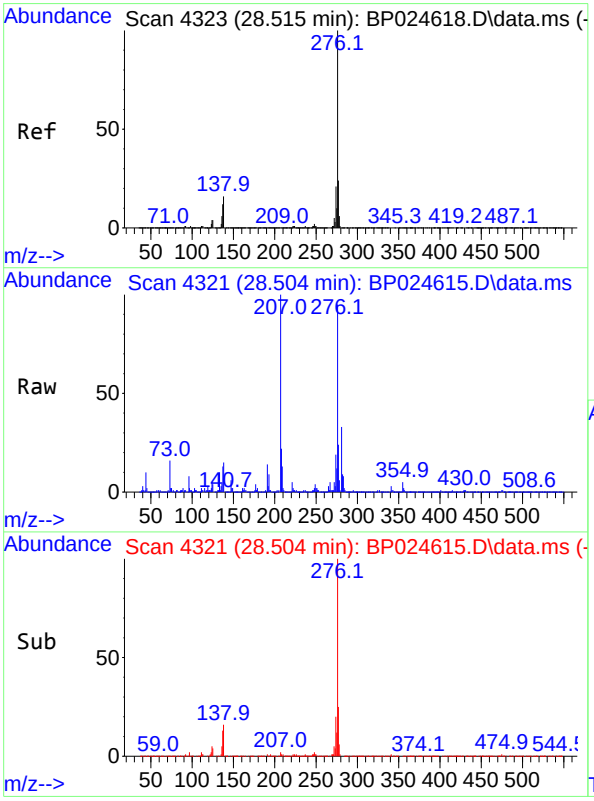
Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	22.0	17.0	25.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

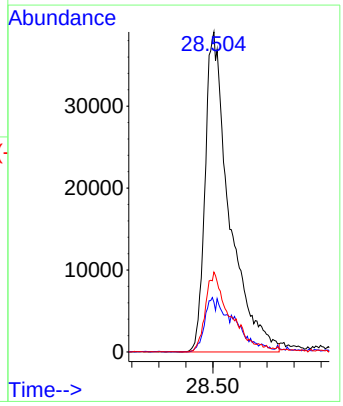
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

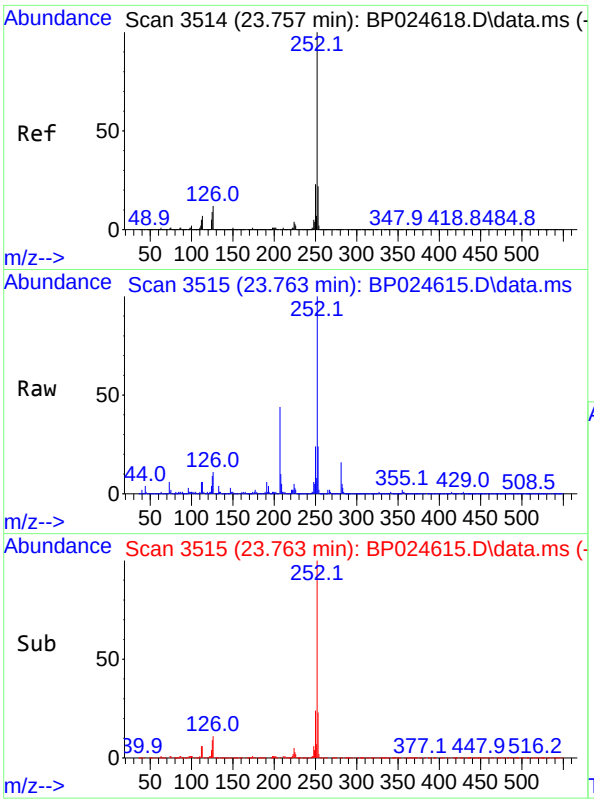


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.59 ng
RT: 28.504 min Scan# 4321
Delta R.T. -0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:276 Resp: 242814

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

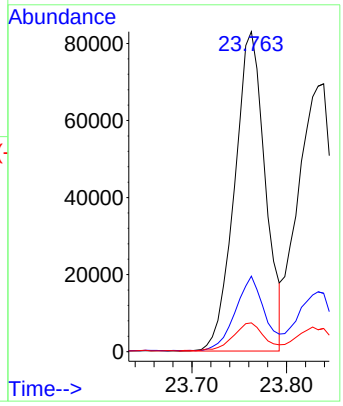




#88
Benzo(b)fluoranthene
Concen: 4.49 ng
RT: 23.763 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:252 Resp: 18605

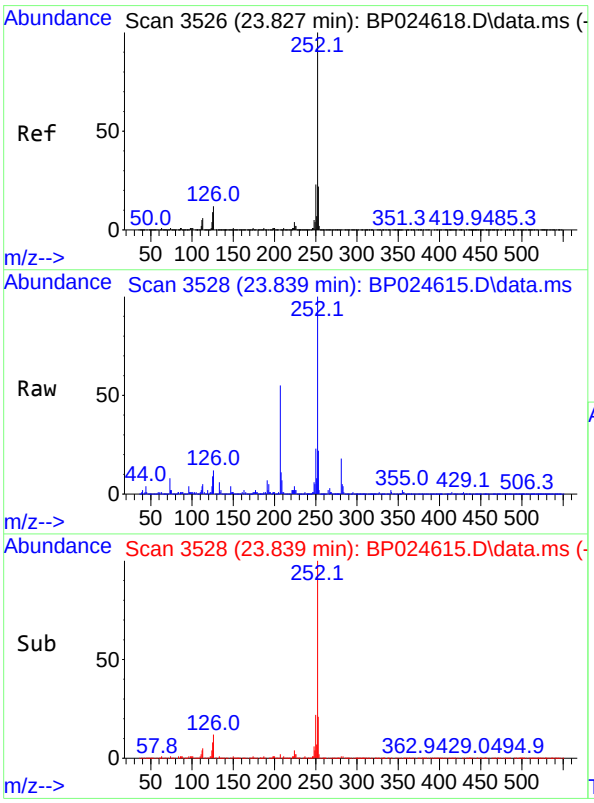
Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.7	26.5
125	9.0	7.5	11.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

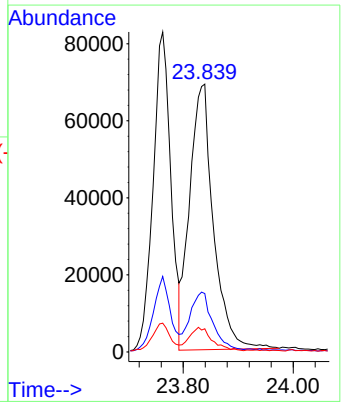
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

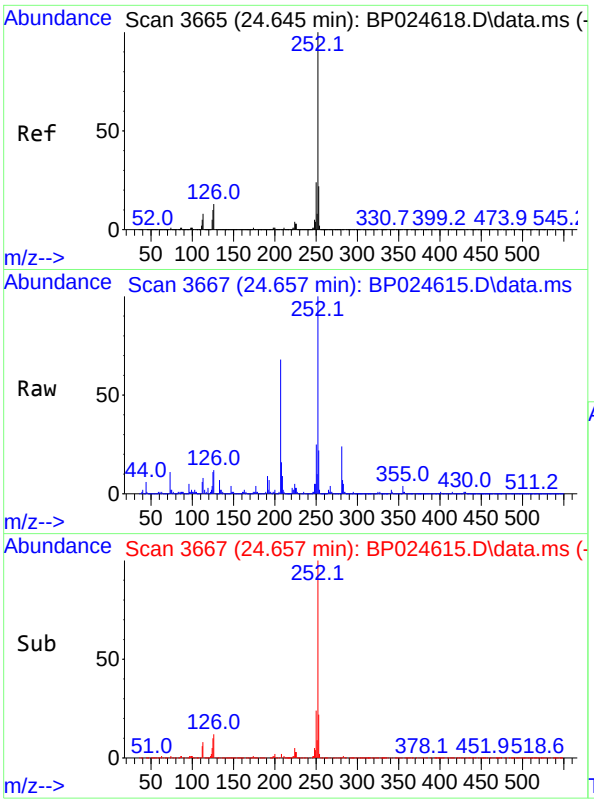


#89
Benzo(k)fluoranthene
Concen: 4.86 ng
RT: 23.839 min Scan# 3528
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:252 Resp: 207645

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

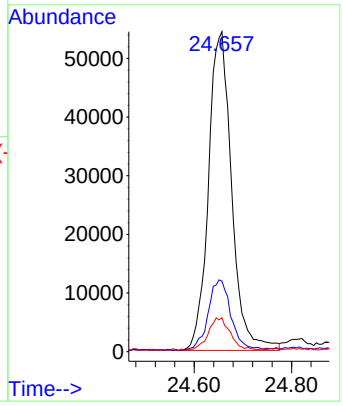




#90
Benzo(a)pyrene
Concen: 4.52 ng
RT: 24.657 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:252 Resp: 18015

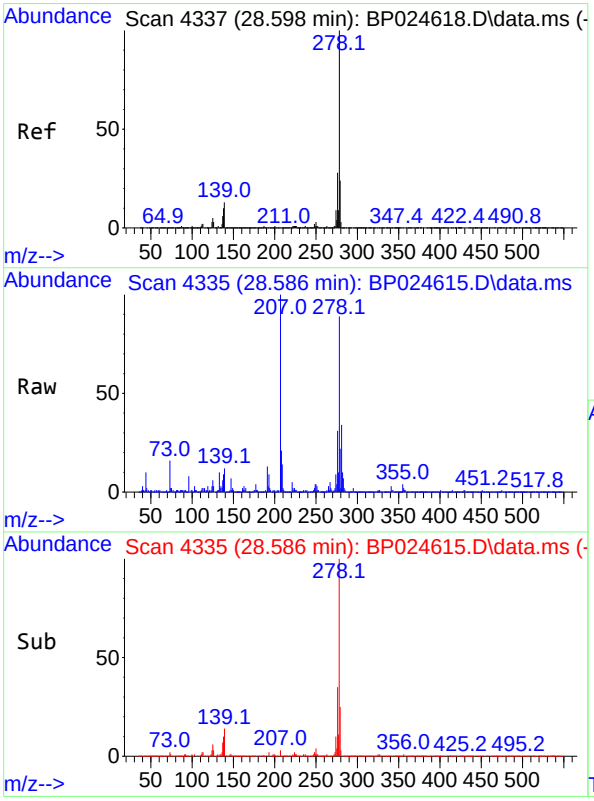
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	10.6	8.1	12.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

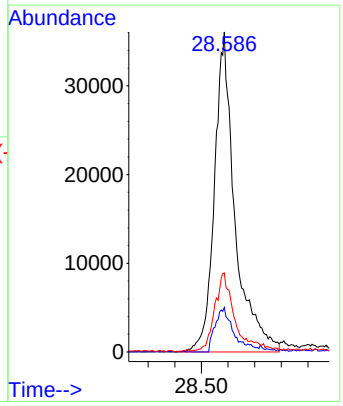
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

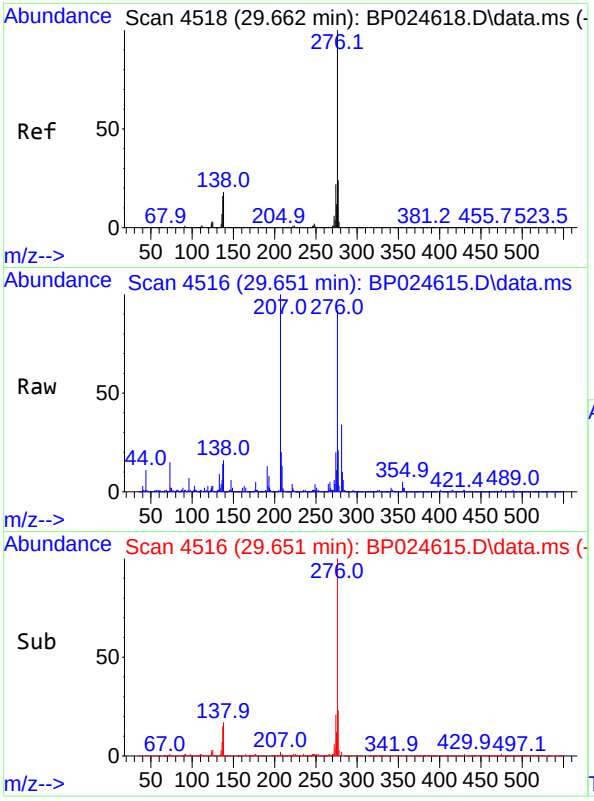


#91
Dibenzo(a,h)anthracene
Concen: 4.50 ng
RT: 28.586 min Scan# 4335
Delta R.T. -0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:278 Resp: 193373

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

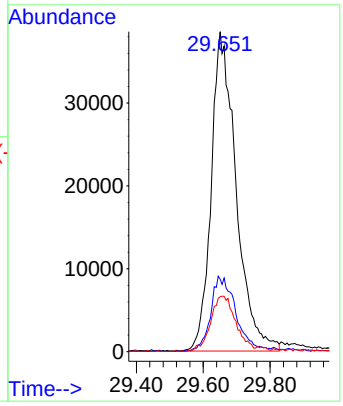




#92
Benzo(g,h,i)perylene
Concen: 4.66 ng
RT: 29.651 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:276 Resp: 19936

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



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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

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

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

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

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

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

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

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

ICAL Form

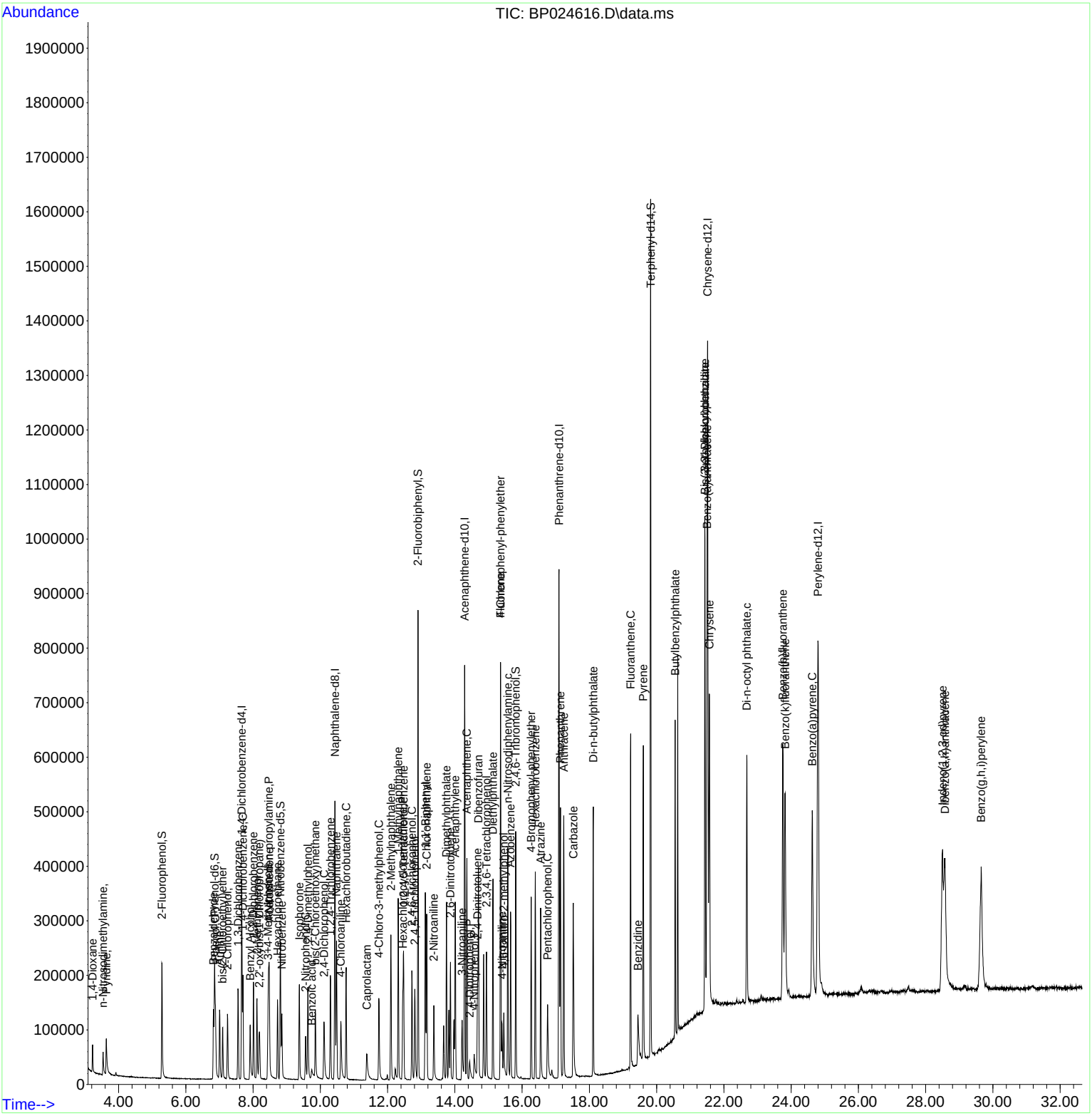
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Data File : BP024616.D
Acq On : 13 May 2025 12:03
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

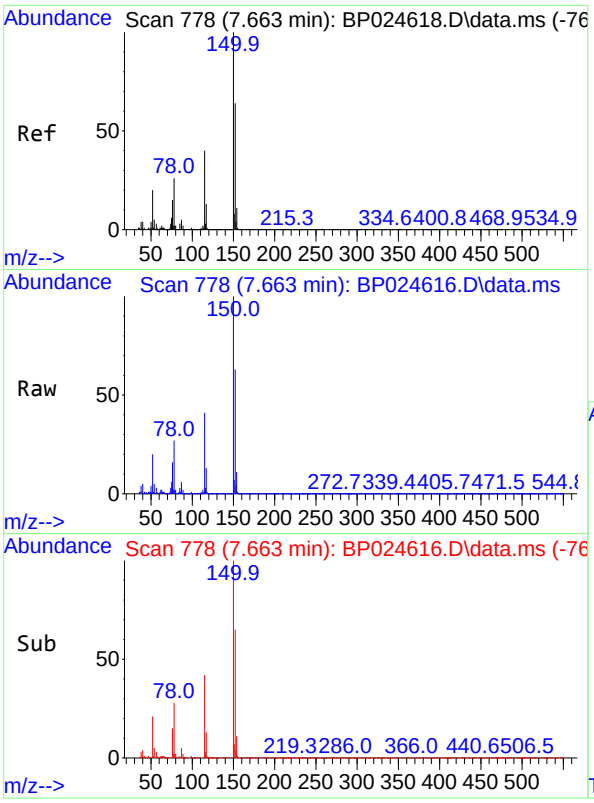
Quant Time: May 13 16:04:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

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

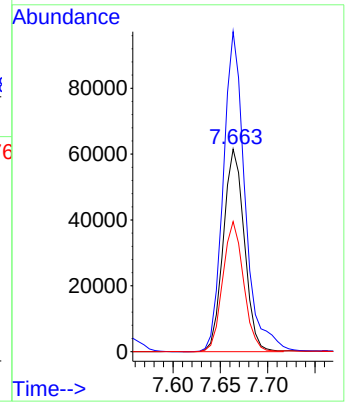




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:152 Resp: 9497

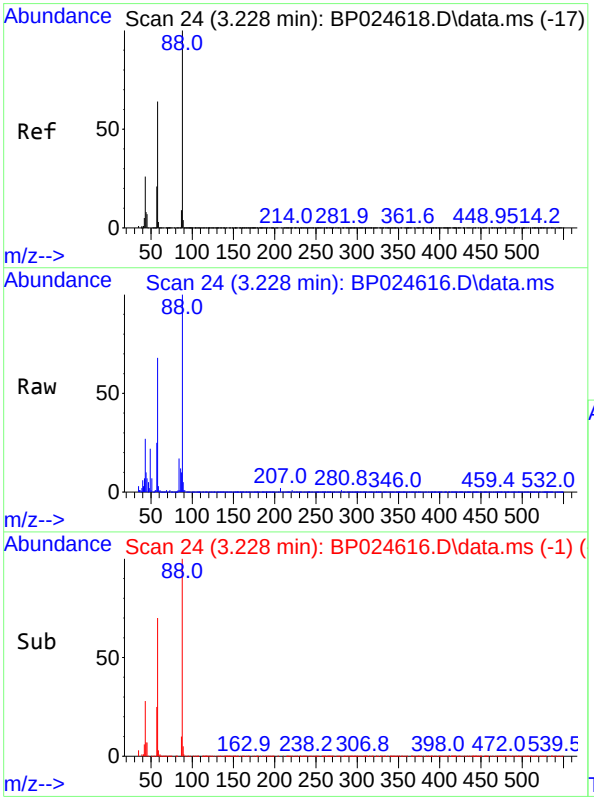
Ion	Ratio	Lower	Upper
152	100		
150	158.0	125.9	188.9
115	64.2	50.1	75.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

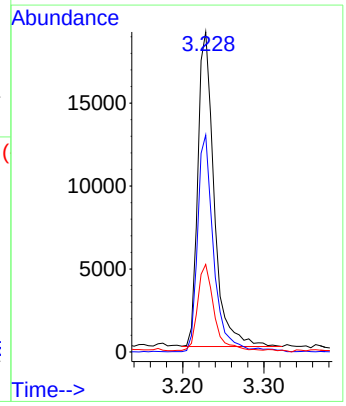
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

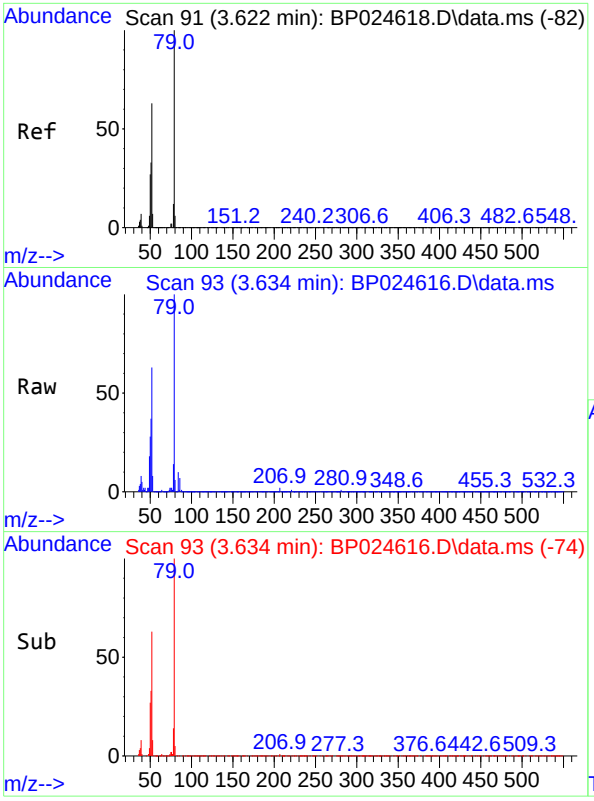


#2
1,4-Dioxane
Concen: 10.15 ng
RT: 3.228 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 88 Resp: 26472

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

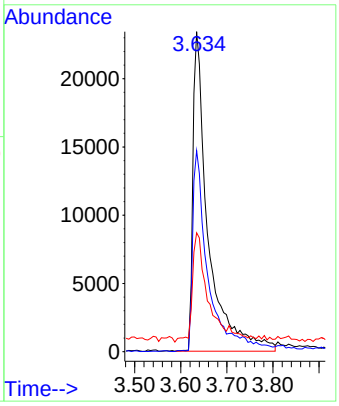




#3
Pyridine
Concen: 9.33 ng
RT: 3.634 min Scan# 9
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 79 Resp: 5391

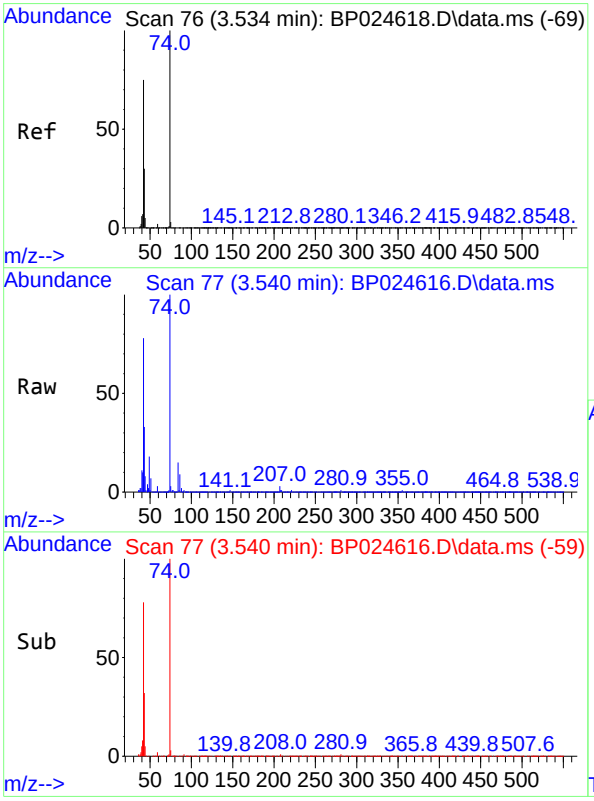
Ion	Ratio	Lower	Upper
79	100		
52	62.8	50.2	75.2
51	37.1	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

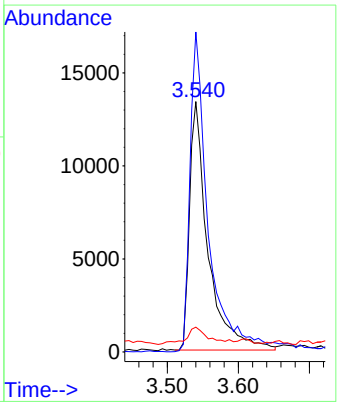
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

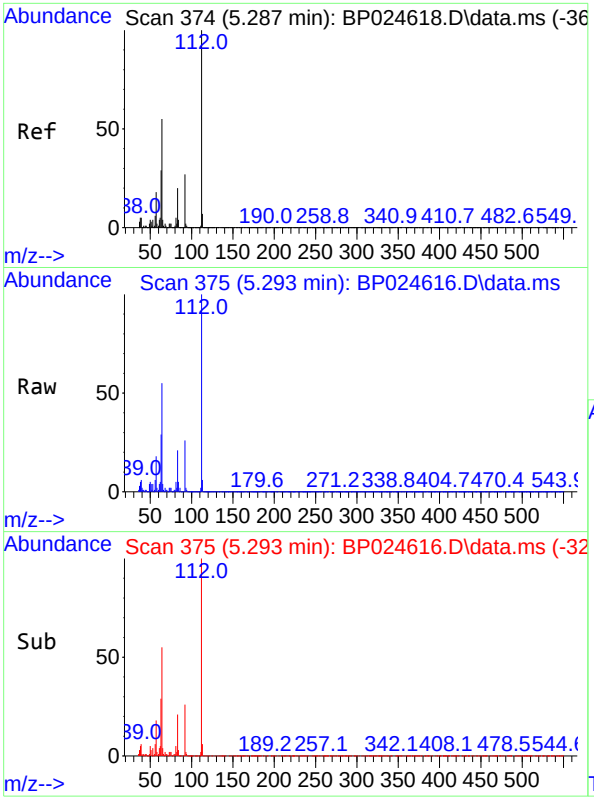


#4
n-Nitrosodimethylamine
Concen: 9.44 ng
RT: 3.540 min Scan# 77
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 42 Resp: 24093

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

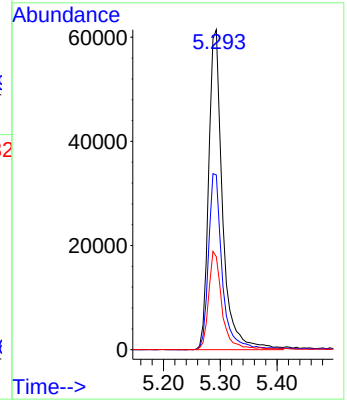




#5
2-Fluorophenol
Concen: 18.75 ng
RT: 5.293 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:112 Resp: 10411

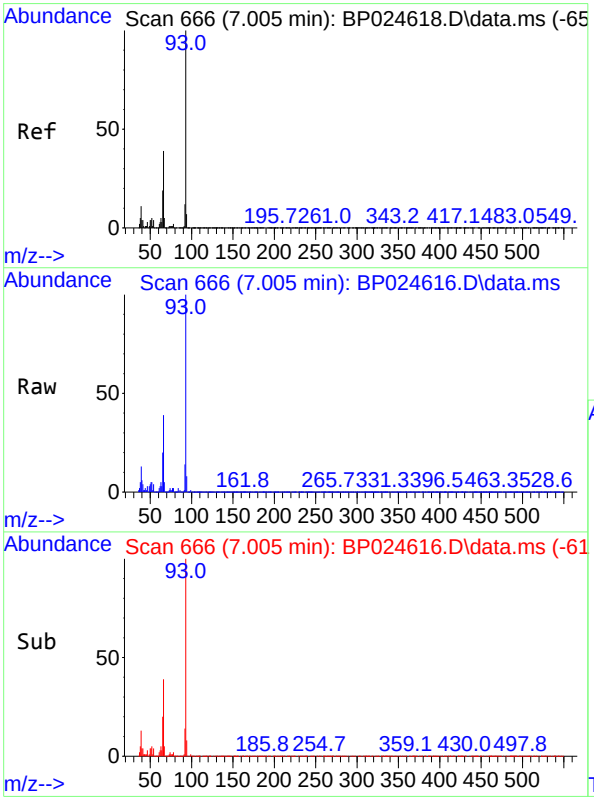
Ion	Ratio	Lower	Upper
112	100		
64	54.6	44.1	66.1
63	29.0	23.5	35.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

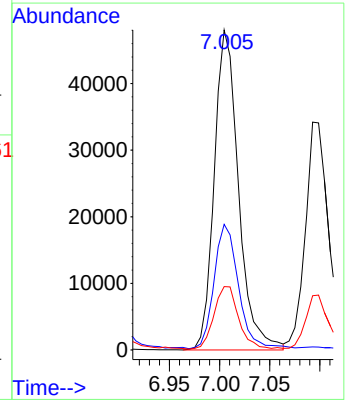
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

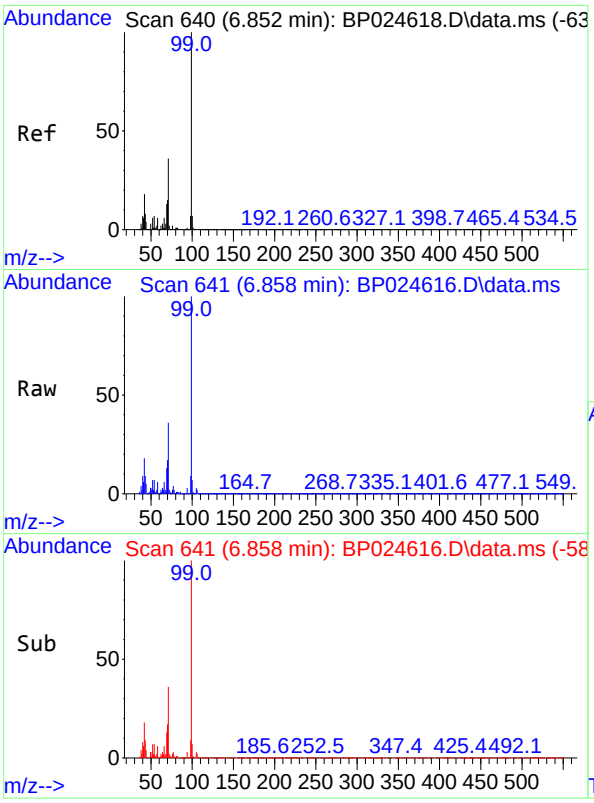


#6
Aniline
Concen: 8.84 ng
RT: 7.005 min Scan# 666
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 93 Resp: 80863

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

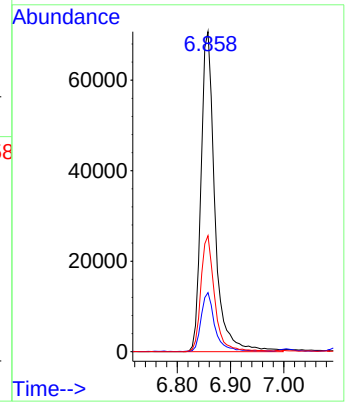




#7
Phenol-d6
Concen: 18.01 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 99 Resp: 12765

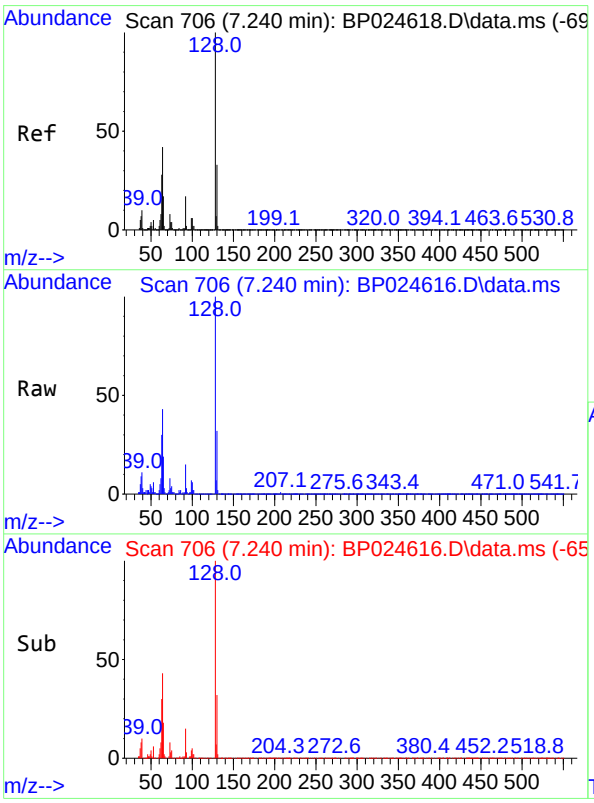
Ion	Ratio	Lower	Upper
99	100		
42	18.4	14.4	21.6
71	36.3	29.2	43.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

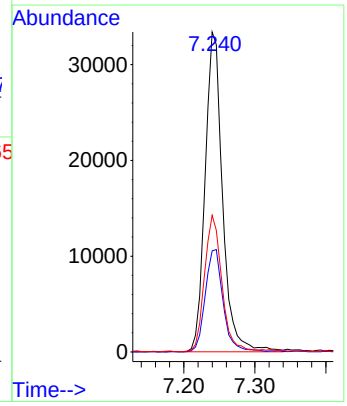
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

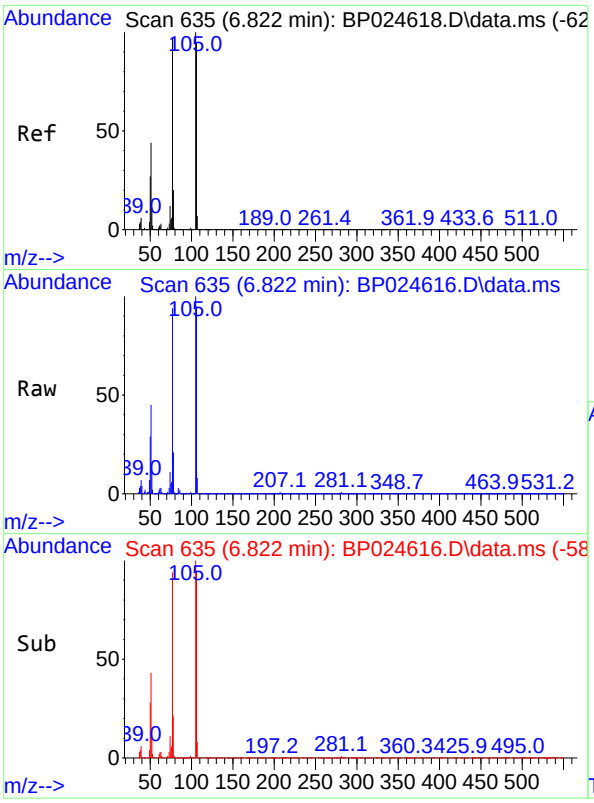


#8
2-Chlorophenol
Concen: 9.07 ng
RT: 7.240 min Scan# 706
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:128 Resp: 57182

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

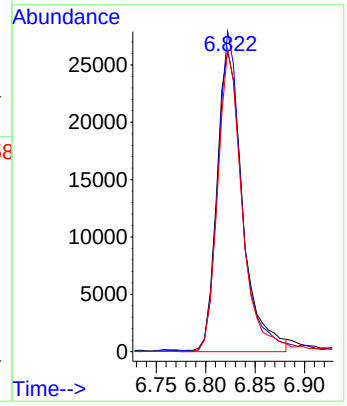




#9
Benzaldehyde
Concen: 10.45 ng m
RT: 6.822 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 77 Resp: 4784

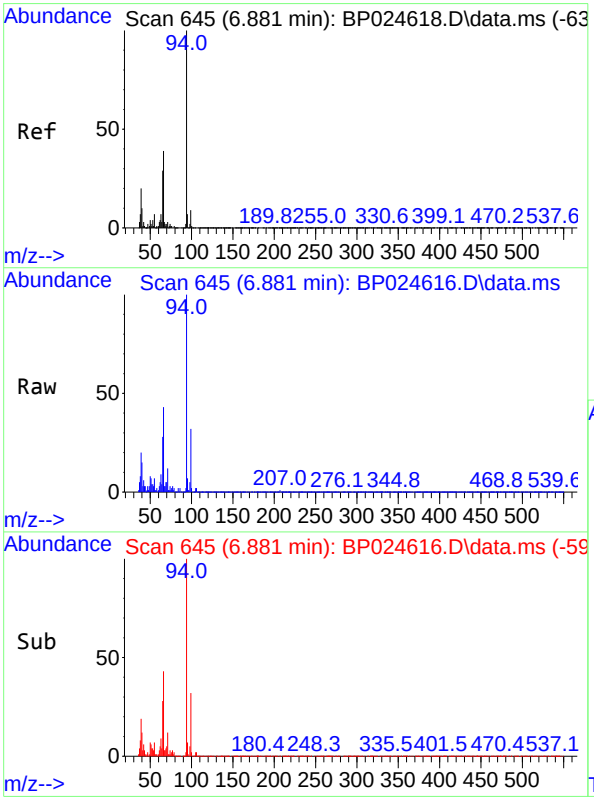
Ion	Ratio	Lower	Upper
77	100		
105	106.2	83.3	123.3
106	100.5	78.0	118.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

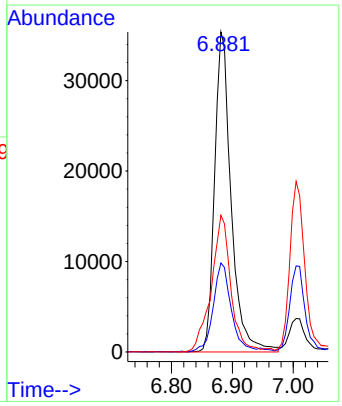
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

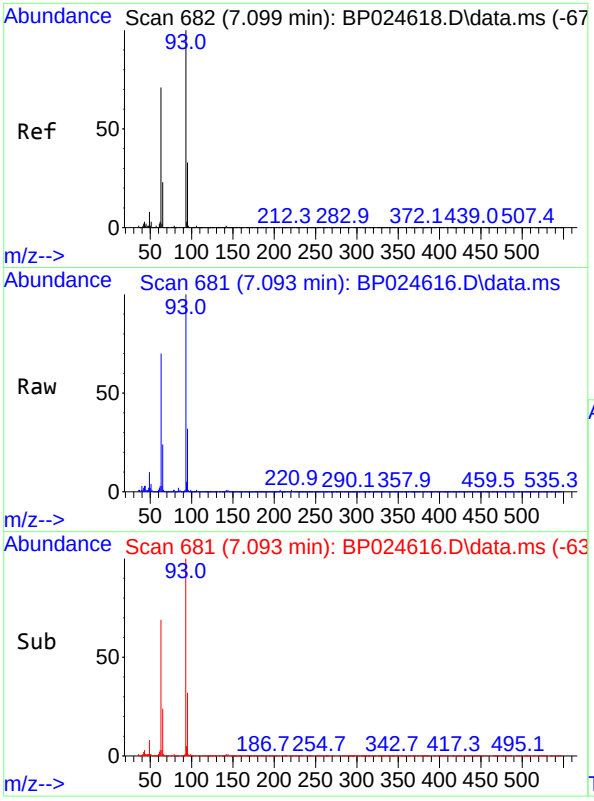


#10
Phenol
Concen: 9.09 ng
RT: 6.881 min Scan# 645
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 94 Resp: 66520

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

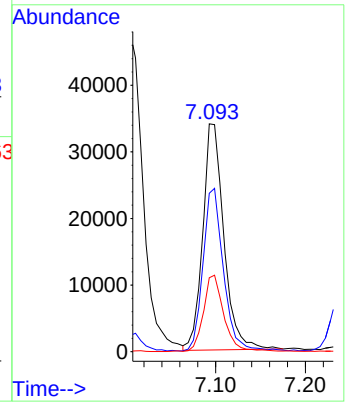




#11
bis(2-Chloroethyl)ether
Concen: 9.25 ng
RT: 7.093 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 93 Resp: 5557

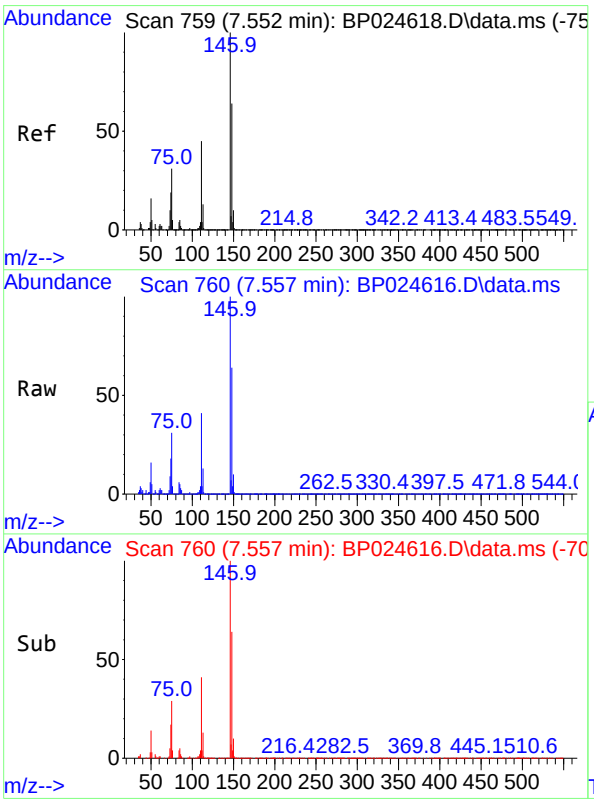
Ion	Ratio	Lower	Upper
93	100		
63	69.5	50.6	90.6
95	32.4	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

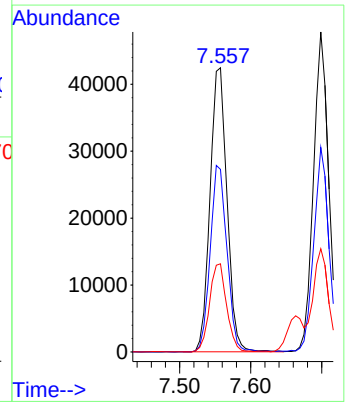
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

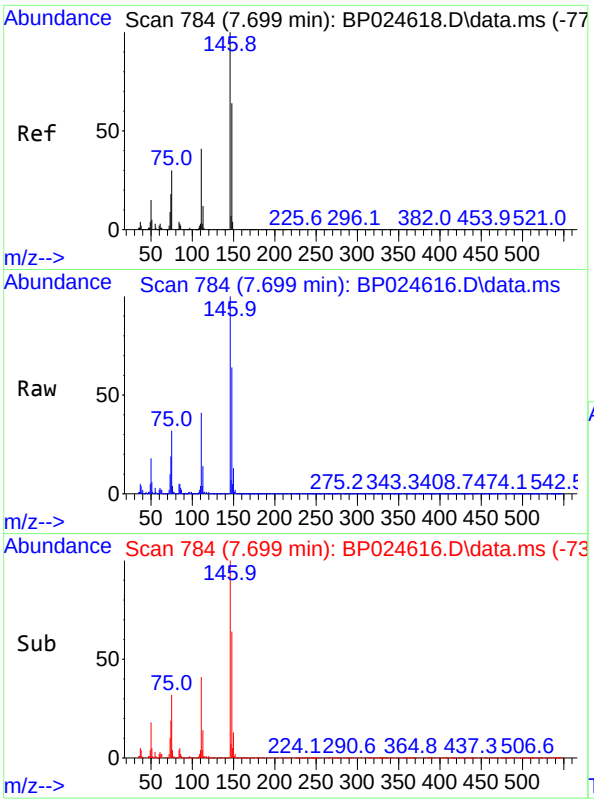


#12
1,3-Dichlorobenzene
Concen: 9.73 ng
RT: 7.557 min Scan# 760
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:146 Resp: 70590

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

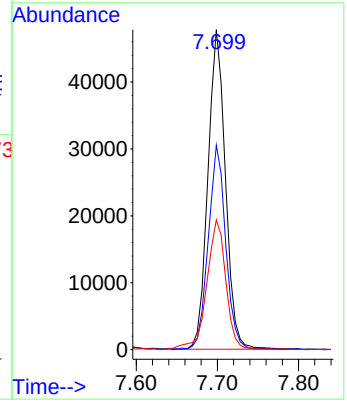




#13
1,4-Dichlorobenzene
Concen: 9.80 ng
RT: 7.699 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:146 Resp: 7146

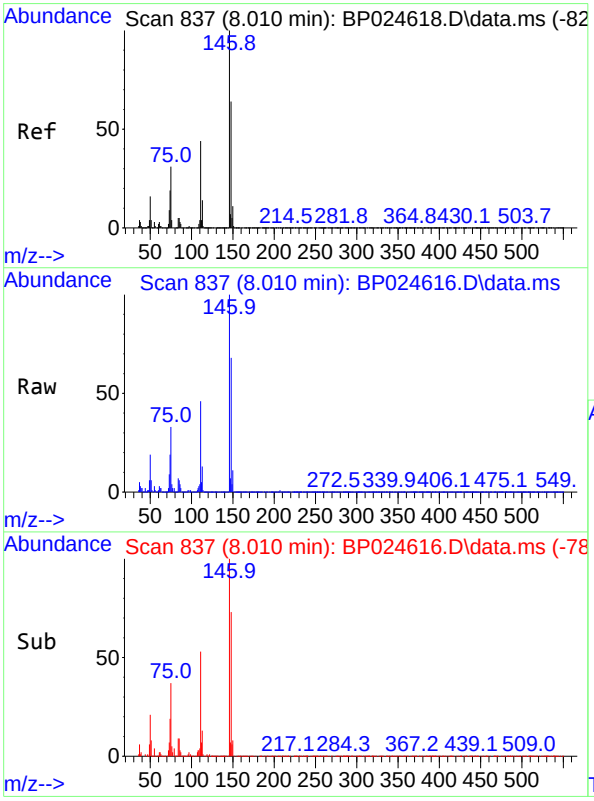
Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.0	76.6
111	40.6	33.0	49.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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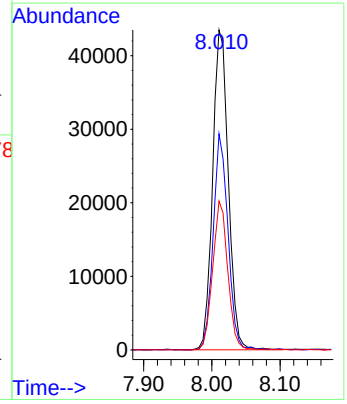
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

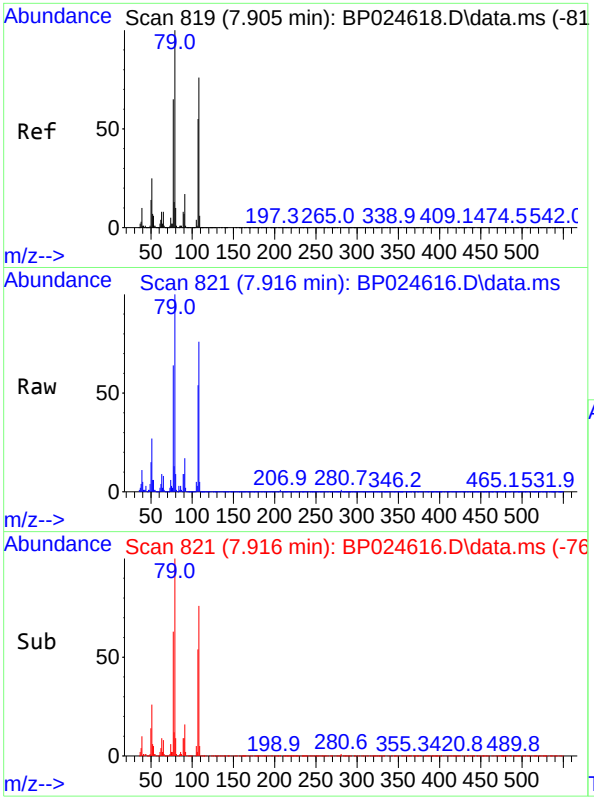


#14
1,2-Dichlorobenzene
Concen: 9.80 ng
RT: 8.010 min Scan# 837
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:146 Resp: 69643

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





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

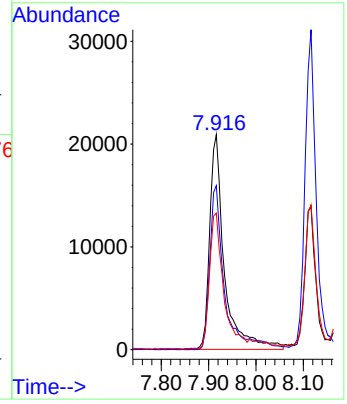
Tgt Ion: 79 Resp: 4509

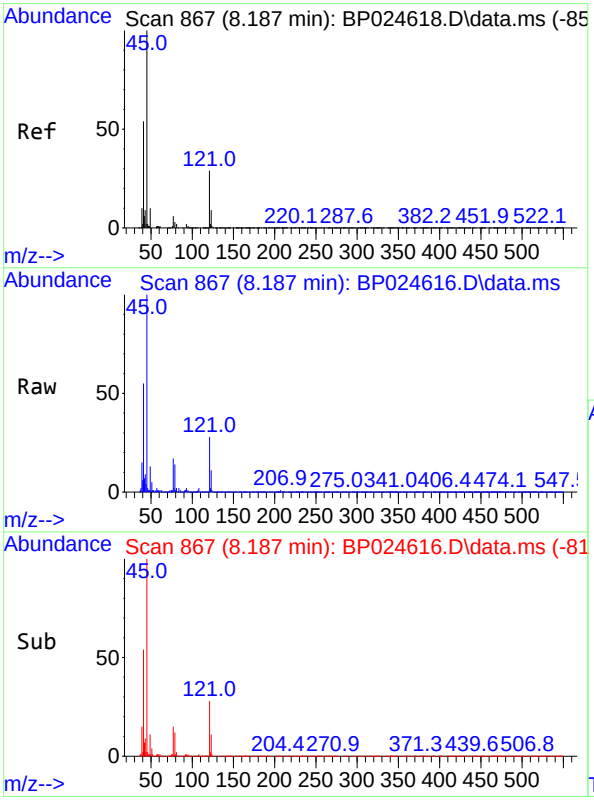
Ion	Ratio	Lower	Upper
79	100		
108	76.3	60.8	91.2
77	63.5	51.9	77.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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

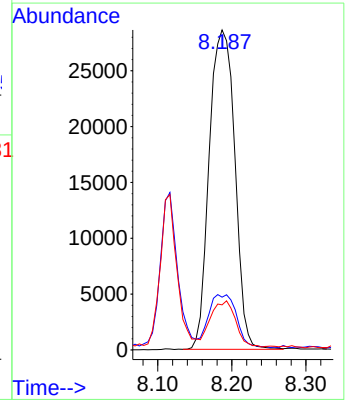


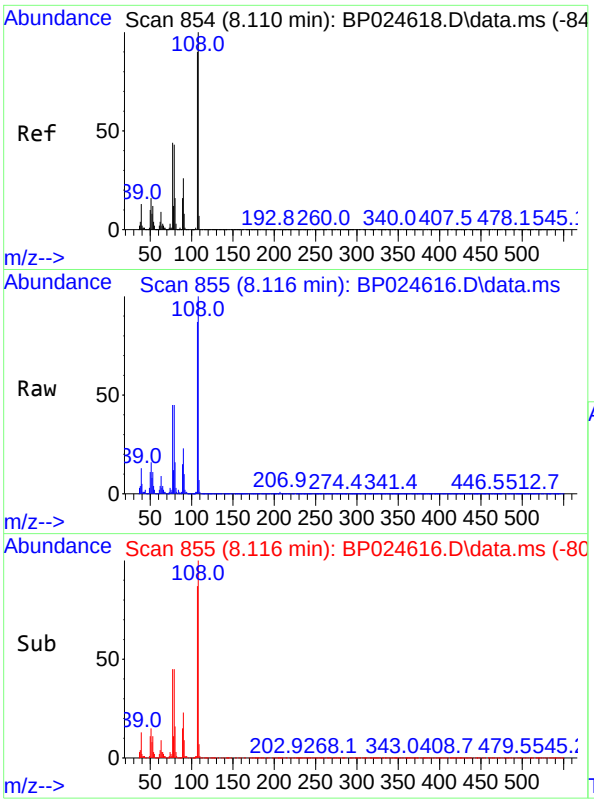


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.53 ng
RT: 8.187 min Scan# 867
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 45 Resp: 68599

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

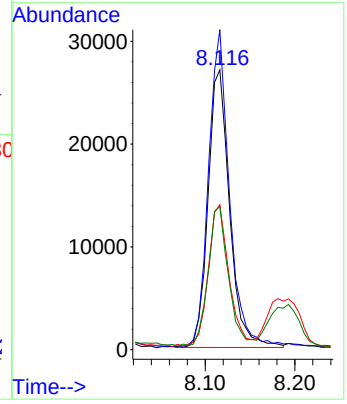




#17
2-Methylphenol
Concen: 8.59 ng
RT: 8.116 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:107 Resp: 4507

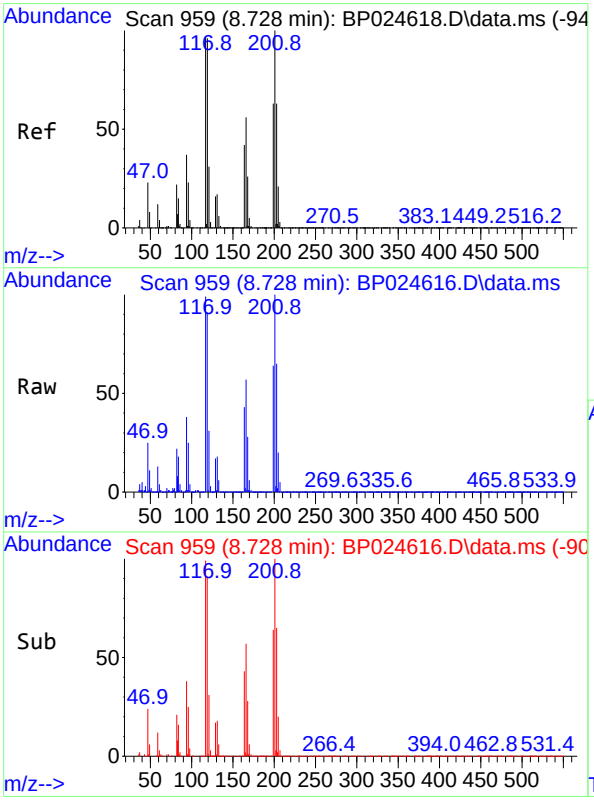
Ion	Ratio	Lower	Upper
107	100		
108	114.4	88.9	133.3
77	51.8	39.0	58.6
79	51.1	38.4	57.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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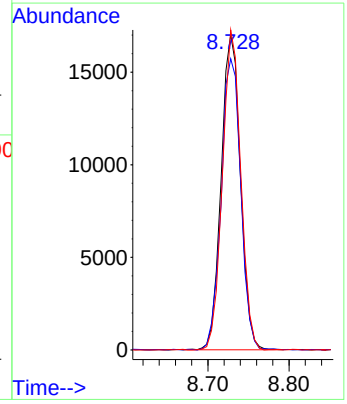
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

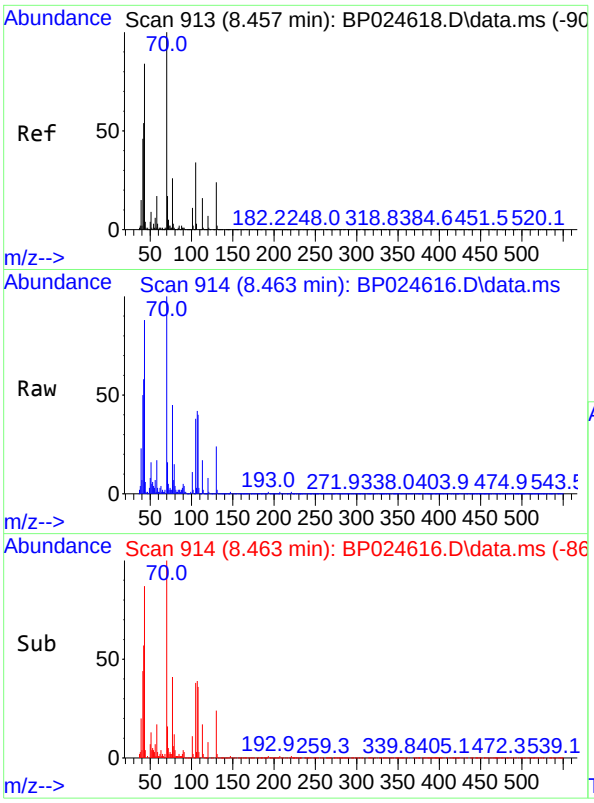


#18
Hexachloroethane
Concen: 10.05 ng
RT: 8.728 min Scan# 959
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:117 Resp: 28078

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

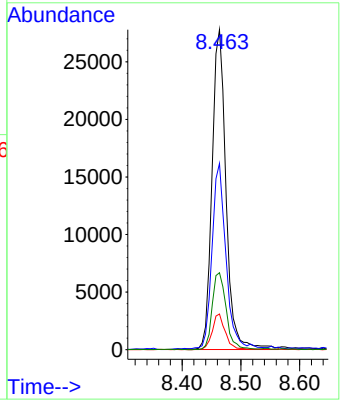




#19
n-Nitroso-di-n-propylamine
Concen: 9.37 ng
RT: 8.463 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 70 Resp: 4592

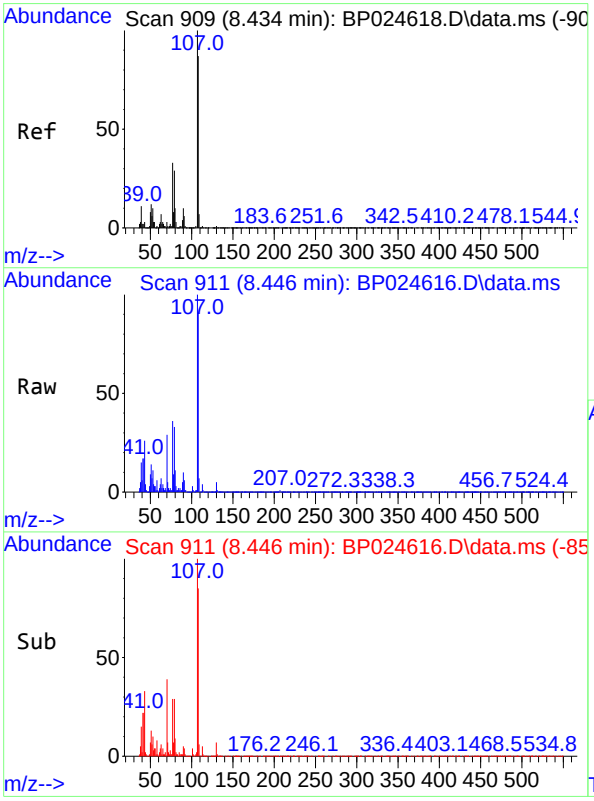
Ion	Ratio	Lower	Upper
70	100		
42	58.2	43.0	64.6
101	11.2	8.7	13.1
130	24.1	19.4	29.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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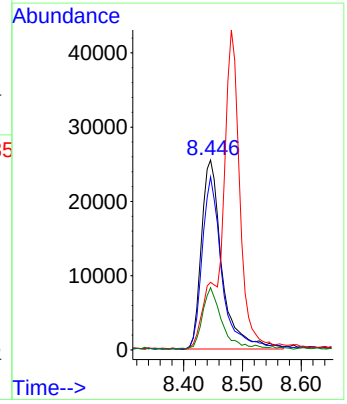
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

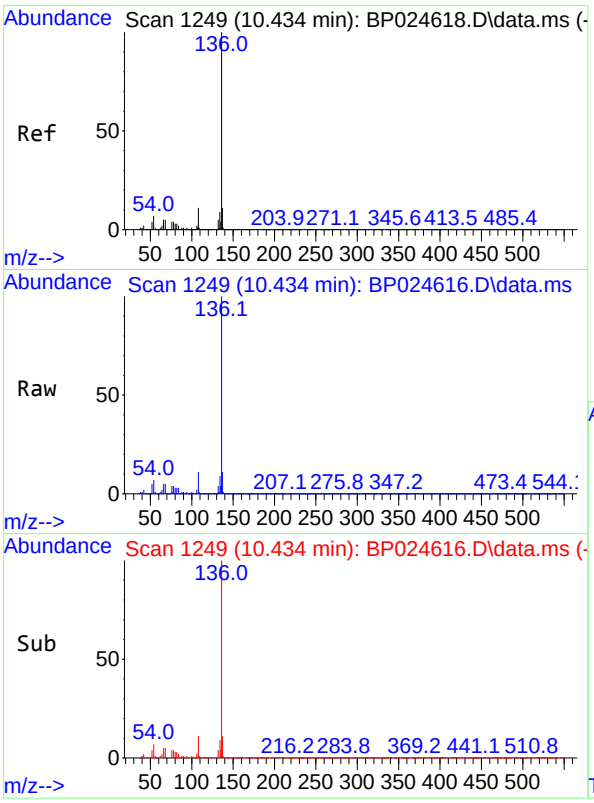


#20
3+4-Methylphenols
Concen: 8.66 ng
RT: 8.446 min Scan# 911
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:107 Resp: 61832

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

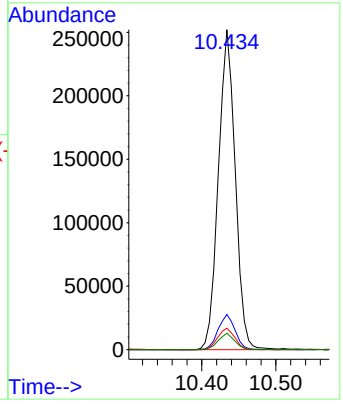




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:136 Resp: 39865

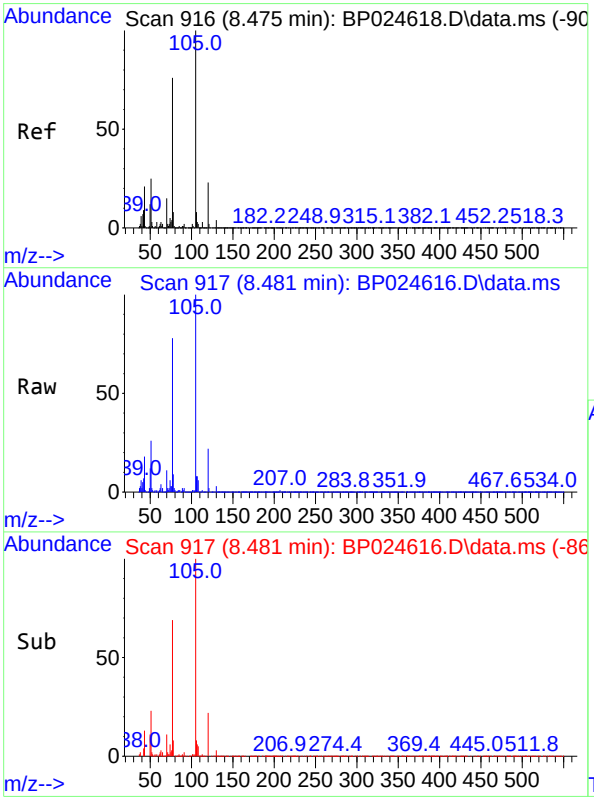
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.7	5.5	8.3
68	5.2	4.2	6.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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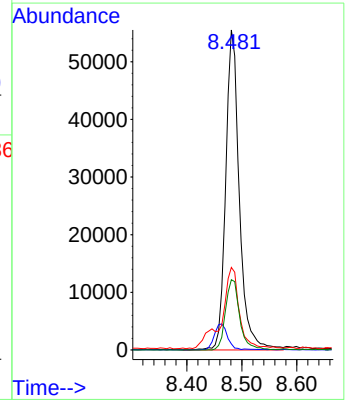
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

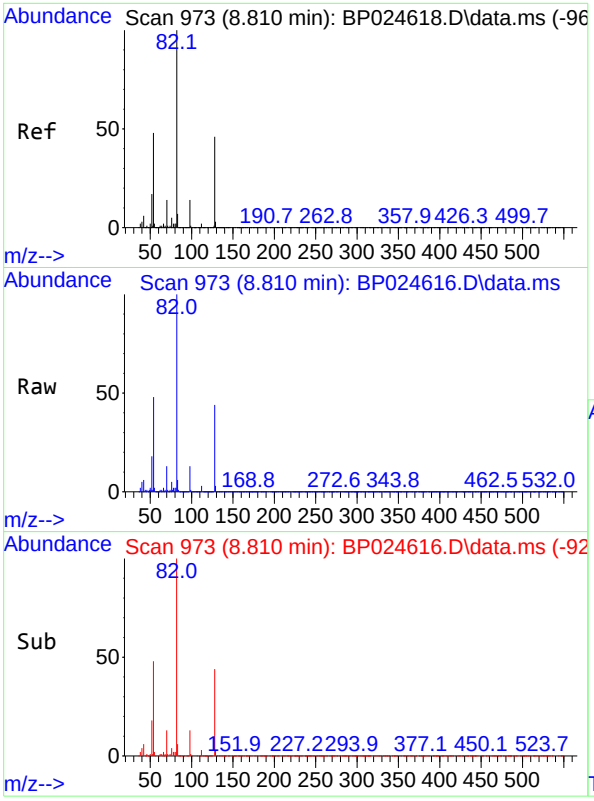


#22
Acetophenone
Concen: 9.62 ng
RT: 8.481 min Scan# 917
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:105 Resp: 95803

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

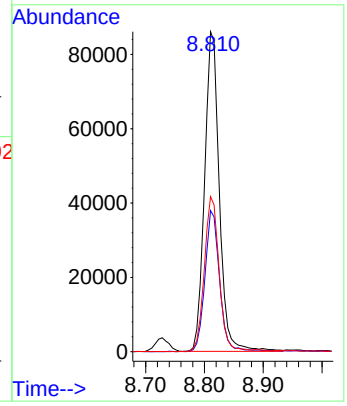




#23
Nitrobenzene-d5
Concen: 19.00 ng
RT: 8.810 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 82 Resp: 14987

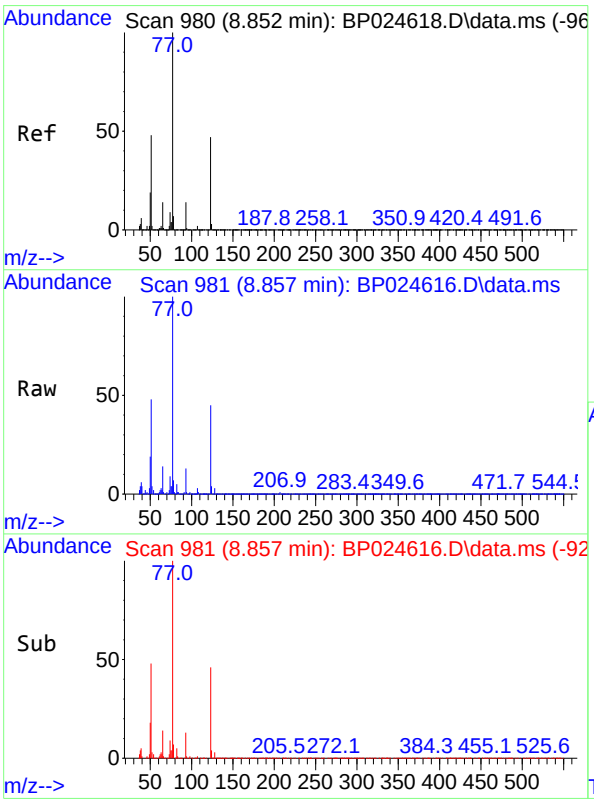
Ion	Ratio	Lower	Upper
82	100		
128	44.1	37.0	55.4
54	48.5	38.7	58.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

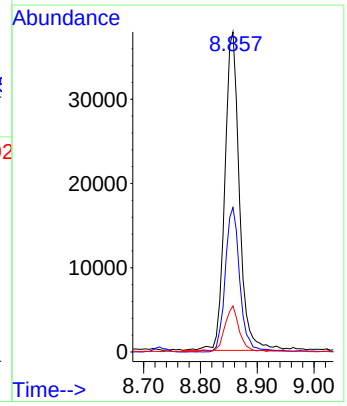
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

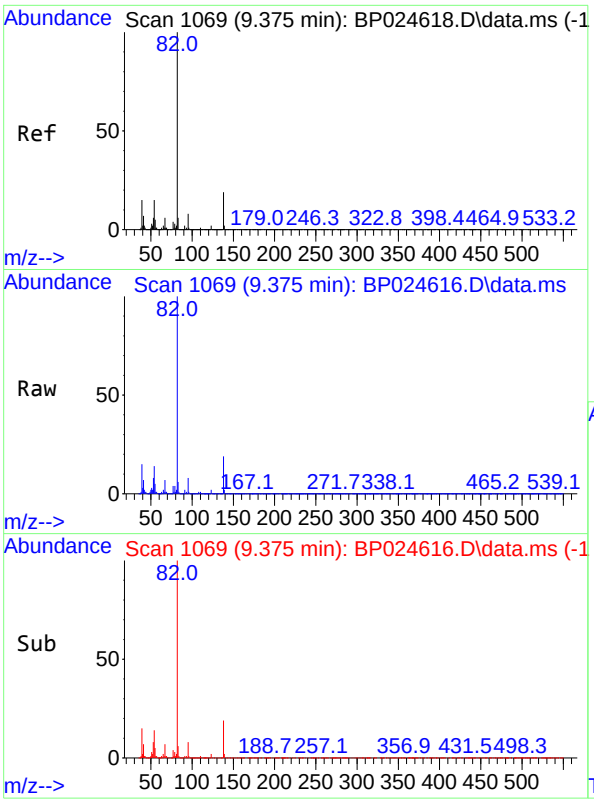


#24
Nitrobenzene
Concen: 9.76 ng
RT: 8.857 min Scan# 981
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 77 Resp: 67735

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

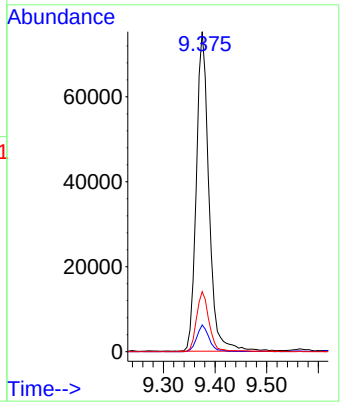




#25
Isophorone
Concen: 9.31 ng
RT: 9.375 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 82 Resp: 12747

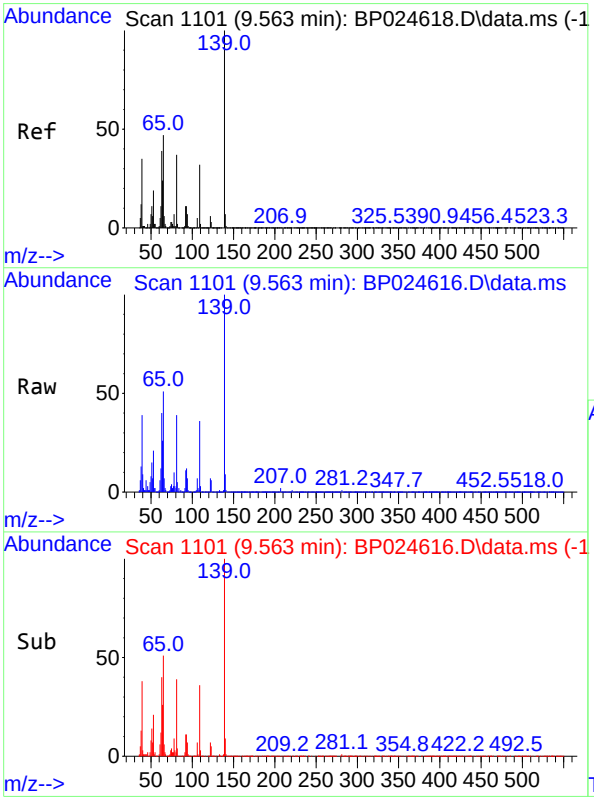
Ion	Ratio	Lower	Upper
82	100		
95	8.4	6.3	9.5
138	18.7	15.3	22.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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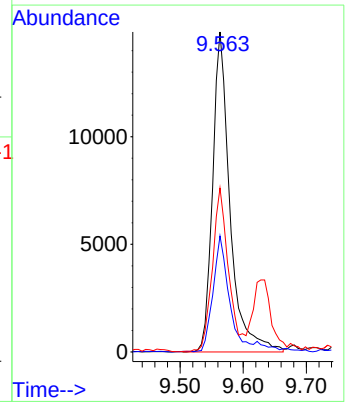
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

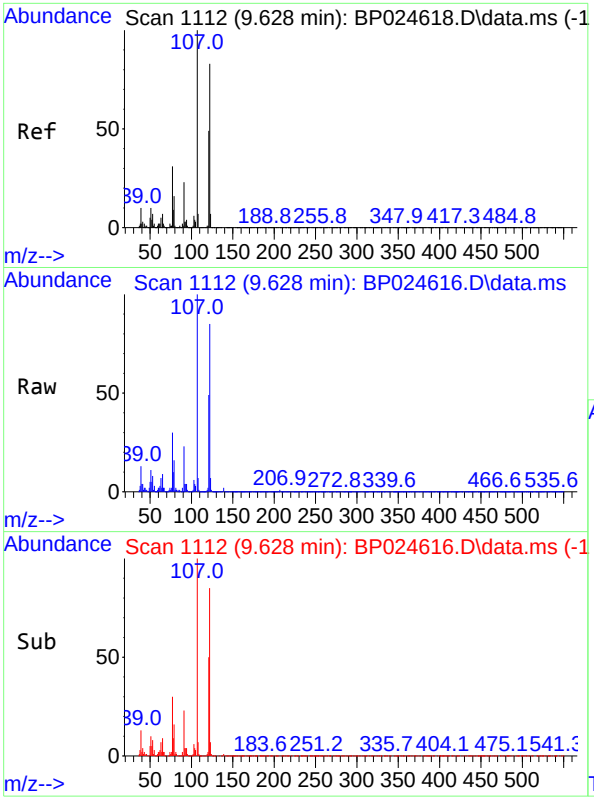


#26
2-Nitrophenol
Concen: 8.37 ng
RT: 9.563 min Scan# 1101
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:139 Resp: 28470

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





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

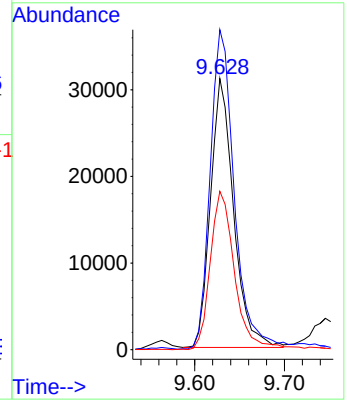
Tgt Ion:122 Resp: 5566

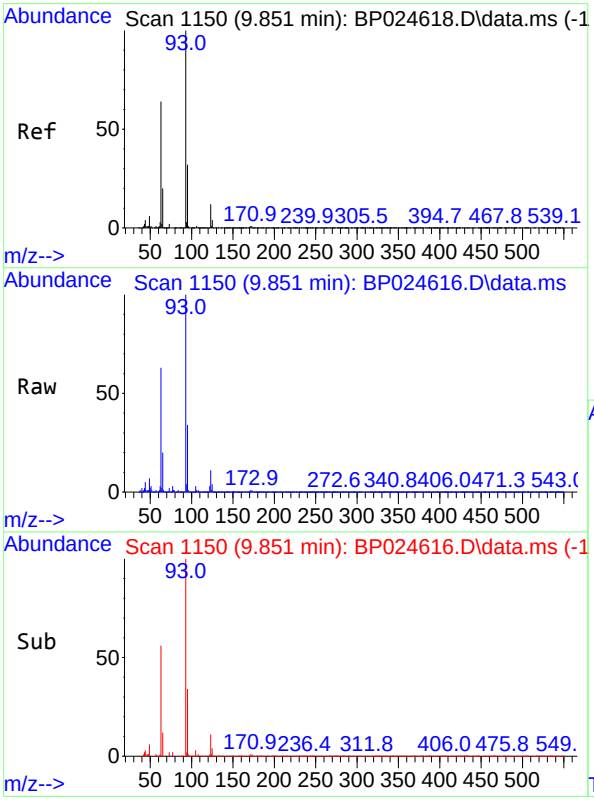
Ion	Ratio	Lower	Upper
122	100		
107	118.0	96.2	144.2
121	58.4	47.6	71.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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

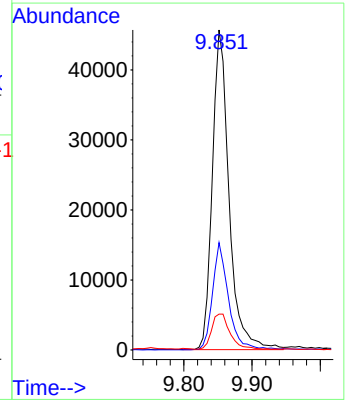


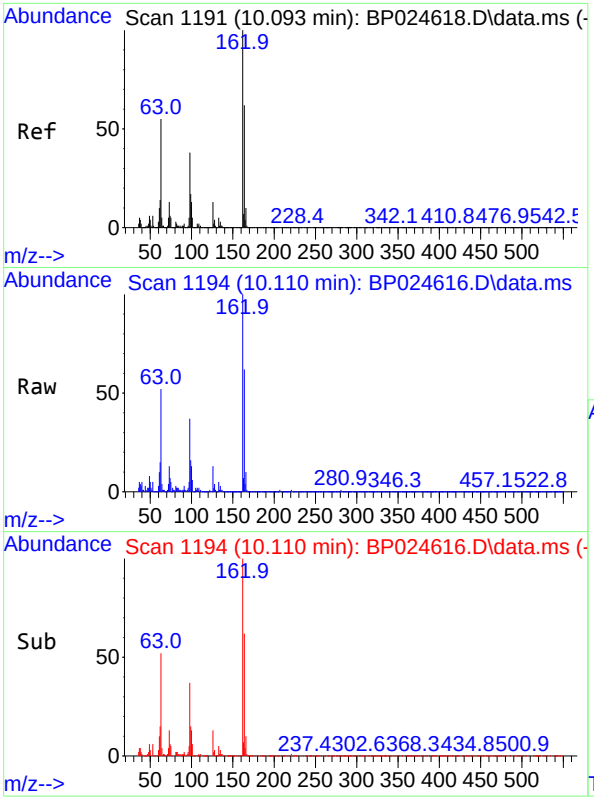


#28
bis(2-Chloroethoxy)methane
Concen: 9.54 ng
RT: 9.851 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 93 Resp: 78019

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

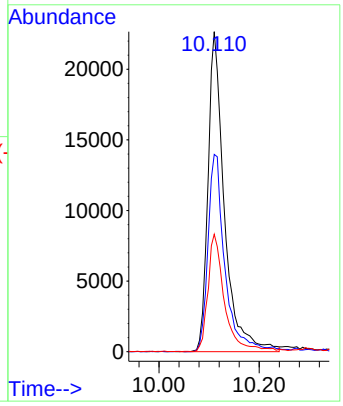




#29
2,4-Dichlorophenol
Concen: 8.84 ng
RT: 10.110 min Scan# 11
Delta R.T. 0.018 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:162 Resp: 5138

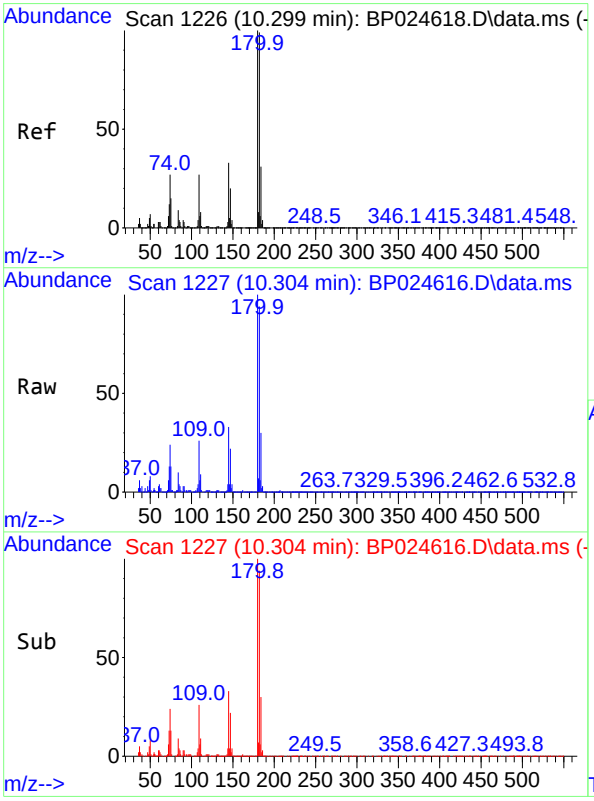
Ion	Ratio	Lower	Upper
162	100		
164	61.7	42.3	82.3
98	36.7	18.4	58.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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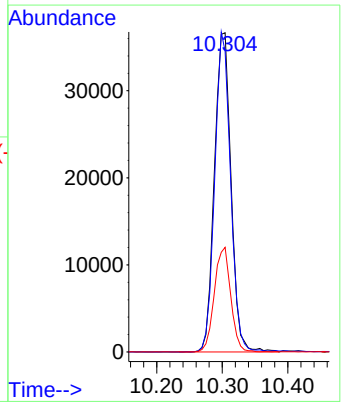
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

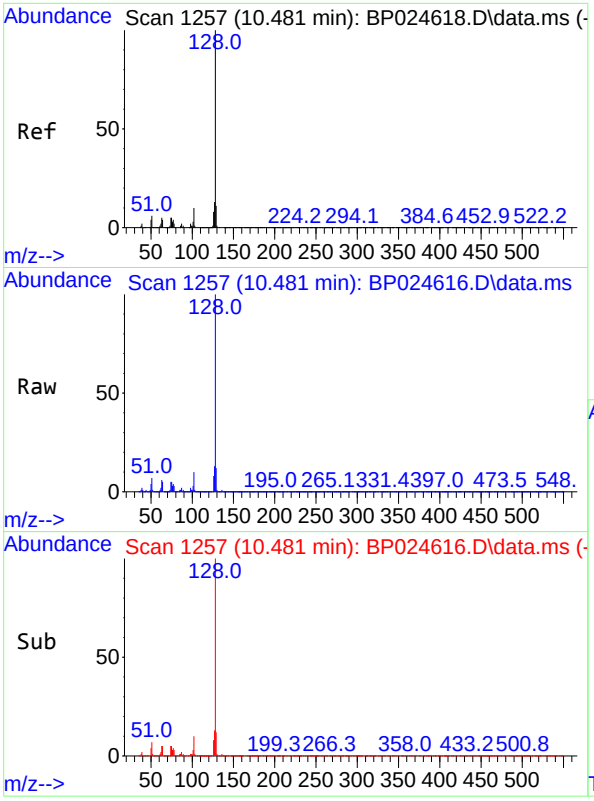


#30
1,2,4-Trichlorobenzene
Concen: 9.81 ng
RT: 10.304 min Scan# 1227
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:180 Resp: 64245

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

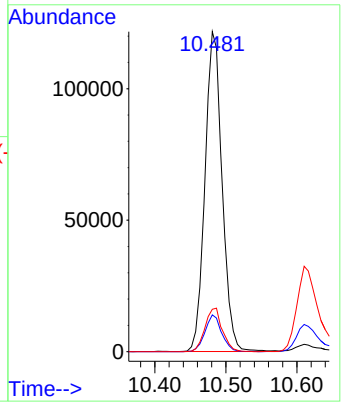




#31
Naphthalene
Concen: 9.90 ng
RT: 10.481 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:128 Resp: 20446

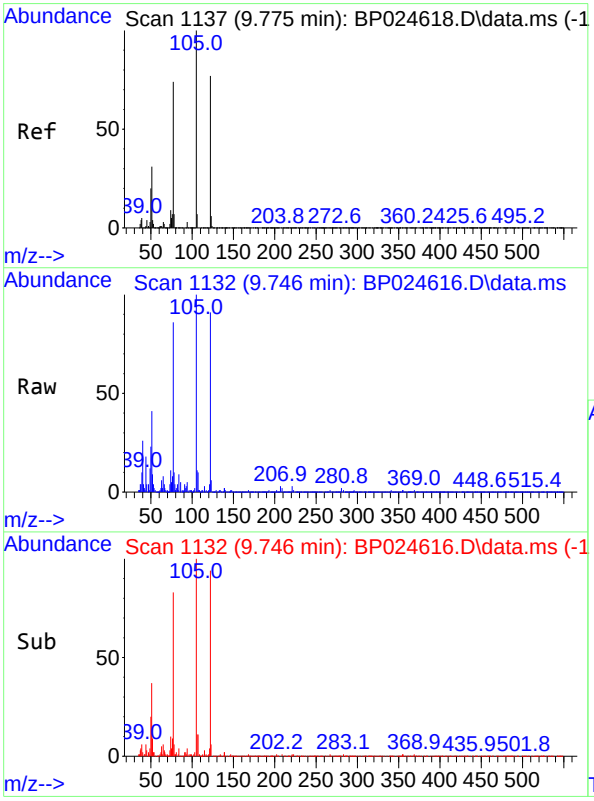
Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.8	13.2
127	13.2	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

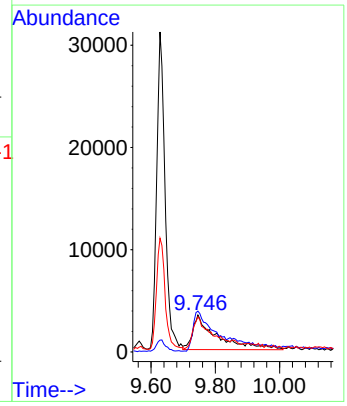
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

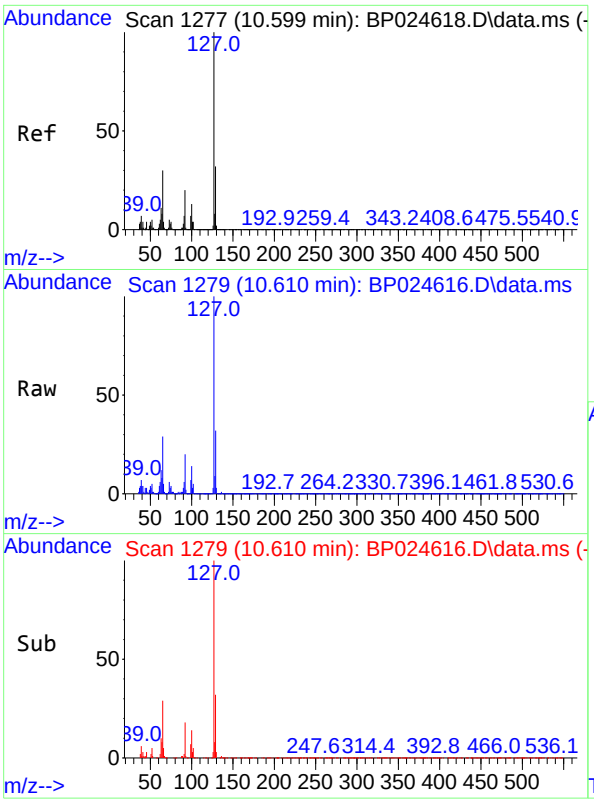


#32
Benzoic acid
Concen: 10.42 ng m
RT: 9.746 min Scan# 1132
Delta R.T. -0.029 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:122 Resp: 17770

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

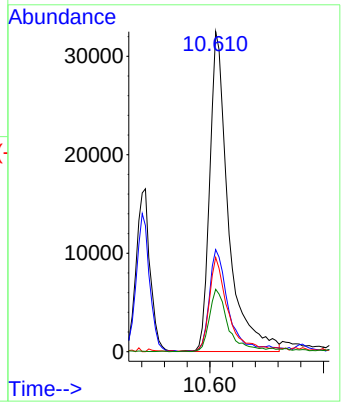




#33
4-Chloroaniline
Concen: 8.88 ng
RT: 10.610 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:127 Resp: 7399

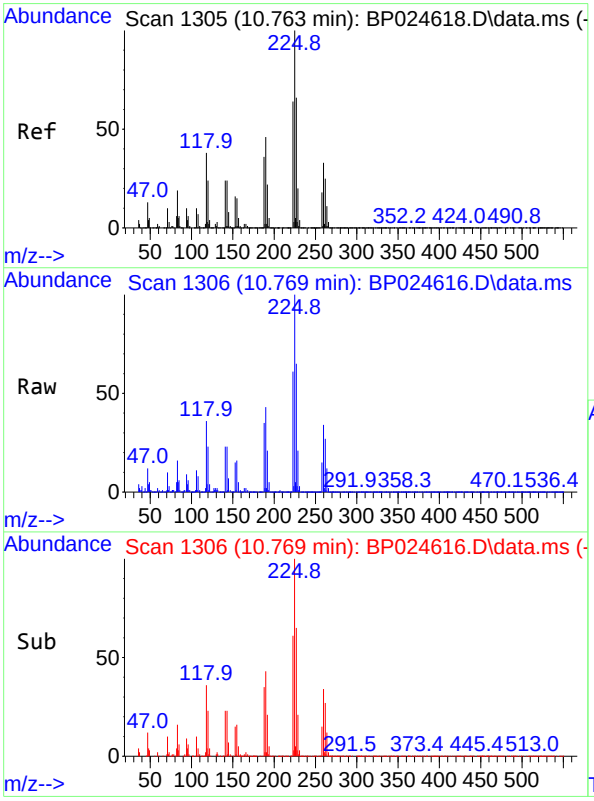
Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.8	38.6
65	29.5	23.9	35.9
92	19.5	16.1	24.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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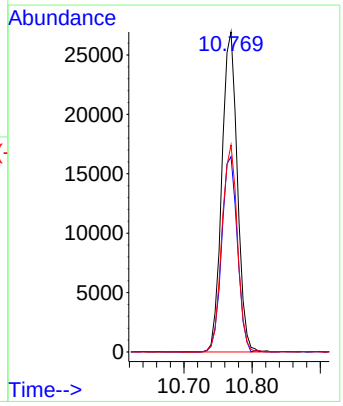
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

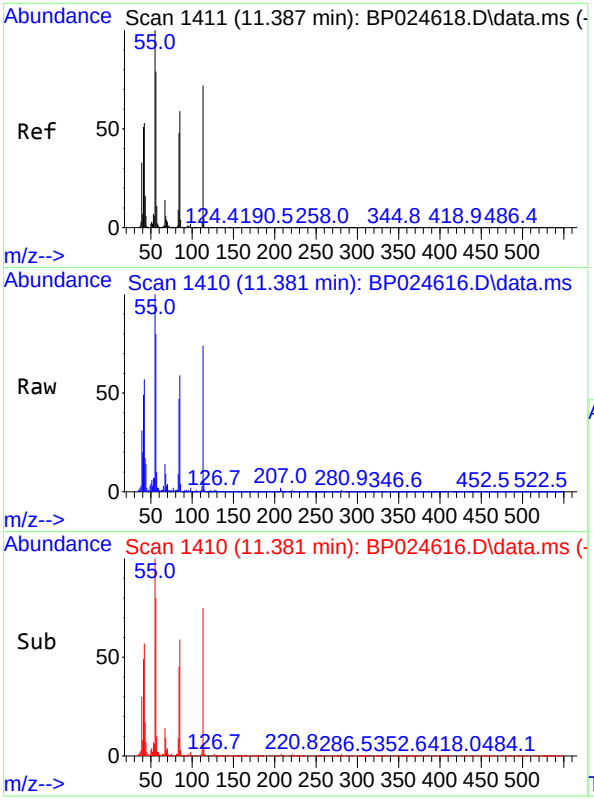


#34
Hexachlorobutadiene
Concen: 10.03 ng
RT: 10.769 min Scan# 1306
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:225 Resp: 42567

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

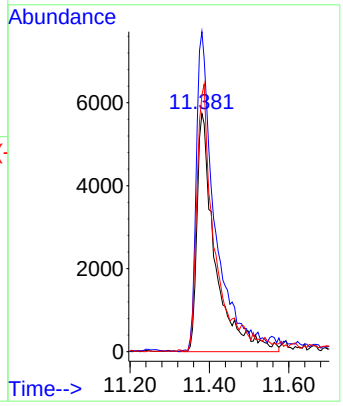




#35
Caprolactam
Concen: 8.68 ng m
RT: 11.381 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:113 Resp: 1824

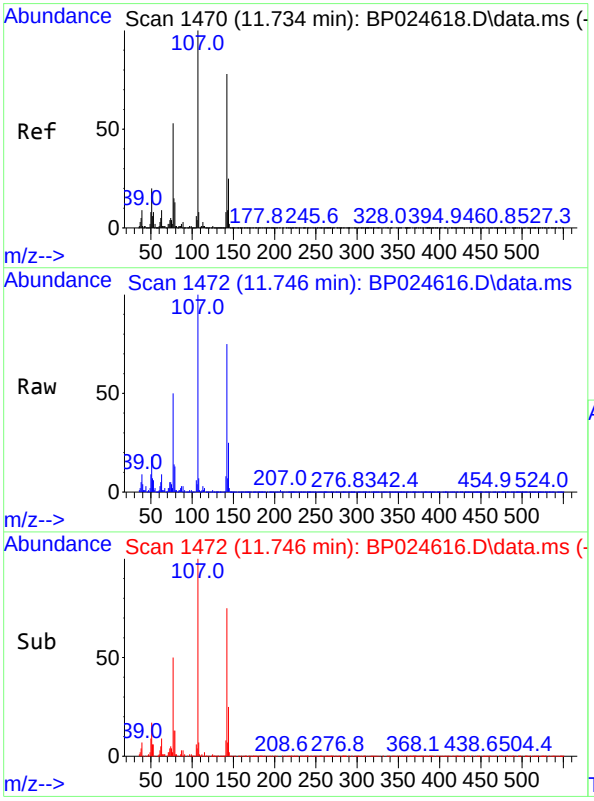
Ion	Ratio	Lower	Upper
113	100		
55	134.4	119.0	159.0
56	107.7	90.3	130.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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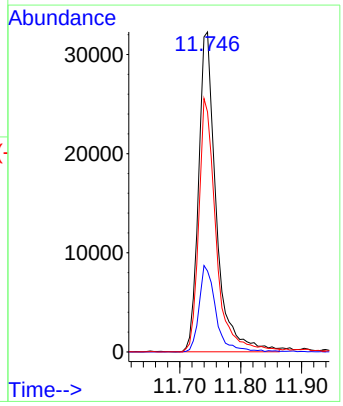
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

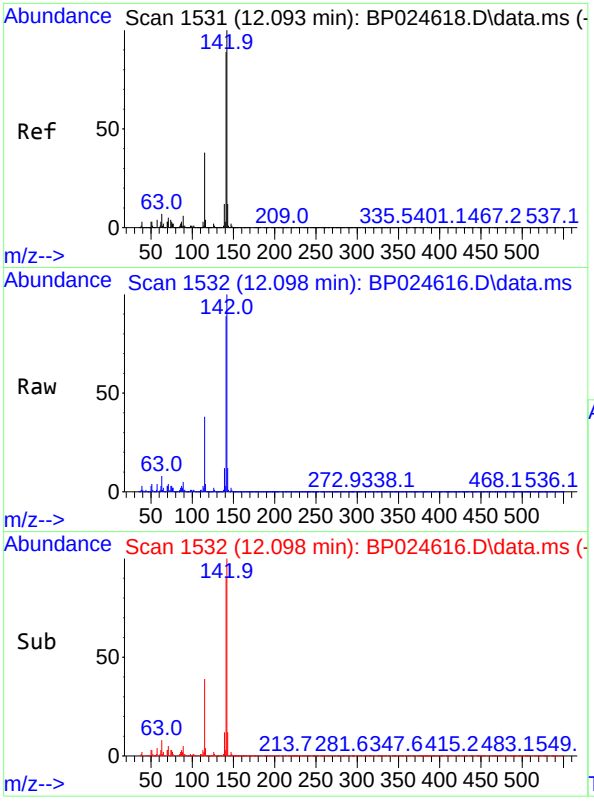


#36
4-Chloro-3-methylphenol
Concen: 9.15 ng
RT: 11.746 min Scan# 1472
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:107 Resp: 64857

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





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

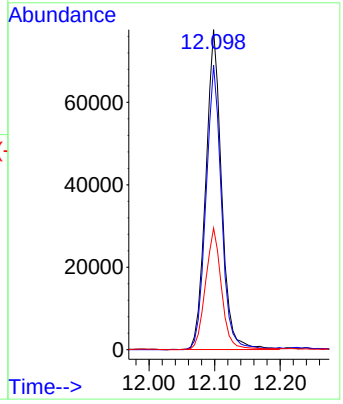
Tgt Ion:142 Resp: 13041

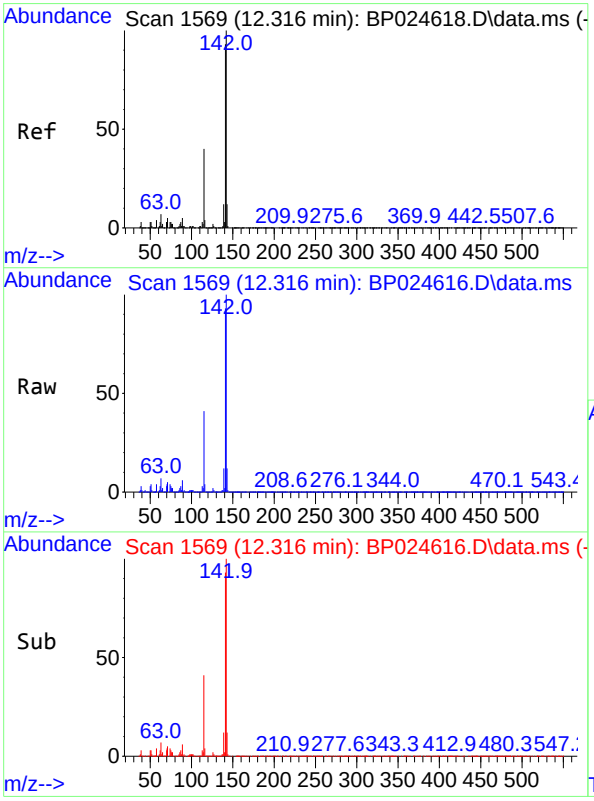
Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.2	106.8
115	38.0	30.6	46.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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

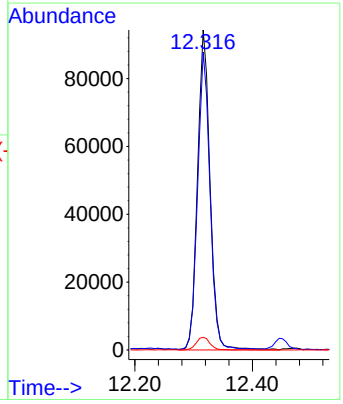


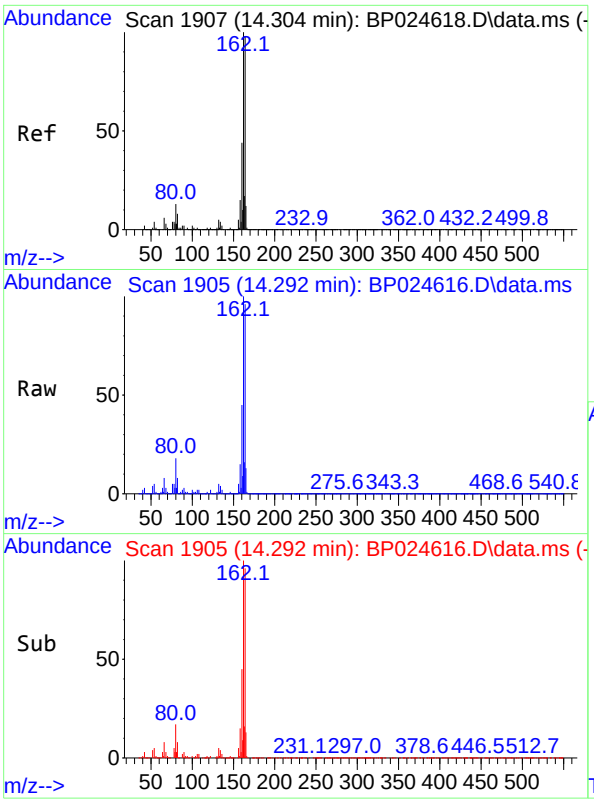


#38
1-Methylnaphthalene
Concen: 9.75 ng
RT: 12.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:142 Resp: 139573

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

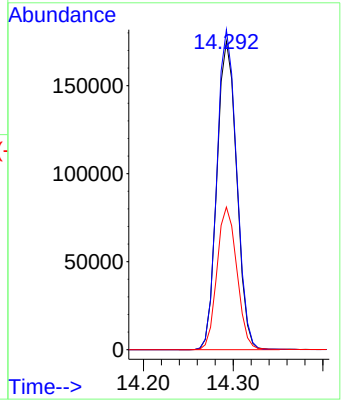




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.292 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:164 Resp: 26833

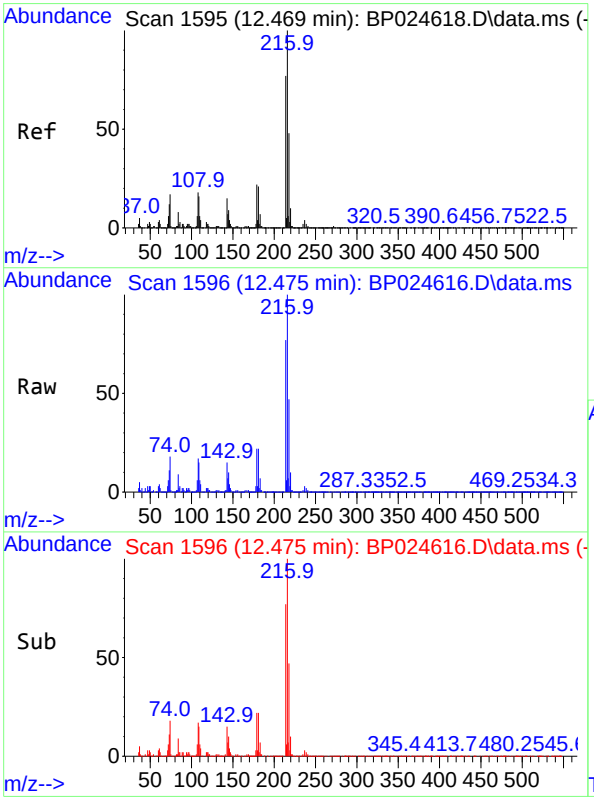
Ion	Ratio	Lower	Upper
164	100		
162	103.8	81.8	122.6
160	46.2	36.3	54.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

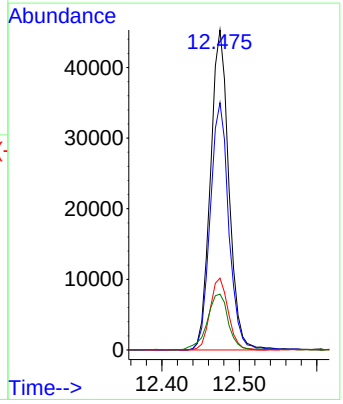
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

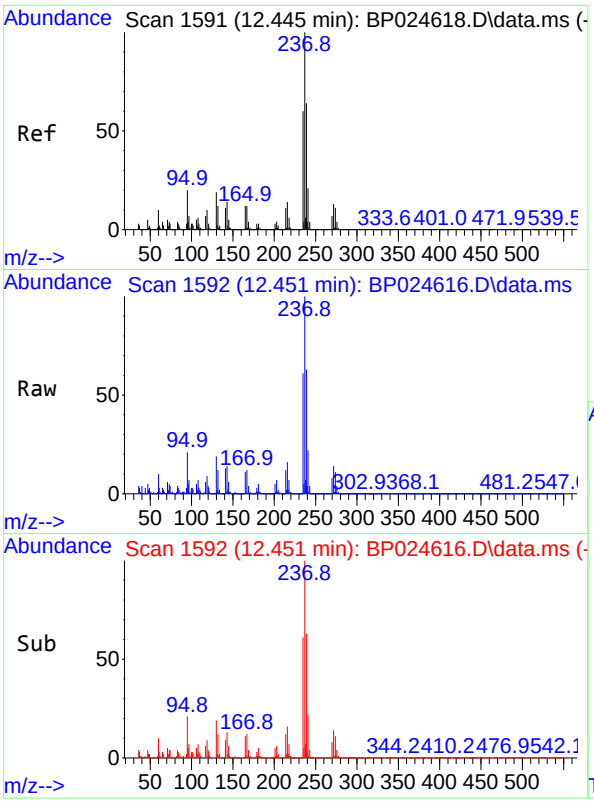


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.60 ng
RT: 12.475 min Scan# 1596
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:216 Resp: 74824

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

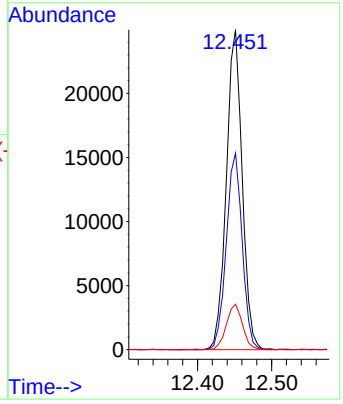




#41
Hexachlorocyclopentadiene
Concen: 7.85 ng
RT: 12.451 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:237 Resp: 3707

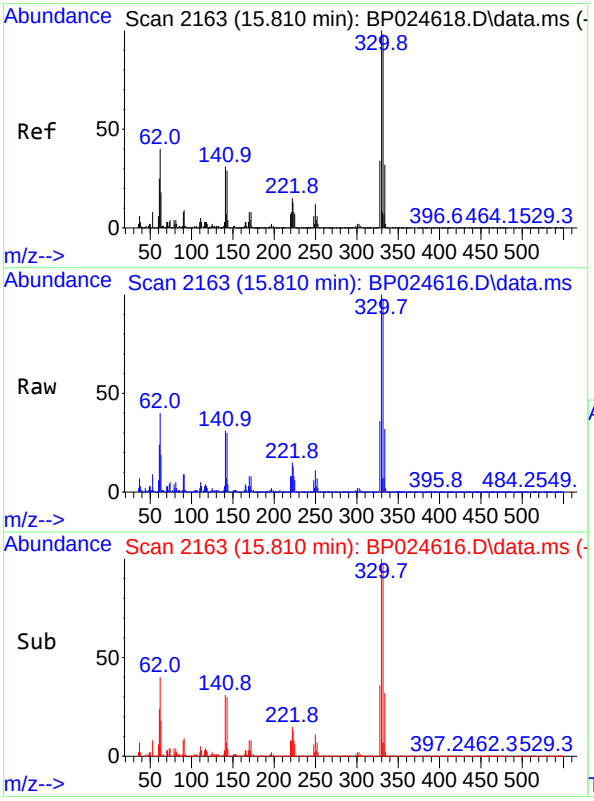
Ion	Ratio	Lower	Upper
237	100		
235	61.4	39.9	79.9
272	14.2	0.0	33.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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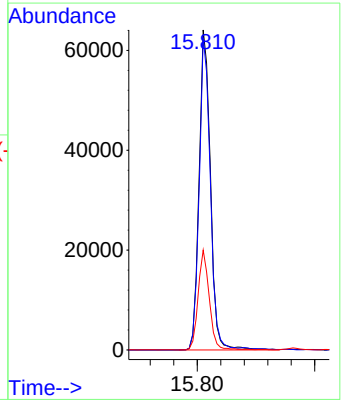
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

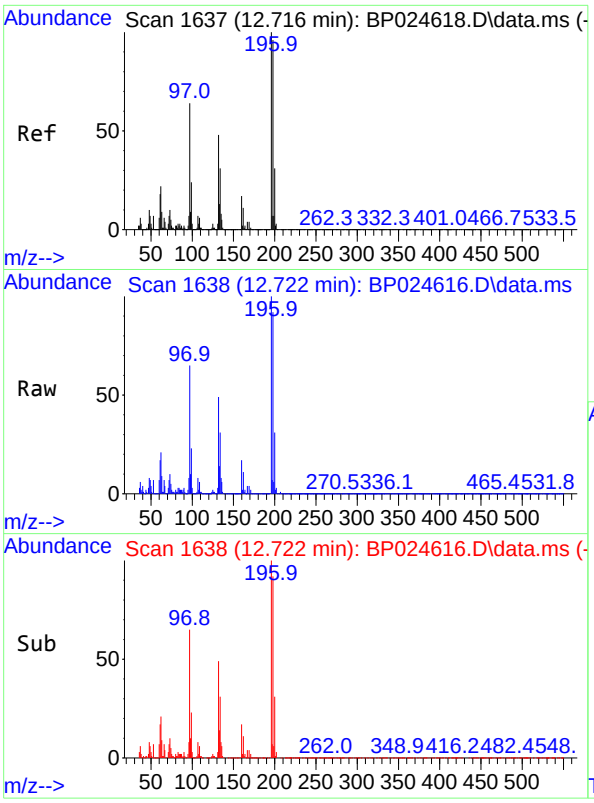


#42
2,4,6-Tribromophenol
Concen: 18.93 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:330 Resp: 86099

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

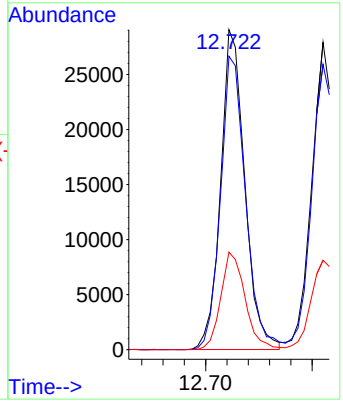




#43
2,4,6-Trichlorophenol
Concen: 9.07 ng
RT: 12.722 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:196 Resp: 4579

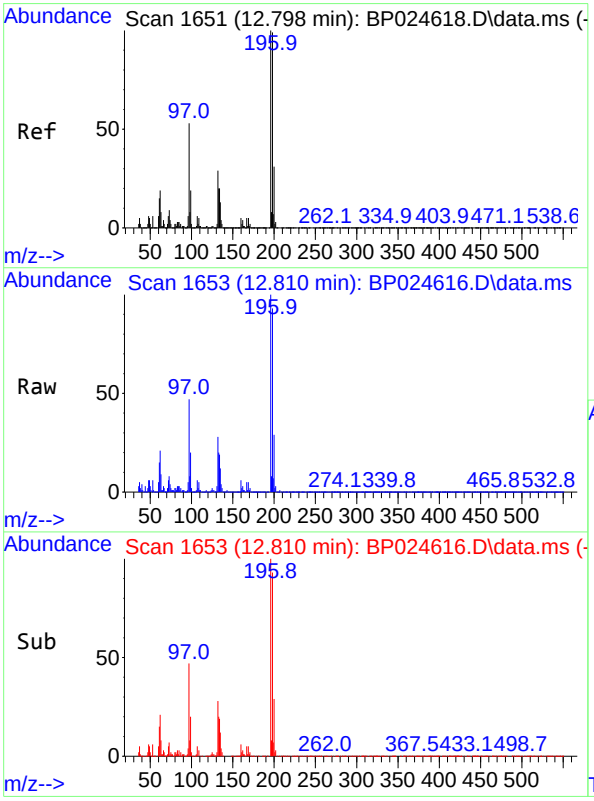
Ion	Ratio	Lower	Upper
196	100		
198	91.7	76.9	115.3
200	30.5	25.2	37.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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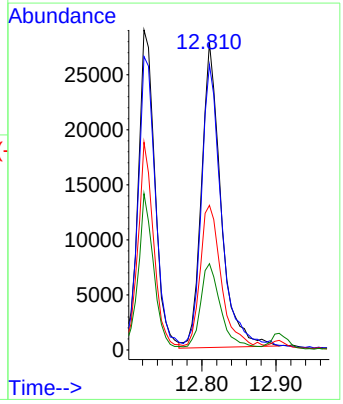
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

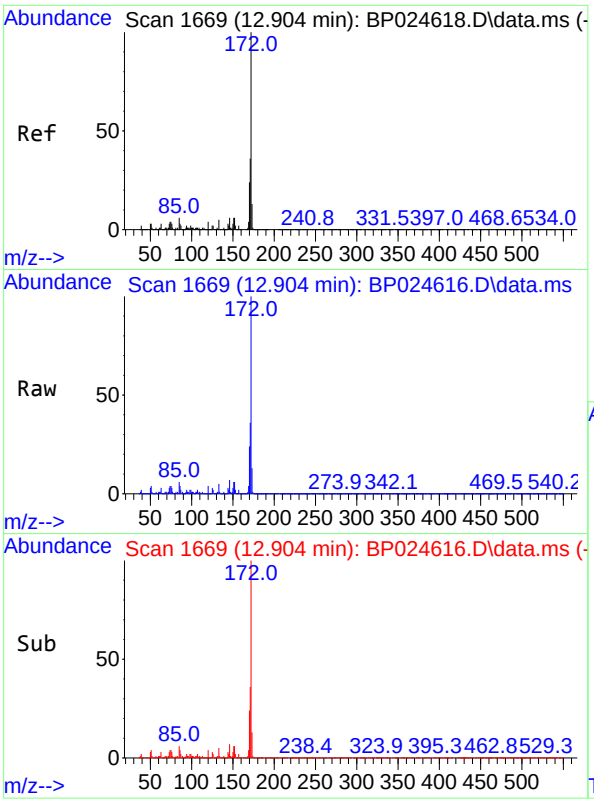


#44
2,4,5-Trichlorophenol
Concen: 8.96 ng
RT: 12.810 min Scan# 1653
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:196 Resp: 50348

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

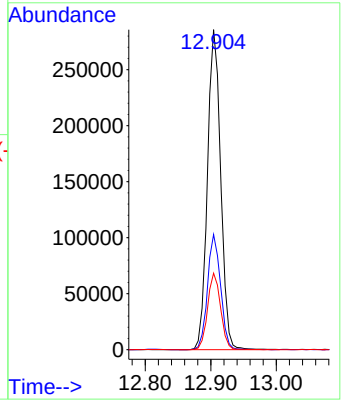




#45
2-Fluorobiphenyl
Concen: 19.63 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:172 Resp: 40198

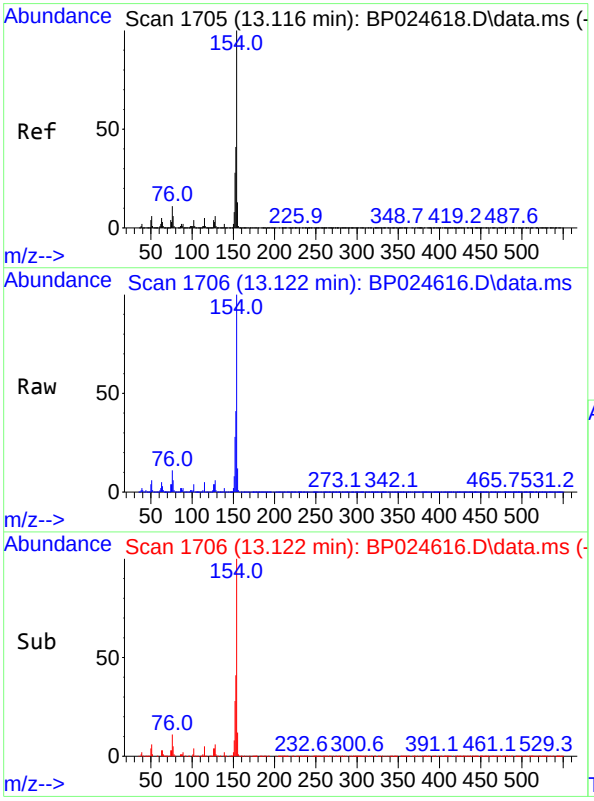
Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.8	43.2
170	23.9	18.8	28.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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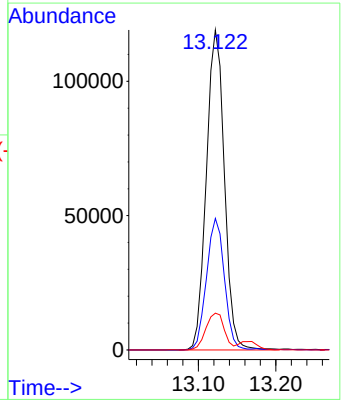
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

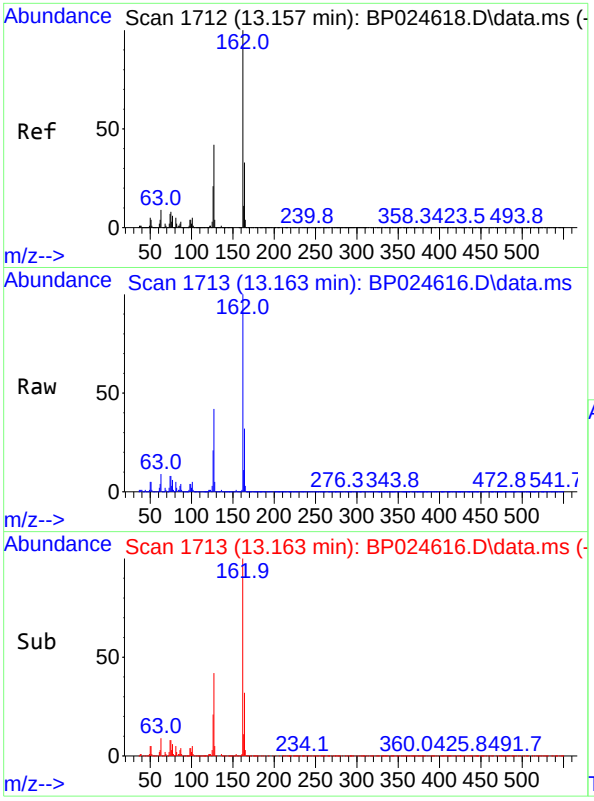


#46
1,1'-Biphenyl
Concen: 9.70 ng
RT: 13.122 min Scan# 1706
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:154 Resp: 192445

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

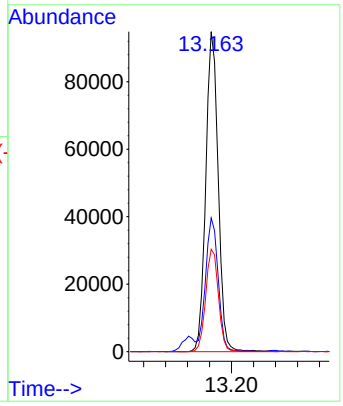




#47
2-Chloronaphthalene
Concen: 9.82 ng
RT: 13.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:162 Resp: 14844

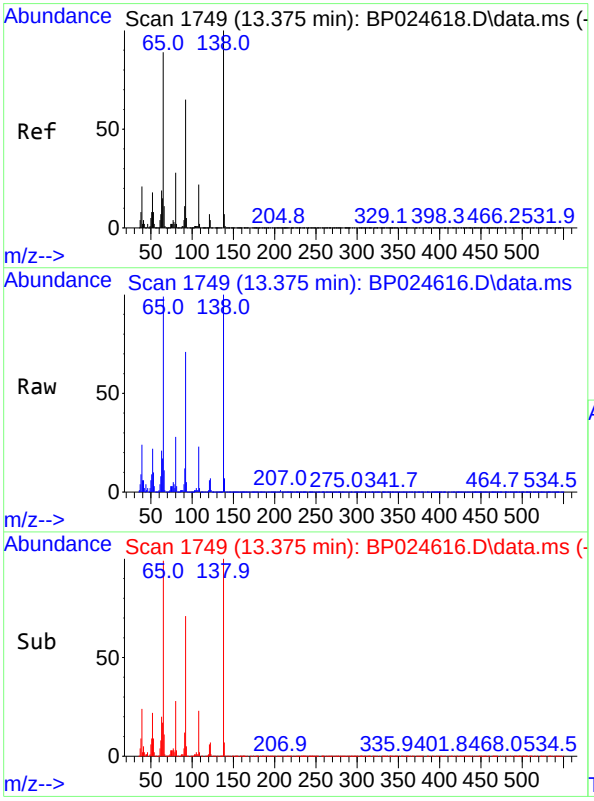
Ion	Ratio	Lower	Upper
162	100		
127	41.8	33.8	50.6
164	32.0	26.0	39.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

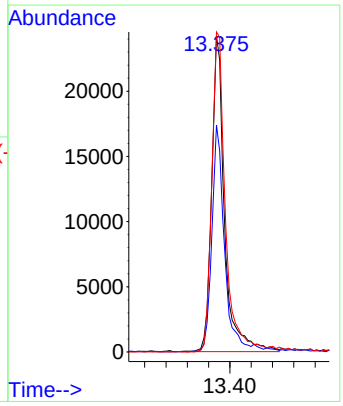
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

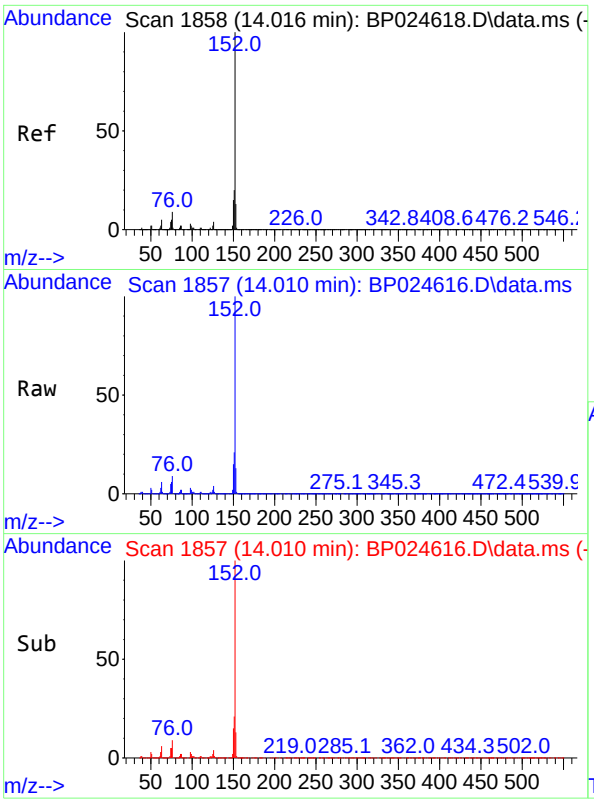


#48
2-Nitroaniline
Concen: 9.11 ng
RT: 13.375 min Scan# 1749
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 65 Resp: 40786

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

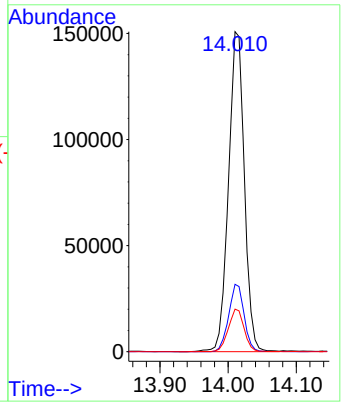




#49
Acenaphthylene
Concen: 9.64 ng
RT: 14.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:152 Resp: 24391

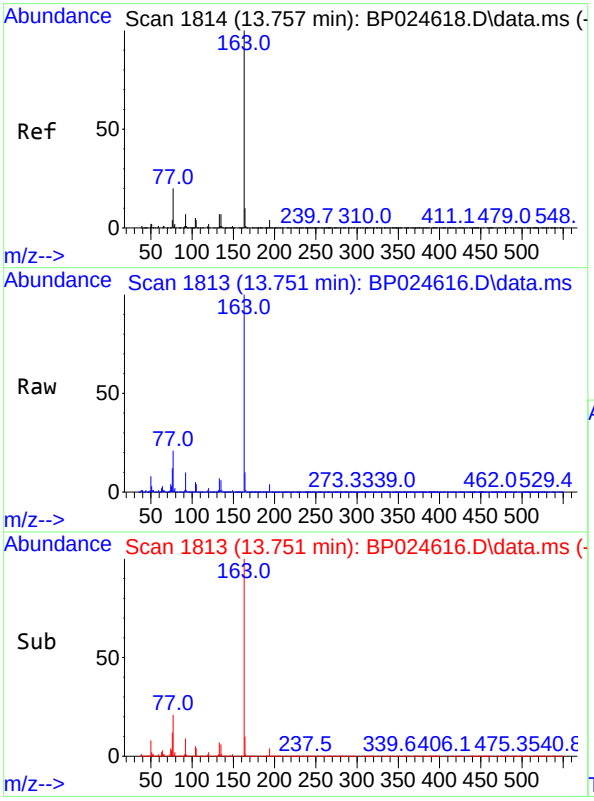
Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.2	24.4
153	13.3	10.2	15.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

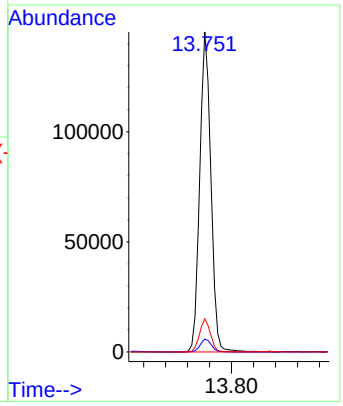
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

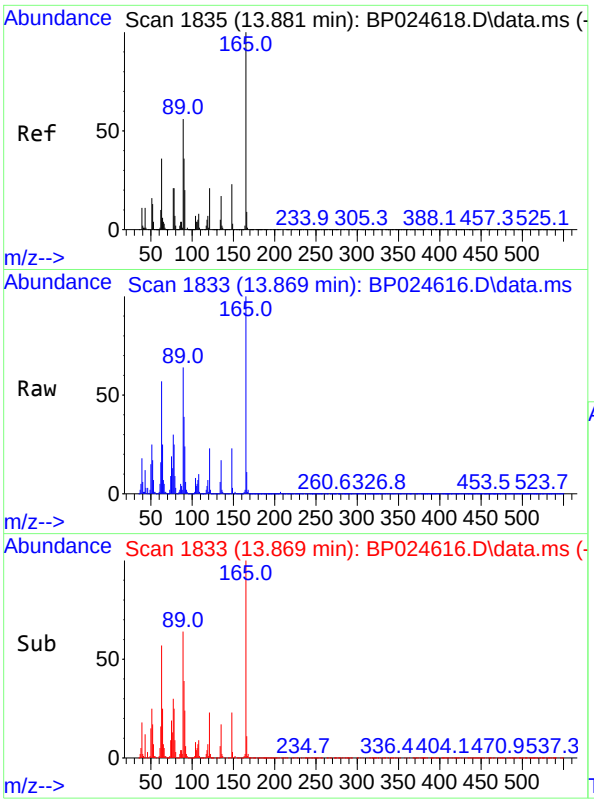


#50
Dimethylphthalate
Concen: 10.01 ng
RT: 13.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:163 Resp: 204825

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





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

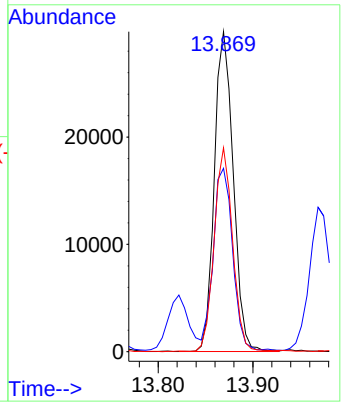
Tgt Ion:165 Resp: 4125

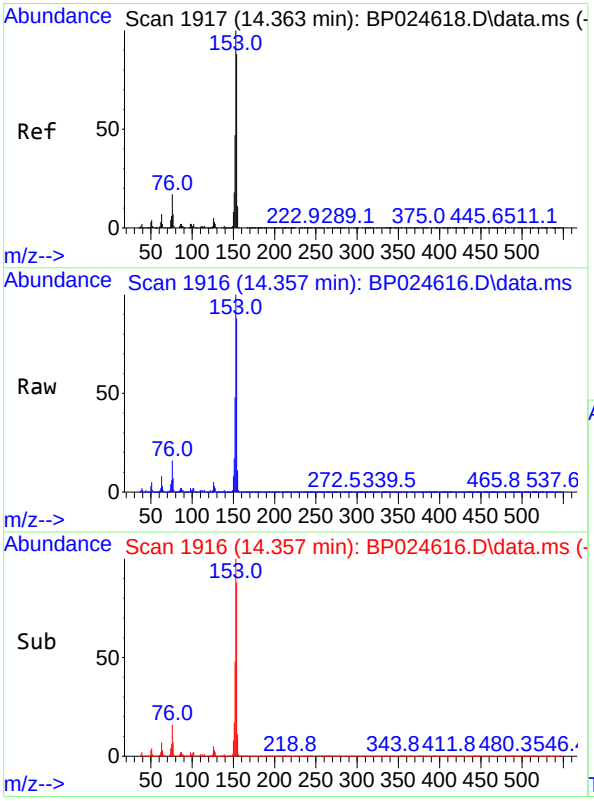
Ion	Ratio	Lower	Upper
165	100		
63	57.3	42.4	63.6
89	63.7	44.8	67.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

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

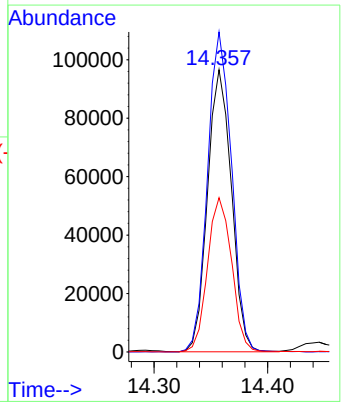


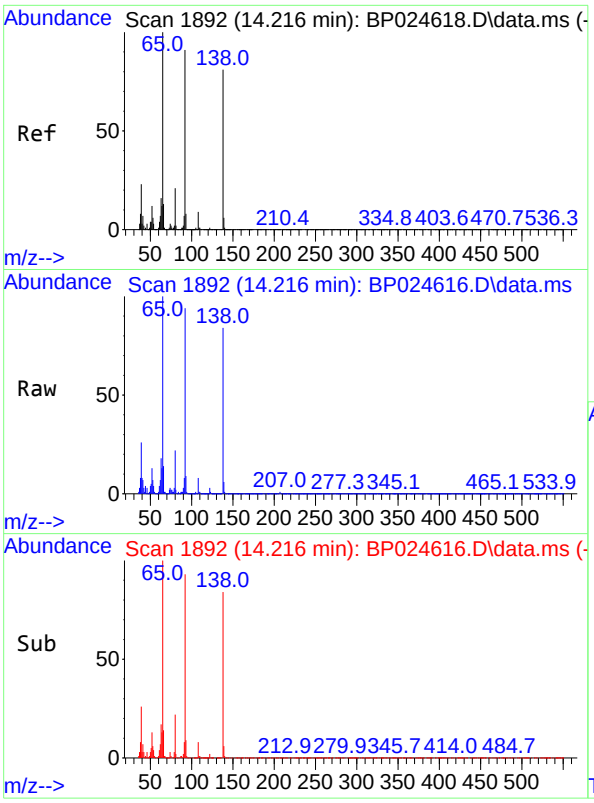


#52
Acenaphthene
Concen: 9.72 ng
RT: 14.357 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:154 Resp: 141360

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





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

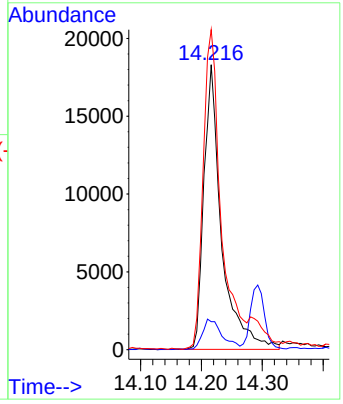
Tgt Ion:138 Resp: 3690

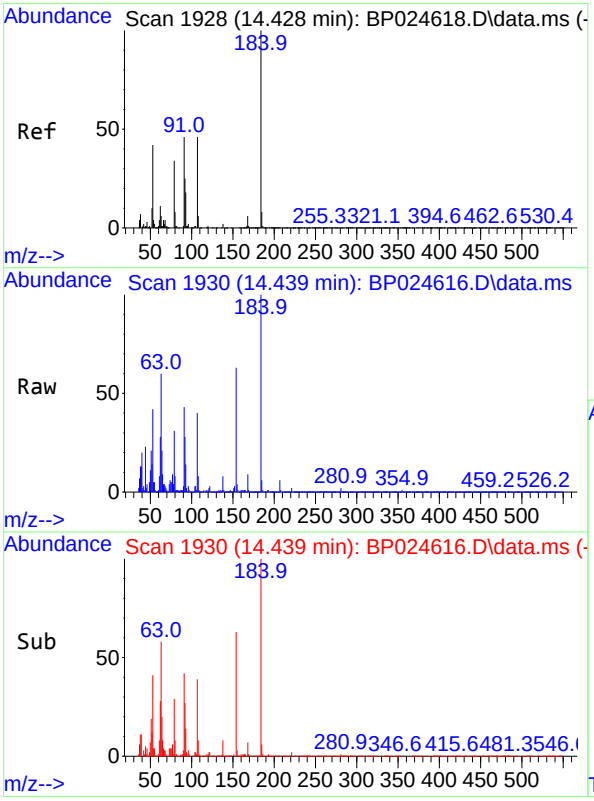
Ion	Ratio	Lower	Upper
138	100		
108	9.9	9.0	13.4
92	112.3	90.1	135.1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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

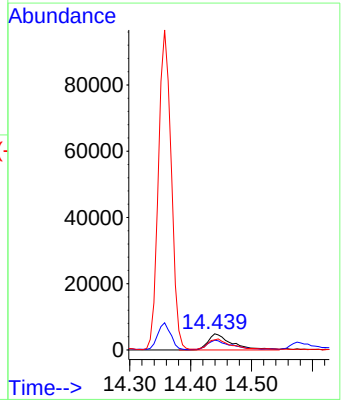


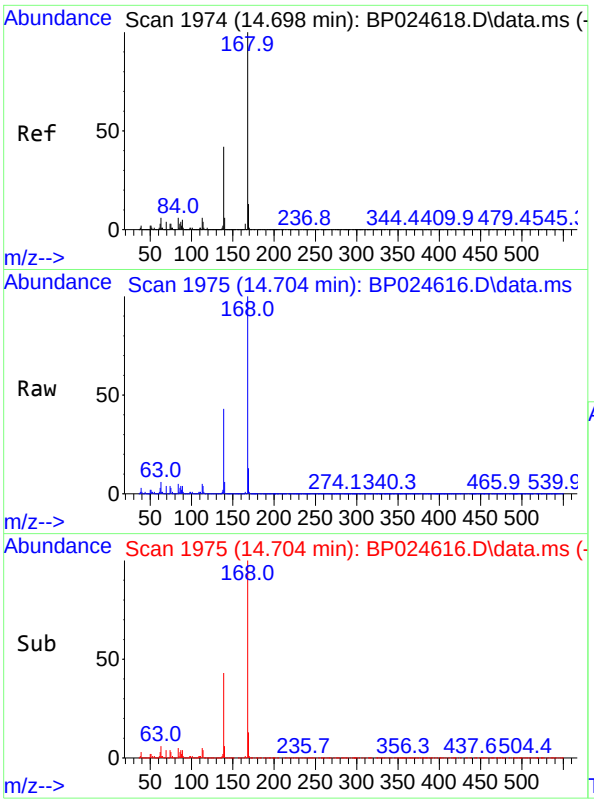


#54
2,4-Dinitrophenol
Concen: 10.84 ng
RT: 14.439 min Scan# 1930
Delta R.T. 0.011 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:184 Resp: 13128

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

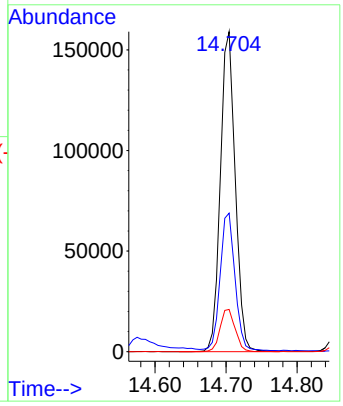




#55
Dibenzofuran
Concen: 9.92 ng
RT: 14.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:168 Resp: 23028

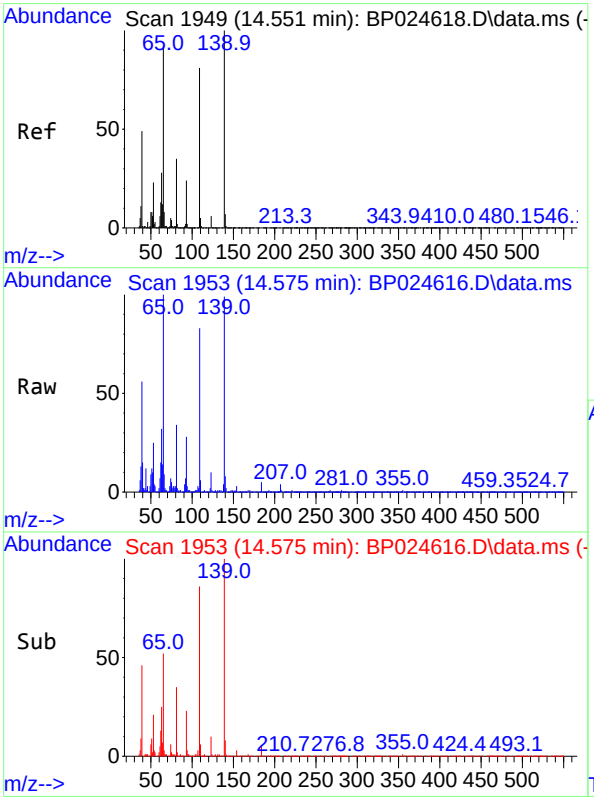
Ion	Ratio	Lower	Upper
168	100		
139	43.3	34.2	51.4
169	13.2	10.8	16.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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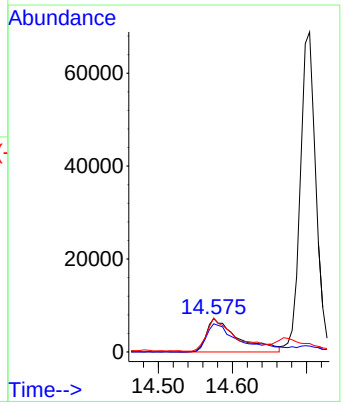
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

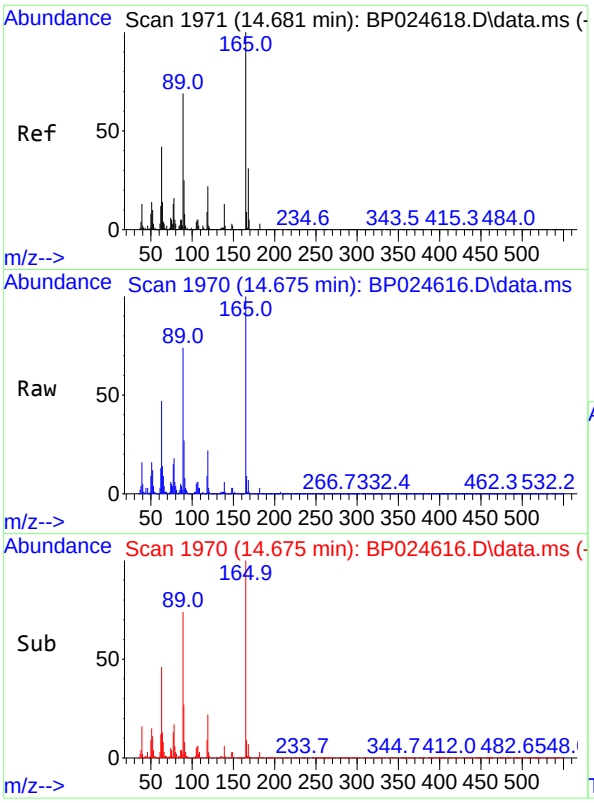


#56
4-Nitrophenol
Concen: 9.53 ng
RT: 14.575 min Scan# 1953
Delta R.T. 0.024 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:139 Resp: 21349

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

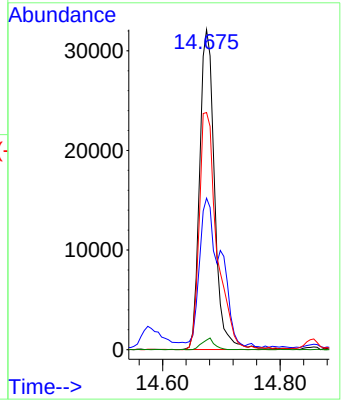




#57
2,4-Dinitrotoluene
Concen: 9.30 ng
RT: 14.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:165 Resp: 5661

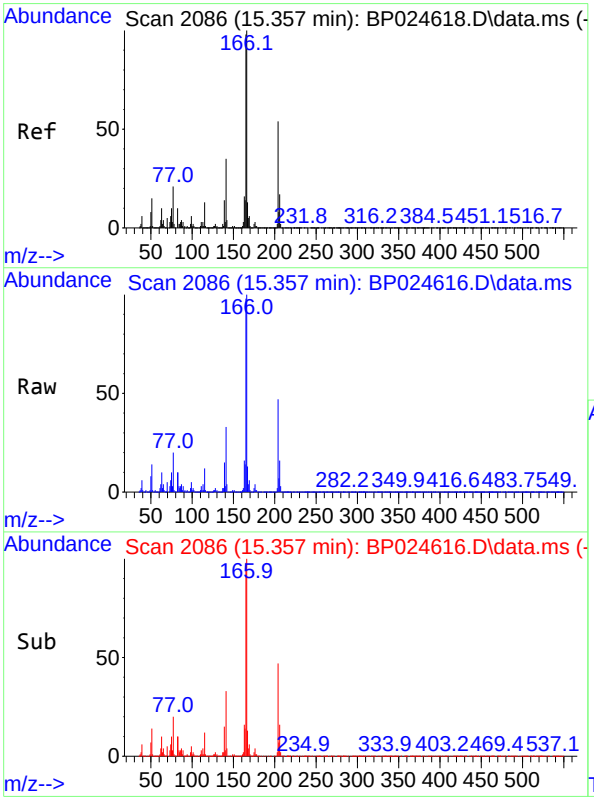
Ion	Ratio	Lower	Upper
165	100		
63	47.4	33.8	50.6
89	74.1	55.6	83.4
182	3.0	2.4	3.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

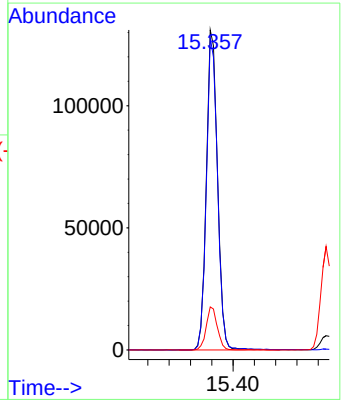
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

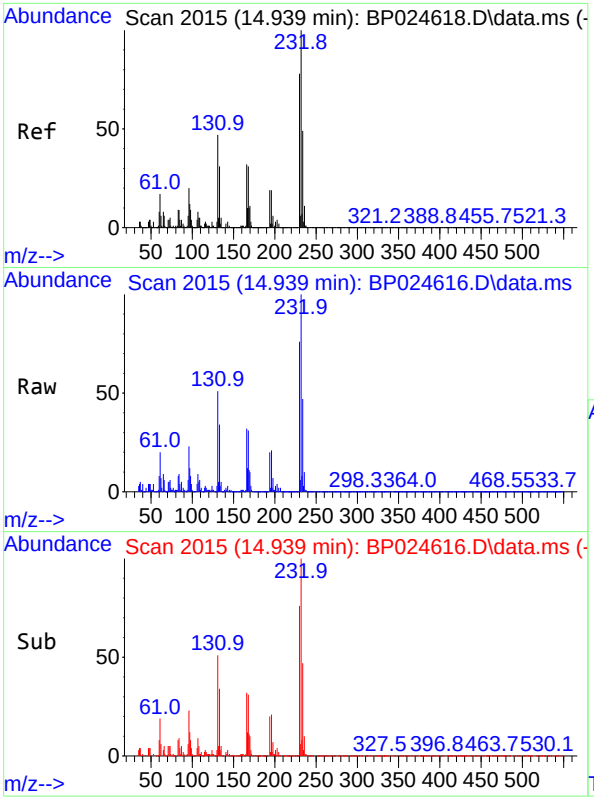


#58
Fluorene
Concen: 10.03 ng
RT: 15.357 min Scan# 2086
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:166 Resp: 189781

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

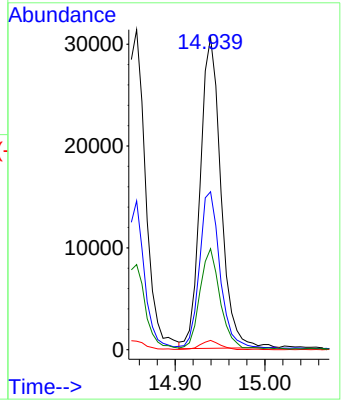




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.37 ng
RT: 14.939 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:232 Resp: 4882

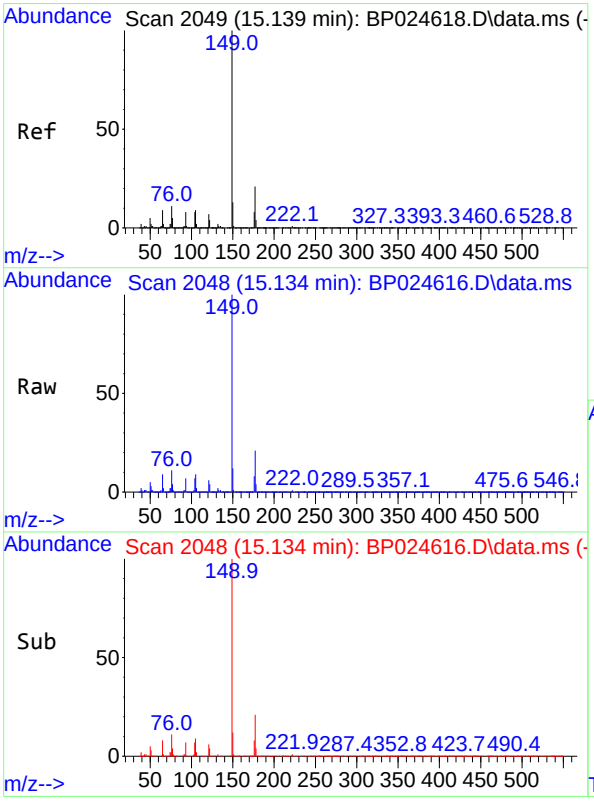
Ion	Ratio	Lower	Upper
232	100		
131	50.6	39.5	59.3
130	2.8	2.2	3.4
166	32.1	25.7	38.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

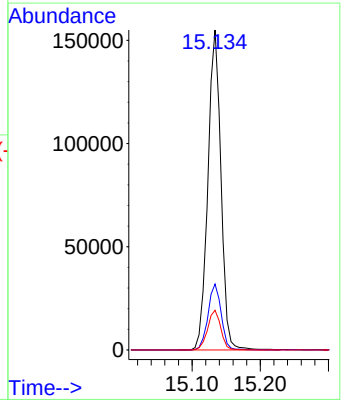
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

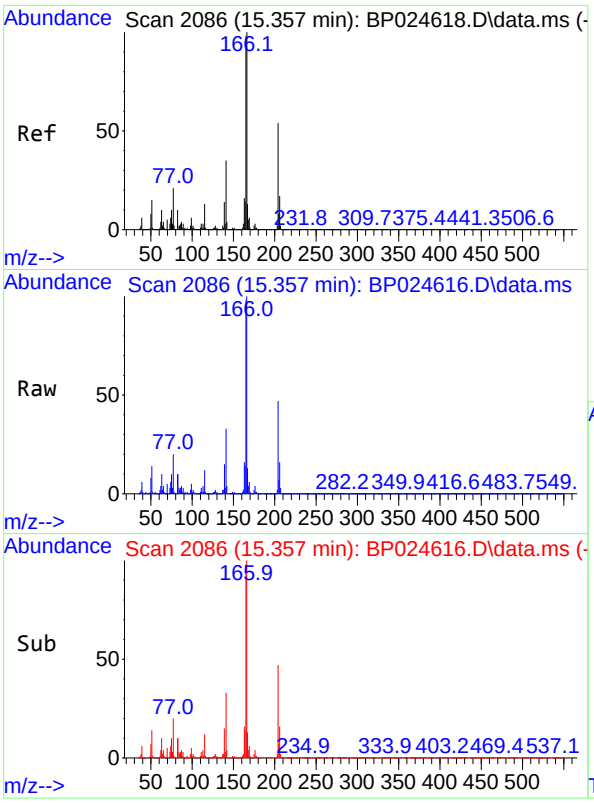


#60
Diethylphthalate
Concen: 10.01 ng
RT: 15.134 min Scan# 2048
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:149 Resp: 206886

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

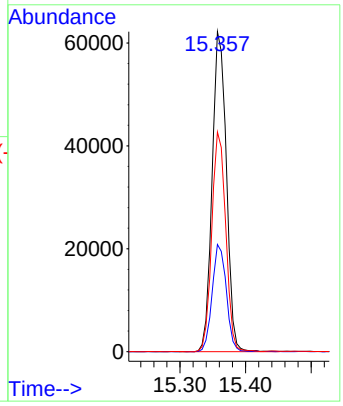




#61
4-Chlorophenyl-phenylether
Concen: 9.91 ng
RT: 15.357 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:204 Resp: 9351

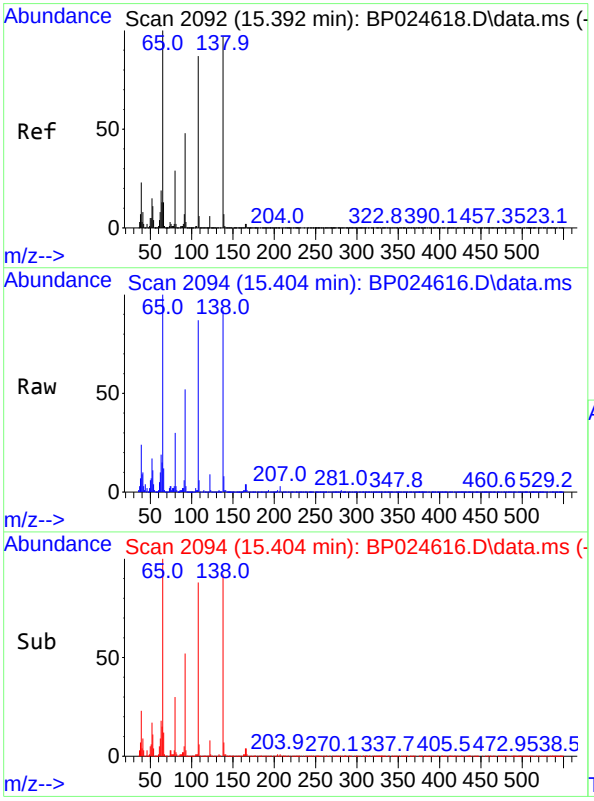
Ion	Ratio	Lower	Upper
204	100		
206	33.5	26.0	39.0
141	68.7	52.9	79.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

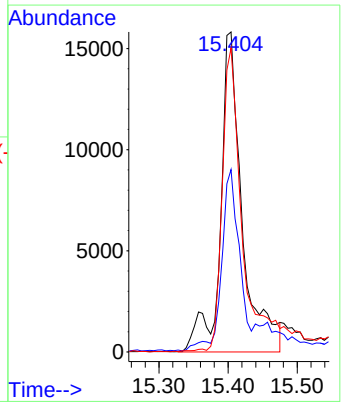
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

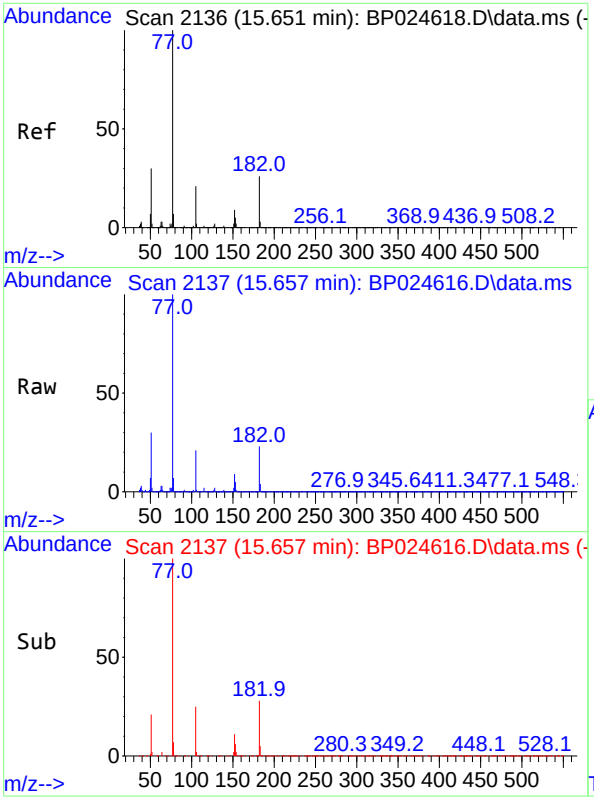


#62
4-Nitroaniline
Concen: 8.11 ng m
RT: 15.404 min Scan# 2094
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:138 Resp: 34813

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

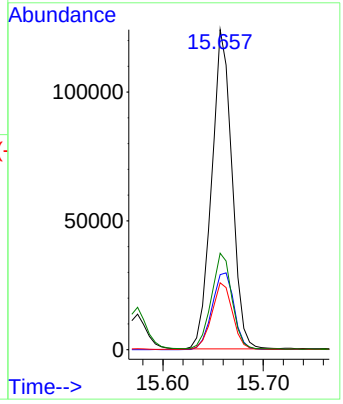




#63
Azobenzene
Concen: 9.86 ng
RT: 15.657 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 77 Resp: 17432

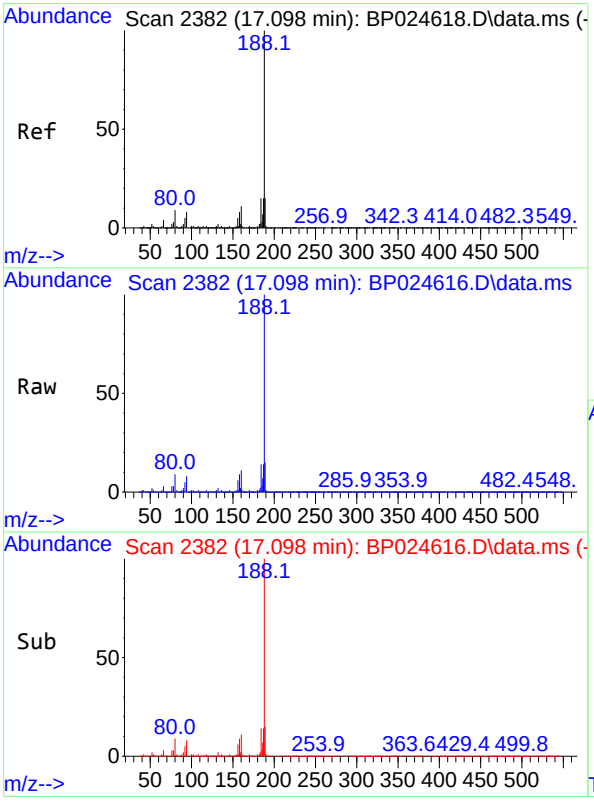
Ion	Ratio	Lower	Upper
77	100		
182	23.5	5.7	45.7
105	20.9	1.3	41.3
51	30.1	10.6	50.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

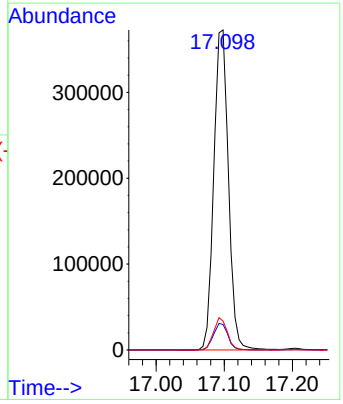
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

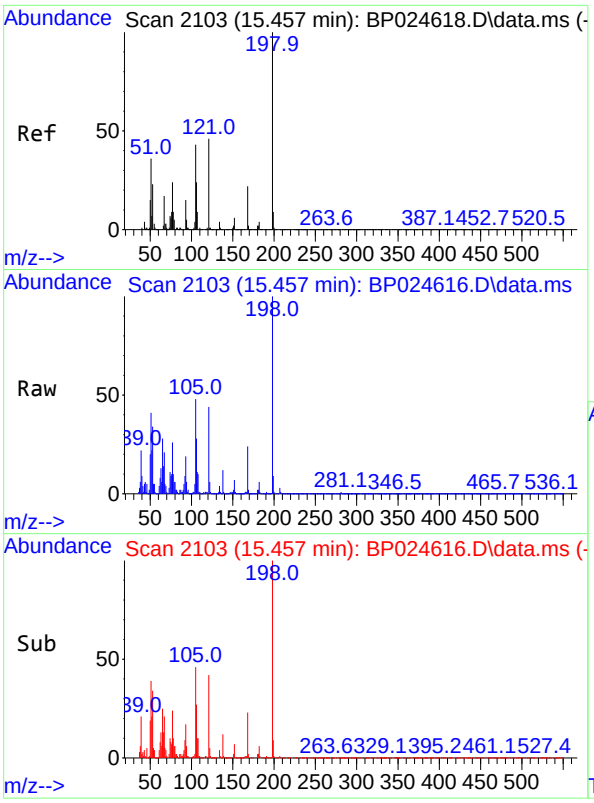


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.098 min Scan# 2382
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:188 Resp: 556673

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





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

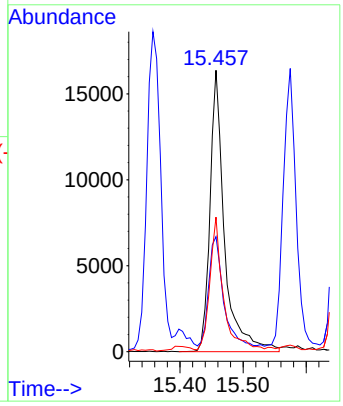
Tgt Ion:198 Resp: 2617

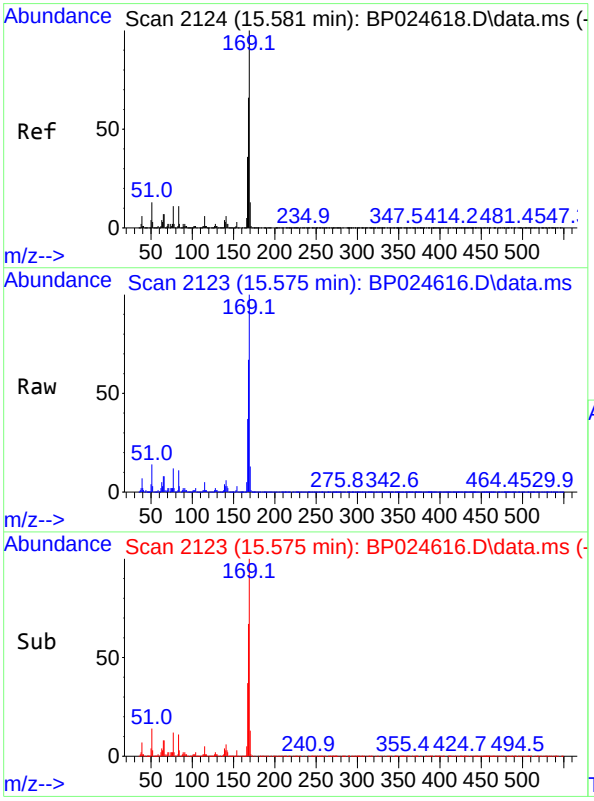
Ion	Ratio	Lower	Upper
198	100		
51	40.9	21.1	61.1
105	47.8	23.6	63.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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

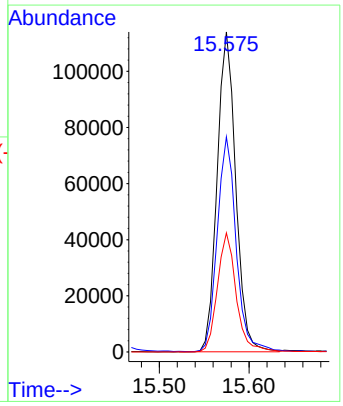


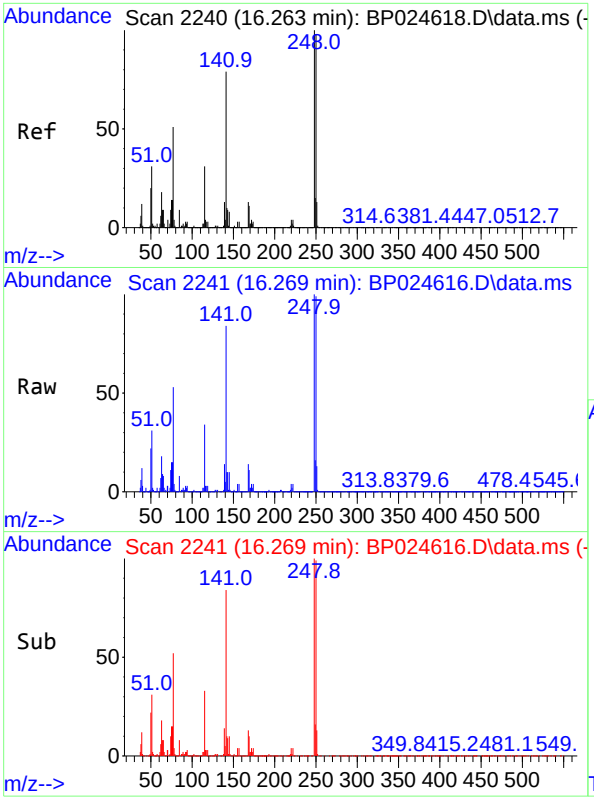


#66
n-Nitrosodiphenylamine
Concen: 9.59 ng
RT: 15.575 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:169 Resp: 164008

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





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

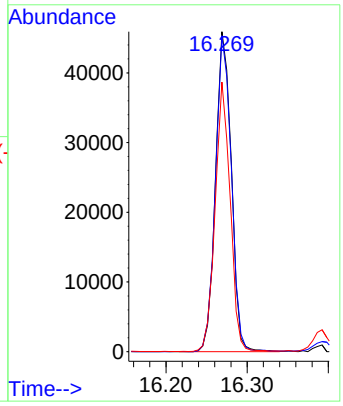
Tgt Ion:248 Resp: 6201

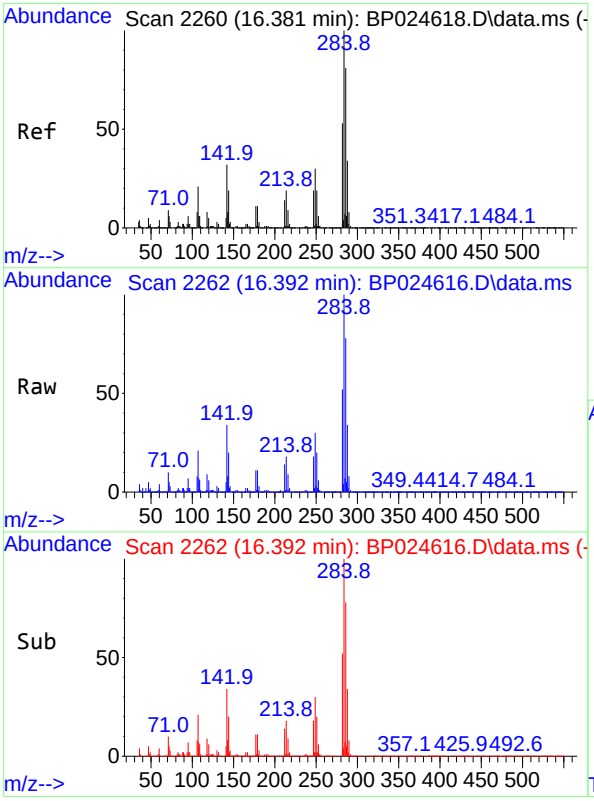
Ion	Ratio	Lower	Upper
248	100		
250	98.7	78.2	117.4
141	84.3	63.0	94.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

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

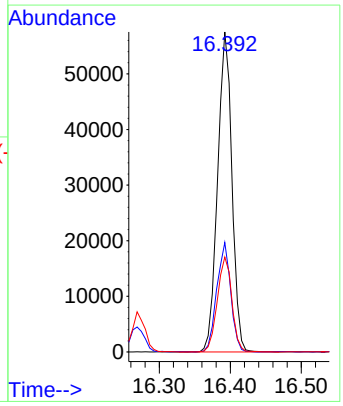


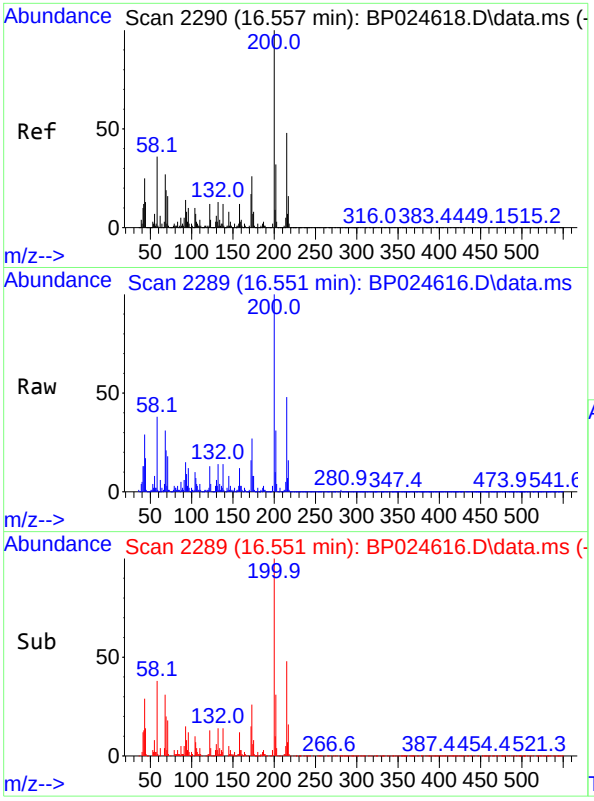


#68
Hexachlorobenzene
Concen: 9.61 ng
RT: 16.392 min Scan# 2262
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:284 Resp: 80088

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

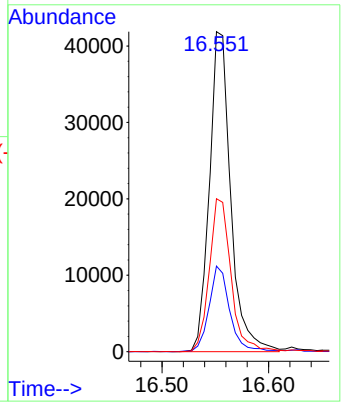




#69
Atrazine
Concen: 9.30 ng
RT: 16.551 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:200 Resp: 5824

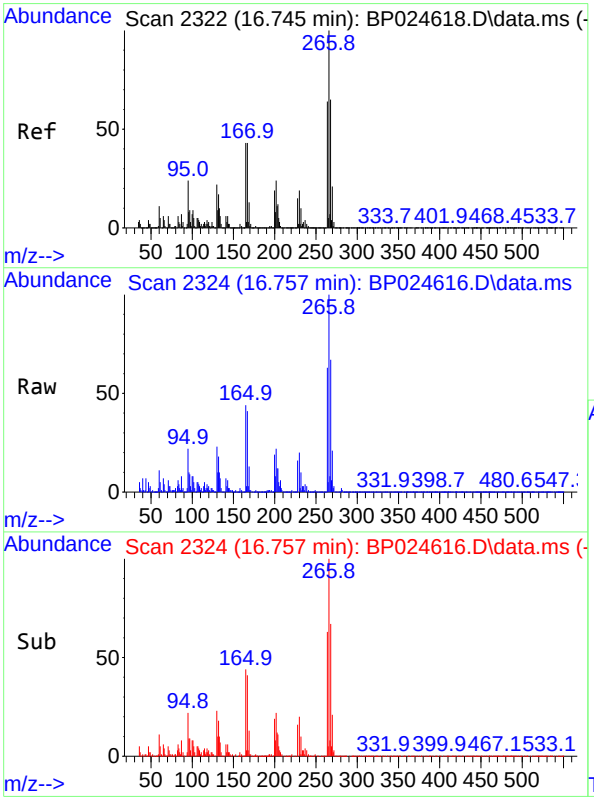
Ion	Ratio	Lower	Upper
200	100		
173	26.8	5.9	45.9
215	47.8	28.3	68.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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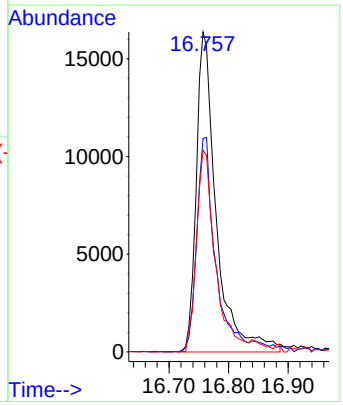
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

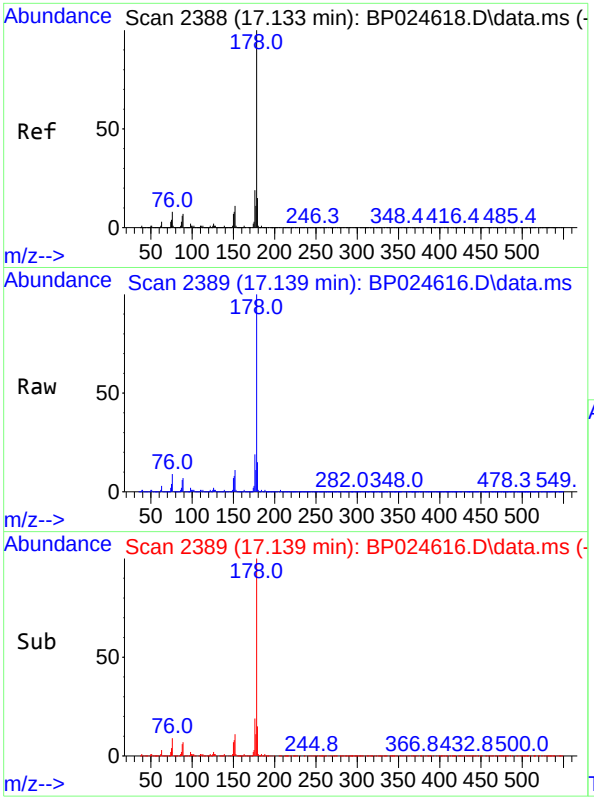


#70
Pentachlorophenol
Concen: 8.14 ng m
RT: 16.757 min Scan# 2324
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:266 Resp: 38095

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

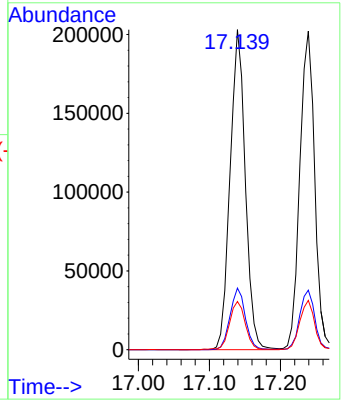




#71
Phenanthrene
Concen: 9.75 ng
RT: 17.139 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:178 Resp: 30186

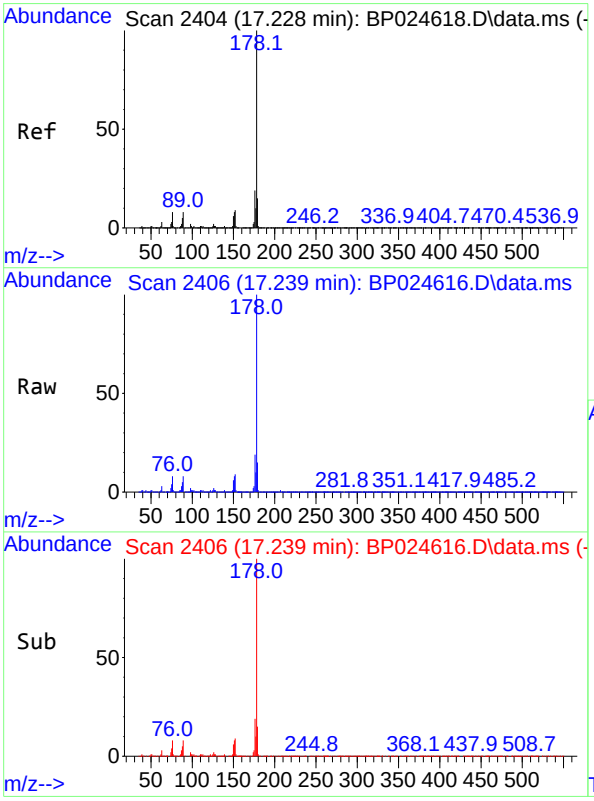
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.1	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

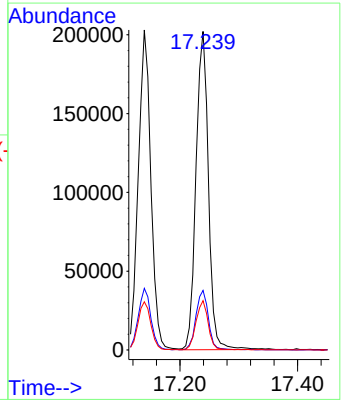
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

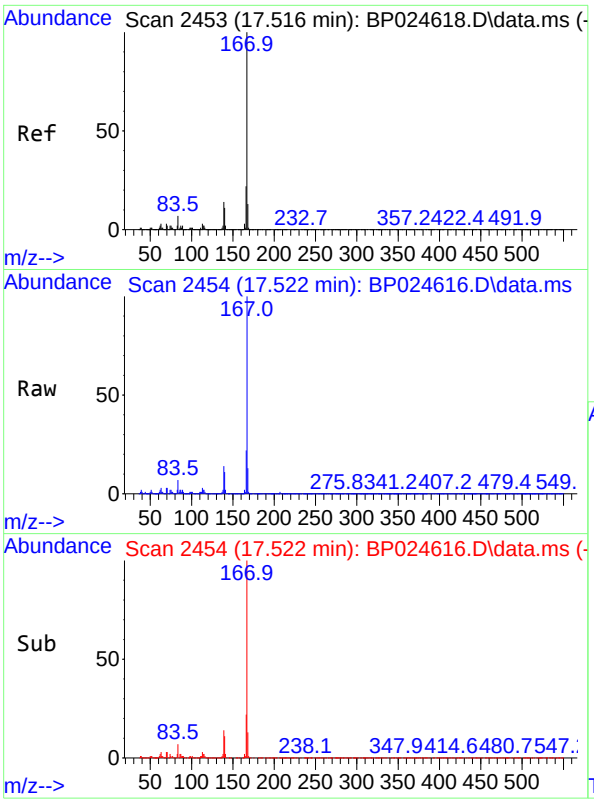


#72
Anthracene
Concen: 9.51 ng
RT: 17.239 min Scan# 2406
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:178 Resp: 296146

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.5	12.2	18.2

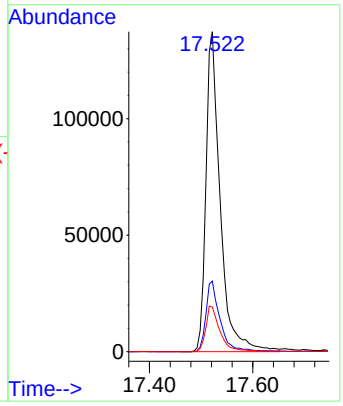




#73
Carbazole
Concen: 9.32 ng
RT: 17.522 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:167 Resp: 26268

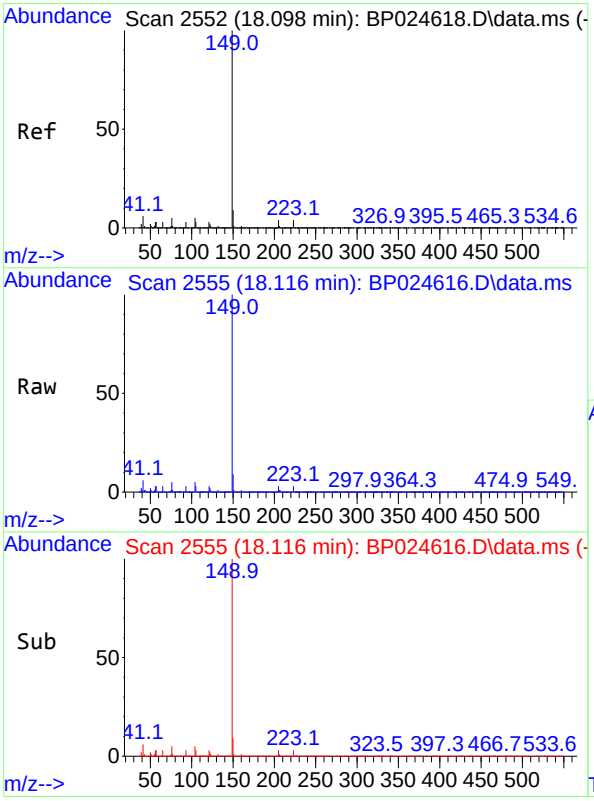
Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.7	26.5
139	13.9	11.3	16.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

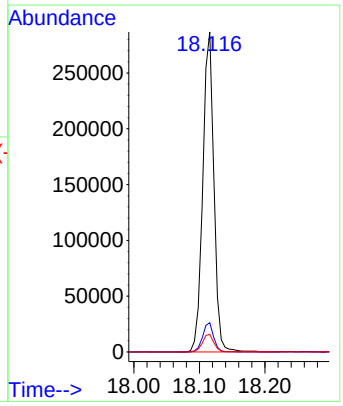
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

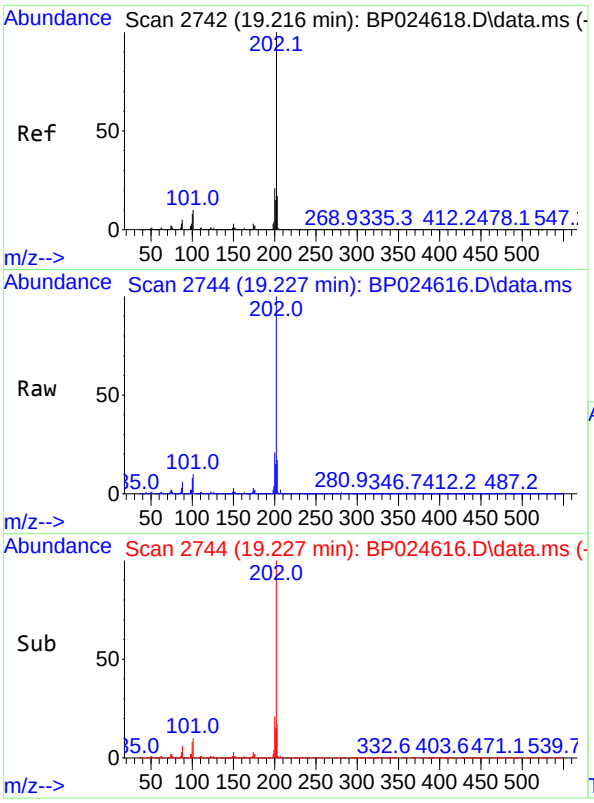


#74
Di-n-butylphthalate
Concen: 9.35 ng
RT: 18.116 min Scan# 2555
Delta R.T. 0.018 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:149 Resp: 338893

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.2	10.8
104	5.5	4.3	6.5

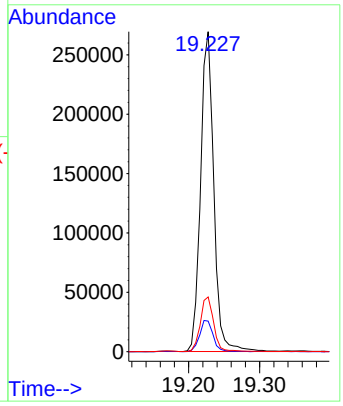




#75
Fluoranthene
Concen: 9.65 ng
RT: 19.227 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:202 Resp: 34908

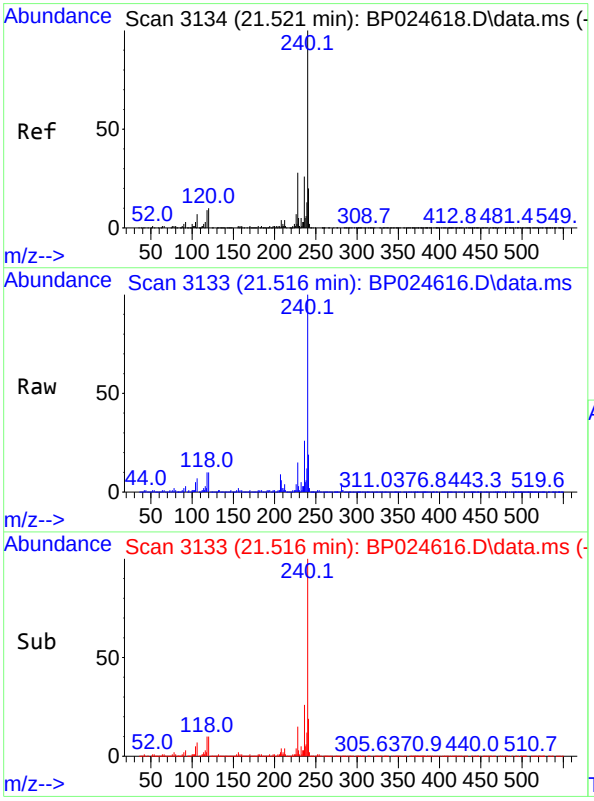
Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	30.3
203	17.1	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

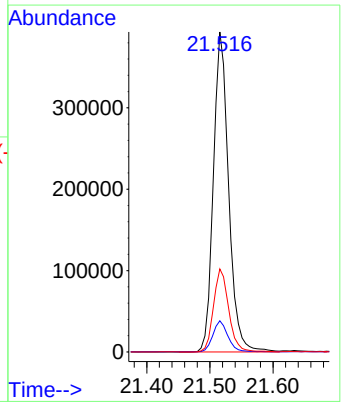
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

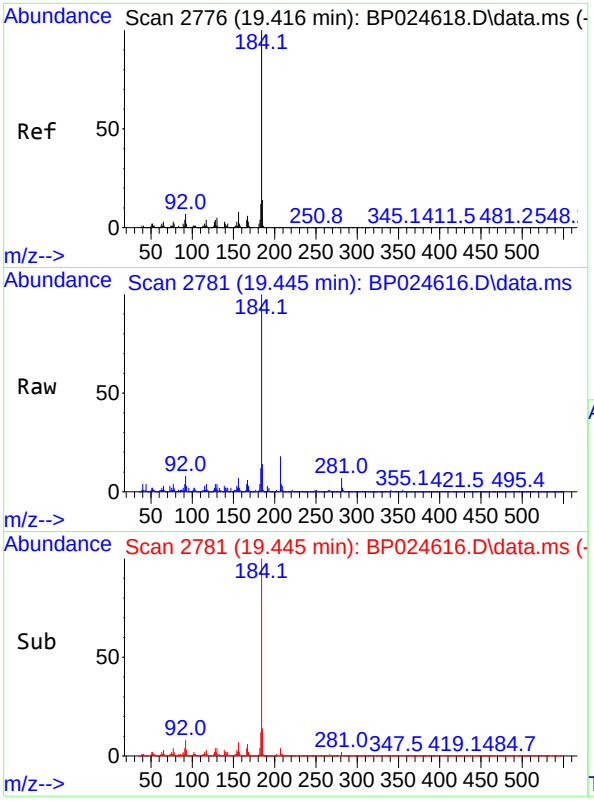


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.516 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:240 Resp: 659092

Ion	Ratio	Lower	Upper
240	100		
120	9.8	7.8	11.6
236	25.9	20.6	31.0

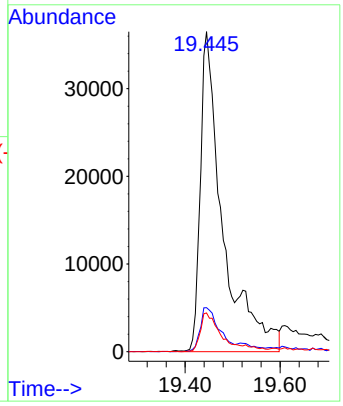




#77
Benzidine
Concen: 6.59 ng m
RT: 19.445 min Scan# 2
Delta R.T. 0.029 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:184 Resp: 11922

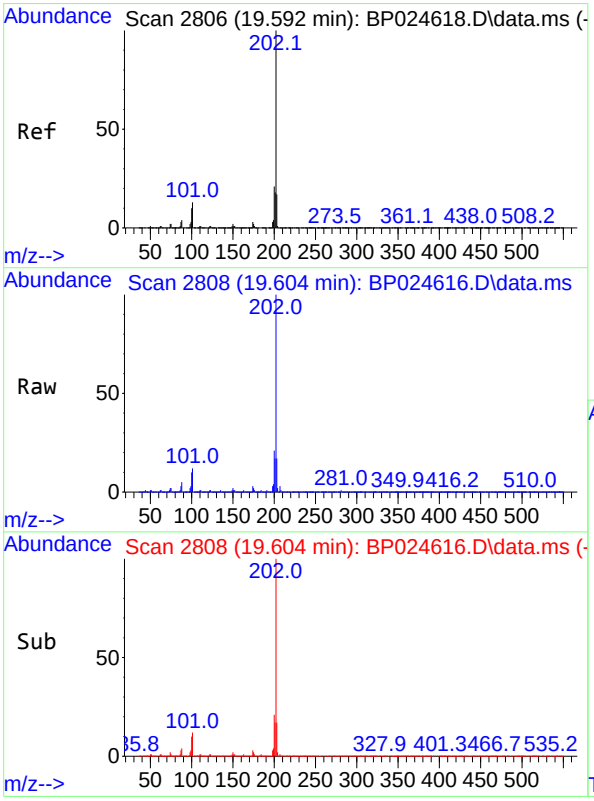
Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.2	16.8
183	12.1	9.8	14.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

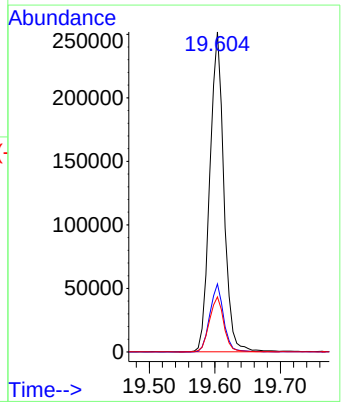
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

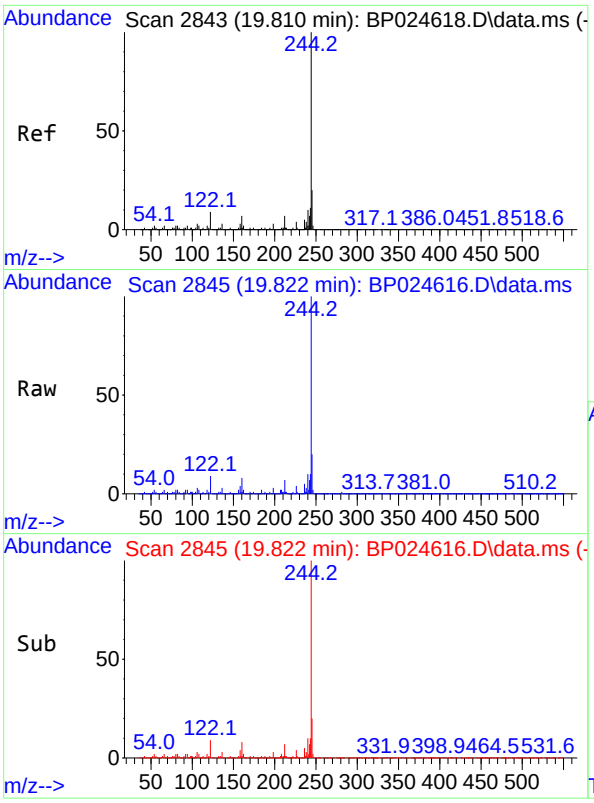


#78
Pyrene
Concen: 9.48 ng
RT: 19.604 min Scan# 2808
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:202 Resp: 374573

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.9	25.3
203	17.2	13.9	20.9

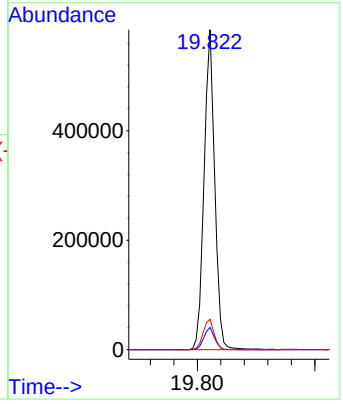




#79
Terphenyl-d14
Concen: 19.09 ng
RT: 19.822 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:244 Resp: 73368

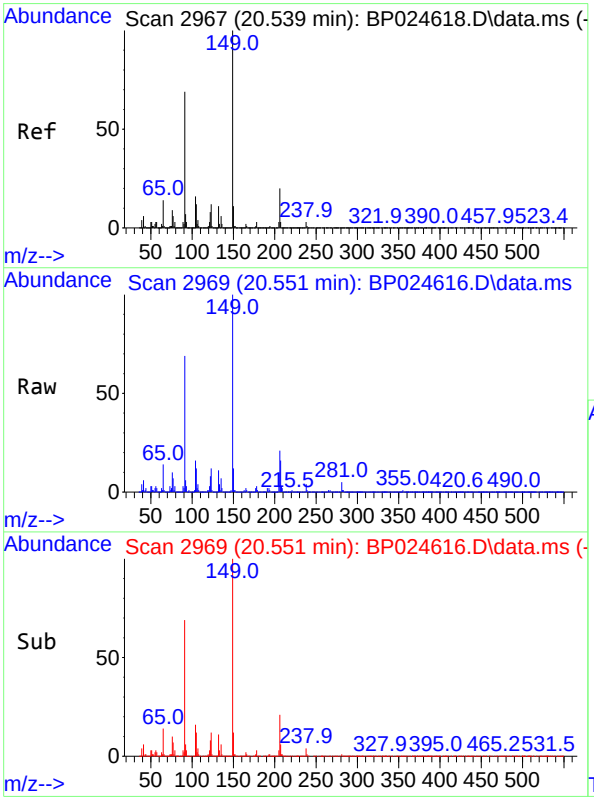
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	9.5	7.4	11.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

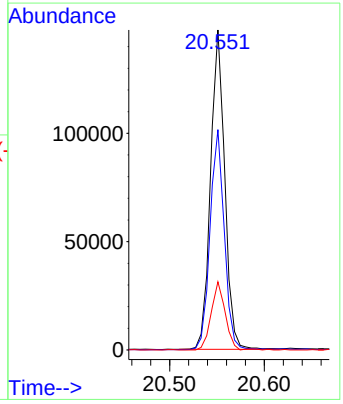
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

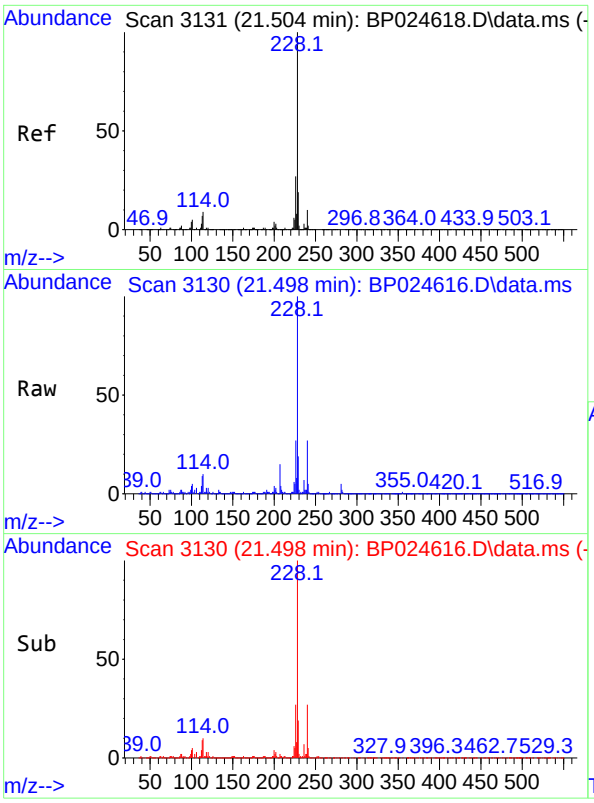


#80
Butylbenzylphthalate
Concen: 8.73 ng
RT: 20.551 min Scan# 2969
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:149 Resp: 153275

Ion	Ratio	Lower	Upper
149	100		
91	68.8	55.4	83.0
206	21.3	16.2	24.2

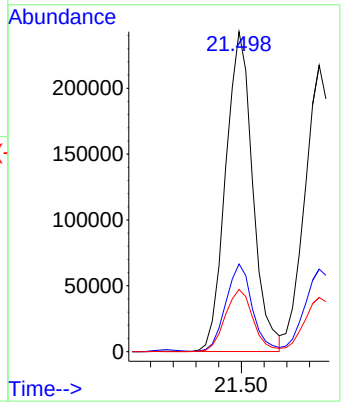




#81
Benzo(a)anthracene
Concen: 9.70 ng
RT: 21.498 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:228 Resp: 40132

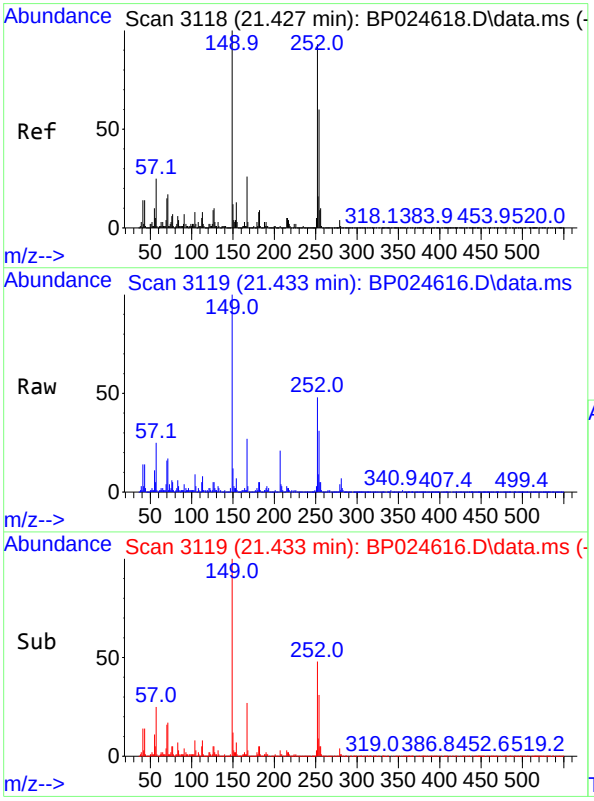
Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.4	32.0
229	19.5	15.5	23.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

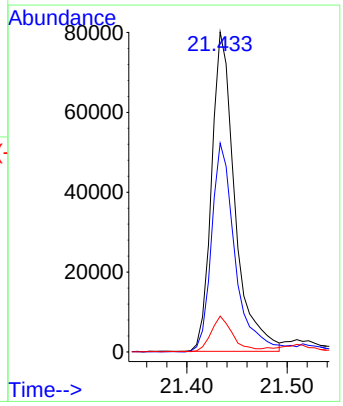
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

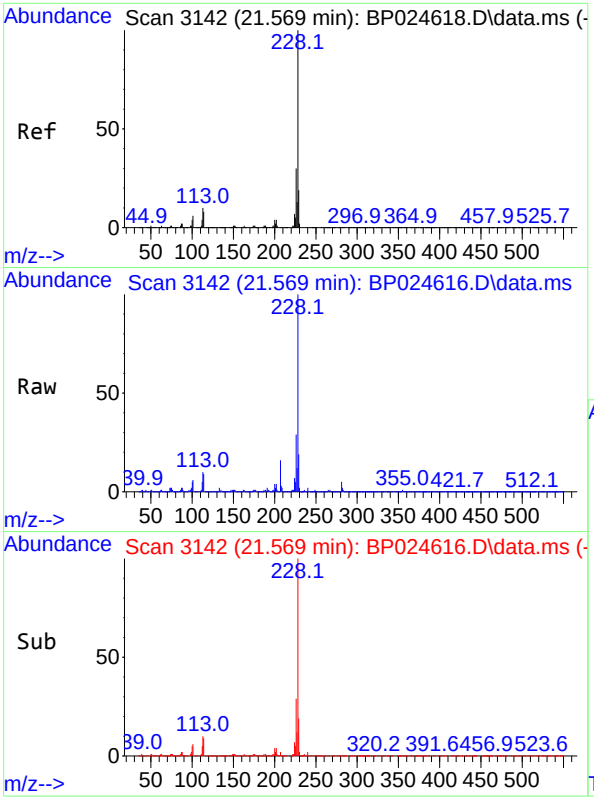


#82
3,3'-Dichlorobenzidine
Concen: 8.41 ng
RT: 21.433 min Scan# 3119
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:252 Resp: 129324

Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.8	77.6
126	11.2	7.7	11.5

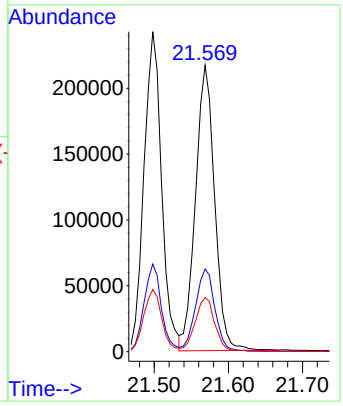




#83
Chrysene
Concen: 9.91 ng
RT: 21.569 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:228 Resp: 38884

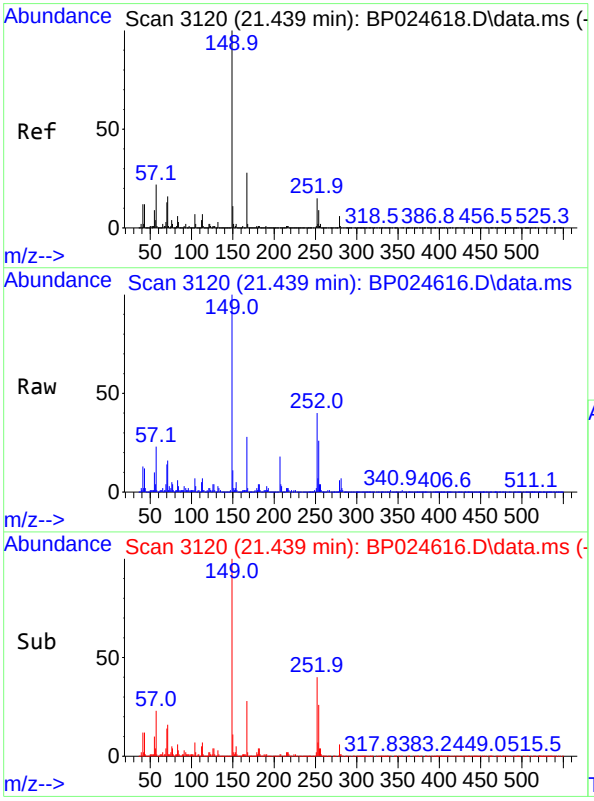
Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.9	35.9
229	19.0	15.5	23.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

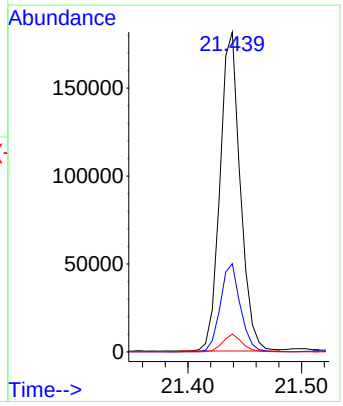
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

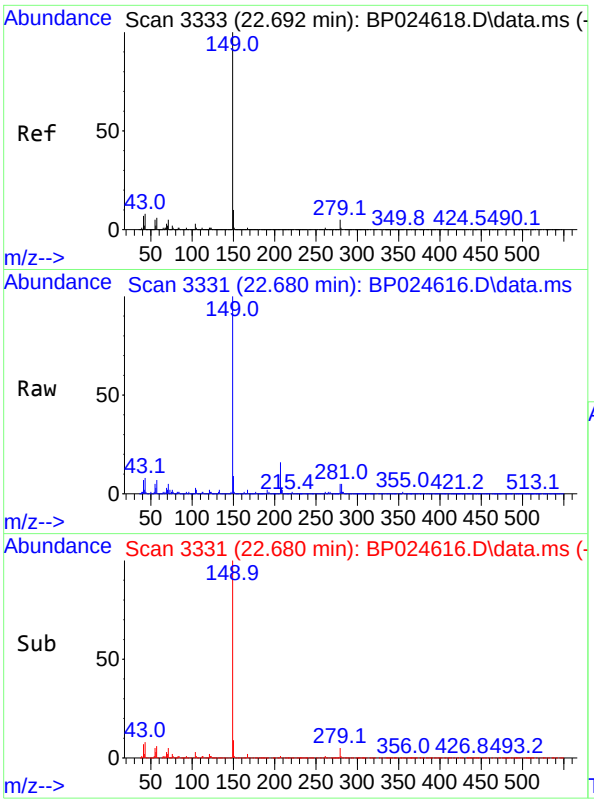


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.72 ng
RT: 21.439 min Scan# 3120
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:149 Resp: 225047

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.1	33.1
279	5.6	4.6	6.8





#85
Di-n-octyl phthalate
Concen: 8.72 ng
RT: 22.680 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

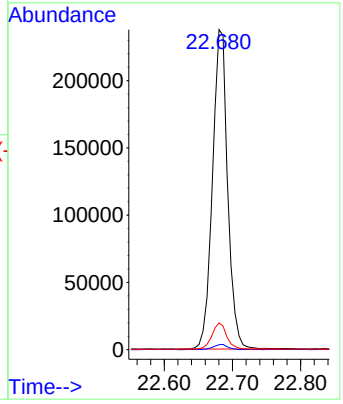
Tgt Ion:149 Resp: 36793

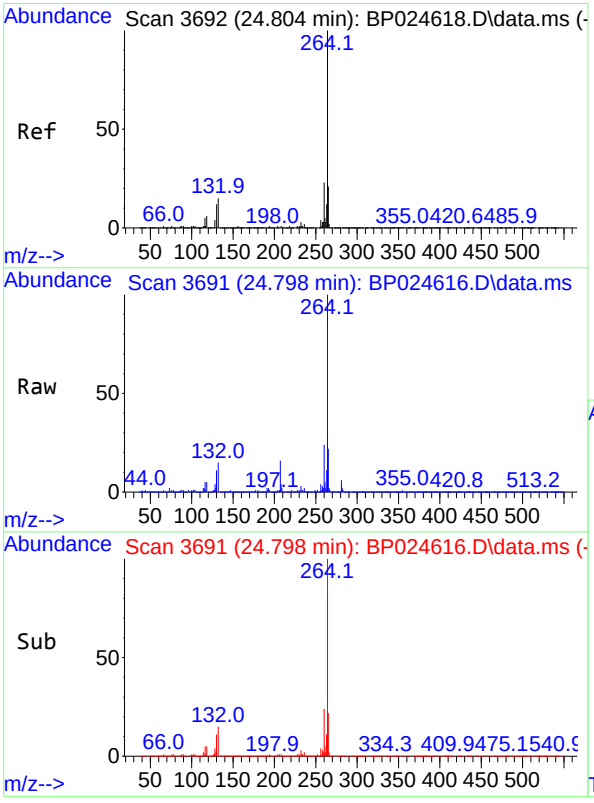
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	8.0	6.3	9.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

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

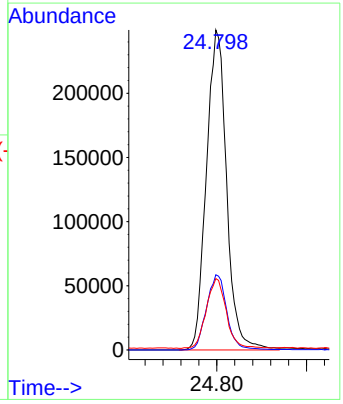


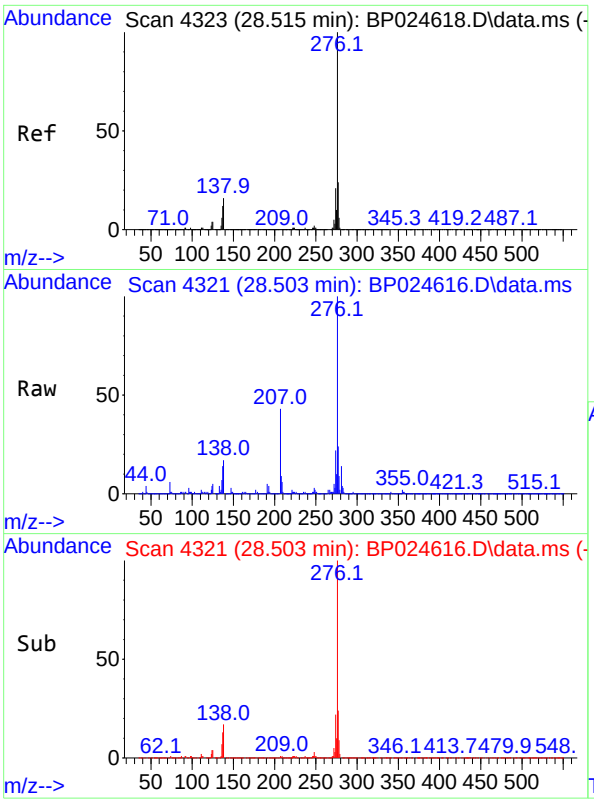


#86
Perylene-d12
Concen: 20.00 ng
RT: 24.798 min Scan# 3691
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:264 Resp: 780142

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	22.3	17.0	25.6

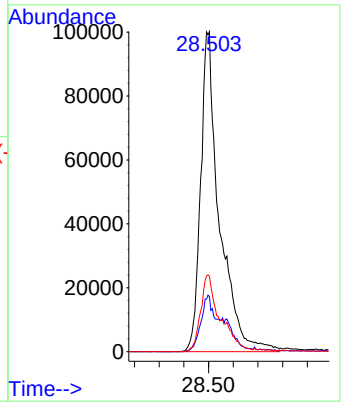




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.29 ng
RT: 28.503 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:276 Resp: 52926

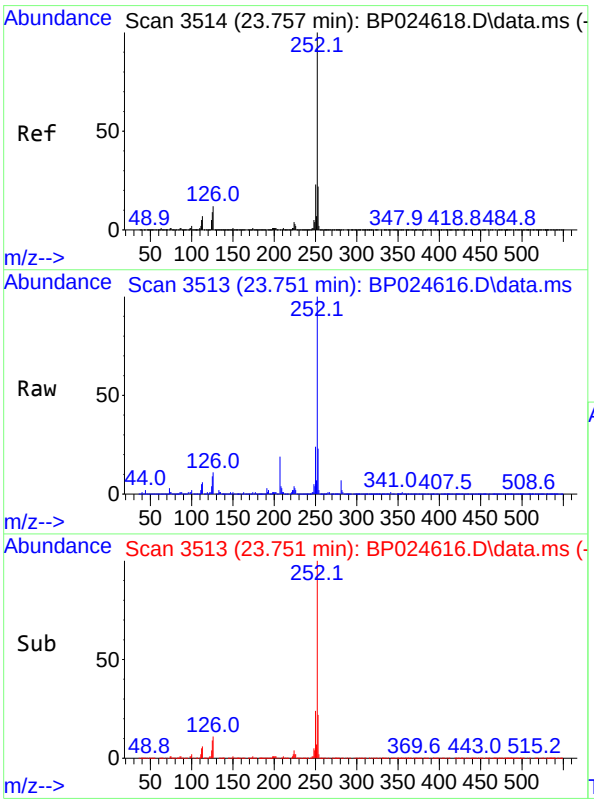
Ion	Ratio	Lower	Upper
276	100		
138	15.5	11.2	16.8
277	24.8	15.7	23.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

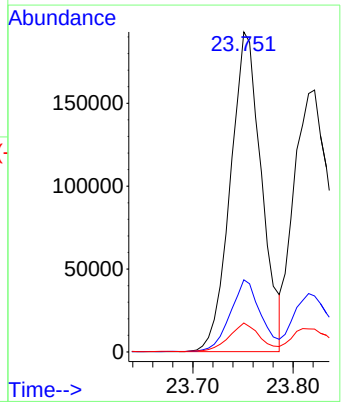
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

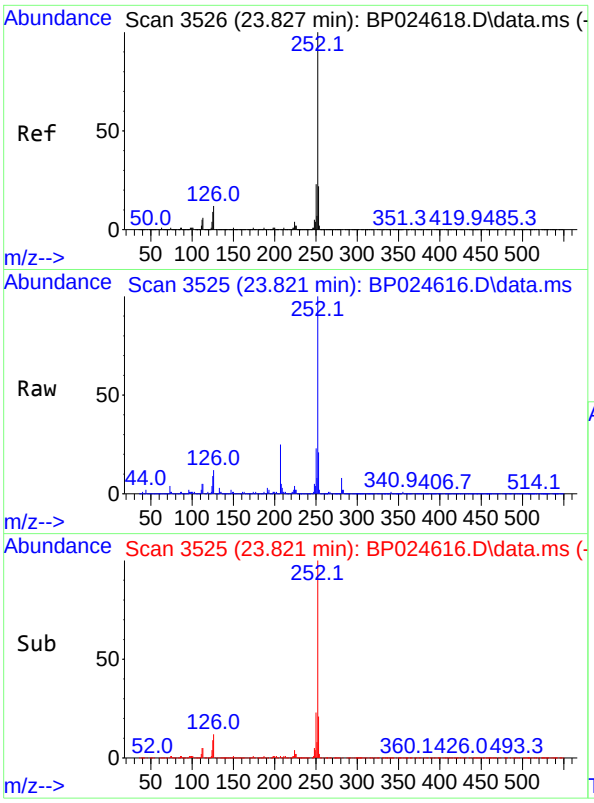


#88
Benzo(b)fluoranthene
Concen: 9.35 ng
RT: 23.751 min Scan# 3513
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:252 Resp: 417343

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	9.1	7.5	11.3

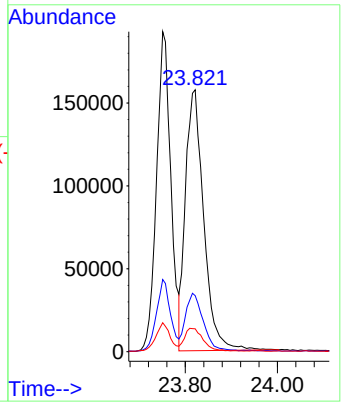




#89
Benzo(k)fluoranthene
Concen: 9.38 ng
RT: 23.821 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:252 Resp: 43157

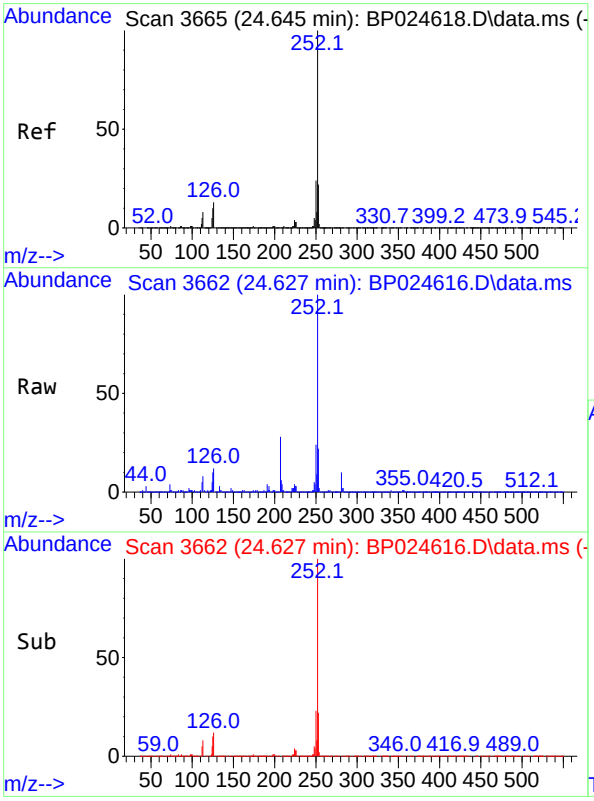
Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.6	26.4
125	8.7	7.0	10.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

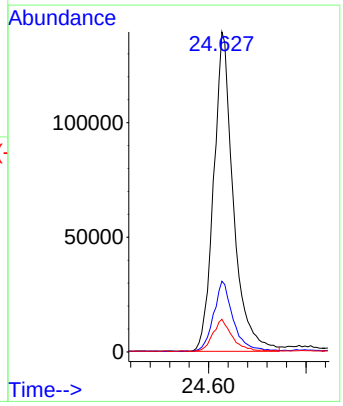
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

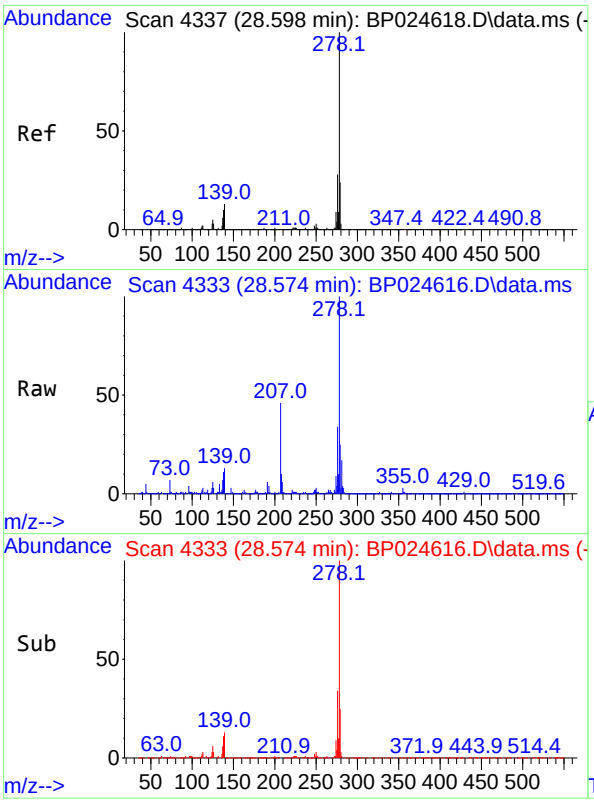


#90
Benzo(a)pyrene
Concen: 9.10 ng
RT: 24.627 min Scan# 3662
Delta R.T. -0.018 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:252 Resp: 390288

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	10.2	8.1	12.1

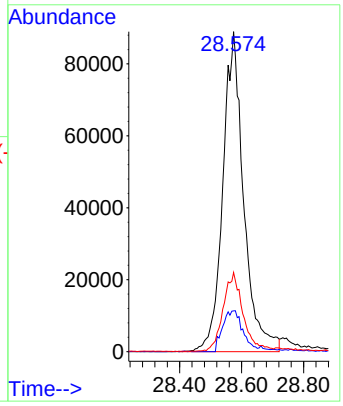




#91
Dibenzo(a,h)anthracene
Concen: 8.97 ng
RT: 28.574 min Scan# 4
Delta R.T. -0.024 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:278 Resp: 41576

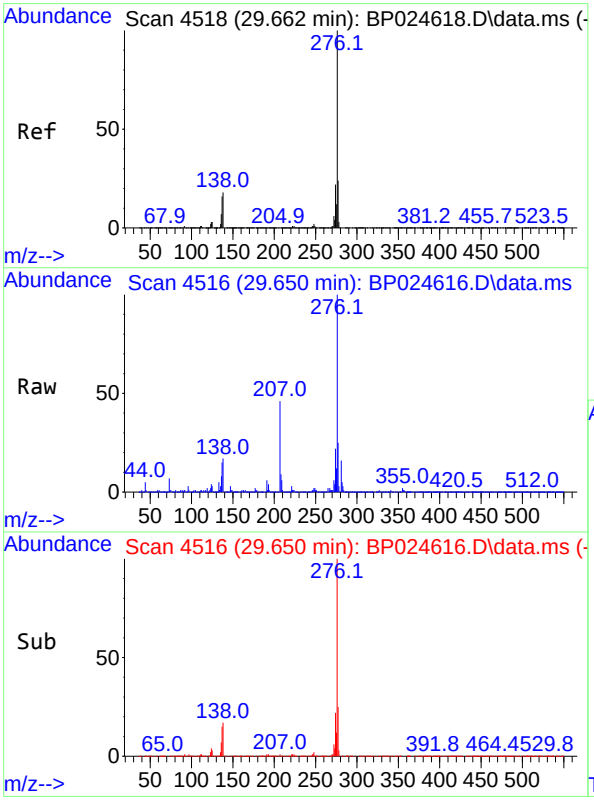
Ion	Ratio	Lower	Upper
278	100		
139	12.7	10.2	15.4
279	24.7	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

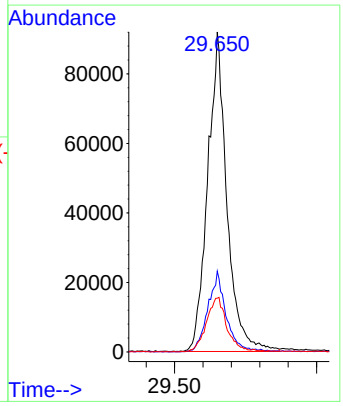
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025



#92
Benzo(g,h,i)perylene
Concen: 9.37 ng
RT: 29.650 min Scan# 4516
Delta R.T. -0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:276 Resp: 431559

Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.0	28.4
138	16.8	14.4	21.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024617.D
Acq On : 13 May 2025 12:43
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

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

Quant Time: May 13 16:05:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.664	152	112650	20.00	ng		0.00
21) Naphthalene-d8	10.434	136	488721	20.00	ng		0.00
39) Acenaphthene-d10	14.299	164	323928	20.00	ng		0.00
64) Phenanthrene-d10	17.087	188	644367	20.00	ng		-0.01
76) Chrysene-d12	21.522	240	745224	20.00	ng		0.00
86) Perylene-d12	24.792	264	850264	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.287	112	261821	39.75	ng		0.00
7) Phenol-d6	6.858	99	334811	39.83	ng		0.00
23) Nitrobenzene-d5	8.811	82	391739	40.50	ng		0.00
42) 2,4,6-Tribromophenol	15.810	330	217092	39.53	ng		0.00
45) 2-Fluorobiphenyl	12.904	172	1006150	40.69	ng		0.00
79) Terphenyl-d14	19.810	244	1736879	39.96	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.229	88	60251	19.48	ng		98
3) Pyridine	3.628	79	135451	19.75	ng		99
4) n-Nitrosodimethylamine	3.540	42	59324	19.59	ng		99
6) Aniline	7.005	93	217646	20.05	ng		100
8) 2-Chlorophenol	7.240	128	147726	19.76	ng		99
9) Benzaldehyde	6.822	77	117823m	21.69	ng		
10) Phenol	6.881	94	171949	19.82	ng		99
11) bis(2-Chloroethyl)ether	7.099	93	141599	19.86	ng		99
12) 1,3-Dichlorobenzene	7.552	146	171270	19.91	ng		99
13) 1,4-Dichlorobenzene	7.699	146	171756	19.85	ng		98
14) 1,2-Dichlorobenzene	8.011	146	168795	20.02	ng		99
15) Benzyl Alcohol	7.911	79	127076	19.89	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.187	45	171274	20.06	ng		100
17) 2-Methylphenol	8.111	107	124506	20.01	ng		99
18) Hexachloroethane	8.728	117	65527	19.76	ng		97
19) n-Nitroso-di-n-propyla...	8.458	70	122386	21.05	ng		98
20) 3+4-Methylphenols	8.440	107	169264	20.00	ng		97
22) Acetophenone	8.481	105	249692	20.45	ng	#	100
24) Nitrobenzene	8.858	77	173686	20.40	ng		99
25) Isophorone	9.375	82	339697	20.25	ng		100
26) 2-Nitrophenol	9.563	139	82278	19.73	ng		98
27) 2,4-Dimethylphenol	9.622	122	146819	19.96	ng		97
28) bis(2-Chloroethoxy)met...	9.852	93	200872	20.04	ng		99
29) 2,4-Dichlorophenol	10.099	162	141785	19.90	ng		98
30) 1,2,4-Trichlorobenzene	10.299	180	159998	19.92	ng		95
31) Naphthalene	10.481	128	512888	20.25	ng		100
32) Benzoic acid	9.746	122	71538m	18.73	ng		
33) 4-Chloroaniline	10.605	127	205433	20.10	ng		99
34) Hexachlorobutadiene	10.763	225	103364	19.87	ng		99
35) Caprolactam	11.381	113	50721	19.68	ng		99
36) 4-Chloro-3-methylphenol	11.734	107	174840	20.12	ng		99
37) 2-Methylnaphthalene	12.093	142	327447	19.97	ng		99
38) 1-Methylnaphthalene	12.316	142	352091	20.07	ng		100
40) 1,2,4,5-Tetrachloroben...	12.469	216	185982	19.77	ng		99
41) Hexachlorocyclopentadiene	12.440	237	113499	19.90	ng		98
43) 2,4,6-Trichlorophenol	12.722	196	121520	19.95	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024617.D
Acq On : 13 May 2025 12:43
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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

Quant Time: May 13 16:05:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.799	196	135306	19.95	ng	98
46) 1,1'-Biphenyl	13.116	154	483352	20.19	ng	100
47) 2-Chloronaphthalene	13.163	162	366247	20.06	ng	100
48) 2-Nitroaniline	13.375	65	107062	19.81	ng	98
49) Acenaphthylene	14.016	152	621997	20.36	ng	100
50) Dimethylphthalate	13.751	163	491623	19.91	ng	99
51) 2,6-Dinitrotoluene	13.869	165	105479	20.23	ng	97
52) Acenaphthene	14.357	154	354519	20.19	ng	99
53) 3-Nitroaniline	14.210	138	106527	20.01	ng	98
54) 2,4-Dinitrophenol	14.428	184	46351	19.37	ng	91
55) Dibenzofuran	14.698	168	563719	20.12	ng	99
56) 4-Nitrophenol	14.551	139	71975	19.02	ng	93
57) 2,4-Dinitrotoluene	14.675	165	147676	20.09	ng	99
58) Fluorene	15.357	166	456792	20.00	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.934	232	123265	19.59	ng	99
60) Diethylphthalate	15.128	149	497916	19.95	ng	99
61) 4-Chlorophenyl-phenyle...	15.351	204	226790	19.91	ng	98
62) 4-Nitroaniline	15.393	138	105617	20.37	ng	99
63) Azobenzene	15.651	77	439183	20.57	ng	99
65) 4,6-Dinitro-2-methylph...	15.451	198	77131	18.53	ng	96
66) n-Nitrosodiphenylamine	15.575	169	404085	20.42	ng	99
67) 4-Bromophenyl-phenylether	16.263	248	152393	20.07	ng	97
68) Hexachlorobenzene	16.381	284	192290	19.93	ng	99
69) Atrazine	16.545	200	146468	20.19	ng	99
70) Pentachlorophenol	16.740	266	104916	19.36	ng	98
71) Phenanthrene	17.128	178	724922	20.24	ng	100
72) Anthracene	17.222	178	735787	20.42	ng	100
73) Carbazole	17.510	167	669730	20.53	ng	99
74) Di-n-butylphthalate	18.092	149	858522	20.46	ng	100
75) Fluoranthene	19.210	202	846684	20.22	ng	100
77) Benzidine	19.422	184	404890	19.79	ng	99
78) Pyrene	19.592	202	892037	19.98	ng	99
80) Butylbenzylphthalate	20.539	149	400050	20.14	ng	97
81) Benzo(a)anthracene	21.498	228	933614	19.95	ng	99
82) 3,3'-Dichlorobenzidine	21.428	252	353000	20.31	ng	100
83) Chrysene	21.569	228	883001	19.91	ng	99
84) Bis(2-ethylhexyl)phtha...	21.439	149	597012	20.45	ng	98
85) Di-n-octyl phthalate	22.686	149	947571	19.85	ng	99
87) Indeno(1,2,3-cd)pyrene	28.486	276	1230125m	19.81	ng	
88) Benzo(b)fluoranthene	23.757	252	979873	20.13	ng	99
89) Benzo(k)fluoranthene	23.822	252	1005349	20.05	ng	100
90) Benzo(a)pyrene	24.627	252	945764	20.23	ng	100
91) Dibenzo(a,h)anthracene	28.568	278	1008288	19.97	ng	99
92) Benzo(g,h,i)perylene	29.627	276	991852	19.75	ng	99

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

ICAL Form

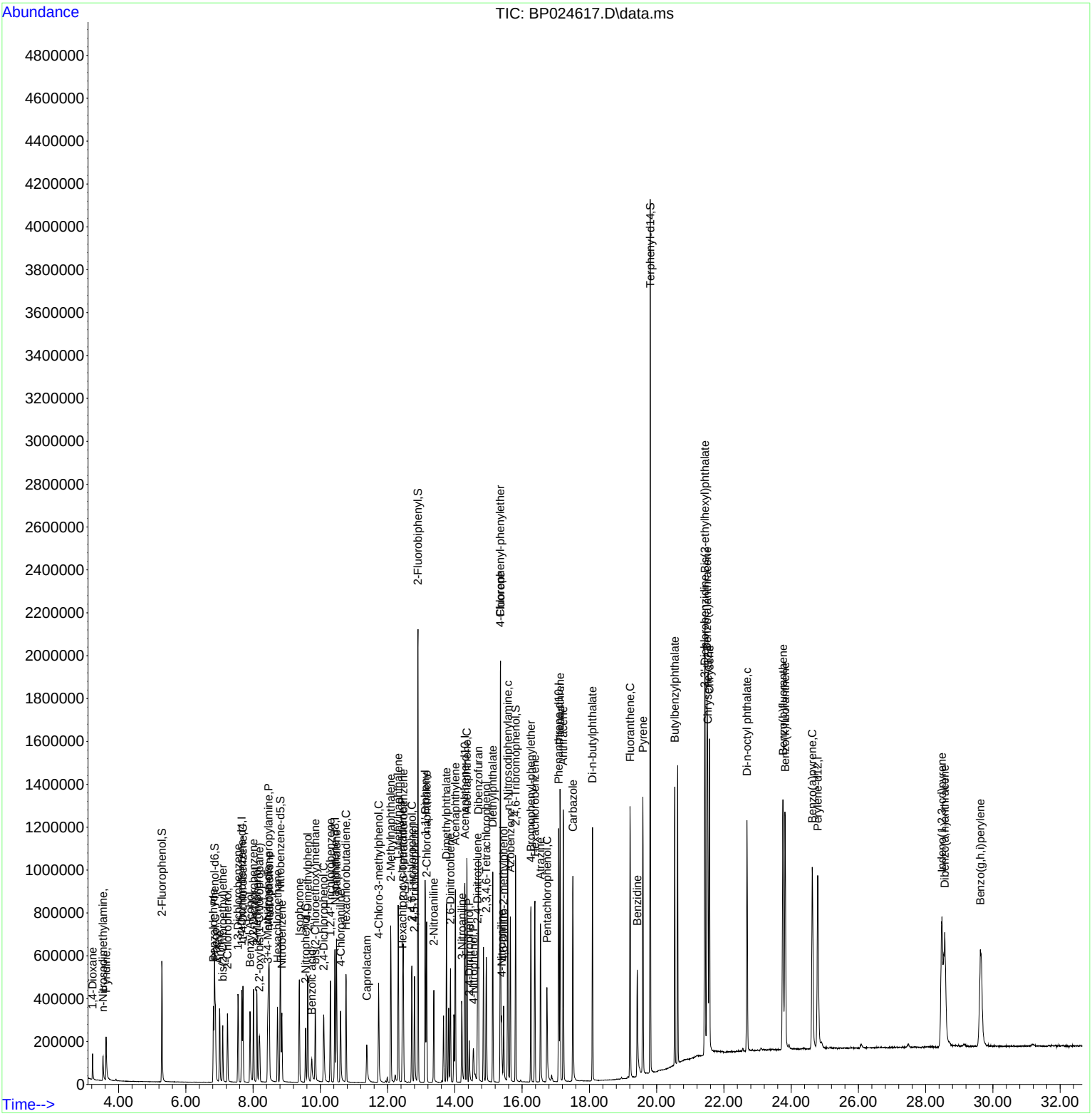
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Data File : BP024617.D
Acq On : 13 May 2025 12:43
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

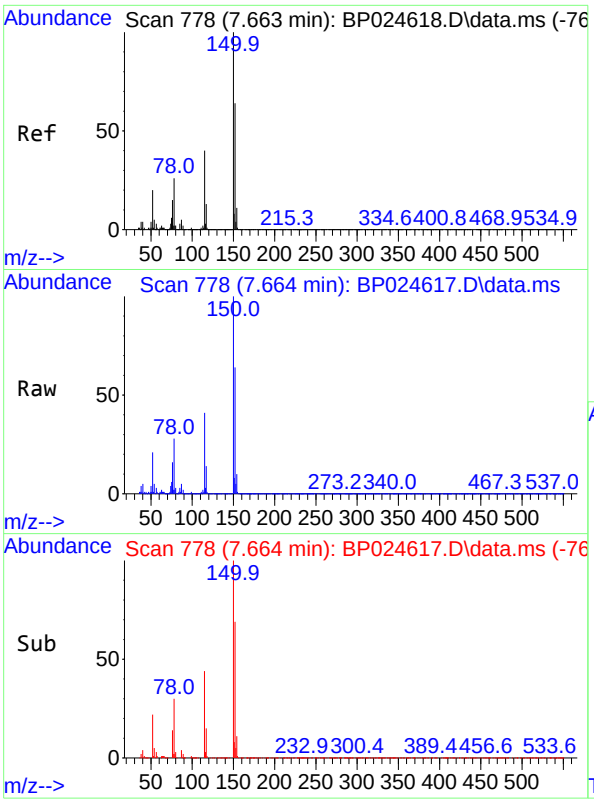
Quant Time: May 13 16:05:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

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

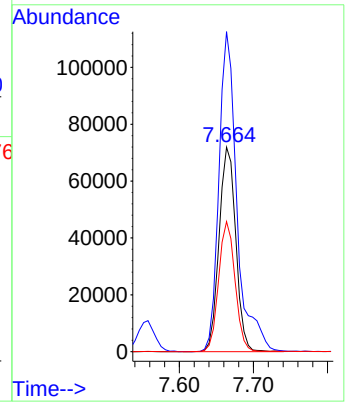




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.664 min Scan# 7
Delta R.T. 0.001 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:152 Resp: 11265

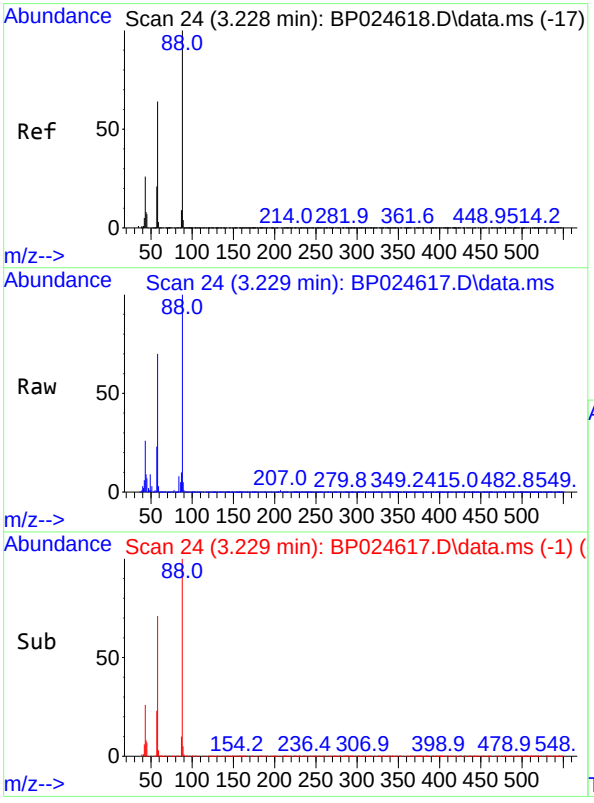
Ion	Ratio	Lower	Upper
152	100		
150	156.4	125.9	188.9
115	63.6	50.1	75.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

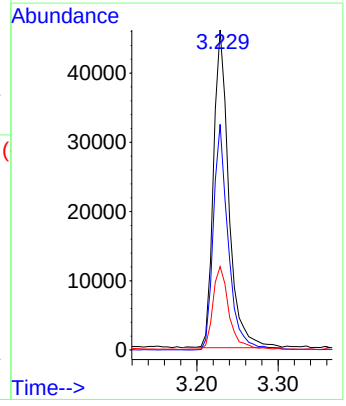
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

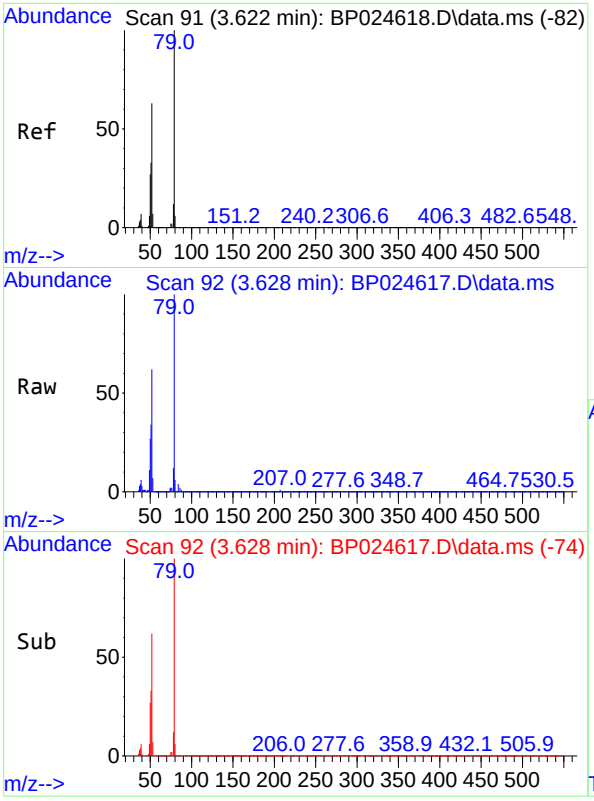


#2
1,4-Dioxane
Concen: 19.48 ng
RT: 3.229 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 88 Resp: 60251

Ion	Ratio	Lower	Upper
88	100		
58	69.2	54.0	81.0
43	27.3	21.4	32.0

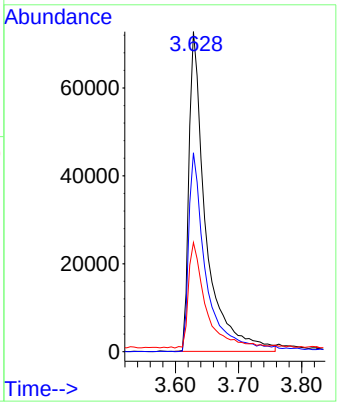




#3
Pyridine
Concen: 19.75 ng
RT: 3.628 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 79 Resp: 13545

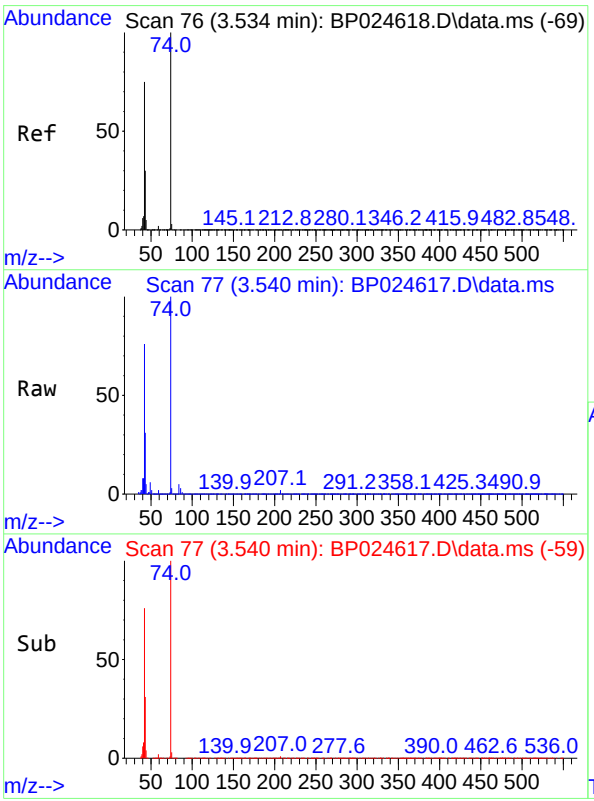
Ion	Ratio	Lower	Upper
79	100		
52	62.1	50.2	75.2
51	34.1	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

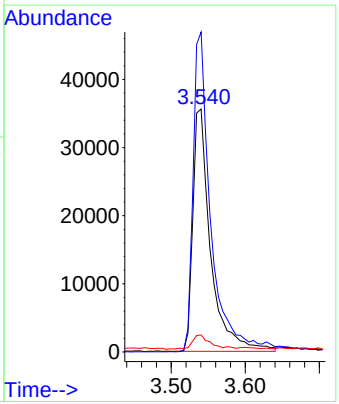
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

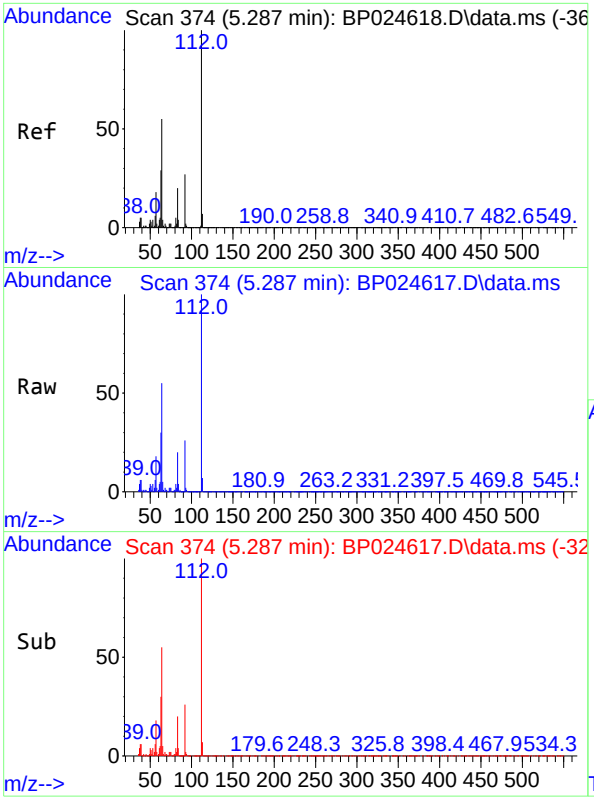


#4
n-Nitrosodimethylamine
Concen: 19.59 ng
RT: 3.540 min Scan# 77
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 42 Resp: 59324

Ion	Ratio	Lower	Upper
42	100		
74	131.7	106.2	159.2
44	7.0	5.4	8.2

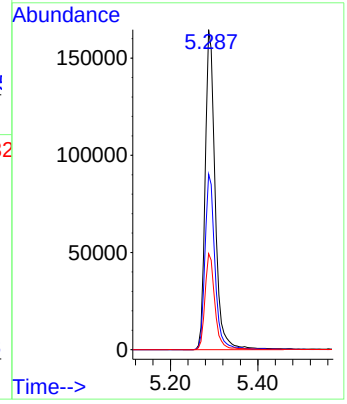




#5
2-Fluorophenol
Concen: 39.75 ng
RT: 5.287 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:112 Resp: 26182

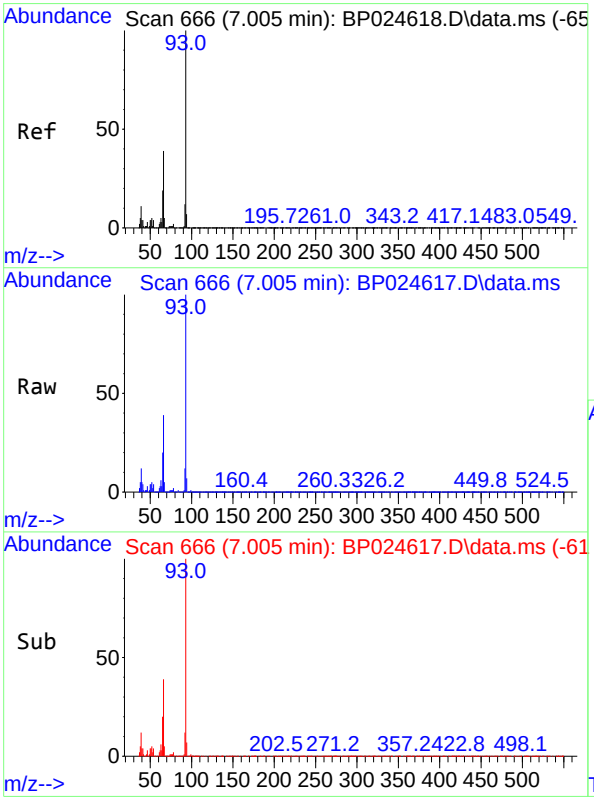
Ion	Ratio	Lower	Upper
112	100		
64	54.8	44.1	66.1
63	30.0	23.5	35.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

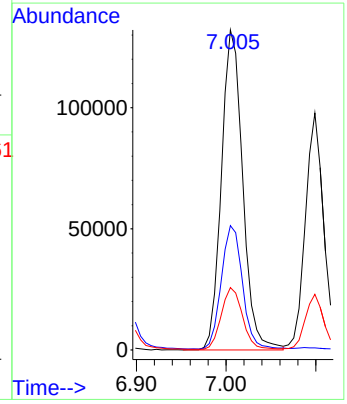
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

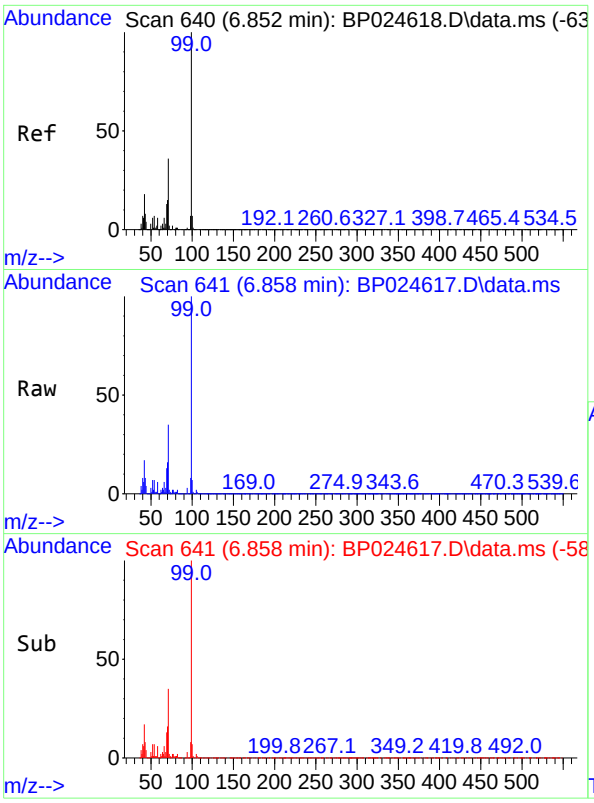


#6
Aniline
Concen: 20.05 ng
RT: 7.005 min Scan# 666
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 93 Resp: 217646

Ion	Ratio	Lower	Upper
93	100		
66	38.8	31.0	46.6
65	19.5	15.5	23.3





#7
Phenol-d6
Concen: 39.83 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

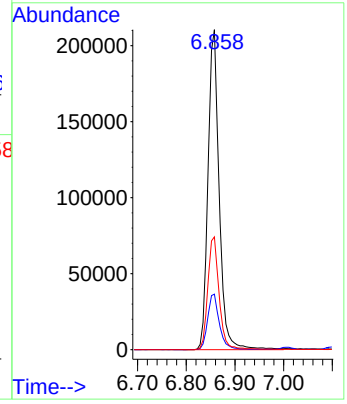
Tgt Ion: 99 Resp: 33481

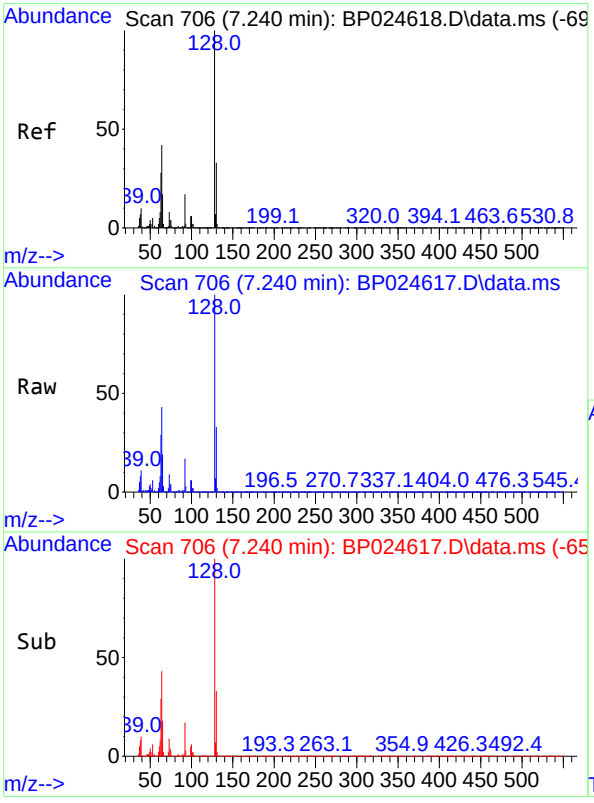
Ion	Ratio	Lower	Upper
99	100		
42	17.4	14.4	21.6
71	35.3	29.2	43.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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Supervised By :Jagrut Upadhyay 05/14/2025

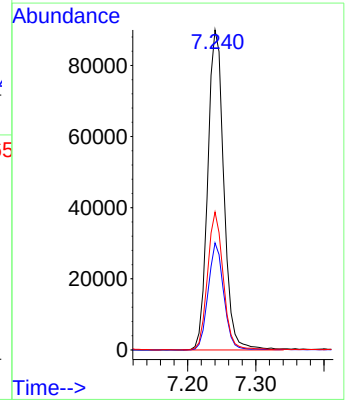


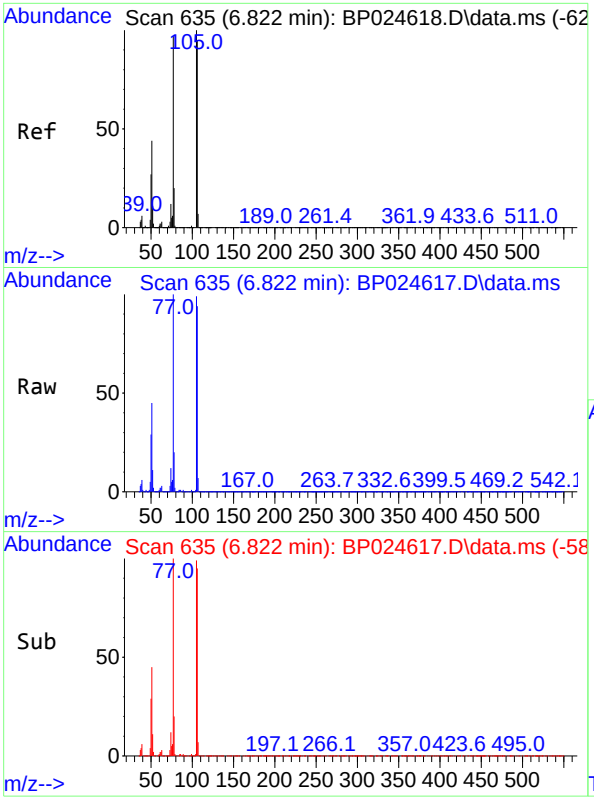


#8
2-Chlorophenol
Concen: 19.76 ng
RT: 7.240 min Scan# 706
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:128 Resp: 147726

Ion	Ratio	Lower	Upper
128	100		
130	33.5	13.0	53.0
64	43.1	22.3	62.3

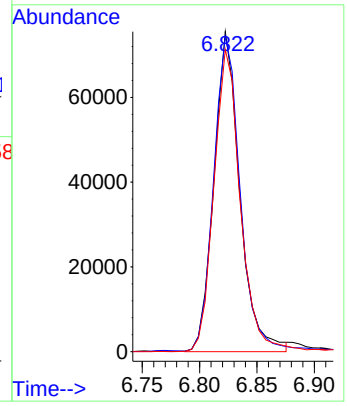




#9
Benzaldehyde
Concen: 21.69 ng m
RT: 6.822 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 77 Resp: 11782

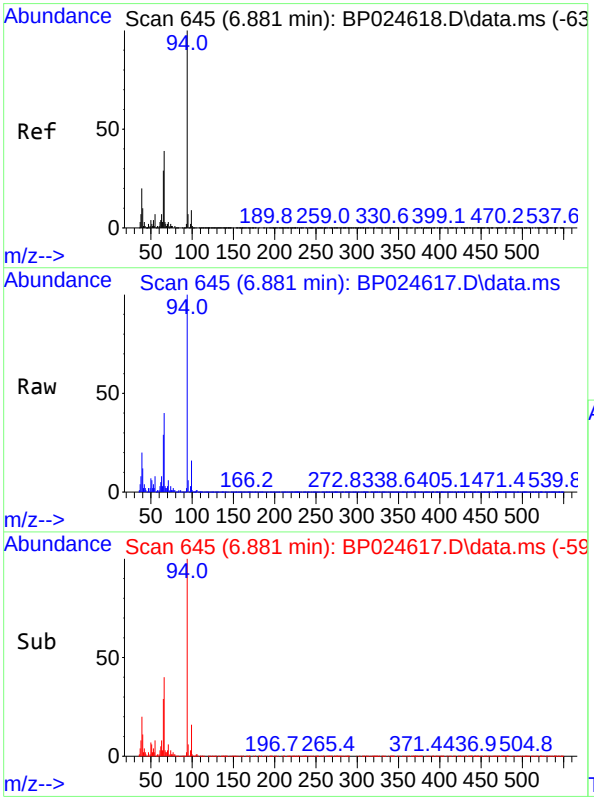
Ion	Ratio	Lower	Upper
77	100		
105	98.5	83.3	123.3
106	94.4	78.0	118.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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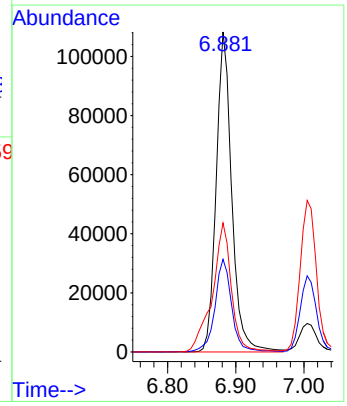
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

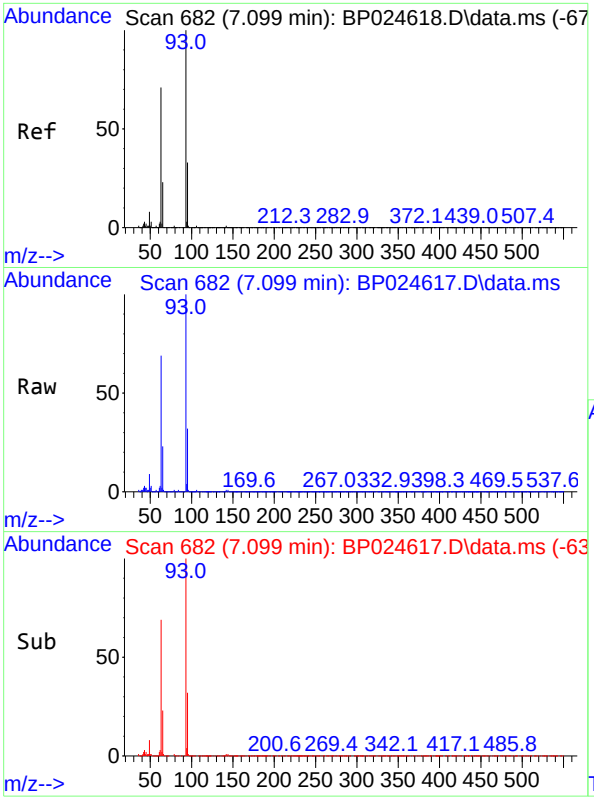


#10
Phenol
Concen: 19.82 ng
RT: 6.881 min Scan# 645
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 94 Resp: 171949

Ion	Ratio	Lower	Upper
94	100		
65	28.9	8.7	48.7
66	40.3	19.4	59.4

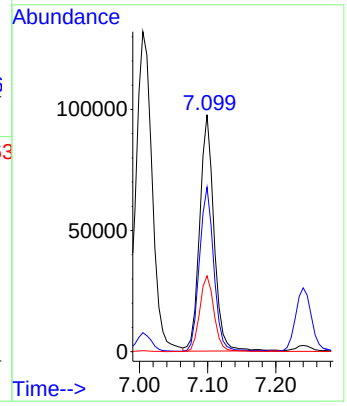




#11
bis(2-Chloroethyl)ether
Concen: 19.86 ng
RT: 7.099 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 93 Resp: 14159

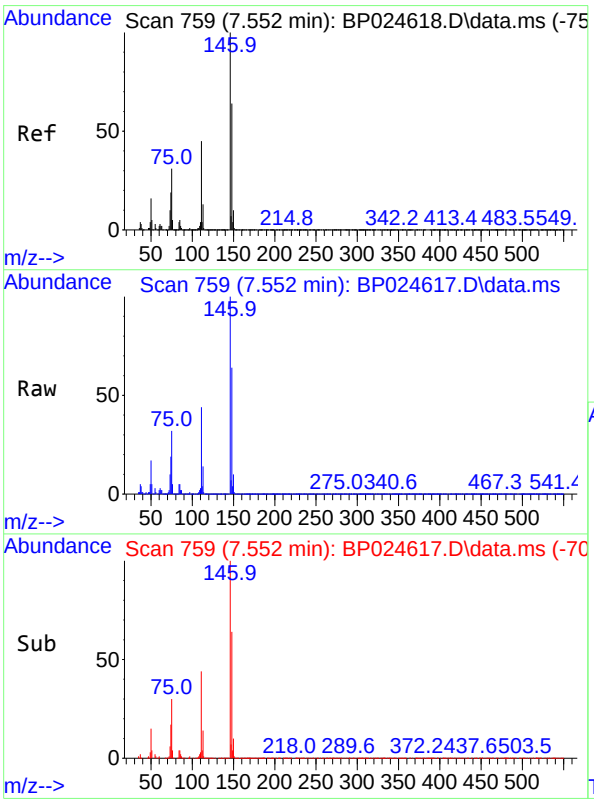
Ion	Ratio	Lower	Upper
93	100		
63	69.4	50.6	90.6
95	32.0	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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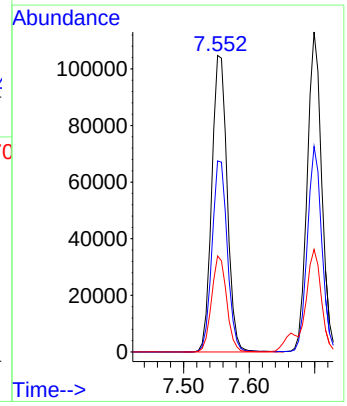
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

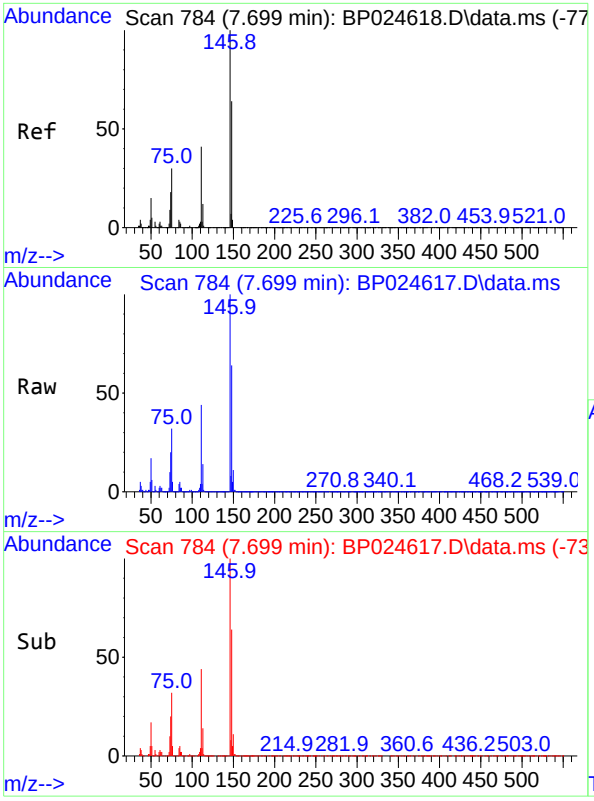


#12
1,3-Dichlorobenzene
Concen: 19.91 ng
RT: 7.552 min Scan# 759
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:146 Resp: 171270

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.4	77.2
75	32.4	25.2	37.8





#13
1,4-Dichlorobenzene
Concen: 19.85 ng
RT: 7.699 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

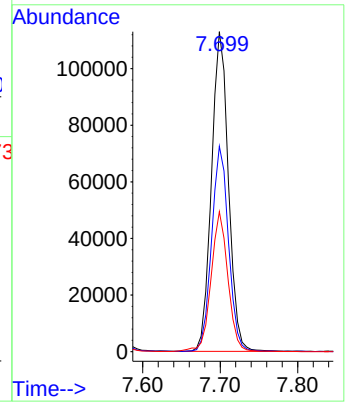
Tgt Ion:146 Resp: 17175

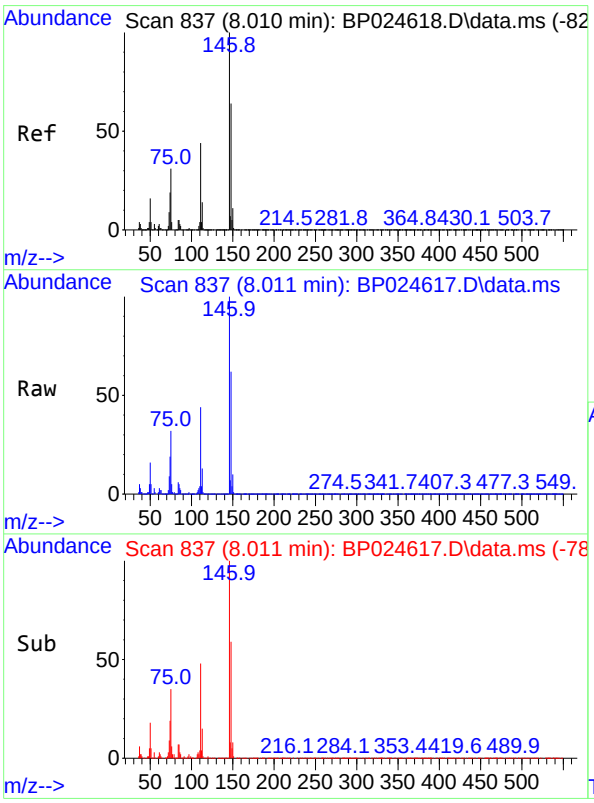
Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.0	76.6
111	43.7	33.0	49.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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

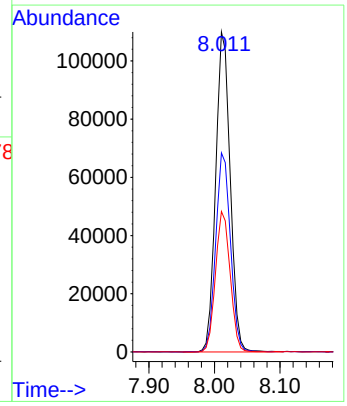


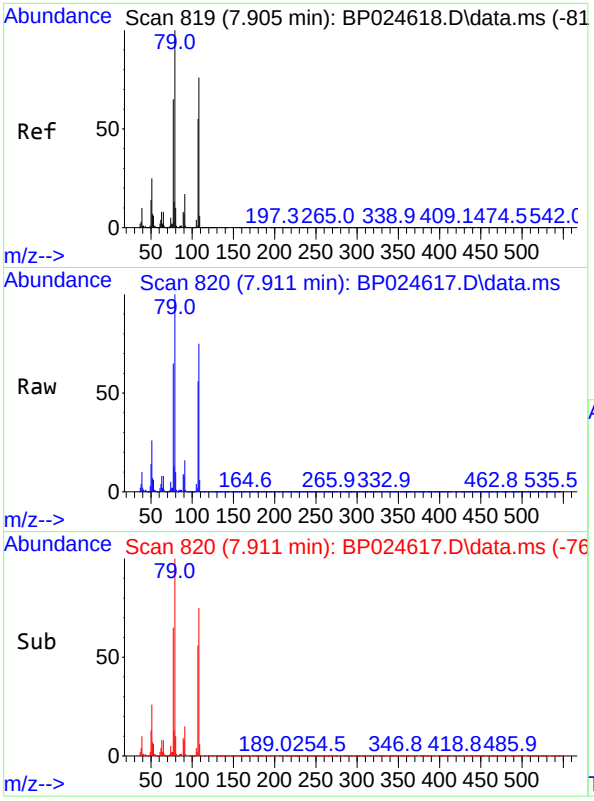


#14
1,2-Dichlorobenzene
Concen: 20.02 ng
RT: 8.011 min Scan# 837
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:146 Resp: 168795

Ion	Ratio	Lower	Upper
146	100		
148	62.2	51.0	76.4
111	43.9	35.2	52.8

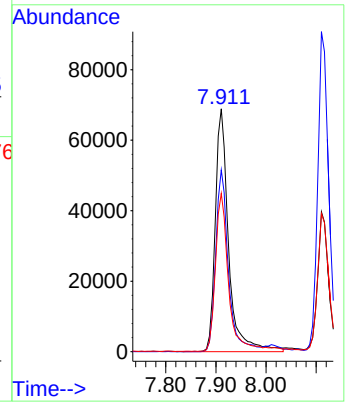




#15
Benzyl Alcohol
Concen: 19.89 ng
RT: 7.911 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 79 Resp: 12707

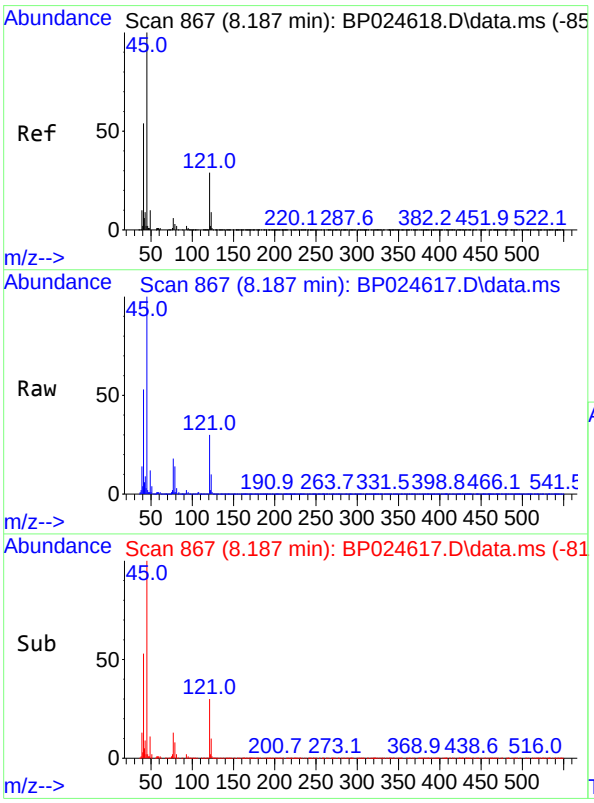
Ion	Ratio	Lower	Upper
79	100		
108	74.8	60.8	91.2
77	65.1	51.9	77.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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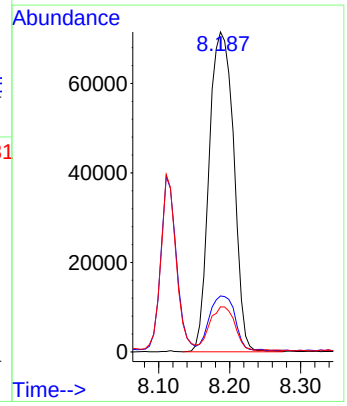
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

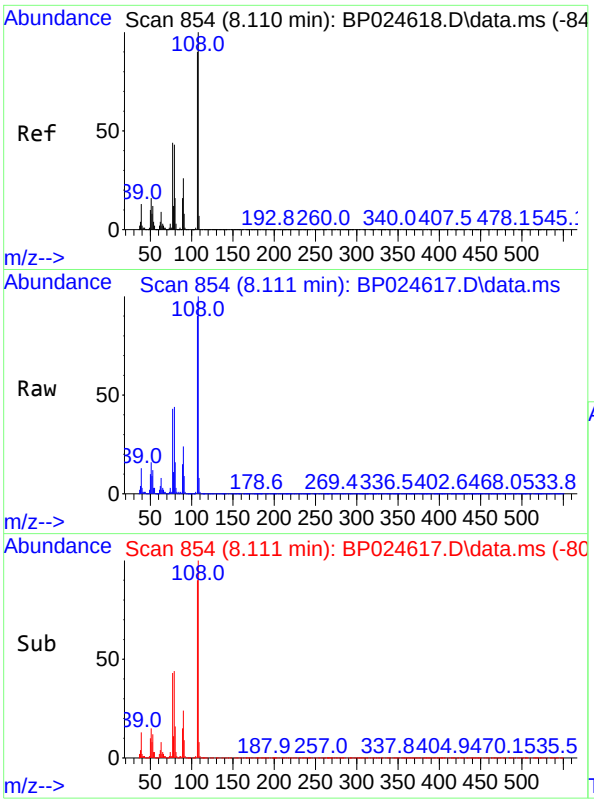


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.06 ng
RT: 8.187 min Scan# 867
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 45 Resp: 171274

Ion	Ratio	Lower	Upper
45	100		
77	17.5	0.0	37.7
79	14.1	0.0	34.0

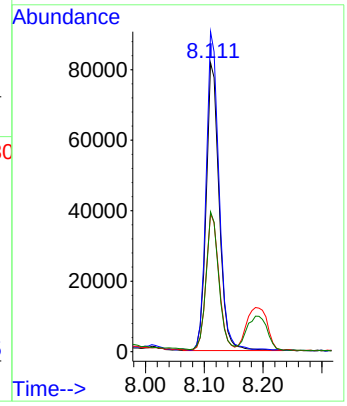




#17
2-Methylphenol
Concen: 20.01 ng
RT: 8.111 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:107 Resp: 12450

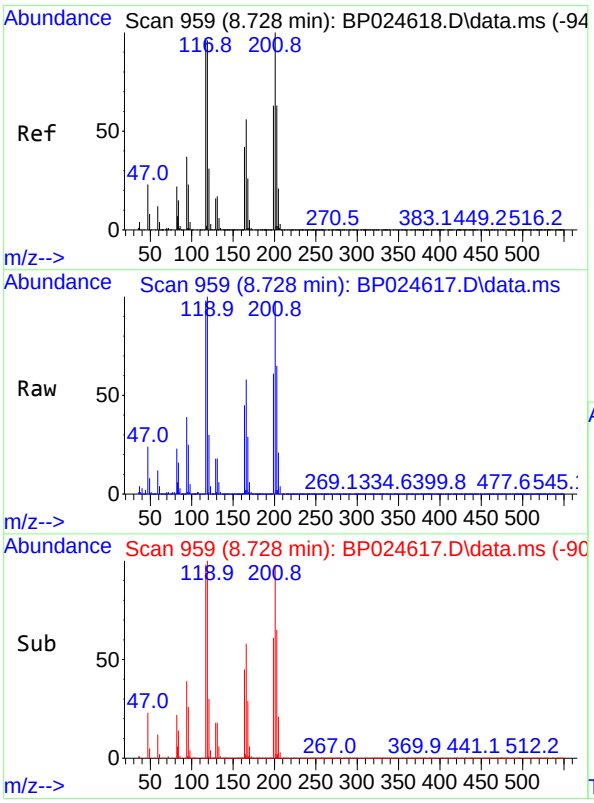
Ion	Ratio	Lower	Upper
107	100		
108	110.8	88.9	133.3
77	47.9	39.0	58.6
79	48.4	38.4	57.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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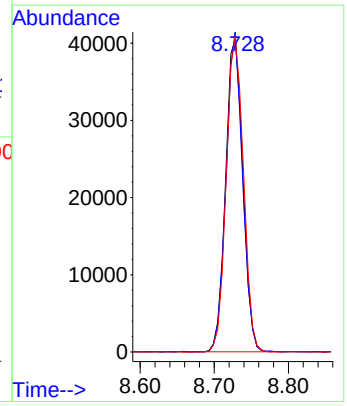
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

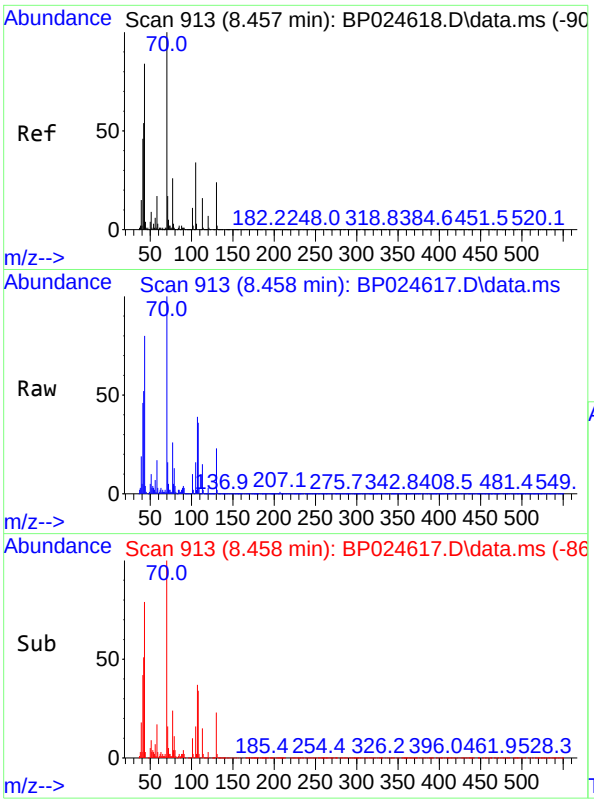


#18
Hexachloroethane
Concen: 19.76 ng
RT: 8.728 min Scan# 959
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:117 Resp: 65527

Ion	Ratio	Lower	Upper
117	100		
119	102.4	79.4	119.0
201	100.8	82.7	124.1

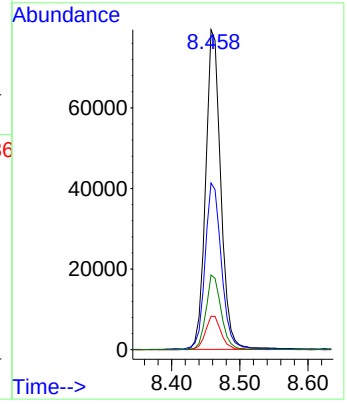




#19
n-Nitroso-di-n-propylamine
Concen: 21.05 ng
RT: 8.458 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 70 Resp: 12238

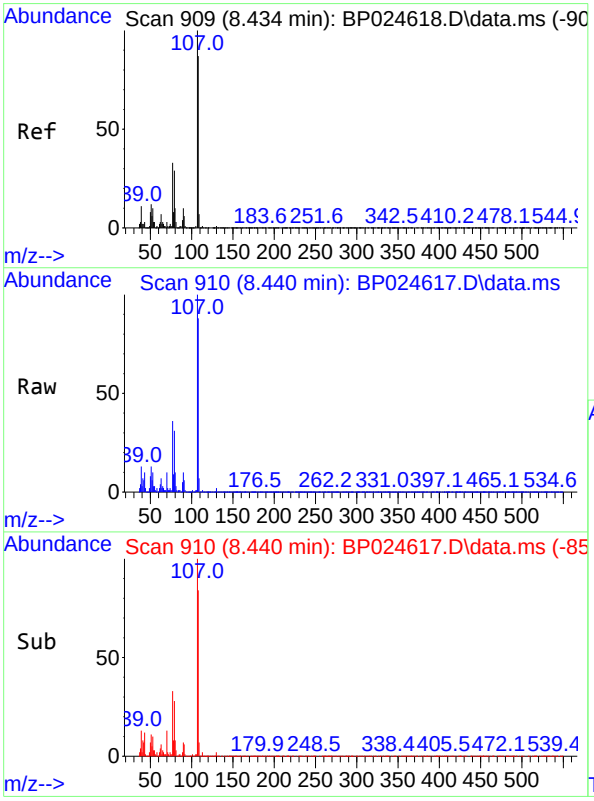
Ion	Ratio	Lower	Upper
70	100		
42	52.1	43.0	64.6
101	10.5	8.7	13.1
130	23.4	19.4	29.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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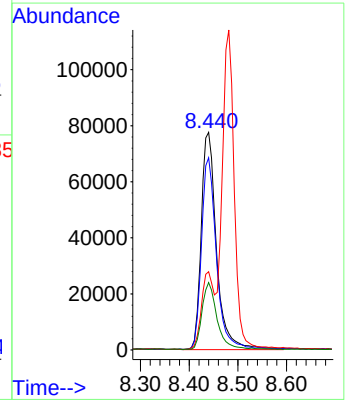
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

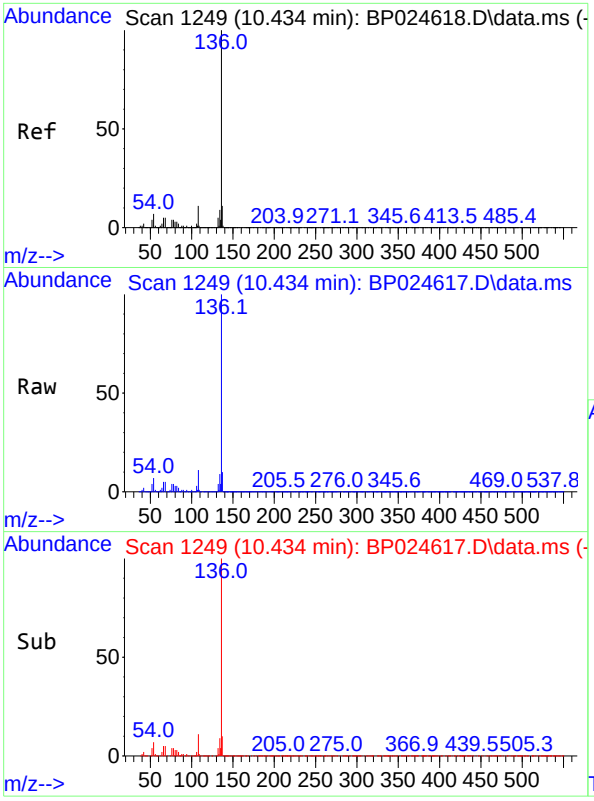


#20
3+4-Methylphenols
Concen: 20.00 ng
RT: 8.440 min Scan# 910
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:107 Resp: 169264

Ion	Ratio	Lower	Upper
107	100		
108	88.3	66.7	106.7
77	35.9	13.1	53.1
79	30.9	8.9	48.9

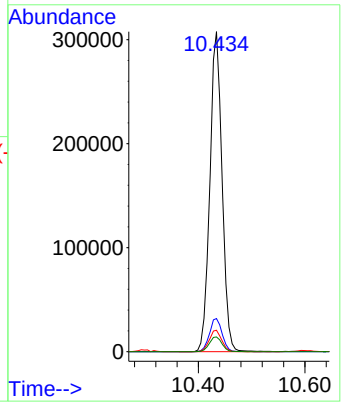




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:136 Resp: 48872

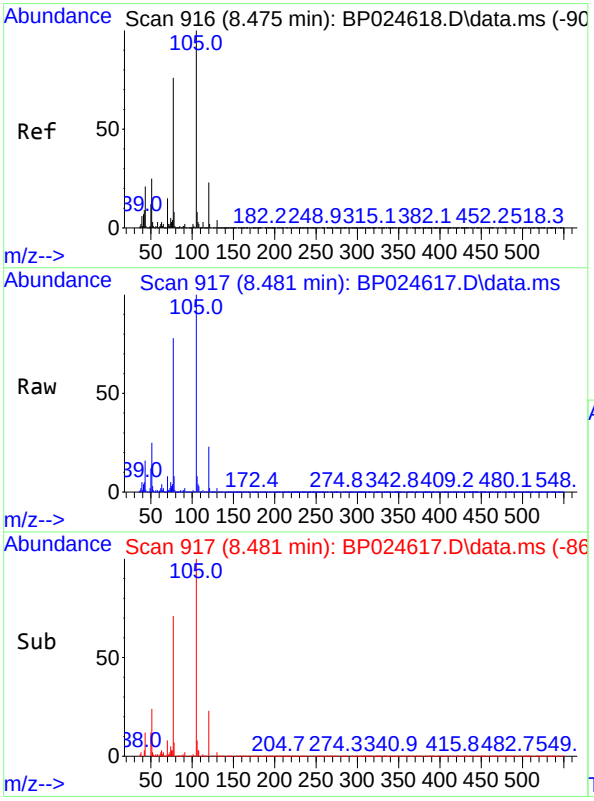
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.8	13.2
54	6.7	5.5	8.3
68	4.6	4.2	6.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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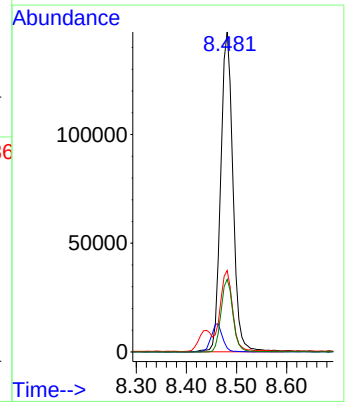
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

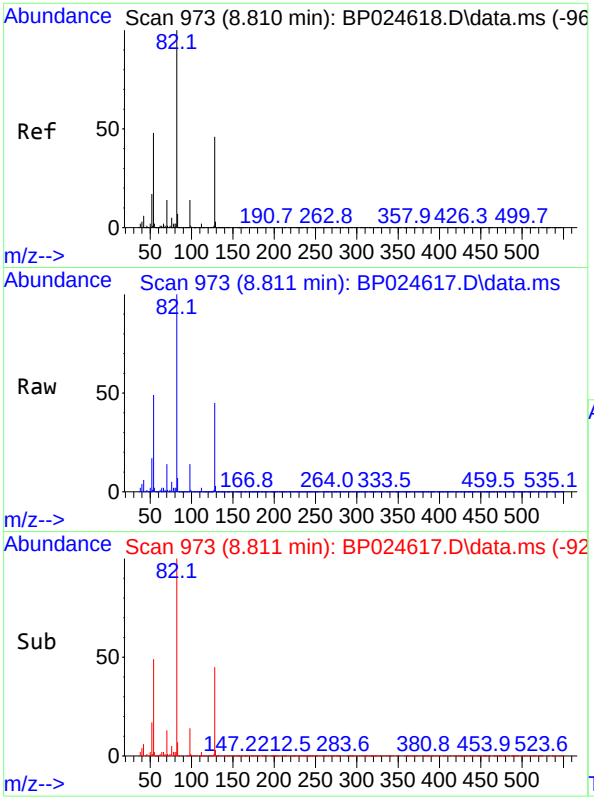


#22
Acetophenone
Concen: 20.45 ng
RT: 8.481 min Scan# 917
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:105 Resp: 249692

Ion	Ratio	Lower	Upper
105	100		
71	1.2	2.0	3.0#
51	25.5	20.4	30.6
120	22.7	18.1	27.1

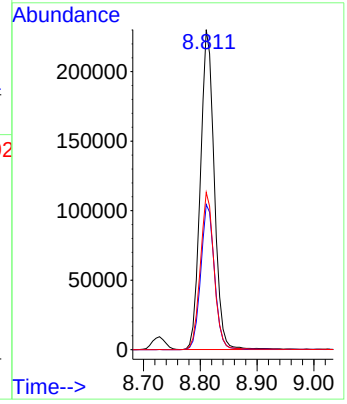




#23
Nitrobenzene-d5
Concen: 40.50 ng
RT: 8.811 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 82 Resp: 39173

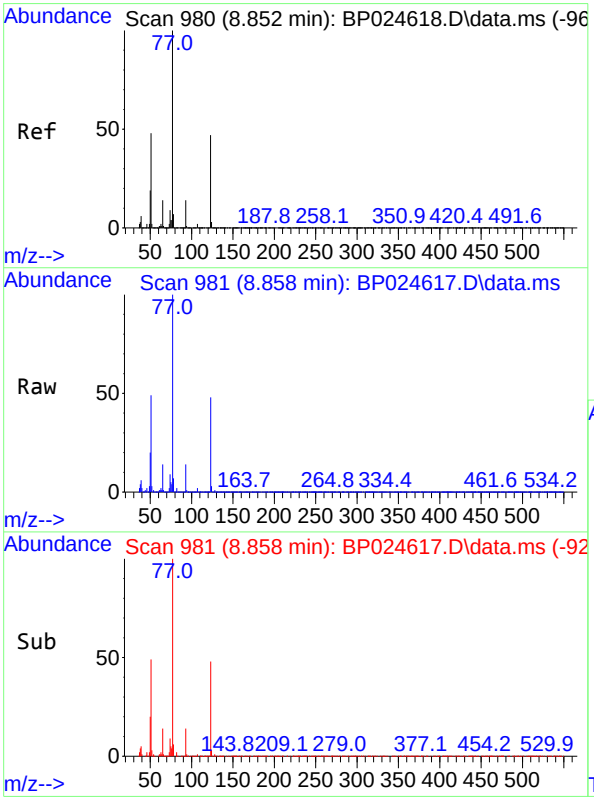
Ion	Ratio	Lower	Upper
82	100		
128	45.4	37.0	55.4
54	49.1	38.7	58.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

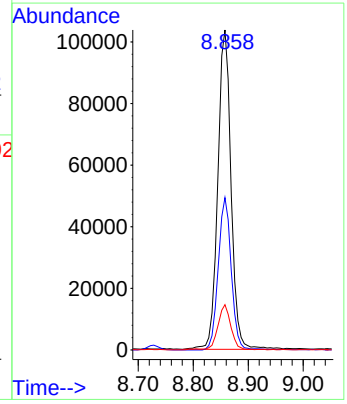
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

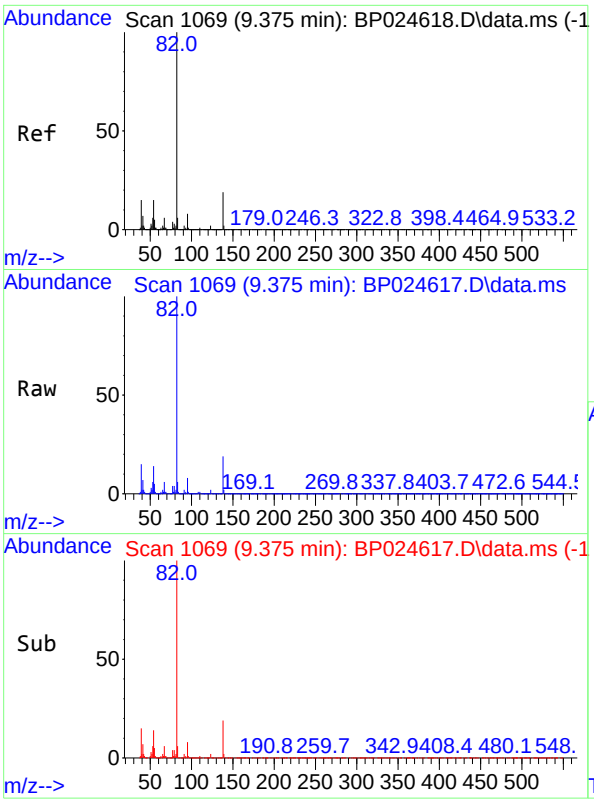


#24
Nitrobenzene
Concen: 20.40 ng
RT: 8.858 min Scan# 981
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 77 Resp: 173686

Ion	Ratio	Lower	Upper
77	100		
123	47.6	37.4	56.0
65	14.1	11.3	16.9

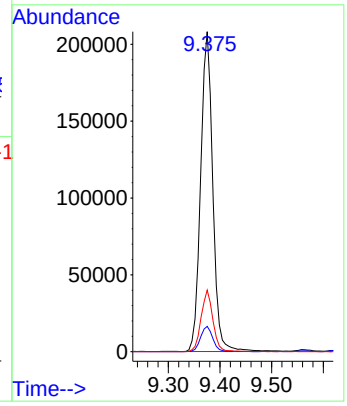




#25
Isophorone
Concen: 20.25 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 82 Resp: 33969

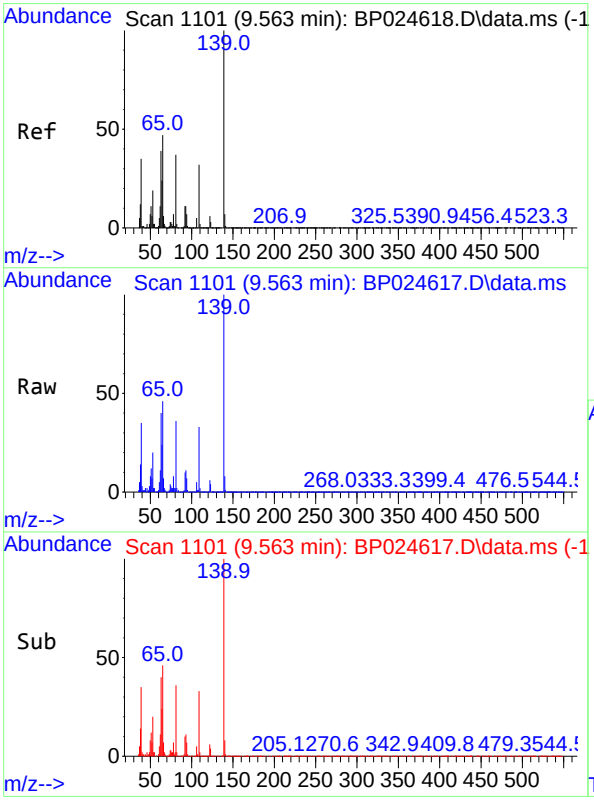
Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.3	9.5
138	19.3	15.3	22.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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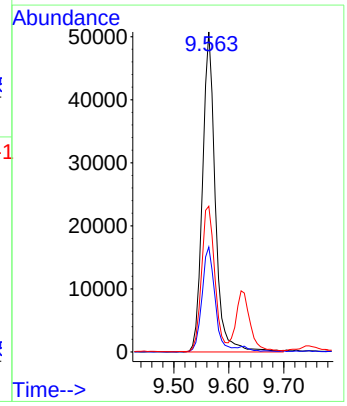
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

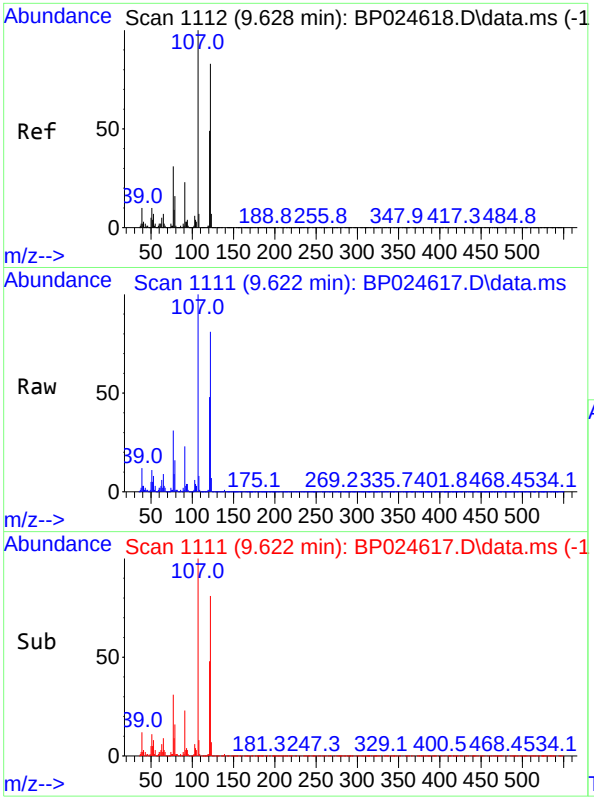


#26
2-Nitrophenol
Concen: 19.73 ng
RT: 9.563 min Scan# 1101
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:139 Resp: 82278

Ion	Ratio	Lower	Upper
139	100		
109	32.8	25.9	38.9
65	45.6	37.9	56.9





#27
2,4-Dimethylphenol
Concen: 19.96 ng
RT: 9.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

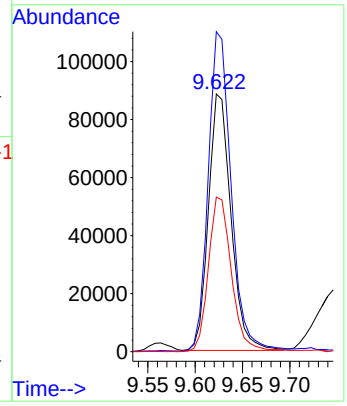
Tgt Ion:122 Resp: 14681

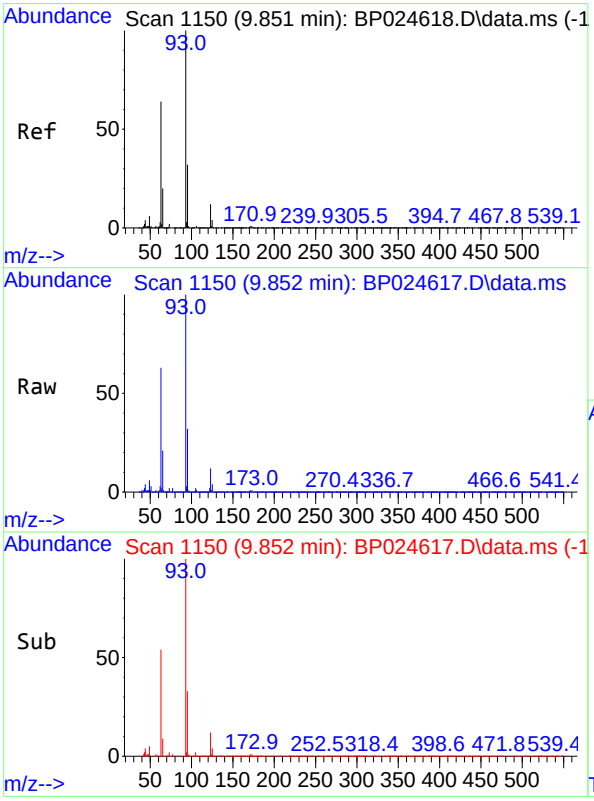
Ion	Ratio	Lower	Upper
122	100		
107	124.1	96.2	144.2
121	60.0	47.6	71.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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

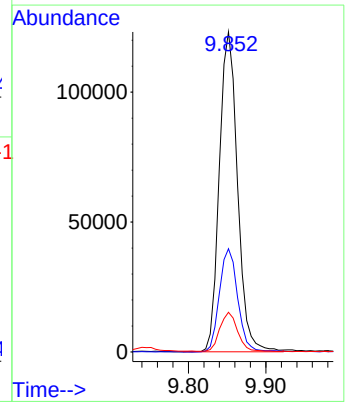


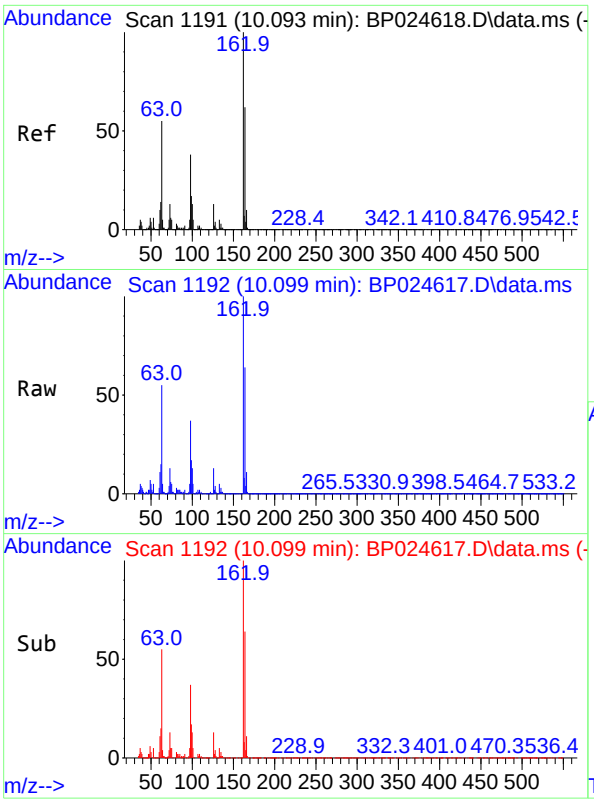


#28
bis(2-Chloroethoxy)methane
Concen: 20.04 ng
RT: 9.852 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 93 Resp: 200872

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.5	38.3
123	12.4	9.7	14.5

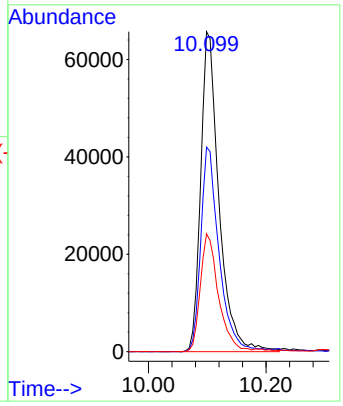




#29
2,4-Dichlorophenol
Concen: 19.90 ng
RT: 10.099 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:162 Resp: 14178

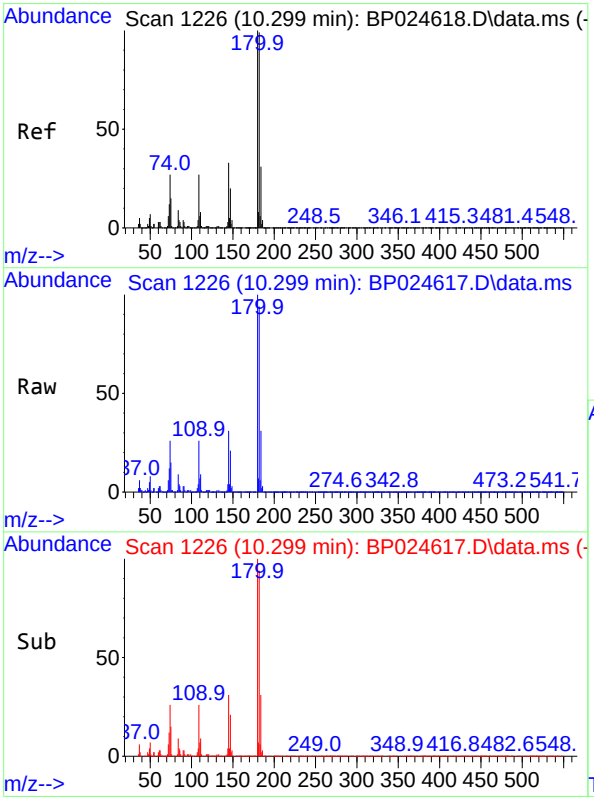
Ion	Ratio	Lower	Upper
162	100		
164	64.0	42.3	82.3
98	36.8	18.4	58.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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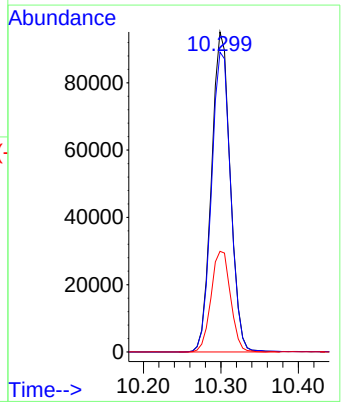
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

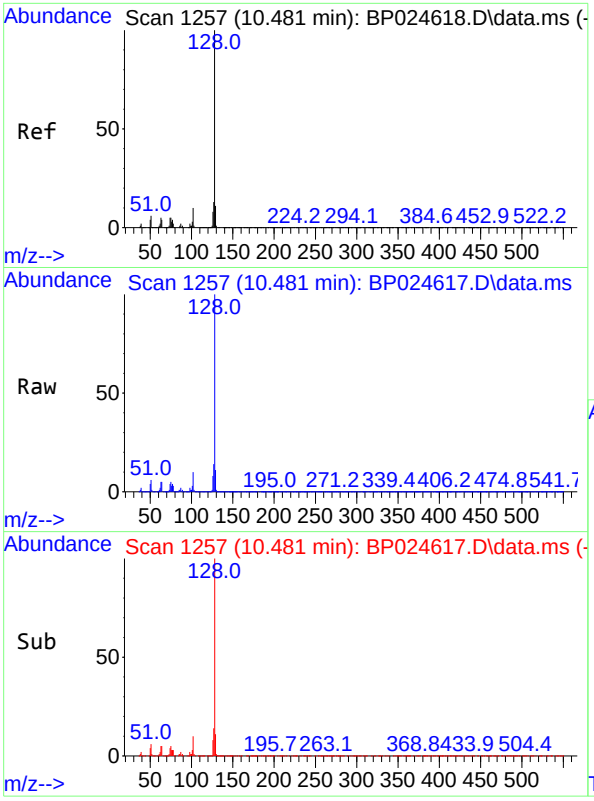


#30
1,2,4-Trichlorobenzene
Concen: 19.92 ng
RT: 10.299 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:180 Resp: 159998

Ion	Ratio	Lower	Upper
180	100		
182	93.7	79.0	118.4
145	31.5	26.6	39.8

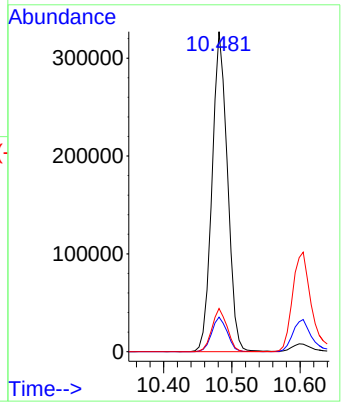




#31
Naphthalene
Concen: 20.25 ng
RT: 10.481 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:128 Resp: 51288

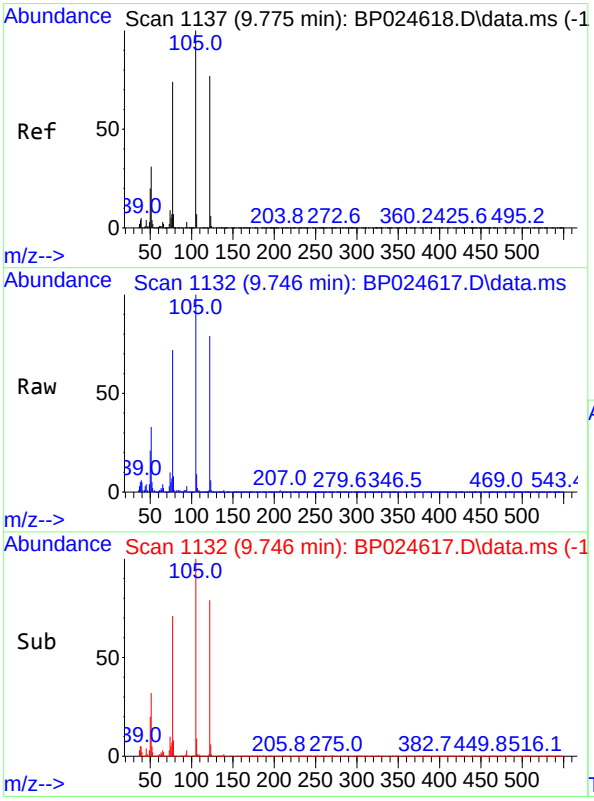
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.5	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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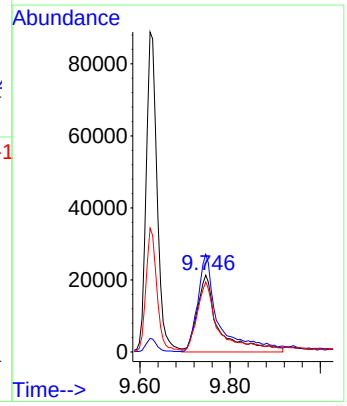
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

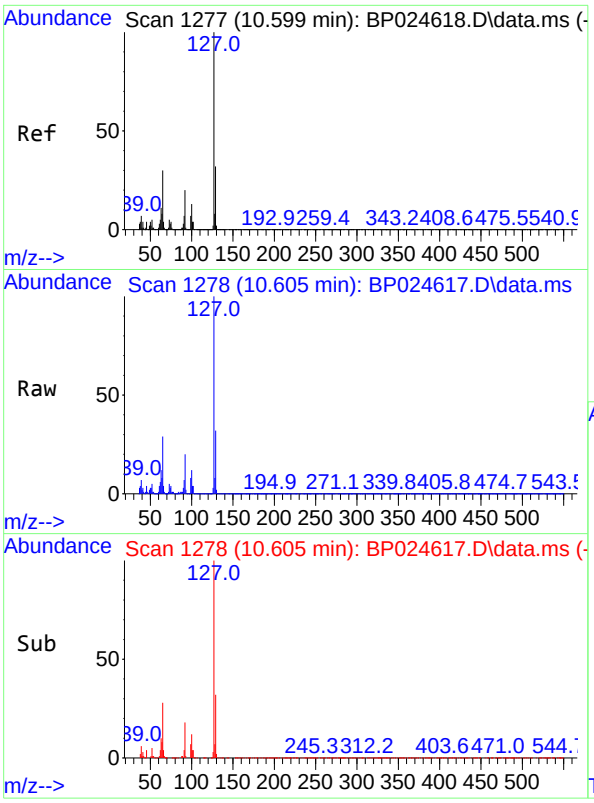


#32
Benzoic acid
Concen: 18.73 ng m
RT: 9.746 min Scan# 1132
Delta R.T. -0.029 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:122 Resp: 71538

Ion	Ratio	Lower	Upper
122	100		
105	127.1	106.9	146.9
77	91.3	75.1	115.1

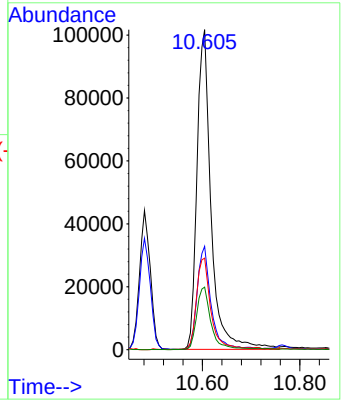




#33
4-Chloroaniline
Concen: 20.10 ng
RT: 10.605 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:127 Resp: 20543

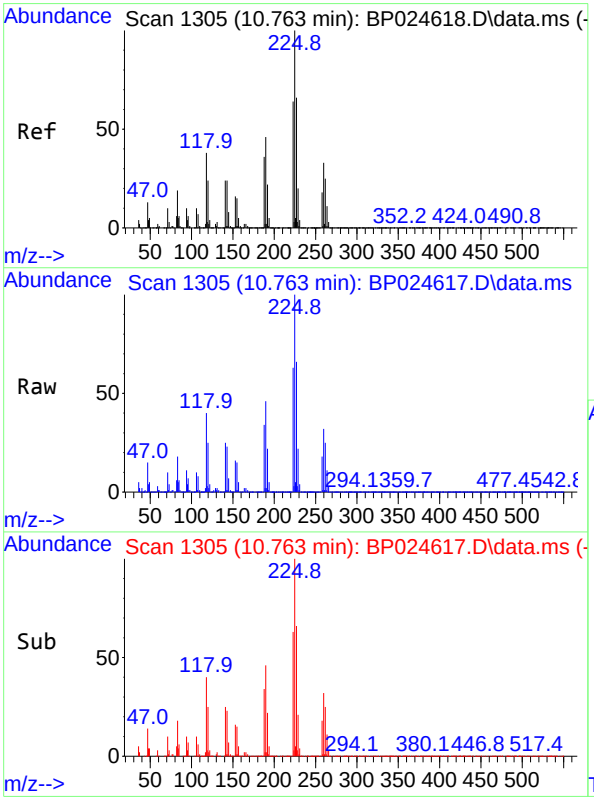
Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.8	38.6
65	28.6	23.9	35.9
92	19.6	16.1	24.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

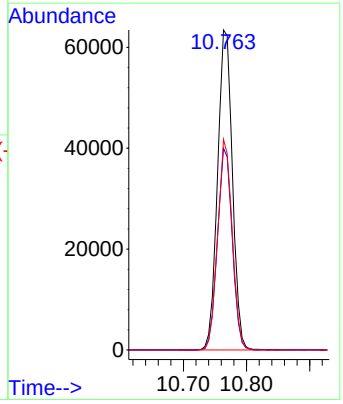
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

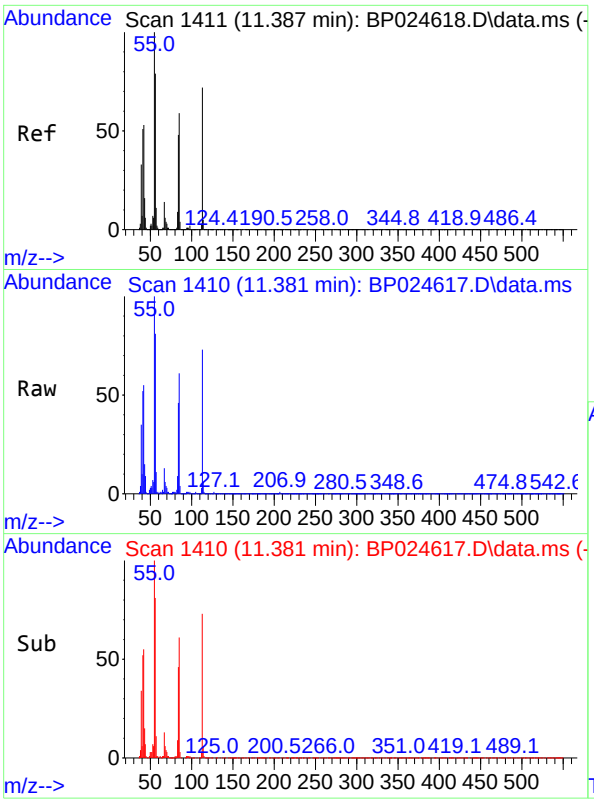


#34
Hexachlorobutadiene
Concen: 19.87 ng
RT: 10.763 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:225 Resp: 103364

Ion	Ratio	Lower	Upper
225	100		
223	63.0	51.0	76.6
227	65.8	53.1	79.7

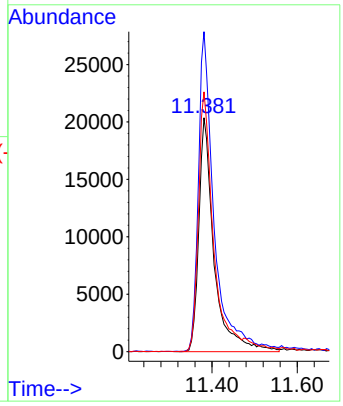




#35
Caprolactam
Concen: 19.68 ng
RT: 11.381 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:113 Resp: 5072

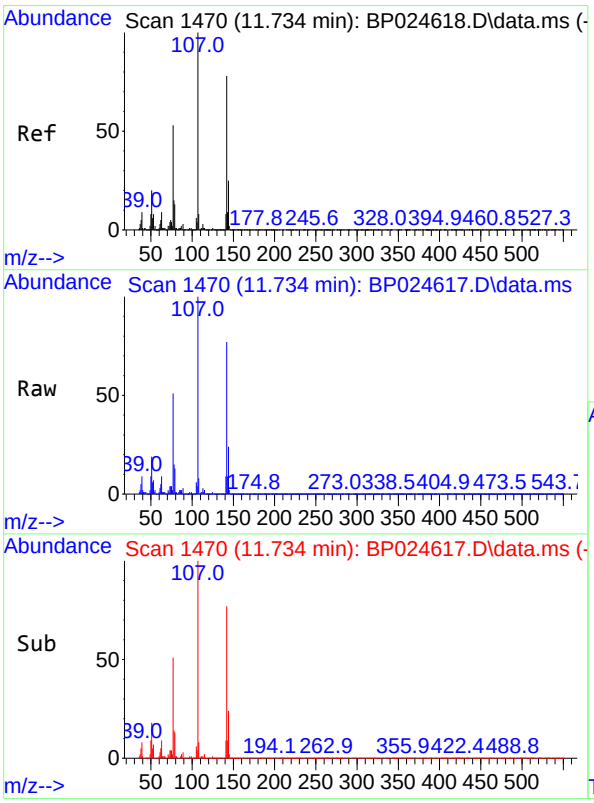
Ion	Ratio	Lower	Upper
113	100		
55	136.8	119.0	159.0
56	111.1	90.3	130.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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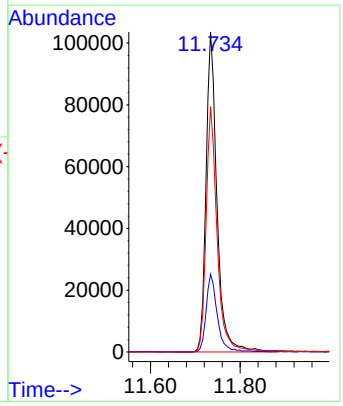
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

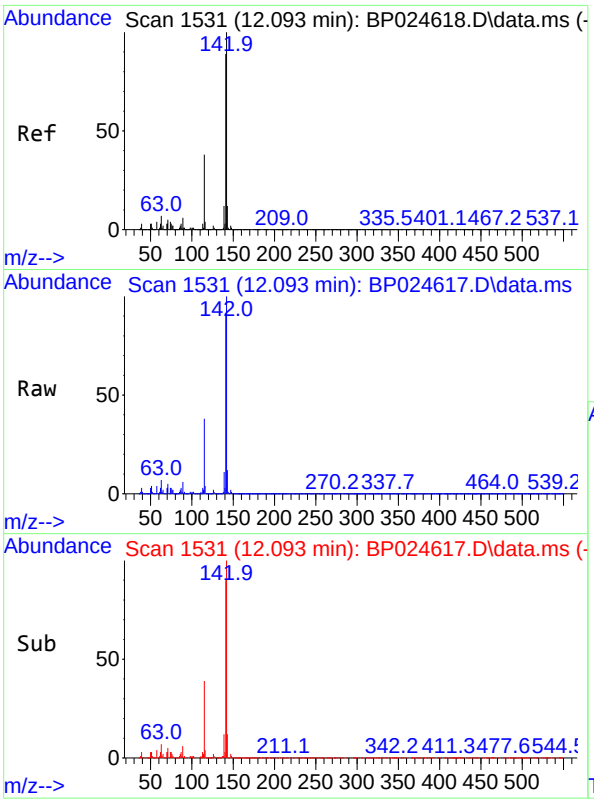


#36
4-Chloro-3-methylphenol
Concen: 20.12 ng
RT: 11.734 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:107 Resp: 174840

Ion	Ratio	Lower	Upper
107	100		
144	24.3	20.1	30.1
142	76.6	62.1	93.1





#37
2-Methylnaphthalene
Concen: 19.97 ng
RT: 12.093 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

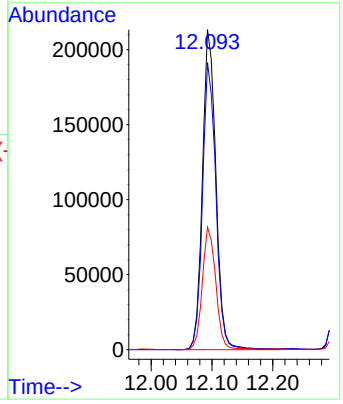
Tgt Ion:142 Resp: 32744

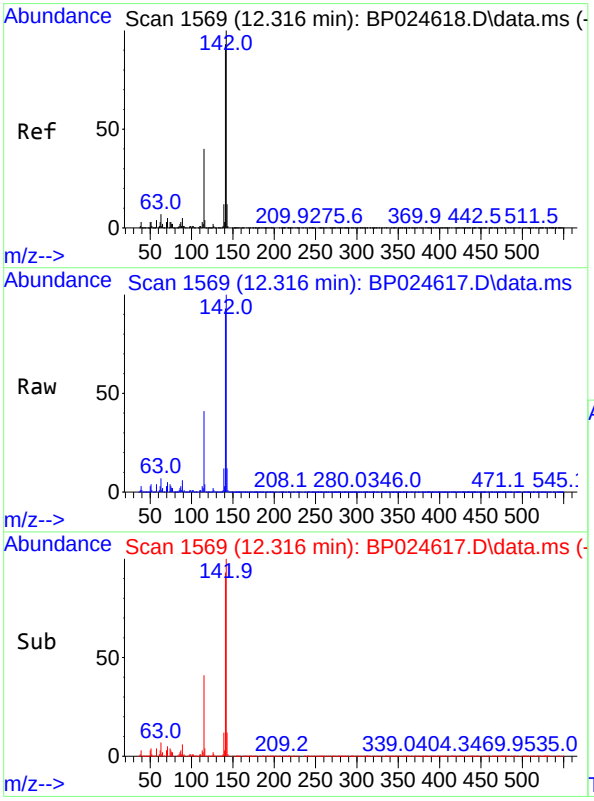
Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.2	106.8
115	38.3	30.6	46.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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

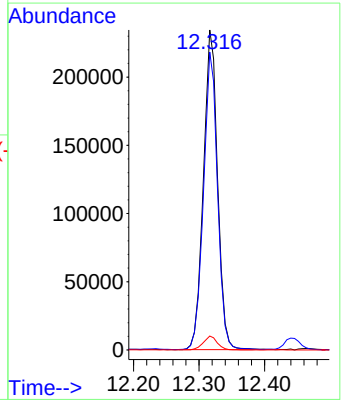


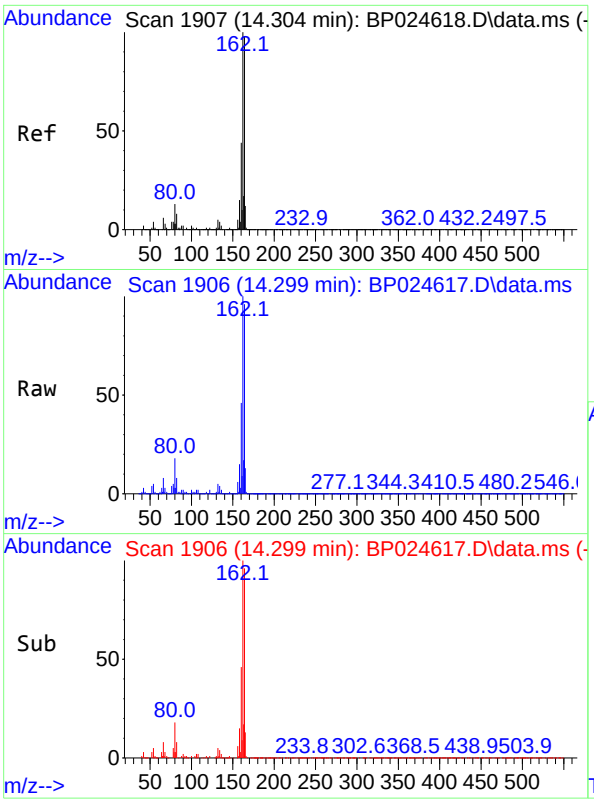


#38
1-Methylnaphthalene
Concen: 20.07 ng
RT: 12.316 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:142 Resp: 352091

Ion	Ratio	Lower	Upper
142	100		
141	93.1	74.7	112.1
116	4.4	3.4	5.2

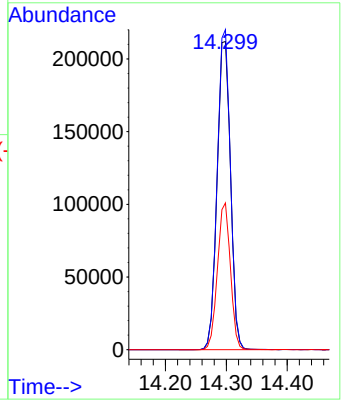




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.299 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:164 Resp: 32392

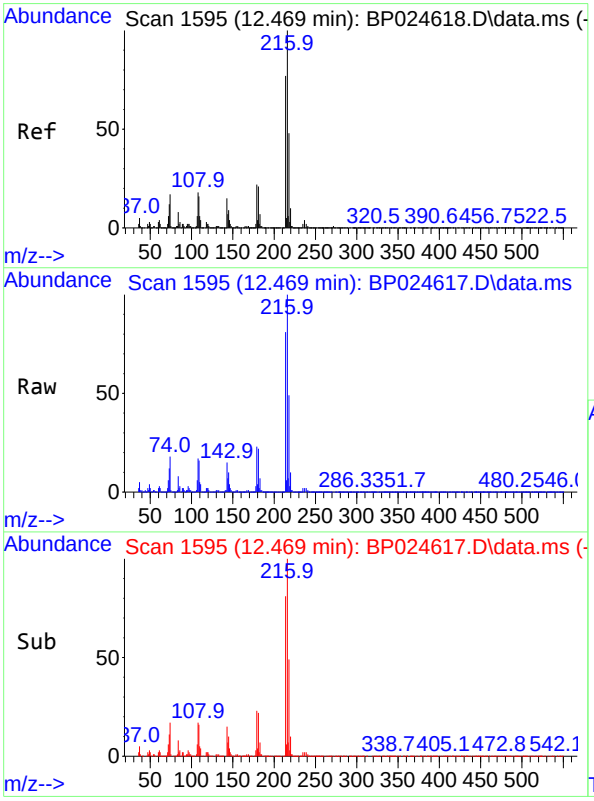
Ion	Ratio	Lower	Upper
164	100		
162	103.8	81.8	122.6
160	47.6	36.3	54.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

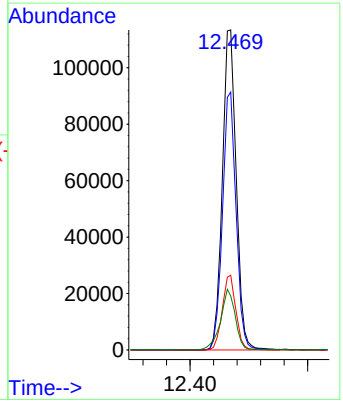
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

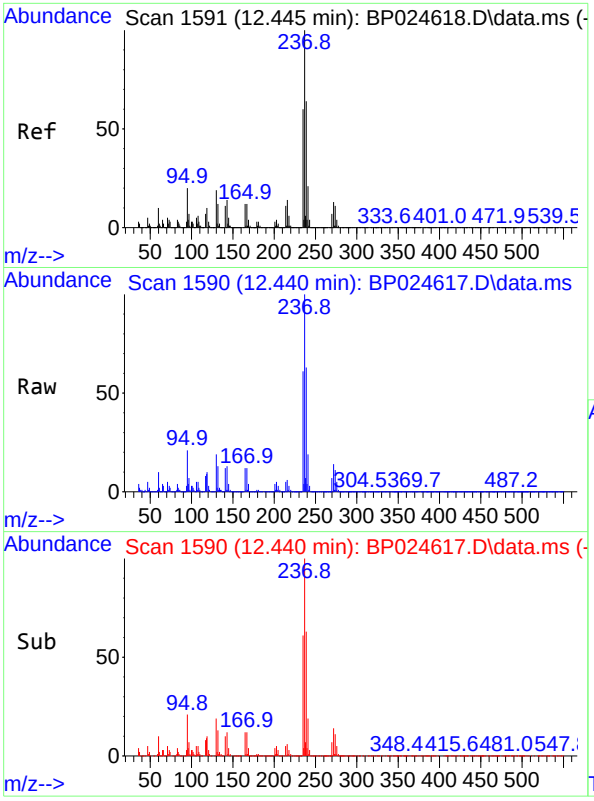


#40
1,2,4,5-Tetrachlorobenzene
Concen: 19.77 ng
RT: 12.469 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:216 Resp: 185982

Ion	Ratio	Lower	Upper
216	100		
214	79.1	62.3	93.5
179	22.9	17.7	26.5
108	20.2	16.0	24.0

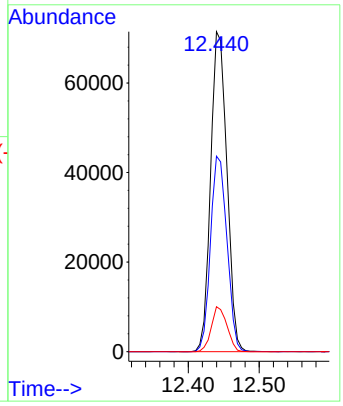




#41
Hexachlorocyclopentadiene
Concen: 19.90 ng
RT: 12.440 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:237 Resp: 11349

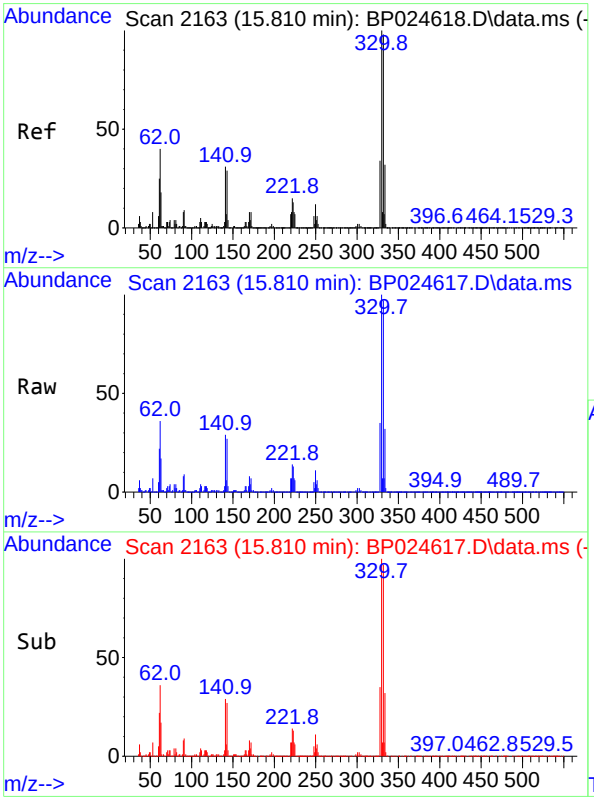
Ion	Ratio	Lower	Upper
237	100		
235	61.1	39.9	79.9
272	14.0	0.0	33.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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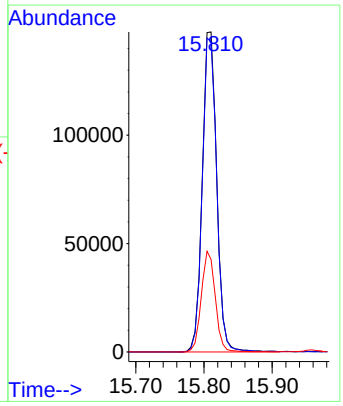
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

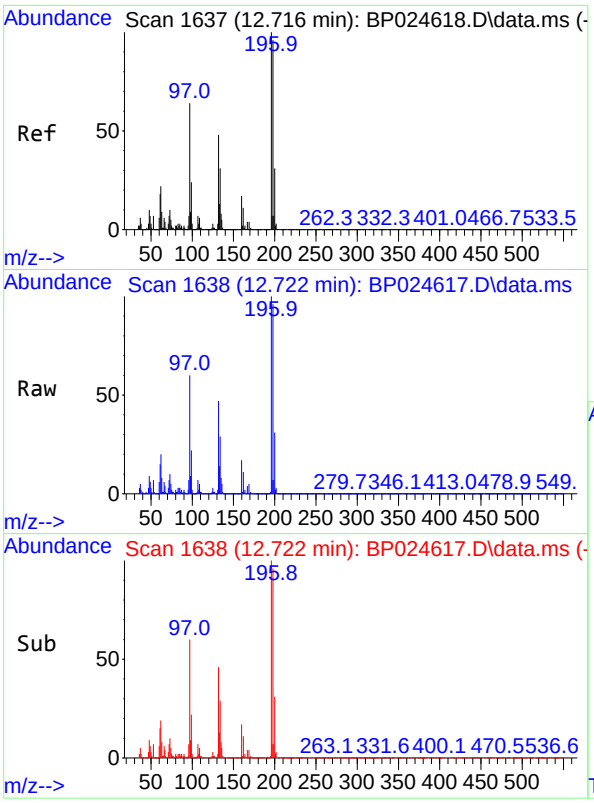


#42
2,4,6-Tribromophenol
Concen: 39.53 ng
RT: 15.810 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:330 Resp: 217092

Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.2	117.4
141	30.5	24.3	36.5

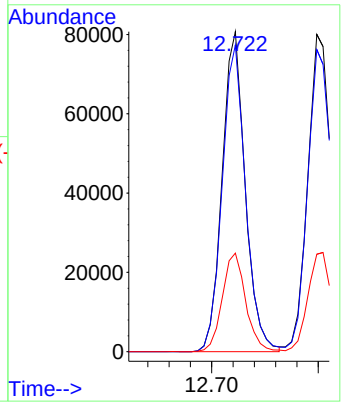




#43
2,4,6-Trichlorophenol
Concen: 19.95 ng
RT: 12.722 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:196 Resp: 12152

