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Cover Page

Order ID : Q1762

Project ID : ANN

Client : G Environmental

Lab Sample Number	Client Sample Number
Q1762-01	MW4
Q1762-02	MW5

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

Signature : _____

Date: 4/19/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

G Environmental
Project Name: ANN
Project # N/A
Chemtech Project # Q1762
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
2 Water samples were received on 04/09/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for SVOC-TCL BNA -20.

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

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

The RPD for {PB167564BSD} with File ID: BP024323.D met criteria except for Benzo(g,h,i)perylene[24%], Di-n-octyl phthalate[23%], due to difference in results of MS and MSD.

The Blank Spike for {PB167564BS} with File ID: BP024322.D met requirements for all samples except for 2,4-Dimethylphenol[137%], 3,3-Dichlorobenzidine[56%], 3-Nitroaniline[54%], 4-Chloroaniline[35%], these compounds did not meet the NJDKQP criteria but met the in-house criteria and Hexachlorocyclopentadiene[170%], this compound did not meet the NJDKQP criteria and in-house criteria but The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Blank Spike Duplicate for {PB167564BSD} with File ID: BP024323.D met requirements for all samples except for 3,3-Dichlorobenzidine[63%], 3-Nitroaniline[61%], 4-Chloroaniline[40%], these compounds did not meet the NJDKQP criteria but met the in-house criteria, and 2,4-Dimethylphenol[143%],

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Hexachlorocyclopentadiene[170%], Atrazine[136%], these compounds did not meet the NJDKQP criteria and in-house criteria, but The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.

The Continuous Calibration File ID BP024304.D met the requirements except for Atrazine and Benzaldehyde , The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Continuous Calibration File ID BP024320.D met the requirements except for Benzaldehyde, is marginally but The associate samples have no positive hit for these compounds therefore no corrective action was 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 #: **Q1762**

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

QA Review Signature: **SOHIL JODHANI** **Date:** **04/19/2025**

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LAB CHRONICLE

OrderID:	Q1762	**OrderDate:**	4/9/2025 2:47:49 PM
Client:	G Environmental	**Project:**	ANN
Contact:	Gary Landis	**Location:**	L31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1762-02	**MW5**	**Water**			**04/09/25**			**04/09/25**
			SVOC-TCL BNA -20	8270E		04/11/25	04/16/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1762

Client: G Environmental

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
Client ID : MW5									
Q1762-02	MW5	WATER	Caprolactam		19.900		1.1	10	ug/L
Q1762-02	MW5	WATER	2-Methylnaphthalene		58.400		0.56	5	ug/L
Q1762-02	MW5	WATER	Acenaphthene		3.100	J	0.55	5	ug/L
Q1762-02	MW5	WATER	Fluorene		5.700		0.63	5	ug/L
Q1762-02	MW5	WATER	Phenanthrene		5.600		0.5	5	ug/L
			Total Svoc :		**92.70**				
Q1762-02	MW5	WATER	1H-Indene, 2,3-dihydro-4-methyl-	*	10.000	J	0	0	ug/L
Q1762-02	MW5	WATER	2,6,10-Trimethyltridecane	*	10.000	J	0	0	ug/L
Q1762-02	MW5	WATER	Benzene, 1,2,4,5-tetramethyl-	*	10.400	J	0	0	ug/L
Q1762-02	MW5	WATER	Benzene, 1,3-diethyl-	*	14.200	J	0	0	ug/L
Q1762-02	MW5	WATER	Benzene, 2-ethenyl-1,4-dimethyl-	*	22.800	J	0	0	ug/L
Q1762-02	MW5	WATER	Heptadecane, 2,6-dimethyl-	*	22.000	J	0	0	ug/L
Q1762-02	MW5	WATER	Indane	*	30.600	J	0	0	ug/L
Q1762-02	MW5	WATER	Naphthalene, 1,4-dimethyl-	*	24.800	J	0	0	ug/L
Q1762-02	MW5	WATER	Naphthalene, 1,5-dimethyl-	*	15.800	J	0	0	ug/L
Q1762-02	MW5	WATER	Naphthalene, 1,6,7-trimethyl-	*	12.400	J	0	0	ug/L
Q1762-02	MW5	WATER	Naphthalene, 2-(1-methylethyl)-	*	11.500	J	0	0	ug/L
Q1762-02	MW5	WATER	Naphthalene, 2,3,6-trimethyl-	*	10.700	J	0	0	ug/L
Q1762-02	MW5	WATER	Naphthalene, 2,3-dimethyl-	*	44.700	J	0	0	ug/L
Q1762-02	MW5	WATER	Naphthalene, 2,6-dimethyl-	*	19.800	J	0	0	ug/L
Q1762-02	MW5	WATER	n-Hexadecanoic acid	*	12.500	J	0	0	ug/L
Q1762-02	MW5	WATER	o-Cymene	*	51.400	J	0	0	ug/L
Q1762-02	MW5	WATER	Pentacosane	*	13.300	J	0	0	ug/L
Q1762-02	MW5	WATER	Pentadecane, 2,6,10-trimethyl-	*	11.600	J	0	0	ug/L
Q1762-02	MW5	WATER	9H-Fluorene, 2-methyl-	*	9.900	J	0	0	ug/L
Q1762-02	MW5	WATER	unknown9.063	*	9.500	J	0	0	ug/L
Q1762-02	MW5	WATER	1-Methylnaphthalene	*	56.600	J	0.66	5	ug/L
			Total Tics :		**424.50**				
			Total Concentration:		**517.20**				



QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q1762

Client: G Environmental

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167564BL	PB167564BL	2-Fluorophenol	150	138	92		15 (10)	110 (139)
		Phenol-d6	150	125	83		15 (10)	110 (134)
		Nitrobenzene-d5	100	90.4	90		30 (49)	130 (133)
		2-Fluorobiphenyl	100	90.0	90		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	128	86		15 (44)	110 (137)
		Terphenyl-d14	100	92.3	92		30 (48)	130 (125)
PB167564BS	PB167564BS	2-Fluorophenol	150	137	91		15 (10)	110 (139)
		Phenol-d6	150	131	87		15 (10)	110 (134)
		Nitrobenzene-d5	100	84.4	84		30 (49)	130 (133)
		2-Fluorobiphenyl	100	82.3	82		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	132	88		15 (44)	110 (137)
		Terphenyl-d14	100	109	109		30 (48)	130 (125)
PB167564BSD	PB167564BSD	2-Fluorophenol	150	143	95		15 (10)	110 (139)
		Phenol-d6	150	137	92		15 (10)	110 (134)
		Nitrobenzene-d5	100	88.8	89		30 (49)	130 (133)
		2-Fluorobiphenyl	100	84.7	85		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	151	101		15 (44)	110 (137)
		Terphenyl-d14	100	90.3	90		30 (48)	130 (125)
Q1762-02	MW5	2-Fluorophenol	150	53.8	36		15 (10)	110 (139)
		Phenol-d6	150	29.9	20		15 (10)	110 (134)
		Nitrobenzene-d5	100	80.3	80		30 (49)	130 (133)
		2-Fluorobiphenyl	100	82.1	82		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	119	79		15 (44)	110 (137)
		Terphenyl-d14	100	79.2	79		30 (48)	130 (125)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1762

Client: G Environmental

Analytical Method: 8270E **DataFile:** BP024322.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167564BS	Benzaldehyde	50	21.5	ug/L	43				20 (10)	160 (162)	
	Phenol	50	48.9	ug/L	98				20 (66)	160 (118)	
	bis(2-Chloroethyl)ether	50	43.0	ug/L	86				70 (62)	130 (103)	
	2-Chlorophenol	50	47.9	ug/L	96				70 (70)	130 (117)	
	2-Methylphenol	50	51.7	ug/L	103				70 (69)	130 (109)	
	2,2-oxybis(1-Chloropropane)	50	45.6	ug/L	91				70 (65)	130 (100)	
	Acetophenone	50	42.1	ug/L	84				70 (60)	130 (104)	
	3+4-Methylphenols	50	50.8	ug/L	102				20 (67)	160 (106)	
	N-Nitroso-di-n-propylamine	50	44.0	ug/L	88				70 (57)	130 (107)	
	Hexachloroethane	50	44.2	ug/L	88				20 (76)	160 (118)	
	Nitrobenzene	50	43.9	ug/L	88				70 (58)	130 (106)	
	Isophorone	50	46.7	ug/L	93				70 (61)	130 (102)	
	2-Nitrophenol	50	47.2	ug/L	94				70 (70)	130 (115)	
	2,4-Dimethylphenol	50	68.3	ug/L	137		*		70 (42)	130 (142)	
	bis(2-Chloroethoxy)methane	50	43.9	ug/L	88				70 (58)	130 (109)	
	2,4-Dichlorophenol	50	48.6	ug/L	97				70 (66)	130 (115)	
	Naphthalene	50	41.1	ug/L	82				70 (64)	130 (107)	
	4-Chloroaniline	50	17.5	ug/L	35		*		70 (10)	130 (85)	
	Hexachlorobutadiene	50	43.8	ug/L	88				70 (69)	130 (101)	
	Caprolactam	50	45.9	ug/L	92				20 (58)	160 (128)	
	4-Chloro-3-methylphenol	50	48.4	ug/L	97				70 (65)	130 (114)	
	2-Methylnaphthalene	50	38.8	ug/L	78				70 (64)	130 (107)	
	Hexachlorocyclopentadiene	100	170	ug/L	170		*		20 (36)	160 (160)	
	2,4,6-Trichlorophenol	50	48.0	ug/L	96				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	47.8	ug/L	96				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	48.0	ug/L	96				70 (73)	130 (114)	
	Dimethylphthalate	50	43.5	ug/L	87				70 (64)	130 (103)	
	Acenaphthylene	50	47.0	ug/L	94				70 (79)	130 (103)	
	2,6-Dinitrotoluene	50	45.6	ug/L	91				70 (64)	130 (110)	
	3-Nitroaniline	50	27.2	ug/L	54		*		70 (28)	130 (100)	
	Acenaphthene	50	42.0	ug/L	84				70 (59)	130 (113)	
	2,4-Dinitrophenol	100	99.2	ug/L	99				20 (36)	160 (166)	
	4-Nitrophenol	100	90.6	ug/L	91				20 (45)	160 (147)	
	Dibenzofuran	50	40.9	ug/L	82				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	46.3	ug/L	93				70 (60)	130 (115)	
	Diethylphthalate	50	42.4	ug/L	85				70 (63)	130 (105)	
	4-Chlorophenyl-phenylether	50	42.9	ug/L	86				70 (61)	130 (104)	
	Fluorene	50	43.0	ug/L	86				70 (64)	130 (107)	
	4-Nitroaniline	50	41.4	ug/L	83				70 (55)	130 (125)	
	4,6-Dinitro-2-methylphenol	50	47.7	ug/L	95				70 (62)	130 (132)	
	N-Nitrosodiphenylamine	50	46.2	ug/L	92				70 (61)	130 (109)	
	4-Bromophenyl-phenylether	50	46.7	ug/L	93				70 (73)	130 (103)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1762

Client: G Environmental

Analytical Method: 8270E **DataFile:** BP024322.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167564BS	Hexachlorobenzene	50	46.8	ug/L	94				70 (73)	130 (106)	
	Atrazine	50	60.1	ug/L	120				70 (76)	130 (120)	
	Pentachlorophenol	100	92.5	ug/L	93				20 (47)	160 (114)	
	Phenanthrene	50	43.4	ug/L	87				70 (62)	130 (109)	
	Anthracene	50	45.6	ug/L	91				70 (65)	130 (110)	
	Carbazole	50	42.3	ug/L	85				70 (62)	130 (106)	
	Di-n-butylphthalate	50	41.3	ug/L	83				70 (64)	130 (106)	
	Fluoranthene	50	38.7	ug/L	77				70 (64)	130 (110)	
	Pyrene	50	56.3	ug/L	113				70 (71)	130 (103)	
	Butylbenzylphthalate	50	49.3	ug/L	99				70 (61)	130 (105)	
	3,3-Dichlorobenzidine	50	28.2	ug/L	56		*		70 (43)	130 (108)	
	Benzo(a)anthracene	50	46.4	ug/L	93				70 (62)	130 (107)	
	Chrysene	50	44.8	ug/L	90				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	42.2	ug/L	84				70 (59)	130 (110)	
	Di-n-octyl phthalate	50	39.3	ug/L	79				70 (52)	130 (139)	
	Benzo(b)fluoranthene	50	44.9	ug/L	90				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	45.9	ug/L	92				70 (77)	130 (105)	
	Benzo(a)pyrene	50	49.6	ug/L	99				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	50.4	ug/L	101				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	50.4	ug/L	101				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	49.2	ug/L	98				70 (75)	130 (118)	
	1,2,4,5-Tetrachlorobenzene	50	42.9	ug/L	86				70 (72)	130 (101)	
	1,4-Dioxane	50	33.7	ug/L	67				20 (38)	160 (125)	
	2,3,4,6-Tetrachlorophenol	50	44.8	ug/L	90				70 (63)	130 (116)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1762

Client: G Environmental

Analytical Method: 8270E **DataFile:** BP024323.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167564BSD	Benzaldehyde	50	21.3	ug/L	43	1			20 (10)	160 (162)	20 (20)
	Phenol	50	51.0	ug/L	102	4			20 (66)	160 (118)	20 (20)
	bis(2-Chloroethyl)ether	50	44.9	ug/L	90	4			70 (62)	130 (103)	20 (20)
	2-Chlorophenol	50	50.1	ug/L	100	4			70 (70)	130 (117)	20 (20)
	2-Methylphenol	50	54.1	ug/L	108	5			70 (69)	130 (109)	20 (20)
	2,2-oxybis(1-Chloropropane)	50	47.4	ug/L	95	4			70 (65)	130 (100)	20 (20)
	Acetophenone	50	44.7	ug/L	89	6			70 (60)	130 (104)	20 (20)
	3+4-Methylphenols	50	53.4	ug/L	107	5			20 (67)	160 (106)	20 (20)
	N-Nitroso-di-n-propylamine	50	46.3	ug/L	93	5			70 (57)	130 (107)	20 (20)
	Hexachloroethane	50	46.5	ug/L	93	5			20 (76)	160 (118)	20 (20)
	Nitrobenzene	50	45.8	ug/L	92	4			70 (58)	130 (106)	20 (20)
	Isophorone	50	49.9	ug/L	100	7			70 (61)	130 (102)	20 (20)
	2-Nitrophenol	50	50.0	ug/L	100	6			70 (70)	130 (115)	20 (20)
	2,4-Dimethylphenol	50	71.6	ug/L	143	5	*		70 (42)	130 (142)	20 (20)
	bis(2-Chloroethoxy)methane	50	46.7	ug/L	93	6			70 (58)	130 (109)	20 (20)
	2,4-Dichlorophenol	50	52.3	ug/L	105	7			70 (66)	130 (115)	20 (20)
	Naphthalene	50	43.6	ug/L	87	6			70 (64)	130 (107)	20 (20)
	4-Chloroaniline	50	19.9	ug/L	40	13	*		70 (10)	130 (85)	20 (20)
	Hexachlorobutadiene	50	46.2	ug/L	92	5			70 (69)	130 (101)	20 (20)
	Caprolactam	50	53.3	ug/L	107	15			20 (58)	160 (128)	20 (20)
	4-Chloro-3-methylphenol	50	52.6	ug/L	105	8			70 (65)	130 (114)	20 (20)
	2-Methylnaphthalene	50	41.1	ug/L	82	6			70 (64)	130 (107)	20 (20)
	Hexachlorocyclopentadiene	100	170	ug/L	170	0	*		20 (36)	160 (160)	20 (20)
	2,4,6-Trichlorophenol	50	50.5	ug/L	101	5			70 (61)	130 (110)	20 (20)
	2,4,5-Trichlorophenol	50	51.5	ug/L	103	7			70 (70)	130 (106)	20 (20)
	1,1-Biphenyl	50	44.2	ug/L	88	3			70 (72)	130 (98)	20 (20)
	2-Chloronaphthalene	50	45.0	ug/L	90	4			70 (59)	130 (106)	20 (20)
	2-Nitroaniline	50	51.8	ug/L	104	8			70 (73)	130 (114)	20 (20)
	Dimethylphthalate	50	47.8	ug/L	96	9			70 (64)	130 (103)	20 (20)
	Acenaphthylene	50	49.4	ug/L	99	5			70 (79)	130 (103)	20 (20)
	2,6-Dinitrotoluene	50	50.8	ug/L	102	11			70 (64)	130 (110)	20 (20)
	3-Nitroaniline	50	30.6	ug/L	61	12	*		70 (28)	130 (100)	20 (20)
	Acenaphthene	50	44.2	ug/L	88	5			70 (59)	130 (113)	20 (20)
	2,4-Dinitrophenol	100	120	ug/L	120	19			20 (36)	160 (166)	20 (20)
	4-Nitrophenol	100	110	ug/L	110	19			20 (45)	160 (147)	20 (20)
	Dibenzofuran	50	43.6	ug/L	87	6			70 (65)	130 (106)	20 (20)
	2,4-Dinitrotoluene	50	53.4	ug/L	107	14			70 (60)	130 (115)	20 (20)
	Diethylphthalate	50	47.6	ug/L	95	12			70 (63)	130 (105)	20 (20)
	4-Chlorophenyl-phenylether	50	46.8	ug/L	94	9			70 (61)	130 (104)	20 (20)
	Fluorene	50	46.3	ug/L	93	7			70 (64)	130 (107)	20 (20)
	4-Nitroaniline	50	50.4	ug/L	101	20			70 (55)	130 (125)	20 (20)
	4,6-Dinitro-2-methylphenol	50	51.0	ug/L	102	7			70 (62)	130 (132)	20 (20)
	N-Nitrosodiphenylamine	50	46.6	ug/L	93	1			70 (61)	130 (109)	20 (20)
	4-Bromophenyl-phenylether	50	47.5	ug/L	95	2			70 (73)	130 (103)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1762

Client: G Environmental

Analytical Method: 8270E **DataFile:** BP024323.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167564BSD	Hexachlorobenzene	50	47.7	ug/L	95	2			70 (73)	130 (106)	20 (20)
	Atrazine	50	67.9	ug/L	136	12	*		70 (76)	130 (120)	20 (20)
	Pentachlorophenol	100	100	ug/L	100	8			20 (47)	160 (114)	20 (20)
	Phenanthrene	50	45.2	ug/L	90	4			70 (62)	130 (109)	20 (20)
	Anthracene	50	48.1	ug/L	96	5			70 (65)	130 (110)	20 (20)
	Carbazole	50	48.3	ug/L	97	13			70 (62)	130 (106)	20 (20)
	Di-n-butylphthalate	50	49.0	ug/L	98	17			70 (64)	130 (106)	20 (20)
	Fluoranthene	50	46.5	ug/L	93	18			70 (64)	130 (110)	20 (20)
	Pyrene	50	45.9	ug/L	92	20			70 (71)	130 (103)	20 (20)
	Butylbenzylphthalate	50	51.4	ug/L	103	4			70 (61)	130 (105)	20 (20)
	3,3-Dichlorobenzidine	50	31.7	ug/L	63	12	*		70 (43)	130 (108)	20 (20)
	Benzo(a)anthracene	50	47.6	ug/L	95	3			70 (62)	130 (107)	20 (20)
	Chrysene	50	45.9	ug/L	92	2			70 (61)	130 (108)	20 (20)
	bis(2-Ethylhexyl)phthalate	50	49.0	ug/L	98	15			70 (59)	130 (110)	20 (20)
	Di-n-octyl phthalate	50	49.6	ug/L	99	23		*	70 (52)	130 (139)	20 (20)
	Benzo(b)fluoranthene	50	49.2	ug/L	98	9			70 (77)	130 (113)	20 (20)
	Benzo(k)fluoranthene	50	49.4	ug/L	99	7			70 (77)	130 (105)	20 (20)
	Benzo(a)pyrene	50	52.0	ug/L	104	5			70 (72)	130 (131)	20 (20)
	Indeno(1,2,3-cd)pyrene	50	41.9	ug/L	84	18			70 (72)	130 (105)	20 (20)
	Dibenz(a,h)anthracene	50	41.9	ug/L	84	18			70 (78)	130 (115)	20 (20)
	Benzo(g,h,i)perylene	50	38.7	ug/L	77	24		*	70 (75)	130 (118)	20 (20)
	1,2,4,5-Tetrachlorobenzene	50	44.3	ug/L	89	3			70 (72)	130 (101)	20 (20)
	1,4-Dioxane	50	34.3	ug/L	69	2			20 (38)	160 (125)	20 (20)
	2,3,4,6-Tetrachlorophenol	50	50.1	ug/L	100	11			70 (63)	130 (116)	20 (20)

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167564BL

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1762 SAS No.: Q1762 SDG NO.: Q1762

Lab File ID: BP024309.D Lab Sample ID: PB167564BL

Instrument ID: BNA_P Date Extracted: 04/11/2025

Matrix: (soil/water) Water Date Analyzed: 04/16/2025

Level: (low/med) LOW Time Analyzed: 13:07

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MW5	Q1762-02	BP024318.D	04/16/2025
PB167564BS	PB167564BS	BP024322.D	04/17/2025
PB167564BSD	PB167564BSD	BP024323.D	04/17/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1762 SDG NO.: Q1762

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

Instrument ID: BNA_P DFTPP Injection Time: 10:25

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.4
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	36
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	48.5
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	29.1
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	15.2
442	Greater than 50% of mass 198	99.1
443	15.0 - 24.0% of mass 442	19.2 (19.4) 2

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

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

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

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1762 SDG NO.: Q1762

Lab File ID: BP024303.D DFTPP Injection Date: 04/16/2025

Instrument ID: BNA_P DFTPP Injection Time: 09:02

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.4
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.1
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	47.6
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	28.3
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	15.4
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	BP024304.D	04/16/2025	09:43
PB167564BL	PB167564BL	BP024309.D	04/16/2025	13:07
MW5	Q1762-02	BP024318.D	04/16/2025	19:18

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1762 SDG NO.: Q1762

Lab File ID: BP024319.D DFTPP Injection Date: 04/17/2025

Instrument ID: BNA_P DFTPP Injection Time: 09:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	24.9
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	30.1
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	41.5
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.1
275	10.0 - 60.0% of mass 198	27.3
365	Greater than 1% of mass 198	4
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (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
SSTDCCC040	SSTDCCC040	BP024320.D	04/17/2025	10:30
PB167564BS	PB167564BS	BP024322.D	04/17/2025	11:51
PB167564BSD	PB167564BSD	BP024323.D	04/17/2025	12:32

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1762 SAS No.: Q1762 SDG NO.: Q1762

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/16/2025

Lab File ID: BP024304.D Time Analyzed: 09:43

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	273289	7.728	1112650	10.50	684984	14.36
	UPPER LIMIT	546578	8.228	2225300	10.999	1369970	14.857
	LOWER LIMIT	136645	7.228	556325	9.999	342492	13.857
	EPA SAMPLE NO.						
01	PB167564BL	270242	7.73	1066350	10.50	644577	14.36
02	MW5	312256	7.73	1204770	10.51	686283	14.36

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1762 SAS No.: Q1762 SDG NO.: Q1762

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/16/2025

Lab File ID: BP024304.D Time Analyzed: 09:43

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1326070	17.163	1395750	21.622	1605780	24.98
	UPPER LIMIT	2652140	17.663	2791500	22.122	3211560	25.48
	LOWER LIMIT	663035	16.663	697875	21.122	802890	24.48
	EPA SAMPLE NO.						
01	PB167564BL	1213250	17.17	1175360	21.63	1338100	24.99
02	MW5	1252820	17.16	1383650	21.60	1663370	24.96

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.: Q1762 SAS No.: Q1762 SDG NO.: Q1762

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/17/2025

Lab File ID: BP024320.D Time Analyzed: 10:30

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	303712	7.728	1329210	10.50	880817	14.36
	UPPER LIMIT	607424	8.228	2658420	10.998	1761630	14.857
	LOWER LIMIT	151856	7.228	664605	9.998	440409	13.857
	EPA SAMPLE NO.						
01	PB167564BS	334068	7.73	1451800	10.50	946390	14.36
02	PB167564BSD	302883	7.73	1314400	10.50	875504	14.36

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1762 SAS No.: Q1762 SDG NO.: Q1762

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/17/2025

Lab File ID: BP024320.D Time Analyzed: 10:30

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	1702910	17.157	1526870	21.609	1367820	24.962
	UPPER LIMIT	3405820	17.657	3053740	22.109	2735640	25.462
	LOWER LIMIT	851455	16.657	763435	21.109	683910	24.462
	EPA SAMPLE NO.						
01	PB167564BS	1773500	17.16	1227920	21.60	1207870	24.94
02	PB167564BSD	1837450	17.16	1940220	21.60	1918970	24.95

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: **BP024318.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	04/09/25
Project:	ANN	Date Received:	04/09/25
Client Sample ID:	MW5	SDG No.:	Q1762
Lab Sample ID:	Q1762-02	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024318.D	1	04/11/25 08:32	04/16/25 19:18	PB167564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.0	ug/L
108-95-2	Phenol	0.91	U	0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.81	U	0.81	5.00	ug/L
95-57-8	2-Chlorophenol	0.58	U	0.58	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	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
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	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
88-75-5	2-Nitrophenol	1.80	U	1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.90	UQ	1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.52	U	0.52	5.00	ug/L
91-20-3	Naphthalene	0.50	U	0.50	5.00	ug/L
106-47-8	4-Chloroaniline	0.84	UQ	0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
105-60-2	Caprolactam	19.9		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.59	U	0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	58.4		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	3.60	UQ	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
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

Raw Data: **BP024318.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	04/09/25
Project:	ANN	Date Received:	04/09/25
Client Sample ID:	MW5	SDG No.:	Q1762
Lab Sample ID:	Q1762-02	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024318.D	1	04/11/25 08:32	04/16/25 19:18	PB167564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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	UQ	1.10	5.00	ug/L
83-32-9	Acenaphthene	3.10	J	0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.00	U	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.0	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	5.70		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	2.90	10.0	ug/L
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	UQ	1.00	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
85-01-8	Phenanthrene	5.60		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	UQ	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

Raw Data: **BP024318.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:	04/09/25
Project:	ANN	Date Received:	04/09/25
Client Sample ID:	MW5	SDG No.:	Q1762
Lab Sample ID:	Q1762-02	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024318.D	1	04/11/25 08:32	04/16/25 19:18	PB167564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	53.8		15 (10) - 110 (139)	36%	SPK: 150
13127-88-3	Phenol-d6	29.9		15 (10) - 110 (134)	20%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.3		30 (49) - 130 (133)	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.1		30 (52) - 130 (132)	82%	SPK: 100
118-79-6	2,4,6-Tribromophenol	119		15 (44) - 110 (137)	79%	SPK: 150
1718-51-0	Terphenyl-d14	79.2		30 (48) - 130 (125)	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	312000	7.728			
1146-65-2	Naphthalene-d8	1200000	10.505			
15067-26-2	Acenaphthene-d10	686000	14.357			
1517-22-2	Phenanthrene-d10	1250000	17.157			
1719-03-5	Chrysene-d12	1380000	21.604			
1520-96-3	Perylene-d12	1660000	24.963			
TENTATIVE IDENTIFIED COMPOUNDS						
000496-11-7	Indane	30.6	J		8.10	ug/L
000141-93-5	Benzene, 1,3-diethyl-	14.2	J		8.22	ug/L
000527-84-4	o-Cymene	51.4	J		8.82	ug/L
	unknown9.063	9.50	J		9.06	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	10.4	J		9.34	ug/L
000824-22-6	1H-Indene, 2,3-dihydro-4-methyl-	10.0	J		9.76	ug/L
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	22.8	J		9.90	ug/L

Raw Data: **BP024318.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:	04/09/25
Project:	ANN	Date Received:	04/09/25
Client Sample ID:	MW5	SDG No.:	Q1762
Lab Sample ID:	Q1762-02	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024318.D	1	04/11/25 08:32	04/16/25 19:18	PB167564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
90-12-0	1-Methylnaphthalene	56.6	J		12.4	ug/L
000581-42-0	Naphthalene, 2,6-dimethyl-	19.8	J		13.5	ug/L
000581-40-8	Naphthalene, 2,3-dimethyl-	44.7	J		13.7	ug/L
000571-58-4	Naphthalene, 1,4-dimethyl-	24.8	J		13.7	ug/L
003891-99-4	2,6,10-Trimethyltridecane	10.0	J		13.9	ug/L
000571-61-9	Naphthalene, 1,5-dimethyl-	15.8	J		13.9	ug/L
002027-17-0	Naphthalene, 2-(1-methylethyl)-	11.5	J		14.6	ug/L
002245-38-7	Naphthalene, 1,6,7-trimethyl-	12.4	J		14.8	ug/L
000829-26-5	Naphthalene, 2,3,6-trimethyl-	10.7	J		15.0	ug/L
003892-00-0	Pentadecane, 2,6,10-trimethyl-	11.6	J		15.6	ug/L
054105-67-8	Heptadecane, 2,6-dimethyl-	22.0	J		16.1	ug/L
001430-97-3	9H-Fluorene, 2-methyl-	9.90	J		16.5	ug/L
000629-99-2	Pentacosane	13.3	J		17.0	ug/L
000057-10-3	n-Hexadecanoic acid	12.5	J		18.1	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: **BP024318.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW5

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025

Quant Time: Apr 17 01:14:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.728	152	312256	20.000	ng		0.00
21) Naphthalene-d8	10.505	136	1204770	20.000	ng		0.00
39) Acenaphthene-d10	14.357	164	686283	20.000	ng		-0.01
64) Phenanthrene-d10	17.157	188	1252822	20.000	ng		-0.02
76) Chrysene-d12	21.604	240	1383650	20.000	ng		-0.02
86) Perylene-d12	24.963	264	1663367	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.352	112	1015710	53.784	ng		0.00
7) Phenol-d6	6.911	99	774027	29.933	ng		0.00
23) Nitrobenzene-d5	8.875	82	1695583	80.251	ng		0.00
42) 2,4,6-Tribromophenol	15.875	330	1130619	119.074	ng		-0.02
45) 2-Fluorobiphenyl	12.975	172	3679780	82.097	ng		0.00
79) Terphenyl-d14	19.886	244	5438798	79.230	ng		-0.04
Target Compounds							Qvalue
35) Caprolactam	11.446	113	128763m	19.928	ng		
37) 2-Methylnaphthalene	12.163	142	2569461	58.380	ng		98
38) 1-Methylnaphthalene	12.387	142	2435278	56.560	ng		100
52) Acenaphthene	14.422	154	117841	3.131	ng		96
58) Fluorene	15.422	166	271424	5.700	ng	#	98
71) Phenanthrene	17.198	178	384708	5.629	ng		98

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

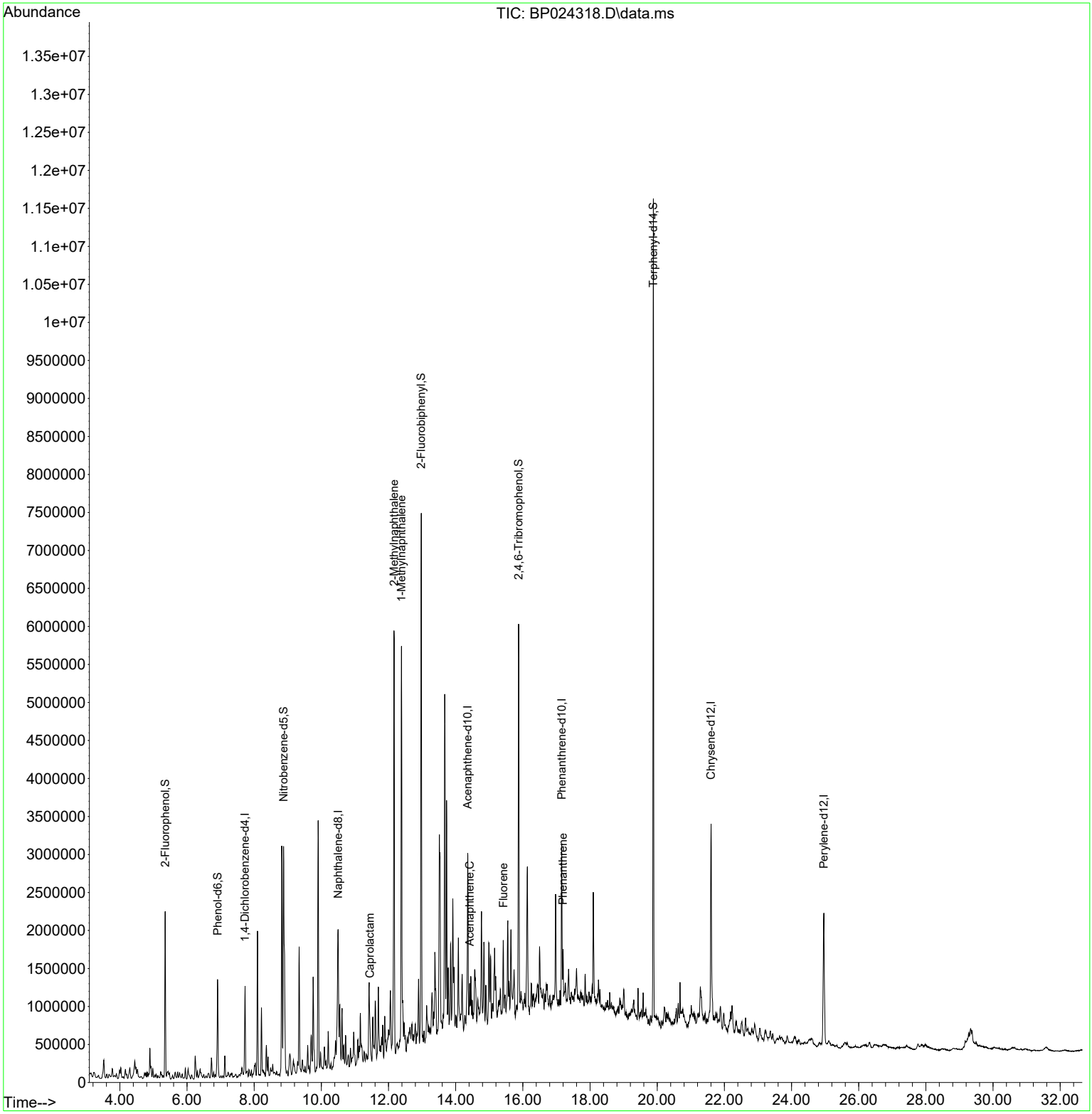
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Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

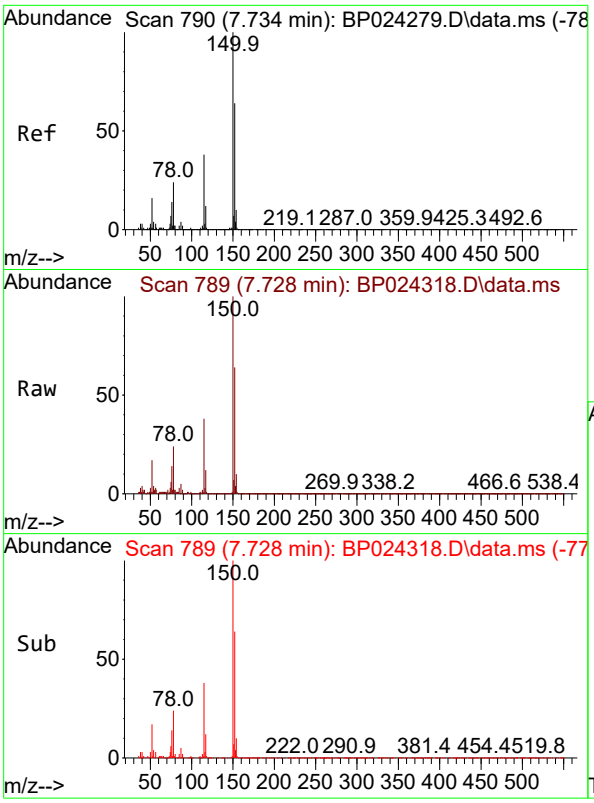
Quant Time: Apr 17 01:14:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
MW5

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025

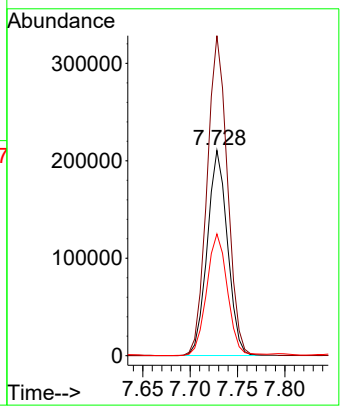




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:152 Resp: 31225

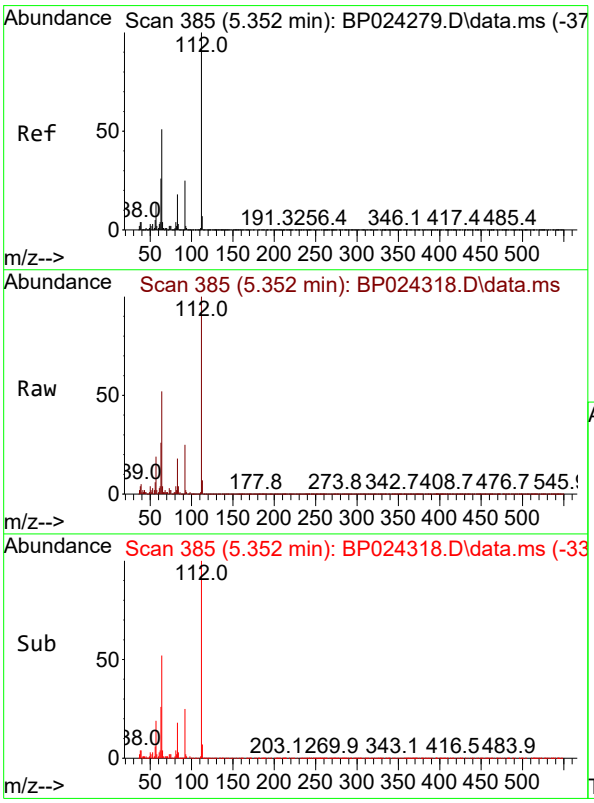
Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.9	187.3
115	59.3	47.7	71.5



Instrument :
BNA_P
ClientSampleId :
MW5

Manual Integrations
APPROVED

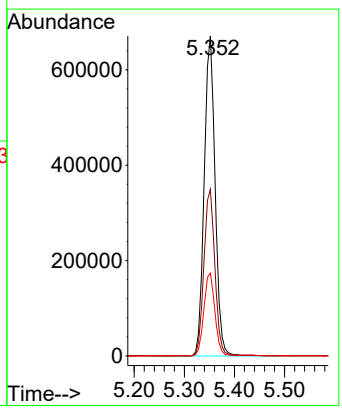
Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025

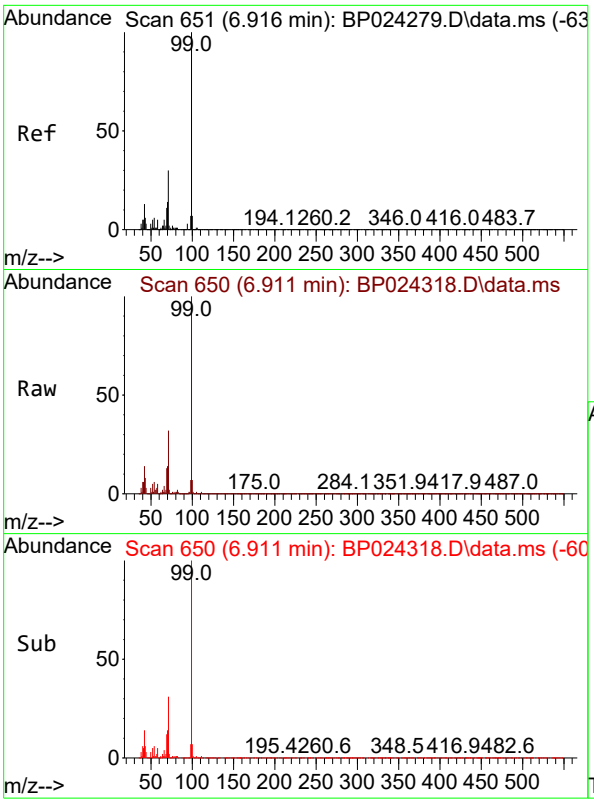


#5
2-Fluorophenol
Concen: 53.784 ng
RT: 5.352 min Scan# 385
Delta R.T. 0.000 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:112 Resp: 1015710

Ion	Ratio	Lower	Upper
112	100		
64	52.1	41.1	61.7
63	25.9	20.6	30.8

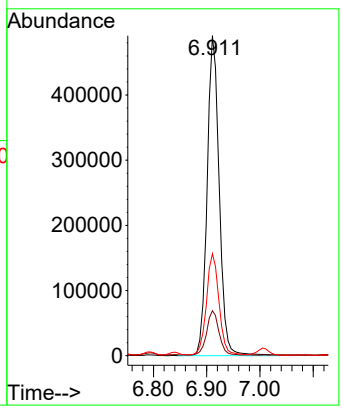




#7
Phenol-d6
Concen: 29.933 ng
RT: 6.911 min Scan# 6
Delta R.T. -0.005 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion: 99 Resp: 77402

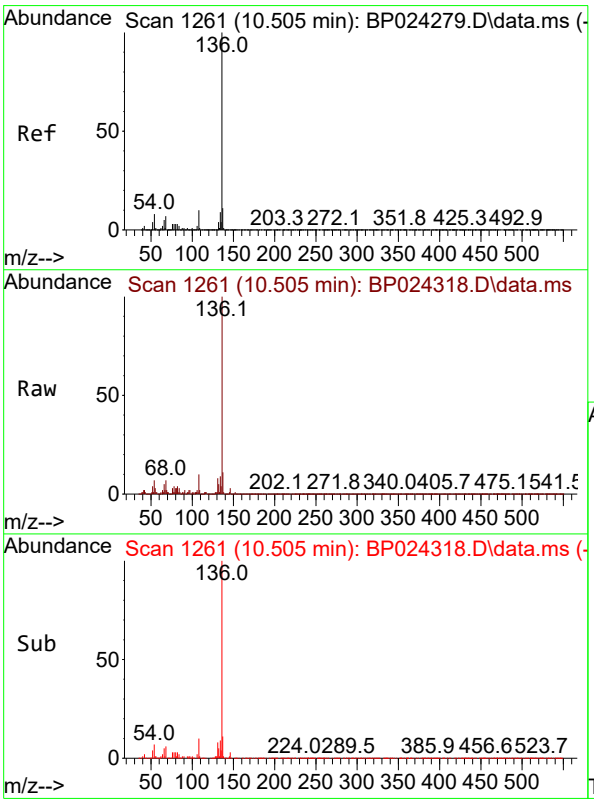
Ion	Ratio	Lower	Upper
99	100		
42	14.1	10.6	16.0
71	31.8	23.7	35.5



Instrument :
BNA_P
ClientSampleId :
MW5

Manual Integrations
APPROVED

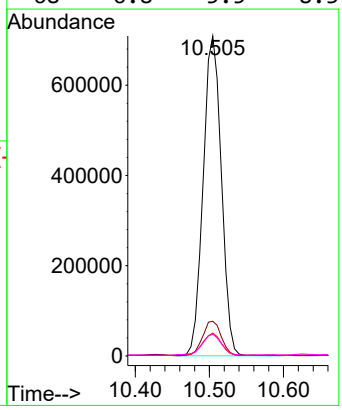
Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025

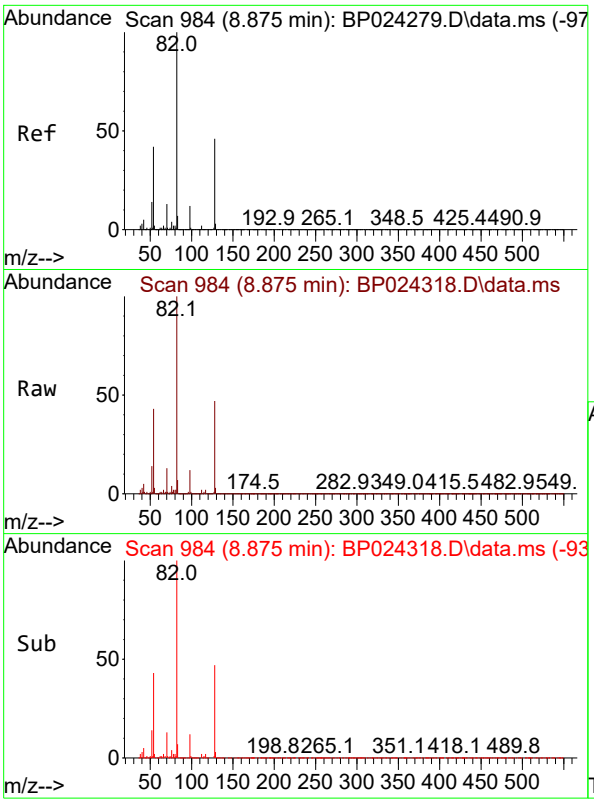


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.505 min Scan# 1261
Delta R.T. 0.000 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:136 Resp: 1204770

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.1	6.0	9.0
68	6.8	5.5	8.3

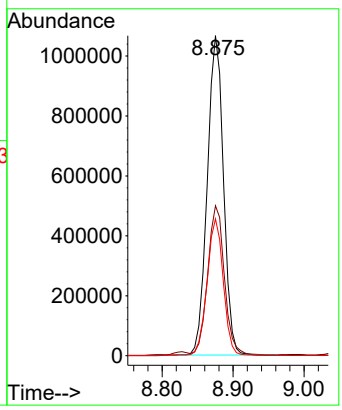




#23
Nitrobenzene-d5
Concen: 80.251 ng
RT: 8.875 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion: 82 Resp: 169558

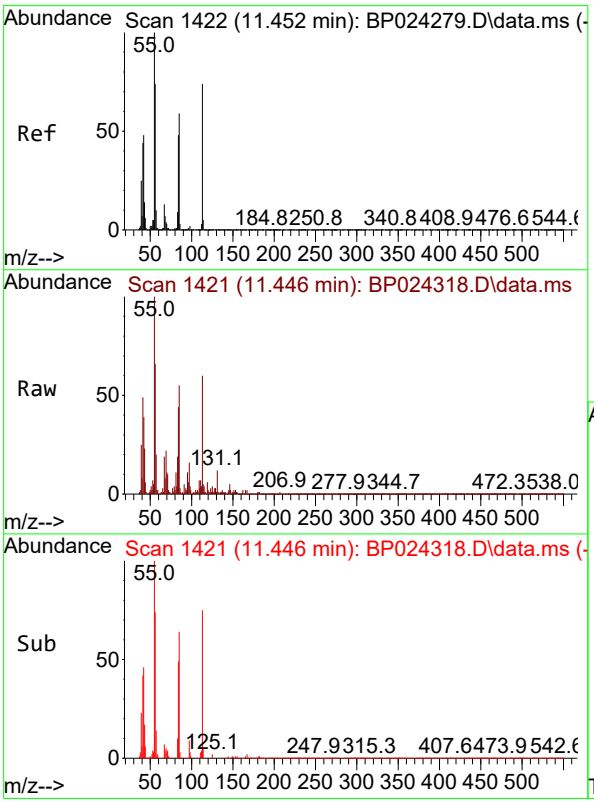
Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.5	54.7
54	42.7	33.4	50.2



Instrument :
BNA_P
ClientSampleId :
MW5

Manual Integrations
APPROVED

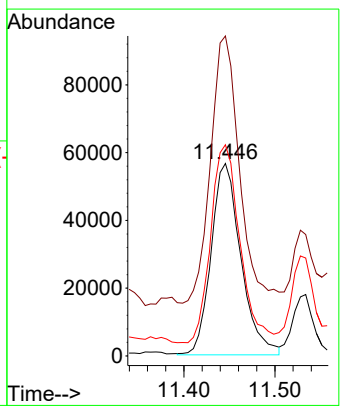
Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025

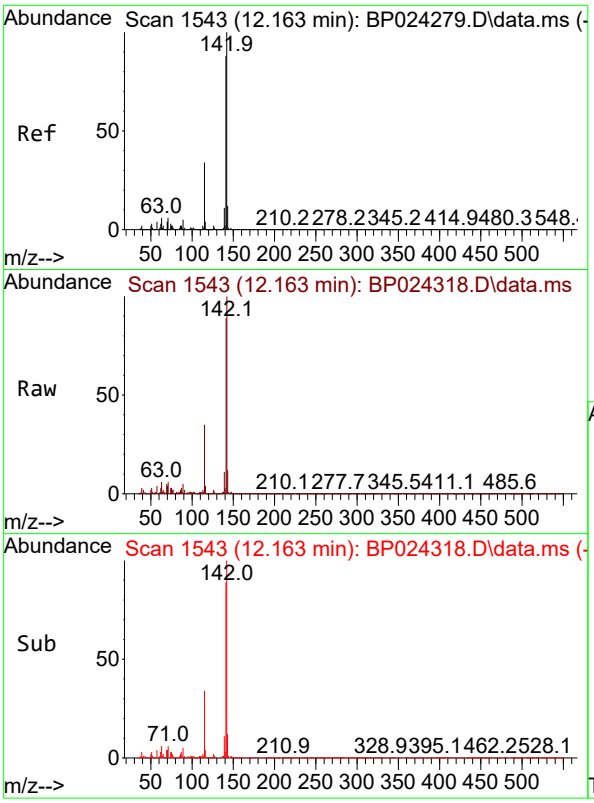


#35
Caprolactam
Concen: 19.928 ng m
RT: 11.446 min Scan# 1421
Delta R.T. -0.035 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:113 Resp: 128763

Ion	Ratio	Lower	Upper
113	100		
55	166.2	115.9	155.9#
56	109.7	81.1	121.1

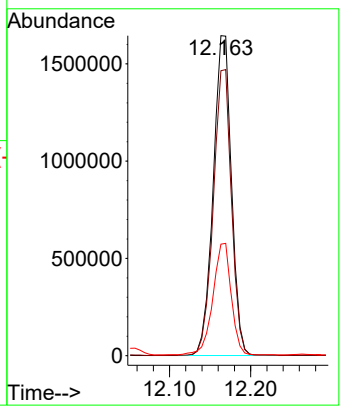




#37
2-Methylnaphthalene
Concen: 58.380 ng
RT: 12.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:142 Resp: 256946

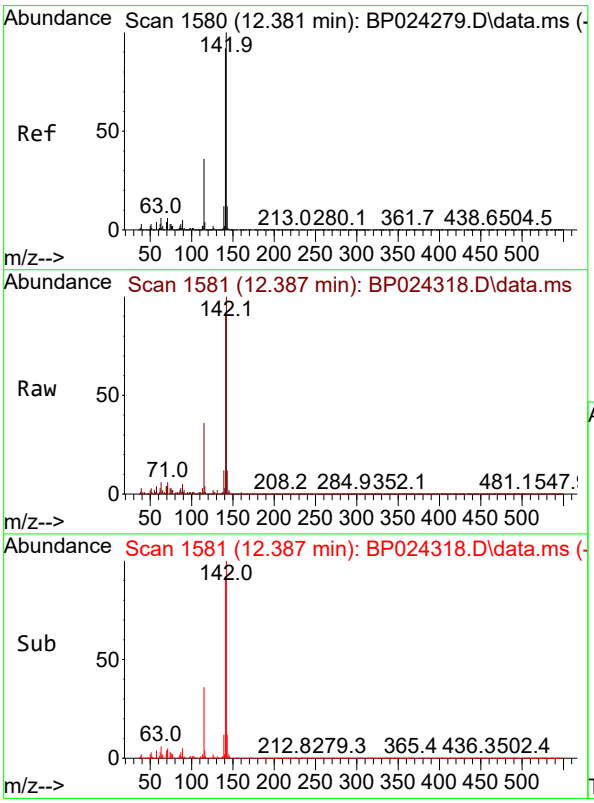
Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.3	105.5
115	34.9	26.9	40.3



Instrument :
BNA_P
ClientSampleId :
MW5

Manual Integrations
APPROVED

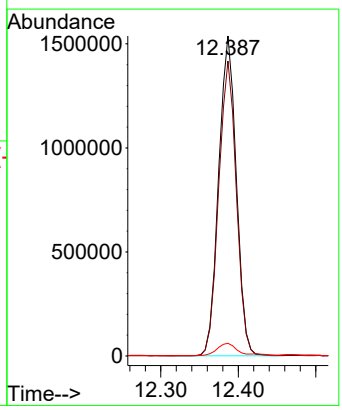
Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025

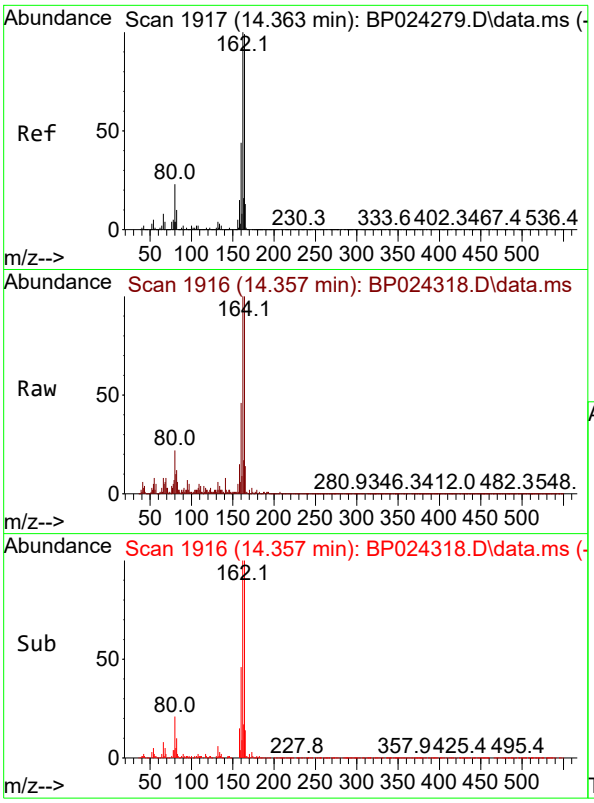


#38
1-Methylnaphthalene
Concen: 56.560 ng
RT: 12.387 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:142 Resp: 2435278

Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.6	110.4
116	4.0	3.0	4.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.357 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

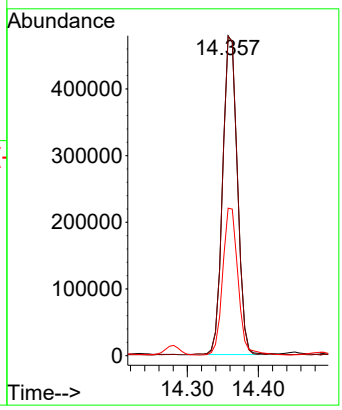
Instrument :
BNA_P
ClientSampleId :
MW5

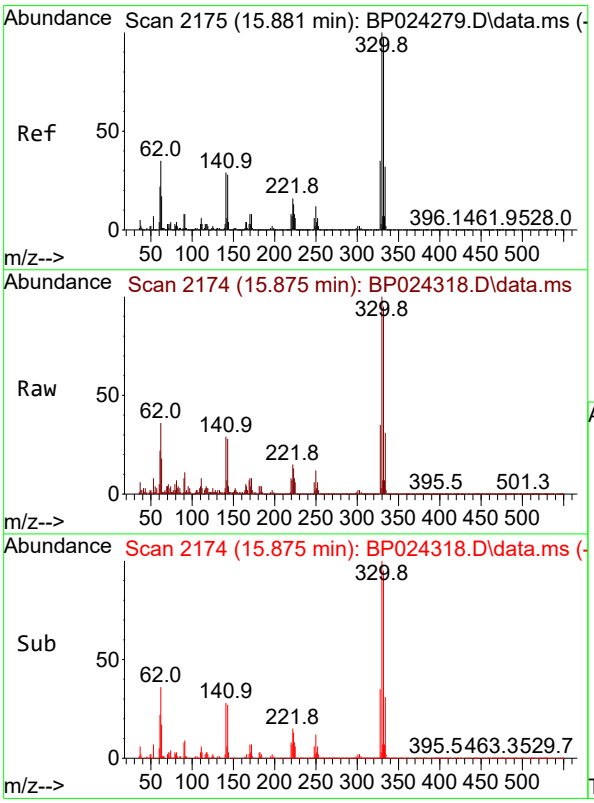
Tgt Ion:164 Resp: 68628

Ion	Ratio	Lower	Upper
164	100		
162	99.8	80.6	120.8
160	46.1	35.3	52.9

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025

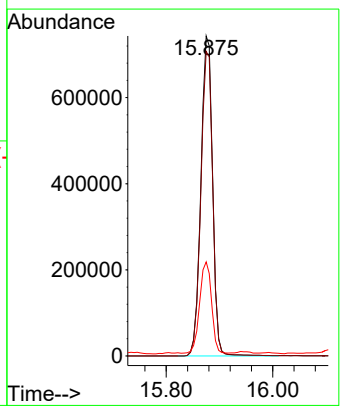


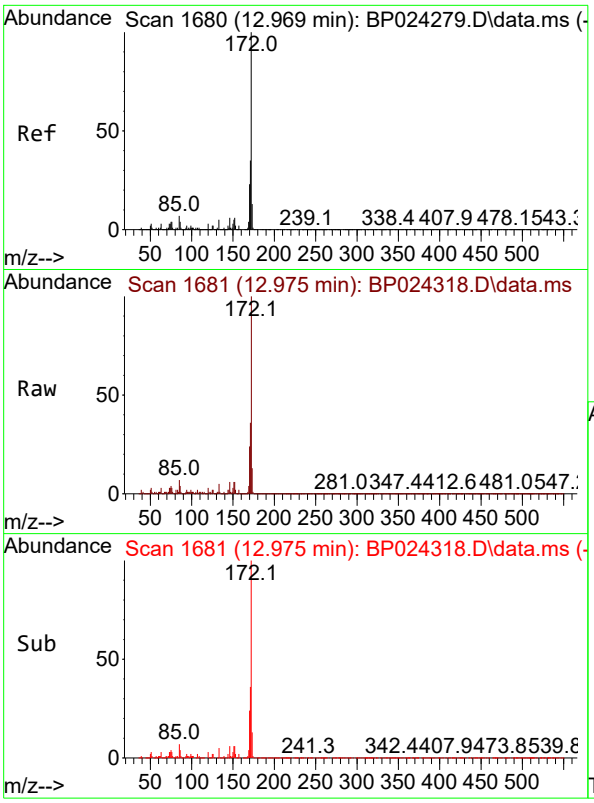


#42
2,4,6-Tribromophenol
Concen: 119.074 ng
RT: 15.875 min Scan# 2174
Delta R.T. -0.018 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:330 Resp: 1130619

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.1	115.7
141	28.7	24.7	37.1

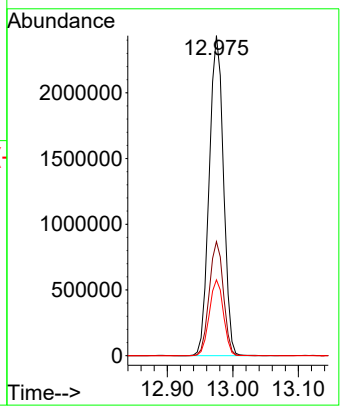




#45
2-Fluorobiphenyl
Concen: 82.097 ng
RT: 12.975 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:172 Resp: 367978

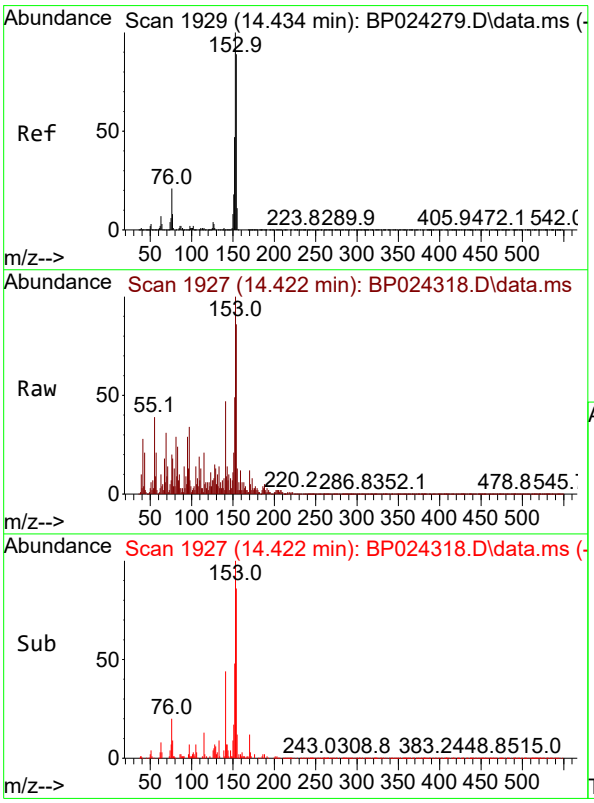
Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.2	42.2
170	23.7	18.6	27.8



Instrument :
BNA_P
ClientSampleId :
MW5

Manual Integrations
APPROVED

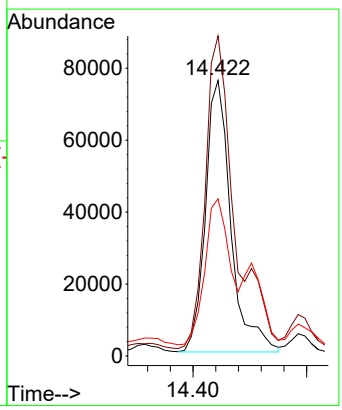
Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025

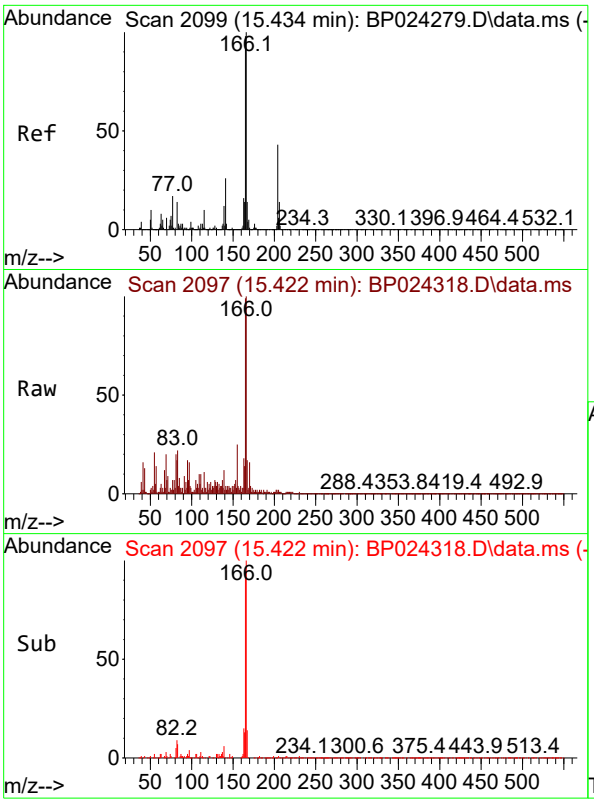


#52
Acenaphthene
Concen: 3.131 ng
RT: 14.422 min Scan# 1927
Delta R.T. -0.018 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:154 Resp: 117841

Ion	Ratio	Lower	Upper
154	100		
153	116.1	89.8	134.6
152	57.0	42.6	63.8

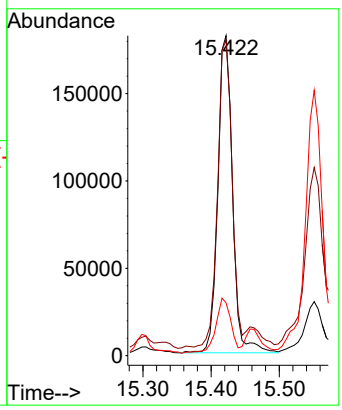




#58
Fluorene
Concen: 5.700 ng
RT: 15.422 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:166 Resp: 27142

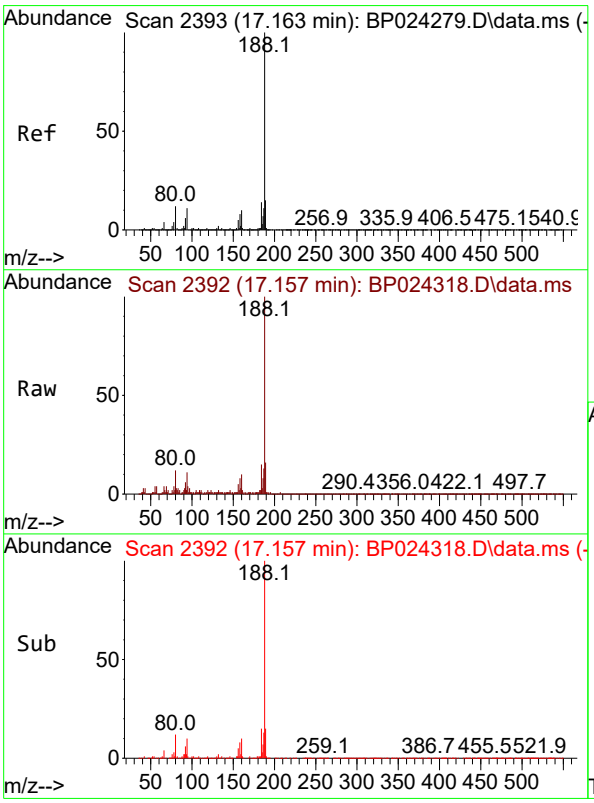
Ion	Ratio	Lower	Upper
166	100		
165	98.6	78.1	117.1
167	16.5	10.9	16.3#



Instrument :
BNA_P
ClientSampleId :
MW5

Manual Integrations
APPROVED

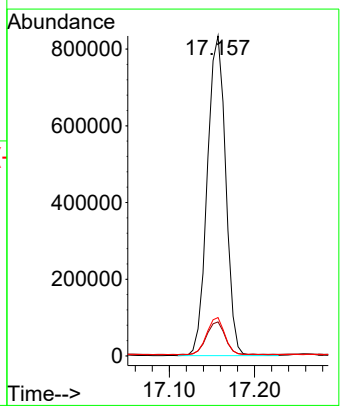
Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025

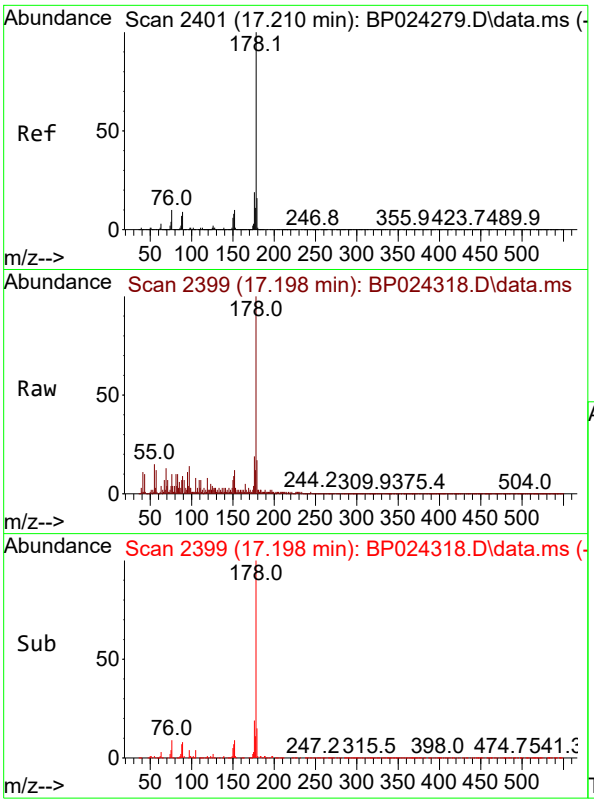


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2392
Delta R.T. -0.023 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:188 Resp: 1252822

Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.6	13.0
80	12.0	9.8	14.6

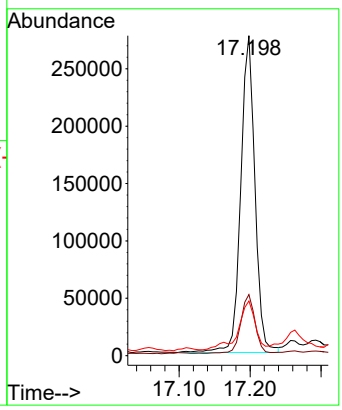




#71
Phenanthrene
Concen: 5.629 ng
RT: 17.198 min Scan# 2
Delta R.T. -0.029 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:178 Resp: 38470

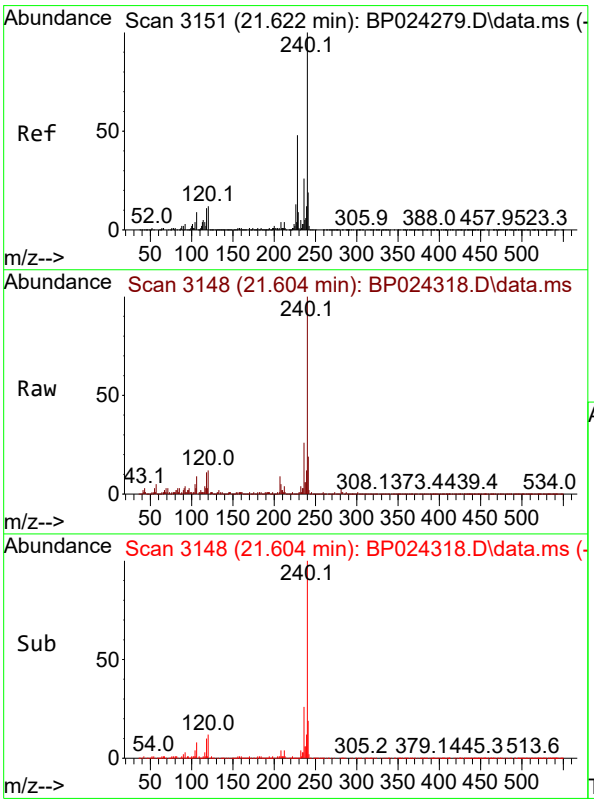
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	17.1	12.5	18.7



Instrument :
BNA_P
ClientSampleId :
MW5

Manual Integrations
APPROVED

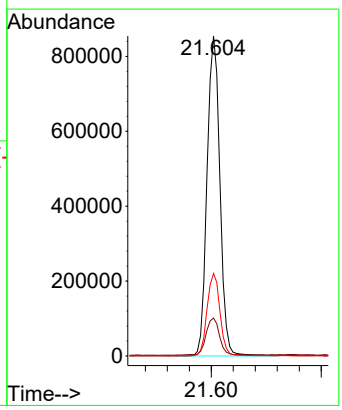
Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025

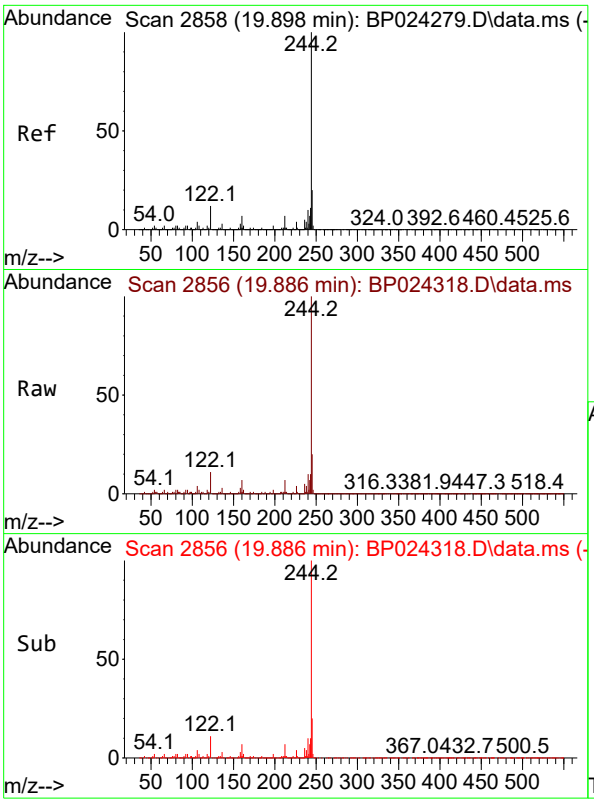


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.604 min Scan# 3148
Delta R.T. -0.017 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:240 Resp: 1383650

Ion	Ratio	Lower	Upper
240	100		
120	11.9	9.8	14.8
236	25.8	20.9	31.3

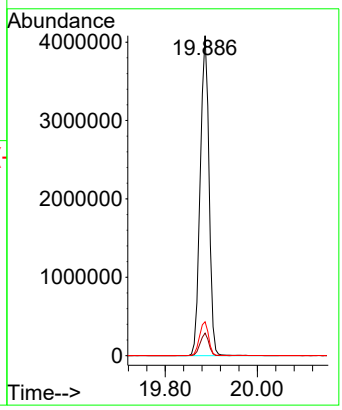




#79
Terphenyl-d14
Concen: 79.230 ng
RT: 19.886 min Scan# 2
Delta R.T. -0.035 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:244 Resp: 543879

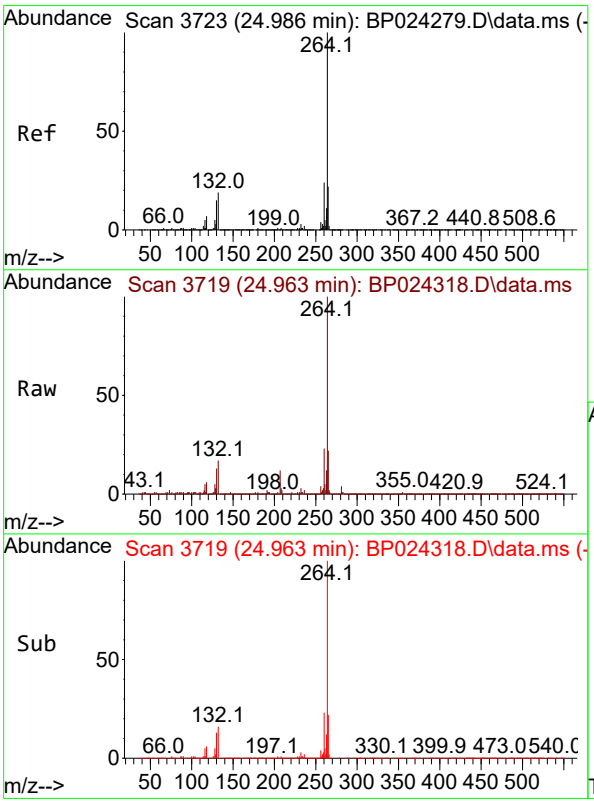
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	10.6	9.4	14.0



Instrument :
BNA_P
ClientSampleId :
MW5

Manual Integrations
APPROVED

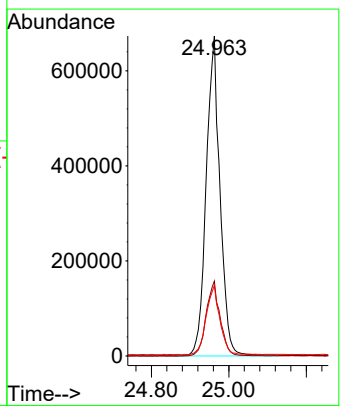
Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.963 min Scan# 3719
Delta R.T. -0.023 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:264 Resp: 1663367

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.9	28.3
265	22.1	17.8	26.6



Sample Results: **BP024318.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW5

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-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024318.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.523	63	74	83	rBV2	239452	612442	4.30%	0.310%
2	4.164	176	183	188	rBV3	116278	253970	1.78%	0.128%
3	4.299	195	206	213	rBV4	139163	363636	2.55%	0.184%
4	4.446	215	231	234	rBV2	229667	642534	4.51%	0.325%
5	4.893	303	307	311	rBV	352433	518893	3.64%	0.263%
6	5.352	377	385	391	rBV	2182954	3264099	22.91%	1.651%
7	6.034	494	501	513	rBV5	135593	350920	2.46%	0.178%
8	6.246	530	537	544	rBV2	307377	669764	4.70%	0.339%
9	6.393	552	562	565	rBV5	114612	253237	1.78%	0.128%
10	6.728	612	619	625	rBV2	266397	493481	3.46%	0.250%
11	6.911	641	650	661	rVB	1292208	2369975	16.63%	1.199%
12	7.128	681	687	694	rBV	288872	473399	3.32%	0.240%
13	7.728	781	789	794	rVV	1171291	1918240	13.46%	0.971%
14	8.099	845	852	860	rBV	1900502	2930476	20.57%	1.483%
15	8.216	866	872	877	rBV	892952	1360486	9.55%	0.688%
16	8.363	892	897	902	rBV2	410193	719257	5.05%	0.364%
17	8.416	902	906	911	rVB	246471	380883	2.67%	0.193%
18	8.822	965	975	980	rBV	3029148	4927070	34.58%	2.493%
19	8.875	980	984	998	rVB3	2996680	7294415	51.19%	3.691%
20	9.063	1007	1016	1024	rBV9	289026	911671	6.40%	0.461%
21	9.169	1025	1034	1037	rBV	193169	416145	2.92%	0.211%
22	9.293	1049	1055	1058	rBV3	150871	280485	1.97%	0.142%
23	9.340	1058	1063	1069	rVV	1650810	2523908	17.71%	1.277%
24	9.434	1073	1079	1085	rBV6	154802	302711	2.12%	0.153%
25	9.593	1099	1106	1111	rBV3	354080	611490	4.29%	0.309%
26	9.699	1117	1124	1129	rBV3	505183	1134210	7.96%	0.574%
27	9.758	1129	1134	1144	rVB	1249825	2421256	16.99%	1.225%
28	9.905	1153	1159	1167	rBV3	3264925	5537679	38.86%	2.802%
29	9.975	1167	1171	1180	rVV	217266	367221	2.58%	0.186%
30	10.093	1184	1191	1195	rVV2	293545	561021	3.94%	0.284%
31	10.205	1205	1210	1220	rVV	504018	860449	6.04%	0.435%
32	10.422	1243	1247	1250	rVV3	335941	559758	3.93%	0.283%
33	10.499	1250	1260	1265	rVV2	1791279	4860050	34.11%	2.459%
34	10.552	1265	1269	1275	rVV3	793139	1487584	10.44%	0.753%
35	10.616	1275	1280	1285	rVV	738469	1252668	8.79%	0.634%
36	10.669	1285	1289	1293	rVV	246235	359223	2.52%	0.182%

Sample Results: **BP024318.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW5

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-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.722	1293	1298	1303	rVB	388594	586112	4.11%	0.297%
38	10.799	1307	1311	1316	rVB3	155397	313907	2.20%	0.159%
39	10.869	1318	1323	1327	rBV2	243754	419461	2.94%	0.212%
40	10.963	1335	1339	1349	rVB2	440072	931207	6.54%	0.471%
41	11.087	1355	1360	1363	rBV	273143	380795	2.67%	0.193%
42	11.163	1369	1373	1377	rVV	509545	668492	4.69%	0.338%
43	11.422	1411	1417	1431	rVB2	1033875	2602419	18.26%	1.317%
44	11.534	1431	1436	1440	rBV	582357	1011425	7.10%	0.512%
45	11.604	1444	1448	1455	rVB	755085	1419695	9.96%	0.718%
46	11.699	1455	1464	1472	rBV2	940337	1917506	13.46%	0.970%
47	11.793	1477	1480	1483	rVV2	208359	306761	2.15%	0.155%
48	11.828	1483	1486	1491	rVB	433827	588086	4.13%	0.298%
49	11.887	1491	1496	1505	rBV2	549061	1200827	8.43%	0.608%
50	12.057	1520	1525	1530	rVB2	756390	1307944	9.18%	0.662%
51	12.163	1533	1543	1551	rVB	5565655	9794752	68.74%	4.956%
52	12.387	1575	1581	1586	rBV	5179862	8502363	59.67%	4.302%
53	12.463	1592	1594	1598	rVB2	220501	255460	1.79%	0.129%
54	12.563	1606	1611	1614	rBV7	179851	350540	2.46%	0.177%
55	12.893	1663	1667	1672	rVB2	847212	1277404	8.97%	0.646%
56	12.975	1672	1681	1686	rBV	6975773	10863798	76.25%	5.496%
57	13.134	1705	1708	1717	rBV3	420355	910967	6.39%	0.461%
58	13.298	1730	1736	1741	rBV3	510574	1144905	8.04%	0.579%
59	13.381	1747	1750	1753	rBV	871065	1184018	8.31%	0.599%
60	13.516	1767	1773	1774	rBV	2492722	3451873	24.23%	1.746%
61	13.675	1794	1800	1805	rVV	4391824	7787588	54.66%	3.940%
62	13.728	1805	1809	1814	rVV	2988234	4331218	30.40%	2.191%
63	13.781	1814	1818	1822	rVV	783587	1149023	8.06%	0.581%
64	13.851	1825	1830	1834	rVV2	1090229	1748034	12.27%	0.884%
65	13.916	1836	1841	1844	rVV	1676523	2757814	19.36%	1.395%
66	13.946	1844	1846	1852	rVB	774324	1018838	7.15%	0.515%
67	14.081	1864	1869	1879	rVB	1087114	1616717	11.35%	0.818%
68	14.193	1884	1888	1895	rVB3	741972	1296087	9.10%	0.656%
69	14.357	1909	1916	1922	rVB	2126207	3487453	24.48%	1.764%
70	14.416	1923	1926	1929	rVV2	395018	498606	3.50%	0.252%
71	14.451	1929	1932	1937	rVB2	507759	615046	4.32%	0.311%
72	14.493	1937	1939	1943	rVB	251541	276554	1.94%	0.140%
73	14.569	1947	1952	1962	rVB	683397	2009568	14.10%	1.017%
74	14.657	1964	1967	1972	rBV2	243640	439293	3.08%	0.222%
75	14.769	1980	1986	1991	rVB3	1335778	2159366	15.16%	1.093%
76	14.840	1994	1998	2004	rVB2	1030230	1635412	11.48%	0.827%

Sample Results: **BP024318.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW5

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-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.898	2004	2008	2016	rVB4	514588	892659	6.26%	0.452%
78	14.987	2018	2023	2028	rBV	1014979	1857528	13.04%	0.940%
79	15.040	2028	2032	2037	rVB	814374	1295870	9.09%	0.656%
80	15.157	2046	2052	2055	rBV2	777170	1382551	9.70%	0.699%
81	15.416	2092	2096	2101	rBV2	924479	1264656	8.88%	0.640%
82	15.551	2114	2119	2123	rBV	1056216	1572903	11.04%	0.796%
83	15.587	2123	2125	2129	rVB3	370455	488702	3.43%	0.247%
84	15.645	2130	2135	2144	rBV3	1034854	2014265	14.14%	1.019%
85	15.875	2168	2174	2181	rBV	5045635	7917066	55.56%	4.006%
86	16.134	2210	2218	2223	rBV2	1843214	3663844	25.71%	1.854%
87	16.498	2276	2280	2291	rBV3	750436	1646223	11.55%	0.833%
88	16.975	2357	2361	2371	rVB2	1445092	2224051	15.61%	1.125%
89	17.157	2387	2392	2396	rBV2	2115984	3335602	23.41%	1.688%
90	17.198	2396	2399	2402	rVB	630195	777920	5.46%	0.394%
91	17.857	2507	2511	2516	rVB2	373965	494906	3.47%	0.250%
92	18.098	2548	2552	2559	rVB2	1383053	2081877	14.61%	1.053%
93	19.428	2775	2778	2785	rBV2	415923	570425	4.00%	0.289%
94	19.581	2801	2804	2808	rVB2	312042	379775	2.67%	0.192%
95	19.886	2850	2856	2861	rBV	10769716	14248537	100.00%	7.209%
96	20.628	2978	2982	2987	rBV3	237396	381819	2.68%	0.193%
97	20.680	2988	2991	2994	rVV	426208	445620	3.13%	0.225%
98	21.286	3090	3094	3104	rVB5	378910	1035643	7.27%	0.524%
99	21.604	3142	3148	3159	rVB2	2576461	5017713	35.22%	2.539%
100	24.963	3711	3719	3733	rVB	1723108	4199763	29.48%	2.125%

Sum of corrected areas: 197651958

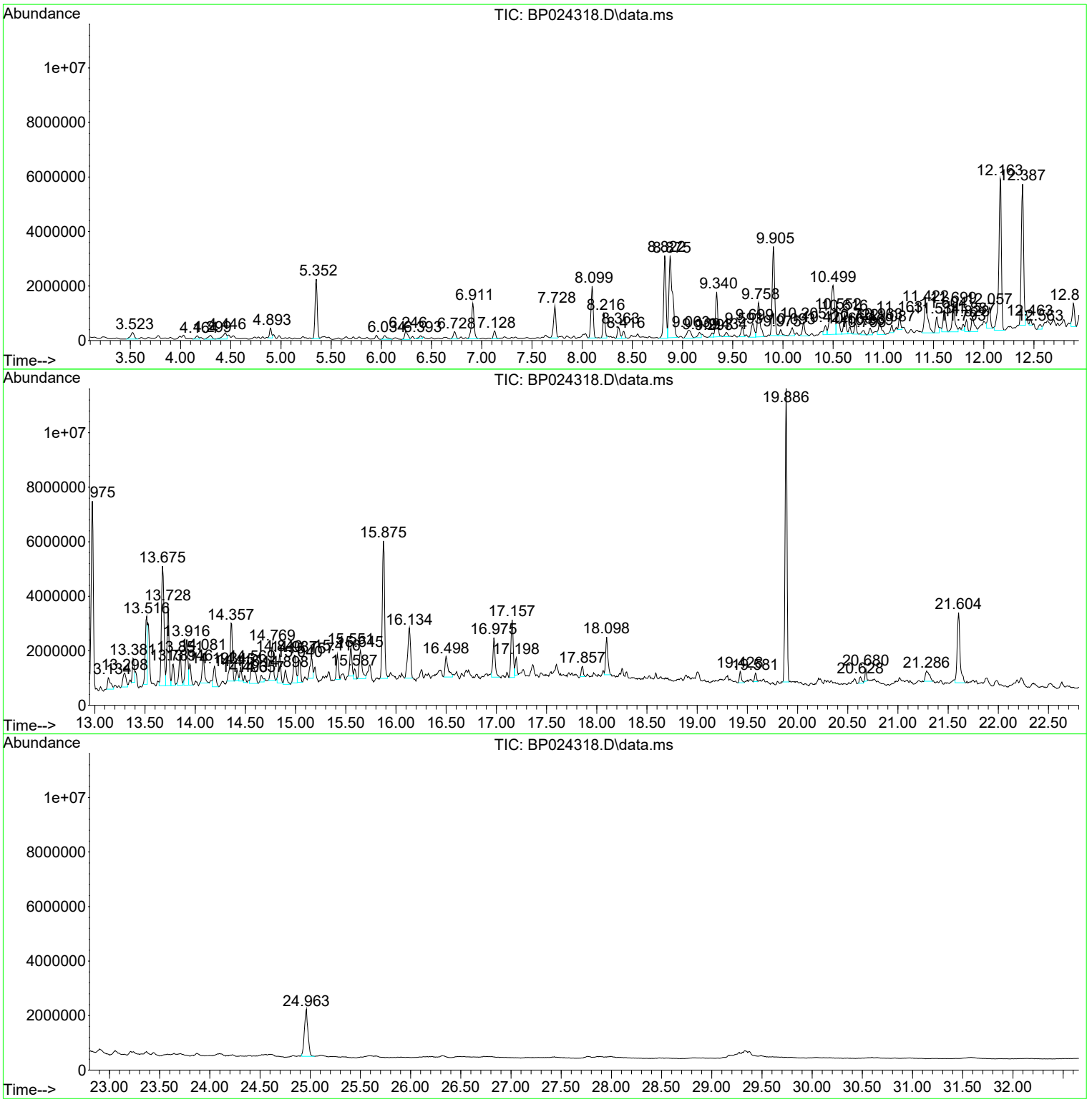
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Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW5

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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\BP041625\
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Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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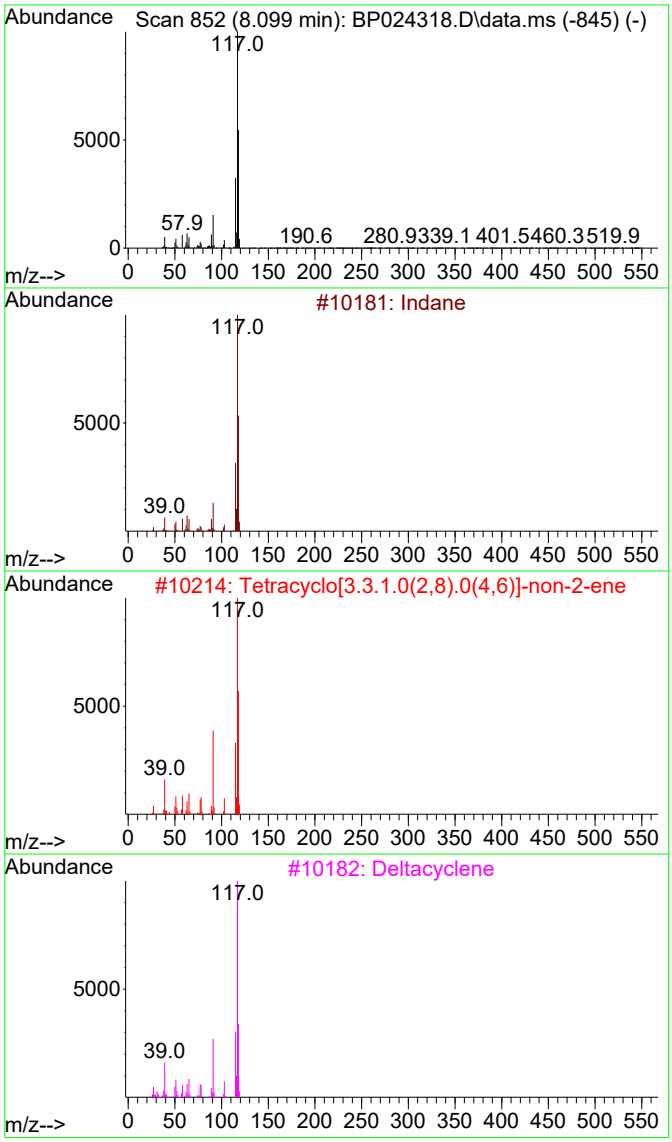
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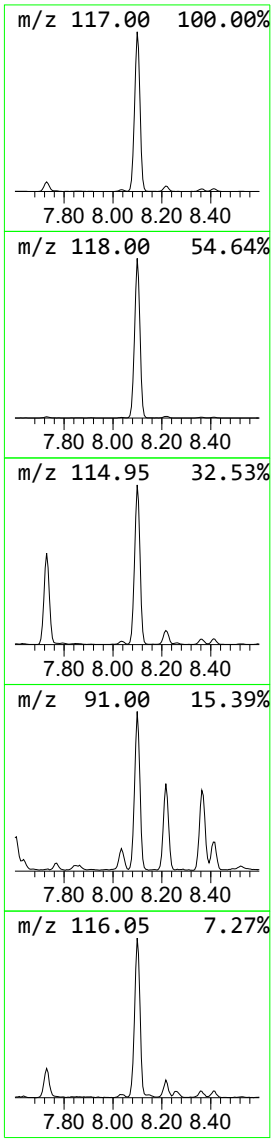
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Peak Number 1 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.099	30.55 ng	2930480	1,4-Dichlorobenzene-d4	7.728

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64
3	Deltacyclene	118	C9H10	007785-10-6	59
4	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	59
5	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
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Operator : RC/JU
Sample : Q1762-02
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ClientSampleId :
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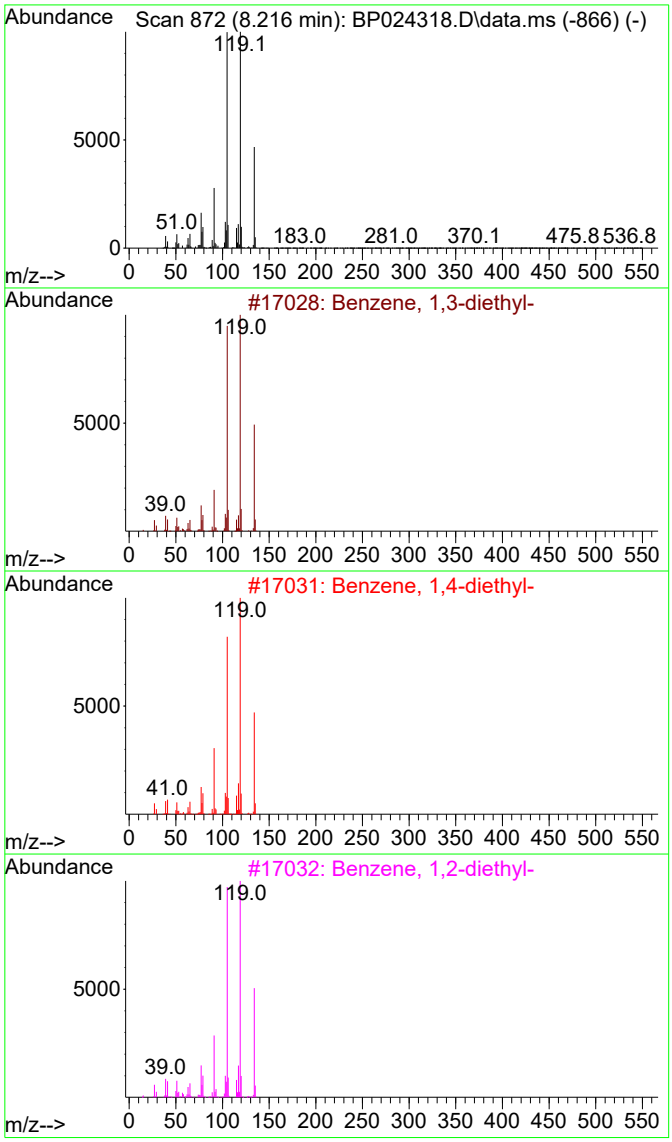
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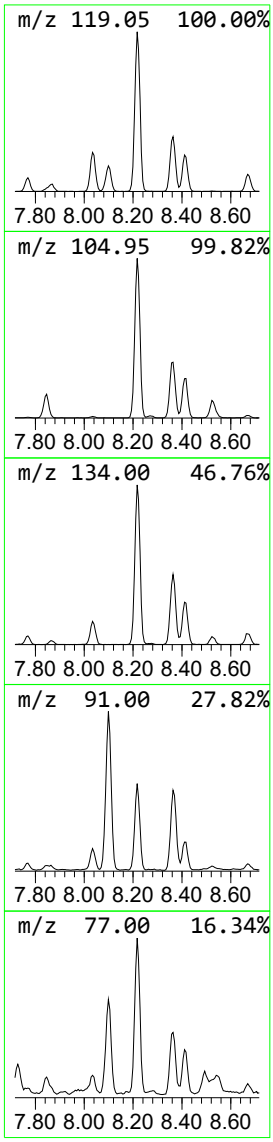
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Peak Number 2 Benzene, 1,3-diethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.216	14.18 ng	1360490	1,4-Dichlorobenzene-d4	7.728

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
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Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

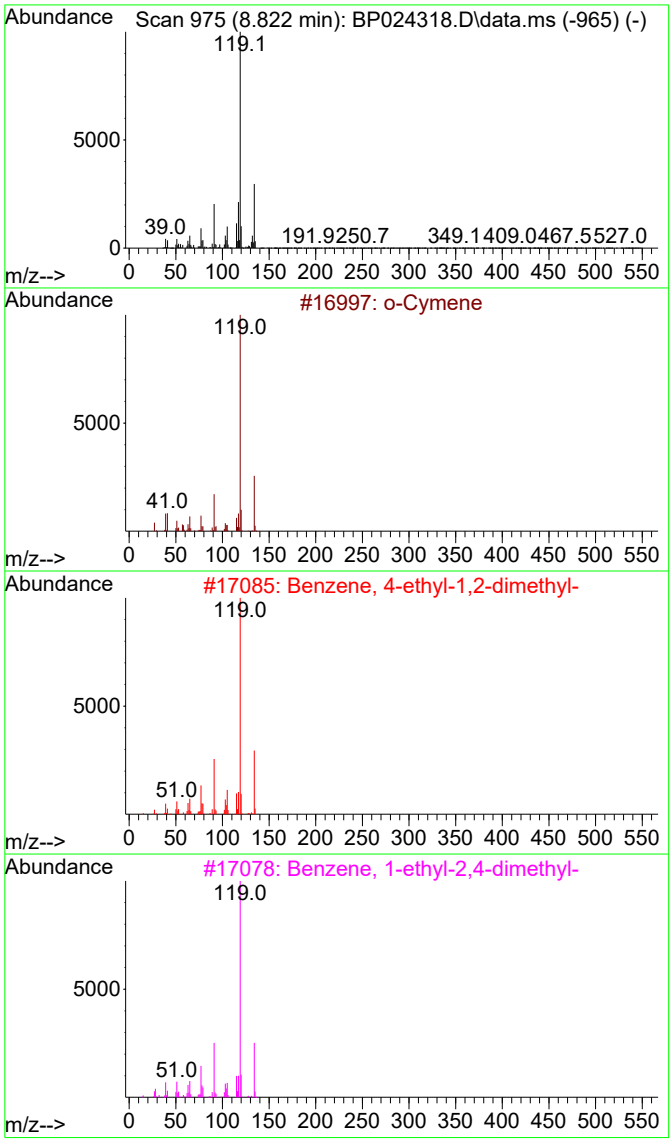
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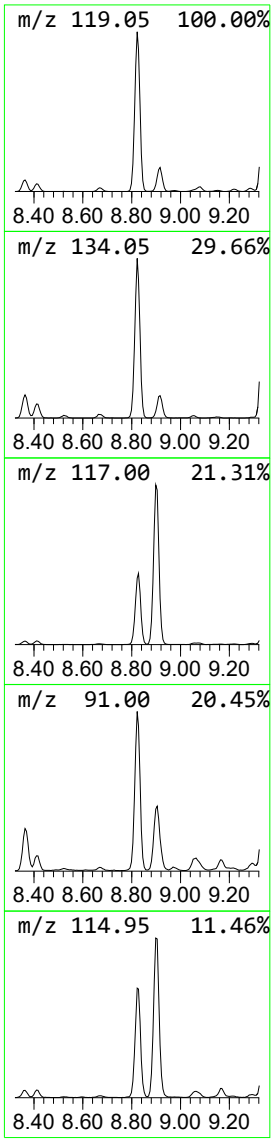
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Peak Number 3 o-Cymene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.822	51.37 ng	4927070	1,4-Dichlorobenzene-d4	7.728

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	94
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

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ClientSampleId :
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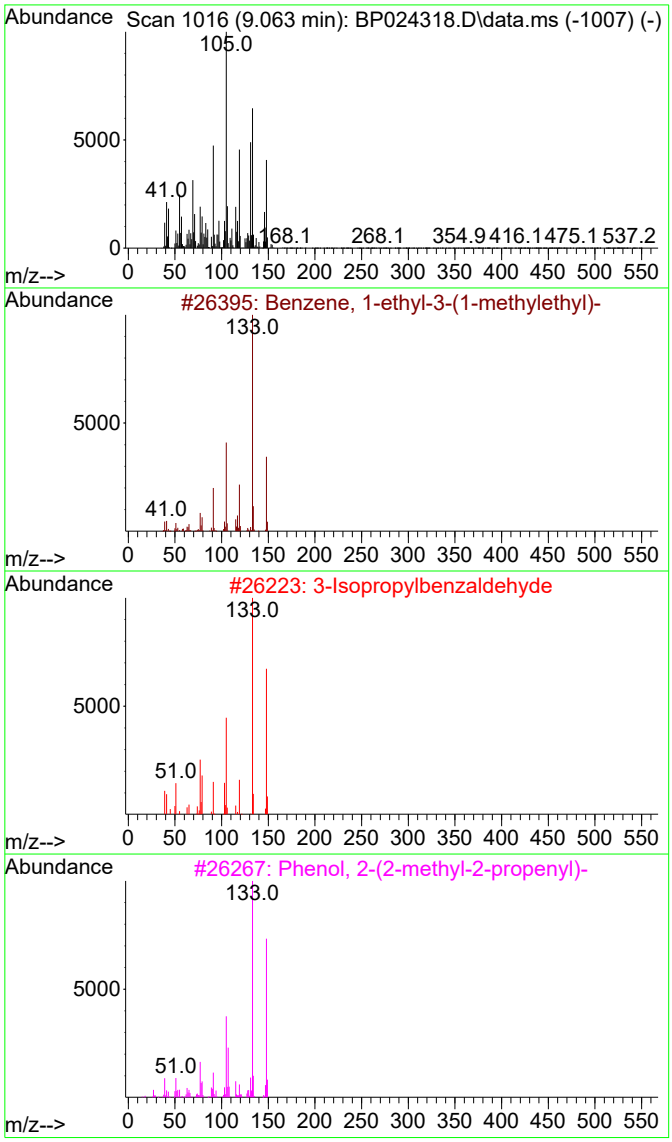
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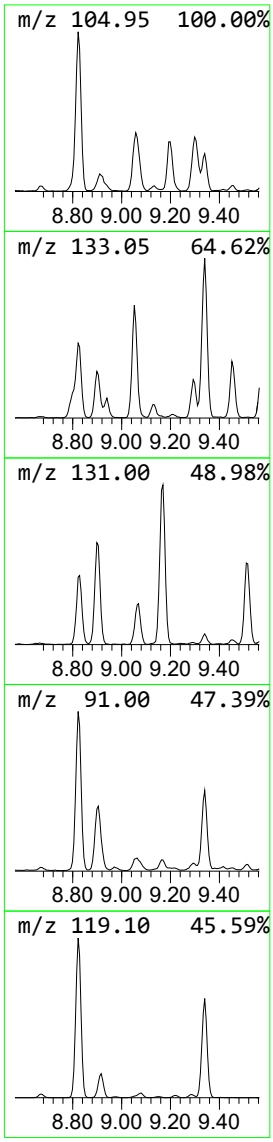
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Peak Number 4 unknown9.063 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.063	9.51 ng	911671	1,4-Dichlorobenzene-d4	7.728

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	49
2	3-Isopropylbenzaldehyde	148	C10H12O	034246-57-6	46
3	Phenol, 2-(2-methyl-2-propenyl)-	148	C10H12O	020944-88-1	45
4	Benzene, 1-methoxy-2-(1-methylet...	148	C10H12O	010278-02-1	41
5	Benzaldehyde, 4-(1-methylethyl)-	148	C10H12O	000122-03-2	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
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Sample : Q1762-02
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ClientSampleId :
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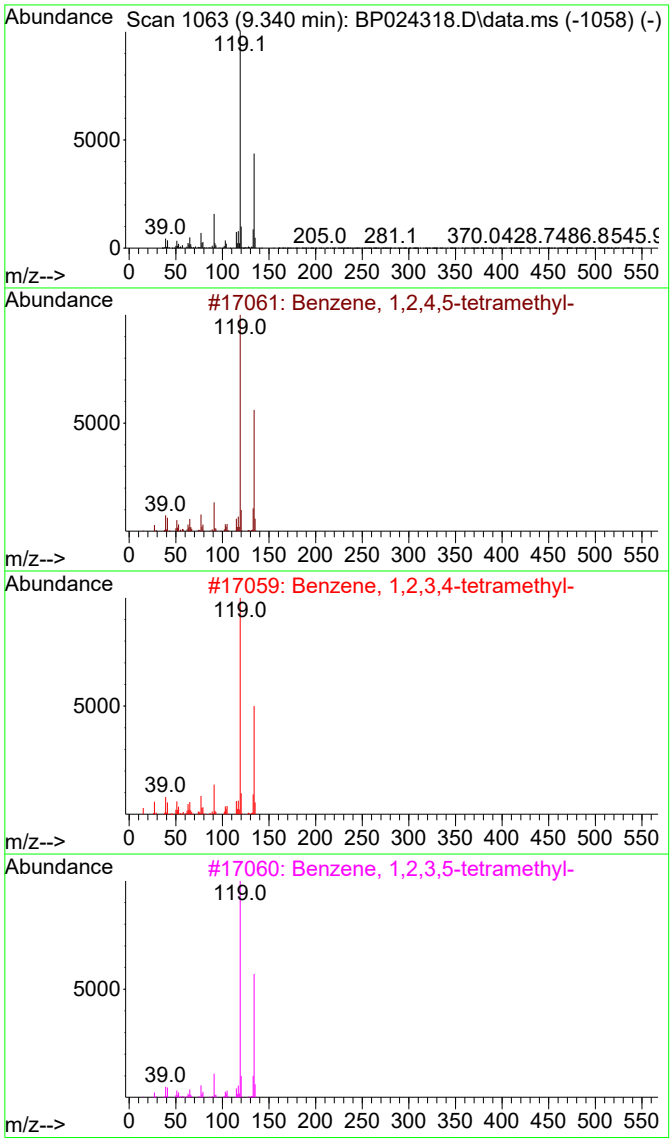
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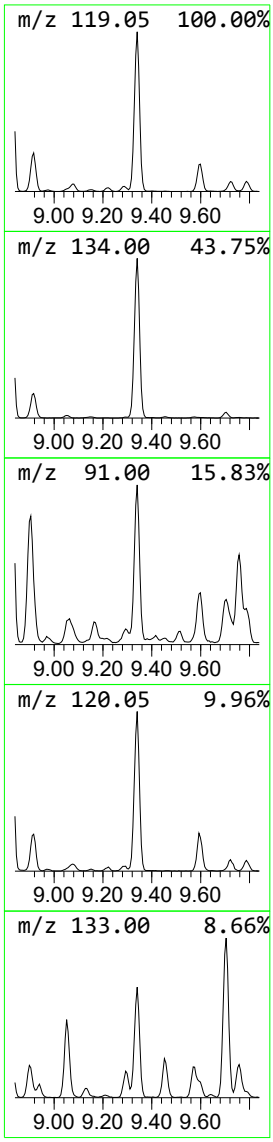
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****
Peak Number 5 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.340	10.39 ng	2523910	Naphthalene-d8	10.505

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
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Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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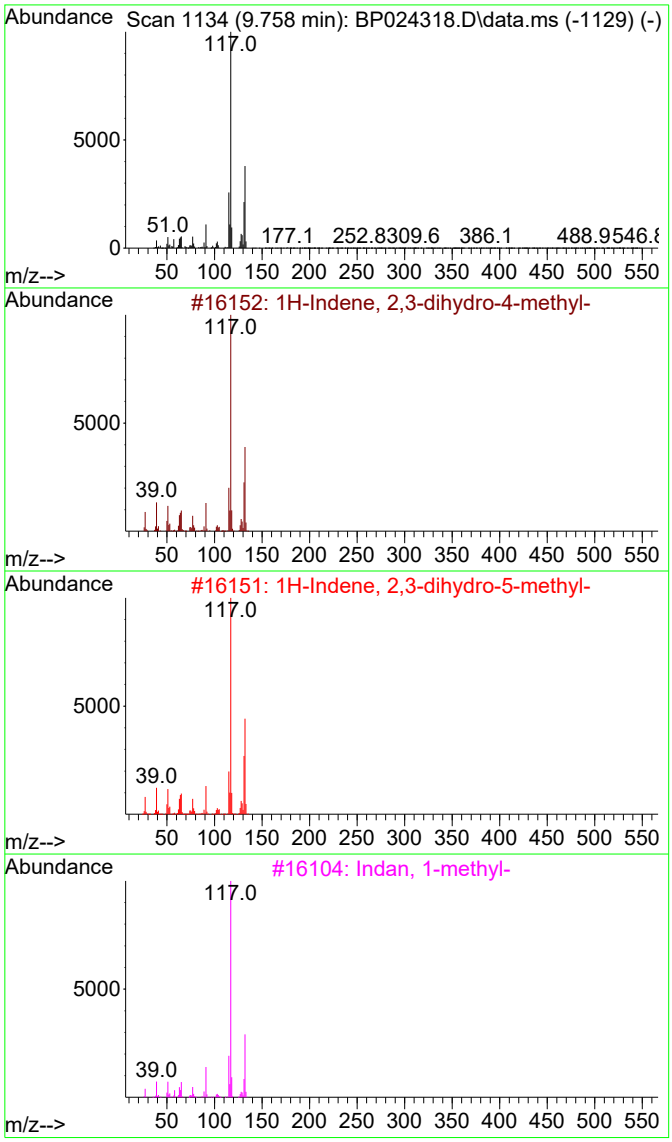
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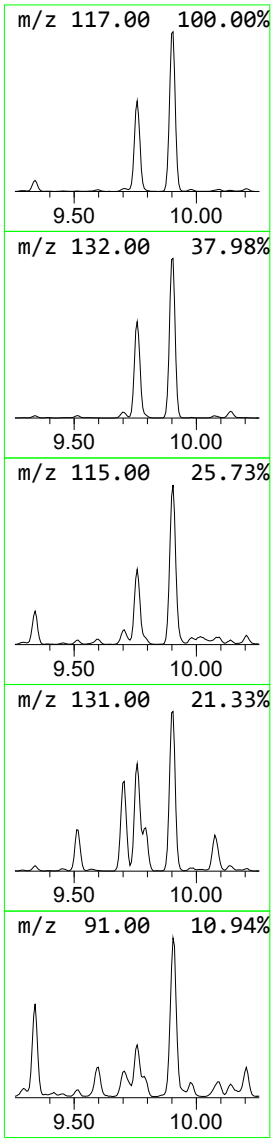
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TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.758	9.96 ng	2421260	Naphthalene-d8	10.505

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	86
3	Indan, 1-methyl-	132	C10H12	000767-58-8	81
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	80
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
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Sample : Q1762-02
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Instrument :
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ClientSampleId :
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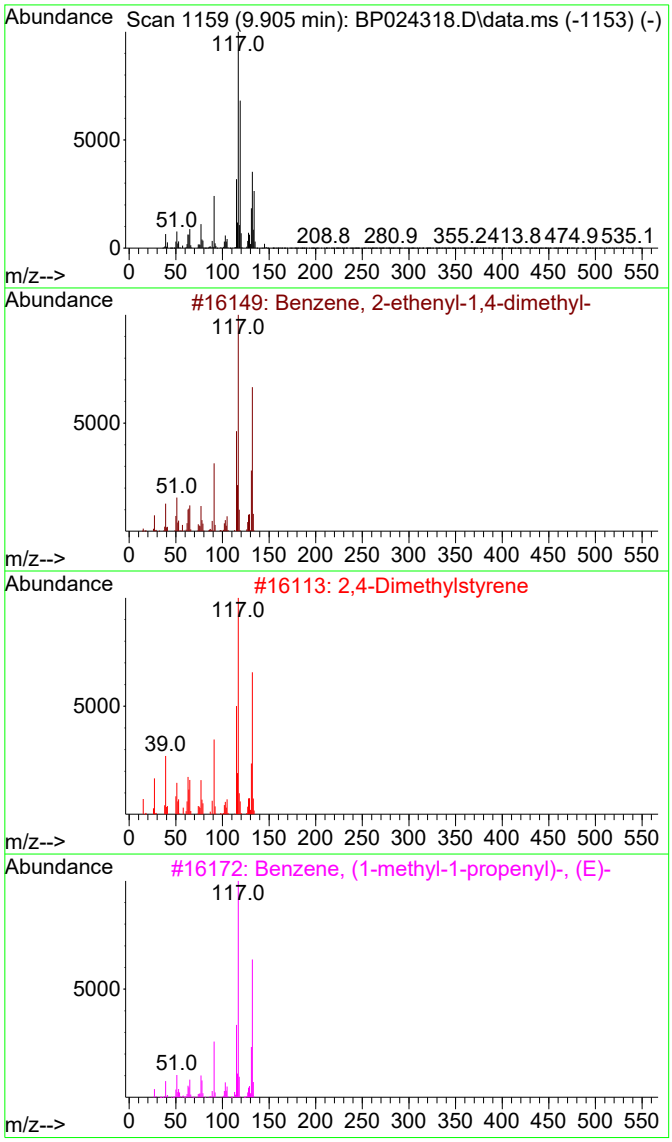
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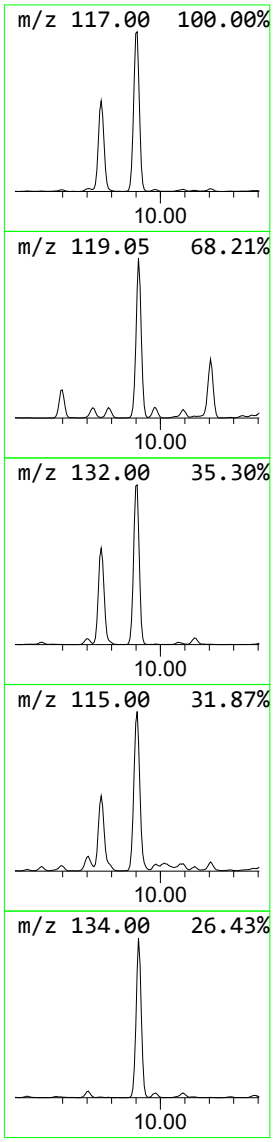
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TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.905	22.79 ng	5537680	Naphthalene-d8	10.505