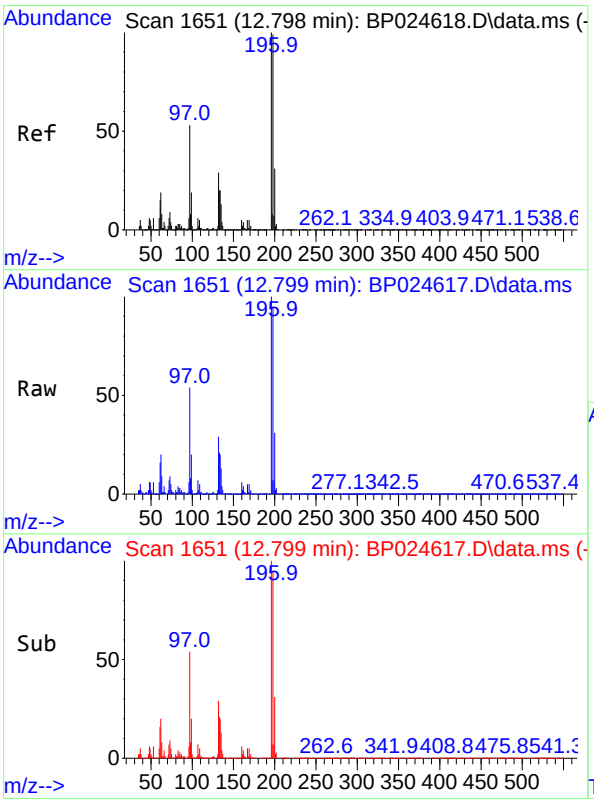
Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.9	115.3
200	30.8	25.2	37.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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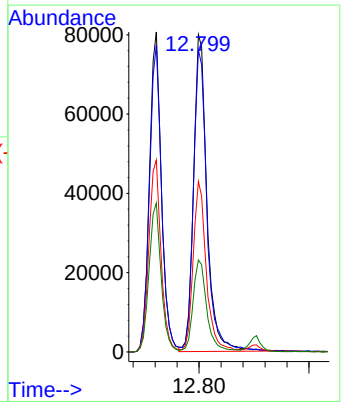
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

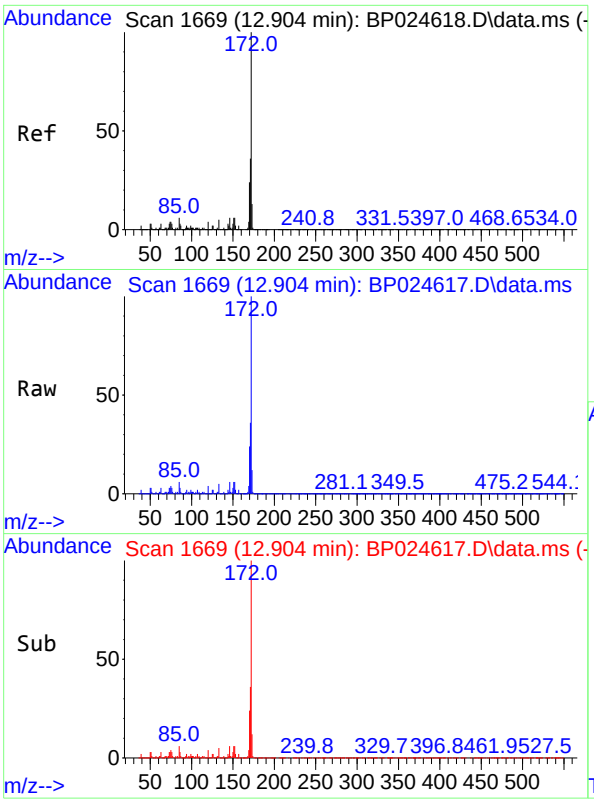


#44
2,4,5-Trichlorophenol
Concen: 19.95 ng
RT: 12.799 min Scan# 1651
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:196 Resp: 135306

Ion	Ratio	Lower	Upper
196	100		
198	95.2	79.2	118.8
97	53.8	42.3	63.5
132	29.0	23.3	34.9

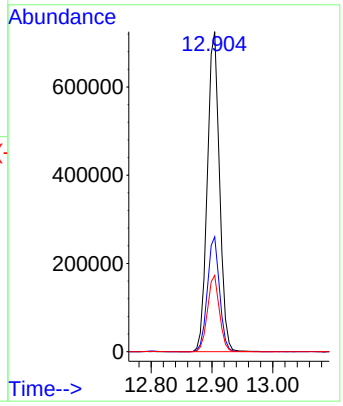




#45
2-Fluorobiphenyl
Concen: 40.69 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:172 Resp: 100615

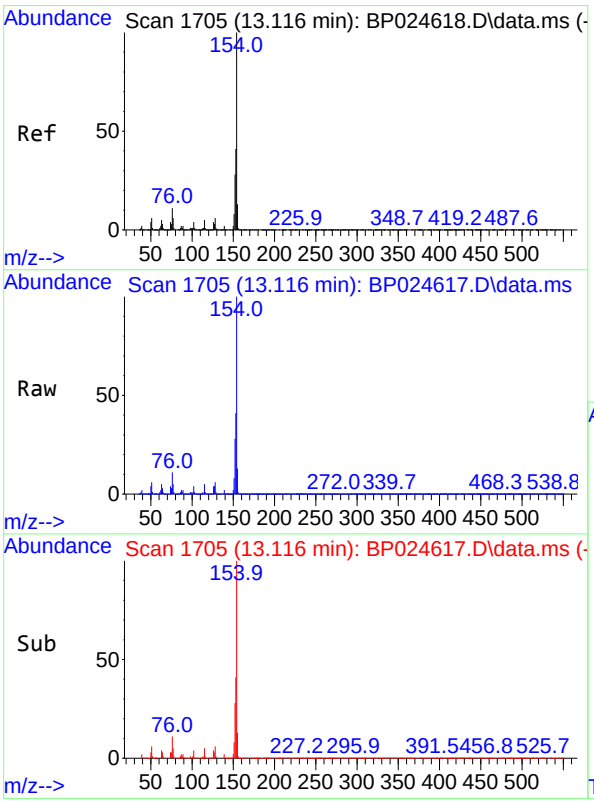
Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.8	43.2
170	23.8	18.8	28.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

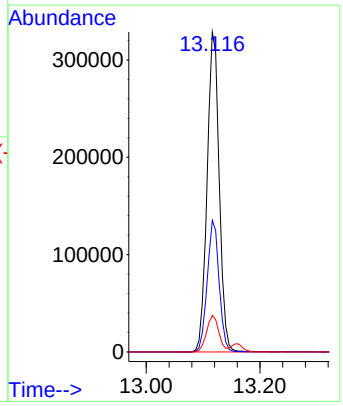
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

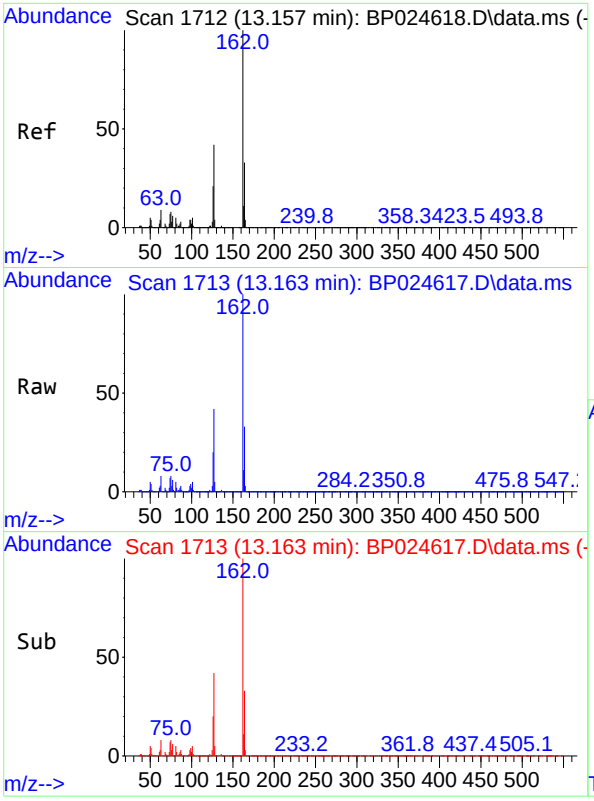


#46
1,1'-Biphenyl
Concen: 20.19 ng
RT: 13.116 min Scan# 1705
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:154 Resp: 483352

Ion	Ratio	Lower	Upper
154	100		
153	41.2	21.0	61.0
76	11.4	0.0	31.5

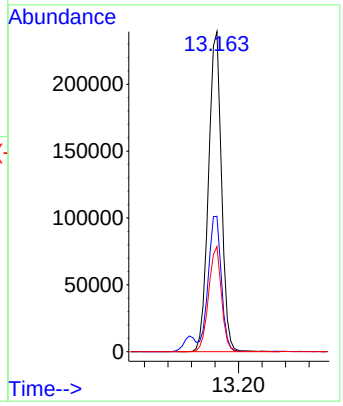




#47
2-Chloronaphthalene
Concen: 20.06 ng
RT: 13.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:162 Resp: 36624

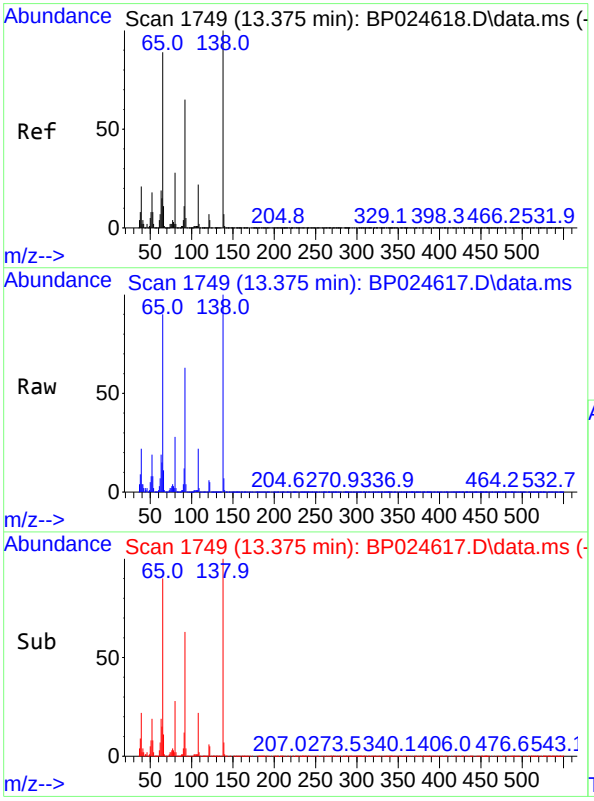
Ion	Ratio	Lower	Upper
162	100		
127	42.3	33.8	50.6
164	32.8	26.0	39.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

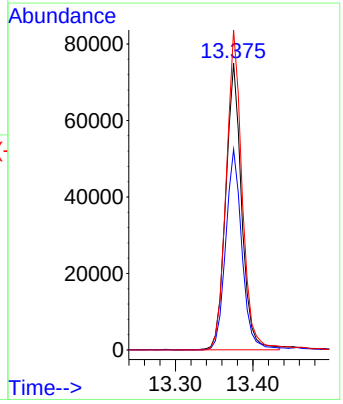
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

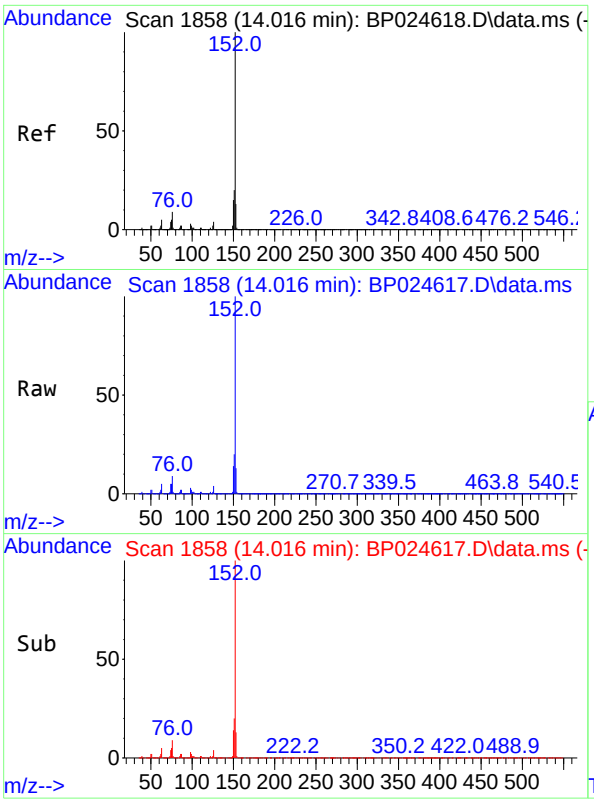


#48
2-Nitroaniline
Concen: 19.81 ng
RT: 13.375 min Scan# 1749
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 65 Resp: 107062

Ion	Ratio	Lower	Upper
65	100		
92	69.8	58.7	88.1
138	111.5	90.2	135.2

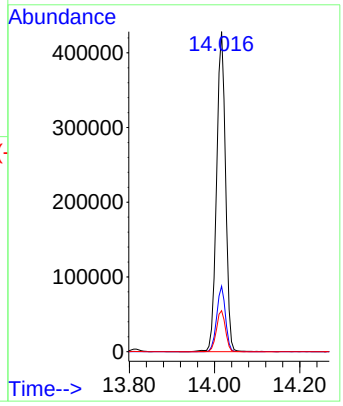




#49
Acenaphthylene
Concen: 20.36 ng
RT: 14.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:152 Resp: 62199

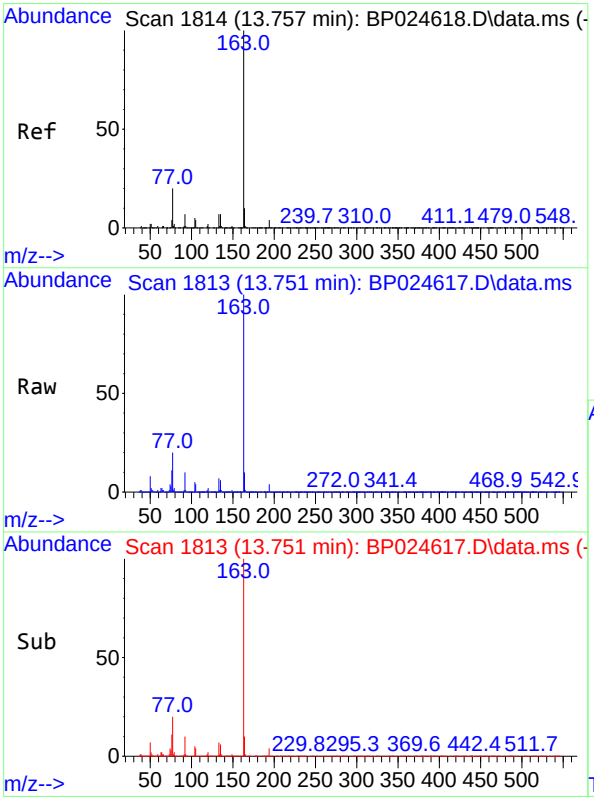
Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.4
153	12.8	10.2	15.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

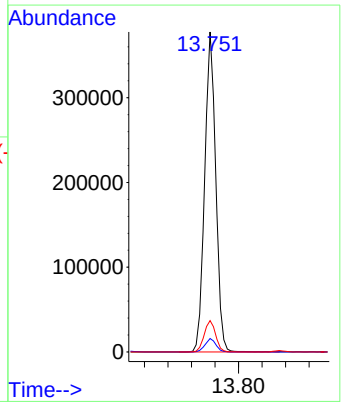
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

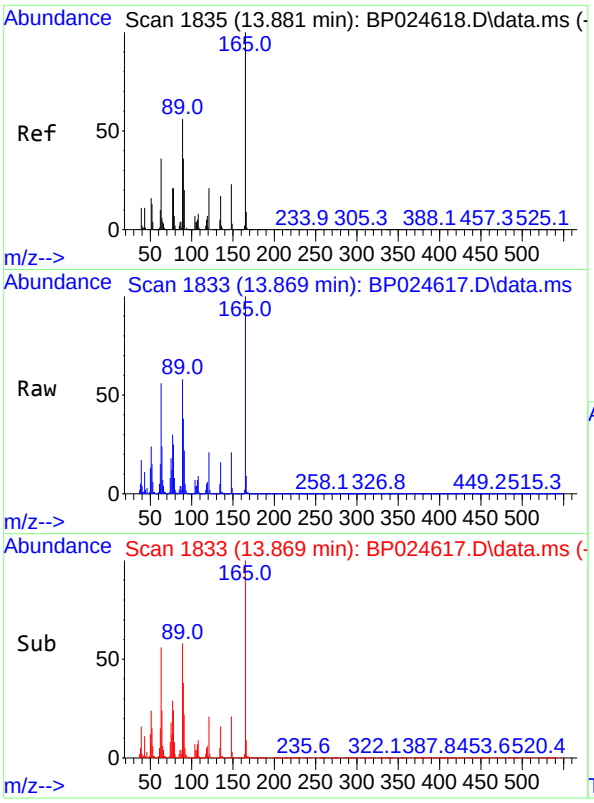


#50
Dimethylphthalate
Concen: 19.91 ng
RT: 13.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:163 Resp: 491623

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	9.8	8.1	12.1





#51
2,6-Dinitrotoluene
Concen: 20.23 ng
RT: 13.869 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

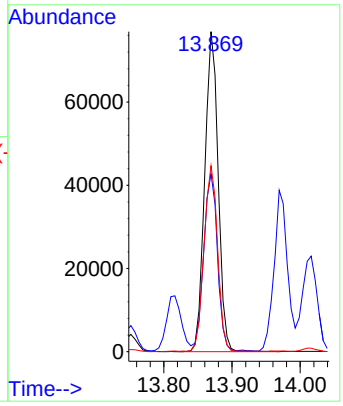
Tgt Ion:165 Resp: 10547

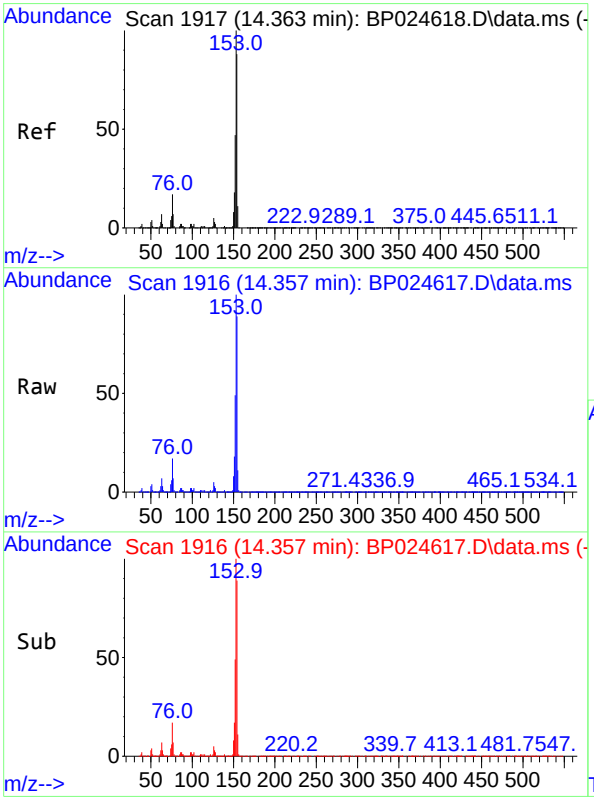
Ion	Ratio	Lower	Upper
165	100		
63	55.6	42.4	63.6
89	58.1	44.8	67.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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

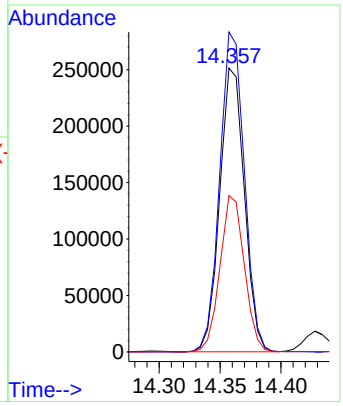


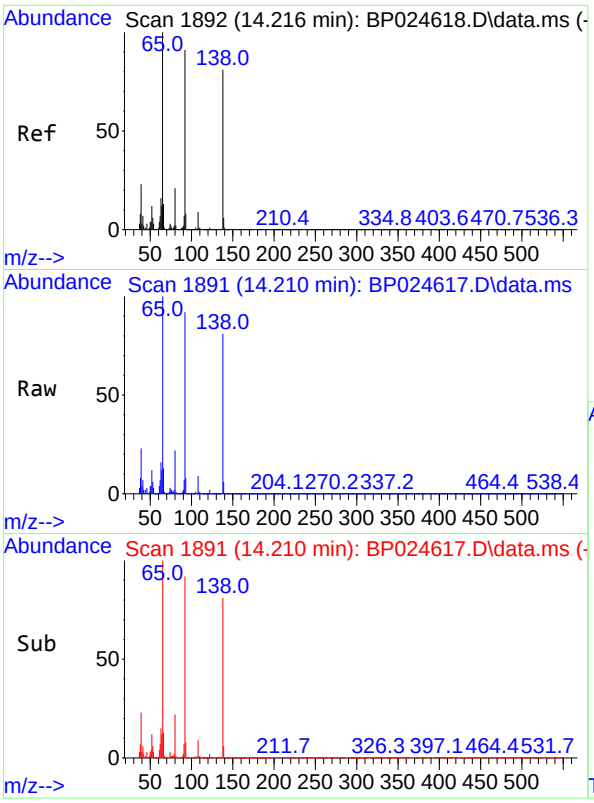


#52
Acenaphthene
Concen: 20.19 ng
RT: 14.357 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:154 Resp: 354519

Ion	Ratio	Lower	Upper
154	100		
153	112.7	91.0	136.4
152	55.1	42.9	64.3

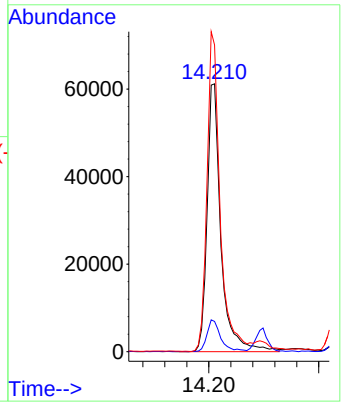




#53
3-Nitroaniline
Concen: 20.01 ng
RT: 14.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:138 Resp: 10652

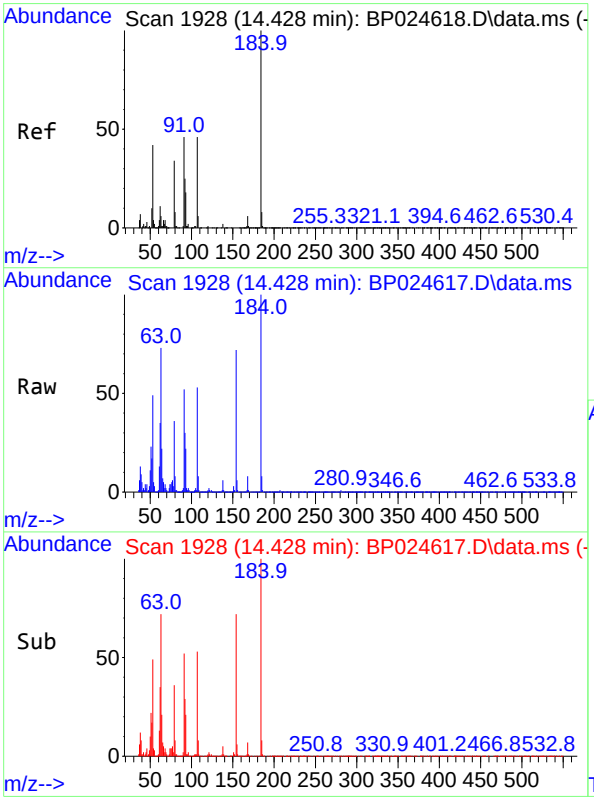
Ion	Ratio	Lower	Upper
138	100		
108	11.3	9.0	13.4
92	114.5	90.1	135.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

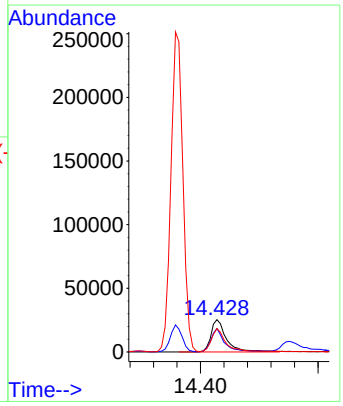
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

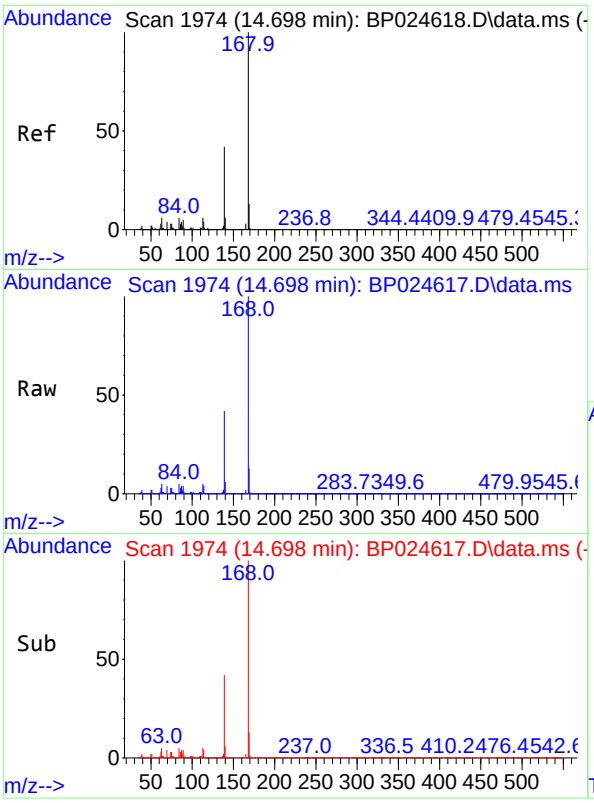


#54
2,4-Dinitrophenol
Concen: 19.37 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:184 Resp: 46351

Ion	Ratio	Lower	Upper
184	100		
63	72.5	51.3	76.9
154	72.4	53.5	80.3

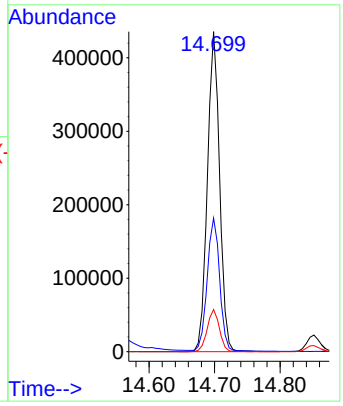




#55
Dibenzofuran
Concen: 20.12 ng
RT: 14.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:168 Resp: 56371

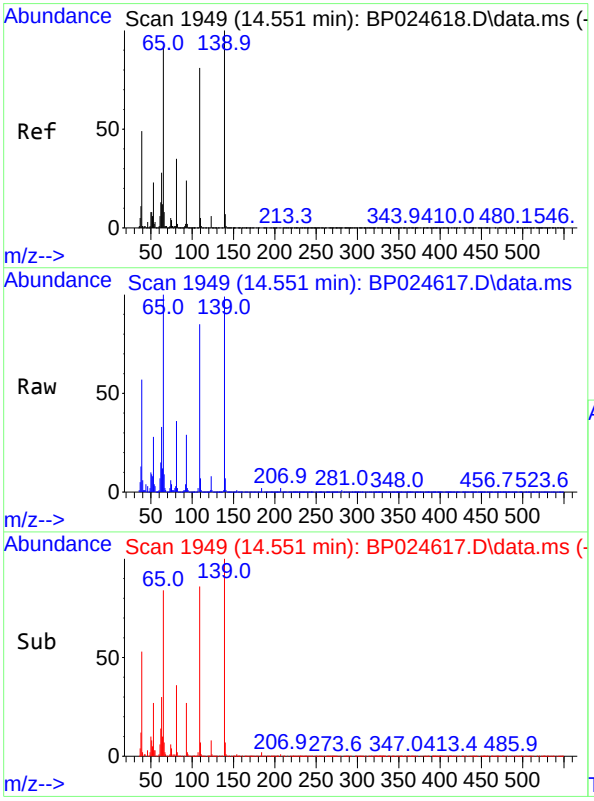
Ion	Ratio	Lower	Upper
168	100		
139	41.8	34.2	51.4
169	13.1	10.8	16.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

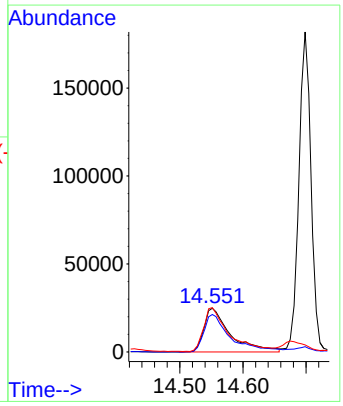
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

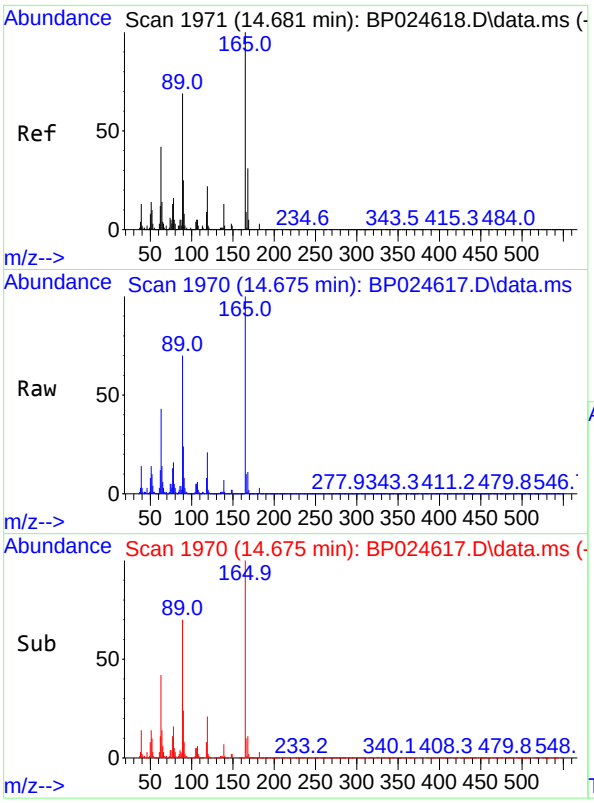


#56
4-Nitrophenol
Concen: 19.02 ng
RT: 14.551 min Scan# 1949
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:139 Resp: 71975

Ion	Ratio	Lower	Upper
139	100		
109	85.7	61.4	101.4
65	101.4	72.2	112.2

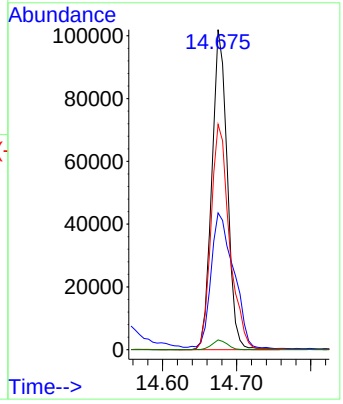




#57
2,4-Dinitrotoluene
Concen: 20.09 ng
RT: 14.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:165 Resp: 14767

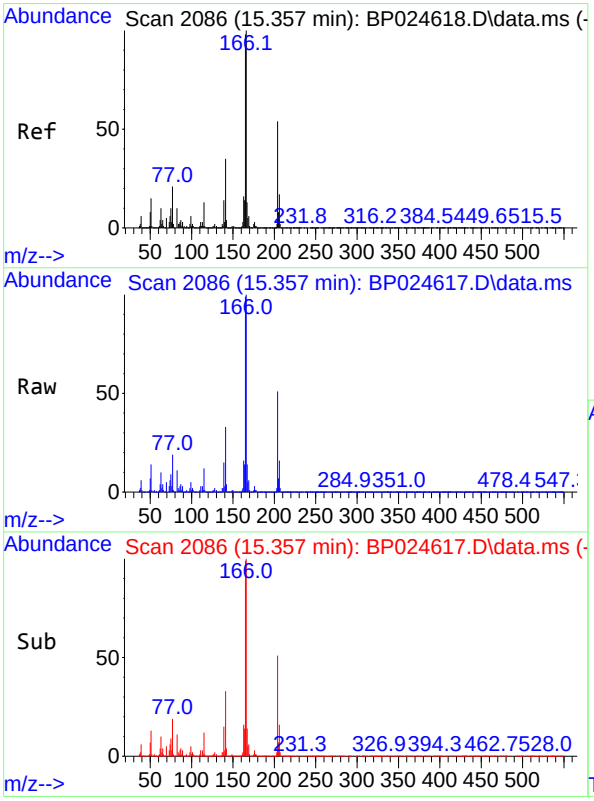
Ion	Ratio	Lower	Upper
165	100		
63	42.7	33.8	50.6
89	70.4	55.6	83.4
182	3.1	2.4	3.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

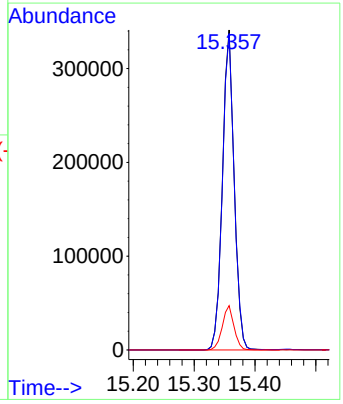
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

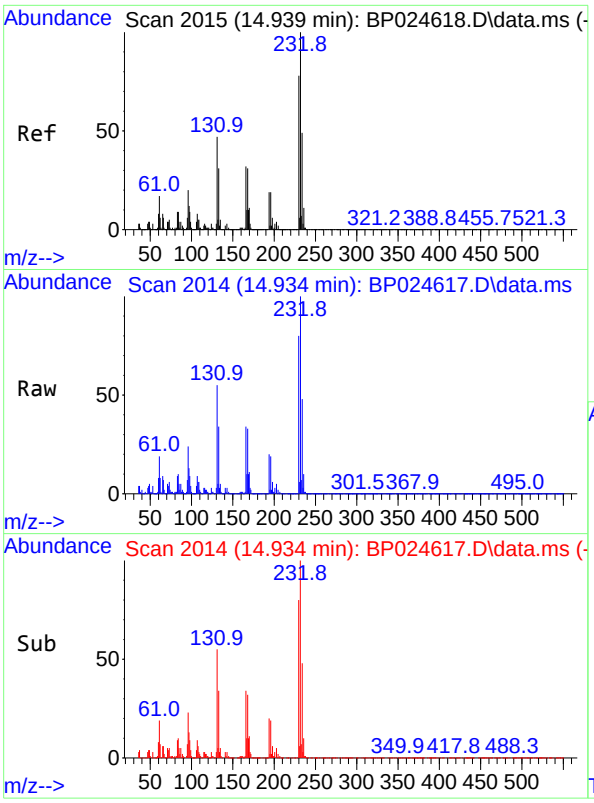


#58
Fluorene
Concen: 20.00 ng
RT: 15.357 min Scan# 2086
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:166 Resp: 456792

Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.5	117.7
167	13.8	10.7	16.1

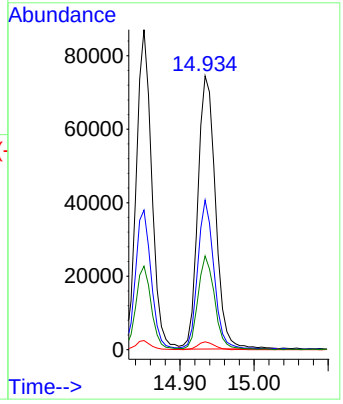




#59
2,3,4,6-Tetrachlorophenol
Concen: 19.59 ng
RT: 14.934 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:232 Resp: 12326

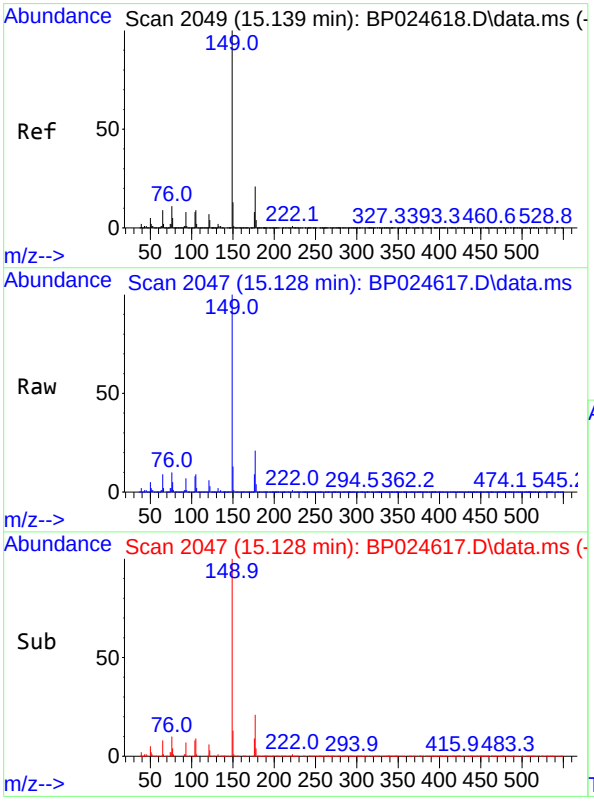
Ion	Ratio	Lower	Upper
232	100		
131	50.2	39.5	59.3
130	2.7	2.2	3.4
166	32.0	25.7	38.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

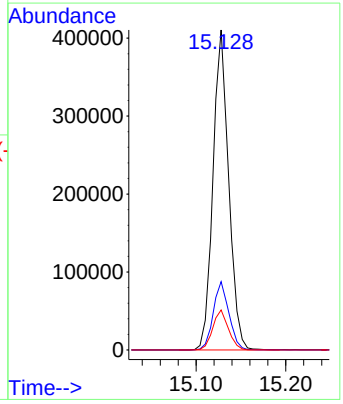
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

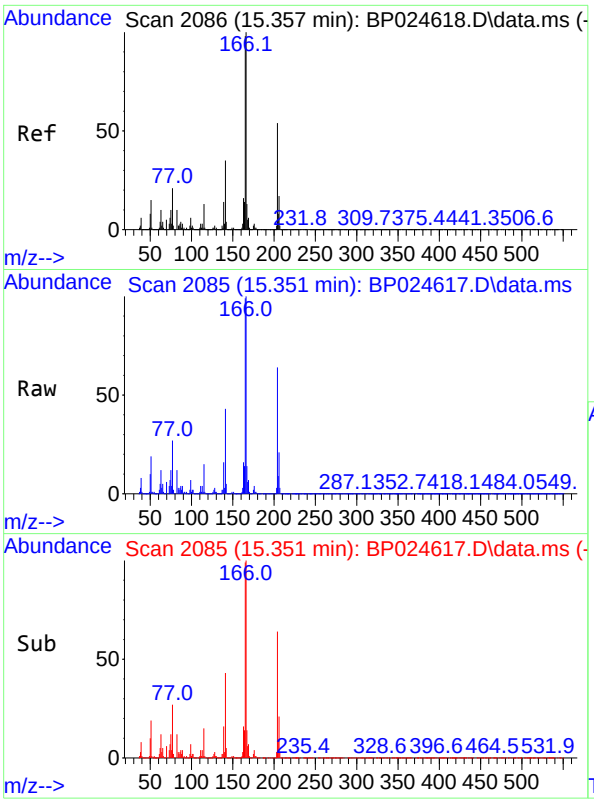


#60
Diethylphthalate
Concen: 19.95 ng
RT: 15.128 min Scan# 2047
Delta R.T. -0.012 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:149 Resp: 497916

Ion	Ratio	Lower	Upper
149	100		
177	21.4	16.7	25.1
150	12.5	10.2	15.2

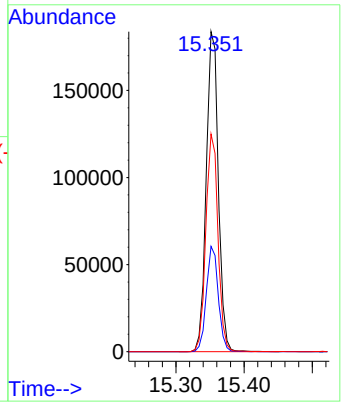




#61
4-Chlorophenyl-phenylether
Concen: 19.91 ng
RT: 15.351 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:204 Resp: 22679

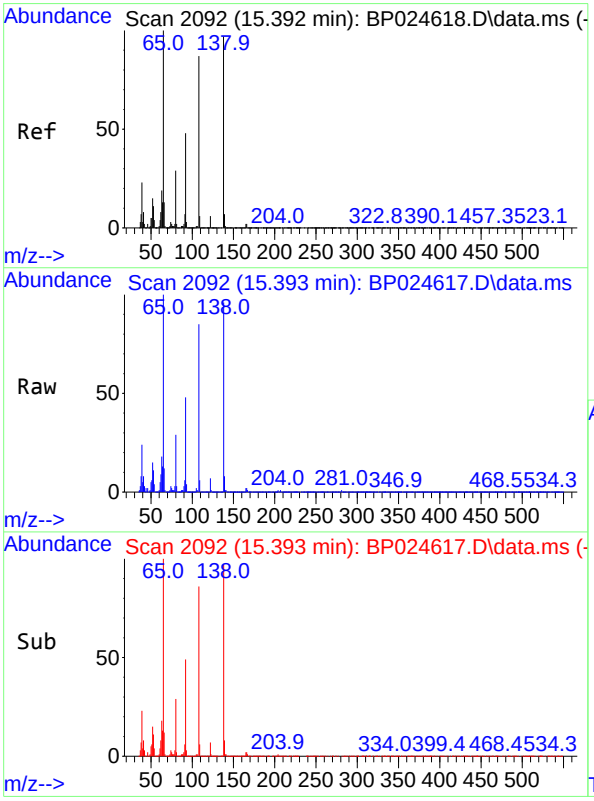
Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.0	39.0
141	68.0	52.9	79.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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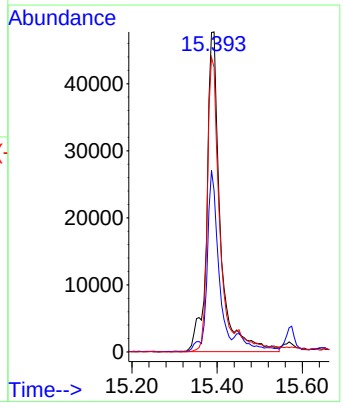
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

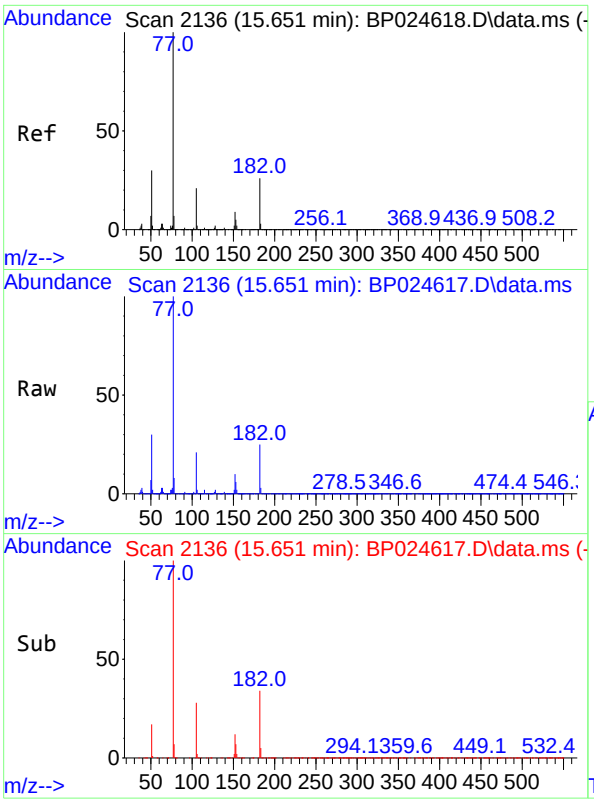


#62
4-Nitroaniline
Concen: 20.37 ng
RT: 15.393 min Scan# 2092
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:138 Resp: 105617

Ion	Ratio	Lower	Upper
138	100		
92	50.4	29.2	69.2
108	89.0	69.0	109.0

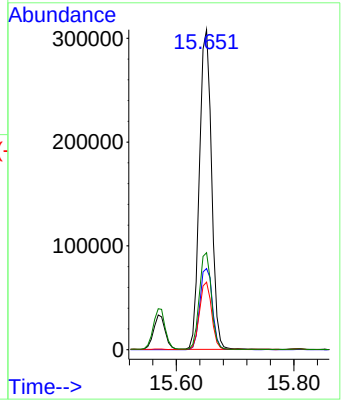




#63
Azobenzene
Concen: 20.57 ng
RT: 15.651 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 77 Resp: 43918

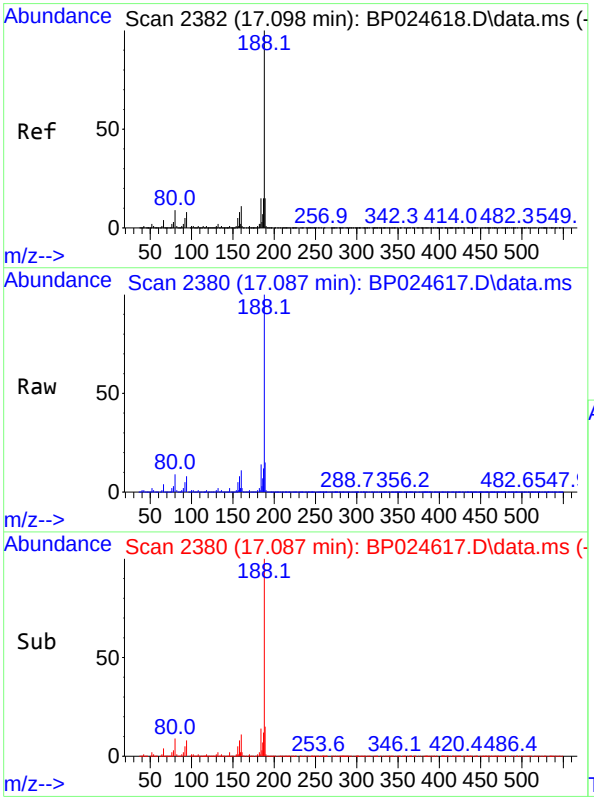
Ion	Ratio	Lower	Upper
77	100		
182	25.4	5.7	45.7
105	21.1	1.3	41.3
51	30.3	10.6	50.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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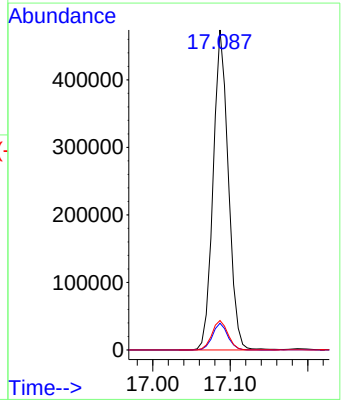
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

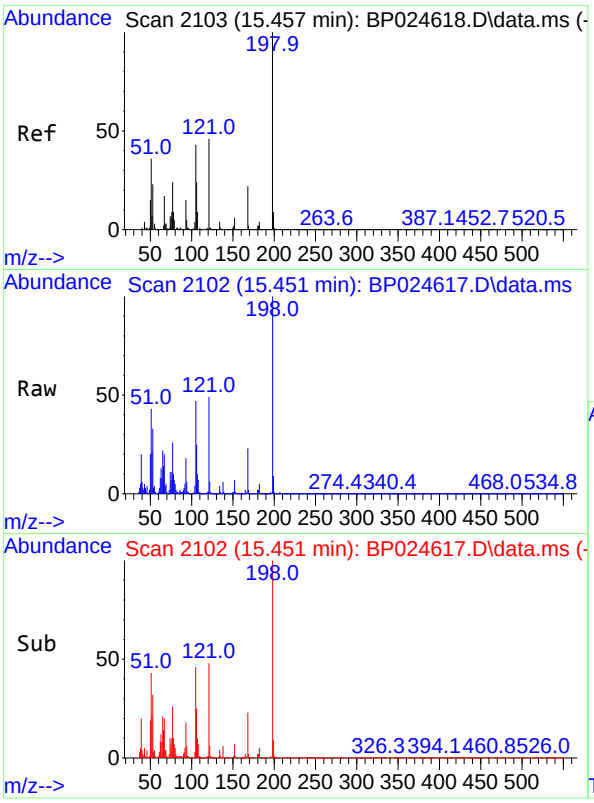


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.087 min Scan# 2380
Delta R.T. -0.012 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:188 Resp: 644367

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.5	9.7
80	9.2	7.3	10.9





#65
4,6-Dinitro-2-methylphenol
Concen: 18.53 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

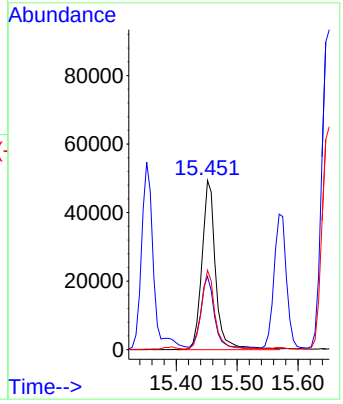
Tgt Ion:198 Resp: 7713

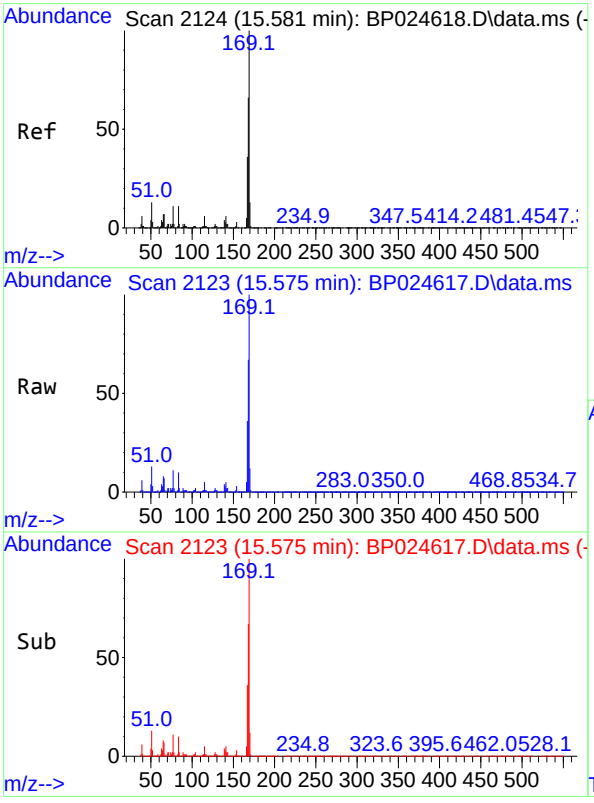
Ion	Ratio	Lower	Upper
198	100		
51	43.2	21.1	61.1
105	46.8	23.6	63.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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

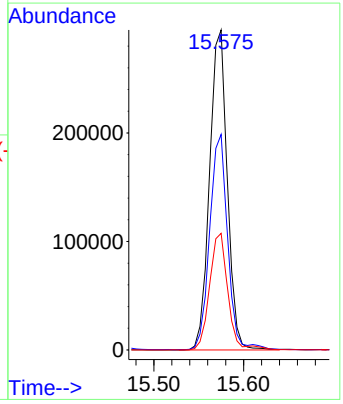


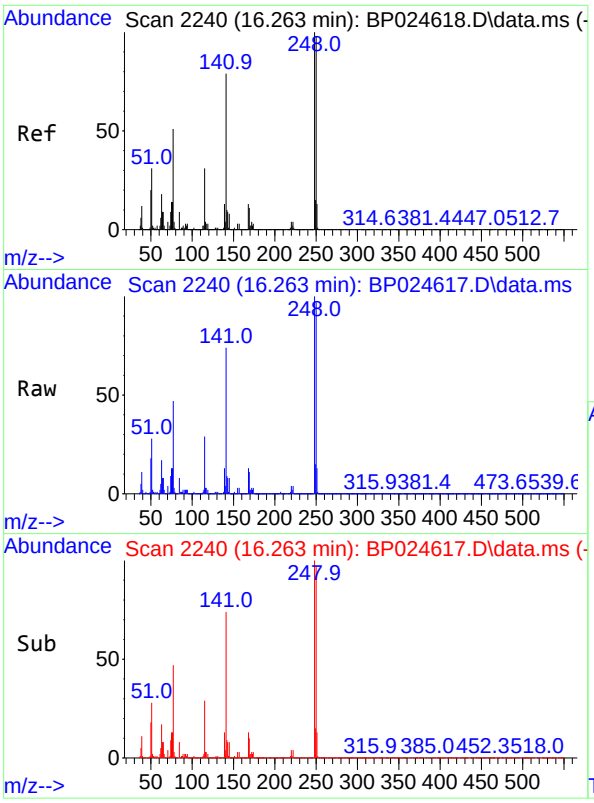


#66
n-Nitrosodiphenylamine
Concen: 20.42 ng
RT: 15.575 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:169 Resp: 404085

Ion	Ratio	Lower	Upper
169	100		
168	67.4	53.2	79.8
167	36.5	28.6	43.0





#67
4-Bromophenyl-phenylether
Concen: 20.07 ng
RT: 16.263 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

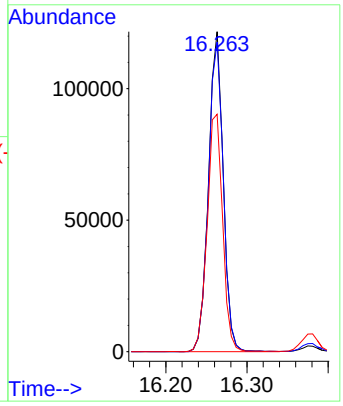
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

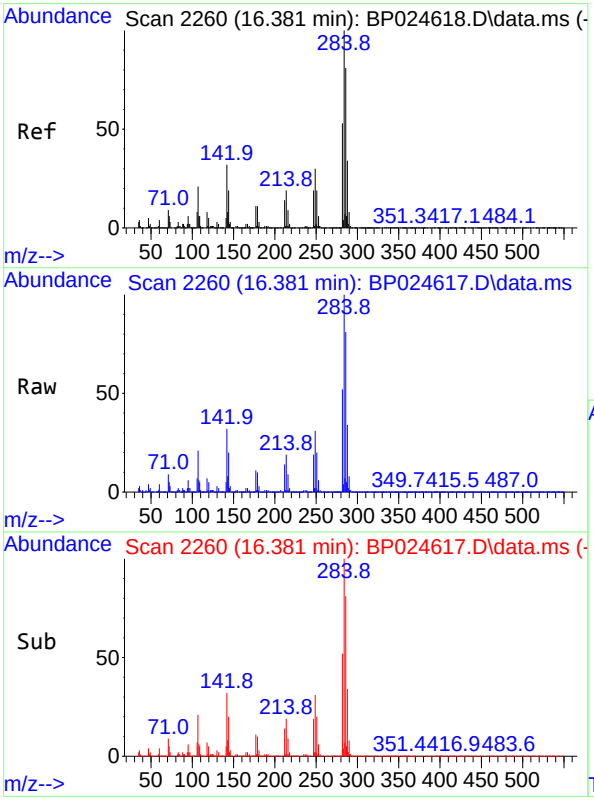
Tgt Ion:248 Resp: 15239

Ion	Ratio	Lower	Upper
248	100		
250	96.8	78.2	117.4
141	74.2	63.0	94.6

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

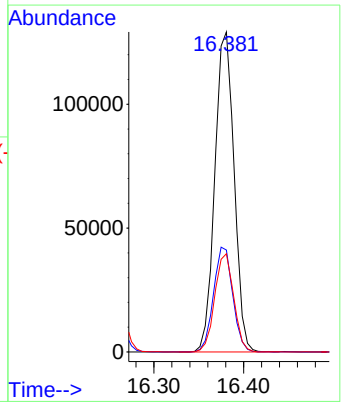


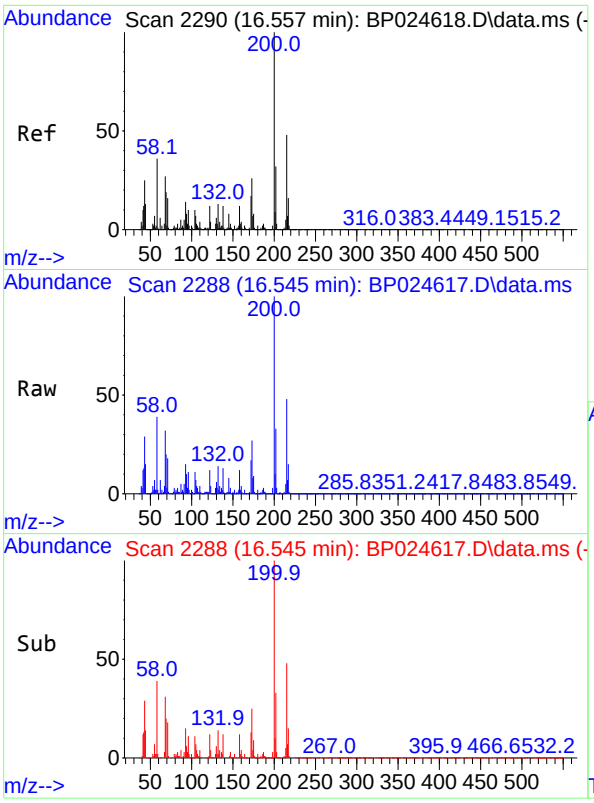


#68
Hexachlorobenzene
Concen: 19.93 ng
RT: 16.381 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:284 Resp: 192290

Ion	Ratio	Lower	Upper
284	100		
142	31.9	25.9	38.9
249	30.7	24.1	36.1

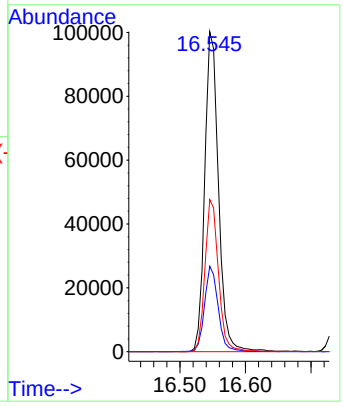




#69
Atrazine
Concen: 20.19 ng
RT: 16.545 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:200 Resp: 14646

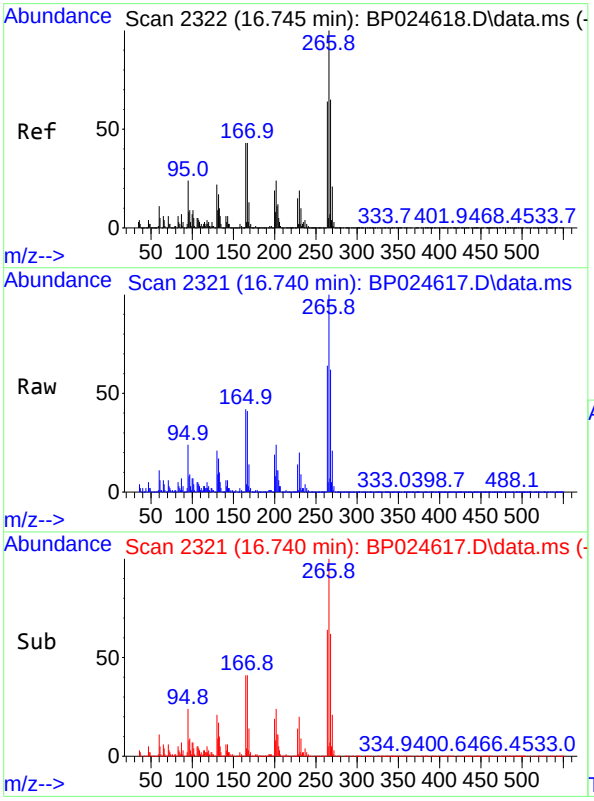
Ion	Ratio	Lower	Upper
200	100		
173	26.7	5.9	45.9
215	47.5	28.3	68.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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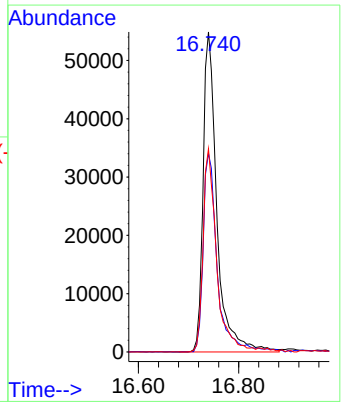
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

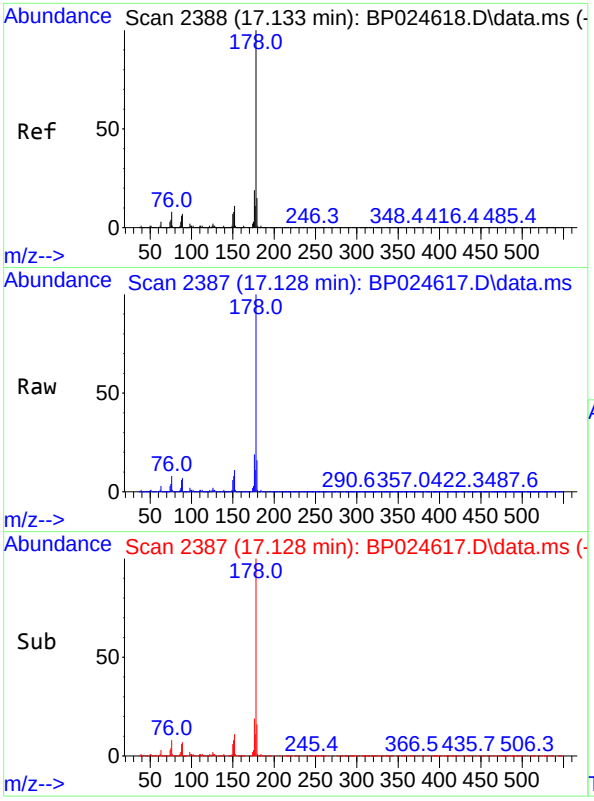


#70
Pentachlorophenol
Concen: 19.36 ng
RT: 16.740 min Scan# 2321
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:266 Resp: 104916

Ion	Ratio	Lower	Upper
266	100		
268	62.1	52.2	78.4
264	63.5	51.1	76.7

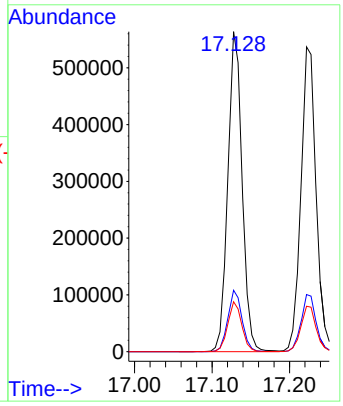




#71
Phenanthrene
Concen: 20.24 ng
RT: 17.128 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:178 Resp: 72492

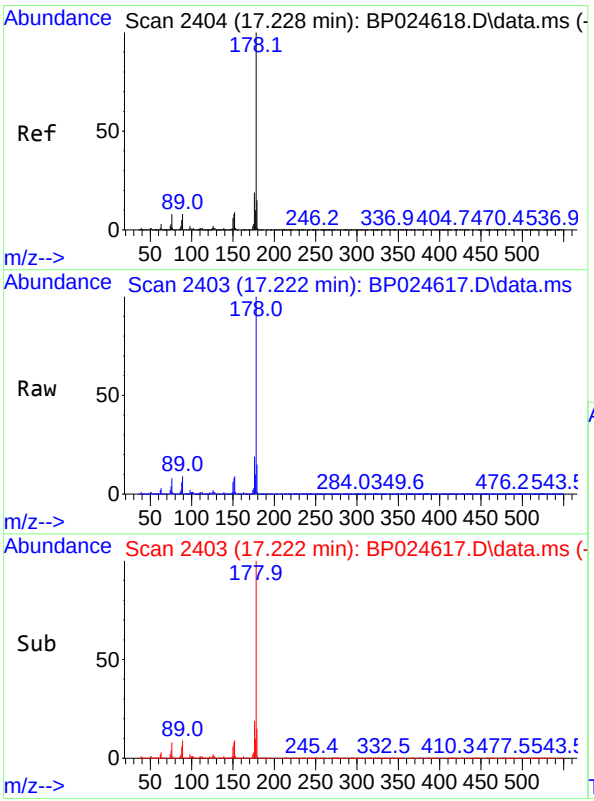
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.6	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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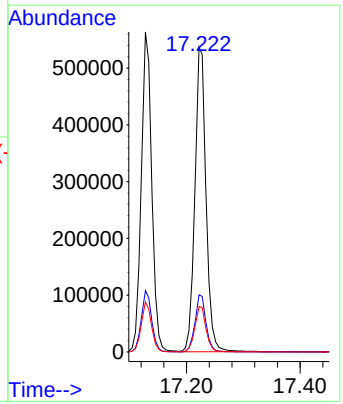
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

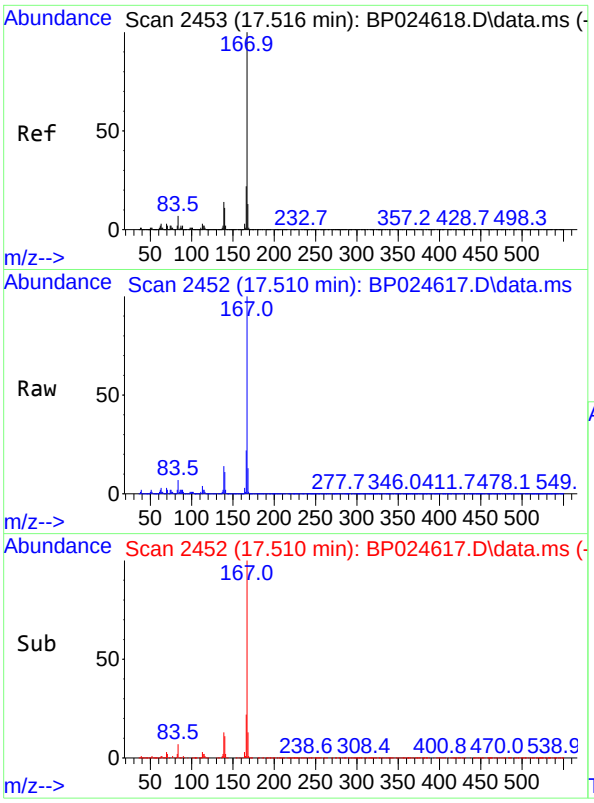


#72
Anthracene
Concen: 20.42 ng
RT: 17.222 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:178 Resp: 735787

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	14.9	12.2	18.2

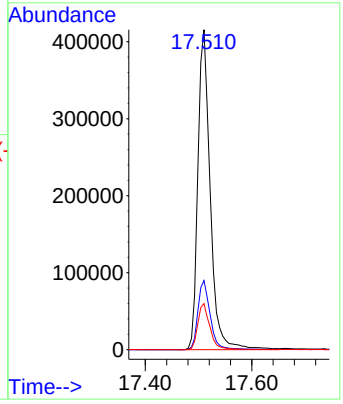




#73
Carbazole
Concen: 20.53 ng
RT: 17.510 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:167 Resp: 66973

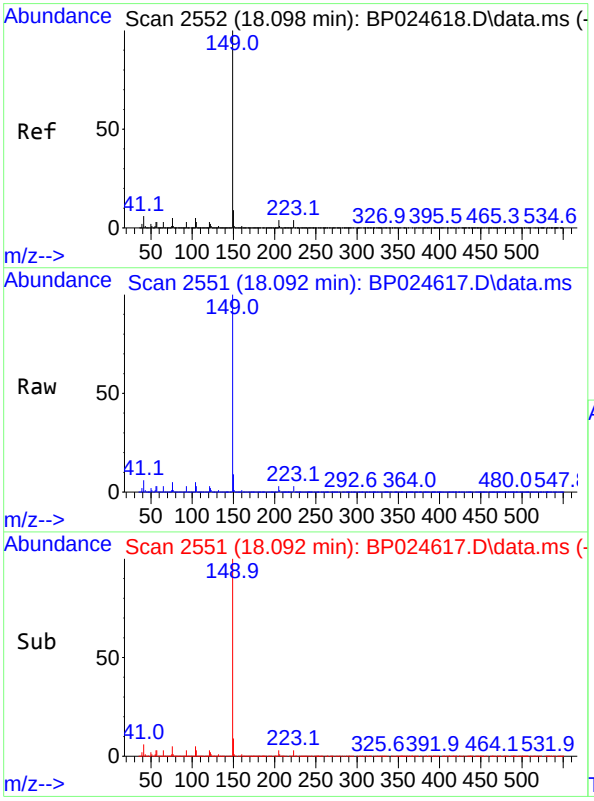
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.7	26.5
139	14.4	11.3	16.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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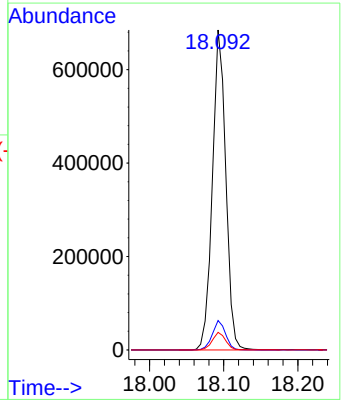
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

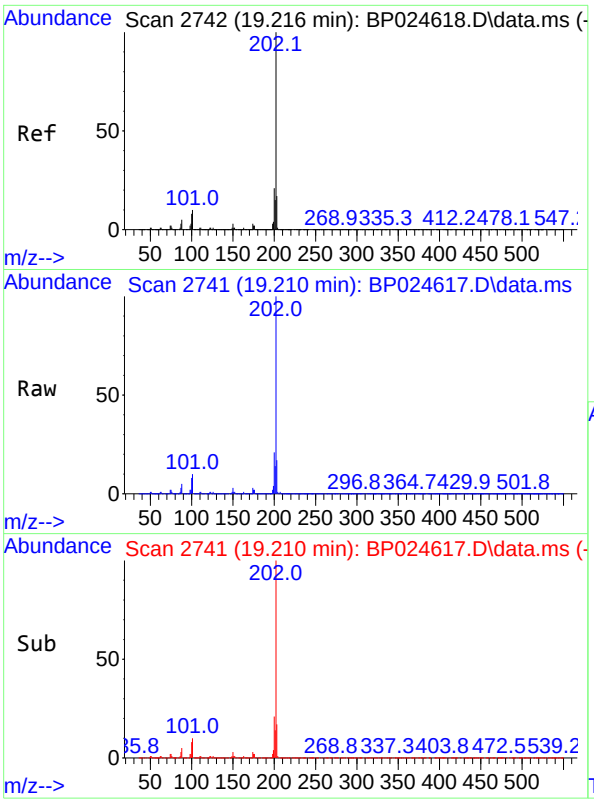


#74
Di-n-butylphthalate
Concen: 20.46 ng
RT: 18.092 min Scan# 2551
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:149 Resp: 858522

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.2	10.8
104	5.5	4.3	6.5





#75
Fluoranthene
Concen: 20.22 ng
RT: 19.210 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

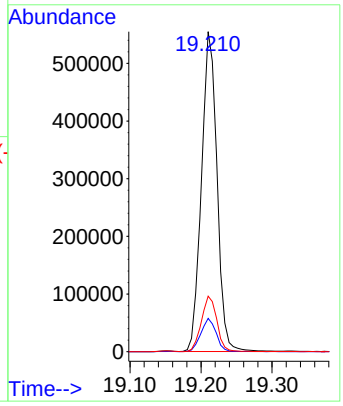
Tgt Ion:202 Resp: 84668

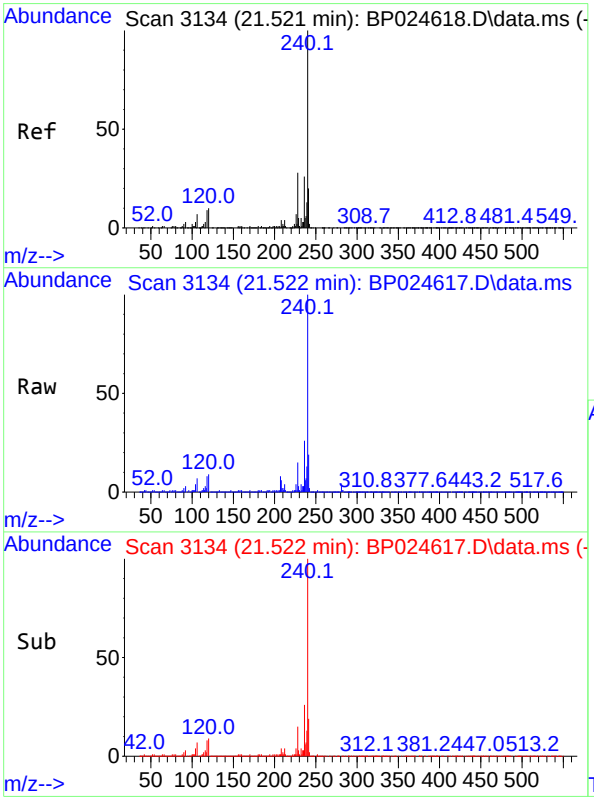
Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	30.3
203	17.3	0.0	37.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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

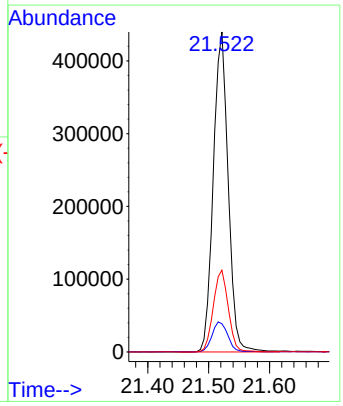


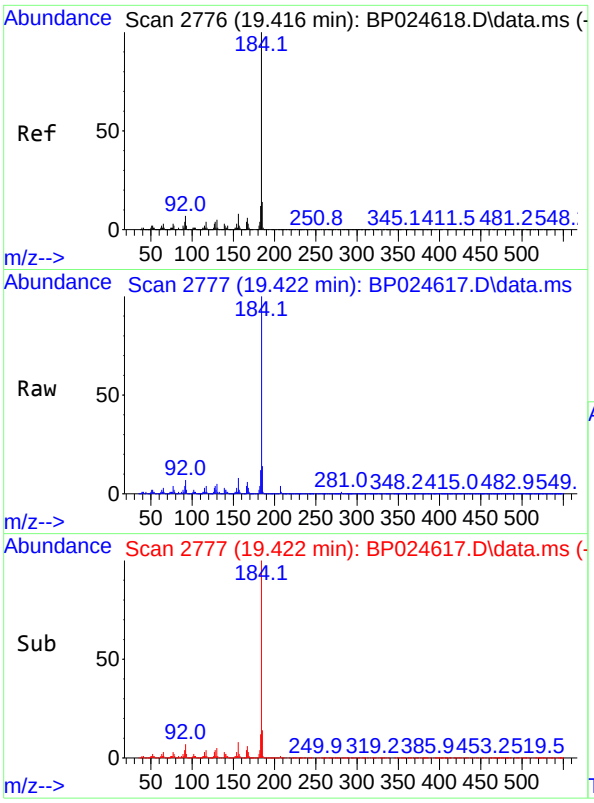


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.522 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:240 Resp: 745224

Ion	Ratio	Lower	Upper
240	100		
120	8.8	7.8	11.6
236	25.5	20.6	31.0

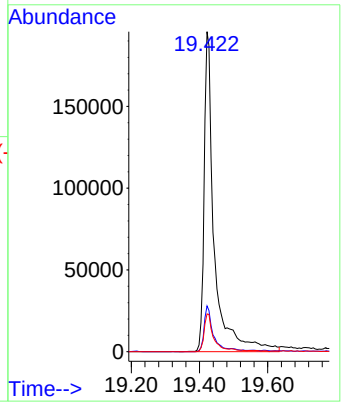




#77
Benzidine
Concen: 19.79 ng
RT: 19.422 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:184 Resp: 40489

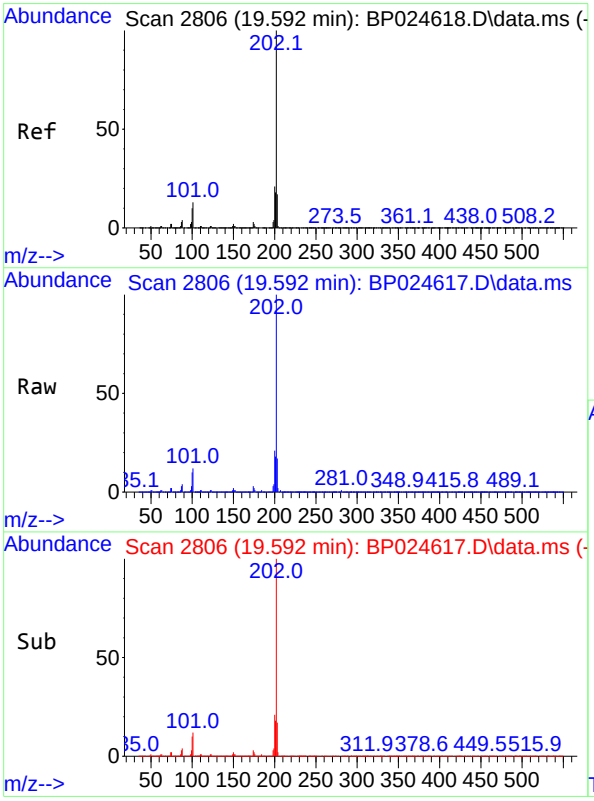
Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.2	16.8
183	11.8	9.8	14.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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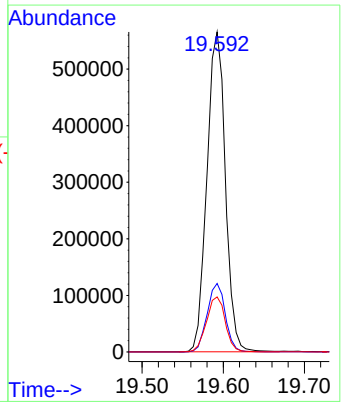
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

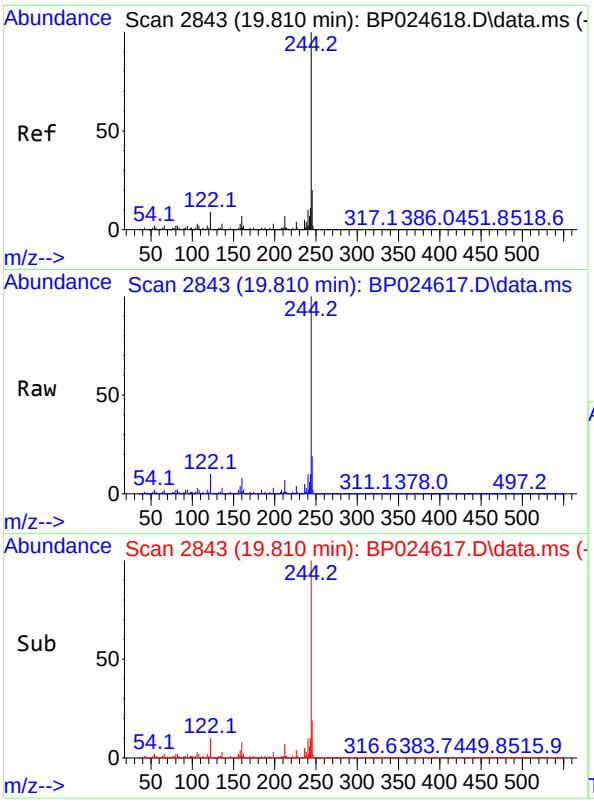


#78
Pyrene
Concen: 19.98 ng
RT: 19.592 min Scan# 2806
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:202 Resp: 892037

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.9	25.3
203	17.2	13.9	20.9

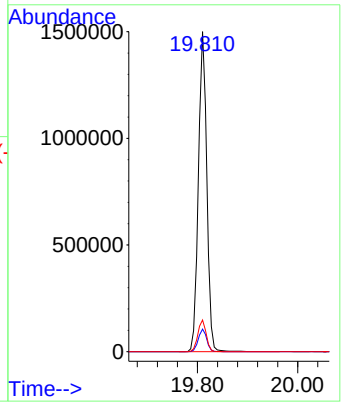




#79
Terphenyl-d14
Concen: 39.96 ng
RT: 19.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:244 Resp: 173687

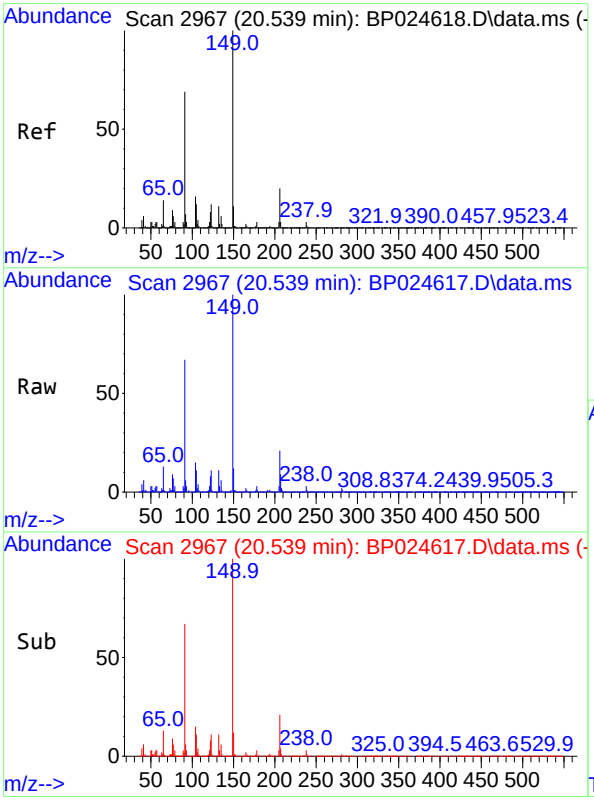
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.5	8.3
122	9.9	7.4	11.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

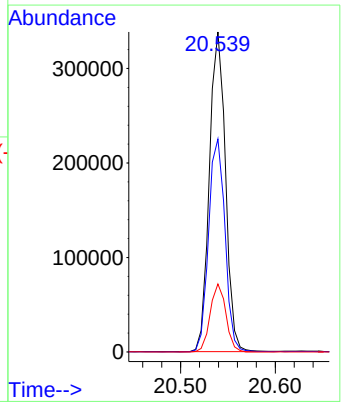
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

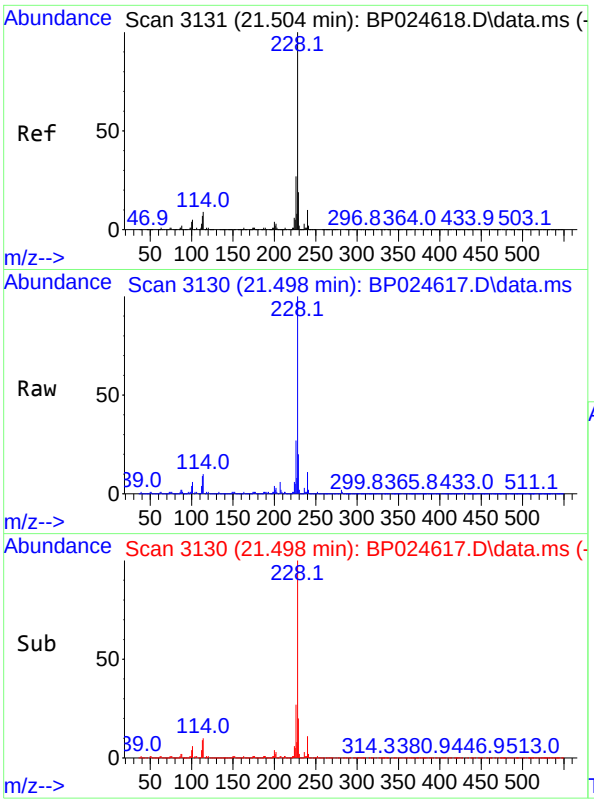


#80
Butylbenzylphthalate
Concen: 20.14 ng
RT: 20.539 min Scan# 2967
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:149 Resp: 400050

Ion	Ratio	Lower	Upper
149	100		
91	66.6	55.4	83.0
206	21.3	16.2	24.2

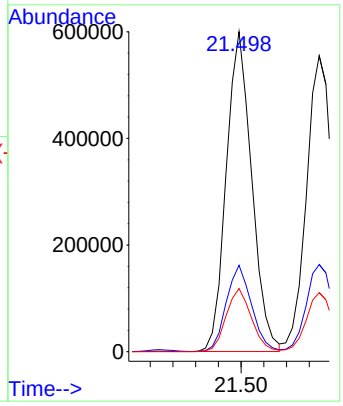




#81
Benzo(a)anthracene
Concen: 19.95 ng
RT: 21.498 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:228 Resp: 93361

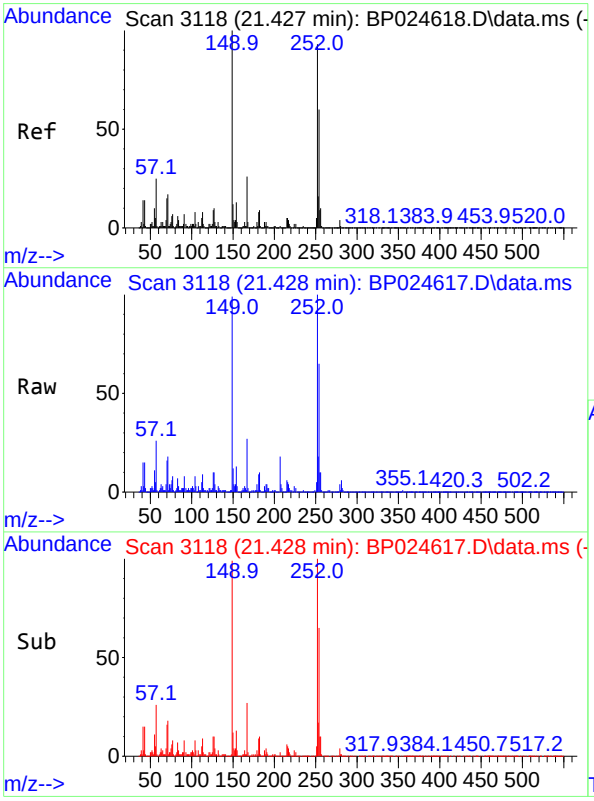
Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.4	32.0
229	19.7	15.5	23.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

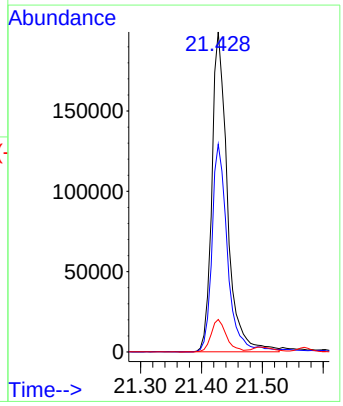
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

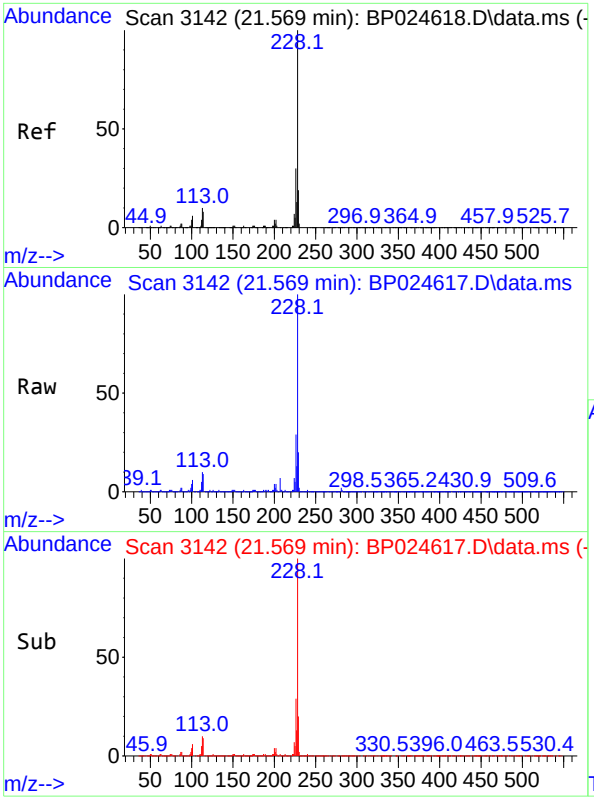


#82
3,3'-Dichlorobenzidine
Concen: 20.31 ng
RT: 21.428 min Scan# 3118
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:252 Resp: 353000

Ion	Ratio	Lower	Upper
252	100		
254	64.9	51.8	77.6
126	10.1	7.7	11.5

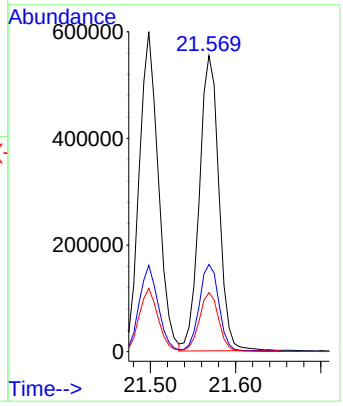




#83
Chrysene
Concen: 19.91 ng
RT: 21.569 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:228 Resp: 88300

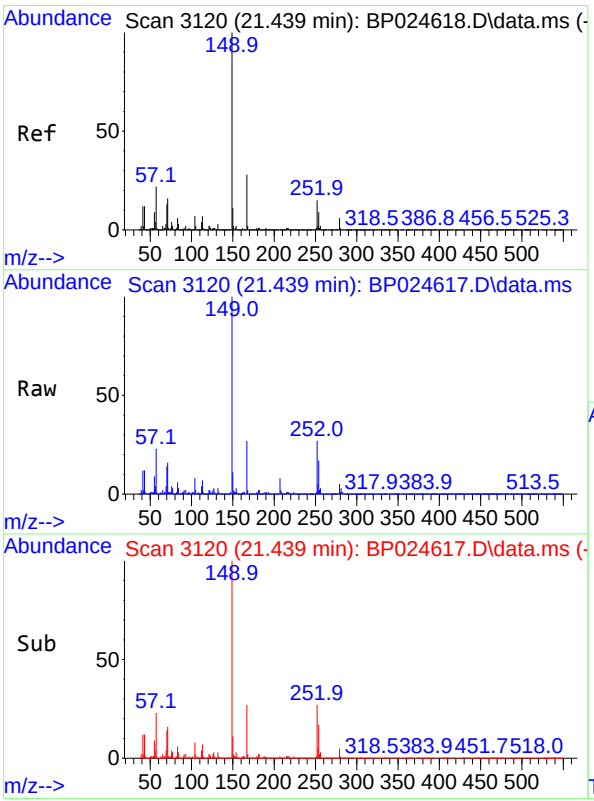
Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.9	35.9
229	20.0	15.5	23.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

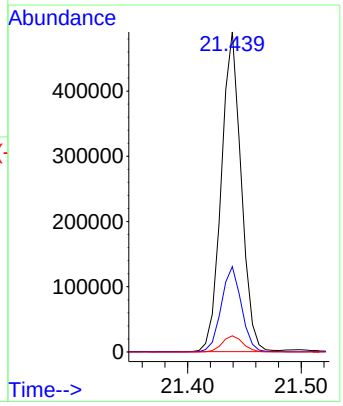
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

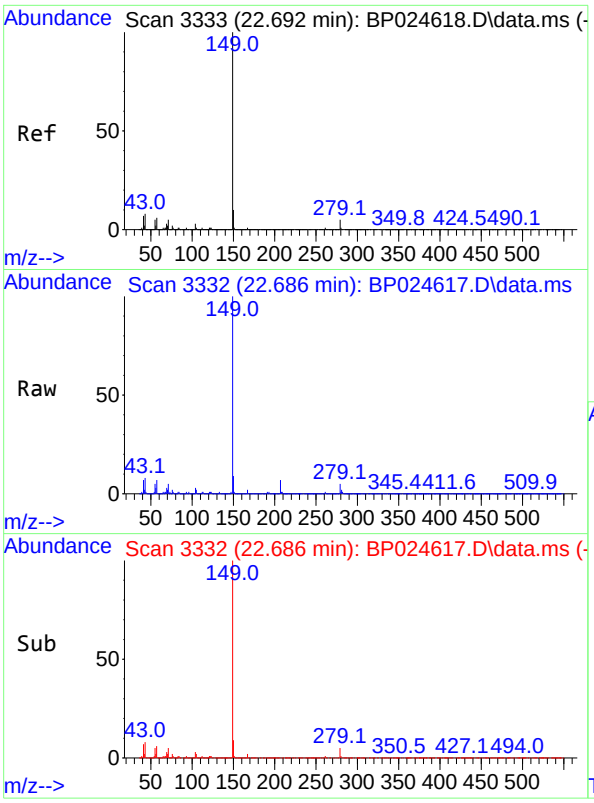


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.45 ng
RT: 21.439 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:149 Resp: 597012

Ion	Ratio	Lower	Upper
149	100		
167	26.6	22.1	33.1
279	5.0	4.6	6.8

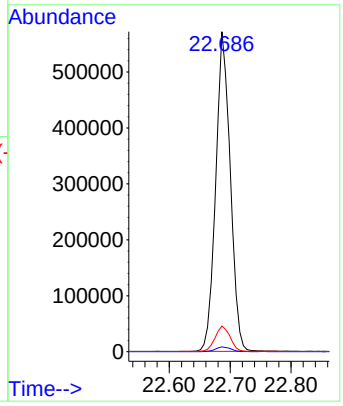




#85
Di-n-octyl phthalate
Concen: 19.85 ng
RT: 22.686 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:149 Resp: 94757

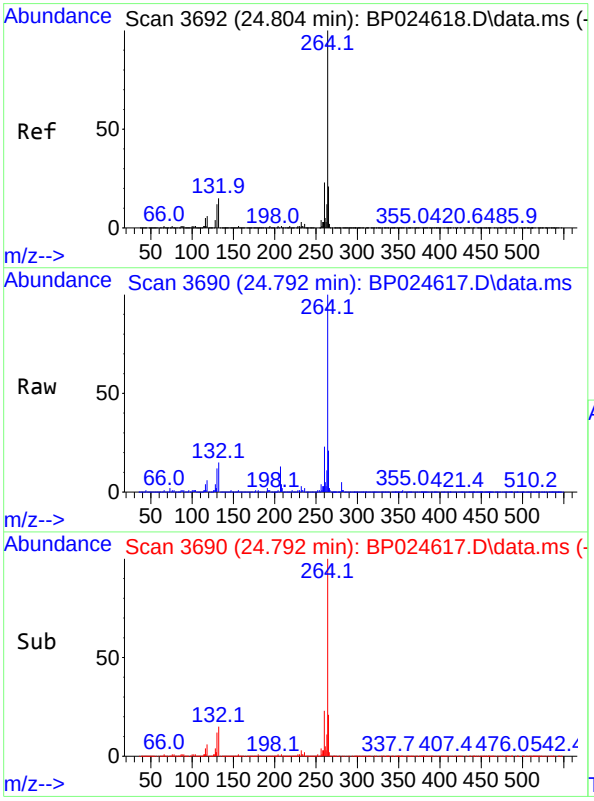
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	8.3	6.3	9.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

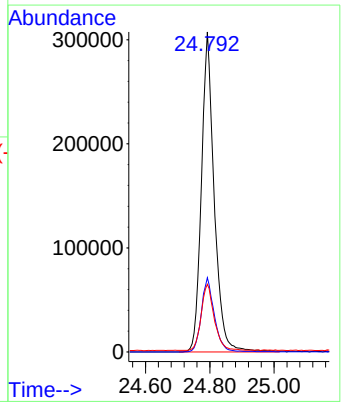
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

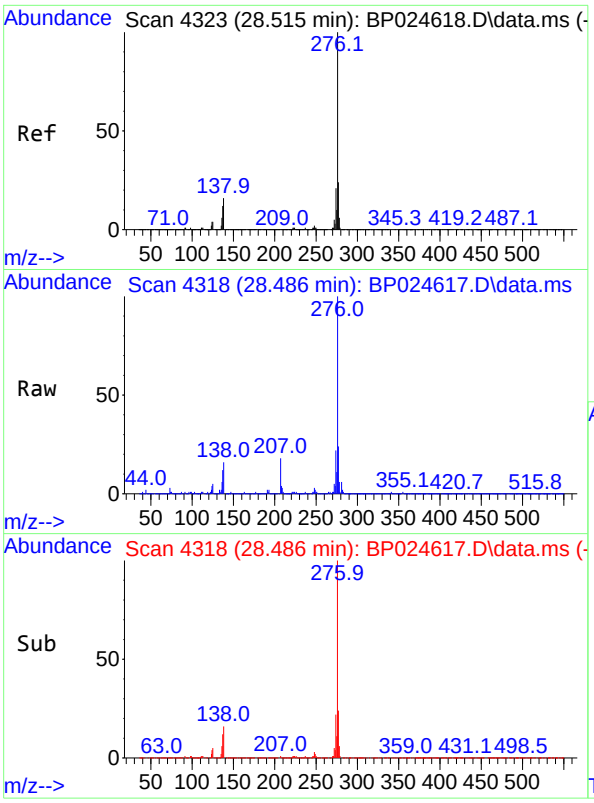


#86
Perylene-d12
Concen: 20.00 ng
RT: 24.792 min Scan# 3690
Delta R.T. -0.012 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:264 Resp: 850264

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	21.2	17.0	25.6

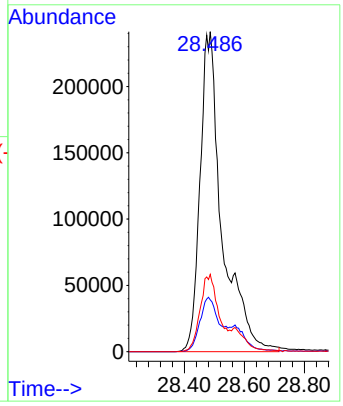




#87
Indeno(1,2,3-cd)pyrene
Concen: 19.81 ng m
RT: 28.486 min Scan# 4
Delta R.T. -0.029 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:276 Resp: 123012

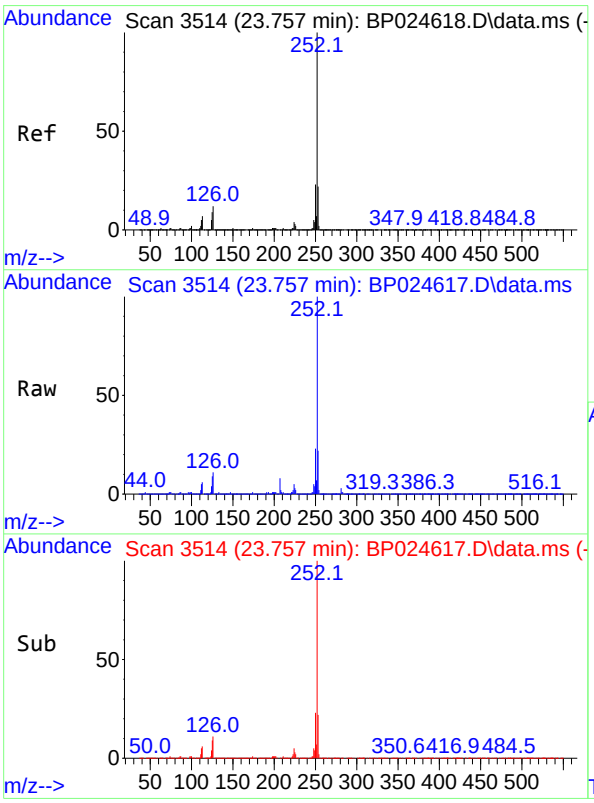
Ion	Ratio	Lower	Upper
276	100		
138	15.2	11.2	16.8
277	20.9	15.7	23.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

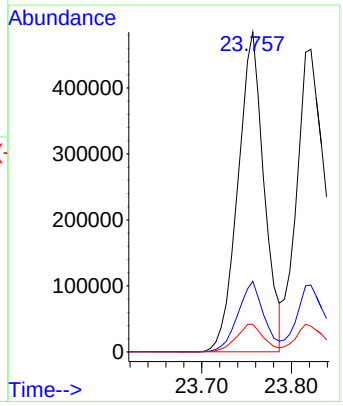
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

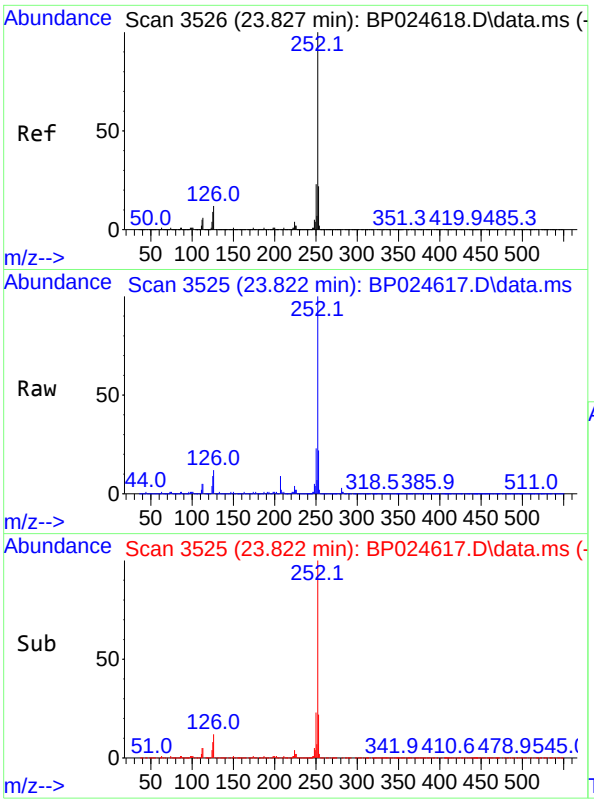


#88
Benzo(b)fluoranthene
Concen: 20.13 ng
RT: 23.757 min Scan# 3514
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:252 Resp: 979873

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	8.7	7.5	11.3

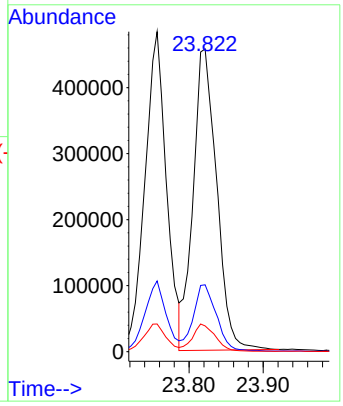




#89
Benzo(k)fluoranthene
Concen: 20.05 ng
RT: 23.822 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:252 Resp: 100534

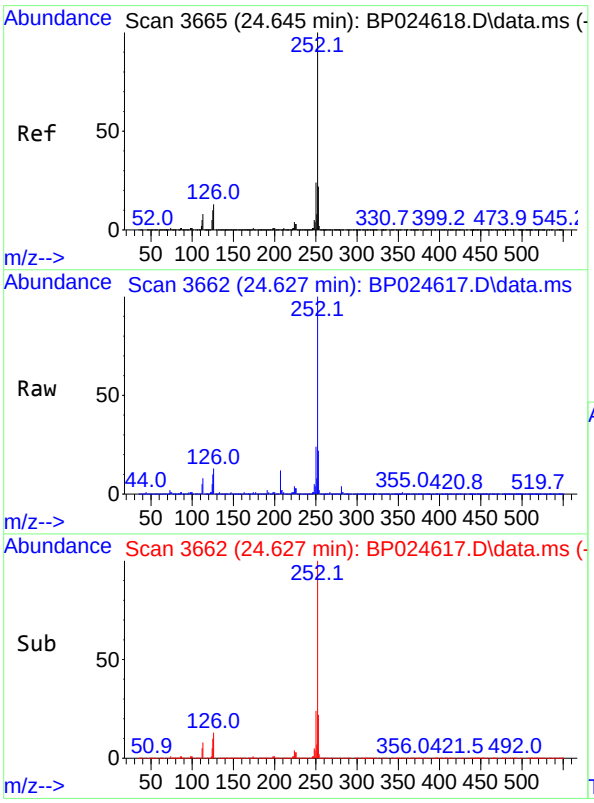
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	8.5	7.0	10.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

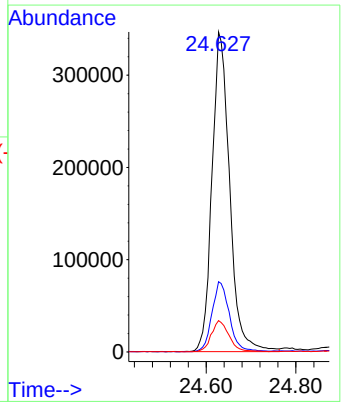
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

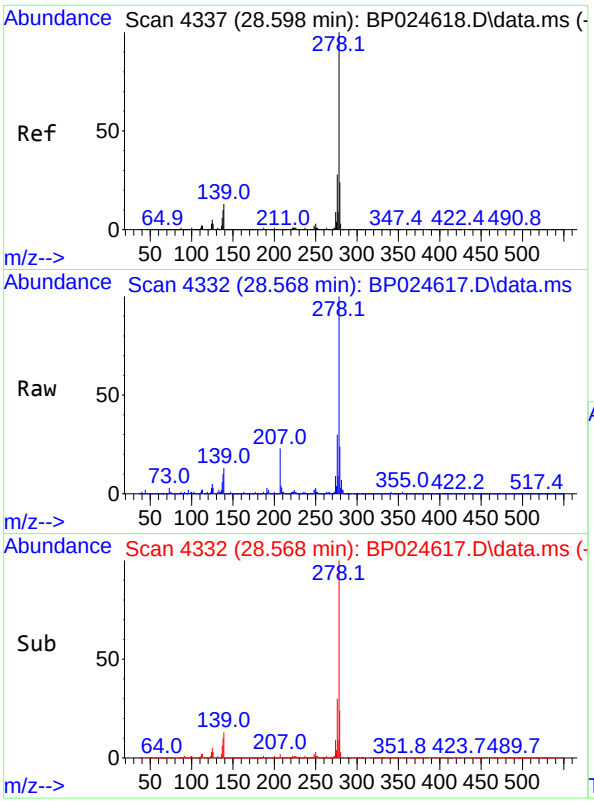


#90
Benzo(a)pyrene
Concen: 20.23 ng
RT: 24.627 min Scan# 3662
Delta R.T. -0.017 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:252 Resp: 945764

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	9.8	8.1	12.1

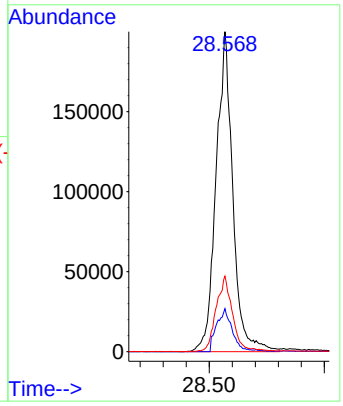




#91
Dibenzo(a,h)anthracene
Concen: 19.97 ng
RT: 28.568 min Scan# 4
Delta R.T. -0.029 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:278 Resp: 100828

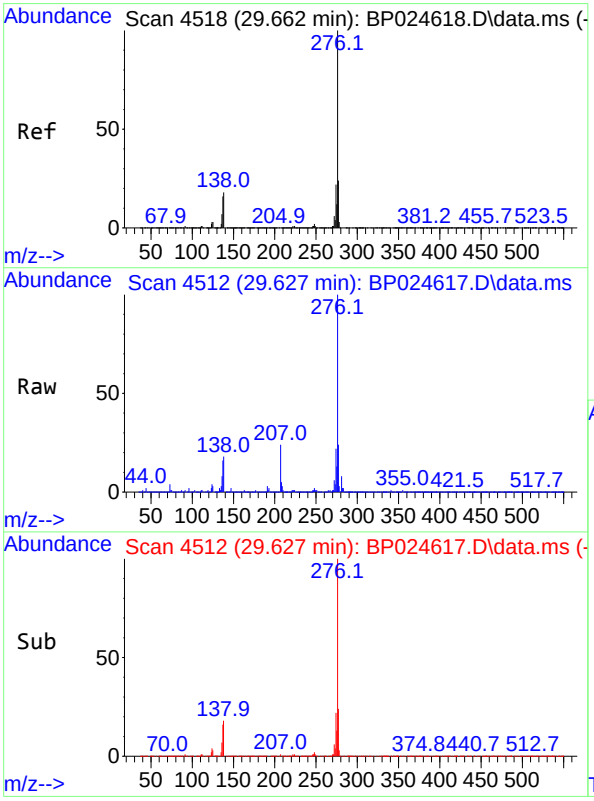
Ion	Ratio	Lower	Upper
278	100		
139	13.5	10.2	15.4
279	23.6	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

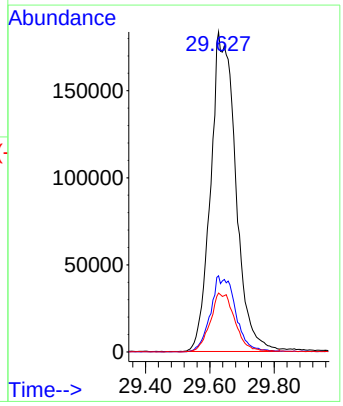
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025



#92
Benzo(g,h,i)perylene
Concen: 19.75 ng
RT: 29.627 min Scan# 4512
Delta R.T. -0.035 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:276 Resp: 991852

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.4
138	18.4	14.4	21.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024618.D
Acq On : 13 May 2025 13:24
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

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

Quant Time: May 13 16:06:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.663	152	120950	20.00	ng	0.00
21) Naphthalene-d8	10.434	136	540452	20.00	ng	0.00
39) Acenaphthene-d10	14.304	164	362458	20.00	ng	0.00
64) Phenanthrene-d10	17.098	188	717362	20.00	ng	0.00
76) Chrysene-d12	21.521	240	810498	20.00	ng	0.00
86) Perylene-d12	24.804	264	929890	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	534477	75.58	ng	0.00
7) Phenol-d6	6.852	99	712342	78.93	ng	0.00
23) Nitrobenzene-d5	8.810	82	826567	77.28	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	467808	76.13	ng	0.00
45) 2-Fluorobiphenyl	12.904	172	2076354	75.05	ng	0.00
79) Terphenyl-d14	19.810	244	3647961	77.18	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.228	88	122181	36.79	ng	100
3) Pyridine	3.622	79	289809	39.36	ng	100
4) n-Nitrosodimethylamine	3.534	42	125087	38.48	ng	100
6) Aniline	7.005	93	463675	39.79	ng	100
8) 2-Chlorophenol	7.240	128	315079	39.25	ng	100
9) Benzaldehyde	6.822	77	231076m	39.62	ng	
10) Phenol	6.881	94	364948	39.18	ng	100
11) bis(2-Chloroethyl)ether	7.099	93	293331	38.32	ng	100
12) 1,3-Dichlorobenzene	7.552	146	348242	37.71	ng	100
13) 1,4-Dichlorobenzene	7.699	146	355533	38.27	ng	100
14) 1,2-Dichlorobenzene	8.010	146	344980	38.11	ng	100
15) Benzyl Alcohol	7.905	79	277892	40.52	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.187	45	354872	38.71	ng	100
17) 2-Methylphenol	8.110	107	265962	39.81	ng	100
18) Hexachloroethane	8.728	117	133224	37.43	ng	100
19) n-Nitroso-di-n-propyla...	8.457	70	253553	40.61	ng	100
20) 3+4-Methylphenols	8.434	107	366564	40.33	ng	100
22) Acetophenone	8.475	105	521603	38.64	ng	100
24) Nitrobenzene	8.852	77	363767	38.65	ng	100
25) Isophorone	9.375	82	727081	39.19	ng	100
26) 2-Nitrophenol	9.563	139	185587	40.24	ng	100
27) 2,4-Dimethylphenol	9.628	122	322227	39.62	ng	100
28) bis(2-Chloroethoxy)met...	9.851	93	430958	38.88	ng	100
29) 2,4-Dichlorophenol	10.093	162	314830	39.95	ng	100
30) 1,2,4-Trichlorobenzene	10.299	180	330659	37.23	ng	100
31) Naphthalene	10.481	128	1059316	37.82	ng	100
32) Benzoic acid	9.775	122	206829m	38.01	ng	
33) 4-Chloroaniline	10.599	127	452150	40.01	ng	100
34) Hexachlorobutadiene	10.763	225	213978	37.19	ng	100
35) Caprolactam	11.387	113	118047	41.43	ng	100
36) 4-Chloro-3-methylphenol	11.734	107	385077	40.07	ng	100
37) 2-Methylnaphthalene	12.093	142	692133	38.17	ng	100
38) 1-Methylnaphthalene	12.316	142	745849	38.44	ng	100
40) 1,2,4,5-Tetrachloroben...	12.469	216	398230	37.84	ng	100
41) Hexachlorocyclopentadiene	12.445	237	258329	40.48	ng	100
43) 2,4,6-Trichlorophenol	12.716	196	268675	39.41	ng	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024618.D
Acq On : 13 May 2025 13:24
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

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

Quant Time: May 13 16:06:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.798	196	293079	38.62	ng	100
46) 1,1'-Biphenyl	13.116	154	1002344	37.42	ng	100
47) 2-Chloronaphthalene	13.157	162	771952	37.79	ng	100
48) 2-Nitroaniline	13.375	65	242485	40.10	ng	100
49) Acenaphthylene	14.016	152	1307740	38.26	ng	100
50) Dimethylphthalate	13.757	163	1051056	38.04	ng	100
51) 2,6-Dinitrotoluene	13.881	165	226086	38.75	ng	100
52) Acenaphthene	14.363	154	745335	37.93	ng	100
53) 3-Nitroaniline	14.216	138	246561	41.39	ng	100
54) 2,4-Dinitrophenol	14.428	184	124517	37.54	ng	100
55) Dibenzofuran	14.698	168	1183806	37.77	ng	100
56) 4-Nitrophenol	14.551	139	186112	38.41	ng	100
57) 2,4-Dinitrotoluene	14.681	165	329156	40.02	ng	100
58) Fluorene	15.357	166	968487	37.89	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.939	232	274384	38.98	ng	100
60) Diethylphthalate	15.139	149	1046478	37.48	ng	100
61) 4-Chlorophenyl-phenyle...	15.357	204	475327	37.29	ng	100
62) 4-Nitroaniline	15.392	138	239212	41.24	ng	100
63) Azobenzene	15.651	77	906274	37.94	ng	100
65) 4,6-Dinitro-2-methylph...	15.457	198	184593	39.84	ng	100
66) n-Nitrosodiphenylamine	15.581	169	851188	38.63	ng	100
67) 4-Bromophenyl-phenylether	16.263	248	323558	38.28	ng	100
68) Hexachlorobenzene	16.381	284	403916	37.60	ng	100
69) Atrazine	16.557	200	312226	38.67	ng	100
70) Pentachlorophenol	16.745	266	246828	40.91	ng	100
71) Phenanthrene	17.133	178	1507602	37.80	ng	100
72) Anthracene	17.228	178	1542275	38.44	ng	100
73) Carbazole	17.516	167	1436294	39.55	ng	100
74) Di-n-butylphthalate	18.098	149	1807097	38.69	ng	100
75) Fluoranthene	19.216	202	1794046	38.49	ng	100
77) Benzidine	19.416	184	907109	40.77	ng	100
78) Pyrene	19.592	202	1869519	38.50	ng	100
80) Butylbenzylphthalate	20.539	149	854913	39.58	ng	100
81) Benzo(a)anthracene	21.504	228	1957632	38.47	ng	100
82) 3,3'-Dichlorobenzidine	21.427	252	773866	40.94	ng	100
83) Chrysene	21.569	228	1833959	38.01	ng	100
84) Bis(2-ethylhexyl)phtha...	21.439	149	1240956	39.09	ng	100
85) Di-n-octyl phthalate	22.692	149	2074694	39.97	ng	100
87) Indeno(1,2,3-cd)pyrene	28.515	276	2648648	39.00	ng	100
88) Benzo(b)fluoranthene	23.757	252	2050806	38.53	ng	100
89) Benzo(k)fluoranthene	23.827	252	2120721	38.67	ng	100
90) Benzo(a)pyrene	24.645	252	1979017	38.71	ng	100
91) Dibenzo(a,h)anthracene	28.598	278	2170712	39.30	ng	100
92) Benzo(g,h,i)perylene	29.662	276	2132921	38.84	ng	100

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

ICAL Form

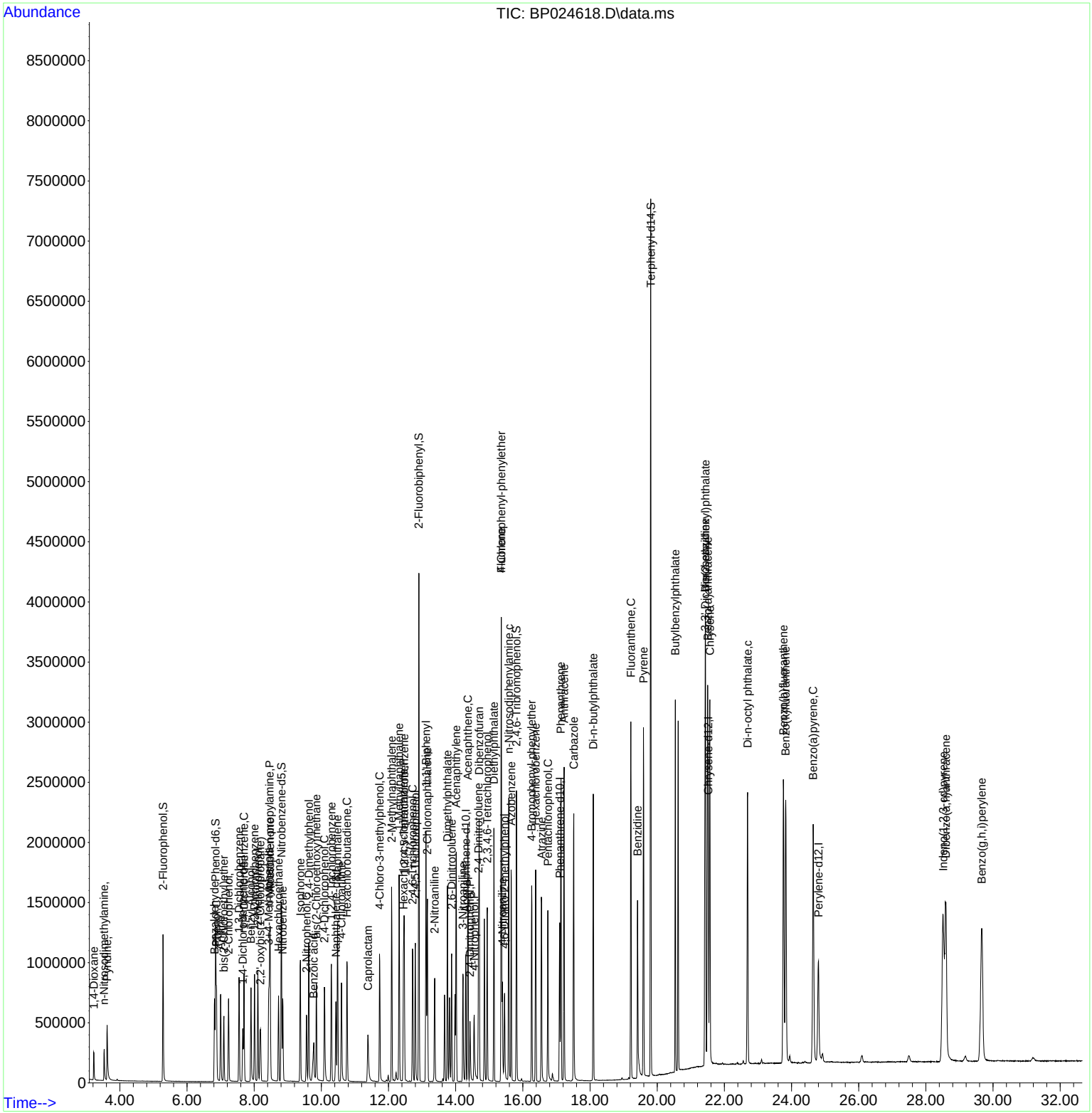
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Data File : BP024618.D
Acq On : 13 May 2025 13:24
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

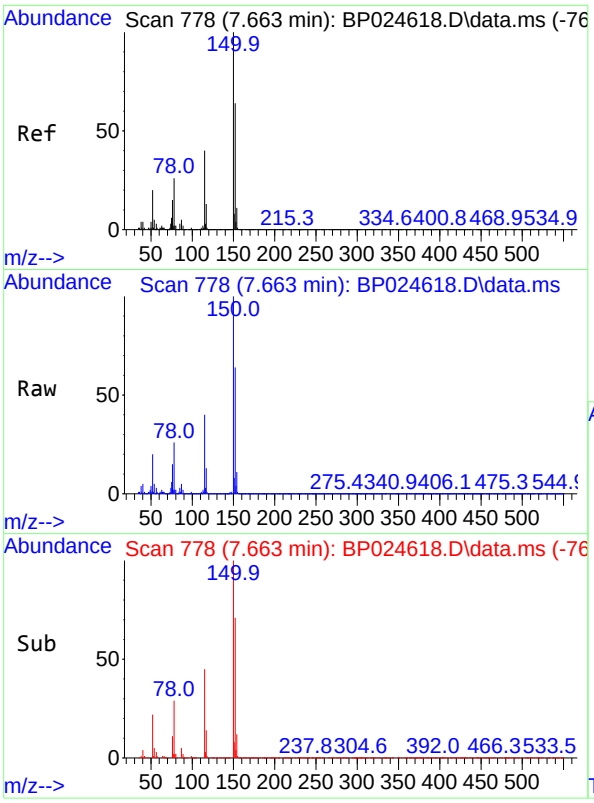
Quant Time: May 13 16:06:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

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

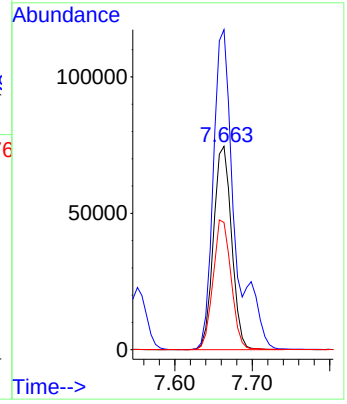




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:152 Resp: 12095

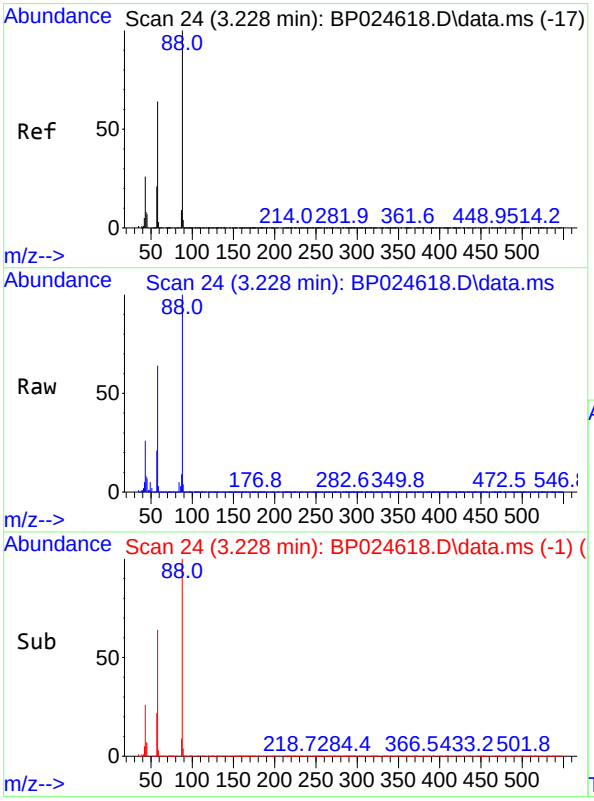
Ion	Ratio	Lower	Upper
152	100		
150	157.4	125.9	188.9
115	62.6	50.1	75.1



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

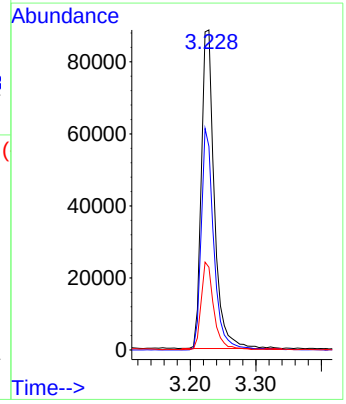
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

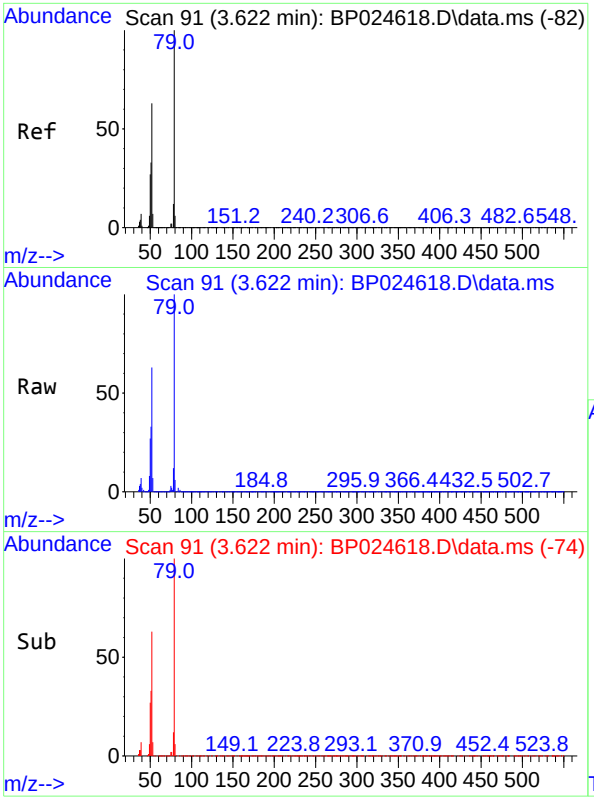


#2
1,4-Dioxane
Concen: 36.79 ng
RT: 3.228 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 88 Resp: 122181

Ion	Ratio	Lower	Upper
88	100		
58	67.5	54.0	81.0
43	26.7	21.4	32.0

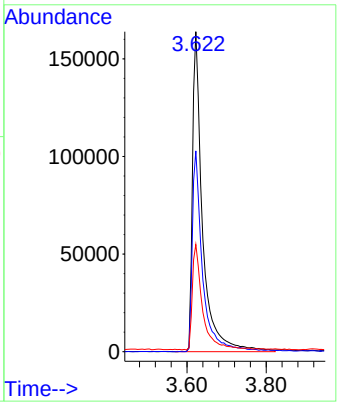




#3
Pyridine
Concen: 39.36 ng
RT: 3.622 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 79 Resp: 28980

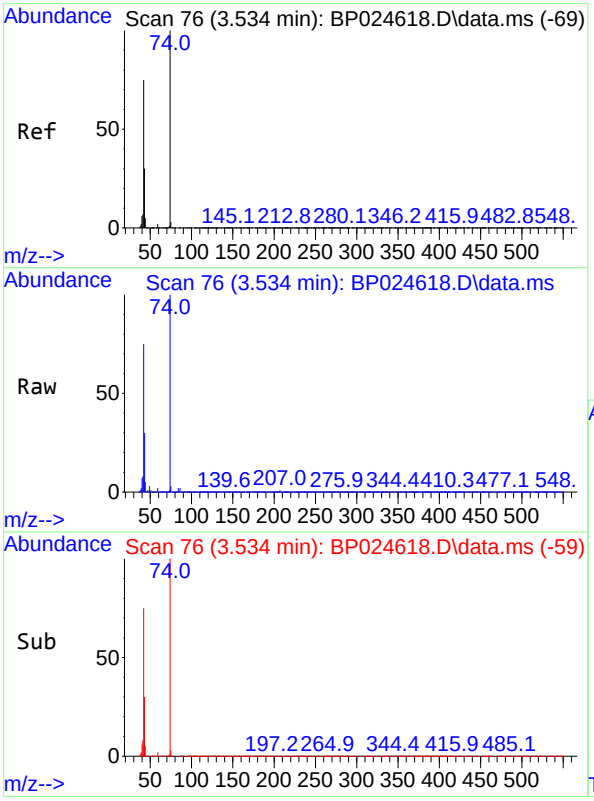
Ion	Ratio	Lower	Upper
79	100		
52	62.7	50.2	75.2
51	33.5	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

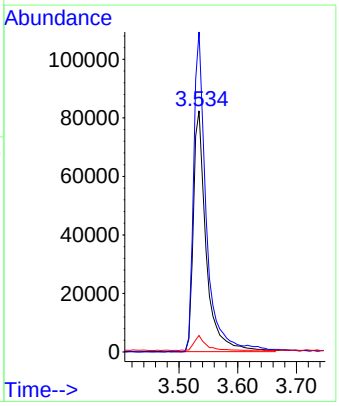
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

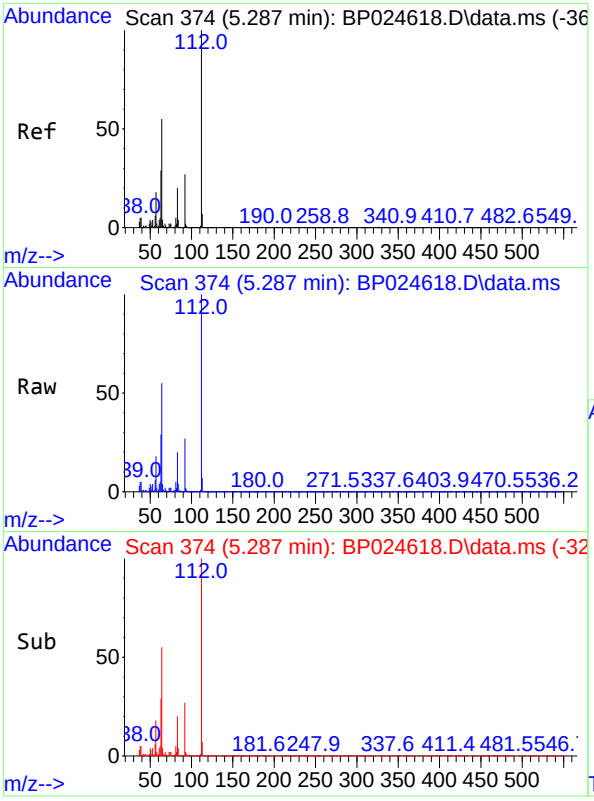


#4
n-Nitrosodimethylamine
Concen: 38.48 ng
RT: 3.534 min Scan# 76
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 42 Resp: 125087

Ion	Ratio	Lower	Upper
42	100		
74	132.7	106.2	159.2
44	6.8	5.4	8.2

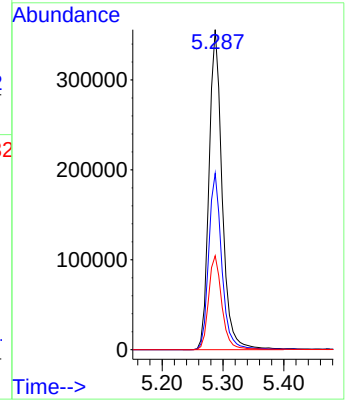




#5
2-Fluorophenol
Concen: 75.58 ng
RT: 5.287 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:112 Resp: 53447

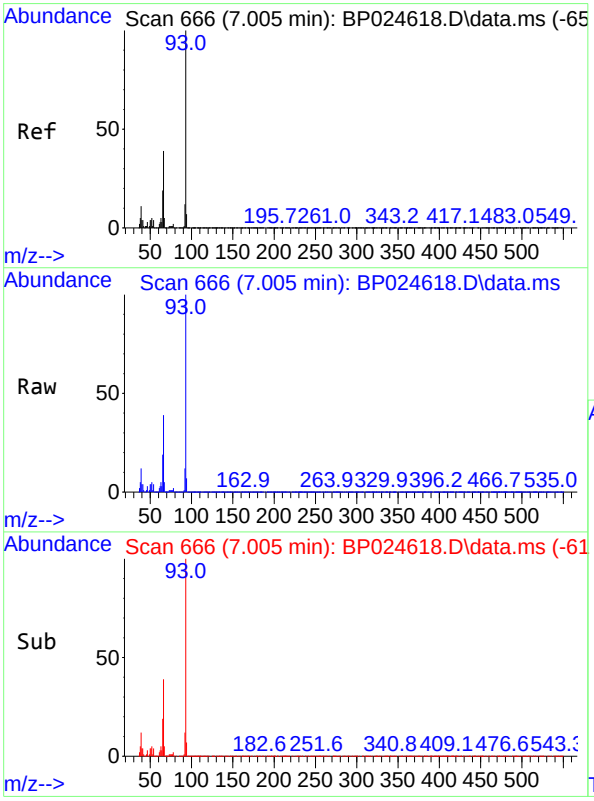
Ion	Ratio	Lower	Upper
112	100		
64	55.1	44.1	66.1
63	29.4	23.5	35.3



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

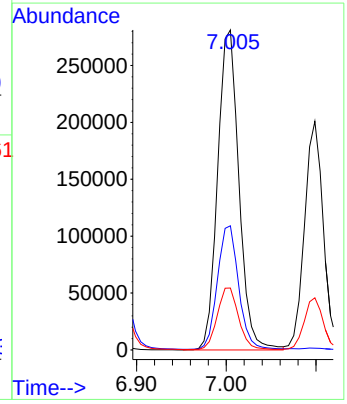
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

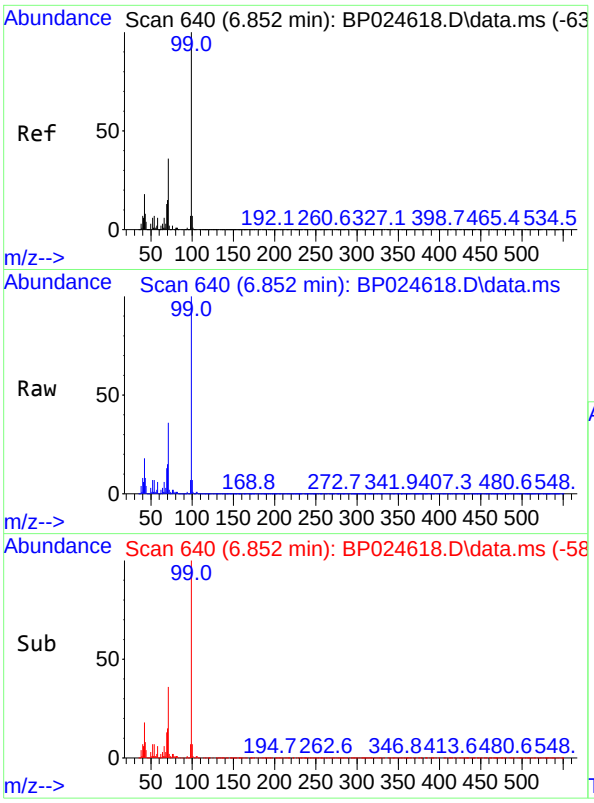


#6
Aniline
Concen: 39.79 ng
RT: 7.005 min Scan# 666
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 93 Resp: 463675

Ion	Ratio	Lower	Upper
93	100		
66	38.8	31.0	46.6
65	19.4	15.5	23.3

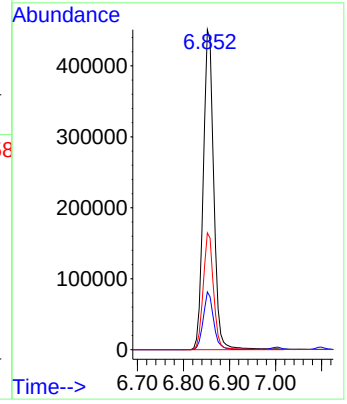




#7
Phenol-d6
Concen: 78.93 ng
RT: 6.852 min Scan# 64
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 99 Resp: 71234

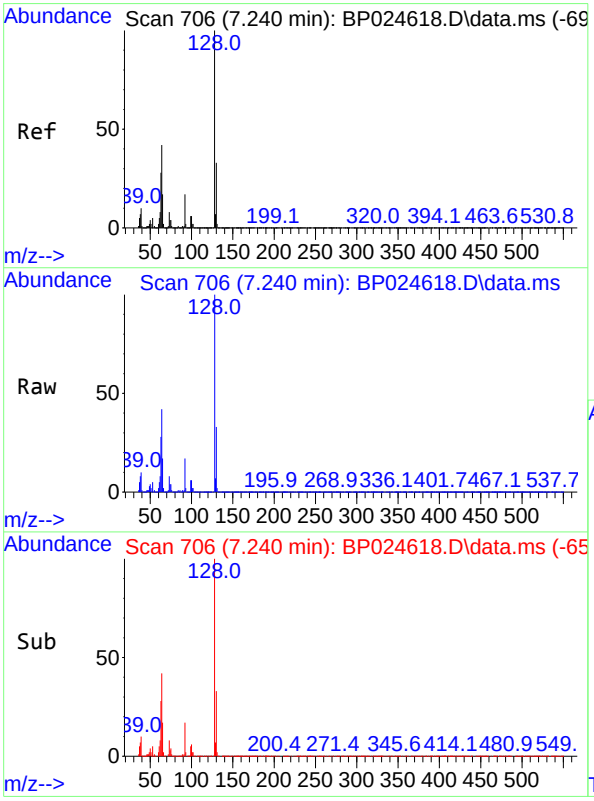
Ion	Ratio	Lower	Upper
99	100		
42	18.0	14.4	21.6
71	36.5	29.2	43.8



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

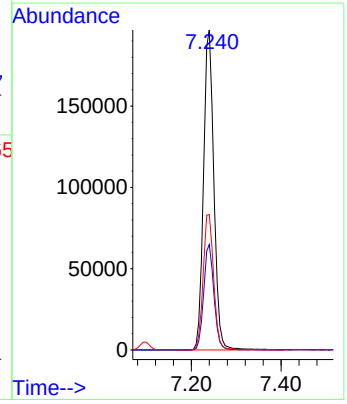
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

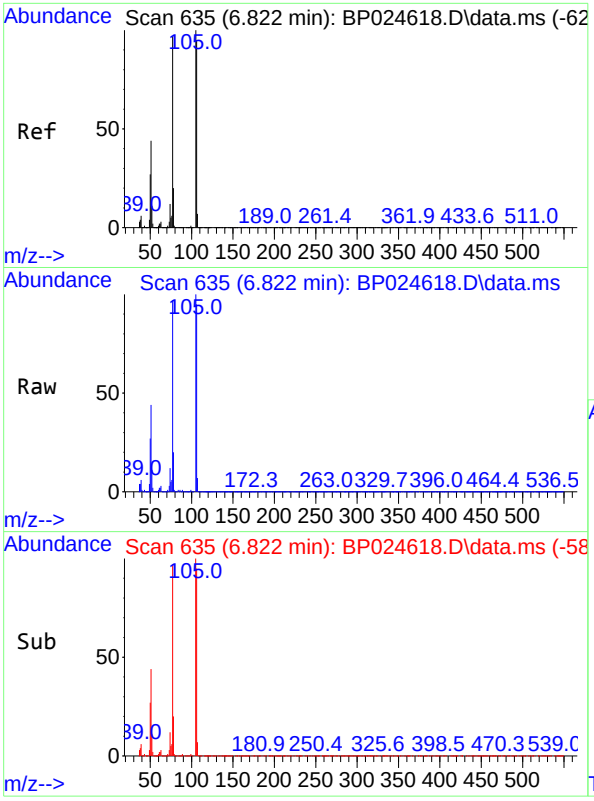


#8
2-Chlorophenol
Concen: 39.25 ng
RT: 7.240 min Scan# 706
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:128 Resp: 315079

Ion	Ratio	Lower	Upper
128	100		
130	33.0	13.0	53.0
64	42.3	22.3	62.3

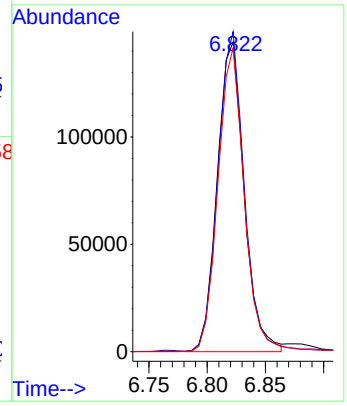




#9
Benzaldehyde
Concen: 39.62 ng m
RT: 6.822 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 77 Resp: 23107

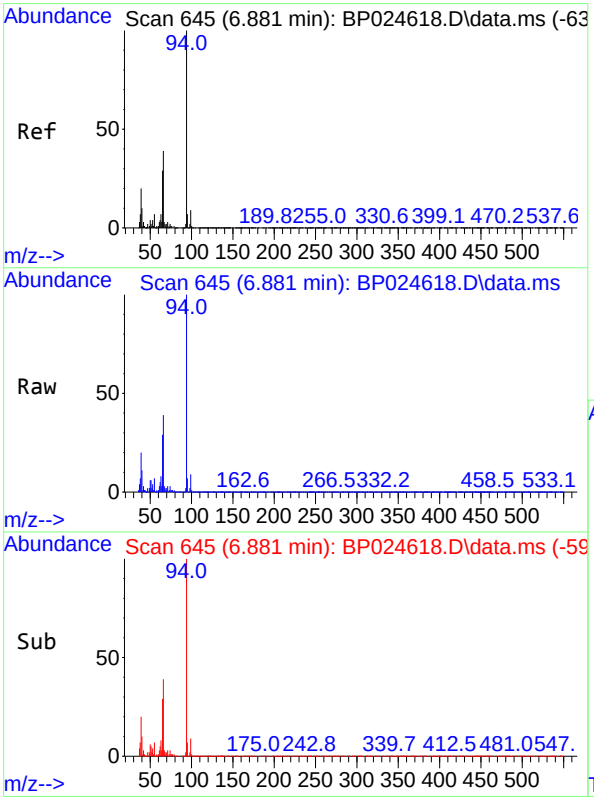
Ion	Ratio	Lower	Upper
77	100		
105	103.3	83.3	123.3
106	98.0	78.0	118.0



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

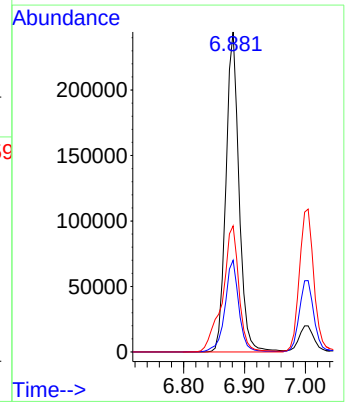
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

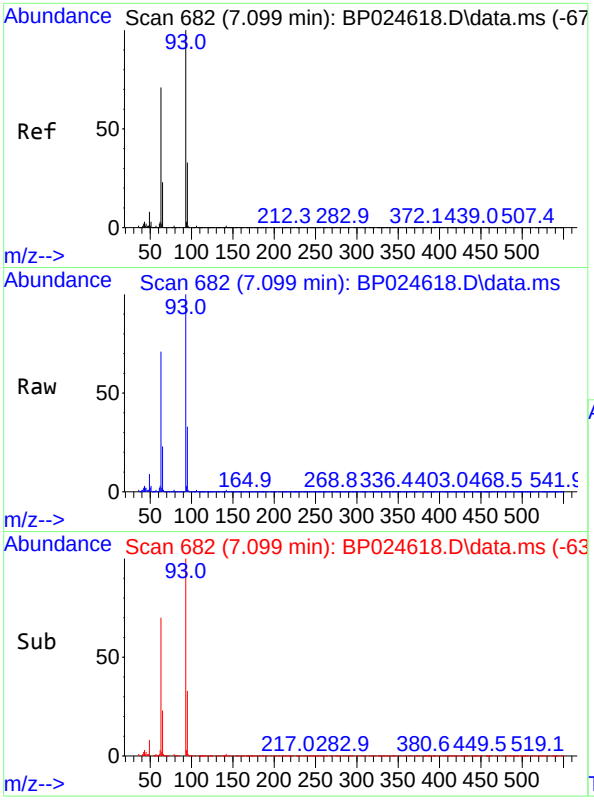


#10
Phenol
Concen: 39.18 ng
RT: 6.881 min Scan# 645
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 94 Resp: 364948

Ion	Ratio	Lower	Upper
94	100		
65	28.7	8.7	48.7
66	39.4	19.4	59.4

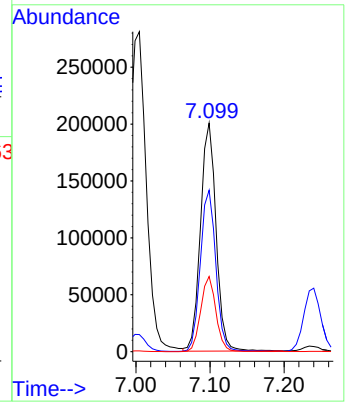




#11
bis(2-Chloroethyl)ether
Concen: 38.32 ng
RT: 7.099 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 93 Resp: 29333

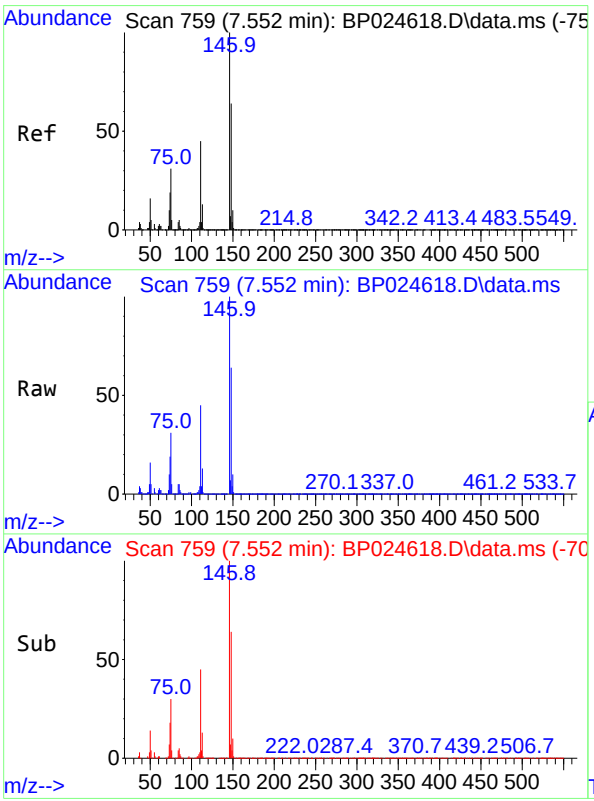
Ion	Ratio	Lower	Upper
93	100		
63	70.6	50.6	90.6
95	32.9	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

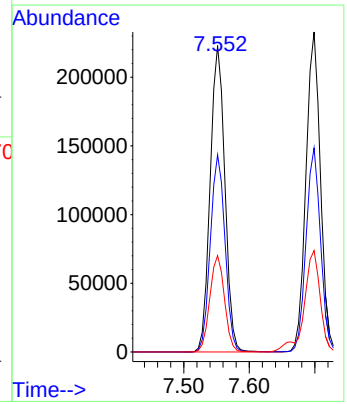
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

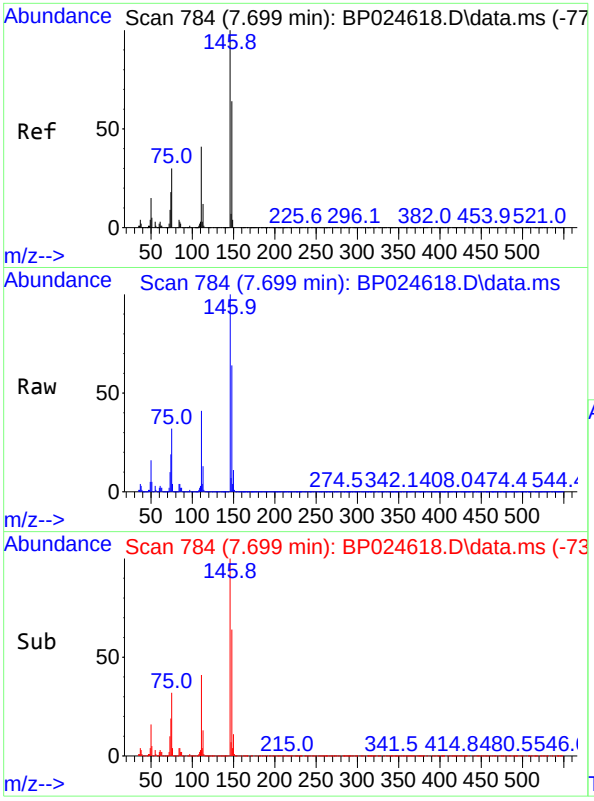


#12
1,3-Dichlorobenzene
Concen: 37.71 ng
RT: 7.552 min Scan# 759
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:146 Resp: 348242

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.2
75	31.5	25.2	37.8

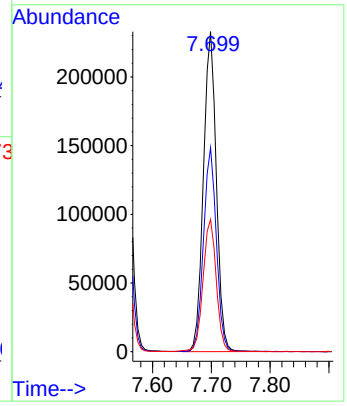




#13
1,4-Dichlorobenzene
Concen: 38.27 ng
RT: 7.699 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:146 Resp: 35553

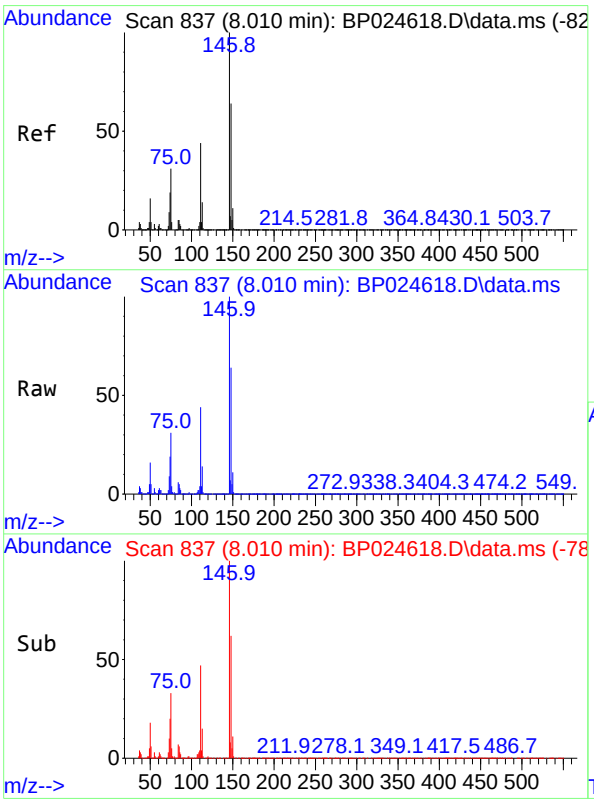
Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.6
111	41.3	33.0	49.6



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

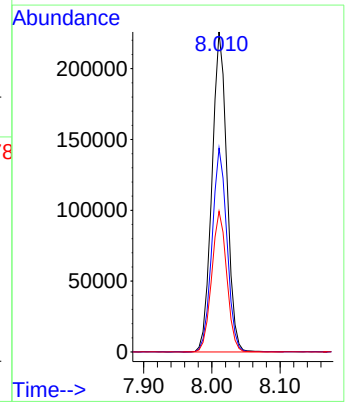
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

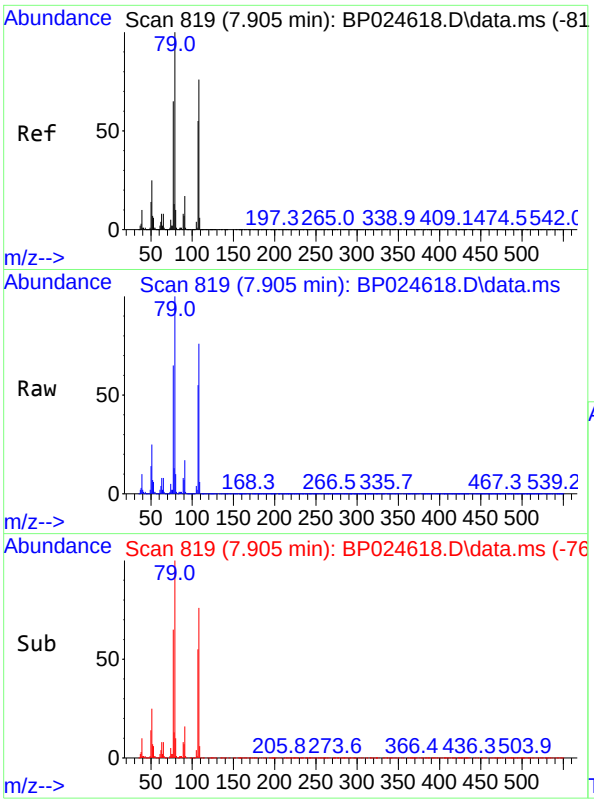


#14
1,2-Dichlorobenzene
Concen: 38.11 ng
RT: 8.010 min Scan# 837
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:146 Resp: 344980

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
111	44.0	35.2	52.8

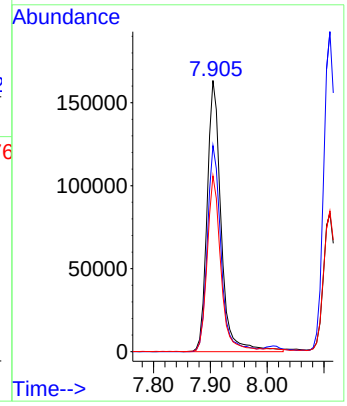




#15
Benzyl Alcohol
Concen: 40.52 ng
RT: 7.905 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 79 Resp: 27789

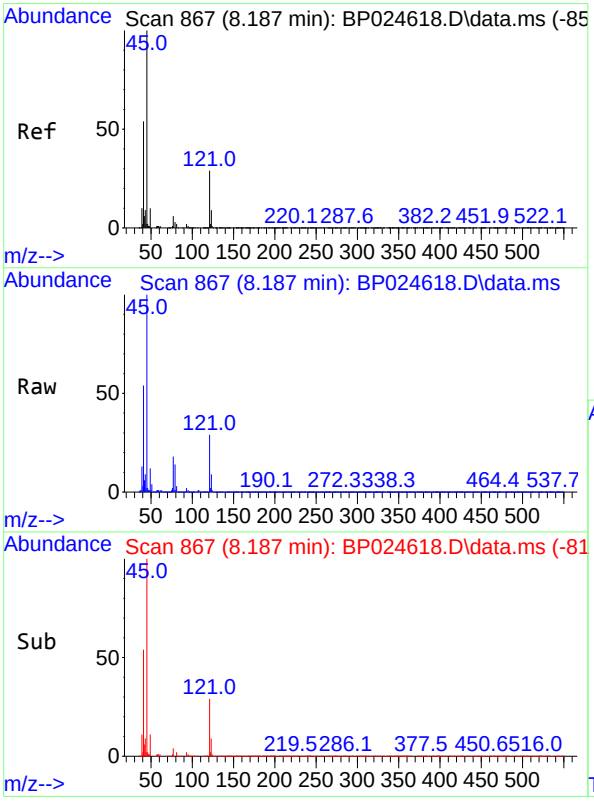
Ion	Ratio	Lower	Upper
79	100		
108	76.0	60.8	91.2
77	64.9	51.9	77.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

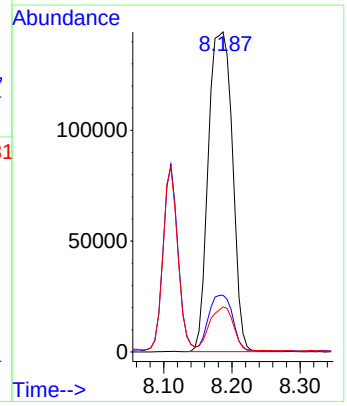
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

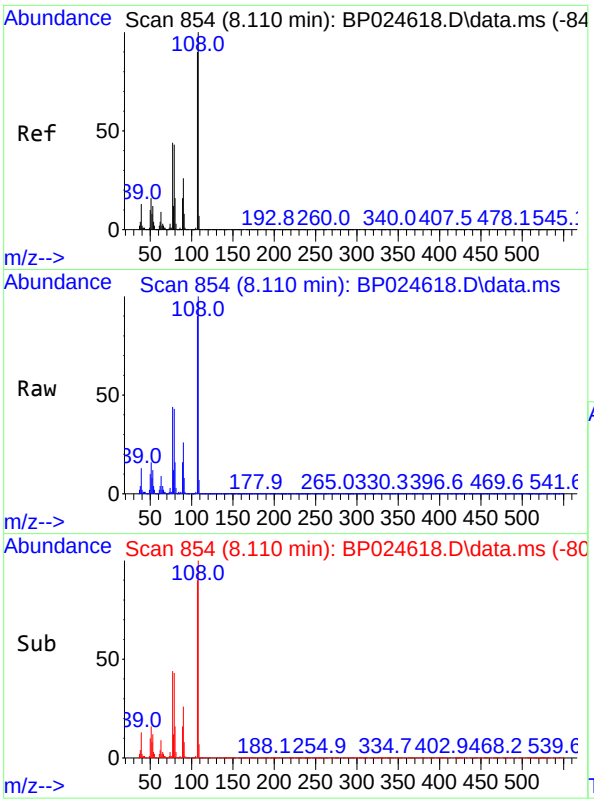


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.71 ng
RT: 8.187 min Scan# 867
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 45 Resp: 354872

Ion	Ratio	Lower	Upper
45	100		
77	17.7	0.0	37.7
79	14.0	0.0	34.0

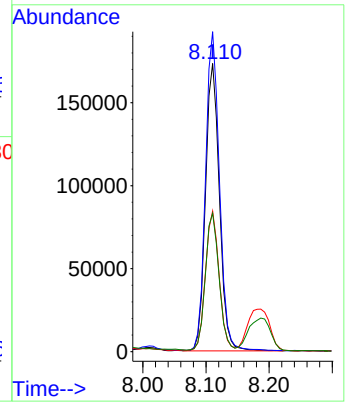




#17
2-Methylphenol
Concen: 39.81 ng
RT: 8.110 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:107 Resp: 26596

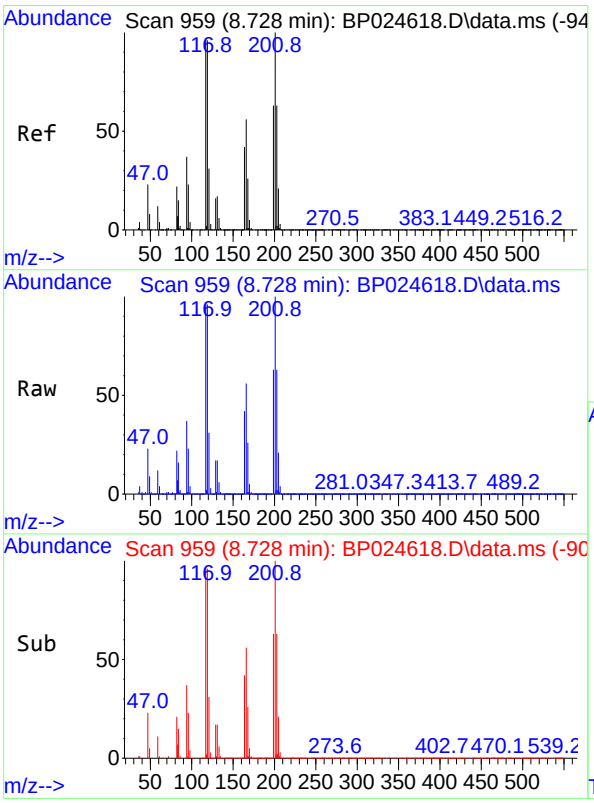
Ion	Ratio	Lower	Upper
107	100		
108	111.1	88.9	133.3
77	48.8	39.0	58.6
79	48.0	38.4	57.6



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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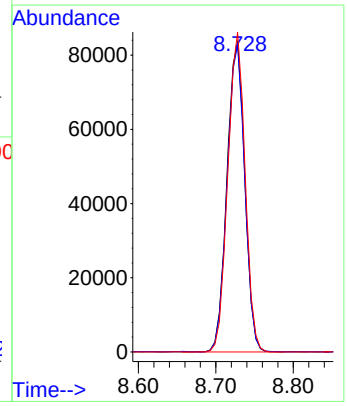
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

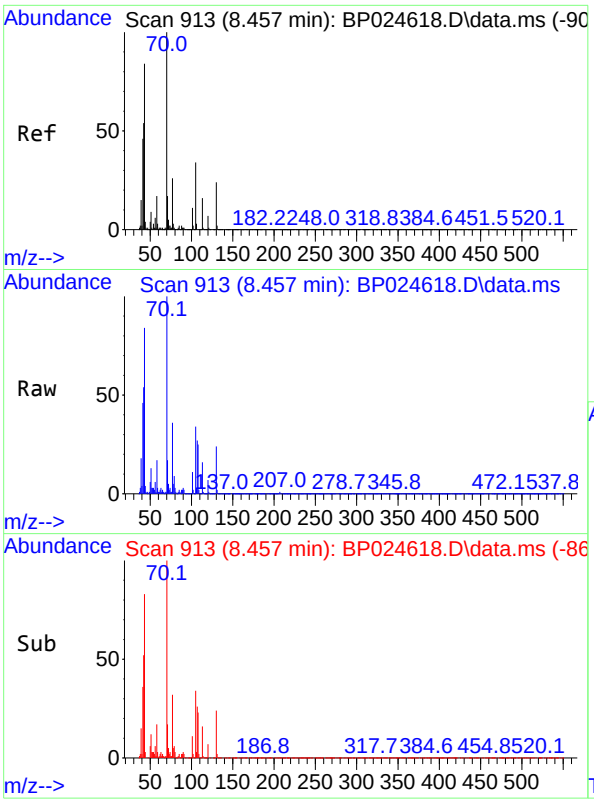


#18
Hexachloroethane
Concen: 37.43 ng
RT: 8.728 min Scan# 959
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:117 Resp: 133224

Ion	Ratio	Lower	Upper
117	100		
119	99.2	79.4	119.0
201	103.4	82.7	124.1





#19
n-Nitroso-di-n-propylamine
Concen: 40.61 ng
RT: 8.457 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

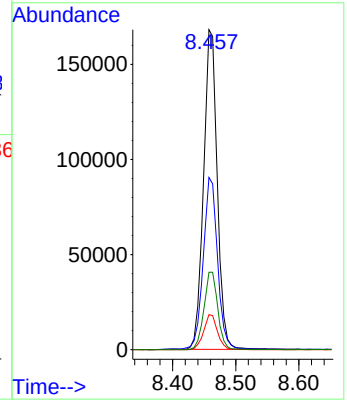
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

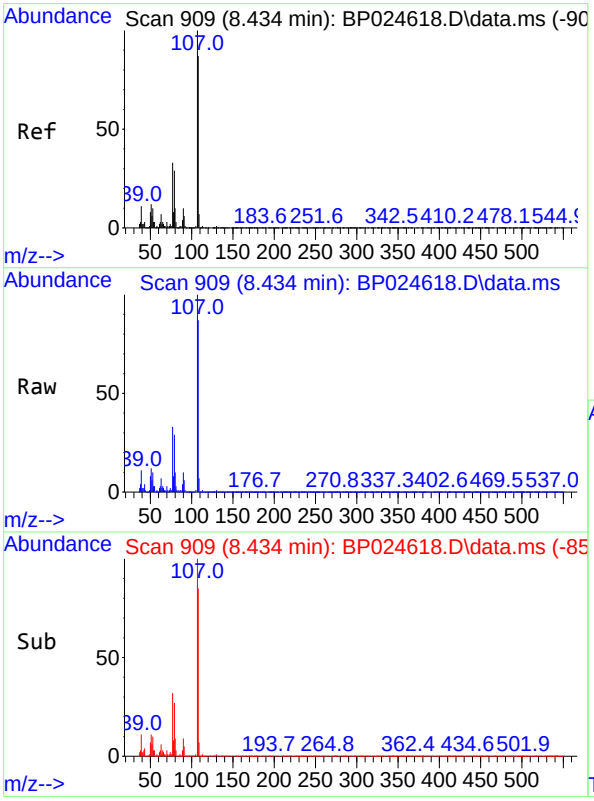
Tgt Ion: 70 Resp: 25355

Ion	Ratio	Lower	Upper
70	100		
42	53.8	43.0	64.6
101	10.9	8.7	13.1
130	24.2	19.4	29.0

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

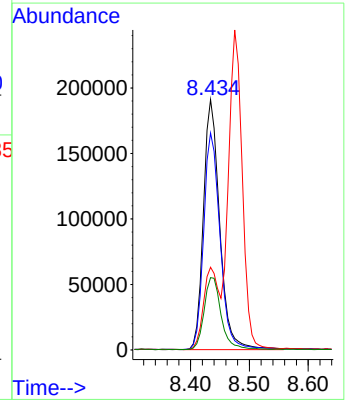


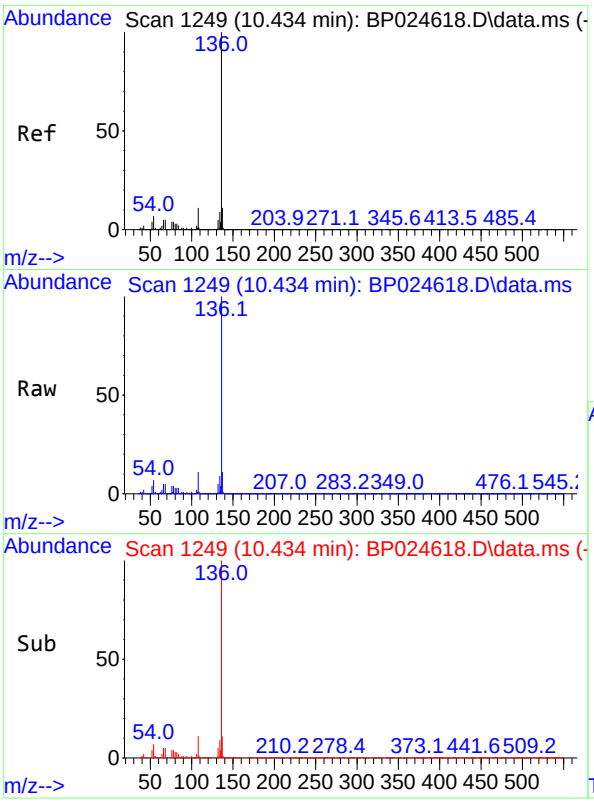


#20
3+4-Methylphenols
Concen: 40.33 ng
RT: 8.434 min Scan# 909
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:107 Resp: 366564

Ion	Ratio	Lower	Upper
107	100		
108	86.7	66.7	106.7
77	33.1	13.1	53.1
79	28.9	8.9	48.9

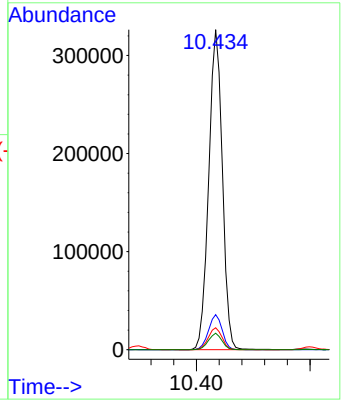




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:136 Resp: 54045

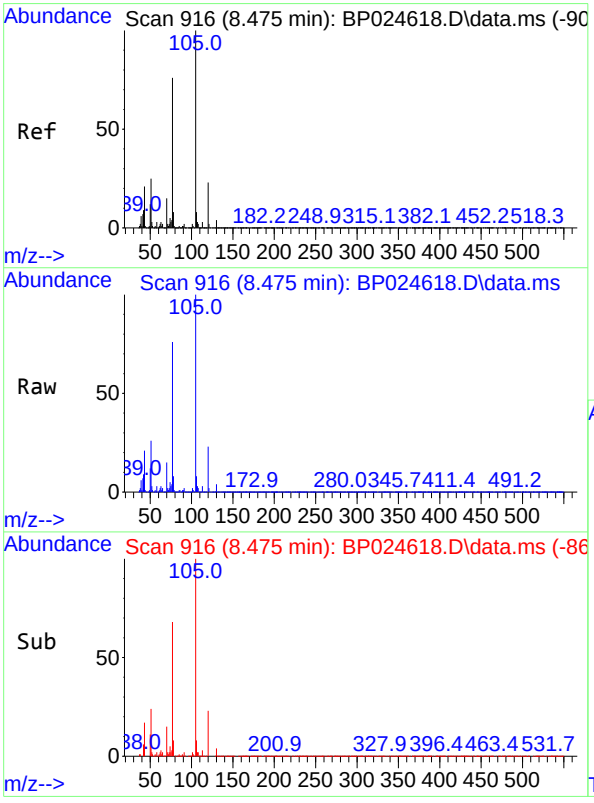
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.9	5.5	8.3
68	5.2	4.2	6.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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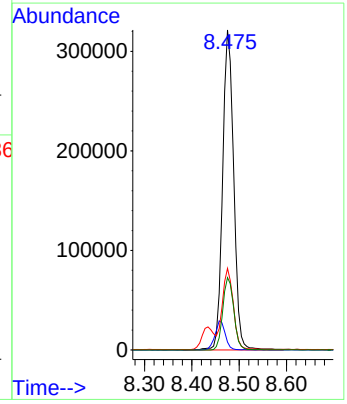
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

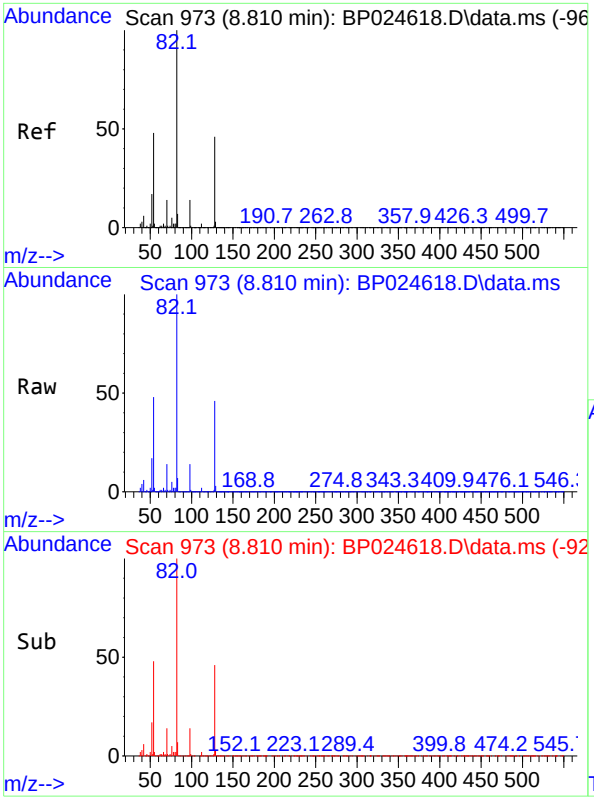


#22
Acetophenone
Concen: 38.64 ng
RT: 8.475 min Scan# 916
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:105 Resp: 521603

Ion	Ratio	Lower	Upper
105	100		
71	2.5	2.0	3.0
51	25.5	20.4	30.6
120	22.6	18.1	27.1

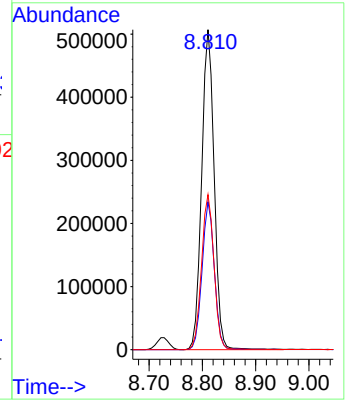




#23
Nitrobenzene-d5
Concen: 77.28 ng
RT: 8.810 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 82 Resp: 82656

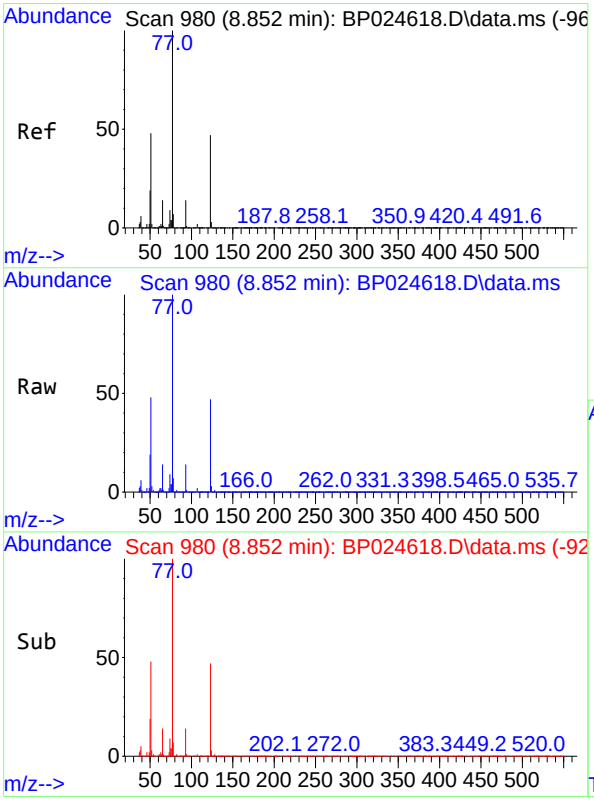
Ion	Ratio	Lower	Upper
82	100		
128	46.2	37.0	55.4
54	48.4	38.7	58.1



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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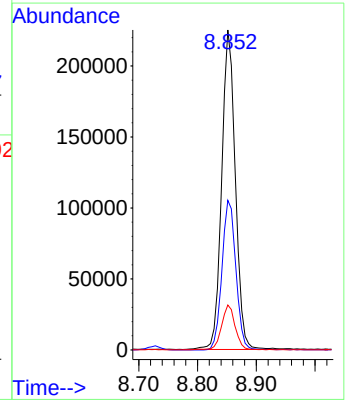
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

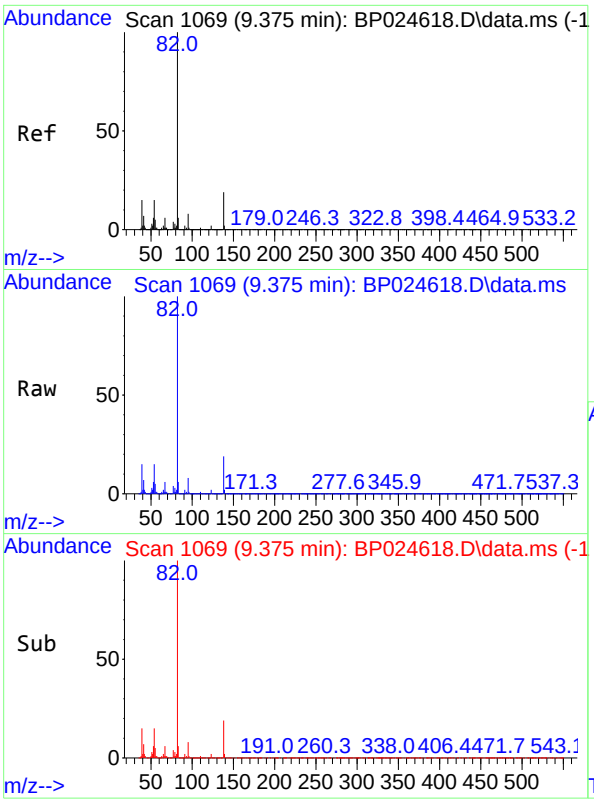


#24
Nitrobenzene
Concen: 38.65 ng
RT: 8.852 min Scan# 980
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 77 Resp: 363767

Ion	Ratio	Lower	Upper
77	100		
123	46.7	37.4	56.0
65	14.1	11.3	16.9





#25
Isophorone
Concen: 39.19 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

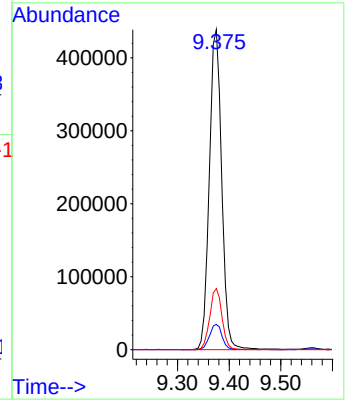
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

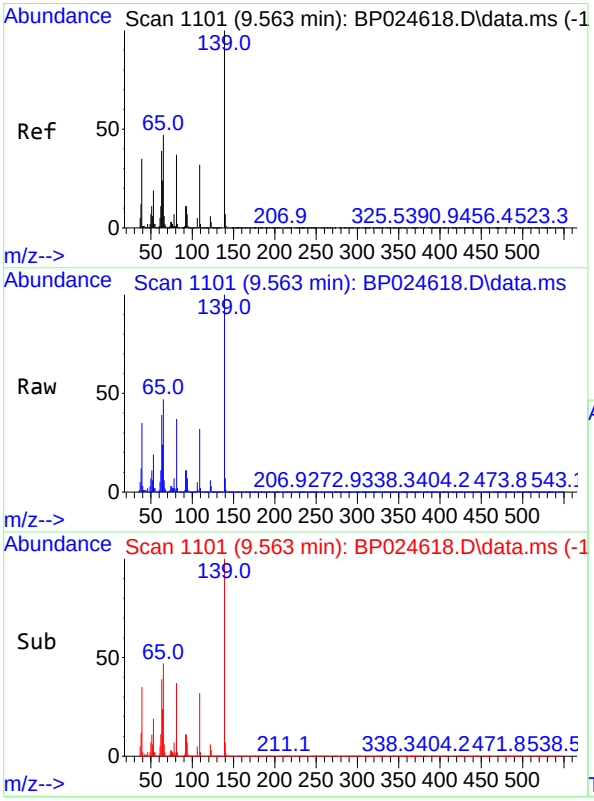
Tgt Ion: 82 Resp: 72708

Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.3	9.5
138	19.1	15.3	22.9

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Supervised By :Jagrut Upadhyay 05/14/2025

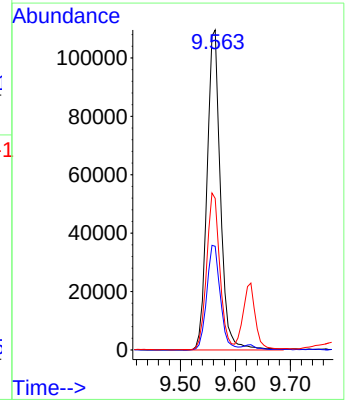


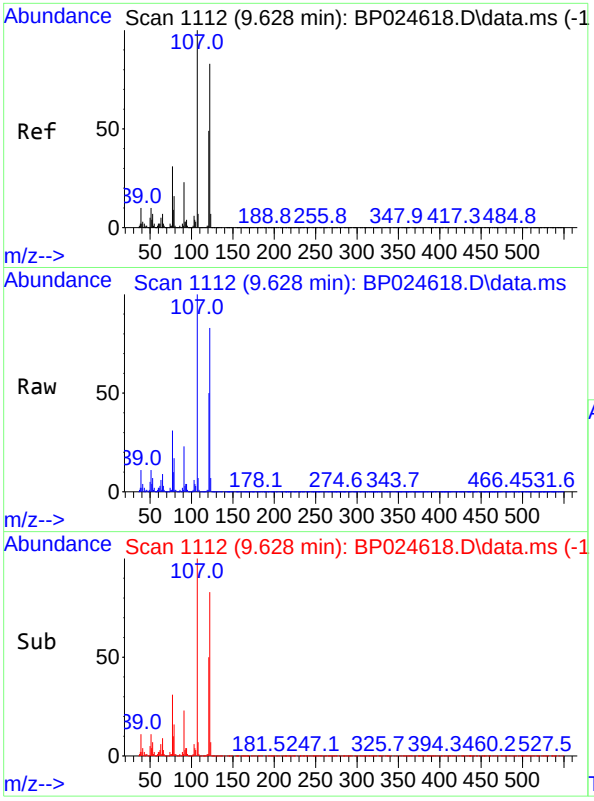


#26
2-Nitrophenol
Concen: 40.24 ng
RT: 9.563 min Scan# 1101
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:139 Resp: 185587

Ion	Ratio	Lower	Upper
139	100		
109	32.4	25.9	38.9
65	47.4	37.9	56.9





#27
2,4-Dimethylphenol
Concen: 39.62 ng
RT: 9.628 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

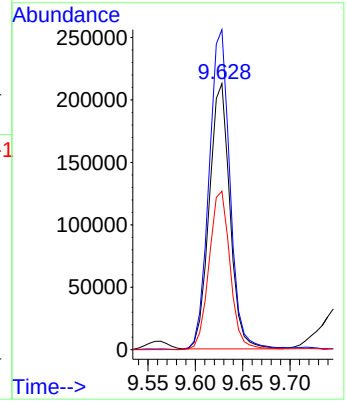
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

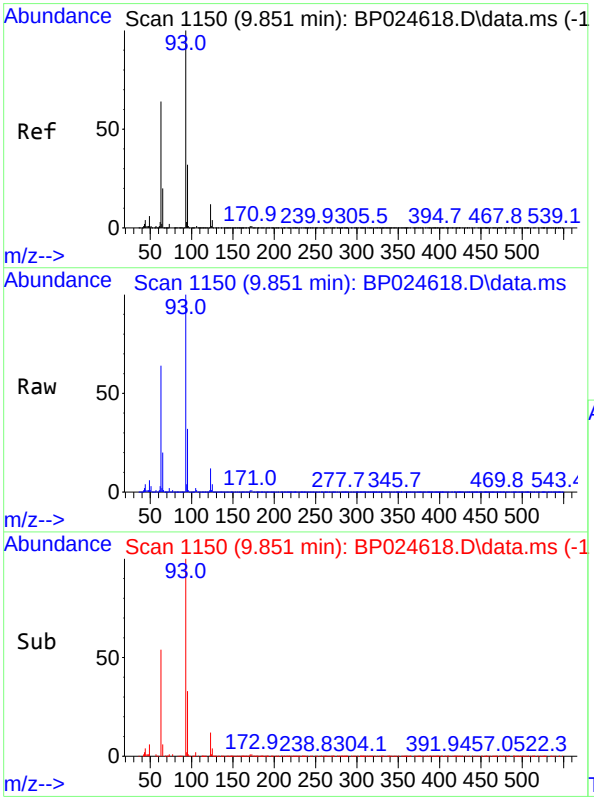
Tgt Ion:122 Resp: 32222

Ion	Ratio	Lower	Upper
122	100		
107	120.2	96.2	144.2
121	59.5	47.6	71.4

Manual Integrations
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Reviewed By :Rahul Chavli 05/14/2025
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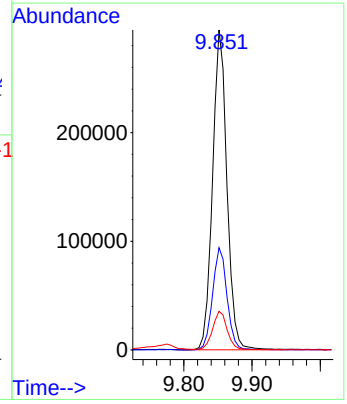


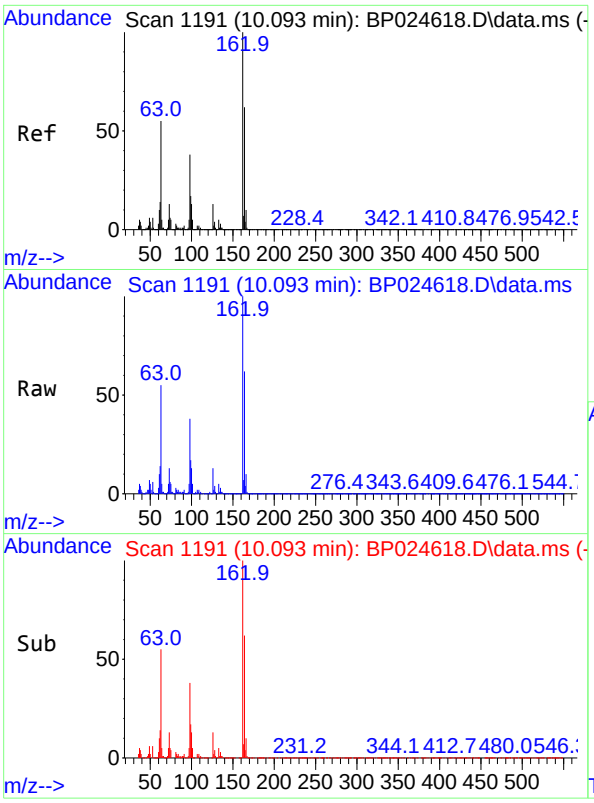


#28
bis(2-Chloroethoxy)methane
Concen: 38.88 ng
RT: 9.851 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 93 Resp: 430958

Ion	Ratio	Lower	Upper
93	100		
95	31.9	25.5	38.3
123	12.1	9.7	14.5

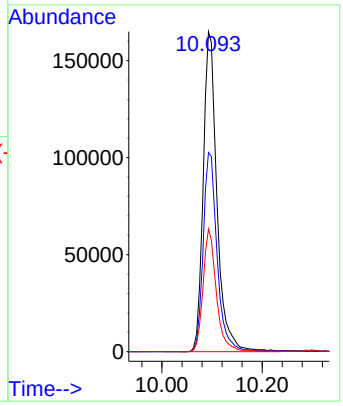




#29
2,4-Dichlorophenol
Concen: 39.95 ng
RT: 10.093 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:162 Resp: 31483

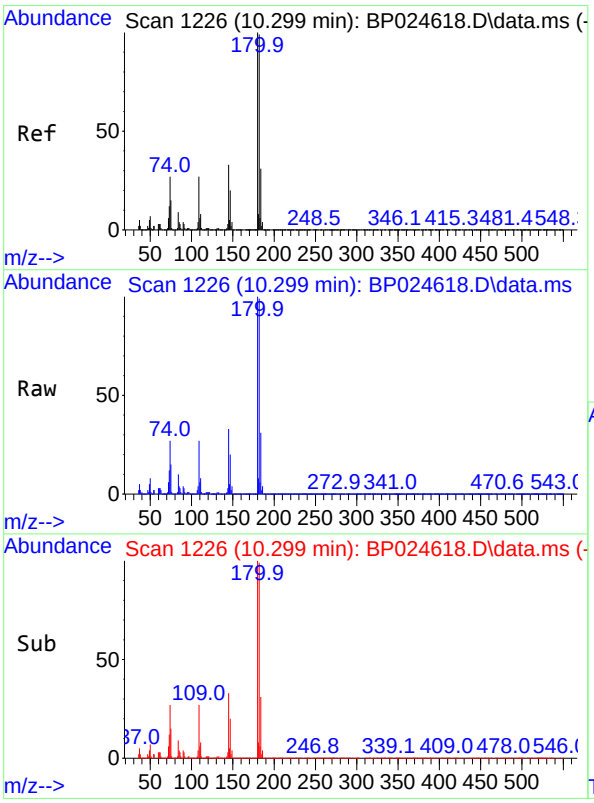
Ion	Ratio	Lower	Upper
162	100		
164	62.3	42.3	82.3
98	38.4	18.4	58.4



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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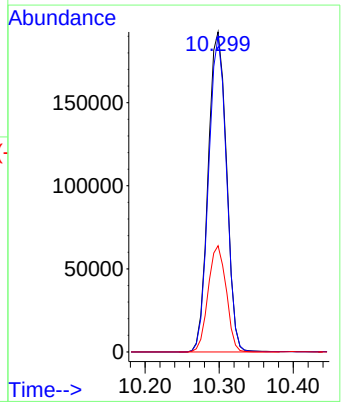
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

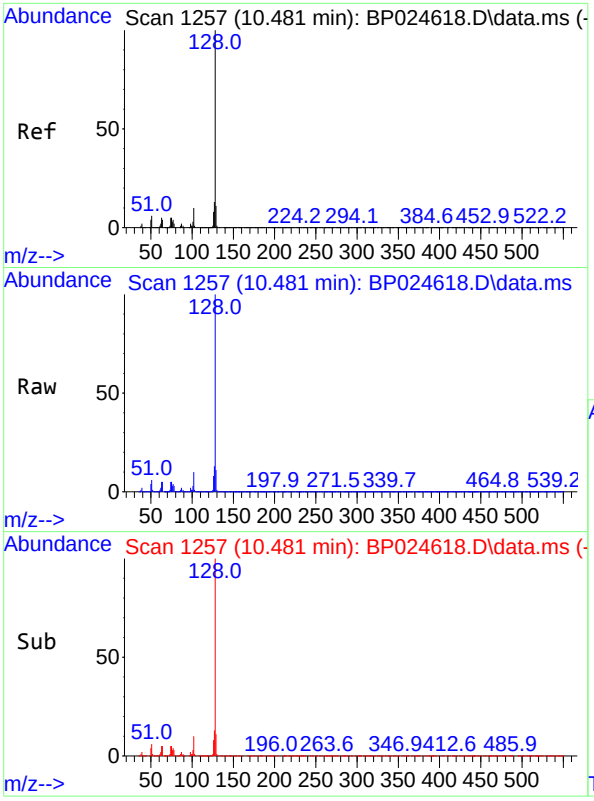


#30
1,2,4-Trichlorobenzene
Concen: 37.23 ng
RT: 10.299 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:180 Resp: 330659

Ion	Ratio	Lower	Upper
180	100		
182	98.7	79.0	118.4
145	33.2	26.6	39.8

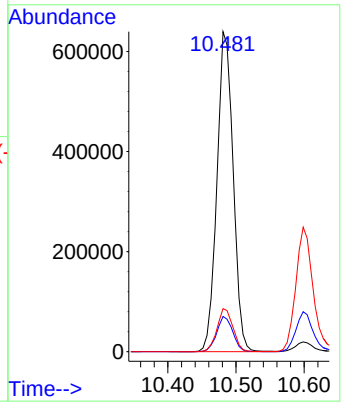




#31
Naphthalene
Concen: 37.82 ng
RT: 10.481 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:128 Resp: 105931

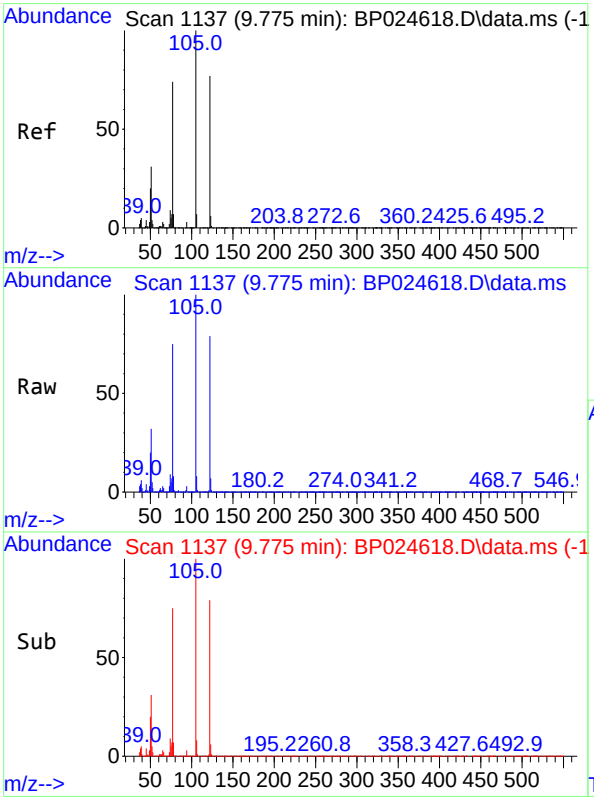
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.4	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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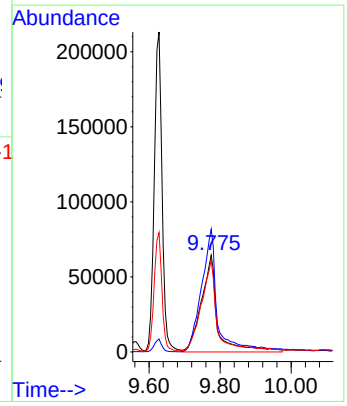
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

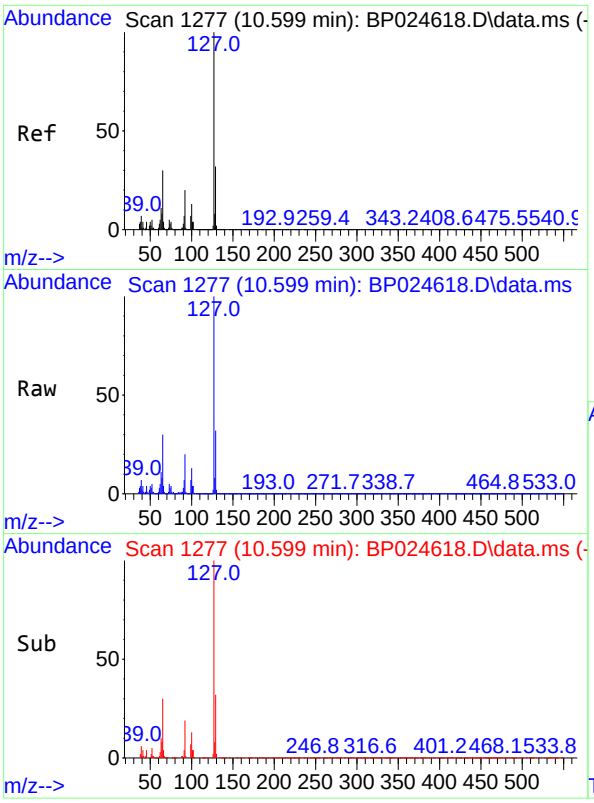


#32
Benzoic acid
Concen: 38.01 ng m
RT: 9.775 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:122 Resp: 206829

Ion	Ratio	Lower	Upper
122	100		
105	126.9	106.9	146.9
77	95.1	75.1	115.1

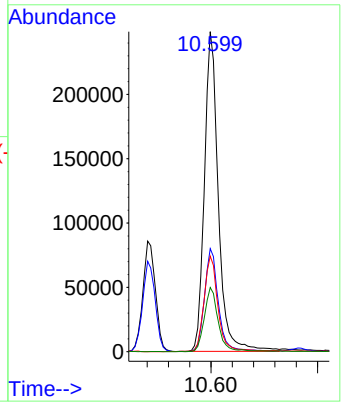




#33
4-Chloroaniline
Concen: 40.01 ng
RT: 10.599 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:127 Resp: 45215

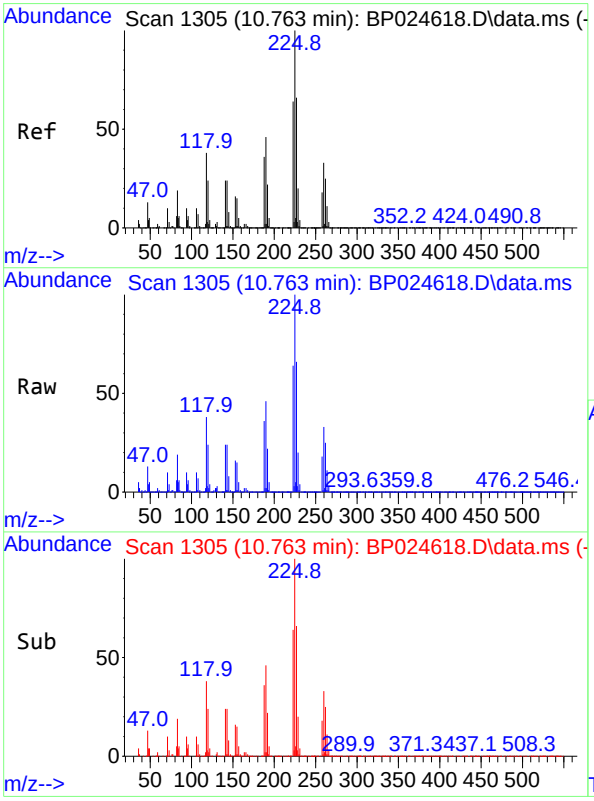
Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.8	38.6
65	29.9	23.9	35.9
92	20.1	16.1	24.1



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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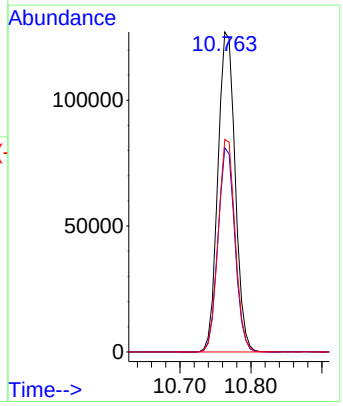
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

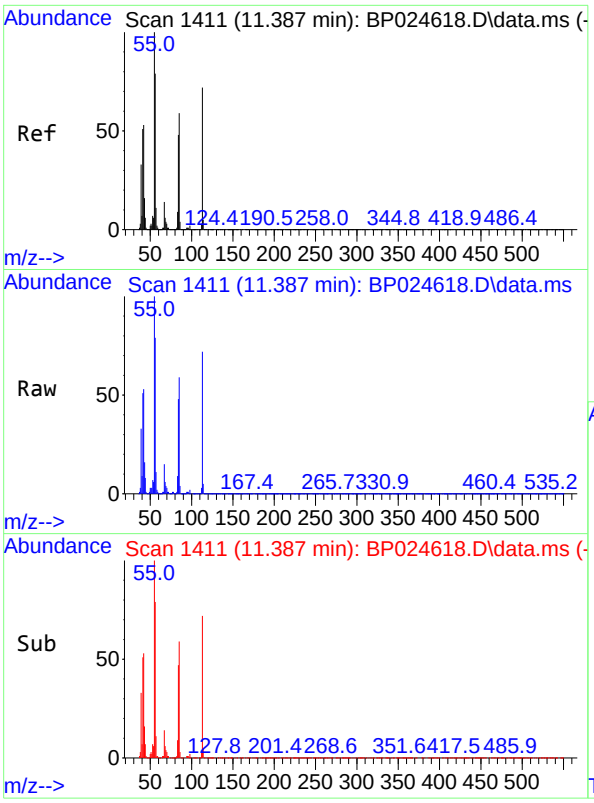


#34
Hexachlorobutadiene
Concen: 37.19 ng
RT: 10.763 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:225 Resp: 213978

Ion	Ratio	Lower	Upper
225	100		
223	63.8	51.0	76.6
227	66.4	53.1	79.7





#35
Caprolactam
Concen: 41.43 ng
RT: 11.387 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

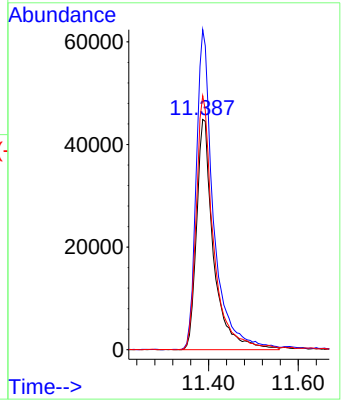
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

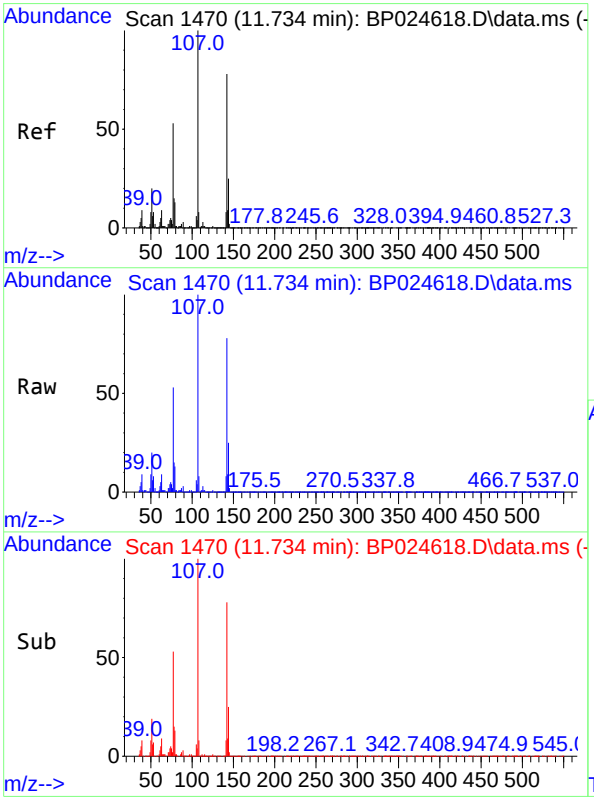
Tgt Ion:113 Resp: 11804

Ion	Ratio	Lower	Upper
113	100		
55	139.0	119.0	159.0
56	110.3	90.3	130.3

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

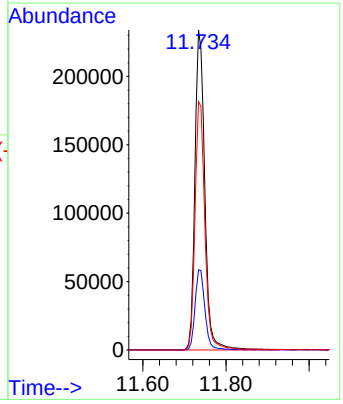


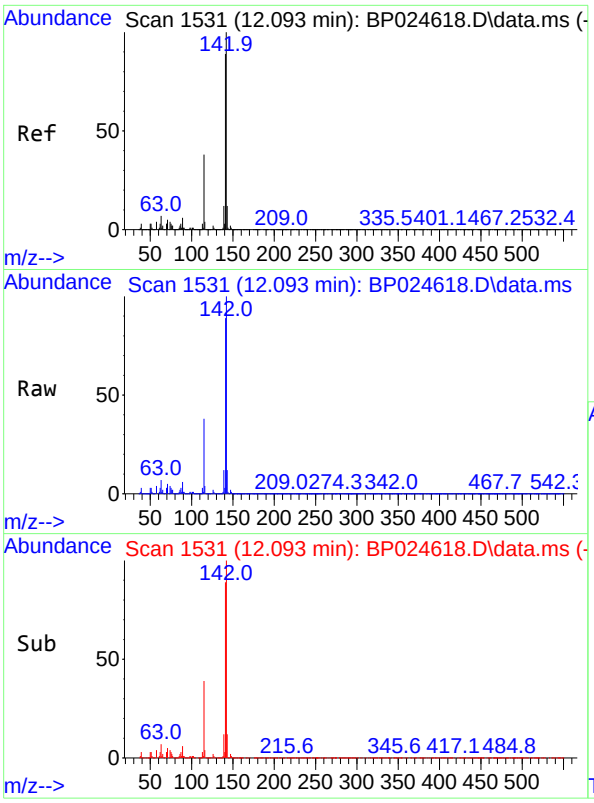


#36
4-Chloro-3-methylphenol
Concen: 40.07 ng
RT: 11.734 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:107 Resp: 385077

Ion	Ratio	Lower	Upper
107	100		
144	25.1	20.1	30.1
142	77.6	62.1	93.1

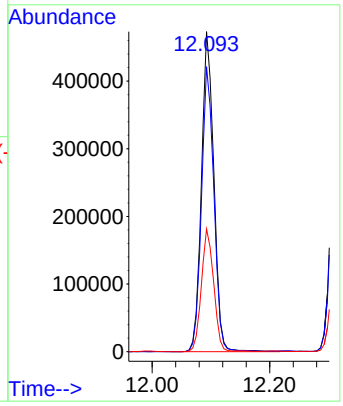




#37
2-Methylnaphthalene
Concen: 38.17 ng
RT: 12.093 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:142 Resp: 69213

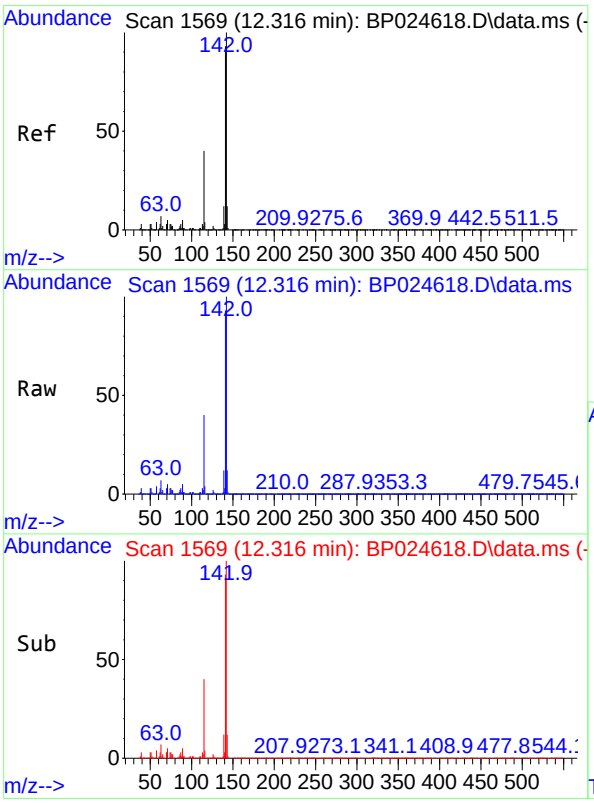
Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.2	106.8
115	38.3	30.6	46.0



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

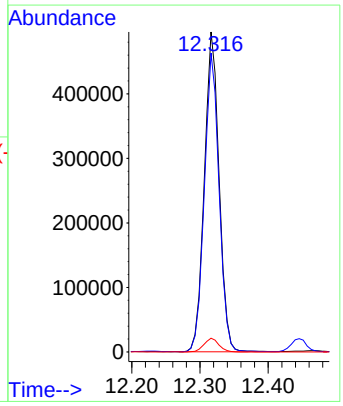
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

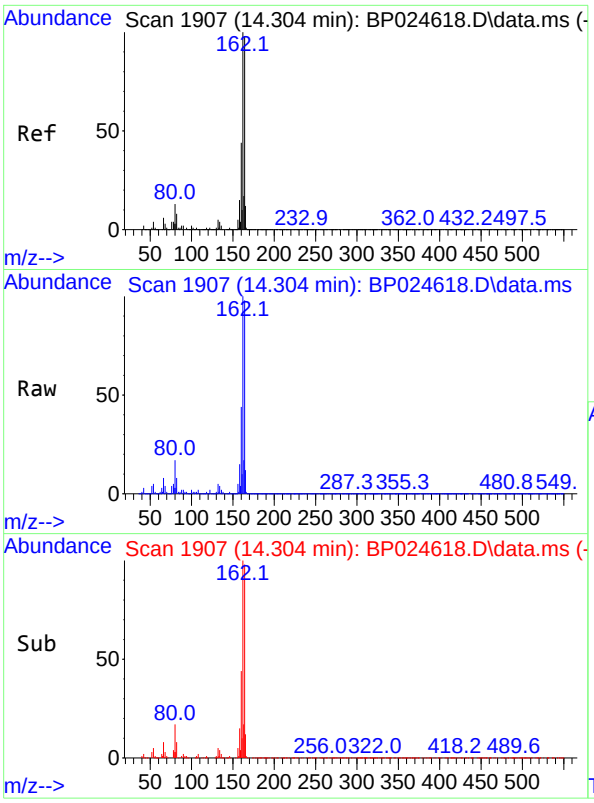


#38
1-Methylnaphthalene
Concen: 38.44 ng
RT: 12.316 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:142 Resp: 745849

Ion	Ratio	Lower	Upper
142	100		
141	93.4	74.7	112.1
116	4.3	3.4	5.2

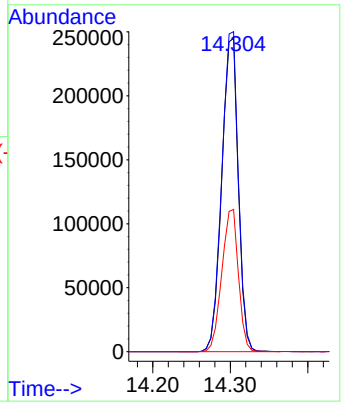




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:164 Resp: 36245

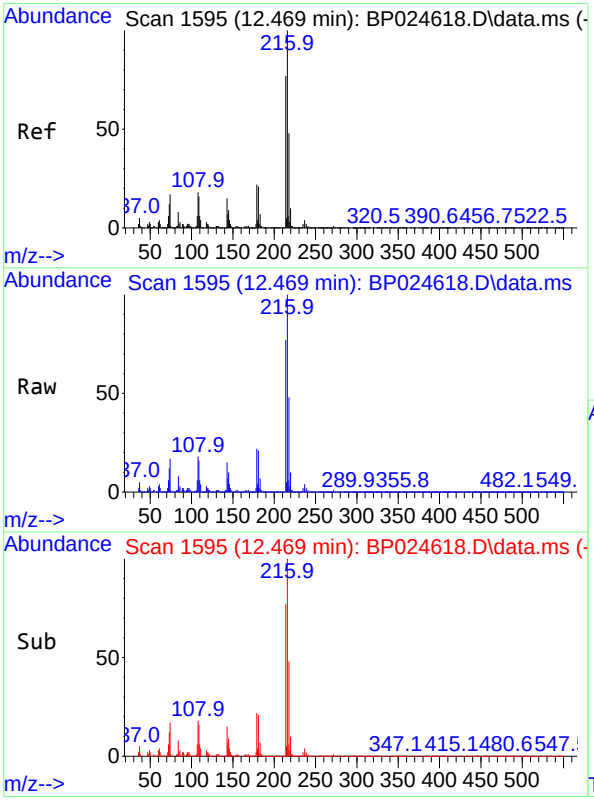
Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.8	122.6
160	45.4	36.3	54.5



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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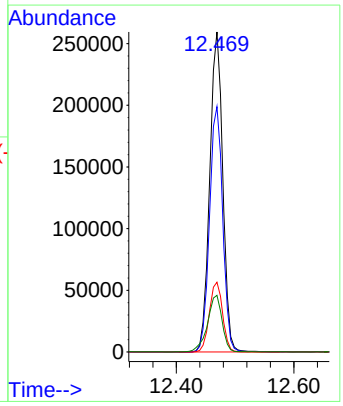
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

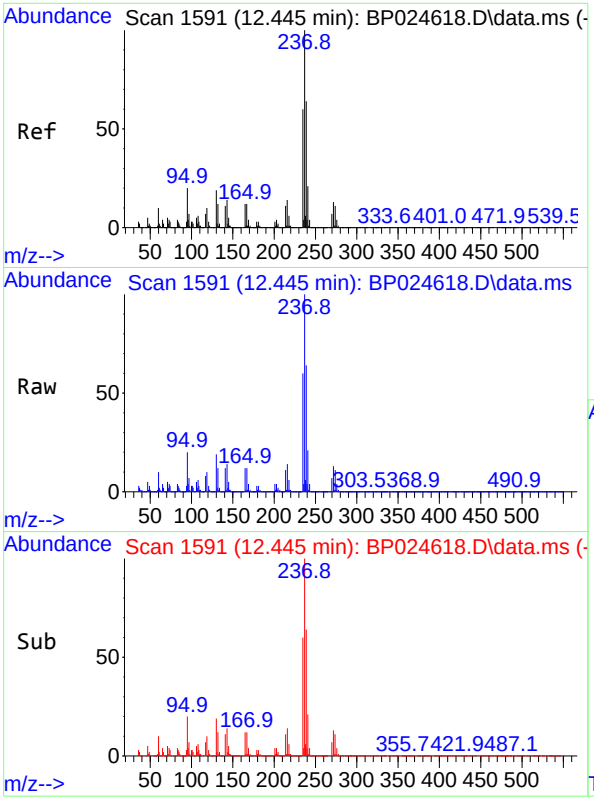


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.84 ng
RT: 12.469 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:216 Resp: 398230

Ion	Ratio	Lower	Upper
216	100		
214	77.9	62.3	93.5
179	22.1	17.7	26.5
108	20.0	16.0	24.0

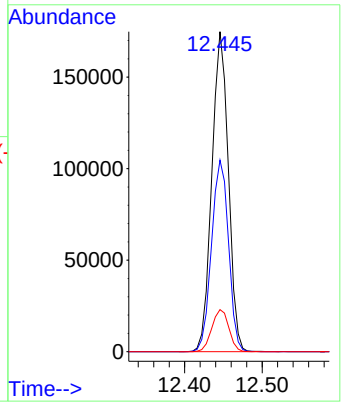




#41
Hexachlorocyclopentadiene
Concen: 40.48 ng
RT: 12.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:237 Resp: 25832

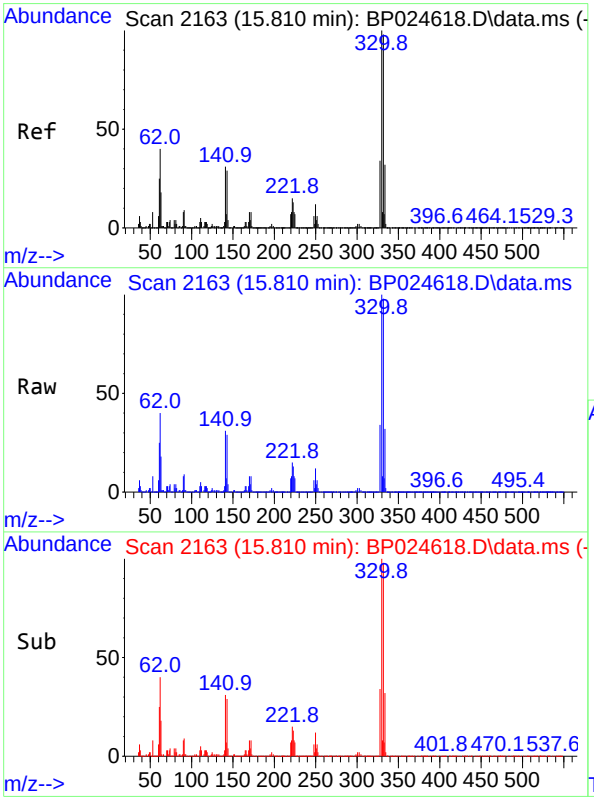
Ion	Ratio	Lower	Upper
237	100		
235	59.9	39.9	79.9
272	13.2	0.0	33.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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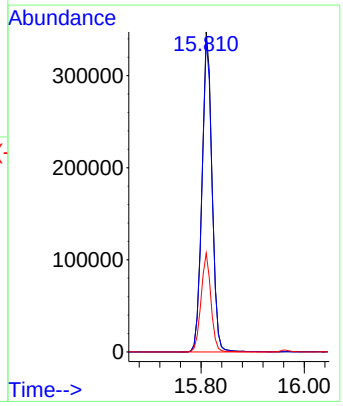
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

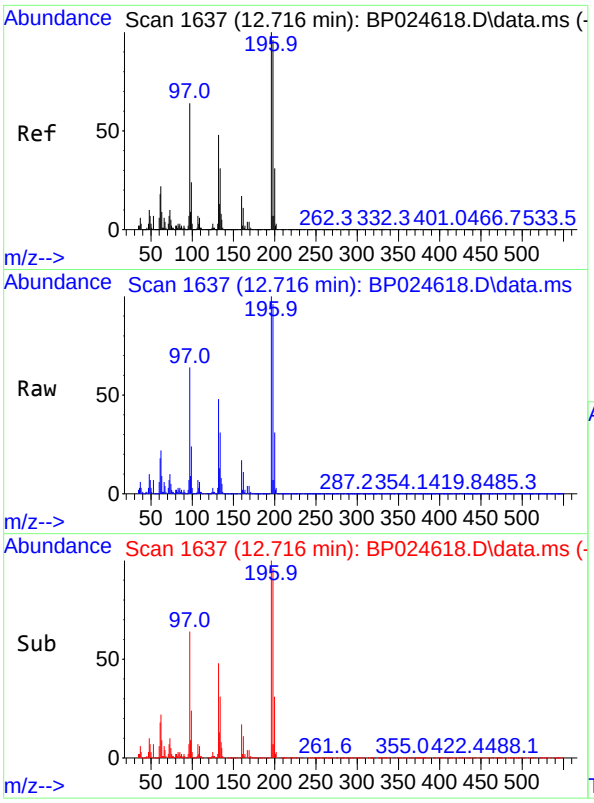


#42
2,4,6-Tribromophenol
Concen: 76.13 ng
RT: 15.810 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:330 Resp: 467808

Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.2	117.4
141	30.4	24.3	36.5

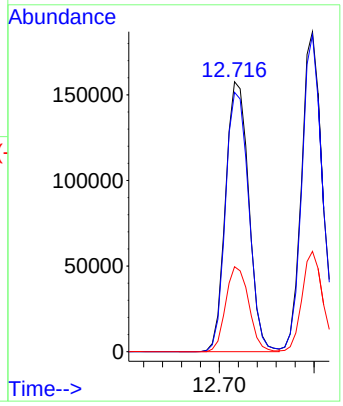




#43
2,4,6-Trichlorophenol
Concen: 39.41 ng
RT: 12.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:196 Resp: 26867

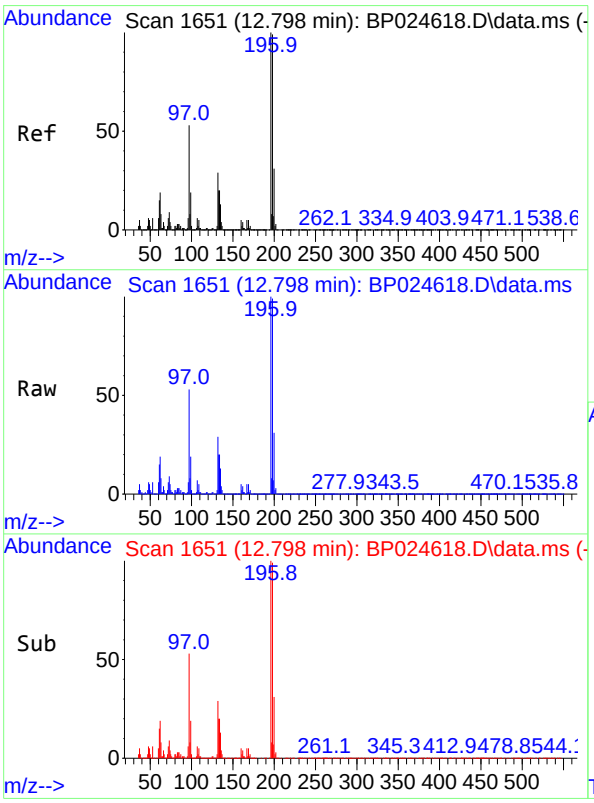
Ion	Ratio	Lower	Upper
196	100		
198	96.1	76.9	115.3
200	31.5	25.2	37.8



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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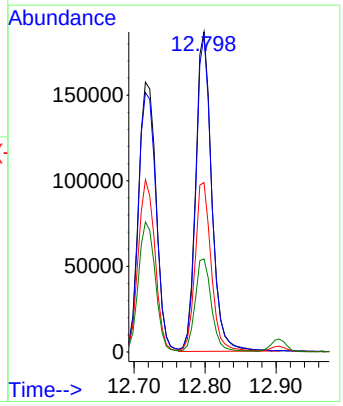
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

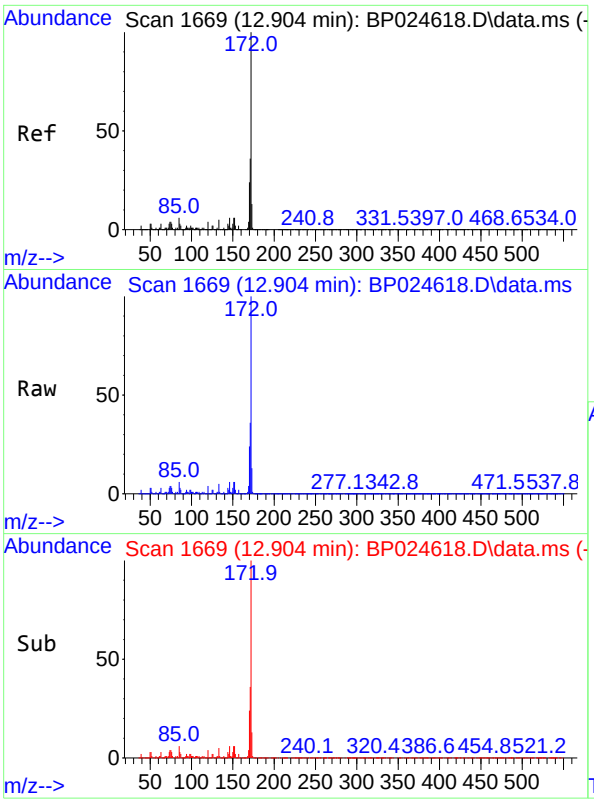


#44
2,4,5-Trichlorophenol
Concen: 38.62 ng
RT: 12.798 min Scan# 1651
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:196 Resp: 293079

Ion	Ratio	Lower	Upper
196	100		
198	99.0	79.2	118.8
97	52.9	42.3	63.5
132	29.1	23.3	34.9

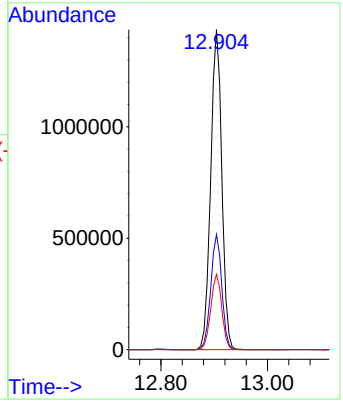




#45
2-Fluorobiphenyl
Concen: 75.05 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:172 Resp: 207635

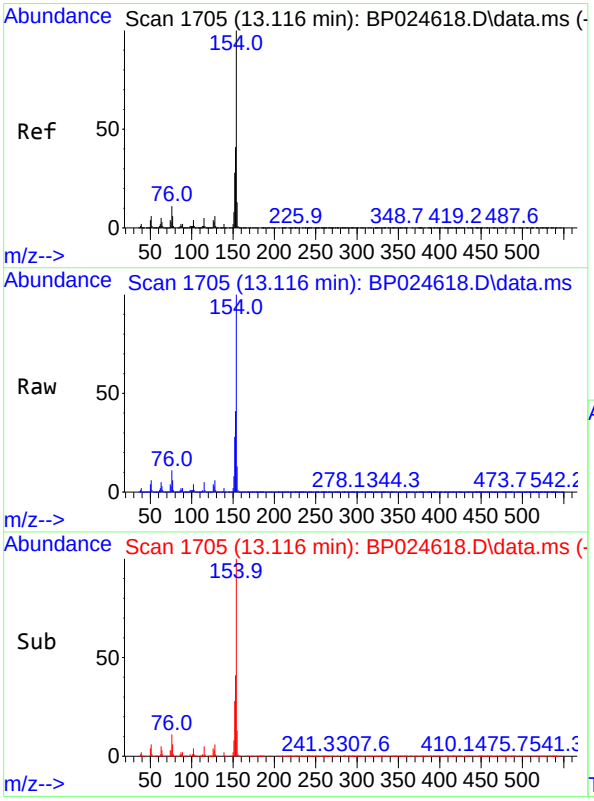
Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.8	43.2
170	23.5	18.8	28.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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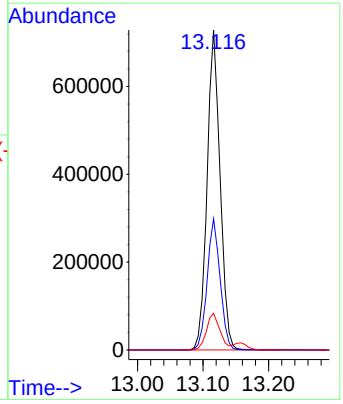
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

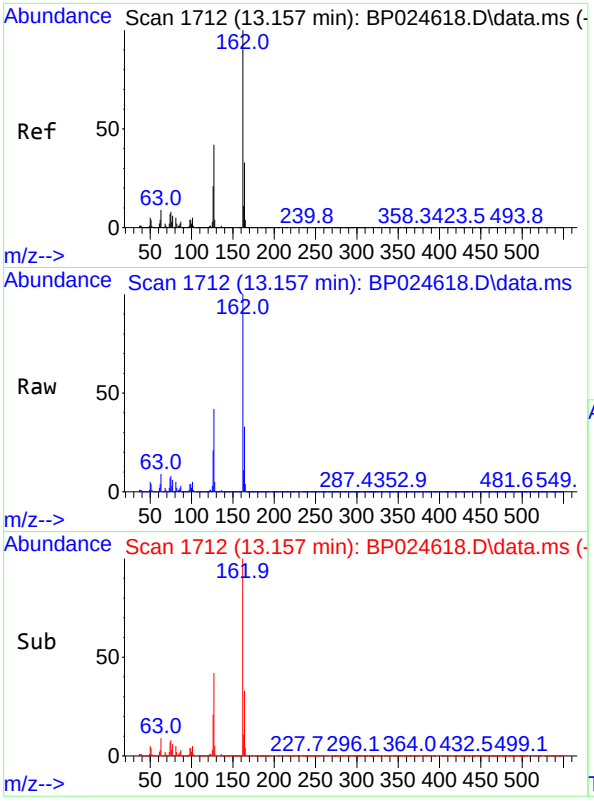


#46
1,1'-Biphenyl
Concen: 37.42 ng
RT: 13.116 min Scan# 1705
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:154 Resp: 1002344

Ion	Ratio	Lower	Upper
154	100		
153	41.0	21.0	61.0
76	11.5	0.0	31.5

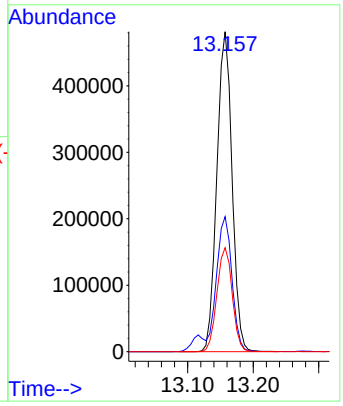




#47
2-Chloronaphthalene
Concen: 37.79 ng
RT: 13.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:162 Resp: 77195

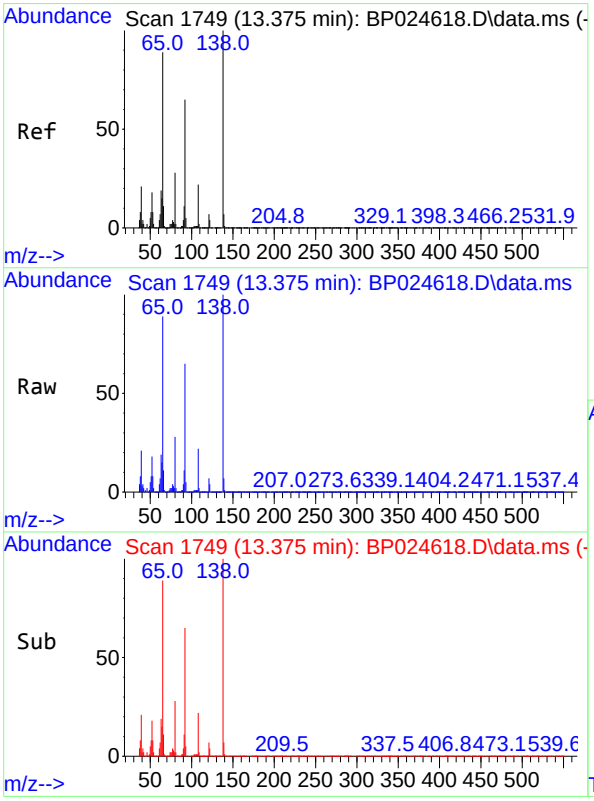
Ion	Ratio	Lower	Upper
162	100		
127	42.2	33.8	50.6
164	32.5	26.0	39.0



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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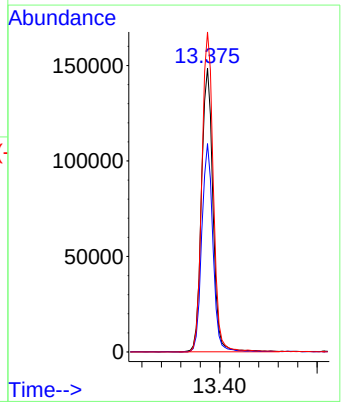
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

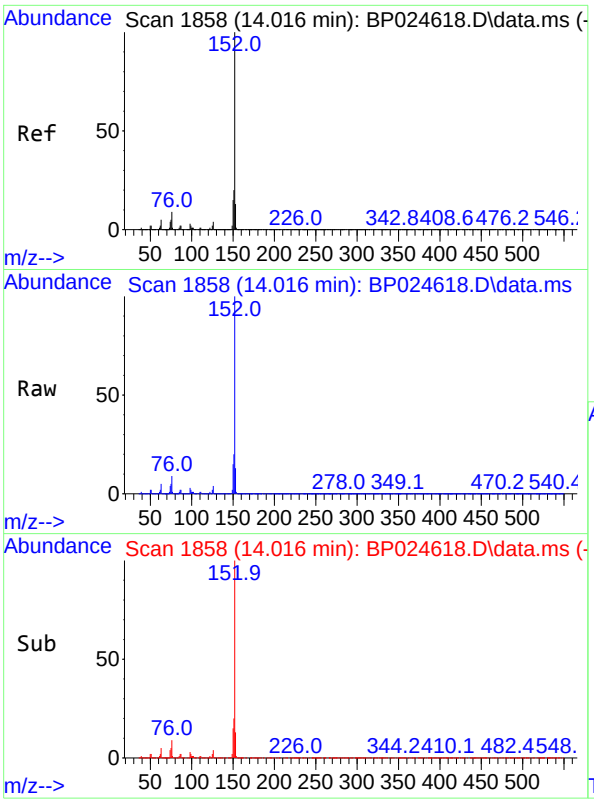


#48
2-Nitroaniline
Concen: 40.10 ng
RT: 13.375 min Scan# 1749
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 65 Resp: 242485

Ion	Ratio	Lower	Upper
65	100		
92	73.4	58.7	88.1
138	112.7	90.2	135.2

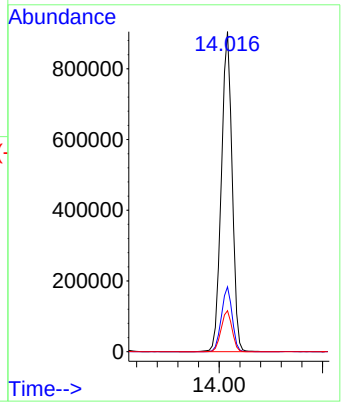




#49
Acenaphthylene
Concen: 38.26 ng
RT: 14.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:152 Resp: 130774

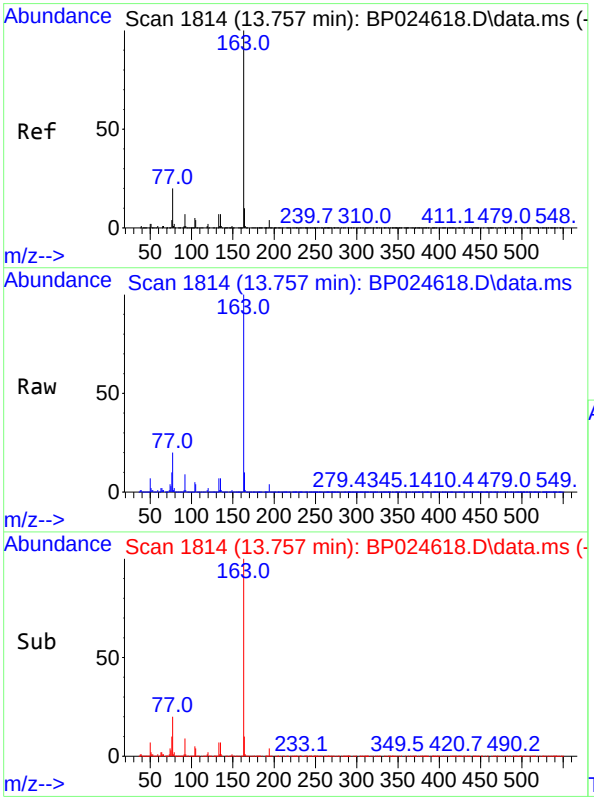
Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.4
153	12.8	10.2	15.4



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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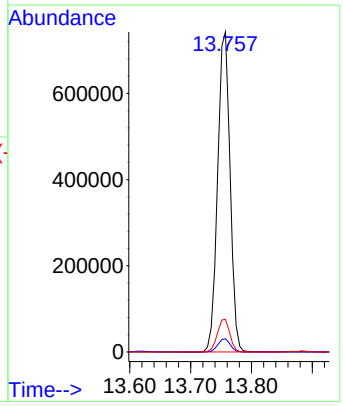
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

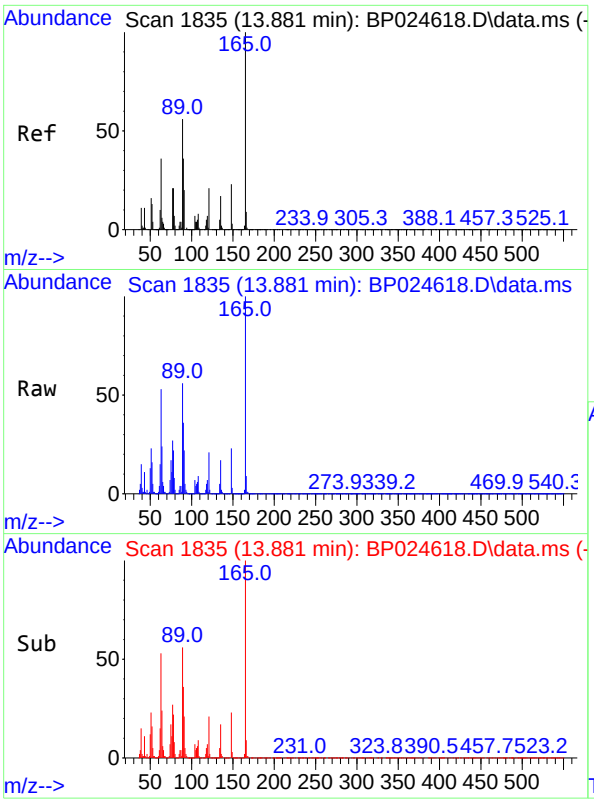


#50
Dimethylphthalate
Concen: 38.04 ng
RT: 13.757 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:163 Resp: 1051056

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.1	8.1	12.1





#51
2,6-Dinitrotoluene
Concen: 38.75 ng
RT: 13.881 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

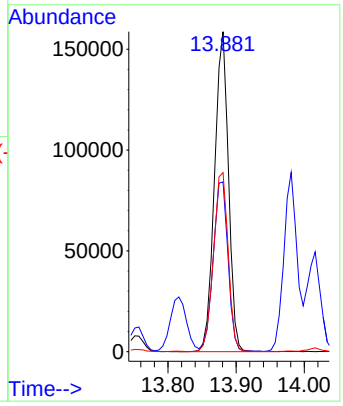
Tgt Ion:165 Resp: 22608

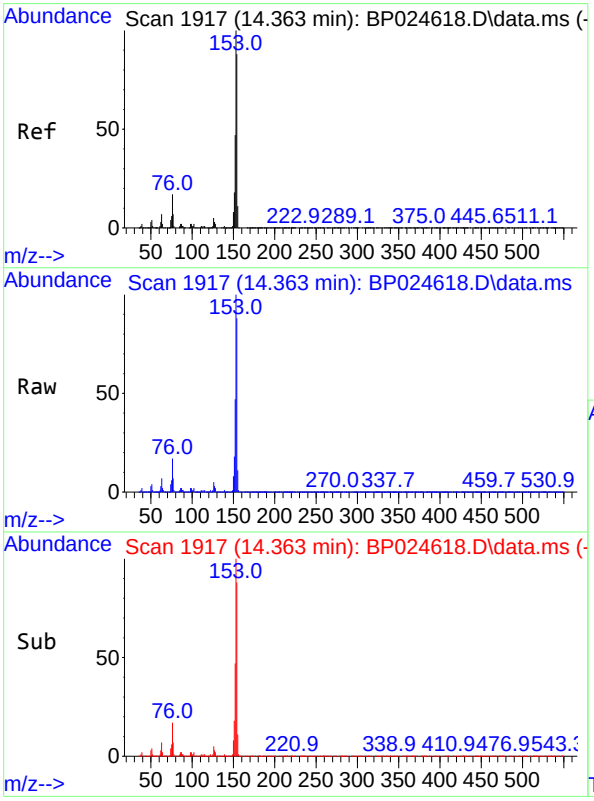
Ion	Ratio	Lower	Upper
165	100		
63	53.0	42.4	63.6
89	56.0	44.8	67.2

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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

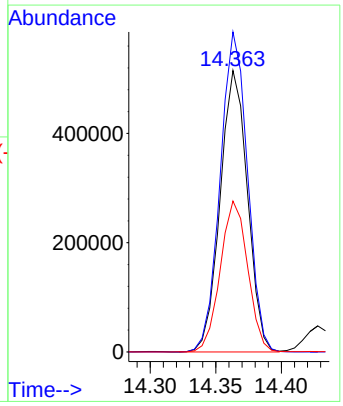


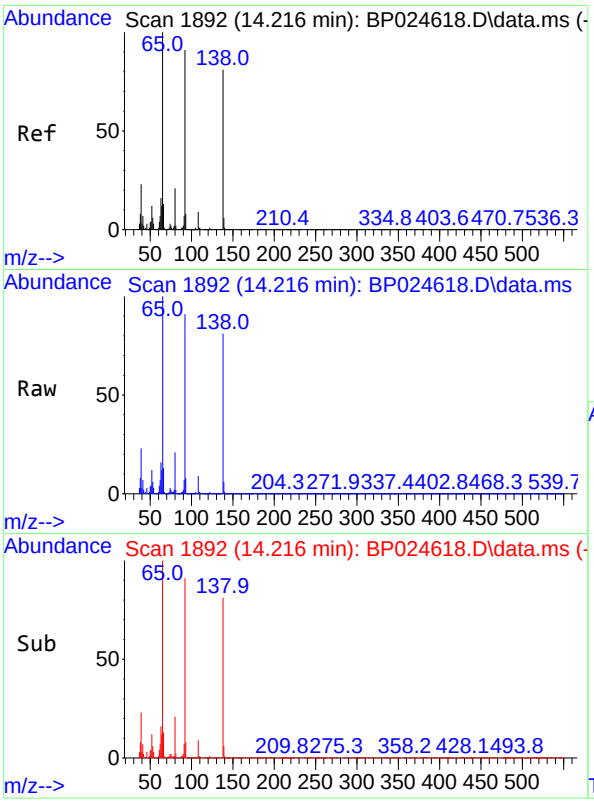


#52
Acenaphthene
Concen: 37.93 ng
RT: 14.363 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:154 Resp: 745335

Ion	Ratio	Lower	Upper
154	100		
153	113.7	91.0	136.4
152	53.6	42.9	64.3

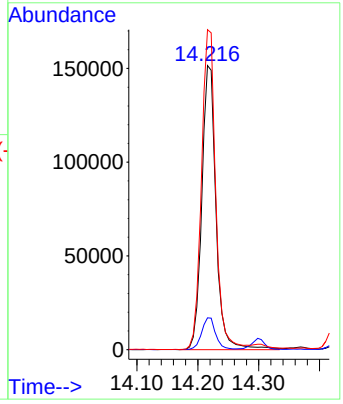




#53
3-Nitroaniline
Concen: 41.39 ng
RT: 14.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:138 Resp: 24656

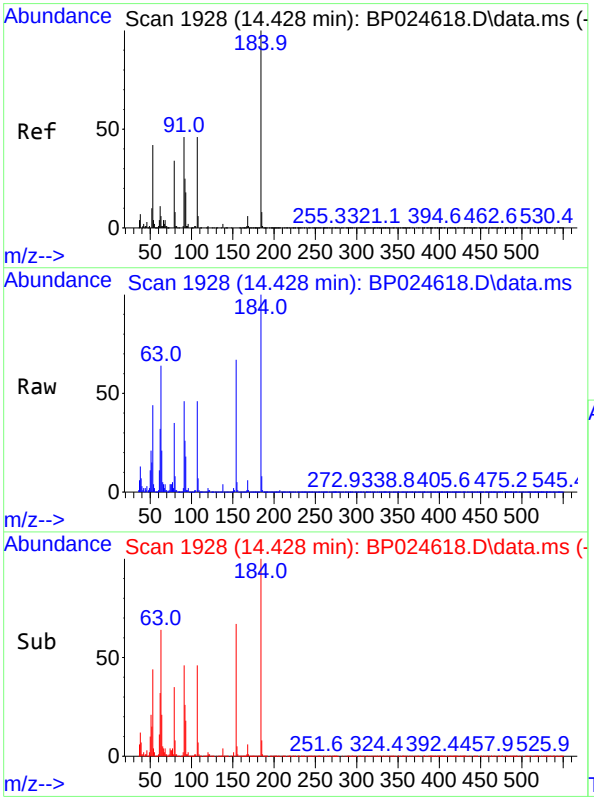
Ion	Ratio	Lower	Upper
138	100		
108	11.2	9.0	13.4
92	112.6	90.1	135.1



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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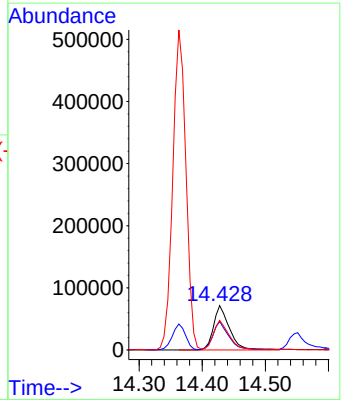
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

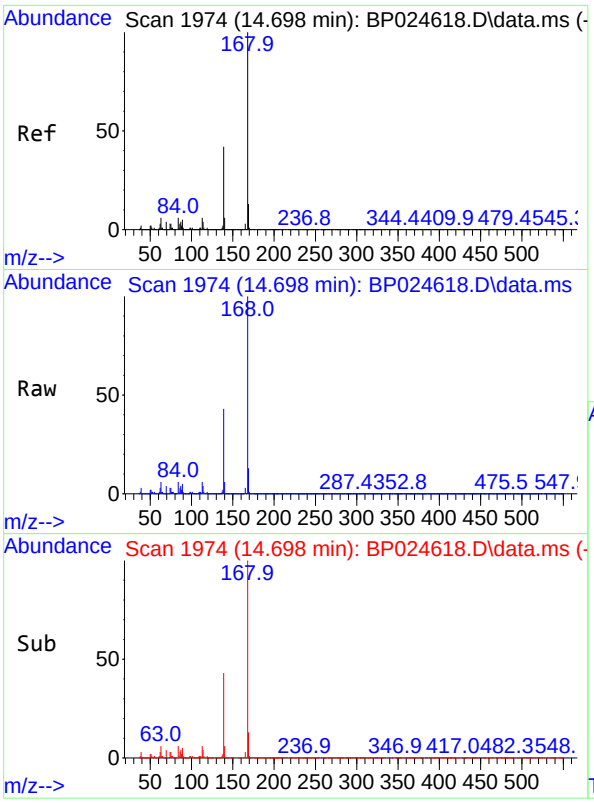


#54
2,4-Dinitrophenol
Concen: 37.54 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:184 Resp: 124517

Ion	Ratio	Lower	Upper
184	100		
63	64.1	51.3	76.9
154	66.9	53.5	80.3

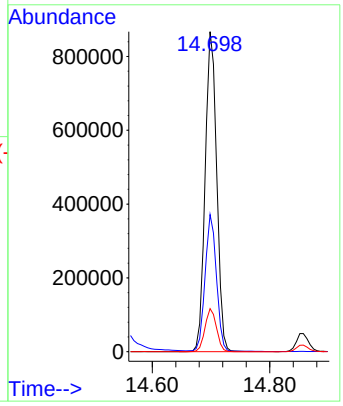




#55
Dibenzofuran
Concen: 37.77 ng
RT: 14.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:168 Resp: 118380

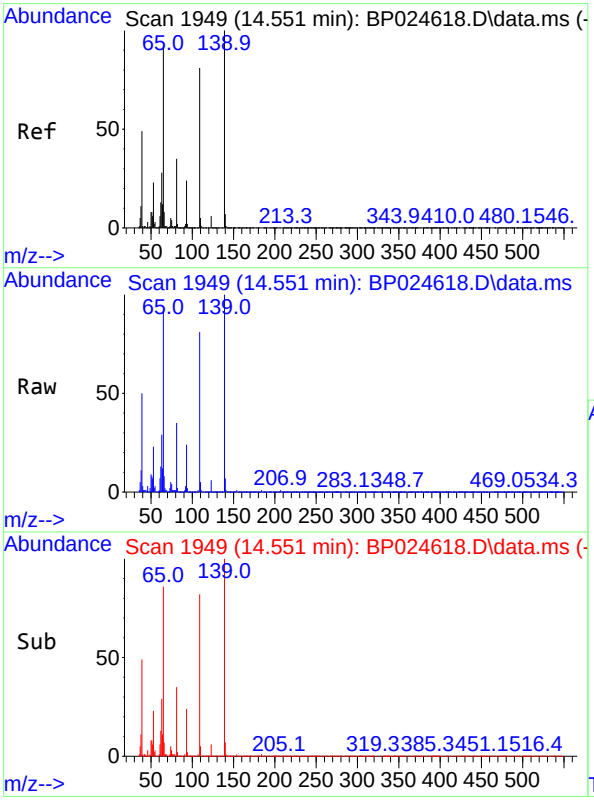
Ion	Ratio	Lower	Upper
168	100		
139	42.8	34.2	51.4
169	13.5	10.8	16.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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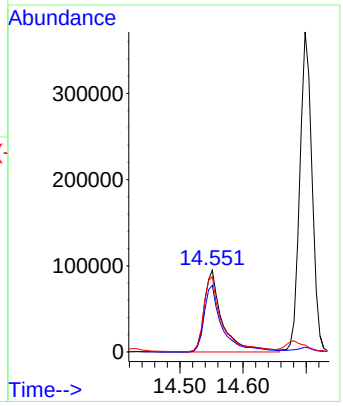
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

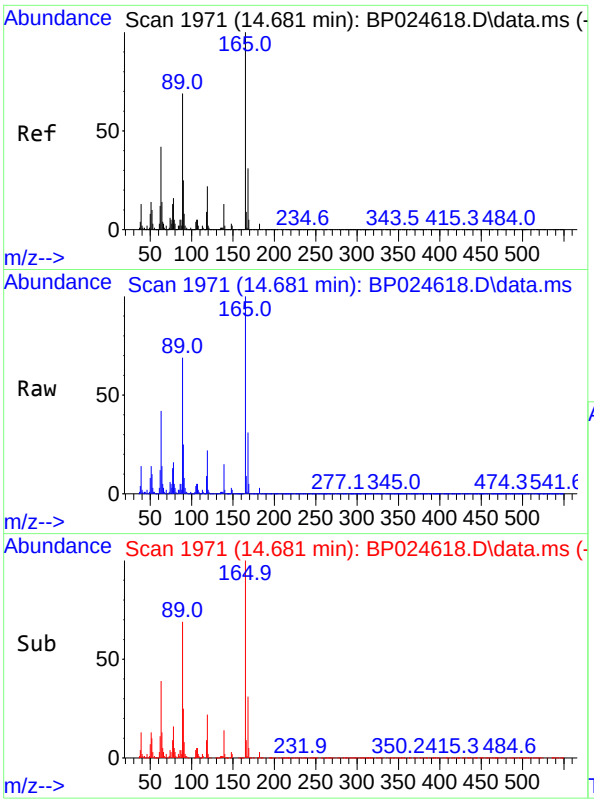


#56
4-Nitrophenol
Concen: 38.41 ng
RT: 14.551 min Scan# 1949
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:139 Resp: 186112

Ion	Ratio	Lower	Upper
139	100		
109	81.4	61.4	101.4
65	92.2	72.2	112.2

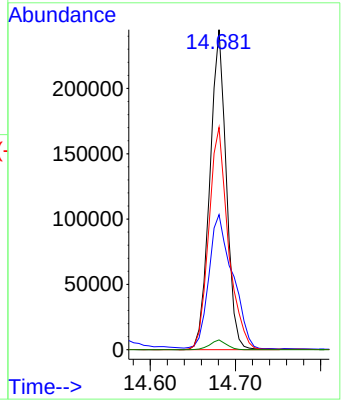




#57
2,4-Dinitrotoluene
Concen: 40.02 ng
RT: 14.681 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:165 Resp: 32915

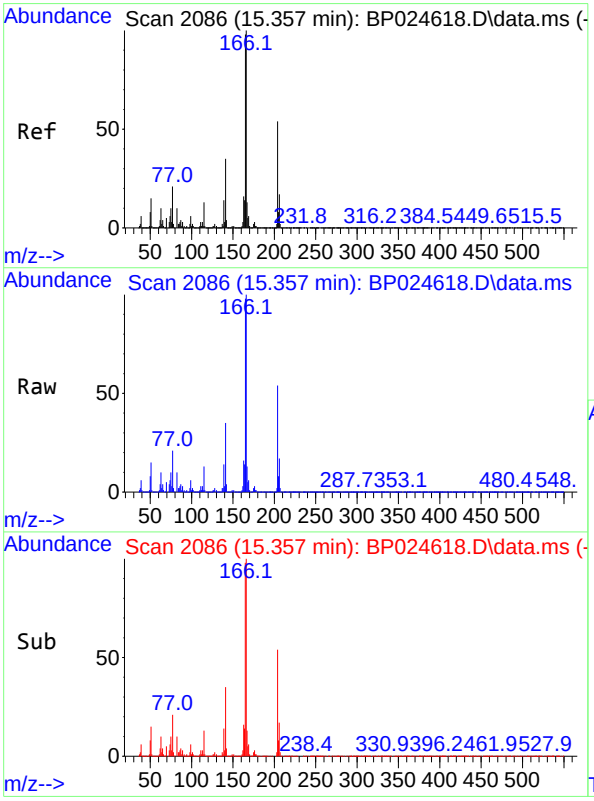
Ion	Ratio	Lower	Upper
165	100		
63	42.2	33.8	50.6
89	69.5	55.6	83.4
182	3.0	2.4	3.6



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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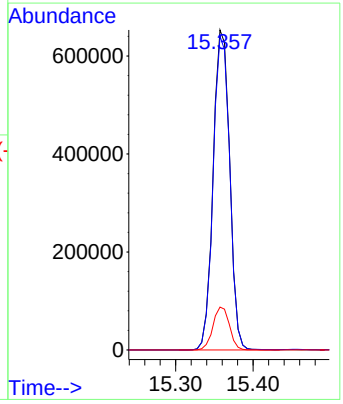
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

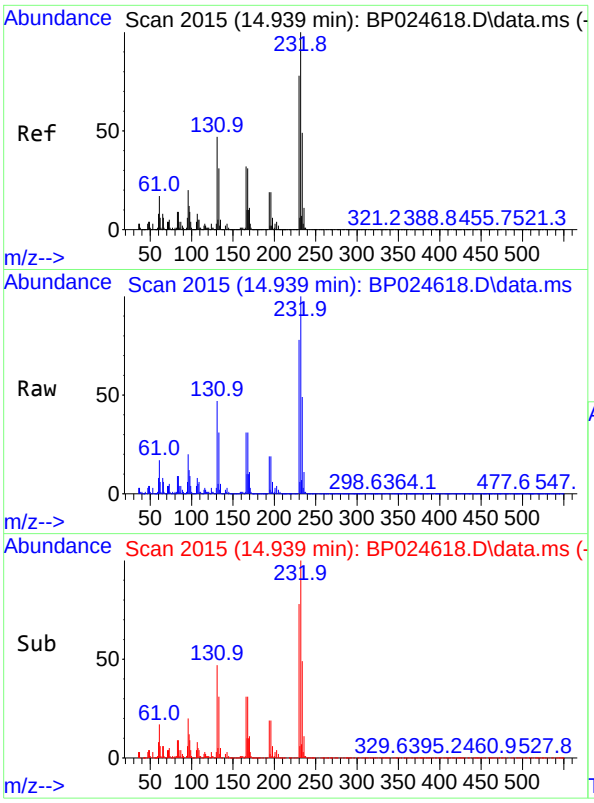


#58
Fluorene
Concen: 37.89 ng
RT: 15.357 min Scan# 2086
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:166 Resp: 968487

Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.5	117.7
167	13.4	10.7	16.1

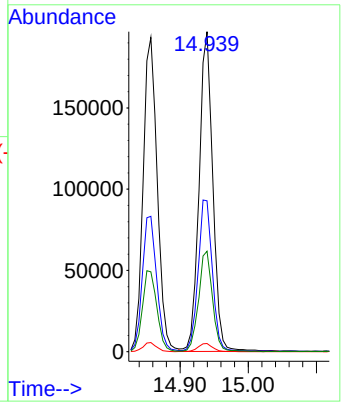




#59
2,3,4,6-Tetrachlorophenol
Concen: 38.98 ng
RT: 14.939 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:232 Resp: 27438

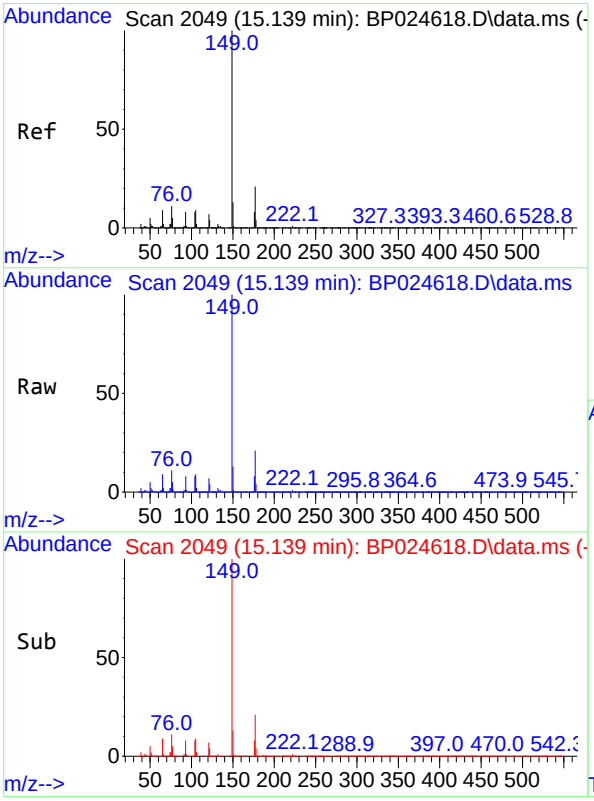
Ion	Ratio	Lower	Upper
232	100		
131	49.4	39.5	59.3
130	2.8	2.2	3.4
166	32.1	25.7	38.5



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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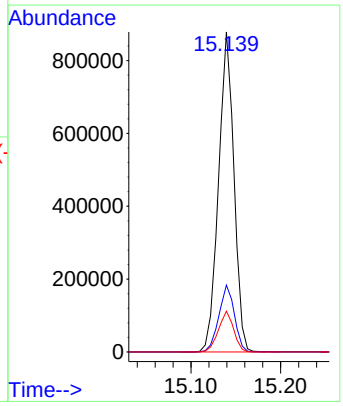
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

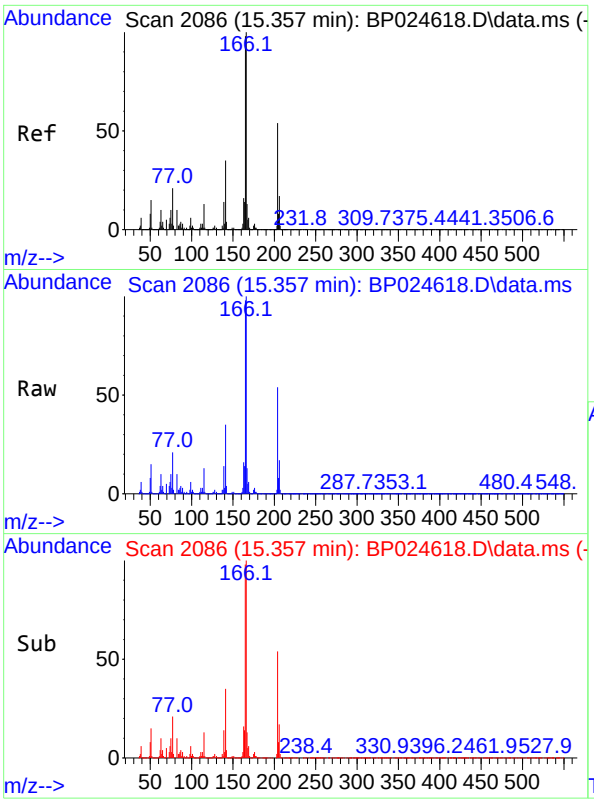


#60
Diethylphthalate
Concen: 37.48 ng
RT: 15.139 min Scan# 2049
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:149 Resp: 1046478

Ion	Ratio	Lower	Upper
149	100		
177	20.9	16.7	25.1
150	12.7	10.2	15.2

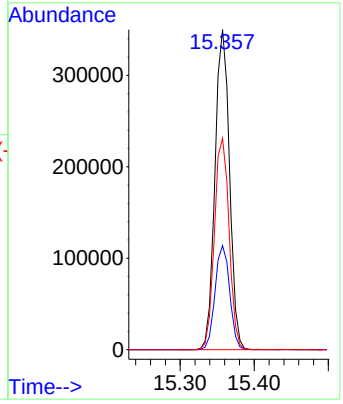




#61
4-Chlorophenyl-phenylether
Concen: 37.29 ng
RT: 15.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:204 Resp: 47532

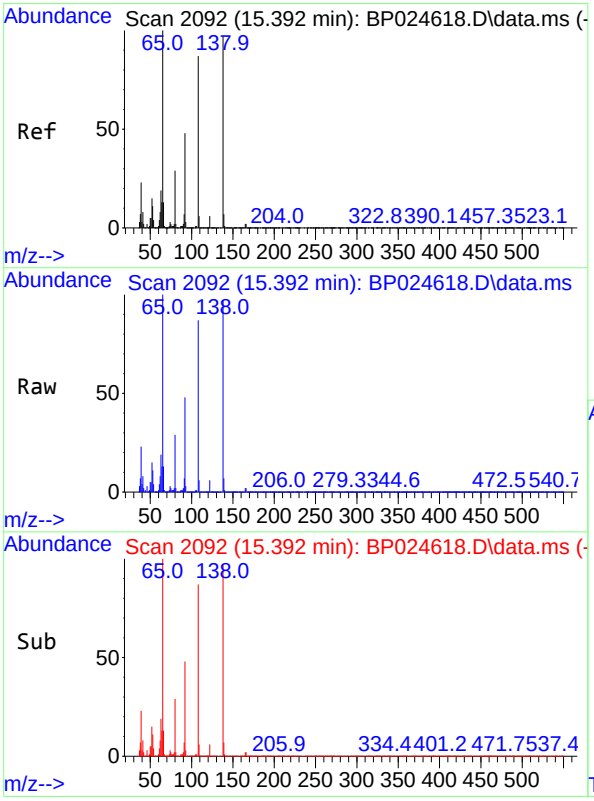
Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.0	39.0
141	66.1	52.9	79.3



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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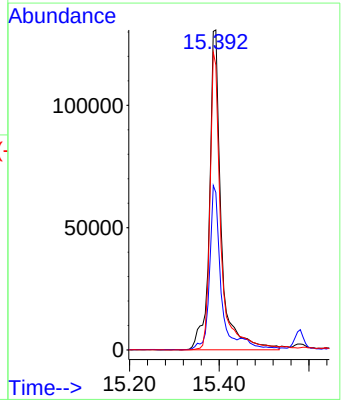
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

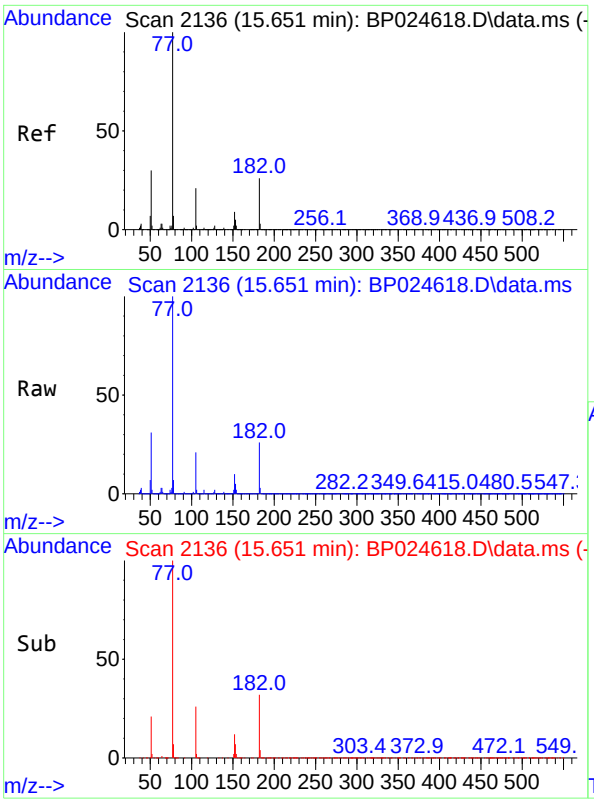


#62
4-Nitroaniline
Concen: 41.24 ng
RT: 15.392 min Scan# 2092
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:138 Resp: 239212

Ion	Ratio	Lower	Upper
138	100		
92	49.2	29.2	69.2
108	89.0	69.0	109.0

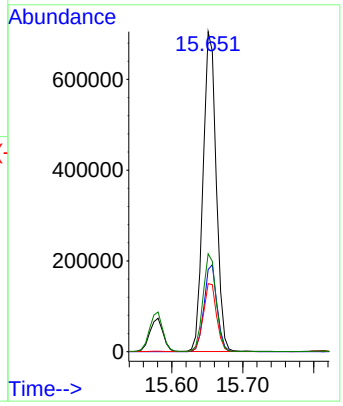




#63
Azobenzene
Concen: 37.94 ng
RT: 15.651 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 77 Resp: 90627

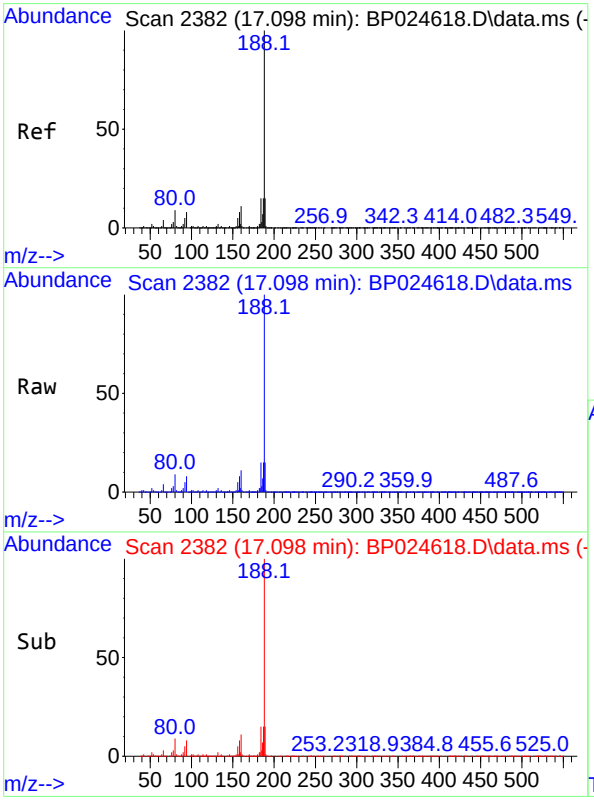
Ion	Ratio	Lower	Upper
77	100		
182	25.7	5.7	45.7
105	21.3	1.3	41.3
51	30.6	10.6	50.6



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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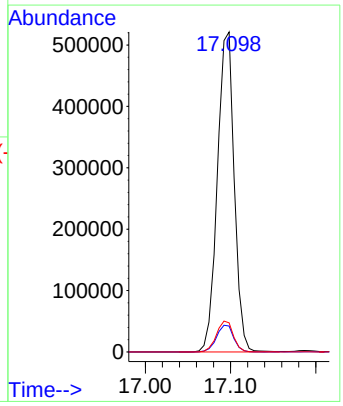
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

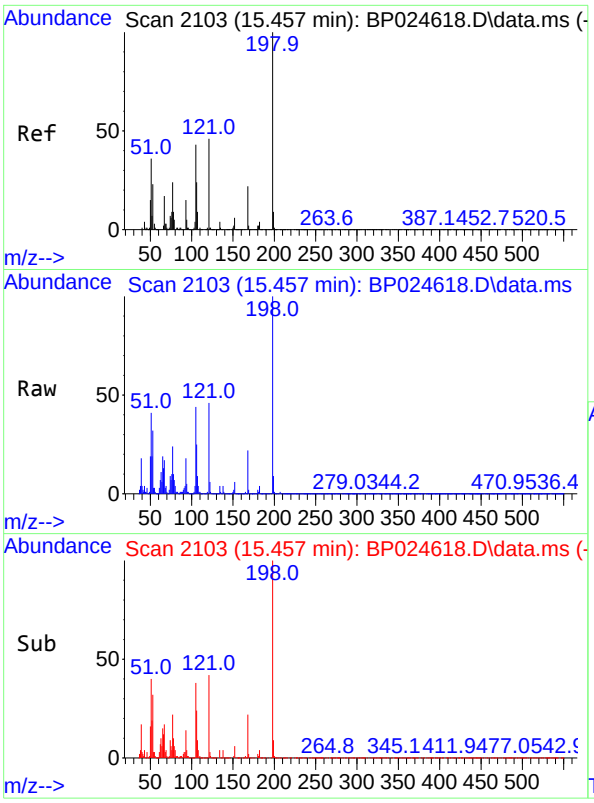


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.098 min Scan# 2382
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:188 Resp: 717362

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.5	9.7
80	9.1	7.3	10.9





#65
4,6-Dinitro-2-methylphenol
Concen: 39.84 ng
RT: 15.457 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

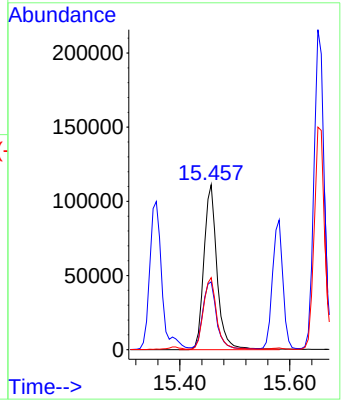
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

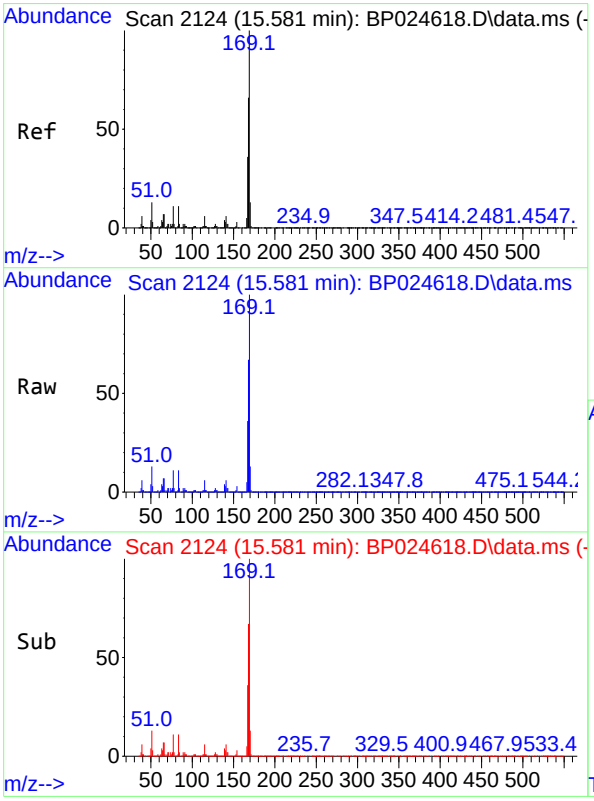
Tgt Ion:198 Resp: 18459

Ion	Ratio	Lower	Upper
198	100		
51	41.1	21.1	61.1
105	43.6	23.6	63.6

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Supervised By :Jagrut Upadhyay 05/14/2025

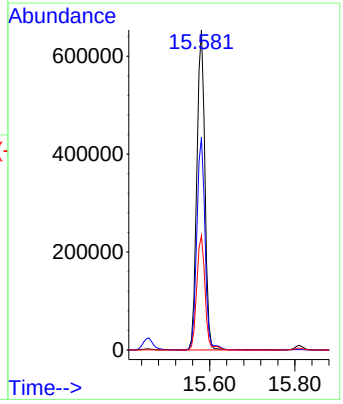


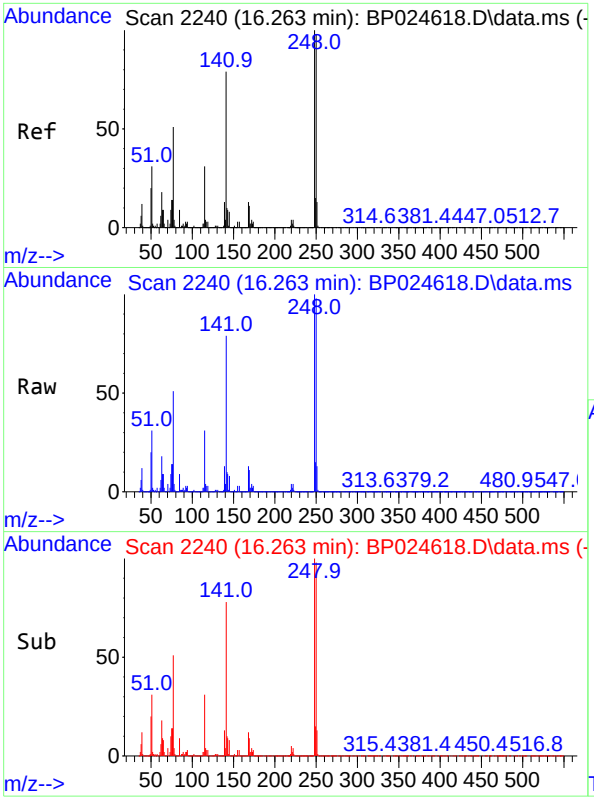


#66
n-Nitrosodiphenylamine
Concen: 38.63 ng
RT: 15.581 min Scan# 2124
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:169 Resp: 851188

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.2	79.8
167	35.8	28.6	43.0





#67
4-Bromophenyl-phenylether
Concen: 38.28 ng
RT: 16.263 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

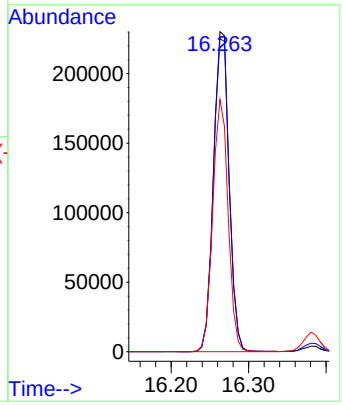
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

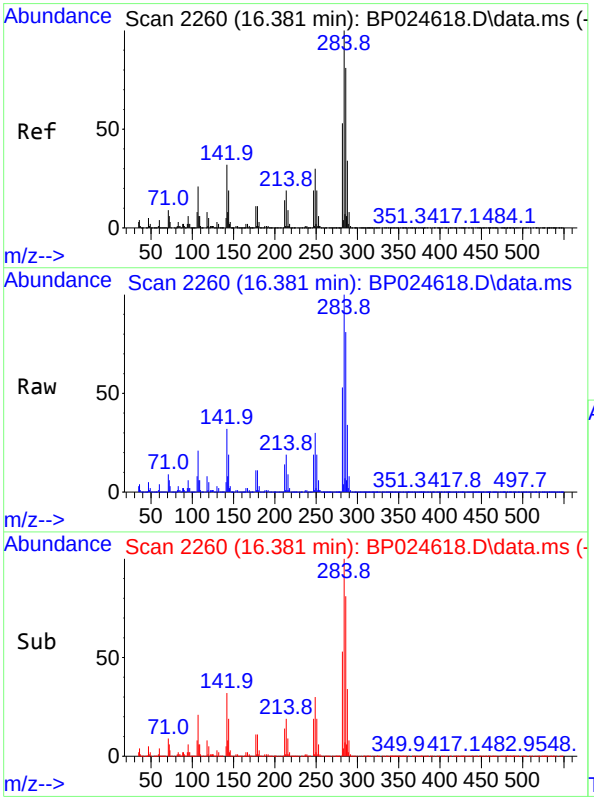
Tgt Ion:248 Resp: 32355

Ion	Ratio	Lower	Upper
248	100		
250	97.8	78.2	117.4
141	78.8	63.0	94.6

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

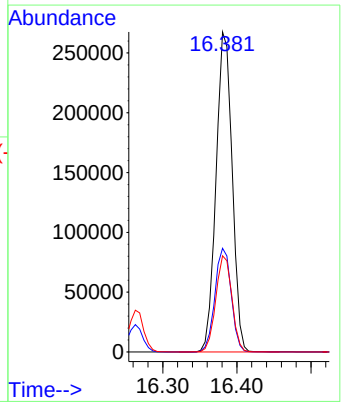


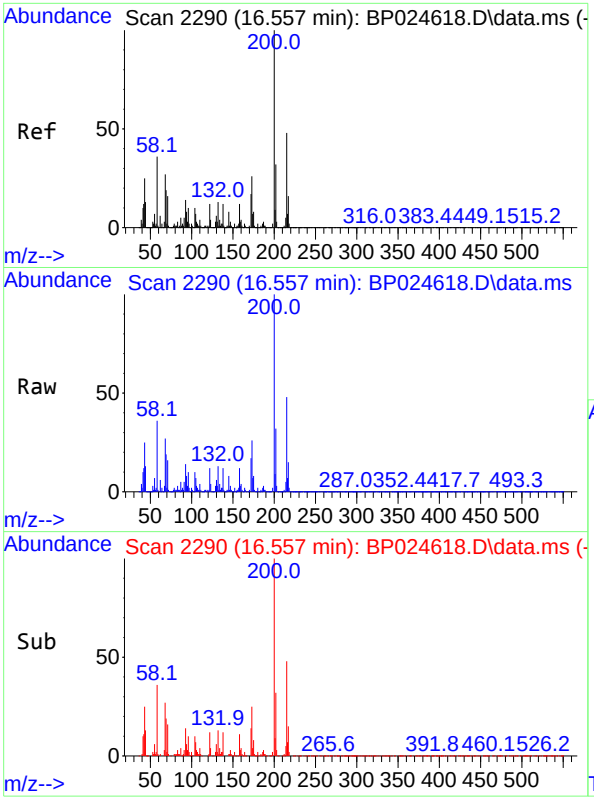


#68
Hexachlorobenzene
Concen: 37.60 ng
RT: 16.381 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:284 Resp: 403916

Ion	Ratio	Lower	Upper
284	100		
142	32.4	25.9	38.9
249	30.1	24.1	36.1

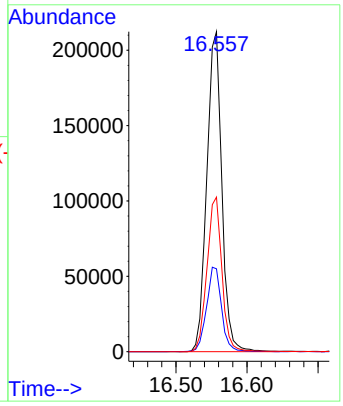




#69
Atrazine
Concen: 38.67 ng
RT: 16.557 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:200 Resp: 31222

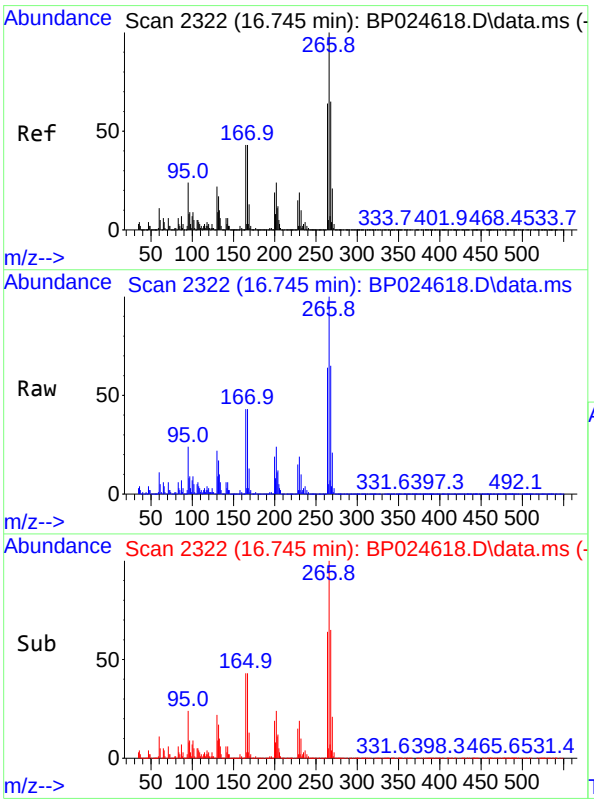
Ion	Ratio	Lower	Upper
200	100		
173	25.9	5.9	45.9
215	48.3	28.3	68.3



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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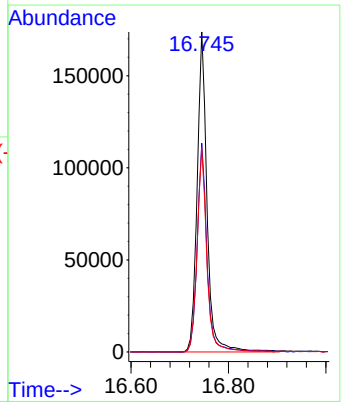
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

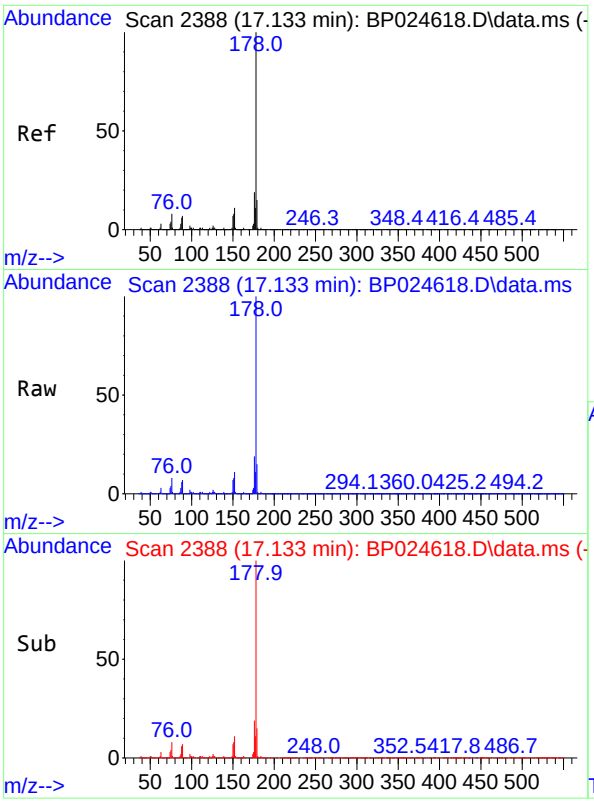


#70
Pentachlorophenol
Concen: 40.91 ng
RT: 16.745 min Scan# 2322
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:266 Resp: 246828

Ion	Ratio	Lower	Upper
266	100		
268	65.3	52.2	78.4
264	63.9	51.1	76.7

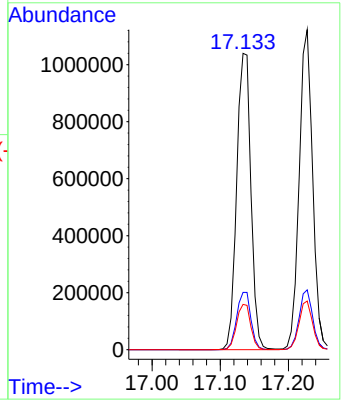




#71
Phenanthrene
Concen: 37.80 ng
RT: 17.133 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:178 Resp: 150760

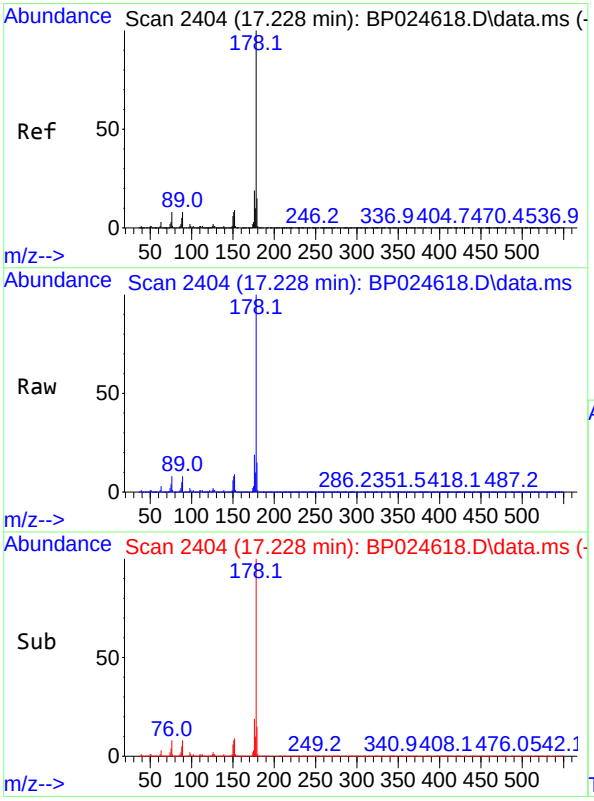
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.3	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

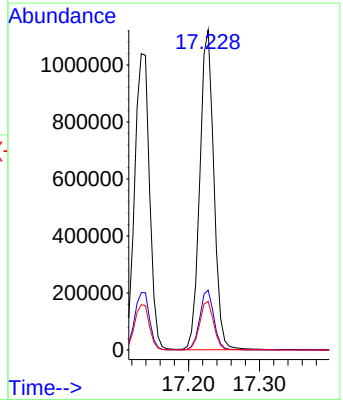
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

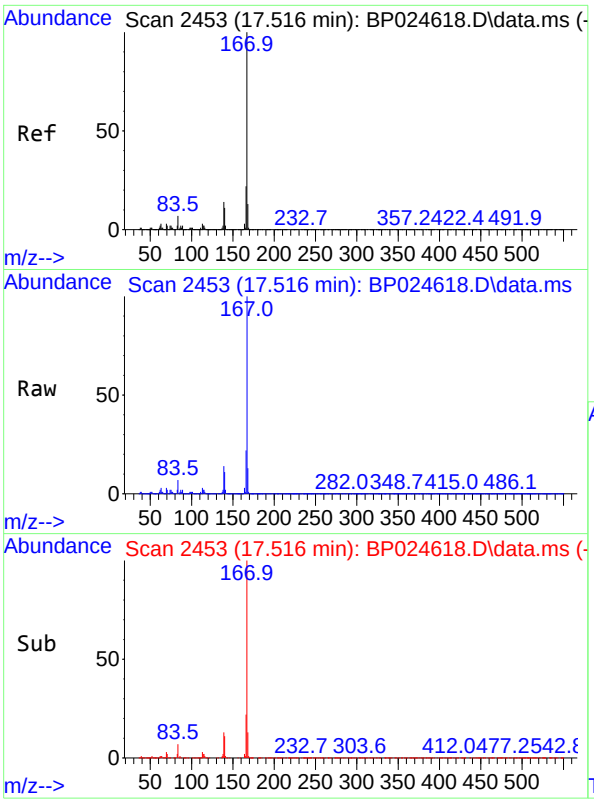


#72
Anthracene
Concen: 38.44 ng
RT: 17.228 min Scan# 2404
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:178 Resp: 1542275

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.2	12.2	18.2

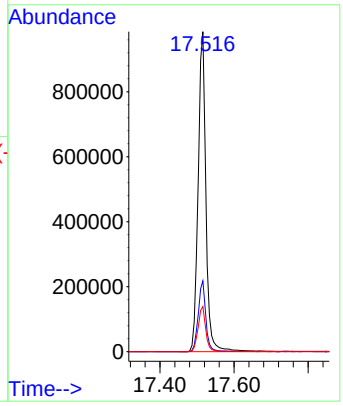




#73
Carbazole
Concen: 39.55 ng
RT: 17.516 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:167 Resp: 143629

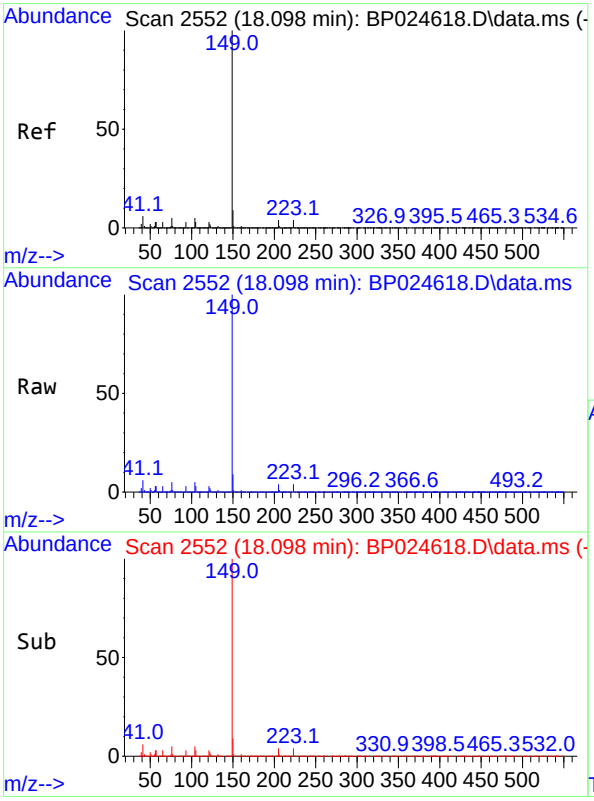
Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.7	26.5
139	14.1	11.3	16.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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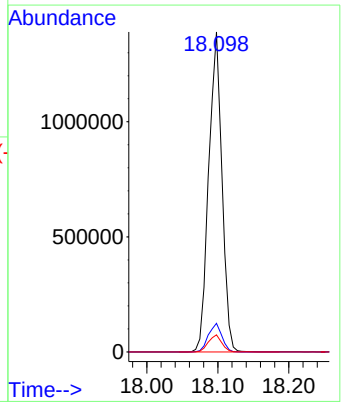
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

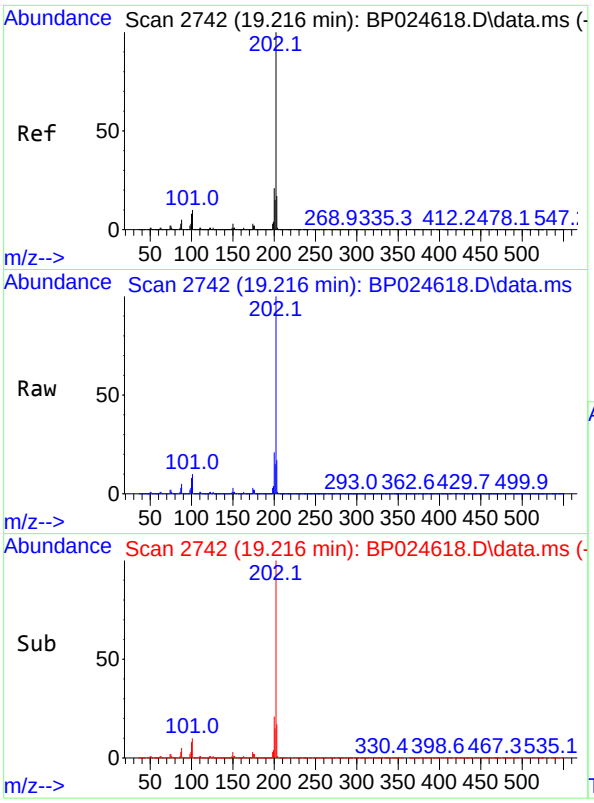


#74
Di-n-butylphthalate
Concen: 38.69 ng
RT: 18.098 min Scan# 2552
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:149 Resp: 1807097

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.2	10.8
104	5.4	4.3	6.5

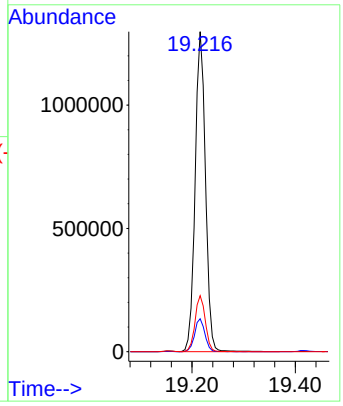




#75
Fluoranthene
Concen: 38.49 ng
RT: 19.216 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:202 Resp: 179404

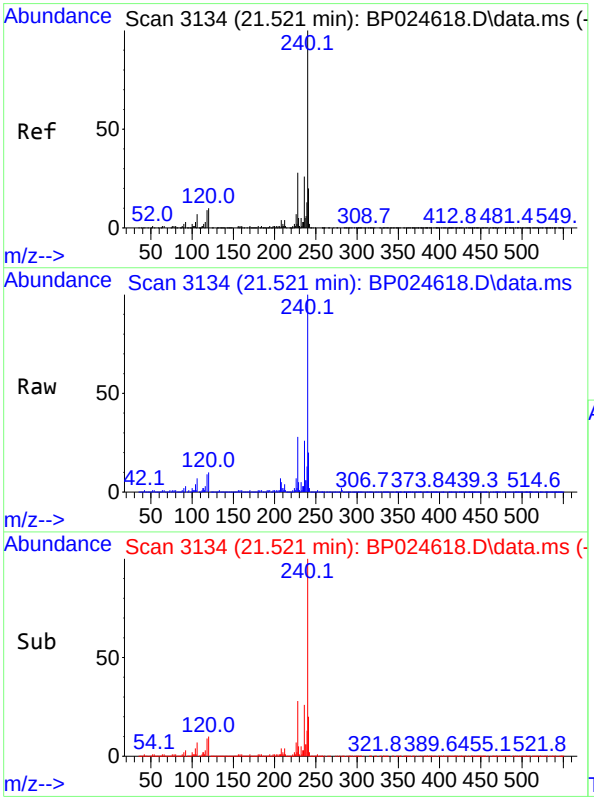
Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	30.3
203	17.5	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

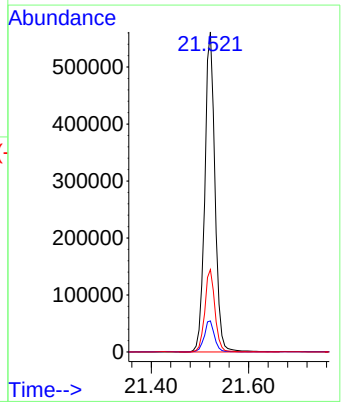
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

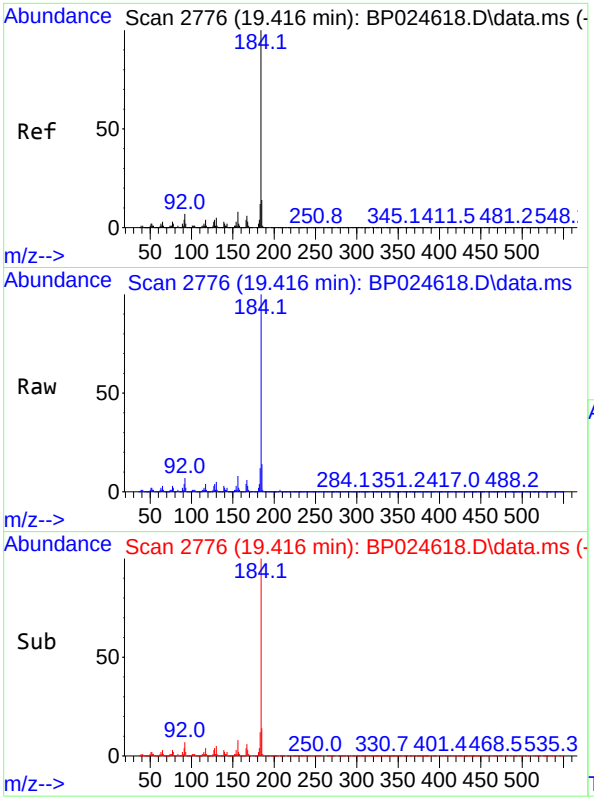


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.521 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:240 Resp: 810498

Ion	Ratio	Lower	Upper
240	100		
120	9.7	7.8	11.6
236	25.8	20.6	31.0

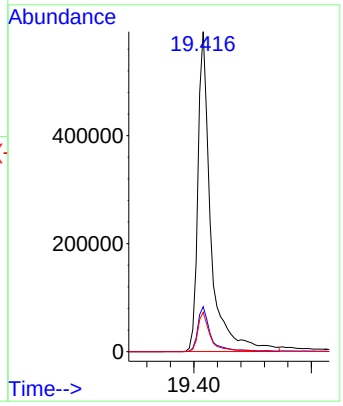




#77
Benzidine
Concen: 40.77 ng
RT: 19.416 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:184 Resp: 90710

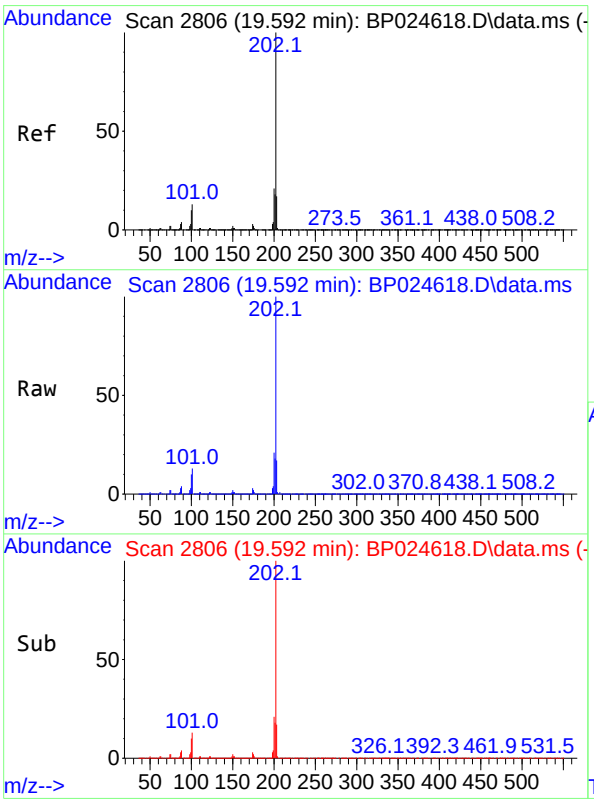
Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.2	16.8
183	12.3	9.8	14.8



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

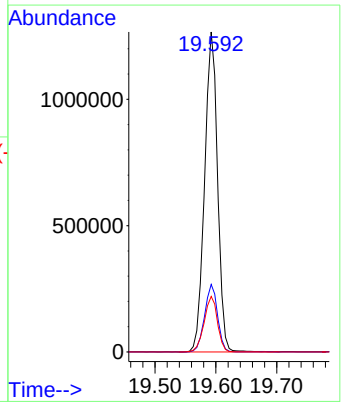
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

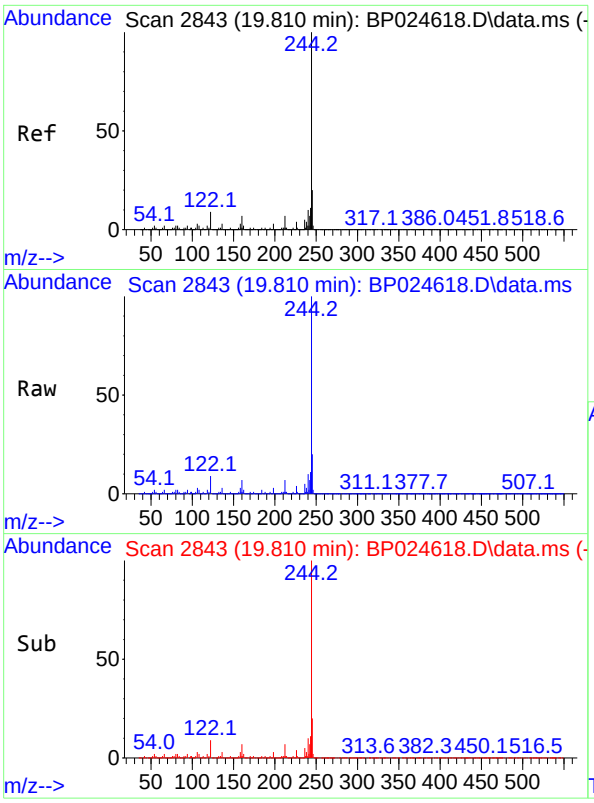


#78
Pyrene
Concen: 38.50 ng
RT: 19.592 min Scan# 2806
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:202 Resp: 1869519

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	17.4	13.9	20.9

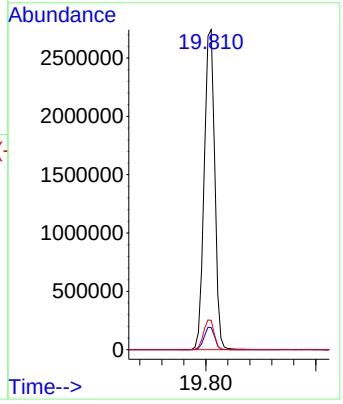




#79
Terphenyl-d14
Concen: 77.18 ng
RT: 19.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:244 Resp: 364796

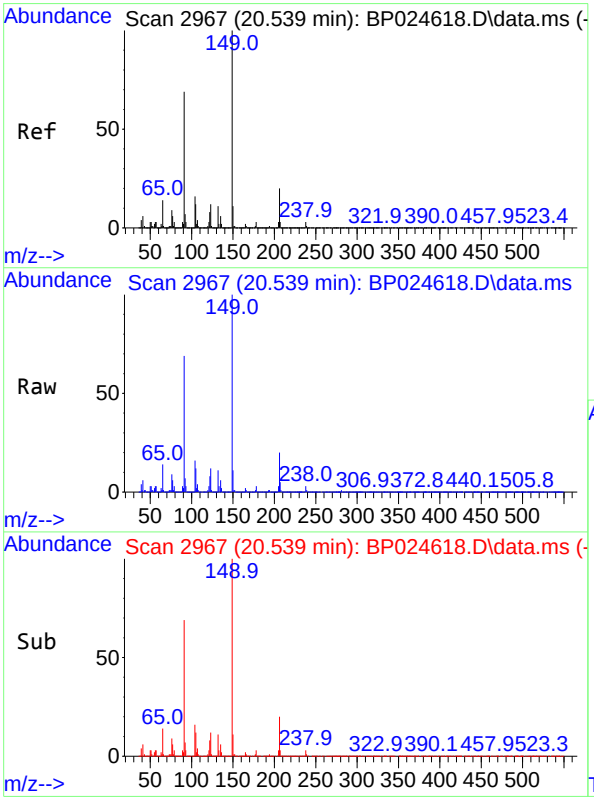
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	9.2	7.4	11.0



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

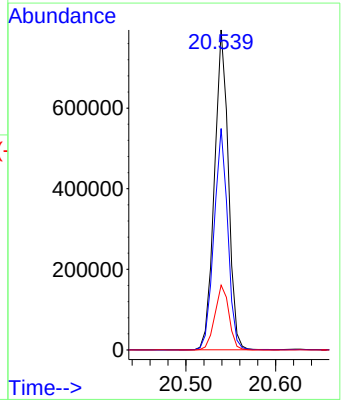
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

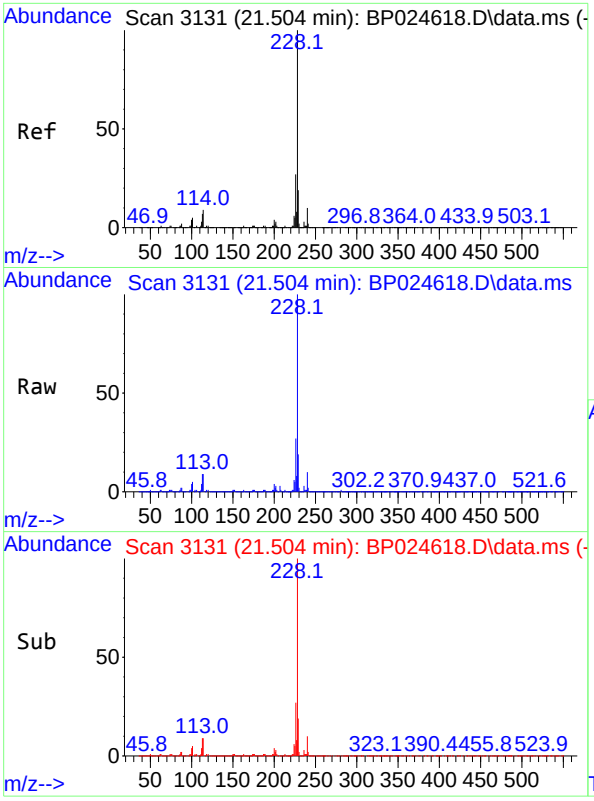


#80
Butylbenzylphthalate
Concen: 39.58 ng
RT: 20.539 min Scan# 2967
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:149 Resp: 854913

Ion	Ratio	Lower	Upper
149	100		
91	69.2	55.4	83.0
206	20.2	16.2	24.2

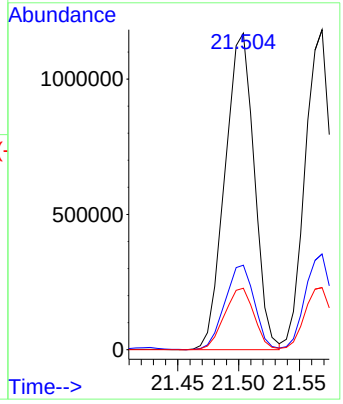




#81
Benzo(a)anthracene
Concen: 38.47 ng
RT: 21.504 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:228 Resp: 195763

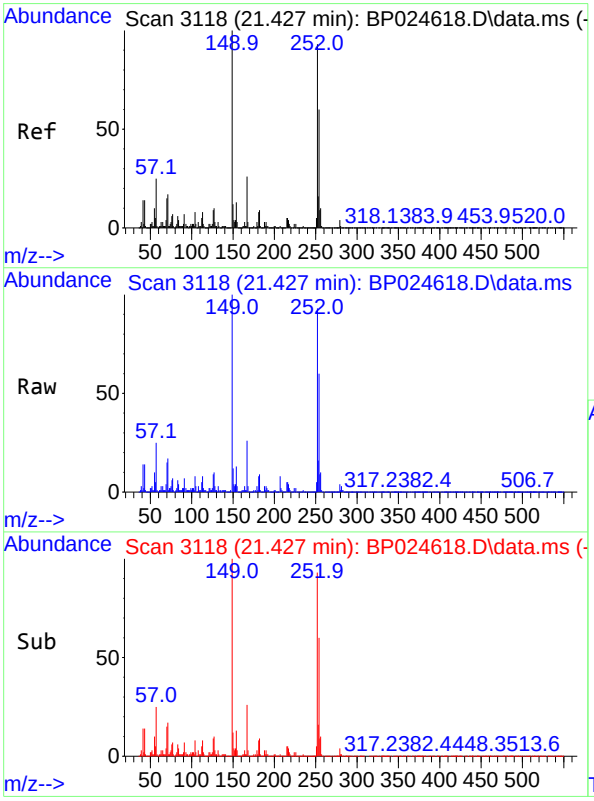
Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.4	32.0
229	19.4	15.5	23.3



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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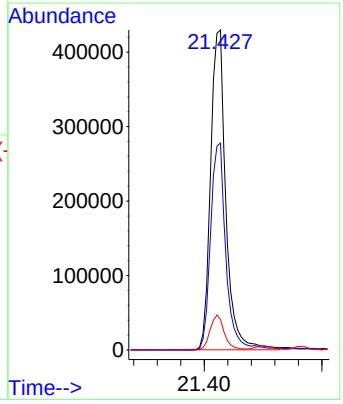
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

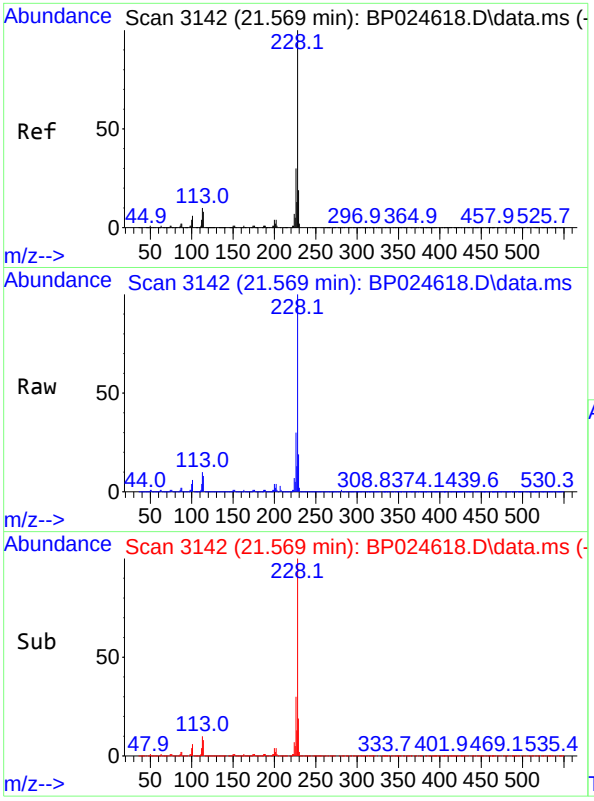


#82
3,3'-Dichlorobenzidine
Concen: 40.94 ng
RT: 21.427 min Scan# 3118
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:252 Resp: 773866

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.8	77.6
126	9.6	7.7	11.5

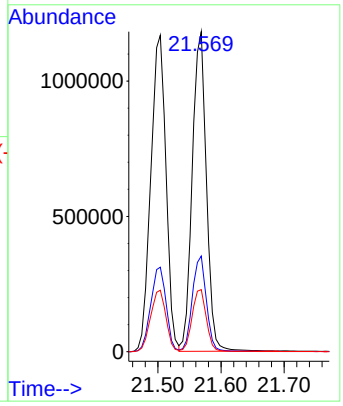




#83
Chrysene
Concen: 38.01 ng
RT: 21.569 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:228 Resp: 183395

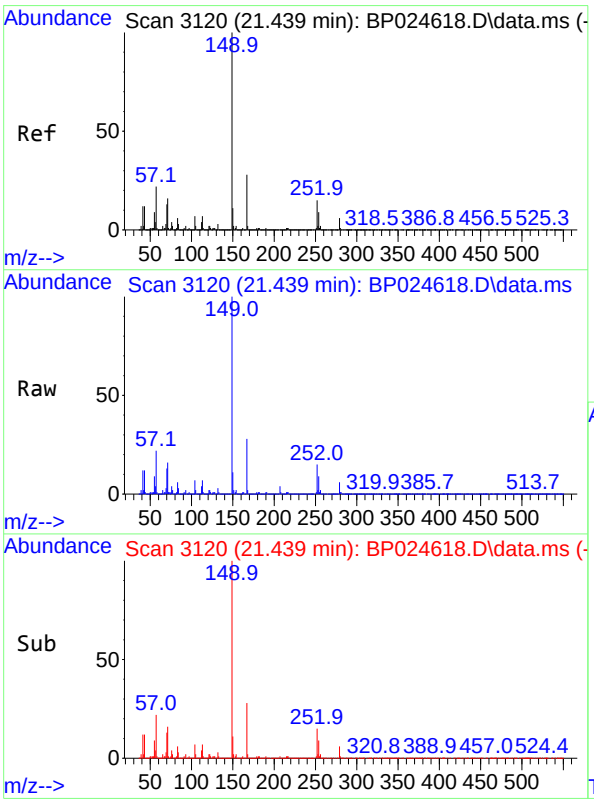
Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.9	35.9
229	19.4	15.5	23.3



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

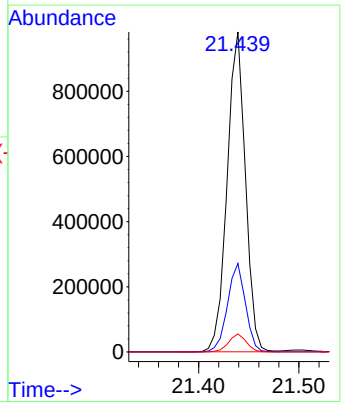
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

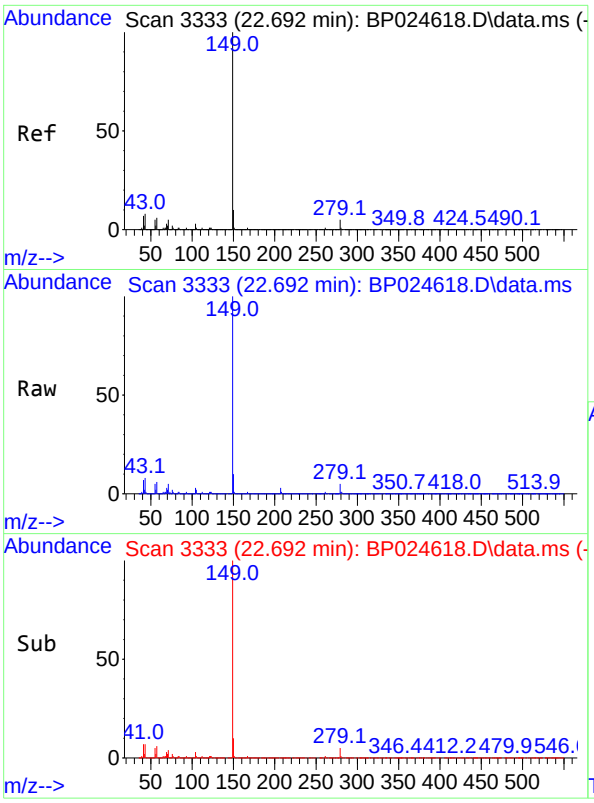


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.09 ng
RT: 21.439 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:149 Resp: 1240956

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.1	33.1
279	5.7	4.6	6.8





#85
Di-n-octyl phthalate
Concen: 39.97 ng
RT: 22.692 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

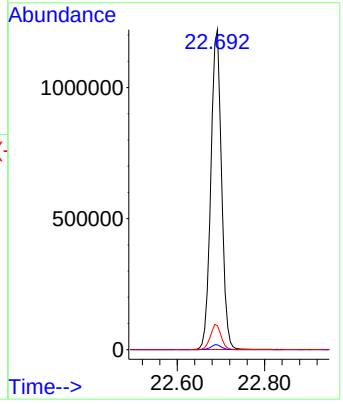
Tgt Ion:149 Resp: 207469

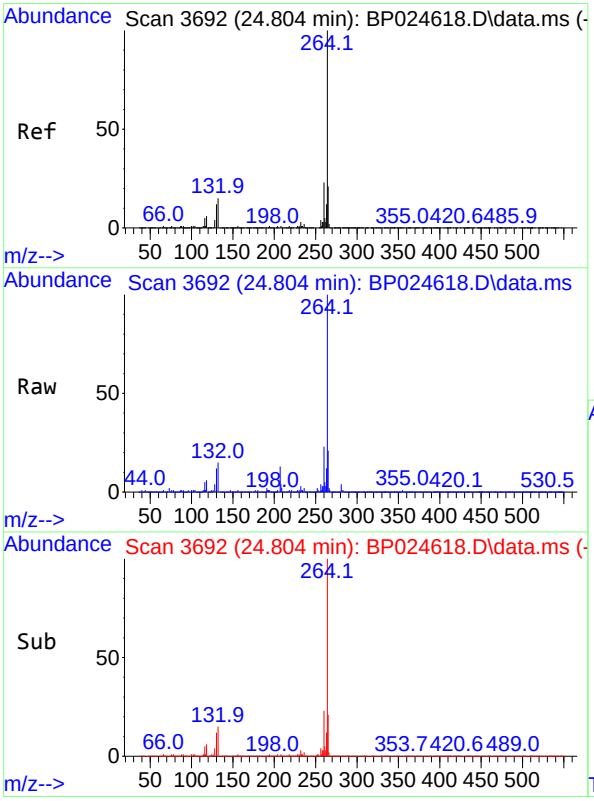
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	7.9	6.3	9.5

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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

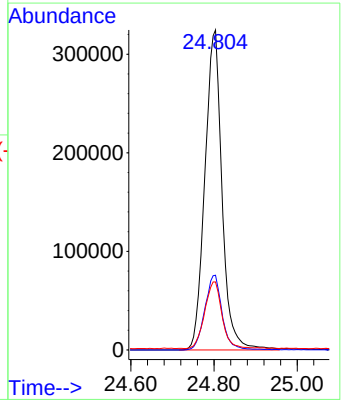


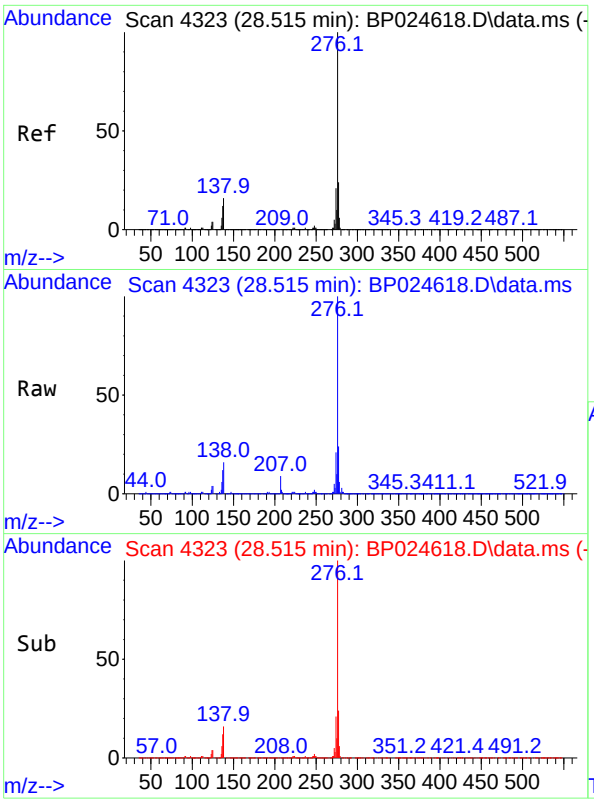


#86
Perylene-d12
Concen: 20.00 ng
RT: 24.804 min Scan# 3692
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:264 Resp: 929890

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	21.3	17.0	25.6

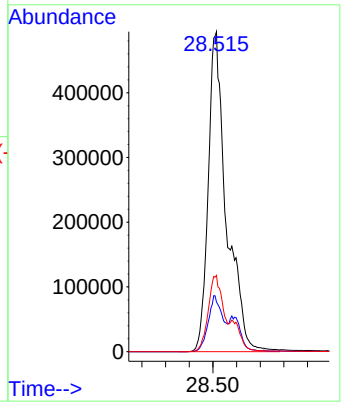




#87
Indeno(1,2,3-cd)pyrene
Concen: 39.00 ng
RT: 28.515 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:276 Resp: 264864

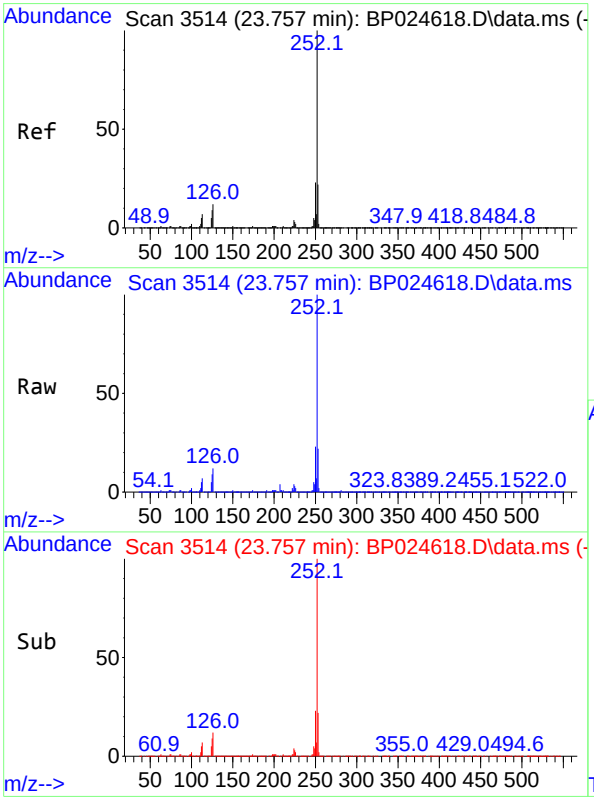
Ion	Ratio	Lower	Upper
276	100		
138	14.0	11.2	16.8
277	19.6	15.7	23.5



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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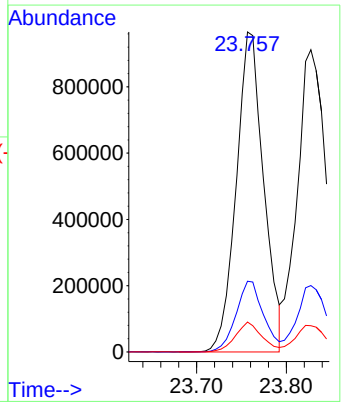
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

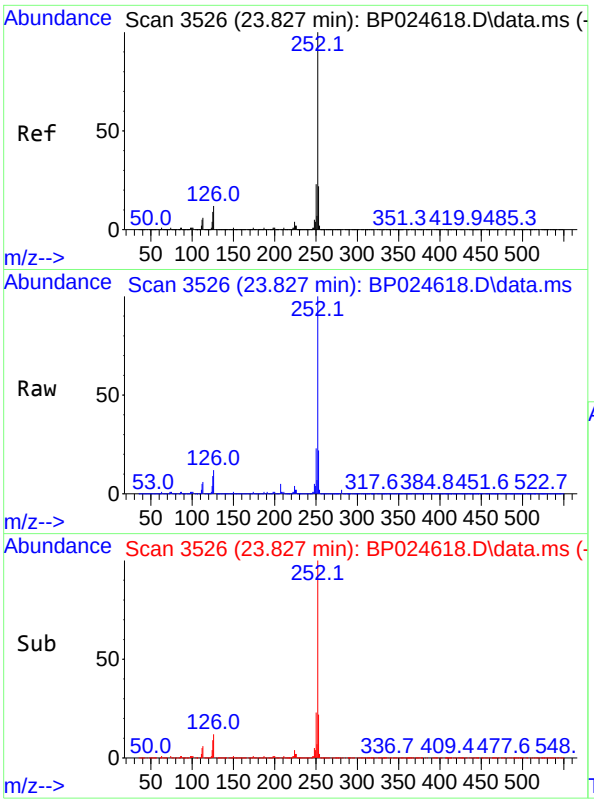


#88
Benzo(b)fluoranthene
Concen: 38.53 ng
RT: 23.757 min Scan# 3514
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:252 Resp: 2050806

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.4	7.5	11.3

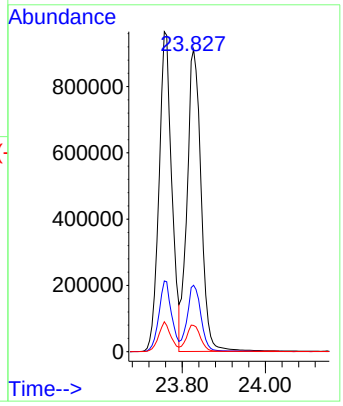




#89
Benzo(k)fluoranthene
Concen: 38.67 ng
RT: 23.827 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:252 Resp: 212072

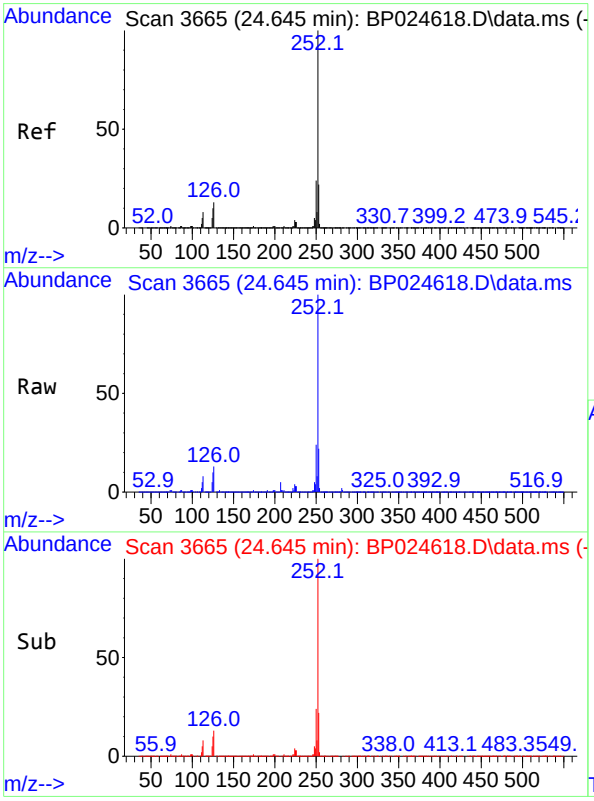
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	8.7	7.0	10.4



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

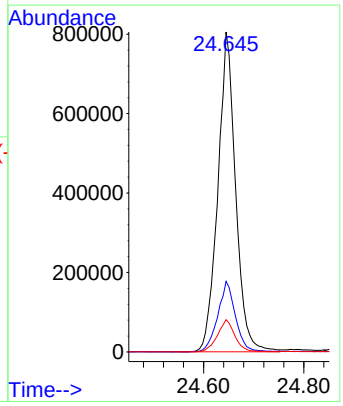
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

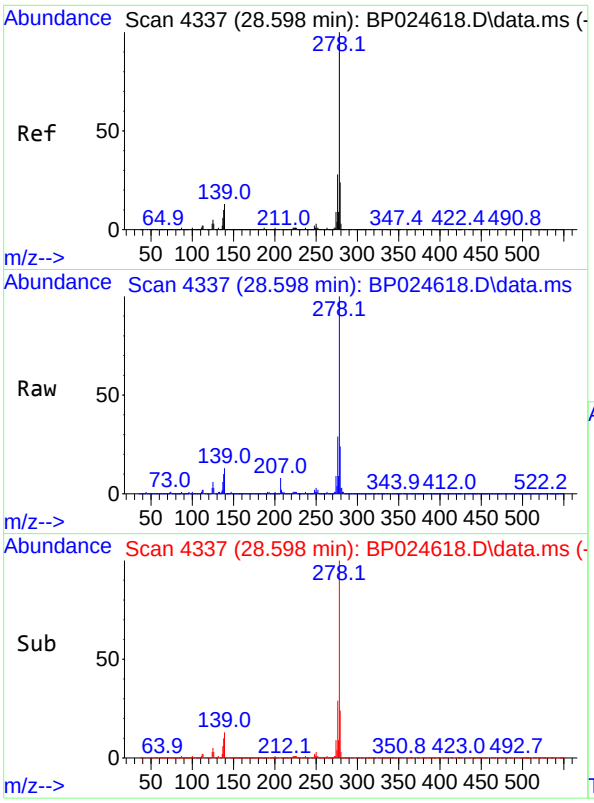


#90
Benzo(a)pyrene
Concen: 38.71 ng
RT: 24.645 min Scan# 3665
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:252 Resp: 1979017

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	10.1	8.1	12.1

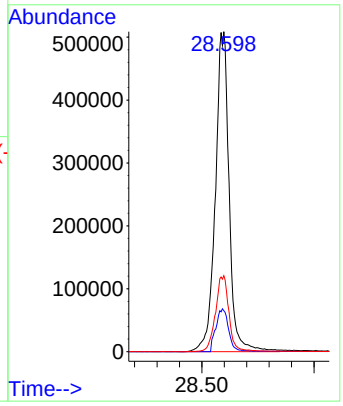




#91
Dibenzo(a,h)anthracene
Concen: 39.30 ng
RT: 28.598 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:278 Resp: 217071

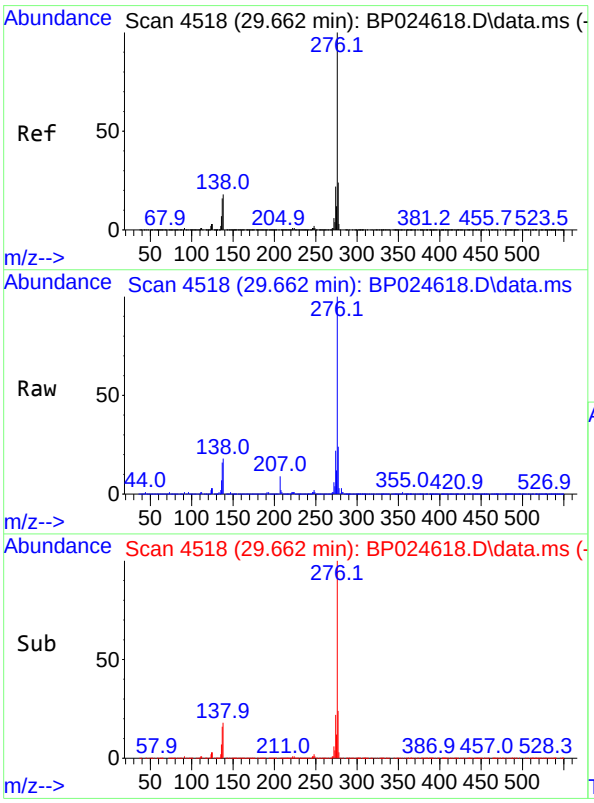
Ion	Ratio	Lower	Upper
278	100		
139	12.8	10.2	15.4
279	23.7	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

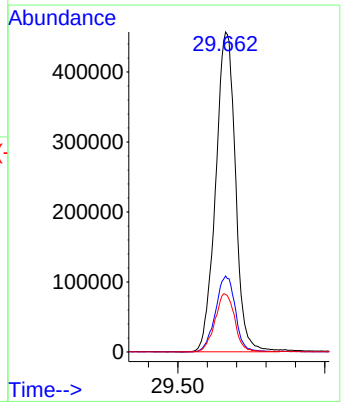
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025



#92
Benzo(g,h,i)perylene
Concen: 38.84 ng
RT: 29.662 min Scan# 4518
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:276 Resp: 2132921

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.4
138	18.0	14.4	21.6



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024619.D
Acq On : 13 May 2025 14:05
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: May 13 16:07:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.663	152	111395	20.00	ng		0.00
21) Naphthalene-d8	10.434	136	489806	20.00	ng		0.00
39) Acenaphthene-d10	14.292	164	318760	20.00	ng		-0.01
64) Phenanthrene-d10	17.086	188	628781	20.00	ng		-0.01
76) Chrysene-d12	21.522	240	717340	20.00	ng		0.00
86) Perylene-d12	24.810	264	811421	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.287	112	708626	108.80	ng		0.00
7) Phenol-d6	6.852	99	930484	111.94	ng		0.00
23) Nitrobenzene-d5	8.810	82	1049445	108.26	ng		0.00
42) 2,4,6-Tribromophenol	15.810	330	587523	108.72	ng		0.00
45) 2-Fluorobiphenyl	12.904	172	2553765	104.96	ng		0.00
79) Terphenyl-d14	19.822	244	4398872	105.15	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.228	88	156571	51.20	ng		98
3) Pyridine	3.622	79	379522	55.97	ng		99
4) n-Nitrosodimethylamine	3.534	42	161654	54.00	ng		99
6) Aniline	7.005	93	593141	55.27	ng		99
8) 2-Chlorophenol	7.240	128	408016	55.19	ng		99
9) Benzaldehyde	6.822	77	290405	54.06	ng		100
10) Phenol	6.881	94	475413	55.41	ng		99
11) bis(2-Chloroethyl)ether	7.093	93	377787	53.59	ng		100
12) 1,3-Dichlorobenzene	7.552	146	451750	53.11	ng		99
13) 1,4-Dichlorobenzene	7.699	146	455796	53.28	ng		99
14) 1,2-Dichlorobenzene	8.010	146	439707	52.74	ng		100
15) Benzyl Alcohol	7.910	79	363689	57.58	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.181	45	450215	53.33	ng		98
17) 2-Methylphenol	8.110	107	347065	56.40	ng		98
18) Hexachloroethane	8.728	117	173580	52.95	ng		98
19) n-Nitroso-di-n-propyla...	8.463	70	318058	55.32	ng		99
20) 3+4-Methylphenols	8.440	107	474048	56.64	ng		98
22) Acetophenone	8.481	105	653878	53.44	ng	#	98
24) Nitrobenzene	8.852	77	456929	53.56	ng		99
25) Isophorone	9.375	82	921892	54.82	ng		99
26) 2-Nitrophenol	9.557	139	239844	57.38	ng		98
27) 2,4-Dimethylphenol	9.628	122	402585	54.62	ng		99
28) bis(2-Chloroethoxy)met...	9.852	93	542581	54.01	ng		100
29) 2,4-Dichlorophenol	10.099	162	400983	56.14	ng		98
30) 1,2,4-Trichlorobenzene	10.299	180	424561	52.75	ng		97
31) Naphthalene	10.481	128	1336265	52.65	ng		100
32) Benzoic acid	9.787	122	263657	50.71	ng		99
33) 4-Chloroaniline	10.599	127	569812	55.63	ng		99
34) Hexachlorobutadiene	10.769	225	271578	52.09	ng		99
35) Caprolactam	11.393	113	148586	57.53	ng		98
36) 4-Chloro-3-methylphenol	11.734	107	478787	54.97	ng		99
37) 2-Methylnaphthalene	12.093	142	873274	53.13	ng		99
38) 1-Methylnaphthalene	12.316	142	919827	52.31	ng		98
40) 1,2,4,5-Tetrachloroben...	12.469	216	497848	53.78	ng		100
41) Hexachlorocyclopentadiene	12.446	237	334752	59.64	ng		96
43) 2,4,6-Trichlorophenol	12.716	196	341059	56.89	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024619.D
Acq On : 13 May 2025 14:05
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: May 13 16:07:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

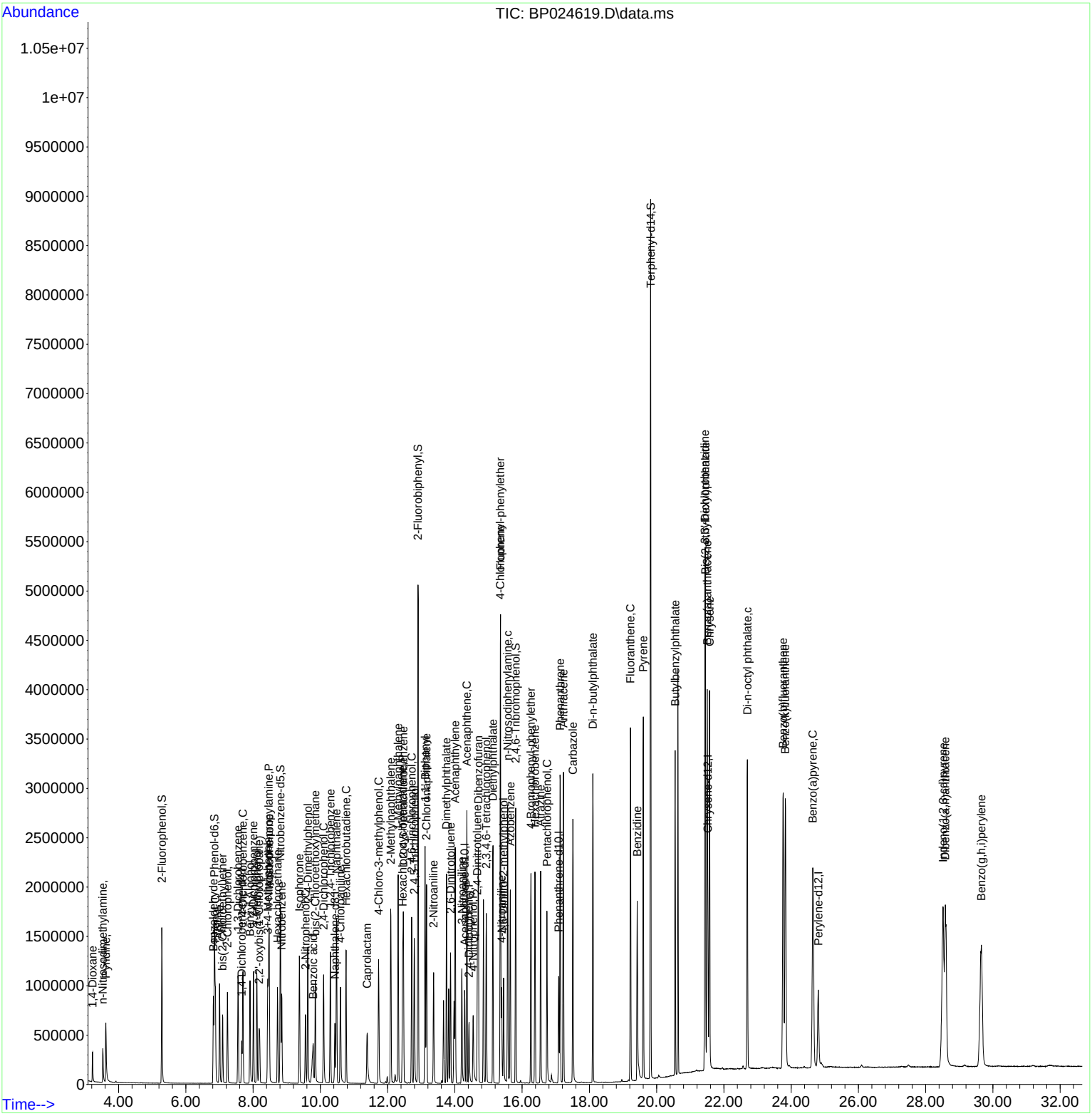
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.793	196	375330	56.24	ng	98
46) 1,1'-Biphenyl	13.116	154	1263640	53.64	ng	100
47) 2-Chloronaphthalene	13.157	162	952857	53.04	ng	99
48) 2-Nitroaniline	13.369	65	303475	57.06	ng	99
49) Acenaphthylene	14.010	152	1616938	53.79	ng	100
50) Dimethylphthalate	13.751	163	1283491	52.83	ng	99
51) 2,6-Dinitrotoluene	13.875	165	281728	54.91	ng	99
52) Acenaphthene	14.357	154	923238	53.42	ng	100
53) 3-Nitroaniline	14.210	138	302341	57.71	ng	99
54) 2,4-Dinitrophenol	14.422	184	159888	51.86	ng	98
55) Dibenzofuran	14.698	168	1447333	52.50	ng	99
56) 4-Nitrophenol	14.545	139	238294	53.99	ng	99
57) 2,4-Dinitrotoluene	14.669	165	404684	55.94	ng	98
58) Fluorene	15.357	166	1190632	52.97	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.934	232	341204	55.11	ng	100
60) Diethylphthalate	15.134	149	1305791	53.18	ng	99
61) 4-Chlorophenyl-phenyle...	15.351	204	590421	52.67	ng	97
62) 4-Nitroaniline	15.392	138	298681	58.55	ng	99
63) Azobenzene	15.651	77	1121556	53.39	ng	98
65) 4,6-Dinitro-2-methylph...	15.451	198	234095	57.64	ng	98
66) n-Nitrosodiphenylamine	15.569	169	1048396	54.28	ng	99
67) 4-Bromophenyl-phenylether	16.263	248	396385	53.50	ng	99
68) Hexachlorobenzene	16.381	284	504987	53.64	ng	99
69) Atrazine	16.551	200	389749	55.07	ng	100
70) Pentachlorophenol	16.739	266	310477	58.71	ng	98
71) Phenanthrene	17.128	178	1838891	52.61	ng	100
72) Anthracene	17.228	178	1894573	53.87	ng	100
73) Carbazole	17.510	167	1750681	55.00	ng	100
74) Di-n-butylphthalate	18.104	149	2275163	55.58	ng	100
75) Fluoranthene	19.222	202	2199818	53.84	ng	100
77) Benzidine	19.422	184	1178505	59.85	ng	99
78) Pyrene	19.604	202	2282702	53.11	ng	100
80) Butylbenzylphthalate	20.551	149	1083395	56.68	ng	97
81) Benzo(a)anthracene	21.504	228	2396398	53.20	ng	99
82) 3,3'-Dichlorobenzidine	21.439	252	966906	57.80	ng	100
83) Chrysene	21.574	228	2250800	52.71	ng	100
84) Bis(2-ethylhexyl)phtha...	21.451	149	1585070	56.42	ng	100
85) Di-n-octyl phthalate	22.698	149	2614856	56.91	ng	100
87) Indeno(1,2,3-cd)pyrene	28.515	276	3262830	55.06	ng	99
88) Benzo(b)fluoranthene	23.763	252	2612438	56.25	ng	99
89) Benzo(k)fluoranthene	23.827	252	2552663	53.34	ng	99
90) Benzo(a)pyrene	24.645	252	2475976	55.51	ng	100
91) Dibenzo(a,h)anthracene	28.586	278	2679367	55.60	ng	99
92) Benzo(g,h,i)perylene	29.656	276	2625625	54.79	ng	99

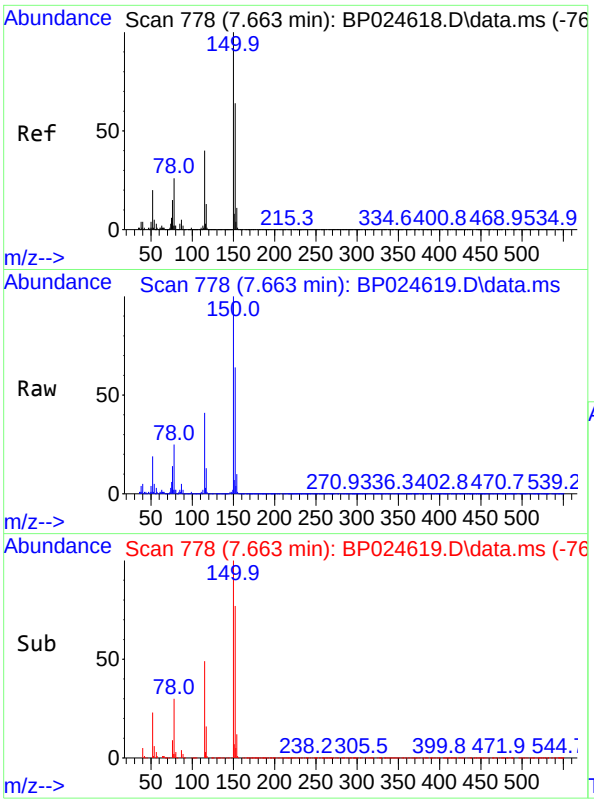
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024619.D
Acq On : 13 May 2025 14:05
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: May 13 16:07:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration



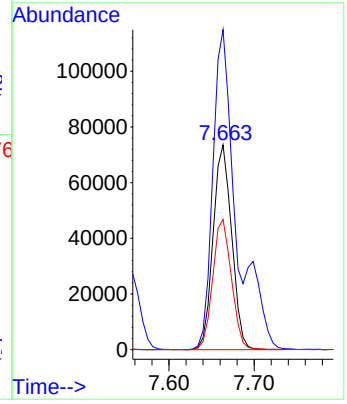


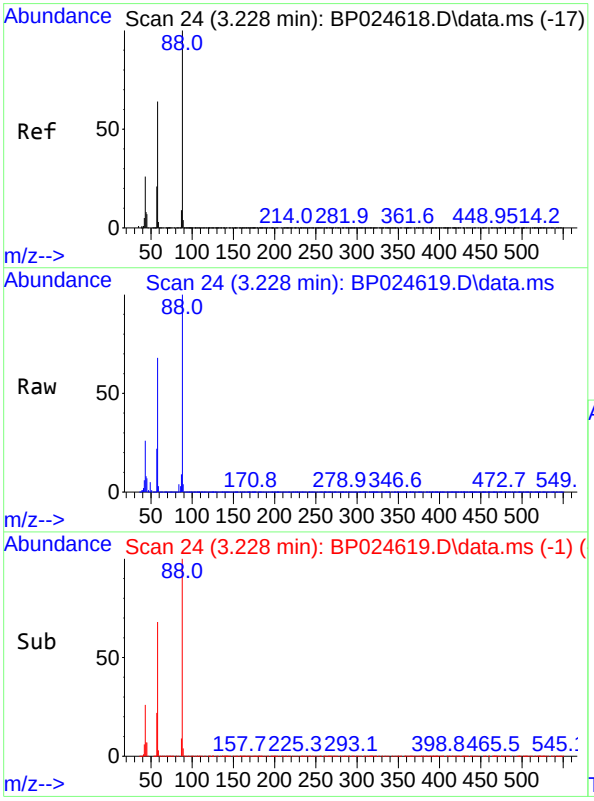
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 111395

Ion	Ratio	Lower	Upper
152	100		
150	156.2	125.9	188.9
115	63.6	50.1	75.1

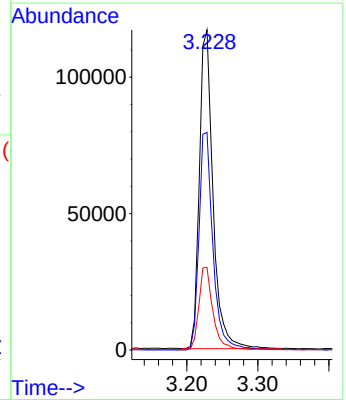


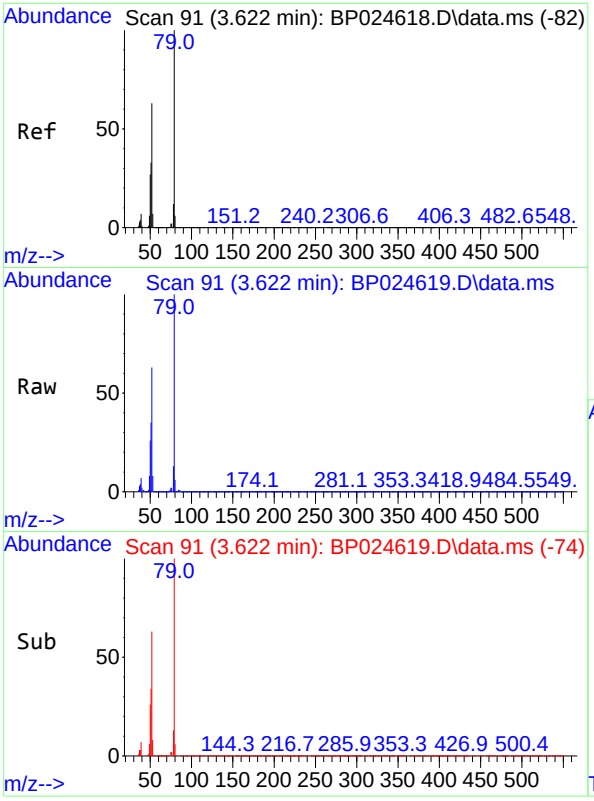


#2
1,4-Dioxane
Concen: 51.20 ng
RT: 3.228 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion: 88 Resp: 156571

Ion	Ratio	Lower	Upper
88	100		
58	70.0	54.0	81.0
43	26.5	21.4	32.0



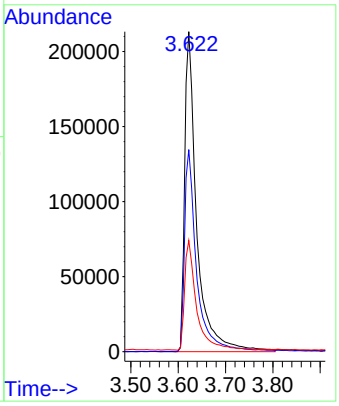


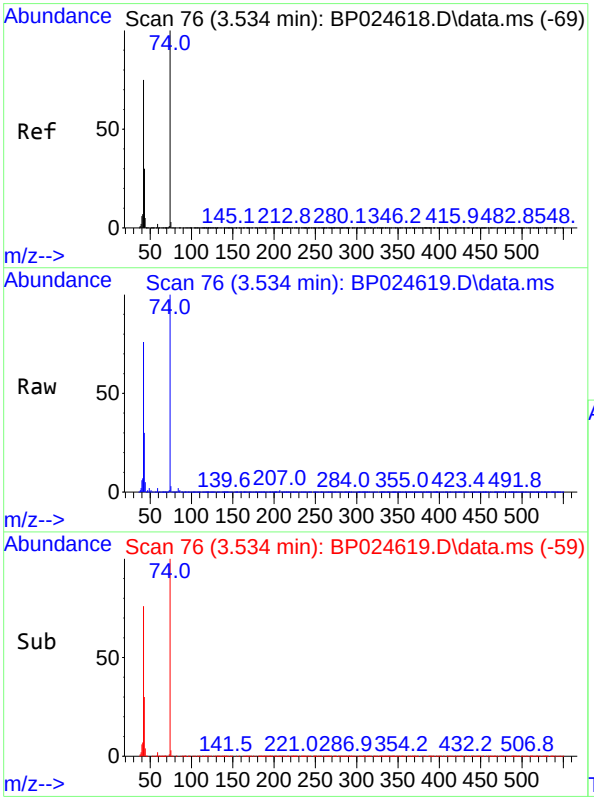
#3
Pyridine
Concen: 55.97 ng
RT: 3.622 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 379522

Ion	Ratio	Lower	Upper
79	100		
52	63.2	50.2	75.2
51	34.8	26.8	40.2

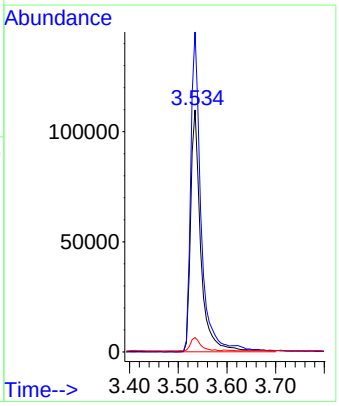


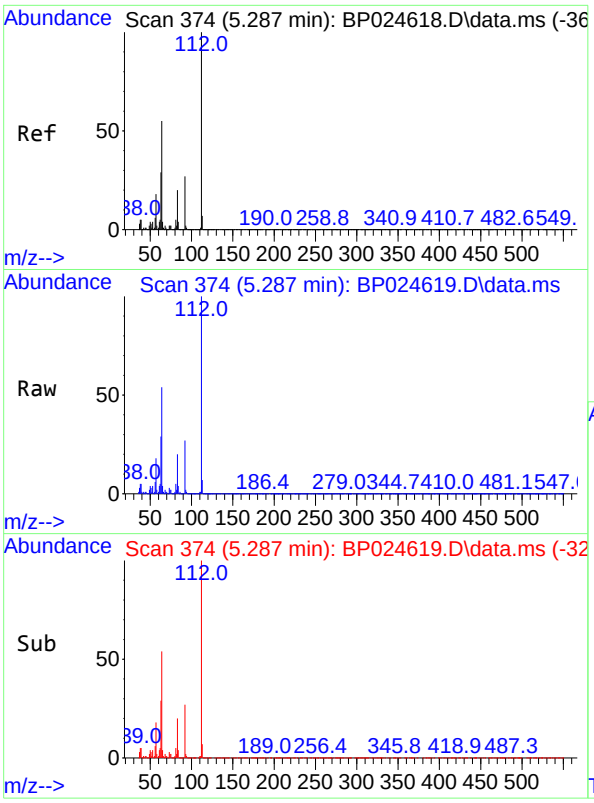


#4
n-Nitrosodimethylamine
Concen: 54.00 ng
RT: 3.534 min Scan# 76
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion: 42 Resp: 161654

Ion	Ratio	Lower	Upper
42	100		
74	132.2	106.2	159.2
44	6.0	5.4	8.2



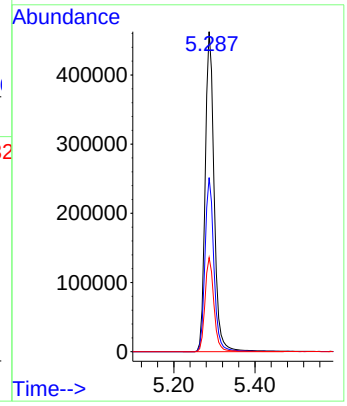


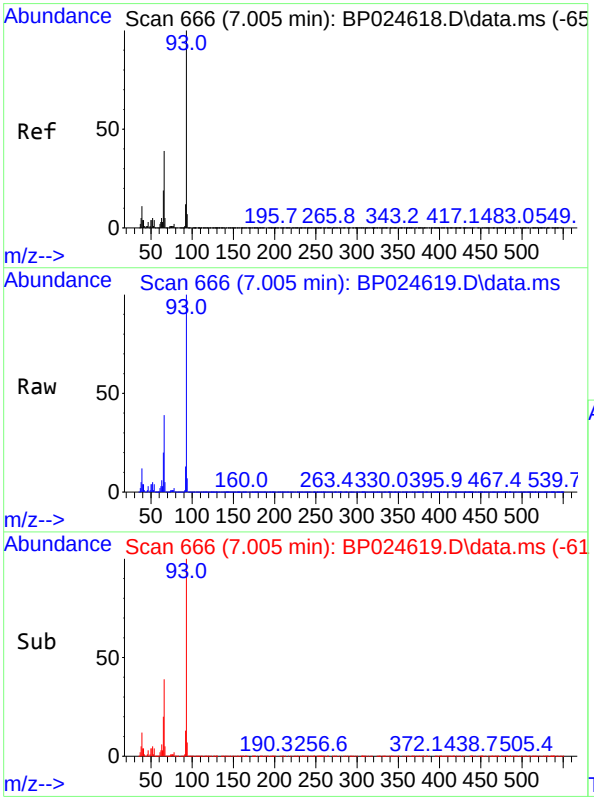
#5
2-Fluorophenol
Concen: 108.80 ng
RT: 5.287 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 708626

Ion	Ratio	Lower	Upper
112	100		
64	54.4	44.1	66.1
63	29.4	23.5	35.3

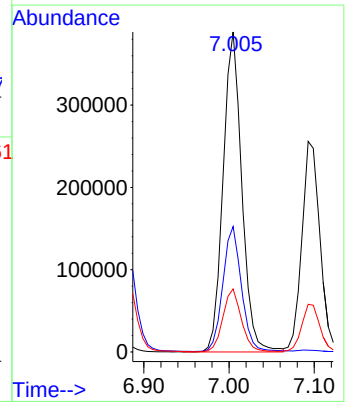


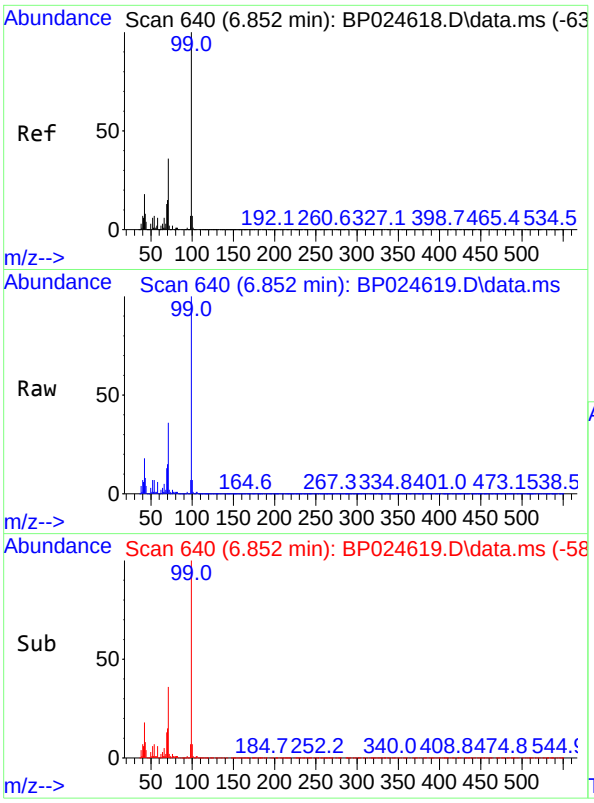


#6
Aniline
Concen: 55.27 ng
RT: 7.005 min Scan# 666
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion: 93 Resp: 593141

Ion	Ratio	Lower	Upper
93	100		
66	39.2	31.0	46.6
65	19.7	15.5	23.3



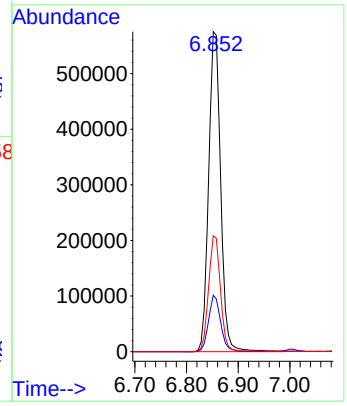


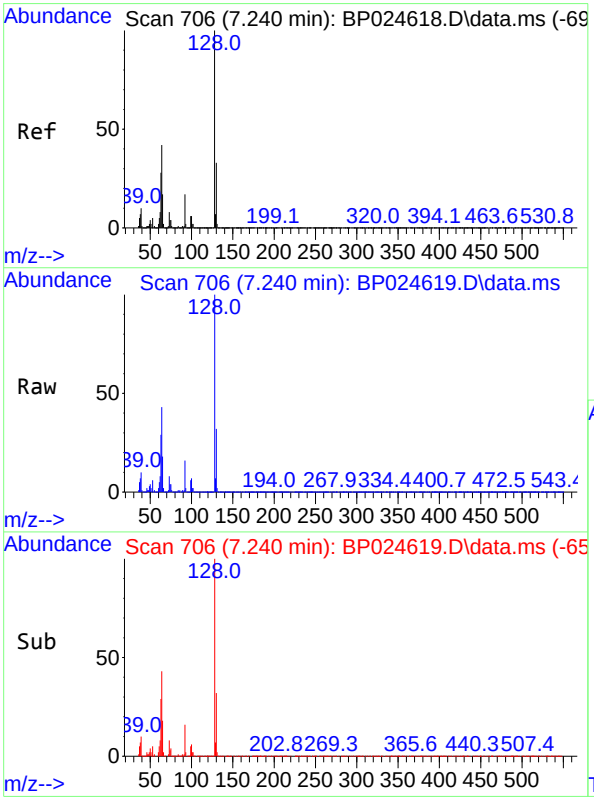
#7
Phenol-d6
Concen: 111.94 ng
RT: 6.852 min Scan# 64
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 930484

Ion	Ratio	Lower	Upper
99	100		
42	17.7	14.4	21.6
71	36.2	29.2	43.8

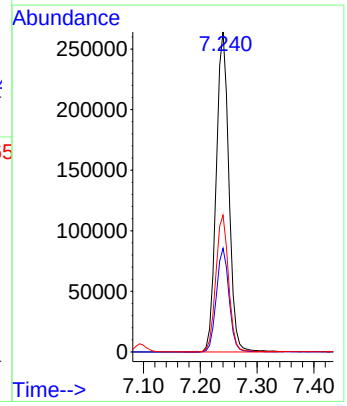


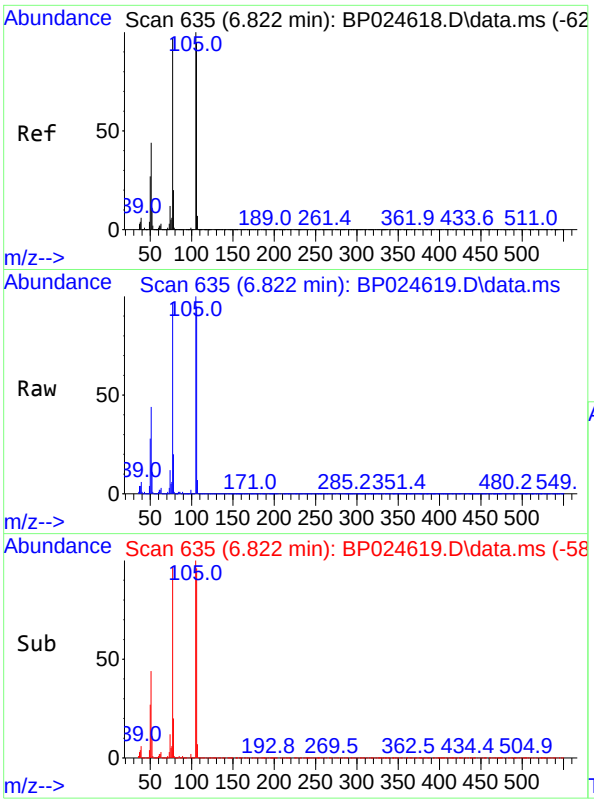


#8
2-Chlorophenol
Concen: 55.19 ng
RT: 7.240 min Scan# 706
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:128 Resp: 408016

Ion	Ratio	Lower	Upper
128	100		
130	32.4	13.0	53.0
64	42.8	22.3	62.3



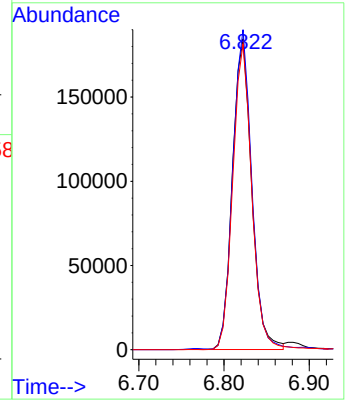


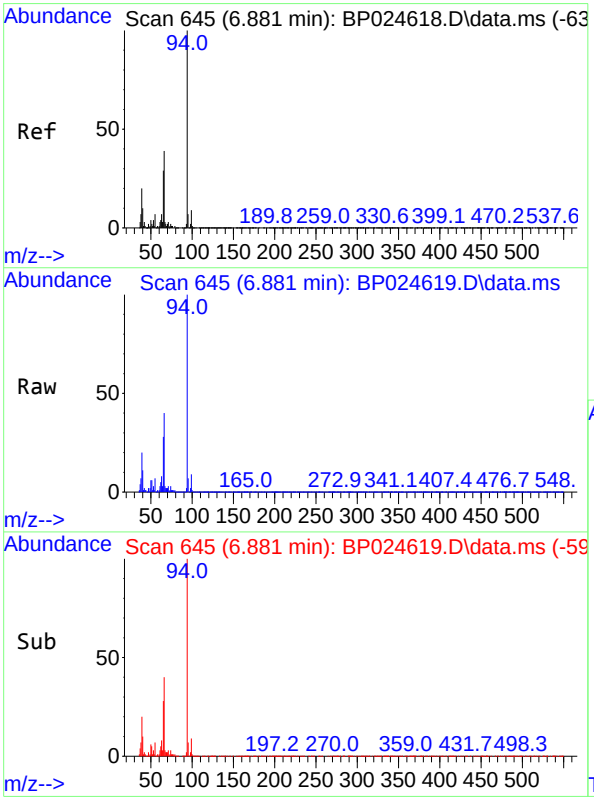
#9
Benzaldehyde
Concen: 54.06 ng
RT: 6.822 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 290405

Ion	Ratio	Lower	Upper
77	100		
105	103.0	83.3	123.3
106	98.4	78.0	118.0

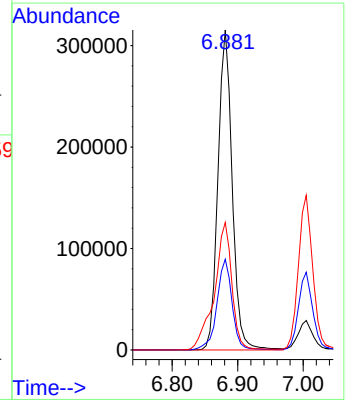


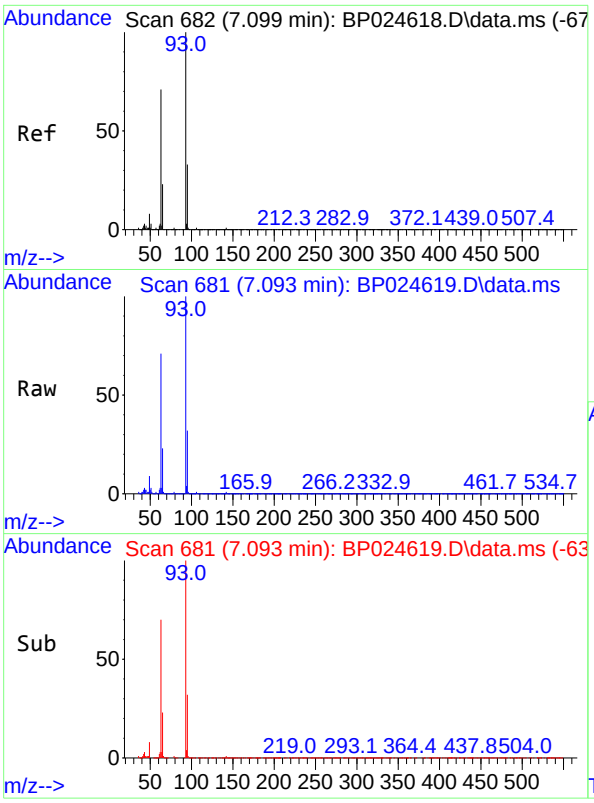


#10
Phenol
Concen: 55.41 ng
RT: 6.881 min Scan# 645
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion: 94 Resp: 475413

Ion	Ratio	Lower	Upper
94	100		
65	28.3	8.7	48.7
66	39.9	19.4	59.4



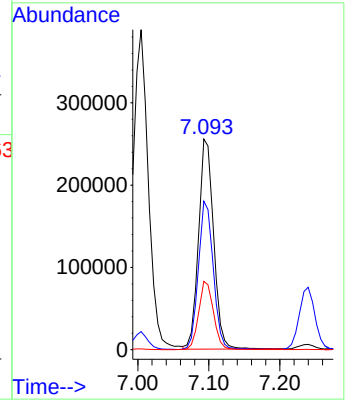


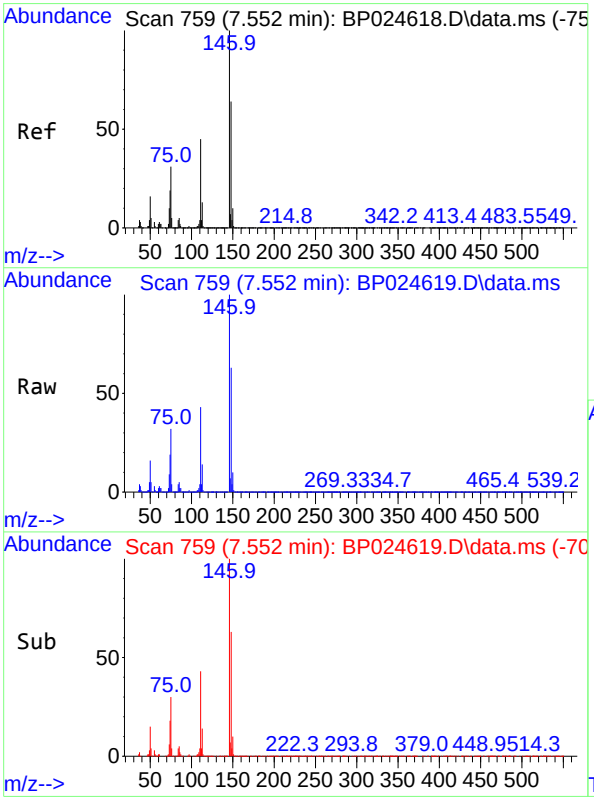
#11
bis(2-Chloroethyl)ether
Concen: 53.59 ng
RT: 7.093 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 377787

Ion	Ratio	Lower	Upper
93	100		
63	70.5	50.6	90.6
95	32.5	12.9	52.9

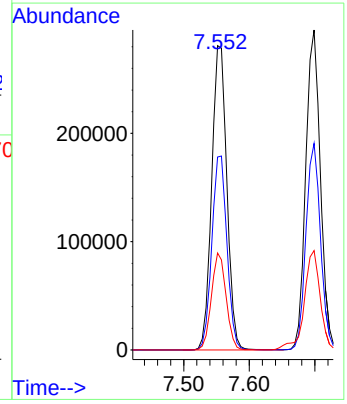


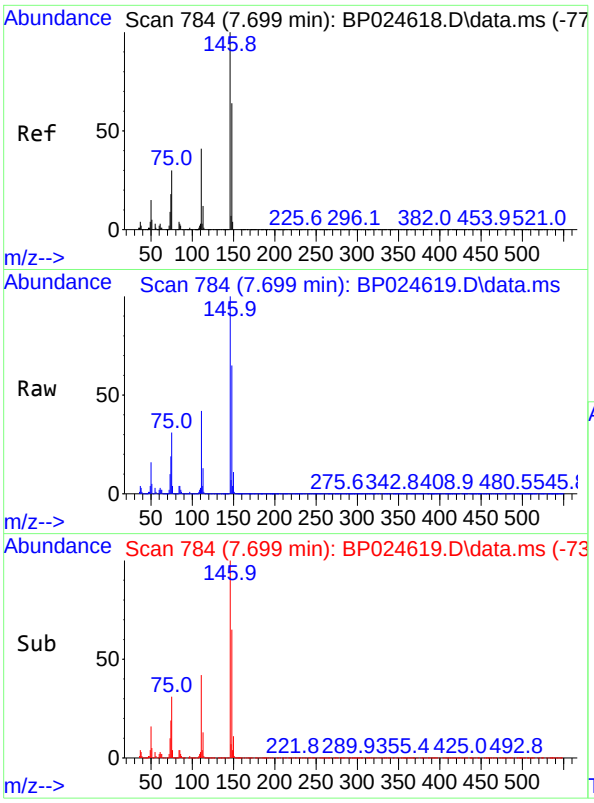


#12
1,3-Dichlorobenzene
Concen: 53.11 ng
RT: 7.552 min Scan# 759
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:146 Resp: 451750

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.4	77.2
75	31.9	25.2	37.8



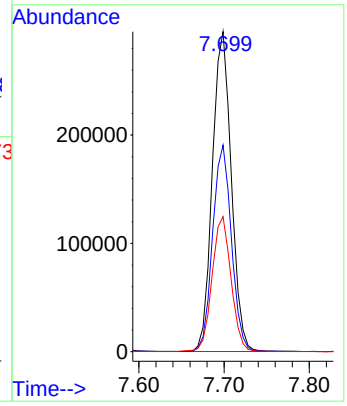


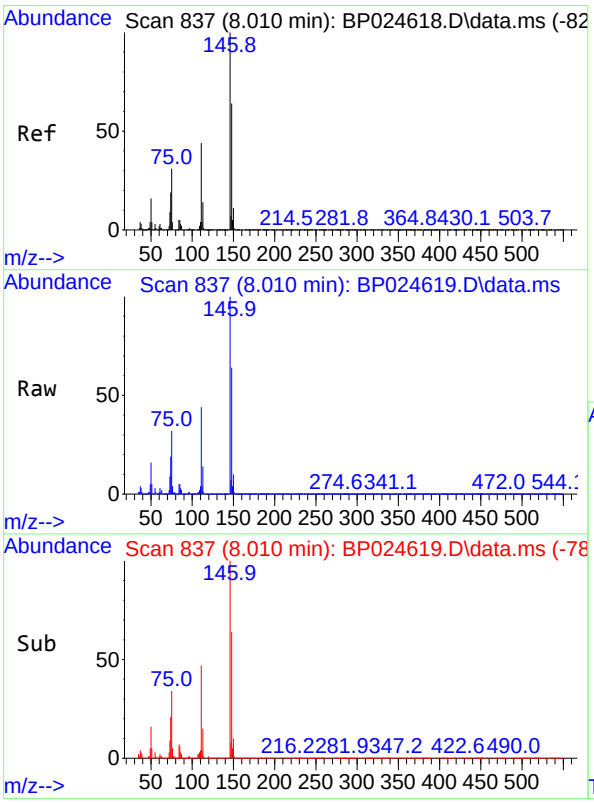
#13
1,4-Dichlorobenzene
Concen: 53.28 ng
RT: 7.699 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 455796

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.0	76.6
111	42.2	33.0	49.6

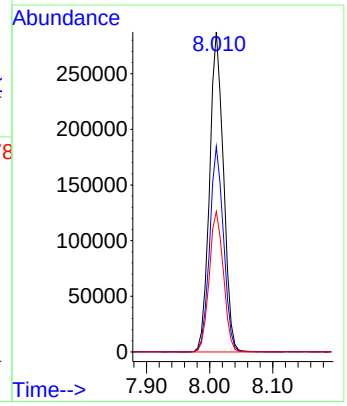


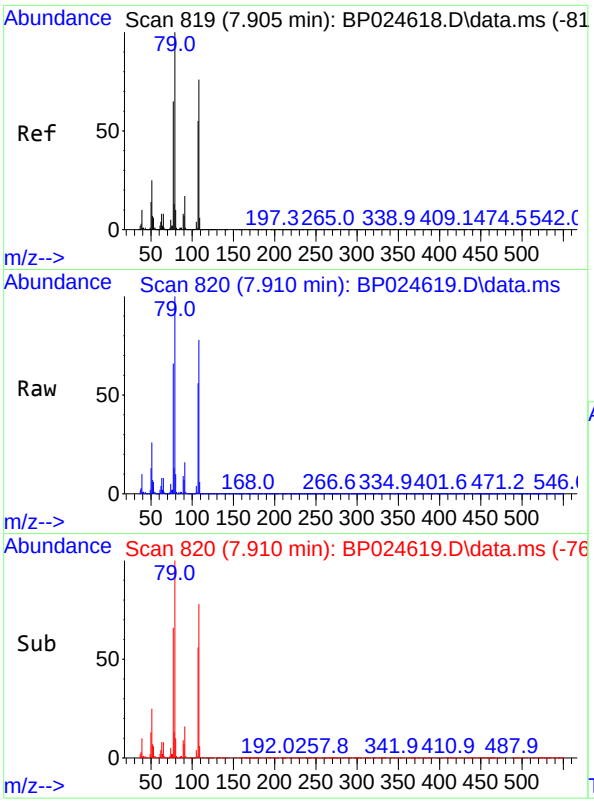


#14
1,2-Dichlorobenzene
Concen: 52.74 ng
RT: 8.010 min Scan# 837
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:146 Resp: 439707

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.0	76.4
111	43.9	35.2	52.8



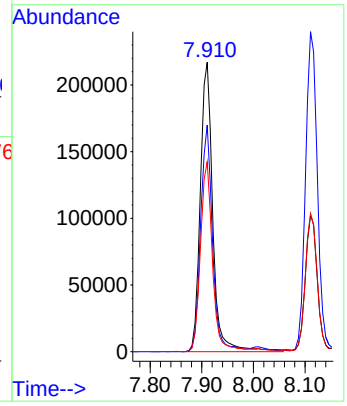


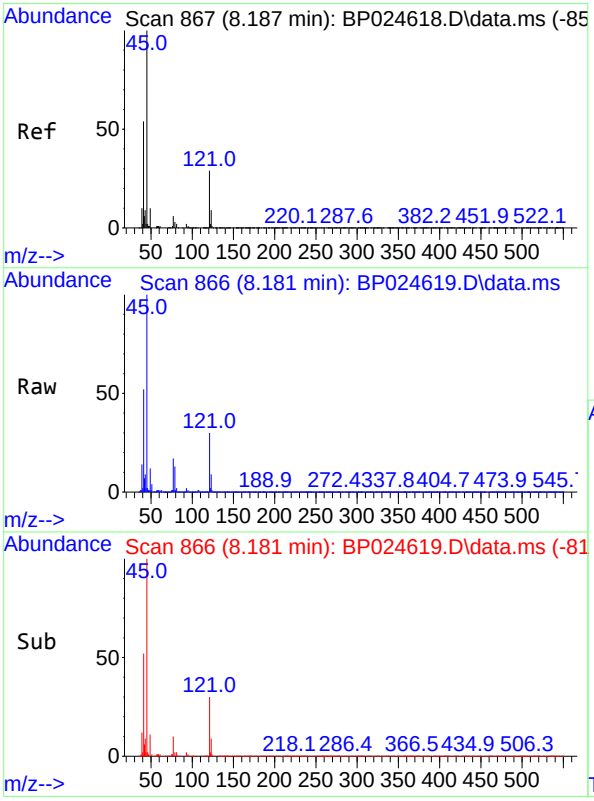
#15
Benzyl Alcohol
Concen: 57.58 ng
RT: 7.910 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 363689

Ion	Ratio	Lower	Upper
79	100		
108	78.2	60.8	91.2
77	65.6	51.9	77.9

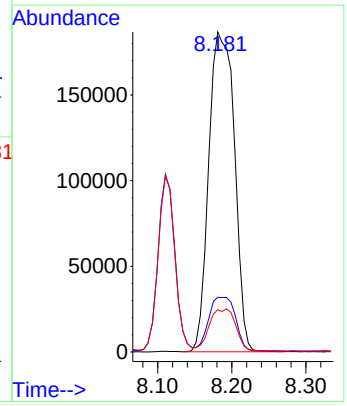


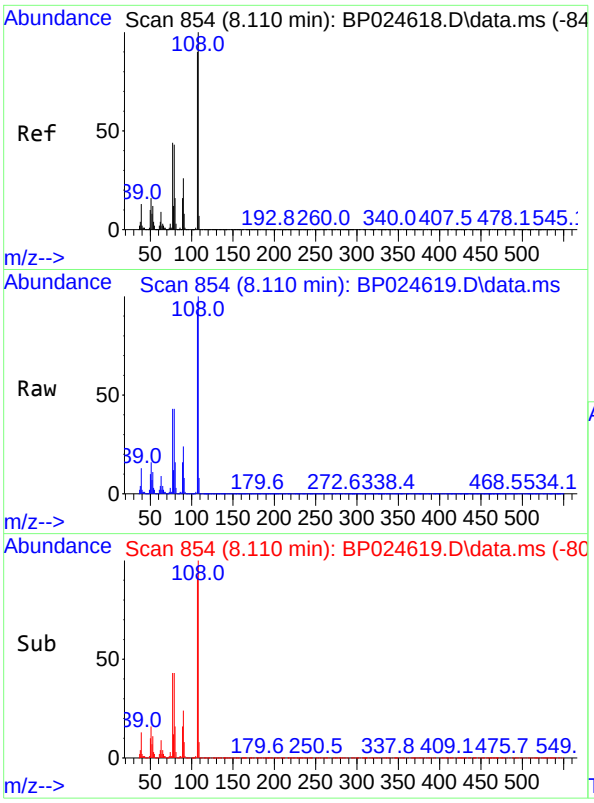


#16
2,2'-oxybis(1-Chloropropane)
Concen: 53.33 ng
RT: 8.181 min Scan# 866
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion: 45 Resp: 450215

Ion	Ratio	Lower	Upper
45	100		
77	17.1	0.0	37.7
79	13.2	0.0	34.0



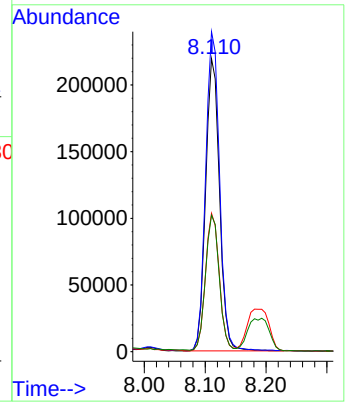


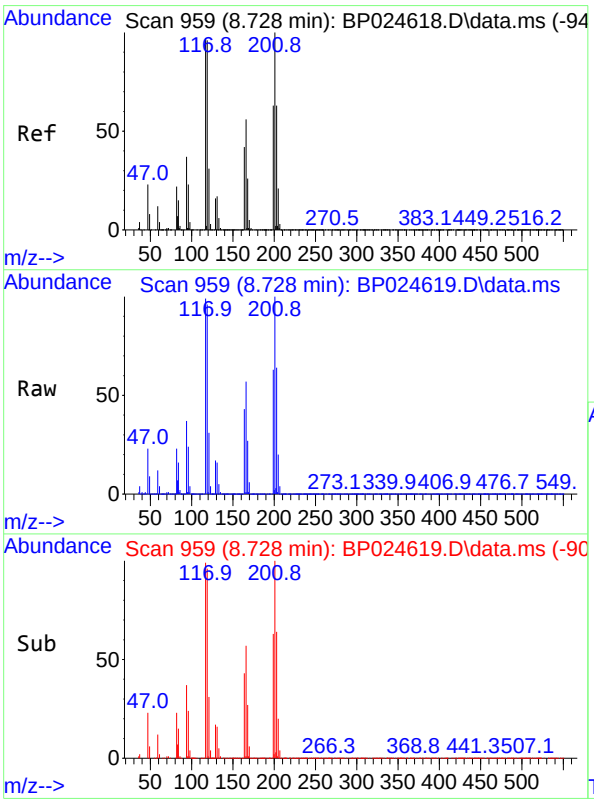
#17
2-Methylphenol
Concen: 56.40 ng
RT: 8.110 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 347065

Ion	Ratio	Lower	Upper
107	100		
108	109.2	88.9	133.3
77	47.2	39.0	58.6
79	46.6	38.4	57.6

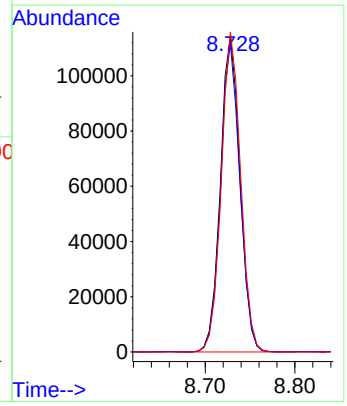


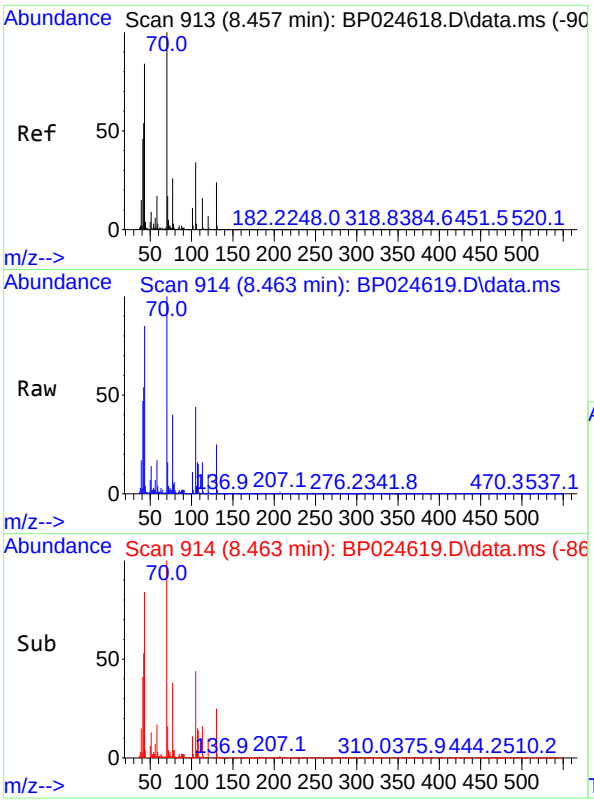


#18
Hexachloroethane
Concen: 52.95 ng
RT: 8.728 min Scan# 959
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:117 Resp: 173580

Ion	Ratio	Lower	Upper
117	100		
119	97.5	79.4	119.0
201	101.3	82.7	124.1



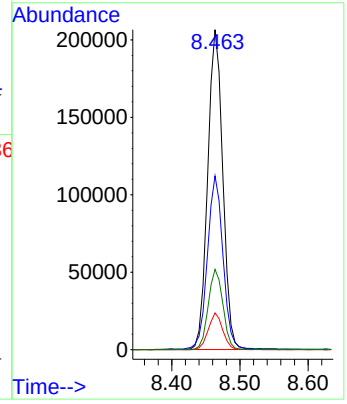


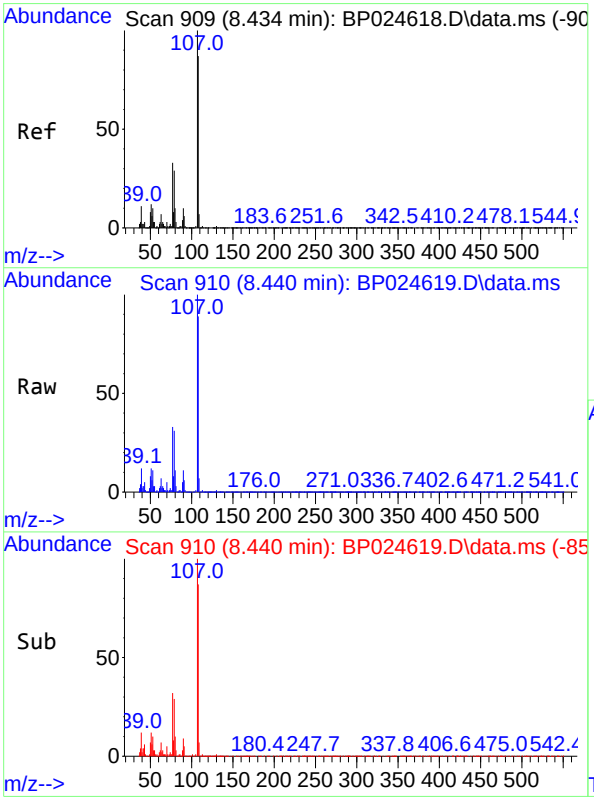
#19
n-Nitroso-di-n-propylamine
Concen: 55.32 ng
RT: 8.463 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 318058

Ion	Ratio	Lower	Upper
70	100		
42	54.3	43.0	64.6
101	11.5	8.7	13.1
130	25.1	19.4	29.0

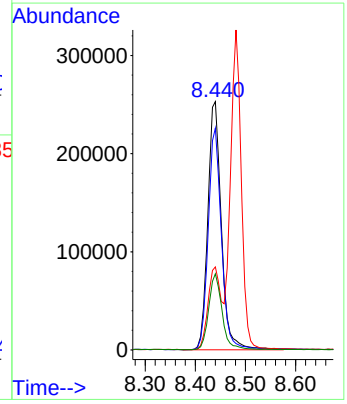


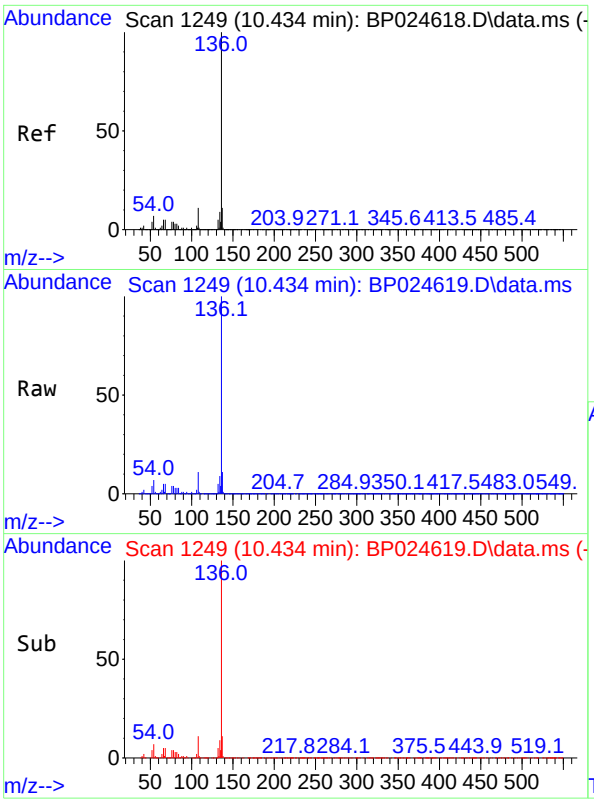


#20
3+4-Methylphenols
Concen: 56.64 ng
RT: 8.440 min Scan# 910
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:107 Resp: 474048

Ion	Ratio	Lower	Upper
107	100		
108	89.3	66.7	106.7
77	33.4	13.1	53.1
79	30.7	8.9	48.9



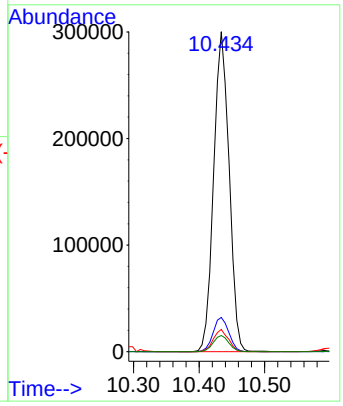


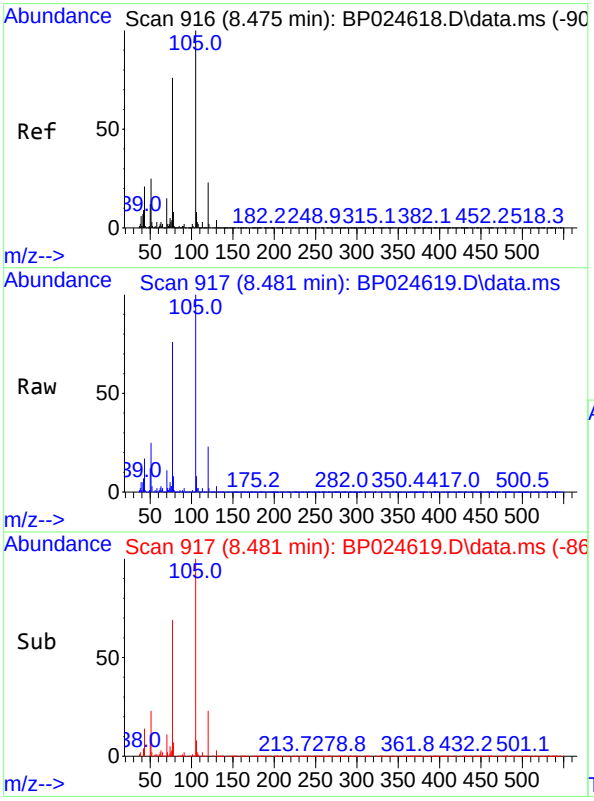
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 489806

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	7.0	5.5	8.3
68	5.0	4.2	6.2

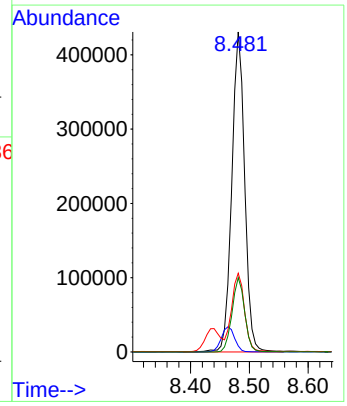


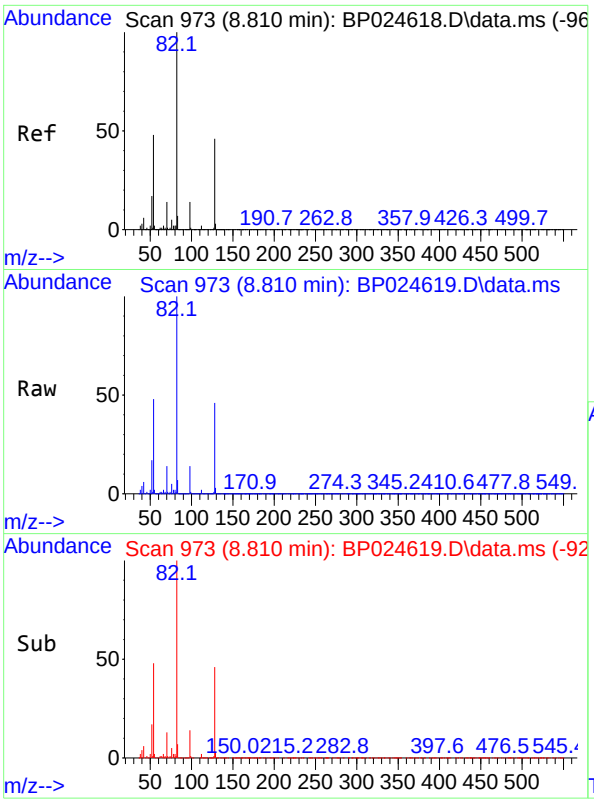


#22
Acetophenone
Concen: 53.44 ng
RT: 8.481 min Scan# 917
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:105 Resp: 653878

Ion	Ratio	Lower	Upper
105	100		
71	1.9	2.0	3.0#
51	24.6	20.4	30.6
120	23.2	18.1	27.1



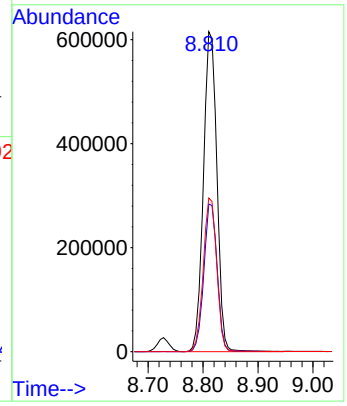


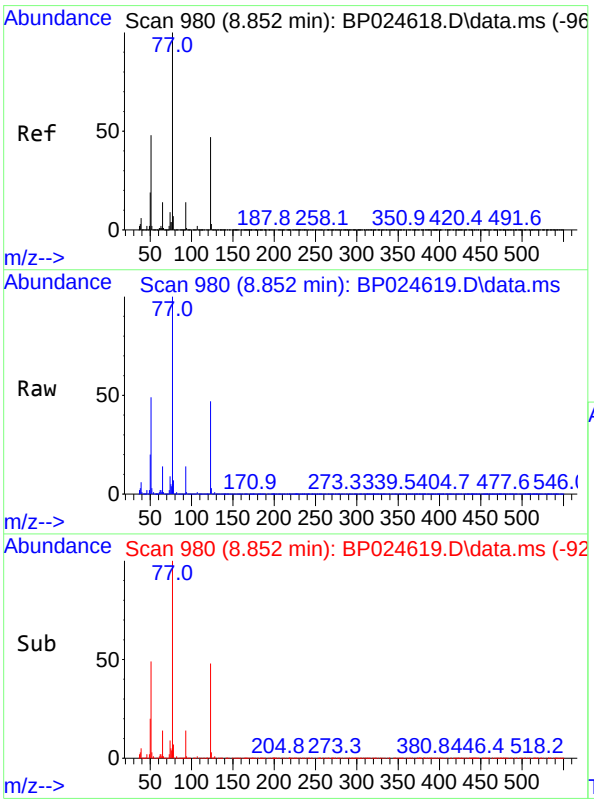
#23
Nitrobenzene-d5
Concen: 108.26 ng
RT: 8.810 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1049445

Ion	Ratio	Lower	Upper
82	100		
128	46.1	37.0	55.4
54	48.0	38.7	58.1

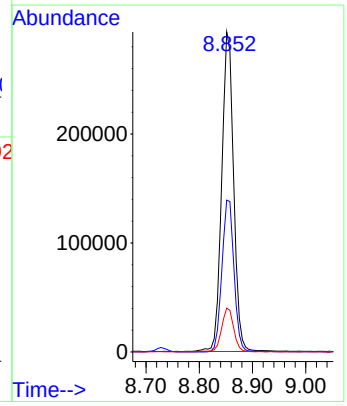


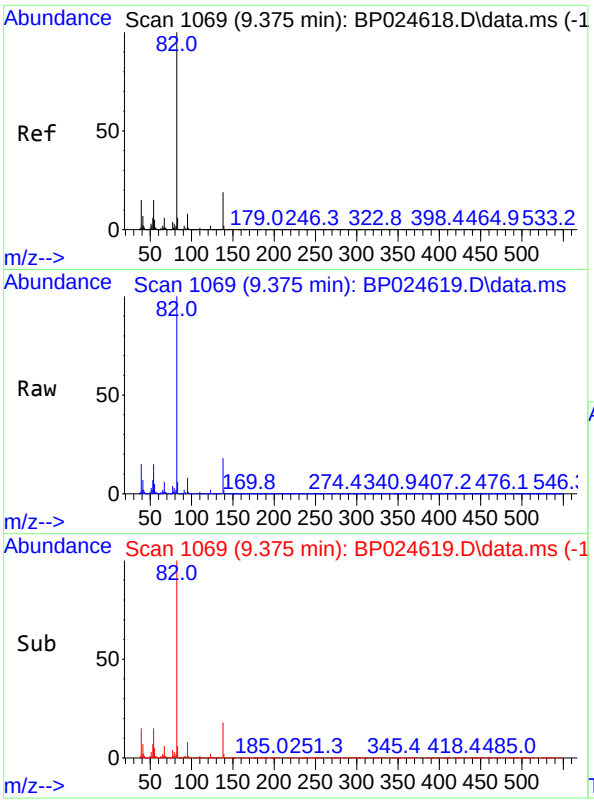


#24
Nitrobenzene
Concen: 53.56 ng
RT: 8.852 min Scan# 980
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion: 77 Resp: 456929

Ion	Ratio	Lower	Upper
77	100		
123	47.4	37.4	56.0
65	13.7	11.3	16.9



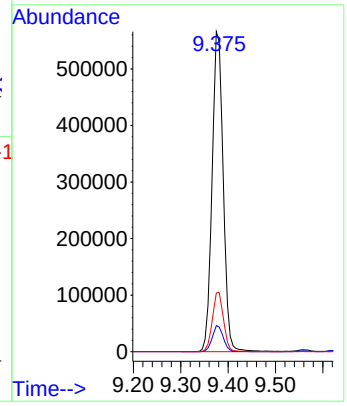


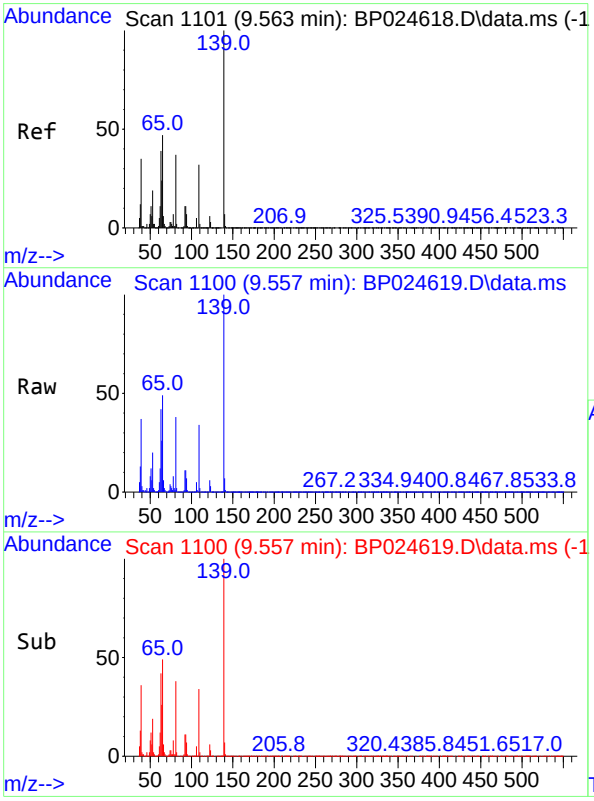
#25
Isophorone
Concen: 54.82 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 921892

Ion	Ratio	Lower	Upper
82	100		
95	8.2	6.3	9.5
138	18.3	15.3	22.9

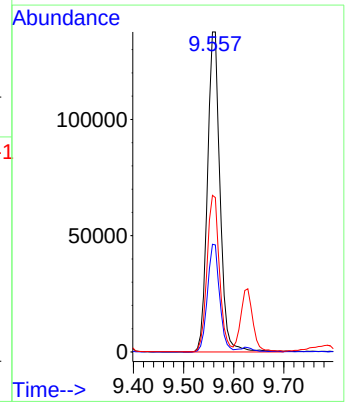


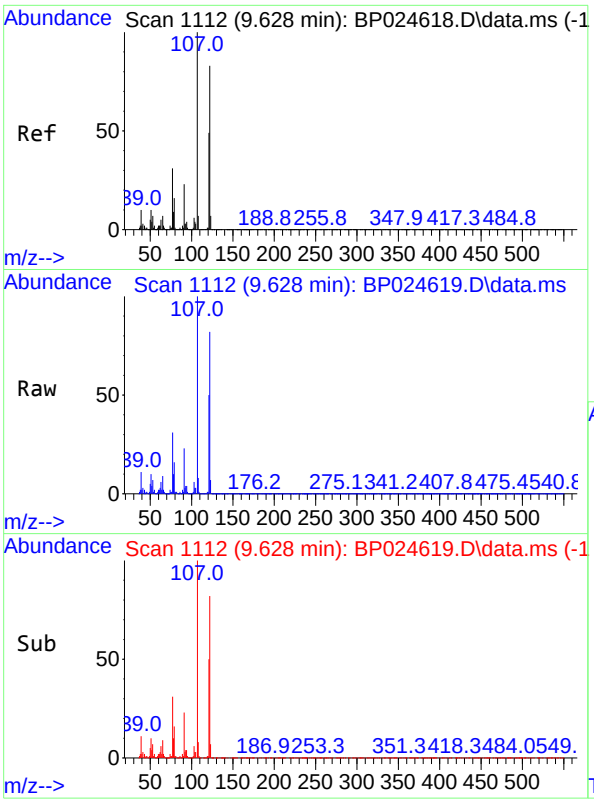


#26
2-Nitrophenol
Concen: 57.38 ng
RT: 9.557 min Scan# 1100
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:139 Resp: 239844

Ion	Ratio	Lower	Upper
139	100		
109	33.6	25.9	38.9
65	49.0	37.9	56.9



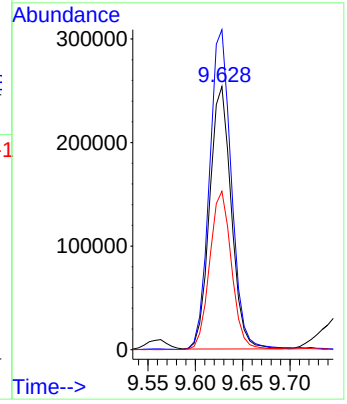


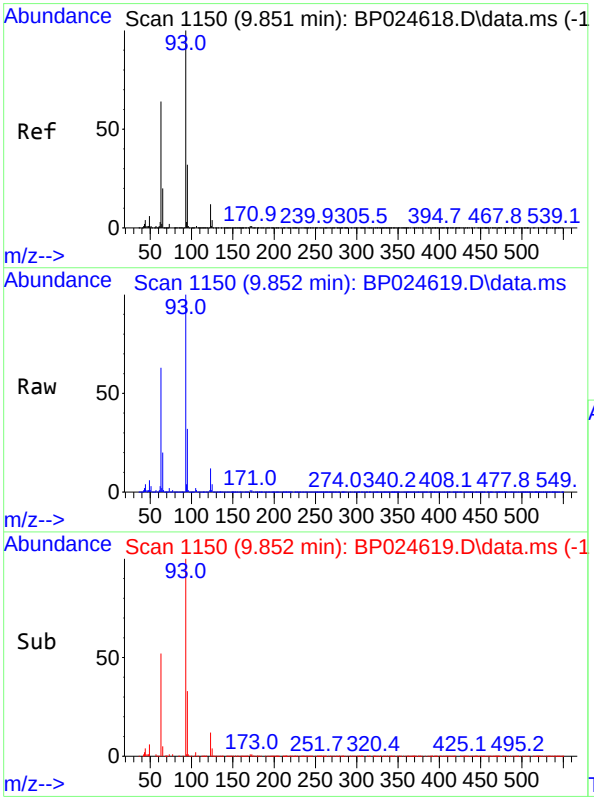
#27
2,4-Dimethylphenol
Concen: 54.62 ng
RT: 9.628 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 402585

Ion	Ratio	Lower	Upper
122	100		
107	121.6	96.2	144.2
121	60.2	47.6	71.4

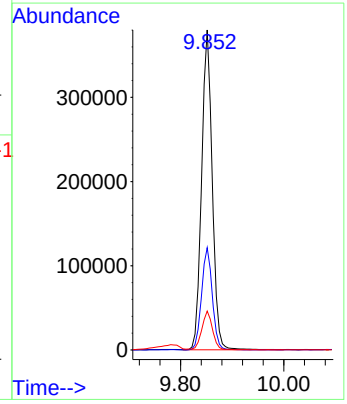


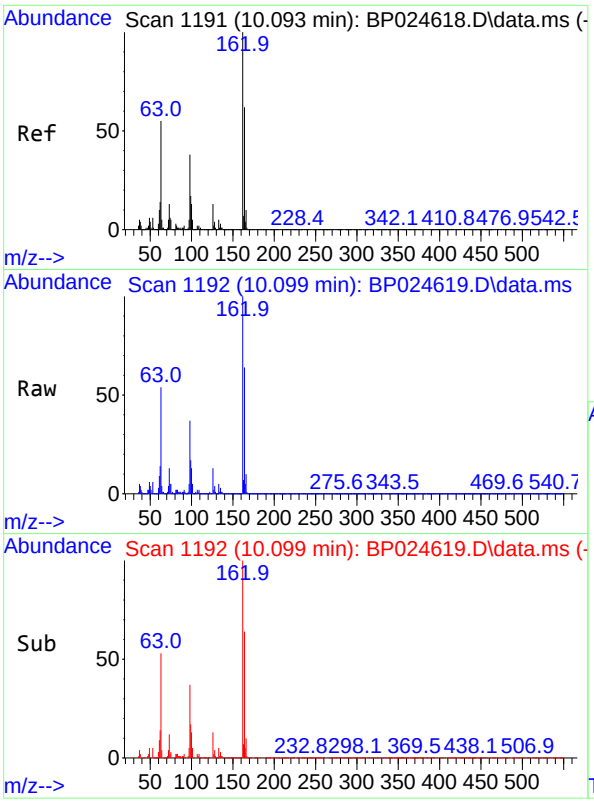


#28
bis(2-Chloroethoxy)methane
Concen: 54.01 ng
RT: 9.852 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion: 93 Resp: 542581

Ion	Ratio	Lower	Upper
93	100		
95	31.9	25.5	38.3
123	12.2	9.7	14.5



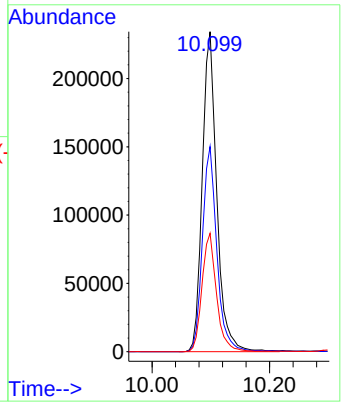


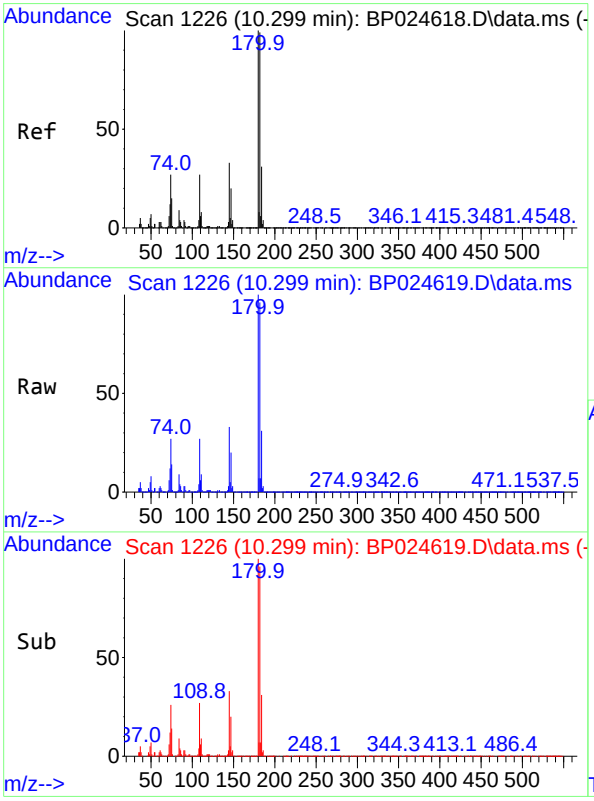
#29
2,4-Dichlorophenol
Concen: 56.14 ng
RT: 10.099 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 400983

Ion	Ratio	Lower	Upper
162	100		
164	64.1	42.3	82.3
98	37.0	18.4	58.4

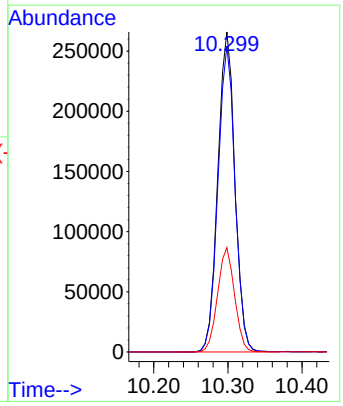


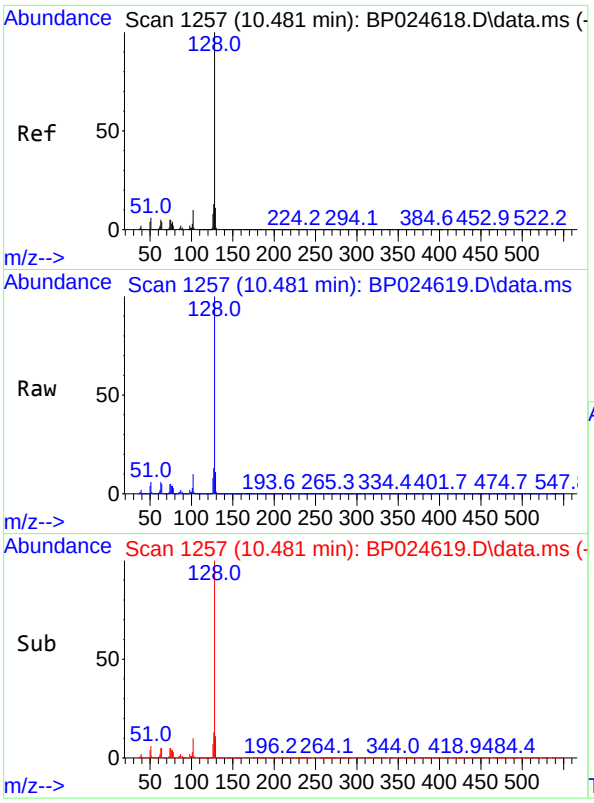


#30
1,2,4-Trichlorobenzene
Concen: 52.75 ng
RT: 10.299 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:180 Resp: 424561

Ion	Ratio	Lower	Upper
180	100		
182	95.5	79.0	118.4
145	32.6	26.6	39.8



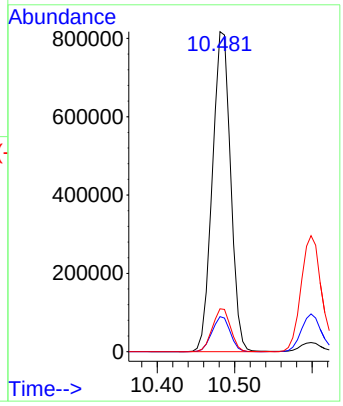


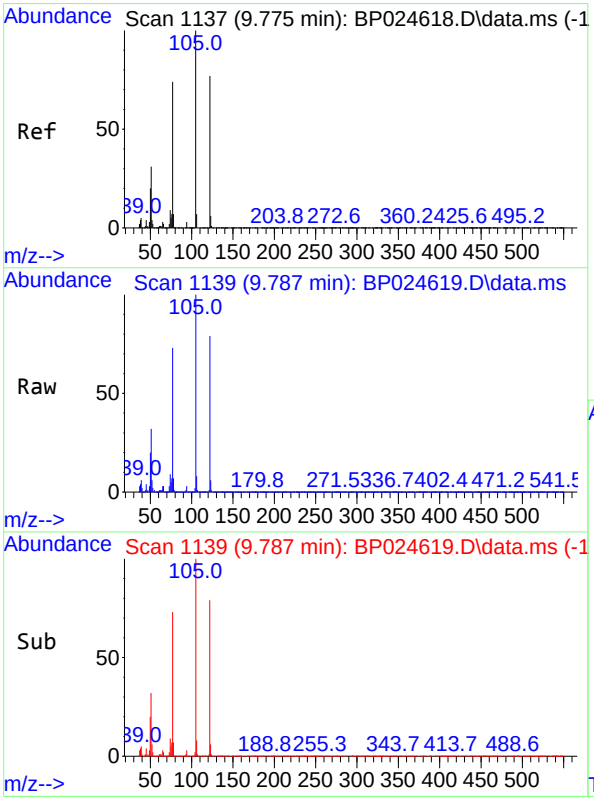
#31
Naphthalene
Concen: 52.65 ng
RT: 10.481 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 1336265

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.4	10.7	16.1

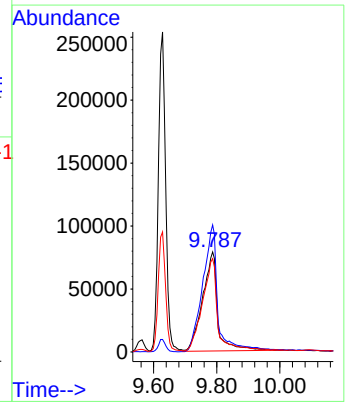


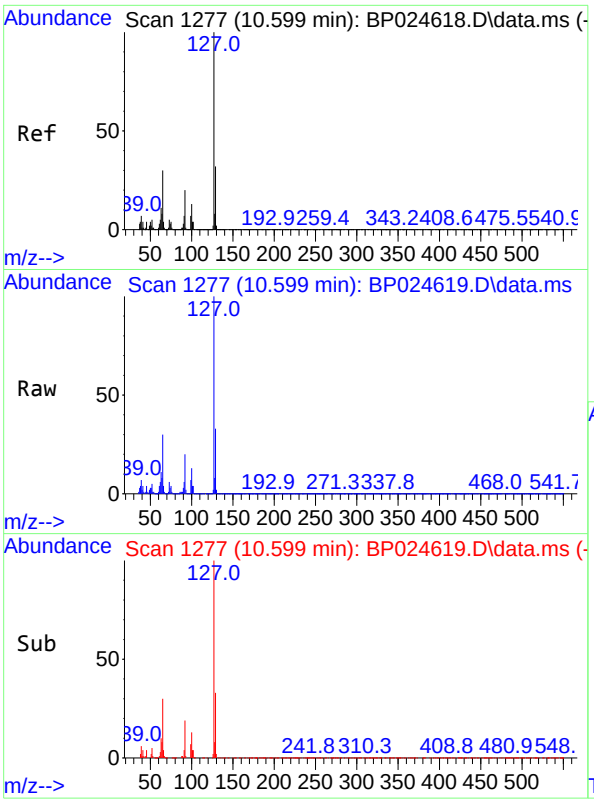


#32
Benzoic acid
Concen: 50.71 ng
RT: 9.787 min Scan# 1139
Delta R.T. 0.012 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:122 Resp: 263657

Ion	Ratio	Lower	Upper
122	100		
105	127.2	106.9	146.9
77	93.3	75.1	115.1



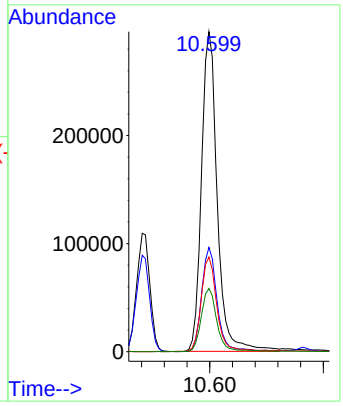


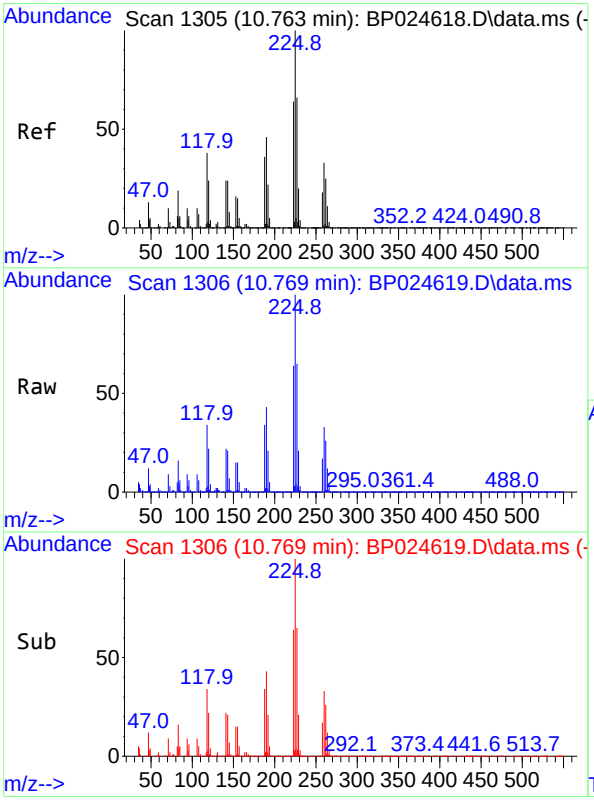
#33
4-Chloroaniline
Concen: 55.63 ng
RT: 10.599 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 569812

Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.8	38.6
65	29.6	23.9	35.9
92	19.7	16.1	24.1

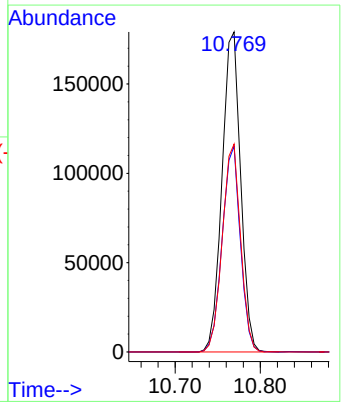


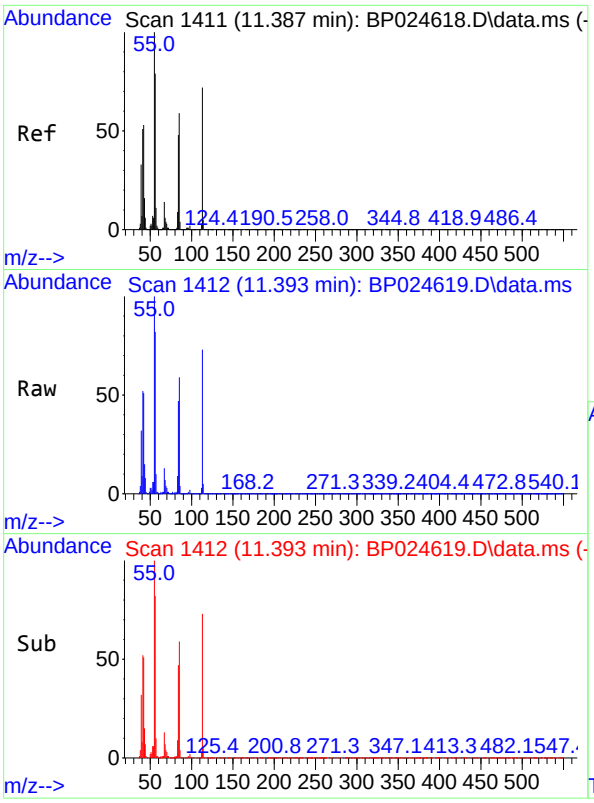


#34
Hexachlorobutadiene
Concen: 52.09 ng
RT: 10.769 min Scan# 1306
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:225 Resp: 271578

Ion	Ratio	Lower	Upper
225	100		
223	64.4	51.0	76.6
227	64.9	53.1	79.7



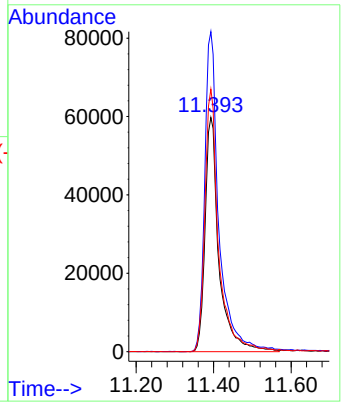


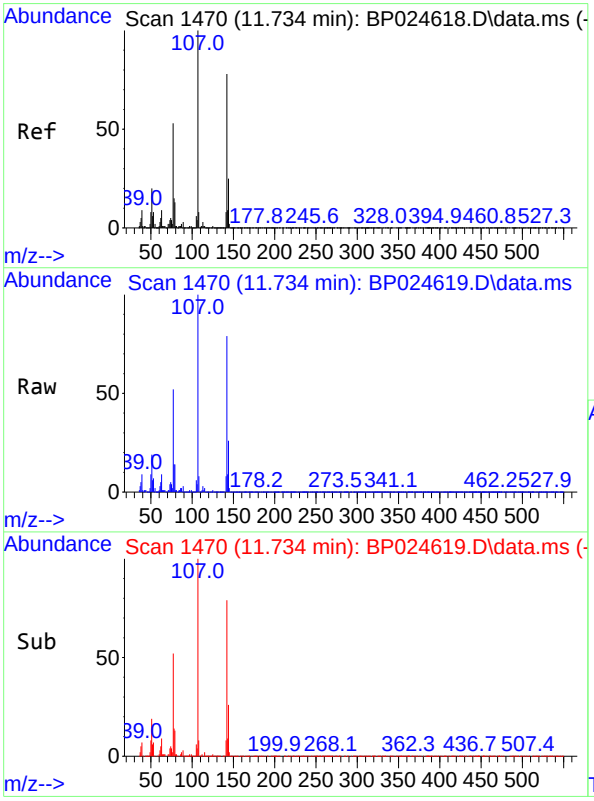
#35
Caprolactam
Concen: 57.53 ng
RT: 11.393 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 148586

Ion	Ratio	Lower	Upper
113	100		
55	136.6	119.0	159.0
56	112.0	90.3	130.3

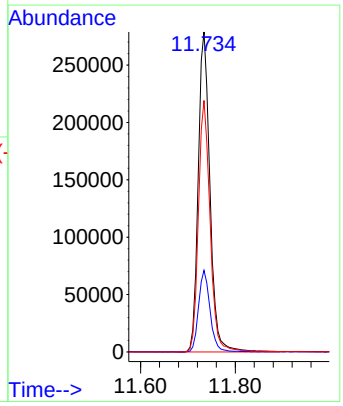


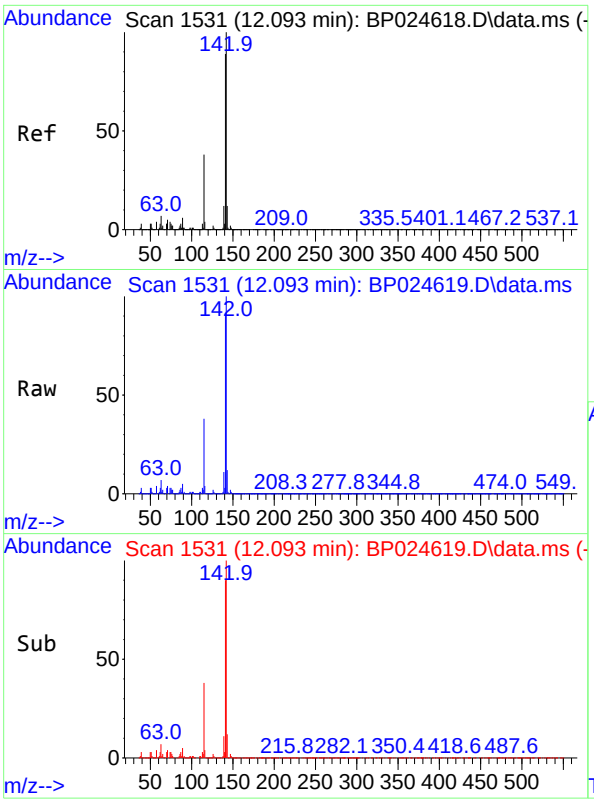


#36
4-Chloro-3-methylphenol
Concen: 54.97 ng
RT: 11.734 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:107 Resp: 478787

Ion	Ratio	Lower	Upper
107	100		
144	25.5	20.1	30.1
142	78.6	62.1	93.1



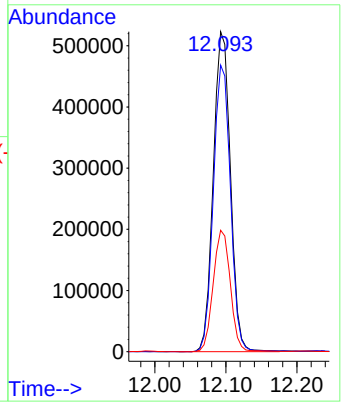


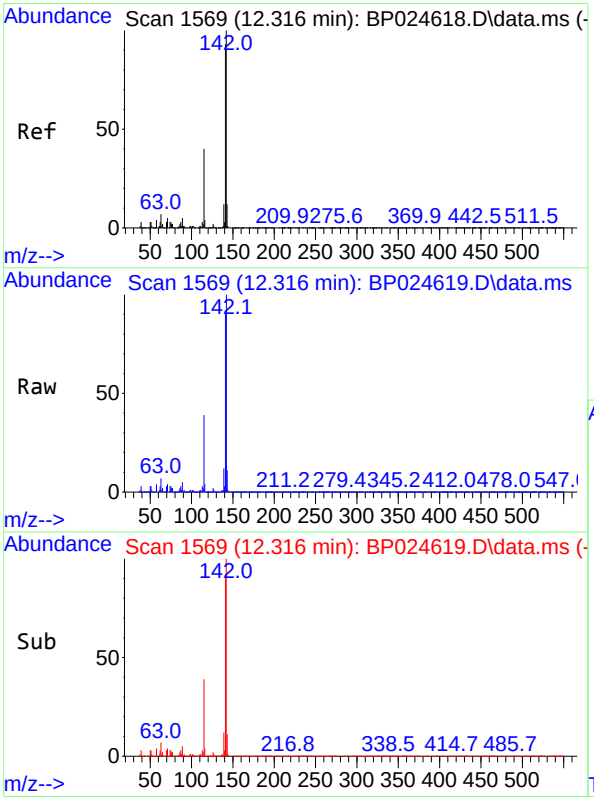
#37
2-Methylnaphthalene
Concen: 53.13 ng
RT: 12.093 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 873274

Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.2	106.8
115	37.9	30.6	46.0

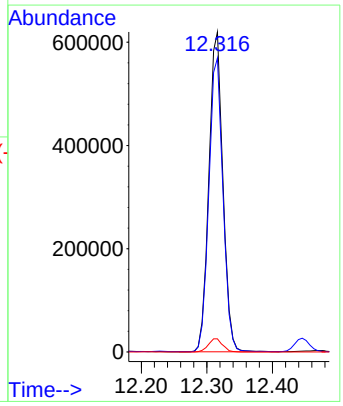


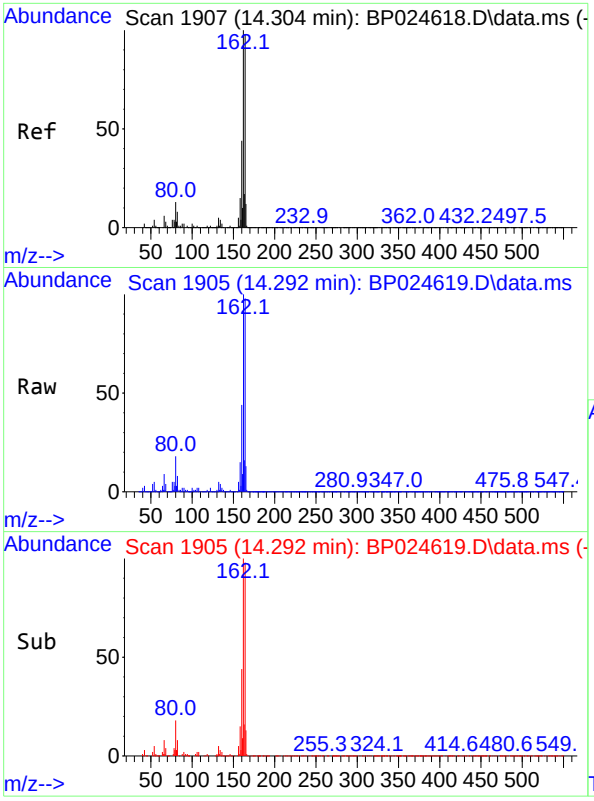


#38
1-Methylnaphthalene
Concen: 52.31 ng
RT: 12.316 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:142 Resp: 919827

Ion	Ratio	Lower	Upper
142	100		
141	91.9	74.7	112.1
116	4.1	3.4	5.2



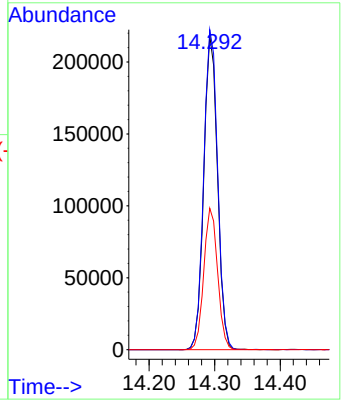


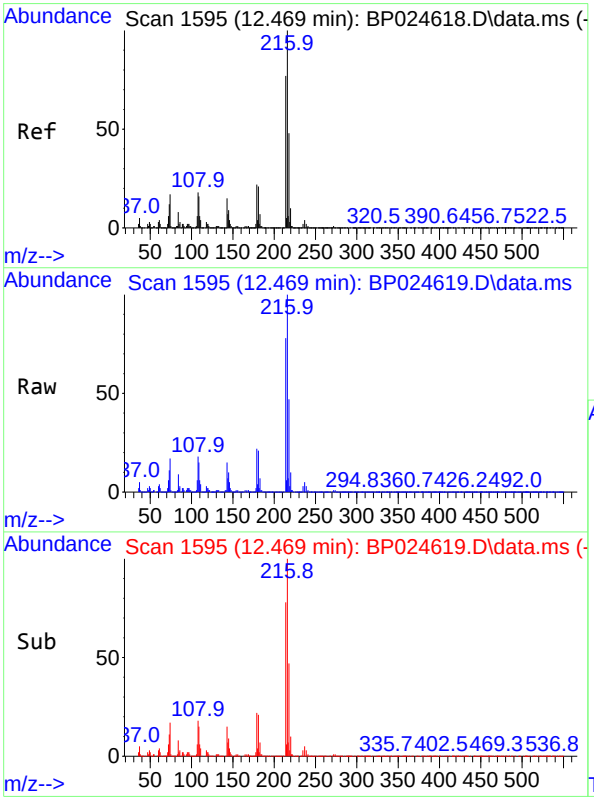
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.292 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 318760

Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.8	122.6
160	45.1	36.3	54.5

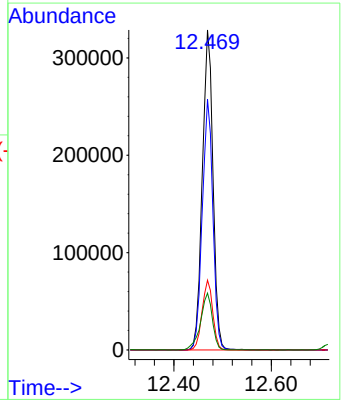


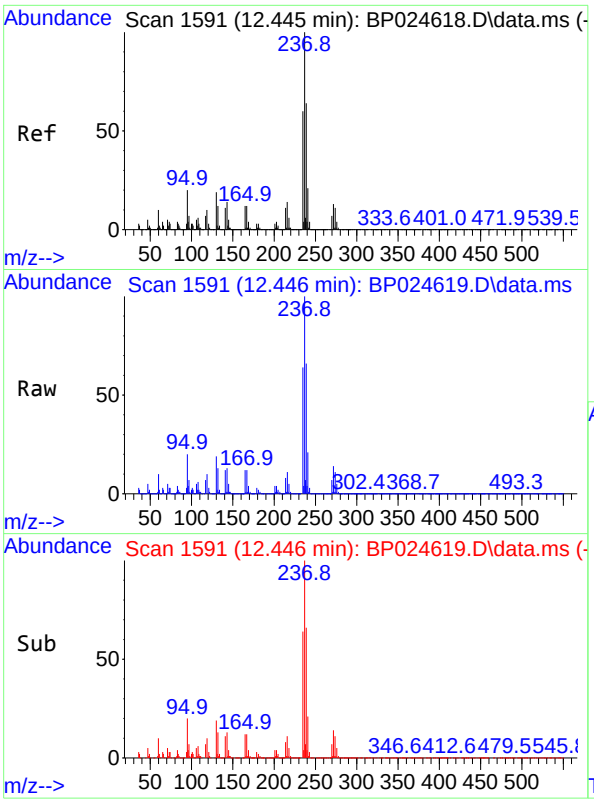


#40
1,2,4,5-Tetrachlorobenzene
Concen: 53.78 ng
RT: 12.469 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:216 Resp: 497848

Ion	Ratio	Lower	Upper
216	100		
214	78.0	62.3	93.5
179	21.9	17.7	26.5
108	19.7	16.0	24.0



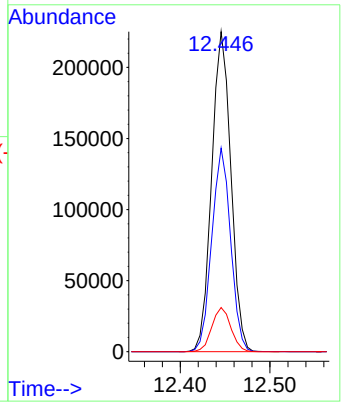


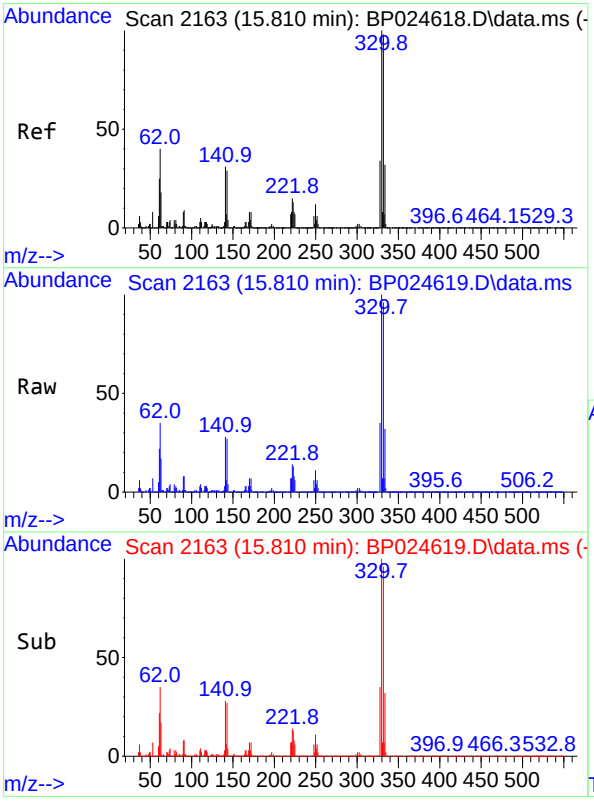
#41
Hexachlorocyclopentadiene
Concen: 59.64 ng
RT: 12.446 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 334752

Ion	Ratio	Lower	Upper
237	100		
235	63.6	39.9	79.9
272	13.8	0.0	33.2

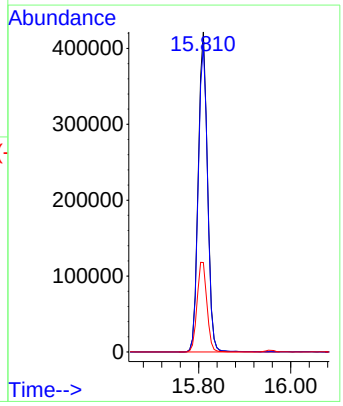


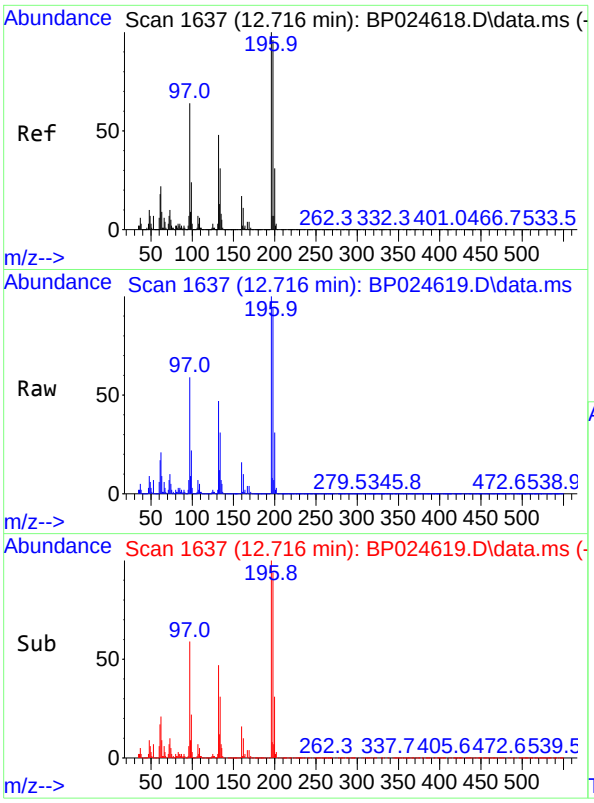


#42
2,4,6-Tribromophenol
Concen: 108.72 ng
RT: 15.810 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:330 Resp: 587523

Ion	Ratio	Lower	Upper
330	100		
332	96.9	78.2	117.4
141	29.7	24.3	36.5



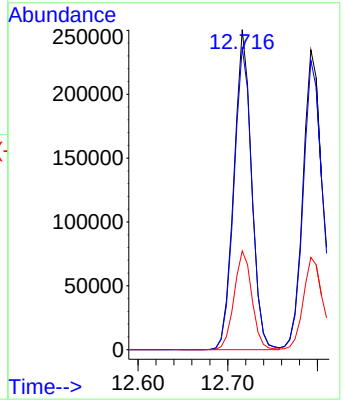


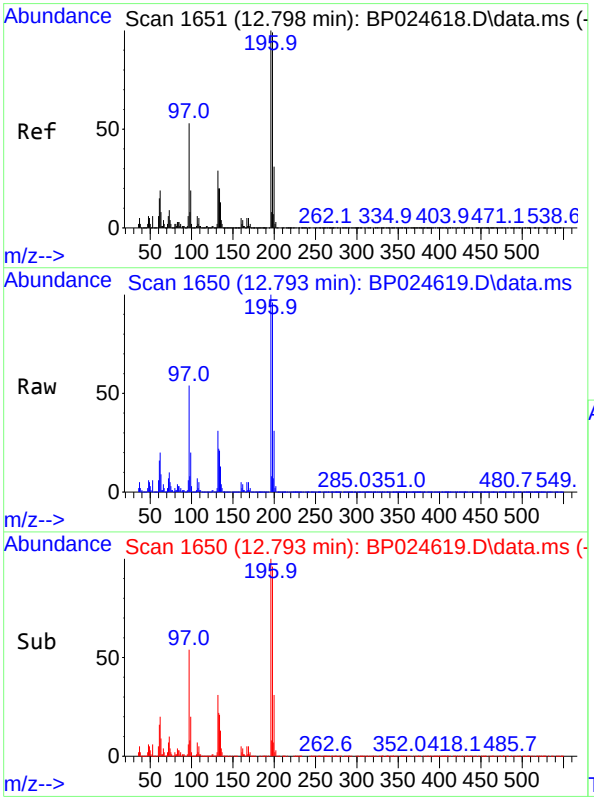
#43
2,4,6-Trichlorophenol
Concen: 56.89 ng
RT: 12.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 341059

Ion	Ratio	Lower	Upper
196	100		
198	94.5	76.9	115.3
200	30.9	25.2	37.8

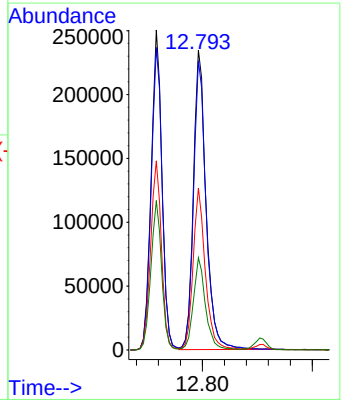


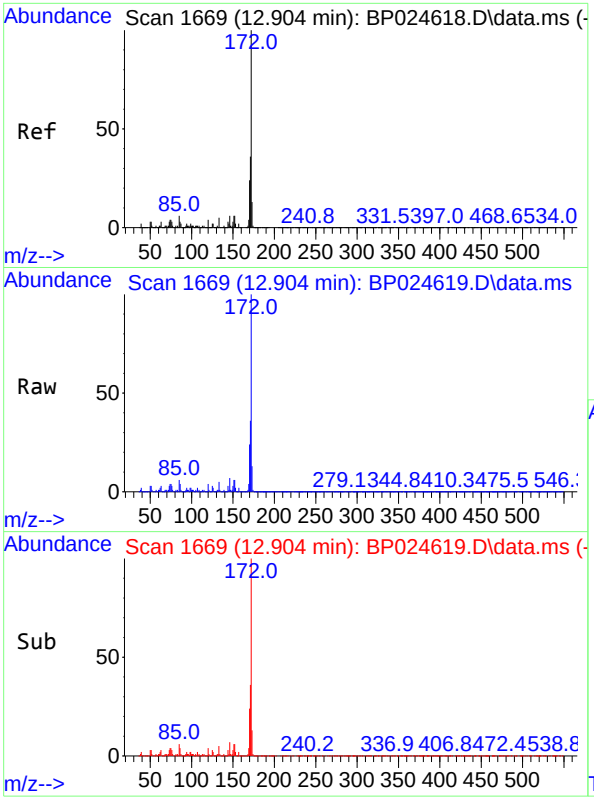


#44
2,4,5-Trichlorophenol
Concen: 56.24 ng
RT: 12.793 min Scan# 1650
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:196 Resp: 375330

Ion	Ratio	Lower	Upper
196	100		
198	96.5	79.2	118.8
97	54.0	42.3	63.5
132	30.8	23.3	34.9



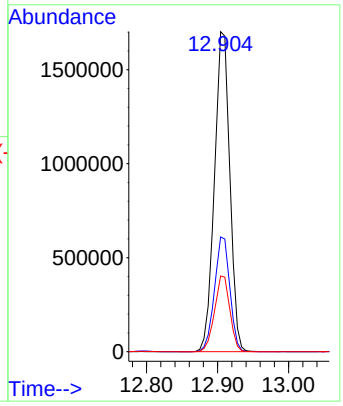


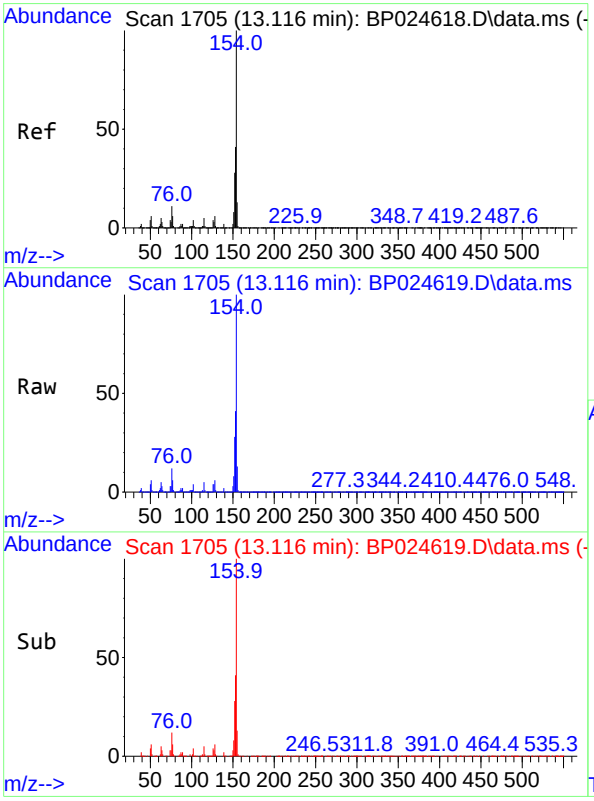
#45
2-Fluorobiphenyl
Concen: 104.96 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 2553765

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.8	43.2
170	23.7	18.8	28.2

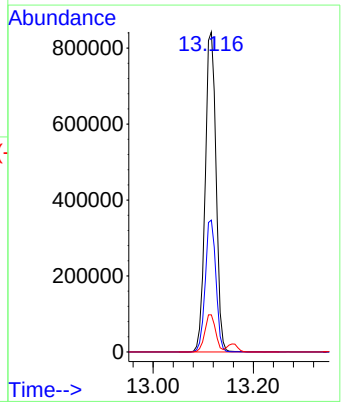


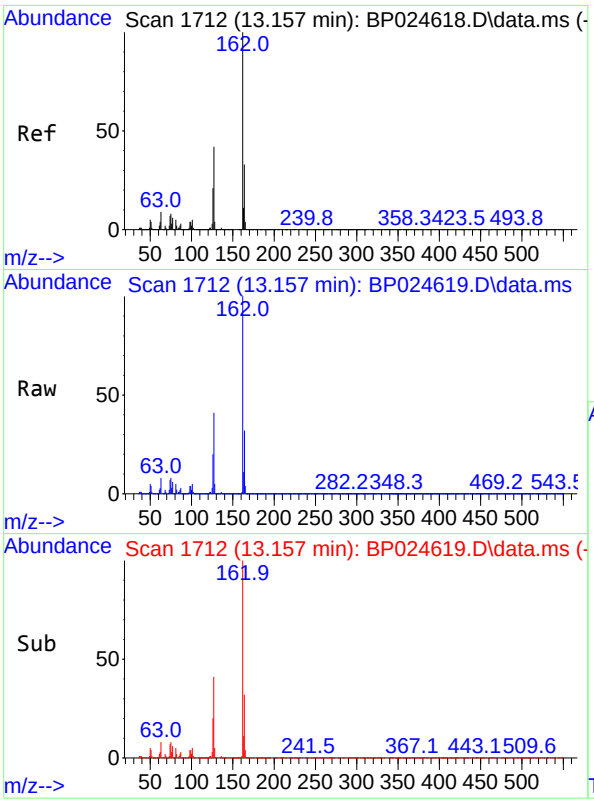


#46
1,1'-Biphenyl
Concen: 53.64 ng
RT: 13.116 min Scan# 1705
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:154 Resp: 1263640

Ion	Ratio	Lower	Upper
154	100		
153	41.2	21.0	61.0
76	11.6	0.0	31.5



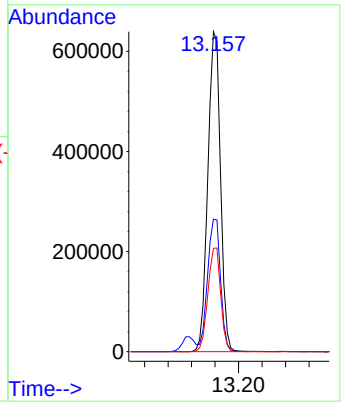


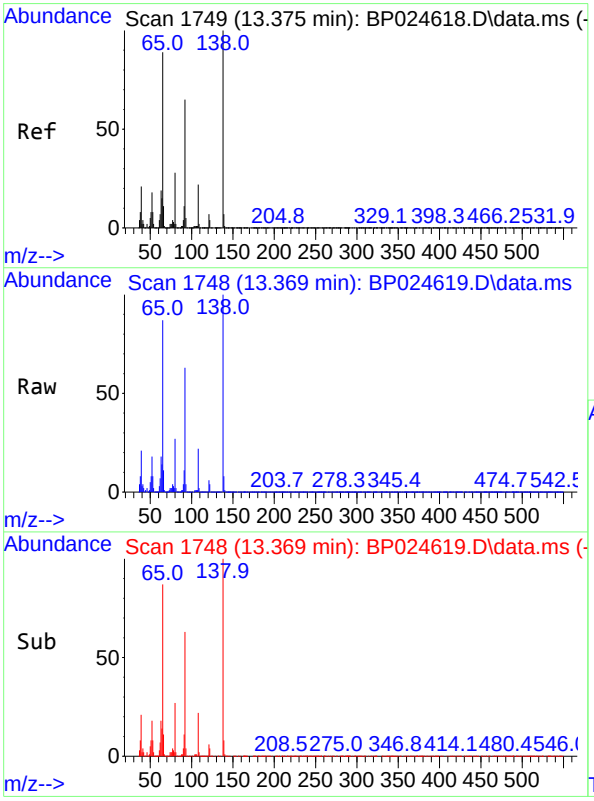
#47
2-Chloronaphthalene
Concen: 53.04 ng
RT: 13.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 952857

Ion	Ratio	Lower	Upper
162	100		
127	41.4	33.8	50.6
164	32.3	26.0	39.0

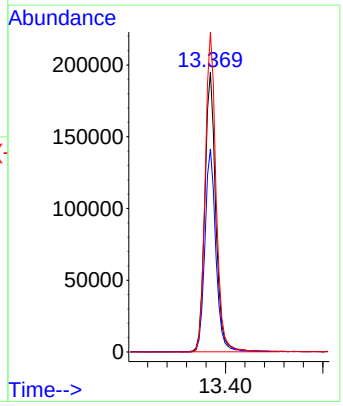


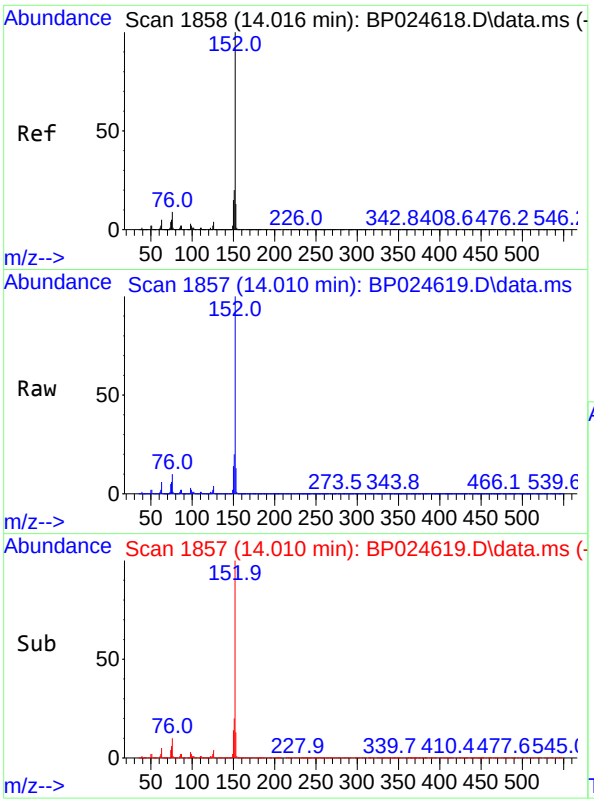


#48
2-Nitroaniline
Concen: 57.06 ng
RT: 13.369 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion: 65 Resp: 303475

Ion	Ratio	Lower	Upper
65	100		
92	72.5	58.7	88.1
138	114.3	90.2	135.2



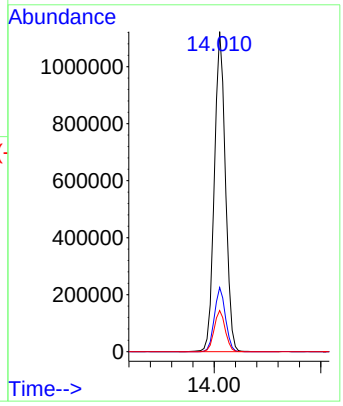


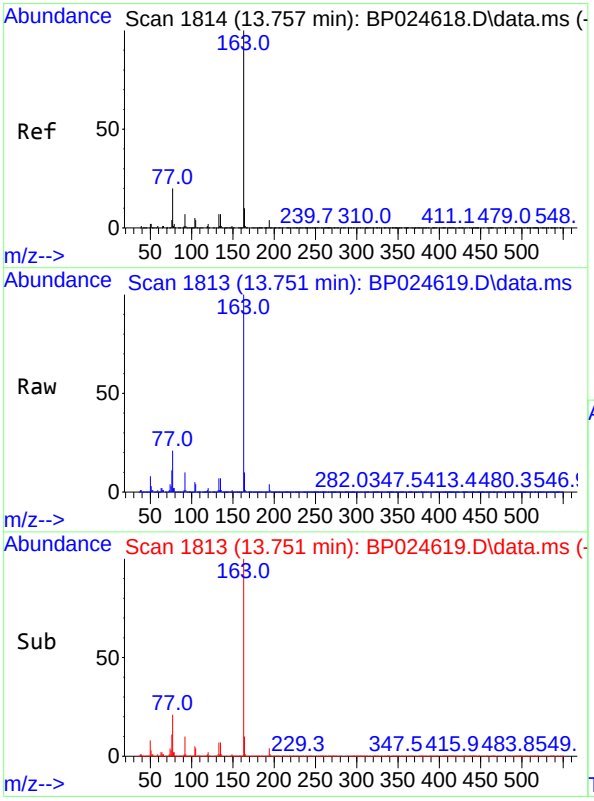
#49
Acenaphthylene
Concen: 53.79 ng
RT: 14.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 1616938

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.4
153	12.9	10.2	15.4

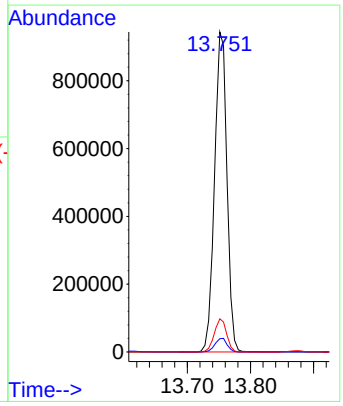


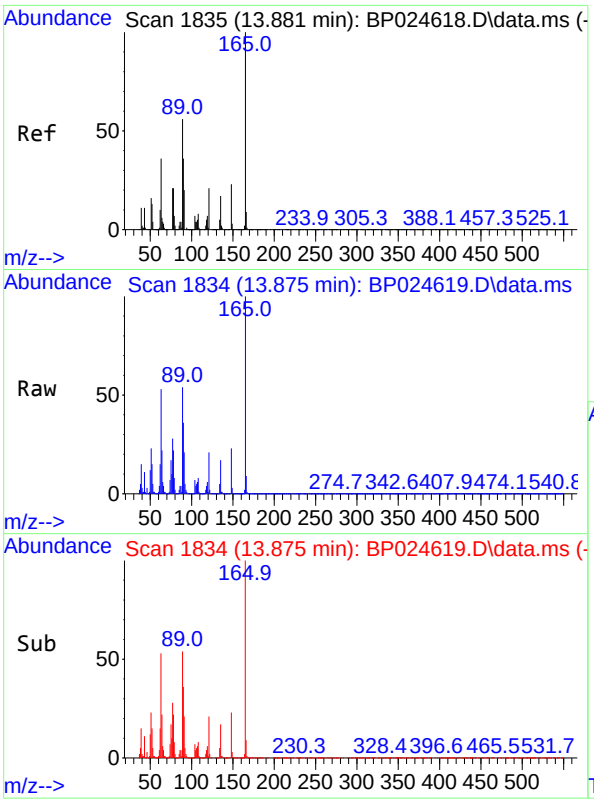


#50
Dimethylphthalate
Concen: 52.83 ng
RT: 13.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:163 Resp: 1283491

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.4	8.1	12.1



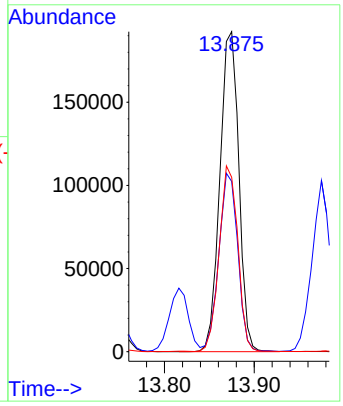


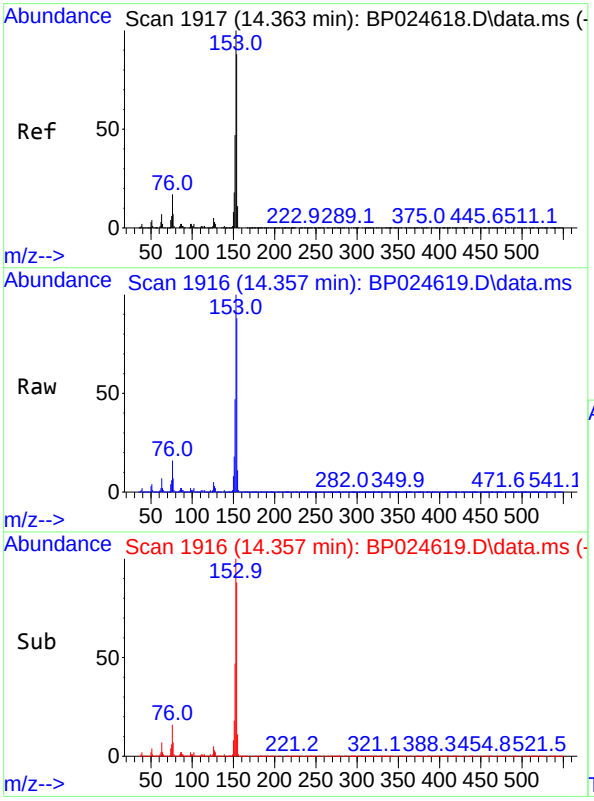
#51
2,6-Dinitrotoluene
Concen: 54.91 ng
RT: 13.875 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 281728

Ion	Ratio	Lower	Upper
165	100		
63	53.2	42.4	63.6
89	54.5	44.8	67.2

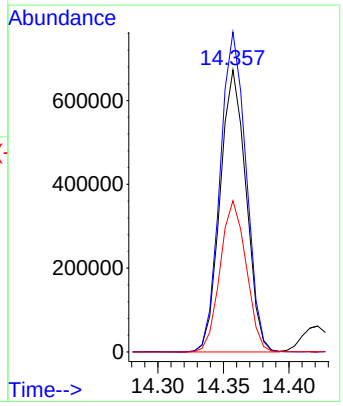


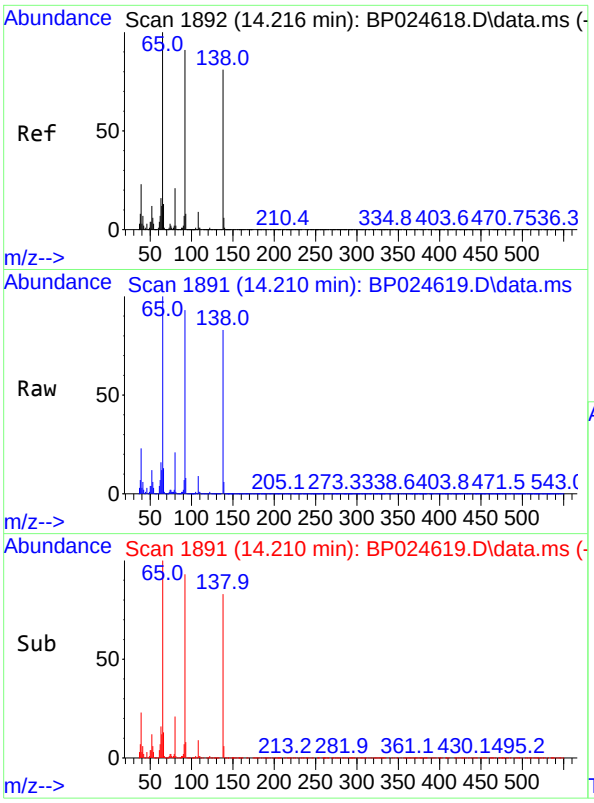


#52
Acenaphthene
Concen: 53.42 ng
RT: 14.357 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:154 Resp: 923238

Ion	Ratio	Lower	Upper
154	100		
153	113.5	91.0	136.4
152	53.6	42.9	64.3



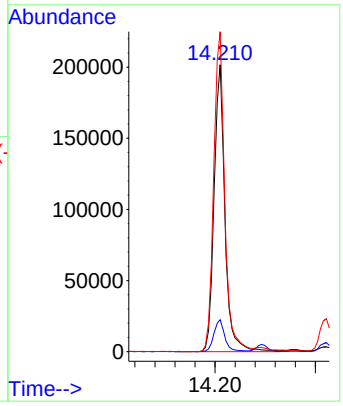


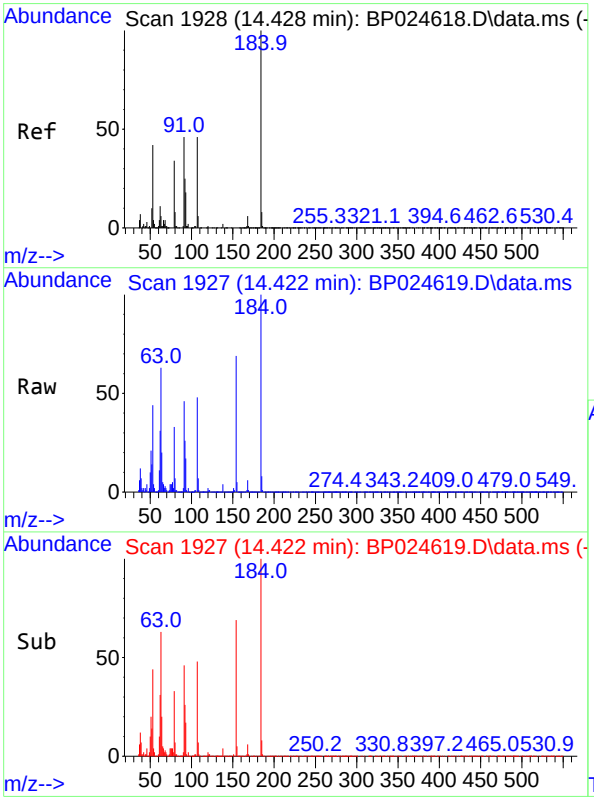
#53
3-Nitroaniline
Concen: 57.71 ng
RT: 14.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 302341

Ion	Ratio	Lower	Upper
138	100		
108	11.2	9.0	13.4
92	111.5	90.1	135.1

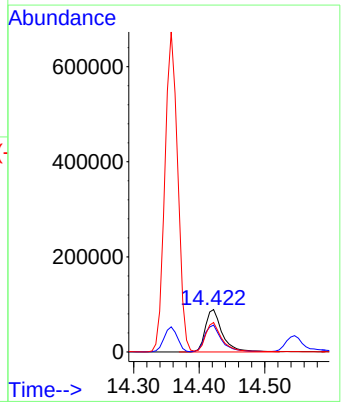


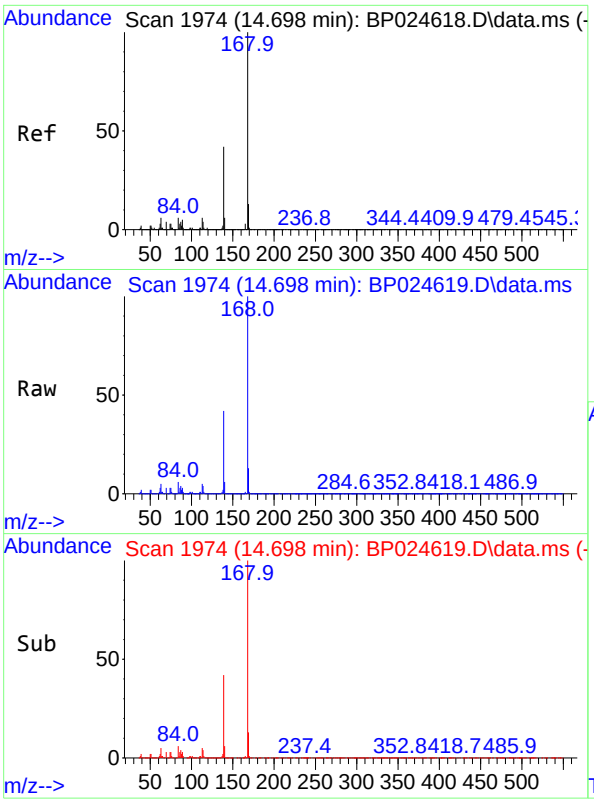


#54
2,4-Dinitrophenol
Concen: 51.86 ng
RT: 14.422 min Scan# 1927
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:184 Resp: 159888

Ion	Ratio	Lower	Upper
184	100		
63	63.3	51.3	76.9
154	69.3	53.5	80.3



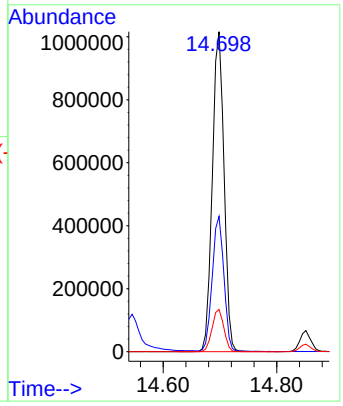


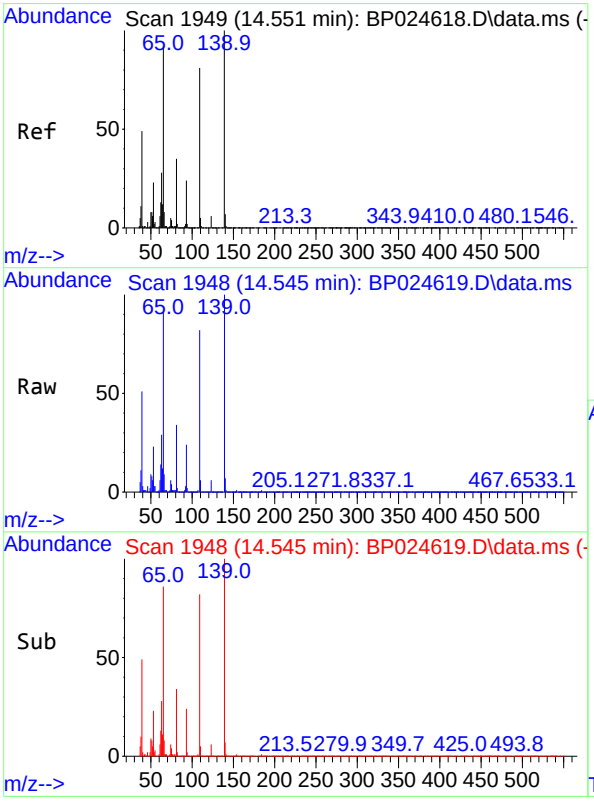
#55
Dibenzofuran
Concen: 52.50 ng
RT: 14.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 1447333

Ion	Ratio	Lower	Upper
168	100		
139	42.3	34.2	51.4
169	13.2	10.8	16.2

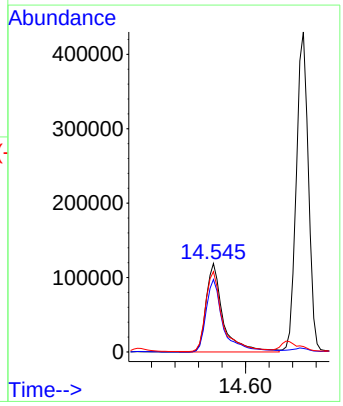


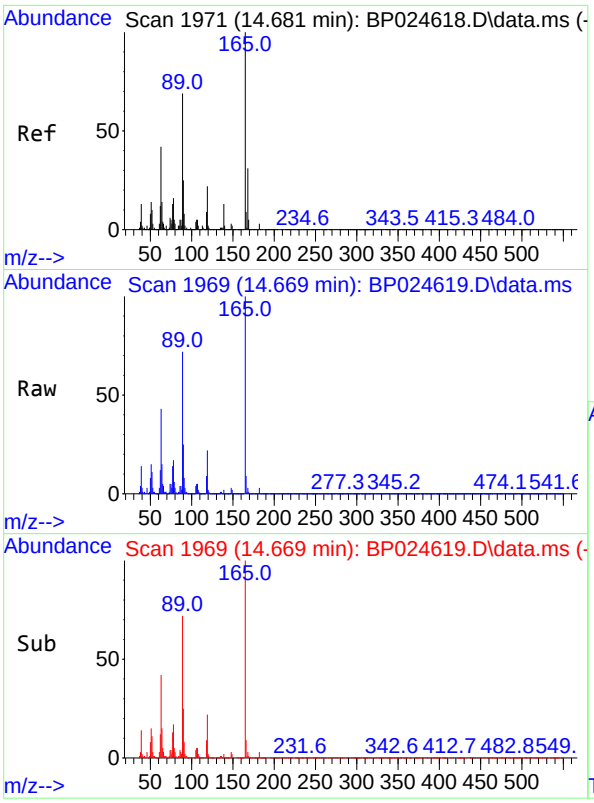


#56
4-Nitrophenol
Concen: 53.99 ng
RT: 14.545 min Scan# 1948
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:139 Resp: 238294

Ion	Ratio	Lower	Upper
139	100		
109	82.0	61.4	101.4
65	90.8	72.2	112.2



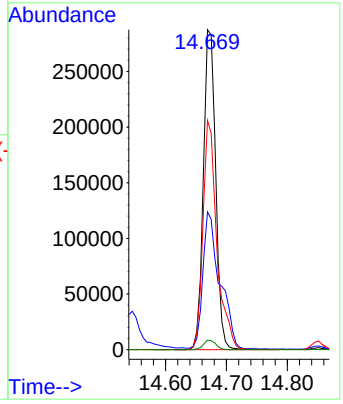


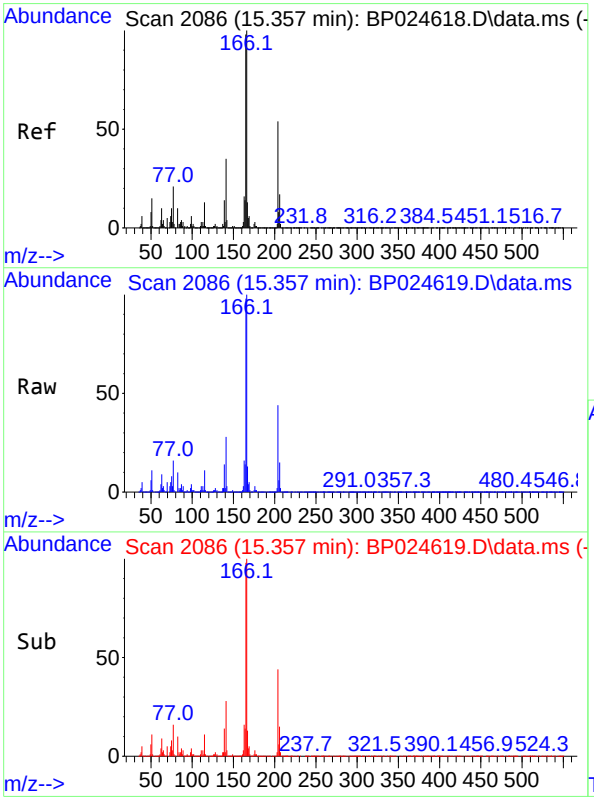
#57
2,4-Dinitrotoluene
Concen: 55.94 ng
RT: 14.669 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 404684

Ion	Ratio	Lower	Upper
165	100		
63	43.0	33.8	50.6
89	71.7	55.6	83.4
182	3.0	2.4	3.6

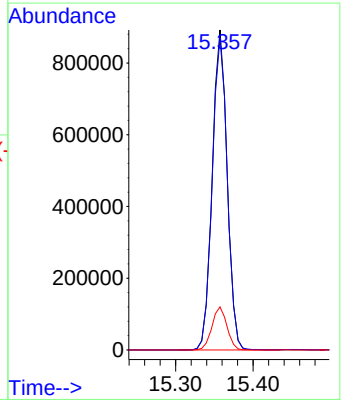


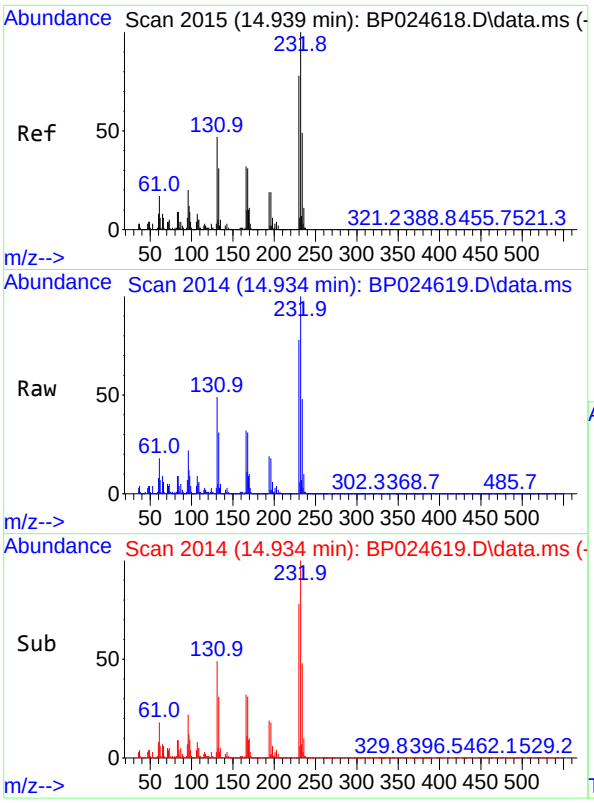


#58
Fluorene
Concen: 52.97 ng
RT: 15.357 min Scan# 2086
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:166 Resp: 1190632

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.5	117.7
167	13.4	10.7	16.1



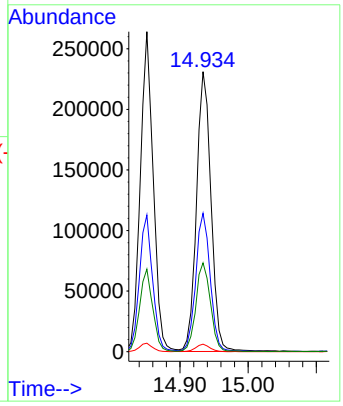


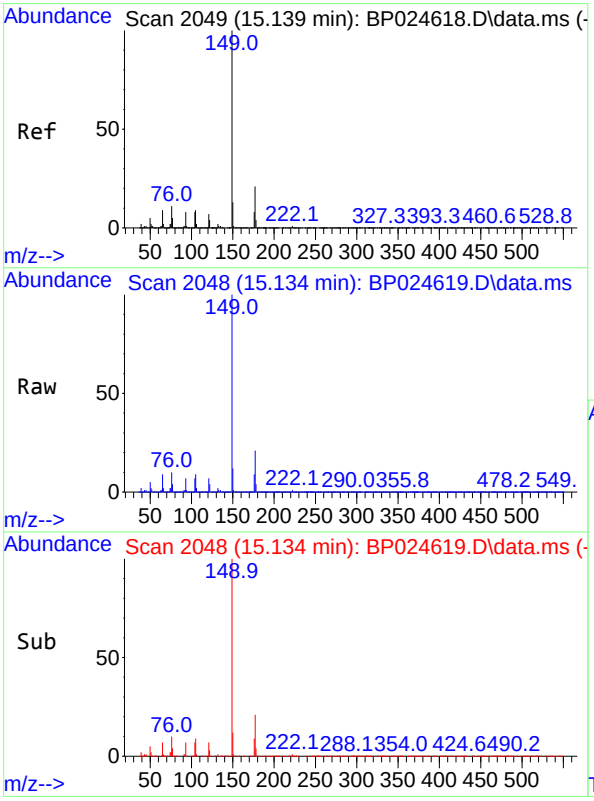
#59
2,3,4,6-Tetrachlorophenol
Concen: 55.11 ng
RT: 14.934 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 341204

Ion	Ratio	Lower	Upper
232	100		
131	49.3	39.5	59.3
130	2.6	2.2	3.4
166	31.8	25.7	38.5

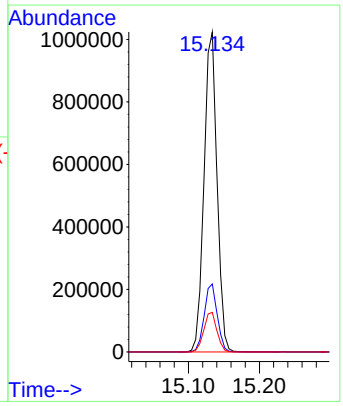


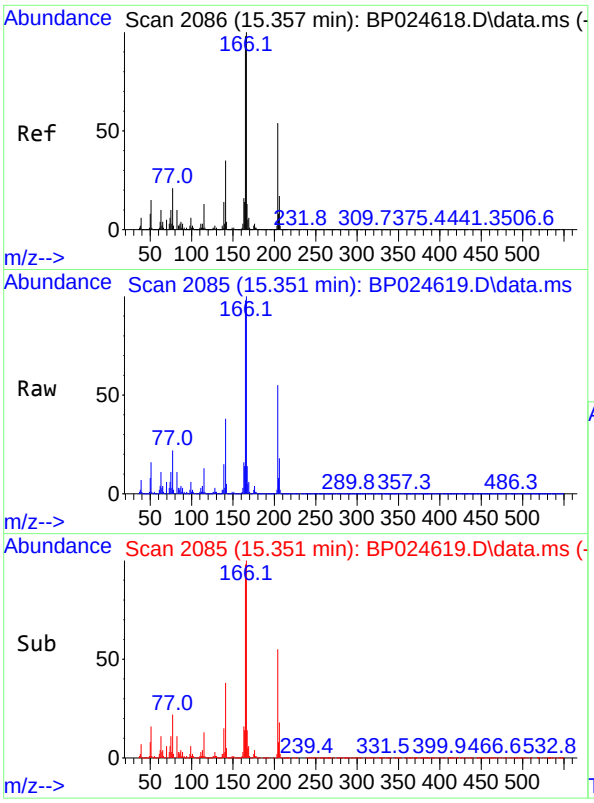


#60
Diethylphthalate
Concen: 53.18 ng
RT: 15.134 min Scan# 2048
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:149 Resp: 1305791

Ion	Ratio	Lower	Upper
149	100		
177	21.3	16.7	25.1
150	12.3	10.2	15.2



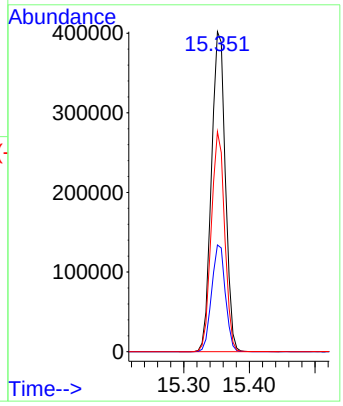


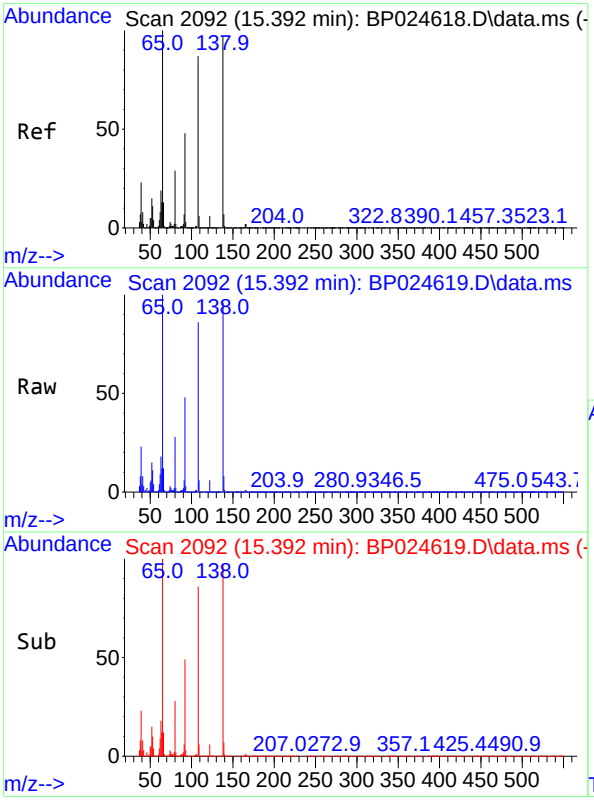
#61
4-Chlorophenyl-phenylether
Concen: 52.67 ng
RT: 15.351 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 590421

Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.0	39.0
141	68.7	52.9	79.3

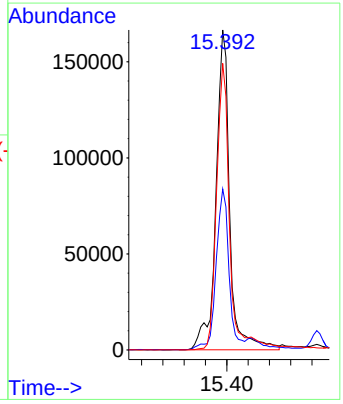


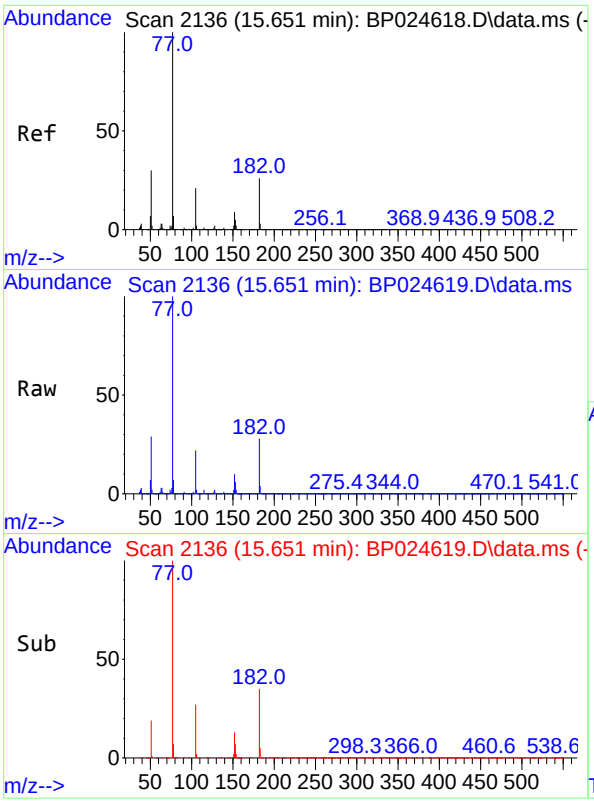


#62
4-Nitroaniline
Concen: 58.55 ng
RT: 15.392 min Scan# 2092
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:138 Resp: 298681

Ion	Ratio	Lower	Upper
138	100		
92	50.3	29.2	69.2
108	89.6	69.0	109.0



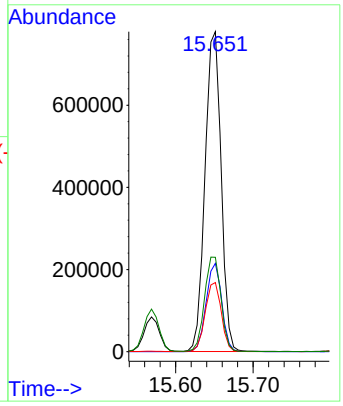


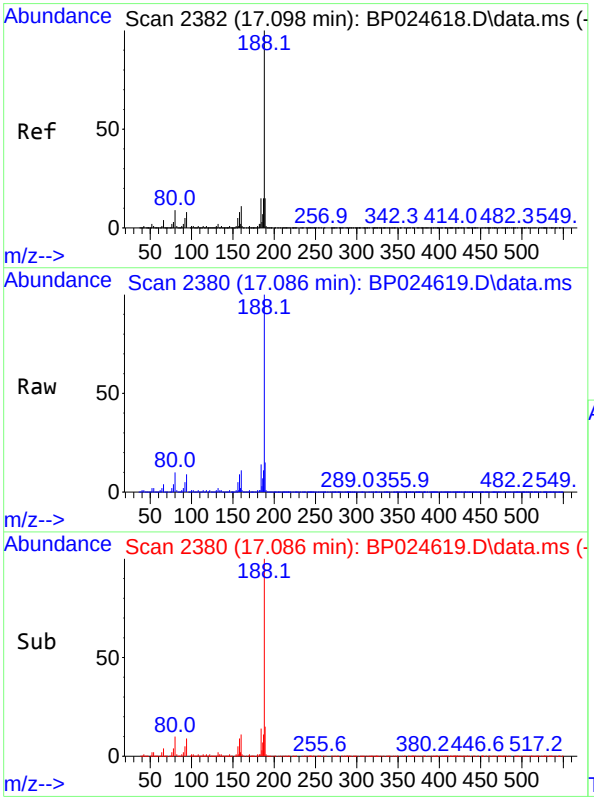
#63
Azobenzene
Concen: 53.39 ng
RT: 15.651 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 1121556

Ion	Ratio	Lower	Upper
77	100		
182	27.6	5.7	45.7
105	21.6	1.3	41.3
51	29.5	10.6	50.6

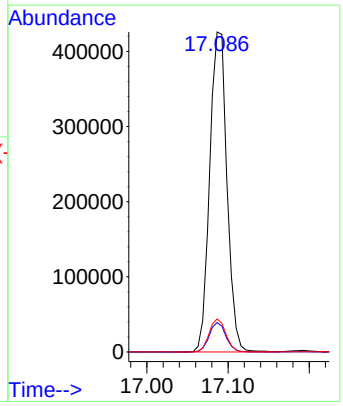


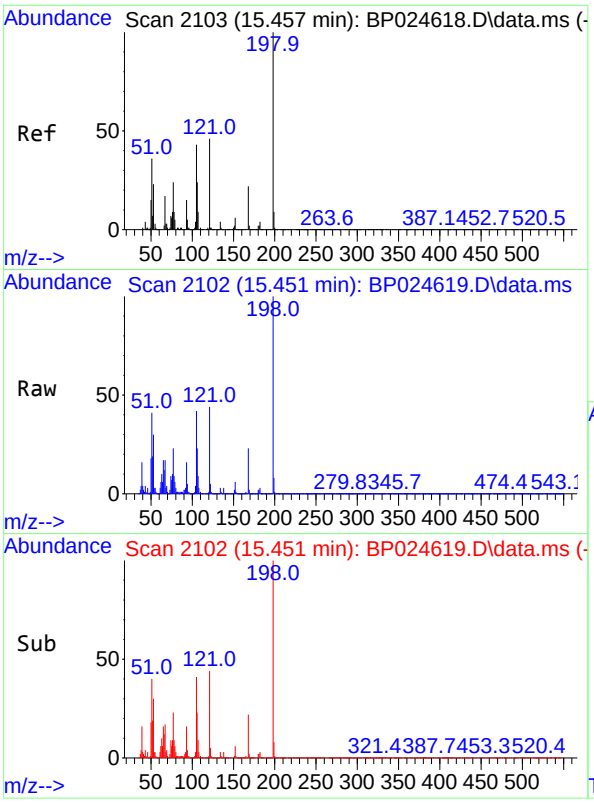


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.086 min Scan# 2380
Delta R.T. -0.012 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:188 Resp: 628781

Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.5	9.7
80	10.3	7.3	10.9



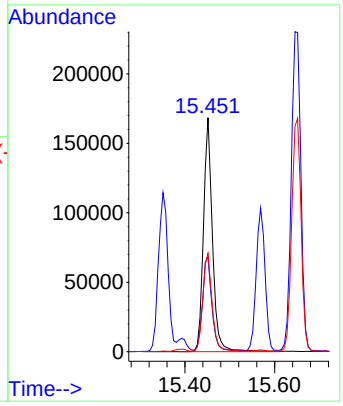


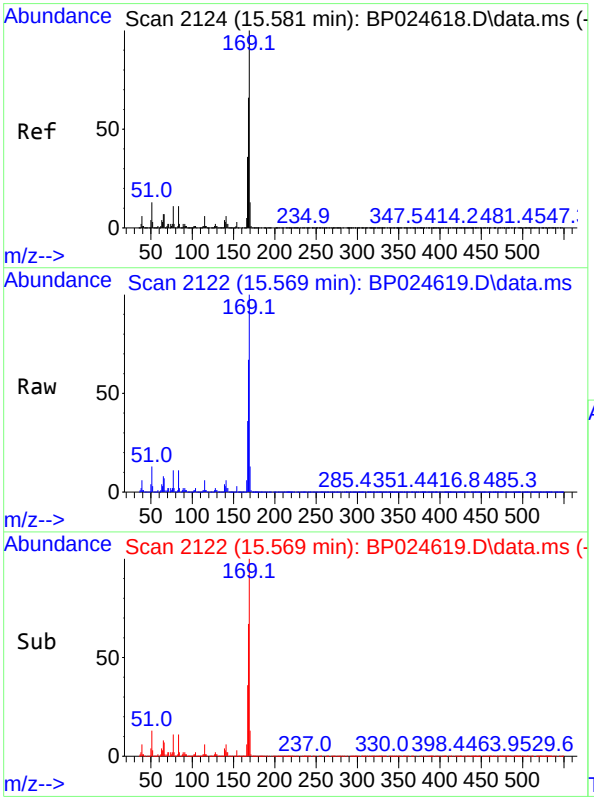
#65
4,6-Dinitro-2-methylphenol
Concen: 57.64 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 234095

Ion	Ratio	Lower	Upper
198	100		
51	40.5	21.1	61.1
105	42.1	23.6	63.6

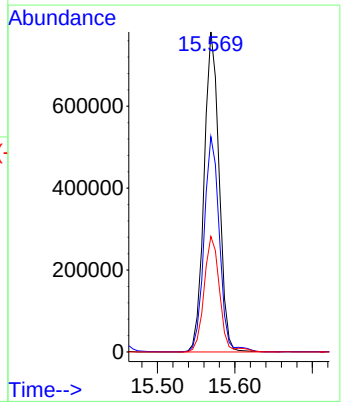


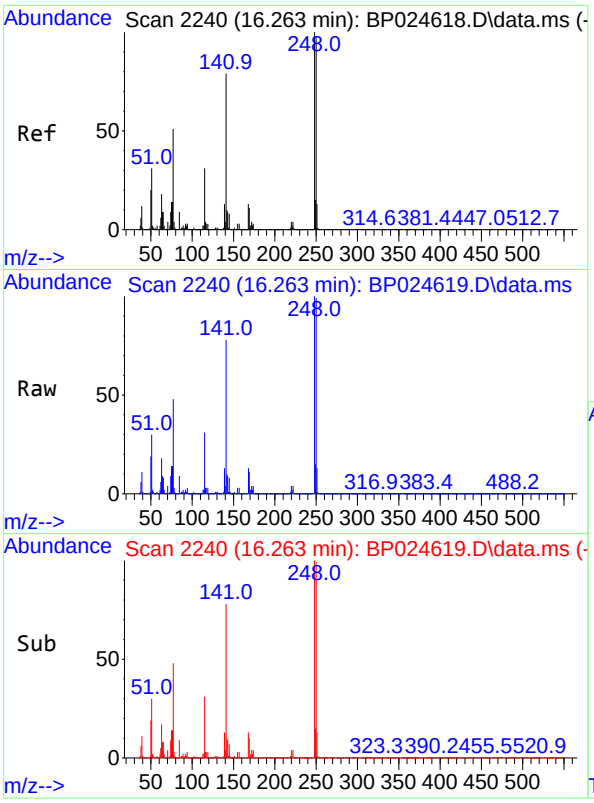


#66
n-Nitrosodiphenylamine
Concen: 54.28 ng
RT: 15.569 min Scan# 2122
Delta R.T. -0.012 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:169 Resp: 1048396

Ion	Ratio	Lower	Upper
169	100		
168	67.3	53.2	79.8
167	36.1	28.6	43.0



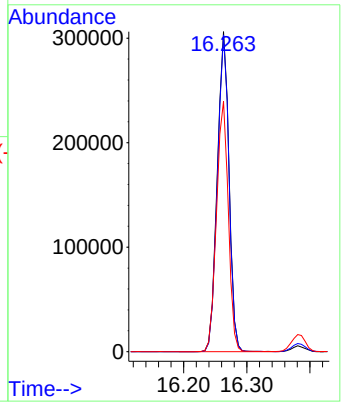


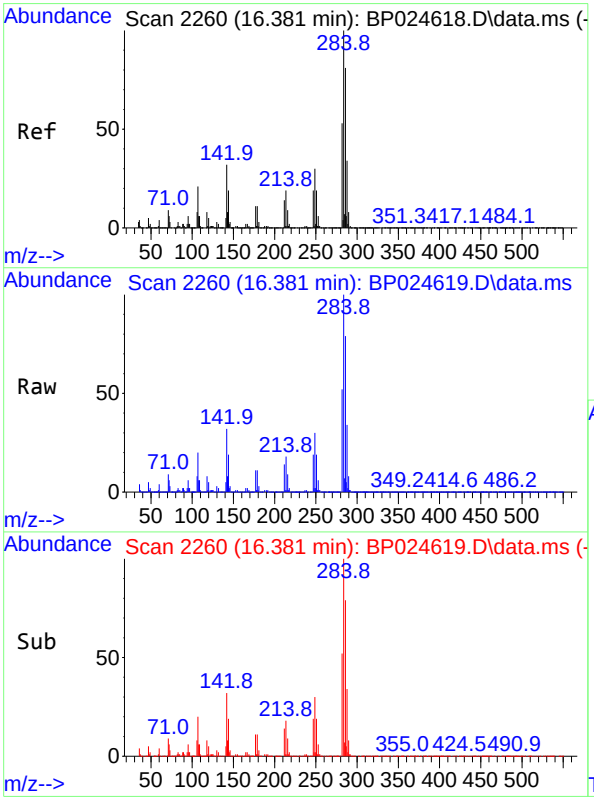
#67
4-Bromophenyl-phenylether
Concen: 53.50 ng
RT: 16.263 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 396385

Ion	Ratio	Lower	Upper
248	100		
250	99.0	78.2	117.4
141	78.2	63.0	94.6

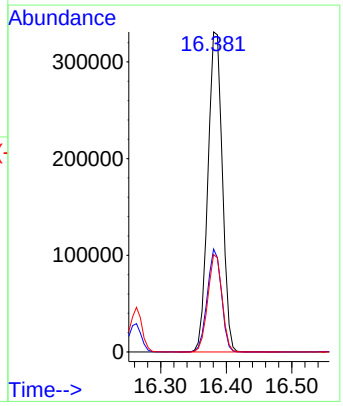


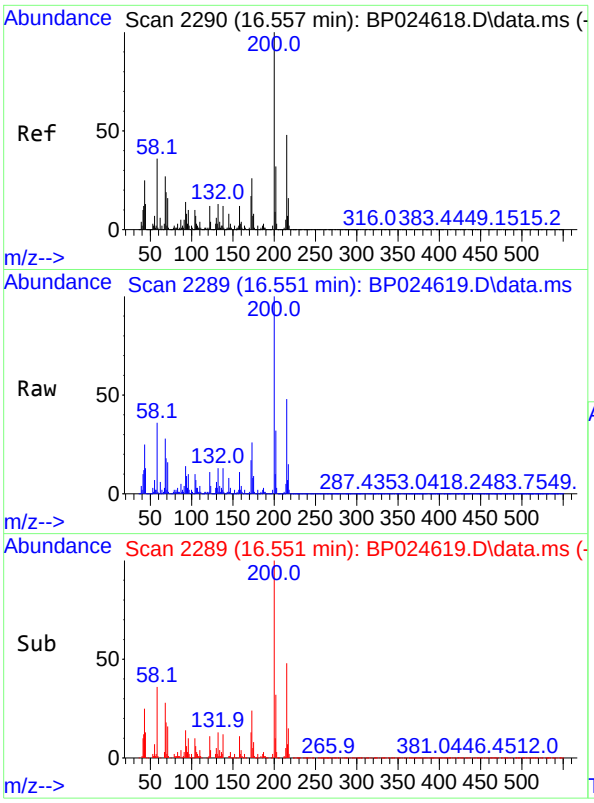


#68
Hexachlorobenzene
Concen: 53.64 ng
RT: 16.381 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:284 Resp: 504987

Ion	Ratio	Lower	Upper
284	100		
142	32.1	25.9	38.9
249	30.4	24.1	36.1



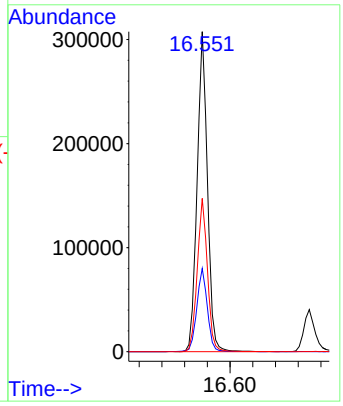


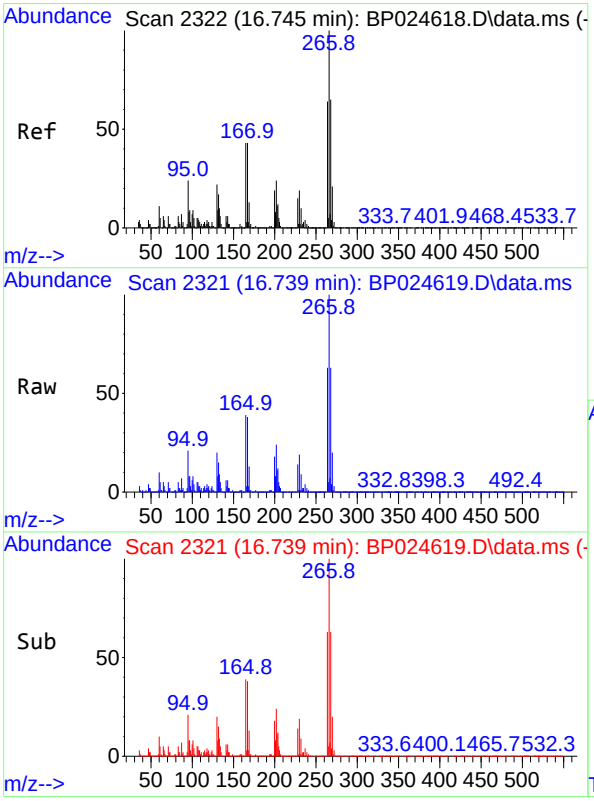
#69
Atrazine
Concen: 55.07 ng
RT: 16.551 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 389749

Ion	Ratio	Lower	Upper
200	100		
173	26.0	5.9	45.9
215	47.9	28.3	68.3

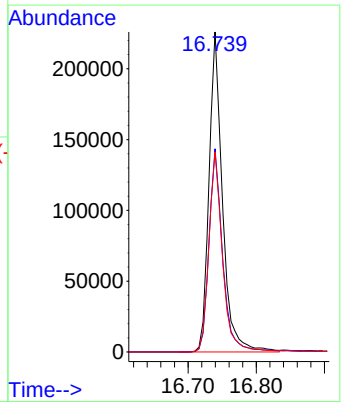


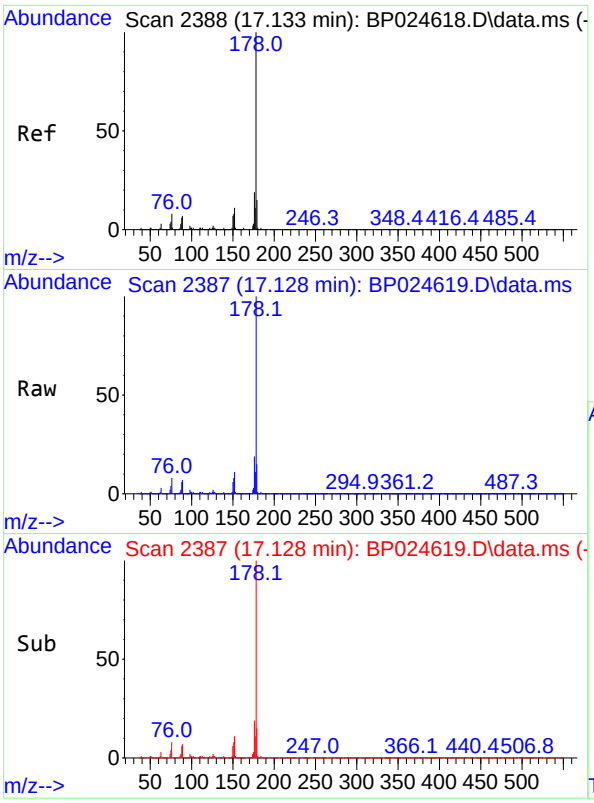


#70
Pentachlorophenol
Concen: 58.71 ng
RT: 16.739 min Scan# 2321
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:266 Resp: 310477

Ion	Ratio	Lower	Upper
266	100		
268	63.5	52.2	78.4
264	62.6	51.1	76.7



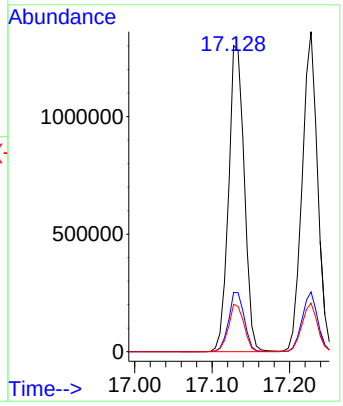


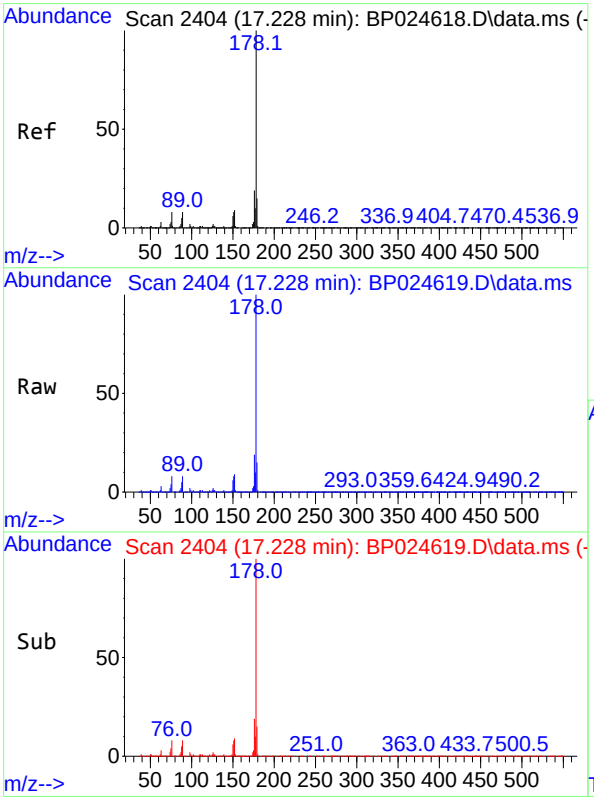
#71
Phenanthrene
Concen: 52.61 ng
RT: 17.128 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 1838891

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.5	12.2	18.4

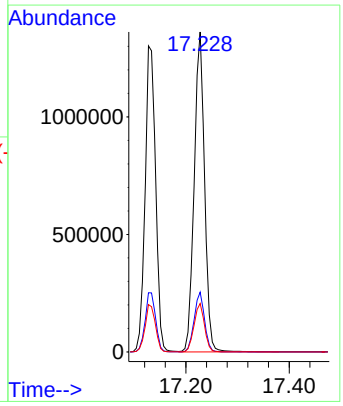


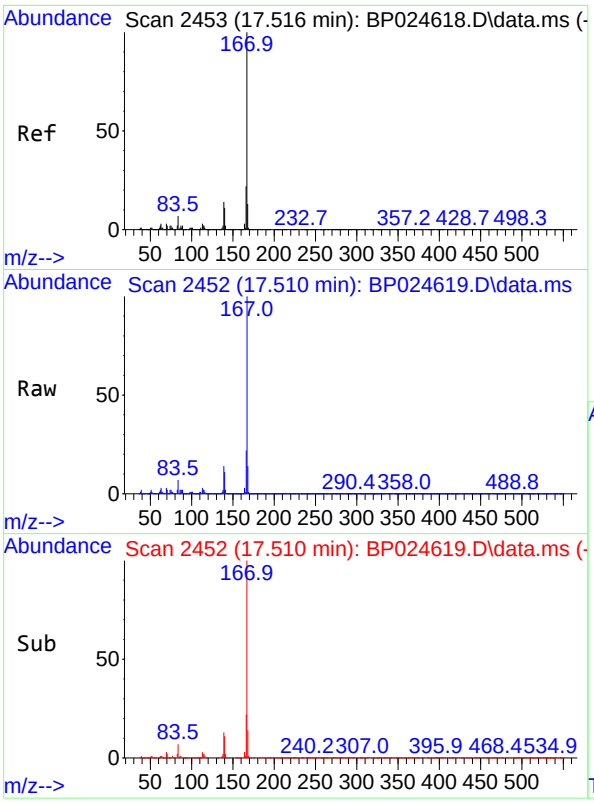


#72
Anthracene
Concen: 53.87 ng
RT: 17.228 min Scan# 2404
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:178 Resp: 1894573

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.1	12.2	18.2



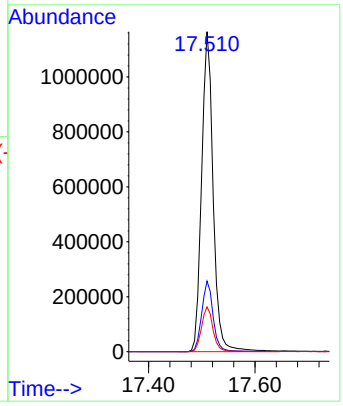


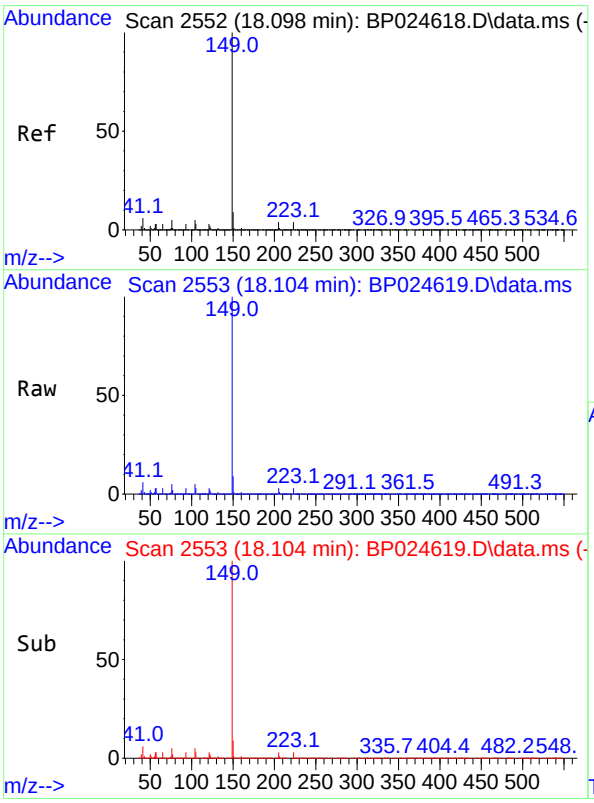
#73
Carbazole
Concen: 55.00 ng
RT: 17.510 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 1750681

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.7	26.5
139	14.0	11.3	16.9

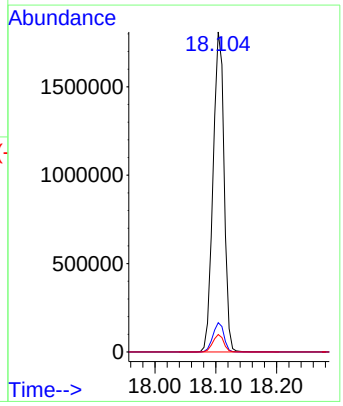


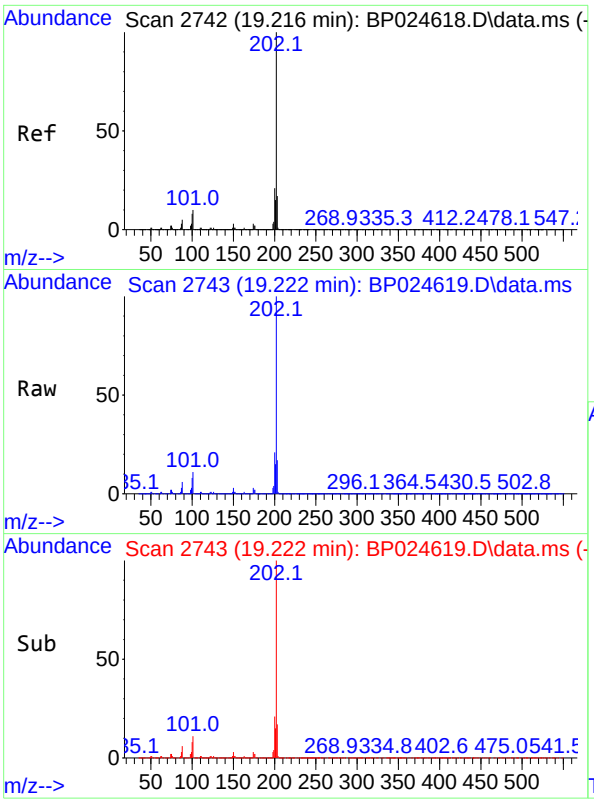


#74
Di-n-butylphthalate
Concen: 55.58 ng
RT: 18.104 min Scan# 2553
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:149 Resp: 2275163

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.2	10.8
104	5.4	4.3	6.5



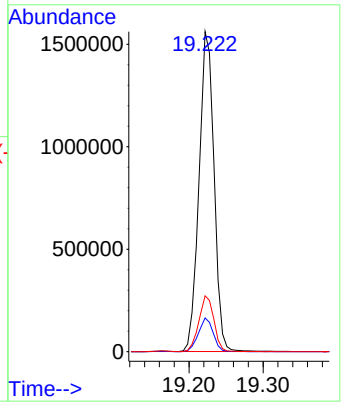


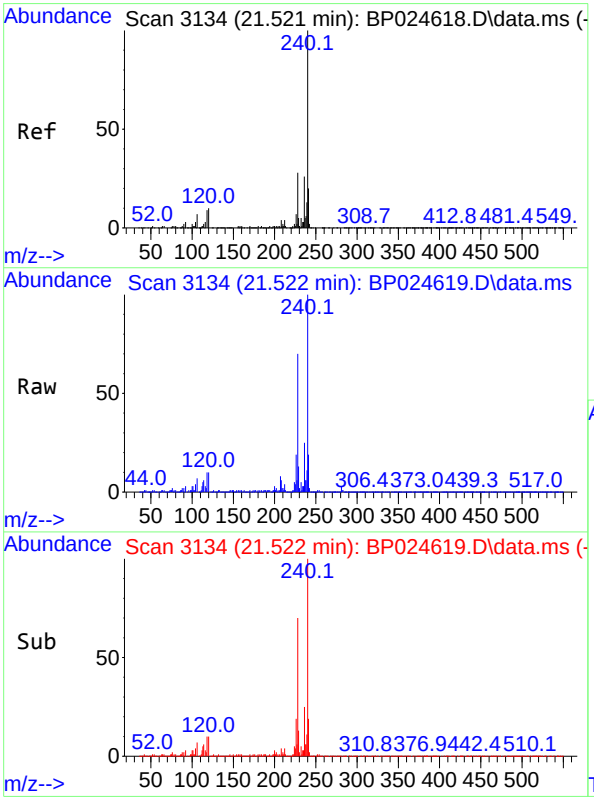
#75
Fluoranthene
Concen: 53.84 ng
RT: 19.222 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 2199818

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	30.3
203	17.4	0.0	37.5

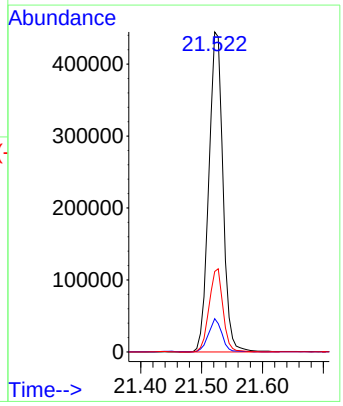


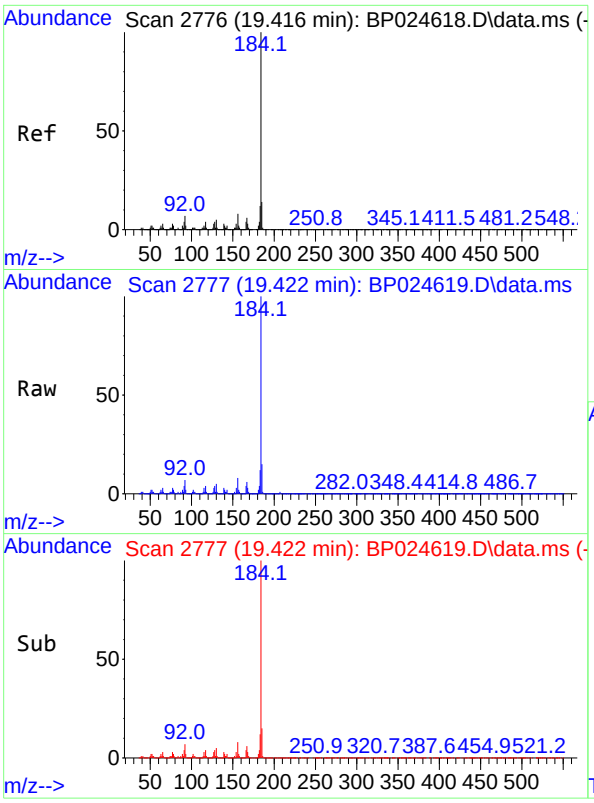


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.522 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:240 Resp: 717340

Ion	Ratio	Lower	Upper
240	100		
120	10.4	7.8	11.6
236	25.1	20.6	31.0



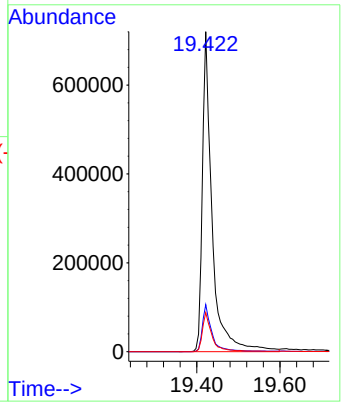


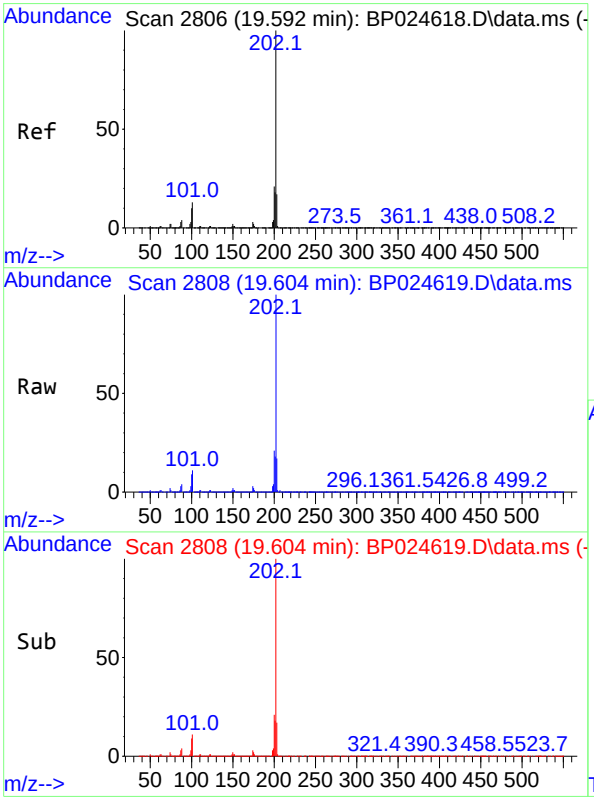
#77
Benzidine
Concen: 59.85 ng
RT: 19.422 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 1178505

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.2	16.8
183	12.2	9.8	14.8

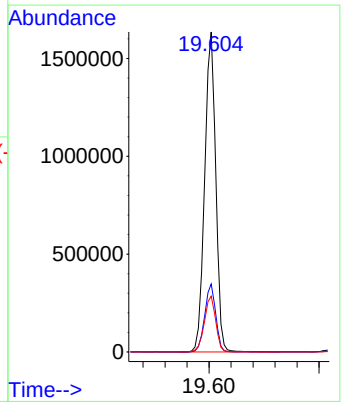


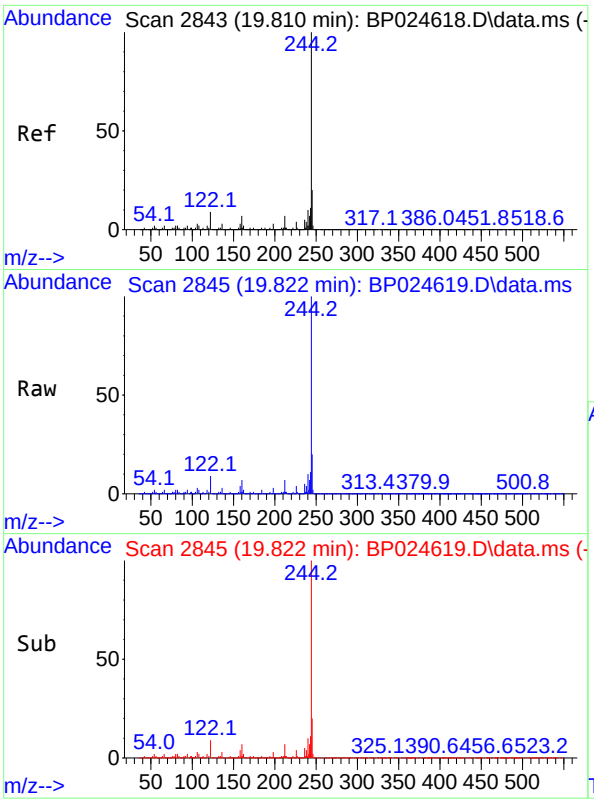


#78
Pyrene
Concen: 53.11 ng
RT: 19.604 min Scan# 2808
Delta R.T. 0.012 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:202 Resp: 2282702

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.9	25.3
203	17.4	13.9	20.9



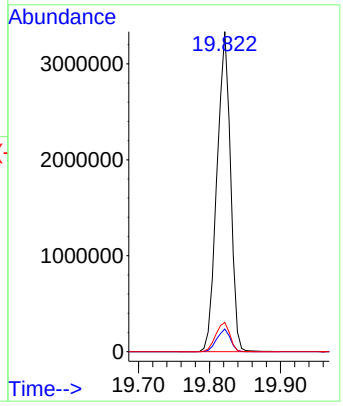


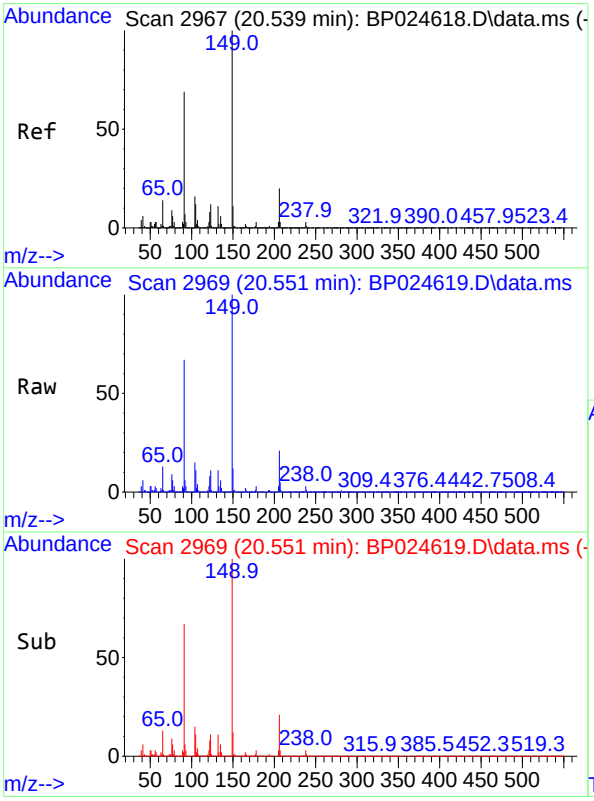
#79
Terphenyl-d14
Concen: 105.15 ng
RT: 19.822 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 4398872

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.5	8.3
122	9.2	7.4	11.0

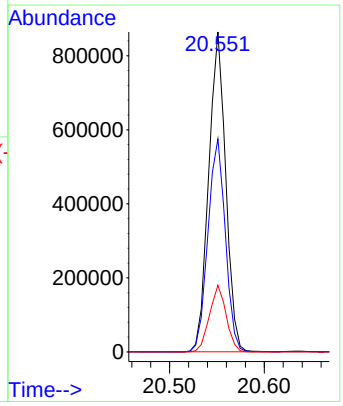


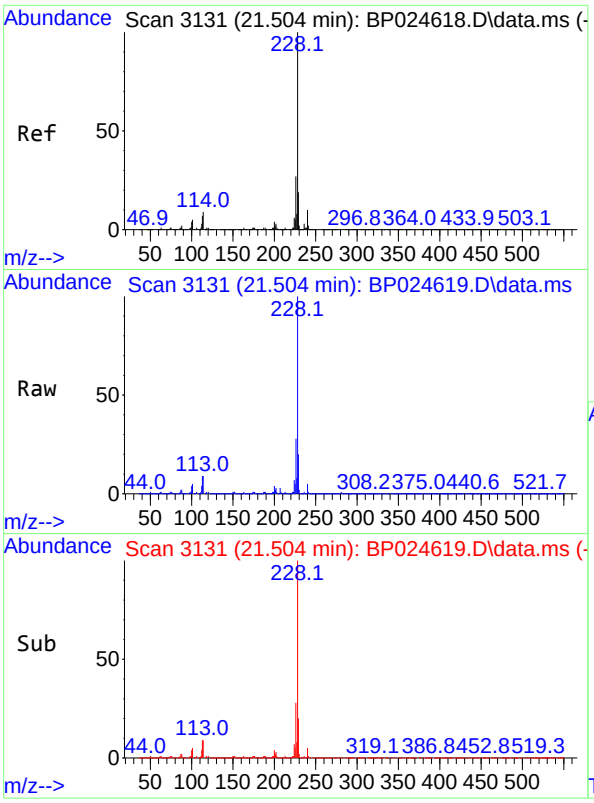


#80
Butylbenzylphthalate
Concen: 56.68 ng
RT: 20.551 min Scan# 2969
Delta R.T. 0.012 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:149 Resp: 1083395

Ion	Ratio	Lower	Upper
149	100		
91	66.6	55.4	83.0
206	20.8	16.2	24.2



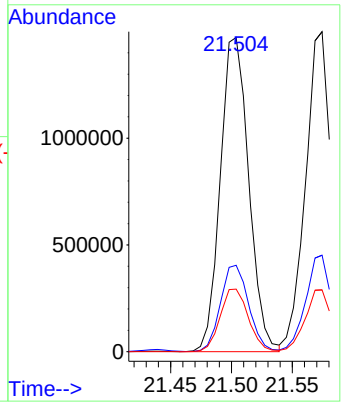


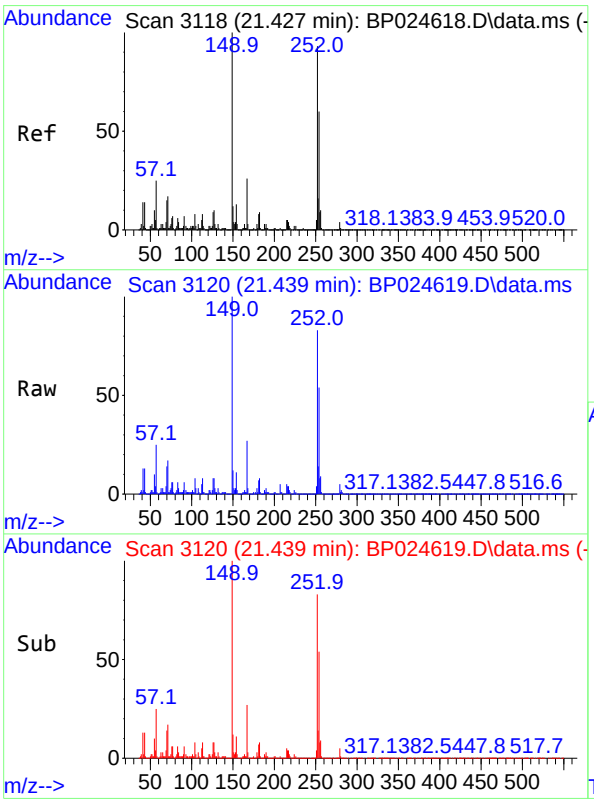
#81
Benzo(a)anthracene
Concen: 53.20 ng
RT: 21.504 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 2396398

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.4	32.0
229	19.9	15.5	23.3

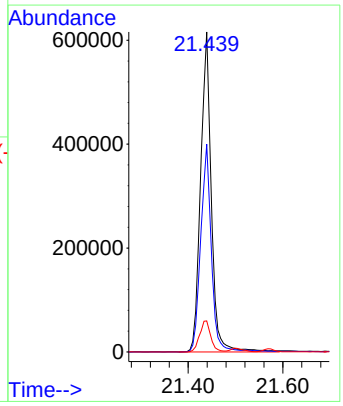


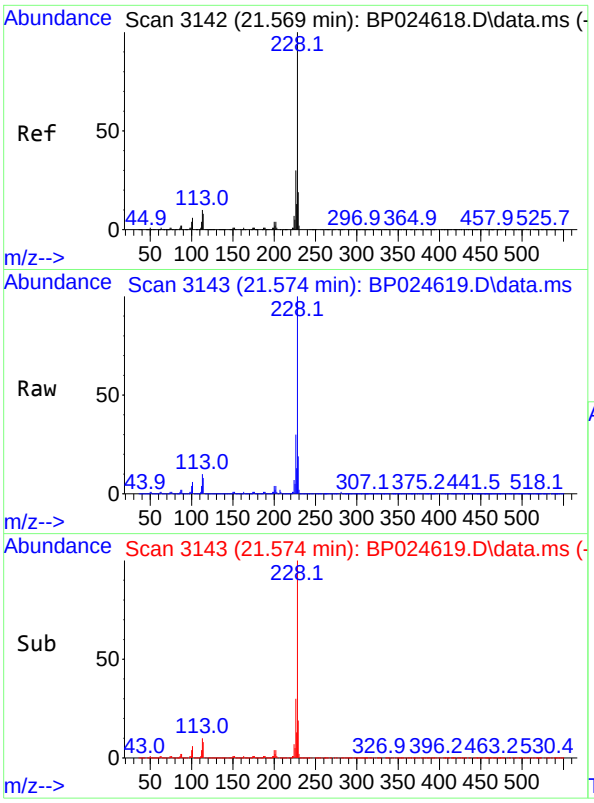


#82
3,3'-Dichlorobenzidine
Concen: 57.80 ng
RT: 21.439 min Scan# 3120
Delta R.T. 0.012 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:252 Resp: 966906

Ion	Ratio	Lower	Upper
252	100		
254	65.0	51.8	77.6
126	9.7	7.7	11.5



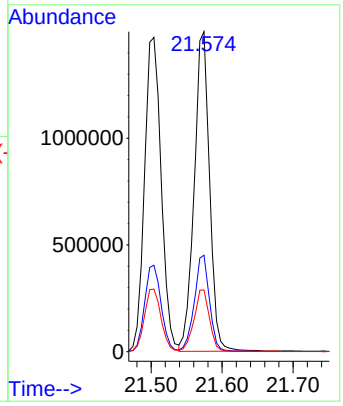


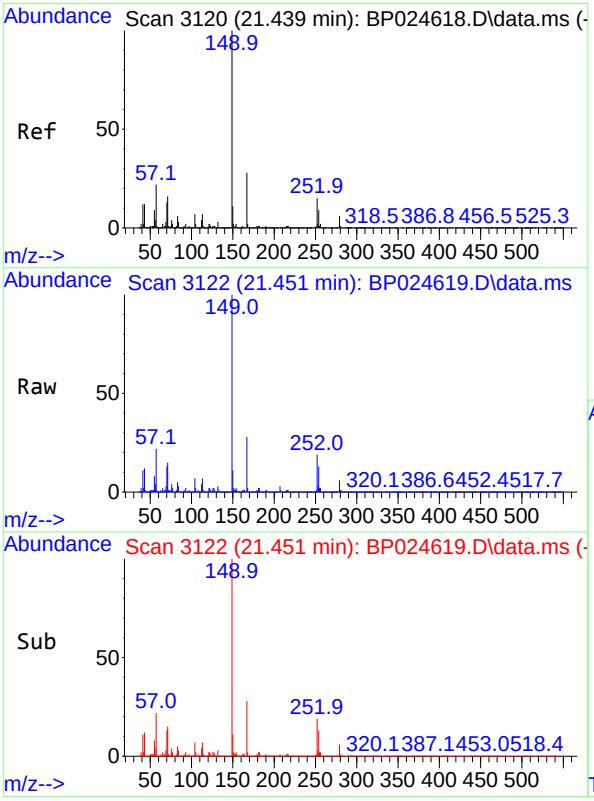
#83
Chrysene
Concen: 52.71 ng
RT: 21.574 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 2250800

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.9	35.9
229	19.3	15.5	23.3

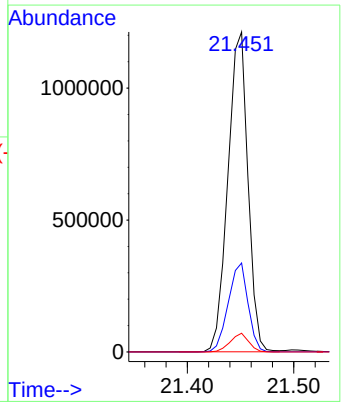


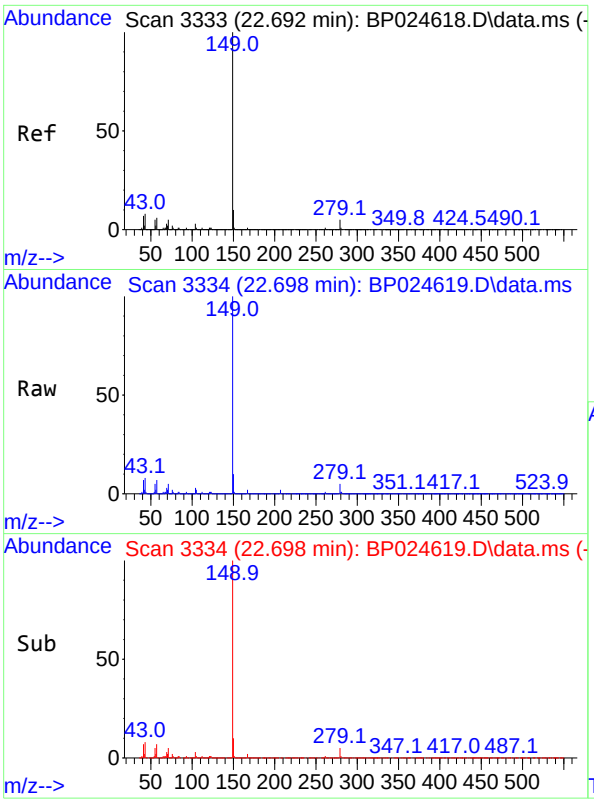


#84
Bis(2-ethylhexyl)phthalate
Concen: 56.42 ng
RT: 21.451 min Scan# 3122
Delta R.T. 0.012 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:149 Resp: 1585070

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.1	33.1
279	5.9	4.6	6.8



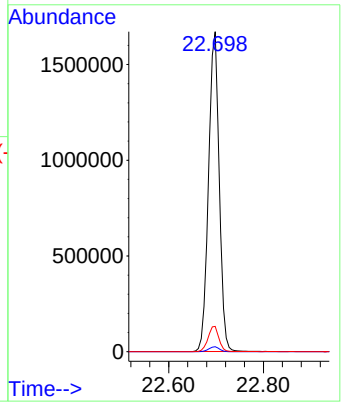


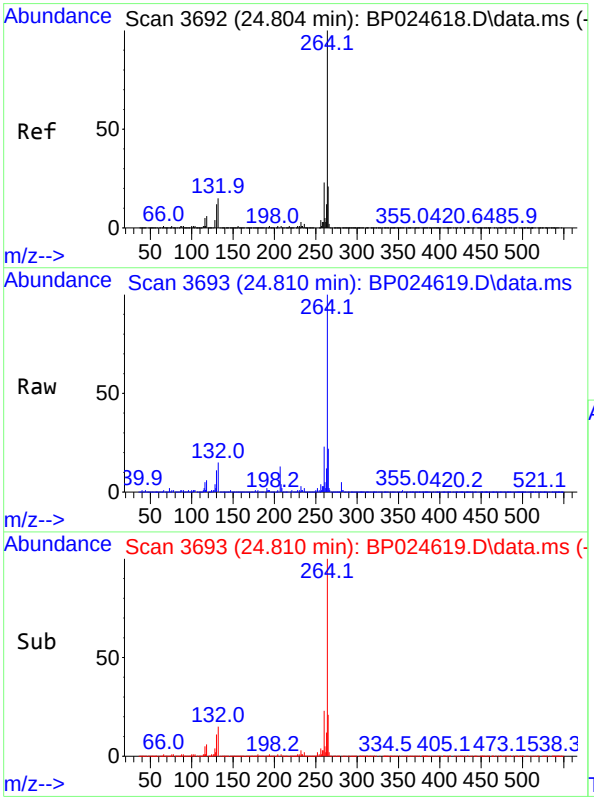
#85
Di-n-octyl phthalate
Concen: 56.91 ng
RT: 22.698 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 2614856

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	8.0	6.3	9.5

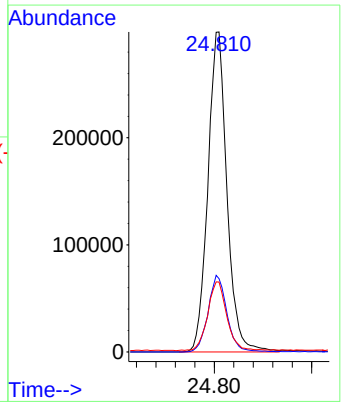


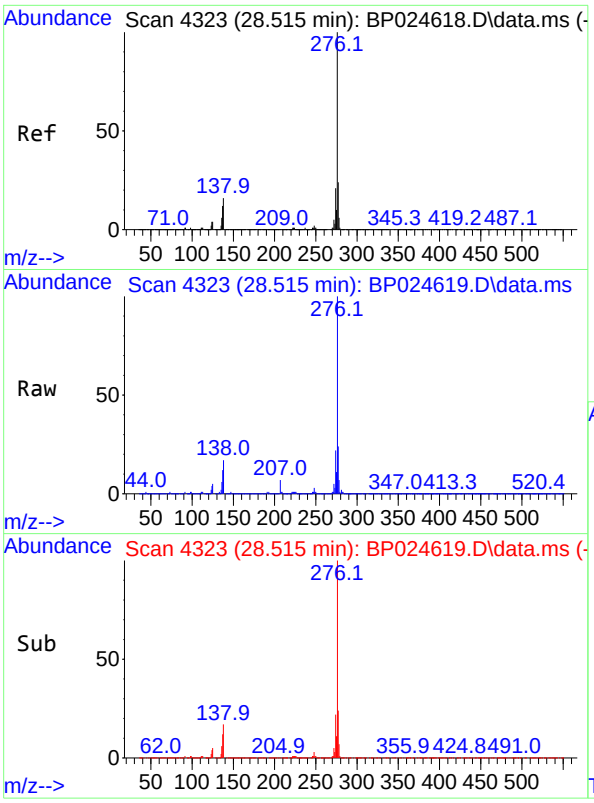


#86
Perylene-d12
Concen: 20.00 ng
RT: 24.810 min Scan# 3693
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:264 Resp: 811421

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.7	28.1
265	21.9	17.0	25.6



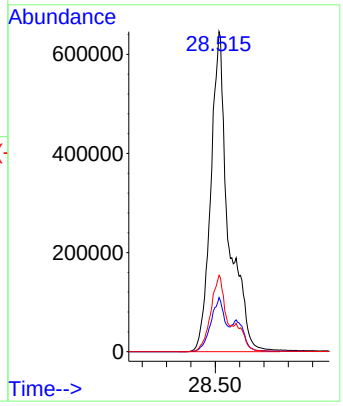


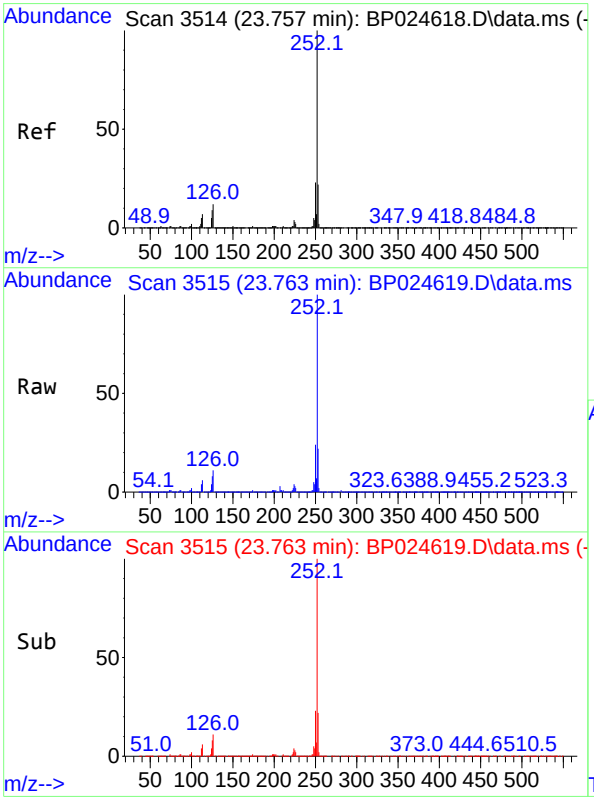
#87
Indeno(1,2,3-cd)pyrene
Concen: 55.06 ng
RT: 28.515 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 3262830

Ion	Ratio	Lower	Upper
276	100		
138	13.6	11.2	16.8
277	19.3	15.7	23.5

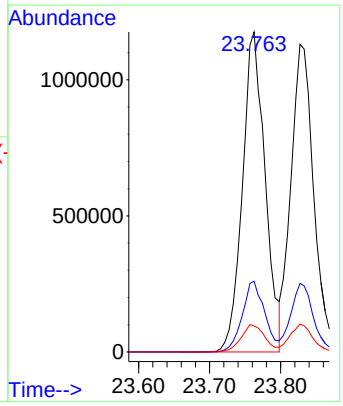


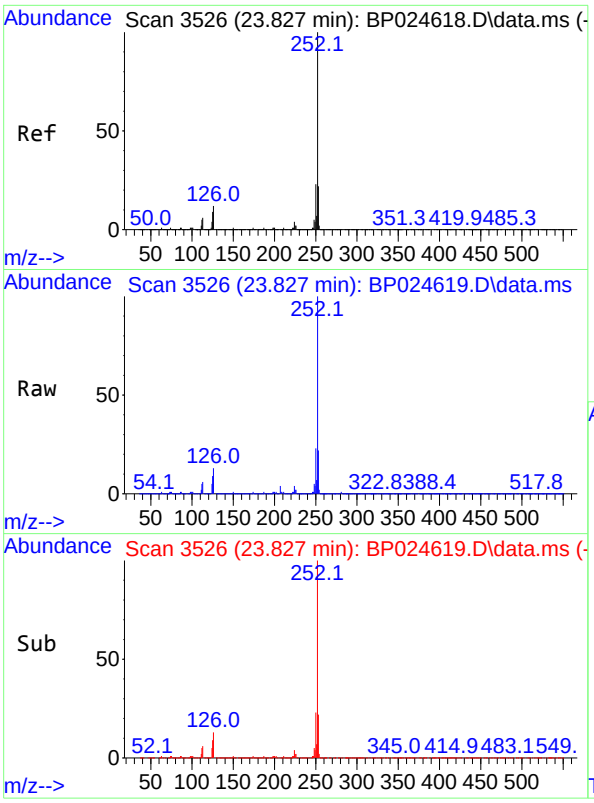


#88
Benzo(b)fluoranthene
Concen: 56.25 ng
RT: 23.763 min Scan# 3515
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:252 Resp: 2612438

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	8.2	7.5	11.3



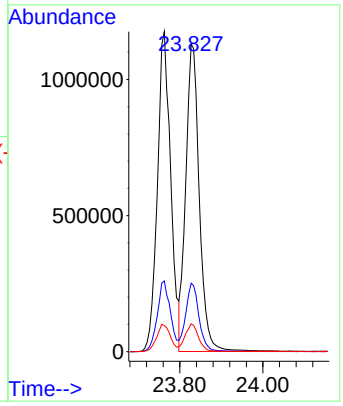


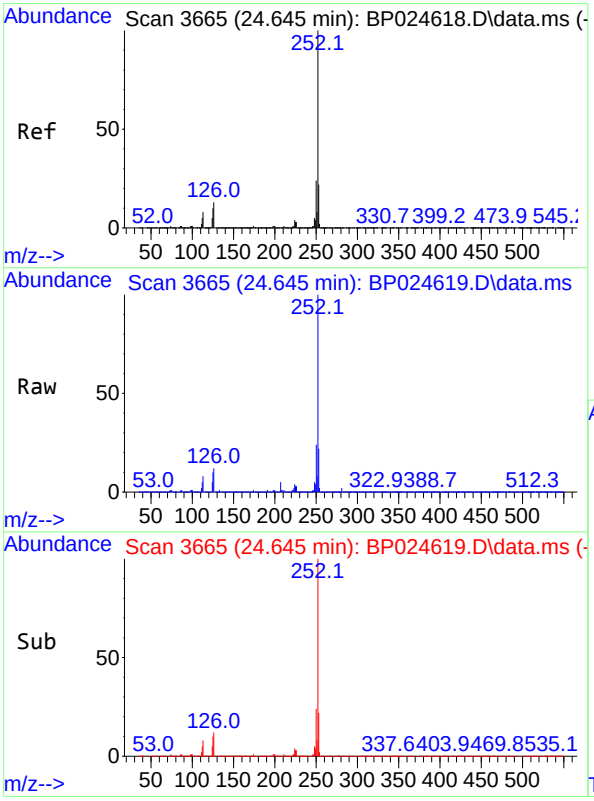
#89
Benzo(k)fluoranthene
Concen: 53.34 ng
RT: 23.827 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 2552663

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	9.1	7.0	10.4

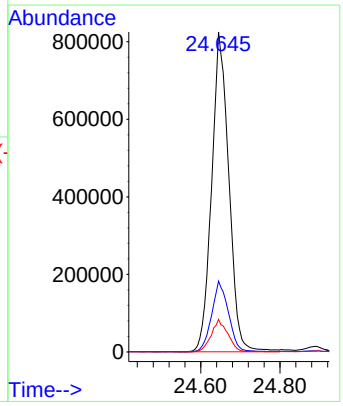


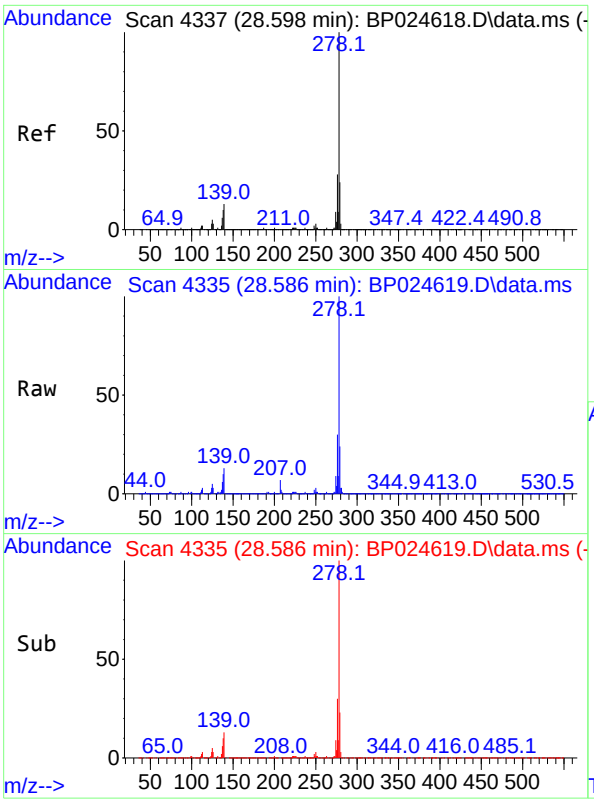


#90
Benzo(a)pyrene
Concen: 55.51 ng
RT: 24.645 min Scan# 3665
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:252 Resp: 2475976

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	10.2	8.1	12.1



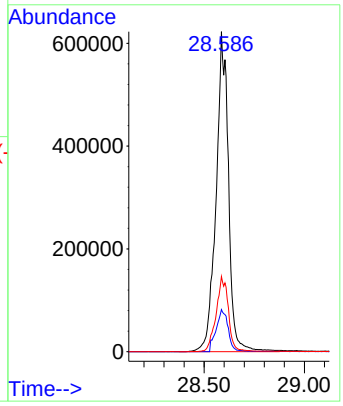


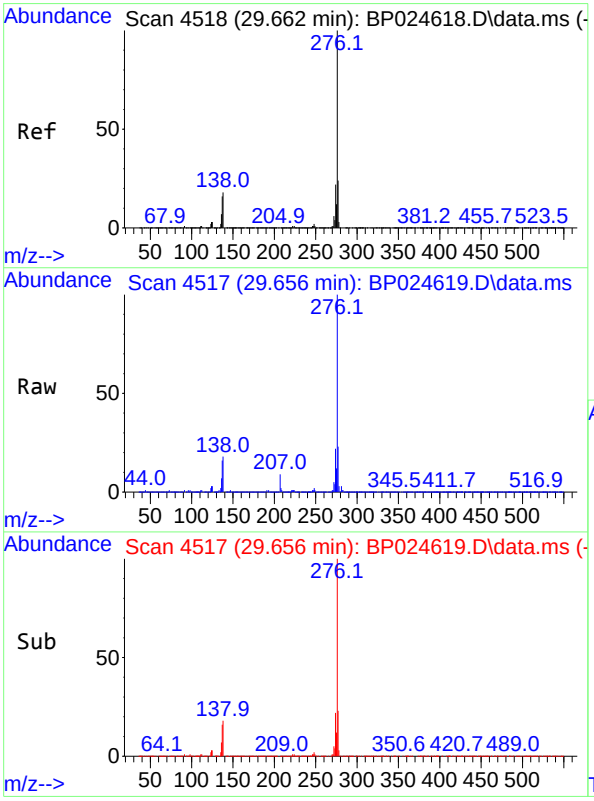
#91
Dibenzo(a,h)anthracene
Concen: 55.60 ng
RT: 28.586 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 2679367

Ion	Ratio	Lower	Upper
278	100		
139	13.2	10.2	15.4
279	23.5	19.0	28.4

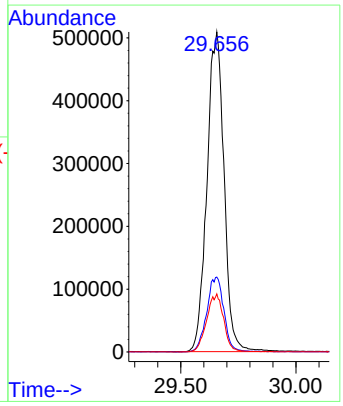




#92
Benzo(g,h,i)perylene
Concen: 54.79 ng
RT: 29.656 min Scan# 4517
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:276 Resp: 2625625

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.0	28.4
138	18.2	14.4	21.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024620.D
Acq On : 13 May 2025 14:45
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: May 13 16:08:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.663	152	106955	20.00	ng		0.00
21) Naphthalene-d8	10.434	136	484921	20.00	ng		0.00
39) Acenaphthene-d10	14.292	164	325327	20.00	ng		-0.01
64) Phenanthrene-d10	17.086	188	646756	20.00	ng		-0.01
76) Chrysene-d12	21.521	240	726281	20.00	ng		0.00
86) Perylene-d12	24.810	264	822943	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.281	112	784577	125.47	ng		0.00
7) Phenol-d6	6.858	99	1039562	130.26	ng		0.00
23) Nitrobenzene-d5	8.816	82	1188192	123.80	ng		0.00
42) 2,4,6-Tribromophenol	15.816	330	696428	126.27	ng		0.00
45) 2-Fluorobiphenyl	12.910	172	2956939	119.08	ng		0.00
79) Terphenyl-d14	19.822	244	5119872	120.88	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.222	88	170174	57.95	ng		99
3) Pyridine	3.617	79	419426	64.42	ng		98
4) n-Nitrosodimethylamine	3.528	42	178836	62.22	ng		99
6) Aniline	7.005	93	670773	65.10	ng		100
8) 2-Chlorophenol	7.240	128	459952	64.79	ng		99
9) Benzaldehyde	6.816	77	305987	59.33	ng		98
10) Phenol	6.881	94	535743	65.04	ng		99
11) bis(2-Chloroethyl)ether	7.099	93	416957	61.60	ng		99
12) 1,3-Dichlorobenzene	7.552	146	496139	60.75	ng		99
13) 1,4-Dichlorobenzene	7.699	146	502743	61.20	ng		99
14) 1,2-Dichlorobenzene	8.010	146	490458	61.27	ng		99
15) Benzyl Alcohol	7.910	79	413146	68.12	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.181	45	501972	61.93	ng		98
17) 2-Methylphenol	8.110	107	389272	65.89	ng		98
18) Hexachloroethane	8.728	117	191530	60.85	ng		97
19) n-Nitroso-di-n-propyla...	8.463	70	363059	65.76	ng		99
20) 3+4-Methylphenols	8.434	107	543003	67.57	ng		99
22) Acetophenone	8.481	105	744359	61.45	ng	#	98
24) Nitrobenzene	8.857	77	518098	61.34	ng		97
25) Isophorone	9.381	82	1048461	62.98	ng		99
26) 2-Nitrophenol	9.557	139	278764	67.36	ng		99
27) 2,4-Dimethylphenol	9.622	122	462148	63.34	ng		100
28) bis(2-Chloroethoxy)met...	9.851	93	610221	61.35	ng		99
29) 2,4-Dichlorophenol	10.093	162	459806	65.03	ng		98
30) 1,2,4-Trichlorobenzene	10.299	180	478505	60.05	ng		97
31) Naphthalene	10.487	128	1508460	60.03	ng		100
32) Benzoic acid	9.799	122	319375	60.53	ng		99
33) 4-Chloroaniline	10.599	127	671888	66.26	ng		99
34) Hexachlorobutadiene	10.769	225	303458	58.79	ng		98
35) Caprolactam	11.404	113	175653	68.70	ng		97
36) 4-Chloro-3-methylphenol	11.740	107	559138	64.84	ng		100
37) 2-Methylnaphthalene	12.098	142	1008171	61.96	ng		99
38) 1-Methylnaphthalene	12.316	142	1066290	61.25	ng		99
40) 1,2,4,5-Tetrachloroben...	12.469	216	566530	59.97	ng		100
41) Hexachlorocyclopentadiene	12.445	237	381621	66.62	ng		97
43) 2,4,6-Trichlorophenol	12.716	196	400552	65.46	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024620.D
Acq On : 13 May 2025 14:45
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: May 13 16:08:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.798	196	436361	64.06	ng		99
46) 1,1'-Biphenyl	13.122	154	1437786	59.80	ng		100
47) 2-Chloronaphthalene	13.163	162	1105298	60.29	ng		100
48) 2-Nitroaniline	13.369	65	354977	65.40	ng		98
49) Acenaphthylene	14.016	152	1884018	61.41	ng		100
50) Dimethylphthalate	13.757	163	1498318	60.42	ng		100
51) 2,6-Dinitrotoluene	13.875	165	328682	62.76	ng		99
52) Acenaphthene	14.363	154	1072483	60.80	ng		100
53) 3-Nitroaniline	14.210	138	361174	67.54	ng		99
54) 2,4-Dinitrophenol	14.428	184	196350	61.10	ng		96
55) Dibenzofuran	14.698	168	1691790	60.13	ng		99
56) 4-Nitrophenol	14.545	139	281293	61.78	ng		98
57) 2,4-Dinitrotoluene	14.675	165	471525	63.87	ng		99
58) Fluorene	15.363	166	1376412	60.00	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.934	232	396678	62.78	ng		99
60) Diethylphthalate	15.134	149	1525628	60.87	ng		99
61) 4-Chlorophenyl-phenyle...	15.357	204	692230	60.51	ng		99
62) 4-Nitroaniline	15.404	138	354287	68.05	ng		99
63) Azobenzene	15.657	77	1310800	61.14	ng		97
65) 4,6-Dinitro-2-methylph...	15.457	198	278024	66.55	ng		95
66) n-Nitrosodiphenylamine	15.575	169	1205525	60.68	ng		100
67) 4-Bromophenyl-phenylether	16.269	248	469127	61.56	ng		99
68) Hexachlorobenzene	16.386	284	590615	60.99	ng		99
69) Atrazine	16.557	200	460742	63.29	ng		98
70) Pentachlorophenol	16.739	266	371465	68.29	ng		99
71) Phenanthrene	17.133	178	2183329	60.73	ng		100
72) Anthracene	17.233	178	2210412	61.11	ng		99
73) Carbazole	17.510	167	2042777	62.39	ng		100
74) Di-n-butylphthalate	18.098	149	2644959	62.81	ng		99
75) Fluoranthene	19.222	202	2594532	61.73	ng		100
77) Benzidine	19.422	184	1304259	65.42	ng		99
78) Pyrene	19.598	202	2661811	61.17	ng		100
80) Butylbenzylphthalate	20.551	149	1243403	64.25	ng		100
81) Benzo(a)anthracene	21.504	228	2778689	60.93	ng		99
82) 3,3'-Dichlorobenzidine	21.433	252	1114122	65.77	ng		100
83) Chrysene	21.574	228	2588513	59.88	ng		100
84) Bis(2-ethylhexyl)phtha...	21.445	149	1822019	64.05	ng		99
85) Di-n-octyl phthalate	22.692	149	2998832	64.47	ng		100
87) Indeno(1,2,3-cd)pyrene	28.533	276	3824922	63.64	ng	#	92
88) Benzo(b)fluoranthene	23.768	252	2922103	62.04	ng		99
89) Benzo(k)fluoranthene	23.845	252	3055252	62.95	ng		100
90) Benzo(a)pyrene	24.657	252	2881508	63.69	ng		100
91) Dibenzo(a,h)anthracene	28.603	278	3137905	64.20	ng		99
92) Benzo(g,h,i)perylene	29.692	276	3065416	63.07	ng		100

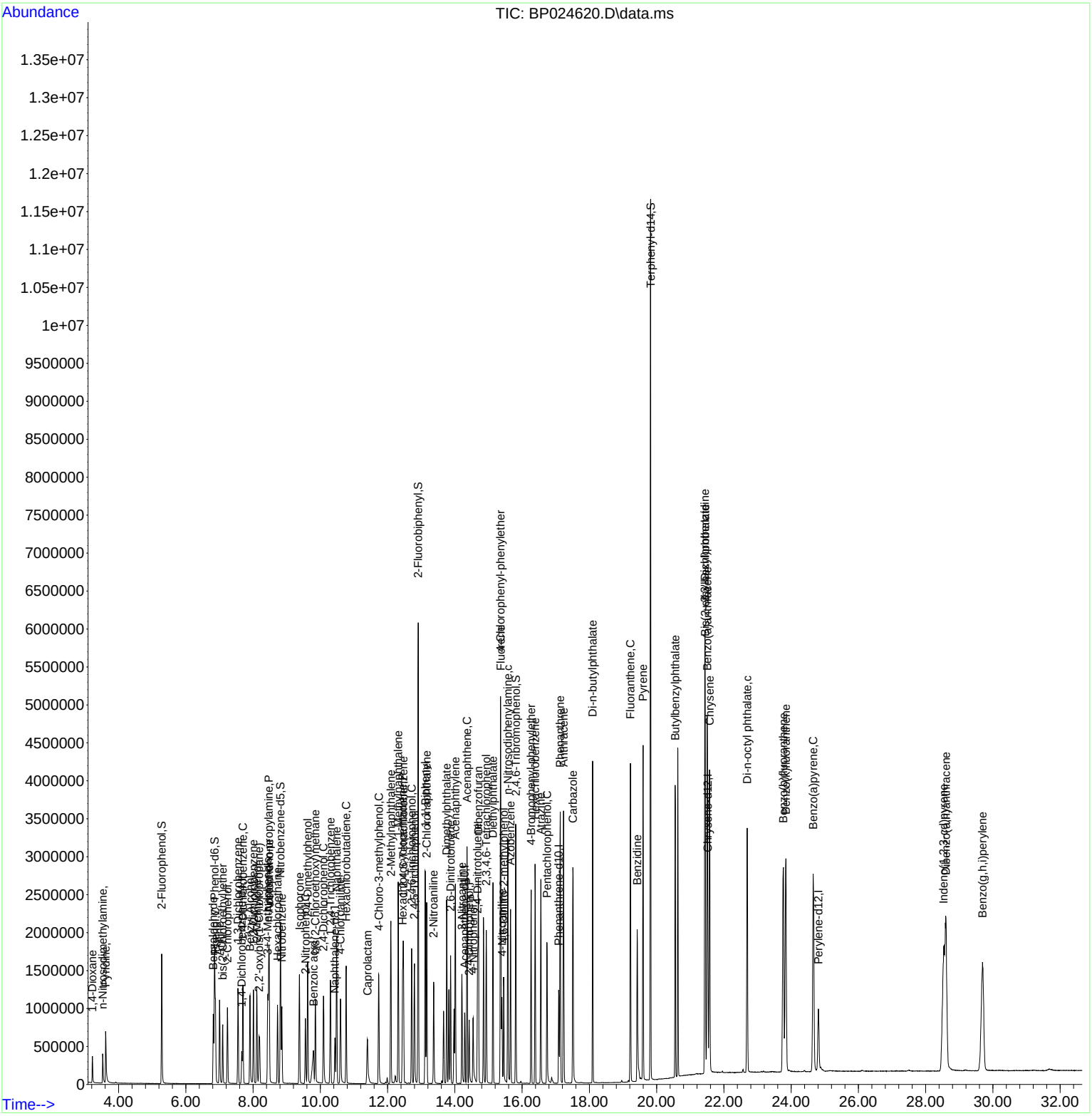
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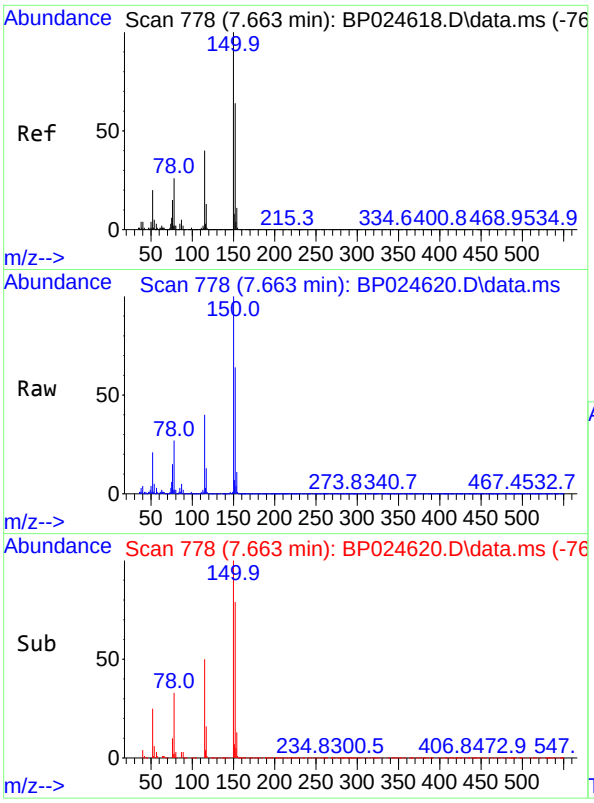
ICAL Form

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Data File : BP024620.D
Acq On : 13 May 2025 14:45
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: May 13 16:08:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration



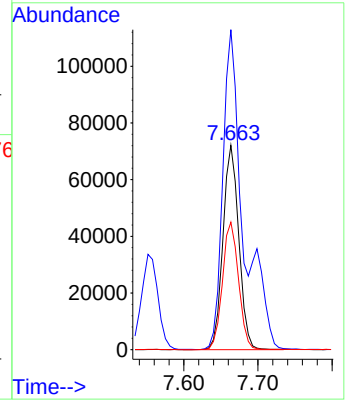


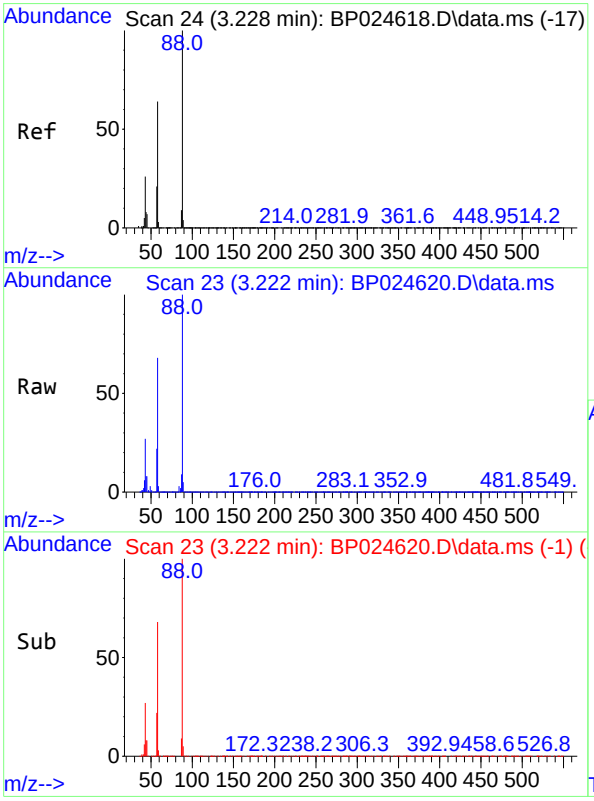
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 106955

Ion	Ratio	Lower	Upper
152	100		
150	156.6	125.9	188.9
115	62.4	50.1	75.1

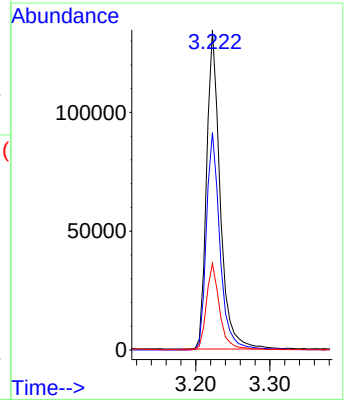


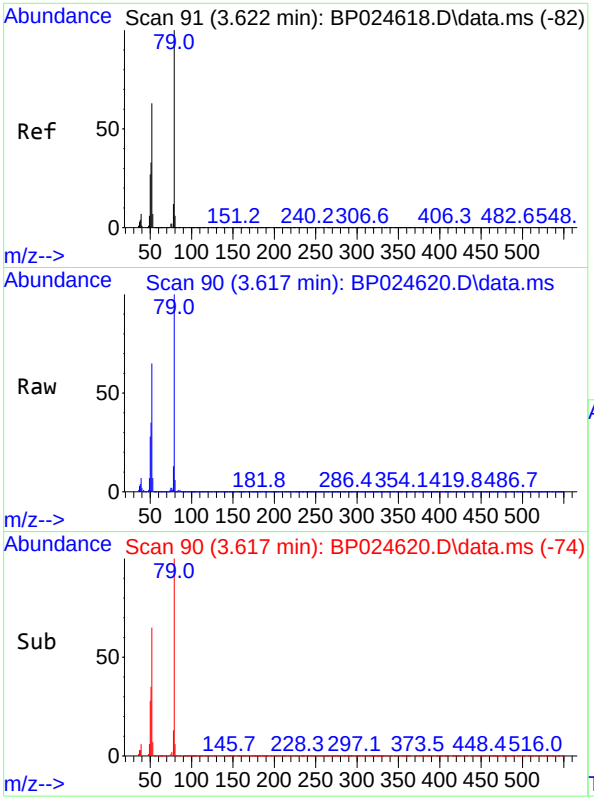


#2
1,4-Dioxane
Concen: 57.95 ng
RT: 3.222 min Scan# 23
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion: 88 Resp: 170174

Ion	Ratio	Lower	Upper
88	100		
58	68.9	54.0	81.0
43	26.5	21.4	32.0



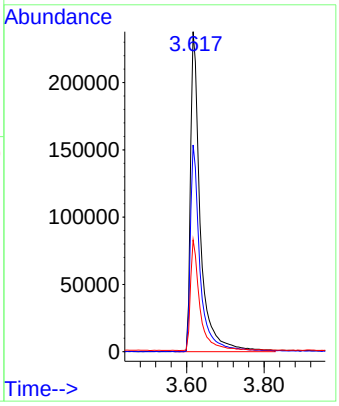


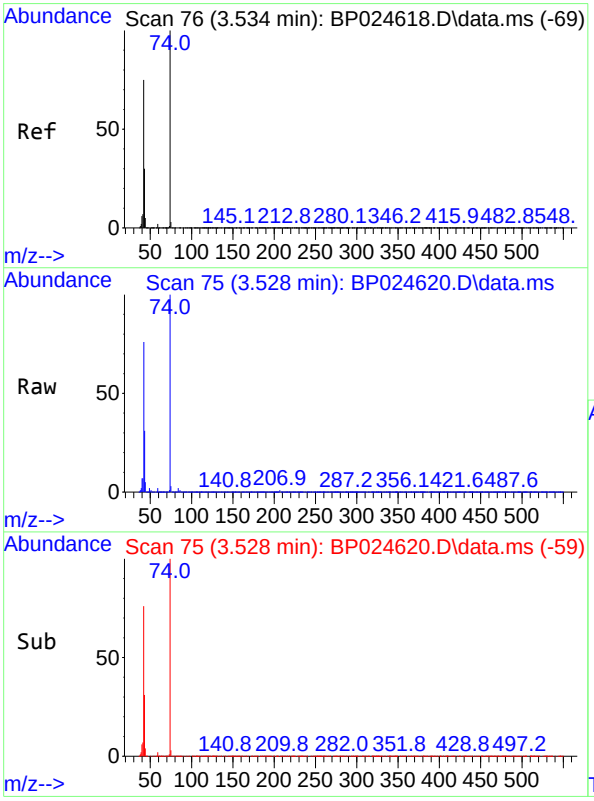
#3
Pyridine
Concen: 64.42 ng
RT: 3.617 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 419426

Ion	Ratio	Lower	Upper
79	100		
52	64.6	50.2	75.2
51	34.9	26.8	40.2

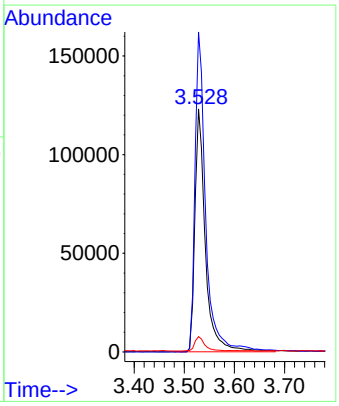


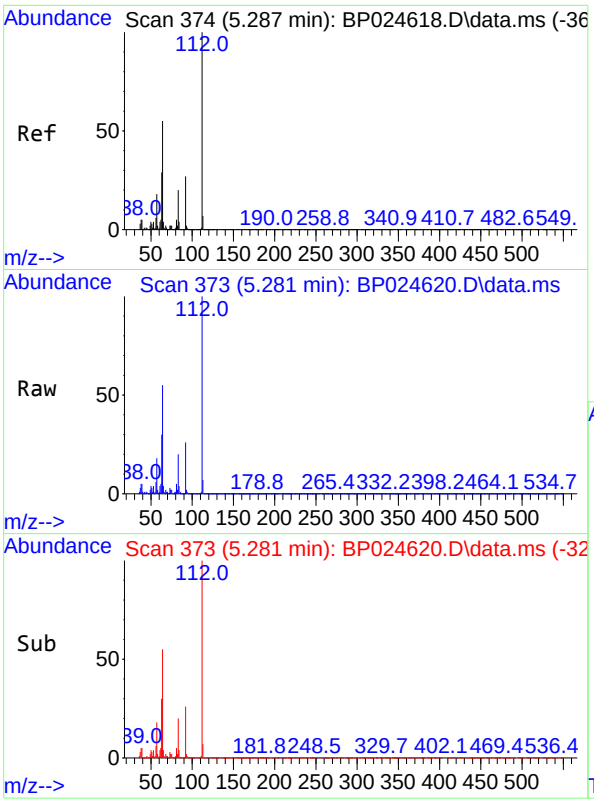


#4
n-Nitrosodimethylamine
Concen: 62.22 ng
RT: 3.528 min Scan# 75
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion: 42 Resp: 178836

Ion	Ratio	Lower	Upper
42	100		
74	131.7	106.2	159.2
44	6.3	5.4	8.2



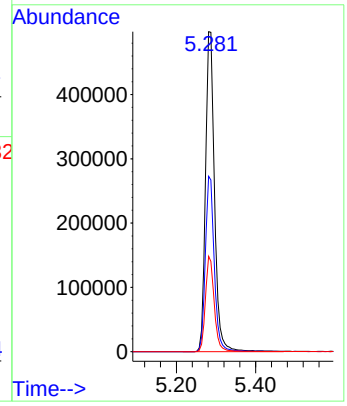


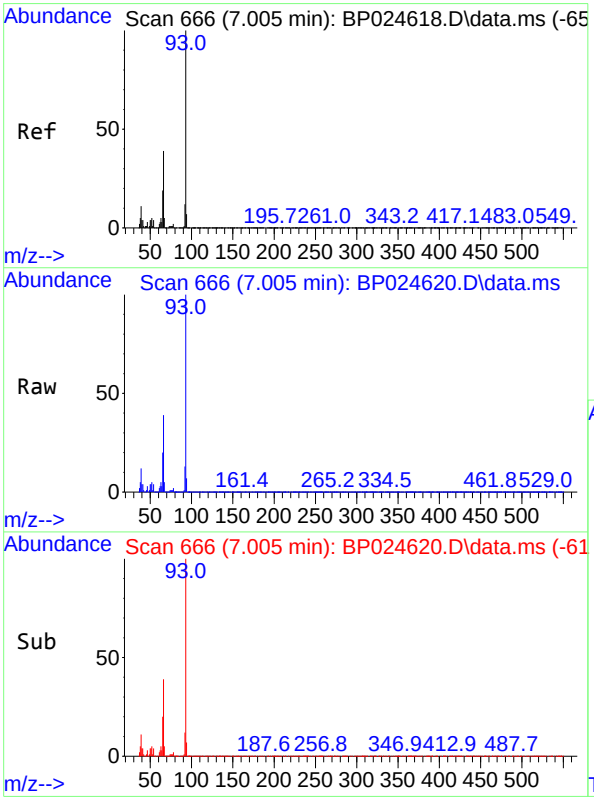
#5
2-Fluorophenol
Concen: 125.47 ng
RT: 5.281 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 784577

Ion	Ratio	Lower	Upper
112	100		
64	54.8	44.1	66.1
63	29.8	23.5	35.3

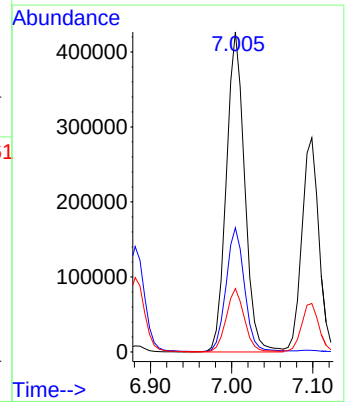


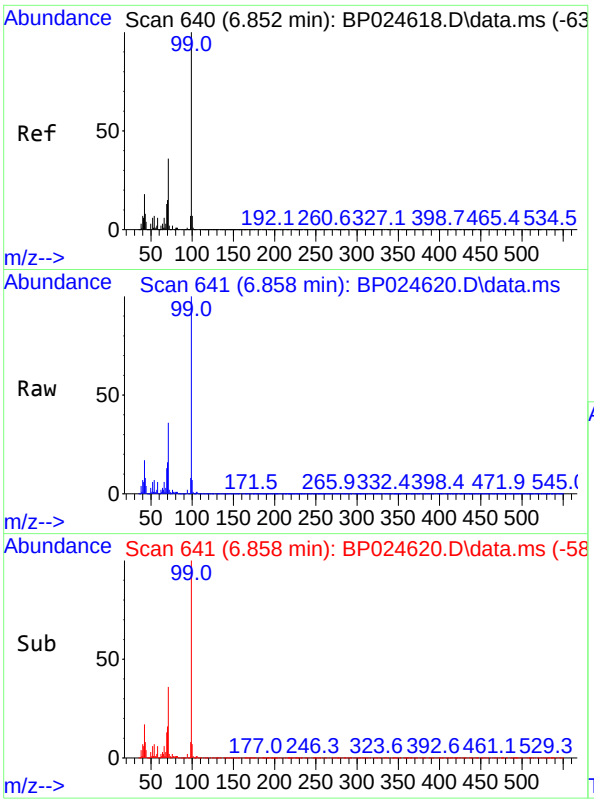


#6
Aniline
Concen: 65.10 ng
RT: 7.005 min Scan# 666
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion: 93 Resp: 670773

Ion	Ratio	Lower	Upper
93	100		
66	38.8	31.0	46.6
65	19.8	15.5	23.3



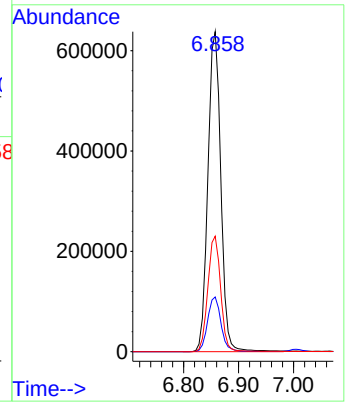


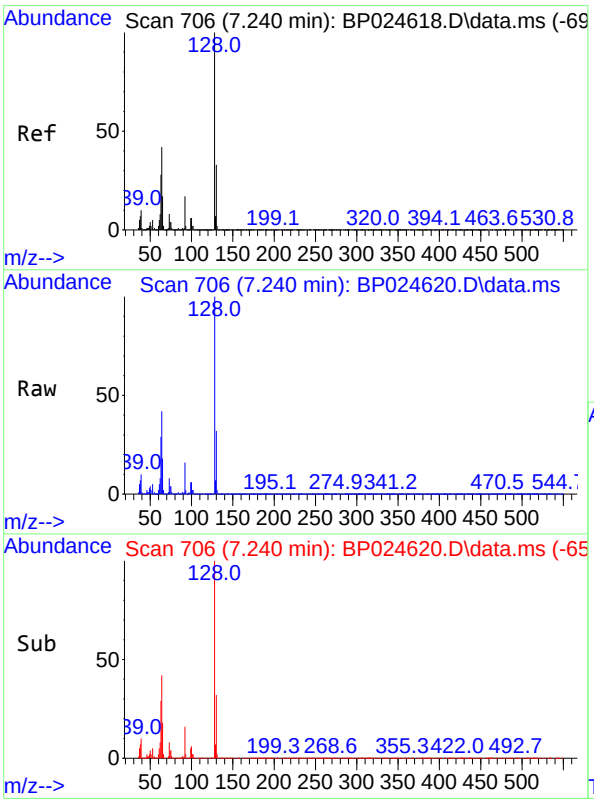
#7
Phenol-d6
Concen: 130.26 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 1039562

Ion	Ratio	Lower	Upper
99	100		
42	17.1	14.4	21.6
71	36.1	29.2	43.8

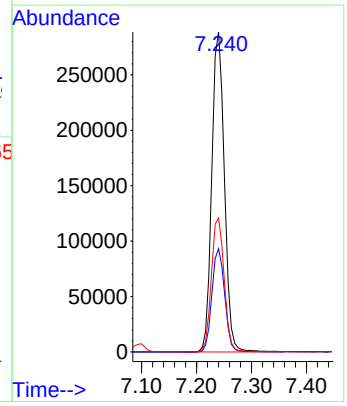


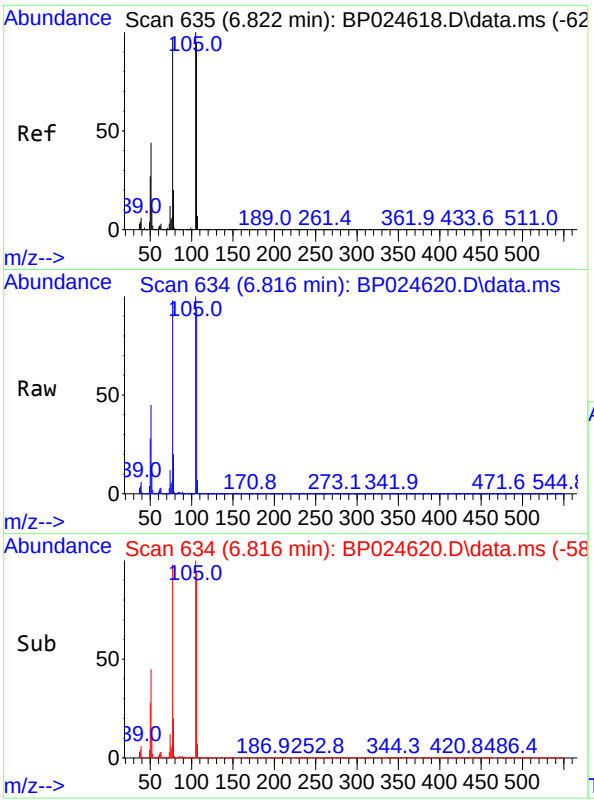


#8
2-Chlorophenol
Concen: 64.79 ng
RT: 7.240 min Scan# 706
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:128 Resp: 459952

Ion	Ratio	Lower	Upper
128	100		
130	32.3	13.0	53.0
64	41.9	22.3	62.3



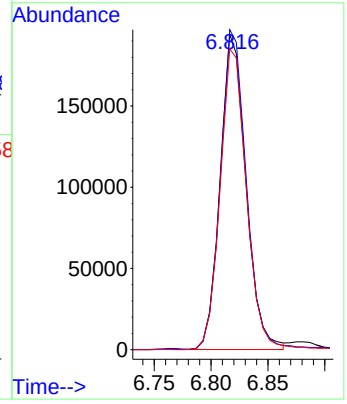


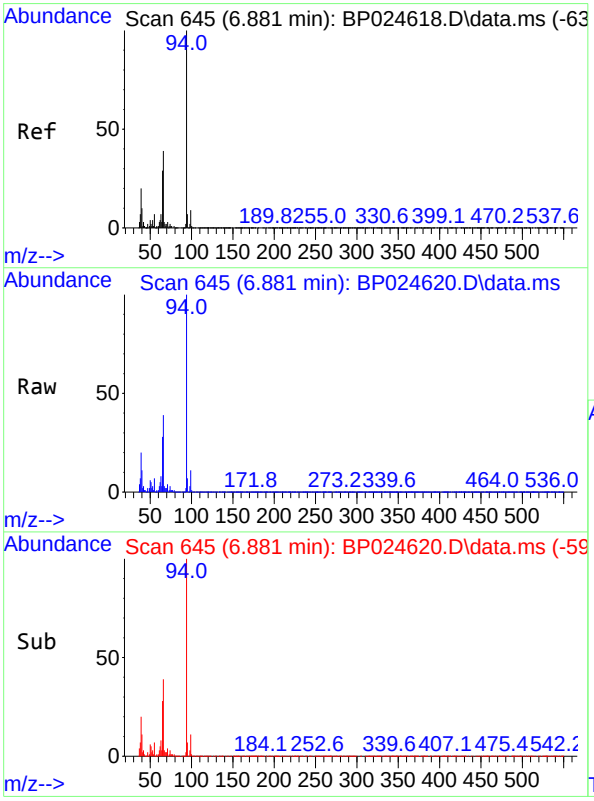
#9
Benzaldehyde
Concen: 59.33 ng
RT: 6.816 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 305987

Ion	Ratio	Lower	Upper
77	100		
105	101.6	83.3	123.3
106	95.5	78.0	118.0

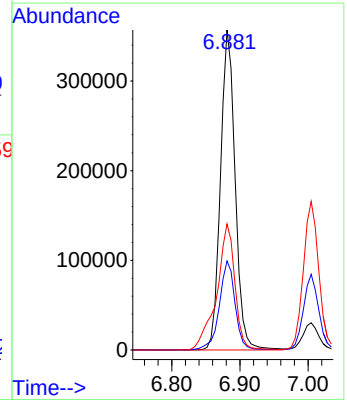


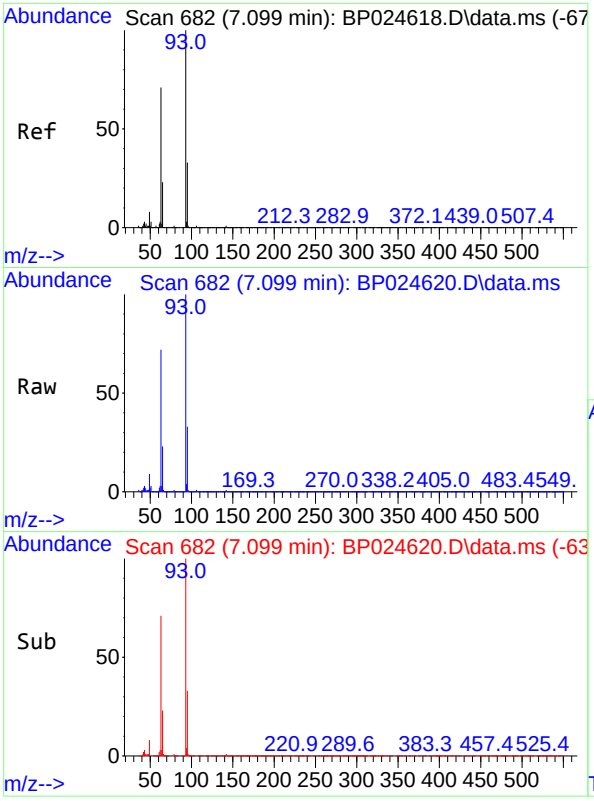


#10
Phenol
Concen: 65.04 ng
RT: 6.881 min Scan# 645
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion: 94 Resp: 535743

Ion	Ratio	Lower	Upper
94	100		
65	27.8	8.7	48.7
66	39.4	19.4	59.4



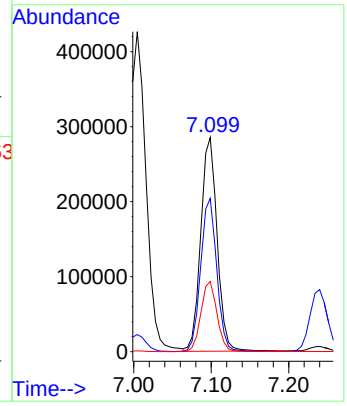


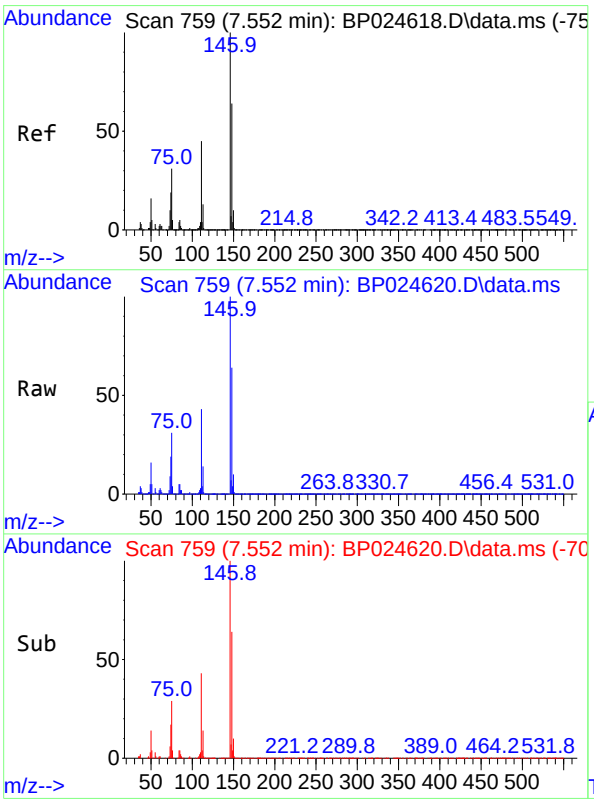
#11
bis(2-Chloroethyl)ether
Concen: 61.60 ng
RT: 7.099 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 416957

Ion	Ratio	Lower	Upper
93	100		
63	71.6	50.6	90.6
95	32.8	12.9	52.9

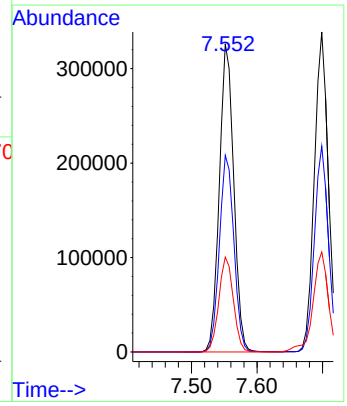


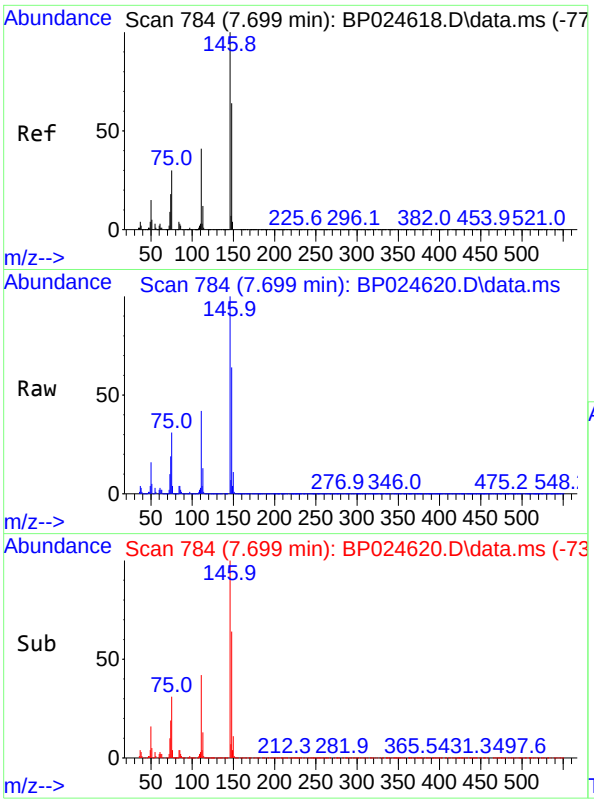


#12
1,3-Dichlorobenzene
Concen: 60.75 ng
RT: 7.552 min Scan# 759
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:146 Resp: 496139

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.4	77.2
75	30.8	25.2	37.8



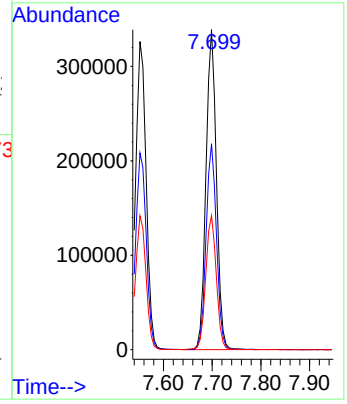


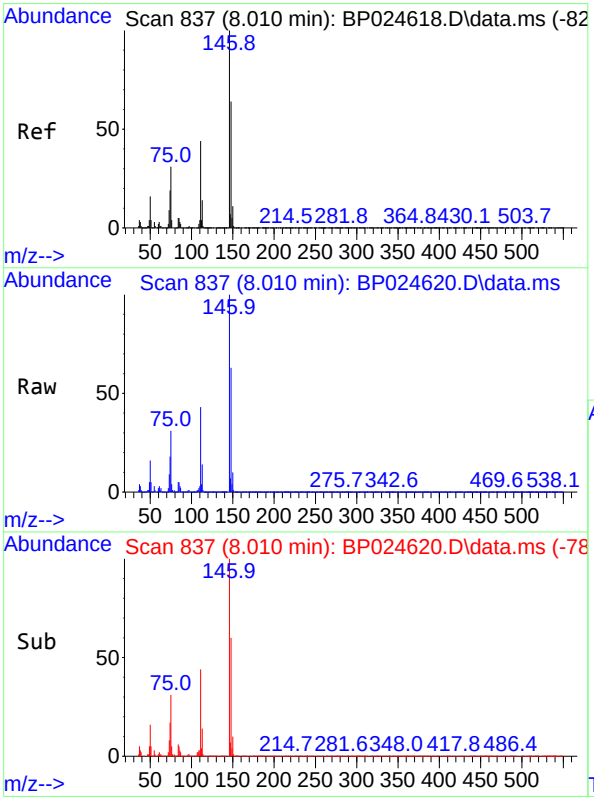
#13
1,4-Dichlorobenzene
Concen: 61.20 ng
RT: 7.699 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 502743

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.0	76.6
111	41.9	33.0	49.6

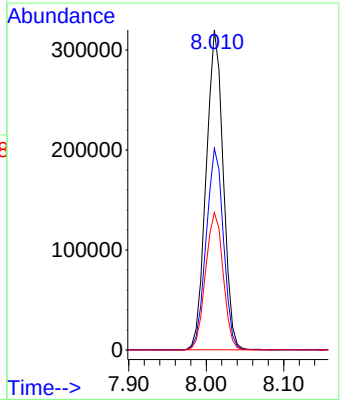


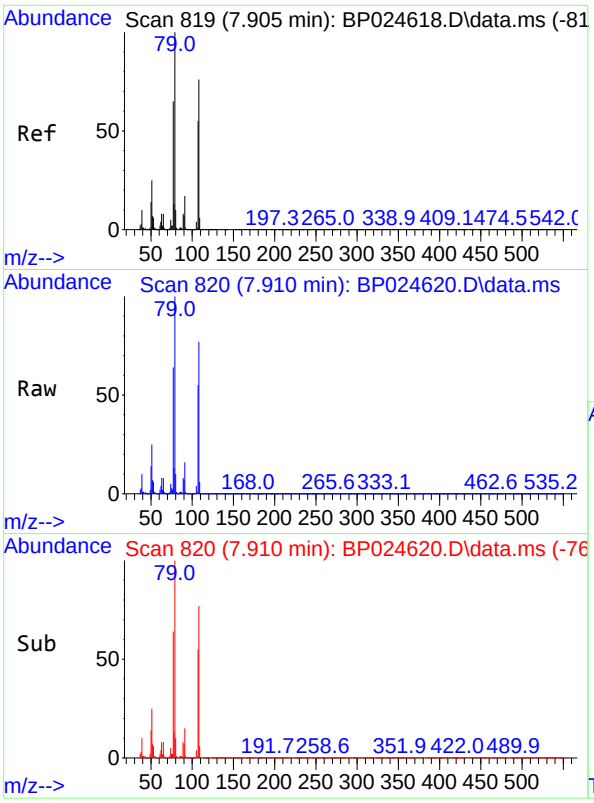


#14
1,2-Dichlorobenzene
Concen: 61.27 ng
RT: 8.010 min Scan# 837
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:146 Resp: 490458

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.0	76.4
111	42.9	35.2	52.8



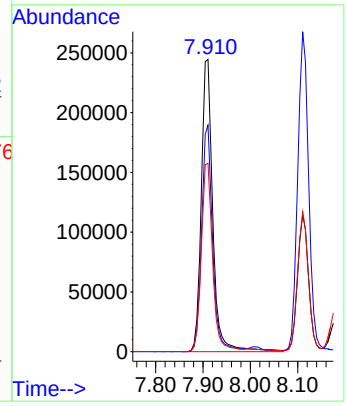


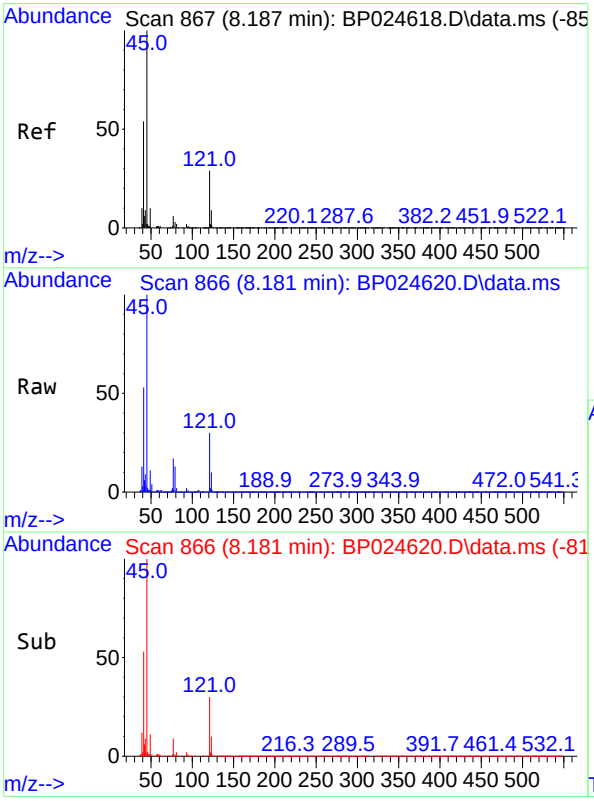
#15
Benzyl Alcohol
Concen: 68.12 ng
RT: 7.910 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 413146

Ion	Ratio	Lower	Upper
79	100		
108	77.5	60.8	91.2
77	64.4	51.9	77.9

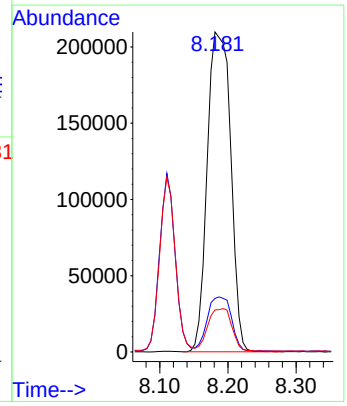


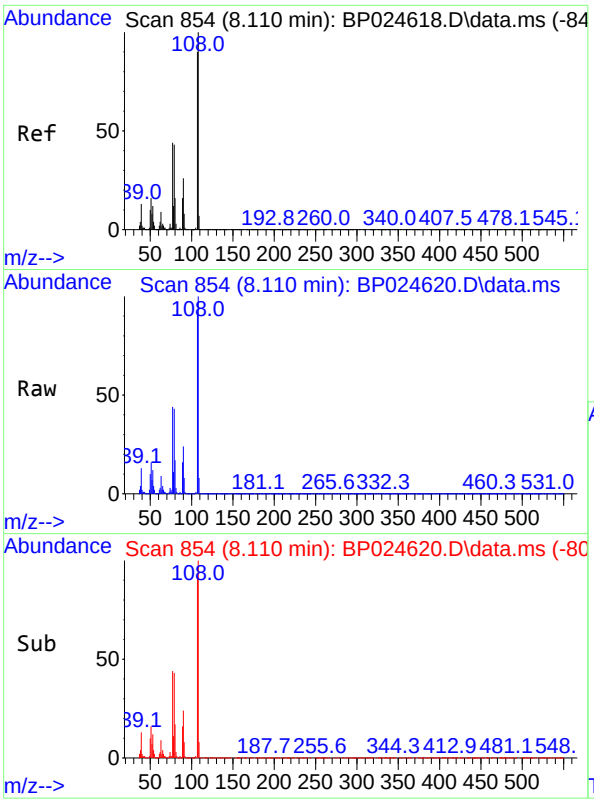


#16
2,2'-oxybis(1-Chloropropane)
Concen: 61.93 ng
RT: 8.181 min Scan# 866
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion: 45 Resp: 501972

Ion	Ratio	Lower	Upper
45	100		
77	16.7	0.0	37.7
79	13.1	0.0	34.0



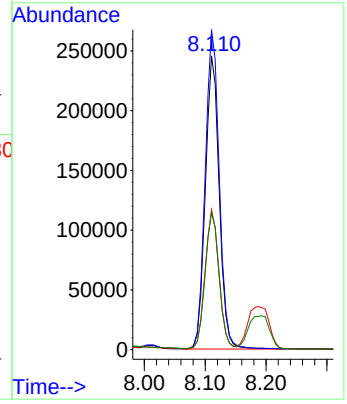


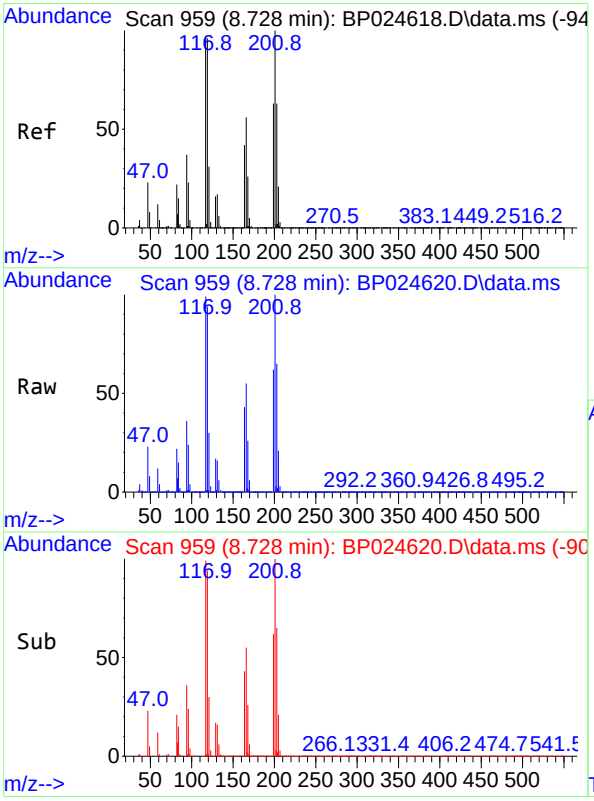
#17
2-Methylphenol
Concen: 65.89 ng
RT: 8.110 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 389272

Ion	Ratio	Lower	Upper
107	100		
108	109.0	88.9	133.3
77	47.6	39.0	58.6
79	46.6	38.4	57.6

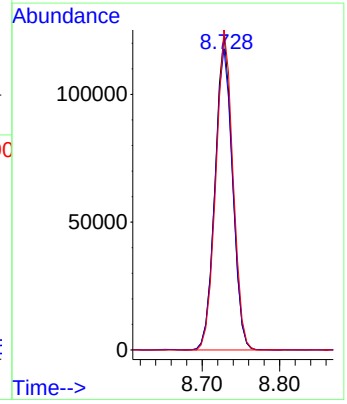


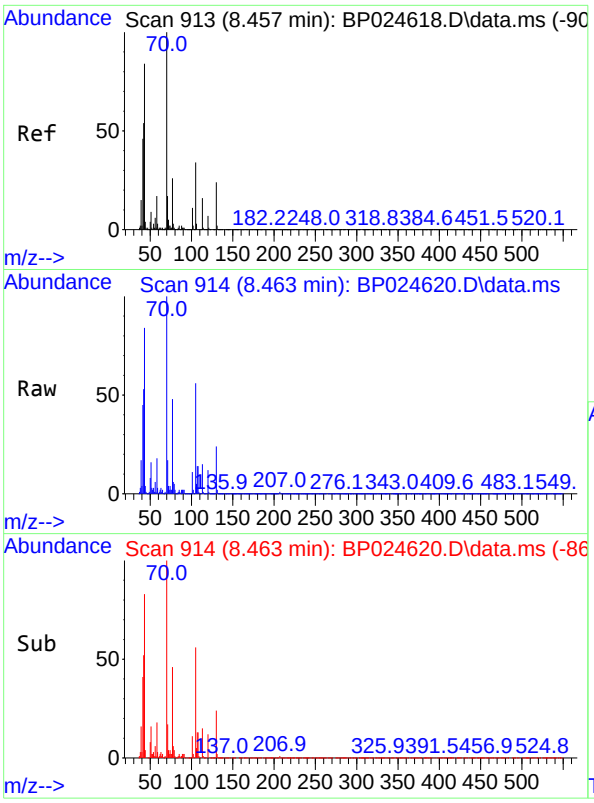


#18
Hexachloroethane
Concen: 60.85 ng
RT: 8.728 min Scan# 959
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:117 Resp: 191530

Ion	Ratio	Lower	Upper
117	100		
119	95.3	79.4	119.0
201	101.2	82.7	124.1



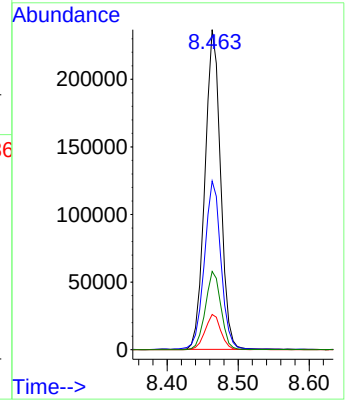


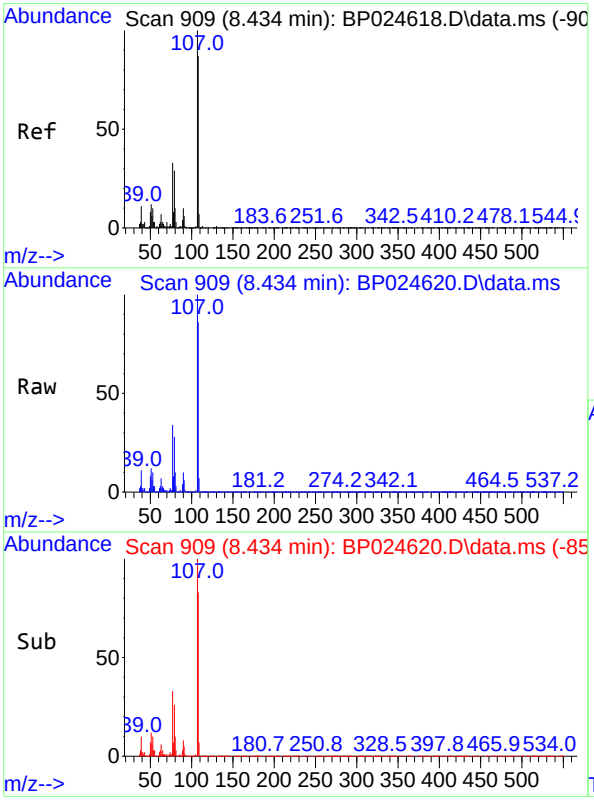
#19
n-Nitroso-di-n-propylamine
Concen: 65.76 ng
RT: 8.463 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 363059

Ion	Ratio	Lower	Upper
70	100		
42	52.7	43.0	64.6
101	11.0	8.7	13.1
130	24.4	19.4	29.0

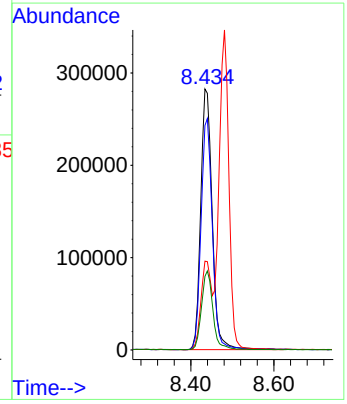


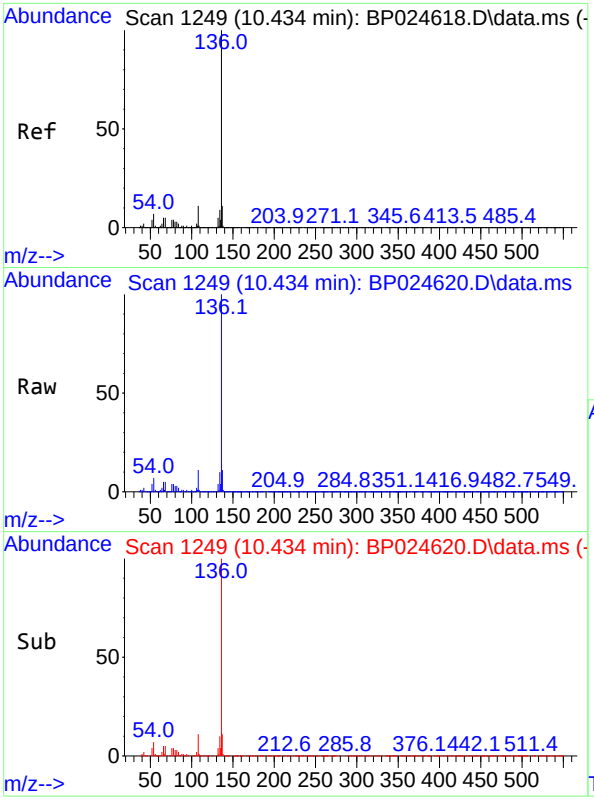


#20
3+4-Methylphenols
Concen: 67.57 ng
RT: 8.434 min Scan# 909
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:107 Resp: 543003

Ion	Ratio	Lower	Upper
107	100		
108	86.0	66.7	106.7
77	34.0	13.1	53.1
79	28.2	8.9	48.9



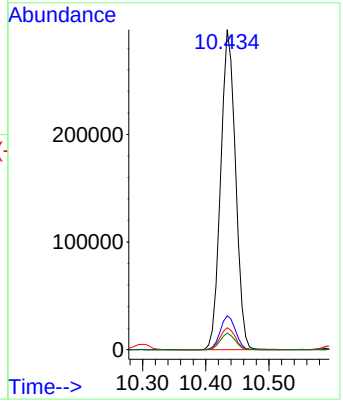


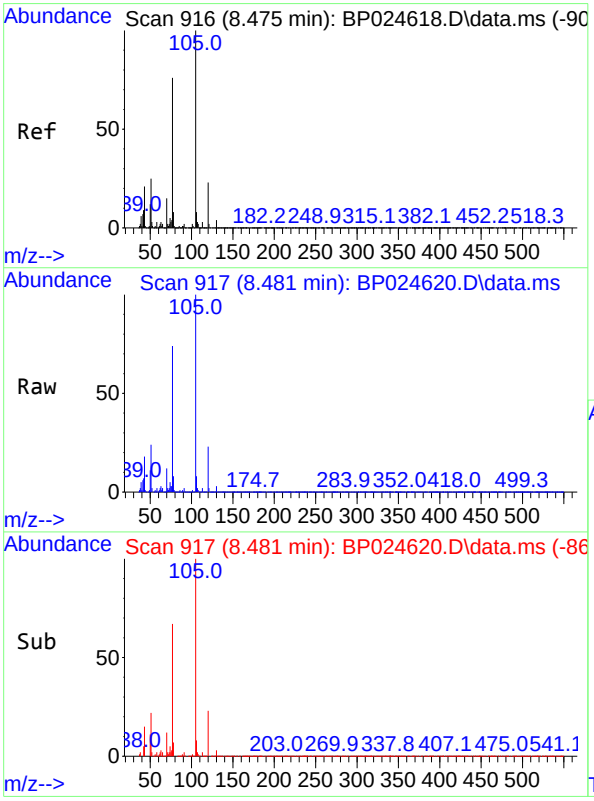
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 484921

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	6.8	5.5	8.3
68	5.2	4.2	6.2

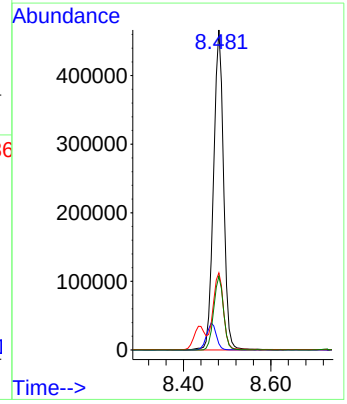


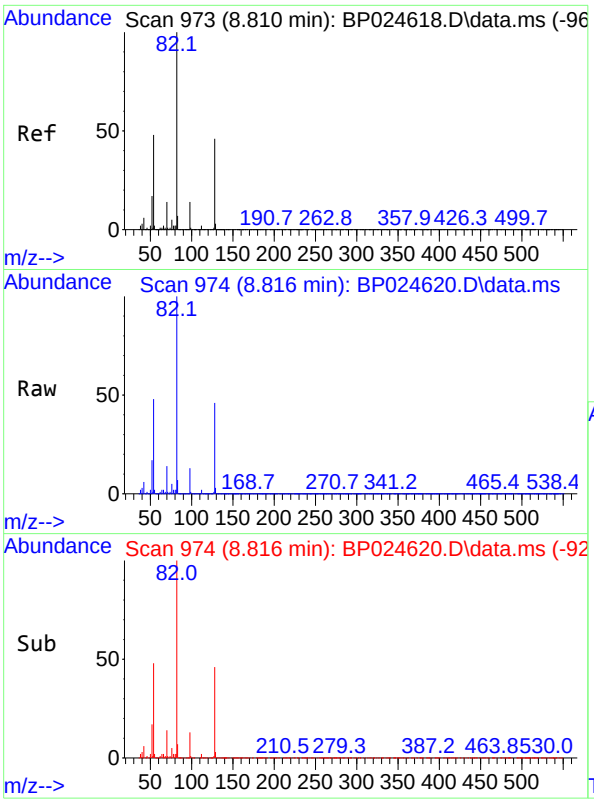


#22
Acetophenone
Concen: 61.45 ng
RT: 8.481 min Scan# 917
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:105 Resp: 744359

Ion	Ratio	Lower	Upper
105	100		
71	1.9	2.0	3.0#
51	24.1	20.4	30.6
120	23.0	18.1	27.1



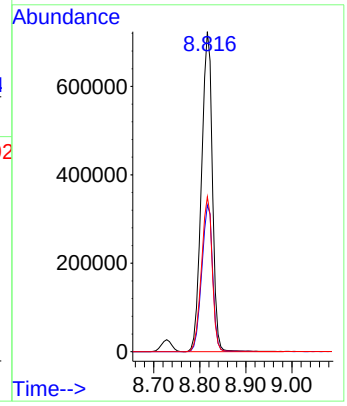


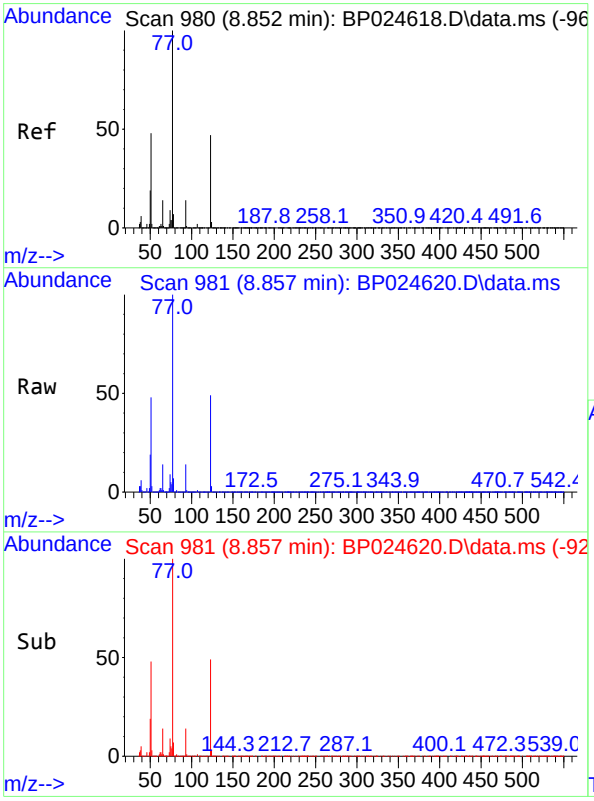
#23
Nitrobenzene-d5
Concen: 123.80 ng
RT: 8.816 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1188192

Ion	Ratio	Lower	Upper
82	100		
128	45.8	37.0	55.4
54	48.4	38.7	58.1

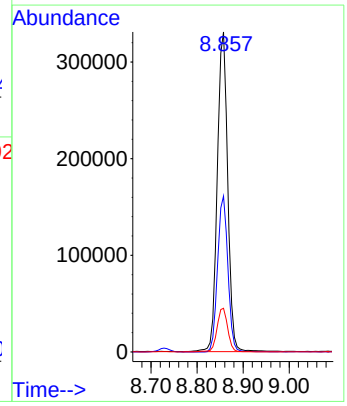


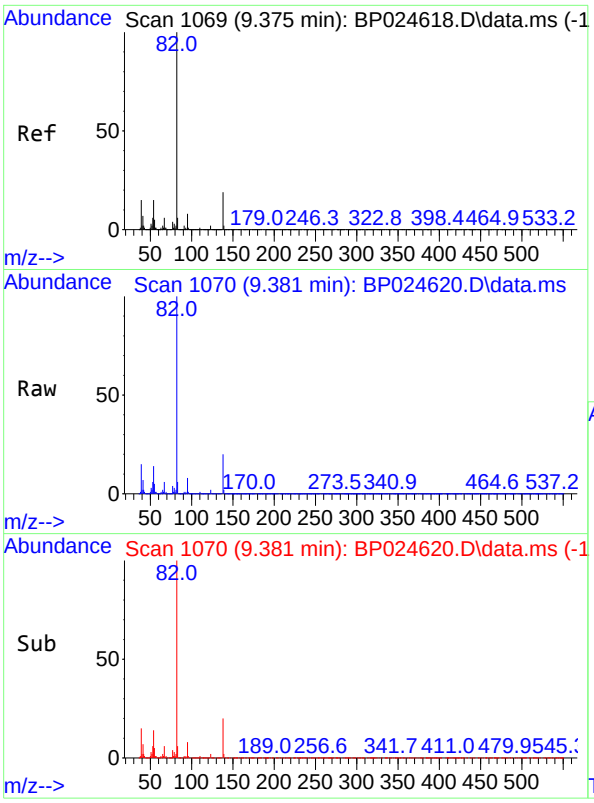


#24
Nitrobenzene
Concen: 61.34 ng
RT: 8.857 min Scan# 981
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion: 77 Resp: 518098

Ion	Ratio	Lower	Upper
77	100		
123	48.7	37.4	56.0
65	13.7	11.3	16.9



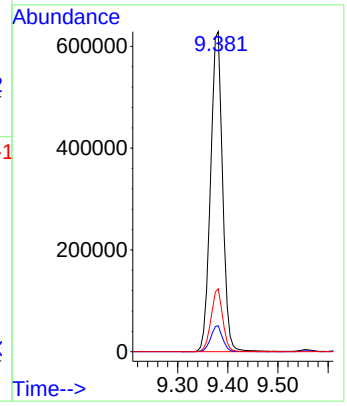


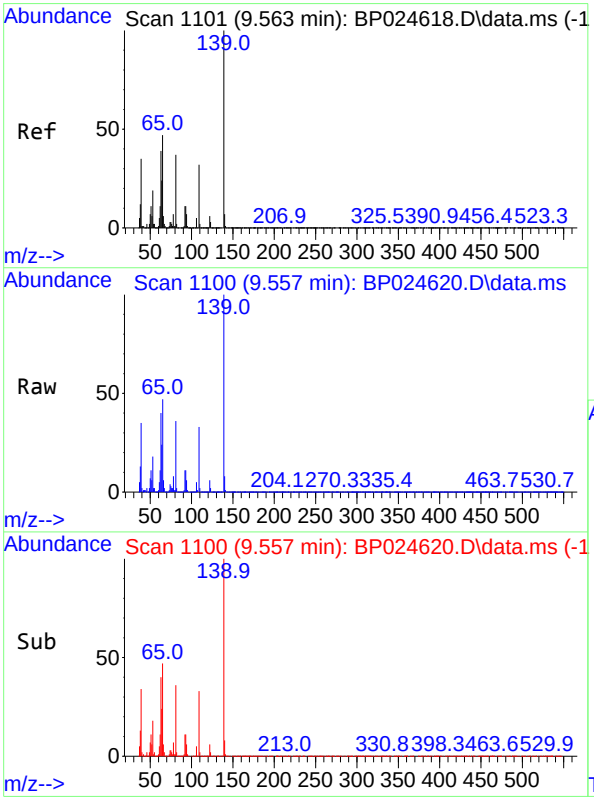
#25
Isophorone
Concen: 62.98 ng
RT: 9.381 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1048461

Ion	Ratio	Lower	Upper
82	100		
95	8.1	6.3	9.5
138	19.7	15.3	22.9

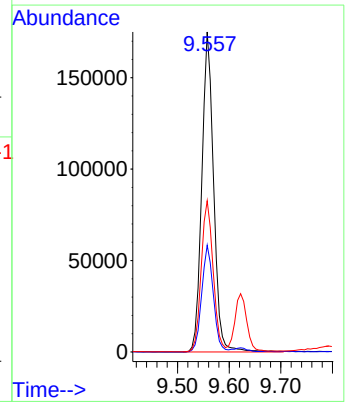


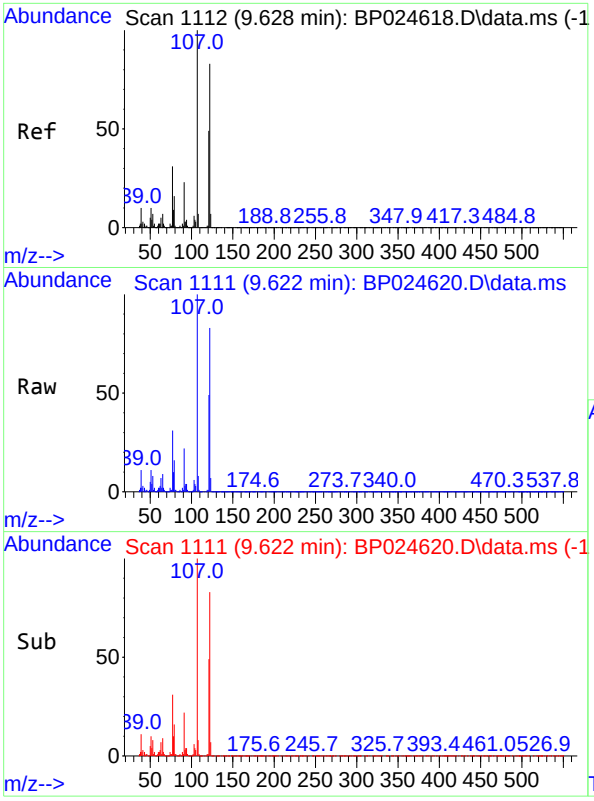


#26
2-Nitrophenol
Concen: 67.36 ng
RT: 9.557 min Scan# 1100
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:139 Resp: 278764

Ion	Ratio	Lower	Upper
139	100		
109	33.4	25.9	38.9
65	47.3	37.9	56.9



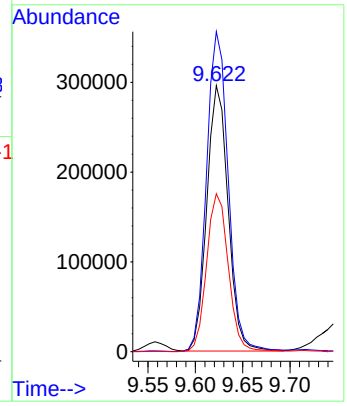


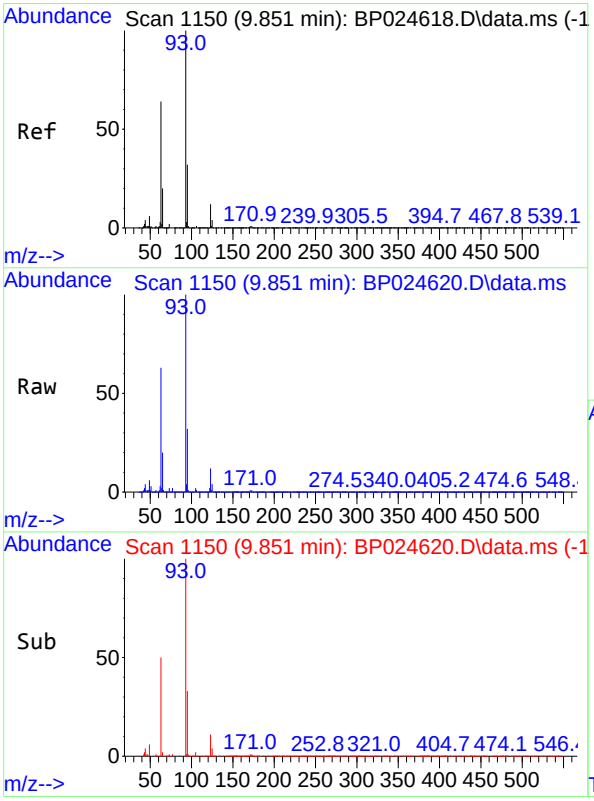
#27
2,4-Dimethylphenol
Concen: 63.34 ng
RT: 9.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 462148

Ion	Ratio	Lower	Upper
122	100		
107	120.2	96.2	144.2
121	59.3	47.6	71.4

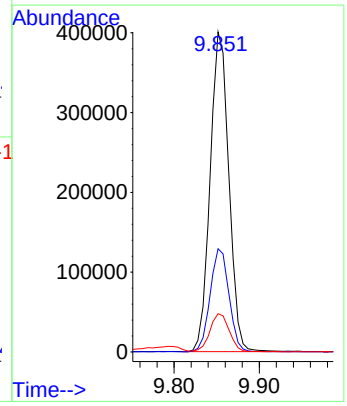


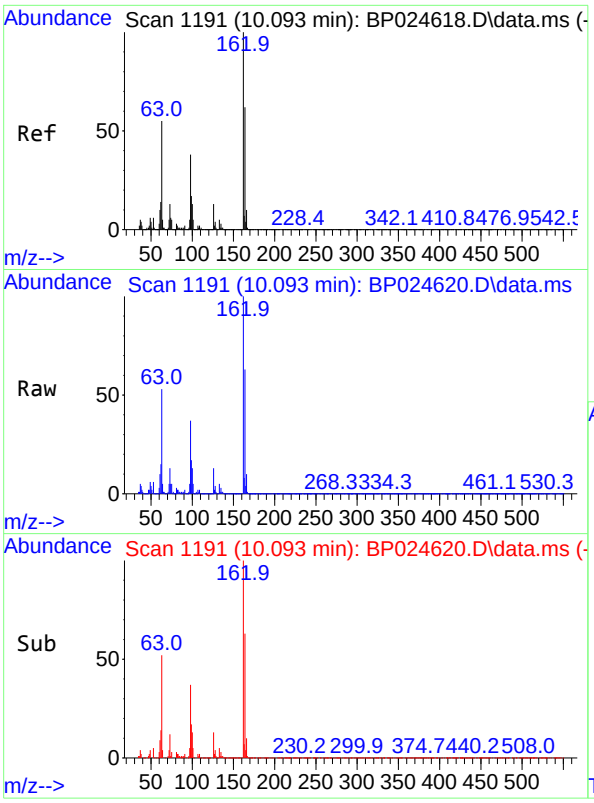


#28
bis(2-Chloroethoxy)methane
Concen: 61.35 ng
RT: 9.851 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion: 93 Resp: 610221

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.5	38.3
123	11.9	9.7	14.5



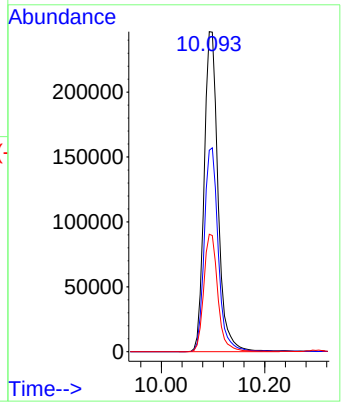


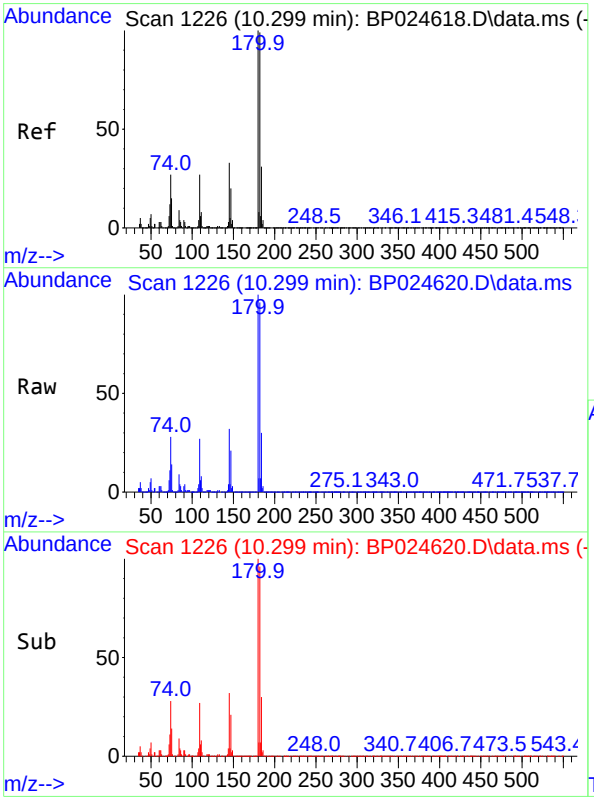
#29
2,4-Dichlorophenol
Concen: 65.03 ng
RT: 10.093 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 459806

Ion	Ratio	Lower	Upper
162	100		
164	62.9	42.3	82.3
98	36.7	18.4	58.4

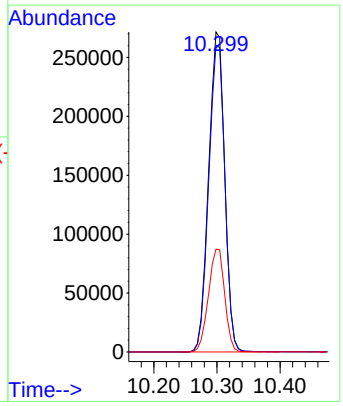


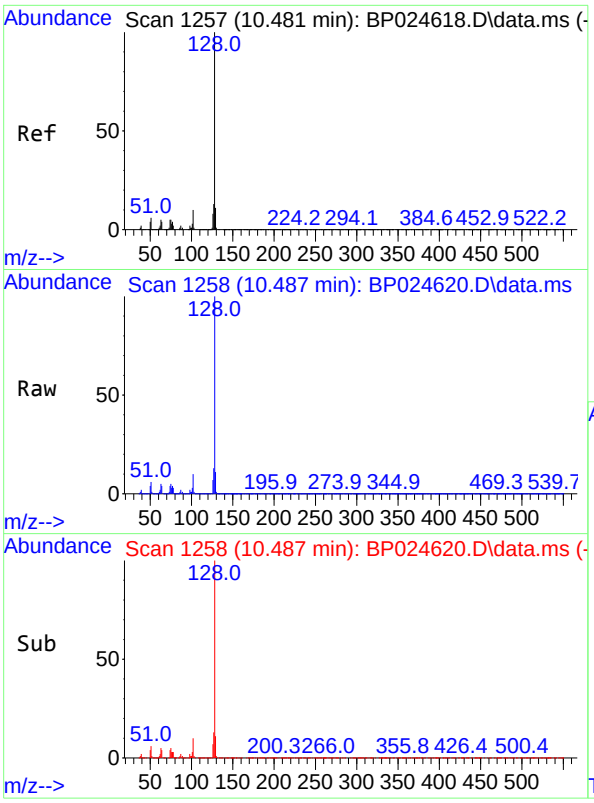


#30
1,2,4-Trichlorobenzene
Concen: 60.05 ng
RT: 10.299 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:180 Resp: 478505

Ion	Ratio	Lower	Upper
180	100		
182	95.9	79.0	118.4
145	32.2	26.6	39.8



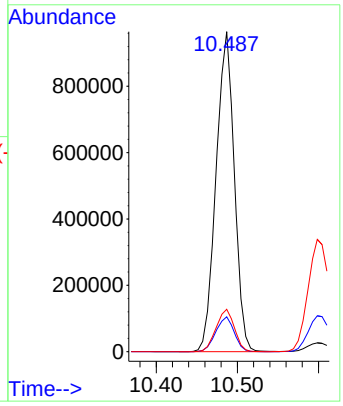


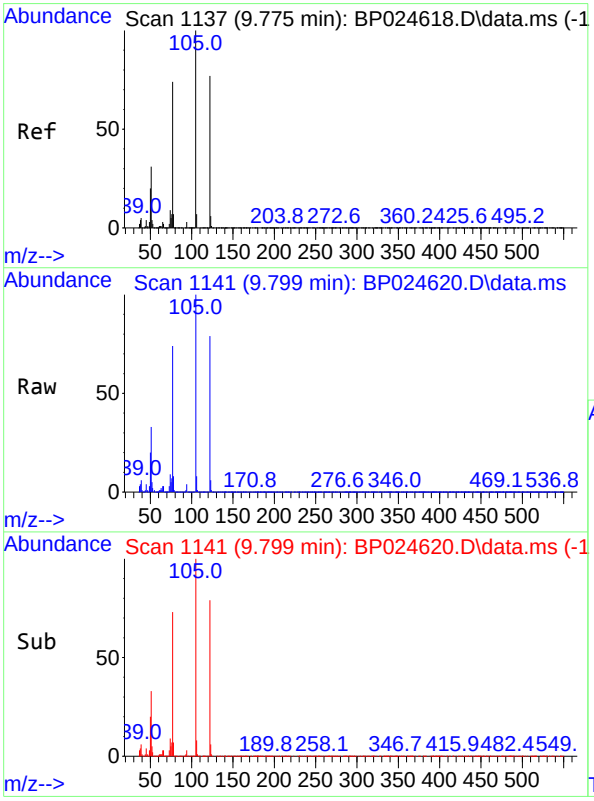
#31
Naphthalene
Concen: 60.03 ng
RT: 10.487 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 1508460

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.3	10.7	16.1

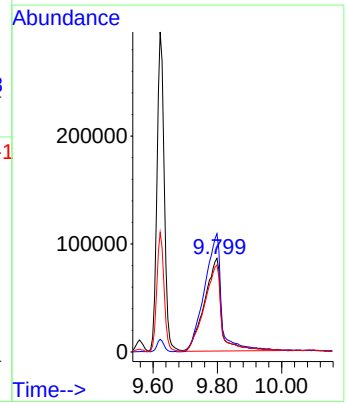


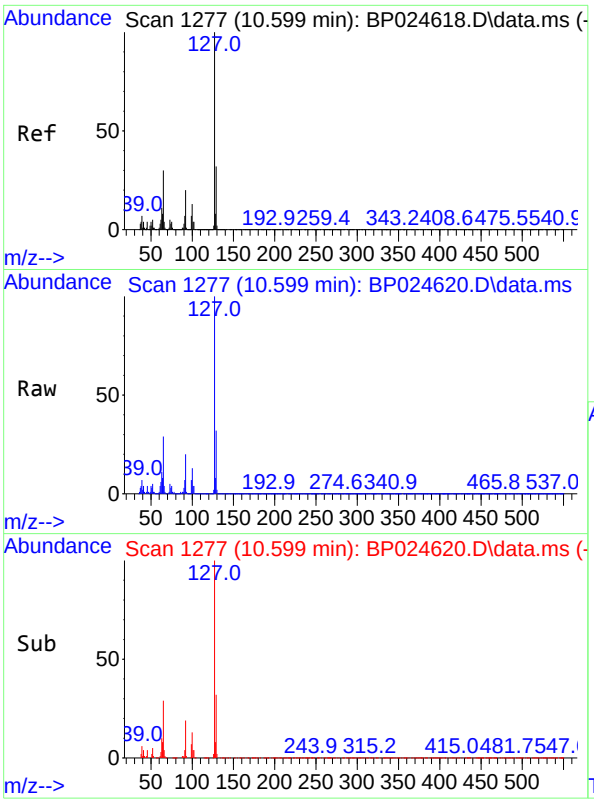


#32
Benzoic acid
Concen: 60.53 ng
RT: 9.799 min Scan# 1141
Delta R.T. 0.024 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:122 Resp: 319375

Ion	Ratio	Lower	Upper
122	100		
105	126.3	106.9	146.9
77	93.0	75.1	115.1



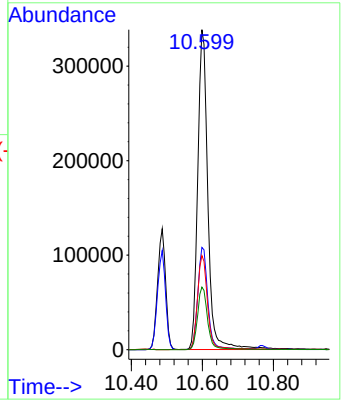


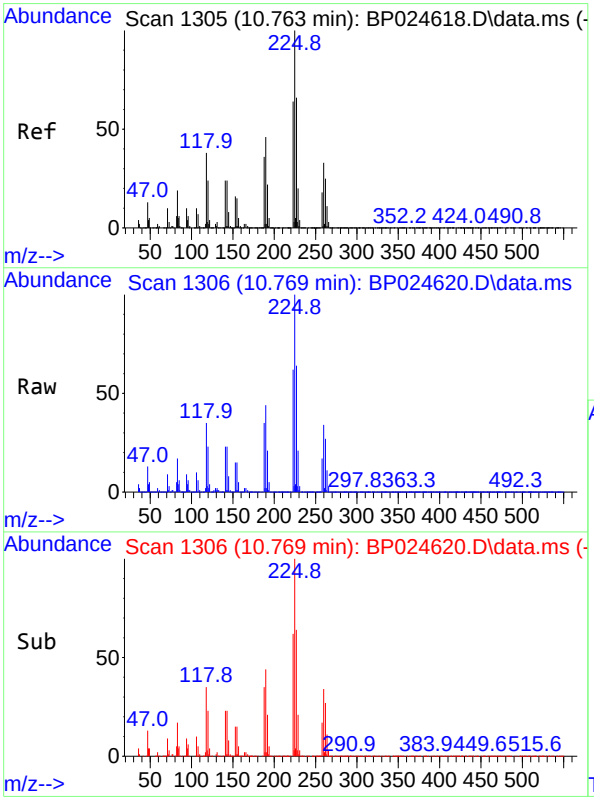
#33
4-Chloroaniline
Concen: 66.26 ng
RT: 10.599 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 671888

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.8	38.6
65	29.4	23.9	35.9
92	19.6	16.1	24.1

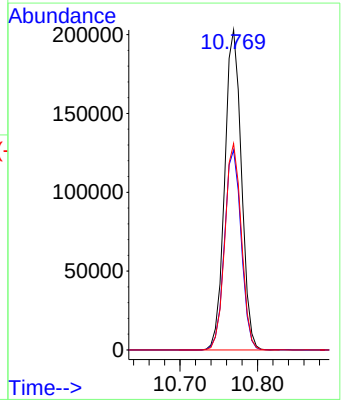


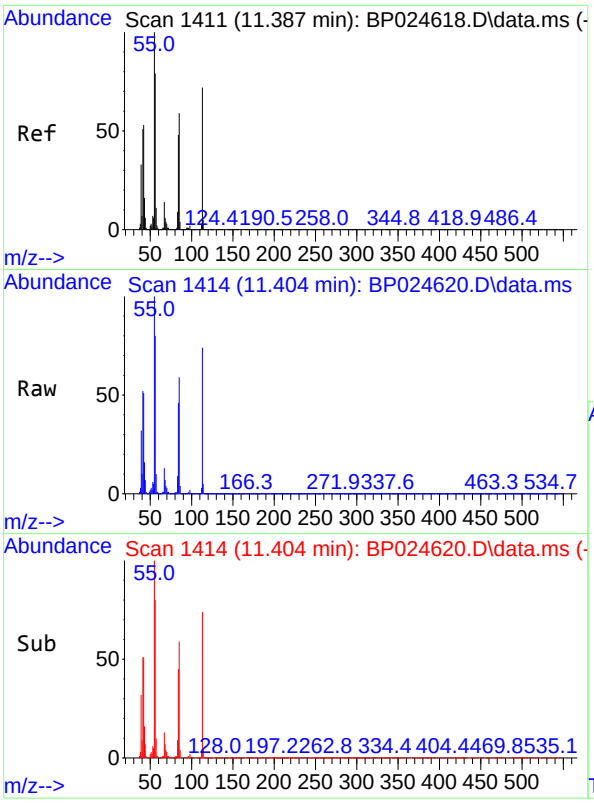


#34
Hexachlorobutadiene
Concen: 58.79 ng
RT: 10.769 min Scan# 1306
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:225 Resp: 303458

Ion	Ratio	Lower	Upper
225	100		
223	62.5	51.0	76.6
227	64.5	53.1	79.7



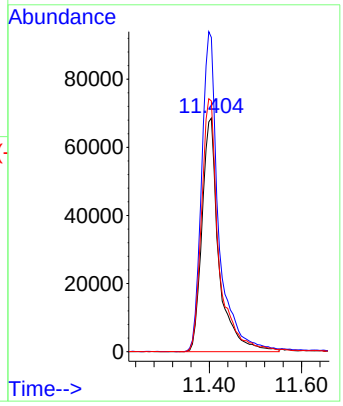


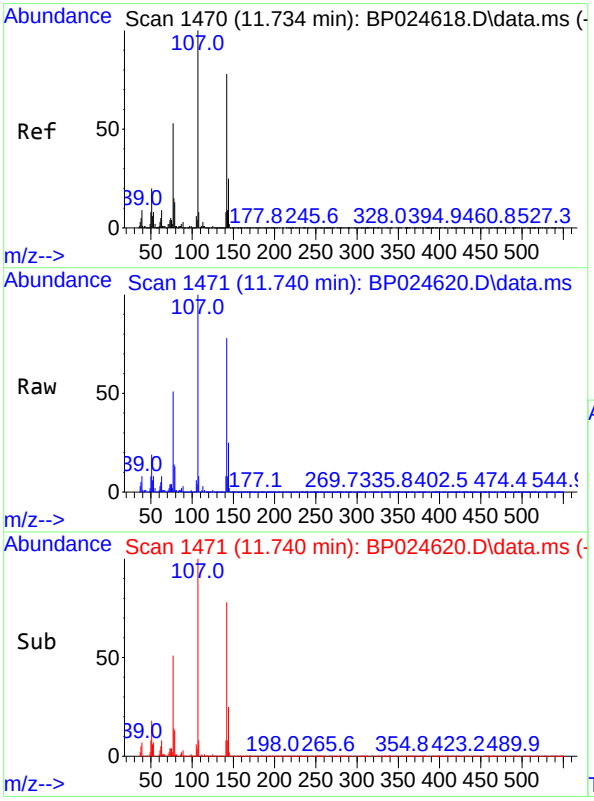
#35
Caprolactam
Concen: 68.70 ng
RT: 11.404 min Scan# 14
Delta R.T. 0.018 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 175653

Ion	Ratio	Lower	Upper
113	100		
55	134.5	119.0	159.0
56	107.3	90.3	130.3

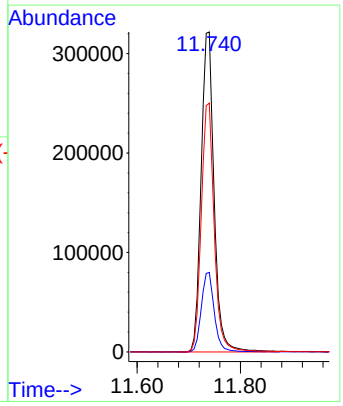


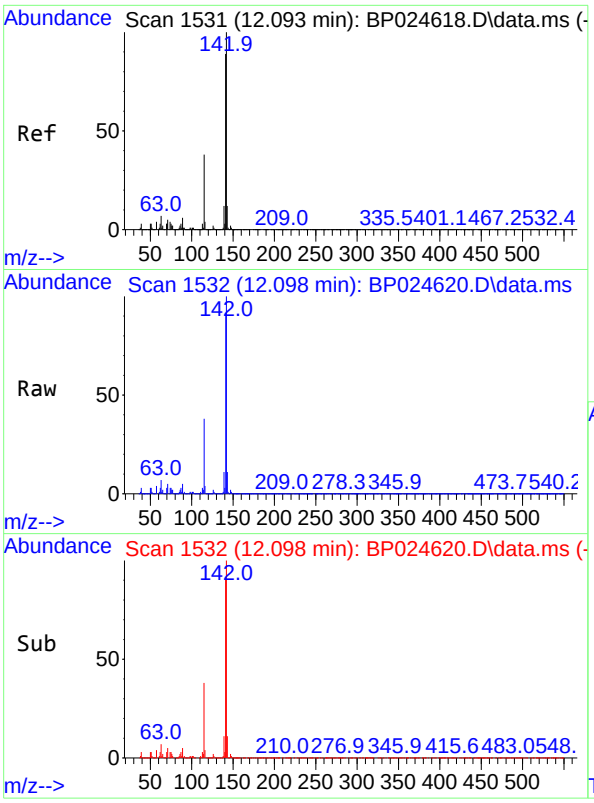


#36
4-Chloro-3-methylphenol
Concen: 64.84 ng
RT: 11.740 min Scan# 1471
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:107 Resp: 559138

Ion	Ratio	Lower	Upper
107	100		
144	24.9	20.1	30.1
142	77.8	62.1	93.1



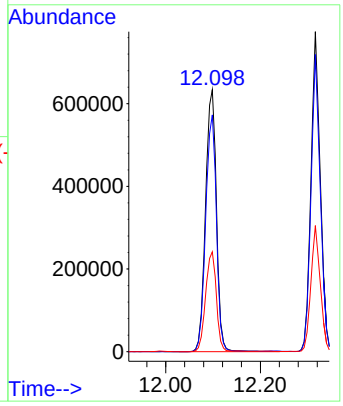


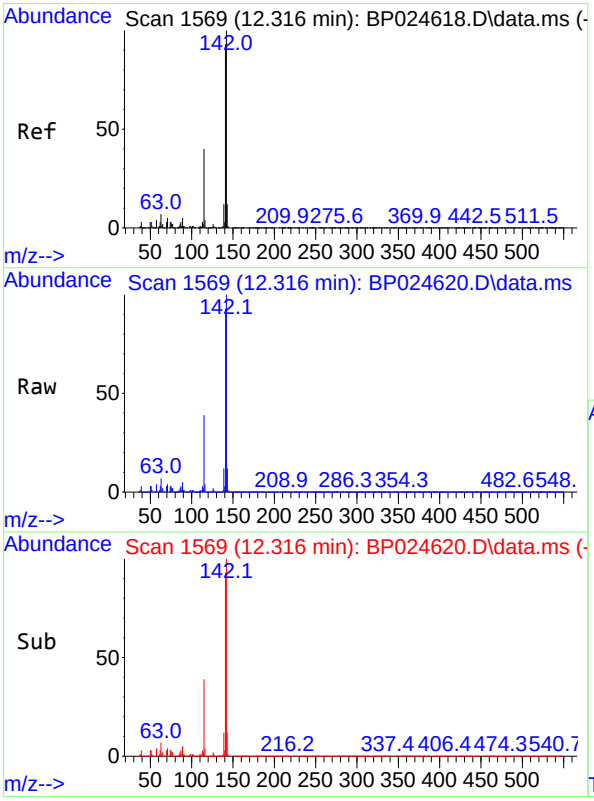
#37
2-Methylnaphthalene
Concen: 61.96 ng
RT: 12.098 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 1008171

Ion	Ratio	Lower	Upper
142	100		
141	90.4	71.2	106.8
115	38.1	30.6	46.0

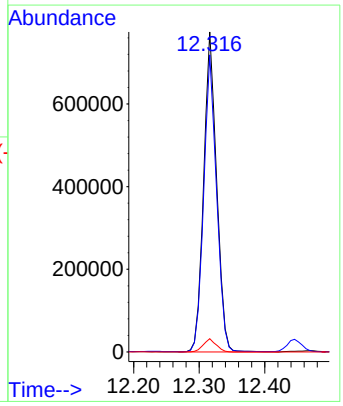


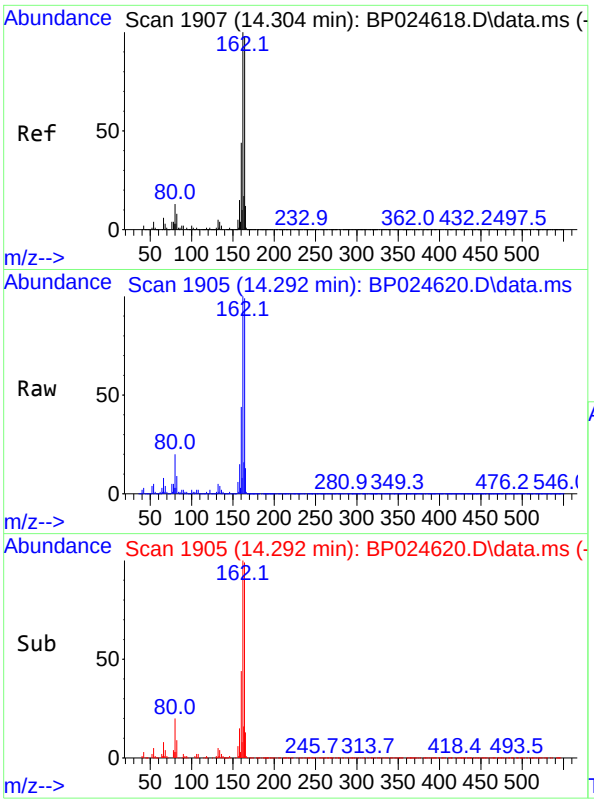


#38
1-Methylnaphthalene
Concen: 61.25 ng
RT: 12.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:142 Resp: 1066290

Ion	Ratio	Lower	Upper
142	100		
141	92.9	74.7	112.1
116	4.2	3.4	5.2



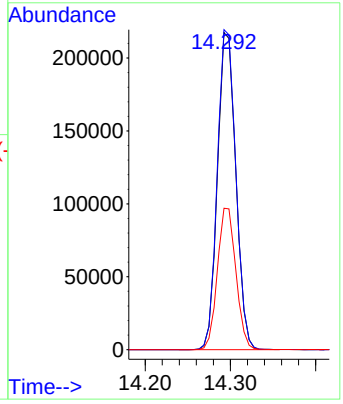


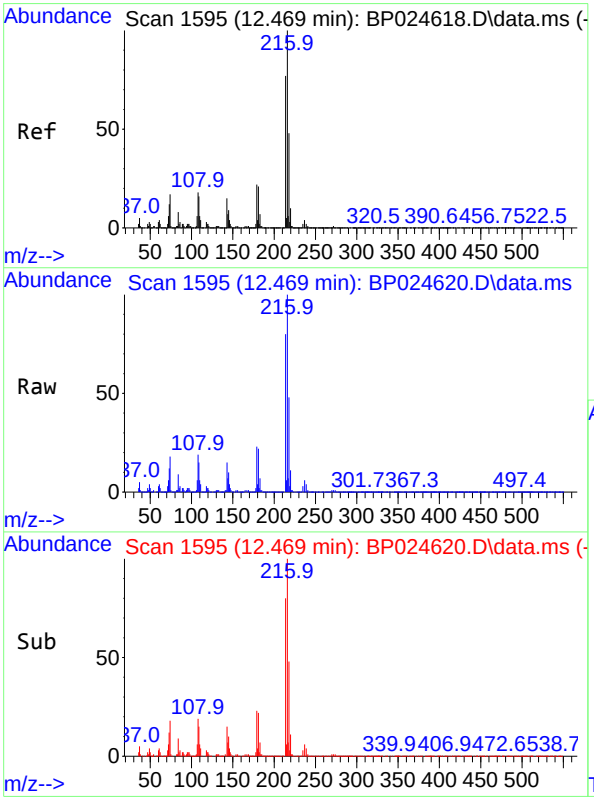
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.292 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 325327

Ion	Ratio	Lower	Upper
164	100		
162	100.9	81.8	122.6
160	44.6	36.3	54.5

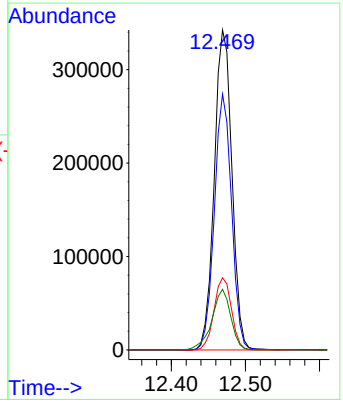


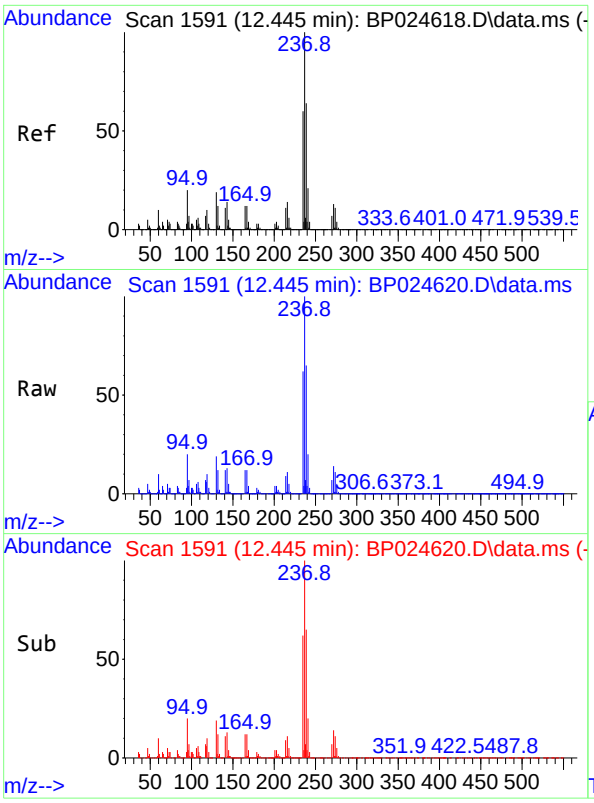


#40
1,2,4,5-Tetrachlorobenzene
Concen: 59.97 ng
RT: 12.469 min Scan# 1595
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:216 Resp: 566530

Ion	Ratio	Lower	Upper
216	100		
214	78.2	62.3	93.5
179	22.4	17.7	26.5
108	20.3	16.0	24.0



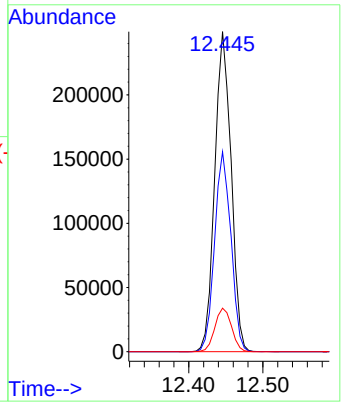


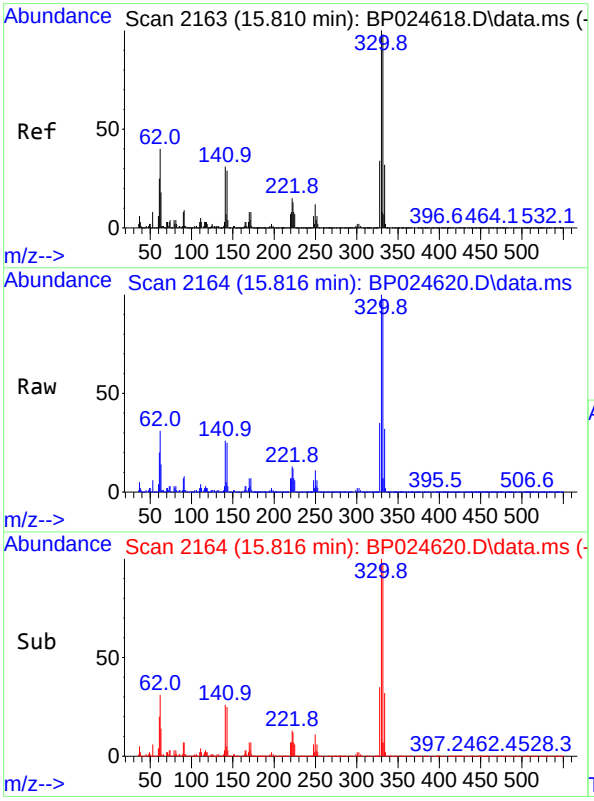
#41
Hexachlorocyclopentadiene
Concen: 66.62 ng
RT: 12.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 381621

Ion	Ratio	Lower	Upper
237	100		
235	62.4	39.9	79.9
272	13.6	0.0	33.2

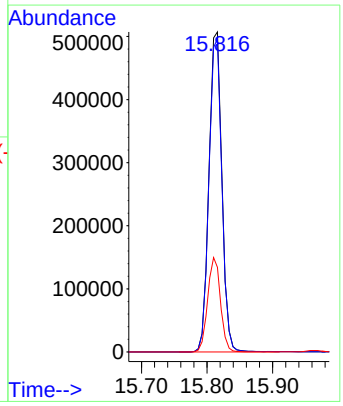


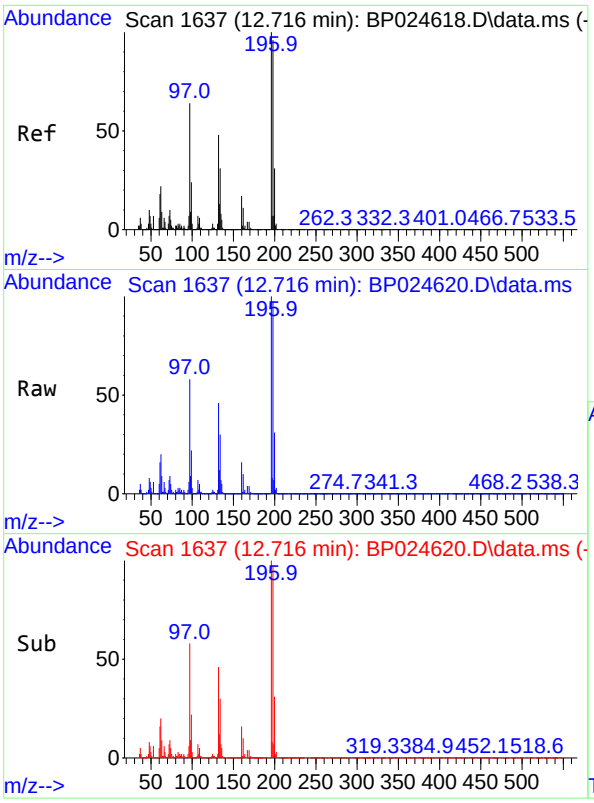


#42
2,4,6-Tribromophenol
Concen: 126.27 ng
RT: 15.816 min Scan# 2164
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:330 Resp: 696428

Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.2	117.4
141	29.3	24.3	36.5



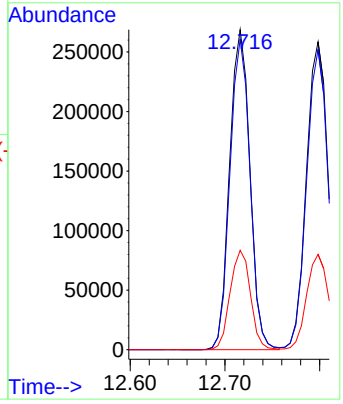


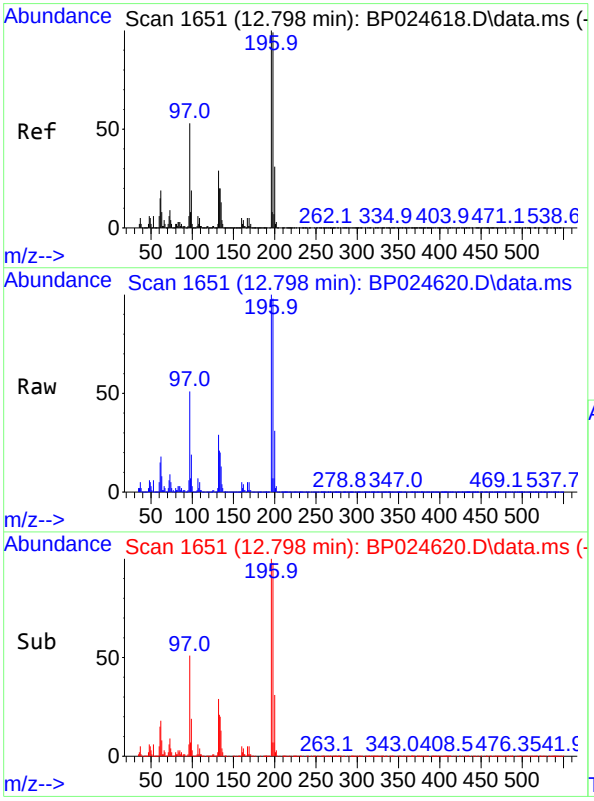
#43
2,4,6-Trichlorophenol
Concen: 65.46 ng
RT: 12.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 400552

Ion	Ratio	Lower	Upper
196	100		
198	97.0	76.9	115.3
200	31.0	25.2	37.8

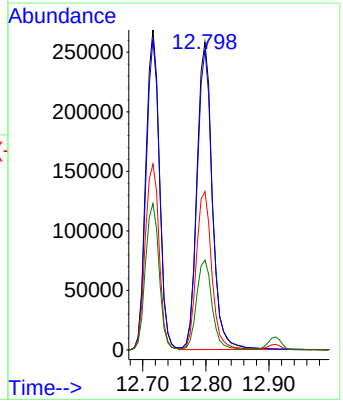


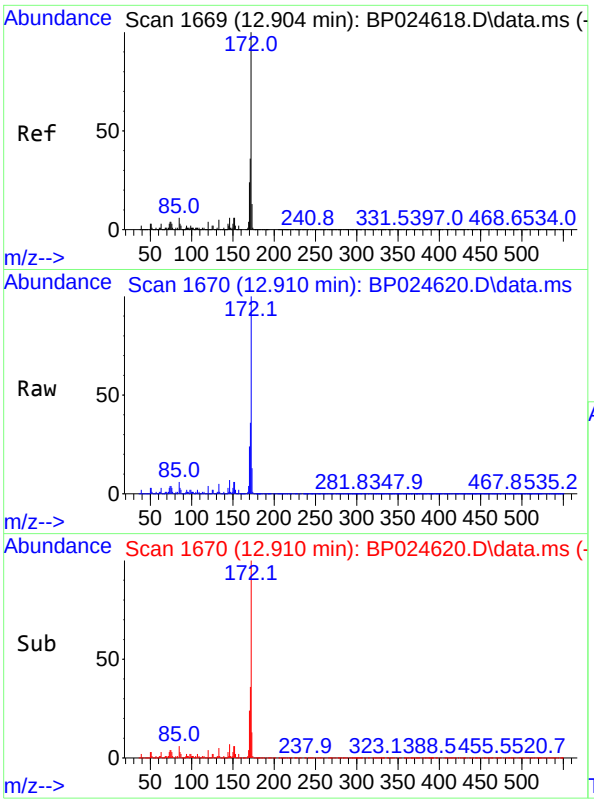


#44
2,4,5-Trichlorophenol
Concen: 64.06 ng
RT: 12.798 min Scan# 1651
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:196 Resp: 436361

Ion	Ratio	Lower	Upper
196	100		
198	97.5	79.2	118.8
97	51.4	42.3	63.5
132	29.2	23.3	34.9