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	87
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	86
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

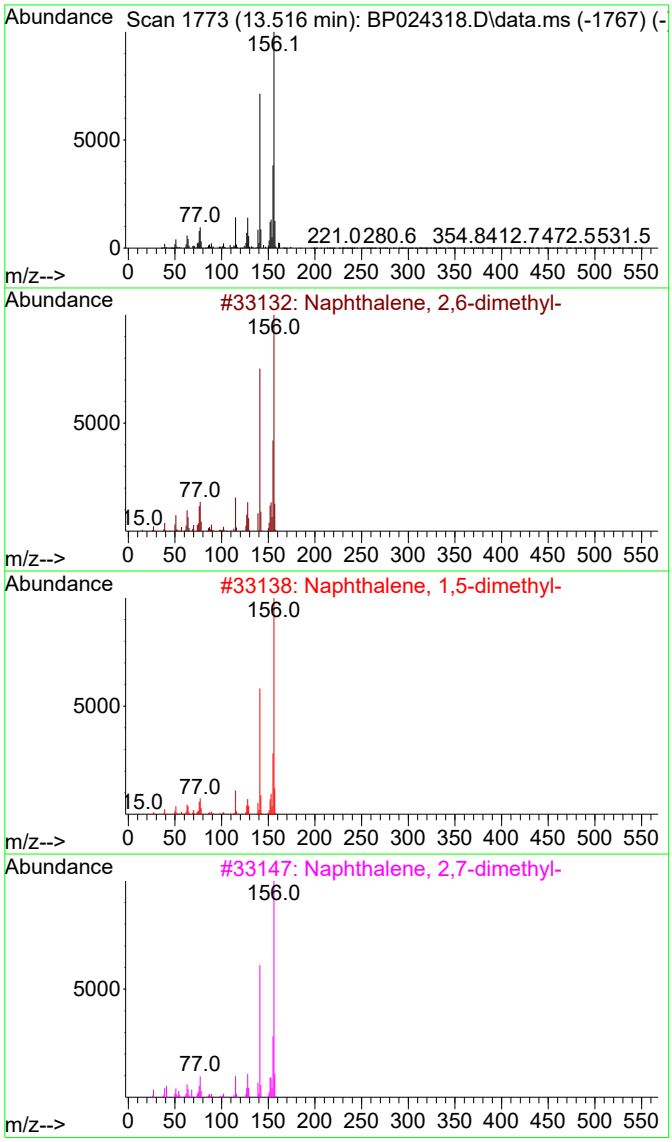
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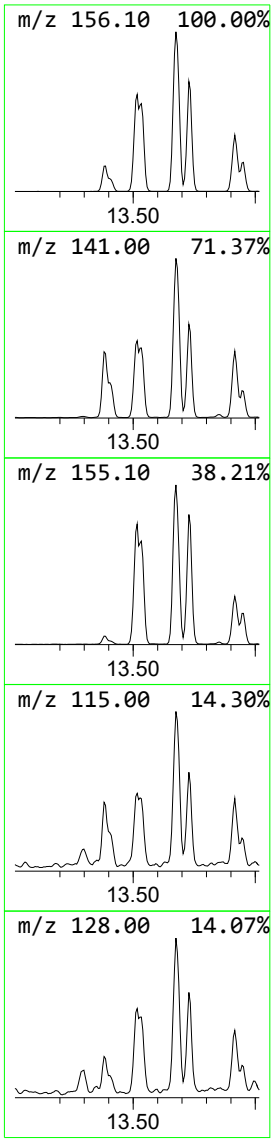
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Peak Number 8 Naphthalene, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.516	19.80 ng	3451870	Acenaphthene-d10	14.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
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ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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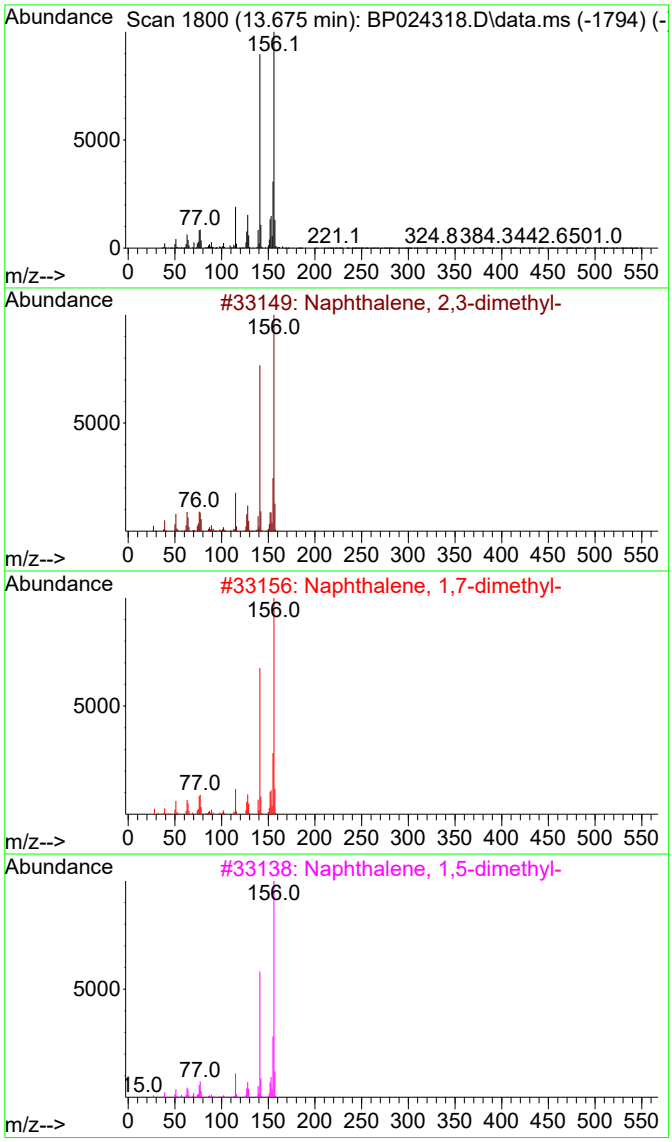
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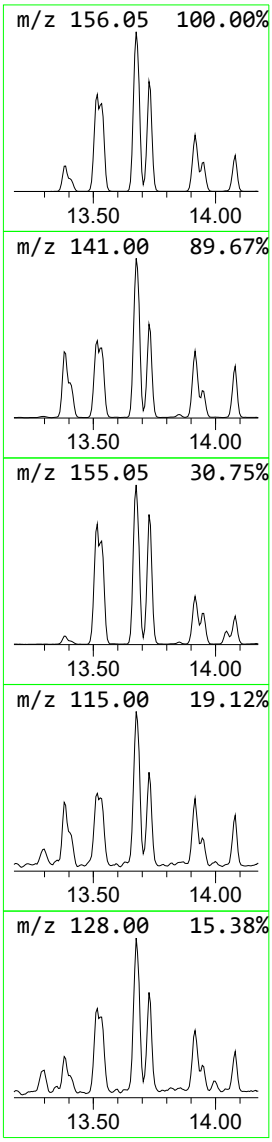
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Peak Number 9 Naphthalene, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.675	44.66 ng	7787590	Acenaphthene-d10	14.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

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ClientSampleId :
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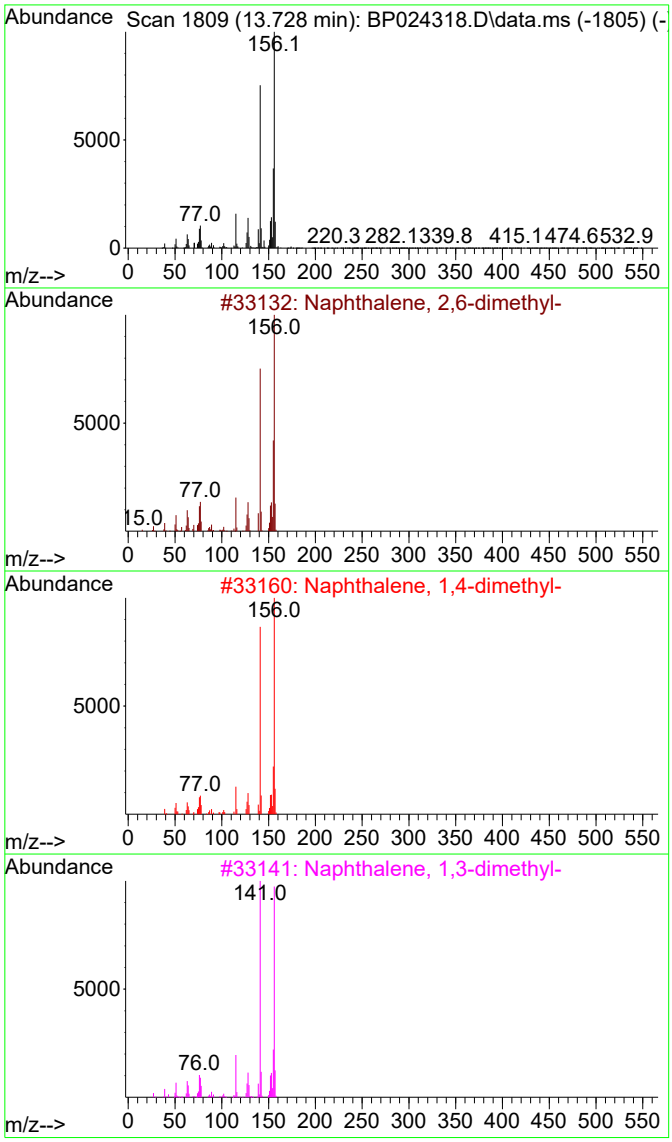
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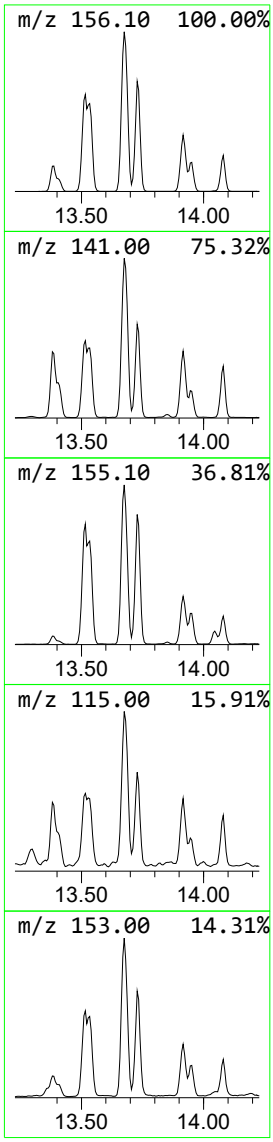
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Peak Number 10 Naphthalene, 1,4-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.728	24.84 ng	4331220	Acenaphthene-d10	14.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
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ALS Vial : 16 Sample Multiplier: 1

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ClientSampleId :
MW5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

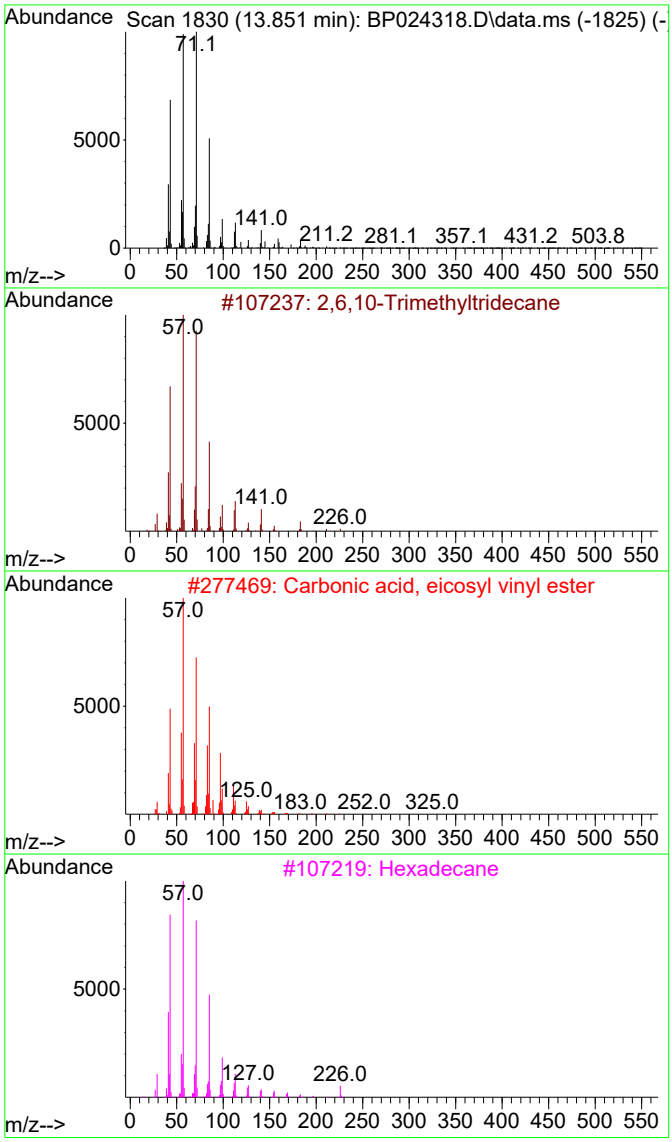
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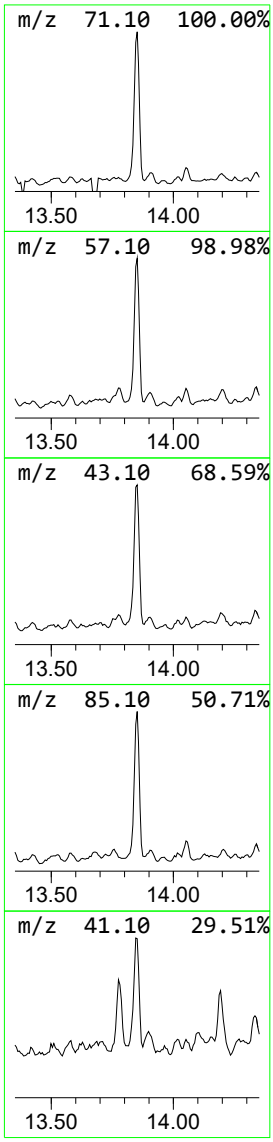
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Peak Number 11 2,6,10-Trimethyltridecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.851	10.02 ng	1748030	Acenaphthene-d10	14.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6,10-Trimethyltridecane	226	C16H34	003891-99-4	87
2	Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	86
3	Hexadecane	226	C16H34	000544-76-3	80
4	Hexadecane, 7-methyl-	240	C17H36	026730-20-1	64
5	Decane, 5,6-dipropyl-	226	C16H34	119209-20-0	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

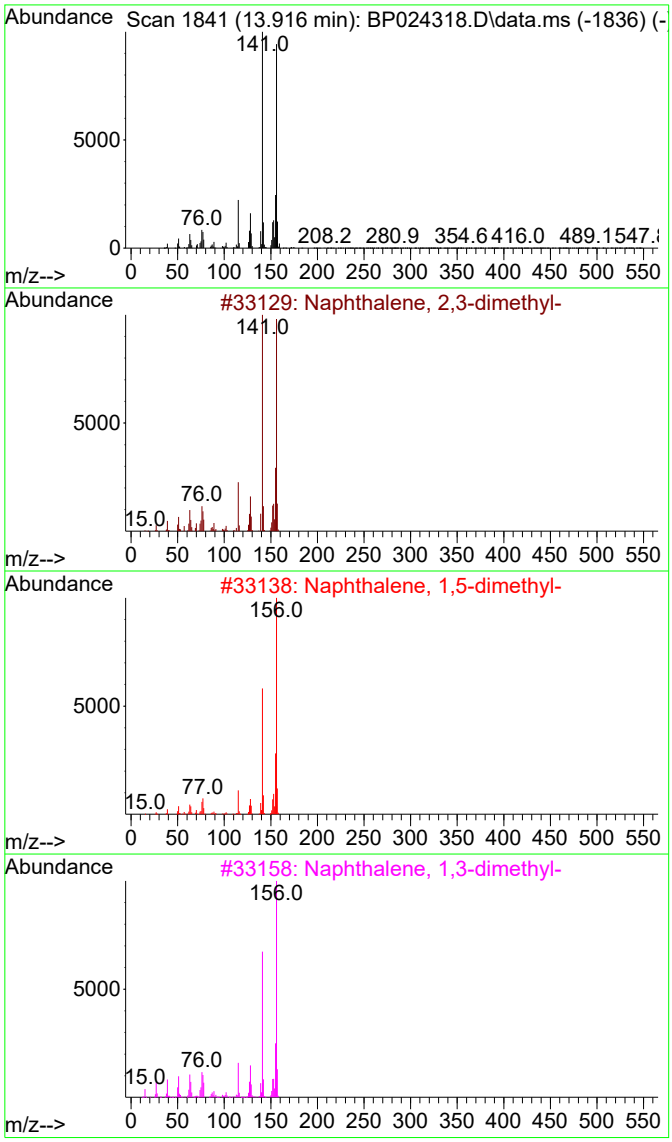
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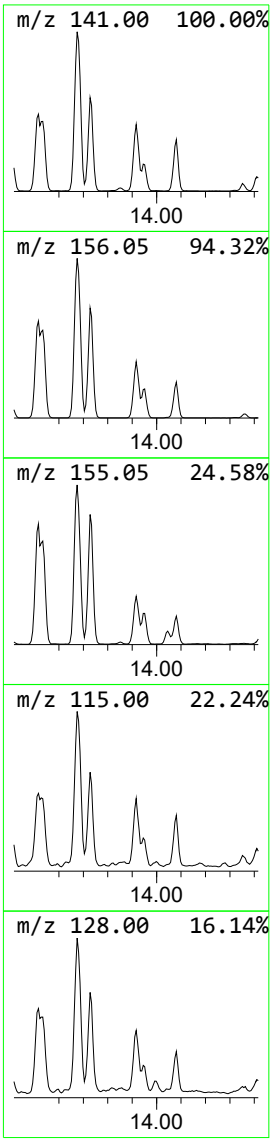
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Peak Number 12 Naphthalene, 1,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.916	15.82 ng	2757810	Acenaphthene-d10	14.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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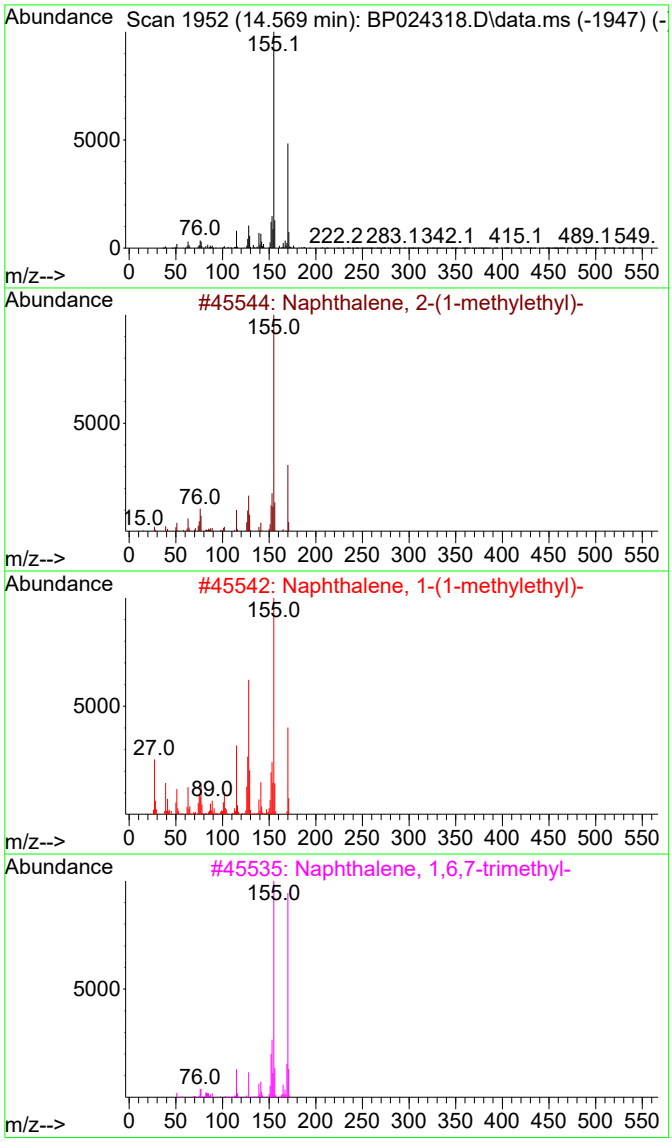
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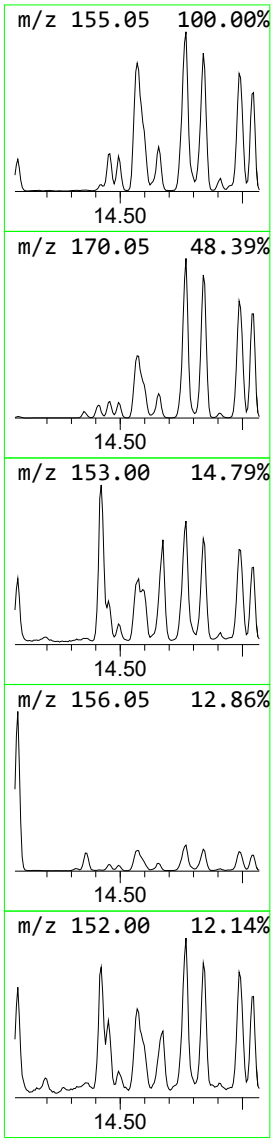
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Peak Number 13 Naphthalene, 2-(1-methyleth... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.569	11.52 ng	2009570	Acenaphthene-d10	14.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
2	Naphthalene, 1-(1-methylethyl)-	170	C13H14	006158-45-8	76
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	76
4	2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	72
5	Ethanone, 1-(1-Naphthalenyl)-	170	C12H10O	000941-98-0	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

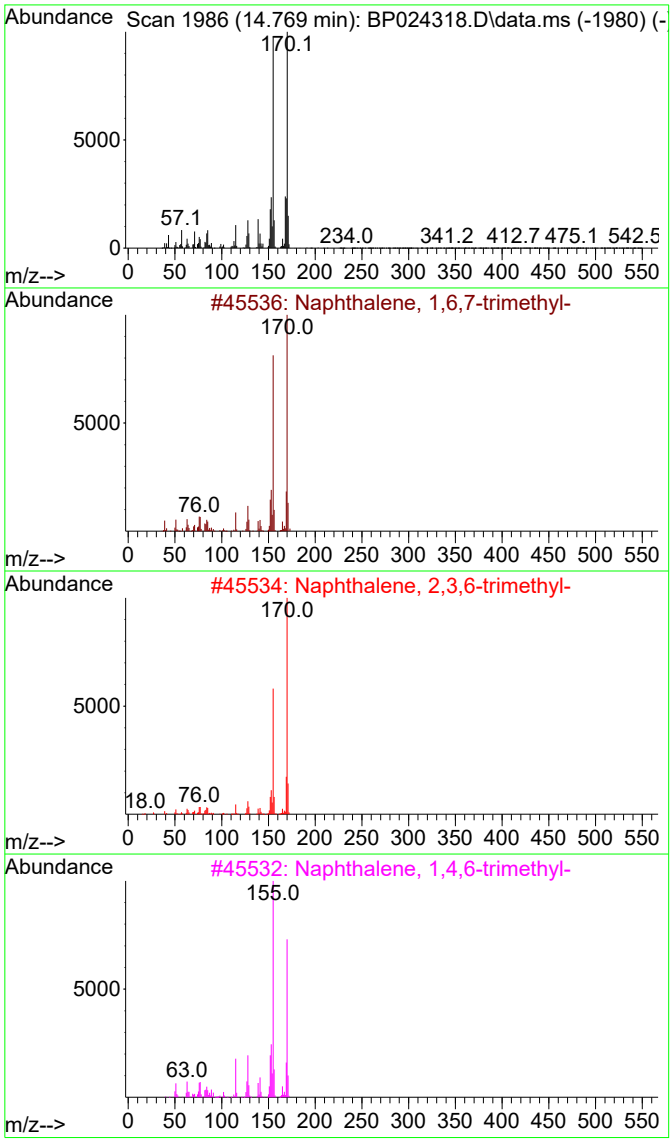
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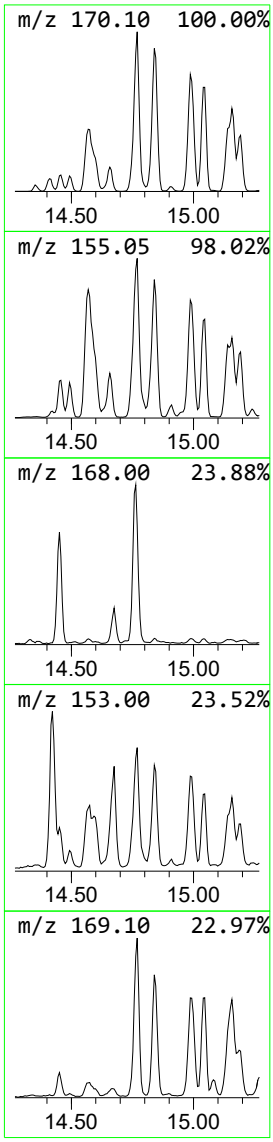
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Peak Number 14 Naphthalene, 1,6,7-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.769	12.38 ng	2159370	Acenaphthene-d10	14.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	90
5	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

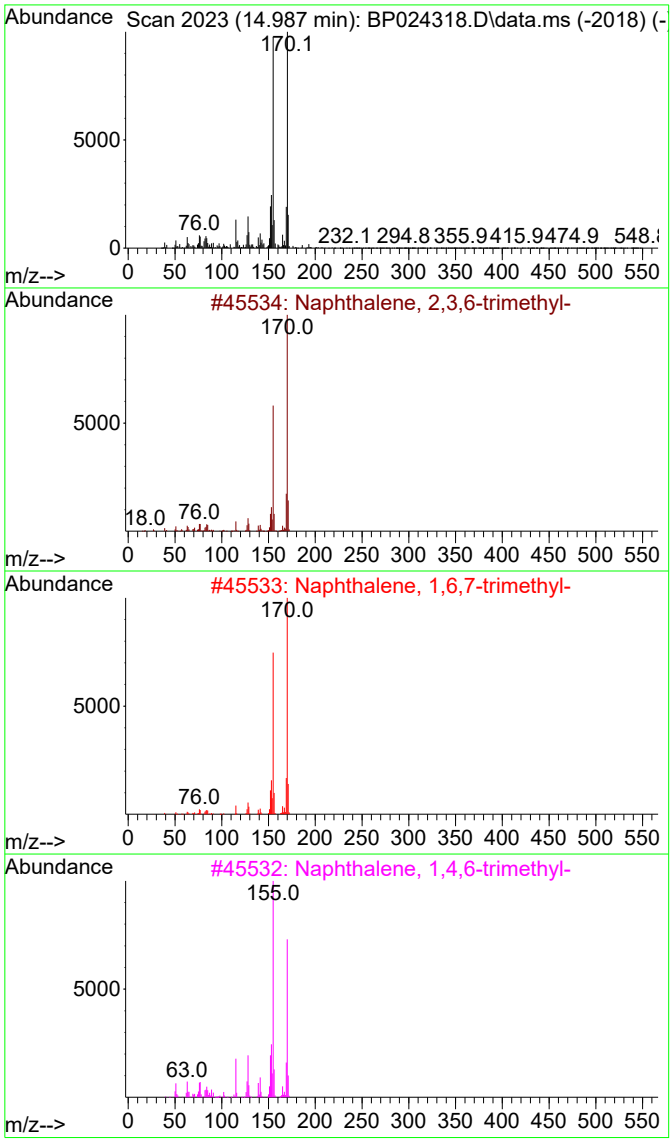
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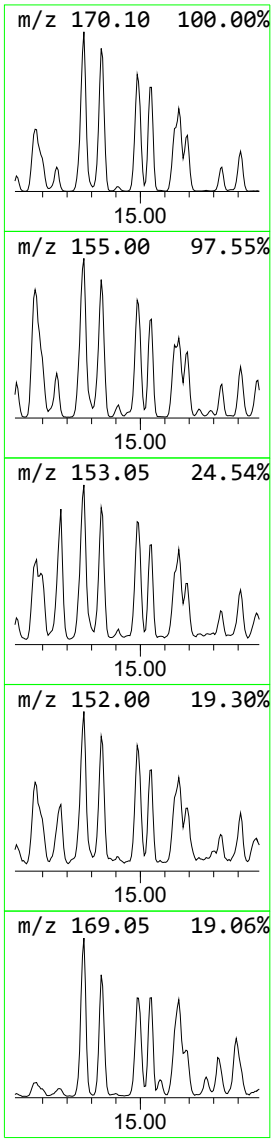
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Peak Number 15 Naphthalene, 2,3,6-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.987	10.65 ng	1857530	Acenaphthene-d10	14.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

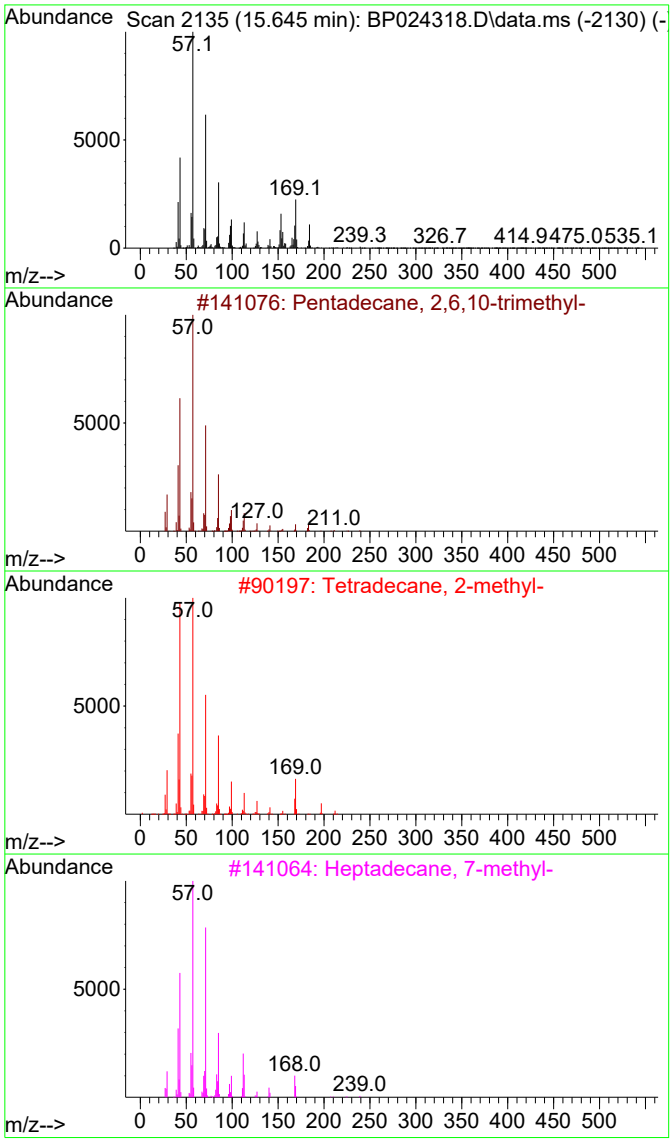
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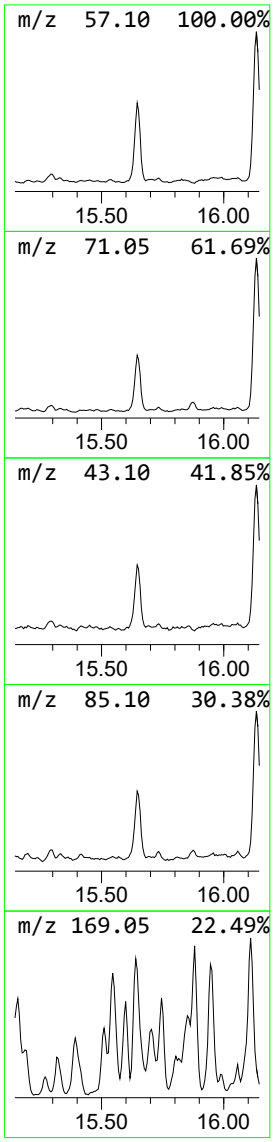
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Peak Number 16 Pentadecane, 2,6,10-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.645	11.55 ng	2014270	Acenaphthene-d10	14.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	78
2	Tetradecane, 2-methyl-	212	C15H32	001560-95-8	58
3	Heptadecane, 7-methyl-	254	C18H38	020959-33-5	52
4	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	49
5	Tridecane, 5-propyl-	226	C16H34	055045-11-9	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

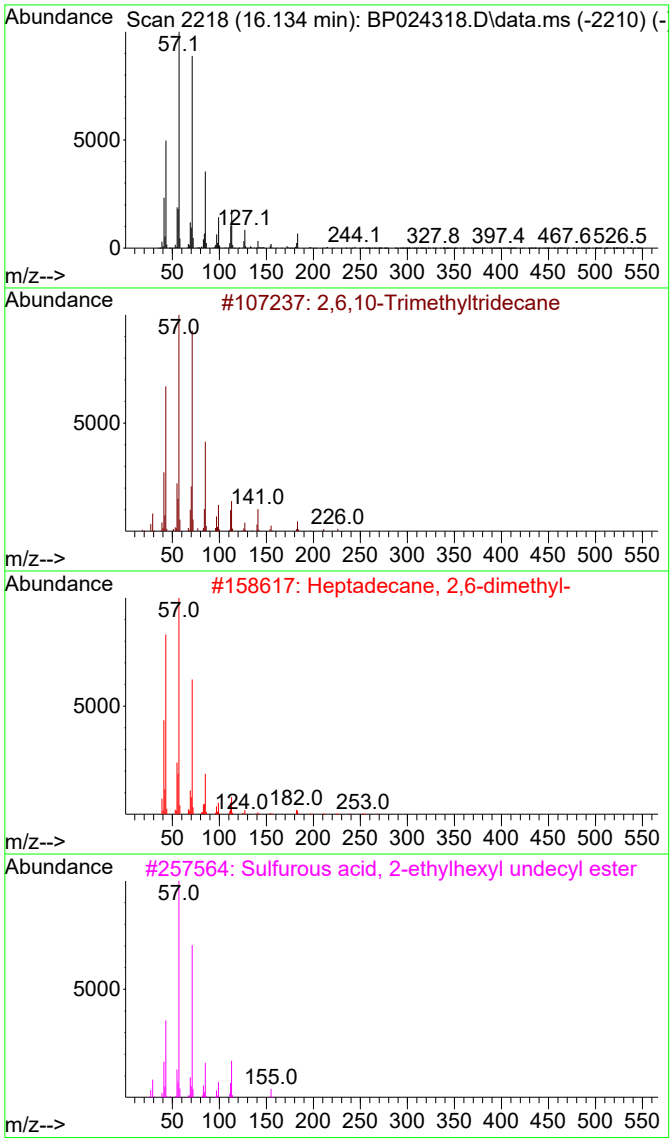
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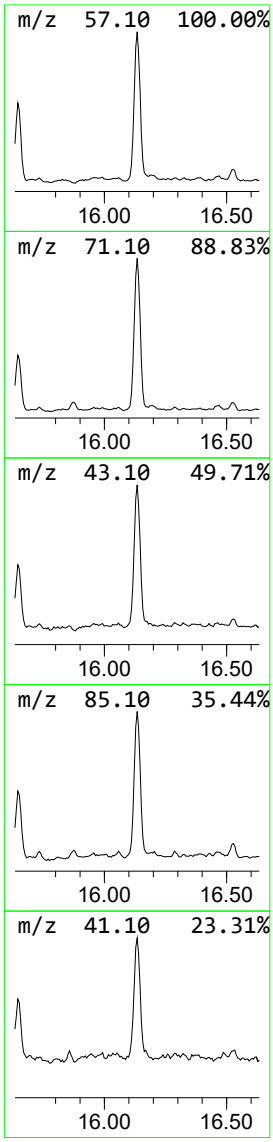
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Peak Number 17 Heptadecane, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.134	21.97 ng	3663840	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6,10-Trimethyltridecane	226	C16H34	003891-99-4	90
2	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	81
3	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	80
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	74
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

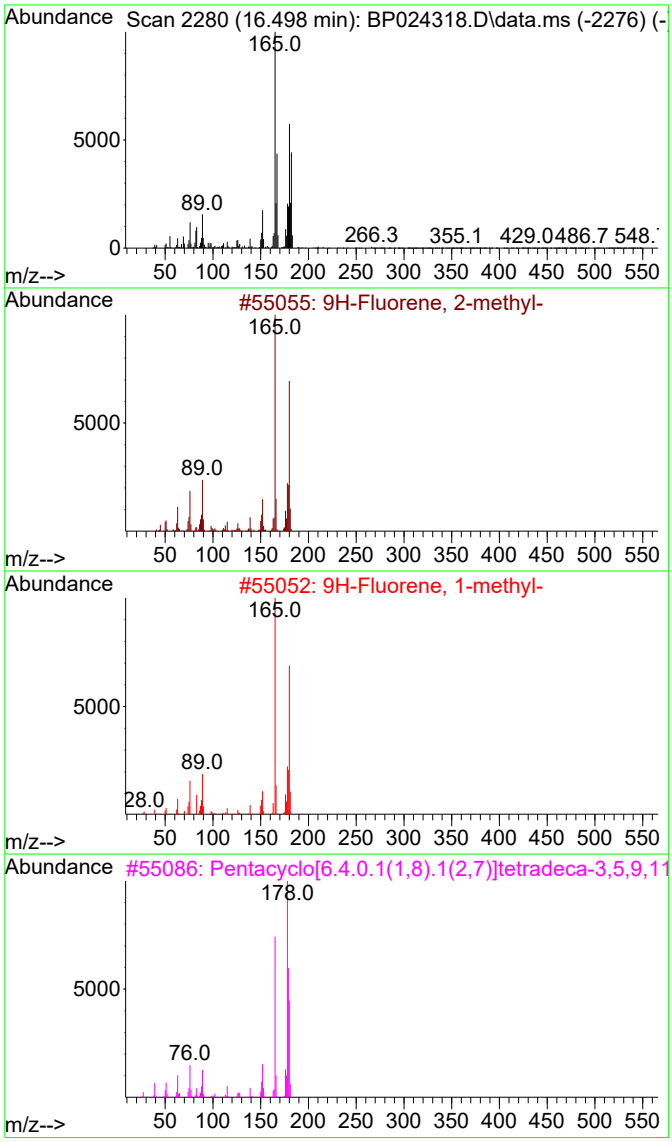
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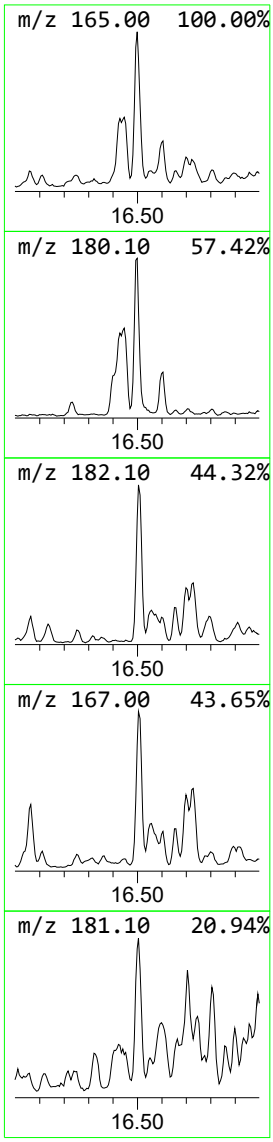
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Peak Number 18 9H-Fluorene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.498	9.87 ng	1646220	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	83
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	70
3	Pentacyclo[6.4.0.1(1,8).1(2,7)]t...	180	C14H12	086120-84-5	64
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	55
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

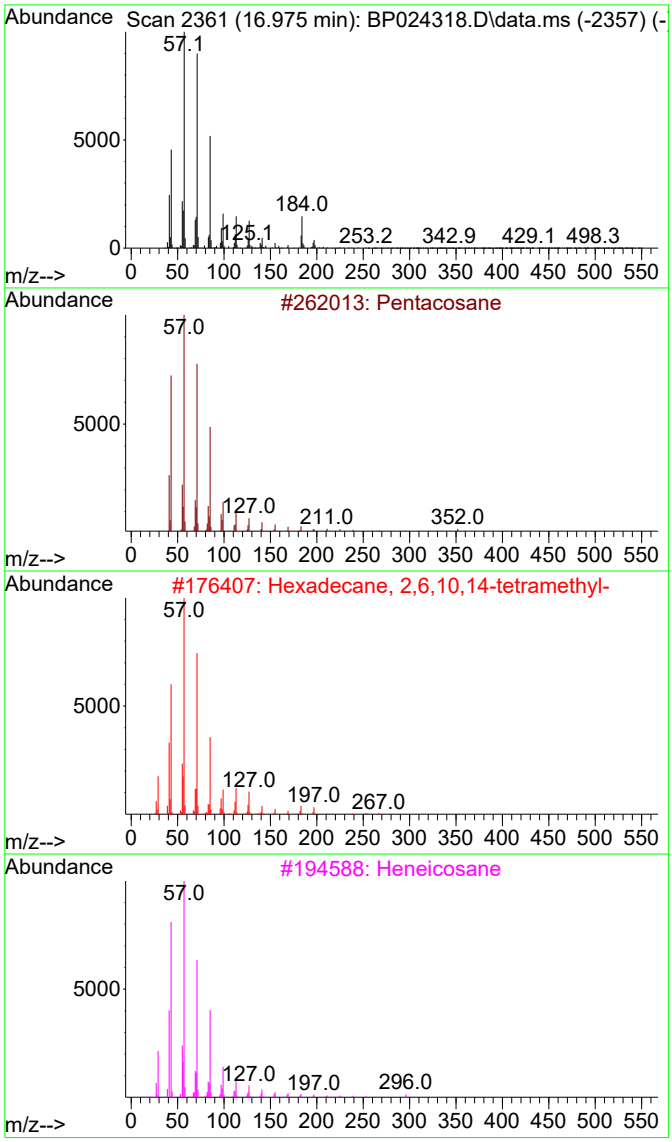
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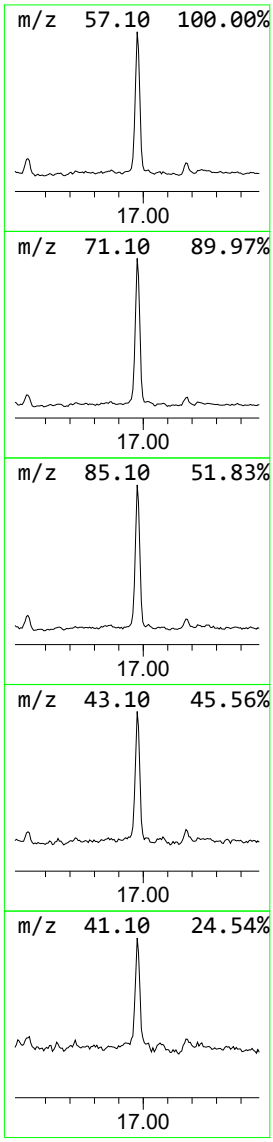
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Peak Number 19 Pentacosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.975	13.34 ng	2224050	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane	352	C25H52	000629-99-2	93
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	90
3	Heneicosane	296	C21H44	000629-94-7	86
4	Tridecane	184	C13H28	000629-50-5	86
5	2-Bromotetradecane	276	C14H29Br	074036-95-6	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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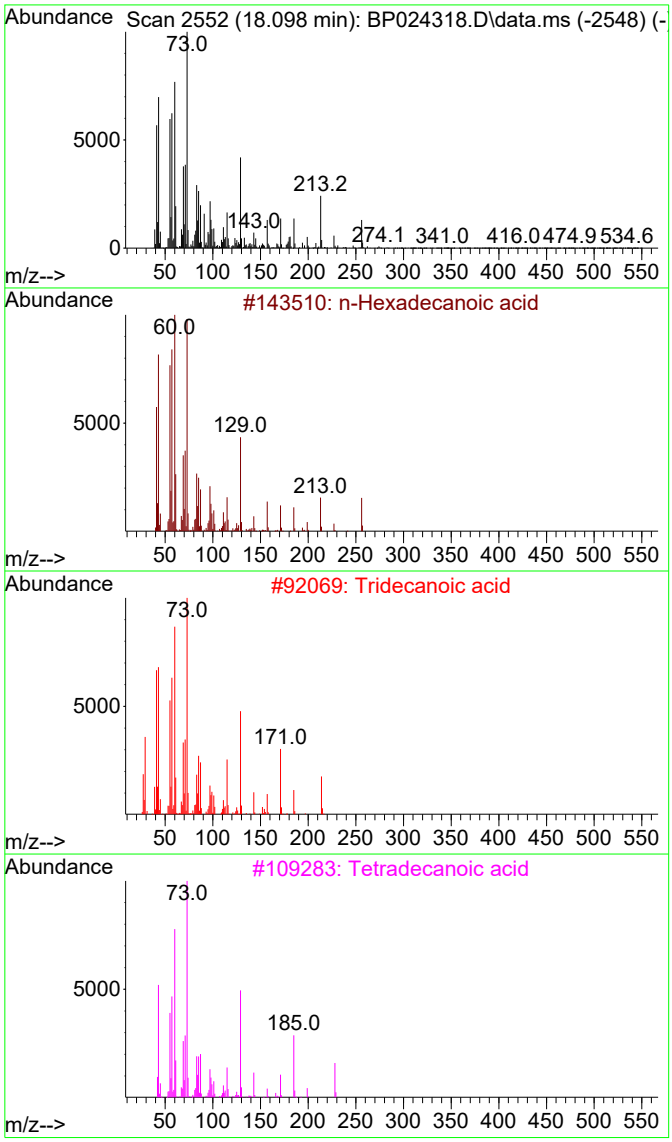
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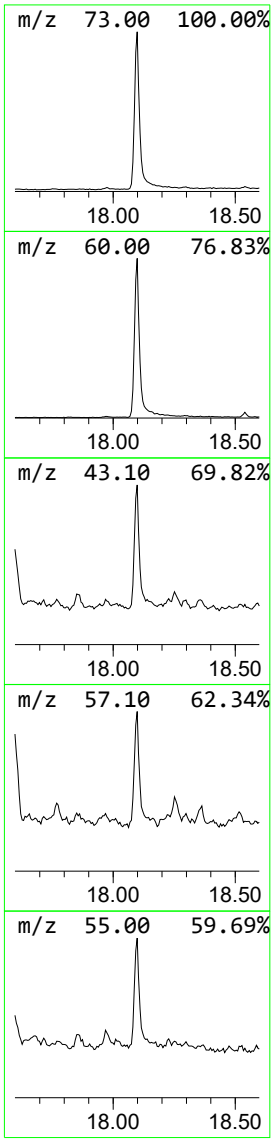
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Peak Number 20 n-Hexadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.098	12.48 ng	2081880	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
5	Undecanoic acid	186	C11H22O2	000112-37-8	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.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
Indane	8.099	30.6	ng	2930480	1	7.728	1918240	20.0
Benzene, 1,3-di...	8.216	14.2	ng	1360490	1	7.728	1918240	20.0
o-Cymene	8.822	51.4	ng	4927070	1	7.728	1918240	20.0
unknown9.063	9.063	9.5	ng	911671	1	7.728	1918240	20.0
Benzene, 1,2,4,...	9.340	10.4	ng	2523910	2	10.505	4860050	20.0
1H-Indene, 2,3-...	9.758	10.0	ng	2421260	2	10.505	4860050	20.0
Benzene, 2-ethe...	9.905	22.8	ng	5537680	2	10.505	4860050	20.0
Naphthalene, 2,...	13.516	19.8	ng	3451870	3	14.357	3487450	20.0
Naphthalene, 2,...	13.675	44.7	ng	7787590	3	14.357	3487450	20.0
Naphthalene, 1,...	13.728	24.8	ng	4331220	3	14.357	3487450	20.0
2,6,10-Trimethy...	13.851	10.0	ng	1748030	3	14.357	3487450	20.0
Naphthalene, 1,...	13.916	15.8	ng	2757810	3	14.357	3487450	20.0
Naphthalene, 2-...	14.569	11.5	ng	2009570	3	14.357	3487450	20.0
Naphthalene, 1,...	14.769	12.4	ng	2159370	3	14.357	3487450	20.0
Naphthalene, 2,...	14.987	10.7	ng	1857530	3	14.357	3487450	20.0
Pentadecane, 2,...	15.645	11.6	ng	2014270	3	14.357	3487450	20.0
Heptadecane, 2,...	16.134	22.0	ng	3663840	4	17.157	3335600	20.0
9H-Fluorene, 2-...	16.498	9.9	ng	1646220	4	17.157	3335600	20.0
Pentacosane	16.975	13.3	ng	2224050	4	17.157	3335600	20.0
n-Hexadecanoic ...	18.098	12.5	ng	2081880	4	17.157	3335600	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.: Q1762 SAS No.: Q1762 SDG No.: Q1762

Instrument ID: BNA_P Calibration Date(s): 04/14/2025 04/14/2025

Calibration Time(s): 11:06 17:13

LAB FILE ID: RRF2.5 = BP024275.D RRF005 = BP024276.D RRF010 = BP024277.D
RRF020 = BP024278.D RRF040 = BP024279.D RRF050 = BP024280.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.123	1.145	1.262	1.254	1.210	1.210	4.9
Benzaldehyde		0.943	0.934	0.942	0.836	0.732	0.819	15.7
Phenol-d6		1.463	1.552	1.718	1.748	1.697	1.656	6.7
Phenol		1.475	1.565	1.720	1.750	1.698	1.661	6.5
bis(2-Chloroethyl)ether		1.278	1.317	1.399	1.398	1.321	1.339	3.6
2-Chlorophenol		1.260	1.297	1.412	1.399	1.359	1.350	4.3
2-Methylphenol		0.915	1.002	1.123	1.140	1.105	1.075	8.0
2,2-oxybis(1-Chloropropane)		1.452	1.496	1.517	1.514	1.405	1.447	4.5
Acetophenone		0.470	0.487	0.522	0.519	0.490	0.495	3.8
3+4-Methylphenols		1.224	1.365	1.560	1.592	1.567	1.491	9.6
n-Nitroso-di-n-propylamine	0.941	1.008	1.008	1.088	1.084	1.041	1.025	4.8
Nitrobenzene-d5		0.322	0.337	0.367	0.368	0.357	0.351	4.8
Hexachloroethane		0.532	0.537	0.558	0.542	0.521	0.533	2.9
Nitrobenzene		0.328	0.334	0.362	0.364	0.349	0.347	4.0
Isophorone		0.575	0.601	0.653	0.673	0.650	0.635	5.4
2-Nitrophenol		0.130	0.143	0.172	0.183	0.184	0.170	14.0
2,4-Dimethylphenol		0.180	0.194	0.219	0.226	0.225	0.213	8.8
bis(2-Chloroethoxy)methane		0.412	0.426	0.444	0.452	0.430	0.429	3.5
2,4-Dichlorophenol		0.242	0.268	0.297	0.308	0.307	0.291	8.9
Naphthalene		1.044	1.054	1.091	1.079	1.037	1.054	2.3
4-Chloroaniline		0.328	0.349	0.389	0.397	0.378	0.371	6.5
Hexachlorobutadiene		0.181	0.181	0.186	0.189	0.181	0.183	1.6
Caprolactam		0.085	0.092	0.111	0.112	0.115	0.107	12.5
4-Chloro-3-methylphenol		0.284	0.310	0.349	0.357	0.356	0.339	8.8
2-Methylnaphthalene		0.700	0.720	0.755	0.755	0.733	0.731	2.9
Hexachlorocyclopentadiene		0.162	0.185	0.197	0.218	0.199	0.195	8.9
2,4,6-Trichlorophenol		0.301	0.335	0.369	0.389	0.386	0.366	9.5
2-Fluorobiphenyl		1.332	1.334	1.359	1.366	1.263	1.306	4.1
2,4,5-Trichlorophenol		0.332	0.371	0.409	0.427	0.429	0.405	9.6
1,1-Biphenyl		1.454	1.489	1.528	1.529	1.434	1.470	3.1
2-Chloronaphthalene		1.063	1.100	1.135	1.139	1.085	1.099	2.6
2-Nitroaniline		0.250	0.270	0.317	0.330	0.324	0.308	11.0
Dimethylphthalate		1.429	1.416	1.495	1.495	1.460	1.454	2.2
Acenaphthylene		1.604	1.680	1.793	1.814	1.726	1.730	4.1

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.: Q1762 SAS No.: Q1762 SDG No.: Q1762

Instrument ID: BNA_P Calibration Date(s): 04/14/2025 04/14/2025

Calibration Time(s): 11:06 17:13

LAB FILE ID: RRF2.5 = BP024275.D RRF005 = BP024276.D RRF010 = BP024277.D
RRF020 = BP024278.D RRF040 = BP024279.D RRF050 = BP024280.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.264	0.290	0.319	0.325	0.319	0.309	7.6
3-Nitroaniline		0.250	0.289	0.338	0.354	0.342	0.325	12.2
Acenaphthene		1.087	1.087	1.141	1.126	1.081	1.097	2.4
2,4-Dinitrophenol			0.125	0.163	0.186	0.196	0.182	18.2
4-Nitrophenol		0.190	0.231	0.289	0.305	0.306	0.280	17.9
Dibenzofuran		1.801	1.807	1.871	1.833	1.746	1.793	2.8
2,4-Dinitrotoluene		0.334	0.368	0.439	0.448	0.442	0.421	11.8
Diethylphthalate		1.451	1.484	1.528	1.550	1.499	1.499	2.2
4-Chlorophenyl-phenylether		0.667	0.675	0.699	0.680	0.667	0.674	2.0
Fluorene		1.376	1.397	1.454	1.398	1.368	1.388	2.4
4-Nitroaniline		0.263	0.300	0.353	0.369	0.364	0.344	13.0
4,6-Dinitro-2-methylphenol			0.095	0.118	0.131	0.134	0.126	13.5
n-Nitrosodiphenylamine		0.567	0.585	0.616	0.630	0.591	0.597	3.7
2,4,6-Tribromophenol		0.235	0.256	0.278	0.289	0.289	0.277	8.3
4-Bromophenyl-phenylether		0.203	0.212	0.220	0.230	0.220	0.219	4.1
Hexachlorobenzene		0.247	0.247	0.260	0.271	0.261	0.260	3.7
Atrazine		0.176	0.167	0.134	0.121	0.162	0.152	15.6
Pentachlorophenol		0.143	0.155	0.175	0.196	0.197	0.181	13.3
Phenanthrene		1.098	1.086	1.117	1.127	1.070	1.091	2.3
Anthracene		0.995	1.017	1.084	1.111	1.053	1.052	3.9
Carbazole		0.968	0.998	1.060	1.084	1.014	1.027	3.8
Di-n-butylphthalate		1.147	1.230	1.253	1.398	1.310	1.280	6.3
Fluoranthene		1.289	1.274	1.316	1.347	1.280	1.298	2.1
Pyrene		1.192	1.236	1.345	1.305	1.294	1.271	4.4
Terphenyl-d14		0.967	0.998	1.055	1.032	1.005	0.992	4.4
Butylbenzylphthalate		0.434	0.488	0.546	0.596	0.580	0.544	11.2
3,3-Dichlorobenzidine		0.345	0.383	0.431	0.486	0.463	0.436	12.3
Benzo(a)anthracene		1.195	1.214	1.292	1.293	1.234	1.243	3.1
Chrysene		1.180	1.181	1.229	1.213	1.173	1.191	1.9
Bis(2-ethylhexyl)phthalate		0.639	0.735	0.779	0.893	0.853	0.798	11.1
Di-n-octyl phthalate		0.945	1.093	1.222	1.461	1.430	1.297	16.5
Benzo(b)fluoranthene		1.130	1.174	1.217	1.258	1.196	1.199	3.3
Benzo(k)fluoranthene		1.088	1.131	1.217	1.212	1.154	1.158	3.9
Benzo(a)pyrene		0.939	0.971	1.057	1.091	1.053	1.034	5.4
Indeno(1,2,3-cd)pyrene		1.252	1.304	1.407	1.444	1.401	1.388	5.8

All other compounds must meet a minimum RRF of 0.010.

Raw Data

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6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1762 SAS No.: Q1762 SDG No.: Q1762

Instrument ID: BNA_P Calibration Date(s): 04/14/2025 04/14/2025

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LAB FILE ID: RRF2.5 = BP024275.D RRF005 = BP024276.D RRF010 = BP024277.D
RRF020 = BP024278.D RRF040 = BP024279.D RRF050 = BP024280.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo(a,h)anthracene		1.046	1.089	1.172	1.203	1.169	1.152	5.3
Benzo(g,h,i)perylene		1.073	1.110	1.198	1.218	1.180	1.173	5.0
1,2,4,5-Tetrachlorobenzene		0.522	0.538	0.568	0.576	0.544	0.550	3.3
1,4-Dioxane		0.551	0.517	0.552	0.512	0.481	0.512	6.1
2,3,4,6-Tetrachlorophenol		0.327	0.351	0.380	0.389	0.387	0.373	6.6

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-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Apr 15 04:48:42 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP024275.D 5 =BP024276.D 10 =BP024277.D 20 =BP024278.D 40 =BP024279.D 50 =BP024280.D 60 =BP024281.D 80 =BP0242
82.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.551	0.517	0.552	0.512	0.481	0.490	0.477	0.512	6.10
3)		Pyridine		1.265	1.280	1.422	1.396	1.333	1.383	1.378	1.351	4.43
4)		n-Nitrosodimet...		0.424	0.443	0.469	0.457	0.442	0.460	0.444	0.448	3.29
5)	S	2-Fluorophenol		1.123	1.145	1.262	1.254	1.210	1.277	1.196	1.210	4.93
6)		Aniline		1.439	1.487	1.636	1.587	1.403	1.428	1.380	1.480	6.52
7)	S	Phenol-d6		1.463	1.552	1.718	1.748	1.697	1.769	1.647	1.656	6.75
8)		2-Chlorophenol		1.260	1.297	1.412	1.399	1.359	1.400	1.328	1.350	4.30
9)		Benzaldehyde		0.943	0.934	0.942	0.836	0.732	0.726	0.621	0.819	15.70
10)	C	Phenol		1.475	1.565	1.720	1.750	1.698	1.779	1.643	1.661	6.54
11)		bis(2-Chloroet...		1.278	1.317	1.399	1.398	1.321	1.358	1.300	1.339	3.56
12)		1,3-Dichlorobe...		1.464	1.486	1.534	1.486	1.402	1.433	1.373	1.454	3.79
13)	C	1,4-Dichlorobe...		1.496	1.489	1.550	1.494	1.436	1.463	1.399	1.475	3.28
14)		1,2-Dichlorobe...		1.472	1.441	1.502	1.445	1.362	1.411	1.339	1.424	4.10
15)		Benzyl Alcohol		0.857	0.935	1.106	1.158	1.142	1.178	1.122	1.071	11.58
16)		2,2'-oxybis(1-...		1.452	1.496	1.517	1.514	1.405	1.397	1.348	1.447	4.54
17)		2-Methylphenol		0.915	1.002	1.123	1.140	1.105	1.150	1.087	1.075	7.97
18)		Hexachloroethane		0.532	0.537	0.558	0.542	0.521	0.533	0.510	0.533	2.88
19)	P	n-Nitroso-di-n...	0.941	1.008	1.008	1.088	1.084	1.041	1.038	0.989	1.025	4.76
20)		3+4-Methylphenols		1.224	1.365	1.560	1.592	1.567	1.607	1.525	1.491	9.57
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.470	0.487	0.522	0.519	0.490	0.495	0.483	0.495	3.85
23)	S	Nitrobenzene-d5		0.322	0.337	0.367	0.368	0.357	0.356	0.347	0.351	4.76
24)		Nitrobenzene		0.328	0.334	0.362	0.364	0.349	0.353	0.340	0.347	3.96
25)		Isophorone		0.575	0.601	0.653	0.673	0.650	0.654	0.639	0.635	5.41
26)	C	2-Nitrophenol		0.130	0.143	0.172	0.183	0.184	0.191	0.186	0.170	13.97
27)		2,4-Dimethylph...		0.180	0.194	0.219	0.226	0.225	0.228	0.221	0.213	8.81
28)		bis(2-Chloroet...		0.412	0.426	0.444	0.452	0.430	0.425	0.412	0.429	3.51
29)	C	2,4-Dichloroph...		0.242	0.268	0.297	0.308	0.307	0.311	0.302	0.291	8.94
30)		1,2,4-Trichlor...		0.308	0.305	0.318	0.321	0.309	0.315	0.306	0.311	2.00
31)		Naphthalene		1.044	1.054	1.091	1.079	1.037	1.048	1.023	1.054	2.27
32)		Benzoic acid			0.185	0.226	0.242	0.270	0.285	0.282	0.248	15.56
33)		4-Chloroaniline		0.328	0.349	0.389	0.397	0.378	0.379	0.378	0.371	6.46
34)	C	Hexachlorobuta...		0.181	0.181	0.186	0.189	0.181	0.182	0.182	0.183	1.62
35)		Caprolactam		0.085	0.092	0.111	0.112	0.115	0.121	0.115	0.107	12.53
36)	C	4-Chloro-3-met...		0.284	0.310	0.349	0.357	0.356	0.363	0.351	0.339	8.82
37)		2-Methylnaphth...		0.700	0.720	0.755	0.755	0.733	0.740	0.712	0.731	2.89
38)		1-Methylnaphth...		0.700	0.714	0.737	0.731	0.712	0.718	0.691	0.715	2.25

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP041425.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.522	0.538	0.568	0.576	0.544	0.549	0.552	0.550	3.33
41)	P	Hexachlorocycl...	0.162	0.185	0.197	0.218	0.199	0.197	0.204	0.195	8.92
42)	S	2,4,6-Tribromo...	0.235	0.256	0.278	0.289	0.289	0.296	0.294	0.277	8.29
43)	C	2,4,6-Trichlor...	0.301	0.335	0.369	0.389	0.386	0.390	0.390	0.366	9.51
44)		2,4,5-Trichlor...	0.332	0.371	0.409	0.427	0.429	0.436	0.430	0.405	9.62
45)	S	2-Fluorobiphenyl	1.332	1.334	1.359	1.366	1.263	1.251	1.240	1.306	4.08
46)		1,1'-Biphenyl	1.454	1.489	1.528	1.529	1.434	1.428	1.429	1.470	3.07
47)		2-Chloronaphth...	1.063	1.100	1.135	1.139	1.085	1.090	1.078	1.099	2.60
48)		2-Nitroaniline	0.250	0.270	0.317	0.330	0.324	0.335	0.331	0.308	10.98
49)		Acenaphthylene	1.604	1.680	1.793	1.814	1.726	1.763	1.730	1.730	4.11
50)		Dimethylphthalate	1.429	1.416	1.495	1.495	1.460	1.460	1.426	1.454	2.22
51)		2,6-Dinitrotol...	0.264	0.290	0.319	0.325	0.319	0.328	0.317	0.309	7.58
52)	C	Acenaphthene	1.087	1.087	1.141	1.126	1.081	1.079	1.076	1.097	2.35
53)		3-Nitroaniline	0.250	0.289	0.338	0.354	0.342	0.340	0.358	0.325	12.25
54)	P	2,4-Dinitrophenol		0.125	0.163	0.186	0.196	0.210	0.211	0.182	18.22
55)		Dibenzofuran	1.801	1.807	1.871	1.833	1.746	1.768	1.723	1.793	2.84
56)	P	4-Nitrophenol	0.190	0.231	0.289	0.305	0.306	0.323	0.317	0.280	17.90
57)		2,4-Dinitrotol...	0.334	0.368	0.439	0.448	0.442	0.463	0.456	0.421	11.82
58)		Fluorene	1.376	1.397	1.454	1.398	1.368	1.366	1.356	1.388	2.40
59)		2,3,4,6-Tetrac...	0.327	0.351	0.380	0.389	0.387	0.390	0.389	0.373	6.57
60)		Diethylphthalate	1.451	1.484	1.528	1.550	1.499	1.499	1.481	1.499	2.16
61)		4-Chlorophenyl...	0.667	0.675	0.699	0.680	0.667	0.670	0.659	0.674	1.95
62)		4-Nitroaniline	0.263	0.300	0.353	0.369	0.364	0.380	0.376	0.344	12.99
63)		Azobenzene	1.269	1.383	1.446	1.431	1.385	1.385	1.344	1.378	4.26
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.095	0.118	0.131	0.134	0.140	0.138	0.126	13.50
66)	c	n-Nitrosodiphe...	0.567	0.585	0.616	0.630	0.591	0.608	0.580	0.597	3.71
67)		4-Bromophenyl-...	0.203	0.212	0.220	0.230	0.220	0.225	0.222	0.219	4.11
68)		Hexachlorobenzene	0.247	0.247	0.260	0.271	0.261	0.269	0.263	0.260	3.67
69)		Atrazine	0.176	0.167	0.134	0.121	0.162			0.152	15.57
70)	C	Pentachlorophenol	0.143	0.155	0.175	0.196	0.197	0.203	0.201	0.181	13.35
71)		Phenanthrene	1.098	1.086	1.117	1.127	1.070	1.082	1.058	1.091	2.27
72)		Anthracene	0.995	1.017	1.084	1.111	1.053	1.071	1.030	1.052	3.85
73)		Carbazole	0.968	0.998	1.060	1.084	1.014	1.037	1.031	1.027	3.78
74)		Di-n-butylphth...	1.147	1.230	1.253	1.398	1.310	1.338	1.284	1.280	6.30
75)	C	Fluoranthene	1.289	1.274	1.316	1.347	1.280	1.304	1.274	1.298	2.07
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.144	0.141	0.109	0.436	0.333	0.302	0.307	0.254	48.39
78)		Pyrene	1.192	1.236	1.345	1.305	1.294	1.305	1.219	1.271	4.38
79)	S	Terphenyl-d14	0.967	0.998	1.055	1.032	1.005	0.964	0.926	0.992	4.42
80)		Butylbenzylpht...	0.434	0.488	0.546	0.596	0.580	0.593	0.574	0.544	11.25
81)		Benzo(a)anthra...	1.195	1.214	1.292	1.293	1.234	1.253	1.221	1.243	3.08
82)		3,3'-Dichlorob...	0.345	0.383	0.431	0.486	0.463	0.485	0.460	0.436	12.30
83)		Chrysene	1.180	1.181	1.229	1.213	1.173	1.193	1.167	1.191	1.88
84)		Bis(2-ethylhex...	0.639	0.735	0.779	0.893	0.853	0.867	0.819	0.798	11.09
85)	c	Di-n-octyl pht...	0.945	1.093	1.222	1.461	1.430	1.486	1.446	1.297	16.46

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP041425.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.252	1.304	1.407	1.444	1.401	1.445	1.466	1.388	5.77
88)		Benzo(b)fluora...	1.130	1.174	1.217	1.258	1.196	1.205	1.212	1.199	3.30
89)		Benzo(k)fluora...	1.088	1.131	1.217	1.212	1.154	1.166	1.138	1.158	3.94
90)	C	Benzo(a)pyrene	0.939	0.971	1.057	1.091	1.053	1.070	1.058	1.034	5.44
91)		Dibenzo(a,h)an...	1.046	1.089	1.172	1.203	1.169	1.186	1.202	1.152	5.28
92)		Benzo(g,h,i)pe...	1.073	1.110	1.198	1.218	1.180	1.209	1.224	1.173	4.99

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024275.D
Acq On : 14 Apr 2025 11:06
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 14 17:26:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	229109	20.000	ng	0.00
21) Naphthalene-d8	10.505	136	962244	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	614109	20.000	ng	0.00
64) Phenanthrene-d10	17.181	188	1238206	20.000	ng	0.02
76) Chrysene-d12	21.616	240	1367665	20.000	ng	0.00
86) Perylene-d12	24.980	264	1473609	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.528	70	26959	2.285	ng	96

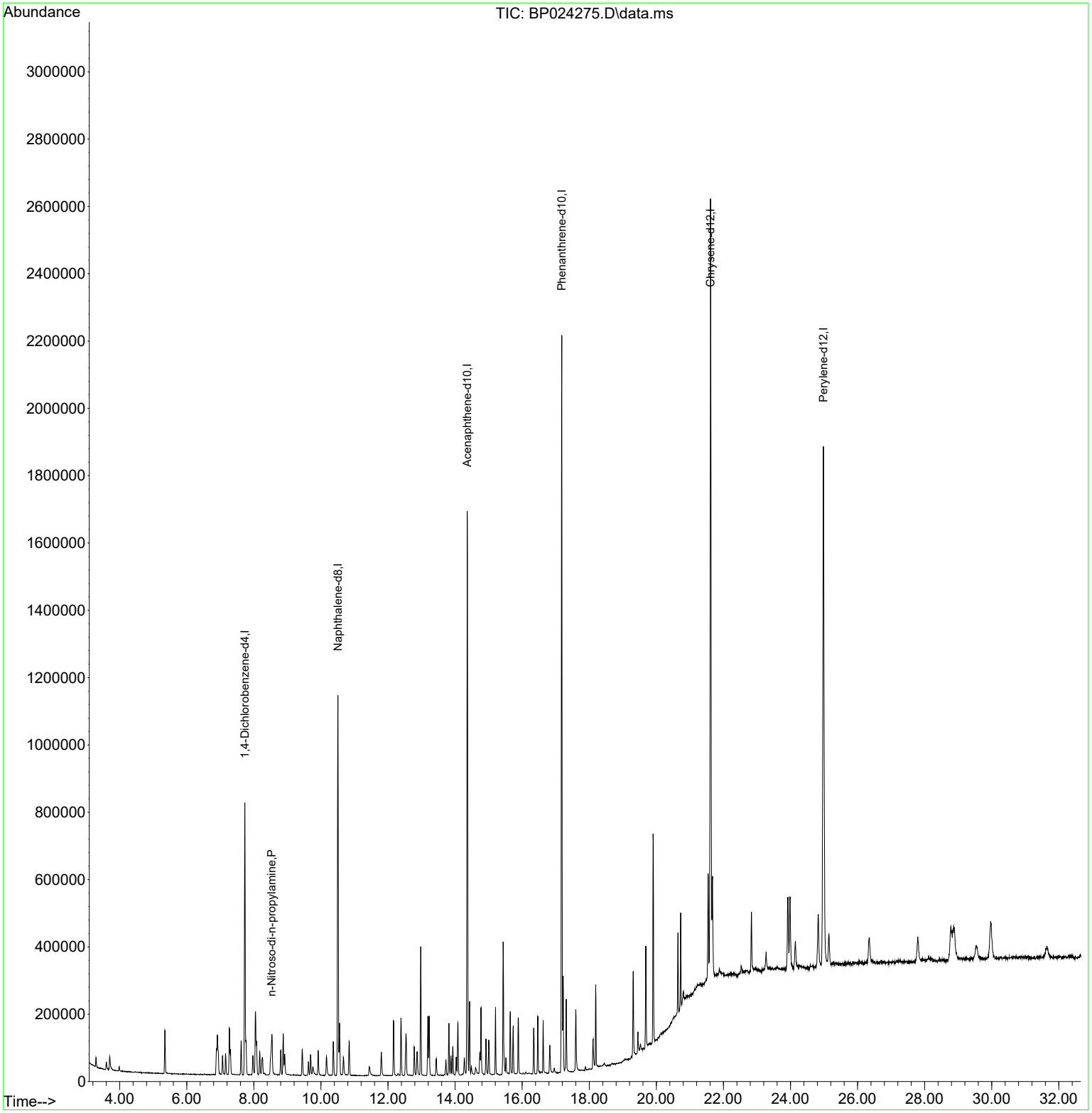
(#) = qualifier out of range (m) = manual integration (+) = signals summed

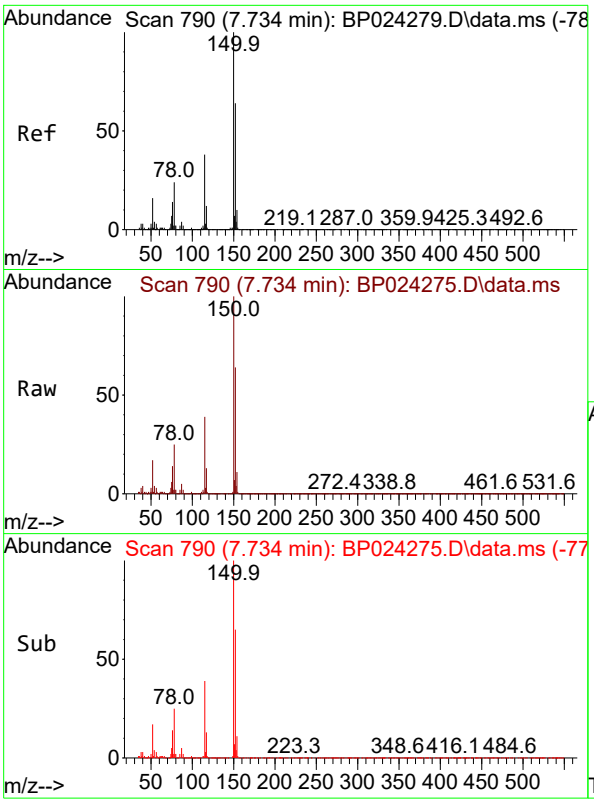
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024275.D
Acq On : 14 Apr 2025 11:06
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 14 17:26:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



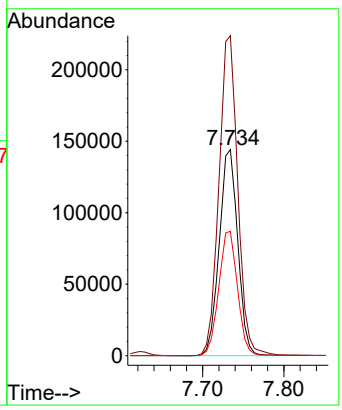


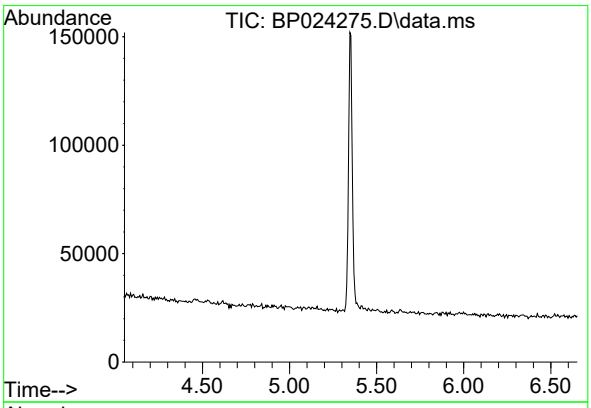
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 229109

Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.9	187.3
115	60.4	47.7	71.5



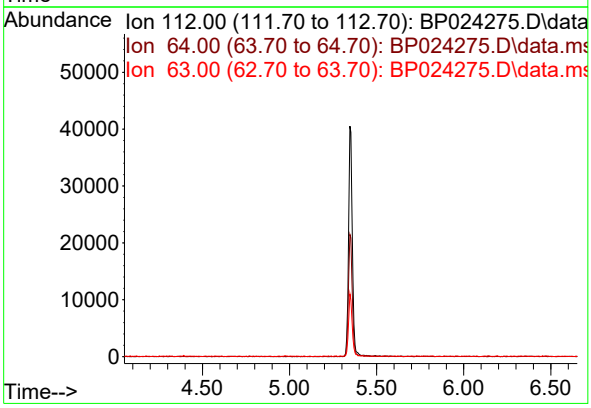


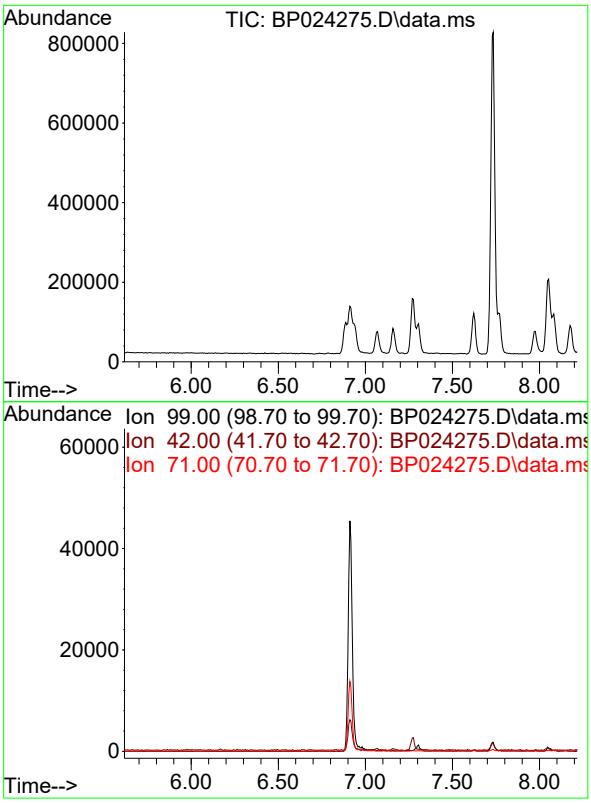
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.35 min

Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	51.4
63	25.7





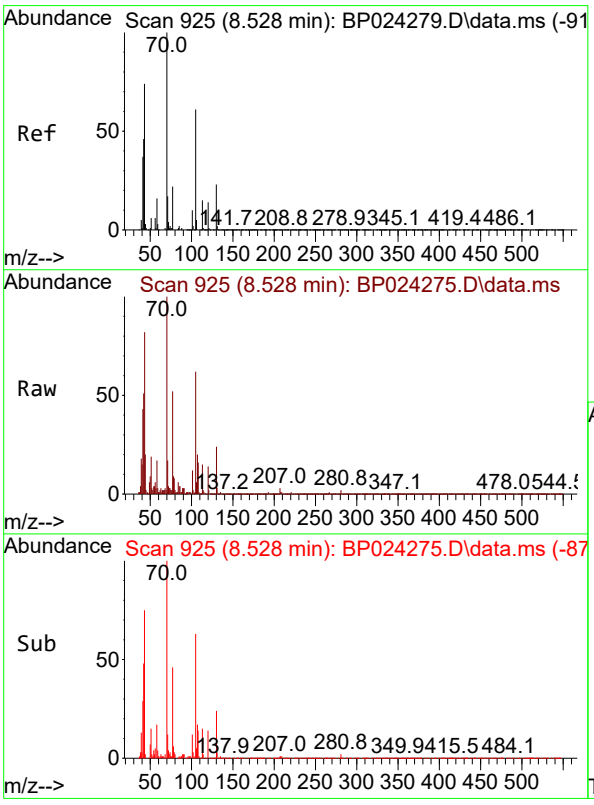
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.92 min

Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

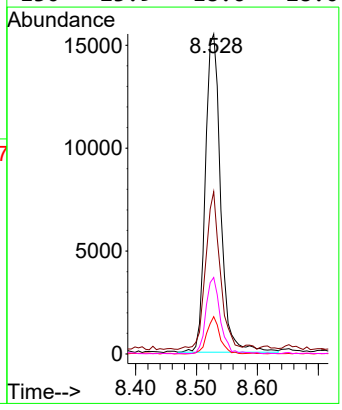
Sig	Exp Ratio
99	100
42	13.3
71	29.6

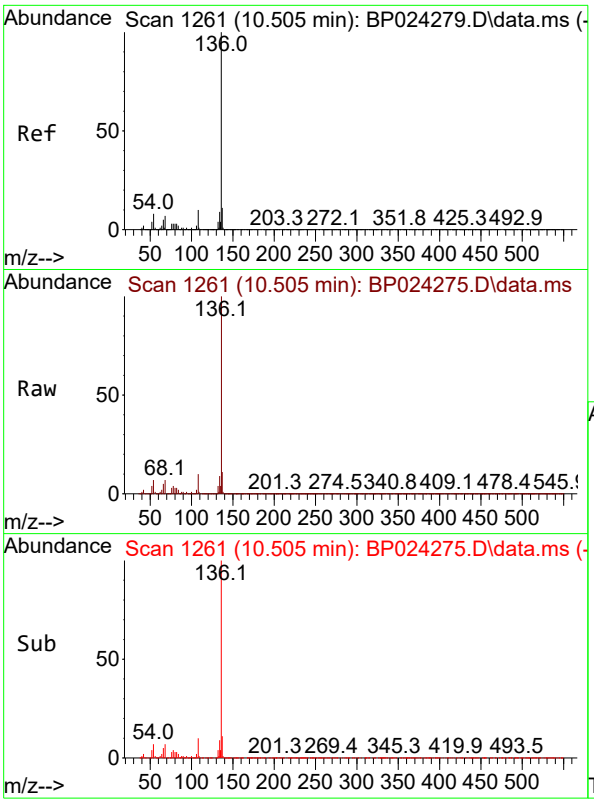


#19
n-Nitroso-di-n-propylamine
Concen: 2.285 ng
RT: 8.528 min Scan# 925
Delta R.T. 0.000 min
Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Tgt Ion: 70 Resp: 26959

Ion	Ratio	Lower	Upper
70	100		
42	50.7	37.3	55.9
101	11.7	8.2	12.4
130	23.9	18.6	28.0



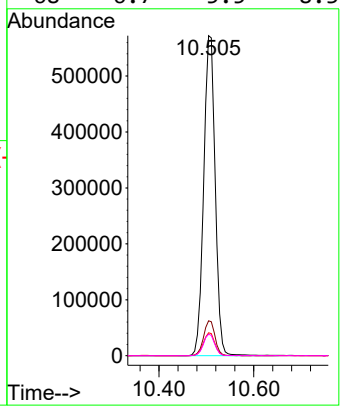


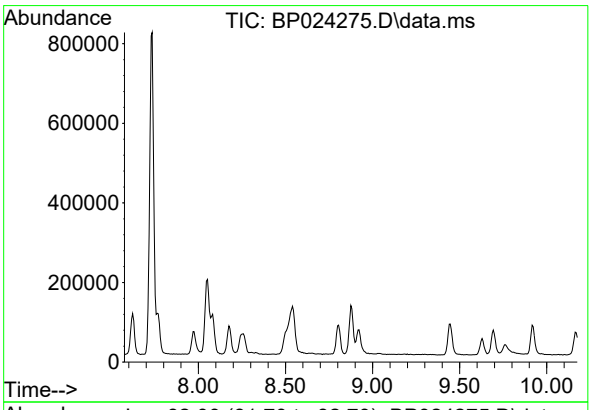
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 962244

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.2	6.0	9.0
68	6.7	5.5	8.3



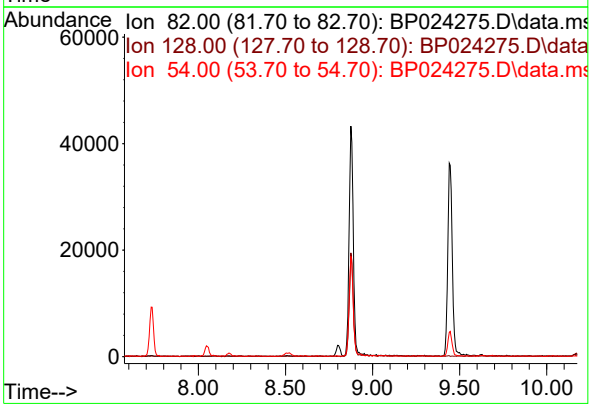


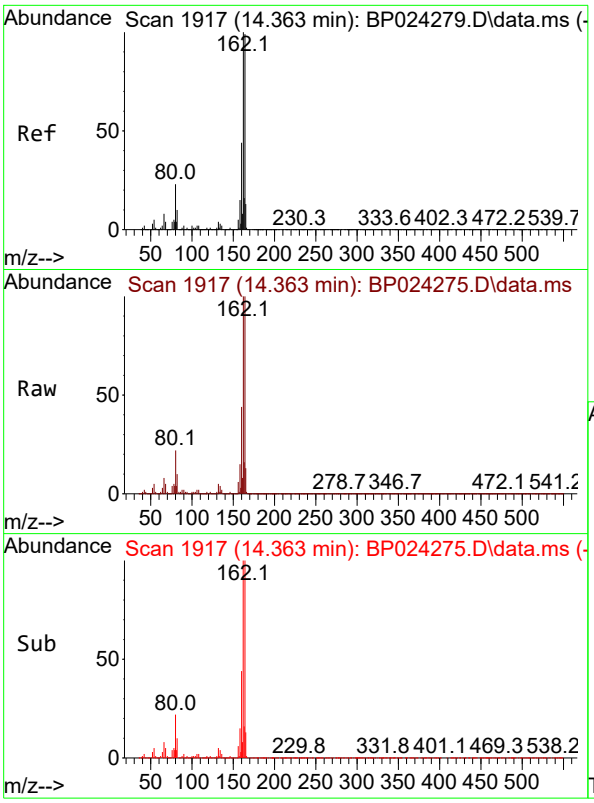
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.88 min

Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	45.6
54	41.8



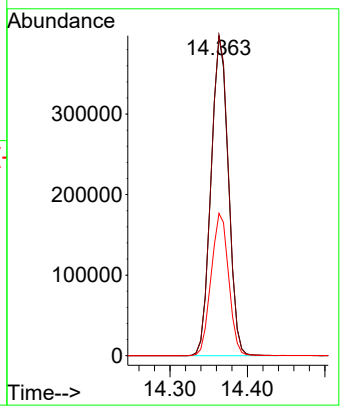


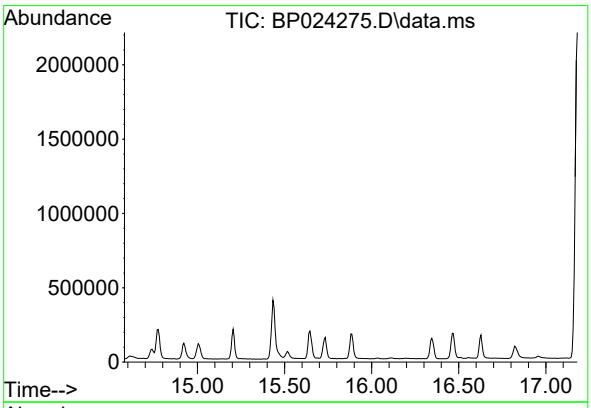
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 614109

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.6	120.8
160	44.5	35.3	52.9



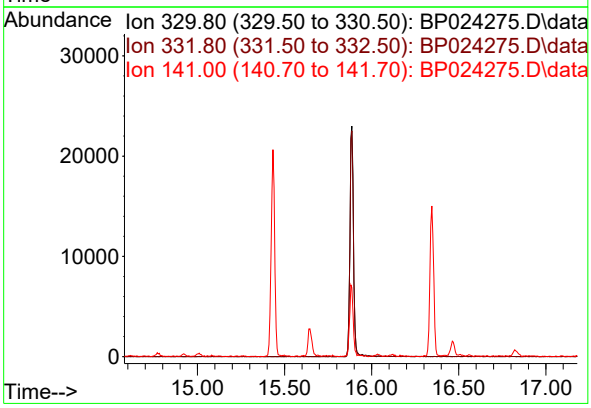


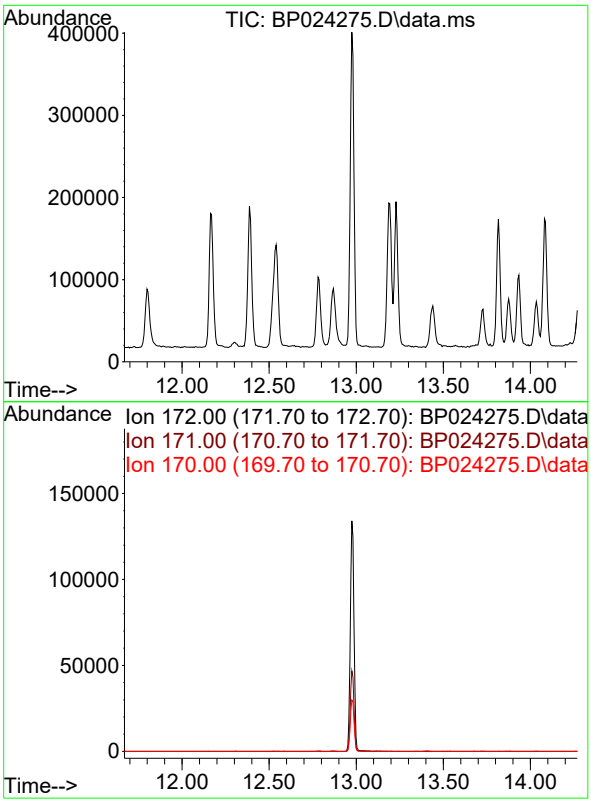
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.88 min

Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.4
141	30.9





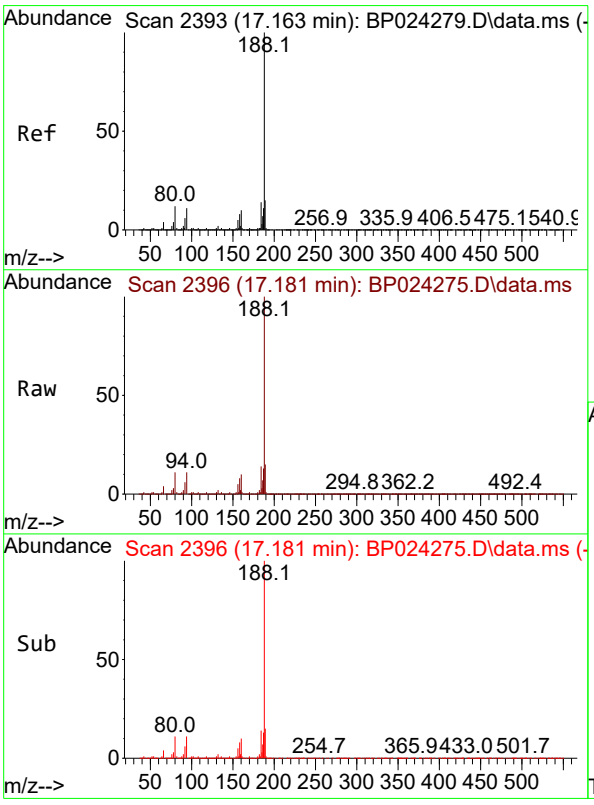
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 12.97 min

Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

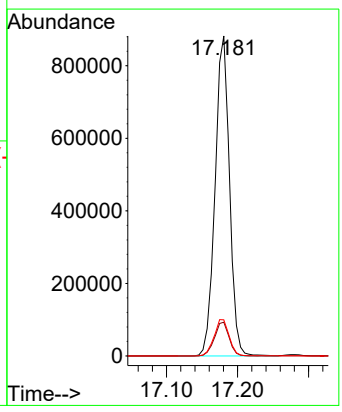
Sig	Exp Ratio
172	100
171	35.2
170	23.2

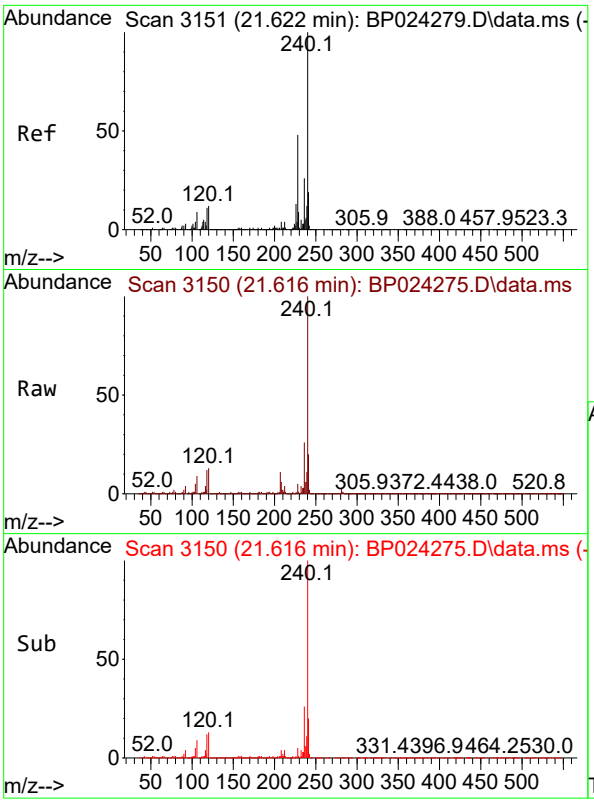


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.181 min Scan# 2396
Delta R.T. 0.018 min
Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Tgt Ion:188 Resp: 1238206

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.6	13.0
80	11.3	9.8	14.6



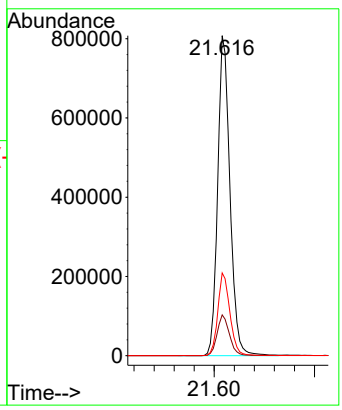


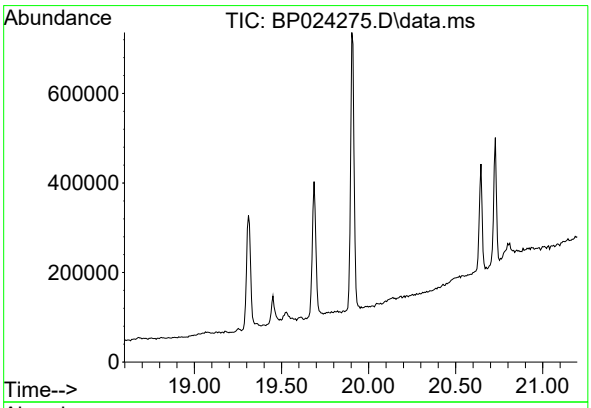
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.616 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 1367665

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.8	14.8
236	25.9	20.9	31.3



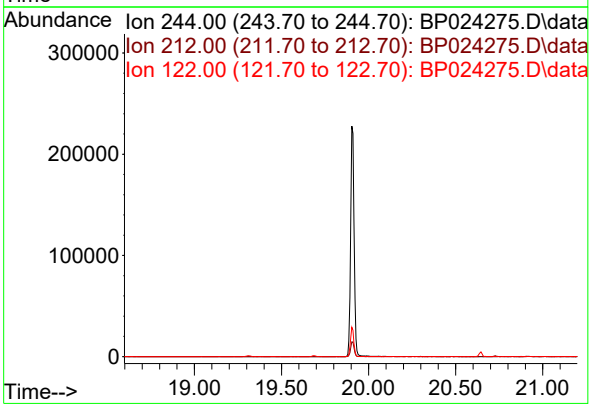


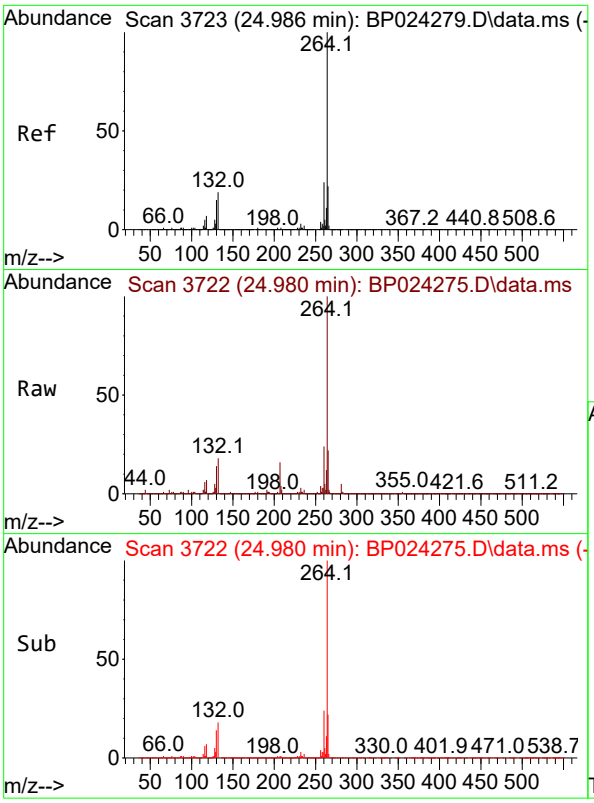
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.90 min

Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.0
122	11.7



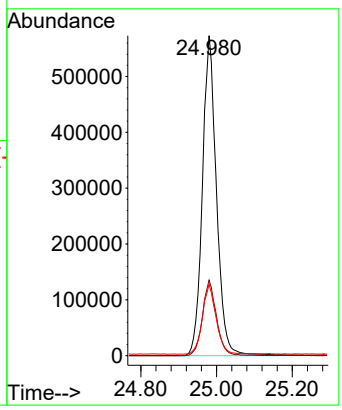


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.980 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 1473609

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	22.3	17.8	26.6



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024276.D
Acq On : 14 Apr 2025 11:47
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Apr 14 17:26:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.734	152	223010	20.000	ng		0.00
21) Naphthalene-d8	10.510	136	946483	20.000	ng		0.00
39) Acenaphthene-d10	14.369	164	609743	20.000	ng		0.00
64) Phenanthrene-d10	17.163	188	1234074	20.000	ng		0.00
76) Chrysene-d12	21.610	240	1401979	20.000	ng		-0.01
86) Perylene-d12	24.968	264	1519057	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.352	112	125173	9.263	ng		0.00
7) Phenol-d6	6.916	99	163122	8.824	ng		0.00
23) Nitrobenzene-d5	8.875	82	152286	9.160	ng		0.00
42) 2,4,6-Tribromophenol	15.875	330	71560	8.571	ng		0.00
45) 2-Fluorobiphenyl	12.975	172	406060	10.111	ng		0.00
79) Terphenyl-d14	19.886	244	677812	9.638	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	30738	5.328	ng		100
3) Pyridine	3.699	79	70539	4.697	ng		97
4) n-Nitrosodimethylamine	3.599	42	23634	4.720	ng	#	90
6) Aniline	7.069	93	80239	4.808	ng		99
8) 2-Chlorophenol	7.305	128	70239	4.651	ng		98
9) Benzaldehyde	6.887	77	52595m	5.493	ng		
10) Phenol	6.940	94	82245	4.431	ng		97
11) bis(2-Chloroethyl)ether	7.163	93	71228	4.749	ng		97
12) 1,3-Dichlorobenzene	7.622	146	81600	4.987	ng		98
13) 1,4-Dichlorobenzene	7.769	146	83408	5.027	ng		99
14) 1,2-Dichlorobenzene	8.081	146	82066	5.115	ng		98
15) Benzyl Alcohol	7.975	79	47777	4.032	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.258	45	80975	4.962	ng		97
17) 2-Methylphenol	8.175	107	51039	4.267	ng		99
18) Hexachloroethane	8.805	117	29643	4.950	ng		99
19) n-Nitroso-di-n-propyla...	8.528	70	56212	4.896	ng		96
20) 3+4-Methylphenols	8.505	107	68264	4.120	ng		99
22) Acetophenone	8.546	105	111159	4.725	ng		99
24) Nitrobenzene	8.922	77	77593	4.709	ng		96
25) Isophorone	9.446	82	136090	4.534	ng		99
26) 2-Nitrophenol	9.628	139	30712	3.882	ng		99
27) 2,4-Dimethylphenol	9.693	122	42510	4.239	ng		94
28) bis(2-Chloroethoxy)met...	9.922	93	97512	4.774	ng		98
29) 2,4-Dichlorophenol	10.169	162	57301	4.193	ng		97
30) 1,2,4-Trichlorobenzene	10.369	180	72789	4.923	ng		98
31) Naphthalene	10.557	128	246999	4.930	ng		99
33) 4-Chloroaniline	10.669	127	77667	4.437	ng		98
34) Hexachlorobutadiene	10.846	225	42723	4.926	ng		99
35) Caprolactam	11.446	113	20082	4.002	ng		94
36) 4-Chloro-3-methylphenol	11.804	107	67116	4.214	ng		100
37) 2-Methylnaphthalene	12.169	142	165617	4.770	ng		99
38) 1-Methylnaphthalene	12.399	142	165656	4.870	ng		99
40) 1,2,4,5-Tetrachloroben...	12.540	216	79501	4.744	ng		100
41) Hexachlorocyclopentadiene	12.528	237	24696	4.198	ng		96
43) 2,4,6-Trichlorophenol	12.787	196	45925	4.165	ng		95
44) 2,4,5-Trichlorophenol	12.863	196	50675	4.147	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024276.D
Acq On : 14 Apr 2025 11:47
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Apr 14 17:26:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

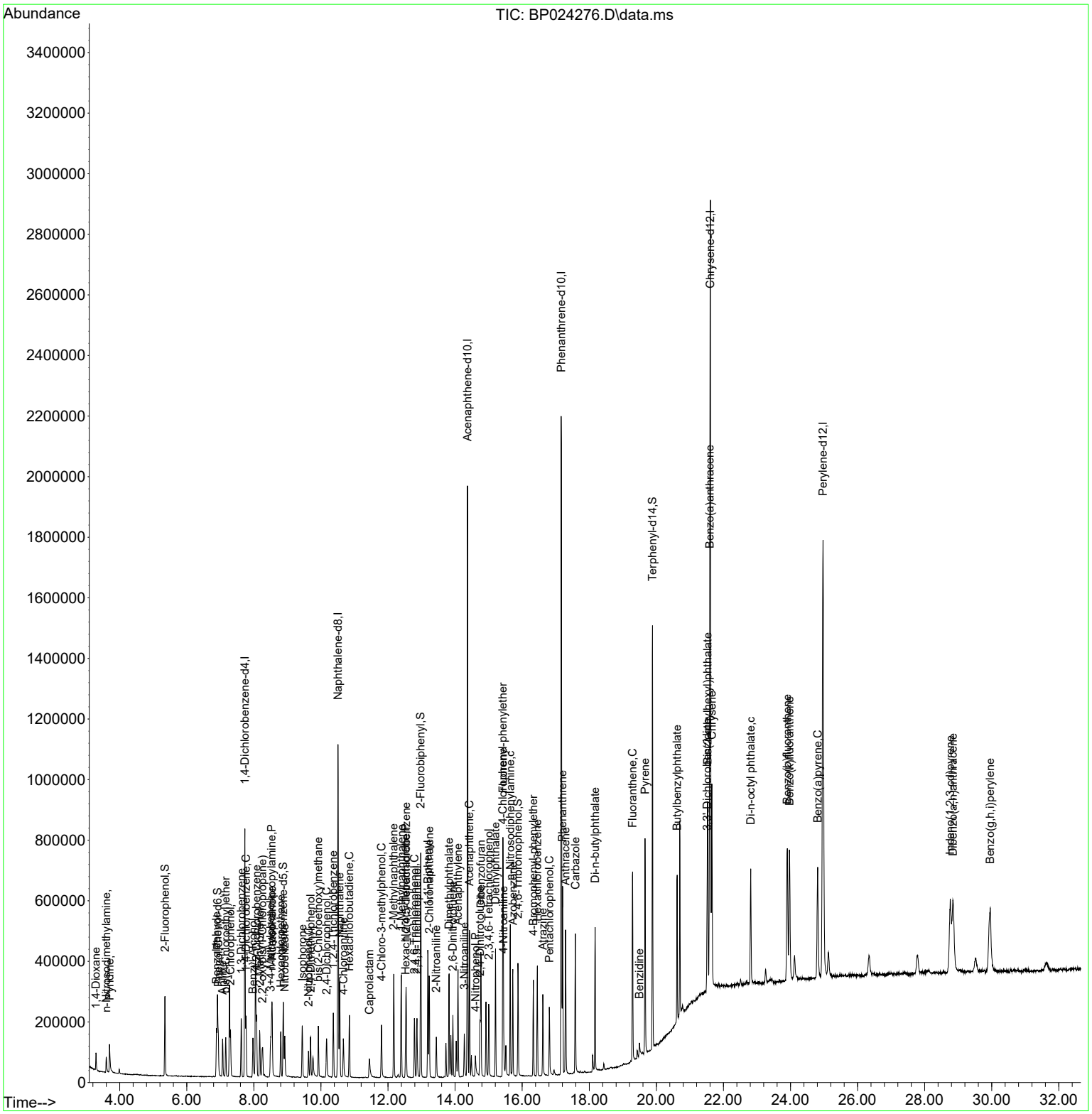
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	1,1'-Biphenyl	13.187	154	221653	4.922	ng		99
47)	2-Chloronaphthalene	13.234	162	162099	4.824	ng		99
48)	2-Nitroaniline	13.440	65	38152	4.111	ng		90
49)	Acenaphthylene	14.087	152	244566	4.637	ng		99
50)	Dimethylphthalate	13.822	163	217848	4.897	ng		100
51)	2,6-Dinitrotoluene	13.934	165	40182	4.287	ng		94
52)	Acenaphthene	14.428	154	165694	4.940	ng		97
53)	3-Nitroaniline	14.275	138	38178	3.926	ng	#	94
55)	Dibenzofuran	14.769	168	274506	4.991	ng		99
56)	4-Nitrophenol	14.610	139	29033	3.473	ng		98
57)	2,4-Dinitrotoluene	14.745	165	50843	4.013	ng		97
58)	Fluorene	15.428	166	209763	4.939	ng		97
59)	2,3,4,6-Tetrachlorophenol	15.004	232	49911	4.415	ng		98
60)	Diethylphthalate	15.204	149	221119	4.830	ng		99
61)	4-Chlorophenyl-phenyle...	15.422	204	101636	4.928	ng		99
62)	4-Nitroaniline	15.445	138	40139	3.893	ng		96
63)	Azobenzene	15.722	77	193402	4.586	ng		99
66)	n-Nitrosodiphenylamine	15.645	169	174867	4.726	ng		99
67)	4-Bromophenyl-phenylether	16.334	248	62558	4.647	ng		97
68)	Hexachlorobenzene	16.451	284	76267	4.766	ng		96
69)	Atrazine	16.616	200	54439	5.803	ng		98
70)	Pentachlorophenol	16.810	266	44119	4.015	ng		98
71)	Phenanthrene	17.204	178	338611	5.005	ng		100
72)	Anthracene	17.292	178	307065	4.716	ng		99
73)	Carbazole	17.586	167	298495	4.711	ng		100
74)	Di-n-butylphthalate	18.175	149	354008	4.484	ng		100
75)	Fluoranthene	19.292	202	397601	4.951	ng		99
77)	Benzidine	19.498	184	50615m	2.925	ng		
78)	Pyrene	19.663	202	417746	4.657	ng		99
80)	Butylbenzylphthalate	20.622	149	152196	4.024	ng		99
81)	Benzo(a)anthracene	21.592	228	418745	4.791	ng		100
82)	3,3'-Dichlorobenzidine	21.516	252	121047	3.994	ng		99
83)	Chrysene	21.657	228	413570	4.937	ng		99
84)	Bis(2-ethylhexyl)phtha...	21.533	149	223960	4.021	ng		98
85)	Di-n-octyl phthalate	22.816	149	331185	3.712	ng		99
87)	Indeno(1,2,3-cd)pyrene	28.762	276	475578	4.552	ng	#	92
88)	Benzo(b)fluoranthene	23.904	252	429214	4.723	ng		99
89)	Benzo(k)fluoranthene	23.968	252	413302	4.686	ng		99
90)	Benzo(a)pyrene	24.810	252	356658	4.559	ng		98
91)	Dibenzo(a,h)anthracene	28.845	278	397247	4.571	ng		100
92)	Benzo(g,h,i)perylene	29.951	276	407522	4.607	ng		99

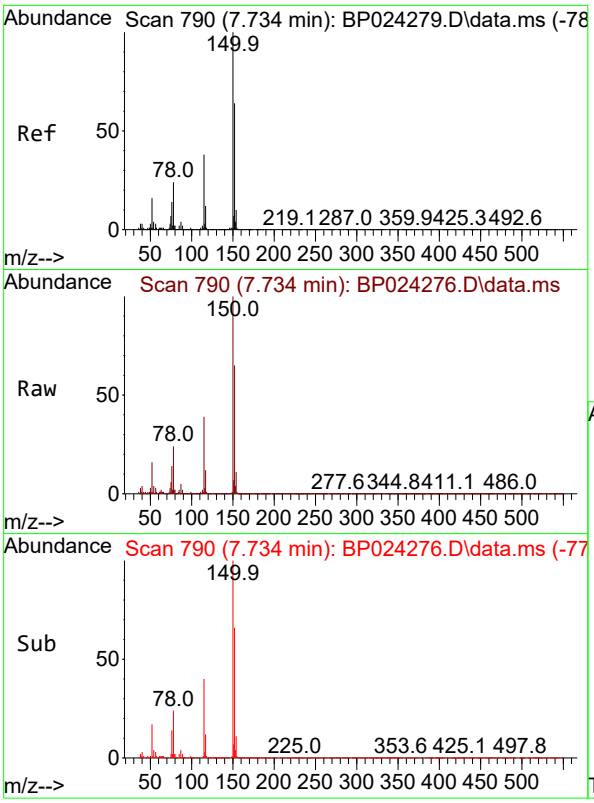
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024276.D
Acq On : 14 Apr 2025 11:47
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Apr 14 17:26:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



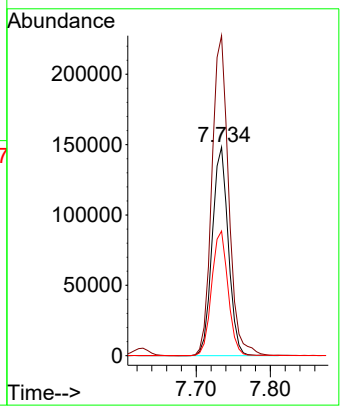


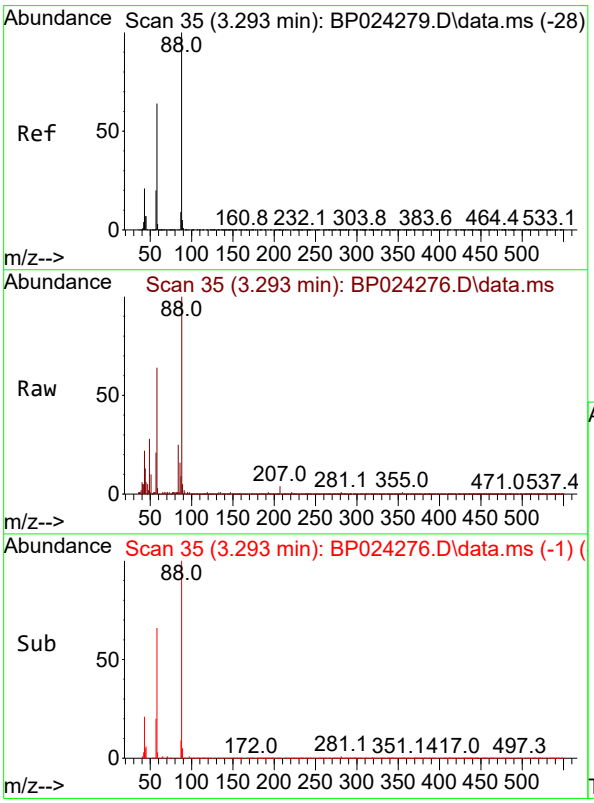
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 223010

Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.9	187.3
115	59.8	47.7	71.5

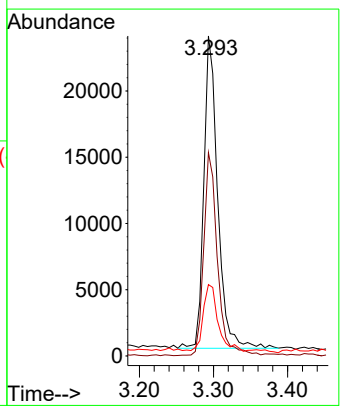


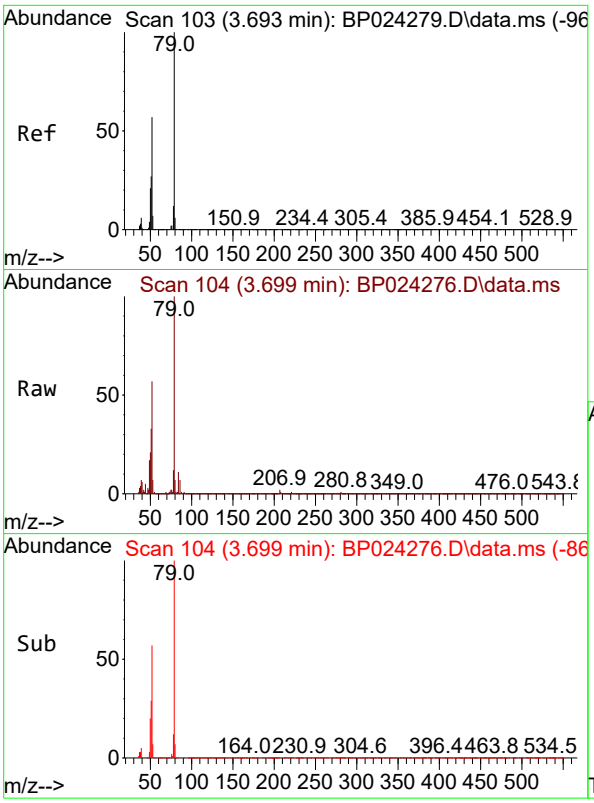


#2
1,4-Dioxane
Concen: 5.328 ng
RT: 3.293 min Scan# 35
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 88 Resp: 30738

Ion	Ratio	Lower	Upper
88	100		
58	64.3	51.4	77.2
43	22.3	17.1	25.7



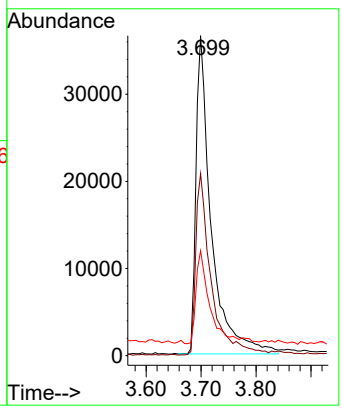


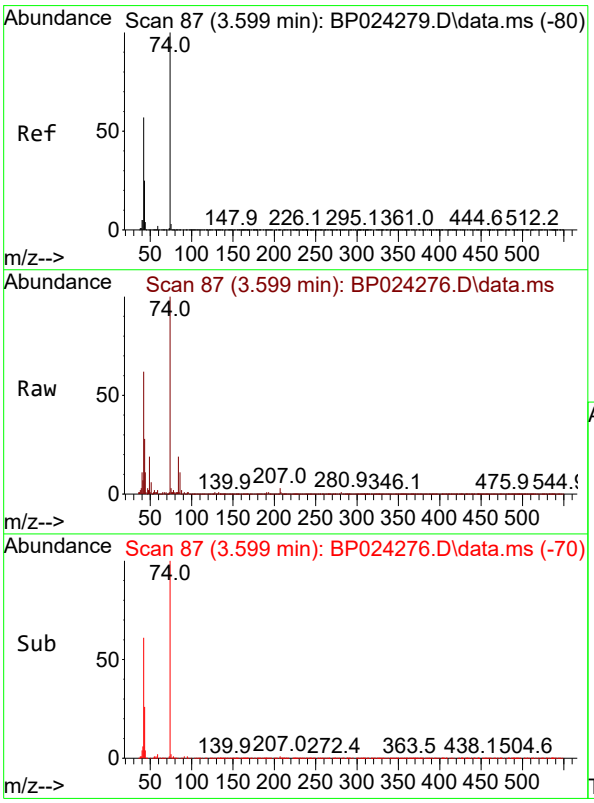
#3
Pyridine
Concen: 4.697 ng
RT: 3.699 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 70539

Ion	Ratio	Lower	Upper
79	100		
52	56.9	45.4	68.2
51	32.8	22.6	33.8

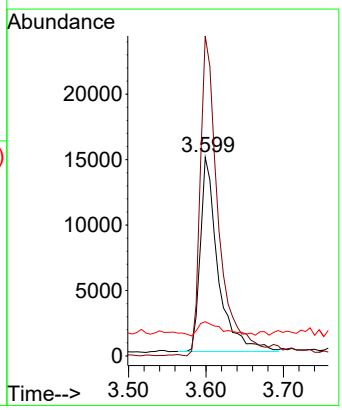


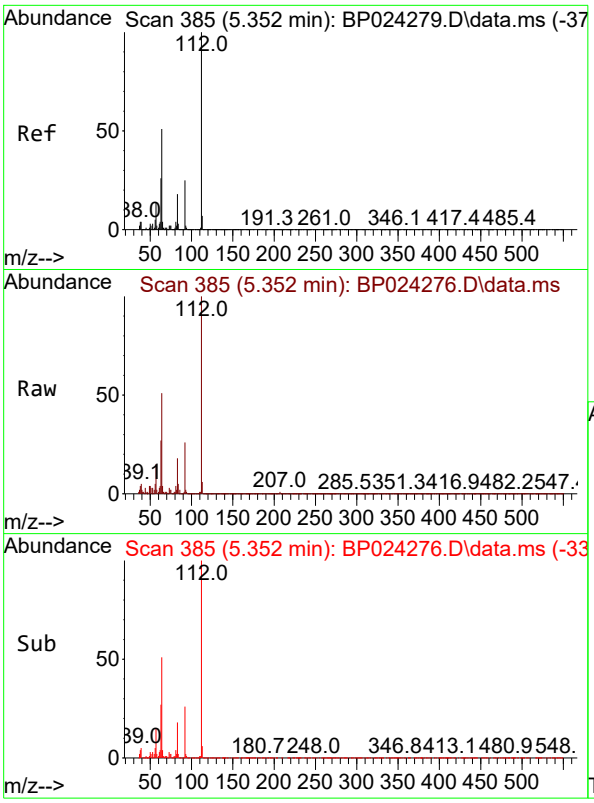


#4
n-Nitrosodimethylamine
Concen: 4.720 ng
RT: 3.599 min Scan# 87
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 42 Resp: 23634

Ion	Ratio	Lower	Upper
42	100		
74	161.0	139.5	209.3
44	17.2	5.8	8.8#



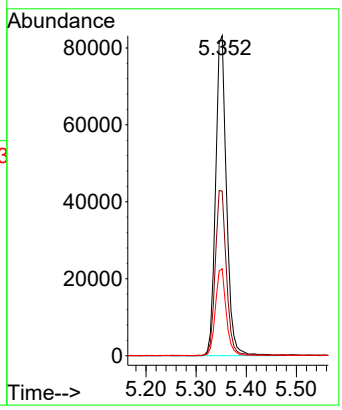


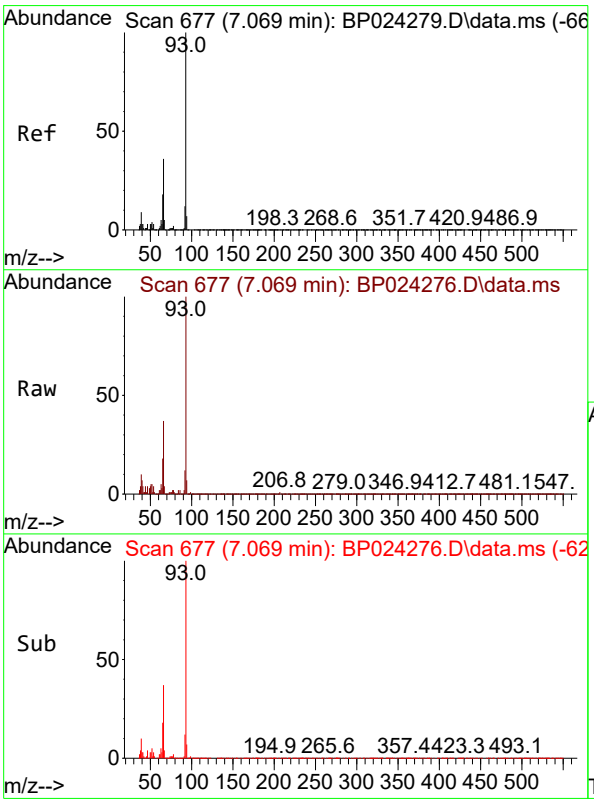
#5
2-Fluorophenol
Concen: 9.263 ng
RT: 5.352 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:112 Resp: 125173

Ion	Ratio	Lower	Upper
112	100		
64	51.4	41.1	61.7
63	27.1	20.6	30.8

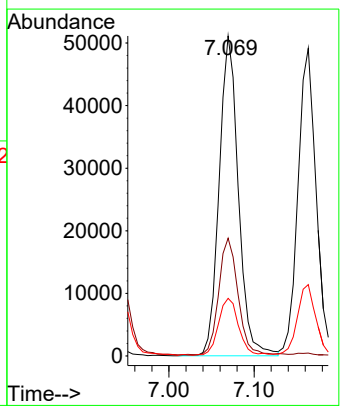


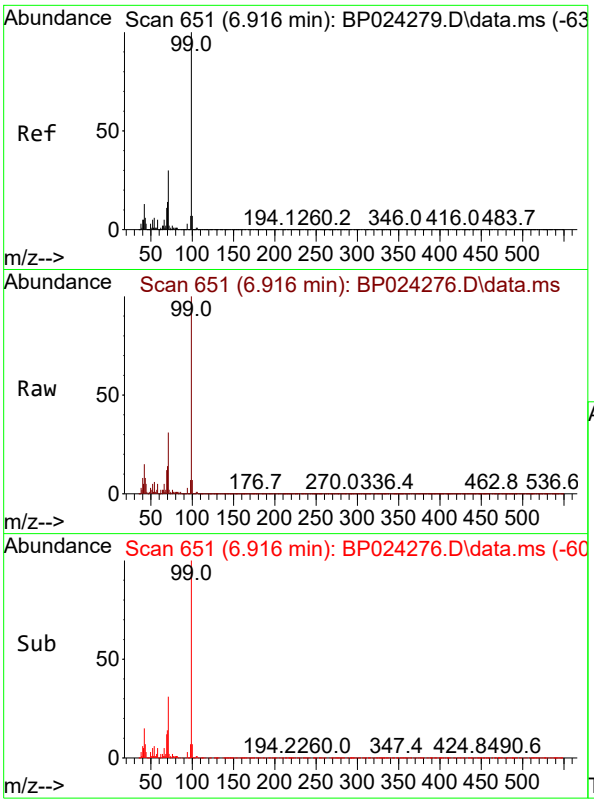


#6
Aniline
Concen: 4.808 ng
RT: 7.069 min Scan# 677
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 93 Resp: 80239

Ion	Ratio	Lower	Upper
93	100		
66	36.8	29.1	43.7
65	18.0	14.7	22.1



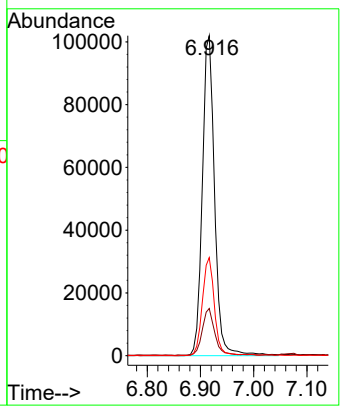


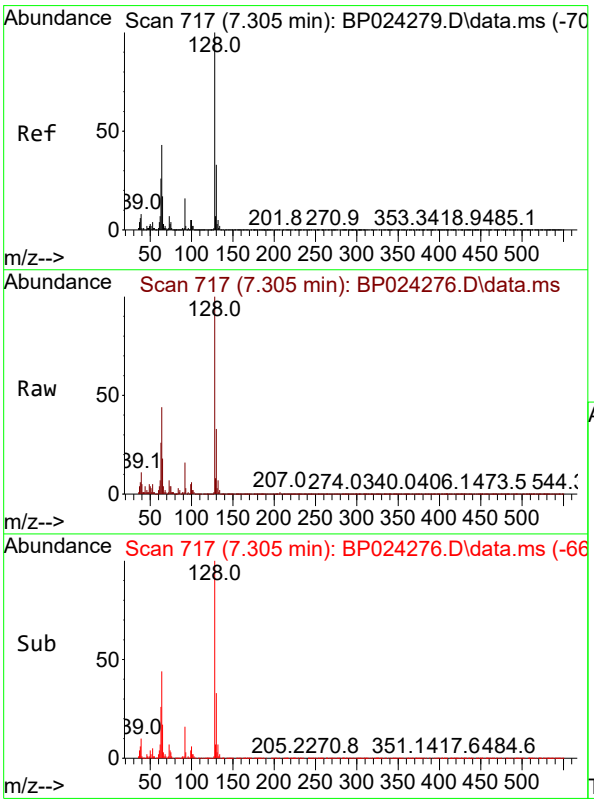
#7
Phenol-d6
Concen: 8.824 ng
RT: 6.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 99 Resp: 163122

Ion	Ratio	Lower	Upper
99	100		
42	14.7	10.6	16.0
71	30.7	23.7	35.5

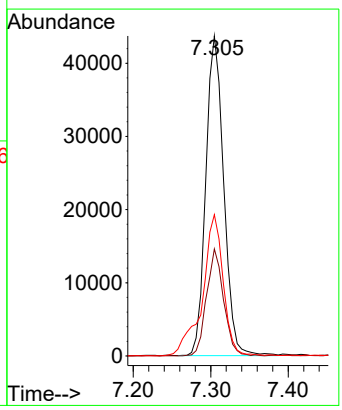


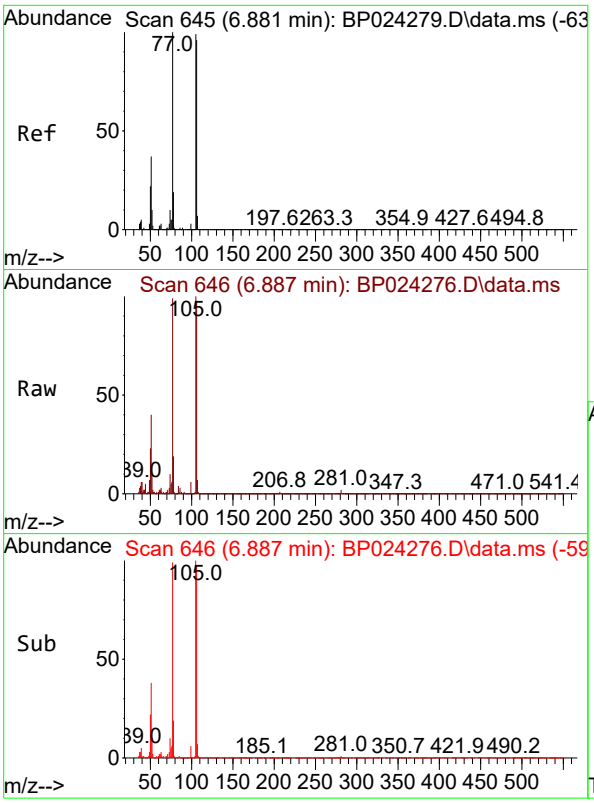


#8
2-Chlorophenol
Concen: 4.651 ng
RT: 7.305 min Scan# 717
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:128 Resp: 70239

Ion	Ratio	Lower	Upper
128	100		
130	33.5	12.9	52.9
64	44.2	22.7	62.7



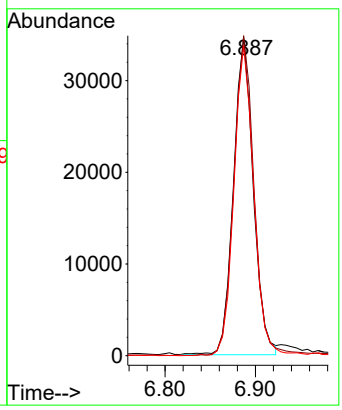


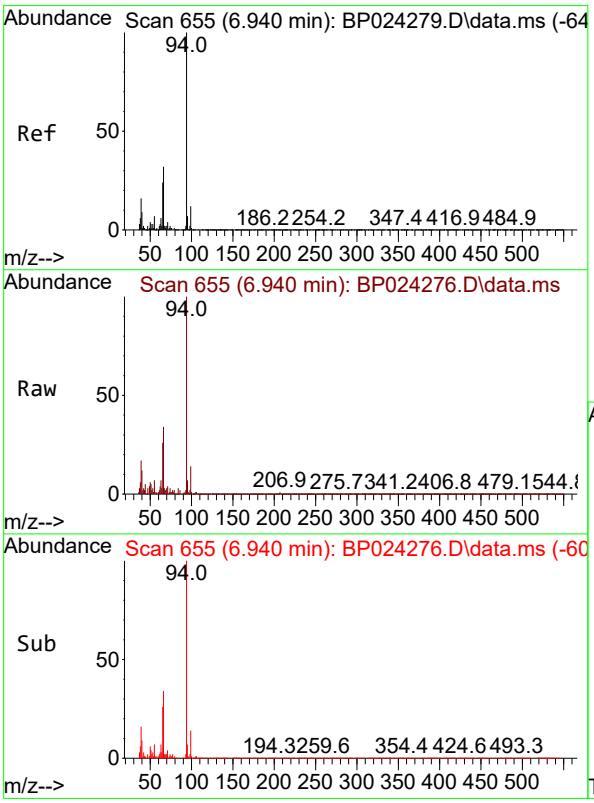
#9
Benzaldehyde
Concen: 5.493 ng m
RT: 6.887 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 52595

Ion	Ratio	Lower	Upper
77	100		
105	100.6	79.2	119.2
106	97.4	76.2	116.2

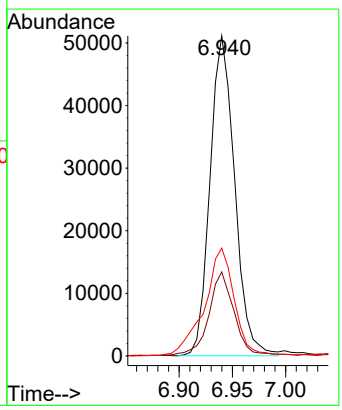


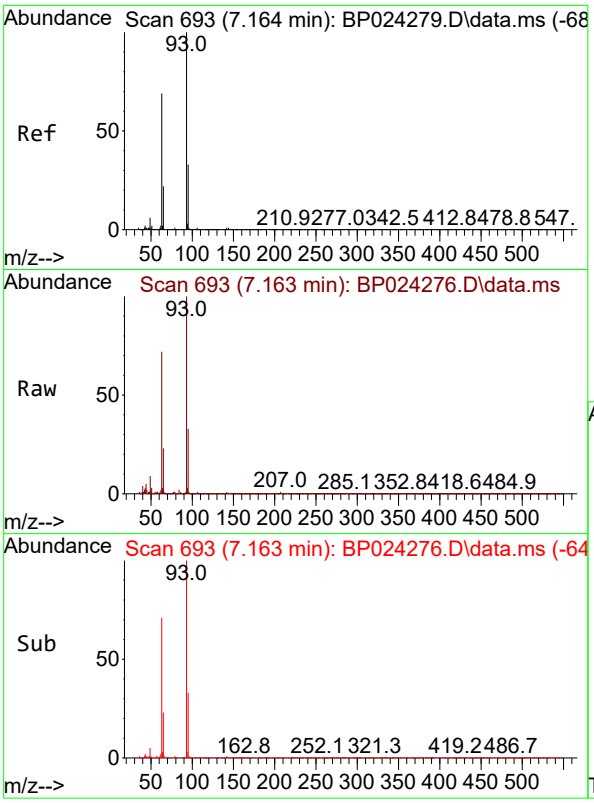


#10
Phenol
Concen: 4.431 ng
RT: 6.940 min Scan# 655
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 94 Resp: 82245

Ion	Ratio	Lower	Upper
94	100		
65	26.3	4.5	44.5
66	33.7	12.4	52.4



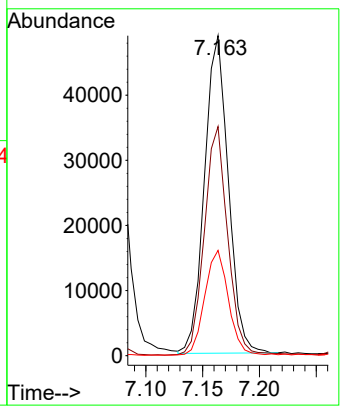


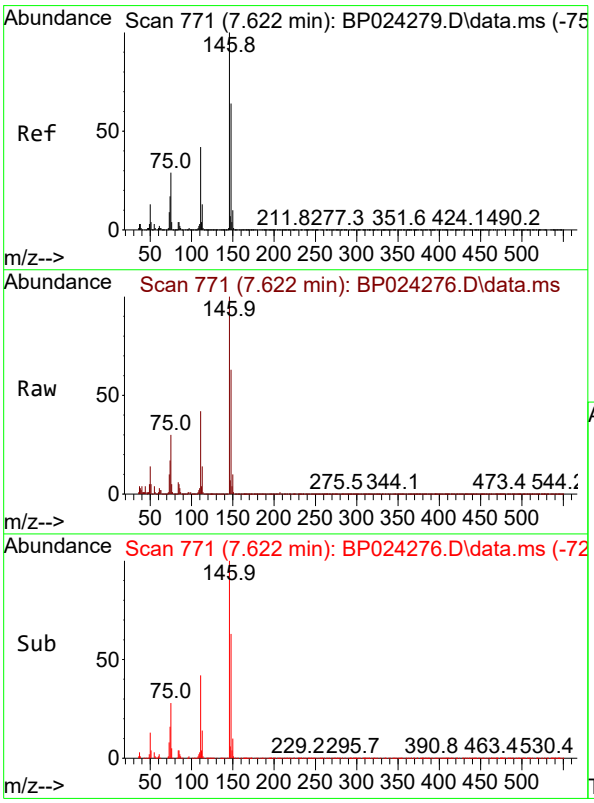
#11
bis(2-Chloroethyl)ether
Concen: 4.749 ng
RT: 7.163 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 71228

Ion	Ratio	Lower	Upper
93	100		
63	71.6	48.6	88.6
95	32.9	12.3	52.3

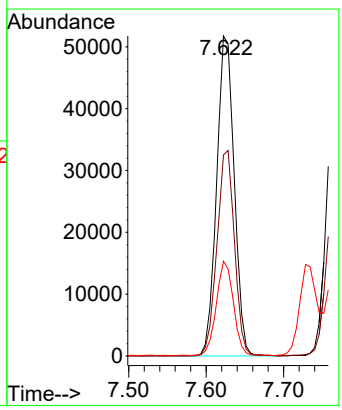


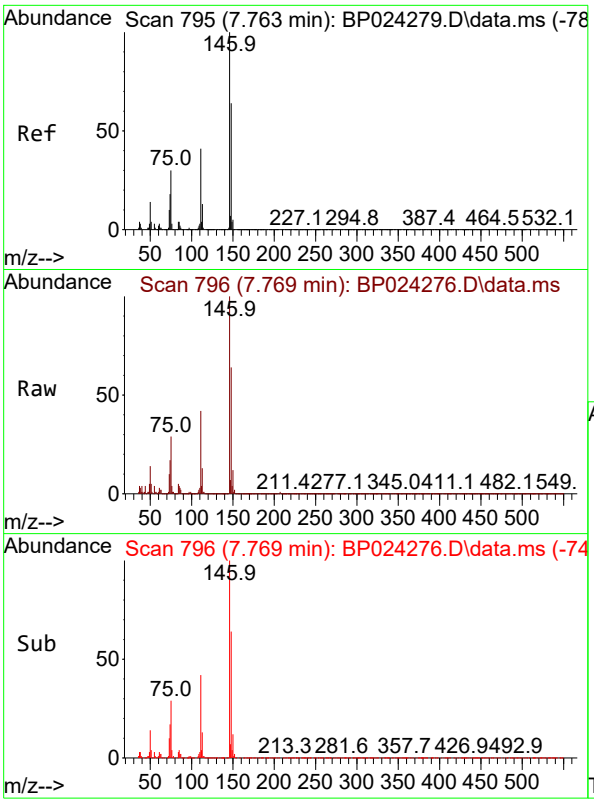


#12
1,3-Dichlorobenzene
Concen: 4.987 ng
RT: 7.622 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:146 Resp: 81600

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.4	77.0
75	29.6	22.9	34.3



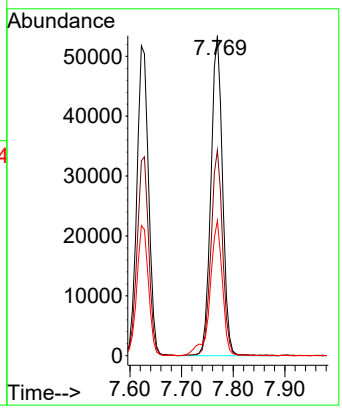


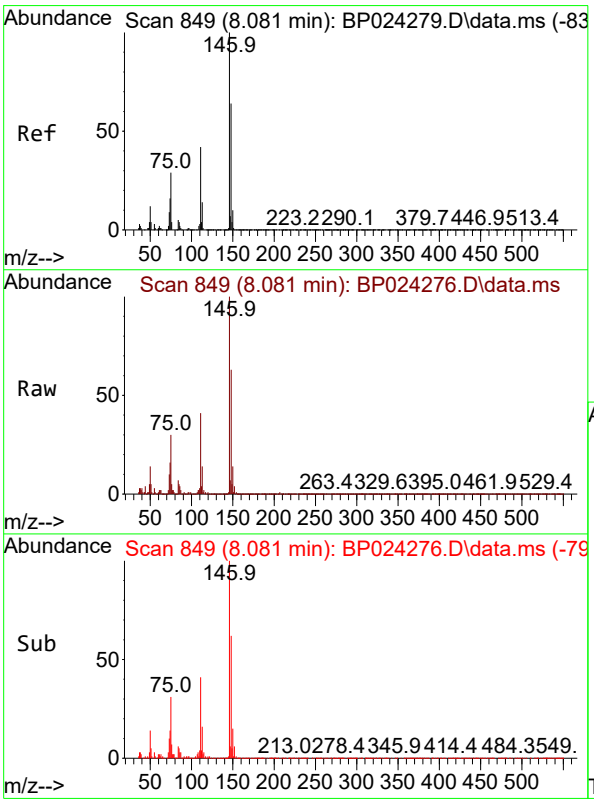
#13
1,4-Dichlorobenzene
Concen: 5.027 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 83408

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.1	76.7
111	42.2	32.6	48.8

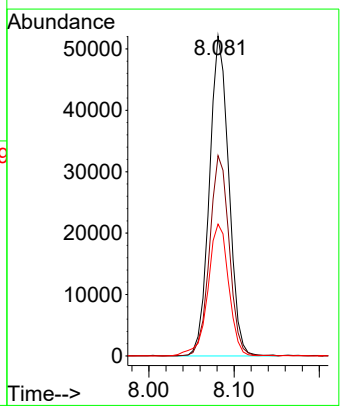


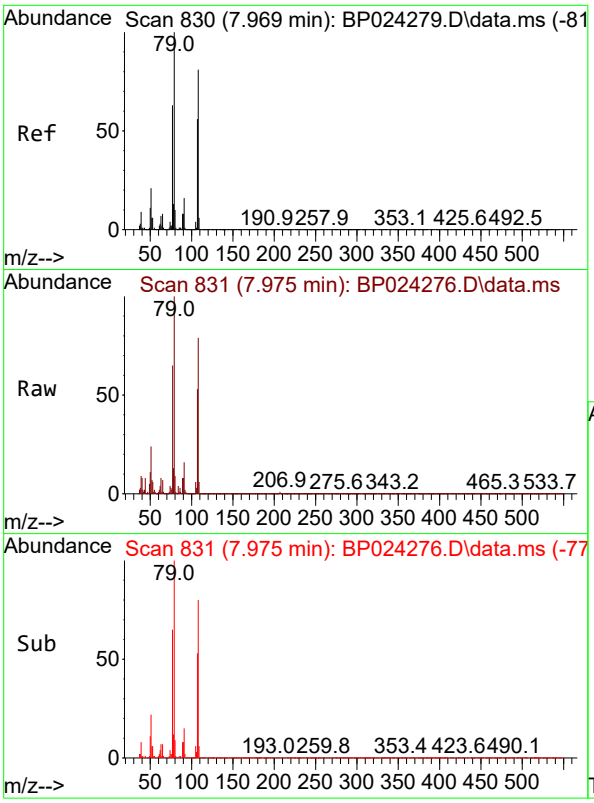


#14
1,2-Dichlorobenzene
Concen: 5.115 ng
RT: 8.081 min Scan# 849
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:146 Resp: 82066

Ion	Ratio	Lower	Upper
146	100		
148	62.6	51.0	76.4
111	41.2	33.8	50.8



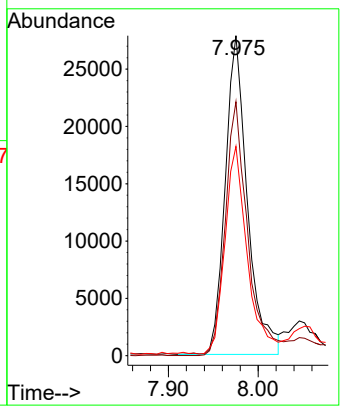


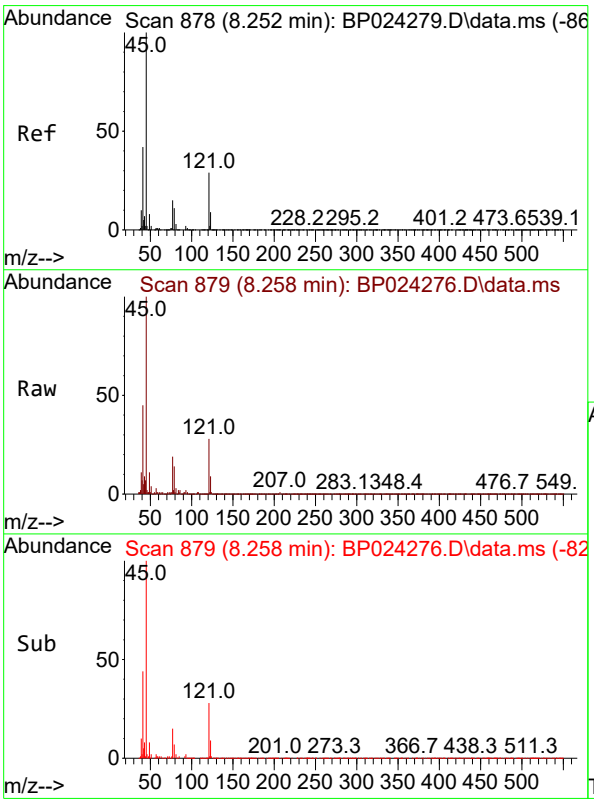
#15
Benzyl Alcohol
Concen: 4.032 ng
RT: 7.975 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 47777

Ion	Ratio	Lower	Upper
79	100		
108	79.4	65.1	97.7
77	65.4	50.7	76.1

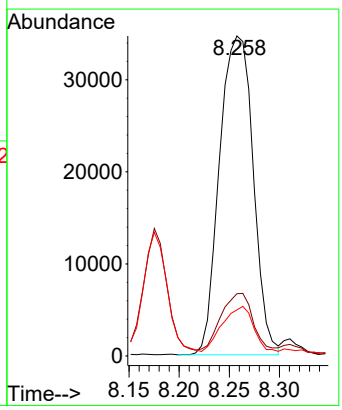


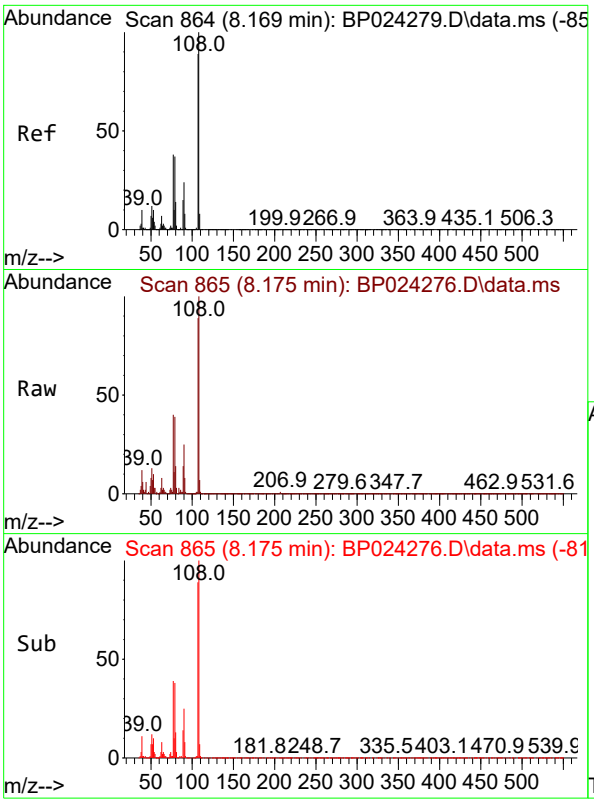


#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.962 ng
RT: 8.258 min Scan# 879
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 45 Resp: 80975

Ion	Ratio	Lower	Upper
45	100		
77	19.4	0.0	37.7
79	14.4	0.0	33.5



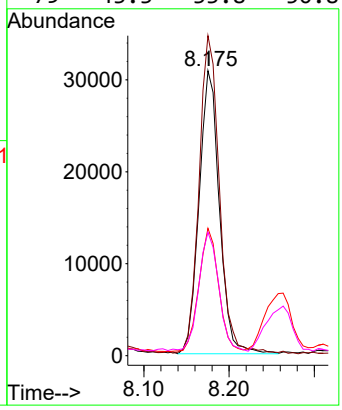


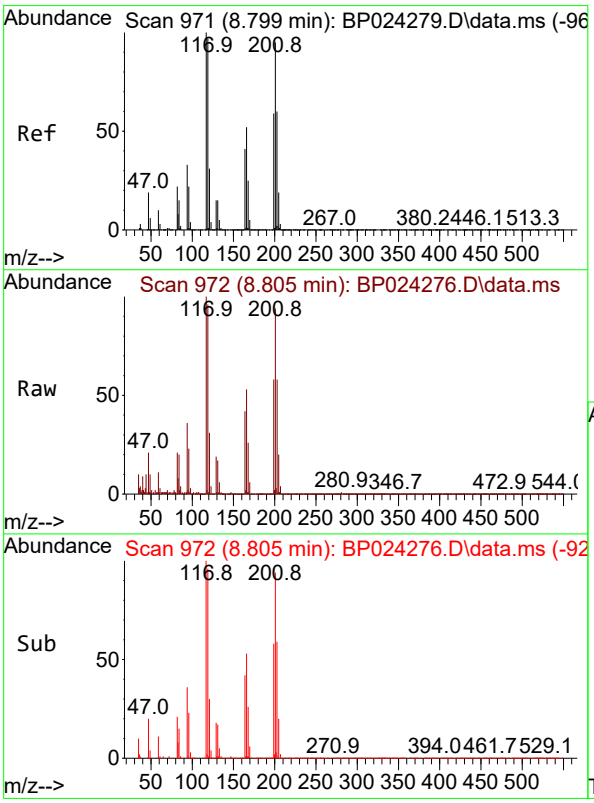
#17
2-Methylphenol
Concen: 4.267 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 51039

Ion	Ratio	Lower	Upper
107	100		
108	112.3	89.8	134.6
77	44.7	34.2	51.4
79	43.3	33.8	50.8

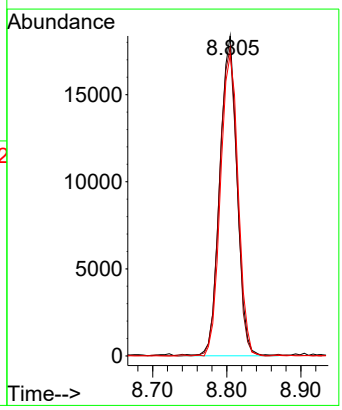


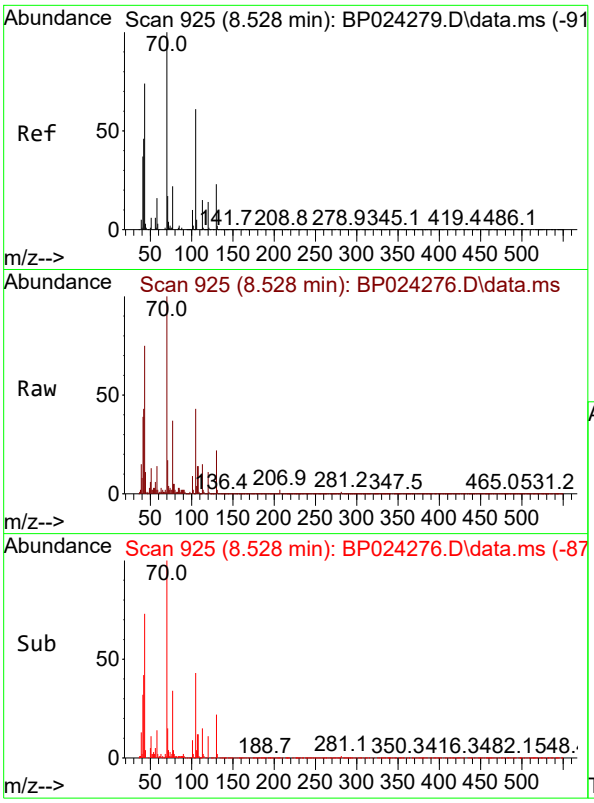


#18
Hexachloroethane
Concen: 4.950 ng
RT: 8.805 min Scan# 972
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:117 Resp: 29643

Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.8	116.6
201	96.8	75.9	113.9



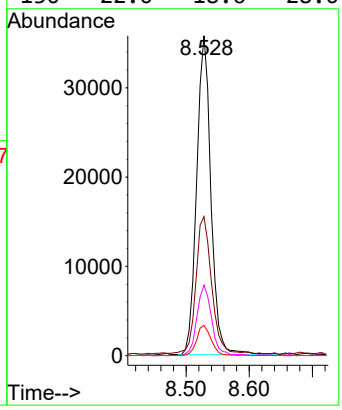


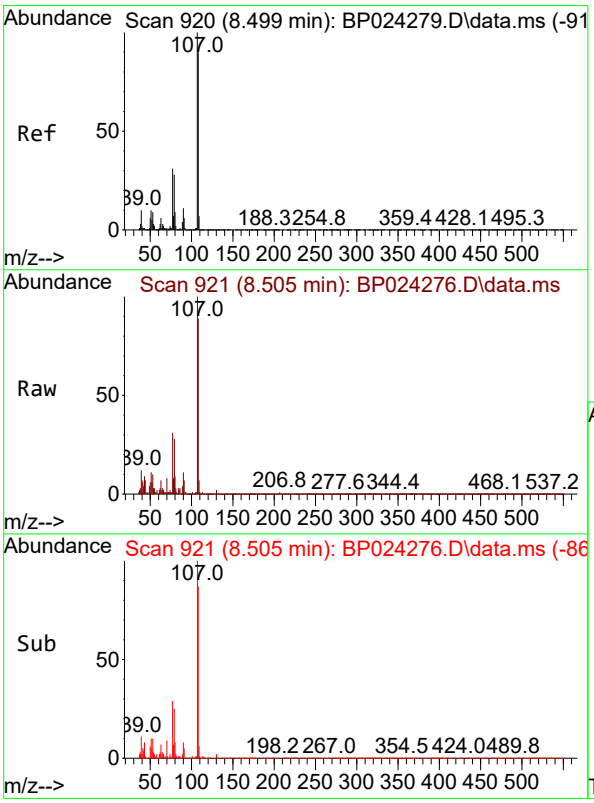
#19
n-Nitroso-di-n-propylamine
Concen: 4.896 ng
RT: 8.528 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 70 Resp: 56212

Ion	Ratio	Lower	Upper
70	100		
42	43.5	37.3	55.9
101	9.4	8.2	12.4
130	22.0	18.6	28.0

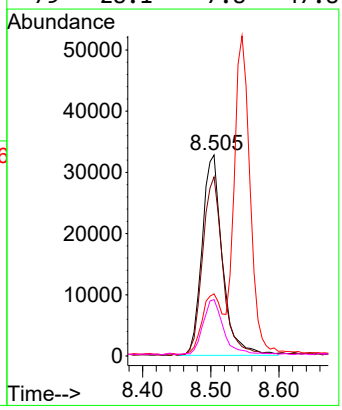


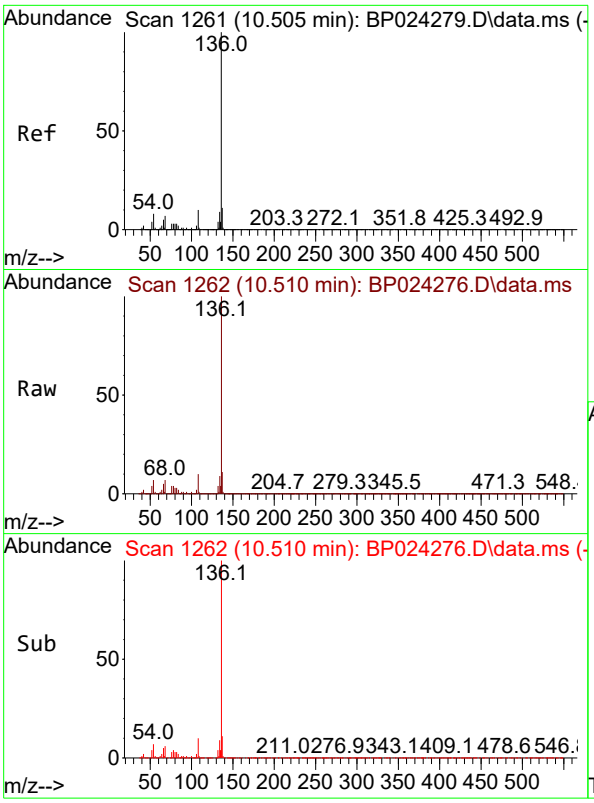


#20
3+4-Methylphenols
Concen: 4.120 ng
RT: 8.505 min Scan# 921
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:107 Resp: 68264

Ion	Ratio	Lower	Upper
107	100		
108	89.1	69.8	109.8
77	30.9	11.5	51.5
79	28.1	7.8	47.8



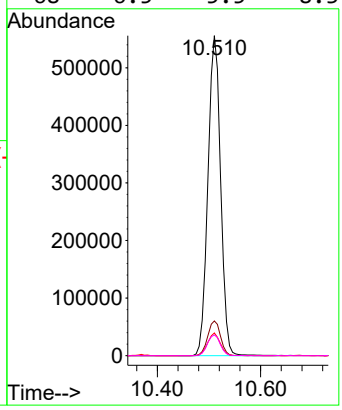


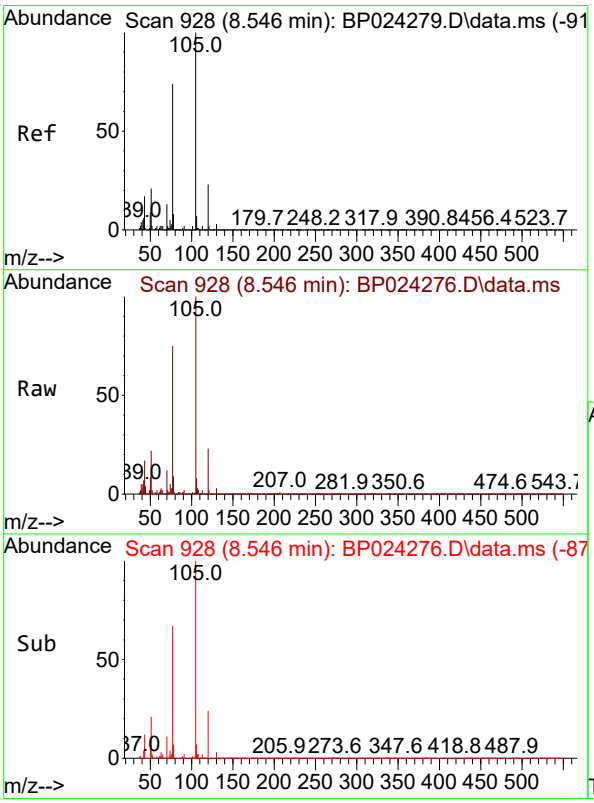
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.510 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 946483

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	7.1	6.0	9.0
68	6.5	5.5	8.3

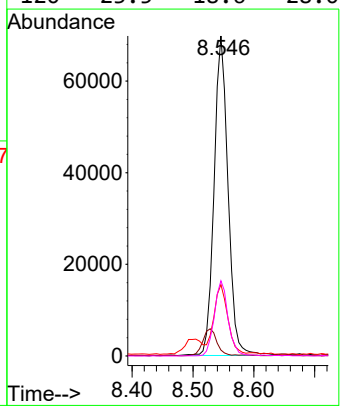


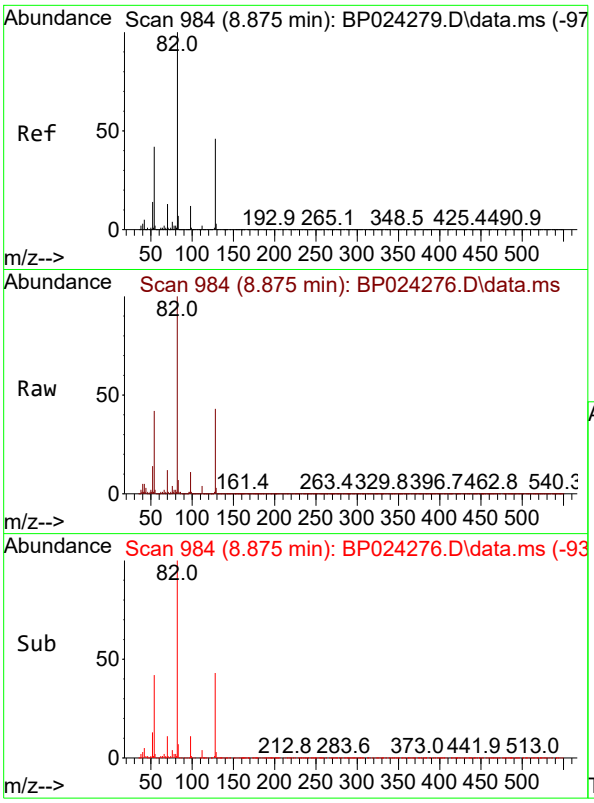


#22
Acetophenone
Concen: 4.725 ng
RT: 8.546 min Scan# 928
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:105 Resp: 111159

Ion	Ratio	Lower	Upper
105	100		
71	1.9	1.7	2.5
51	22.3	16.9	25.3
120	23.5	18.6	28.0



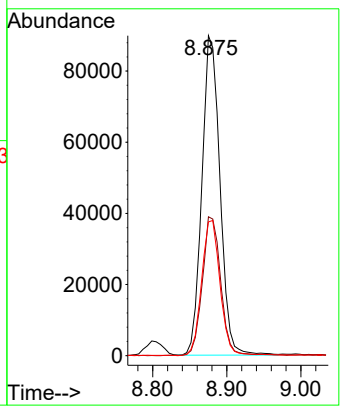


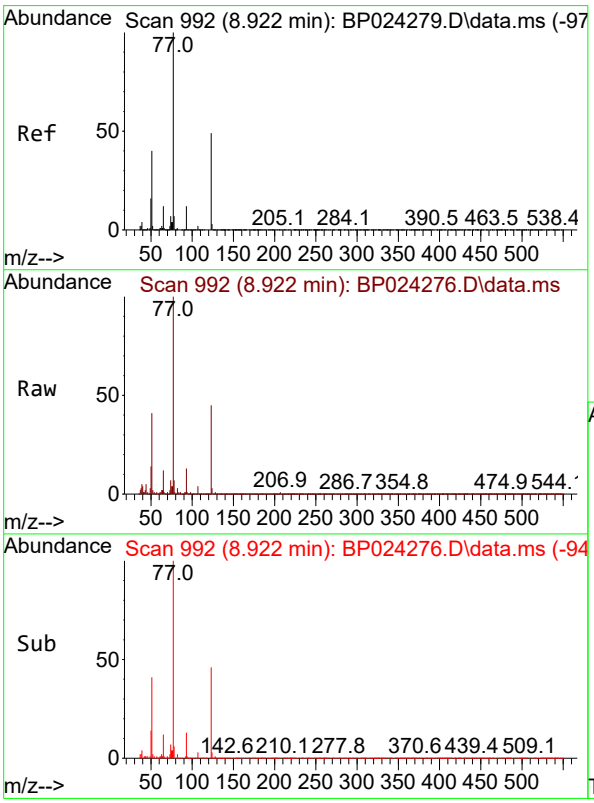
#23
Nitrobenzene-d5
Concen: 9.160 ng
RT: 8.875 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 152286

Ion	Ratio	Lower	Upper
82	100		
128	43.4	36.5	54.7
54	41.8	33.4	50.2

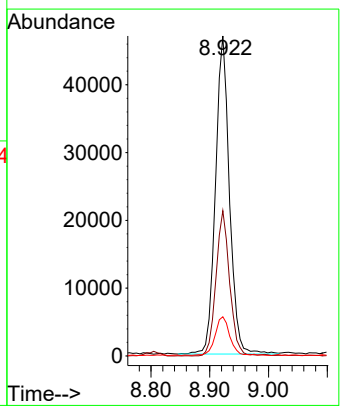


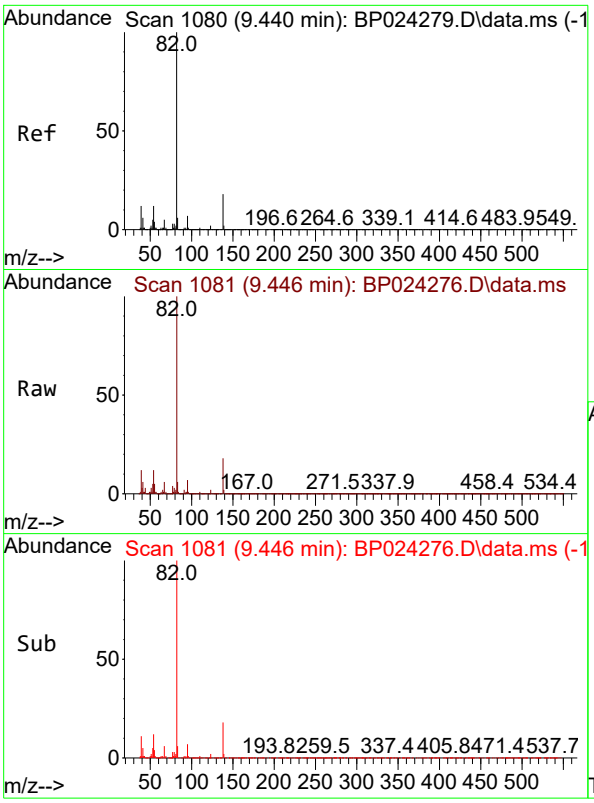


#24
Nitrobenzene
Concen: 4.709 ng
RT: 8.922 min Scan# 992
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 77 Resp: 77593

Ion	Ratio	Lower	Upper
77	100		
123	45.4	39.2	58.8
65	12.3	9.8	14.6



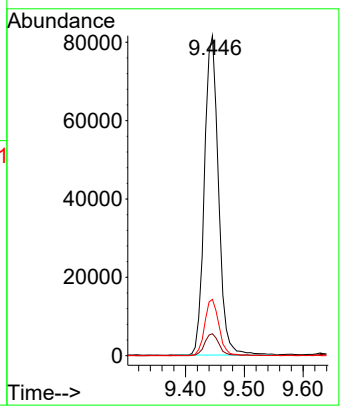


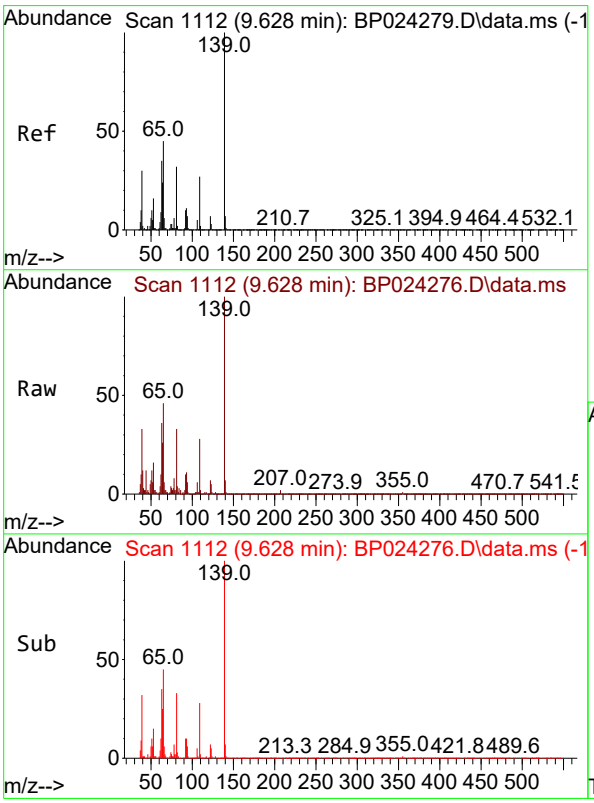
#25
Isophorone
Concen: 4.534 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 136090

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	17.6	14.4	21.6

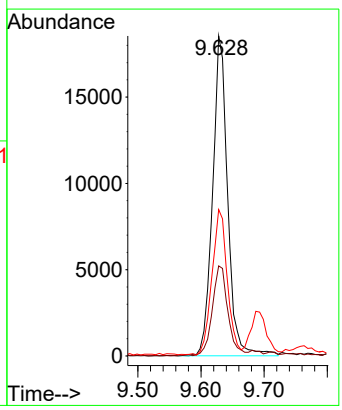


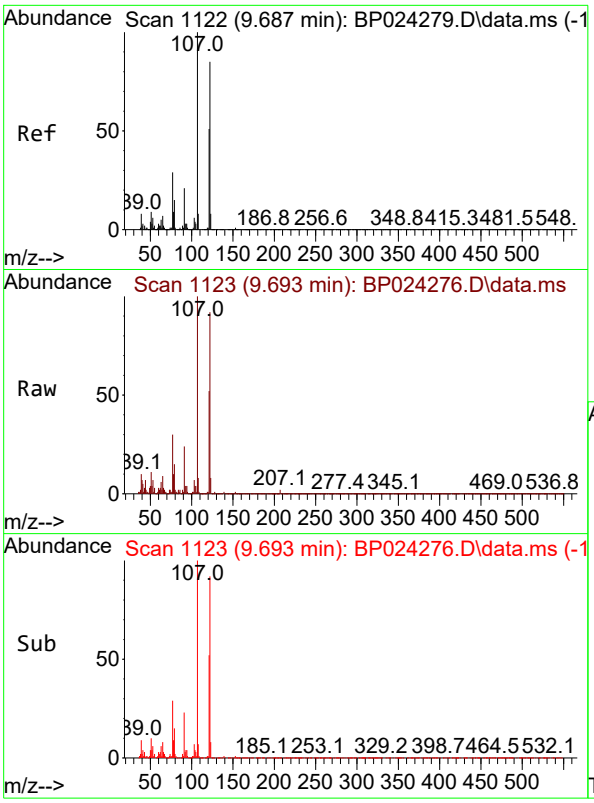


#26
2-Nitrophenol
Concen: 3.882 ng
RT: 9.628 min Scan# 1112
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:139 Resp: 30712

Ion	Ratio	Lower	Upper
139	100		
109	28.1	21.8	32.6
65	45.7	36.2	54.2



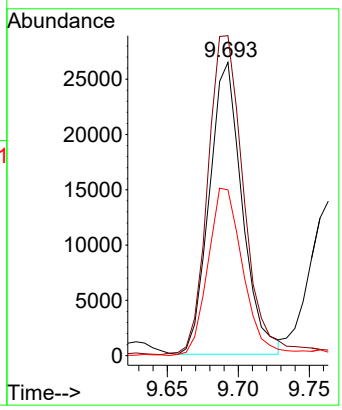


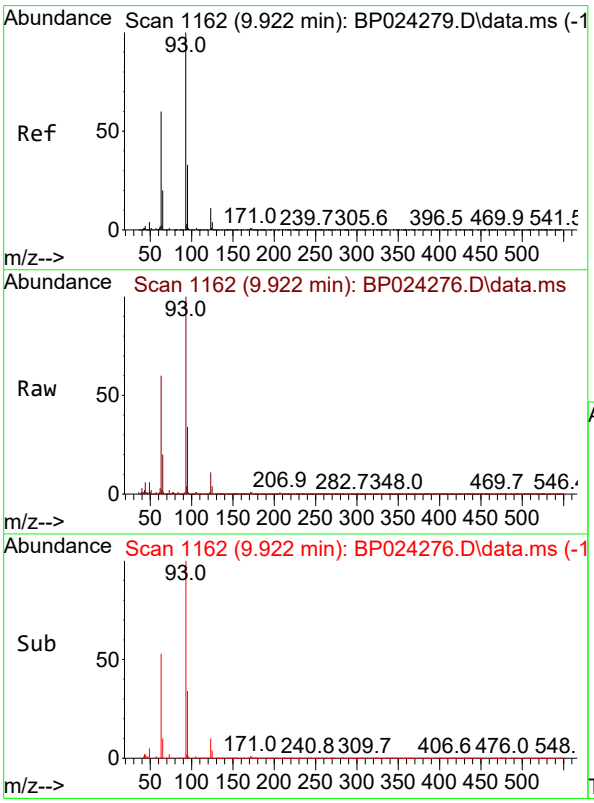
#27
2,4-Dimethylphenol
Concen: 4.239 ng
RT: 9.693 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 42510

Ion	Ratio	Lower	Upper
122	100		
107	109.1	93.7	140.5
121	56.5	48.2	72.2

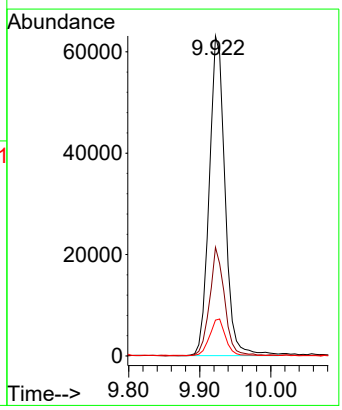


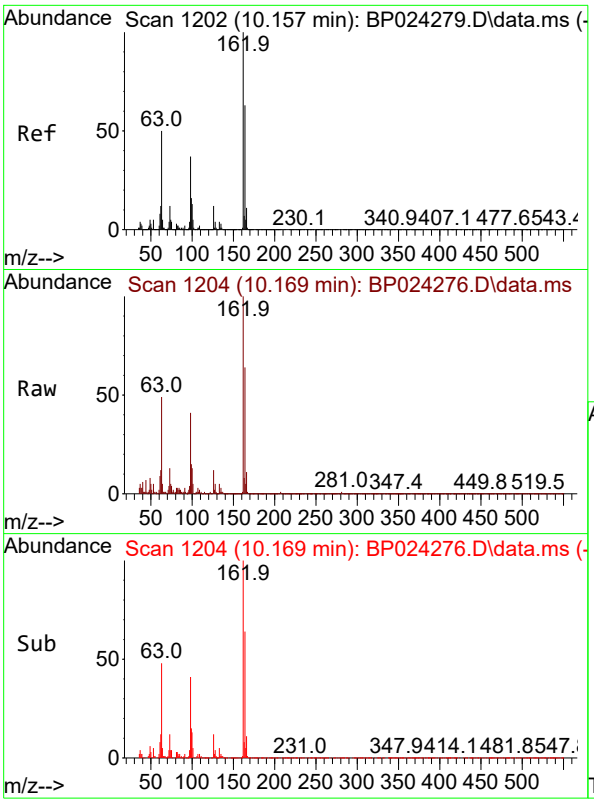


#28
bis(2-Chloroethoxy)methane
Concen: 4.774 ng
RT: 9.922 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 93 Resp: 97512

Ion	Ratio	Lower	Upper
93	100		
95	34.0	26.0	39.0
123	11.2	9.1	13.7



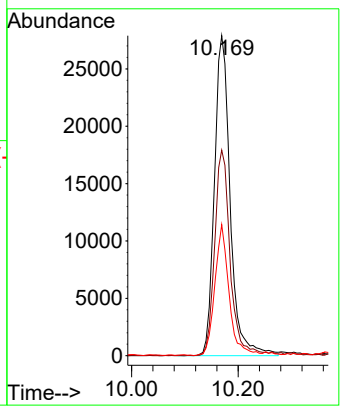


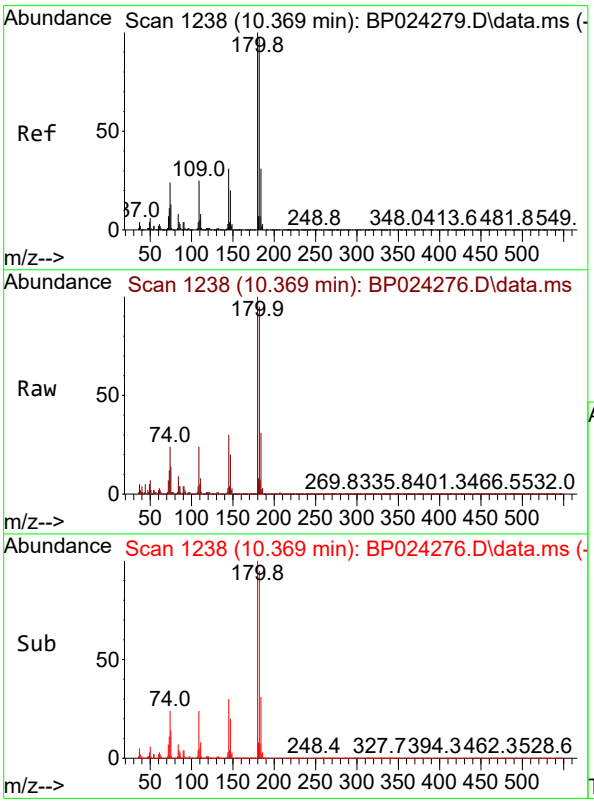
#29
2,4-Dichlorophenol
Concen: 4.193 ng
RT: 10.169 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 57301

Ion	Ratio	Lower	Upper
162	100		
164	64.2	43.3	83.3
98	41.0	16.6	56.6

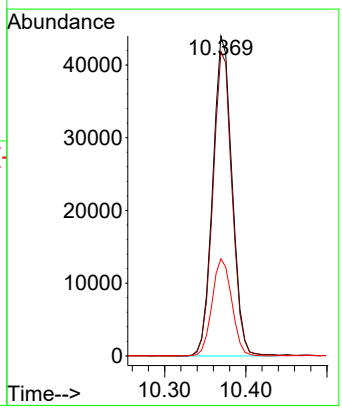


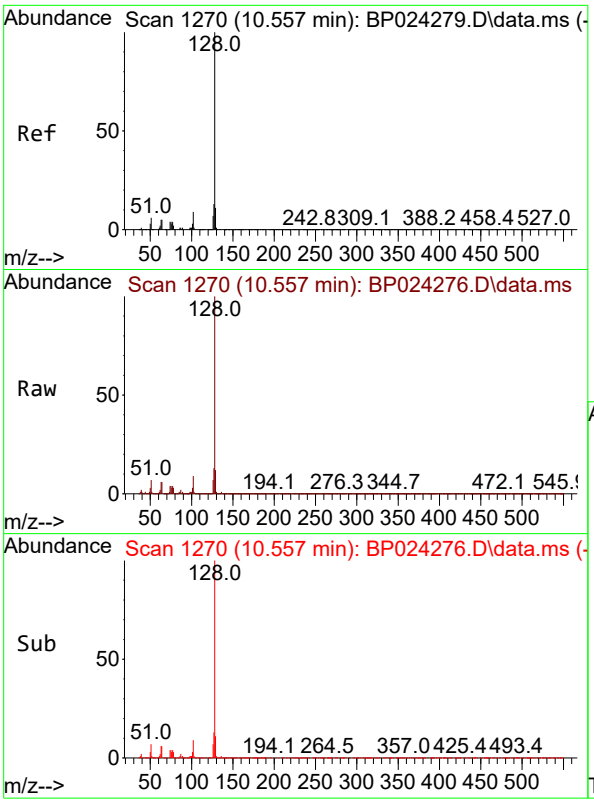


#30
1,2,4-Trichlorobenzene
Concen: 4.923 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:180 Resp: 72789

Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.3	115.9
145	30.3	25.1	37.7



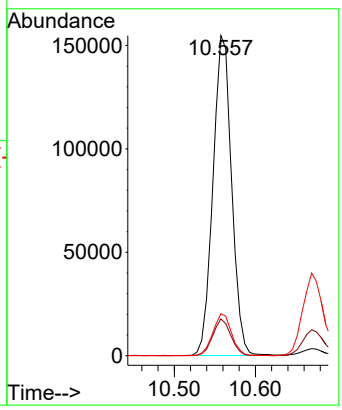


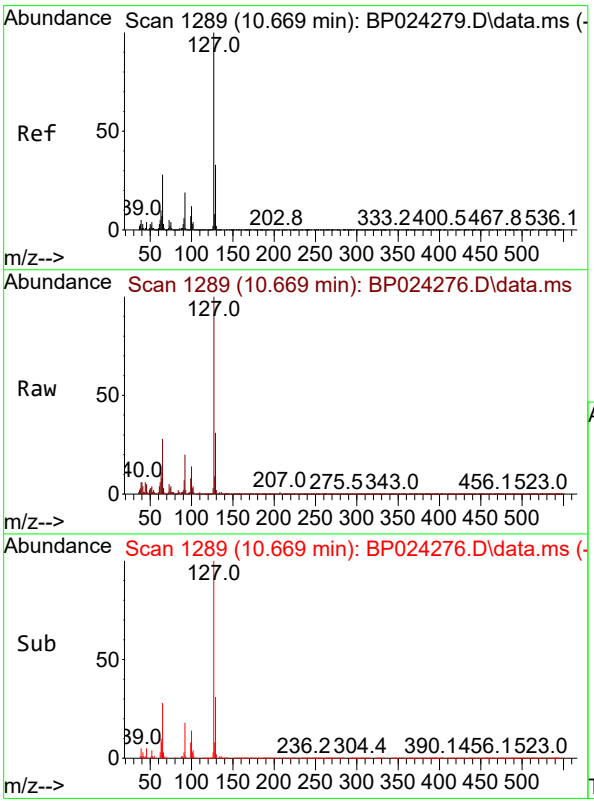
#31
Naphthalene
Concen: 4.930 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 246999

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.6	13.0
127	13.1	10.3	15.5

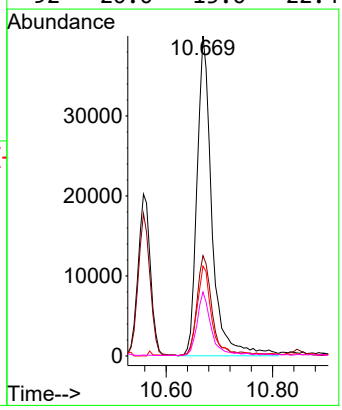


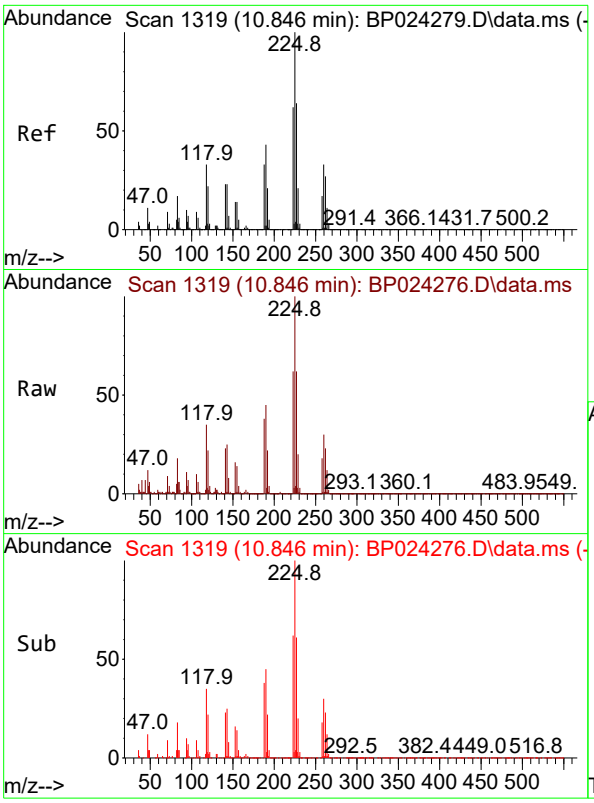


#33
4-Chloroaniline
Concen: 4.437 ng
RT: 10.669 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:127 Resp: 77667

Ion	Ratio	Lower	Upper
127	100		
129	31.4	26.1	39.1
65	28.1	22.1	33.1
92	20.0	15.0	22.4



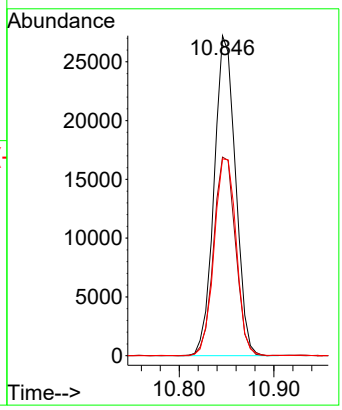


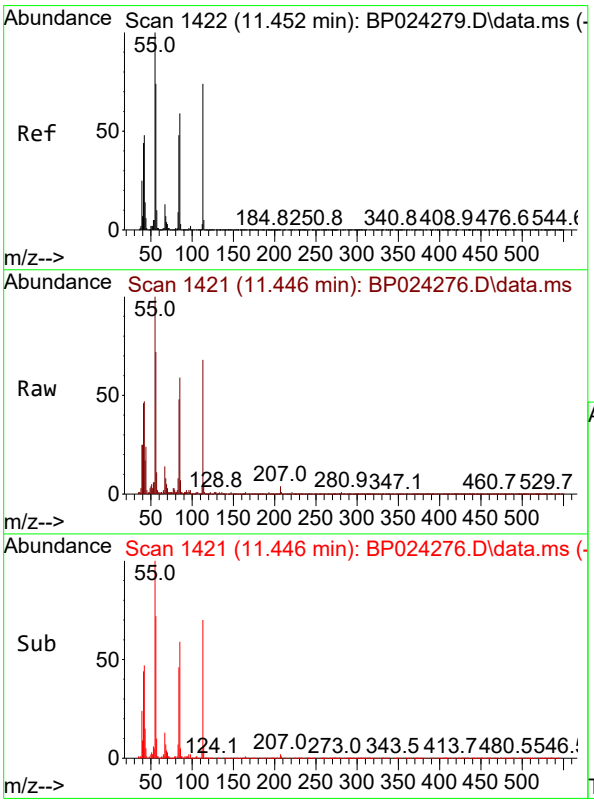
#34
Hexachlorobutadiene
Concen: 4.926 ng
RT: 10.846 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:225 Resp: 42723

Ion	Ratio	Lower	Upper
225	100		
223	62.1	49.5	74.3
227	61.5	50.9	76.3

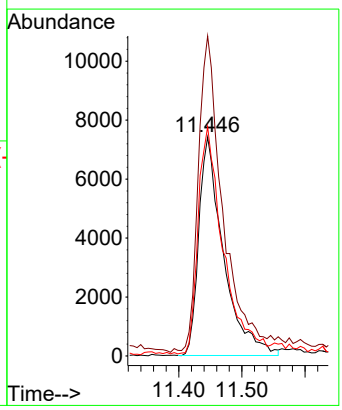


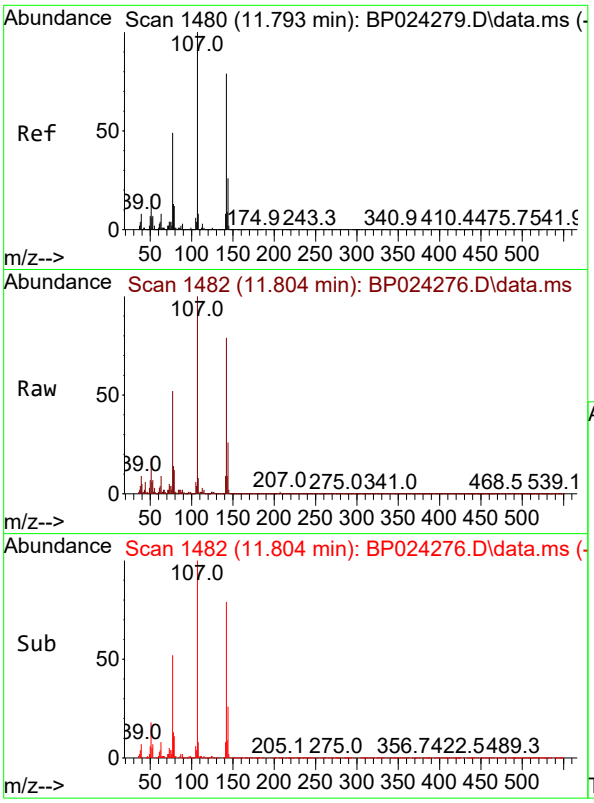


#35
Caprolactam
Concen: 4.002 ng
RT: 11.446 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:113 Resp: 20082

Ion	Ratio	Lower	Upper
113	100		
55	146.2	115.9	155.9
56	104.7	81.1	121.1



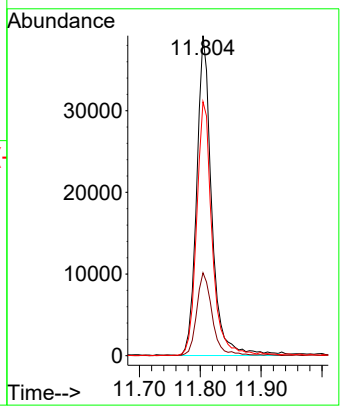


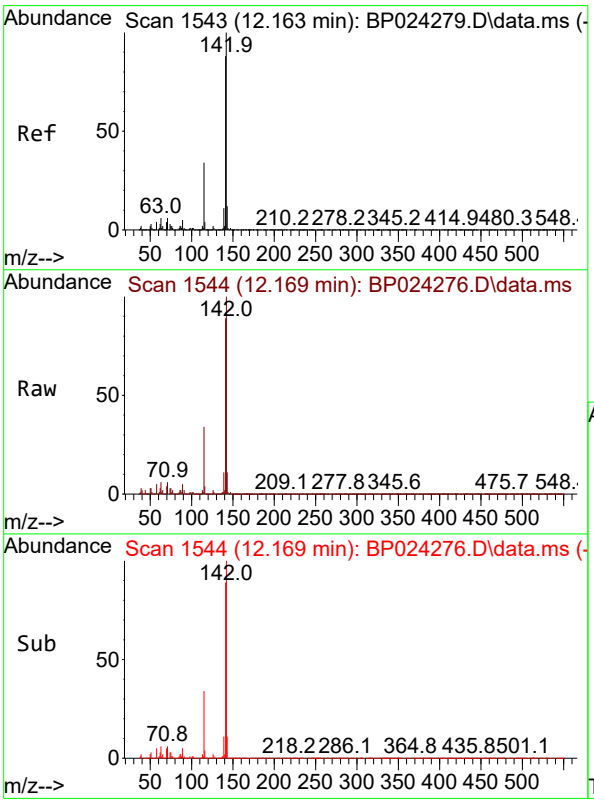
#36
4-Chloro-3-methylphenol
Concen: 4.214 ng
RT: 11.804 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 67116

Ion	Ratio	Lower	Upper
107	100		
144	25.9	20.5	30.7
142	79.3	63.4	95.2

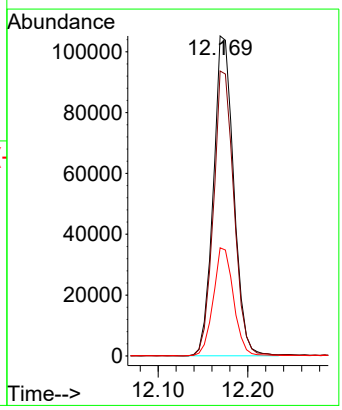


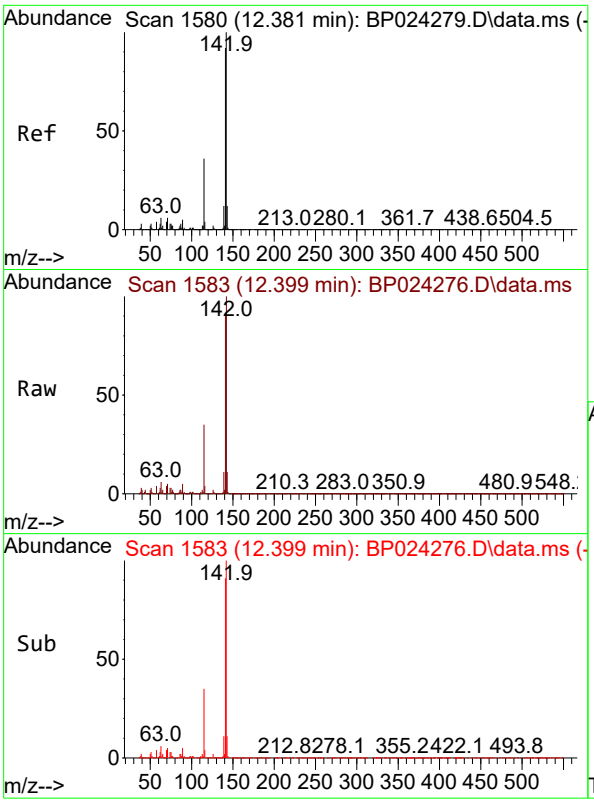


#37
2-Methylnaphthalene
Concen: 4.770 ng
RT: 12.169 min Scan# 1544
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:142 Resp: 165617

Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.3	105.5
115	33.8	26.9	40.3



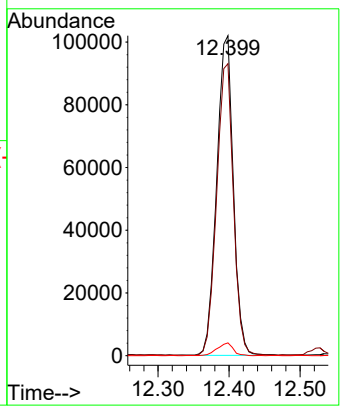


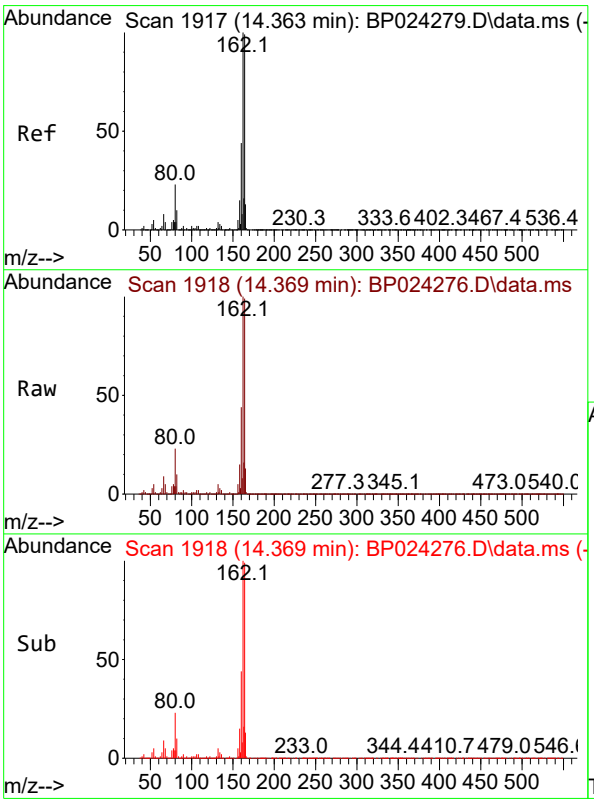
#38
1-Methylnaphthalene
Concen: 4.870 ng
RT: 12.399 min Scan# 1
Delta R.T. 0.018 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 165656

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.6	110.4
116	4.0	3.0	4.6

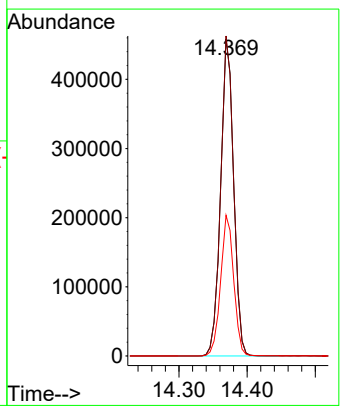


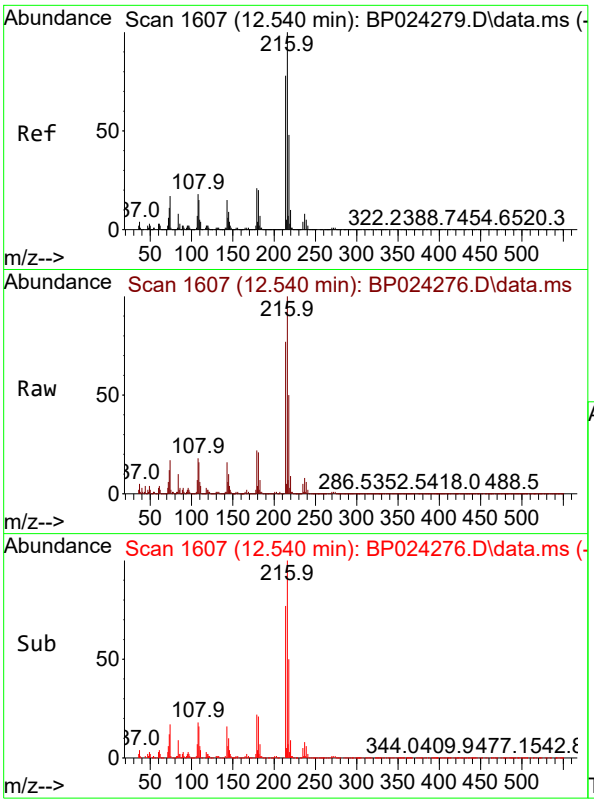


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.369 min Scan# 1918
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:164 Resp: 609743

Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.6	120.8
160	44.4	35.3	52.9



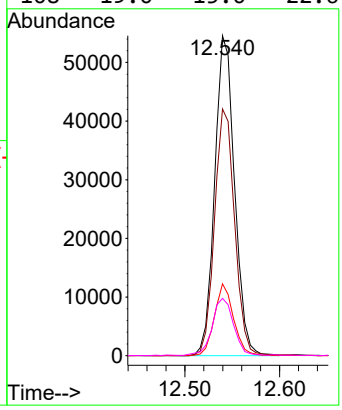


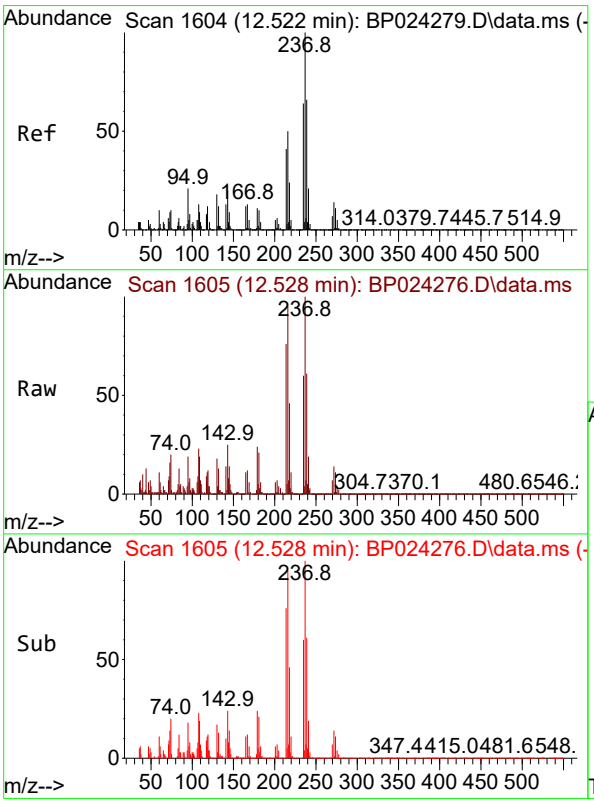
#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.744 ng
RT: 12.540 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:216 Resp: 79501

Ion	Ratio	Lower	Upper
216	100		
214	78.0	62.6	93.8
179	21.7	17.2	25.8
108	19.0	15.0	22.6

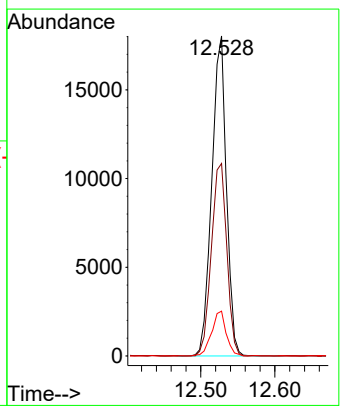


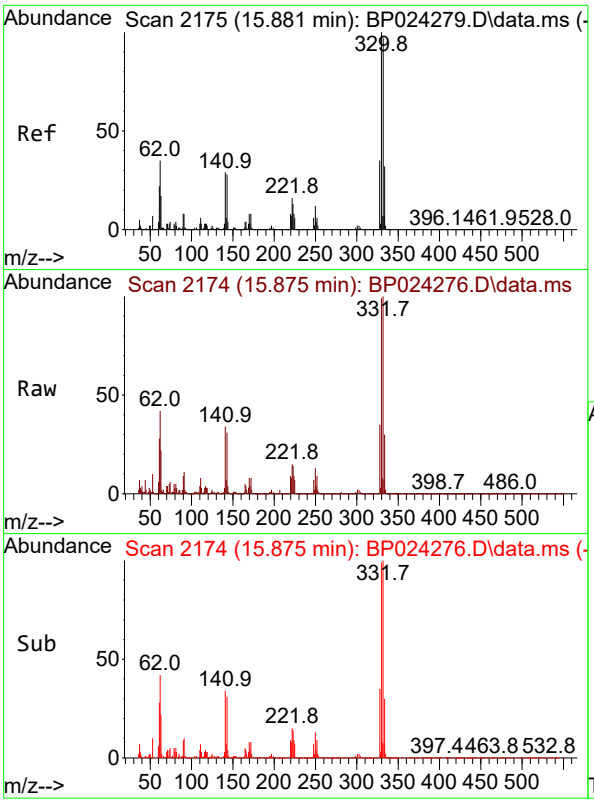


#41
Hexachlorocyclopentadiene
Concen: 4.198 ng
RT: 12.528 min Scan# 1605
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:237 Resp: 24696

Ion	Ratio	Lower	Upper
237	100		
235	60.2	43.9	83.9
272	14.0	0.0	33.6



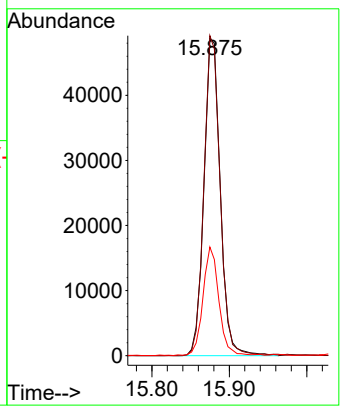


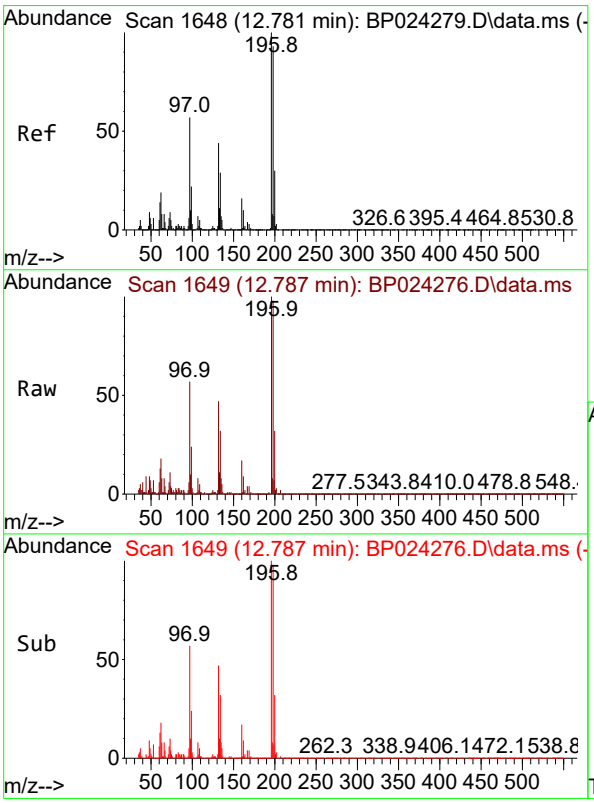
#42
2,4,6-Tribromophenol
Concen: 8.571 ng
RT: 15.875 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:330 Resp: 71560

Ion	Ratio	Lower	Upper
330	100		
332	99.6	77.1	115.7
141	33.2	24.7	37.1

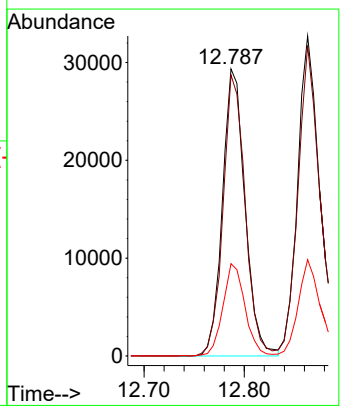


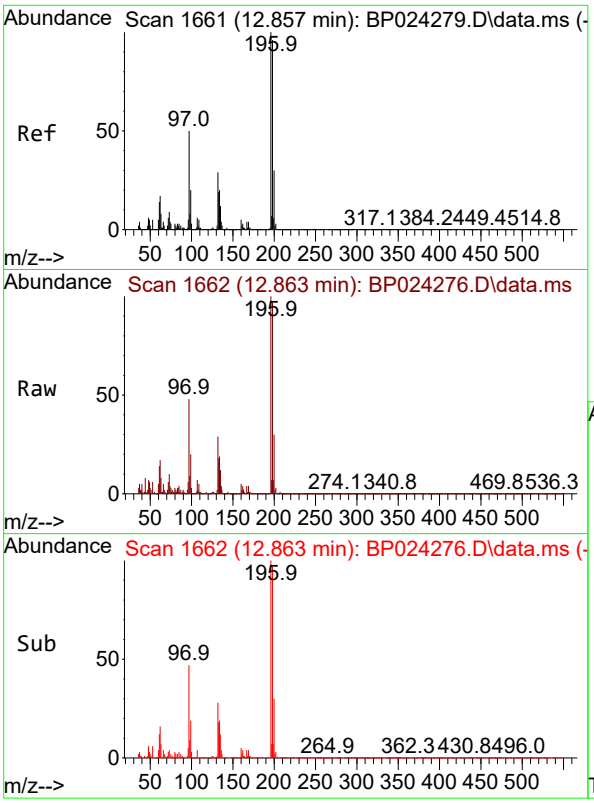


#43
2,4,6-Trichlorophenol
Concen: 4.165 ng
RT: 12.787 min Scan# 1649
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:196 Resp: 45925

Ion	Ratio	Lower	Upper
196	100		
198	97.9	74.3	111.5
200	32.2	24.0	36.0



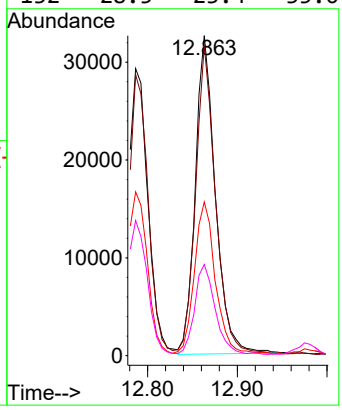


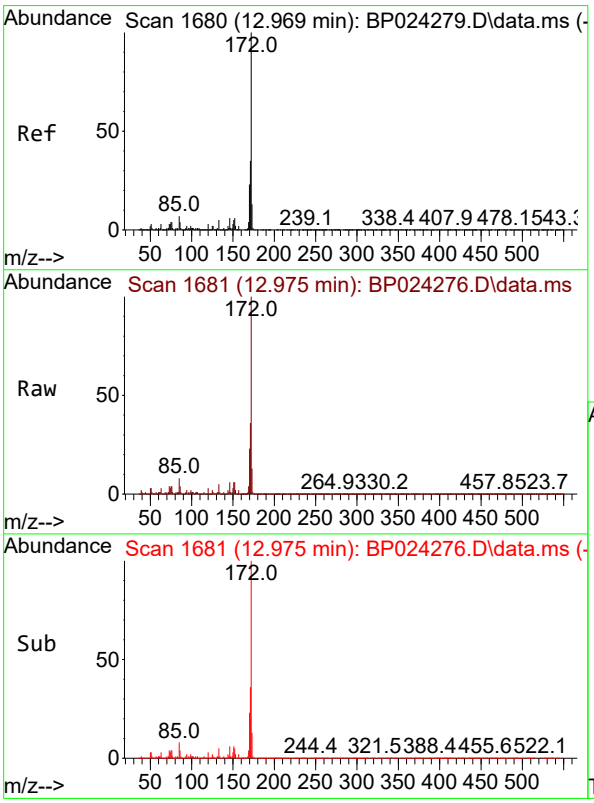
#44
2,4,5-Trichlorophenol
Concen: 4.147 ng
RT: 12.863 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 50675

Ion	Ratio	Lower	Upper
196	100		
198	97.0	77.3	115.9
97	48.1	40.4	60.6
132	28.5	23.4	35.0

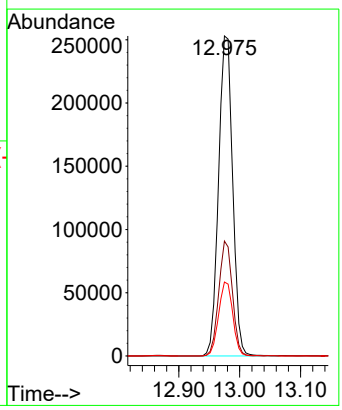


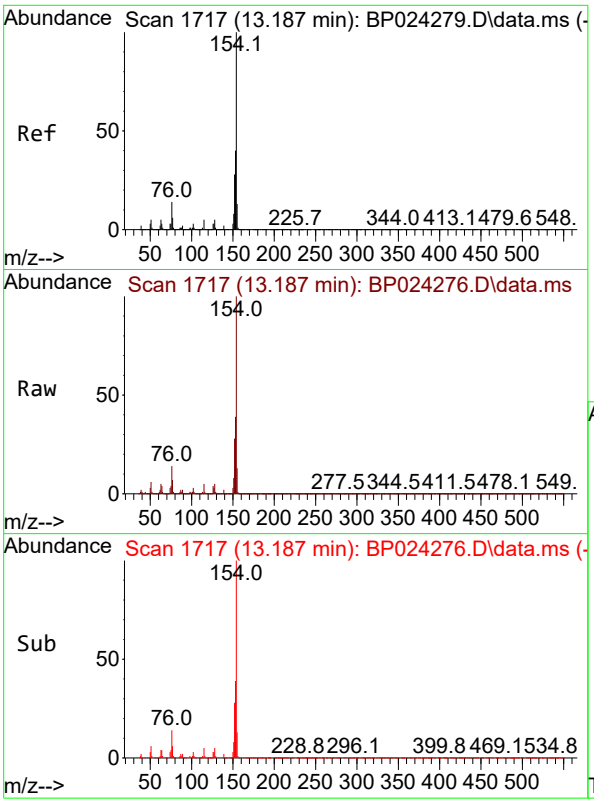


#45
2-Fluorobiphenyl
Concen: 10.111 ng
RT: 12.975 min Scan# 1681
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:172 Resp: 406060

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.2	42.2
170	23.1	18.6	27.8



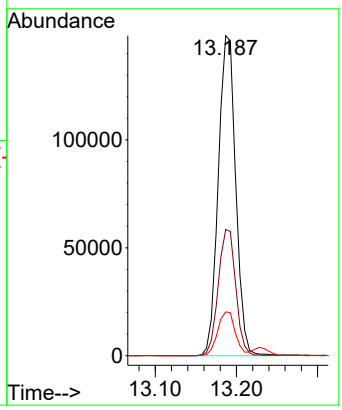


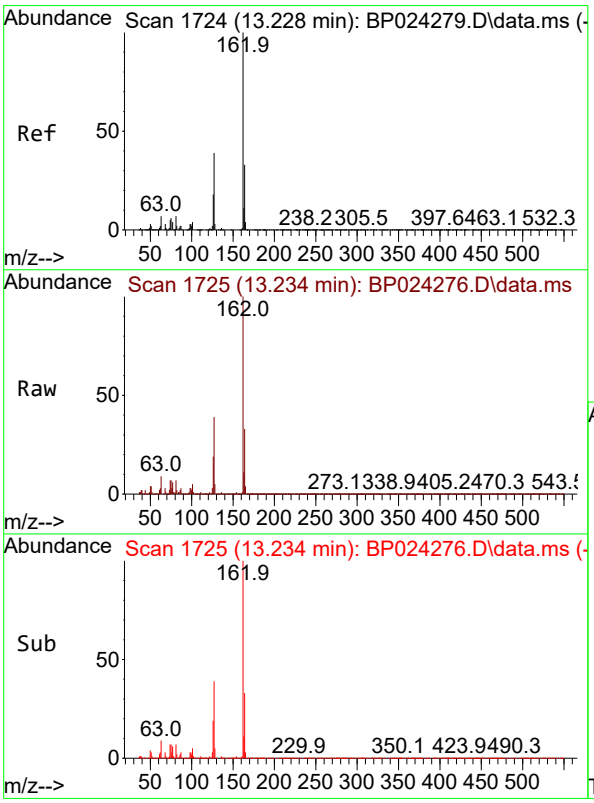
#46
1,1'-Biphenyl
Concen: 4.922 ng
RT: 13.187 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 221653

Ion	Ratio	Lower	Upper
154	100		
153	39.5	20.3	60.3
76	13.7	0.0	33.5

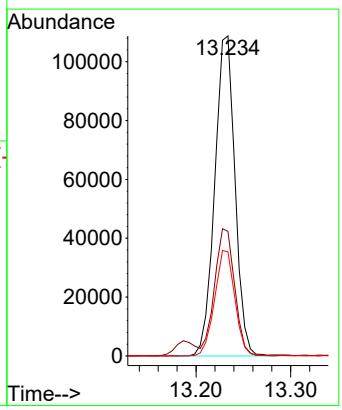


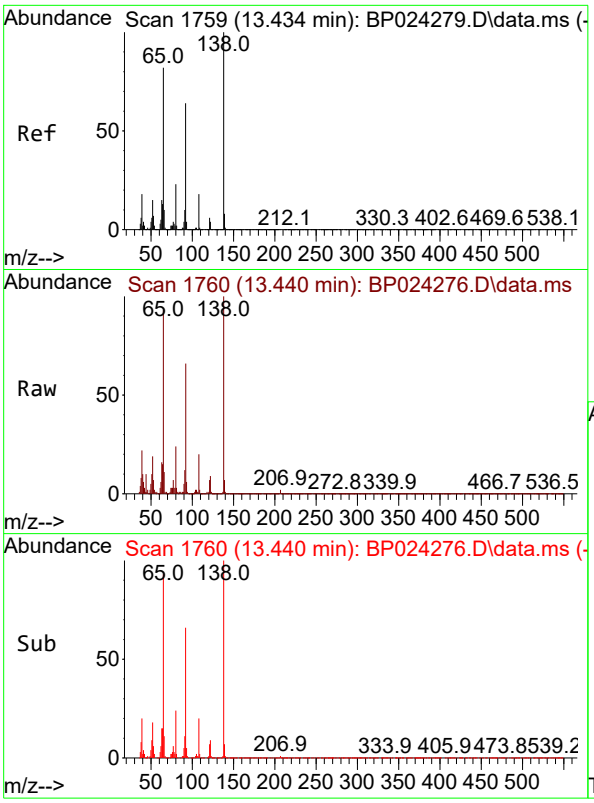


#47
2-Chloronaphthalene
Concen: 4.824 ng
RT: 13.234 min Scan# 1725
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:162 Resp: 162099

Ion	Ratio	Lower	Upper
162	100		
127	39.0	31.9	47.9
164	32.5	26.2	39.4



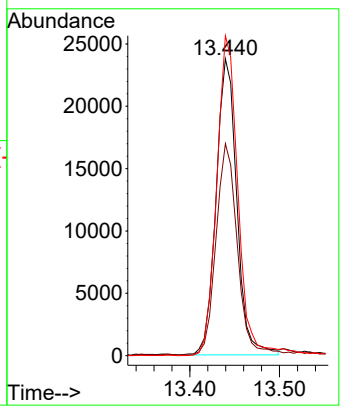


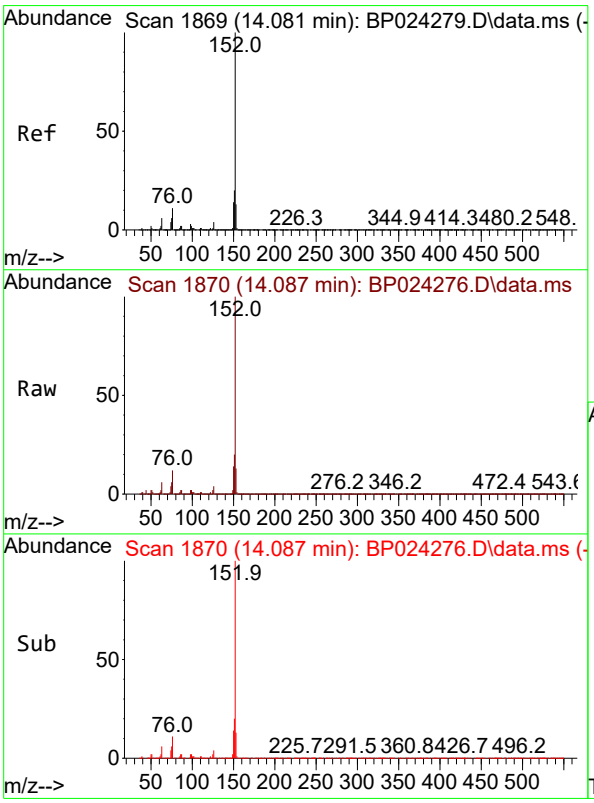
#48
2-Nitroaniline
Concen: 4.111 ng
RT: 13.440 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 65 Resp: 38152

Ion	Ratio	Lower	Upper
65	100		
92	71.5	62.3	93.5
138	107.8	97.2	145.8

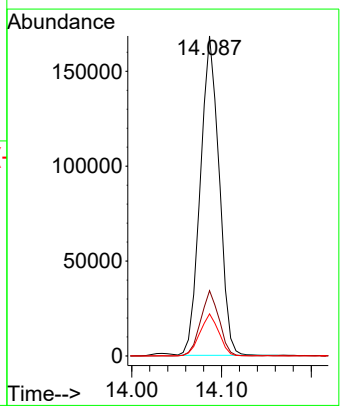


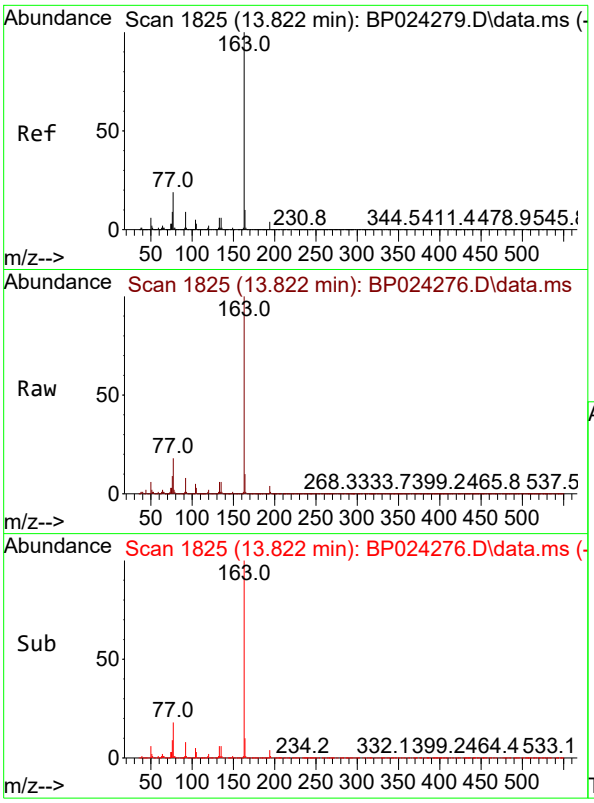


#49
Acenaphthylene
Concen: 4.637 ng
RT: 14.087 min Scan# 1870
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:152 Resp: 244566

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.9	23.9
153	13.2	10.6	15.8



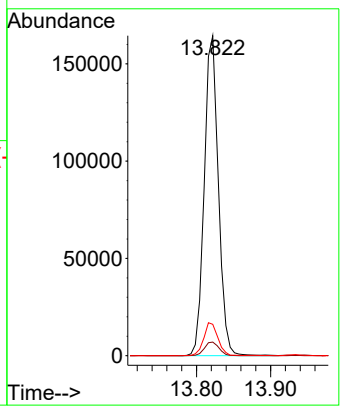


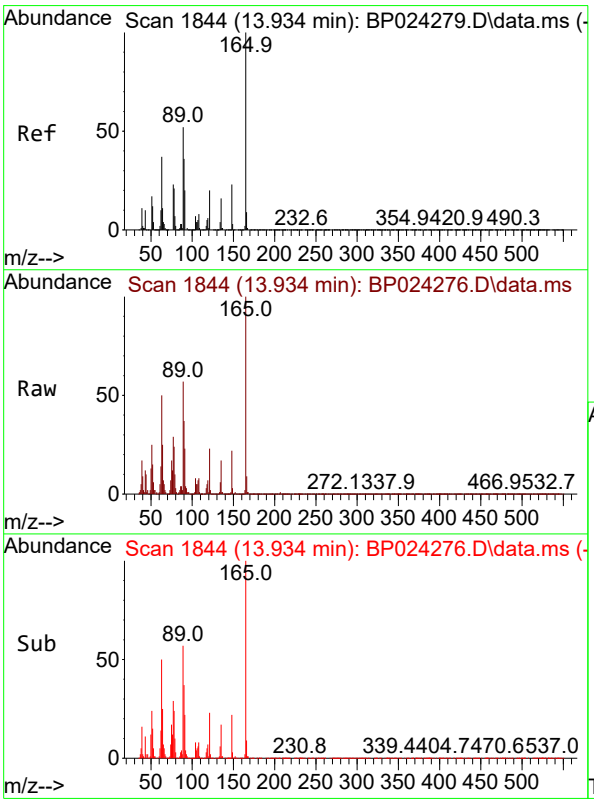
#50
Dimethylphthalate
Concen: 4.897 ng
RT: 13.822 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:163 Resp: 217848

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	9.8	8.0	12.0

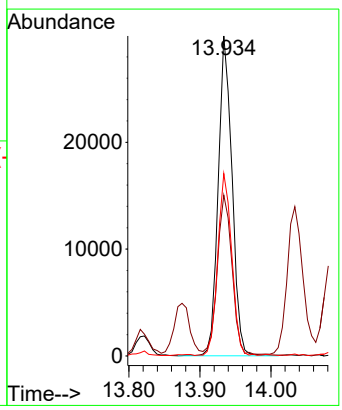


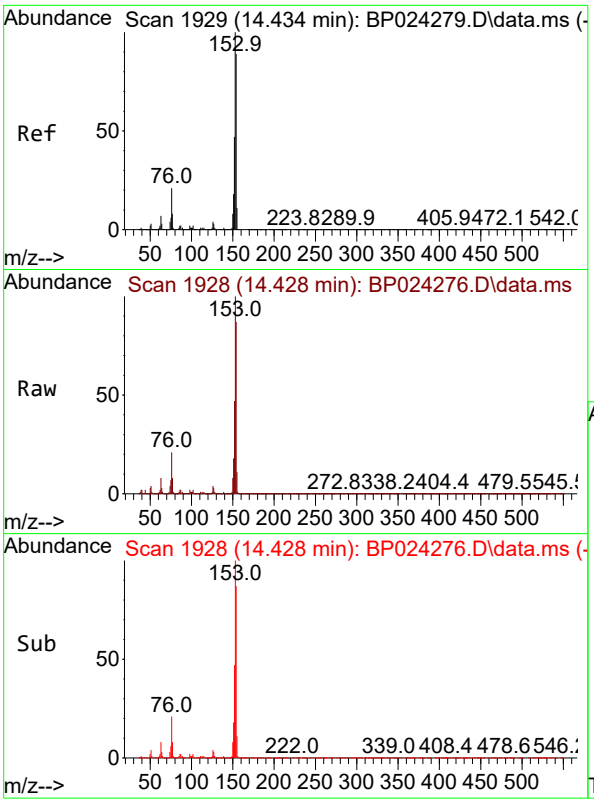


#51
2,6-Dinitrotoluene
Concen: 4.287 ng
RT: 13.934 min Scan# 1844
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:165 Resp: 40182

Ion	Ratio	Lower	Upper
165	100		
63	50.3	38.0	57.0
89	57.0	41.7	62.5



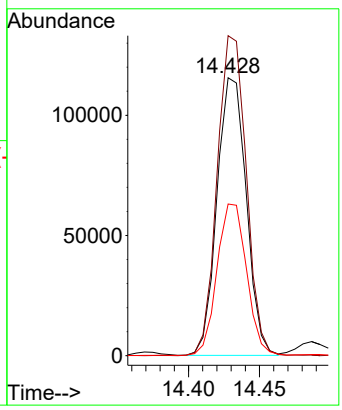


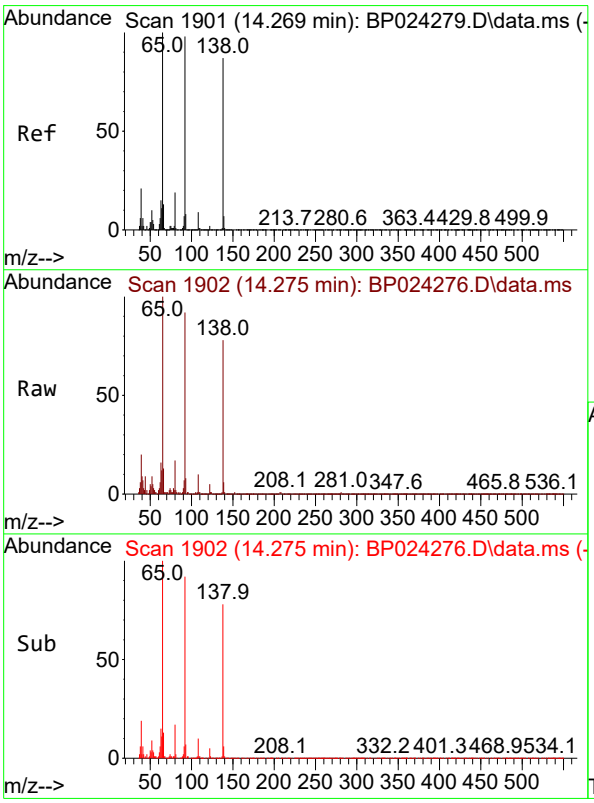
#52
Acenaphthene
Concen: 4.940 ng
RT: 14.428 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 165694