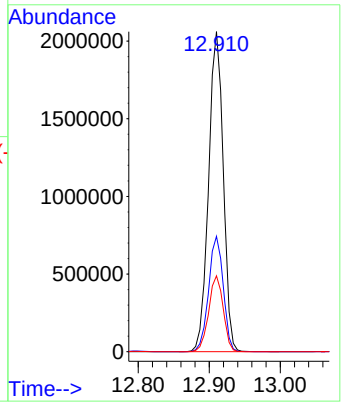


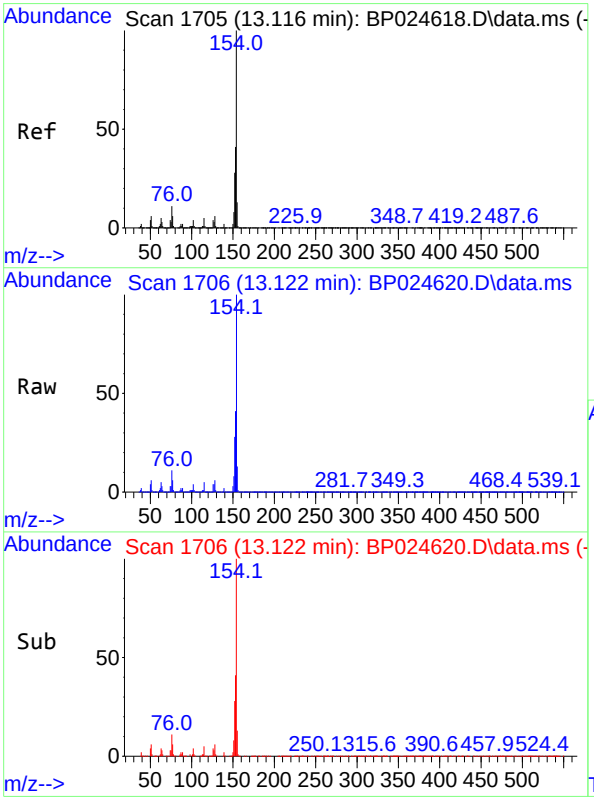
#45
2-Fluorobiphenyl
Concen: 119.08 ng
RT: 12.910 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 2956939

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.8	43.2
170	23.7	18.8	28.2

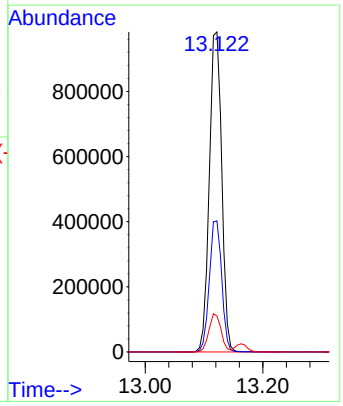


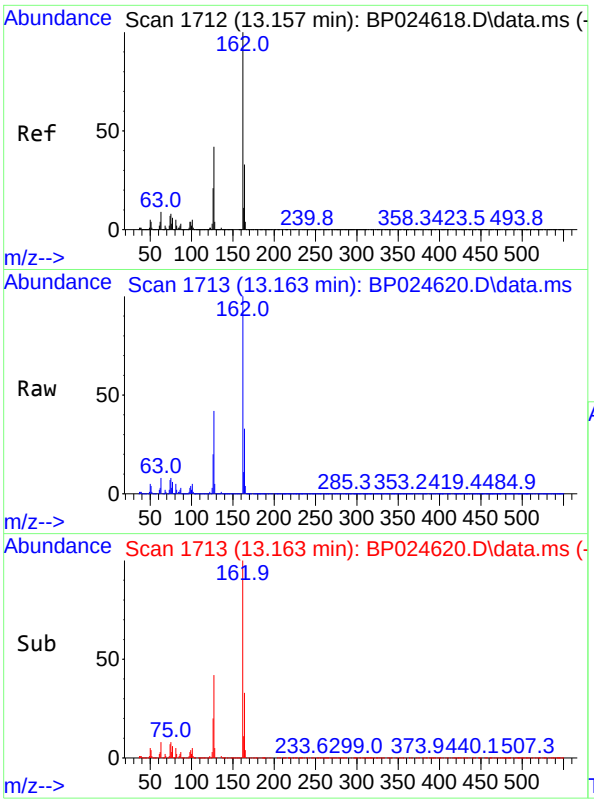


#46
1,1'-Biphenyl
Concen: 59.80 ng
RT: 13.122 min Scan# 1706
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:154 Resp: 1437786

Ion	Ratio	Lower	Upper
154	100		
153	41.0	21.0	61.0
76	11.3	0.0	31.5



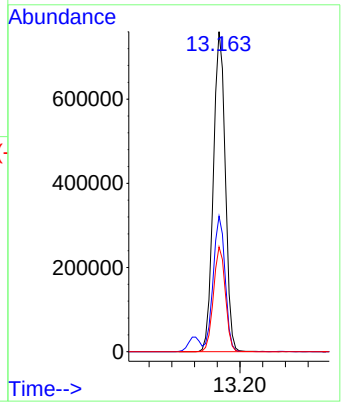


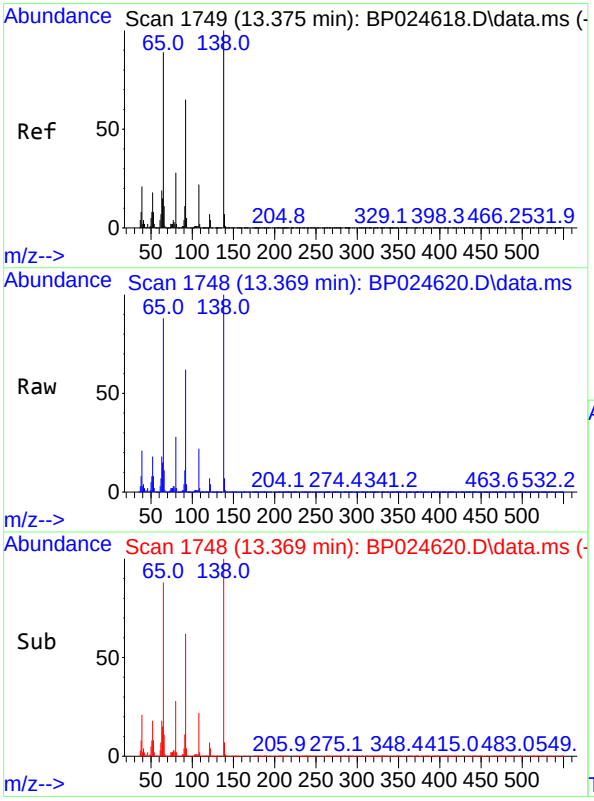
#47
2-Chloronaphthalene
Concen: 60.29 ng
RT: 13.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 1105298

Ion	Ratio	Lower	Upper
162	100		
127	42.3	33.8	50.6
164	32.8	26.0	39.0

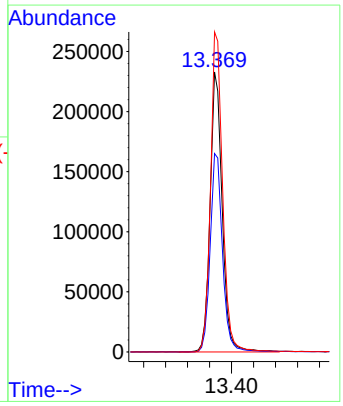


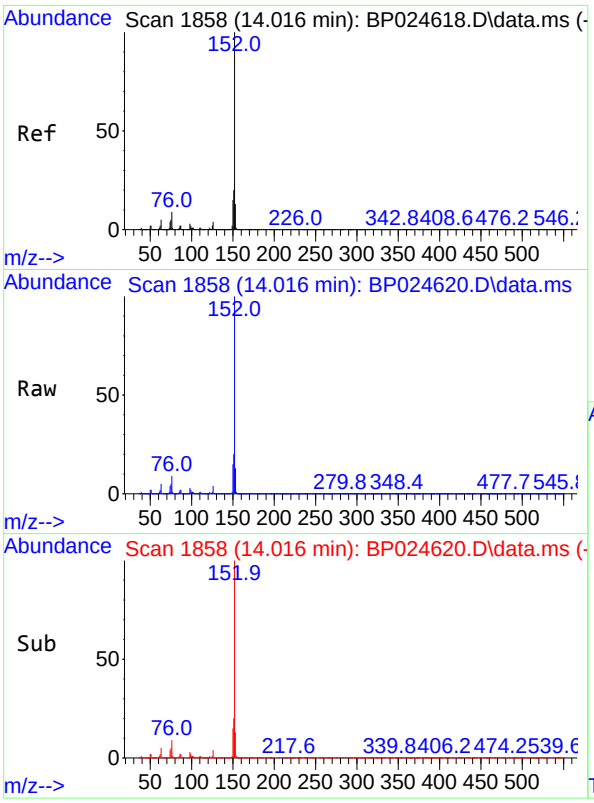


#48
2-Nitroaniline
Concen: 65.40 ng
RT: 13.369 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion: 65 Resp: 354977

Ion	Ratio	Lower	Upper
65	100		
92	70.9	58.7	88.1
138	114.3	90.2	135.2



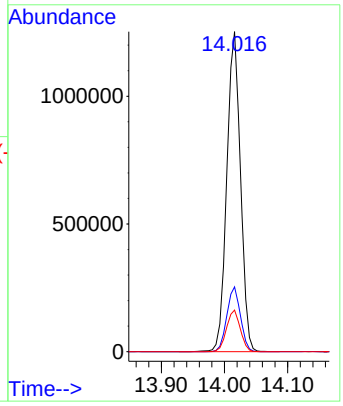


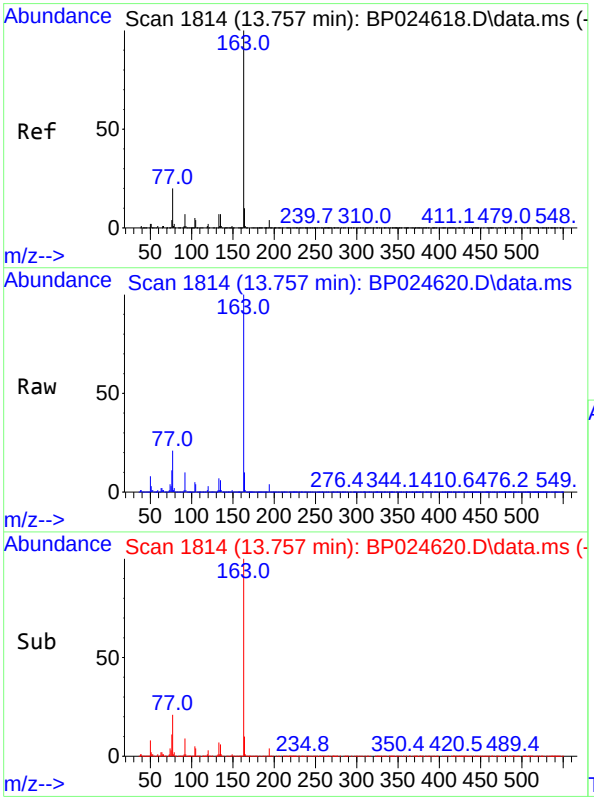
#49
Acenaphthylene
Concen: 61.41 ng
RT: 14.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 1884018

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.4
153	13.0	10.2	15.4

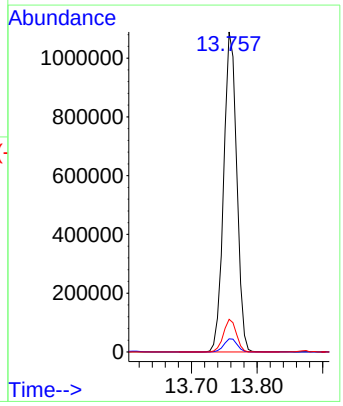


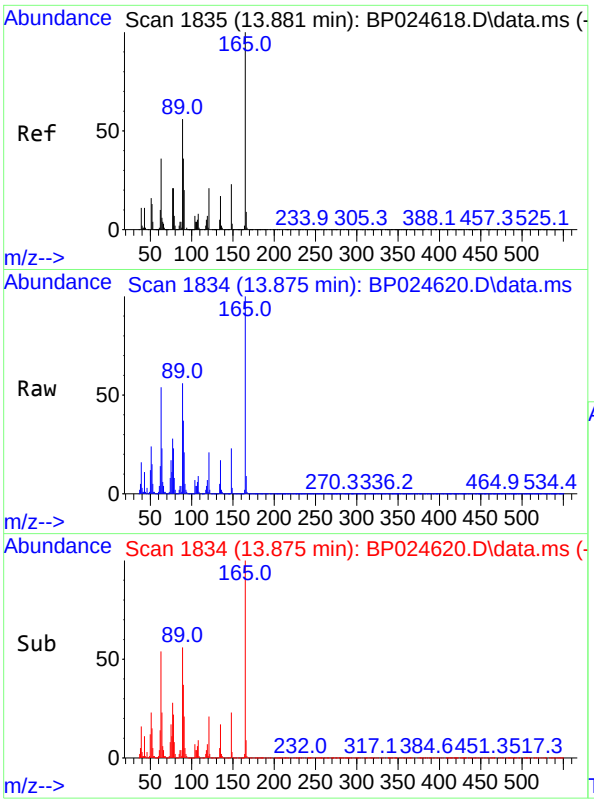


#50
Dimethylphthalate
Concen: 60.42 ng
RT: 13.757 min Scan# 1814
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:163 Resp: 1498318

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.2	8.1	12.1



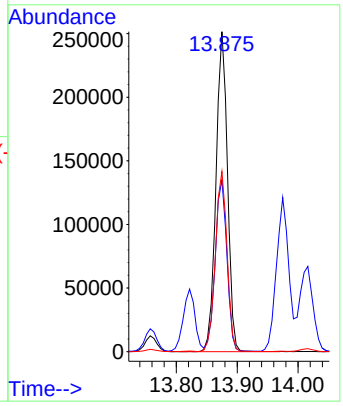


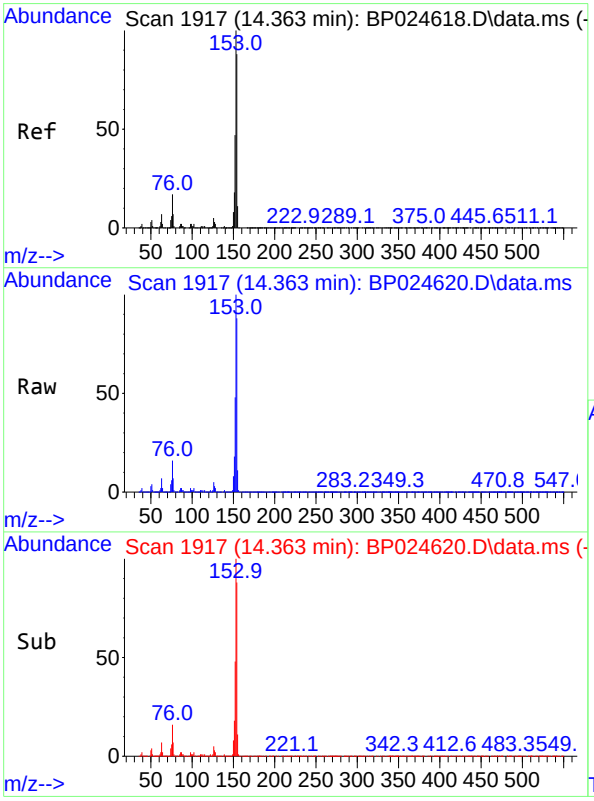
#51
2,6-Dinitrotoluene
Concen: 62.76 ng
RT: 13.875 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 328682

Ion	Ratio	Lower	Upper
165	100		
63	53.7	42.4	63.6
89	56.3	44.8	67.2

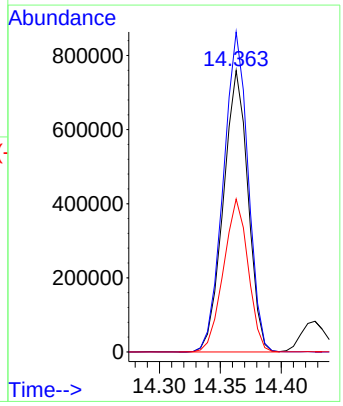


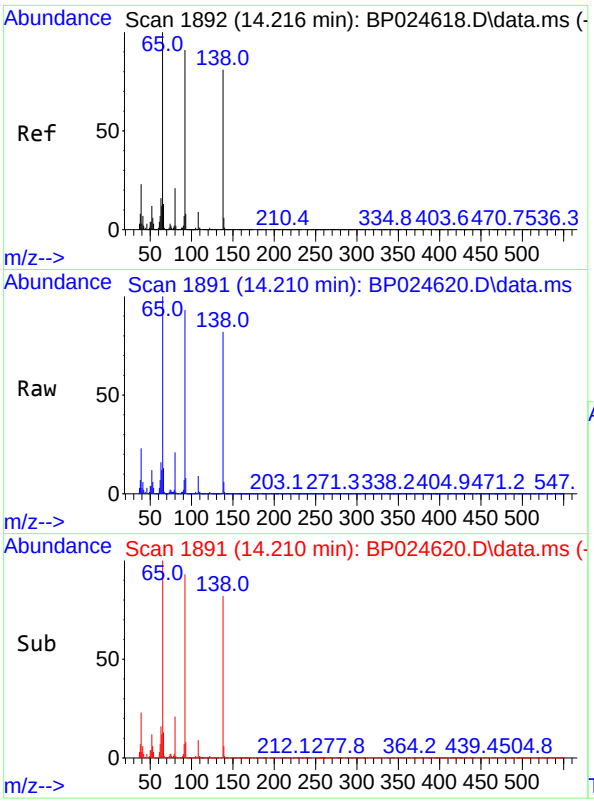


#52
Acenaphthene
Concen: 60.80 ng
RT: 14.363 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:154 Resp: 1072483

Ion	Ratio	Lower	Upper
154	100		
153	113.7	91.0	136.4
152	54.4	42.9	64.3



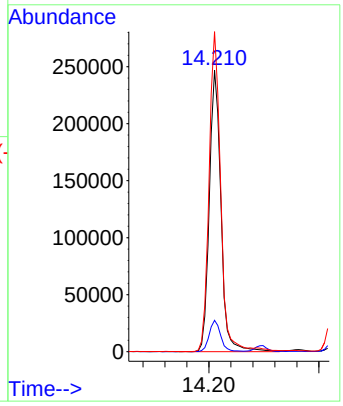


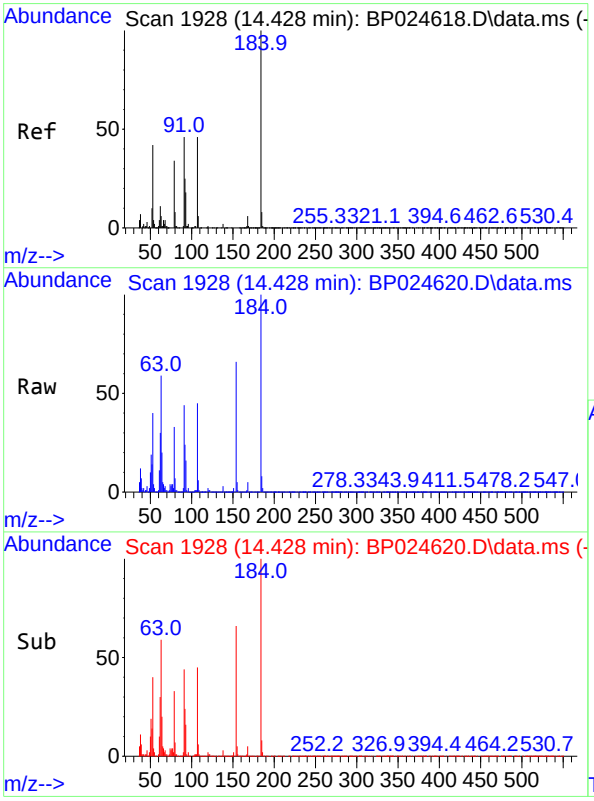
#53
3-Nitroaniline
Concen: 67.54 ng
RT: 14.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 361174

Ion	Ratio	Lower	Upper
138	100		
108	11.1	9.0	13.4
92	113.7	90.1	135.1

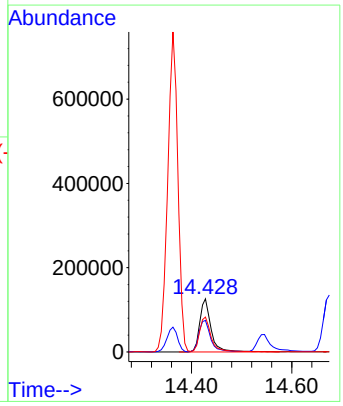


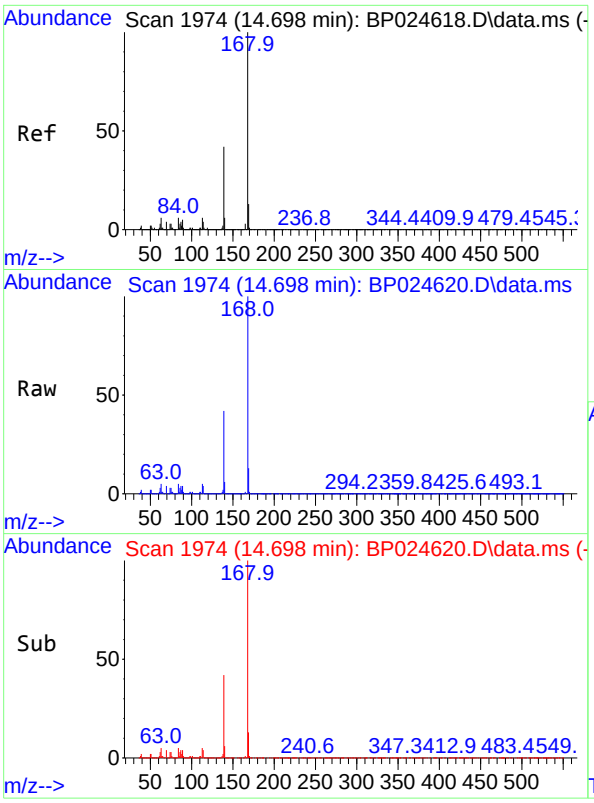


#54
2,4-Dinitrophenol
Concen: 61.10 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:184 Resp: 196350

Ion	Ratio	Lower	Upper
184	100		
63	59.3	51.3	76.9
154	65.7	53.5	80.3



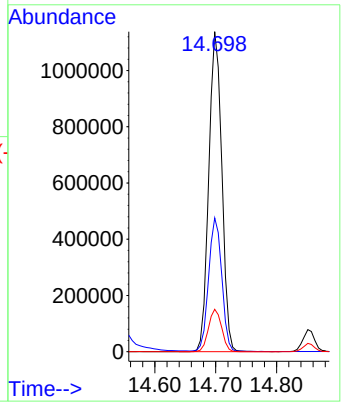


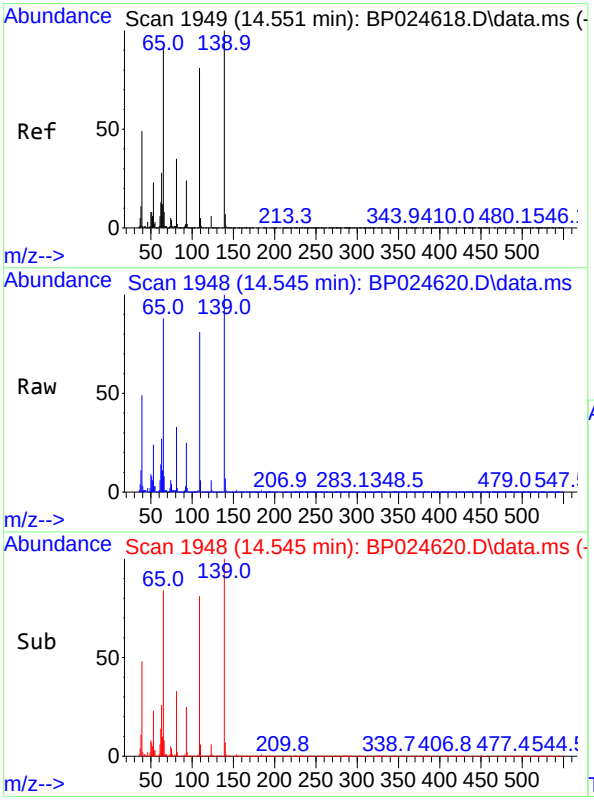
#55
Dibenzofuran
Concen: 60.13 ng
RT: 14.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 1691790

Ion	Ratio	Lower	Upper
168	100		
139	41.8	34.2	51.4
169	13.3	10.8	16.2

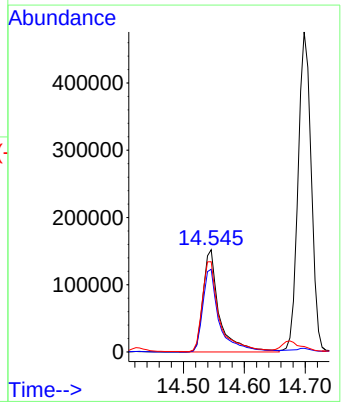


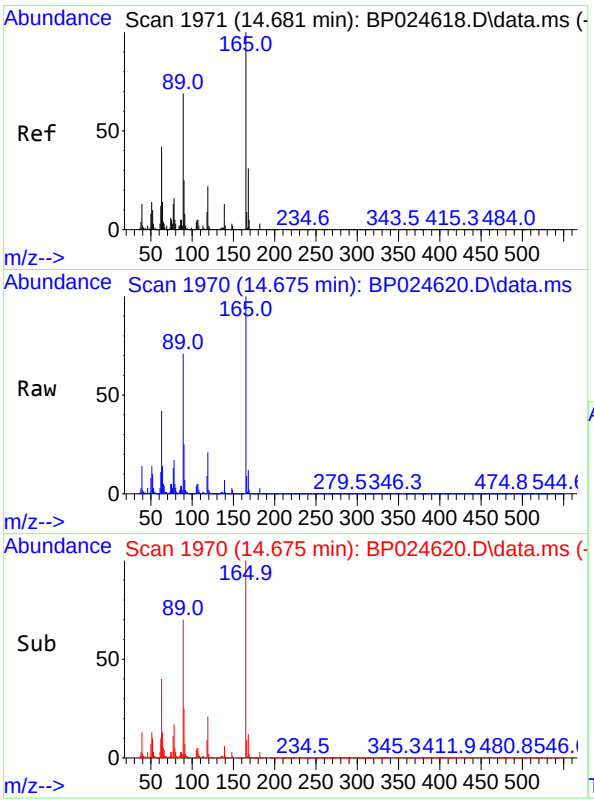


#56
4-Nitrophenol
Concen: 61.78 ng
RT: 14.545 min Scan# 1948
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:139 Resp: 281293

Ion	Ratio	Lower	Upper
139	100		
109	80.9	61.4	101.4
65	88.2	72.2	112.2



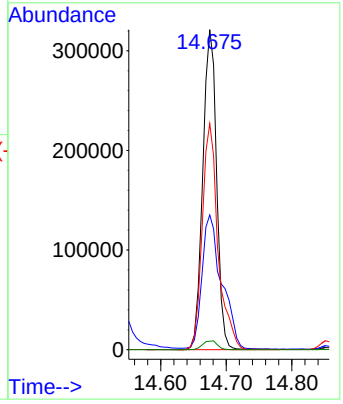


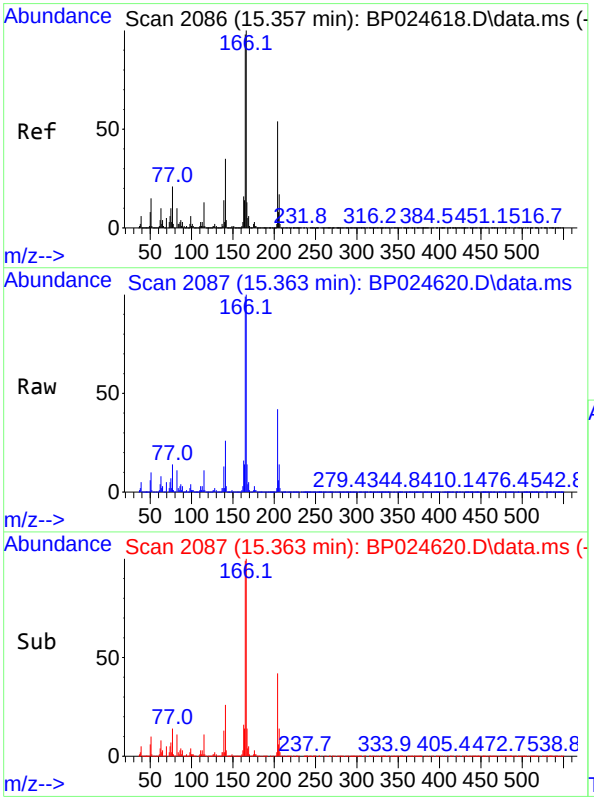
#57
2,4-Dinitrotoluene
Concen: 63.87 ng
RT: 14.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 471525

Ion	Ratio	Lower	Upper
165	100		
63	42.1	33.8	50.6
89	70.6	55.6	83.4
182	2.7	2.4	3.6

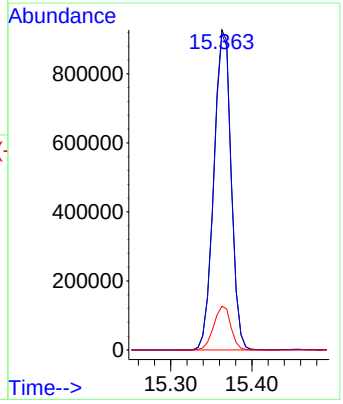


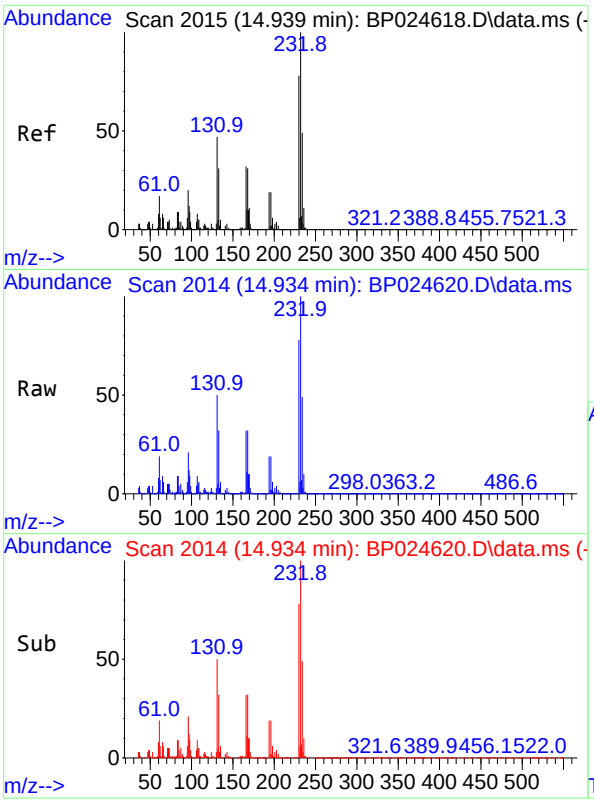


#58
Fluorene
Concen: 60.00 ng
RT: 15.363 min Scan# 2087
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:166 Resp: 1376412

Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.5	117.7
167	13.6	10.7	16.1



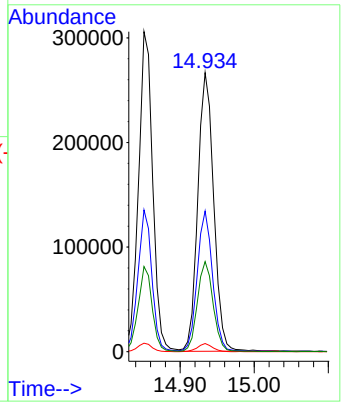


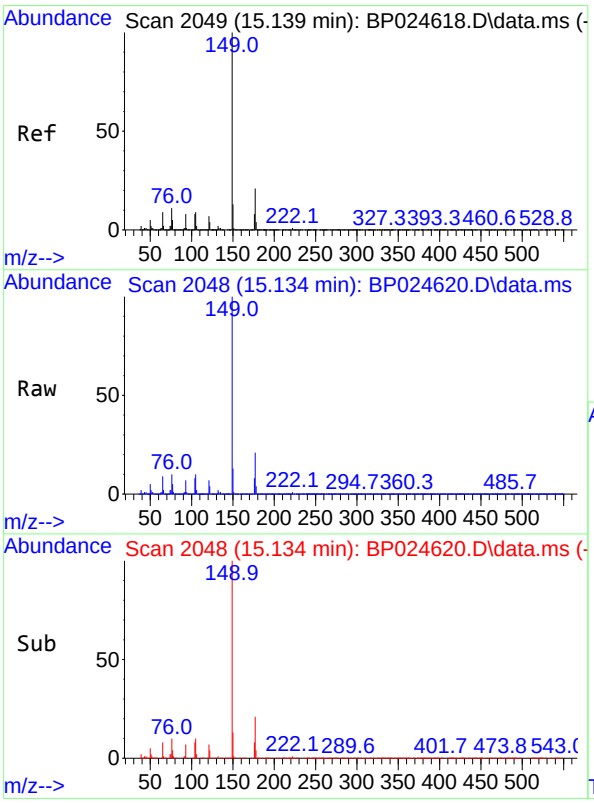
#59
2,3,4,6-Tetrachlorophenol
Concen: 62.78 ng
RT: 14.934 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 396678

Ion	Ratio	Lower	Upper
232	100		
131	49.0	39.5	59.3
130	2.7	2.2	3.4
166	31.9	25.7	38.5

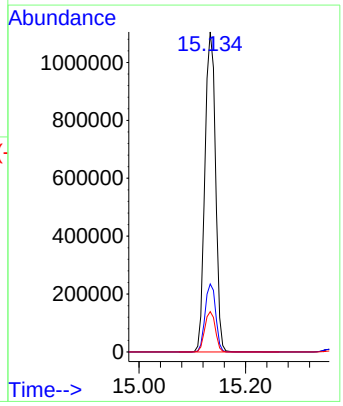


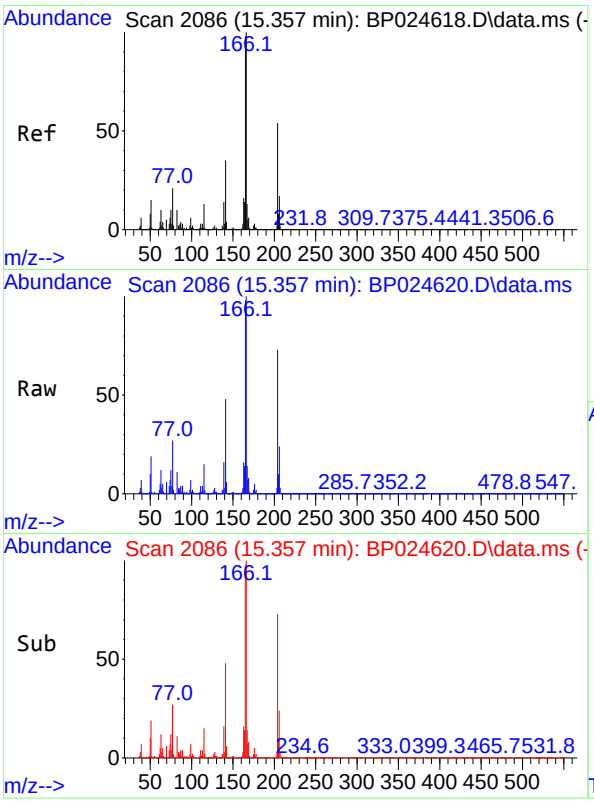


#60
Diethylphthalate
Concen: 60.87 ng
RT: 15.134 min Scan# 2048
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:149 Resp: 1525628

Ion	Ratio	Lower	Upper
149	100		
177	21.2	16.7	25.1
150	12.6	10.2	15.2



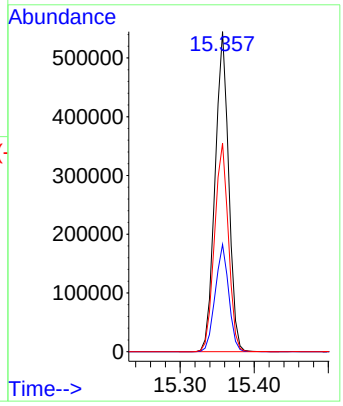


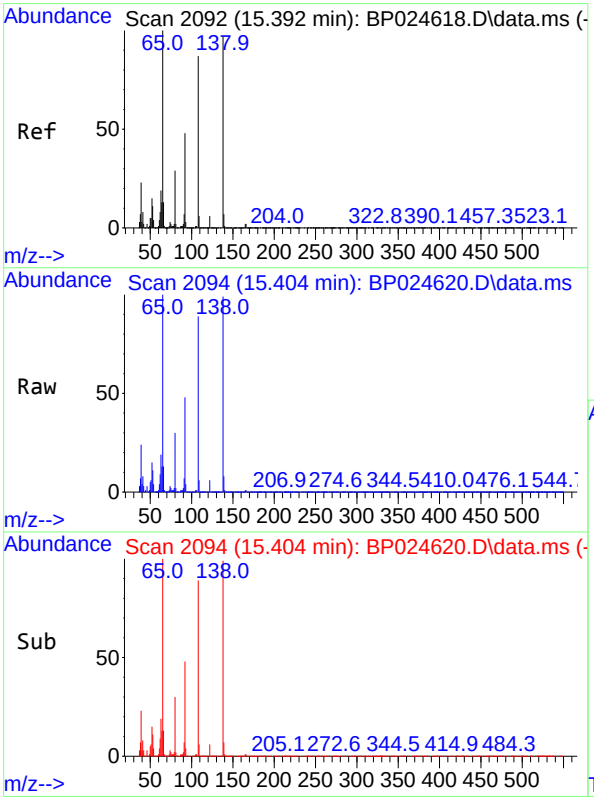
#61
4-Chlorophenyl-phenylether
Concen: 60.51 ng
RT: 15.357 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 692230

Ion	Ratio	Lower	Upper
204	100		
206	33.5	26.0	39.0
141	65.2	52.9	79.3

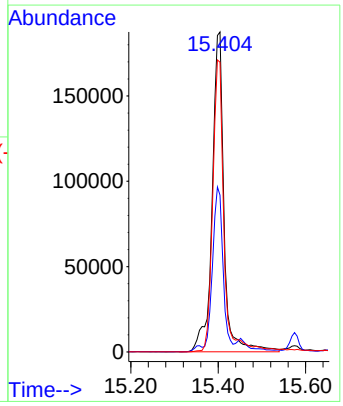


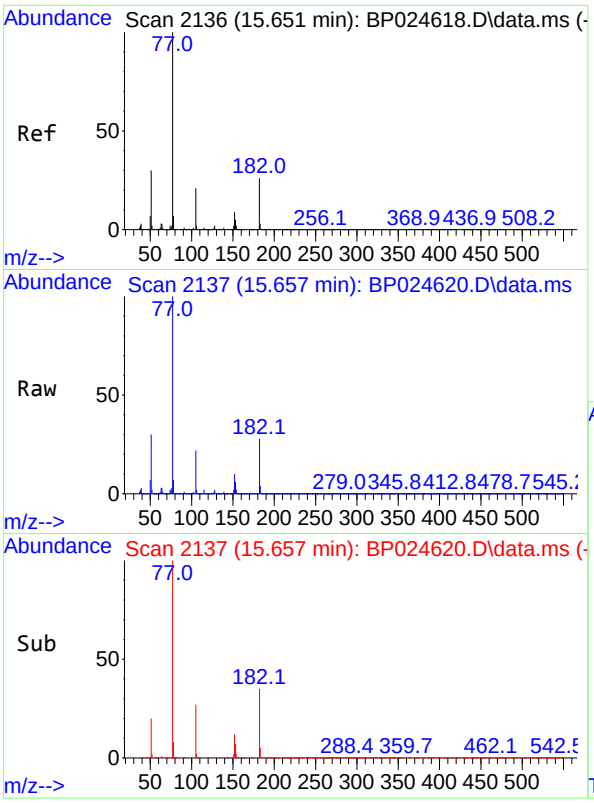


#62
4-Nitroaniline
Concen: 68.05 ng
RT: 15.404 min Scan# 2094
Delta R.T. 0.012 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:138 Resp: 354287

Ion	Ratio	Lower	Upper
138	100		
92	49.0	29.2	69.2
108	90.5	69.0	109.0



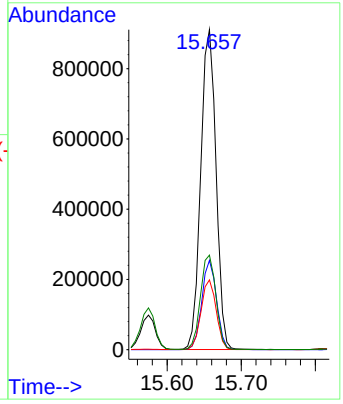


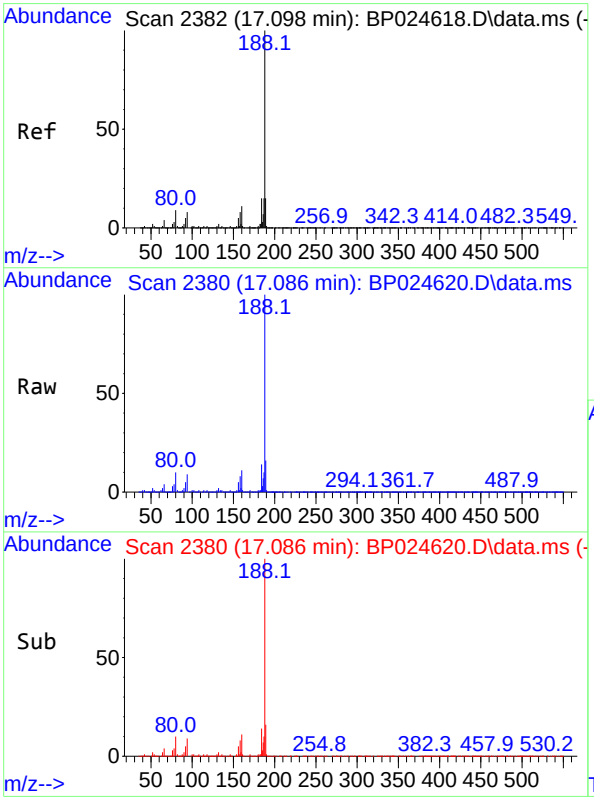
#63
Azobenzene
Concen: 61.14 ng
RT: 15.657 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 1310800

Ion	Ratio	Lower	Upper
77	100		
182	27.9	5.7	45.7
105	21.8	1.3	41.3
51	29.6	10.6	50.6

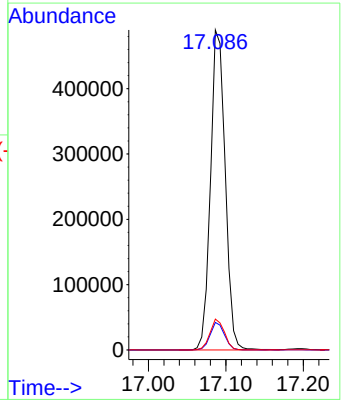


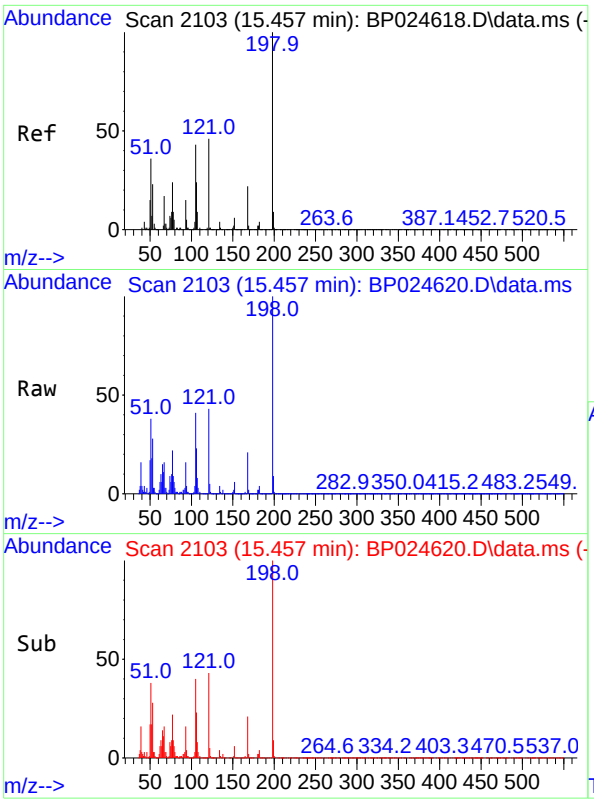


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.086 min Scan# 2380
Delta R.T. -0.012 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:188 Resp: 646756

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.5	9.7
80	9.6	7.3	10.9



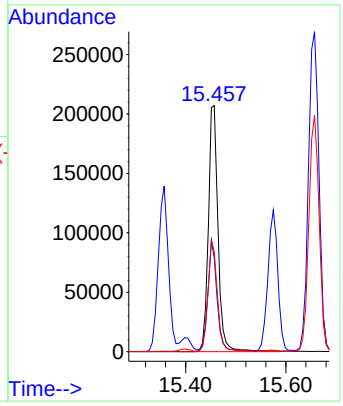


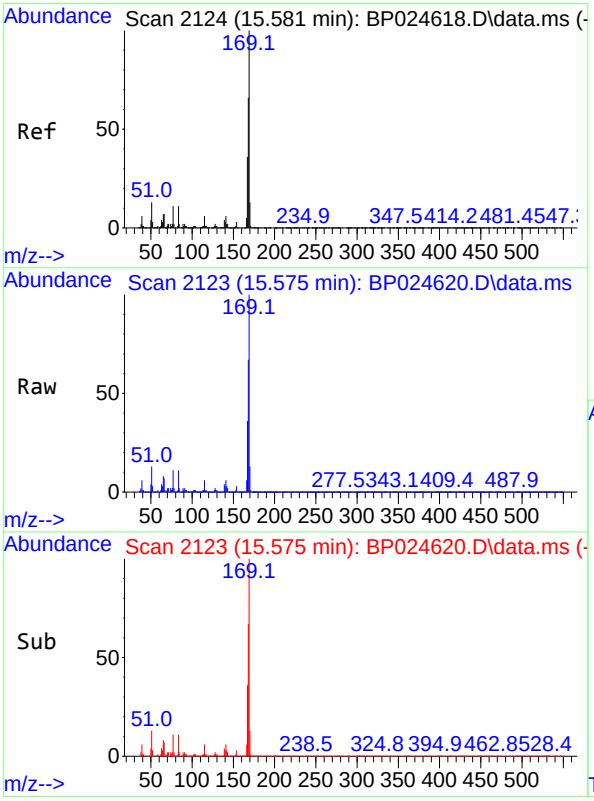
#65
4,6-Dinitro-2-methylphenol
Concen: 66.55 ng
RT: 15.457 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 278024

Ion	Ratio	Lower	Upper
198	100		
51	38.1	21.1	61.1
105	40.6	23.6	63.6

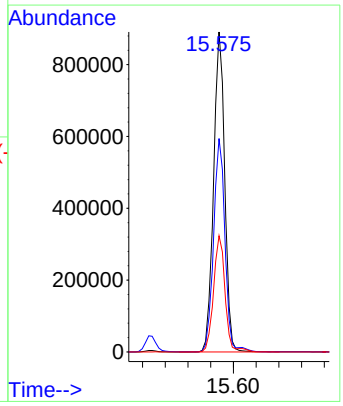


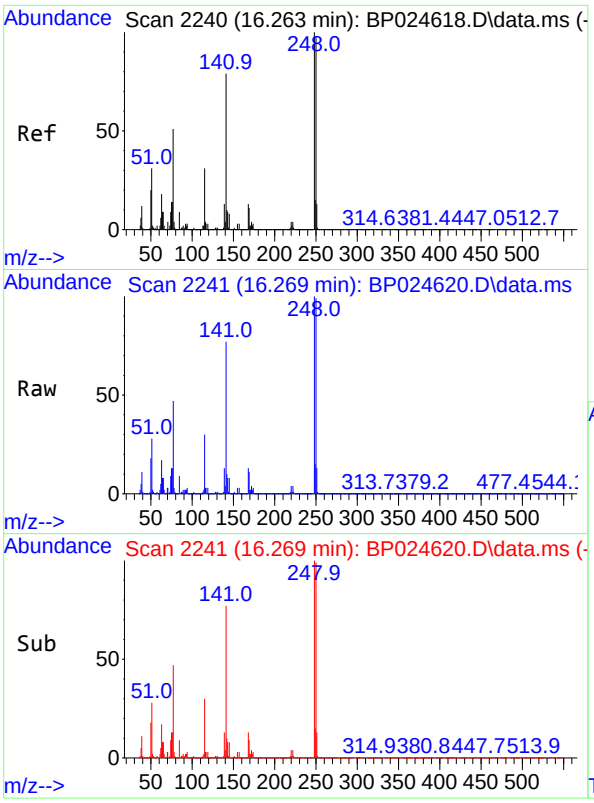


#66
n-Nitrosodiphenylamine
Concen: 60.68 ng
RT: 15.575 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:169 Resp: 1205525

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.2	79.8
167	36.3	28.6	43.0



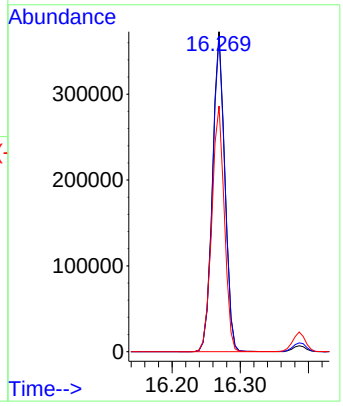


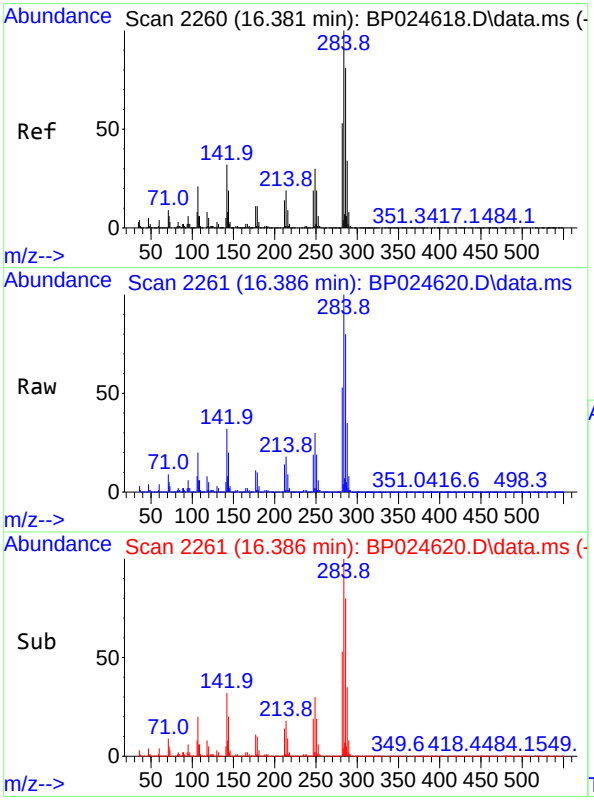
#67
4-Bromophenyl-phenylether
Concen: 61.56 ng
RT: 16.269 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 469127

Ion	Ratio	Lower	Upper
248	100		
250	98.6	78.2	117.4
141	76.7	63.0	94.6

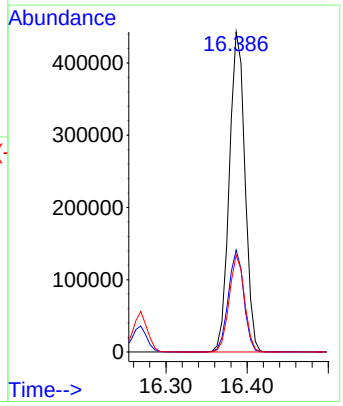


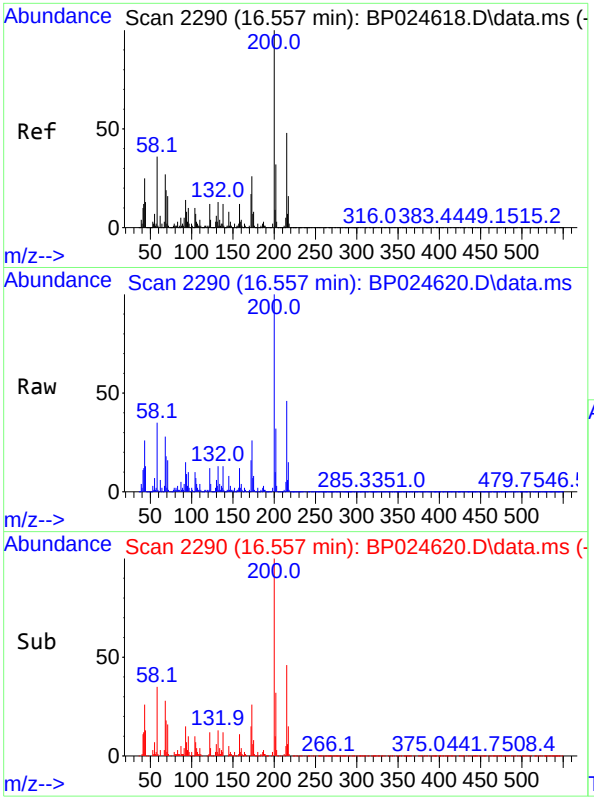


#68
Hexachlorobenzene
Concen: 60.99 ng
RT: 16.386 min Scan# 2261
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:284 Resp: 590615

Ion	Ratio	Lower	Upper
284	100		
142	31.9	25.9	38.9
249	30.3	24.1	36.1



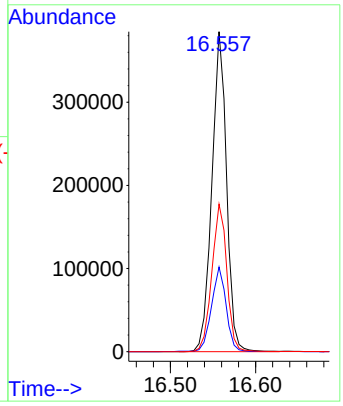


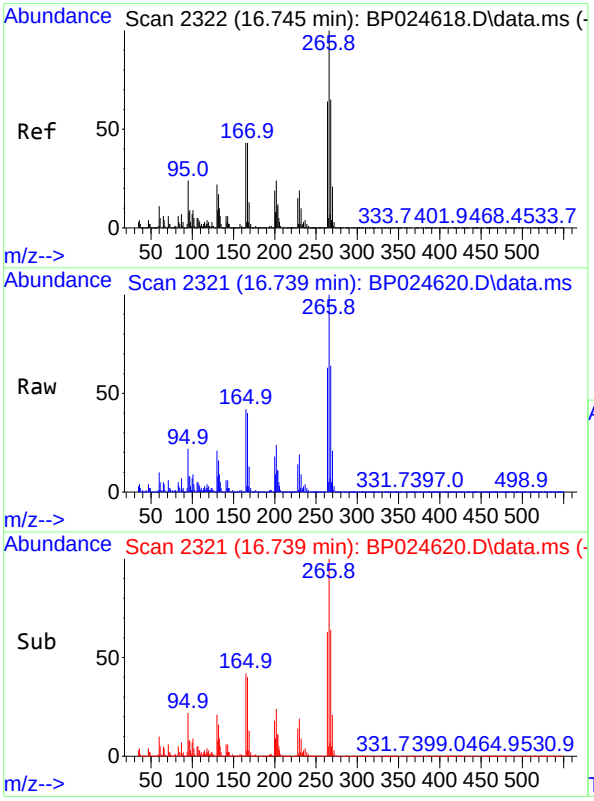
#69
Atrazine
Concen: 63.29 ng
RT: 16.557 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 460742

Ion	Ratio	Lower	Upper
200	100		
173	26.4	5.9	45.9
215	46.1	28.3	68.3

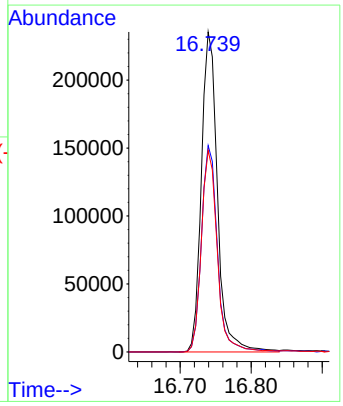


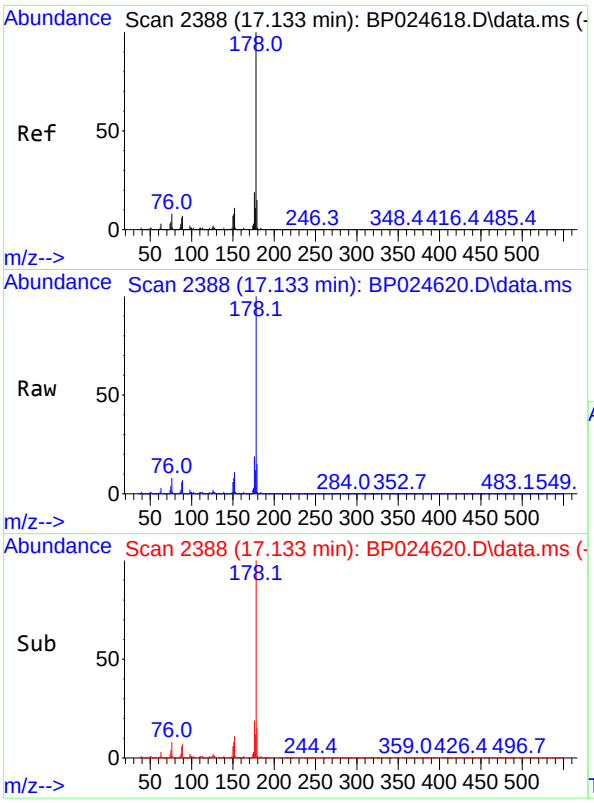


#70
Pentachlorophenol
Concen: 68.29 ng
RT: 16.739 min Scan# 2321
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:266 Resp: 371465

Ion	Ratio	Lower	Upper
266	100		
268	64.5	52.2	78.4
264	62.9	51.1	76.7



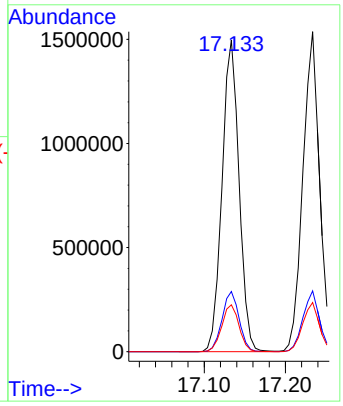


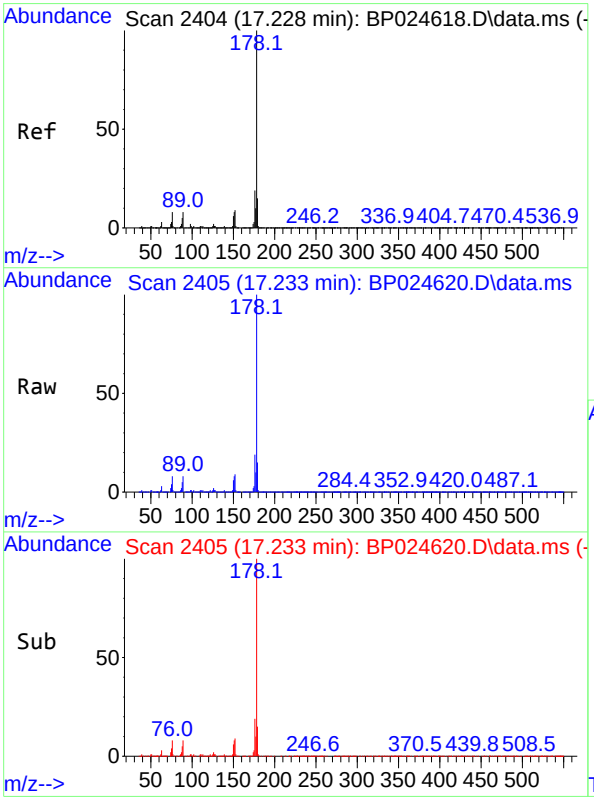
#71
Phenanthrene
Concen: 60.73 ng
RT: 17.133 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 2183329

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.1	12.2	18.4

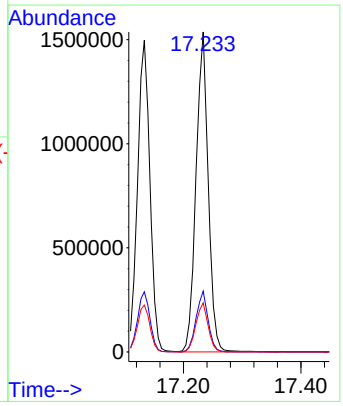


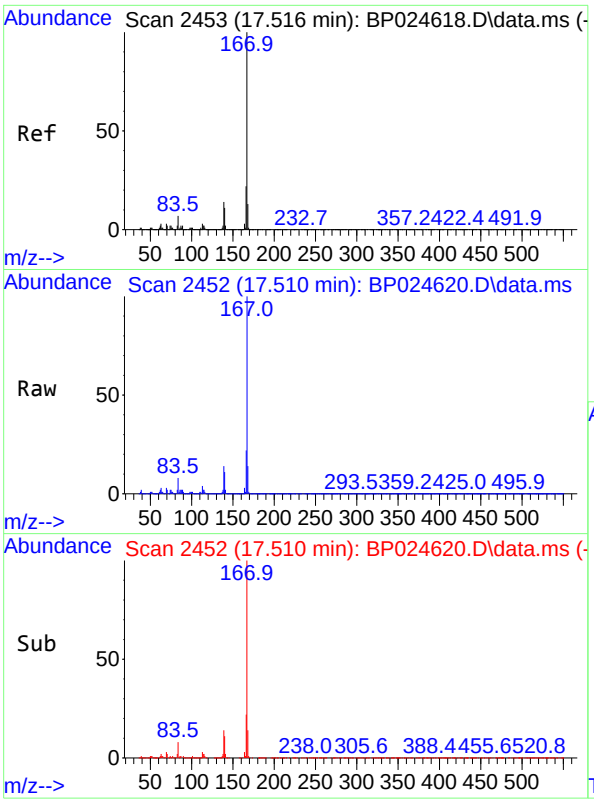


#72
Anthracene
Concen: 61.11 ng
RT: 17.233 min Scan# 2405
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:178 Resp: 2210412

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.4
179	15.3	12.2	18.2



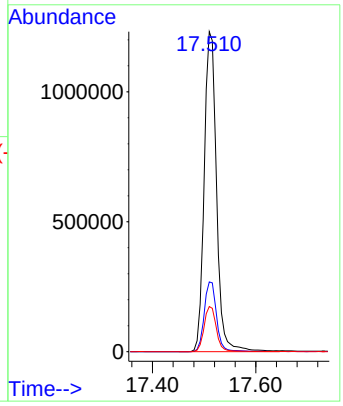


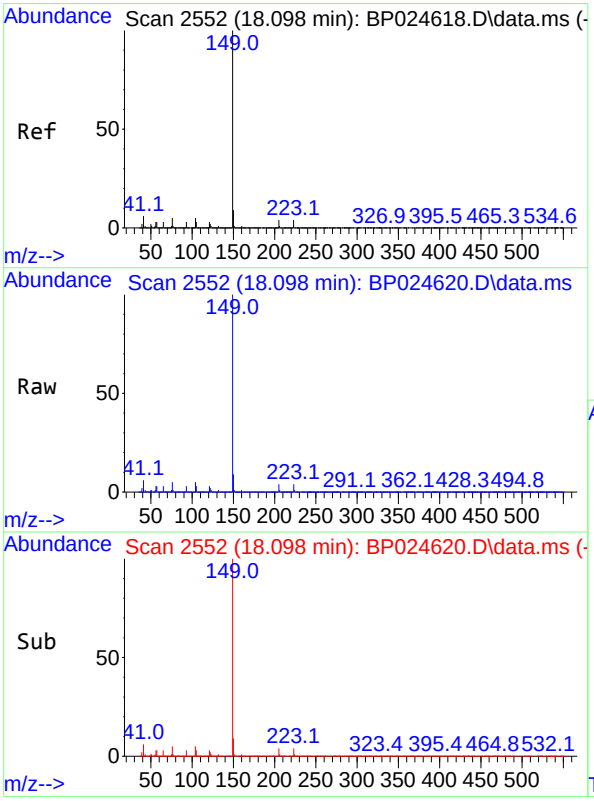
#73
Carbazole
Concen: 62.39 ng
RT: 17.510 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 2042777

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.7	26.5
139	14.1	11.3	16.9

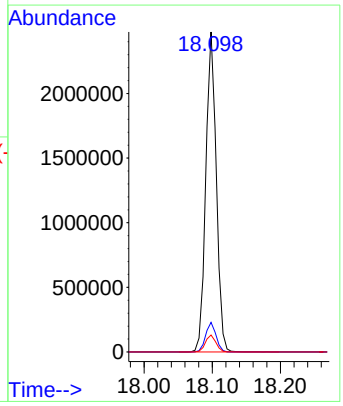


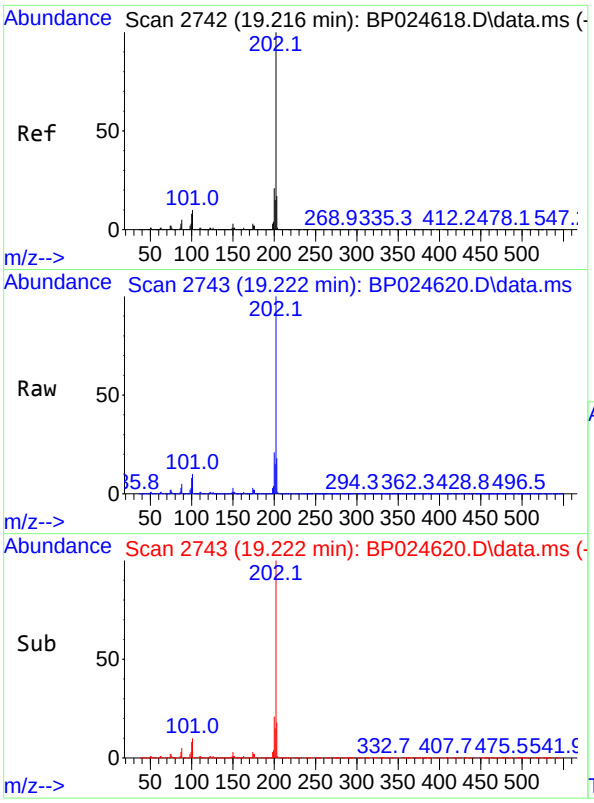


#74
Di-n-butylphthalate
Concen: 62.81 ng
RT: 18.098 min Scan# 2552
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:149 Resp: 2644959

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.2	10.8
104	5.3	4.3	6.5



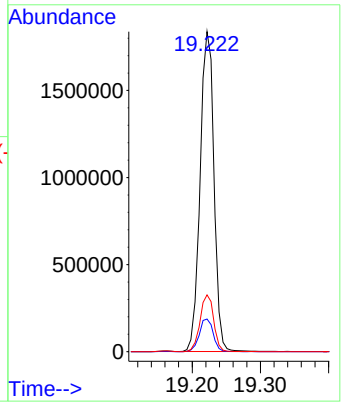


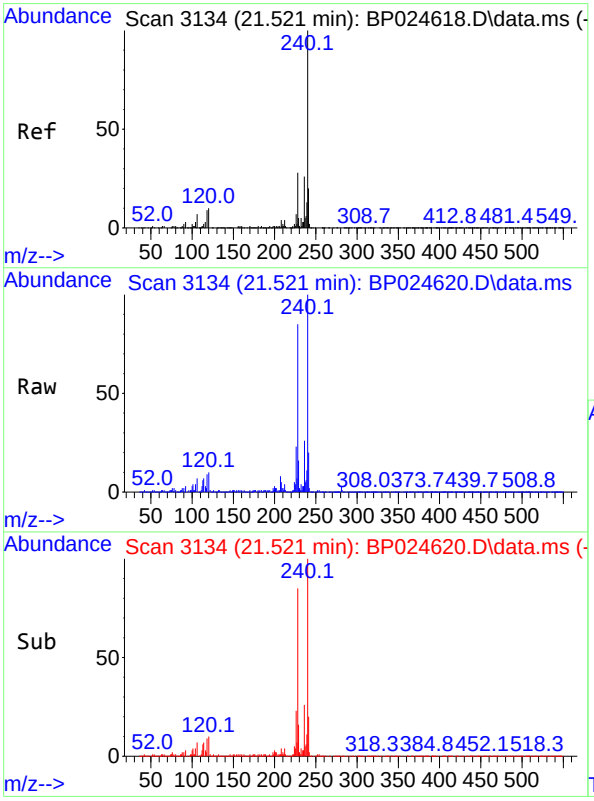
#75
Fluoranthene
Concen: 61.73 ng
RT: 19.222 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 2594532

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	30.3
203	17.8	0.0	37.5

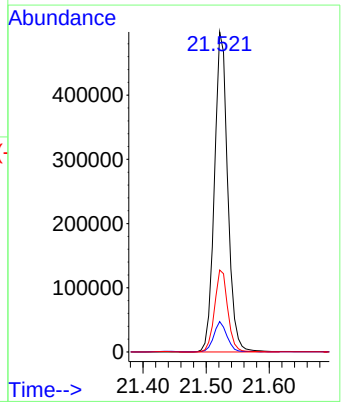


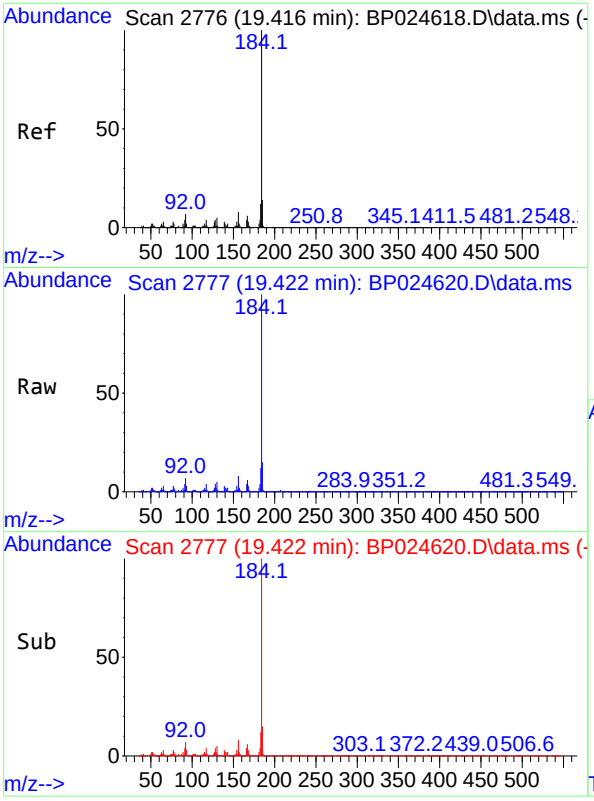


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.521 min Scan# 3134
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:240 Resp: 726281

Ion	Ratio	Lower	Upper
240	100		
120	9.5	7.8	11.6
236	25.6	20.6	31.0



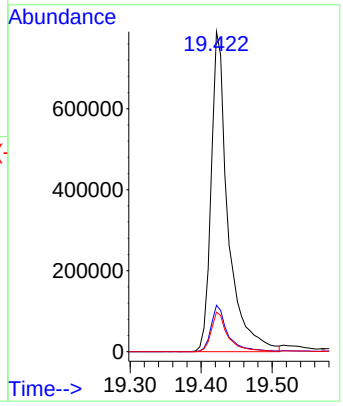


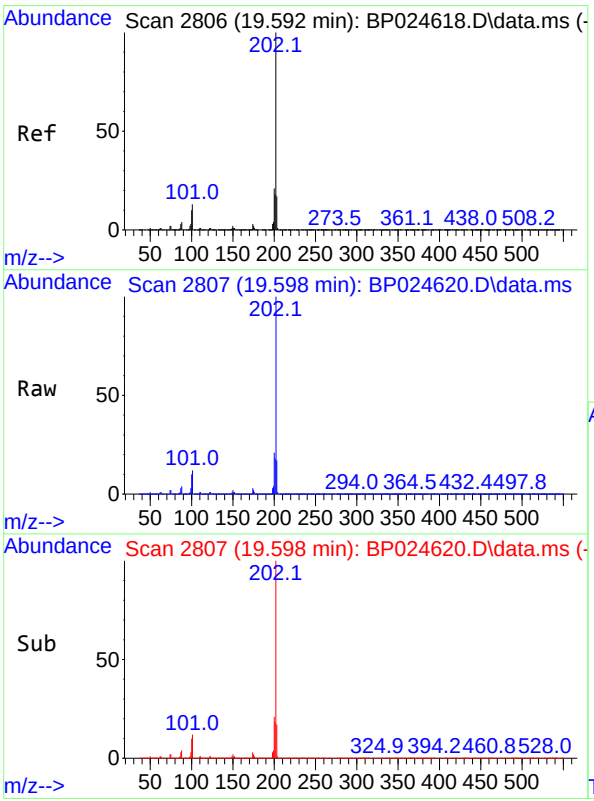
#77
Benzidine
Concen: 65.42 ng
RT: 19.422 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 1304259

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.2	16.8
183	12.4	9.8	14.8

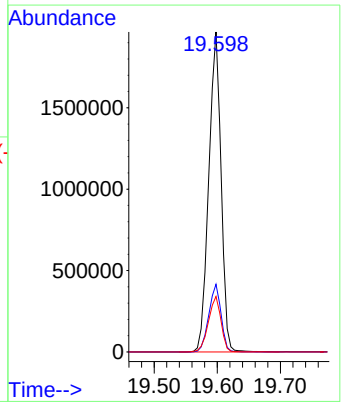


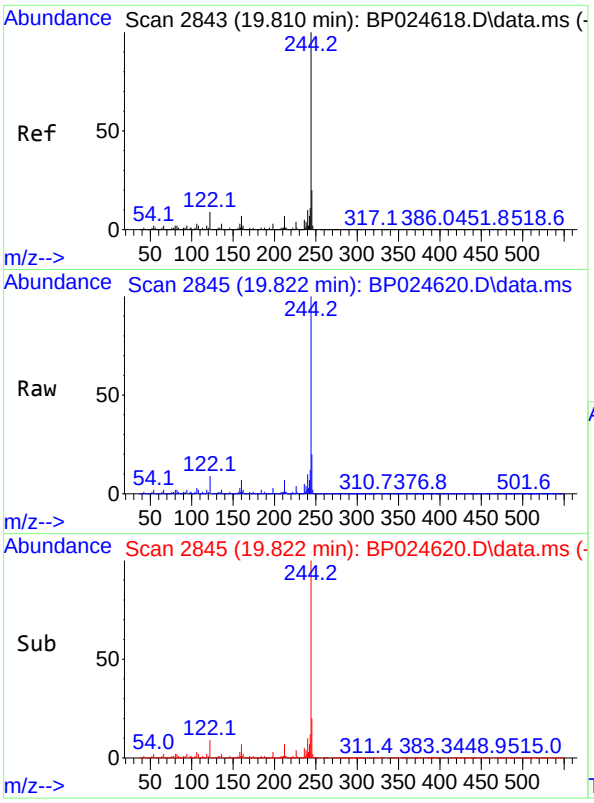


#78
Pyrene
Concen: 61.17 ng
RT: 19.598 min Scan# 2807
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:202 Resp: 2661811

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	17.4	13.9	20.9



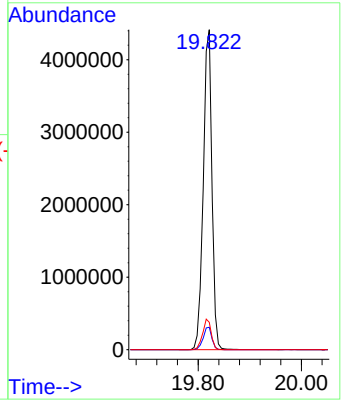


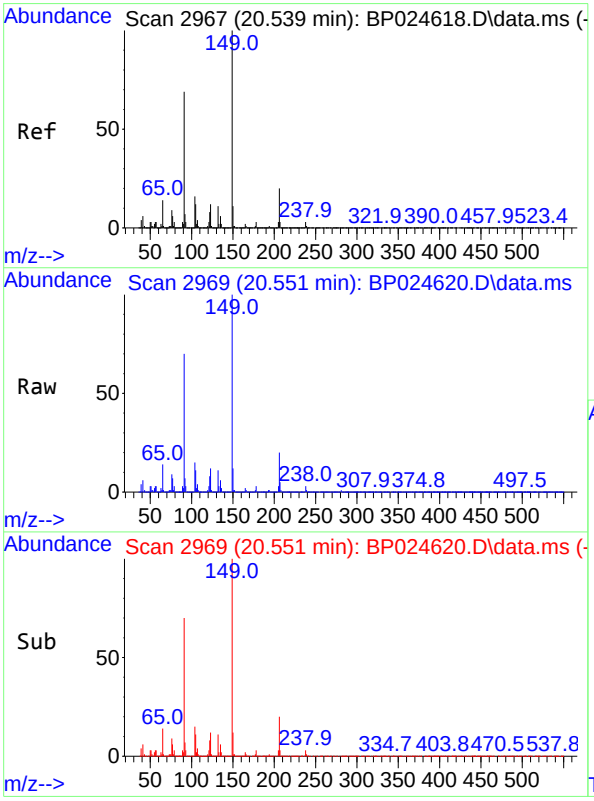
#79
Terphenyl-d14
Concen: 120.88 ng
RT: 19.822 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 5119872

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	8.6	7.4	11.0

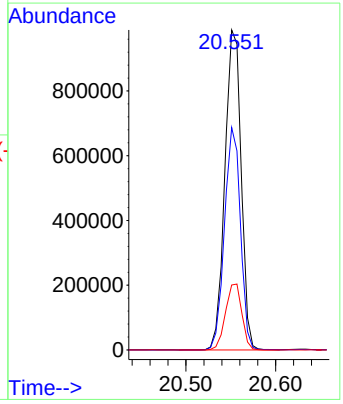


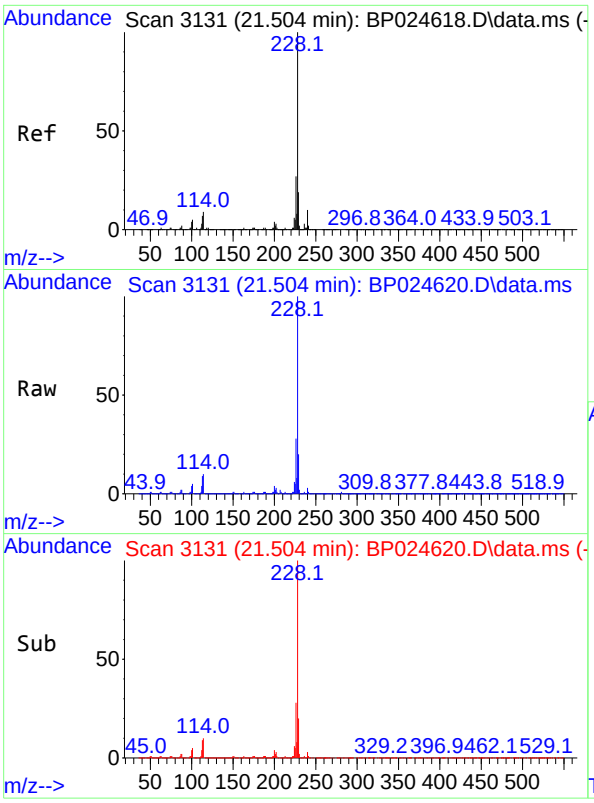


#80
Butylbenzylphthalate
Concen: 64.25 ng
RT: 20.551 min Scan# 2969
Delta R.T. 0.012 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:149 Resp: 1243403

Ion	Ratio	Lower	Upper
149	100		
91	69.5	55.4	83.0
206	20.3	16.2	24.2



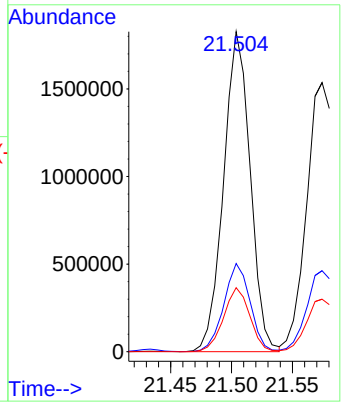


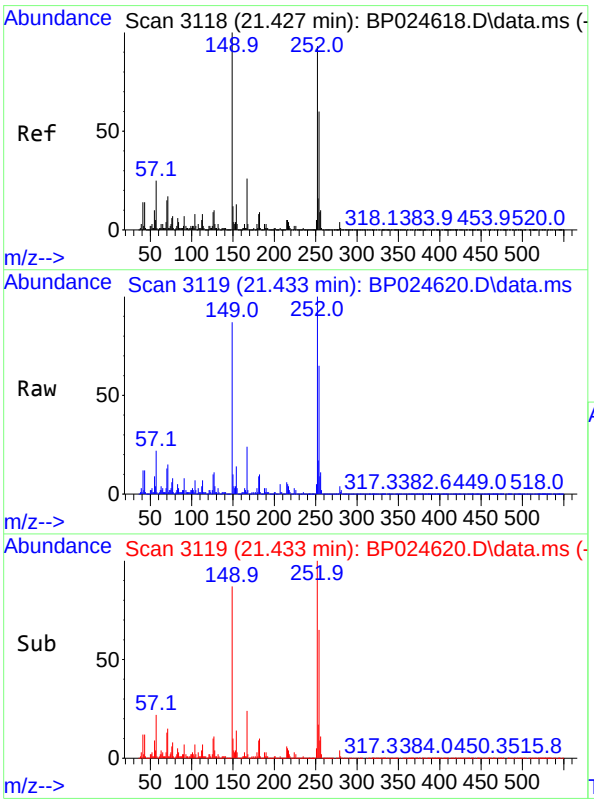
#81
Benzo(a)anthracene
Concen: 60.93 ng
RT: 21.504 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 2778689

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.4	32.0
229	20.0	15.5	23.3

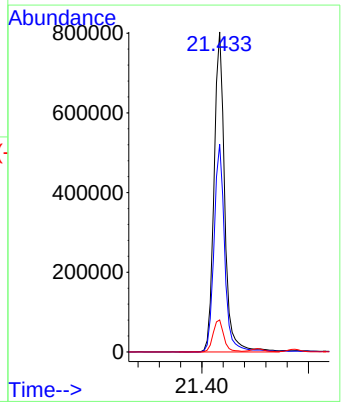


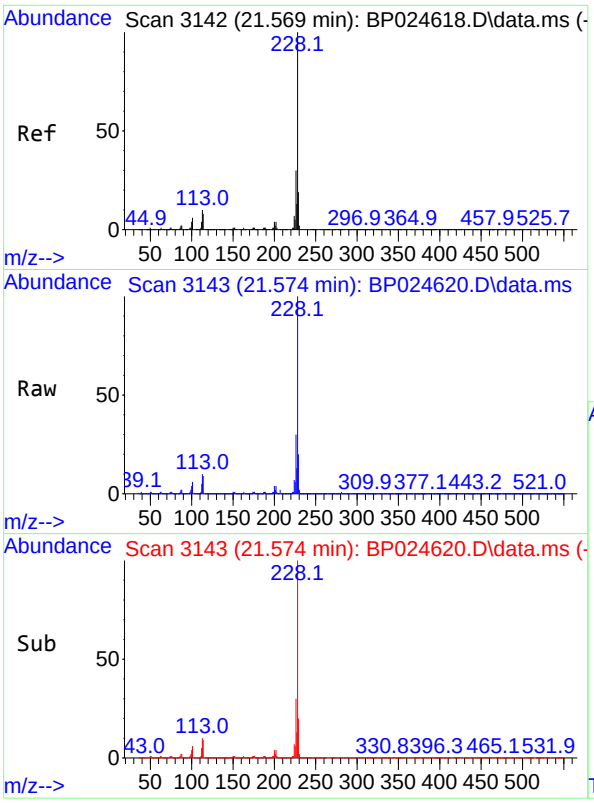


#82
3,3'-Dichlorobenzidine
Concen: 65.77 ng
RT: 21.433 min Scan# 3119
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:252 Resp: 1114122

Ion	Ratio	Lower	Upper
252	100		
254	64.9	51.8	77.6
126	10.0	7.7	11.5



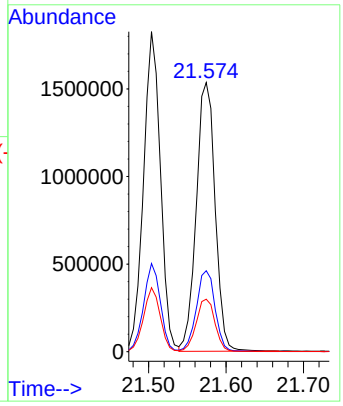


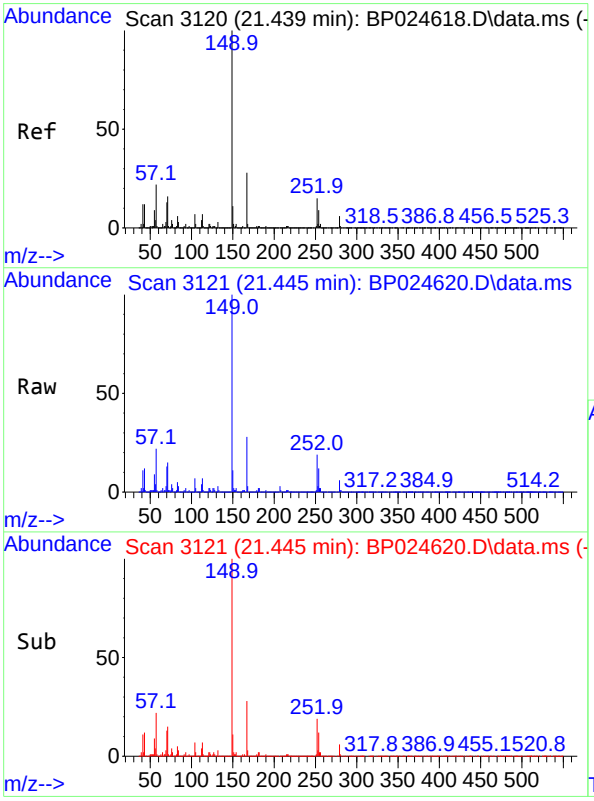
#83
Chrysene
Concen: 59.88 ng
RT: 21.574 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 2588513

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.9	35.9
229	19.5	15.5	23.3

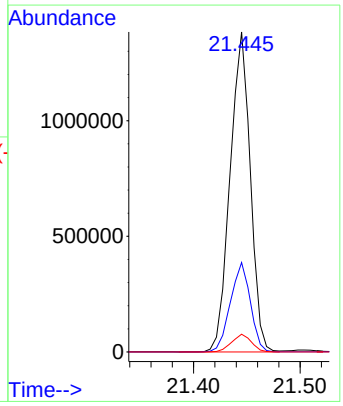


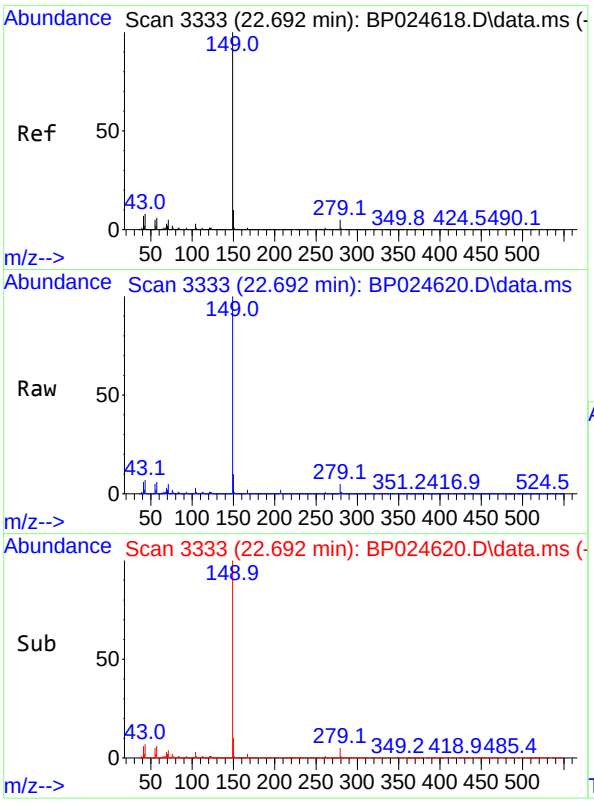


#84
Bis(2-ethylhexyl)phthalate
Concen: 64.05 ng
RT: 21.445 min Scan# 3121
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:149 Resp: 1822019

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.1	33.1
279	5.6	4.6	6.8



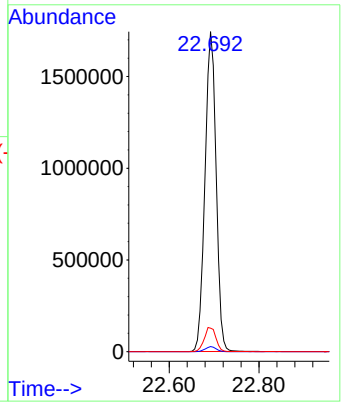


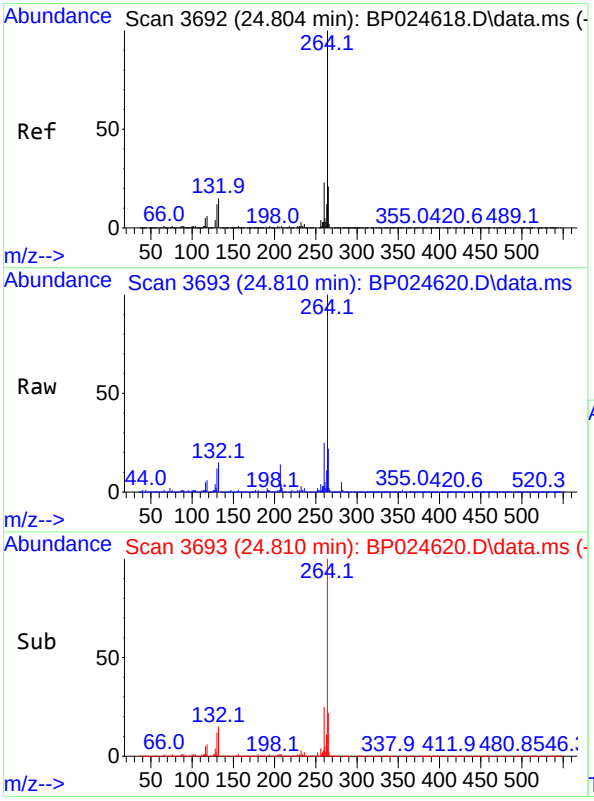
#85
Di-n-octyl phthalate
Concen: 64.47 ng
RT: 22.692 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 2998832

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	7.9	6.3	9.5

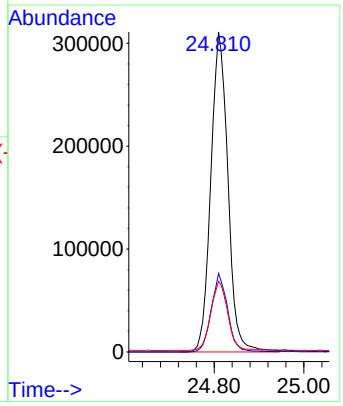


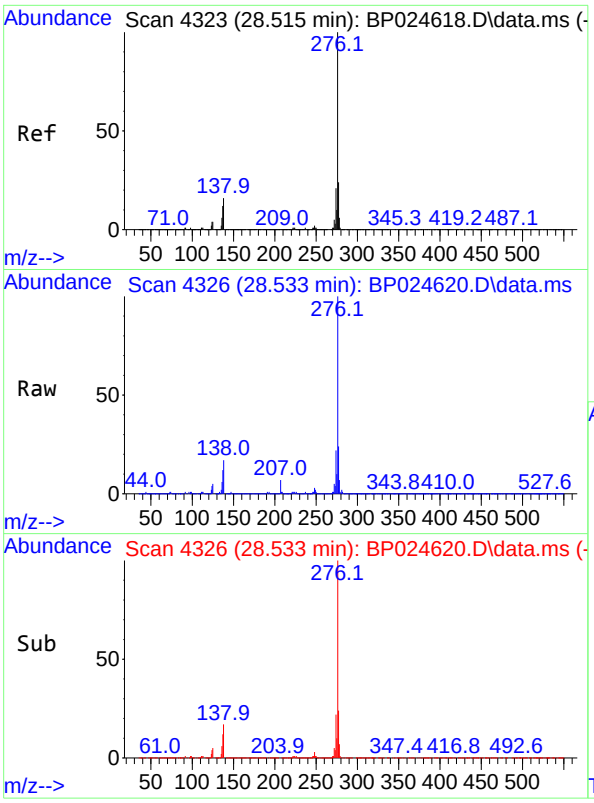


#86
Perylene-d12
Concen: 20.00 ng
RT: 24.810 min Scan# 3693
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:264 Resp: 822943

Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.7	28.1
265	22.1	17.0	25.6



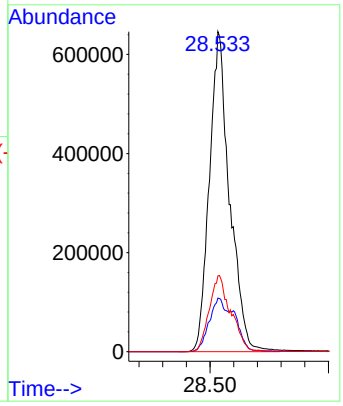


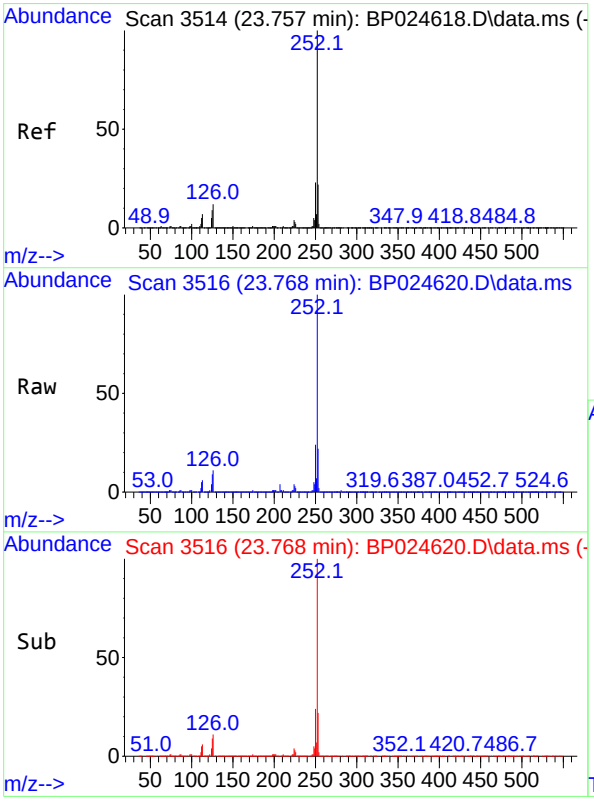
#87
Indeno(1,2,3-cd)pyrene
Concen: 63.64 ng
RT: 28.533 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 3824922

Ion	Ratio	Lower	Upper
276	100		
138	14.4	11.2	16.8
277	25.5	15.7	23.5#

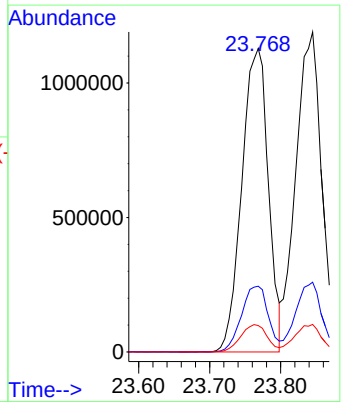


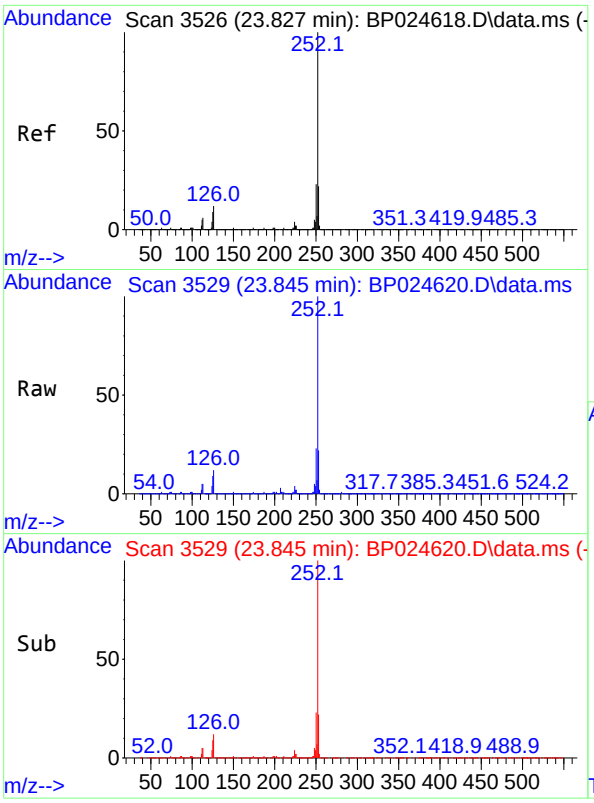


#88
Benzo(b)fluoranthene
Concen: 62.04 ng
RT: 23.768 min Scan# 3516
Delta R.T. 0.012 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:252 Resp: 2922103

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	8.7	7.5	11.3



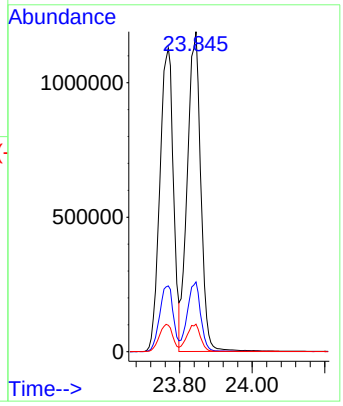


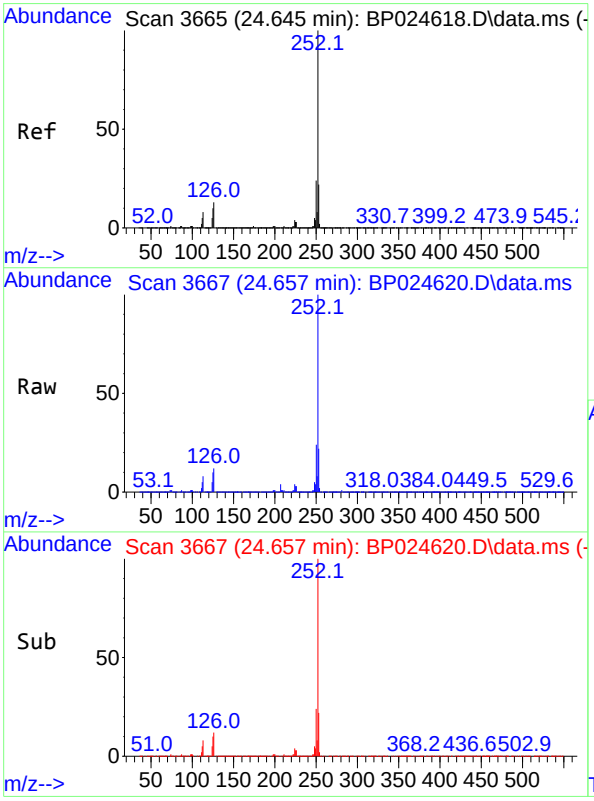
#89
Benzo(k)fluoranthene
Concen: 62.95 ng
RT: 23.845 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 3055252

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	8.6	7.0	10.4

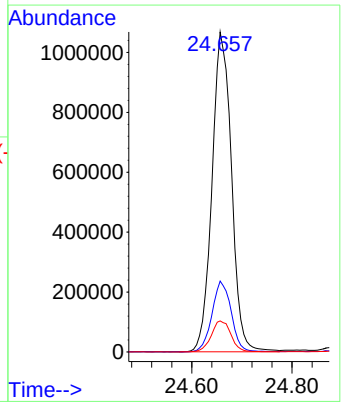


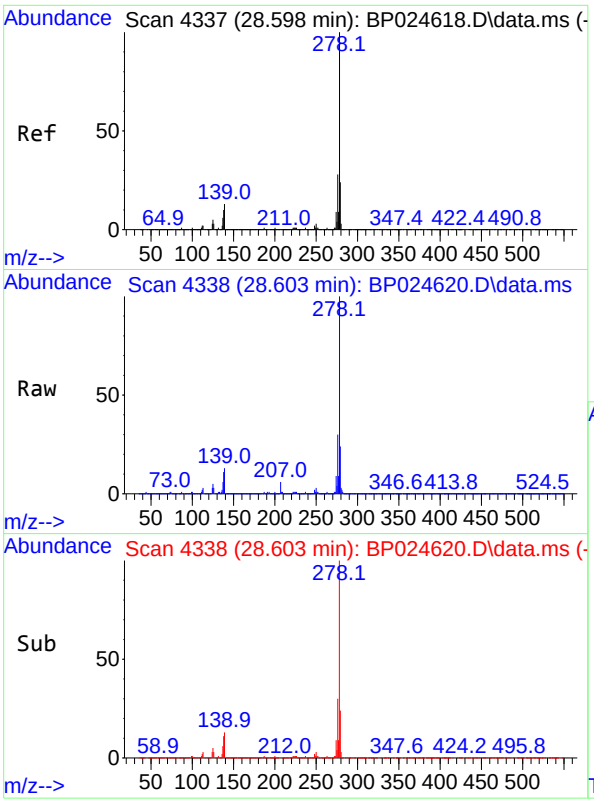


#90
Benzo(a)pyrene
Concen: 63.69 ng
RT: 24.657 min Scan# 3667
Delta R.T. 0.012 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:252 Resp: 2881508

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.7	8.1	12.1



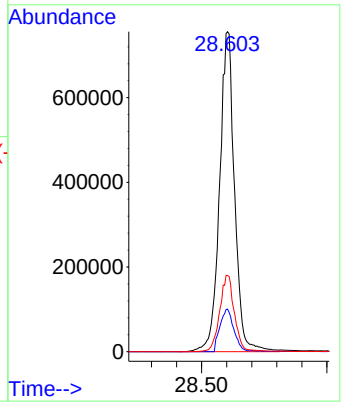


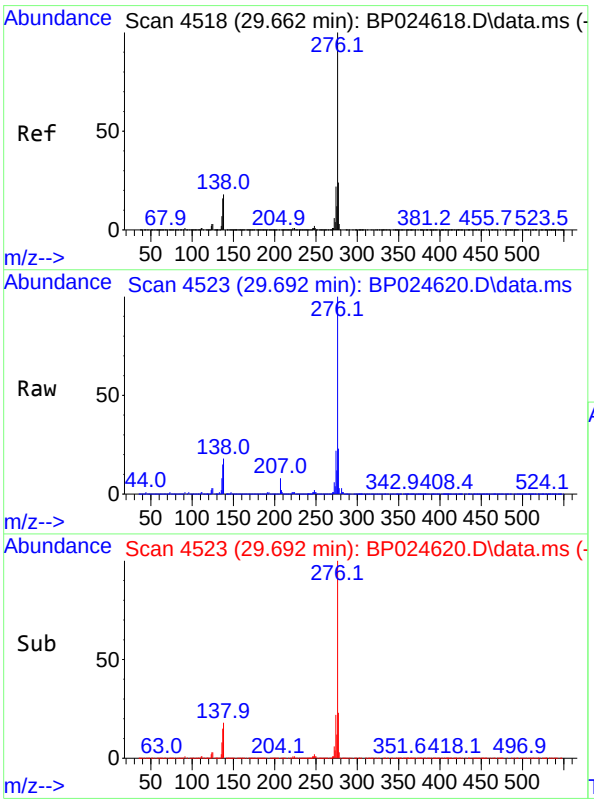
#91
Dibenzo(a,h)anthracene
Concen: 64.20 ng
RT: 28.603 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 3137905

Ion	Ratio	Lower	Upper
278	100		
139	13.3	10.2	15.4
279	23.8	19.0	28.4

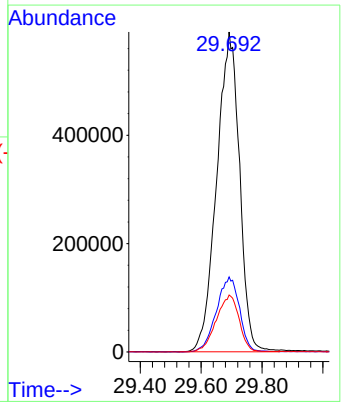




#92
Benzo(g,h,i)perylene
Concen: 63.07 ng
RT: 29.692 min Scan# 4523
Delta R.T. 0.029 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:276 Resp: 3065416

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.0	28.4
138	17.8	14.4	21.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024621.D
Acq On : 13 May 2025 15:26
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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

Quant Time: May 13 16:10:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.663	152	134481	20.00	ng		0.00
21) Naphthalene-d8	10.434	136	584325	20.00	ng		0.00
39) Acenaphthene-d10	14.298	164	373575	20.00	ng		0.00
64) Phenanthrene-d10	17.104	188	713479	20.00	ng		0.00
76) Chrysene-d12	21.516	240	765954	20.00	ng		0.00
86) Perylene-d12	24.804	264	877352	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.287	112	1283582	163.25	ng		0.00
7) Phenol-d6	6.858	99	1670035	166.42	ng		0.00
23) Nitrobenzene-d5	8.822	82	1840183	159.12	ng		0.01
42) 2,4,6-Tribromophenol	15.828	330	1032638	163.05	ng		0.02
45) 2-Fluorobiphenyl	12.910	172	4438179	155.65	ng		0.00
79) Terphenyl-d14	19.816	244	7152255	160.11	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.228	88	275790	74.70	ng		99
3) Pyridine	3.622	79	679364	82.98	ng		98
4) n-Nitrosodimethylamine	3.534	42	289012	79.96	ng		100
6) Aniline	7.005	93	1075238	82.99	ng		100
8) 2-Chlorophenol	7.240	128	740005	82.91	ng		99
9) Benzaldehyde	6.822	77	412028	63.54	ng		100
10) Phenol	6.887	94	859122	82.95	ng		100
11) bis(2-Chloroethyl)ether	7.099	93	670572	78.79	ng		100
12) 1,3-Dichlorobenzene	7.552	146	795953	77.51	ng		100
13) 1,4-Dichlorobenzene	7.699	146	802182	77.67	ng		98
14) 1,2-Dichlorobenzene	8.010	146	779316	77.43	ng		99
15) Benzyl Alcohol	7.910	79	664684	87.16	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.187	45	782240	76.75	ng		98
17) 2-Methylphenol	8.110	107	620901	83.58	ng		99
18) Hexachloroethane	8.728	117	306812	77.52	ng		97
19) n-Nitroso-di-n-propyla...	8.469	70	551845	79.50	ng		98
20) 3+4-Methylphenols	8.440	107	852078	84.32	ng		99
22) Acetophenone	8.481	105	1147610	78.62	ng	#	99
24) Nitrobenzene	8.857	77	804153	79.02	ng		98
25) Isophorone	9.381	82	1593235	79.42	ng		100
26) 2-Nitrophenol	9.557	139	442185	88.67	ng		98
27) 2,4-Dimethylphenol	9.628	122	722439	82.17	ng		100
28) bis(2-Chloroethoxy)met...	9.857	93	946615	78.98	ng		99
29) 2,4-Dichlorophenol	10.099	162	721701	84.70	ng		97
30) 1,2,4-Trichlorobenzene	10.299	180	755529	78.69	ng		98
31) Naphthalene	10.487	128	2354789	77.77	ng		100
32) Benzoic acid	9.828	122	525308	80.15	ng		99
33) 4-Chloroaniline	10.599	127	1033865	84.61	ng		99
34) Hexachlorobutadiene	10.769	225	481140	77.35	ng		97
35) Caprolactam	11.416	113	257252	83.50	ng		96
36) 4-Chloro-3-methylphenol	11.734	107	838983	80.74	ng		99
37) 2-Methylnaphthalene	12.093	142	1529445	78.01	ng		100
38) 1-Methylnaphthalene	12.322	142	1613775	76.92	ng		99
40) 1,2,4,5-Tetrachloroben...	12.469	216	875750	80.73	ng		100
41) Hexachlorocyclopentadiene	12.446	237	628436	95.54	ng		97
43) 2,4,6-Trichlorophenol	12.716	196	601332	85.58	ng		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024621.D
Acq On : 13 May 2025 15:26
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

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

Quant Time: May 13 16:10:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.798	196	657399	84.05	ng	97
46) 1,1'-Biphenyl	13.122	154	2175624	78.79	ng	100
47) 2-Chloronaphthalene	13.163	162	1662979	78.99	ng	99
48) 2-Nitroaniline	13.375	65	512458	82.22	ng	97
49) Acenaphthylene	14.016	152	2773742	78.73	ng	99
50) Dimethylphthalate	13.763	163	2182359	76.64	ng	100
51) 2,6-Dinitrotoluene	13.887	165	476606	79.26	ng	97
52) Acenaphthene	14.363	154	1572103	77.62	ng	99
53) 3-Nitroaniline	14.222	138	522849	85.15	ng	100
54) 2,4-Dinitrophenol	14.428	184	300458	79.29	ng	98
55) Dibenzofuran	14.704	168	2477374	76.68	ng	99
56) 4-Nitrophenol	14.557	139	409954	77.27	ng	98
57) 2,4-Dinitrotoluene	14.681	165	678287	80.01	ng	97
58) Fluorene	15.363	166	2003709	76.06	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.945	232	588947	81.17	ng	98
60) Diethylphthalate	15.145	149	2193488	76.22	ng	99
61) 4-Chlorophenyl-phenyle...	15.363	204	997863	75.96	ng	99
62) 4-Nitroaniline	15.404	138	509582	85.24	ng	99
63) Azobenzene	15.663	77	1858146	75.47	ng	99
65) 4,6-Dinitro-2-methylph...	15.469	198	401011	87.01	ng	98
66) n-Nitrosodiphenylamine	15.587	169	1711679	78.10	ng	99
67) 4-Bromophenyl-phenylether	16.281	248	684619	81.43	ng	98
68) Hexachlorobenzene	16.398	284	856547	80.18	ng	99
69) Atrazine	16.575	200	645877	80.42	ng	99
70) Pentachlorophenol	16.751	266	548492	91.41	ng	99
71) Phenanthrene	17.145	178	3091665	77.95	ng	99
72) Anthracene	17.239	178	3161669	79.23	ng	99
73) Carbazole	17.522	167	2892236	80.08	ng	99
74) Di-n-butylphthalate	18.110	149	3747927	80.68	ng	99
75) Fluoranthene	19.228	202	3629085	78.27	ng	99
77) Benzidine	19.422	184	1678507	79.83	ng	100
78) Pyrene	19.604	202	3747276	81.65	ng	99
80) Butylbenzylphthalate	20.545	149	1741954	85.34	ng	98
81) Benzo(a)anthracene	21.498	228	3829787	79.63	ng	99
82) 3,3'-Dichlorobenzidine	21.422	252	1575691	88.21	ng	100
83) Chrysene	21.569	228	3615014	79.29	ng	99
84) Bis(2-ethylhexyl)phtha...	21.439	149	2577445	85.91	ng	99
85) Di-n-octyl phthalate	22.686	149	4341653	88.50	ng	99
87) Indeno(1,2,3-cd)pyrene	28.515	276	5243999m	81.85	ng	
88) Benzo(b)fluoranthene	23.768	252	4173798	83.11	ng	99
89) Benzo(k)fluoranthene	23.833	252	4160268	80.40	ng	100
90) Benzo(a)pyrene	24.645	252	3988360	82.69	ng	99
91) Dibenzo(a,h)anthracene	28.598	278	4338518	83.26	ng	99
92) Benzo(g,h,i)perylene	29.680	276	4253459	82.08	ng	99

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

ICAL Form

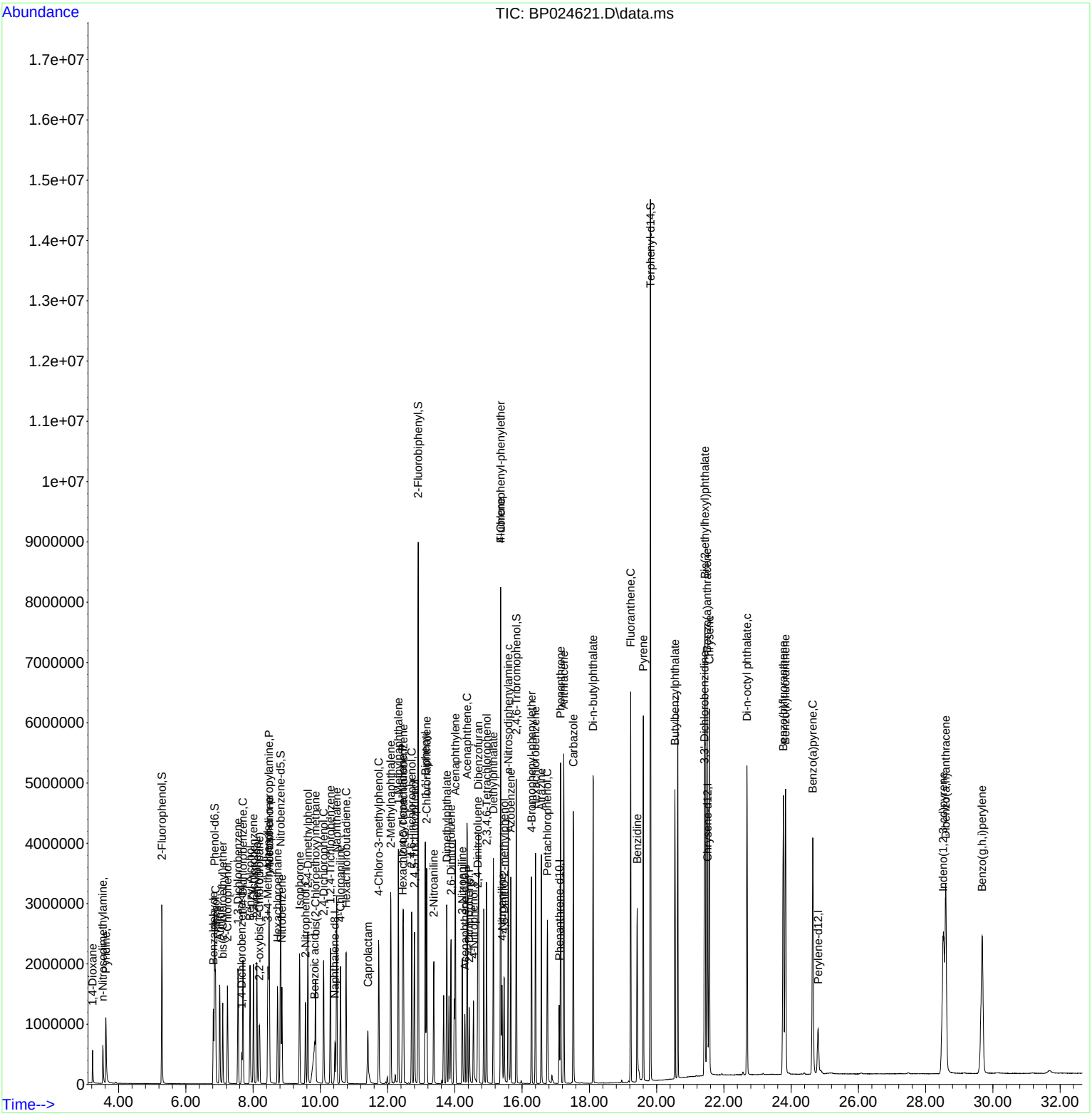
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Data File : BP024621.D
Acq On : 13 May 2025 15:26
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

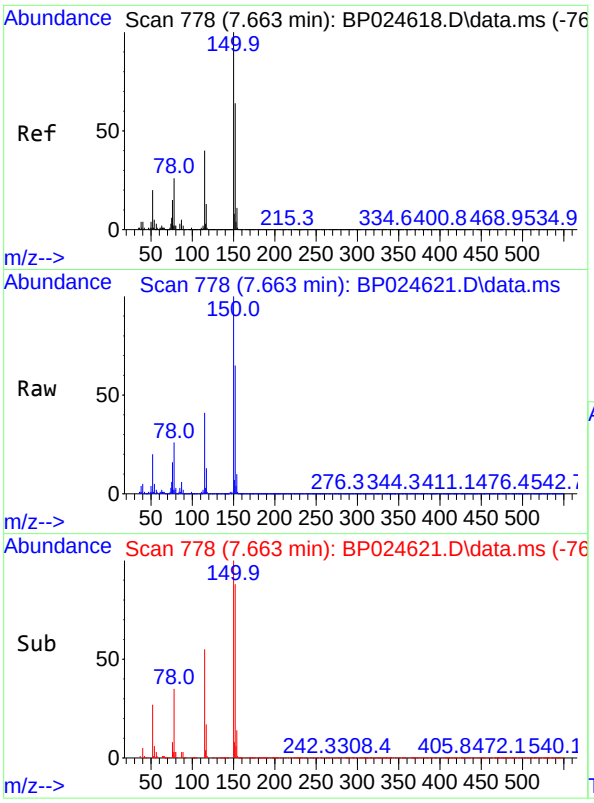
Quant Time: May 13 16:10:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

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

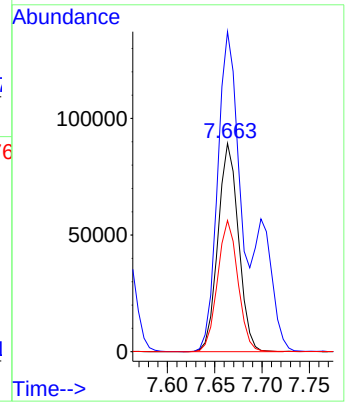




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:152 Resp: 13448

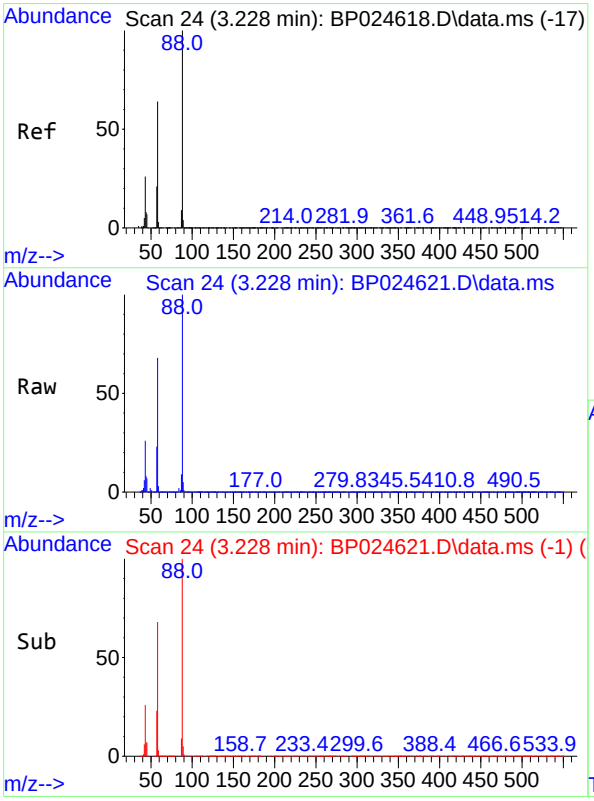
Ion	Ratio	Lower	Upper
152	100		
150	153.6	125.9	188.9
115	63.0	50.1	75.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

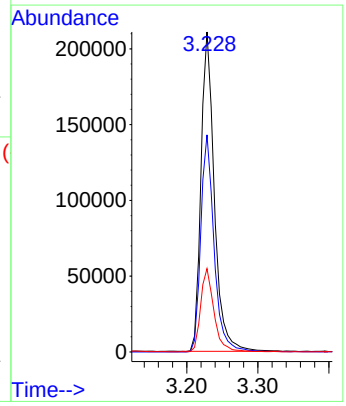
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

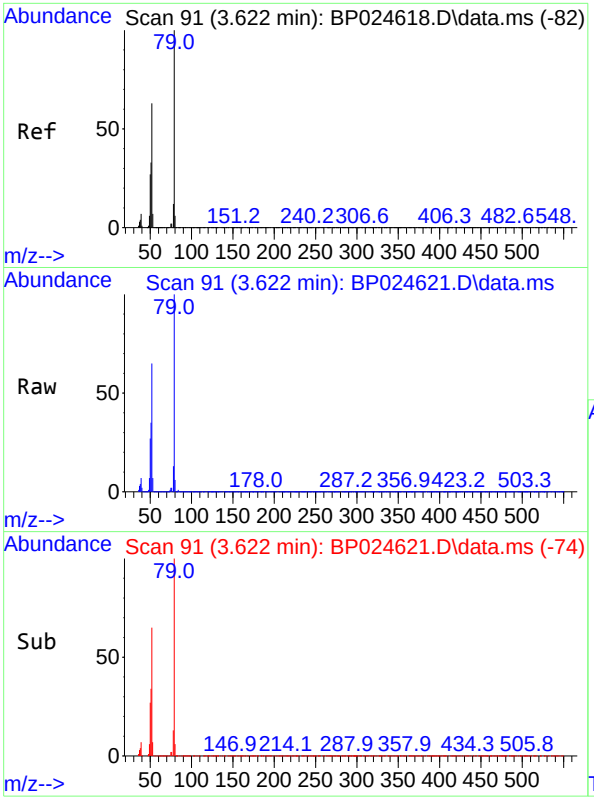


#2
1,4-Dioxane
Concen: 74.70 ng
RT: 3.228 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 88 Resp: 275790

Ion	Ratio	Lower	Upper
88	100		
58	68.0	54.0	81.0
43	26.1	21.4	32.0

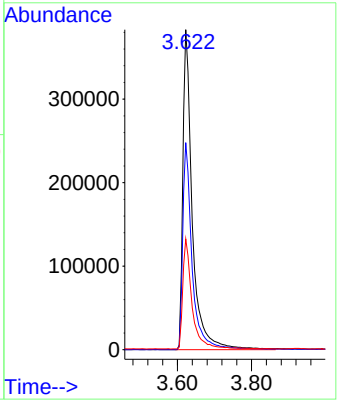




#3
Pyridine
Concen: 82.98 ng
RT: 3.622 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 79 Resp: 679364

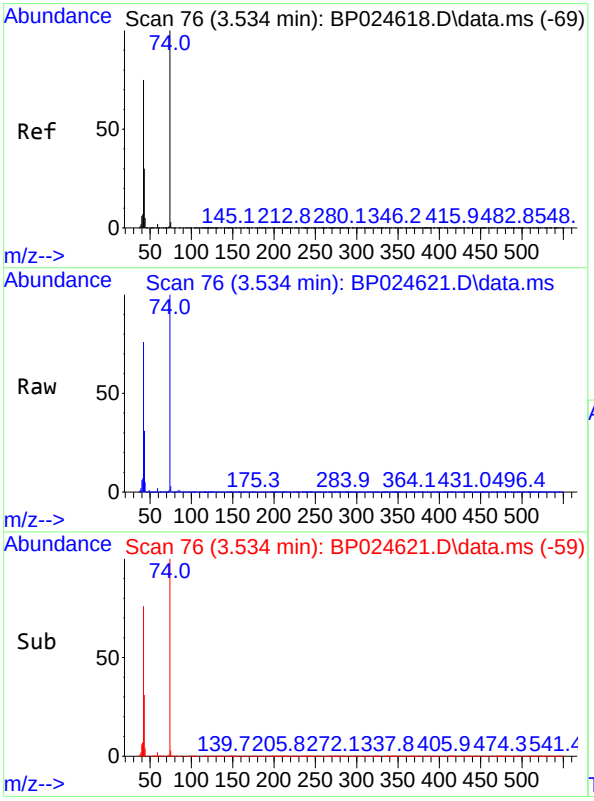
Ion	Ratio	Lower	Upper
79	100		
52	64.7	50.2	75.2
51	34.6	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

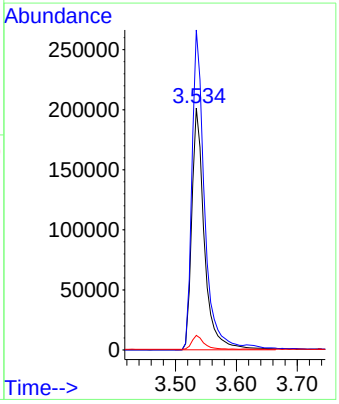
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

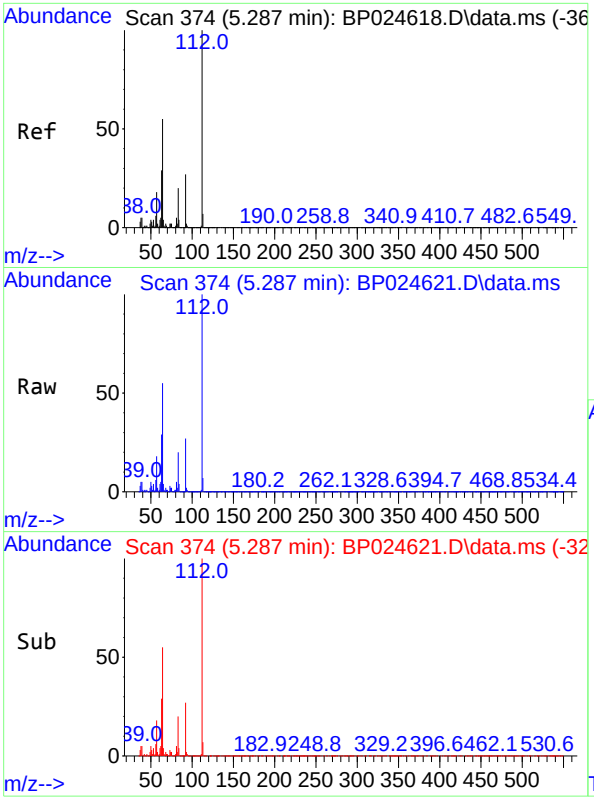


#4
n-Nitrosodimethylamine
Concen: 79.96 ng
RT: 3.534 min Scan# 76
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 42 Resp: 289012

Ion	Ratio	Lower	Upper
42	100		
74	132.2	106.2	159.2
44	6.0	5.4	8.2

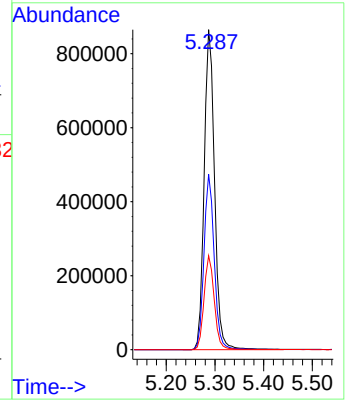




#5
2-Fluorophenol
Concen: 163.25 ng
RT: 5.287 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:112 Resp: 128358

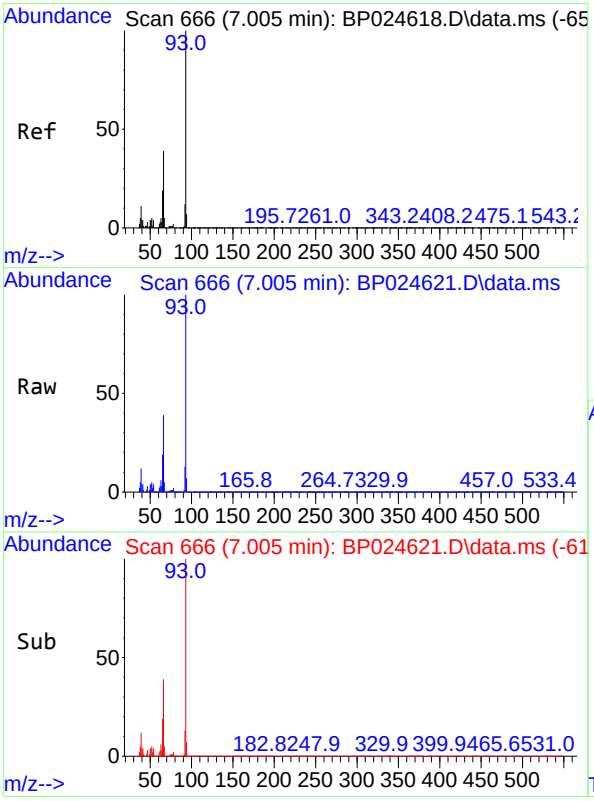
Ion	Ratio	Lower	Upper
112	100		
64	54.8	44.1	66.1
63	29.4	23.5	35.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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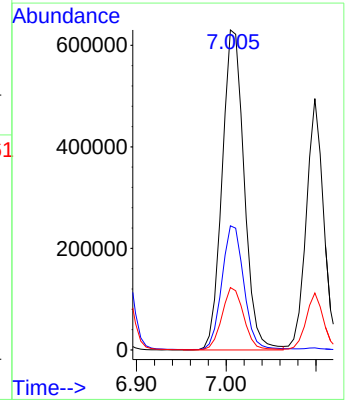
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

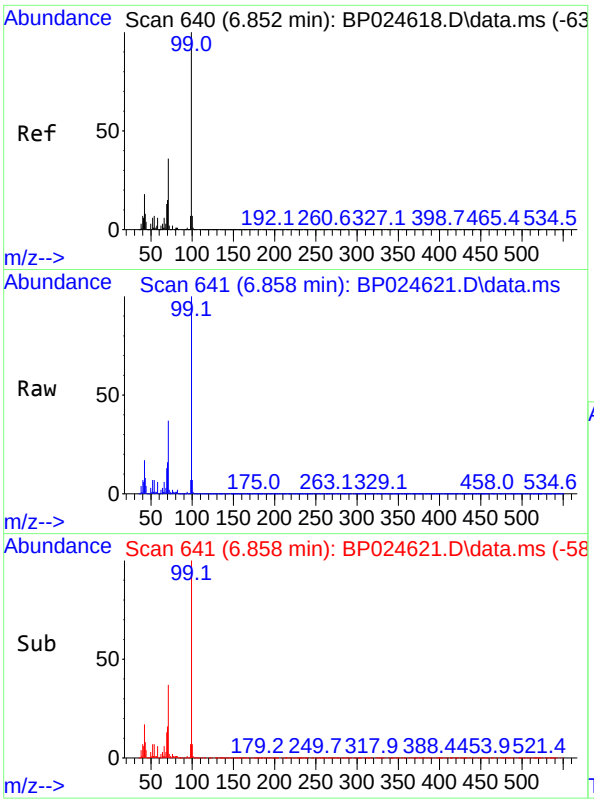


#6
Aniline
Concen: 82.99 ng
RT: 7.005 min Scan# 666
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 93 Resp: 1075238

Ion	Ratio	Lower	Upper
93	100		
66	38.8	31.0	46.6
65	19.5	15.5	23.3

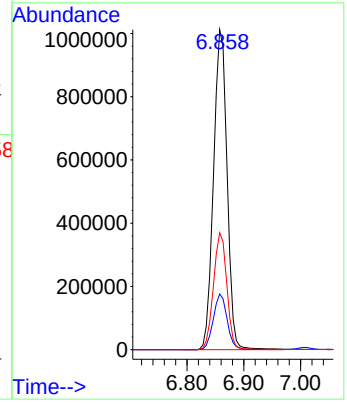




#7
Phenol-d6
Concen: 166.42 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 99 Resp: 167003

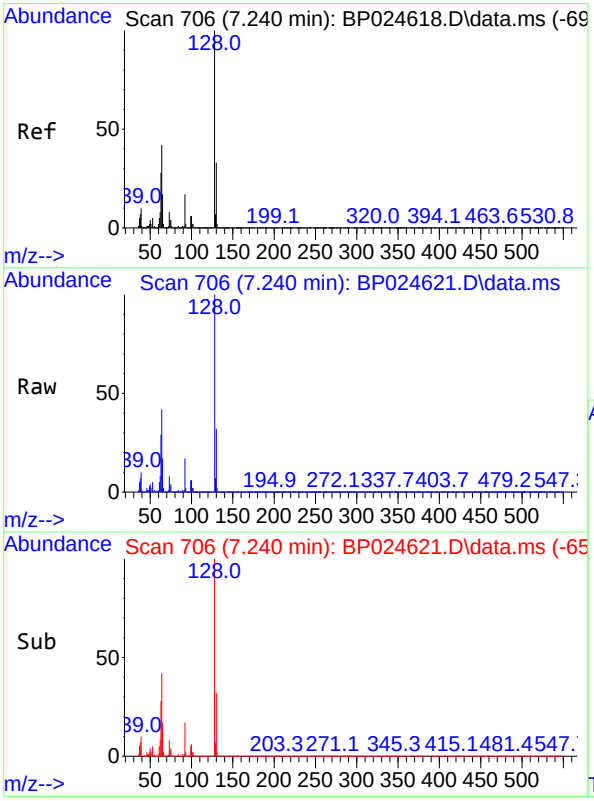
Ion	Ratio	Lower	Upper
99	100		
42	17.4	14.4	21.6
71	36.6	29.2	43.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

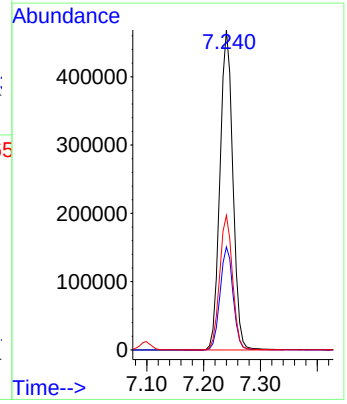
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

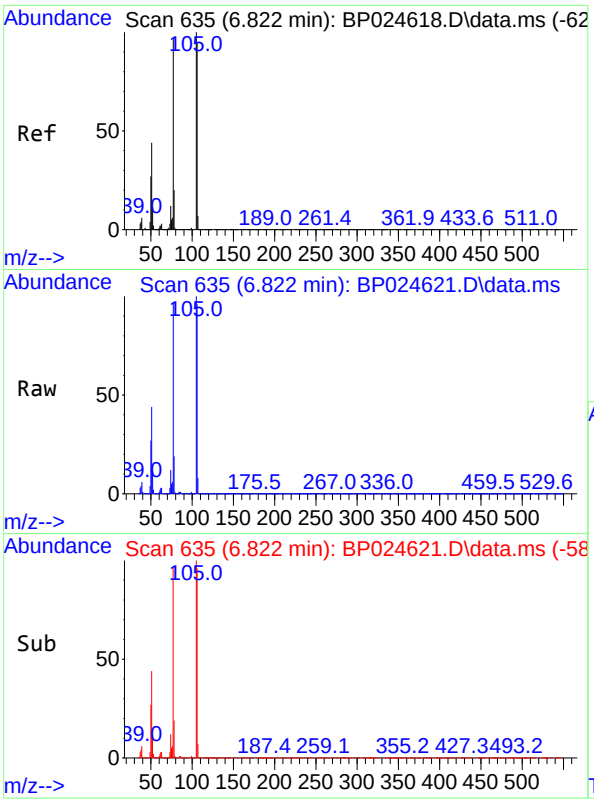


#8
2-Chlorophenol
Concen: 82.91 ng
RT: 7.240 min Scan# 706
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:128 Resp: 740005

Ion	Ratio	Lower	Upper
128	100		
130	32.2	13.0	53.0
64	42.1	22.3	62.3

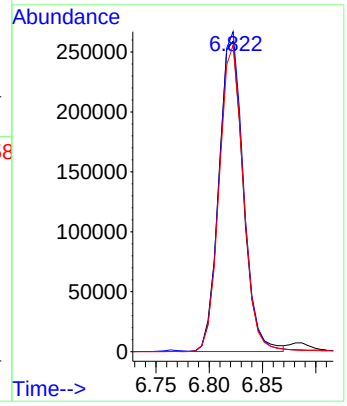




#9
Benzaldehyde
Concen: 63.54 ng
RT: 6.822 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 77 Resp: 41202

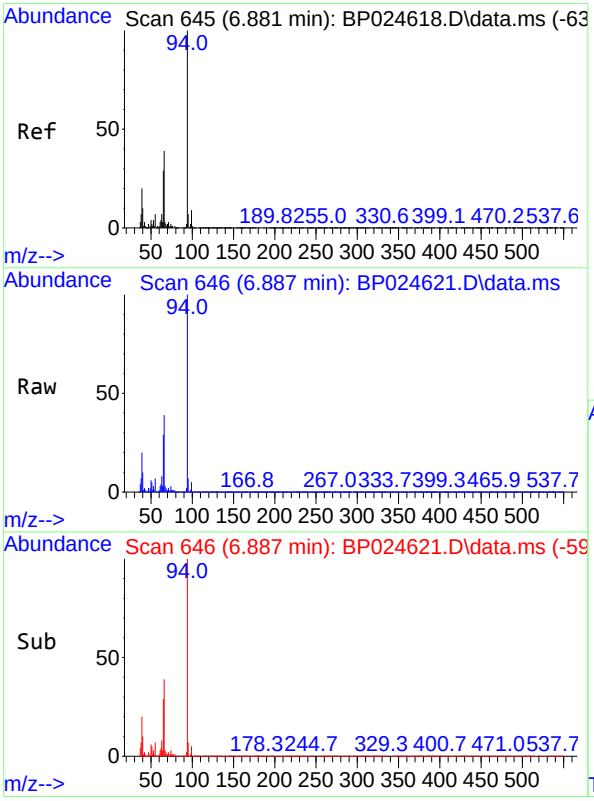
Ion	Ratio	Lower	Upper
77	100		
105	103.1	83.3	123.3
106	98.7	78.0	118.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

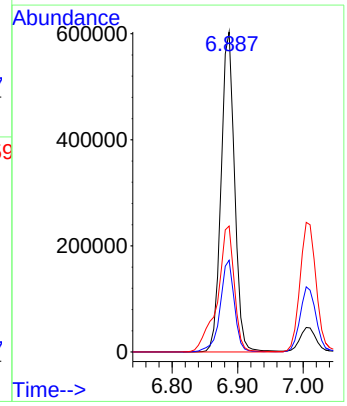
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

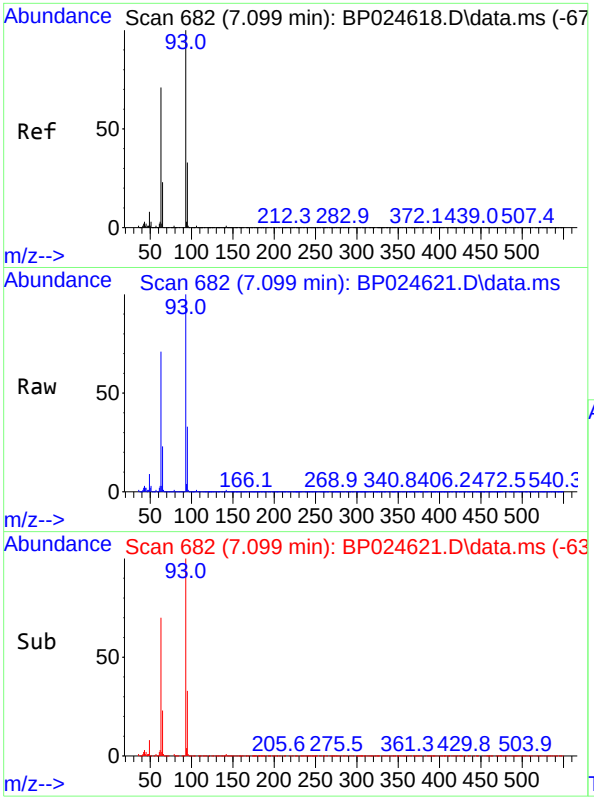


#10
Phenol
Concen: 82.95 ng
RT: 6.887 min Scan# 646
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 94 Resp: 859122

Ion	Ratio	Lower	Upper
94	100		
65	28.6	8.7	48.7
66	39.3	19.4	59.4

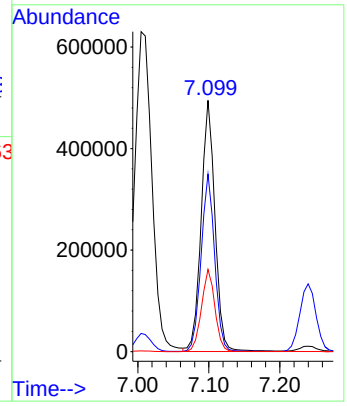




#11
bis(2-Chloroethyl)ether
Concen: 78.79 ng
RT: 7.099 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 93 Resp: 67057

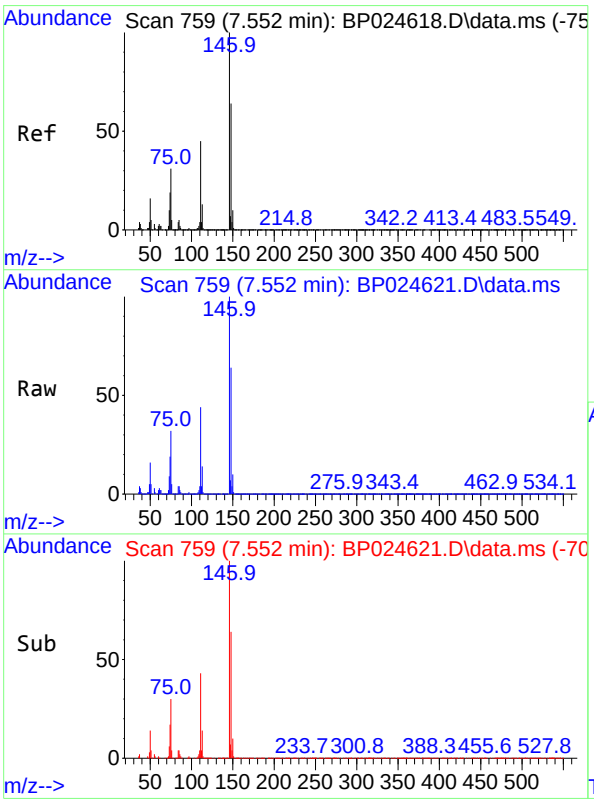
Ion	Ratio	Lower	Upper
93	100		
63	70.6	50.6	90.6
95	32.7	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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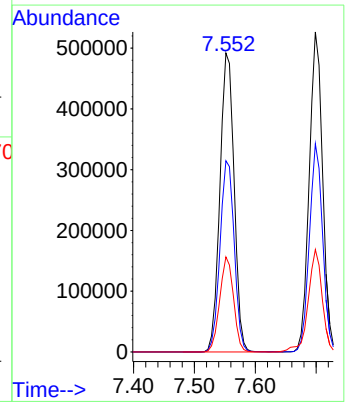
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

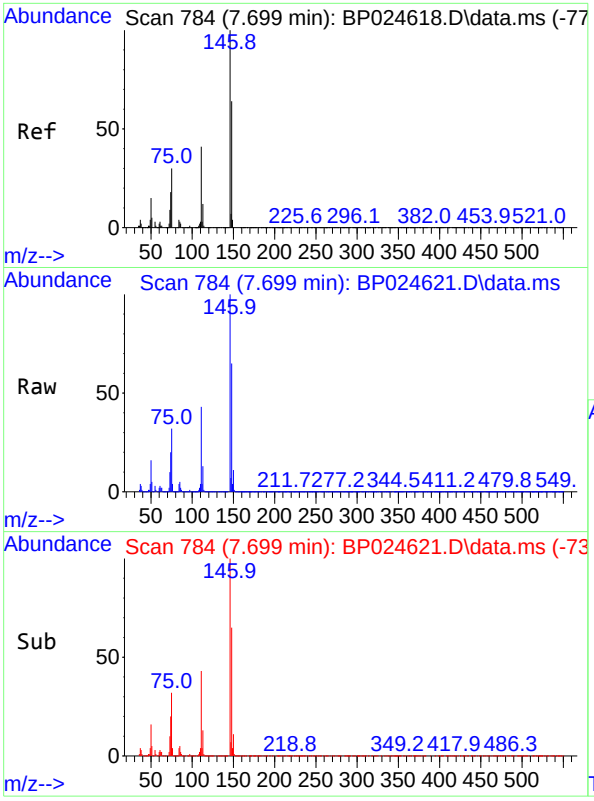


#12
1,3-Dichlorobenzene
Concen: 77.51 ng
RT: 7.552 min Scan# 759
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:146 Resp: 795953

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.4	77.2
75	31.8	25.2	37.8

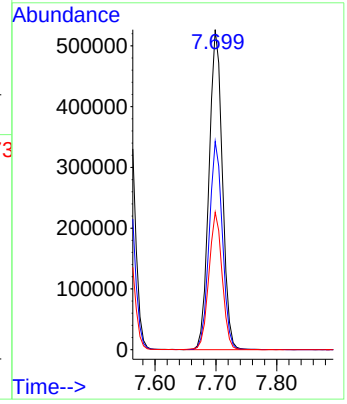




#13
1,4-Dichlorobenzene
Concen: 77.67 ng
RT: 7.699 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:146 Resp: 80218

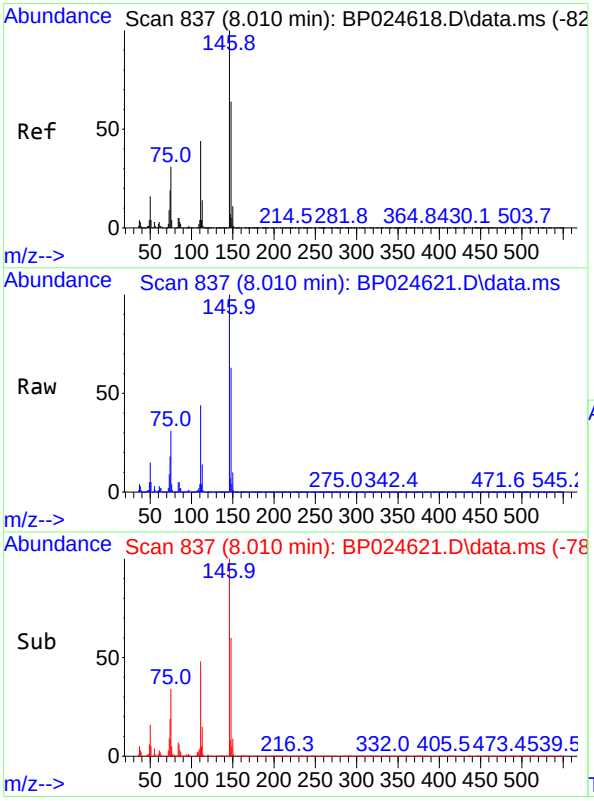
Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.0	76.6
111	43.0	33.0	49.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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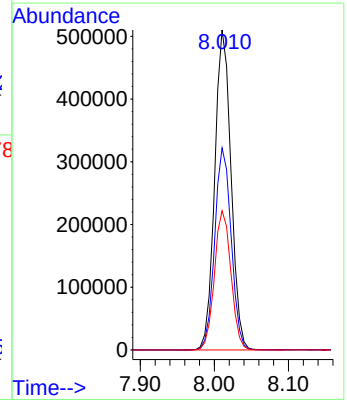
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

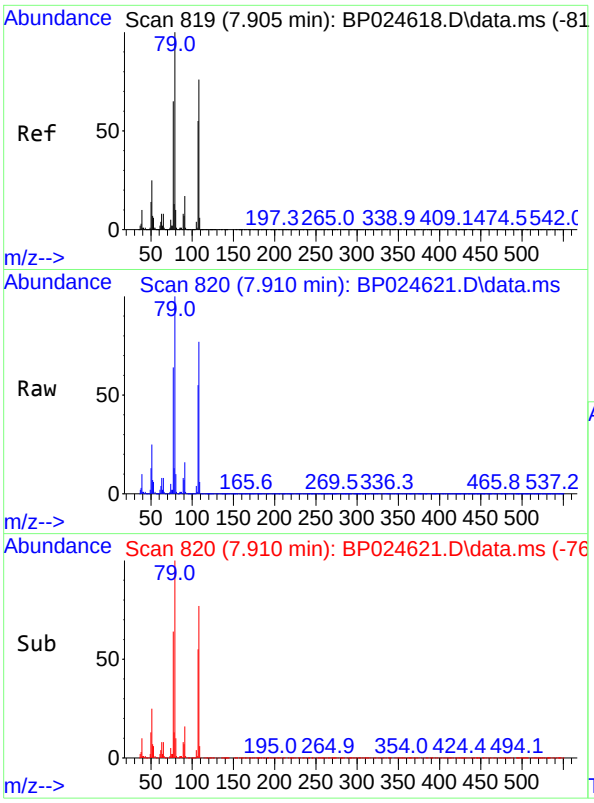


#14
1,2-Dichlorobenzene
Concen: 77.43 ng
RT: 8.010 min Scan# 837
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:146 Resp: 779316

Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.0	76.4
111	43.5	35.2	52.8





#15
Benzyl Alcohol
Concen: 87.16 ng
RT: 7.910 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

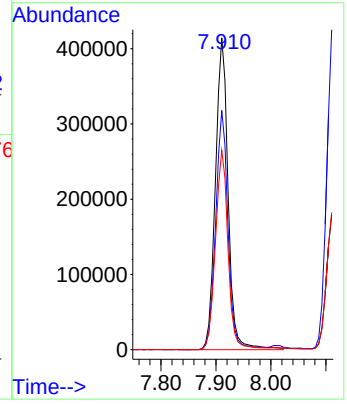
Tgt Ion: 79 Resp: 66468

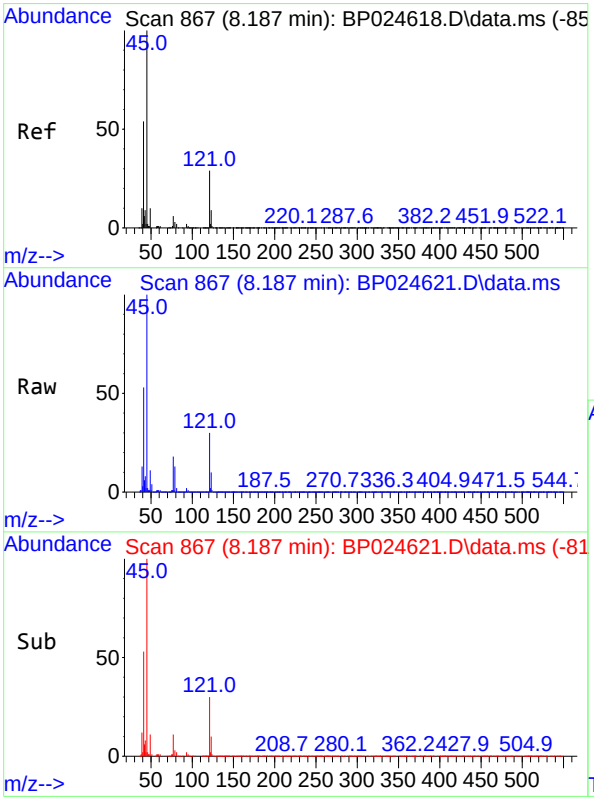
Ion	Ratio	Lower	Upper
79	100		
108	76.7	60.8	91.2
77	63.9	51.9	77.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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

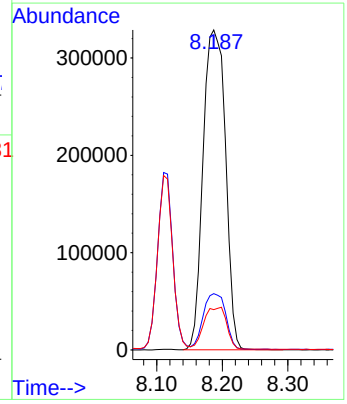


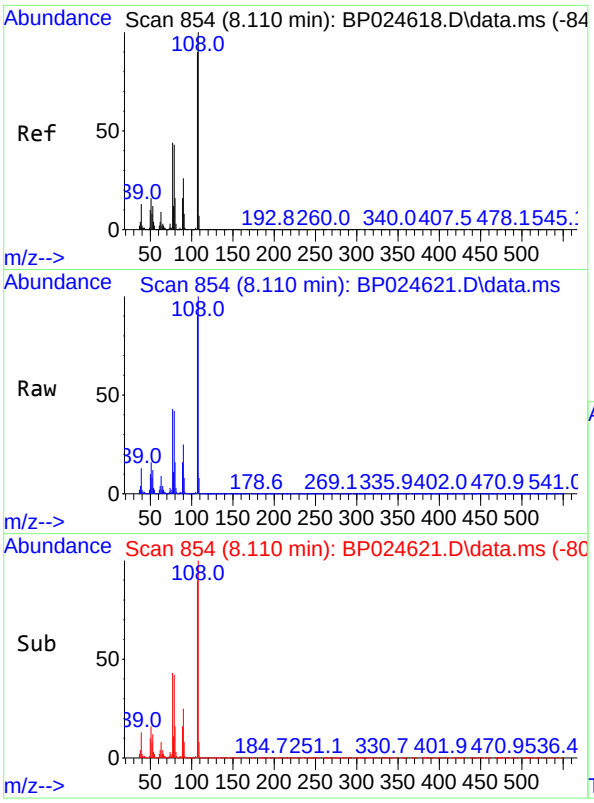


#16
2,2'-oxybis(1-Chloropropane)
Concen: 76.75 ng
RT: 8.187 min Scan# 867
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 45 Resp: 782240

Ion	Ratio	Lower	Upper
45	100		
77	17.6	0.0	37.7
79	12.6	0.0	34.0

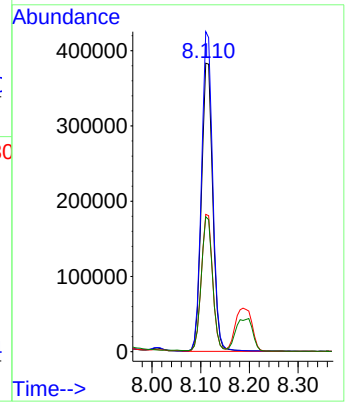




#17
2-Methylphenol
Concen: 83.58 ng
RT: 8.110 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:107 Resp: 62090

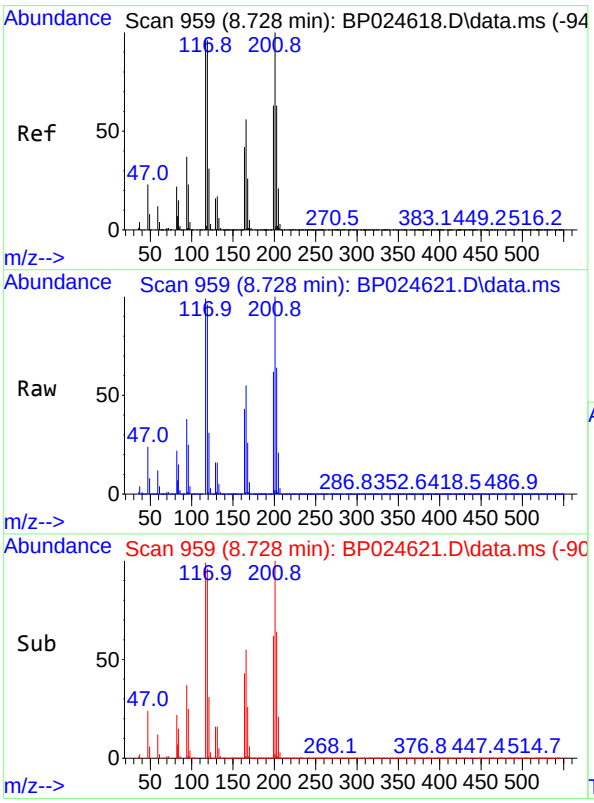
Ion	Ratio	Lower	Upper
107	100		
108	110.9	88.9	133.3
77	47.6	39.0	58.6
79	46.7	38.4	57.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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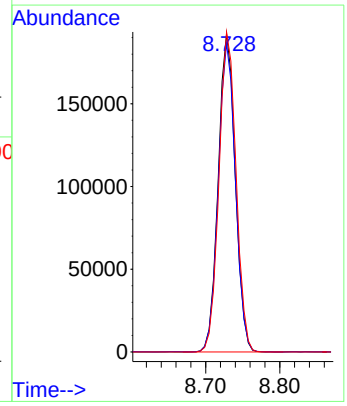
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

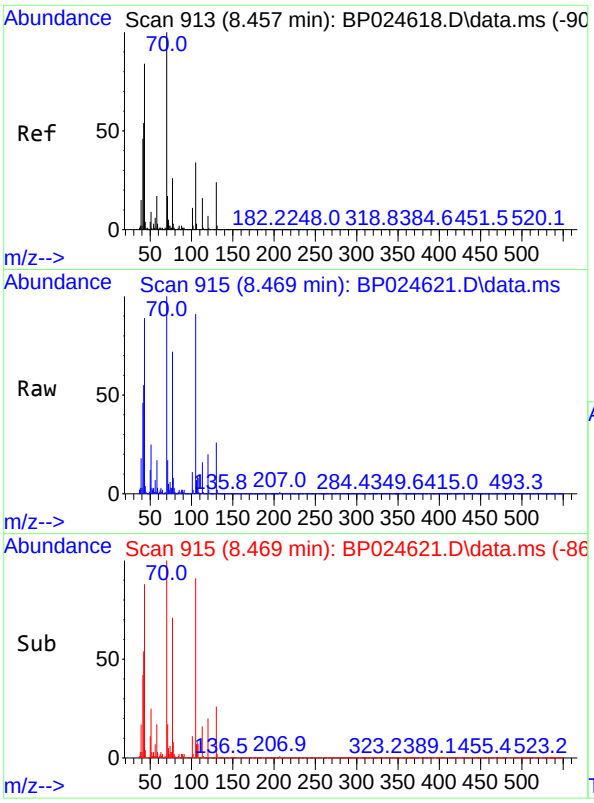


#18
Hexachloroethane
Concen: 77.52 ng
RT: 8.728 min Scan# 959
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:117 Resp: 306812

Ion	Ratio	Lower	Upper
117	100		
119	96.9	79.4	119.0
201	100.5	82.7	124.1

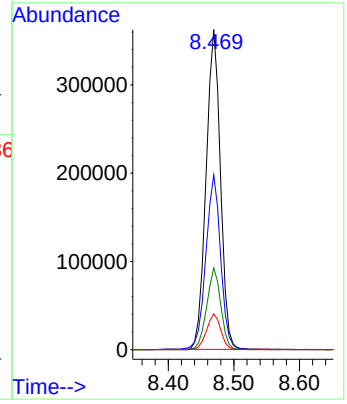




#19
n-Nitroso-di-n-propylamine
Concen: 79.50 ng
RT: 8.469 min Scan# 9
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 70 Resp: 55184

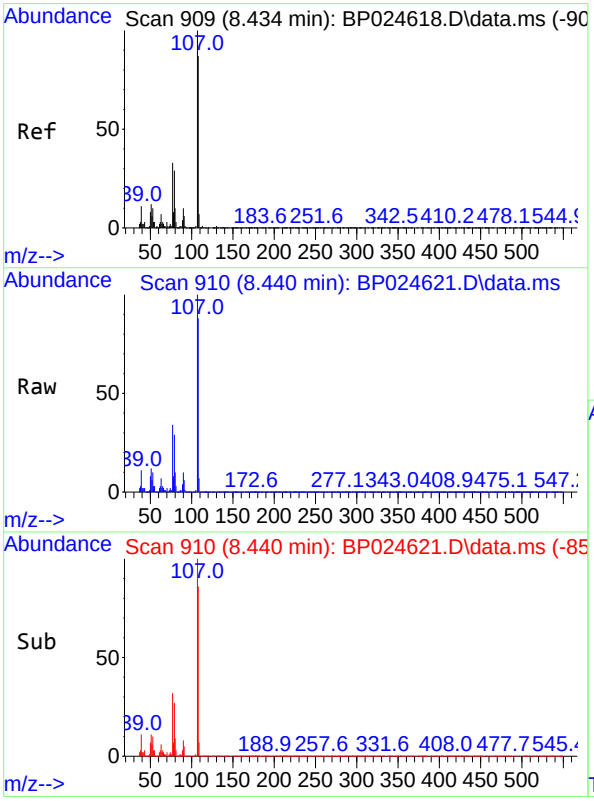
Ion	Ratio	Lower	Upper
70	100		
42	54.6	43.0	64.6
101	11.2	8.7	13.1
130	25.6	19.4	29.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

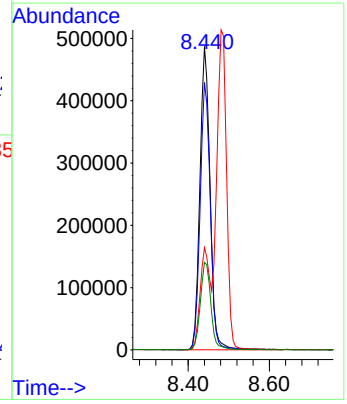
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

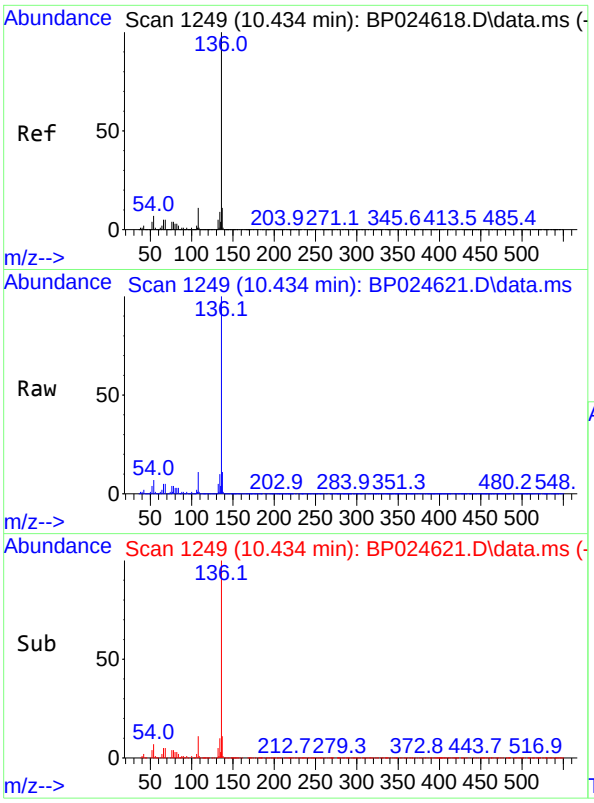


#20
3+4-Methylphenols
Concen: 84.32 ng
RT: 8.440 min Scan# 910
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:107 Resp: 852078

Ion	Ratio	Lower	Upper
107	100		
108	88.1	66.7	106.7
77	33.7	13.1	53.1
79	28.8	8.9	48.9

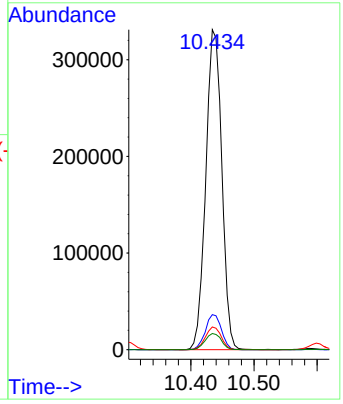




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:136 Resp: 58432

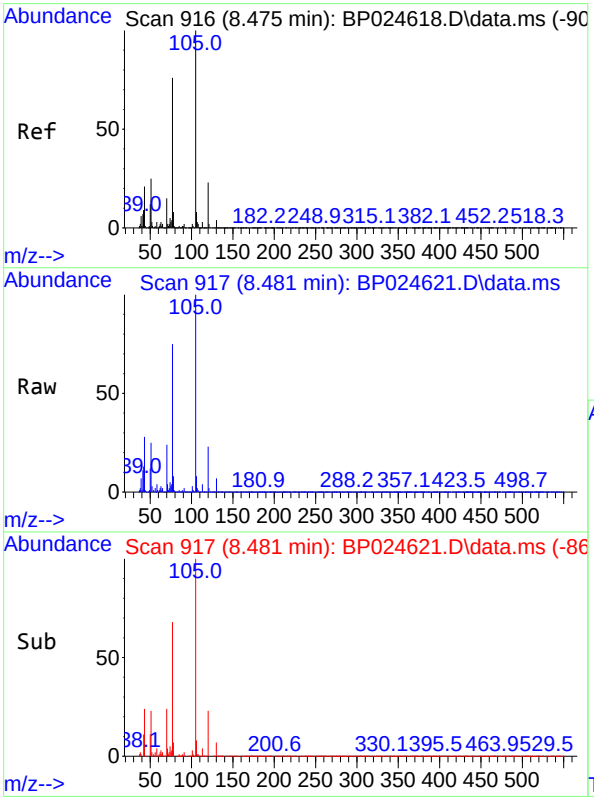
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.1	5.5	8.3
68	5.1	4.2	6.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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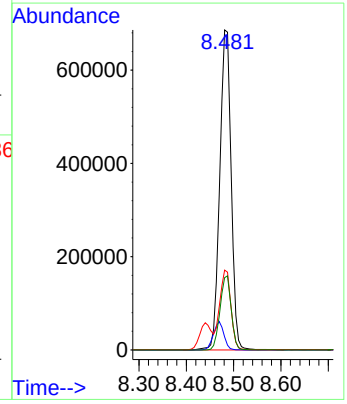
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

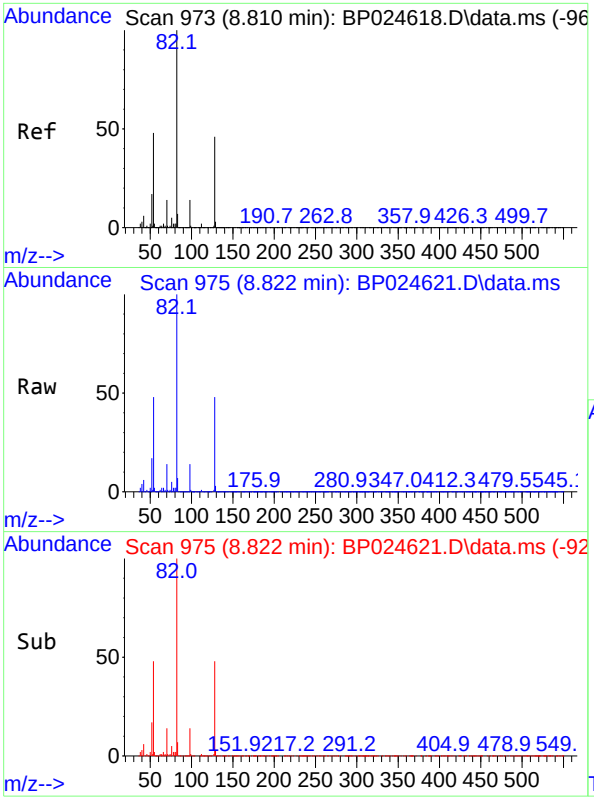


#22
Acetophenone
Concen: 78.62 ng
RT: 8.481 min Scan# 917
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:105 Resp: 1147610

Ion	Ratio	Lower	Upper
105	100		
71	4.0	2.0	3.0#
51	25.0	20.4	30.6
120	22.6	18.1	27.1

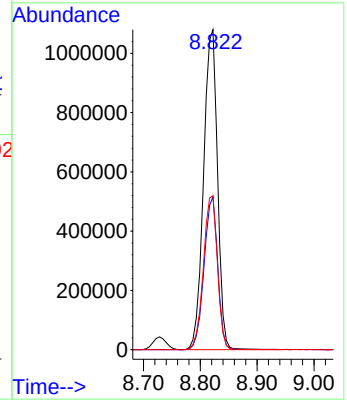




#23
Nitrobenzene-d5
Concen: 159.12 ng
RT: 8.822 min Scan# 9
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 82 Resp: 184018

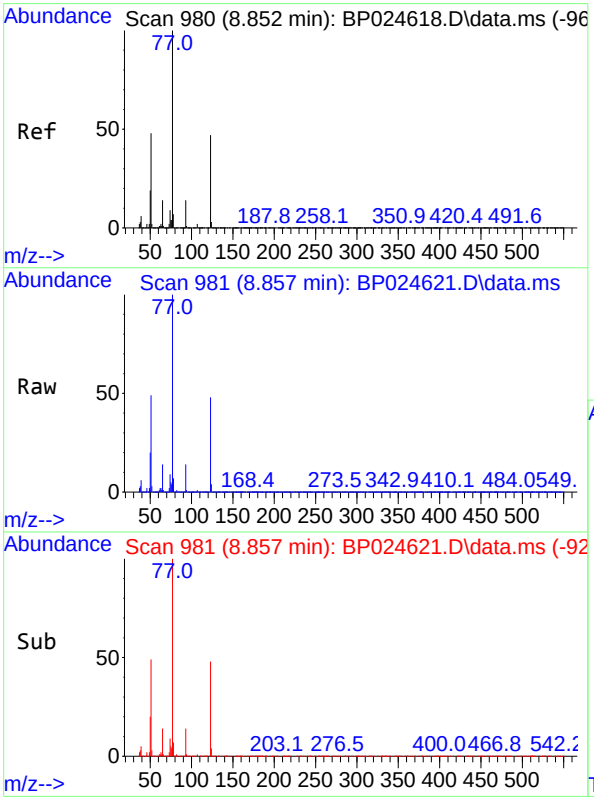
Ion	Ratio	Lower	Upper
82	100		
128	47.8	37.0	55.4
54	48.0	38.7	58.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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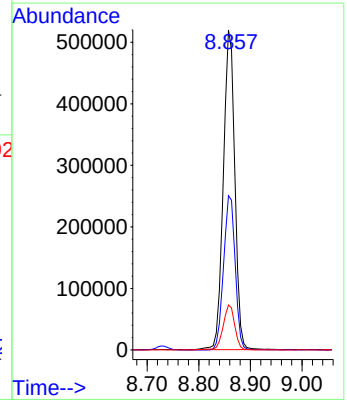
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

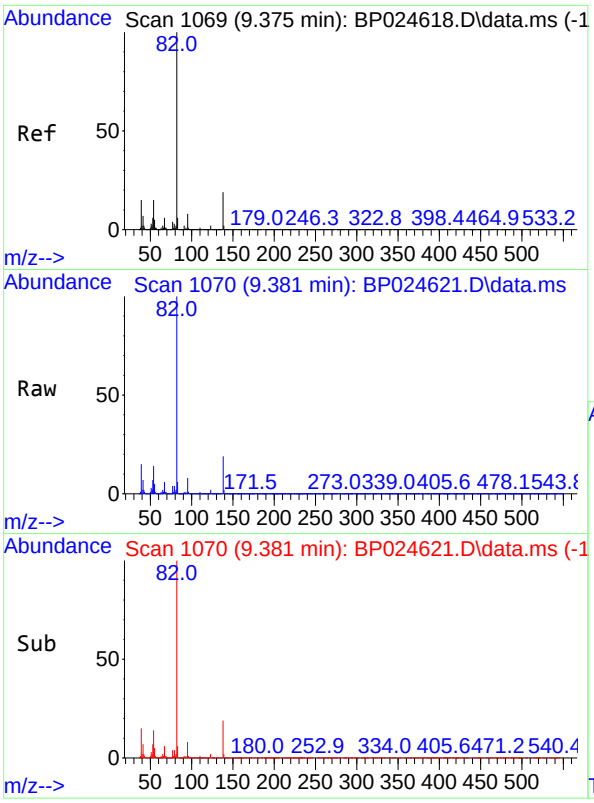


#24
Nitrobenzene
Concen: 79.02 ng
RT: 8.857 min Scan# 981
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 77 Resp: 804153

Ion	Ratio	Lower	Upper
77	100		
123	48.2	37.4	56.0
65	14.0	11.3	16.9

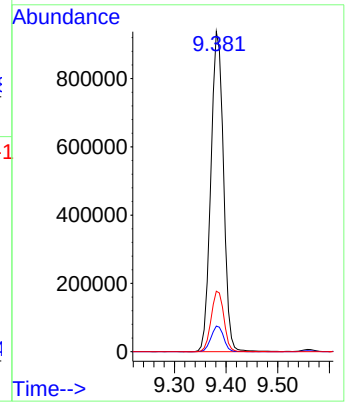




#25
Isophorone
Concen: 79.42 ng
RT: 9.381 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 82 Resp: 159323

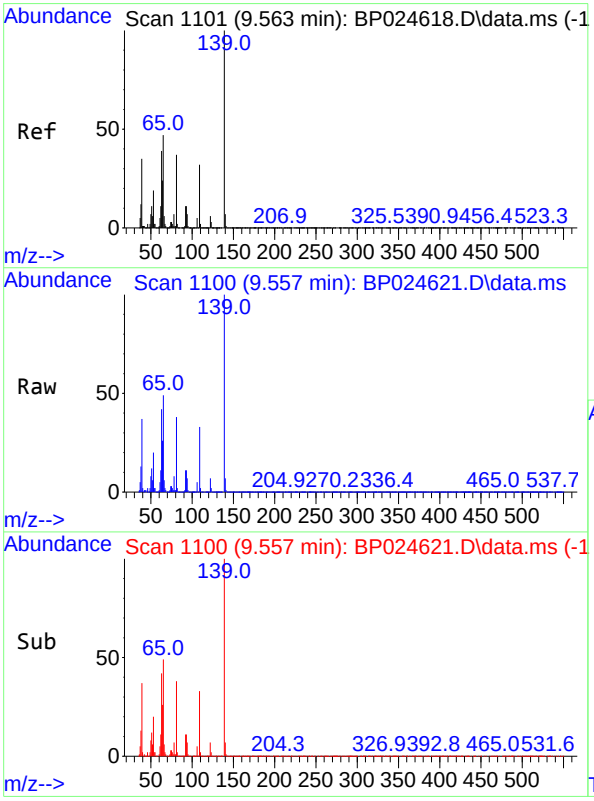
Ion	Ratio	Lower	Upper
82	100		
95	8.0	6.3	9.5
138	18.9	15.3	22.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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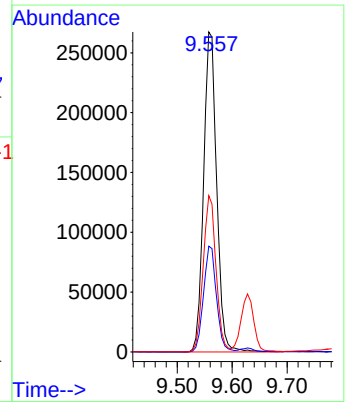
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

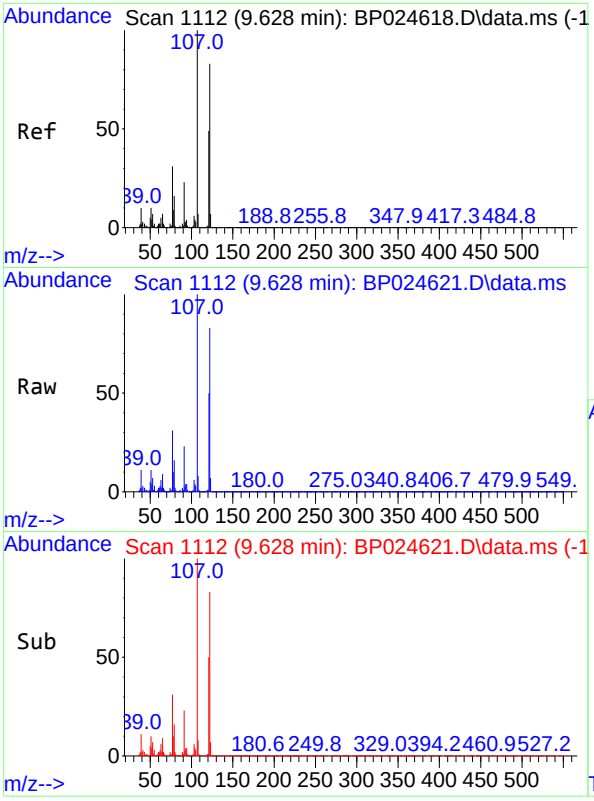


#26
2-Nitrophenol
Concen: 88.67 ng
RT: 9.557 min Scan# 1100
Delta R.T. -0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:139 Resp: 442185

Ion	Ratio	Lower	Upper
139	100		
109	33.1	25.9	38.9
65	48.8	37.9	56.9

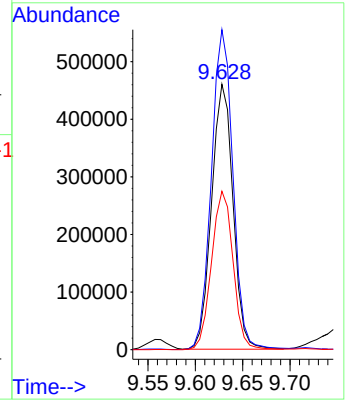




#27
2,4-Dimethylphenol
Concen: 82.17 ng
RT: 9.628 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:122 Resp: 72243

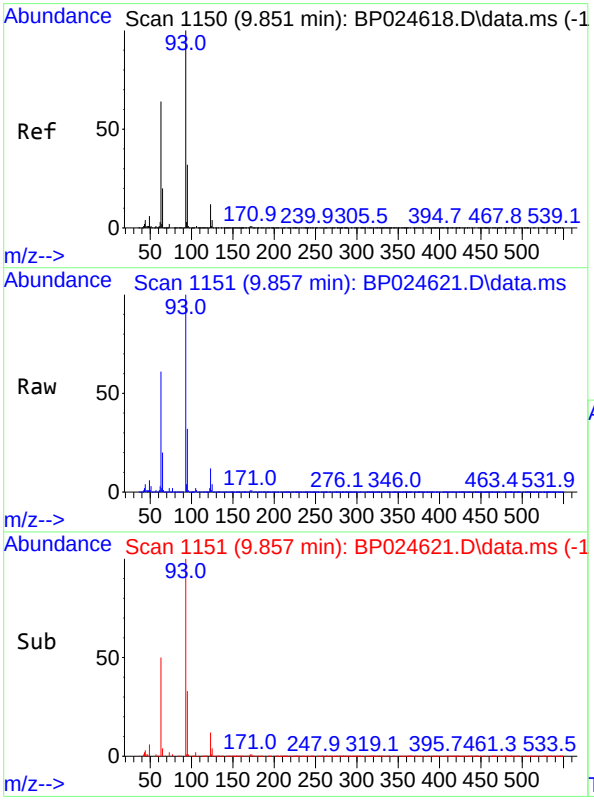
Ion	Ratio	Lower	Upper
122	100		
107	120.6	96.2	144.2
121	59.7	47.6	71.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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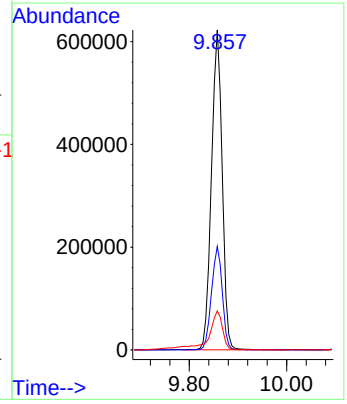
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

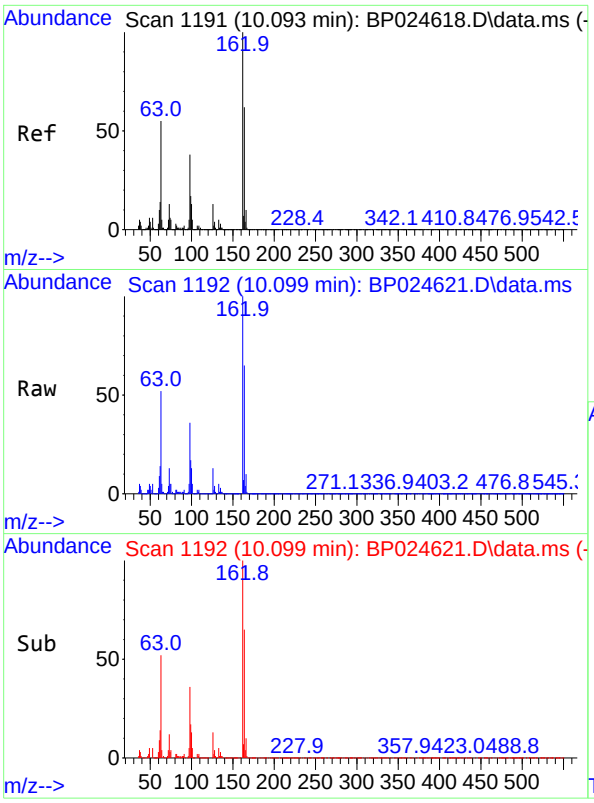


#28
bis(2-Chloroethoxy)methane
Concen: 78.98 ng
RT: 9.857 min Scan# 1151
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 93 Resp: 946615

Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.5	38.3
123	12.2	9.7	14.5

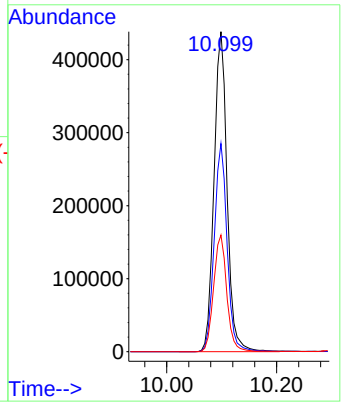




#29
2,4-Dichlorophenol
Concen: 84.70 ng
RT: 10.099 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:162 Resp: 72170

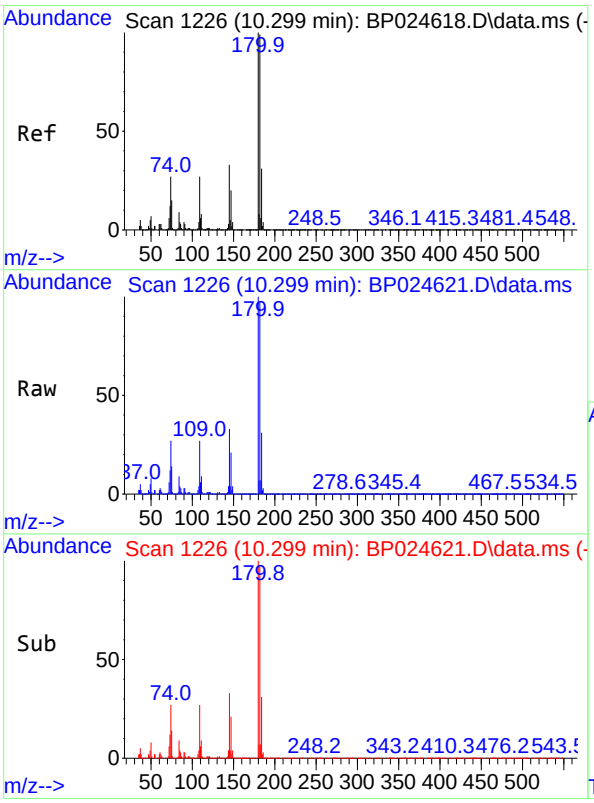
Ion	Ratio	Lower	Upper
162	100		
164	65.1	42.3	82.3
98	36.5	18.4	58.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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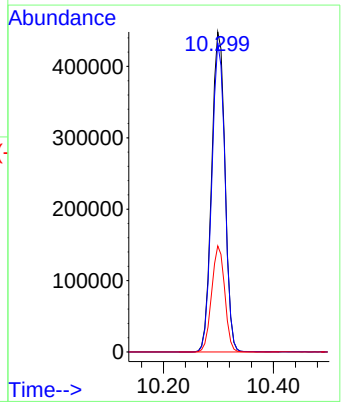
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

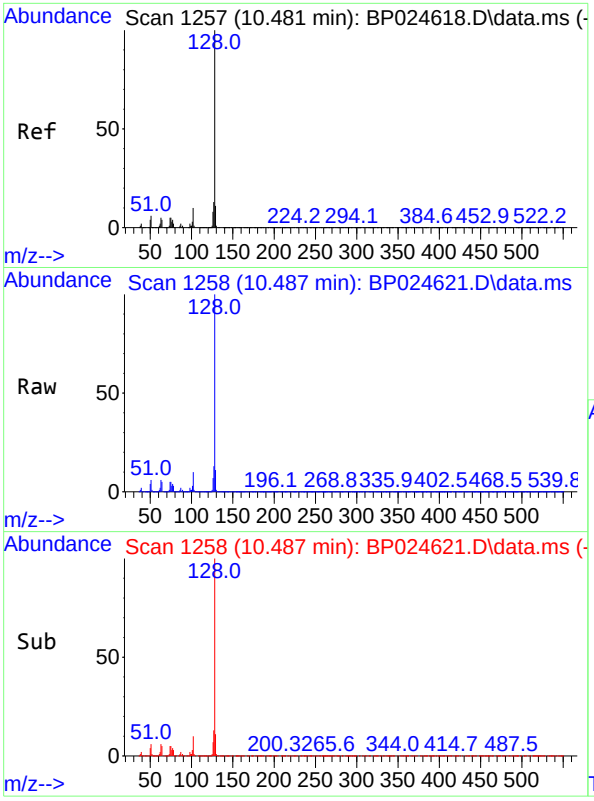


#30
1,2,4-Trichlorobenzene
Concen: 78.69 ng
RT: 10.299 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:180 Resp: 755529

Ion	Ratio	Lower	Upper
180	100		
182	96.5	79.0	118.4
145	33.1	26.6	39.8

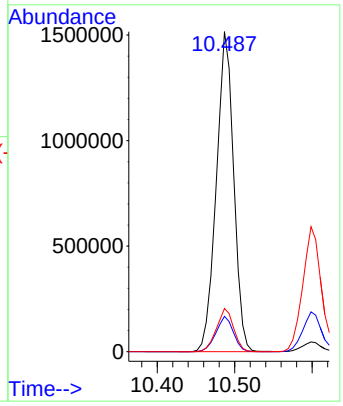




#31
Naphthalene
Concen: 77.77 ng
RT: 10.487 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:128 Resp: 235478

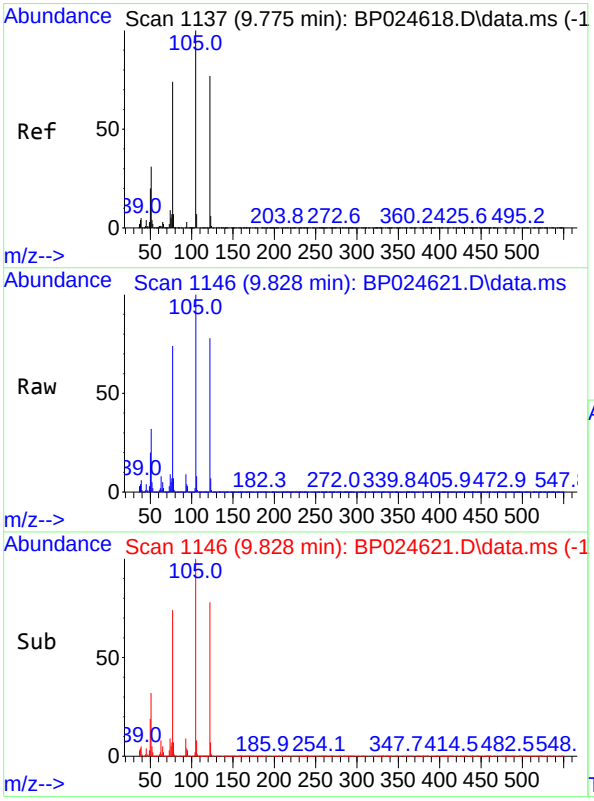
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.5	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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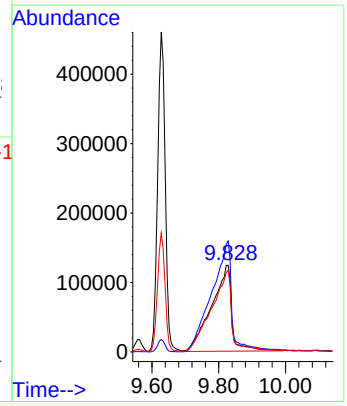
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

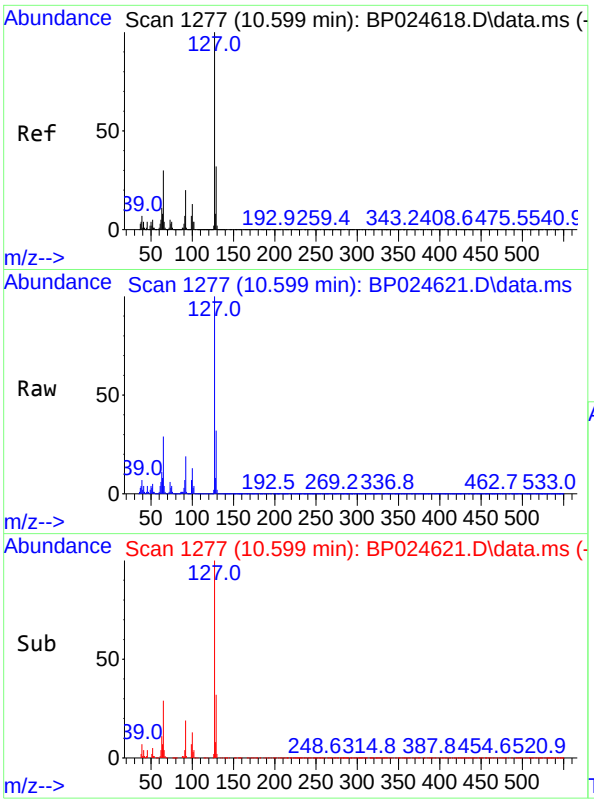


#32
Benzoic acid
Concen: 80.15 ng
RT: 9.828 min Scan# 1146
Delta R.T. 0.053 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:122 Resp: 525308

Ion	Ratio	Lower	Upper
122	100		
105	127.9	106.9	146.9
77	94.2	75.1	115.1

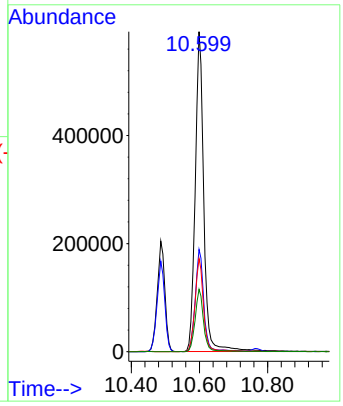




#33
4-Chloroaniline
Concen: 84.61 ng
RT: 10.599 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:127 Resp: 103386

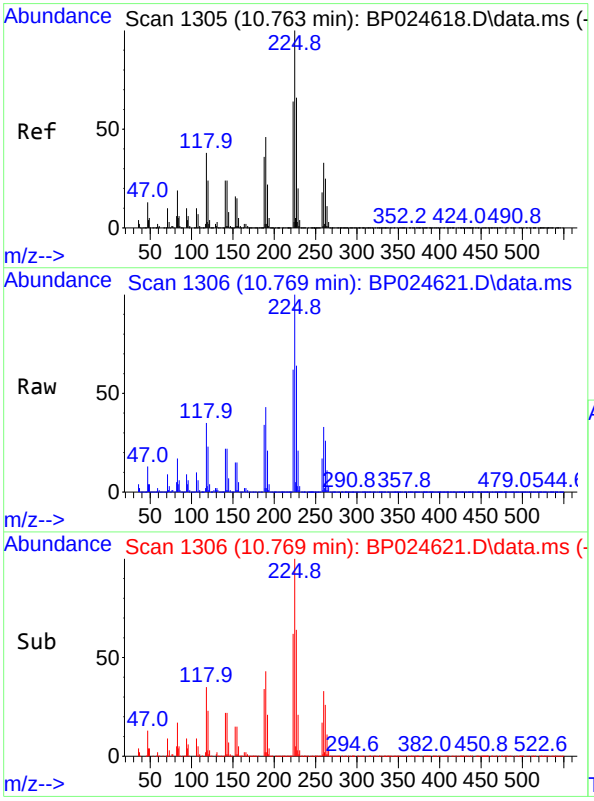
Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.8	38.6
65	29.1	23.9	35.9
92	19.5	16.1	24.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

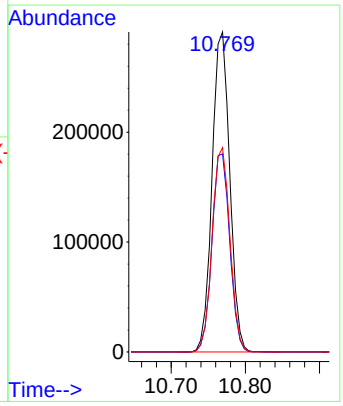
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

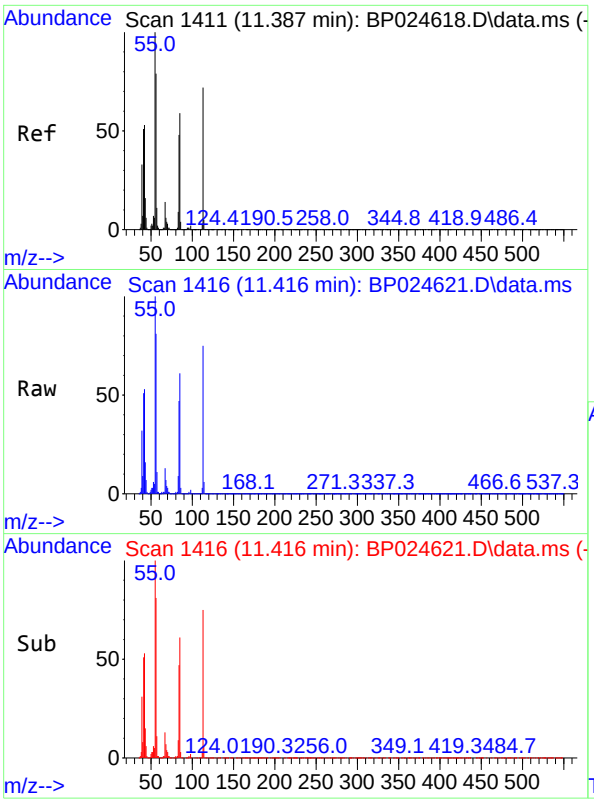


#34
Hexachlorobutadiene
Concen: 77.35 ng
RT: 10.769 min Scan# 1306
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:225 Resp: 481140

Ion	Ratio	Lower	Upper
225	100		
223	61.9	51.0	76.6
227	63.8	53.1	79.7





#35
Caprolactam
Concen: 83.50 ng
RT: 11.416 min Scan# 14
Delta R.T. 0.029 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

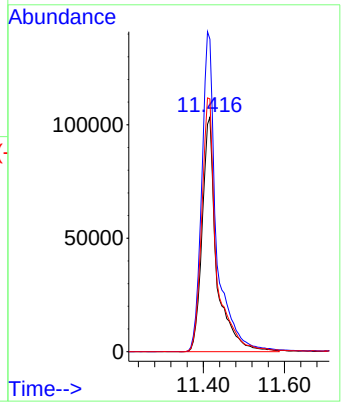
Tgt Ion:113 Resp: 25725

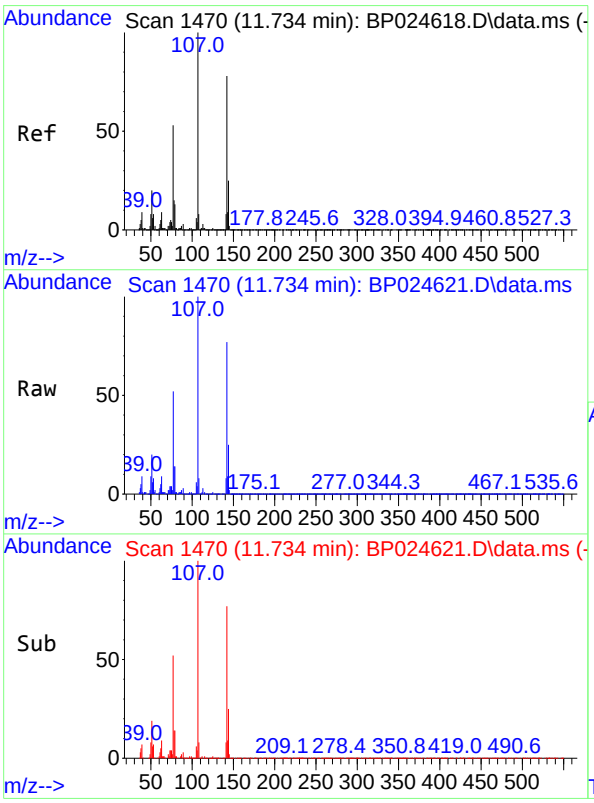
Ion	Ratio	Lower	Upper
113	100		
55	133.3	119.0	159.0
56	107.8	90.3	130.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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

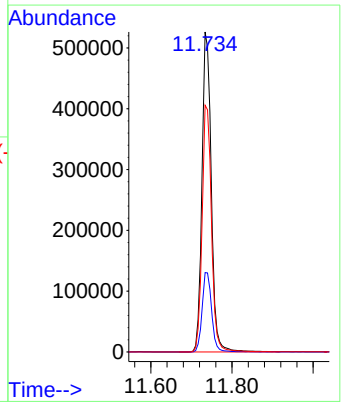


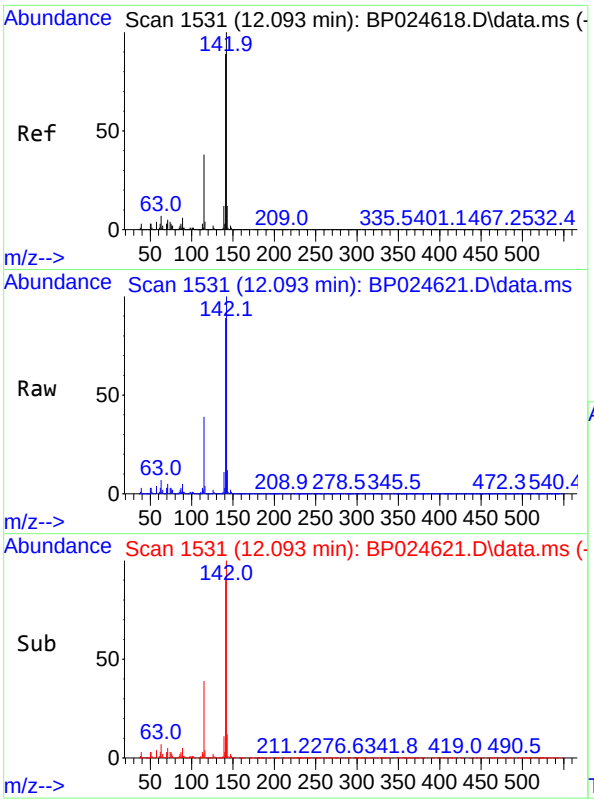


#36
4-Chloro-3-methylphenol
Concen: 80.74 ng
RT: 11.734 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:107 Resp: 838983

Ion	Ratio	Lower	Upper
107	100		
144	24.8	20.1	30.1
142	77.1	62.1	93.1

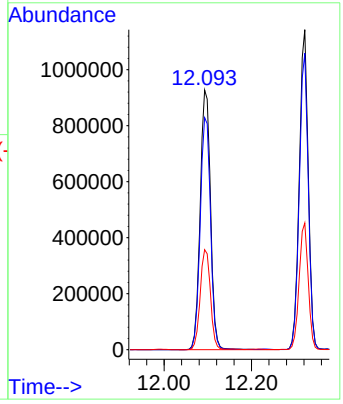




#37
2-Methylnaphthalene
Concen: 78.01 ng
RT: 12.093 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:142 Resp: 152944

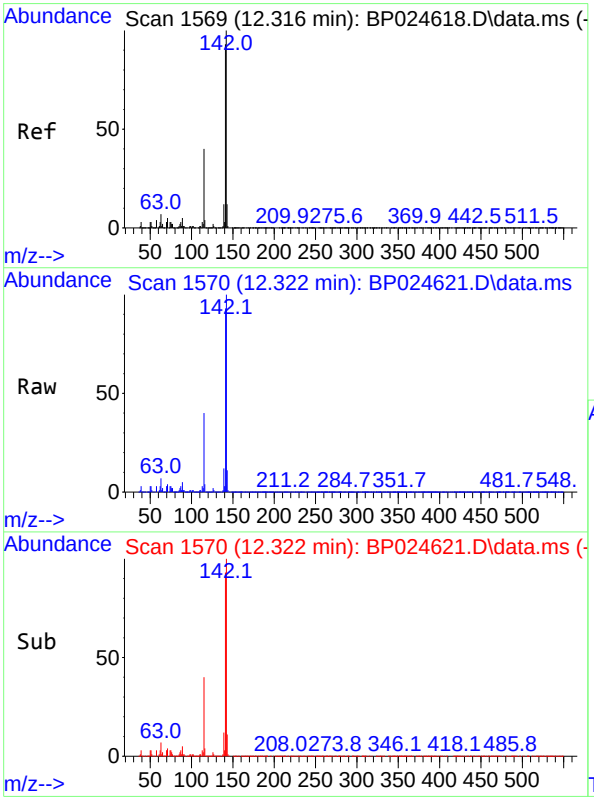
Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.2	106.8
115	38.5	30.6	46.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

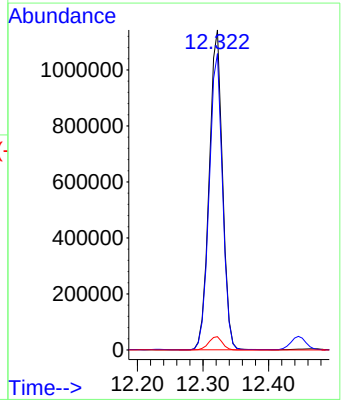
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

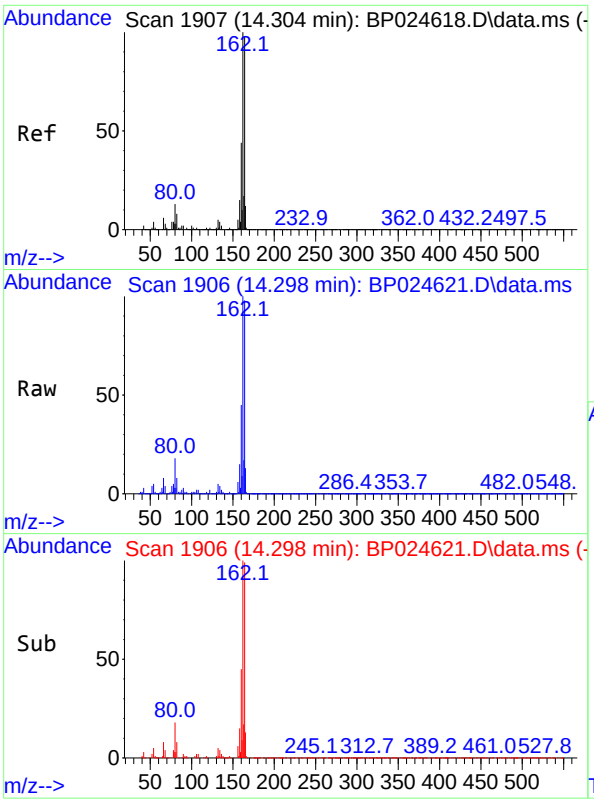


#38
1-Methylnaphthalene
Concen: 76.92 ng
RT: 12.322 min Scan# 1570
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:142 Resp: 1613775

Ion	Ratio	Lower	Upper
142	100		
141	92.6	74.7	112.1
116	4.1	3.4	5.2

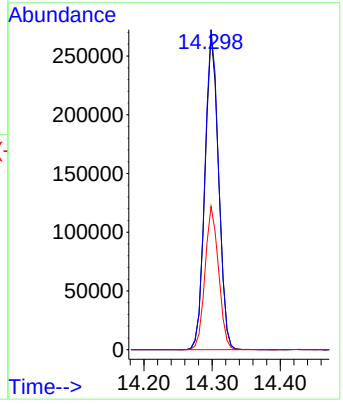




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.298 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:164 Resp: 37357

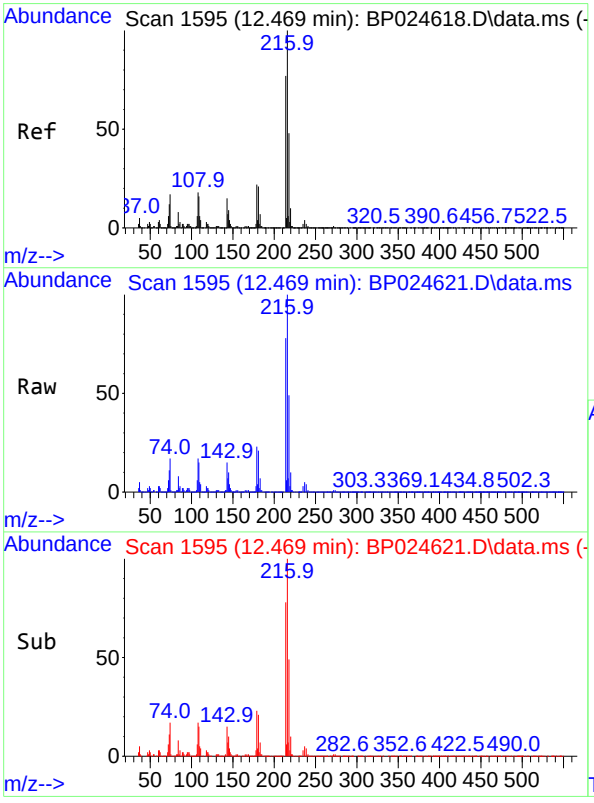
Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.8	122.6
160	45.5	36.3	54.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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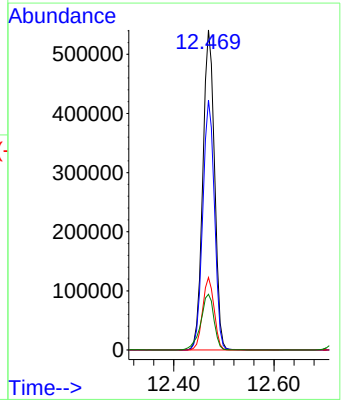
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

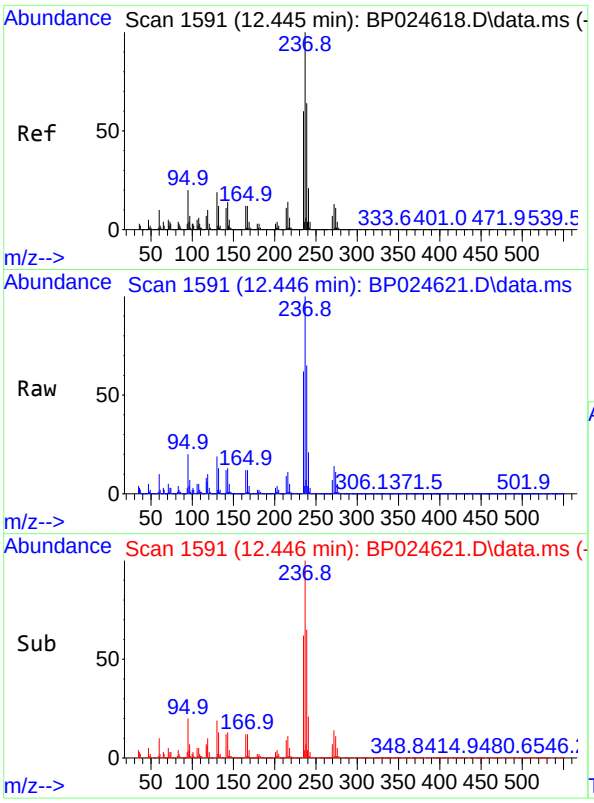


#40
1,2,4,5-Tetrachlorobenzene
Concen: 80.73 ng
RT: 12.469 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:216 Resp: 875750

Ion	Ratio	Lower	Upper
216	100		
214	78.0	62.3	93.5
179	22.4	17.7	26.5
108	19.6	16.0	24.0

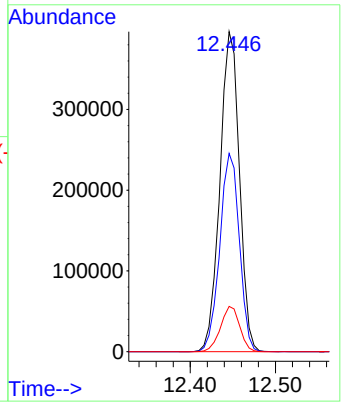




#41
Hexachlorocyclopentadiene
Concen: 95.54 ng
RT: 12.446 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:237 Resp: 62843

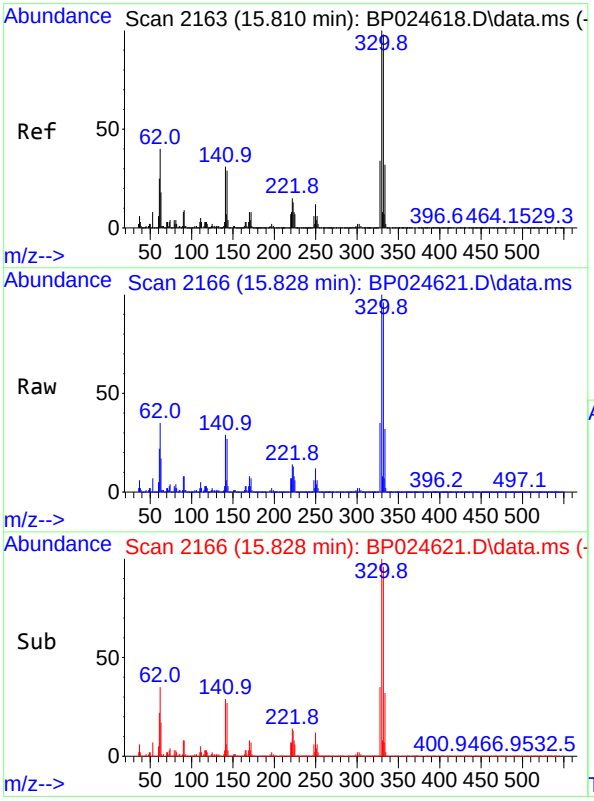
Ion	Ratio	Lower	Upper
237	100		
235	61.9	39.9	79.9
272	14.1	0.0	33.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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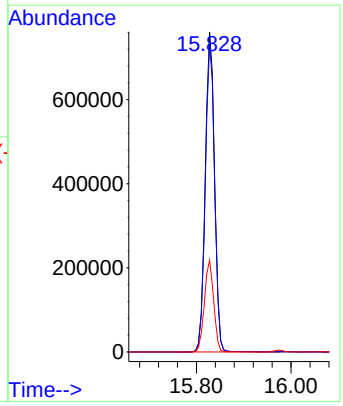
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

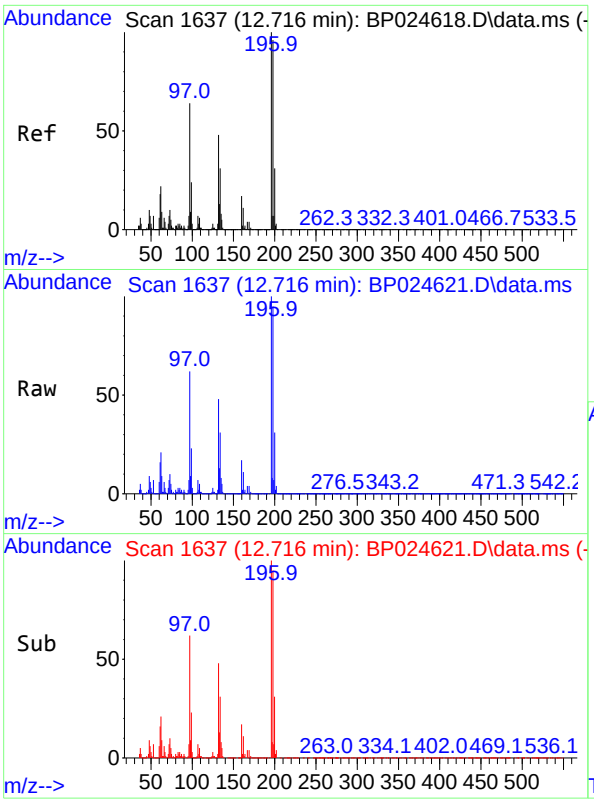


#42
2,4,6-Tribromophenol
Concen: 163.05 ng
RT: 15.828 min Scan# 2166
Delta R.T. 0.018 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:330 Resp: 1032638

Ion	Ratio	Lower	Upper
330	100		
332	96.7	78.2	117.4
141	28.8	24.3	36.5

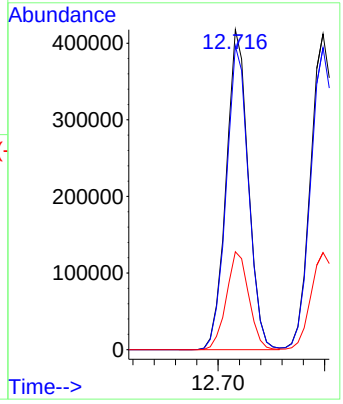




#43
2,4,6-Trichlorophenol
Concen: 85.58 ng
RT: 12.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:196 Resp: 60133

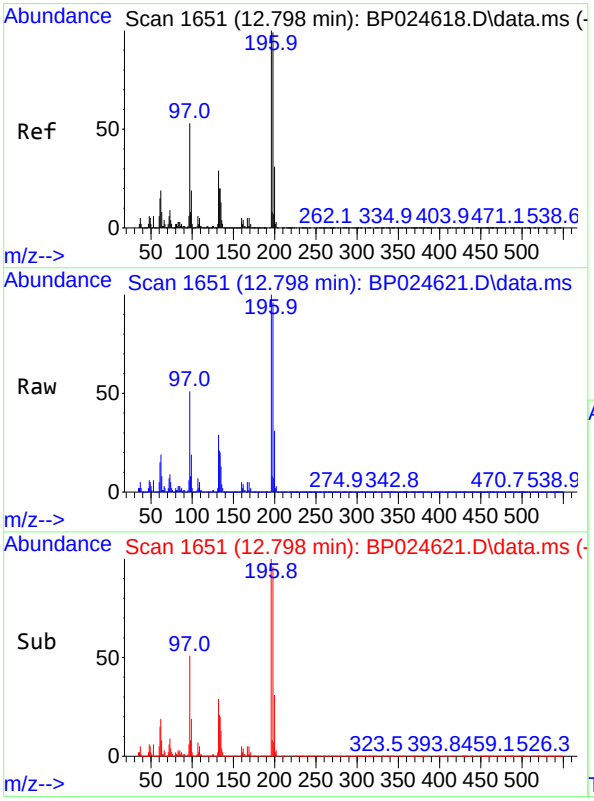
Ion	Ratio	Lower	Upper
196	100		
198	94.9	76.9	115.3
200	30.6	25.2	37.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

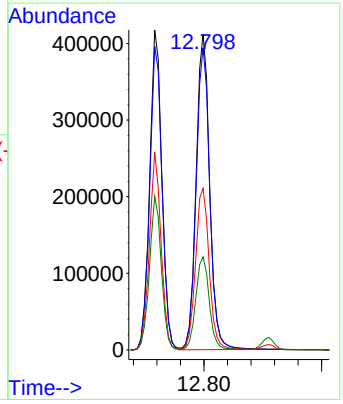
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

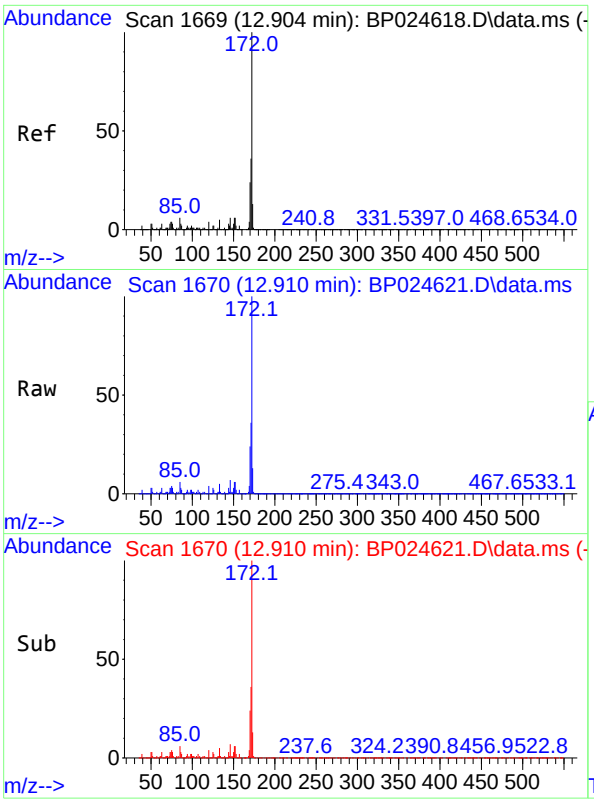


#44
2,4,5-Trichlorophenol
Concen: 84.05 ng
RT: 12.798 min Scan# 1651
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:196 Resp: 657399

Ion	Ratio	Lower	Upper
196	100		
198	95.7	79.2	118.8
97	51.1	42.3	63.5
132	29.5	23.3	34.9

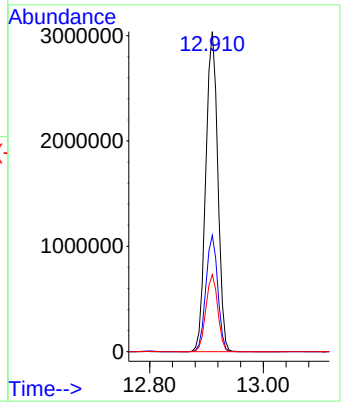




#45
2-Fluorobiphenyl
Concen: 155.65 ng
RT: 12.910 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:172 Resp: 443817

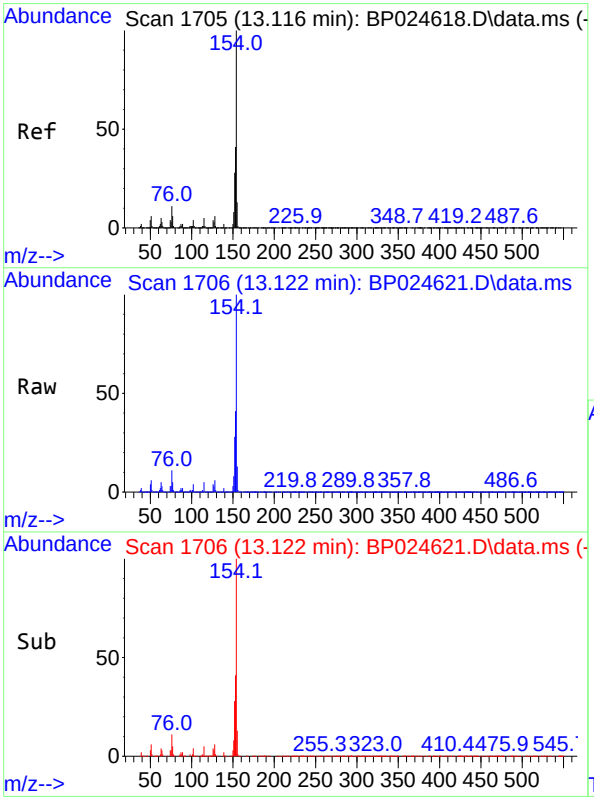
Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.8	43.2
170	24.1	18.8	28.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

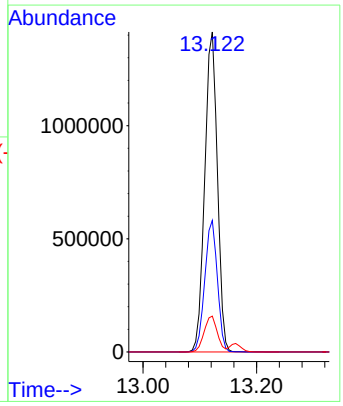
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

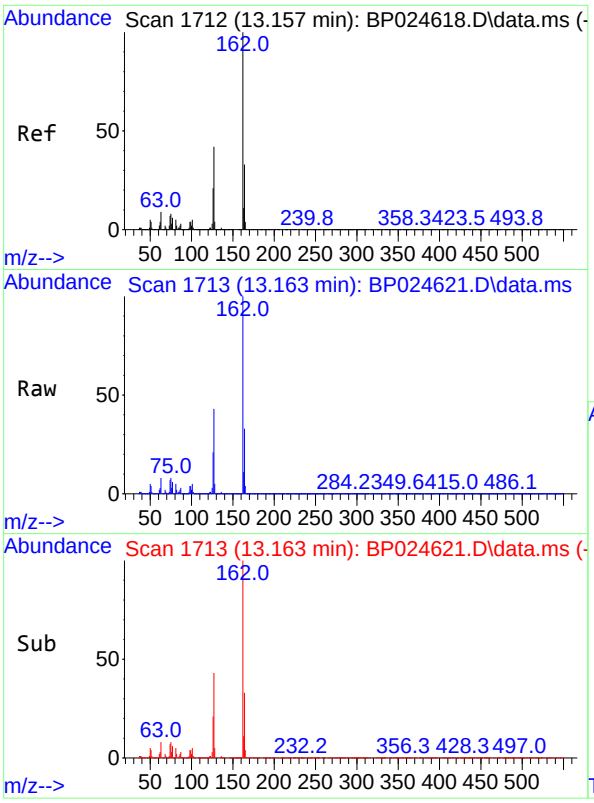


#46
1,1'-Biphenyl
Concen: 78.79 ng
RT: 13.122 min Scan# 1706
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:154 Resp: 2175624

Ion	Ratio	Lower	Upper
154	100		
153	41.1	21.0	61.0
76	11.2	0.0	31.5

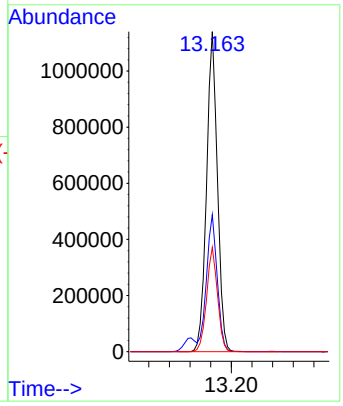




#47
2-Chloronaphthalene
Concen: 78.99 ng
RT: 13.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:162 Resp: 166297

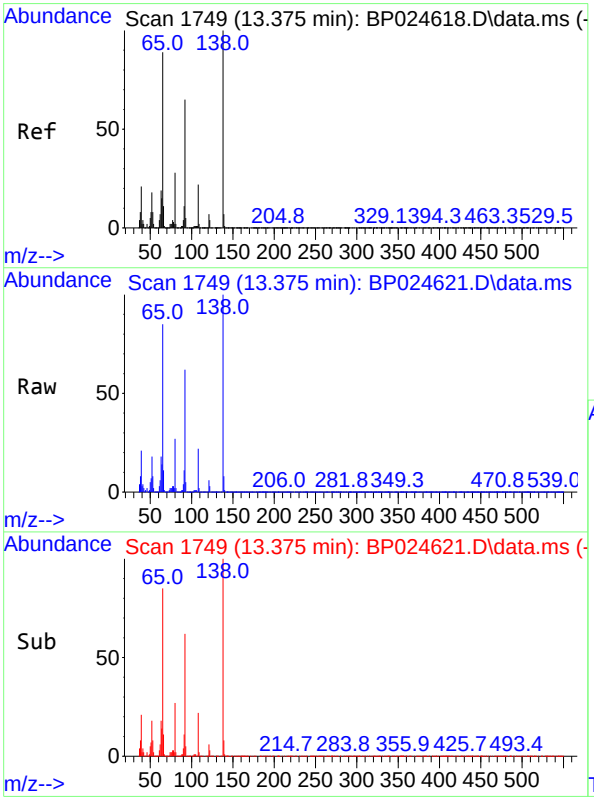
Ion	Ratio	Lower	Upper
162	100		
127	42.8	33.8	50.6
164	32.6	26.0	39.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

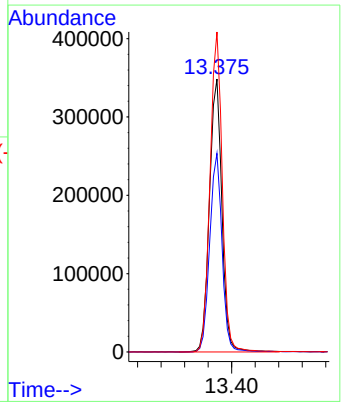
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

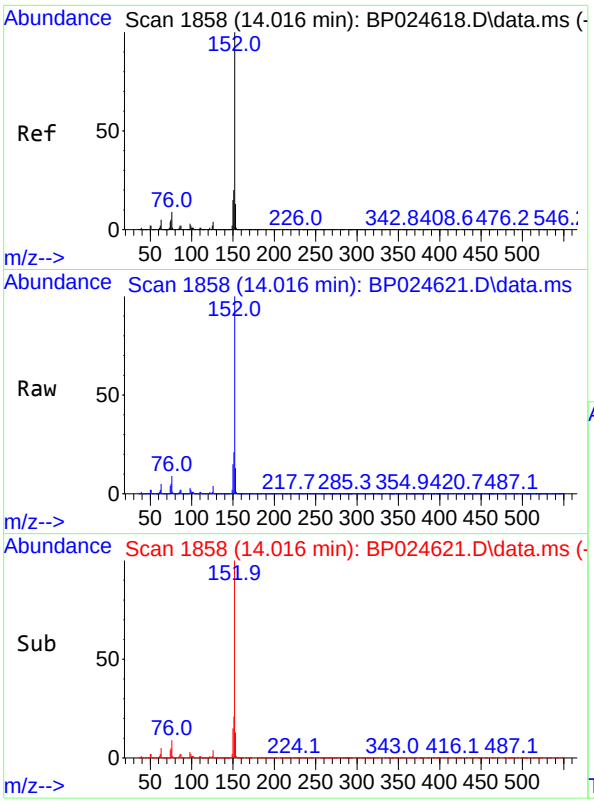


#48
2-Nitroaniline
Concen: 82.22 ng
RT: 13.375 min Scan# 1749
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 65 Resp: 512458

Ion	Ratio	Lower	Upper
65	100		
92	72.7	58.7	88.1
138	117.2	90.2	135.2

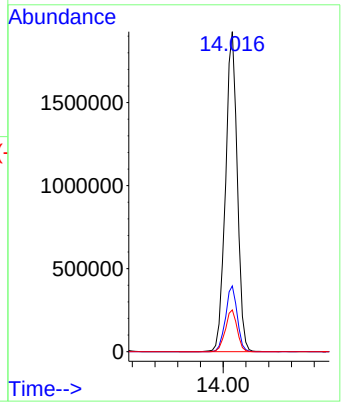




#49
Acenaphthylene
Concen: 78.73 ng
RT: 14.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:152 Resp: 277374

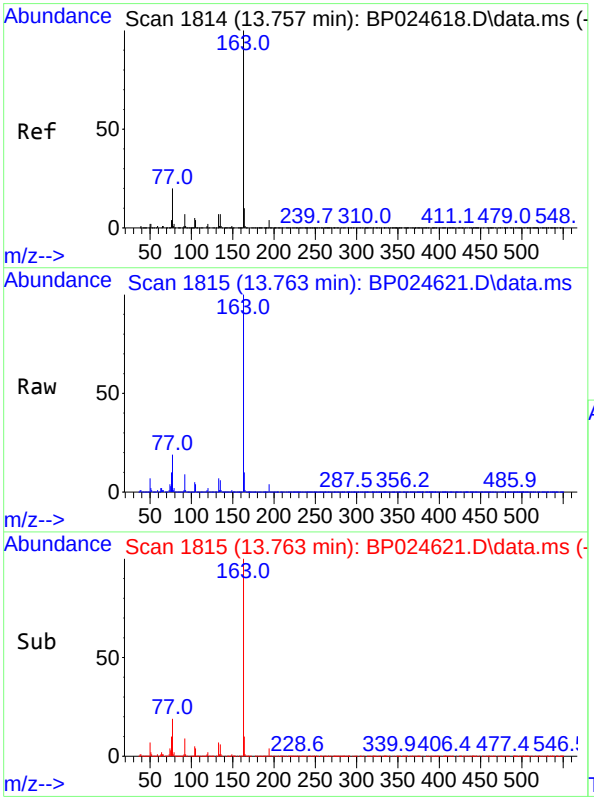
Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.2	24.4
153	13.1	10.2	15.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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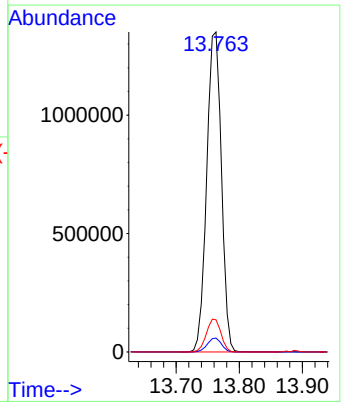
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

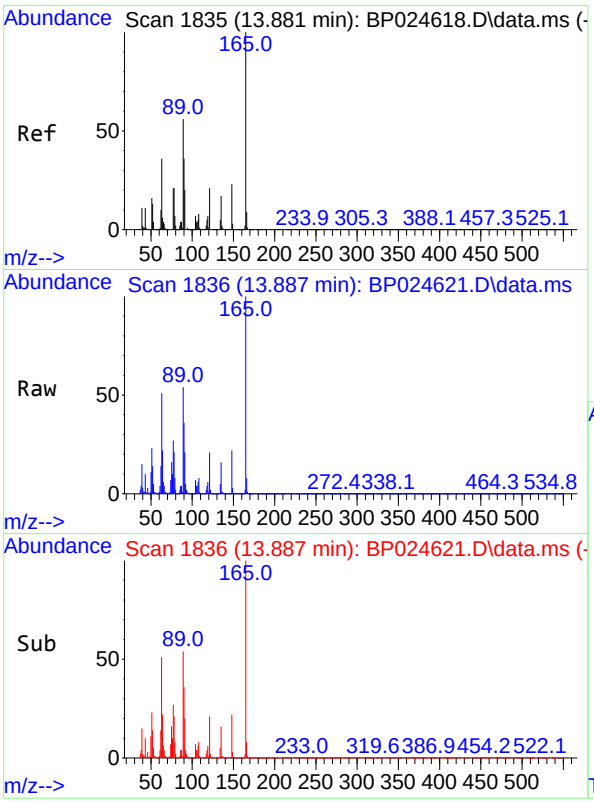


#50
Dimethylphthalate
Concen: 76.64 ng
RT: 13.763 min Scan# 1815
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:163 Resp: 2182359

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.0
164	10.0	8.1	12.1





#51
2,6-Dinitrotoluene
Concen: 79.26 ng
RT: 13.887 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

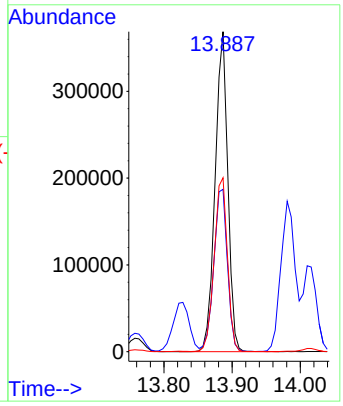
Tgt Ion:165 Resp: 47660

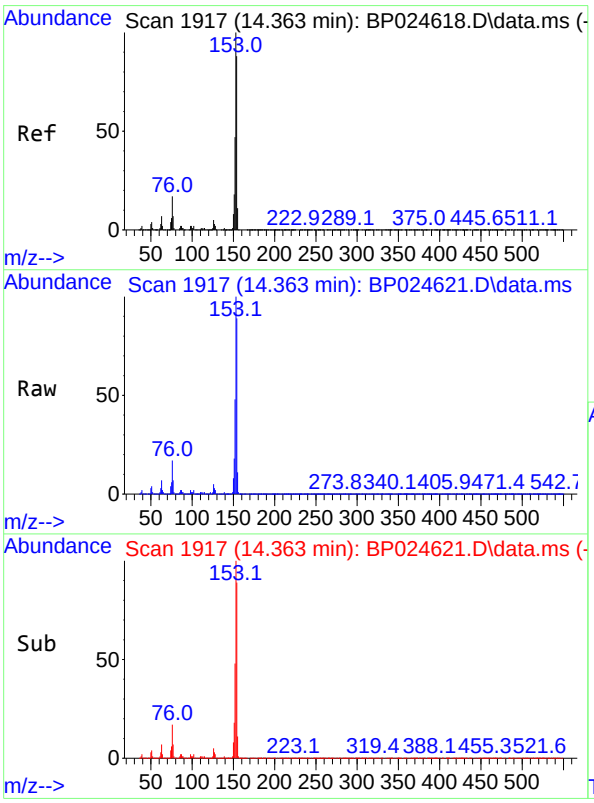
Ion	Ratio	Lower	Upper
165	100		
63	50.8	42.4	63.6
89	54.4	44.8	67.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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

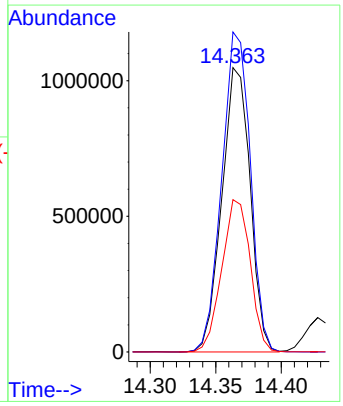


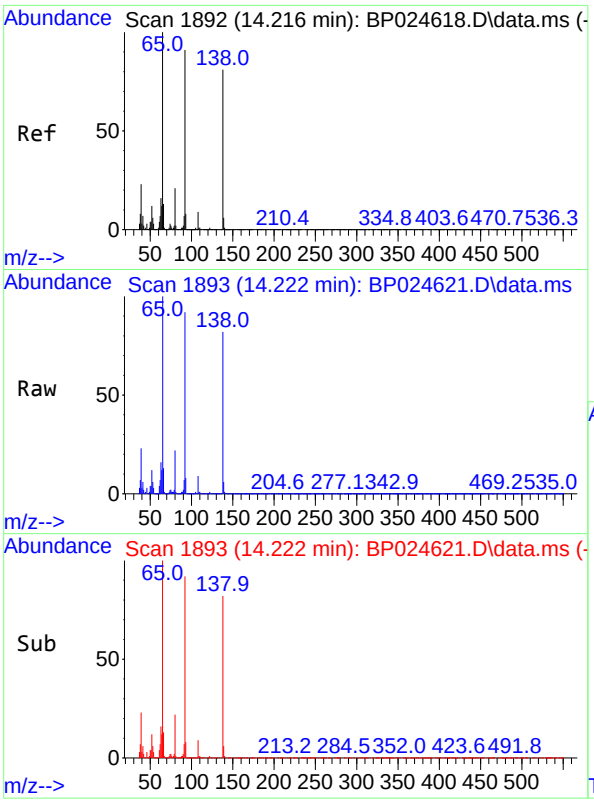


#52
Acenaphthene
Concen: 77.62 ng
RT: 14.363 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:154 Resp: 1572103

Ion	Ratio	Lower	Upper
154	100		
153	112.6	91.0	136.4
152	53.6	42.9	64.3

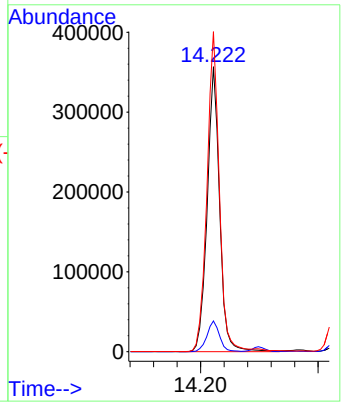




#53
3-Nitroaniline
Concen: 85.15 ng
RT: 14.222 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:138 Resp: 52284

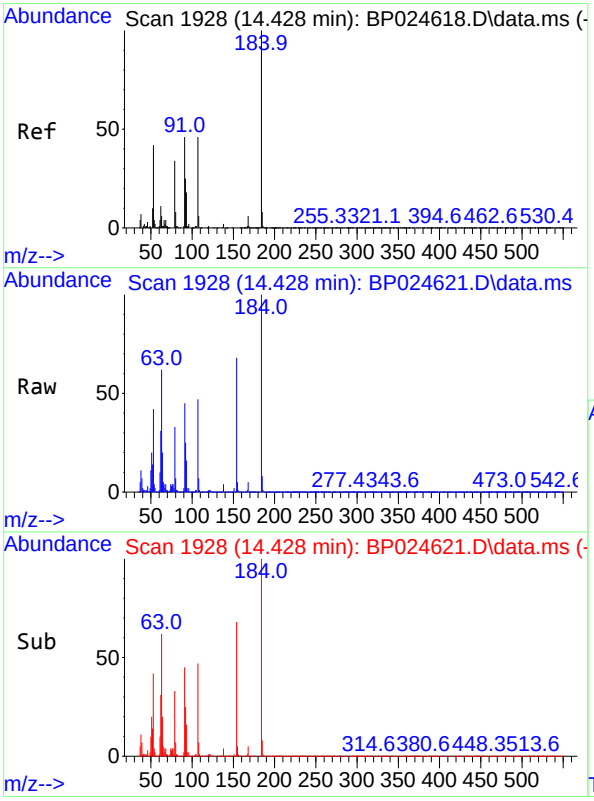
Ion	Ratio	Lower	Upper
138	100		
108	10.8	9.0	13.4
92	112.3	90.1	135.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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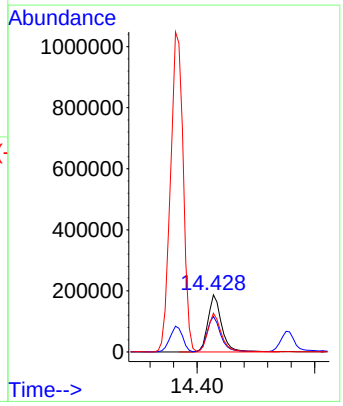
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

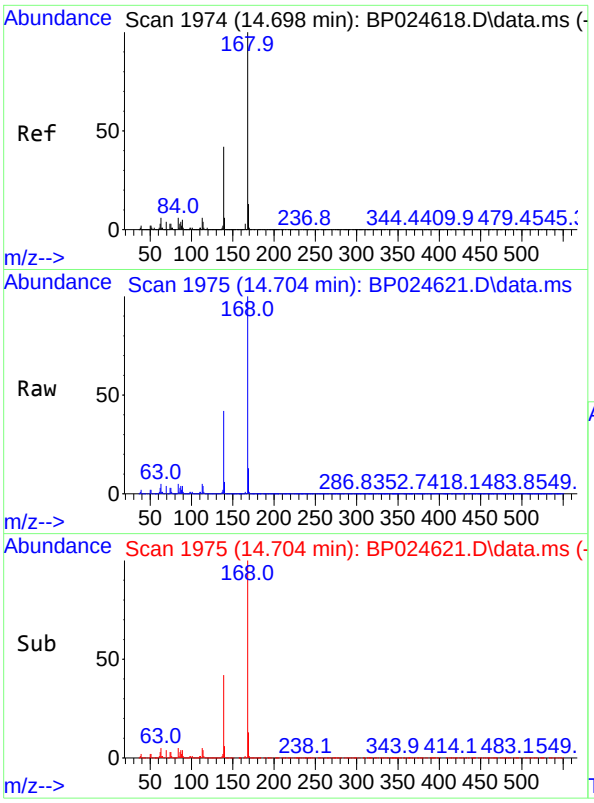


#54
2,4-Dinitrophenol
Concen: 79.29 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:184 Resp: 300458

Ion	Ratio	Lower	Upper
184	100		
63	62.1	51.3	76.9
154	67.9	53.5	80.3

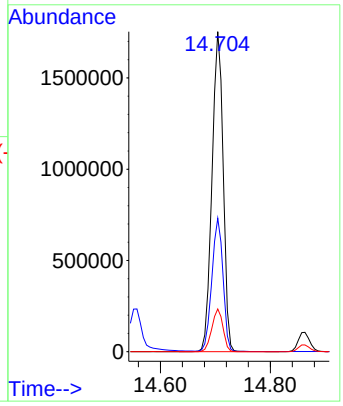




#55
Dibenzofuran
Concen: 76.68 ng
RT: 14.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:168 Resp: 247737

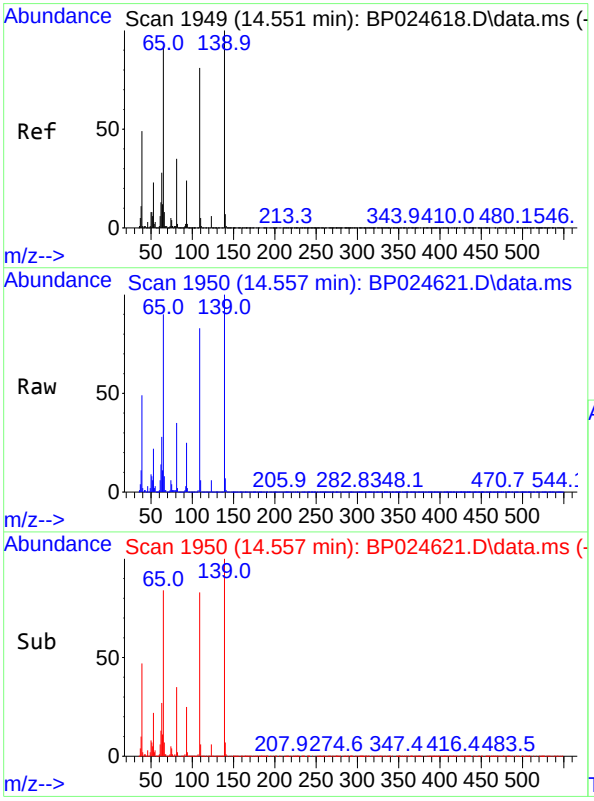
Ion	Ratio	Lower	Upper
168	100		
139	41.7	34.2	51.4
169	13.4	10.8	16.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

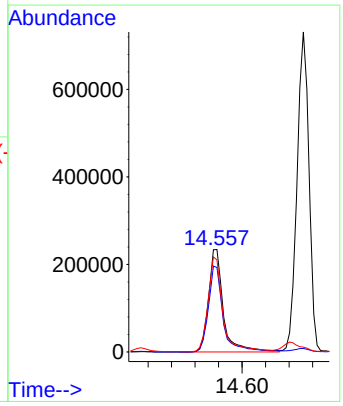
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

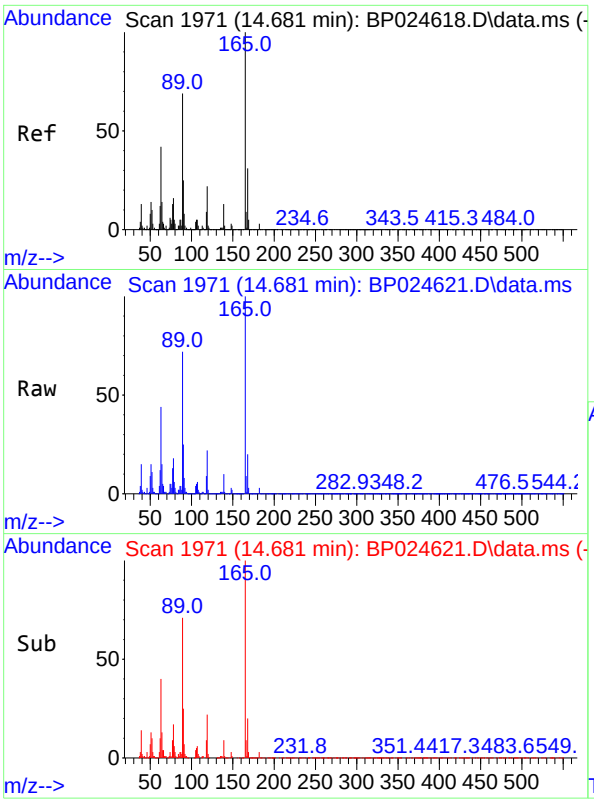


#56
4-Nitrophenol
Concen: 77.27 ng
RT: 14.557 min Scan# 1950
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:139 Resp: 409954

Ion	Ratio	Lower	Upper
139	100		
109	82.6	61.4	101.4
65	89.8	72.2	112.2

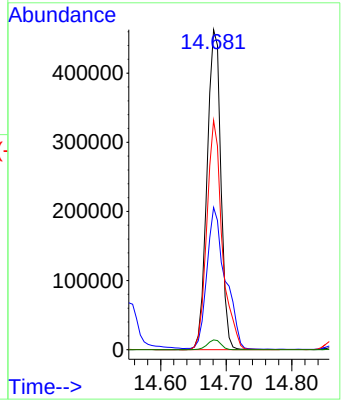




#57
2,4-Dinitrotoluene
Concen: 80.01 ng
RT: 14.681 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:165 Resp: 67828

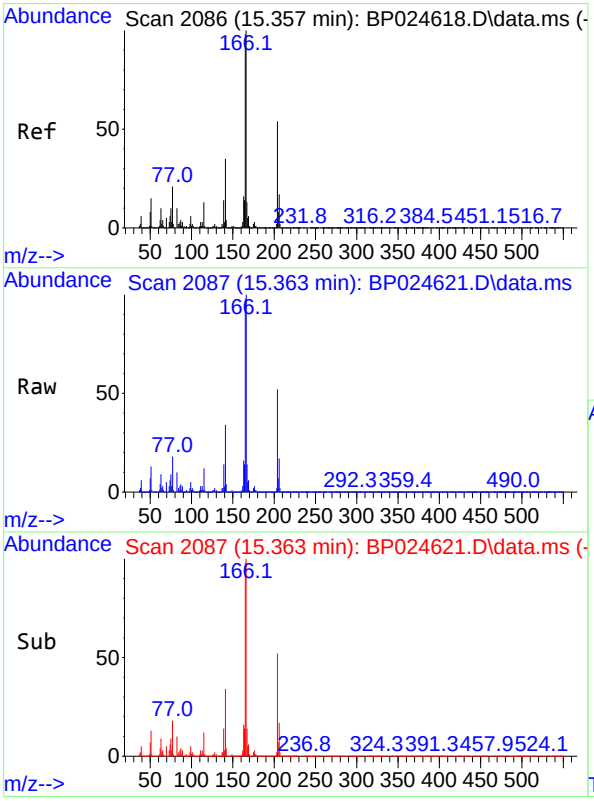
Ion	Ratio	Lower	Upper
165	100		
63	44.4	33.8	50.6
89	71.6	55.6	83.4
182	3.1	2.4	3.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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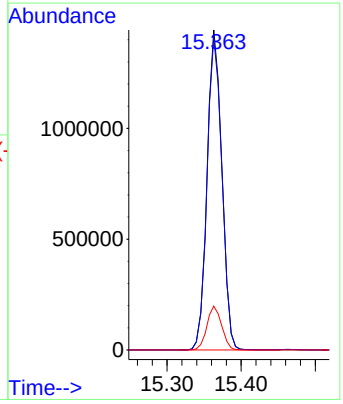
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

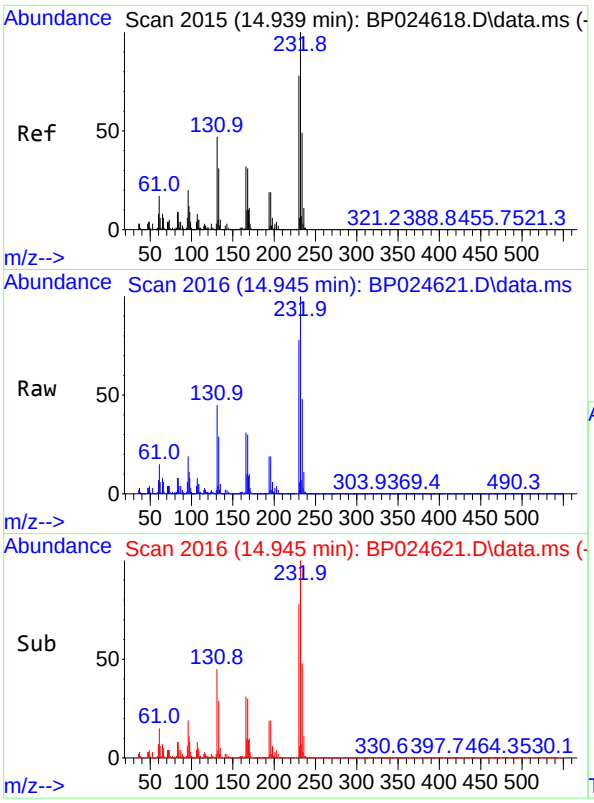


#58
Fluorene
Concen: 76.06 ng
RT: 15.363 min Scan# 2087
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:166 Resp: 2003709

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.5	117.7
167	13.7	10.7	16.1

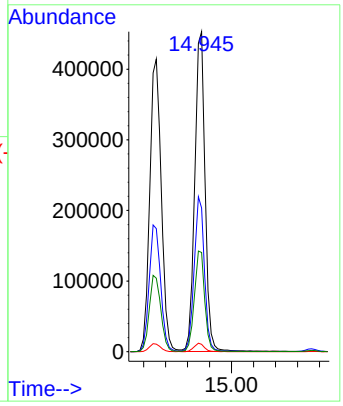




#59
2,3,4,6-Tetrachlorophenol
Concen: 81.17 ng
RT: 14.945 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:232 Resp: 58894

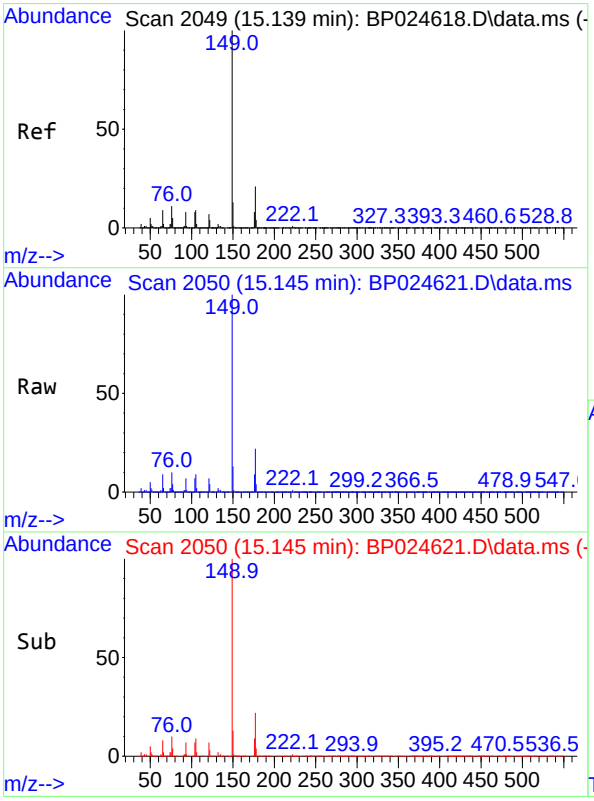
Ion	Ratio	Lower	Upper
232	100		
131	48.1	39.5	59.3
130	2.6	2.2	3.4
166	31.4	25.7	38.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

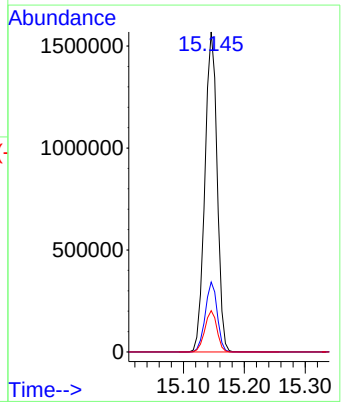
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

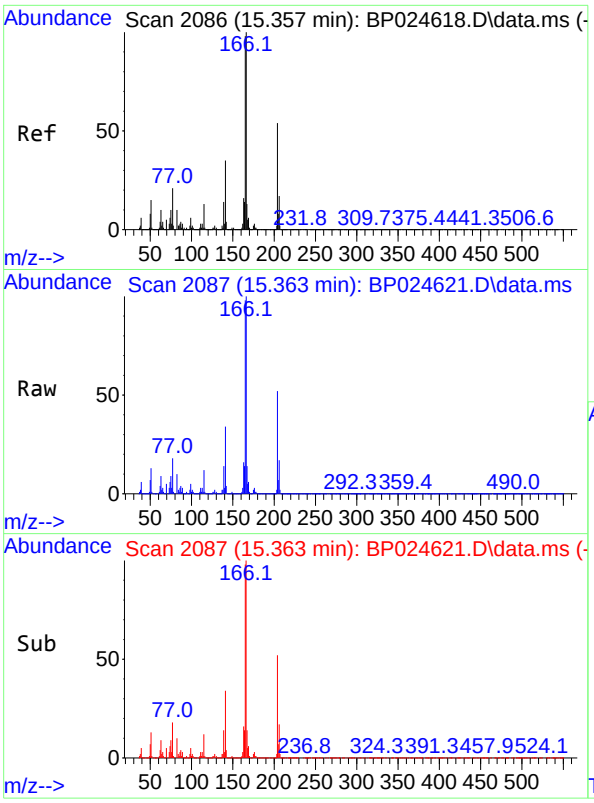


#60
Diethylphthalate
Concen: 76.22 ng
RT: 15.145 min Scan# 2050
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:149 Resp: 2193488

Ion	Ratio	Lower	Upper
149	100		
177	21.9	16.7	25.1
150	12.9	10.2	15.2





#61
4-Chlorophenyl-phenylether
Concen: 75.96 ng
RT: 15.363 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

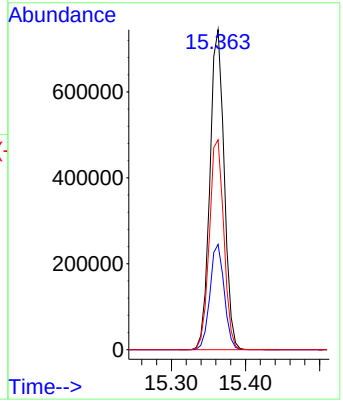
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

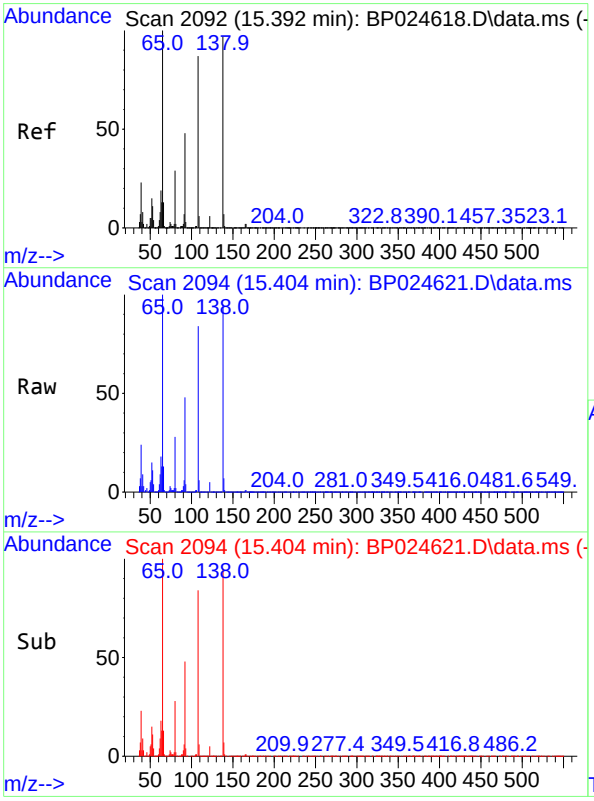
Tgt Ion:204 Resp: 99786

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.0	39.0
141	65.6	52.9	79.3

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

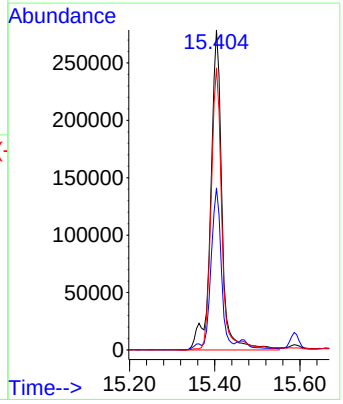


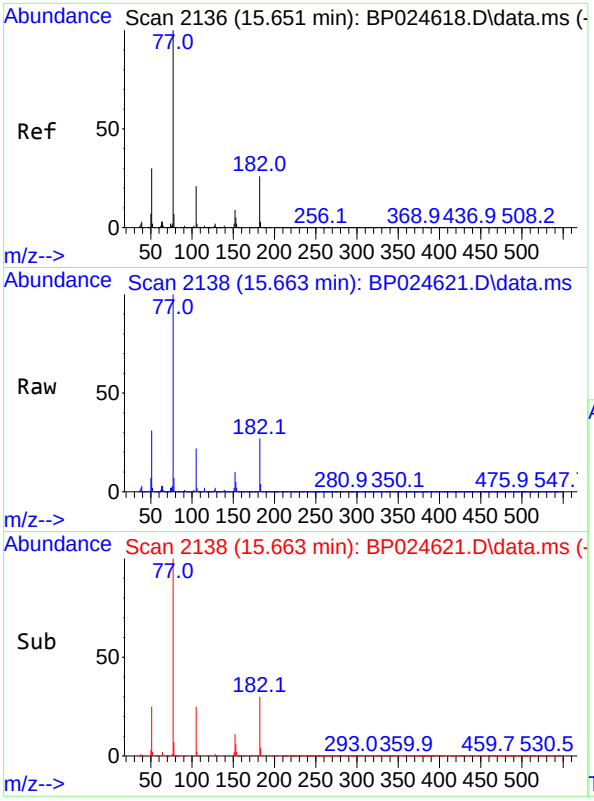


#62
4-Nitroaniline
Concen: 85.24 ng
RT: 15.404 min Scan# 2094
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:138 Resp: 509582

Ion	Ratio	Lower	Upper
138	100		
92	50.6	29.2	69.2
108	88.2	69.0	109.0

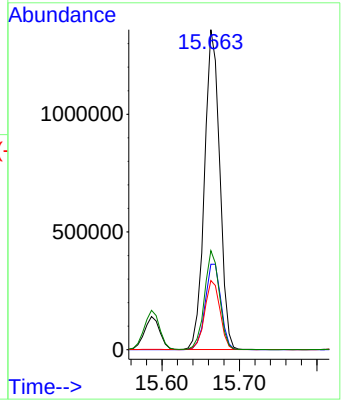




#63
Azobenzene
Concen: 75.47 ng
RT: 15.663 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 77 Resp: 185814

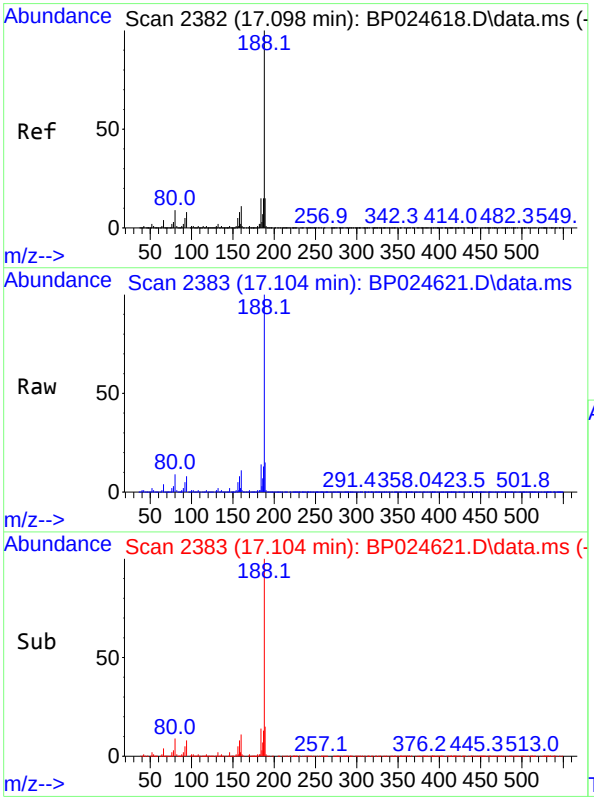
Ion	Ratio	Lower	Upper
77	100		
182	26.7	5.7	45.7
105	21.6	1.3	41.3
51	30.9	10.6	50.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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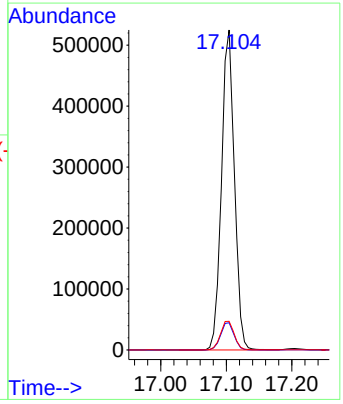
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

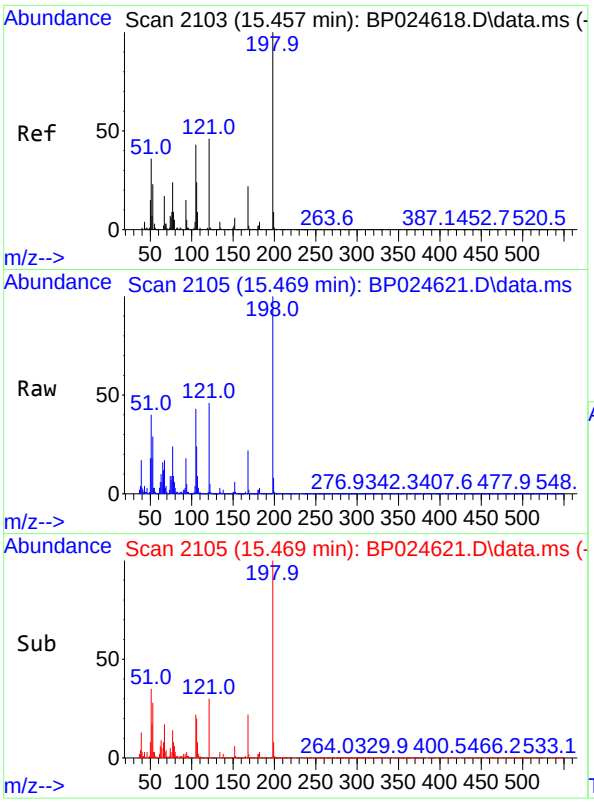


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.104 min Scan# 2383
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:188 Resp: 713479

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.5	9.7
80	9.0	7.3	10.9

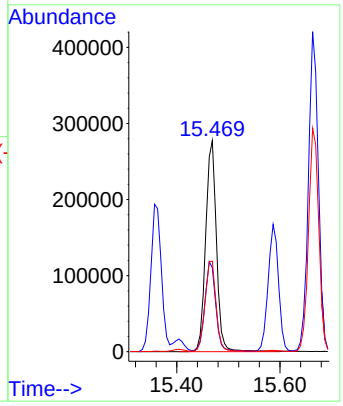




#65
4,6-Dinitro-2-methylphenol
Concen: 87.01 ng
RT: 15.469 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:198 Resp: 40101

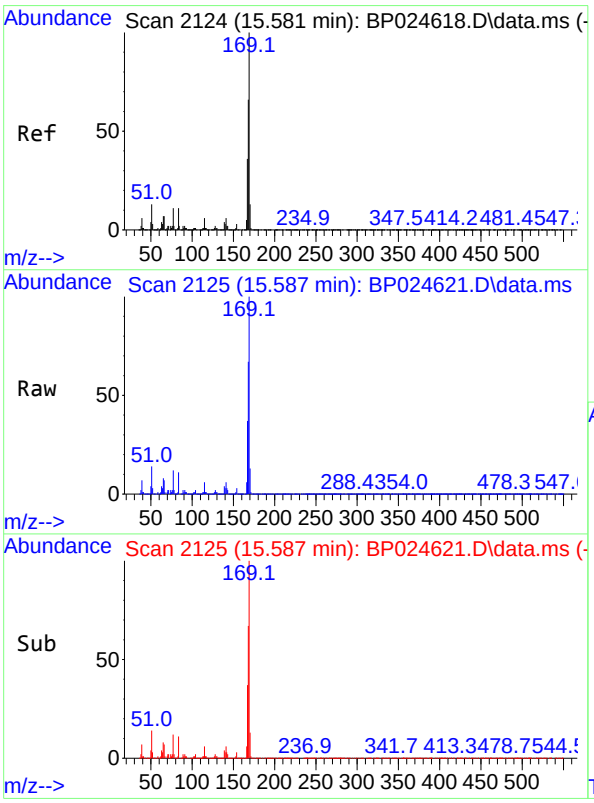
Ion	Ratio	Lower	Upper
198	100		
51	39.8	21.1	61.1
105	42.9	23.6	63.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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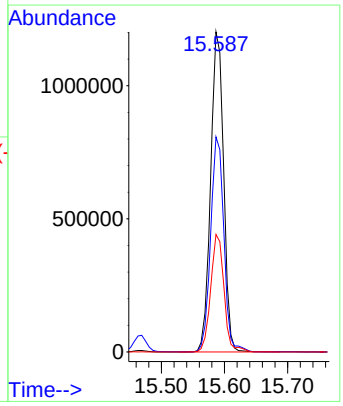
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

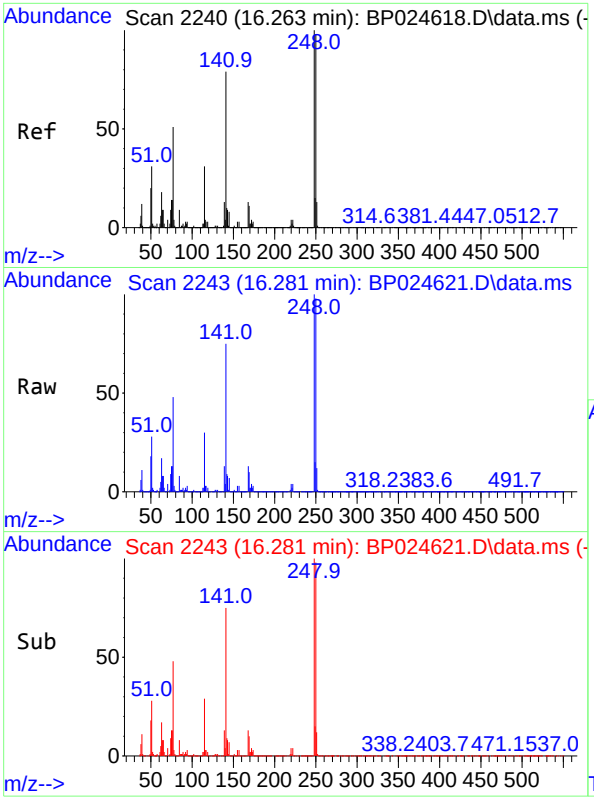


#66
n-Nitrosodiphenylamine
Concen: 78.10 ng
RT: 15.587 min Scan# 2125
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:169 Resp: 1711679

Ion	Ratio	Lower	Upper
169	100		
168	67.2	53.2	79.8
167	36.7	28.6	43.0





#67
4-Bromophenyl-phenylether
Concen: 81.43 ng
RT: 16.281 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

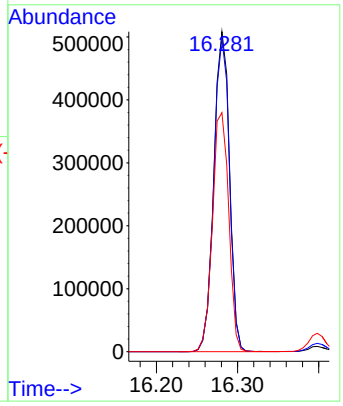
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

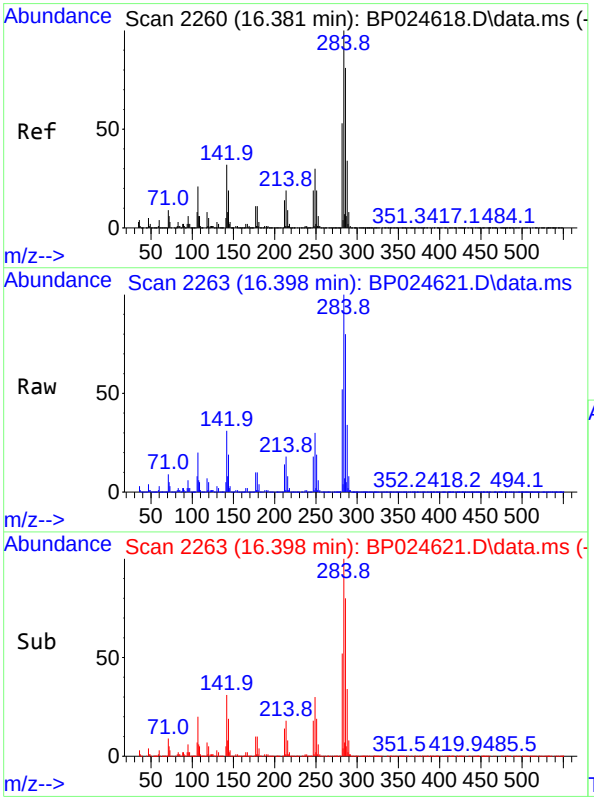
Tgt Ion:248 Resp: 68461

Ion	Ratio	Lower	Upper
248	100		
250	97.8	78.2	117.4
141	74.7	63.0	94.6

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

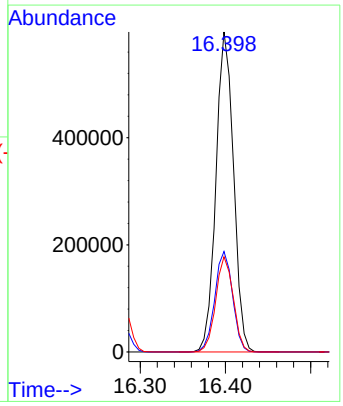


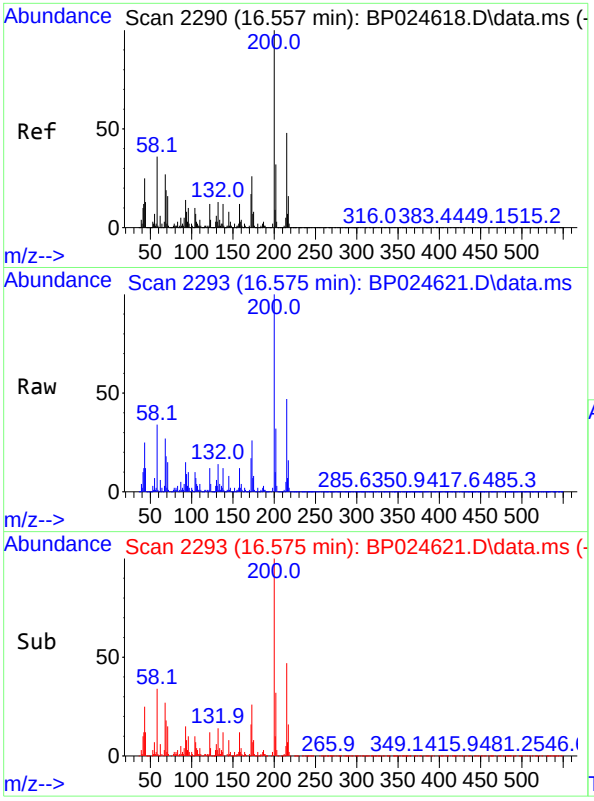


#68
Hexachlorobenzene
Concen: 80.18 ng
RT: 16.398 min Scan# 2263
Delta R.T. 0.018 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:284 Resp: 856547

Ion	Ratio	Lower	Upper
284	100		
142	31.4	25.9	38.9
249	29.7	24.1	36.1

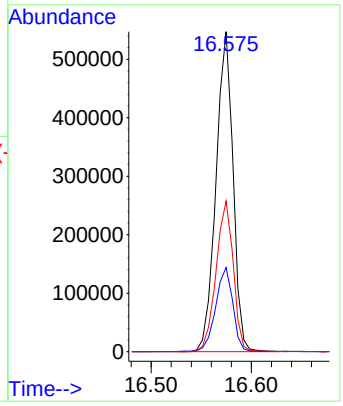




#69
Atrazine
Concen: 80.42 ng
RT: 16.575 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:200 Resp: 64587

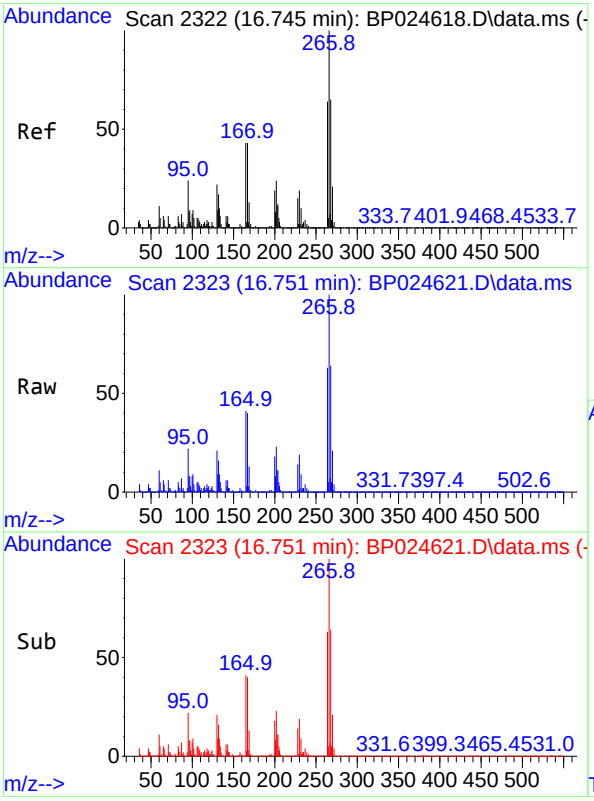
Ion	Ratio	Lower	Upper
200	100		
173	26.3	5.9	45.9
215	47.1	28.3	68.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

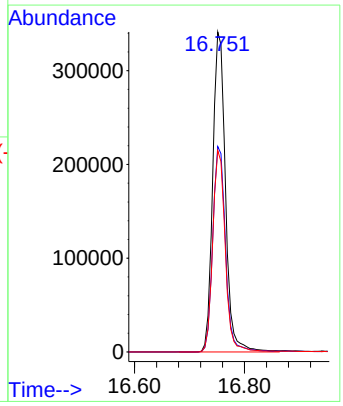
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

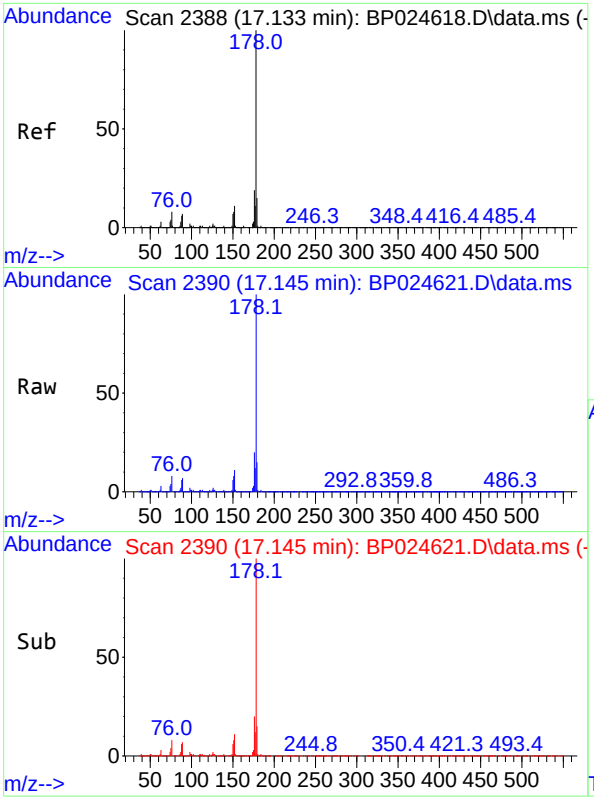


#70
Pentachlorophenol
Concen: 91.41 ng
RT: 16.751 min Scan# 2323
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:266 Resp: 548492

Ion	Ratio	Lower	Upper
266	100		
268	64.2	52.2	78.4
264	62.9	51.1	76.7

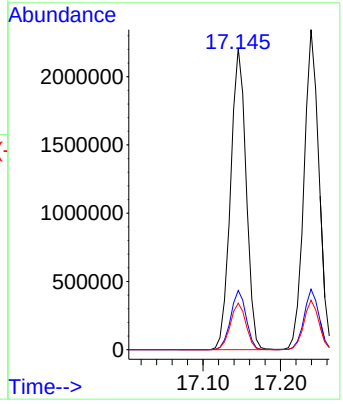




#71
Phenanthrene
Concen: 77.95 ng
RT: 17.145 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:178 Resp: 309166

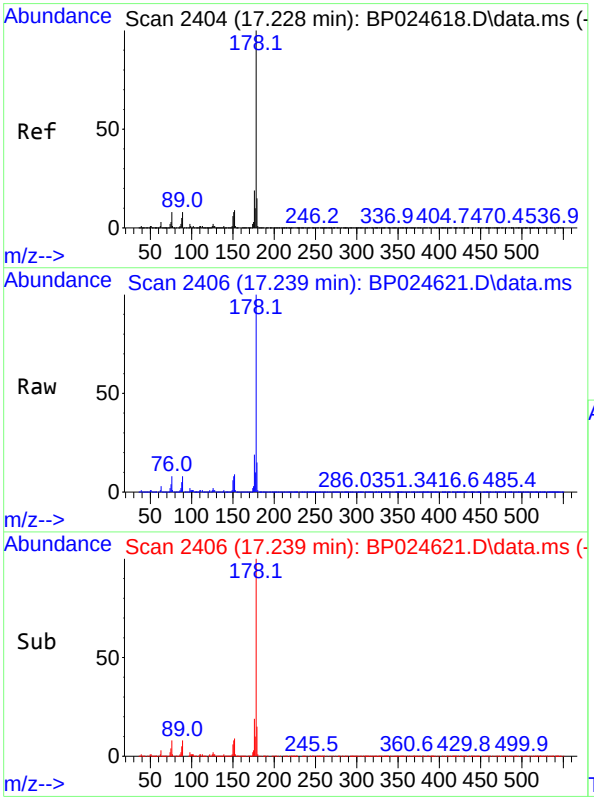
Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	15.4	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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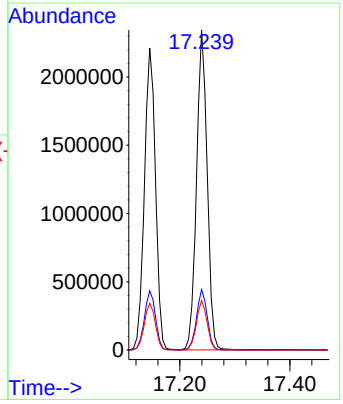
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

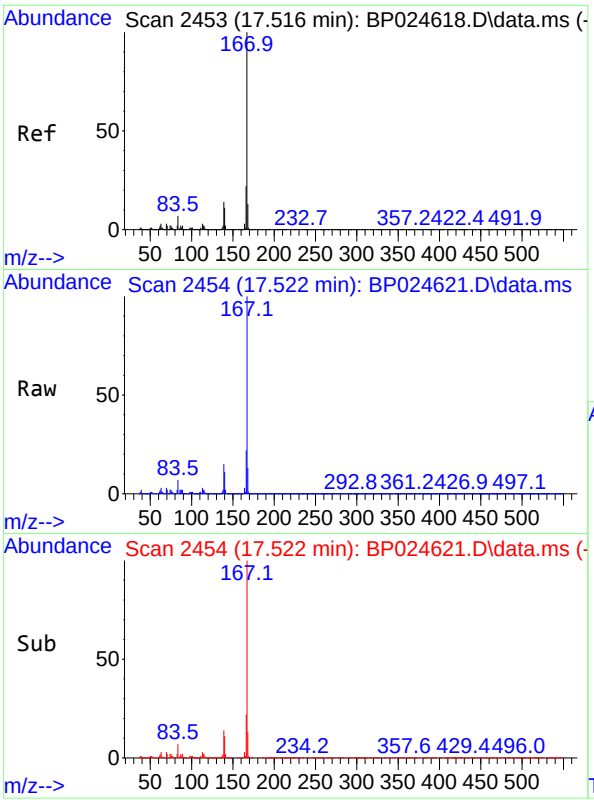


#72
Anthracene
Concen: 79.23 ng
RT: 17.239 min Scan# 2406
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:178 Resp: 3161669

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.5	12.2	18.2

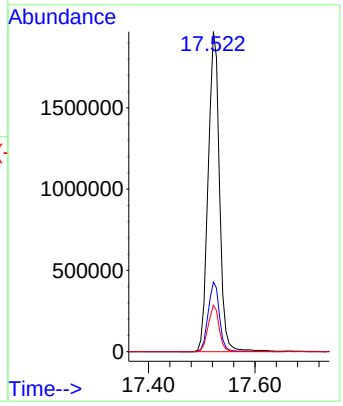




#73
Carbazole
Concen: 80.08 ng
RT: 17.522 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:167 Resp: 289223

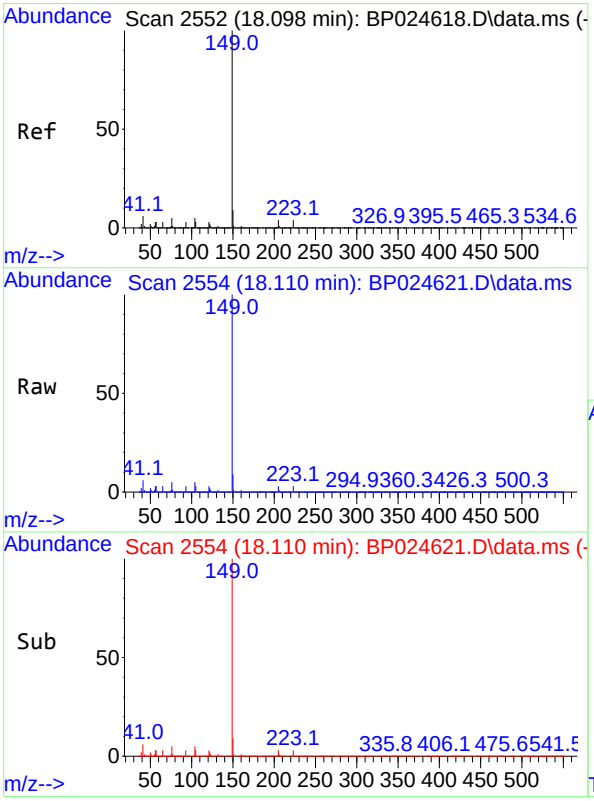
Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.7	26.5
139	14.5	11.3	16.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

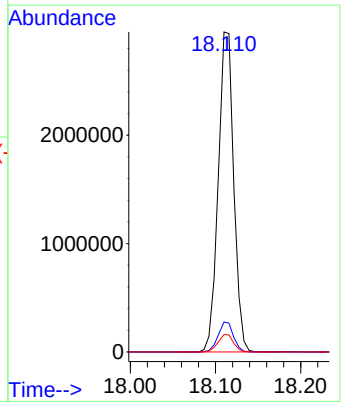
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

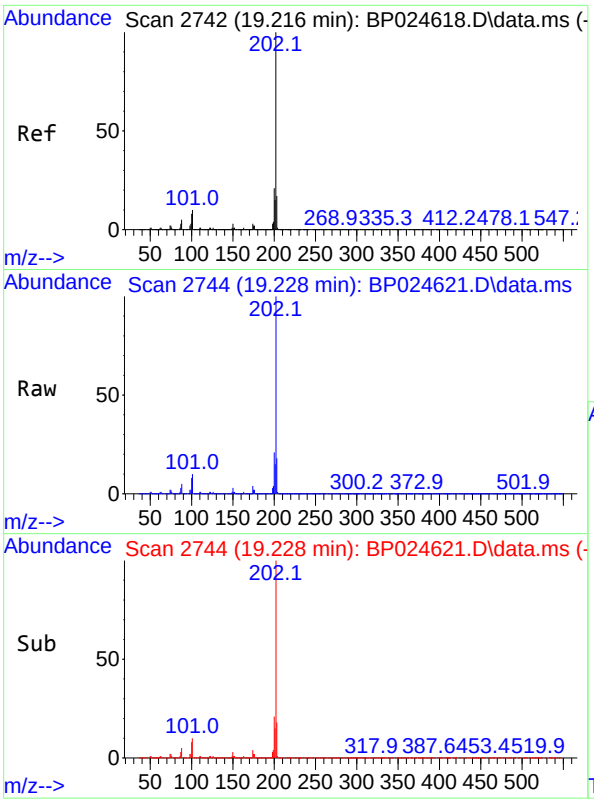


#74
Di-n-butylphthalate
Concen: 80.68 ng
RT: 18.110 min Scan# 2554
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:149 Resp: 3747927

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.2	10.8
104	5.5	4.3	6.5

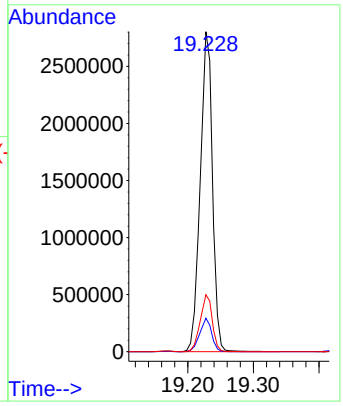




#75
Fluoranthene
Concen: 78.27 ng
RT: 19.228 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:202 Resp: 362908

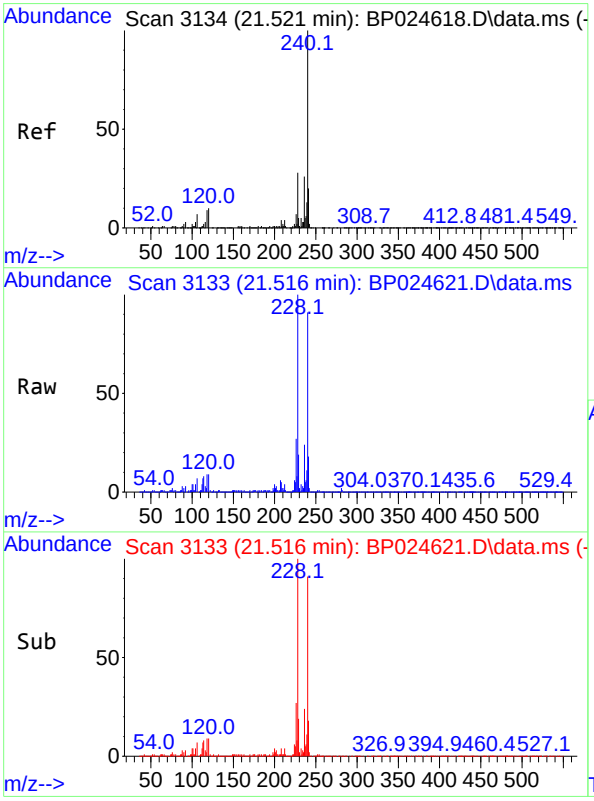
Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	30.3
203	17.8	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

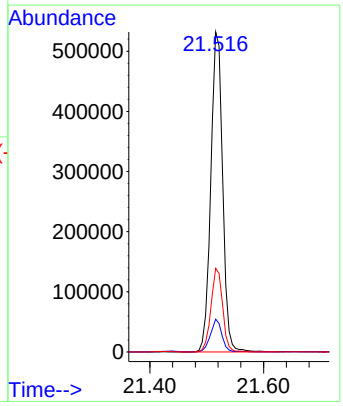
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

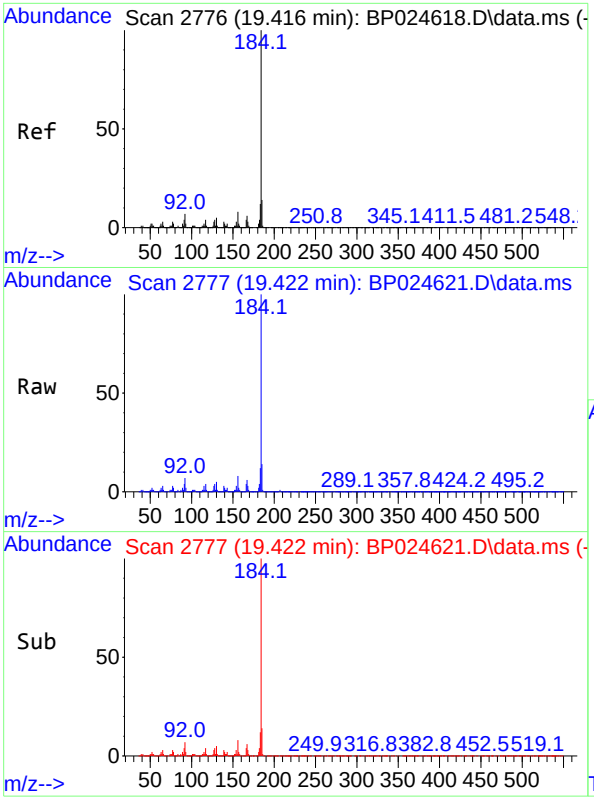


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.516 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:240 Resp: 765954

Ion	Ratio	Lower	Upper
240	100		
120	10.3	7.8	11.6
236	26.2	20.6	31.0

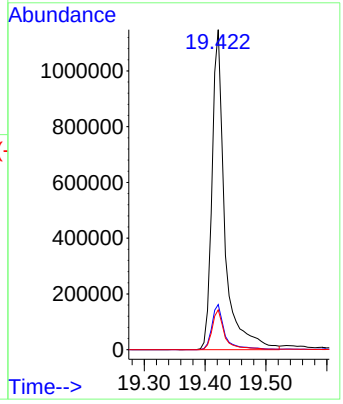




#77
Benzidine
Concen: 79.83 ng
RT: 19.422 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:184 Resp: 167850

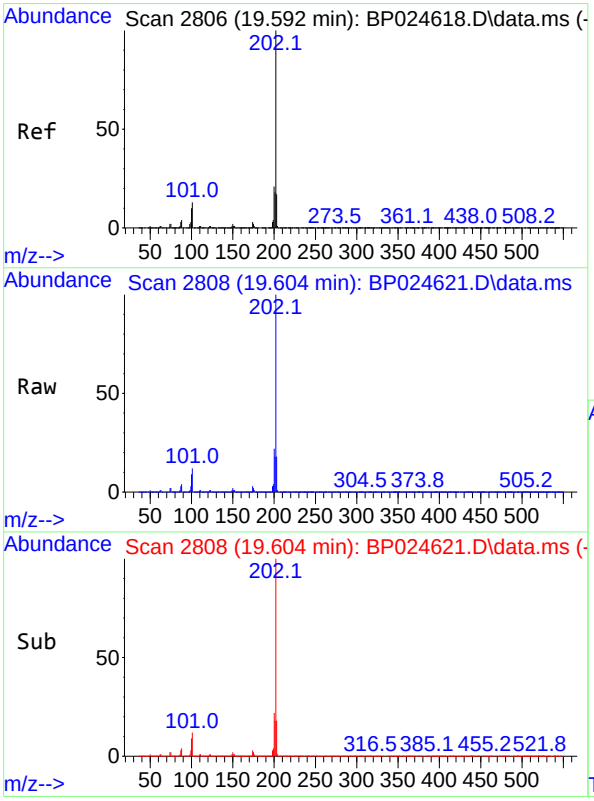
Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.2	16.8
183	12.4	9.8	14.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

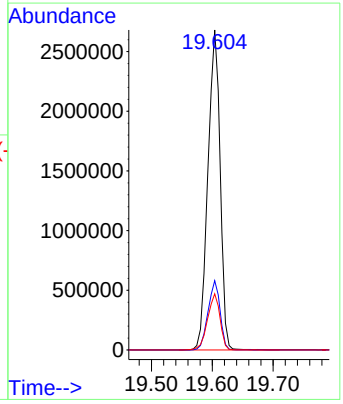
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

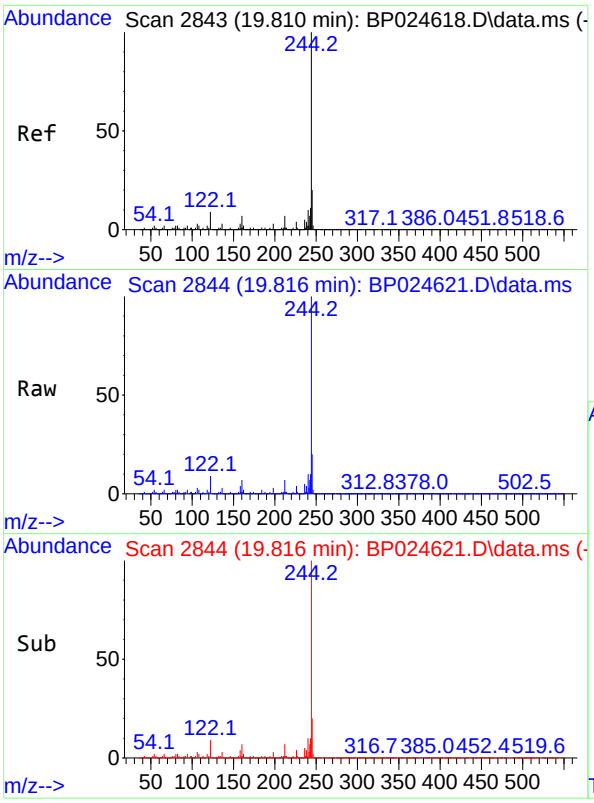


#78
Pyrene
Concen: 81.65 ng
RT: 19.604 min Scan# 2808
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:202 Resp: 3747276

Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.9	25.3
203	17.6	13.9	20.9

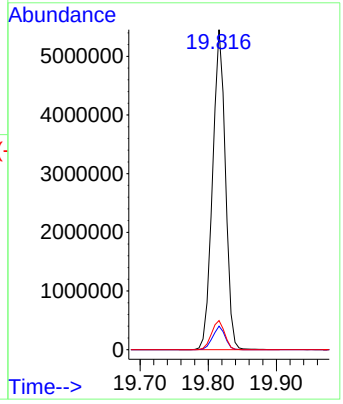




#79
Terphenyl-d14
Concen: 160.11 ng
RT: 19.816 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:244 Resp: 715225

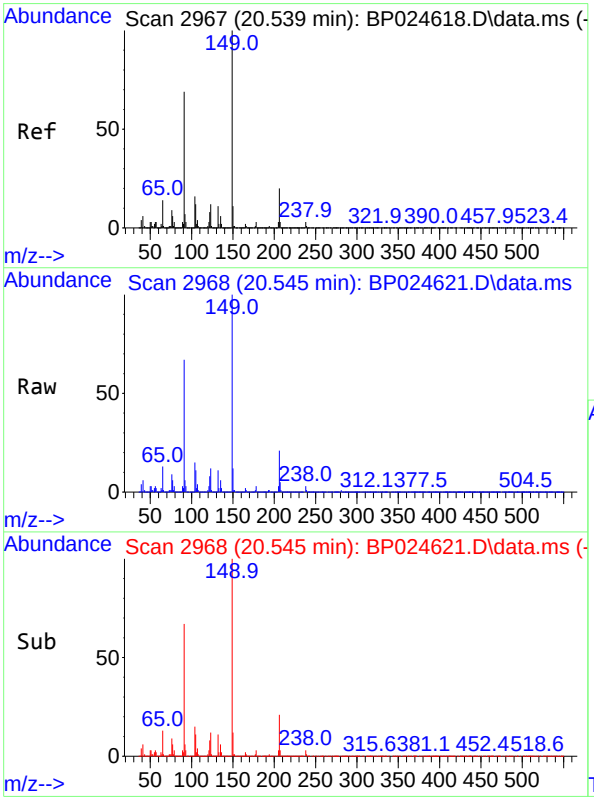
Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.5	8.3
122	9.1	7.4	11.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

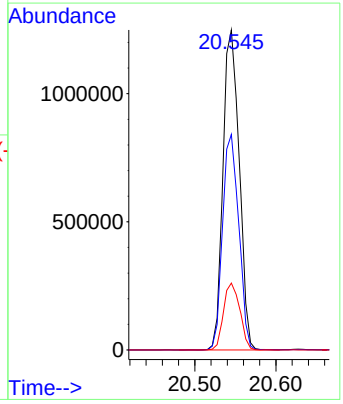
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

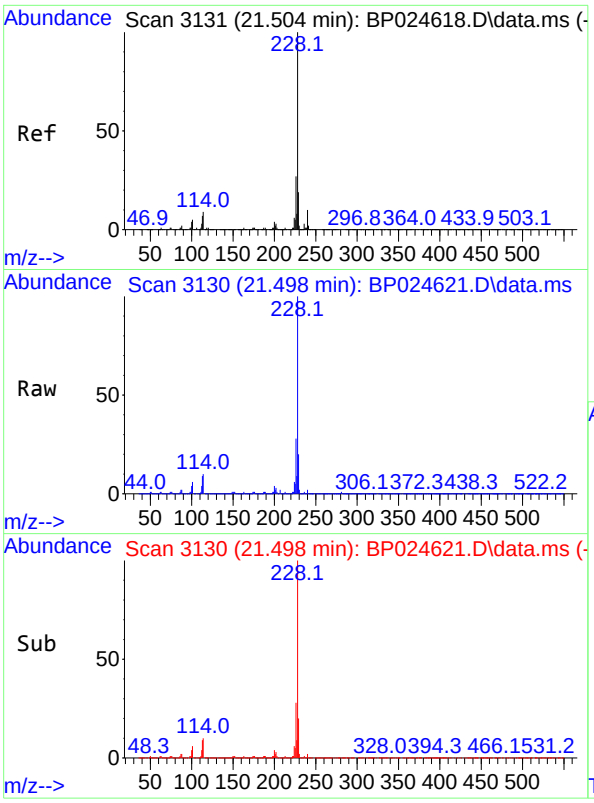


#80
Butylbenzylphthalate
Concen: 85.34 ng
RT: 20.545 min Scan# 2968
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:149 Resp: 1741954

Ion	Ratio	Lower	Upper
149	100		
91	67.3	55.4	83.0
206	20.9	16.2	24.2

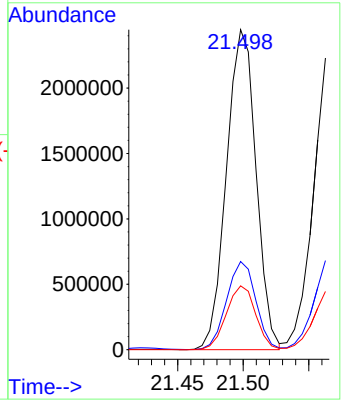




#81
Benzo(a)anthracene
Concen: 79.63 ng
RT: 21.498 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:228 Resp: 382978

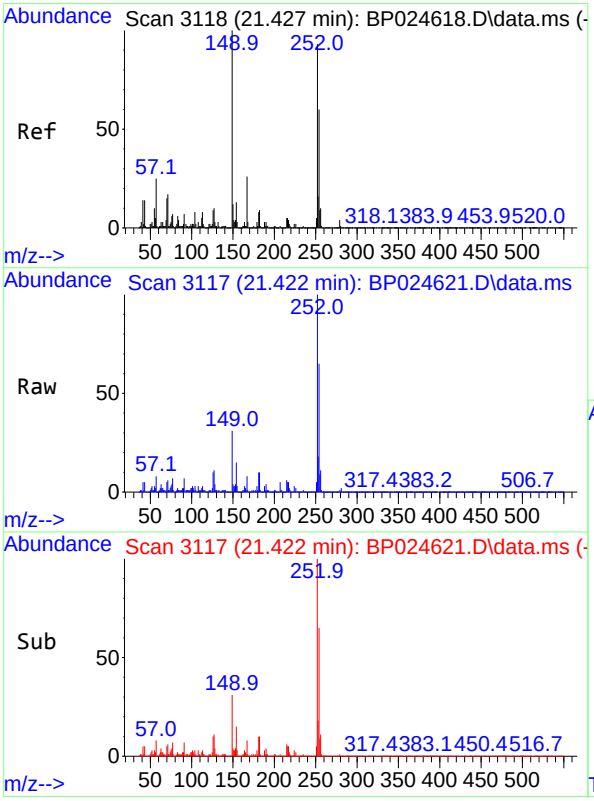
Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.4	32.0
229	19.9	15.5	23.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

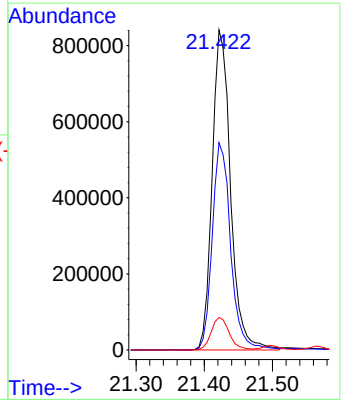
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

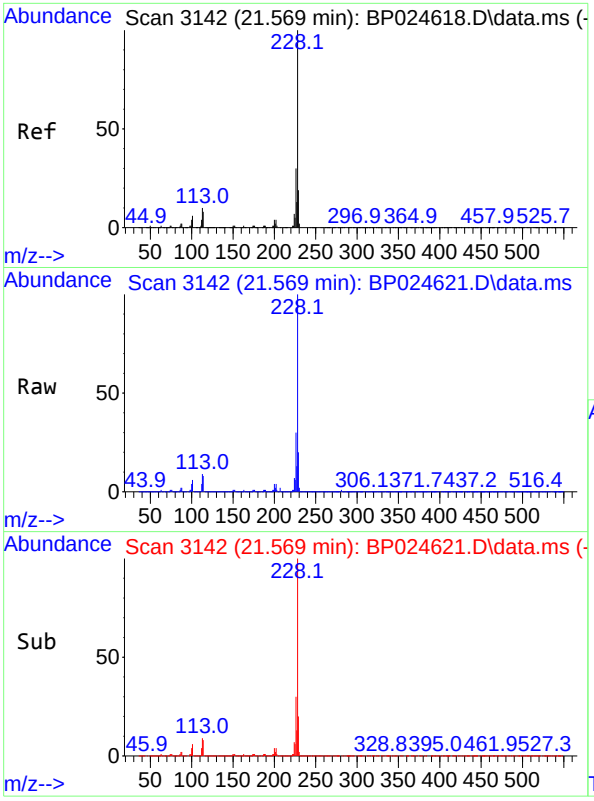


#82
3,3'-Dichlorobenzidine
Concen: 88.21 ng
RT: 21.422 min Scan# 3117
Delta R.T. -0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:252 Resp: 1575691

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.8	77.6
126	10.2	7.7	11.5

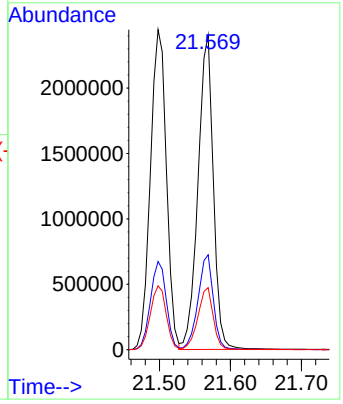




#83
Chrysene
Concen: 79.29 ng
RT: 21.569 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:228 Resp: 361501

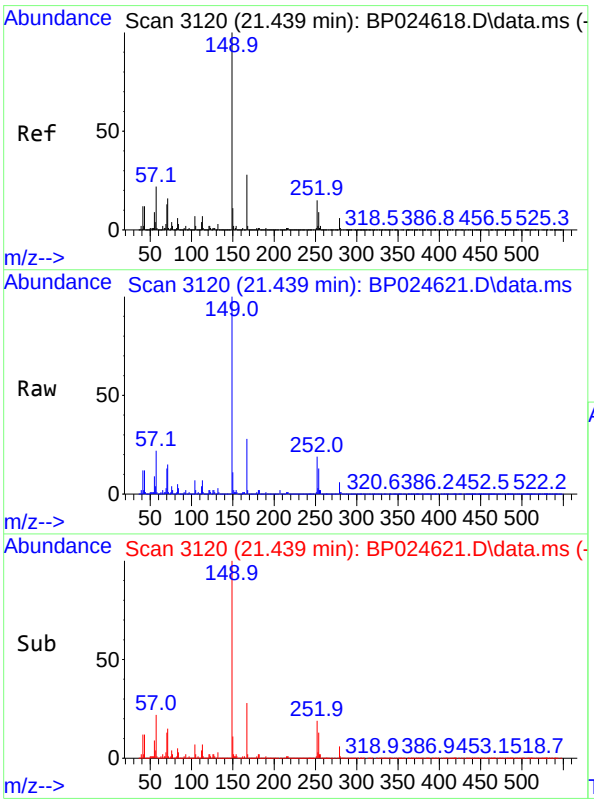
Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.9	35.9
229	19.7	15.5	23.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

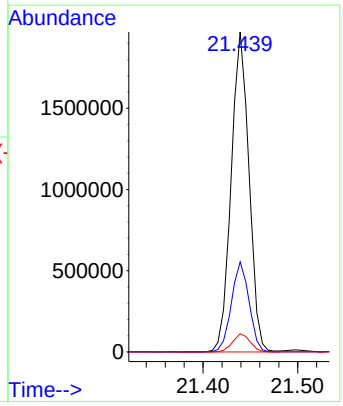
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

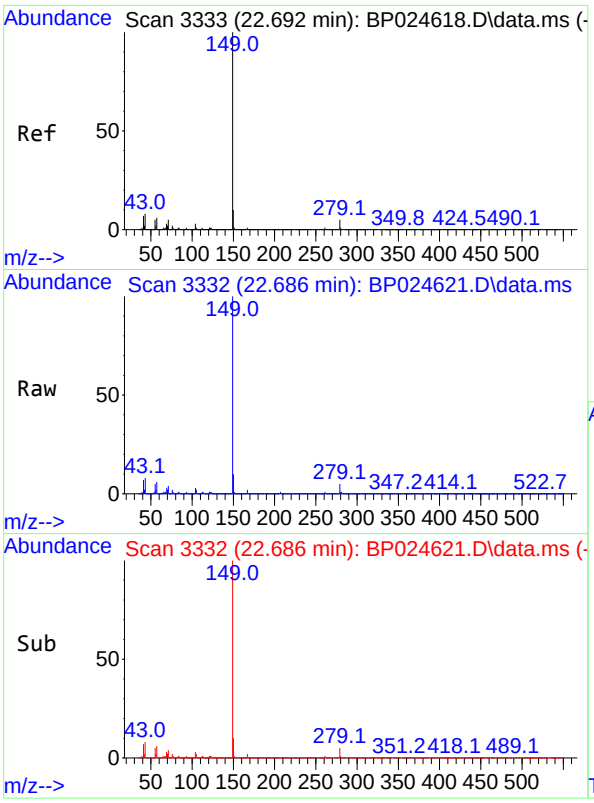


#84
Bis(2-ethylhexyl)phthalate
Concen: 85.91 ng
RT: 21.439 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:149 Resp: 2577445

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.1	33.1
279	5.7	4.6	6.8

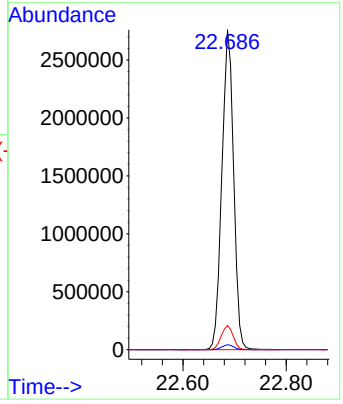




#85
Di-n-octyl phthalate
Concen: 88.50 ng
RT: 22.686 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:149 Resp: 434165

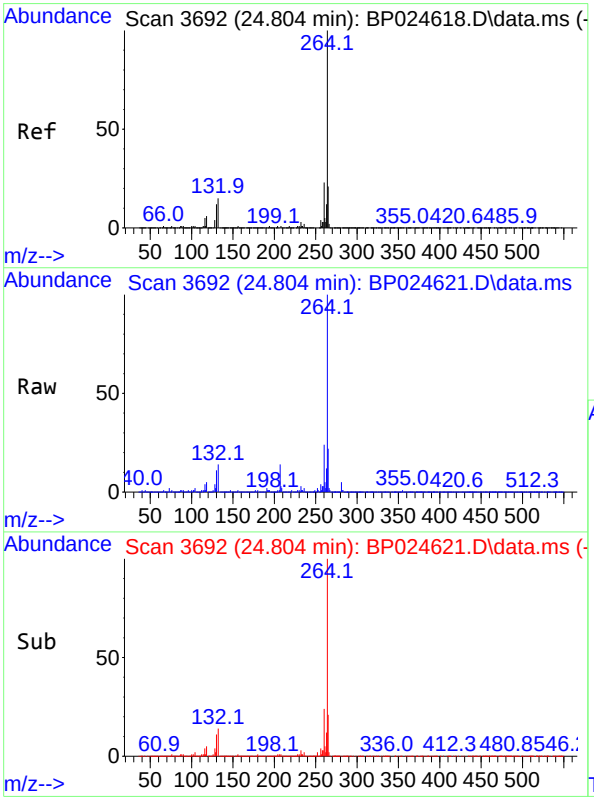
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.6	6.3	9.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

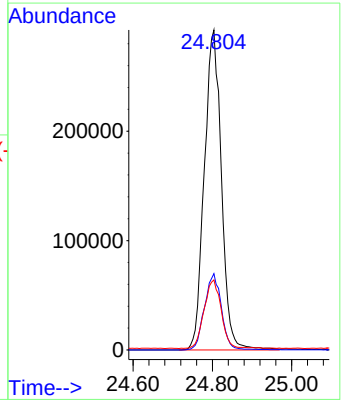
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

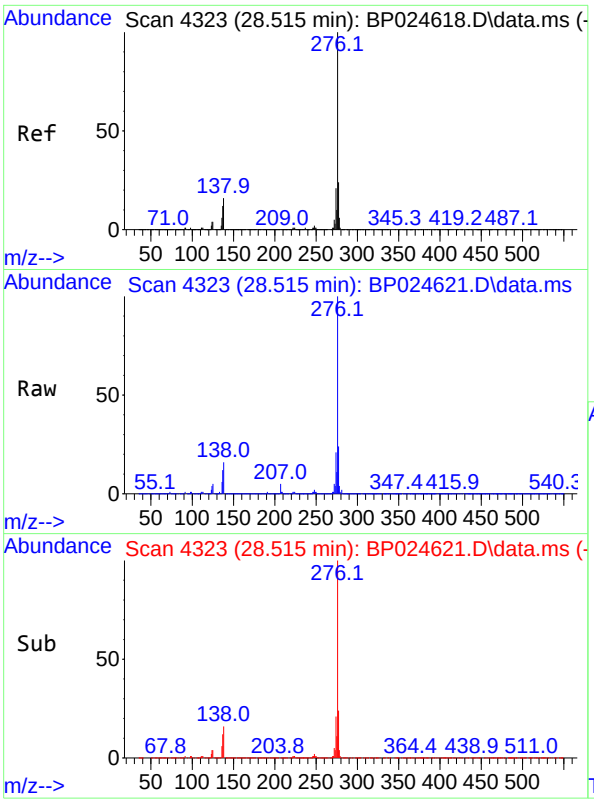


#86
Perylene-d12
Concen: 20.00 ng
RT: 24.804 min Scan# 3692
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:264 Resp: 877352

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	21.9	17.0	25.6

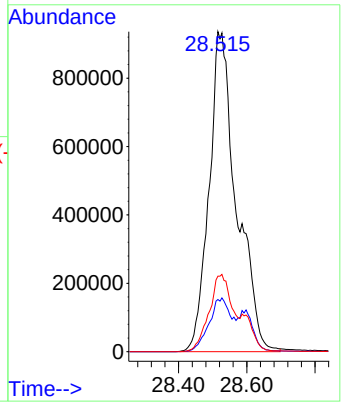




#87
Indeno(1,2,3-cd)pyrene
Concen: 81.85 ng m
RT: 28.515 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:276 Resp: 524399

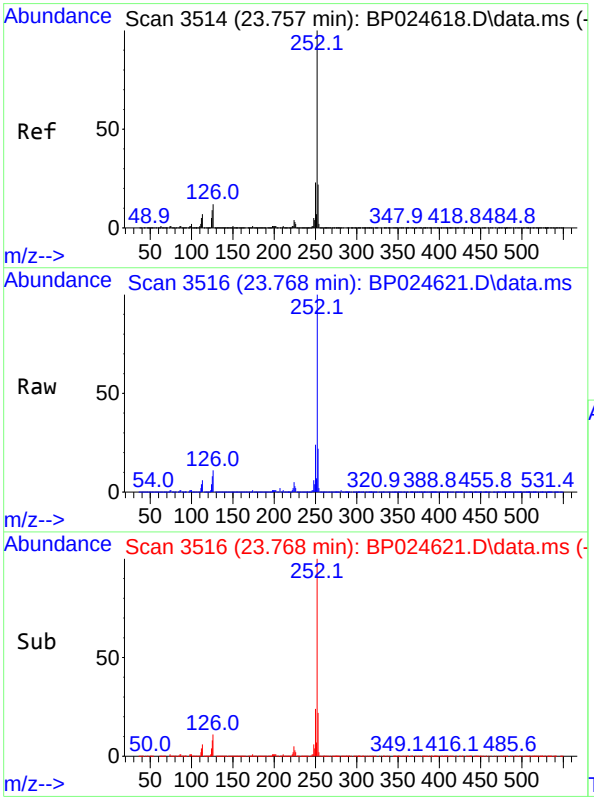
Ion	Ratio	Lower	Upper
276	100		
138	13.7	11.2	16.8
277	20.5	15.7	23.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

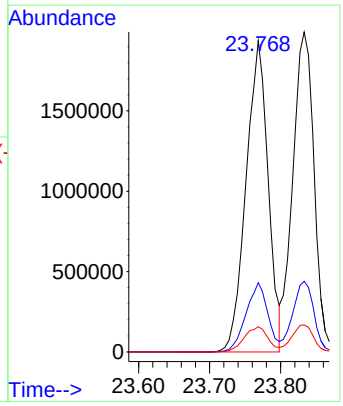
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

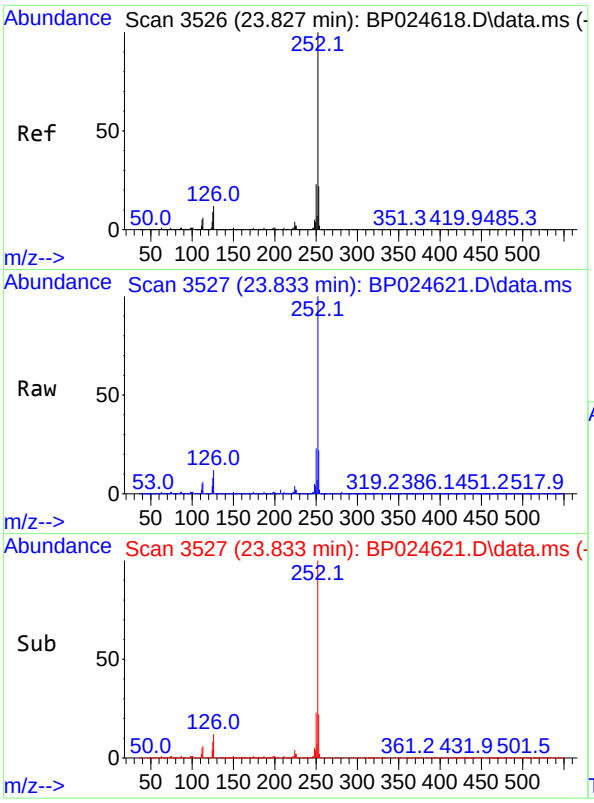


#88
Benzo(b)fluoranthene
Concen: 83.11 ng
RT: 23.768 min Scan# 3516
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:252 Resp: 4173798

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	8.2	7.5	11.3

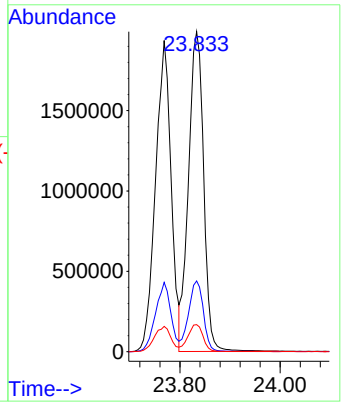




#89
Benzo(k)fluoranthene
Concen: 80.40 ng
RT: 23.833 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:252 Resp: 416026

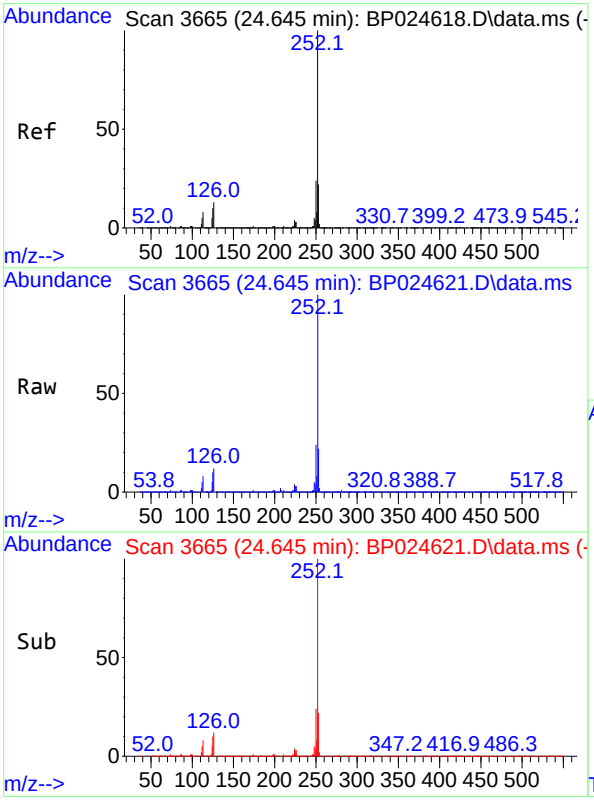
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	8.5	7.0	10.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

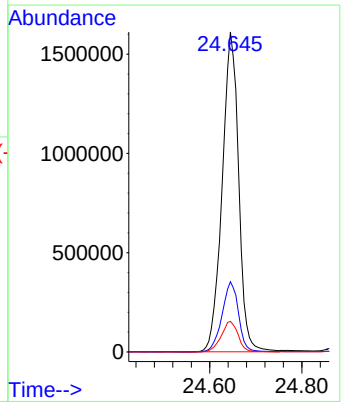
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

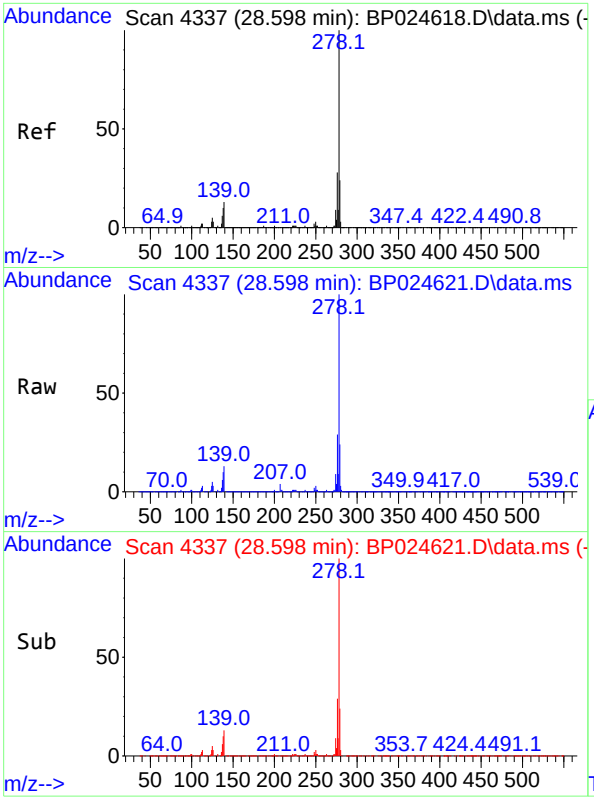


#90
Benzo(a)pyrene
Concen: 82.69 ng
RT: 24.645 min Scan# 3665
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:252 Resp: 3988360

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	9.5	8.1	12.1

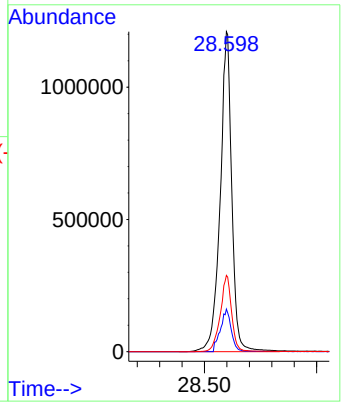




#91
Dibenzo(a,h)anthracene
Concen: 83.26 ng
RT: 28.598 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:278 Resp: 433851

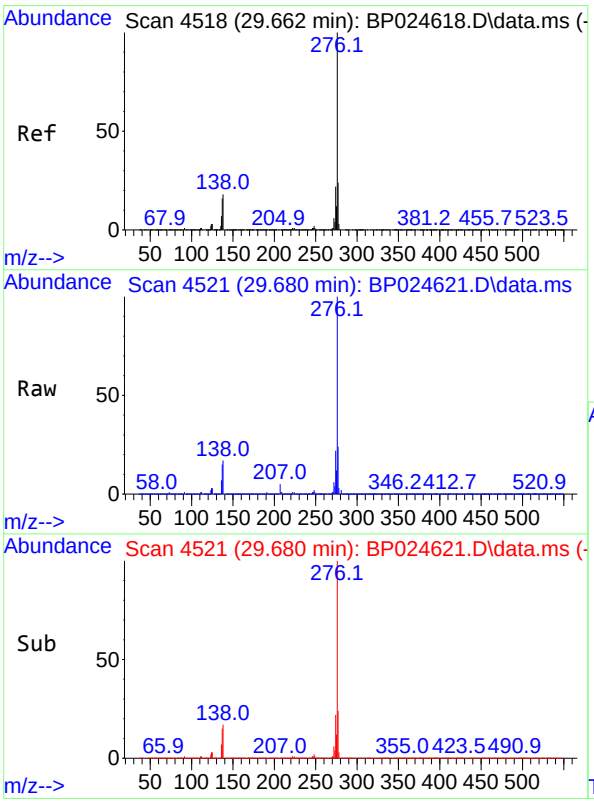
Ion	Ratio	Lower	Upper
278	100		
139	13.3	10.2	15.4
279	23.9	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

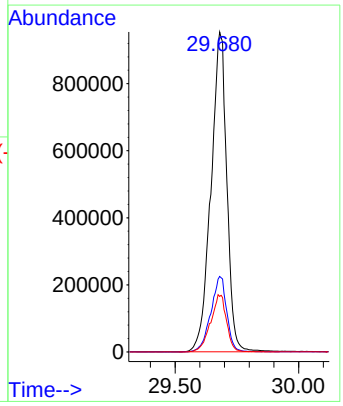
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025



#92
Benzo(g,h,i)perylene
Concen: 82.08 ng
RT: 29.680 min Scan# 4521
Delta R.T. 0.018 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:276 Resp: 4253459

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.4
138	17.3	14.4	21.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations APPROVED

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

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.657	152	144423	20.00	ng	0.00
21) Naphthalene-d8	10.434	136	621777	20.00	ng	0.00
39) Acenaphthene-d10	14.292	164	391112	20.00	ng	-0.01
64) Phenanthrene-d10	17.092	188	780511	20.00	ng	0.00
76) Chrysene-d12	21.521	240	868822	20.00	ng	0.00
86) Perylene-d12	24.815	264	1015341	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	658249	77.95	ng	0.00
7) Phenol-d6	6.852	99	852330	79.09	ng	0.00
23) Nitrobenzene-d5	8.810	82	962660	78.23	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	520660	78.53	ng	0.00
45) 2-Fluorobiphenyl	12.904	172	2290715	76.73	ng	0.00
79) Terphenyl-d14	19.822	244	3889002	76.75	ng	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.222	88	145871	36.79	ng	99
3) Pyridine	3.622	79	347515	39.53	ng	97
4) n-Nitrosodimethylamine	3.528	42	147412	37.98	ng	98
6) Aniline	6.999	93	545556	39.21	ng	100
8) 2-Chlorophenol	7.234	128	377358	39.37	ng	97
9) Benzaldehyde	6.816	77	272303	39.03	ng	99
10) Phenol	6.881	94	434788	39.09	ng	99
11) bis(2-Chloroethyl)ether	7.093	93	346744	37.94	ng	99
12) 1,3-Dichlorobenzene	7.552	146	417899	37.89	ng	98
13) 1,4-Dichlorobenzene	7.699	146	420432	37.90	ng	99
14) 1,2-Dichlorobenzene	8.010	146	409587	37.90	ng	99
15) Benzyl Alcohol	7.904	79	332015	40.54	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.181	45	416339	38.04	ng	99
17) 2-Methylphenol	8.110	107	316066	39.62	ng	99
18) Hexachloroethane	8.728	117	158167	37.21	ng	99
19) n-Nitroso-di-n-propyla...	8.463	70	291961	39.16	ng	99
20) 3+4-Methylphenols	8.434	107	429326	39.56	ng	99
22) Acetophenone	8.475	105	597464	38.47	ng	99
24) Nitrobenzene	8.851	77	416985	38.50	ng	96
25) Isophorone	9.375	82	821637	38.49	ng	99
26) 2-Nitrophenol	9.557	139	218211	41.12	ng	95
27) 2,4-Dimethylphenol	9.622	122	369418	39.48	ng	100
28) bis(2-Chloroethoxy)met...	9.851	93	493722	38.71	ng	100
29) 2,4-Dichlorophenol	10.093	162	364373	40.19	ng	97
30) 1,2,4-Trichlorobenzene	10.298	180	389362	38.11	ng	98
31) Naphthalene	10.481	128	1226624	38.07	ng	100
32) Benzoic acid	9.781	122	223660	36.46	ng	98
33) 4-Chloroaniline	10.598	127	524873	40.37	ng	99
34) Hexachlorobutadiene	10.763	225	246776	37.29	ng	98
35) Caprolactam	11.387	113	130399	39.75	ng	99
36) 4-Chloro-3-methylphenol	11.740	107	431344	39.01	ng	100
37) 2-Methylnaphthalene	12.098	142	789724	37.85	ng	99
38) 1-Methylnaphthalene	12.316	142	833521	37.34	ng	100
40) 1,2,4,5-Tetrachloroben...	12.469	216	444420	39.13	ng	100
41) Hexachlorocyclopentadiene	12.445	237	305575	44.37	ng	98
43) 2,4,6-Trichlorophenol	12.716	196	305651	41.55	ng	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations APPROVED

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

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.798	196	336252	41.06	ng	97
46) 1,1'-Biphenyl	13.116	154	1124669	38.91	ng	99
47) 2-Chloronaphthalene	13.157	162	864853	39.24	ng	98
48) 2-Nitroaniline	13.369	65	264965	40.60	ng	97
49) Acenaphthylene	14.010	152	1419821	38.49	ng	100
50) Dimethylphthalate	13.751	163	1155211	38.75	ng	99
51) 2,6-Dinitrotoluene	13.875	165	247537	39.32	ng	99
52) Acenaphthene	14.357	154	803755	37.90	ng	99
53) 3-Nitroaniline	14.210	138	262737	40.87	ng	100
54) 2,4-Dinitrophenol	14.428	184	135624	37.83	ng	96
55) Dibenzofuran	14.698	168	1282228	37.91	ng	99
56) 4-Nitrophenol	14.545	139	202528	38.70	ng	97
57) 2,4-Dinitrotoluene	14.675	165	354817	39.97	ng	99
58) Fluorene	15.357	166	1059642	38.42	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.934	232	298327	39.27	ng	99
60) Diethylphthalate	15.134	149	1150091	38.17	ng	100
61) 4-Chlorophenyl-phenyle...	15.357	204	526066	38.25	ng	99
62) 4-Nitroaniline	15.398	138	265185	42.72	ng	98
63) Azobenzene	15.657	77	1000653	38.82	ng	98
65) 4,6-Dinitro-2-methylph...	15.451	198	203200	40.30	ng	98
66) n-Nitrosodiphenylamine	15.575	169	920187	38.38	ng	100
67) 4-Bromophenyl-phenylether	16.269	248	357846	38.91	ng	97
68) Hexachlorobenzene	16.386	284	446142	38.18	ng	99
69) Atrazine	16.551	200	347661	39.57	ng	99
70) Pentachlorophenol	16.739	266	269781	41.12	ng	99
71) Phenanthrene	17.133	178	1629118	37.55	ng	99
72) Anthracene	17.228	178	1669395	38.24	ng	100
73) Carbazole	17.510	167	1563685	39.57	ng	99
74) Di-n-butylphthalate	18.098	149	1978741	38.94	ng	100
75) Fluoranthene	19.222	202	1956043	38.57	ng	100
77) Benzidine	19.422	184	1023514	43.25	ng	99
78) Pyrene	19.604	202	1992845	38.28	ng	100
80) Butylbenzylphthalate	20.557	149	938210	40.52	ng	96
81) Benzo(a)anthracene	21.510	228	2121561	38.89	ng	99
82) 3,3'-Dichlorobenzidine	21.433	252	861323	42.51	ng	100
83) Chrysene	21.574	228	1976940	38.23	ng	99
84) Bis(2-ethylhexyl)phtha...	21.445	149	1375919	40.43	ng	100
85) Di-n-octyl phthalate	22.698	149	2321673	41.72	ng	100
87) Indeno(1,2,3-cd)pyrene	28.515	276	2879864m	38.85	ng	
88) Benzo(b)fluoranthene	23.768	252	2283322	39.29	ng	100
89) Benzo(k)fluoranthene	23.833	252	2289000	38.22	ng	100
90) Benzo(a)pyrene	24.668	252	2177020	39.00	ng	99
91) Dibenzo(a,h)anthracene	28.615	278	2374558	39.38	ng	100
92) Benzo(g,h,i)perylene	29.686	276	2333151	38.91	ng	100