Ion	Ratio	Lower	Upper
154	100		
153	115.2	89.8	134.6
152	54.6	42.6	63.8

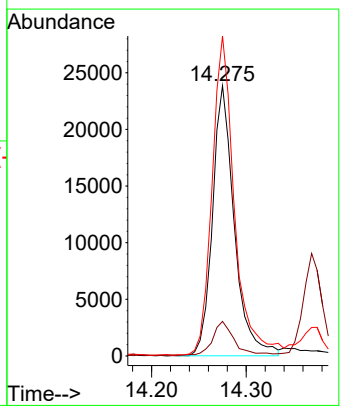


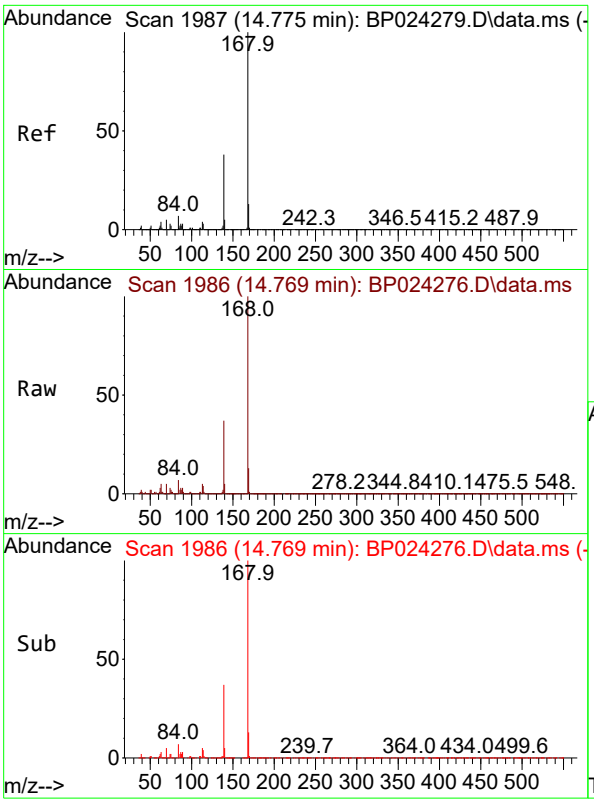


#53
3-Nitroaniline
Concen: 3.926 ng
RT: 14.275 min Scan# 1902
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:138 Resp: 38178

Ion	Ratio	Lower	Upper
138	100		
108	12.8	8.3	12.5#
92	118.4	89.8	134.8



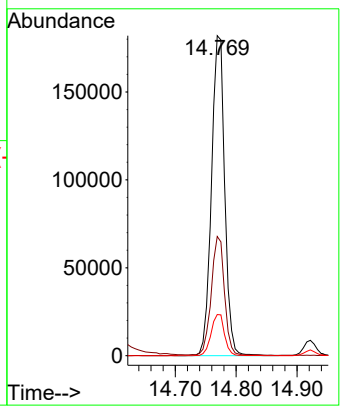


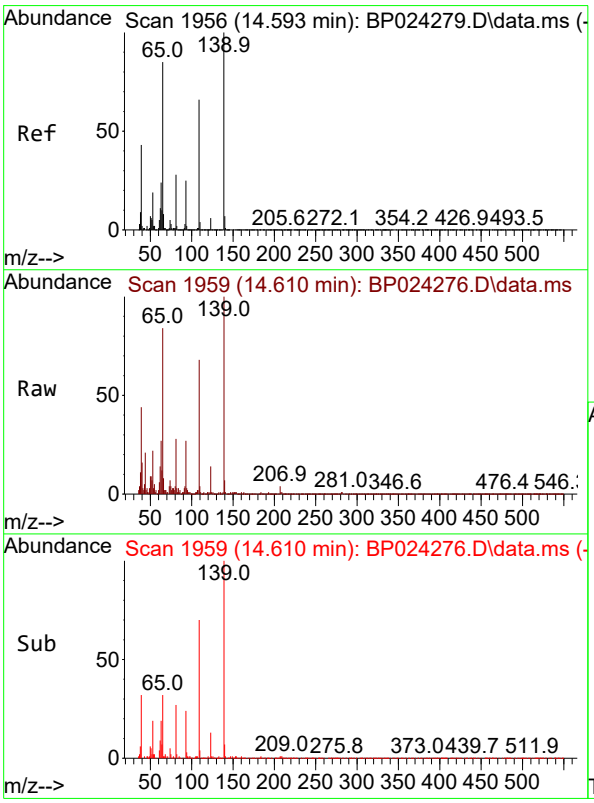
#55
Dibenzofuran
Concen: 4.991 ng
RT: 14.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:168 Resp: 274506

Ion	Ratio	Lower	Upper
168	100		
139	37.3	30.3	45.5
169	12.9	10.6	16.0

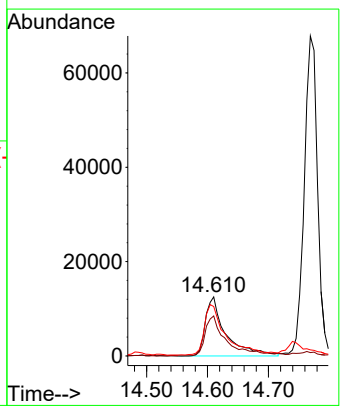


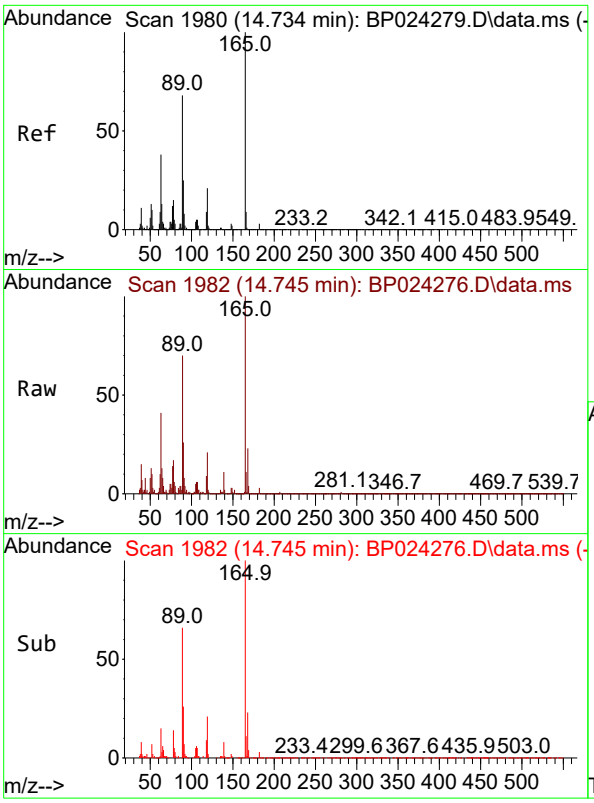


#56
4-Nitrophenol
Concen: 3.473 ng
RT: 14.610 min Scan# 1959
Delta R.T. 0.018 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:139 Resp: 29033

Ion	Ratio	Lower	Upper
139	100		
109	67.8	46.1	86.1
65	83.9	65.0	105.0



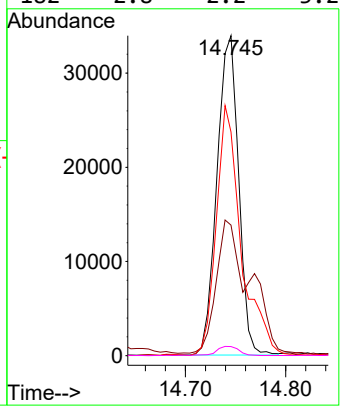


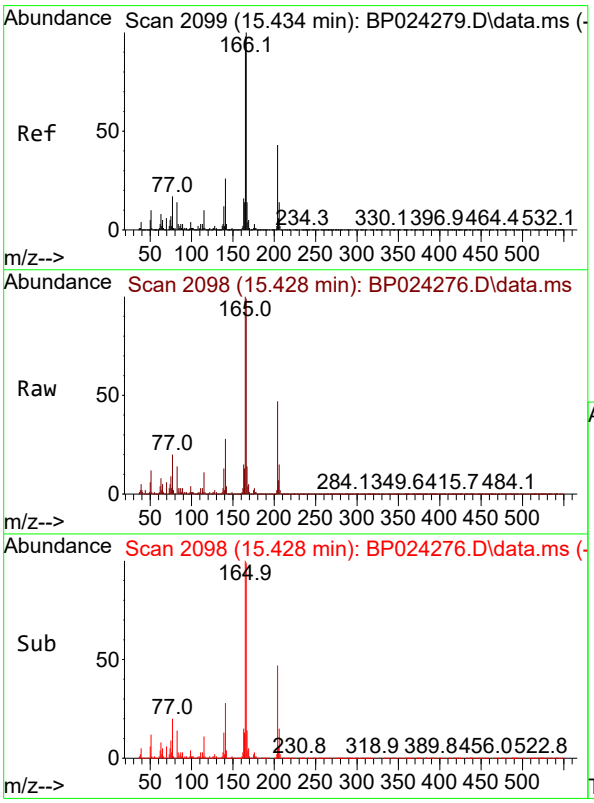
#57
2,4-Dinitrotoluene
Concen: 4.013 ng
RT: 14.745 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 50843

Ion	Ratio	Lower	Upper
165	100		
63	40.8	30.4	45.6
89	69.9	54.6	82.0
182	2.8	2.2	3.2

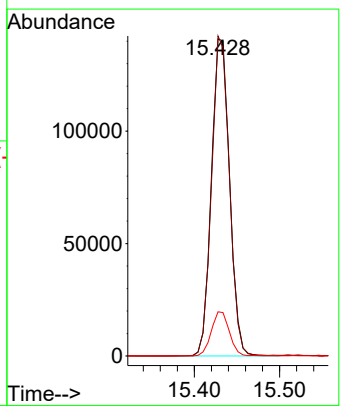


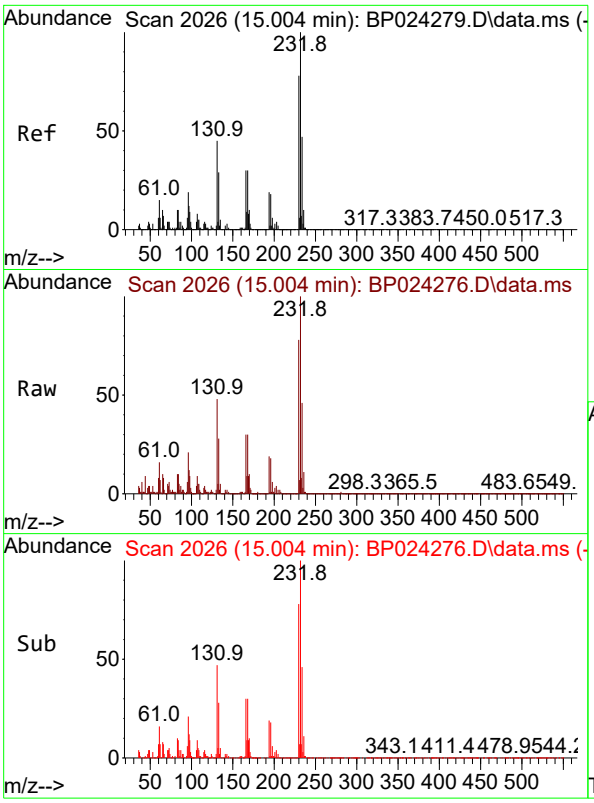


#58
Fluorene
Concen: 4.939 ng
RT: 15.428 min Scan# 2098
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:166 Resp: 209763

Ion	Ratio	Lower	Upper
166	100		
165	101.0	78.1	117.1
167	13.9	10.9	16.3



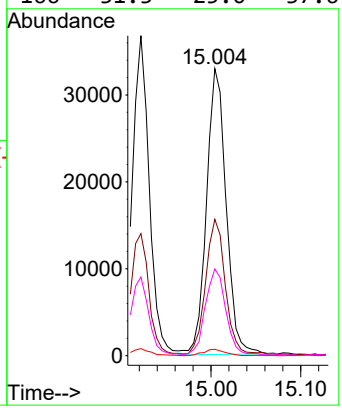


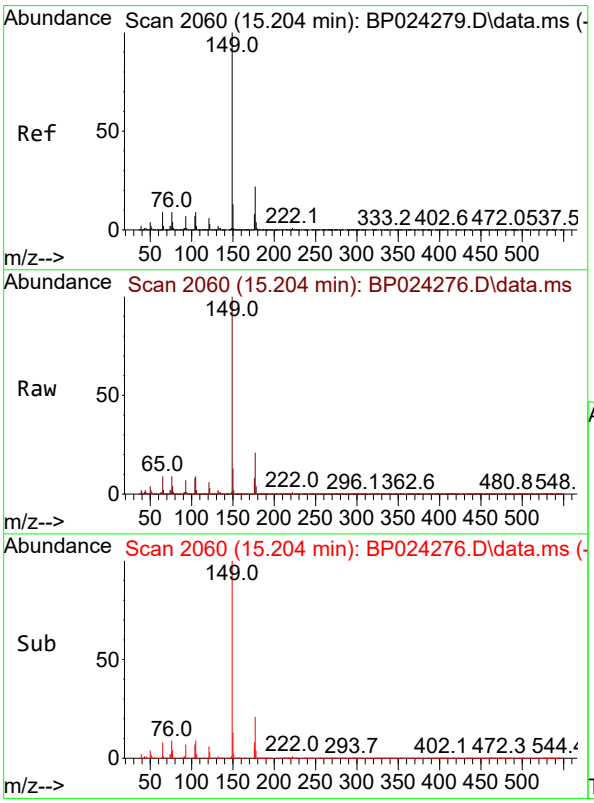
#59
2,3,4,6-Tetrachlorophenol
Concen: 4.415 ng
RT: 15.004 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:232 Resp: 49911

Ion	Ratio	Lower	Upper
232	100		
131	48.4	36.8	55.2
130	2.5	1.9	2.9
166	31.3	25.0	37.6

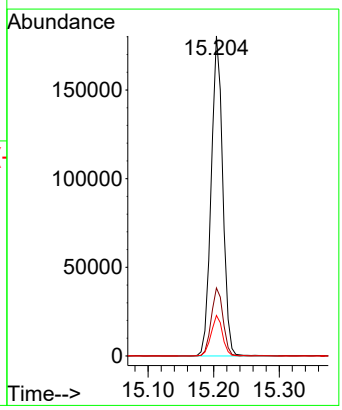


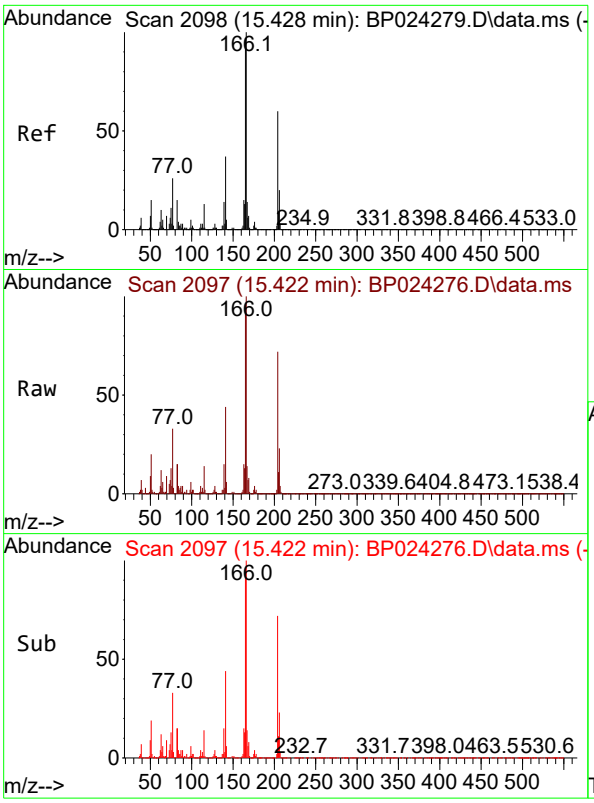


#60
Diethylphthalate
Concen: 4.830 ng
RT: 15.204 min Scan# 2060
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:149 Resp: 221119

Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.4	26.2
150	12.7	10.1	15.1



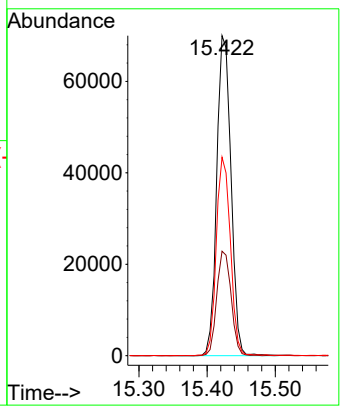


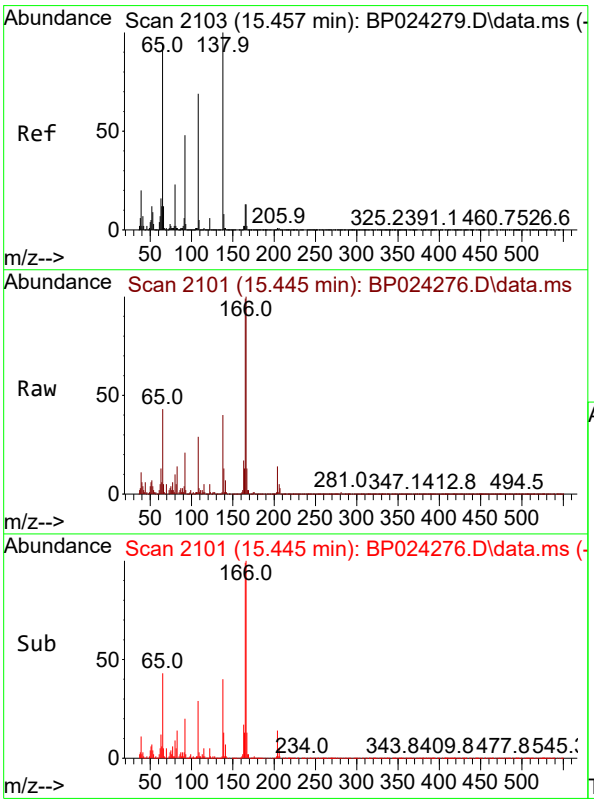
#61
4-Chlorophenyl-phenylether
Concen: 4.928 ng
RT: 15.422 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:204 Resp: 101636

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.5	39.7
141	62.0	49.4	74.0

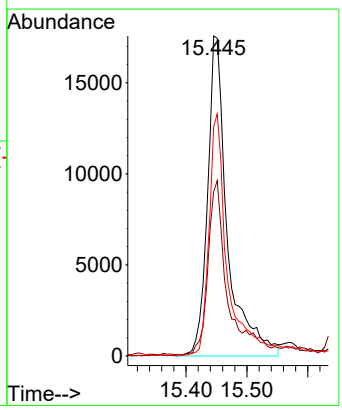


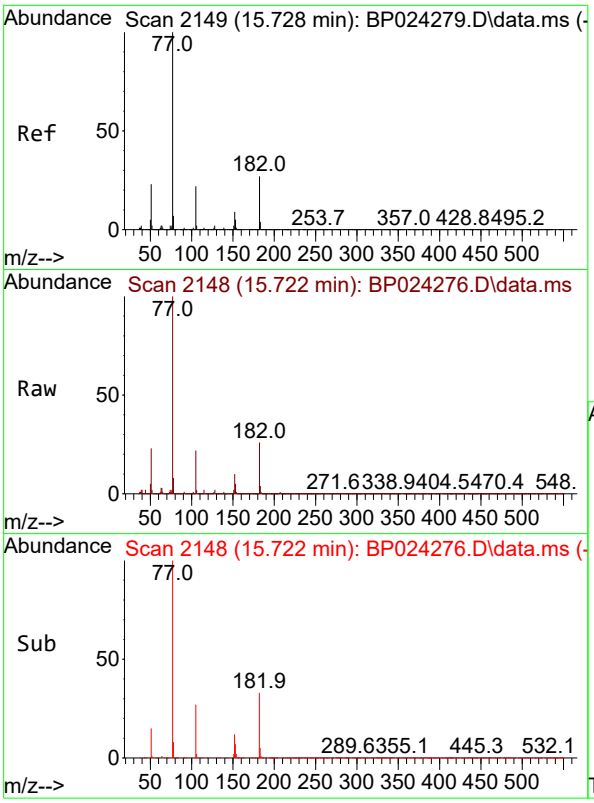


#62
4-Nitroaniline
Concen: 3.893 ng
RT: 15.445 min Scan# 2101
Delta R.T. -0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:138 Resp: 40139

Ion	Ratio	Lower	Upper
138	100		
92	51.4	27.8	67.8
108	71.8	48.9	88.9



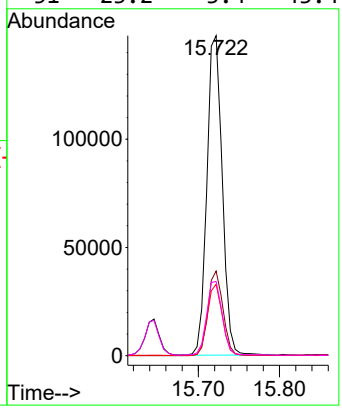


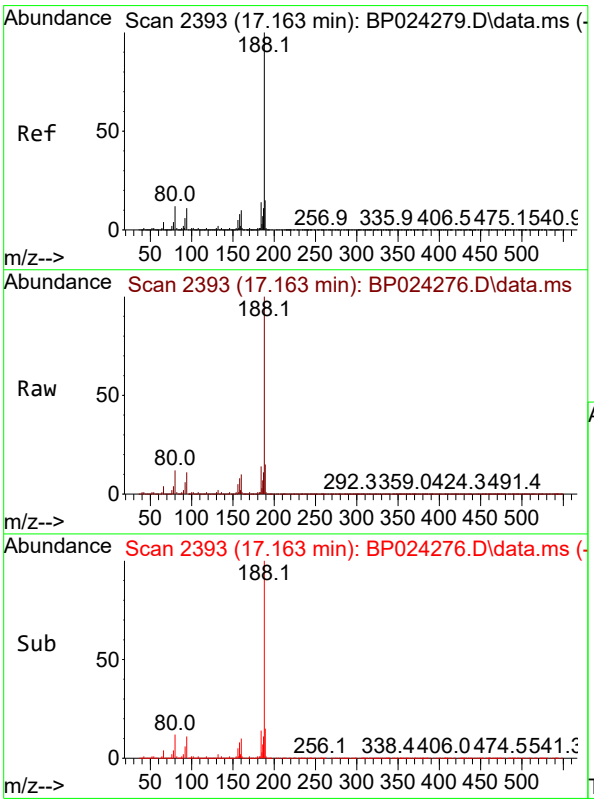
#63
Azobenzene
Concen: 4.586 ng
RT: 15.722 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 193402

Ion	Ratio	Lower	Upper
77	100		
182	26.4	7.3	47.3
105	22.3	2.3	42.3
51	23.2	3.4	43.4

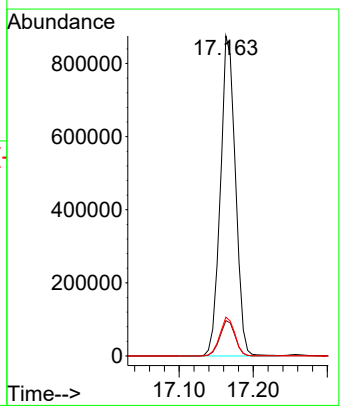


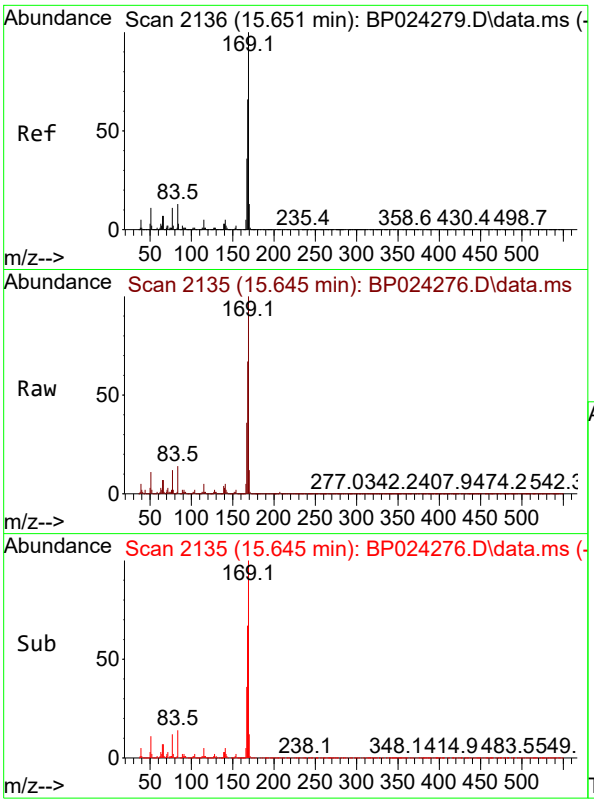


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2393
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:188 Resp: 1234074

Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.6	13.0
80	12.1	9.8	14.6



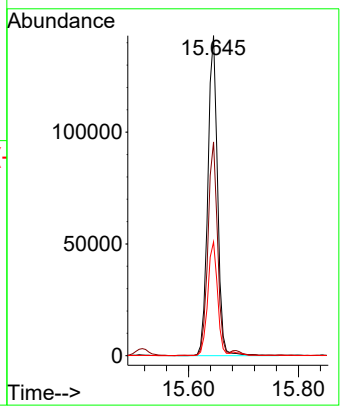


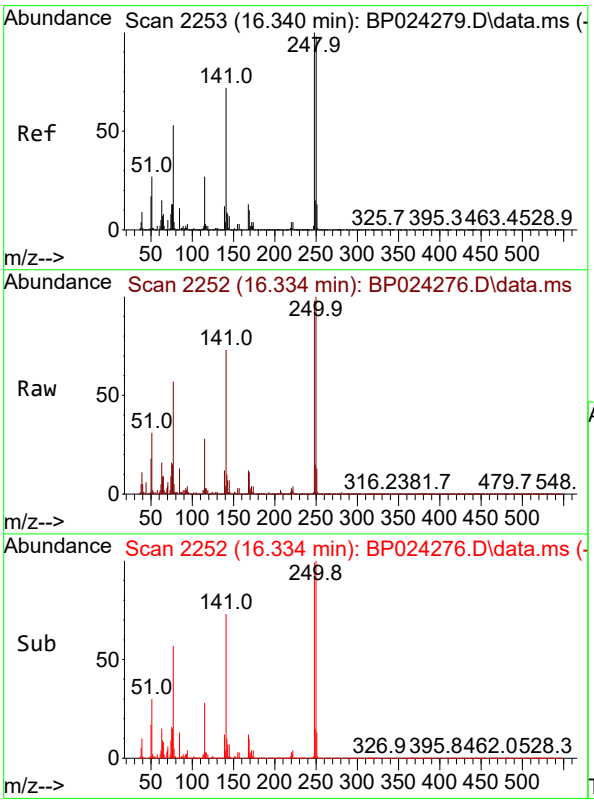
#66
n-Nitrosodiphenylamine
Concen: 4.726 ng
RT: 15.645 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:169 Resp: 174867

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.0	79.4
167	35.6	28.9	43.3

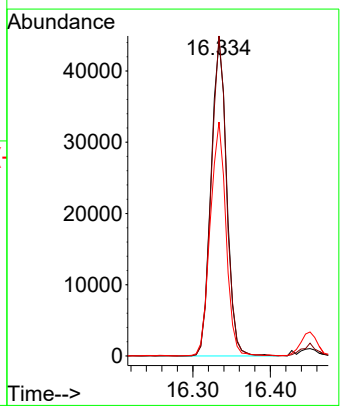


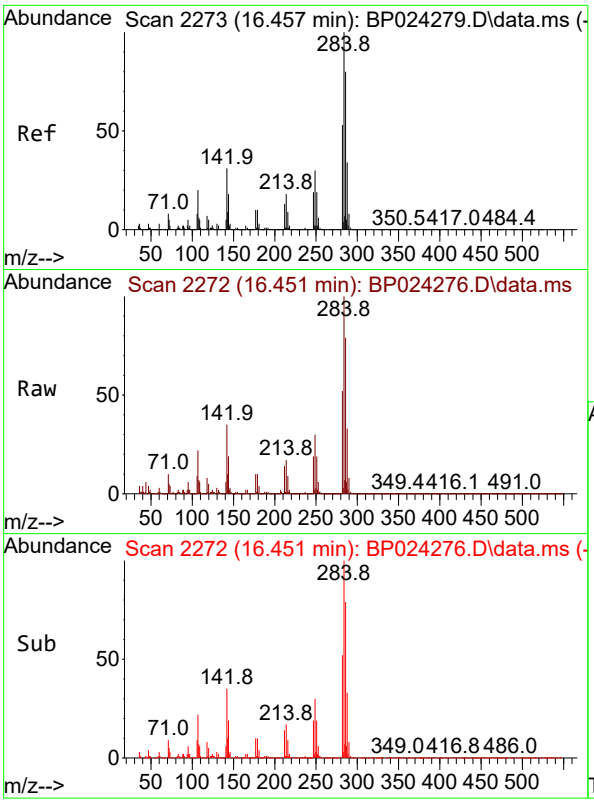


#67
4-Bromophenyl-phenylether
Concen: 4.647 ng
RT: 16.334 min Scan# 2252
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:248 Resp: 62558

Ion	Ratio	Lower	Upper
248	100		
250	101.6	78.2	117.4
141	74.2	57.7	86.5



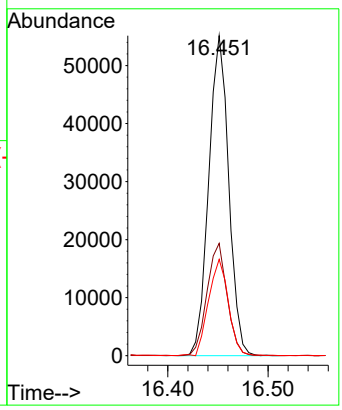


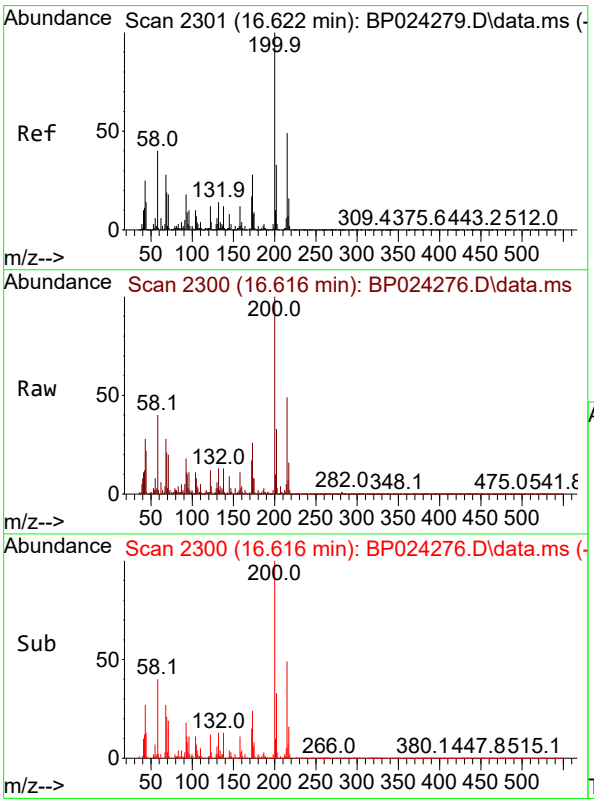
#68
Hexachlorobenzene
Concen: 4.766 ng
RT: 16.451 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:284 Resp: 76267

Ion	Ratio	Lower	Upper
284	100		
142	35.1	24.6	37.0
249	30.1	23.8	35.6

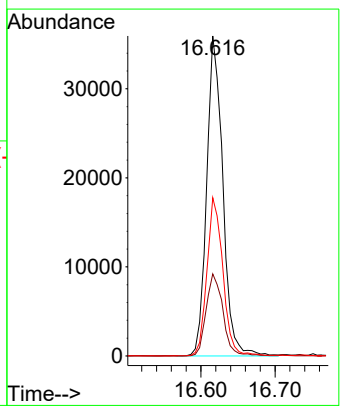


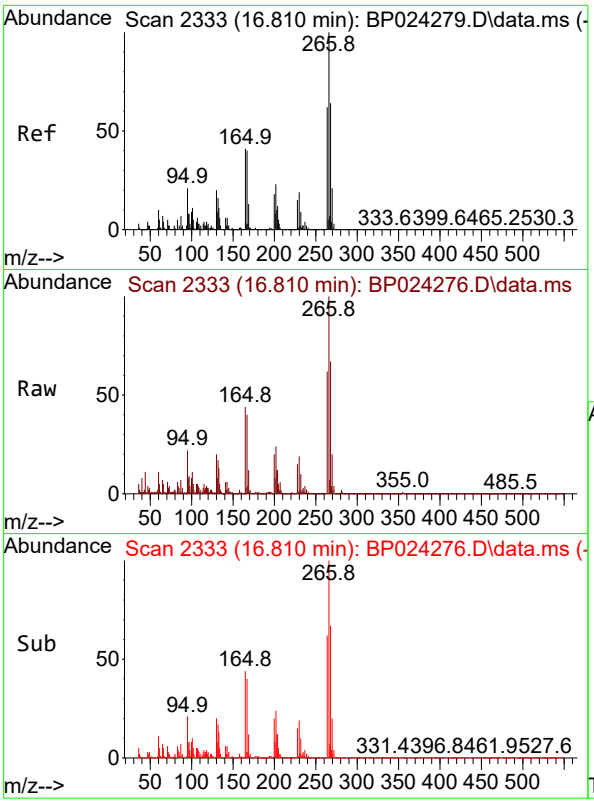


#69
Atrazine
Concen: 5.803 ng
RT: 16.616 min Scan# 2300
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:200 Resp: 54439

Ion	Ratio	Lower	Upper
200	100		
173	25.6	7.5	47.5
215	49.4	28.8	68.8



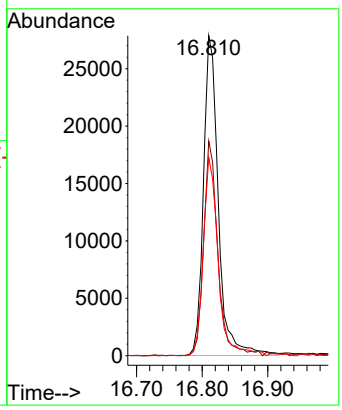


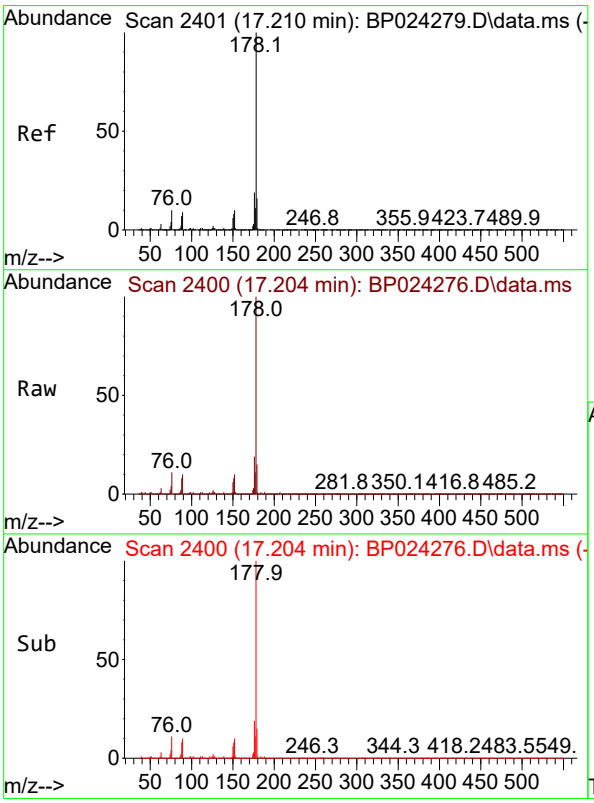
#70
Pentachlorophenol
Concen: 4.015 ng
RT: 16.810 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:266 Resp: 44119

Ion	Ratio	Lower	Upper
266	100		
268	67.1	51.0	76.6
264	61.9	49.8	74.6

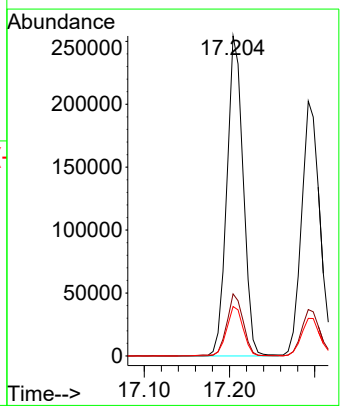


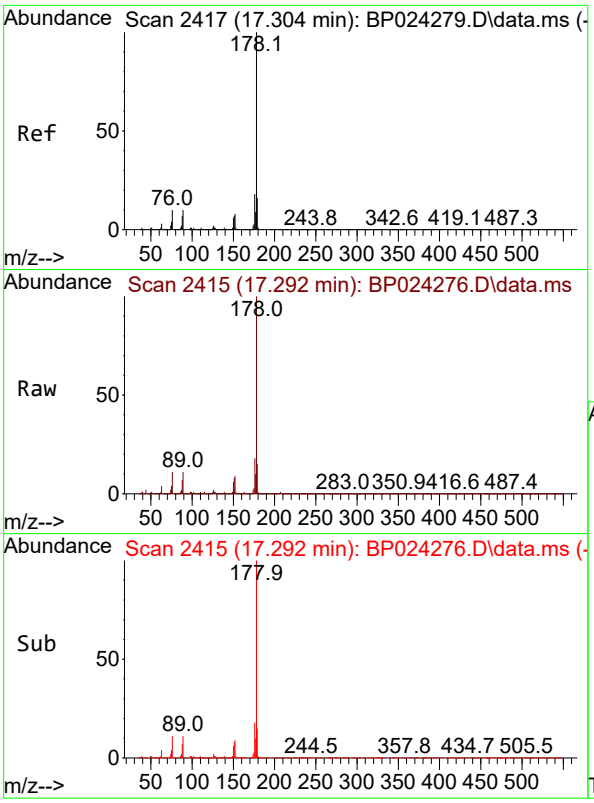


#71
Phenanthrene
Concen: 5.005 ng
RT: 17.204 min Scan# 2400
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:178 Resp: 338611

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.5	12.5	18.7



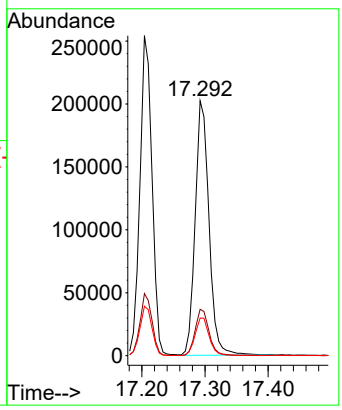


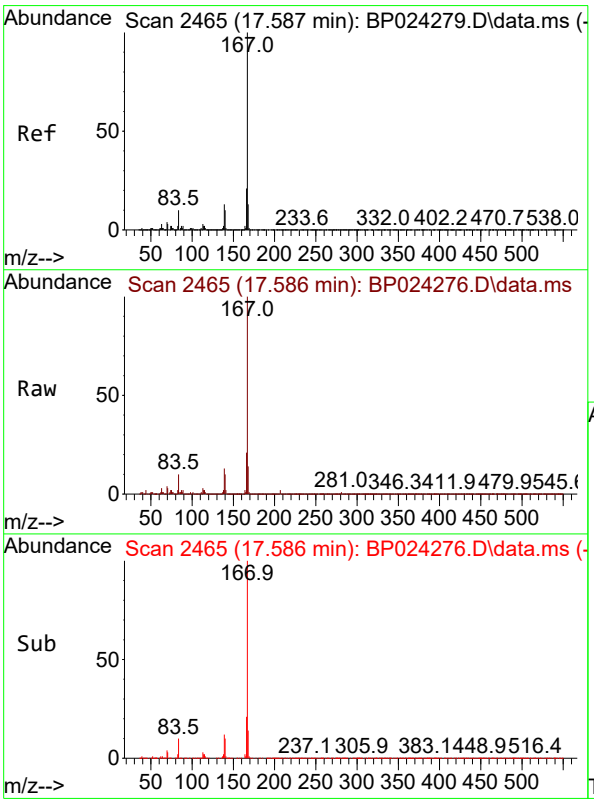
#72
Anthracene
Concen: 4.716 ng
RT: 17.292 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 307065

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.7	22.1
179	14.8	12.4	18.6

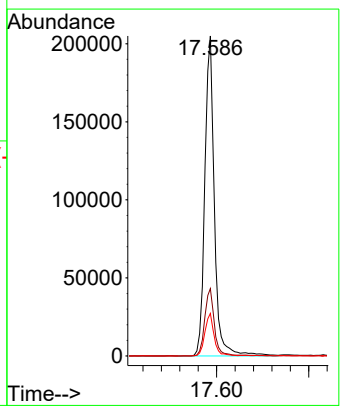


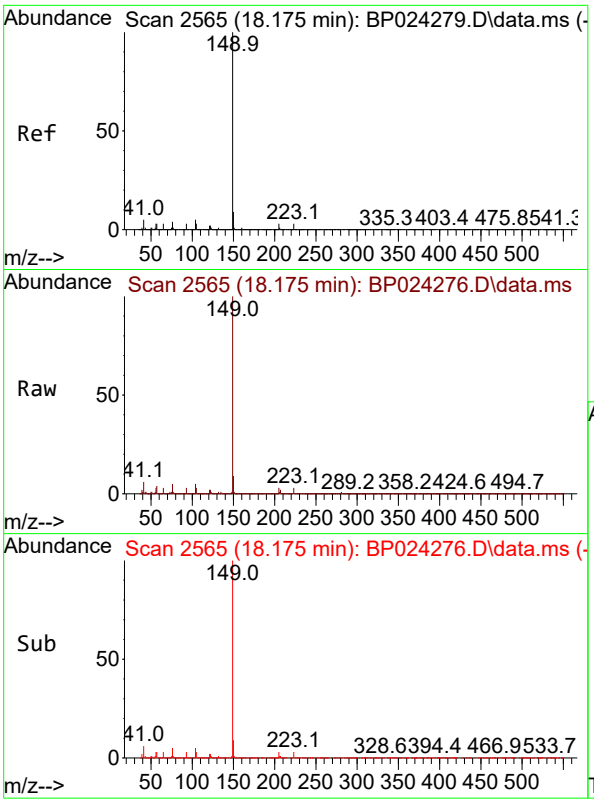


#73
Carbazole
Concen: 4.711 ng
RT: 17.586 min Scan# 2465
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:167 Resp: 298495

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.1	25.7
139	13.3	10.6	16.0



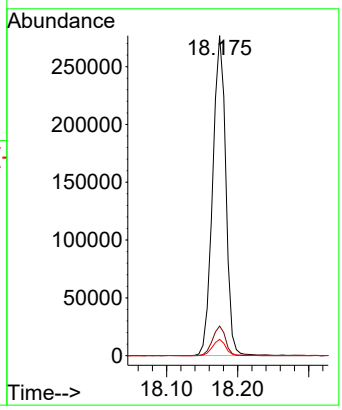


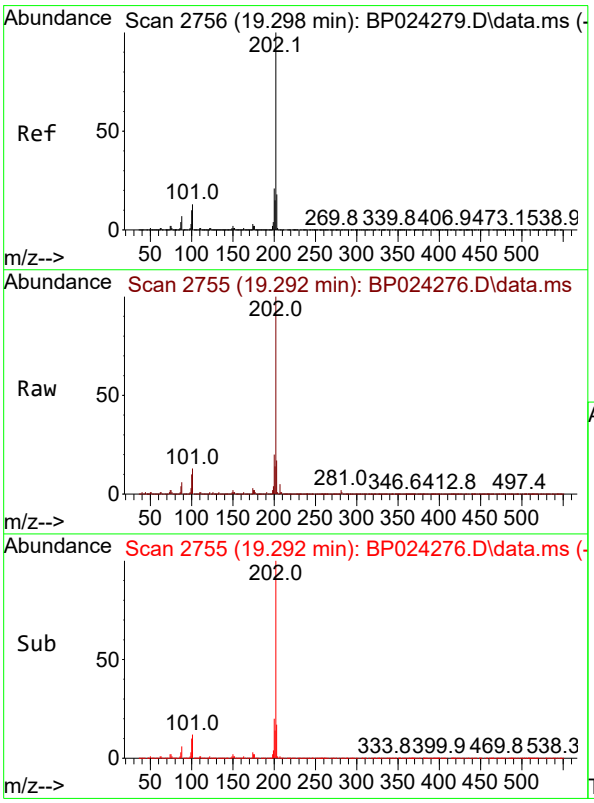
#74
Di-n-butylphthalate
Concen: 4.484 ng
RT: 18.175 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 354008

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.1	3.9	5.9

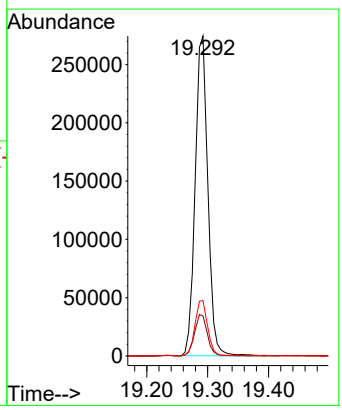


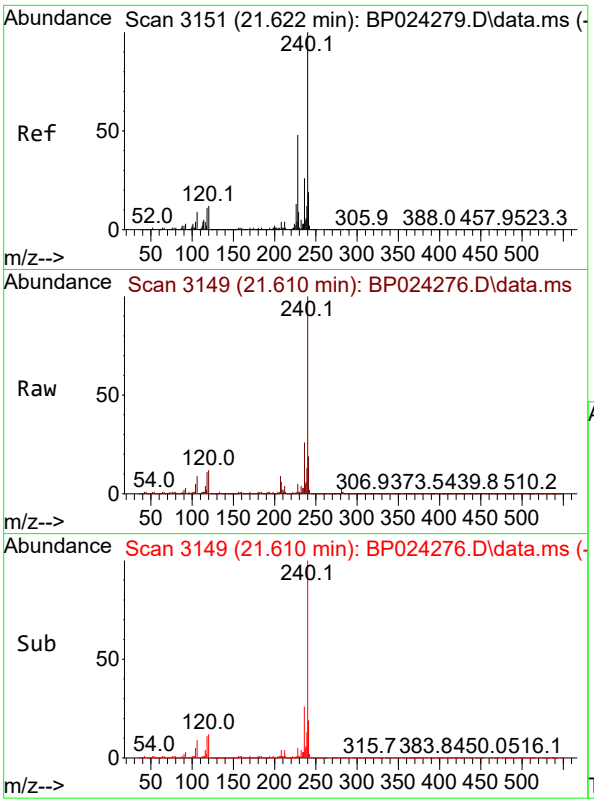


#75
Fluoranthene
Concen: 4.951 ng
RT: 19.292 min Scan# 2755
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:202 Resp: 397601

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.2
203	17.3	0.0	37.7



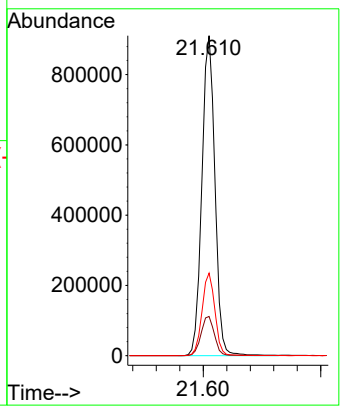


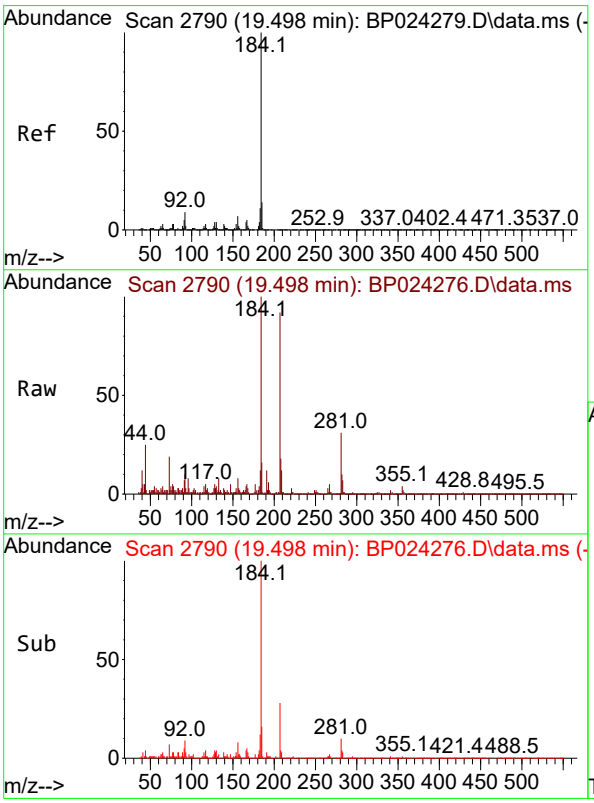
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.610 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:240 Resp: 1401979

Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.8	14.8
236	25.8	20.9	31.3

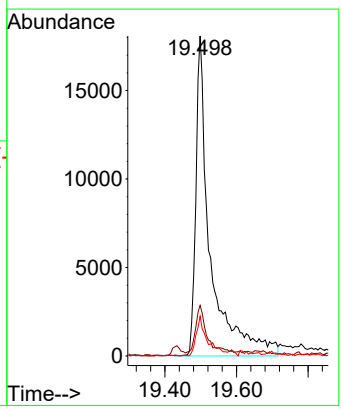


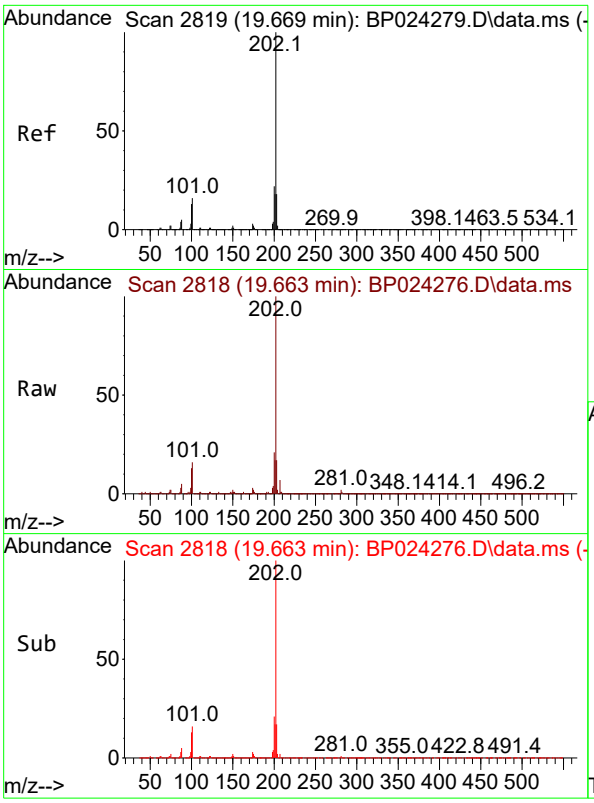


#77
Benzidine
Concen: 2.925 ng m
RT: 19.498 min Scan# 2790
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:184 Resp: 50615

Ion	Ratio	Lower	Upper
184	100		
185	15.8	11.6	17.4
183	12.4	9.2	13.8



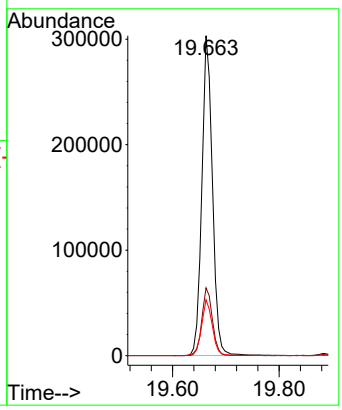


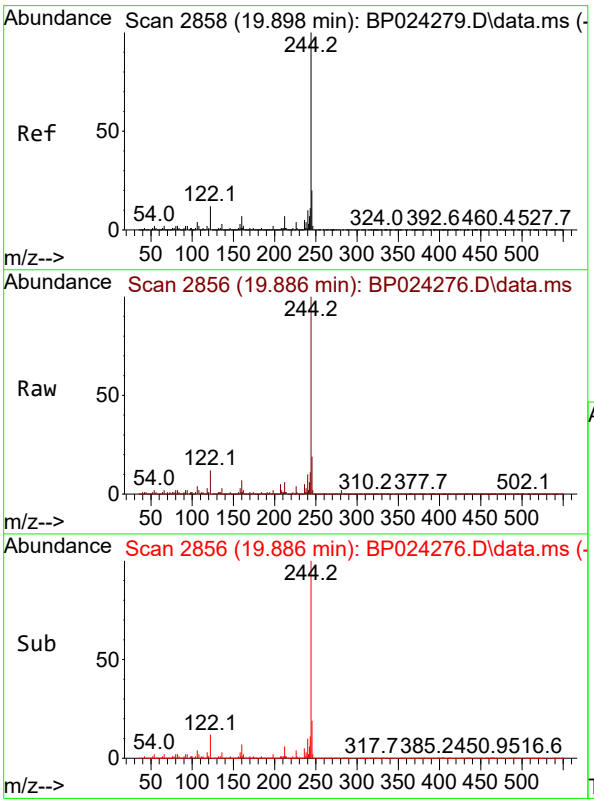
#78
Pyrene
Concen: 4.657 ng
RT: 19.663 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:202 Resp: 417746

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	17.5	14.4	21.6

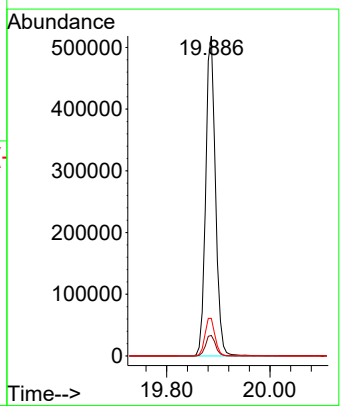


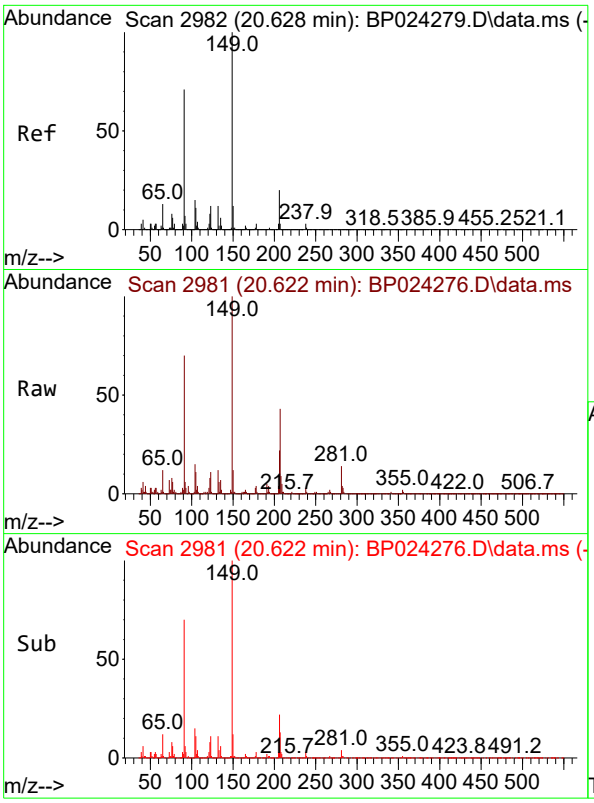


#79
Terphenyl-d14
Concen: 9.638 ng
RT: 19.886 min Scan# 2856
Delta R.T. -0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:244 Resp: 677812

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.6	8.4
122	11.7	9.4	14.0



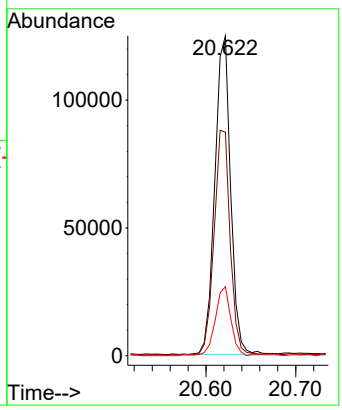


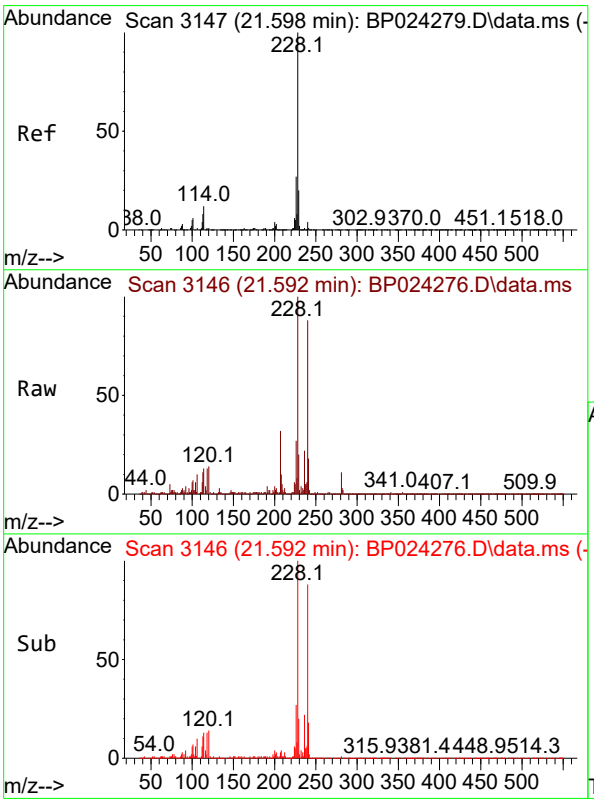
#80
Butylbenzylphthalate
Concen: 4.024 ng
RT: 20.622 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 152196

Ion	Ratio	Lower	Upper
149	100		
91	69.9	56.4	84.6
206	21.6	16.3	24.5

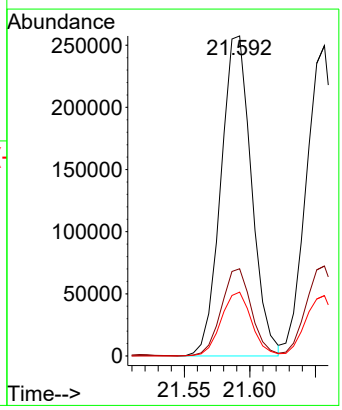


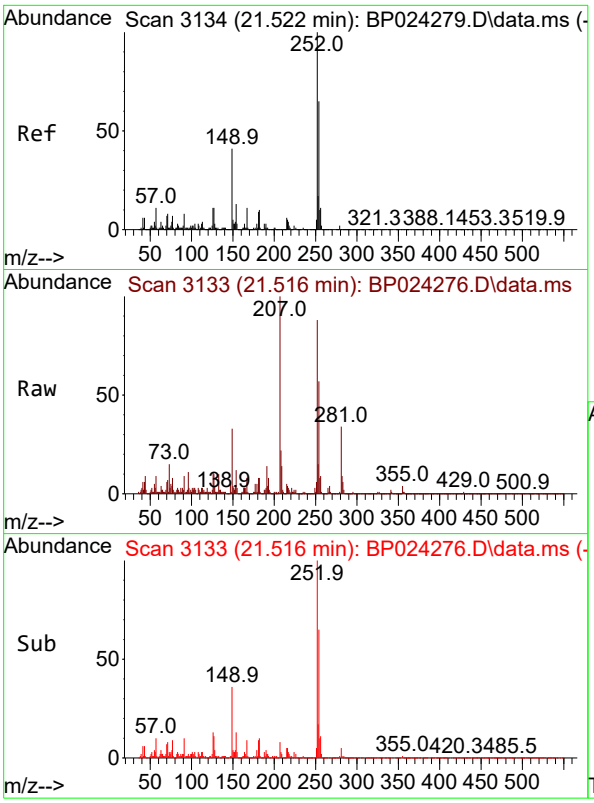


#81
Benzo(a)anthracene
Concen: 4.791 ng
RT: 21.592 min Scan# 3146
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:228 Resp: 418745

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	20.0	15.9	23.9



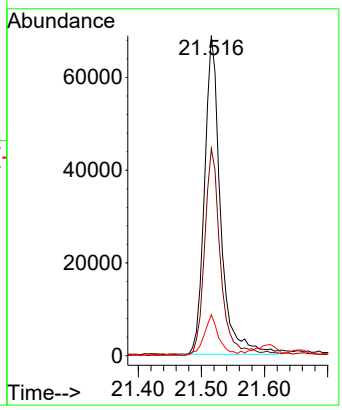


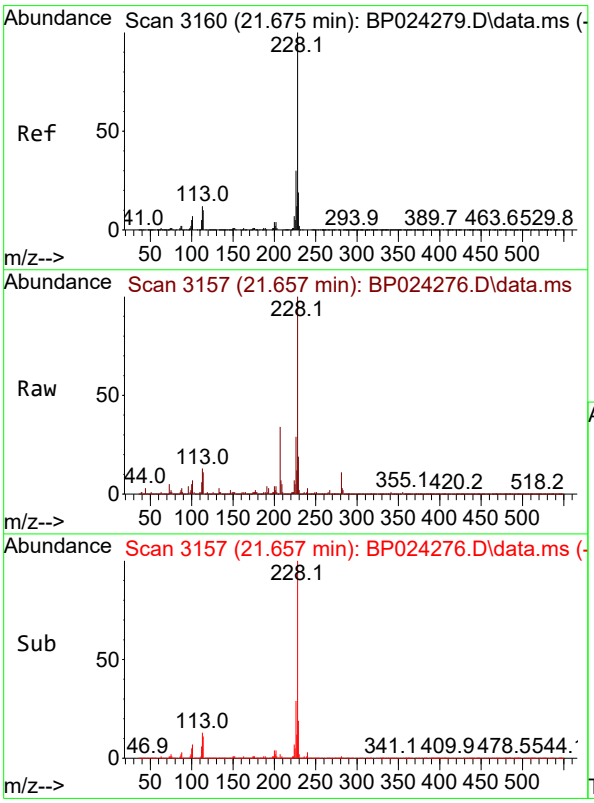
#82
3,3'-Dichlorobenzidine
Concen: 3.994 ng
RT: 21.516 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 121047

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.7	77.5
126	12.8	8.8	13.2

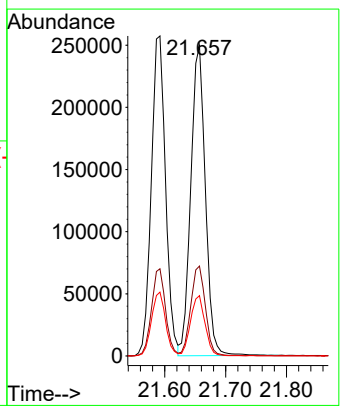


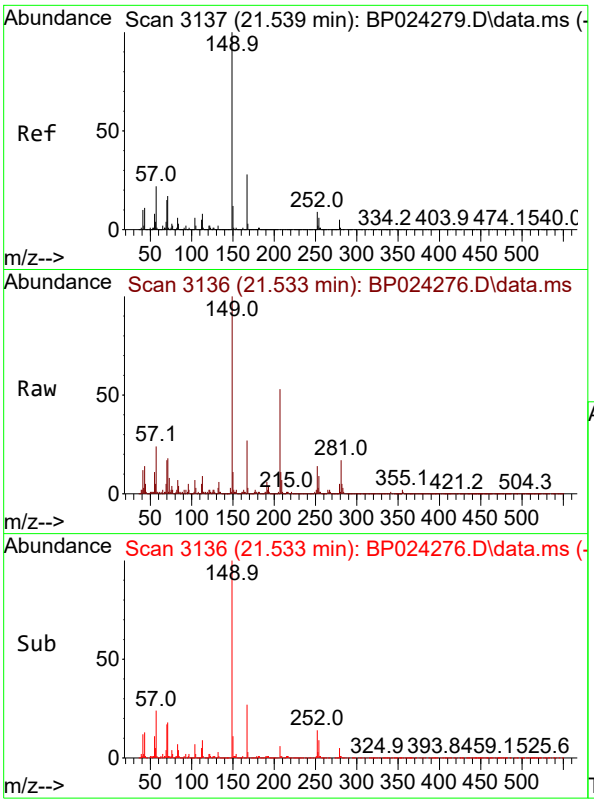


#83
Chrysene
Concen: 4.937 ng
RT: 21.657 min Scan# 3157
Delta R.T. -0.018 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:228 Resp: 413570

Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.2	36.2
229	19.4	15.6	23.4



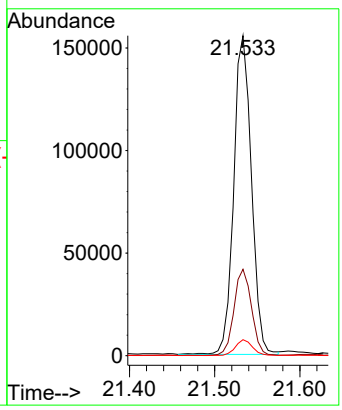


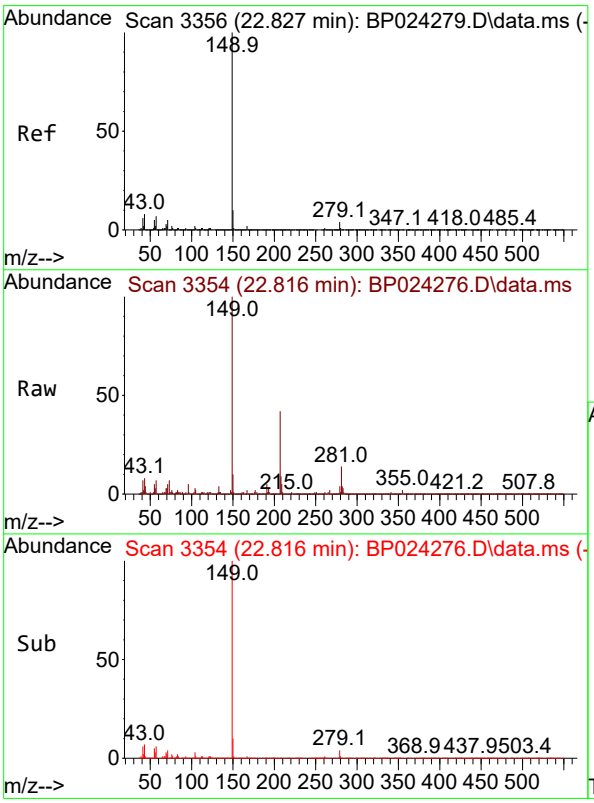
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.021 ng
RT: 21.533 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 223960

Ion	Ratio	Lower	Upper
149	100		
167	27.0	22.4	33.6
279	5.0	4.0	6.0

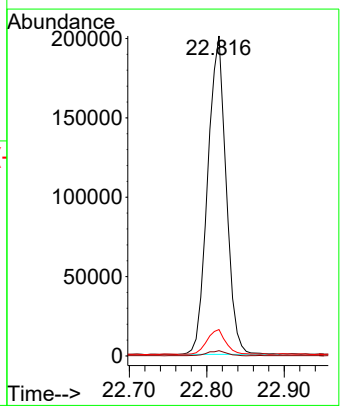


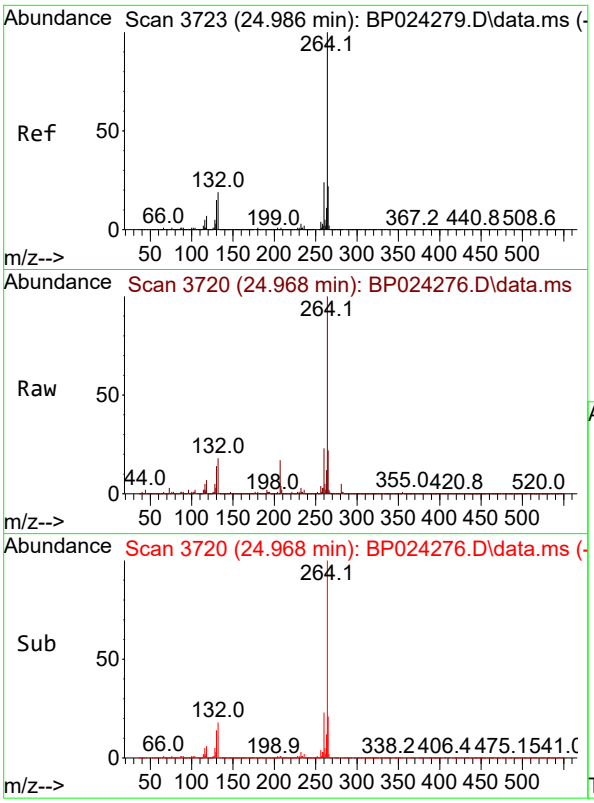


#85
Di-n-octyl phthalate
Concen: 3.712 ng
RT: 22.816 min Scan# 3354
Delta R.T. -0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:149 Resp: 331185

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.9	6.0	9.0



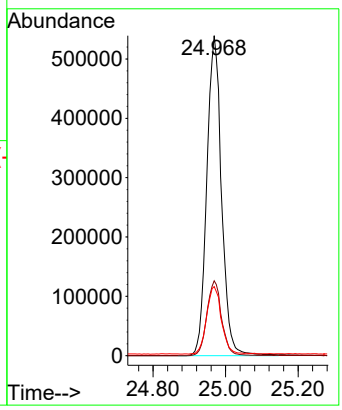


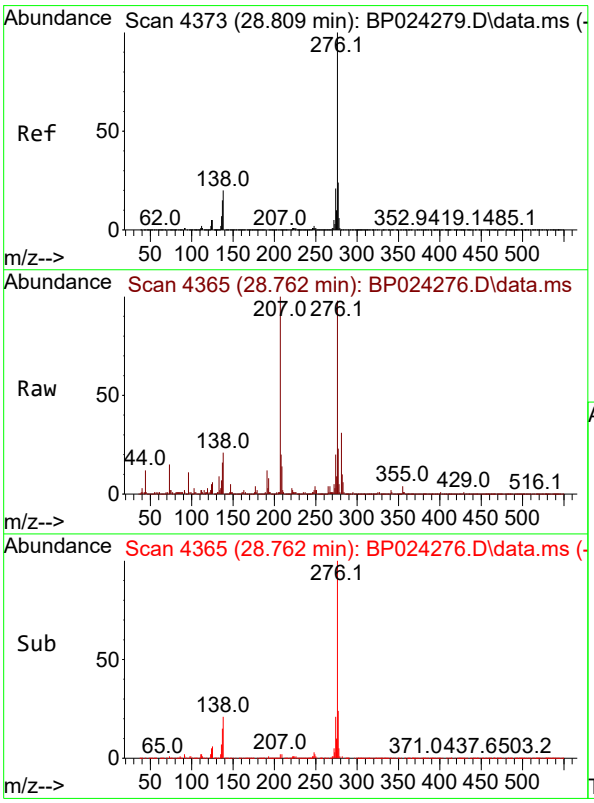
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.968 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:264 Resp: 1519057

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.9	28.3
265	21.6	17.8	26.6

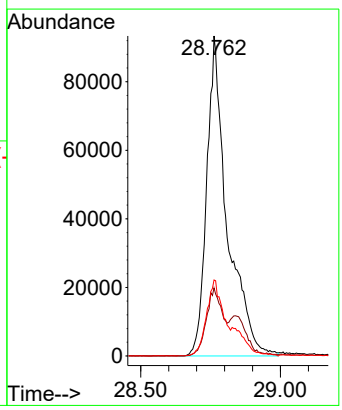


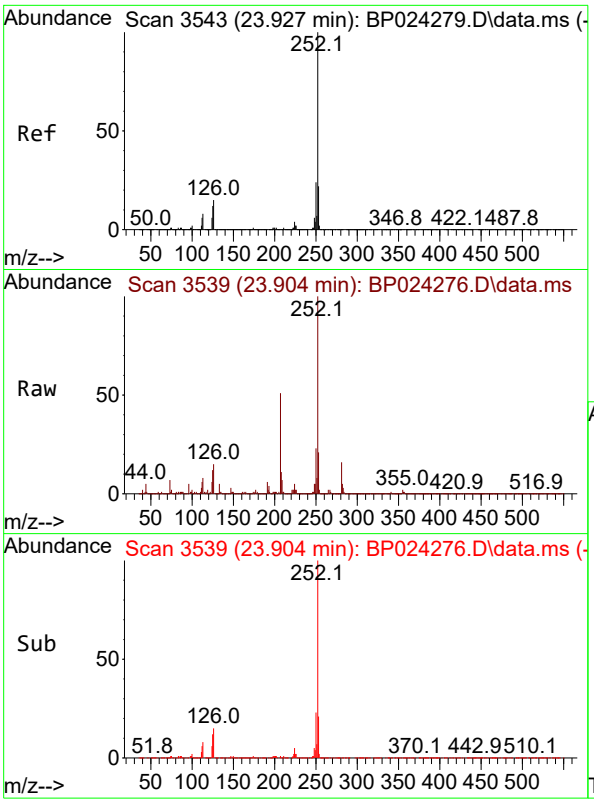


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.552 ng
RT: 28.762 min Scan# 4365
Delta R.T. -0.047 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:276 Resp: 475578

Ion	Ratio	Lower	Upper
276	100		
138	16.7	14.5	21.7
277	19.3	20.2	30.2#



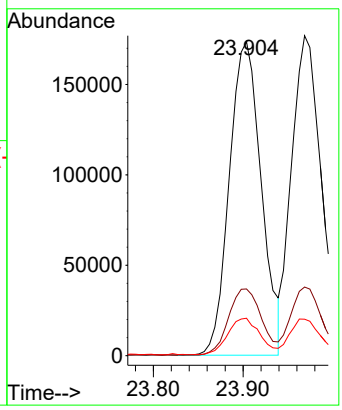


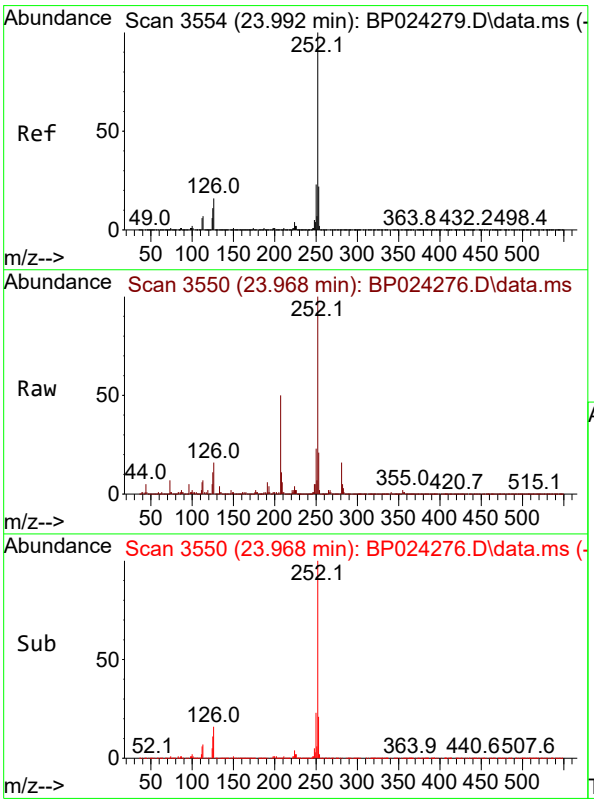
#88
Benzo(b)fluoranthene
Concen: 4.723 ng
RT: 23.904 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 429214

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.7	26.5
125	11.9	9.4	14.0

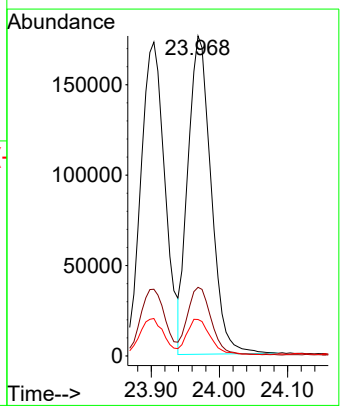


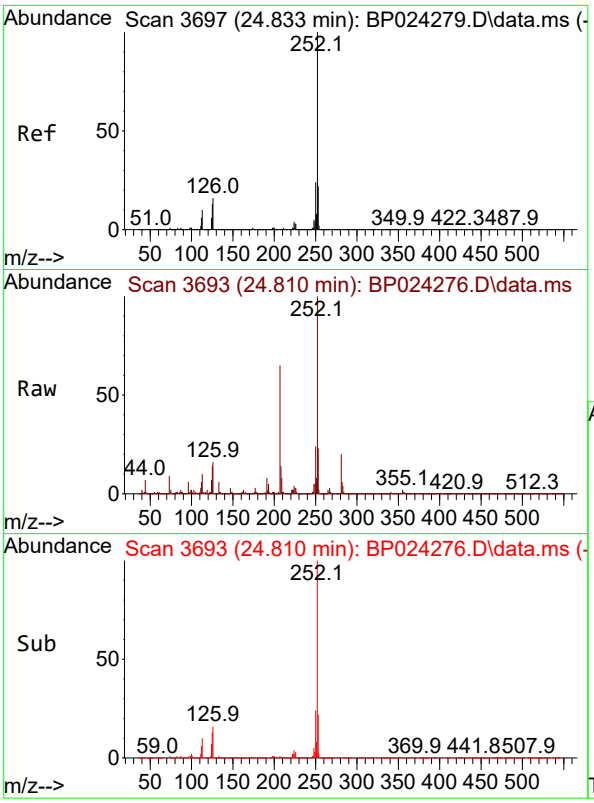


#89
Benzo(k)fluoranthene
Concen: 4.686 ng
RT: 23.968 min Scan# 3550
Delta R.T. -0.024 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:252 Resp: 413302

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.7	26.5
125	11.4	9.1	13.7



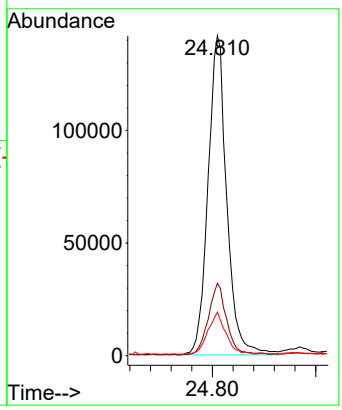


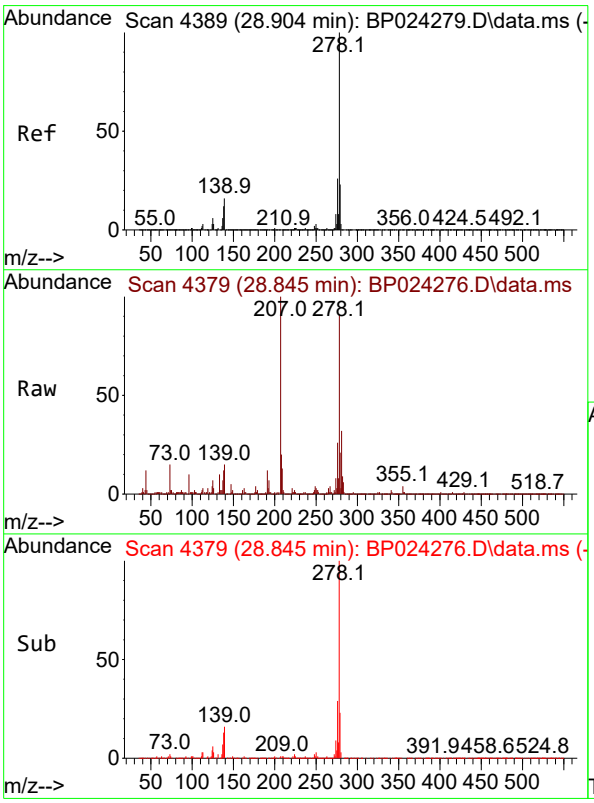
#90
Benzo(a)pyrene
Concen: 4.559 ng
RT: 24.810 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 356658

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.6	26.4
125	13.6	10.1	15.1

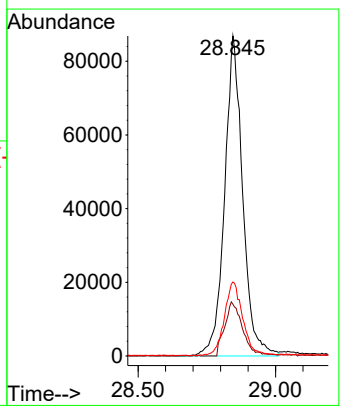


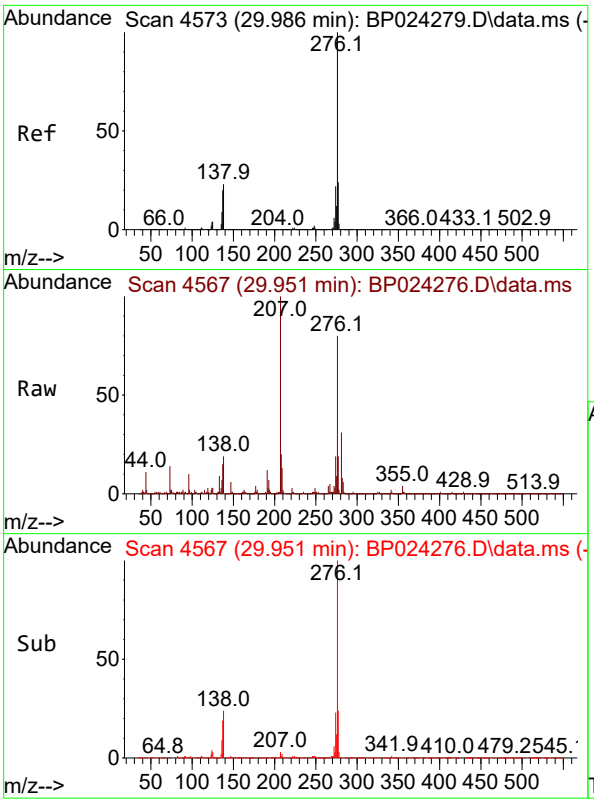


#91
Dibenzo(a,h)anthracene
Concen: 4.571 ng
RT: 28.845 min Scan# 4379
Delta R.T. -0.059 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:278 Resp: 397247

Ion	Ratio	Lower	Upper
278	100		
139	16.2	12.6	19.0
279	23.1	18.5	27.7



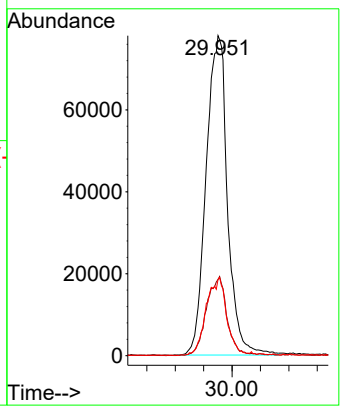


#92
Benzo(g,h,i)perylene
Concen: 4.607 ng
RT: 29.951 min Scan# 4
Delta R.T. -0.035 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 407522

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.9	28.3
138	23.8	18.7	28.1



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024277.D
Acq On : 14 Apr 2025 12:27
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: Apr 14 17:26:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.734	152	237860	20.000	ng		0.00
21) Naphthalene-d8	10.510	136	1022895	20.000	ng		0.00
39) Acenaphthene-d10	14.363	164	658652	20.000	ng		0.00
64) Phenanthrene-d10	17.163	188	1310701	20.000	ng		0.00
76) Chrysene-d12	21.616	240	1408913	20.000	ng		0.00
86) Perylene-d12	24.980	264	1508235	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.352	112	272237	18.889	ng		0.00
7) Phenol-d6	6.910	99	369199	18.725	ng		0.00
23) Nitrobenzene-d5	8.881	82	345094	19.207	ng		0.00
42) 2,4,6-Tribromophenol	15.886	330	168790	18.715	ng		0.00
45) 2-Fluorobiphenyl	12.975	172	878366	20.247	ng		0.00
79) Terphenyl-d14	19.892	244	1405643	19.888	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	61433	9.984	ng		98
3) Pyridine	3.693	79	152243	9.506	ng		99
4) n-Nitrosodimethylamine	3.599	42	52702	9.868	ng	#	98
6) Aniline	7.069	93	176840	9.935	ng		99
8) 2-Chlorophenol	7.305	128	154194	9.573	ng		100
9) Benzaldehyde	6.887	77	111093m	10.879	ng		
10) Phenol	6.940	94	186113	9.401	ng		97
11) bis(2-Chloroethyl)ether	7.157	93	156684	9.794	ng		98
12) 1,3-Dichlorobenzene	7.622	146	176712	10.126	ng		97
13) 1,4-Dichlorobenzene	7.769	146	177067	10.006	ng		99
14) 1,2-Dichlorobenzene	8.081	146	171376	10.016	ng		99
15) Benzyl Alcohol	7.969	79	111176	8.797	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.252	45	177896	10.221	ng		98
17) 2-Methylphenol	8.175	107	119161	9.340	ng		98
18) Hexachloroethane	8.804	117	63912	10.007	ng		98
19) n-Nitroso-di-n-propyla...	8.528	70	119861	9.787	ng		100
20) 3+4-Methylphenols	8.499	107	162332	9.187	ng		99
22) Acetophenone	8.546	105	248823	9.787	ng		99
24) Nitrobenzene	8.922	77	170770	9.590	ng		98
25) Isophorone	9.446	82	307272	9.473	ng		99
26) 2-Nitrophenol	9.628	139	73320	8.575	ng		96
27) 2,4-Dimethylphenol	9.693	122	99186	9.152	ng		97
28) bis(2-Chloroethoxy)met...	9.922	93	217866	9.869	ng		99
29) 2,4-Dichlorophenol	10.163	162	136816	9.263	ng		99
30) 1,2,4-Trichlorobenzene	10.369	180	155965	9.760	ng		100
31) Naphthalene	10.557	128	538892	9.953	ng		99
32) Benzoic acid	9.781	122	94803m	8.095	ng		
33) 4-Chloroaniline	10.669	127	178451	9.433	ng		99
34) Hexachlorobutadiene	10.845	225	92662	9.885	ng		99
35) Caprolactam	11.440	113	47014	8.670	ng		98
36) 4-Chloro-3-methylphenol	11.798	107	158563	9.213	ng		99
37) 2-Methylnaphthalene	12.169	142	368122	9.810	ng		98
38) 1-Methylnaphthalene	12.387	142	365139	9.933	ng		100
40) 1,2,4,5-Tetrachloroben...	12.540	216	177188	9.789	ng		100
41) Hexachlorocyclopentadiene	12.516	237	60914	9.586	ng		96
43) 2,4,6-Trichlorophenol	12.781	196	110203	9.253	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024277.D
Acq On : 14 Apr 2025 12:27
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: Apr 14 17:26:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.857	196	122104	9.251	ng		98
46) 1,1'-Biphenyl	13.187	154	490325	10.080	ng		100
47) 2-Chloronaphthalene	13.228	162	362419	9.985	ng		98
48) 2-Nitroaniline	13.434	65	88889	8.866	ng		95
49) Acenaphthylene	14.081	152	553215	9.711	ng		100
50) Dimethylphthalate	13.816	163	466314	9.704	ng		99
51) 2,6-Dinitrotoluene	13.934	165	95596	9.442	ng		96
52) Acenaphthene	14.428	154	357828	9.877	ng		99
53) 3-Nitroaniline	14.269	138	95237	9.067	ng		97
54) 2,4-Dinitrophenol	14.481	184	41132	7.588	ng		97
55) Dibenzofuran	14.769	168	594953	10.013	ng		99
56) 4-Nitrophenol	14.598	139	75995	8.416	ng		95
57) 2,4-Dinitrotoluene	14.734	165	121276	8.862	ng	#	95
58) Fluorene	15.428	166	459952	10.026	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.004	232	115645	9.470	ng		100
60) Diethylphthalate	15.198	149	488847	9.884	ng		100
61) 4-Chlorophenyl-phenyle...	15.428	204	222437	9.985	ng		97
62) 4-Nitroaniline	15.451	138	98638	8.857	ng		93
63) Azobenzene	15.722	77	455459	9.999	ng		96
65) 4,6-Dinitro-2-methylph...	15.516	198	62421	8.151	ng		96
66) n-Nitrosodiphenylamine	15.639	169	383558	9.759	ng		99
67) 4-Bromophenyl-phenylether	16.339	248	138724	9.703	ng		97
68) Hexachlorobenzene	16.457	284	161944	9.528	ng		98
69) Atrazine	16.628	200	109503	10.990	ng		98
70) Pentachlorophenol	16.810	266	101318	8.682	ng		96
71) Phenanthrene	17.210	178	711407	9.900	ng		99
72) Anthracene	17.304	178	666269	9.635	ng		100
73) Carbazole	17.586	167	654205	9.721	ng		99
74) Di-n-butylphthalate	18.180	149	806280	9.616	ng		99
75) Fluoranthene	19.292	202	835153	9.791	ng		98
77) Benzidine	19.498	184	99659	5.730	ng		99
78) Pyrene	19.669	202	870767	9.659	ng		99
80) Butylbenzylphthalate	20.627	149	343670	9.043	ng		99
81) Benzo(a)anthracene	21.598	228	854983	9.734	ng		98
82) 3,3'-Dichlorobenzidine	21.521	252	269772	8.857	ng		98
83) Chrysene	21.668	228	832263	9.887	ng		100
84) Bis(2-ethylhexyl)phtha...	21.539	149	517894	9.253	ng		99
85) Di-n-octyl phthalate	22.827	149	769654	8.584	ng		99
87) Indeno(1,2,3-cd)pyrene	28.792	276	983323	9.480	ng		99
88) Benzo(b)fluoranthene	23.915	252	885212	9.810	ng		99
89) Benzo(k)fluoranthene	23.986	252	852606	9.735	ng		99
90) Benzo(a)pyrene	24.815	252	732209	9.426	ng		99
91) Dibenzo(a,h)anthracene	28.862	278	821160	9.517	ng		99
92) Benzo(g,h,i)perylene	29.962	276	836993	9.530	ng		99

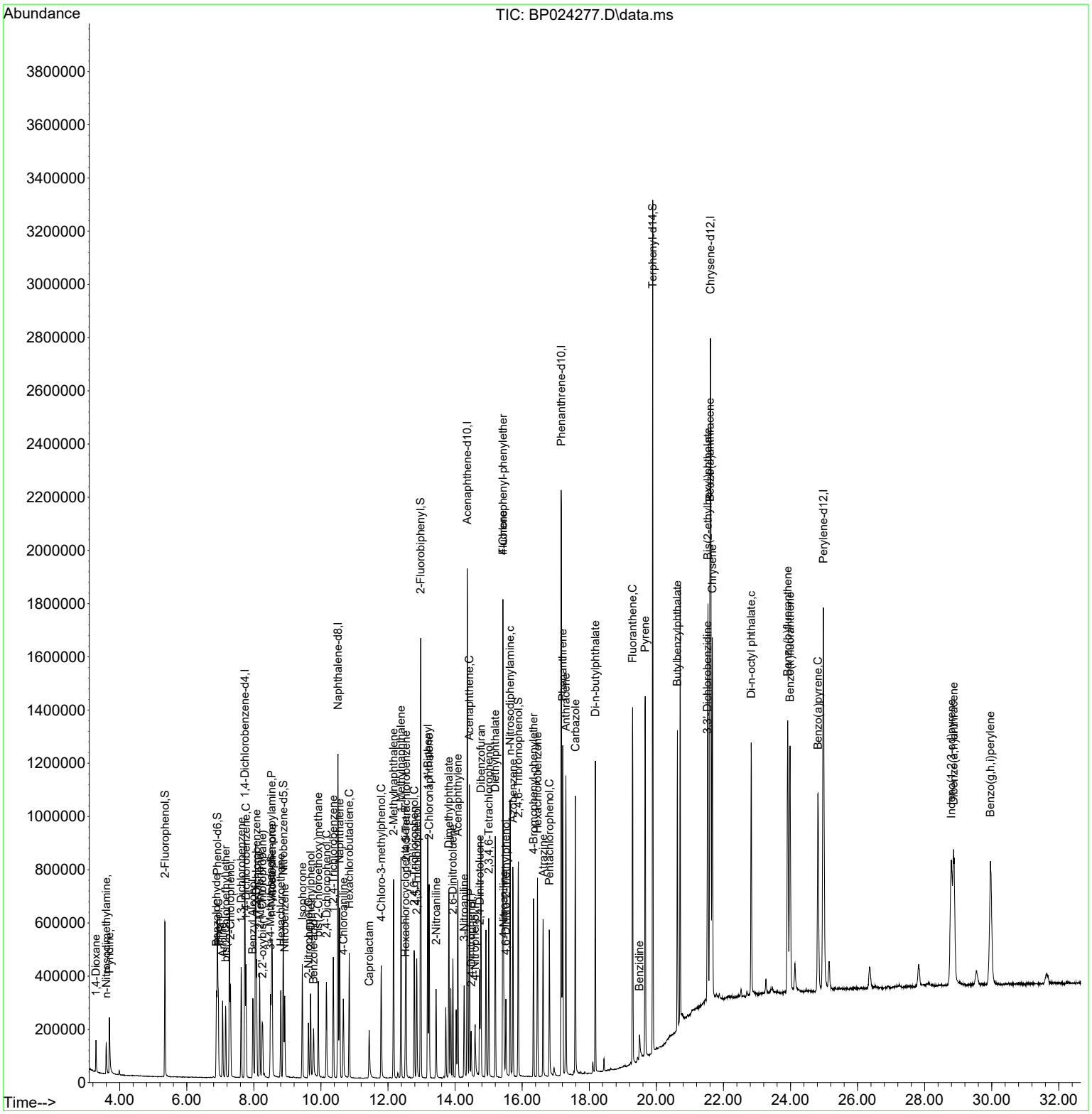
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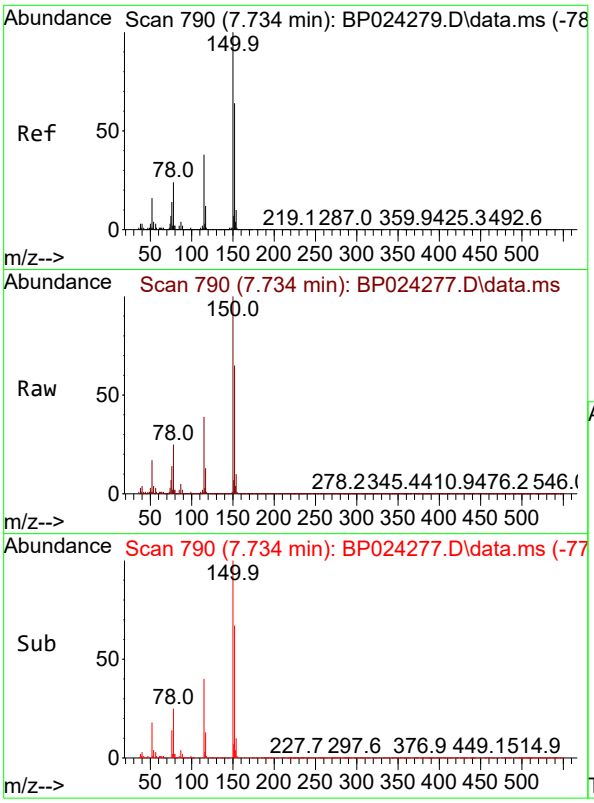
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024277.D
Acq On : 14 Apr 2025 12:27
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: Apr 14 17:26:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



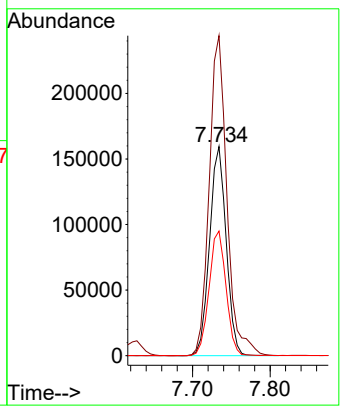


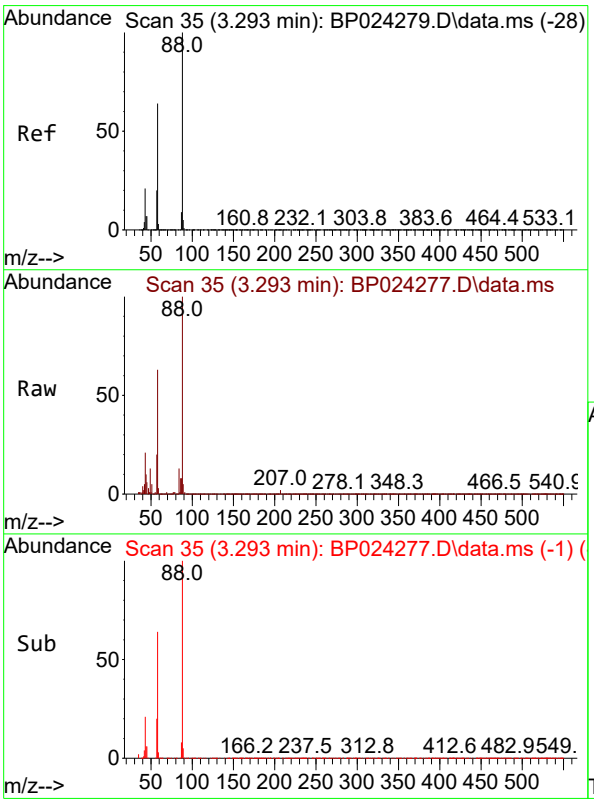
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 237860

Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.9	187.3
115	59.6	47.7	71.5

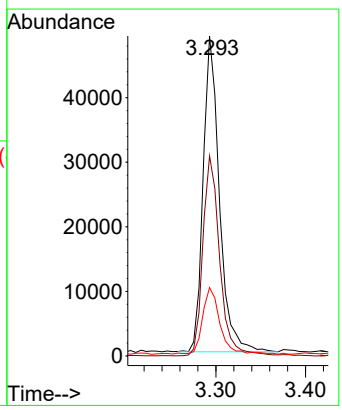


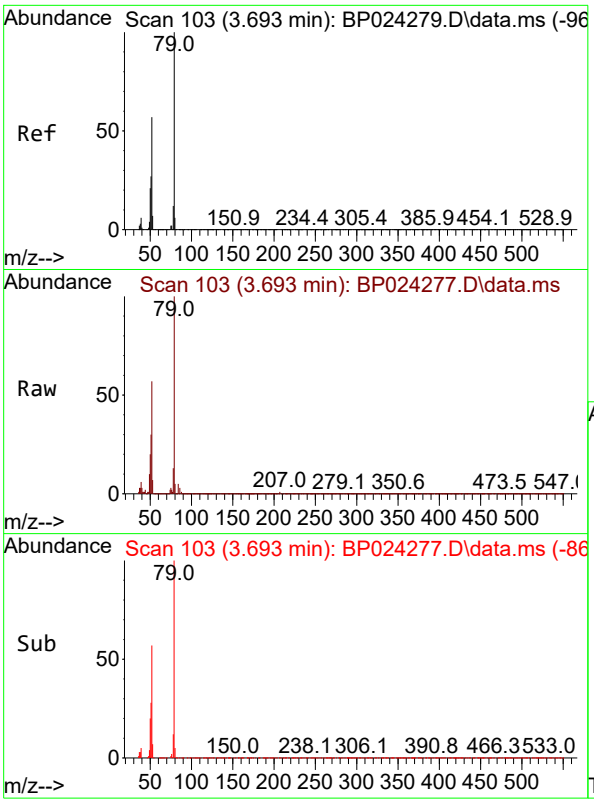


#2
1,4-Dioxane
Concen: 9.984 ng
RT: 3.293 min Scan# 35
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 88 Resp: 61433

Ion	Ratio	Lower	Upper
88	100		
58	65.6	51.4	77.2
43	22.9	17.1	25.7



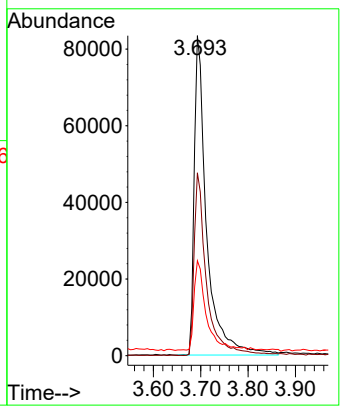


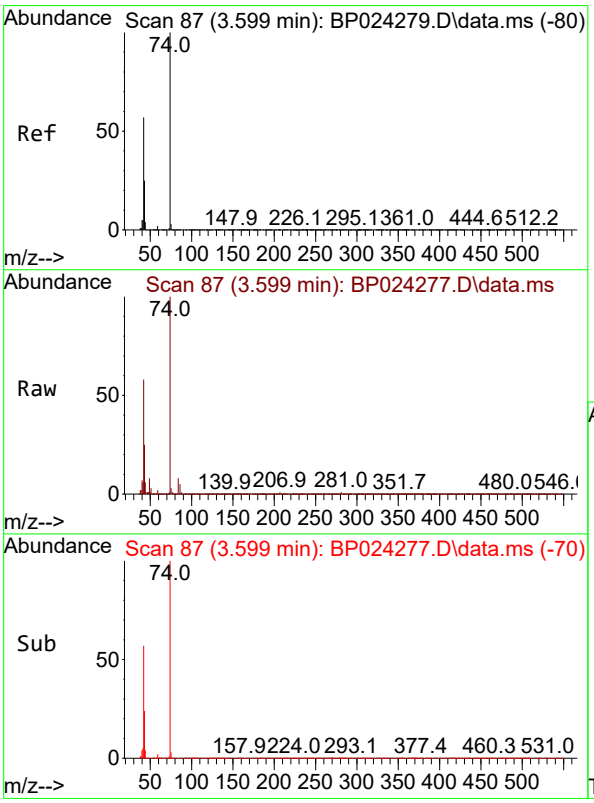
#3
Pyridine
Concen: 9.506 ng
RT: 3.693 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 152243

Ion	Ratio	Lower	Upper
79	100		
52	57.2	45.4	68.2
51	29.7	22.6	33.8

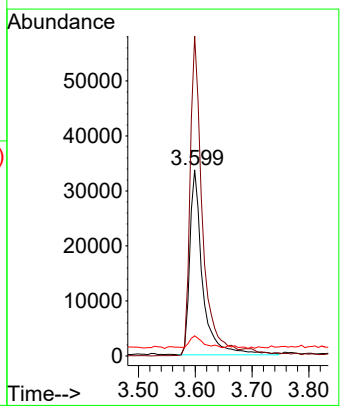


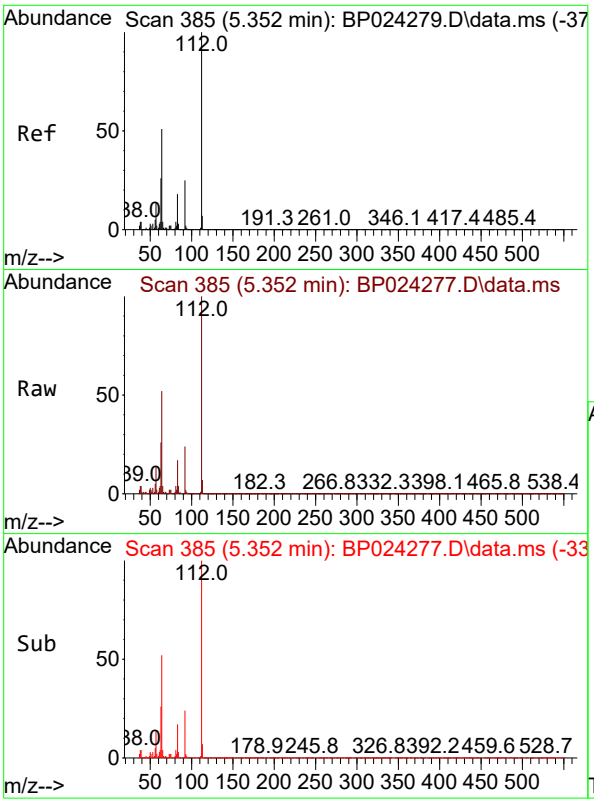


#4
n-Nitrosodimethylamine
Concen: 9.868 ng
RT: 3.599 min Scan# 87
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 42 Resp: 52702

Ion	Ratio	Lower	Upper
42	100		
74	172.0	139.5	209.3
44	10.8	5.8	8.8#



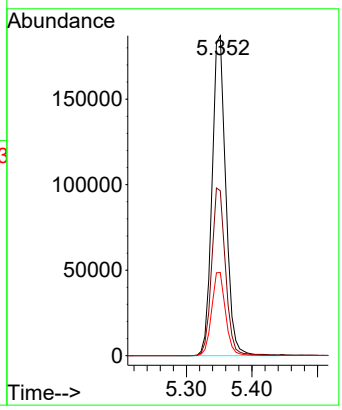


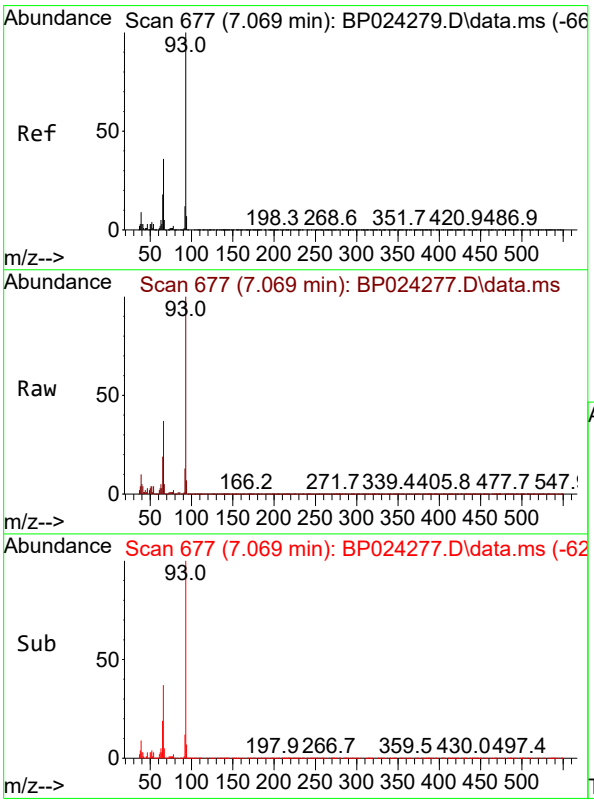
#5
2-Fluorophenol
Concen: 18.889 ng
RT: 5.352 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 272237

Ion	Ratio	Lower	Upper
112	100		
64	51.6	41.1	61.7
63	26.0	20.6	30.8

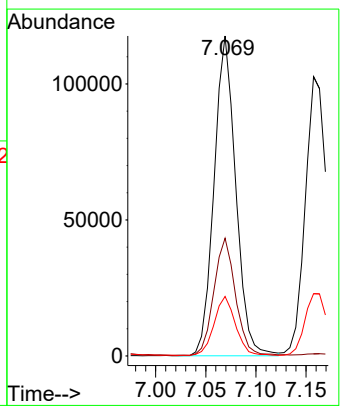


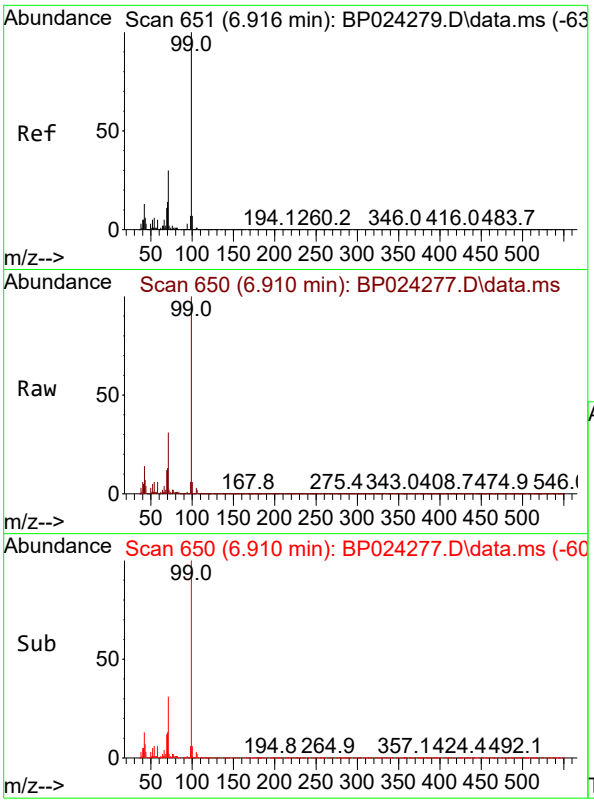


#6
Aniline
Concen: 9.935 ng
RT: 7.069 min Scan# 677
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 93 Resp: 176840

Ion	Ratio	Lower	Upper
93	100		
66	36.8	29.1	43.7
65	18.6	14.7	22.1



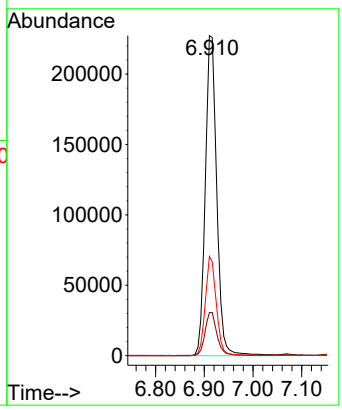


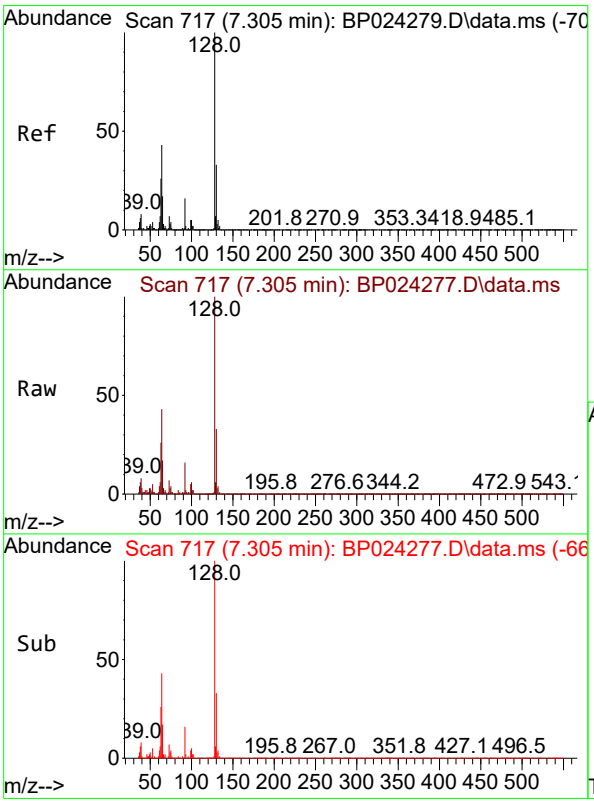
#7
Phenol-d6
Concen: 18.725 ng
RT: 6.910 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 369199

Ion	Ratio	Lower	Upper
99	100		
42	13.5	10.6	16.0
71	31.0	23.7	35.5

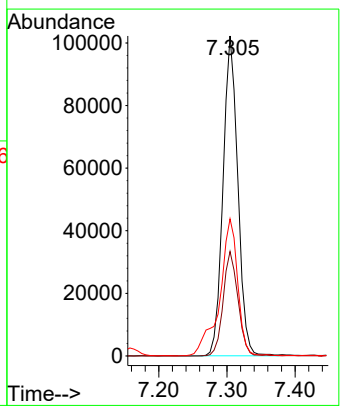


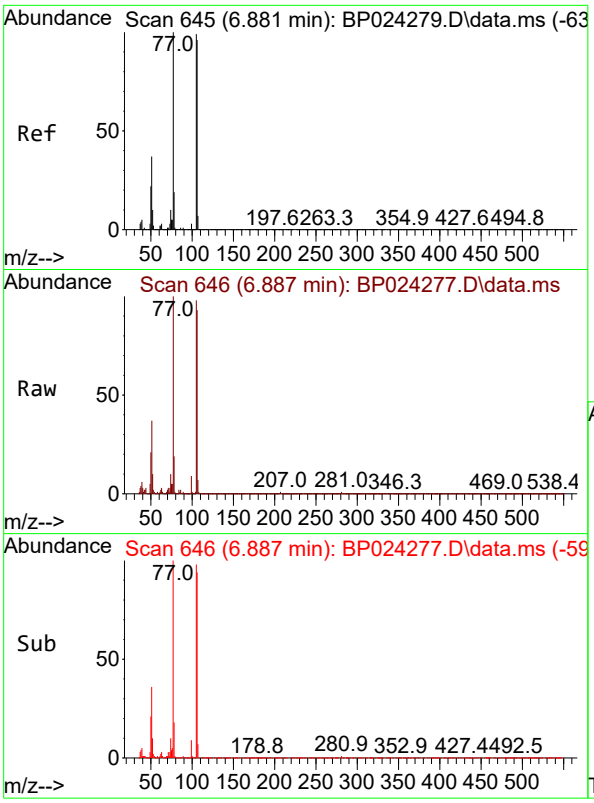


#8
2-Chlorophenol
Concen: 9.573 ng
RT: 7.305 min Scan# 717
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:128 Resp: 154194