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

ICAL Form

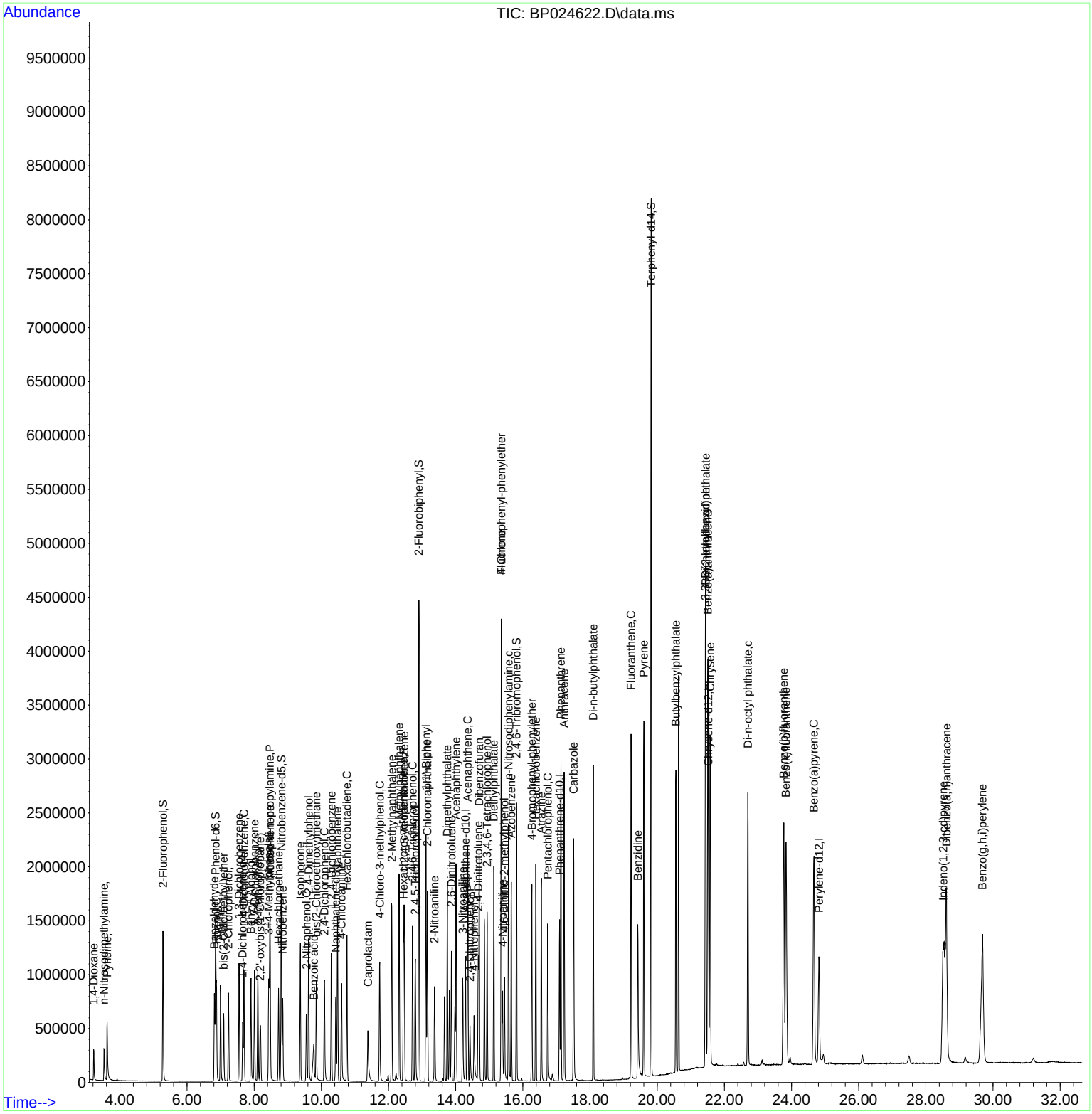
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Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

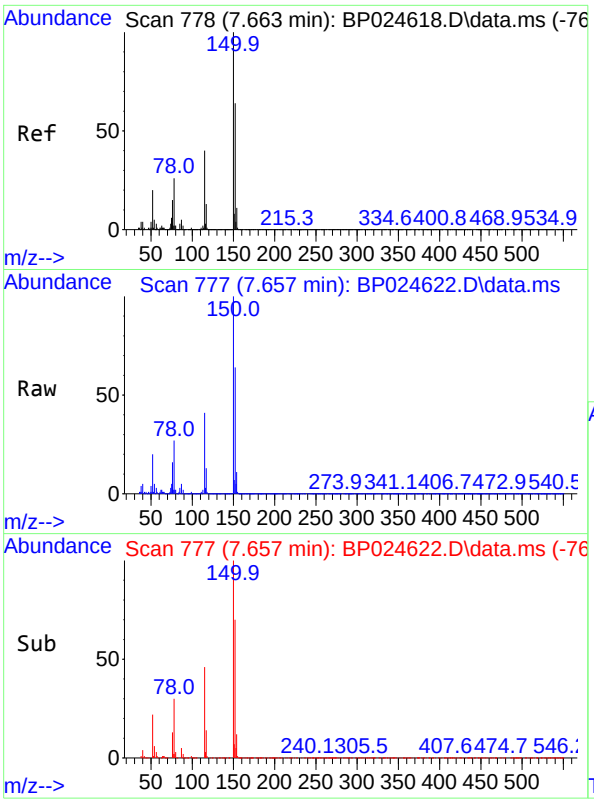
Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations APPROVED

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

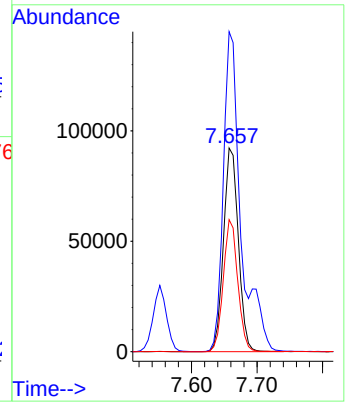




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:152 Resp: 14442

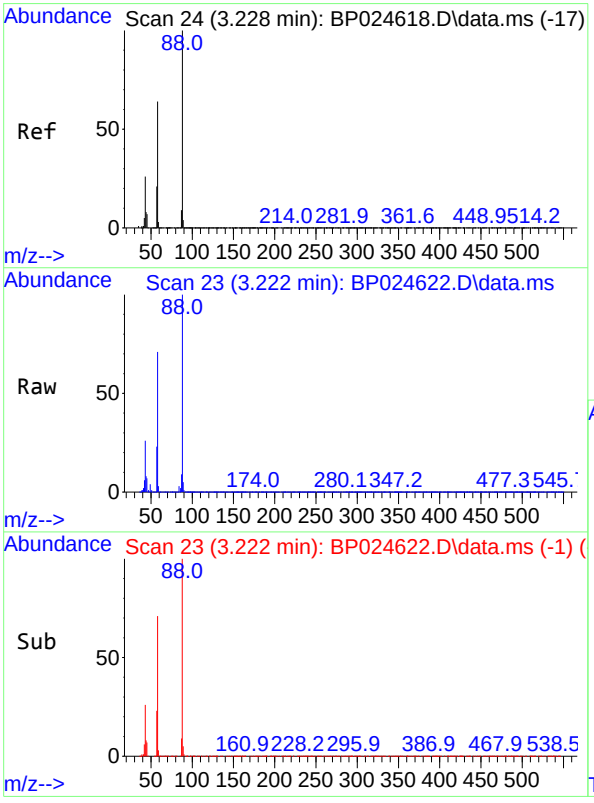
Ion	Ratio	Lower	Upper
152	100		
150	157.1	125.9	188.9
115	64.8	50.1	75.1



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations
APPROVED

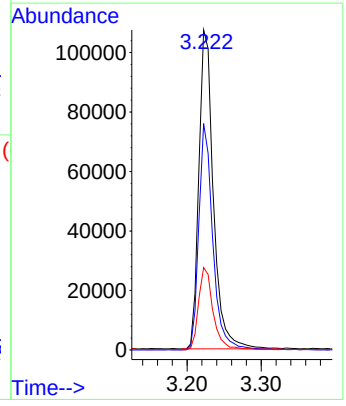
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

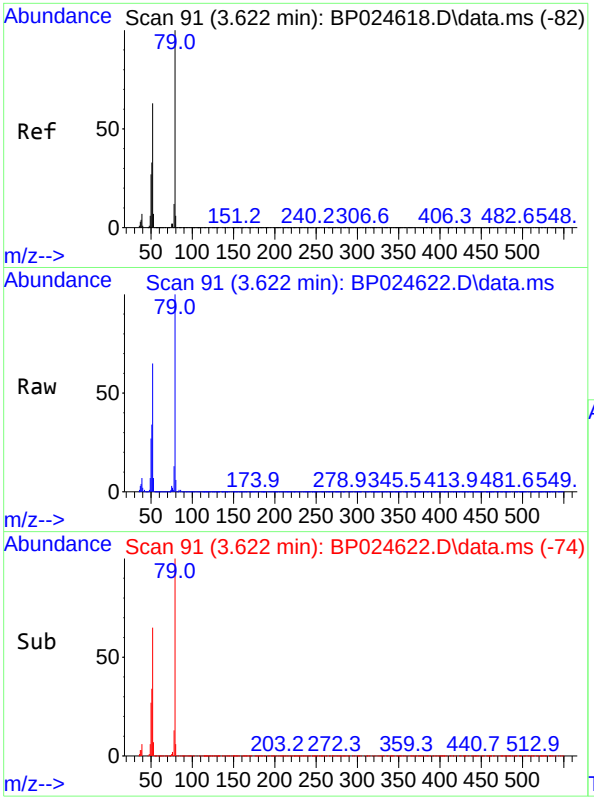


#2
1,4-Dioxane
Concen: 36.79 ng
RT: 3.222 min Scan# 23
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 88 Resp: 145871

Ion	Ratio	Lower	Upper
88	100		
58	68.6	54.0	81.0
43	25.9	21.4	32.0

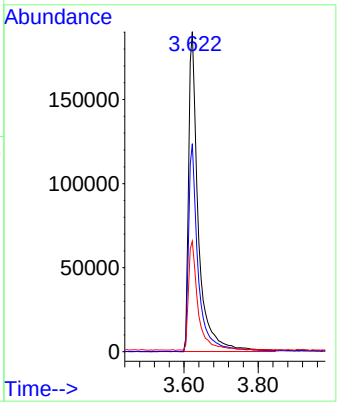




#3
Pyridine
Concen: 39.53 ng
RT: 3.622 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 79 Resp: 34751

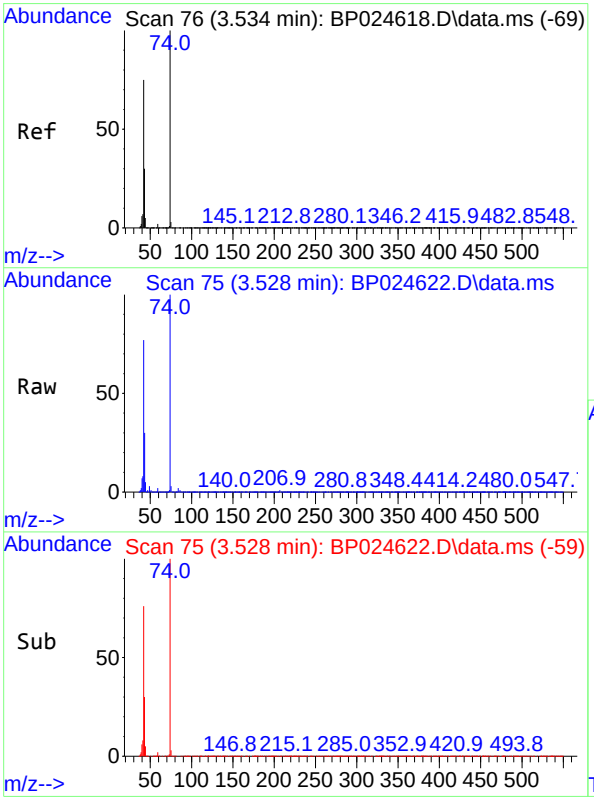
Ion	Ratio	Lower	Upper
79	100		
52	65.0	50.2	75.2
51	34.5	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations
APPROVED

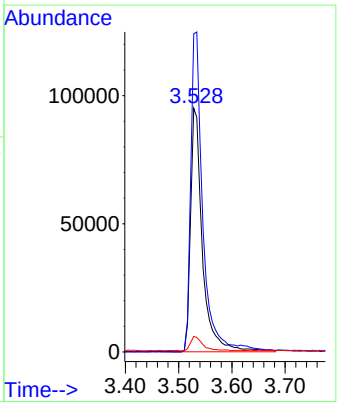
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

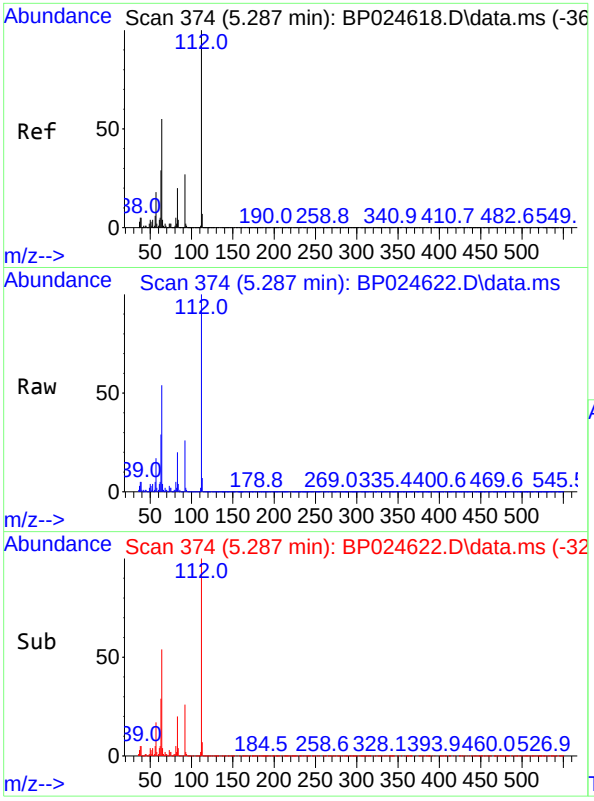


#4
n-Nitrosodimethylamine
Concen: 37.98 ng
RT: 3.528 min Scan# 75
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 42 Resp: 147412

Ion	Ratio	Lower	Upper
42	100		
74	130.6	106.2	159.2
44	6.4	5.4	8.2

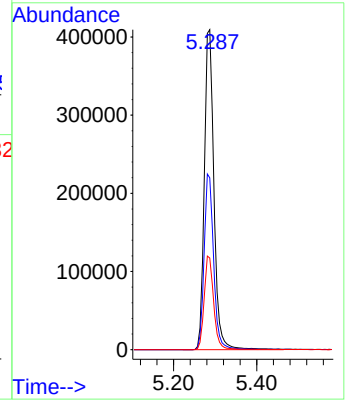




#5
2-Fluorophenol
Concen: 77.95 ng
RT: 5.287 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:112 Resp: 65824

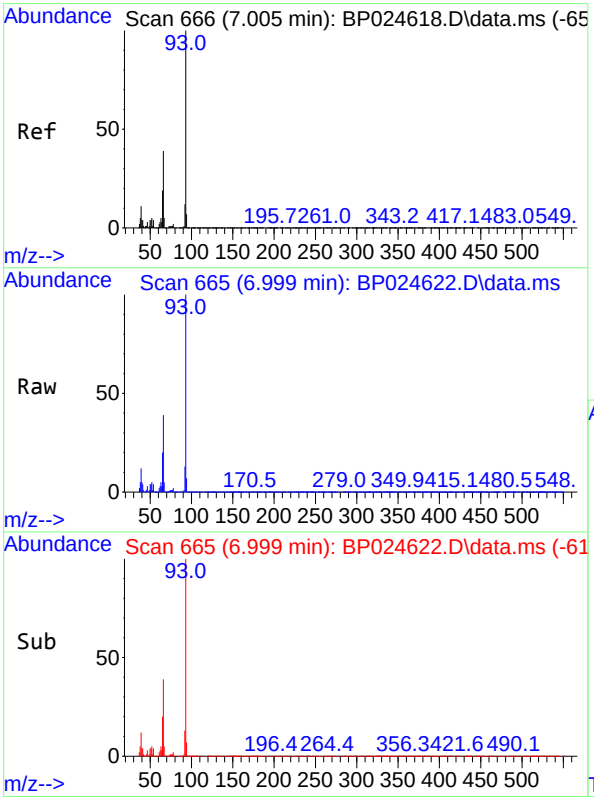
Ion	Ratio	Lower	Upper
112	100		
64	53.7	44.1	66.1
63	28.7	23.5	35.3



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations
APPROVED

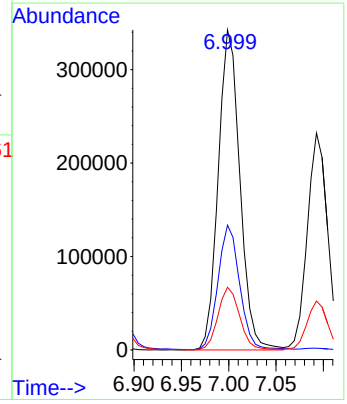
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

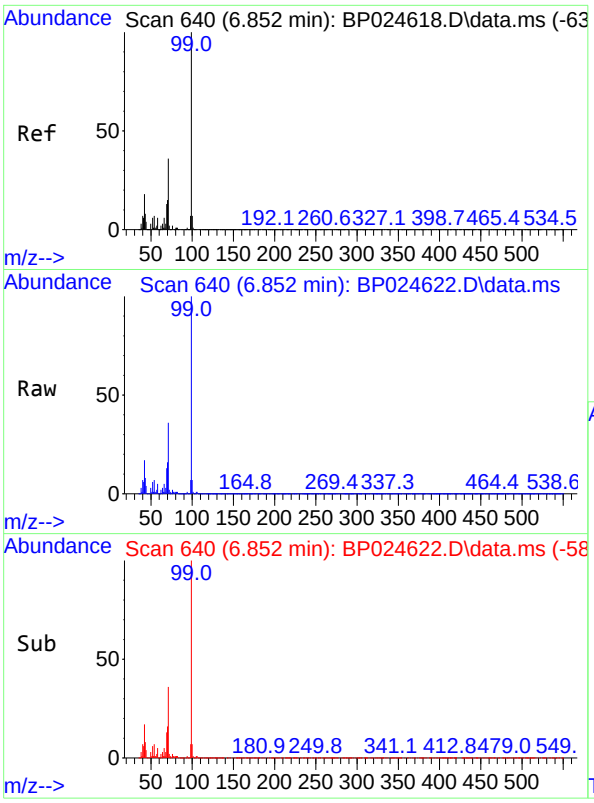


#6
Aniline
Concen: 39.21 ng
RT: 6.999 min Scan# 665
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 93 Resp: 545556

Ion	Ratio	Lower	Upper
93	100		
66	39.0	31.0	46.6
65	19.6	15.5	23.3

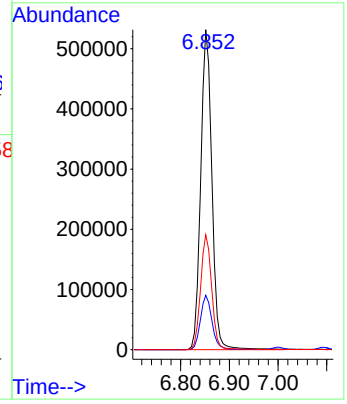




#7
Phenol-d6
Concen: 79.09 ng
RT: 6.852 min Scan# 64
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 99 Resp: 85233

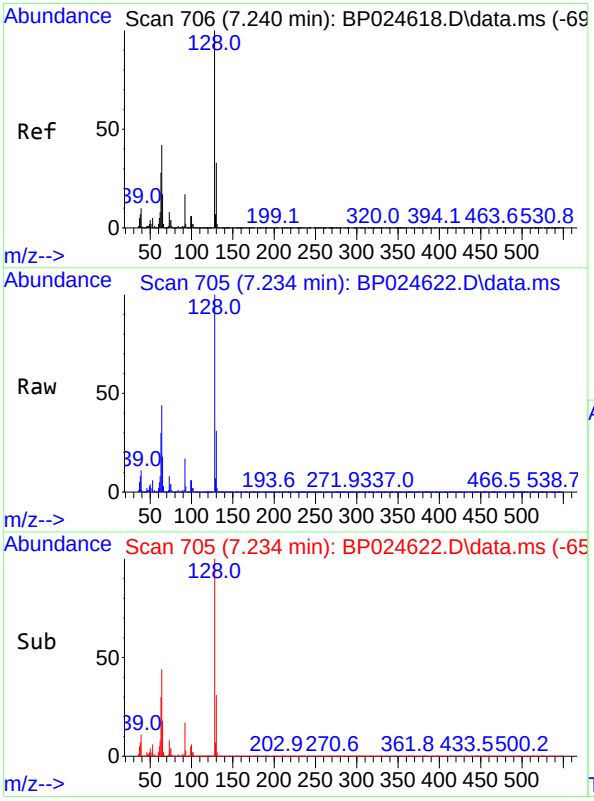
Ion	Ratio	Lower	Upper
99	100		
42	17.0	14.4	21.6
71	35.9	29.2	43.8



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations
APPROVED

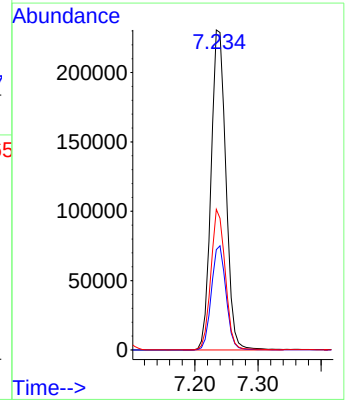
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

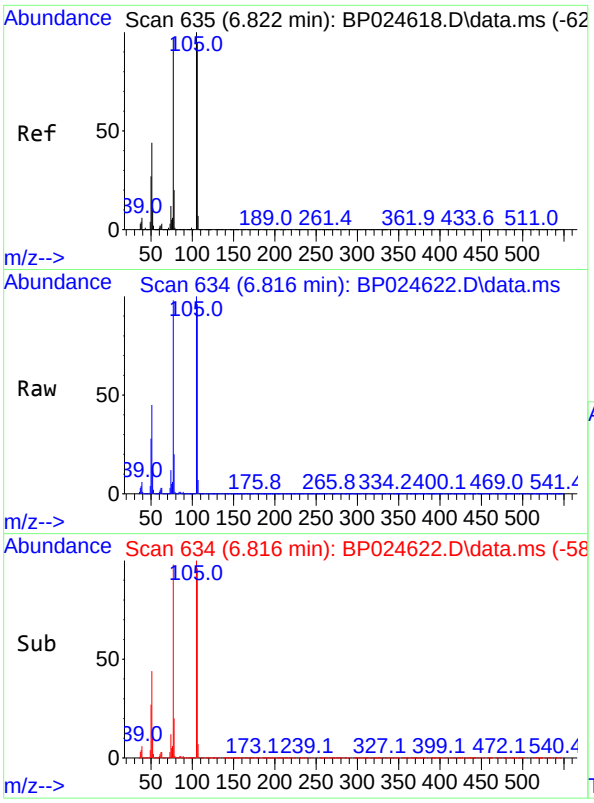


#8
2-Chlorophenol
Concen: 39.37 ng
RT: 7.234 min Scan# 705
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:128 Resp: 377358

Ion	Ratio	Lower	Upper
128	100		
130	31.4	13.0	53.0
64	43.9	22.3	62.3

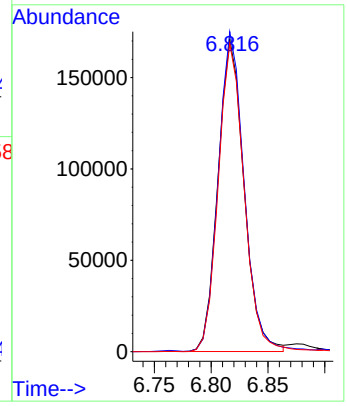




#9
Benzaldehyde
Concen: 39.03 ng
RT: 6.816 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 77 Resp: 27230

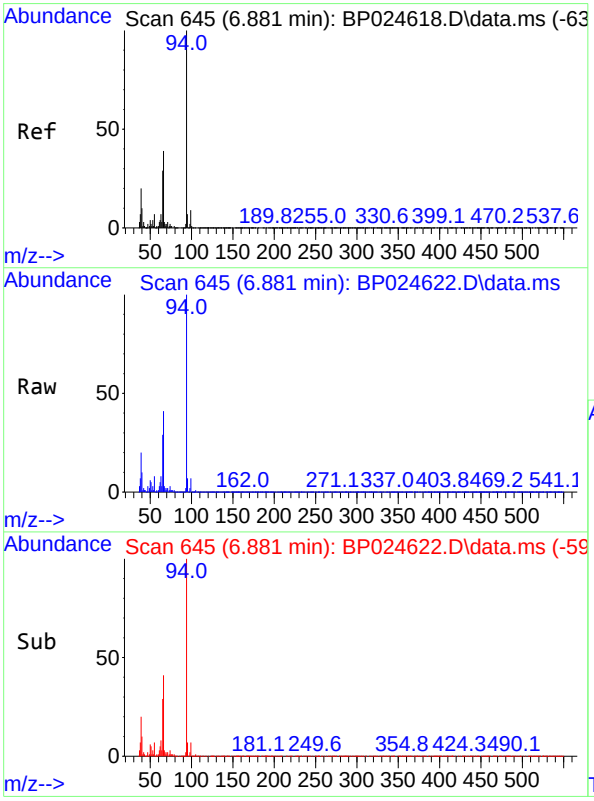
Ion	Ratio	Lower	Upper
77	100		
105	102.4	83.3	123.3
106	98.5	78.0	118.0



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations
APPROVED

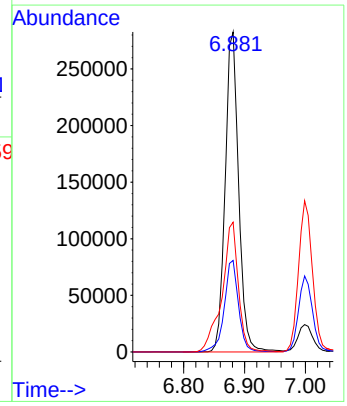
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

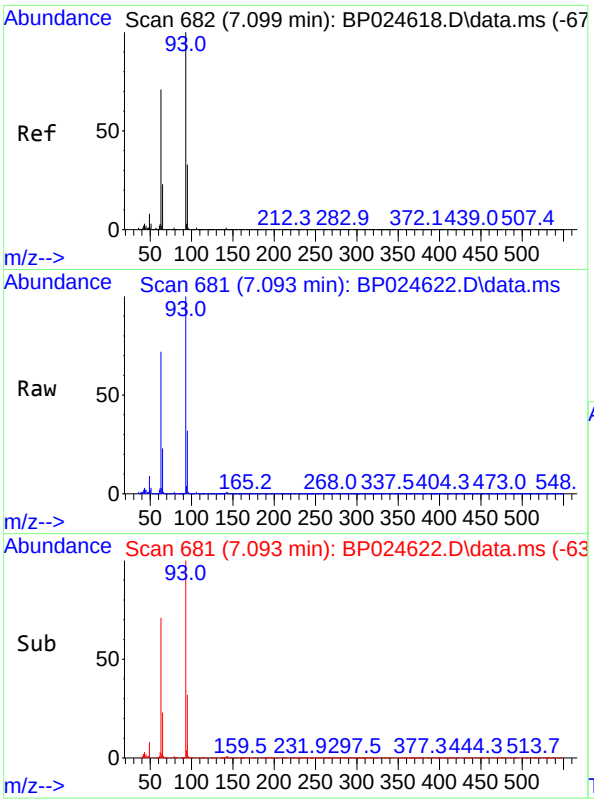


#10
Phenol
Concen: 39.09 ng
RT: 6.881 min Scan# 645
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 94 Resp: 434788

Ion	Ratio	Lower	Upper
94	100		
65	28.6	8.7	48.7
66	40.5	19.4	59.4

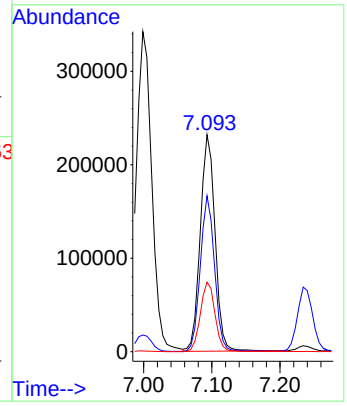




#11
bis(2-Chloroethyl)ether
Concen: 37.94 ng
RT: 7.093 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 93 Resp: 34674

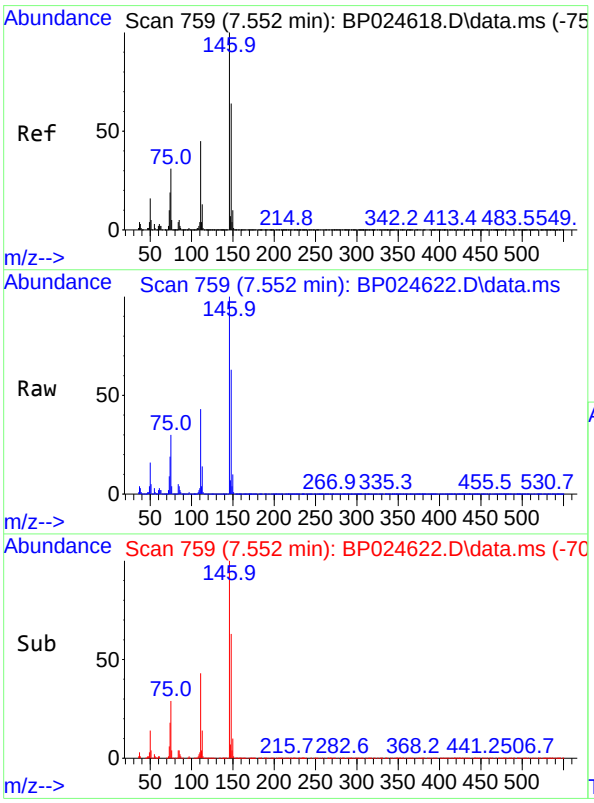
Ion	Ratio	Lower	Upper
93	100		
63	71.9	50.6	90.6
95	32.1	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations
APPROVED

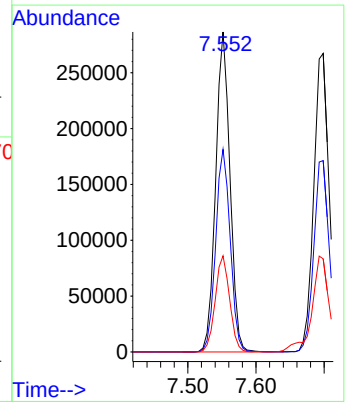
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

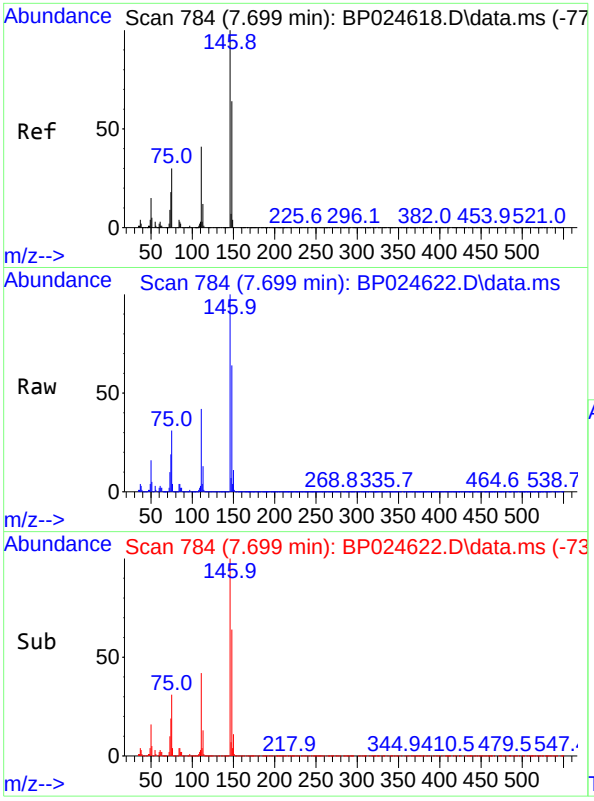


#12
1,3-Dichlorobenzene
Concen: 37.89 ng
RT: 7.552 min Scan# 759
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:146 Resp: 417899

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.4	77.2
75	30.1	25.2	37.8

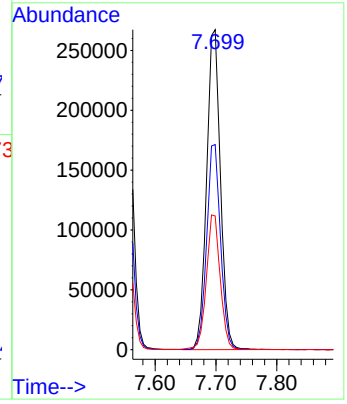




#13
1,4-Dichlorobenzene
Concen: 37.90 ng
RT: 7.699 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:146 Resp: 42043

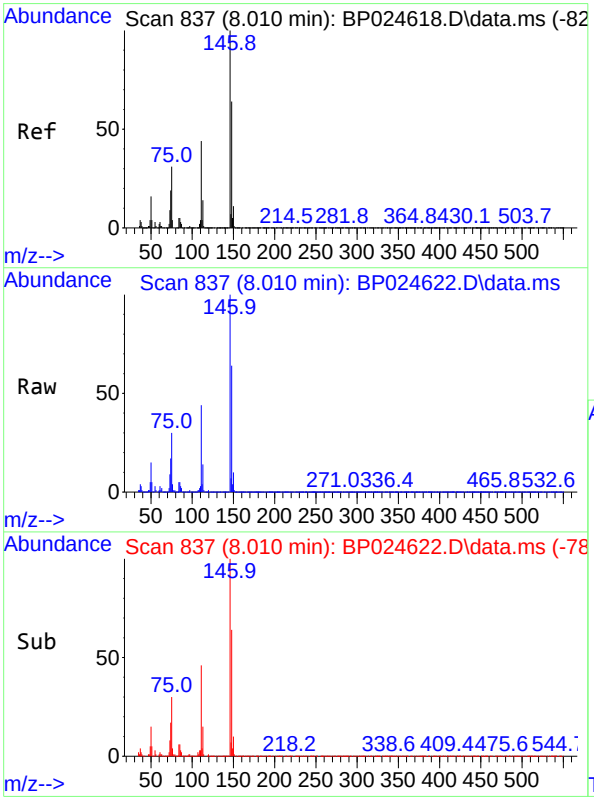
Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.0	76.6
111	41.8	33.0	49.6



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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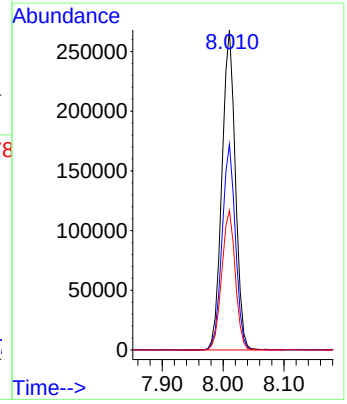
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

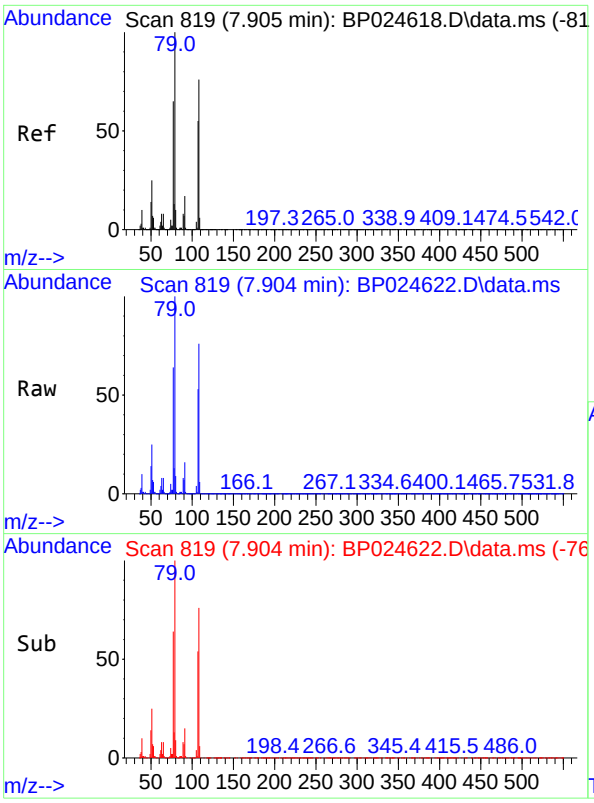


#14
1,2-Dichlorobenzene
Concen: 37.90 ng
RT: 8.010 min Scan# 837
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:146 Resp: 409587

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.0	76.4
111	43.6	35.2	52.8





#15
Benzyl Alcohol
Concen: 40.54 ng
RT: 7.904 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

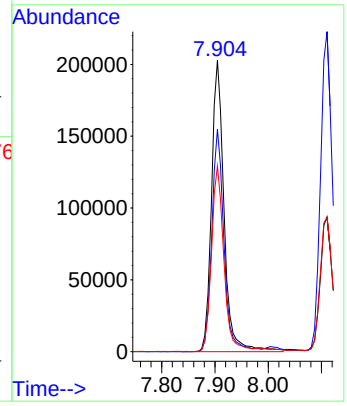
Tgt Ion: 79 Resp: 33201

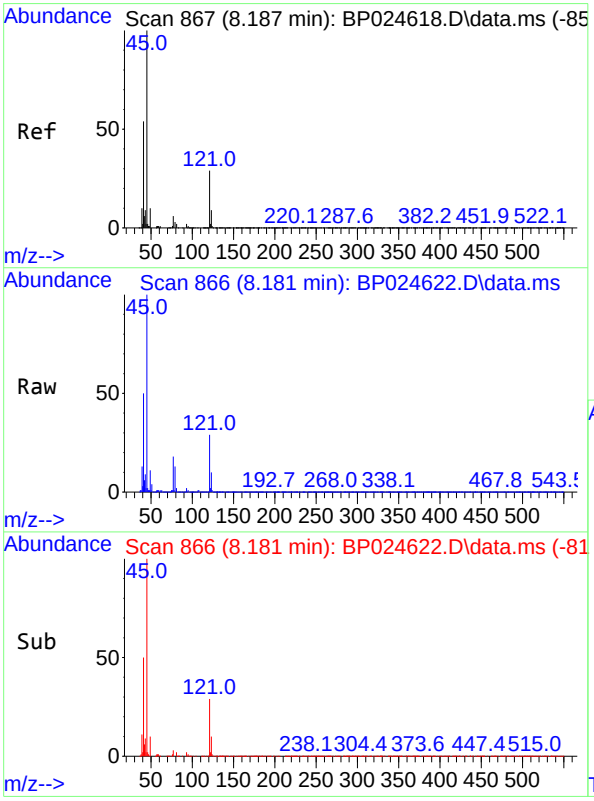
Ion	Ratio	Lower	Upper
79	100		
108	76.4	60.8	91.2
77	63.7	51.9	77.9

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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

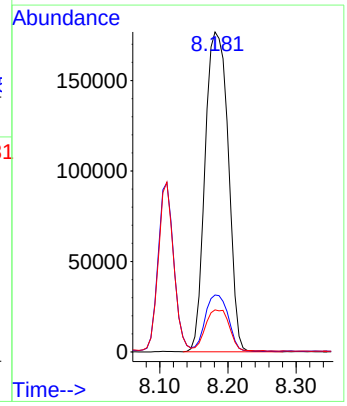


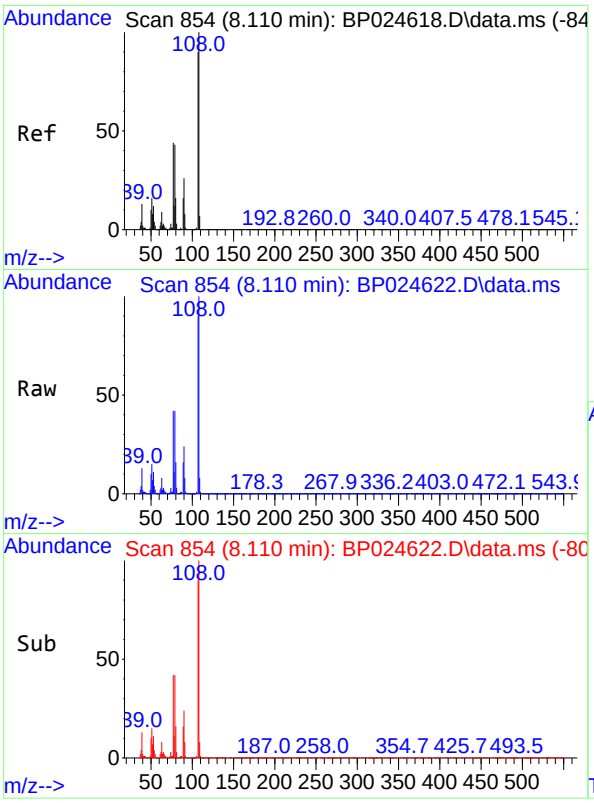


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.04 ng
RT: 8.181 min Scan# 866
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 45 Resp: 416339

Ion	Ratio	Lower	Upper
45	100		
77	17.8	0.0	37.7
79	13.2	0.0	34.0

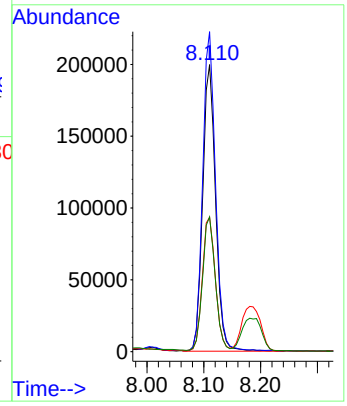




#17
2-Methylphenol
Concen: 39.62 ng
RT: 8.110 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:107 Resp: 31606

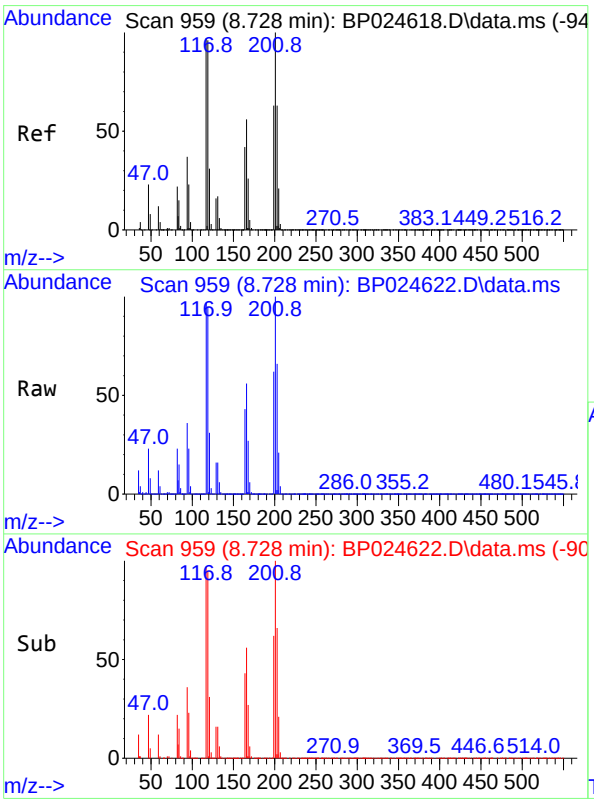
Ion	Ratio	Lower	Upper
107	100		
108	111.5	88.9	133.3
77	46.8	39.0	58.6
79	47.0	38.4	57.6



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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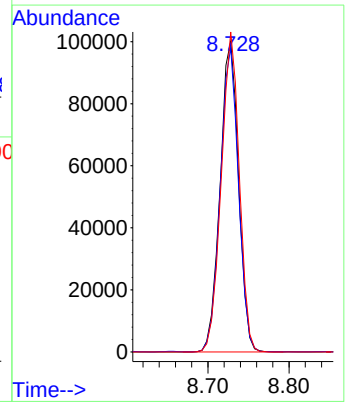
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

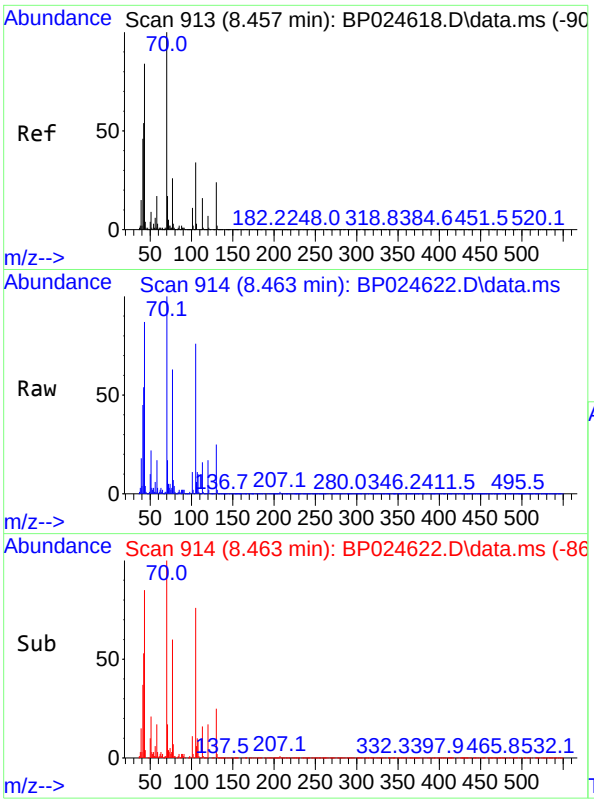


#18
Hexachloroethane
Concen: 37.21 ng
RT: 8.728 min Scan# 959
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:117 Resp: 158167

Ion	Ratio	Lower	Upper
117	100		
119	97.9	79.4	119.0
201	103.0	82.7	124.1

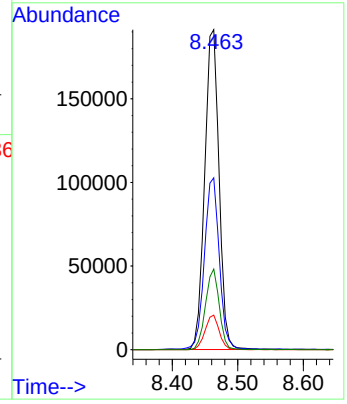




#19
n-Nitroso-di-n-propylamine
Concen: 39.16 ng
RT: 8.463 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 70 Resp: 29196

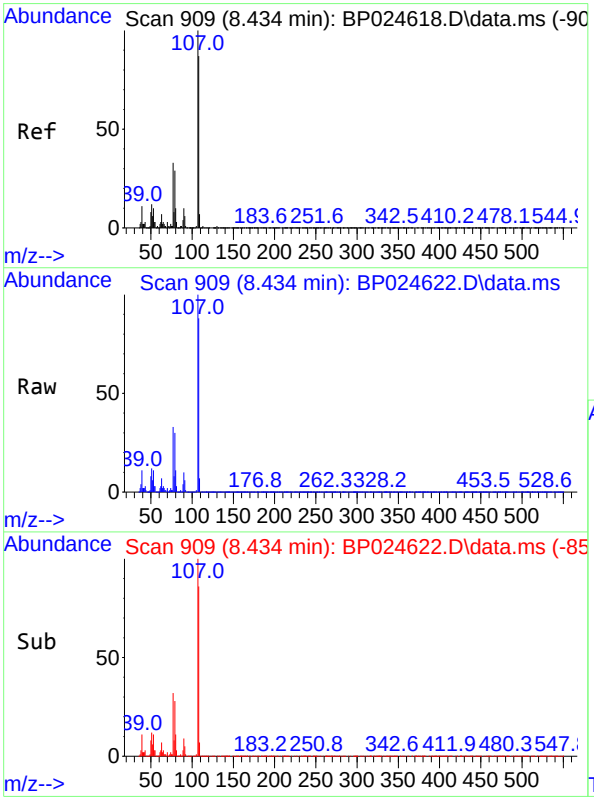
Ion	Ratio	Lower	Upper
70	100		
42	53.7	43.0	64.6
101	10.8	8.7	13.1
130	25.2	19.4	29.0



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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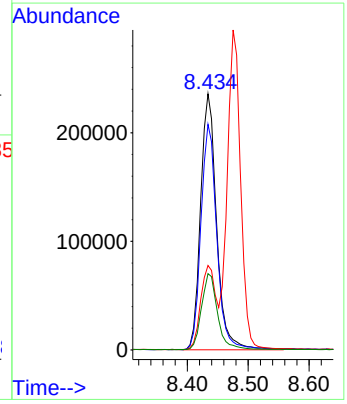
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

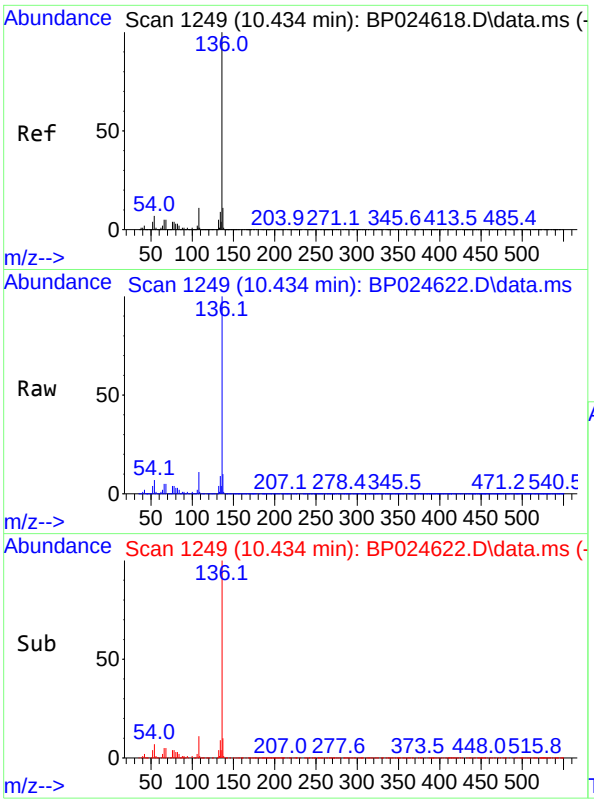


#20
3+4-Methylphenols
Concen: 39.56 ng
RT: 8.434 min Scan# 909
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:107 Resp: 429326

Ion	Ratio	Lower	Upper
107	100		
108	88.1	66.7	106.7
77	33.0	13.1	53.1
79	29.8	8.9	48.9

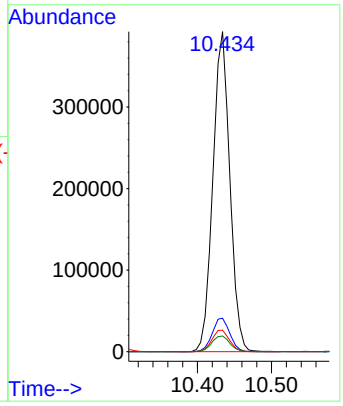




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:136 Resp: 62177

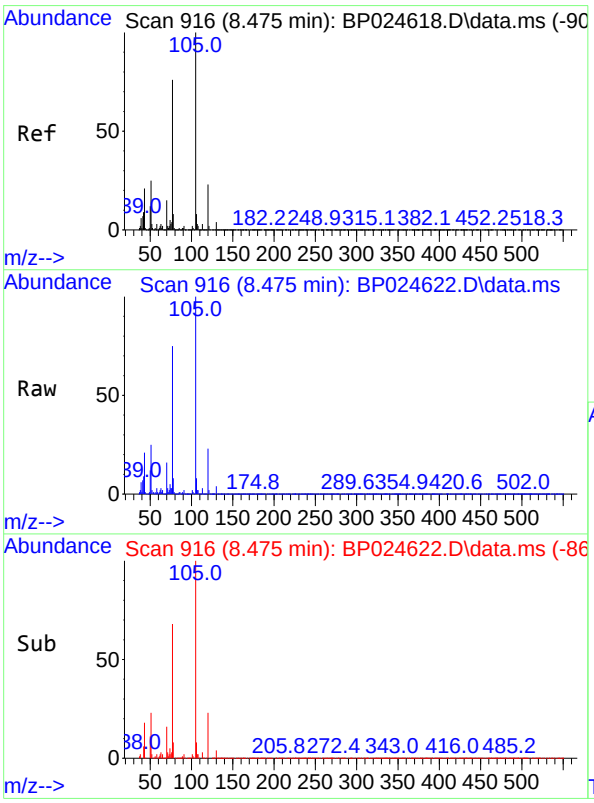
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.8	13.2
54	6.7	5.5	8.3
68	4.9	4.2	6.2



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations
APPROVED

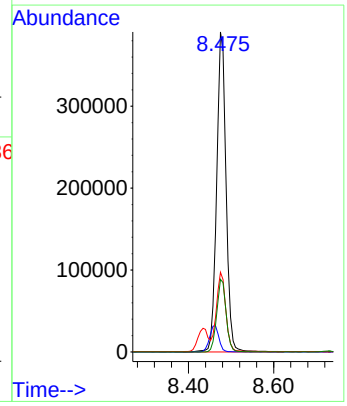
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

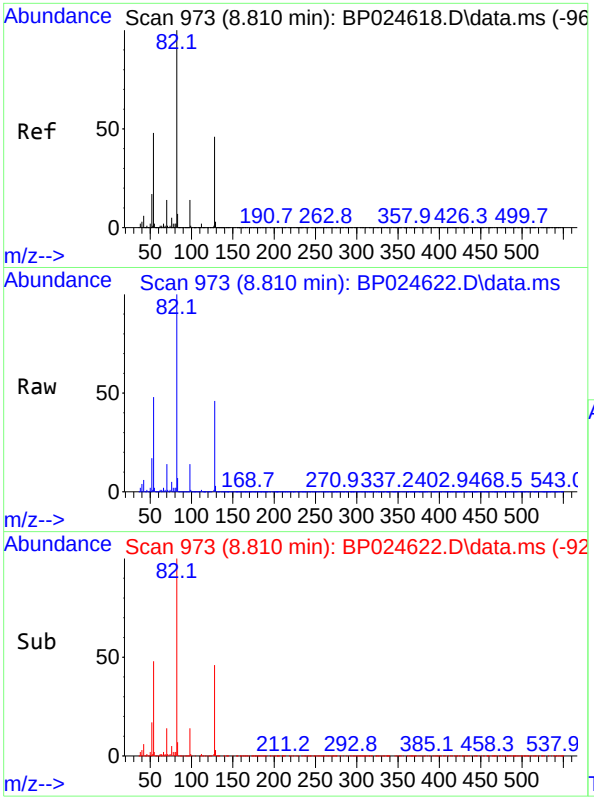


#22
Acetophenone
Concen: 38.47 ng
RT: 8.475 min Scan# 916
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:105 Resp: 597464

Ion	Ratio	Lower	Upper
105	100		
71	2.6	2.0	3.0
51	24.9	20.4	30.6
120	22.7	18.1	27.1

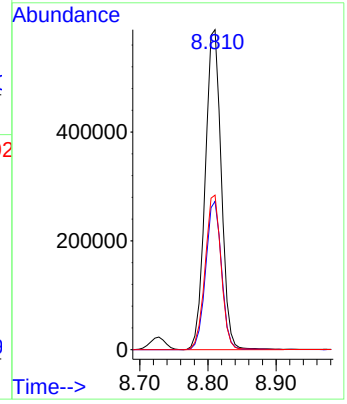




#23
Nitrobenzene-d5
Concen: 78.23 ng
RT: 8.810 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 82 Resp: 96266

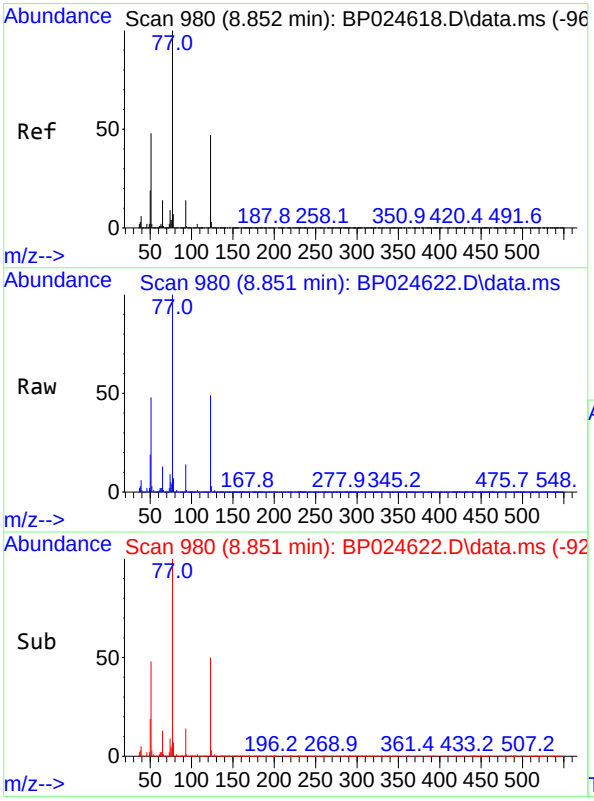
Ion	Ratio	Lower	Upper
82	100		
128	46.4	37.0	55.4
54	48.3	38.7	58.1



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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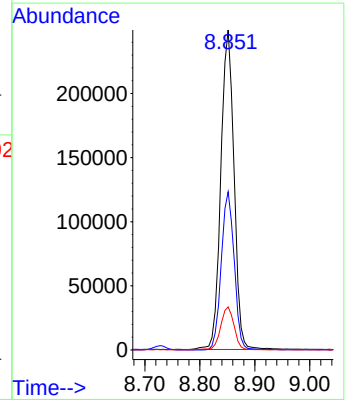
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

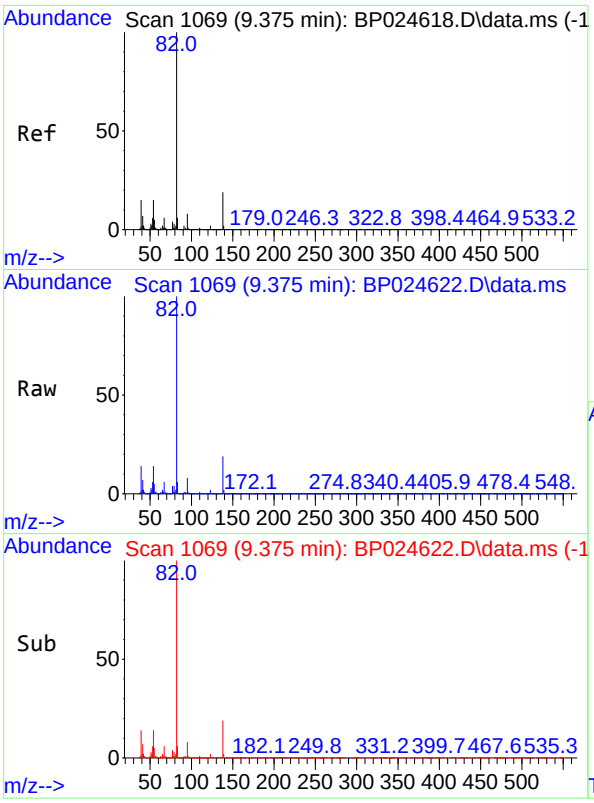


#24
Nitrobenzene
Concen: 38.50 ng
RT: 8.851 min Scan# 980
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 77 Resp: 416985

Ion	Ratio	Lower	Upper
77	100		
123	49.5	37.4	56.0
65	13.5	11.3	16.9

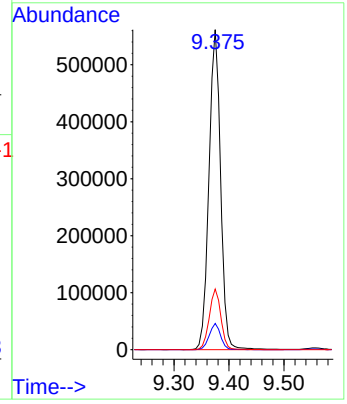




#25
Isophorone
Concen: 38.49 ng
RT: 9.375 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 82 Resp: 8216

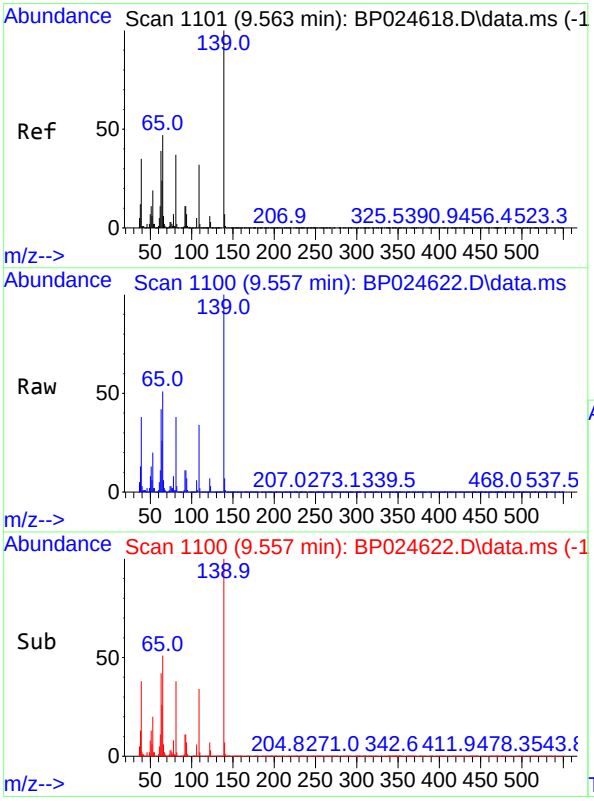
Ion	Ratio	Lower	Upper
82	100		
95	8.2	6.3	9.5
138	18.9	15.3	22.9



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations
APPROVED

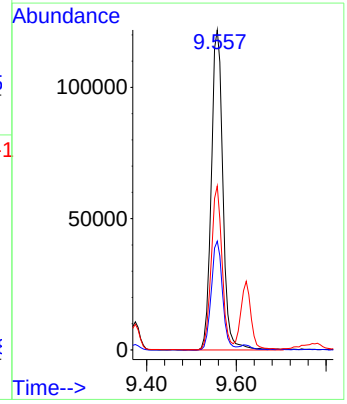
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

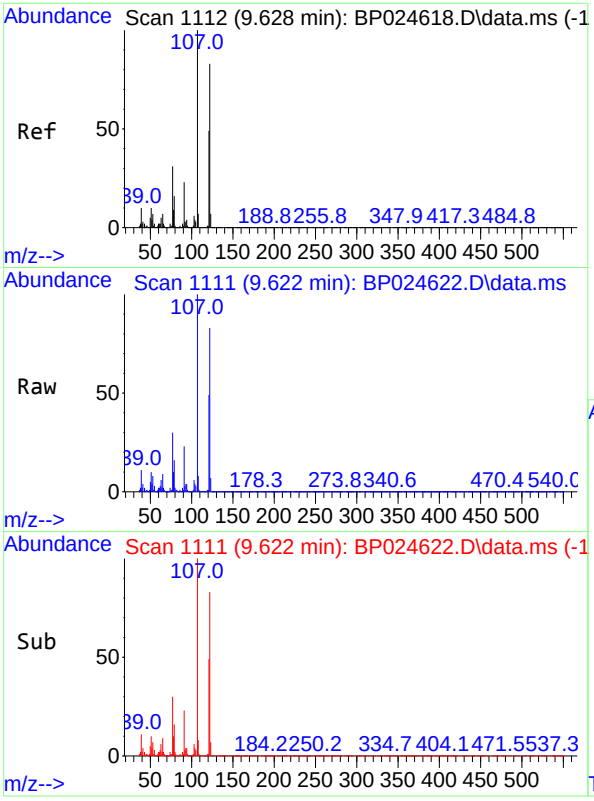


#26
2-Nitrophenol
Concen: 41.12 ng
RT: 9.557 min Scan# 1100
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:139 Resp: 218211

Ion	Ratio	Lower	Upper
139	100		
109	34.0	25.9	38.9
65	51.3	37.9	56.9

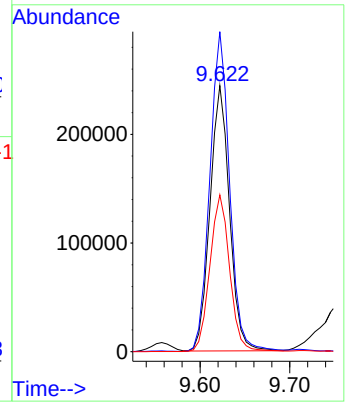




#27
2,4-Dimethylphenol
Concen: 39.48 ng
RT: 9.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:122 Resp: 369418

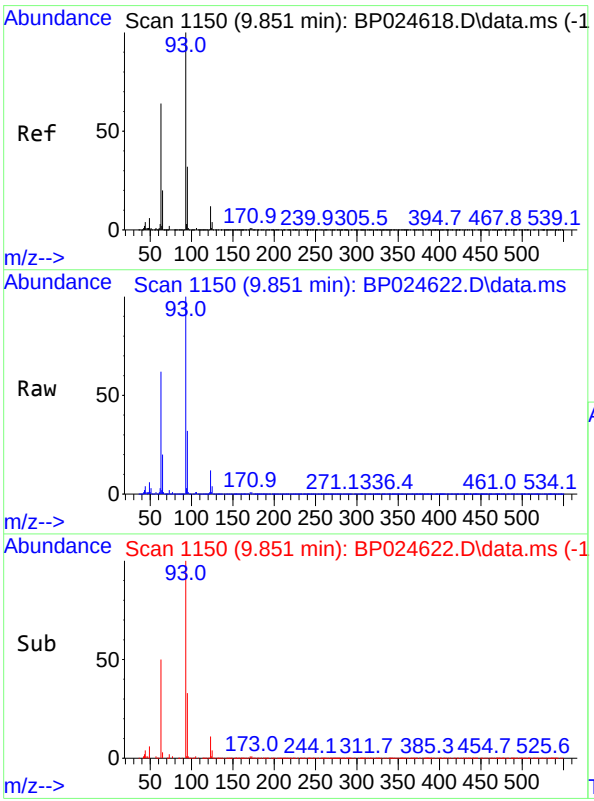
Ion	Ratio	Lower	Upper
122	100		
107	120.3	96.2	144.2
121	58.9	47.6	71.4



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations
APPROVED

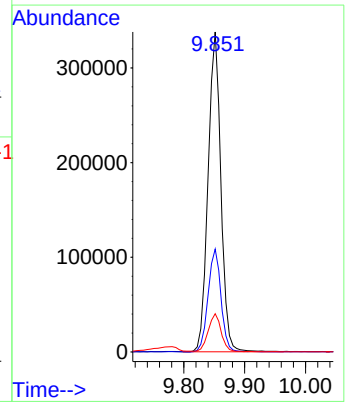
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

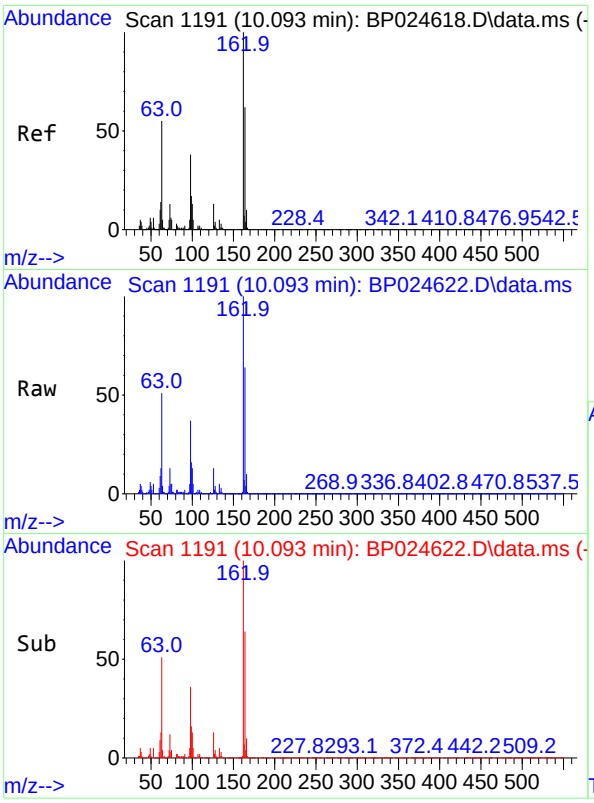


#28
bis(2-Chloroethoxy)methane
Concen: 38.71 ng
RT: 9.851 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 93 Resp: 493722

Ion	Ratio	Lower	Upper
93	100		
95	32.1	25.5	38.3
123	12.0	9.7	14.5

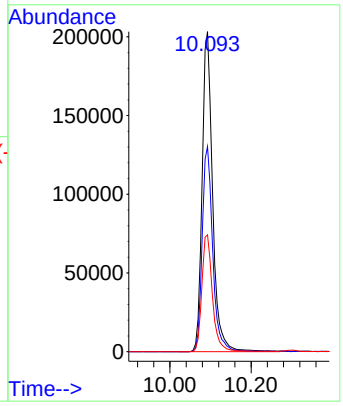




#29
2,4-Dichlorophenol
Concen: 40.19 ng
RT: 10.093 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:162 Resp: 36437

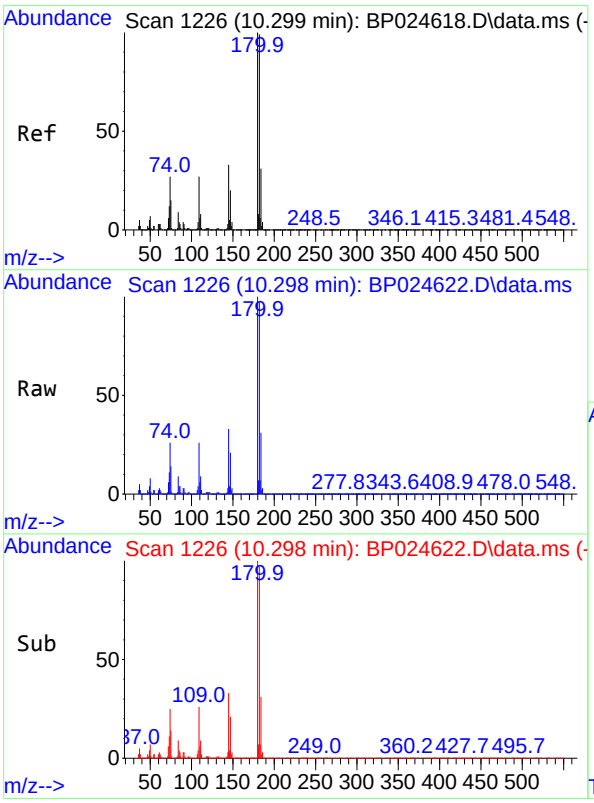
Ion	Ratio	Lower	Upper
162	100		
164	64.1	42.3	82.3
98	36.5	18.4	58.4



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations
APPROVED

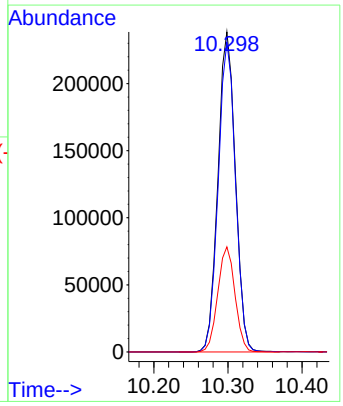
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

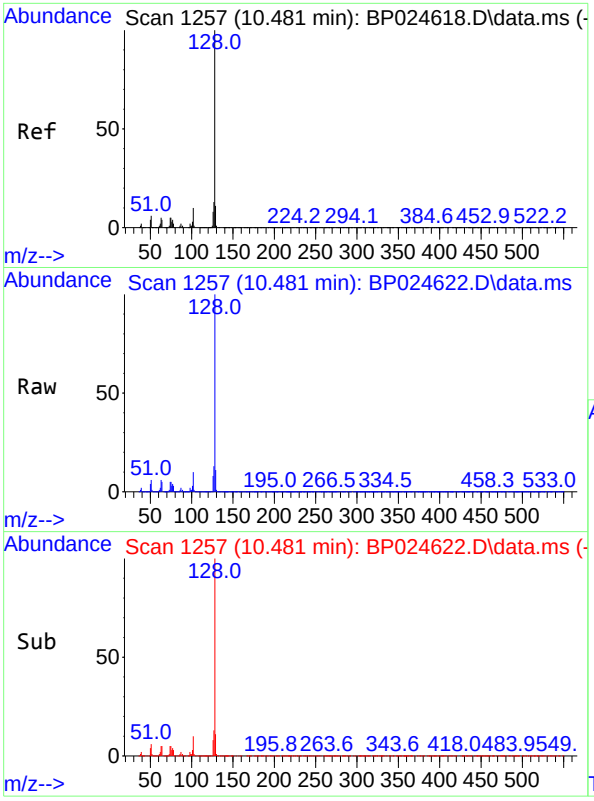


#30
1,2,4-Trichlorobenzene
Concen: 38.11 ng
RT: 10.298 min Scan# 1226
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:180 Resp: 389362

Ion	Ratio	Lower	Upper
180	100		
182	96.8	79.0	118.4
145	32.9	26.6	39.8

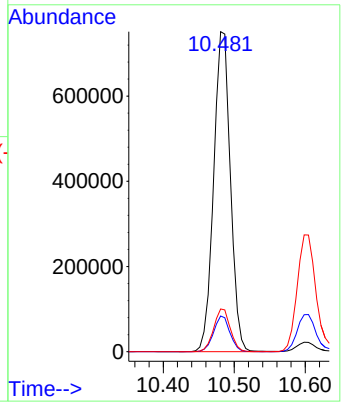




#31
Naphthalene
Concen: 38.07 ng
RT: 10.481 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:128 Resp: 122662

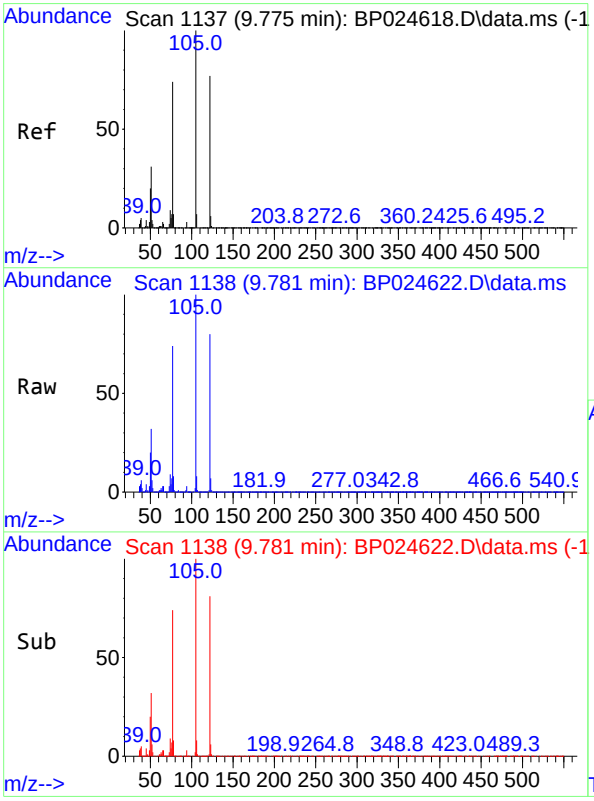
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.4	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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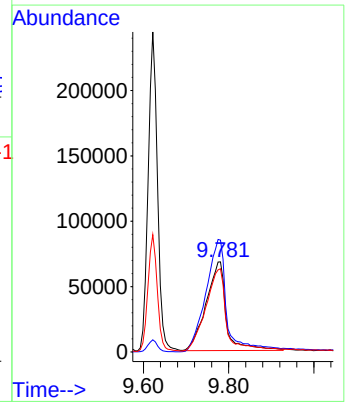
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

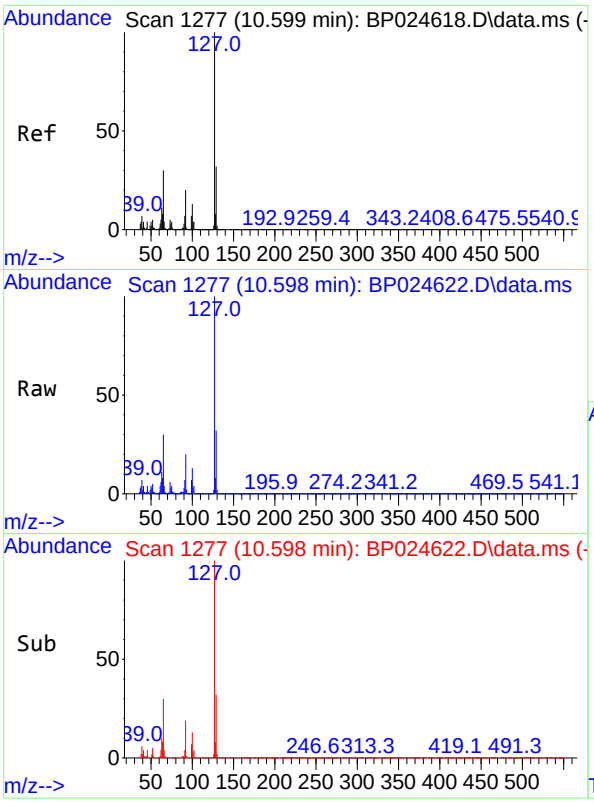


#32
Benzoic acid
Concen: 36.46 ng
RT: 9.781 min Scan# 1138
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:122 Resp: 223660

Ion	Ratio	Lower	Upper
122	100		
105	124.2	106.9	146.9
77	92.5	75.1	115.1

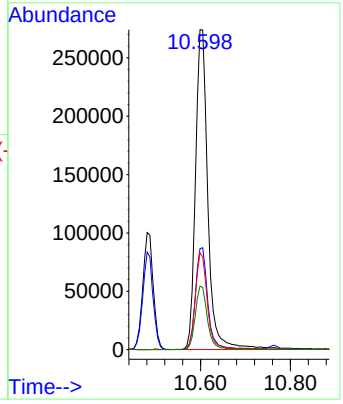




#33
4-Chloroaniline
Concen: 40.37 ng
RT: 10.598 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:127 Resp: 52487

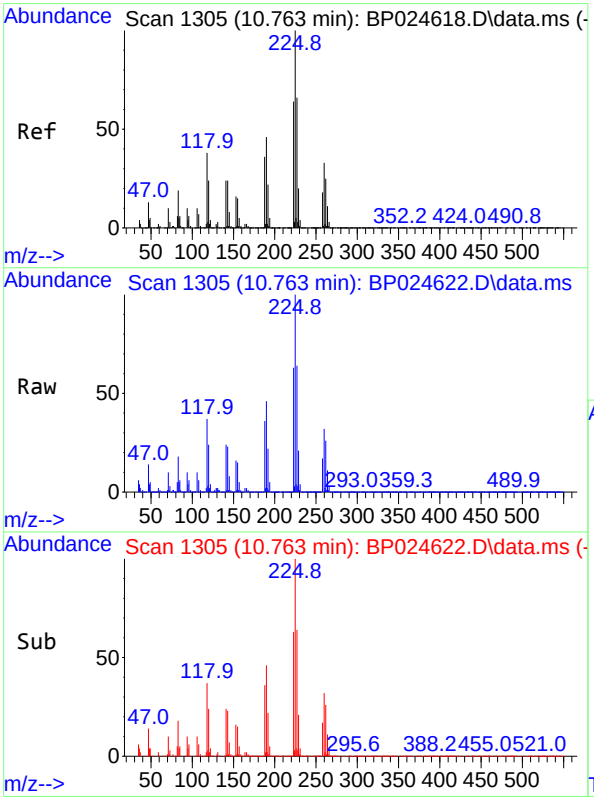
Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.8	38.6
65	30.3	23.9	35.9
92	19.9	16.1	24.1



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations
APPROVED

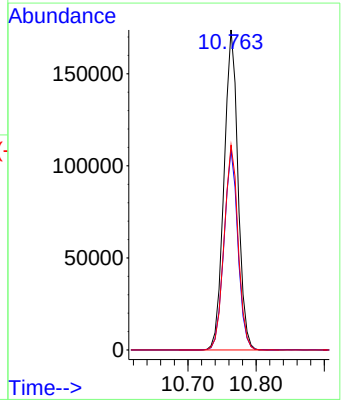
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

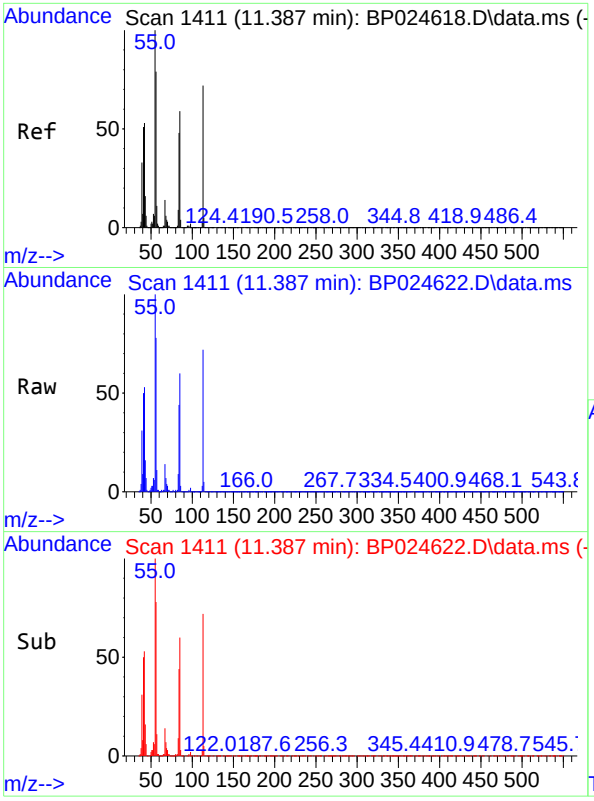


#34
Hexachlorobutadiene
Concen: 37.29 ng
RT: 10.763 min Scan# 1305
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:225 Resp: 246776

Ion	Ratio	Lower	Upper
225	100		
223	62.5	51.0	76.6
227	64.0	53.1	79.7

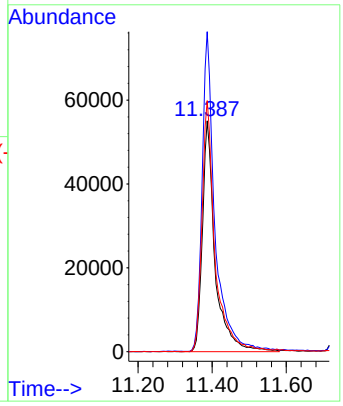




#35
Caprolactam
Concen: 39.75 ng
RT: 11.387 min Scan# 14
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:113 Resp: 13039

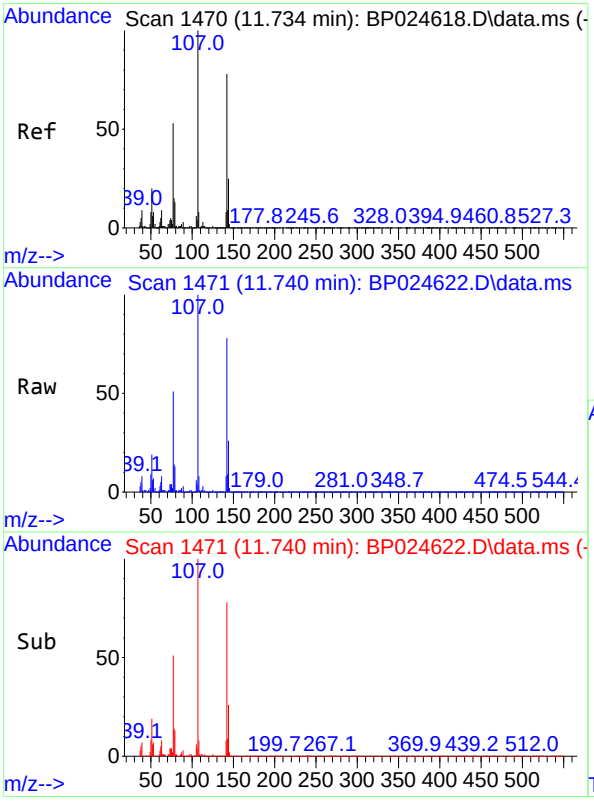
Ion	Ratio	Lower	Upper
113	100		
55	138.6	119.0	159.0
56	108.8	90.3	130.3



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations
APPROVED

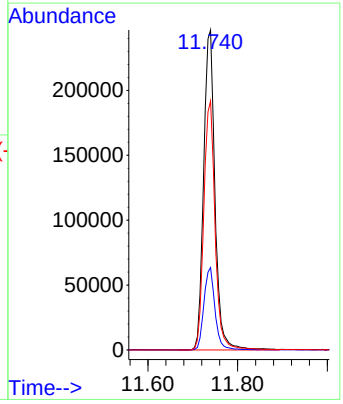
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

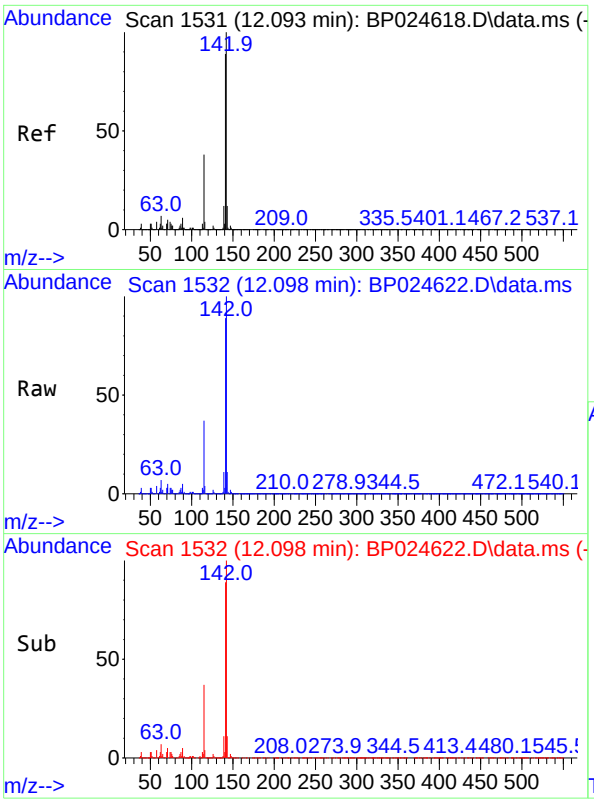


#36
4-Chloro-3-methylphenol
Concen: 39.01 ng
RT: 11.740 min Scan# 1471
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:107 Resp: 431344

Ion	Ratio	Lower	Upper
107	100		
144	25.7	20.1	30.1
142	77.8	62.1	93.1

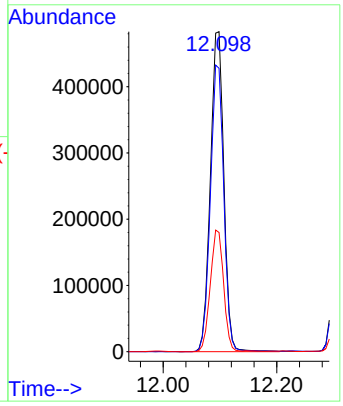




#37
2-Methylnaphthalene
Concen: 37.85 ng
RT: 12.098 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:142 Resp: 78972

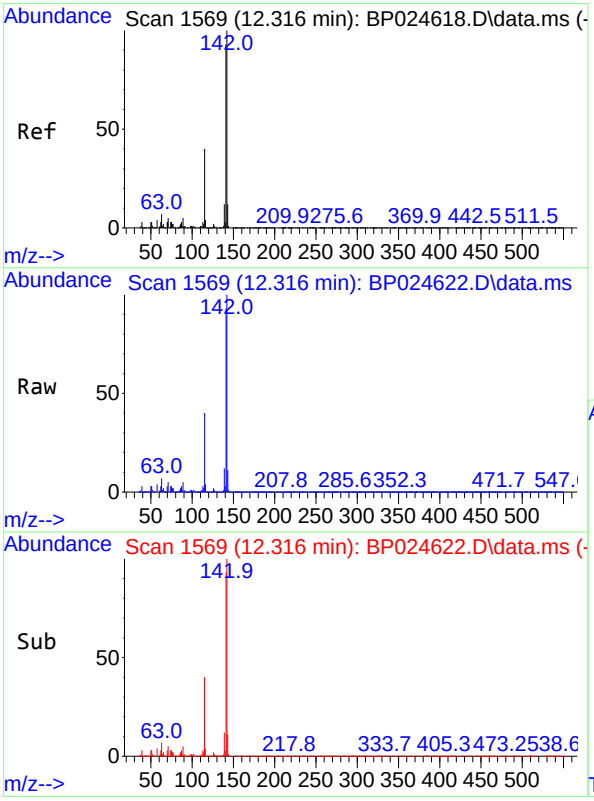
Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.2	106.8
115	37.2	30.6	46.0



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations
APPROVED

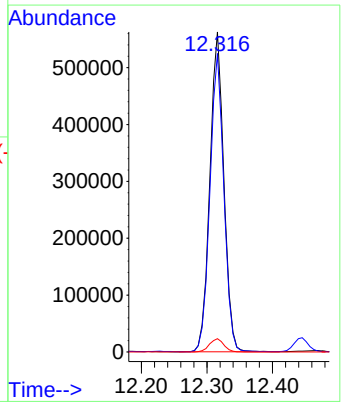
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

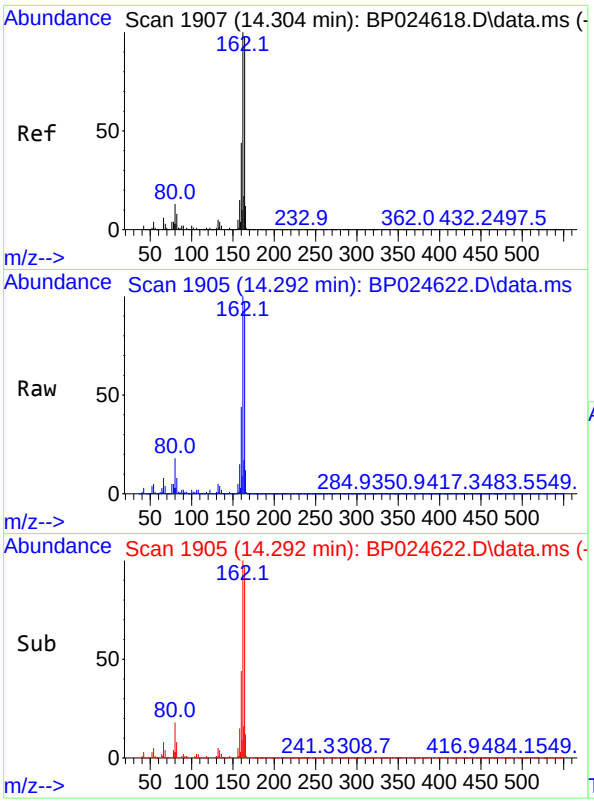


#38
1-Methylnaphthalene
Concen: 37.34 ng
RT: 12.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:142 Resp: 833521

Ion	Ratio	Lower	Upper
142	100		
141	93.2	74.7	112.1
116	4.2	3.4	5.2

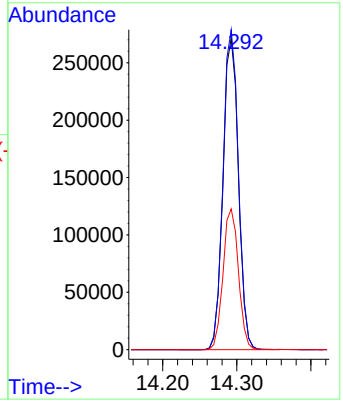




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.292 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:164 Resp: 39111

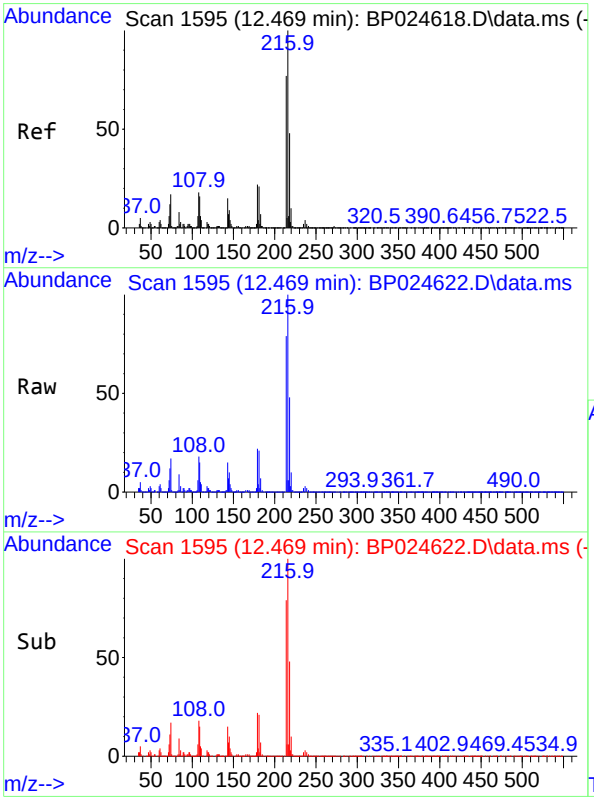
Ion	Ratio	Lower	Upper
164	100		
162	102.8	81.8	122.6
160	45.2	36.3	54.5



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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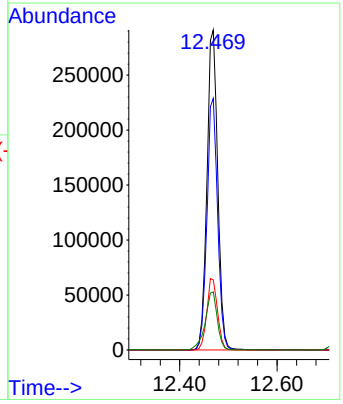
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

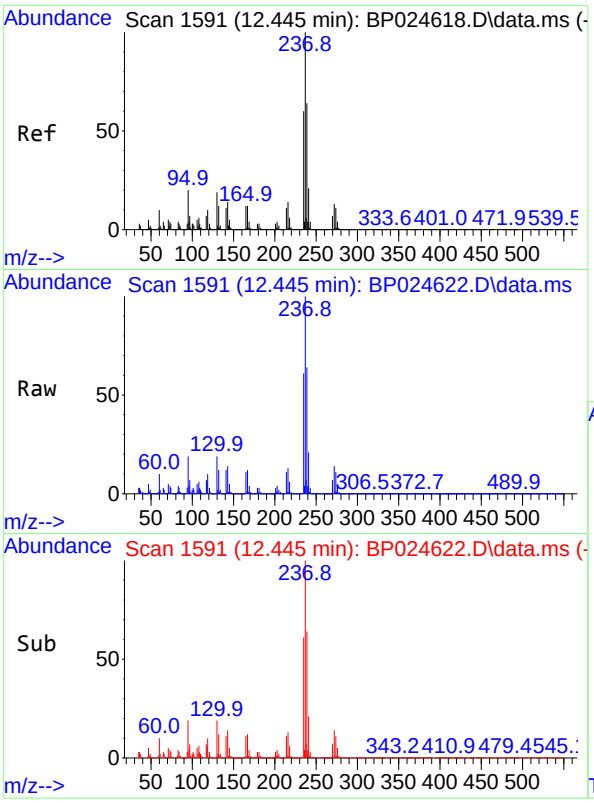


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.13 ng
RT: 12.469 min Scan# 1595
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:216 Resp: 444420

Ion	Ratio	Lower	Upper
216	100		
214	78.0	62.3	93.5
179	22.2	17.7	26.5
108	20.3	16.0	24.0





#41
Hexachlorocyclopentadiene
Concen: 44.37 ng
RT: 12.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

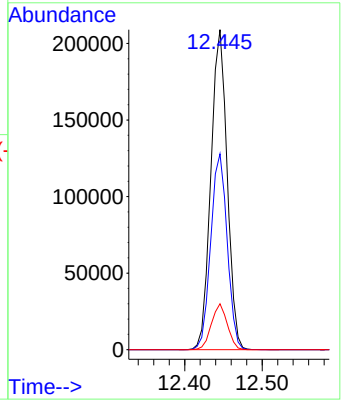
Instrument :
BNA_P
ClientSampleId :
ICVBP051325

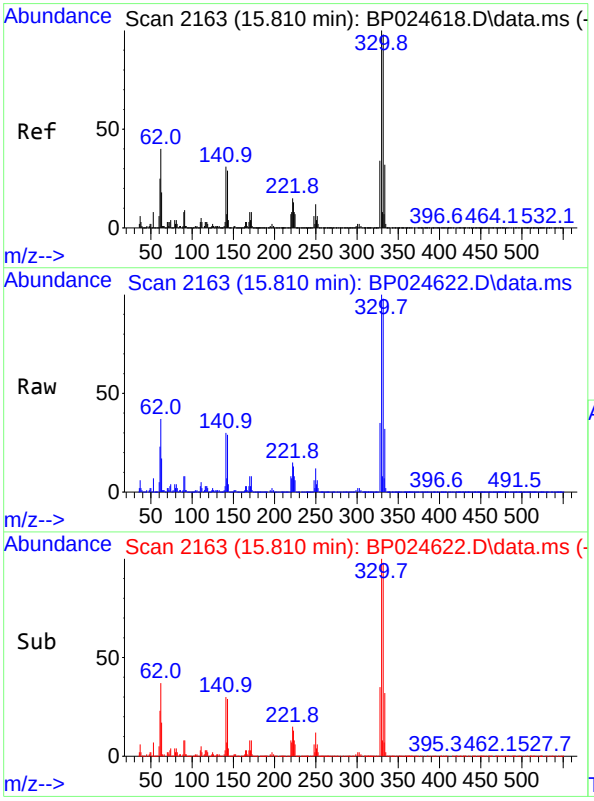
Tgt Ion:237 Resp: 30557

Ion	Ratio	Lower	Upper
237	100		
235	61.2	39.9	79.9
272	14.3	0.0	33.2

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

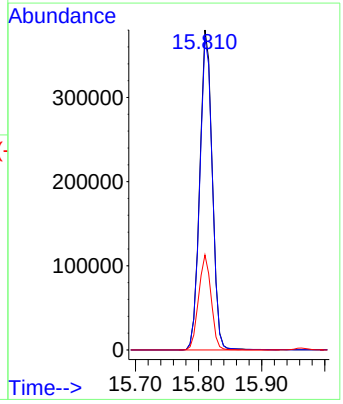


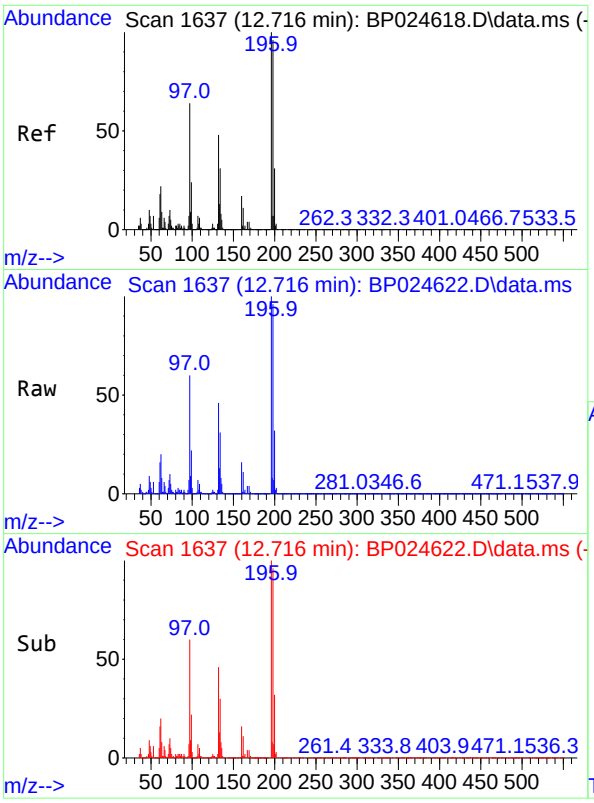


#42
2,4,6-Tribromophenol
Concen: 78.53 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:330 Resp: 520660

Ion	Ratio	Lower	Upper
330	100		
332	98.2	78.2	117.4
141	29.8	24.3	36.5

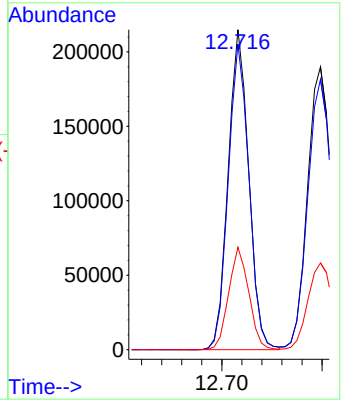




#43
2,4,6-Trichlorophenol
Concen: 41.55 ng
RT: 12.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:196 Resp: 30565

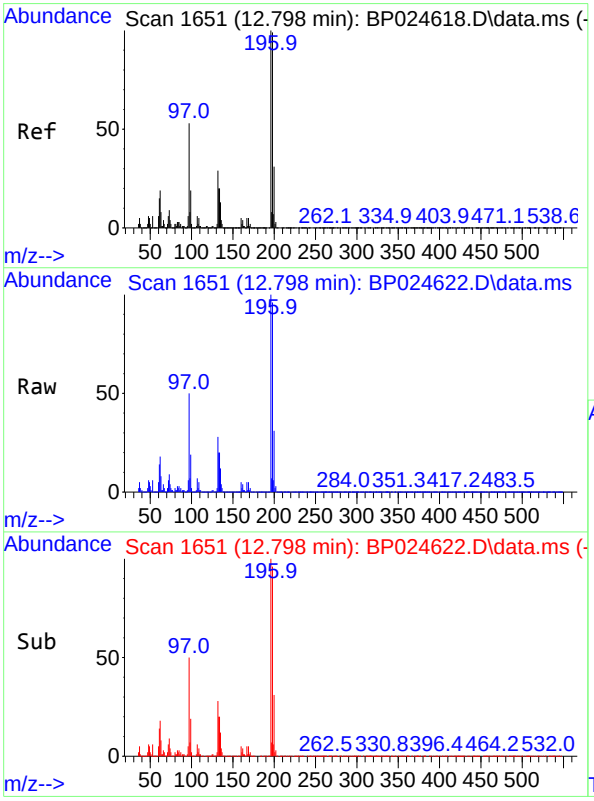
Ion	Ratio	Lower	Upper
196	100		
198	95.5	76.9	115.3
200	32.0	25.2	37.8



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations
APPROVED

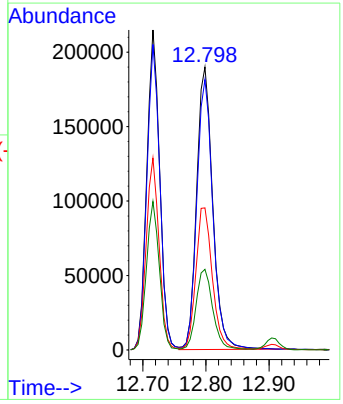
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

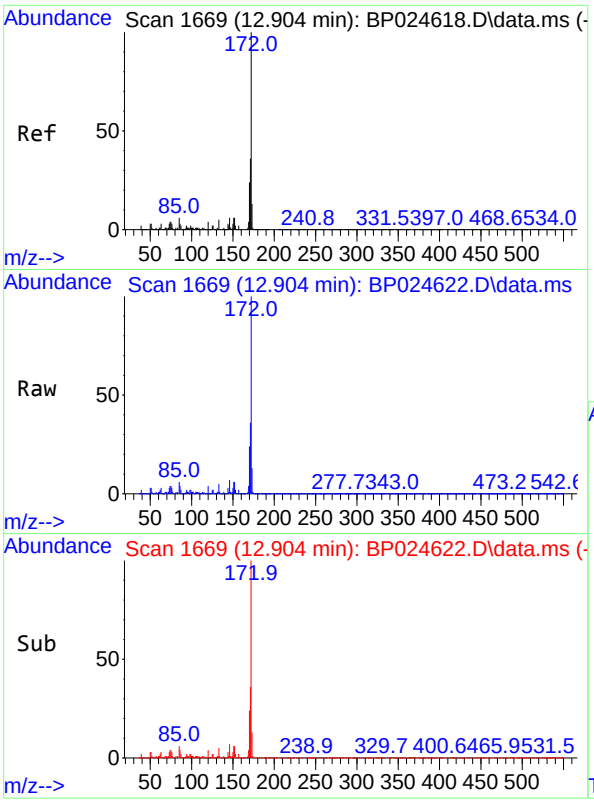


#44
2,4,5-Trichlorophenol
Concen: 41.06 ng
RT: 12.798 min Scan# 1651
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:196 Resp: 336252

Ion	Ratio	Lower	Upper
196	100		
198	95.6	79.2	118.8
97	50.2	42.3	63.5
132	28.5	23.3	34.9

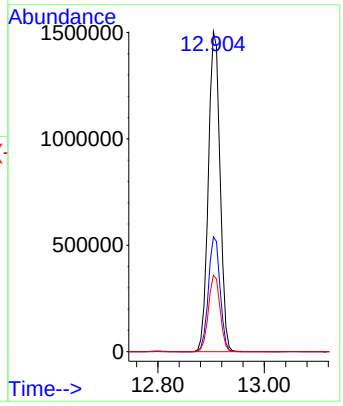




#45
2-Fluorobiphenyl
Concen: 76.73 ng
RT: 12.904 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:172 Resp: 229071

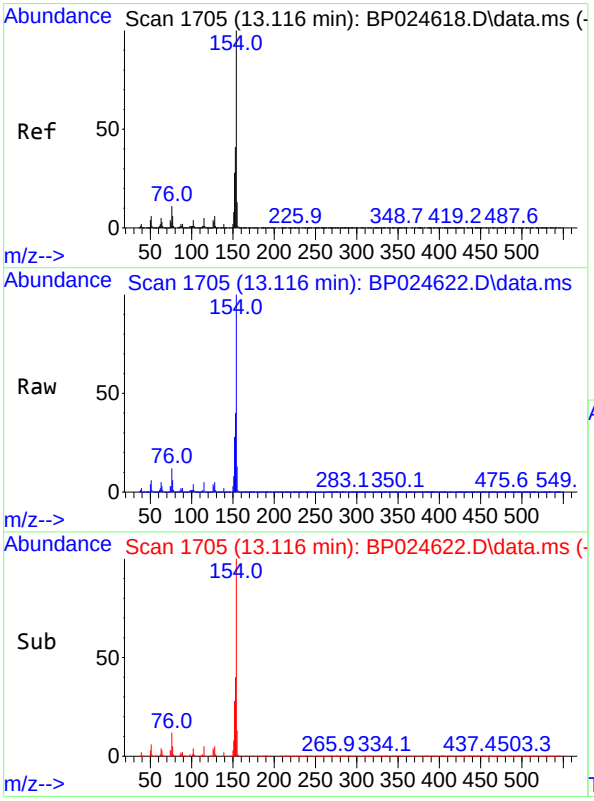
Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.8	43.2
170	23.9	18.8	28.2



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations
APPROVED

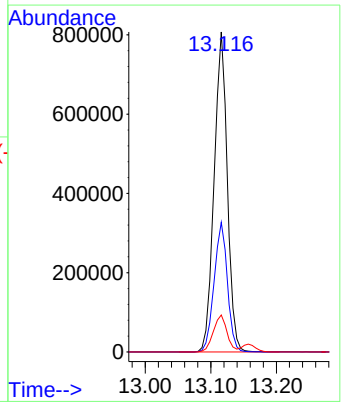
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

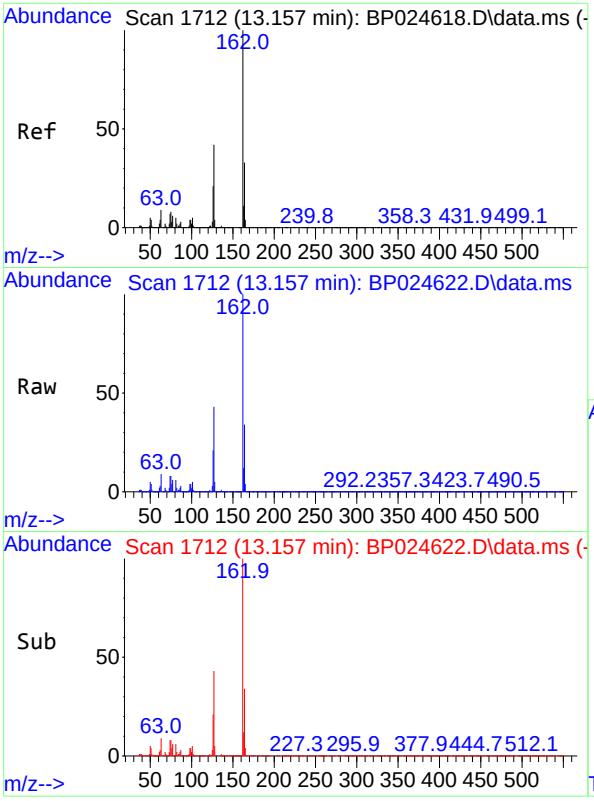


#46
1,1'-Biphenyl
Concen: 38.91 ng
RT: 13.116 min Scan# 1705
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:154 Resp: 1124669

Ion	Ratio	Lower	Upper
154	100		
153	40.5	21.0	61.0
76	11.5	0.0	31.5

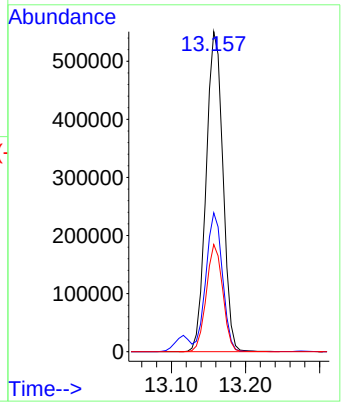




#47
2-Chloronaphthalene
Concen: 39.24 ng
RT: 13.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:162 Resp: 86485

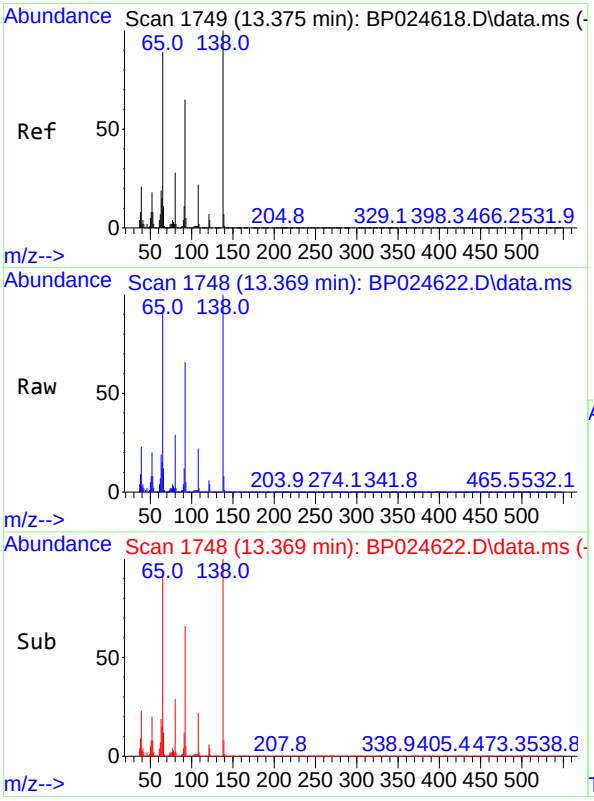
Ion	Ratio	Lower	Upper
162	100		
127	43.4	33.8	50.6
164	33.5	26.0	39.0



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations APPROVED

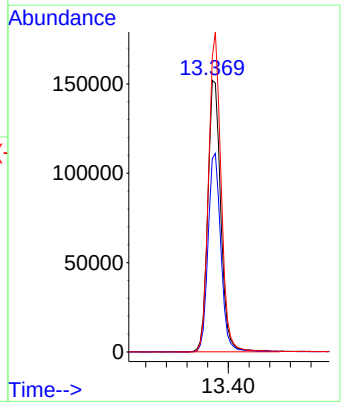
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

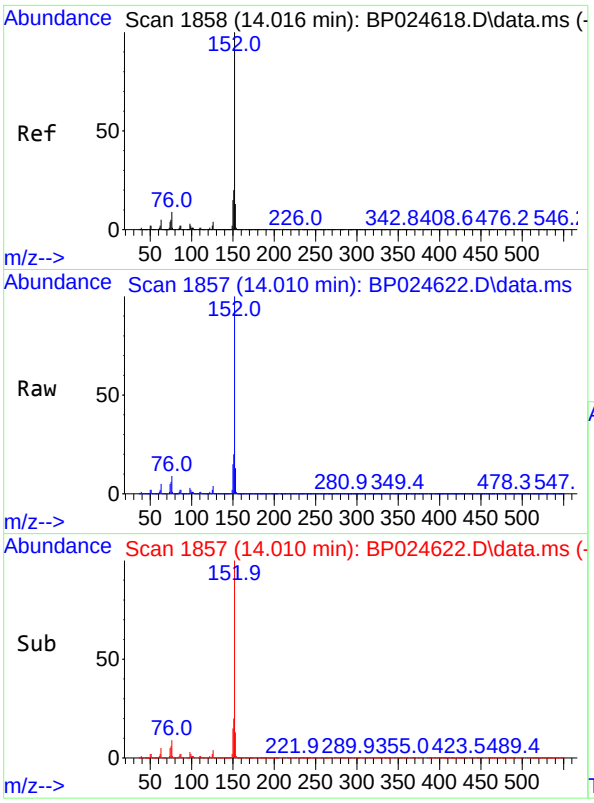


#48
2-Nitroaniline
Concen: 40.60 ng
RT: 13.369 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 65 Resp: 264965

Ion	Ratio	Lower	Upper
65	100		
92	71.2	58.7	88.1
138	108.5	90.2	135.2

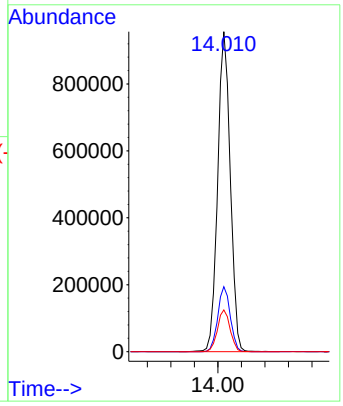




#49
Acenaphthylene
Concen: 38.49 ng
RT: 14.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:152 Resp: 141982

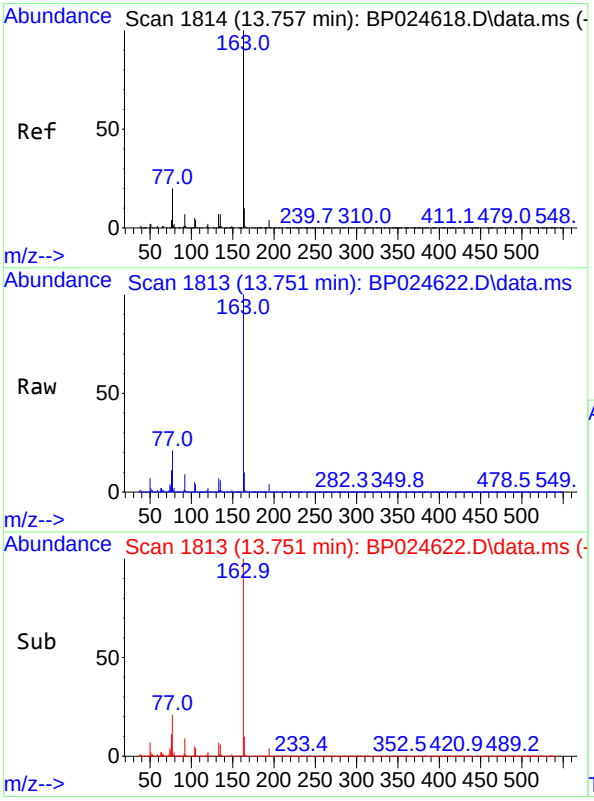
Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.4
153	13.0	10.2	15.4



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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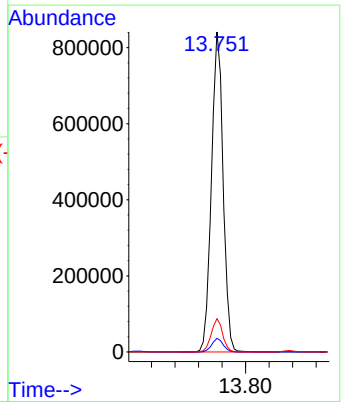
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

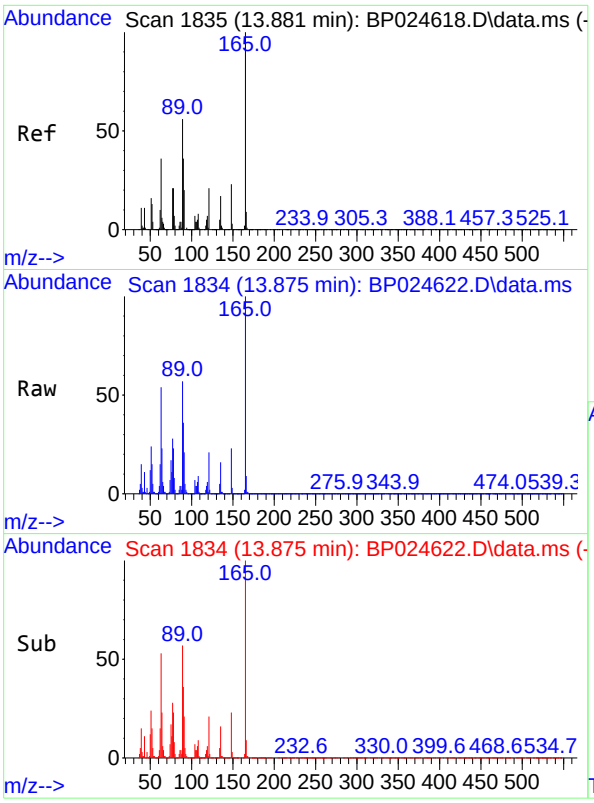


#50
Dimethylphthalate
Concen: 38.75 ng
RT: 13.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:163 Resp: 1155211

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	10.4	8.1	12.1





#51
2,6-Dinitrotoluene
Concen: 39.32 ng
RT: 13.875 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

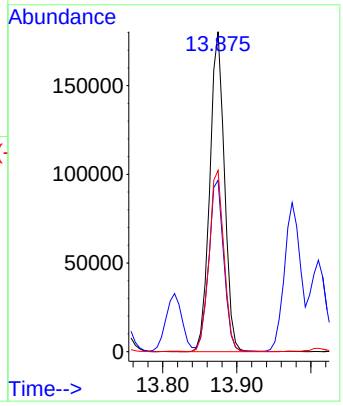
Tgt Ion:165 Resp: 24753

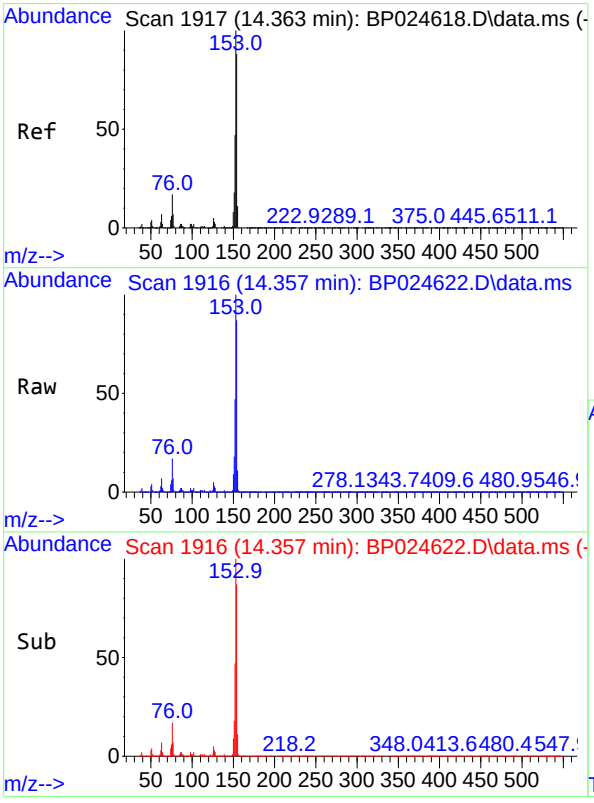
Ion	Ratio	Lower	Upper
165	100		
63	53.5	42.4	63.6
89	56.6	44.8	67.2

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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

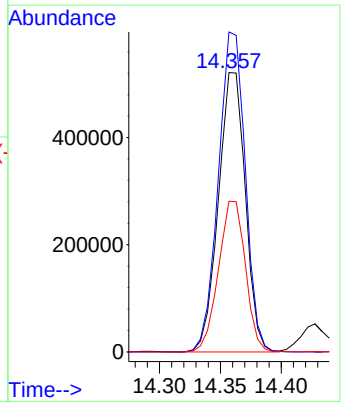


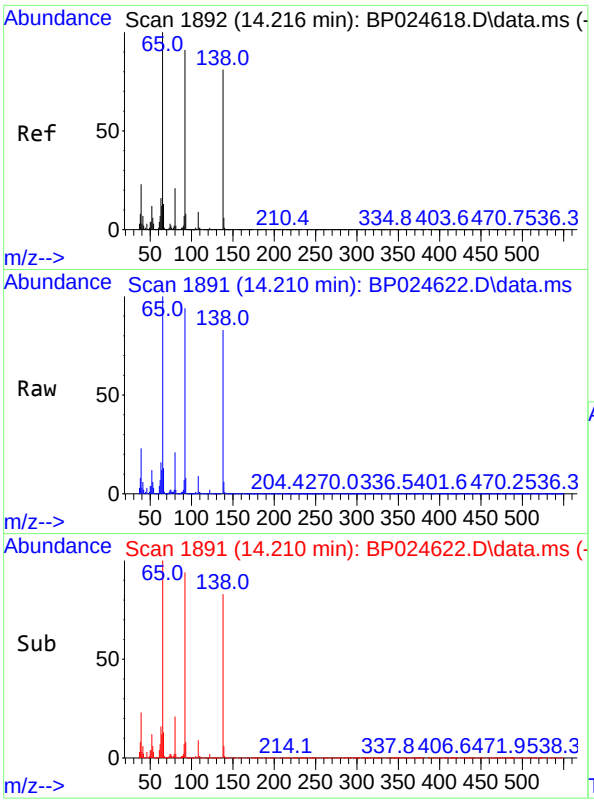


#52
Acenaphthene
Concen: 37.90 ng
RT: 14.357 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:154 Resp: 803755

Ion	Ratio	Lower	Upper
154	100		
153	114.5	91.0	136.4
152	54.0	42.9	64.3

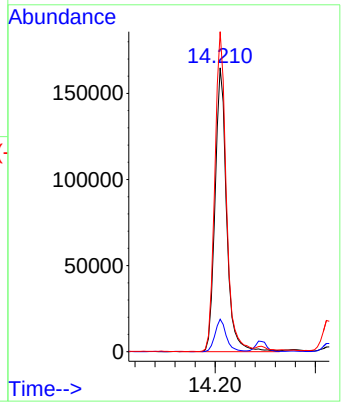




#53
3-Nitroaniline
Concen: 40.87 ng
RT: 14.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:138 Resp: 26273

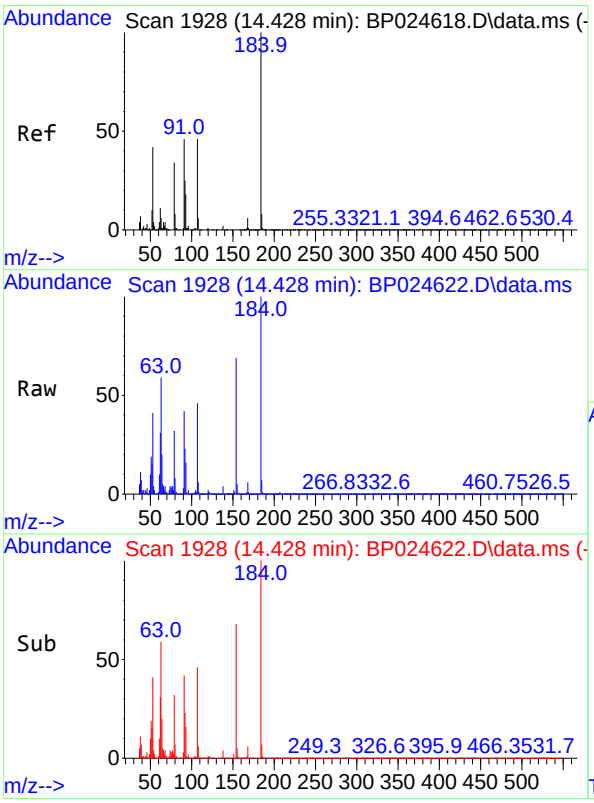
Ion	Ratio	Lower	Upper
138	100		
108	11.4	9.0	13.4
92	112.7	90.1	135.1



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations
APPROVED

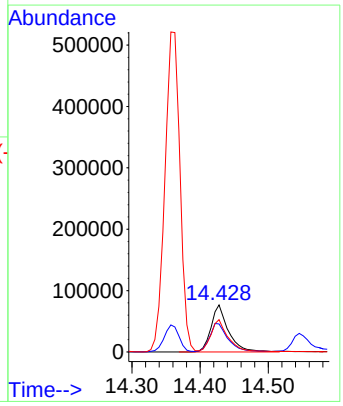
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

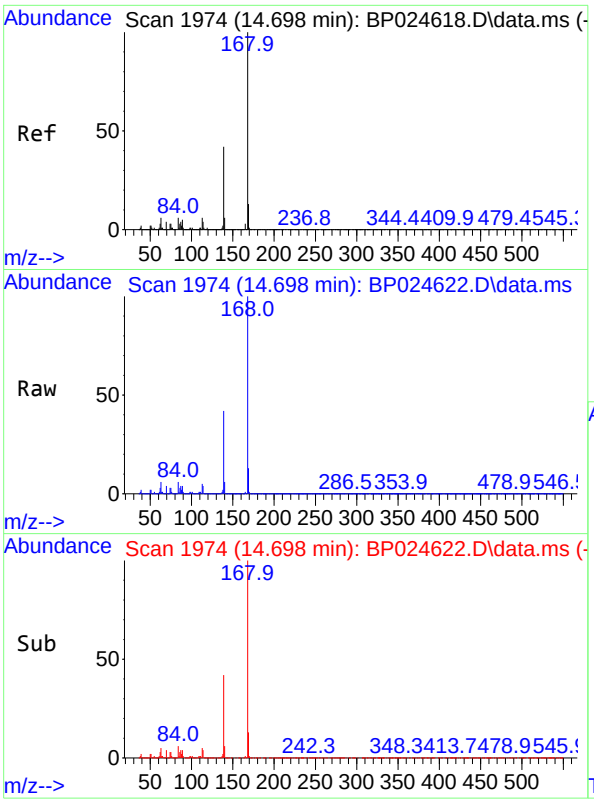


#54
2,4-Dinitrophenol
Concen: 37.83 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:184 Resp: 135624

Ion	Ratio	Lower	Upper
184	100		
63	59.3	51.3	76.9
154	68.5	53.5	80.3

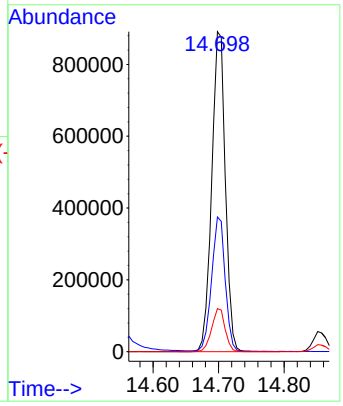




#55
Dibenzofuran
Concen: 37.91 ng
RT: 14.698 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:168 Resp: 128222

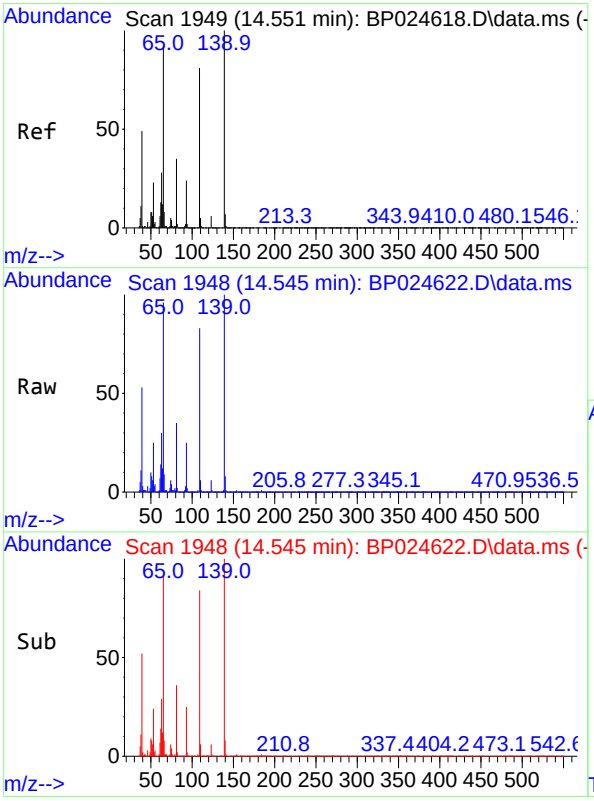
Ion	Ratio	Lower	Upper
168	100		
139	42.1	34.2	51.4
169	13.5	10.8	16.2



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations
APPROVED

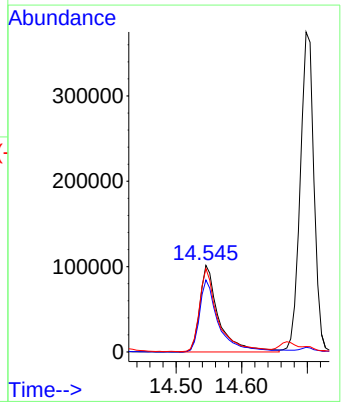
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

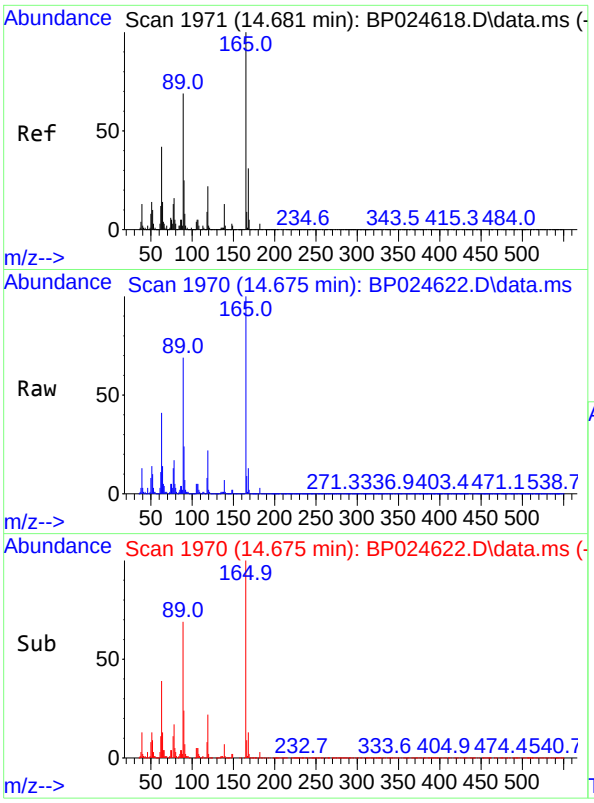


#56
4-Nitrophenol
Concen: 38.70 ng
RT: 14.545 min Scan# 1948
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:139 Resp: 202528

Ion	Ratio	Lower	Upper
139	100		
109	83.2	61.4	101.4
65	96.3	72.2	112.2

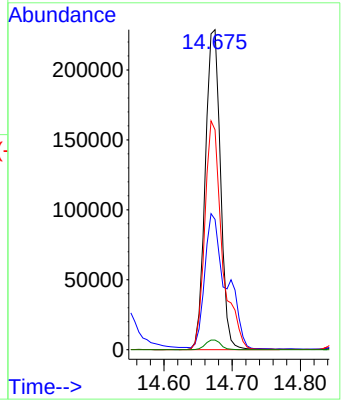




#57
2,4-Dinitrotoluene
Concen: 39.97 ng
RT: 14.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:165 Resp: 35481

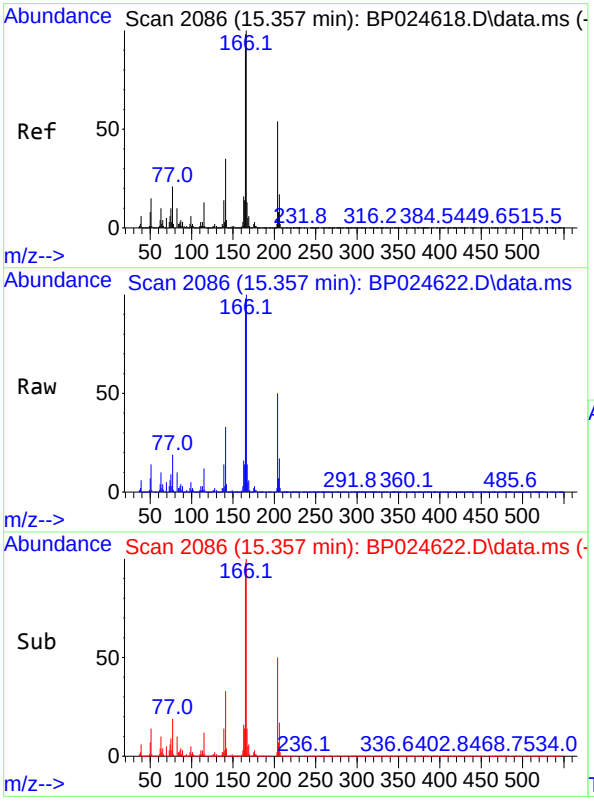
Ion	Ratio	Lower	Upper
165	100		
63	40.7	33.8	50.6
89	68.7	55.6	83.4
182	3.0	2.4	3.6



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations
APPROVED

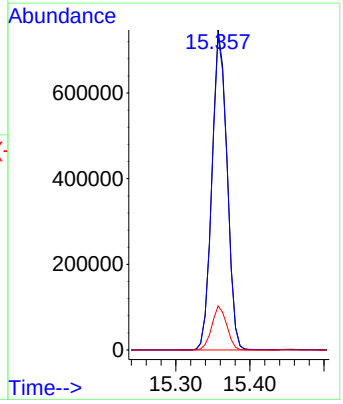
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

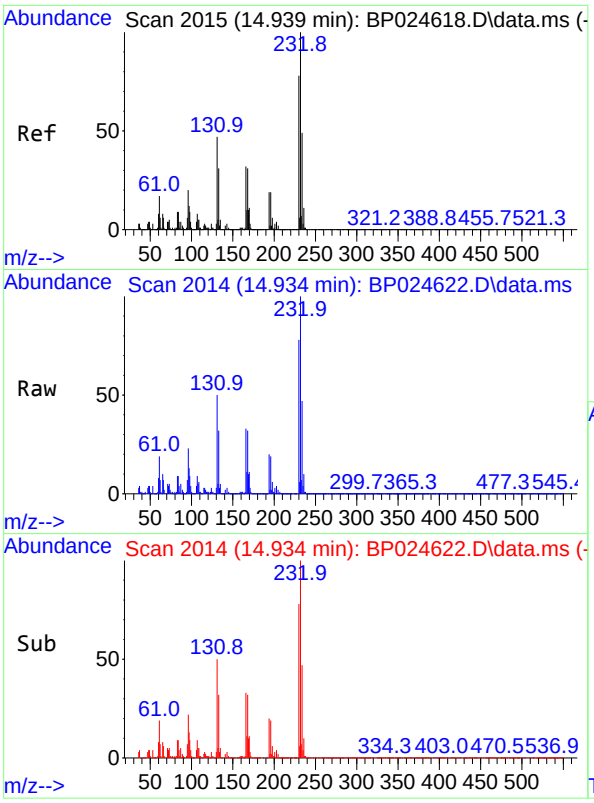


#58
Fluorene
Concen: 38.42 ng
RT: 15.357 min Scan# 2086
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:166 Resp: 1059642

Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.5	117.7
167	13.8	10.7	16.1

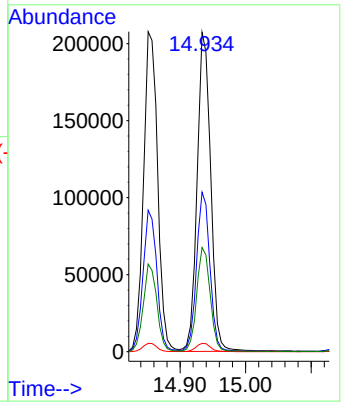




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.27 ng
RT: 14.934 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:232 Resp: 29832

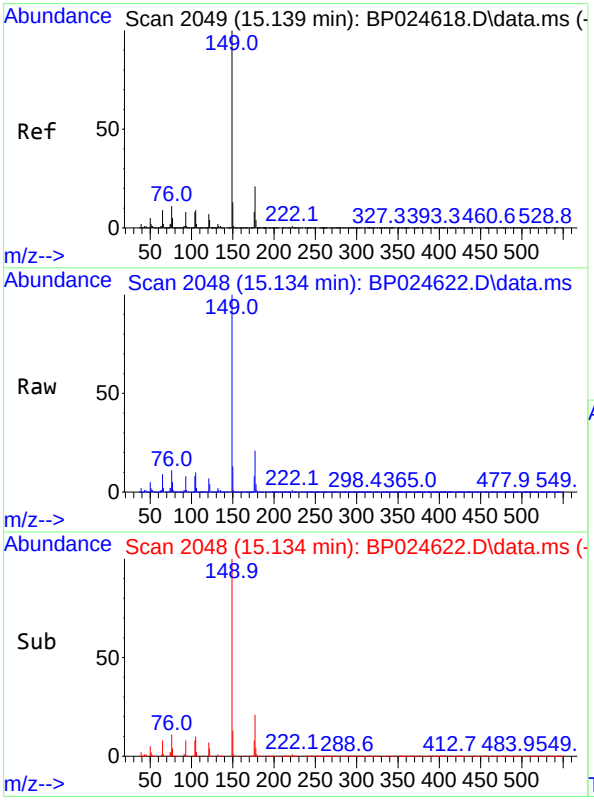
Ion	Ratio	Lower	Upper
232	100		
131	48.9	39.5	59.3
130	2.8	2.2	3.4
166	32.5	25.7	38.5



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations
APPROVED

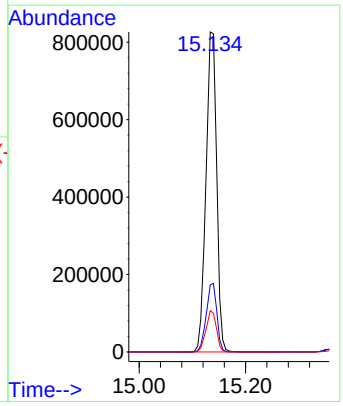
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

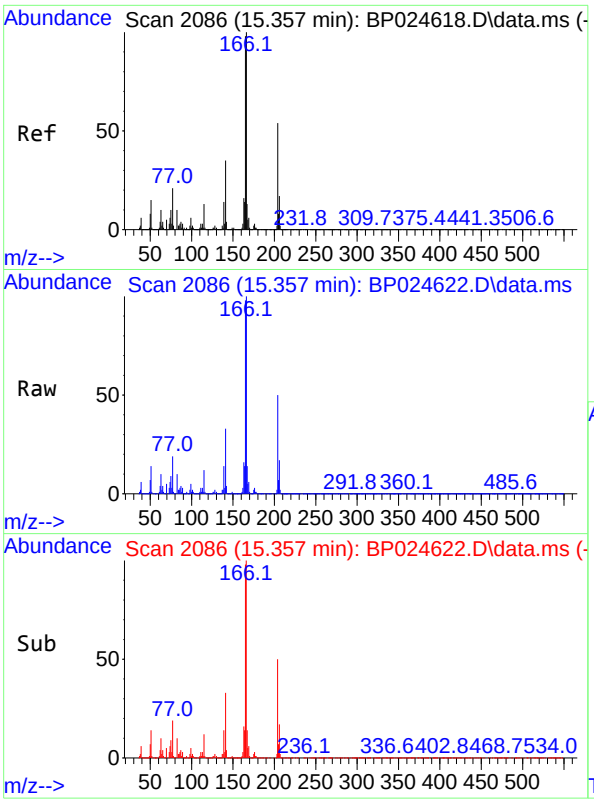


#60
Diethylphthalate
Concen: 38.17 ng
RT: 15.134 min Scan# 2048
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:149 Resp: 1150091

Ion	Ratio	Lower	Upper
149	100		
177	21.0	16.7	25.1
150	12.9	10.2	15.2





#61
4-Chlorophenyl-phenylether
Concen: 38.25 ng
RT: 15.357 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

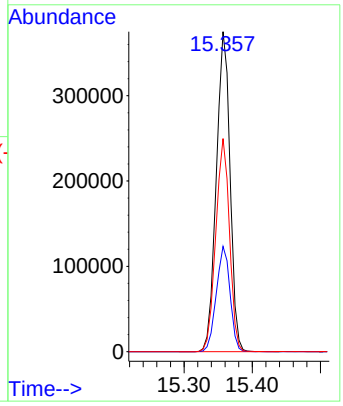
Tgt Ion:204 Resp: 52606

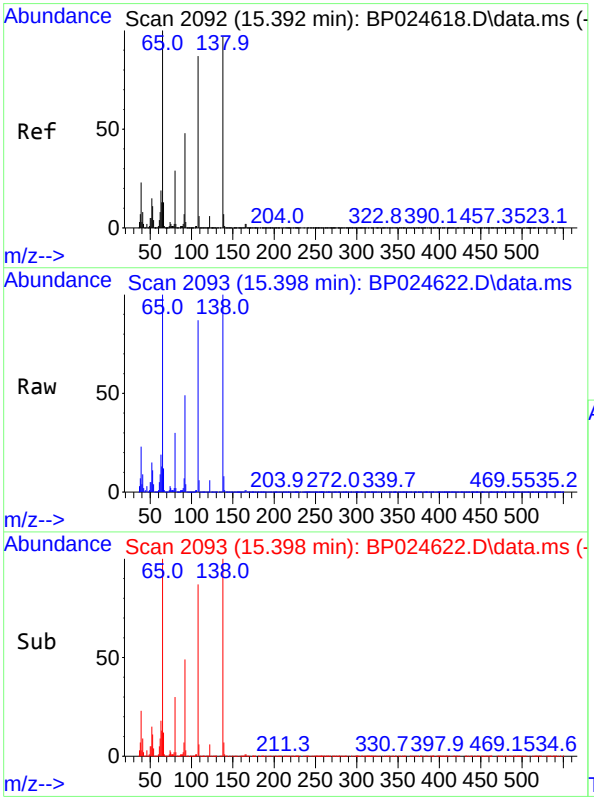
Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.0	39.0
141	66.6	52.9	79.3

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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

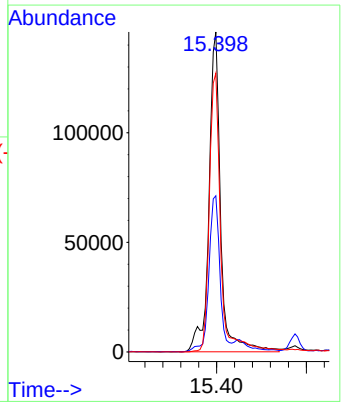


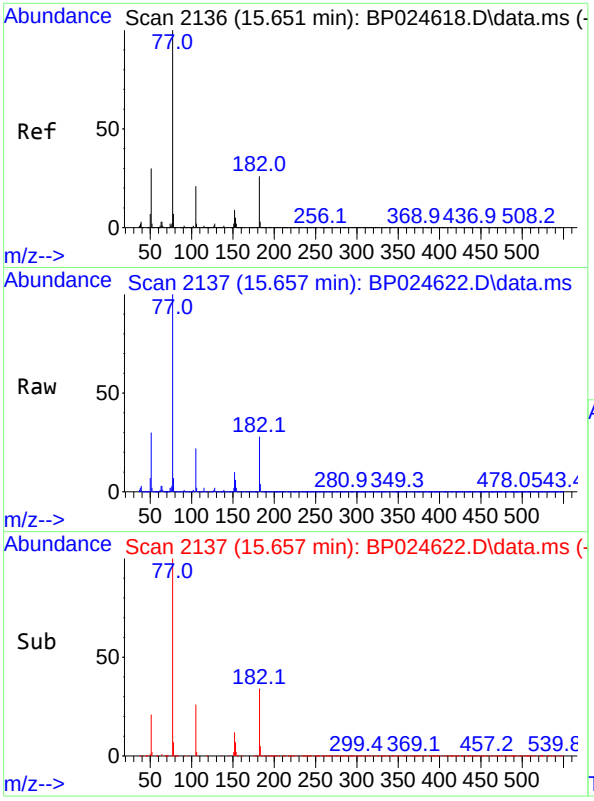


#62
4-Nitroaniline
Concen: 42.72 ng
RT: 15.398 min Scan# 2093
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:138 Resp: 265185

Ion	Ratio	Lower	Upper
138	100		
92	48.8	29.2	69.2
108	87.1	69.0	109.0

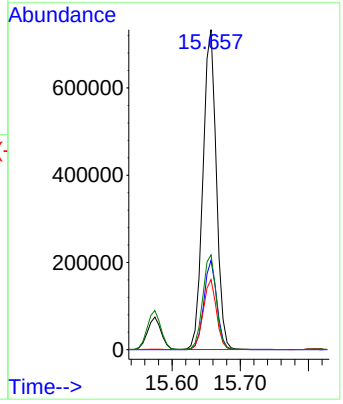




#63
Azobenzene
Concen: 38.82 ng
RT: 15.657 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 77 Resp: 100065

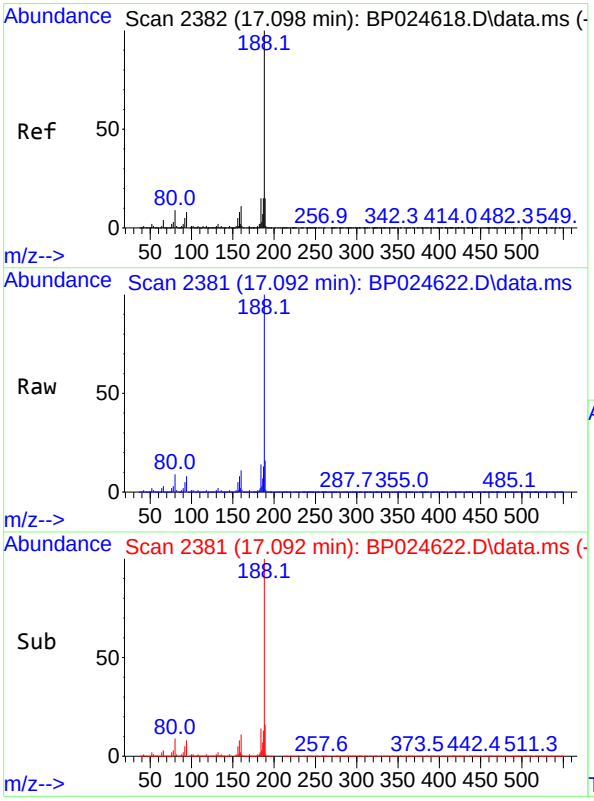
Ion	Ratio	Lower	Upper
77	100		
182	27.9	5.7	45.7
105	21.9	1.3	41.3
51	29.7	10.6	50.6



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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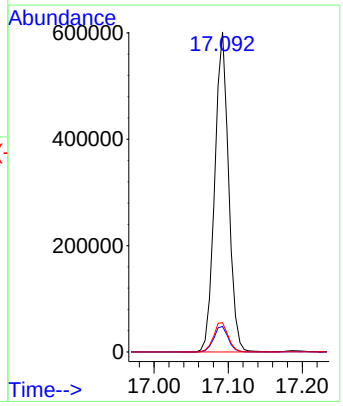
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

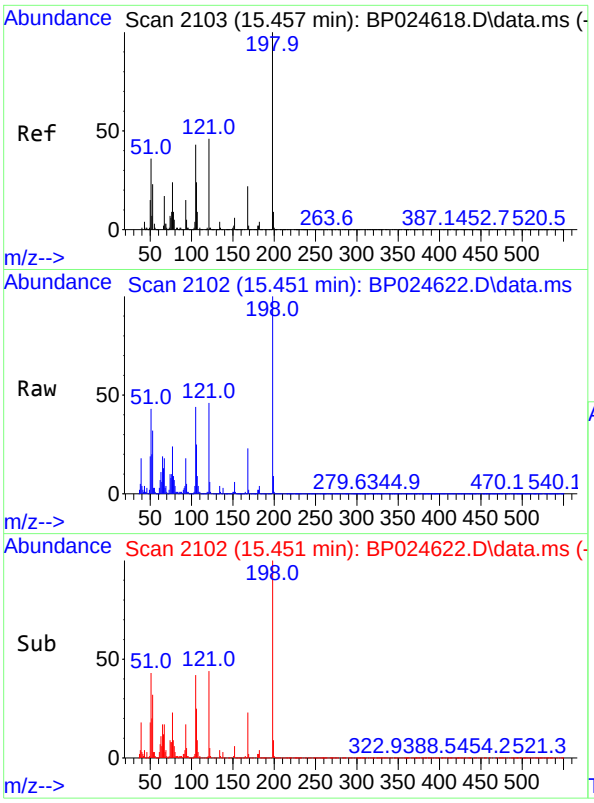


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.092 min Scan# 2381
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:188 Resp: 780511

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.5	9.7
80	9.2	7.3	10.9





#65
4,6-Dinitro-2-methylphenol
Concen: 40.30 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

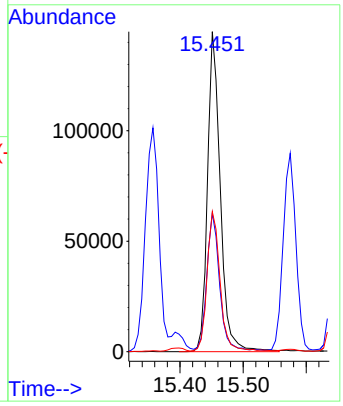
Tgt Ion:198 Resp: 20320

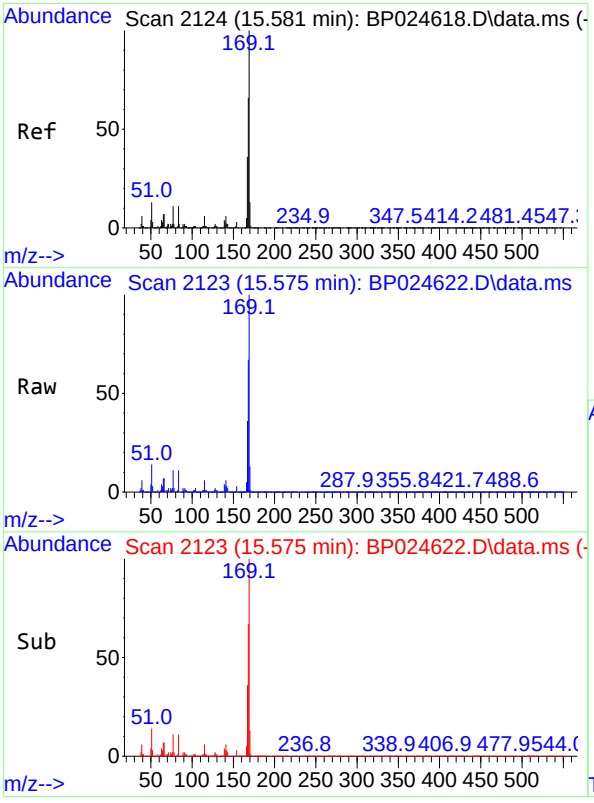
Ion	Ratio	Lower	Upper
198	100		
51	43.2	21.1	61.1
105	43.8	23.6	63.6

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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

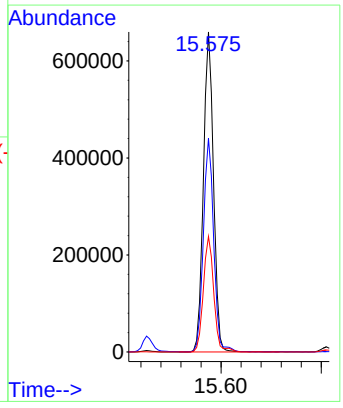


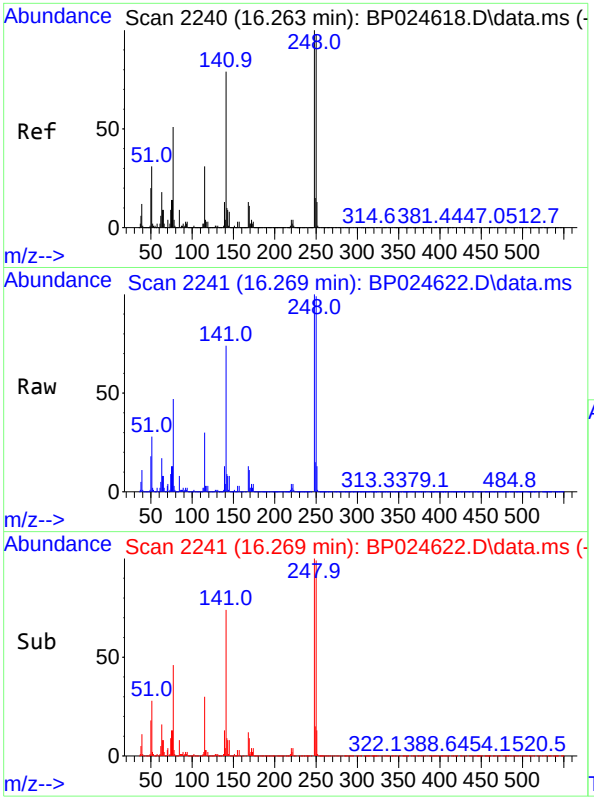


#66
n-Nitrosodiphenylamine
Concen: 38.38 ng
RT: 15.575 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:169 Resp: 920187

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.2	79.8
167	36.1	28.6	43.0

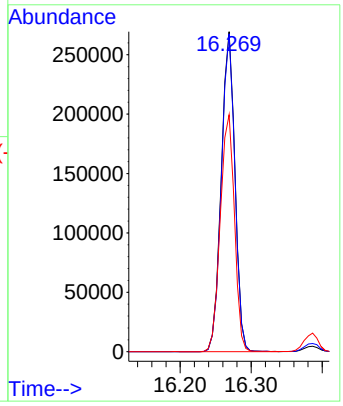




#67
4-Bromophenyl-phenylether
Concen: 38.91 ng
RT: 16.269 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:248 Resp: 35784

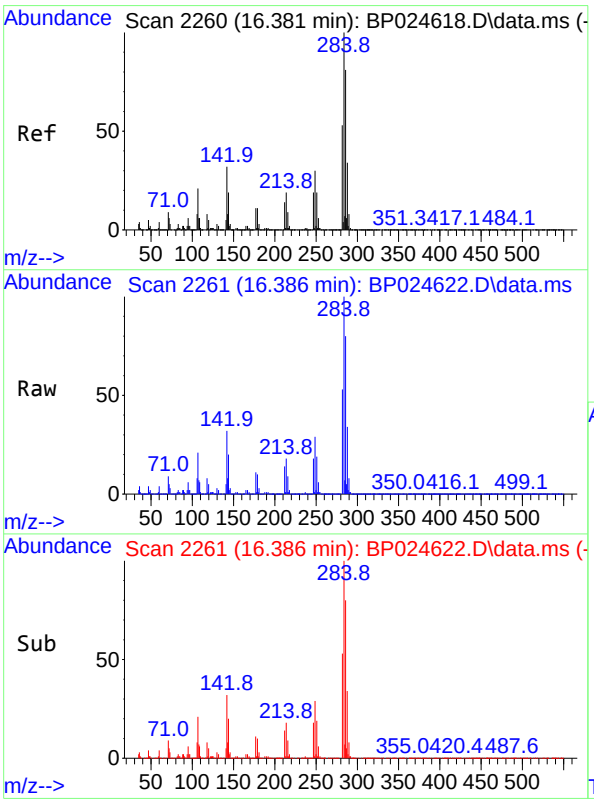
Ion	Ratio	Lower	Upper
248	100		
250	99.3	78.2	117.4
141	74.1	63.0	94.6



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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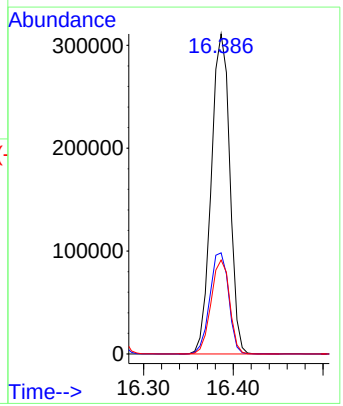
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

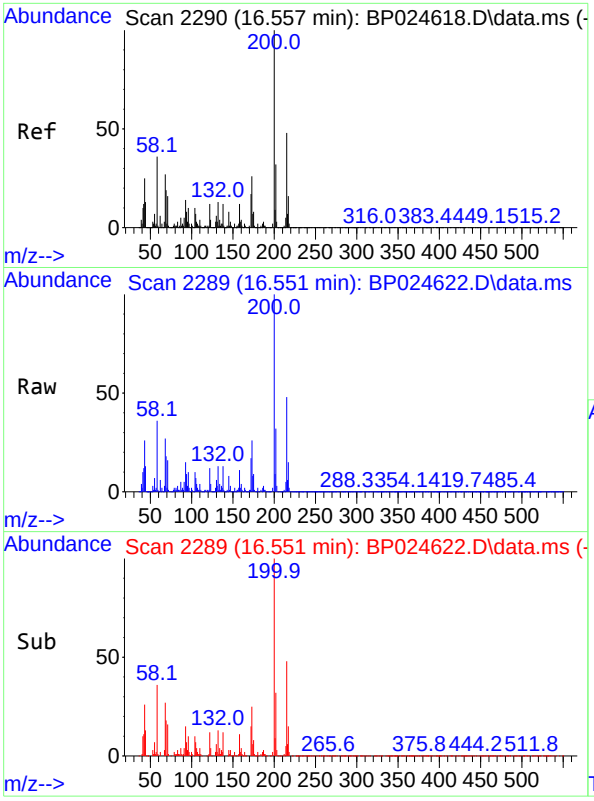


#68
Hexachlorobenzene
Concen: 38.18 ng
RT: 16.386 min Scan# 2261
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:284 Resp: 446142

Ion	Ratio	Lower	Upper
284	100		
142	31.6	25.9	38.9
249	29.3	24.1	36.1

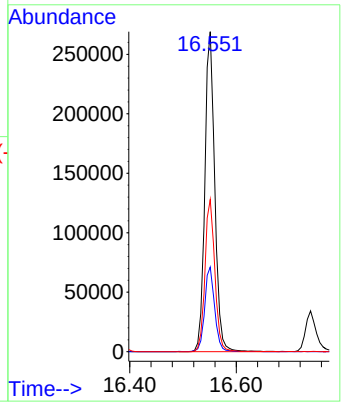




#69
Atrazine
Concen: 39.57 ng
RT: 16.551 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:200 Resp: 34766

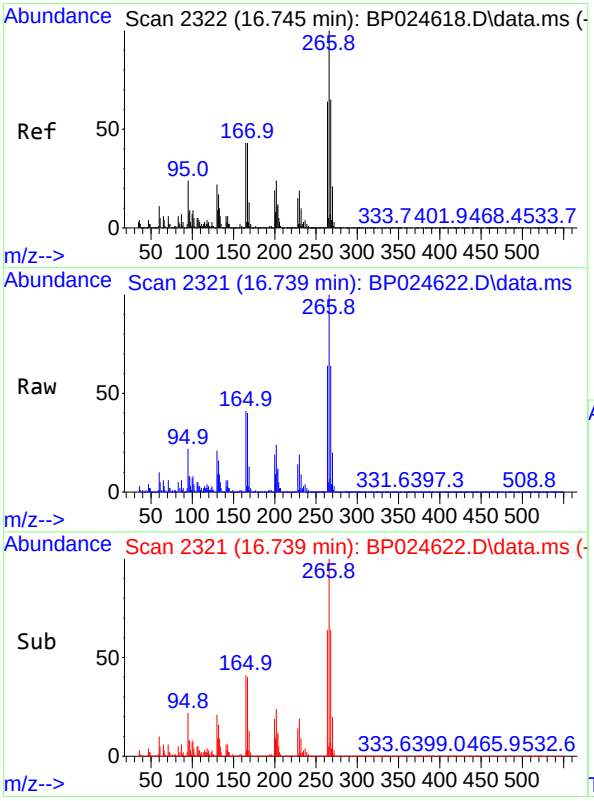
Ion	Ratio	Lower	Upper
200	100		
173	26.4	5.9	45.9
215	47.6	28.3	68.3



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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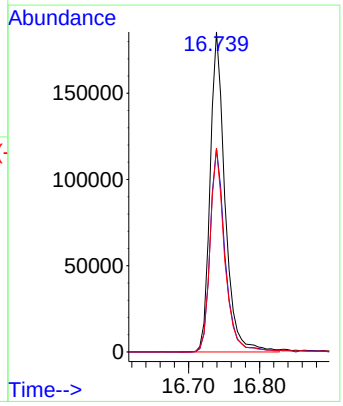
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

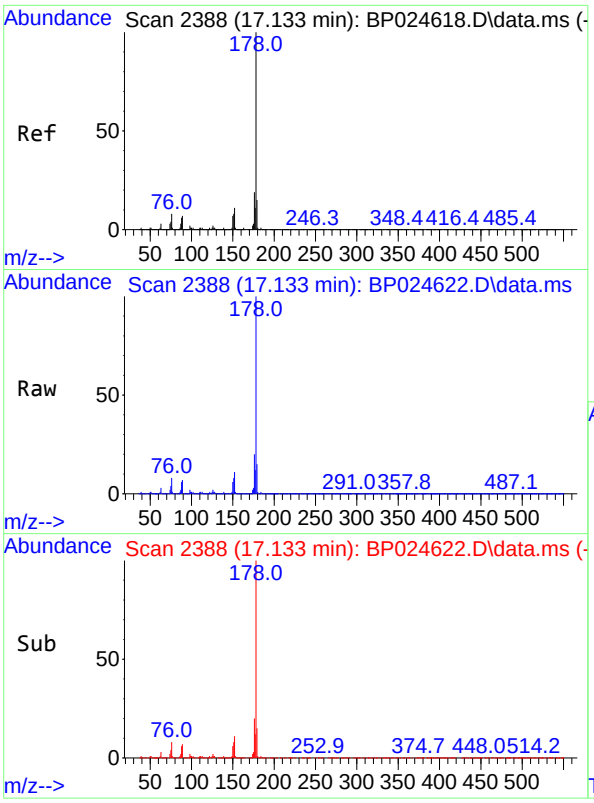


#70
Pentachlorophenol
Concen: 41.12 ng
RT: 16.739 min Scan# 2321
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:266 Resp: 269781

Ion	Ratio	Lower	Upper
266	100		
268	63.7	52.2	78.4
264	63.6	51.1	76.7

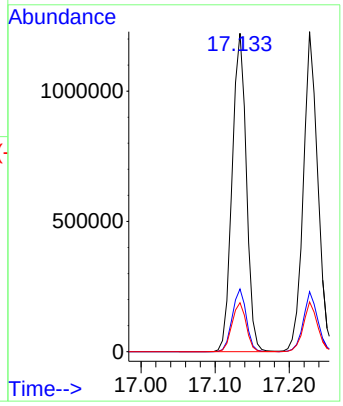




#71
Phenanthrene
Concen: 37.55 ng
RT: 17.133 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:178 Resp: 162911

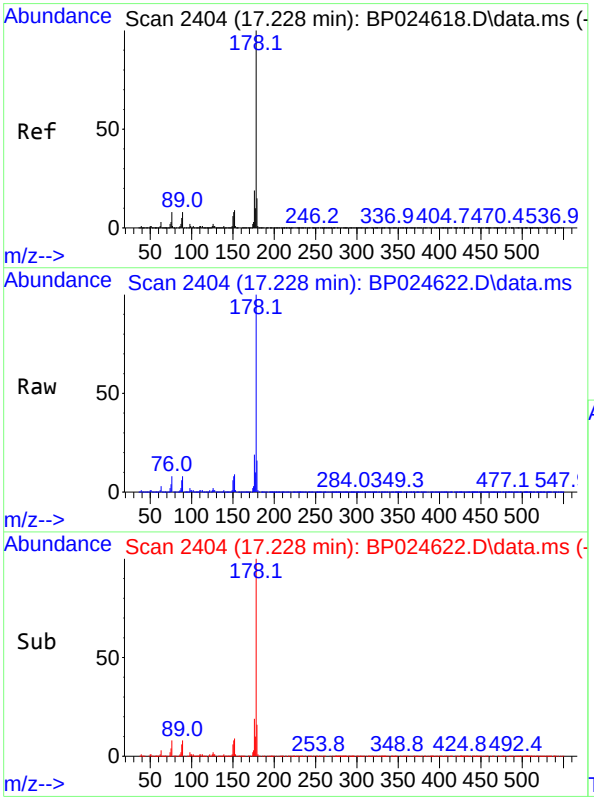
Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.2
179	15.4	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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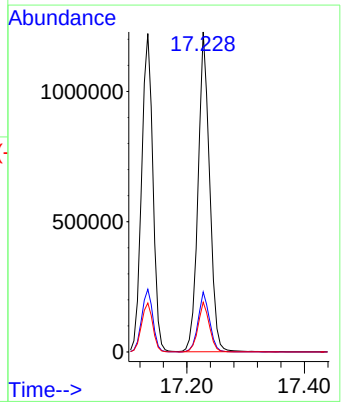
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

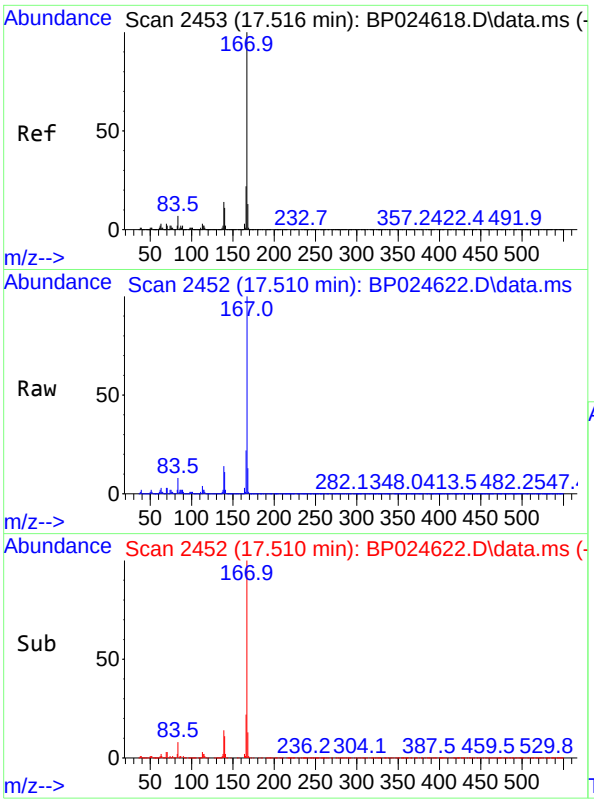


#72
Anthracene
Concen: 38.24 ng
RT: 17.228 min Scan# 2404
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:178 Resp: 1669395

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.5	12.2	18.2

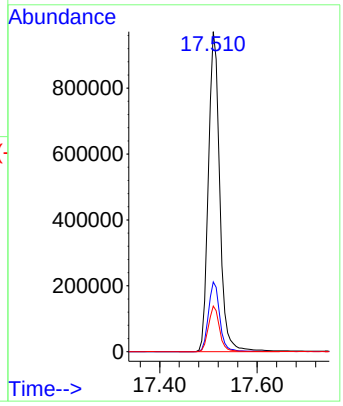




#73
Carbazole
Concen: 39.57 ng
RT: 17.510 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:167 Resp: 156368

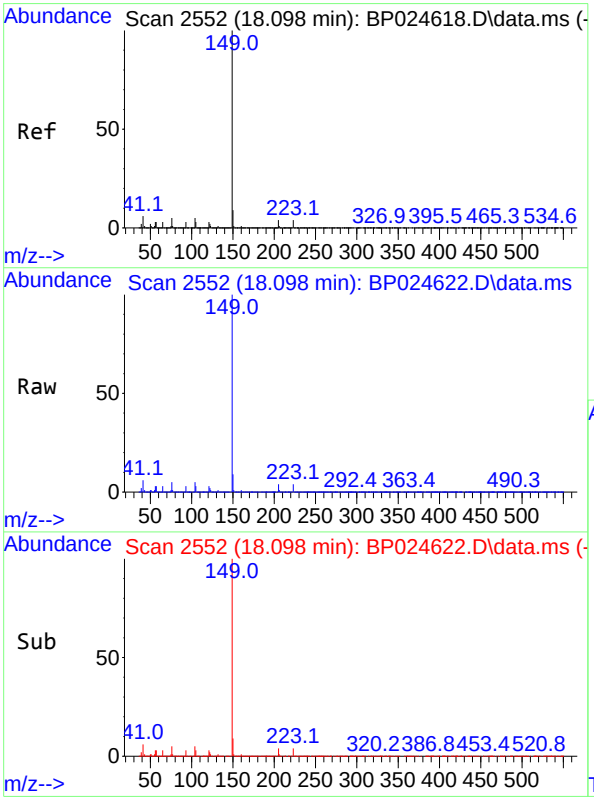
Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.7	26.5
139	14.2	11.3	16.9



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations
APPROVED

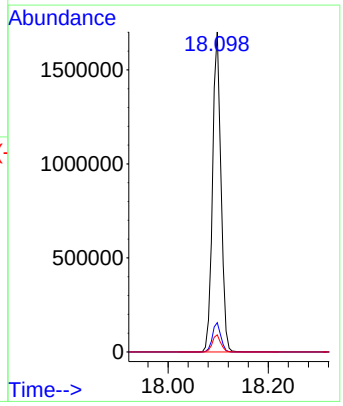
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

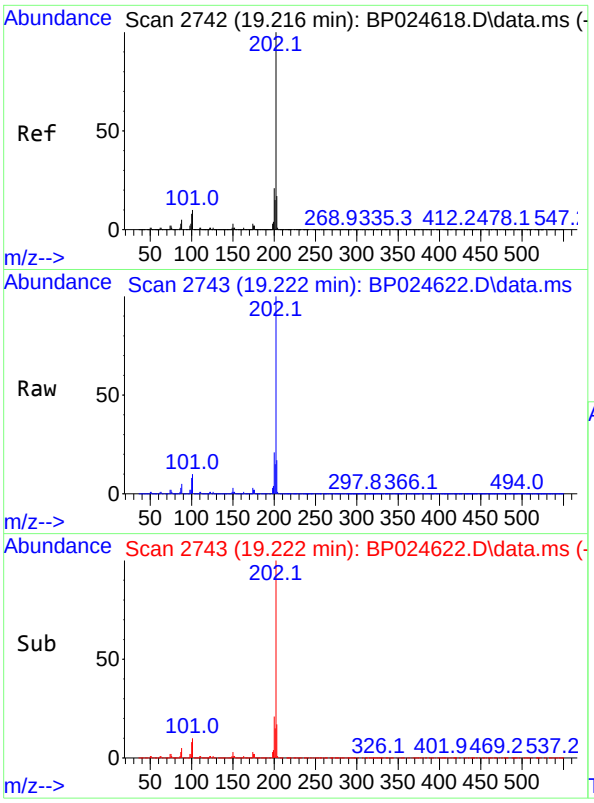


#74
Di-n-butylphthalate
Concen: 38.94 ng
RT: 18.098 min Scan# 2552
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:149 Resp: 1978741

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.2	10.8
104	5.4	4.3	6.5





#75
Fluoranthene
Concen: 38.57 ng
RT: 19.222 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

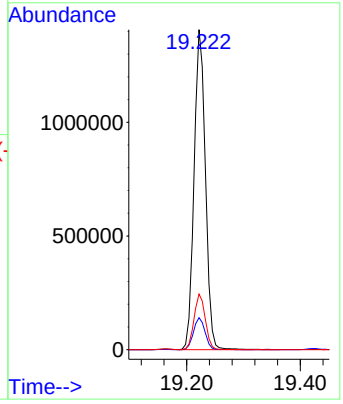
Instrument :
BNA_P
ClientSampleId :
ICVBP051325

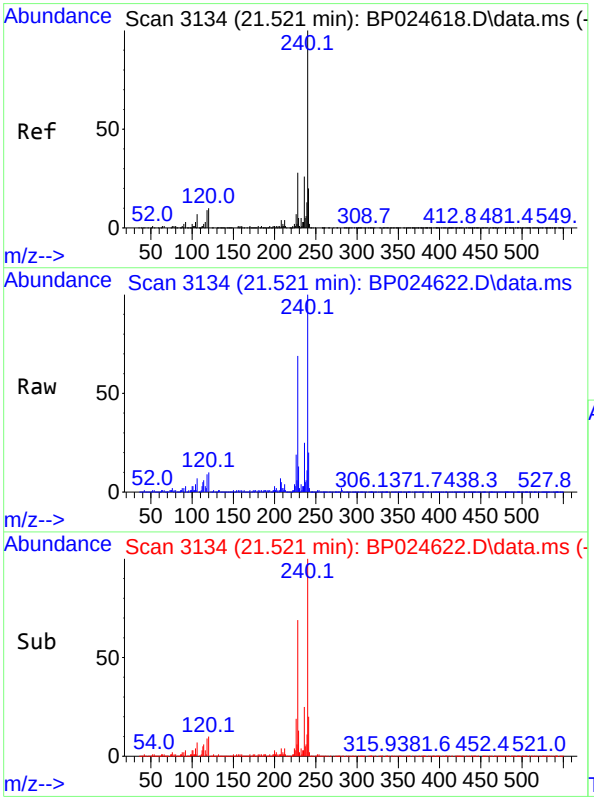
Tgt Ion:202 Resp: 195604

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	30.3
203	17.4	0.0	37.5

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

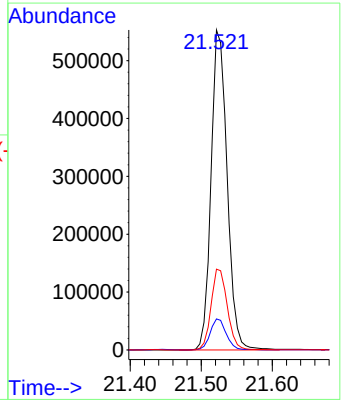


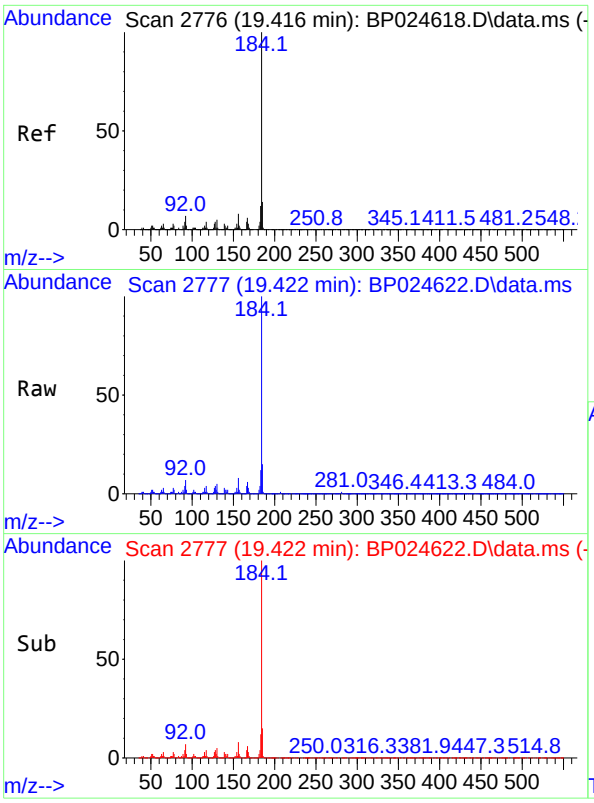


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.521 min Scan# 3134
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:240 Resp: 868822

Ion	Ratio	Lower	Upper
240	100		
120	9.7	7.8	11.6
236	25.2	20.6	31.0

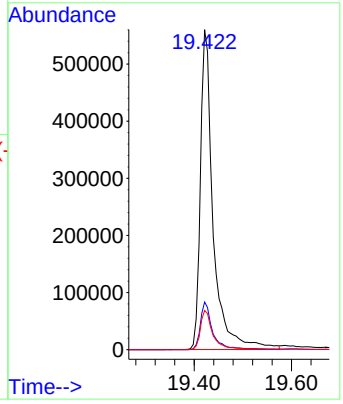




#77
Benzidine
Concen: 43.25 ng
RT: 19.422 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:184 Resp: 102351

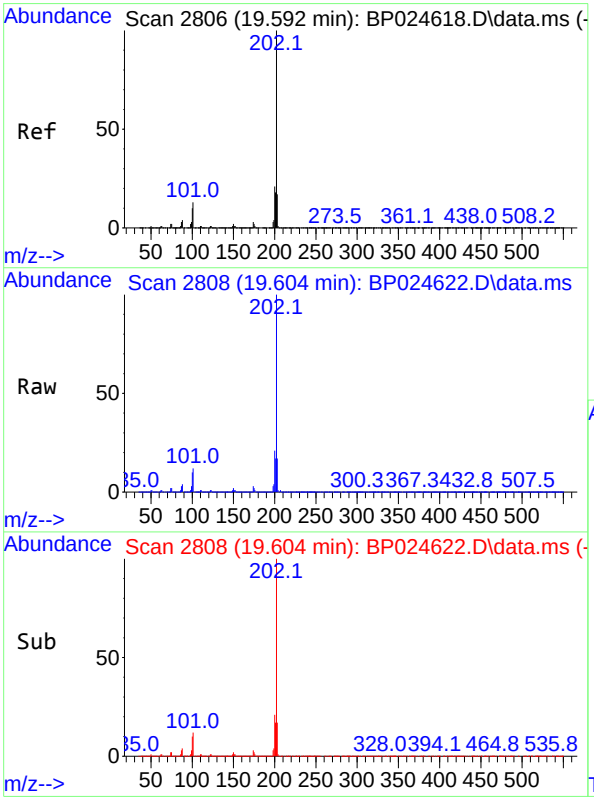
Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.2	16.8
183	12.3	9.8	14.8



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations APPROVED

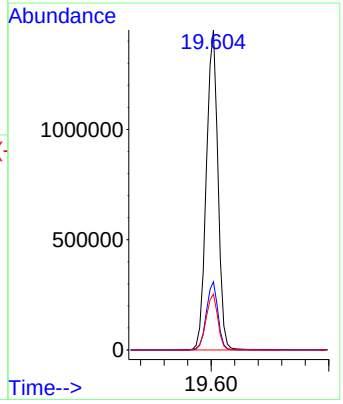
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

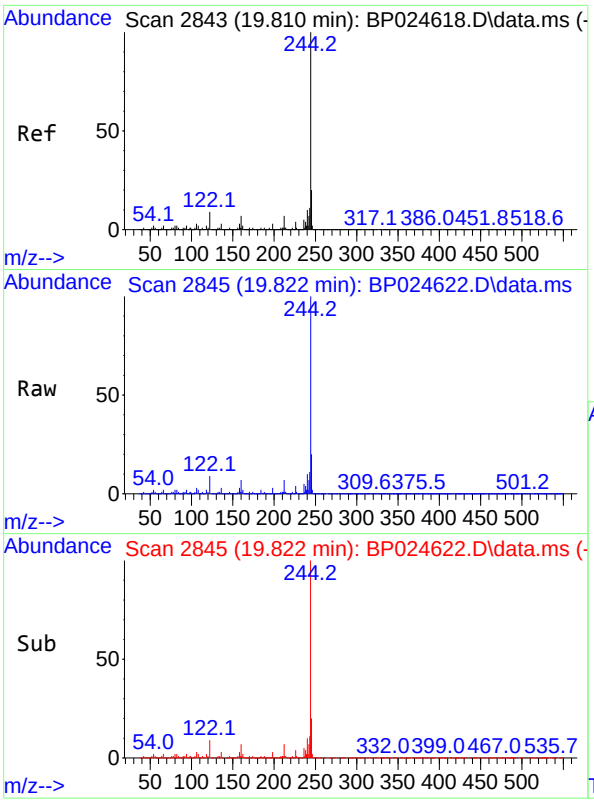


#78
Pyrene
Concen: 38.28 ng
RT: 19.604 min Scan# 2808
Delta R.T. 0.012 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:202 Resp: 1992845

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.9	25.3
203	17.5	13.9	20.9

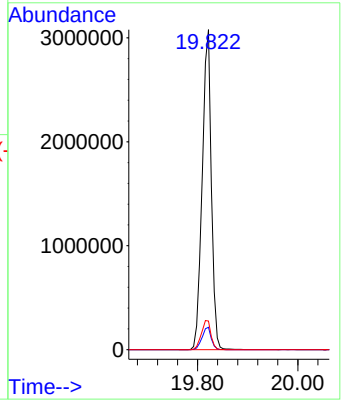




#79
Terphenyl-d14
Concen: 76.75 ng
RT: 19.822 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:244 Resp: 388900

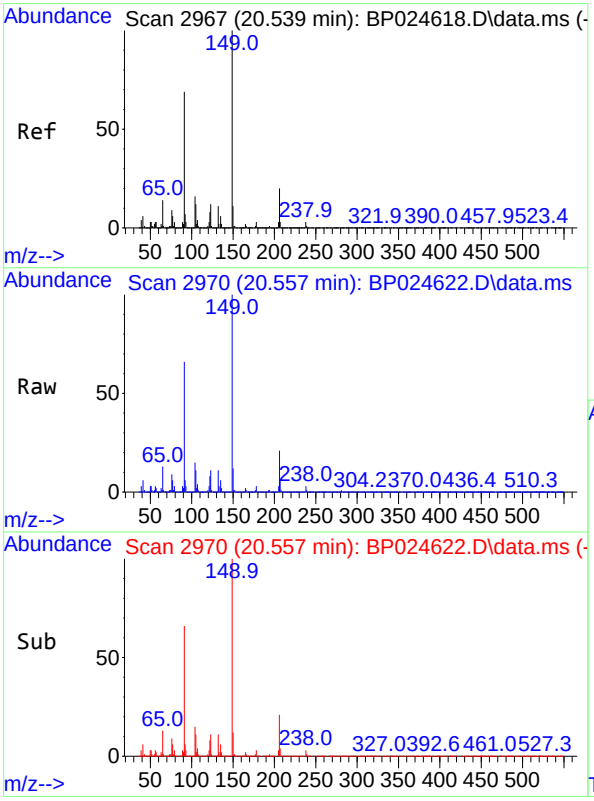
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	9.0	7.4	11.0



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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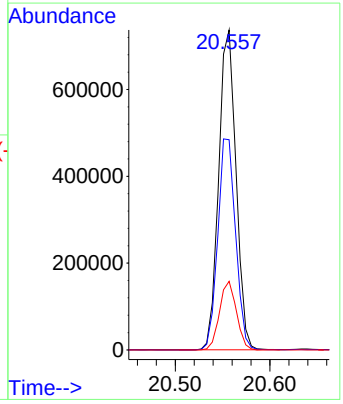
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

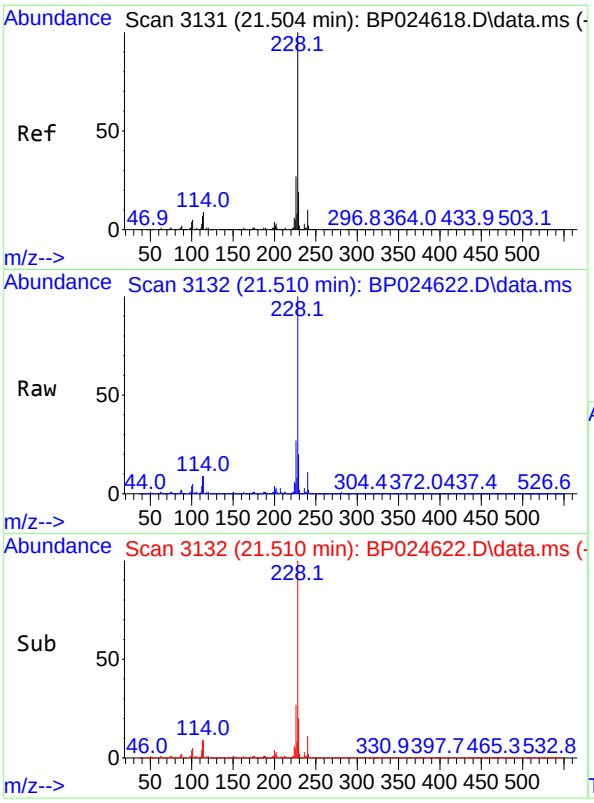


#80
Butylbenzylphthalate
Concen: 40.52 ng
RT: 20.557 min Scan# 2970
Delta R.T. 0.018 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:149 Resp: 938210

Ion	Ratio	Lower	Upper
149	100		
91	65.7	55.4	83.0
206	21.5	16.2	24.2

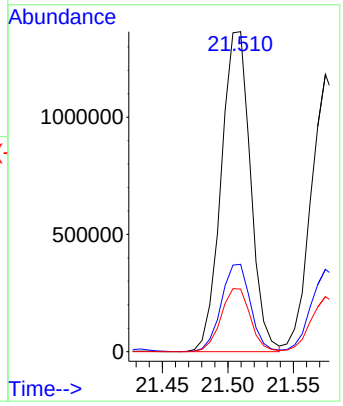




#81
Benzo(a)anthracene
Concen: 38.89 ng
RT: 21.510 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:228 Resp: 212156

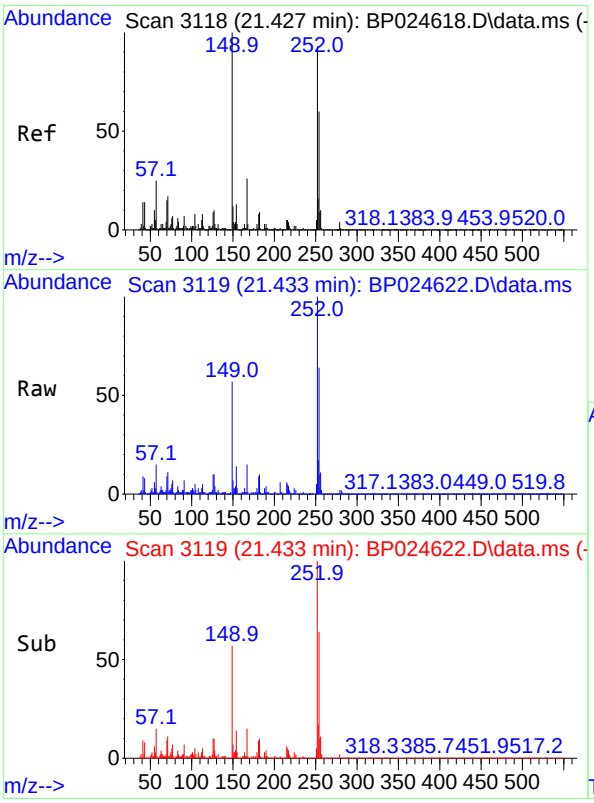
Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.4	32.0
229	19.6	15.5	23.3



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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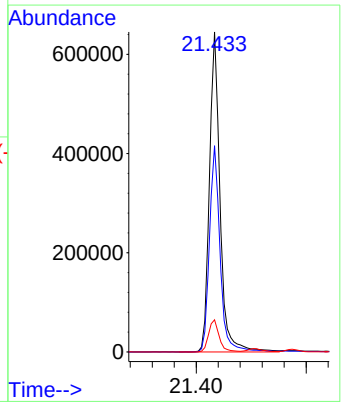
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

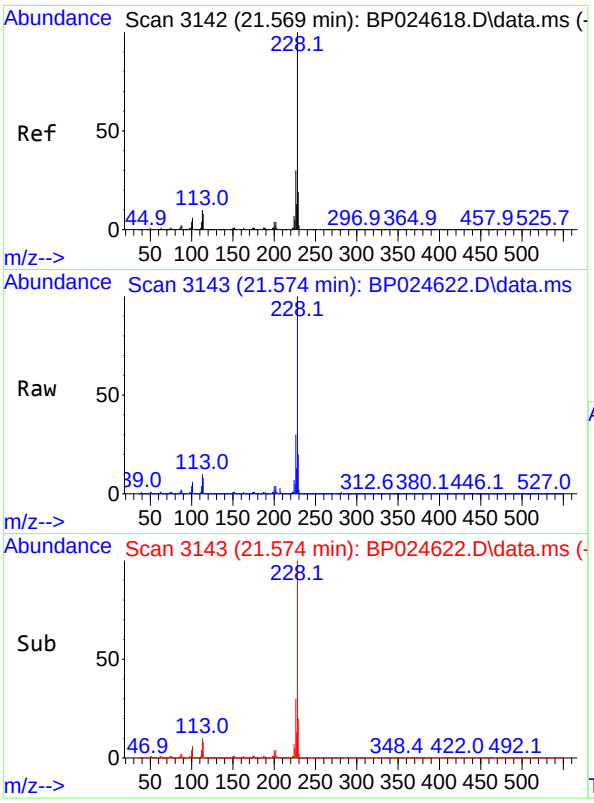


#82
3,3'-Dichlorobenzidine
Concen: 42.51 ng
RT: 21.433 min Scan# 3119
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:252 Resp: 861323

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.8	77.6
126	10.1	7.7	11.5

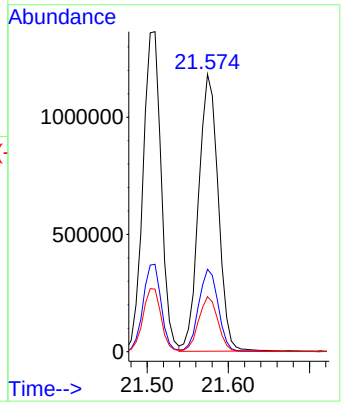




#83
Chrysene
Concen: 38.23 ng
RT: 21.574 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:228 Resp: 197694

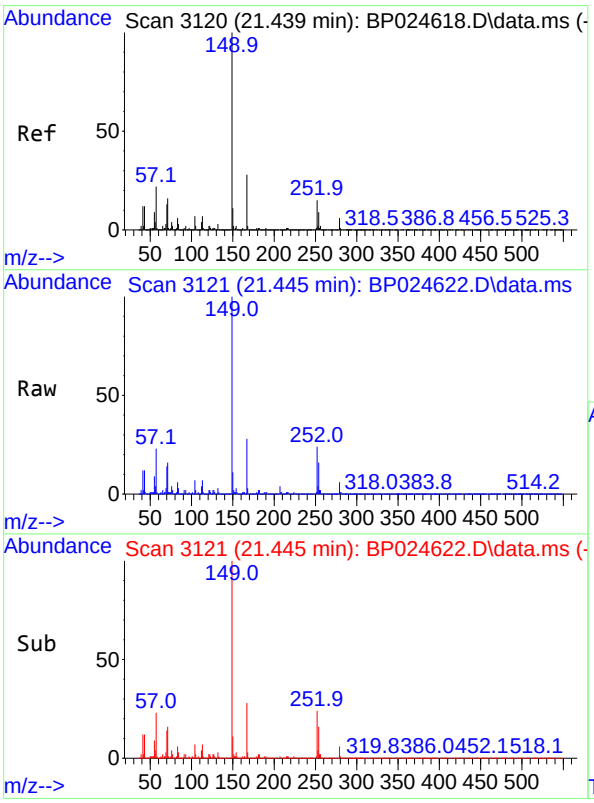
Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.9	35.9
229	19.9	15.5	23.3



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations
APPROVED

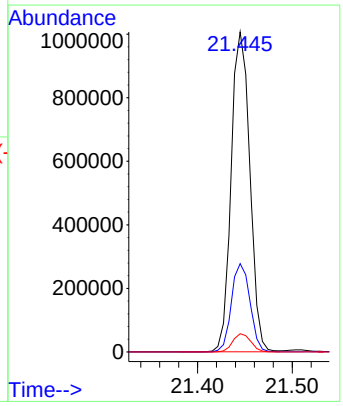
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

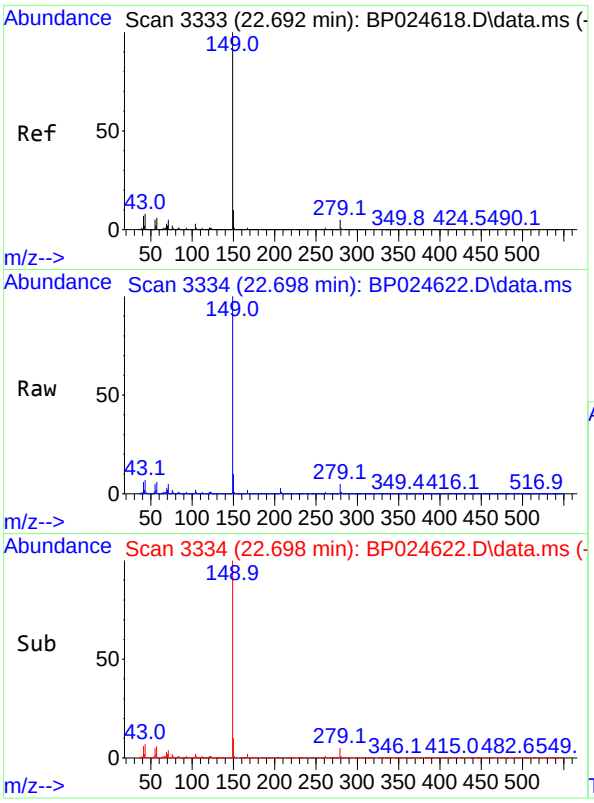


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.43 ng
RT: 21.445 min Scan# 3121
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:149 Resp: 1375919

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.1	33.1
279	5.7	4.6	6.8

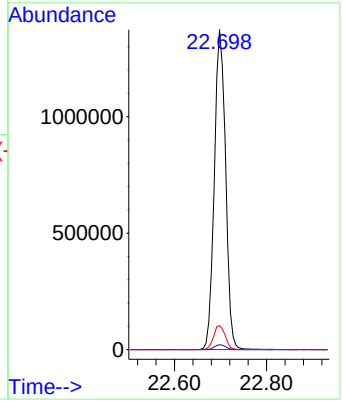




#85
Di-n-octyl phthalate
Concen: 41.72 ng
RT: 22.698 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:149 Resp: 232167

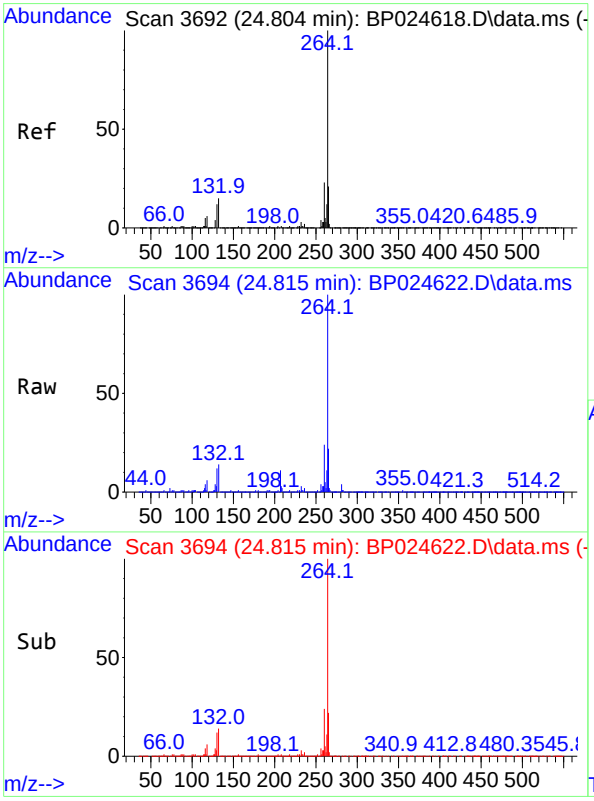
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.8	6.3	9.5



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations
APPROVED

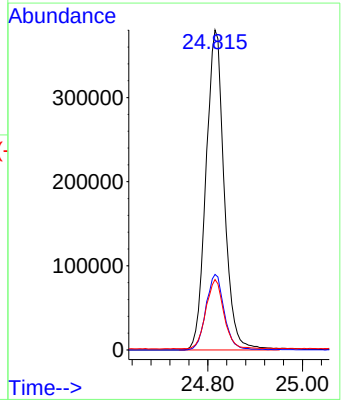
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

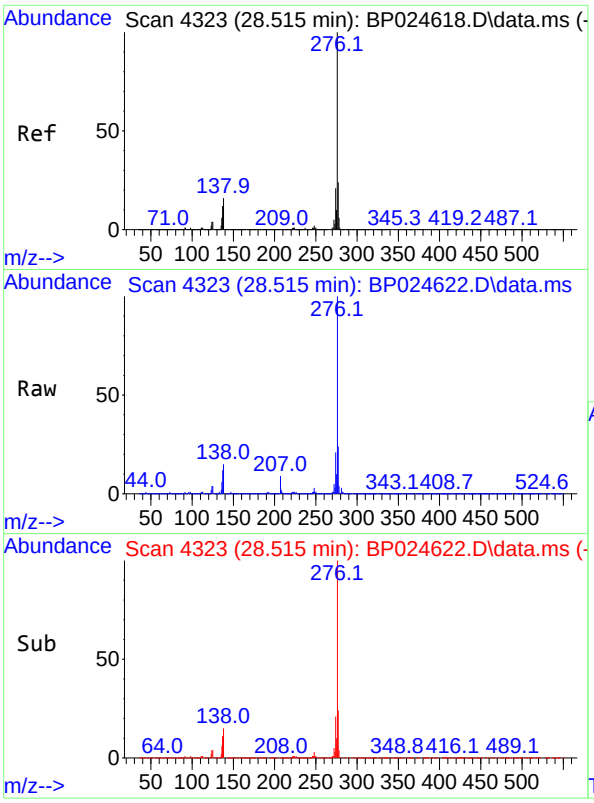


#86
Perylene-d12
Concen: 20.00 ng
RT: 24.815 min Scan# 3694
Delta R.T. 0.012 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:264 Resp: 1015341

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	22.0	17.0	25.6

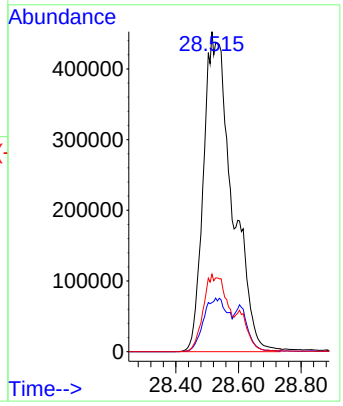




#87
Indeno(1,2,3-cd)pyrene
Concen: 38.85 ng m
RT: 28.515 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:276 Resp: 287986

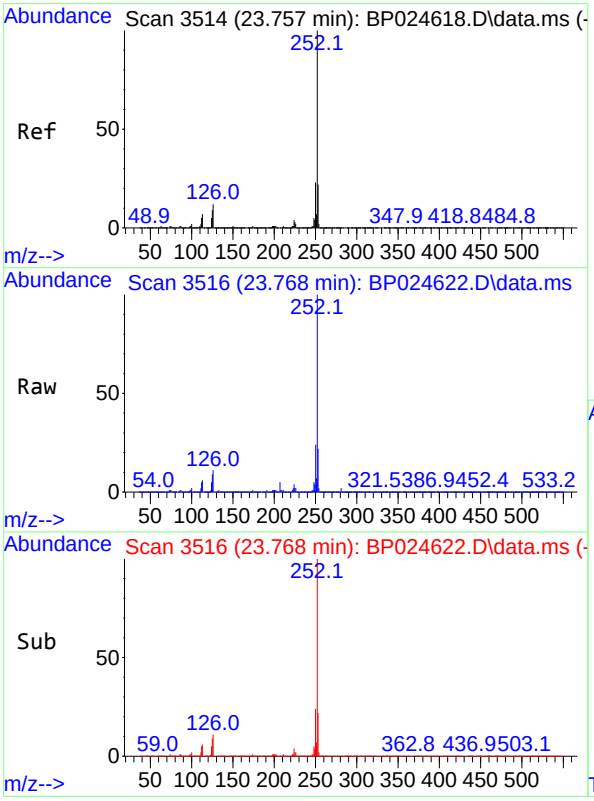
Ion	Ratio	Lower	Upper
276	100		
138	14.2	11.2	16.8
277	10.6	15.7	23.5



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations
APPROVED

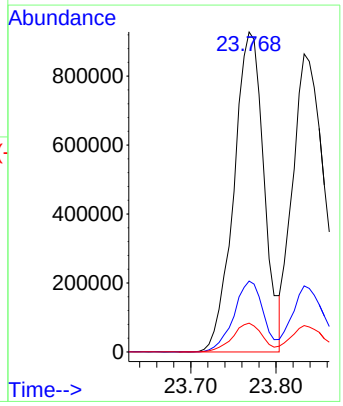
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

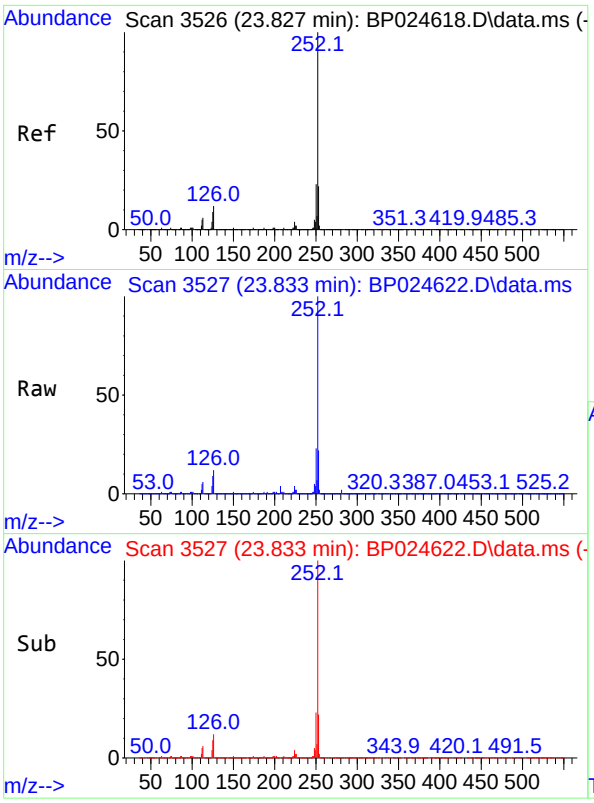


#88
Benzo(b)fluoranthene
Concen: 39.29 ng
RT: 23.768 min Scan# 3516
Delta R.T. 0.012 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:252 Resp: 2283322

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.0	7.5	11.3

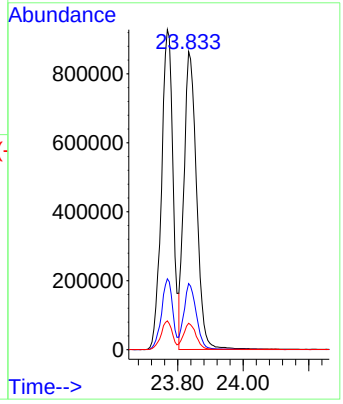




#89
Benzo(k)fluoranthene
Concen: 38.22 ng
RT: 23.833 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:252 Resp: 228900

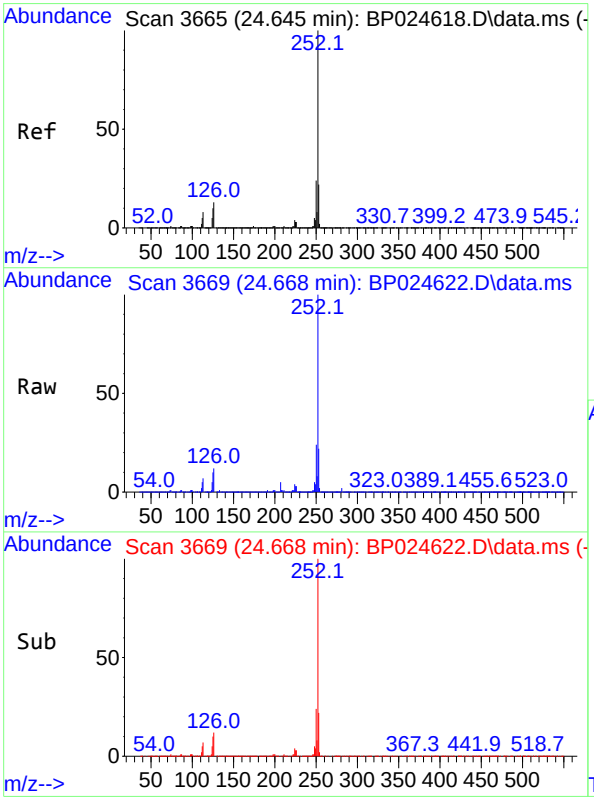
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	8.9	7.0	10.4



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations
APPROVED

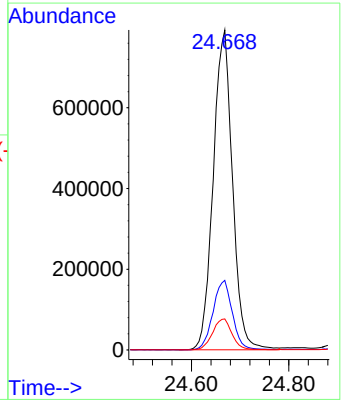
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

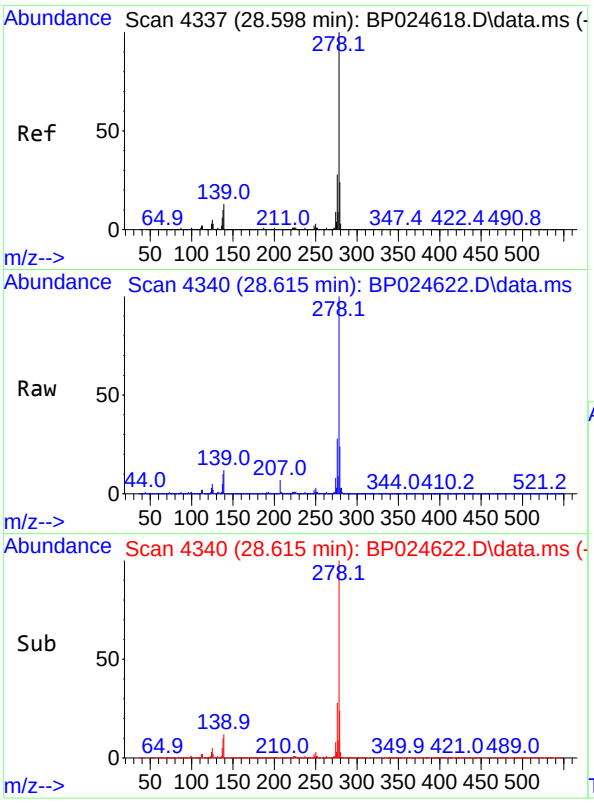


#90
Benzo(a)pyrene
Concen: 39.00 ng
RT: 24.668 min Scan# 3669
Delta R.T. 0.023 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:252 Resp: 2177020

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	9.7	8.1	12.1

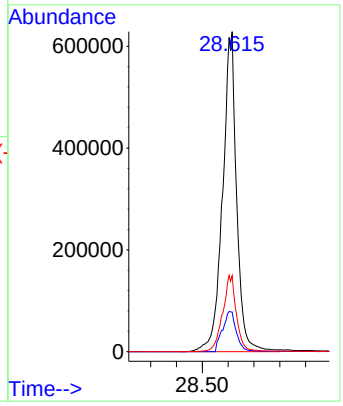




#91
Dibenzo(a,h)anthracene
Concen: 39.38 ng
RT: 28.615 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:278 Resp: 237455

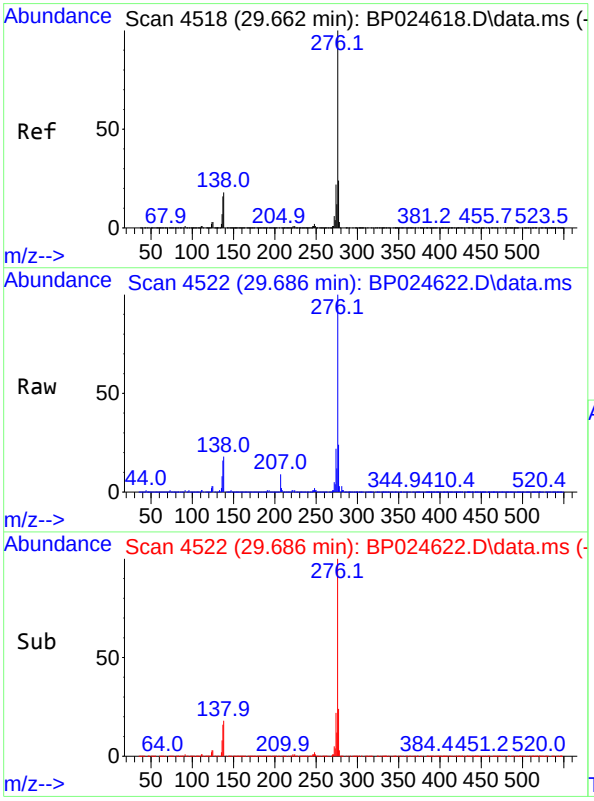
Ion	Ratio	Lower	Upper
278	100		
139	12.4	10.2	15.4
279	23.8	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations
APPROVED

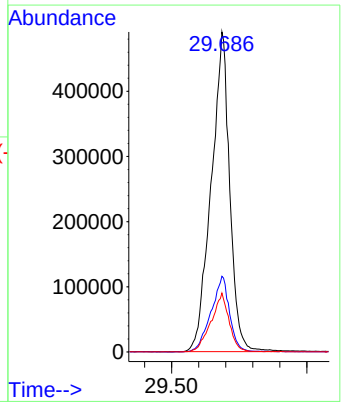
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025



#92
Benzo(g,h,i)perylene
Concen: 38.91 ng
RT: 29.686 min Scan# 4522
Delta R.T. 0.023 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:276 Resp: 2333151

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.4
138	18.4	14.4	21.6



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	119	0.00
2		1,4-Dioxane	0.549	0.505	8.0	119	0.00
3		Pyridine	1.218	1.203	1.2	120	0.00
4		n-Nitrosodimethylamine	0.538	0.510	5.2	118	0.00
5	S	2-Fluorophenol	1.169	1.139	2.6	123	0.00
6		Aniline	1.927	1.889	2.0	118	0.00
7	S	Phenol-d6	1.492	1.475	1.1	120	0.00
8		2-Chlorophenol	1.327	1.306	1.6	120	0.00
9		Benzaldehyde	0.966	0.943	2.4	118	0.00
10	C	Phenol	1.540	1.505	2.3	119	0.00
11		bis(2-Chloroethyl)ether	1.266	1.200	5.2	118	0.00
12		1,3-Dichlorobenzene	1.527	1.447	5.2	120	0.00
13	C	1,4-Dichlorobenzene	1.536	1.456	5.2	118	0.00
14		1,2-Dichlorobenzene	1.497	1.418	5.3	119	0.00
15		Benzyl Alcohol	1.134	1.149	-1.3	119	0.00
16		2,2'-oxybis(1-Chloropropane	1.516	1.441	4.9	117	0.00
17		2-Methylphenol	1.105	1.094	1.0	119	0.00
18		Hexachloroethane	0.589	0.548	7.0	119	0.00
19	P	n-Nitroso-di-n-propylamine	1.032	1.011	2.0	115	0.00
20		3+4-Methylphenols	1.503	1.486	1.1	117	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	115	0.00
22		Acetophenone	0.500	0.480	4.0	115	0.00
23	S	Nitrobenzene-d5	0.396	0.387	2.3	116	0.00
24		Nitrobenzene	0.348	0.335	3.7	115	0.00
25		Isophorone	0.687	0.661	3.8	113	0.00
26	C	2-Nitrophenol	0.171	0.175	-2.3	118	0.00
27		2,4-Dimethylphenol	0.301	0.297	1.3	115	0.00
28		bis(2-Chloroethoxy)methane	0.410	0.397	3.2	115	0.00
29	C	2,4-Dichlorophenol	0.292	0.293	-0.3	116	0.00
30		1,2,4-Trichlorobenzene	0.329	0.313	4.9	118	0.00
31		Naphthalene	1.036	0.986	4.8	116	0.00
32		Benzoic acid	0.181	0.180	0.6	108	0.00
33		4-Chloroaniline	0.418	0.422	-1.0	116	0.00
34	C	Hexachlorobutadiene	0.213	0.198	7.0	115	0.00
35		Caprolactam	0.106	0.105	0.9	110	0.00
36	C	4-Chloro-3-methylphenol	0.356	0.347	2.5	112	0.00
37		2-Methylnaphthalene	0.671	0.635	5.4	114	0.00
38		1-Methylnaphthalene	0.718	0.670	6.7	112	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	108	-0.01
40		1,2,4,5-Tetrachlorobenzene	0.581	0.568	2.2	112	0.00
41	P	Hexachlorocyclopentadiene	0.352	0.391	-11.1	118	0.00
42	S	2,4,6-Tribromophenol	0.339	0.333	1.8	111	0.00
43	C	2,4,6-Trichlorophenol	0.376	0.391	-4.0	114	0.00
44		2,4,5-Trichlorophenol	0.419	0.430	-2.6	115	0.00
45	S	2-Fluorobiphenyl	1.527	1.464	4.1	110	0.00
46		1,1'-Biphenyl	1.478	1.438	2.7	112	0.00
47		2-Chloronaphthalene	1.127	1.106	1.9	112	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.334	0.339	-1.5	109	0.00
49		Acenaphthylene	1.886	1.815	3.8	109	0.00
50		Dimethylphthalate	1.524	1.477	3.1	110	0.00
51		2,6-Dinitrotoluene	0.322	0.316	1.9	109	0.00
52	C	Acenaphthene	1.084	1.028	5.2	108	0.00
53		3-Nitroaniline	0.329	0.336	-2.1	107	0.00
54	P	2,4-Dinitrophenol	0.169	0.173	-2.4	109	0.00
55		Dibenzofuran	1.730	1.639	5.3	108	0.00
56	P	4-Nitrophenol	0.250	0.259	-3.6	109	0.00
57		2,4-Dinitrotoluene	0.454	0.454	0.0	108	0.00
58		Fluorene	1.410	1.355	3.9	109	0.00
59		2,3,4,6-Tetrachlorophenol	0.388	0.381	1.8	109	0.00
60		Diethylphthalate	1.541	1.470	4.6	110	0.00
61		4-Chlorophenyl-phenylether	0.703	0.673	4.3	111	0.00
62		4-Nitroaniline	0.317	0.339	-6.9	111	0.00
63		Azobenzene	1.318	1.279	3.0	110	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	109	0.00
65		4,6-Dinitro-2-methylphenol	0.129	0.130	-0.8	110	0.00
66	c	n-Nitrosodiphenylamine	0.614	0.589	4.1	108	0.00
67		4-Bromophenyl-phenylether	0.236	0.229	3.0	111	0.00
68		Hexachlorobenzene	0.299	0.286	4.3	110	0.00
69		Atrazine	0.225	0.223	0.9	111	0.00
70	C	Pentachlorophenol	0.168	0.173	-3.0	109	0.00
71		Phenanthrene	1.112	1.044	6.1	108	0.00
72		Anthracene	1.119	1.069	4.5	108	0.00
73		Carbazole	1.012	1.002	1.0	109	0.00
74		Di-n-butylphthalate	1.302	1.268	2.6	109	0.00
75	C	Fluoranthene	1.300	1.253	3.6	109	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	107	0.00
77		Benzidine	0.545	0.589	-8.1	113	0.00
78		Pyrene	1.198	1.147	4.3	107	0.01
79	S	Terphenyl-d14	1.166	1.119	4.0	107	0.01
80		Butylbenzylphthalate	0.533	0.540	-1.3	110	0.02
81		Benzo(a)anthracene	1.256	1.221	2.8	108	0.00
82		3,3'-Dichlorobenzidine	0.466	0.496	-6.4	111	0.00
83		Chrysene	1.190	1.138	4.4	108	0.00
84		Bis(2-ethylhexyl)phthalate	0.783	0.792	-1.1	111	0.00
85	c	Di-n-octyl phthalate	1.281	1.336	-4.3	112	0.00
86	I	Perylene-d12	1.000	1.000	0.0	109	0.01
87		Indeno(1,2,3-cd)pyrene	1.460	1.418	2.9	109	0.00
88		Benzo(b)fluoranthene	1.145	1.124	1.8	111	0.01
89		Benzo(k)fluoranthene	1.180	1.127	4.5	108	0.00
90	C	Benzo(a)pyrene	1.099	1.072	2.5	110	0.02
91		Dibenzo(a,h)anthracene	1.188	1.169	1.6	109	0.02
92		Benzo(g,h,i)perylene	1.181	1.149	2.7	109	0.02

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
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Quant Time: May 13 18:01:40 2025
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QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	119	0.00
2		1,4-Dioxane	40.000	36.789	8.0	119	0.00
3		Pyridine	40.000	39.526	1.2	120	0.00
4		n-Nitrosodimethylamine	40.000	37.979	5.1	118	0.00
5	S	2-Fluorophenol	80.000	77.955	2.6	123	0.00
6		Aniline	40.000	39.210	2.0	118	0.00
7	S	Phenol-d6	80.000	79.089	1.1	120	0.00
8		2-Chlorophenol	40.000	39.367	1.6	120	0.00
9		Benzaldehyde	40.000	39.033	2.4	118	0.00
10	C	Phenol	40.000	39.089	2.3	119	0.00
11		bis(2-Chloroethyl)ether	40.000	37.938	5.2	118	0.00
12		1,3-Dichlorobenzene	40.000	37.893	5.3	120	0.00
13	C	1,4-Dichlorobenzene	40.000	37.904	5.2	118	0.00
14		1,2-Dichlorobenzene	40.000	37.896	5.3	119	0.00
15		Benzyl Alcohol	40.000	40.541	-1.4	119	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.037	4.9	117	0.00
17		2-Methylphenol	40.000	39.618	1.0	119	0.00
18		Hexachloroethane	40.000	37.211	7.0	119	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.165	2.1	115	0.00
20		3+4-Methylphenols	40.000	39.562	1.1	117	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	115	0.00
22		Acetophenone	40.000	38.468	3.8	115	0.00
23	S	Nitrobenzene-d5	80.000	78.227	2.2	116	0.00
24		Nitrobenzene	40.000	38.505	3.7	115	0.00
25		Isophorone	40.000	38.491	3.8	113	0.00
26	C	2-Nitrophenol	40.000	41.121	-2.8	118	0.00
27		2,4-Dimethylphenol	40.000	39.484	1.3	115	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.714	3.2	115	0.00
29	C	2,4-Dichlorophenol	40.000	40.189	-0.5	116	0.00
30		1,2,4-Trichlorobenzene	40.000	38.109	4.7	118	0.00
31		Naphthalene	40.000	38.069	4.8	116	0.00
32		Benzoic acid	40.000	36.464	8.8	108	0.00
33		4-Chloroaniline	40.000	40.368	-0.9	116	0.00
34	C	Hexachlorobutadiene	40.000	37.285	6.8	115	0.00
35		Caprolactam	40.000	39.752	0.6	110	0.00
36	C	4-Chloro-3-methylphenol	40.000	39.013	2.5	112	0.00
37		2-Methylnaphthalene	40.000	37.852	5.4	114	0.00
38		1-Methylnaphthalene	40.000	37.339	6.7	112	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	108	-0.01
40		1,2,4,5-Tetrachlorobenzene	40.000	39.130	2.2	112	0.00
41	P	Hexachlorocyclopentadiene	40.000	44.371	-10.9	118	0.00
42	S	2,4,6-Tribromophenol	80.000	78.525	1.8	111	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.549	-3.9	114	0.00
44		2,4,5-Trichlorophenol	40.000	41.064	-2.7	115	0.00
45	S	2-Fluorobiphenyl	80.000	76.733	4.1	110	0.00
46		1,1'-Biphenyl	40.000	38.906	2.7	112	0.00
47		2-Chloronaphthalene	40.000	39.238	1.9	112	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	40.604	-1.5	109	0.00
49		Acenaphthylene	40.000	38.493	3.8	109	0.00
50		Dimethylphthalate	40.000	38.751	3.1	110	0.00
51		2,6-Dinitrotoluene	40.000	39.317	1.7	109	0.00
52	C	Acenaphthene	40.000	37.904	5.2	108	0.00
53		3-Nitroaniline	40.000	40.871	-2.2	107	0.00
54	P	2,4-Dinitrophenol	40.000	37.829	5.4	109	0.00
55		Dibenzofuran	40.000	37.910	5.2	108	0.00
56	P	4-Nitrophenol	40.000	38.698	3.3	109	0.00
57		2,4-Dinitrotoluene	40.000	39.975	0.1	108	0.00
58		Fluorene	40.000	38.422	3.9	109	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.274	1.8	109	0.00
60		Diethylphthalate	40.000	38.171	4.6	110	0.00
61		4-Chlorophenyl-phenylether	40.000	38.249	4.4	111	0.00
62		4-Nitroaniline	40.000	42.722	-6.8	111	0.00
63		Azobenzene	40.000	38.822	2.9	110	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	109	0.00
65		4,6-Dinitro-2-methylphenol	40.000	40.305	-0.8	110	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.382	4.0	108	0.00
67		4-Bromophenyl-phenylether	40.000	38.909	2.7	111	0.00
68		Hexachlorobenzene	40.000	38.175	4.6	110	0.00
69		Atrazine	40.000	39.570	1.1	111	0.00
70	C	Pentachlorophenol	40.000	41.124	-2.8	109	0.00
71		Phenanthrene	40.000	37.546	6.1	108	0.00
72		Anthracene	40.000	38.241	4.4	108	0.00
73		Carbazole	40.000	39.575	1.1	109	0.00
74		Di-n-butylphthalate	40.000	38.939	2.7	109	0.00
75	C	Fluoranthene	40.000	38.566	3.6	109	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	107	0.00
77		Benzidine	40.000	43.253	-8.1	113	0.00
78		Pyrene	40.000	38.281	4.3	107	0.01
79	S	Terphenyl-d14	80.000	76.753	4.1	107	0.01
80		Butylbenzylphthalate	40.000	40.523	-1.3	110	0.02
81		Benzo(a)anthracene	40.000	38.889	2.8	108	0.00
82		3,3'-Dichlorobenzidine	40.000	42.508	-6.3	111	0.00
83		Chrysene	40.000	38.227	4.4	108	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	40.433	-1.1	111	0.00
85	c	Di-n-octyl phthalate	40.000	41.721	-4.3	112	0.00
86	I	Perylene-d12	20.000	20.000	0.0	109	0.01
87		Indeno(1,2,3-cd)pyrene	40.000	38.851	2.9	109	0.00
88		Benzo(b)fluoranthene	40.000	39.289	1.8	111	0.01
89		Benzo(k)fluoranthene	40.000	38.223	4.4	108	0.00
90	C	Benzo(a)pyrene	40.000	39.004	2.5	110	0.02
91		Dibenzo(a,h)anthracene	40.000	39.377	1.6	109	0.02
92		Benzo(g,h,i)perylene	40.000	38.906	2.7	109	0.02

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2073 SAS No.: Q2073 SDG No.: Q2073

Instrument ID: BNA_P Calibration Date/Time: 05/22/2025 10:56

Lab File ID: BP024753.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:41 15:26

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.169	1.135		-2.9	
Benzaldehyde	0.966	0.866		-10.4	
Phenol-d6	1.492	1.407		-5.7	
Phenol	1.540	1.471		-4.5	20.0
bis(2-Chloroethyl)ether	1.266	1.107		-12.6	
2-Chlorophenol	1.327	1.323		-0.3	
2-Methylphenol	1.105	1.036		-6.2	
2,2-oxybis(1-Chloropropane)	1.516	1.312		-13.5	
Acetophenone	0.500	0.469		-6.2	
3+4-Methylphenols	1.503	1.398		-7.0	
n-Nitroso-di-n-propylamine	1.032	0.896	0.050	-13.2	
Nitrobenzene-d5	0.396	0.368		-7.1	
Hexachloroethane	0.589	0.540		-8.3	
Nitrobenzene	0.348	0.318		-8.6	
Isophorone	0.687	0.607		-11.6	
2-Nitrophenol	0.171	0.178		4.1	20.0
2,4-Dimethylphenol	0.301	0.290		-3.7	
bis(2-Chloroethoxy)methane	0.410	0.359		-12.4	
2,4-Dichlorophenol	0.292	0.288		-1.4	20.0
Naphthalene	1.036	0.988		-4.6	
4-Chloroaniline	0.418	0.411		-1.7	
Hexachlorobutadiene	0.213	0.212		-0.5	20.0
Caprolactam	0.106	0.100		-5.7	
4-Chloro-3-methylphenol	0.356	0.336		-5.6	20.0
2-Methylnaphthalene	0.671	0.616		-8.2	
Hexachlorocyclopentadiene	0.352	0.359	0.050	2.0	
2,4,6-Trichlorophenol	0.376	0.385		2.4	20.0
2-Fluorobiphenyl	1.527	1.502		-1.6	
2,4,5-Trichlorophenol	0.419	0.412		-1.7	
1,1-Biphenyl	1.478	1.437		-2.8	
2-Chloronaphthalene	1.127	1.094		-2.9	
2-Nitroaniline	0.334	0.312		-6.6	
Dimethylphthalate	1.524	1.422		-6.7	
Acenaphthylene	1.886	1.818		-3.6	
2,6-Dinitrotoluene	0.322	0.308		-4.3	
3-Nitroaniline	0.329	0.327		-0.6	
Acenaphthene	1.084	1.055		-2.7	20.0
2,4-Dinitrophenol	0.169	0.178	0.050	5.3	
4-Nitrophenol	0.250	0.298	0.050	19.2	

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2073 SAS No.: Q2073 SDG No.: Q2073

Instrument ID: BNA_P Calibration Date/Time: 05/22/2025 10:56

Lab File ID: BP024753.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:41 15:26

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.730	1.664		-3.8	
2,4-Dinitrotoluene	0.454	0.458		0.9	
Diethylphthalate	1.541	1.446		-6.2	
4-Chlorophenyl-phenylether	0.703	0.681		-3.1	
Fluorene	1.410	1.365		-3.2	
4-Nitroaniline	0.317	0.336		6.0	
4,6-Dinitro-2-methylphenol	0.129	0.131		1.5	
n-Nitrosodiphenylamine	0.614	0.595		-3.1	20.0
2,4,6-Tribromophenol	0.339	0.364		7.4	
4-Bromophenyl-phenylether	0.236	0.237		0.4	
Hexachlorobenzene	0.299	0.301		0.7	
Atrazine	0.225	0.226		0.4	
Pentachlorophenol	0.168	0.183		8.9	20.0
Phenanthrene	1.112	1.056		-5.0	
Anthracene	1.119	1.093		-2.3	
Carbazole	1.012	1.003		-0.9	
Di-n-butylphthalate	1.302	1.275		-2.1	
Fluoranthene	1.300	1.270		-2.3	20.0
Pyrene	1.198	1.114		-7.0	
Terphenyl-d14	1.166	1.110		-4.8	
Butylbenzylphthalate	0.533	0.521		-2.3	
3,3-Dichlorobenzidine	0.466	0.502		7.7	
Benzo(a)anthracene	1.256	1.196		-4.8	
Chrysene	1.190	1.132		-4.9	
Bis(2-ethylhexyl)phthalate	0.783	0.768		-1.9	
Di-n-octyl phthalate	1.281	1.324		3.4	20.0
Benzo(b)fluoranthene	1.145	1.090		-4.8	
Benzo(k)fluoranthene	1.180	1.078		-8.6	
Benzo(a)pyrene	1.099	1.059		-3.6	20.0
Indeno(1,2,3-cd)pyrene	1.460	1.467		0.5	
Dibenzo(a,h)anthracene	1.188	1.197		0.8	
Benzo(g,h,i)perylene	1.181	1.175		-0.5	
1,2,4,5-Tetrachlorobenzene	0.581	0.581		0.0	
1,4-Dioxane	0.549	0.459		-16.4	20.0
2,3,4,6-Tetrachlorophenol	0.388	0.382		-1.5	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024753.D
Acq On : 22 May 2025 10:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: May 22 11:19:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.652	152	103714	20.000	ng		-0.01
21) Naphthalene-d8	10.422	136	424752	20.000	ng		-0.01
39) Acenaphthene-d10	14.281	164	258861	20.000	ng		-0.02
64) Phenanthrene-d10	17.075	188	515151	20.000	ng		-0.02
76) Chrysene-d12	21.516	240	613668	20.000	ng		0.00
86) Perylene-d12	24.792	264	759397	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.287	112	470842	77.648	ng		0.00
7) Phenol-d6	6.858	99	583849	75.441	ng		0.00
23) Nitrobenzene-d5	8.799	82	625504	74.407	ng		-0.01
42) 2,4,6-Tribromophenol	15.798	330	377255	85.966	ng		-0.01
45) 2-Fluorobiphenyl	12.893	172	1555207	78.711	ng		-0.01
79) Terphenyl-d14	19.804	244	2724263	76.121	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.222	88	95313	33.474	ng		97
3) Pyridine	3.617	79	229360	36.327	ng		94
4) n-Nitrosodimethylamine	3.528	42	103907	37.278	ng		92
6) Aniline	6.993	93	370604	37.090	ng		98
8) 2-Chlorophenol	7.234	128	274338	39.853	ng		97
9) Benzaldehyde	6.811	77	179612	35.852	ng		99
10) Phenol	6.881	94	305208	38.210	ng		98
11) bis(2-Chloroethyl)ether	7.087	93	229537	34.972	ng		100
12) 1,3-Dichlorobenzene	7.546	146	301458	38.064	ng		98
13) 1,4-Dichlorobenzene	7.687	146	309636	38.872	ng		100
14) 1,2-Dichlorobenzene	7.999	146	293460	37.809	ng		99
15) Benzyl Alcohol	7.899	79	226557	38.523	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.175	45	272181	34.627	ng		100
17) 2-Methylphenol	8.110	107	214801	37.493	ng		98
18) Hexachloroethane	8.716	117	111981	36.686	ng		96
19) n-Nitroso-di-n-propyla...	8.452	70	185810	34.709	ng		98
20) 3+4-Methylphenols	8.440	107	290065	37.221	ng		97
22) Acetophenone	8.469	105	398506	37.559	ng	#	99
24) Nitrobenzene	8.840	77	269749	36.463	ng		96
25) Isophorone	9.363	82	515648	35.361	ng		98
26) 2-Nitrophenol	9.546	139	151180	41.704	ng		99
27) 2,4-Dimethylphenol	9.616	122	245937	38.480	ng		98
28) bis(2-Chloroethoxy)met...	9.840	93	304970	35.006	ng		99
29) 2,4-Dichlorophenol	10.093	162	244803	39.525	ng		96
30) 1,2,4-Trichlorobenzene	10.287	180	275005	39.402	ng		98
31) Naphthalene	10.469	128	839383	38.135	ng		100
32) Benzoic acid	9.781	122	165369m	38.852	ng		
33) 4-Chloroaniline	10.593	127	348911	39.283	ng		98
34) Hexachlorobutadiene	10.751	225	180166	39.848	ng		97
35) Caprolactam	11.387	113	85017	37.940	ng		98
36) 4-Chloro-3-methylphenol	11.740	107	285718	37.828	ng		99
37) 2-Methylnaphthalene	12.081	142	523458	36.728	ng		99
38) 1-Methylnaphthalene	12.304	142	542501	35.575	ng		100
40) 1,2,4,5-Tetrachloroben...	12.457	216	300547	39.982	ng		99
41) Hexachlorocyclopentadiene	12.434	237	185751	40.752	ng		98
43) 2,4,6-Trichlorophenol	12.710	196	199436	40.962	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024753.D
Acq On : 22 May 2025 10:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: May 22 11:19:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

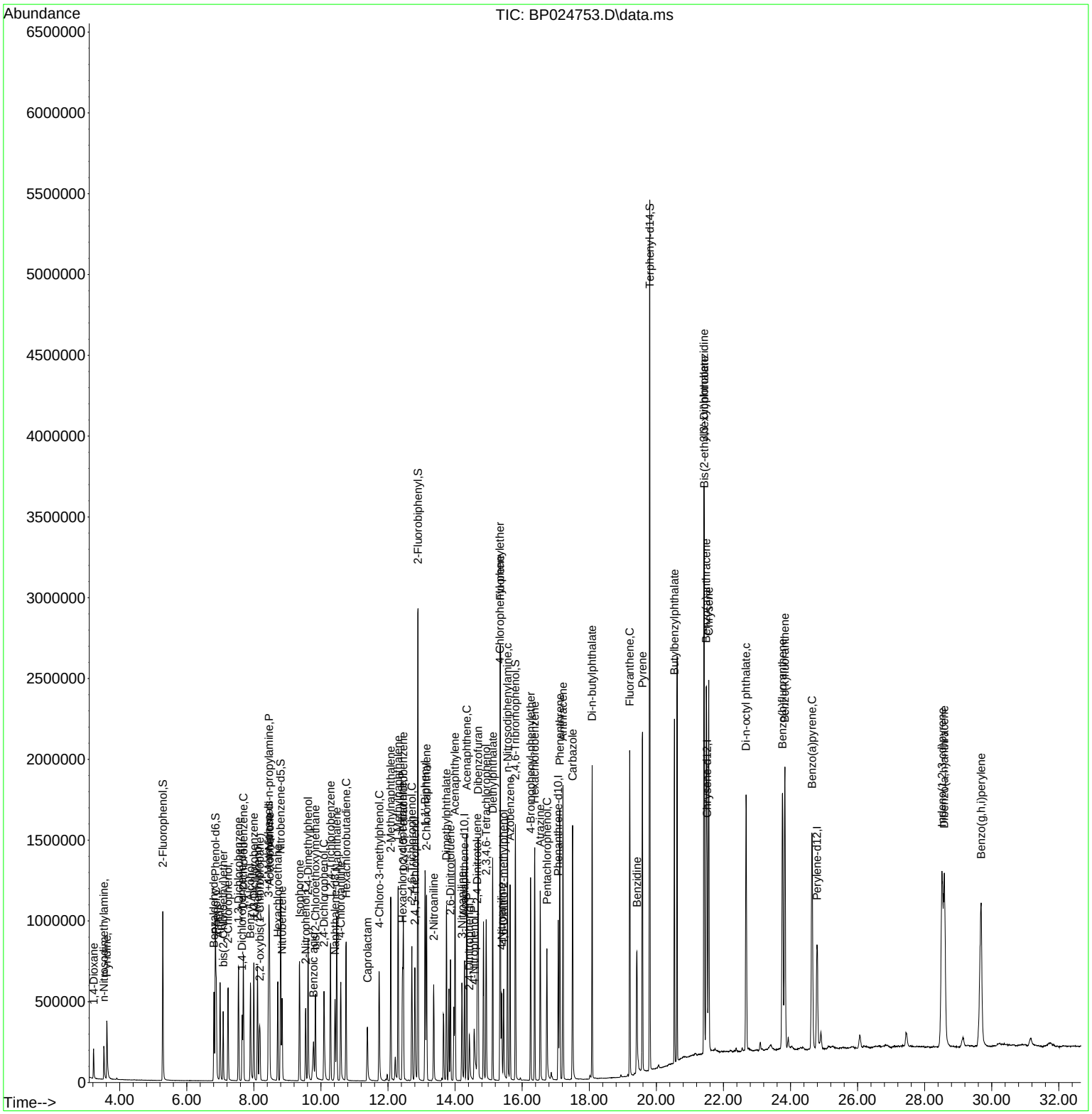
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.804	196	213455	39.385	ng		97
46) 1,1'-Biphenyl	13.104	154	744062	38.890	ng		99
47) 2-Chloronaphthalene	13.151	162	566469	38.831	ng		99
48) 2-Nitroaniline	13.363	65	161474	37.387	ng		94
49) Acenaphthylene	13.998	152	941385	38.561	ng		99
50) Dimethylphthalate	13.745	163	736236	37.315	ng		100
51) 2,6-Dinitrotoluene	13.863	165	159704	38.326	ng		98
52) Acenaphthene	14.345	154	545940	38.899	ng		100
53) 3-Nitroaniline	14.204	138	169506	39.839	ng		95
54) 2,4-Dinitrophenol	14.428	184	91959	38.598	ng		96
55) Dibenzofuran	14.687	168	861722	38.494	ng		99
56) 4-Nitrophenol	14.569	139	154275	43.899	ng		99
57) 2,4-Dinitrotoluene	14.663	165	237293	40.393	ng		97
58) Fluorene	15.345	166	706842	38.724	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.928	232	197601	39.304	ng		96
60) Diethylphthalate	15.122	149	748861	37.552	ng		99
61) 4-Chlorophenyl-phenyle...	15.339	204	352770	38.753	ng		98
62) 4-Nitroaniline	15.392	138	173898m	42.328	ng		
63) Azobenzene	15.639	77	610526	35.788	ng		96
65) 4,6-Dinitro-2-methylph...	15.445	198	135394	40.689	ng		98
66) n-Nitrosodiphenylamine	15.563	169	612621	38.716	ng		98
67) 4-Bromophenyl-phenylether	16.251	248	244008	40.197	ng		98
68) Hexachlorobenzene	16.375	284	310572	40.264	ng		94
69) Atrazine	16.539	200	232866	40.157	ng		99
70) Pentachlorophenol	16.739	266	188824	43.610	ng		99
71) Phenanthrene	17.122	178	1088145	37.997	ng		100
72) Anthracene	17.216	178	1126427	39.094	ng		99
73) Carbazole	17.504	167	1033405	39.626	ng		99
74) Di-n-butylphthalate	18.086	149	1313152	39.153	ng		100
75) Fluoranthene	19.204	202	1308696	39.094	ng		99
77) Benzidine	19.422	184	639743	38.276	ng		99
78) Pyrene	19.586	202	1367365	37.187	ng		99
80) Butylbenzylphthalate	20.539	149	639516	39.107	ng		95
81) Benzo(a)anthracene	21.486	228	1468260	38.104	ng		99
82) 3,3'-Dichlorobenzidine	21.422	252	616258	43.059	ng		100
83) Chrysene	21.563	228	1389328	38.035	ng		100
84) Bis(2-ethylhexyl)phtha...	21.427	149	943050	39.235	ng		99
85) Di-n-octyl phthalate	22.674	149	1624884	41.340	ng		99
87) Indeno(1,2,3-cd)pyrene	28.515	276	2228069	40.189	ng	#	88
88) Benzo(b)fluoranthene	23.763	252	1655614	38.089	ng		99
89) Benzo(k)fluoranthene	23.833	252	1637849	36.568	ng		100
90) Benzo(a)pyrene	24.639	252	1607644	38.510	ng		99
91) Dibenzo(a,h)anthracene	28.586	278	1818555	40.320	ng		99
92) Benzo(g,h,i)perylene	29.686	276	1784700	39.791	ng		97

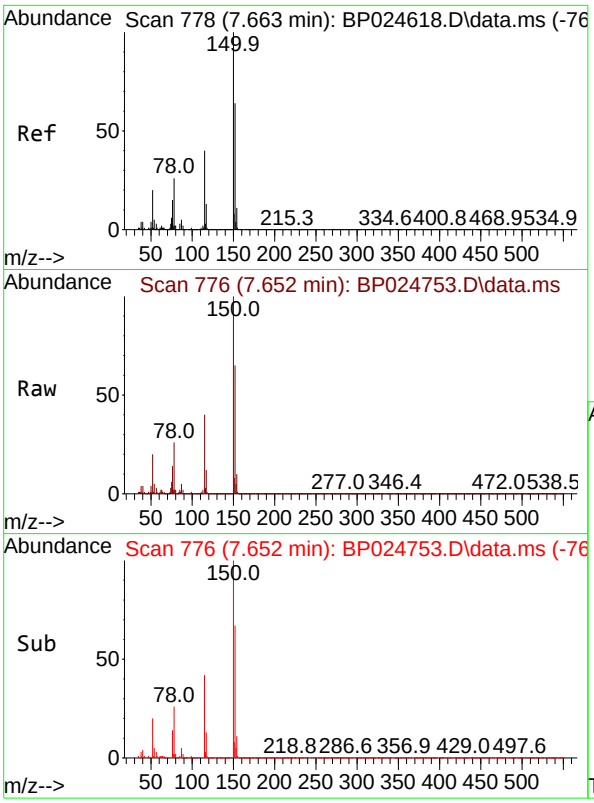
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024753.D
Acq On : 22 May 2025 10:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: May 22 11:19:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



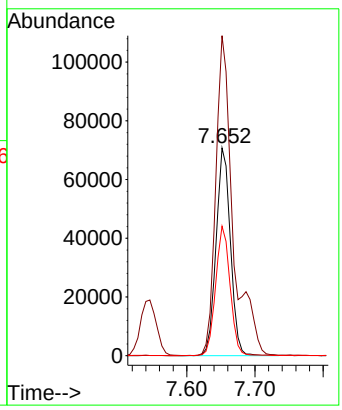


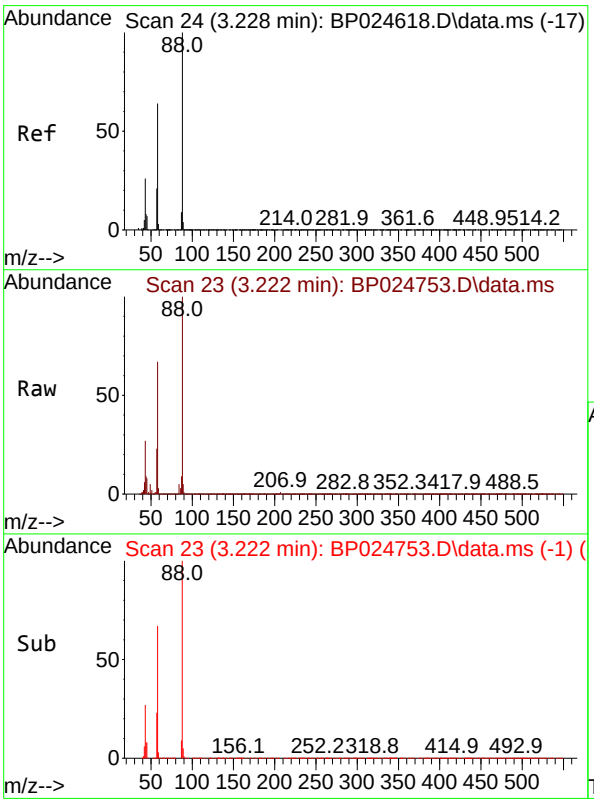
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.652 min Scan# 7
Delta R.T. -0.011 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 103714

Ion	Ratio	Lower	Upper
152	100		
150	154.1	125.9	188.9
115	62.4	50.1	75.1

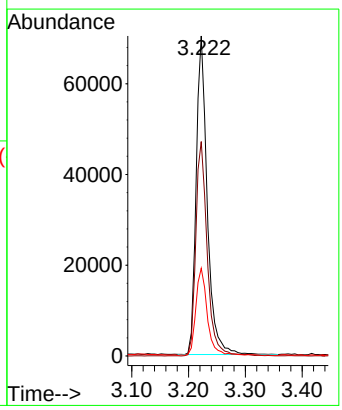


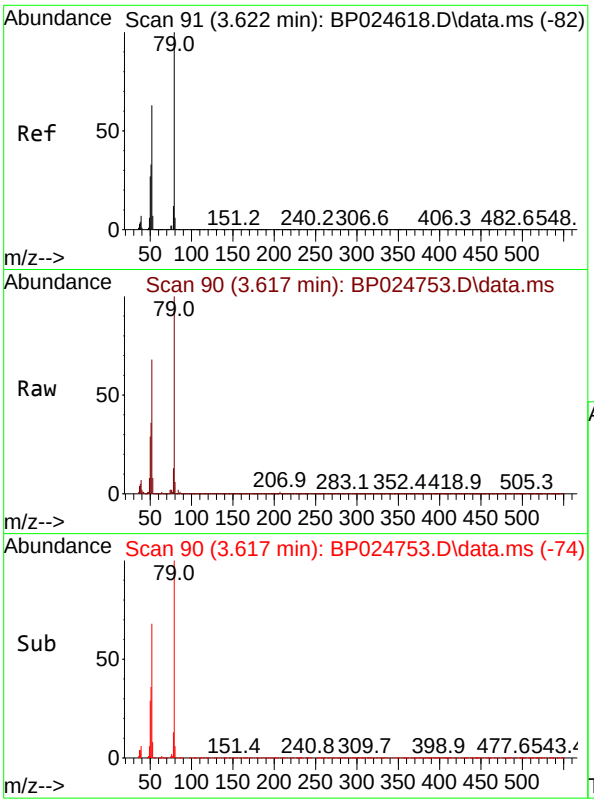


#2
1,4-Dioxane
Concen: 33.474 ng
RT: 3.222 min Scan# 23
Delta R.T. -0.006 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion: 88 Resp: 95313

Ion	Ratio	Lower	Upper
88	100		
58	69.7	54.0	81.0
43	28.1	21.4	32.0



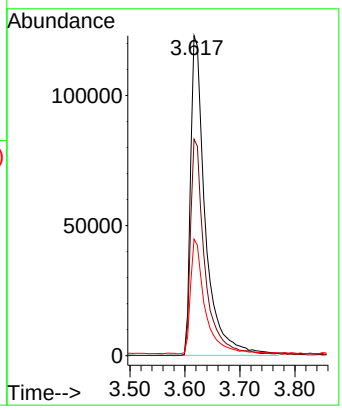


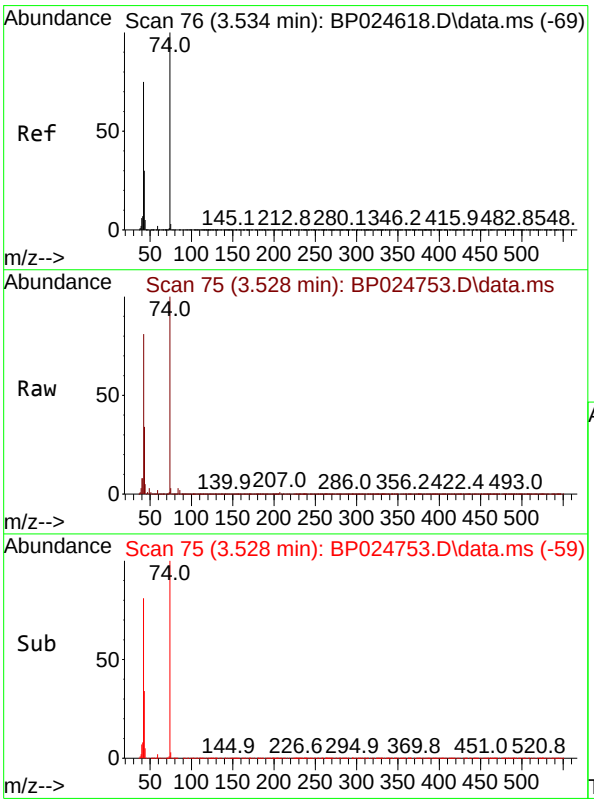
#3
Pyridine
Concen: 36.327 ng
RT: 3.617 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 229360

Ion	Ratio	Lower	Upper
79	100		
52	67.7	50.2	75.2
51	36.4	26.8	40.2

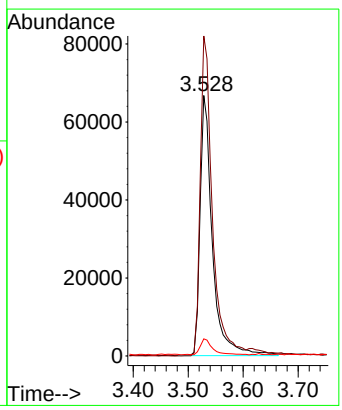


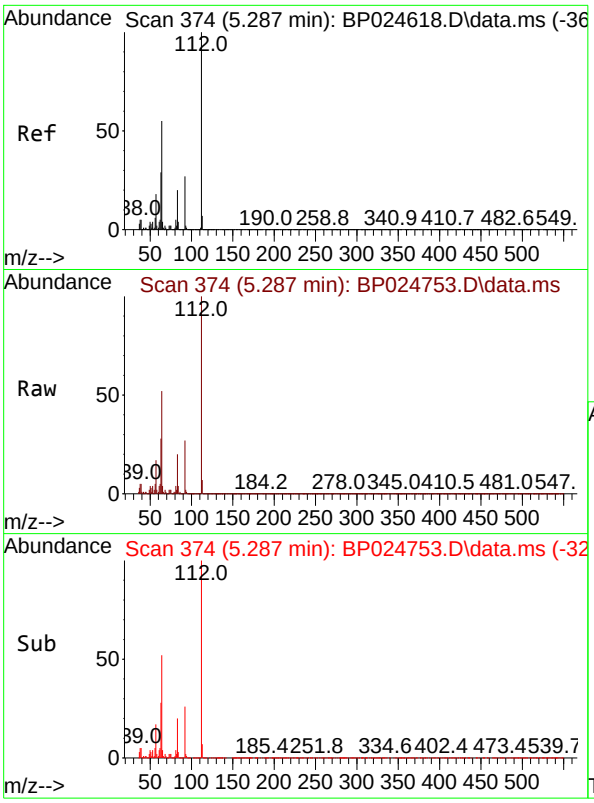


#4
n-Nitrosodimethylamine
Concen: 37.278 ng
RT: 3.528 min Scan# 75
Delta R.T. -0.006 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion: 42 Resp: 103907

Ion	Ratio	Lower	Upper
42	100		
74	122.9	106.2	159.2
44	6.6	5.4	8.2



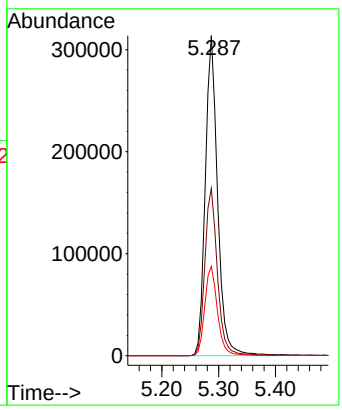


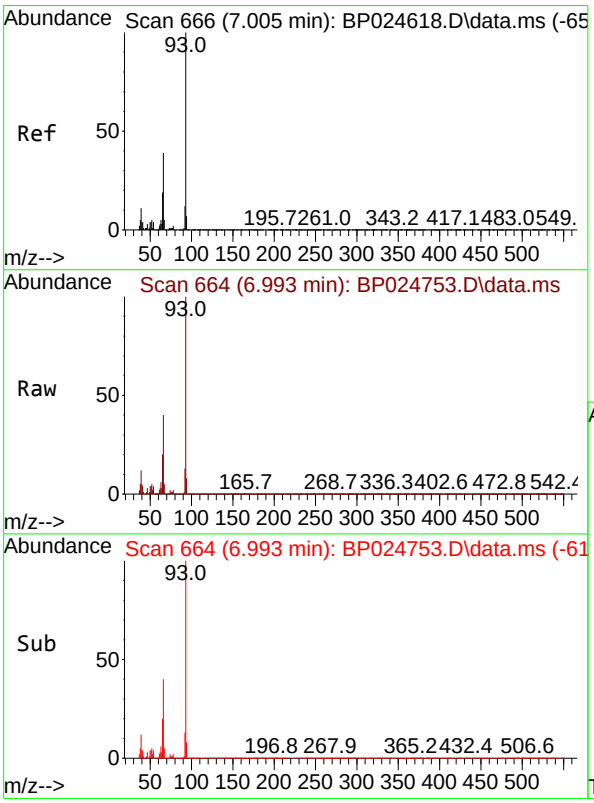
#5
2-Fluorophenol
Concen: 77.648 ng
RT: 5.287 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 470842

Ion	Ratio	Lower	Upper
112	100		
64	52.2	44.1	66.1
63	27.9	23.5	35.3

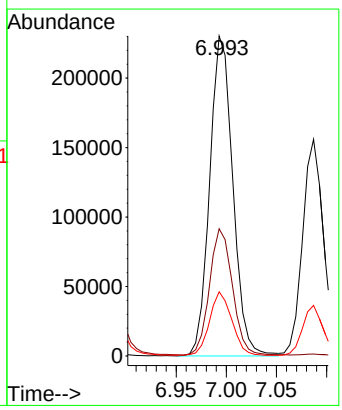


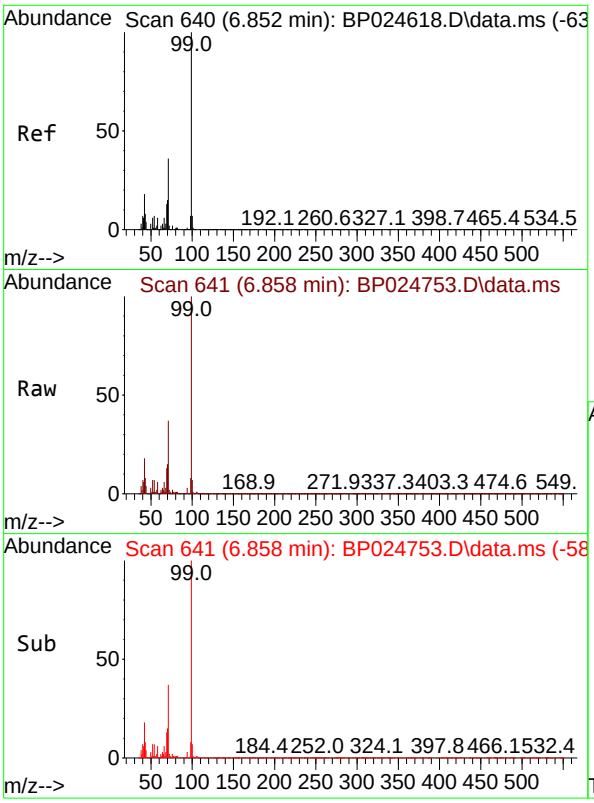


#6
Aniline
Concen: 37.090 ng
RT: 6.993 min Scan# 664
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion: 93 Resp: 370604

Ion	Ratio	Lower	Upper
93	100		
66	39.8	31.0	46.6
65	20.1	15.5	23.3



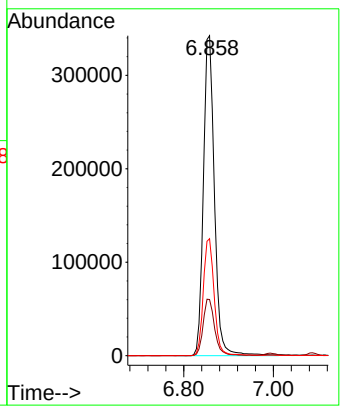


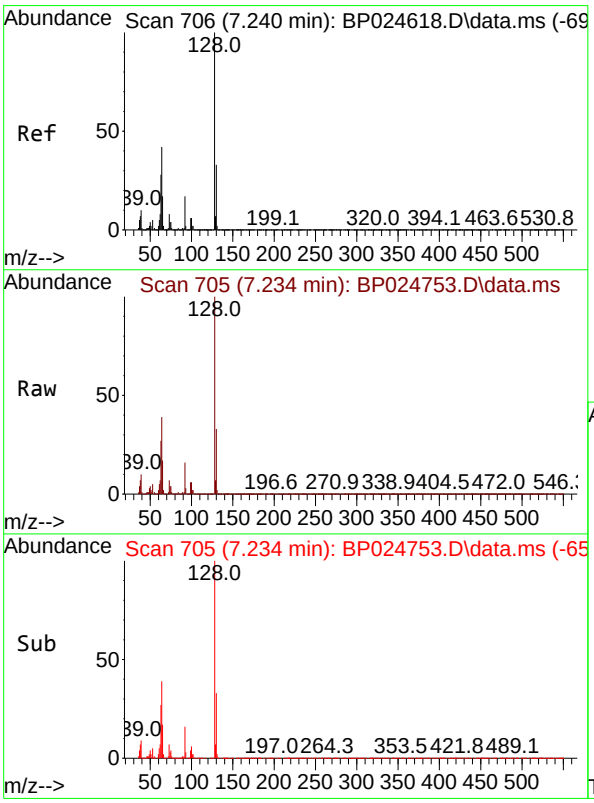
#7
Phenol-d6
Concen: 75.441 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 583849

Ion	Ratio	Lower	Upper
99	100		
42	17.5	14.4	21.6
71	36.6	29.2	43.8

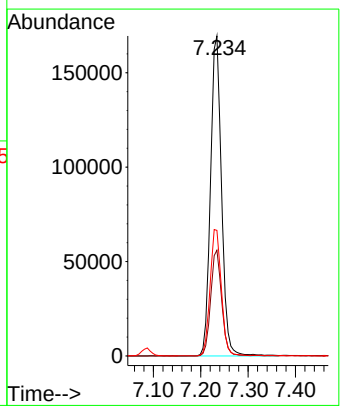


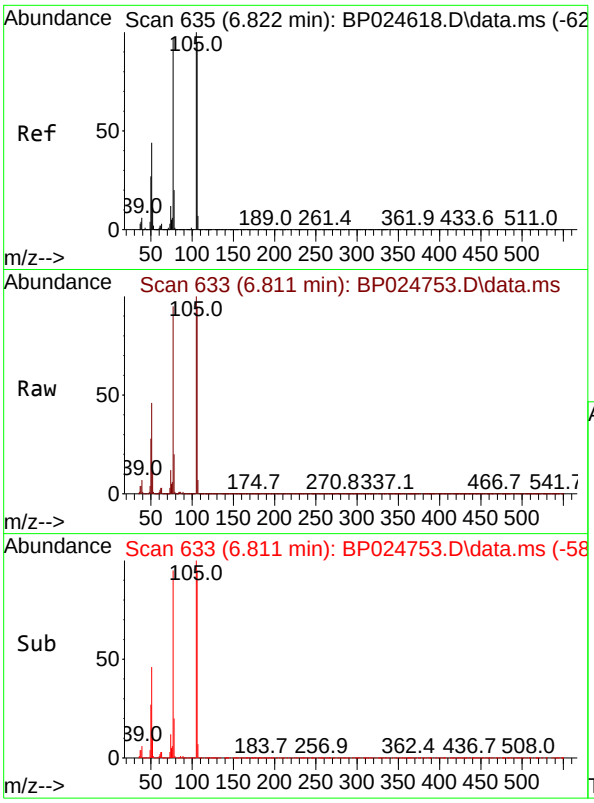


#8
2-Chlorophenol
Concen: 39.853 ng
RT: 7.234 min Scan# 705
Delta R.T. -0.006 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:128 Resp: 274338

Ion	Ratio	Lower	Upper
128	100		
130	33.0	13.0	53.0
64	39.2	22.3	62.3



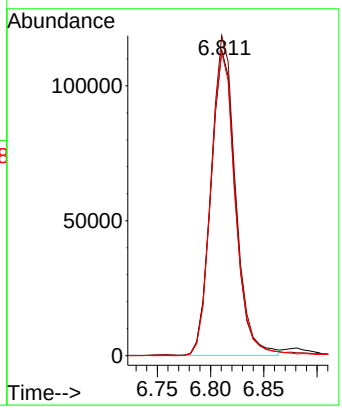


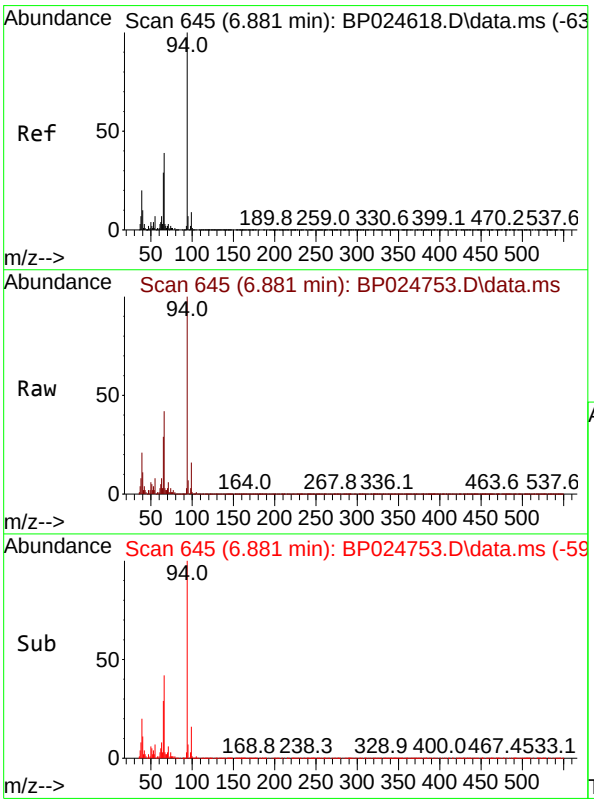
#9
Benzaldehyde
Concen: 35.852 ng
RT: 6.811 min Scan# 6
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 179612

Ion	Ratio	Lower	Upper
77	100		
105	104.8	83.3	123.3
106	99.4	78.0	118.0

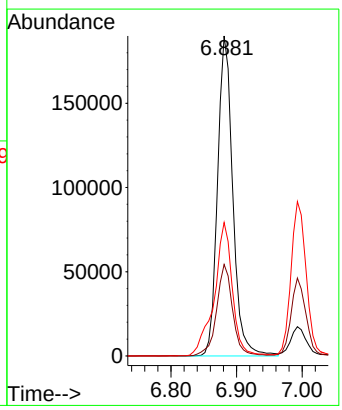


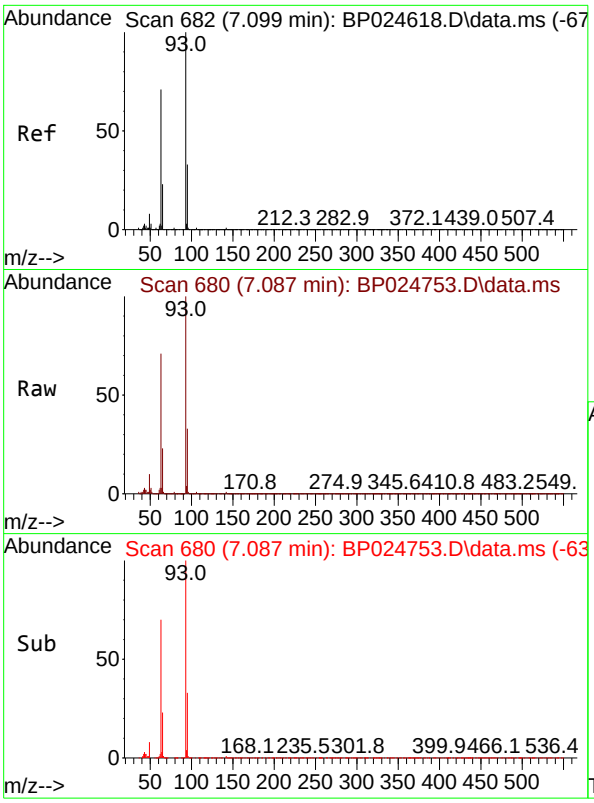


#10
Phenol
Concen: 38.210 ng
RT: 6.881 min Scan# 645
Delta R.T. 0.000 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion: 94 Resp: 305208

Ion	Ratio	Lower	Upper
94	100		
65	28.6	8.7	48.7
66	41.7	19.4	59.4



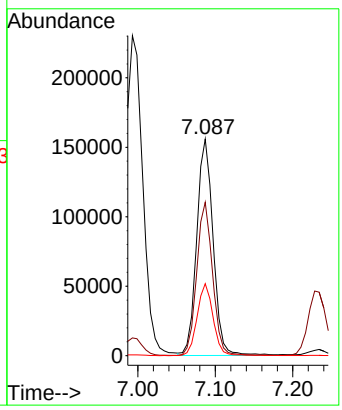


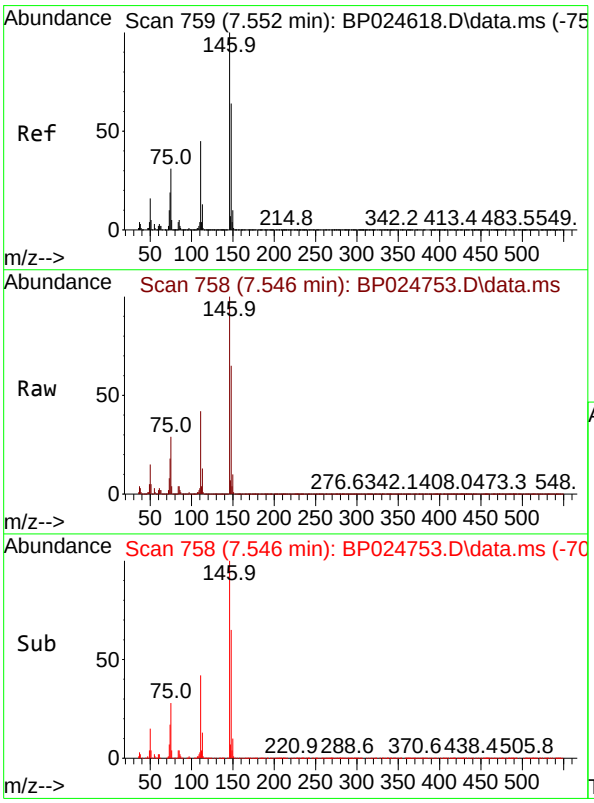
#11
bis(2-Chloroethyl)ether
Concen: 34.972 ng
RT: 7.087 min Scan# 6
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 229537

Ion	Ratio	Lower	Upper
93	100		
63	70.8	50.6	90.6
95	33.3	12.9	52.9

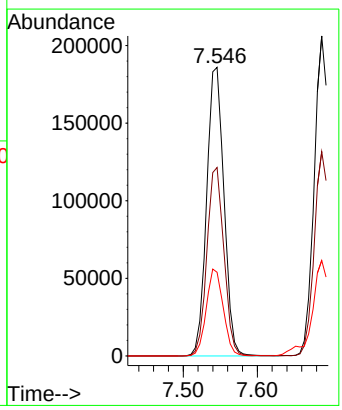


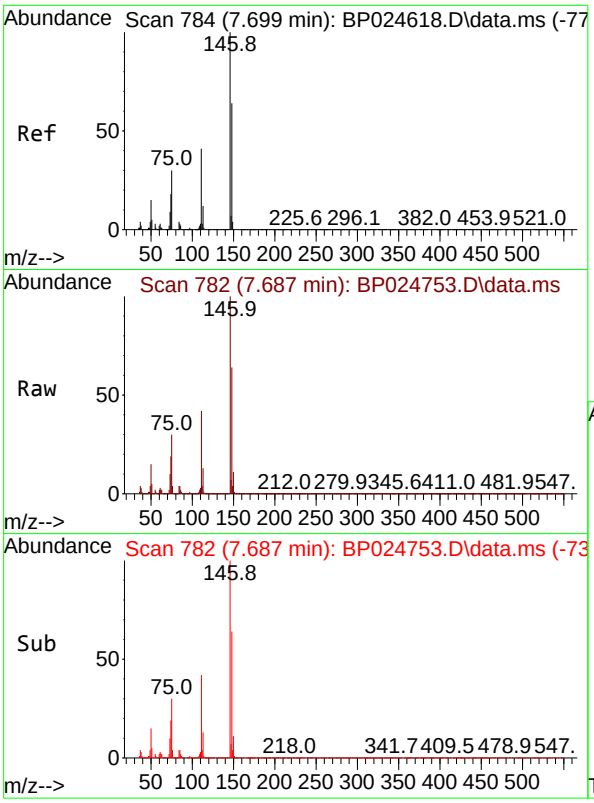


#12
1,3-Dichlorobenzene
Concen: 38.064 ng
RT: 7.546 min Scan# 758
Delta R.T. -0.006 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:146 Resp: 301458

Ion	Ratio	Lower	Upper
146	100		
148	65.3	51.4	77.2
75	29.0	25.2	37.8



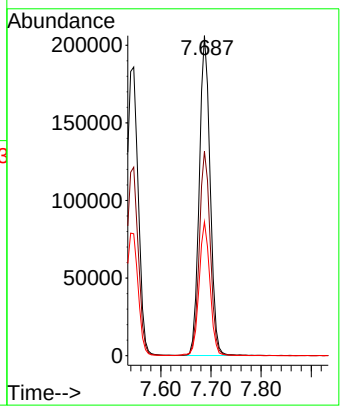


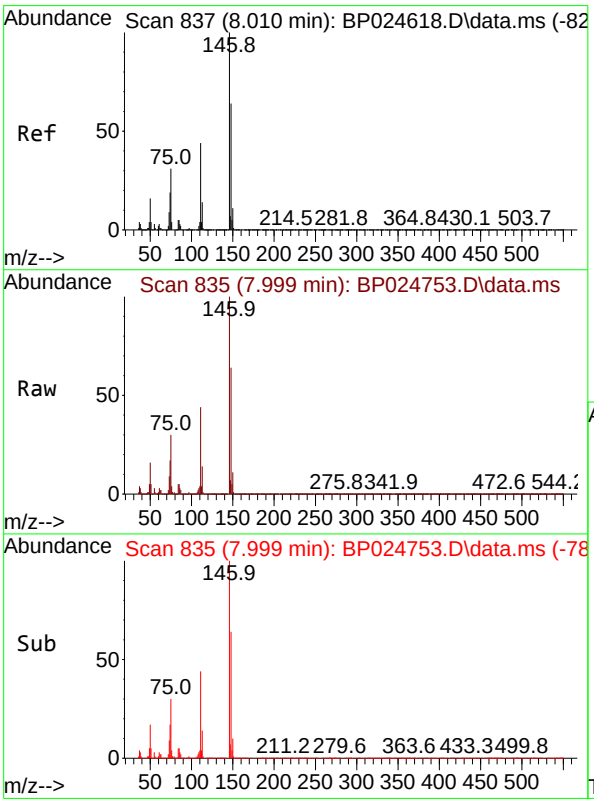
#13
1,4-Dichlorobenzene
Concen: 38.872 ng
RT: 7.687 min Scan# 7
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 309636

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.6
111	41.8	33.0	49.6

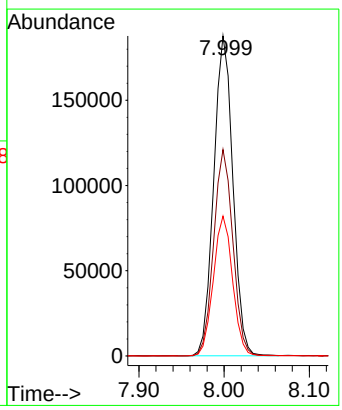


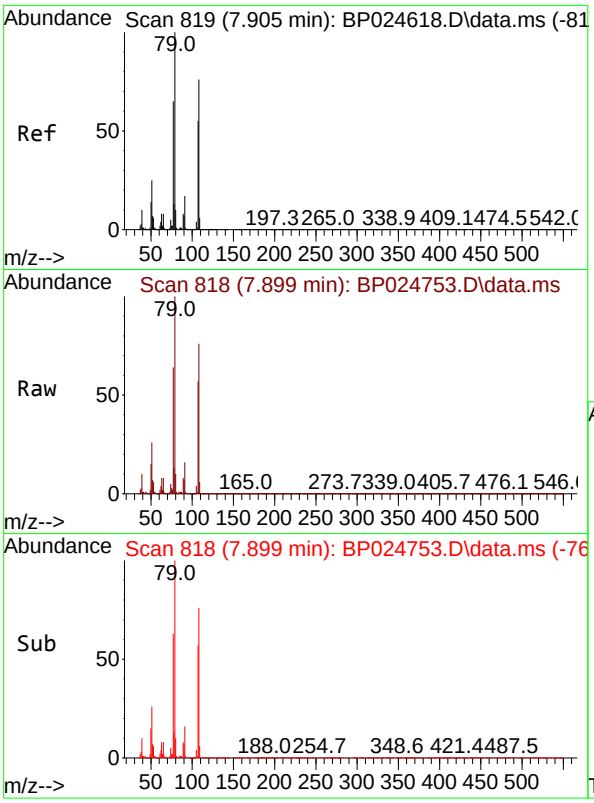


#14
1,2-Dichlorobenzene
Concen: 37.809 ng
RT: 7.999 min Scan# 835
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:146 Resp: 293460

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.0	76.4
111	43.7	35.2	52.8



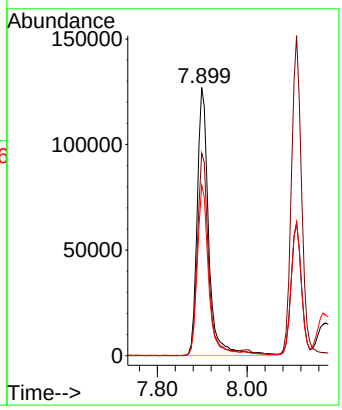


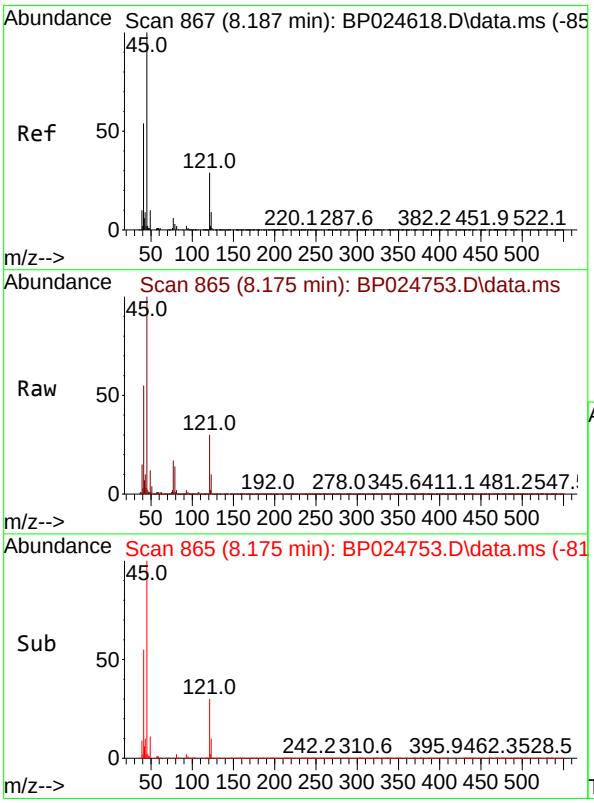
#15
Benzyl Alcohol
Concen: 38.523 ng
RT: 7.899 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 226557

Ion	Ratio	Lower	Upper
79	100		
108	75.6	60.8	91.2
77	63.6	51.9	77.9

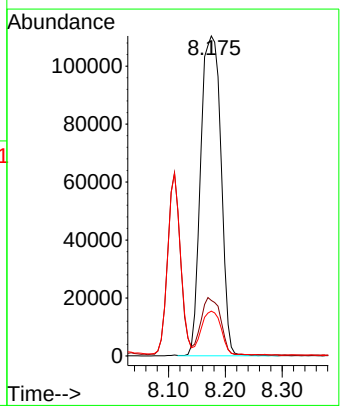


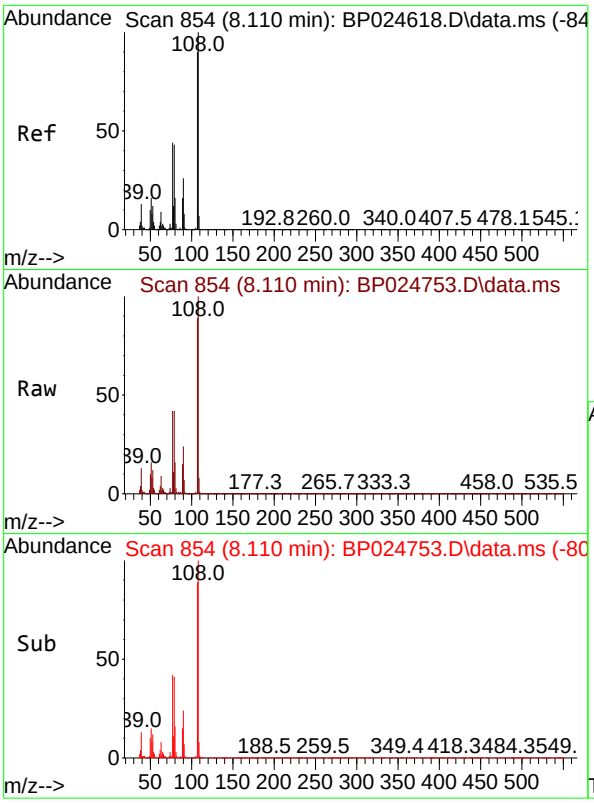


#16
2,2'-oxybis(1-Chloropropane)
Concen: 34.627 ng
RT: 8.175 min Scan# 865
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion: 45 Resp: 272181

Ion	Ratio	Lower	Upper
45	100		
77	17.3	0.0	37.7
79	14.0	0.0	34.0



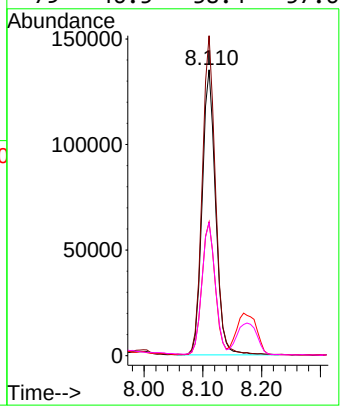


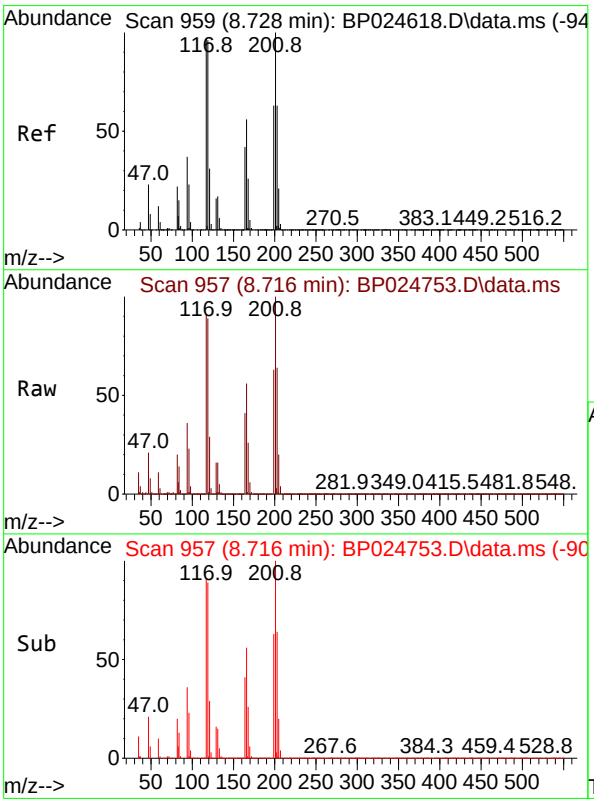
#17
2-Methylphenol
Concen: 37.493 ng
RT: 8.110 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 214801

Ion	Ratio	Lower	Upper
107	100		
108	111.9	88.9	133.3
77	46.7	39.0	58.6
79	46.5	38.4	57.6

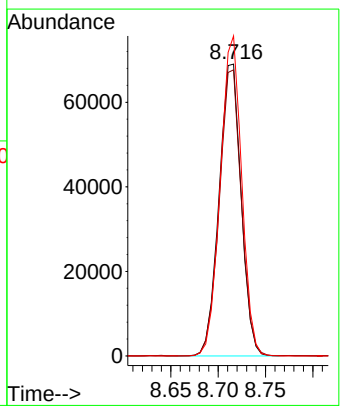


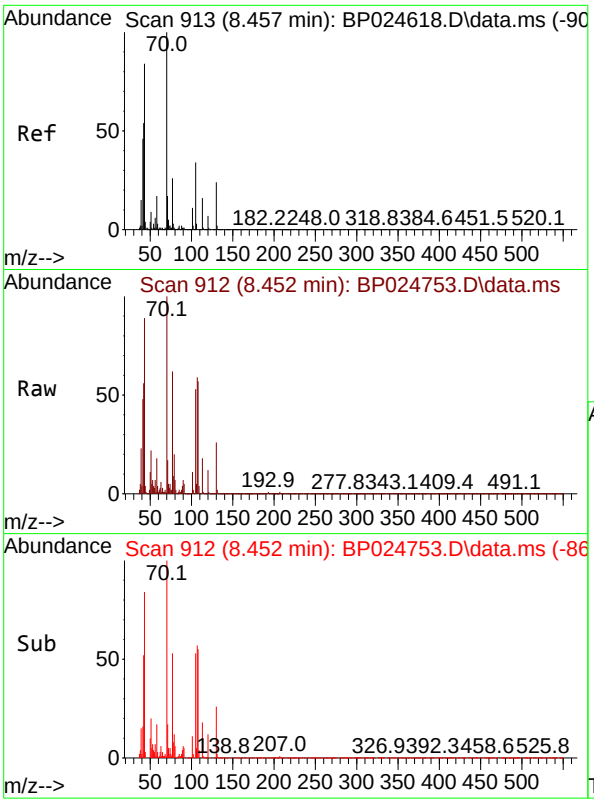


#18
Hexachloroethane
Concen: 36.686 ng
RT: 8.716 min Scan# 957
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:117 Resp: 111981

Ion	Ratio	Lower	Upper
117	100		
119	98.0	79.4	119.0
201	109.6	82.7	124.1



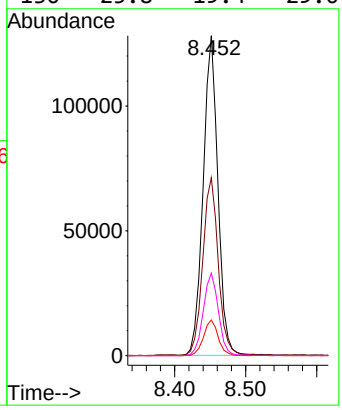


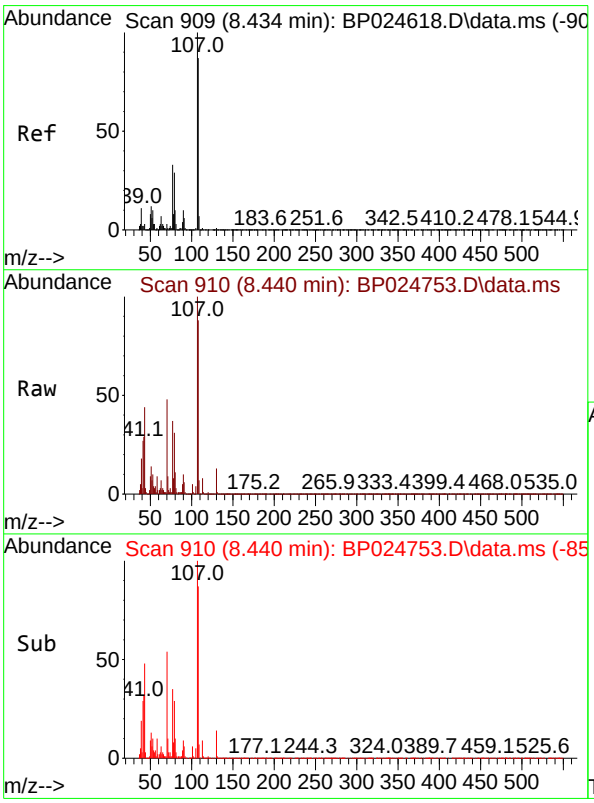
#19
n-Nitroso-di-n-propylamine
Concen: 34.709 ng
RT: 8.452 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 185810

Ion	Ratio	Lower	Upper
70	100		
42	55.6	43.0	64.6
101	11.2	8.7	13.1
130	25.8	19.4	29.0

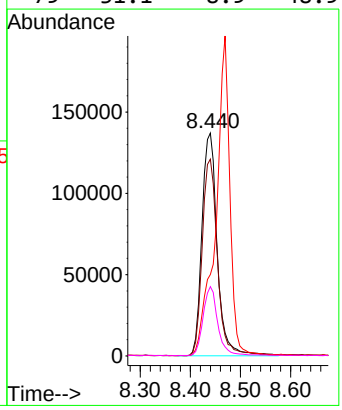


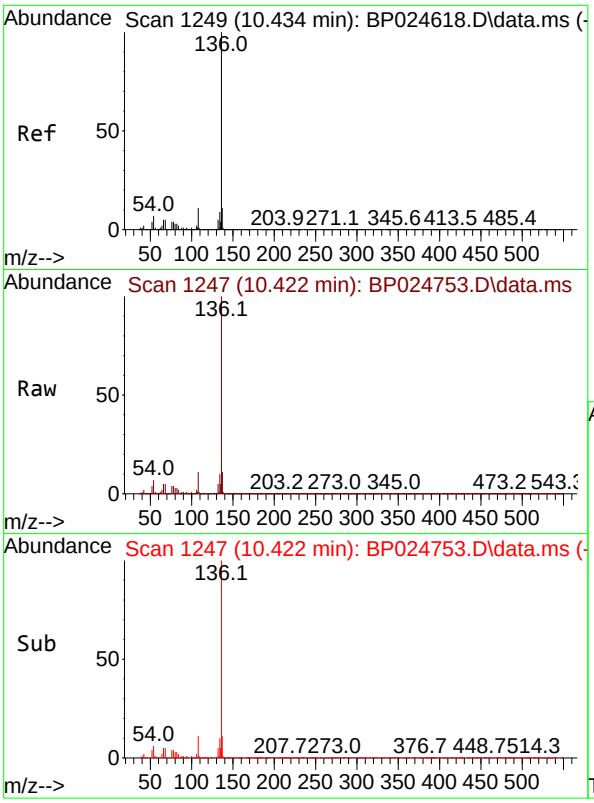


#20
3+4-Methylphenols
Concen: 37.221 ng
RT: 8.440 min Scan# 910
Delta R.T. 0.006 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:107 Resp: 290065

Ion	Ratio	Lower	Upper
107	100		
108	88.3	66.7	106.7
77	36.6	13.1	53.1
79	31.1	8.9	48.9



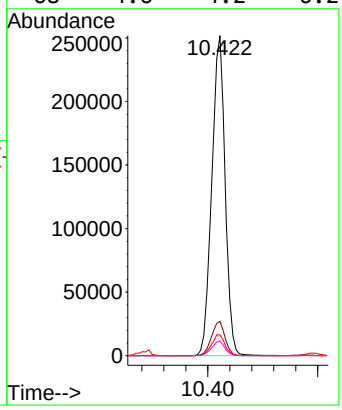


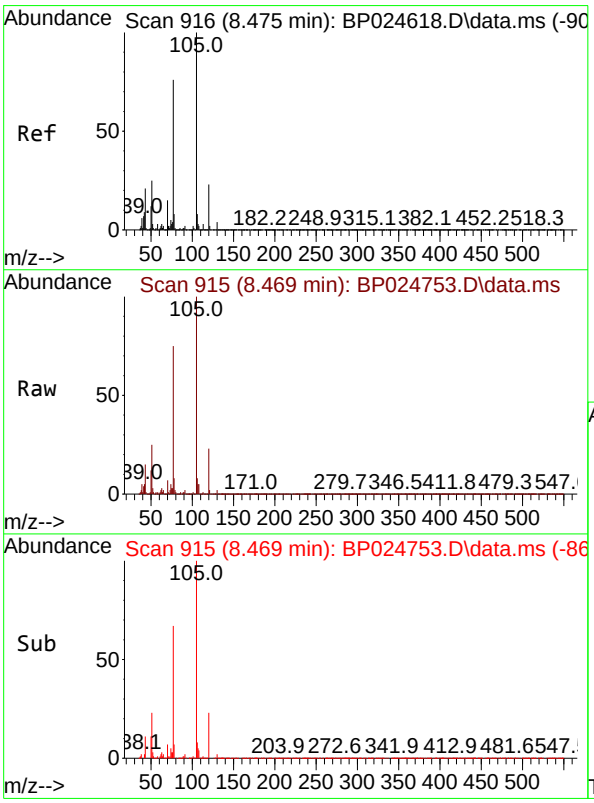
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 424752

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	6.5	5.5	8.3
68	4.6	4.2	6.2

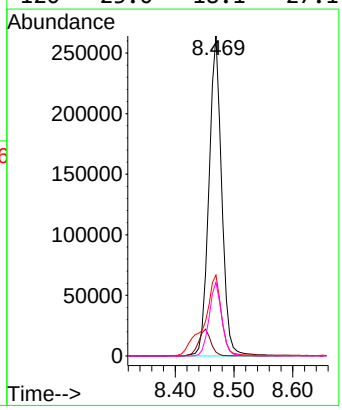


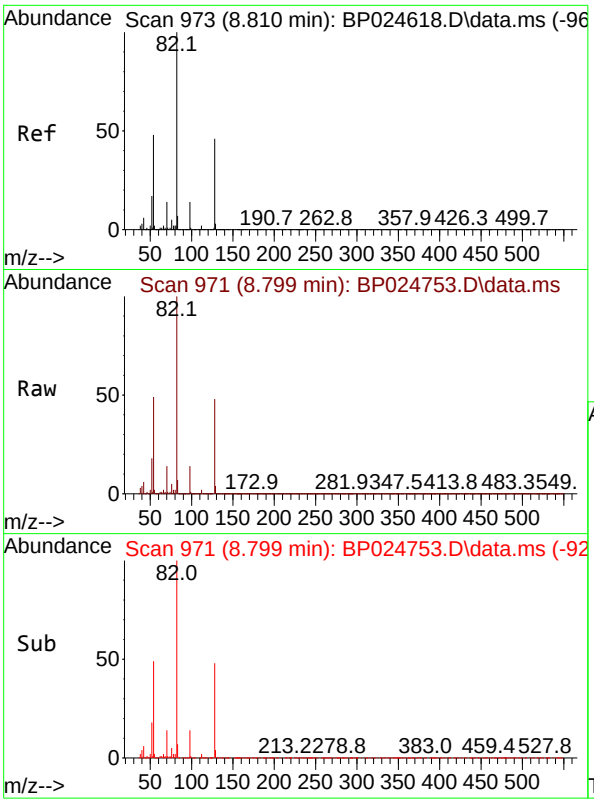


#22
Acetophenone
Concen: 37.559 ng
RT: 8.469 min Scan# 915
Delta R.T. -0.006 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:105 Resp: 398506

Ion	Ratio	Lower	Upper
105	100		
71	1.2	2.0	3.0#
51	25.3	20.4	30.6
120	23.0	18.1	27.1



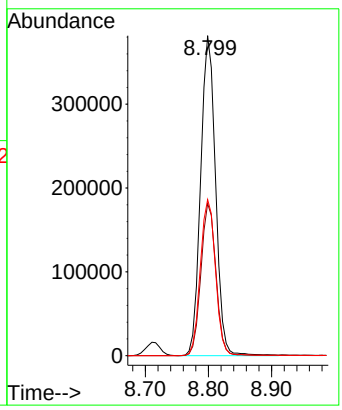


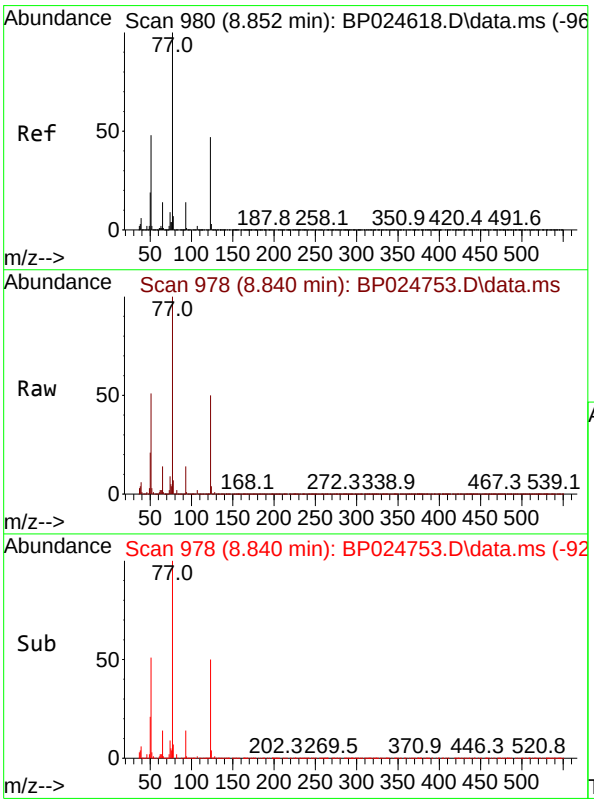
#23
Nitrobenzene-d5
Concen: 74.407 ng
RT: 8.799 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 625504

Ion	Ratio	Lower	Upper
82	100		
128	47.5	37.0	55.4
54	48.8	38.7	58.1

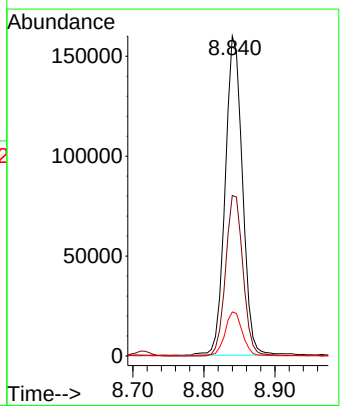


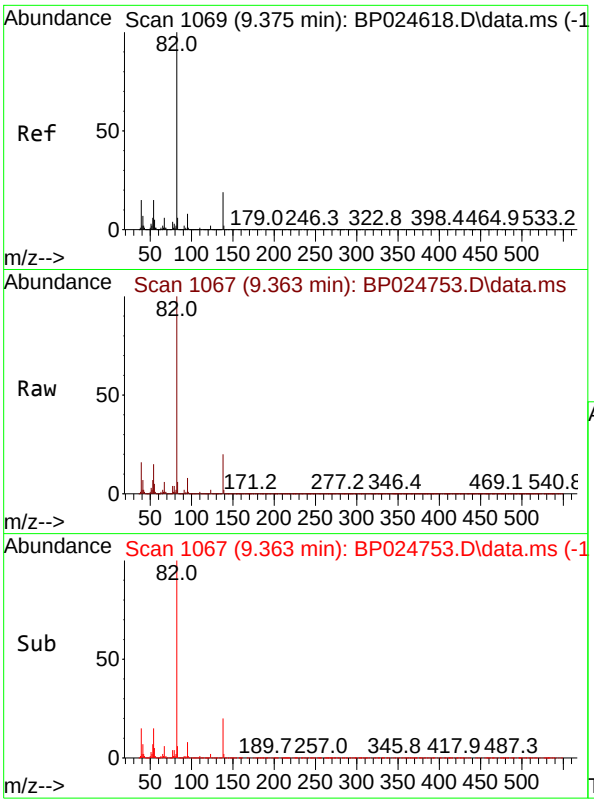


#24
Nitrobenzene
Concen: 36.463 ng
RT: 8.840 min Scan# 978
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion: 77 Resp: 269749

Ion	Ratio	Lower	Upper
77	100		
123	50.1	37.4	56.0
65	13.7	11.3	16.9



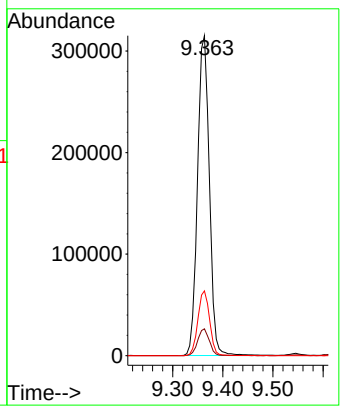


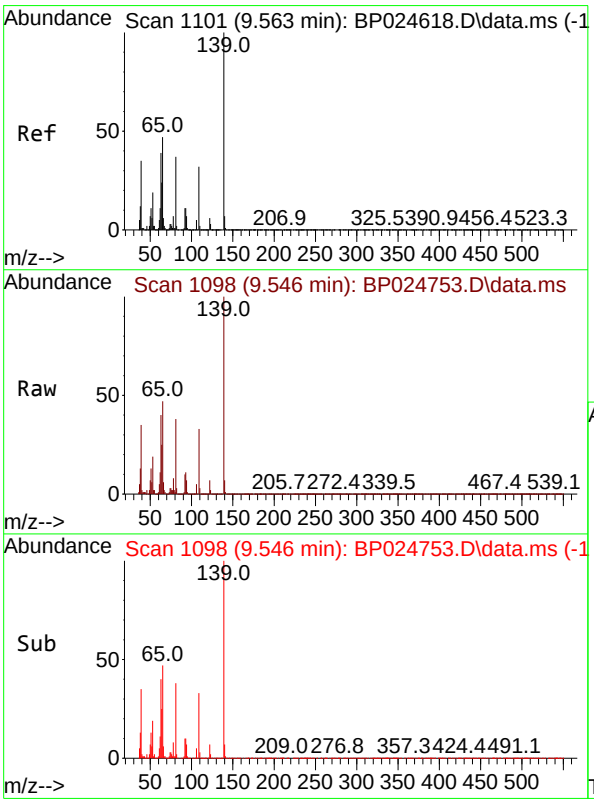
#25
Isophorone
Concen: 35.361 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 515648

Ion	Ratio	Lower	Upper
82	100		
95	8.4	6.3	9.5
138	20.3	15.3	22.9

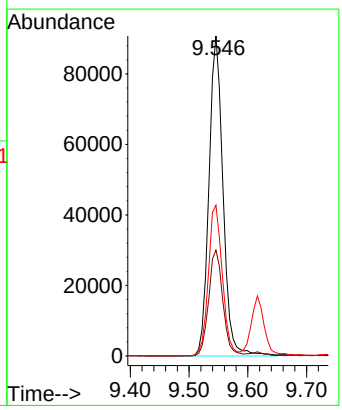


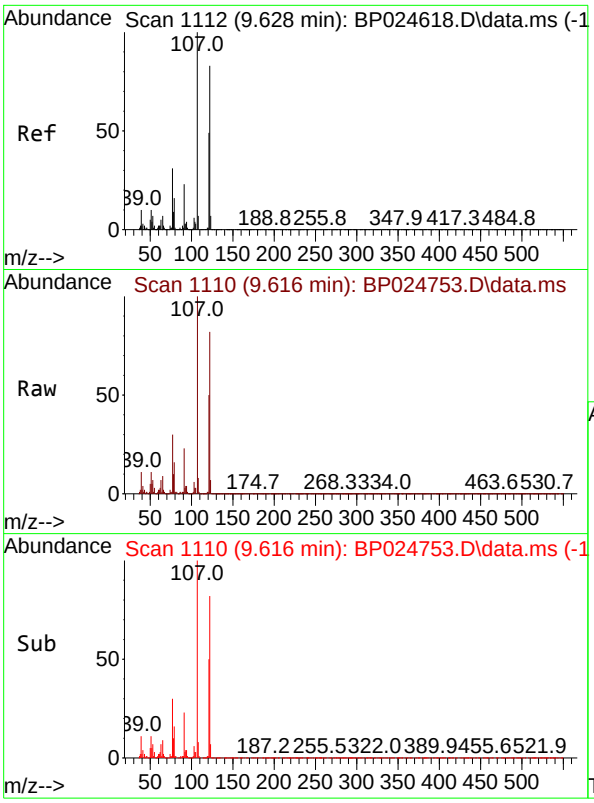


#26
2-Nitrophenol
Concen: 41.704 ng
RT: 9.546 min Scan# 1098
Delta R.T. -0.018 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:139 Resp: 151180

Ion	Ratio	Lower	Upper
139	100		
109	33.0	25.9	38.9
65	47.1	37.9	56.9



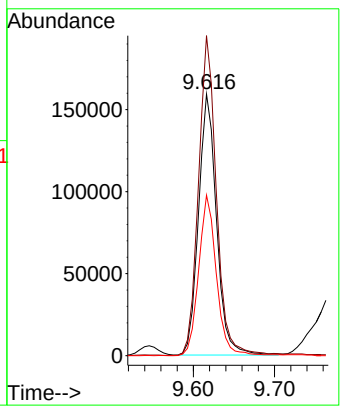


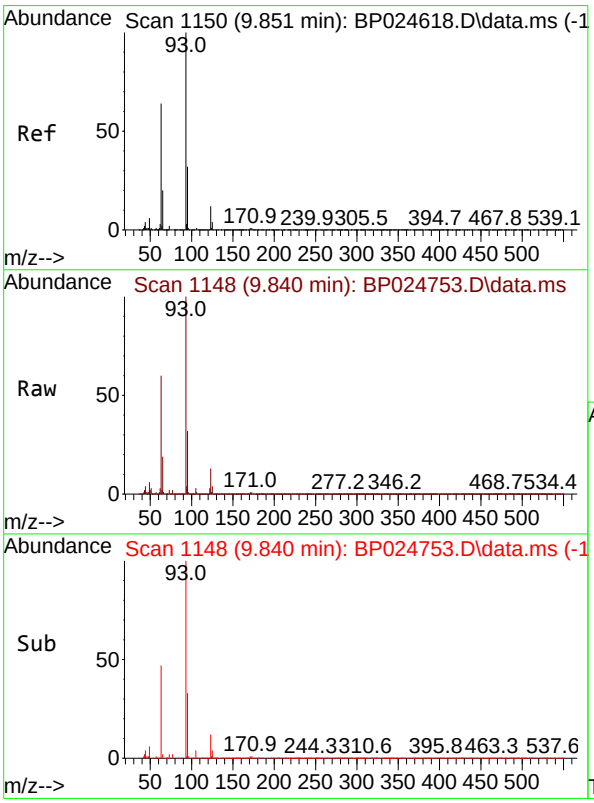
#27
2,4-Dimethylphenol
Concen: 38.480 ng
RT: 9.616 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 245937

Ion	Ratio	Lower	Upper
122	100		
107	122.3	96.2	144.2
121	61.4	47.6	71.4

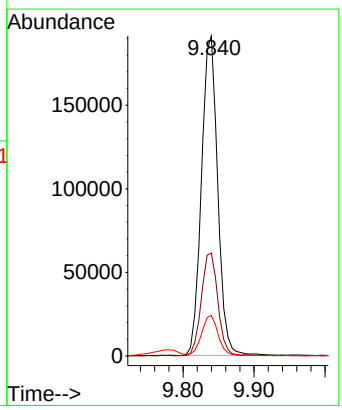


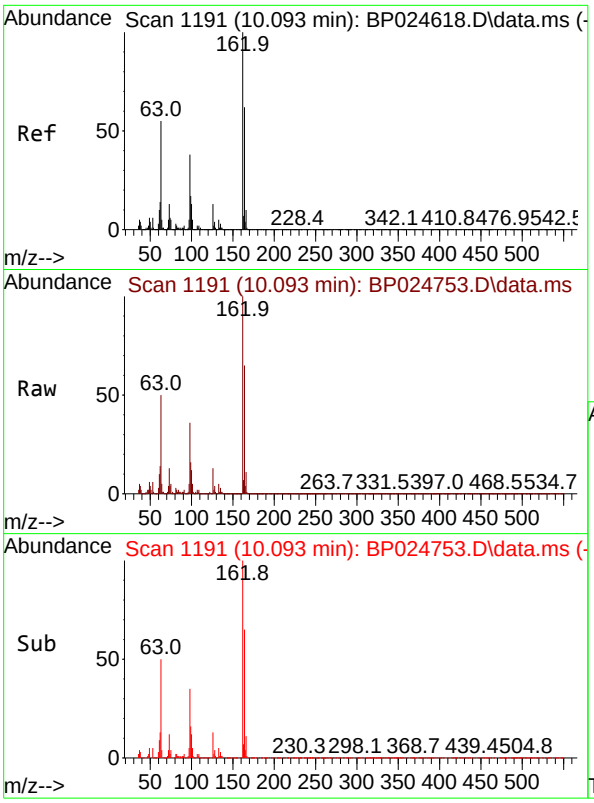


#28
bis(2-Chloroethoxy)methane
Concen: 35.006 ng
RT: 9.840 min Scan# 1148
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion: 93 Resp: 304970

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.5	38.3
123	12.6	9.7	14.5



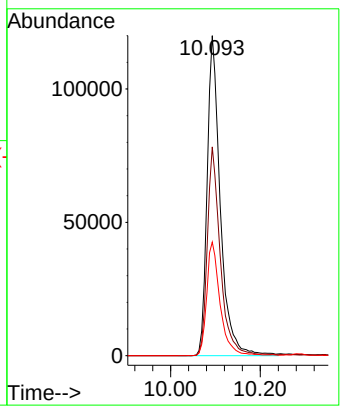


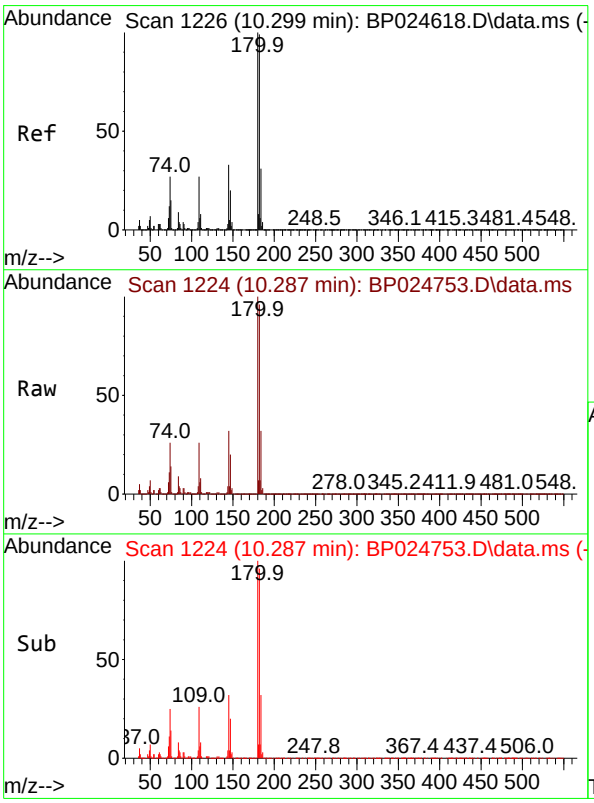
#29
2,4-Dichlorophenol
Concen: 39.525 ng
RT: 10.093 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 244803

Ion	Ratio	Lower	Upper
162	100		
164	65.3	42.3	82.3
98	35.5	18.4	58.4

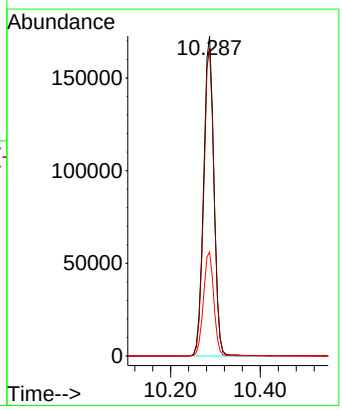


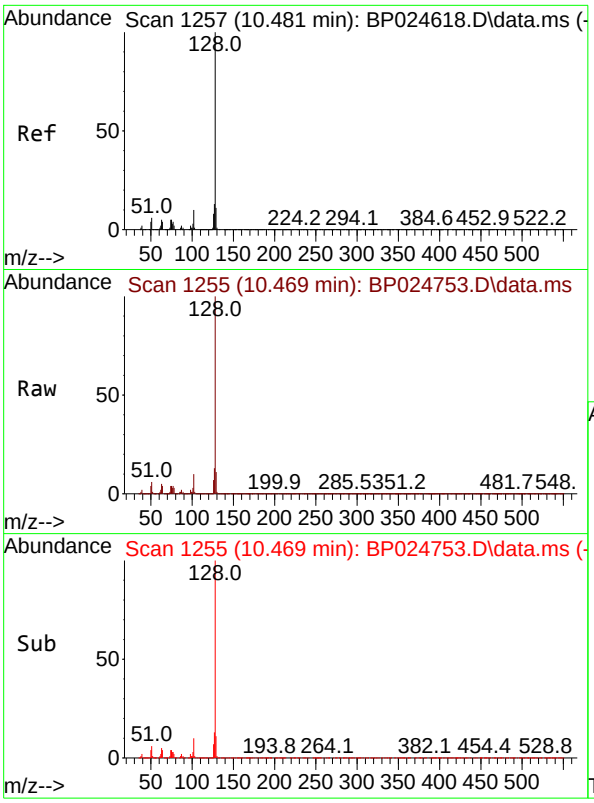


#30
1,2,4-Trichlorobenzene
Concen: 39.402 ng
RT: 10.287 min Scan# 1224
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:180 Resp: 275005

Ion	Ratio	Lower	Upper
180	100		
182	96.2	79.0	118.4
145	32.5	26.6	39.8



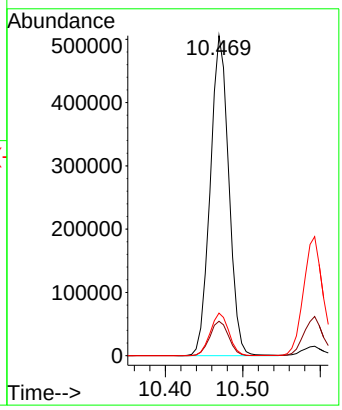


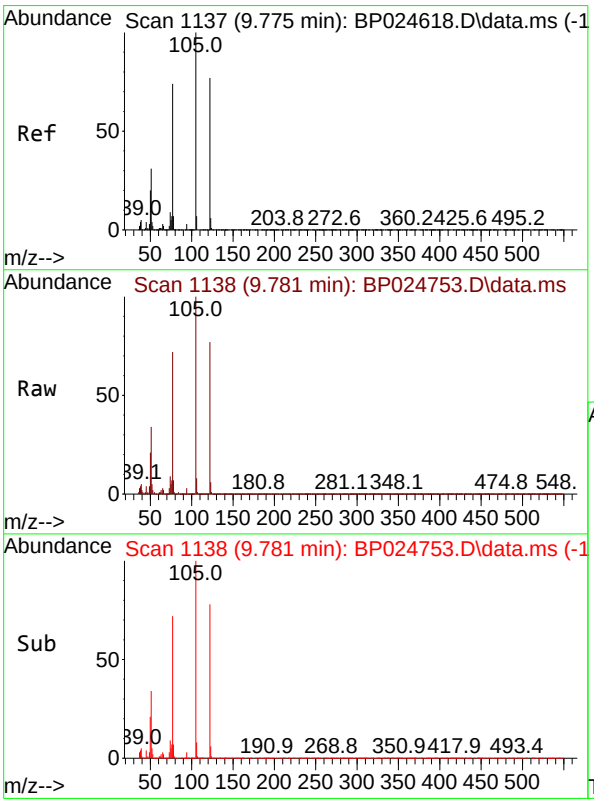
#31
Naphthalene
Concen: 38.135 ng
RT: 10.469 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 839383

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	13.3	10.7	16.1

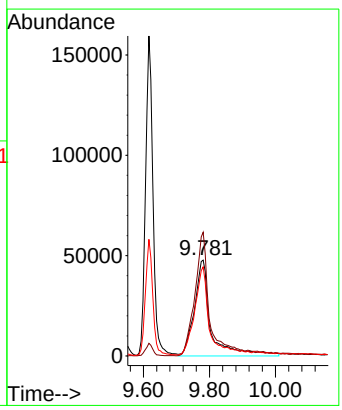


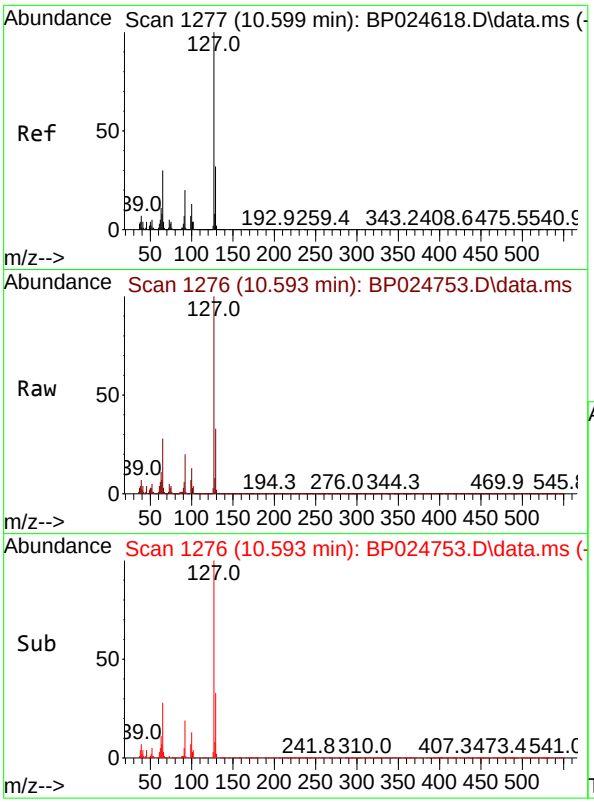


#32
Benzoic acid
Concen: 38.852 ng m
RT: 9.781 min Scan# 1138
Delta R.T. 0.006 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:122 Resp: 165369

Ion	Ratio	Lower	Upper
122	100		
105	129.1	106.9	146.9
77	93.0	75.1	115.1



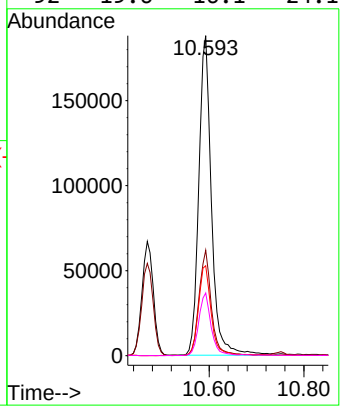


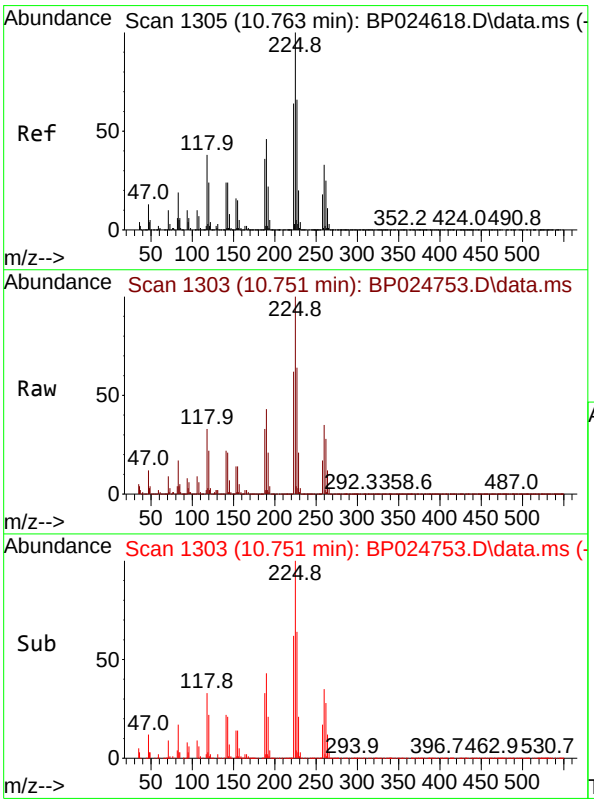
#33
4-Chloroaniline
Concen: 39.283 ng
RT: 10.593 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 348911

Ion	Ratio	Lower	Upper
127	100		
129	33.0	25.8	38.6
65	28.1	23.9	35.9
92	19.6	16.1	24.1

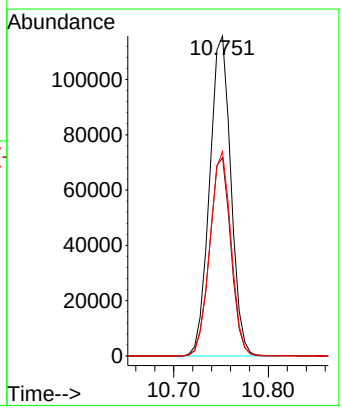


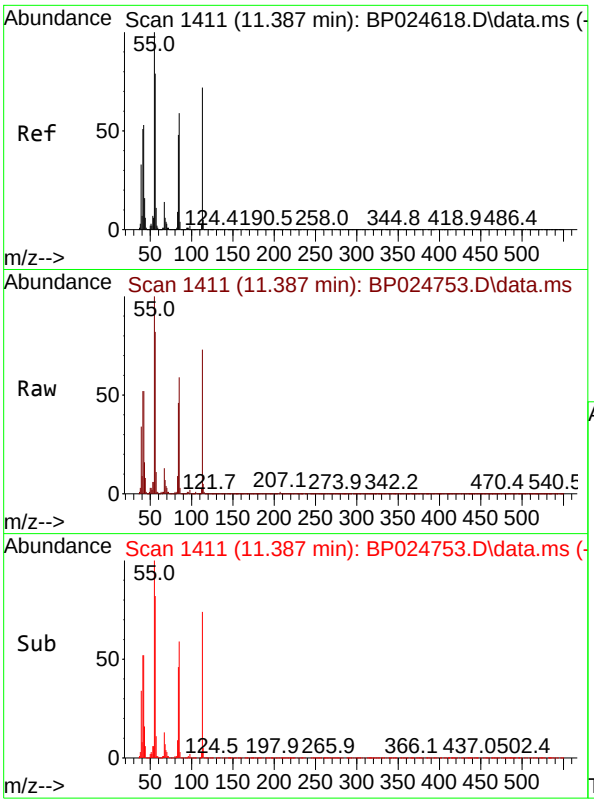


#34
Hexachlorobutadiene
Concen: 39.848 ng
RT: 10.751 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:225 Resp: 180166

Ion	Ratio	Lower	Upper
225	100		
223	62.0	51.0	76.6
227	63.9	53.1	79.7



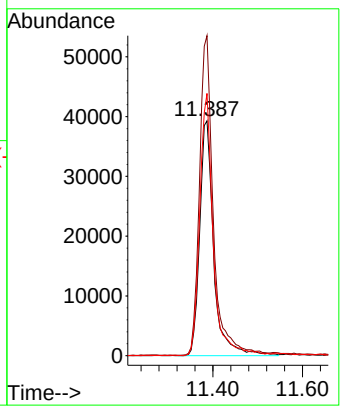


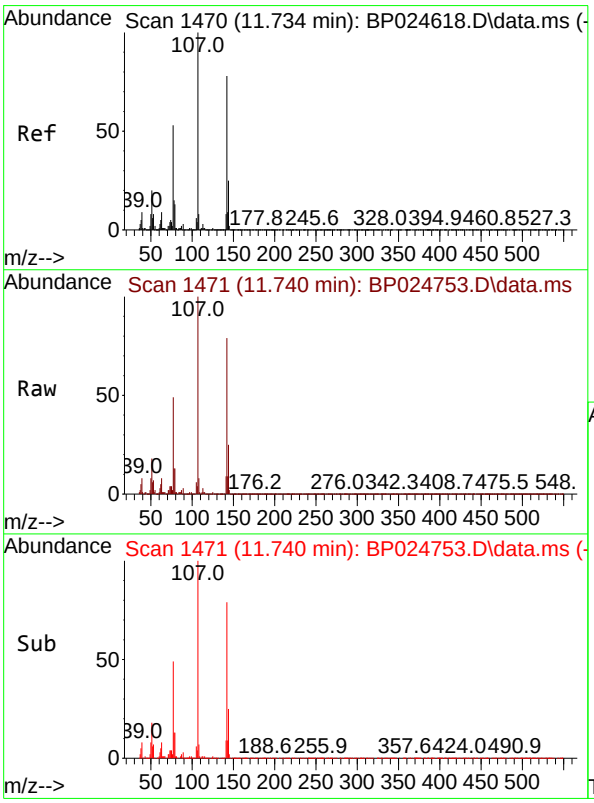
#35
Caprolactam
Concen: 37.940 ng
RT: 11.387 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 85017

Ion	Ratio	Lower	Upper
113	100		
55	136.2	119.0	159.0
56	111.6	90.3	130.3

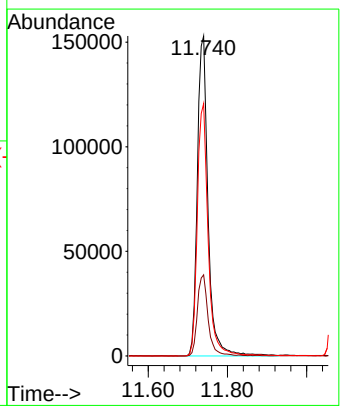


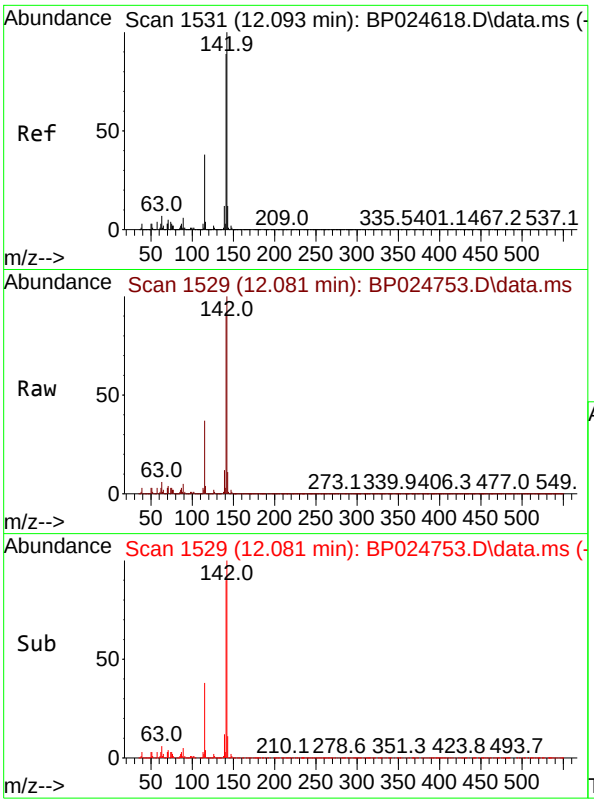


#36
4-Chloro-3-methylphenol
Concen: 37.828 ng
RT: 11.740 min Scan# 1471
Delta R.T. 0.006 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:107 Resp: 285718

Ion	Ratio	Lower	Upper
107	100		
144	25.3	20.1	30.1
142	78.9	62.1	93.1



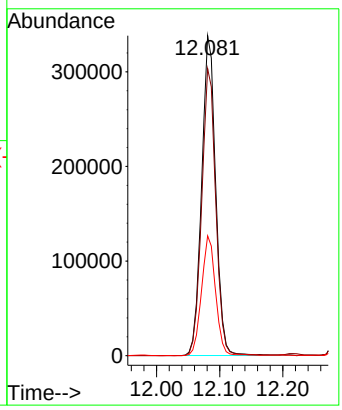


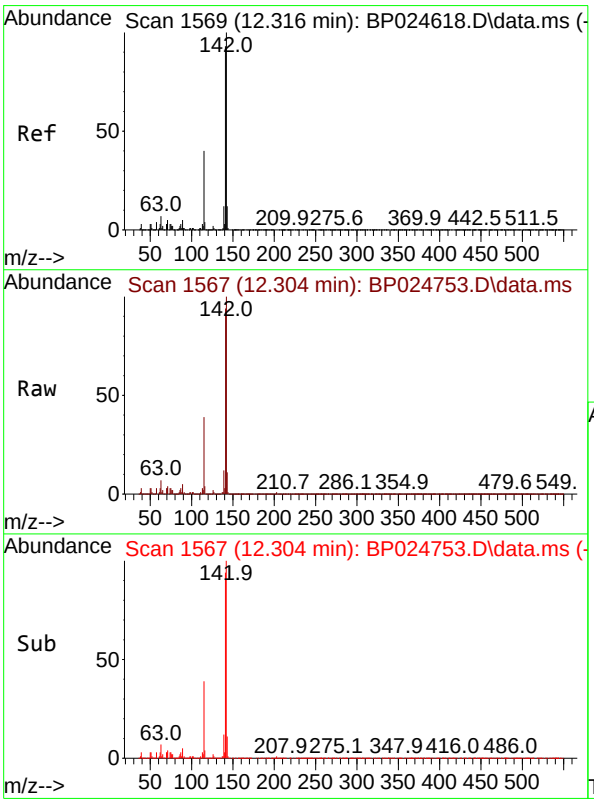
#37
2-Methylnaphthalene
Concen: 36.728 ng
RT: 12.081 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 523458

Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.2	106.8
115	37.4	30.6	46.0

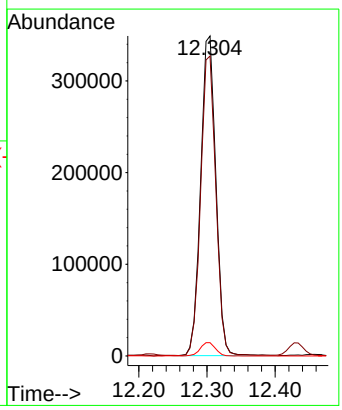


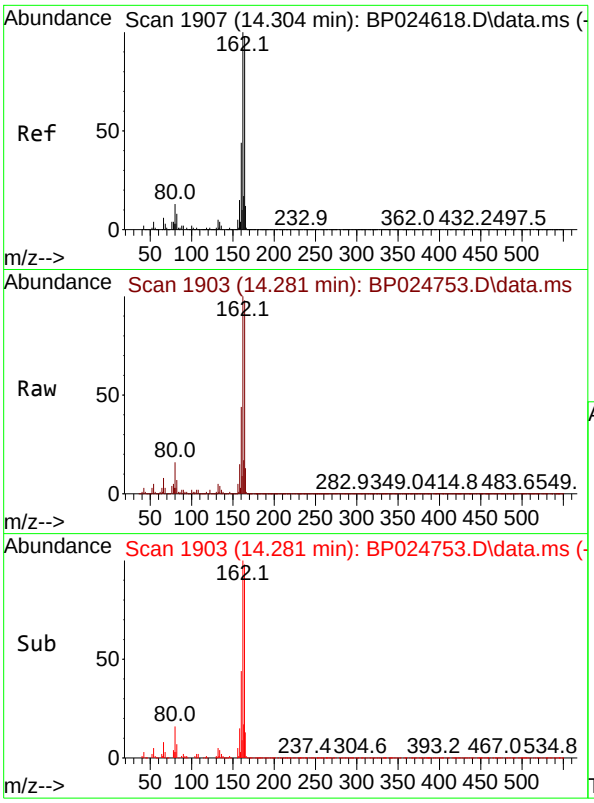


#38
1-Methylnaphthalene
Concen: 35.575 ng
RT: 12.304 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:142 Resp: 542501

Ion	Ratio	Lower	Upper
142	100		
141	93.8	74.7	112.1
116	4.2	3.4	5.2



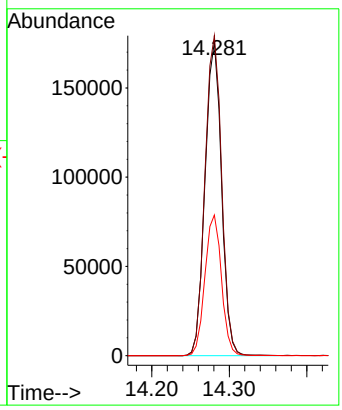


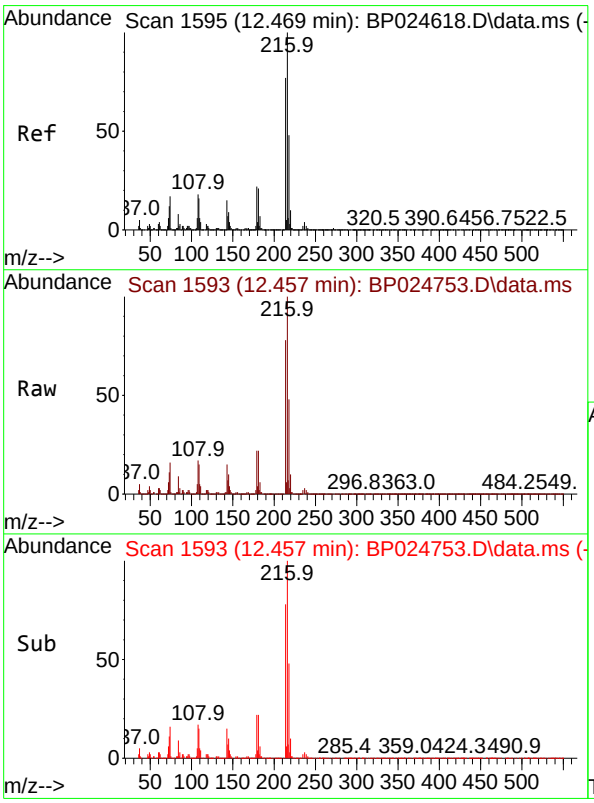
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.281 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 258861

Ion	Ratio	Lower	Upper
164	100		
162	102.0	81.8	122.6
160	44.8	36.3	54.5

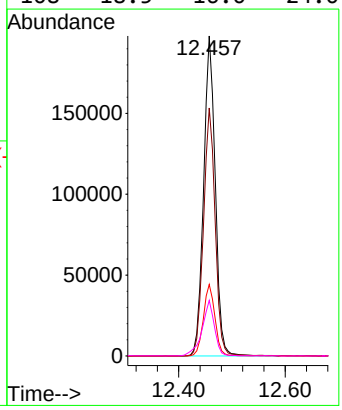


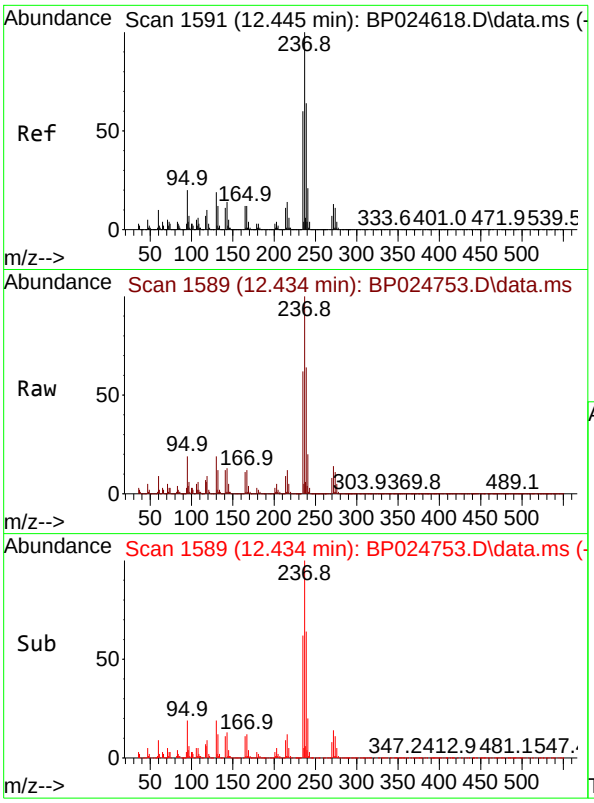


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.982 ng
RT: 12.457 min Scan# 1593
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:216 Resp: 300547

Ion	Ratio	Lower	Upper
216	100		
214	77.7	62.3	93.5
179	22.2	17.7	26.5
108	18.5	16.0	24.0



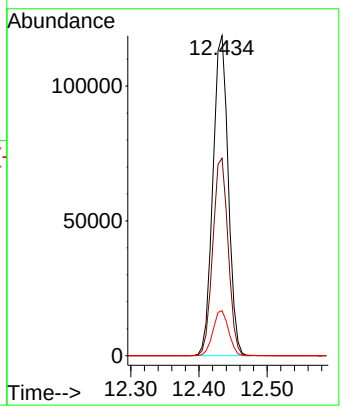


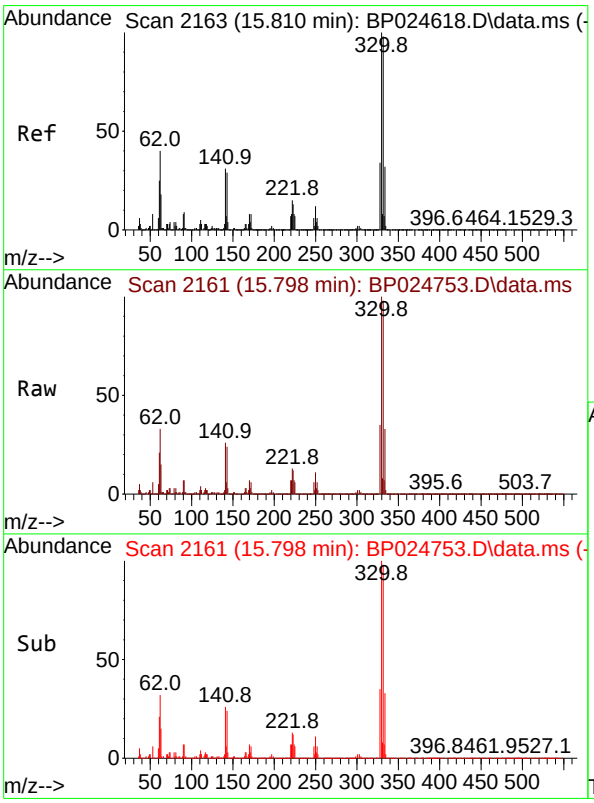
#41
Hexachlorocyclopentadiene
Concen: 40.752 ng
RT: 12.434 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 185751

Ion	Ratio	Lower	Upper
237	100		
235	61.7	39.9	79.9
272	14.1	0.0	33.2

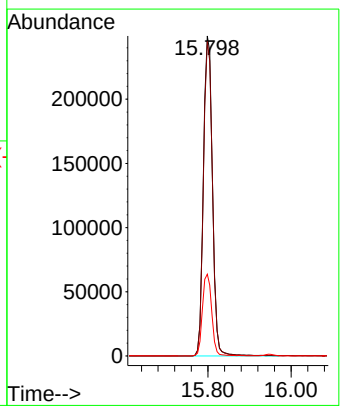


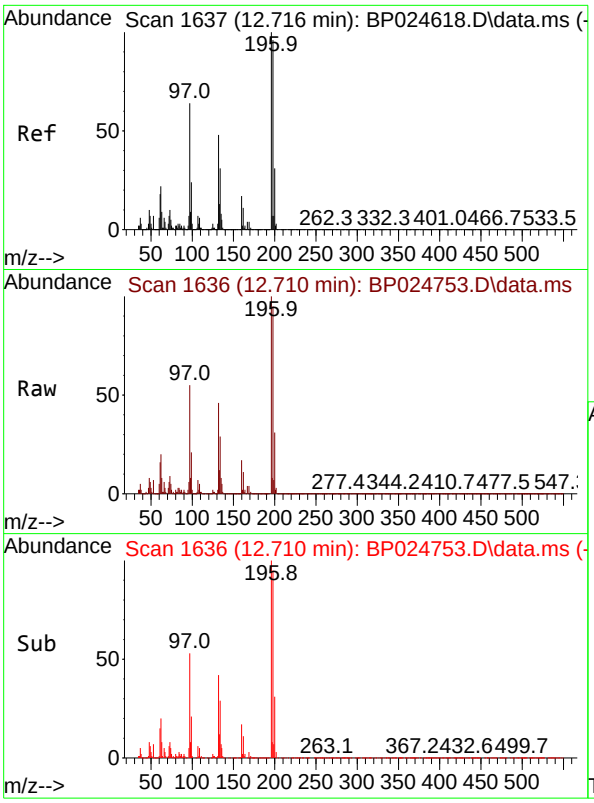


#42
2,4,6-Tribromophenol
Concen: 85.966 ng
RT: 15.798 min Scan# 2161
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:330 Resp: 377255

Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.2	117.4
141	26.2	24.3	36.5



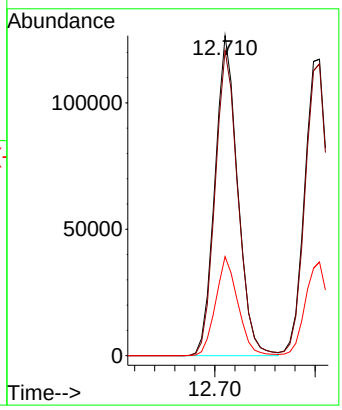


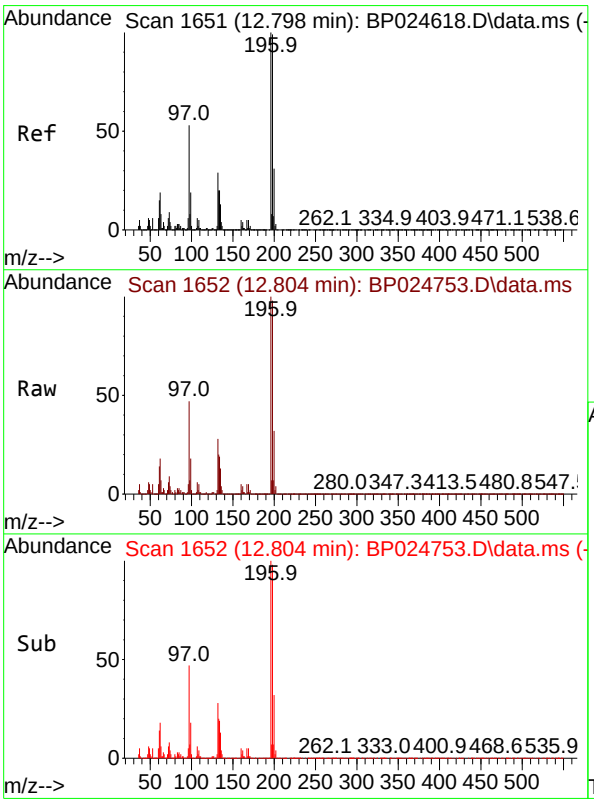
#43
2,4,6-Trichlorophenol
Concen: 40.962 ng
RT: 12.710 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 199436

Ion	Ratio	Lower	Upper
196	100		
198	95.4	76.9	115.3
200	30.9	25.2	37.8

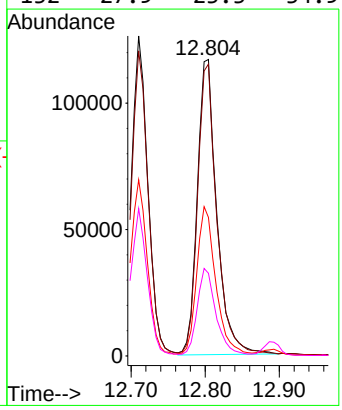


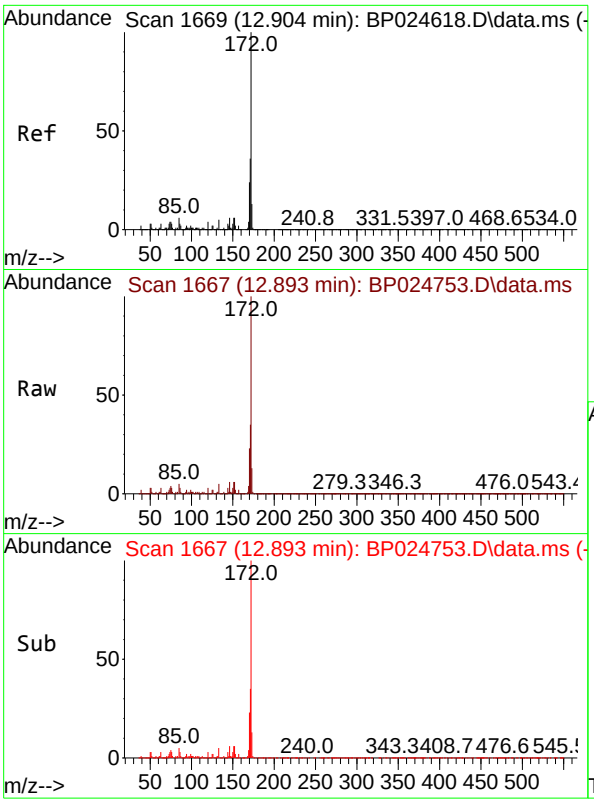


#44
2,4,5-Trichlorophenol
Concen: 39.385 ng
RT: 12.804 min Scan# 1652
Delta R.T. 0.006 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:196 Resp: 213455

Ion	Ratio	Lower	Upper
196	100		
198	98.4	79.2	118.8
97	46.8	42.3	63.5
132	27.9	23.3	34.9



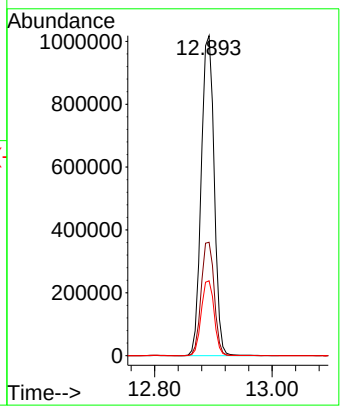


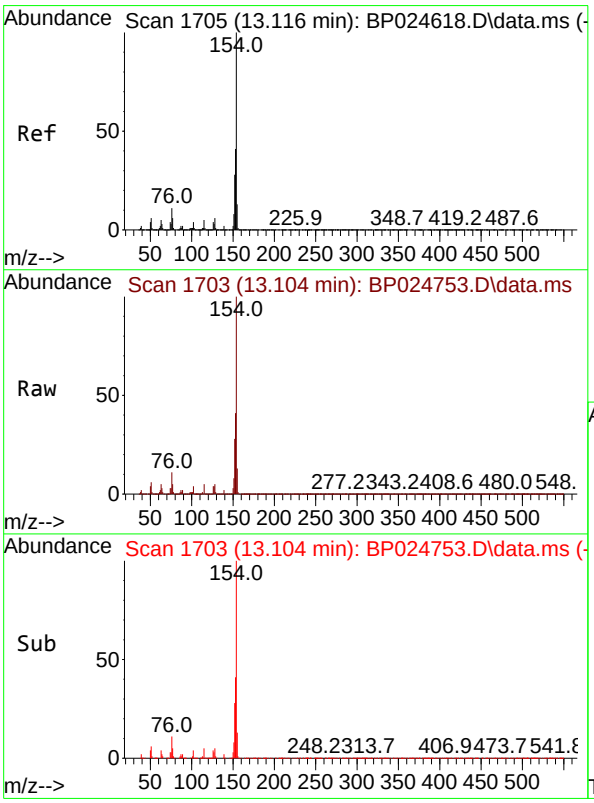
#45
2-Fluorobiphenyl
Concen: 78.711 ng
RT: 12.893 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 1555207

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.8	43.2
170	23.4	18.8	28.2

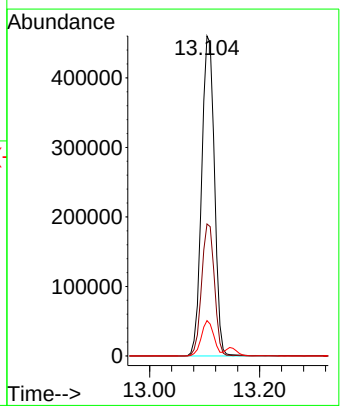


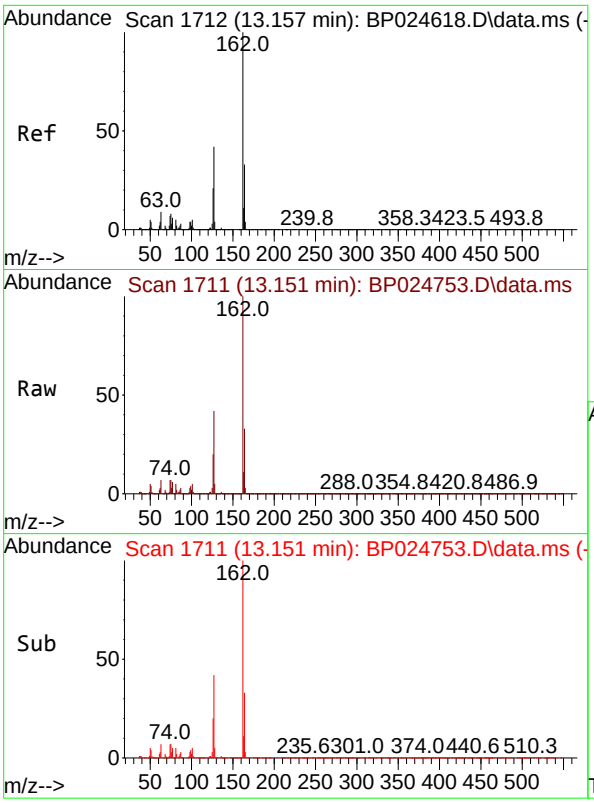


#46
1,1'-Biphenyl
Concen: 38.890 ng
RT: 13.104 min Scan# 1703
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:154 Resp: 744062

Ion	Ratio	Lower	Upper
154	100		
153	41.2	21.0	61.0
76	11.1	0.0	31.5



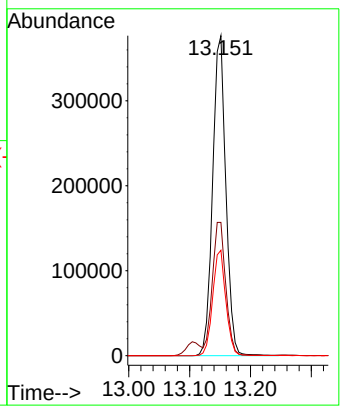


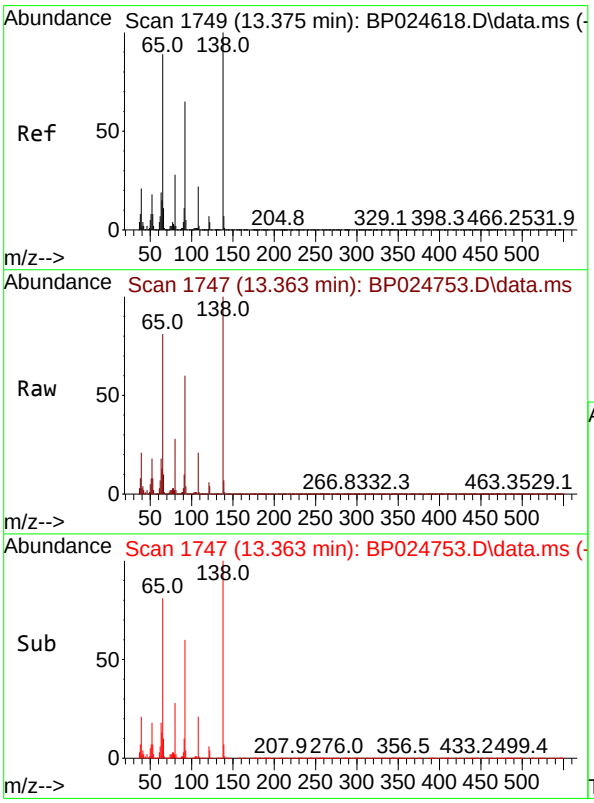
#47
2-Chloronaphthalene
Concen: 38.831 ng
RT: 13.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 566469

Ion	Ratio	Lower	Upper
162	100		
127	41.7	33.8	50.6
164	32.9	26.0	39.0

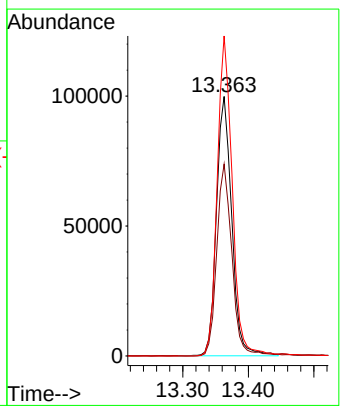


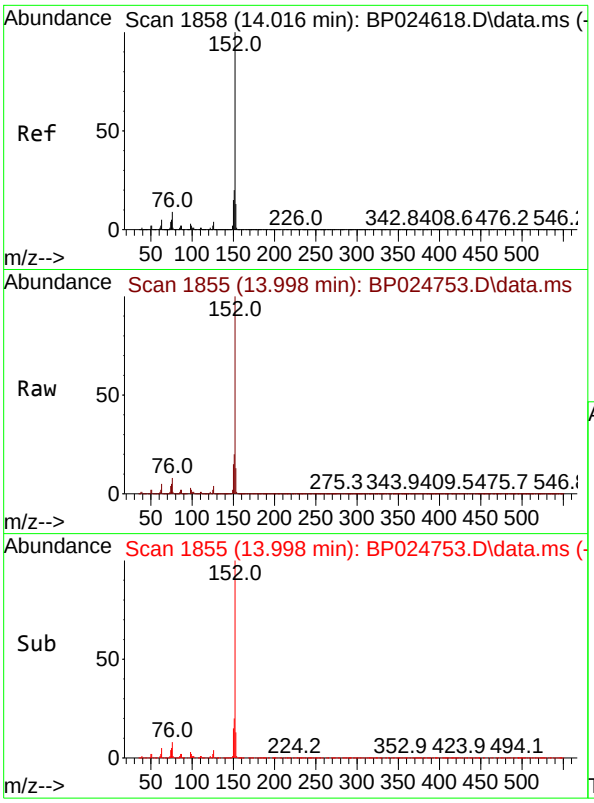


#48
2-Nitroaniline
Concen: 37.387 ng
RT: 13.363 min Scan# 1747
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion: 65 Resp: 161474

Ion	Ratio	Lower	Upper
65	100		
92	73.9	58.7	88.1
138	123.3	90.2	135.2



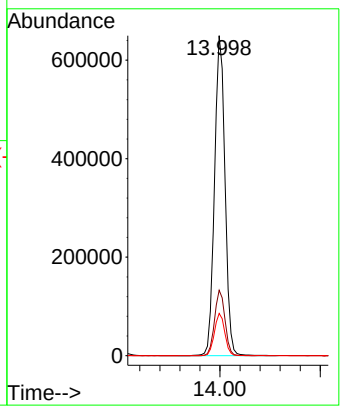


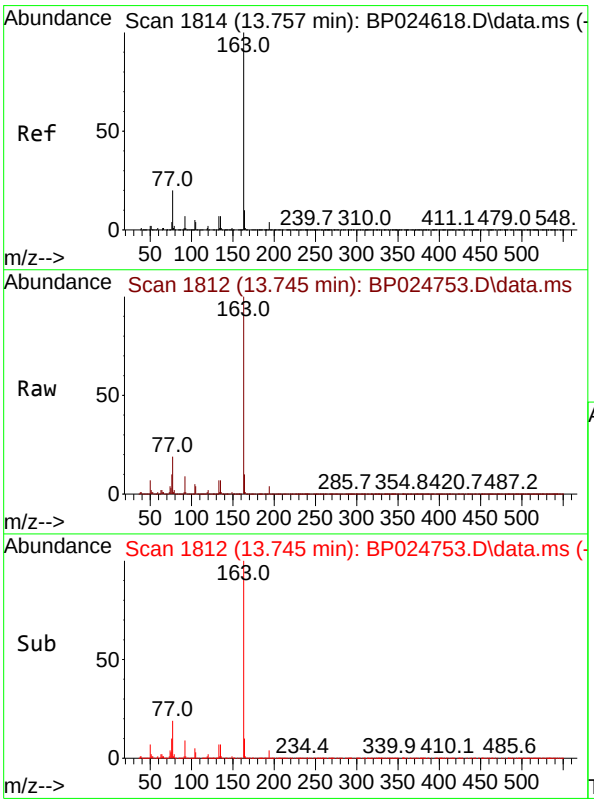
#49
Acenaphthylene
Concen: 38.561 ng
RT: 13.998 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 941385

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.4
153	13.2	10.2	15.4

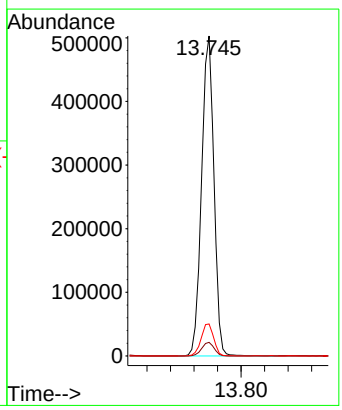


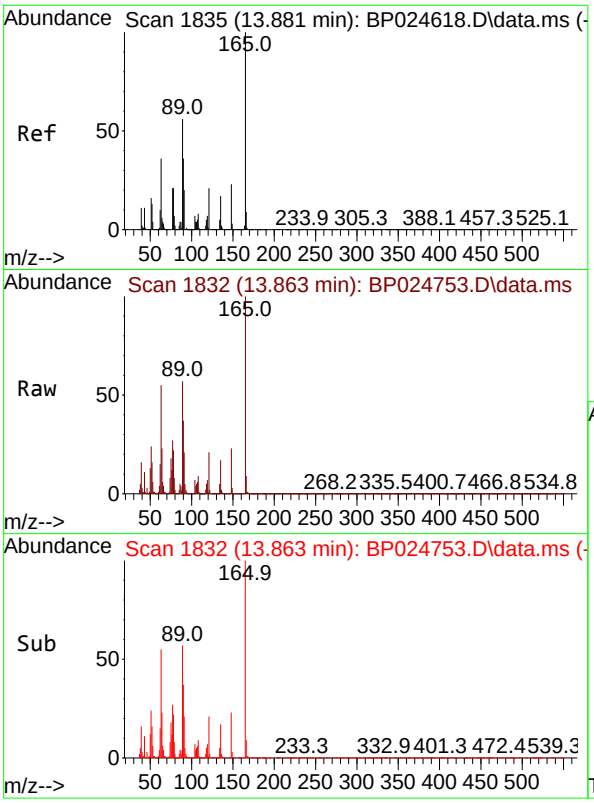


#50
Dimethylphthalate
Concen: 37.315 ng
RT: 13.745 min Scan# 1812
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:163 Resp: 736236

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	10.0	8.1	12.1



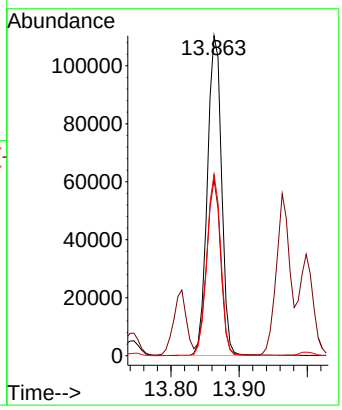


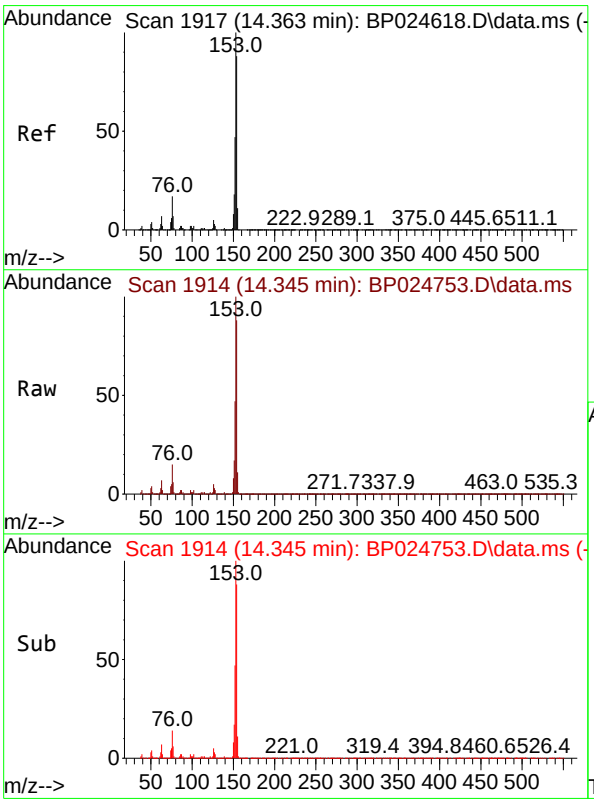
#51
2,6-Dinitrotoluene
Concen: 38.326 ng
RT: 13.863 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 159704

Ion	Ratio	Lower	Upper
165	100		
63	55.0	42.4	63.6
89	56.7	44.8	67.2

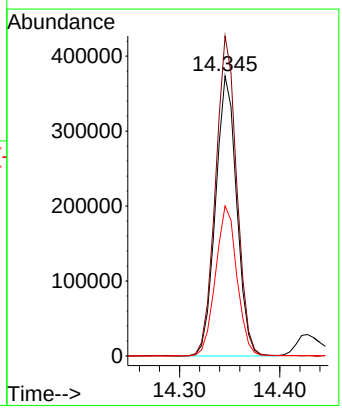


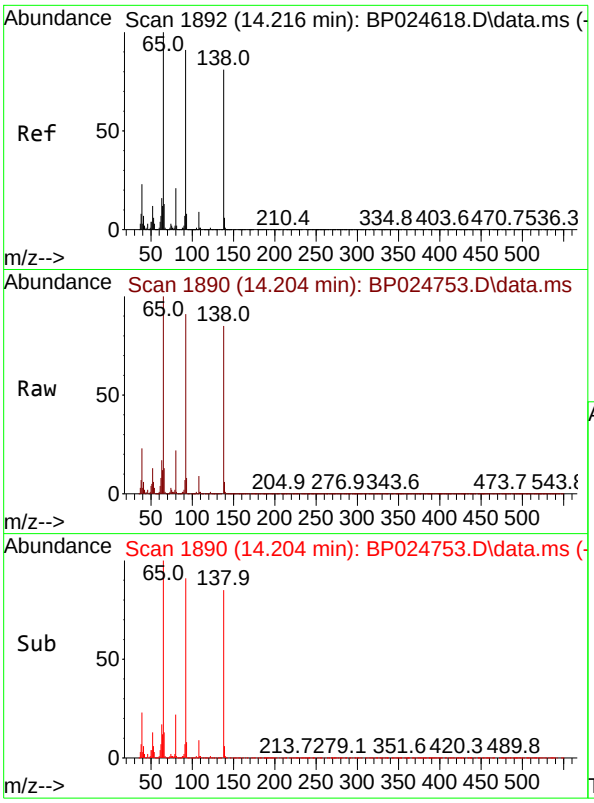


#52
Acenaphthene
Concen: 38.899 ng
RT: 14.345 min Scan# 1914
Delta R.T. -0.018 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:154 Resp: 545940

Ion	Ratio	Lower	Upper
154	100		
153	114.3	91.0	136.4
152	53.6	42.9	64.3



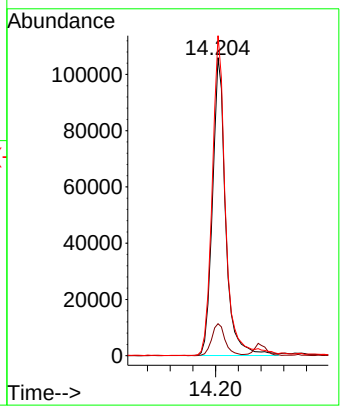


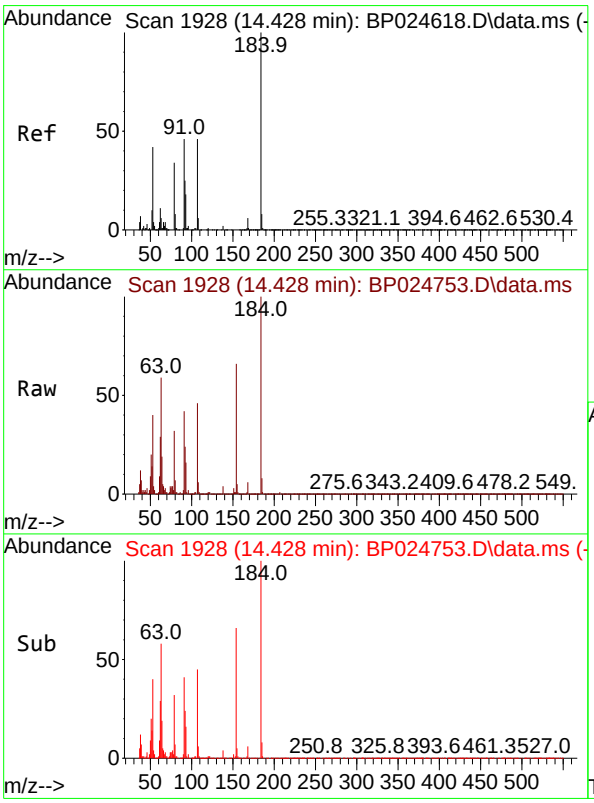
#53
3-Nitroaniline
Concen: 39.839 ng
RT: 14.204 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 169506

Ion	Ratio	Lower	Upper
138	100		
108	10.8	9.0	13.4
92	107.3	90.1	135.1

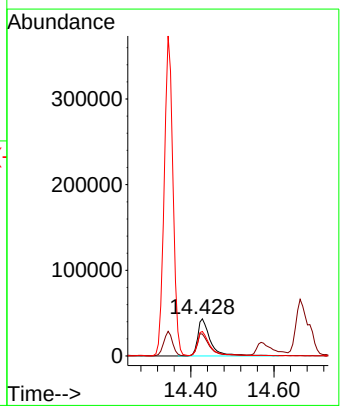


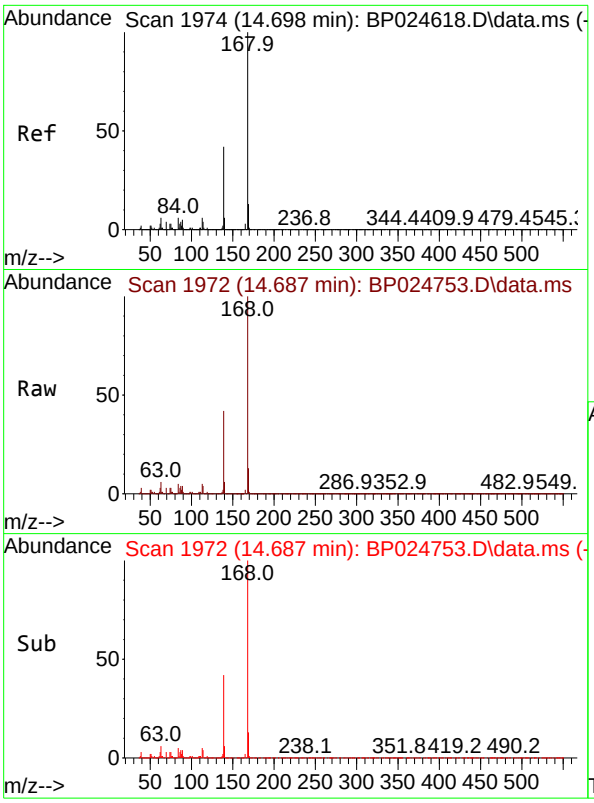


#54
2,4-Dinitrophenol
Concen: 38.598 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:184 Resp: 91959

Ion	Ratio	Lower	Upper
184	100		
63	59.1	51.3	76.9
154	66.2	53.5	80.3



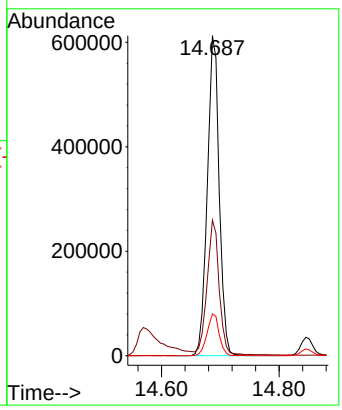


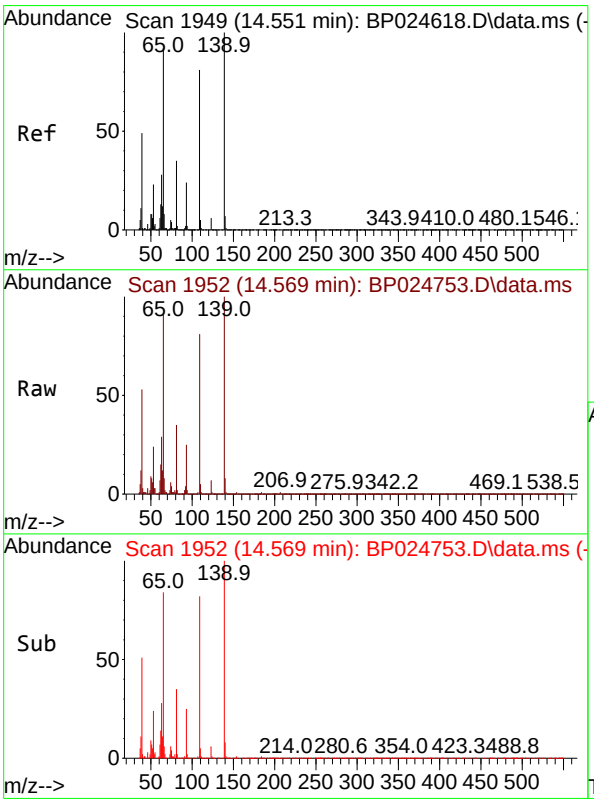
#55
Dibenzofuran
Concen: 38.494 ng
RT: 14.687 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 861722

Ion	Ratio	Lower	Upper
168	100		
139	42.3	34.2	51.4
169	13.1	10.8	16.2

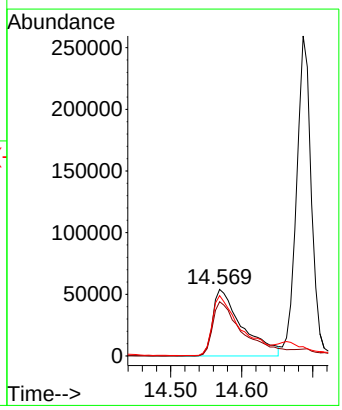


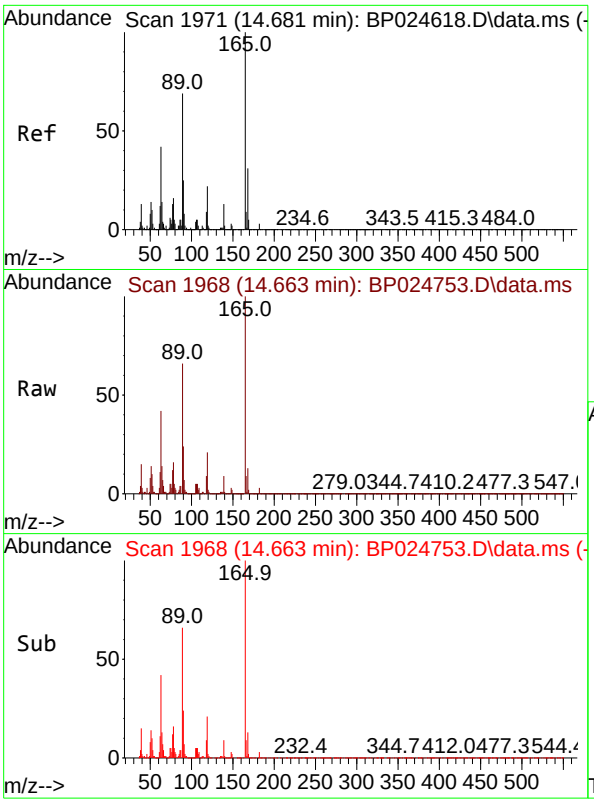


#56
4-Nitrophenol
Concen: 43.899 ng
RT: 14.569 min Scan# 1952
Delta R.T. 0.018 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:139 Resp: 154275

Ion	Ratio	Lower	Upper
139	100		
109	81.4	61.4	101.4
65	90.5	72.2	112.2



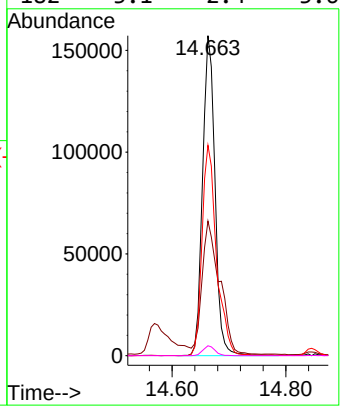


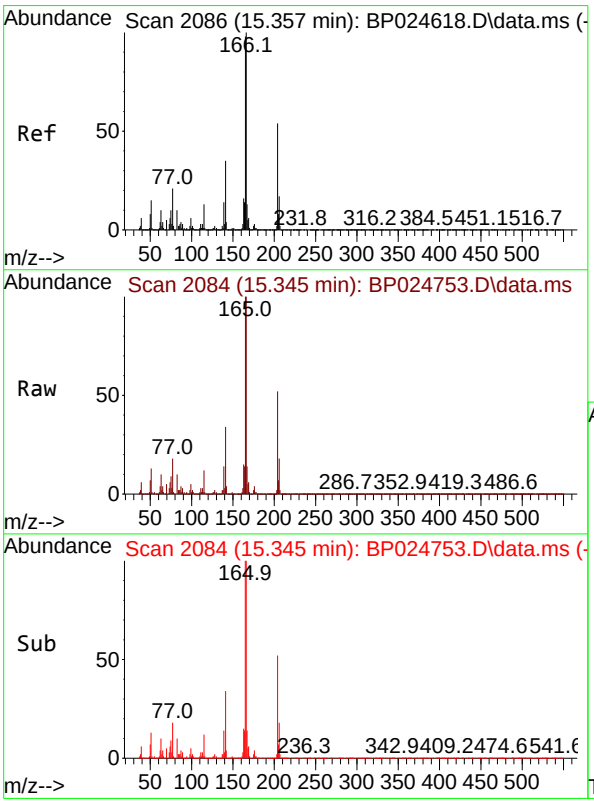
#57
2,4-Dinitrotoluene
Concen: 40.393 ng
RT: 14.663 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 237293

Ion	Ratio	Lower	Upper
165	100		
63	42.0	33.8	50.6
89	65.8	55.6	83.4
182	3.1	2.4	3.6

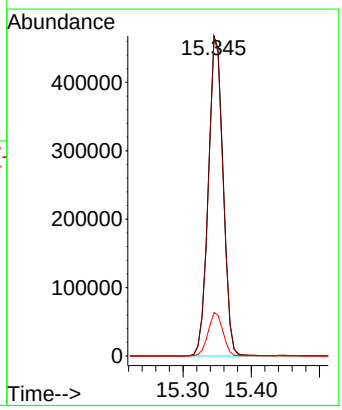


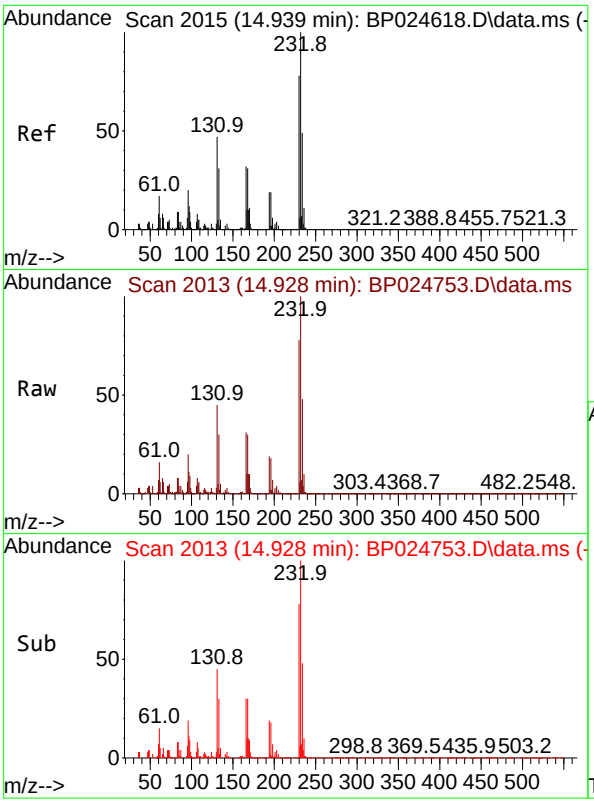


#58
Fluorene
Concen: 38.724 ng
RT: 15.345 min Scan# 2084
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:166 Resp: 706842

Ion	Ratio	Lower	Upper
166	100		
165	99.6	78.5	117.7
167	13.6	10.7	16.1



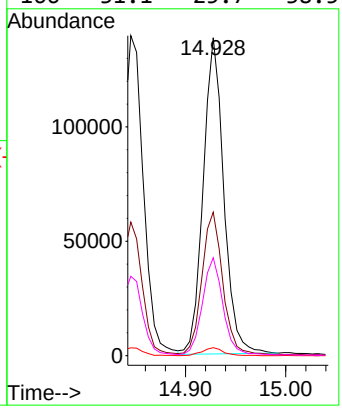


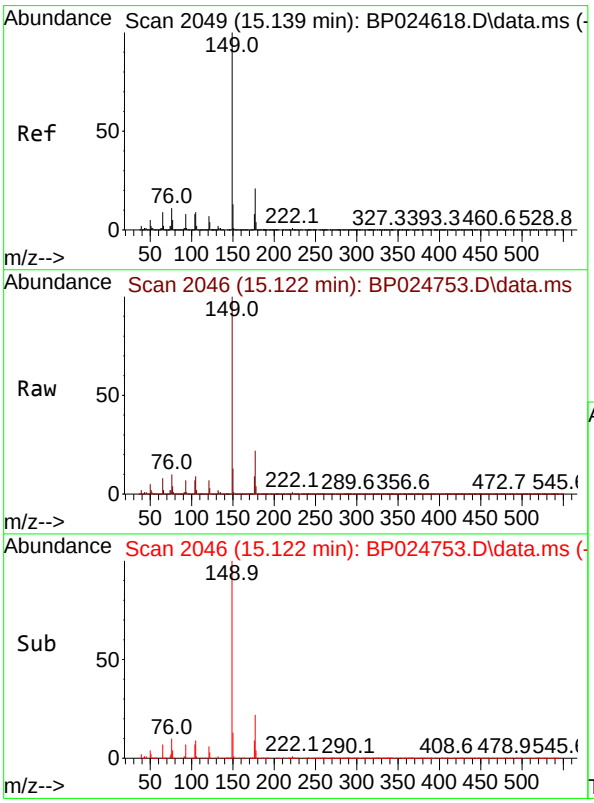
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.304 ng
RT: 14.928 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 197601

Ion	Ratio	Lower	Upper
232	100		
131	45.9	39.5	59.3
130	2.6	2.2	3.4
166	31.1	25.7	38.5

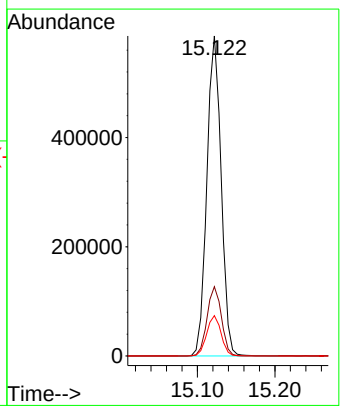


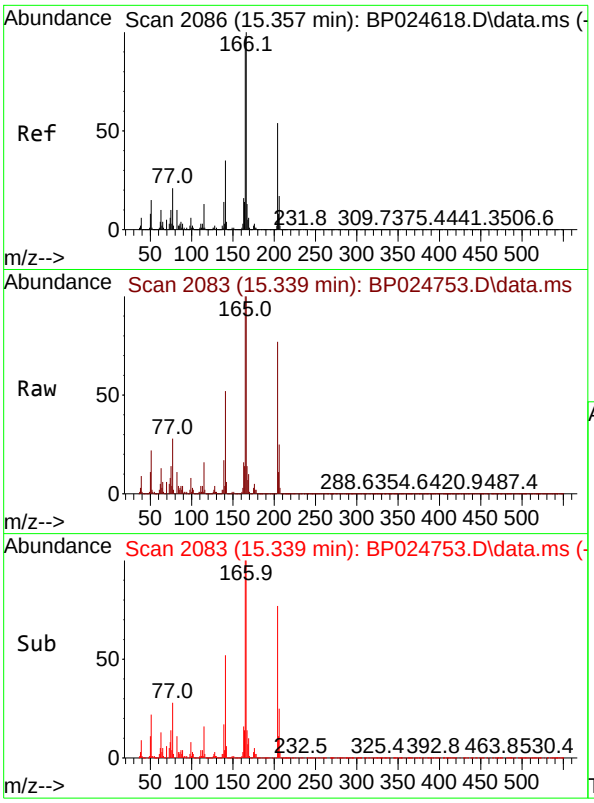


#60
Diethylphthalate
Concen: 37.552 ng
RT: 15.122 min Scan# 2046
Delta R.T. -0.018 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:149 Resp: 748861

Ion	Ratio	Lower	Upper
149	100		
177	21.7	16.7	25.1
150	12.6	10.2	15.2



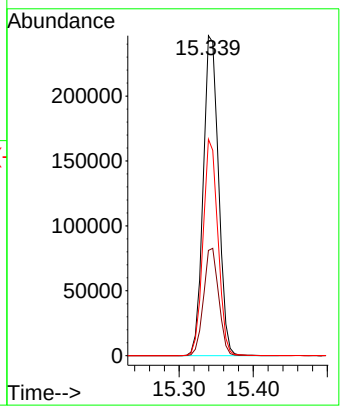


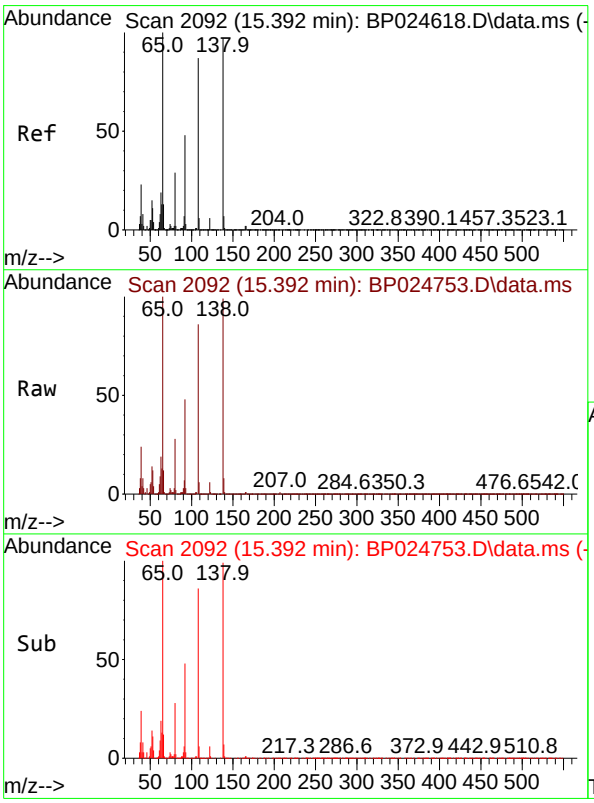
#61
4-Chlorophenyl-phenylether
Concen: 38.753 ng
RT: 15.339 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 352770

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.0	39.0
141	67.6	52.9	79.3

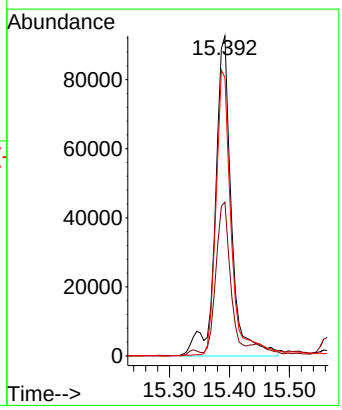


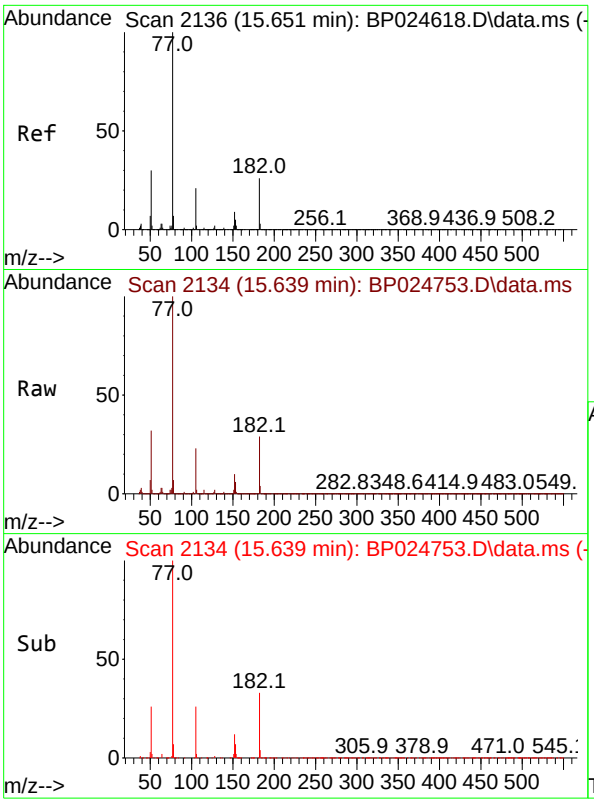


#62
4-Nitroaniline
Concen: 42.328 ng m
RT: 15.392 min Scan# 2092
Delta R.T. 0.000 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:138 Resp: 173898

Ion	Ratio	Lower	Upper
138	100		
92	48.1	29.2	69.2
108	87.0	69.0	109.0



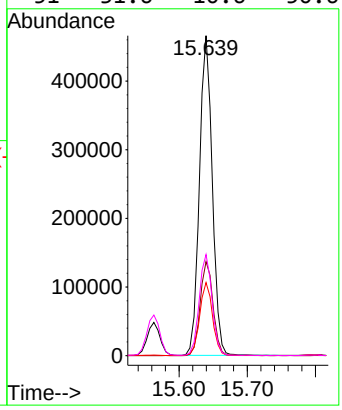


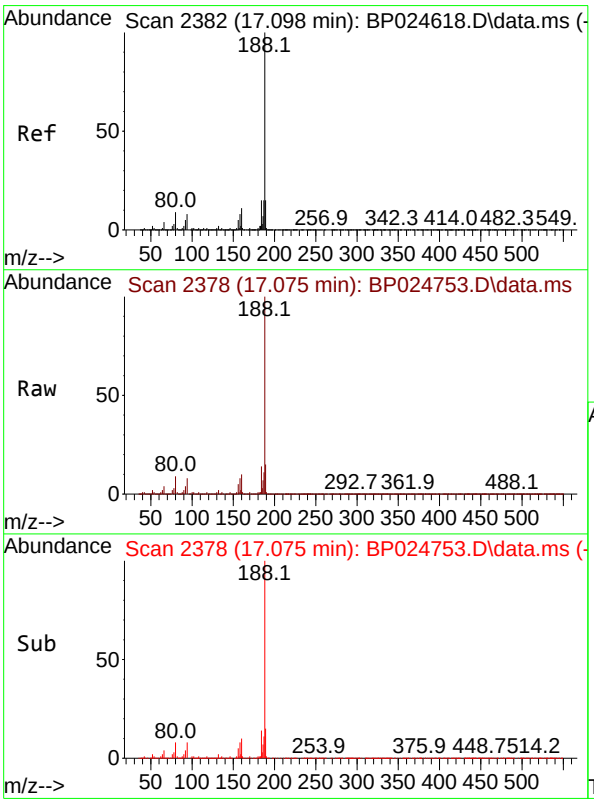
#63
Azobenzene
Concen: 35.788 ng
RT: 15.639 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 610526

Ion	Ratio	Lower	Upper
77	100		
182	29.4	5.7	45.7
105	22.8	1.3	41.3
51	31.6	10.6	50.6

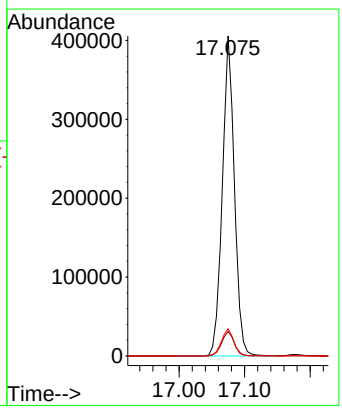


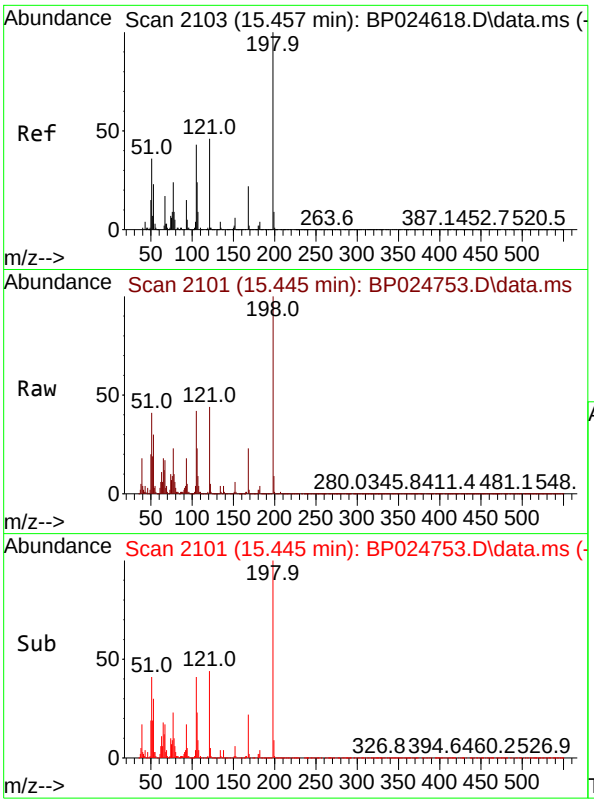


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.075 min Scan# 2378
Delta R.T. -0.024 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:188 Resp: 515151

Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.5	9.7
80	8.5	7.3	10.9



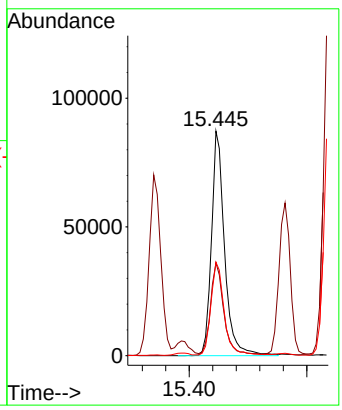


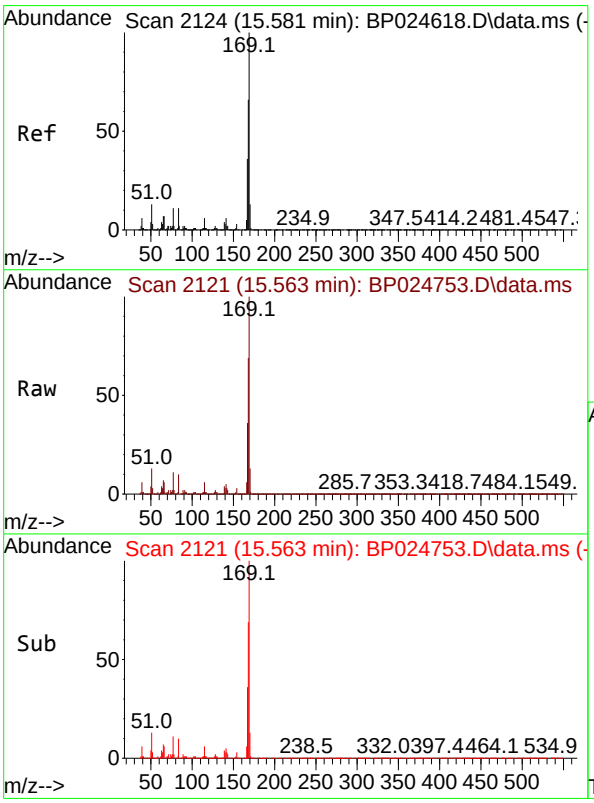
#65
4,6-Dinitro-2-methylphenol
Concen: 40.689 ng
RT: 15.445 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 135394

Ion	Ratio	Lower	Upper
198	100		
51	41.3	21.1	61.1
105	41.6	23.6	63.6

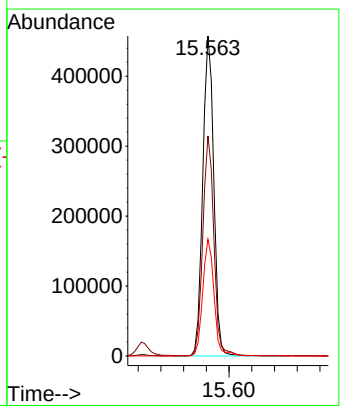


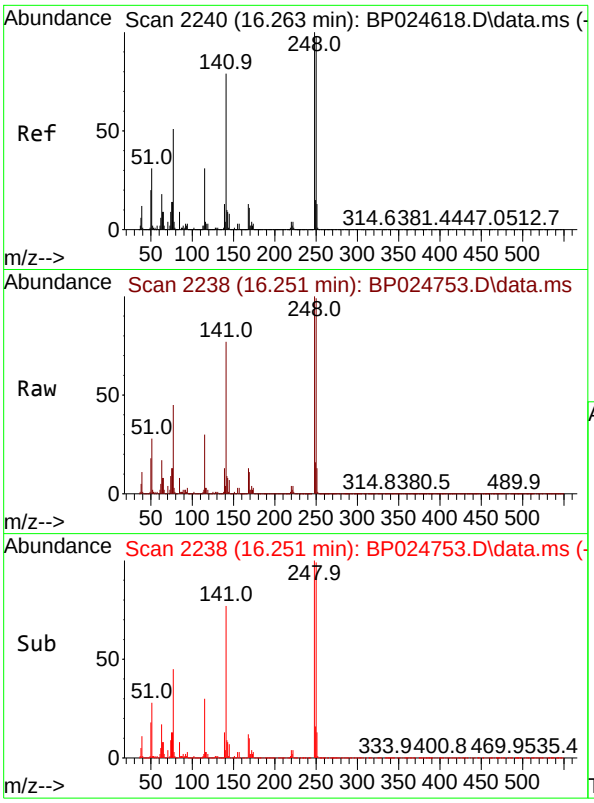


#66
n-Nitrosodiphenylamine
Concen: 38.716 ng
RT: 15.563 min Scan# 2121
Delta R.T. -0.018 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:169 Resp: 612621

Ion	Ratio	Lower	Upper
169	100		
168	68.7	53.2	79.8
167	36.5	28.6	43.0



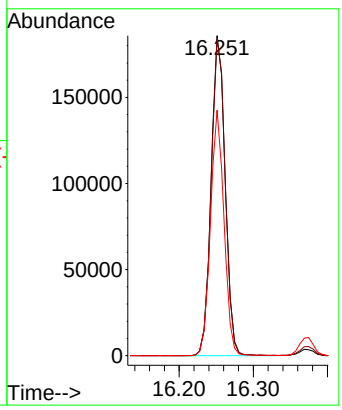


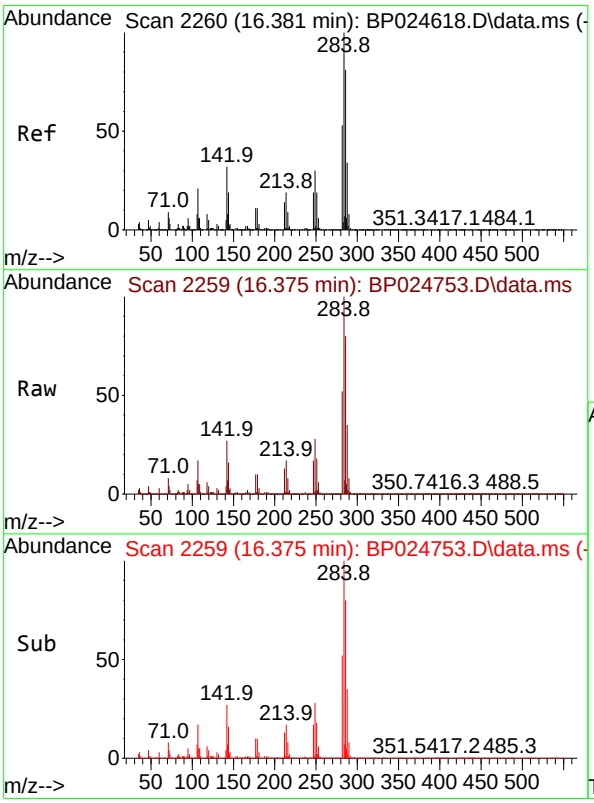
#67
4-Bromophenyl-phenylether
Concen: 40.197 ng
RT: 16.251 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 244008

Ion	Ratio	Lower	Upper
248	100		
250	99.0	78.2	117.4
141	76.7	63.0	94.6

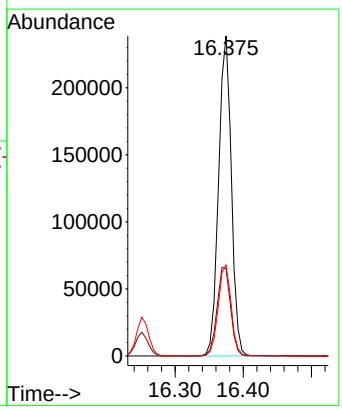


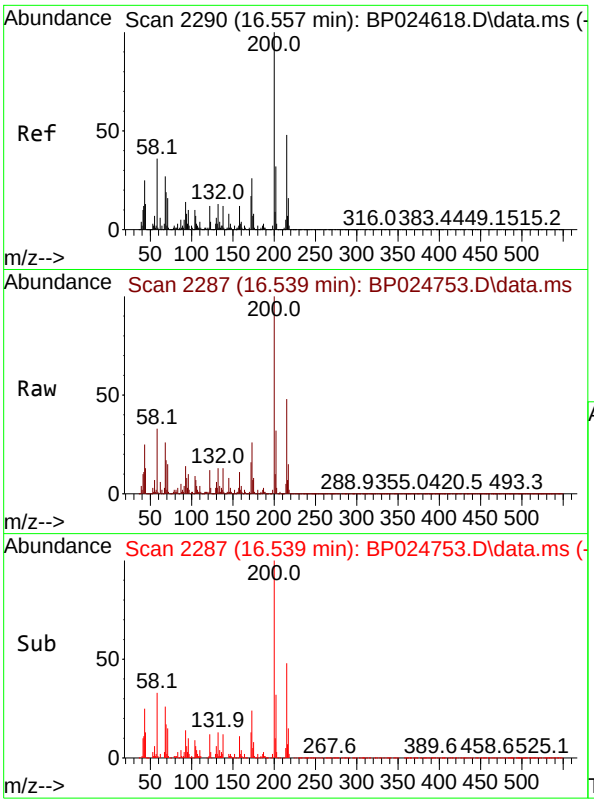


#68
Hexachlorobenzene
Concen: 40.264 ng
RT: 16.375 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:284 Resp: 310572

Ion	Ratio	Lower	Upper
284	100		
142	27.3	25.9	38.9
249	28.3	24.1	36.1



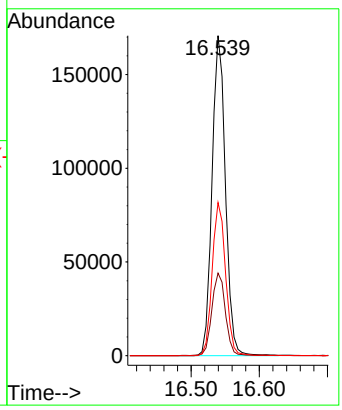


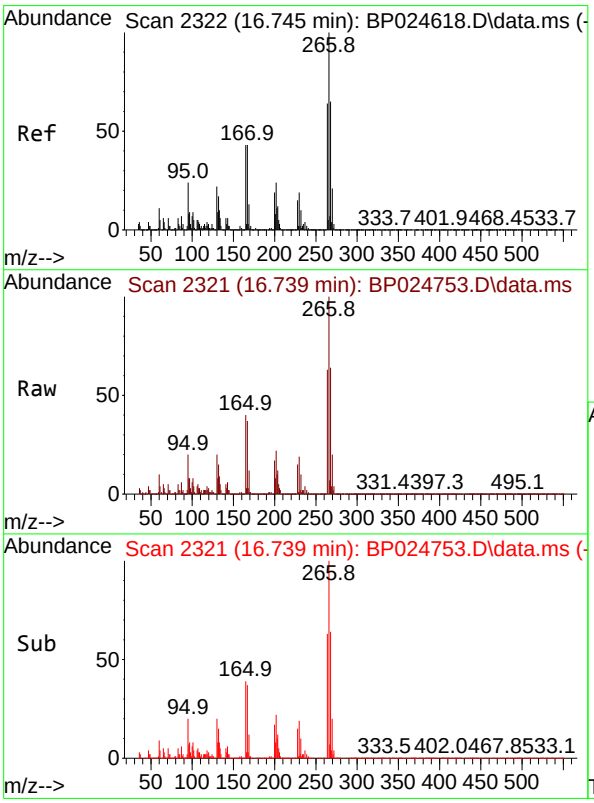
#69
Atrazine
Concen: 40.157 ng
RT: 16.539 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 232866

Ion	Ratio	Lower	Upper
200	100		
173	25.8	5.9	45.9
215	47.9	28.3	68.3

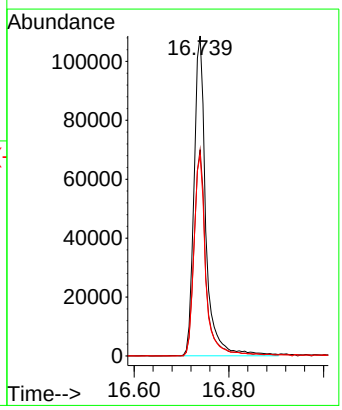


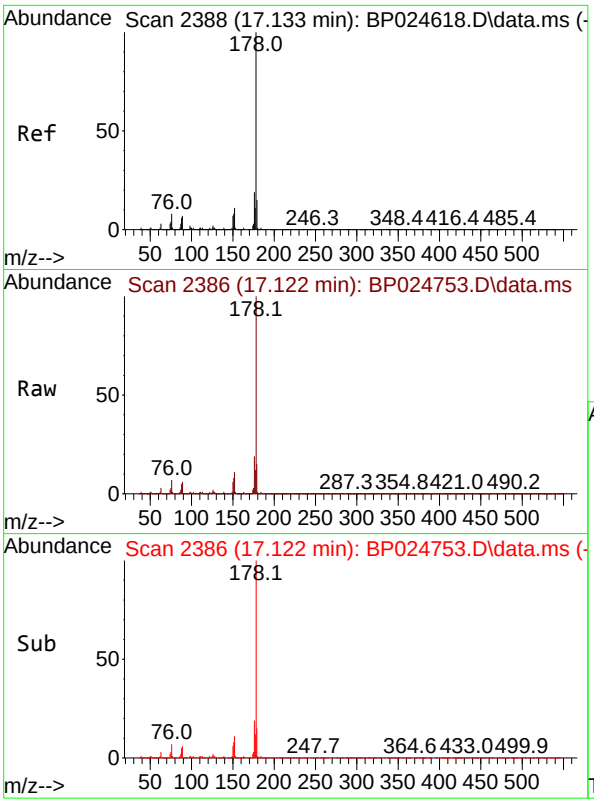


#70
Pentachlorophenol
Concen: 43.610 ng
RT: 16.739 min Scan# 2321
Delta R.T. -0.006 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:266 Resp: 188824

Ion	Ratio	Lower	Upper
266	100		
268	64.4	52.2	78.4
264	62.7	51.1	76.7



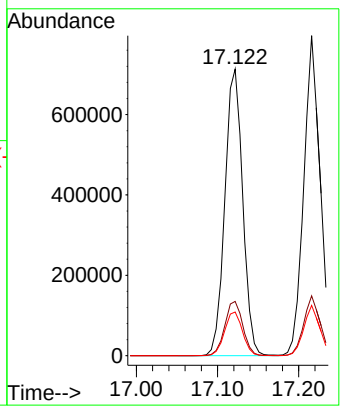


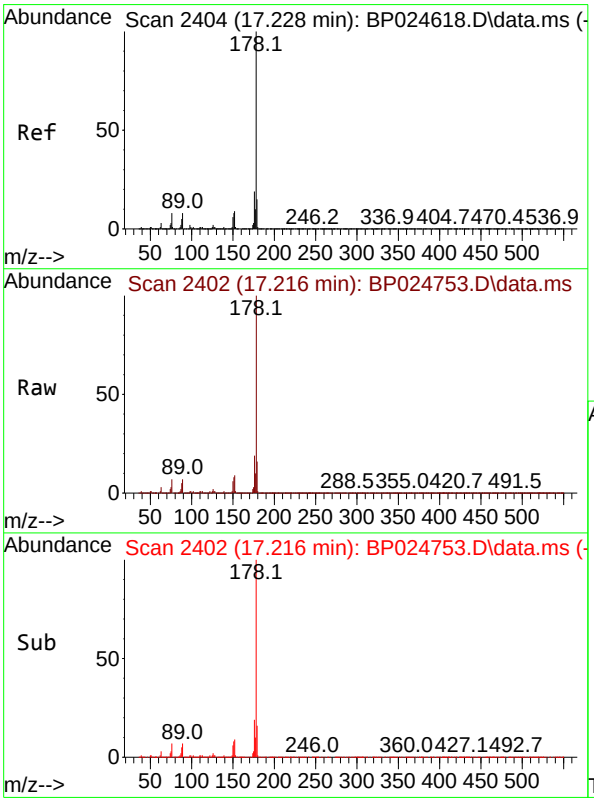
#71
Phenanthrene
Concen: 37.997 ng
RT: 17.122 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 1088145

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.3	12.2	18.4

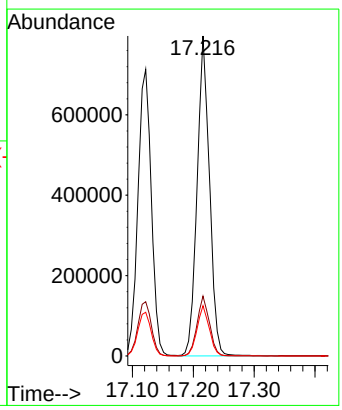


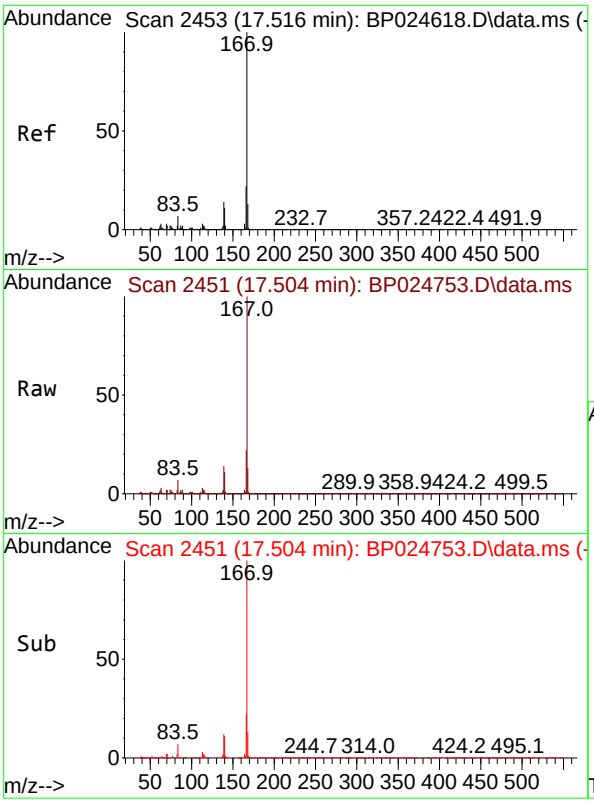


#72
Anthracene
Concen: 39.094 ng
RT: 17.216 min Scan# 2402
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:178 Resp: 1126427

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.7	12.2	18.2



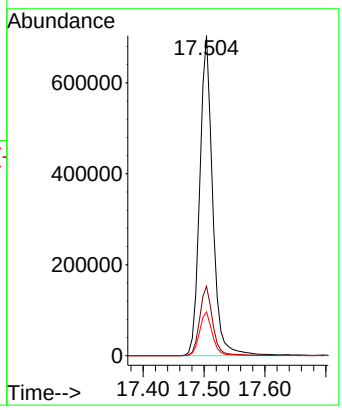


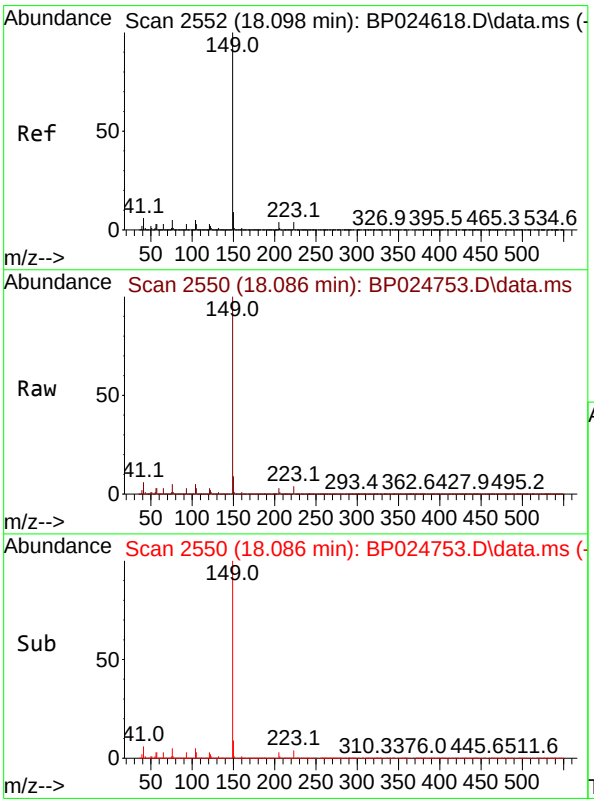
#73
Carbazole
Concen: 39.626 ng
RT: 17.504 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 1033405

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.7	26.5
139	13.7	11.3	16.9

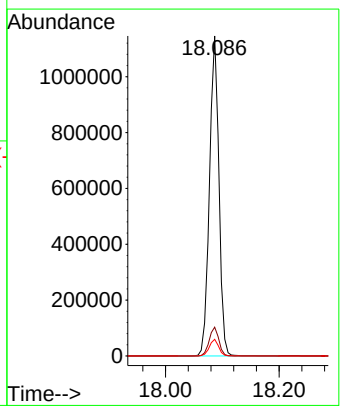


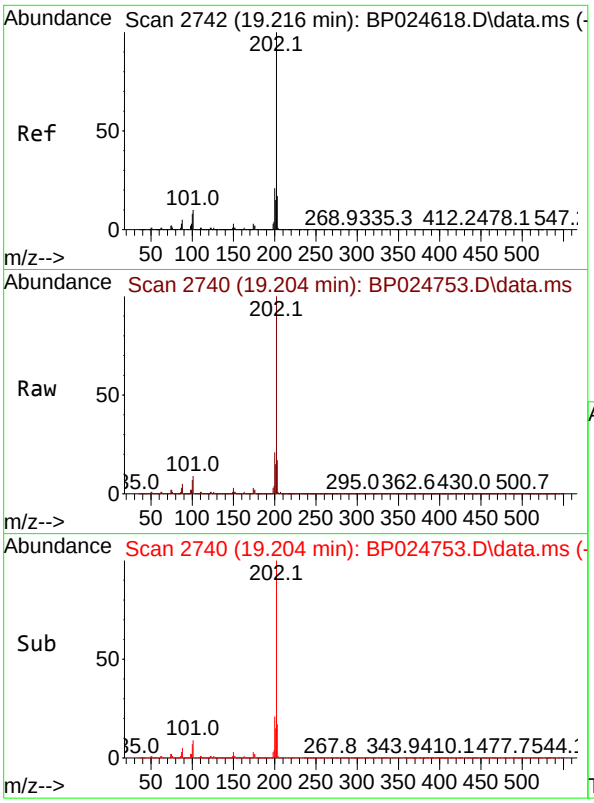


#74
Di-n-butylphthalate
Concen: 39.153 ng
RT: 18.086 min Scan# 2550
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:149 Resp: 1313152

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.2	10.8
104	5.2	4.3	6.5



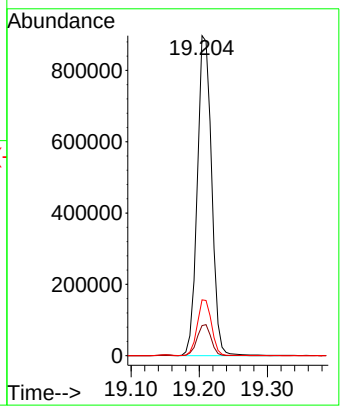


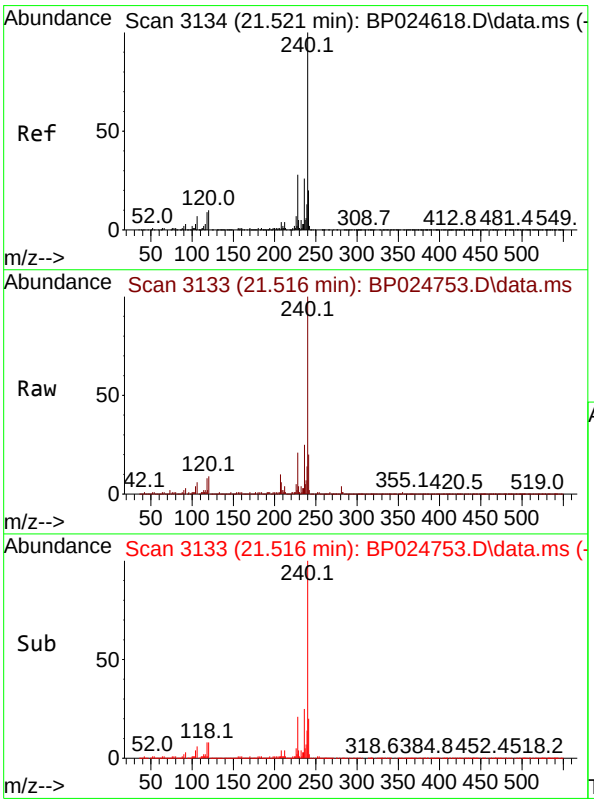
#75
Fluoranthene
Concen: 39.094 ng
RT: 19.204 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 1308696

Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	30.3
203	17.5	0.0	37.5

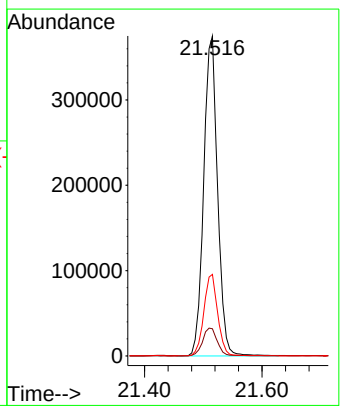


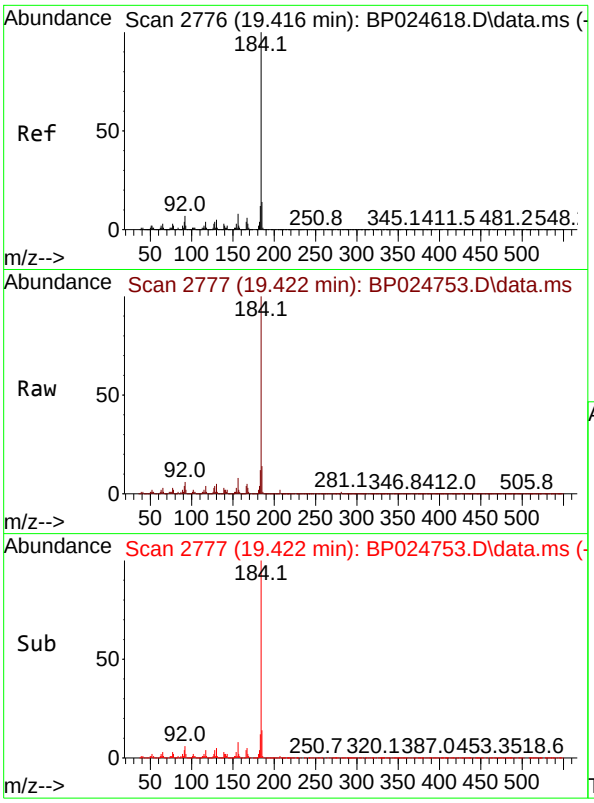


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.516 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:240 Resp: 613668

Ion	Ratio	Lower	Upper
240	100		
120	8.5	7.8	11.6
236	25.5	20.6	31.0



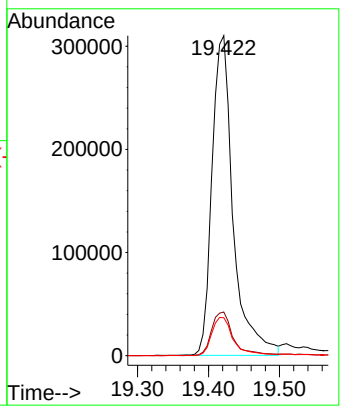


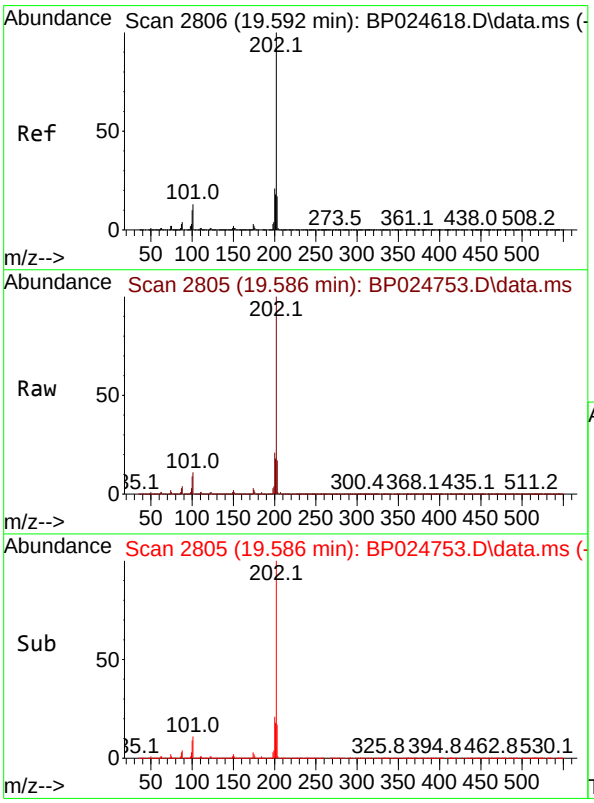
#77
Benzidine
Concen: 38.276 ng
RT: 19.422 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 639743

Ion	Ratio	Lower	Upper
184	100		
185	13.6	11.2	16.8
183	11.8	9.8	14.8

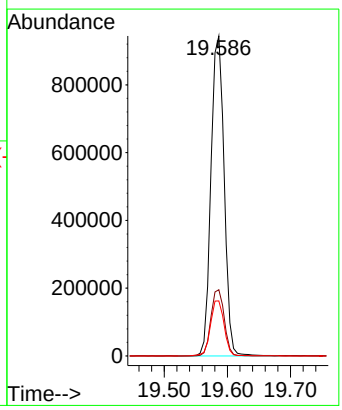


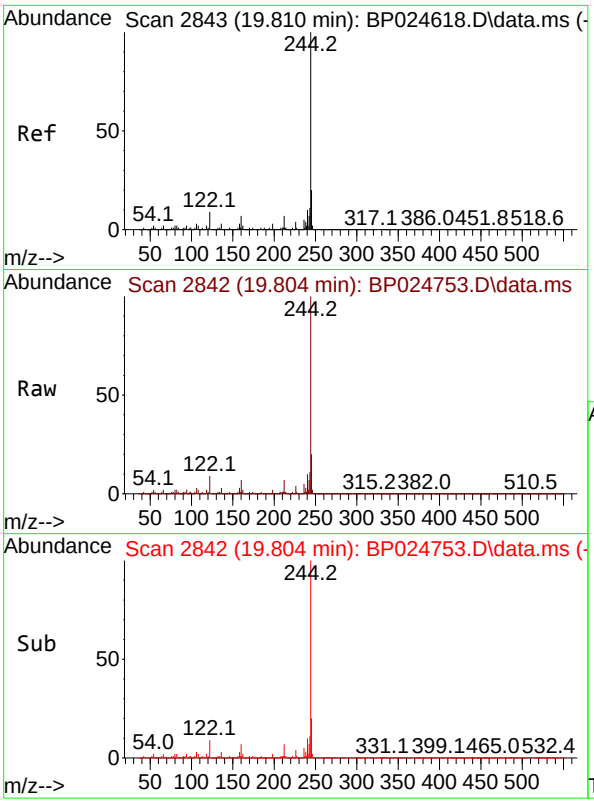


#78
Pyrene
Concen: 37.187 ng
RT: 19.586 min Scan# 2805
Delta R.T. -0.006 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:202 Resp: 1367365

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.9	25.3
203	17.2	13.9	20.9



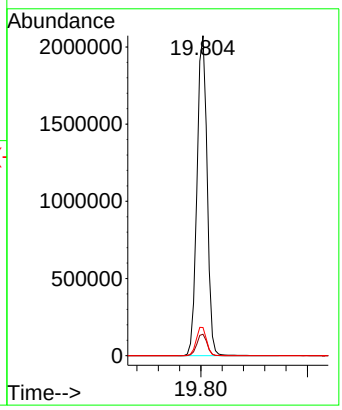


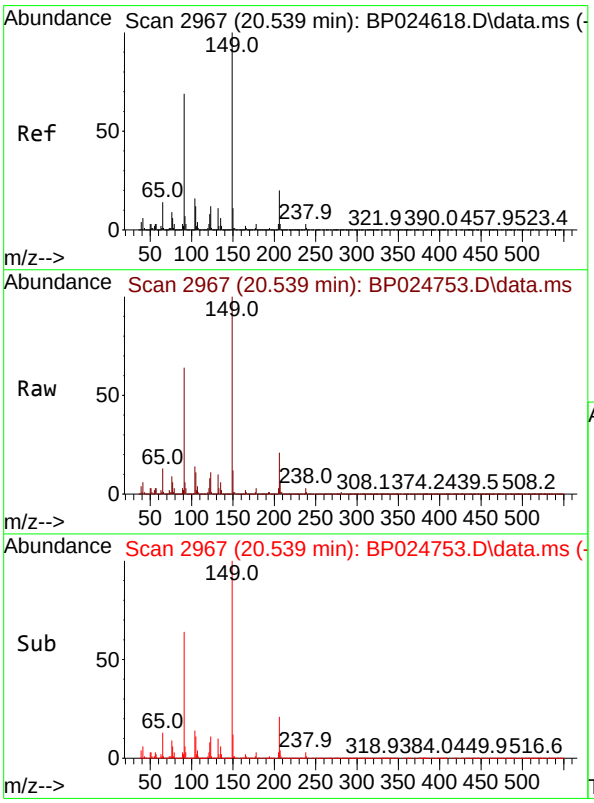
#79
Terphenyl-d14
Concen: 76.121 ng
RT: 19.804 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 2724263

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.5	8.3
122	8.8	7.4	11.0

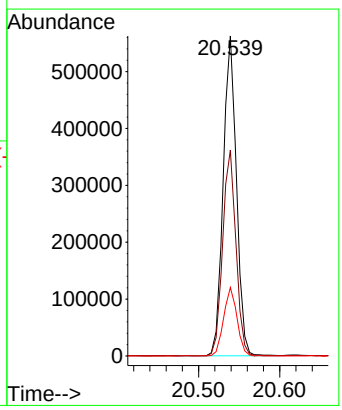


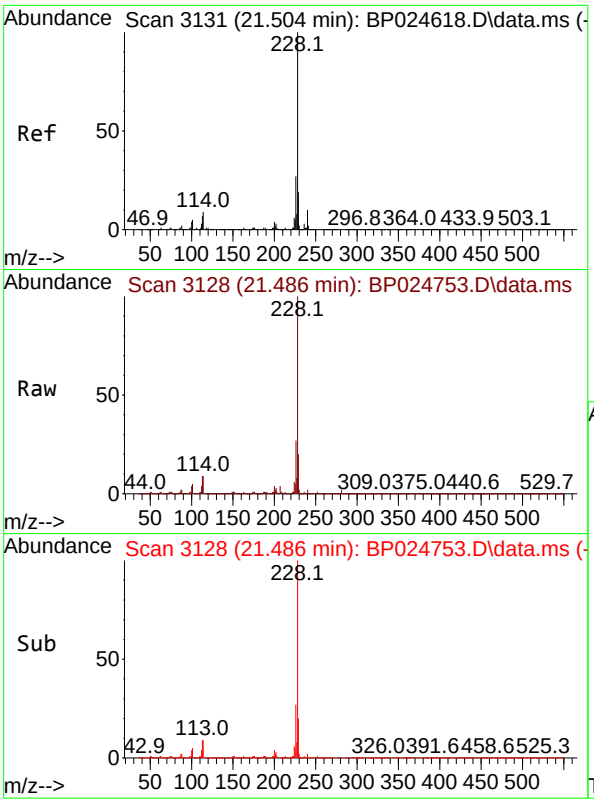


#80
Butylbenzylphthalate
Concen: 39.107 ng
RT: 20.539 min Scan# 2967
Delta R.T. 0.000 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:149 Resp: 639516

Ion	Ratio	Lower	Upper
149	100		
91	64.4	55.4	83.0
206	21.4	16.2	24.2



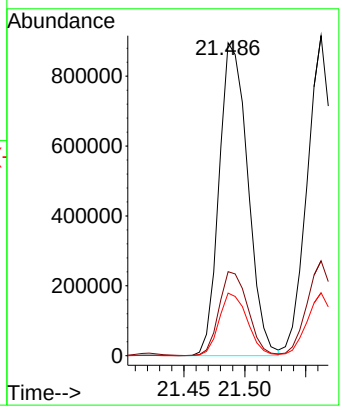


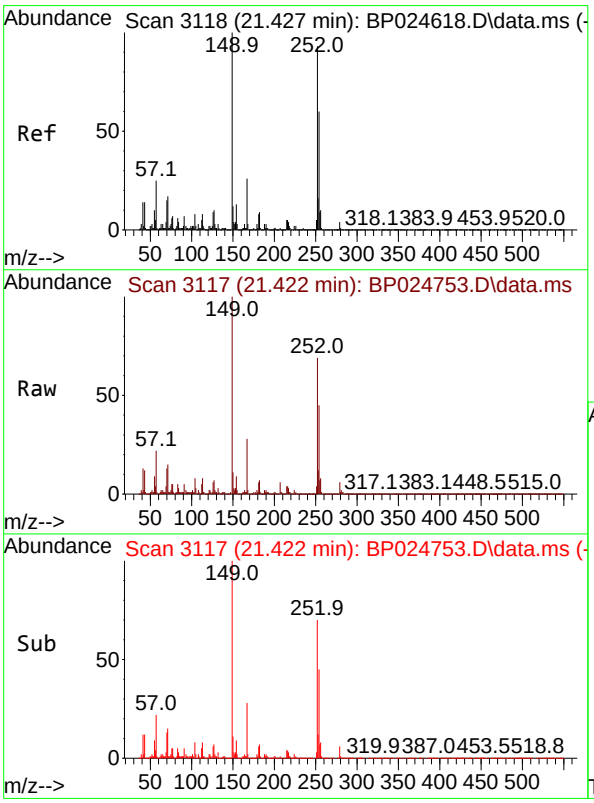
#81
Benzo(a)anthracene
Concen: 38.104 ng
RT: 21.486 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 1468260

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.4	32.0
229	20.0	15.5	23.3

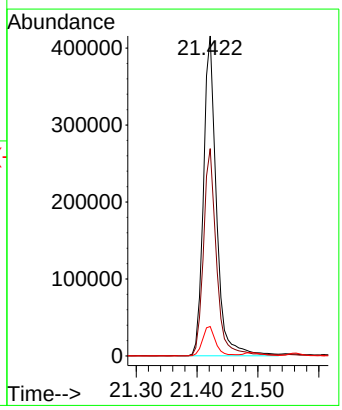


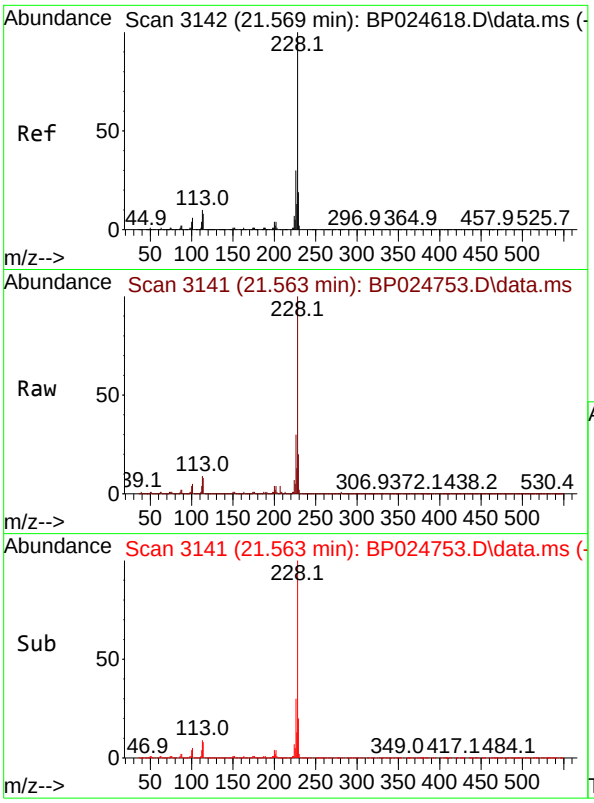


#82
3,3'-Dichlorobenzidine
Concen: 43.059 ng
RT: 21.422 min Scan# 3117
Delta R.T. -0.006 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:252 Resp: 616258

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.8	77.6
126	9.2	7.7	11.5



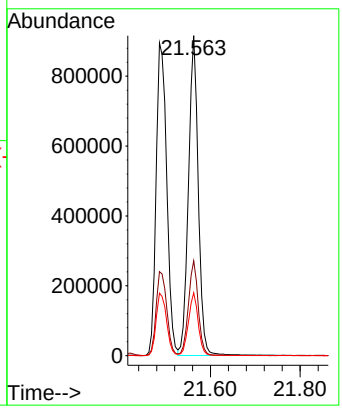


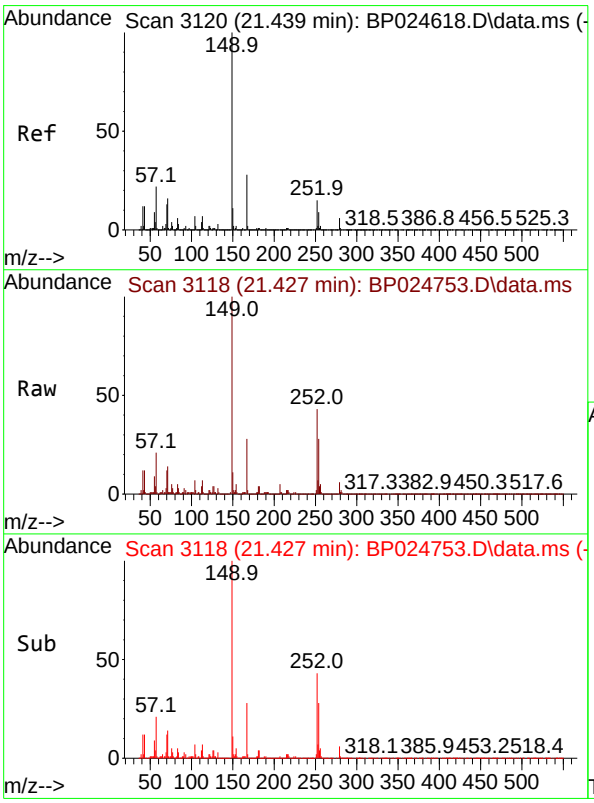
#83
Chrysene
Concen: 38.035 ng
RT: 21.563 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 1389328

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.9	35.9
229	19.6	15.5	23.3

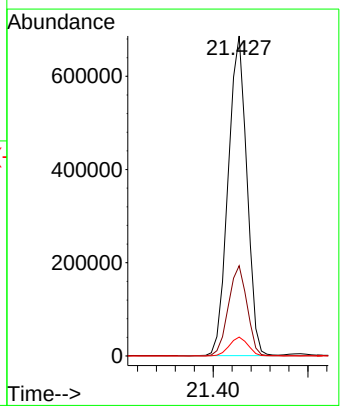


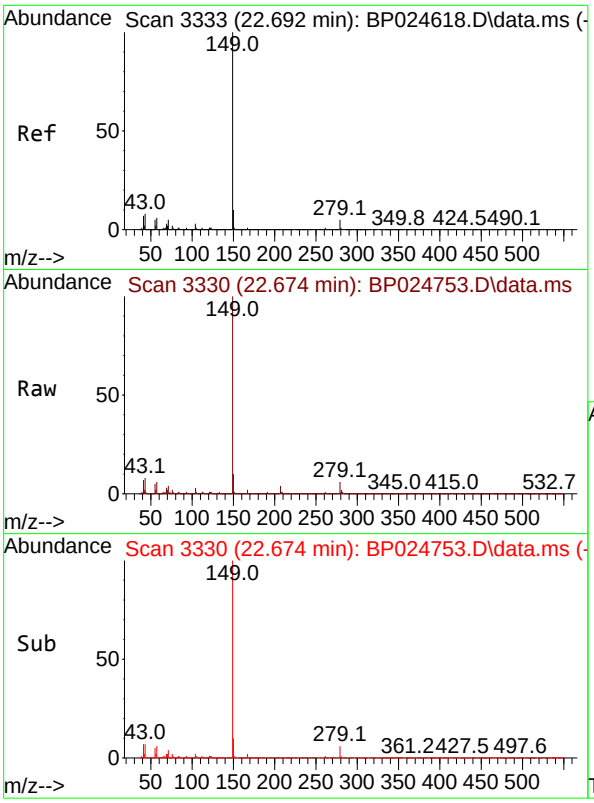


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.235 ng
RT: 21.427 min Scan# 3118
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:149 Resp: 943050

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.1	33.1
279	5.9	4.6	6.8



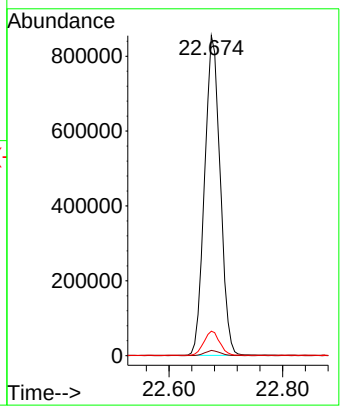


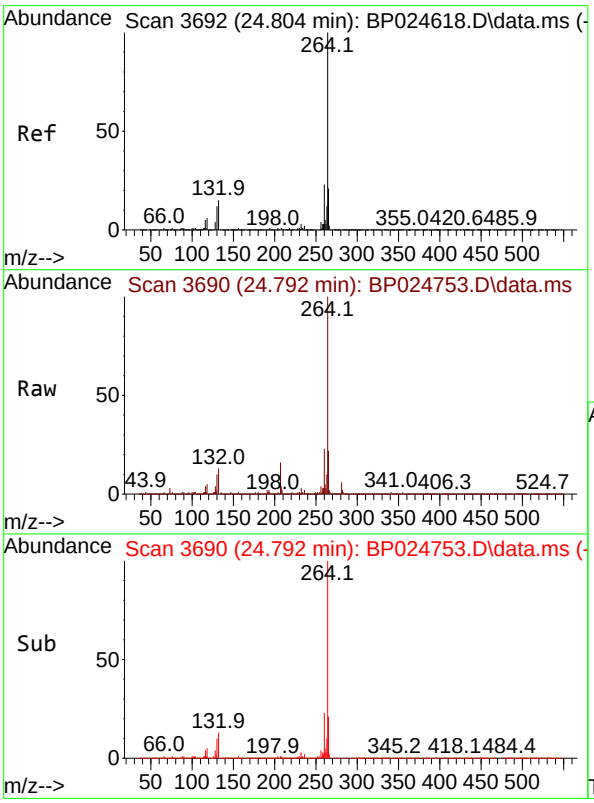
#85
Di-n-octyl phthalate
Concen: 41.340 ng
RT: 22.674 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 1624884

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.6	6.3	9.5

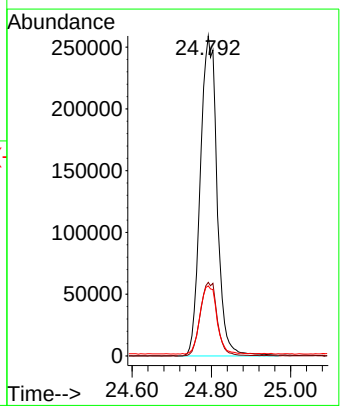


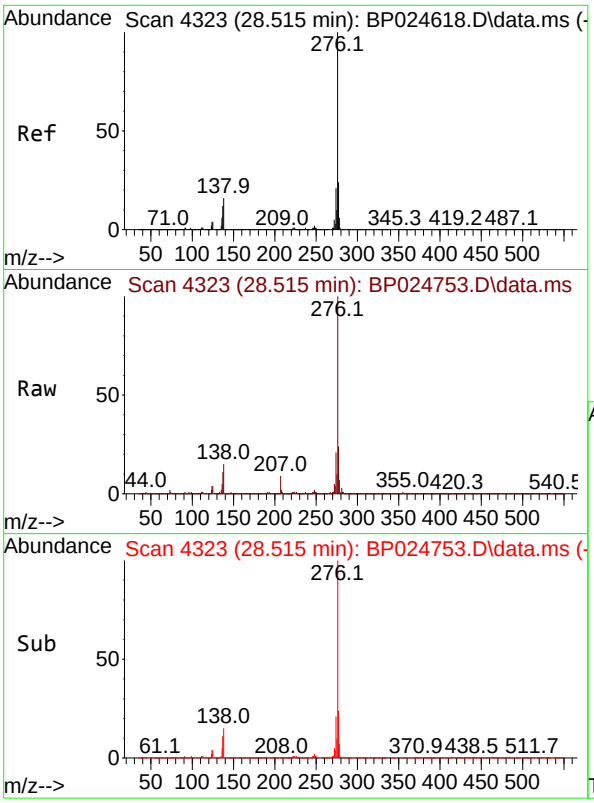


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.792 min Scan# 3690
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:264 Resp: 759397

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	21.9	17.0	25.6



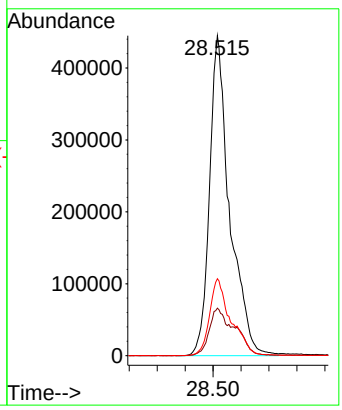


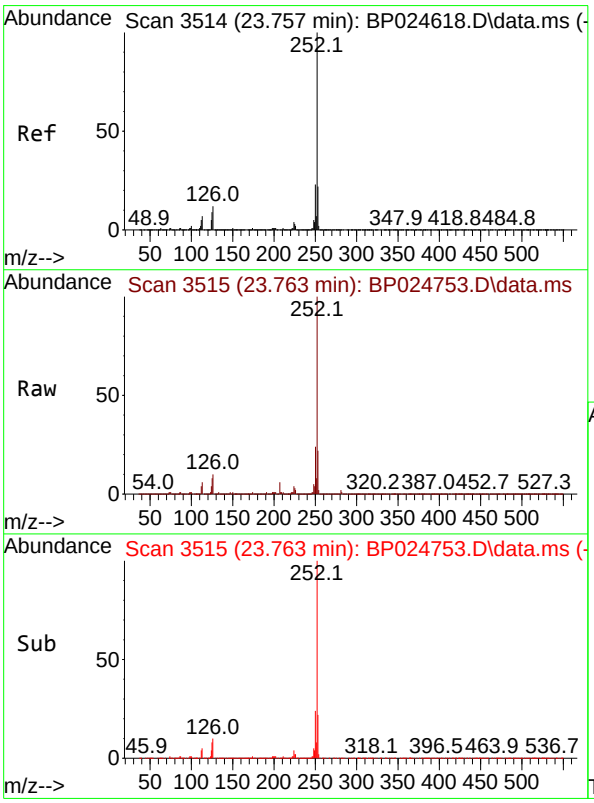
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.189 ng
RT: 28.515 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 2228069

Ion	Ratio	Lower	Upper
276	100		
138	18.8	11.2	16.8#
277	25.5	15.7	23.5#

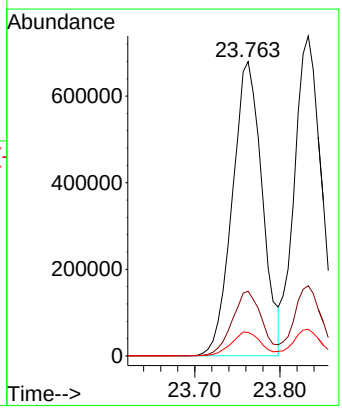


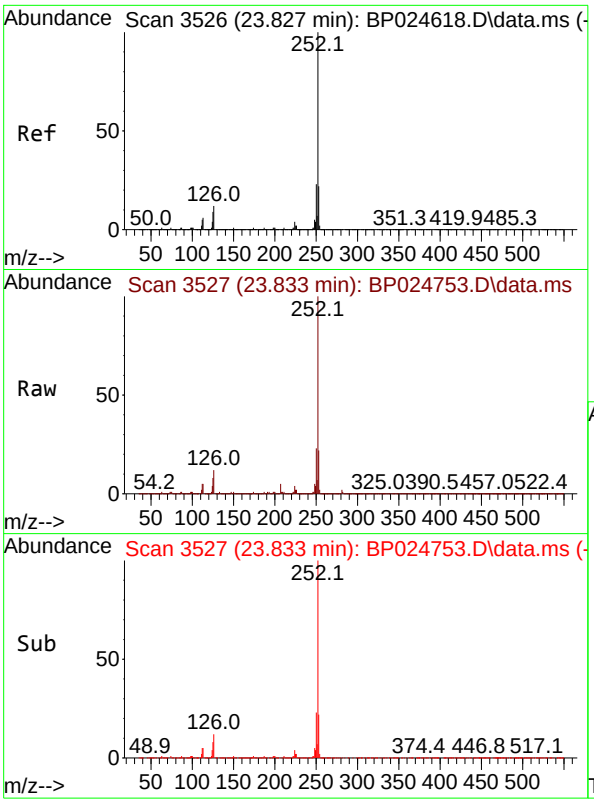


#88
Benzo(b)fluoranthene
Concen: 38.089 ng
RT: 23.763 min Scan# 3515
Delta R.T. 0.006 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:252 Resp: 1655614

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	8.0	7.5	11.3



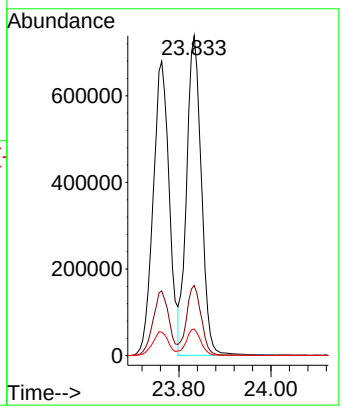


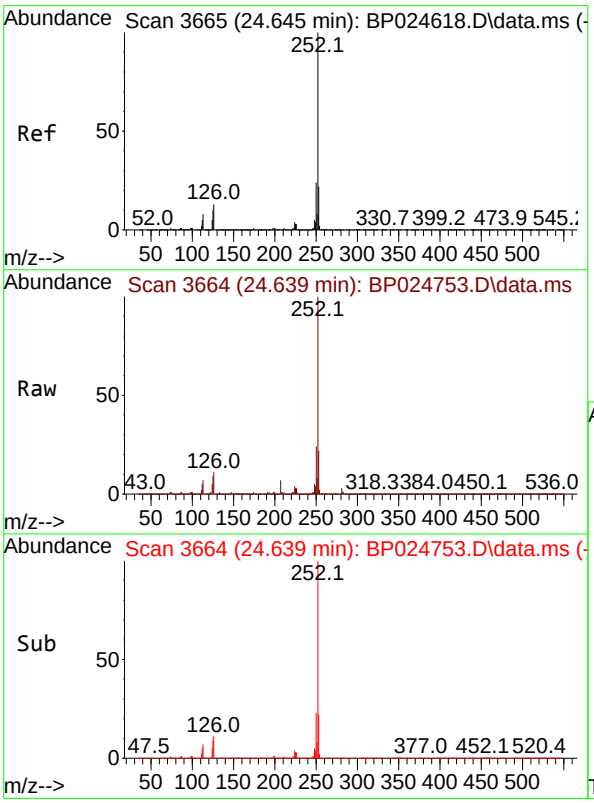
#89
Benzo(k)fluoranthene
Concen: 36.568 ng
RT: 23.833 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 1637849

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	8.4	7.0	10.4

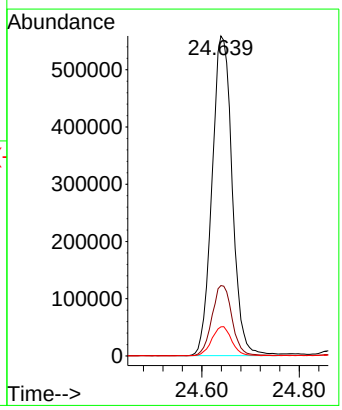


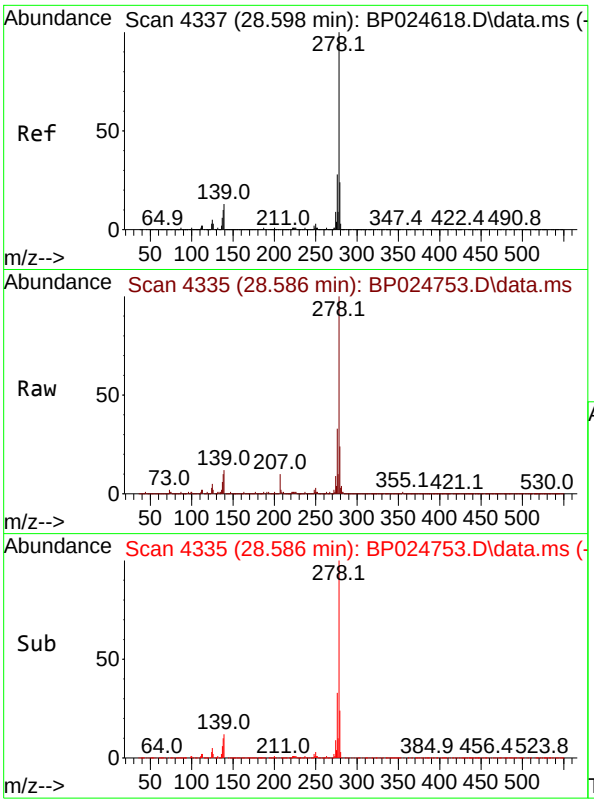


#90
Benzo(a)pyrene
Concen: 38.510 ng
RT: 24.639 min Scan# 3664
Delta R.T. -0.006 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:252 Resp: 1607644

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	9.1	8.1	12.1



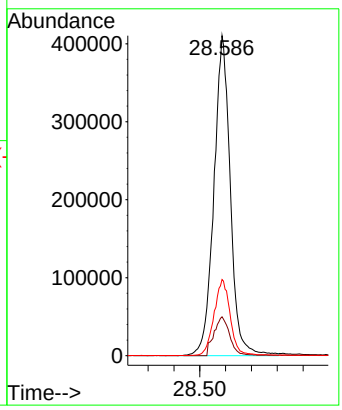


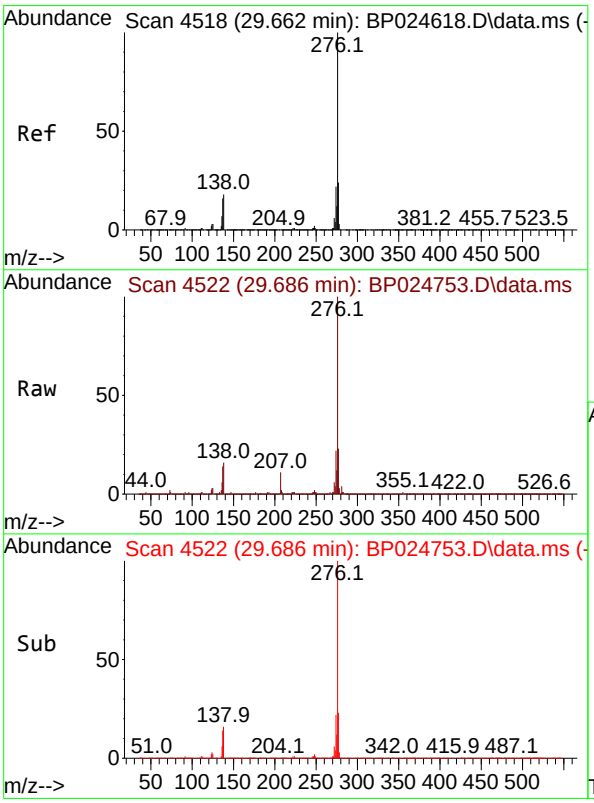
#91
Dibenzo(a,h)anthracene
Concen: 40.320 ng
RT: 28.586 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 1818555

Ion	Ratio	Lower	Upper
278	100		
139	12.2	10.2	15.4
279	23.8	19.0	28.4

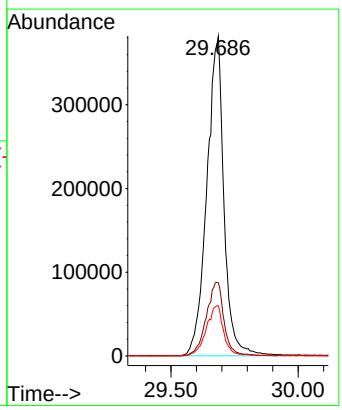




#92
Benzo(g,h,i)perylene
Concen: 39.791 ng
RT: 29.686 min Scan# 4522
Delta R.T. 0.024 min
Lab File: BP024753.D
Acq: 22 May 2025 10:56

Tgt Ion:276 Resp: 1784700

Ion	Ratio	Lower	Upper
276	100		
277	22.8	19.0	28.4
138	15.7	14.4	21.6



Sample Results: **BP024753.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024753.D
Acq On : 22 May 2025 10:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 22 11:19:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	86	-0.01
2		1,4-Dioxane	0.549	0.459	16.4	78	0.00
3		Pyridine	1.218	1.106	9.2	79	0.00
4		n-Nitrosodimethylamine	0.538	0.501	6.9	83	0.00
5	S	2-Fluorophenol	1.169	1.135	2.9	88	0.00
6		Aniline	1.927	1.787	7.3	80	-0.01
7	S	Phenol-d6	1.492	1.407	5.7	82	0.00
8		2-Chlorophenol	1.327	1.323	0.3	87	0.00
9		Benzaldehyde	0.966	0.866	10.4	78	-0.01
10	C	Phenol	1.540	1.471	4.5	84	0.00
11		bis(2-Chloroethyl)ether	1.266	1.107	12.6	78	-0.01
12		1,3-Dichlorobenzene	1.527	1.453	4.8	87	0.00
13	C	1,4-Dichlorobenzene	1.536	1.493	2.8	87	-0.01
14		1,2-Dichlorobenzene	1.497	1.415	5.5	85	-0.01
15		Benzyl Alcohol	1.134	1.092	3.7	82	0.00
16		2,2'-oxybis(1-Chloropropane	1.516	1.312	13.5	77	-0.01
17		2-Methylphenol	1.105	1.036	6.2	81	0.00
18		Hexachloroethane	0.589	0.540	8.3	84	-0.01
19	P	n-Nitroso-di-n-propylamine	1.032	0.896	13.2	73	0.00
20		3+4-Methylphenols	1.503	1.398	7.0	79	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	79	-0.01
22		Acetophenone	0.500	0.469	6.2	76	0.00
23	S	Nitrobenzene-d5	0.396	0.368	7.1	76	-0.01
24		Nitrobenzene	0.348	0.318	8.6	74	-0.01
25		Isophorone	0.687	0.607	11.6	71	-0.01
26	C	2-Nitrophenol	0.171	0.178	-4.1	81	-0.02
27		2,4-Dimethylphenol	0.301	0.290	3.7	76	-0.01
28		bis(2-Chloroethoxy)methane	0.410	0.359	12.4	71	-0.01
29	C	2,4-Dichlorophenol	0.292	0.288	1.4	78	0.00
30		1,2,4-Trichlorobenzene	0.329	0.324	1.5	83	-0.01
31		Naphthalene	1.036	0.988	4.6	79	-0.01
32		Benzoic acid	0.181	0.195	-7.7	80	0.00
33		4-Chloroaniline	0.418	0.411	1.7	77	0.00
34	C	Hexachlorobutadiene	0.213	0.212	0.5	84	-0.01
35		Caprolactam	0.106	0.100	5.7	72	0.00
36	C	4-Chloro-3-methylphenol	0.356	0.336	5.6	74	0.00
37		2-Methylnaphthalene	0.671	0.616	8.2	76	-0.01
38		1-Methylnaphthalene	0.718	0.639	11.0	73	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	71	-0.02
40		1,2,4,5-Tetrachlorobenzene	0.581	0.581	0.0	75	-0.01
41	P	Hexachlorocyclopentadiene	0.352	0.359	-2.0	72	-0.01
42	S	2,4,6-Tribromophenol	0.339	0.364	-7.4	81	-0.01
43	C	2,4,6-Trichlorophenol	0.376	0.385	-2.4	74	0.00
44		2,4,5-Trichlorophenol	0.419	0.412	1.7	73	0.00
45	S	2-Fluorobiphenyl	1.527	1.502	1.6	75	-0.01
46		1,1'-Biphenyl	1.478	1.437	2.8	74	-0.01
47		2-Chloronaphthalene	1.127	1.094	2.9	73	0.00

Sample Results: **BP024753.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024753.D
Acq On : 22 May 2025 10:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 22 11:19:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.334	0.312	6.6	67	-0.01
49		Acenaphthylene	1.886	1.818	3.6	72	-0.02
50		Dimethylphthalate	1.524	1.422	6.7	70	-0.01
51		2,6-Dinitrotoluene	0.322	0.308	4.3	71	-0.02
52	C	Acenaphthene	1.084	1.055	2.7	73	-0.02
53		3-Nitroaniline	0.329	0.327	0.6	69	-0.01
54	P	2,4-Dinitrophenol	0.169	0.178	-5.3	74	0.00
55		Dibenzofuran	1.730	1.664	3.8	73	-0.01
56	P	4-Nitrophenol	0.250	0.298	-19.2	83	0.02
57		2,4-Dinitrotoluene	0.454	0.458	-0.9	72	-0.02
58		Fluorene	1.410	1.365	3.2	73	-0.01
59		2,3,4,6-Tetrachlorophenol	0.388	0.382	1.5	72	-0.01
60		Diethylphthalate	1.541	1.446	6.2	72	-0.02
61		4-Chlorophenyl-phenylether	0.703	0.681	3.1	74	-0.02
62		4-Nitroaniline	0.317	0.336	-6.0	73	0.00
63		Azobenzene	1.318	1.179	10.5	67	-0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	72	-0.02
65		4,6-Dinitro-2-methylphenol	0.129	0.131	-1.6	73	-0.01
66	c	n-Nitrosodiphenylamine	0.614	0.595	3.1	72	-0.02
67		4-Bromophenyl-phenylether	0.236	0.237	-0.4	75	-0.01
68		Hexachlorobenzene	0.299	0.301	-0.7	77	0.00
69		Atrazine	0.225	0.226	-0.4	75	-0.02
70	C	Pentachlorophenol	0.168	0.183	-8.9	77	0.00
71		Phenanthrene	1.112	1.056	5.0	72	-0.01
72		Anthracene	1.119	1.093	2.3	73	-0.01
73		Carbazole	1.012	1.003	0.9	72	-0.01
74		Di-n-butylphthalate	1.302	1.275	2.1	73	-0.01
75	C	Fluoranthene	1.300	1.270	2.3	73	-0.01
76	I	Chrysene-d12	1.000	1.000	0.0	76	0.00
77		Benzidine	0.545	0.521	4.4	71	0.00
78		Pyrene	1.198	1.114	7.0	73	0.00
79	S	Terphenyl-d14	1.166	1.110	4.8	75	0.00
80		Butylbenzylphthalate	0.533	0.521	2.3	75	0.00
81		Benzo(a)anthracene	1.256	1.196	4.8	75	-0.02
82		3,3'-Dichlorobenzidine	0.466	0.502	-7.7	80	0.00
83		Chrysene	1.190	1.132	4.9	76	0.00
84		Bis(2-ethylhexyl)phthalate	0.783	0.768	1.9	76	-0.01
85	c	Di-n-octyl phthalate	1.281	1.324	-3.4	78	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	82	-0.01
87		Indeno(1,2,3-cd)pyrene	1.460	1.467	-0.5	84	0.00
88		Benzo(b)fluoranthene	1.145	1.090	4.8	81	0.00
89		Benzo(k)fluoranthene	1.180	1.078	8.6	77	0.00
90	C	Benzo(a)pyrene	1.099	1.059	3.6	81	0.00
91		Dibenzo(a,h)anthracene	1.188	1.197	-0.8	84	-0.01
92		Benzo(g,h,i)perylene	1.181	1.175	0.5	84	0.02

Sample Results: **BP024753.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024753.D
Acq On : 22 May 2025 10:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 22 11:19:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BP024753.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024753.D
Acq On : 22 May 2025 10:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 22 11:19:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	86	-0.01
2		1,4-Dioxane	40.000	33.474	16.3	78	0.00
3		Pyridine	40.000	36.327	9.2	79	0.00
4		n-Nitrosodimethylamine	40.000	37.278	6.8	83	0.00
5	S	2-Fluorophenol	80.000	77.648	2.9	88	0.00
6		Aniline	40.000	37.090	7.3	80	-0.01
7	S	Phenol-d6	80.000	75.441	5.7	82	0.00
8		2-Chlorophenol	40.000	39.853	0.4	87	0.00
9		Benzaldehyde	40.000	35.852	10.4	78	-0.01
10	C	Phenol	40.000	38.210	4.5	84	0.00
11		bis(2-Chloroethyl)ether	40.000	34.972	12.6	78	-0.01
12		1,3-Dichlorobenzene	40.000	38.064	4.8	87	0.00
13	C	1,4-Dichlorobenzene	40.000	38.872	2.8	87	-0.01
14		1,2-Dichlorobenzene	40.000	37.809	5.5	85	-0.01
15		Benzyl Alcohol	40.000	38.523	3.7	82	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	34.627	13.4	77	-0.01
17		2-Methylphenol	40.000	37.493	6.3	81	0.00
18		Hexachloroethane	40.000	36.686	8.3	84	-0.01
19	P	n-Nitroso-di-n-propylamine	40.000	34.709	13.2	73	0.00
20		3+4-Methylphenols	40.000	37.221	6.9	79	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	79	-0.01
22		Acetophenone	40.000	37.559	6.1	76	0.00
23	S	Nitrobenzene-d5	80.000	74.407	7.0	76	-0.01
24		Nitrobenzene	40.000	36.463	8.8	74	-0.01
25		Isophorone	40.000	35.361	11.6	71	-0.01
26	C	2-Nitrophenol	40.000	41.704	-4.3	81	-0.02
27		2,4-Dimethylphenol	40.000	38.480	3.8	76	-0.01
28		bis(2-Chloroethoxy)methane	40.000	35.006	12.5	71	-0.01
29	C	2,4-Dichlorophenol	40.000	39.525	1.2	78	0.00
30		1,2,4-Trichlorobenzene	40.000	39.402	1.5	83	-0.01
31		Naphthalene	40.000	38.135	4.7	79	-0.01
32		Benzoic acid	40.000	38.852	2.9	80	0.00
33		4-Chloroaniline	40.000	39.283	1.8	77	0.00
34	C	Hexachlorobutadiene	40.000	39.848	0.4	84	-0.01
35		Caprolactam	40.000	37.940	5.2	72	0.00
36	C	4-Chloro-3-methylphenol	40.000	37.828	5.4	74	0.00
37		2-Methylnaphthalene	40.000	36.728	8.2	76	-0.01
38		1-Methylnaphthalene	40.000	35.575	11.1	73	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	71	-0.02
40		1,2,4,5-Tetrachlorobenzene	40.000	39.982	0.0	75	-0.01
41	P	Hexachlorocyclopentadiene	40.000	40.752	-1.9	72	-0.01
42	S	2,4,6-Tribromophenol	80.000	85.966	-7.5	81	-0.01
43	C	2,4,6-Trichlorophenol	40.000	40.962	-2.4	74	0.00
44		2,4,5-Trichlorophenol	40.000	39.385	1.5	73	0.00
45	S	2-Fluorobiphenyl	80.000	78.711	1.6	75	-0.01
46		1,1'-Biphenyl	40.000	38.890	2.8	74	-0.01
47		2-Chloronaphthalene	40.000	38.831	2.9	73	0.00

Sample Results: **BP024753.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024753.D
Acq On : 22 May 2025 10:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 22 11:19:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	37.387	6.5	67	-0.01
49		Acenaphthylene	40.000	38.561	3.6	72	-0.02
50		Dimethylphthalate	40.000	37.315	6.7	70	-0.01
51		2,6-Dinitrotoluene	40.000	38.326	4.2	71	-0.02
52	C	Acenaphthene	40.000	38.899	2.8	73	-0.02
53		3-Nitroaniline	40.000	39.839	0.4	69	-0.01
54	P	2,4-Dinitrophenol	40.000	38.598	3.5	74	0.00
55		Dibenzofuran	40.000	38.494	3.8	73	-0.01
56	P	4-Nitrophenol	40.000	43.899	-9.7	83	0.02
57		2,4-Dinitrotoluene	40.000	40.393	-1.0	72	-0.02
58		Fluorene	40.000	38.724	3.2	73	-0.01
59		2,3,4,6-Tetrachlorophenol	40.000	39.304	1.7	72	-0.01
60		Diethylphthalate	40.000	37.552	6.1	72	-0.02
61		4-Chlorophenyl-phenylether	40.000	38.753	3.1	74	-0.02
62		4-Nitroaniline	40.000	42.328	-5.8	73	0.00
63		Azobenzene	40.000	35.788	10.5	67	-0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	72	-0.02
65		4,6-Dinitro-2-methylphenol	40.000	40.689	-1.7	73	-0.01
66	c	n-Nitrosodiphenylamine	40.000	38.716	3.2	72	-0.02
67		4-Bromophenyl-phenylether	40.000	40.197	-0.5	75	-0.01
68		Hexachlorobenzene	40.000	40.264	-0.7	77	0.00
69		Atrazine	40.000	40.157	-0.4	75	-0.02
70	C	Pentachlorophenol	40.000	43.610	-9.0	77	0.00
71		Phenanthrene	40.000	37.997	5.0	72	-0.01
72		Anthracene	40.000	39.094	2.3	73	-0.01
73		Carbazole	40.000	39.626	0.9	72	-0.01
74		Di-n-butylphthalate	40.000	39.153	2.1	73	-0.01
75	C	Fluoranthene	40.000	39.094	2.3	73	-0.01
76	I	Chrysene-d12	20.000	20.000	0.0	76	0.00
77		Benzidine	40.000	38.276	4.3	71	0.00
78		Pyrene	40.000	37.187	7.0	73	0.00
79	S	Terphenyl-d14	80.000	76.121	4.8	75	0.00
80		Butylbenzylphthalate	40.000	39.107	2.2	75	0.00
81		Benzo(a)anthracene	40.000	38.104	4.7	75	-0.02
82		3,3'-Dichlorobenzidine	40.000	43.059	-7.6	80	0.00
83		Chrysene	40.000	38.035	4.9	76	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	39.235	1.9	76	-0.01
85	c	Di-n-octyl phthalate	40.000	41.340	-3.4	78	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	82	-0.01
87		Indeno(1,2,3-cd)pyrene	40.000	40.189	-0.5	84	0.00
88		Benzo(b)fluoranthene	40.000	38.089	4.8	81	0.00
89		Benzo(k)fluoranthene	40.000	36.568	8.6	77	0.00
90	C	Benzo(a)pyrene	40.000	38.510	3.7	81	0.00
91		Dibenzo(a,h)anthracene	40.000	40.320	-0.8	84	-0.01
92		Benzo(g,h,i)perylene	40.000	39.791	0.5	84	0.02

Sample Results: **BP024753.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024753.D
Acq On : 22 May 2025 10:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 22 11:19:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2073 SAS No.: Q2073 SDG No.: Q2073

Instrument ID: BNA_P Calibration Date/Time: 05/23/2025 11:40

Lab File ID: BP024788.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:41 15:26

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.169	1.153		-1.4	
Benzaldehyde	0.966	0.824		-14.7	
Phenol-d6	1.492	1.391		-6.8	
Phenol	1.540	1.406		-8.7	20.0
bis(2-Chloroethyl)ether	1.266	1.041		-17.8	
2-Chlorophenol	1.327	1.285		-3.2	
2-Methylphenol	1.105	1.020		-7.7	
2,2-oxybis(1-Chloropropane)	1.516	1.205		-20.5	
Acetophenone	0.500	0.471		-5.8	
3+4-Methylphenols	1.503	1.386		-7.8	
n-Nitroso-di-n-propylamine	1.032	0.869	0.050	-15.8	
Nitrobenzene-d5	0.396	0.363		-8.3	
Hexachloroethane	0.589	0.524		-11.0	
Nitrobenzene	0.348	0.310		-10.9	
Isophorone	0.687	0.597		-13.1	
2-Nitrophenol	0.171	0.181		5.8	20.0
2,4-Dimethylphenol	0.301	0.294		-2.3	
bis(2-Chloroethoxy)methane	0.410	0.346		-15.6	
2,4-Dichlorophenol	0.292	0.295		1.0	20.0
Naphthalene	1.036	1.000		-3.5	
4-Chloroaniline	0.418	0.412		-1.4	
Hexachlorobutadiene	0.213	0.212		-0.5	20.0
Caprolactam	0.106	0.104		-1.9	
4-Chloro-3-methylphenol	0.356	0.335		-5.9	20.0
2-Methylnaphthalene	0.671	0.635		-5.4	
Hexachlorocyclopentadiene	0.352	0.461	0.050	31.0	
2,4,6-Trichlorophenol	0.376	0.389		3.5	20.0
2-Fluorobiphenyl	1.527	1.497		-2.0	
2,4,5-Trichlorophenol	0.419	0.410		-2.1	
1,1-Biphenyl	1.478	1.419		-4.0	
2-Chloronaphthalene	1.127	1.115		-1.1	
2-Nitroaniline	0.334	0.309		-7.5	
Dimethylphthalate	1.524	1.471		-3.5	
Acenaphthylene	1.886	1.849		-2.0	
2,6-Dinitrotoluene	0.322	0.319		-0.9	
3-Nitroaniline	0.329	0.324		-1.5	
Acenaphthene	1.084	1.026		-5.4	20.0
2,4-Dinitrophenol	0.169	0.167	0.050	-1.2	
4-Nitrophenol	0.250	0.319	0.050	27.6	

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2073 SAS No.: Q2073 SDG No.: Q2073

Instrument ID: BNA_P Calibration Date/Time: 05/23/2025 11:40

Lab File ID: BP024788.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:41 15:26

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.730	1.667		-3.6	
2,4-Dinitrotoluene	0.454	0.463		2.0	
Diethylphthalate	1.541	1.463		-5.1	
4-Chlorophenyl-phenylether	0.703	0.684		-2.7	
Fluorene	1.410	1.371		-2.8	
4-Nitroaniline	0.317	0.348		9.8	
4,6-Dinitro-2-methylphenol	0.129	0.130		0.8	
n-Nitrosodiphenylamine	0.614	0.580		-5.5	20.0
2,4,6-Tribromophenol	0.339	0.384		13.3	
4-Bromophenyl-phenylether	0.236	0.232		-1.7	
Hexachlorobenzene	0.299	0.309		3.3	
Atrazine	0.225	0.229		1.8	
Pentachlorophenol	0.168	0.188		11.9	20.0
Phenanthrene	1.112	1.068		-4.0	
Anthracene	1.119	1.082		-3.3	
Carbazole	1.012	1.026		1.4	
Di-n-butylphthalate	1.302	1.292		-0.8	
Fluoranthene	1.300	1.314		1.1	20.0
Pyrene	1.198	1.053		-12.1	
Terphenyl-d14	1.166	1.077		-7.6	
Butylbenzylphthalate	0.533	0.498		-6.6	
3,3-Dichlorobenzidine	0.466	0.498		6.9	
Benzo(a)anthracene	1.256	1.206		-4.0	
Chrysene	1.190	1.135		-4.6	
Bis(2-ethylhexyl)phthalate	0.783	0.773		-1.3	
Di-n-octyl phthalate	1.281	1.352		5.5	20.0
Benzo(b)fluoranthene	1.145	1.078		-5.9	
Benzo(k)fluoranthene	1.180	1.106		-6.3	
Benzo(a)pyrene	1.099	1.062		-3.4	20.0
Indeno(1,2,3-cd)pyrene	1.460	1.481		1.4	
Dibenzo(a,h)anthracene	1.188	1.213		2.1	
Benzo(g,h,i)perylene	1.181	1.186		0.4	
1,2,4,5-Tetrachlorobenzene	0.581	0.582		0.2	
1,4-Dioxane	0.549	0.475		-13.5	20.0
2,3,4,6-Tetrachlorophenol	0.388	0.396		2.1	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024788.D
Acq On : 23 May 2025 11:40
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 23 12:14:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

05/27/2025
Supervised By :Jagrut Upadhyay

05/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.646	152	85825	20.000	ng	-0.02
21) Naphthalene-d8	10.416	136	348651	20.000	ng	-0.02
39) Acenaphthene-d10	14.281	164	223501	20.000	ng	-0.02
64) Phenanthrene-d10	17.086	188	457187	20.000	ng	-0.01
76) Chrysene-d12	21.510	240	596427	20.000	ng	-0.01
86) Perylene-d12	24.786	264	763679	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.281	112	395751	78.867	ng	0.00
7) Phenol-d6	6.852	99	477585	74.573	ng	0.00
23) Nitrobenzene-d5	8.799	82	506139	73.350	ng	-0.01
42) 2,4,6-Tribromophenol	15.810	330	343067	90.543	ng	0.00
45) 2-Fluorobiphenyl	12.893	172	1337901	78.425	ng	-0.01
79) Terphenyl-d14	19.804	244	2570522	73.901	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.222	88	81566	34.617	ng	97
3) Pyridine	3.617	79	187953	35.974	ng	94
4) n-Nitrosodimethylamine	3.528	42	88218	38.246	ng	90
6) Aniline	6.993	93	299626	36.237	ng	99
8) 2-Chlorophenol	7.228	128	220576	38.722	ng	97
9) Benzaldehyde	6.811	77	141499m	34.132	ng	
10) Phenol	6.875	94	241311	36.507	ng	96
11) bis(2-Chloroethyl)ether	7.081	93	178602	32.883	ng	99
12) 1,3-Dichlorobenzene	7.540	146	246348	37.589	ng	97
13) 1,4-Dichlorobenzene	7.687	146	249931	37.917	ng	99
14) 1,2-Dichlorobenzene	7.993	146	240438	37.434	ng	99
15) Benzyl Alcohol	7.893	79	175852	36.134	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.169	45	206873	31.804	ng	99
17) 2-Methylphenol	8.105	107	175051	36.924	ng	97
18) Hexachloroethane	8.710	117	89993	35.628	ng	96
19) n-Nitroso-di-n-propyla...	8.446	70	149197	33.678	ng	96
20) 3+4-Methylphenols	8.434	107	237941	36.896	ng	99
22) Acetophenone	8.463	105	328325	37.699	ng	97
24) Nitrobenzene	8.840	77	215844	35.545	ng	93
25) Isophorone	9.363	82	416173	34.769	ng	95
26) 2-Nitrophenol	9.540	139	126118	42.384	ng	98
27) 2,4-Dimethylphenol	9.616	122	205205	39.115	ng	99
28) bis(2-Chloroethoxy)met...	9.834	93	240940	33.693	ng	98
29) 2,4-Dichlorophenol	10.093	162	205962	40.513	ng	96
30) 1,2,4-Trichlorobenzene	10.281	180	227074	39.636	ng	96
31) Naphthalene	10.463	128	697623	38.612	ng	100
32) Benzoic acid	9.769	122	122811m	35.863	ng	
33) 4-Chloroaniline	10.587	127	287598	39.447	ng	98
34) Hexachlorobutadiene	10.746	225	147624	39.777	ng	97
35) Caprolactam	11.381	113	72504	39.418	ng	96
36) 4-Chloro-3-methylphenol	11.734	107	233494	37.662	ng	100
37) 2-Methylnaphthalene	12.081	142	442732	37.844	ng	99
38) 1-Methylnaphthalene	12.304	142	471817	37.693	ng	99
40) 1,2,4,5-Tetrachloroben...	12.451	216	260194	40.090	ng	98
41) Hexachlorocyclopentadiene	12.428	237	206151	52.383	ng	97
43) 2,4,6-Trichlorophenol	12.704	196	173668	41.312	ng	98

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Data File : BP024788.D
Acq On : 23 May 2025 11:40
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 23 12:14:53 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

05/27/2025
Supervised By :Jagrut Upadhyay

05/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.798	196	183134	39.137	ng	97
46) 1,1'-Biphenyl	13.093	154	634461	38.408	ng	99
47) 2-Chloronaphthalene	13.145	162	498522	39.580	ng	99
48) 2-Nitroaniline	13.357	65	138094	37.032	ng	94
49) Acenaphthylene	13.998	152	826636	39.218	ng	99
50) Dimethylphthalate	13.734	163	657364	38.588	ng	100
51) 2,6-Dinitrotoluene	13.863	165	142722	39.670	ng	98
52) Acenaphthene	14.345	154	458801	37.863	ng	99
53) 3-Nitroaniline	14.210	138	144972	39.463	ng	92
54) 2,4-Dinitrophenol	14.428	184	74679	36.684	ng	97
55) Dibenzofuran	14.687	168	745308	38.561	ng	99
56) 4-Nitrophenol	14.575	139	142487	46.665	ng	97
57) 2,4-Dinitrotoluene	14.669	165	206895	40.790	ng	98
58) Fluorene	15.351	166	612974	38.894	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.934	232	176811	40.732	ng	96
60) Diethylphthalate	15.128	149	654121	37.991	ng	99
61) 4-Chlorophenyl-phenyle...	15.339	204	305689	38.894	ng	100
62) 4-Nitroaniline	15.392	138	155534m	43.848	ng	
63) Azobenzene	15.639	77	507580	34.460	ng	95
65) 4,6-Dinitro-2-methylph...	15.457	198	118718	40.201	ng	98
66) n-Nitrosodiphenylamine	15.569	169	530766	37.796	ng	99
67) 4-Bromophenyl-phenylether	16.257	248	212590	39.462	ng	96
68) Hexachlorobenzene	16.381	284	282500	41.268	ng	92
69) Atrazine	16.551	200	209568	40.722	ng	98
70) Pentachlorophenol	16.745	266	171807	44.710	ng	100
71) Phenanthrene	17.128	178	976579	38.424	ng	100
72) Anthracene	17.222	178	988928	38.674	ng	100
73) Carbazole	17.510	167	938383	40.545	ng	99
74) Di-n-butylphthalate	18.092	149	1181544	39.695	ng	99
75) Fluoranthene	19.210	202	1201350	40.437	ng	98
77) Benzidine	19.416	184	622255	38.306	ng	99
78) Pyrene	19.586	202	1256486	35.160	ng	100
80) Butylbenzylphthalate	20.533	149	594274	37.391	ng	94
81) Benzo(a)anthracene	21.486	228	1438419	38.409	ng	100
82) 3,3'-Dichlorobenzidine	21.422	252	593871	42.694	ng	99
83) Chrysene	21.557	228	1353357	38.121	ng	100
84) Bis(2-ethylhexyl)phtha...	21.422	149	921536	39.448	ng	98
85) Di-n-octyl phthalate	22.668	149	1612900	42.221	ng	99
87) Indeno(1,2,3-cd)pyrene	28.498	276	2261485	40.563	ng	97
88) Benzo(b)fluoranthene	23.745	252	1646057	37.657	ng	98
89) Benzo(k)fluoranthene	23.815	252	1688631	37.490	ng	99
90) Benzo(a)pyrene	24.633	252	1622584	38.650	ng	98
91) Dibenzo(a,h)anthracene	28.568	278	1853117	40.856	ng	99
92) Benzo(g,h,i)perylene	29.650	276	1811699	40.166	ng	97

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

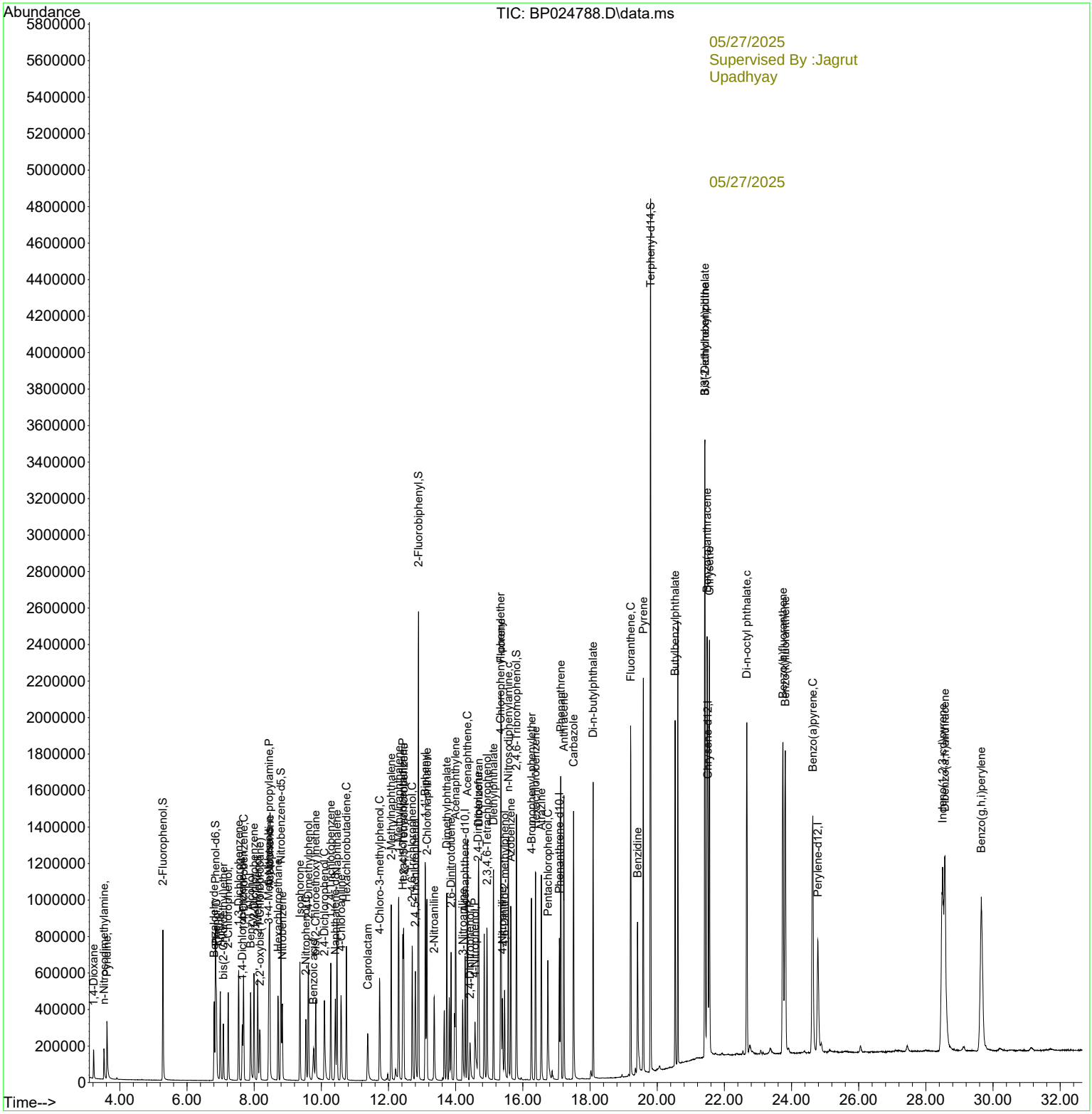
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Acq On : 23 May 2025 11:40
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

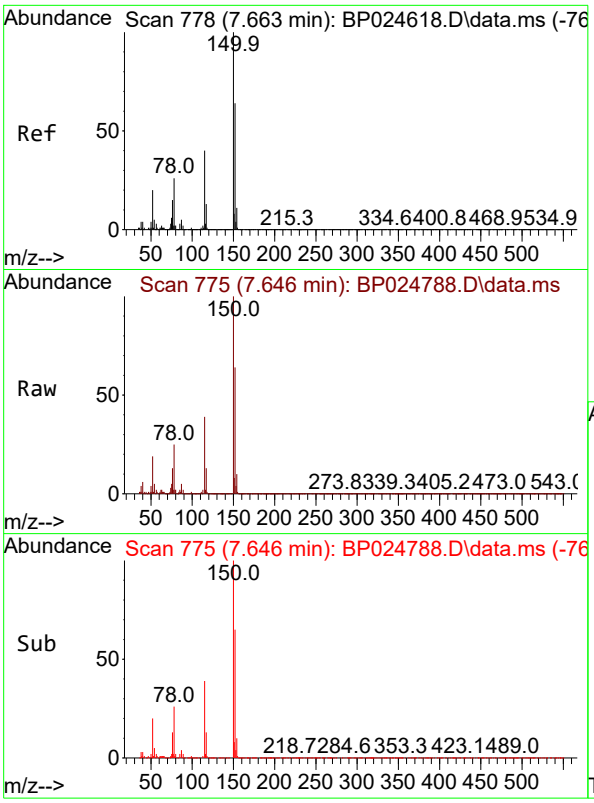
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QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

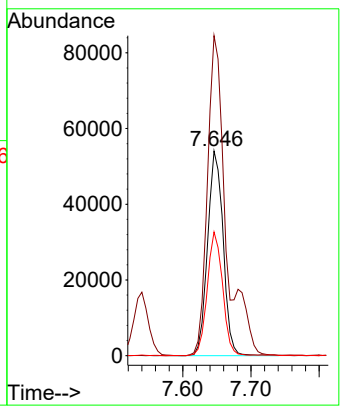




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.646 min Scan# 7
Delta R.T. -0.017 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:152 Resp: 8582

Ion	Ratio	Lower	Upper
152	100		
150	156.3	125.9	188.9
115	60.5	50.1	75.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

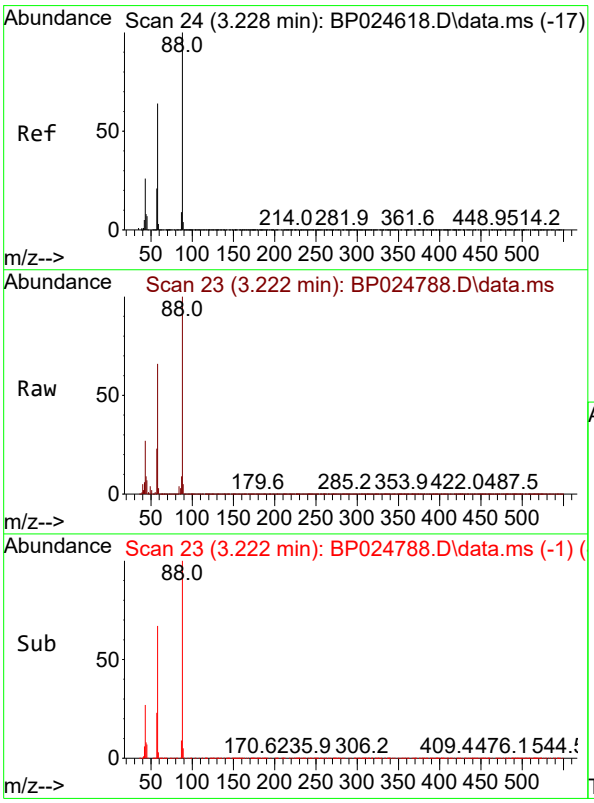
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Reviewed By :Rahul Chavli

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Supervised By :Jagrut Upadhyay

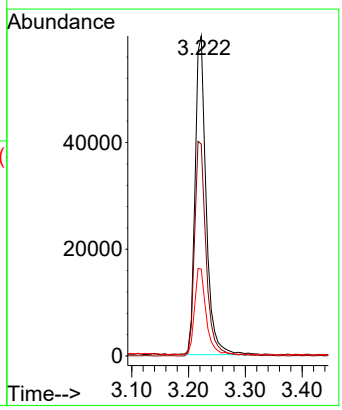
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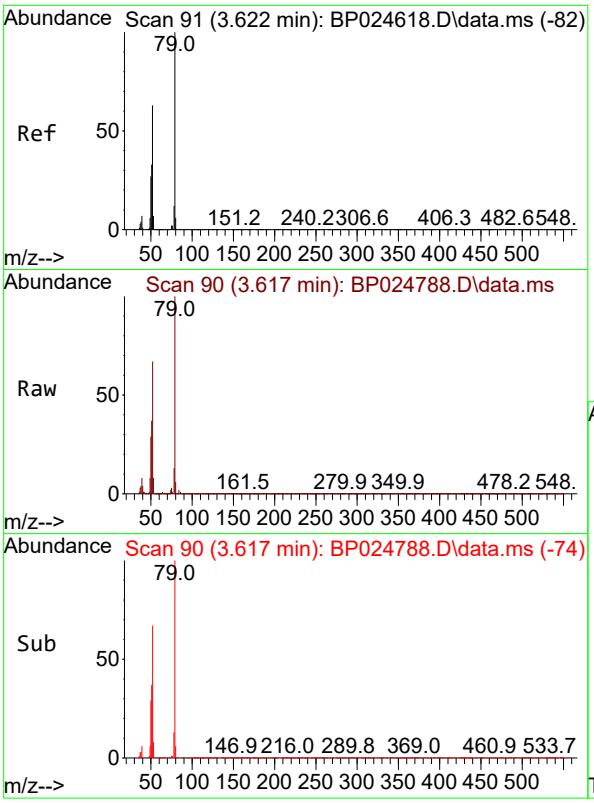


#2
1,4-Dioxane
Concen: 34.617 ng
RT: 3.222 min Scan# 23
Delta R.T. -0.006 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion: 88 Resp: 81566

Ion	Ratio	Lower	Upper
88	100		
58	69.8	54.0	81.0
43	28.3	21.4	32.0

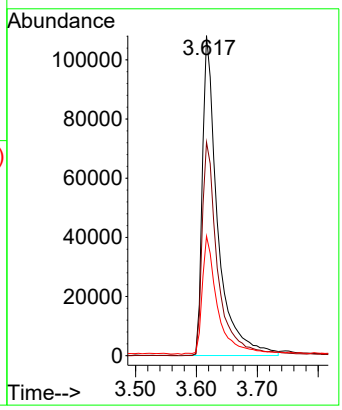




#3
Pyridine
Concen: 35.974 ng
RT: 3.617 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion: 79 Resp: 18795

Ion	Ratio	Lower	Upper
79	100		
52	66.7	50.2	75.2
51	37.3	26.8	40.2



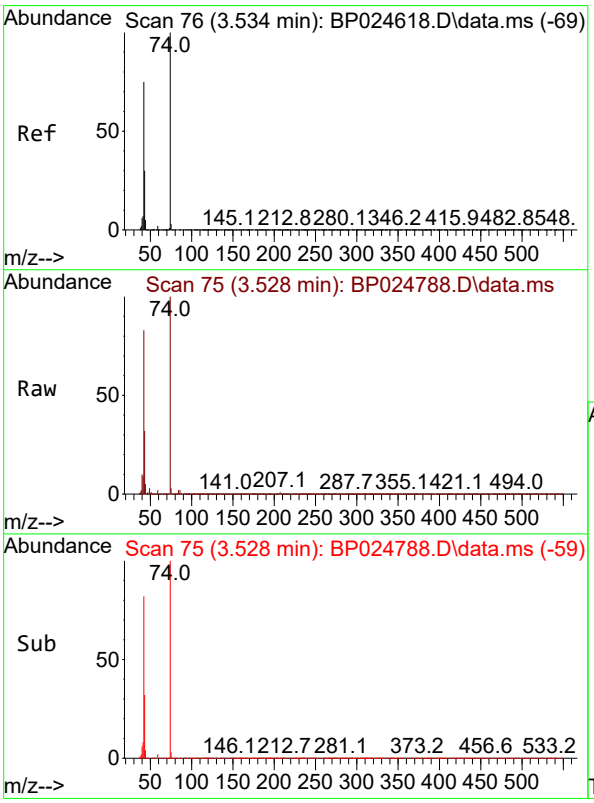
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ClientSampleId :
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Supervised By :Jagrut Upadhyay

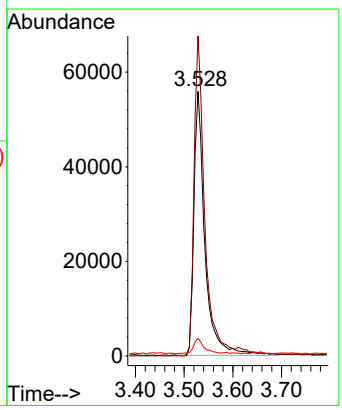
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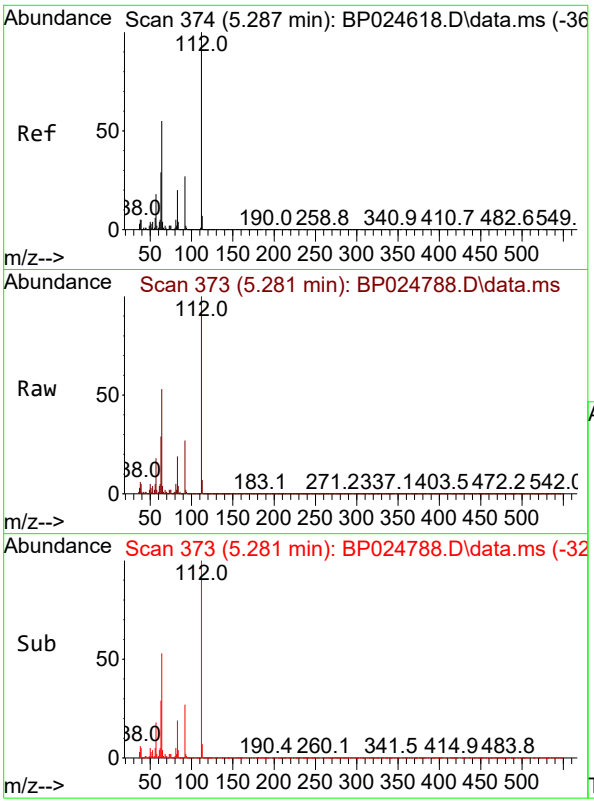


#4
n-Nitrosodimethylamine
Concen: 38.246 ng
RT: 3.528 min Scan# 75
Delta R.T. -0.006 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion: 42 Resp: 88218

Ion	Ratio	Lower	Upper
42	100		
74	120.9	106.2	159.2
44	6.6	5.4	8.2

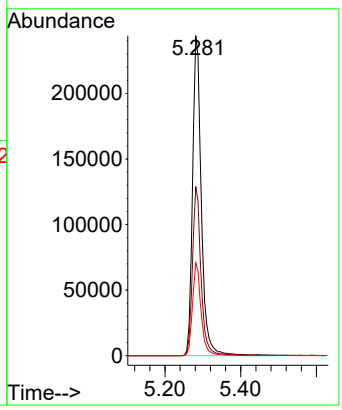




#5
2-Fluorophenol
Concen: 78.867 ng
RT: 5.281 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:112 Resp: 39575

Ion	Ratio	Lower	Upper
112	100		
64	52.9	44.1	66.1
63	29.0	23.5	35.3



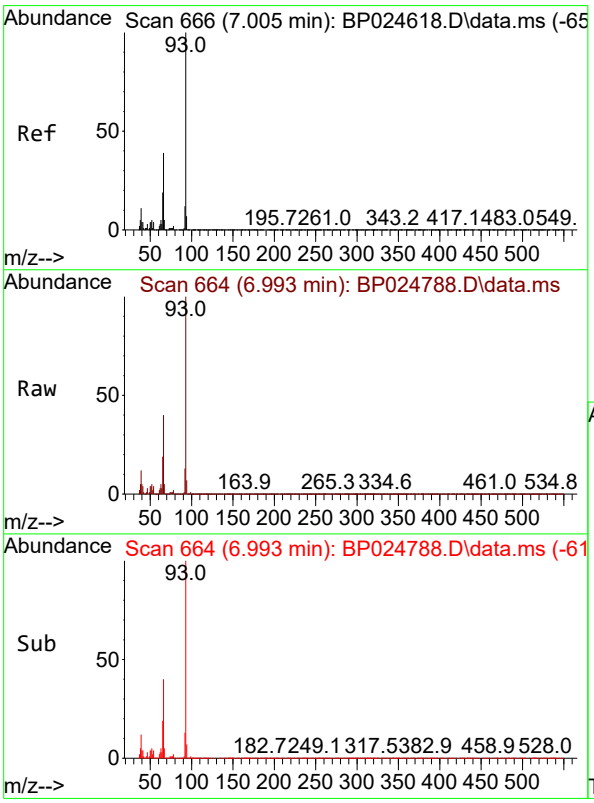
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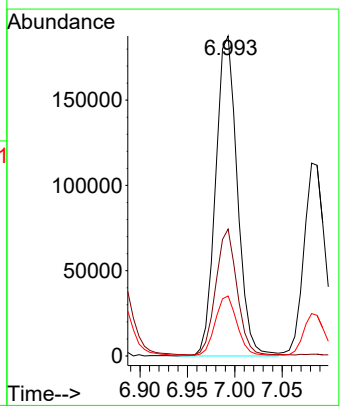
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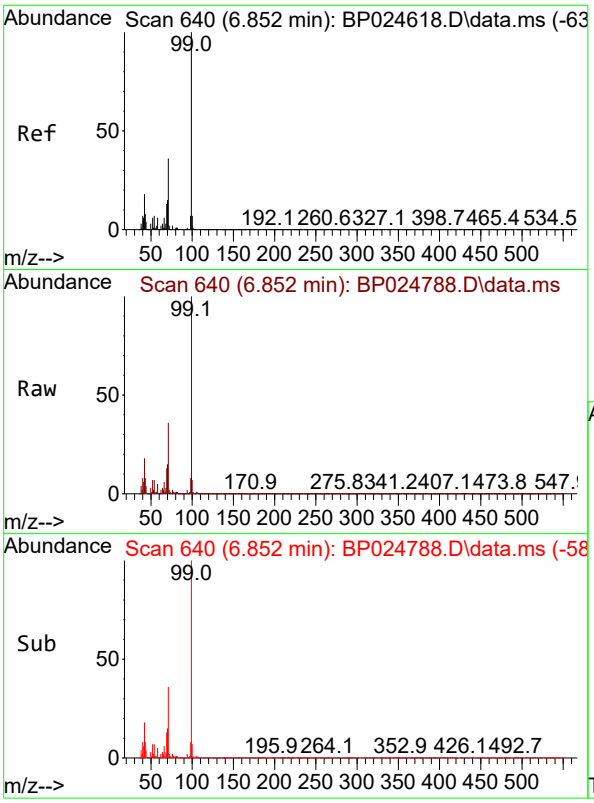


#6
Aniline
Concen: 36.237 ng
RT: 6.993 min Scan# 664
Delta R.T. -0.012 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion: 93 Resp: 299626

Ion	Ratio	Lower	Upper
93	100		
66	39.7	31.0	46.6
65	18.7	15.5	23.3

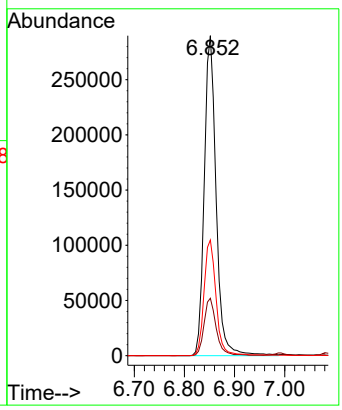




#7
Phenol-d6
Concen: 74.573 ng
RT: 6.852 min Scan# 64
Delta R.T. 0.000 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion: 99 Resp: 47758

Ion	Ratio	Lower	Upper
99	100		
42	17.9	14.4	21.6
71	36.2	29.2	43.8



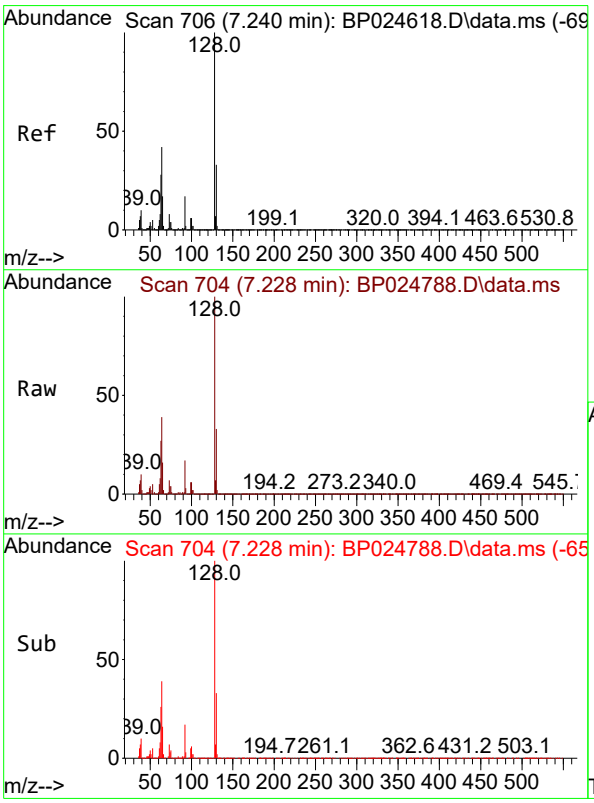
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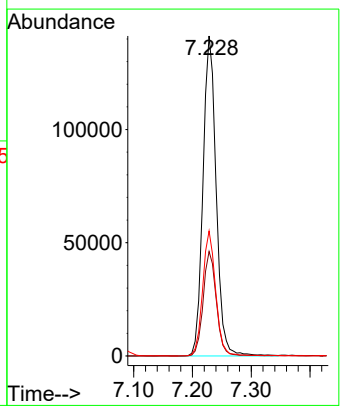
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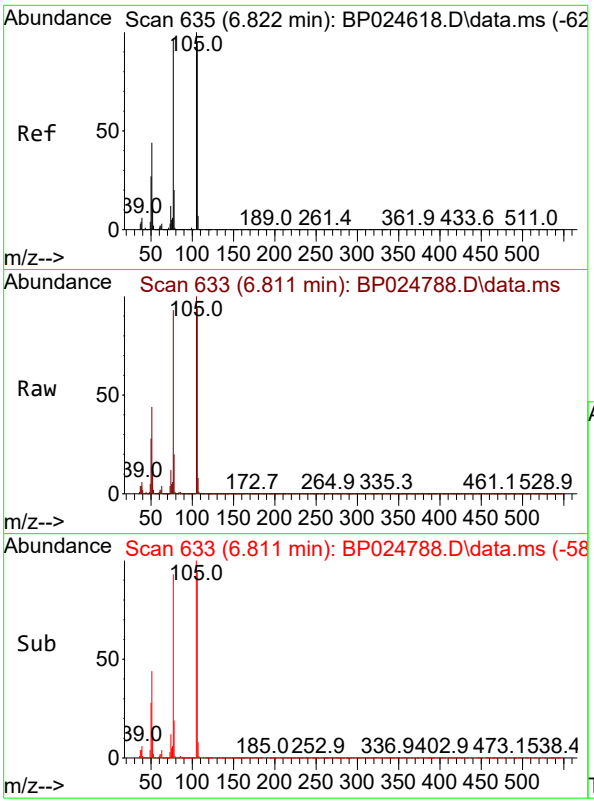


#8
2-Chlorophenol
Concen: 38.722 ng
RT: 7.228 min Scan# 704
Delta R.T. -0.012 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:128 Resp: 220576

Ion	Ratio	Lower	Upper
128	100		
130	32.7	13.0	53.0
64	39.1	22.3	62.3

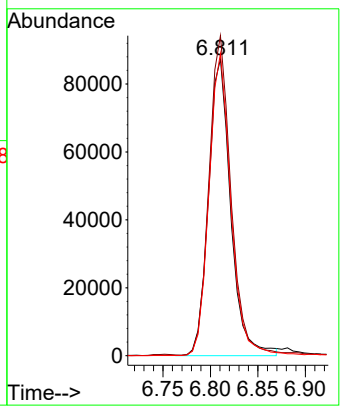




#9
Benzaldehyde
Concen: 34.132 ng m
RT: 6.811 min Scan# 6
Delta R.T. -0.012 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion: 77 Resp: 14149

Ion	Ratio	Lower	Upper
77	100		
105	107.9	83.3	123.3
106	101.9	78.0	118.0



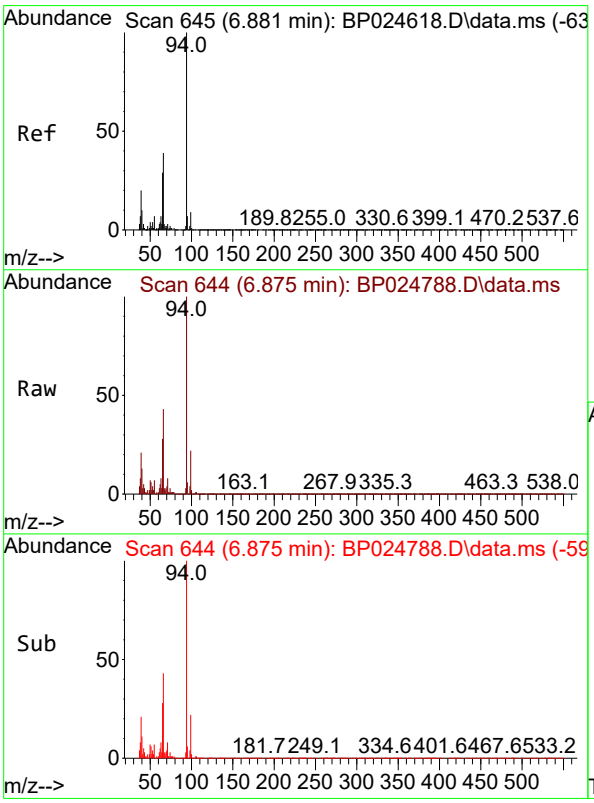
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SSTDCCC040

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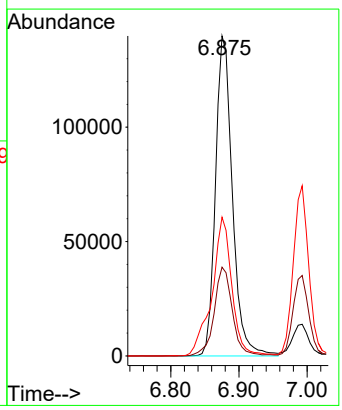
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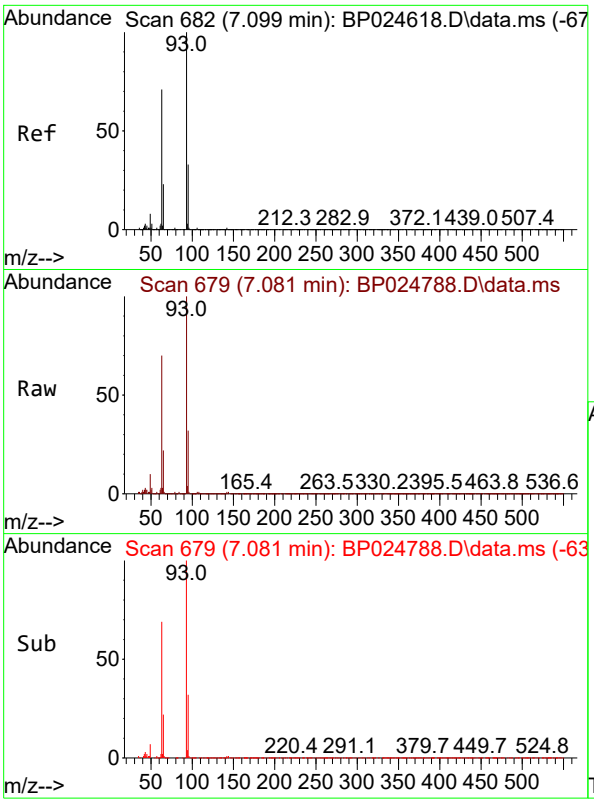


#10
Phenol
Concen: 36.507 ng
RT: 6.875 min Scan# 644
Delta R.T. -0.006 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion: 94 Resp: 241311

Ion	Ratio	Lower	Upper
94	100		
65	27.8	8.7	48.7
66	43.3	19.4	59.4

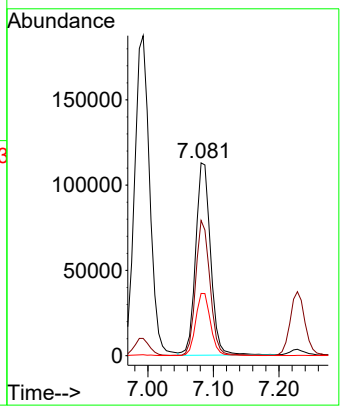




#11
bis(2-Chloroethyl)ether
Concen: 32.883 ng
RT: 7.081 min Scan# 6
Delta R.T. -0.018 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion: 93 Resp: 17860

Ion	Ratio	Lower	Upper
93	100		
63	70.1	50.6	90.6
95	32.3	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

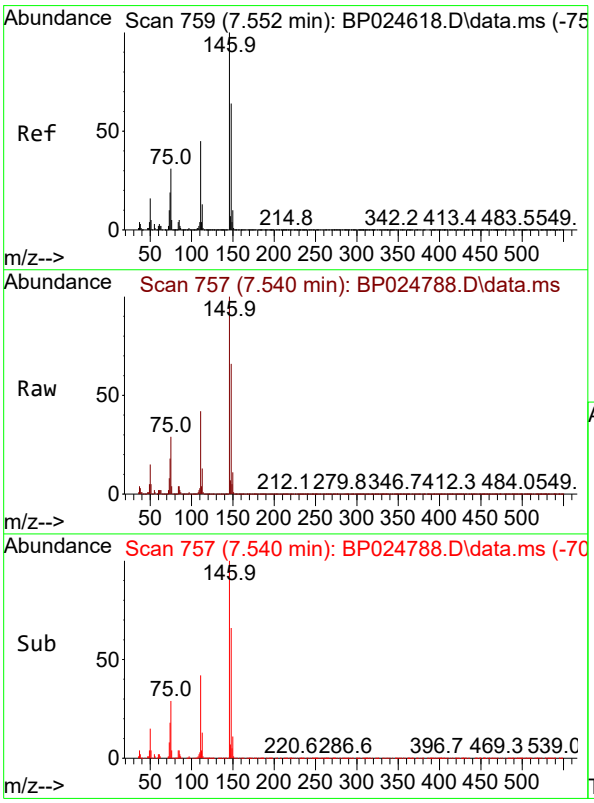
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

05/27/2025

Supervised By :Jagrut Upadhyay

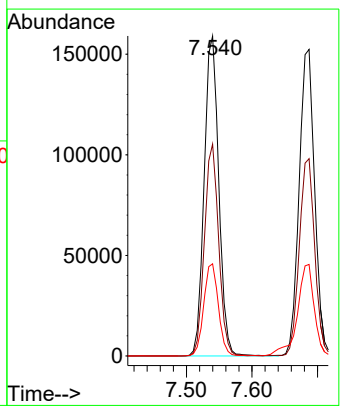
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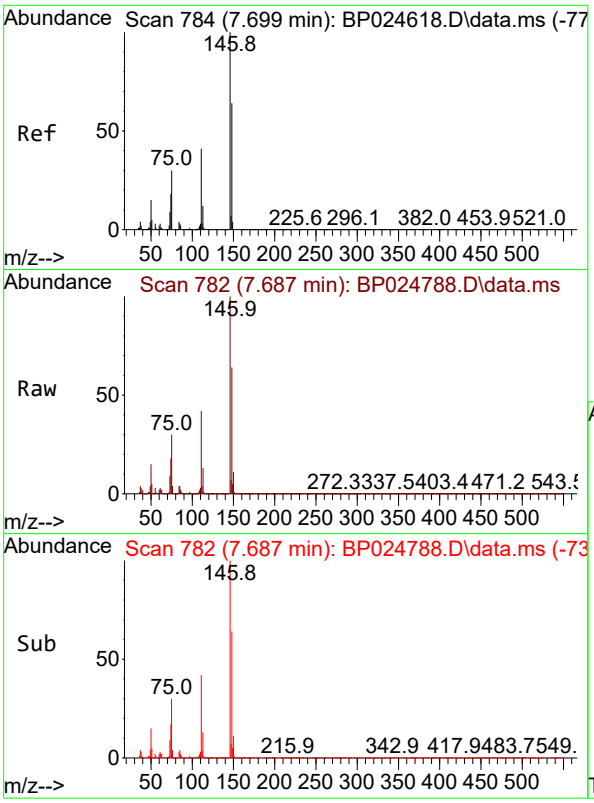


#12
1,3-Dichlorobenzene
Concen: 37.589 ng
RT: 7.540 min Scan# 757
Delta R.T. -0.012 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:146 Resp: 246348

Ion	Ratio	Lower	Upper
146	100		
148	66.2	51.4	77.2
75	28.8	25.2	37.8

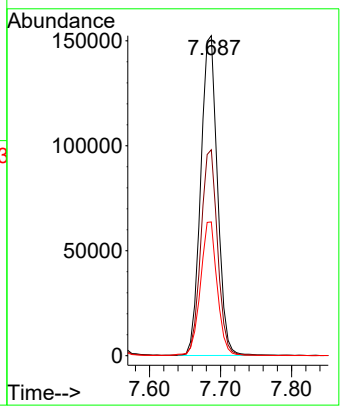




#13
1,4-Dichlorobenzene
Concen: 37.917 ng
RT: 7.687 min Scan# 7
Delta R.T. -0.012 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:146 Resp: 24993

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.0	76.6
111	41.8	33.0	49.6



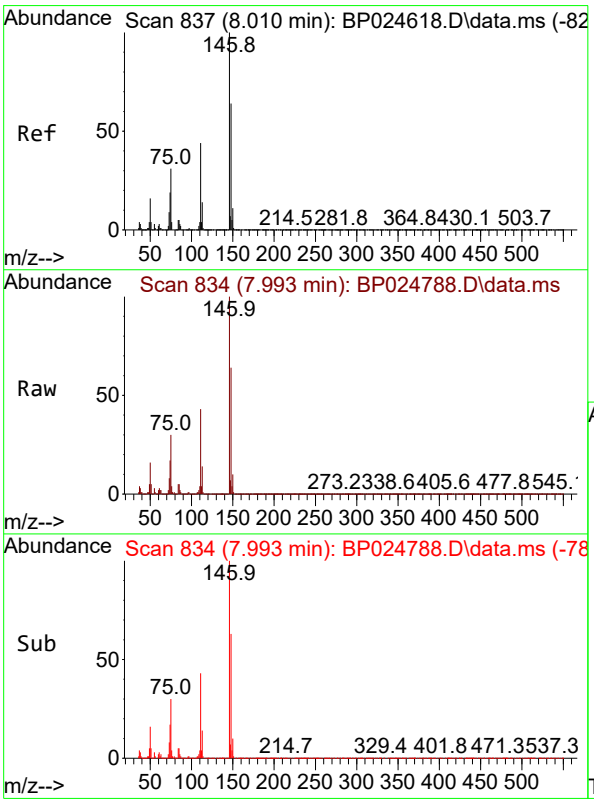
Instrument :
BNA_P
ClientSampleId :
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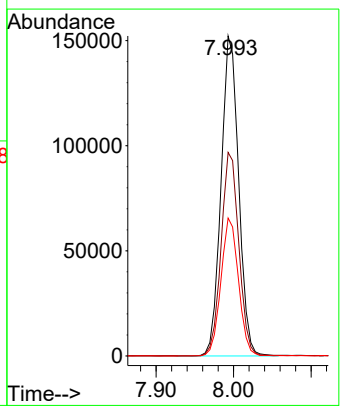
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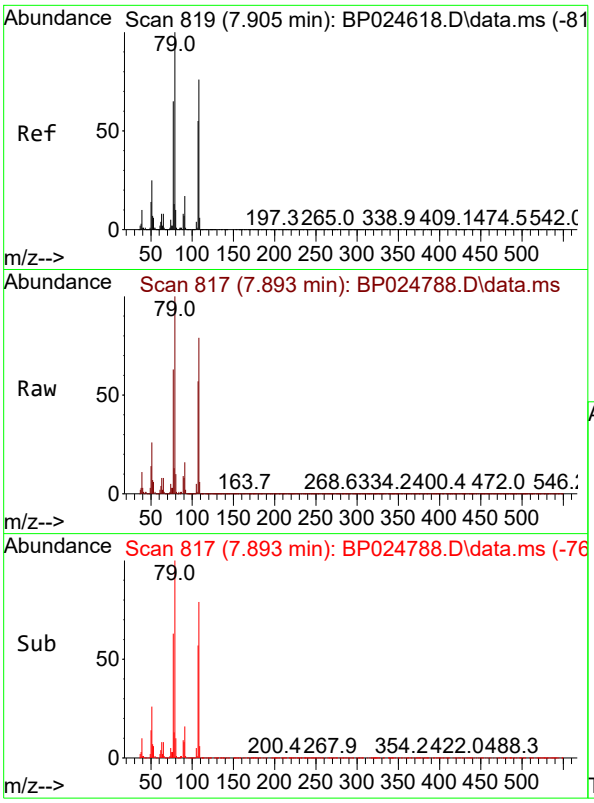


#14
1,2-Dichlorobenzene
Concen: 37.434 ng
RT: 7.993 min Scan# 834
Delta R.T. -0.018 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:146 Resp: 240438

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.0	76.4
111	43.1	35.2	52.8





#15
Benzyl Alcohol
Concen: 36.134 ng
RT: 7.893 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion: 79 Resp: 17585

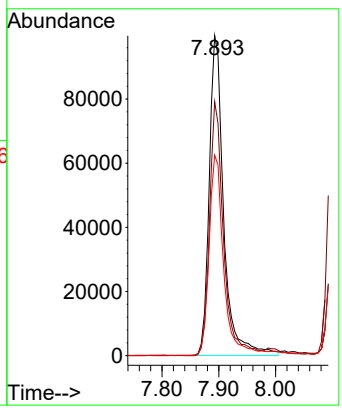
Ion	Ratio	Lower	Upper
79	100		
108	79.3	60.8	91.2
77	62.6	51.9	77.9

Instrument :
BNA_P
ClientSampleId :
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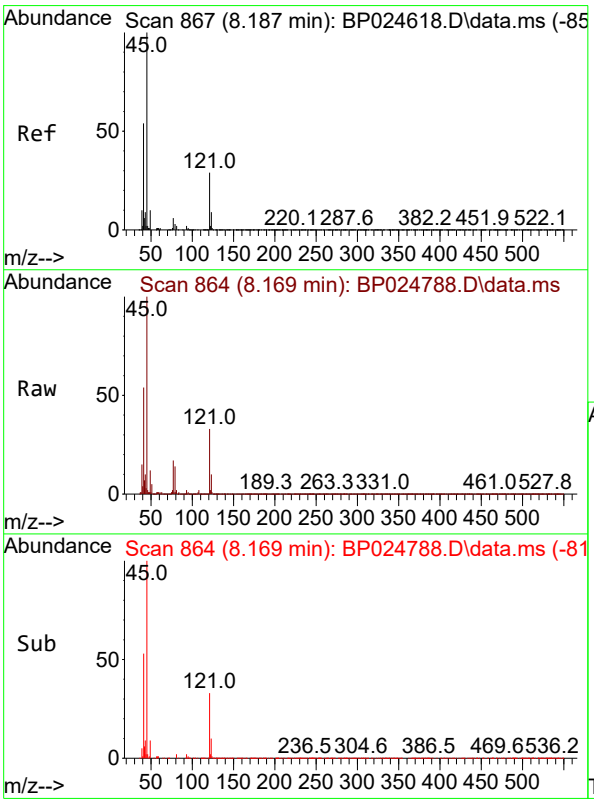
Reviewed By :Rahul Chavli

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Supervised By :Jagrut Upadhyay

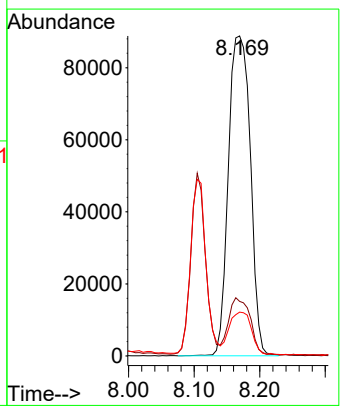
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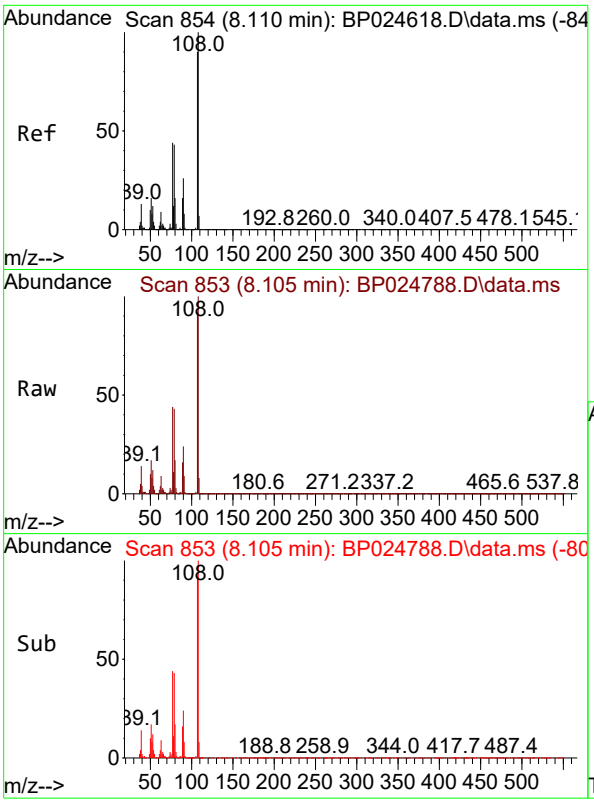


#16
2,2'-oxybis(1-Chloropropane)
Concen: 31.804 ng
RT: 8.169 min Scan# 864
Delta R.T. -0.018 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion: 45 Resp: 206873

Ion	Ratio	Lower	Upper
45	100		
77	17.0	0.0	37.7
79	13.7	0.0	34.0

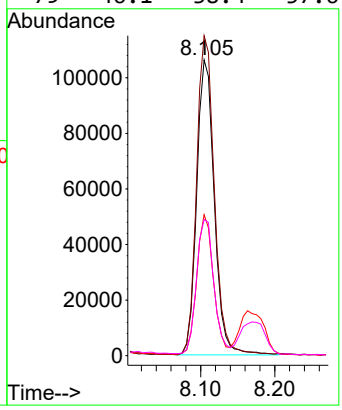




#17
2-Methylphenol
Concen: 36.924 ng
RT: 8.105 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:107 Resp: 17505

Ion	Ratio	Lower	Upper
107	100		
108	108.2	88.9	133.3
77	47.7	39.0	58.6
79	46.1	38.4	57.6



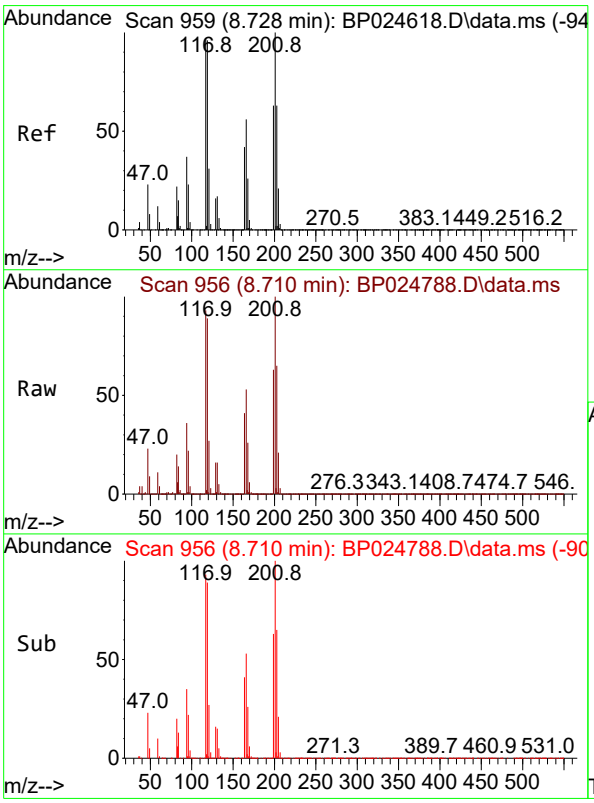
Instrument :
BNA_P
ClientSampleId :
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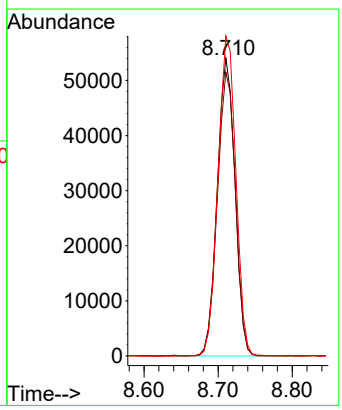
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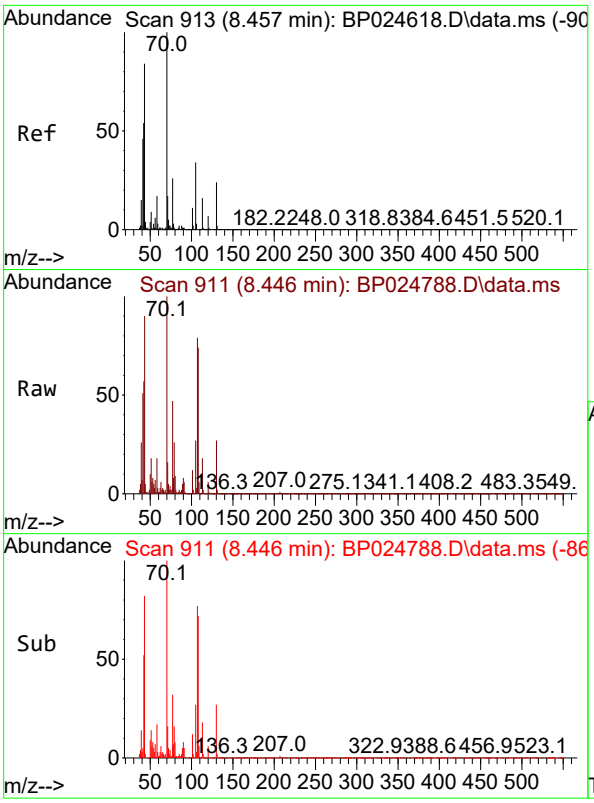


#18
Hexachloroethane
Concen: 35.628 ng
RT: 8.710 min Scan# 956
Delta R.T. -0.018 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:117 Resp: 89993

Ion	Ratio	Lower	Upper
117	100		
119	95.3	79.4	119.0
201	107.5	82.7	124.1

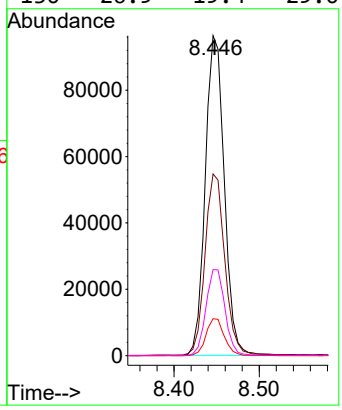




#19
n-Nitroso-di-n-propylamine
Concen: 33.678 ng
RT: 8.446 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion: 70 Resp: 14919

Ion	Ratio	Lower	Upper
70	100		
42	56.8	43.0	64.6
101	11.5	8.7	13.1
130	26.9	19.4	29.0



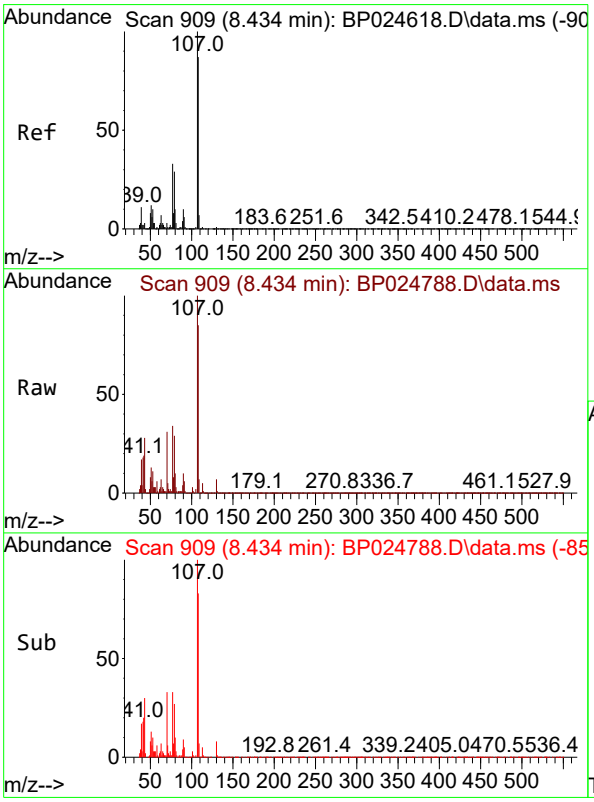
Instrument :
BNA_P
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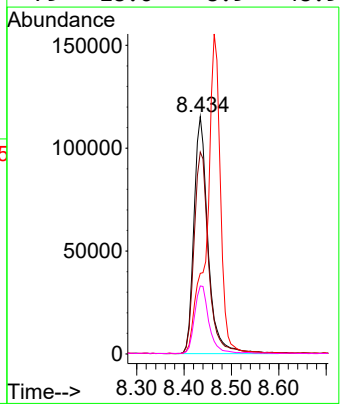
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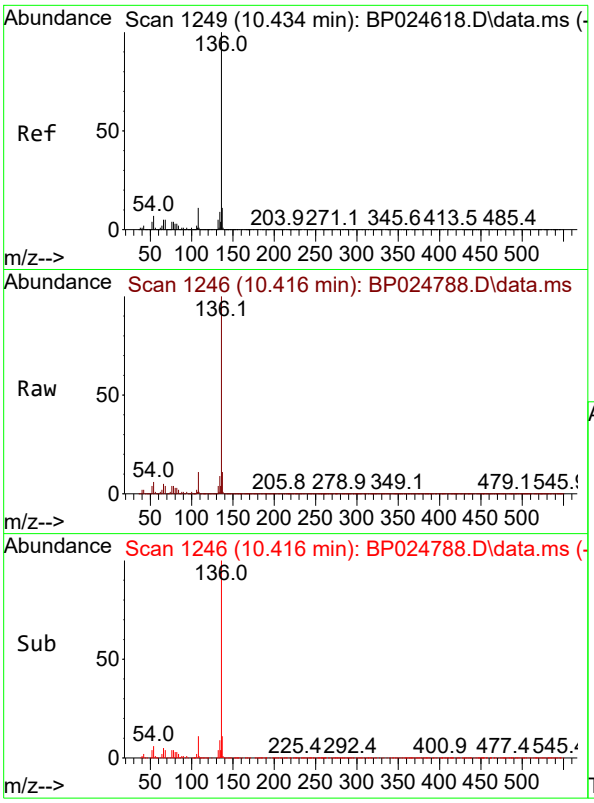


#20
3+4-Methylphenols
Concen: 36.896 ng
RT: 8.434 min Scan# 909
Delta R.T. 0.000 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:107 Resp: 237941

Ion	Ratio	Lower	Upper
107	100		
108	85.1	66.7	106.7
77	34.0	13.1	53.1
79	28.6	8.9	48.9

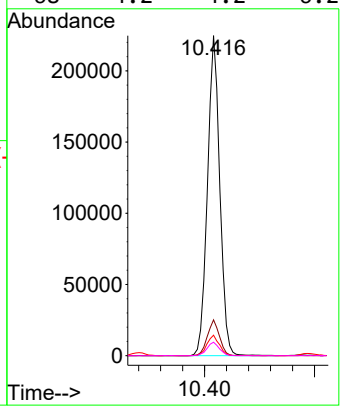




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.416 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:136 Resp: 34865

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



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

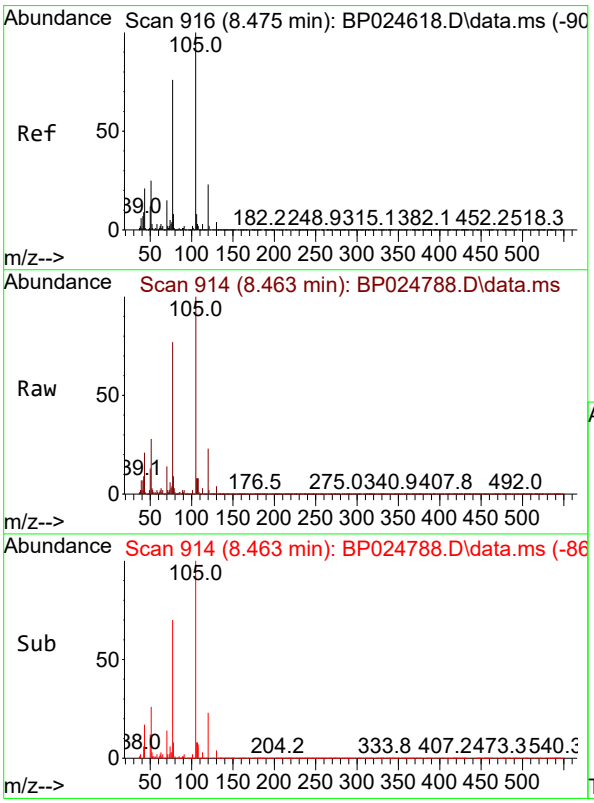
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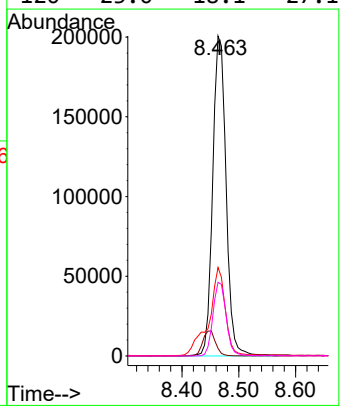
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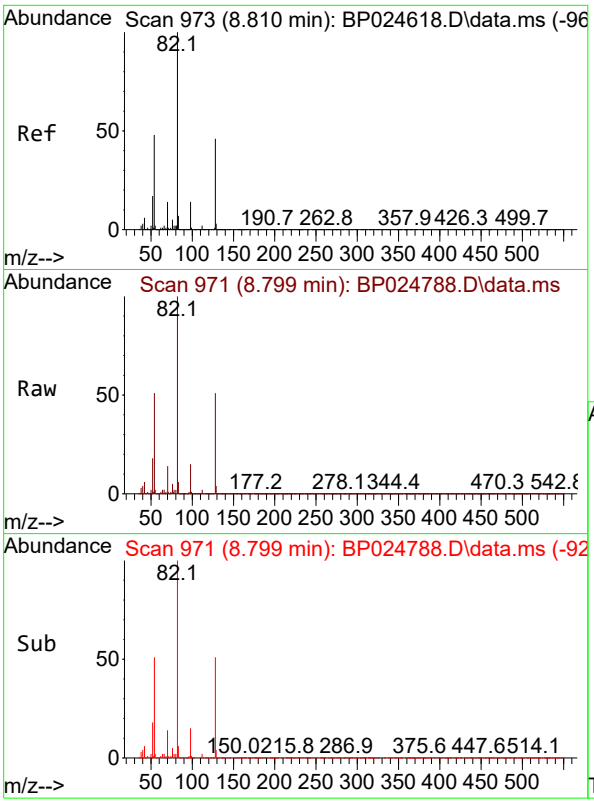


#22
Acetophenone
Concen: 37.699 ng
RT: 8.463 min Scan# 914
Delta R.T. -0.012 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:105 Resp: 328325

Ion	Ratio	Lower	Upper
105	100		
71	2.4	2.0	3.0
51	27.7	20.4	30.6
120	23.0	18.1	27.1

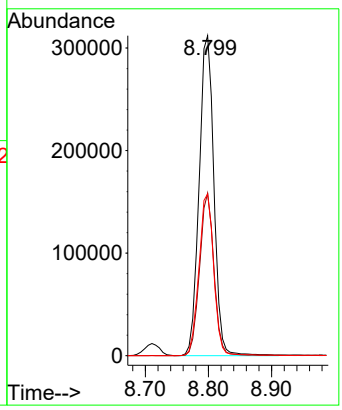




#23
Nitrobenzene-d5
Concen: 73.350 ng
RT: 8.799 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion: 82 Resp: 50613

Ion	Ratio	Lower	Upper
82	100		
128	50.8	37.0	55.4
54	50.5	38.7	58.1



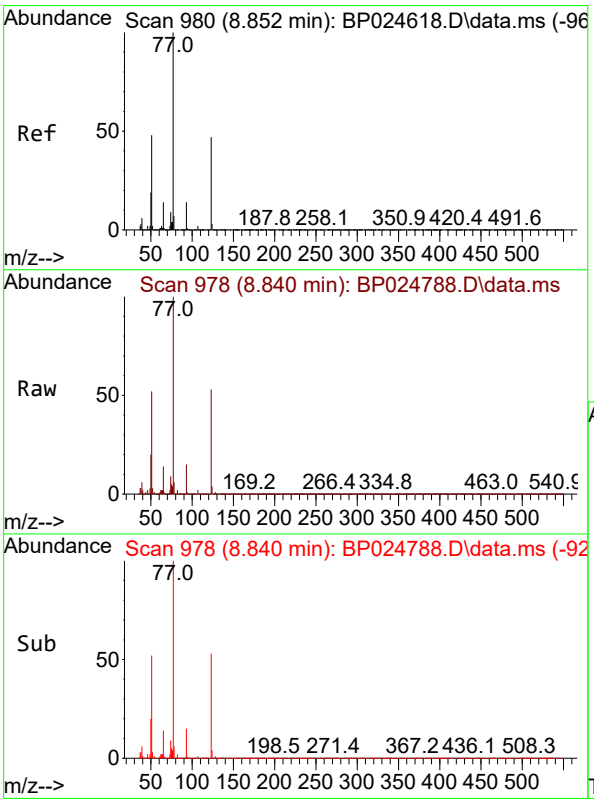
Instrument :
BNA_P
ClientSampleId :
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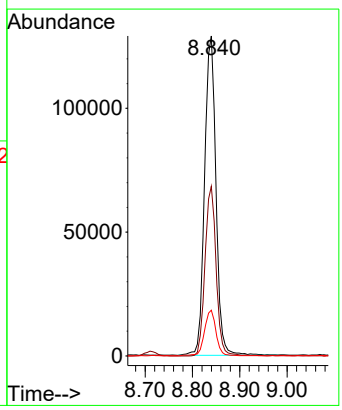
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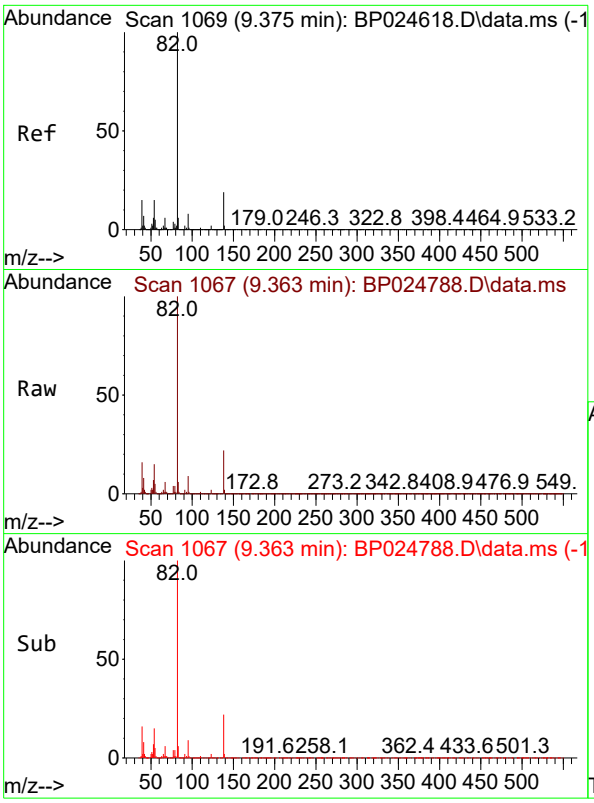


#24
Nitrobenzene
Concen: 35.545 ng
RT: 8.840 min Scan# 978
Delta R.T. -0.012 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion: 77 Resp: 215844

Ion	Ratio	Lower	Upper
77	100		
123	53.0	37.4	56.0
65	14.3	11.3	16.9

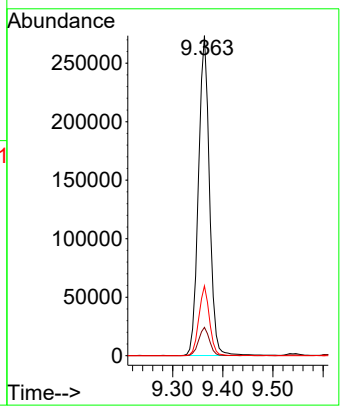




#25
Isophorone
Concen: 34.769 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion: 82 Resp: 41617

Ion	Ratio	Lower	Upper
82	100		
95	8.8	6.3	9.5
138	21.8	15.3	22.9



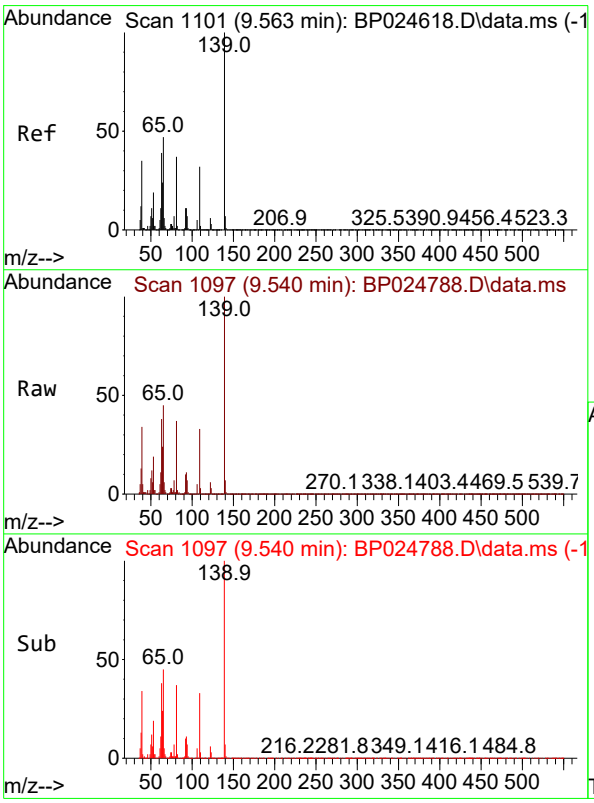
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ClientSampleId :
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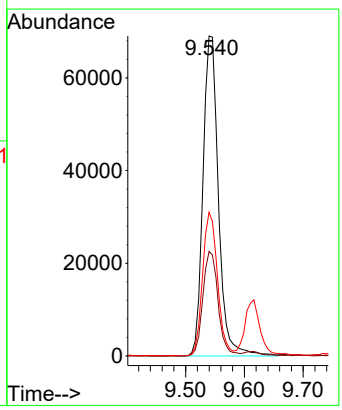
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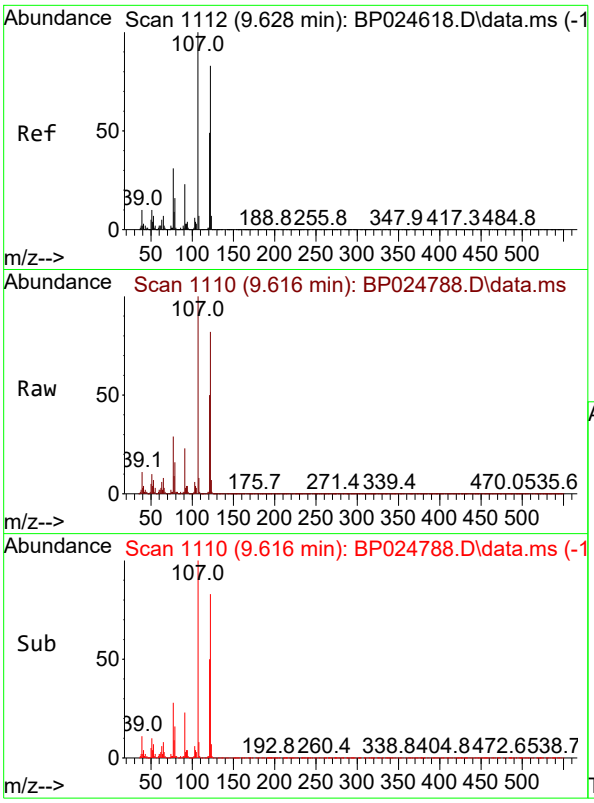


#26
2-Nitrophenol
Concen: 42.384 ng
RT: 9.540 min Scan# 1097
Delta R.T. -0.024 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:139 Resp: 126118

Ion	Ratio	Lower	Upper
139	100		
109	32.7	25.9	38.9
65	44.9	37.9	56.9

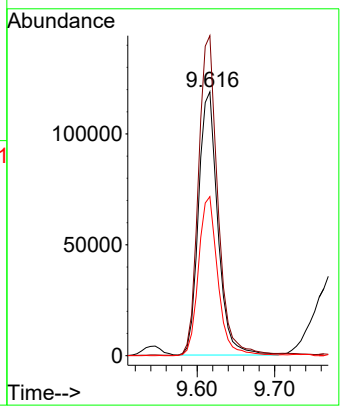




#27
2,4-Dimethylphenol
Concen: 39.115 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:122 Resp: 20520

Ion	Ratio	Lower	Upper
122	100		
107	121.3	96.2	144.2
121	60.3	47.6	71.4



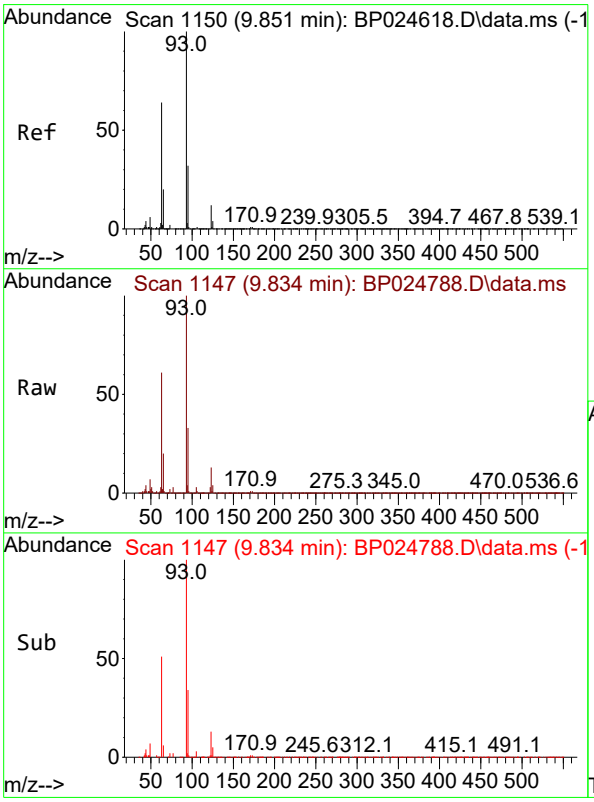
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BNA_P
ClientSampleId :
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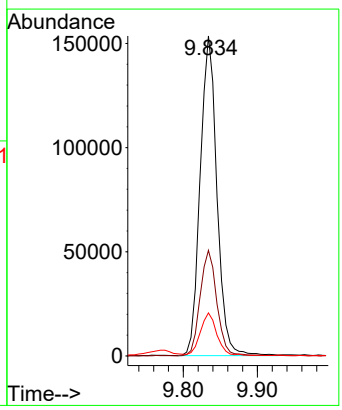
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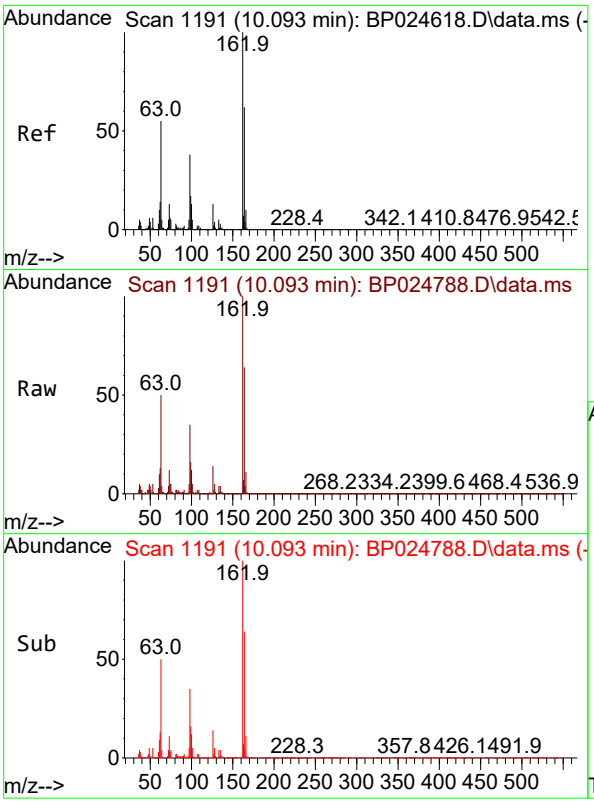


#28
bis(2-Chloroethoxy)methane
Concen: 33.693 ng
RT: 9.834 min Scan# 1147
Delta R.T. -0.018 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion: 93 Resp: 240940

Ion	Ratio	Lower	Upper
93	100		
95	33.0	25.5	38.3
123	13.5	9.7	14.5

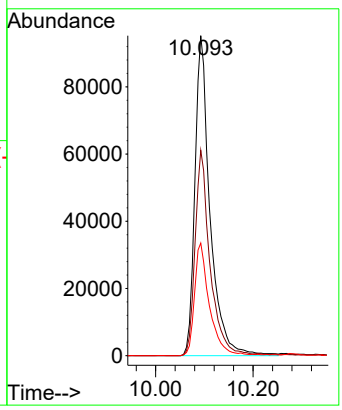




#29
2,4-Dichlorophenol
Concen: 40.513 ng
RT: 10.093 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:162 Resp: 20596

Ion	Ratio	Lower	Upper
162	100		
164	64.2	42.3	82.3
98	35.2	18.4	58.4



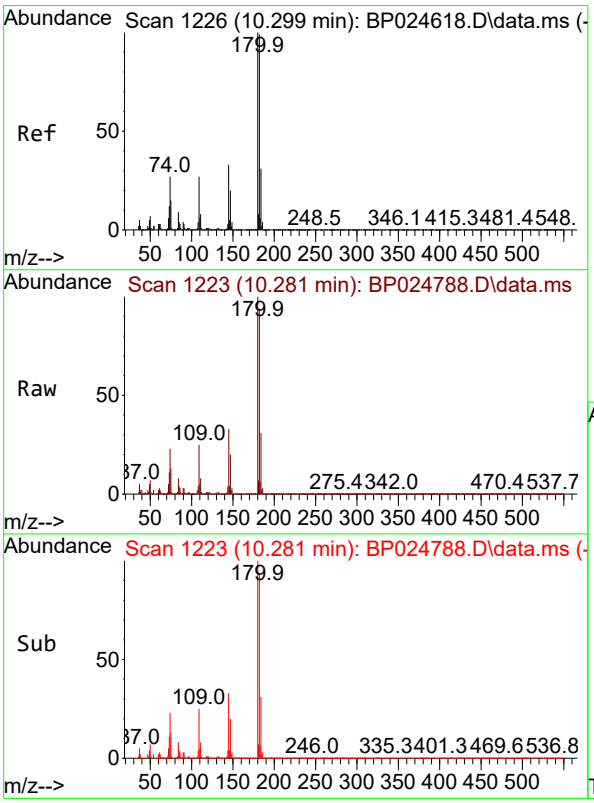
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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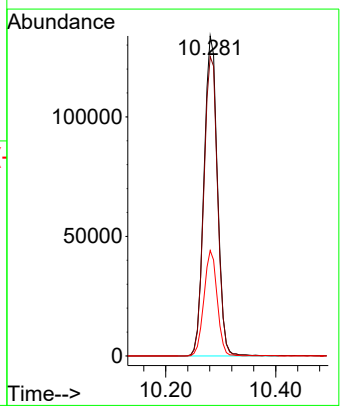
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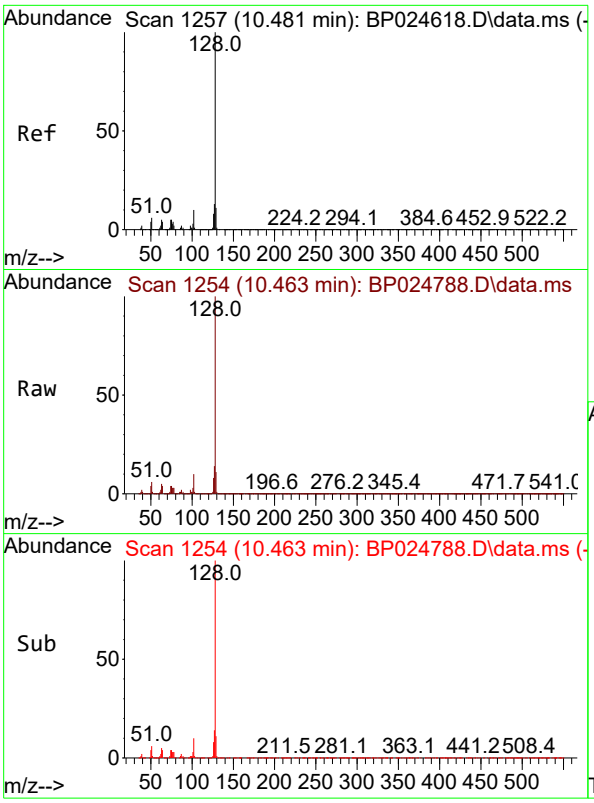


#30
1,2,4-Trichlorobenzene
Concen: 39.636 ng
RT: 10.281 min Scan# 1223
Delta R.T. -0.018 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:180 Resp: 227074

Ion	Ratio	Lower	Upper
180	100		
182	93.5	79.0	118.4
145	32.9	26.6	39.8

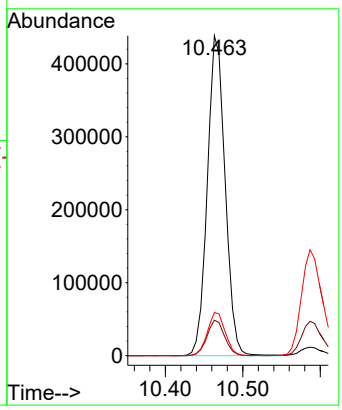




#31
Naphthalene
Concen: 38.612 ng
RT: 10.463 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:128 Resp: 69762

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.5	10.7	16.1



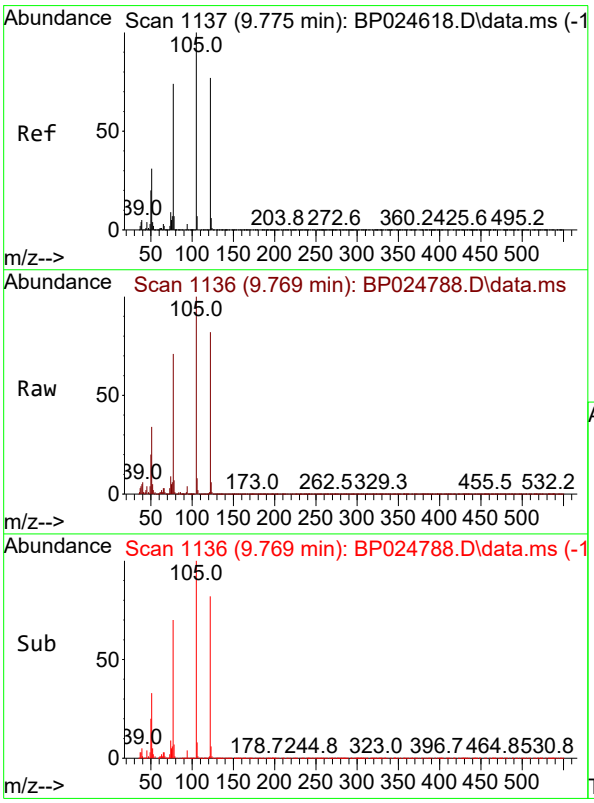
Instrument :
BNA_P
ClientSampleId :
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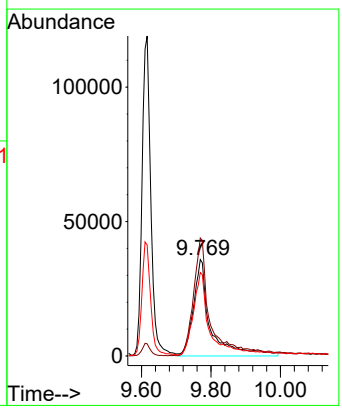
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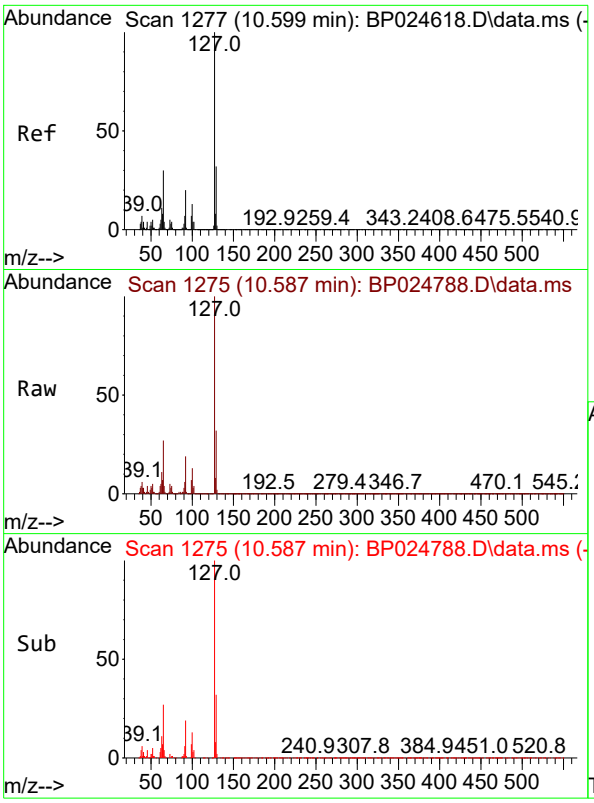


#32
Benzoic acid
Concen: 35.863 ng m
RT: 9.769 min Scan# 1136
Delta R.T. -0.006 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:122 Resp: 122811

Ion	Ratio	Lower	Upper
122	100		
105	122.5	106.9	146.9
77	86.6	75.1	115.1

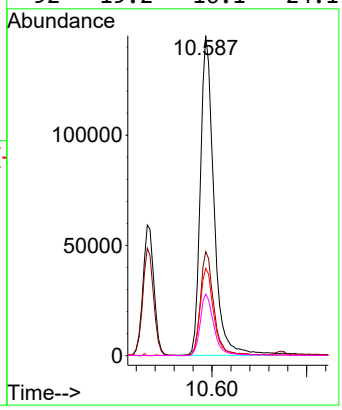




#33
4-Chloroaniline
Concen: 39.447 ng
RT: 10.587 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:127 Resp: 28759

Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.8	38.6
65	27.3	23.9	35.9
92	19.2	16.1	24.1



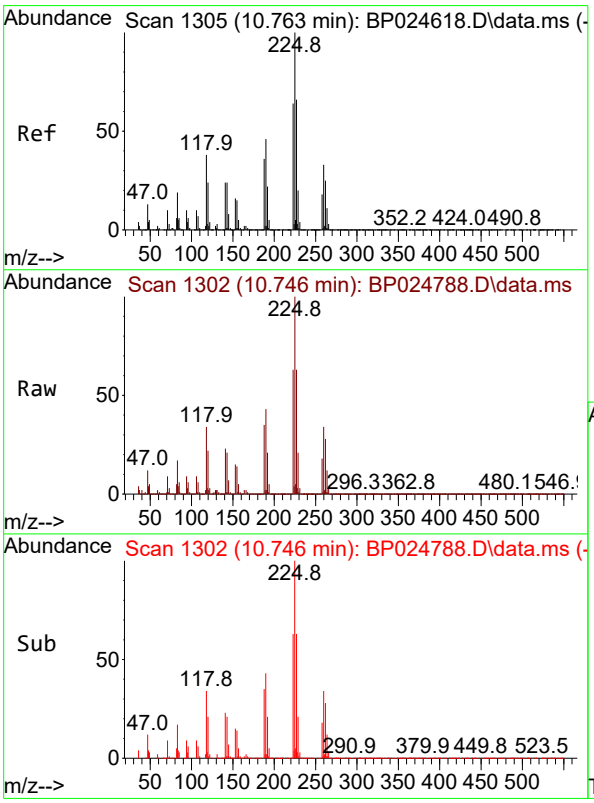
Instrument :
BNA_P
ClientSampleId :
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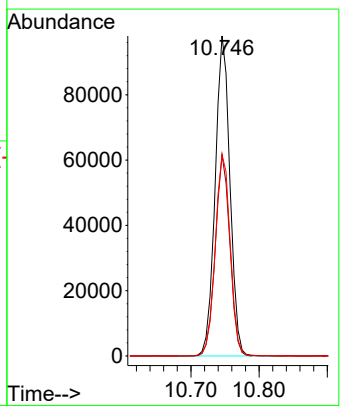
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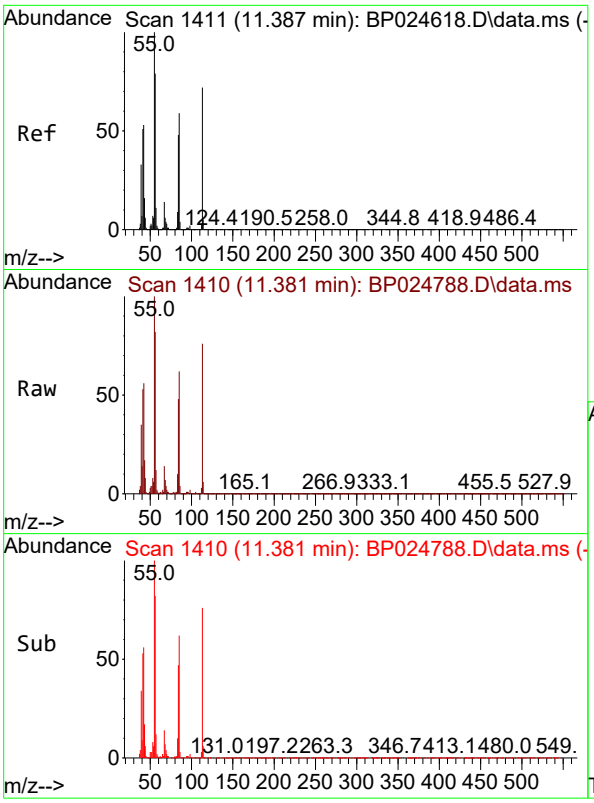


#34
Hexachlorobutadiene
Concen: 39.777 ng
RT: 10.746 min Scan# 1302
Delta R.T. -0.018 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:225 Resp: 147624

Ion	Ratio	Lower	Upper
225	100		
223	62.8	51.0	76.6
227	62.9	53.1	79.7





#35
Caprolactam
Concen: 39.418 ng
RT: 11.381 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

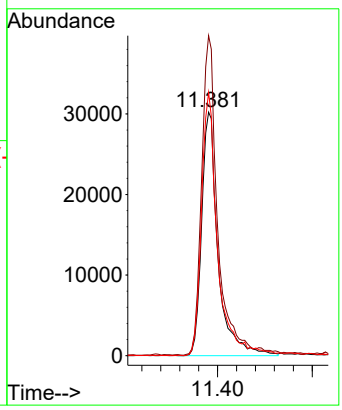
Tgt Ion:113 Resp: 7250

Ion	Ratio	Lower	Upper
113	100		
55	131.4	119.0	159.0
56	108.0	90.3	130.3

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

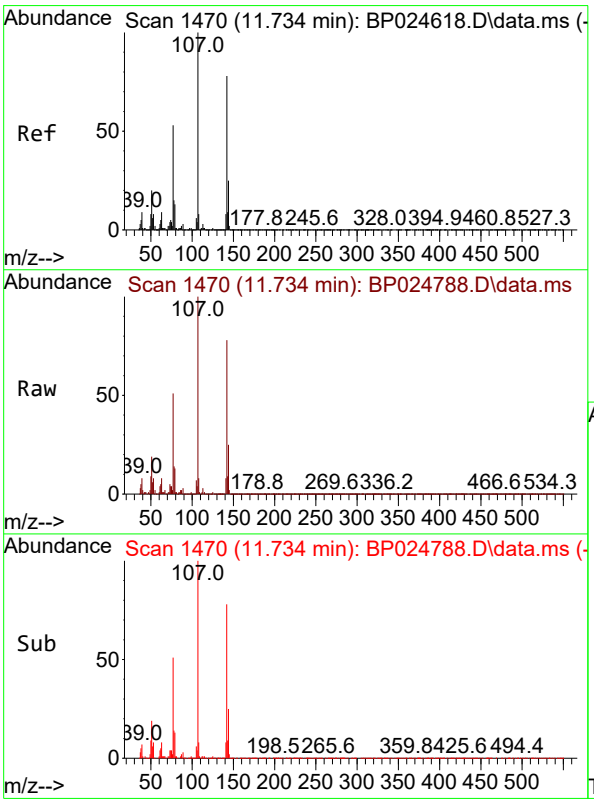
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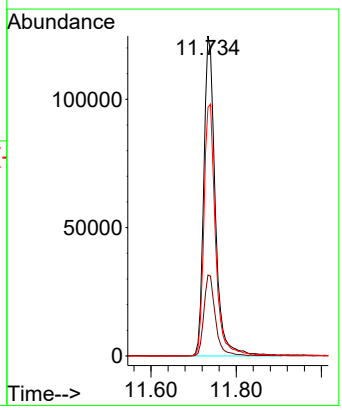
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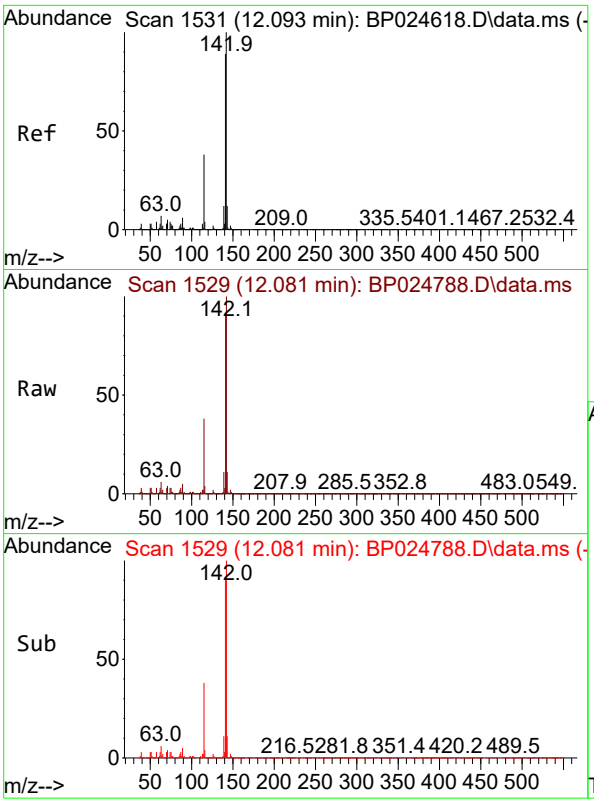


#36
4-Chloro-3-methylphenol
Concen: 37.662 ng
RT: 11.734 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:107 Resp: 233494

Ion	Ratio	Lower	Upper
107	100		
144	25.3	20.1	30.1
142	77.7	62.1	93.1

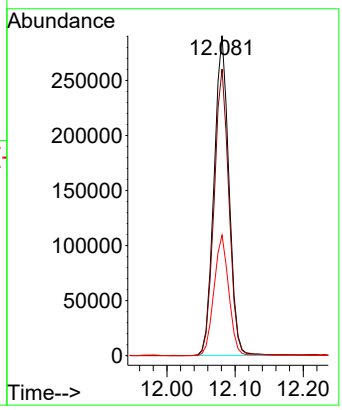




#37
2-Methylnaphthalene
Concen: 37.844 ng
RT: 12.081 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:142 Resp: 44273

Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.2	106.8
115	37.7	30.6	46.0



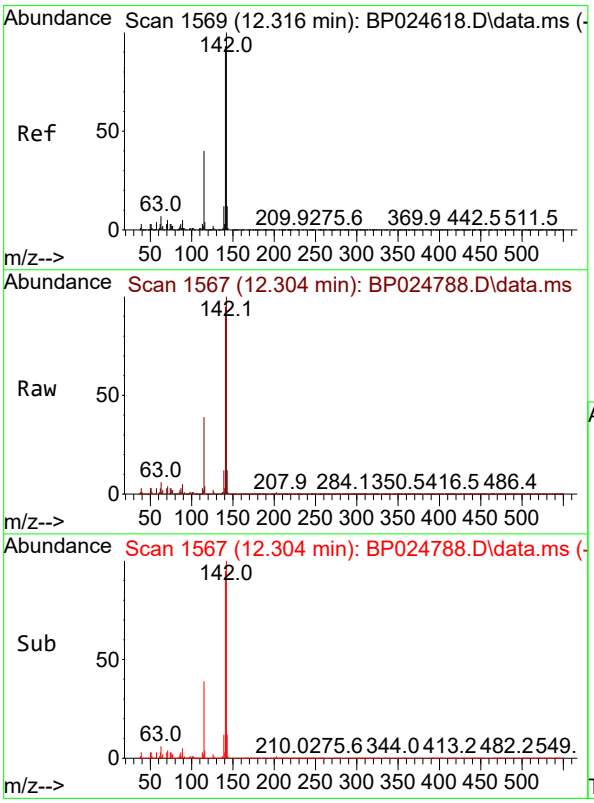
Instrument :
BNA_P
ClientSampleId :
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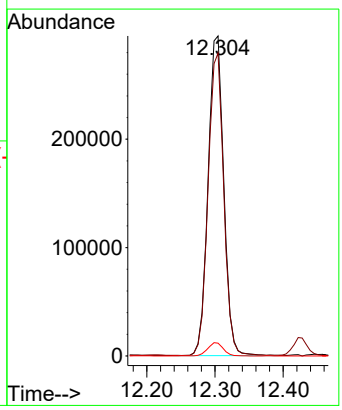
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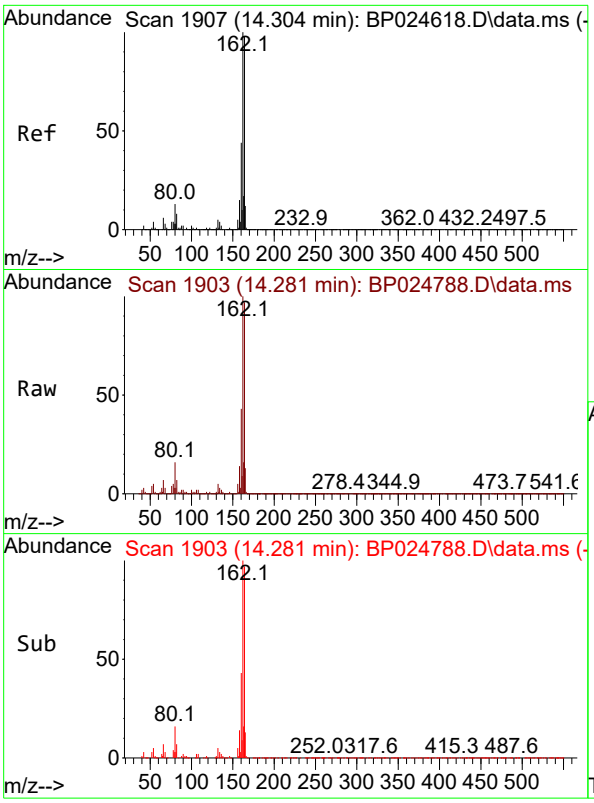


#38
1-Methylnaphthalene
Concen: 37.693 ng
RT: 12.304 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:142 Resp: 471817

Ion	Ratio	Lower	Upper
142	100		
141	94.6	74.7	112.1
116	4.0	3.4	5.2

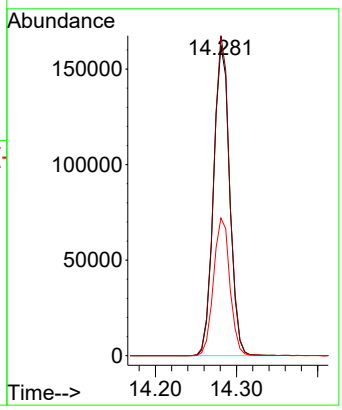




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.281 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:164 Resp: 22350

Ion	Ratio	Lower	Upper
164	100		
162	103.2	81.8	122.6
160	44.3	36.3	54.5



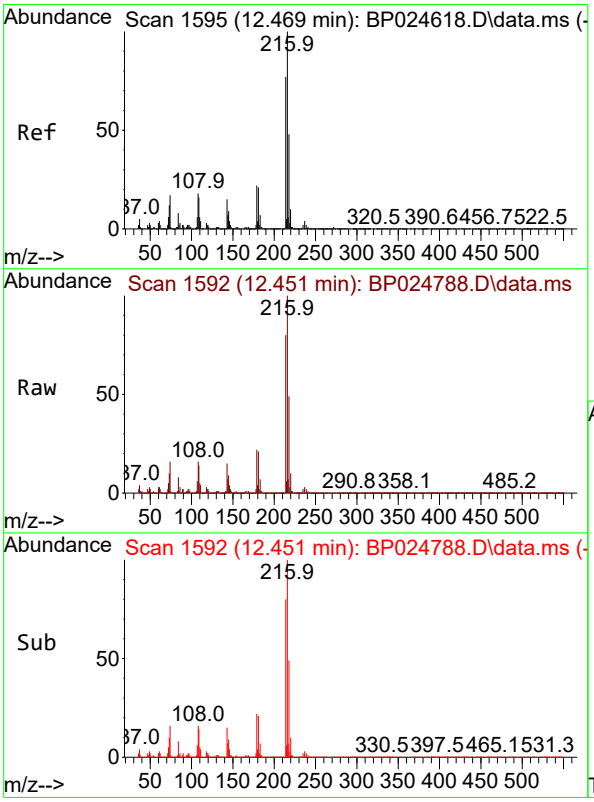
Instrument :
BNA_P
ClientSampleId :
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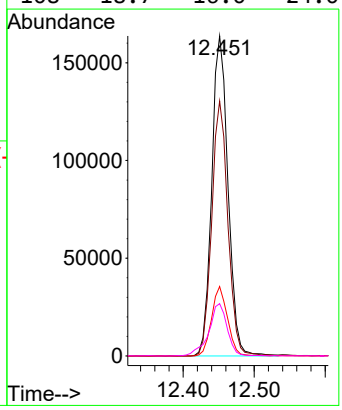
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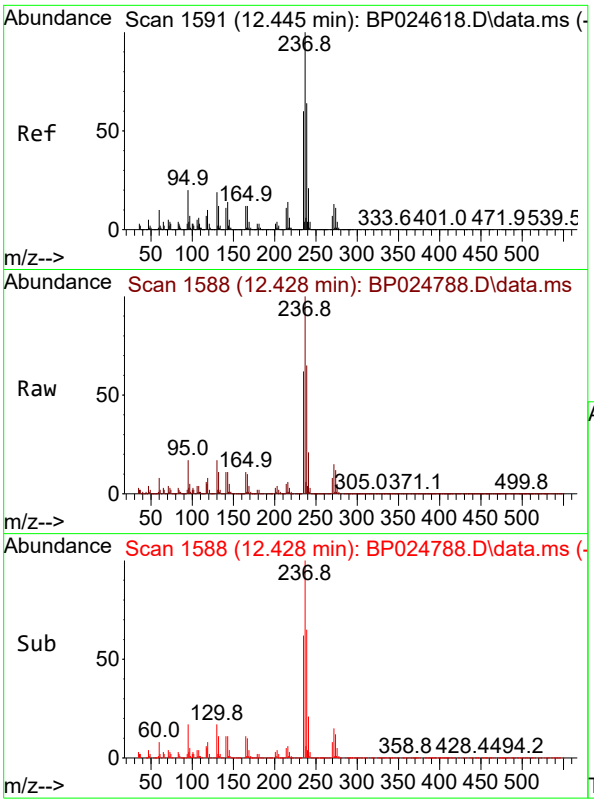


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.090 ng
RT: 12.451 min Scan# 1592
Delta R.T. -0.018 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:216 Resp: 260194

Ion	Ratio	Lower	Upper
216	100		
214	79.0	62.3	93.5
179	21.3	17.7	26.5
108	18.7	16.0	24.0

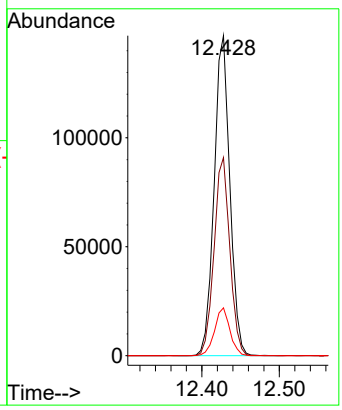




#41
Hexachlorocyclopentadiene
Concen: 52.383 ng
RT: 12.428 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:237 Resp: 20615

Ion	Ratio	Lower	Upper
237	100		
235	61.9	39.9	79.9
272	15.0	0.0	33.2



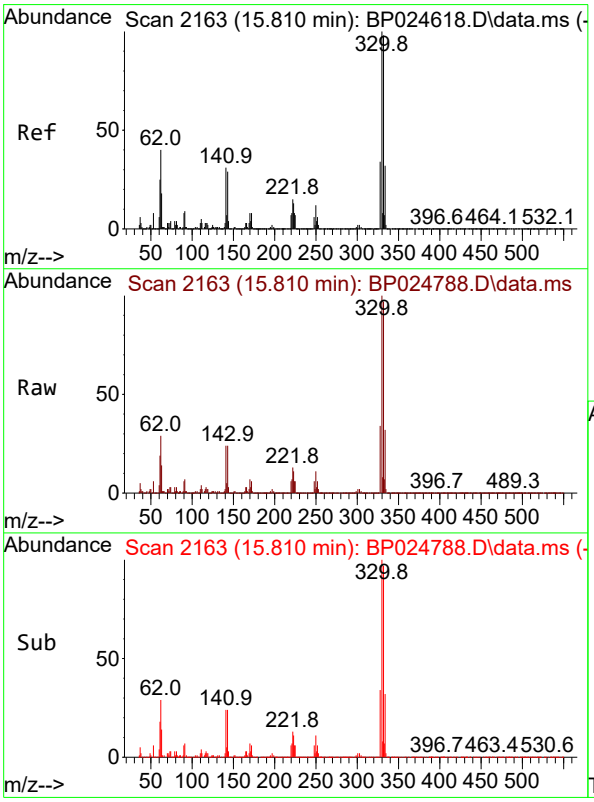
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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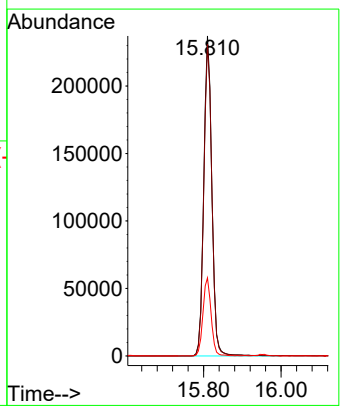
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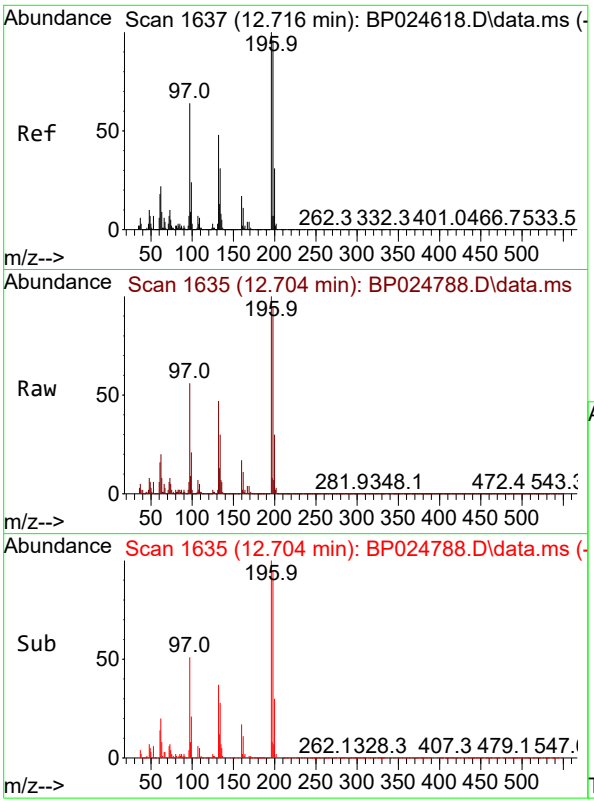


#42
2,4,6-Tribromophenol
Concen: 90.543 ng
RT: 15.810 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:330 Resp: 343067

Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.2	117.4
141	24.7	24.3	36.5

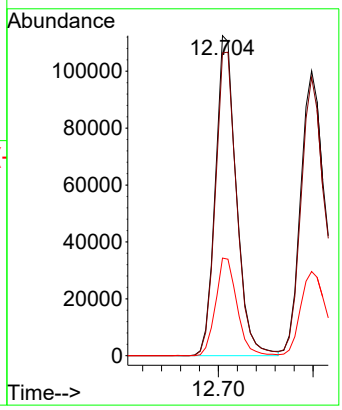




#43
2,4,6-Trichlorophenol
Concen: 41.312 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:196 Resp: 17366

Ion	Ratio	Lower	Upper
196	100		
198	94.6	76.9	115.3
200	30.5	25.2	37.8



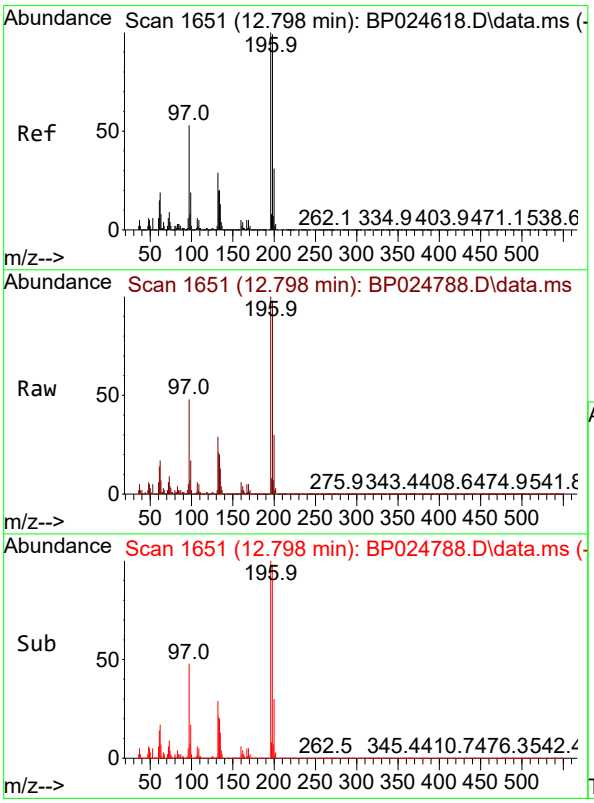
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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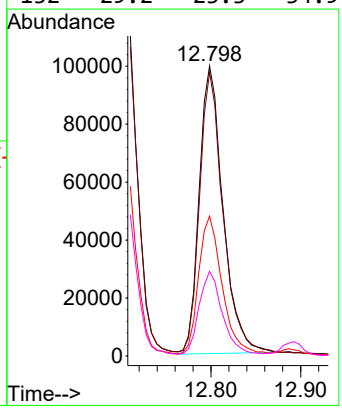
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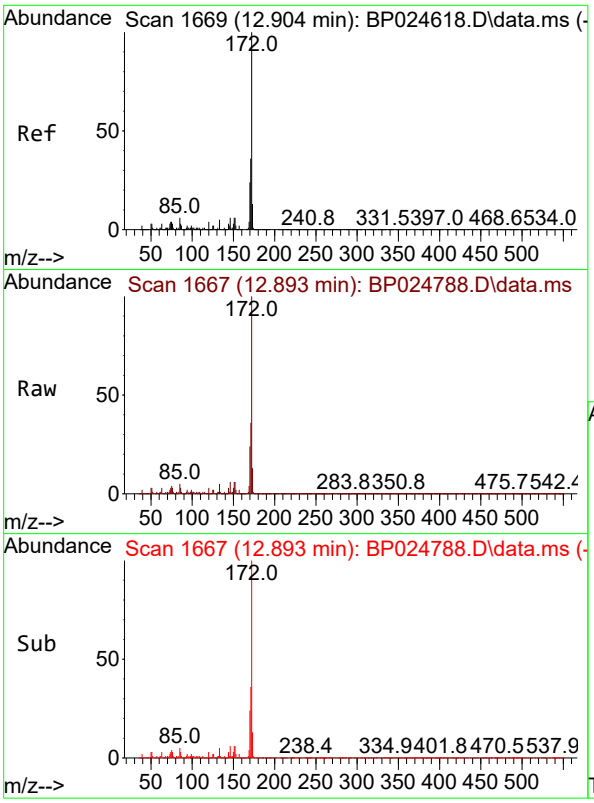


#44
2,4,5-Trichlorophenol
Concen: 39.137 ng
RT: 12.798 min Scan# 1651
Delta R.T. 0.000 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:196 Resp: 183134

Ion	Ratio	Lower	Upper
196	100		
198	97.8	79.2	118.8
97	48.2	42.3	63.5
132	29.2	23.3	34.9

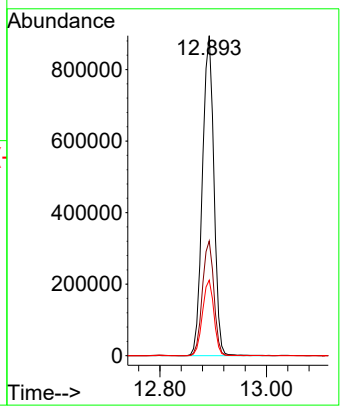




#45
2-Fluorobiphenyl
Concen: 78.425 ng
RT: 12.893 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:172 Resp: 133790

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.8	43.2
170	23.6	18.8	28.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

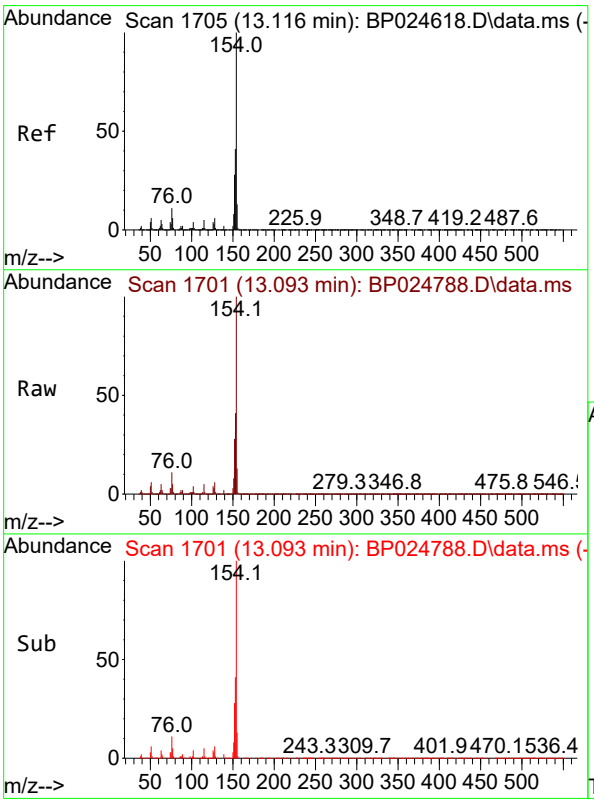
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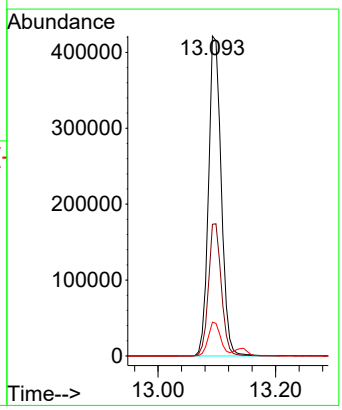
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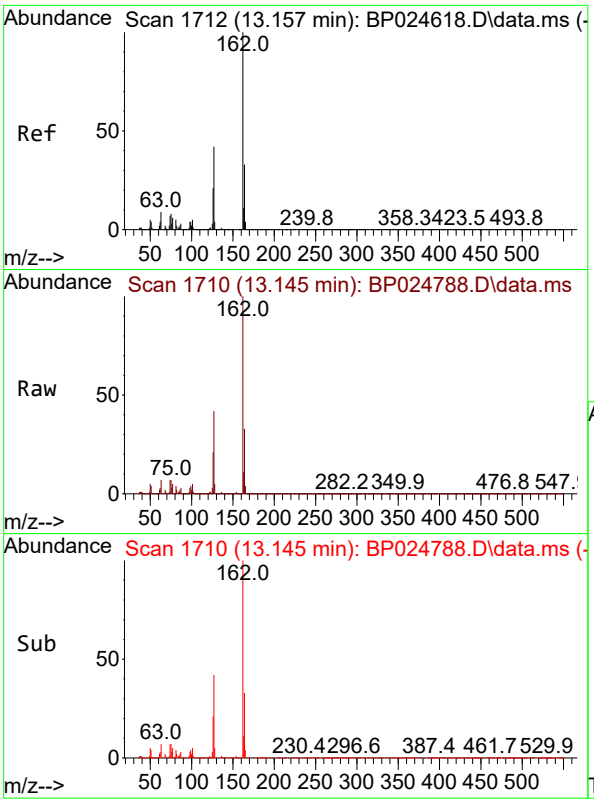


#46
1,1'-Biphenyl
Concen: 38.408 ng
RT: 13.093 min Scan# 1701
Delta R.T. -0.024 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:154 Resp: 634461

Ion	Ratio	Lower	Upper
154	100		
153	41.2	21.0	61.0
76	10.5	0.0	31.5

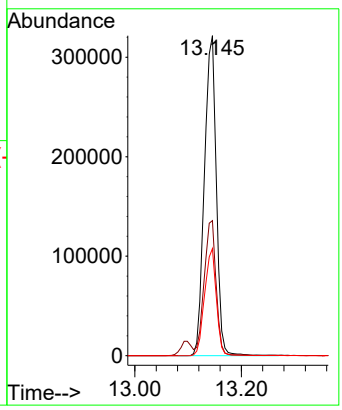




#47
2-Chloronaphthalene
Concen: 39.580 ng
RT: 13.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:162 Resp: 49852

Ion	Ratio	Lower	Upper
162	100		
127	42.2	33.8	50.6
164	33.4	26.0	39.0



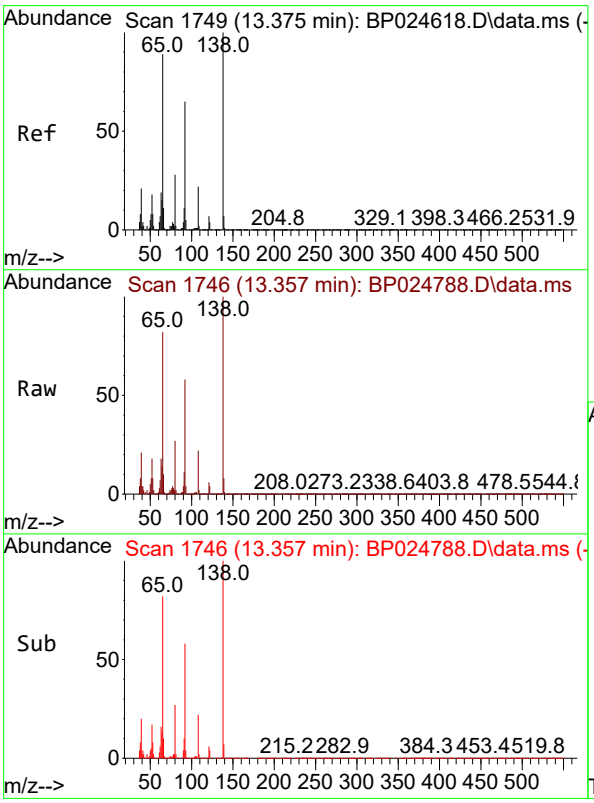
Instrument :
BNA_P
ClientSampleId :
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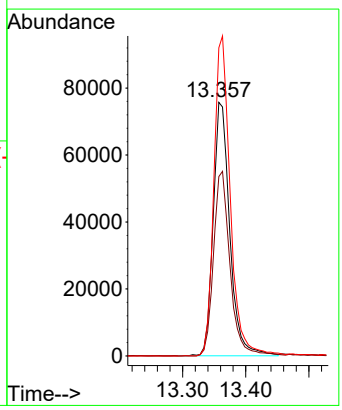
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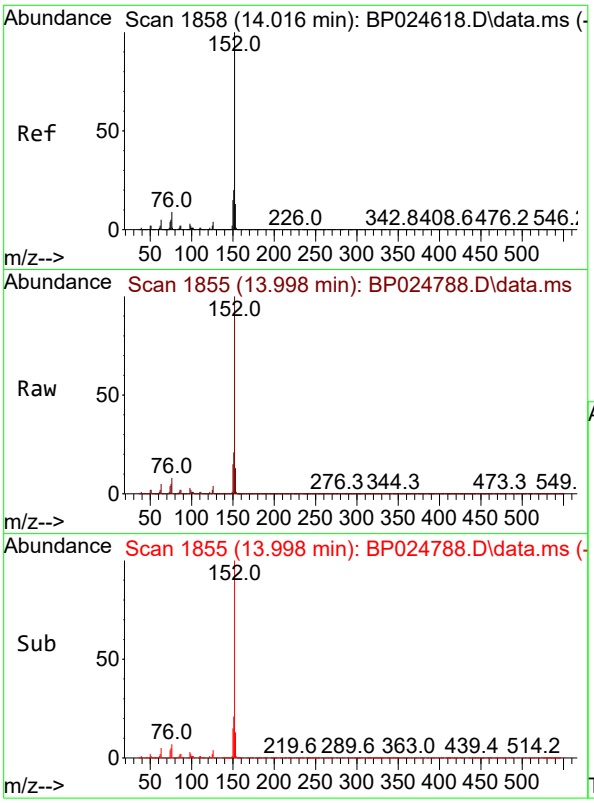


#48
2-Nitroaniline
Concen: 37.032 ng
RT: 13.357 min Scan# 1746
Delta R.T. -0.018 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion: 65 Resp: 138094

Ion	Ratio	Lower	Upper
65	100		
92	70.7	58.7	88.1
138	121.5	90.2	135.2

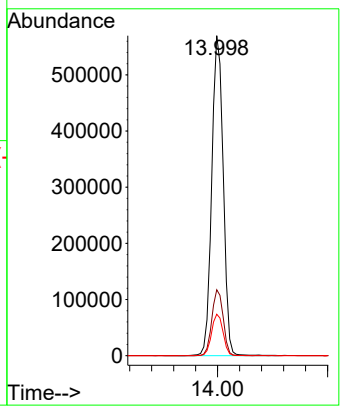




#49
Acenaphthylene
Concen: 39.218 ng
RT: 13.998 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:152 Resp: 82663

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.2	24.4
153	13.0	10.2	15.4



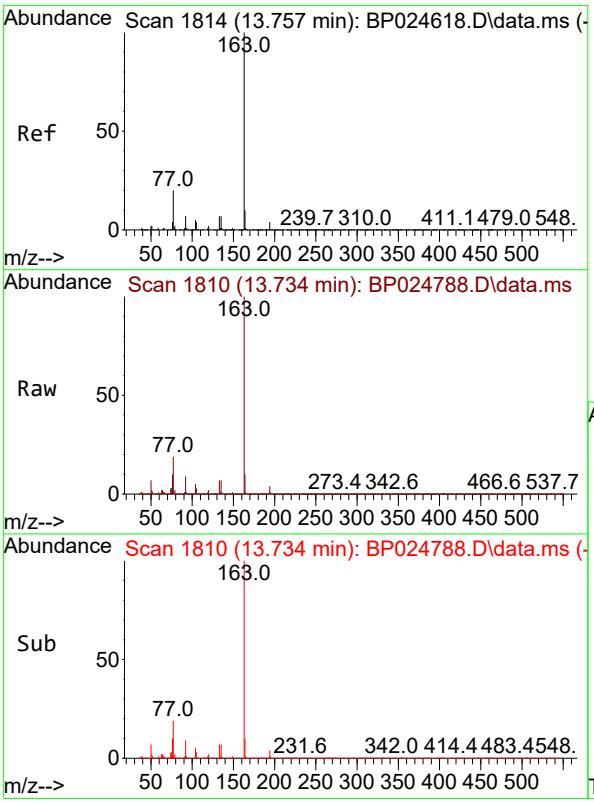
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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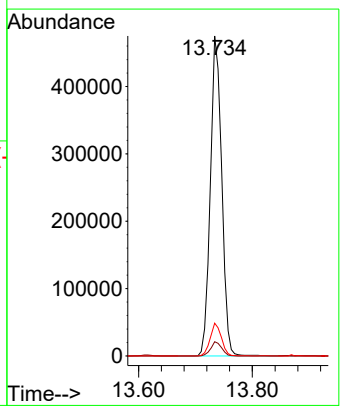
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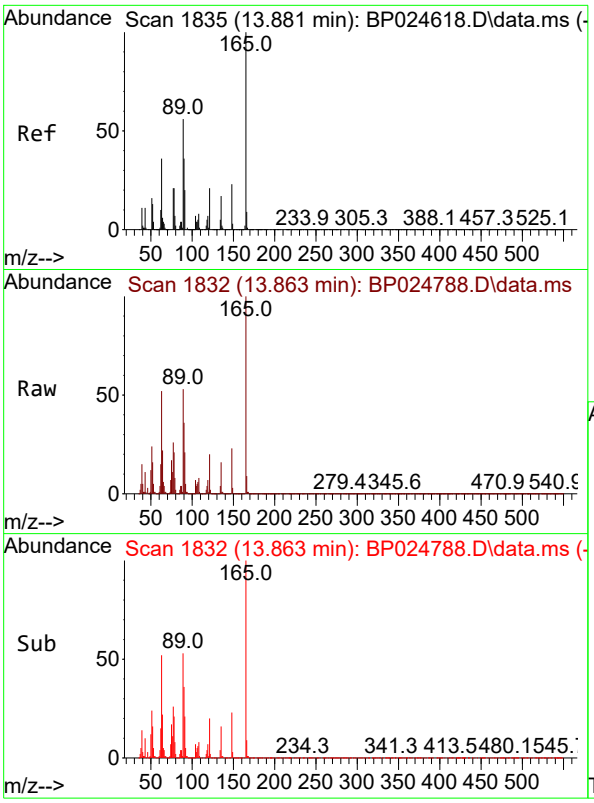


#50
Dimethylphthalate
Concen: 38.588 ng
RT: 13.734 min Scan# 1810
Delta R.T. -0.024 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:163 Resp: 657364

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.0
164	10.2	8.1	12.1





#51
2,6-Dinitrotoluene
Concen: 39.670 ng
RT: 13.863 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:165 Resp: 14272

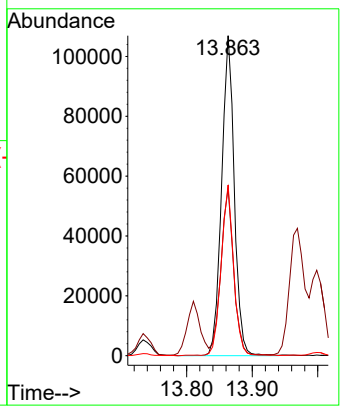
Ion	Ratio	Lower	Upper
165	100		
63	52.3	42.4	63.6
89	53.4	44.8	67.2

Instrument :
BNA_P
ClientSampleId :
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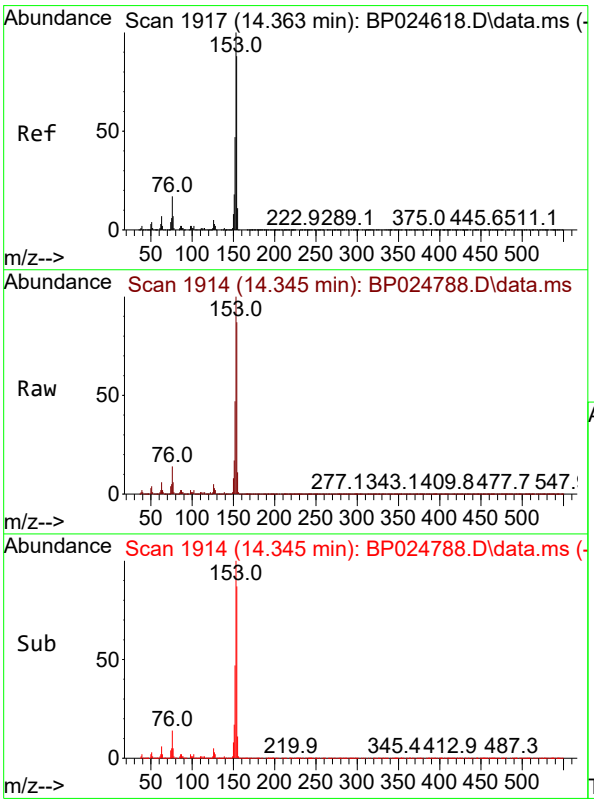
Reviewed By :Rahul Chavli

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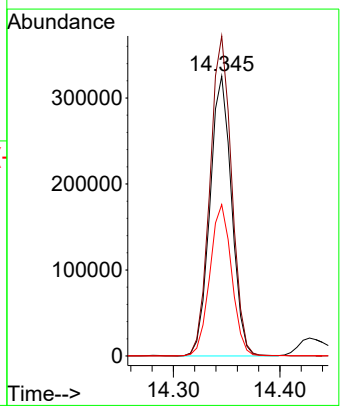
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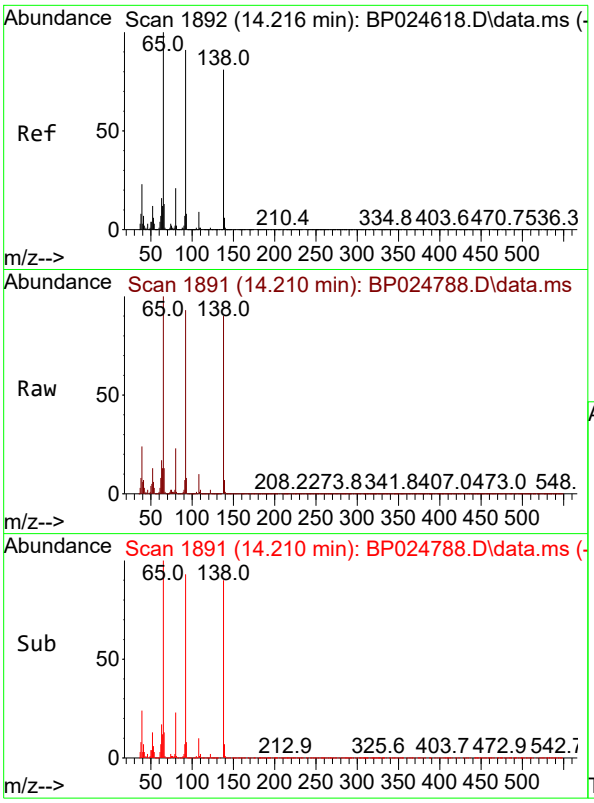


#52
Acenaphthene
Concen: 37.863 ng
RT: 14.345 min Scan# 1914
Delta R.T. -0.018 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:154 Resp: 458801

Ion	Ratio	Lower	Upper
154	100		
153	114.3	91.0	136.4
152	54.1	42.9	64.3

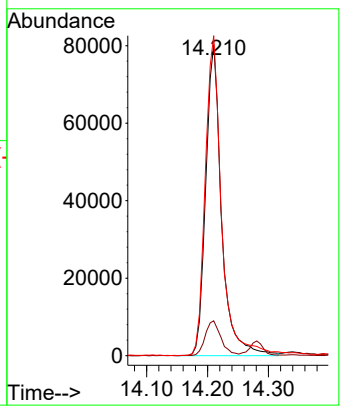




#53
3-Nitroaniline
Concen: 39.463 ng
RT: 14.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:138 Resp: 14497

Ion	Ratio	Lower	Upper
138	100		
108	11.2	9.0	13.4
92	102.9	90.1	135.1



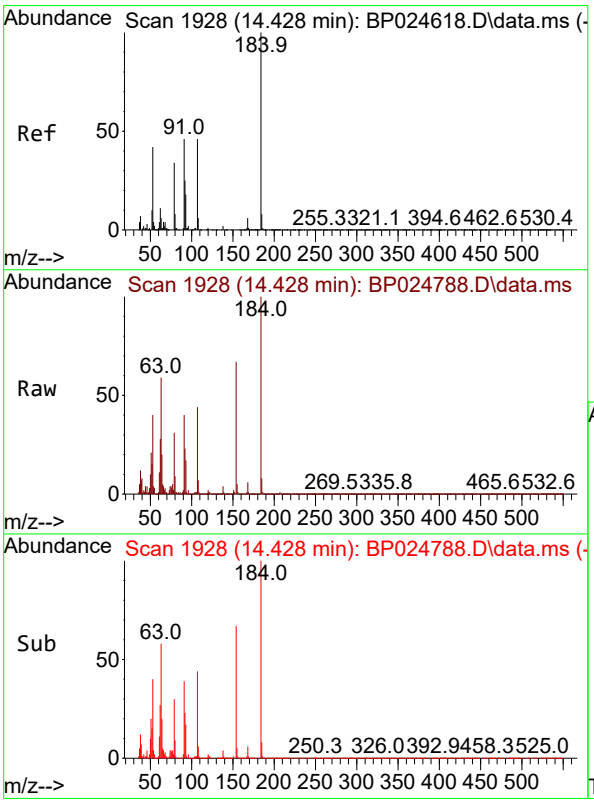
Instrument :
BNA_P
ClientSampleId :
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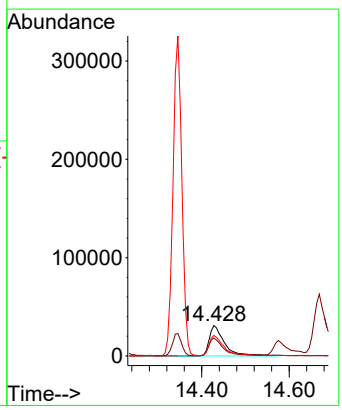
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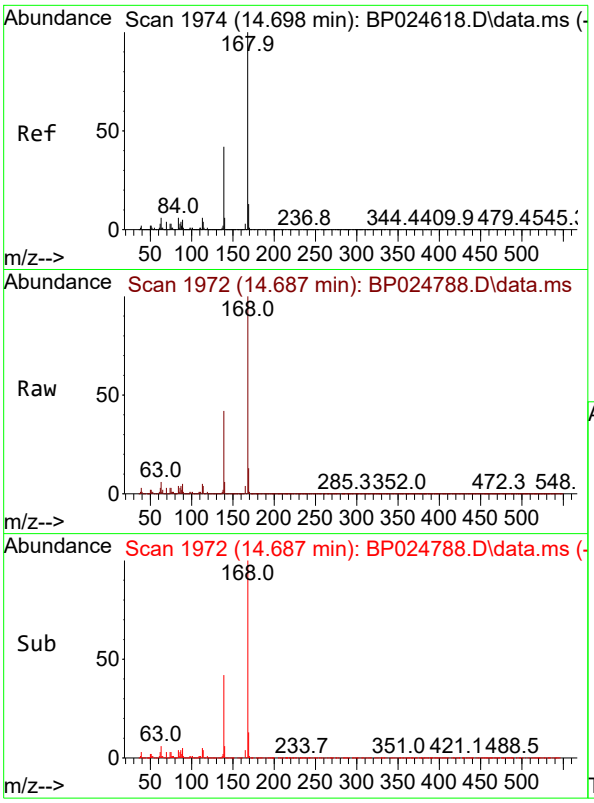


#54
2,4-Dinitrophenol
Concen: 36.684 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:184 Resp: 74679

Ion	Ratio	Lower	Upper
184	100		
63	58.9	51.3	76.9
154	67.2	53.5	80.3

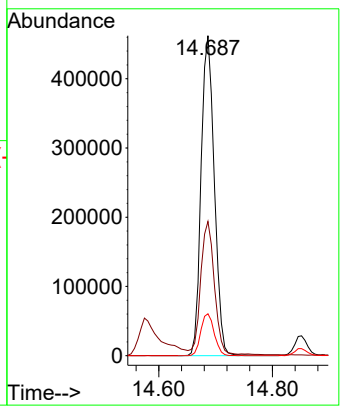




#55
Dibenzofuran
Concen: 38.561 ng
RT: 14.687 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:168 Resp: 74530

Ion	Ratio	Lower	Upper
168	100		
139	42.0	34.2	51.4
169	13.1	10.8	16.2



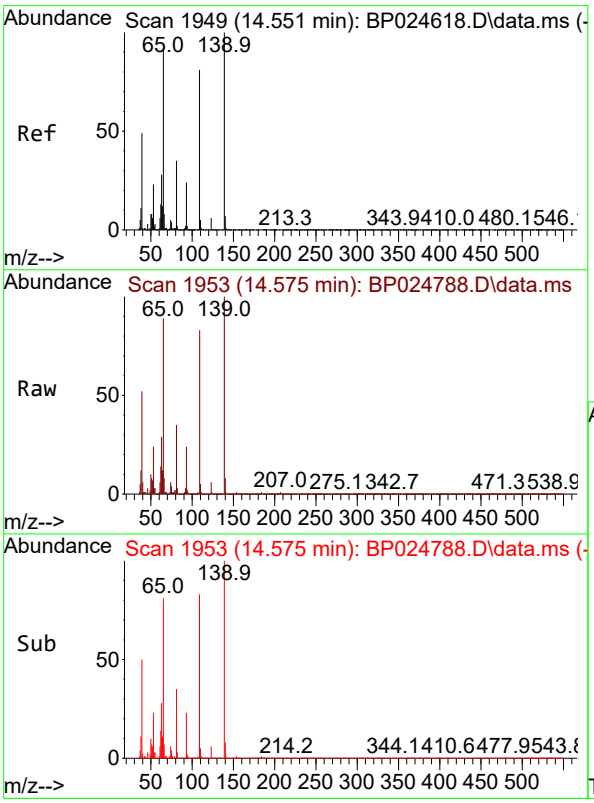
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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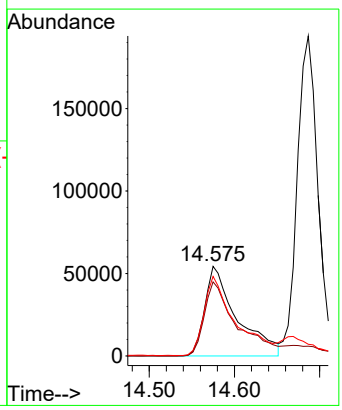
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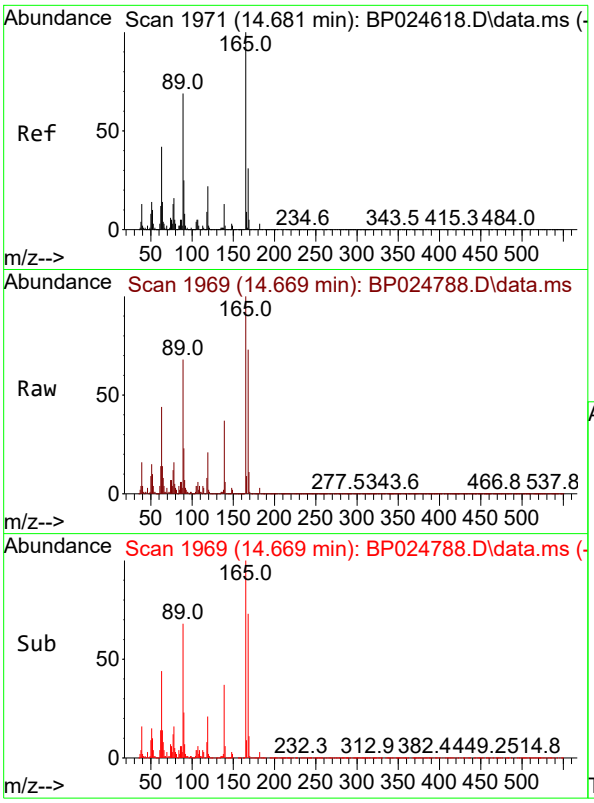


#56
4-Nitrophenol
Concen: 46.665 ng
RT: 14.575 min Scan# 1953
Delta R.T. 0.024 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:139 Resp: 142487

Ion	Ratio	Lower	Upper
139	100		
109	82.7	61.4	101.4
65	88.8	72.2	112.2

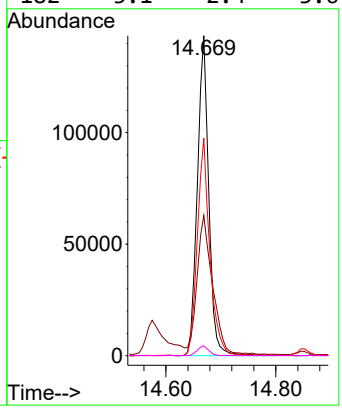




#57
2,4-Dinitrotoluene
Concen: 40.790 ng
RT: 14.669 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:165 Resp: 20689

Ion	Ratio	Lower	Upper
165	100		
63	43.8	33.8	50.6
89	68.0	55.6	83.4
182	3.1	2.4	3.6



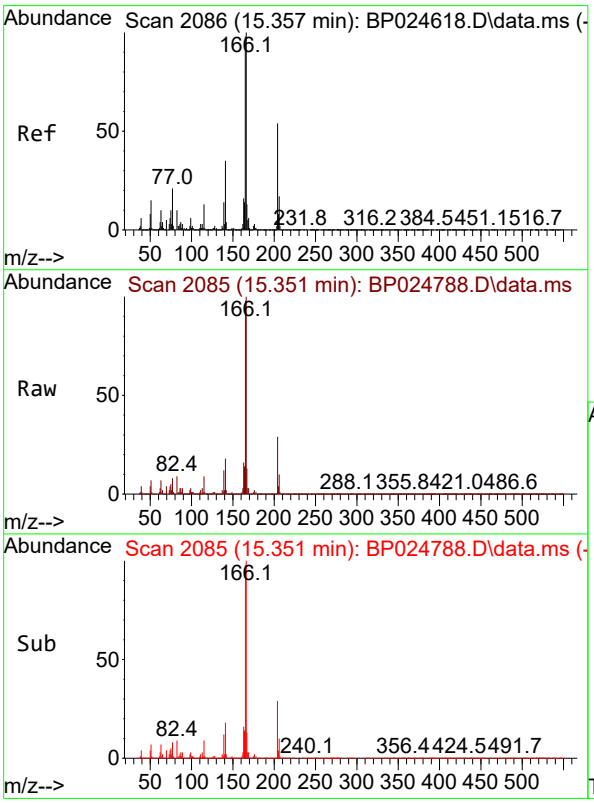
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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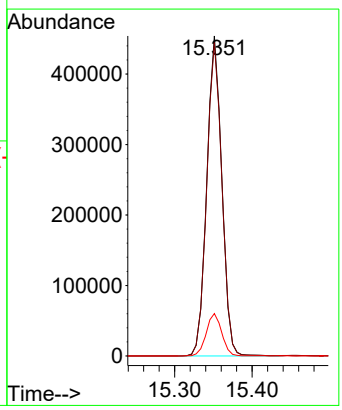
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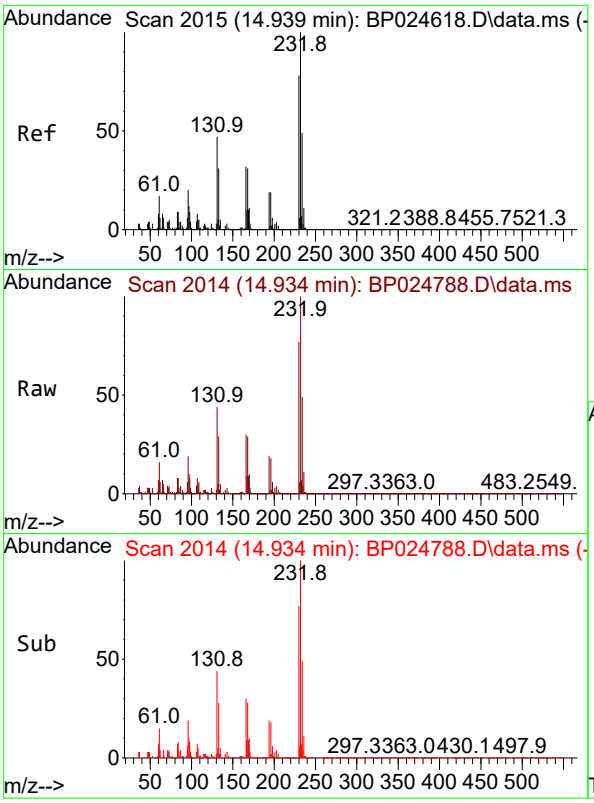


#58
Fluorene
Concen: 38.894 ng
RT: 15.351 min Scan# 2085
Delta R.T. -0.006 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:166 Resp: 612974

Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.5	117.7
167	13.2	10.7	16.1

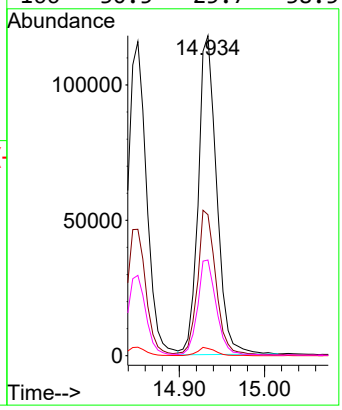




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.732 ng
RT: 14.934 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:232 Resp: 17681

Ion	Ratio	Lower	Upper
232	100		
131	45.5	39.5	59.3
130	2.6	2.2	3.4
166	30.5	25.7	38.5

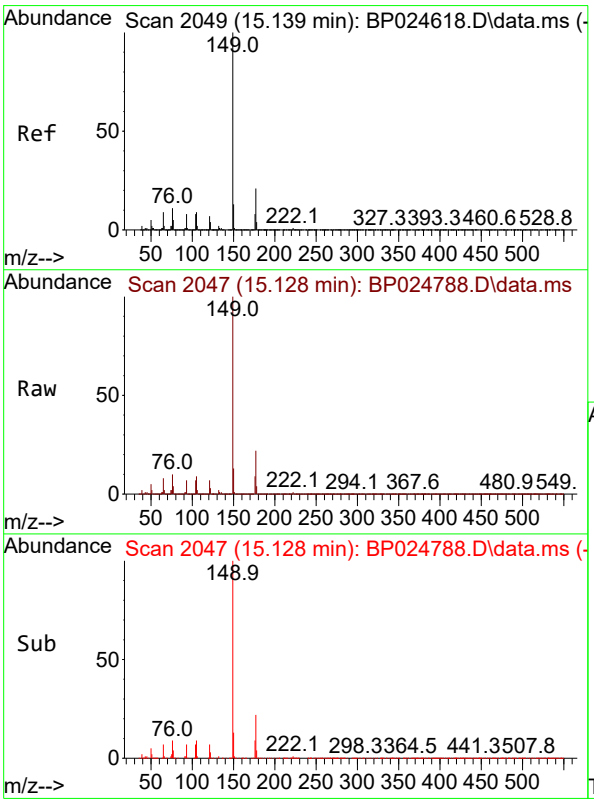


Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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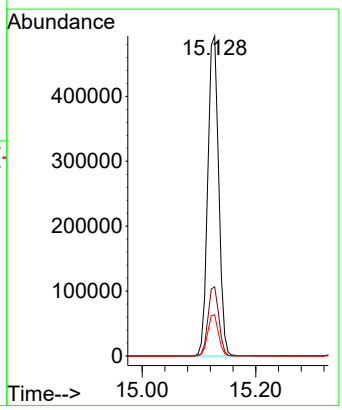
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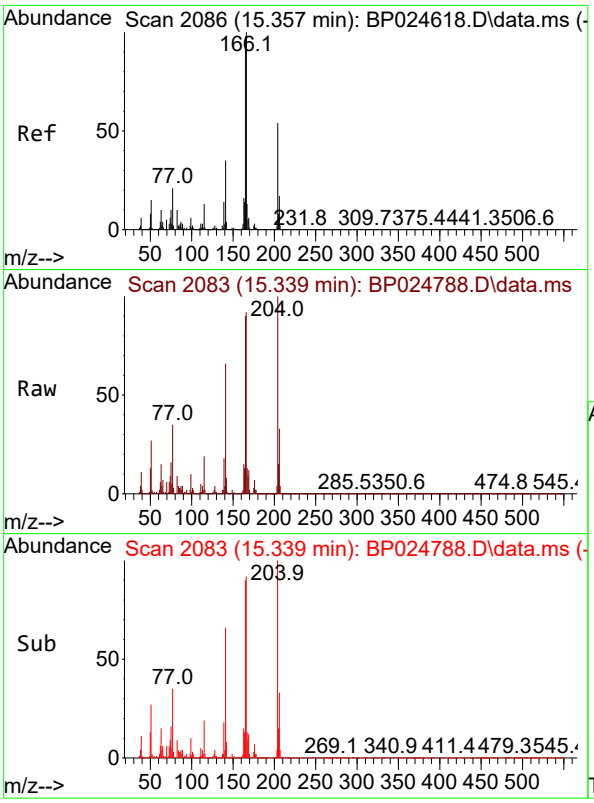
#60
Diethylphthalate
Concen: 37.991 ng
RT: 15.128 min Scan# 2047
Delta R.T. -0.012 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:149 Resp: 654121

Ion	Ratio	Lower	Upper
149	100		
177	21.6	16.7	25.1
150	12.8	10.2	15.2



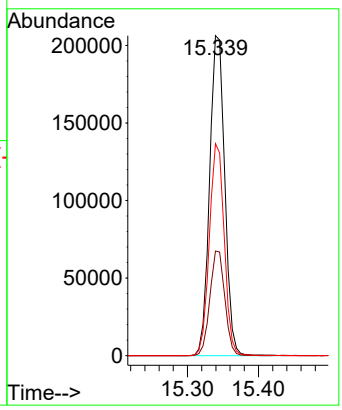
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#61
4-Chlorophenyl-phenylether
Concen: 38.894 ng
RT: 15.339 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:204 Resp: 30568

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.0	39.0
141	66.2	52.9	79.3



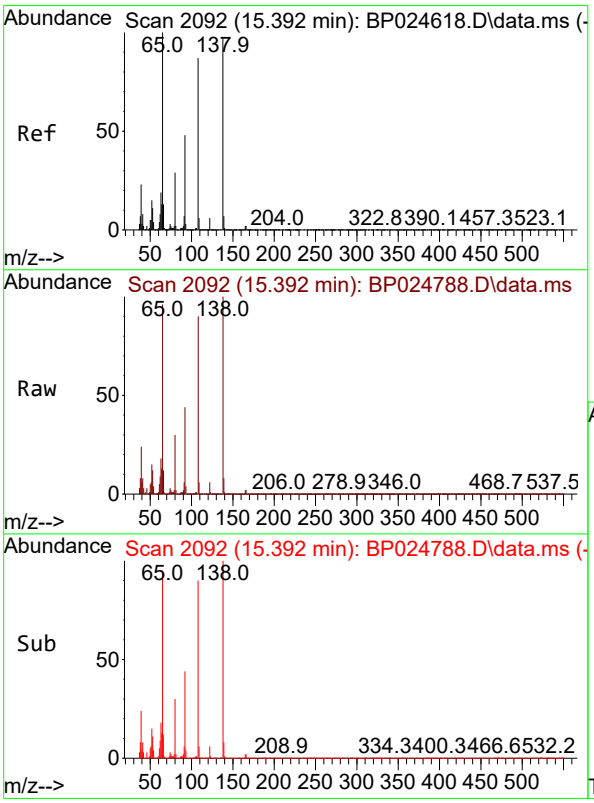
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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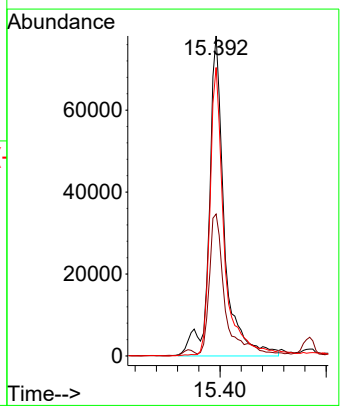
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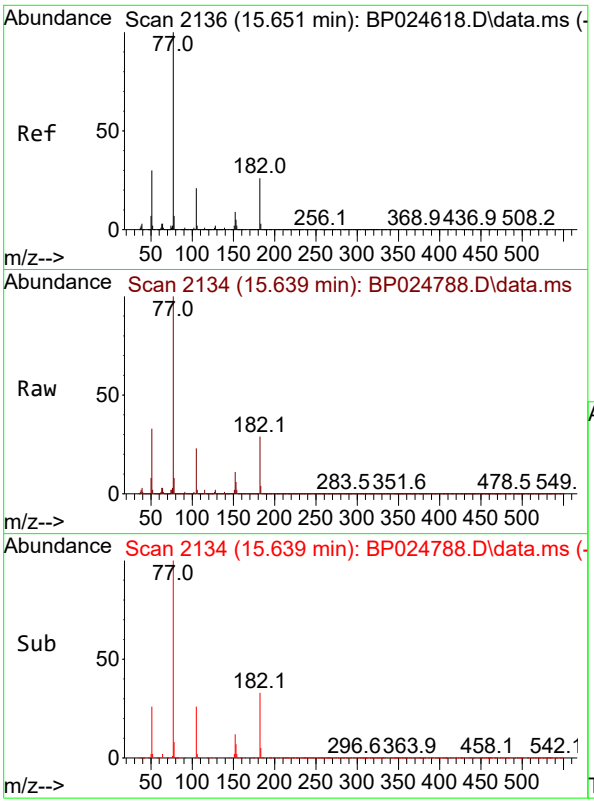


#62
4-Nitroaniline
Concen: 43.848 ng m
RT: 15.392 min Scan# 2092
Delta R.T. 0.000 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:138 Resp: 155534

Ion	Ratio	Lower	Upper
138	100		
92	44.4	29.2	69.2
108	90.1	69.0	109.0

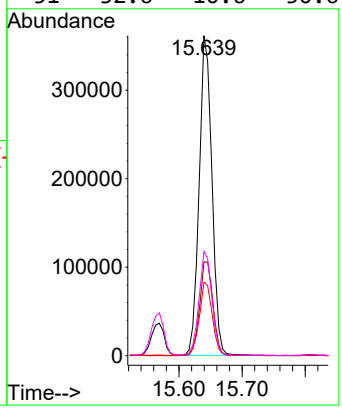




#63
Azobenzene
Concen: 34.460 ng
RT: 15.639 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion: 77 Resp: 50758

Ion	Ratio	Lower	Upper
77	100		
182	29.2	5.7	45.7
105	23.0	1.3	41.3
51	32.6	10.6	50.6



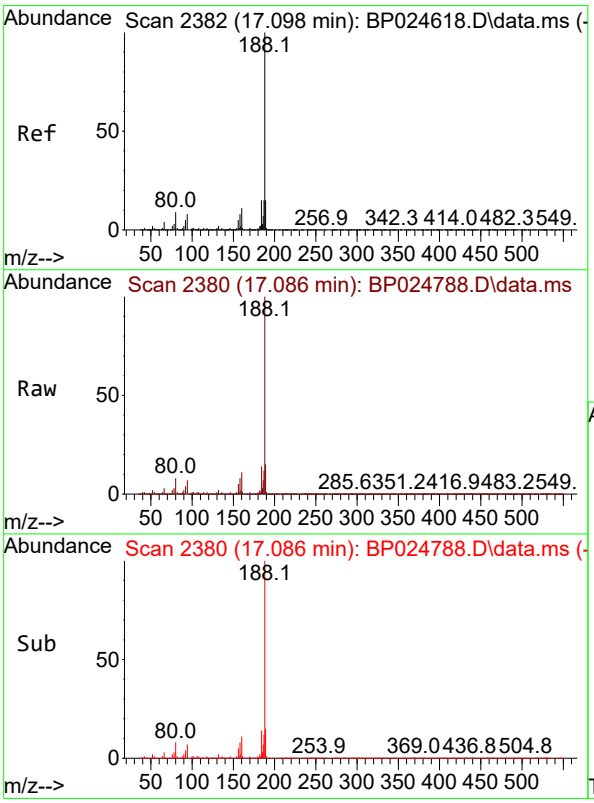
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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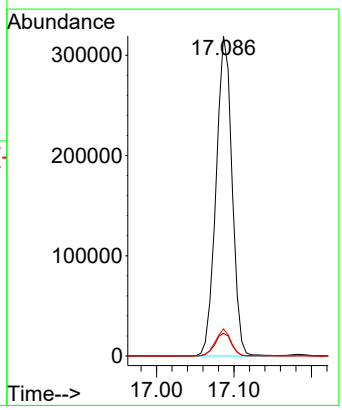
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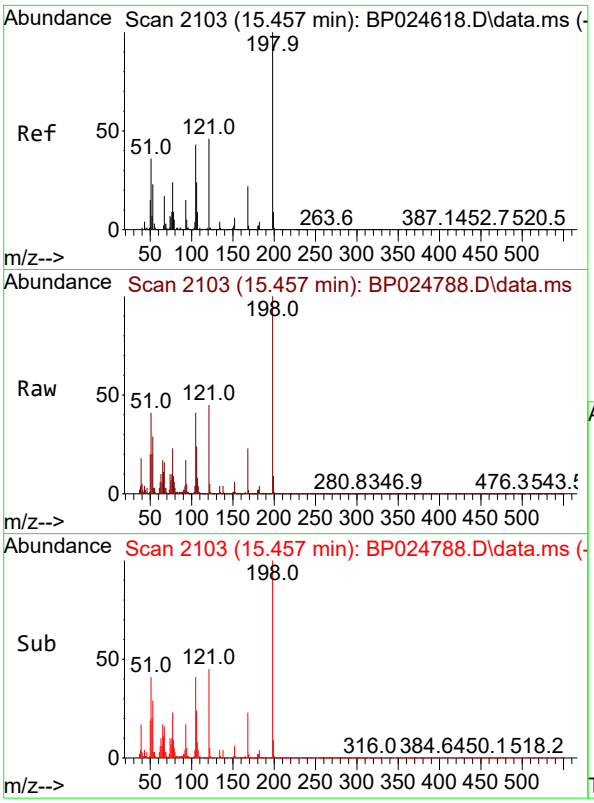


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.086 min Scan# 2380
Delta R.T. -0.012 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:188 Resp: 457187

Ion	Ratio	Lower	Upper
188	100		
94	7.0	6.5	9.7
80	8.5	7.3	10.9





#65
4,6-Dinitro-2-methylphenol
Concen: 40.201 ng
RT: 15.457 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:198 Resp: 11871

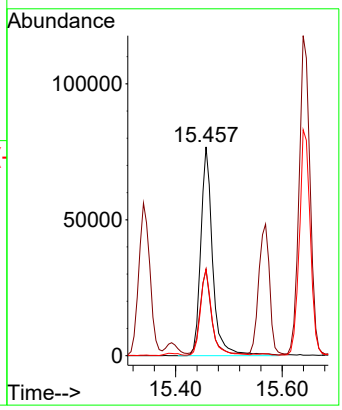
Ion	Ratio	Lower	Upper
198	100		
51	41.4	21.1	61.1
105	41.3	23.6	63.6

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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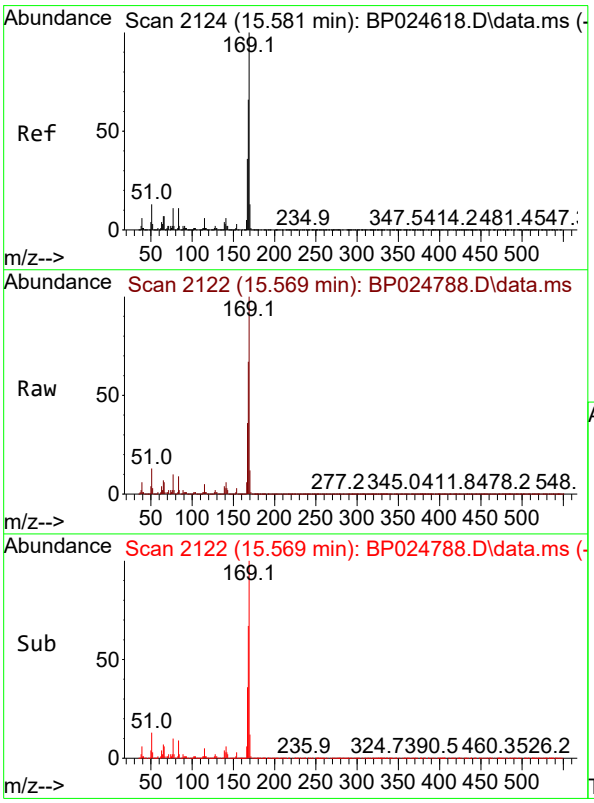
Reviewed By :Rahul Chavli

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Supervised By :Jagrut Upadhyay

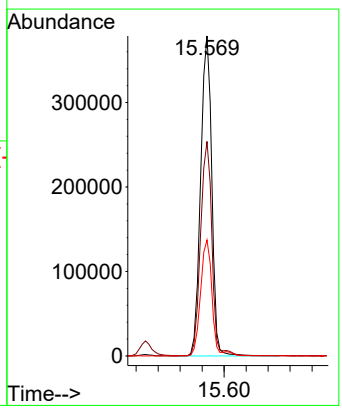
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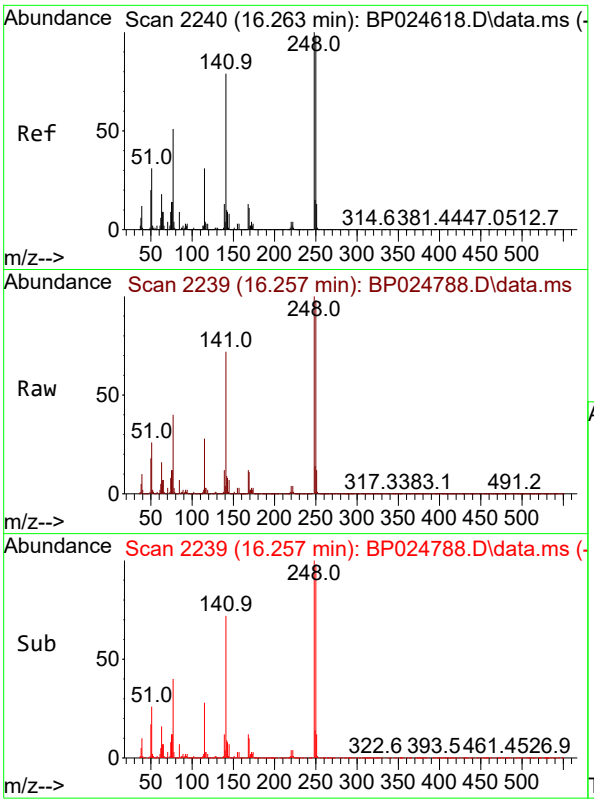


#66
n-Nitrosodiphenylamine
Concen: 37.796 ng
RT: 15.569 min Scan# 2122
Delta R.T. -0.012 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:169 Resp: 530766

Ion	Ratio	Lower	Upper
169	100		
168	67.1	53.2	79.8
167	36.2	28.6	43.0

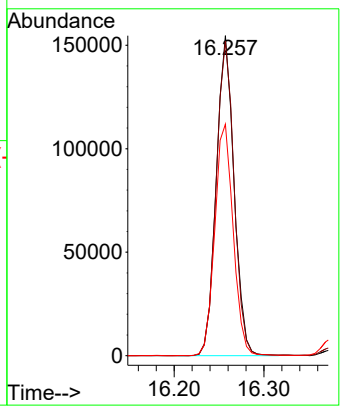




#67
4-Bromophenyl-phenylether
Concen: 39.462 ng
RT: 16.257 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:248 Resp: 21259

Ion	Ratio	Lower	Upper
248	100		
250	98.3	78.2	117.4
141	72.3	63.0	94.6



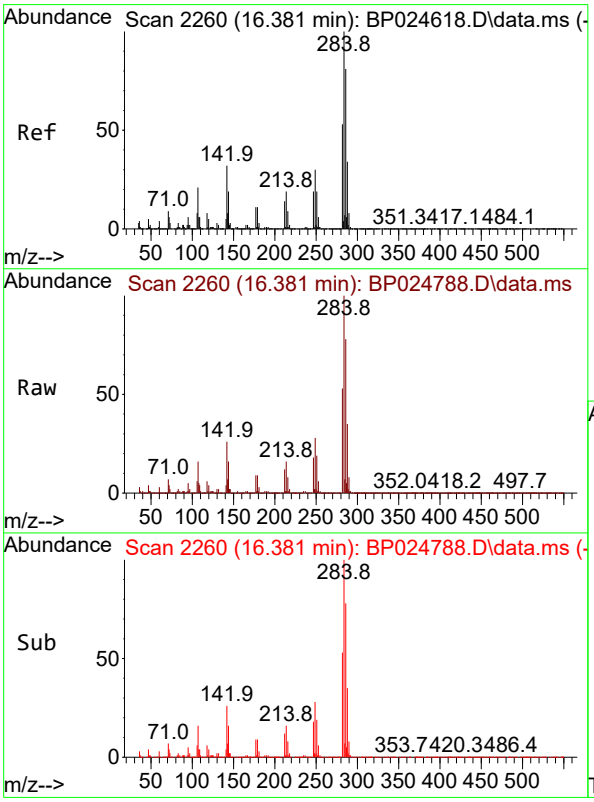
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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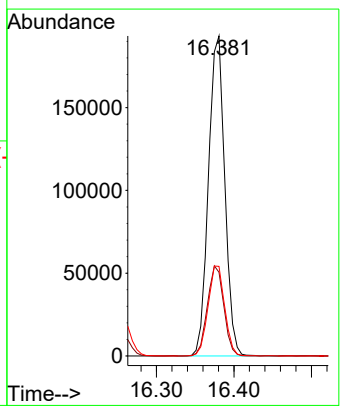
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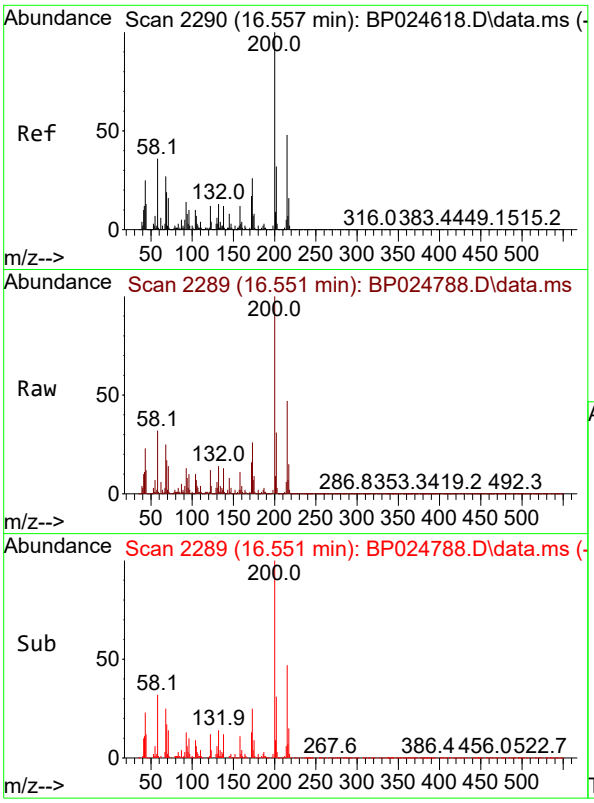


#68
Hexachlorobenzene
Concen: 41.268 ng
RT: 16.381 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:284 Resp: 282500

Ion	Ratio	Lower	Upper
284	100		
142	26.2	25.9	38.9
249	28.0	24.1	36.1

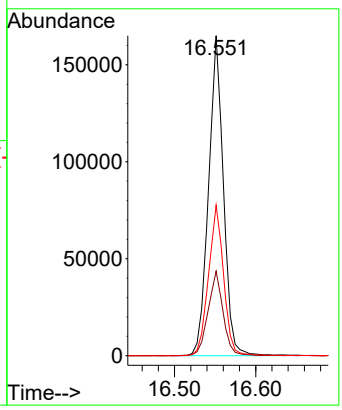




#69
Atrazine
Concen: 40.722 ng
RT: 16.551 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:200 Resp: 20956

Ion	Ratio	Lower	Upper
200	100		
173	26.4	5.9	45.9
215	47.0	28.3	68.3



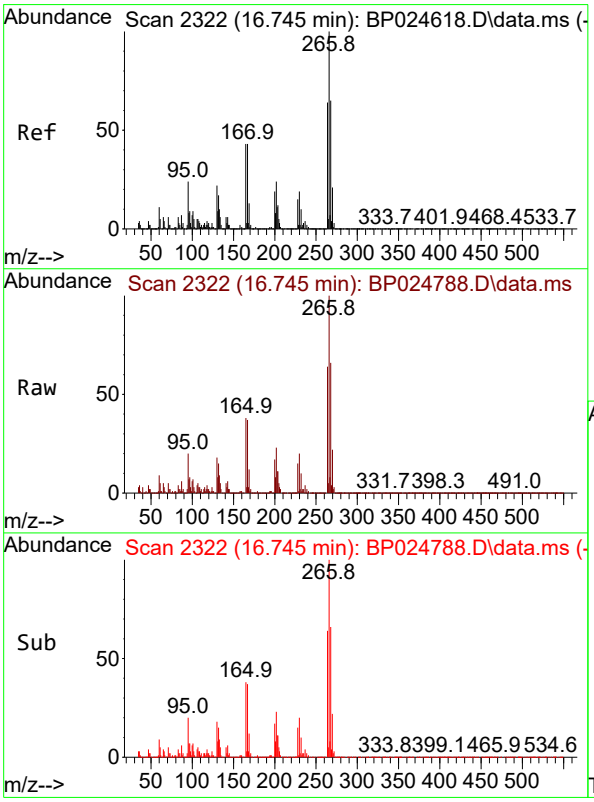
Instrument :
BNA_P
ClientSampleId :
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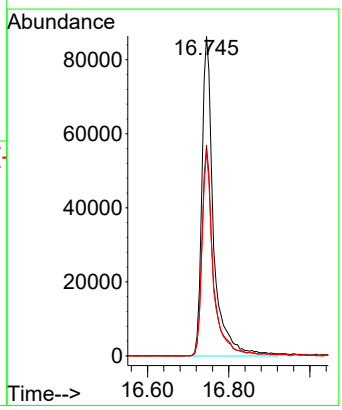
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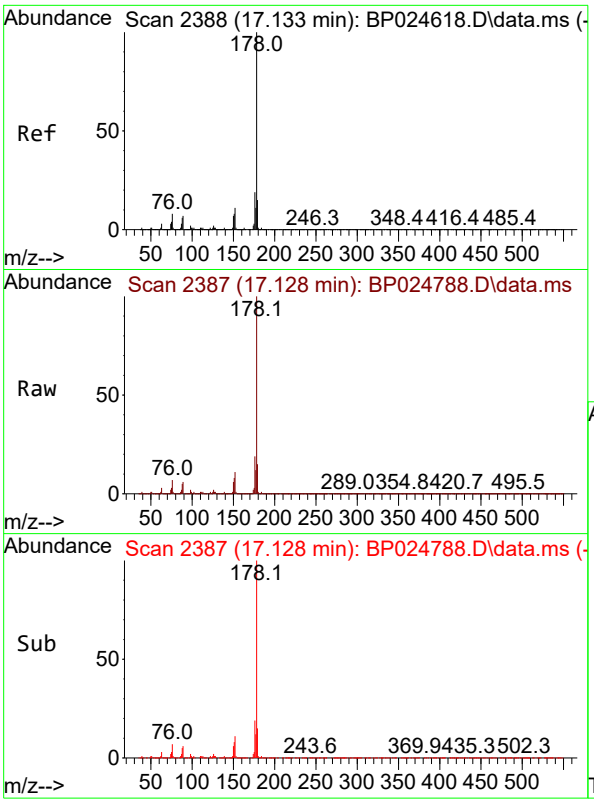


#70
Pentachlorophenol
Concen: 44.710 ng
RT: 16.745 min Scan# 2322
Delta R.T. 0.000 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:266 Resp: 171807

Ion	Ratio	Lower	Upper
266	100		
268	65.8	52.2	78.4
264	64.1	51.1	76.7

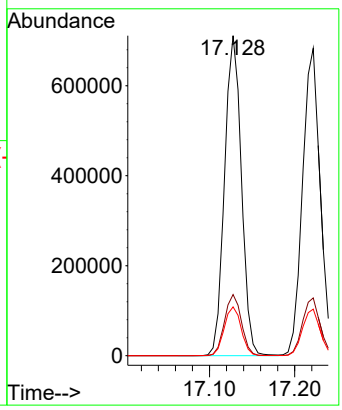




#71
Phenanthrene
Concen: 38.424 ng
RT: 17.128 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:178 Resp: 97657

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	15.2	12.2	18.4



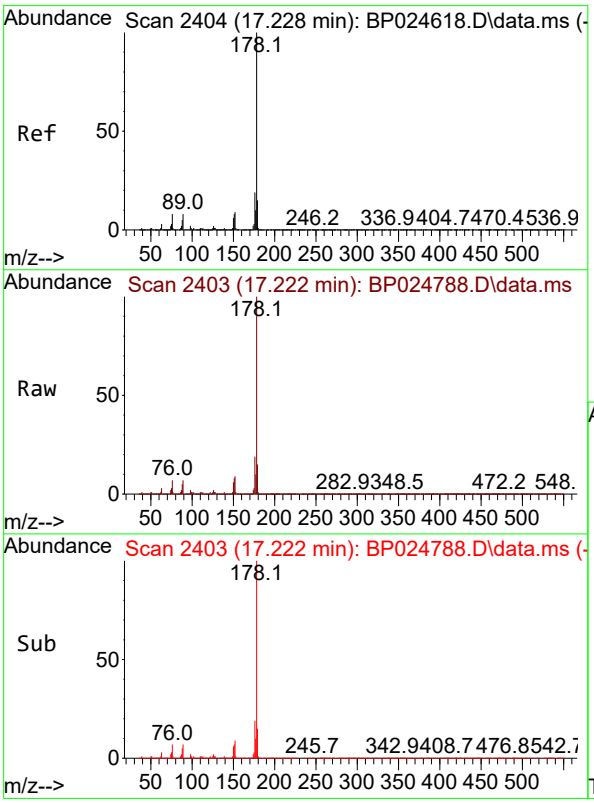
Instrument :
BNA_P
ClientSampleId :
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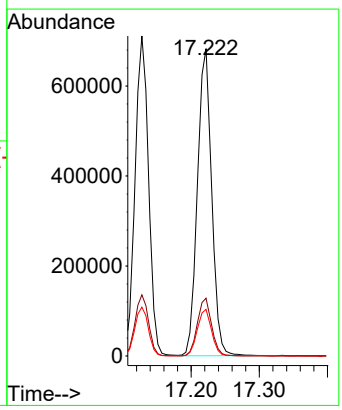
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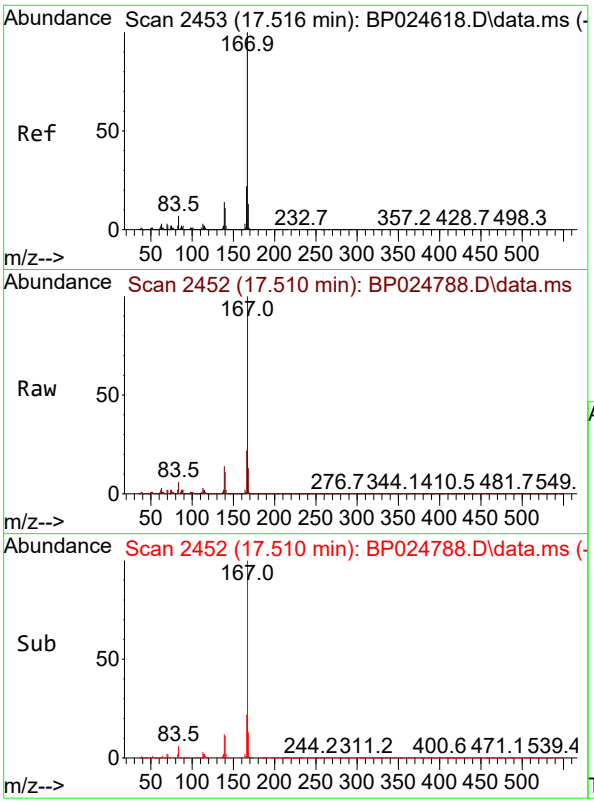


#72
Anthracene
Concen: 38.674 ng
RT: 17.222 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:178 Resp: 988928

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.2	12.2	18.2

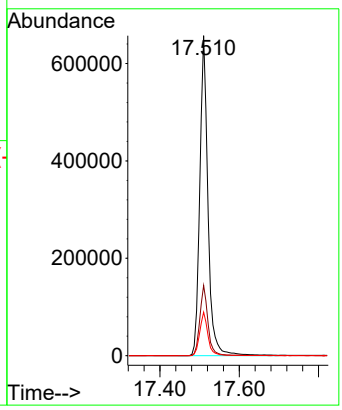




#73
Carbazole
Concen: 40.545 ng
RT: 17.510 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:167 Resp: 93838

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.7	26.5
139	13.6	11.3	16.9



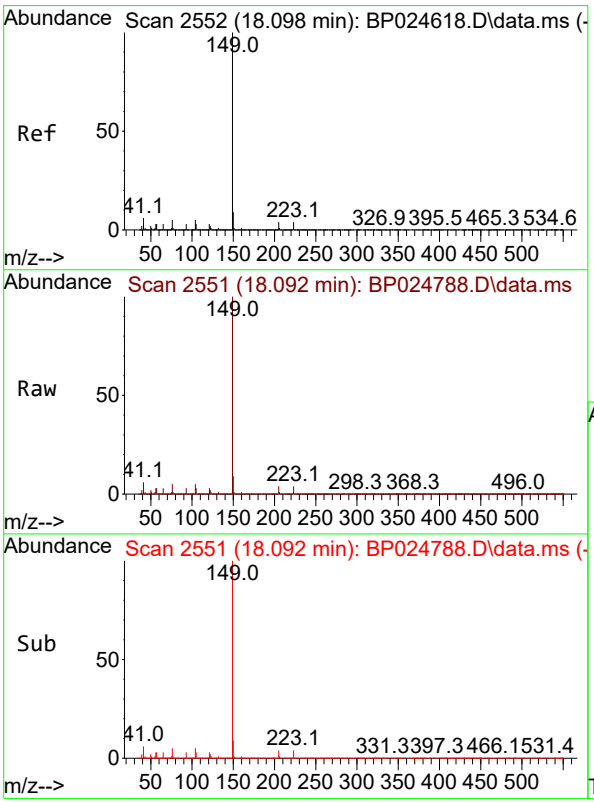
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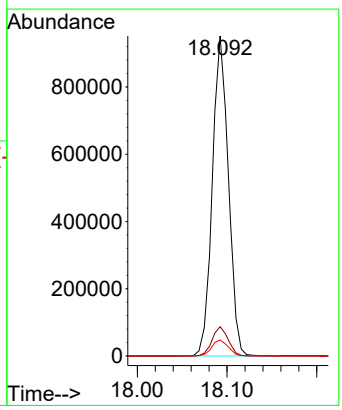
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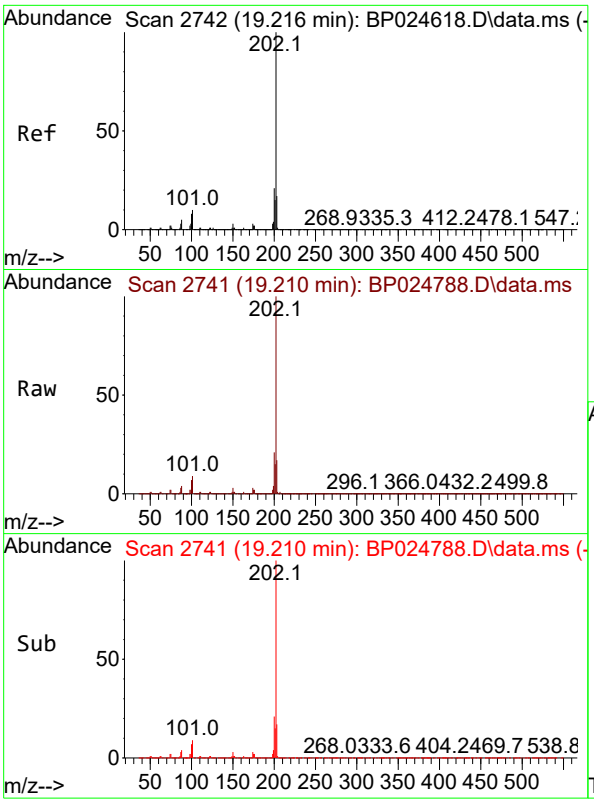


#74
Di-n-butylphthalate
Concen: 39.695 ng
RT: 18.092 min Scan# 2551
Delta R.T. -0.006 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:149 Resp: 1181544

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.2	10.8
104	5.0	4.3	6.5

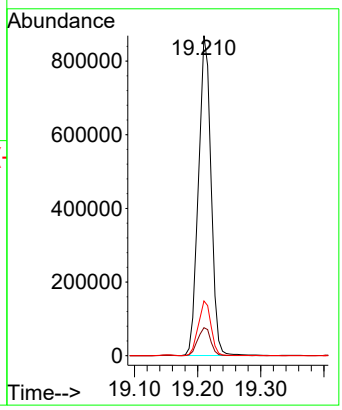




#75
Fluoranthene
Concen: 40.437 ng
RT: 19.210 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:202 Resp: 120135

Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	30.3
203	17.1	0.0	37.5



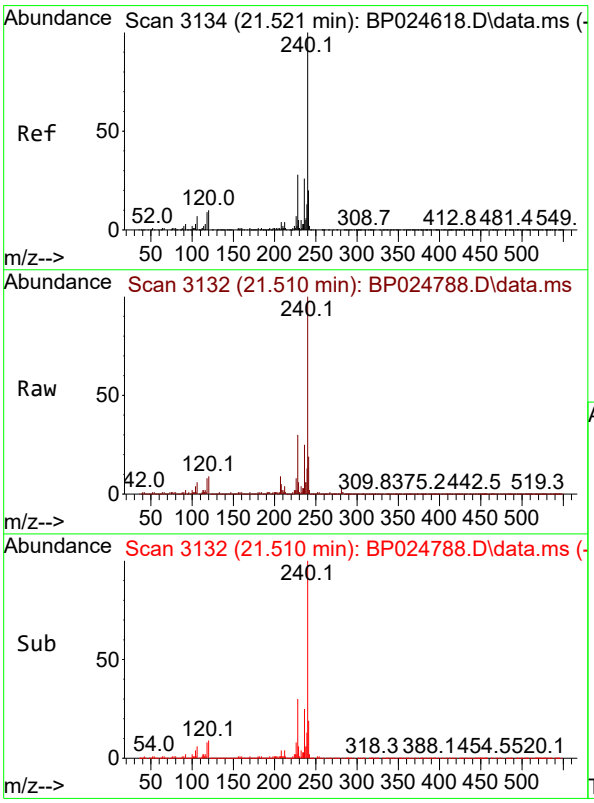
Instrument :
BNA_P
ClientSampleId :
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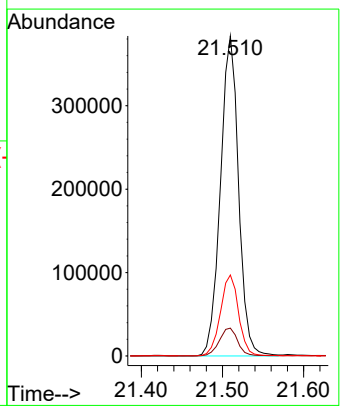
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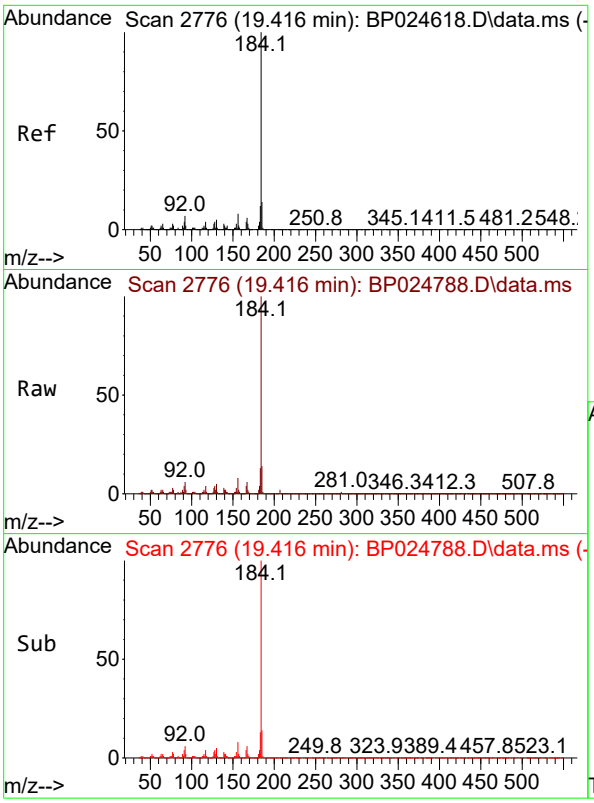


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.510 min Scan# 3132
Delta R.T. -0.012 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:240 Resp: 596427

Ion	Ratio	Lower	Upper
240	100		
120	8.7	7.8	11.6
236	25.3	20.6	31.0

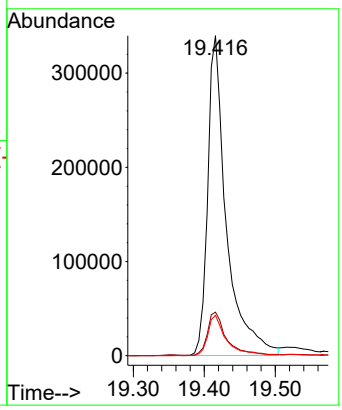




#77
Benzidine
Concen: 38.306 ng
RT: 19.416 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:184 Resp: 62225