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.9	52.9
64	42.8	22.7	62.7



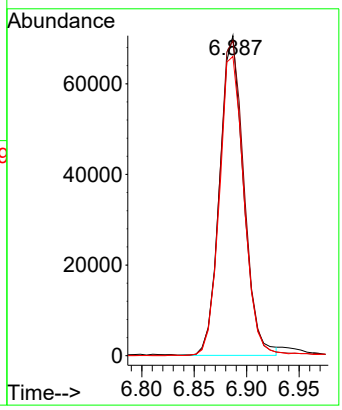


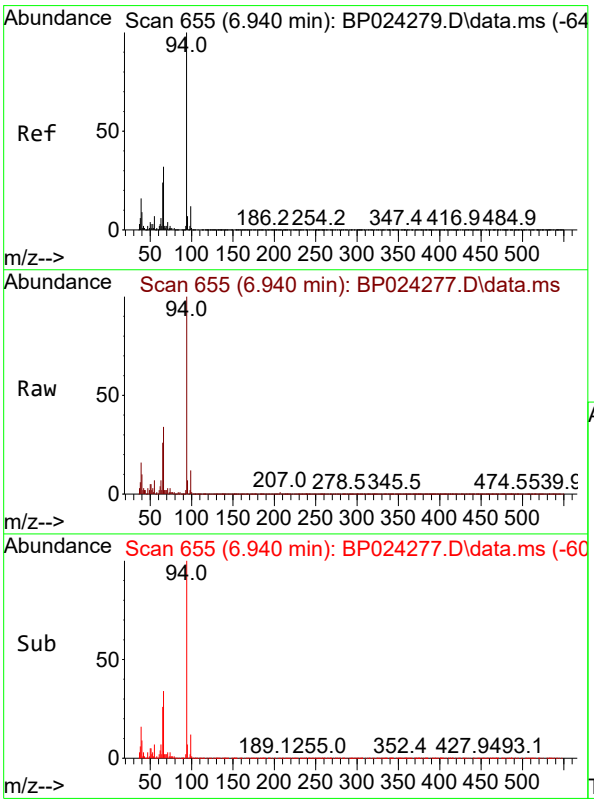
#9
Benzaldehyde
Concen: 10.879 ng m
RT: 6.887 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 111093

Ion	Ratio	Lower	Upper
77	100		
105	98.4	79.2	119.2
106	93.5	76.2	116.2

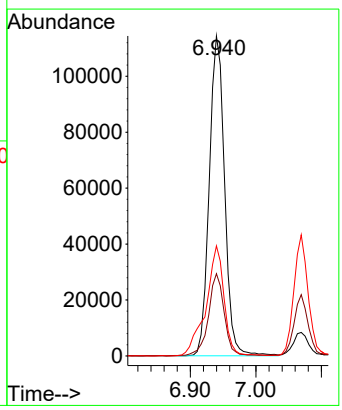


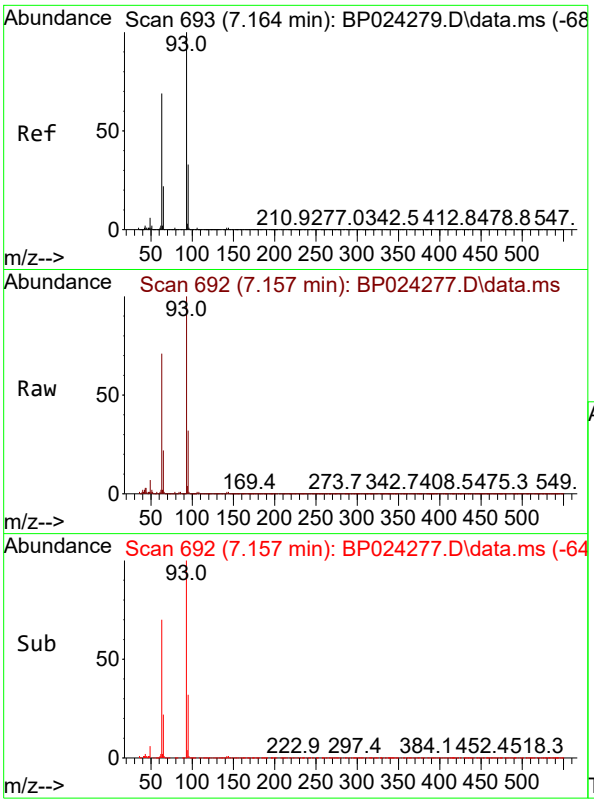


#10
Phenol
Concen: 9.401 ng
RT: 6.940 min Scan# 655
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 94 Resp: 186113

Ion	Ratio	Lower	Upper
94	100		
65	25.7	4.5	44.5
66	34.4	12.4	52.4



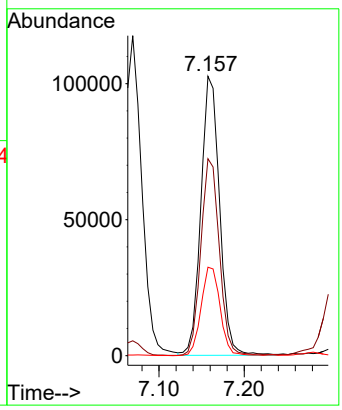


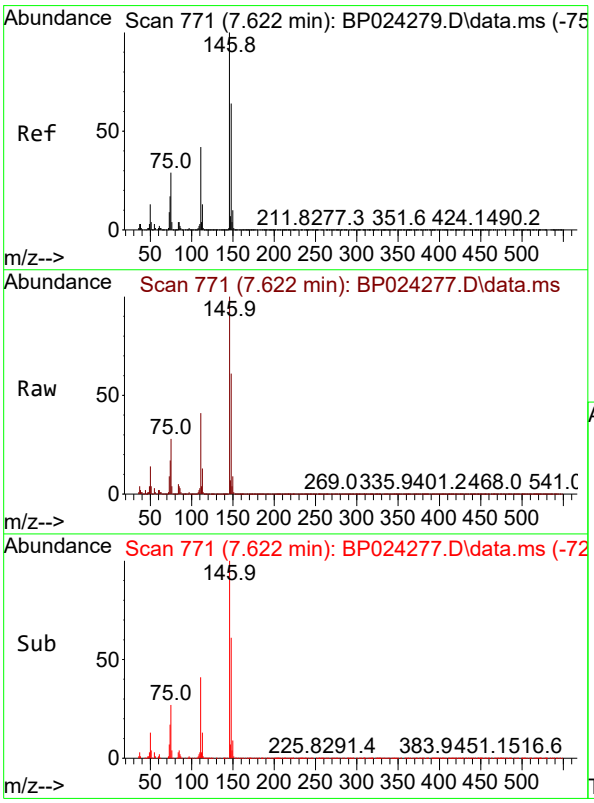
#11
bis(2-Chloroethyl)ether
Concen: 9.794 ng
RT: 7.157 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 156684

Ion	Ratio	Lower	Upper
93	100		
63	70.5	48.6	88.6
95	31.6	12.3	52.3

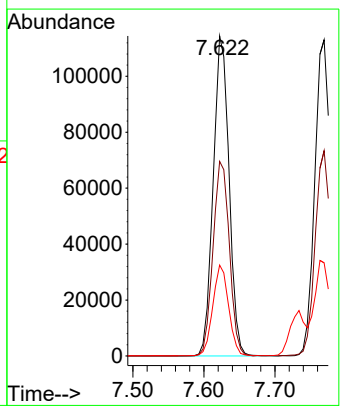


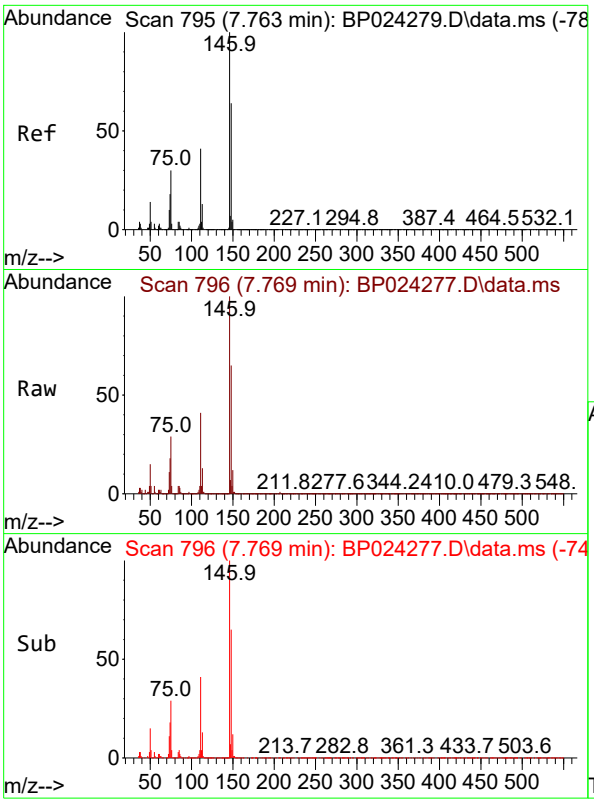


#12
1,3-Dichlorobenzene
Concen: 10.126 ng
RT: 7.622 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:146 Resp: 176712

Ion	Ratio	Lower	Upper
146	100		
148	60.8	51.4	77.0
75	28.4	22.9	34.3



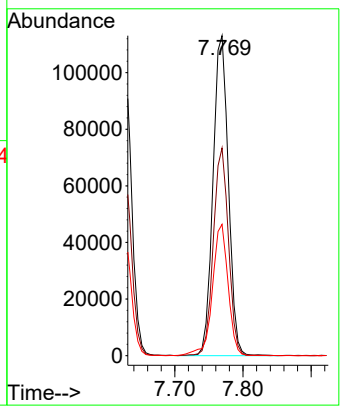


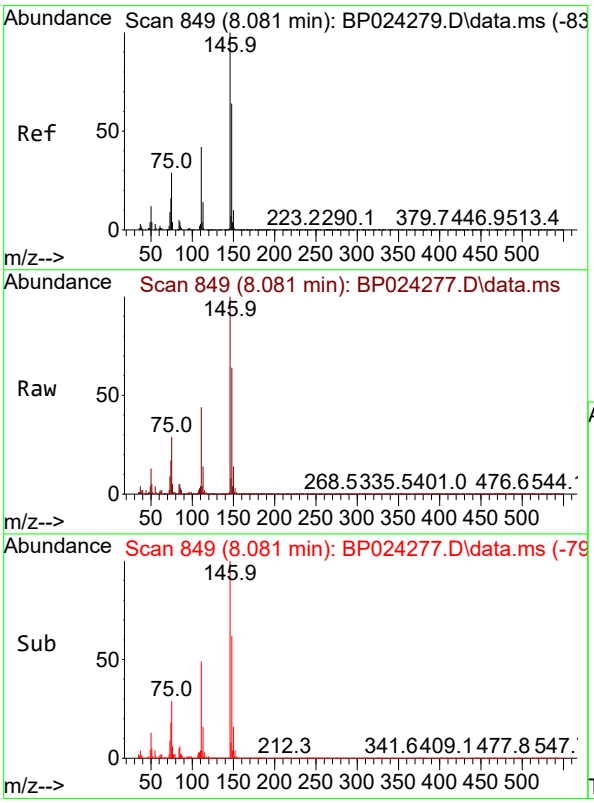
#13
1,4-Dichlorobenzene
Concen: 10.006 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 177067

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.1	76.7
111	41.1	32.6	48.8

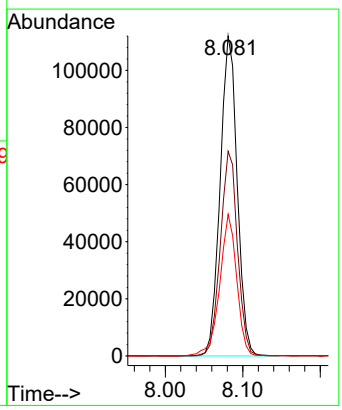


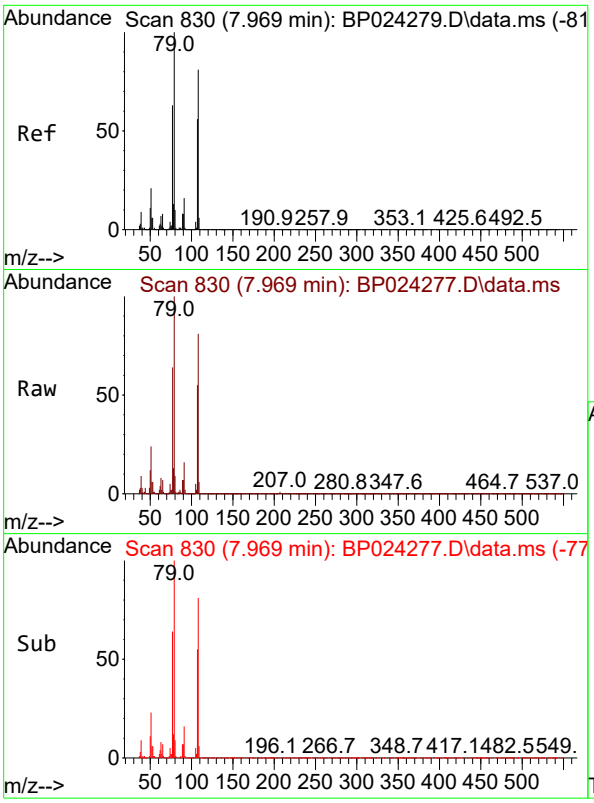


#14
1,2-Dichlorobenzene
Concen: 10.016 ng
RT: 8.081 min Scan# 849
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:146 Resp: 171376

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.0	76.4
111	44.3	33.8	50.8



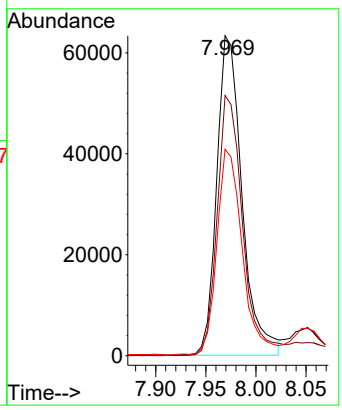


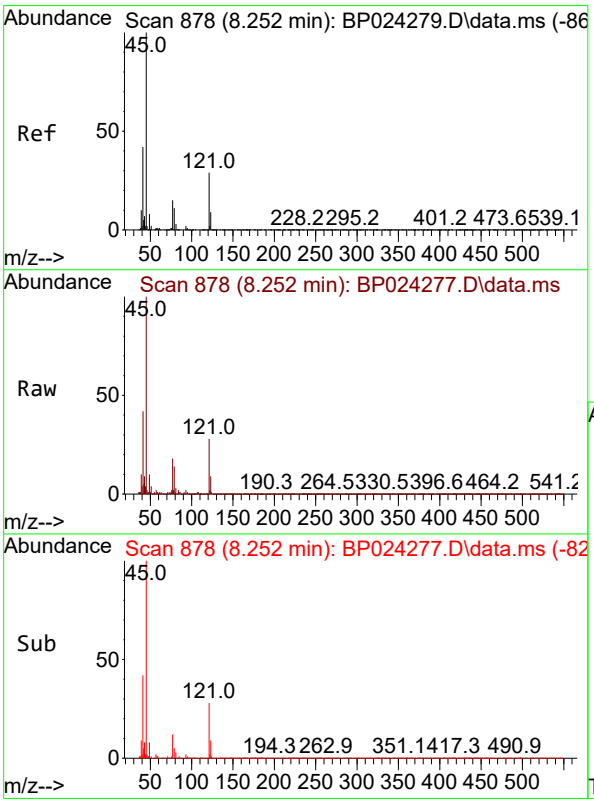
#15
Benzyl Alcohol
Concen: 8.797 ng
RT: 7.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 111176

Ion	Ratio	Lower	Upper
79	100		
108	81.3	65.1	97.7
77	64.5	50.7	76.1

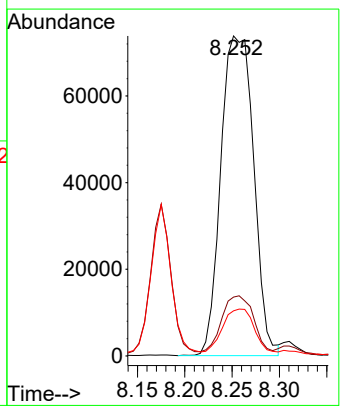


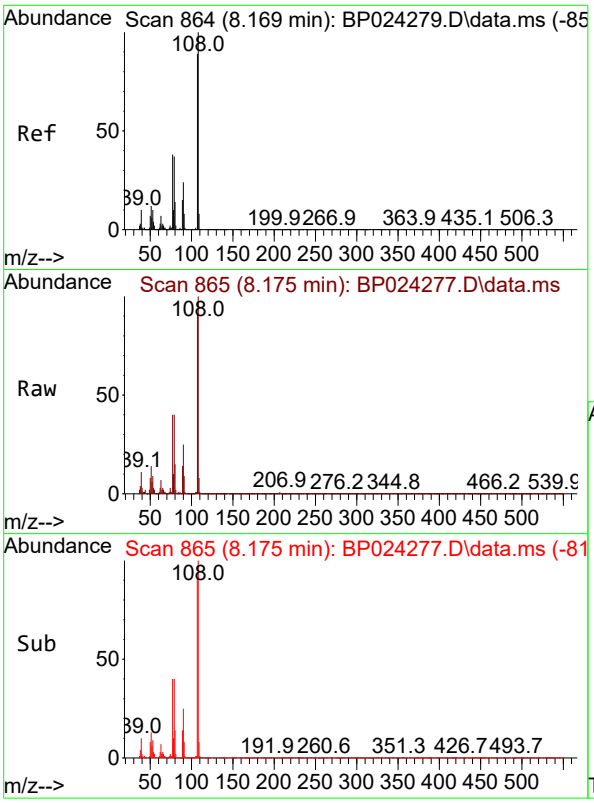


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.221 ng
RT: 8.252 min Scan# 878
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 45 Resp: 177896

Ion	Ratio	Lower	Upper
45	100		
77	18.4	0.0	37.7
79	14.1	0.0	33.5



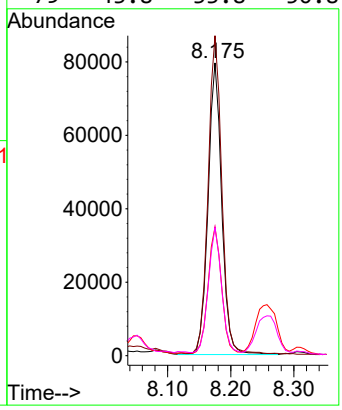


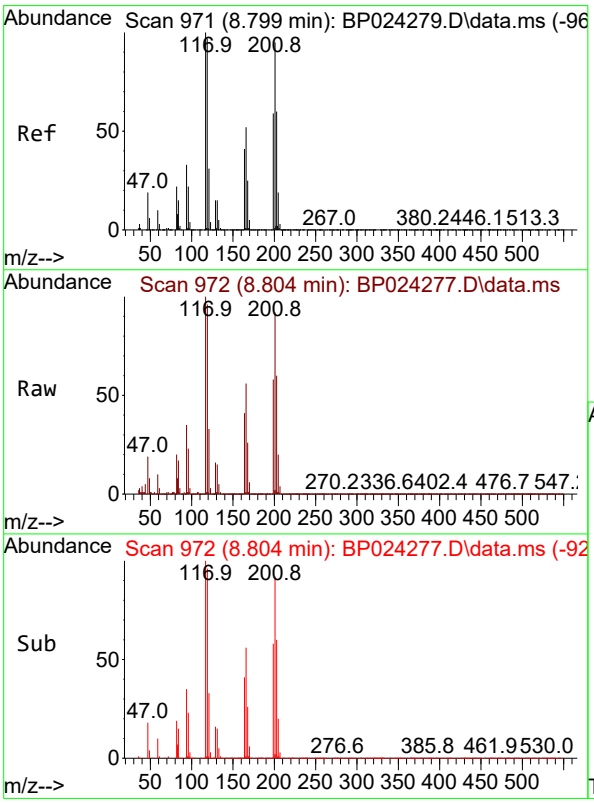
#17
2-Methylphenol
Concen: 9.340 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 119161

Ion	Ratio	Lower	Upper
107	100		
108	109.3	89.8	134.6
77	43.9	34.2	51.4
79	43.8	33.8	50.8

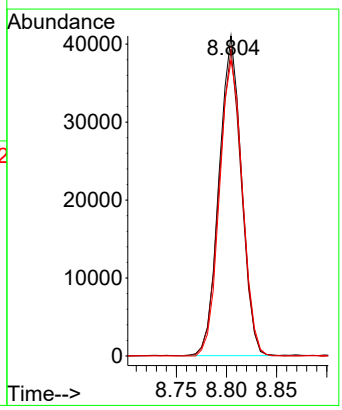


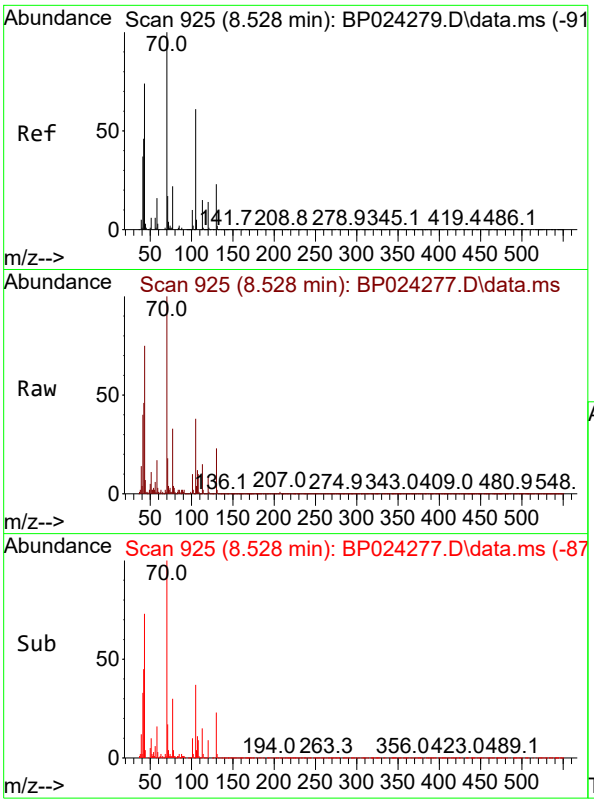


#18
Hexachloroethane
Concen: 10.007 ng
RT: 8.804 min Scan# 972
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:117 Resp: 63912

Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.8	116.6
201	92.4	75.9	113.9



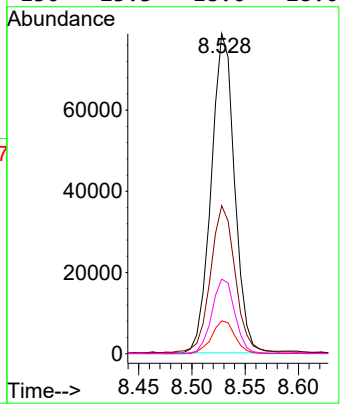


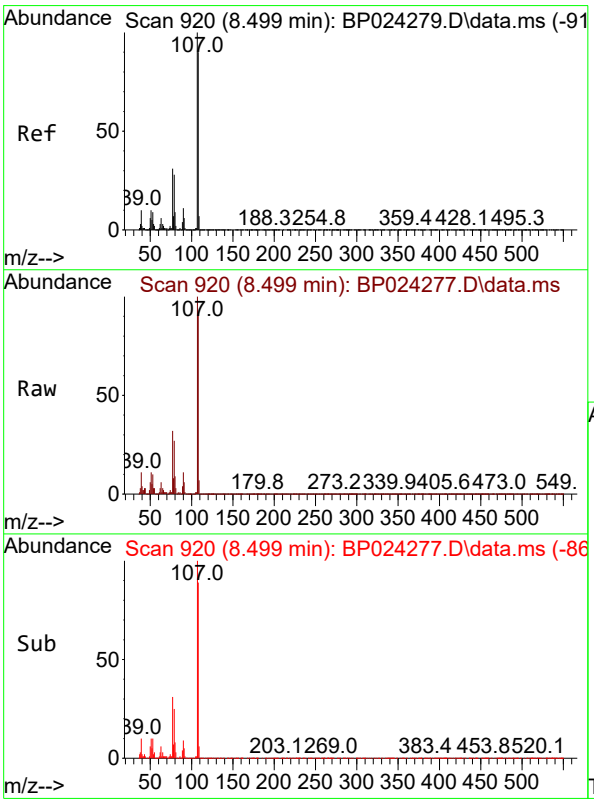
#19
n-Nitroso-di-n-propylamine
Concen: 9.787 ng
RT: 8.528 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 119861

Ion	Ratio	Lower	Upper
70	100		
42	46.2	37.3	55.9
101	10.3	8.2	12.4
130	23.3	18.6	28.0

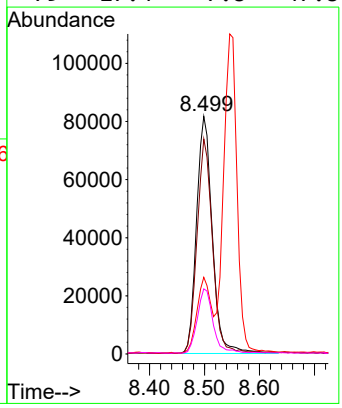


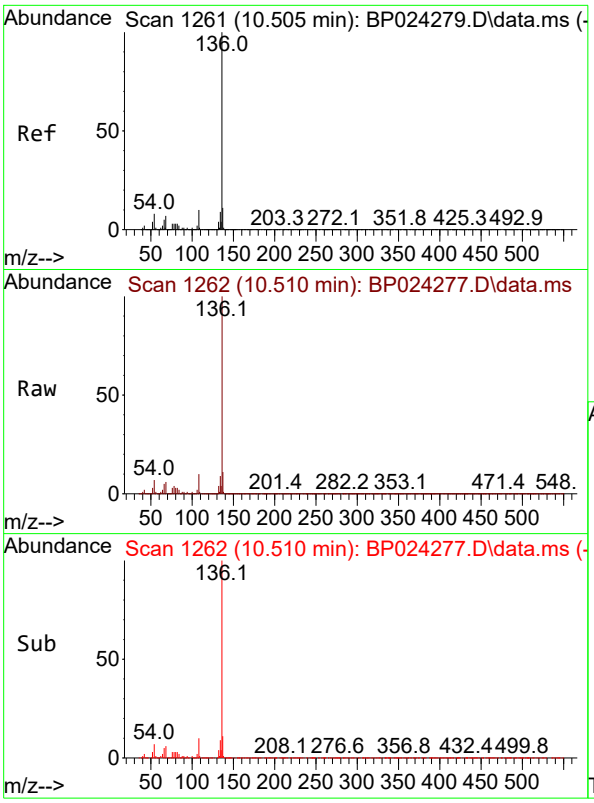


#20
3+4-Methylphenols
Concen: 9.187 ng
RT: 8.499 min Scan# 920
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:107 Resp: 162332

Ion	Ratio	Lower	Upper
107	100		
108	90.5	69.8	109.8
77	32.3	11.5	51.5
79	27.4	7.8	47.8



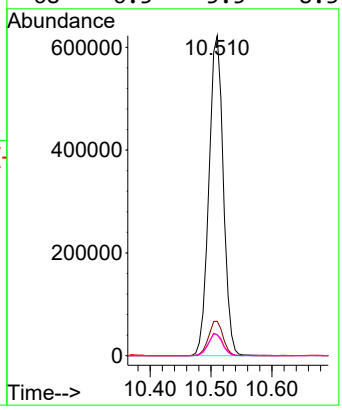


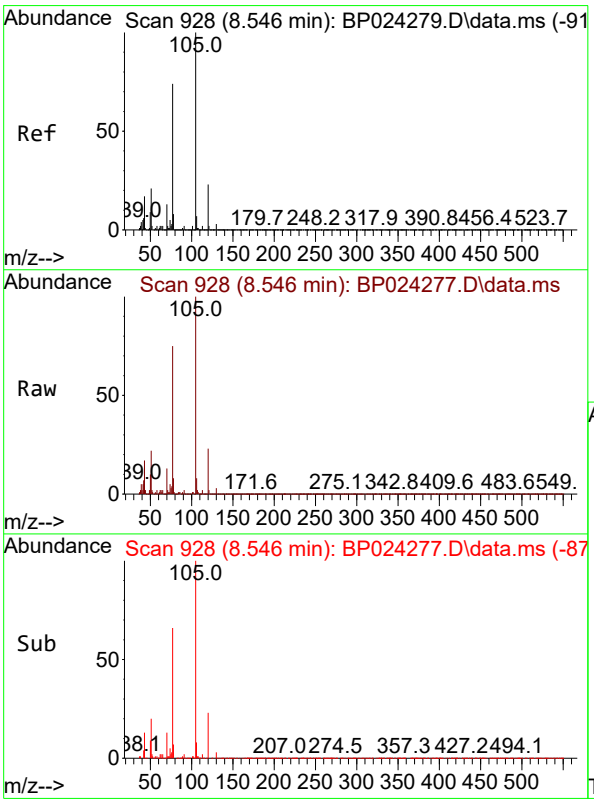
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.510 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 1022895

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	6.6	6.0	9.0
68	6.5	5.5	8.3

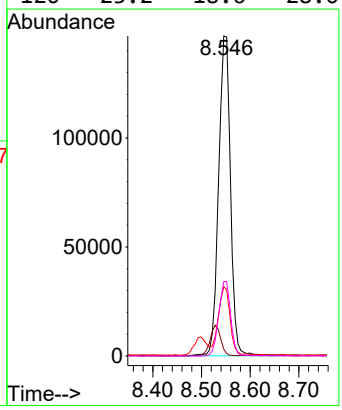


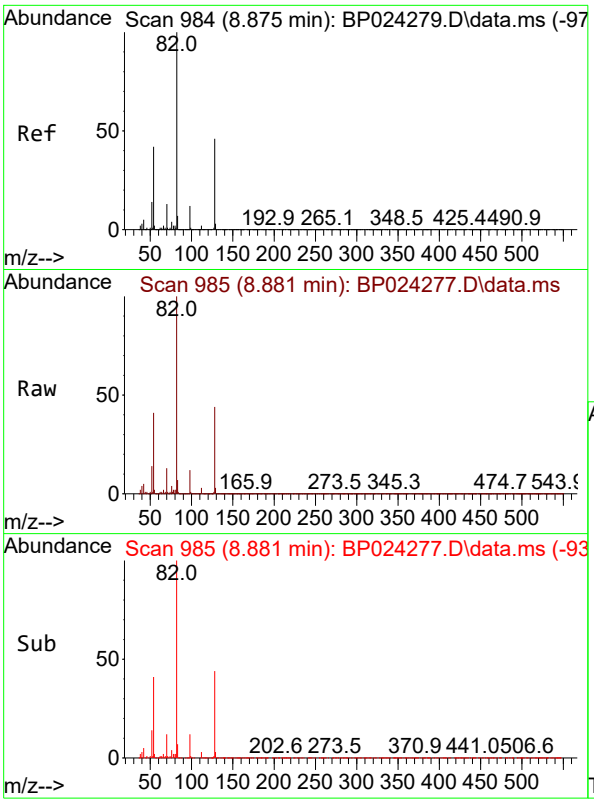


#22
Acetophenone
Concen: 9.787 ng
RT: 8.546 min Scan# 928
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:105 Resp: 248823

Ion	Ratio	Lower	Upper
105	100		
71	2.1	1.7	2.5
51	21.7	16.9	25.3
120	23.2	18.6	28.0



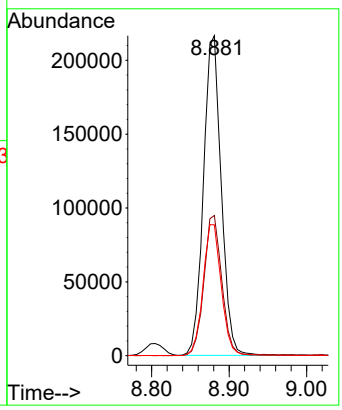


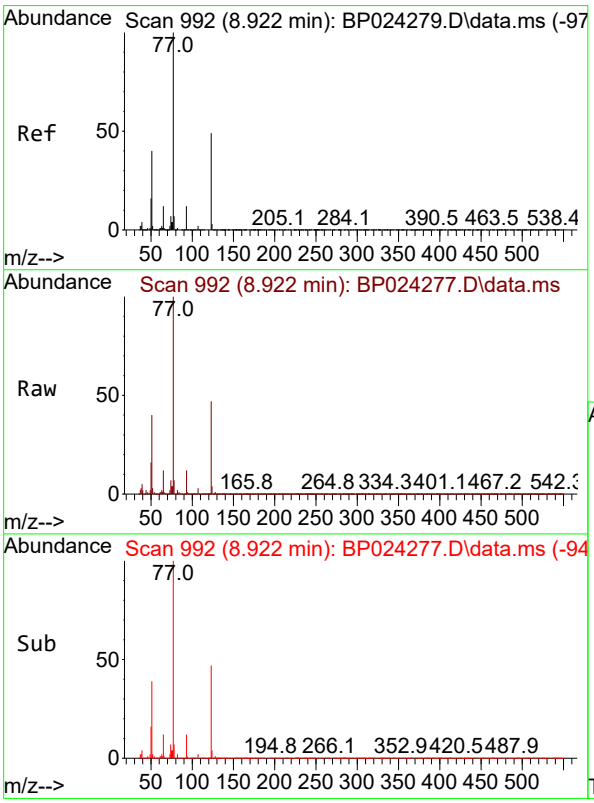
#23
Nitrobenzene-d5
Concen: 19.207 ng
RT: 8.881 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 345094

Ion	Ratio	Lower	Upper
82	100		
128	43.8	36.5	54.7
54	40.9	33.4	50.2

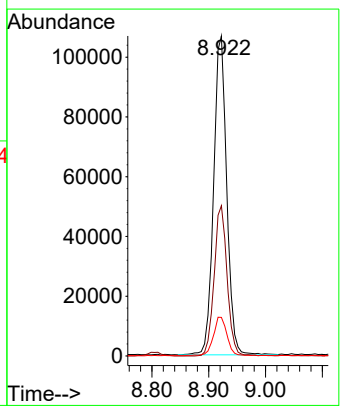


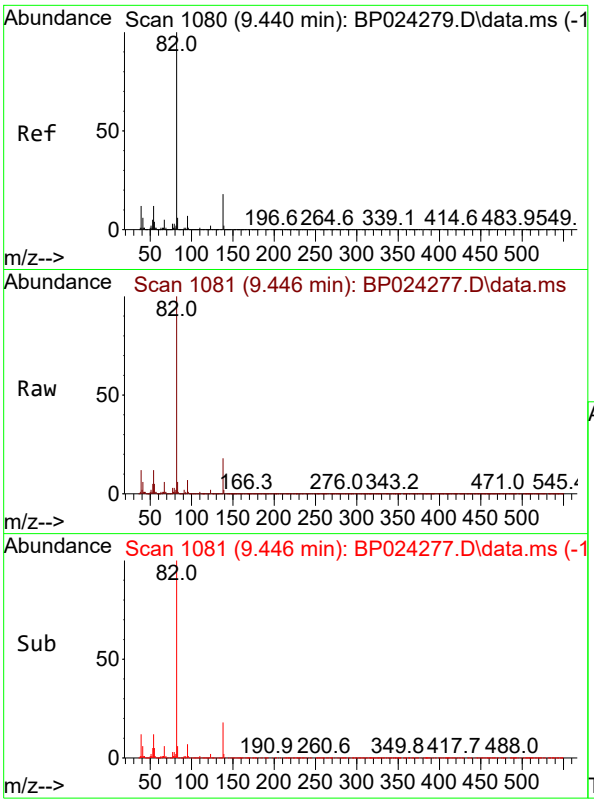


#24
Nitrobenzene
Concen: 9.590 ng
RT: 8.922 min Scan# 992
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 77 Resp: 170770

Ion	Ratio	Lower	Upper
77	100		
123	47.0	39.2	58.8
65	12.1	9.8	14.6



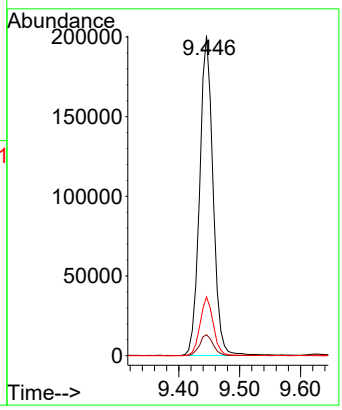


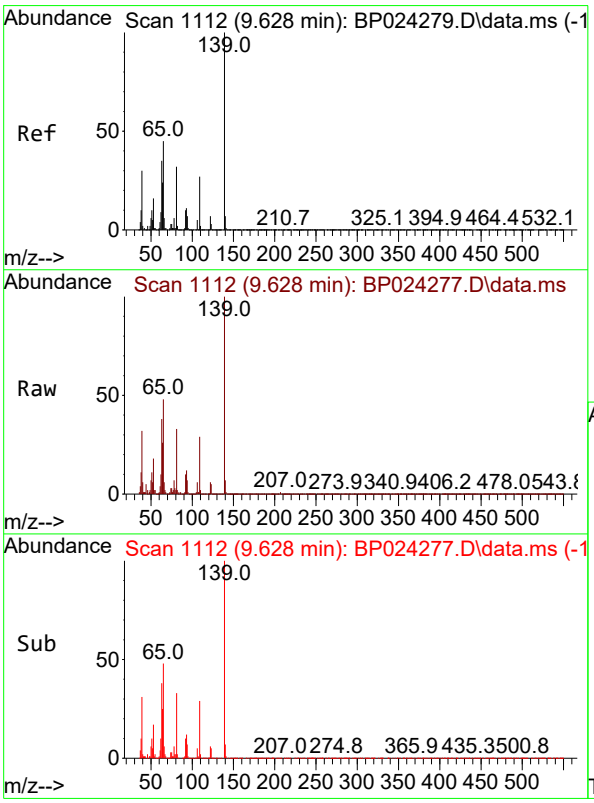
#25
Isophorone
Concen: 9.473 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 307272

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.4	8.2
138	18.3	14.4	21.6

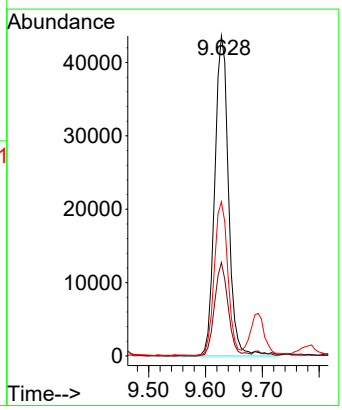


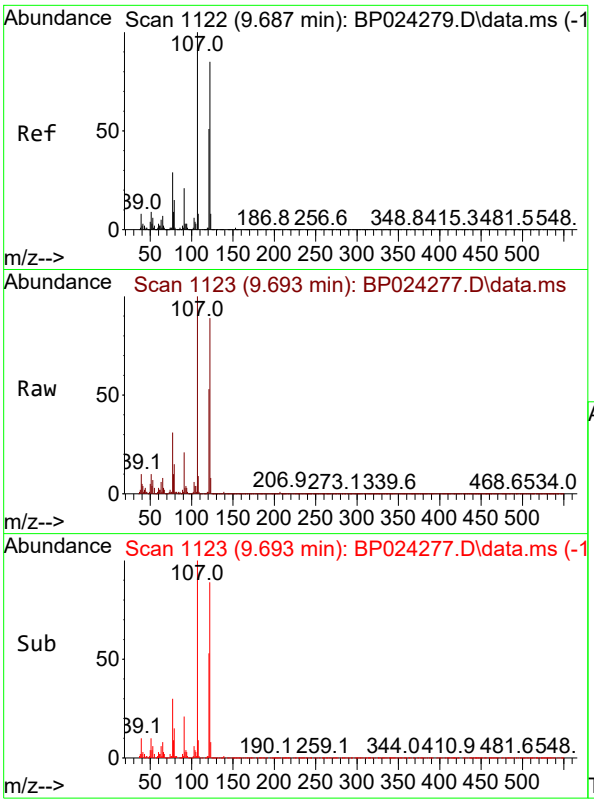


#26
2-Nitrophenol
Concen: 8.575 ng
RT: 9.628 min Scan# 1112
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:139 Resp: 73320

Ion	Ratio	Lower	Upper
139	100		
109	29.2	21.8	32.6
65	48.2	36.2	54.2



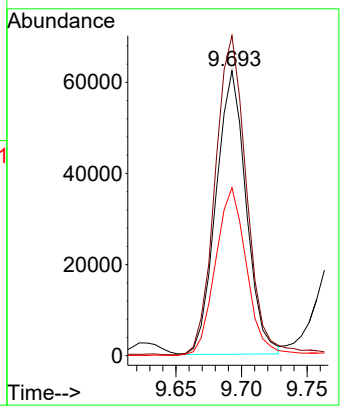


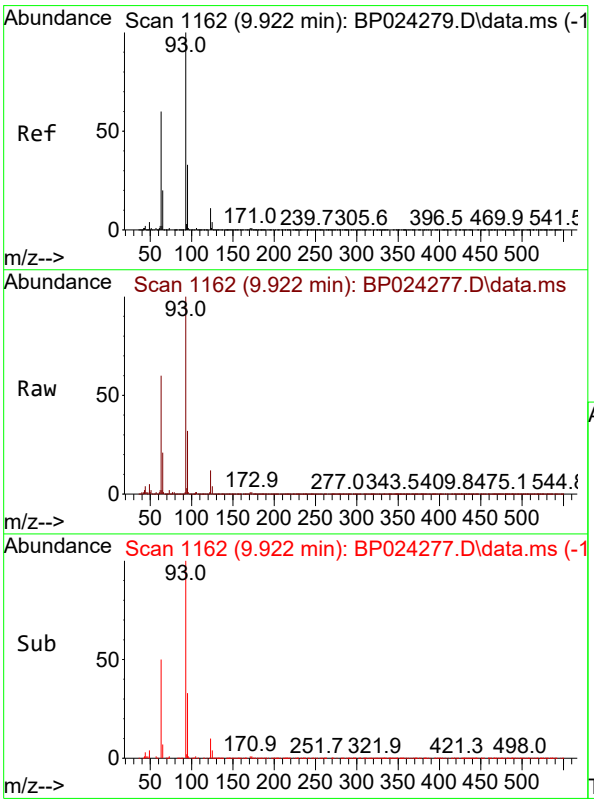
#27
2,4-Dimethylphenol
Concen: 9.152 ng
RT: 9.693 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 99186

Ion	Ratio	Lower	Upper
122	100		
107	112.4	93.7	140.5
121	59.0	48.2	72.2

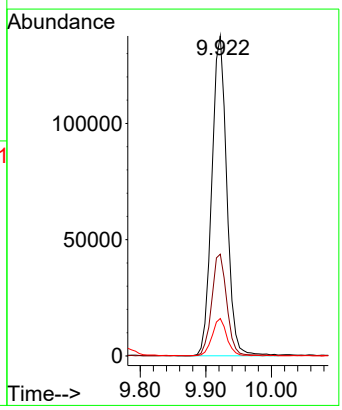


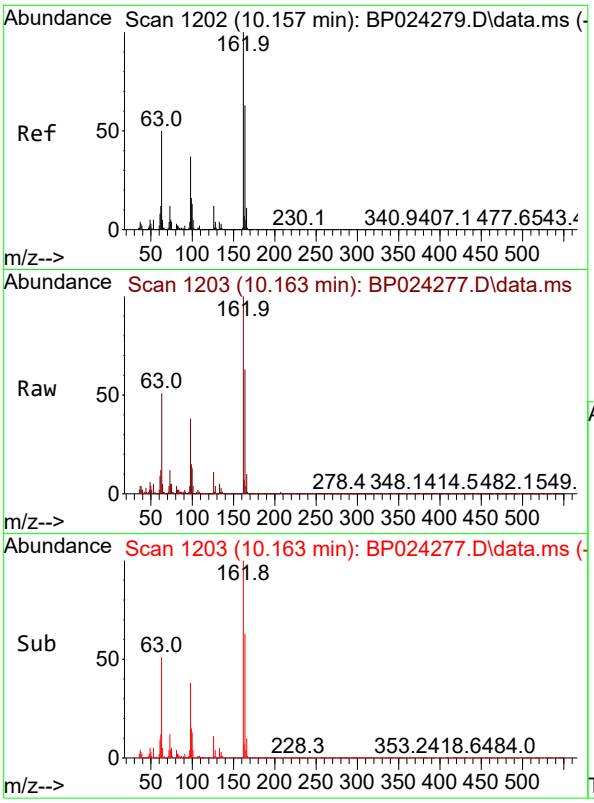


#28
bis(2-Chloroethoxy)methane
Concen: 9.869 ng
RT: 9.922 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 93 Resp: 217866

Ion	Ratio	Lower	Upper
93	100		
95	31.8	26.0	39.0
123	11.7	9.1	13.7



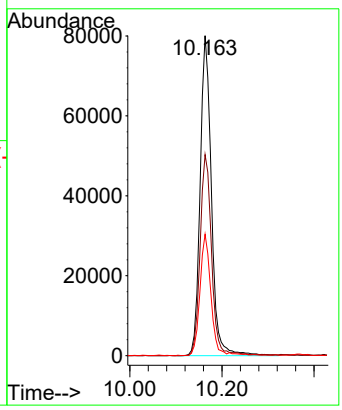


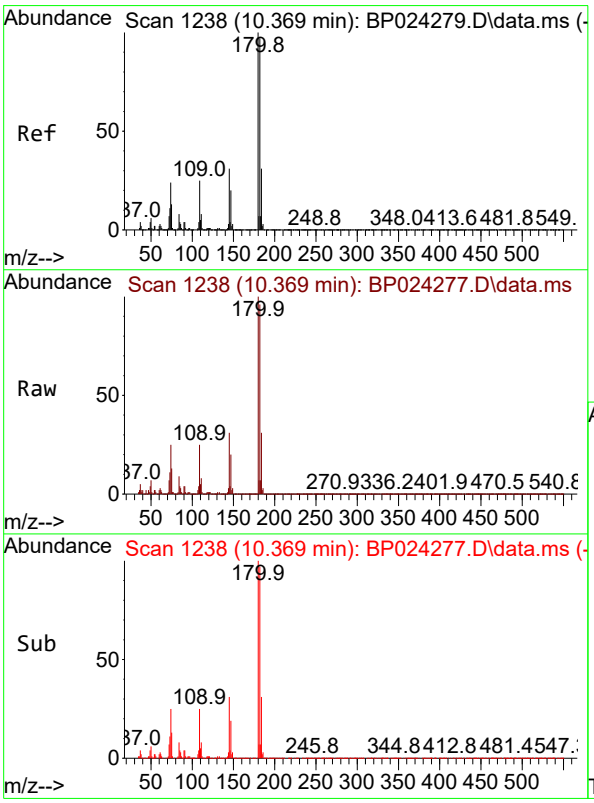
#29
2,4-Dichlorophenol
Concen: 9.263 ng
RT: 10.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 136816

Ion	Ratio	Lower	Upper
162	100		
164	62.8	43.3	83.3
98	37.9	16.6	56.6

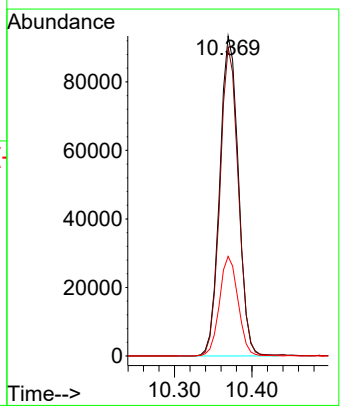


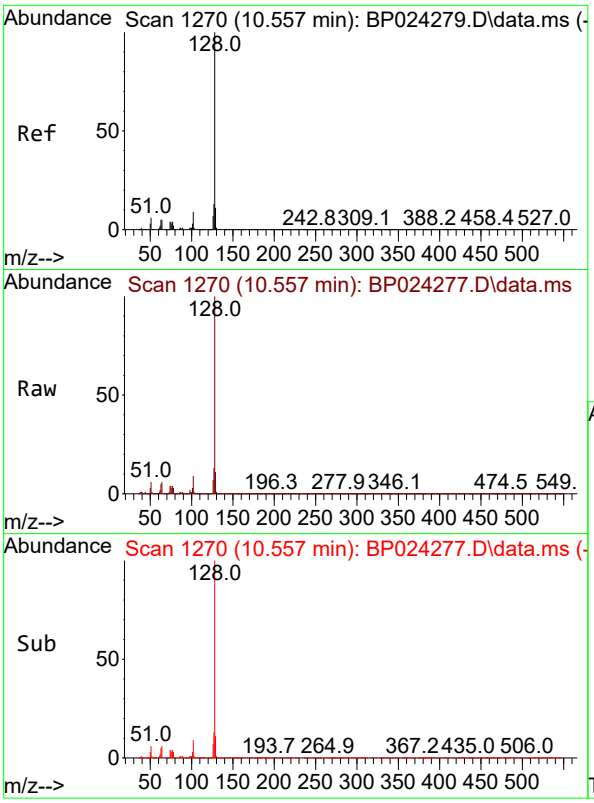


#30
1,2,4-Trichlorobenzene
Concen: 9.760 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:180 Resp: 155965

Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.3	115.9
145	31.1	25.1	37.7



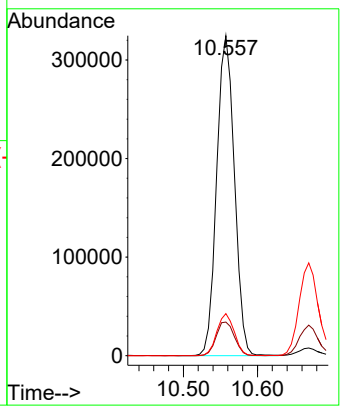


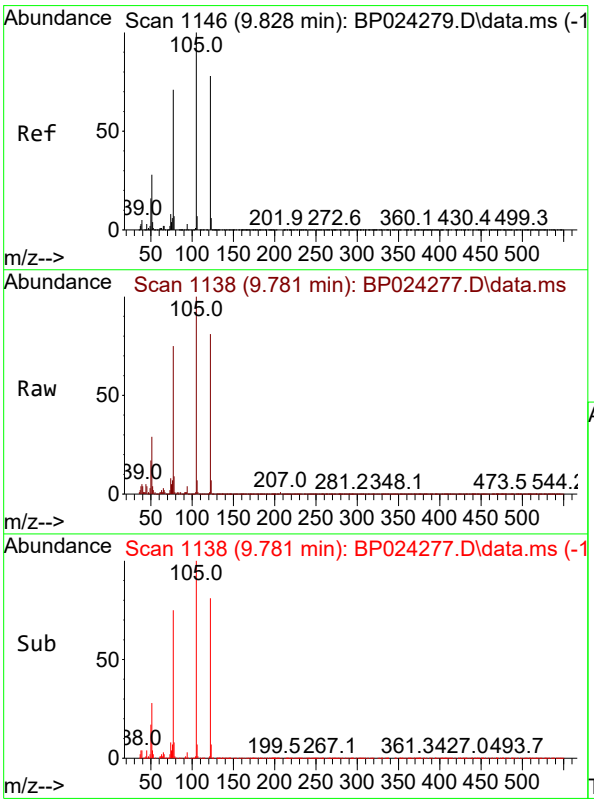
#31
Naphthalene
Concen: 9.953 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 538892

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.6	13.0
127	13.1	10.3	15.5

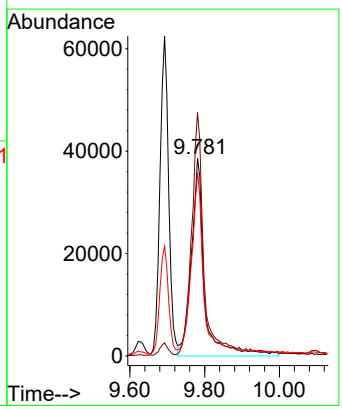


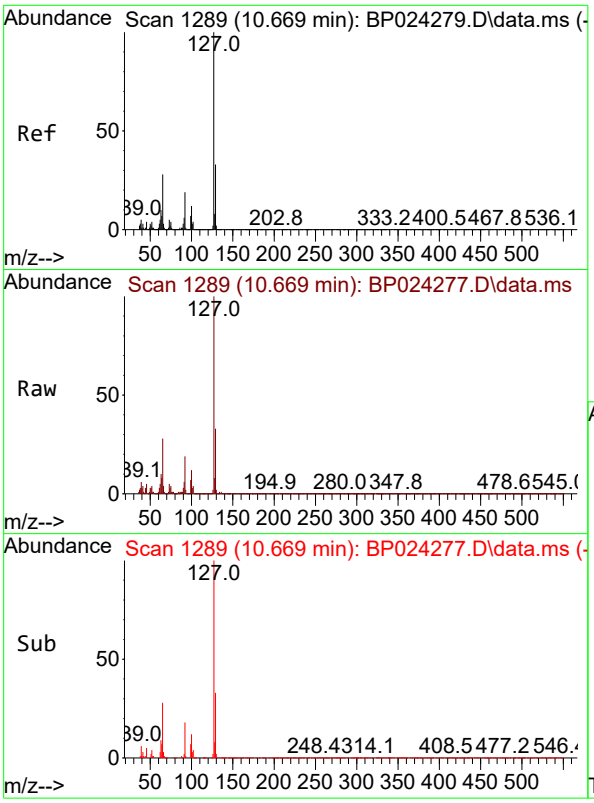


#32
Benzoic acid
Concen: 8.095 ng m
RT: 9.781 min Scan# 1138
Delta R.T. -0.047 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:122 Resp: 94803

Ion	Ratio	Lower	Upper
122	100		
105	123.3	104.8	144.8
77	92.9	69.2	109.2



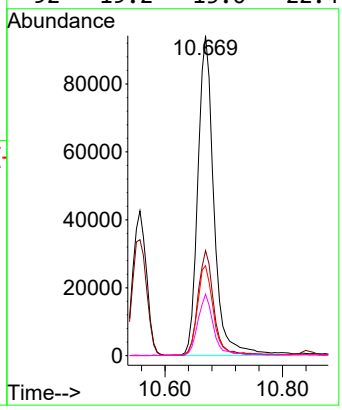


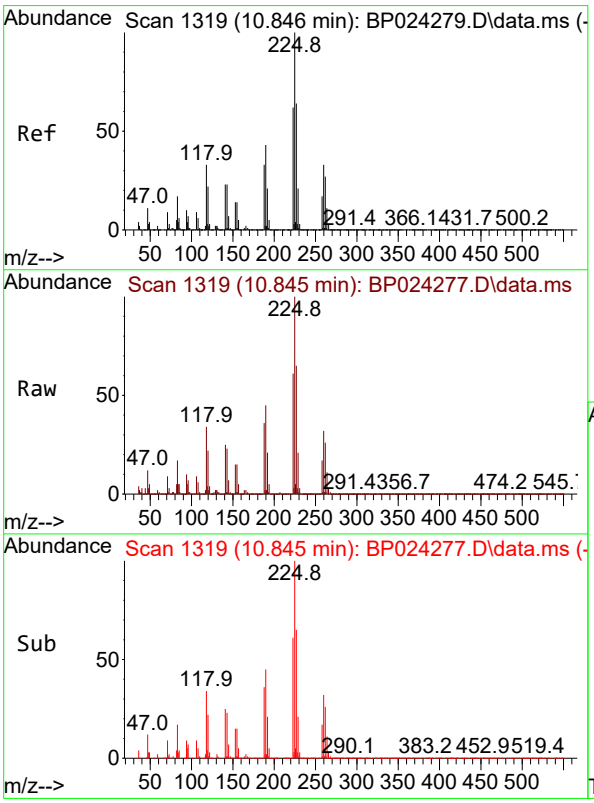
#33
4-Chloroaniline
Concen: 9.433 ng
RT: 10.669 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 178451

Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.1	39.1
65	28.1	22.1	33.1
92	19.2	15.0	22.4

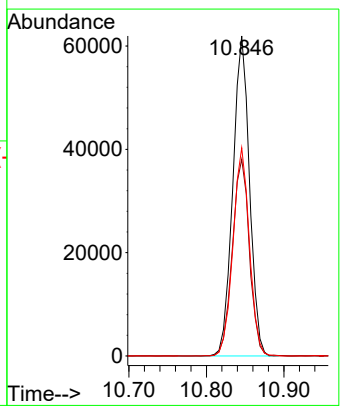


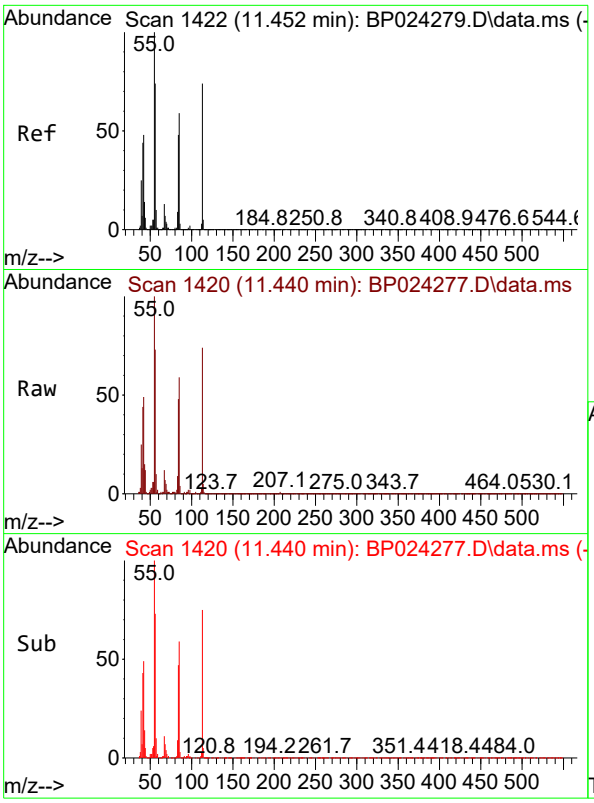


#34
Hexachlorobutadiene
Concen: 9.885 ng
RT: 10.845 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:225 Resp: 92662

Ion	Ratio	Lower	Upper
225	100		
223	61.4	49.5	74.3
227	65.0	50.9	76.3



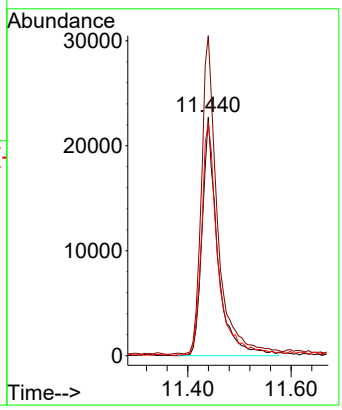


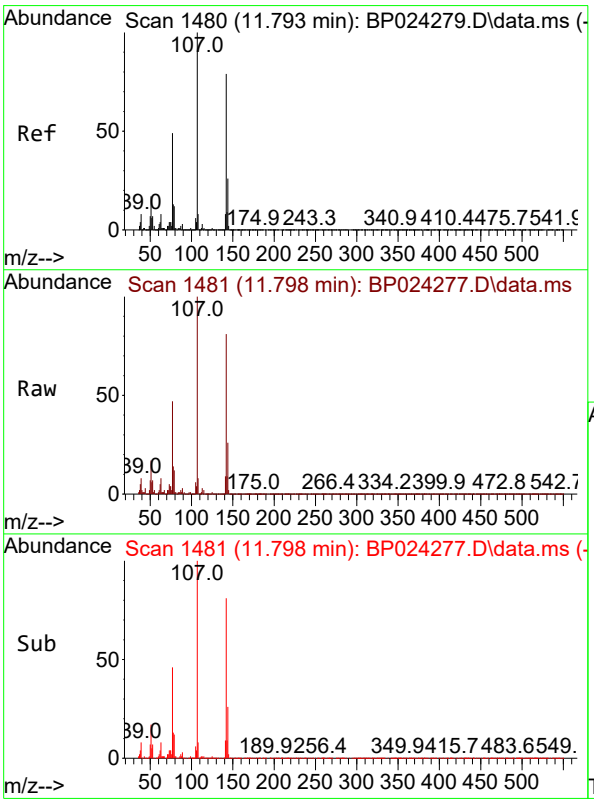
#35
Caprolactam
Concen: 8.670 ng
RT: 11.440 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 47014

Ion	Ratio	Lower	Upper
113	100		
55	134.3	115.9	155.9
56	97.4	81.1	121.1

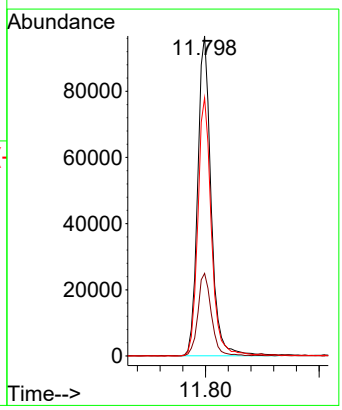


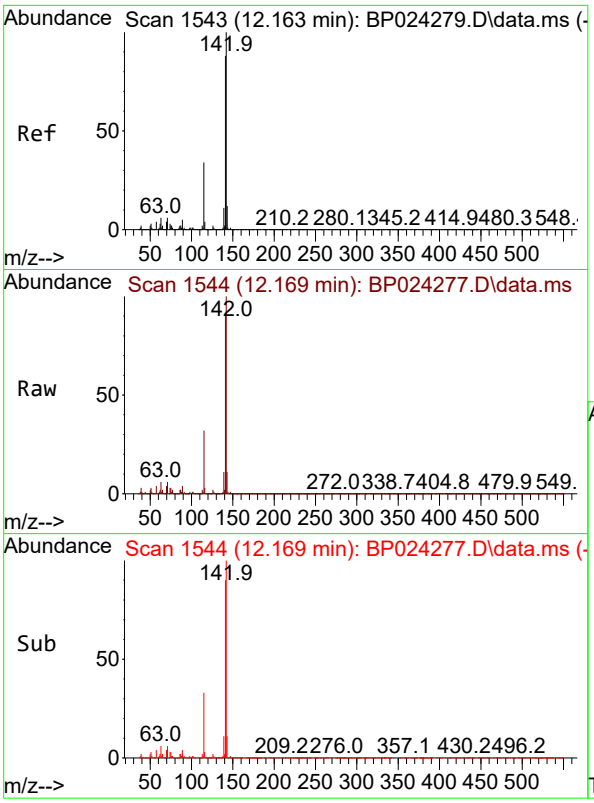


#36
4-Chloro-3-methylphenol
Concen: 9.213 ng
RT: 11.798 min Scan# 1481
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:107 Resp: 158563

Ion	Ratio	Lower	Upper
107	100		
144	25.8	20.5	30.7
142	80.6	63.4	95.2



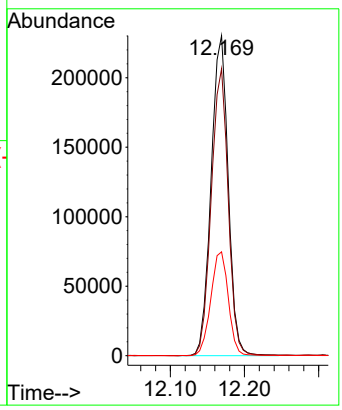


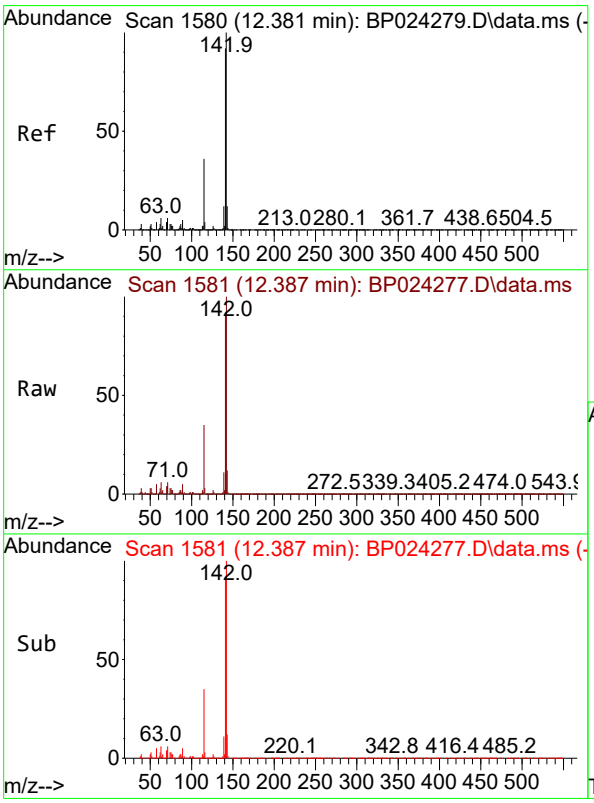
#37
2-Methylnaphthalene
Concen: 9.810 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 368122

Ion	Ratio	Lower	Upper
142	100		
141	89.7	70.3	105.5
115	32.5	26.9	40.3

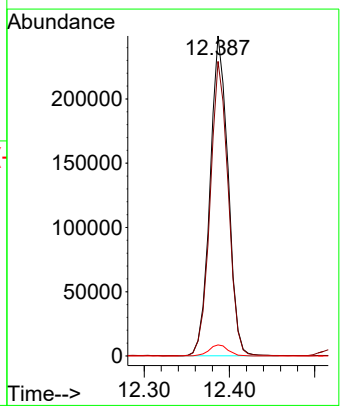


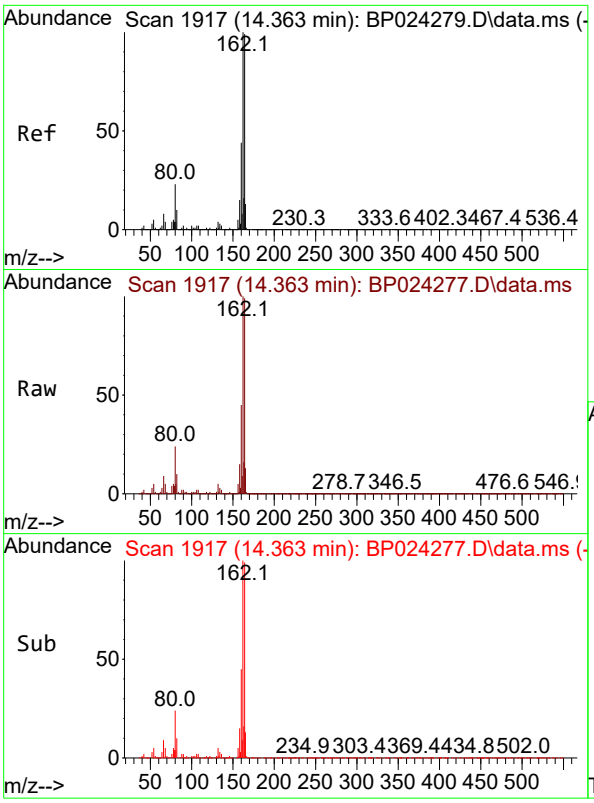


#38
1-Methylnaphthalene
Concen: 9.933 ng
RT: 12.387 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:142 Resp: 365139

Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.6	110.4
116	3.5	3.0	4.6



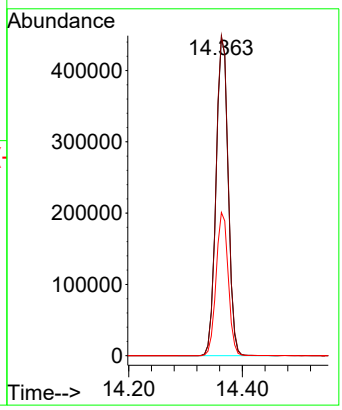


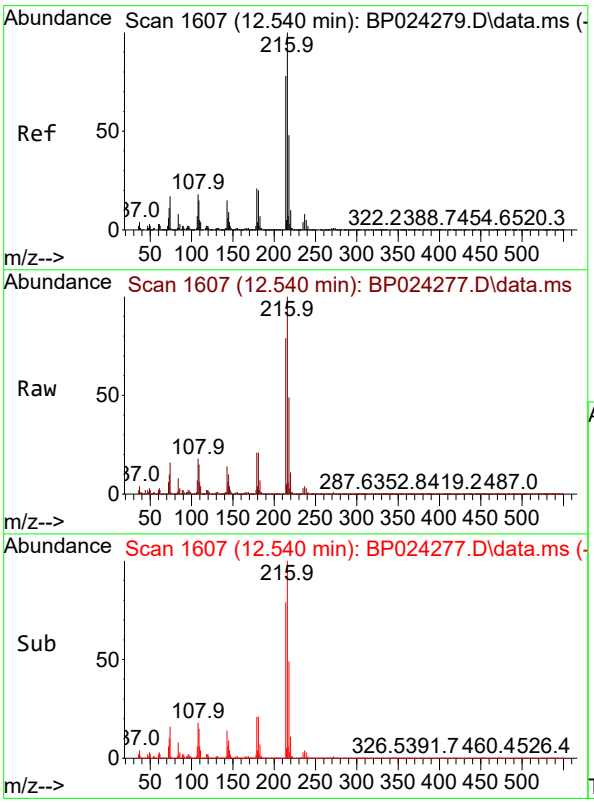
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 658652

Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.6	120.8
160	45.0	35.3	52.9

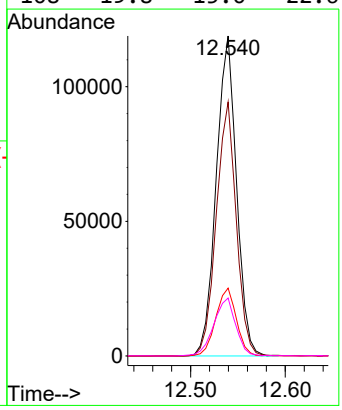


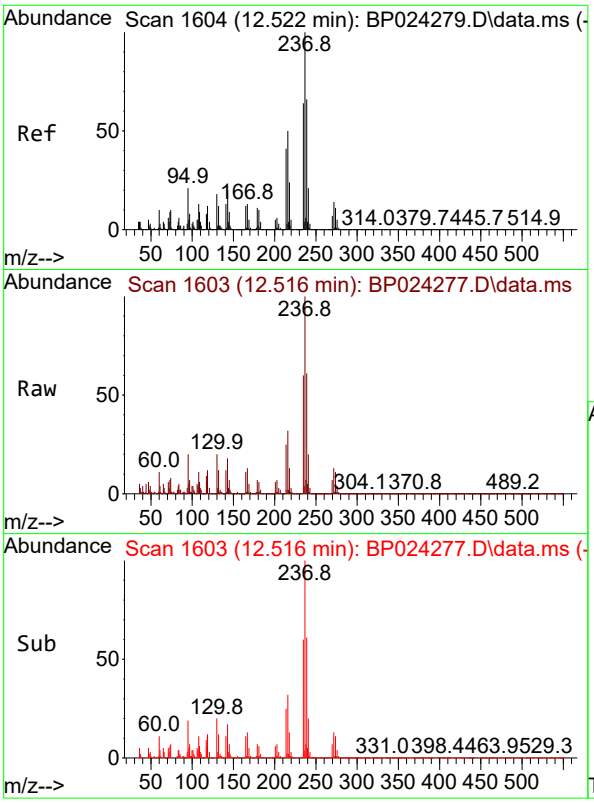


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.789 ng
RT: 12.540 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:216 Resp: 177188

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.6	93.8
179	21.5	17.2	25.8
108	19.8	15.0	22.6



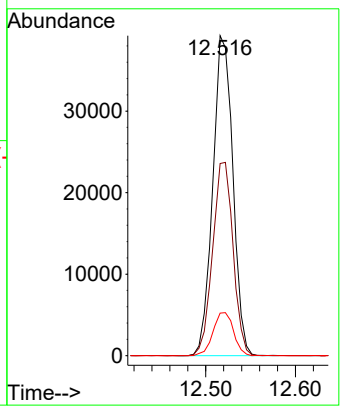


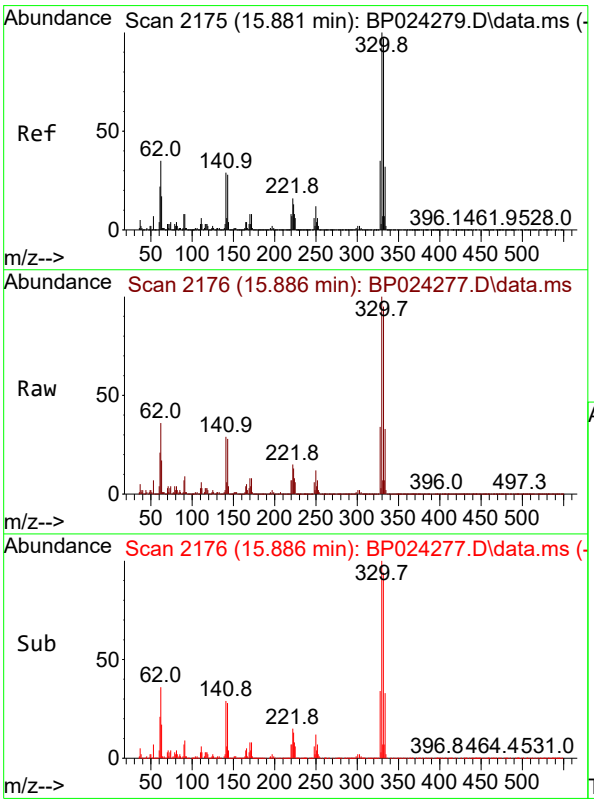
#41
Hexachlorocyclopentadiene
Concen: 9.586 ng
RT: 12.516 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 60914

Ion	Ratio	Lower	Upper
237	100		
235	60.0	43.9	83.9
272	13.3	0.0	33.6

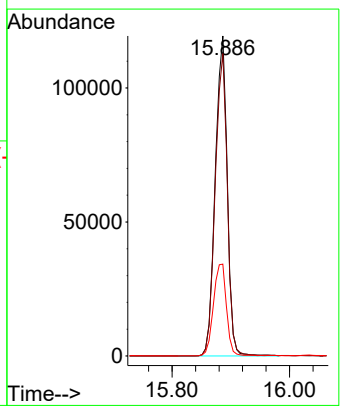


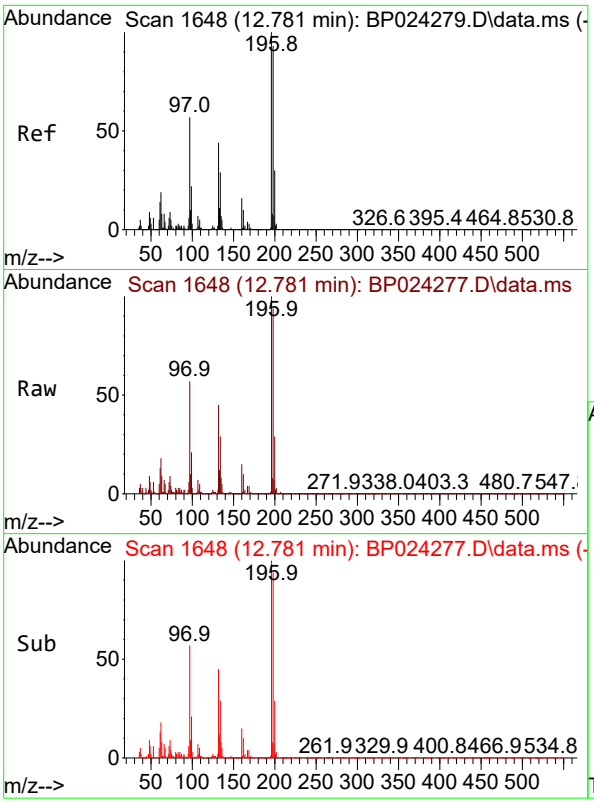


#42
2,4,6-Tribromophenol
Concen: 18.715 ng
RT: 15.886 min Scan# 2176
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:330 Resp: 168790

Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.1	115.7
141	31.2	24.7	37.1



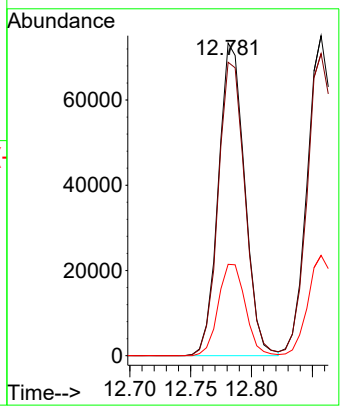


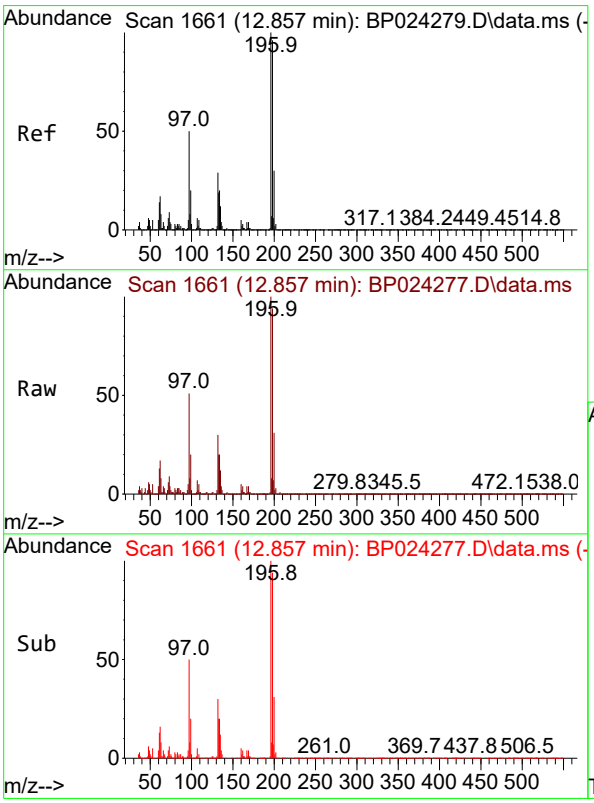
#43
2,4,6-Trichlorophenol
Concen: 9.253 ng
RT: 12.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 110203

Ion	Ratio	Lower	Upper
196	100		
198	93.9	74.3	111.5
200	29.3	24.0	36.0

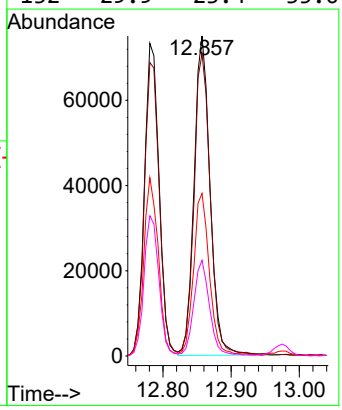


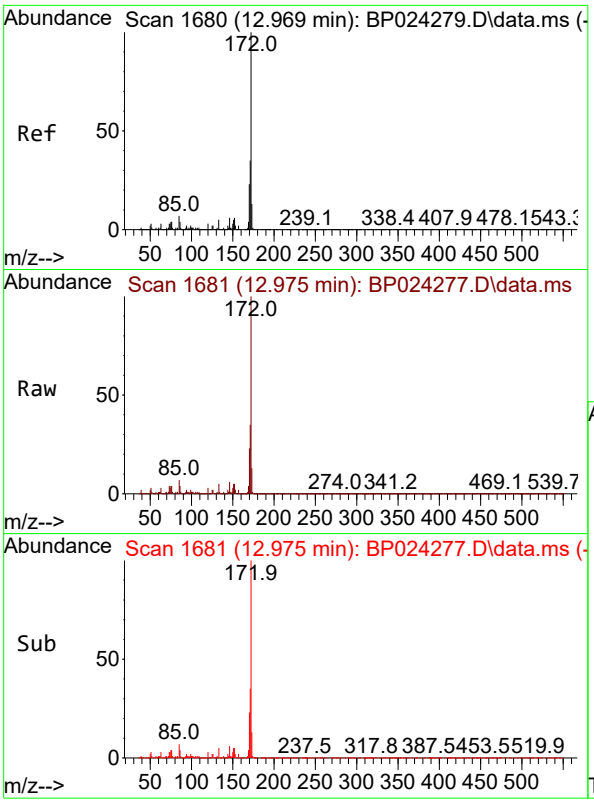


#44
2,4,5-Trichlorophenol
Concen: 9.251 ng
RT: 12.857 min Scan# 1661
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:196 Resp: 122104

Ion	Ratio	Lower	Upper
196	100		
198	94.4	77.3	115.9
97	50.8	40.4	60.6
132	29.9	23.4	35.0



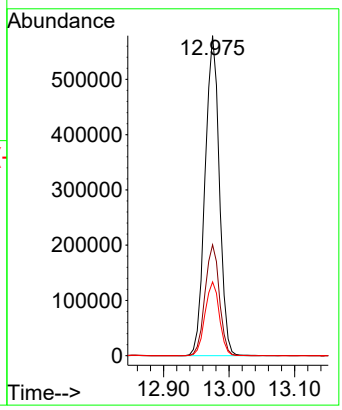


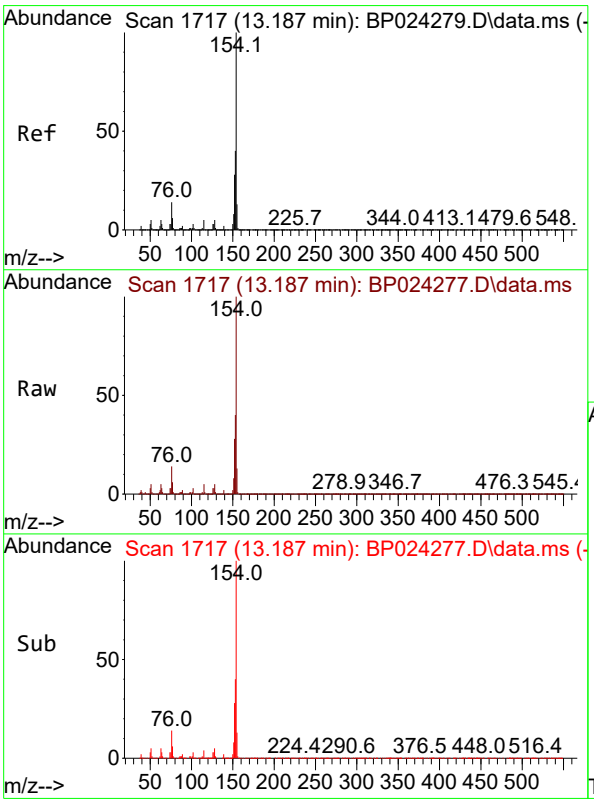
#45
2-Fluorobiphenyl
Concen: 20.247 ng
RT: 12.975 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 878366

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.2	42.2
170	23.0	18.6	27.8

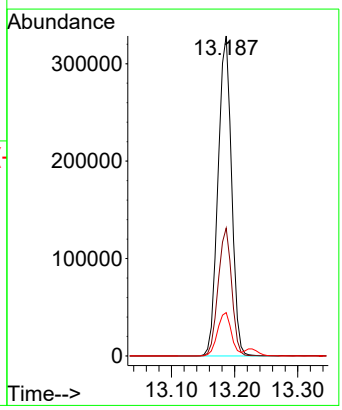


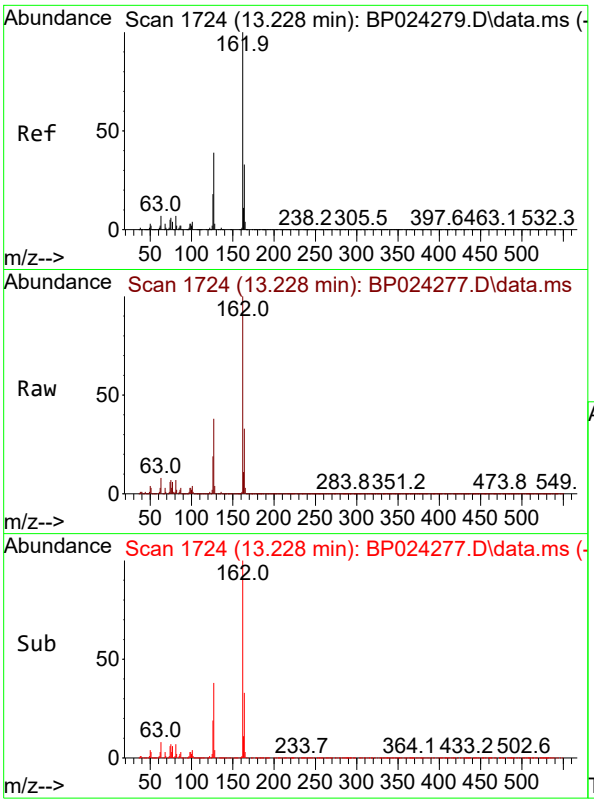


#46
1,1'-Biphenyl
Concen: 10.080 ng
RT: 13.187 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:154 Resp: 490325

Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.3	60.3
76	13.6	0.0	33.5



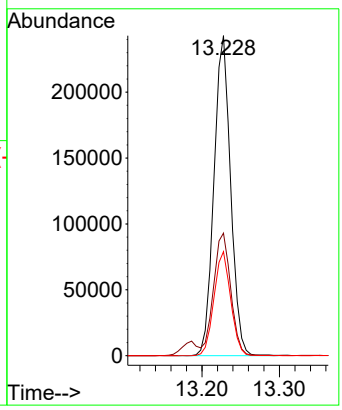


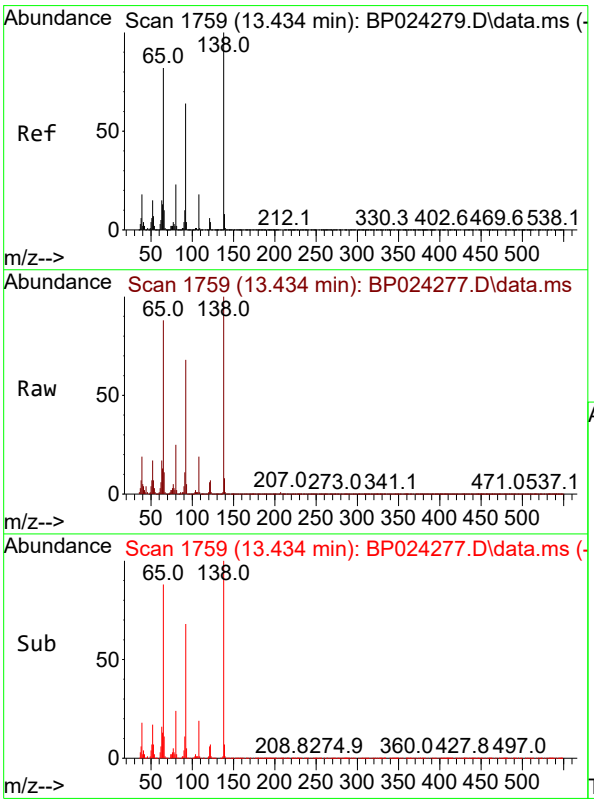
#47
2-Chloronaphthalene
Concen: 9.985 ng
RT: 13.228 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 362419

Ion	Ratio	Lower	Upper
162	100		
127	38.3	31.9	47.9
164	32.5	26.2	39.4

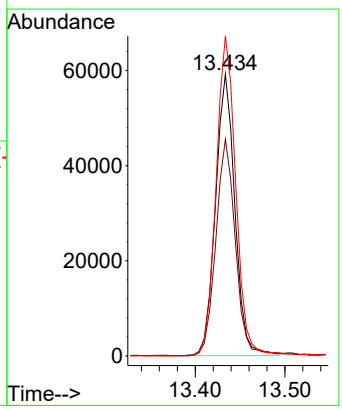


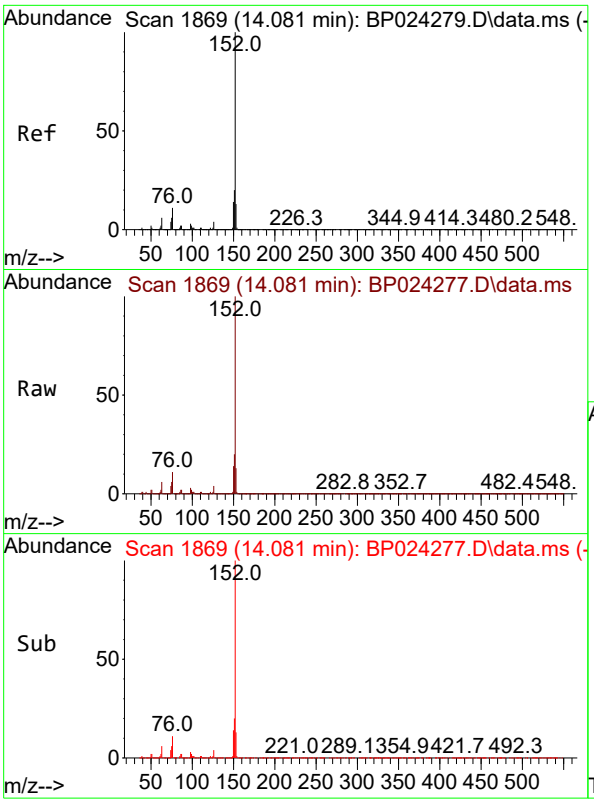


#48
2-Nitroaniline
Concen: 8.866 ng
RT: 13.434 min Scan# 1759
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 65 Resp: 88889

Ion	Ratio	Lower	Upper
65	100		
92	77.0	62.3	93.5
138	113.7	97.2	145.8



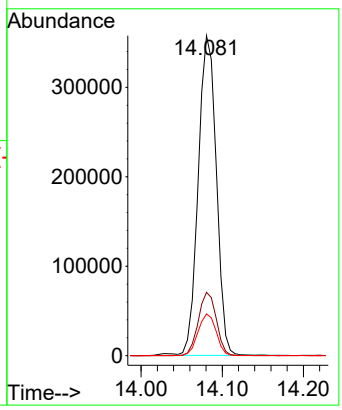


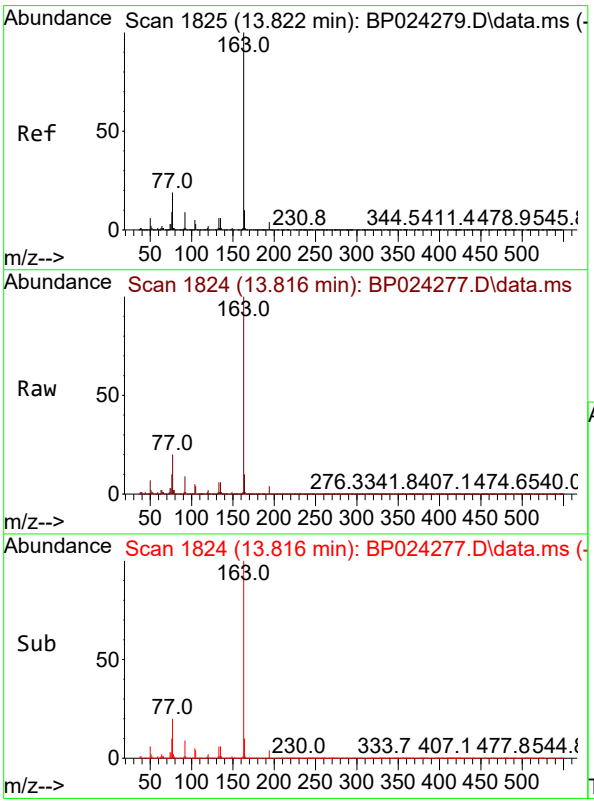
#49
Acenaphthylene
Concen: 9.711 ng
RT: 14.081 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 553215

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	13.1	10.6	15.8

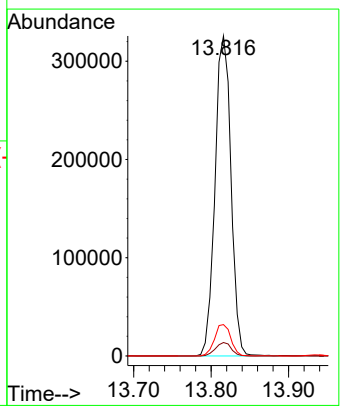


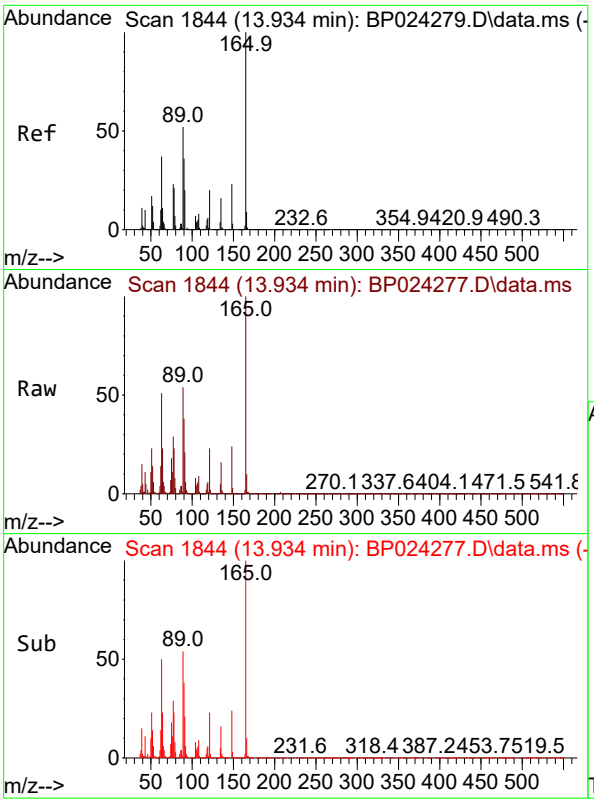


#50
Dimethylphthalate
Concen: 9.704 ng
RT: 13.816 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:163 Resp: 466314

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	9.8	8.0	12.0



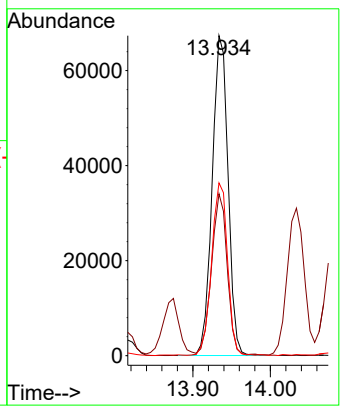


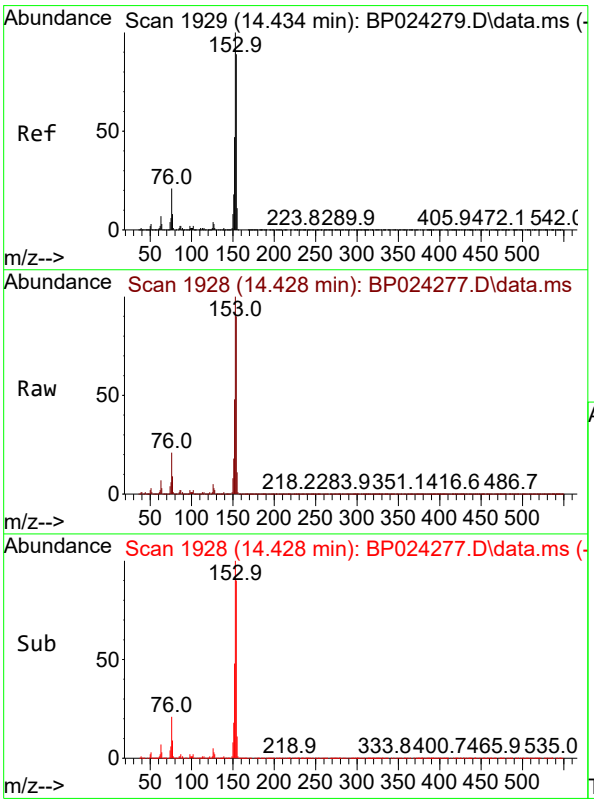
#51
2,6-Dinitrotoluene
Concen: 9.442 ng
RT: 13.934 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 95596

Ion	Ratio	Lower	Upper
165	100		
63	50.6	38.0	57.0
89	54.0	41.7	62.5

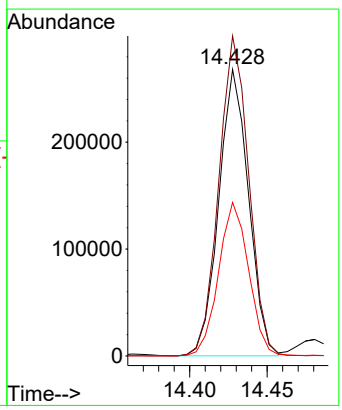


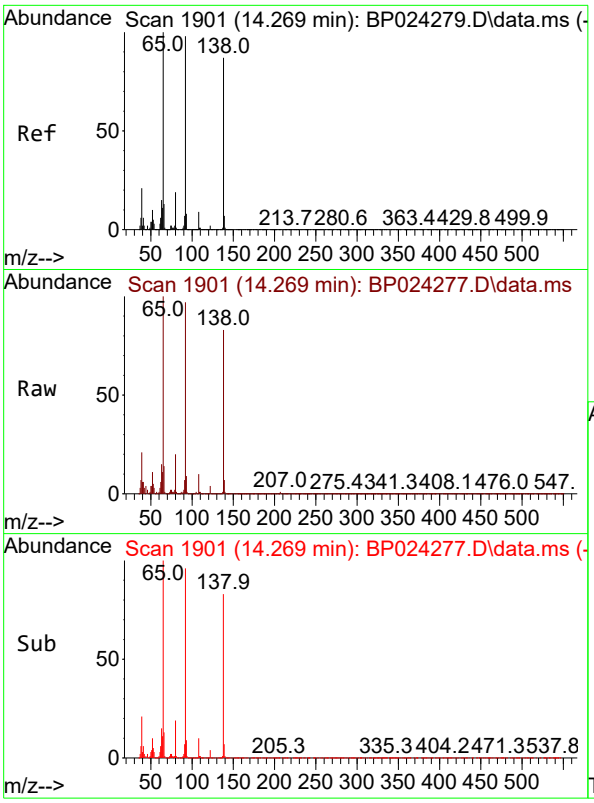


#52
Acenaphthene
Concen: 9.877 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:154 Resp: 357828

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.8	134.6
152	53.6	42.6	63.8



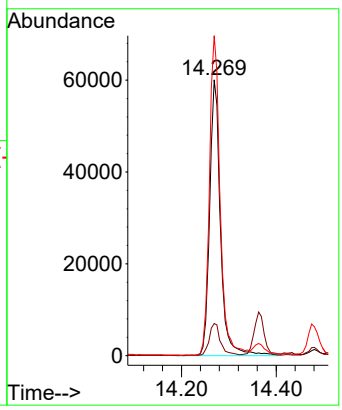


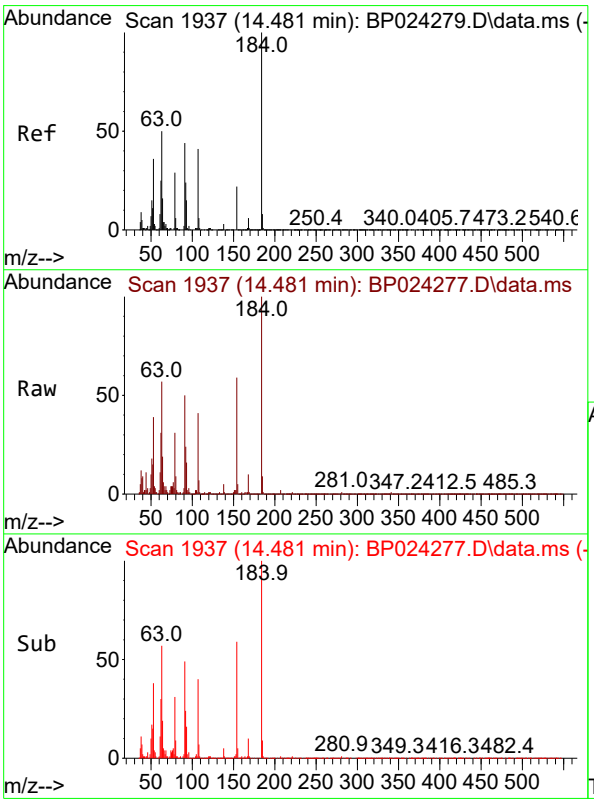
#53
3-Nitroaniline
Concen: 9.067 ng
RT: 14.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 95237

Ion	Ratio	Lower	Upper
138	100		
108	11.7	8.3	12.5
92	116.0	89.8	134.8

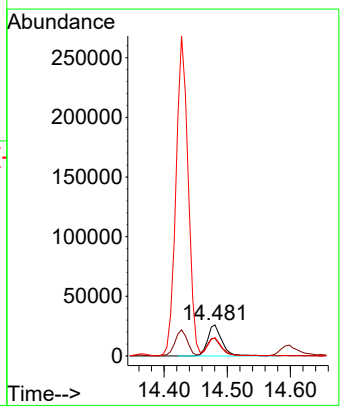


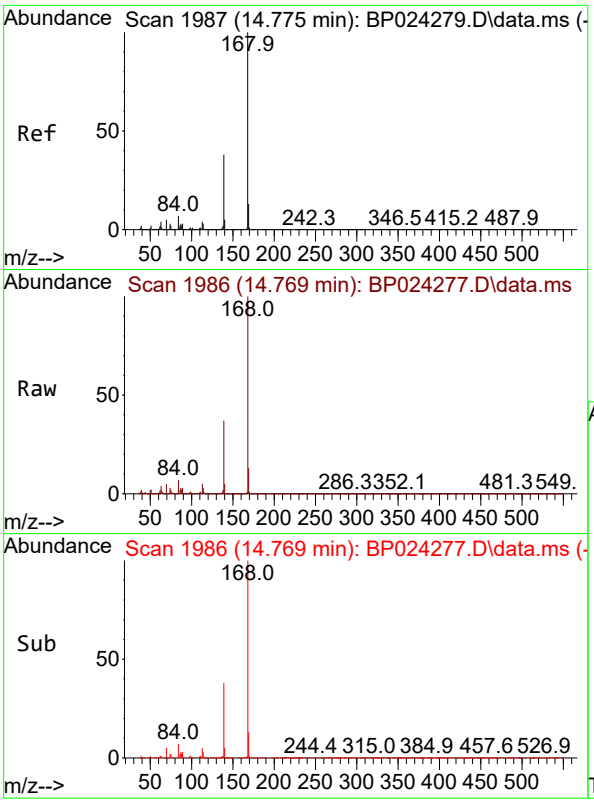


#54
2,4-Dinitrophenol
Concen: 7.588 ng
RT: 14.481 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:184 Resp: 41132

Ion	Ratio	Lower	Upper
184	100		
63	57.2	42.6	64.0
154	58.9	47.2	70.8



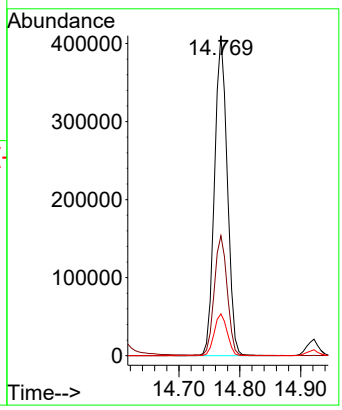


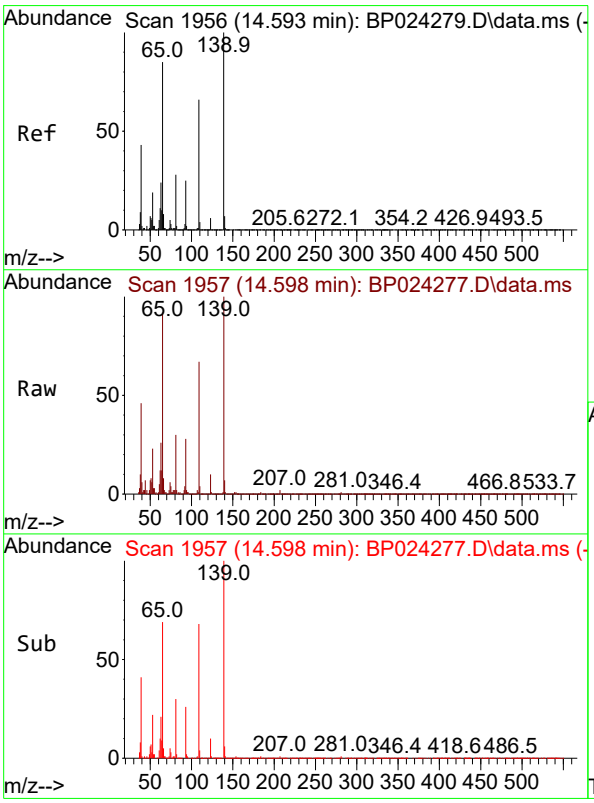
#55
Dibenzofuran
Concen: 10.013 ng
RT: 14.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 594953

Ion	Ratio	Lower	Upper
168	100		
139	37.5	30.3	45.5
169	13.1	10.6	16.0

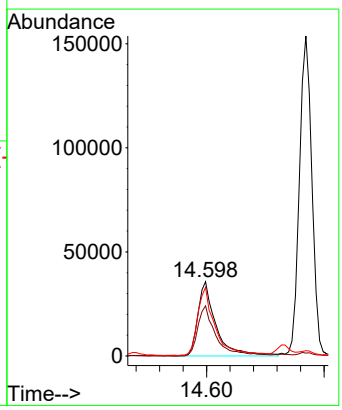


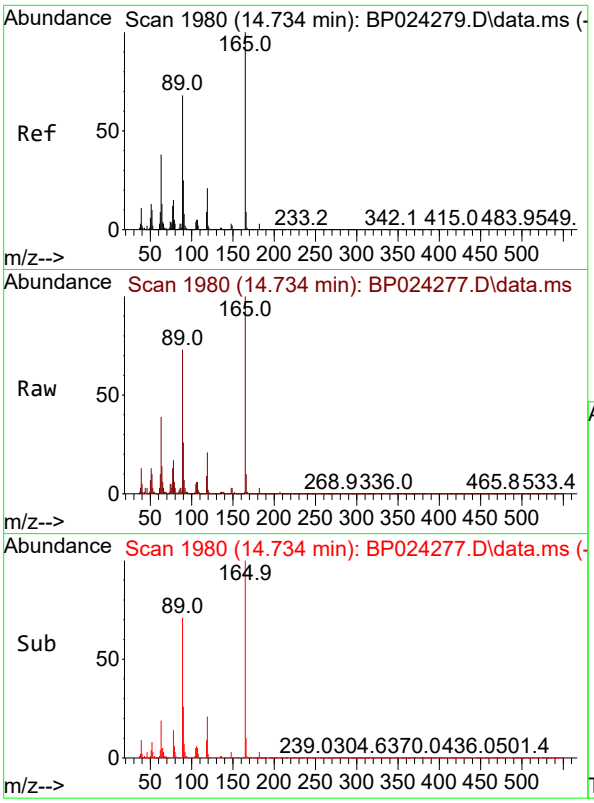


#56
4-Nitrophenol
Concen: 8.416 ng
RT: 14.598 min Scan# 1957
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:139 Resp: 75995

Ion	Ratio	Lower	Upper
139	100		
109	67.3	46.1	86.1
65	92.4	65.0	105.0



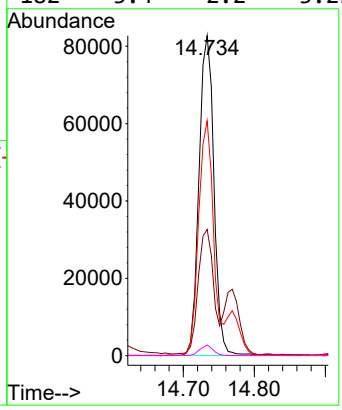


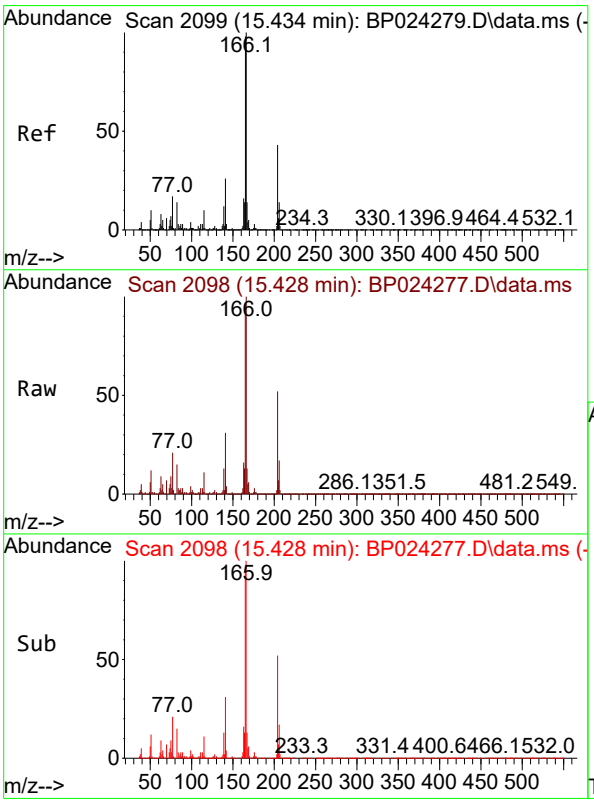
#57
2,4-Dinitrotoluene
Concen: 8.862 ng
RT: 14.734 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 121276

Ion	Ratio	Lower	Upper
165	100		
63	39.5	30.4	45.6
89	73.4	54.6	82.0
182	3.4	2.2	3.2#

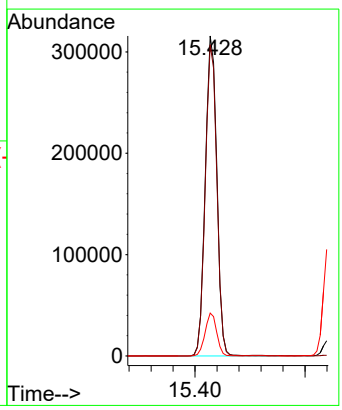


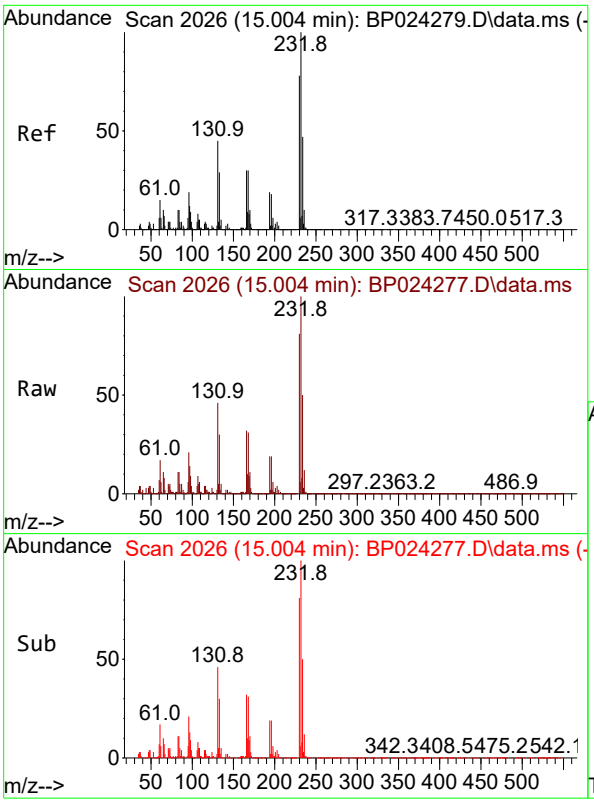


#58
Fluorene
Concen: 10.026 ng
RT: 15.428 min Scan# 2098
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:166 Resp: 459952

Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.1	117.1
167	13.4	10.9	16.3



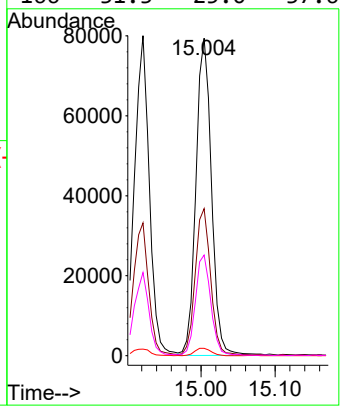


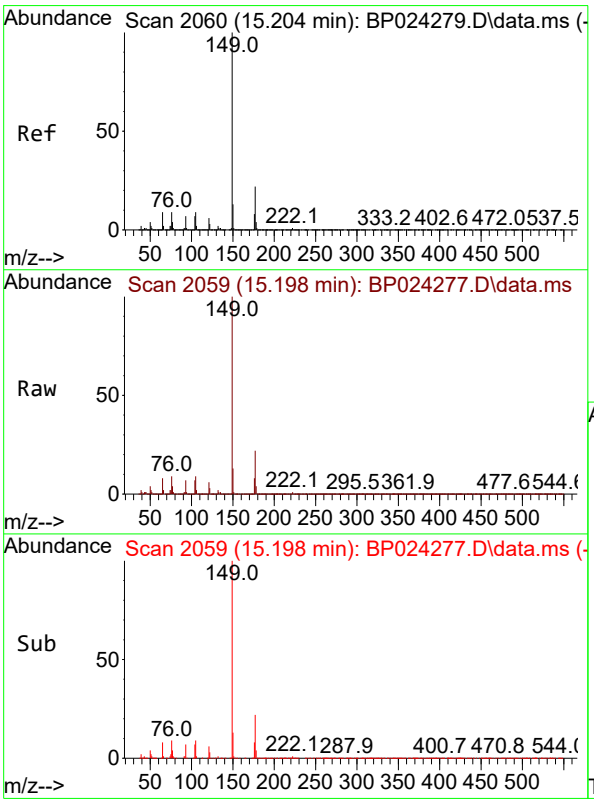
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.470 ng
RT: 15.004 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 115645

Ion	Ratio	Lower	Upper
232	100		
131	45.6	36.8	55.2
130	2.5	1.9	2.9
166	31.3	25.0	37.6

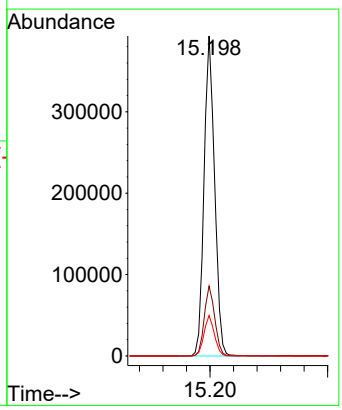


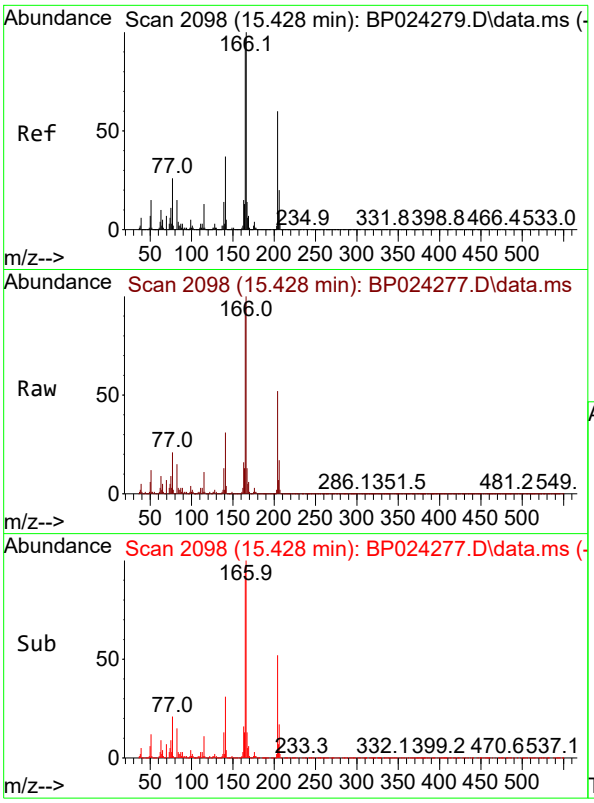


#60
Diethylphthalate
Concen: 9.884 ng
RT: 15.198 min Scan# 2059
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:149 Resp: 488847

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.4	26.2
150	12.6	10.1	15.1



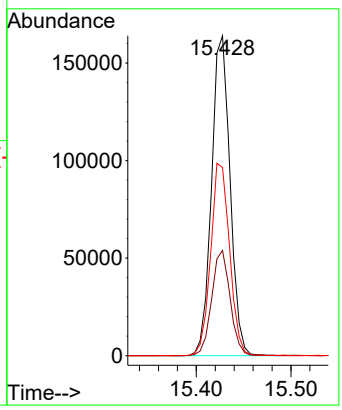


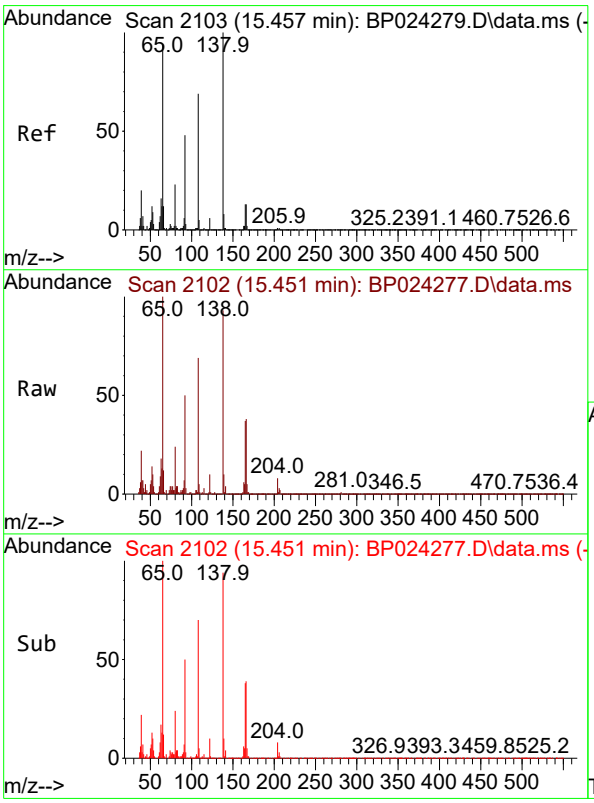
#61
4-Chlorophenyl-phenylether
Concen: 9.985 ng
RT: 15.428 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 222437

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.5	39.7
141	58.8	49.4	74.0

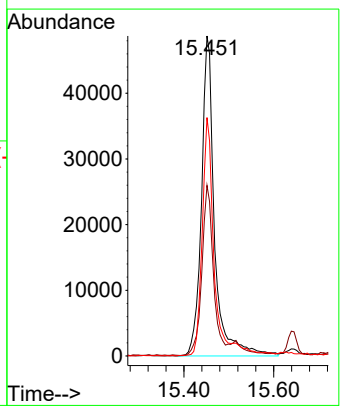


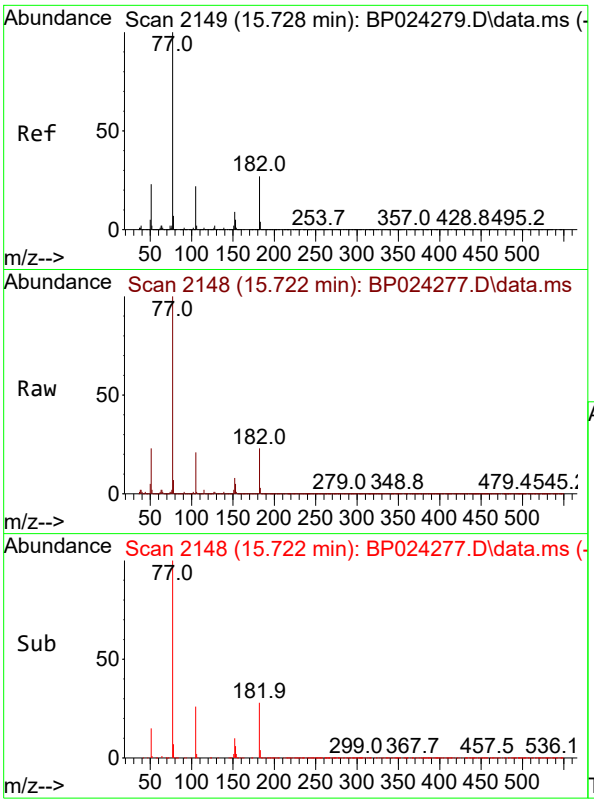


#62
4-Nitroaniline
Concen: 8.857 ng
RT: 15.451 min Scan# 2102
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:138 Resp: 98638

Ion	Ratio	Lower	Upper
138	100		
92	53.3	27.8	67.8
108	74.5	48.9	88.9



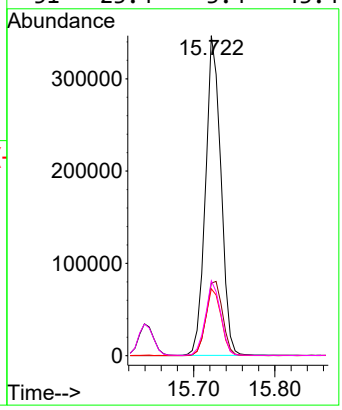


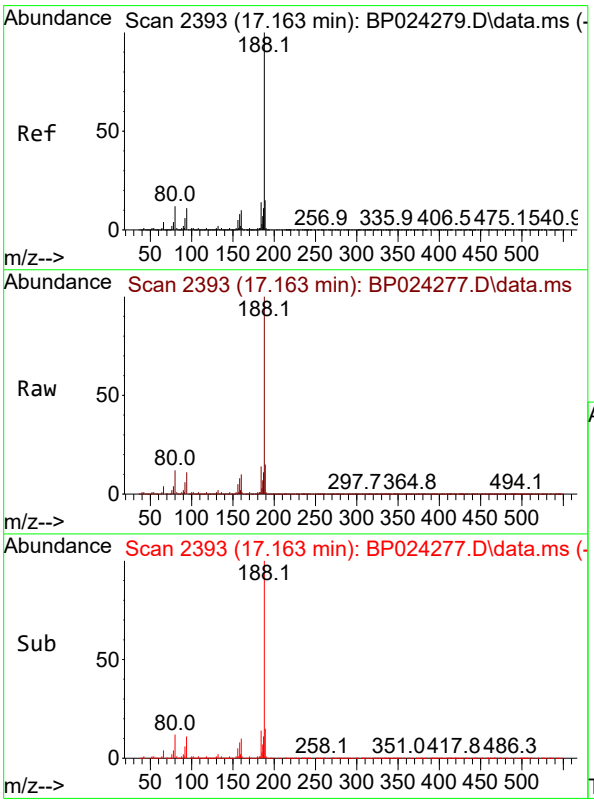
#63
Azobenzene
Concen: 9.999 ng
RT: 15.722 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 455459

Ion	Ratio	Lower	Upper
77	100		
182	22.7	7.3	47.3
105	20.9	2.3	42.3
51	23.4	3.4	43.4

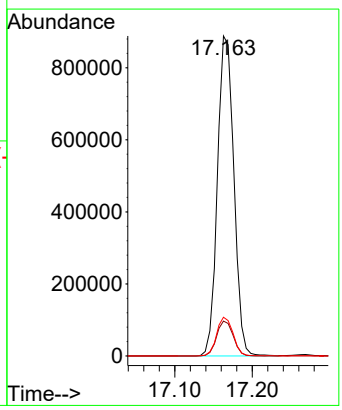


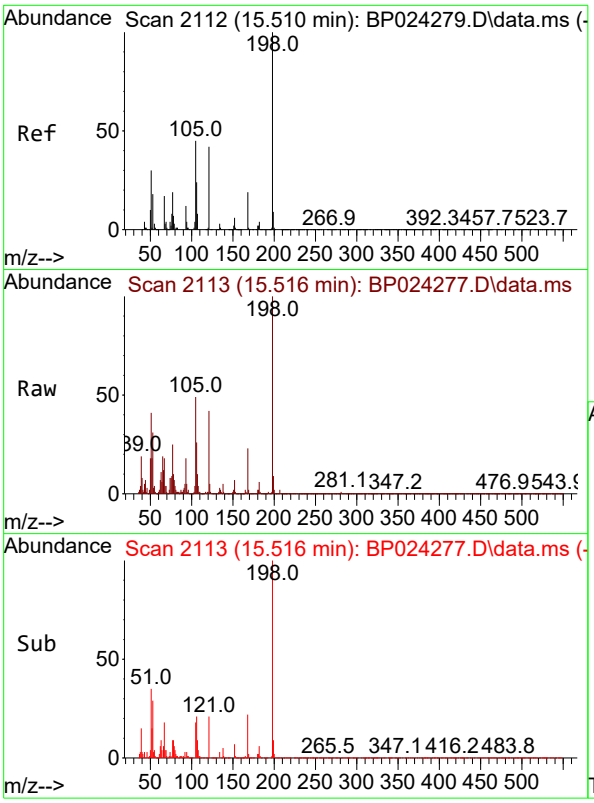


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2393
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:188 Resp: 1310701

Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.6	13.0
80	12.1	9.8	14.6



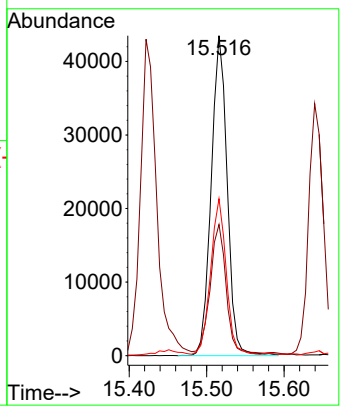


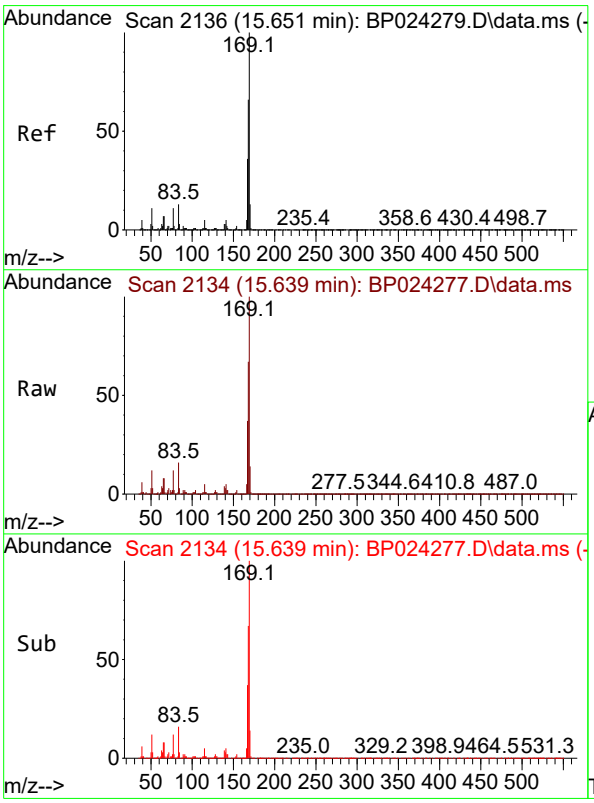
#65
4,6-Dinitro-2-methylphenol
Concen: 8.151 ng
RT: 15.516 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 62421

Ion	Ratio	Lower	Upper
198	100		
51	41.0	18.4	58.4
105	49.0	26.5	66.5

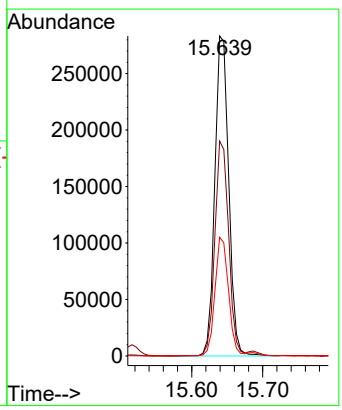


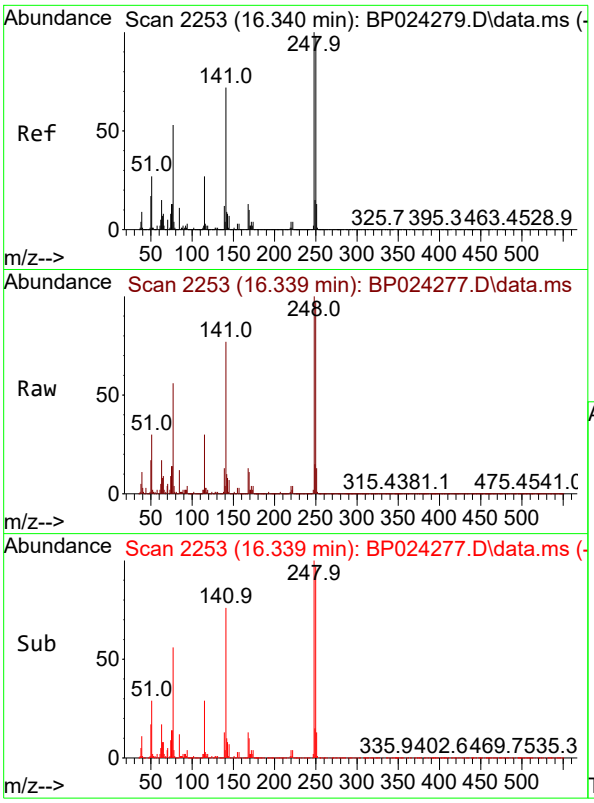


#66
n-Nitrosodiphenylamine
Concen: 9.759 ng
RT: 15.639 min Scan# 2134
Delta R.T. -0.012 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:169 Resp: 383558

Ion	Ratio	Lower	Upper
169	100		
168	67.2	53.0	79.4
167	37.1	28.9	43.3



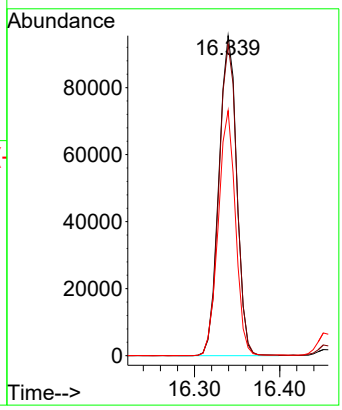


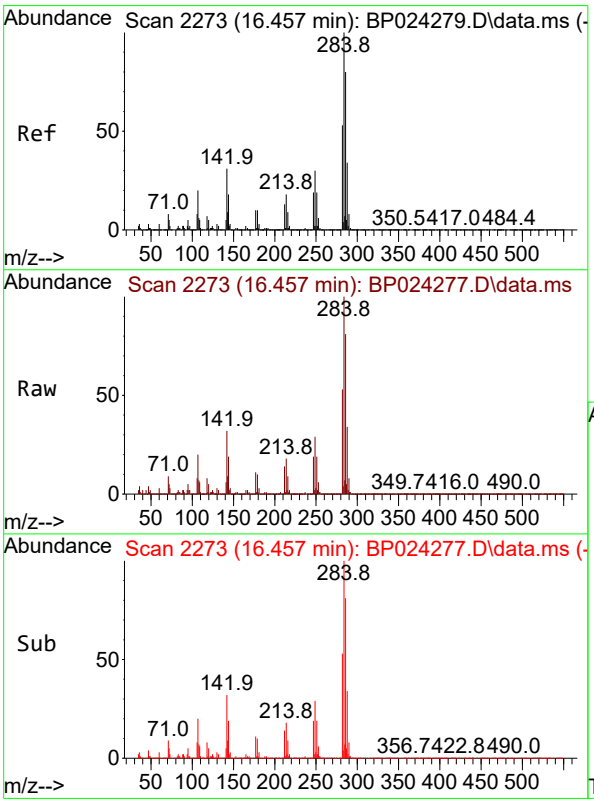
#67
4-Bromophenyl-phenylether
Concen: 9.703 ng
RT: 16.339 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 138724

Ion	Ratio	Lower	Upper
248	100		
250	97.2	78.2	117.4
141	76.6	57.7	86.5

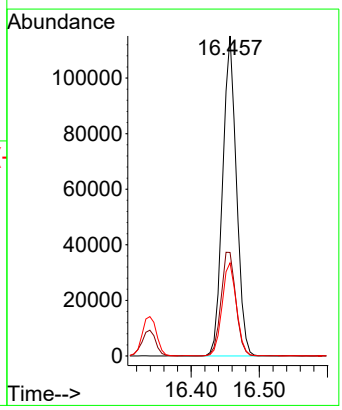


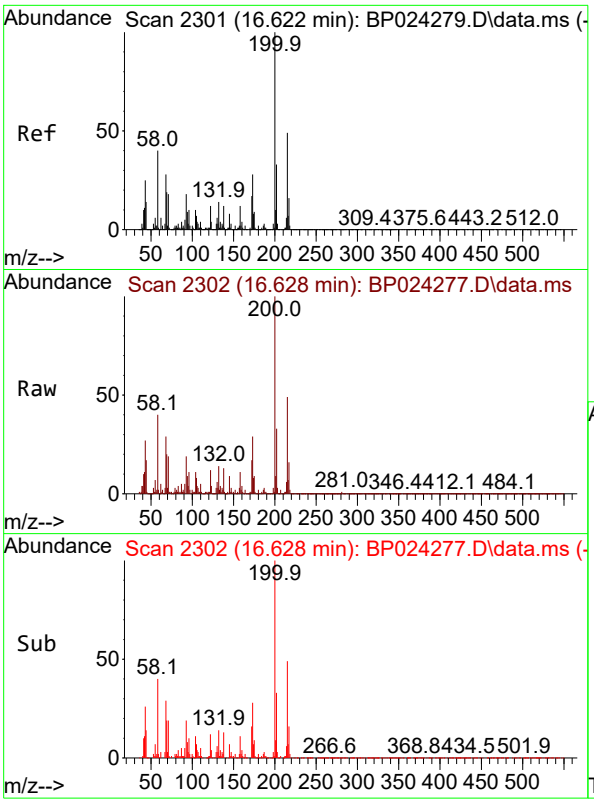


#68
Hexachlorobenzene
Concen: 9.528 ng
RT: 16.457 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:284 Resp: 161944

Ion	Ratio	Lower	Upper
284	100		
142	32.4	24.6	37.0
249	29.1	23.8	35.6



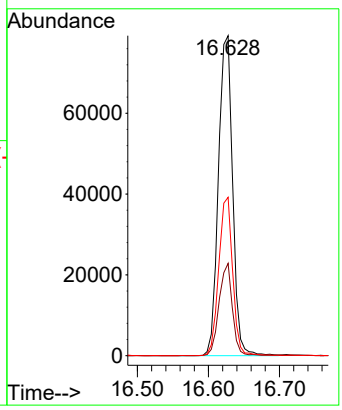


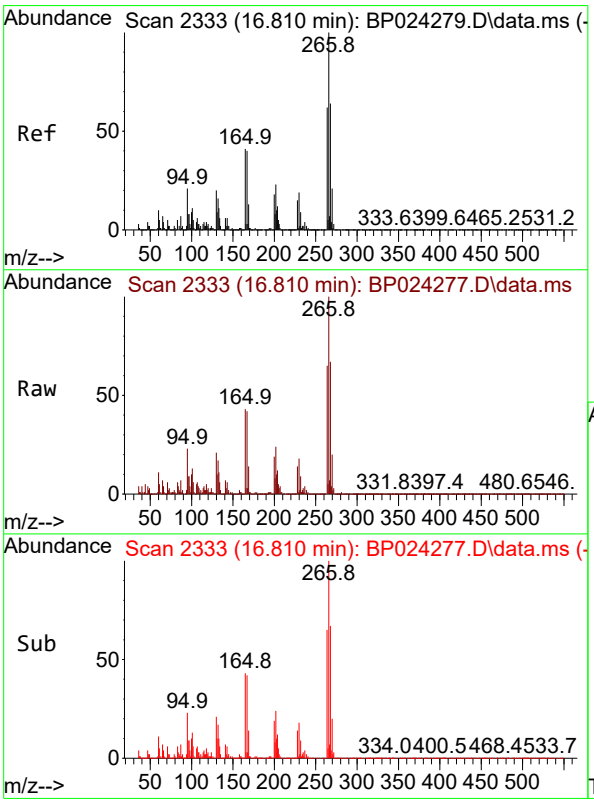
#69
Atrazine
Concen: 10.990 ng
RT: 16.628 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 109503

Ion	Ratio	Lower	Upper
200	100		
173	28.8	7.5	47.5
215	49.5	28.8	68.8

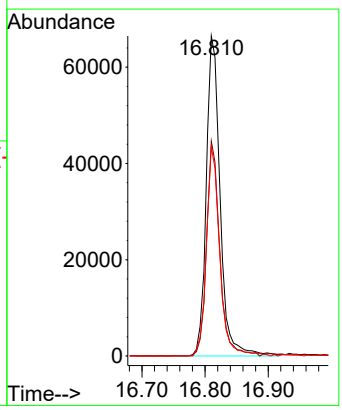


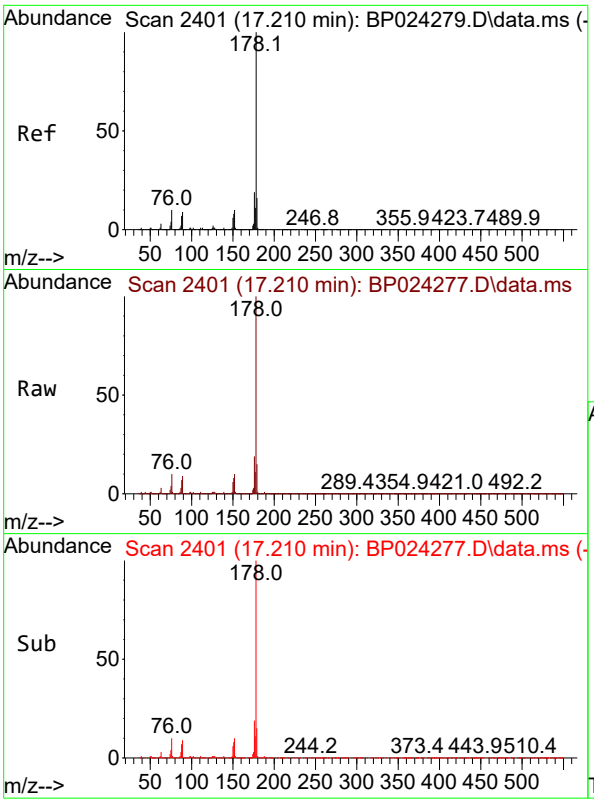


#70
Pentachlorophenol
Concen: 8.682 ng
RT: 16.810 min Scan# 2333
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:266 Resp: 101318

Ion	Ratio	Lower	Upper
266	100		
268	67.1	51.0	76.6
264	65.3	49.8	74.6



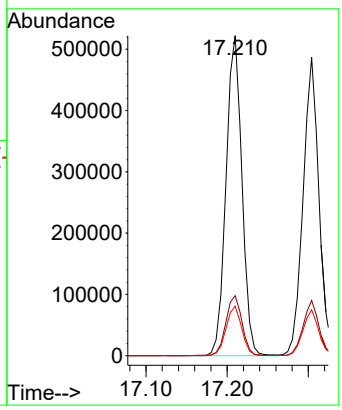


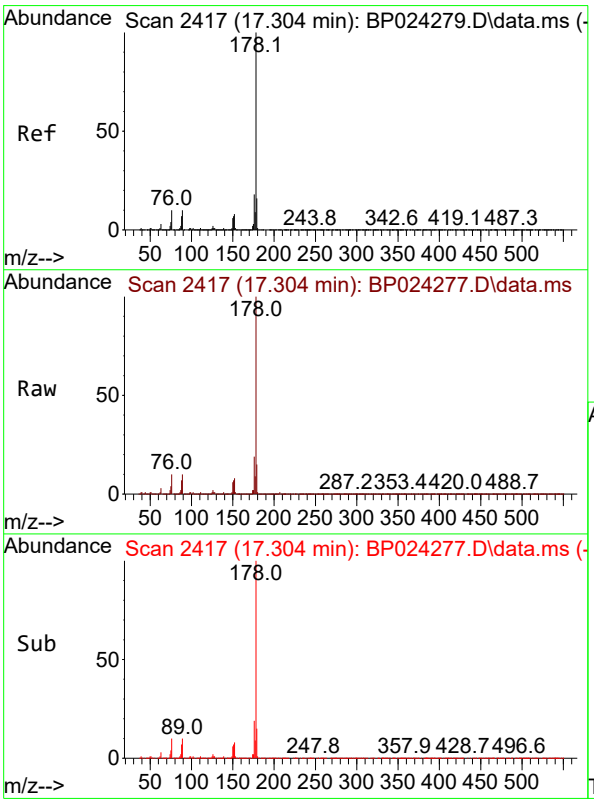
#71
Phenanthrene
Concen: 9.900 ng
RT: 17.210 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 711407

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.5	12.5	18.7

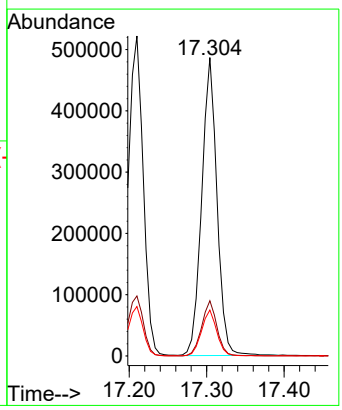


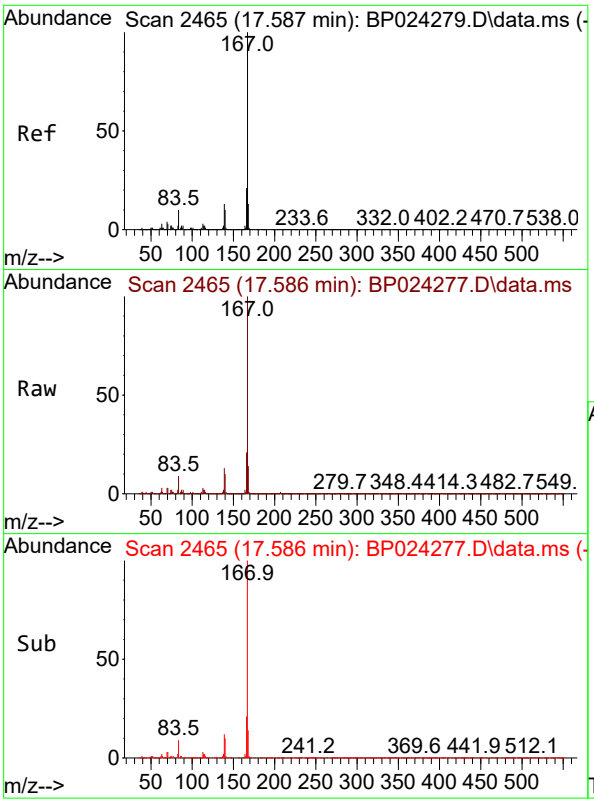


#72
Anthracene
Concen: 9.635 ng
RT: 17.304 min Scan# 2417
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:178 Resp: 666269

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.4	12.4	18.6



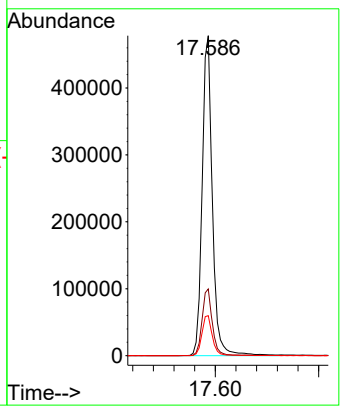


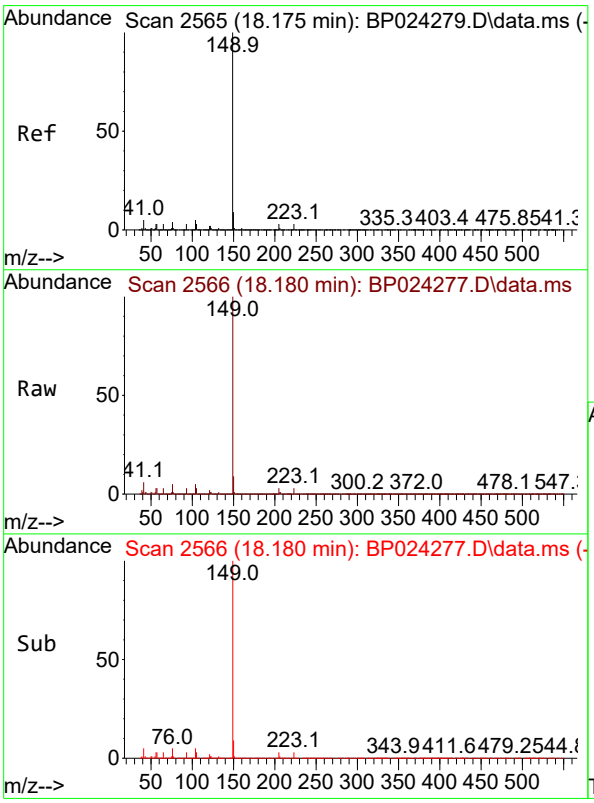
#73
Carbazole
Concen: 9.721 ng
RT: 17.586 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 654205

Ion	Ratio	Lower	Upper
167	100		
166	20.8	17.1	25.7
139	12.5	10.6	16.0

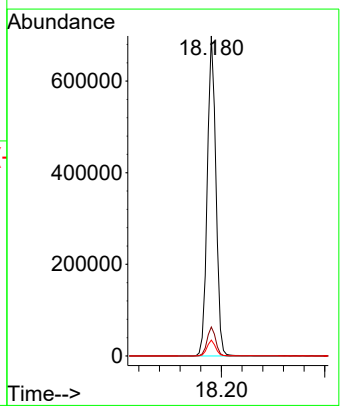


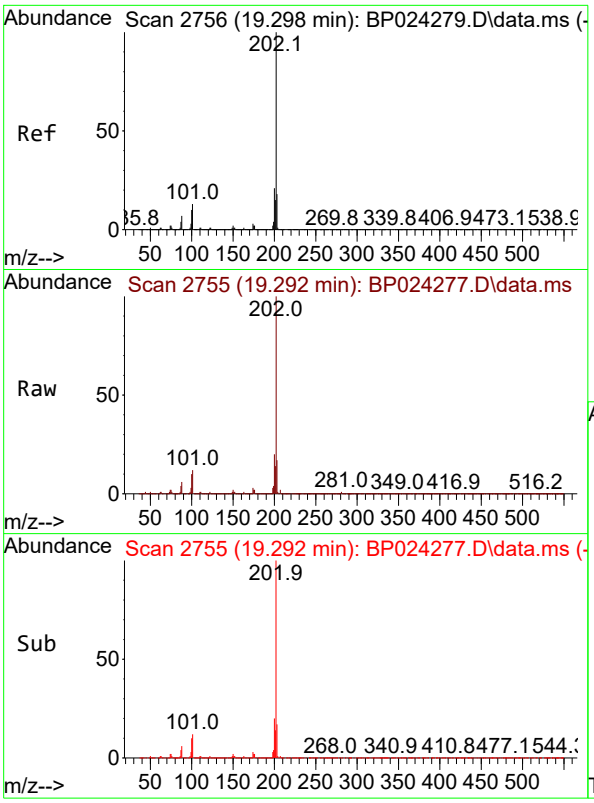


#74
Di-n-butylphthalate
Concen: 9.616 ng
RT: 18.180 min Scan# 2566
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:149 Resp: 806280

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.2
104	4.9	3.9	5.9



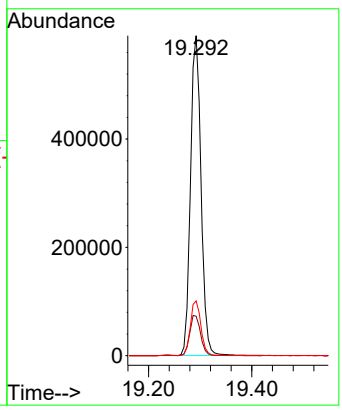


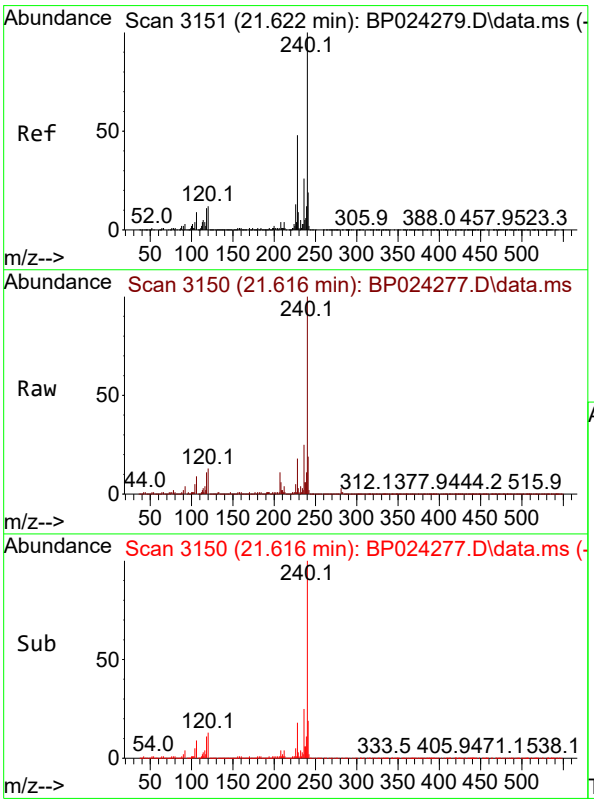
#75
Fluoranthene
Concen: 9.791 ng
RT: 19.292 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 835153

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	33.2
203	17.1	0.0	37.7

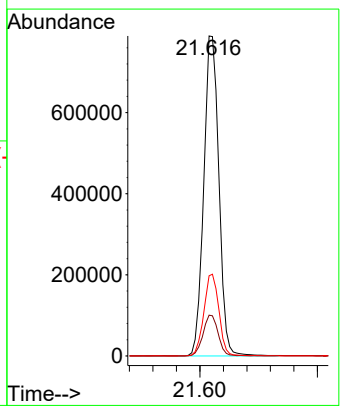


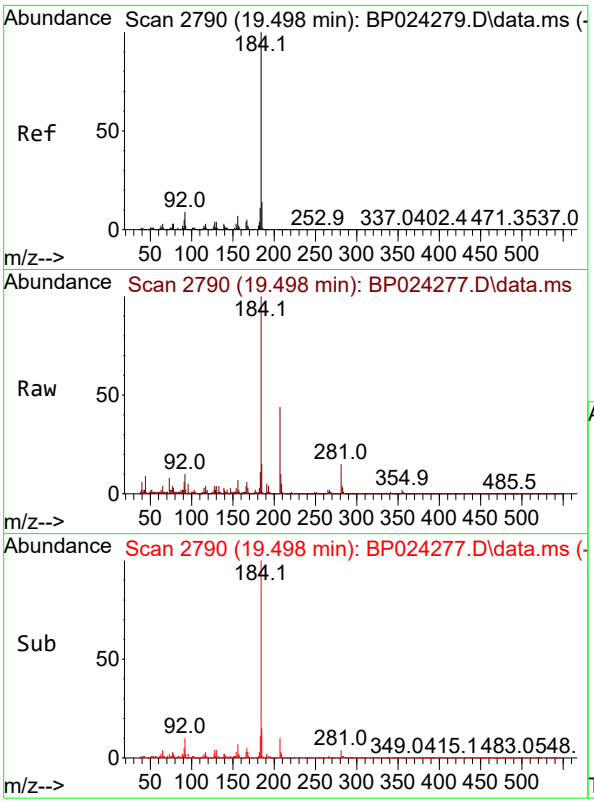


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.616 min Scan# 3150
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:240 Resp: 1408913

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.8	14.8
236	25.0	20.9	31.3



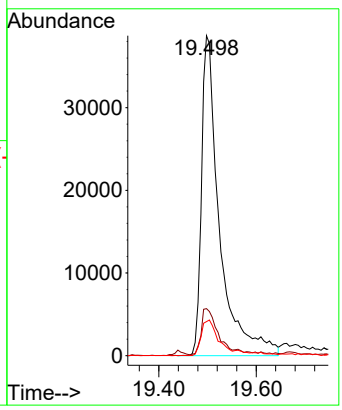


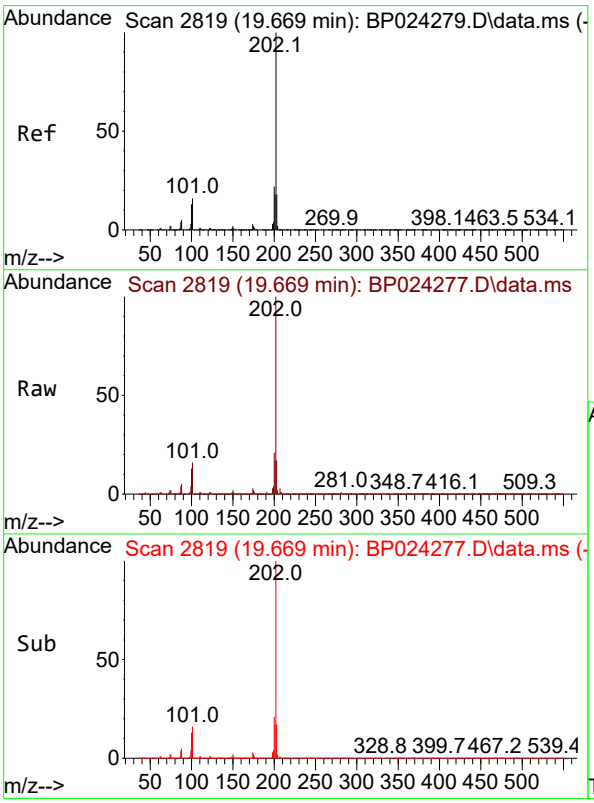
#77
Benzidine
Concen: 5.730 ng
RT: 19.498 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 99659

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.6	17.4
183	10.6	9.2	13.8

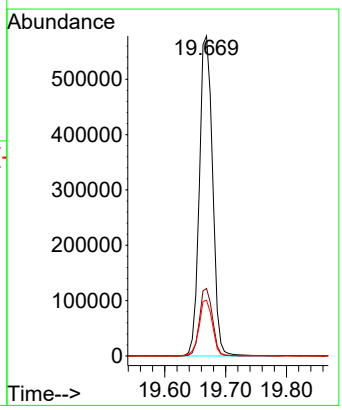


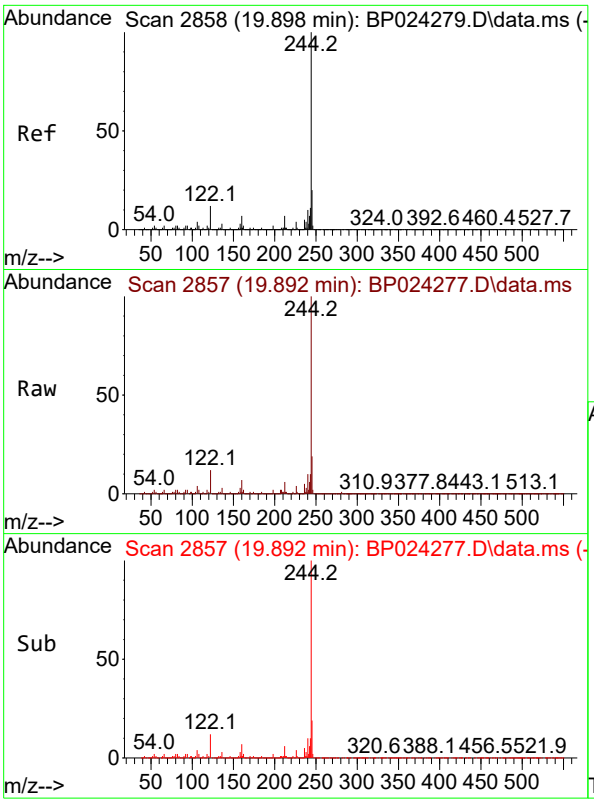


#78
Pyrene
Concen: 9.659 ng
RT: 19.669 min Scan# 2819
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:202 Resp: 870767

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.2	25.8
203	17.4	14.4	21.6



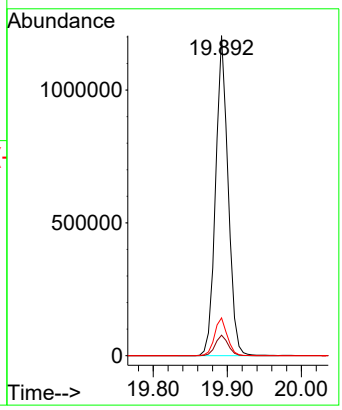


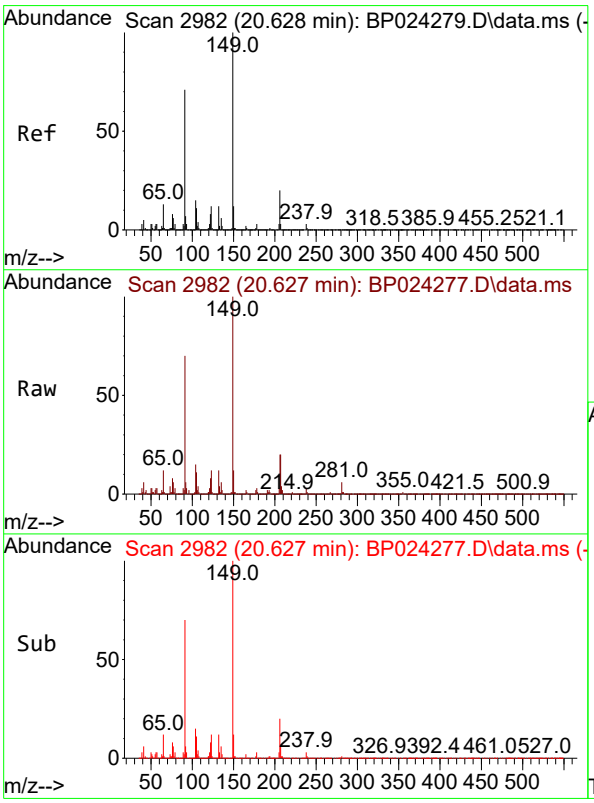
#79
Terphenyl-d14
Concen: 19.888 ng
RT: 19.892 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 1405643

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.6	8.4
122	11.8	9.4	14.0

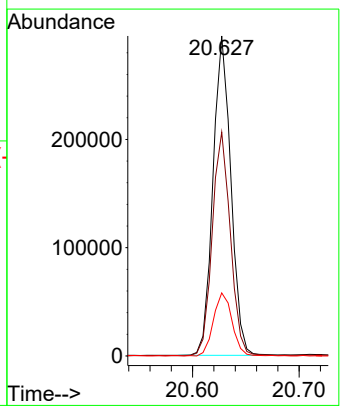


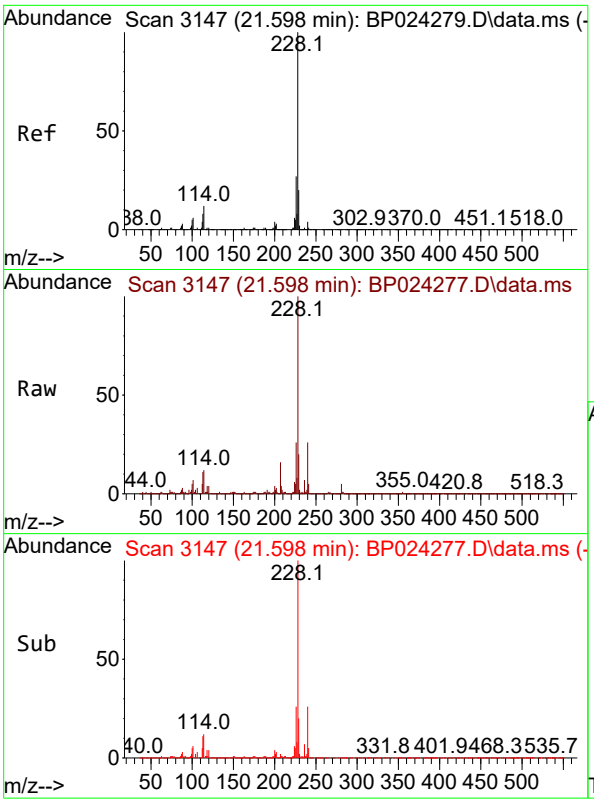


#80
Butylbenzylphthalate
Concen: 9.043 ng
RT: 20.627 min Scan# 2982
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:149 Resp: 343670

Ion	Ratio	Lower	Upper
149	100		
91	69.9	56.4	84.6
206	19.7	16.3	24.5



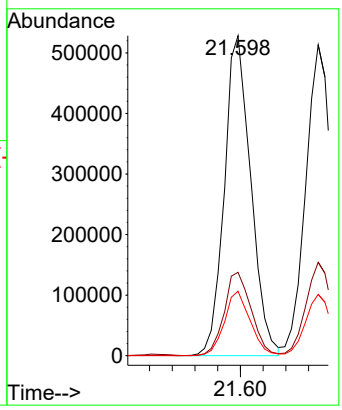


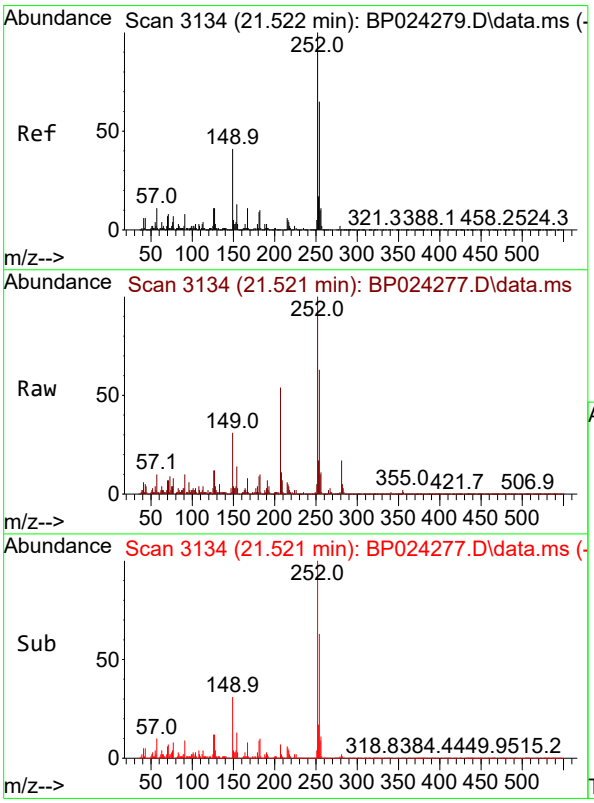
#81
Benzo(a)anthracene
Concen: 9.734 ng
RT: 21.598 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 854983

Ion	Ratio	Lower	Upper
228	100		
226	26.1	21.8	32.8
229	20.2	15.9	23.9

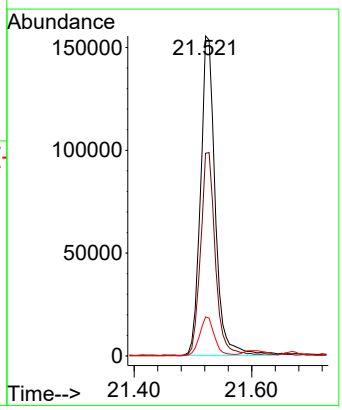


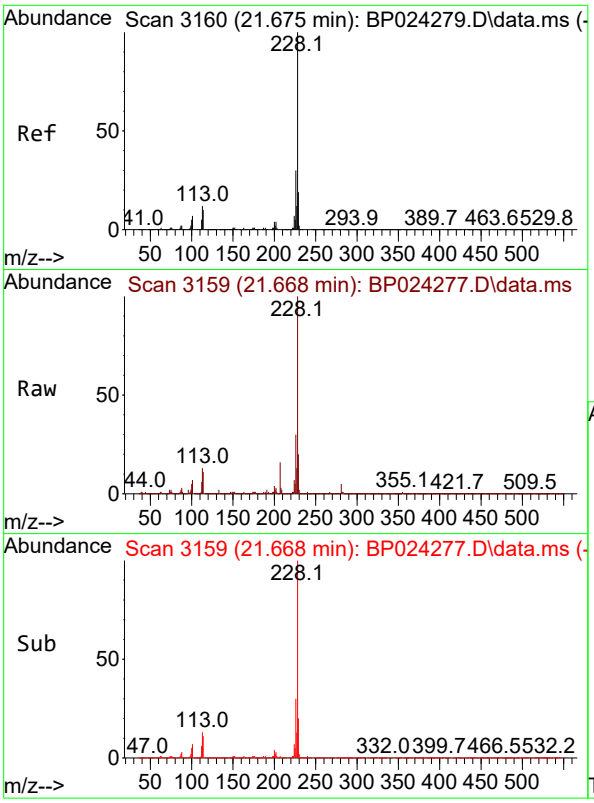


#82
3,3'-Dichlorobenzidine
Concen: 8.857 ng
RT: 21.521 min Scan# 3134
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:252 Resp: 269772

Ion	Ratio	Lower	Upper
252	100		
254	63.4	51.7	77.5
126	12.2	8.8	13.2



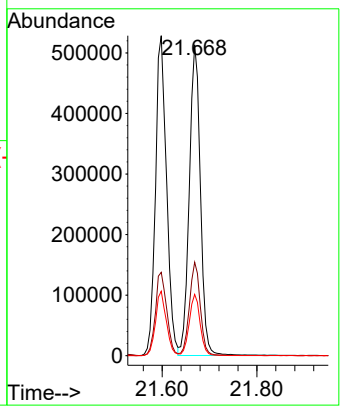


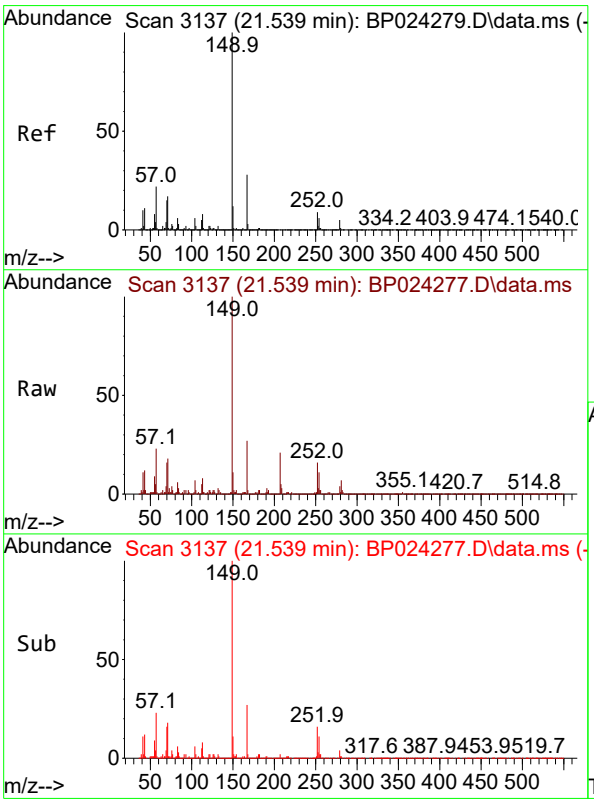
#83
Chrysene
Concen: 9.887 ng
RT: 21.668 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 832263

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.2	36.2
229	19.7	15.6	23.4

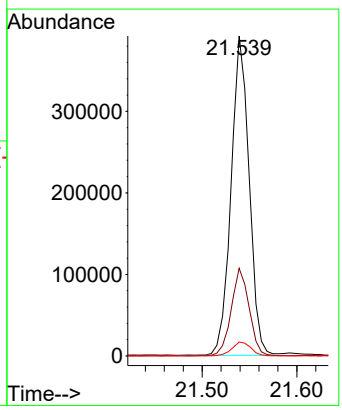


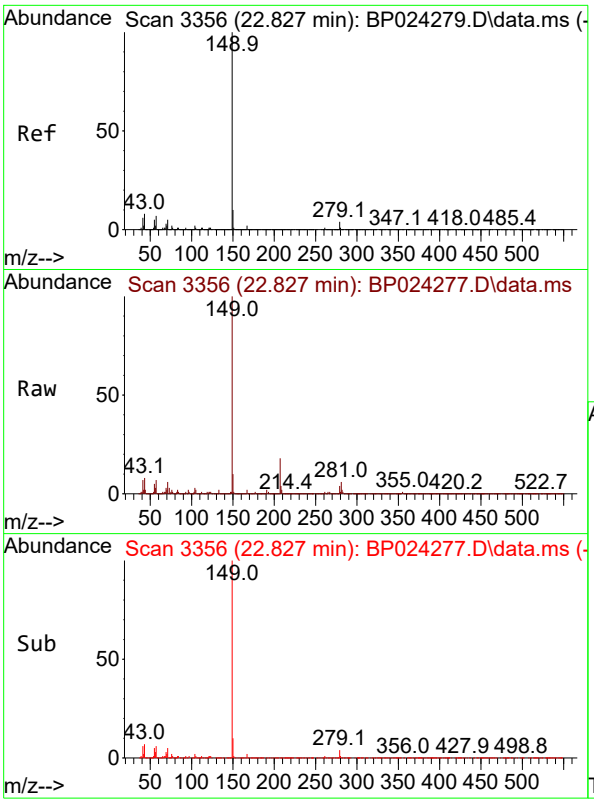


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.253 ng
RT: 21.539 min Scan# 3137
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:149 Resp: 517894

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.4	33.6
279	4.4	4.0	6.0



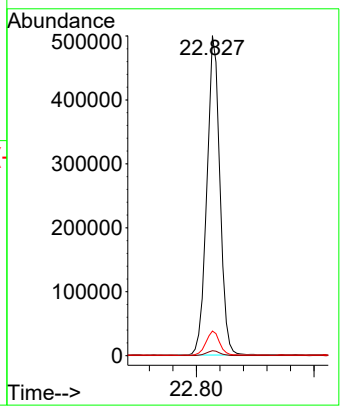


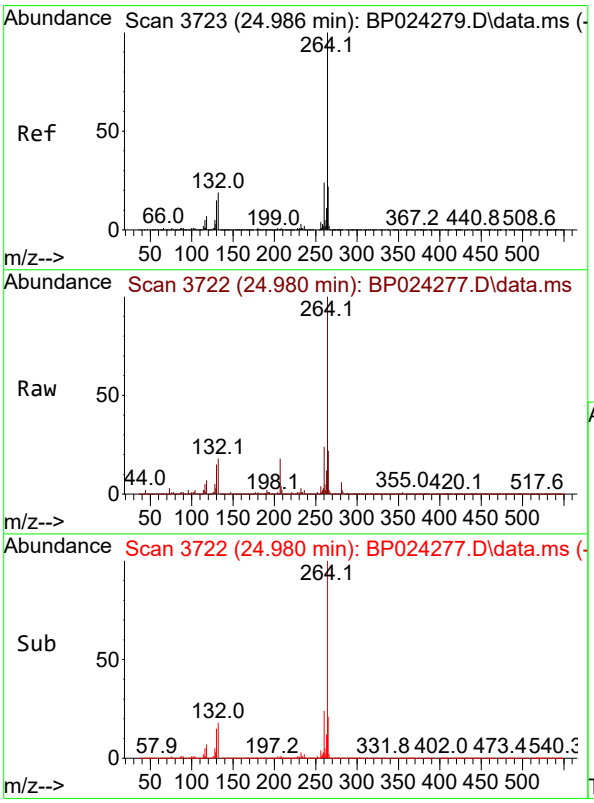
#85
Di-n-octyl phthalate
Concen: 8.584 ng
RT: 22.827 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 769654

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.9	6.0	9.0

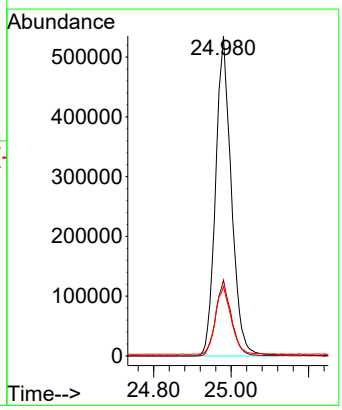


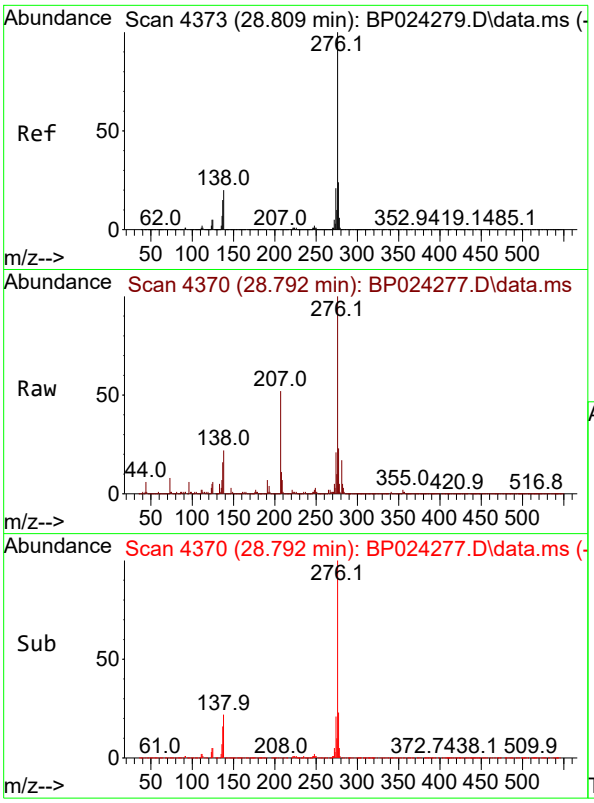


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.980 min Scan# 3722
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:264 Resp: 1508235

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	21.8	17.8	26.6



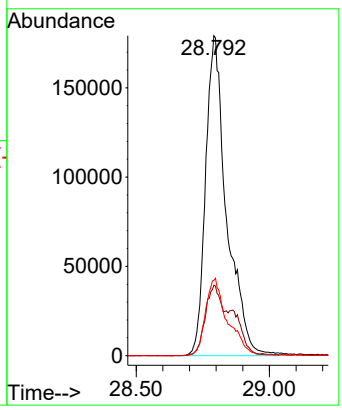


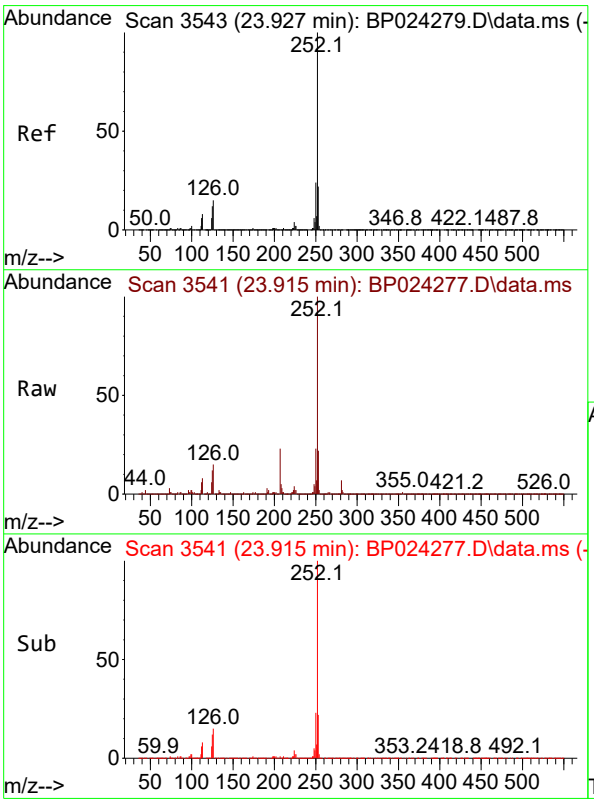
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.480 ng
RT: 28.792 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 983323

Ion	Ratio	Lower	Upper
276	100		
138	19.2	14.5	21.7
277	25.4	20.2	30.2

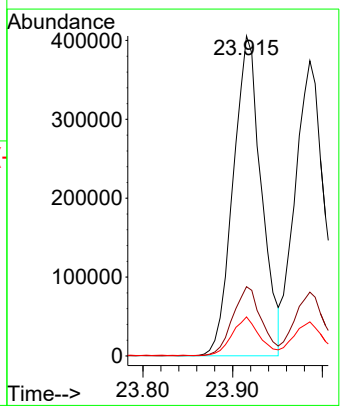


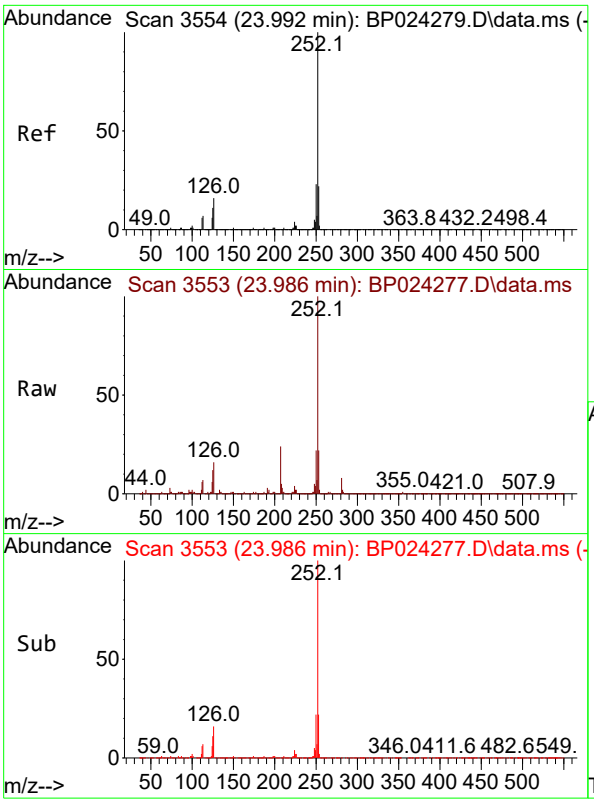


#88
Benzo(b)fluoranthene
Concen: 9.810 ng
RT: 23.915 min Scan# 3541
Delta R.T. -0.012 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:252 Resp: 885212

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	12.2	9.4	14.0



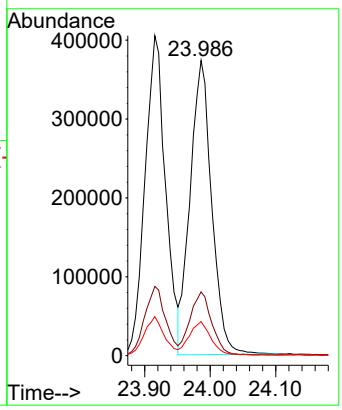


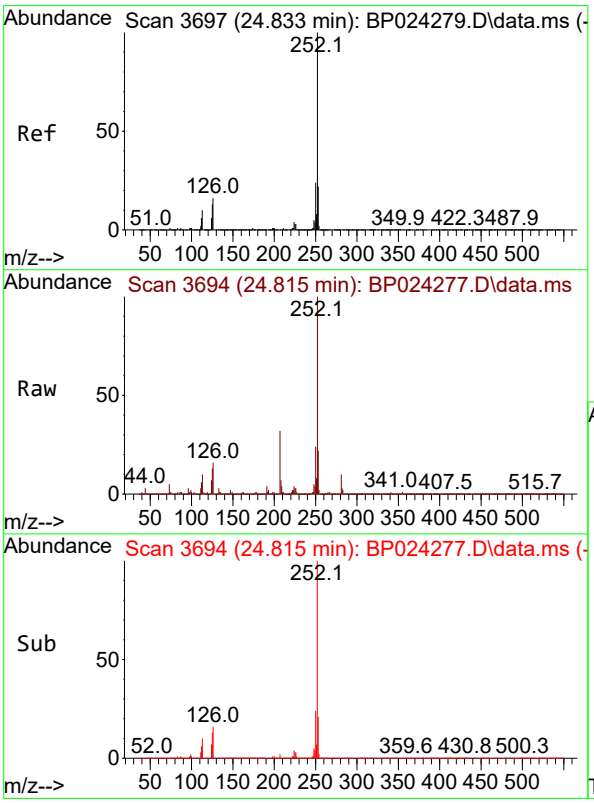
#89
Benzo(k)fluoranthene
Concen: 9.735 ng
RT: 23.986 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 852606

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	11.5	9.1	13.7

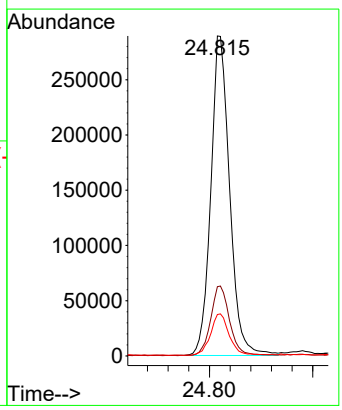


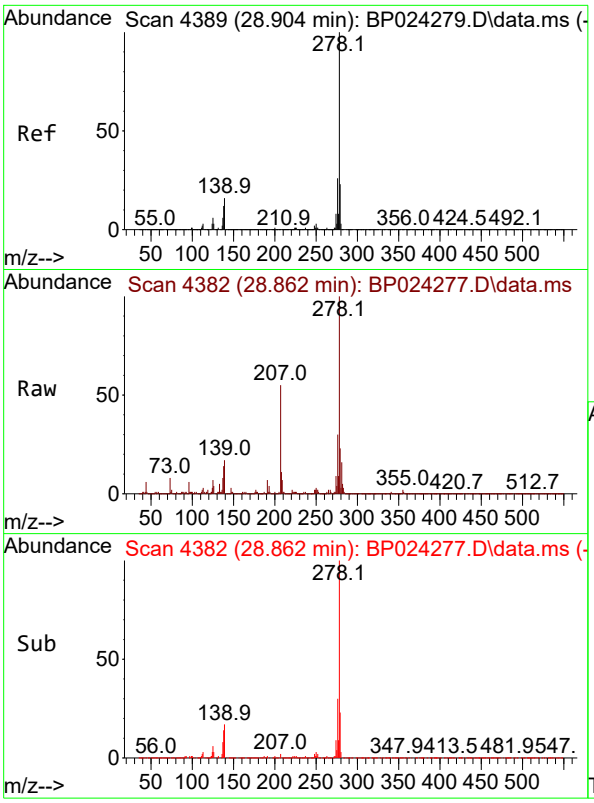


#90
Benzo(a)pyrene
Concen: 9.426 ng
RT: 24.815 min Scan# 3694
Delta R.T. -0.018 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:252 Resp: 732209

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	13.0	10.1	15.1



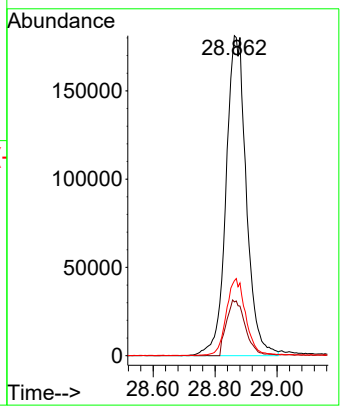


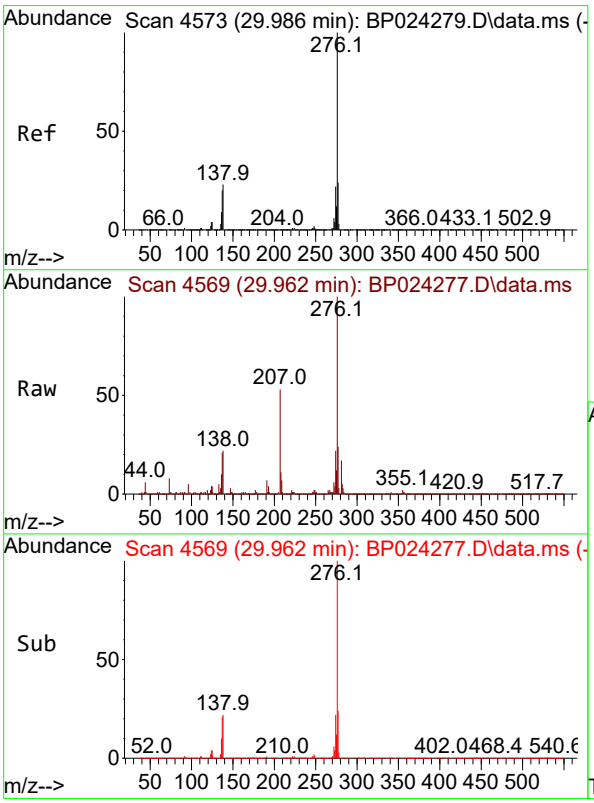
#91
Dibenzo(a,h)anthracene
Concen: 9.517 ng
RT: 28.862 min Scan# 4
Delta R.T. -0.041 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 821160

Ion	Ratio	Lower	Upper
278	100		
139	16.8	12.6	19.0
279	23.4	18.5	27.7

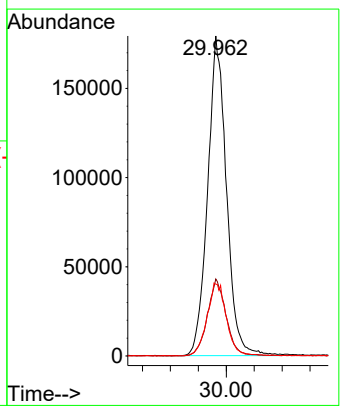




#92
Benzo(g,h,i)perylene
Concen: 9.530 ng
RT: 29.962 min Scan# 4569
Delta R.T. -0.024 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:276 Resp: 836993

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.9	28.3
138	22.5	18.7	28.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024278.D
Acq On : 14 Apr 2025 13:08
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: Apr 14 17:26:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	251998	20.000	ng	0.00
21) Naphthalene-d8	10.505	136	1081087	20.000	ng	0.00
39) Acenaphthene-d10	14.369	164	688775	20.000	ng	0.00
64) Phenanthrene-d10	17.169	188	1378480	20.000	ng	0.00
76) Chrysene-d12	21.616	240	1415765	20.000	ng	0.00
86) Perylene-d12	24.986	264	1549781	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	636245	41.668	ng	0.00
7) Phenol-d6	6.911	99	866004	41.458	ng	0.00
23) Nitrobenzene-d5	8.875	82	794485	41.839	ng	0.00
42) 2,4,6-Tribromophenol	15.875	330	383088	40.617	ng	0.00
45) 2-Fluorobiphenyl	12.975	172	1871534	41.254	ng	0.00
79) Terphenyl-d14	19.898	244	2987245	42.062	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.293	88	139222	21.358	ng	99
3) Pyridine	3.693	79	358370	21.120	ng	99
4) n-Nitrosodimethylamine	3.599	42	118077	20.869	ng	98
6) Aniline	7.069	93	412168	21.857	ng	99
8) 2-Chlorophenol	7.305	128	355815	20.852	ng	99
9) Benzaldehyde	6.881	77	237371	21.940	ng	100
10) Phenol	6.940	94	433531	20.670	ng	98
11) bis(2-Chloroethyl)ether	7.164	93	352530	20.800	ng	100
12) 1,3-Dichlorobenzene	7.622	146	386470	20.903	ng	100
13) 1,4-Dichlorobenzene	7.763	146	390483	20.828	ng	100
14) 1,2-Dichlorobenzene	8.081	146	378518	20.880	ng	99
15) Benzyl Alcohol	7.969	79	278608	20.809	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.258	45	382308	20.734	ng	99
17) 2-Methylphenol	8.175	107	283057	20.942	ng	99
18) Hexachloroethane	8.805	117	140558	20.773	ng	99
19) n-Nitroso-di-n-propyla...	8.528	70	274118	21.127	ng	100
20) 3+4-Methylphenols	8.499	107	393131	20.999	ng	99
22) Acetophenone	8.546	105	563994	20.991	ng	99
24) Nitrobenzene	8.916	77	390911	20.770	ng	98
25) Isophorone	9.446	82	705771	20.588	ng	98
26) 2-Nitrophenol	9.628	139	185740	20.553	ng	99
27) 2,4-Dimethylphenol	9.687	122	236436	20.643	ng	98
28) bis(2-Chloroethoxy)met...	9.916	93	480036	20.575	ng	100
29) 2,4-Dichlorophenol	10.163	162	320579	20.536	ng	99
30) 1,2,4-Trichlorobenzene	10.369	180	343641	20.348	ng	99
31) Naphthalene	10.557	128	1179848	20.618	ng	100
32) Benzoic acid	9.805	122	244213m	19.731	ng	
33) 4-Chloroaniline	10.669	127	420086	21.010	ng	100
34) Hexachlorobutadiene	10.846	225	200785	20.267	ng	99
35) Caprolactam	11.446	113	119912	20.922	ng	98
36) 4-Chloro-3-methylphenol	11.799	107	377768	20.767	ng	99
37) 2-Methylnaphthalene	12.169	142	816314	20.583	ng	100
38) 1-Methylnaphthalene	12.387	142	796550	20.503	ng	100
40) 1,2,4,5-Tetrachloroben...	12.540	216	391241	20.669	ng	100
41) Hexachlorocyclopentadiene	12.522	237	135654	20.414	ng	97
43) 2,4,6-Trichlorophenol	12.787	196	254189	20.410	ng	97

ICAL Form

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Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: Apr 14 17:26:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

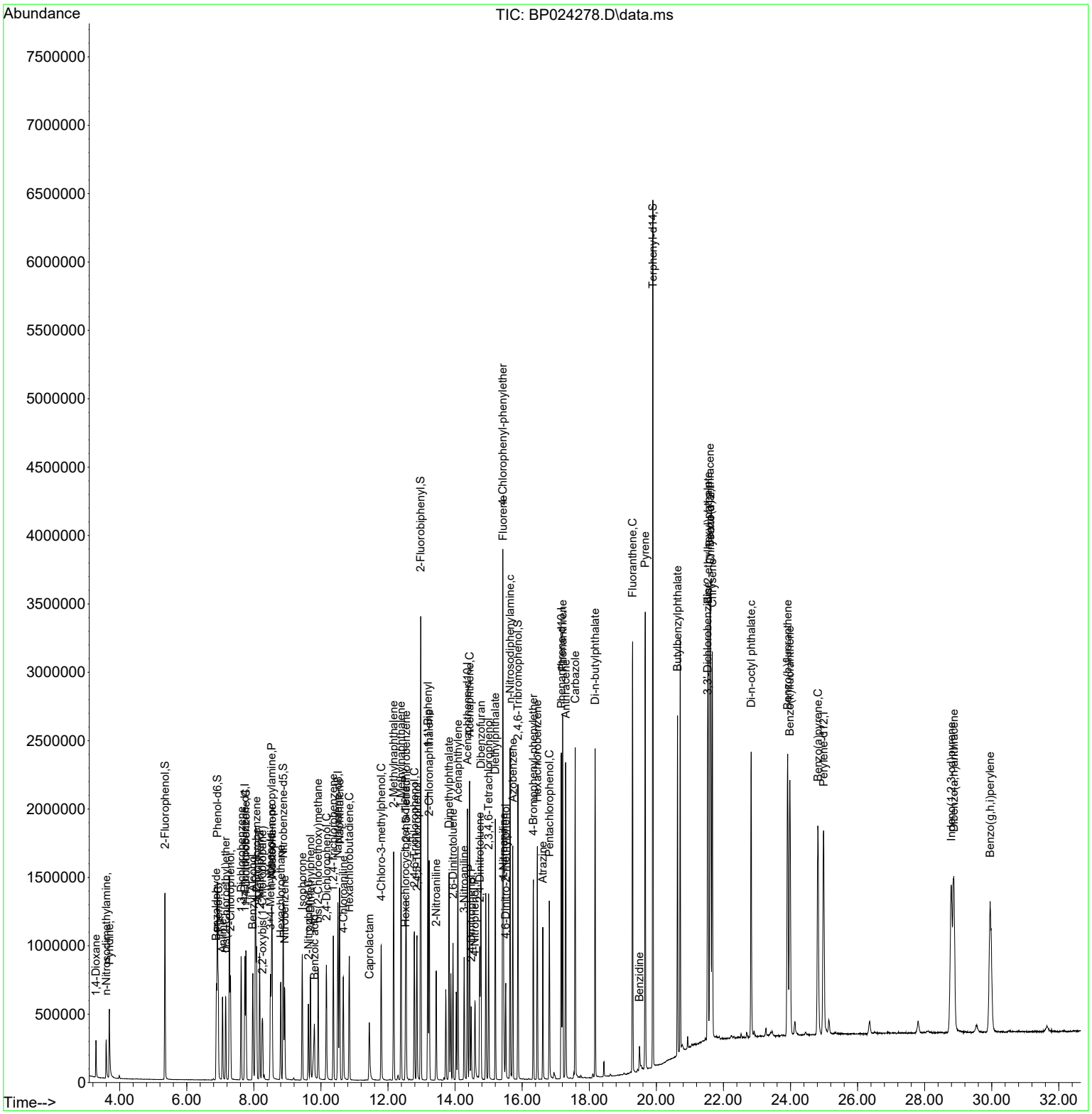
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.863	196	281887	20.424	ng	99
46) 1,1'-Biphenyl	13.187	154	1052618	20.694	ng	100
47) 2-Chloronaphthalene	13.228	162	782040	20.603	ng	99
48) 2-Nitroaniline	13.440	65	218194	20.811	ng	99
49) Acenaphthylene	14.087	152	1234728	20.726	ng	99
50) Dimethylphthalate	13.822	163	1029599	20.489	ng	100
51) 2,6-Dinitrotoluene	13.940	165	219492	20.731	ng	98
52) Acenaphthene	14.434	154	785789	20.741	ng	99
53) 3-Nitroaniline	14.269	138	233006	21.212	ng	99
54) 2,4-Dinitrophenol	14.481	184	112157	19.785	ng	94
55) Dibenzofuran	14.769	168	1288363	20.735	ng	99
56) 4-Nitrophenol	14.593	139	199315	21.109	ng	99
57) 2,4-Dinitrotoluene	14.734	165	302332	21.126	ng	98
58) Fluorene	15.428	166	1001515	20.876	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.998	232	262077	20.523	ng	99
60) Diethylphthalate	15.198	149	1052183	20.344	ng	100
61) 4-Chlorophenyl-phenyle...	15.422	204	481631	20.675	ng	98
62) 4-Nitroaniline	15.445	138	243257	20.888	ng	96
63) Azobenzene	15.722	77	995912	20.907	ng	100
65) 4,6-Dinitro-2-methylph...	15.510	198	162501	20.176	ng	98
66) n-Nitrosodiphenylamine	15.640	169	849476	20.552	ng	100
67) 4-Bromophenyl-phenylether	16.334	248	302601	20.125	ng	99
68) Hexachlorobenzene	16.451	284	358889	20.077	ng	100
69) Atrazine	16.616	200	184151	17.573	ng	98
70) Pentachlorophenol	16.810	266	241815	19.702	ng	98
71) Phenanthrene	17.210	178	1540112	20.378	ng	100
72) Anthracene	17.298	178	1494006	20.543	ng	99
73) Carbazole	17.581	167	1461729	20.653	ng	100
74) Di-n-butylphthalate	18.175	149	1727074	19.585	ng	100
75) Fluoranthene	19.292	202	1813662	20.218	ng	99
77) Benzidine	19.498	184	154964	8.867	ng	99
78) Pyrene	19.669	202	1904884	21.028	ng	99
80) Butylbenzylphthalate	20.633	149	772776	20.235	ng	96
81) Benzo(a)anthracene	21.598	228	1829798	20.732	ng	99
82) 3,3'-Dichlorobenzidine	21.527	252	610749	19.956	ng	99
83) Chrysene	21.669	228	1739548	20.565	ng	99
84) Bis(2-ethylhexyl)phtha...	21.545	149	1103263	19.616	ng	99
85) Di-n-octyl phthalate	22.827	149	1730436	19.207	ng	100
87) Indeno(1,2,3-cd)pyrene	28.792	276	2180177	20.454	ng	99
88) Benzo(b)fluoranthene	23.916	252	1885654	20.337	ng	99
89) Benzo(k)fluoranthene	23.980	252	1885747	20.955	ng	99
90) Benzo(a)pyrene	24.816	252	1637648	20.518	ng	98
91) Dibenzo(a,h)anthracene	28.868	278	1815743	20.480	ng	98
92) Benzo(g,h,i)perylene	29.951	276	1856380	20.571	ng	99

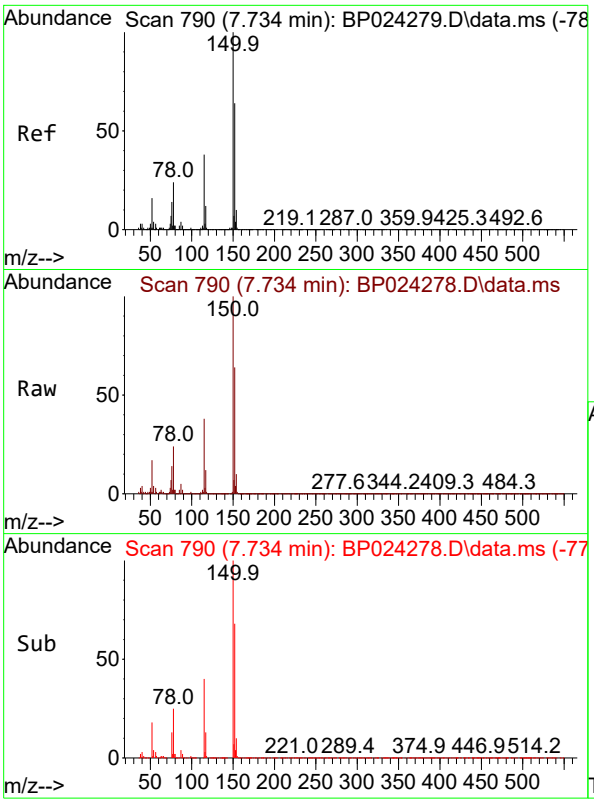
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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024278.D
Acq On : 14 Apr 2025 13:08
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Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
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Quant Time: Apr 14 17:26:39 2025
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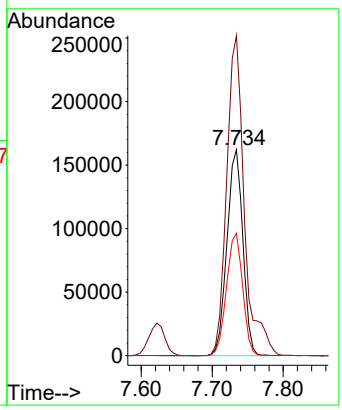


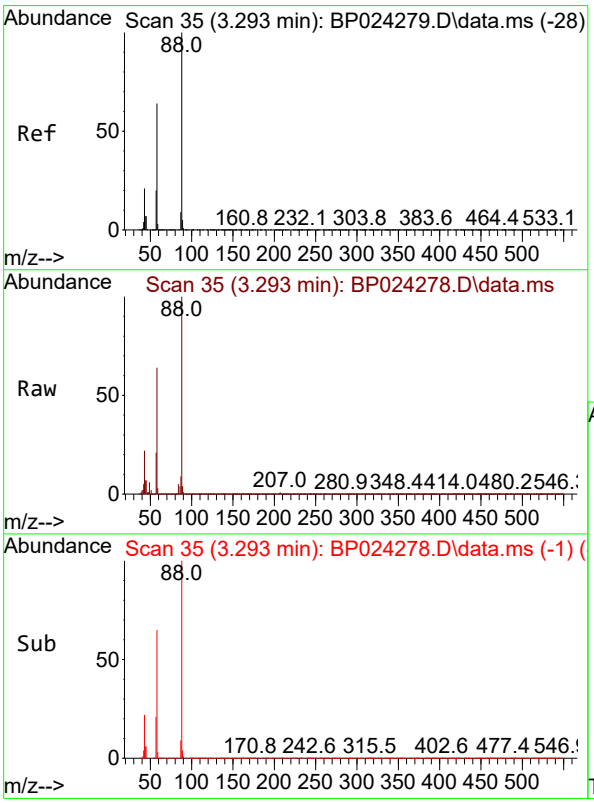
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 251998

Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.9	187.3
115	59.4	47.7	71.5

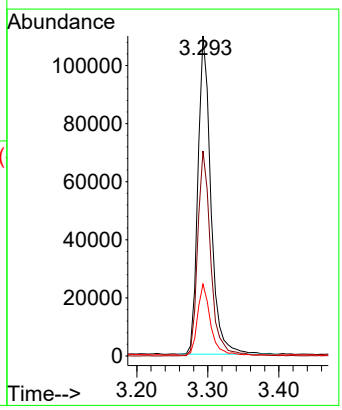


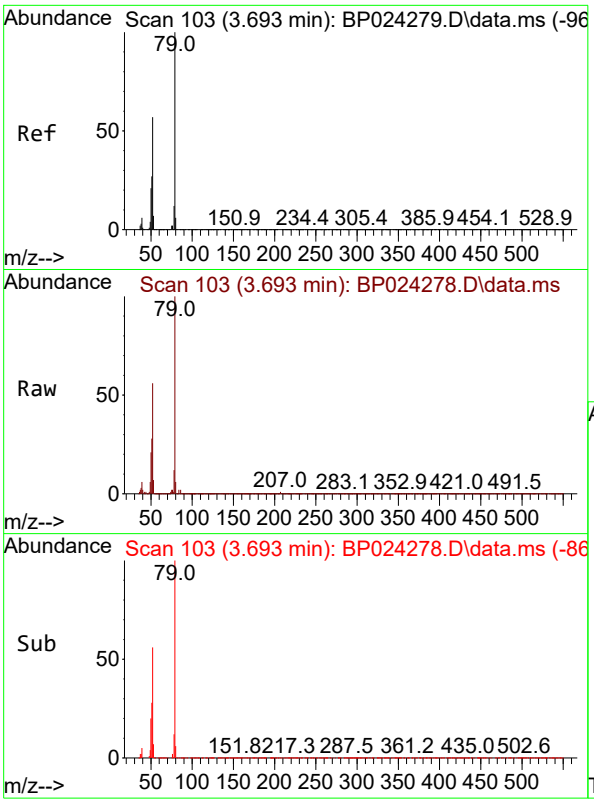


#2
1,4-Dioxane
Concen: 21.358 ng
RT: 3.293 min Scan# 35
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 88 Resp: 139222

Ion	Ratio	Lower	Upper
88	100		
58	64.8	51.4	77.2
43	22.2	17.1	25.7



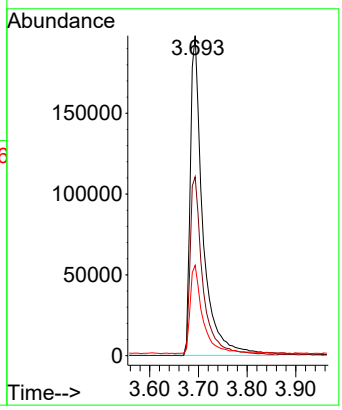


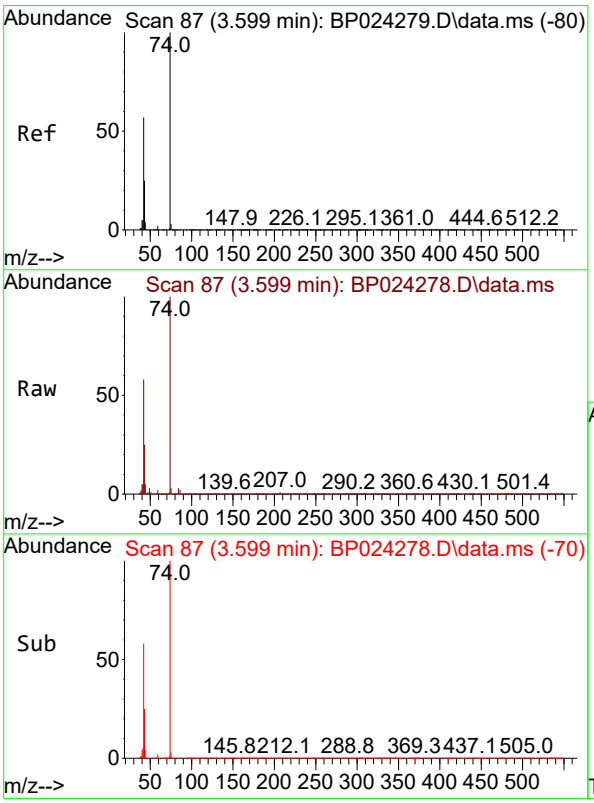
#3
Pyridine
Concen: 21.120 ng
RT: 3.693 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 358370

Ion	Ratio	Lower	Upper
79	100		
52	55.9	45.4	68.2
51	28.3	22.6	33.8

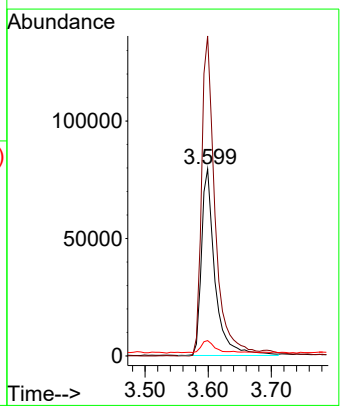


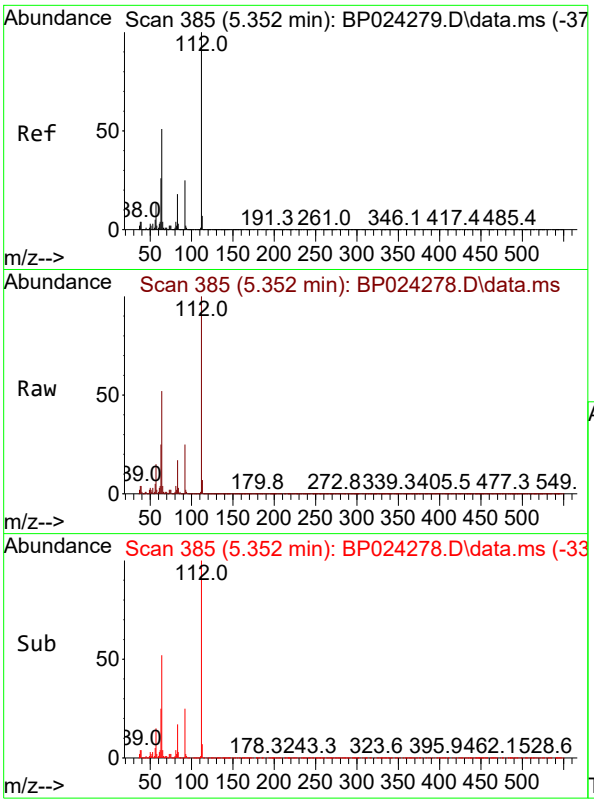


#4
n-Nitrosodimethylamine
Concen: 20.869 ng
RT: 3.599 min Scan# 87
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 42 Resp: 118077

Ion	Ratio	Lower	Upper
42	100		
74	171.1	139.5	209.3
44	8.3	5.8	8.8



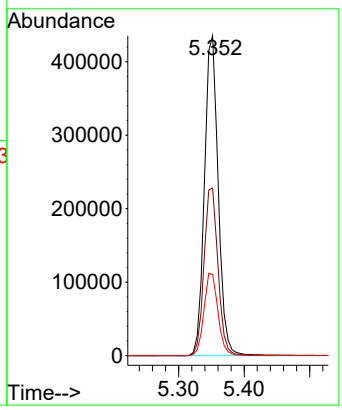


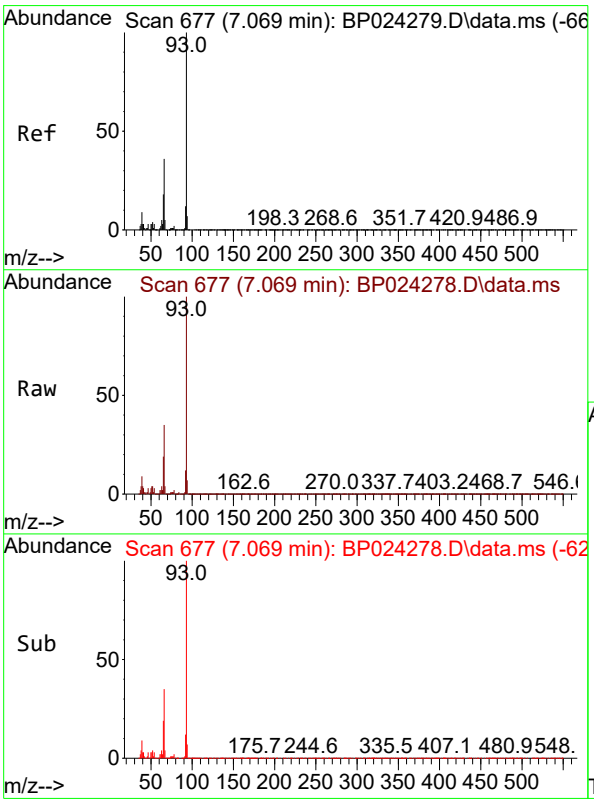
#5
2-Fluorophenol
Concen: 41.668 ng
RT: 5.352 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 636245

Ion	Ratio	Lower	Upper
112	100		
64	52.4	41.1	61.7
63	25.4	20.6	30.8

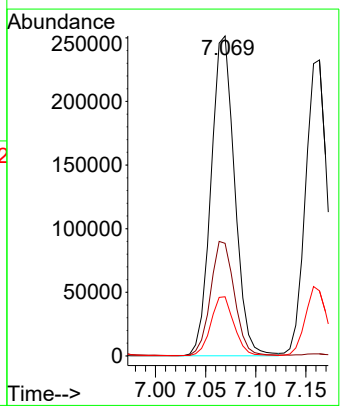


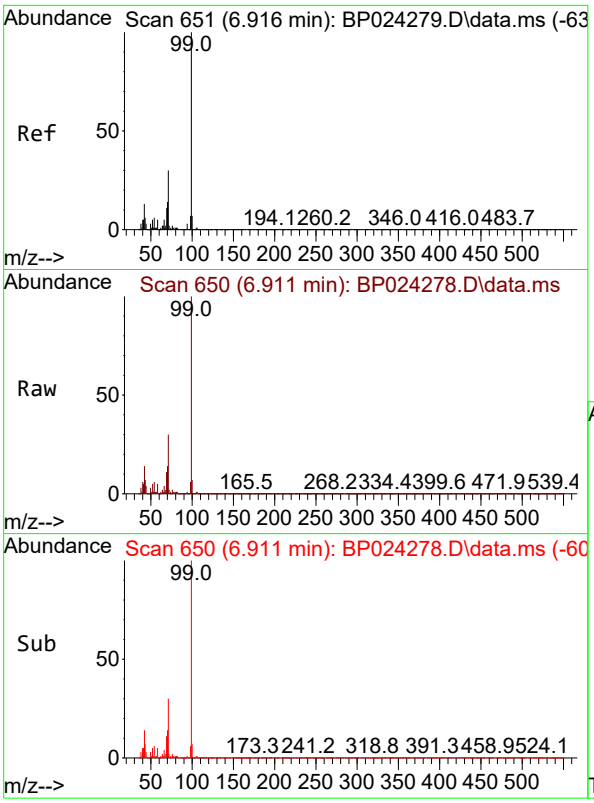


#6
Aniline
Concen: 21.857 ng
RT: 7.069 min Scan# 677
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 93 Resp: 412168

Ion	Ratio	Lower	Upper
93	100		
66	35.2	29.1	43.7
65	18.5	14.7	22.1



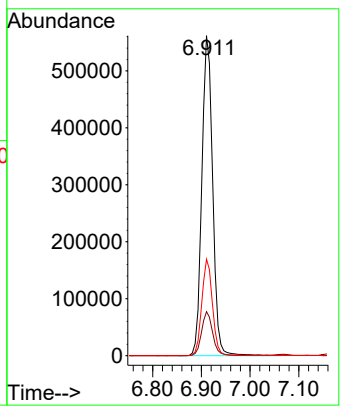


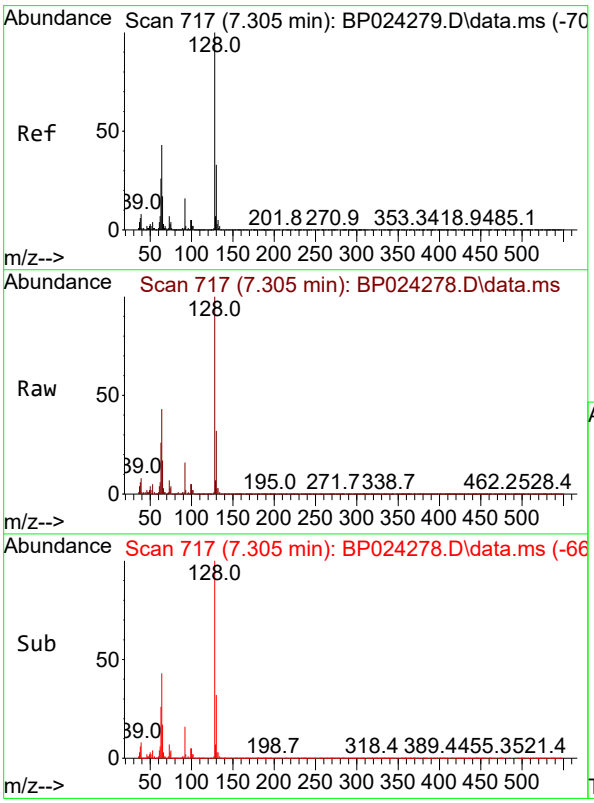
#7
Phenol-d6
Concen: 41.458 ng
RT: 6.911 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 866004

Ion	Ratio	Lower	Upper
99	100		
42	13.7	10.6	16.0
71	30.2	23.7	35.5

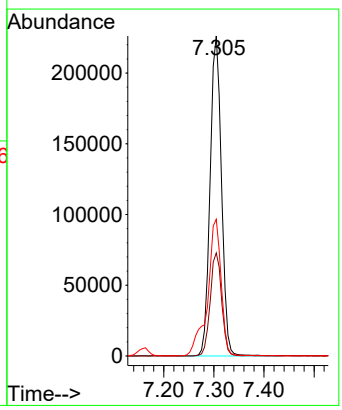


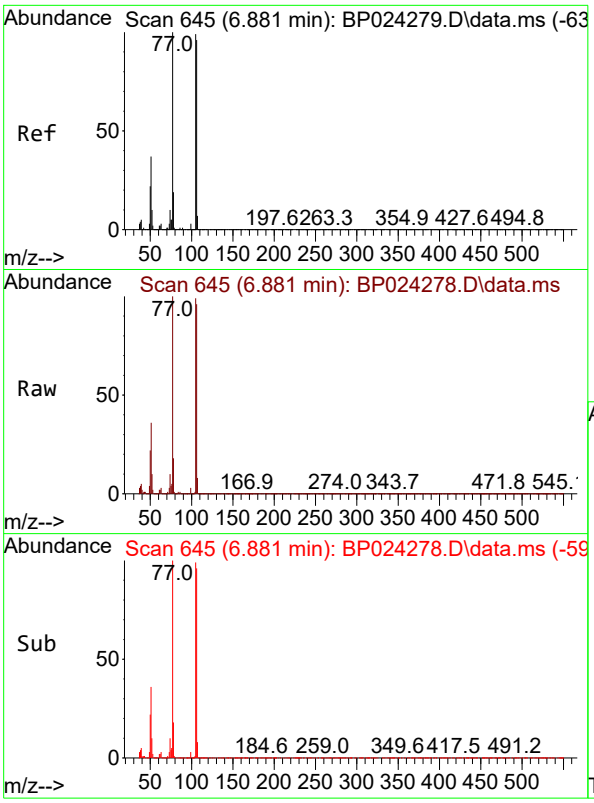


#8
2-Chlorophenol
Concen: 20.852 ng
RT: 7.305 min Scan# 717
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:128 Resp: 355815

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.9	52.9
64	42.7	22.7	62.7



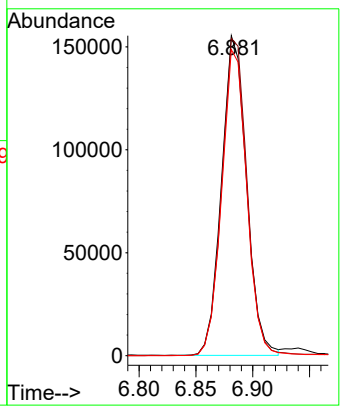


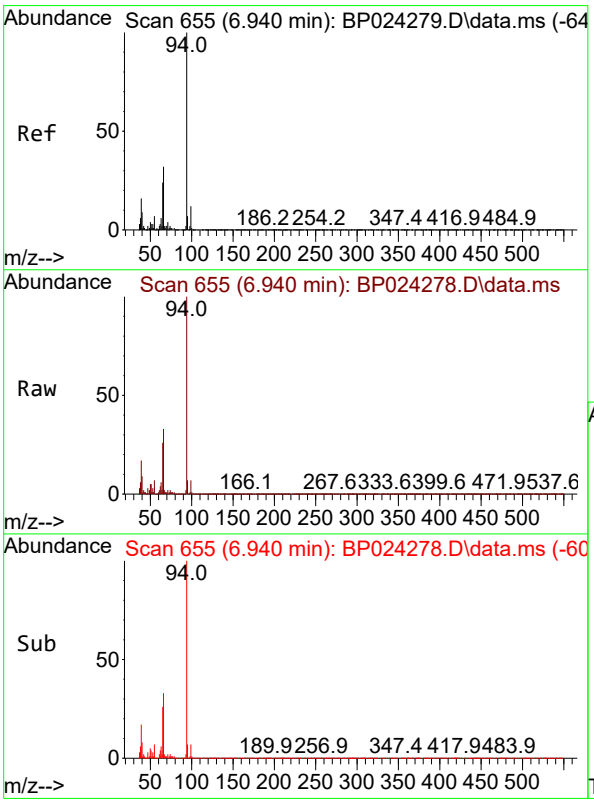
#9
Benzaldehyde
Concen: 21.940 ng
RT: 6.881 min Scan# 64
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 237371

Ion	Ratio	Lower	Upper
77	100		
105	99.1	79.2	119.2
106	95.6	76.2	116.2

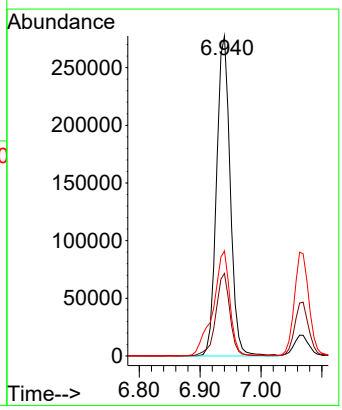


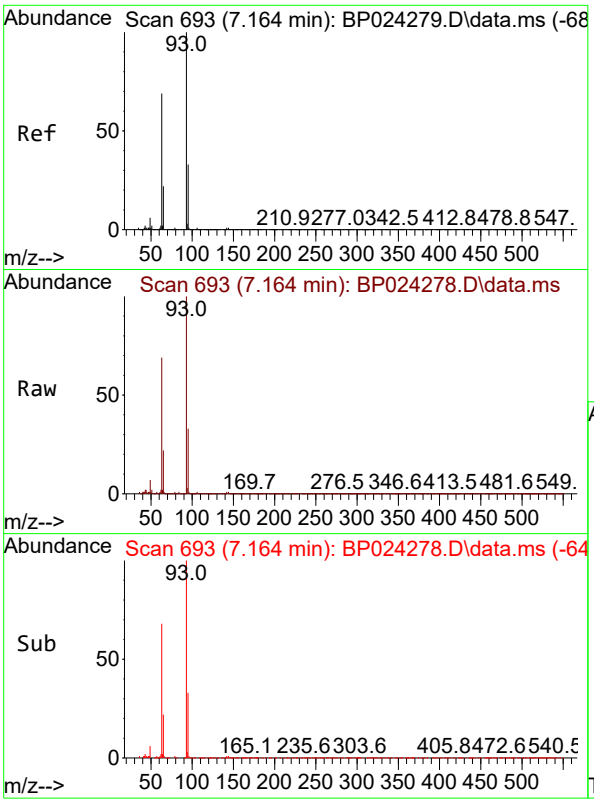


#10
Phenol
Concen: 20.670 ng
RT: 6.940 min Scan# 655
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 94 Resp: 433531

Ion	Ratio	Lower	Upper
94	100		
65	25.8	4.5	44.5
66	32.8	12.4	52.4



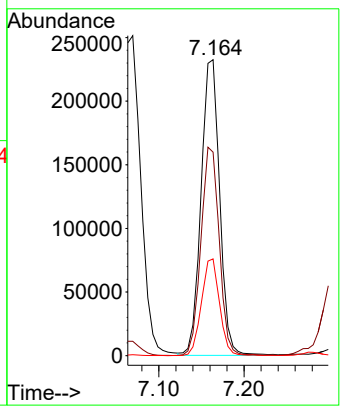


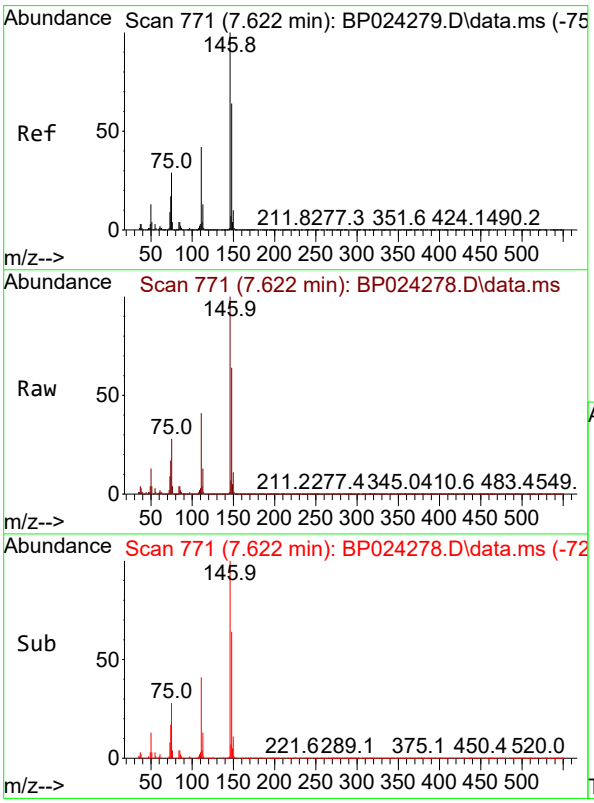
#11
bis(2-Chloroethyl)ether
Concen: 20.800 ng
RT: 7.164 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 352530

Ion	Ratio	Lower	Upper
93	100		
63	68.7	48.6	88.6
95	32.7	12.3	52.3

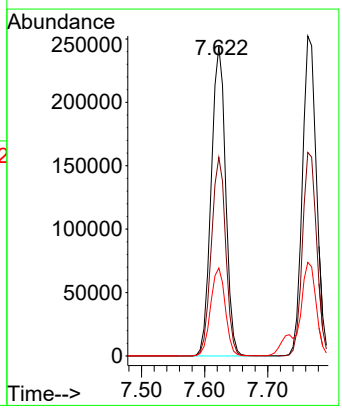


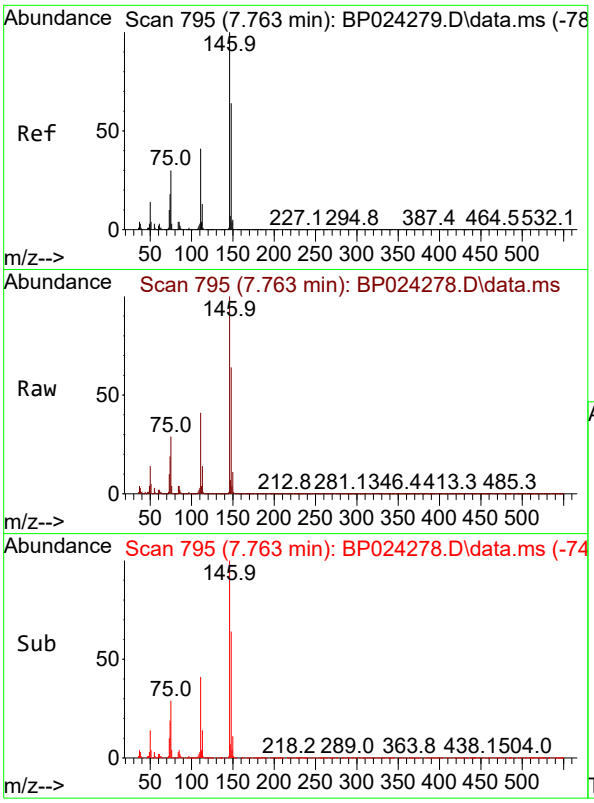


#12
1,3-Dichlorobenzene
Concen: 20.903 ng
RT: 7.622 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:146 Resp: 386470

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.4	77.0
75	28.4	22.9	34.3



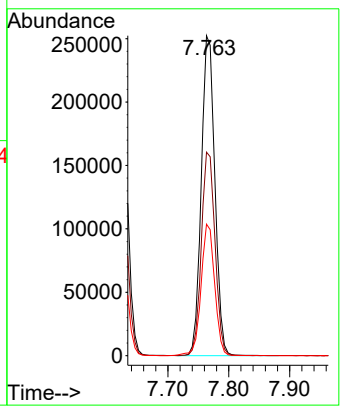


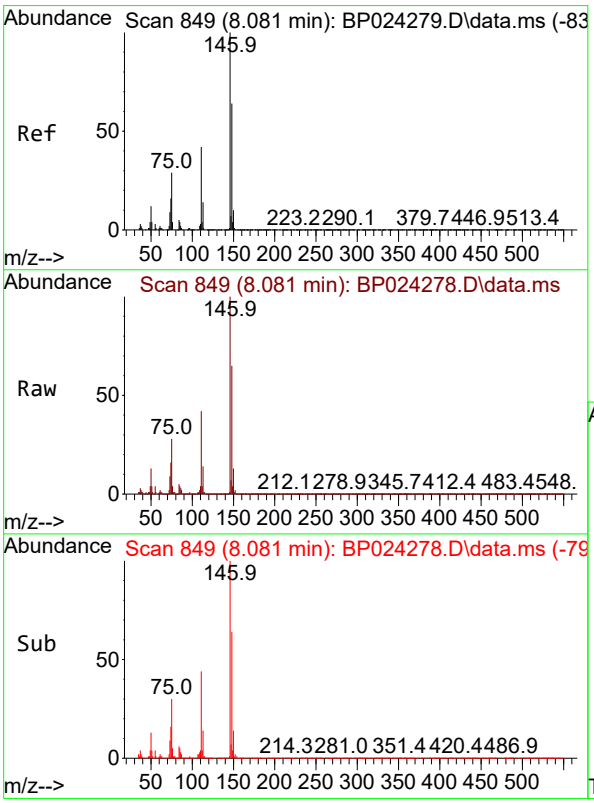
#13
1,4-Dichlorobenzene
Concen: 20.828 ng
RT: 7.763 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 390483

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.1	76.7
111	41.1	32.6	48.8

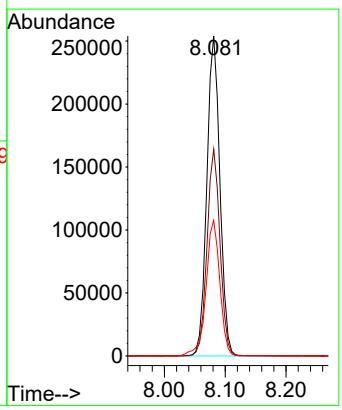


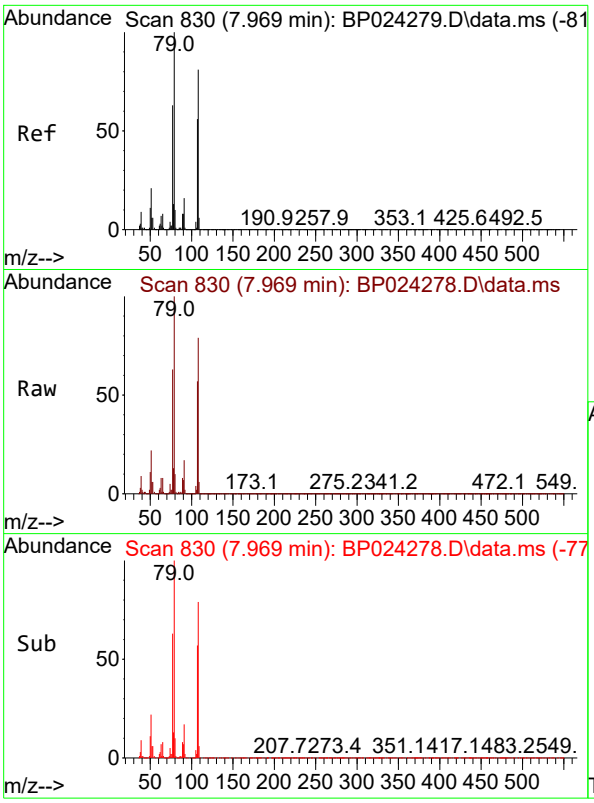


#14
1,2-Dichlorobenzene
Concen: 20.880 ng
RT: 8.081 min Scan# 849
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:146 Resp: 378518

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.0	76.4
111	42.3	33.8	50.8



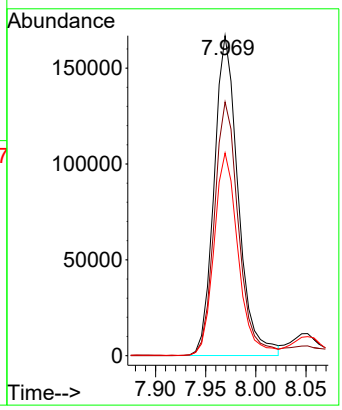


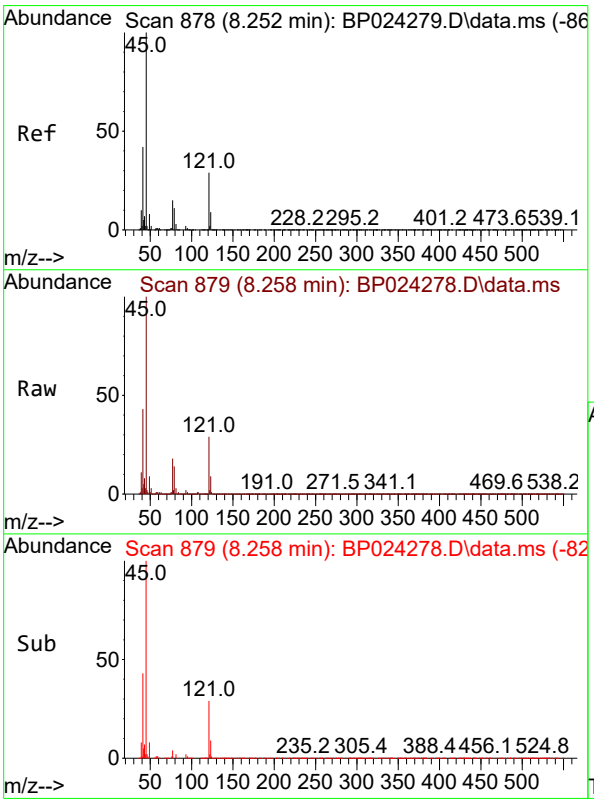
#15
Benzyl Alcohol
Concen: 20.809 ng
RT: 7.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 278608

Ion	Ratio	Lower	Upper
79	100		
108	79.3	65.1	97.7
77	63.4	50.7	76.1

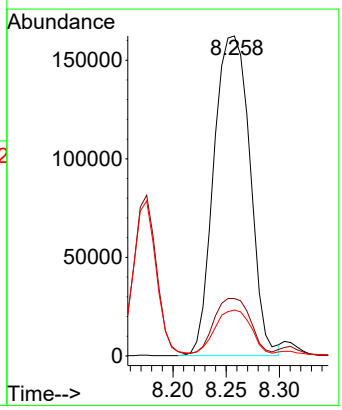


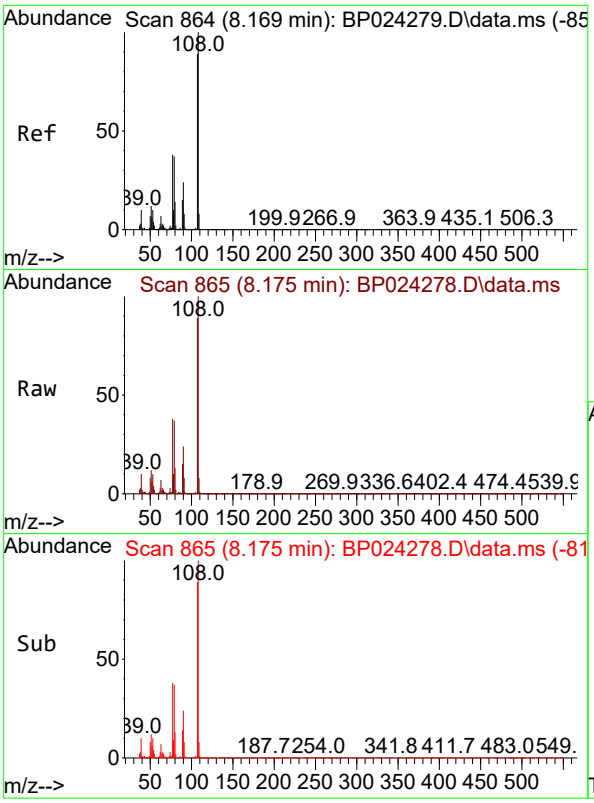


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.734 ng
RT: 8.258 min Scan# 879
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 45 Resp: 382308

Ion	Ratio	Lower	Upper
45	100		
77	18.0	0.0	37.7
79	14.4	0.0	33.5



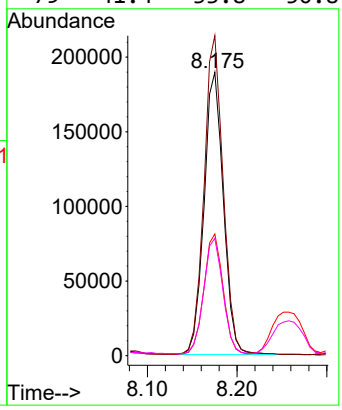


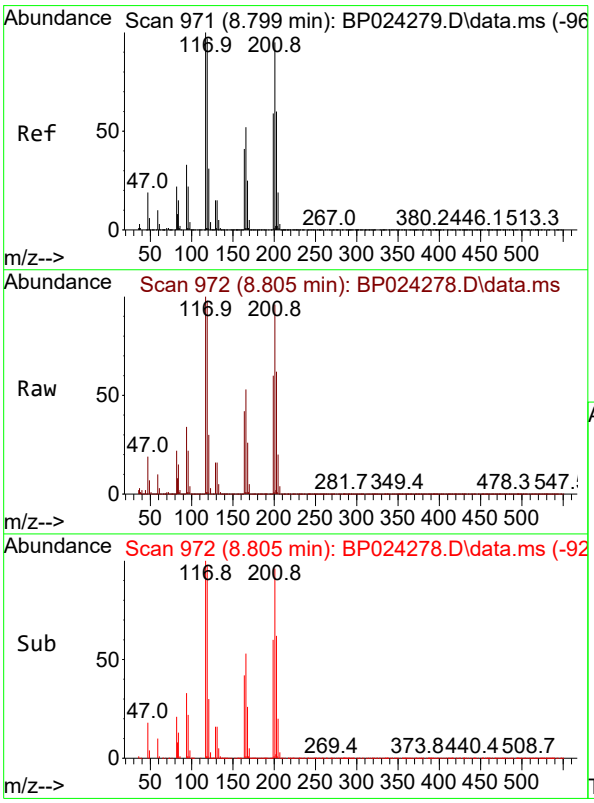
#17
2-Methylphenol
Concen: 20.942 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 283057

Ion	Ratio	Lower	Upper
107	100		
108	112.9	89.8	134.6
77	43.0	34.2	51.4
79	41.4	33.8	50.8

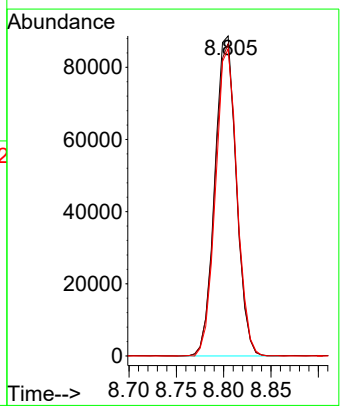


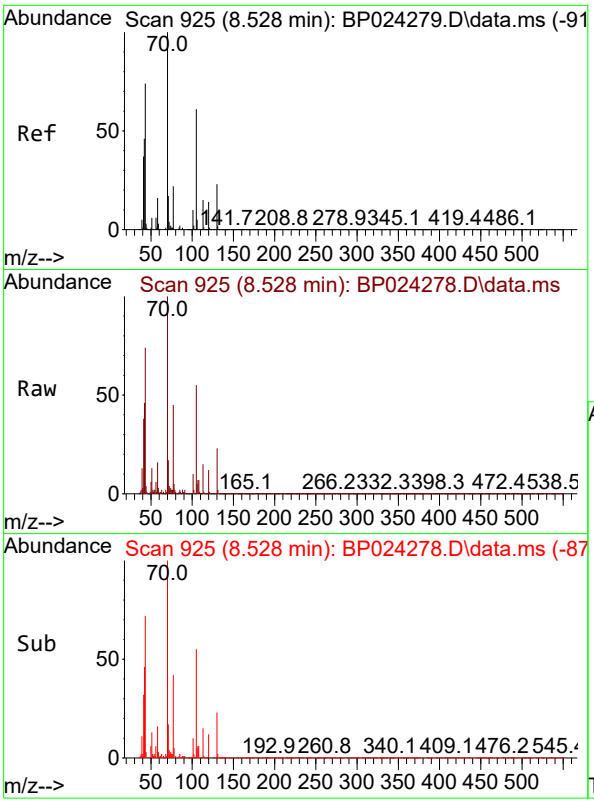


#18
Hexachloroethane
Concen: 20.773 ng
RT: 8.805 min Scan# 972
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:117 Resp: 140558

Ion	Ratio	Lower	Upper
117	100		
119	97.5	77.8	116.6
201	96.0	75.9	113.9



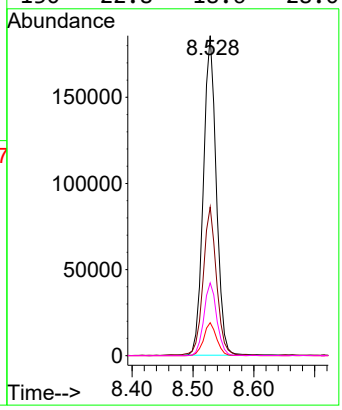


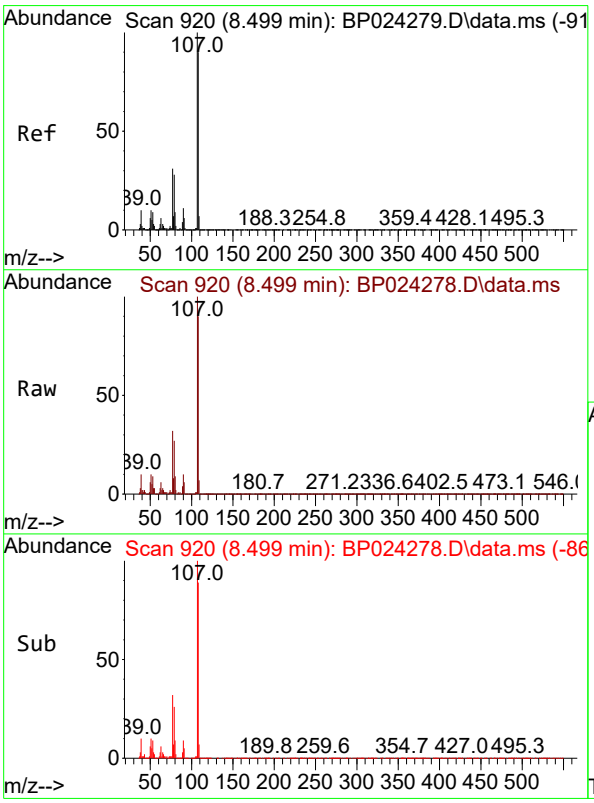
#19
n-Nitroso-di-n-propylamine
Concen: 21.127 ng
RT: 8.528 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 274118

Ion	Ratio	Lower	Upper
70	100		
42	46.5	37.3	55.9
101	10.3	8.2	12.4
130	22.8	18.6	28.0

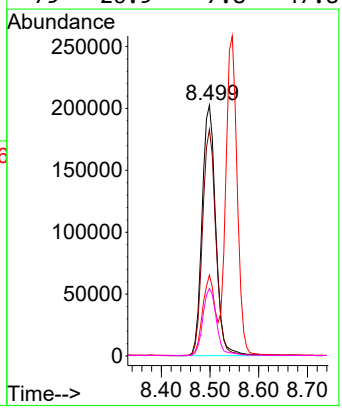


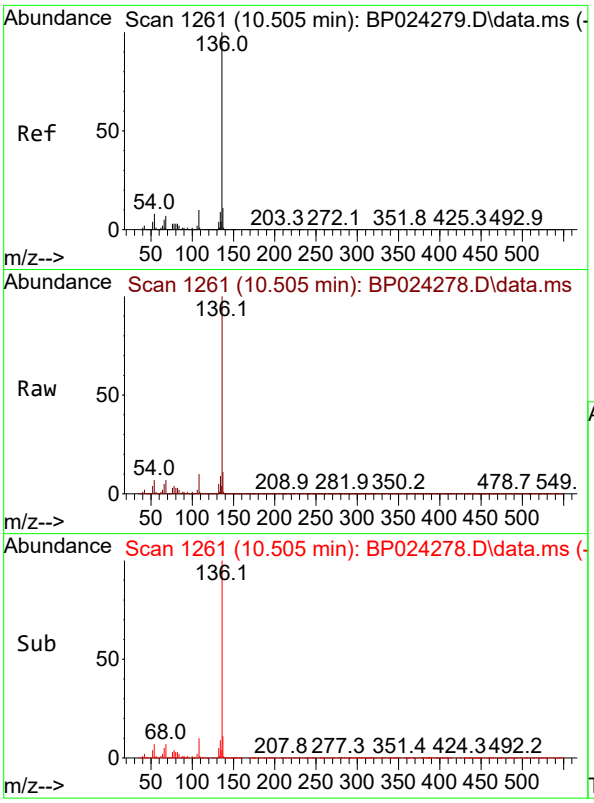


#20
3+4-Methylphenols
Concen: 20.999 ng
RT: 8.499 min Scan# 920
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:107 Resp: 393131

Ion	Ratio	Lower	Upper
107	100		
108	90.3	69.8	109.8
77	32.3	11.5	51.5
79	26.9	7.8	47.8



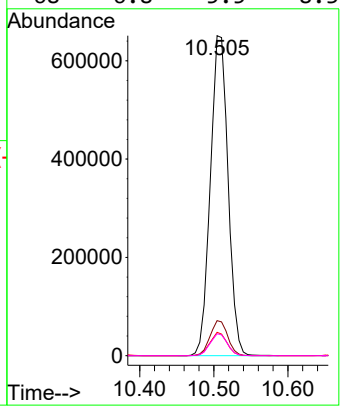


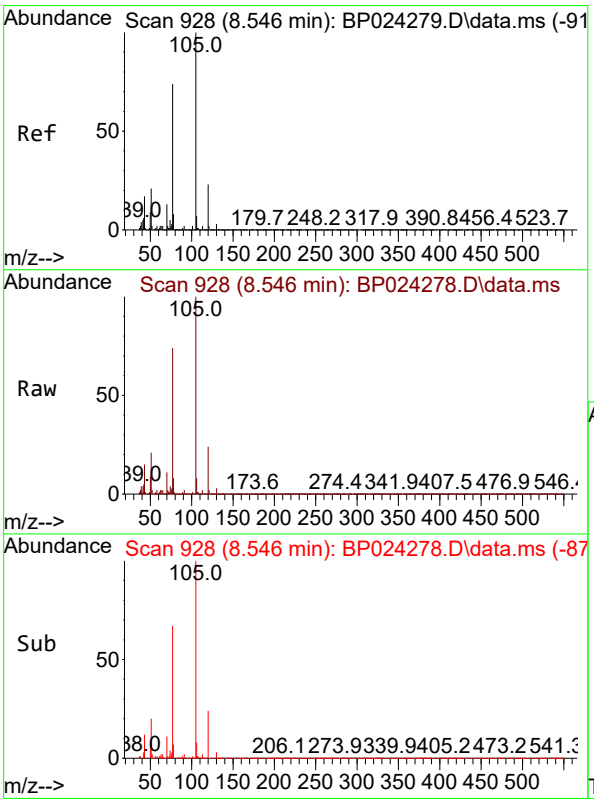
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 1081087

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.3	6.0	9.0
68	6.8	5.5	8.3

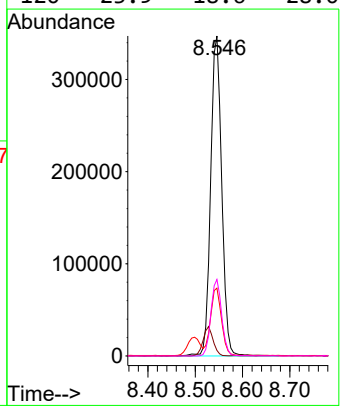


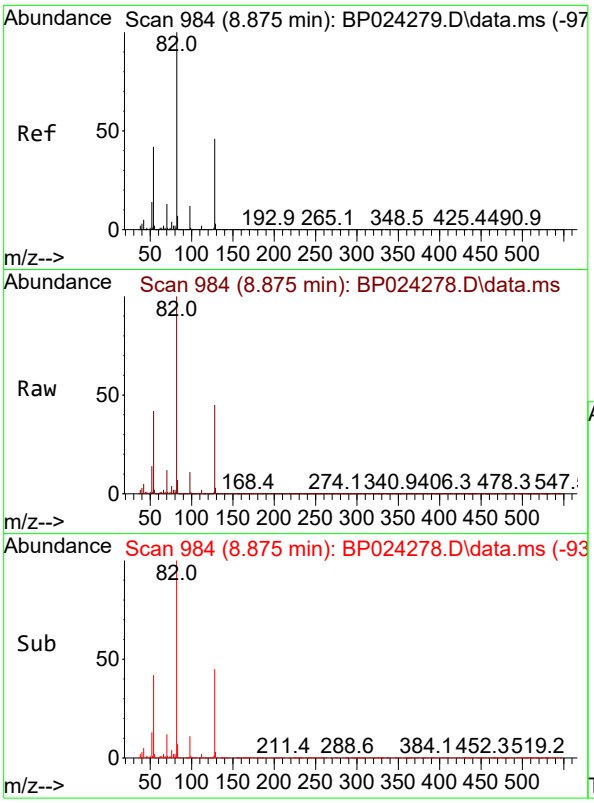


#22
Acetophenone
Concen: 20.991 ng
RT: 8.546 min Scan# 928
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:105 Resp: 563994

Ion	Ratio	Lower	Upper
105	100		
71	1.7	1.7	2.5
51	21.2	16.9	25.3
120	23.9	18.6	28.0



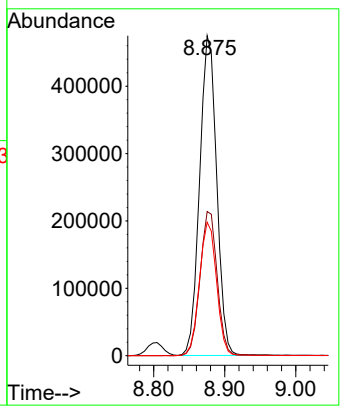


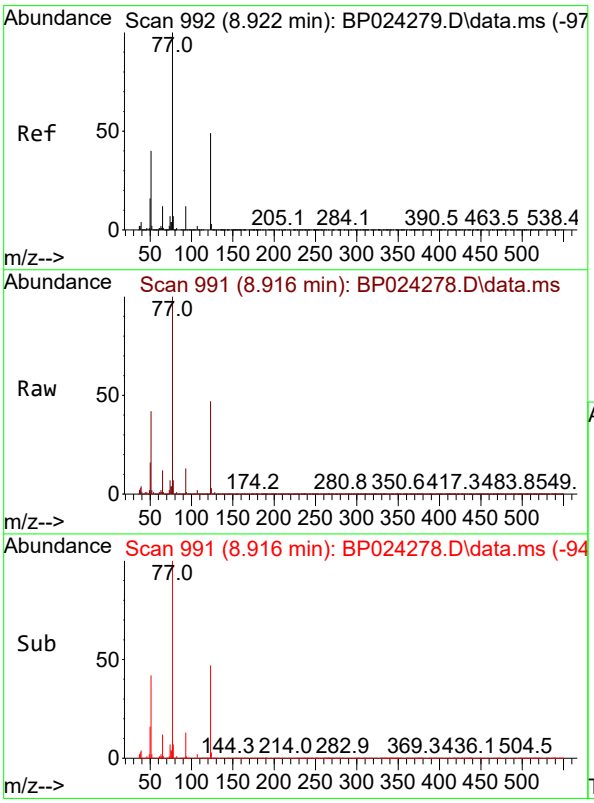
#23
Nitrobenzene-d5
Concen: 41.839 ng
RT: 8.875 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 794485

Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.5	54.7
54	41.7	33.4	50.2

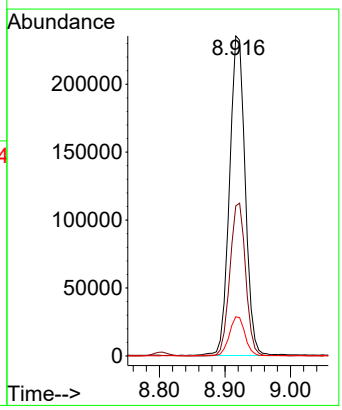


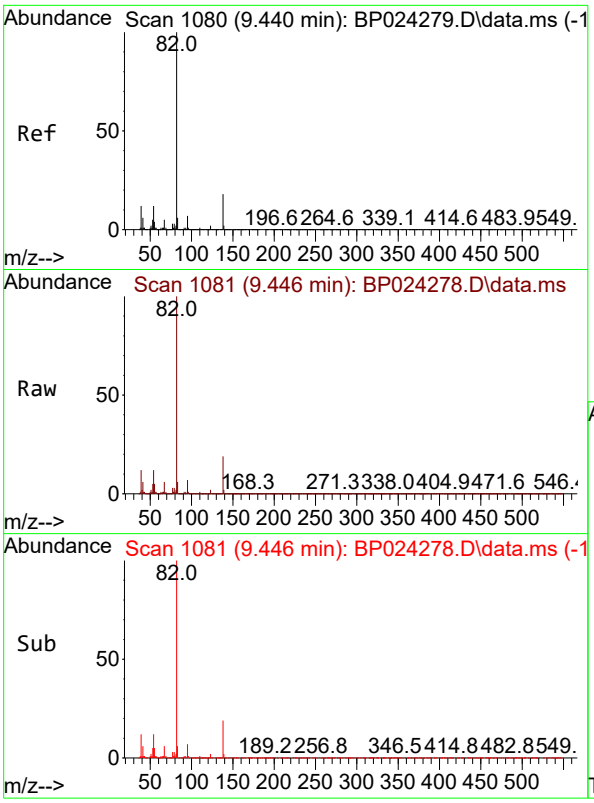


#24
Nitrobenzene
Concen: 20.770 ng
RT: 8.916 min Scan# 991
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 77 Resp: 390911

Ion	Ratio	Lower	Upper
77	100		
123	46.9	39.2	58.8
65	12.3	9.8	14.6



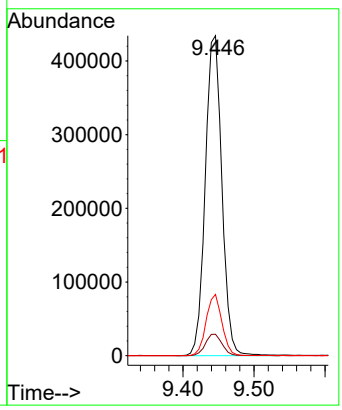


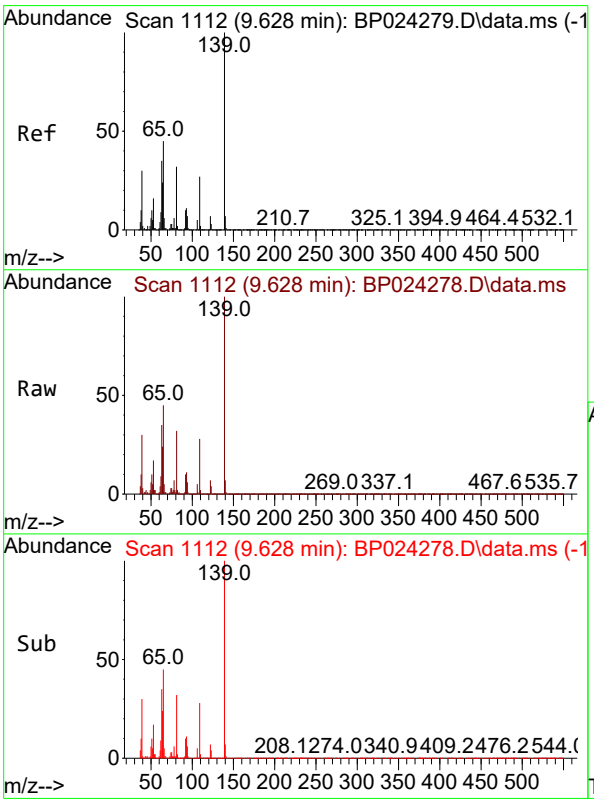
#25
Isophorone
Concen: 20.588 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 705771

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.2
138	19.2	14.4	21.6

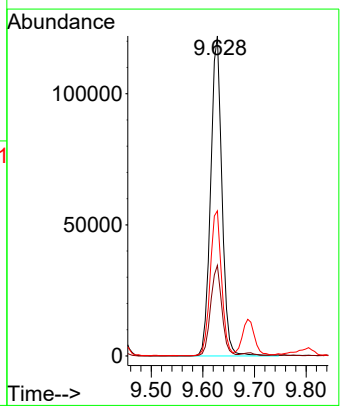


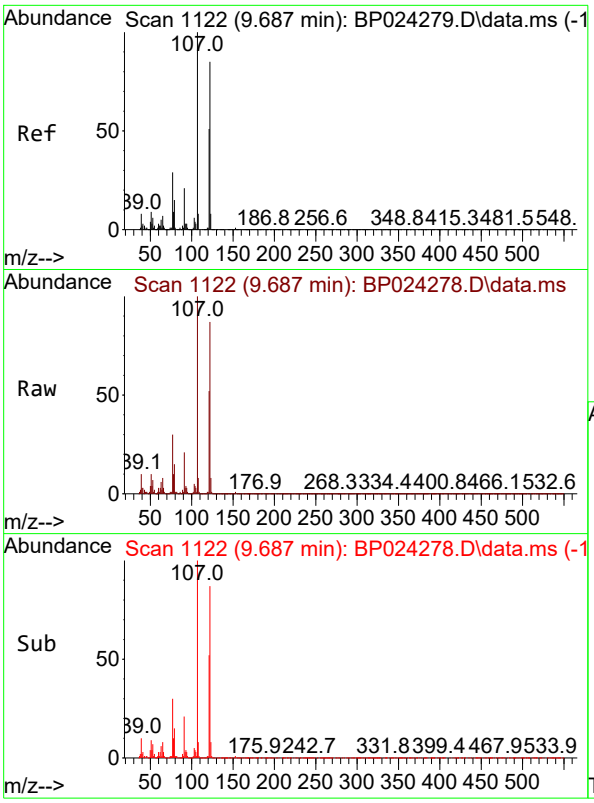


#26
2-Nitrophenol
Concen: 20.553 ng
RT: 9.628 min Scan# 1112
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:139 Resp: 185740

Ion	Ratio	Lower	Upper
139	100		
109	28.3	21.8	32.6
65	45.4	36.2	54.2



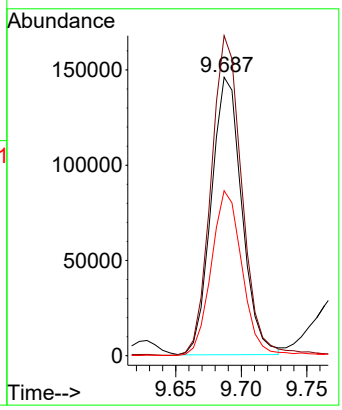


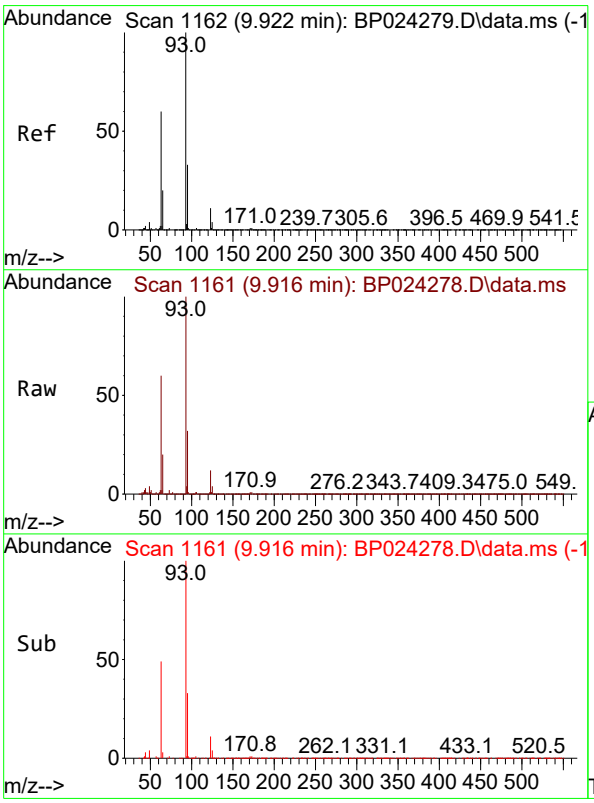
#27
2,4-Dimethylphenol
Concen: 20.643 ng
RT: 9.687 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 236436

Ion	Ratio	Lower	Upper
122	100		
107	114.9	93.7	140.5
121	59.2	48.2	72.2

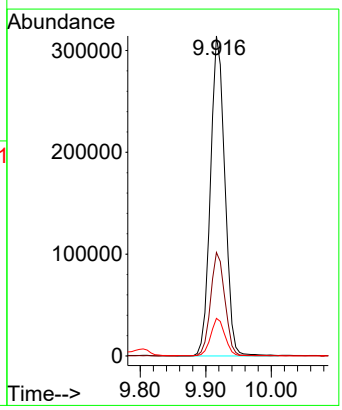


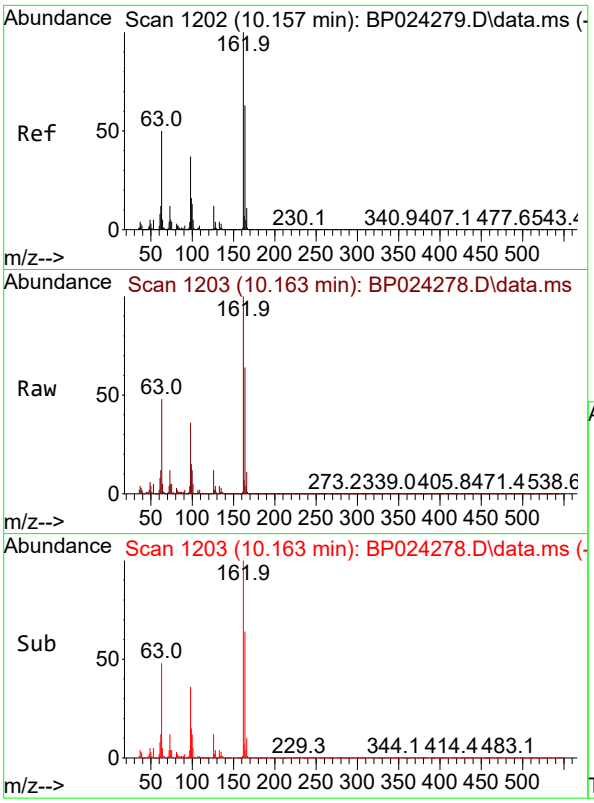


#28
bis(2-Chloroethoxy)methane
Concen: 20.575 ng
RT: 9.916 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 93 Resp: 480036

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.0	39.0
123	11.8	9.1	13.7



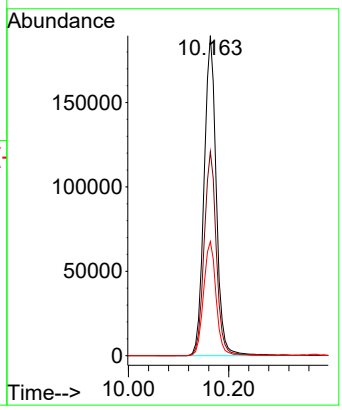


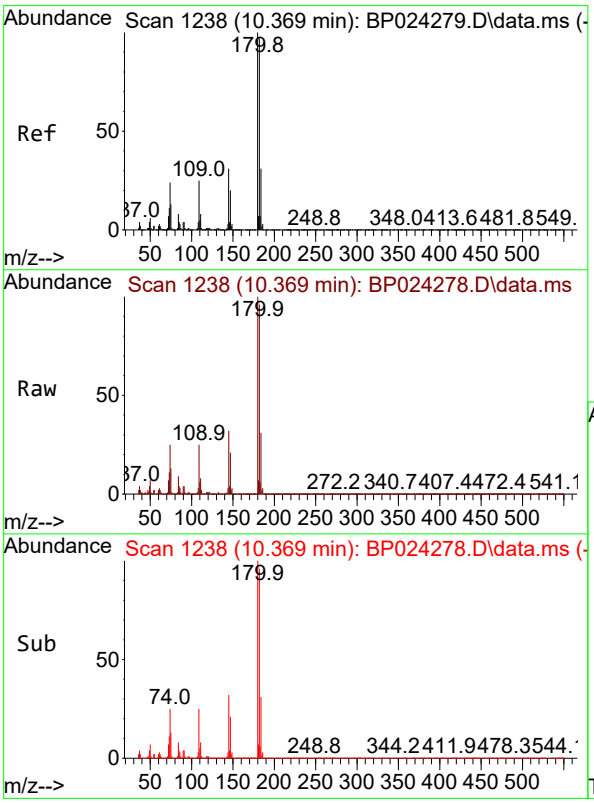
#29
2,4-Dichlorophenol
Concen: 20.536 ng
RT: 10.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 320579

Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.3	83.3
98	35.6	16.6	56.6

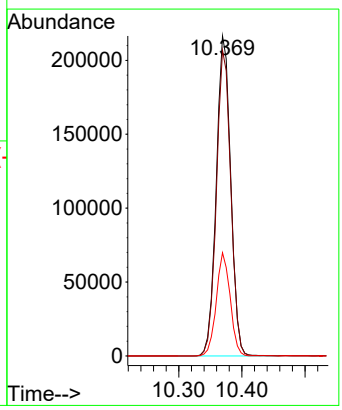


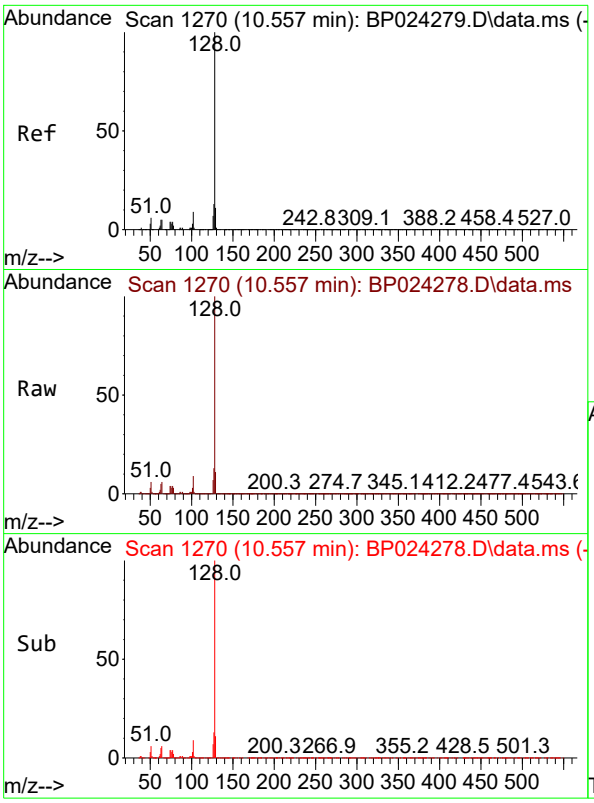


#30
1,2,4-Trichlorobenzene
Concen: 20.348 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:180 Resp: 343641

Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.3	115.9
145	32.3	25.1	37.7



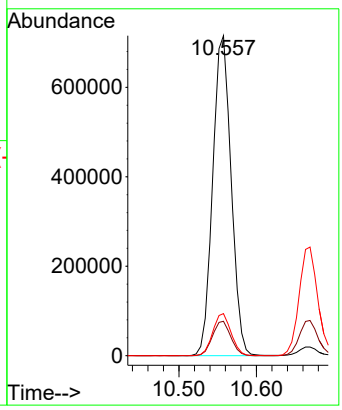


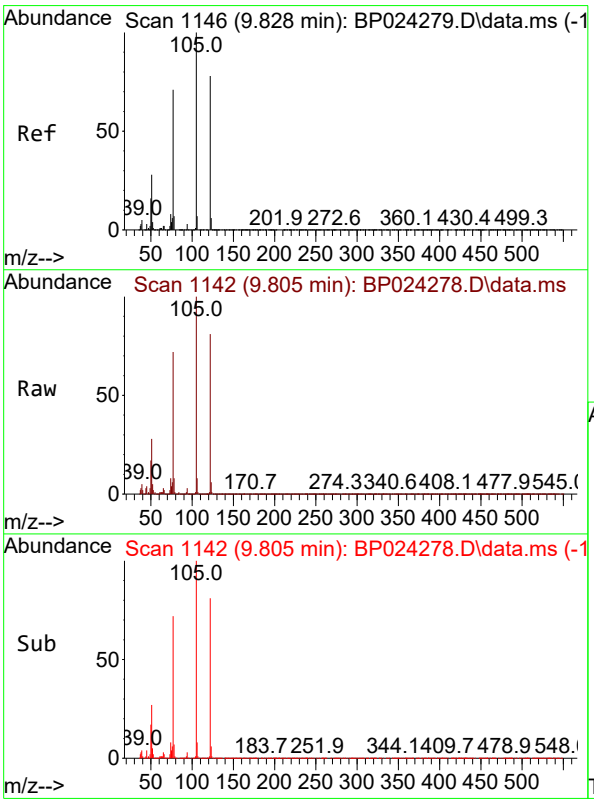
#31
Naphthalene
Concen: 20.618 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 1179848

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.2	10.3	15.5

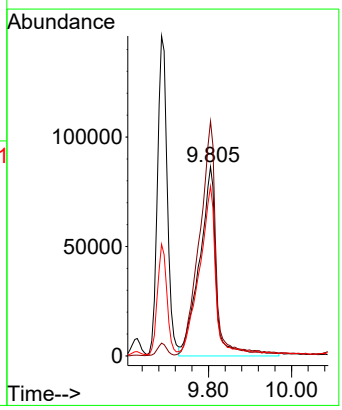


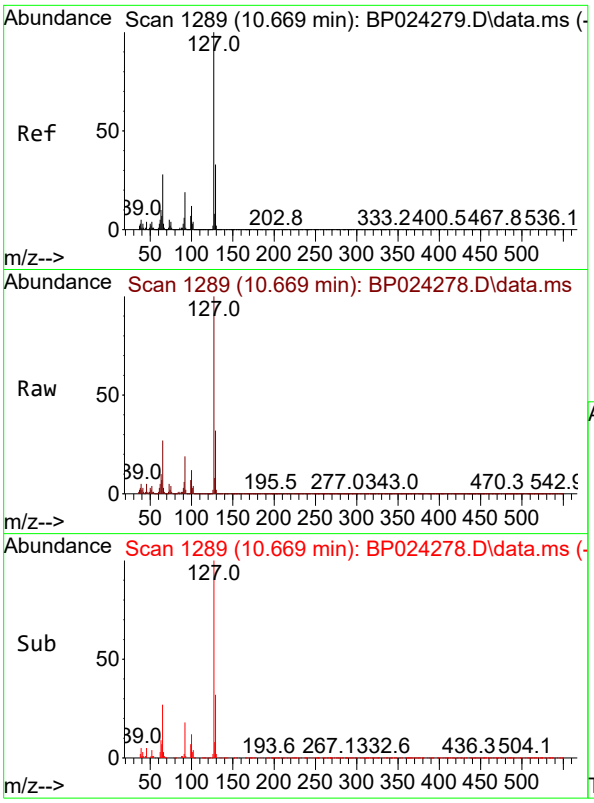


#32
Benzoic acid
Concen: 19.731 ng m
RT: 9.805 min Scan# 1142
Delta R.T. -0.024 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:122 Resp: 244213

Ion	Ratio	Lower	Upper
122	100		
105	124.1	104.8	144.8
77	89.8	69.2	109.2



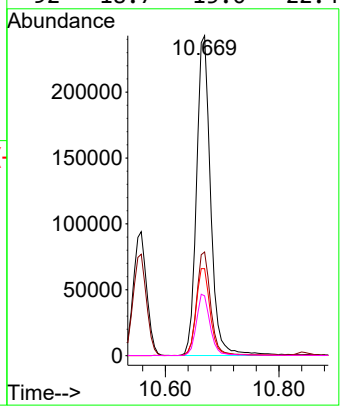


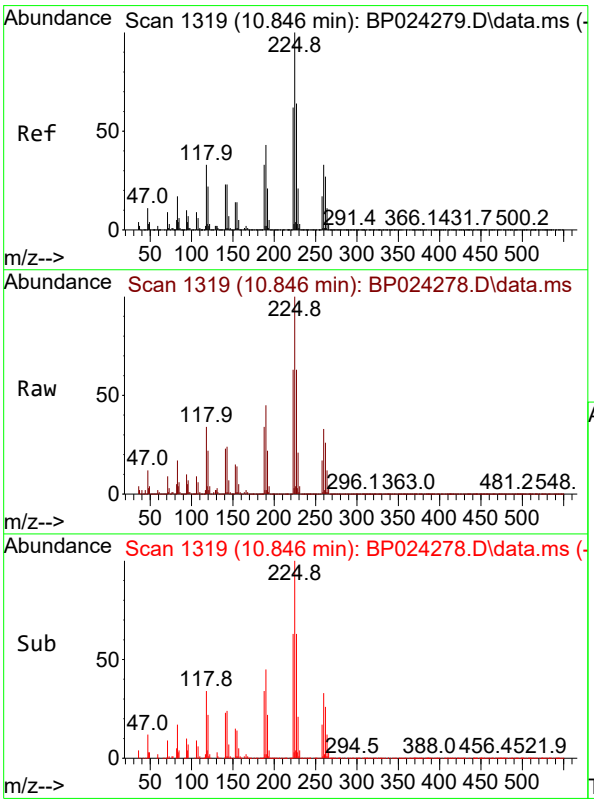
#33
4-Chloroaniline
Concen: 21.010 ng
RT: 10.669 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 420086

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.1	39.1
65	27.2	22.1	33.1
92	18.7	15.0	22.4

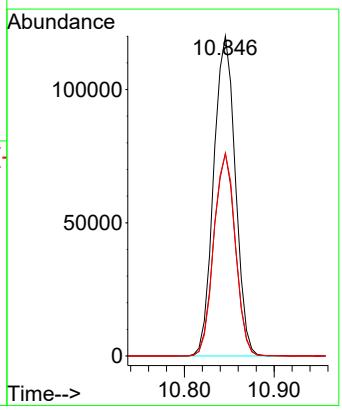


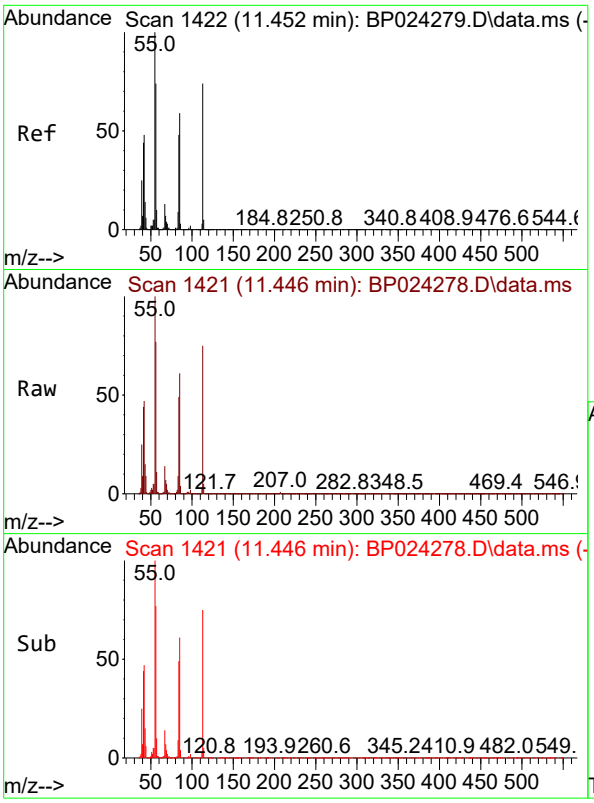


#34
Hexachlorobutadiene
Concen: 20.267 ng
RT: 10.846 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:225 Resp: 200785

Ion	Ratio	Lower	Upper
225	100		
223	63.4	49.5	74.3
227	63.3	50.9	76.3



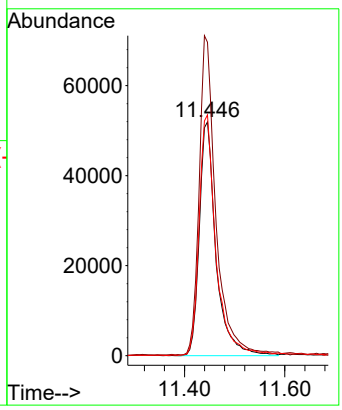


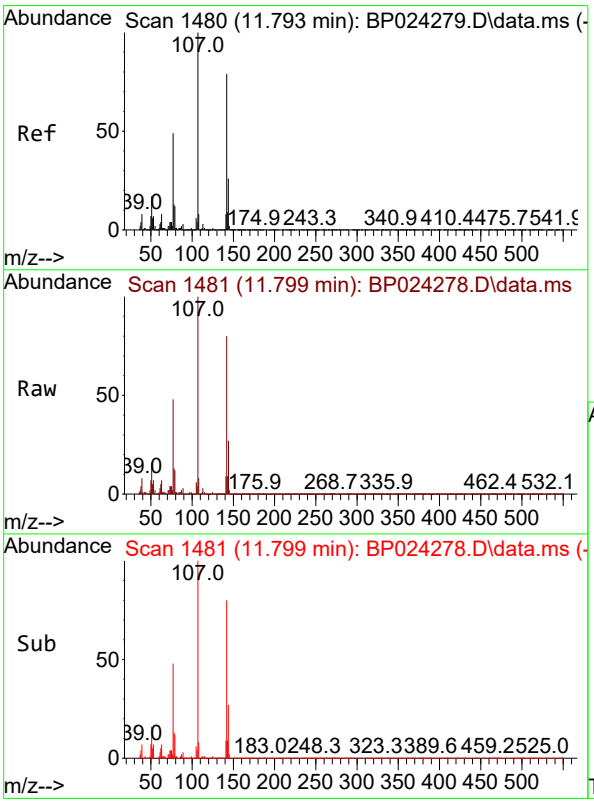
#35
Caprolactam
Concen: 20.922 ng
RT: 11.446 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 119912

Ion	Ratio	Lower	Upper
113	100		
55	134.1	115.9	155.9
56	103.0	81.1	121.1

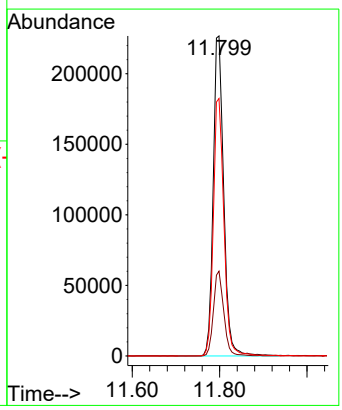


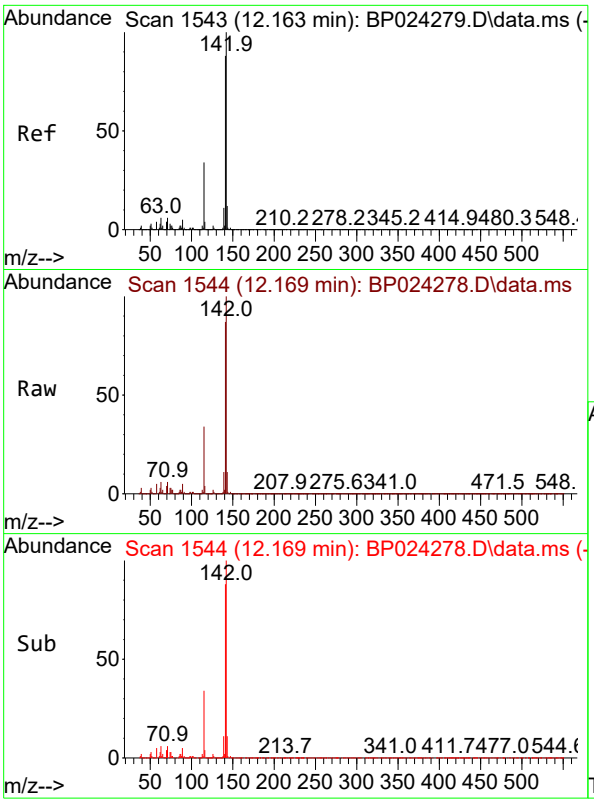


#36
4-Chloro-3-methylphenol
Concen: 20.767 ng
RT: 11.799 min Scan# 1481
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:107 Resp: 377768

Ion	Ratio	Lower	Upper
107	100		
144	26.5	20.5	30.7
142	80.4	63.4	95.2



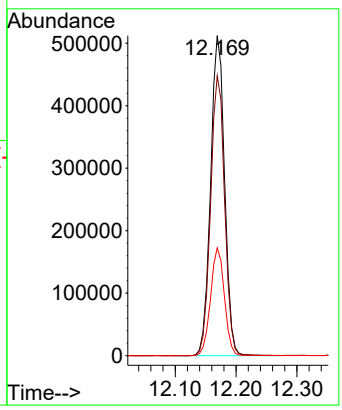


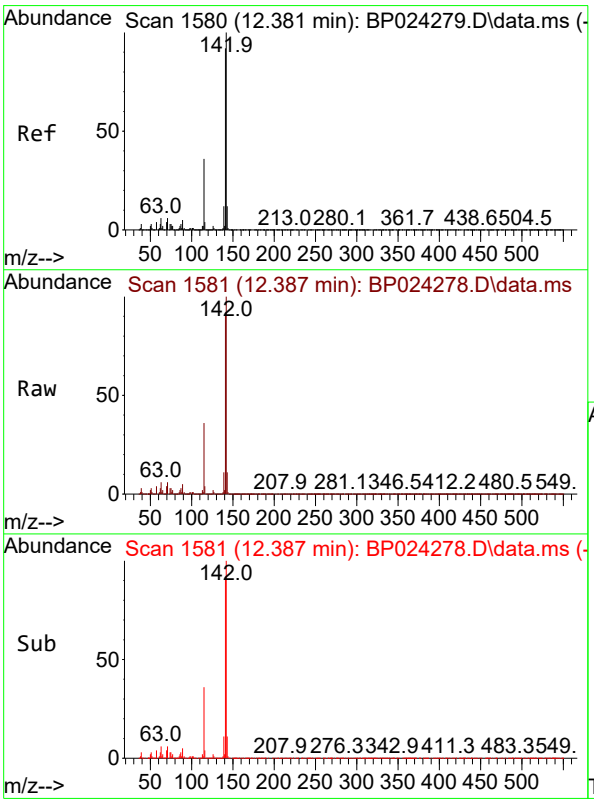
#37
2-Methylnaphthalene
Concen: 20.583 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 816314

Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.3	105.5
115	33.7	26.9	40.3

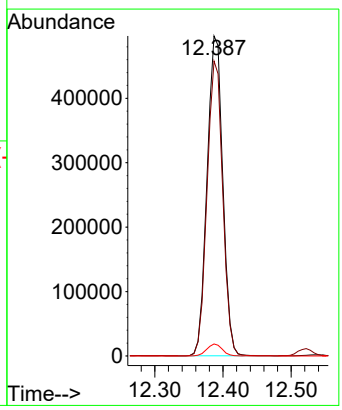


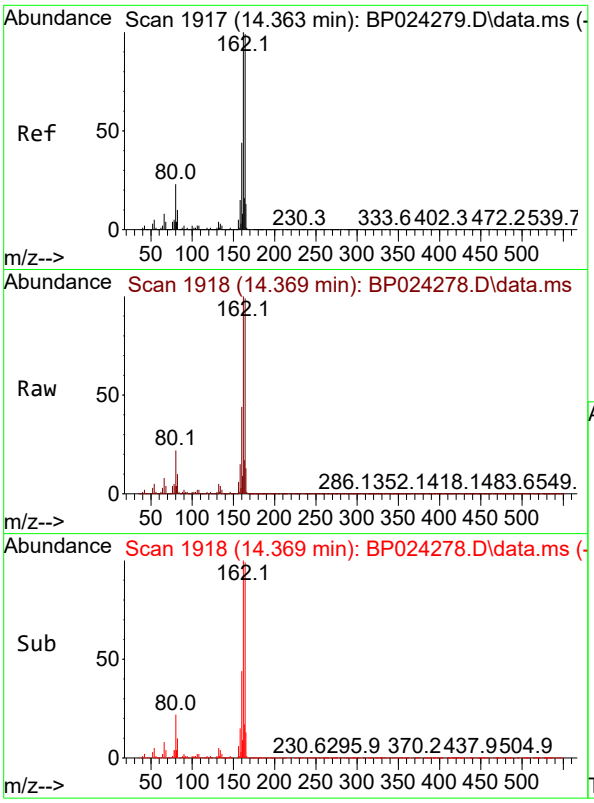


#38
1-Methylnaphthalene
Concen: 20.503 ng
RT: 12.387 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:142 Resp: 796550

Ion	Ratio	Lower	Upper
142	100		
141	92.2	73.6	110.4
116	3.8	3.0	4.6



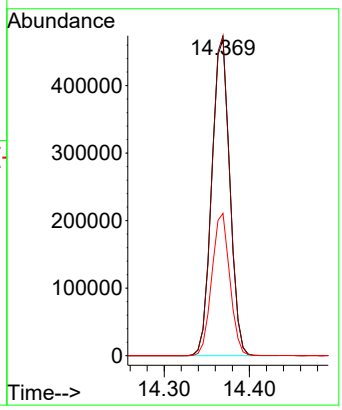


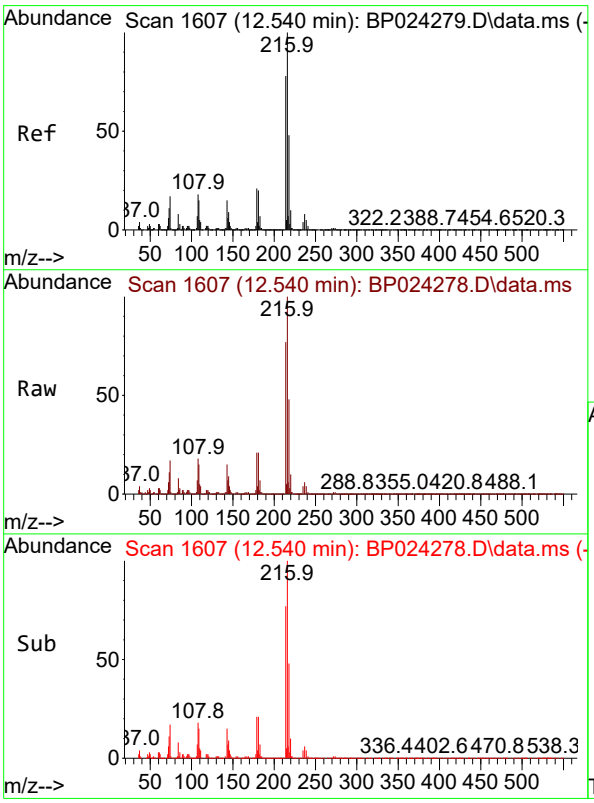
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.369 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 688775

Ion	Ratio	Lower	Upper
164	100		
162	101.2	80.6	120.8
160	45.0	35.3	52.9

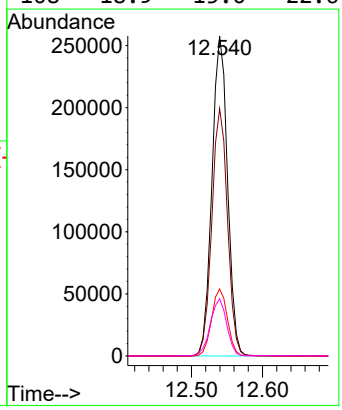


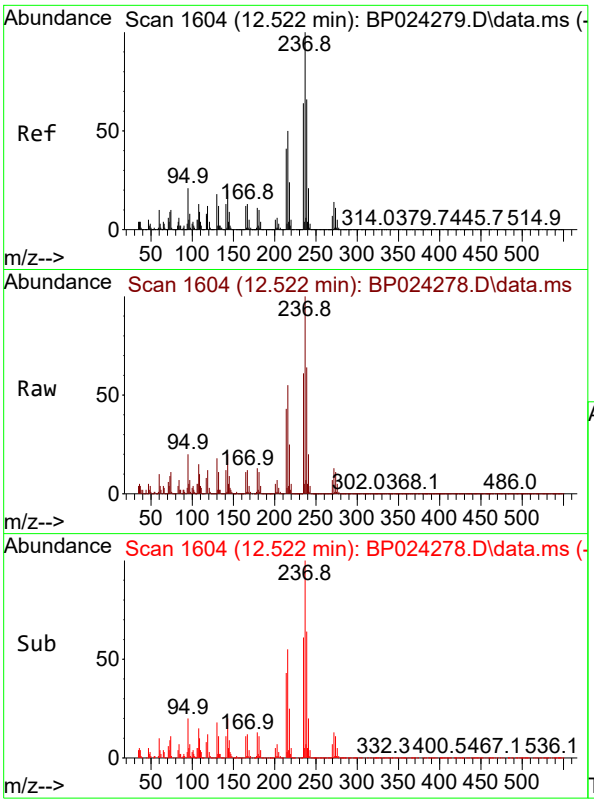


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.669 ng
RT: 12.540 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:216 Resp: 391241

Ion	Ratio	Lower	Upper
216	100		
214	77.8	62.6	93.8
179	21.2	17.2	25.8
108	18.9	15.0	22.6



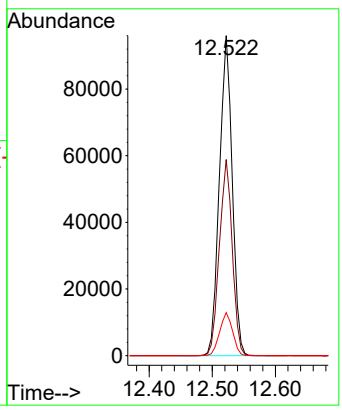


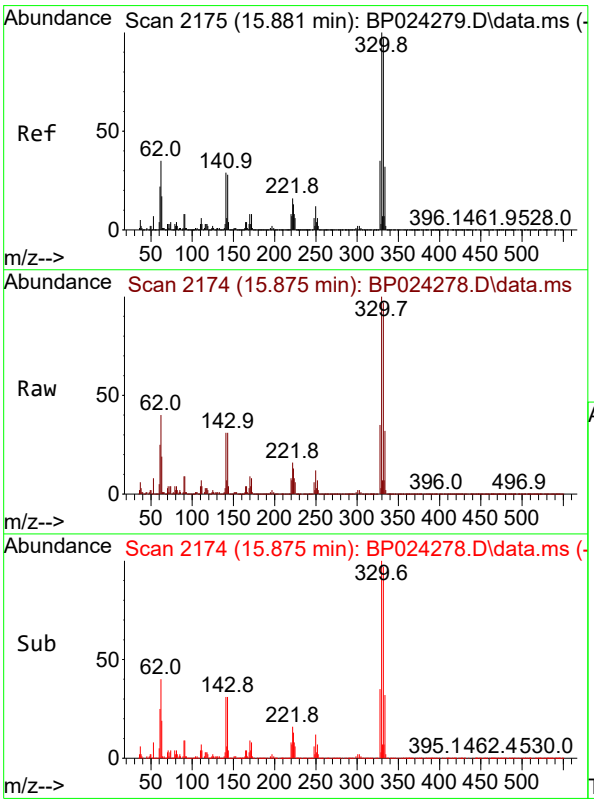
#41
Hexachlorocyclopentadiene
Concen: 20.414 ng
RT: 12.522 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 135654

Ion	Ratio	Lower	Upper
237	100		
235	61.3	43.9	83.9
272	13.5	0.0	33.6

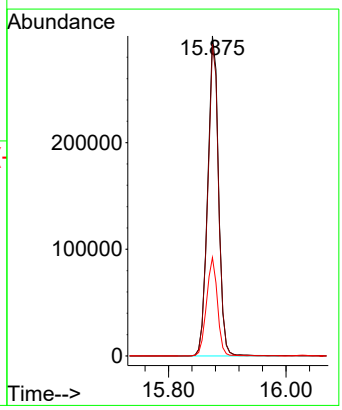


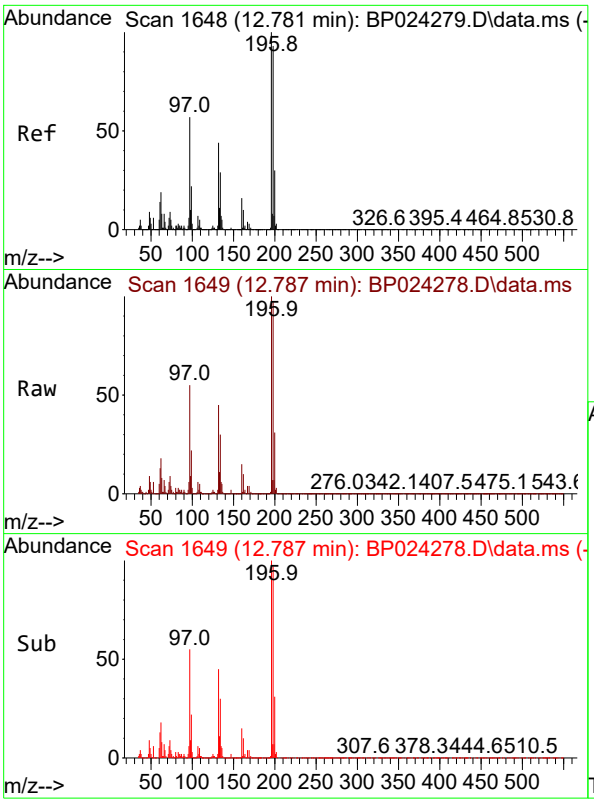


#42
2,4,6-Tribromophenol
Concen: 40.617 ng
RT: 15.875 min Scan# 2174
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:330 Resp: 383088

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.1	115.7
141	30.9	24.7	37.1



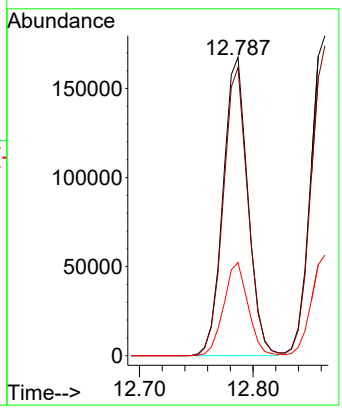


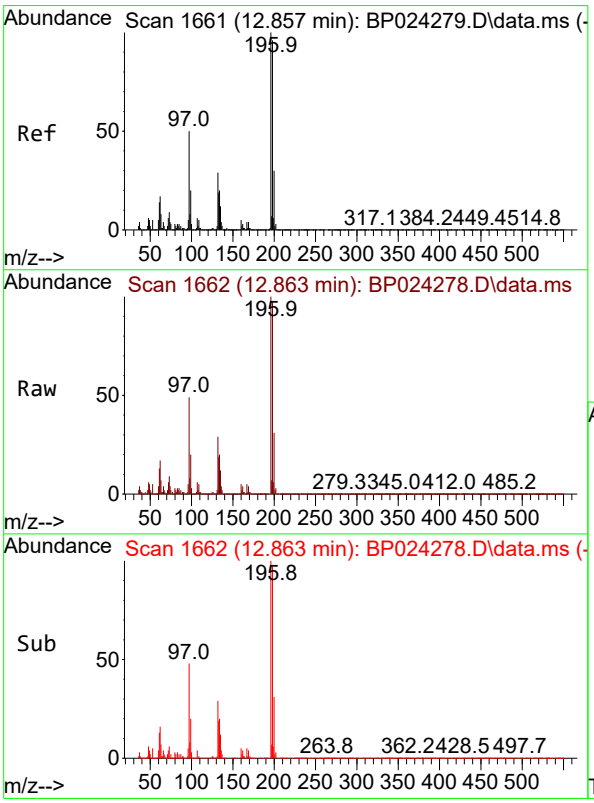
#43
2,4,6-Trichlorophenol
Concen: 20.410 ng
RT: 12.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 254189

Ion	Ratio	Lower	Upper
196	100		
198	96.6	74.3	111.5
200	31.2	24.0	36.0

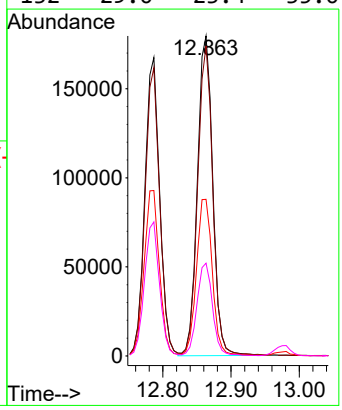


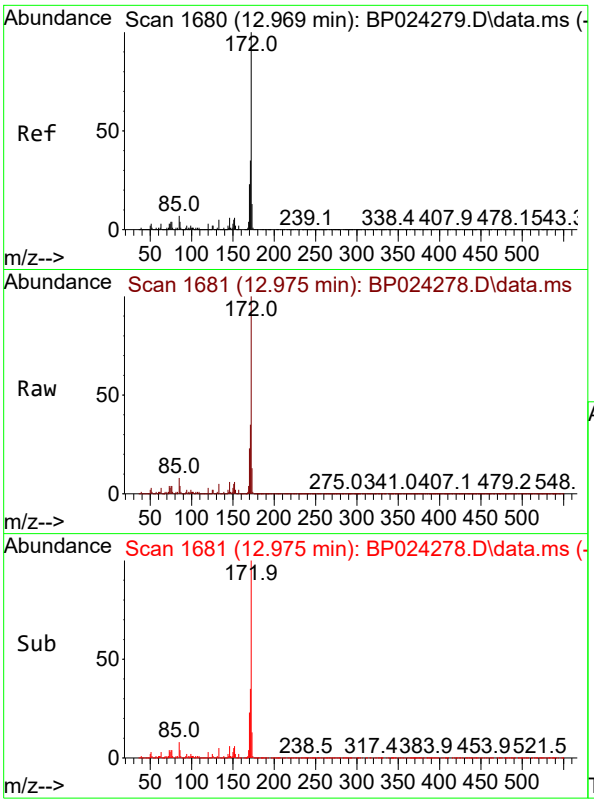


#44
2,4,5-Trichlorophenol
Concen: 20.424 ng
RT: 12.863 min Scan# 1662
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:196 Resp: 281887

Ion	Ratio	Lower	Upper
196	100		
198	96.9	77.3	115.9
97	48.9	40.4	60.6
132	29.0	23.4	35.0



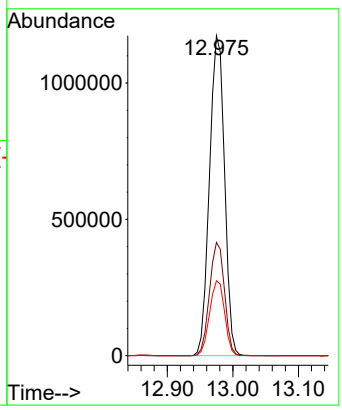


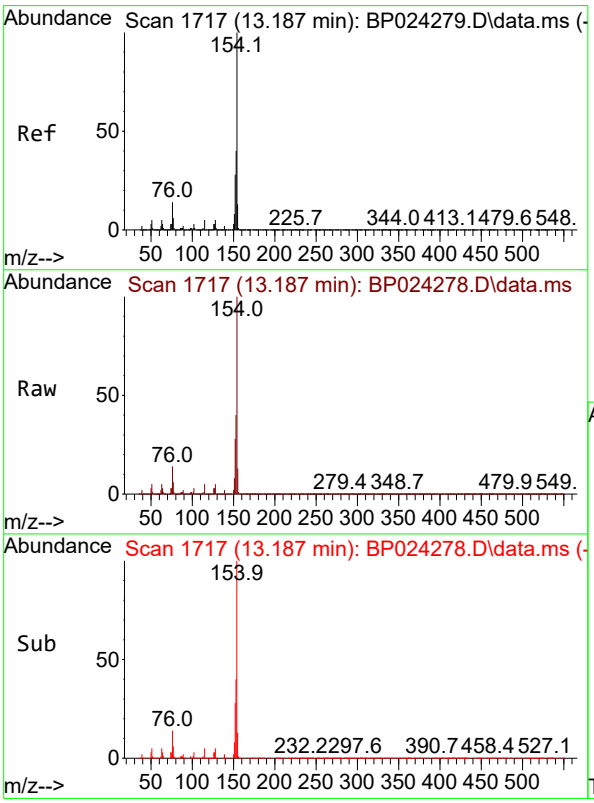
#45
2-Fluorobiphenyl
Concen: 41.254 ng
RT: 12.975 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 1871534

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.2	42.2
170	23.4	18.6	27.8

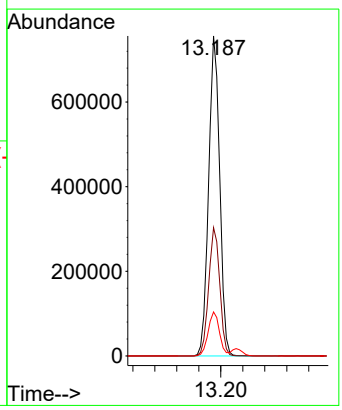


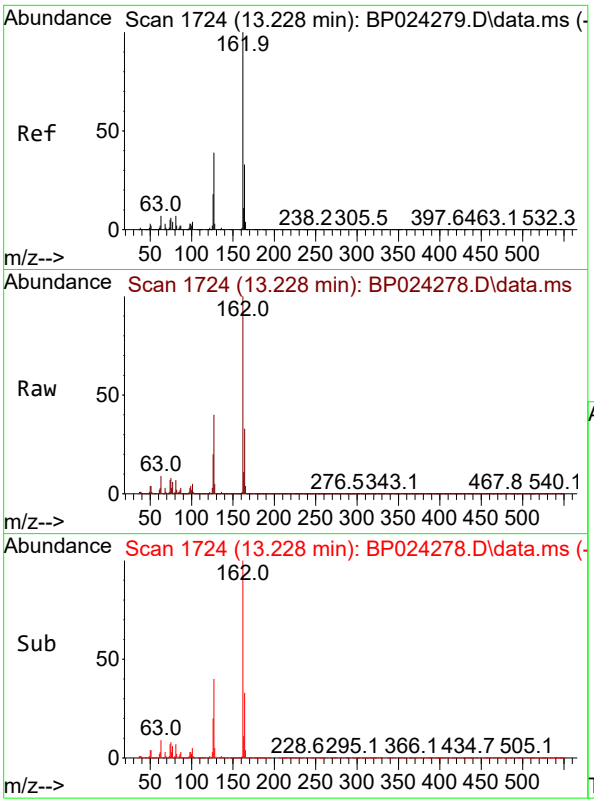


#46
1,1'-Biphenyl
Concen: 20.694 ng
RT: 13.187 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:154 Resp: 1052618

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.3	60.3
76	13.7	0.0	33.5



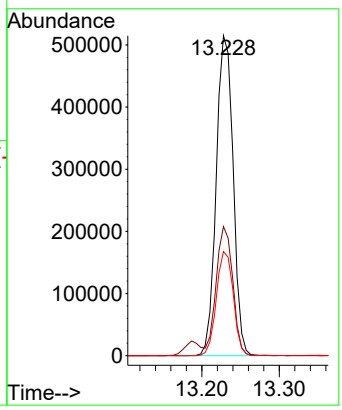


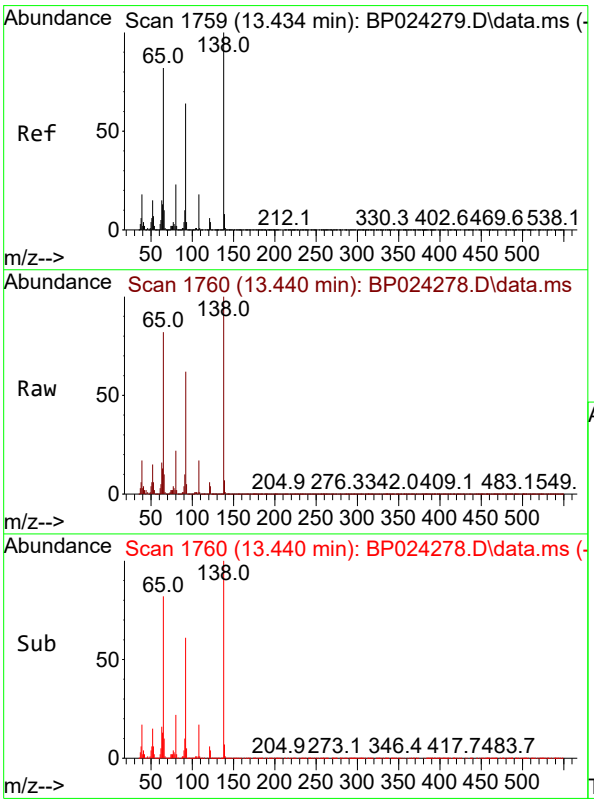
#47
2-Chloronaphthalene
Concen: 20.603 ng
RT: 13.228 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 782040

Ion	Ratio	Lower	Upper
162	100		
127	40.4	31.9	47.9
164	32.6	26.2	39.4

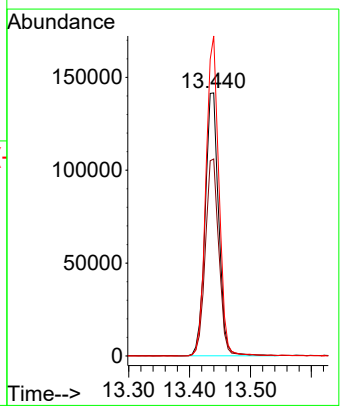


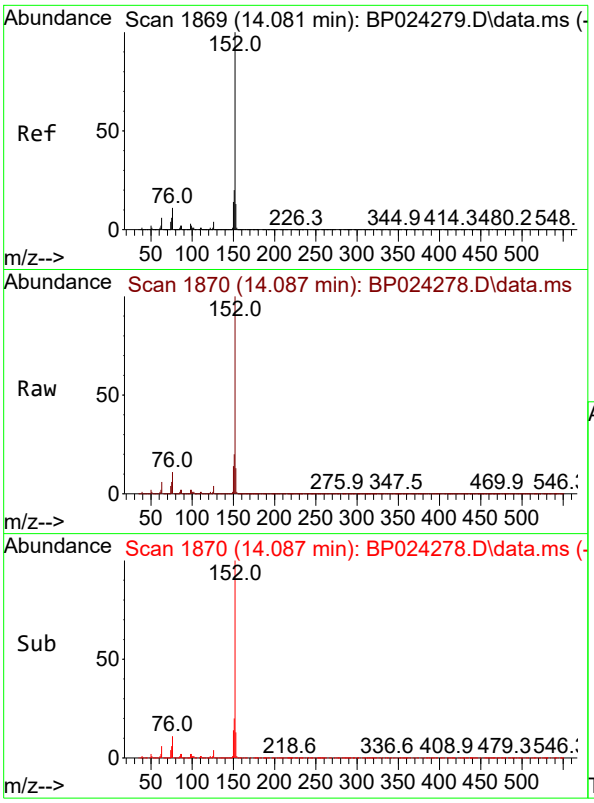


#48
2-Nitroaniline
Concen: 20.811 ng
RT: 13.440 min Scan# 1760
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 65 Resp: 218194

Ion	Ratio	Lower	Upper
65	100		
92	74.9	62.3	93.5
138	121.6	97.2	145.8



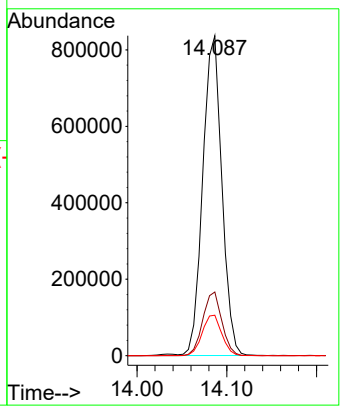


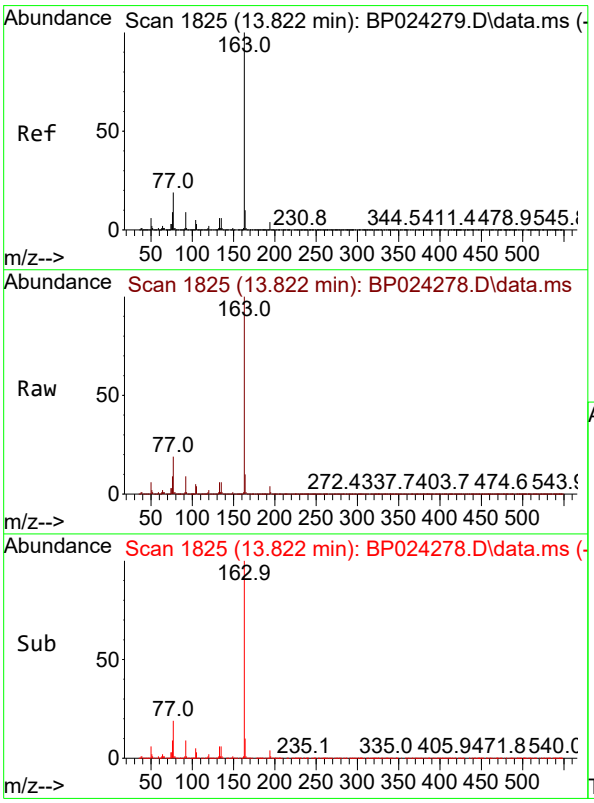
#49
Acenaphthylene
Concen: 20.726 ng
RT: 14.087 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 1234728

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	12.7	10.6	15.8

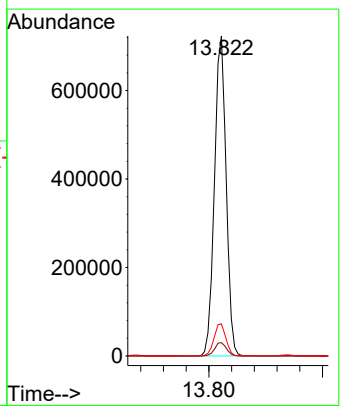


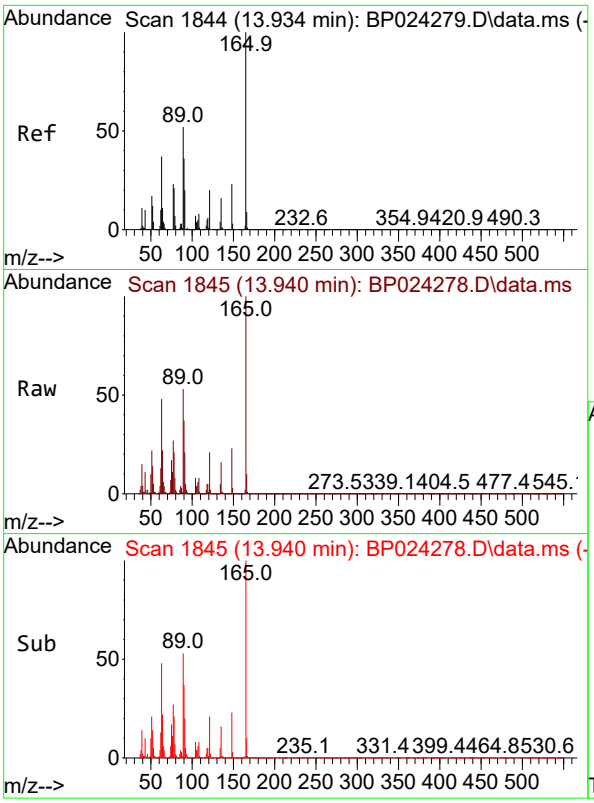


#50
Dimethylphthalate
Concen: 20.489 ng
RT: 13.822 min Scan# 1825
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:163 Resp: 1029599

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.5	5.3
164	10.1	8.0	12.0



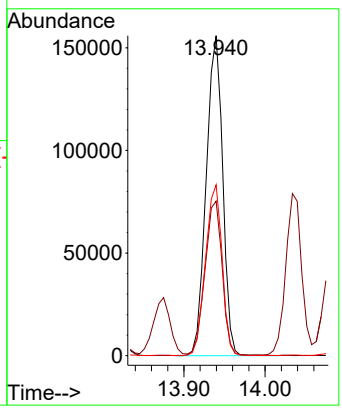


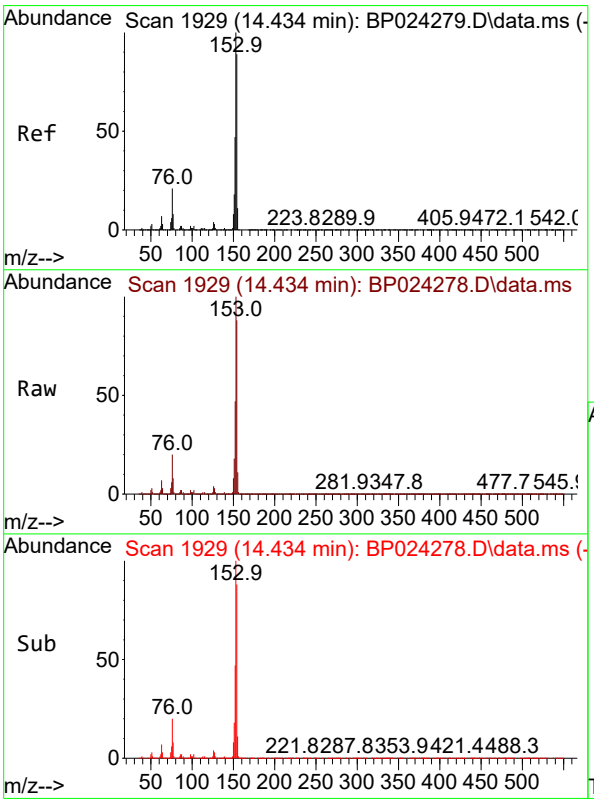
#51
2,6-Dinitrotoluene
Concen: 20.731 ng
RT: 13.940 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 219492

Ion	Ratio	Lower	Upper
165	100		
63	48.3	38.0	57.0
89	53.4	41.7	62.5

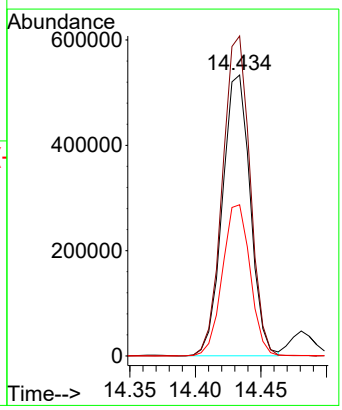


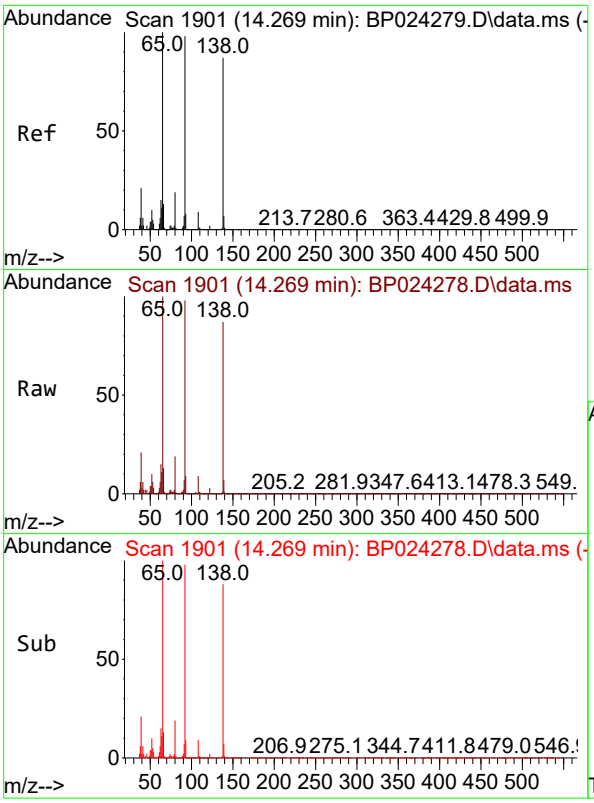


#52
Acenaphthene
Concen: 20.741 ng
RT: 14.434 min Scan# 1929
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:154 Resp: 785789

Ion	Ratio	Lower	Upper
154	100		
153	113.9	89.8	134.6
152	53.8	42.6	63.8



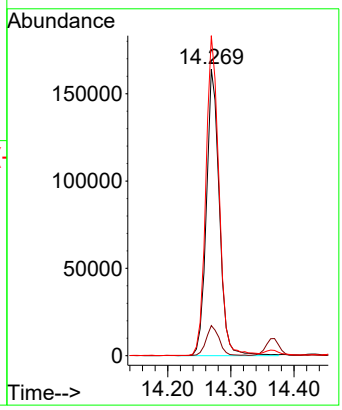


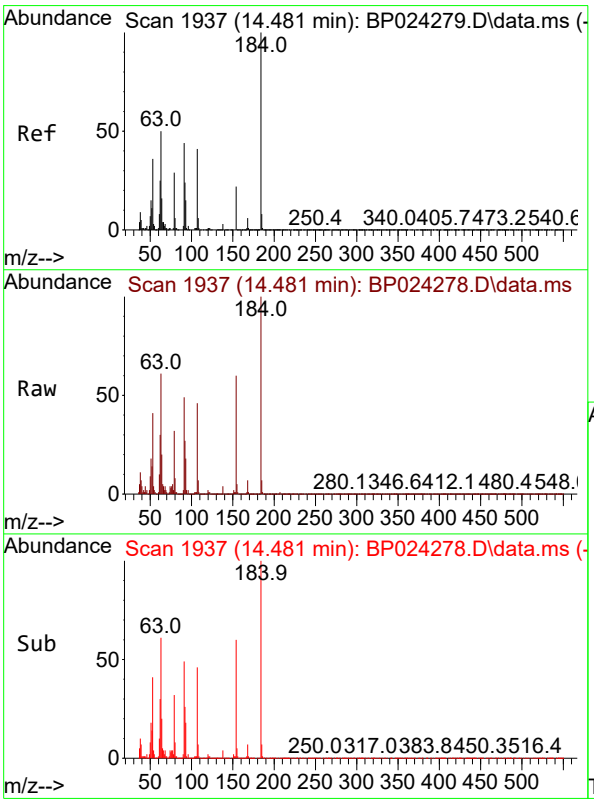
#53
3-Nitroaniline
Concen: 21.212 ng
RT: 14.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 233006

Ion	Ratio	Lower	Upper
138	100		
108	10.5	8.3	12.5
92	111.7	89.8	134.8

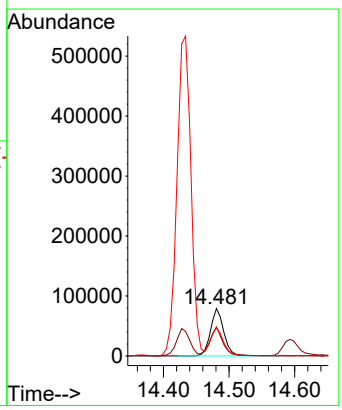


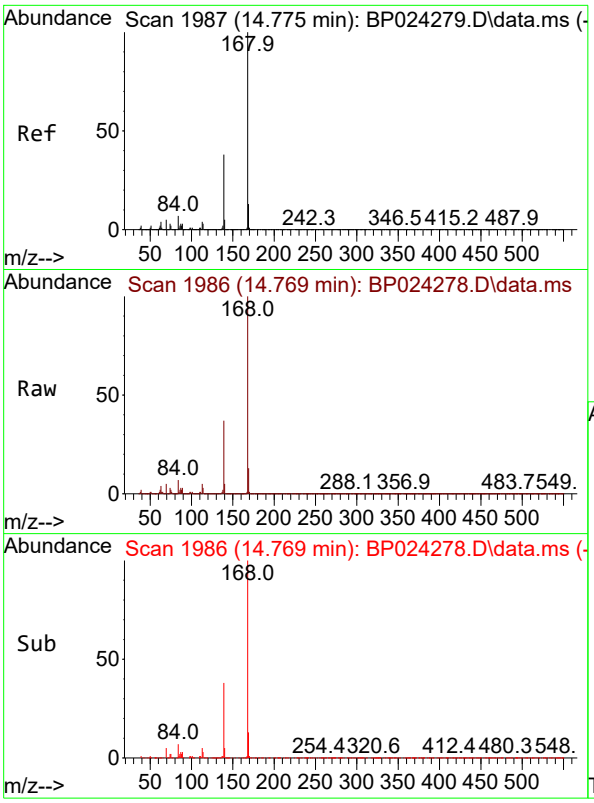


#54
2,4-Dinitrophenol
Concen: 19.785 ng
RT: 14.481 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:184 Resp: 112157

Ion	Ratio	Lower	Upper
184	100		
63	61.0	42.6	64.0
154	60.0	47.2	70.8



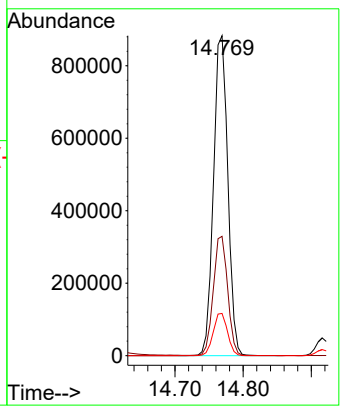


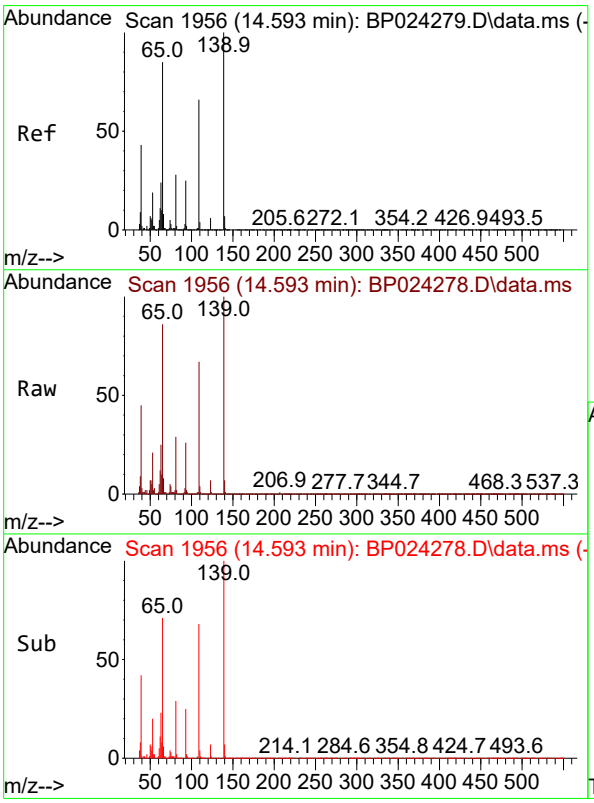
#55
Dibenzofuran
Concen: 20.735 ng
RT: 14.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 1288363

Ion	Ratio	Lower	Upper
168	100		
139	37.3	30.3	45.5
169	13.2	10.6	16.0

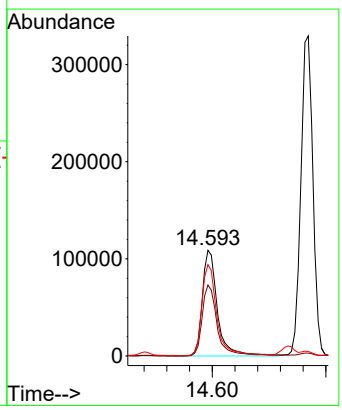


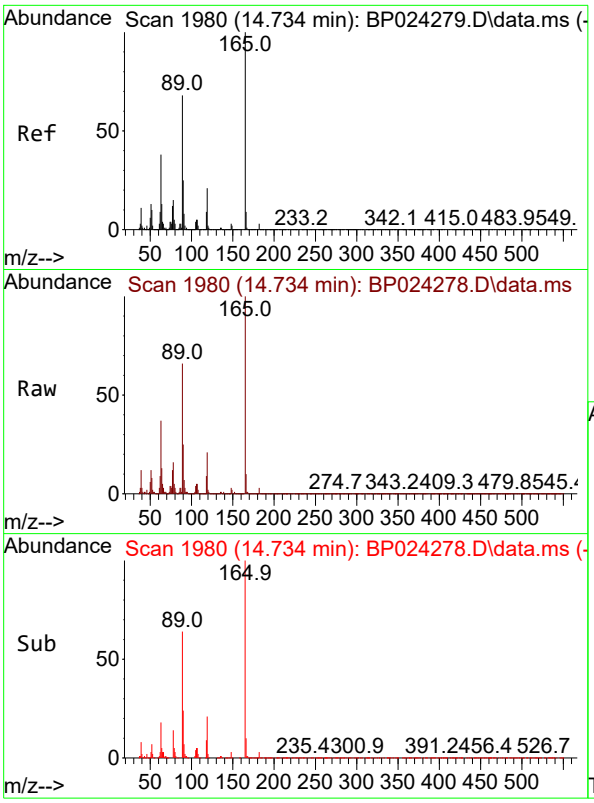


#56
4-Nitrophenol
Concen: 21.109 ng
RT: 14.593 min Scan# 1956
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:139 Resp: 199315

Ion	Ratio	Lower	Upper
139	100		
109	67.0	46.1	86.1
65	86.5	65.0	105.0



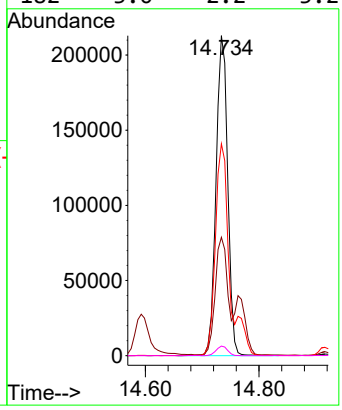


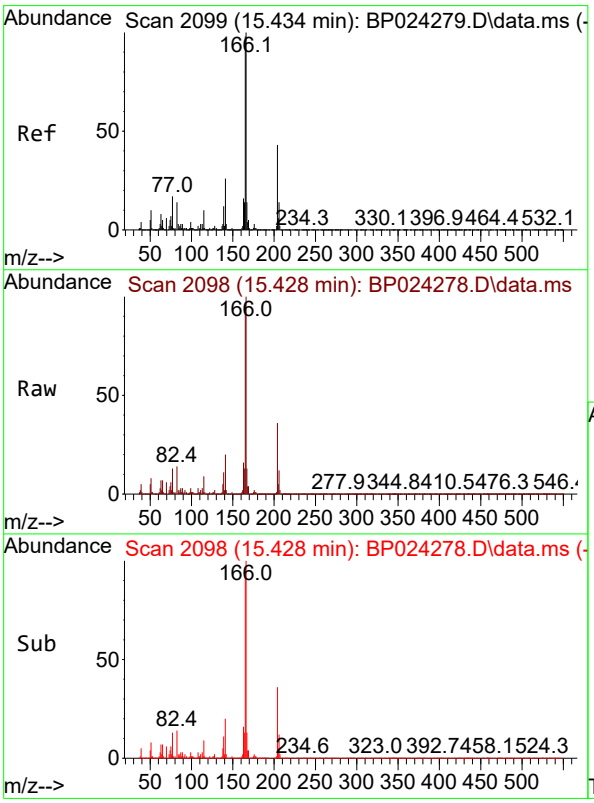
#57
2,4-Dinitrotoluene
Concen: 21.126 ng
RT: 14.734 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 302332

Ion	Ratio	Lower	Upper
165	100		
63	37.0	30.4	45.6
89	66.2	54.6	82.0
182	3.0	2.2	3.2

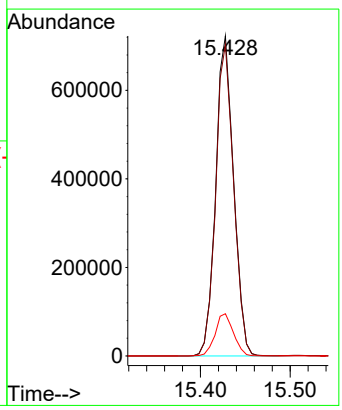


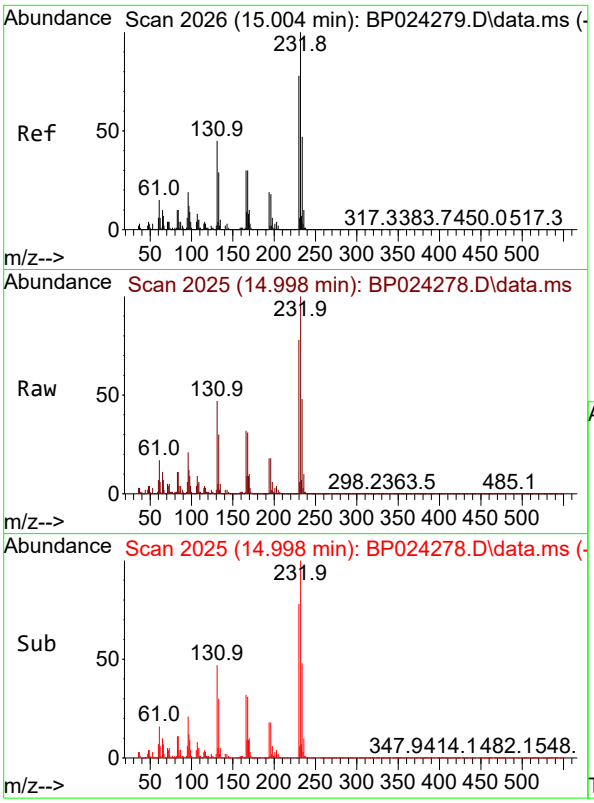


#58
Fluorene
Concen: 20.876 ng
RT: 15.428 min Scan# 2098
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:166 Resp: 1001515

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.1	117.1
167	13.2	10.9	16.3



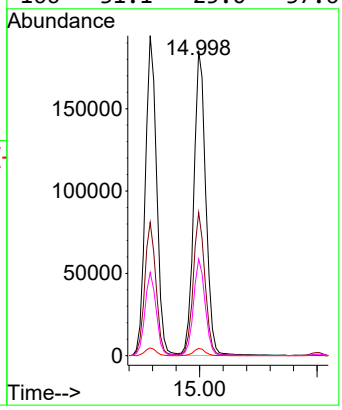


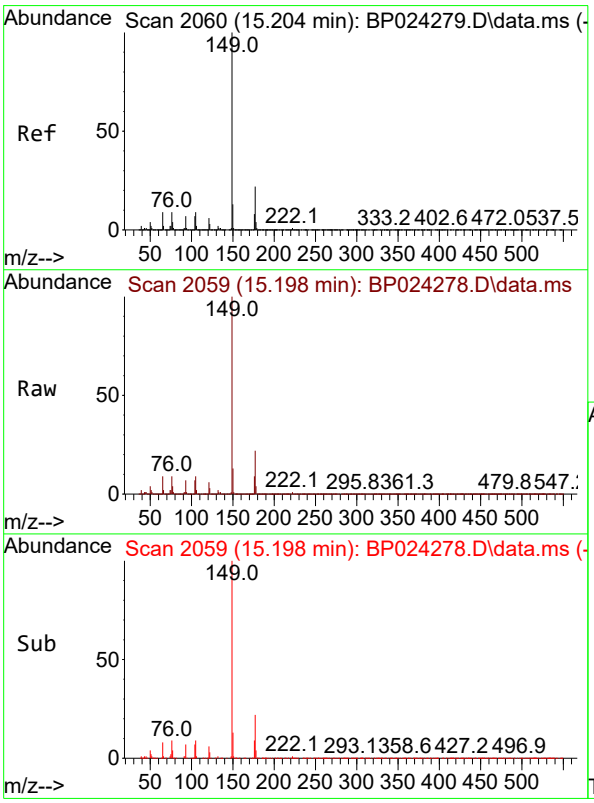
#59
2,3,4,6-Tetrachlorophenol
Concen: 20.523 ng
RT: 14.998 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 262077

Ion	Ratio	Lower	Upper
232	100		
131	45.5	36.8	55.2
130	2.4	1.9	2.9
166	31.1	25.0	37.6

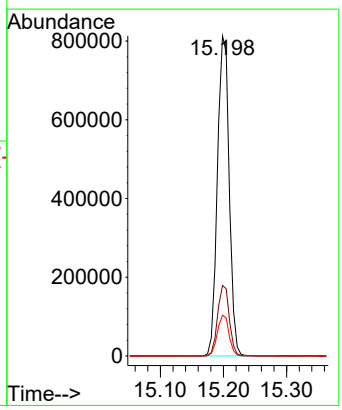


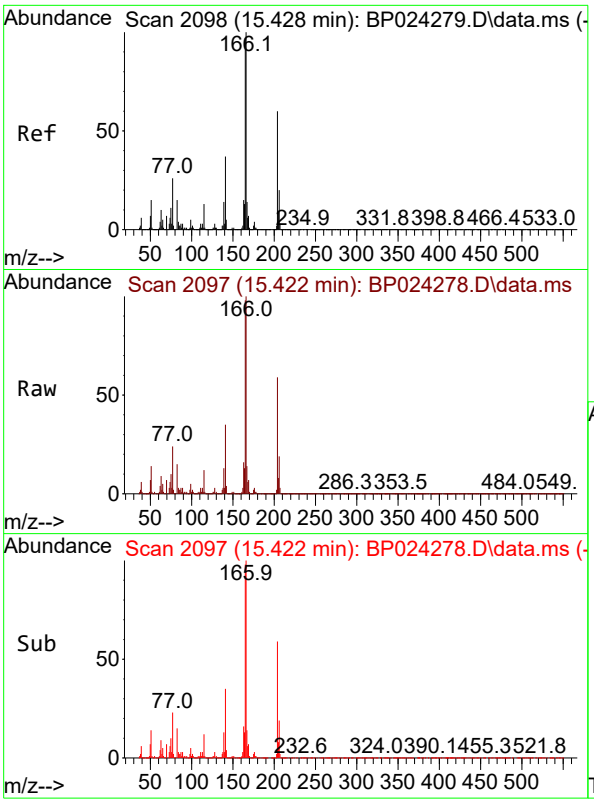


#60
Diethylphthalate
Concen: 20.344 ng
RT: 15.198 min Scan# 2059
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:149 Resp: 1052183

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.4	26.2
150	12.8	10.1	15.1



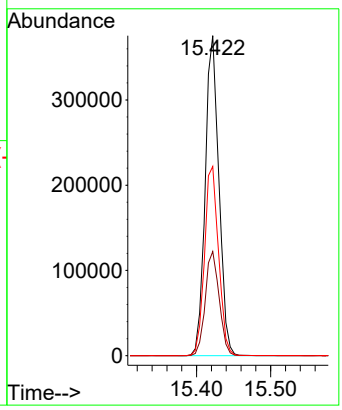


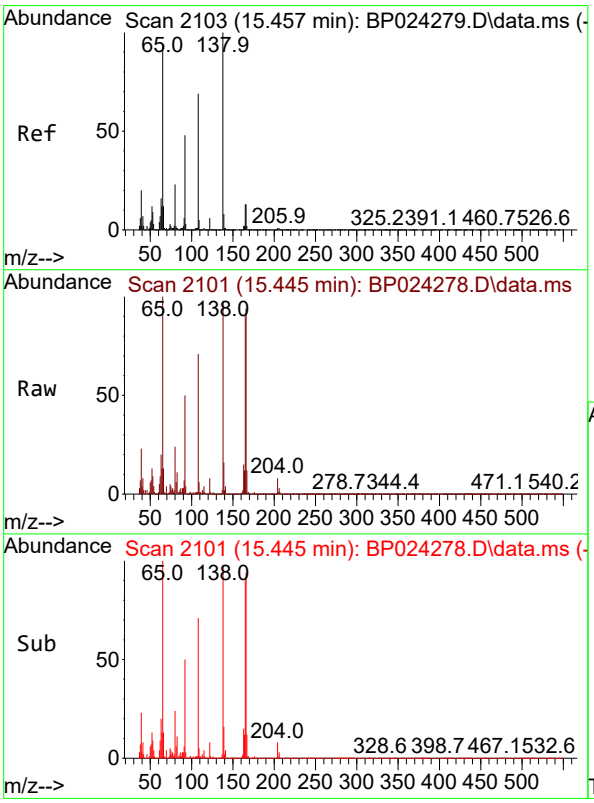
#61
4-Chlorophenyl-phenylether
Concen: 20.675 ng
RT: 15.422 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 481631

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.5	39.7
141	59.2	49.4	74.0

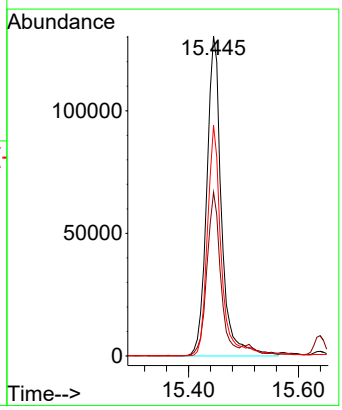


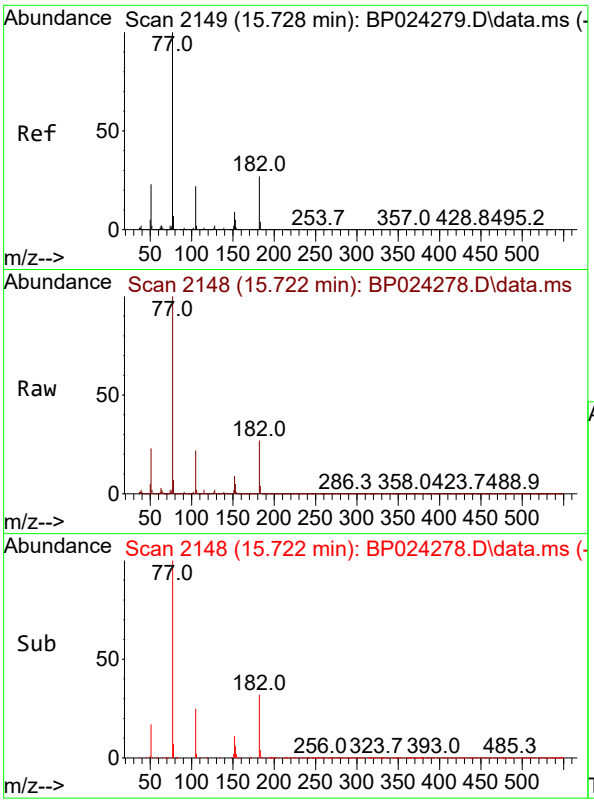


#62
4-Nitroaniline
Concen: 20.888 ng
RT: 15.445 min Scan# 2101
Delta R.T. -0.012 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:138 Resp: 243257