Ion	Ratio	Lower	Upper
184	100		
185	13.6	11.2	16.8
183	12.6	9.8	14.8



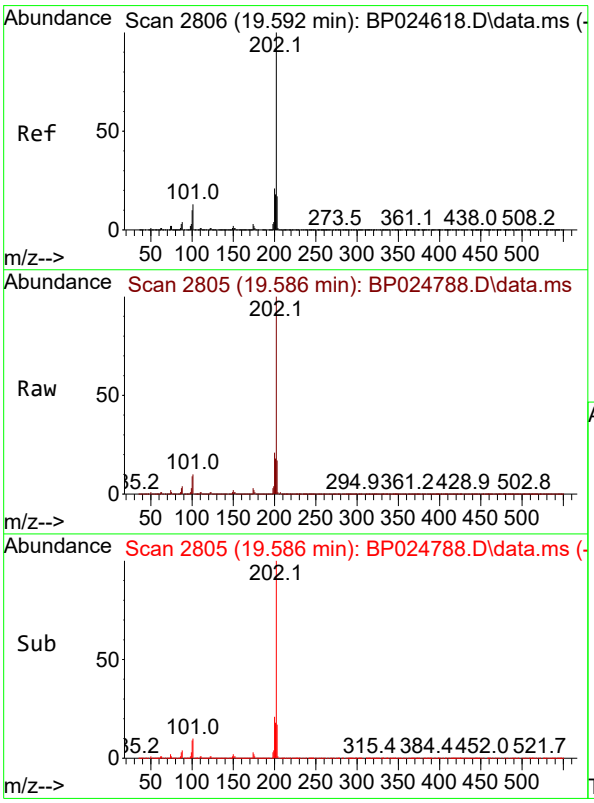
Instrument :
BNA_P
ClientSampleId :
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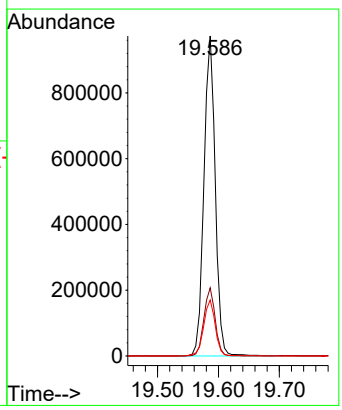
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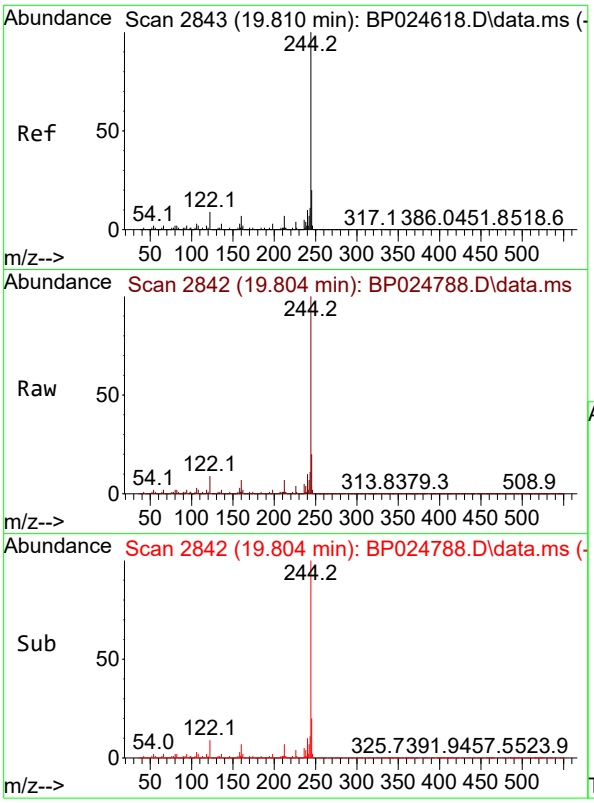


#78
Pyrene
Concen: 35.160 ng
RT: 19.586 min Scan# 2805
Delta R.T. -0.006 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:202 Resp: 1256486

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.9	25.3
203	17.5	13.9	20.9

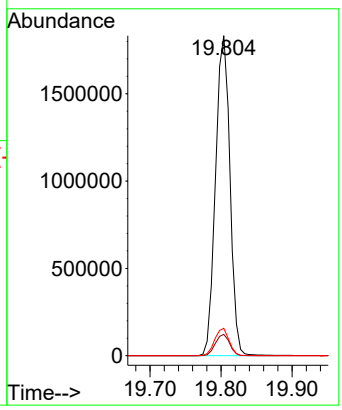




#79
Terphenyl-d14
Concen: 73.901 ng
RT: 19.804 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:244 Resp: 257052

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.5	8.3
122	8.5	7.4	11.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

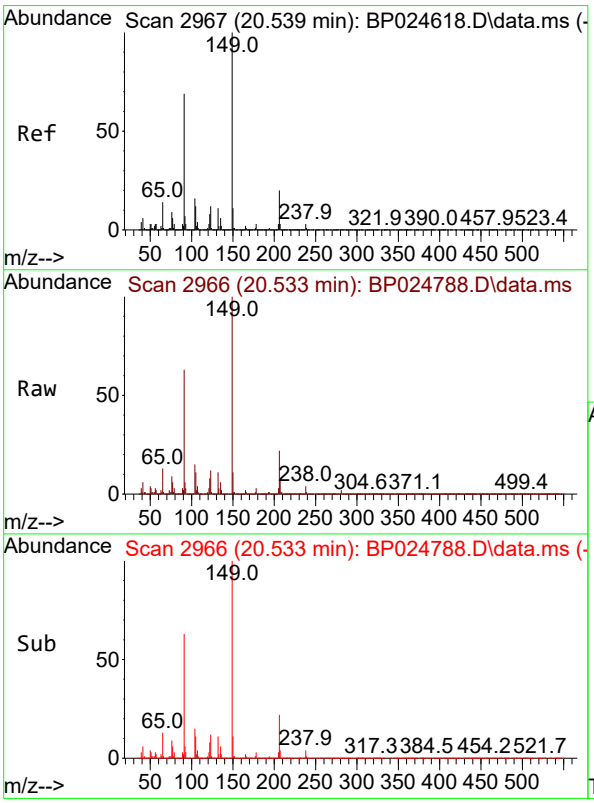
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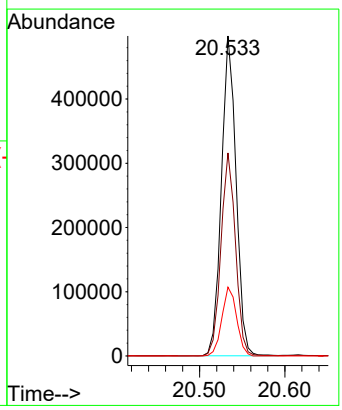
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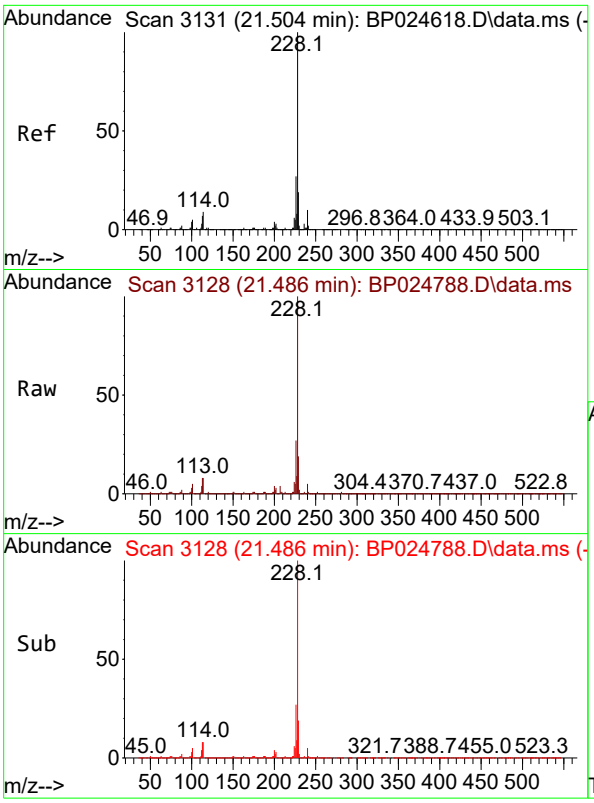


#80
Butylbenzylphthalate
Concen: 37.391 ng
RT: 20.533 min Scan# 2966
Delta R.T. -0.006 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:149 Resp: 594274

Ion	Ratio	Lower	Upper
149	100		
91	63.5	55.4	83.0
206	21.5	16.2	24.2

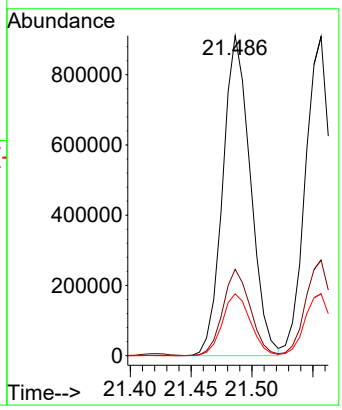




#81
Benzo(a)anthracene
Concen: 38.409 ng
RT: 21.486 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:228 Resp: 143841

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.4	32.0
229	19.4	15.5	23.3



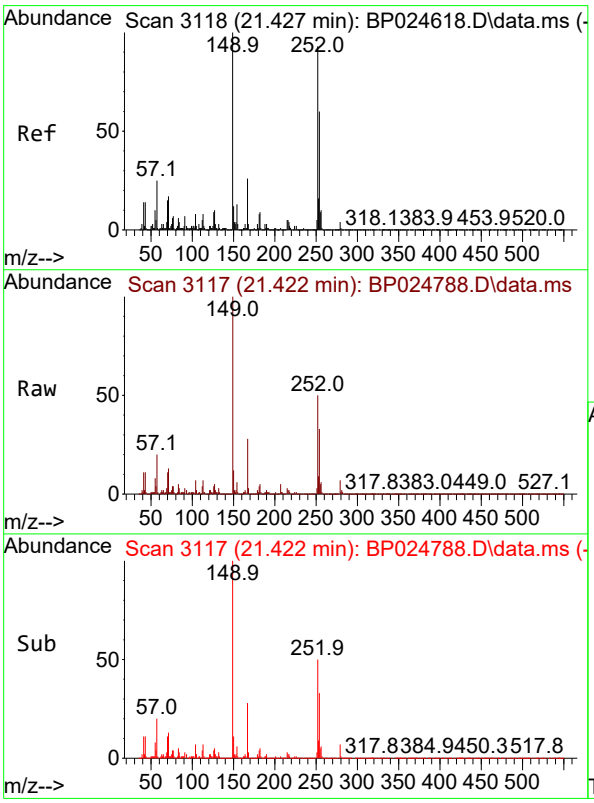
Instrument :
BNA_P
ClientSampleId :
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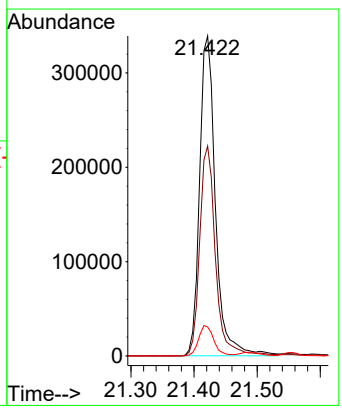
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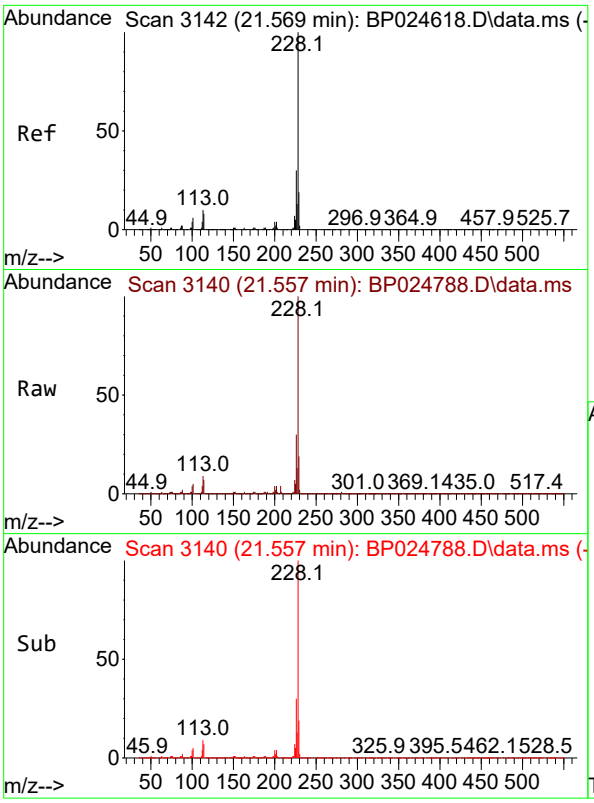


#82
3,3'-Dichlorobenzidine
Concen: 42.694 ng
RT: 21.422 min Scan# 3117
Delta R.T. -0.006 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:252 Resp: 593871

Ion	Ratio	Lower	Upper
252	100		
254	65.6	51.8	77.6
126	9.0	7.7	11.5

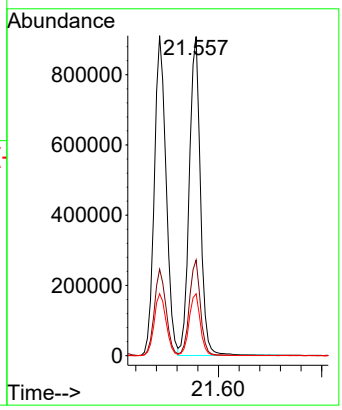




#83
Chrysene
Concen: 38.121 ng
RT: 21.557 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:228 Resp: 135335

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.9	35.9
229	19.4	15.5	23.3



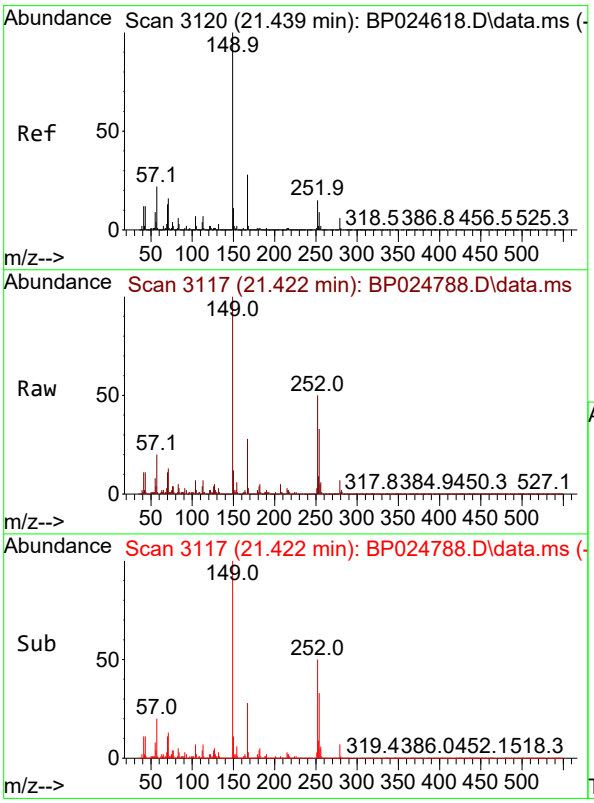
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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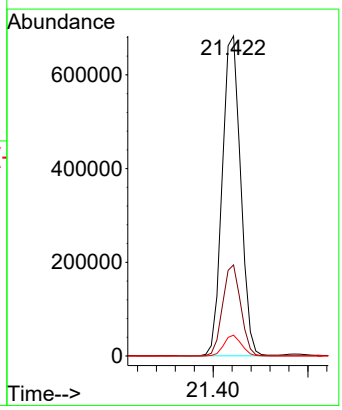
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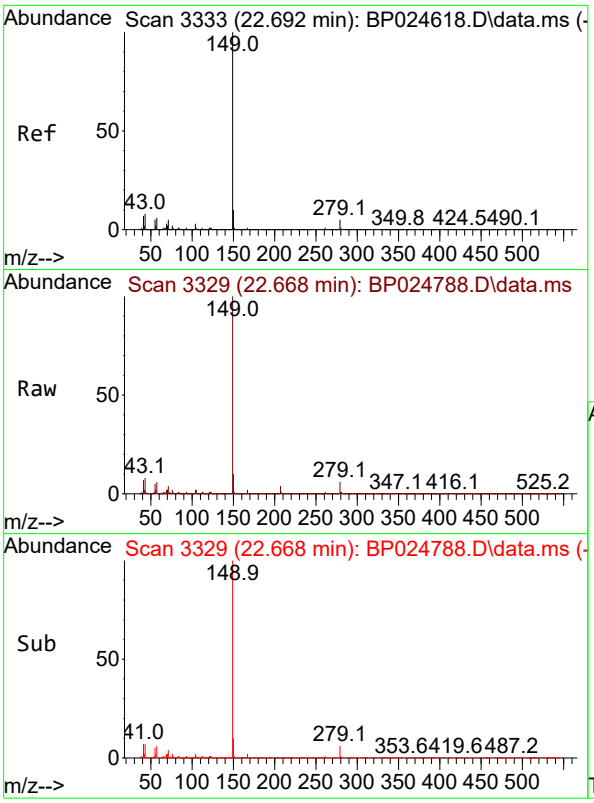


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.448 ng
RT: 21.422 min Scan# 3117
Delta R.T. -0.018 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:149 Resp: 921536

Ion	Ratio	Lower	Upper
149	100		
167	28.5	22.1	33.1
279	6.5	4.6	6.8





#85
Di-n-octyl phthalate
Concen: 42.221 ng
RT: 22.668 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

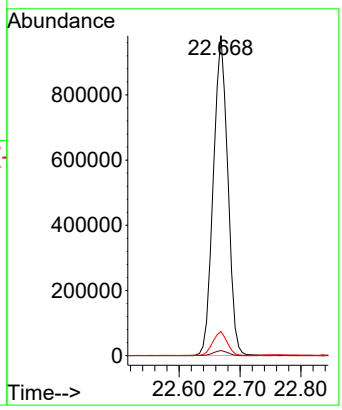
Tgt Ion:149 Resp: 161290

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.5	6.3	9.5

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

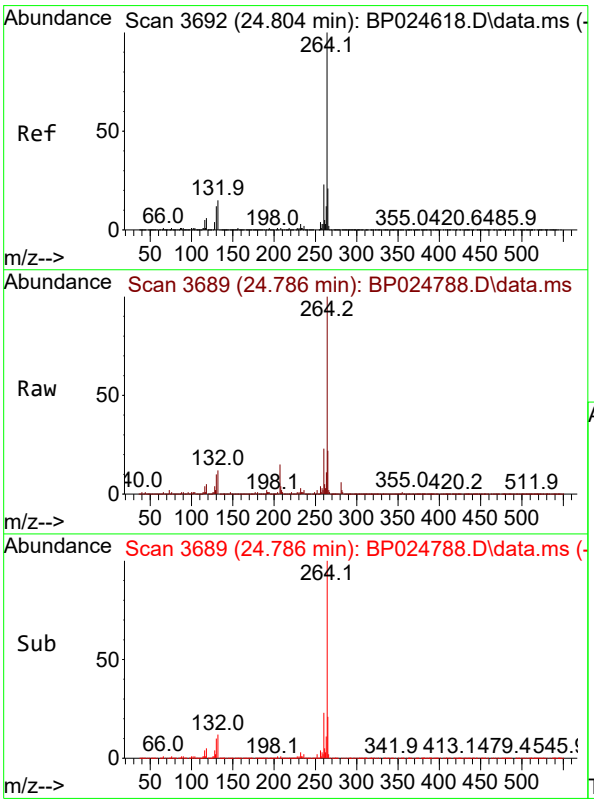
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli



05/27/2025
Supervised By :Jagrut Upadhyay

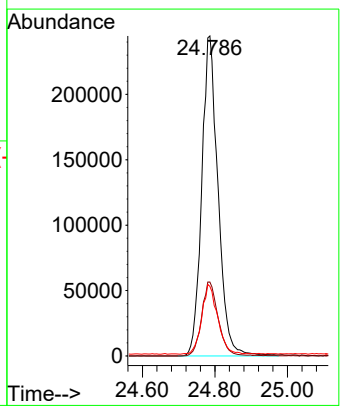
05/27/2025

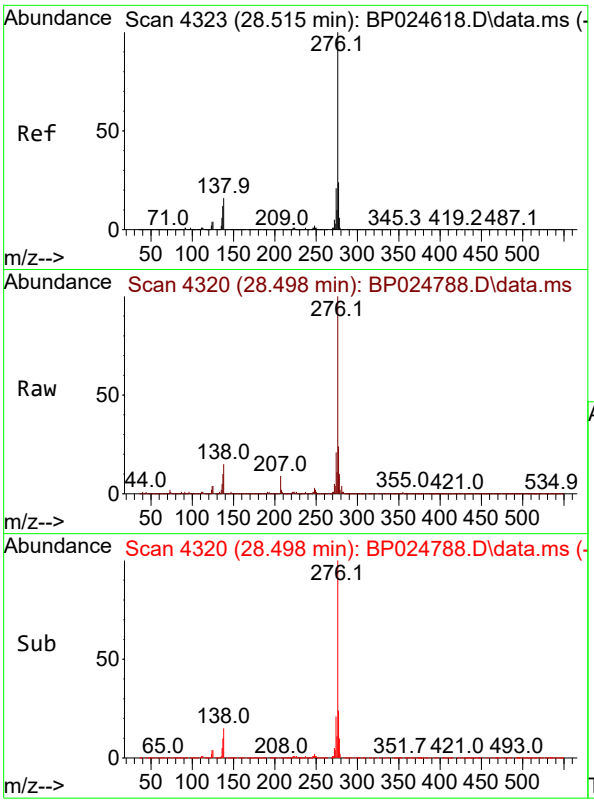


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.786 min Scan# 3689
Delta R.T. -0.018 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:264 Resp: 763679

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	21.8	17.0	25.6

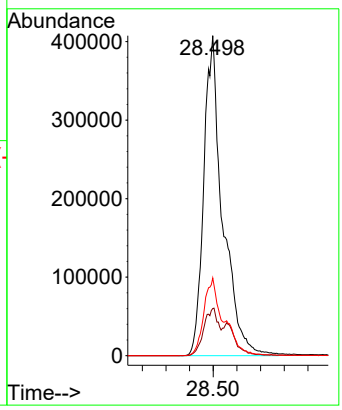




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.563 ng
RT: 28.498 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:276 Resp: 226148

Ion	Ratio	Lower	Upper
276	100		
138	11.5	11.2	16.8
277	19.2	15.7	23.5



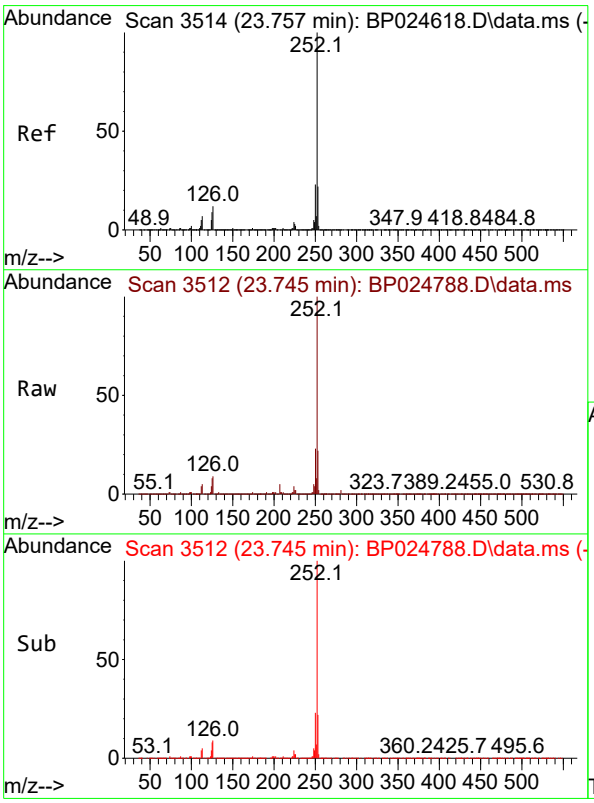
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

05/27/2025
Supervised By :Jagrut Upadhyay

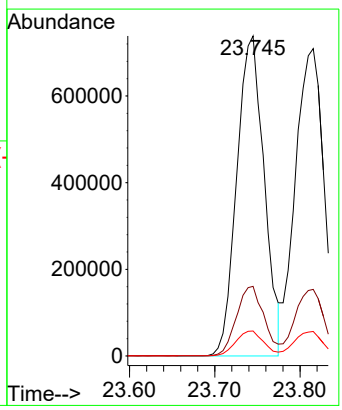
05/27/2025

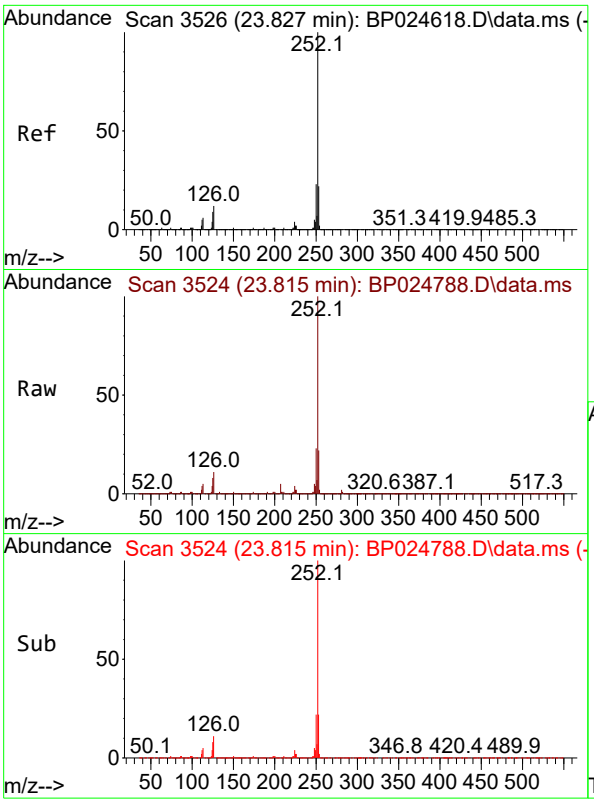


#88
Benzo(b)fluoranthene
Concen: 37.657 ng
RT: 23.745 min Scan# 3512
Delta R.T. -0.012 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:252 Resp: 1646057

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	7.8	7.5	11.3

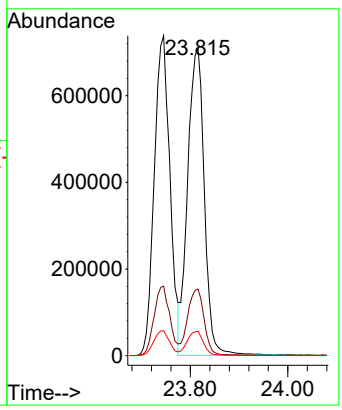




#89
Benzo(k)fluoranthene
Concen: 37.490 ng
RT: 23.815 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:252 Resp: 168863

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	8.0	7.0	10.4



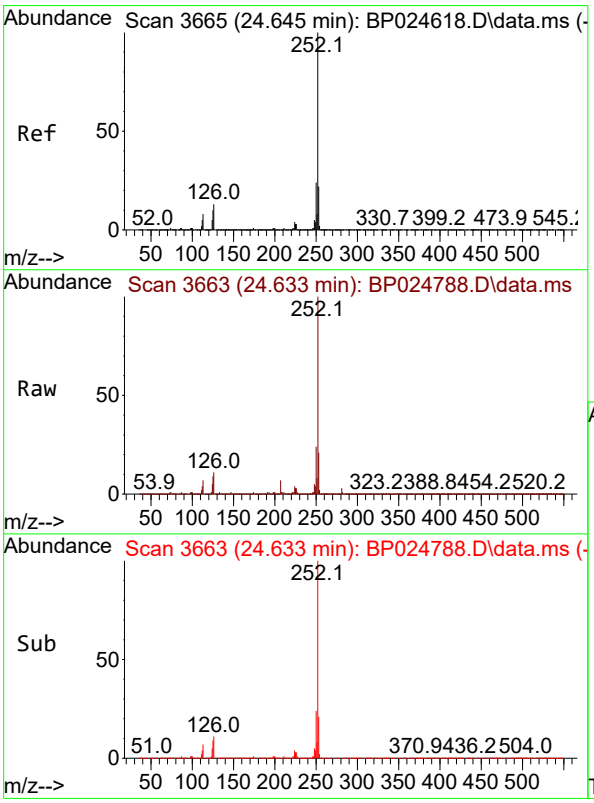
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

05/27/2025
Supervised By :Jagrut Upadhyay

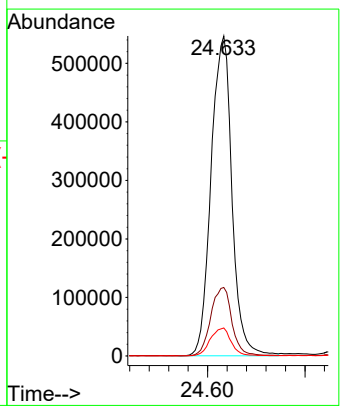
05/27/2025

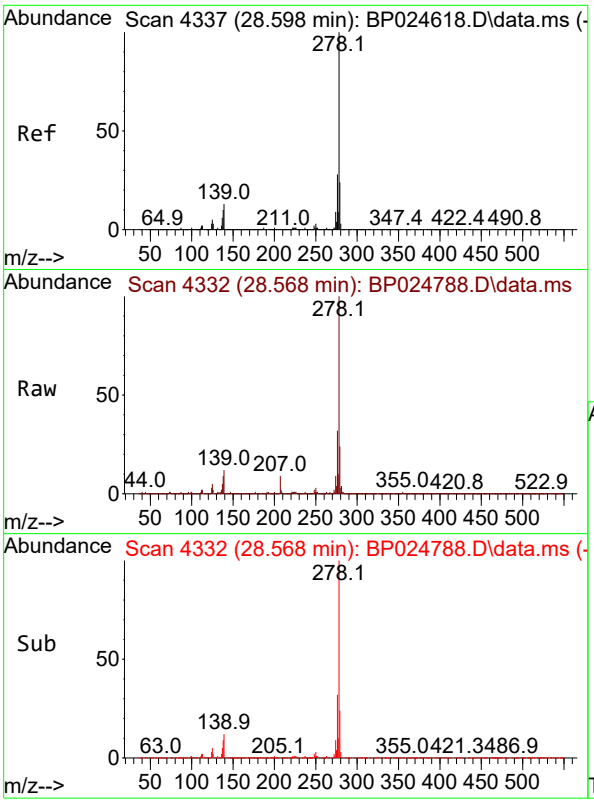


#90
Benzo(a)pyrene
Concen: 38.650 ng
RT: 24.633 min Scan# 3663
Delta R.T. -0.012 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:252 Resp: 1622584

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.7	26.5
125	8.7	8.1	12.1

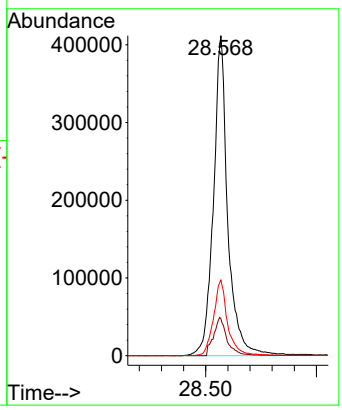




#91
Dibenzo(a,h)anthracene
Concen: 40.856 ng
RT: 28.568 min Scan# 4
Delta R.T. -0.029 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:278 Resp: 185311

Ion	Ratio	Lower	Upper
278	100		
139	11.6	10.2	15.4
279	23.7	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

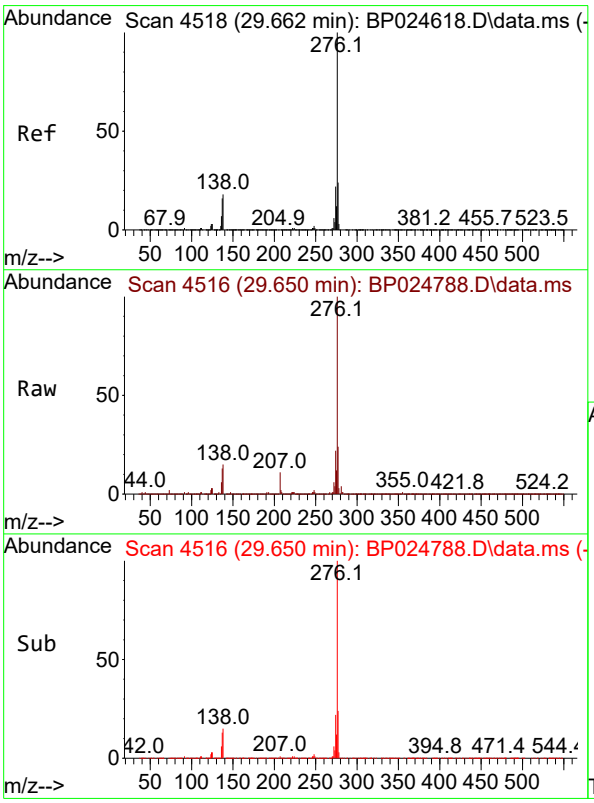
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli

05/27/2025

Supervised By :Jagrut Upadhyay

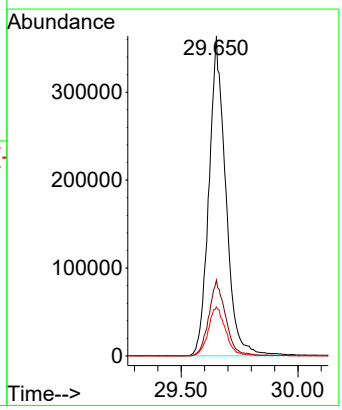
05/27/2025



#92
Benzo(g,h,i)perylene
Concen: 40.166 ng
RT: 29.650 min Scan# 4516
Delta R.T. -0.012 min
Lab File: BP024788.D
Acq: 23 May 2025 11:40

Tgt Ion:276 Resp: 1811699

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.4
138	15.3	14.4	21.6



Sample Results: **BP024788.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024788.D
Acq On : 23 May 2025 11:40
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 23 12:14:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

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	71	-0.02
2		1,4-Dioxane	0.549	0.475	13.5	67	0.00
3		Pyridine	1.218	1.095	10.1	65	0.00
4		n-Nitrosodimethylamine	0.538	0.514	4.5	71	0.00
5	S	2-Fluorophenol	1.169	1.153	1.4	74	0.00
6		Aniline	1.927	1.746	9.4	65	-0.01
7	S	Phenol-d6	1.492	1.391	6.8	67	0.00
8		2-Chlorophenol	1.327	1.285	3.2	70	-0.01
9		Benzaldehyde	0.966	0.824	14.7	61	-0.01
10	C	Phenol	1.540	1.406	8.7	66	0.00
11		bis(2-Chloroethyl)ether	1.266	1.041	17.8	61	-0.02
12		1,3-Dichlorobenzene	1.527	1.435	6.0	71	-0.01
13	C	1,4-Dichlorobenzene	1.536	1.456	5.2	70	-0.01
14		1,2-Dichlorobenzene	1.497	1.401	6.4	70	-0.02
15		Benzyl Alcohol	1.134	1.024	9.7	63	-0.01
16		2,2'-oxybis(1-Chloropropane	1.516	1.205	20.5	58	-0.02
17		2-Methylphenol	1.105	1.020	7.7	66	0.00
18		Hexachloroethane	0.589	0.524	11.0	68	-0.02
19	P	n-Nitroso-di-n-propylamine	1.032	0.869	15.8	59	-0.01
20		3+4-Methylphenols	1.503	1.386	7.8	65	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	65	-0.02
22		Acetophenone	0.500	0.471	5.8	63	-0.01
23	S	Nitrobenzene-d5	0.396	0.363	8.3	61	-0.01
24		Nitrobenzene	0.348	0.310	10.9	59	-0.01
25		Isophorone	0.687	0.597	13.1	57	-0.01
26	C	2-Nitrophenol	0.171	0.181	-5.8	68	-0.02
27		2,4-Dimethylphenol	0.301	0.294	2.3	64	-0.01
28		bis(2-Chloroethoxy)methane	0.410	0.346	15.6	56	-0.02
29	C	2,4-Dichlorophenol	0.292	0.295	-1.0	65	0.00
30		1,2,4-Trichlorobenzene	0.329	0.326	0.9	69	-0.02
31		Naphthalene	1.036	1.000	3.5	66	-0.02
32		Benzoic acid	0.181	0.176	2.8	59	0.00
33		4-Chloroaniline	0.418	0.412	1.4	64	-0.01
34	C	Hexachlorobutadiene	0.213	0.212	0.5	69	-0.02
35		Caprolactam	0.106	0.104	1.9	61	0.00
36	C	4-Chloro-3-methylphenol	0.356	0.335	5.9	61	0.00
37		2-Methylnaphthalene	0.671	0.635	5.4	64	-0.01
38		1-Methylnaphthalene	0.718	0.677	5.7	63	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	62	-0.02
40		1,2,4,5-Tetrachlorobenzene	0.581	0.582	-0.2	65	-0.02
41	P	Hexachlorocyclopentadiene	0.352	0.461	-31.0#	80	-0.02
42	S	2,4,6-Tribromophenol	0.339	0.384	-13.3	73	0.00
43	C	2,4,6-Trichlorophenol	0.376	0.389	-3.5	65	-0.01
44		2,4,5-Trichlorophenol	0.419	0.410	2.1	62	0.00
45	S	2-Fluorobiphenyl	1.527	1.497	2.0	64	-0.01
46		1,1'-Biphenyl	1.478	1.419	4.0	63	-0.02
47		2-Chloronaphthalene	1.127	1.115	1.1	65	-0.01

Sample Results: **BP024788.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024788.D
Acq On : 23 May 2025 11:40
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 23 12:14:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.334	0.309	7.5	57	-0.02
49		Acenaphthylene	1.886	1.849	2.0	63	-0.02
50		Dimethylphthalate	1.524	1.471	3.5	63	-0.02
51		2,6-Dinitrotoluene	0.322	0.319	0.9	63	-0.02
52	C	Acenaphthene	1.084	1.026	5.4	62	-0.02
53		3-Nitroaniline	0.329	0.324	1.5	59	0.00
54	P	2,4-Dinitrophenol	0.169	0.167	1.2	60	0.00
55		Dibenzofuran	1.730	1.667	3.6	63	-0.01
56	P	4-Nitrophenol	0.250	0.319	-27.6#	77	0.02
57		2,4-Dinitrotoluene	0.454	0.463	-2.0	63	-0.01
58		Fluorene	1.410	1.371	2.8	63	0.00
59		2,3,4,6-Tetrachlorophenol	0.388	0.396	-2.1	64	0.00
60		Diethylphthalate	1.541	1.463	5.1	63	-0.01
61		4-Chlorophenyl-phenylether	0.703	0.684	2.7	64	-0.02
62		4-Nitroaniline	0.317	0.348	-9.8	65	0.00
63		Azobenzene	1.318	1.136	13.8	56	-0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	64	-0.01
65		4,6-Dinitro-2-methylphenol	0.129	0.130	-0.8	64	0.00
66	c	n-Nitrosodiphenylamine	0.614	0.580	5.5	62	-0.01
67		4-Bromophenyl-phenylether	0.236	0.232	1.7	66	0.00
68		Hexachlorobenzene	0.299	0.309	-3.3	70	0.00
69		Atrazine	0.225	0.229	-1.8	67	0.00
70	C	Pentachlorophenol	0.168	0.188	-11.9	70	0.00
71		Phenanthrene	1.112	1.068	4.0	65	0.00
72		Anthracene	1.119	1.082	3.3	64	0.00
73		Carbazole	1.012	1.026	-1.4	65	0.00
74		Di-n-butylphthalate	1.302	1.292	0.8	65	0.00
75	C	Fluoranthene	1.300	1.314	-1.1	67	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	74	-0.01
77		Benzidine	0.545	0.522	4.2	69	0.00
78		Pyrene	1.198	1.053	12.1	67	0.00
79	S	Terphenyl-d14	1.166	1.077	7.6	70	0.00
80		Butylbenzylphthalate	0.533	0.498	6.6	70	0.00
81		Benzo(a)anthracene	1.256	1.206	4.0	73	-0.02
82		3,3'-Dichlorobenzidine	0.466	0.498	-6.9	77	0.00
83		Chrysene	1.190	1.135	4.6	74	-0.01
84		Bis(2-ethylhexyl)phthalate	0.783	0.773	1.3	74	-0.02
85	c	Di-n-octyl phthalate	1.281	1.352	-5.5	78	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	82	-0.02
87		Indeno(1,2,3-cd)pyrene	1.460	1.481	-1.4	85	-0.02
88		Benzo(b)fluoranthene	1.145	1.078	5.9	80	-0.01
89		Benzo(k)fluoranthene	1.180	1.106	6.3	80	-0.01
90	C	Benzo(a)pyrene	1.099	1.062	3.4	82	-0.01
91		Dibenzo(a,h)anthracene	1.188	1.213	-2.1	85	-0.03
92		Benzo(g,h,i)perylene	1.181	1.186	-0.4	85	-0.01

Sample Results: **BP024788.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024788.D
Acq On : 23 May 2025 11:40
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 23 12:14:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BP024788.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024788.D
Acq On : 23 May 2025 11:40
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 23 12:14:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

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	71	-0.02
2		1,4-Dioxane	40.000	34.617	13.5	67	0.00
3		Pyridine	40.000	35.974	10.1	65	0.00
4		n-Nitrosodimethylamine	40.000	38.246	4.4	71	0.00
5	S	2-Fluorophenol	80.000	78.867	1.4	74	0.00
6		Aniline	40.000	36.237	9.4	65	-0.01
7	S	Phenol-d6	80.000	74.573	6.8	67	0.00
8		2-Chlorophenol	40.000	38.722	3.2	70	-0.01
9		Benzaldehyde	40.000	34.132	14.7	61	-0.01
10	C	Phenol	40.000	36.507	8.7	66	0.00
11		bis(2-Chloroethyl)ether	40.000	32.883	17.8	61	-0.02
12		1,3-Dichlorobenzene	40.000	37.589	6.0	71	-0.01
13	C	1,4-Dichlorobenzene	40.000	37.917	5.2	70	-0.01
14		1,2-Dichlorobenzene	40.000	37.434	6.4	70	-0.02
15		Benzyl Alcohol	40.000	36.134	9.7	63	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	31.804	20.5	58	-0.02
17		2-Methylphenol	40.000	36.924	7.7	66	0.00
18		Hexachloroethane	40.000	35.628	10.9	68	-0.02
19	P	n-Nitroso-di-n-propylamine	40.000	33.678	15.8	59	-0.01
20		3+4-Methylphenols	40.000	36.896	7.8	65	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	65	-0.02
22		Acetophenone	40.000	37.699	5.8	63	-0.01
23	S	Nitrobenzene-d5	80.000	73.350	8.3	61	-0.01
24		Nitrobenzene	40.000	35.545	11.1	59	-0.01
25		Isophorone	40.000	34.769	13.1	57	-0.01
26	C	2-Nitrophenol	40.000	42.384	-6.0	68	-0.02
27		2,4-Dimethylphenol	40.000	39.115	2.2	64	-0.01
28		bis(2-Chloroethoxy)methane	40.000	33.693	15.8	56	-0.02
29	C	2,4-Dichlorophenol	40.000	40.513	-1.3	65	0.00
30		1,2,4-Trichlorobenzene	40.000	39.636	0.9	69	-0.02
31		Naphthalene	40.000	38.612	3.5	66	-0.02
32		Benzoic acid	40.000	35.863	10.3	59	0.00
33		4-Chloroaniline	40.000	39.447	1.4	64	-0.01
34	C	Hexachlorobutadiene	40.000	39.777	0.6	69	-0.02
35		Caprolactam	40.000	39.418	1.5	61	0.00
36	C	4-Chloro-3-methylphenol	40.000	37.662	5.8	61	0.00
37		2-Methylnaphthalene	40.000	37.844	5.4	64	-0.01
38		1-Methylnaphthalene	40.000	37.693	5.8	63	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	62	-0.02
40		1,2,4,5-Tetrachlorobenzene	40.000	40.090	-0.2	65	-0.02
41	P	Hexachlorocyclopentadiene	40.000	52.383	-31.0#	80	-0.02
42	S	2,4,6-Tribromophenol	80.000	90.543	-13.2	73	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.312	-3.3	65	-0.01
44		2,4,5-Trichlorophenol	40.000	39.137	2.2	62	0.00
45	S	2-Fluorobiphenyl	80.000	78.425	2.0	64	-0.01
46		1,1'-Biphenyl	40.000	38.408	4.0	63	-0.02
47		2-Chloronaphthalene	40.000	39.580	1.1	65	-0.01

Sample Results: **BP024788.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024788.D
Acq On : 23 May 2025 11:40
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 23 12:14:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

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	37.032	7.4	57	-0.02
49		Acenaphthylene	40.000	39.218	2.0	63	-0.02
50		Dimethylphthalate	40.000	38.588	3.5	63	-0.02
51		2,6-Dinitrotoluene	40.000	39.670	0.8	63	-0.02
52	C	Acenaphthene	40.000	37.863	5.3	62	-0.02
53		3-Nitroaniline	40.000	39.463	1.3	59	0.00
54	P	2,4-Dinitrophenol	40.000	36.684	8.3	60	0.00
55		Dibenzofuran	40.000	38.561	3.6	63	-0.01
56	P	4-Nitrophenol	40.000	46.665	-16.7	77	0.02
57		2,4-Dinitrotoluene	40.000	40.790	-2.0	63	-0.01
58		Fluorene	40.000	38.894	2.8	63	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.732	-1.8	64	0.00
60		Diethylphthalate	40.000	37.991	5.0	63	-0.01
61		4-Chlorophenyl-phenylether	40.000	38.894	2.8	64	-0.02
62		4-Nitroaniline	40.000	43.848	-9.6	65	0.00
63		Azobenzene	40.000	34.460	13.8	56	-0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	64	-0.01
65		4,6-Dinitro-2-methylphenol	40.000	40.201	-0.5	64	0.00
66	c	n-Nitrosodiphenylamine	40.000	37.796	5.5	62	-0.01
67		4-Bromophenyl-phenylether	40.000	39.462	1.3	66	0.00
68		Hexachlorobenzene	40.000	41.268	-3.2	70	0.00
69		Atrazine	40.000	40.722	-1.8	67	0.00
70	C	Pentachlorophenol	40.000	44.710	-11.8	70	0.00
71		Phenanthrene	40.000	38.424	3.9	65	0.00
72		Anthracene	40.000	38.674	3.3	64	0.00
73		Carbazole	40.000	40.545	-1.4	65	0.00
74		Di-n-butylphthalate	40.000	39.695	0.8	65	0.00
75	C	Fluoranthene	40.000	40.437	-1.1	67	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	74	-0.01
77		Benzidine	40.000	38.306	4.2	69	0.00
78		Pyrene	40.000	35.160	12.1	67	0.00
79	S	Terphenyl-d14	80.000	73.901	7.6	70	0.00
80		Butylbenzylphthalate	40.000	37.391	6.5	70	0.00
81		Benzo(a)anthracene	40.000	38.409	4.0	73	-0.02
82		3,3'-Dichlorobenzidine	40.000	42.694	-6.7	77	0.00
83		Chrysene	40.000	38.121	4.7	74	-0.01
84		Bis(2-ethylhexyl)phthalate	40.000	39.448	1.4	74	-0.02
85	c	Di-n-octyl phthalate	40.000	42.221	-5.6	78	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	82	-0.02
87		Indeno(1,2,3-cd)pyrene	40.000	40.563	-1.4	85	-0.02
88		Benzo(b)fluoranthene	40.000	37.657	5.9	80	-0.01
89		Benzo(k)fluoranthene	40.000	37.490	6.3	80	-0.01
90	C	Benzo(a)pyrene	40.000	38.650	3.4	82	-0.01
91		Dibenzo(a,h)anthracene	40.000	40.856	-2.1	85	-0.03
92		Benzo(g,h,i)perylene	40.000	40.166	-0.4	85	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024788.D
Acq On : 23 May 2025 11:40
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 23 12:14:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

QC SAMPLE DATA

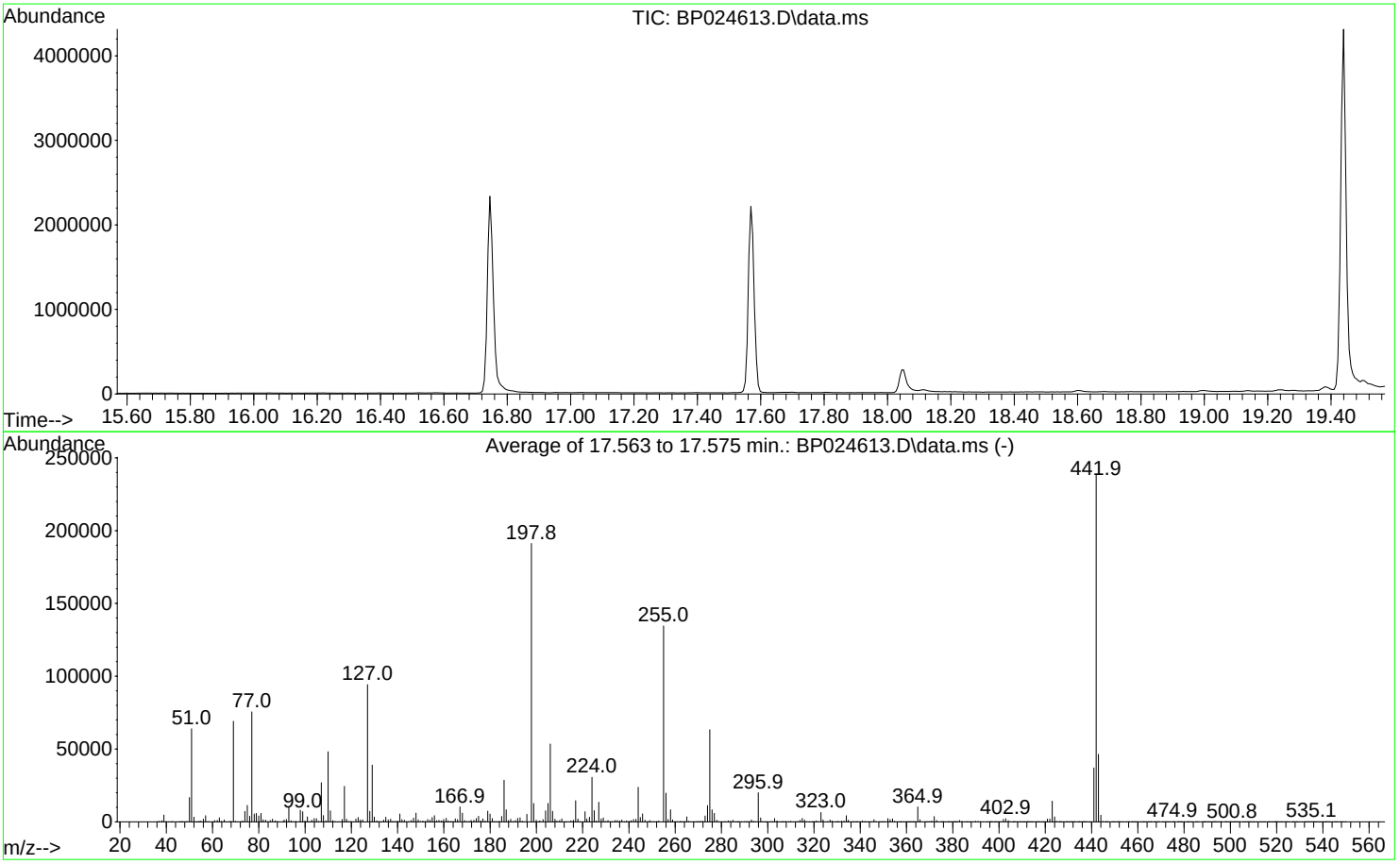
Sample Results: **BP024613.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024613.D
Acq On : 13 May 2025 10:00
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

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



AutoFind: Scans 2461, 2462, 2463; Background Corrected with Scan 2449

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	33.5	63968	PASS
68	69	0.00	2	0.6	438	PASS
69	198	0.00	100	36.2	69152	PASS
70	69	0.00	2	0.6	419	PASS
127	198	10	80	49.3	94192	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	191223	PASS
199	198	5	9	6.6	12661	PASS
275	198	10	60	33.1	63293	PASS
365	198	1	100	5.4	10286	PASS
441	198	0.01	100	19.4	37080	PASS
442	442	100	100	100.0	238569	PASS
443	442	15	24	19.4	46397	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
5/13/2025	BNA_P	BP024613.D
Compound Name	**Response**	**Retention Time**
DDT	750509	20.716
DDD	13774	20.269
DDE	1248	19.733
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
15022	765531	1.96

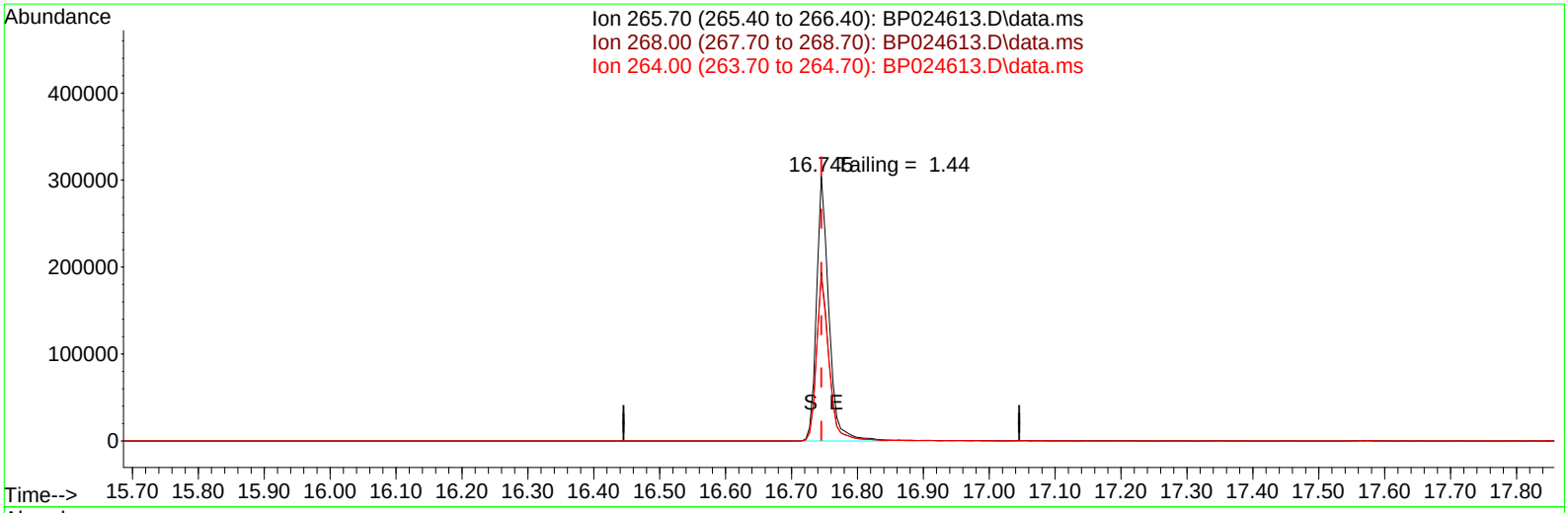
Instrument :
BNA_P
ClientSampleId :
DFTPP

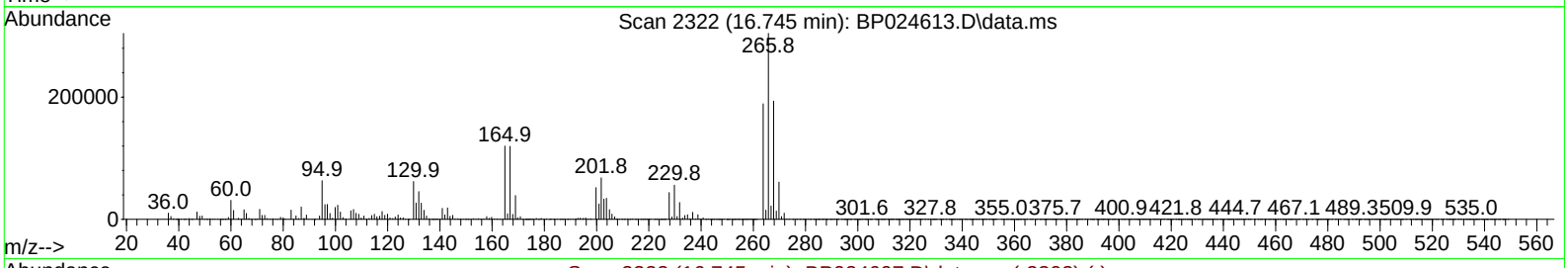
Sample Results: **BP024613.D**

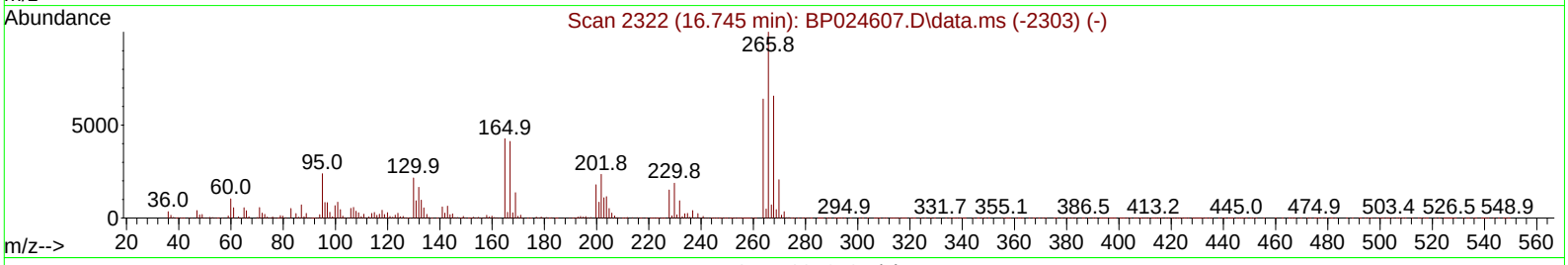
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024613.D
Acq On : 13 May 2025 10:00
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: May 13 12:28:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 12:28:24 2025
Response via : Initial Calibration







TIC: BP024613.D\data.ms

(70) Pentachlorophenol (C)

16.745min (-0.000) 42670.46 ng

response 398426

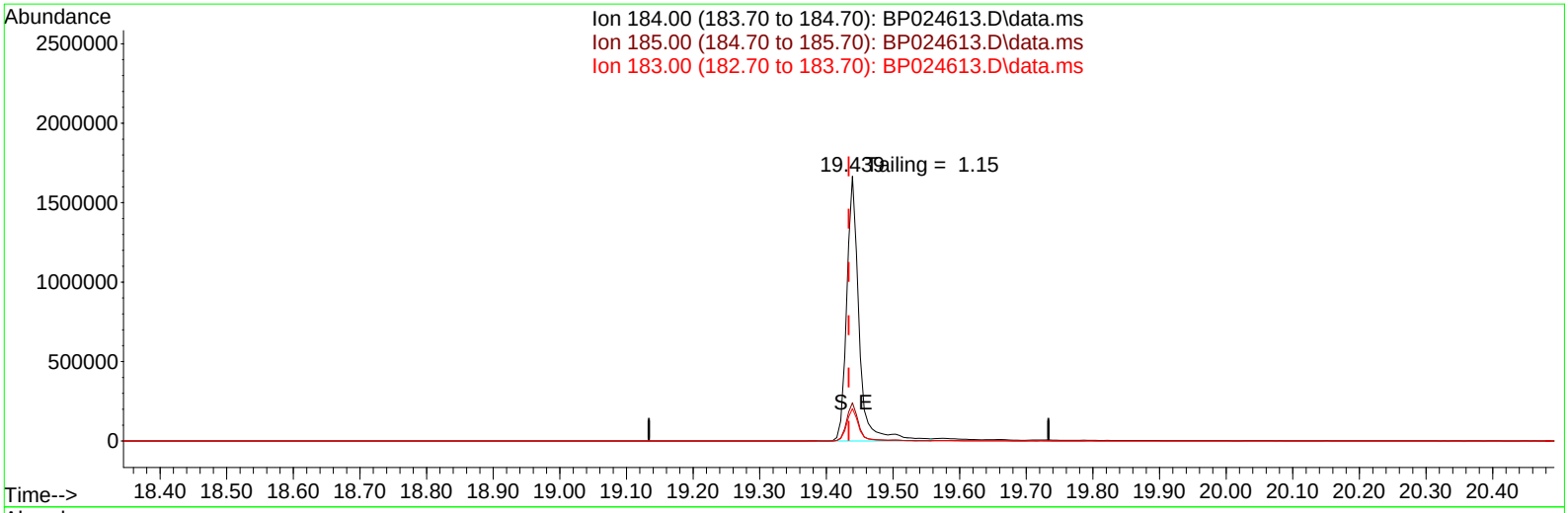
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.60	63.59
264.00	64.00	62.12
0.00	0.00	0.00

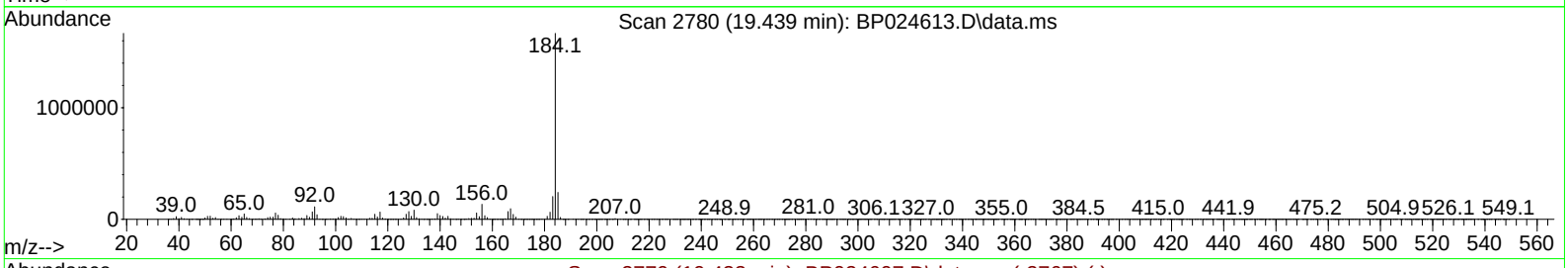
Sample Results: **BP024613.D**

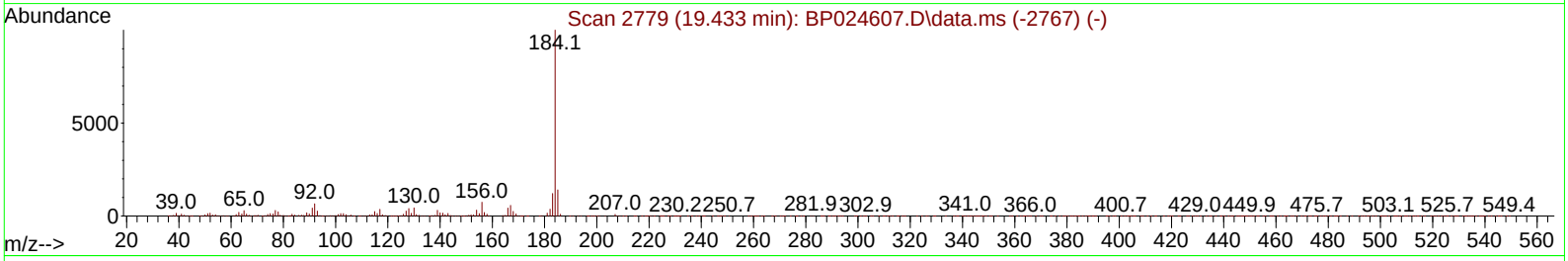
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024613.D
Acq On : 13 May 2025 10:00
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: May 13 12:28:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 12:28:24 2025
Response via : Initial Calibration







TIC: BP024613.D\data.ms

(77) Benzidine

19.439min (+ 0.006) 5637.89 ng

response 2074486

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	14.46
183.00	12.10	12.23
0.00	0.00	0.00

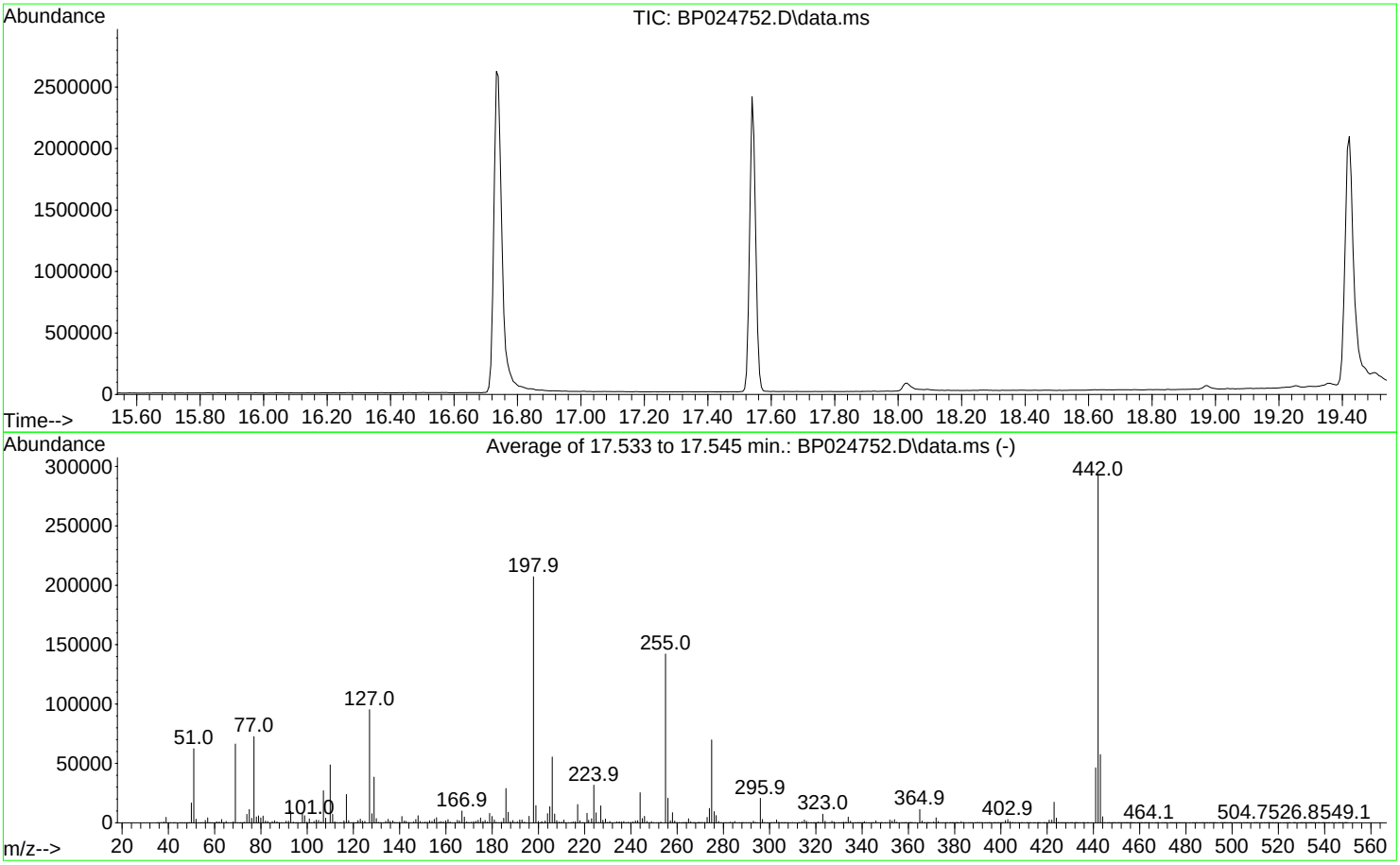
Sample Results: **BP024752.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024752.D
Acq On : 22 May 2025 09:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

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



AutoFind: Scans 2456, 2457, 2458; Background Corrected with Scan 2448

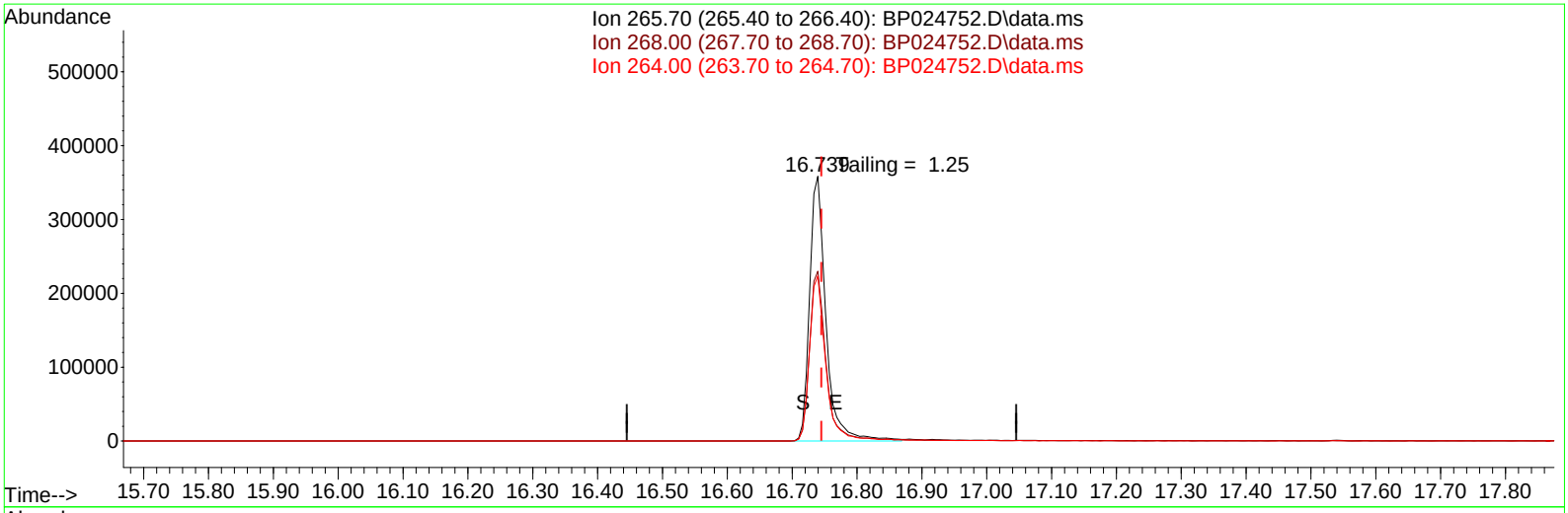
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	30.1	62396	PASS
68	69	0.00	2	1.3	886	PASS
69	198	0.00	100	32.0	66316	PASS
70	69	0.00	2	0.5	312	PASS
127	198	10	80	46.0	95339	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	207249	PASS
199	198	5	9	7.0	14476	PASS
275	198	10	60	33.7	69755	PASS
365	198	1	100	5.4	11230	PASS
441	198	0.01	100	22.4	46360	PASS
442	442	100	100	100.0	292800	PASS
443	442	15	24	19.6	57458	PASS

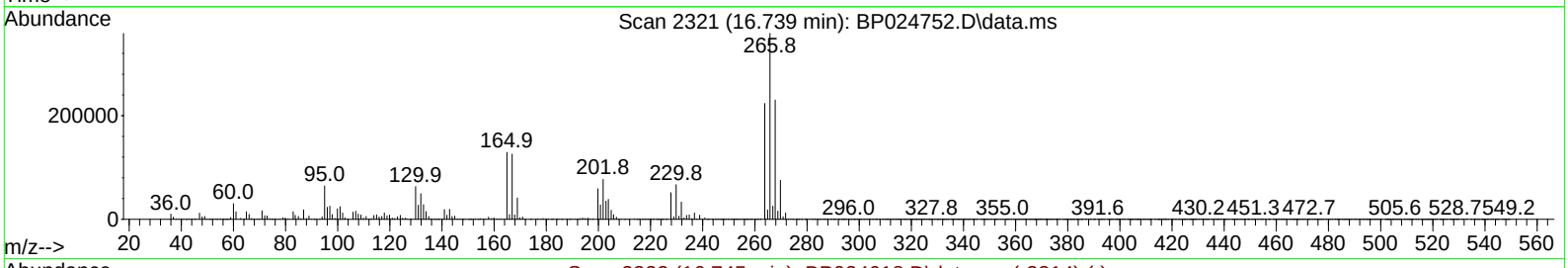
Sample Results: **BP024752.D**

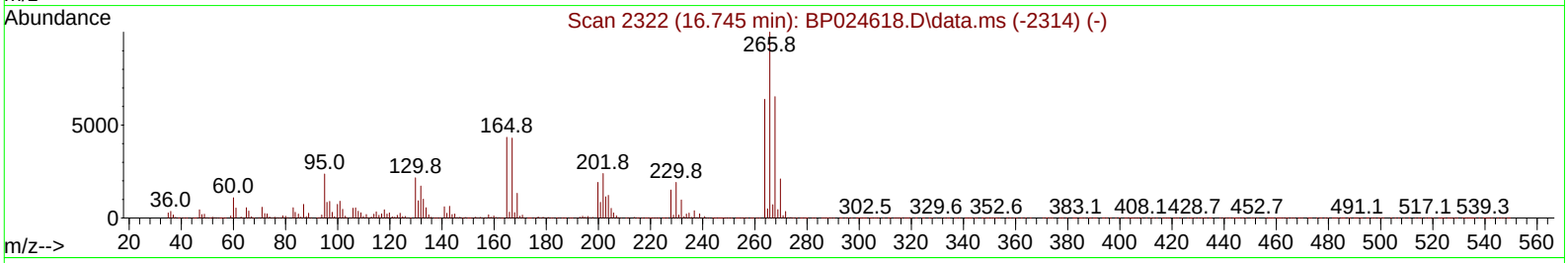
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024752.D
Acq On : 22 May 2025 09:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: May 22 11:25:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration







TIC: BP024752.D\data.ms

(70) Pentachlorophenol (C)

16.739min (-0.006) 136502.62 ng

response 627581

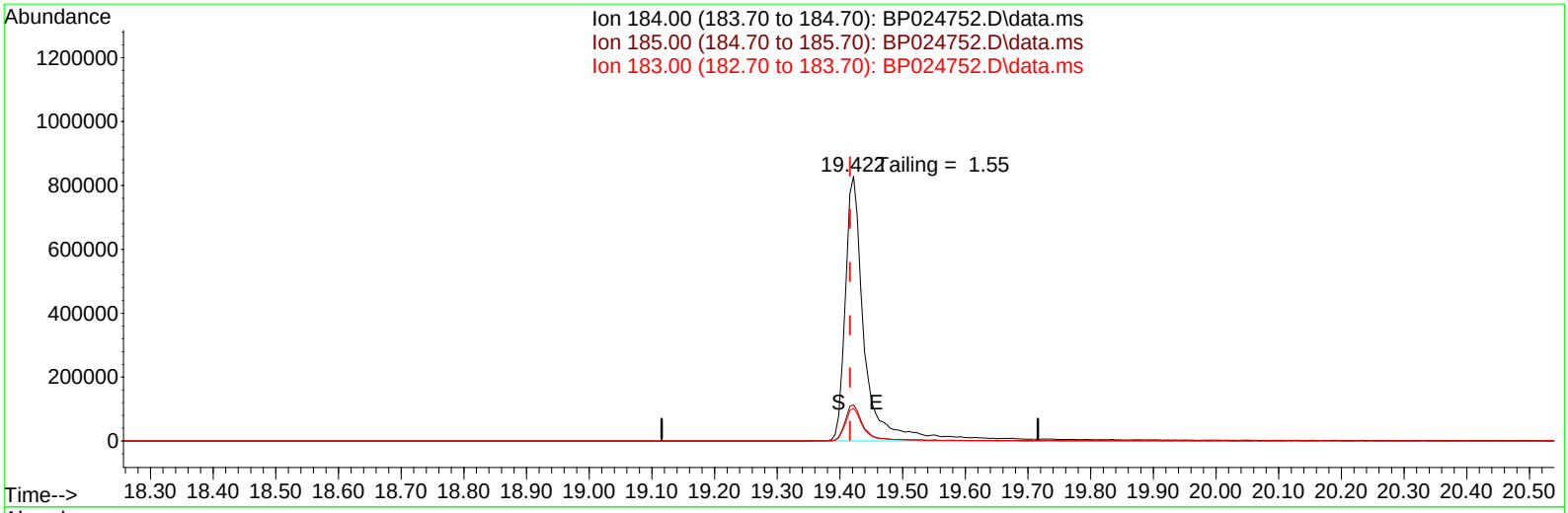
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.30	64.18
264.00	63.90	62.34
0.00	0.00	0.00

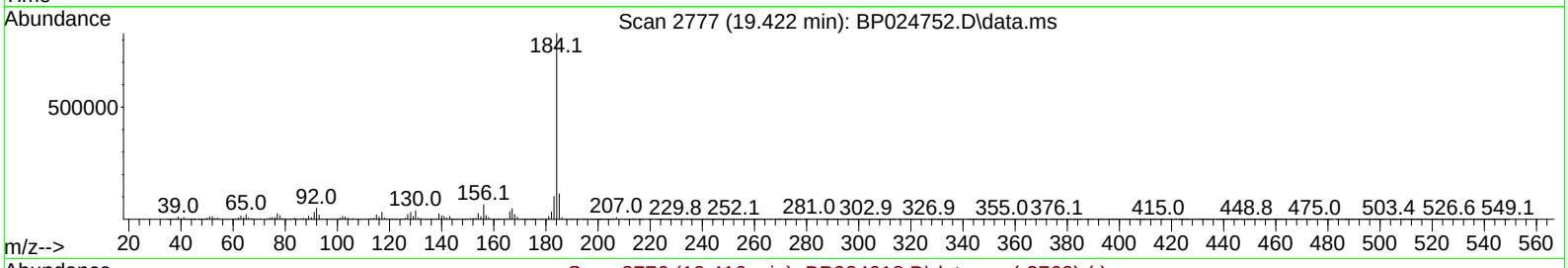
Sample Results: **BP024752.D**

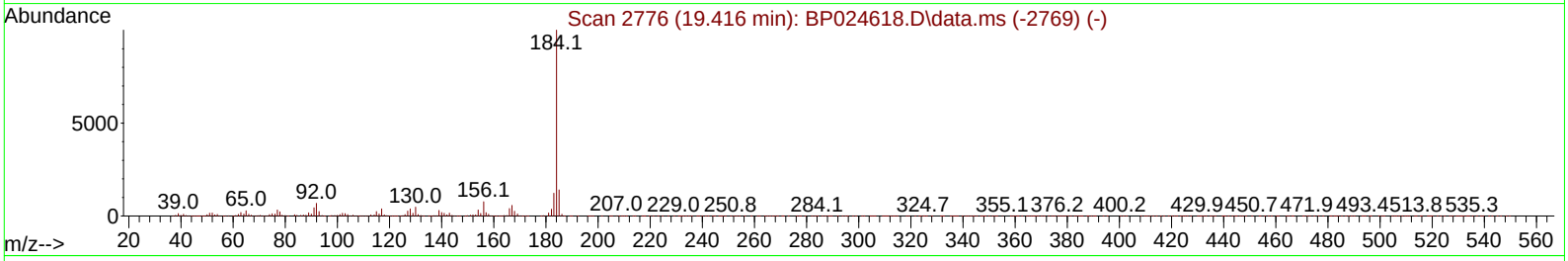
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024752.D
Acq On : 22 May 2025 09:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: May 22 11:25:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration







TIC: BP024752.D\data.ms

(77) Benzidine

19.422min (+ 0.006) 65290.51 ng

response 1700006

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.00	13.62
183.00	12.30	12.37
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
5/22/2025	BNA_P	BP024752.D
Compound Name	**Response**	**Retention Time**
DDT	762668	20.704
DDD	29290	20.239
DDE	2824	19.71
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
32114	794782	4.04

Instrument :
BNA_P
ClientSampleId :
DFTPP

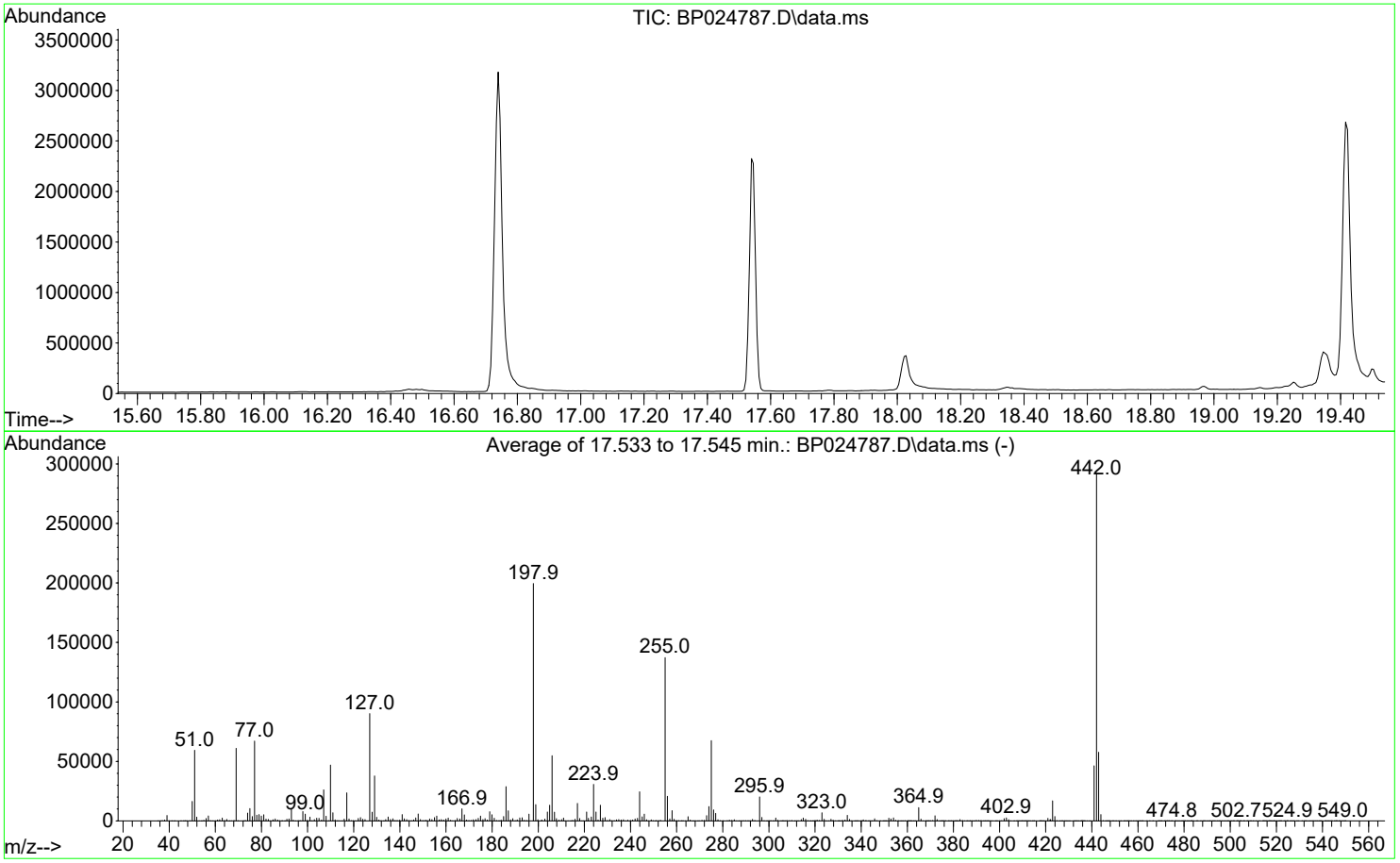
Sample Results: **BP024787.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024787.D
Acq On : 23 May 2025 10:59
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

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



AutoFind: Scans 2456, 2457, 2458; Background Corrected with Scan 2447

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	29.8	59362	PASS
68	69	0.00	2	0.7	401	PASS
69	198	0.00	100	30.6	61074	PASS
70	69	0.00	2	0.5	290	PASS
127	198	10	80	45.2	90179	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	199477	PASS
199	198	5	9	6.9	13702	PASS
275	198	10	60	33.8	67505	PASS
365	198	1	100	5.6	11114	PASS
441	198	0.01	100	23.2	46297	PASS
442	442	100	100	100.0	291624	PASS
443	442	15	24	19.8	57675	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
5/23/2025	BNA_P	BP024787.D
Compound Name	**Response**	**Retention Time**
DDT	889984	20.698
DDD	15428	20.286
DDE	1954	19.71
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
17382	907366	1.92

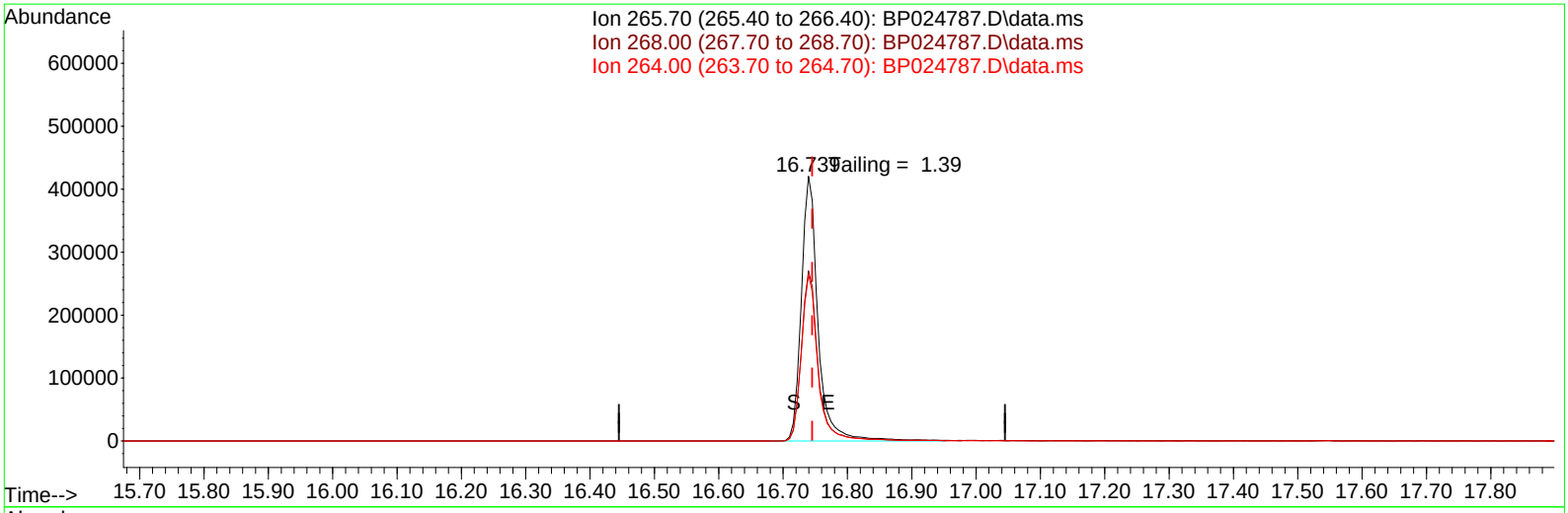
Instrument :
BNA_P
ClientSampleId :
DFTPP

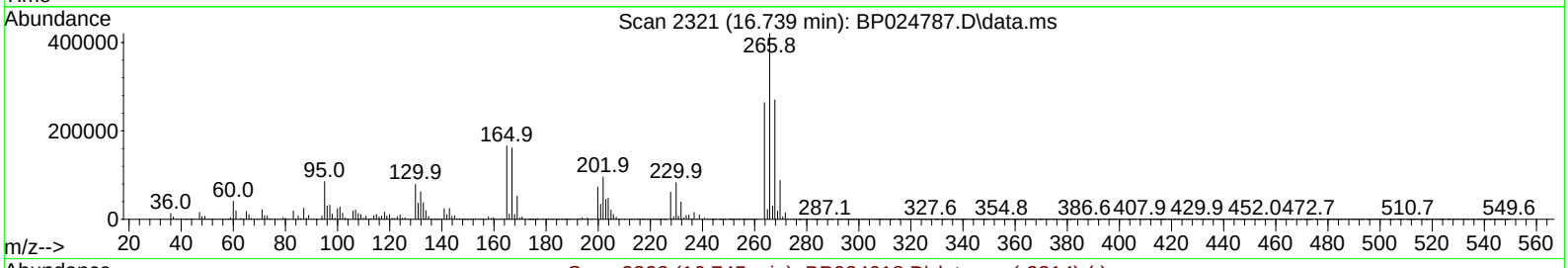
Sample Results: **BP024787.D**

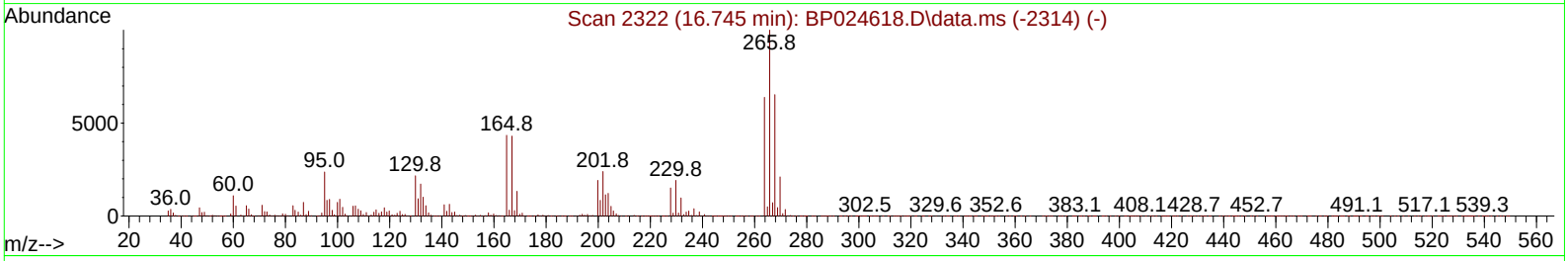
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024787.D
Acq On : 23 May 2025 10:59
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: May 23 12:13:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration







TIC: BP024787.D\data.ms

(70) Pentachlorophenol (C)

16.739min (-0.006) 1289316.61 ng

response 758576

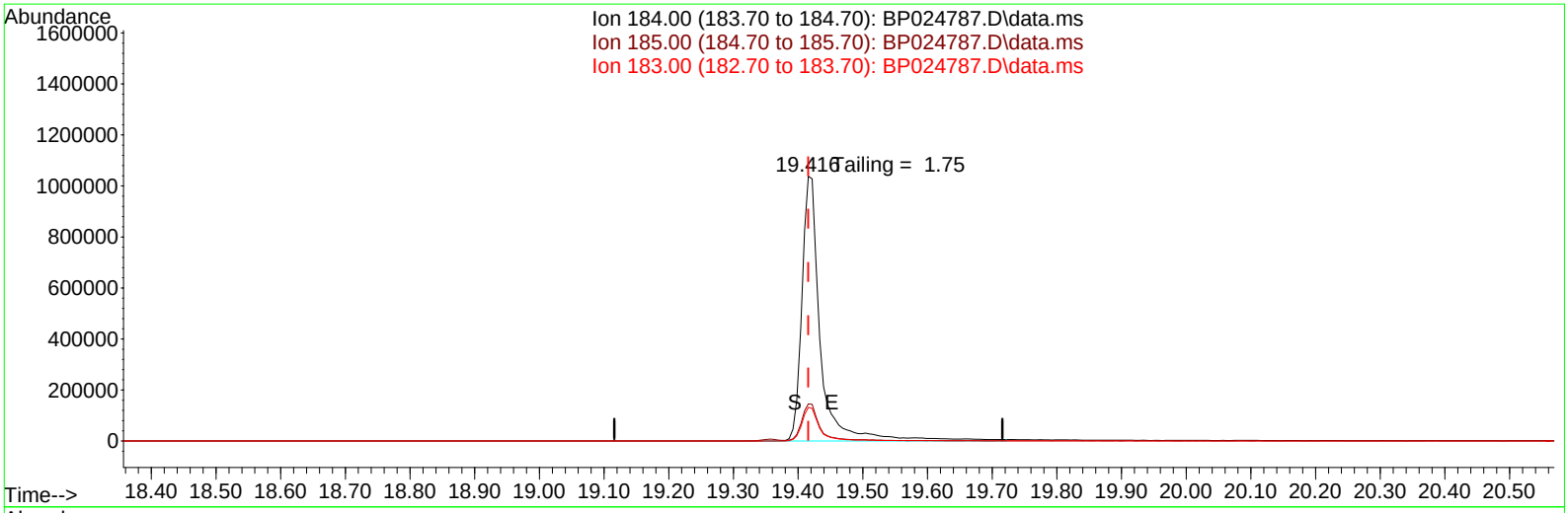
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.30	64.26
264.00	63.90	62.71
0.00	0.00	0.00

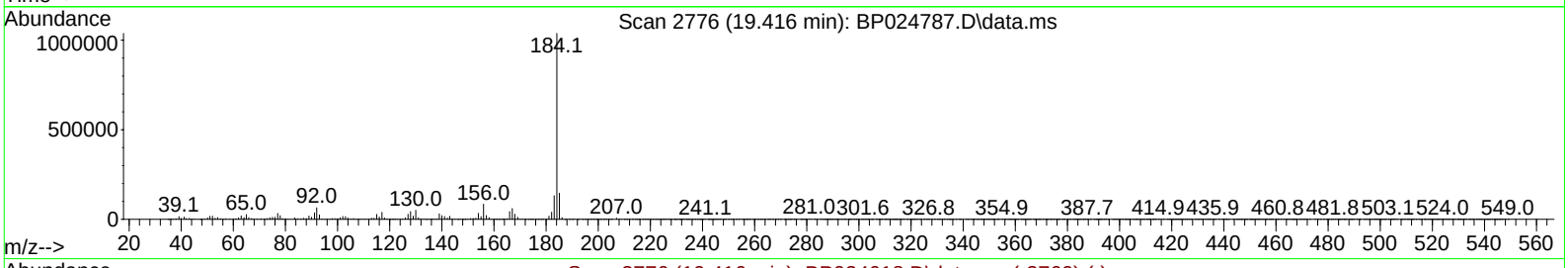
Sample Results: **BP024787.D**

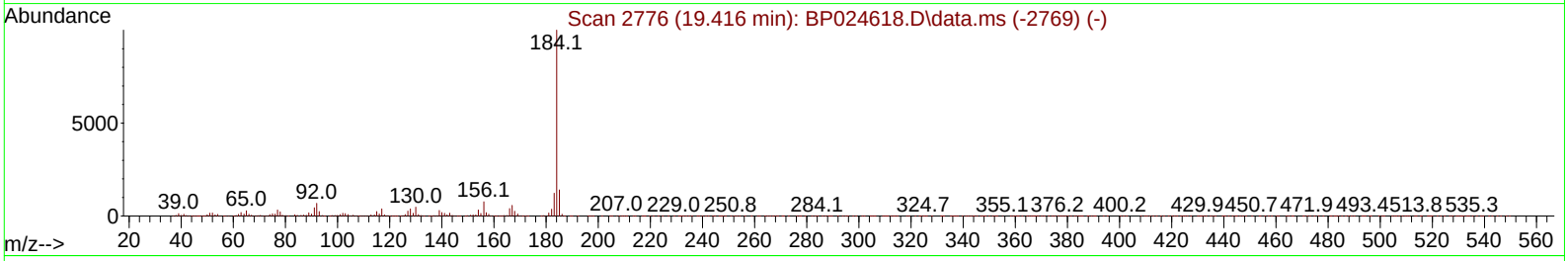
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024787.D
Acq On : 23 May 2025 10:59
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: May 23 12:13:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration







TIC: BP024787.D\data.ms

(77) Benzidine

19.416min (-0.000) 1952689.30 ng

response 2020967

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.00	14.02
183.00	12.30	12.71
0.00	0.00	0.00

Raw Data: **BP024754.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	PB168098BL	SDG No.:	Q2073
Lab Sample ID:	PB168098BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024754.D	1	05/21/25 08:40	05/22/25 11:37	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.0	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.81	U	0.81	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.00	ug/L
98-86-2	Acetophenone	0.74	U	0.74	5.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.50	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
78-59-1	Isophorone	0.75	U	0.75	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	0.68	5.00	ug/L
91-20-3	Naphthalene	0.50	U	0.50	5.00	ug/L
106-47-8	4-Chloroaniline	0.84	U	0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
105-60-2	Caprolactam	1.10	U	1.10	10.0	ug/L
91-57-6	2-Methylnaphthalene	0.56	U	0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	3.60	U	3.60	10.0	ug/L
92-52-4	1,1-Biphenyl	0.53	U	0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.61	U	0.61	5.00	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.00	ug/L
131-11-3	Dimethylphthalate	0.61	U	0.61	5.00	ug/L
208-96-8	Acenaphthylene	0.75	U	0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	0.92	U	0.92	5.00	ug/L
99-09-2	3-Nitroaniline	1.10	U	1.10	5.00	ug/L
83-32-9	Acenaphthene	0.55	U	0.55	5.00	ug/L
132-64-9	Dibenzofuran	0.61	U	0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
84-66-2	Diethylphthalate	0.69	U	0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.68	U	0.68	5.00	ug/L
86-73-7	Fluorene	0.63	U	0.63	5.00	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.00	ug/L

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Nelson			Date Received:	
Client Sample ID:	PB168098BL			SDG No.:	Q2073
Lab Sample ID:	PB168098BL			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group2
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024754.D	1	05/21/25 08:40	05/22/25 11:37	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
86-30-6	n-Nitrosodiphenylamine	0.58	U	0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.40	U	0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.00	ug/L
85-01-8	Phenanthrene	0.50	U	0.50	5.00	ug/L
120-12-7	Anthracene	0.61	U	0.61	5.00	ug/L
86-74-8	Carbazole	0.72	U	0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.00	ug/L
206-44-0	Fluoranthene	0.82	U	0.82	5.00	ug/L
129-00-0	Pyrene	0.50	U	0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	1.90	U	1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	0.93	U	0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.45	U	0.45	5.00	ug/L
218-01-9	Chrysene	0.44	U	0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.30	U	2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	0.55	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.67	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	0.69	U	0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	0.52	5.00	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	75.0		30 (49) - 130 (133)	75%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.3		30 (52) - 130 (132)	77%	SPK: 100
1718-51-0	Terphenyl-d14	83.0		30 (48) - 130 (125)	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	115000	7.652			

Raw Data: **BP024754.D**

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Nelson			Date Received:	
Client Sample ID:	PB168098BL			SDG No.:	Q2073
Lab Sample ID:	PB168098BL			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group2
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024754.D	1	05/21/25 08:40	05/22/25 11:37	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1146-65-2	Naphthalene-d8	454000	10.422			
15067-26-2	Acenaphthene-d10	285000	14.287			
1517-22-2	Phenanthrene-d10	613000	17.092			
1719-03-5	Chrysene-d12	716000	21.522			
1520-96-3	Perylene-d12	855000	24.821			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.30	A		4.82	ug/L

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\BP052225\
Data File : BP024754.D
Acq On : 22 May 2025 11:37
Operator : RC/JU
Sample : PB168098BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168098BL

Quant Time: May 22 11:56:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

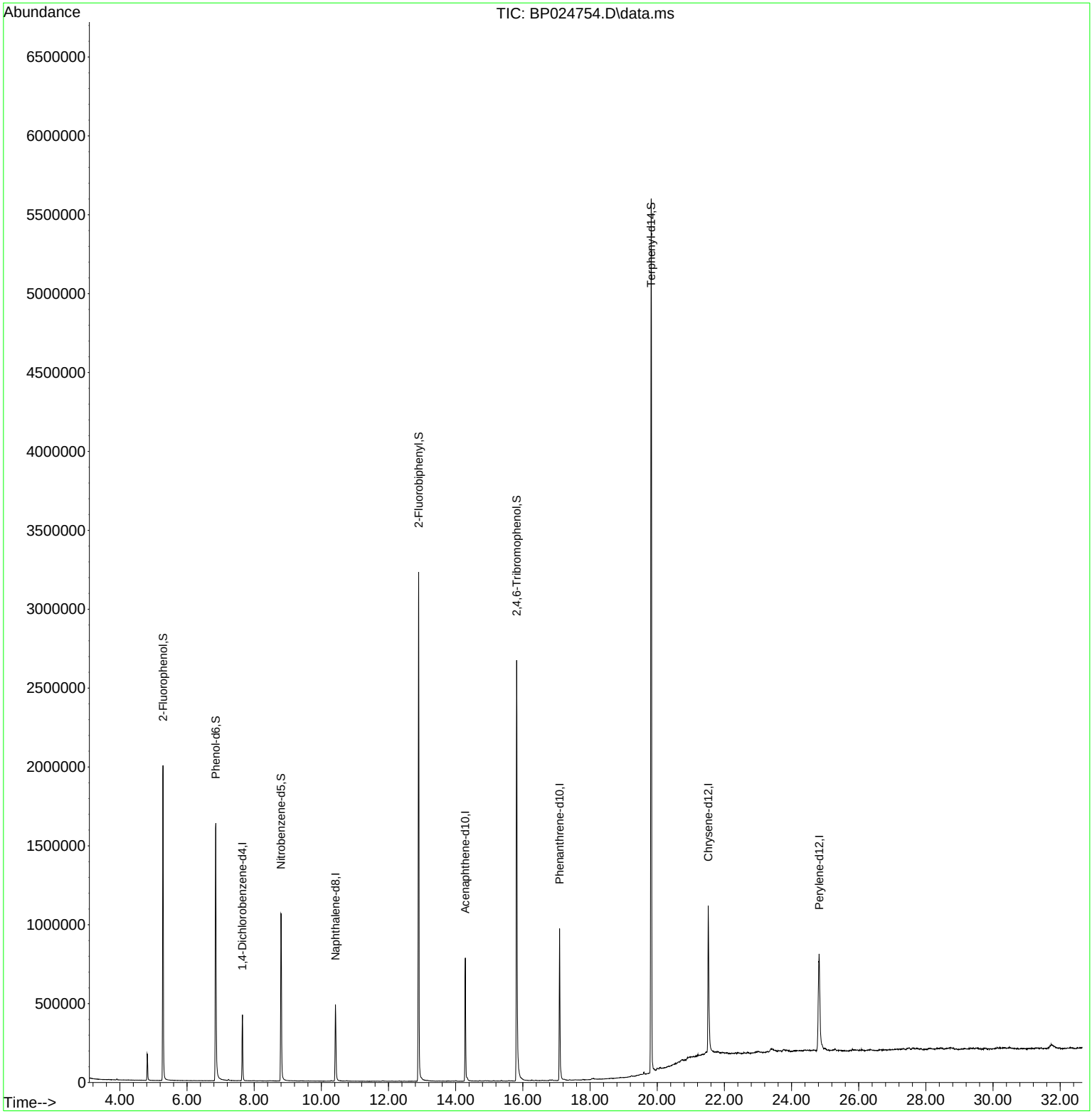
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.652	152	115351	20.000	ng	-0.01
21) Naphthalene-d8	10.422	136	453620	20.000	ng	-0.01
39) Acenaphthene-d10	14.287	164	285428	20.000	ng	-0.02
64) Phenanthrene-d10	17.092	188	613349	20.000	ng	0.00
76) Chrysene-d12	21.522	240	715536	20.000	ng	0.00
86) Perylene-d12	24.821	264	855120	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	894994	132.705	ng	0.00
7) Phenol-d6	6.858	99	1057300	122.835	ng	0.00
23) Nitrobenzene-d5	8.799	82	673508	75.019	ng	-0.01
42) 2,4,6-Tribromophenol	15.816	330	734079	151.706	ng	0.00
45) 2-Fluorobiphenyl	12.898	172	1683571	77.276	ng	0.00
79) Terphenyl-d14	19.822	244	3464548	83.024	ng	0.01
Target Compounds						Qvalue

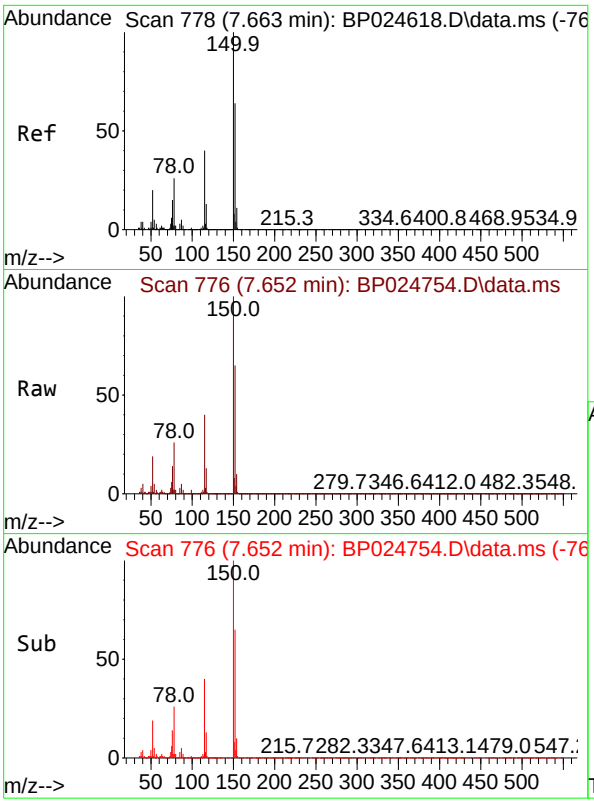
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024754.D
Acq On : 22 May 2025 11:37
Operator : RC/JU
Sample : PB168098BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168098BL

Quant Time: May 22 11:56:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



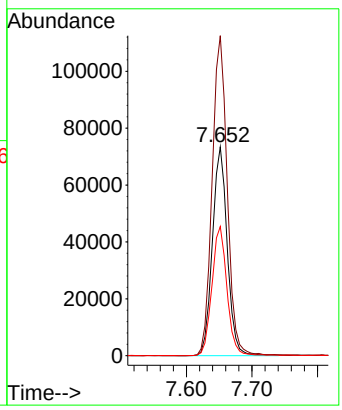


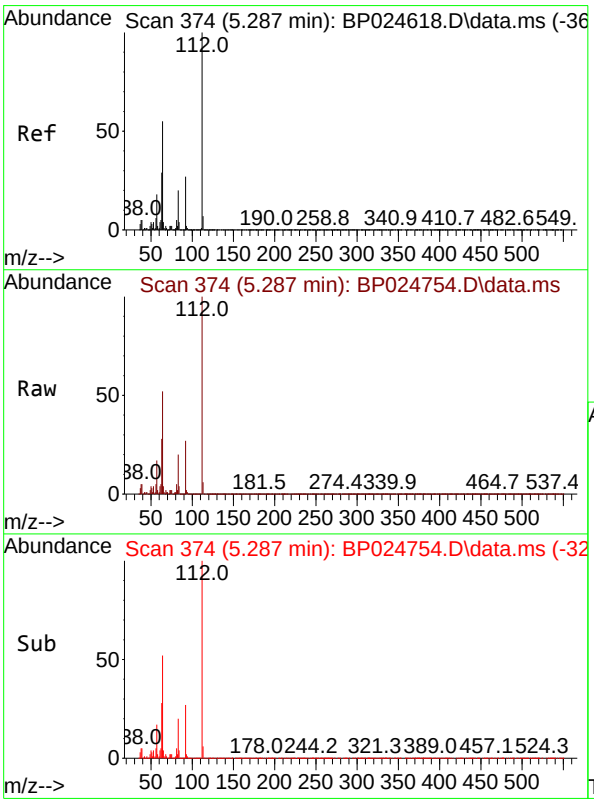
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.652 min Scan# 7
Delta R.T. -0.011 min
Lab File: BP024754.D
Acq: 22 May 2025 11:37

Instrument :
BNA_P
ClientSampleId :
PB168098BL

Tgt Ion:152 Resp: 115351

Ion	Ratio	Lower	Upper
152	100		
150	153.2	125.9	188.9
115	61.8	50.1	75.1

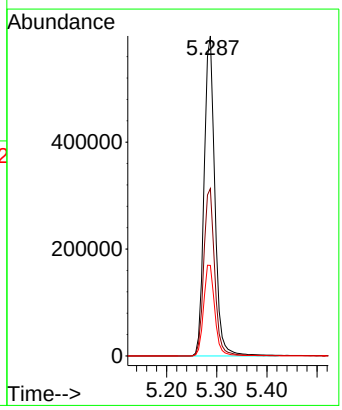


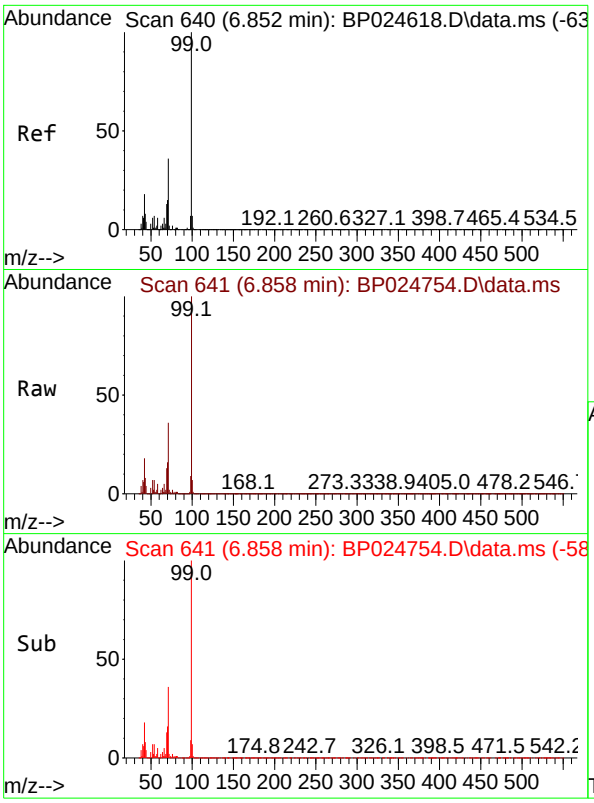


#5
2-Fluorophenol
Concen: 132.705 ng
RT: 5.287 min Scan# 374
Delta R.T. 0.000 min
Lab File: BP024754.D
Acq: 22 May 2025 11:37

Tgt Ion:112 Resp: 894994

Ion	Ratio	Lower	Upper
112	100		
64	52.3	44.1	66.1
63	28.3	23.5	35.3



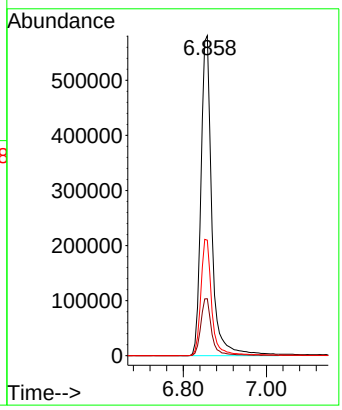


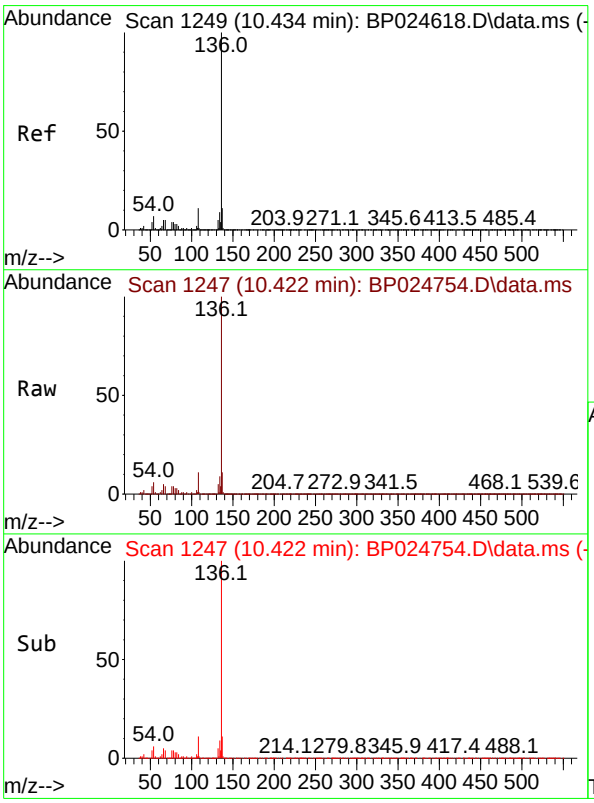
#7
Phenol-d6
Concen: 122.835 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024754.D
Acq: 22 May 2025 11:37

Instrument :
BNA_P
ClientSampleId :
PB168098BL

Tgt Ion: 99 Resp: 1057300

Ion	Ratio	Lower	Upper
99	100		
42	17.8	14.4	21.6
71	36.1	29.2	43.8

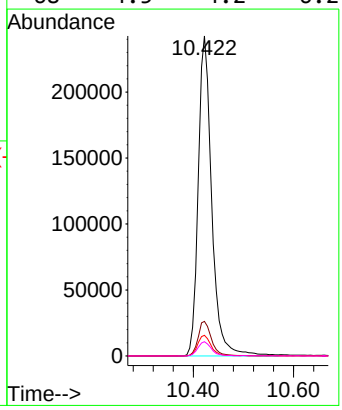


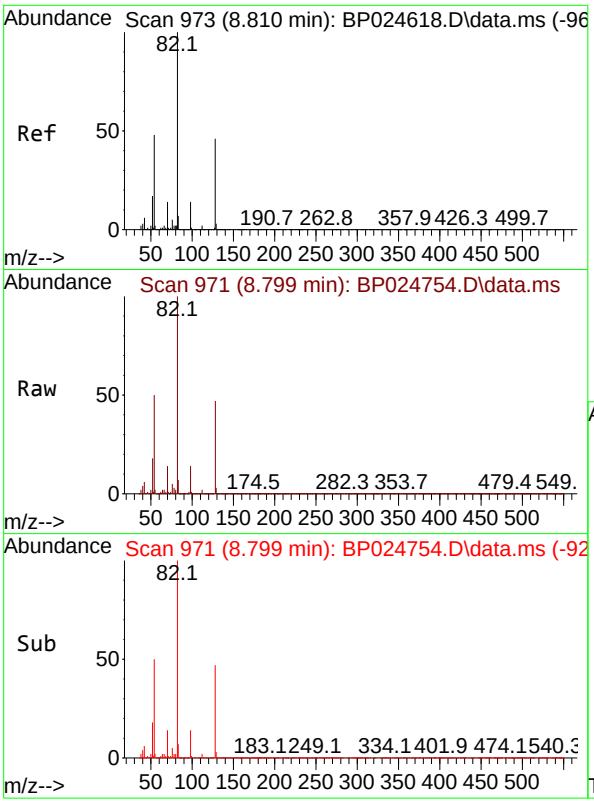


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.422 min Scan# 1247
Delta R.T. -0.012 min
Lab File: BP024754.D
Acq: 22 May 2025 11:37

Tgt Ion:136 Resp: 453620

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	6.5	5.5	8.3
68	4.5	4.2	6.2



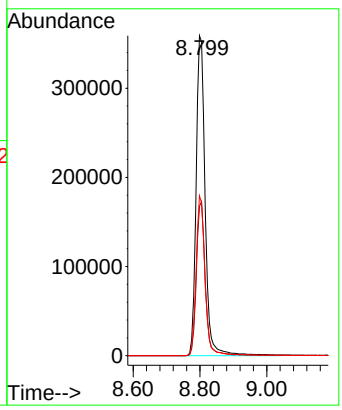


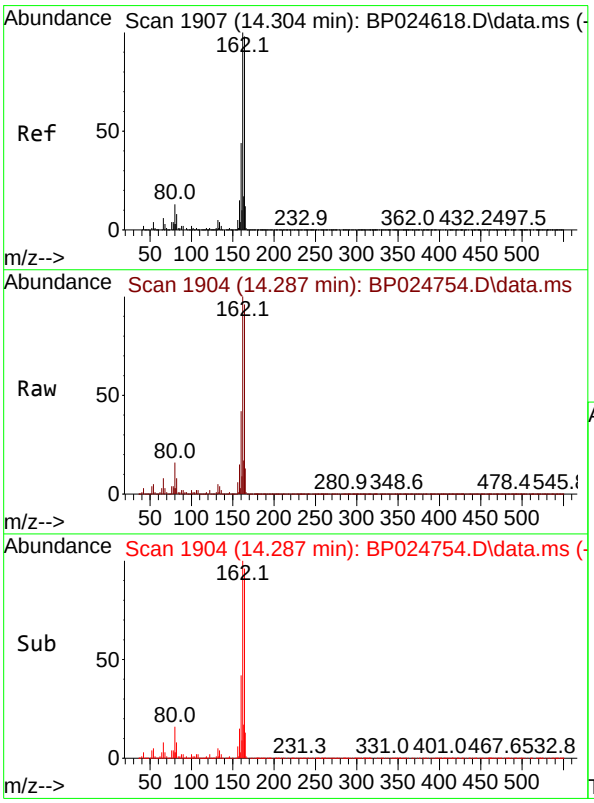
#23
Nitrobenzene-d5
Concen: 75.019 ng
RT: 8.799 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP024754.D
Acq: 22 May 2025 11:37

Instrument :
BNA_P
ClientSampleId :
PB168098BL

Tgt Ion: 82 Resp: 673508

Ion	Ratio	Lower	Upper
82	100		
128	46.7	37.0	55.4
54	50.0	38.7	58.1

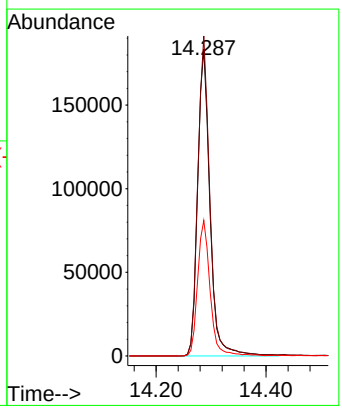


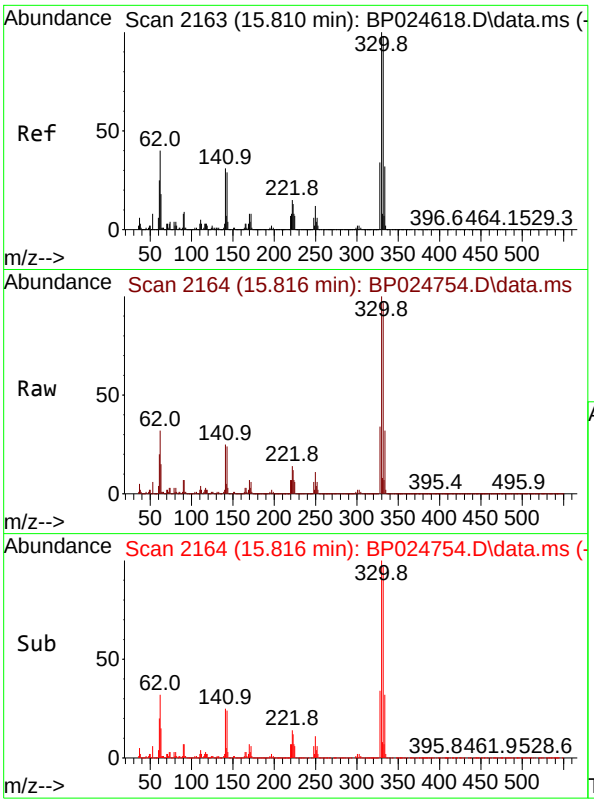


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.287 min Scan# 1904
Delta R.T. -0.018 min
Lab File: BP024754.D
Acq: 22 May 2025 11:37

Tgt Ion:164 Resp: 285428

Ion	Ratio	Lower	Upper
164	100		
162	104.3	81.8	122.6
160	44.2	36.3	54.5



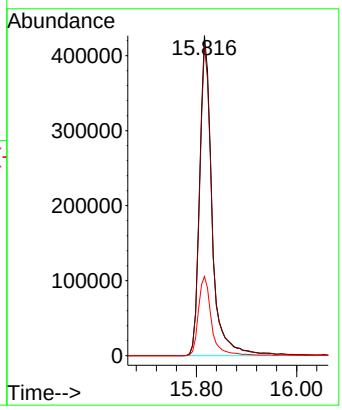


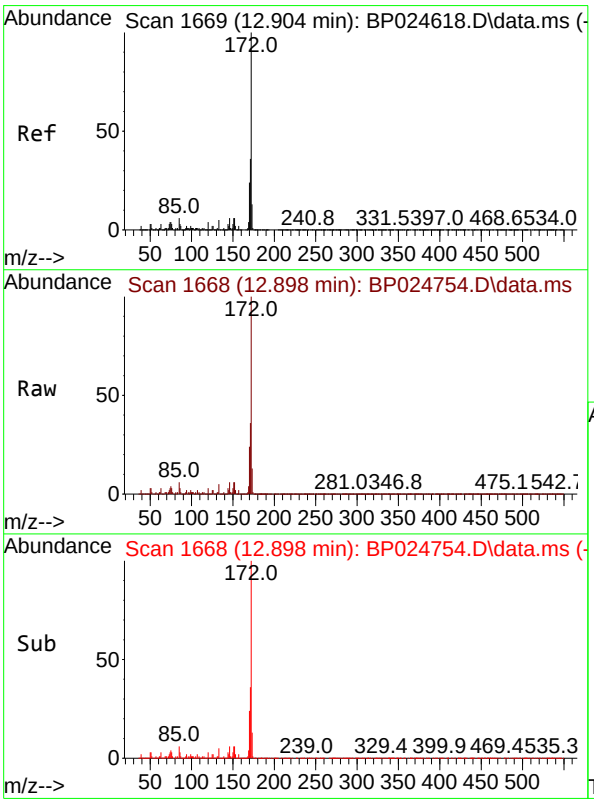
#42
2,4,6-Tribromophenol
Concen: 151.706 ng
RT: 15.816 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024754.D
Acq: 22 May 2025 11:37

Instrument :
BNA_P
ClientSampleId :
PB168098BL

Tgt Ion:330 Resp: 734079

Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.2	117.4
141	26.0	24.3	36.5

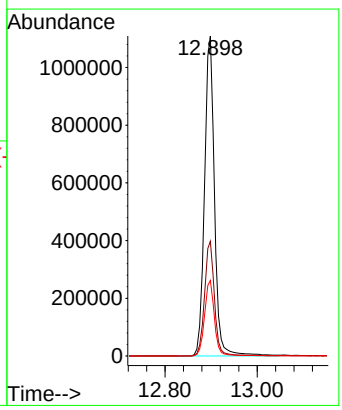


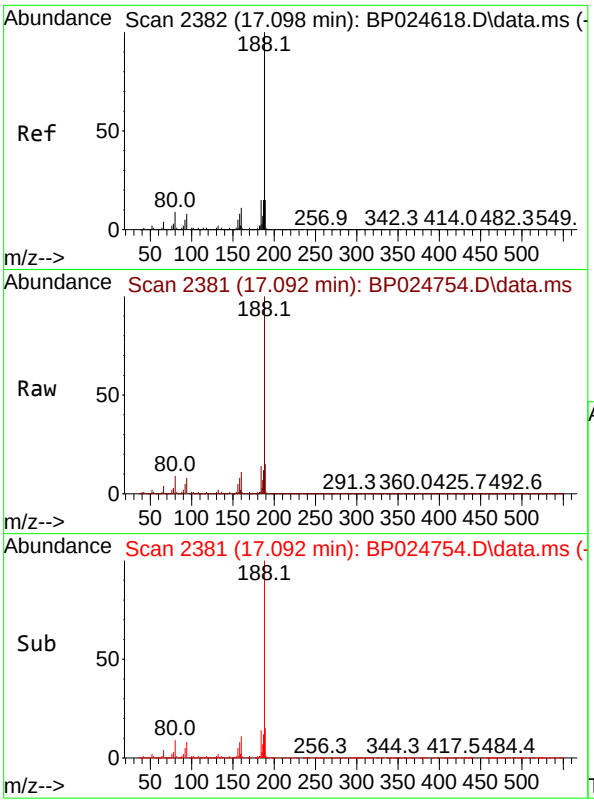


#45
2-Fluorobiphenyl
Concen: 77.276 ng
RT: 12.898 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BP024754.D
Acq: 22 May 2025 11:37

Tgt Ion:172 Resp: 1683571

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.8	43.2
170	23.6	18.8	28.2



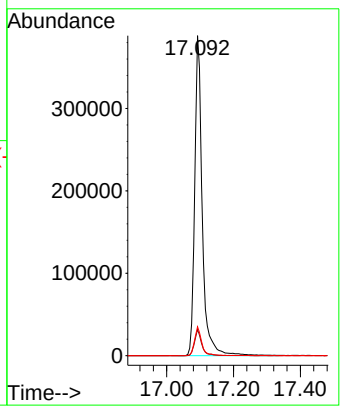


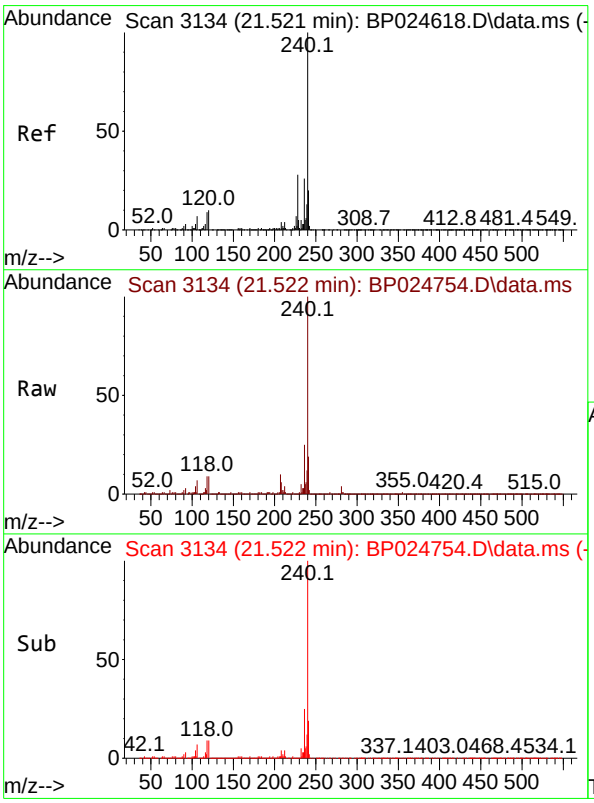
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.092 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024754.D
Acq: 22 May 2025 11:37

Instrument :
BNA_P
ClientSampleId :
PB168098BL

Tgt Ion:188 Resp: 613349

Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.5	9.7
80	9.0	7.3	10.9

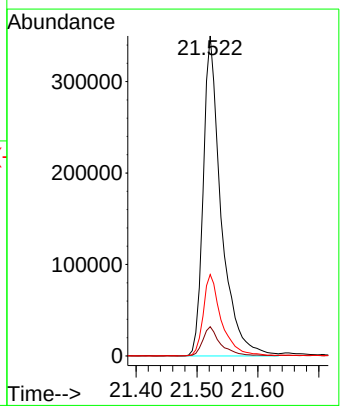


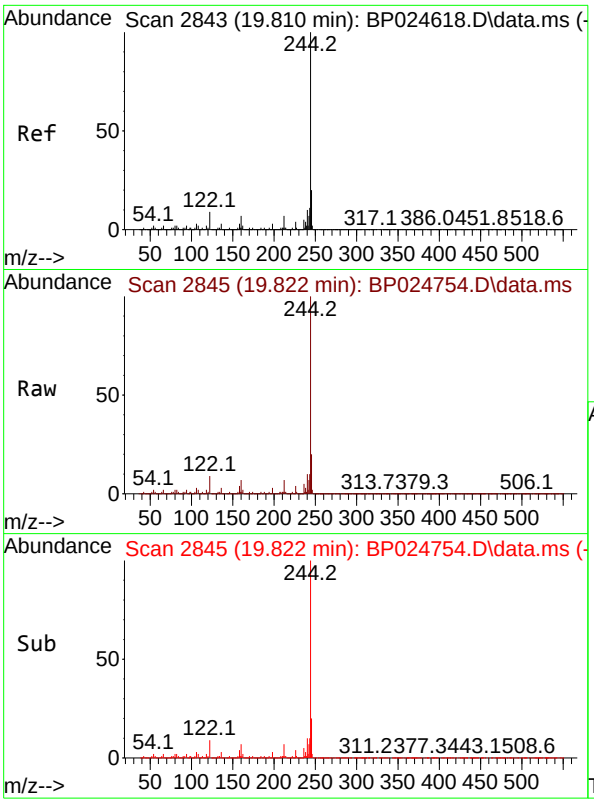


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.522 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP024754.D
Acq: 22 May 2025 11:37

Tgt Ion:240 Resp: 715536

Ion	Ratio	Lower	Upper
240	100		
120	9.2	7.8	11.6
236	25.4	20.6	31.0



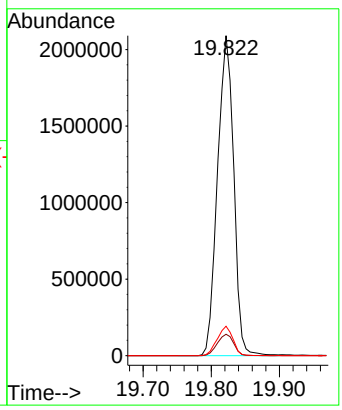


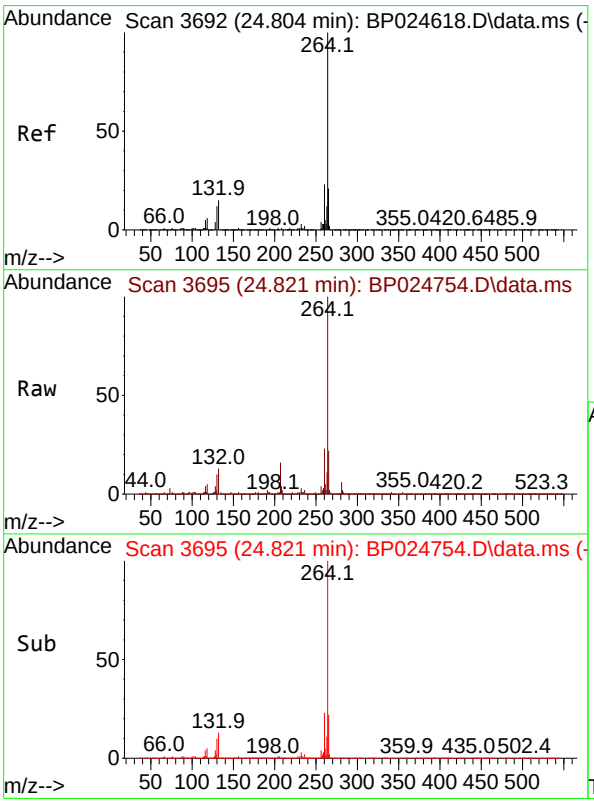
#79
Terphenyl-d14
Concen: 83.024 ng
RT: 19.822 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024754.D
Acq: 22 May 2025 11:37

Instrument :
BNA_P
ClientSampleId :
PB168098BL

Tgt Ion:244 Resp: 3464548

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.5	8.3
122	9.2	7.4	11.0

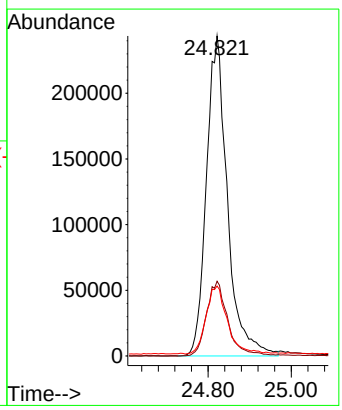




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.821 min Scan# 3695
Delta R.T. 0.018 min
Lab File: BP024754.D
Acq: 22 May 2025 11:37

Tgt Ion:264 Resp: 855120

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	21.8	17.0	25.6



Sample Results: **BP024754.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024754.D
Acq On : 22 May 2025 11:37
Operator : RC/JU
Sample : PB168098BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168098BL

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

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

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

Signal : TIC: BP024754.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.817	289	294	305	rBV	167951	245360	2.67%	0.696%
2	5.287	367	374	393	rBV	1996534	3035991	33.06%	8.608%
3	6.858	633	641	663	rBV	1632502	2994622	32.61%	8.491%
4	7.652	769	776	789	rBV	417926	669511	7.29%	1.898%
5	8.799	964	971	992	rBV	1061924	1997168	21.75%	5.662%
6	10.422	1239	1247	1267	rBV	483347	907210	9.88%	2.572%
7	12.898	1660	1668	1691	rBV	3226526	4912047	53.49%	13.927%
8	14.287	1897	1904	1923	rBV	781372	1224011	13.33%	3.470%
9	15.816	2155	2164	2189	rBV	2666622	4709882	51.29%	13.354%
10	17.092	2375	2381	2397	rBV	961914	1507216	16.41%	4.273%
11	19.822	2838	2845	2856	rBV	5540480	9183714	100.00%	26.038%
12	21.522	3128	3134	3159	rBV2	926946	1917826	20.88%	5.438%
13	24.821	3685	3695	3709	rBV	596760	1965620	21.40%	5.573%

Sum of corrected areas: 35270178

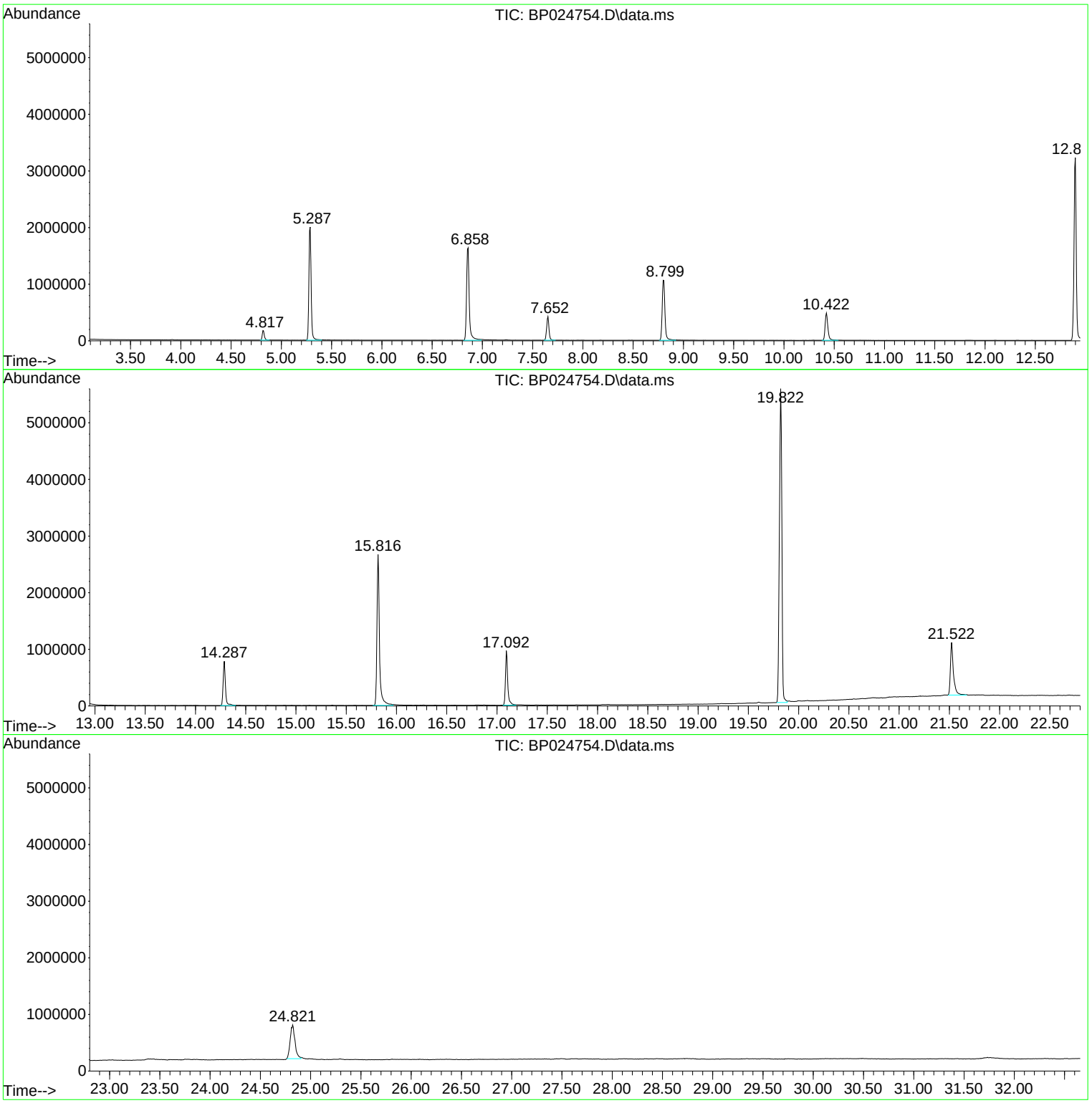
Sample Results: **BP024754.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024754.D
Acq On : 22 May 2025 11:37
Operator : RC/JU
Sample : PB168098BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168098BL

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

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024754.D
Acq On : 22 May 2025 11:37
Operator : RC/JU
Sample : PB168098BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168098BL

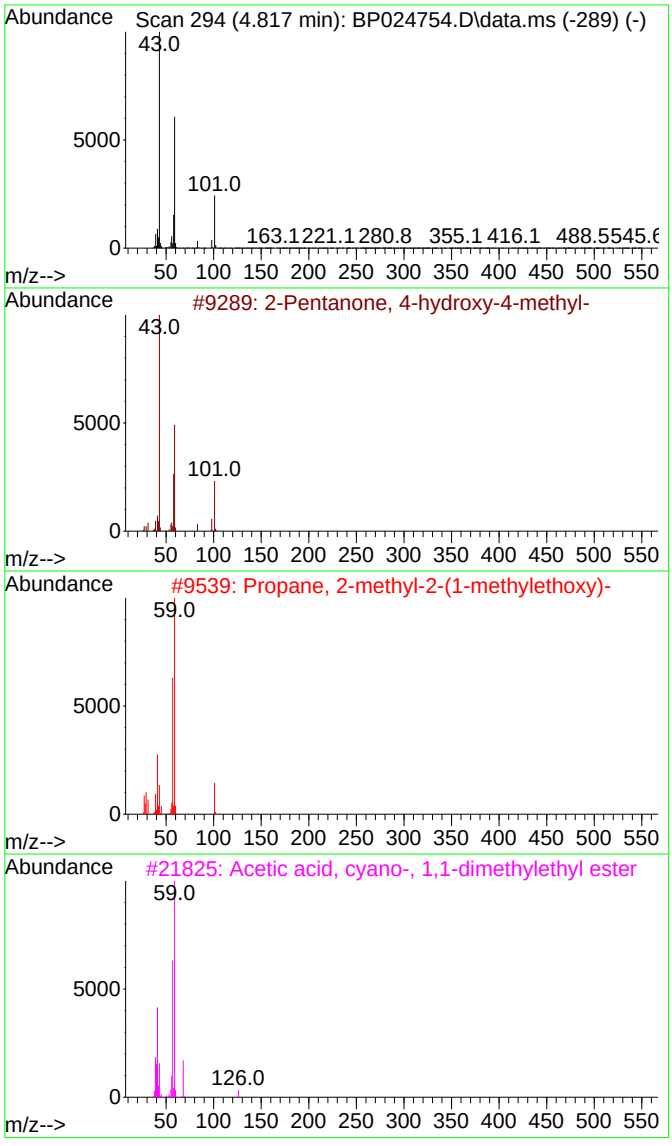
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

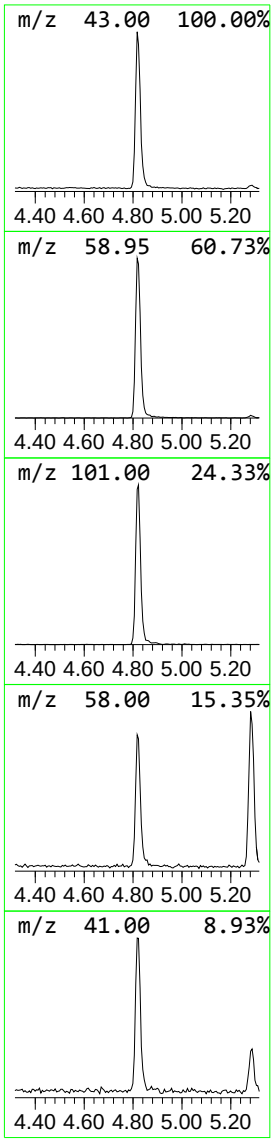
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.817	7.33 ng	245360	1,4-Dichlorobenzene-d4	7.652

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	50
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Sample Results: **BP024754.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024754.D
Acq On : 22 May 2025 11:37
Operator : RC/JU
Sample : PB168098BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168098BL

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	4.817	7.3	ng	245360	1	7.652	669511	20.0

Raw Data: **BP024755.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	PB168098BS	SDG No.:	Q2073
Lab Sample ID:	PB168098BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024755.D	1	05/21/25 08:40	05/22/25 12:18	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	34.3		3.90	10.0	ug/L
111-44-4	bis(2-Chloroethyl)ether	37.4		0.81	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	37.1		1.30	5.00	ug/L
98-86-2	Acetophenone	41.6		0.74	5.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine	36.0		1.40	2.50	ug/L
67-72-1	Hexachloroethane	40.0		0.65	5.00	ug/L
98-95-3	Nitrobenzene	41.3		0.76	5.00	ug/L
78-59-1	Isophorone	38.8		0.75	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	39.5		0.68	5.00	ug/L
91-20-3	Naphthalene	43.0		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	17.3		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	44.1		0.54	5.00	ug/L
105-60-2	Caprolactam	42.6		1.10	10.0	ug/L
91-57-6	2-Methylnaphthalene	41.6		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	80.6	E	3.60	10.0	ug/L
92-52-4	1,1-Biphenyl	42.9		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	43.4		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	43.0		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	42.1		0.61	5.00	ug/L
208-96-8	Acenaphthylene	42.4		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	43.8		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	20.5		1.10	5.00	ug/L
83-32-9	Acenaphthene	42.1		0.55	5.00	ug/L
132-64-9	Dibenzofuran	43.3		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	46.5		1.20	5.00	ug/L
84-66-2	Diethylphthalate	43.5		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	43.9		0.68	5.00	ug/L
86-73-7	Fluorene	44.1		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	46.3		1.50	5.00	ug/L

Raw Data: **BP024755.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	PB168098BS	SDG No.:	Q2073
Lab Sample ID:	PB168098BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024755.D	1	05/21/25 08:40	05/22/25 12:18	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
86-30-6	n-Nitrosodiphenylamine	43.9		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	45.8		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	45.5		0.52	5.00	ug/L
1912-24-9	Atrazine	46.4		1.00	5.00	ug/L
85-01-8	Phenanthrene	43.2		0.50	5.00	ug/L
120-12-7	Anthracene	44.5		0.61	5.00	ug/L
86-74-8	Carbazole	45.5		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	44.8		1.20	5.00	ug/L
206-44-0	Fluoranthene	46.0		0.82	5.00	ug/L
129-00-0	Pyrene	44.5		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	46.1		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	31.3		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	43.9		0.45	5.00	ug/L
218-01-9	Chrysene	44.1		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	44.2		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	46.3		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	44.2		0.49	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	44.0		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	44.8		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	45.7		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	46.0		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	44.9		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	44.9		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	31.3		1.00	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	72.8		30 (49) - 130 (133)	73%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.3		30 (52) - 130 (132)	76%	SPK: 100
1718-51-0	Terphenyl-d14	77.9		30 (48) - 130 (125)	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	115000	7.652			

Raw Data: **BP024755.D**

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Nelson			Date Received:	
Client Sample ID:	PB168098BS			SDG No.:	Q2073
Lab Sample ID:	PB168098BS			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group2
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024755.D	1	05/21/25 08:40	05/22/25 12:18	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1146-65-2	Naphthalene-d8	452000	10.422			
15067-26-2	Acenaphthene-d10	283000	14.287			
1517-22-2	Phenanthrene-d10	569000	17.087			
1719-03-5	Chrysene-d12	655000	21.522			
1520-96-3	Perylene-d12	755000	24.821			

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\BP052225\
Data File : BP024755.D
Acq On : 22 May 2025 12:18
Operator : RC/JU
Sample : PB168098BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Quant Time: May 22 12:38:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.652	152	114889	20.000	ng		-0.01
21) Naphthalene-d8	10.422	136	451979	20.000	ng		-0.01
39) Acenaphthene-d10	14.287	164	283120	20.000	ng		-0.02
64) Phenanthrene-d10	17.087	188	568580	20.000	ng		-0.01
76) Chrysene-d12	21.522	240	655197	20.000	ng		0.00
86) Perylene-d12	24.821	264	754804	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.287	112	867127	129.090	ng		0.00
7) Phenol-d6	6.858	99	1057180	123.315	ng		0.00
23) Nitrobenzene-d5	8.805	82	651125	72.789	ng		0.00
42) 2,4,6-Tribromophenol	15.810	330	680647	141.810	ng		0.00
45) 2-Fluorobiphenyl	12.899	172	1649799	76.344	ng		0.00
79) Terphenyl-d14	19.810	244	2976627	77.900	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.223	88	98847	31.338	ng		98
3) Pyridine	3.617	79	239621	34.261	ng		97
4) n-Nitrosodimethylamine	3.528	42	124929	40.460	ng		94
6) Aniline	6.993	93	218881	19.775	ng		97
8) 2-Chlorophenol	7.234	128	341699	44.810	ng		97
9) Benzaldehyde	6.811	77	190341	34.298	ng		98
10) Phenol	6.881	94	377815	42.699	ng		97
11) bis(2-Chloroethyl)ether	7.087	93	272267	37.447	ng		99
12) 1,3-Dichlorobenzene	7.540	146	357815	40.785	ng		99
13) 1,4-Dichlorobenzene	7.687	146	366569	41.544	ng		100
14) 1,2-Dichlorobenzene	7.999	146	353360	41.098	ng		98
15) Benzyl Alcohol	7.899	79	276507	42.443	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.169	45	322660	37.056	ng		98
17) 2-Methylphenol	8.111	107	269118	42.405	ng		99
18) Hexachloroethane	8.716	117	135259	40.002	ng		98
19) n-Nitroso-di-n-propyla...	8.452	70	213658	36.029	ng		98
20) 3+4-Methylphenols	8.440	107	358510	41.529	ng		99
22) Acetophenone	8.469	105	469924	41.622	ng	#	99
24) Nitrobenzene	8.846	77	325051	41.292	ng		95
25) Isophorone	9.363	82	601615	38.772	ng		98
26) 2-Nitrophenol	9.546	139	182128	47.215	ng		99
27) 2,4-Dimethylphenol	9.622	122	307524	45.217	ng		99
28) bis(2-Chloroethoxy)met...	9.840	93	366188	39.501	ng		99
29) 2,4-Dichlorophenol	10.093	162	308337	46.784	ng		97
30) 1,2,4-Trichlorobenzene	10.287	180	324103	43.639	ng		98
31) Naphthalene	10.469	128	1006478	42.972	ng		100
32) Benzoic acid	9.799	122	216738m	46.123	ng		
33) 4-Chloroaniline	10.599	127	163881	17.339	ng		99
34) Hexachlorobutadiene	10.752	225	212260	44.118	ng		98
35) Caprolactam	11.393	113	101647	42.629	ng		99
36) 4-Chloro-3-methylphenol	11.740	107	356727	44.385	ng		100
37) 2-Methylnaphthalene	12.087	142	630369	41.565	ng		99
38) 1-Methylnaphthalene	12.304	142	667666	41.145	ng		100
40) 1,2,4,5-Tetrachloroben...	12.457	216	369018	44.885	ng		100
41) Hexachlorocyclopentadiene	12.434	237	401704	80.579	ng		99
43) 2,4,6-Trichlorophenol	12.710	196	254724	47.834	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024755.D
Acq On : 22 May 2025 12:18
Operator : RC/JU
Sample : PB168098BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Quant Time: May 22 12:38:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

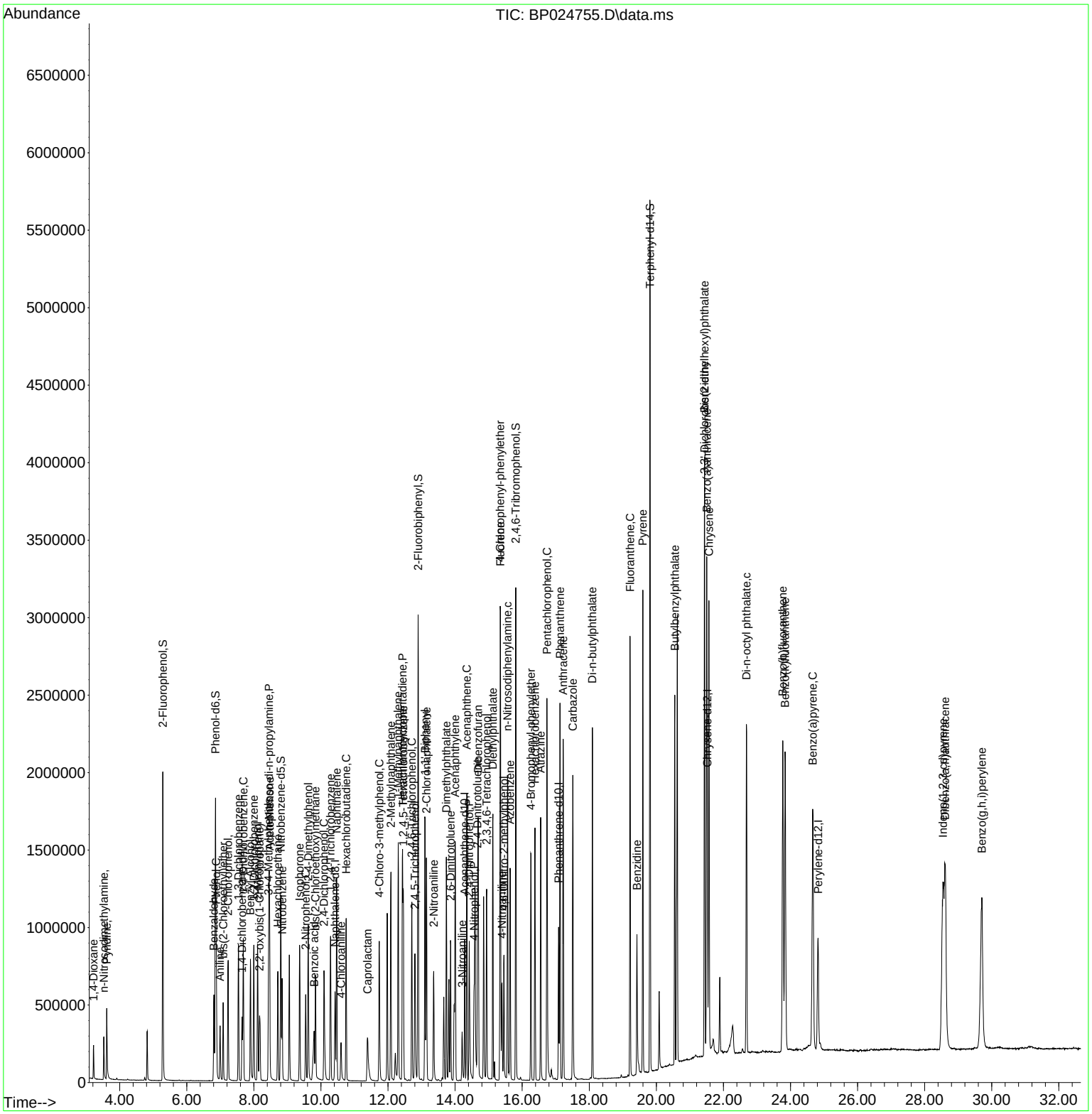
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	12.804	196	275492	46.476	ng		96
46)	1,1'-Biphenyl	13.104	154	898517	42.938	ng		99
47)	2-Chloronaphthalene	13.146	162	691903	43.365	ng		100
48)	2-Nitroaniline	13.363	65	202885	42.950	ng		95
49)	Acenaphthylene	14.004	152	1133108	42.437	ng		99
50)	Dimethylphthalate	13.740	163	908339	42.093	ng		100
51)	2,6-Dinitrotoluene	13.869	165	199396	43.751	ng		98
52)	Acenaphthene	14.351	154	646760	42.134	ng		99
53)	3-Nitroaniline	14.210	138	95294	20.478	ng		98
54)	2,4-Dinitrophenol	14.422	184	262431	90.411	ng		98
55)	Dibenzofuran	14.687	168	1059440	43.271	ng		99
56)	4-Nitrophenol	14.569	139	313522	77.936	ng		97
57)	2,4-Dinitrotoluene	14.669	165	298529	46.462	ng		96
58)	Fluorene	15.351	166	879435	44.051	ng		99
59)	2,3,4,6-Tetrachlorophenol	14.940	232	251432	45.726	ng		97
60)	Diethylphthalate	15.128	149	949347	43.527	ng		99
61)	4-Chlorophenyl-phenyle...	15.345	204	437310	43.923	ng		97
62)	4-Nitroaniline	15.398	138	208254m	46.348	ng		
63)	Azobenzene	15.640	77	764105	40.952	ng		97
65)	4,6-Dinitro-2-methylph...	15.457	198	172573	46.989	ng		97
66)	n-Nitrosodiphenylamine	15.563	169	767455	43.944	ng		98
67)	4-Bromophenyl-phenylether	16.263	248	306650	45.770	ng		96
68)	Hexachlorobenzene	16.381	284	387062	45.465	ng		97
69)	Atrazine	16.551	200	296861	46.383	ng		98
70)	Pentachlorophenol	16.739	266	505930	105.866	ng		98
71)	Phenanthrene	17.128	178	1366718	43.239	ng		100
72)	Anthracene	17.222	178	1415016	44.495	ng		100
73)	Carbazole	17.510	167	1309469	45.494	ng		99
74)	Di-n-butylphthalate	18.092	149	1657555	44.777	ng		99
75)	Fluoranthene	19.216	202	1698716	45.976	ng		99
77)	Benzidine	19.422	184	600097	33.628	ng		100
78)	Pyrene	19.598	202	1745500	44.462	ng		100
80)	Butylbenzylphthalate	20.551	149	804165	46.059	ng		94
81)	Benzo(a)anthracene	21.504	228	1807550	43.936	ng		99
82)	3,3'-Dichlorobenzidine	21.433	252	478160	31.292	ng		100
83)	Chrysene	21.569	228	1721196	44.134	ng		100
84)	Bis(2-ethylhexyl)phtha...	21.439	149	1135308	44.240	ng		99
85)	Di-n-octyl phthalate	22.686	149	1942063	46.278	ng		99
87)	Indeno(1,2,3-cd)pyrene	28.545	276	2517163	45.679	ng	#	91
88)	Benzo(b)fluoranthene	23.769	252	1911502	44.244	ng		99
89)	Benzo(k)fluoranthene	23.839	252	1959499	44.015	ng		100
90)	Benzo(a)pyrene	24.663	252	1856955	44.753	ng		99
91)	Dibenzo(a,h)anthracene	28.609	278	2060035	45.952	ng		98
92)	Benzo(g,h,i)perylene	29.703	276	2002260	44.913	ng		98

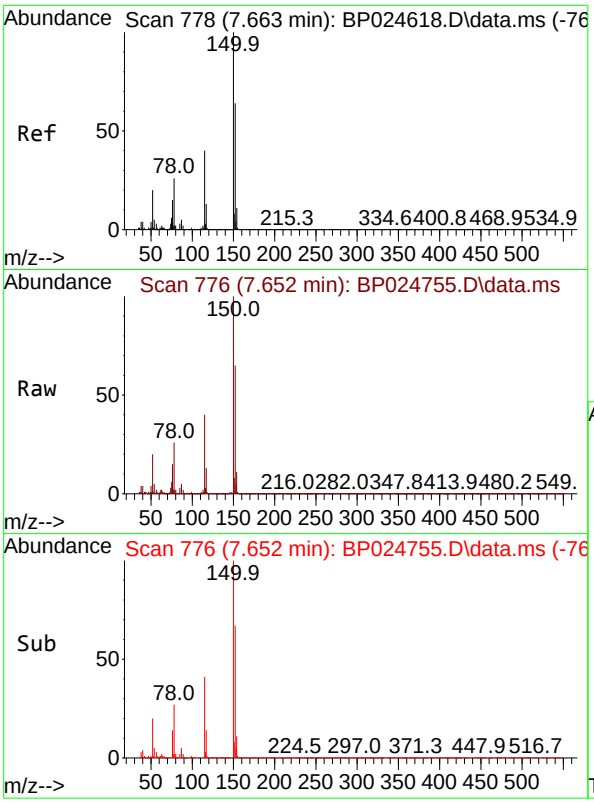
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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024755.D
Acq On : 22 May 2025 12:18
Operator : RC/JU
Sample : PB168098BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Quant Time: May 22 12:38:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



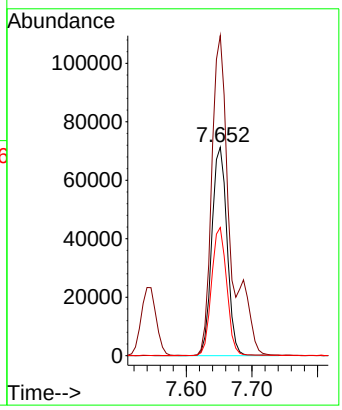


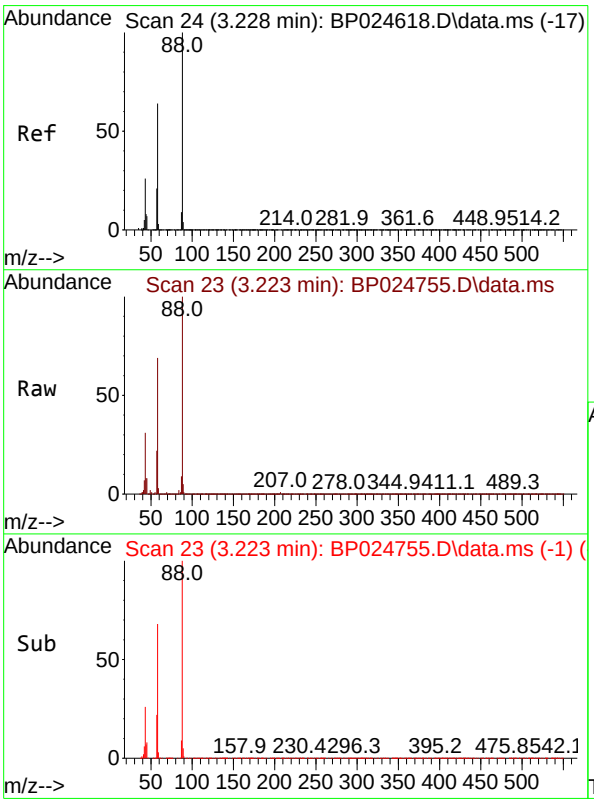
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.652 min Scan# 7
Delta R.T. -0.011 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:152 Resp: 114889

Ion	Ratio	Lower	Upper
152	100		
150	153.4	125.9	188.9
115	61.5	50.1	75.1

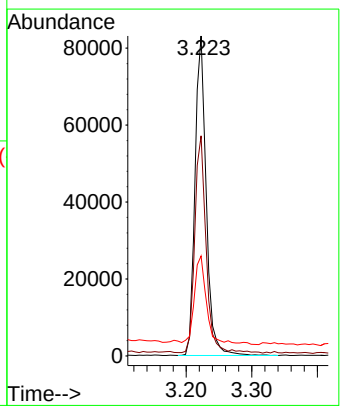


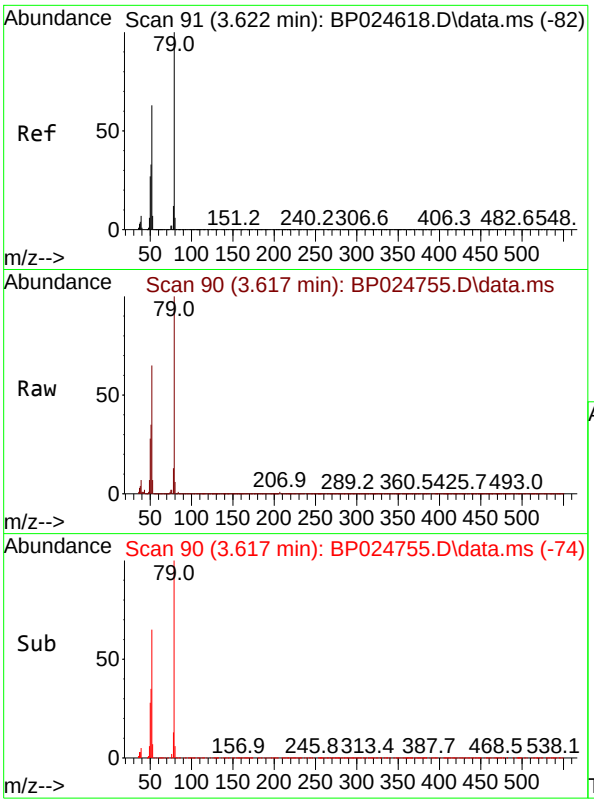


#2
1,4-Dioxane
Concen: 31.338 ng
RT: 3.223 min Scan# 23
Delta R.T. -0.006 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion: 88 Resp: 98847

Ion	Ratio	Lower	Upper
88	100		
58	69.0	54.0	81.0
43	28.1	21.4	32.0



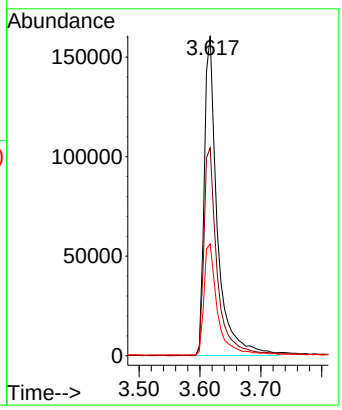


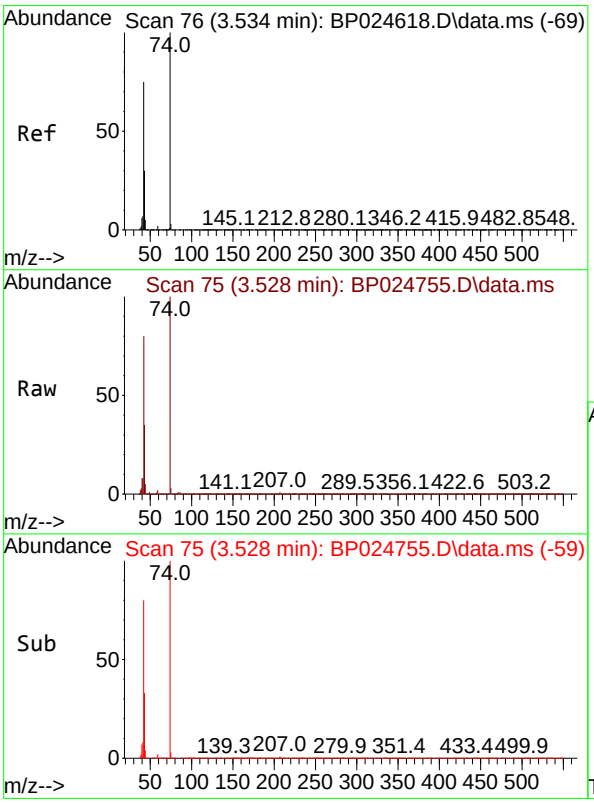
#3
Pyridine
Concen: 34.261 ng
RT: 3.617 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion: 79 Resp: 239621

Ion	Ratio	Lower	Upper
79	100		
52	65.0	50.2	75.2
51	34.9	26.8	40.2

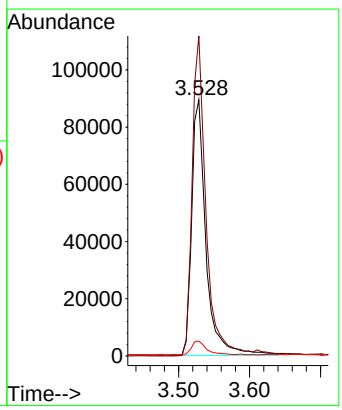


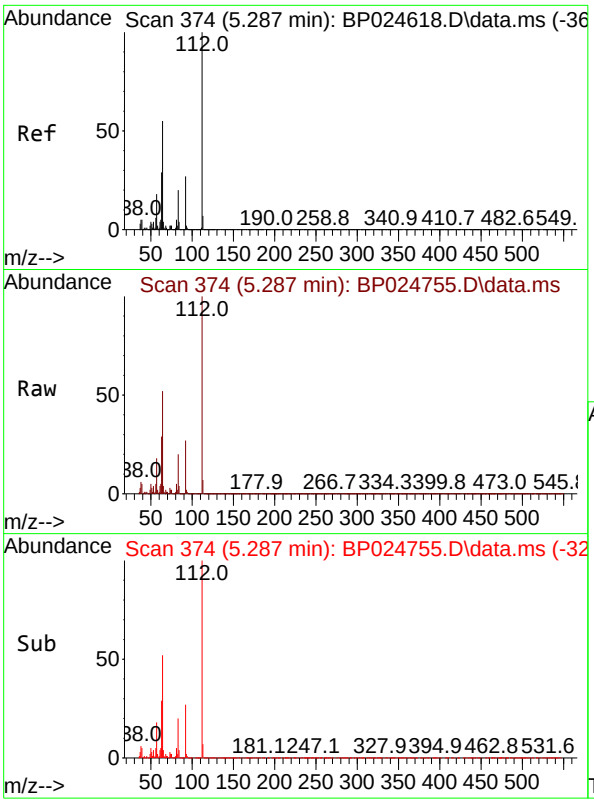


#4
n-Nitrosodimethylamine
Concen: 40.460 ng
RT: 3.528 min Scan# 75
Delta R.T. -0.006 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion: 42 Resp: 124929

Ion	Ratio	Lower	Upper
42	100		
74	124.9	106.2	159.2
44	5.8	5.4	8.2



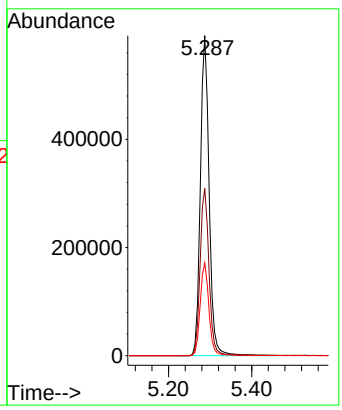


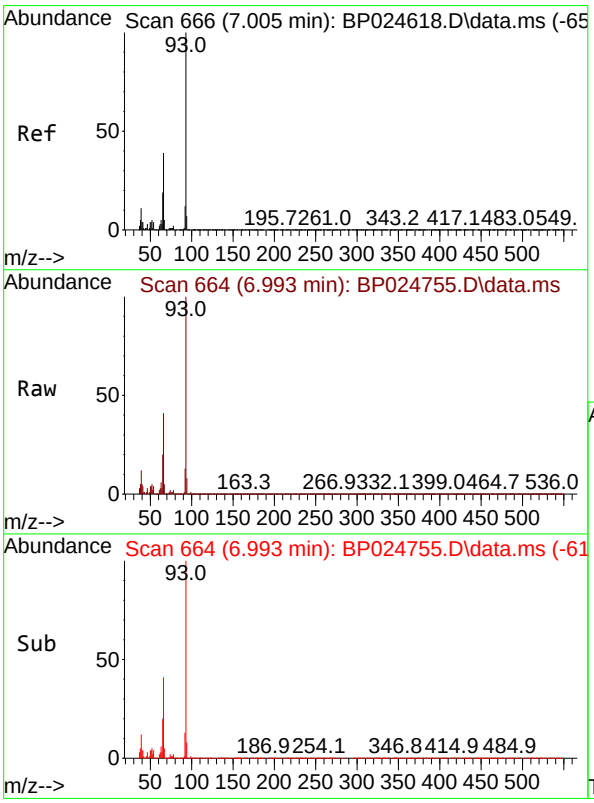
#5
2-Fluorophenol
Concen: 129.090 ng
RT: 5.287 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:112 Resp: 867127

Ion	Ratio	Lower	Upper
112	100		
64	52.2	44.1	66.1
63	29.0	23.5	35.3

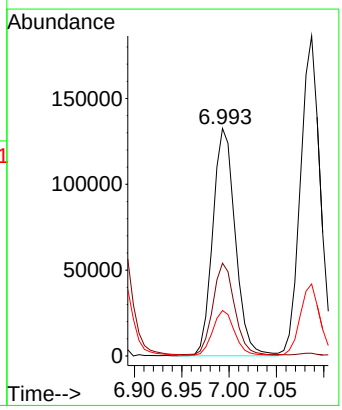


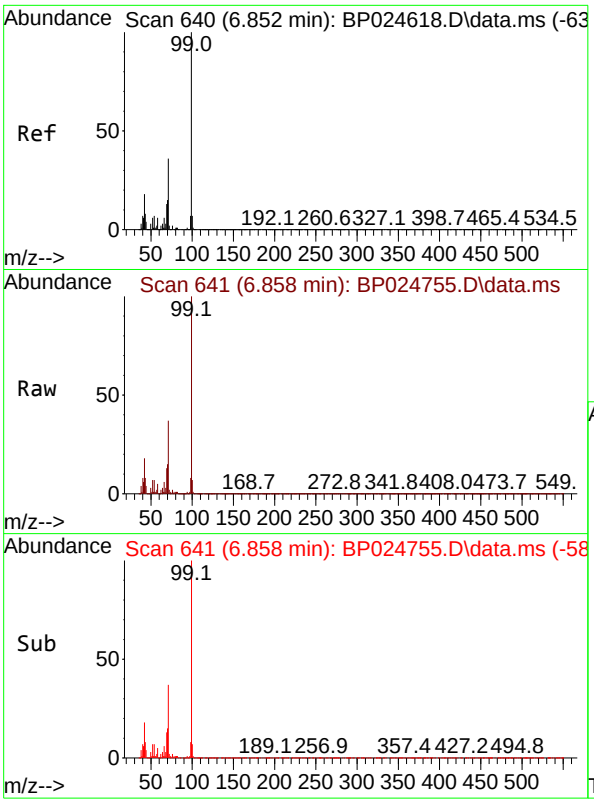


#6
Aniline
Concen: 19.775 ng
RT: 6.993 min Scan# 664
Delta R.T. -0.012 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion: 93 Resp: 218881

Ion	Ratio	Lower	Upper
93	100		
66	40.8	31.0	46.6
65	20.0	15.5	23.3



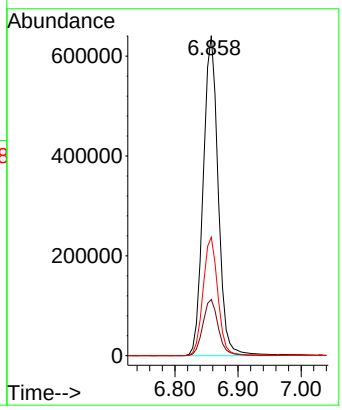


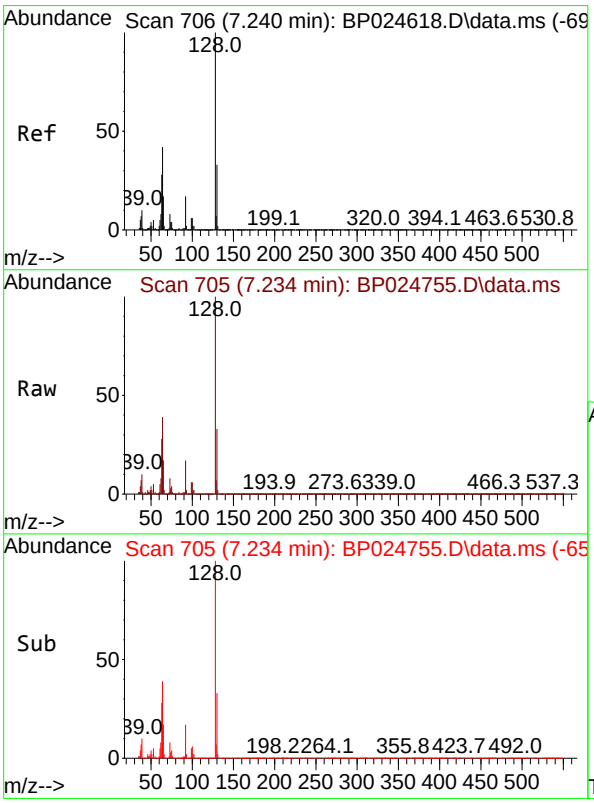
#7
Phenol-d6
Concen: 123.315 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion: 99 Resp: 1057180

Ion	Ratio	Lower	Upper
99	100		
42	17.6	14.4	21.6
71	37.0	29.2	43.8

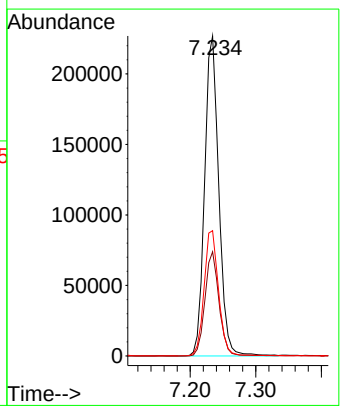


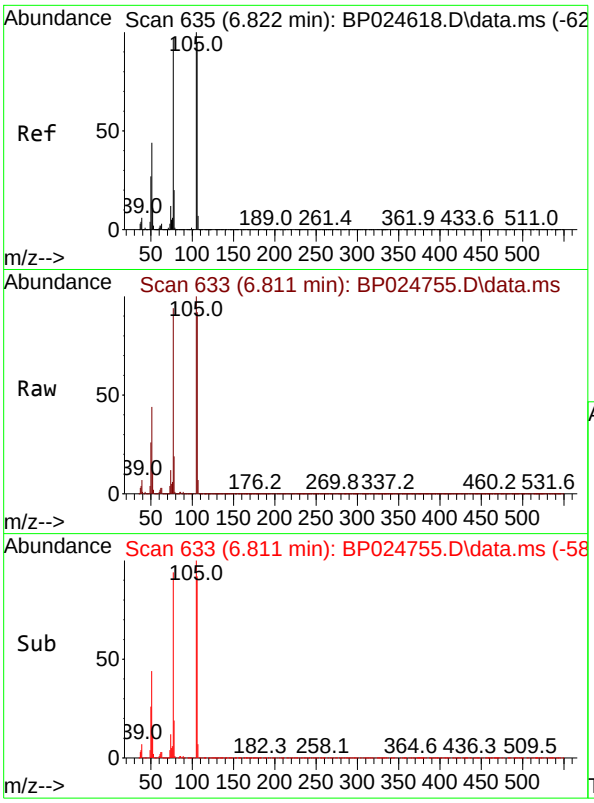


#8
2-Chlorophenol
Concen: 44.810 ng
RT: 7.234 min Scan# 705
Delta R.T. -0.006 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:128 Resp: 341699

Ion	Ratio	Lower	Upper
128	100		
130	32.5	13.0	53.0
64	39.2	22.3	62.3



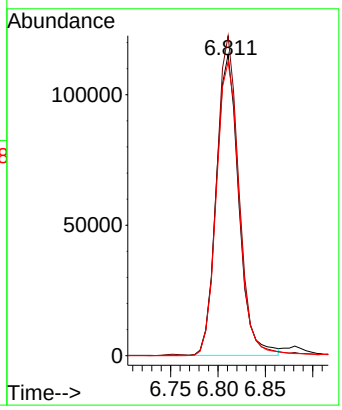


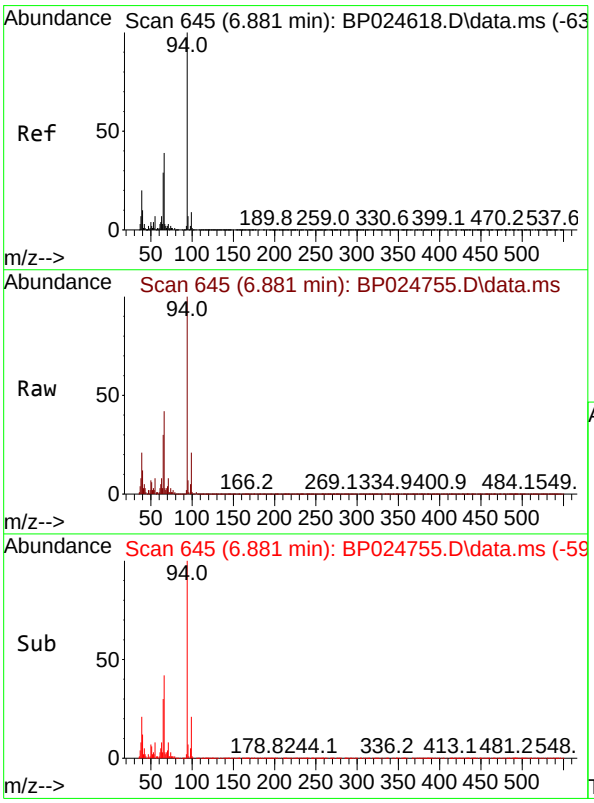
#9
Benzaldehyde
Concen: 34.298 ng
RT: 6.811 min Scan# 6
Delta R.T. -0.012 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion: 77 Resp: 190341

Ion	Ratio	Lower	Upper
77	100		
105	106.3	83.3	123.3
106	97.5	78.0	118.0

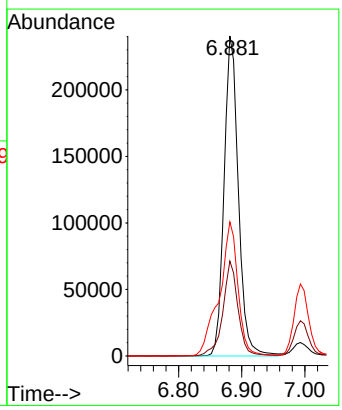


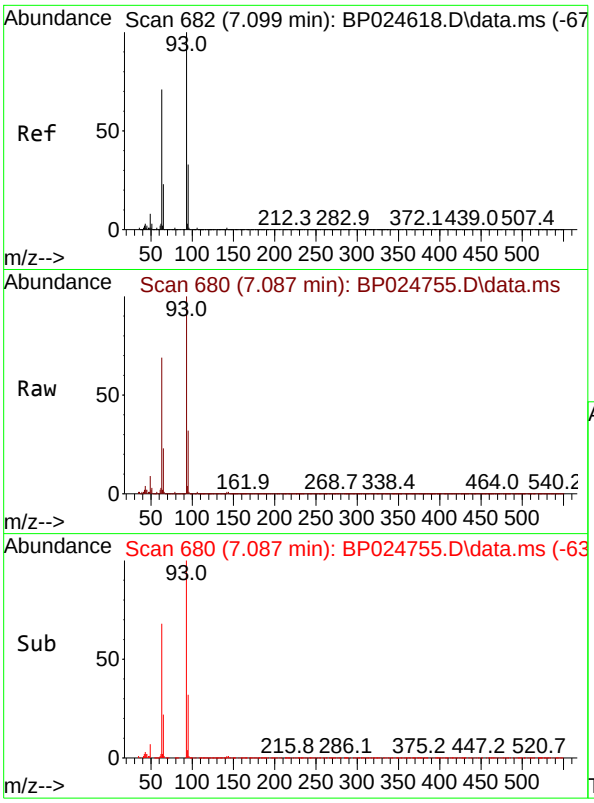


#10
Phenol
Concen: 42.699 ng
RT: 6.881 min Scan# 645
Delta R.T. 0.000 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion: 94 Resp: 377815

Ion	Ratio	Lower	Upper
94	100		
65	29.7	8.7	48.7
66	41.9	19.4	59.4



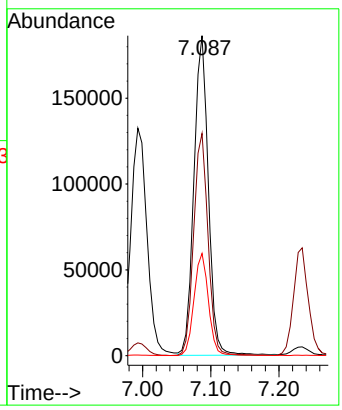


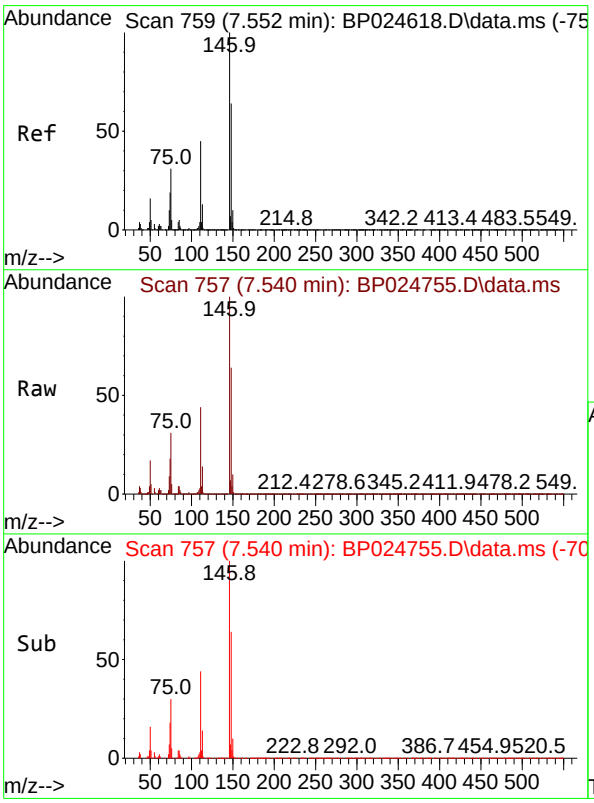
#11
bis(2-Chloroethyl)ether
Concen: 37.447 ng
RT: 7.087 min Scan# 6
Delta R.T. -0.012 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion: 93 Resp: 272267

Ion	Ratio	Lower	Upper
93	100		
63	69.5	50.6	90.6
95	32.0	12.9	52.9

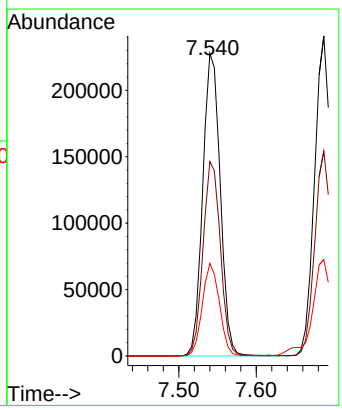


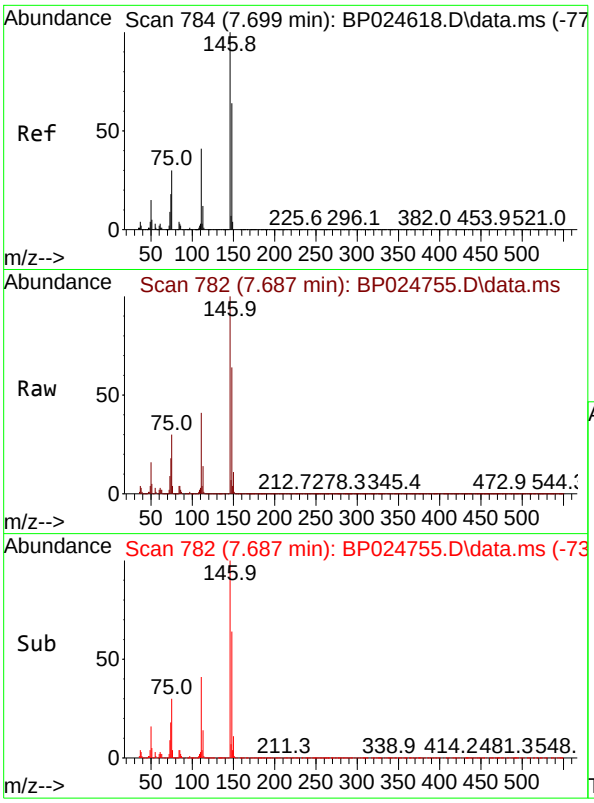


#12
1,3-Dichlorobenzene
Concen: 40.785 ng
RT: 7.540 min Scan# 757
Delta R.T. -0.012 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:146 Resp: 357815

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.2
75	30.6	25.2	37.8



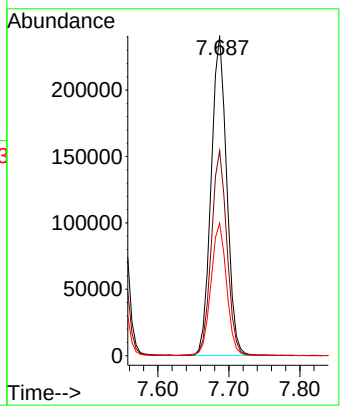


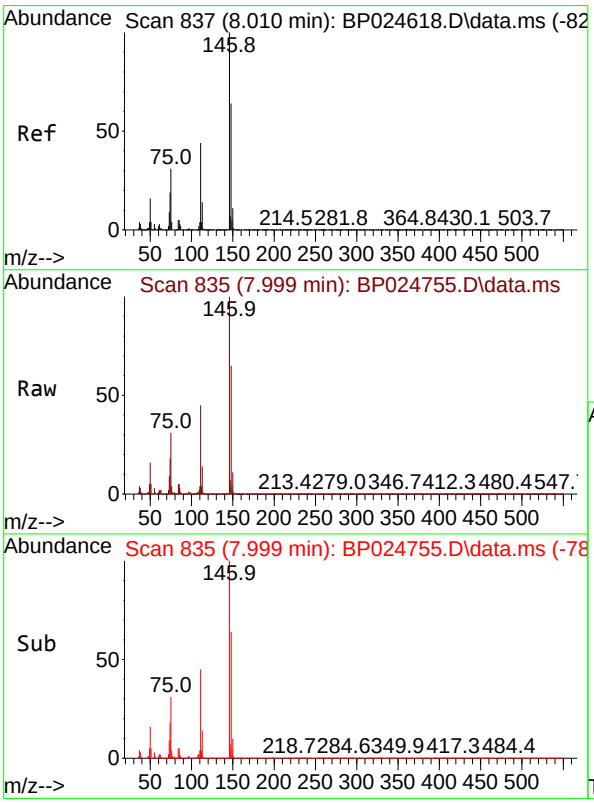
#13
1,4-Dichlorobenzene
Concen: 41.544 ng
RT: 7.687 min Scan# 7
Delta R.T. -0.012 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:146 Resp: 366569

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.0	76.6
111	41.4	33.0	49.6

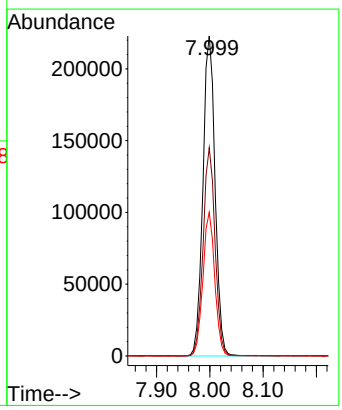


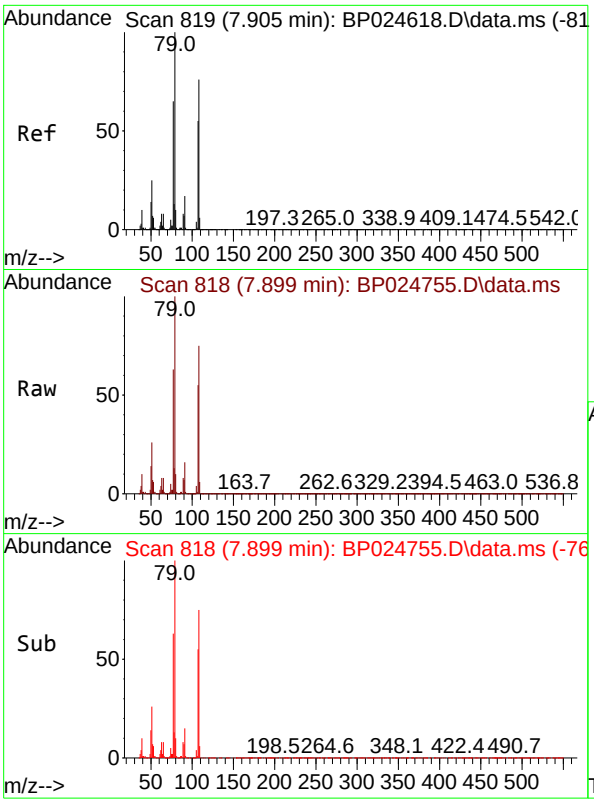


#14
1,2-Dichlorobenzene
Concen: 41.098 ng
RT: 7.999 min Scan# 835
Delta R.T. -0.012 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:146 Resp: 353360

Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.0	76.4
111	44.9	35.2	52.8



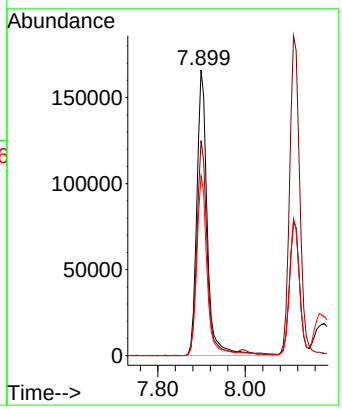


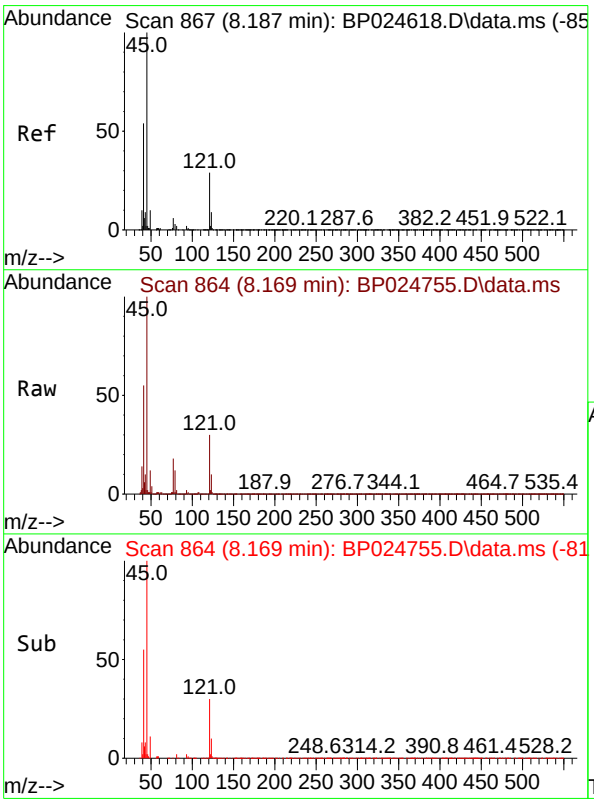
#15
Benzyl Alcohol
Concen: 42.443 ng
RT: 7.899 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion: 79 Resp: 276507

Ion	Ratio	Lower	Upper
79	100		
108	75.3	60.8	91.2
77	63.0	51.9	77.9

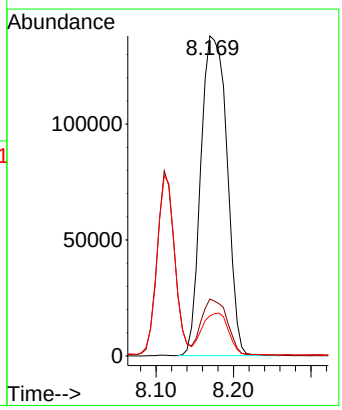


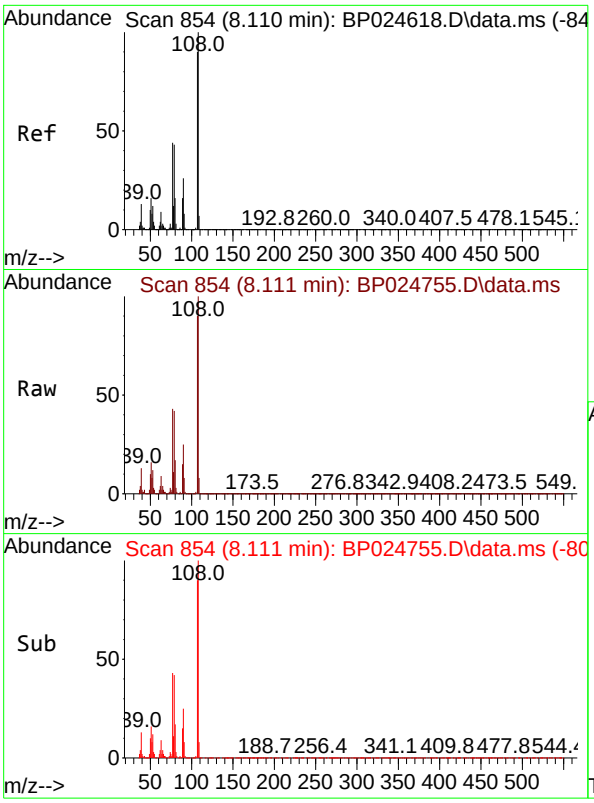


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.056 ng
RT: 8.169 min Scan# 864
Delta R.T. -0.018 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion: 45 Resp: 322660

Ion	Ratio	Lower	Upper
45	100		
77	17.8	0.0	37.7
79	12.5	0.0	34.0



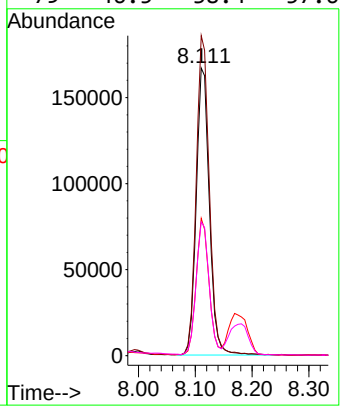


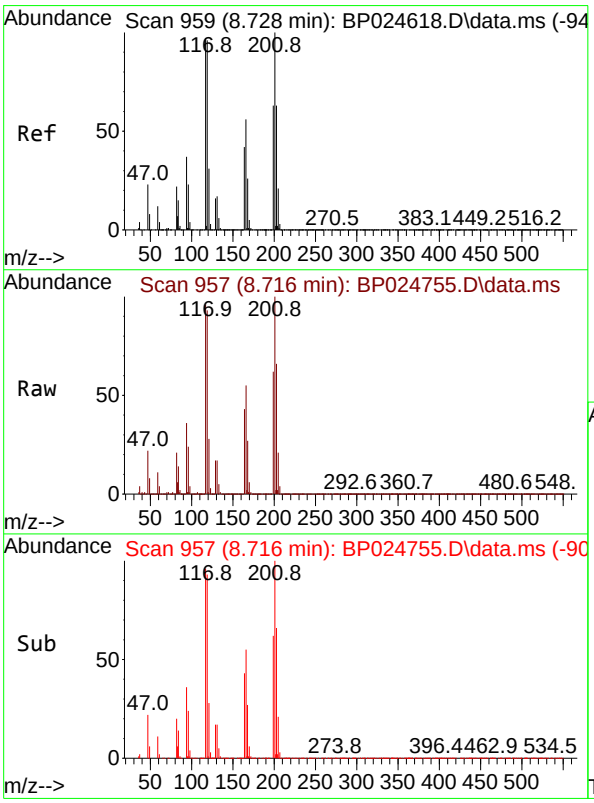
#17
2-Methylphenol
Concen: 42.405 ng
RT: 8.111 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:107 Resp: 269118

Ion	Ratio	Lower	Upper
107	100		
108	111.2	88.9	133.3
77	47.7	39.0	58.6
79	46.5	38.4	57.6

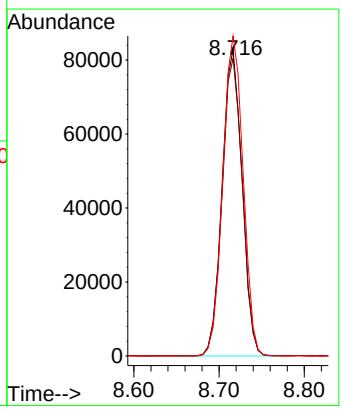


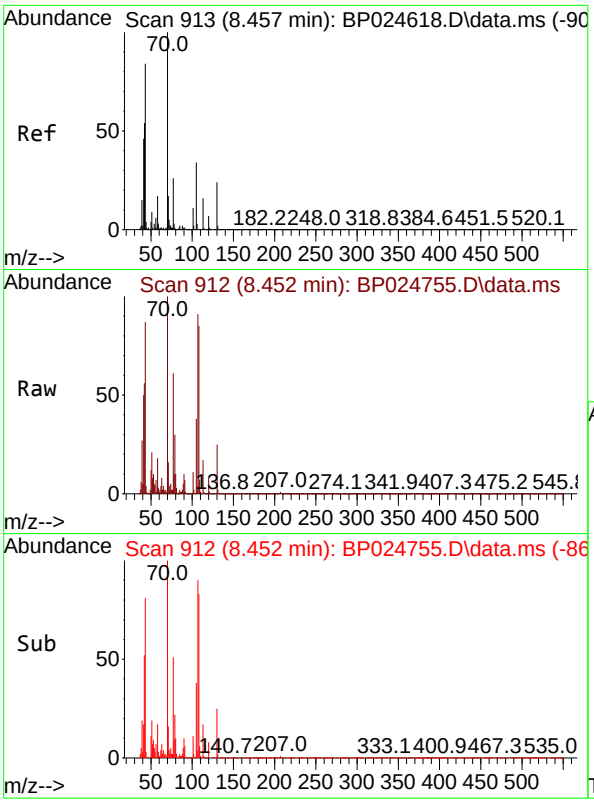


#18
Hexachloroethane
Concen: 40.002 ng
RT: 8.716 min Scan# 957
Delta R.T. -0.012 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:117 Resp: 135259

Ion	Ratio	Lower	Upper
117	100		
119	97.0	79.4	119.0
201	104.4	82.7	124.1



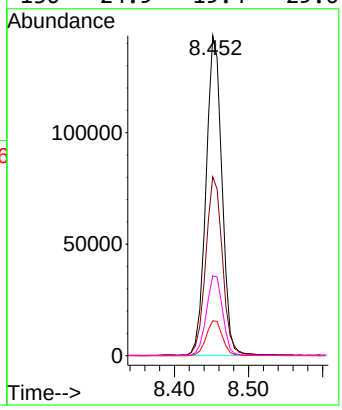


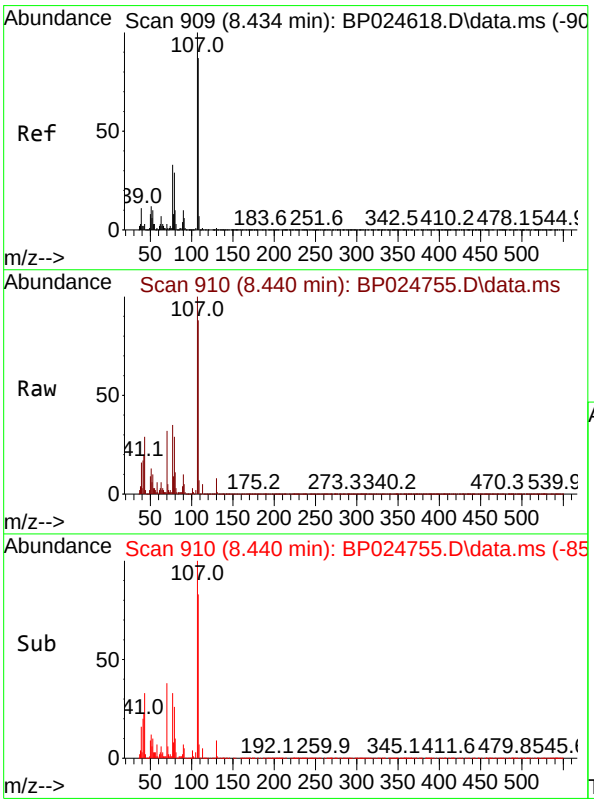
#19
n-Nitroso-di-n-propylamine
Concen: 36.029 ng
RT: 8.452 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion: 70 Resp: 213658

Ion	Ratio	Lower	Upper
70	100		
42	55.9	43.0	64.6
101	10.9	8.7	13.1
130	24.9	19.4	29.0

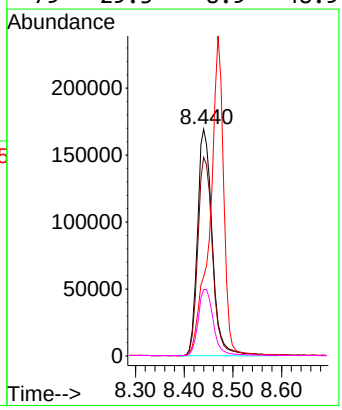


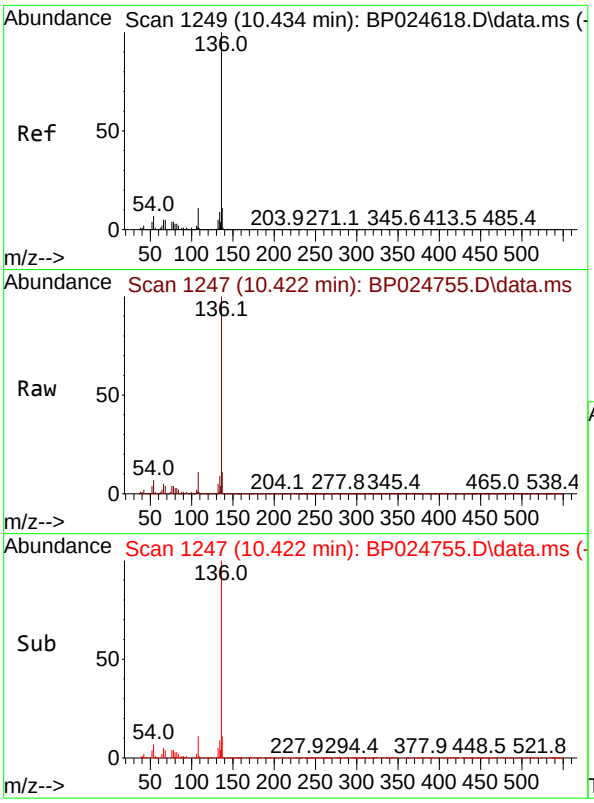


#20
3+4-Methylphenols
Concen: 41.529 ng
RT: 8.440 min Scan# 910
Delta R.T. 0.006 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:107 Resp: 358510

Ion	Ratio	Lower	Upper
107	100		
108	87.6	66.7	106.7
77	34.9	13.1	53.1
79	29.3	8.9	48.9



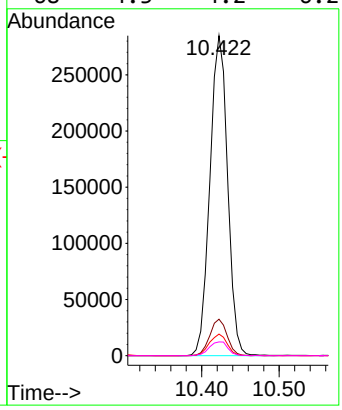


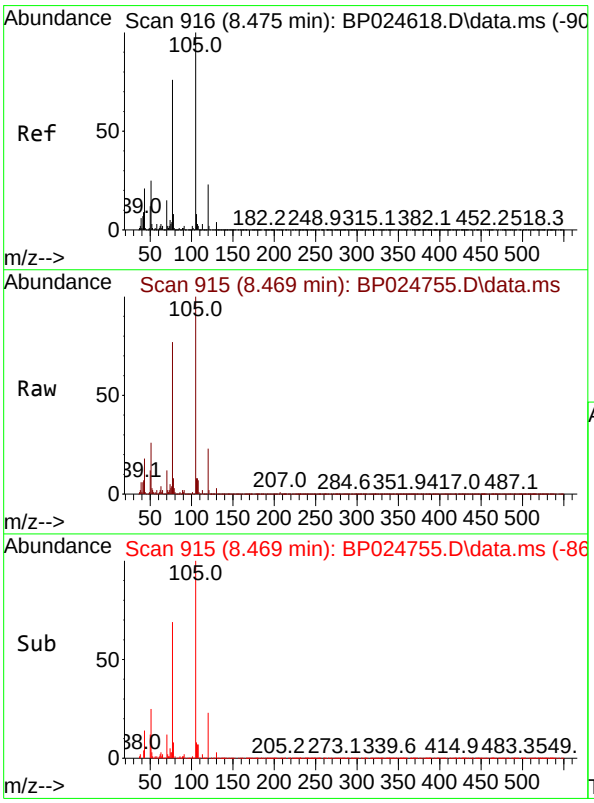
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:136 Resp: 451979

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	6.7	5.5	8.3
68	4.3	4.2	6.2

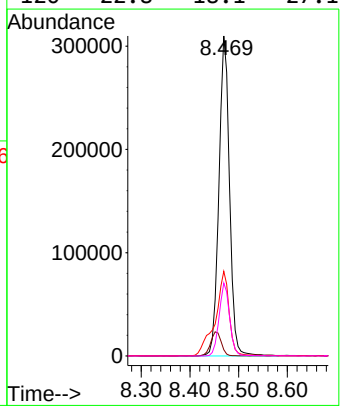


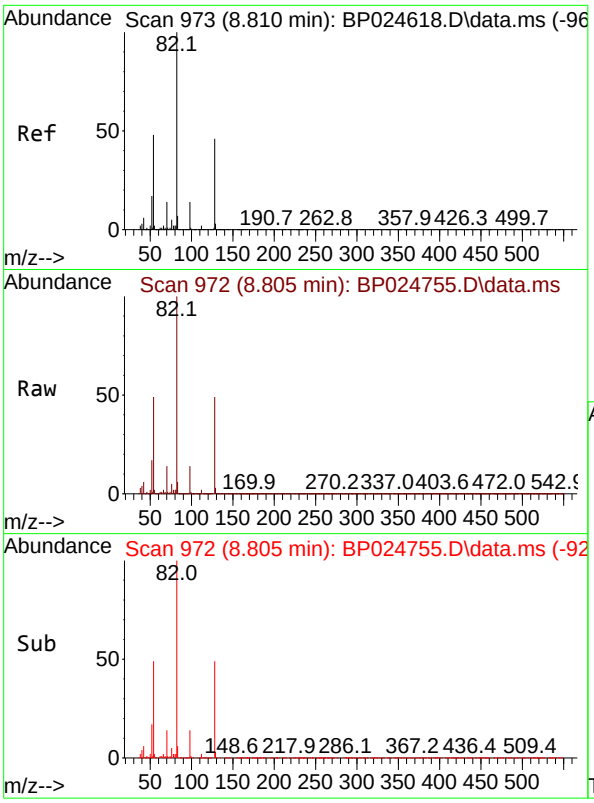


#22
Acetophenone
Concen: 41.622 ng
RT: 8.469 min Scan# 915
Delta R.T. -0.006 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:105 Resp: 469924

Ion	Ratio	Lower	Upper
105	100		
71	2.0	2.0	3.0#
51	26.4	20.4	30.6
120	22.8	18.1	27.1



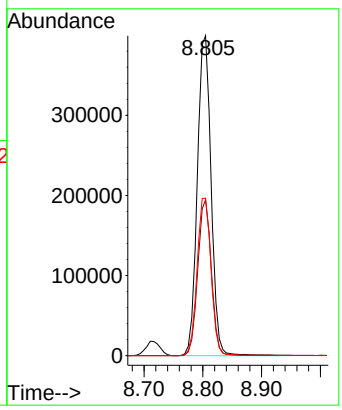


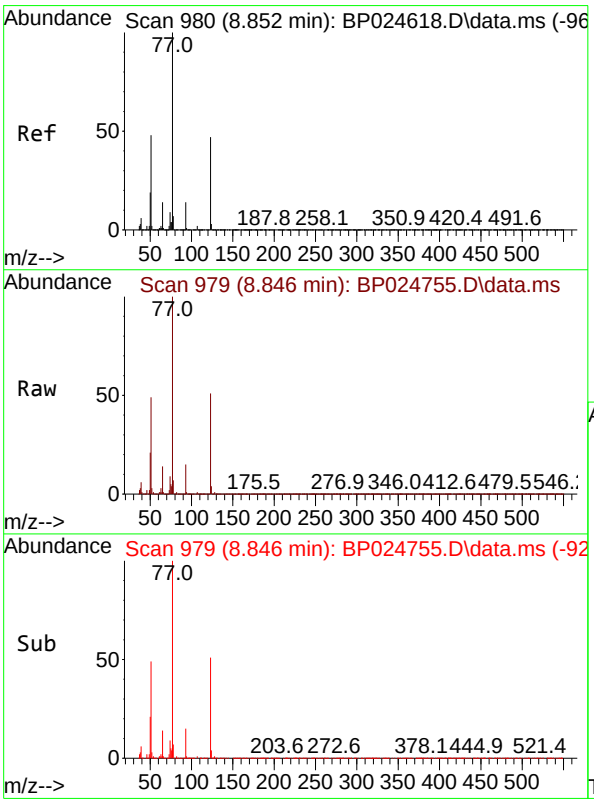
#23
Nitrobenzene-d5
Concen: 72.789 ng
RT: 8.805 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion: 82 Resp: 651125

Ion	Ratio	Lower	Upper
82	100		
128	48.8	37.0	55.4
54	49.2	38.7	58.1

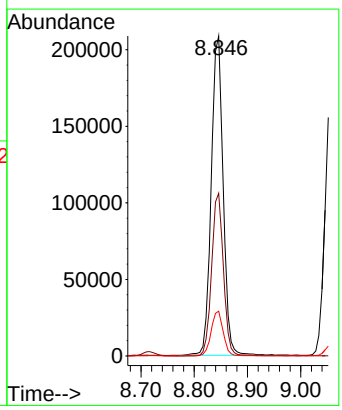


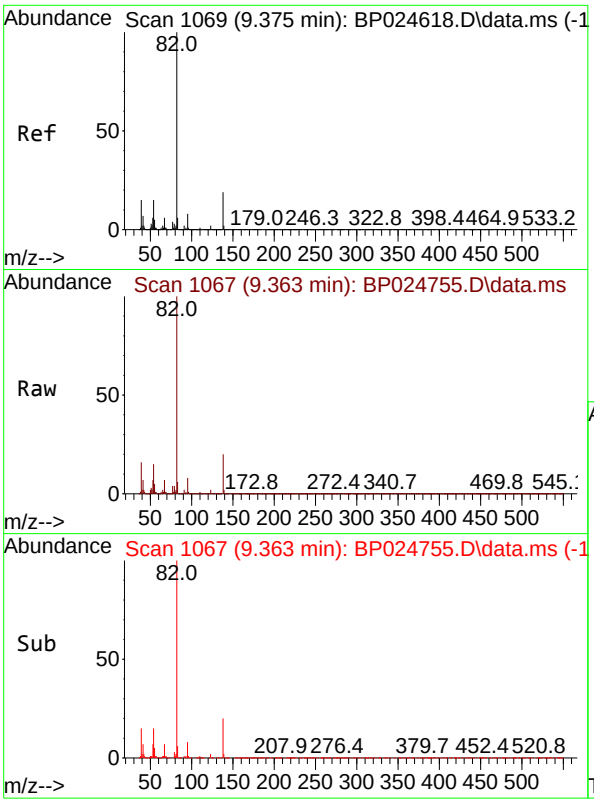


#24
Nitrobenzene
Concen: 41.292 ng
RT: 8.846 min Scan# 979
Delta R.T. -0.006 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion: 77 Resp: 325051

Ion	Ratio	Lower	Upper
77	100		
123	50.9	37.4	56.0
65	14.0	11.3	16.9



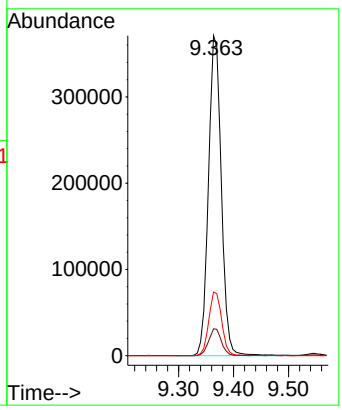


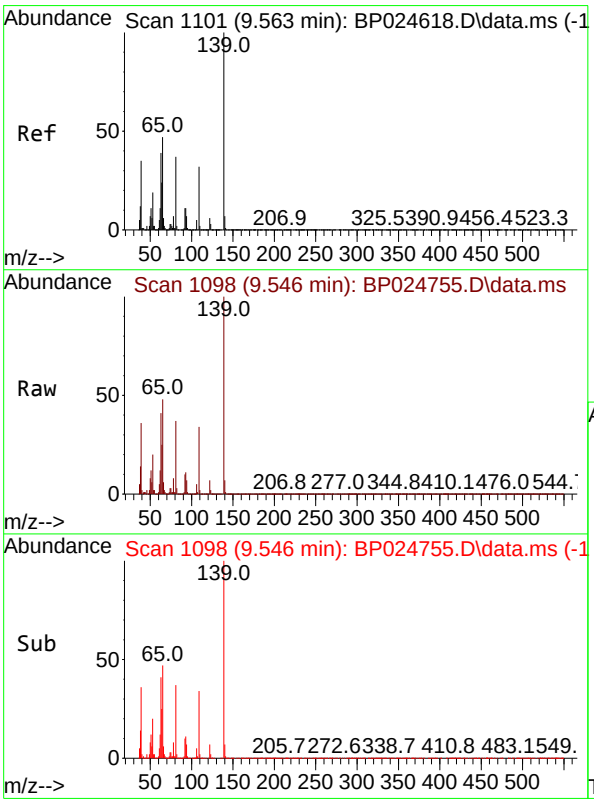
#25
Isophorone
Concen: 38.772 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion: 82 Resp: 601615

Ion	Ratio	Lower	Upper
82	100		
95	8.4	6.3	9.5
138	19.9	15.3	22.9

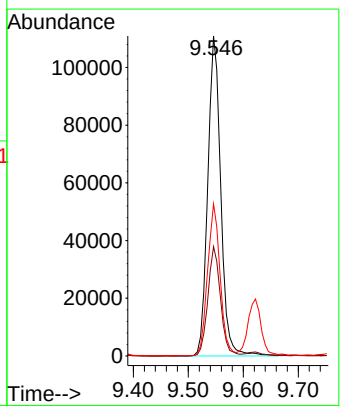


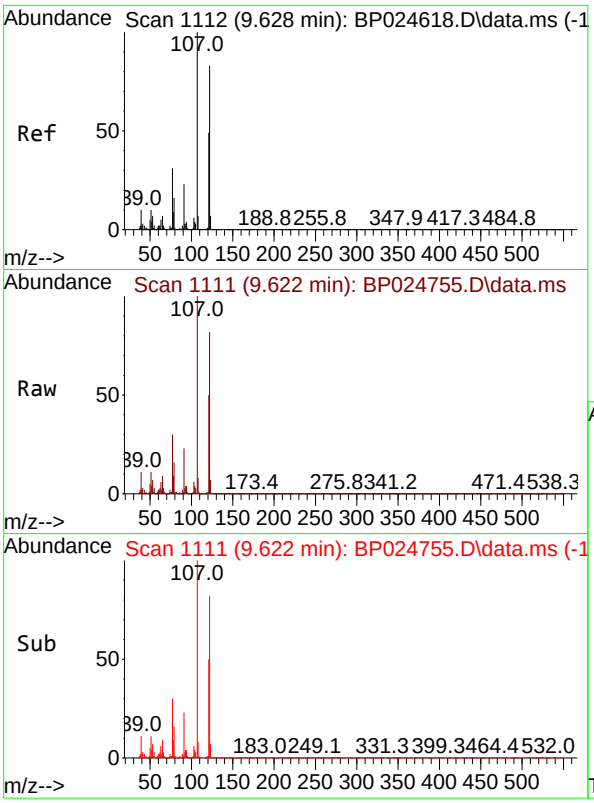


#26
2-Nitrophenol
Concen: 47.215 ng
RT: 9.546 min Scan# 1098
Delta R.T. -0.018 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:139 Resp: 182128

Ion	Ratio	Lower	Upper
139	100		
109	34.1	25.9	38.9
65	47.5	37.9	56.9



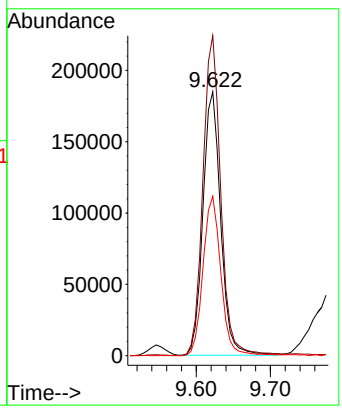


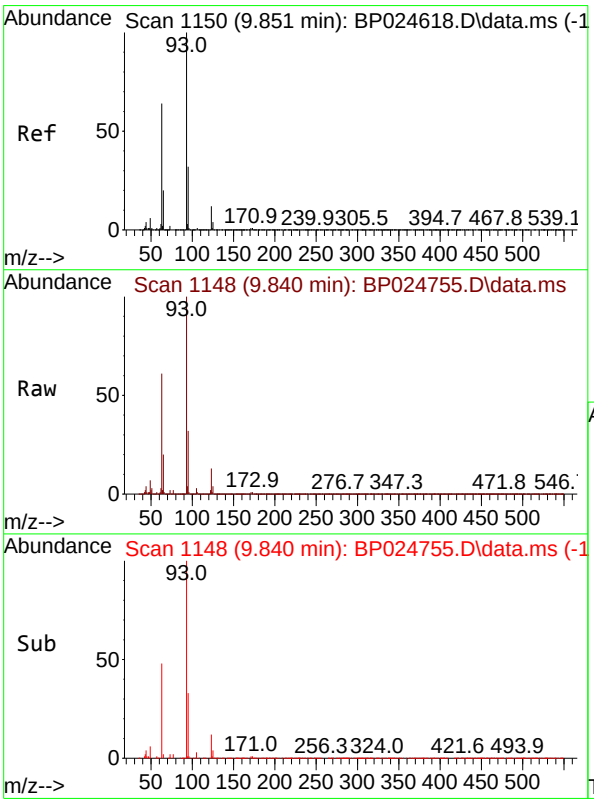
#27
2,4-Dimethylphenol
Concen: 45.217 ng
RT: 9.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:122 Resp: 307524

Ion	Ratio	Lower	Upper
122	100		
107	121.3	96.2	144.2
121	60.5	47.6	71.4

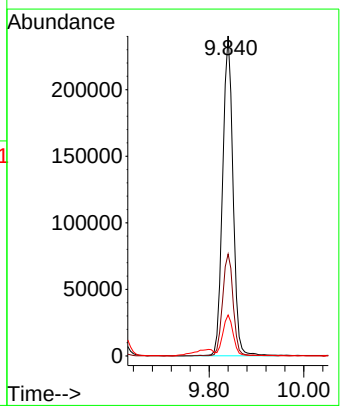


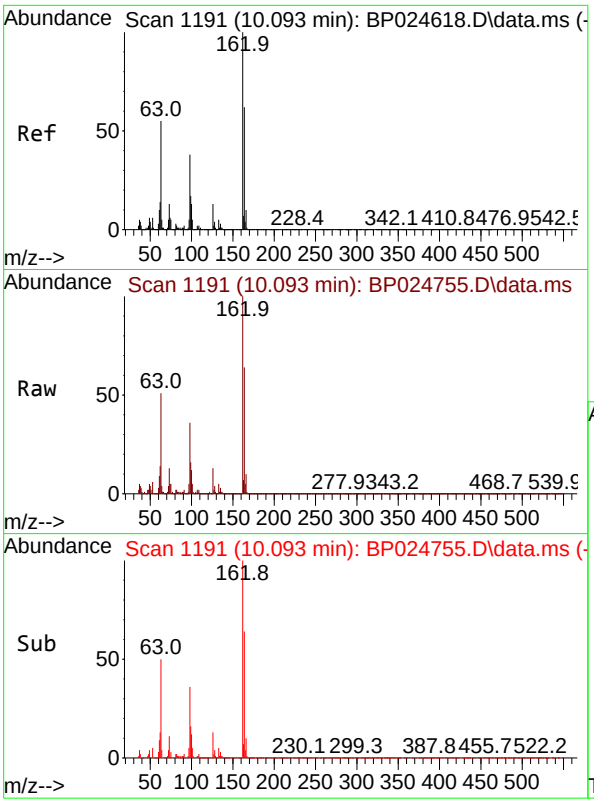


#28
bis(2-Chloroethoxy)methane
Concen: 39.501 ng
RT: 9.840 min Scan# 1148
Delta R.T. -0.012 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion: 93 Resp: 366188

Ion	Ratio	Lower	Upper
93	100		
95	31.9	25.5	38.3
123	12.8	9.7	14.5



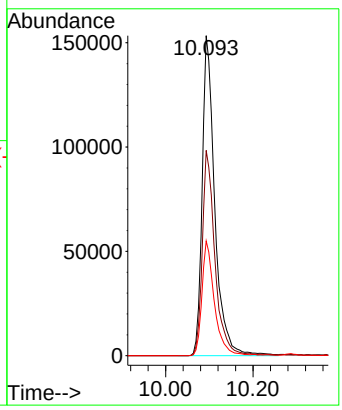


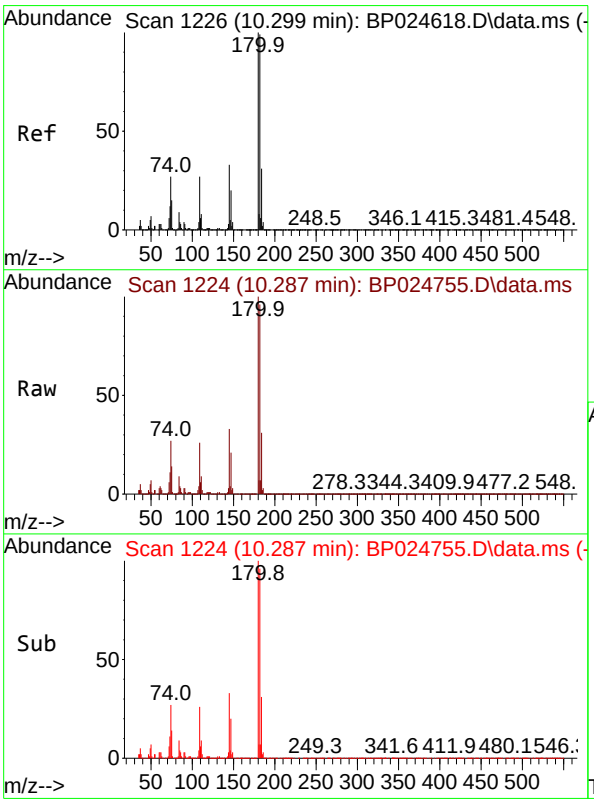
#29
2,4-Dichlorophenol
Concen: 46.784 ng
RT: 10.093 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:162 Resp: 308337

Ion	Ratio	Lower	Upper
162	100		
164	64.1	42.3	82.3
98	35.9	18.4	58.4

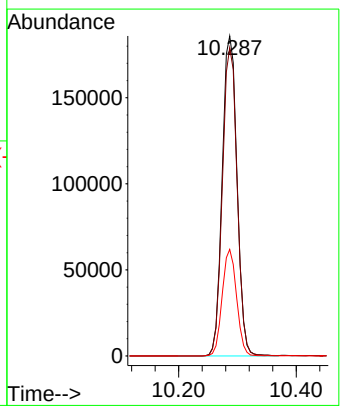


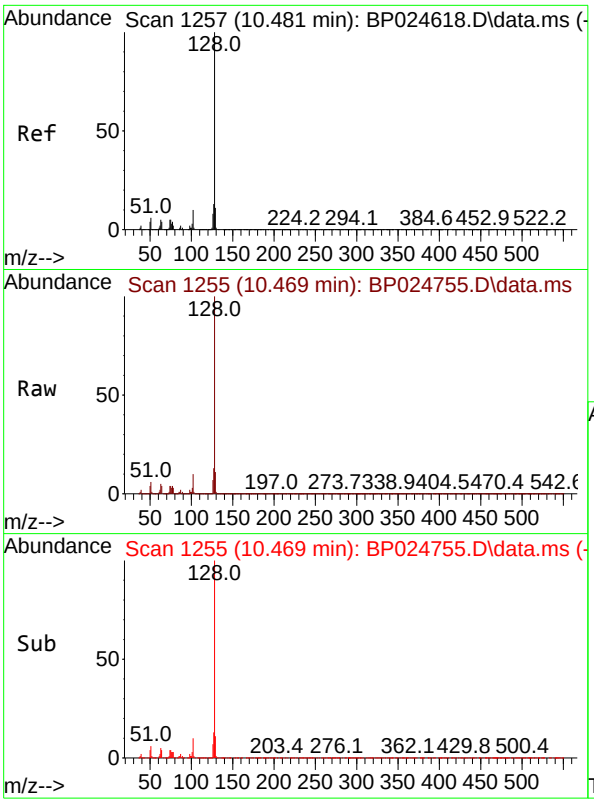


#30
1,2,4-Trichlorobenzene
Concen: 43.639 ng
RT: 10.287 min Scan# 1224
Delta R.T. -0.012 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:180 Resp: 324103

Ion	Ratio	Lower	Upper
180	100		
182	96.3	79.0	118.4
145	33.3	26.6	39.8



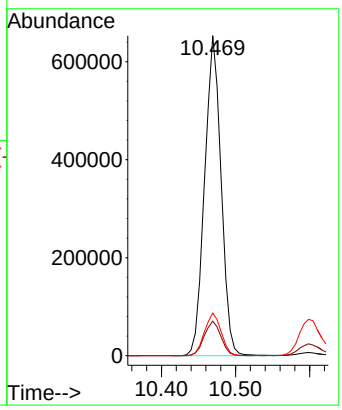


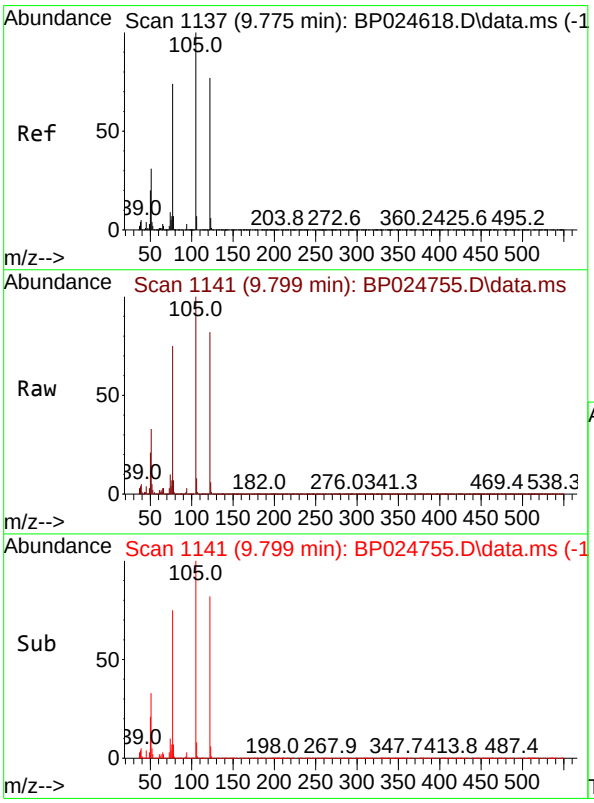
#31
Naphthalene
Concen: 42.972 ng
RT: 10.469 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:128 Resp: 1006478

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.3	10.7	16.1

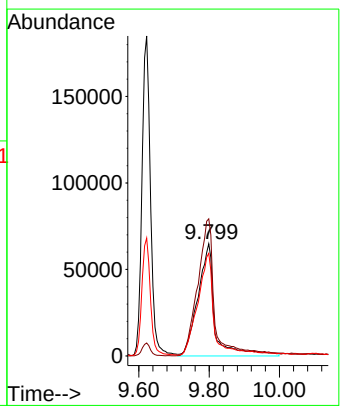


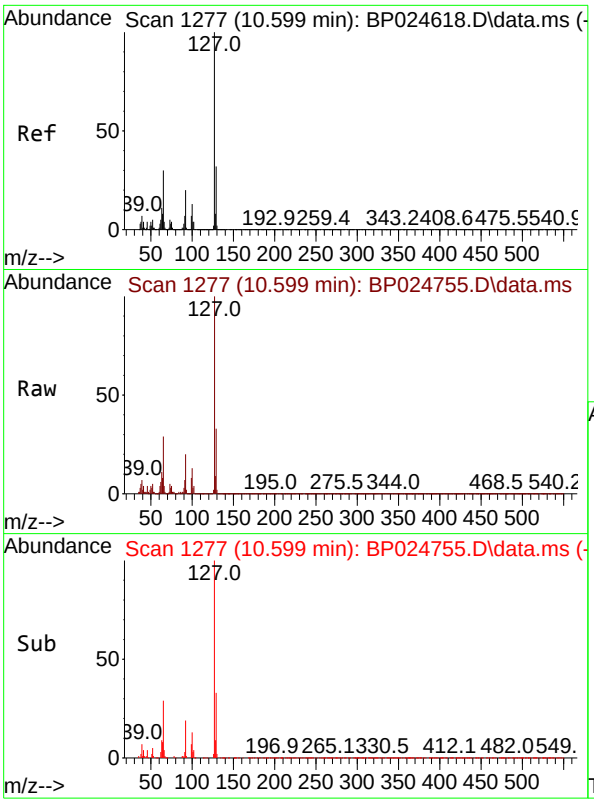


#32
Benzoic acid
Concen: 46.123 ng m
RT: 9.799 min Scan# 1141
Delta R.T. 0.024 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:122 Resp: 216738

Ion	Ratio	Lower	Upper
122	100		
105	122.2	106.9	146.9
77	91.5	75.1	115.1



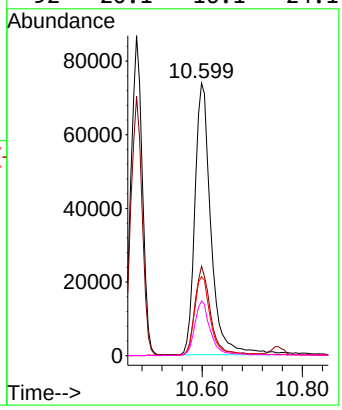


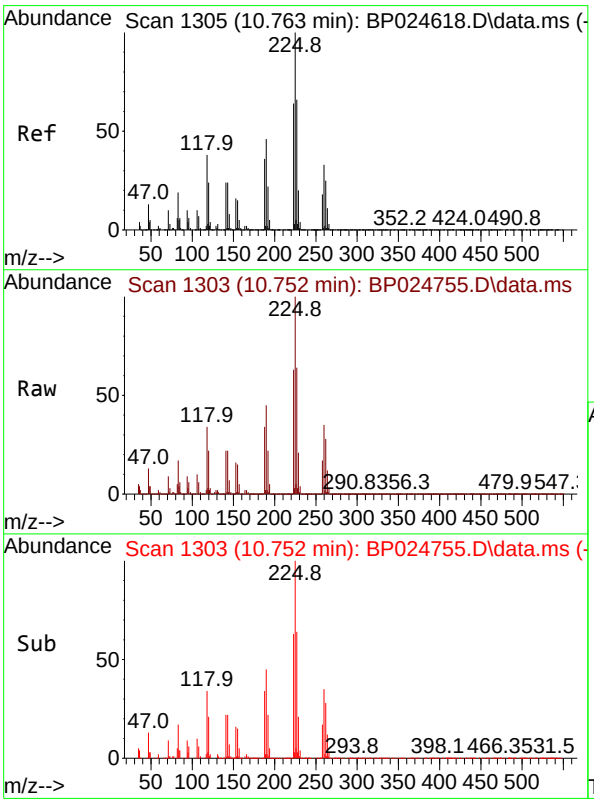
#33
4-Chloroaniline
Concen: 17.339 ng
RT: 10.599 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:127 Resp: 163881

Ion	Ratio	Lower	Upper
127	100		
129	32.8	25.8	38.6
65	29.0	23.9	35.9
92	20.1	16.1	24.1

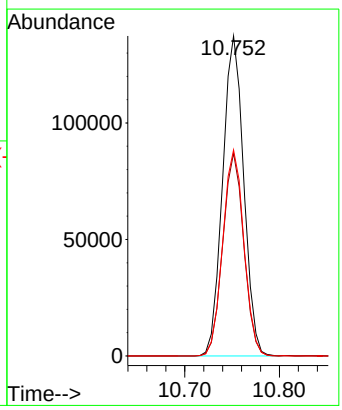


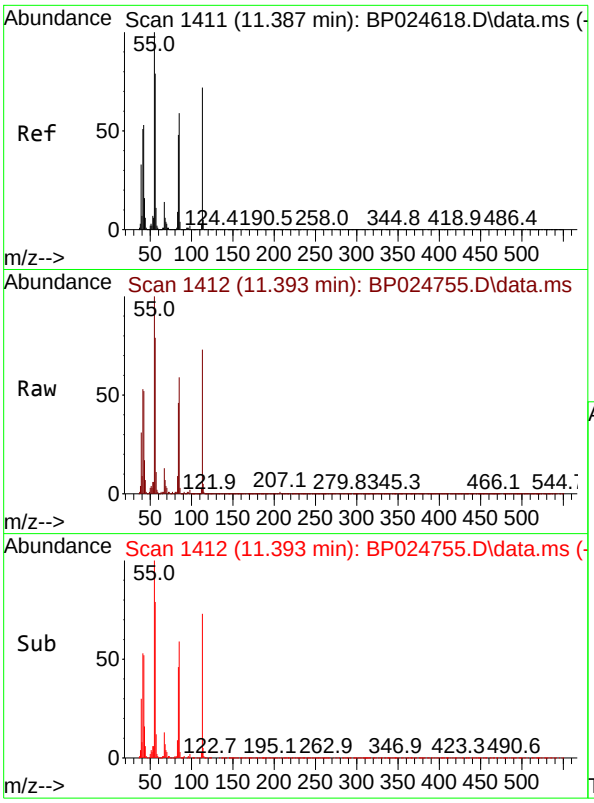


#34
Hexachlorobutadiene
Concen: 44.118 ng
RT: 10.752 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:225 Resp: 212260

Ion	Ratio	Lower	Upper
225	100		
223	63.4	51.0	76.6
227	64.4	53.1	79.7



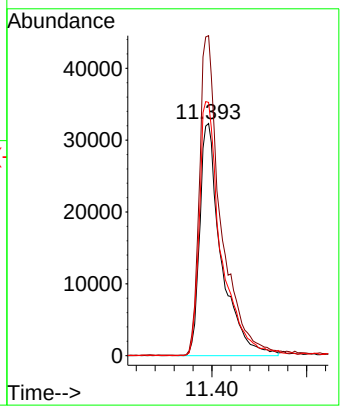


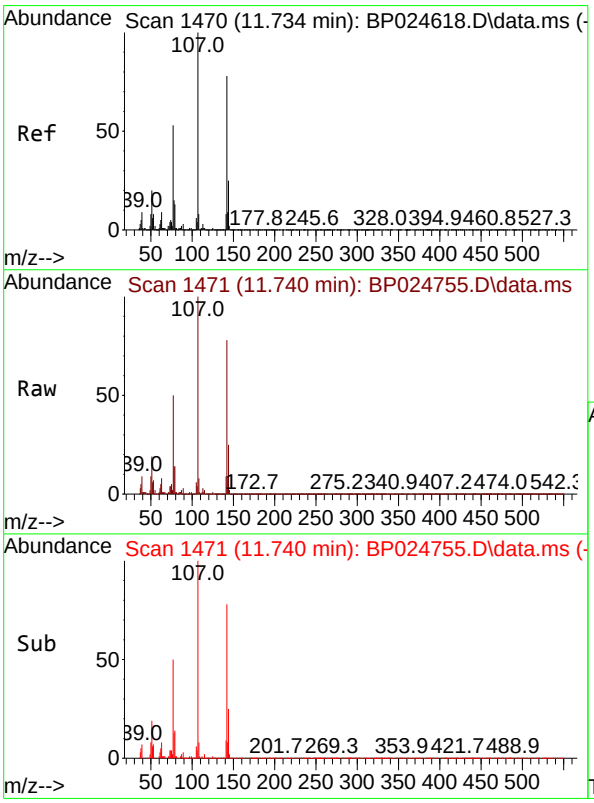
#35
Caprolactam
Concen: 42.629 ng
RT: 11.393 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:113 Resp: 101647

Ion	Ratio	Lower	Upper
113	100		
55	137.8	119.0	159.0
56	109.1	90.3	130.3

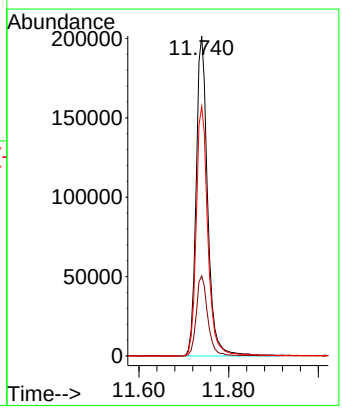


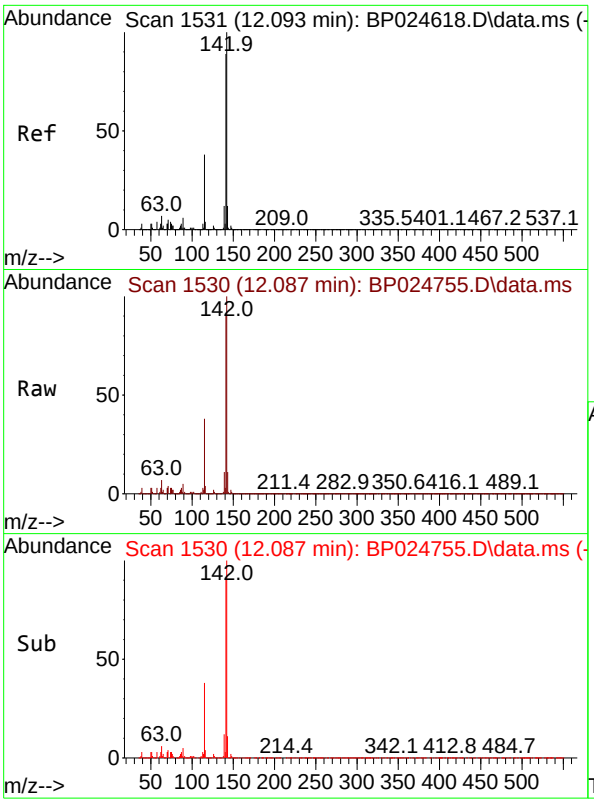


#36
4-Chloro-3-methylphenol
Concen: 44.385 ng
RT: 11.740 min Scan# 1471
Delta R.T. 0.006 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:107 Resp: 356727

Ion	Ratio	Lower	Upper
107	100		
144	25.0	20.1	30.1
142	77.9	62.1	93.1



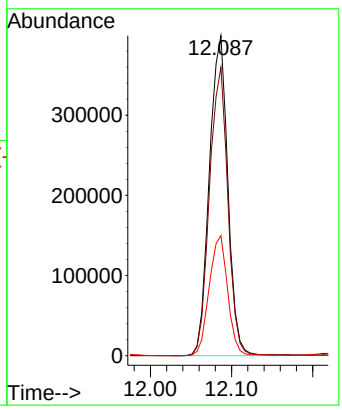


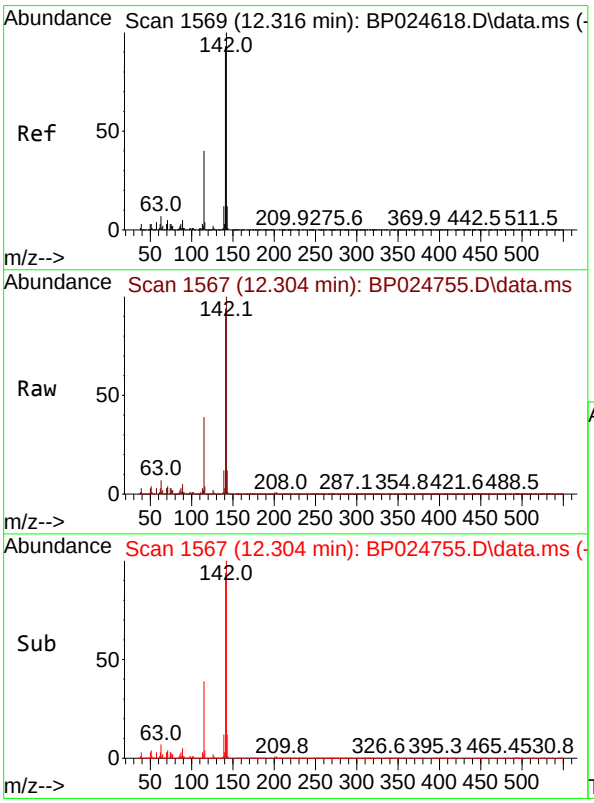
#37
2-Methylnaphthalene
Concen: 41.565 ng
RT: 12.087 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:142 Resp: 630369

Ion	Ratio	Lower	Upper
142	100		
141	90.1	71.2	106.8
115	37.5	30.6	46.0

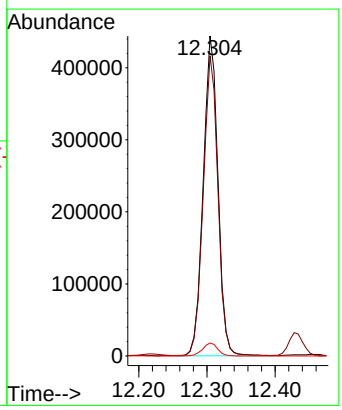


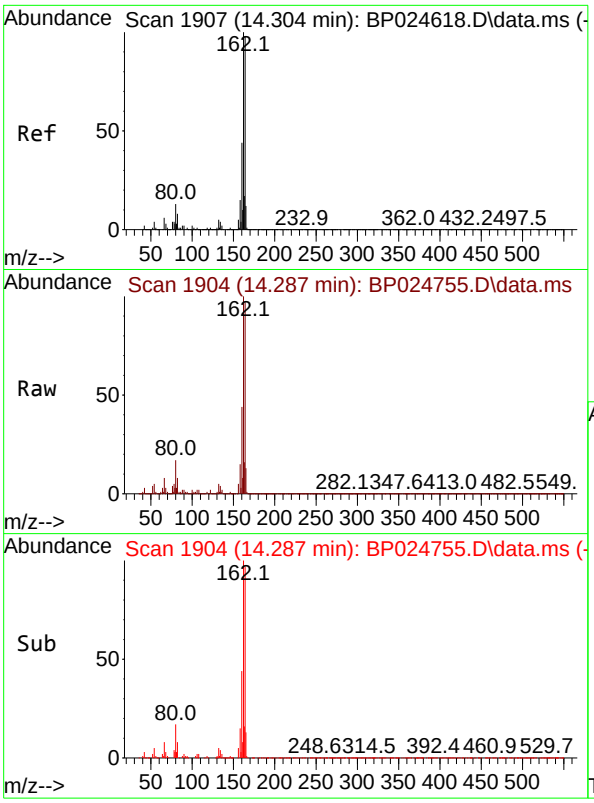


#38
1-Methylnaphthalene
Concen: 41.145 ng
RT: 12.304 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:142 Resp: 667666

Ion	Ratio	Lower	Upper
142	100		
141	93.8	74.7	112.1
116	4.1	3.4	5.2



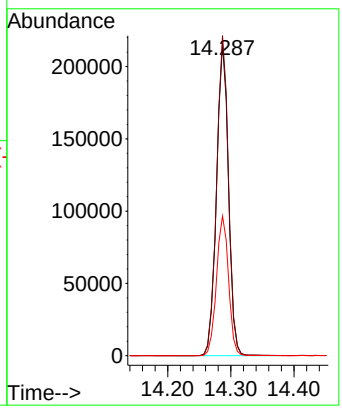


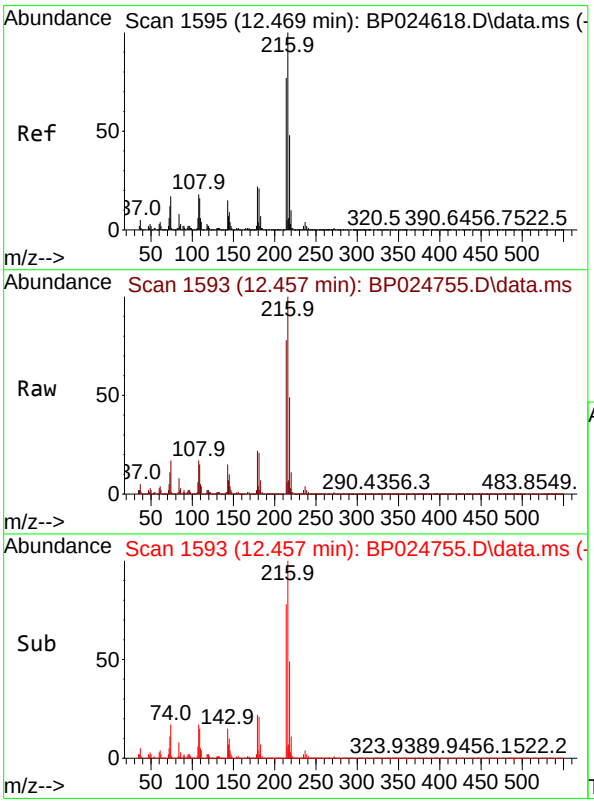
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.287 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:164 Resp: 283120

Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.8	122.6
160	44.8	36.3	54.5

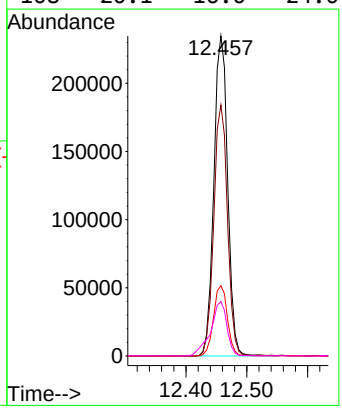


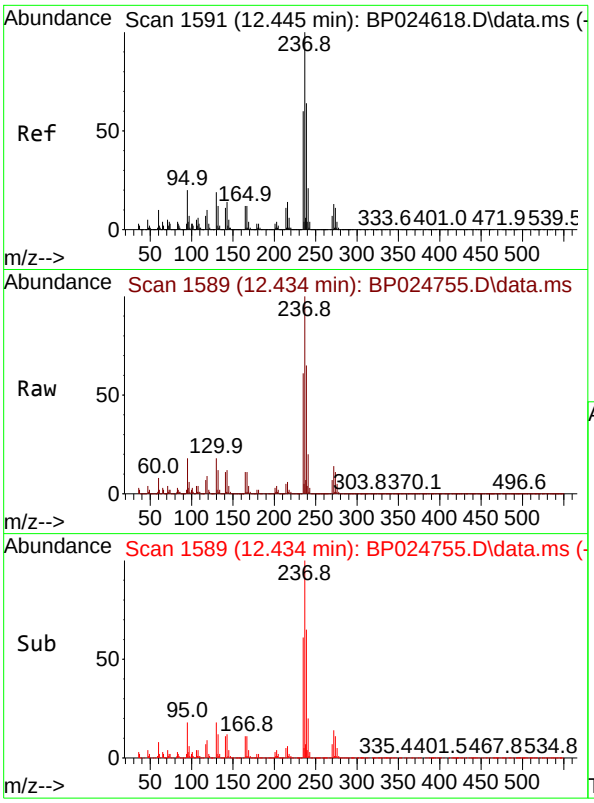


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.885 ng
RT: 12.457 min Scan# 1593
Delta R.T. -0.012 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:216 Resp: 369018

Ion	Ratio	Lower	Upper
216	100		
214	78.0	62.3	93.5
179	22.2	17.7	26.5
108	20.1	16.0	24.0



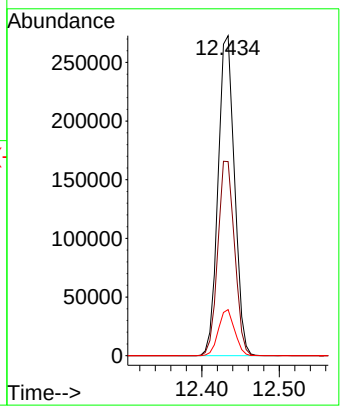


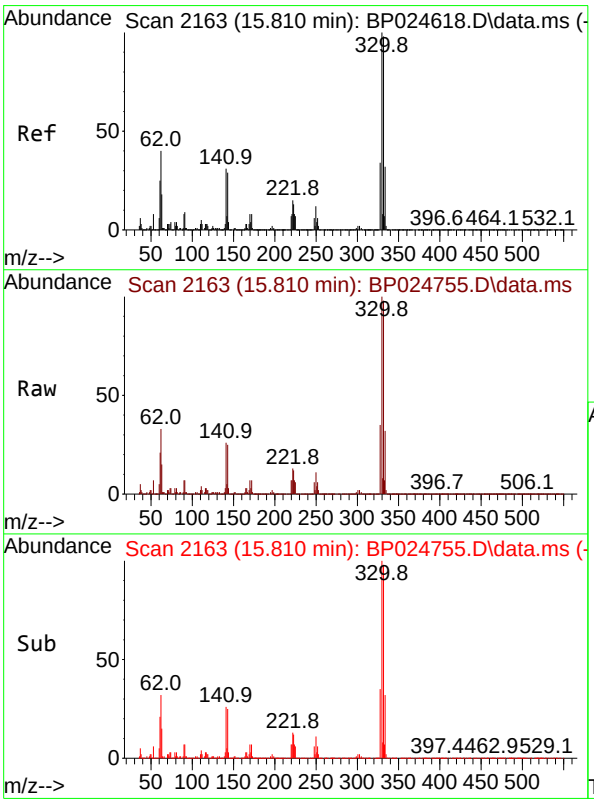
#41
Hexachlorocyclopentadiene
Concen: 80.579 ng
RT: 12.434 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:237 Resp: 401704

Ion	Ratio	Lower	Upper
237	100		
235	60.7	39.9	79.9
272	14.4	0.0	33.2

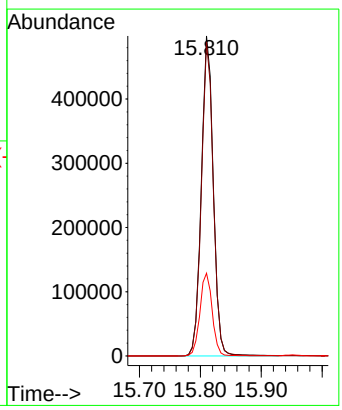


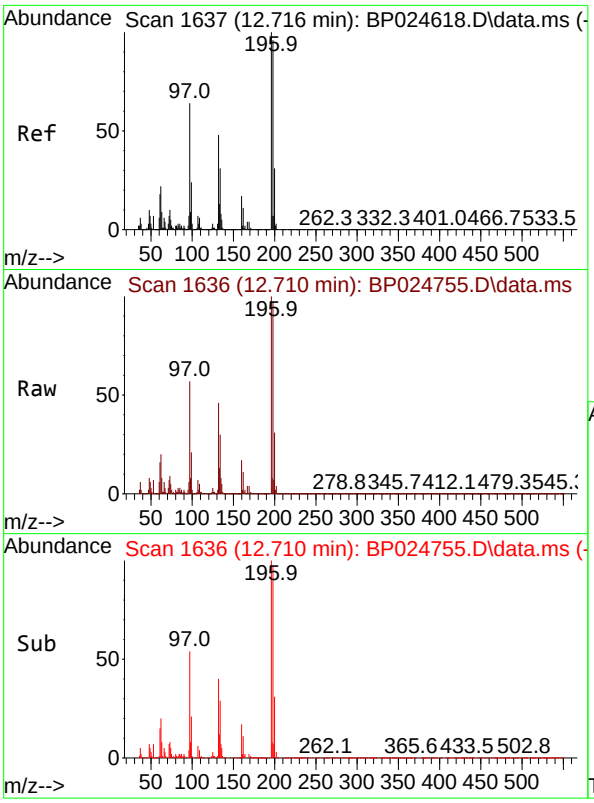


#42
2,4,6-Tribromophenol
Concen: 141.810 ng
RT: 15.810 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:330 Resp: 680647

Ion	Ratio	Lower	Upper
330	100		
332	97.7	78.2	117.4
141	26.6	24.3	36.5



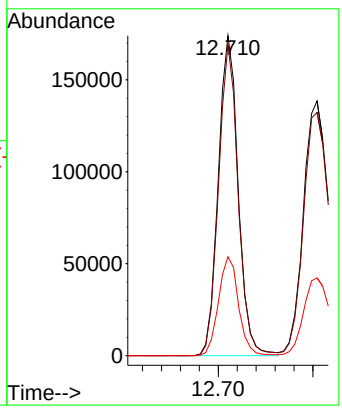


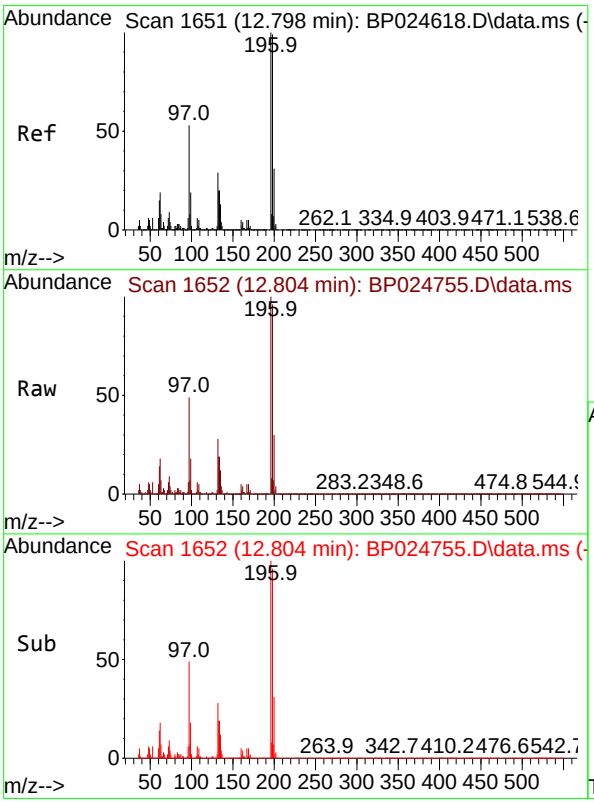
#43
2,4,6-Trichlorophenol
Concen: 47.834 ng
RT: 12.710 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:196 Resp: 254724

Ion	Ratio	Lower	Upper
196	100		
198	97.2	76.9	115.3
200	30.9	25.2	37.8

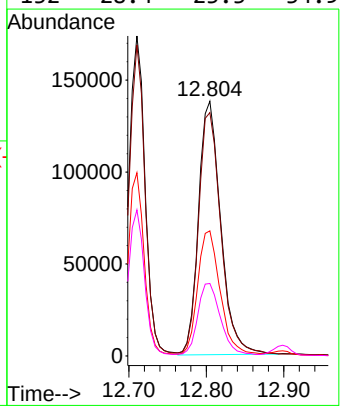


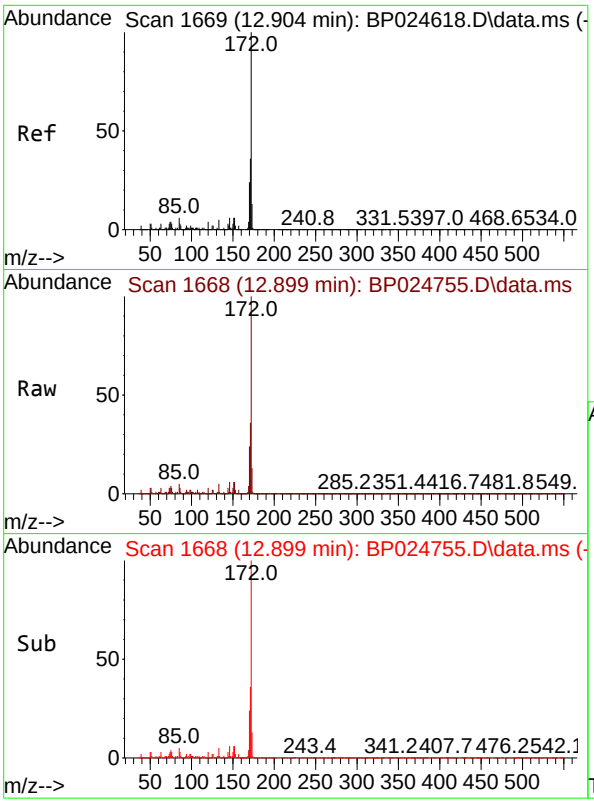


#44
2,4,5-Trichlorophenol
Concen: 46.476 ng
RT: 12.804 min Scan# 1652
Delta R.T. 0.006 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:196 Resp: 275492

Ion	Ratio	Lower	Upper
196	100		
198	95.5	79.2	118.8
97	49.1	42.3	63.5
132	28.4	23.3	34.9



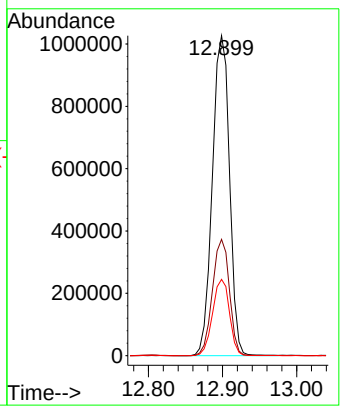


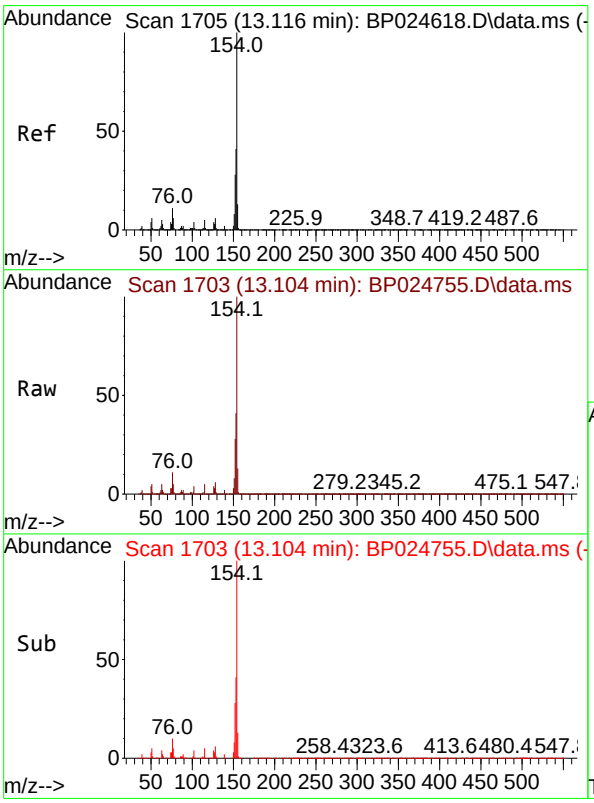
#45
2-Fluorobiphenyl
Concen: 76.344 ng
RT: 12.899 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:172 Resp: 1649799

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.8	43.2
170	23.8	18.8	28.2

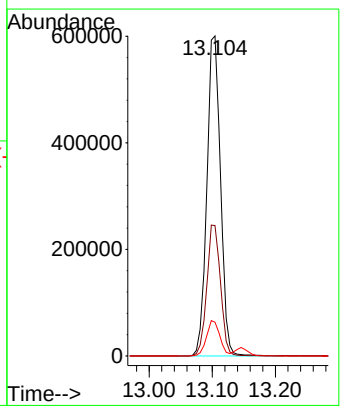


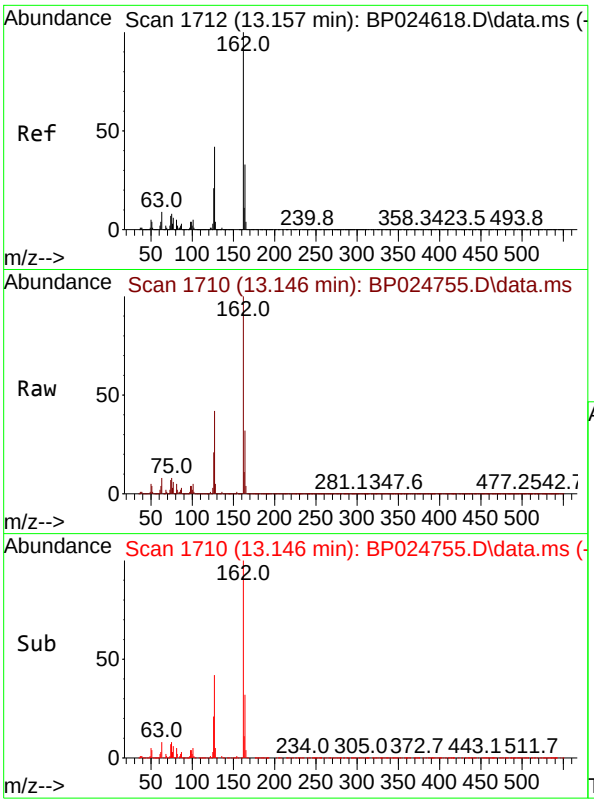


#46
1,1'-Biphenyl
Concen: 42.938 ng
RT: 13.104 min Scan# 1703
Delta R.T. -0.012 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:154 Resp: 898517

Ion	Ratio	Lower	Upper
154	100		
153	40.8	21.0	61.0
76	10.6	0.0	31.5



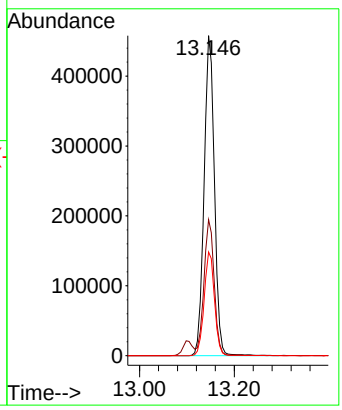


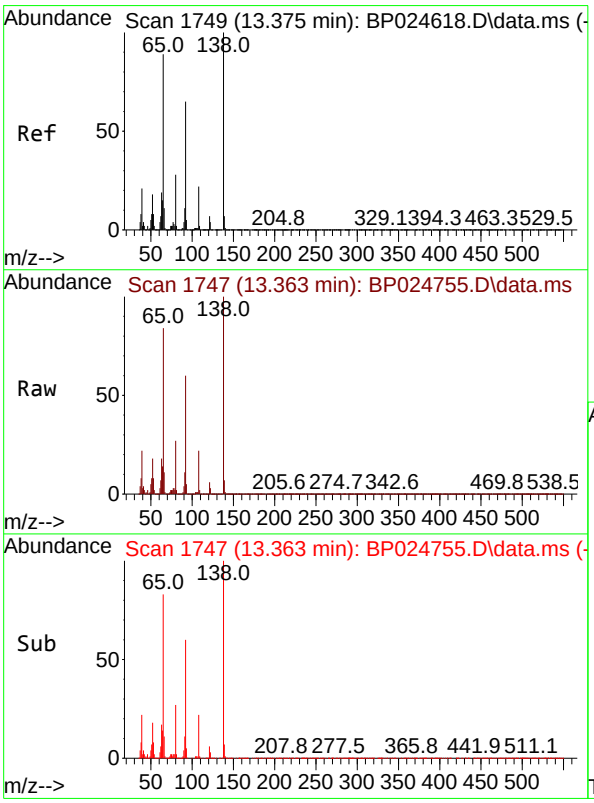
#47
2-Chloronaphthalene
Concen: 43.365 ng
RT: 13.146 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:162 Resp: 691903

Ion	Ratio	Lower	Upper
162	100		
127	42.5	33.8	50.6
164	32.4	26.0	39.0

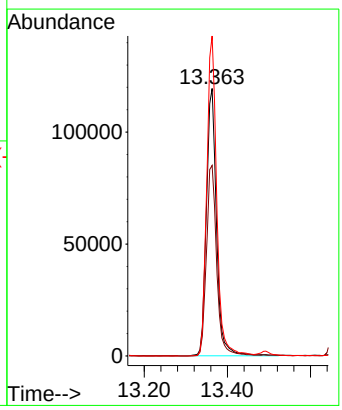


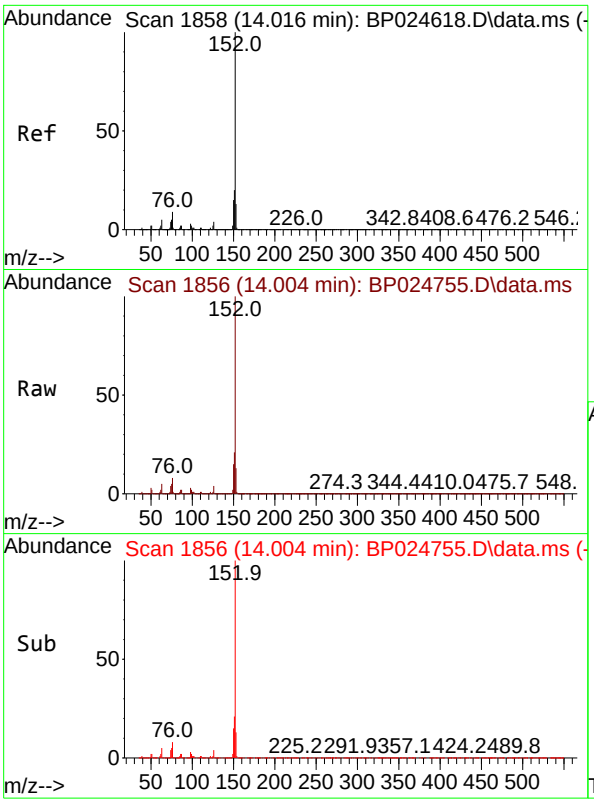


#48
2-Nitroaniline
Concen: 42.950 ng
RT: 13.363 min Scan# 1747
Delta R.T. -0.012 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion: 65 Resp: 202885

Ion	Ratio	Lower	Upper
65	100		
92	71.3	58.7	88.1
138	119.6	90.2	135.2



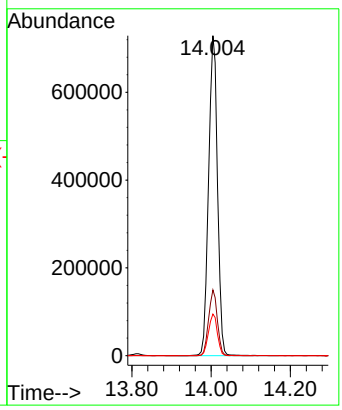


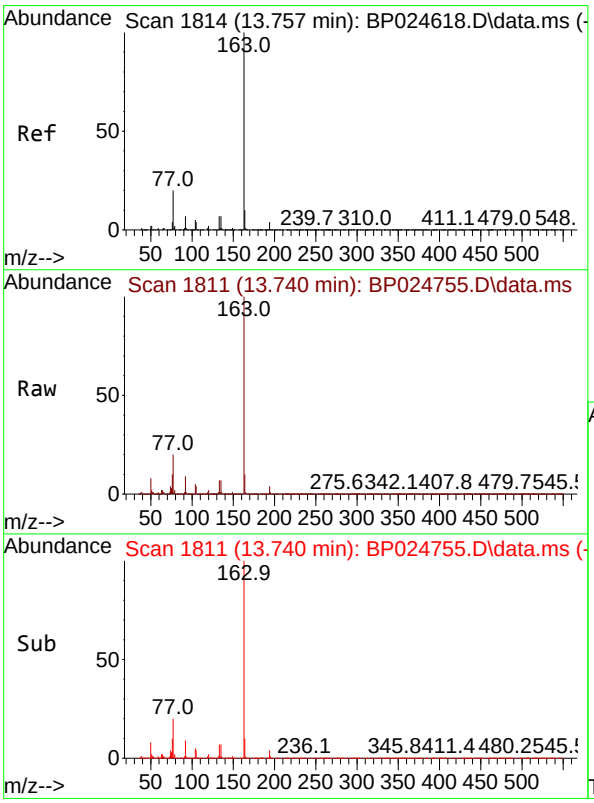
#49
Acenaphthylene
Concen: 42.437 ng
RT: 14.004 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:152 Resp: 1133108

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.2	24.4
153	13.0	10.2	15.4

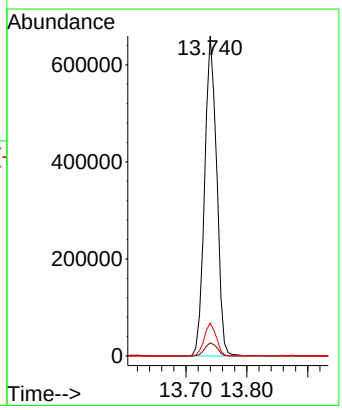


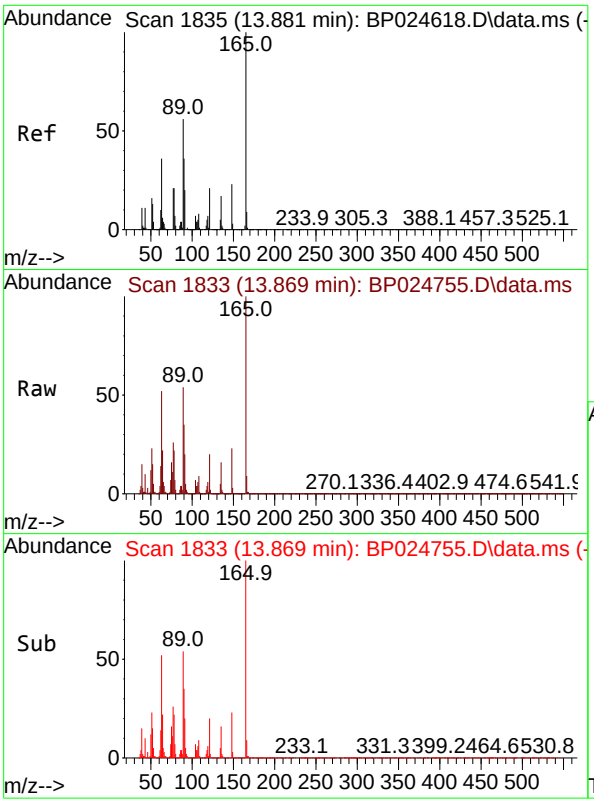


#50
Dimethylphthalate
Concen: 42.093 ng
RT: 13.740 min Scan# 1811
Delta R.T. -0.018 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:163 Resp: 908339

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.2	8.1	12.1



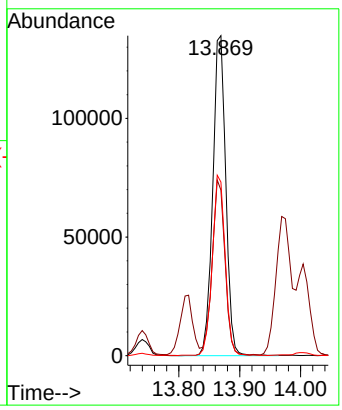


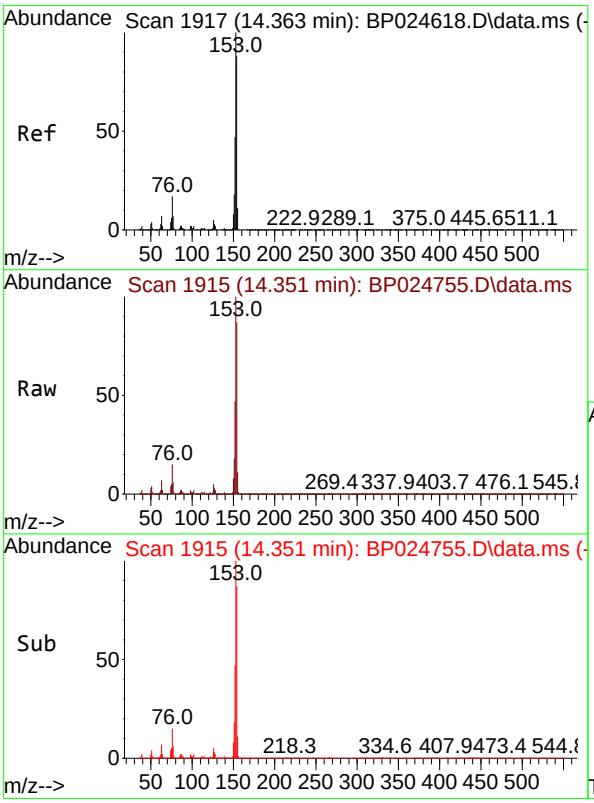
#51
2,6-Dinitrotoluene
Concen: 43.751 ng
RT: 13.869 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:165 Resp: 199396

Ion	Ratio	Lower	Upper
165	100		
63	51.8	42.4	63.6
89	54.2	44.8	67.2

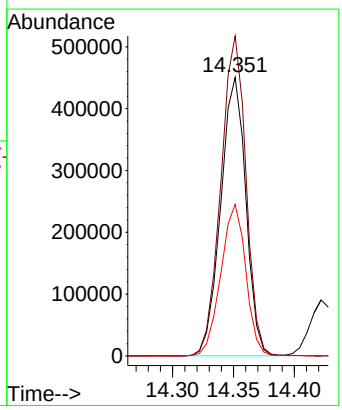


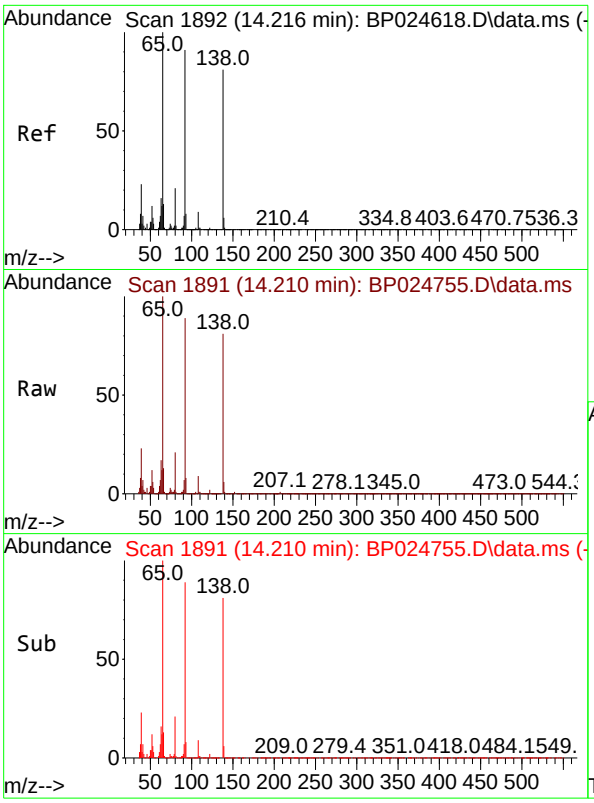


#52
Acenaphthene
Concen: 42.134 ng
RT: 14.351 min Scan# 1915
Delta R.T. -0.012 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:154 Resp: 646760

Ion	Ratio	Lower	Upper
154	100		
153	114.9	91.0	136.4
152	54.4	42.9	64.3



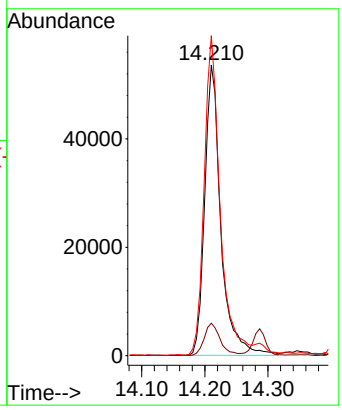


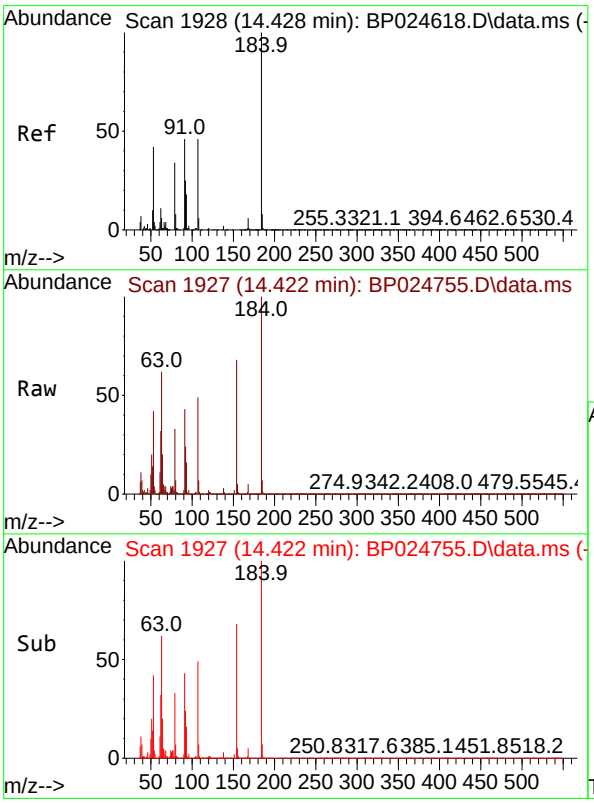
#53
3-Nitroaniline
Concen: 20.478 ng
RT: 14.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:138 Resp: 95294

Ion	Ratio	Lower	Upper
138	100		
108	11.2	9.0	13.4
92	110.1	90.1	135.1

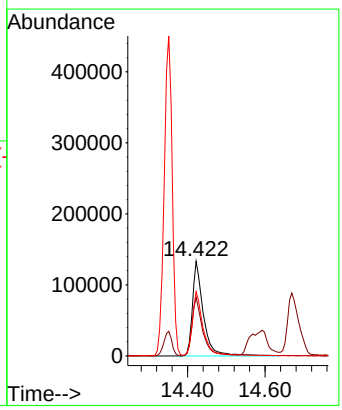


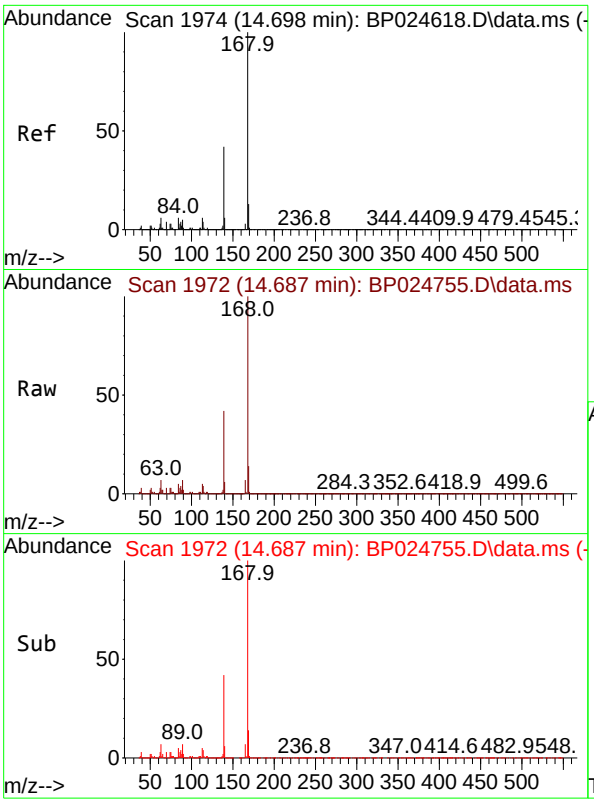


#54
2,4-Dinitrophenol
Concen: 90.411 ng
RT: 14.422 min Scan# 1927
Delta R.T. -0.006 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:184 Resp: 262431

Ion	Ratio	Lower	Upper
184	100		
63	61.9	51.3	76.9
154	68.0	53.5	80.3



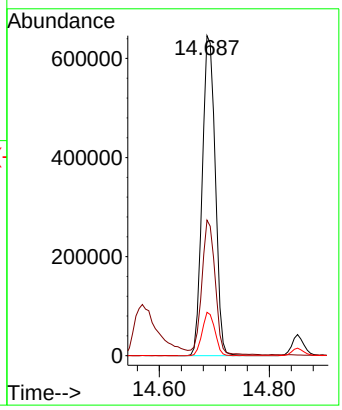


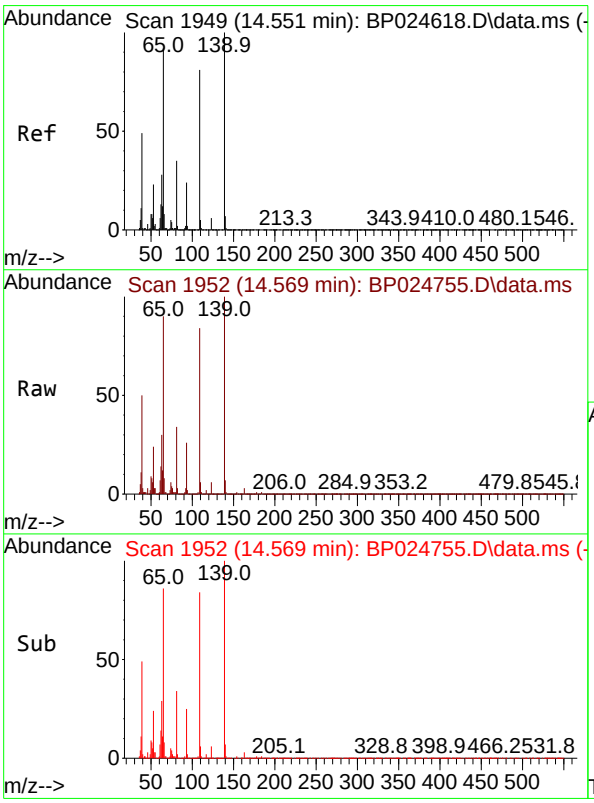
#55
Dibenzofuran
Concen: 43.271 ng
RT: 14.687 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:168 Resp: 1059440

Ion	Ratio	Lower	Upper
168	100		
139	42.4	34.2	51.4
169	13.6	10.8	16.2

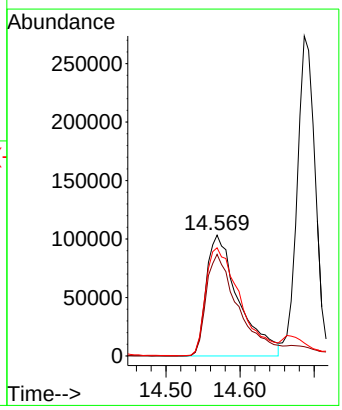


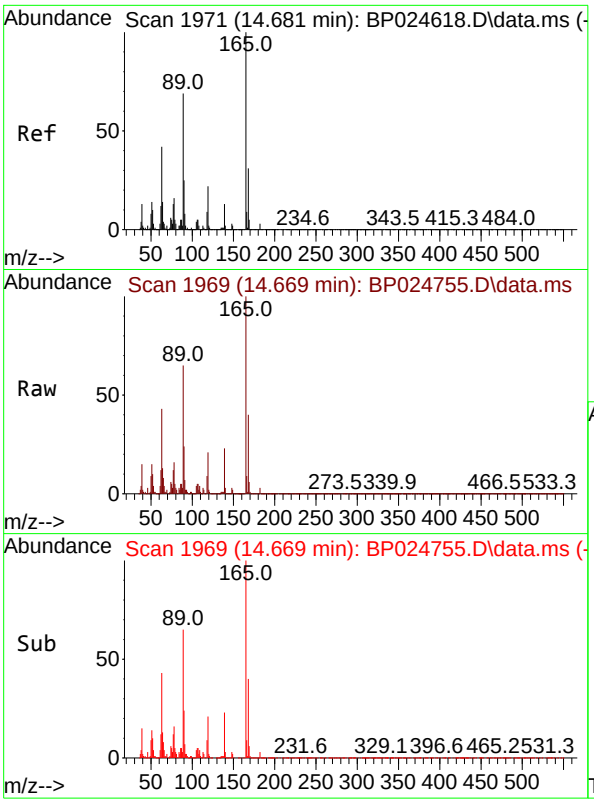


#56
4-Nitrophenol
Concen: 77.936 ng
RT: 14.569 min Scan# 1952
Delta R.T. 0.018 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:139 Resp: 313522

Ion	Ratio	Lower	Upper
139	100		
109	84.1	61.4	101.4
65	89.6	72.2	112.2



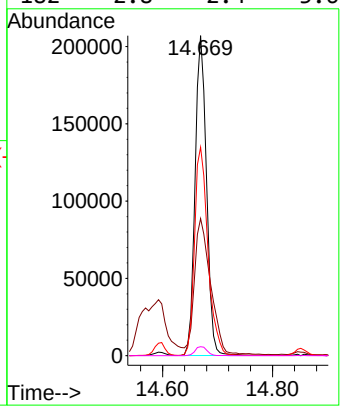


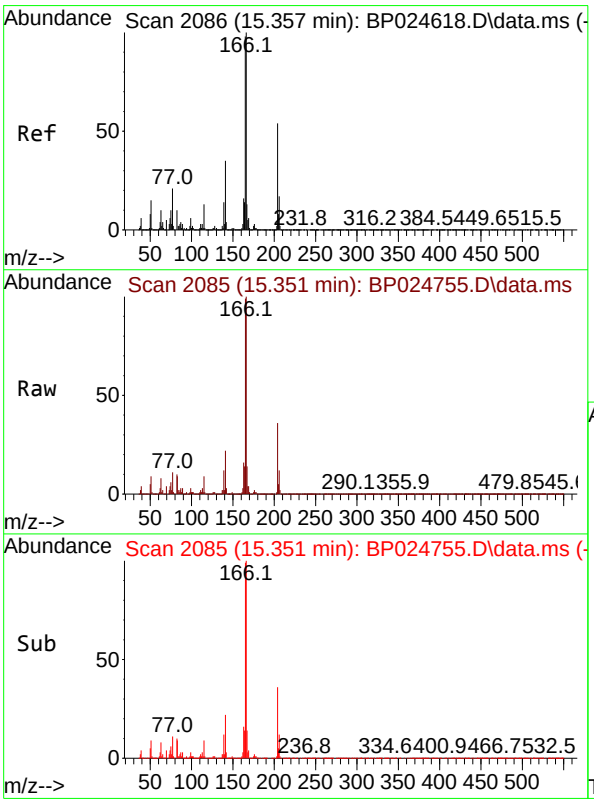
#57
2,4-Dinitrotoluene
Concen: 46.462 ng
RT: 14.669 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:165 Resp: 298529

Ion	Ratio	Lower	Upper
165	100		
63	42.9	33.8	50.6
89	65.1	55.6	83.4
182	2.8	2.4	3.6

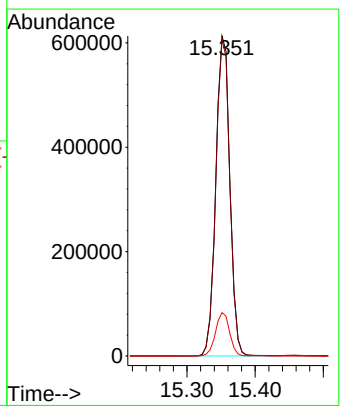


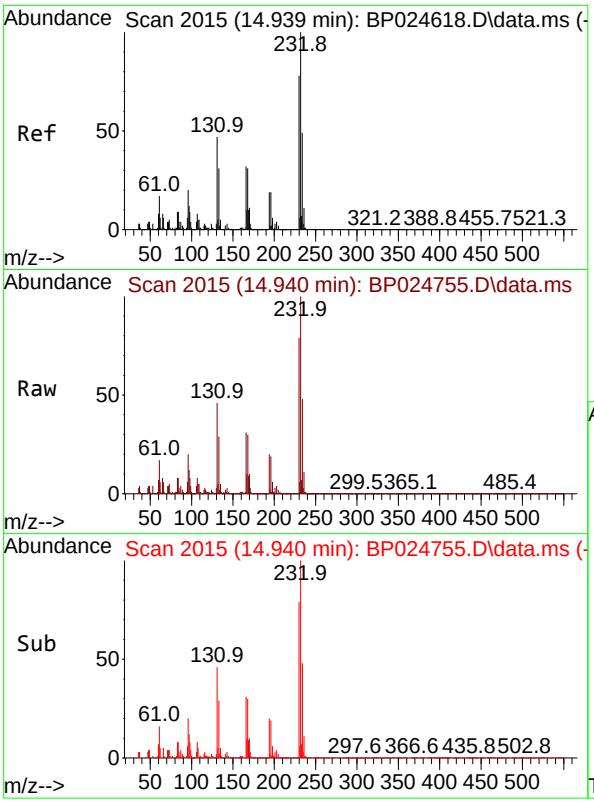


#58
Fluorene
Concen: 44.051 ng
RT: 15.351 min Scan# 2085
Delta R.T. -0.006 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:166 Resp: 879435

Ion	Ratio	Lower	Upper
166	100		
165	99.1	78.5	117.7
167	13.5	10.7	16.1



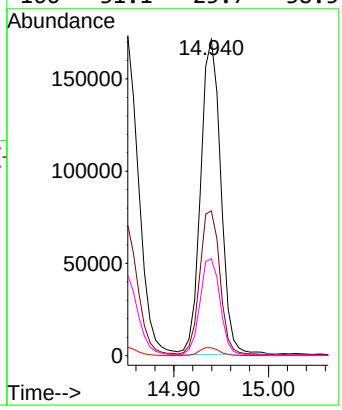


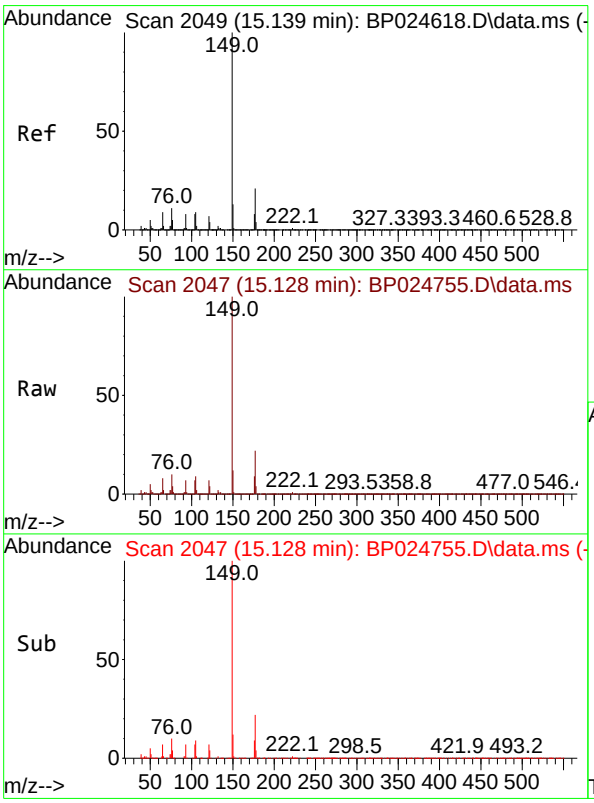
#59
2,3,4,6-Tetrachlorophenol
Concen: 45.726 ng
RT: 14.940 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:232 Resp: 251432

Ion	Ratio	Lower	Upper
232	100		
131	46.4	39.5	59.3
130	2.7	2.2	3.4
166	31.1	25.7	38.5

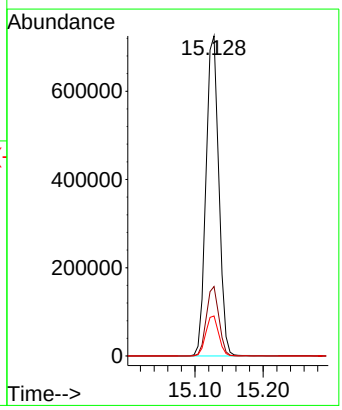


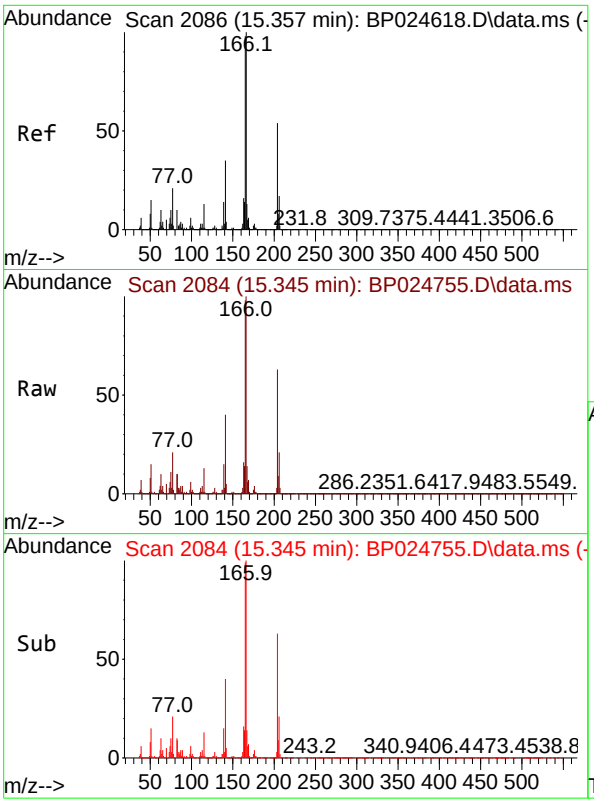


#60
Diethylphthalate
Concen: 43.527 ng
RT: 15.128 min Scan# 2047
Delta R.T. -0.012 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:149 Resp: 949347

Ion	Ratio	Lower	Upper
149	100		
177	21.7	16.7	25.1
150	12.5	10.2	15.2



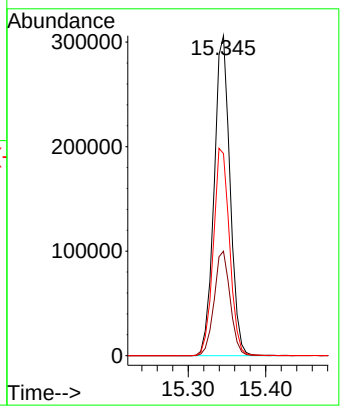


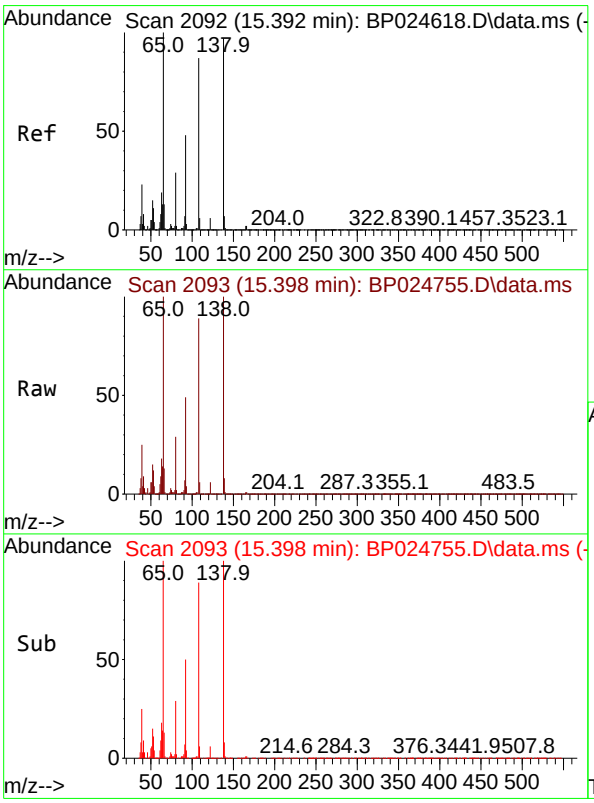
#61
4-Chlorophenyl-phenylether
Concen: 43.923 ng
RT: 15.345 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:204 Resp: 437310

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.0	39.0
141	63.2	52.9	79.3

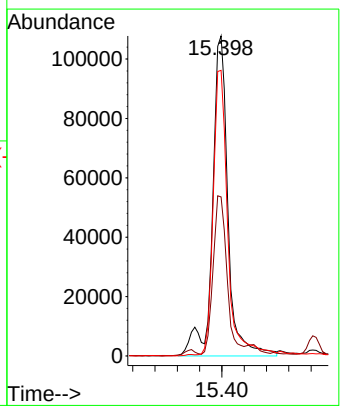


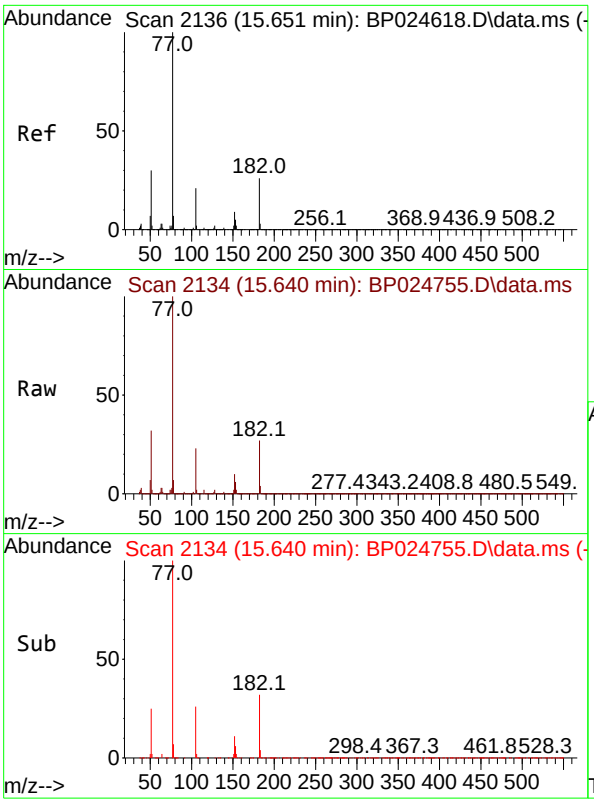


#62
4-Nitroaniline
Concen: 46.348 ng m
RT: 15.398 min Scan# 2093
Delta R.T. 0.006 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:138 Resp: 208254

Ion	Ratio	Lower	Upper
138	100		
92	49.7	29.2	69.2
108	89.2	69.0	109.0



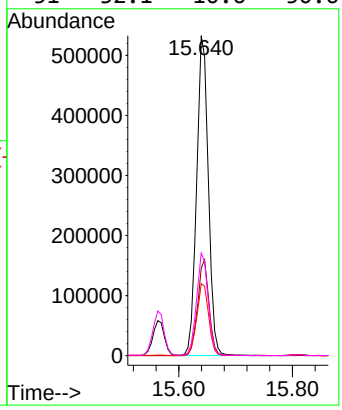


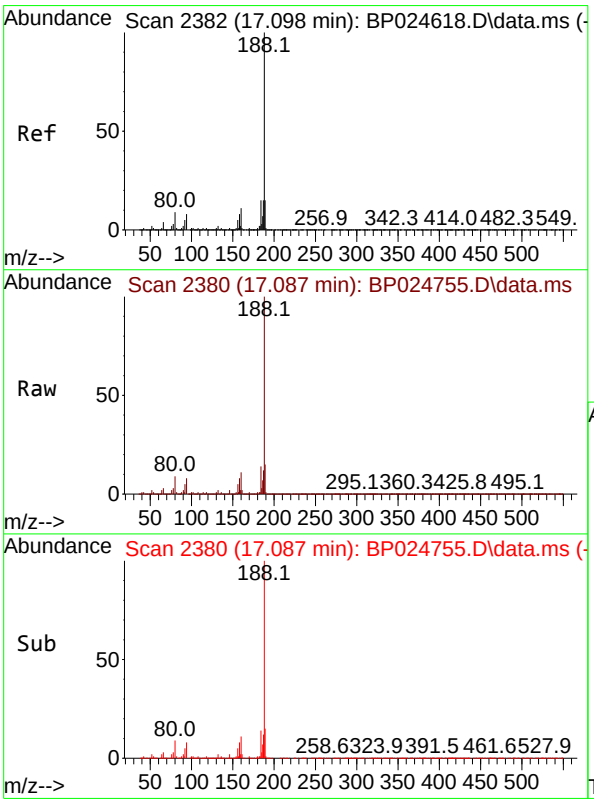
#63
Azobenzene
Concen: 40.952 ng
RT: 15.640 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion: 77 Resp: 764105

Ion	Ratio	Lower	Upper
77	100		
182	27.4	5.7	45.7
105	22.5	1.3	41.3
51	32.1	10.6	50.6

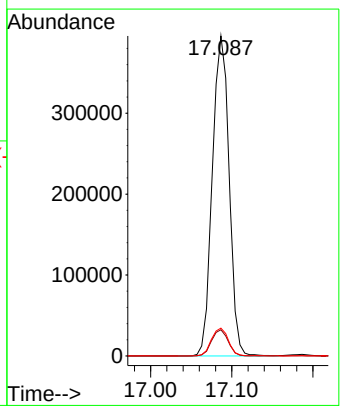


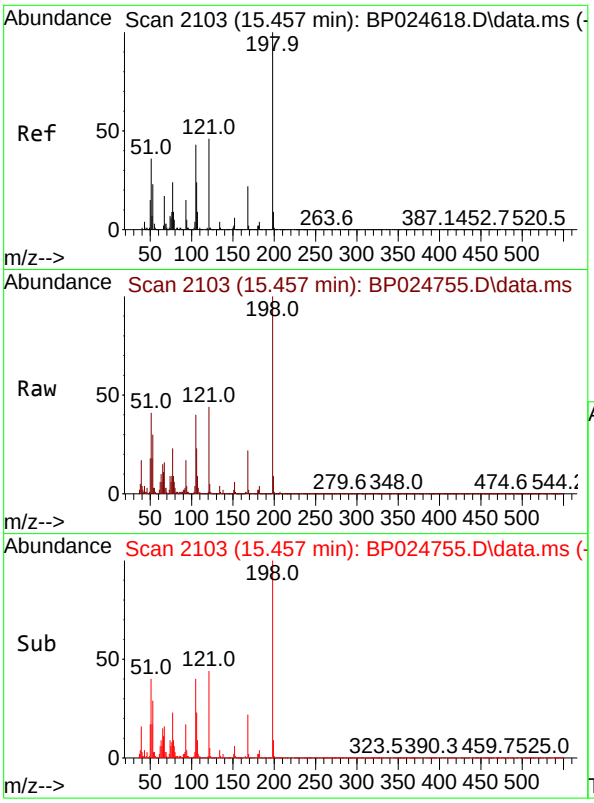


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.087 min Scan# 2380
Delta R.T. -0.012 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:188 Resp: 568580

Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.5	9.7
80	8.7	7.3	10.9



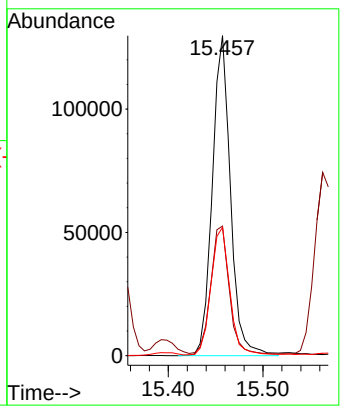


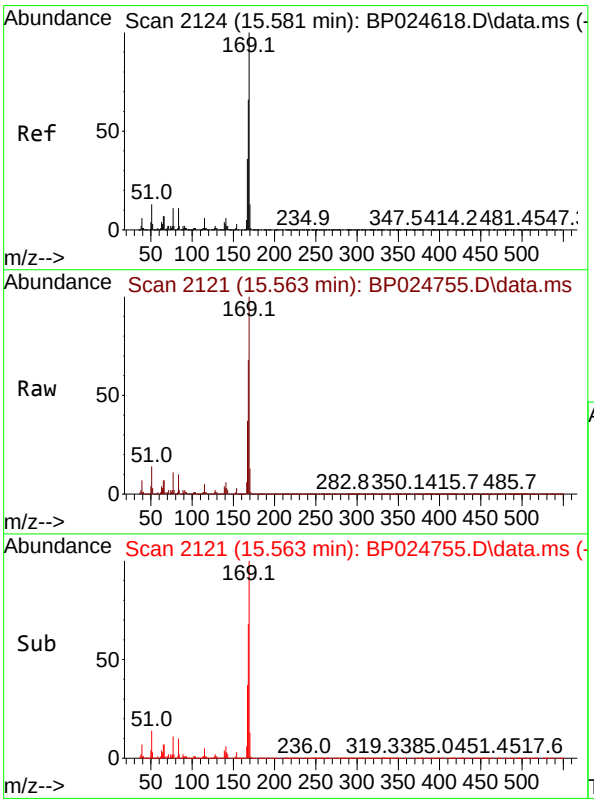
#65
4,6-Dinitro-2-methylphenol
Concen: 46.989 ng
RT: 15.457 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:198 Resp: 172573

Ion	Ratio	Lower	Upper
198	100		
51	40.5	21.1	61.1
105	40.1	23.6	63.6

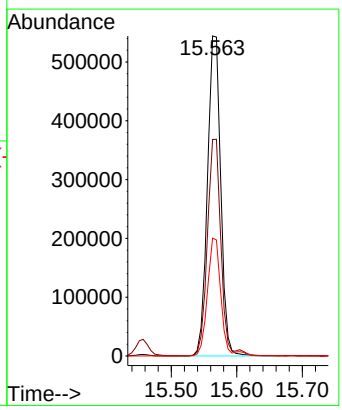


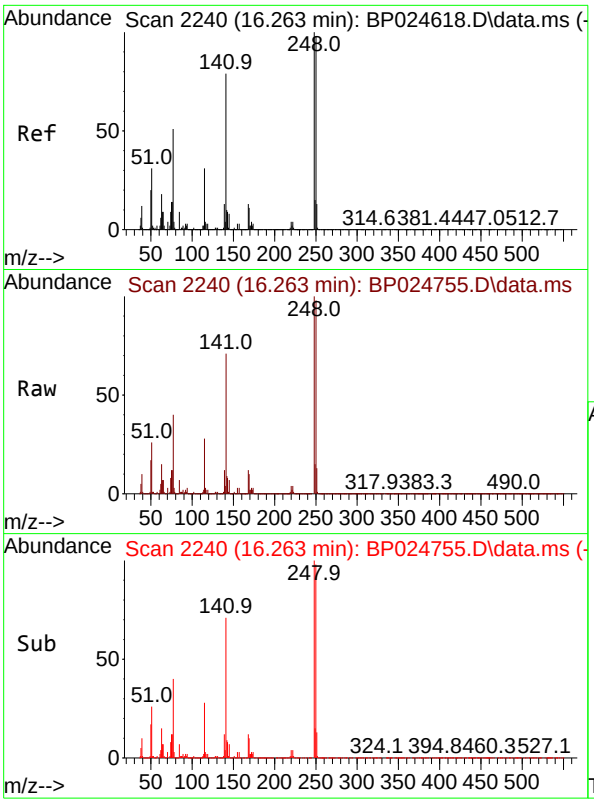


#66
n-Nitrosodiphenylamine
Concen: 43.944 ng
RT: 15.563 min Scan# 2121
Delta R.T. -0.018 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:169 Resp: 767455

Ion	Ratio	Lower	Upper
169	100		
168	67.6	53.2	79.8
167	36.8	28.6	43.0



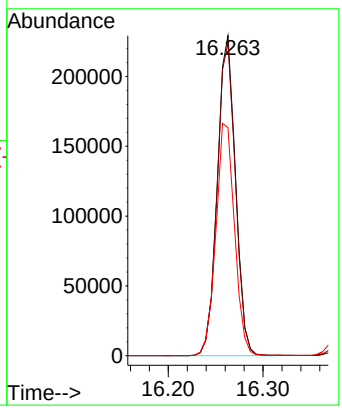


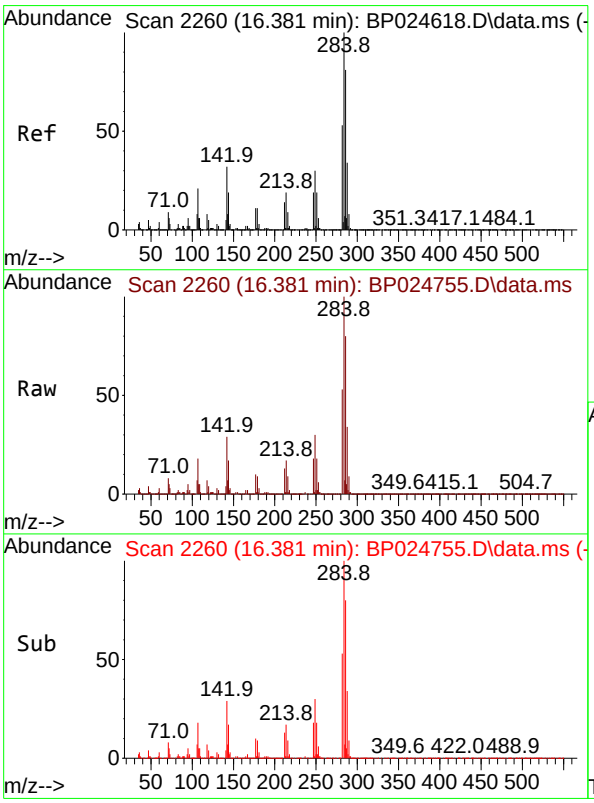
#67
4-Bromophenyl-phenylether
Concen: 45.770 ng
RT: 16.263 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:248 Resp: 306650

Ion	Ratio	Lower	Upper
248	100		
250	97.8	78.2	117.4
141	71.2	63.0	94.6

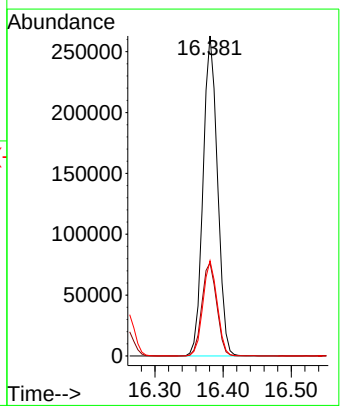


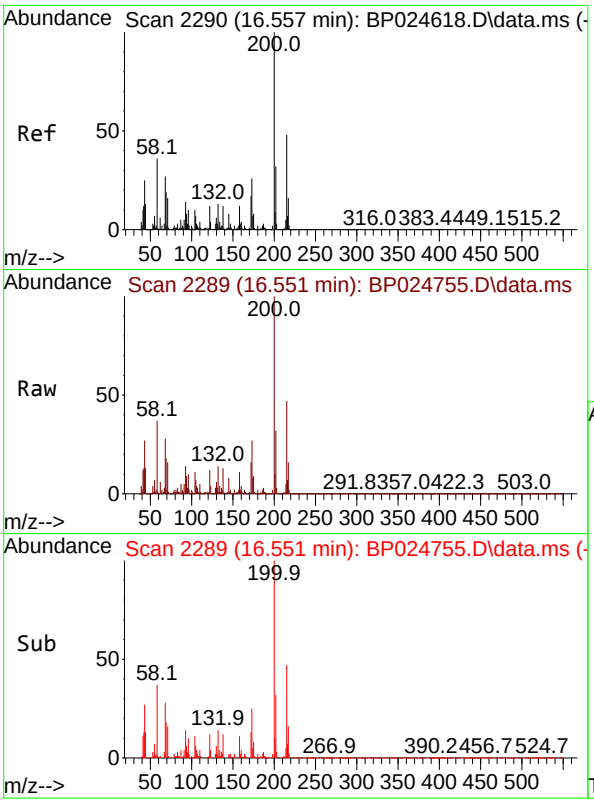


#68
Hexachlorobenzene
Concen: 45.465 ng
RT: 16.381 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:284 Resp: 387062

Ion	Ratio	Lower	Upper
284	100		
142	29.1	25.9	38.9
249	29.7	24.1	36.1



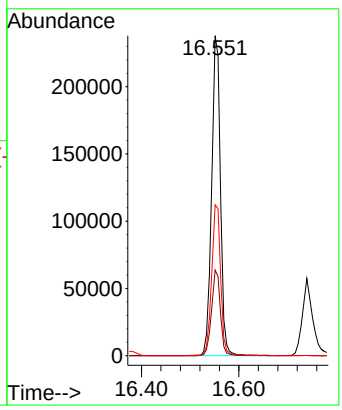


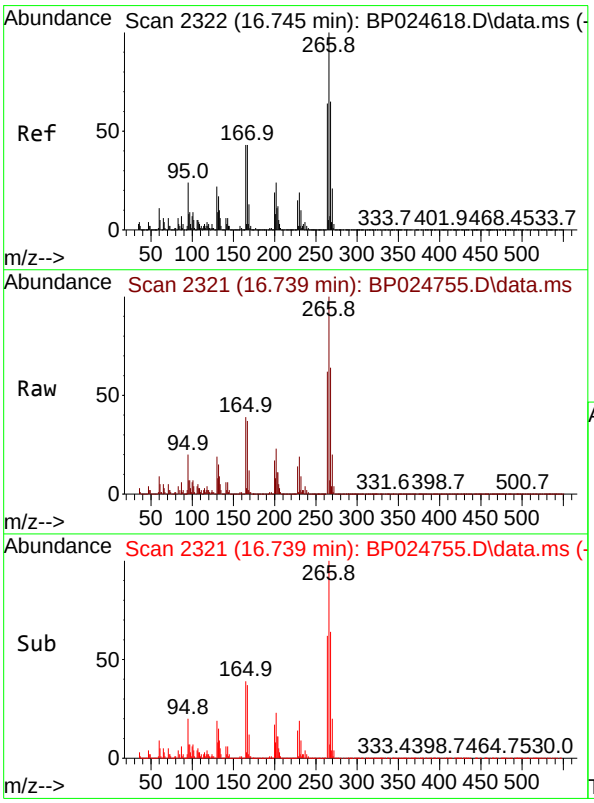
#69
Atrazine
Concen: 46.383 ng
RT: 16.551 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:200 Resp: 296861

Ion	Ratio	Lower	Upper
200	100		
173	26.7	5.9	45.9
215	47.2	28.3	68.3

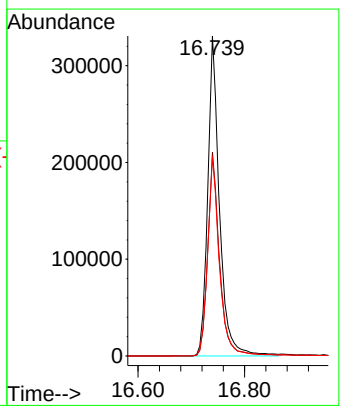


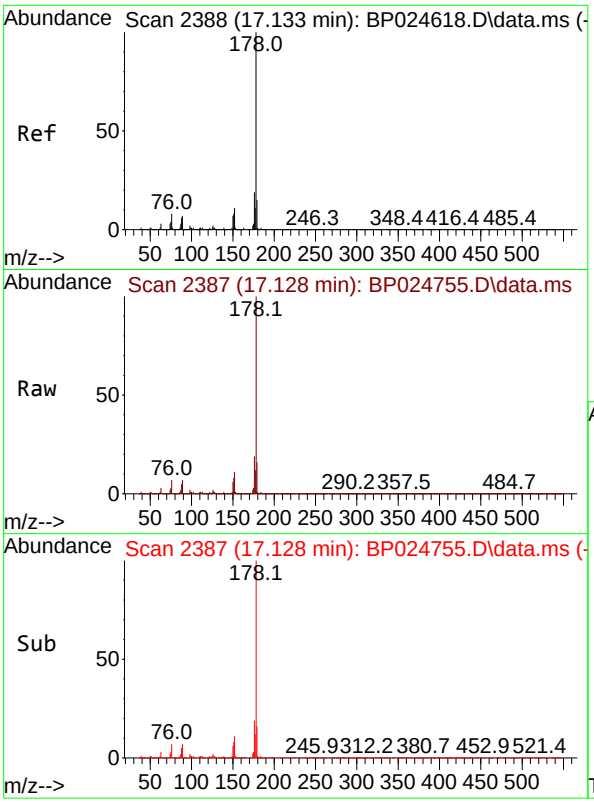


#70
Pentachlorophenol
Concen: 105.866 ng
RT: 16.739 min Scan# 2321
Delta R.T. -0.006 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:266 Resp: 505930

Ion	Ratio	Lower	Upper
266	100		
268	63.6	52.2	78.4
264	62.4	51.1	76.7



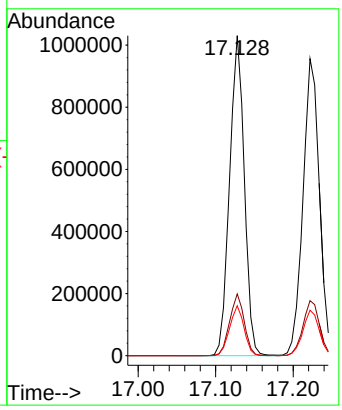


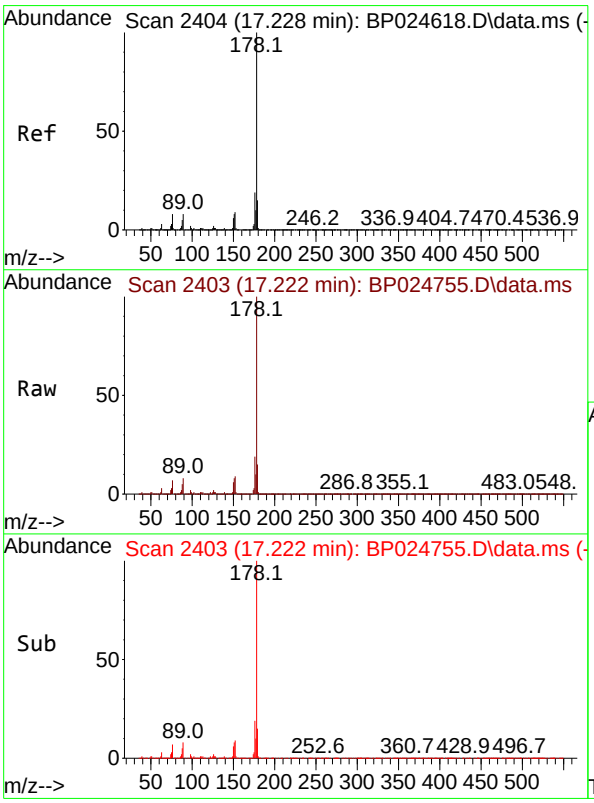
#71
Phenanthrene
Concen: 43.239 ng
RT: 17.128 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:178 Resp: 1366718

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.6	12.2	18.4

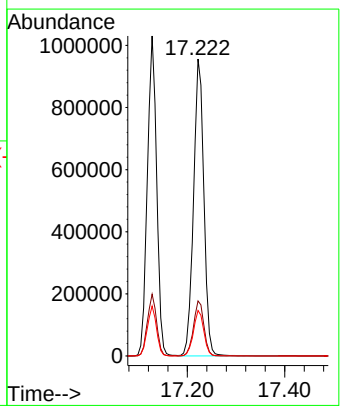


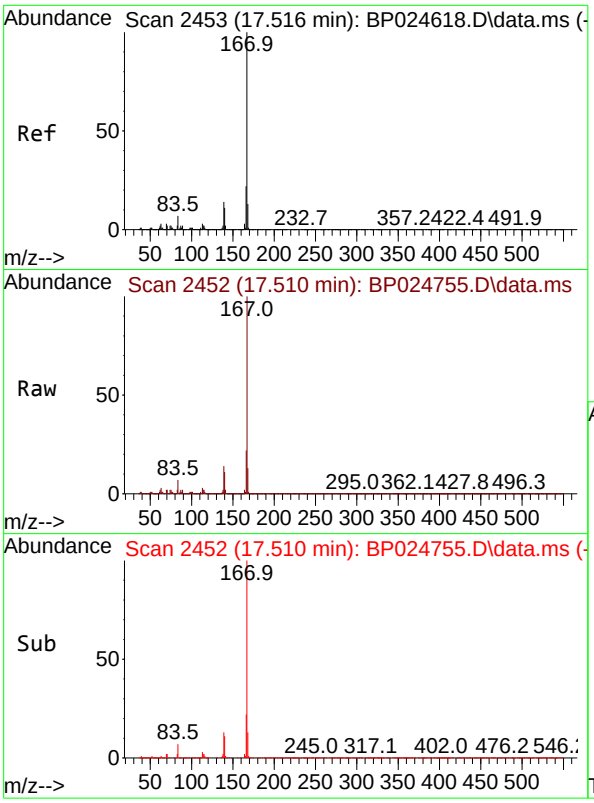


#72
Anthracene
Concen: 44.495 ng
RT: 17.222 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:178 Resp: 1415016

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	15.3	12.2	18.2



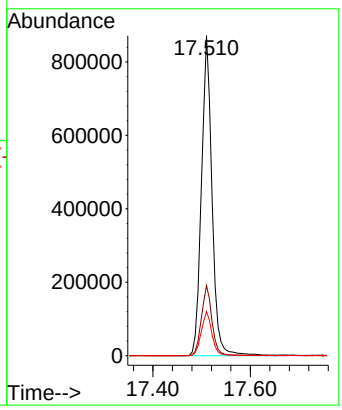


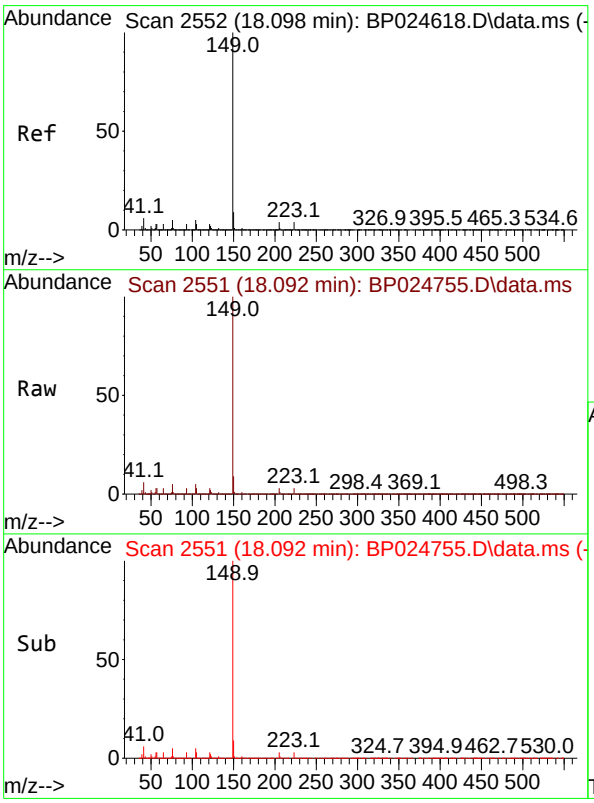
#73
Carbazole
Concen: 45.494 ng
RT: 17.510 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:167 Resp: 1309469

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.7	26.5
139	13.8	11.3	16.9

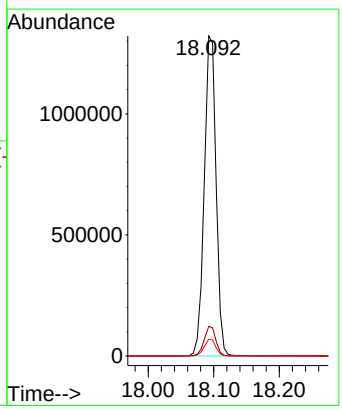


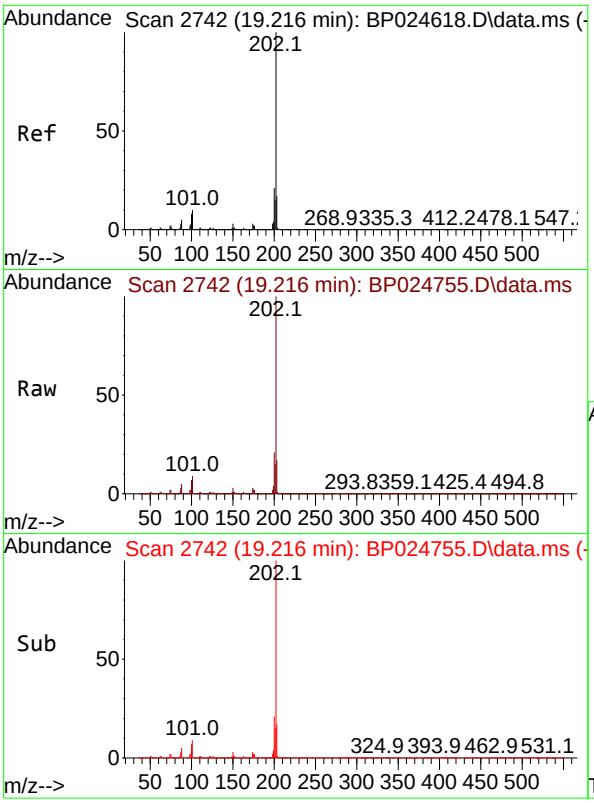


#74
Di-n-butylphthalate
Concen: 44.777 ng
RT: 18.092 min Scan# 2551
Delta R.T. -0.006 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:149 Resp: 1657555

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.2	10.8
104	5.2	4.3	6.5



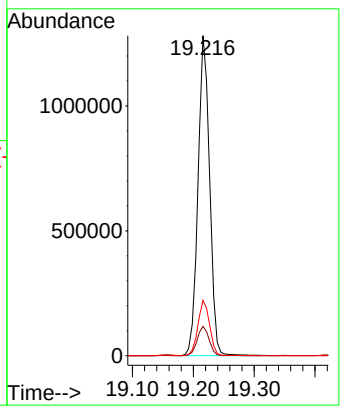


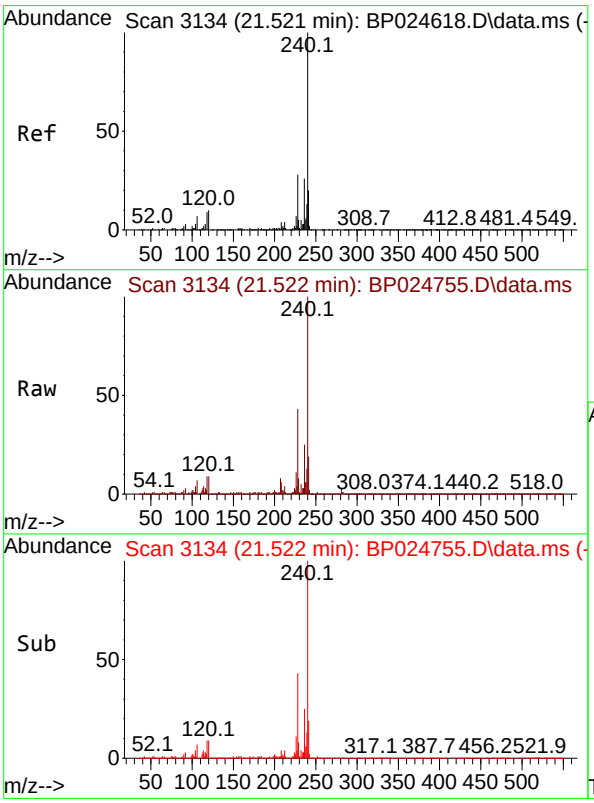
#75
Fluoranthene
Concen: 45.976 ng
RT: 19.216 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:202 Resp: 1698716

Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	30.3
203	17.2	0.0	37.5

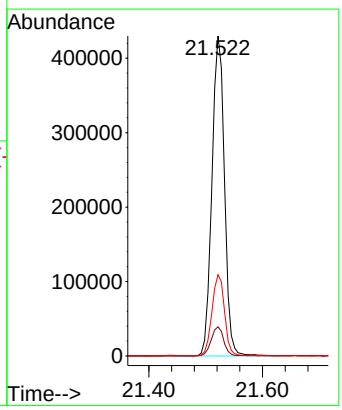


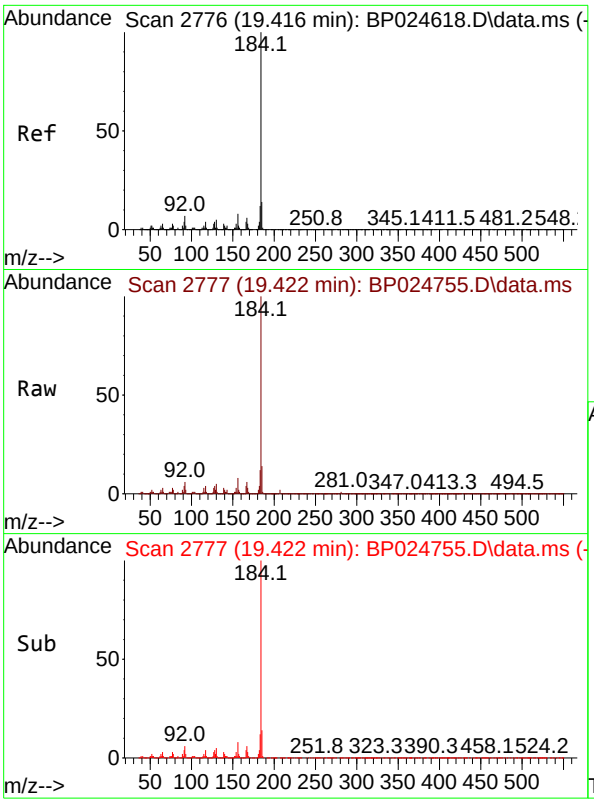


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.522 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:240 Resp: 655197

Ion	Ratio	Lower	Upper
240	100		
120	9.1	7.8	11.6
236	25.4	20.6	31.0



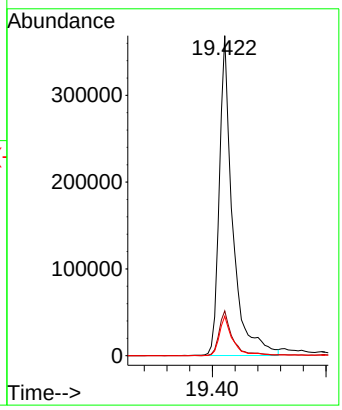


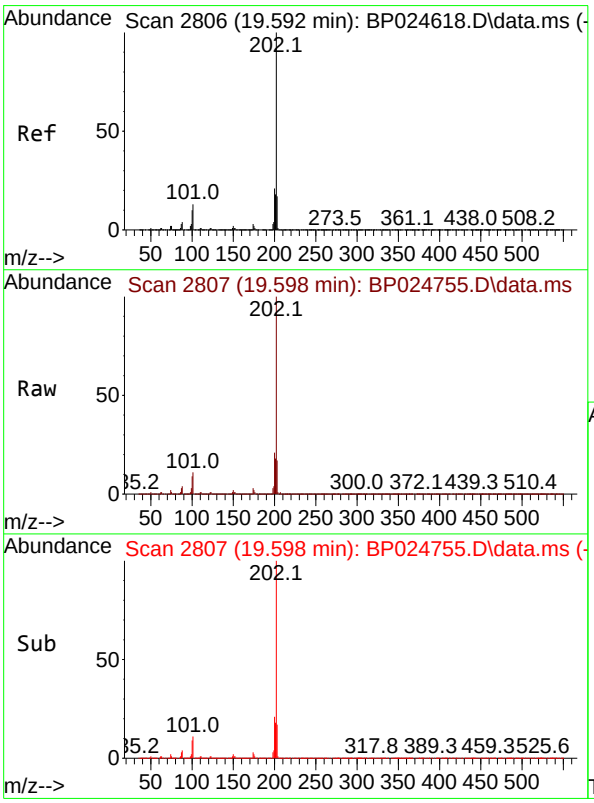
#77
Benzidine
Concen: 33.628 ng
RT: 19.422 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:184 Resp: 600097

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.2	16.8
183	12.3	9.8	14.8

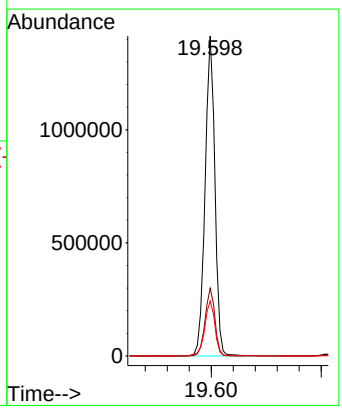


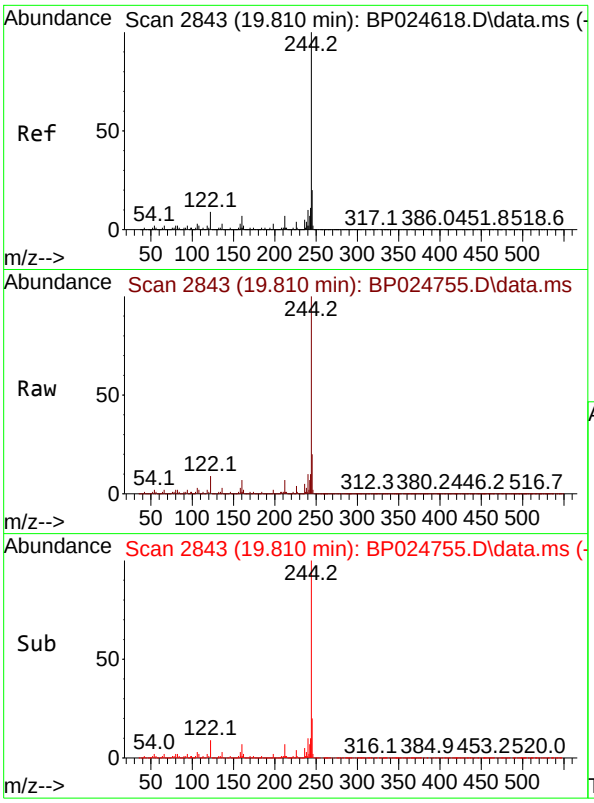


#78
Pyrene
Concen: 44.462 ng
RT: 19.598 min Scan# 2807
Delta R.T. 0.006 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:202 Resp: 1745500

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.9	25.3
203	17.2	13.9	20.9



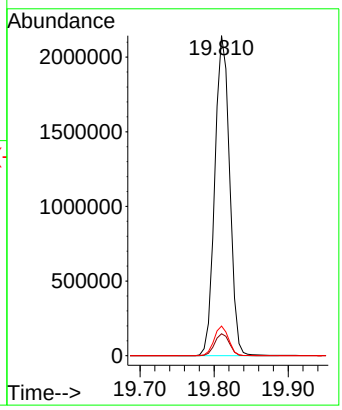


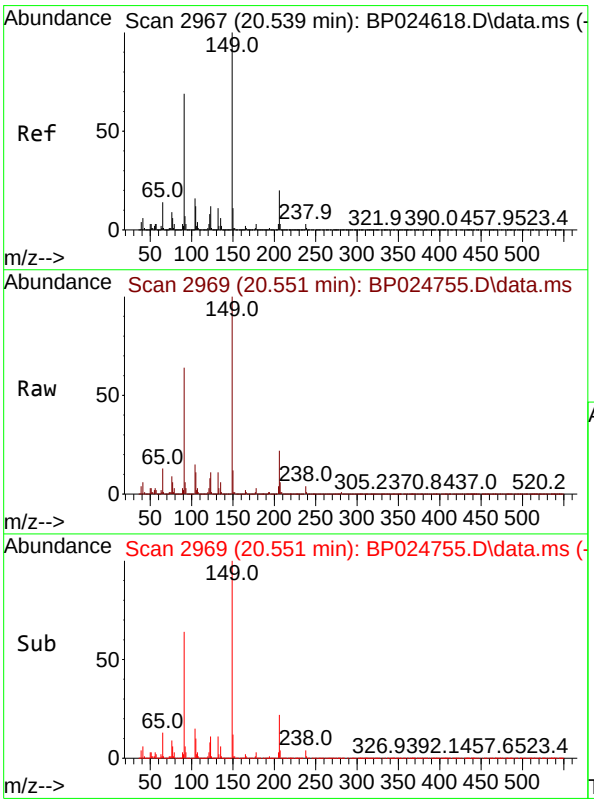
#79
Terphenyl-d14
Concen: 77.900 ng
RT: 19.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:244 Resp: 2976627

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	9.3	7.4	11.0

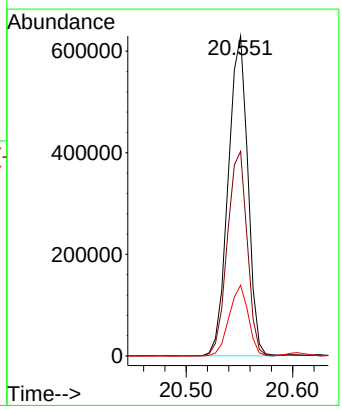


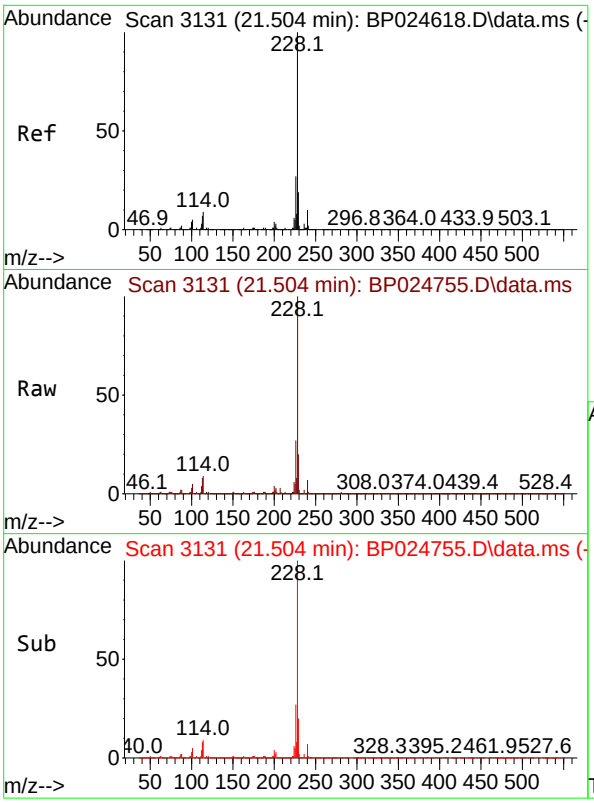


#80
Butylbenzylphthalate
Concen: 46.059 ng
RT: 20.551 min Scan# 2969
Delta R.T. 0.012 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:149 Resp: 804165

Ion	Ratio	Lower	Upper
149	100		
91	64.0	55.4	83.0
206	22.1	16.2	24.2



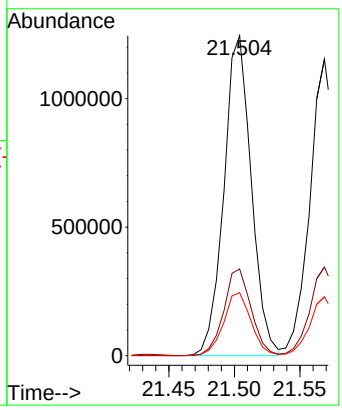


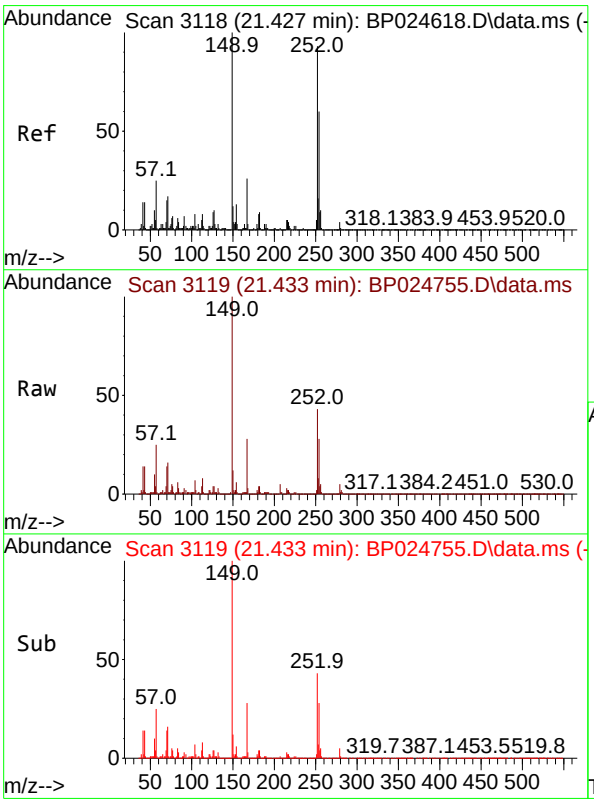
#81
Benzo(a)anthracene
Concen: 43.936 ng
RT: 21.504 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:228 Resp: 1807550

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.4	32.0
229	19.7	15.5	23.3

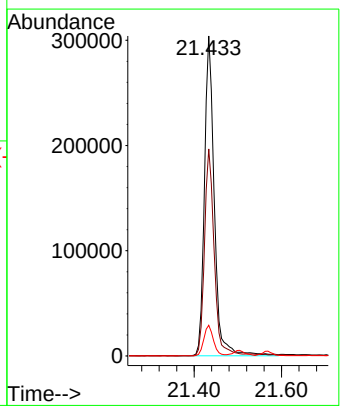


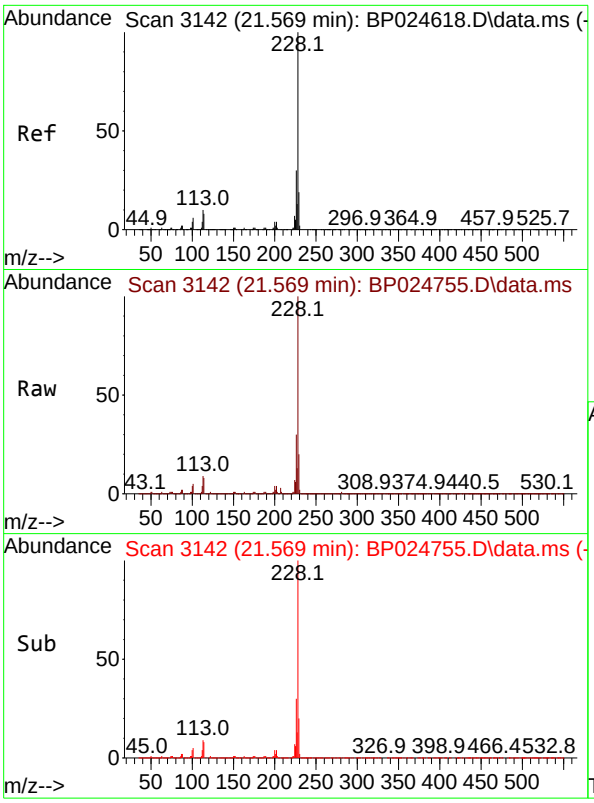


#82
3,3'-Dichlorobenzidine
Concen: 31.292 ng
RT: 21.433 min Scan# 3119
Delta R.T. 0.006 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:252 Resp: 478160

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.8	77.6
126	9.6	7.7	11.5



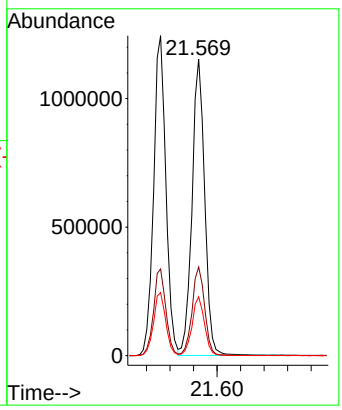


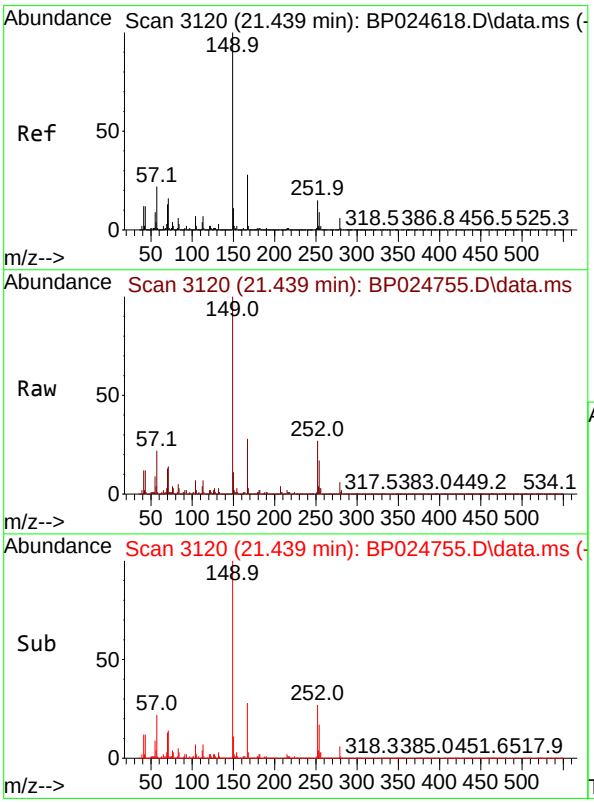
#83
Chrysene
Concen: 44.134 ng
RT: 21.569 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:228 Resp: 1721196

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.9	35.9
229	19.9	15.5	23.3

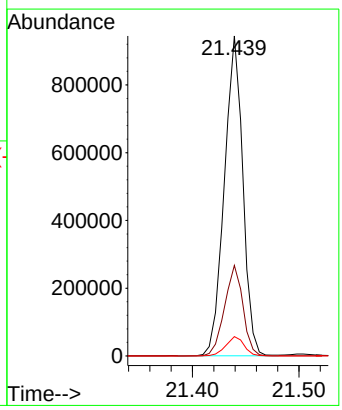


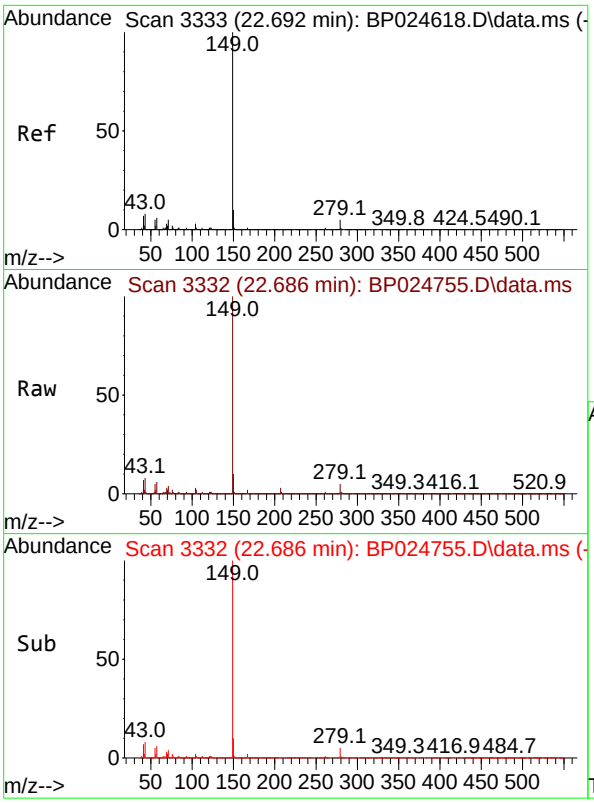


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.240 ng
RT: 21.439 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:149 Resp: 1135308

Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.1	33.1
279	6.1	4.6	6.8



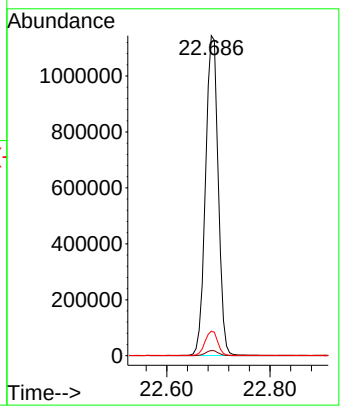


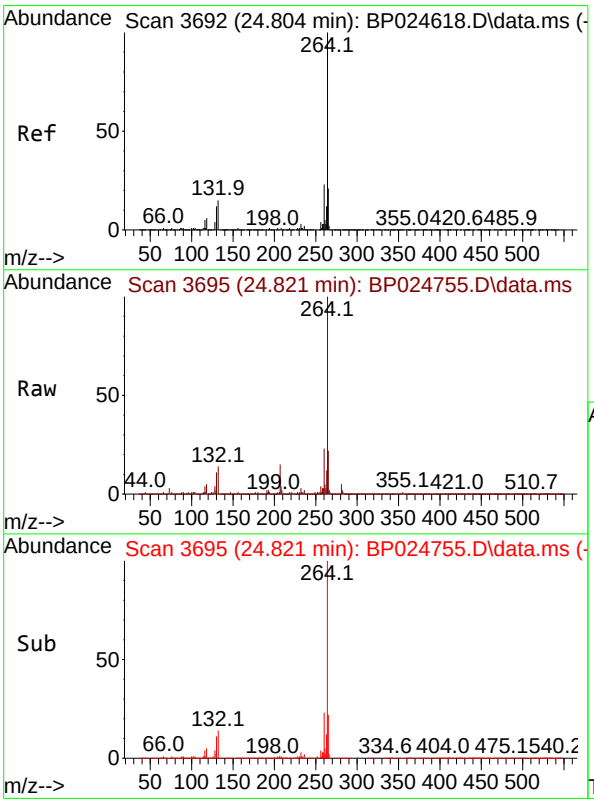
#85
Di-n-octyl phthalate
Concen: 46.278 ng
RT: 22.686 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:149 Resp: 1942063

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.6	6.3	9.5

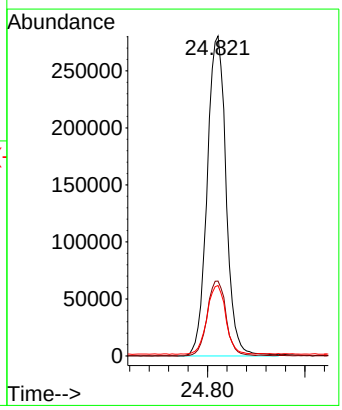


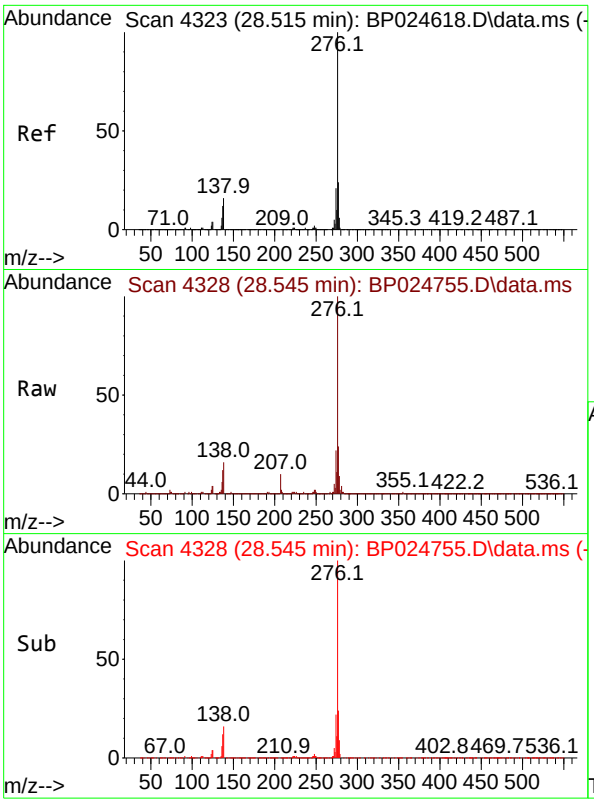


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.821 min Scan# 3695
Delta R.T. 0.018 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:264 Resp: 754804

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	22.0	17.0	25.6



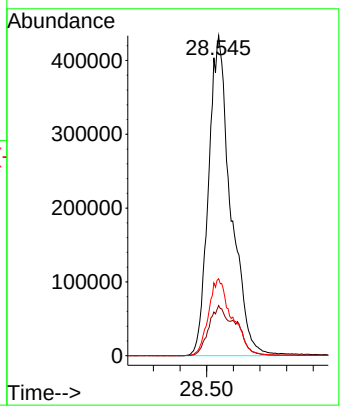


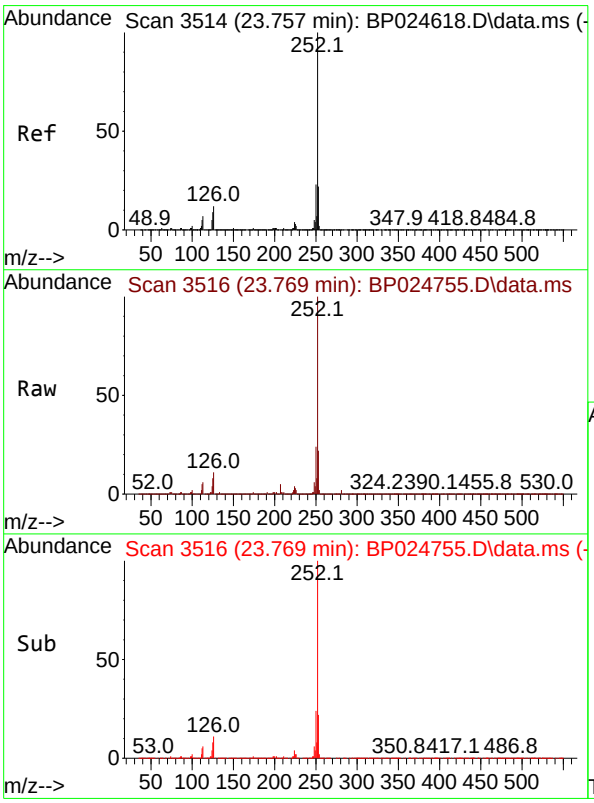
#87
Indeno(1,2,3-cd)pyrene
Concen: 45.679 ng
RT: 28.545 min Scan# 4
Delta R.T. 0.030 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:276 Resp: 2517163

Ion	Ratio	Lower	Upper
276	100		
138	12.7	11.2	16.8
277	25.6	15.7	23.5#

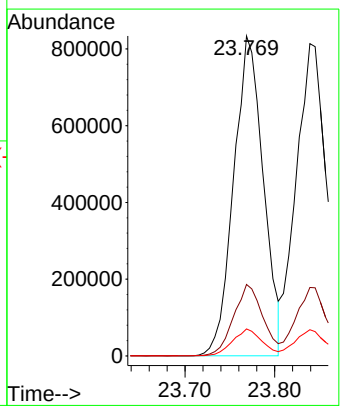


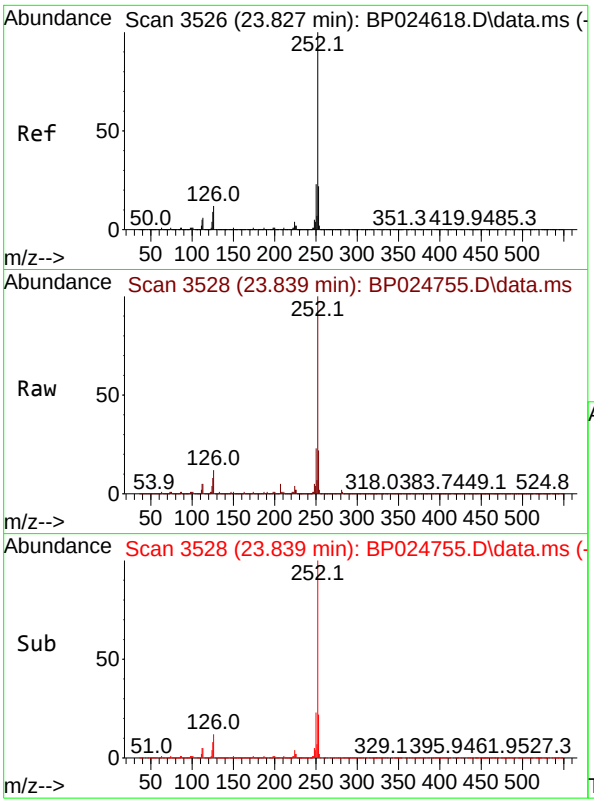


#88
Benzo(b)fluoranthene
Concen: 44.244 ng
RT: 23.769 min Scan# 3516
Delta R.T. 0.012 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:252 Resp: 1911502

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	8.5	7.5	11.3



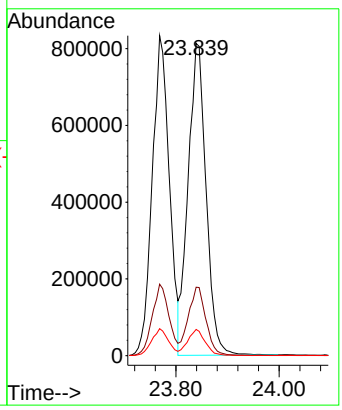


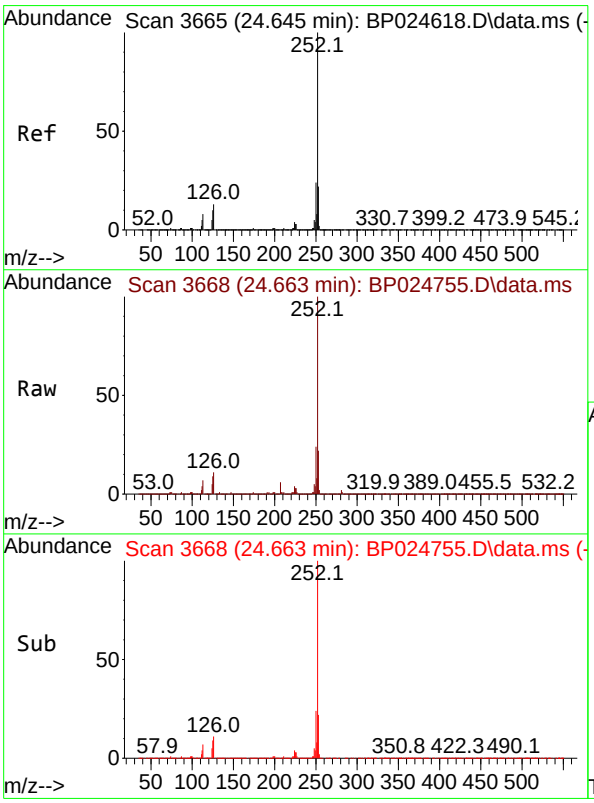
#89
Benzo(k)fluoranthene
Concen: 44.015 ng
RT: 23.839 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:252 Resp: 1959499

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	8.4	7.0	10.4

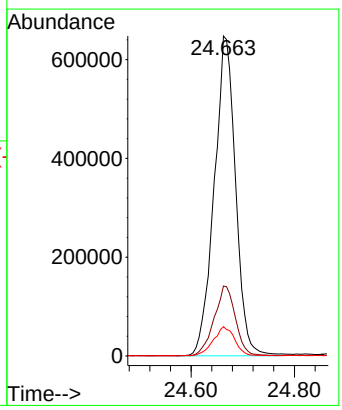


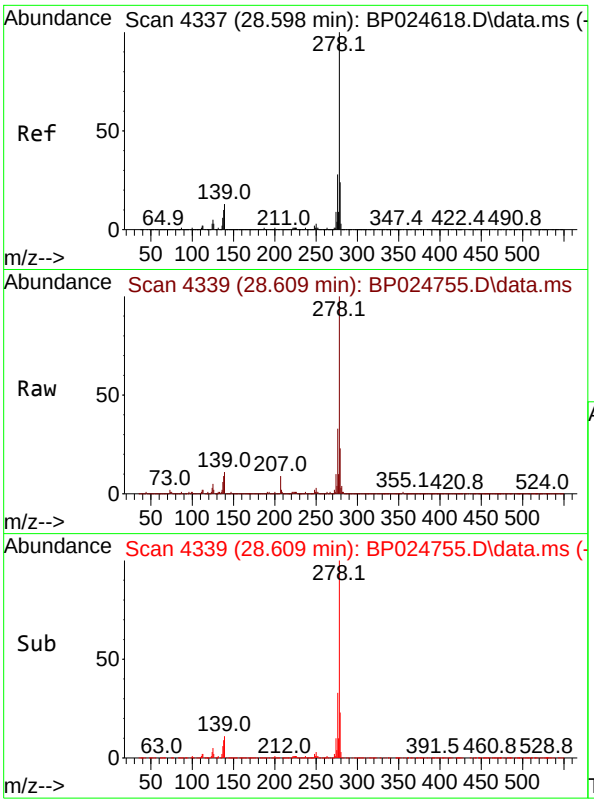


#90
Benzo(a)pyrene
Concen: 44.753 ng
RT: 24.663 min Scan# 3668
Delta R.T. 0.018 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:252 Resp: 1856955

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	9.2	8.1	12.1



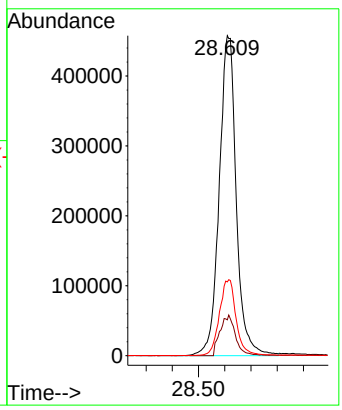


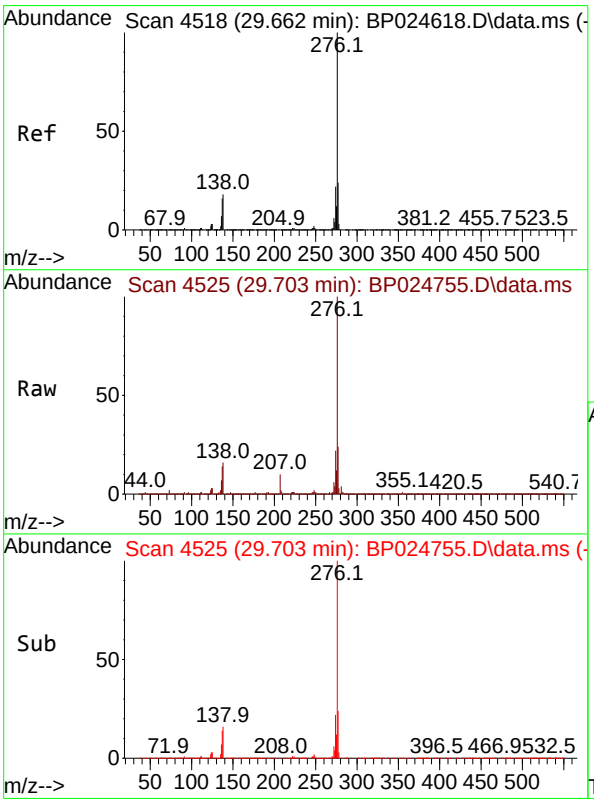
#91
Dibenzo(a,h)anthracene
Concen: 45.952 ng
RT: 28.609 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Tgt Ion:278 Resp: 2060035

Ion	Ratio	Lower	Upper
278	100		
139	11.2	10.2	15.4
279	23.1	19.0	28.4

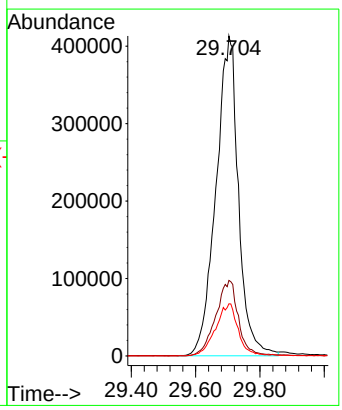




#92
Benzo(g,h,i)perylene
Concen: 44.913 ng
RT: 29.703 min Scan# 4525
Delta R.T. 0.041 min
Lab File: BP024755.D
Acq: 22 May 2025 12:18

Tgt Ion:276 Resp: 2002260

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.4
138	16.3	14.4	21.6



Raw Data: **BP024756.D**

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Nelson			Date Received:	
Client Sample ID:	PB168098BSD			SDG No.:	Q2073
Lab Sample ID:	PB168098BSD			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group2
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024756.D	1	05/21/25 08:40	05/22/25 12:58	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	36.2		3.90	10.0	ug/L
111-44-4	bis(2-Chloroethyl)ether	40.2		0.81	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	39.6		1.30	5.00	ug/L
98-86-2	Acetophenone	42.3		0.74	5.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine	39.1		1.40	2.50	ug/L
67-72-1	Hexachloroethane	41.6		0.65	5.00	ug/L
98-95-3	Nitrobenzene	42.0		0.76	5.00	ug/L
78-59-1	Isophorone	40.8		0.75	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41.2		0.68	5.00	ug/L
91-20-3	Naphthalene	43.4		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	15.2		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	45.0		0.54	5.00	ug/L
105-60-2	Caprolactam	45.8		1.10	10.0	ug/L
91-57-6	2-Methylnaphthalene	43.0		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	85.2	E	3.60	10.0	ug/L
92-52-4	1,1-Biphenyl	43.6		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	43.7		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	44.1		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	44.3		0.61	5.00	ug/L
208-96-8	Acenaphthylene	43.6		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	45.5		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	21.1		1.10	5.00	ug/L
83-32-9	Acenaphthene	43.5		0.55	5.00	ug/L
132-64-9	Dibenzofuran	44.0		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	47.5		1.20	5.00	ug/L
84-66-2	Diethylphthalate	45.4		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	45.9		0.68	5.00	ug/L
86-73-7	Fluorene	44.9		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	47.3		1.50	5.00	ug/L

Raw Data: **BP024756.D**

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Nelson			Date Received:	
Client Sample ID:	PB168098BSD			SDG No.:	Q2073
Lab Sample ID:	PB168098BSD			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group2
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024756.D	1	05/21/25 08:40	05/22/25 12:58	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
86-30-6	n-Nitrosodiphenylamine	45.6		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	46.8		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	46.7		0.52	5.00	ug/L
1912-24-9	Atrazine	48.4		1.00	5.00	ug/L
85-01-8	Phenanthrene	44.0		0.50	5.00	ug/L
120-12-7	Anthracene	45.1		0.61	5.00	ug/L
86-74-8	Carbazole	46.6		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	47.2		1.20	5.00	ug/L
206-44-0	Fluoranthene	45.8		0.82	5.00	ug/L
129-00-0	Pyrene	45.6		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	48.5		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	30.4		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	45.5		0.45	5.00	ug/L
218-01-9	Chrysene	44.4		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	49.1		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	49.6		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	46.7		0.49	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	45.6		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	46.1		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	44.8		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	45.2		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	43.9		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	45.3		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	30.9		1.00	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	73.9		30 (49) - 130 (133)	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.8		30 (52) - 130 (132)	77%	SPK: 100
1718-51-0	Terphenyl-d14	81.5		30 (48) - 130 (125)	81%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	126000	7.652			

Raw Data: **BP024756.D**

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Nelson			Date Received:	
Client Sample ID:	PB168098BSD			SDG No.:	Q2073
Lab Sample ID:	PB168098BSD			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group2
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024756.D	1	05/21/25 08:40	05/22/25 12:58	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1146-65-2	Naphthalene-d8	523000	10.416			
15067-26-2	Acenaphthene-d10	339000	14.287			
1517-22-2	Phenanthrene-d10	687000	17.092			
1719-03-5	Chrysene-d12	769000	21.51			
1520-96-3	Perylene-d12	836000	24.786			

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\BP052225\
Data File : BP024756.D
Acq On : 22 May 2025 12:58
Operator : RC/JU
Sample : PB168098BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Quant Time: May 22 13:25:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.652	152	126327	20.000	ng		-0.01
21) Naphthalene-d8	10.416	136	523024	20.000	ng		-0.02
39) Acenaphthene-d10	14.287	164	338733	20.000	ng		-0.02
64) Phenanthrene-d10	17.092	188	686645	20.000	ng		0.00
76) Chrysene-d12	21.510	240	768545	20.000	ng		-0.01
86) Perylene-d12	24.786	264	835982	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.287	112	1006990	136.339	ng		0.00
7) Phenol-d6	6.858	99	1245584	132.137	ng		0.00
23) Nitrobenzene-d5	8.805	82	764802	73.883	ng		0.00
42) 2,4,6-Tribromophenol	15.810	330	848083	147.685	ng		0.00
45) 2-Fluorobiphenyl	12.899	172	1985294	76.786	ng		0.00
79) Terphenyl-d14	19.816	244	3652739	81.496	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.223	88	107291	30.935	ng		98
3) Pyridine	3.617	79	272244	35.401	ng		97
4) n-Nitrosodimethylamine	3.528	42	142518	41.978	ng		95
6) Aniline	6.993	93	278550	22.887	ng		99
8) 2-Chlorophenol	7.234	128	400340	47.747	ng		99
9) Benzaldehyde	6.811	77	221040	36.224	ng		97
10) Phenol	6.881	94	447784	46.024	ng		98
11) bis(2-Chloroethyl)ether	7.087	93	321348	40.196	ng		99
12) 1,3-Dichlorobenzene	7.546	146	411266	42.633	ng		98
13) 1,4-Dichlorobenzene	7.687	146	421327	43.426	ng		98
14) 1,2-Dichlorobenzene	7.999	146	408503	43.209	ng		99
15) Benzyl Alcohol	7.899	79	325668	45.463	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.169	45	379444	39.632	ng		99
17) 2-Methylphenol	8.111	107	324116	46.447	ng		98
18) Hexachloroethane	8.716	117	154783	41.631	ng		98
19) n-Nitroso-di-n-propyla...	8.452	70	254858	39.085	ng		96
20) 3+4-Methylphenols	8.440	107	431650	45.474	ng		98
22) Acetophenone	8.469	105	553115	42.336	ng	#	99
24) Nitrobenzene	8.846	77	382330	41.971	ng		94
25) Isophorone	9.369	82	732635	40.802	ng		97
26) 2-Nitrophenol	9.546	139	218042	48.847	ng		98
27) 2,4-Dimethylphenol	9.622	122	369301	46.925	ng		100
28) bis(2-Chloroethoxy)met...	9.840	93	441817	41.185	ng		99
29) 2,4-Dichlorophenol	10.093	162	375212	49.198	ng		97
30) 1,2,4-Trichlorobenzene	10.287	180	383813	44.659	ng		98
31) Naphthalene	10.469	128	1176453	43.406	ng		100
32) Benzoic acid	9.810	122	270871m	49.215	ng		
33) 4-Chloroaniline	10.605	127	165916	15.170	ng		99
34) Hexachlorobutadiene	10.752	225	250650	45.021	ng		96
35) Caprolactam	11.387	113	126254	45.756	ng		98
36) 4-Chloro-3-methylphenol	11.740	107	436668	46.951	ng		99
37) 2-Methylnaphthalene	12.081	142	753865	42.956	ng		99
38) 1-Methylnaphthalene	12.304	142	807085	42.981	ng		100
40) 1,2,4,5-Tetrachloroben...	12.463	216	446029	45.345	ng		100
41) Hexachlorocyclopentadiene	12.434	237	507943	85.162	ng		97
43) 2,4,6-Trichlorophenol	12.710	196	314461	49.357	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024756.D
Acq On : 22 May 2025 12:58
Operator : RC/JU
Sample : PB168098BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Quant Time: May 22 13:25:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

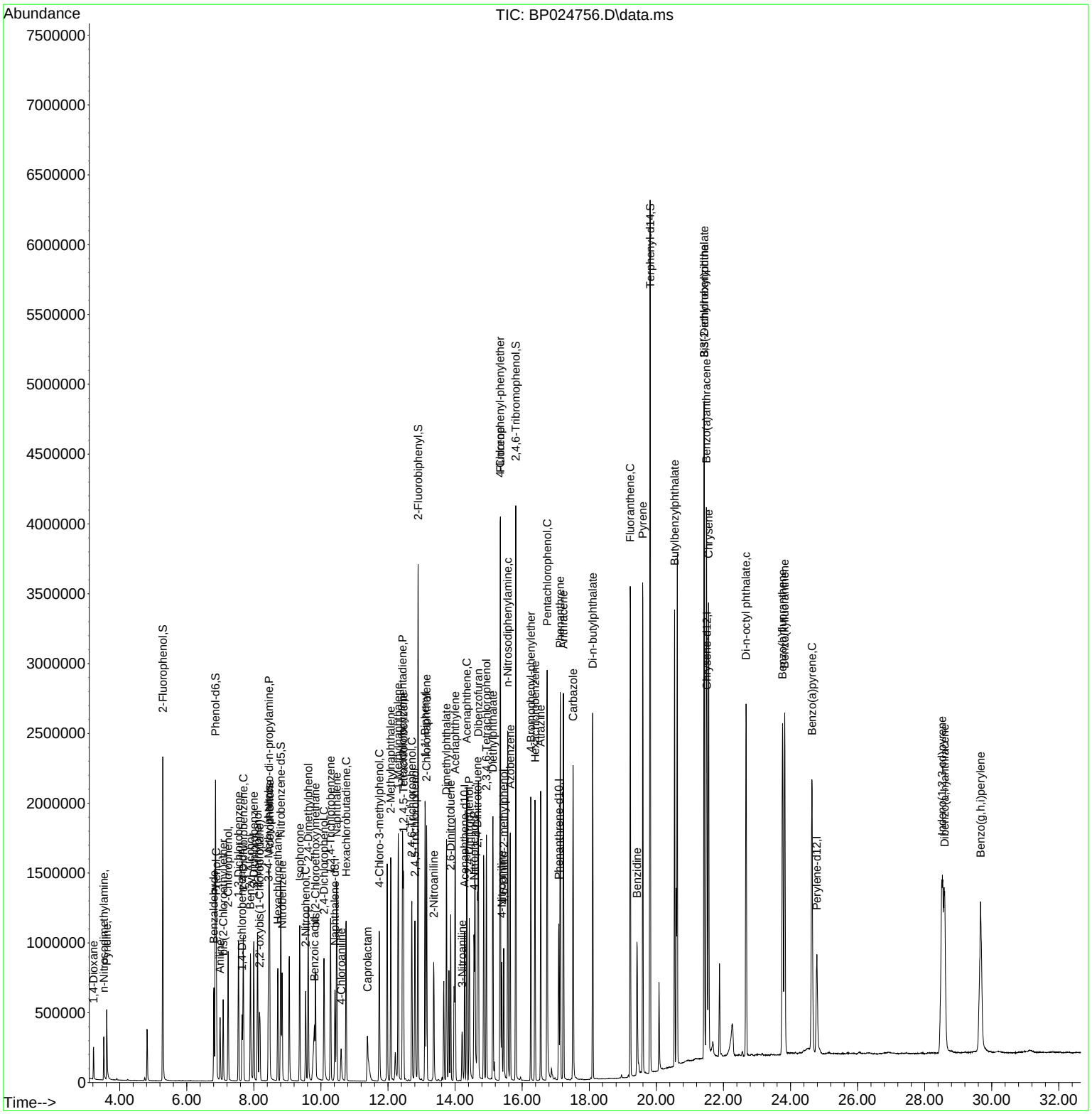
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.804	196	349258	49.247	ng		96
46) 1,1'-Biphenyl	13.104	154	1090713	43.566	ng		99
47) 2-Chloronaphthalene	13.152	162	833303	43.653	ng		99
48) 2-Nitroaniline	13.363	65	249151	44.085	ng		96
49) Acenaphthylene	14.004	152	1391550	43.560	ng		99
50) Dimethylphthalate	13.746	163	1142952	44.269	ng		100
51) 2,6-Dinitrotoluene	13.869	165	247920	45.467	ng		99
52) Acenaphthene	14.351	154	799545	43.536	ng		99
53) 3-Nitroaniline	14.210	138	117478	21.100	ng		96
54) 2,4-Dinitrophenol	14.422	184	322278	92.631	ng		96
55) Dibenzofuran	14.693	168	1288076	43.972	ng		100
56) 4-Nitrophenol	14.563	139	402969	83.411	ng		97
57) 2,4-Dinitrotoluene	14.669	165	365228	47.511	ng		97
58) Fluorene	15.351	166	1071652	44.866	ng		100
59) 2,3,4,6-Tetrachlorophenol	14.934	232	317896	48.321	ng		98
60) Diethylphthalate	15.128	149	1184185	45.380	ng		99
61) 4-Chlorophenyl-phenyle...	15.345	204	547042	45.924	ng		100
62) 4-Nitroaniline	15.393	138	254227m	47.290	ng		
63) Azobenzene	15.645	77	949950	42.554	ng		95
65) 4,6-Dinitro-2-methylph...	15.451	198	218741	49.318	ng		97
66) n-Nitrosodiphenylamine	15.569	169	961369	45.582	ng		99
67) 4-Bromophenyl-phenylether	16.257	248	378264	46.751	ng		97
68) Hexachlorobenzene	16.387	284	480414	46.728	ng		94
69) Atrazine	16.551	200	373961	48.382	ng		98
70) Pentachlorophenol	16.745	266	621802	107.740	ng		99
71) Phenanthrene	17.134	178	1679605	44.002	ng		100
72) Anthracene	17.228	178	1732101	45.101	ng		99
73) Carbazole	17.516	167	1619014	46.577	ng		100
74) Di-n-butylphthalate	18.104	149	2111662	47.236	ng		100
75) Fluoranthene	19.222	202	2044320	45.816	ng		99
77) Benzidine	19.422	184	742781	35.485	ng		99
78) Pyrene	19.592	202	2099503	45.592	ng		99
80) Butylbenzylphthalate	20.545	149	992487	48.461	ng		95
81) Benzo(a)anthracene	21.492	228	2194524	45.475	ng		99
82) 3,3'-Dichlorobenzidine	21.428	252	544789	30.394	ng		99
83) Chrysene	21.557	228	2031513	44.408	ng		100
84) Bis(2-ethylhexyl)phtha...	21.428	149	1478644	49.121	ng		99
85) Di-n-octyl phthalate	22.675	149	2442323	49.615	ng		99
87) Indeno(1,2,3-cd)pyrene	28.515	276	2735441	44.820	ng	#	92
88) Benzo(b)fluoranthene	23.763	252	2233590	46.679	ng		99
89) Benzo(k)fluoranthene	23.827	252	2248794	45.608	ng		99
90) Benzo(a)pyrene	24.639	252	2120304	46.138	ng		98
91) Dibenzo(a,h)anthracene	28.598	278	2246534	45.246	ng		99
92) Benzo(g,h,i)perylene	29.668	276	2167806	43.905	ng		97

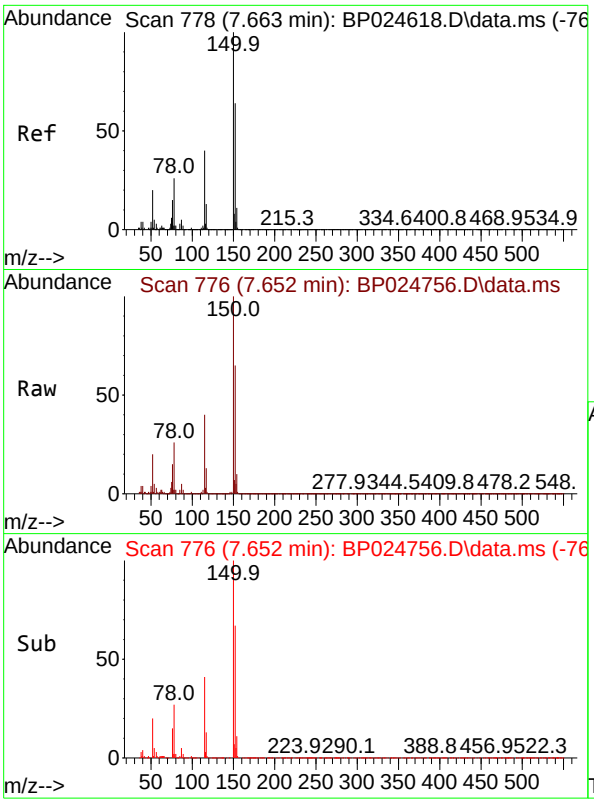
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024756.D
Acq On : 22 May 2025 12:58
Operator : RC/JU
Sample : PB168098BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Quant Time: May 22 13:25:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



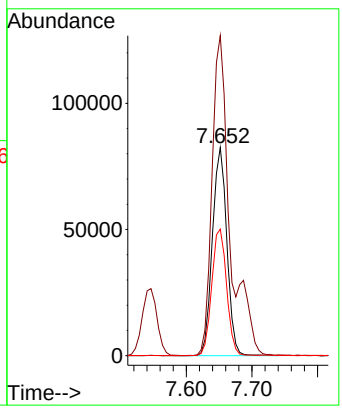


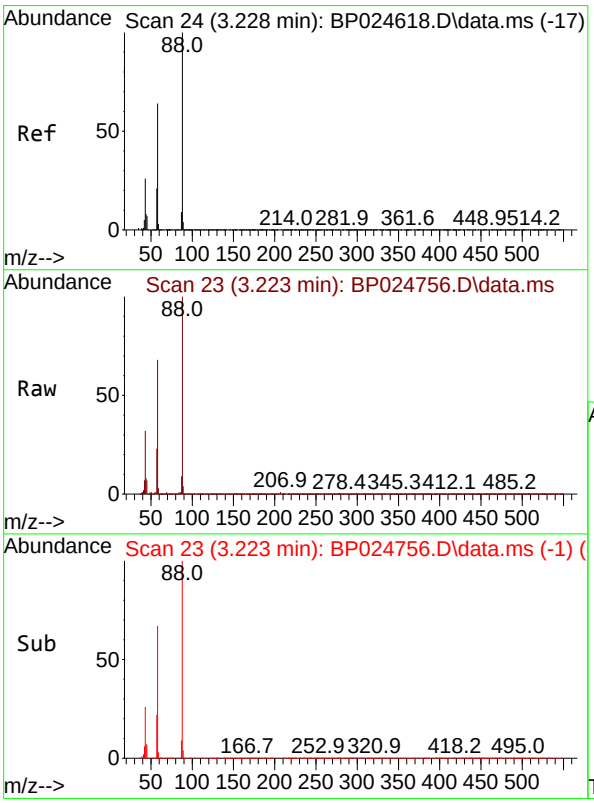
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.652 min Scan# 7
Delta R.T. -0.011 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:152 Resp: 126327

Ion	Ratio	Lower	Upper
152	100		
150	153.7	125.9	188.9
115	60.8	50.1	75.1

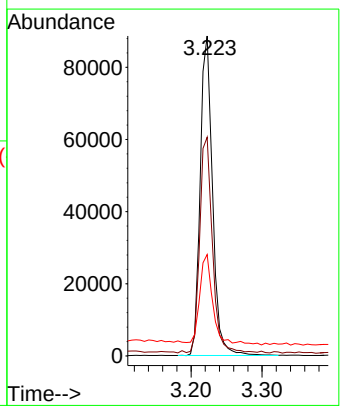


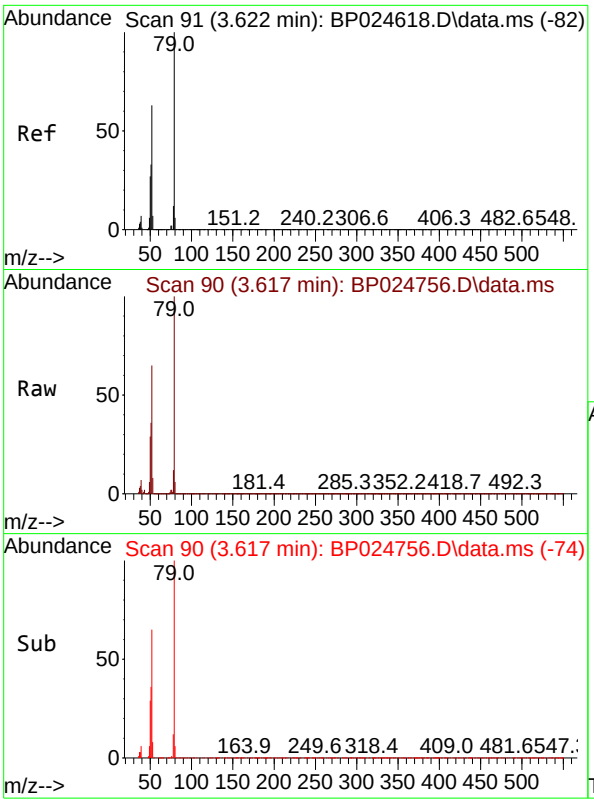


#2
1,4-Dioxane
Concen: 30.935 ng
RT: 3.223 min Scan# 23
Delta R.T. -0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion: 88 Resp: 107291

Ion	Ratio	Lower	Upper
88	100		
58	69.8	54.0	81.0
43	27.1	21.4	32.0



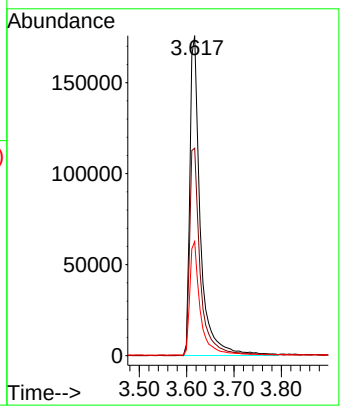


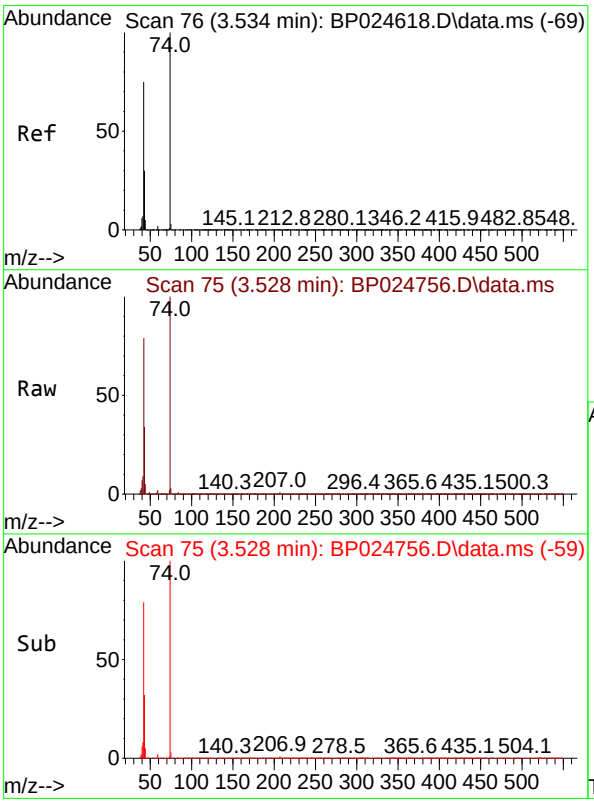
#3
Pyridine
Concen: 35.401 ng
RT: 3.617 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion: 79 Resp: 272244

Ion	Ratio	Lower	Upper
79	100		
52	64.8	50.2	75.2
51	35.7	26.8	40.2

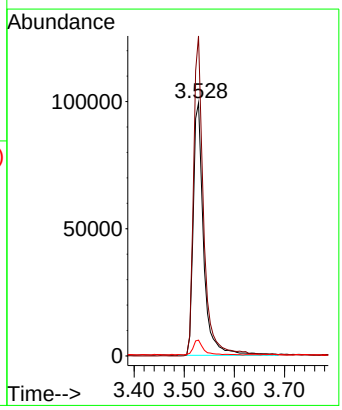


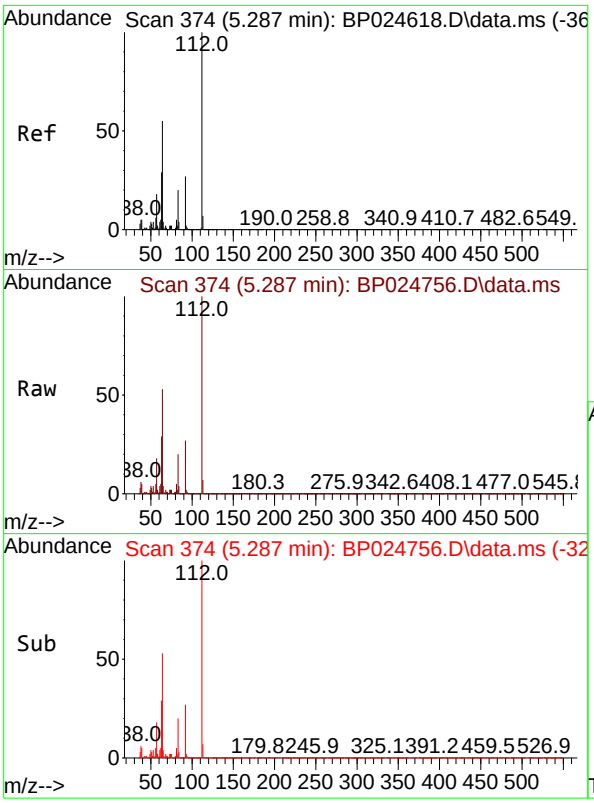


#4
n-Nitrosodimethylamine
Concen: 41.978 ng
RT: 3.528 min Scan# 75
Delta R.T. -0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion: 42 Resp: 142518

Ion	Ratio	Lower	Upper
42	100		
74	126.5	106.2	159.2
44	6.2	5.4	8.2



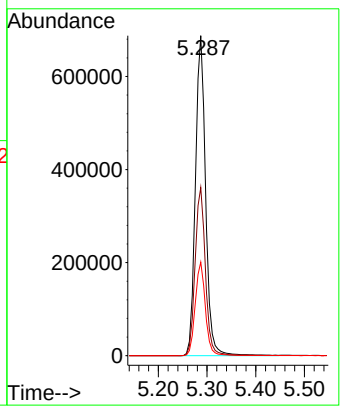


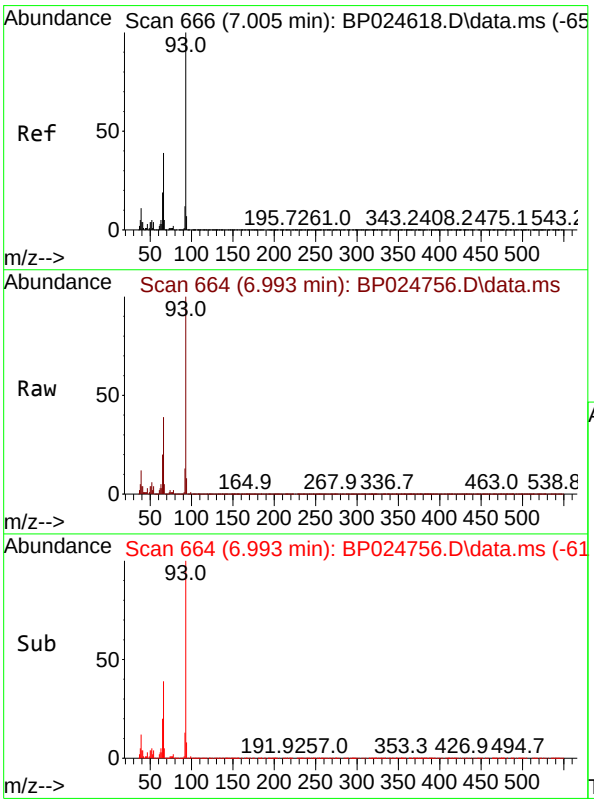
#5
2-Fluorophenol
Concen: 136.339 ng
RT: 5.287 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:112 Resp: 1006990

Ion	Ratio	Lower	Upper
112	100		
64	52.6	44.1	66.1
63	29.2	23.5	35.3

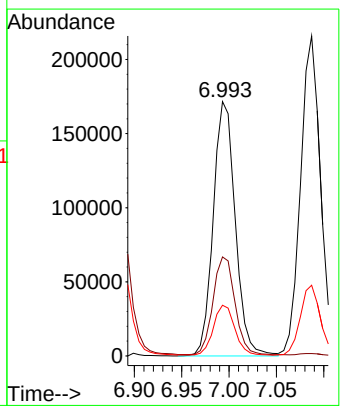


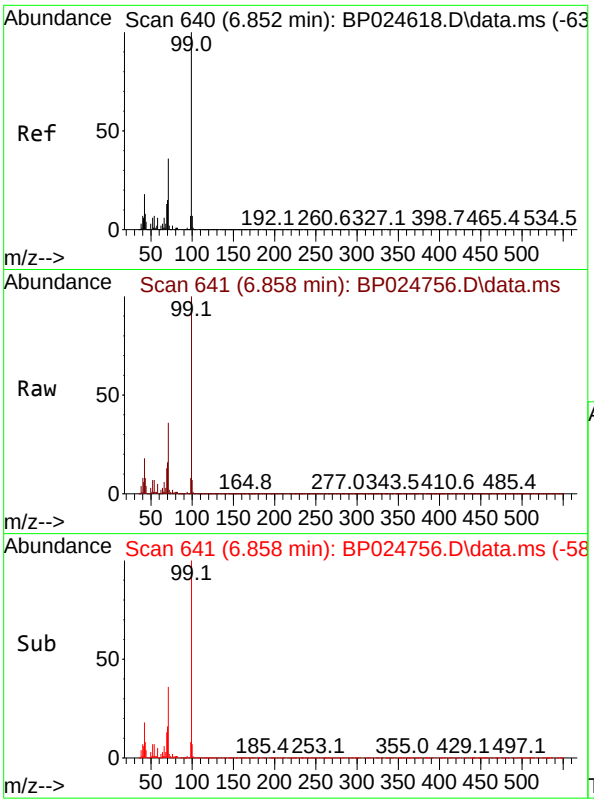


#6
Aniline
Concen: 22.887 ng
RT: 6.993 min Scan# 664
Delta R.T. -0.012 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion: 93 Resp: 278550

Ion	Ratio	Lower	Upper
93	100		
66	38.9	31.0	46.6
65	19.9	15.5	23.3



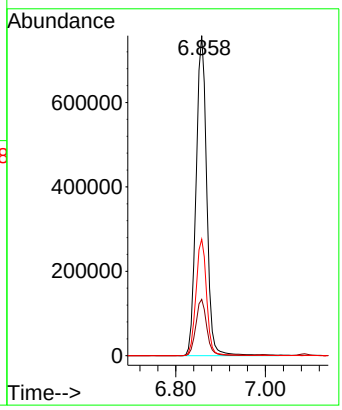


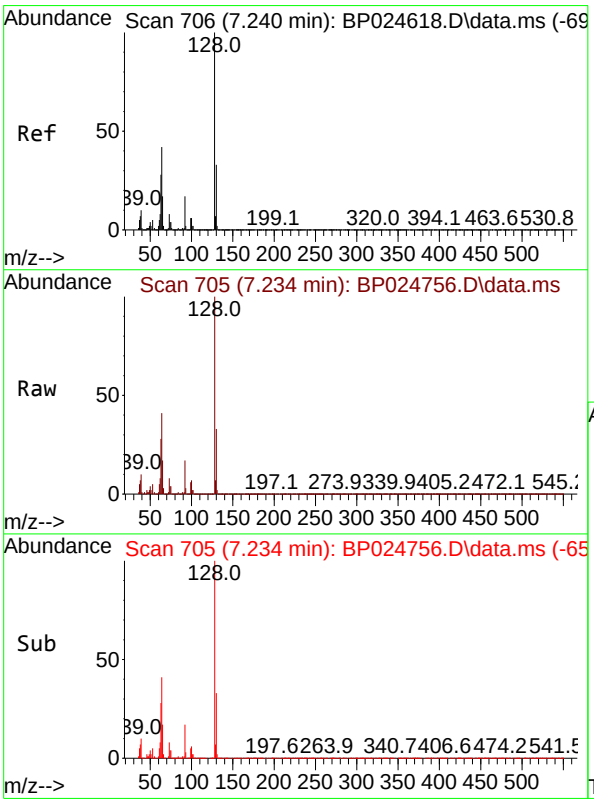
#7
Phenol-d6
Concen: 132.137 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion: 99 Resp: 1245584

Ion	Ratio	Lower	Upper
99	100		
42	17.6	14.4	21.6
71	36.4	29.2	43.8

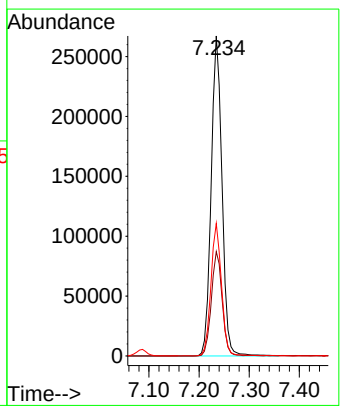


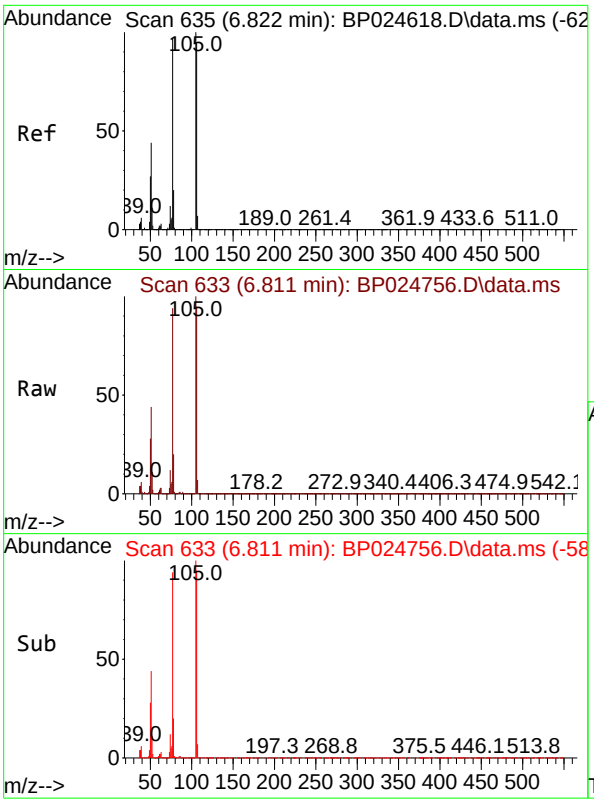


#8
2-Chlorophenol
Concen: 47.747 ng
RT: 7.234 min Scan# 705
Delta R.T. -0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:128 Resp: 400340

Ion	Ratio	Lower	Upper
128	100		
130	32.6	13.0	53.0
64	41.4	22.3	62.3



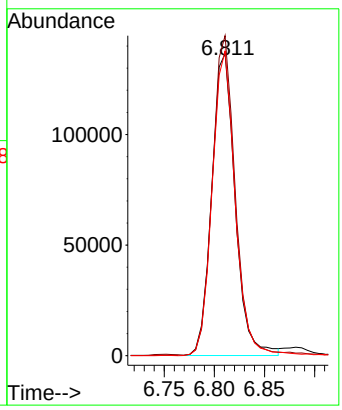


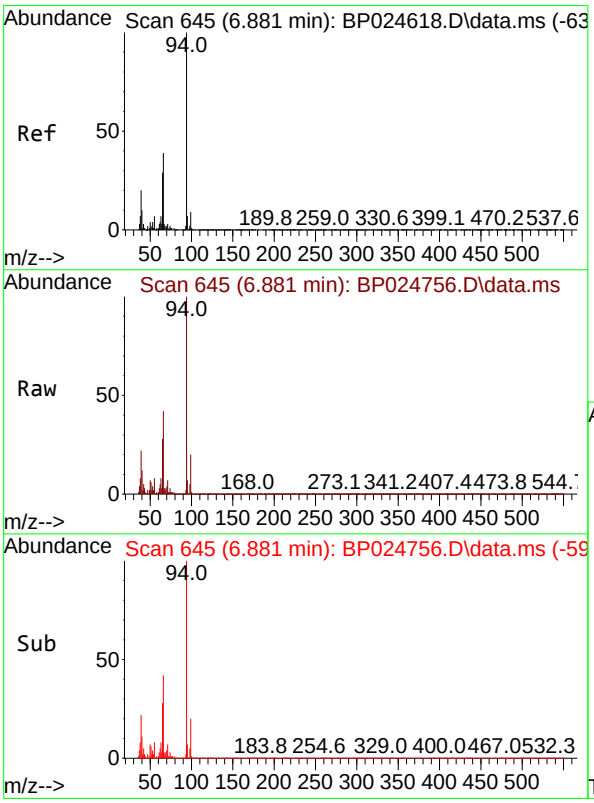
#9
Benzaldehyde
Concen: 36.224 ng
RT: 6.811 min Scan# 6
Delta R.T. -0.012 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion: 77 Resp: 221040

Ion	Ratio	Lower	Upper
77	100		
105	106.0	83.3	123.3
106	100.8	78.0	118.0

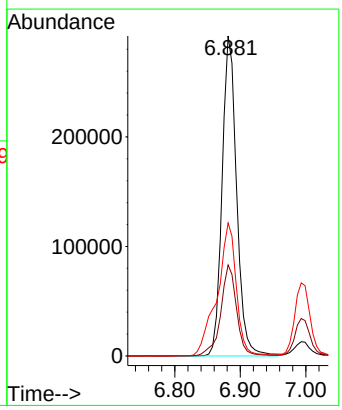


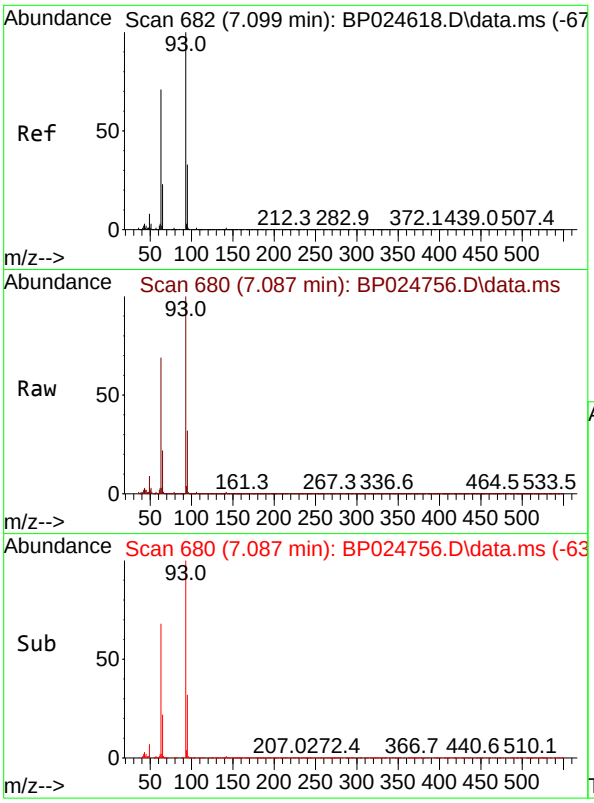


#10
Phenol
Concen: 46.024 ng
RT: 6.881 min Scan# 645
Delta R.T. 0.000 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion: 94 Resp: 447784

Ion	Ratio	Lower	Upper
94	100		
65	28.5	8.7	48.7
66	41.6	19.4	59.4



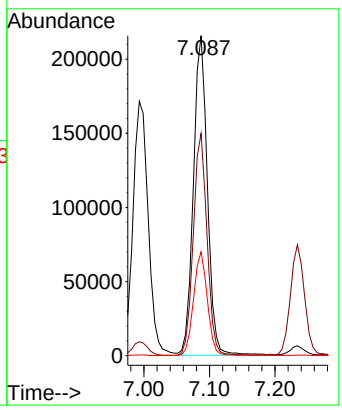


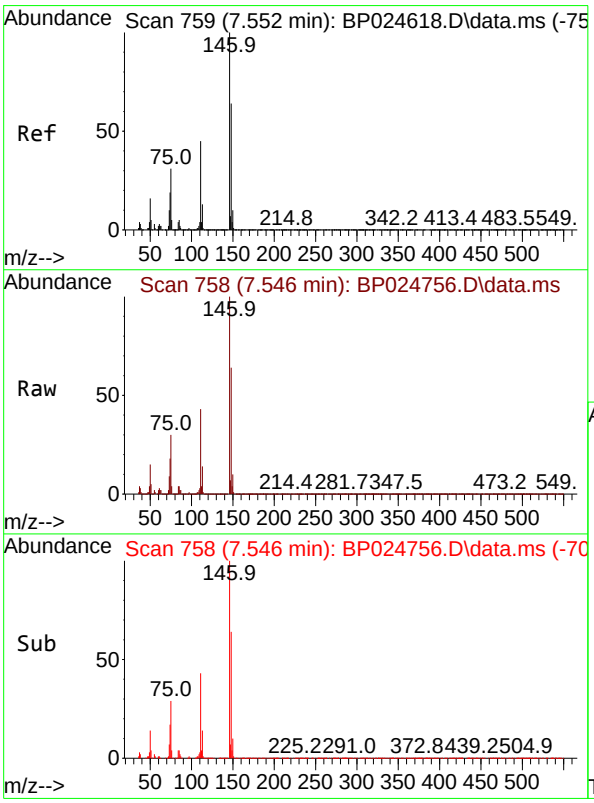
#11
bis(2-Chloroethyl)ether
Concen: 40.196 ng
RT: 7.087 min Scan# 6
Delta R.T. -0.012 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion: 93 Resp: 321348

Ion	Ratio	Lower	Upper
93	100		
63	69.4	50.6	90.6
95	32.4	12.9	52.9

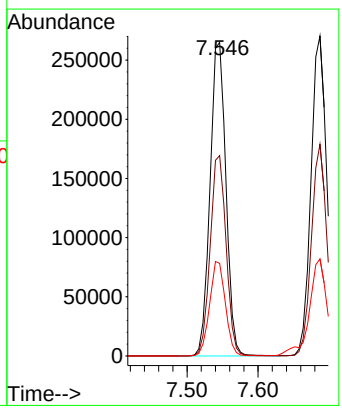


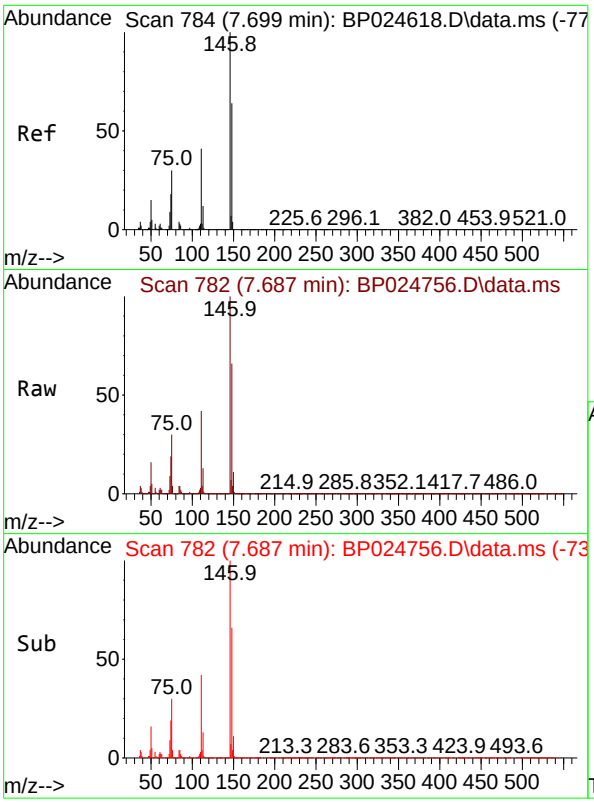


#12
1,3-Dichlorobenzene
Concen: 42.633 ng
RT: 7.546 min Scan# 758
Delta R.T. -0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:146 Resp: 411266

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.4	77.2
75	29.5	25.2	37.8



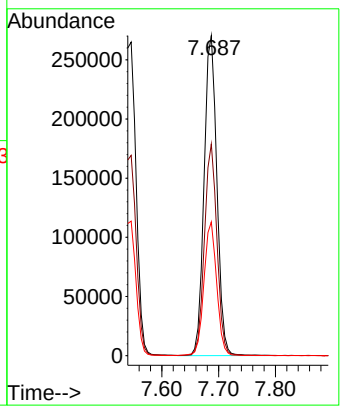


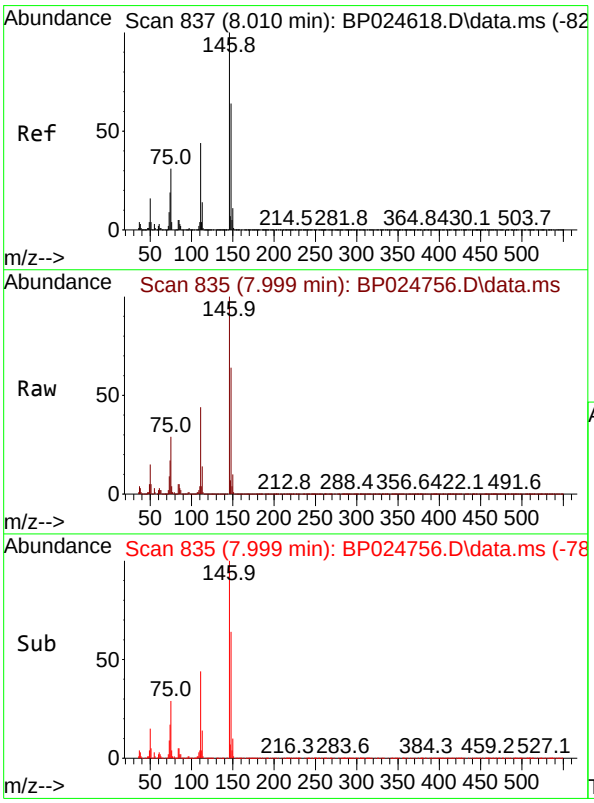
#13
1,4-Dichlorobenzene
Concen: 43.426 ng
RT: 7.687 min Scan# 7
Delta R.T. -0.012 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:146 Resp: 421327

Ion	Ratio	Lower	Upper
146	100		
148	66.1	51.0	76.6
111	41.8	33.0	49.6

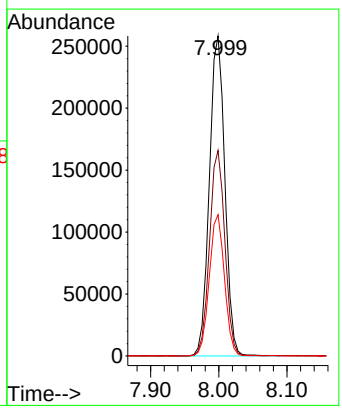


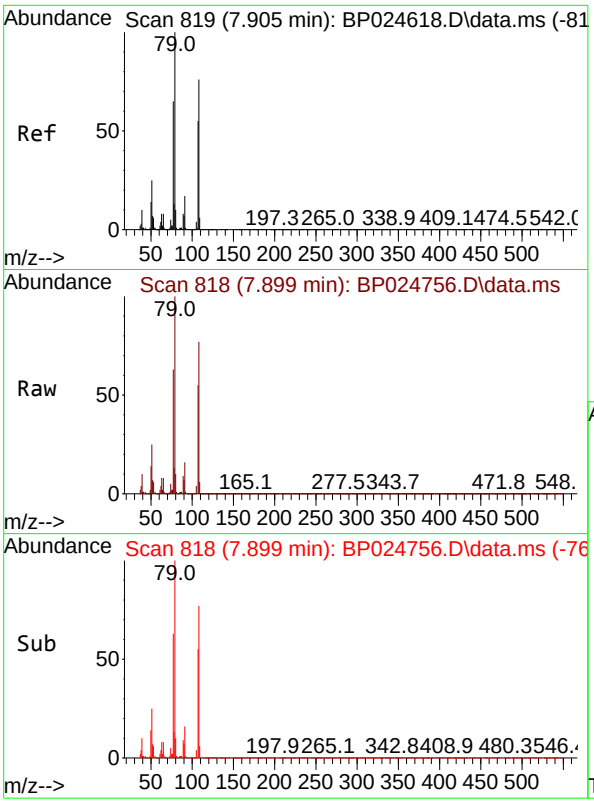


#14
1,2-Dichlorobenzene
Concen: 43.209 ng
RT: 7.999 min Scan# 835
Delta R.T. -0.012 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:146 Resp: 408503

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.0	76.4
111	44.2	35.2	52.8



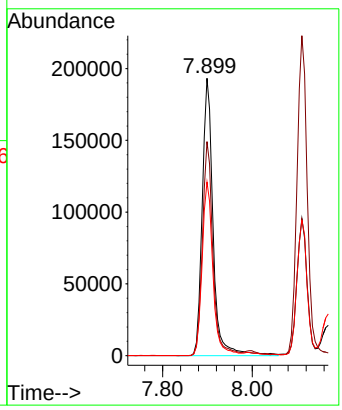


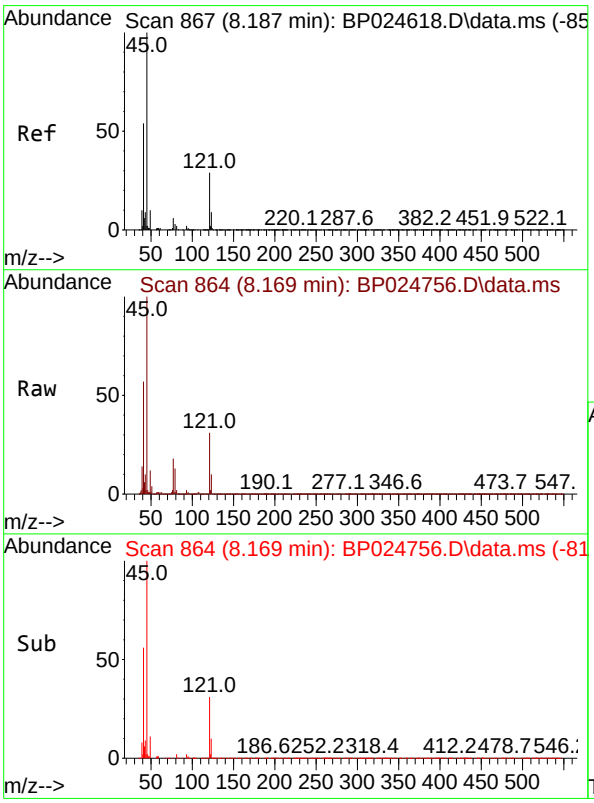
#15
Benzyl Alcohol
Concen: 45.463 ng
RT: 7.899 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion: 79 Resp: 325668

Ion	Ratio	Lower	Upper
79	100		
108	77.2	60.8	91.2
77	62.6	51.9	77.9

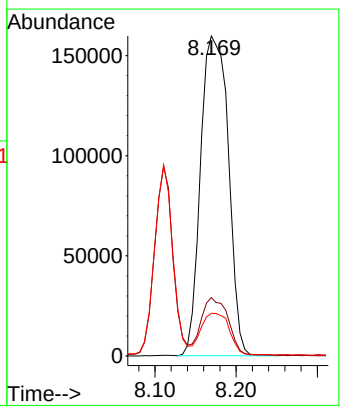


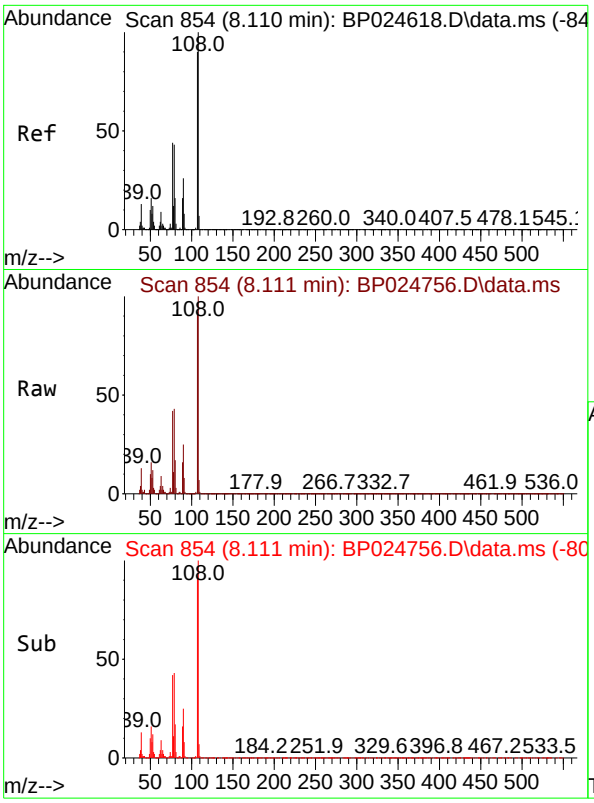


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.632 ng
RT: 8.169 min Scan# 864
Delta R.T. -0.017 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion: 45 Resp: 379444

Ion	Ratio	Lower	Upper
45	100		
77	18.2	0.0	37.7
79	13.3	0.0	34.0



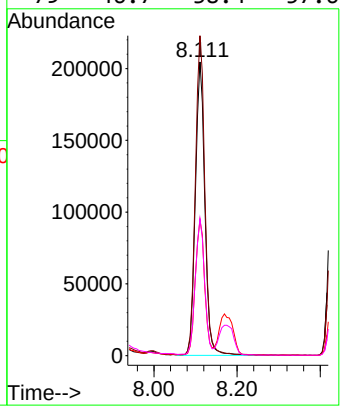


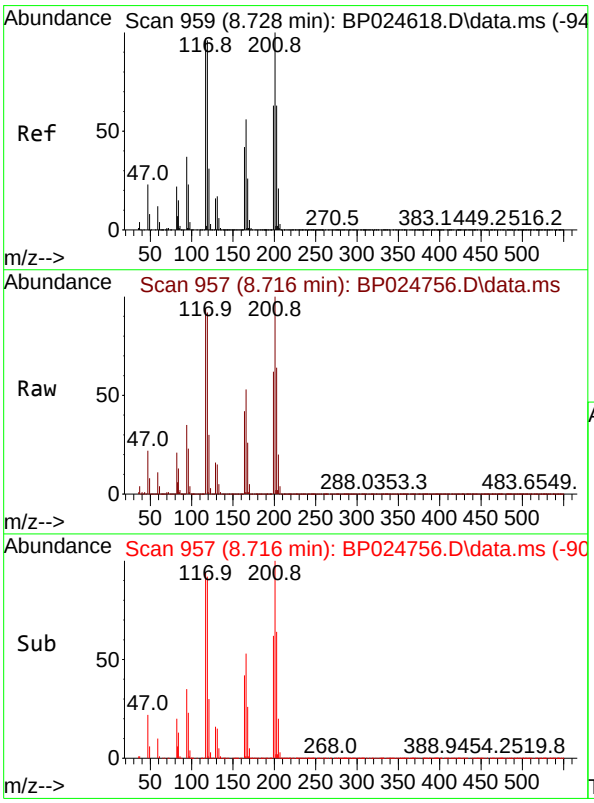
#17
2-Methylphenol
Concen: 46.447 ng
RT: 8.111 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:107 Resp: 324116

Ion	Ratio	Lower	Upper
107	100		
108	108.9	88.9	133.3
77	46.2	39.0	58.6
79	46.7	38.4	57.6

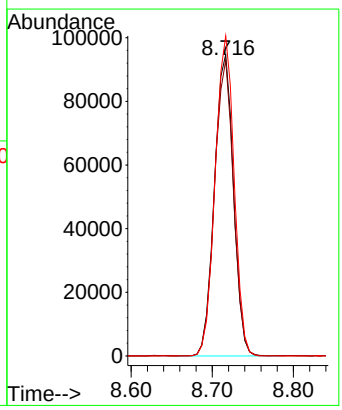


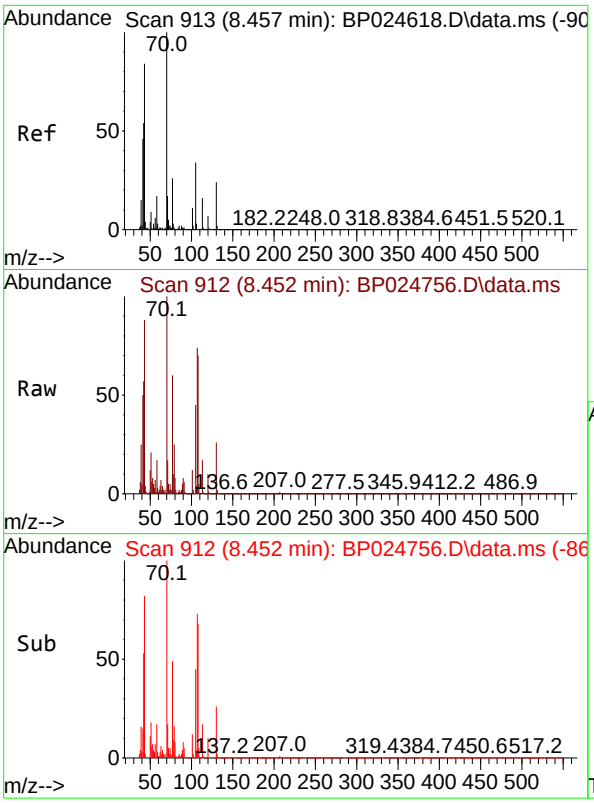


#18
Hexachloroethane
Concen: 41.631 ng
RT: 8.716 min Scan# 957
Delta R.T. -0.012 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:117 Resp: 154783

Ion	Ratio	Lower	Upper
117	100		
119	98.1	79.4	119.0
201	106.1	82.7	124.1



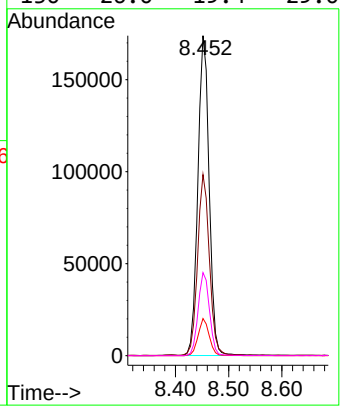


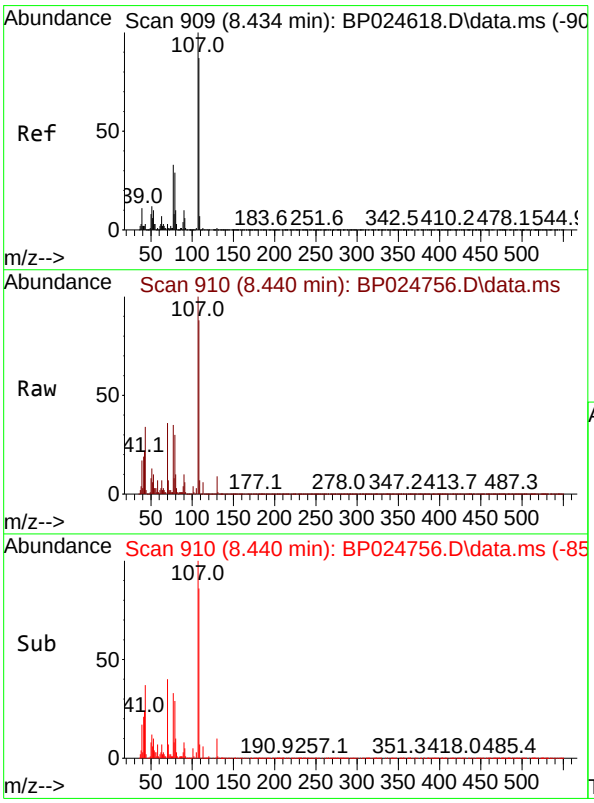
#19
n-Nitroso-di-n-propylamine
Concen: 39.085 ng
RT: 8.452 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion: 70 Resp: 254858

Ion	Ratio	Lower	Upper
70	100		
42	56.6	43.0	64.6
101	11.6	8.7	13.1
130	26.0	19.4	29.0

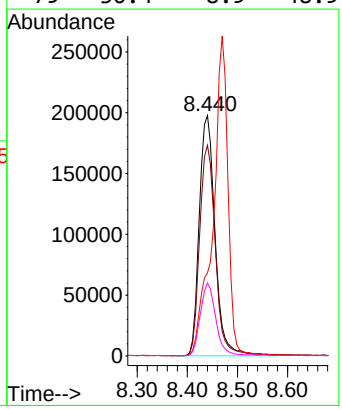


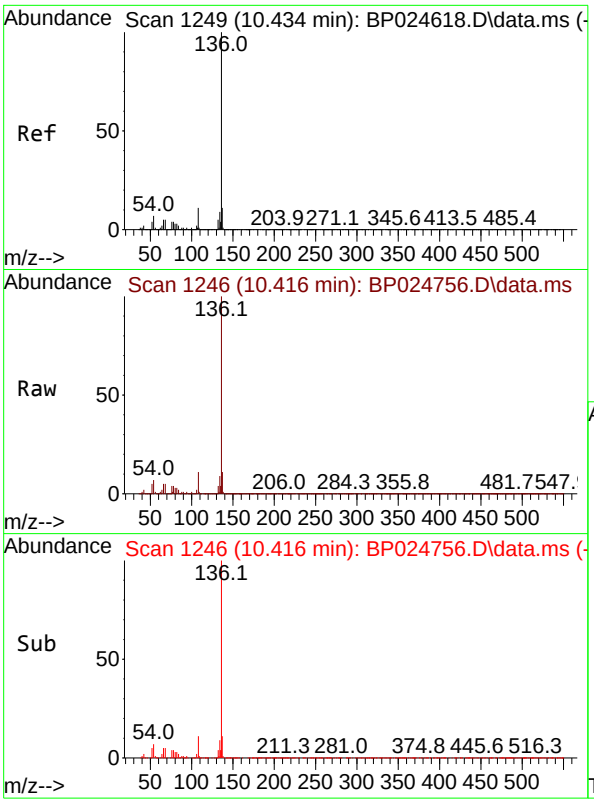


#20
3+4-Methylphenols
Concen: 45.474 ng
RT: 8.440 min Scan# 910
Delta R.T. 0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:107 Resp: 431650

Ion	Ratio	Lower	Upper
107	100		
108	87.6	66.7	106.7
77	34.6	13.1	53.1
79	30.4	8.9	48.9



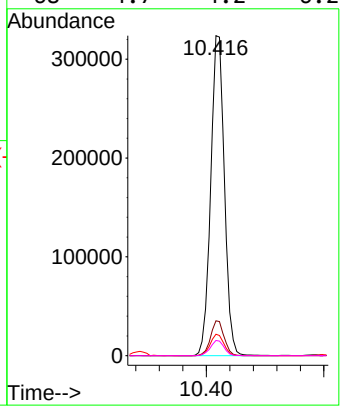


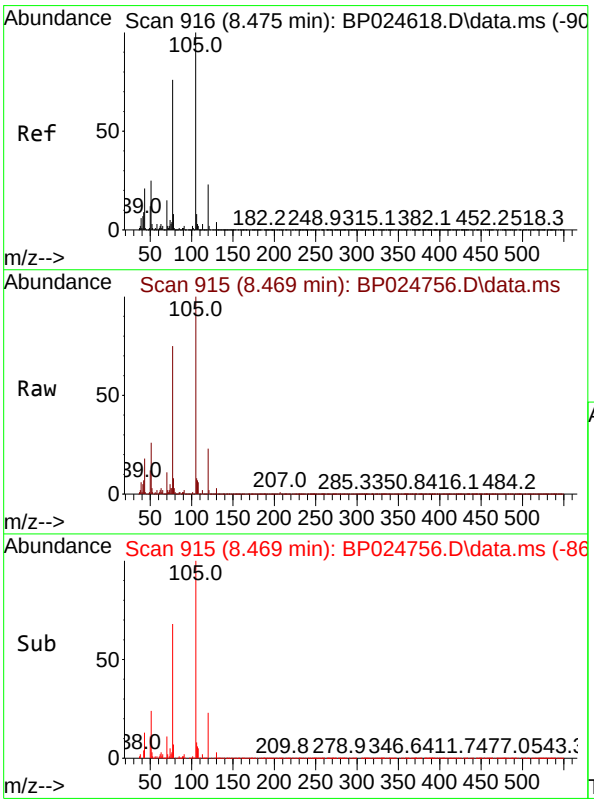
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.416 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:136 Resp: 523024

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.7	5.5	8.3
68	4.7	4.2	6.2

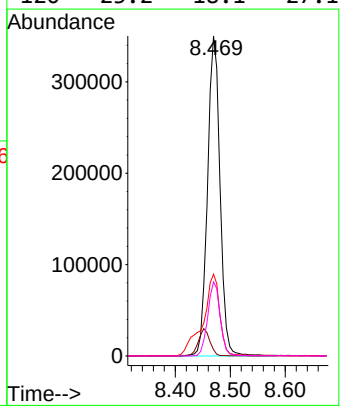


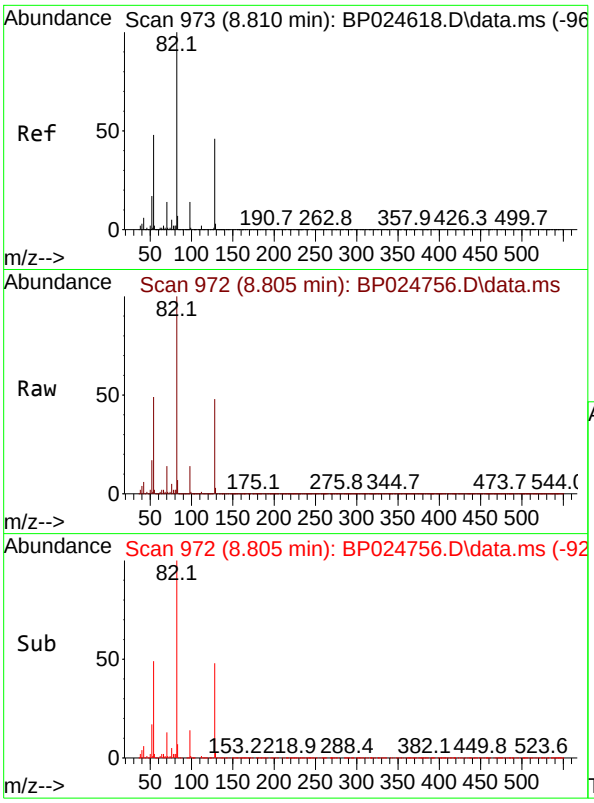


#22
Acetophenone
Concen: 42.336 ng
RT: 8.469 min Scan# 915
Delta R.T. -0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:105 Resp: 553115

Ion	Ratio	Lower	Upper
105	100		
71	1.9	2.0	3.0#
51	25.6	20.4	30.6
120	23.2	18.1	27.1



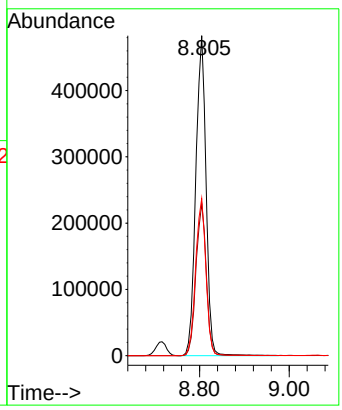


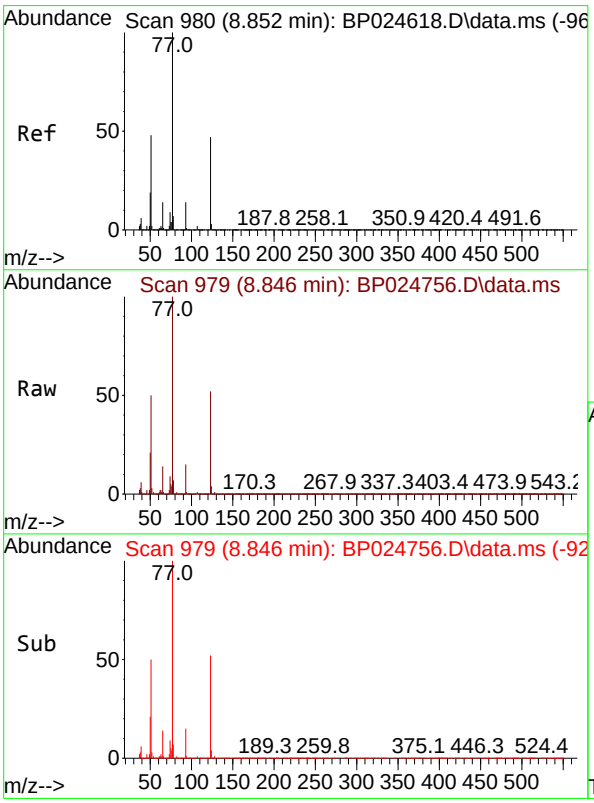
#23
Nitrobenzene-d5
Concen: 73.883 ng
RT: 8.805 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion: 82 Resp: 764802

Ion	Ratio	Lower	Upper
82	100		
128	47.6	37.0	55.4
54	49.1	38.7	58.1

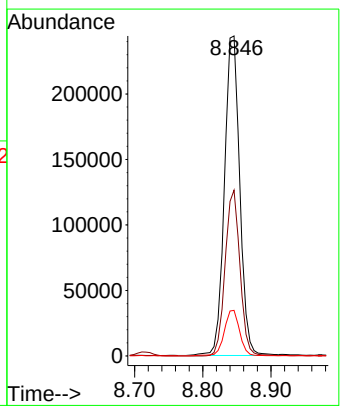


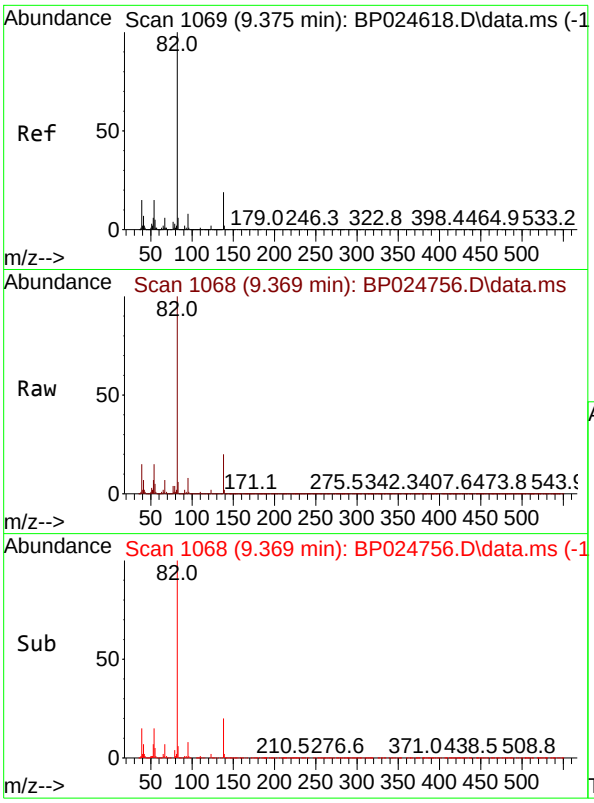


#24
Nitrobenzene
Concen: 41.971 ng
RT: 8.846 min Scan# 979
Delta R.T. -0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion: 77 Resp: 382330

Ion	Ratio	Lower	Upper
77	100		
123	51.8	37.4	56.0
65	14.2	11.3	16.9



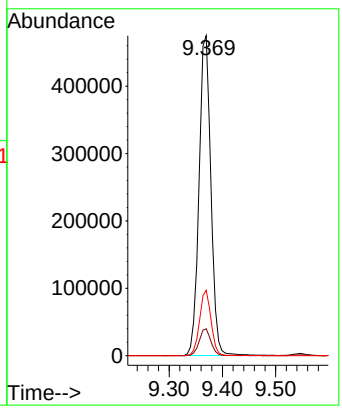


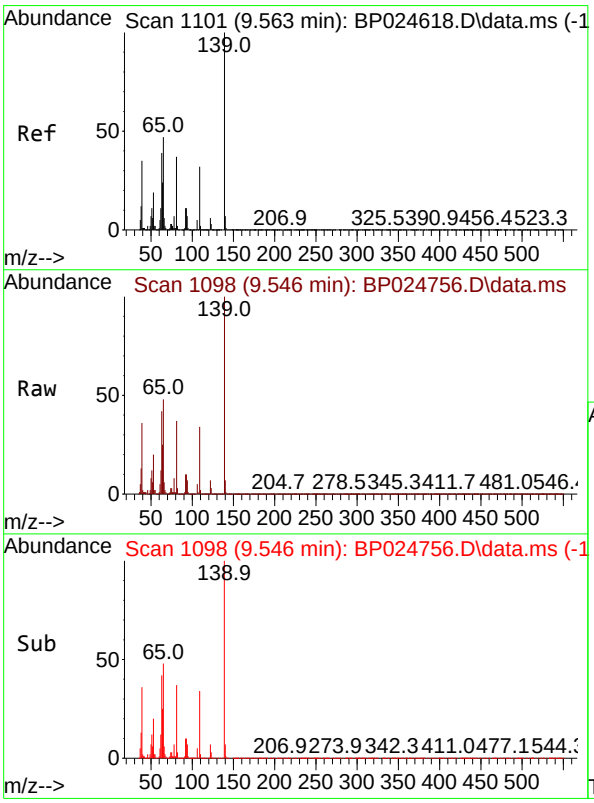
#25
Isophorone
Concen: 40.802 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion: 82 Resp: 732635

Ion	Ratio	Lower	Upper
82	100		
95	8.4	6.3	9.5
138	20.4	15.3	22.9

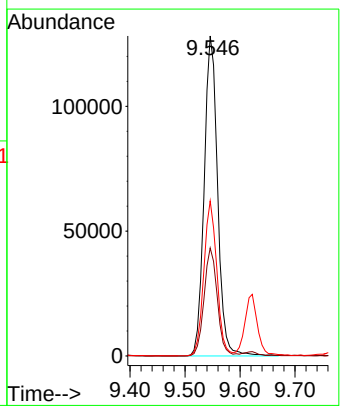


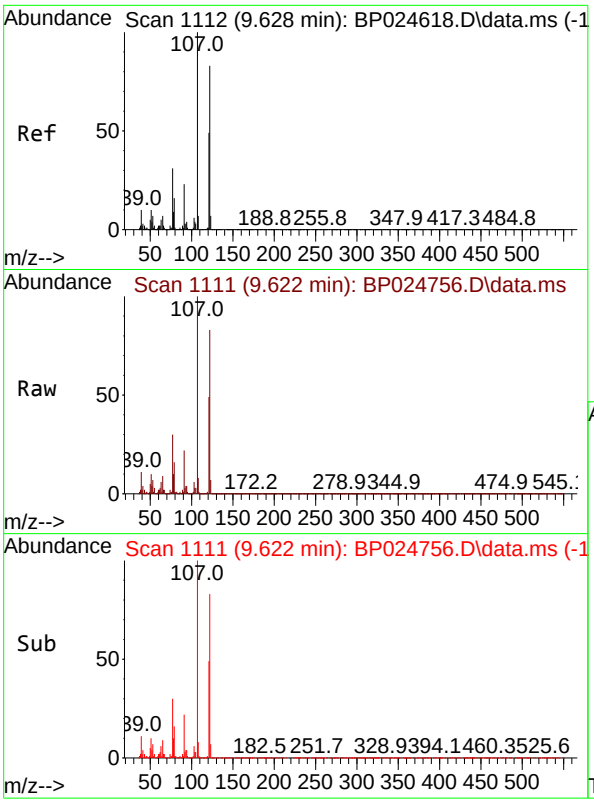


#26
2-Nitrophenol
Concen: 48.847 ng
RT: 9.546 min Scan# 1098
Delta R.T. -0.017 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:139 Resp: 218042

Ion	Ratio	Lower	Upper
139	100		
109	33.8	25.9	38.9
65	48.4	37.9	56.9



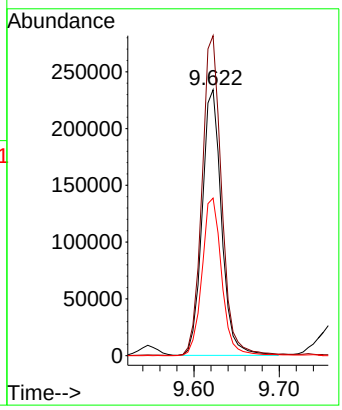


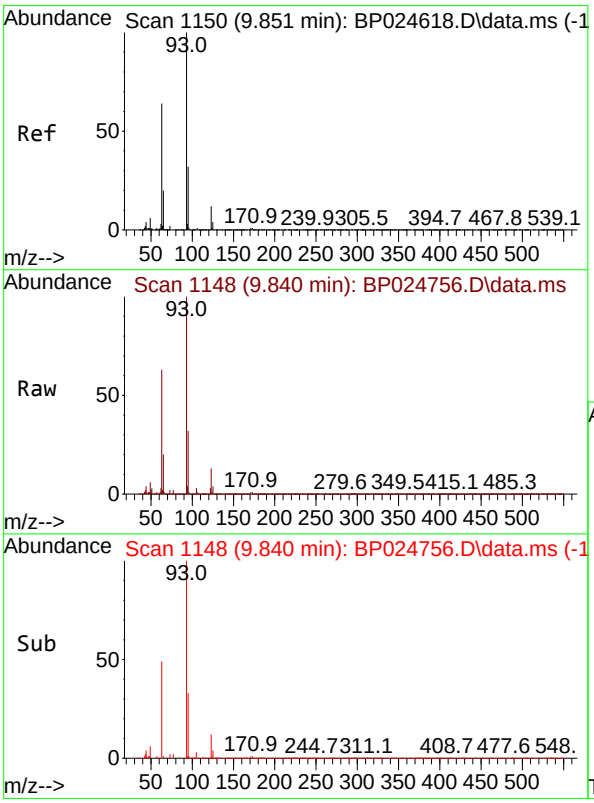
#27
2,4-Dimethylphenol
Concen: 46.925 ng
RT: 9.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:122 Resp: 369301

Ion	Ratio	Lower	Upper
122	100		
107	120.3	96.2	144.2
121	59.3	47.6	71.4

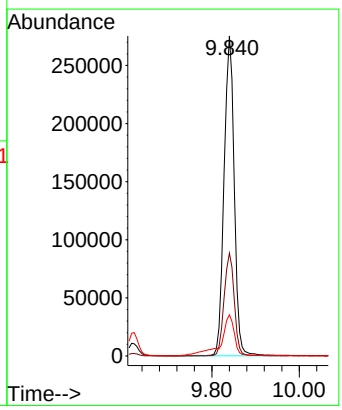


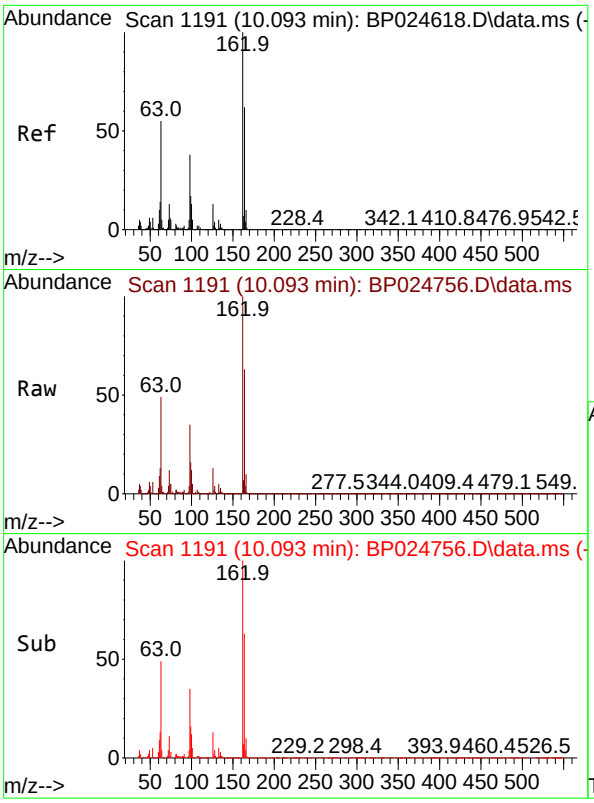


#28
bis(2-Chloroethoxy)methane
Concen: 41.185 ng
RT: 9.840 min Scan# 1148
Delta R.T. -0.012 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion: 93 Resp: 441817

Ion	Ratio	Lower	Upper
93	100		
95	32.1	25.5	38.3
123	12.9	9.7	14.5



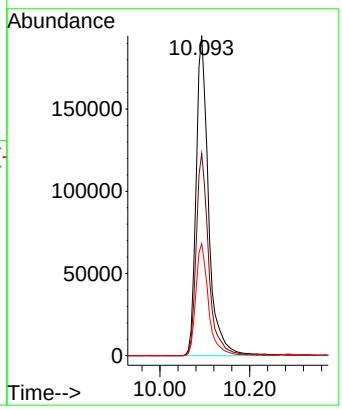


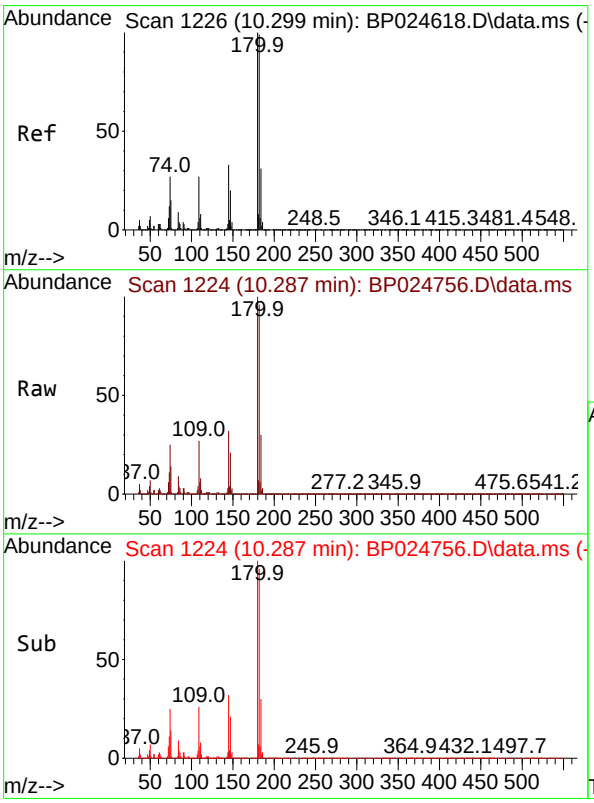
#29
2,4-Dichlorophenol
Concen: 49.198 ng
RT: 10.093 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:162 Resp: 375212

Ion	Ratio	Lower	Upper
162	100		
164	63.2	42.3	82.3
98	35.0	18.4	58.4

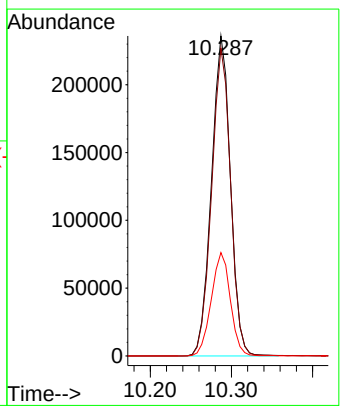


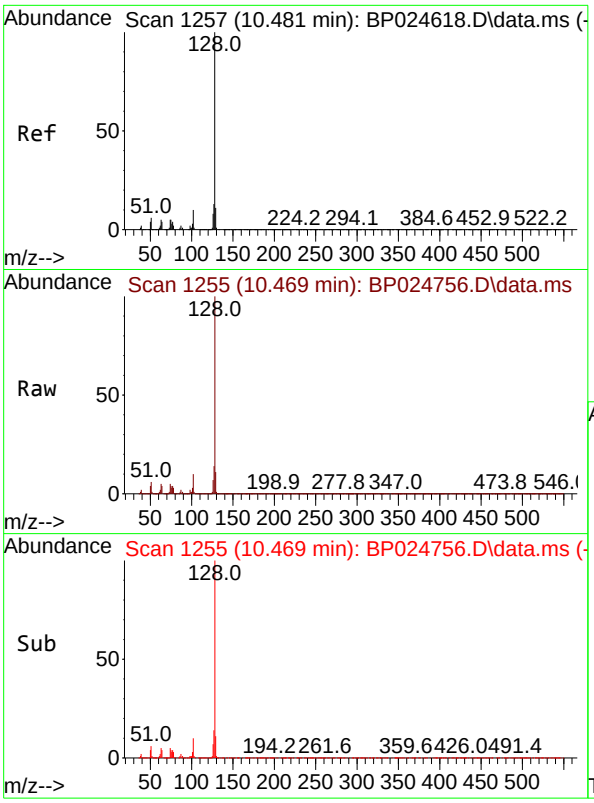


#30
1,2,4-Trichlorobenzene
Concen: 44.659 ng
RT: 10.287 min Scan# 1224
Delta R.T. -0.012 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:180 Resp: 383813

Ion	Ratio	Lower	Upper
180	100		
182	96.2	79.0	118.4
145	32.3	26.6	39.8



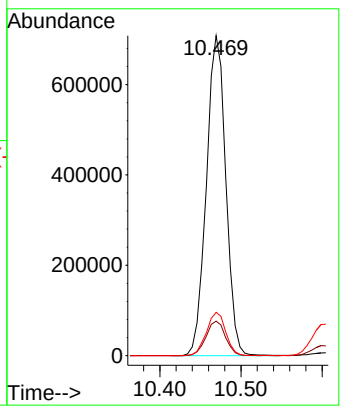


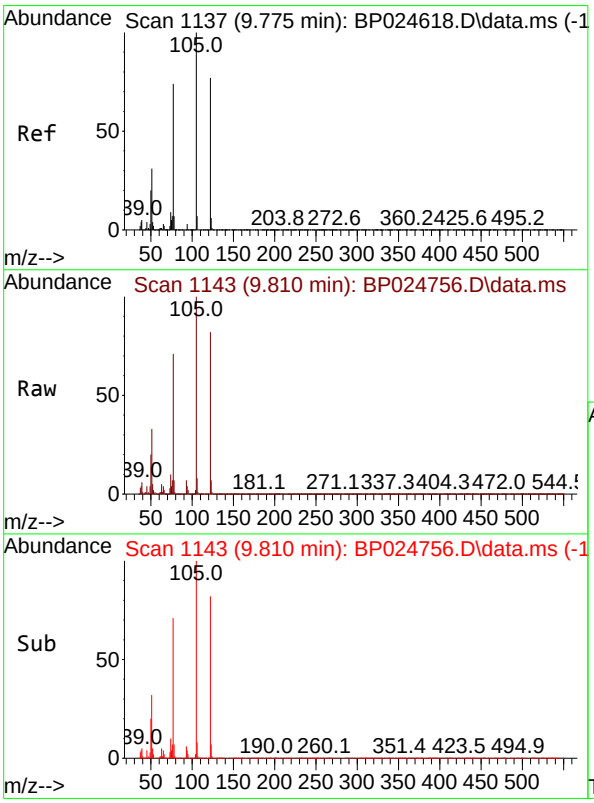
#31
Naphthalene
Concen: 43.406 ng
RT: 10.469 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:128 Resp: 1176453

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.6	10.7	16.1

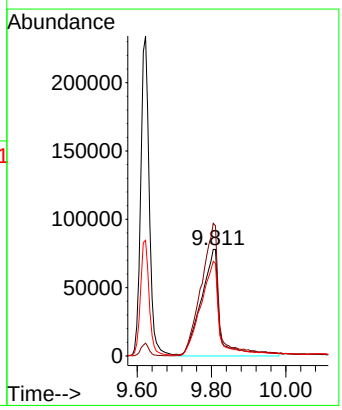


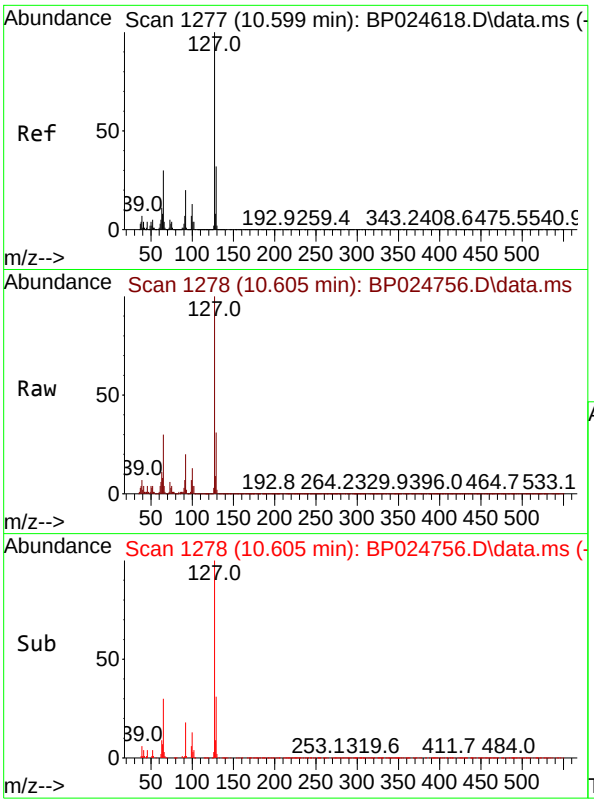


#32
Benzoic acid
Concen: 49.215 ng m
RT: 9.810 min Scan# 1143
Delta R.T. 0.035 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:122 Resp: 270871

Ion	Ratio	Lower	Upper
122	100		
105	122.2	106.9	146.9
77	86.9	75.1	115.1



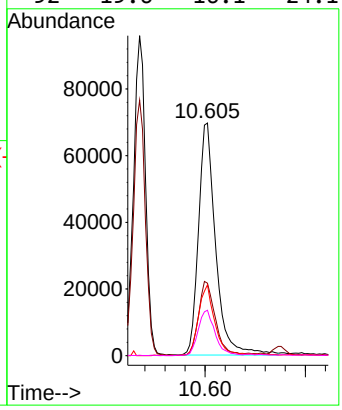


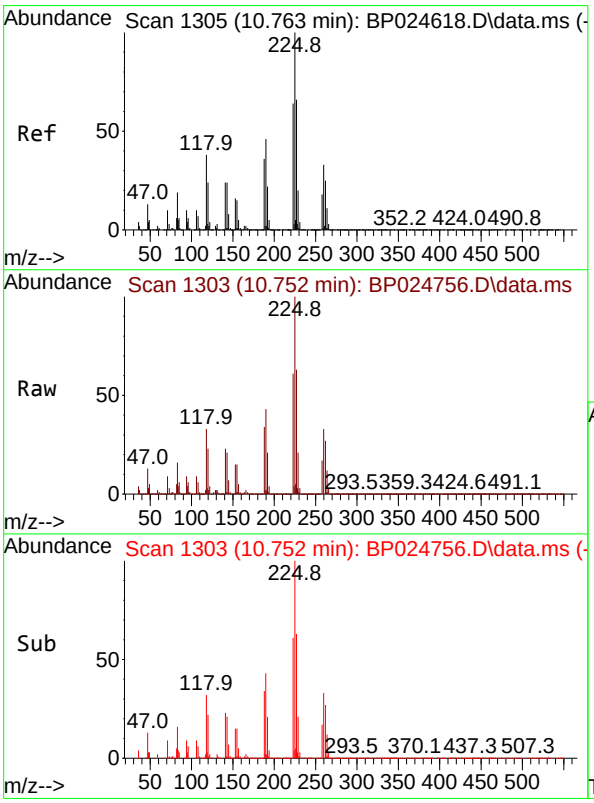
#33
4-Chloroaniline
Concen: 15.170 ng
RT: 10.605 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:127 Resp: 165916

Ion	Ratio	Lower	Upper
127	100		
129	31.2	25.8	38.6
65	30.5	23.9	35.9
92	19.6	16.1	24.1

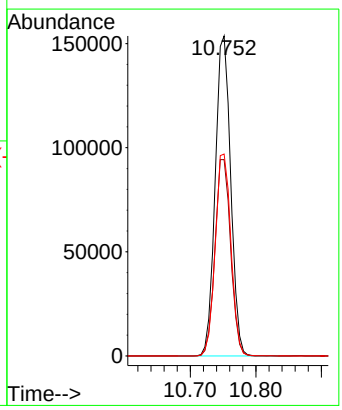


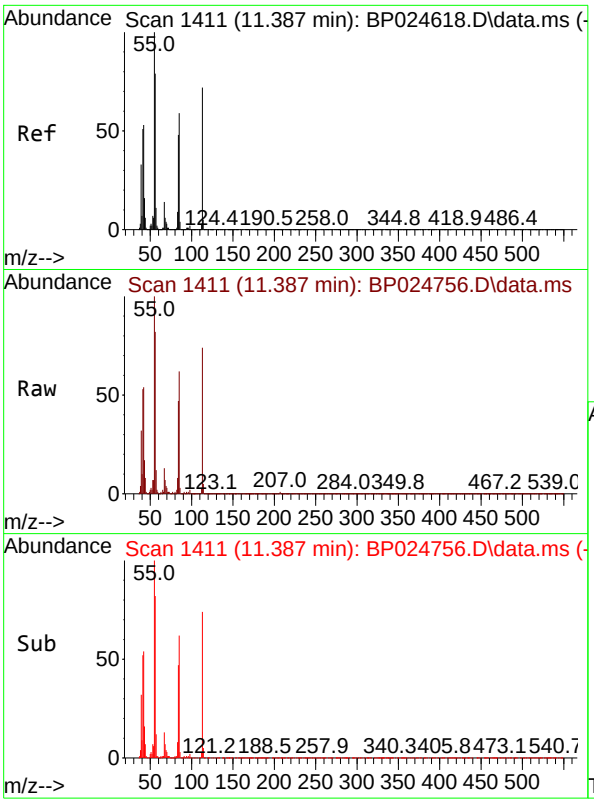


#34
Hexachlorobutadiene
Concen: 45.021 ng
RT: 10.752 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:225 Resp: 250650

Ion	Ratio	Lower	Upper
225	100		
223	61.4	51.0	76.6
227	63.1	53.1	79.7



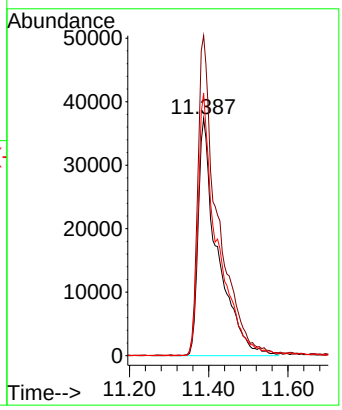


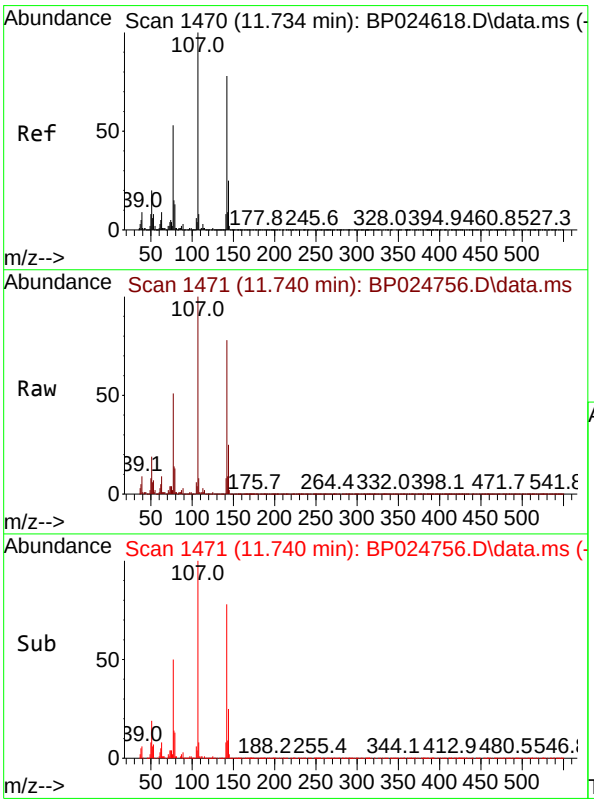
#35
Caprolactam
Concen: 45.756 ng
RT: 11.387 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:113 Resp: 126254

Ion	Ratio	Lower	Upper
113	100		
55	134.9	119.0	159.0
56	110.6	90.3	130.3

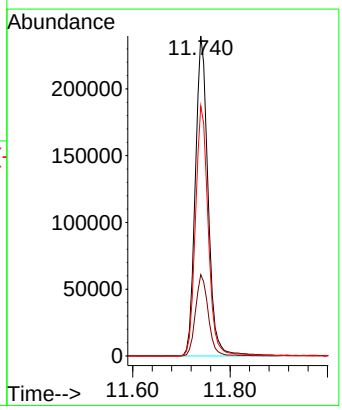


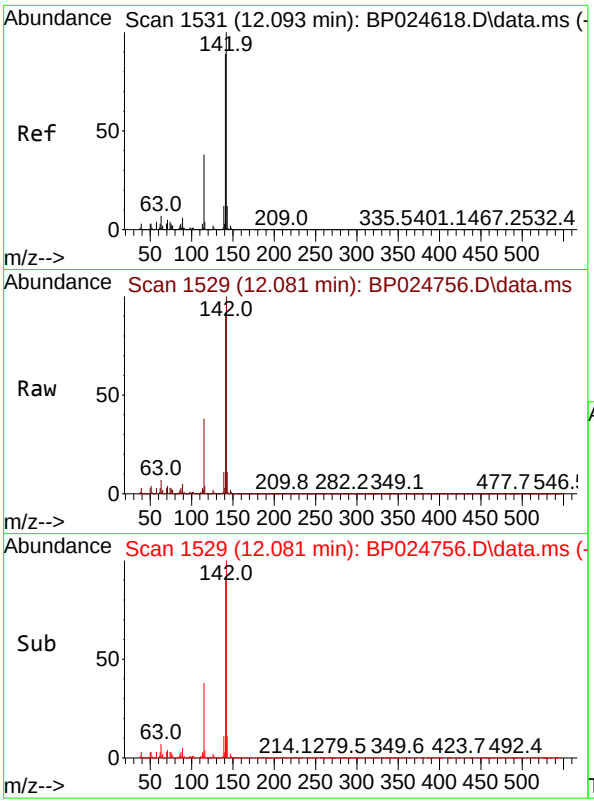


#36
4-Chloro-3-methylphenol
Concen: 46.951 ng
RT: 11.740 min Scan# 1471
Delta R.T. 0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:107 Resp: 436668

Ion	Ratio	Lower	Upper
107	100		
144	25.4	20.1	30.1
142	78.2	62.1	93.1



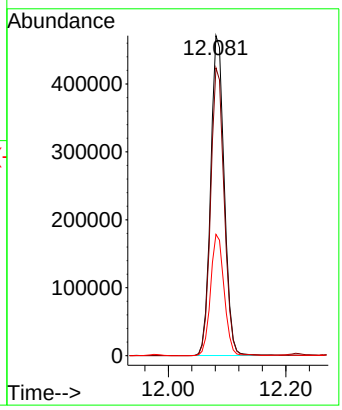


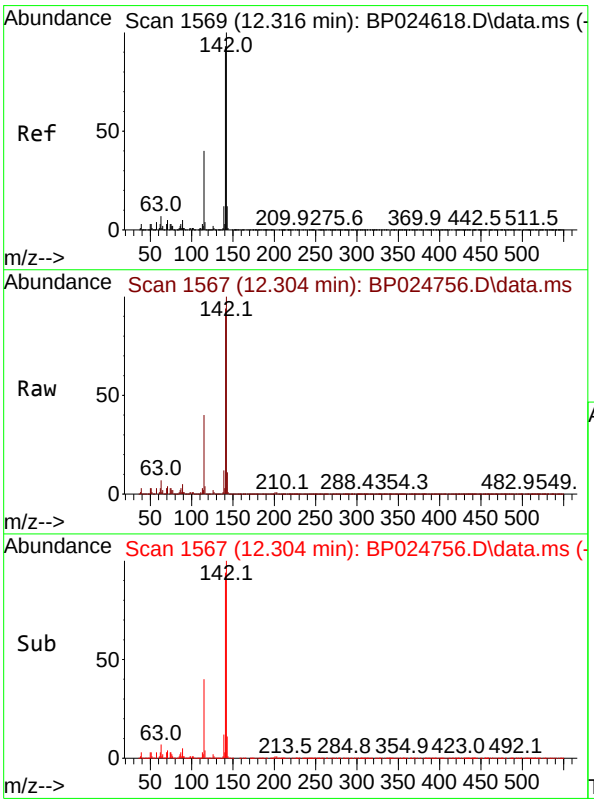
#37
2-Methylnaphthalene
Concen: 42.956 ng
RT: 12.081 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:142 Resp: 753865

Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.2	106.8
115	37.9	30.6	46.0

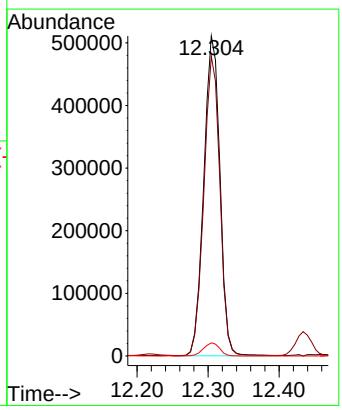


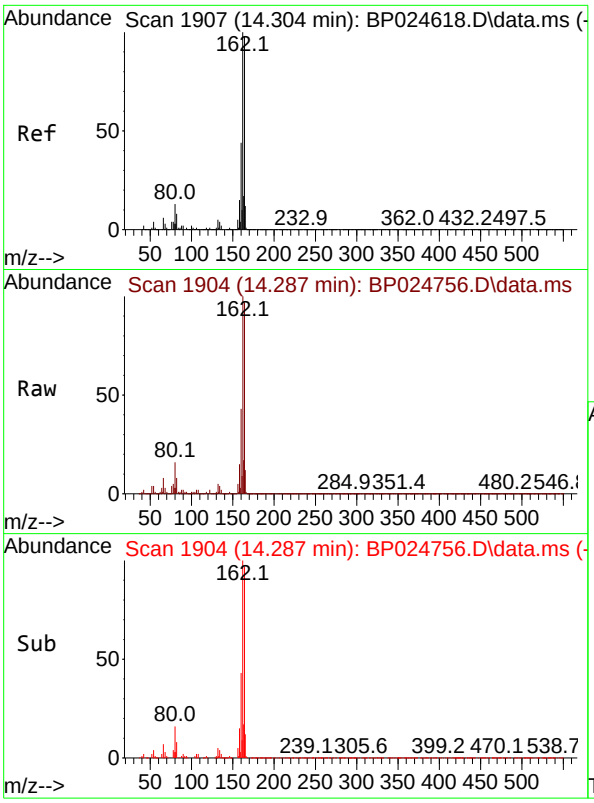


#38
1-Methylnaphthalene
Concen: 42.981 ng
RT: 12.304 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:142 Resp: 807085

Ion	Ratio	Lower	Upper
142	100		
141	93.6	74.7	112.1
116	4.1	3.4	5.2



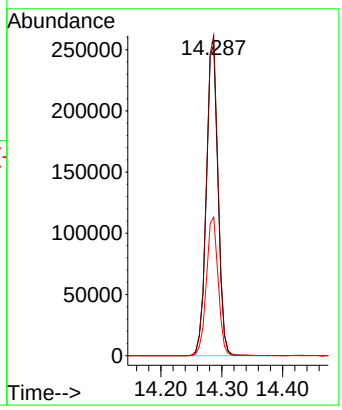


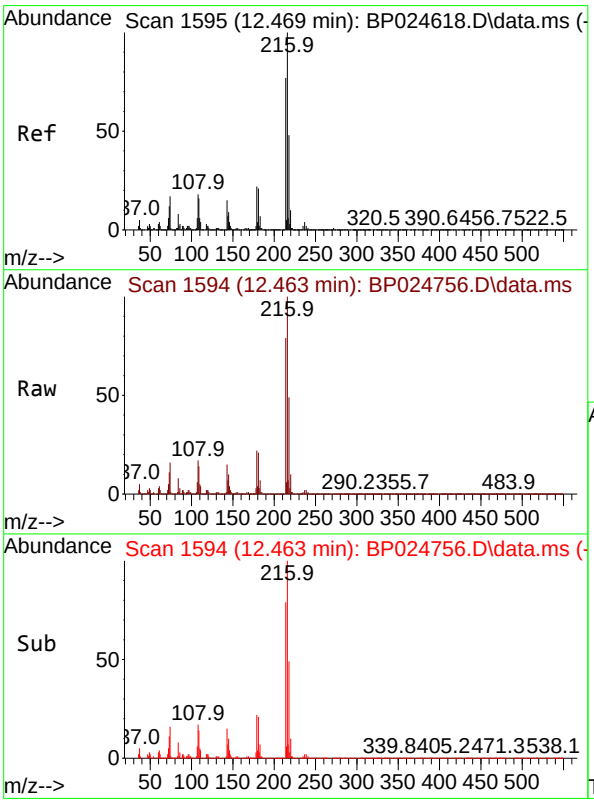
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.287 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:164 Resp: 338733

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

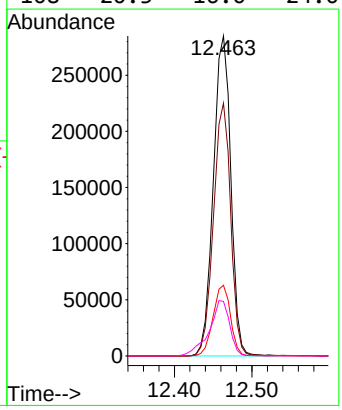


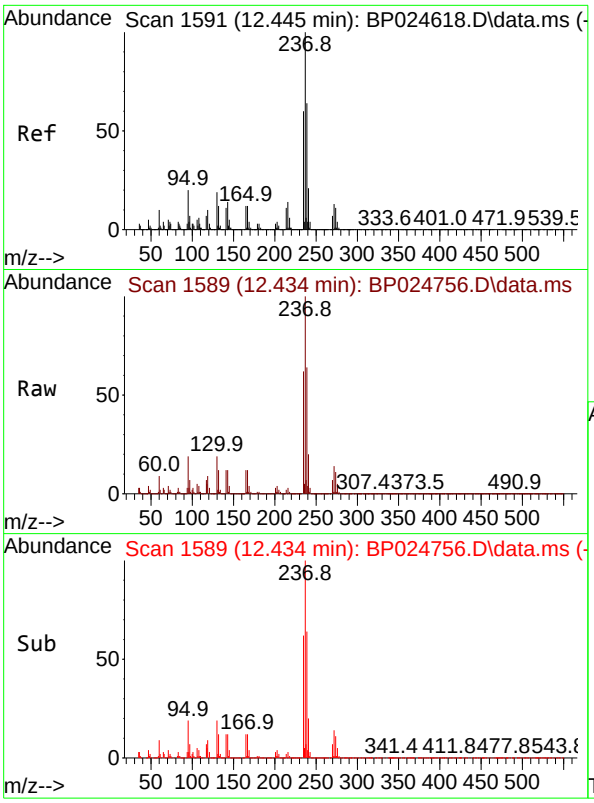


#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.345 ng
RT: 12.463 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:216 Resp: 446029

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.3	93.5
179	22.1	17.7	26.5
108	20.3	16.0	24.0



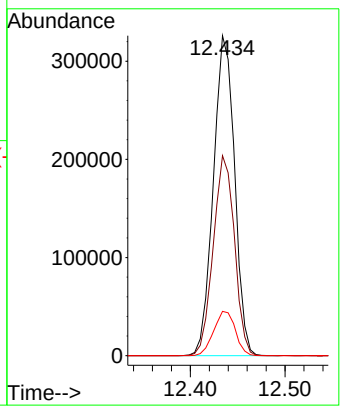


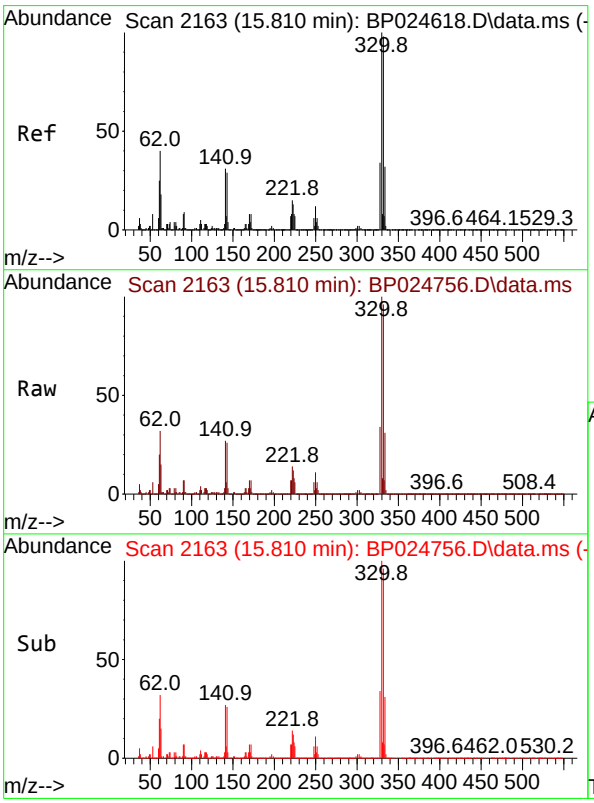
#41
Hexachlorocyclopentadiene
Concen: 85.162 ng
RT: 12.434 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:237 Resp: 507943

Ion	Ratio	Lower	Upper
237	100		
235	62.5	39.9	79.9
272	13.9	0.0	33.2

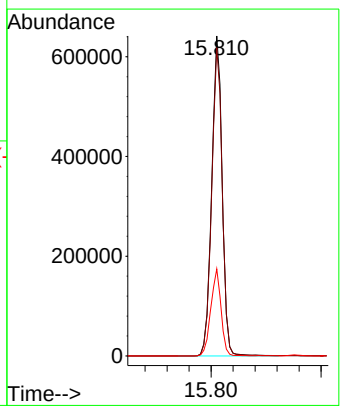


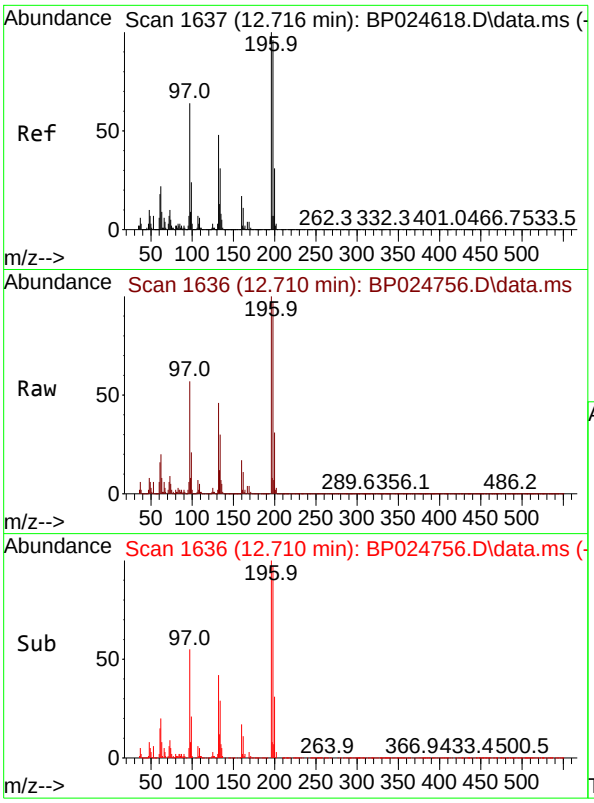


#42
2,4,6-Tribromophenol
Concen: 147.685 ng
RT: 15.810 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:330 Resp: 848083

Ion	Ratio	Lower	Upper
330	100		
332	97.1	78.2	117.4
141	26.7	24.3	36.5



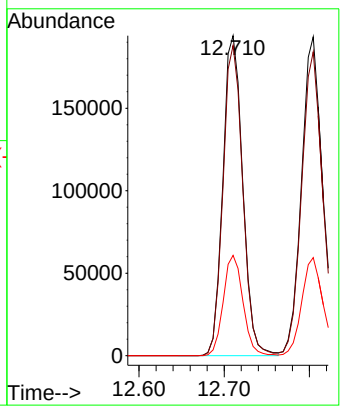


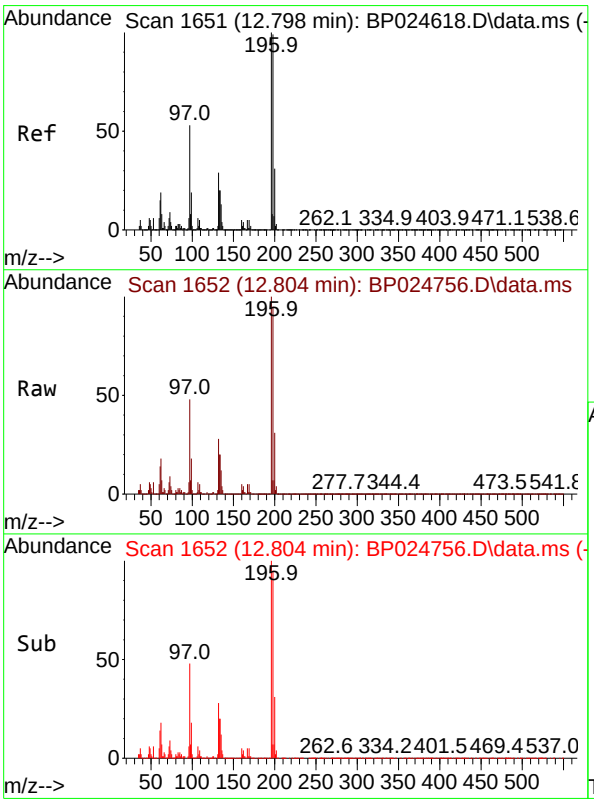
#43
2,4,6-Trichlorophenol
Concen: 49.357 ng
RT: 12.710 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:196 Resp: 314461

Ion	Ratio	Lower	Upper
196	100		
198	96.9	76.9	115.3
200	31.4	25.2	37.8

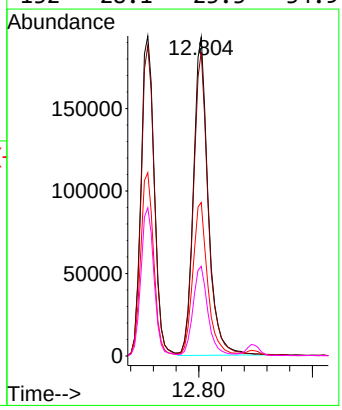


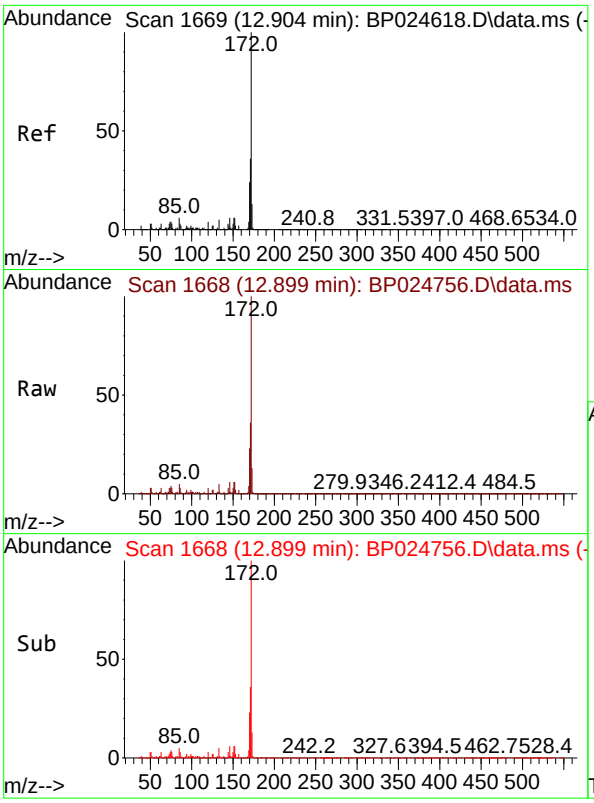


#44
2,4,5-Trichlorophenol
Concen: 49.247 ng
RT: 12.804 min Scan# 1652
Delta R.T. 0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:196 Resp: 349258

Ion	Ratio	Lower	Upper
196	100		
198	95.3	79.2	118.8
97	48.1	42.3	63.5
132	28.1	23.3	34.9



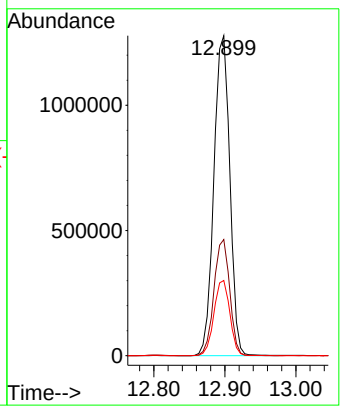


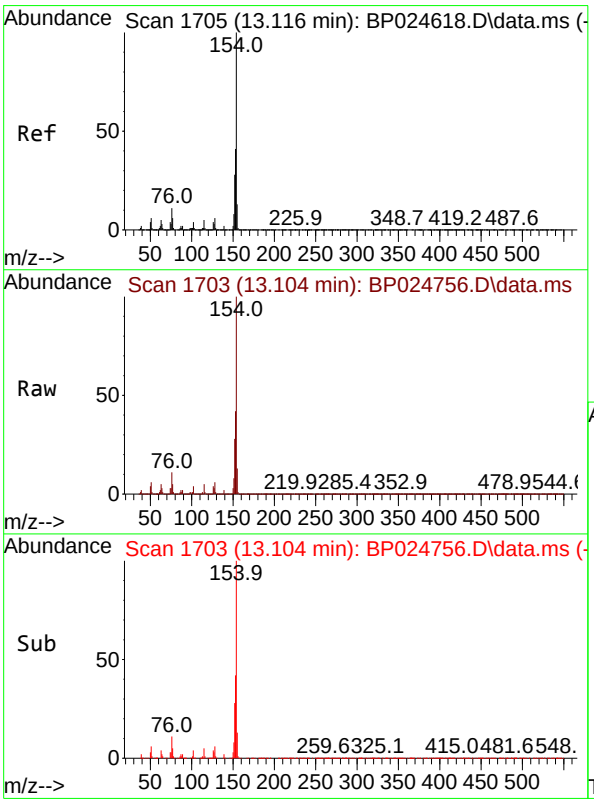
#45
2-Fluorobiphenyl
Concen: 76.786 ng
RT: 12.899 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:172 Resp: 1985294

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.8	43.2
170	23.5	18.8	28.2

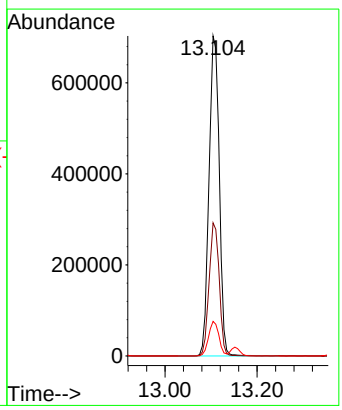


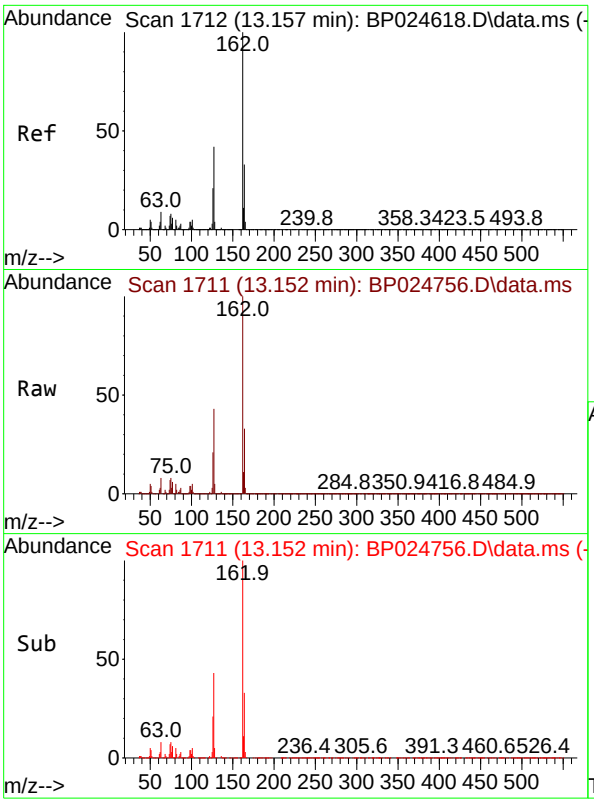


#46
1,1'-Biphenyl
Concen: 43.566 ng
RT: 13.104 min Scan# 1703
Delta R.T. -0.012 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:154 Resp: 1090713

Ion	Ratio	Lower	Upper
154	100		
153	41.6	21.0	61.0
76	10.8	0.0	31.5



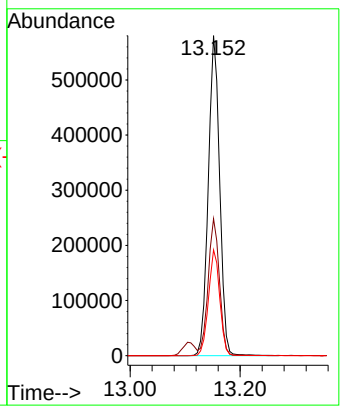


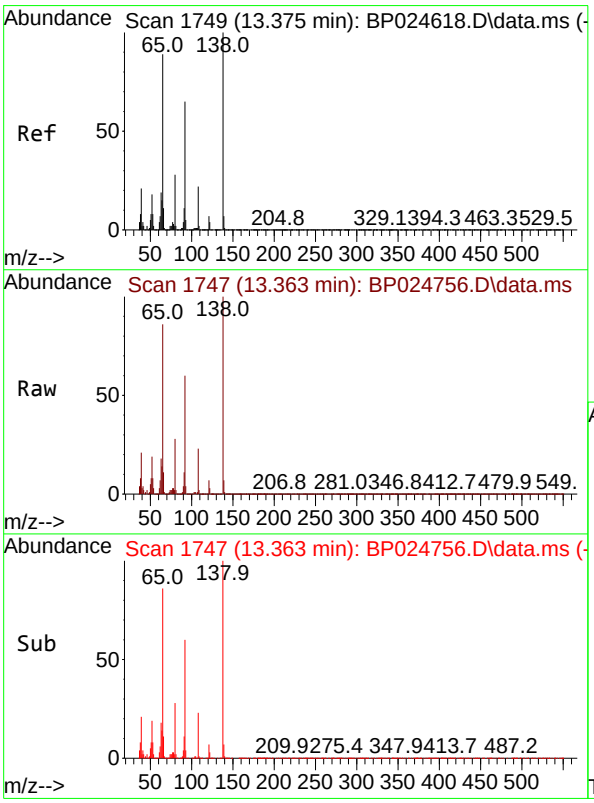
#47
2-Chloronaphthalene
Concen: 43.653 ng
RT: 13.152 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:162 Resp: 833303

Ion	Ratio	Lower	Upper
162	100		
127	42.8	33.8	50.6
164	33.1	26.0	39.0

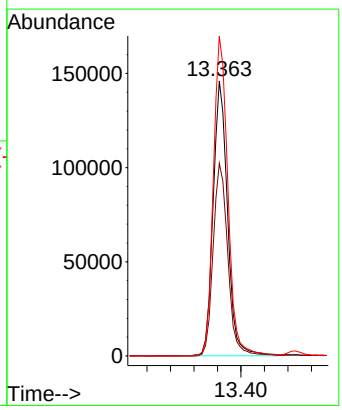


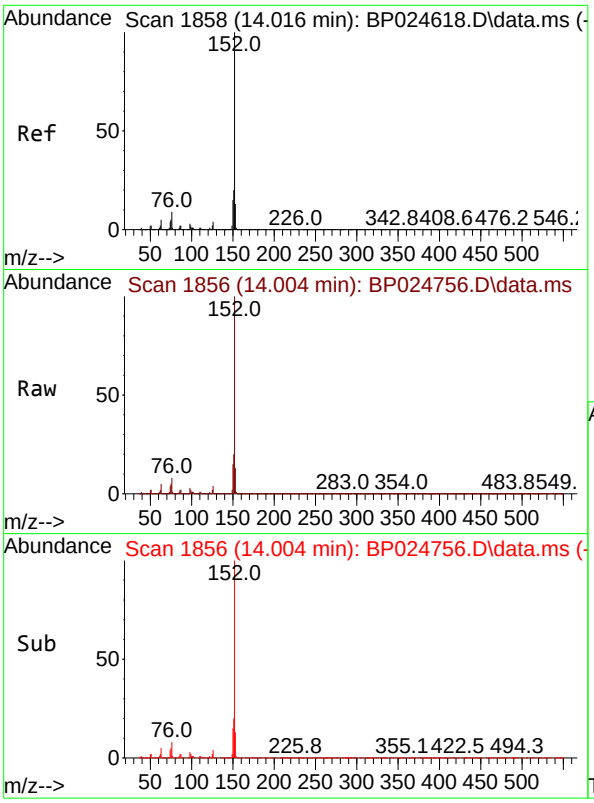


#48
2-Nitroaniline
Concen: 44.085 ng
RT: 13.363 min Scan# 1747
Delta R.T. -0.012 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion: 65 Resp: 249151

Ion	Ratio	Lower	Upper
65	100		
92	70.1	58.7	88.1
138	116.3	90.2	135.2



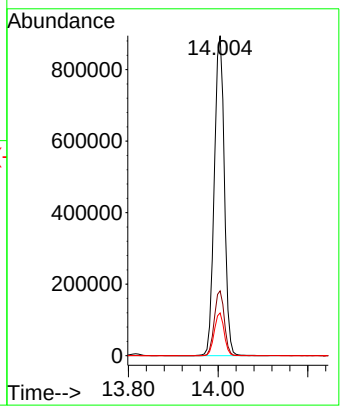


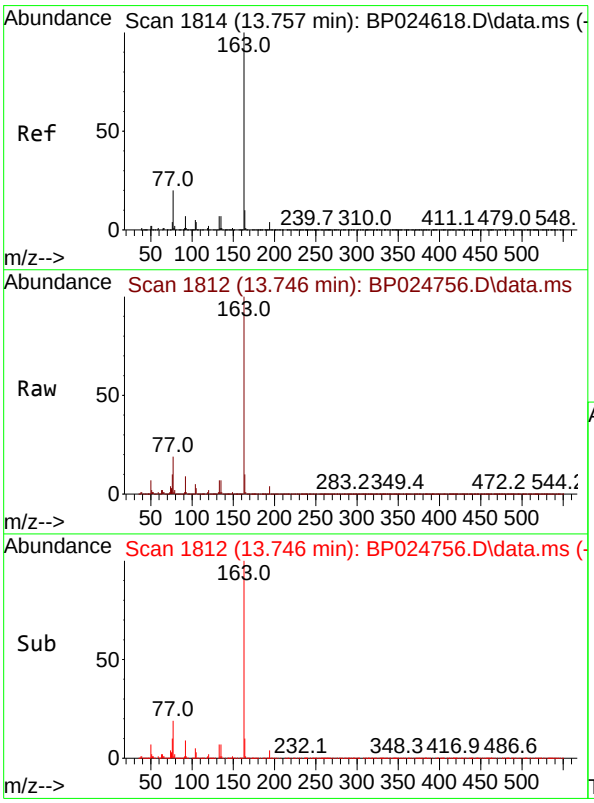
#49
Acenaphthylene
Concen: 43.560 ng
RT: 14.004 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:152 Resp: 1391550

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.4
153	13.3	10.2	15.4

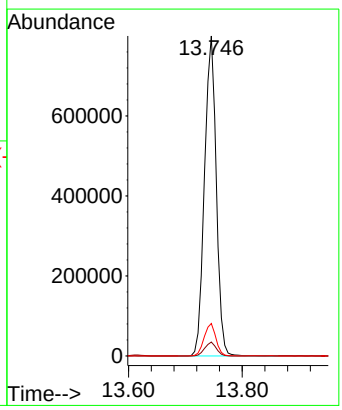


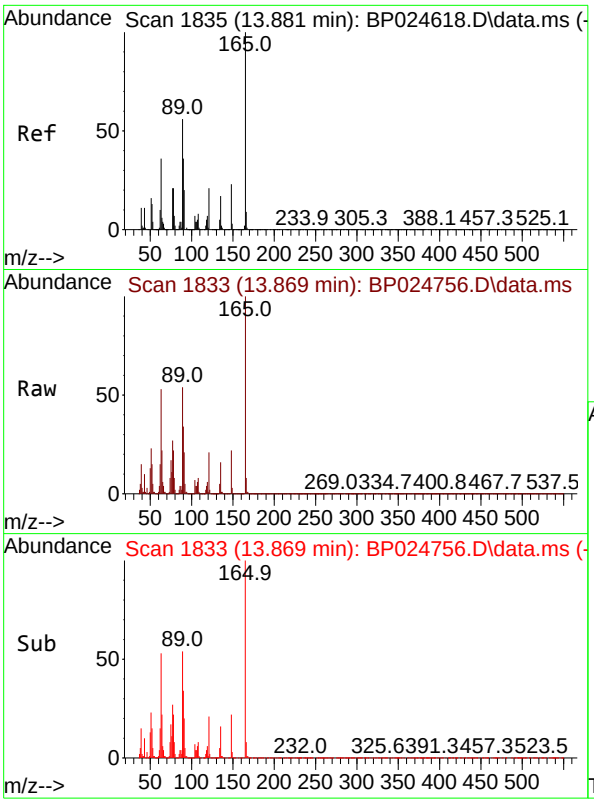


#50
Dimethylphthalate
Concen: 44.269 ng
RT: 13.746 min Scan# 1812
Delta R.T. -0.012 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:163 Resp: 1142952

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.0
164	10.2	8.1	12.1



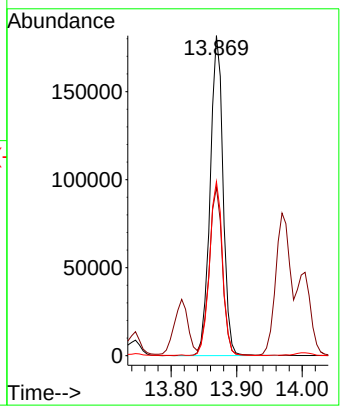


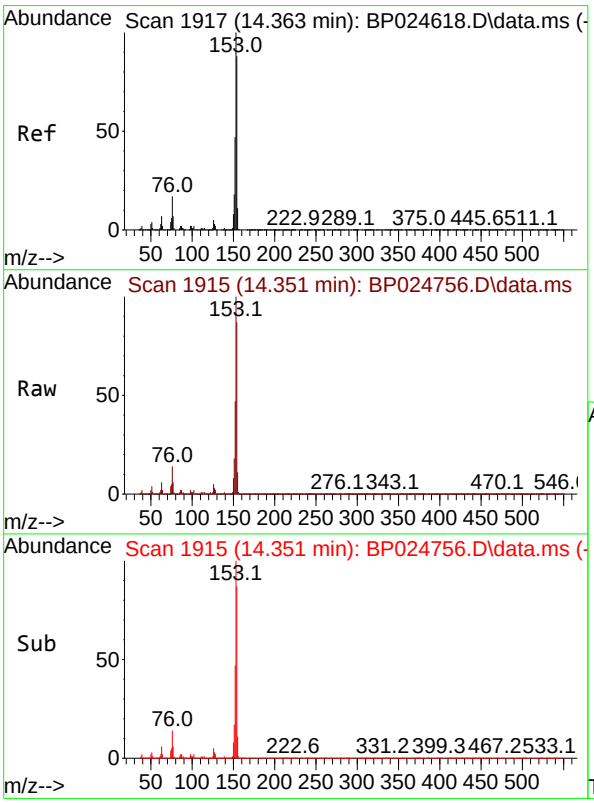
#51
2,6-Dinitrotoluene
Concen: 45.467 ng
RT: 13.869 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:165 Resp: 247920

Ion	Ratio	Lower	Upper
165	100		
63	52.7	42.4	63.6
89	54.4	44.8	67.2

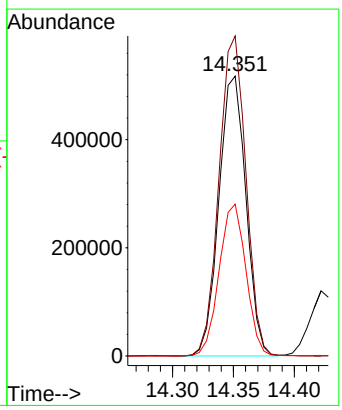


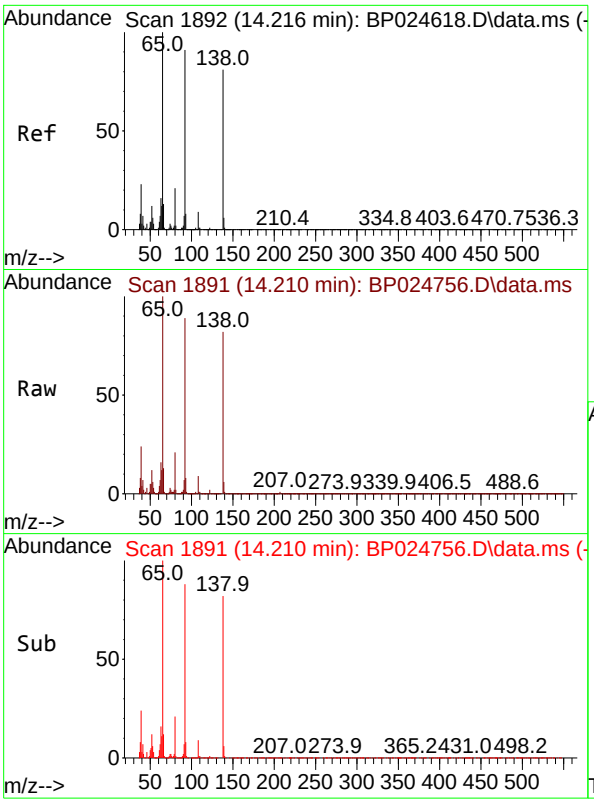


#52
Acenaphthene
Concen: 43.536 ng
RT: 14.351 min Scan# 1915
Delta R.T. -0.012 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:154 Resp: 799545

Ion	Ratio	Lower	Upper
154	100		
153	114.3	91.0	136.4
152	54.2	42.9	64.3



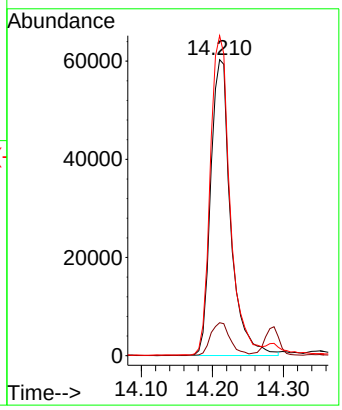


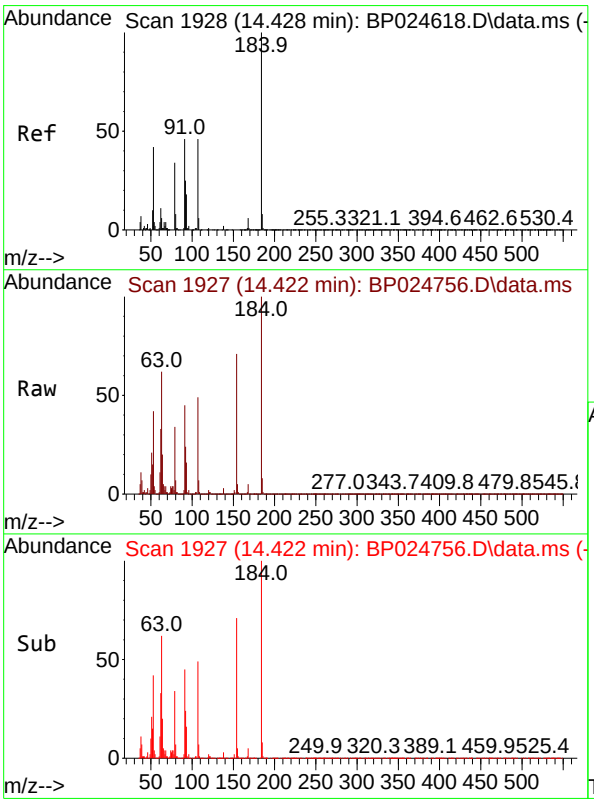
#53
3-Nitroaniline
Concen: 21.100 ng
RT: 14.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:138 Resp: 117478

Ion	Ratio	Lower	Upper
138	100		
108	11.2	9.0	13.4
92	108.1	90.1	135.1

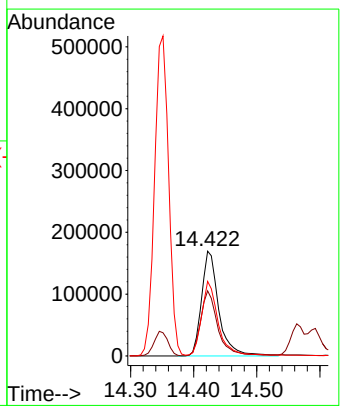


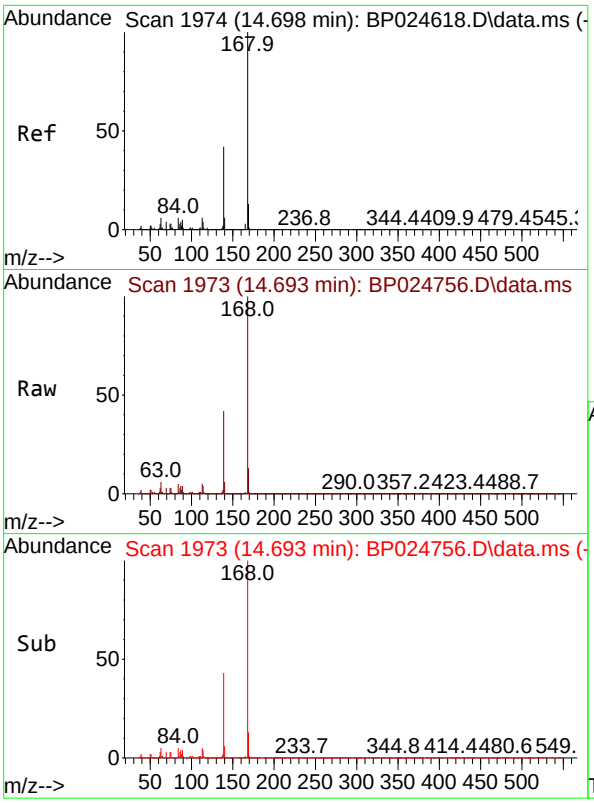


#54
2,4-Dinitrophenol
Concen: 92.631 ng
RT: 14.422 min Scan# 1927
Delta R.T. -0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:184 Resp: 322278

Ion	Ratio	Lower	Upper
184	100		
63	62.2	51.3	76.9
154	71.1	53.5	80.3



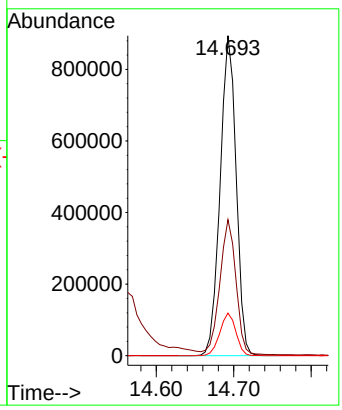


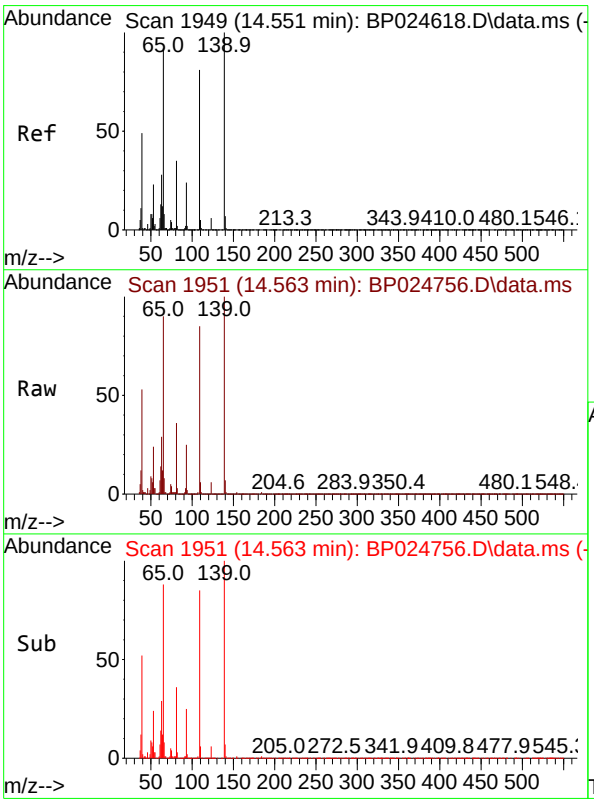
#55
Dibenzofuran
Concen: 43.972 ng
RT: 14.693 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:168 Resp: 1288076

Ion	Ratio	Lower	Upper
168	100		
139	42.5	34.2	51.4
169	13.3	10.8	16.2

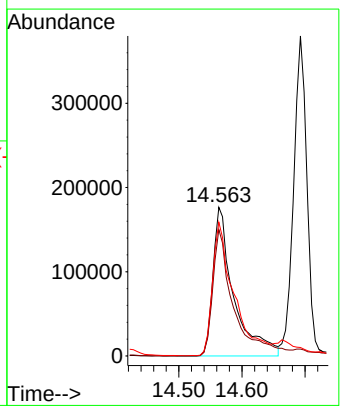


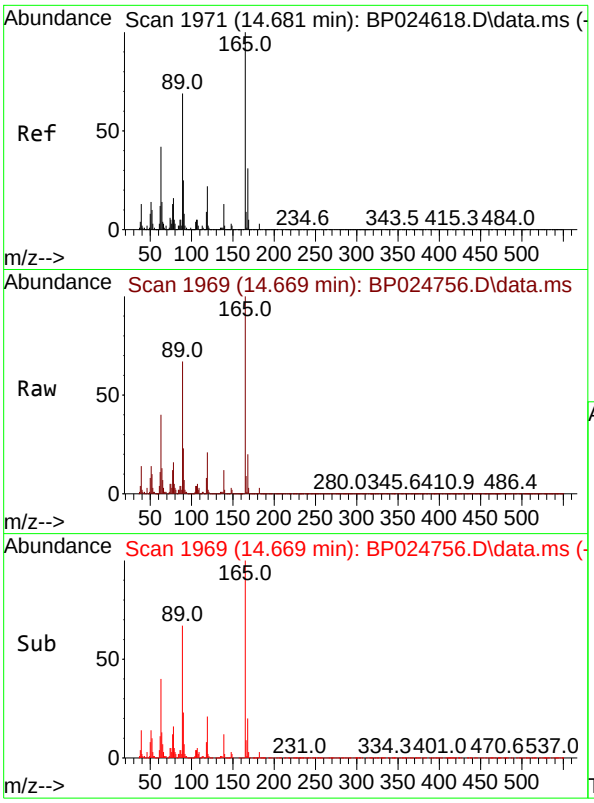


#56
4-Nitrophenol
Concen: 83.411 ng
RT: 14.563 min Scan# 1951
Delta R.T. 0.012 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:139 Resp: 402969

Ion	Ratio	Lower	Upper
139	100		
109	85.0	61.4	101.4
65	90.0	72.2	112.2



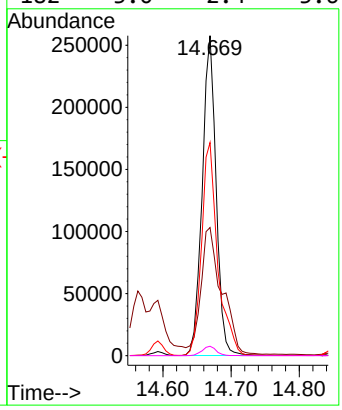


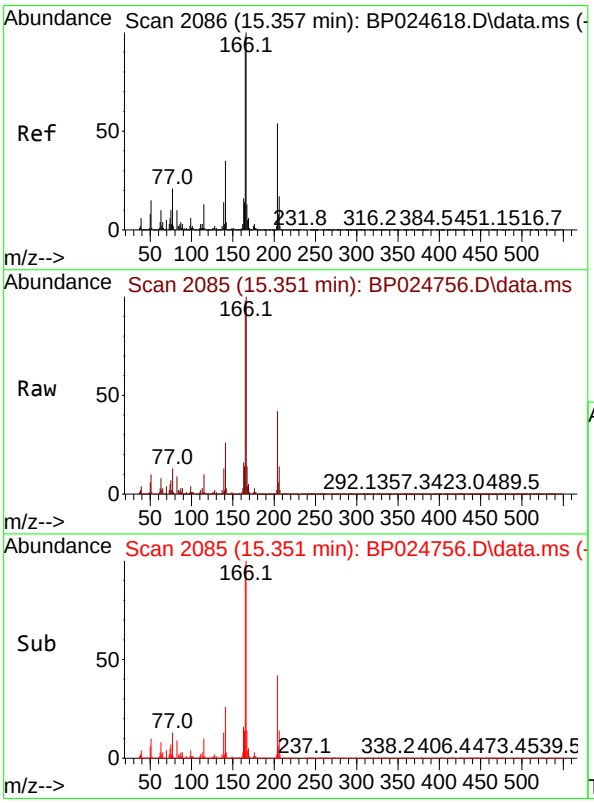
#57
2,4-Dinitrotoluene
Concen: 47.511 ng
RT: 14.669 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:165 Resp: 365228

Ion	Ratio	Lower	Upper
165	100		
63	40.0	33.8	50.6
89	66.6	55.6	83.4
182	3.0	2.4	3.6

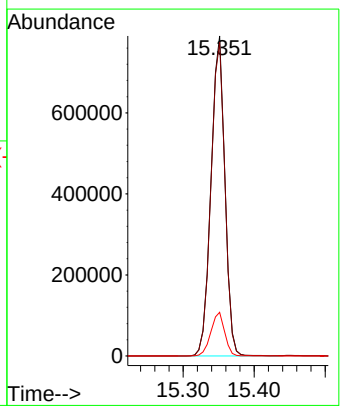


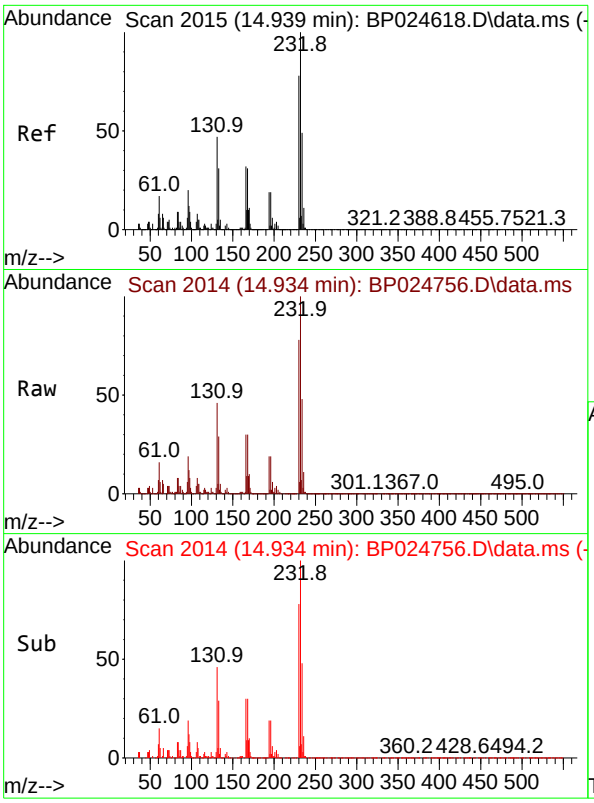


#58
Fluorene
Concen: 44.866 ng
RT: 15.351 min Scan# 2085
Delta R.T. -0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:166 Resp: 1071652

Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.5	117.7
167	13.6	10.7	16.1



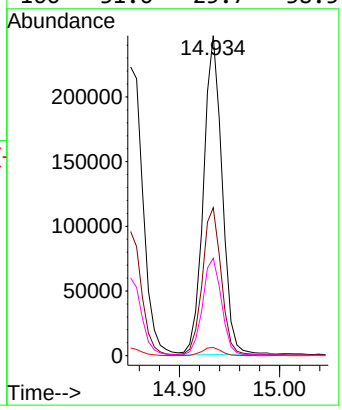


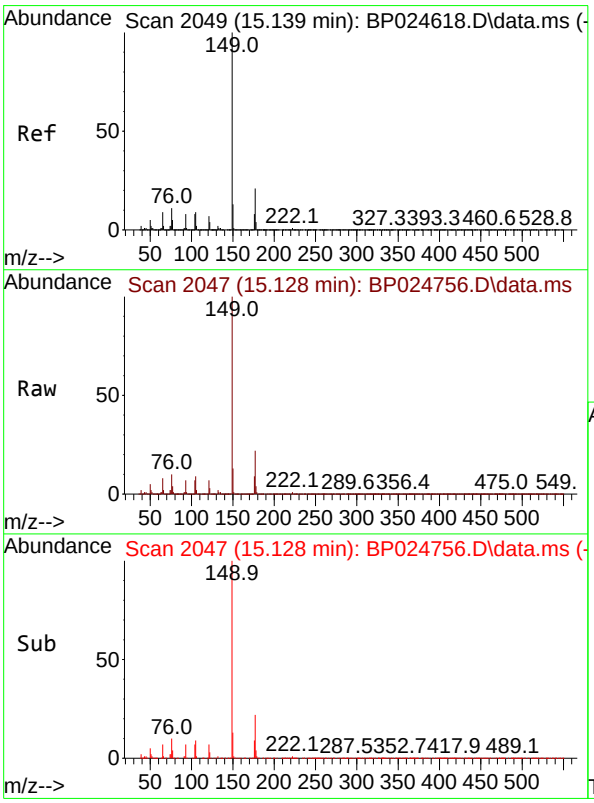
#59
2,3,4,6-Tetrachlorophenol
Concen: 48.321 ng
RT: 14.934 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:232 Resp: 317896

Ion	Ratio	Lower	Upper
232	100		
131	47.1	39.5	59.3
130	2.7	2.2	3.4
166	31.6	25.7	38.5

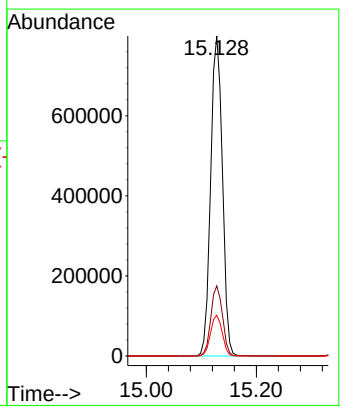


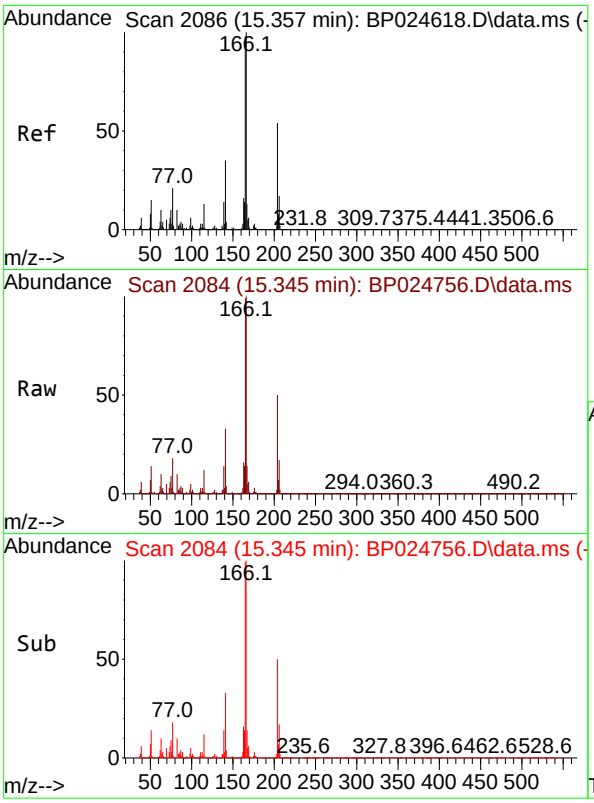


#60
Diethylphthalate
Concen: 45.380 ng
RT: 15.128 min Scan# 2047
Delta R.T. -0.012 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:149 Resp: 1184185

Ion	Ratio	Lower	Upper
149	100		
177	21.9	16.7	25.1
150	12.7	10.2	15.2



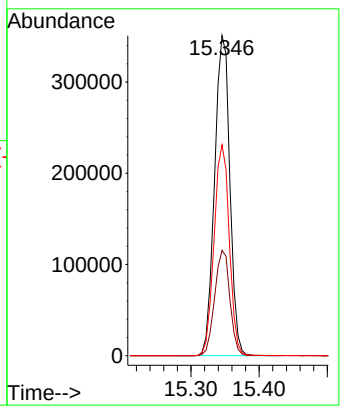


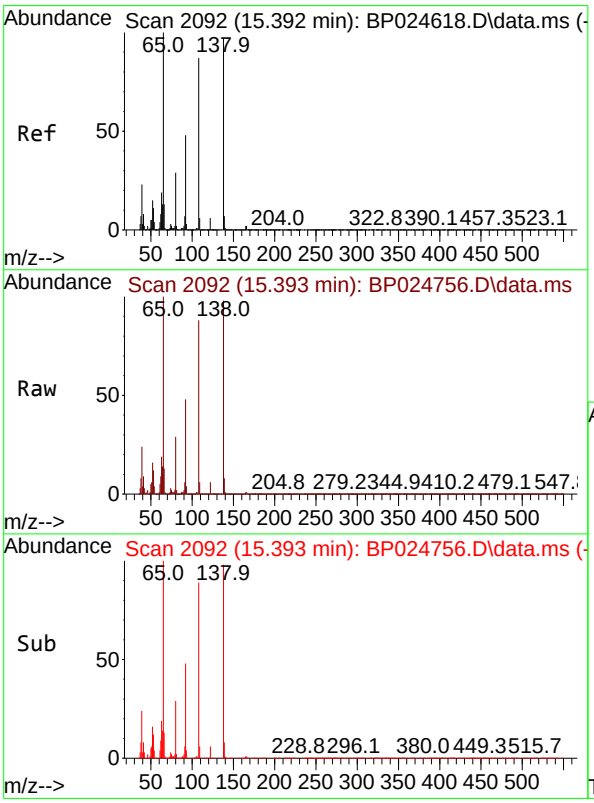
#61
4-Chlorophenyl-phenylether
Concen: 45.924 ng
RT: 15.345 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:204 Resp: 547042

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.0	39.0
141	65.9	52.9	79.3

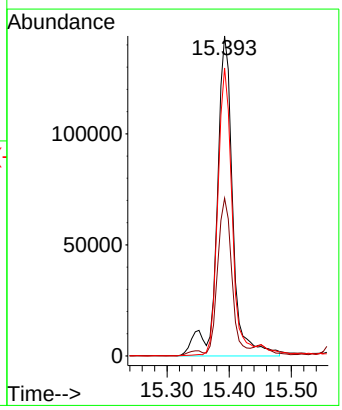


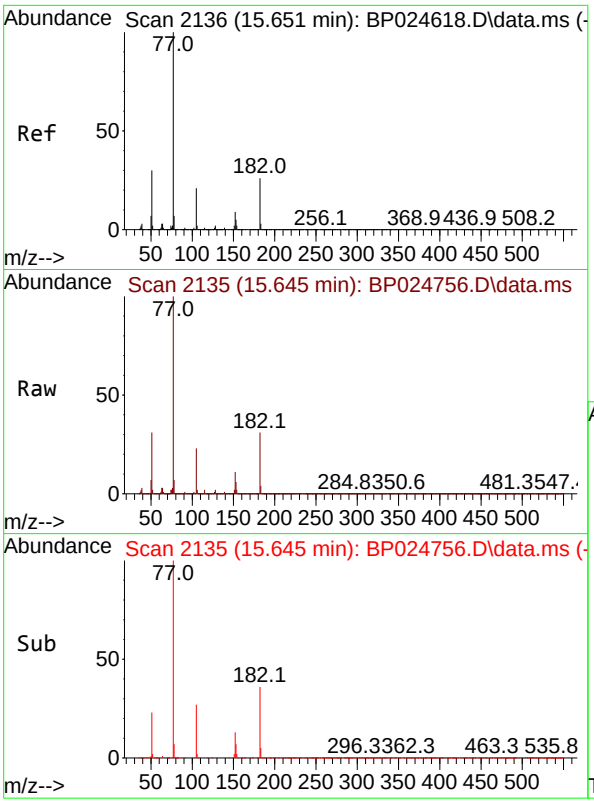


#62
4-Nitroaniline
Concen: 47.290 ng m
RT: 15.393 min Scan# 2092
Delta R.T. 0.000 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:138 Resp: 254227

Ion	Ratio	Lower	Upper
138	100		
92	49.3	29.2	69.2
108	90.0	69.0	109.0



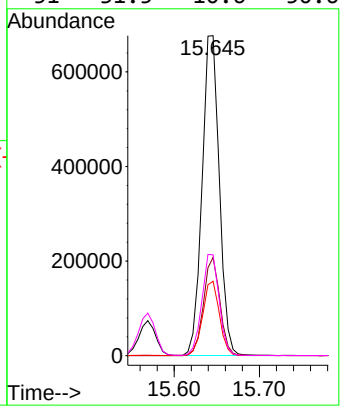


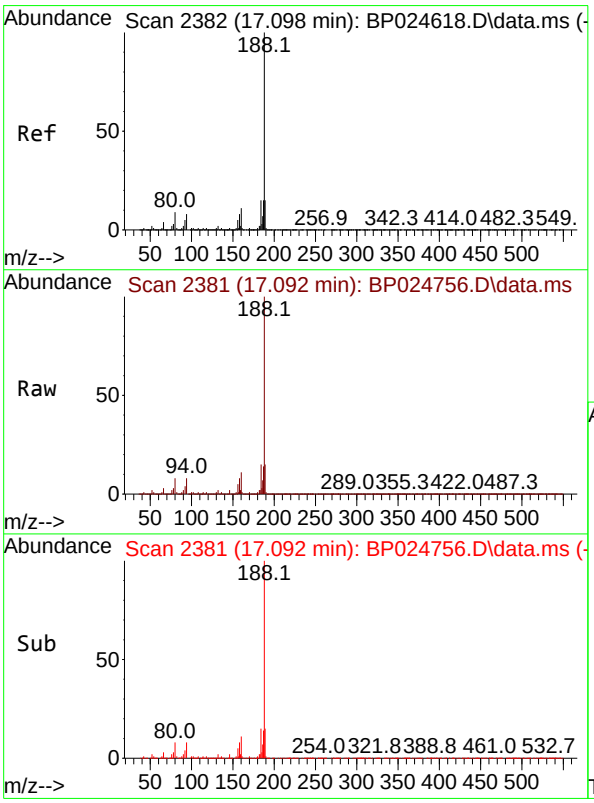
#63
Azobenzene
Concen: 42.554 ng
RT: 15.645 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion: 77 Resp: 949950

Ion	Ratio	Lower	Upper
77	100		
182	30.7	5.7	45.7
105	23.3	1.3	41.3
51	31.5	10.6	50.6

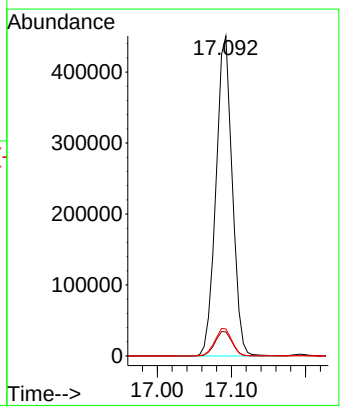


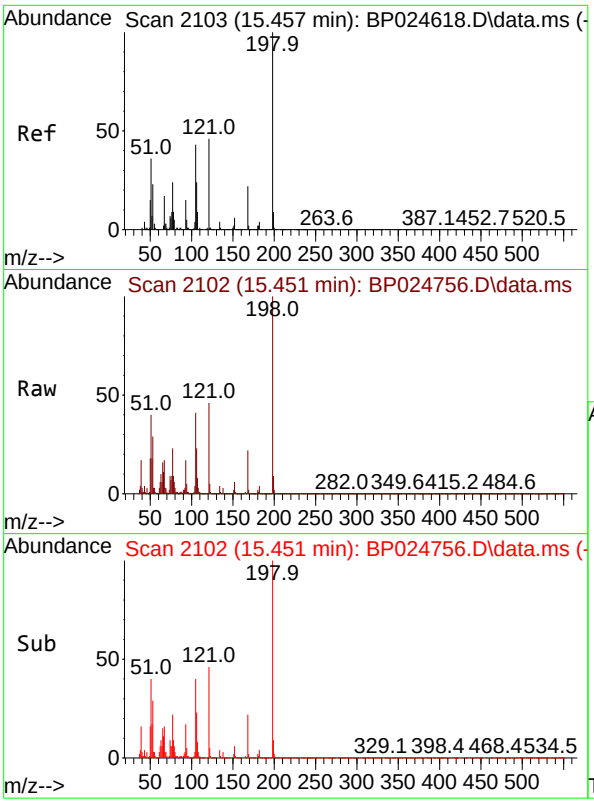


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.092 min Scan# 2381
Delta R.T. -0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:188 Resp: 686645

Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.5	9.7
80	8.5	7.3	10.9



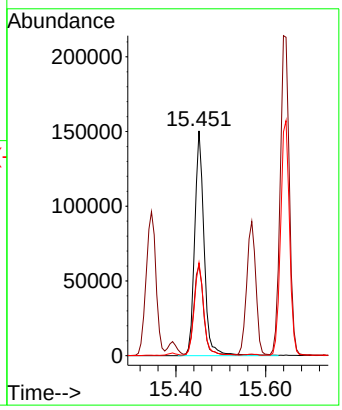


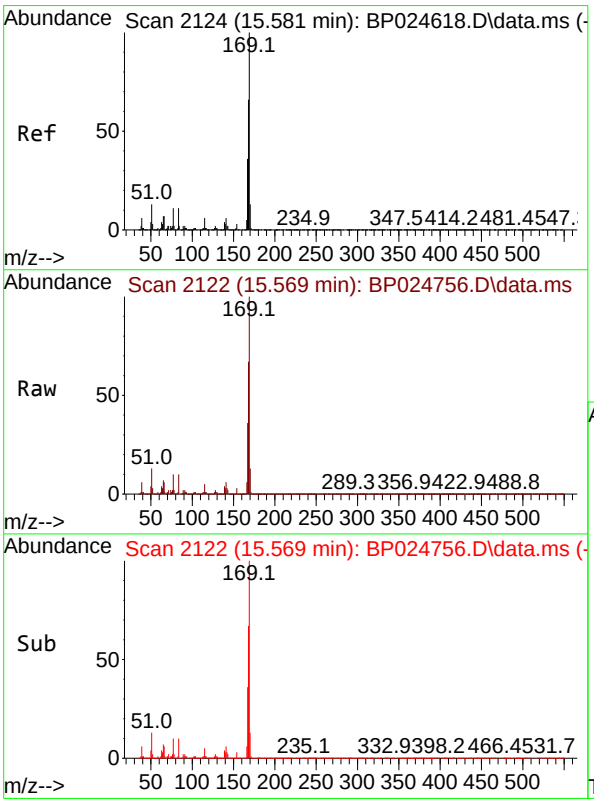
#65
4,6-Dinitro-2-methylphenol
Concen: 49.318 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:198 Resp: 218741

Ion	Ratio	Lower	Upper
198	100		
51	40.1	21.1	61.1
105	41.3	23.6	63.6

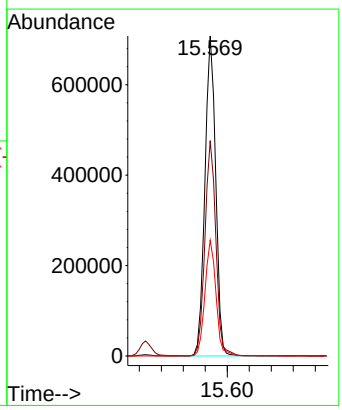


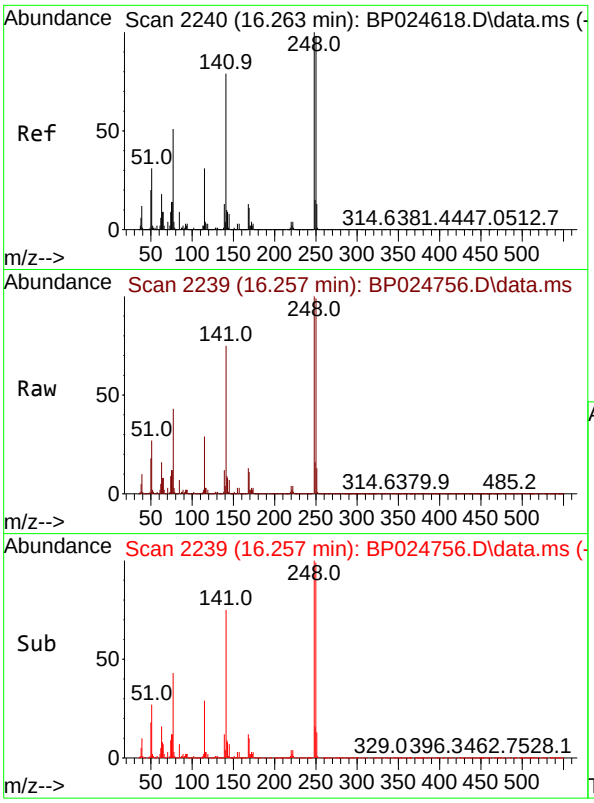


#66
n-Nitrosodiphenylamine
Concen: 45.582 ng
RT: 15.569 min Scan# 2122
Delta R.T. -0.012 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:169 Resp: 961369

Ion	Ratio	Lower	Upper
169	100		
168	67.3	53.2	79.8
167	36.2	28.6	43.0



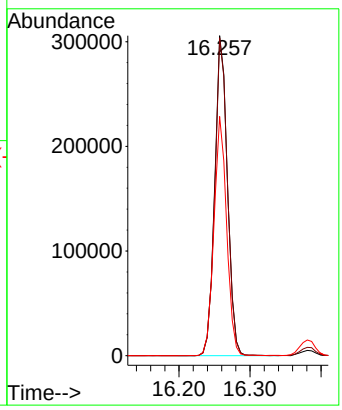


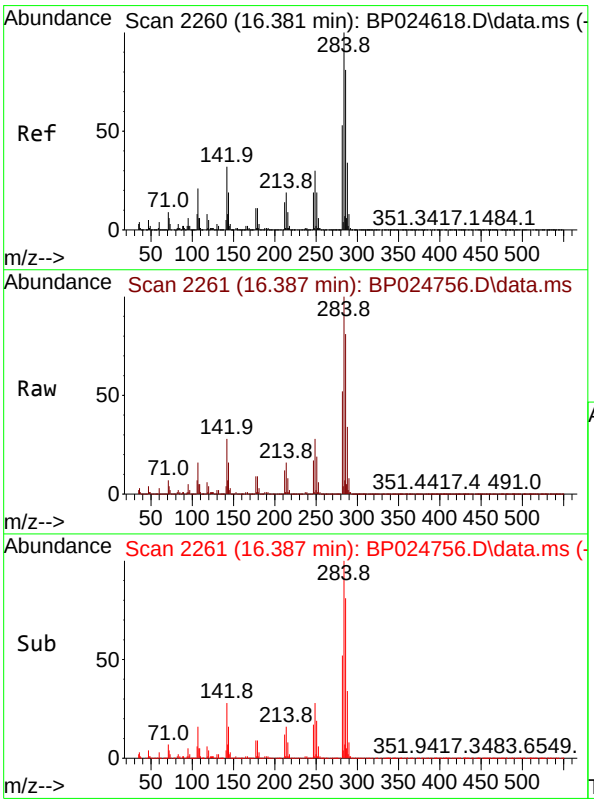
#67
4-Bromophenyl-phenylether
Concen: 46.751 ng
RT: 16.257 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:248 Resp: 378264

Ion	Ratio	Lower	Upper
248	100		
250	99.4	78.2	117.4
141	74.8	63.0	94.6

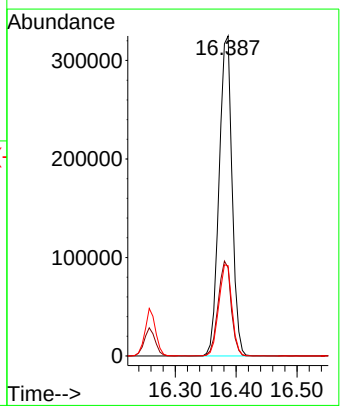


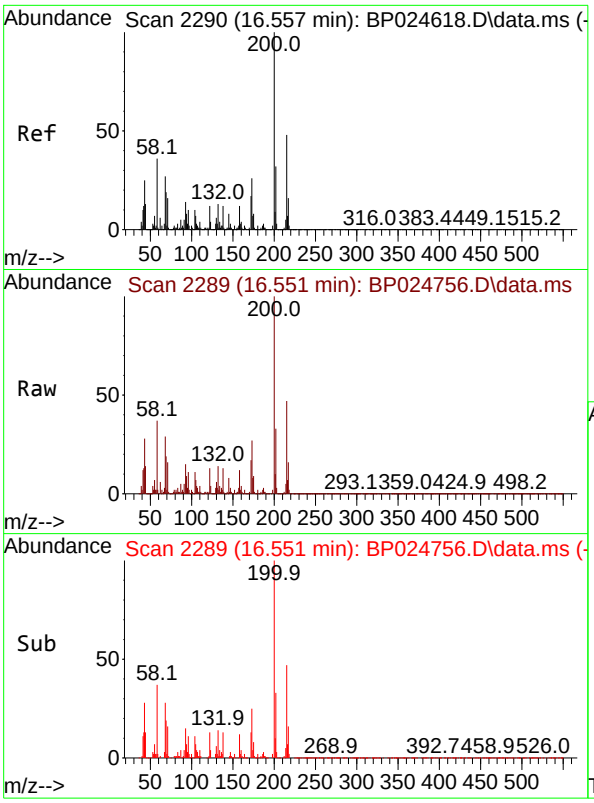


#68
Hexachlorobenzene
Concen: 46.728 ng
RT: 16.387 min Scan# 2261
Delta R.T. 0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:284 Resp: 480414

Ion	Ratio	Lower	Upper
284	100		
142	27.5	25.9	38.9
249	28.2	24.1	36.1



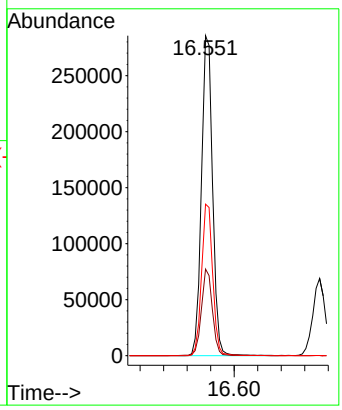


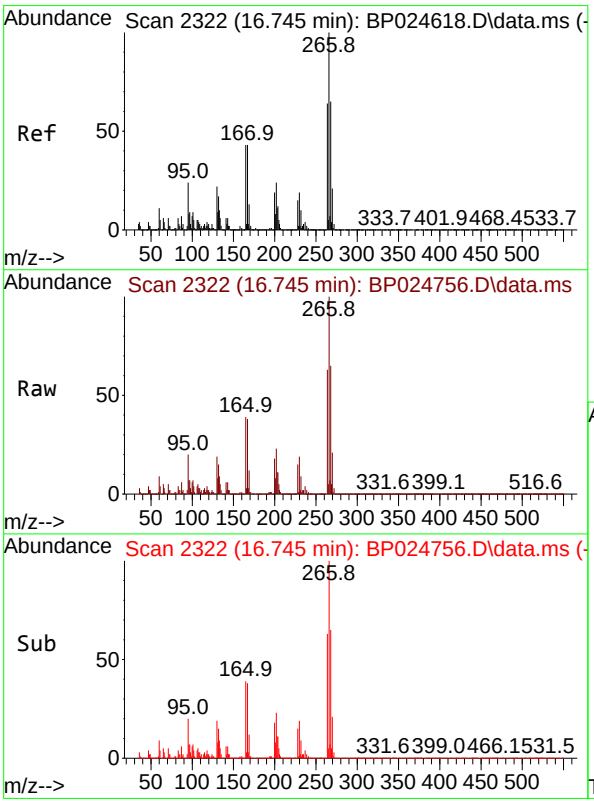
#69
Atrazine
Concen: 48.382 ng
RT: 16.551 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:200 Resp: 373961

Ion	Ratio	Lower	Upper
200	100		
173	27.0	5.9	45.9
215	47.3	28.3	68.3

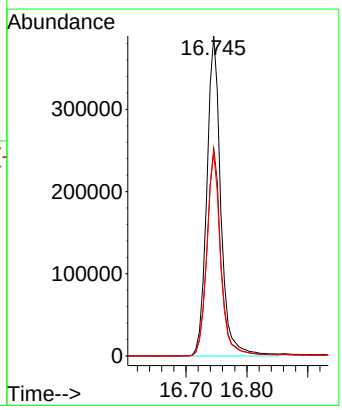


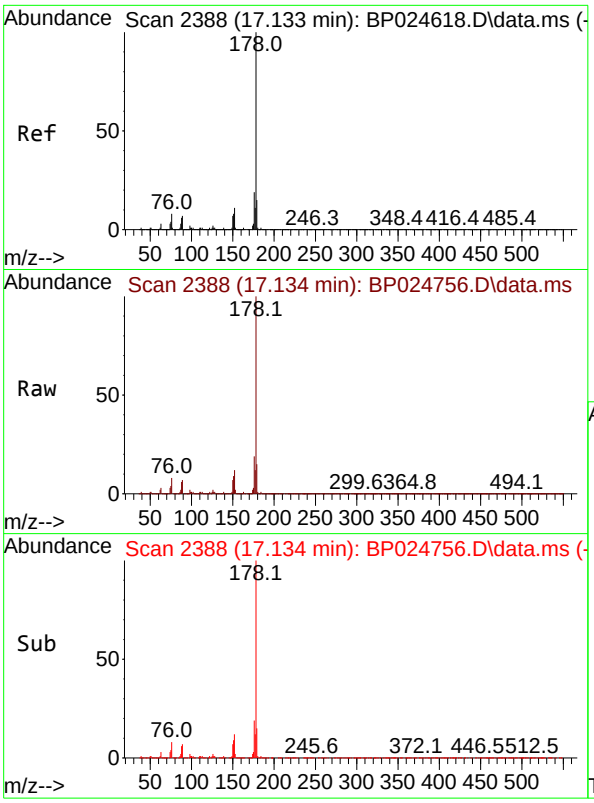


#70
Pentachlorophenol
Concen: 107.740 ng
RT: 16.745 min Scan# 2322
Delta R.T. 0.000 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:266 Resp: 621802

Ion	Ratio	Lower	Upper
266	100		
268	64.9	52.2	78.4
264	63.3	51.1	76.7



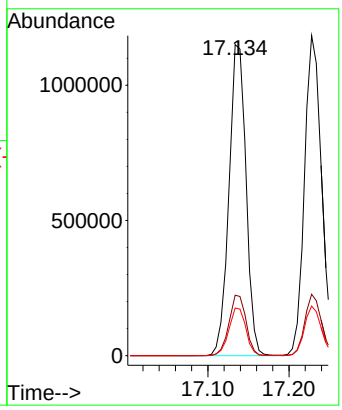


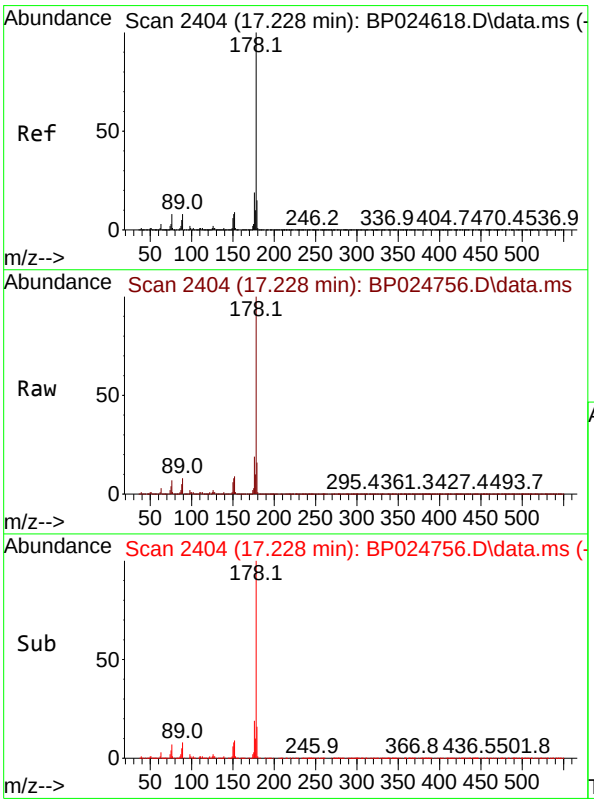
#71
Phenanthrene
Concen: 44.002 ng
RT: 17.134 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:178 Resp: 1679605

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.3	12.2	18.4

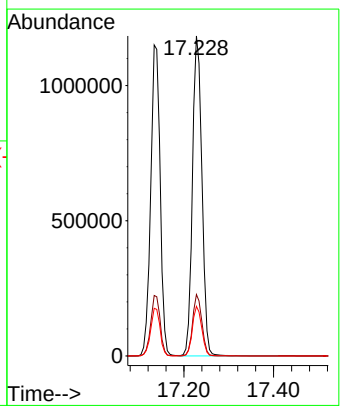


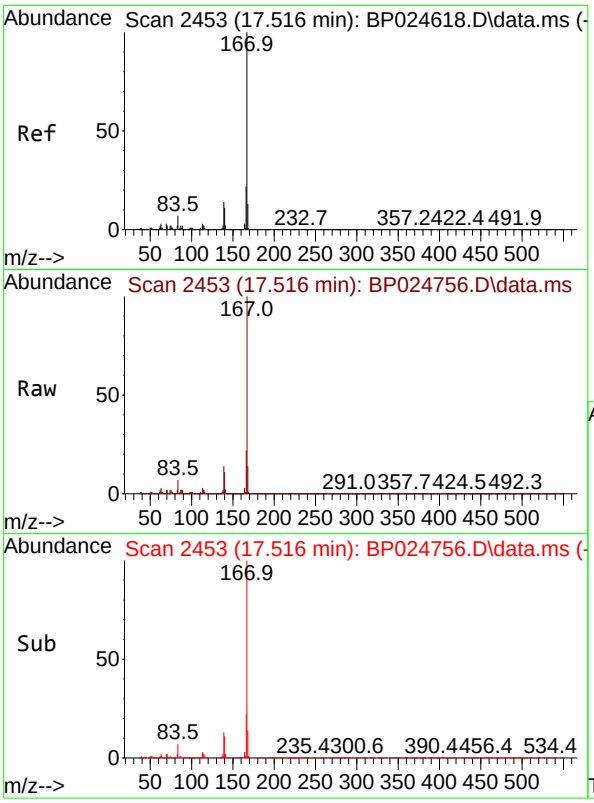


#72
Anthracene
Concen: 45.101 ng
RT: 17.228 min Scan# 2404
Delta R.T. 0.000 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:178 Resp: 1732101

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.0	22.4
179	15.5	12.2	18.2



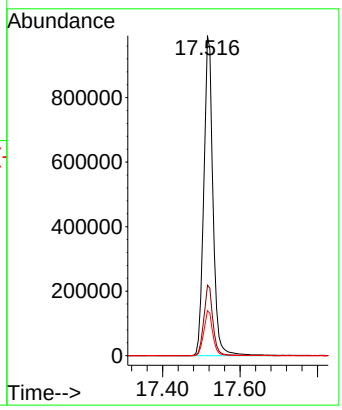


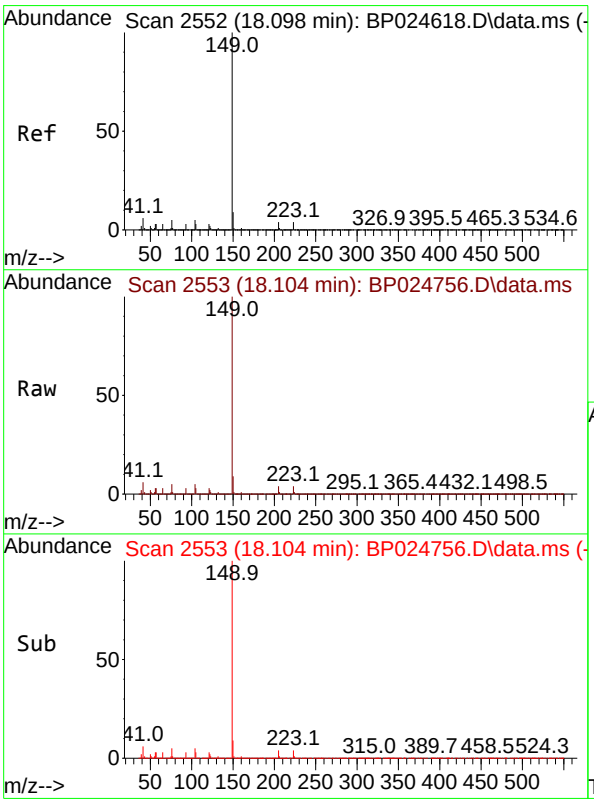
#73
Carbazole
Concen: 46.577 ng
RT: 17.516 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:167 Resp: 1619014

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.7	26.5
139	14.1	11.3	16.9

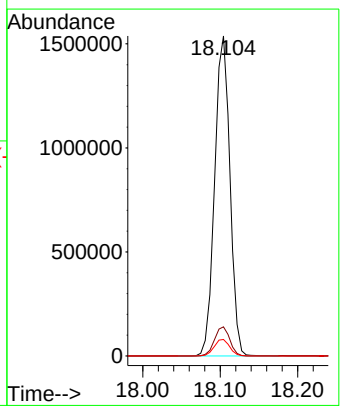


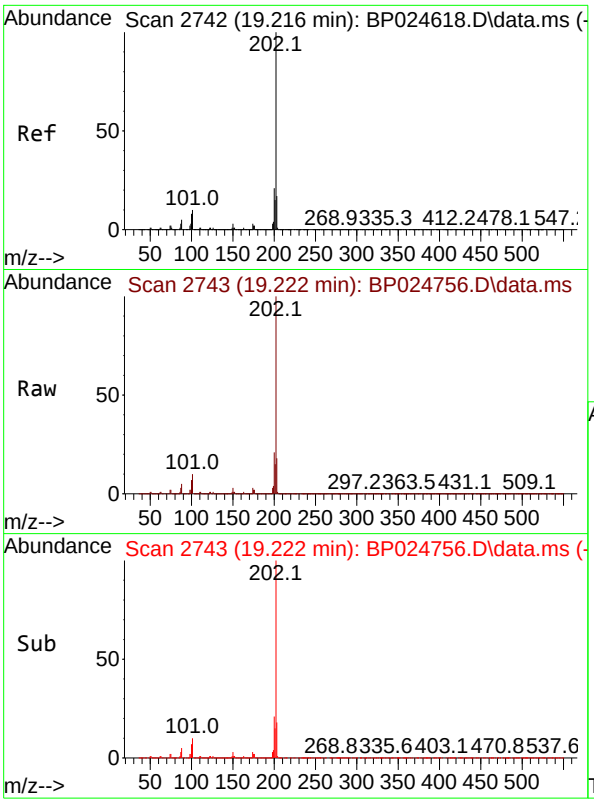


#74
Di-n-butylphthalate
Concen: 47.236 ng
RT: 18.104 min Scan# 2553
Delta R.T. 0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:149 Resp: 2111662

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.2	10.8
104	5.1	4.3	6.5



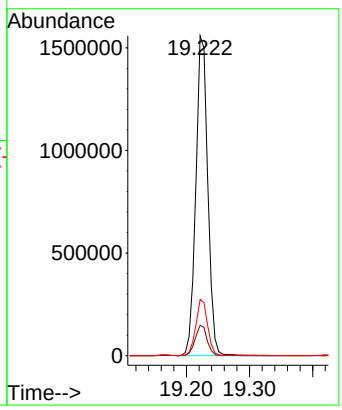


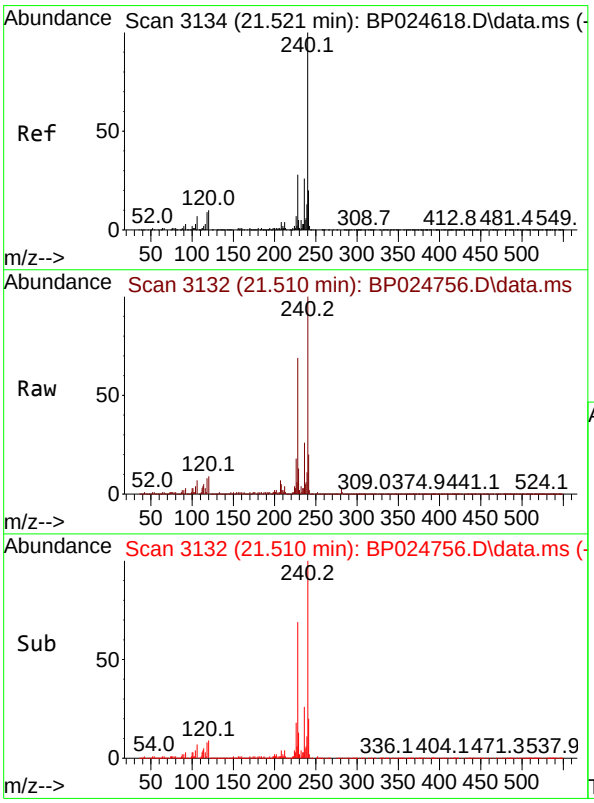
#75
Fluoranthene
Concen: 45.816 ng
RT: 19.222 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:202 Resp: 2044320

Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	30.3
203	17.6	0.0	37.5

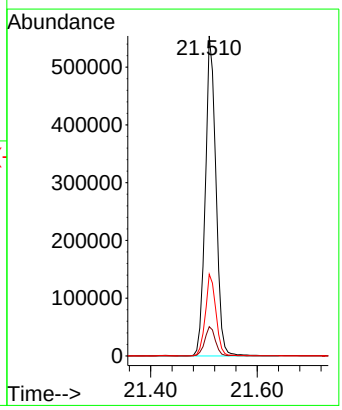


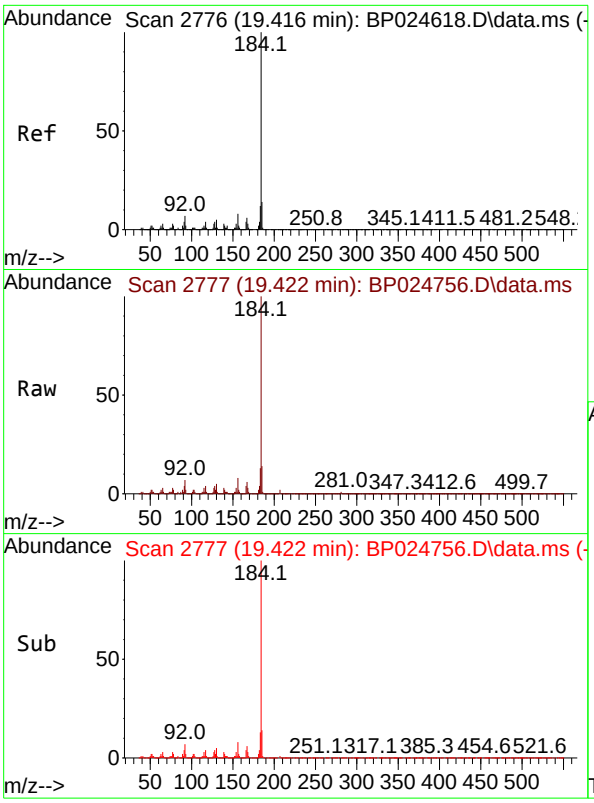


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.510 min Scan# 3132
Delta R.T. -0.012 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:240 Resp: 768545

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



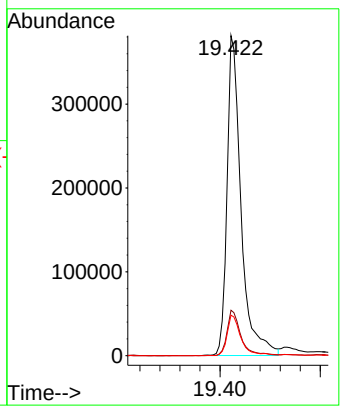


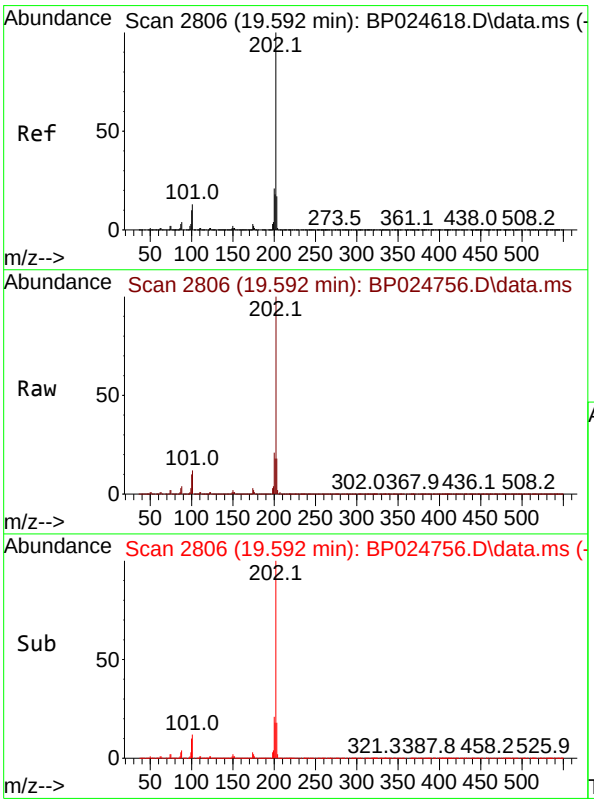
#77
Benzidine
Concen: 35.485 ng
RT: 19.422 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:184 Resp: 742781

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.2	16.8
183	12.6	9.8	14.8

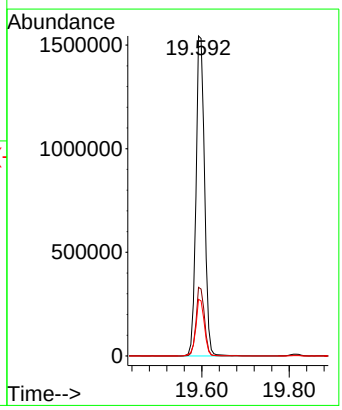


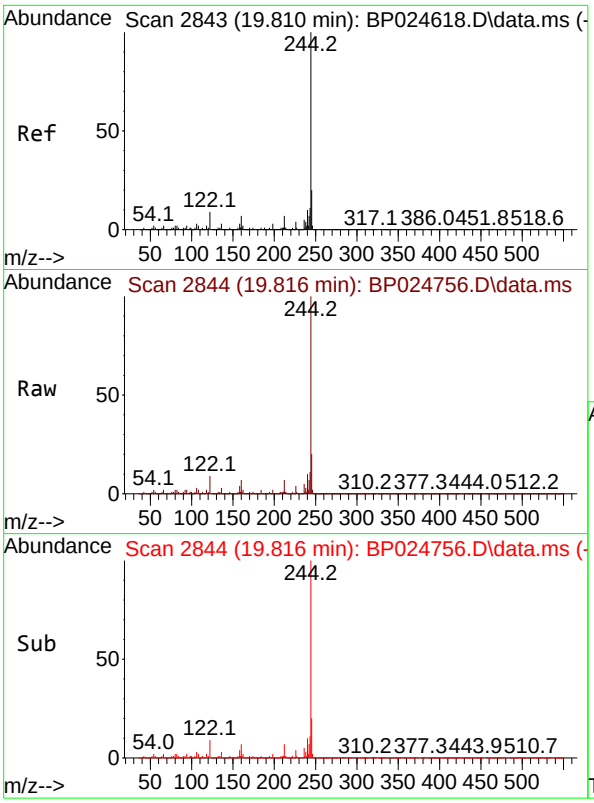


#78
Pyrene
Concen: 45.592 ng
RT: 19.592 min Scan# 2806
Delta R.T. 0.000 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:202 Resp: 2099503

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.9	25.3
203	17.7	13.9	20.9



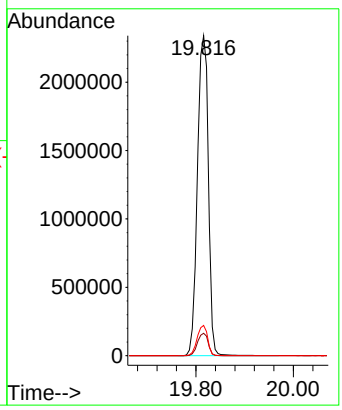


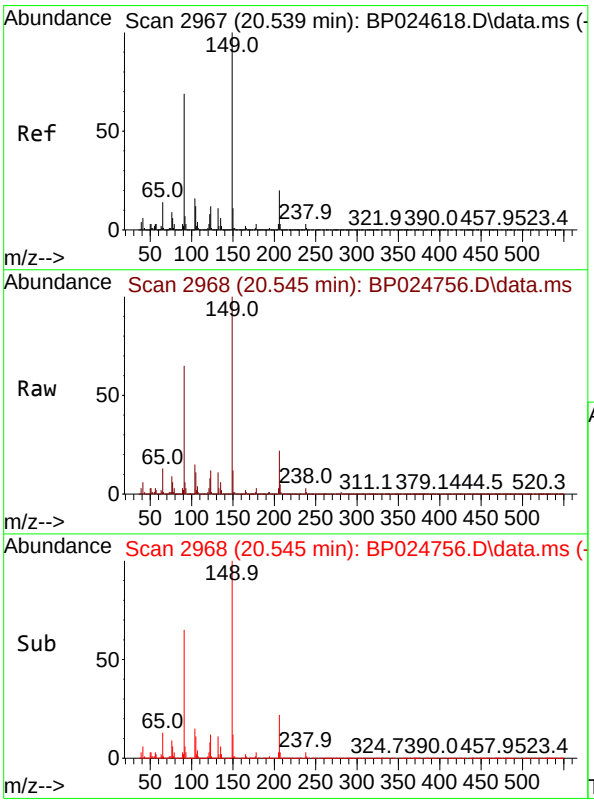
#79
Terphenyl-d14
Concen: 81.496 ng
RT: 19.816 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:244 Resp: 3652739

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	9.5	7.4	11.0

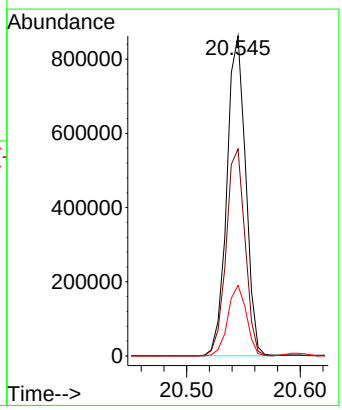


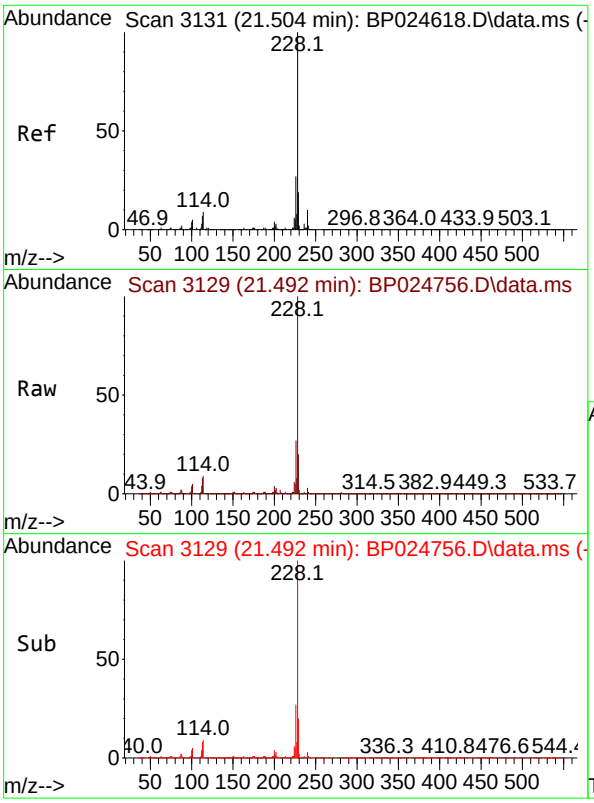


#80
Butylbenzylphthalate
Concen: 48.461 ng
RT: 20.545 min Scan# 2968
Delta R.T. 0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:149 Resp: 992487

Ion	Ratio	Lower	Upper
149	100		
91	64.7	55.4	83.0
206	22.0	16.2	24.2



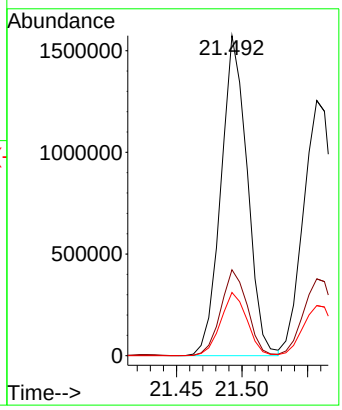


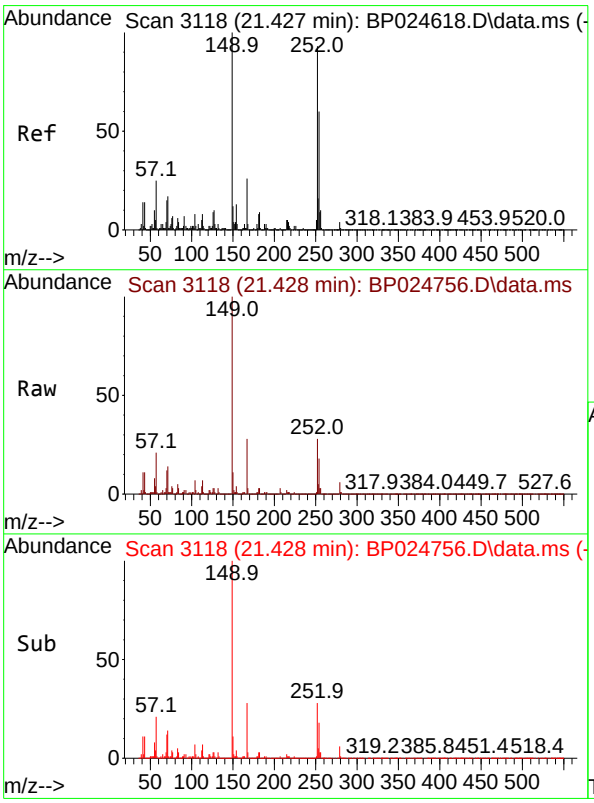
#81
Benzo(a)anthracene
Concen: 45.475 ng
RT: 21.492 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:228 Resp: 2194524

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.4	32.0
229	19.8	15.5	23.3

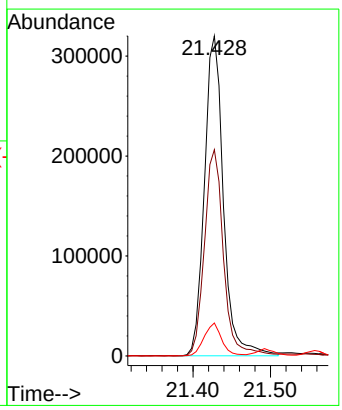


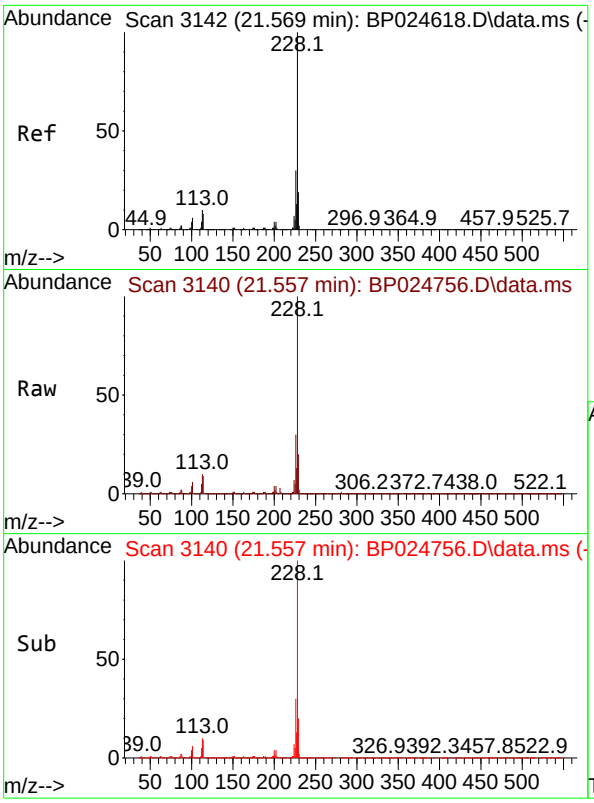


#82
3,3'-Dichlorobenzidine
Concen: 30.394 ng
RT: 21.428 min Scan# 3118
Delta R.T. 0.000 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:252 Resp: 544789

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.8	77.6
126	10.3	7.7	11.5



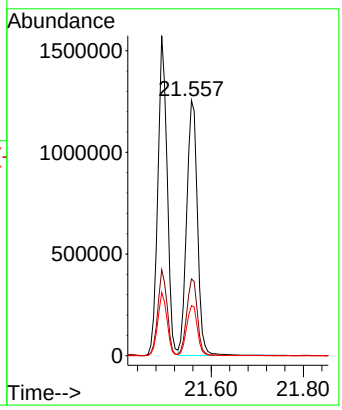


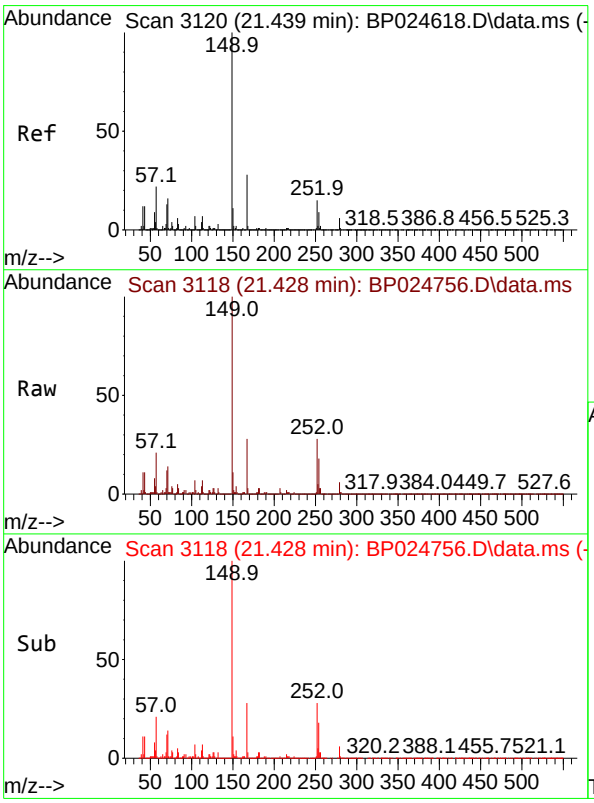
#83
Chrysene
Concen: 44.408 ng
RT: 21.557 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:228 Resp: 2031513

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.9	35.9
229	19.6	15.5	23.3

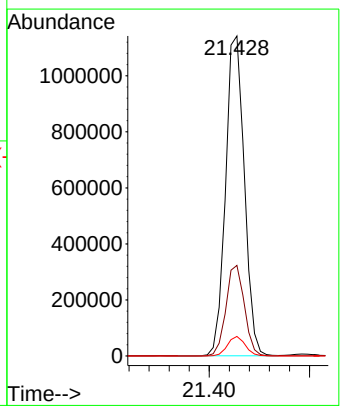


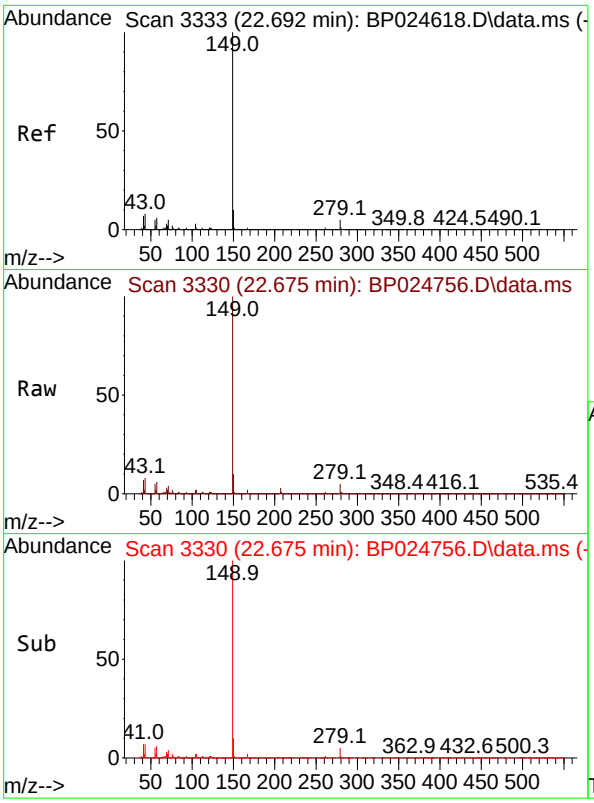


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.121 ng
RT: 21.428 min Scan# 3118
Delta R.T. -0.012 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:149 Resp: 1478644

Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.1	33.1
279	6.1	4.6	6.8



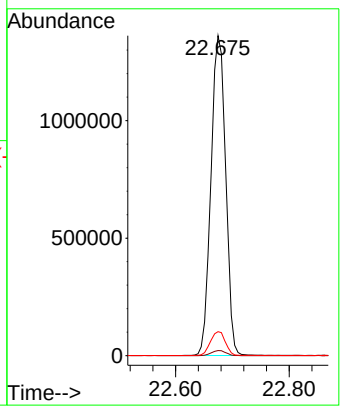


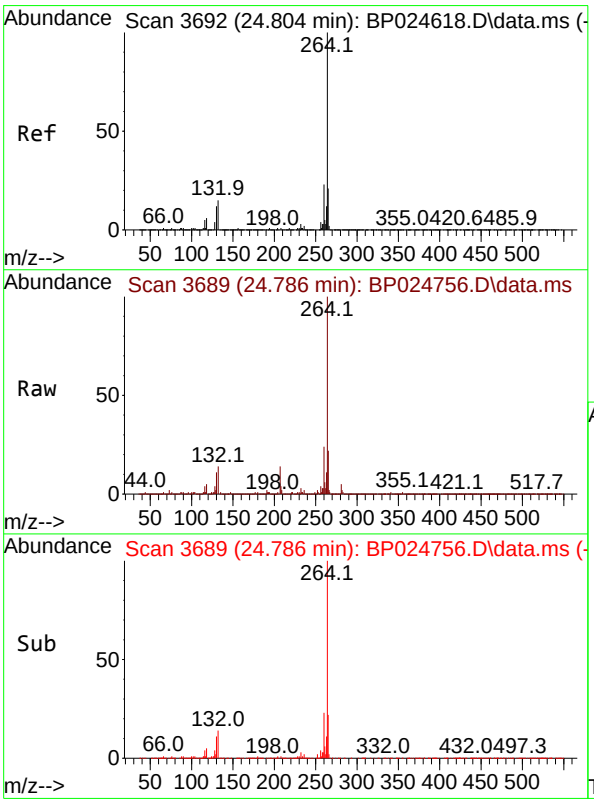
#85
Di-n-octyl phthalate
Concen: 49.615 ng
RT: 22.675 min Scan# 3
Delta R.T. -0.017 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:149 Resp: 2442323

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.6	6.3	9.5

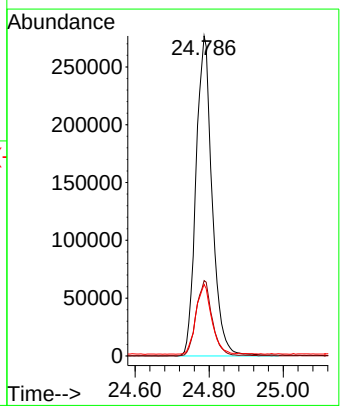


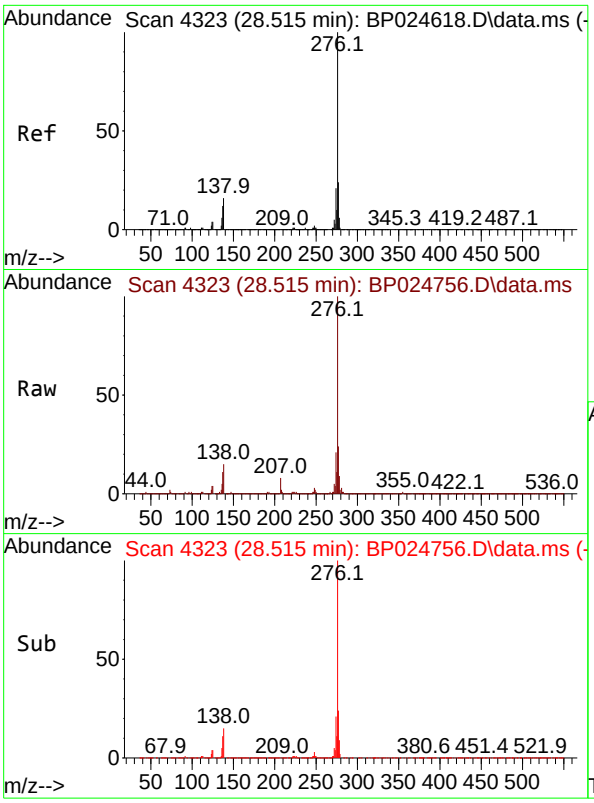


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.786 min Scan# 3689
Delta R.T. -0.017 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:264 Resp: 835982

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	22.4	17.0	25.6



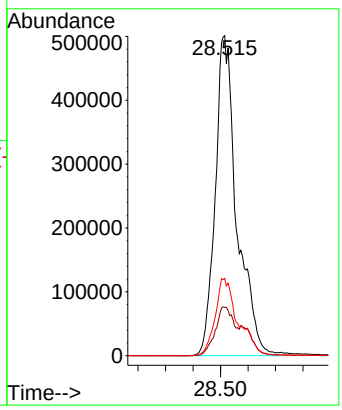


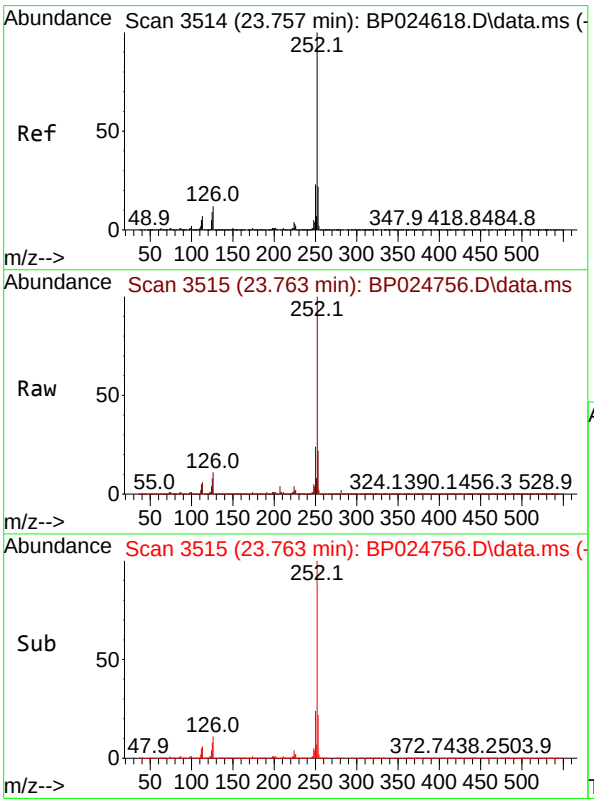
#87
Indeno(1,2,3-cd)pyrene
Concen: 44.820 ng
RT: 28.515 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:276 Resp: 2735441

Ion	Ratio	Lower	Upper
276	100		
138	13.7	11.2	16.8
277	25.5	15.7	23.5#

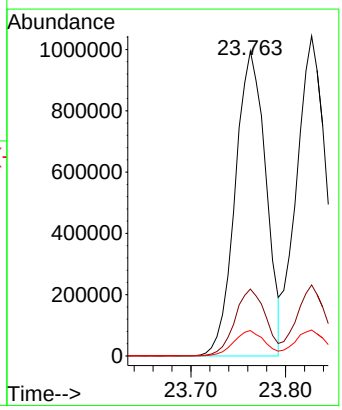


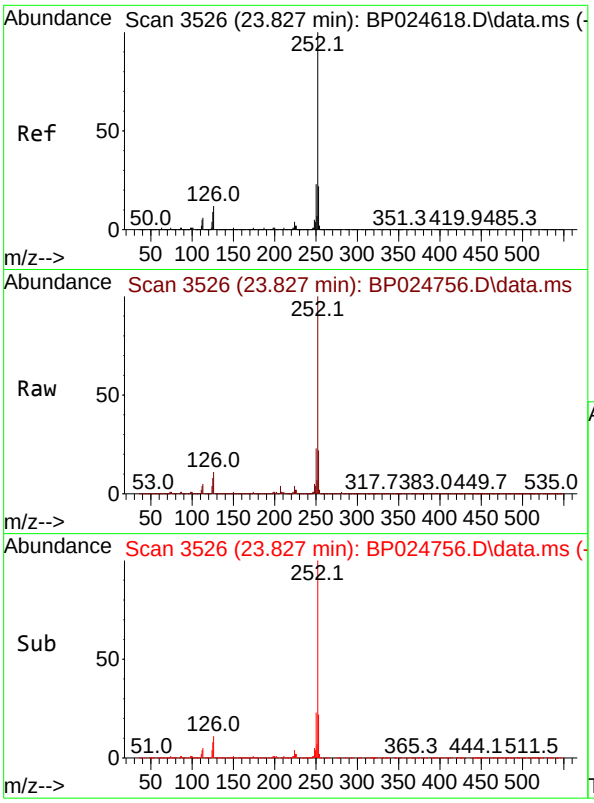


#88
Benzo(b)fluoranthene
Concen: 46.679 ng
RT: 23.763 min Scan# 3515
Delta R.T. 0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:252 Resp: 2233590

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	8.4	7.5	11.3



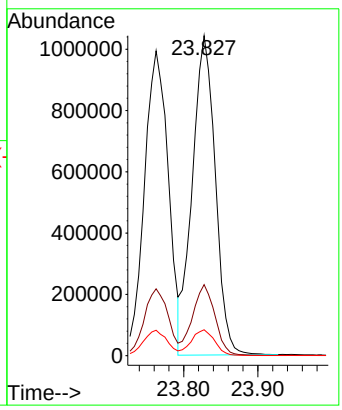


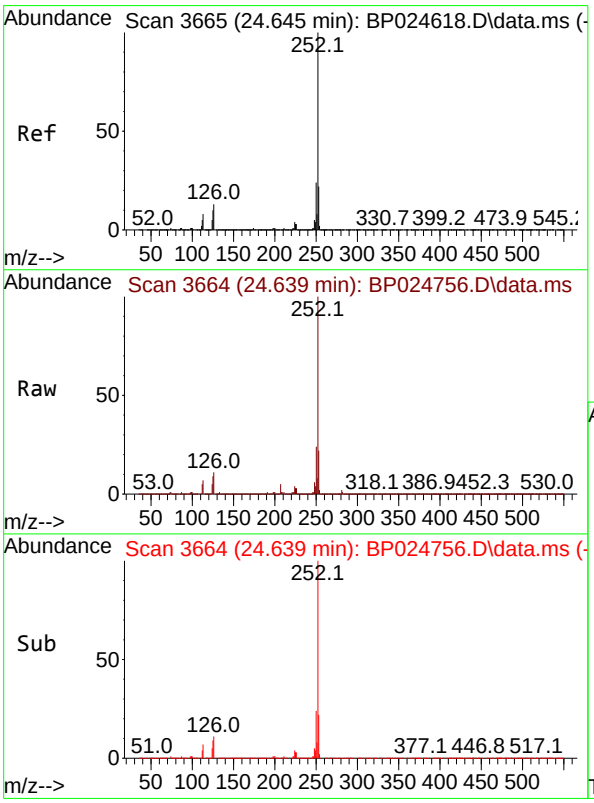
#89
Benzo(k)fluoranthene
Concen: 45.608 ng
RT: 23.827 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:252 Resp: 2248794

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	8.1	7.0	10.4

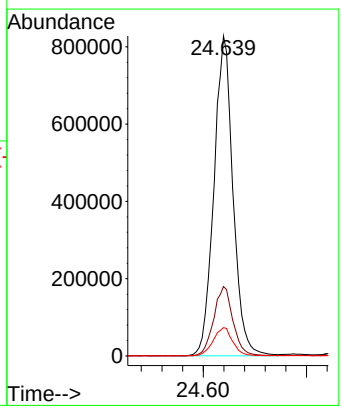


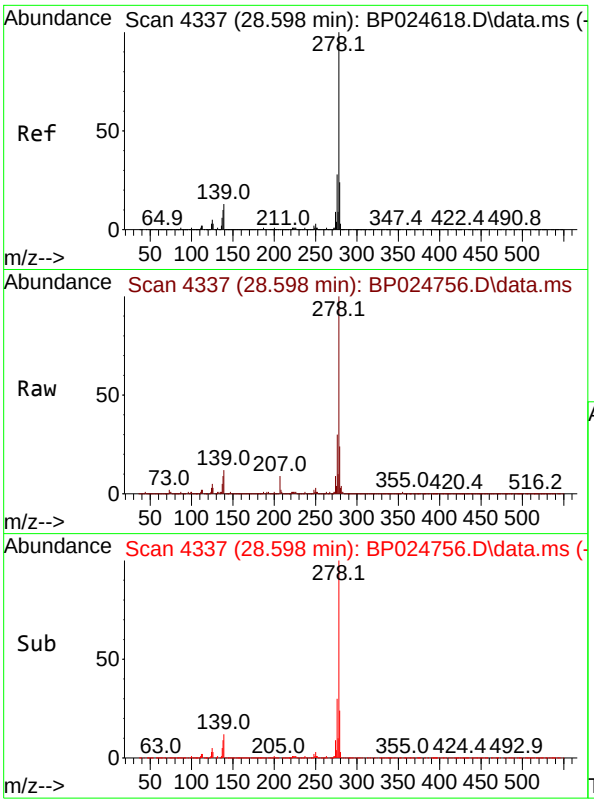


#90
Benzo(a)pyrene
Concen: 46.138 ng
RT: 24.639 min Scan# 3664
Delta R.T. -0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:252 Resp: 2120304

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	8.9	8.1	12.1



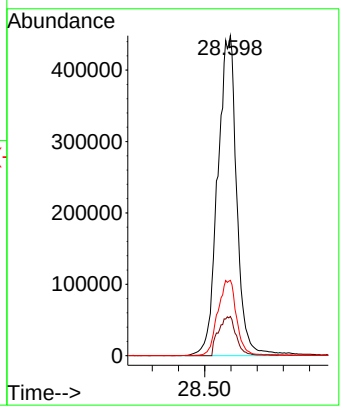


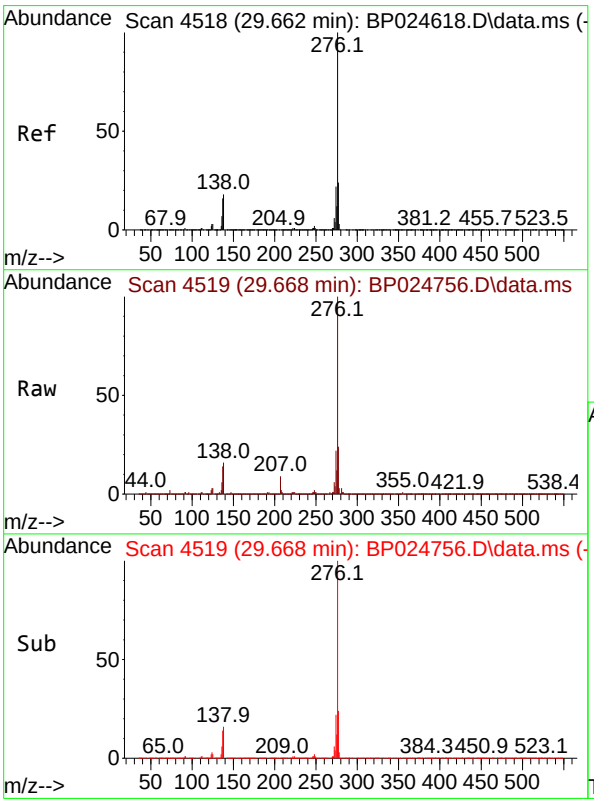
#91
Dibenzo(a,h)anthracene
Concen: 45.246 ng
RT: 28.598 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Tgt Ion:278 Resp: 2246534

Ion	Ratio	Lower	Upper
278	100		
139	12.2	10.2	15.4
279	23.6	19.0	28.4

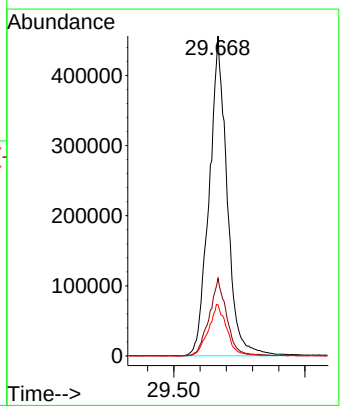




#92
Benzo(g,h,i)perylene
Concen: 43.905 ng
RT: 29.668 min Scan# 4519
Delta R.T. 0.006 min
Lab File: BP024756.D
Acq: 22 May 2025 12:58

Tgt Ion:276 Resp: 2167806

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.0	28.4
138	16.0	14.4	21.6



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Manual Integration Report

Sequence:	BP051325	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP024615.D	4-Nitroaniline	Rahul	5/14/2025 2:19:40 PM	Jagrut	5/14/2025 5:15:55 PM	Peak Integrated by Software
SSTDICC005	BP024615.D	Benzaldehyde	Rahul	5/14/2025 2:19:40 PM	Jagrut	5/14/2025 5:15:55 PM	Peak Integrated by Software
SSTDICC005	BP024615.D	Caprolactam	Rahul	5/14/2025 2:19:40 PM	Jagrut	5/14/2025 5:15:55 PM	Peak Integrated by Software
SSTDICC010	BP024616.D	4-Nitroaniline	Rahul	5/14/2025 2:19:43 PM	Jagrut	5/14/2025 5:16:07 PM	Peak Integrated by Software
SSTDICC010	BP024616.D	Benzaldehyde	Rahul	5/14/2025 2:19:43 PM	Jagrut	5/14/2025 5:16:07 PM	Peak Integrated by Software
SSTDICC010	BP024616.D	Benzidine	Rahul	5/14/2025 2:19:43 PM	Jagrut	5/14/2025 5:16:07 PM	Peak Integrated by Software
SSTDICC010	BP024616.D	Benzoic acid	Rahul	5/14/2025 2:19:43 PM	Jagrut	5/14/2025 5:16:07 PM	Peak Integrated by Software
SSTDICC010	BP024616.D	Caprolactam	Rahul	5/14/2025 2:19:43 PM	Jagrut	5/14/2025 5:16:07 PM	Peak Integrated by Software
SSTDICC010	BP024616.D	Pentachlorophenol	Rahul	5/14/2025 2:19:43 PM	Jagrut	5/14/2025 5:16:07 PM	Peak Integrated by Software
SSTDICC020	BP024617.D	Benzaldehyde	Rahul	5/14/2025 2:19:45 PM	Jagrut	5/14/2025 5:16:09 PM	Peak Integrated by Software
SSTDICC020	BP024617.D	Benzoic acid	Rahul	5/14/2025 2:19:45 PM	Jagrut	5/14/2025 5:16:09 PM	Peak Integrated by Software
SSTDICC020	BP024617.D	Indeno(1,2,3-cd)pyrene	Rahul	5/14/2025 2:19:45 PM	Jagrut	5/14/2025 5:16:09 PM	Peak Integrated by Software
SSTDICCC040	BP024618.D	Benzaldehyde	Rahul	5/14/2025 2:19:48 PM	Jagrut	5/14/2025 5:16:12 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP051325	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICCC040	BP024618.D	Benzoic acid	Rahul	5/14/2025 2:19:48 PM	Jagrut	5/14/2025 5:16:12 PM	Peak Integrated by Software
SSTDICC080	BP024621.D	Indeno(1,2,3-cd)pyrene	Rahul	5/14/2025 2:19:51 PM	Jagrut	5/14/2025 5:16:14 PM	Peak Integrated by Software
SSTDICV040	BP024622.D	Indeno(1,2,3-cd)pyrene	Rahul	5/14/2025 2:19:57 PM	Jagrut	5/14/2025 5:16:17 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP052225	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP024753.D	4-Nitroaniline	Rahul	5/23/2025 12:27:12 PM	Jagrut	5/23/2025 5:03:34 PM	Peak Integrated by Software
SSTDCCC040	BP024753.D	Benzoic acid	Rahul	5/23/2025 12:27:12 PM	Jagrut	5/23/2025 5:03:34 PM	Peak Integrated by Software
PB168098BS	BP024755.D	4-Nitroaniline	Rahul	5/23/2025 12:27:15 PM	Jagrut	5/23/2025 5:03:36 PM	Peak Integrated by Software
PB168098BS	BP024755.D	Benzoic acid	Rahul	5/23/2025 12:27:15 PM	Jagrut	5/23/2025 5:03:36 PM	Peak Integrated by Software
PB168098BSD	BP024756.D	4-Nitroaniline	Rahul	5/23/2025 12:27:18 PM	Jagrut	5/23/2025 5:03:39 PM	Peak Integrated by Software
PB168098BSD	BP024756.D	Benzoic acid	Rahul	5/23/2025 12:27:18 PM	Jagrut	5/23/2025 5:03:39 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP052325	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP024788.D	4-Nitroaniline	Rahul	5/27/2025 10:47:18 AM	Jagrut	5/27/2025 2:39:07 PM	Peak Integrated by Software
SSTDCCC040	BP024788.D	Benzaldehyde	Rahul	5/27/2025 10:47:18 AM	Jagrut	5/27/2025 2:39:07 PM	Peak Integrated by Software
SSTDCCC040	BP024788.D	Benzoic acid	Rahul	5/27/2025 10:47:18 AM	Jagrut	5/27/2025 2:39:07 PM	Peak Integrated by Software
Q2073-02	BP024801.D	Caprolactam	Rahul	5/27/2025 10:47:25 AM	Jagrut	5/27/2025 2:39:12 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP051325

Review By	Rahul	Review On	5/14/2025 2:20:20 PM				
Supervise By	Jagrut	Supervise On	5/14/2025 5:16:42 PM				
SubDirectory	BP051325	HP Acquire Method	BNA_P		HP Processing Method	bp051325	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12664,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024613.D	13 May 2025 10:00	RC/JU	Ok
2	SSTDICC2.5	BP024614.D	13 May 2025 10:41	RC/JU	Ok
3	SSTDICC005	BP024615.D	13 May 2025 11:22	RC/JU	Ok,M
4	SSTDICC010	BP024616.D	13 May 2025 12:03	RC/JU	Ok,M
5	SSTDICC020	BP024617.D	13 May 2025 12:43	RC/JU	Ok,M
6	SSTDICCC040	BP024618.D	13 May 2025 13:24	RC/JU	Ok,M
7	SSTDICC050	BP024619.D	13 May 2025 14:05	RC/JU	Ok
8	SSTDICC060	BP024620.D	13 May 2025 14:45	RC/JU	Ok
9	SSTDICC080	BP024621.D	13 May 2025 15:26	RC/JU	Ok,M
10	SSTDICV040	BP024622.D	13 May 2025 17:01	RC/JU	Ok,M
11	PB167917TB	BP024623.D	13 May 2025 18:23	RC/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP052225

Review By	Rahul	Review On	5/23/2025 12:29:01 PM				
Supervise By	Jagrut	Supervise On	5/23/2025 5:03:58 PM				
SubDirectory	BP052225	HP Acquire Method	BNA_P		HP Processing Method	BP051325	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12666,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024752.D	22 May 2025 09:35	RC/JU	Ok
2	SSTDCCC040	BP024753.D	22 May 2025 10:56	RC/JU	Ok,M
3	PB168098BL	BP024754.D	22 May 2025 11:37	RC/JU	Ok
4	PB168098BS	BP024755.D	22 May 2025 12:18	RC/JU	Ok,M
5	PB168098BSD	BP024756.D	22 May 2025 12:58	RC/JU	Ok,M
6	Q2071-20	BP024757.D	22 May 2025 13:39	RC/JU	Ok
7	Q2075-07	BP024758.D	22 May 2025 14:19	RC/JU	Ok
8	Q2093-01	BP024759.D	22 May 2025 15:00	RC/JU	Ok
9	Q2097-07	BP024760.D	22 May 2025 15:41	RC/JU	Ok
10	Q2097-05	BP024761.D	22 May 2025 16:22	RC/JU	Ok
11	Q2097-09	BP024762.D	22 May 2025 17:02	RC/JU	Ok
12	Q2097-11	BP024763.D	22 May 2025 17:43	RC/JU	Ok
13	Q2097-13	BP024764.D	22 May 2025 18:24	RC/JU	Ok
14	Q2097-15	BP024765.D	22 May 2025 19:04	RC/JU	Ok
15	Q2097-01	BP024766.D	22 May 2025 19:45	RC/JU	Ok
16	Q2088-01	BP024767.D	22 May 2025 20:26	RC/JU	Ok
17	Q2093-14	BP024768.D	22 May 2025 21:07	RC/JU	Dilution
18	DFTPP	BP024769.D	22 May 2025 22:28	RC/JU	Ok
19	SSTDCCC040	BP024770.D	22 May 2025 23:09	RC/JU	Ok
20	PB168092TB	BP024771.D	22 May 2025 23:50	RC/JU	Ok
21	Q2078-03	BP024772.D	23 May 2025 00:30	RC/JU	Ok

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP052225

Review By	Rahul	Review On	5/23/2025 12:29:01 PM				
Supervise By	Jagrut	Supervise On	5/23/2025 5:03:58 PM				
SubDirectory	BP052225	HP Acquire Method	BNA_P		HP Processing Method	BP051325	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12666,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2078-07	BP024773.D	23 May 2025 01:11	RC/JU	Ok
23	Q2078-11	BP024774.D	23 May 2025 01:52	RC/JU	Ok
24	Q2078-15	BP024775.D	23 May 2025 02:32	RC/JU	Ok
25	Q2078-19	BP024776.D	23 May 2025 03:13	RC/JU	Ok
26	Q2079-03	BP024777.D	23 May 2025 03:54	RC/JU	Ok
27	Q2079-07	BP024778.D	23 May 2025 04:34	RC/JU	Ok
28	Q2079-11	BP024779.D	23 May 2025 05:15	RC/JU	Ok
29	Q2084-05	BP024780.D	23 May 2025 05:56	RC/JU	Ok
30	Q2084-05MS	BP024781.D	23 May 2025 06:37	RC/JU	Ok
31	Q2084-05MSD	BP024782.D	23 May 2025 07:17	RC/JU	Ok
32	Q2092-02	BP024783.D	23 May 2025 07:58	RC/JU	Ok
33	Q2093-02	BP024784.D	23 May 2025 08:39	RC/JU	Ok
34	Q2097-02	BP024785.D	23 May 2025 09:19	RC/JU	Ok
35	Q2097-04	BP024786.D	23 May 2025 10:00	RC/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP052325

Review By	Rahul	Review On	5/27/2025 10:49:36 AM				
Supervise By	Jagrut	Supervise On	5/27/2025 2:39:24 PM				
SubDirectory	BP052325	HP Acquire Method	BNA_P		HP Processing Method	BP051325	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12666,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024787.D	23 May 2025 10:59	RC/JU	Ok
2	SSTDCCC040	BP024788.D	23 May 2025 11:40	RC/JU	Ok,M
3	PB168131BL	BP024789.D	23 May 2025 12:20	RC/JU	Ok
4	PB168131BS	BP024790.D	23 May 2025 13:01	RC/JU	Ok,M
5	Q2093-14DL	BP024791.D	23 May 2025 13:45	RC/JU	Ok
6	Q2097-18	BP024792.D	23 May 2025 14:26	RC/JU	Ok
7	Q2097-12	BP024793.D	23 May 2025 15:06	RC/JU	Ok
8	Q2097-16	BP024794.D	23 May 2025 15:47	RC/JU	Ok
9	Q2094-01	BP024795.D	23 May 2025 16:28	RC/JU	Ok
10	Q2094-02	BP024796.D	23 May 2025 17:09	RC/JU	Ok
11	Q2094-03	BP024797.D	23 May 2025 17:49	RC/JU	Ok
12	Q2094-04	BP024798.D	23 May 2025 18:30	RC/JU	Ok
13	Q2094-05	BP024799.D	23 May 2025 19:11	RC/JU	Ok
14	Q2073-01	BP024800.D	23 May 2025 19:51	RC/JU	Ok
15	Q2073-02	BP024801.D	23 May 2025 20:32	RC/JU	Ok,M
16	Q2101-04	BP024802.D	23 May 2025 21:13	RC/JU	Ok
17	Q2095-08	BP024803.D	23 May 2025 21:54	RC/JU	Ok
18	Q2106-01	BP024804.D	23 May 2025 22:34	RC/JU	Ok

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP051325

Review By	Rahul	Review On	5/14/2025 2:20:20 PM		
Supervise By	Jagrut	Supervise On	5/14/2025 5:16:42 PM		
SubDirectory	BP051325	HP Acquire Method	BNA_P	HP Processing Method	bp051325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12664,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024613.D	13 May 2025 10:00		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP024614.D	13 May 2025 10:41		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP024615.D	13 May 2025 11:22	Compound#32-54-56-65-77 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BP024616.D	13 May 2025 12:03		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BP024617.D	13 May 2025 12:43		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BP024618.D	13 May 2025 13:24	Compound#32-54-56 Kept on LR	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BP024619.D	13 May 2025 14:05		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BP024620.D	13 May 2025 14:45		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BP024621.D	13 May 2025 15:26		RC/JU	Ok,M
10	SSTDICV040	ICVBP051325	BP024622.D	13 May 2025 17:01		RC/JU	Ok,M
11	PB167917TB	PB167917TB	BP024623.D	13 May 2025 18:23		RC/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP052225

Review By	Rahul	Review On	5/23/2025 12:29:01 PM		
Supervise By	Jagrut	Supervise On	5/23/2025 5:03:58 PM		
SubDirectory	BP052225	HP Acquire Method	BNA_P	HP Processing Method	BP051325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12666,10ul/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	BP024752.D	22 May 2025 09:35		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024753.D	22 May 2025 10:56		RC/JU	Ok,M
3	PB168098BL	PB168098BL	BP024754.D	22 May 2025 11:37		RC/JU	Ok
4	PB168098BS	PB168098BS	BP024755.D	22 May 2025 12:18		RC/JU	Ok,M
5	PB168098BSD	PB168098BSD	BP024756.D	22 May 2025 12:58		RC/JU	Ok,M
6	Q2071-20	L2-WC-6	BP024757.D	22 May 2025 13:39		RC/JU	Ok
7	Q2075-07	FB-05152025	BP024758.D	22 May 2025 14:19		RC/JU	Ok
8	Q2093-01	SOIL-DRUM	BP024759.D	22 May 2025 15:00		RC/JU	Ok
9	Q2097-07	VNJ-244	BP024760.D	22 May 2025 15:41		RC/JU	Ok
10	Q2097-05	RBR251675	BP024761.D	22 May 2025 16:22		RC/JU	Ok
11	Q2097-09	ETGI-290	BP024762.D	22 May 2025 17:02		RC/JU	Ok
12	Q2097-11	RT3419	BP024763.D	22 May 2025 17:43		RC/JU	Ok
13	Q2097-13	RBR251372	BP024764.D	22 May 2025 18:24		RC/JU	Ok
14	Q2097-15	72-12013	BP024765.D	22 May 2025 19:04		RC/JU	Ok
15	Q2097-01	ETGI-357	BP024766.D	22 May 2025 19:45		RC/JU	Ok
16	Q2088-01	252820	BP024767.D	22 May 2025 20:26		RC/JU	Ok
17	Q2093-14	WATER-COMP	BP024768.D	22 May 2025 21:07	Need 5X Dilution	RC/JU	Dilution
18	DFTPP	DFTPP	BP024769.D	22 May 2025 22:28		RC/JU	Ok

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP052225

Review By	Rahul	Review On	5/23/2025 12:29:01 PM		
Supervise By	Jagrut	Supervise On	5/23/2025 5:03:58 PM		
SubDirectory	BP052225	HP Acquire Method	BNA_P	HP Processing Method	BP051325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12666,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	SSTDCCC040	SSTDCCC040	BP024770.D	22 May 2025 23:09		RC/JU	Ok
20	PB168092TB	PB168092TB	BP024771.D	22 May 2025 23:50		RC/JU	Ok
21	Q2078-03	WC-A4-04-C	BP024772.D	23 May 2025 00:30		RC/JU	Ok
22	Q2078-07	WC-A4-05-C	BP024773.D	23 May 2025 01:11		RC/JU	Ok
23	Q2078-11	WC-A1-06A-C	BP024774.D	23 May 2025 01:52		RC/JU	Ok
24	Q2078-15	WC-A1-07A-C	BP024775.D	23 May 2025 02:32		RC/JU	Ok
25	Q2078-19	WC-A4-06-C	BP024776.D	23 May 2025 03:13		RC/JU	Ok
26	Q2079-03	WC-A2-01-C	BP024777.D	23 May 2025 03:54		RC/JU	Ok
27	Q2079-07	WC-A2-02-C	BP024778.D	23 May 2025 04:34		RC/JU	Ok
28	Q2079-11	WC-A2-03-C	BP024779.D	23 May 2025 05:15		RC/JU	Ok
29	Q2084-05	OR-640-COMP-66	BP024780.D	23 May 2025 05:56		RC/JU	Ok
30	Q2084-05MS	OR-640-COMP-66MS	BP024781.D	23 May 2025 06:37		RC/JU	Ok
31	Q2084-05MSD	OR-640-COMP-66MSD	BP024782.D	23 May 2025 07:17		RC/JU	Ok
32	Q2092-02	VNJ-202	BP024783.D	23 May 2025 07:58		RC/JU	Ok
33	Q2093-02	SOIL-DRUM	BP024784.D	23 May 2025 08:39		RC/JU	Ok
34	Q2097-02	ETGI-357	BP024785.D	23 May 2025 09:19		RC/JU	Ok
35	Q2097-04	RBR200044	BP024786.D	23 May 2025 10:00		RC/JU	Ok

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP052325

Review By	Rahul	Review On	5/27/2025 10:49:36 AM		
Supervise By	Jagrut	Supervise On	5/27/2025 2:39:24 PM		
SubDirectory	BP052325	HP Acquire Method	BNA_P	HP Processing Method	BP051325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12666,10ul/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	BP024787.D	23 May 2025 10:59		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024788.D	23 May 2025 11:40		RC/JU	Ok,M
3	PB168131BL	PB168131BL	BP024789.D	23 May 2025 12:20		RC/JU	Ok
4	PB168131BS	PB168131BS	BP024790.D	23 May 2025 13:01		RC/JU	Ok,M
5	Q2093-14DL	WATER-COMPDL	BP024791.D	23 May 2025 13:45		RC/JU	Ok
6	Q2097-18	RT-3888	BP024792.D	23 May 2025 14:26		RC/JU	Ok
7	Q2097-12	RT3419	BP024793.D	23 May 2025 15:06		RC/JU	Ok
8	Q2097-16	72-12013	BP024794.D	23 May 2025 15:47		RC/JU	Ok
9	Q2094-01	COMP-1	BP024795.D	23 May 2025 16:28		RC/JU	Ok
10	Q2094-02	COMP-2	BP024796.D	23 May 2025 17:09		RC/JU	Ok
11	Q2094-03	COMP-3	BP024797.D	23 May 2025 17:49		RC/JU	Ok
12	Q2094-04	COMP-4	BP024798.D	23 May 2025 18:30		RC/JU	Ok
13	Q2094-05	COMP-5	BP024799.D	23 May 2025 19:11		RC/JU	Ok
14	Q2073-01	GDW1	BP024800.D	23 May 2025 19:51		RC/JU	Ok
15	Q2073-02	GDW2	BP024801.D	23 May 2025 20:32		RC/JU	Ok,M
16	Q2101-04	TP-1-MHE	BP024802.D	23 May 2025 21:13		RC/JU	Ok
17	Q2095-08	WCS-TP2	BP024803.D	23 May 2025 21:54		RC/JU	Ok
18	Q2106-01	TW-WTS-09	BP024804.D	23 May 2025 22:34		RC/JU	Ok

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP052325

Review By	Rahul	Review On	5/27/2025 10:49:36 AM		
Supervise By	Jagrut	Supervise On	5/27/2025 2:39:24 PM		
SubDirectory	BP052325	HP Acquire Method	BNA_P	HP Processing Method	BP051325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12666,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168098

SOP ID:	M3510C,3580A-Extraction SVOC-20				
Clean Up SOP #:	N/A			**Extraction Start Date :**	05/21/2025
Matrix :	Water			**Extraction Start Time :**	08:40
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	05/21/2025
Balance check:	N/A	**Filter By:**	RJ	**Extraction End Time :**	13:40
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3880	**Hood ID:**	4,6,7	**Supervisor By :**	RUPESH

Extraction Method: [√] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6782
Surrogate	1.0ML	100/150 PPM	SP6754
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3930
Baked Na2SO4	N/A	EP2614
10N NaoH	N/A	EP2609
H2SO4 1:1	N/A	EP2610
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210443. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/21/25	RS (GLA Lab)	RC/SVOC
13:45	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168098

Analytical Method: M3510C,3580A-Extraction SVOC-20 **Concentration Date:** 05/21/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168098BL	SBLK098	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			SEP-1
PB168098BS	SLCS098	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			2
PB168098BSD	SLCSD098	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			3
Q2073-01	GDW1	SVOCMS Group2	980	6	RUPESH	ritesh	1	C		4
Q2073-02	GDW2	SVOCMS Group2	970	6	RUPESH	ritesh	1	C		5
Q2075-07	FB-05152025	SVOCMS Group3	810	6	RUPESH	ritesh	1	C		6
Q2075-08	FB-05162025	SVOCMS Group3	940	6	RUPESH	ritesh	1	C		7
Q2088-01	252820	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	O		8
Q2093-14	WATER-COMP	SVOC-TCL BNA -20	990	6	RUPESH	ritesh	1	N		9

RS
5/21

* **Extracts relinquished on the same date as received.**

68098
8:40

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2073 **WorkList ID :** 189663 **Department :** Extraction **Date :** 05-21-2025 08:34:26

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2073-01	GDW1	Water	SVOCMS Group2	Cool 4 deg C	GENV01	L41	05/16/2025	8270E
Q2073-02	GDW2	Water	SVOCMS Group2	Cool 4 deg C	GENV01	L41	05/16/2025	8270E
Q2075-07	FB-05152025	Water	SVOCMS Group3	Cool 4 deg C	CAMP02	L41	05/15/2025	8270E
Q2075-08	FB-05162025	Water	SVOCMS Group3	Cool 4 deg C	CAMP02	L41	05/16/2025	8270E
Q2088-01	252820	Water	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	05/20/2025	8270E
Q2093-14	WATER-COMP	Water	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/20/2025	8270E

Date/Time 5/21/25 8:35
Raw Sample Received by: RJ (EXA-Lab)
Raw Sample Relinquished by: CP SM

Date/Time 5/21/25 9:20
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RJ (EXA-Lab)

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Prep Standard - Chemical Standard Summary

Order ID : Q2073

Test : SVOCMS Group2

Prepbatch ID : PB168098,

Sequence ID/Qc Batch ID: BP052225,BP052325,

Standard ID :
EP2609,EP2610,EP2614,SP6754,SP6757,SP6769,SP6770,SP6782,SP6783,SP6784,SP6785,SP6786,SP6787,SP6788,SP6789,SP6790,SP6791,

Chemical ID :
10ul/1000ul sample,E3551,E3657,E3902,E3904,E3921,E3926,E3930,M6157,S10104,S10399,S10584,S11143,S11162,S11484,S11496,S11650,S11788,S11789,S11790,S11798,S11799,S12115,S12190,S12191,S12192,S12193,S12194,S12195,S12209,S12210,S12211,S12212,S12213,S12214,S12215,S12216,S12271,S12277,S12486,S12488,S12489,S12490,S12491,S12492,S12493,S12494,S12495,S12496,S12534,S12535,S12536,S12537,S12538,S12539,S12540,S12541,S12542,S12577,S12658,S12662,S12666,S12793,S12974,S12976,S12977,S12978,S12979,S12980,S12981,S12982,S12983,S13078,W3112,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1874	10 N SODIUM HYDROXIDE SOLN	EP2609	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/07/2025

FROM 1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
314	1.1 H2SO4 SOLN	EP2610	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/07/2025

FROM 1000.00000ml of M6157 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2614	05/19/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/19/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6754	03/18/2025	09/18/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/03/2025

FROM 1930.00000ml of E3902 + 2.60000ml of S12216 + 2.70000ml of S12195 + 5.20000ml of S12210 + 5.30000ml of S12192 + 5.30000ml of S12194 + 5.30000ml of S12209 + 5.30000ml of S12211 + 5.30000ml of S12212 + 5.30000ml of S12213 + 5.40000ml of S12190 + 5.40000ml of S12214 + 5.60000ml of S12191 + 5.60000ml of S12215 + 5.70000ml of S12193 = Final Quantity: 2000.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6757	03/31/2025	09/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/01/2025

FROM 1.00000ml of S12577 + 19.00000ml of E3904 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	SP6769	04/10/2025	09/10/2025	Jagrut Upadhyay	None	None	Sohil Jodhani 04/16/2025

FROM 0.04000ml of S12195 + 0.08000ml of S12216 + 0.10000ml of S11788 + 0.20000ml of S12486 + 0.20000ml of S12534 + 0.20000ml of S12974 + 1.18000ml of E3926 = Final Quantity: 2.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	SP6770	04/10/2025	09/10/2025	Jagrut Upadhyay	None	None	Sohil Jodhani 04/16/2025

FROM 0.01000ml of S12658 + 0.60000ml of E3926 + 0.40000ml of SP6769 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	SP6782	04/30/2025	05/31/2025	Rahul Chavli	None	None	Jagrut Upadhyay 05/15/2025

FROM 0.10000ml of S12488 + 0.20000ml of S12534 + 0.20000ml of S12983 + 0.40000ml of S10399 + 0.40000ml of S10584 + 0.40000ml of S11143 + 0.40000ml of S11484 + 0.40000ml of S11650 + 0.50000ml of S12542 + 0.80000ml of S12974 + 1.00000ml of S12496 + 1.10000ml of S11789 + 1.10000ml of S12492 + 1.20000ml of S11799 + 1.20000ml of S12491 + 1.20000ml of S12493 + 1.20000ml of S12976 + 1.20000ml of S12980 + 1.20000ml of S12982 + 1.30000ml of S11798 + 1.30000ml of S12490 + 1.30000ml of S12495 + 1.30000ml of S12535 + 1.30000ml of S12537 + 1.30000ml of S12538 + 1.30000ml of S12540 + 1.30000ml of S12541 + 1.30000ml of S12979 + 1.30000ml of S12981 + 1.40000ml of S11790 + 1.40000ml of S12489 + 1.40000ml of S12494 + 1.40000ml of S12536 + 1.40000ml of S12539 + 1.40000ml of S12977 + 1.40000ml of S12978 + 163.00000ml of E3921 = Final Quantity: 200.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3764	8270/625 Stock solution 100 ng	SP6783	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.26700ml of S10104 + 0.40000ml of S11496 + 0.50000ml of S12115 + 1.00000ml of S11162 + 1.00000ml of S12271 + 1.00000ml of S12277 + 1.00000ml of S12793 + 1.00000ml of S13078 + 3.83300ml of E3930 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
413	80 ng BNA ICC, 80 PPM	SP6784	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.20000ml of E3930 + 0.80000ml of SP6783 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
412	60 ng BNA ICC, 60 PPM	SP6785	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.40000ml of E3930 + 0.60000ml of SP6783 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
411	50 ng BNA ICC, 50 PPM	SP6786	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.50000ml of E3930 + 0.50000ml of SP6783 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
410	40 ng BNA ICC, 40 PPM	SP6787	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.60000ml of E3930 + 0.40000ml of SP6783 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3678	20 ng BNA ICC, 20 PPM	SP6788	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.80000ml of E3930 + 0.20000ml of SP6783 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
407	5 ng BNA ICC, 5 PPM	SP6789	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.95000ml of E3930 + 0.05000ml of SP6783 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
408	10 ng BNA ICC, 10 PPM	SP6790	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.90000ml of E3930 + 0.10000ml of SP6783 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
175	2.5 ng BNA ICC, 2.5 PPM	SP6791	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.50000ml of E3930 + 0.50000ml of SP6789 = Final Quantity: 1.010 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19510-5 / Sodium Hydroxide Pellets 2.5 Kg, Pk of 4	23B1556310	12/31/2025	12/04/2023 / Rajesh	12/01/2023 / Rajesh	E3657

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	09/18/2025	03/18/2025 / RUPESH	02/12/2025 / RUPESH	E3902

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	01/07/2026	03/13/2025 /	12/27/2024 / RUPESH	E3904

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	6789	09/24/2025	03/14/2025 / Rajesh	03/13/2025 / Rajesh	E3921

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	10/08/2025	04/08/2025 / Rajesh	02/07/2025 / Rajesh	E3926

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	02/20/2026	05/02/2025 / RUPESH	03/09/2025 / RUPESH	E3930

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	24i1262013	11/07/2025	05/07/2025 / RUPESH	02/18/2025 / Mohan	M6157

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	07/30/2025	01/30/2025 / anahy	12/09/2021 / Christian	S10104

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0185300	05/31/2025	04/30/2025 / Rahul	05/18/2022 / Christian	S10399

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0186373	06/30/2025	01/29/2025 / anahy	07/05/2022 / Christian	S10584

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0194702	07/29/2025	01/29/2025 / anahy	02/20/2023 / Christian	S11143

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	06/21/2025	05/05/2025 / Jagrut	03/06/2023 / Christian	S11162

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0200549	10/30/2025	04/30/2025 / Rahul	08/10/2023 / yogesh	S11484

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml	506889	10/28/2025	04/28/2025 / Jagrut	08/11/2023 / Yogesh	S11496

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0201728	07/29/2025	01/29/2025 / anahy	11/09/2023 / Yogesh	S11650

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	09/10/2025	03/10/2025 / anahy	11/21/2023 / Rahul	S11788

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	10/25/2025	04/25/2025 / Jagrut	11/21/2023 / Rahul	S11789

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	10/30/2025	04/30/2025 / Rahul	11/21/2023 / Rahul	S11790

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	10/30/2025	04/30/2025 / Rahul	11/21/2023 / rahul	S11798

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	10/30/2025	04/30/2025 / Rahul	11/21/2023 / rahul	S11799

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	10/28/2025	04/28/2025 / Jagrut	03/08/2024 / Rahul	S12115

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12190

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12191

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12192

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12193

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12194

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12195

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12209

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12210

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12211

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12212

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12213

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12214

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12215

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12216

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	520963	10/28/2025	04/28/2025 / Jagrut	05/24/2024 / Rahul	S12271

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	11/05/2025	05/05/2025 / Jagrut	05/24/2024 / Rahul	S12277

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12486

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	10/25/2025	04/25/2025 / Jagrut	07/23/2024 / RAHUL	S12488

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12489

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12490

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12491

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12492

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12493

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12494

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12495

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12496

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	10/10/2025	04/10/2025 / Jagrut	07/23/2024 / RAHUL	S12534

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	11/01/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12535

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	11/01/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12536

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	11/01/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12537

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	11/01/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12538

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	11/01/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12539

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	11/01/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12540

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	11/01/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12541

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12542

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	A0212955	06/30/2027	03/31/2025 / Rahul	08/01/2024 / Rahul	S12577

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	04/30/2030	04/07/2025 / anahy	09/20/2024 / anahy	S12658

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	11/01/2025	05/01/2025 / Rahul	09/20/2024 / anahy	S12662

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	11/21/2025	05/21/2025 / Rahul	09/20/2024 / anahy	S12666

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	06/21/2025	05/05/2025 / Jagrut	05/24/2024 / Rahul	S12793

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12974

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	04/30/2025 / Rahul	12/11/2024 / anahy	S12976

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	04/30/2025 / Rahul	12/11/2024 / anahy	S12977

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	04/30/2025 / Rahul	12/11/2024 / anahy	S12978

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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	09/30/2025	04/30/2025 / Rahul	12/11/2024 / anahy	S12979

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	04/30/2025 / Rahul	12/11/2024 / anahy	S12980

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	04/30/2025 / Rahul	12/11/2024 / anahy	S12981

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	04/30/2025 / Rahul	12/11/2024 / anahy	S12982

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	04/30/2025 / Rahul	12/11/2024 / anahy	S12983

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	525551	11/05/2025	05/05/2025 / Jagrut	03/10/2025 / anahy	S13078

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
02/07/23
by
CG
S11089
to
S11093

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090-04	440246	≤ -10 °C	Methylene Chloride	2/16/2026	CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d_4	93951-73-6	99.3	248.12.7P	7487 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d6	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

Received on
02/25/21
by
CG

S9236
to
S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Erica Castiglione

Erica Castiglione
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 05/19/22

S10393 to S10402

Catalog No. : 555871 **Lot No.:** A0185300

Description : Custom 4-Nitrophenol Standard

Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2025 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	4-Nitrophenol	25,060.0 µg/mL	+/- 231.9100 µg/mL	Gravimetric
	CAS # 100-02-7 (Lot MKCN1089)		+/- 753.2622 µg/mL	Unstressed
	Purity 99%		+/- 905.6020 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Katelyn McGinnis - Operations Tech I

Date Mixed: 16-May-2022 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

RESTEK®
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CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by
CG
on
07/05/22
S 10583
to
S 10592

Catalog No. : 555868 **Lot No.:** A0186373

Description : Custom Benzidine Standard

Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Benzidine	25,200.0 µg/mL	+/- 233.2055 µg/mL	Gravimetric
	CAS # 92-87-5 (Lot 220511RSR)		+/- 351.6606 µg/mL	Unstressed
	Purity 99%		+/- 512.6054 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 16-Jun-2022 **Balance:** 1122030677

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555869 **Lot No.:** A0194702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	Hexachlorocyclopentadiene	77-47-4	0012019	99%	25,008.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek Registered Quality Certificate #FM

tified Reference Material Notes

:es:

n date valid for unopened ampul stored in compliance with the recommended conditions.

nty, concentration, and expiration of the CRM are based on the unopened product being stored according to the ended condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, LC/MS, RI, and/or melting point.

nds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the mpound in solution.

isomeric compounds is reported as the sum of the isomers.

lues are rounded to the nearest whole number.

rtainty Value Notes:

rtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded ty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability ty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

erage factor of 2, which gives a level of confidence of approximately 95%.

ged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure nimum packaged amount can be sufficiently transferred.

Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily traceable weights, and/or dilutions with Class A glassware.

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through ion displayed on the product label and certificate. Contact Restek for additional opened product stability ı, with the knowledge/understanding that open product stability is subject to the specific handling and ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with ards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom m. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, des complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by RB on 7/24/23 E3551

VWR®

Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Pellets

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	<= 0.005 %	<0.005 %	PASS
Chloride	<= 0.005 %	0.002 %	PASS
Heavy Metals	<= 0.002 %	<0.002 %	PASS
Iron	<= 0.001 %	<0.001 %	PASS
Magnesium	<= 0.002 %	<0.002 %	PASS
Mercury	<= 0.1 ppm	<0.1 ppm	PASS
Nickel	<= 0.001 %	<0.001 %	PASS
Nitrogen Compounds	<= 0.001 %	<0.001 %	PASS
Phosphate	<= 0.001 %	<0.001 %	PASS
Potassium	<= 0.02 %	<0.02 %	PASS
Purity	>= 97.0 %	99.2 %	PASS
Sodium Carbonate	<= 1.0 %	0.5 %	PASS
Sulfate	<= 0.003 %	<0.003 %	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

E 3657	E 3659
E 3654	E 3660

PO: PO2-798 PRODUCT CODE: SHIP DATE: 12/9/2024

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3902

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

PO: PO2-1308 PRODUCT CODE: SHIP DATE: 2/7/25

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3926

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

PO: PO2-1178.2 PRODUCT CODE: SHIP DATE: 1/20/2025

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3930

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

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

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor | J.T.Baker

M615 MB

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

J Croak

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

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

S11484 ↓ S11493 Y.P. 08/10/23

Catalog No. : 555870 **Lot No.:** A0200549

Description : Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	25,008.0 µg/mL	+/- 777.3323

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician

Date Mixed: 02-Aug-2023 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
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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

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:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

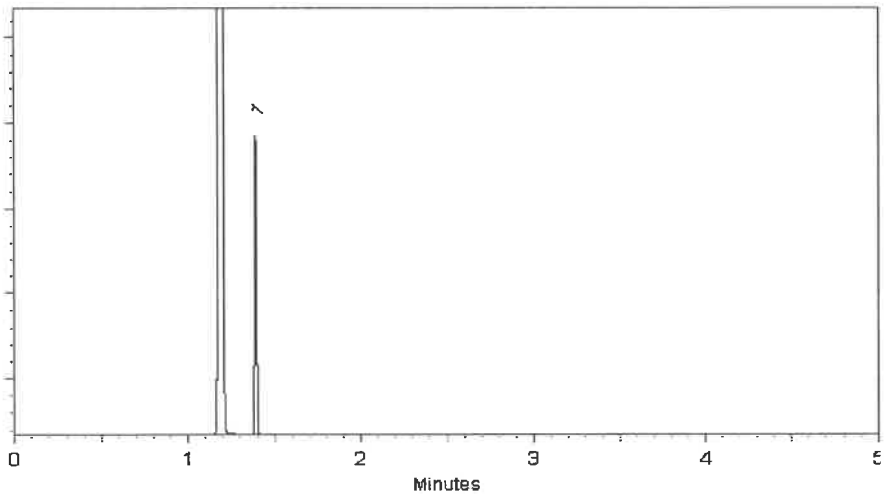
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

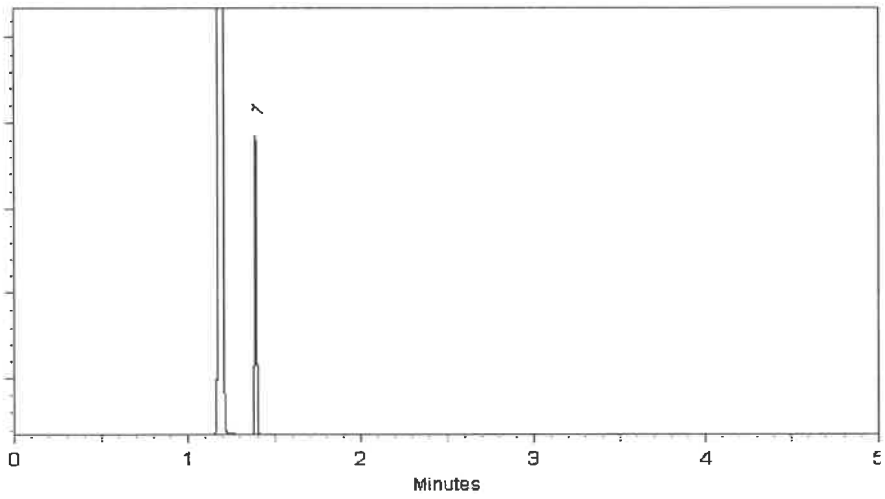
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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.)

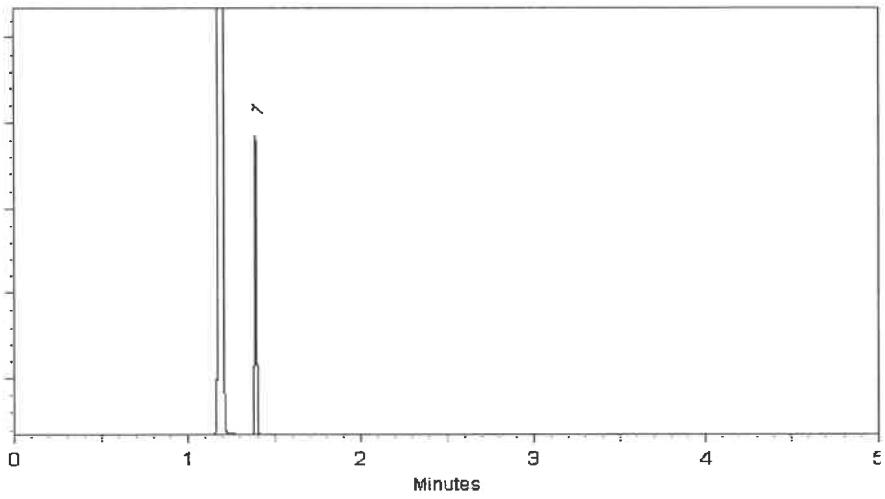
Inj. Temp:
250°C

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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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

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

S11795 ↓ S11808 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	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.)

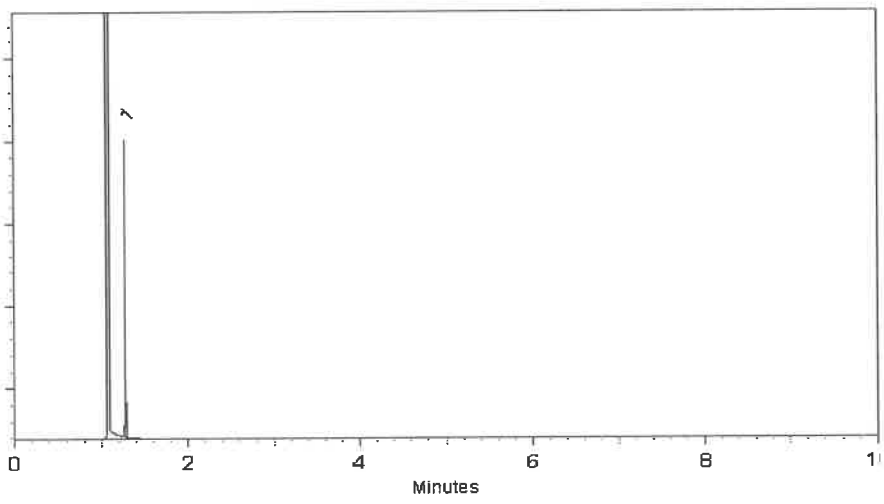
Inj. Temp:
250°C

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.

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0200655

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

S11795 ↓ S11808 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	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.)

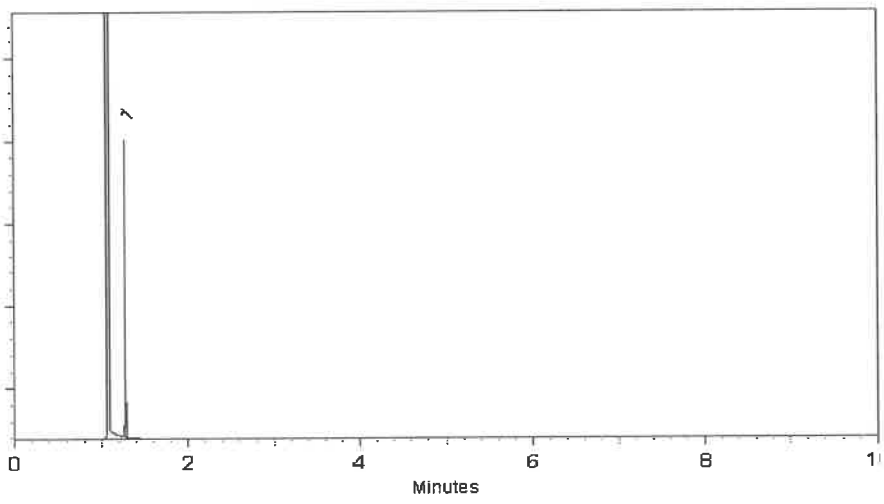
Inj. Temp:
250°C

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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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

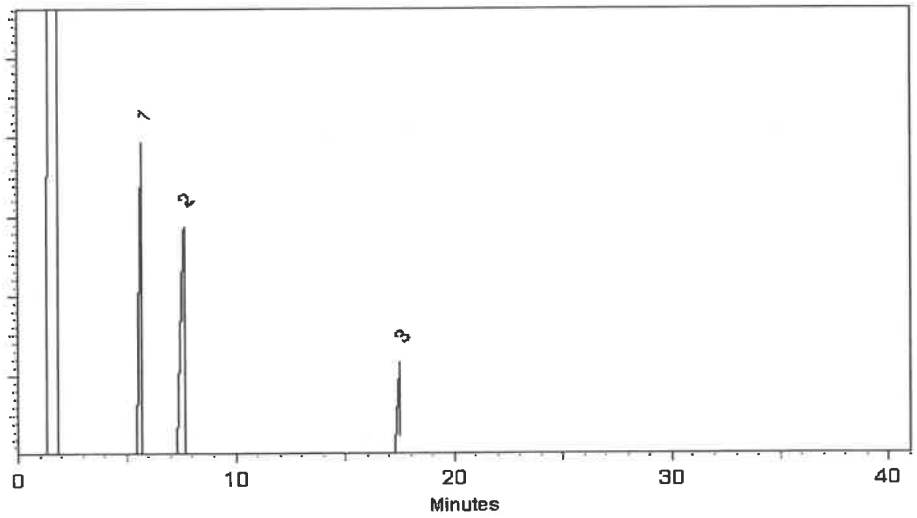
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

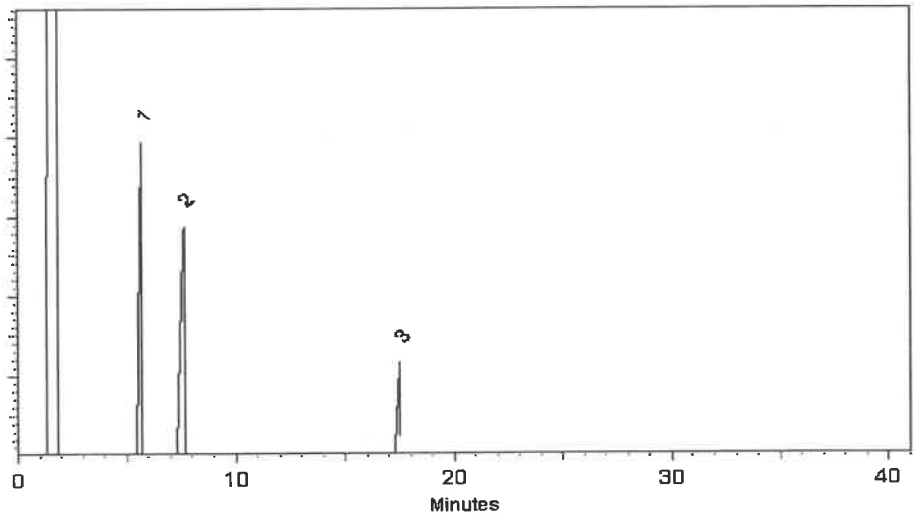
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

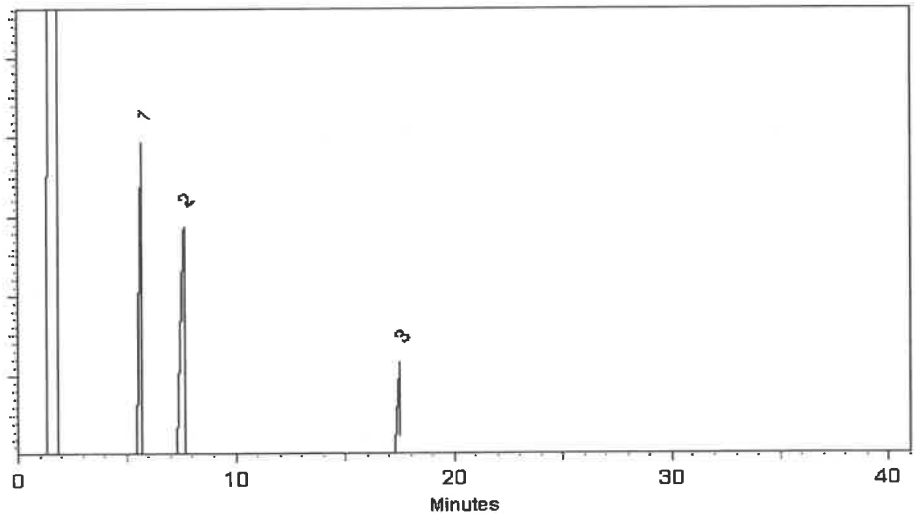
Inj. Temp:
250°C

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

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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:
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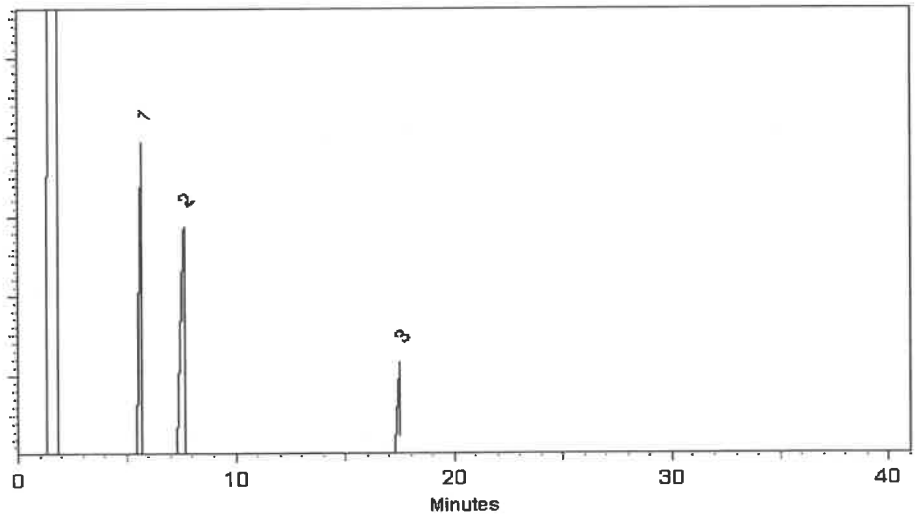
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

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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
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* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

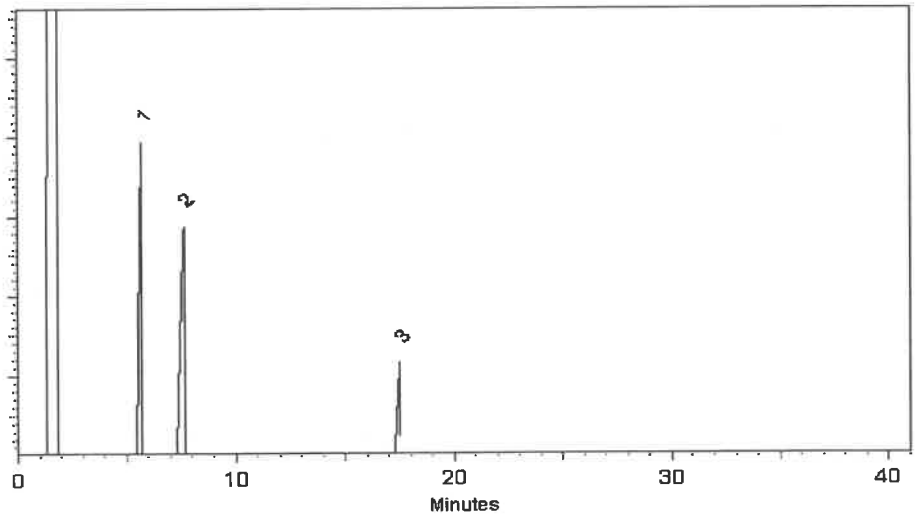
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

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Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
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* 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.)

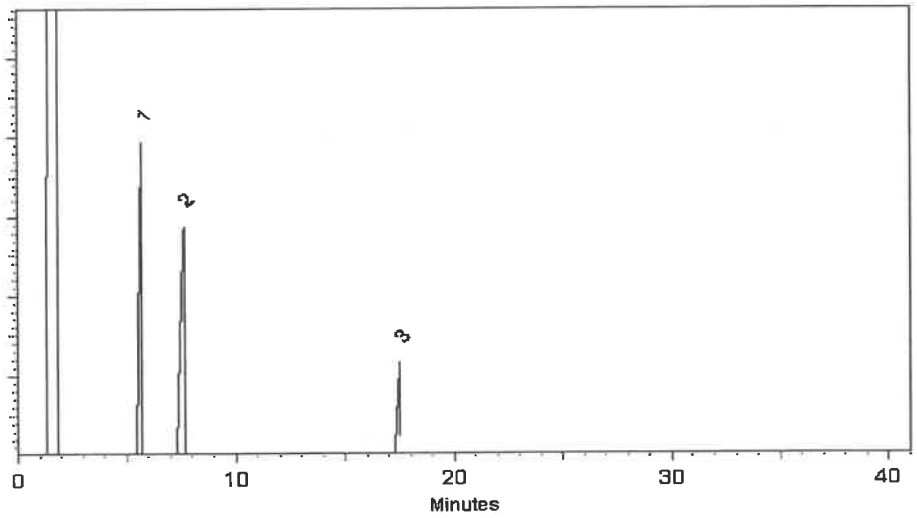
Inj. Temp:
250°C

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

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

S12207 ↓ S12221 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

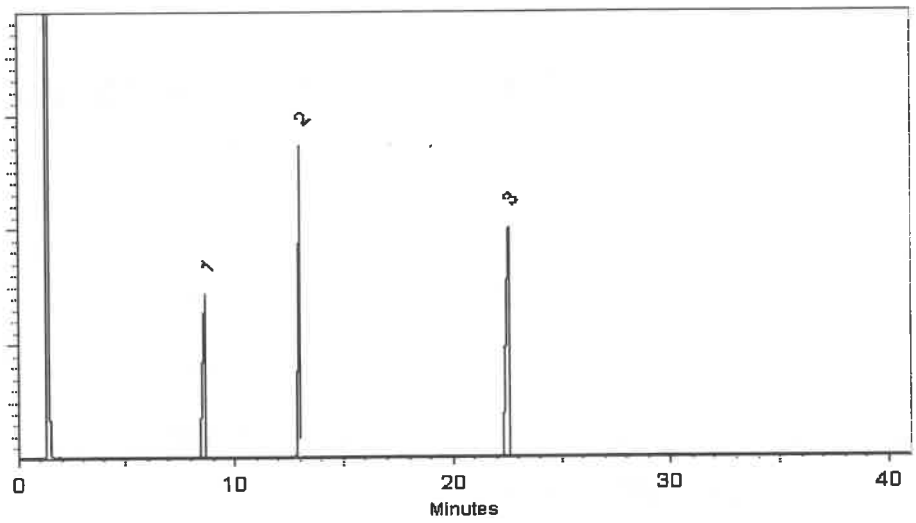
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

S12207 ↓ S12221 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

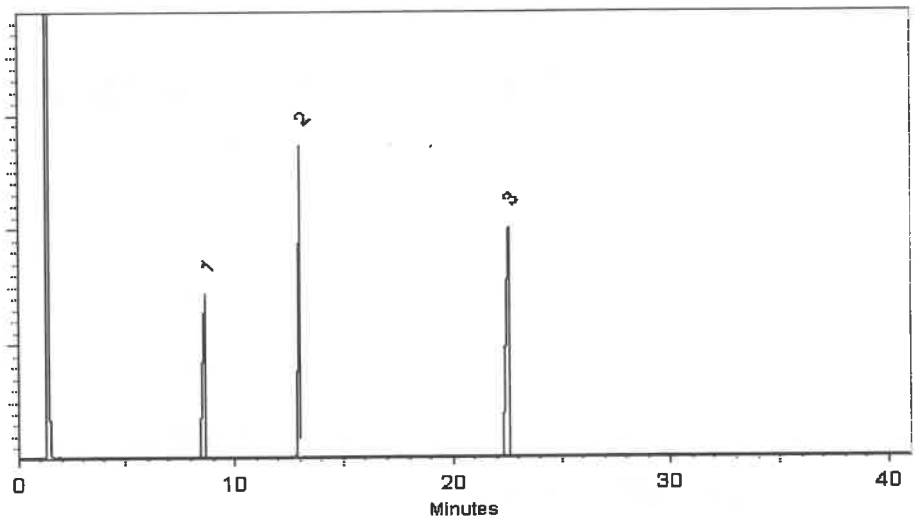
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

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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

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

S12207 ↓ S12221 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
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3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

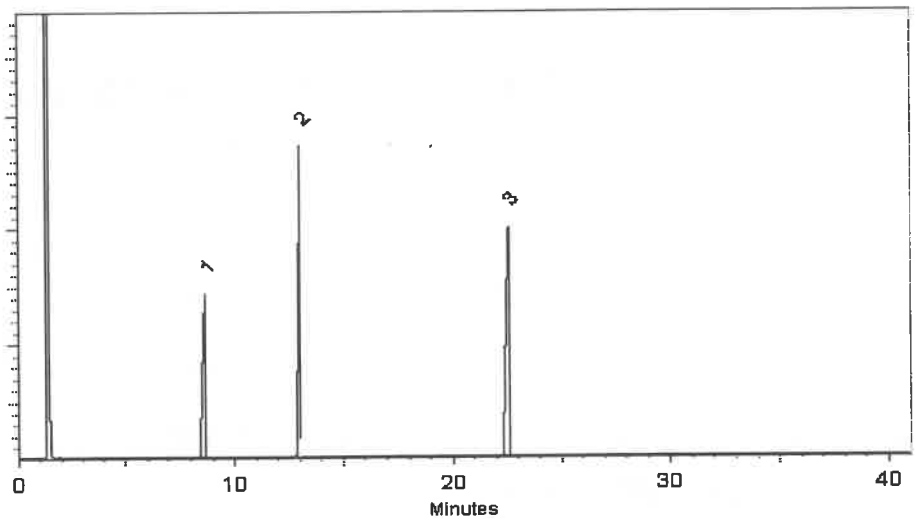
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

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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

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

S12207 ↓ S12221 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
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Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

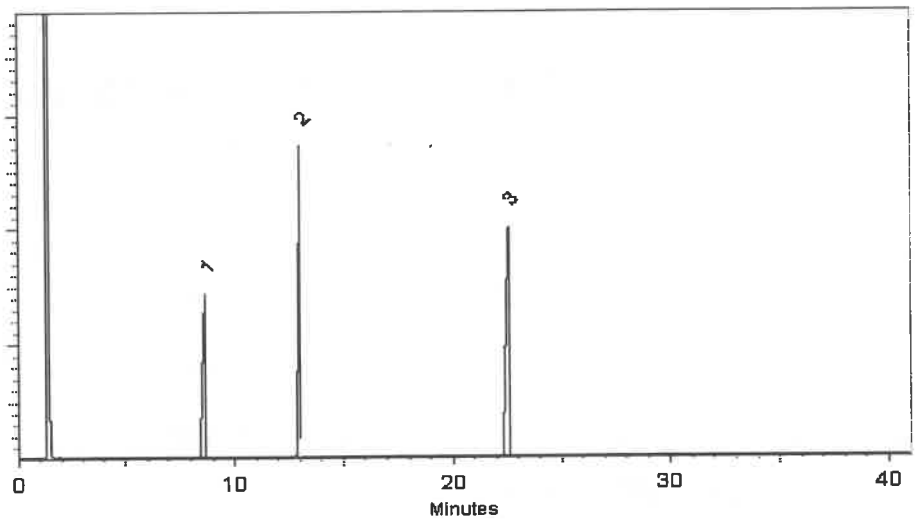
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

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Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

S12207 ↓ S12221 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

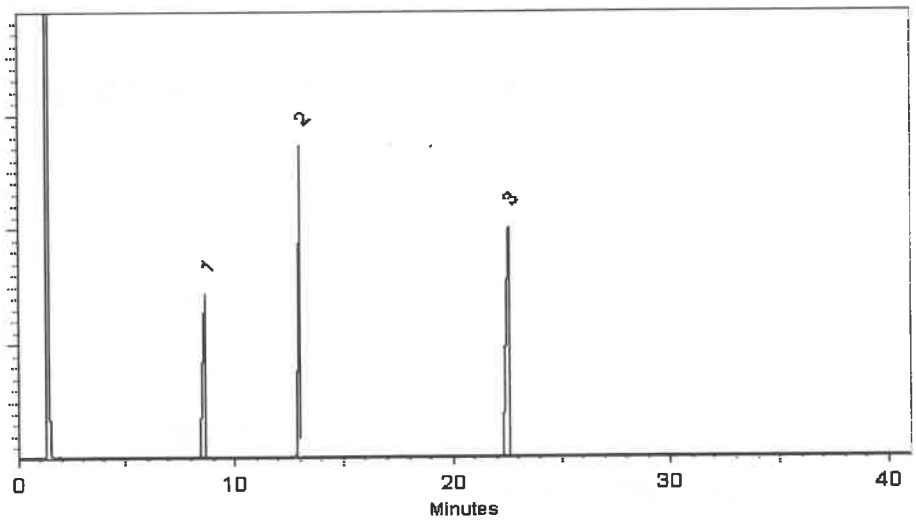
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

S12207 ↓ S12221 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

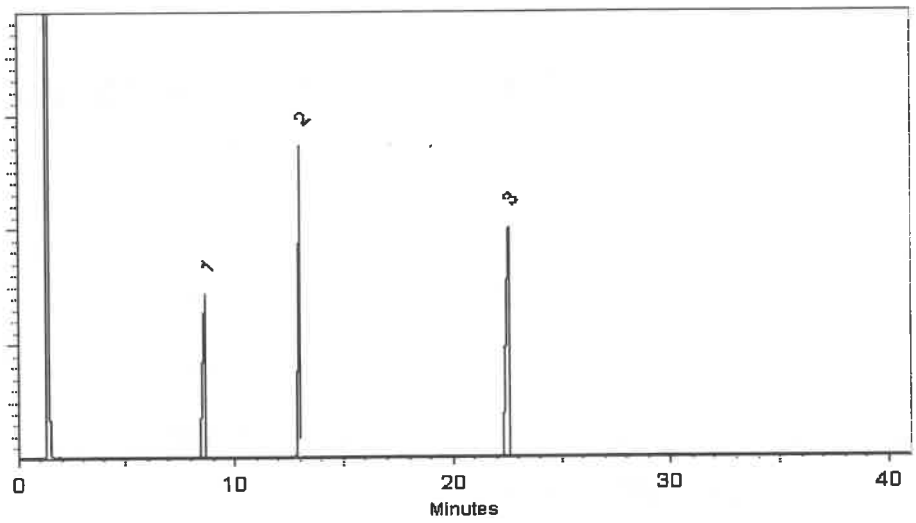
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

S12207 ↓ S12221 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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30m x 0.25mm x 0.25µm
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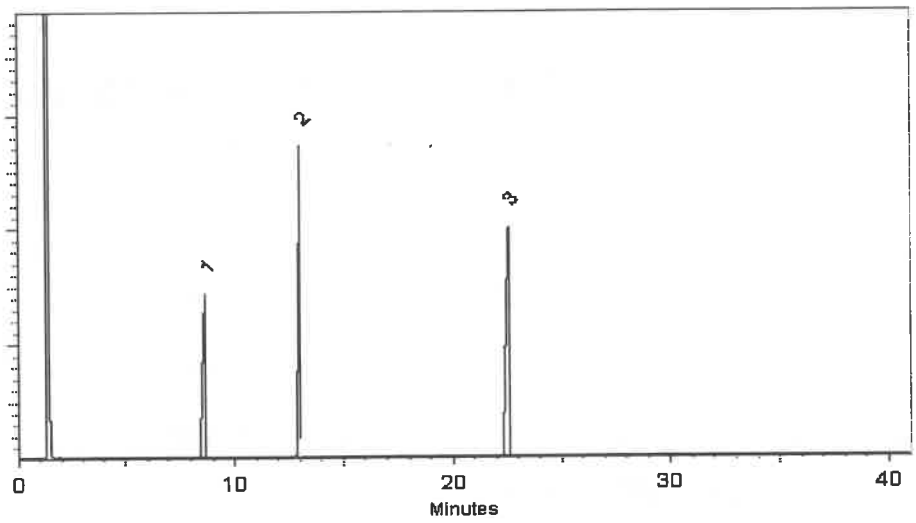
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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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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Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

S12207 ↓ S12221 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
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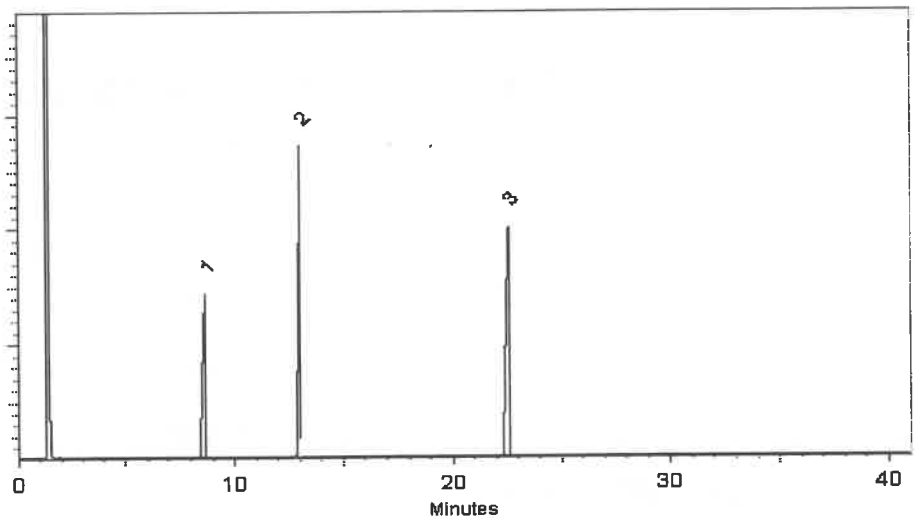
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250°C

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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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5580 Skylane Blvd
Santa Rosa, CA 95403

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(800)878-7654 Toll Free
(707)545-7901 Fax

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Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	520963	≤ -10 °C	Methylene Chloride	10/10/2028	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1010 ± 9.89
acenaphthylene	208-96-8	97.6	14.290.1P	1014 ± 9.93
aniline	62-53-3	99.97	64.1.4P	1001 ± 9.8
anthracene	120-12-7	99.5	15.7.1P	999.6 ± 9.79
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 9.8
benzo[a]anthracene	56-55-3	100	16.7.3P	1007 ± 9.86
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1011 ± 14.11
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 10.96
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 13.95
benzo[a]pyrene	50-32-8	97	20.286.2P	999.9 ± 22.24
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 9.82
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	1000 ± 14.69
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1003 ± 13.89
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.15P	999.4 ± 14.68
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 9.8
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 17.03
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1.1P	1000 ± 13.85
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 16.79
carbazole	86-74-8	99.4	239.7.2P	1000 ± 9.8

S12270 ↓ S12274 } RC 05/24/24

*Not a certified value

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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Manufacturer's Quality System
Audited & Registered
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Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

S12275 ↓ S12279 } RC/ 05/24/24

*Not a certified value

Certified By: S. Hunter

Scott Hunter
Chemist

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- 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

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
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Certified Uncertainty Value Notes:

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$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

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Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

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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

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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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RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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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

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Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
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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

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Solvent: Methylene chloride
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Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

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Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Purity 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.
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Manufacturing 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.

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- Purity values are rounded to the nearest whole number.

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31615 **Lot No.:** A0212955

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,004.5 µg/mL	+/- 44.8902
2	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	1,004.5 µg/mL	+/- 44.8902
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 44.9572
4	4,4'-DDT	50-29-3	S240530RSR	97%	1,000.1 µg/mL	+/- 44.6922

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12577 ↓ S12579 RC 8/2/24

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

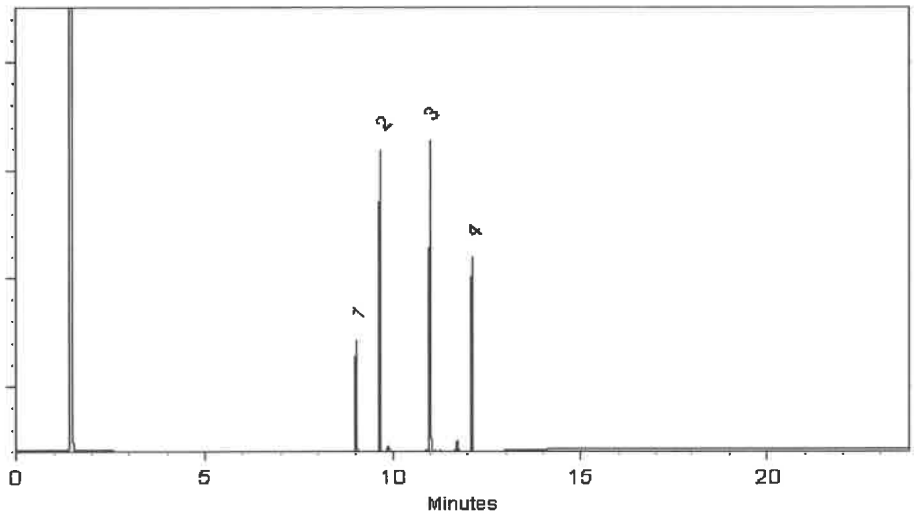
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 19-Jun-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

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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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Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤-10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

~~S12280~~ ↓ ~~S12284~~ RCI 05/24/24

New numbers Generated.

S12790 ↓ S12794 RCI 11/12/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302



54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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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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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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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302



54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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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-010074-07	525551	-18°C +/- 4°C	Methylene Chloride	9/3/2029	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	97.9	74.421.2P	994.7 ± 30.56

This RM is intended for use as a calibration standard or a quality control standard for chromatography equipment such as GC, GC/MS, HPLC, and HPLC/MS. It may also be used for various USEPA, NIOSH and ASTM methods.

Recommended storage container for ampuled products after opening is a 12 mm x 32 mm amber vial with screw cap Teflon lined silicon septum. The modeled % change per day can be calculated using the following:

$$\% \text{ Change} = 116192x^{-2.578} + 40.383e^{-0.03y}$$

where x = boiling point of the most volatile analyte in the mix (in degrees K)
y = boiling point of the solvent (in degrees K)

This model assumes the container is stored at -10 °C and is unopened during storage. The user should determine what the acceptable error for their process is and calculate the maximum number of days the opened ampule should be stored. The minimum sample size recommended for use is 1µL.

S13078 ↓ S13087 } AC 3/10/25

Manufactured by

Raevyn Steele
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

*Not a certified valu



SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2073
COC Number 2047005

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Environmental
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE: NJ ZIP: 07876
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Nelson
PROJECT NO.: LOCATION:
PROJECT MANAGER: BL
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Environmental PO#:
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE: NJ ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): Standard 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)
- X NJ Reduced
- ☐ US EPA CLP
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other
- X EDD FORMAT Excel, edd NJDep

ANALYSIS

1. TCL VOCs
2. BNAS
3. Low Level Pb

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1 (Hcl)	2 (N)	3 (Ice)	4	5	6	7	8	9	COMMENTS
1.	GDW1	GW		X	5/16/25	1200	4	X	X	X							
2.	GDW2	GW		X	5/16/25	1315	4	X	X	X							
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	5/16/25 1440	1. IT
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ✓ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.6 °C
Comments: IT-Cus #1

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2073 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 5/16/2025 2:51:00 PM
Project Name : Nelson
Receive DateTime : 5/16/2025 2:40:00 PM
Purchase Order :

Project Mgr :
Report Type : ~~Level I~~ NJ Reduce
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
Q2073-01	GDW1	Water	05/16/2025	12:00						
					VOCMS Group1		8260-Low	10 Bus. Days		
Q2073-02	GDW2	Water	05/16/2025	13:15						
					VOCMS Group1		8260-Low	10 Bus. Days		

Stored in VOA
Ref # 04

Relinguished By : [signature]
Date / Time : 5/16/25 15:25

Received By : [signature]
Date / Time : 5-16-25 15:25

Storage Area : VOA Refridgerator Room