Ion	Ratio	Lower	Upper
138	100		
92	51.2	27.8	67.8
108	72.0	48.9	88.9



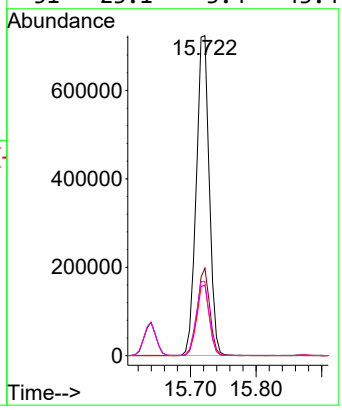


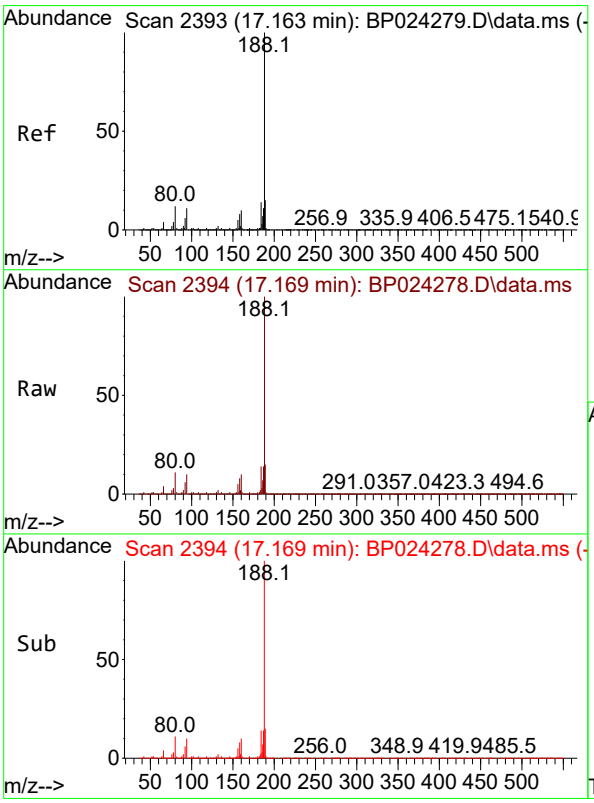
#63
Azobenzene
Concen: 20.907 ng
RT: 15.722 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 995912

Ion	Ratio	Lower	Upper
77	100		
182	27.3	7.3	47.3
105	22.0	2.3	42.3
51	23.1	3.4	43.4

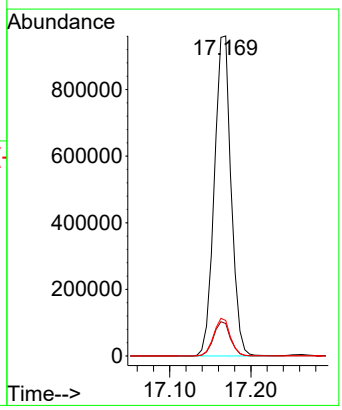


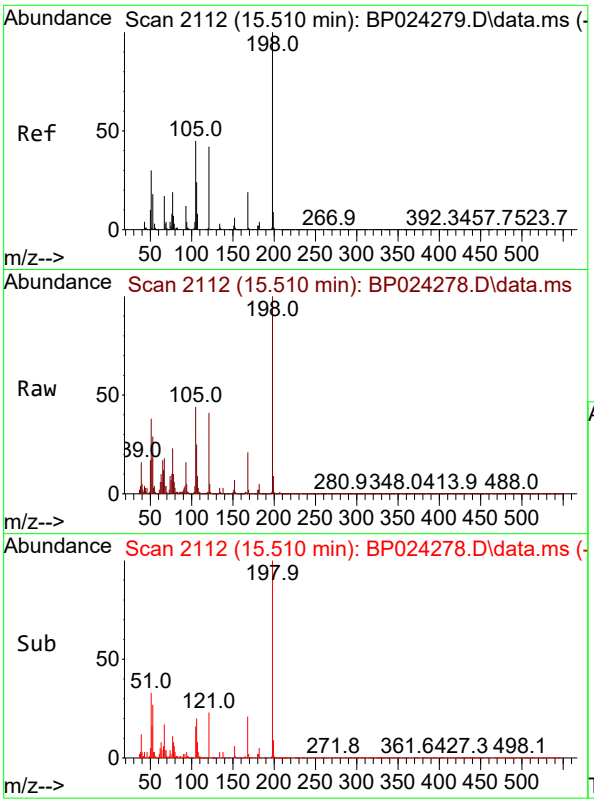


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.169 min Scan# 2394
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:188 Resp: 1378480

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.6	13.0
80	11.1	9.8	14.6



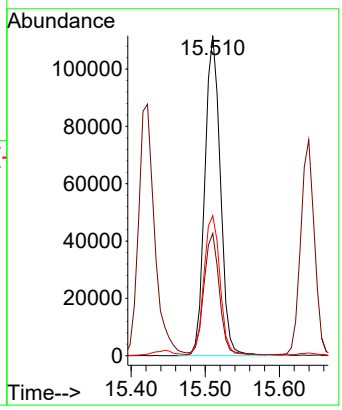


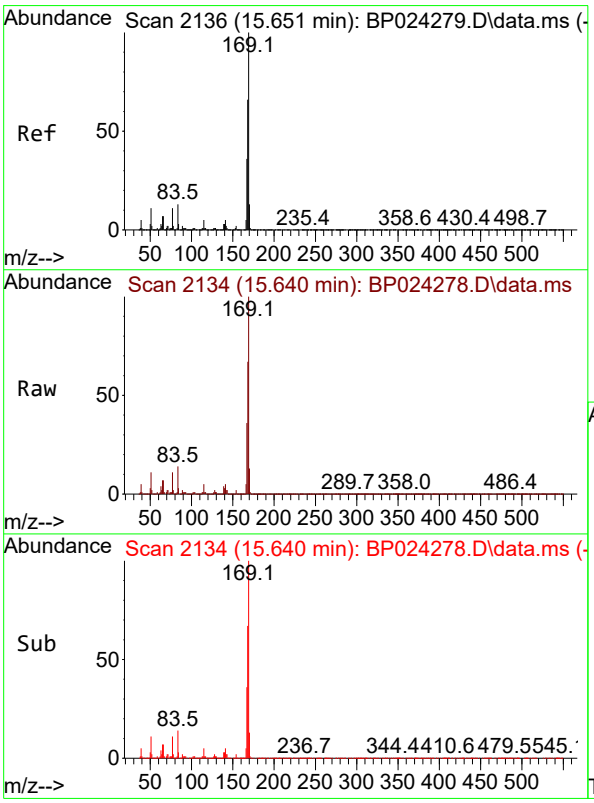
#65
4,6-Dinitro-2-methylphenol
Concen: 20.176 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 162501

Ion	Ratio	Lower	Upper
198	100		
51	38.2	18.4	58.4
105	43.8	26.5	66.5

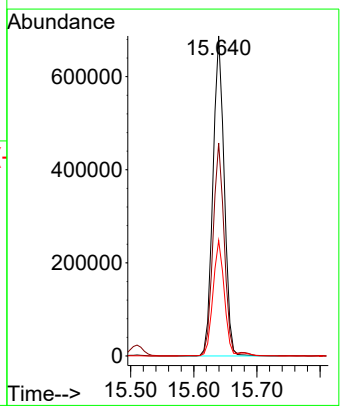


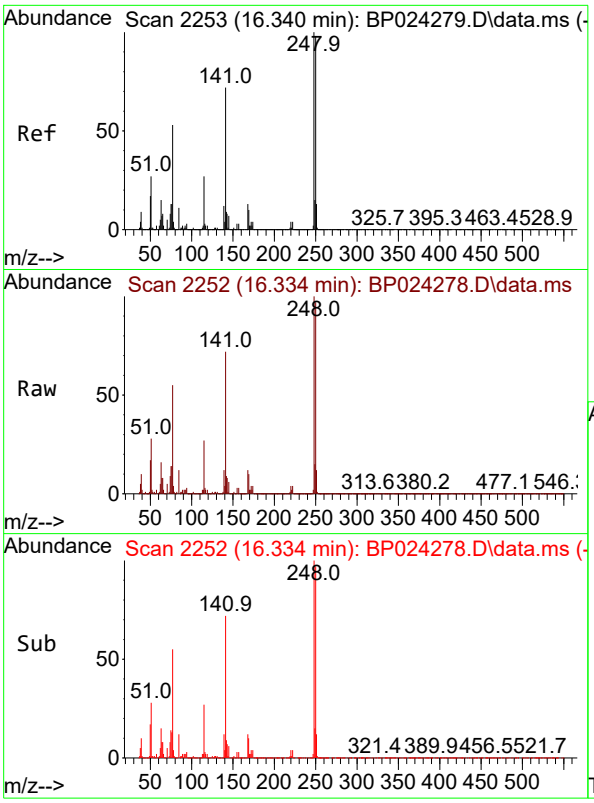


#66
n-Nitrosodiphenylamine
Concen: 20.552 ng
RT: 15.640 min Scan# 2134
Delta R.T. -0.012 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:169 Resp: 849476

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.0	79.4
167	36.1	28.9	43.3



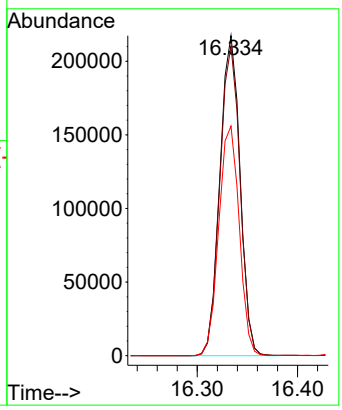


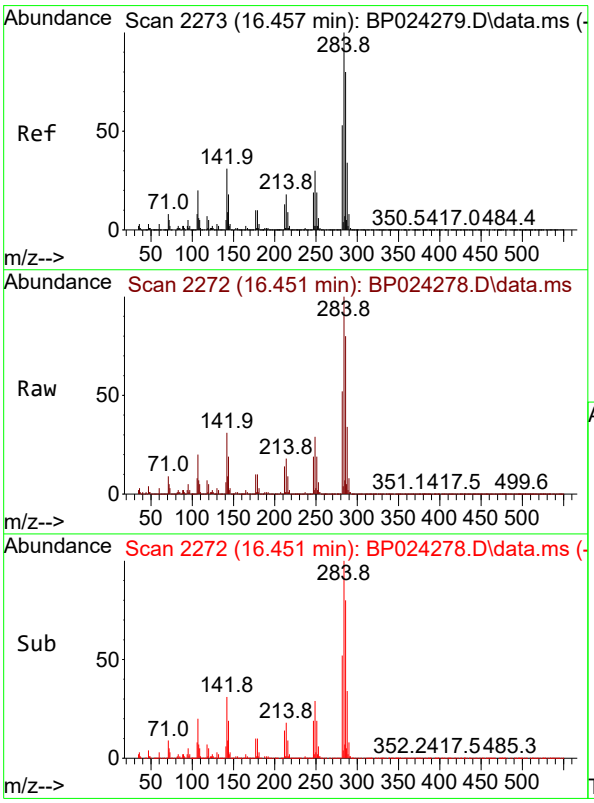
#67
4-Bromophenyl-phenylether
Concen: 20.125 ng
RT: 16.334 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 302601

Ion	Ratio	Lower	Upper
248	100		
250	96.8	78.2	117.4
141	71.8	57.7	86.5

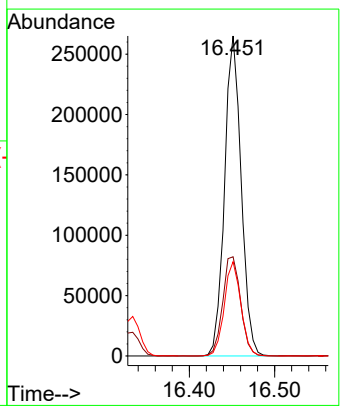


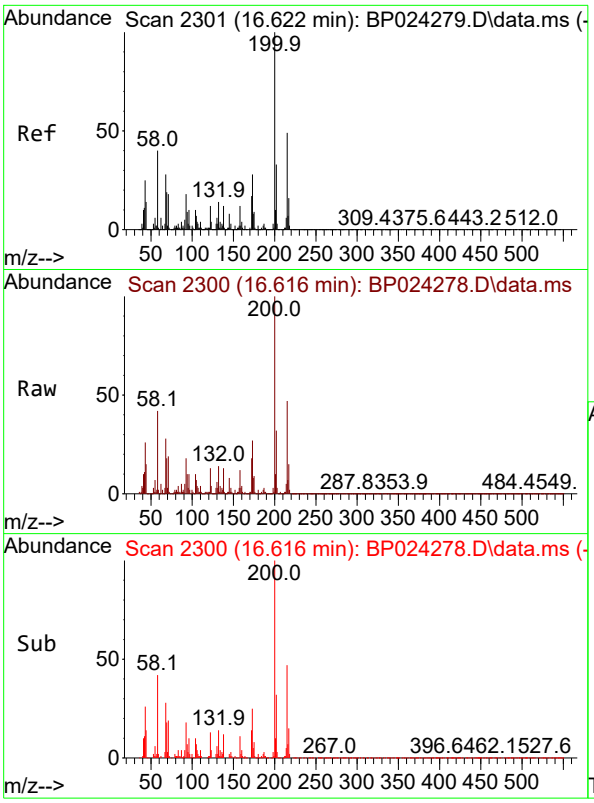


#68
Hexachlorobenzene
Concen: 20.077 ng
RT: 16.451 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:284 Resp: 358889

Ion	Ratio	Lower	Upper
284	100		
142	31.0	24.6	37.0
249	29.5	23.8	35.6



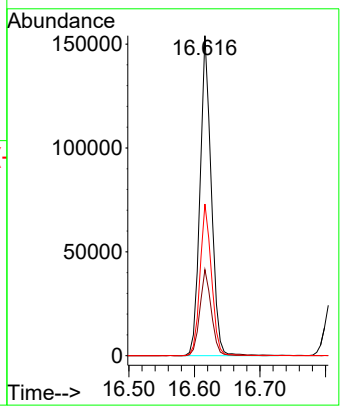


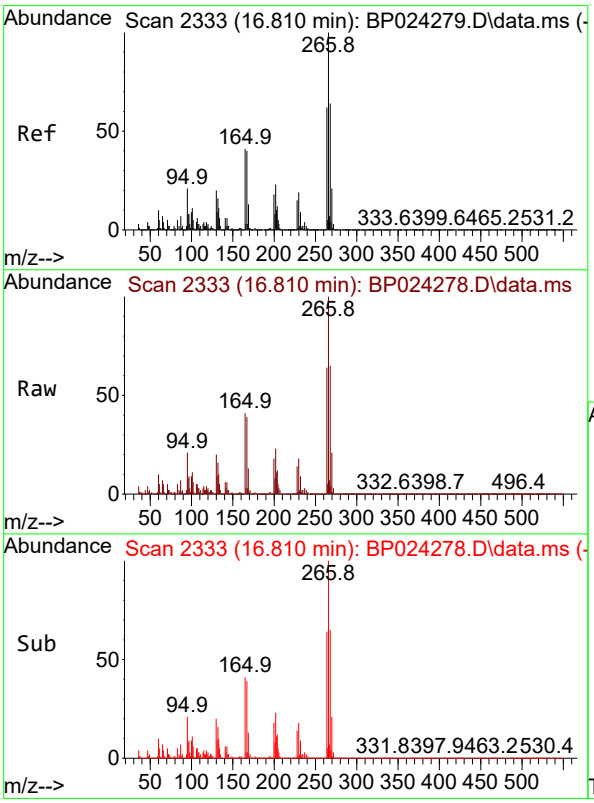
#69
Atrazine
Concen: 17.573 ng
RT: 16.616 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 184151

Ion	Ratio	Lower	Upper
200	100		
173	26.9	7.5	47.5
215	47.4	28.8	68.8

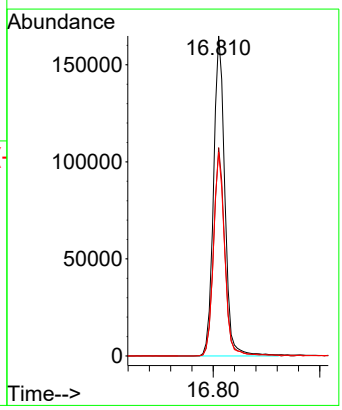


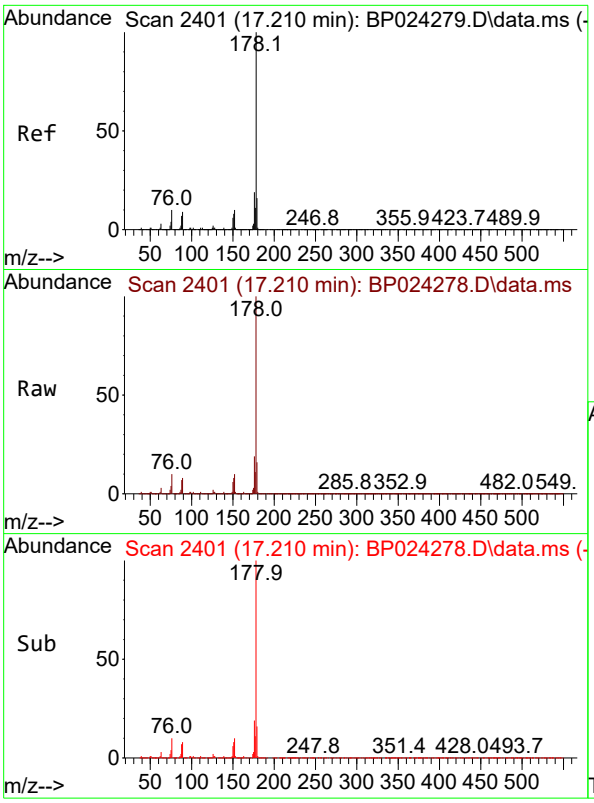


#70
Pentachlorophenol
Concen: 19.702 ng
RT: 16.810 min Scan# 2333
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:266 Resp: 241815

Ion	Ratio	Lower	Upper
266	100		
268	65.1	51.0	76.6
264	63.6	49.8	74.6



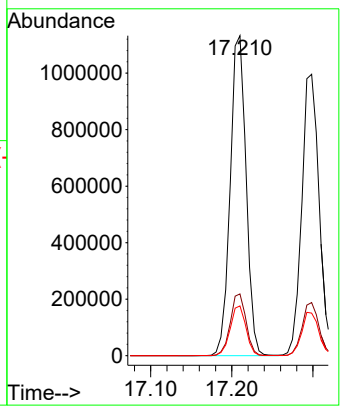


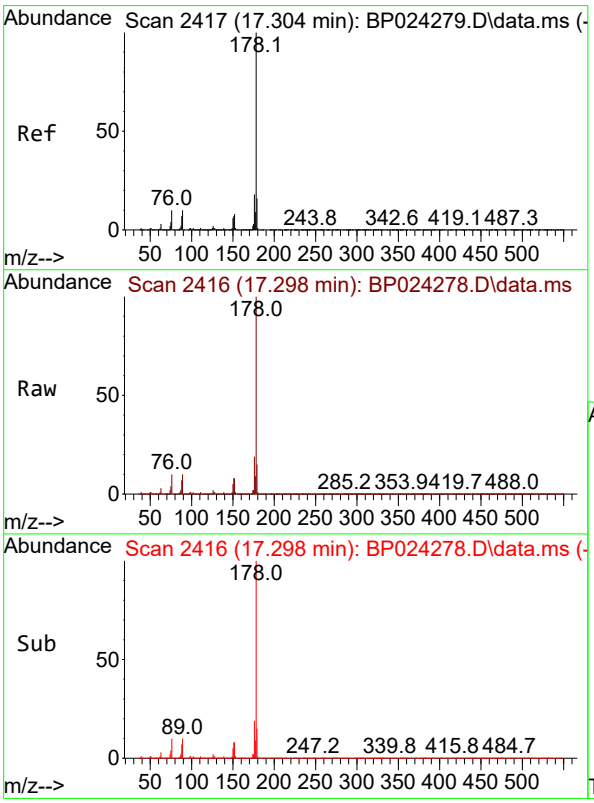
#71
Phenanthrene
Concen: 20.378 ng
RT: 17.210 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 1540112

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.6	12.5	18.7

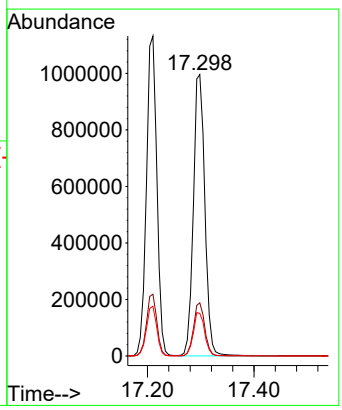


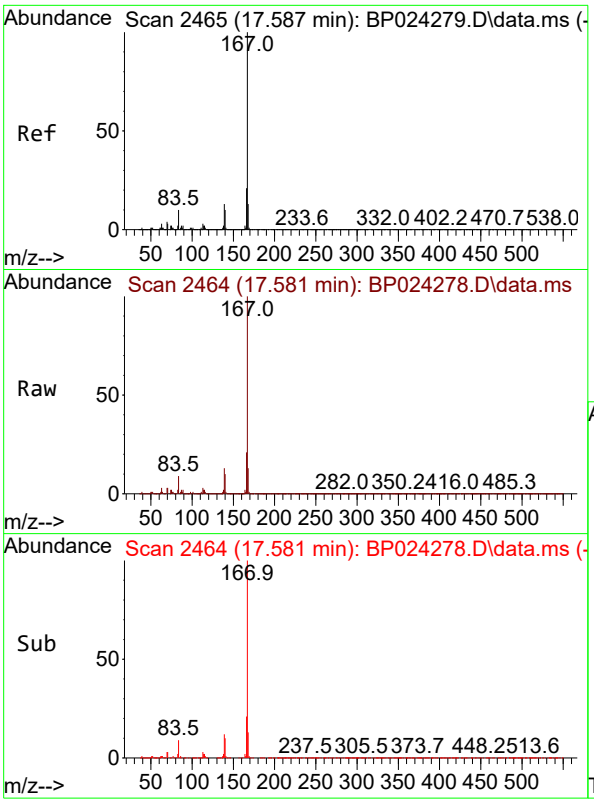


#72
Anthracene
Concen: 20.543 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:178 Resp: 1494006

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.1	12.4	18.6



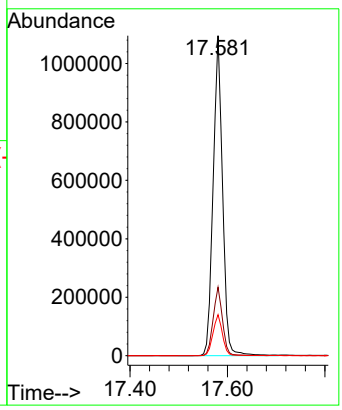


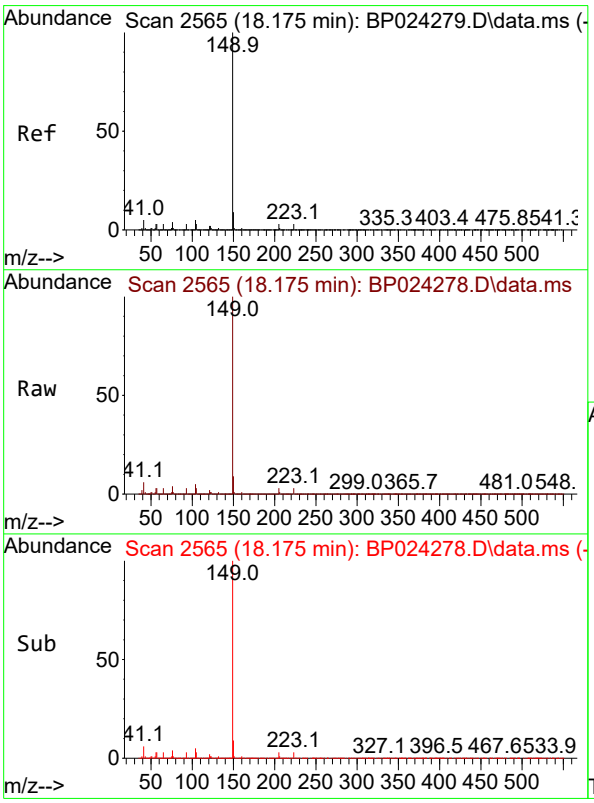
#73
Carbazole
Concen: 20.653 ng
RT: 17.581 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 1461729

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	12.8	10.6	16.0

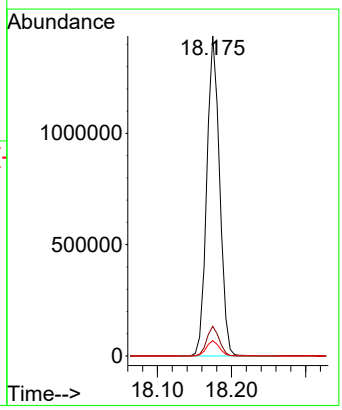


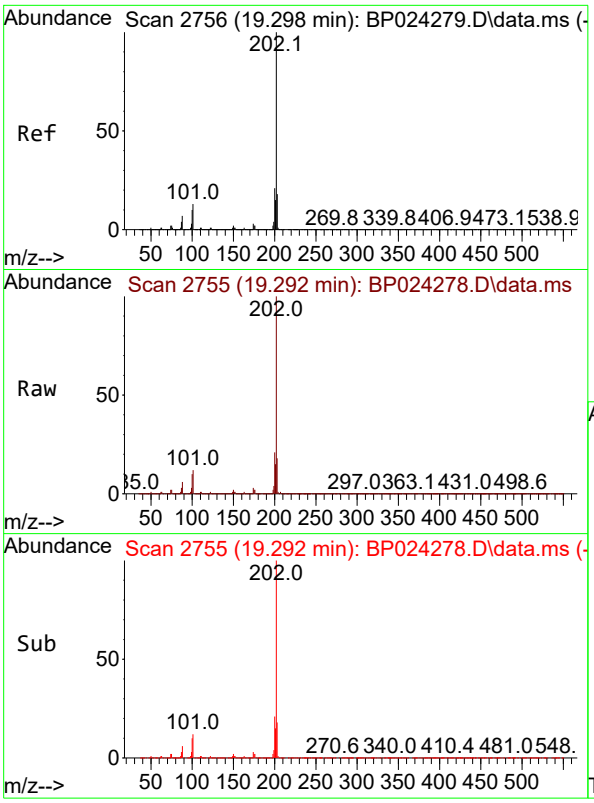


#74
Di-n-butylphthalate
Concen: 19.585 ng
RT: 18.175 min Scan# 2565
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:149 Resp: 1727074

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	4.8	3.9	5.9



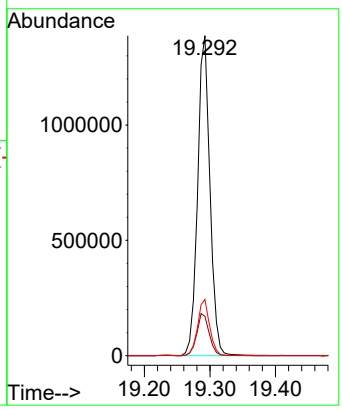


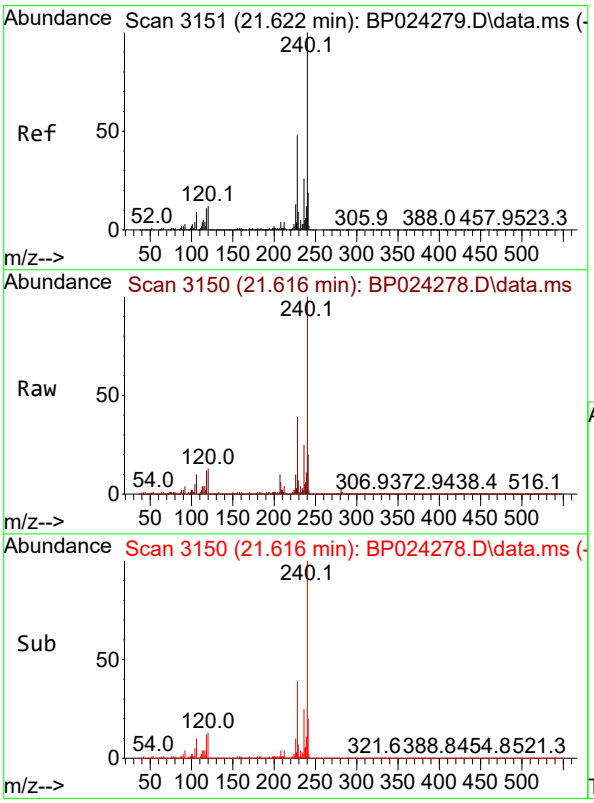
#75
Fluoranthene
Concen: 20.218 ng
RT: 19.292 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 1813662

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	33.2
203	17.6	0.0	37.7

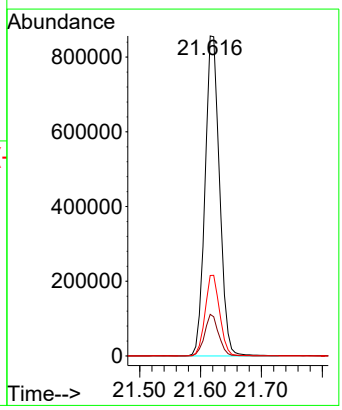


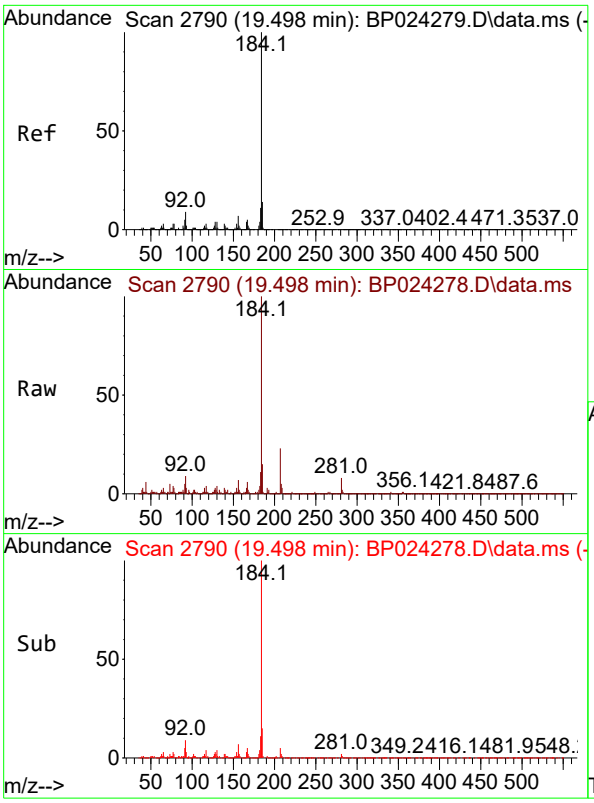


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.616 min Scan# 3150
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:240 Resp: 1415765

Ion	Ratio	Lower	Upper
240	100		
120	13.0	9.8	14.8
236	25.2	20.9	31.3



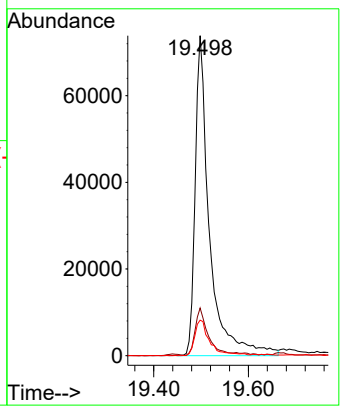


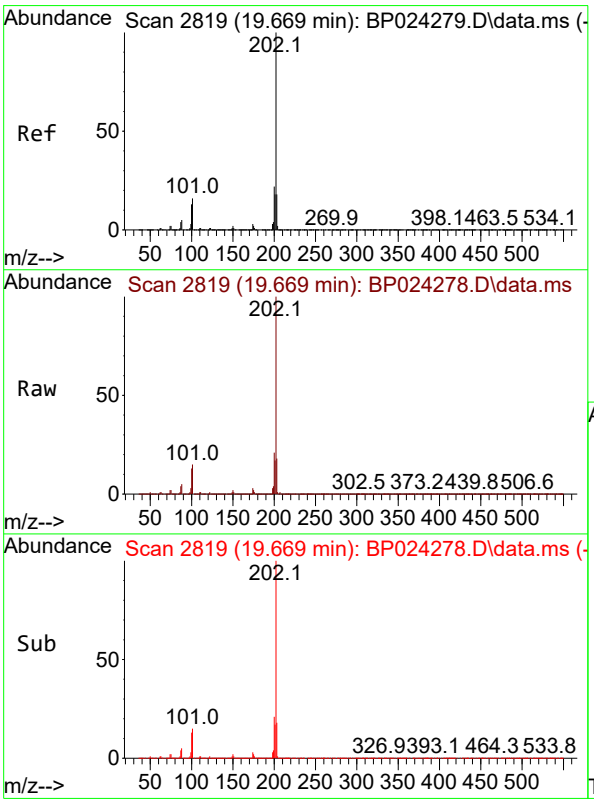
#77
Benzidine
Concen: 8.867 ng
RT: 19.498 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 154964

Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.6	17.4
183	11.1	9.2	13.8

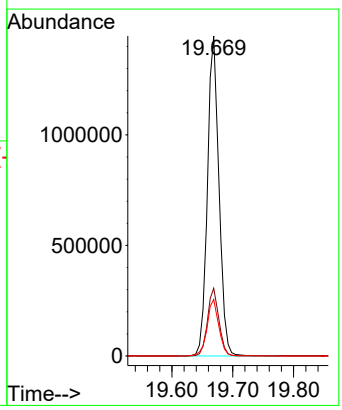


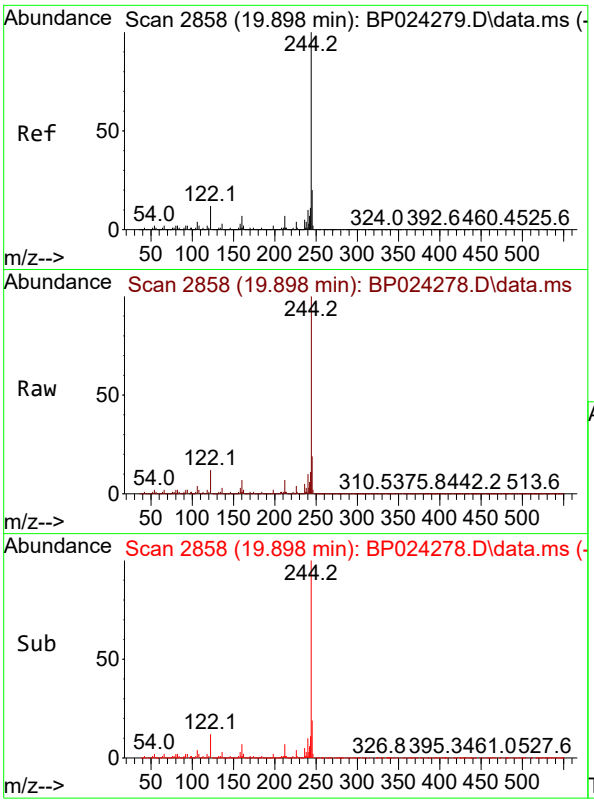


#78
Pyrene
Concen: 21.028 ng
RT: 19.669 min Scan# 2819
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:202 Resp: 1904884

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	17.6	14.4	21.6



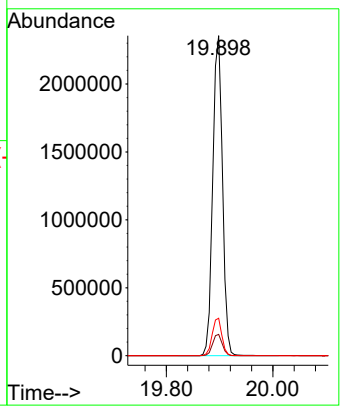


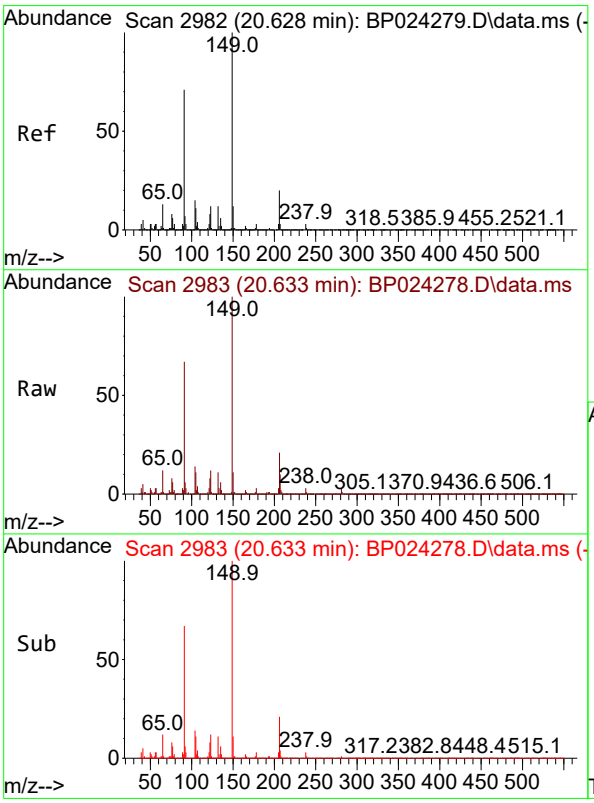
#79
Terphenyl-d14
Concen: 42.062 ng
RT: 19.898 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 2987245

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	11.7	9.4	14.0

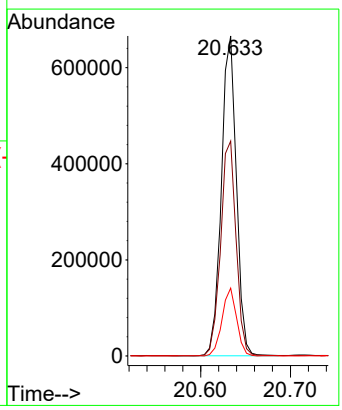


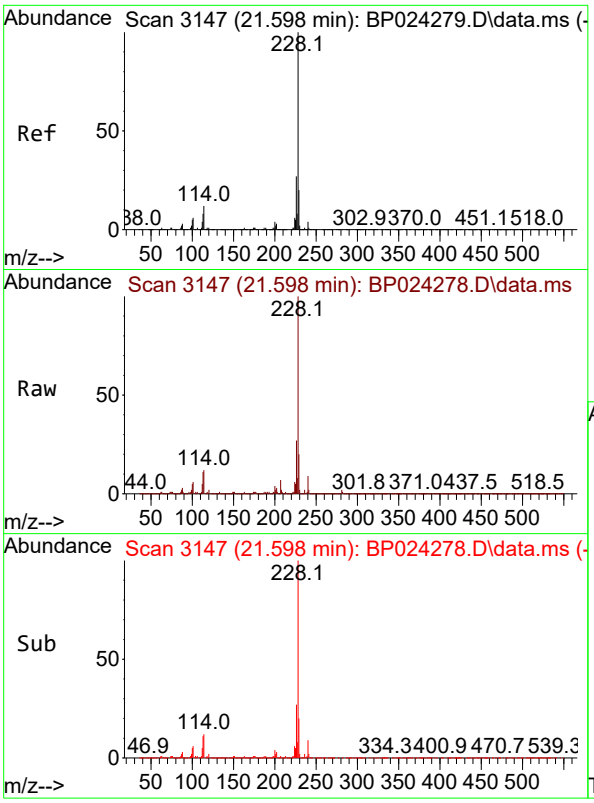


#80
Butylbenzylphthalate
Concen: 20.235 ng
RT: 20.633 min Scan# 2983
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:149 Resp: 772776

Ion	Ratio	Lower	Upper
149	100		
91	67.1	56.4	84.6
206	21.2	16.3	24.5



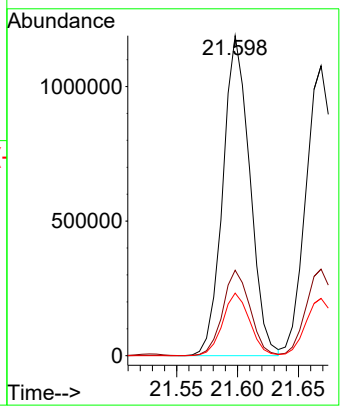


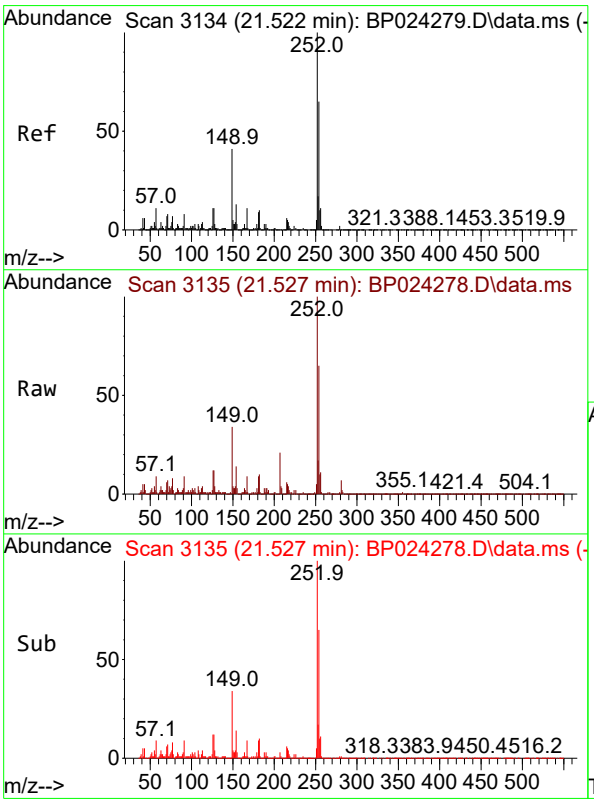
#81
Benzo(a)anthracene
Concen: 20.732 ng
RT: 21.598 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1829798

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.8	32.8
229	19.6	15.9	23.9

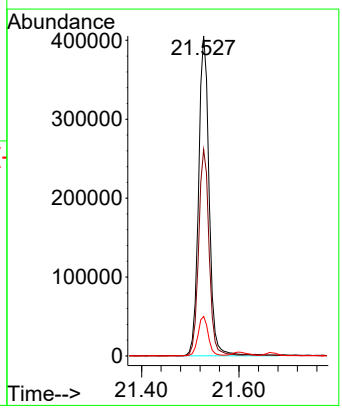


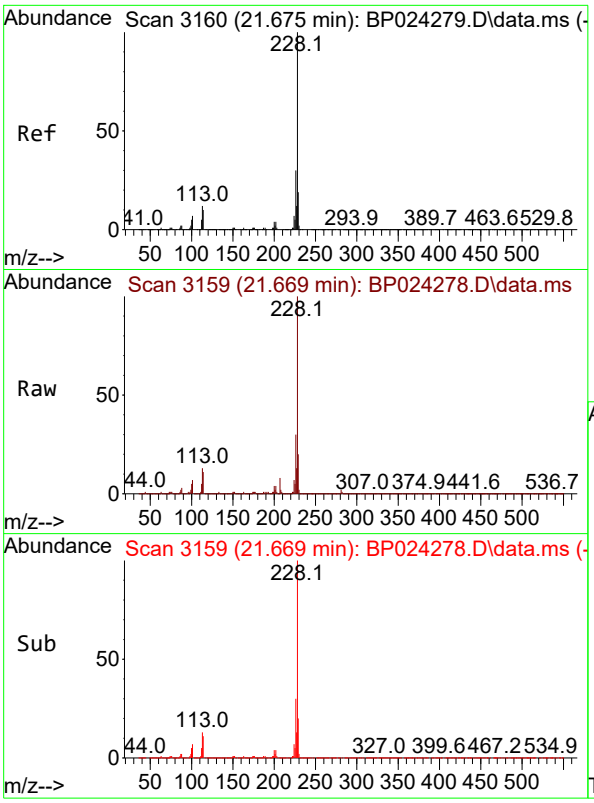


#82
3,3'-Dichlorobenzidine
Concen: 19.956 ng
RT: 21.527 min Scan# 3135
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:252 Resp: 610749

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.7	77.5
126	12.4	8.8	13.2



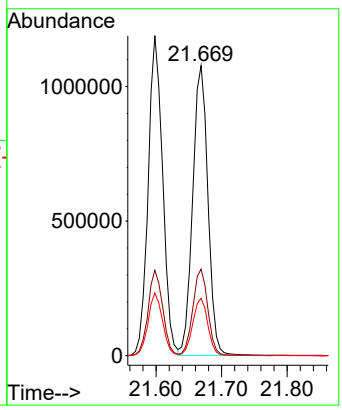


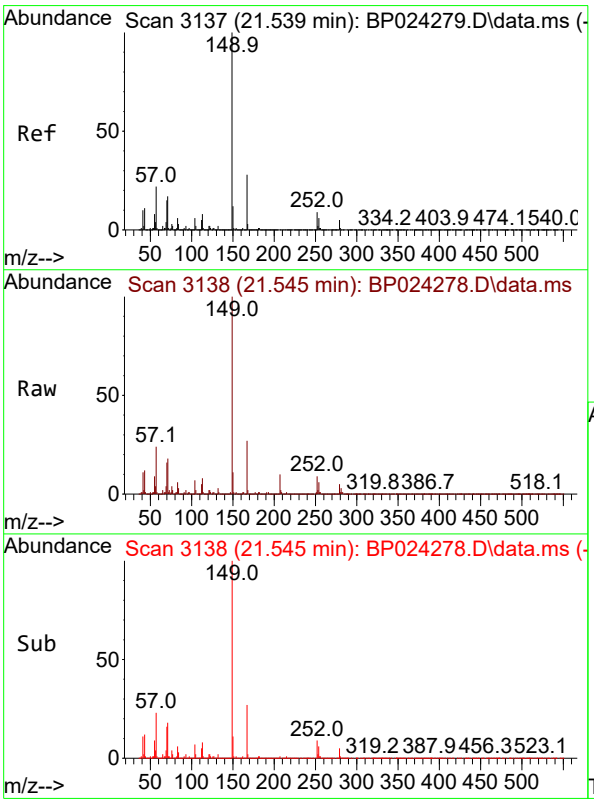
#83
Chrysene
Concen: 20.565 ng
RT: 21.669 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1739548

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.2	36.2
229	19.8	15.6	23.4

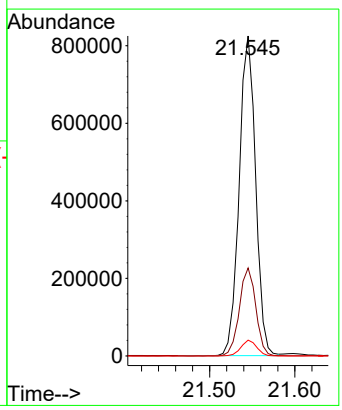


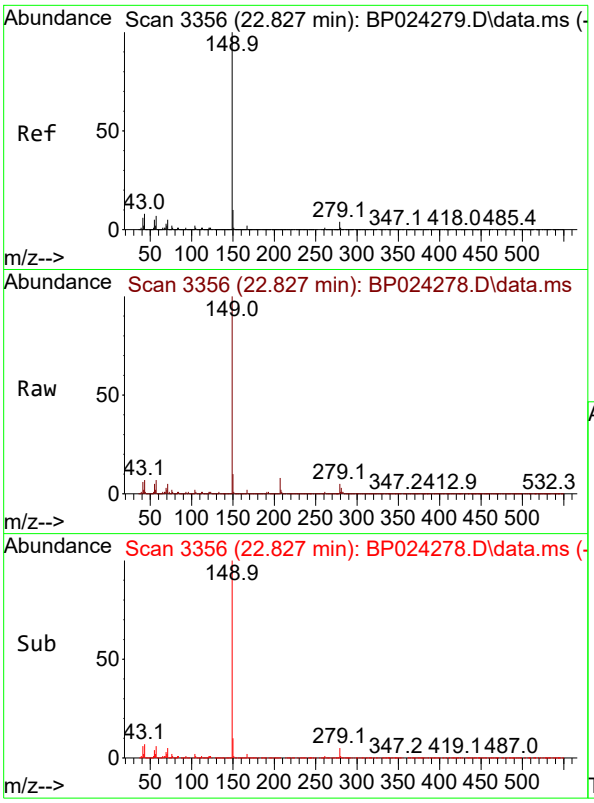


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.616 ng
RT: 21.545 min Scan# 3138
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:149 Resp: 1103263

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.4	33.6
279	4.9	4.0	6.0



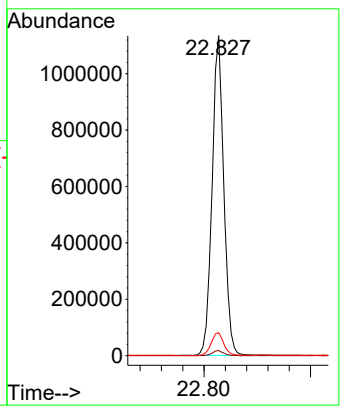


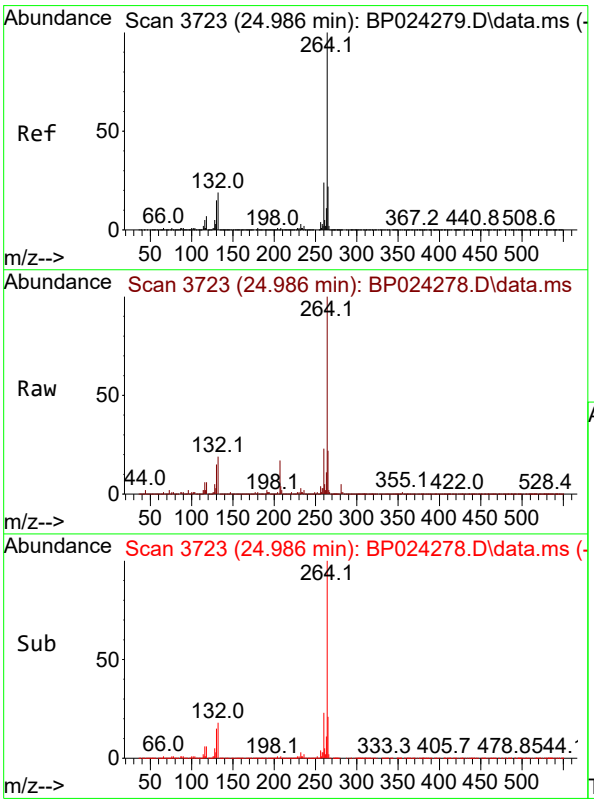
#85
Di-n-octyl phthalate
Concen: 19.207 ng
RT: 22.827 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 1730436

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	7.7	6.0	9.0

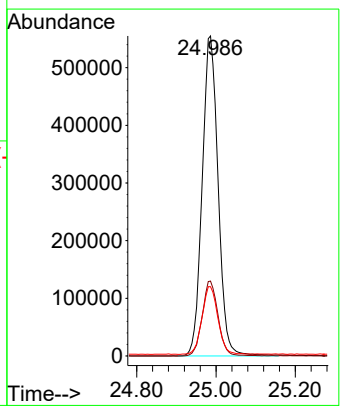


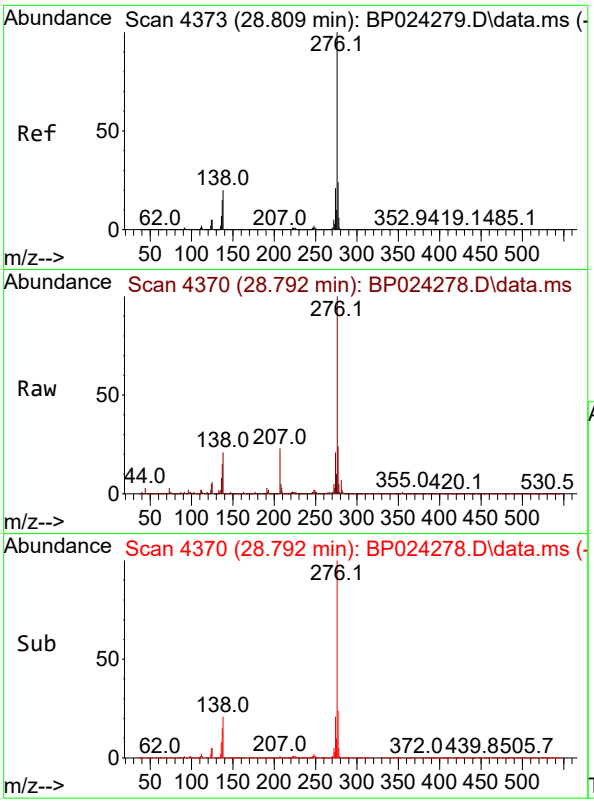


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.986 min Scan# 3723
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:264 Resp: 1549781

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.9	28.3
265	21.7	17.8	26.6



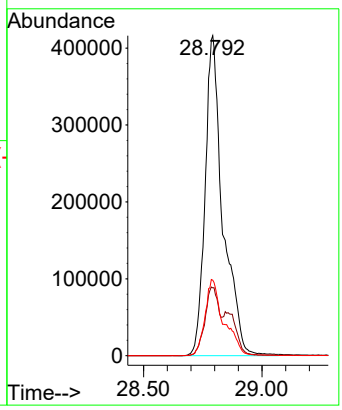


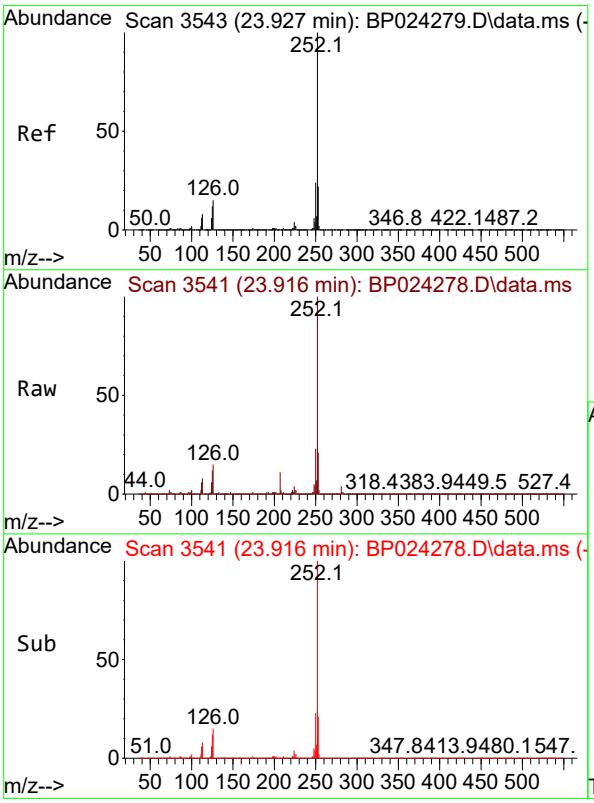
#87
Indeno(1,2,3-cd)pyrene
Concen: 20.454 ng
RT: 28.792 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 2180177

Ion	Ratio	Lower	Upper
276	100		
138	16.7	14.5	21.7
277	25.2	20.2	30.2

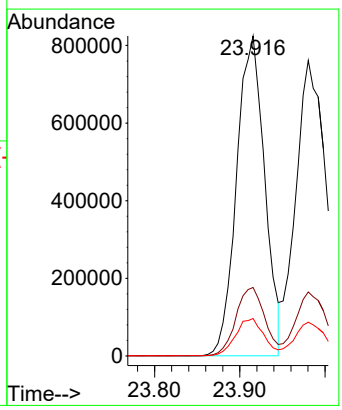


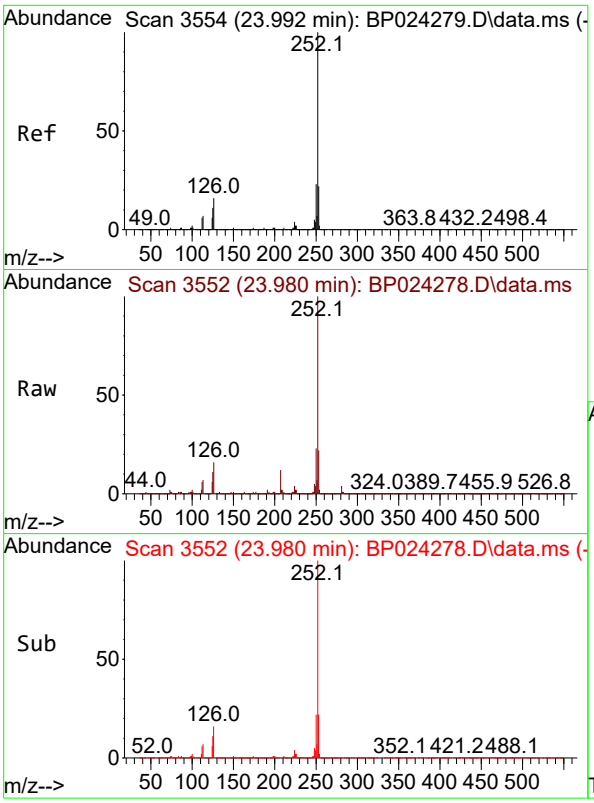


#88
Benzo(b)fluoranthene
Concen: 20.337 ng
RT: 23.916 min Scan# 3541
Delta R.T. -0.012 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:252 Resp: 1885654

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.7	26.5
125	11.7	9.4	14.0



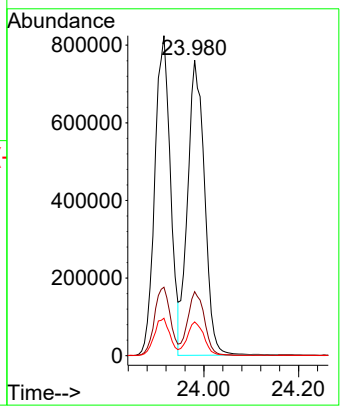


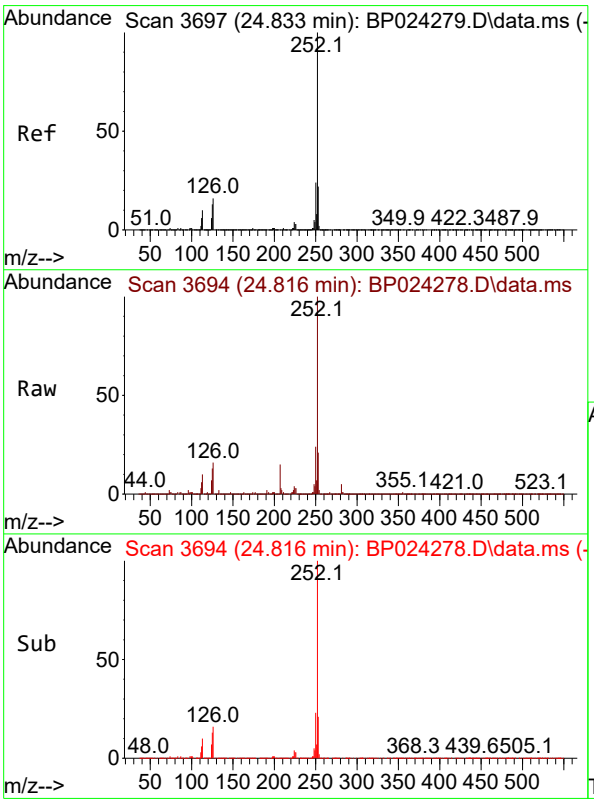
#89
Benzo(k)fluoranthene
Concen: 20.955 ng
RT: 23.980 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 1885747

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	11.4	9.1	13.7

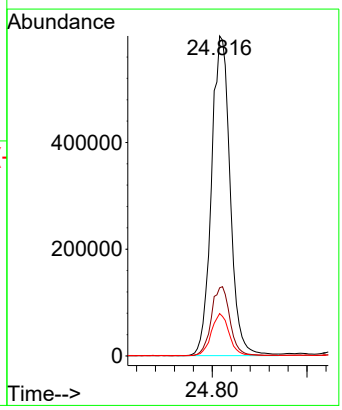


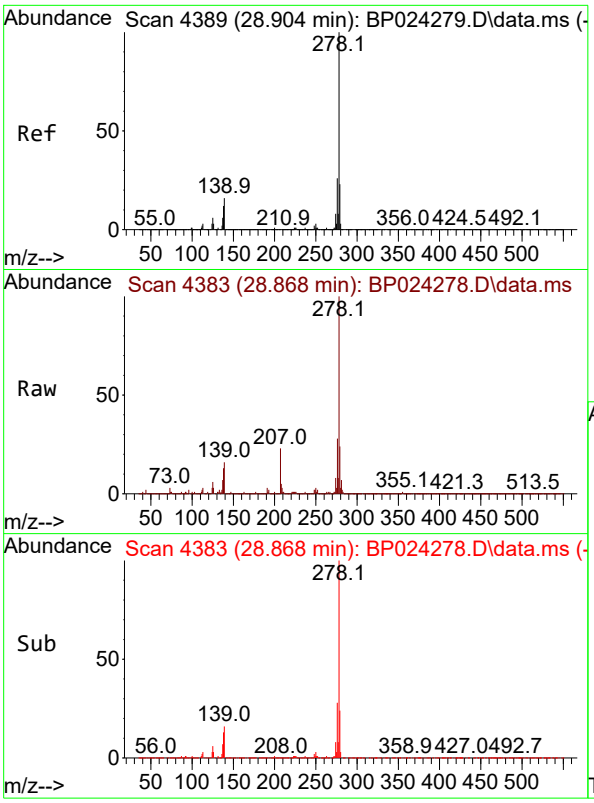


#90
Benzo(a)pyrene
Concen: 20.518 ng
RT: 24.816 min Scan# 3694
Delta R.T. -0.018 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:252 Resp: 1637648

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.6	26.4
125	13.2	10.1	15.1



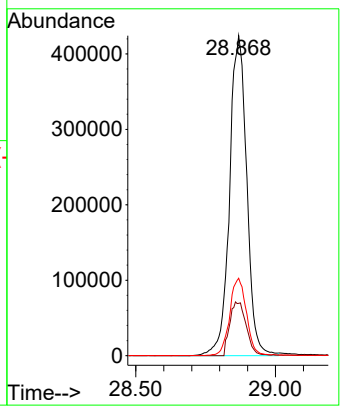


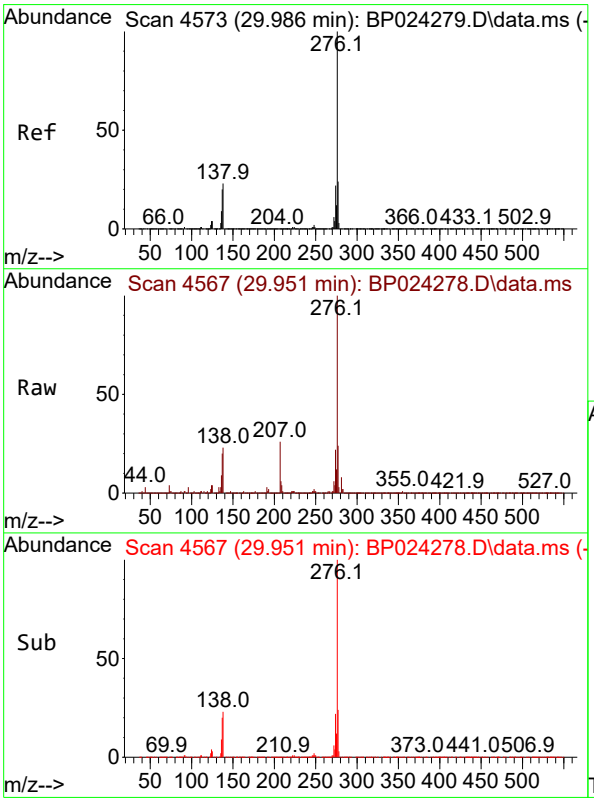
#91
Dibenzo(a,h)anthracene
Concen: 20.480 ng
RT: 28.868 min Scan# 4
Delta R.T. -0.035 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 1815743

Ion	Ratio	Lower	Upper
278	100		
139	16.4	12.6	19.0
279	24.2	18.5	27.7

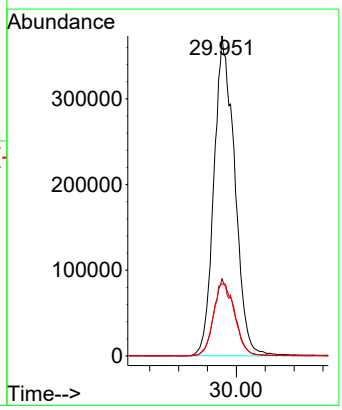




#92
Benzo(g,h,i)perylene
Concen: 20.571 ng
RT: 29.951 min Scan# 4567
Delta R.T. -0.035 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:276 Resp: 1856380

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.9	28.3
138	22.6	18.7	28.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024279.D
Acq On : 14 Apr 2025 13:49
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Apr 14 17:26:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	246363	20.000	ng	0.00
21) Naphthalene-d8	10.505	136	1046876	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	657357	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1277198	20.000	ng	0.00
76) Chrysene-d12	21.622	240	1349860	20.000	ng	0.00
86) Perylene-d12	24.986	264	1485135	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	1236220	82.813	ng	0.00
7) Phenol-d6	6.916	99	1722202	84.332	ng	0.00
23) Nitrobenzene-d5	8.875	82	1540790	83.791	ng	0.00
42) 2,4,6-Tribromophenol	15.881	330	759528	84.379	ng	0.00
45) 2-Fluorobiphenyl	12.969	172	3591010	82.939	ng	0.00
79) Terphenyl-d14	19.898	244	5570563	82.266	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.293	88	252519	39.624	ng	100
3) Pyridine	3.693	79	687730	41.457	ng	100
4) n-Nitrosodimethylamine	3.599	42	225273	40.725	ng	100
6) Aniline	7.069	93	781907	42.413	ng	100
8) 2-Chlorophenol	7.305	128	689257	41.317	ng	100
9) Benzaldehyde	6.881	77	411846	38.937	ng	100
10) Phenol	6.940	94	862244	42.050	ng	100
11) bis(2-Chloroethyl)ether	7.164	93	688989	41.581	ng	100
12) 1,3-Dichlorobenzene	7.622	146	732329	40.516	ng	100
13) 1,4-Dichlorobenzene	7.763	146	736270	40.171	ng	100
14) 1,2-Dichlorobenzene	8.081	146	711951	40.172	ng	100
15) Benzyl Alcohol	7.969	79	570437	43.581	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.252	45	746041	41.386	ng	100
17) 2-Methylphenol	8.169	107	561621	42.503	ng	100
18) Hexachloroethane	8.799	117	266915	40.349	ng	100
19) n-Nitroso-di-n-propyla...	8.528	70	533912	42.092	ng	100
20) 3+4-Methylphenols	8.499	107	784336	42.854	ng	100
22) Acetophenone	8.546	105	1086788	41.770	ng	100
24) Nitrobenzene	8.922	77	762756	41.852	ng	100
25) Isophorone	9.440	82	1408146	42.419	ng	100
26) 2-Nitrophenol	9.628	139	383751	43.852	ng	100
27) 2,4-Dimethylphenol	9.687	122	472488	42.600	ng	100
28) bis(2-Chloroethoxy)met...	9.922	93	947250	41.926	ng	100
29) 2,4-Dichlorophenol	10.157	162	645849	42.725	ng	100
30) 1,2,4-Trichlorobenzene	10.369	180	671264	41.046	ng	100
31) Naphthalene	10.557	128	2258924	40.765	ng	100
32) Benzoic acid	9.828	122	506813	42.286	ng	100
33) 4-Chloroaniline	10.669	127	830870	42.913	ng	100
34) Hexachlorobutadiene	10.846	225	394737	41.146	ng	100
35) Caprolactam	11.452	113	234519	42.256	ng	100
36) 4-Chloro-3-methylphenol	11.793	107	747541	42.438	ng	100
37) 2-Methylnaphthalene	12.163	142	1580497	41.154	ng	100
38) 1-Methylnaphthalene	12.381	142	1530982	40.695	ng	100
40) 1,2,4,5-Tetrachloroben...	12.540	216	757748	41.945	ng	100
41) Hexachlorocyclopentadiene	12.522	237	286135	45.116	ng	100
43) 2,4,6-Trichlorophenol	12.781	196	511566	43.038	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024279.D
Acq On : 14 Apr 2025 13:49
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Apr 14 17:26:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.857	196	561631	42.637	ng	100
46) 1,1'-Biphenyl	13.187	154	2010029	41.404	ng	100
47) 2-Chloronaphthalene	13.228	162	1497152	41.328	ng	100
48) 2-Nitroaniline	13.434	65	434050	43.377	ng	100
49) Acenaphthylene	14.081	152	2384785	41.944	ng	100
50) Dimethylphthalate	13.822	163	1965142	40.976	ng	100
51) 2,6-Dinitrotoluene	13.934	165	427248	42.283	ng	100
52) Acenaphthene	14.434	154	1480526	40.947	ng	100
53) 3-Nitroaniline	14.269	138	465347	44.389	ng	100
54) 2,4-Dinitrophenol	14.481	184	244714	45.231	ng	100
55) Dibenzofuran	14.775	168	2409526	40.633	ng	100
56) 4-Nitrophenol	14.593	139	401591	44.564	ng	100
57) 2,4-Dinitrotoluene	14.734	165	588798	43.110	ng	100
58) Fluorene	15.434	166	1838264	40.150	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.004	232	511714	41.987	ng	100
60) Diethylphthalate	15.204	149	2037863	41.286	ng	100
61) 4-Chlorophenyl-phenyle...	15.428	204	894350	40.226	ng	100
62) 4-Nitroaniline	15.457	138	485622	43.693	ng	100
63) Azobenzene	15.728	77	1881773	41.392	ng	100
65) 4,6-Dinitro-2-methylph...	15.510	198	335347	44.938	ng	100
66) n-Nitrosodiphenylamine	15.651	169	1609251	42.021	ng	100
67) 4-Bromophenyl-phenylether	16.340	248	587416	42.165	ng	100
68) Hexachlorobenzene	16.457	284	692546	41.815	ng	100
69) Atrazine	16.622	200	308618	31.786	ng	100
70) Pentachlorophenol	16.810	266	499858	43.955	ng	100
71) Phenanthrene	17.210	178	2879498	41.121	ng	100
72) Anthracene	17.304	178	2838724	42.130	ng	100
73) Carbazole	17.587	167	2770072	42.242	ng	100
74) Di-n-butylphthalate	18.175	149	3571220	43.708	ng	100
75) Fluoranthene	19.298	202	3441282	41.404	ng	100
77) Benzidine	19.498	184	1178258	70.714	ng	100
78) Pyrene	19.669	202	3523104	40.790	ng	100
80) Butylbenzylphthalate	20.628	149	1607881	44.158	ng	100
81) Benzo(a)anthracene	21.598	228	3489938	41.472	ng	100
82) 3,3'-Dichlorobenzidine	21.522	252	1311770	44.953	ng	100
83) Chrysene	21.675	228	3274153	40.596	ng	100
84) Bis(2-ethylhexyl)phtha...	21.539	149	2411998	44.979	ng	100
85) Di-n-octyl phthalate	22.827	149	3943939	45.913	ng	100
87) Indeno(1,2,3-cd)pyrene	28.809	276	4288630	41.987	ng	100
88) Benzo(b)fluoranthene	23.927	252	3737035	42.058	ng	100
89) Benzo(k)fluoranthene	23.992	252	3600626	41.753	ng	100
90) Benzo(a)pyrene	24.833	252	3240684	42.369	ng	100
91) Dibenzo(a,h)anthracene	28.904	278	3573562	42.061	ng	100
92) Benzo(g,h,i)perylene	29.986	276	3617069	41.826	ng	100

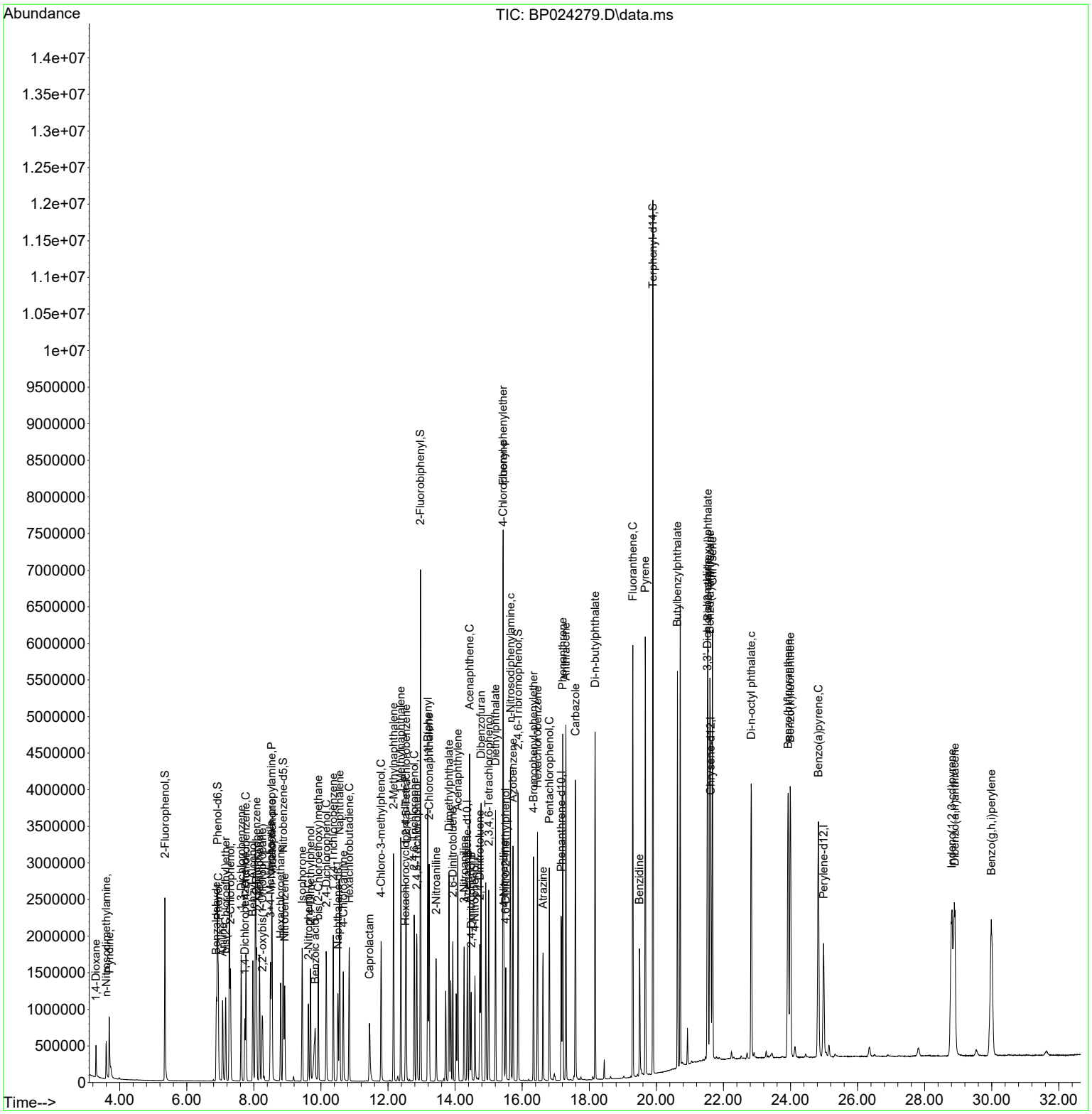
(#) = qualifier out of range (m) = manual integration (+) = signals summed

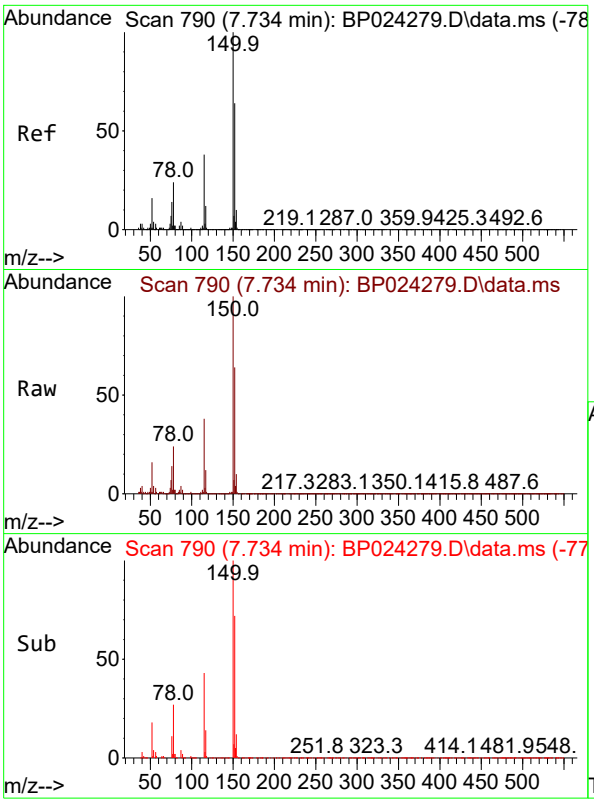
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024279.D
Acq On : 14 Apr 2025 13:49
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Apr 14 17:26:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



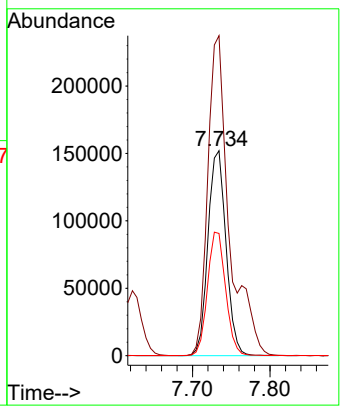


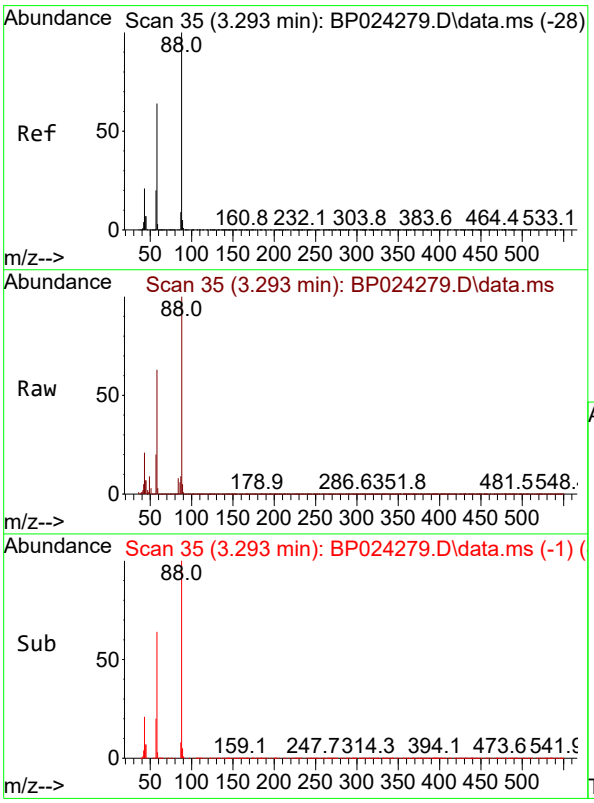
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 246363

Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.9	187.3
115	59.6	47.7	71.5

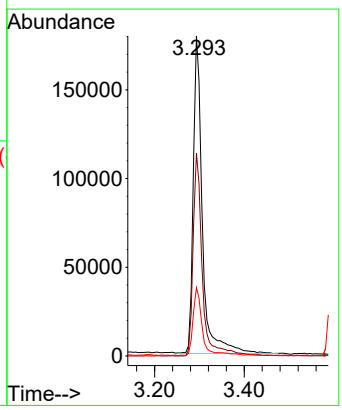


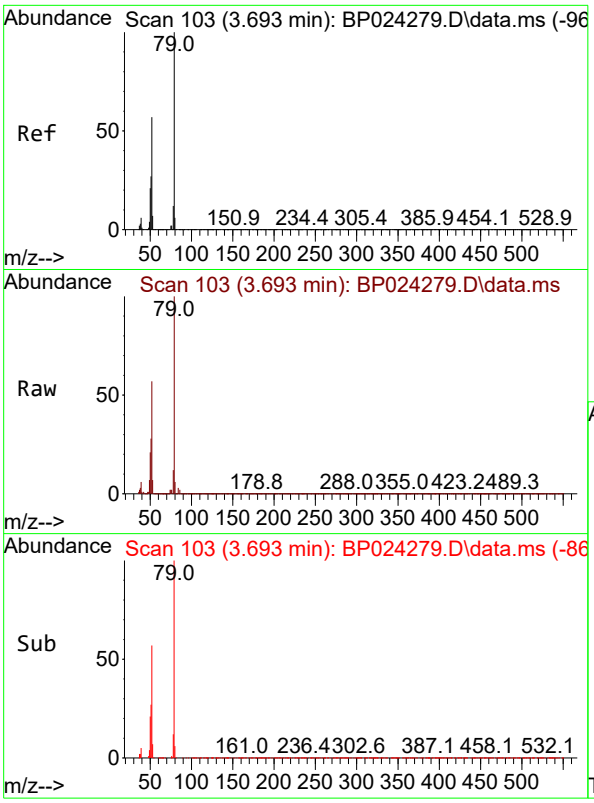


#2
1,4-Dioxane
Concen: 39.624 ng
RT: 3.293 min Scan# 35
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion: 88 Resp: 252519

Ion	Ratio	Lower	Upper
88	100		
58	64.3	51.4	77.2
43	21.4	17.1	25.7



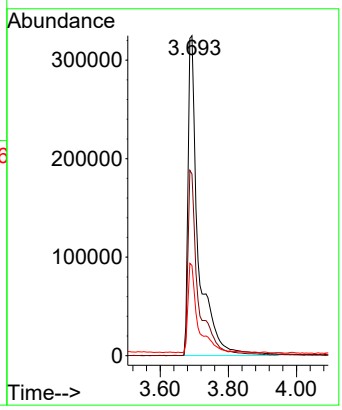


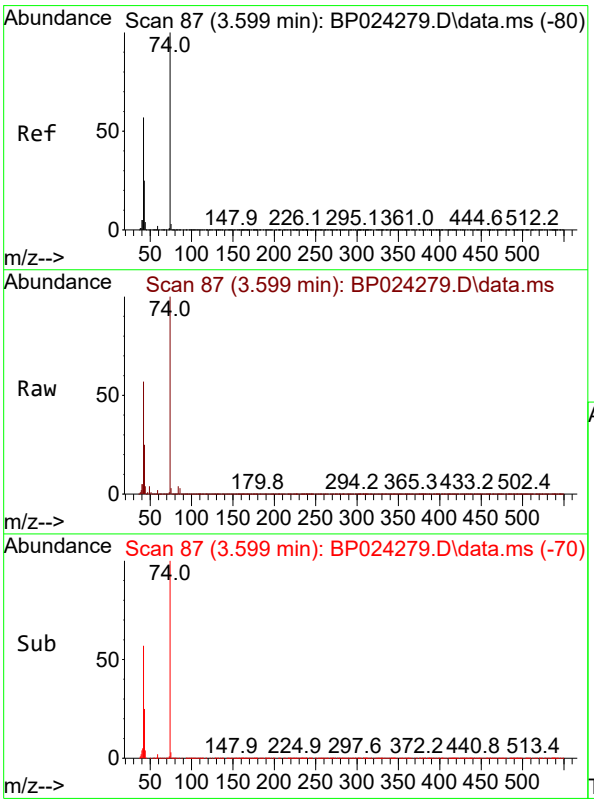
#3
Pyridine
Concen: 41.457 ng
RT: 3.693 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 687730

Ion	Ratio	Lower	Upper
79	100		
52	56.8	45.4	68.2
51	28.2	22.6	33.8

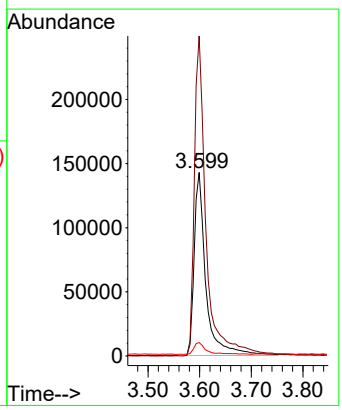


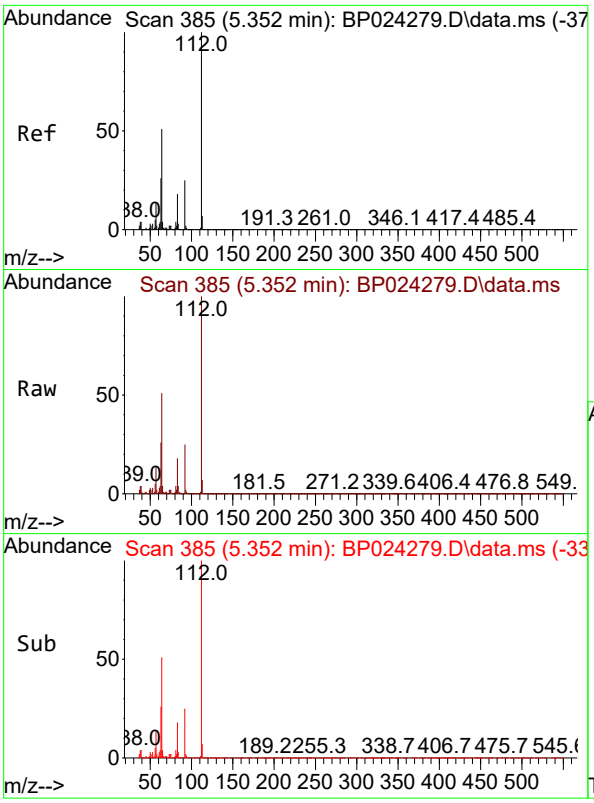


#4
n-Nitrosodimethylamine
Concen: 40.725 ng
RT: 3.599 min Scan# 87
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion: 42 Resp: 225273

Ion	Ratio	Lower	Upper
42	100		
74	174.4	139.5	209.3
44	7.3	5.8	8.8



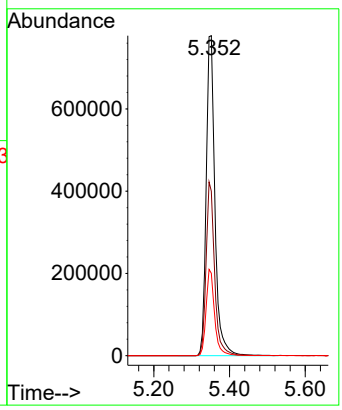


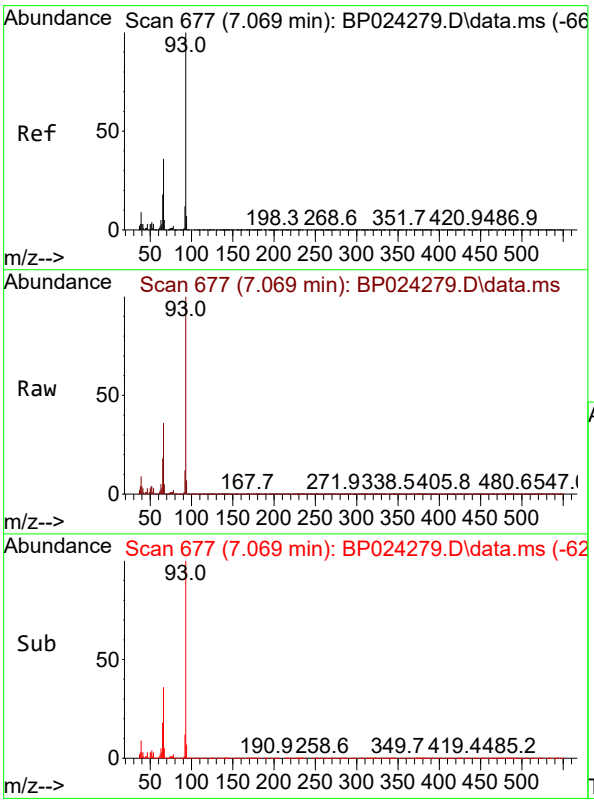
#5
2-Fluorophenol
Concen: 82.813 ng
RT: 5.352 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 1236220

Ion	Ratio	Lower	Upper
112	100		
64	51.4	41.1	61.7
63	25.7	20.6	30.8

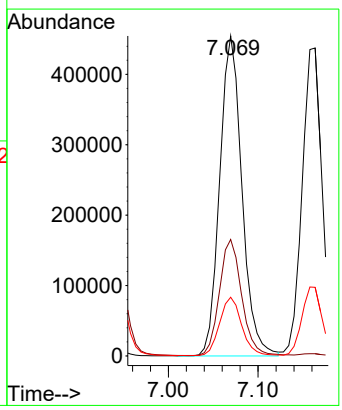


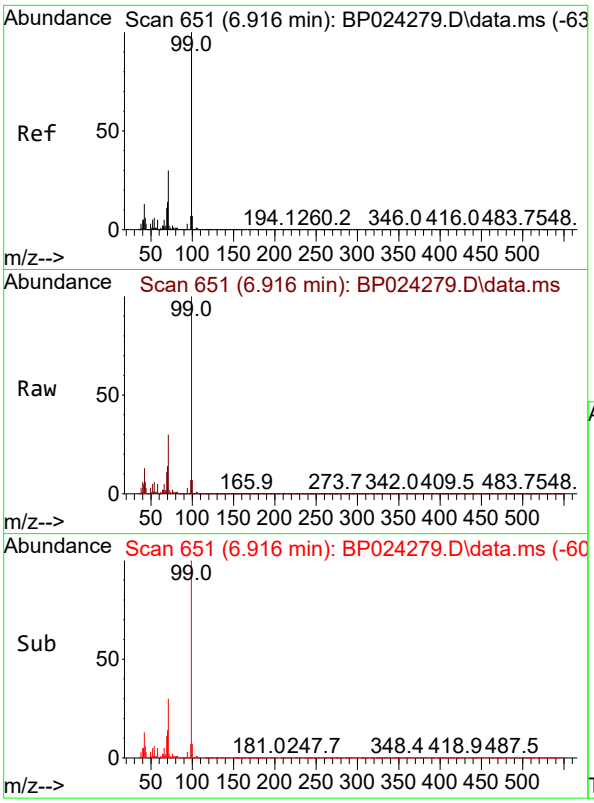


#6
Aniline
Concen: 42.413 ng
RT: 7.069 min Scan# 677
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion: 93 Resp: 781907

Ion	Ratio	Lower	Upper
93	100		
66	36.4	29.1	43.7
65	18.4	14.7	22.1



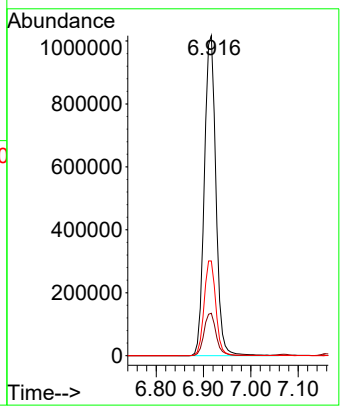


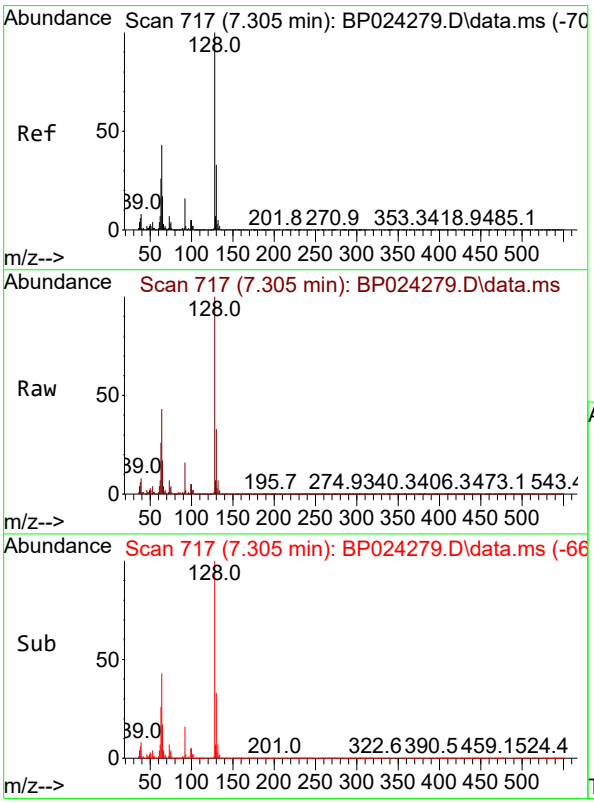
#7
Phenol-d6
Concen: 84.332 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 1722202

Ion	Ratio	Lower	Upper
99	100		
42	13.3	10.6	16.0
71	29.6	23.7	35.5

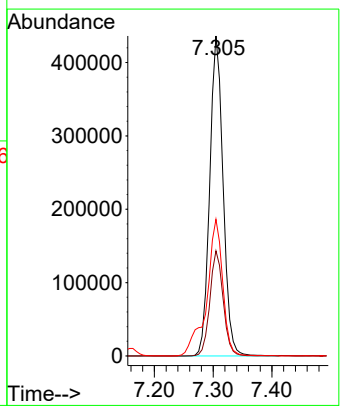


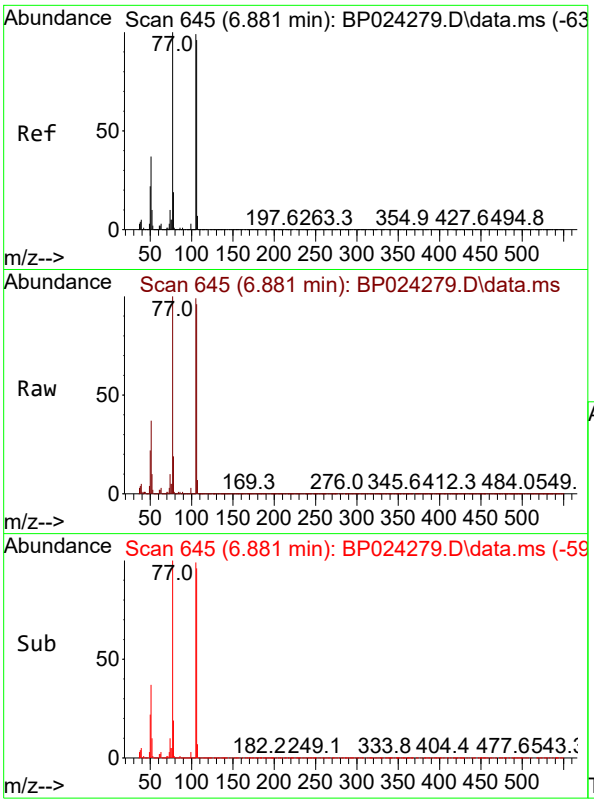


#8
2-Chlorophenol
Concen: 41.317 ng
RT: 7.305 min Scan# 717
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:128 Resp: 689257

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.9	52.9
64	42.7	22.7	62.7



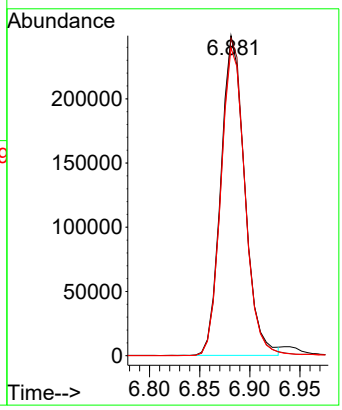


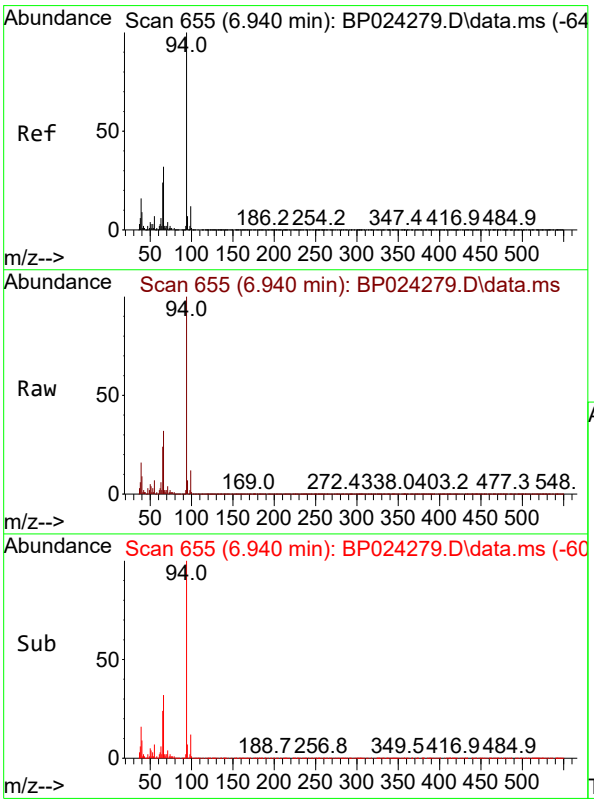
#9
Benzaldehyde
Concen: 38.937 ng
RT: 6.881 min Scan# 64
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 411846

Ion	Ratio	Lower	Upper
77	100		
105	99.2	79.2	119.2
106	96.2	76.2	116.2

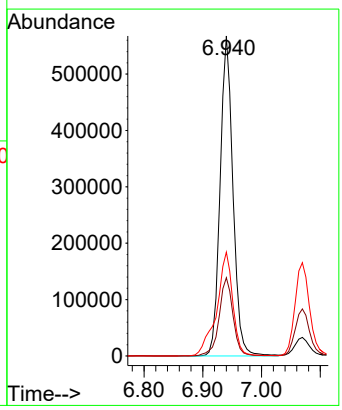


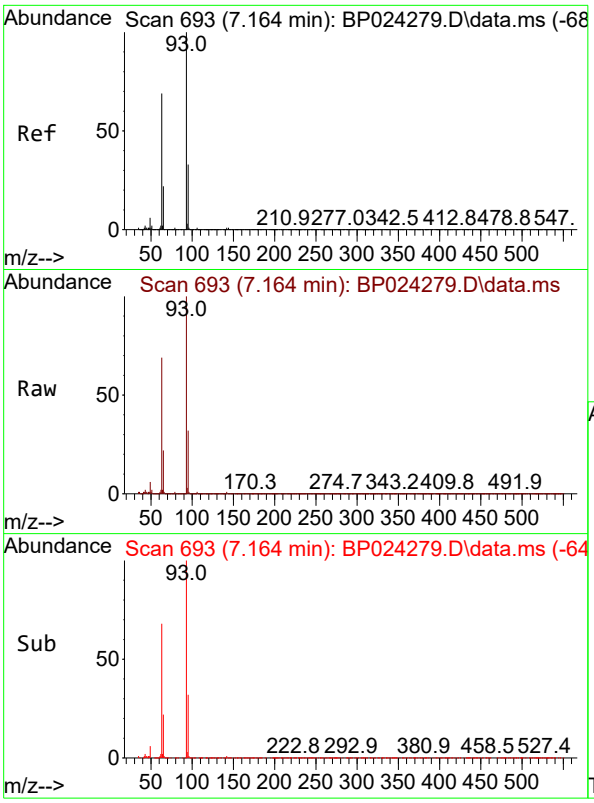


#10
Phenol
Concen: 42.050 ng
RT: 6.940 min Scan# 655
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion: 94 Resp: 862244

Ion	Ratio	Lower	Upper
94	100		
65	24.5	4.5	44.5
66	32.4	12.4	52.4



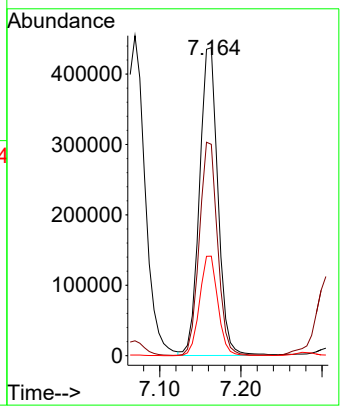


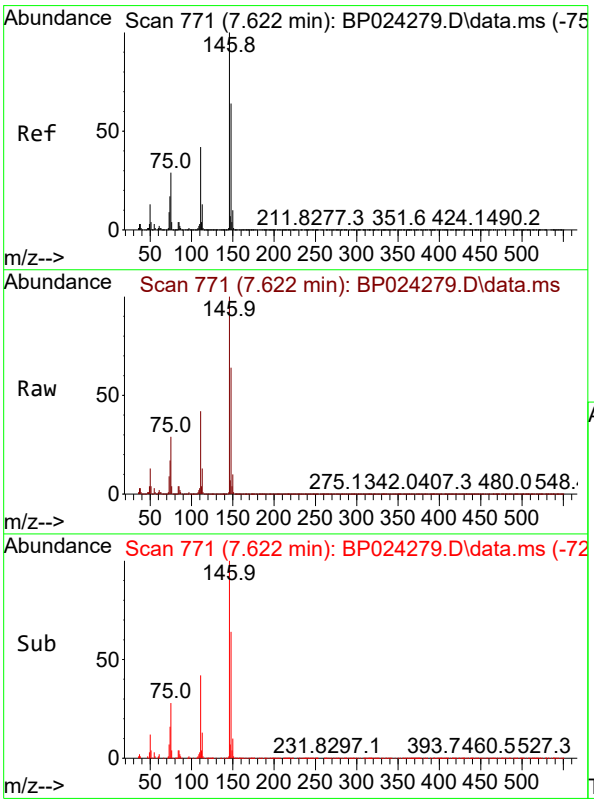
#11
bis(2-Chloroethyl)ether
Concen: 41.581 ng
RT: 7.164 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 688989

Ion	Ratio	Lower	Upper
93	100		
63	68.6	48.6	88.6
95	32.3	12.3	52.3

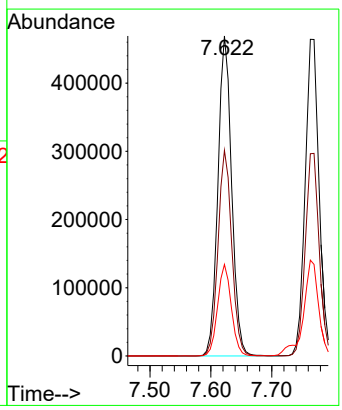


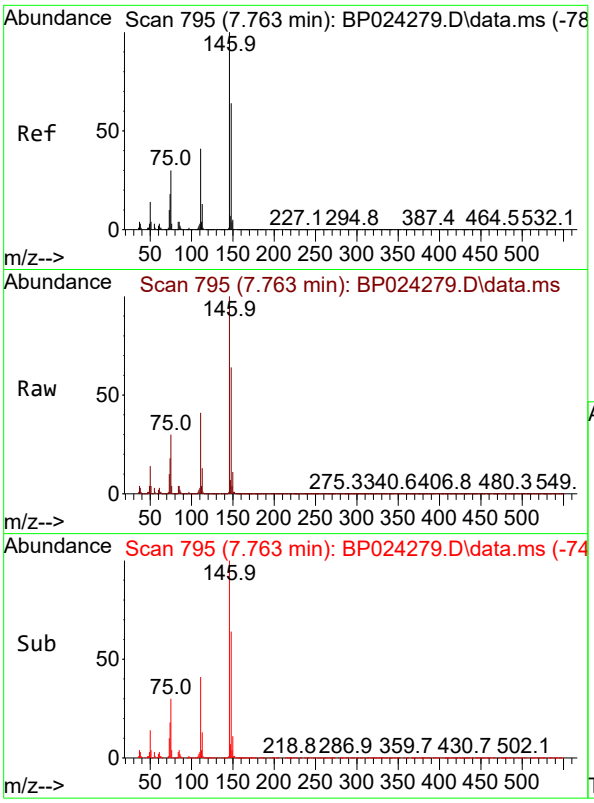


#12
1,3-Dichlorobenzene
Concen: 40.516 ng
RT: 7.622 min Scan# 771
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:146 Resp: 732329

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.4	77.0
75	28.6	22.9	34.3



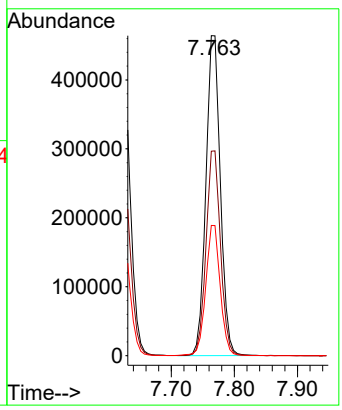


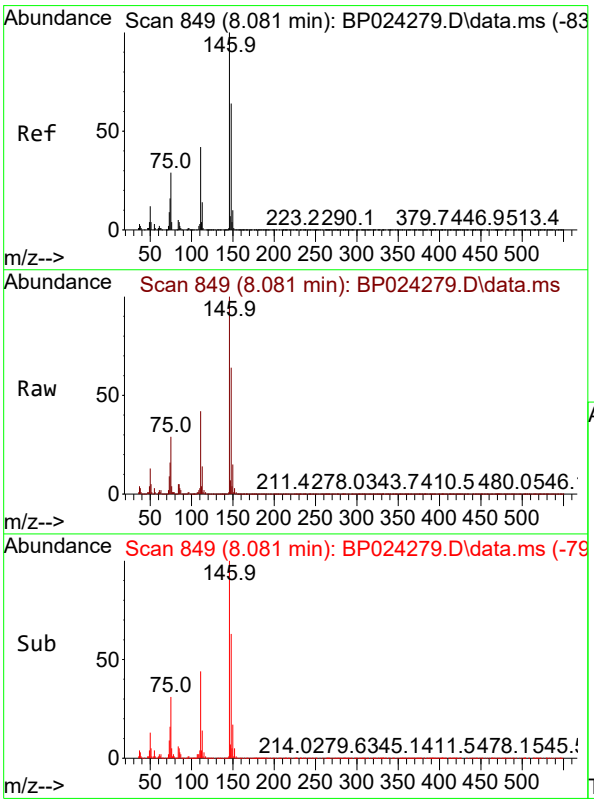
#13
1,4-Dichlorobenzene
Concen: 40.171 ng
RT: 7.763 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 736270

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.1	76.7
111	40.7	32.6	48.8

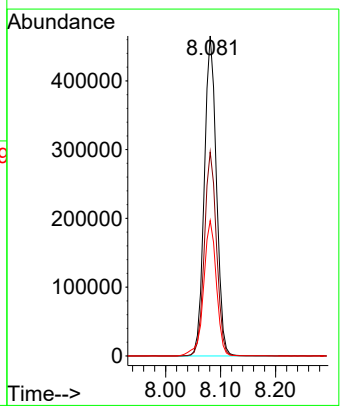


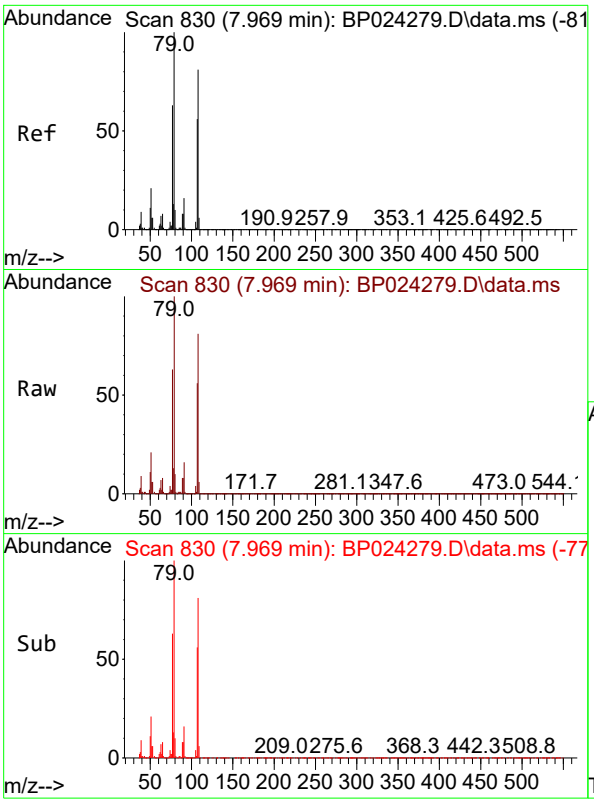


#14
1,2-Dichlorobenzene
Concen: 40.172 ng
RT: 8.081 min Scan# 849
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:146 Resp: 711951

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
111	42.3	33.8	50.8



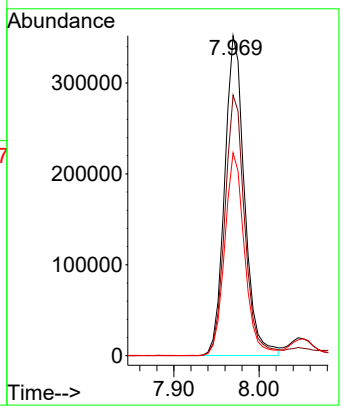


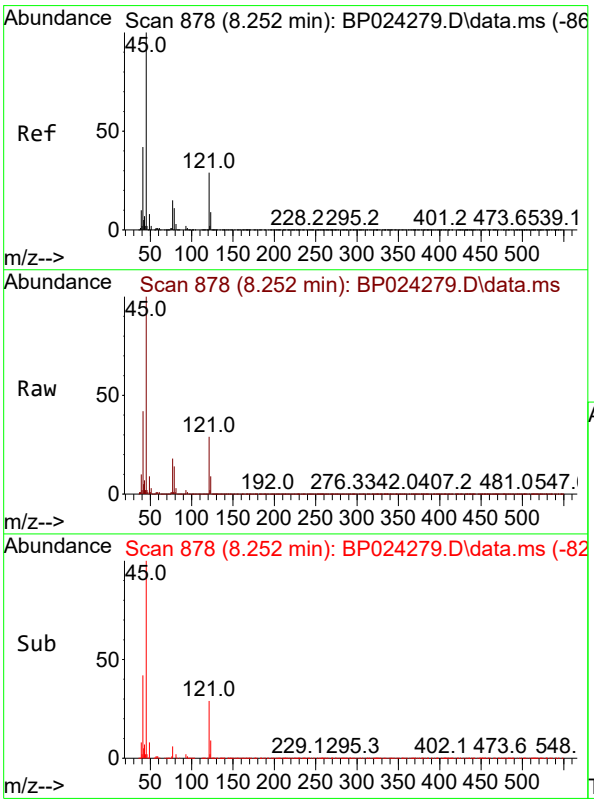
#15
Benzyl Alcohol
Concen: 43.581 ng
RT: 7.969 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 570437

Ion	Ratio	Lower	Upper
79	100		
108	81.4	65.1	97.7
77	63.4	50.7	76.1

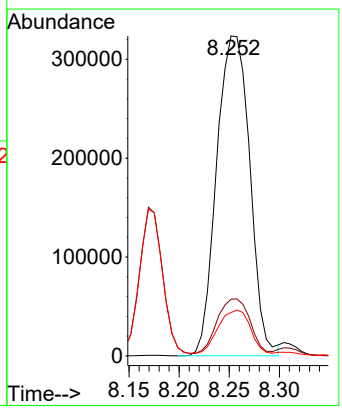


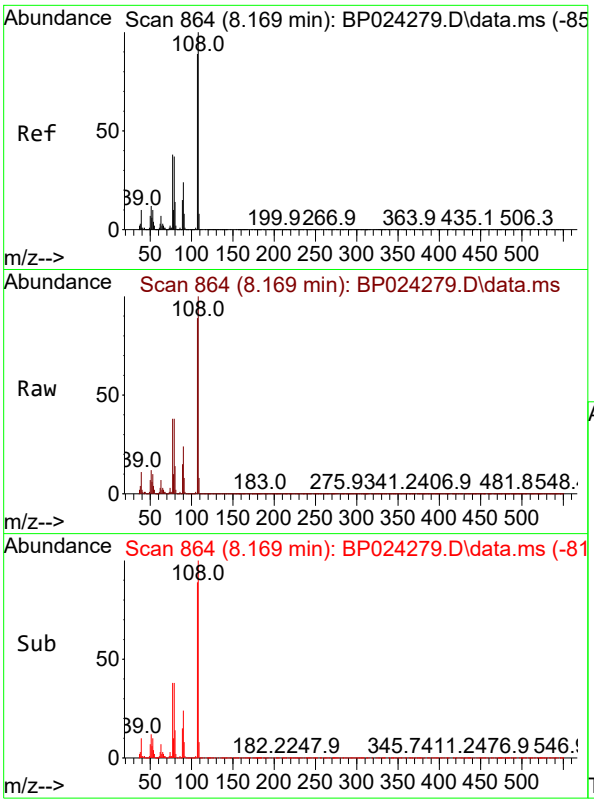


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.386 ng
RT: 8.252 min Scan# 878
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion: 45 Resp: 746041

Ion	Ratio	Lower	Upper
45	100		
77	17.7	0.0	37.7
79	13.5	0.0	33.5



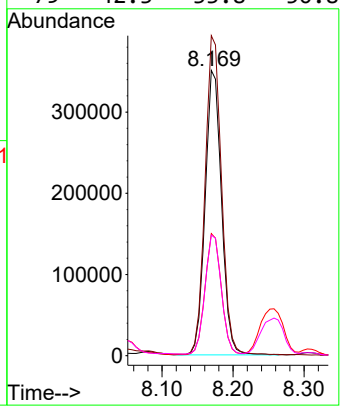


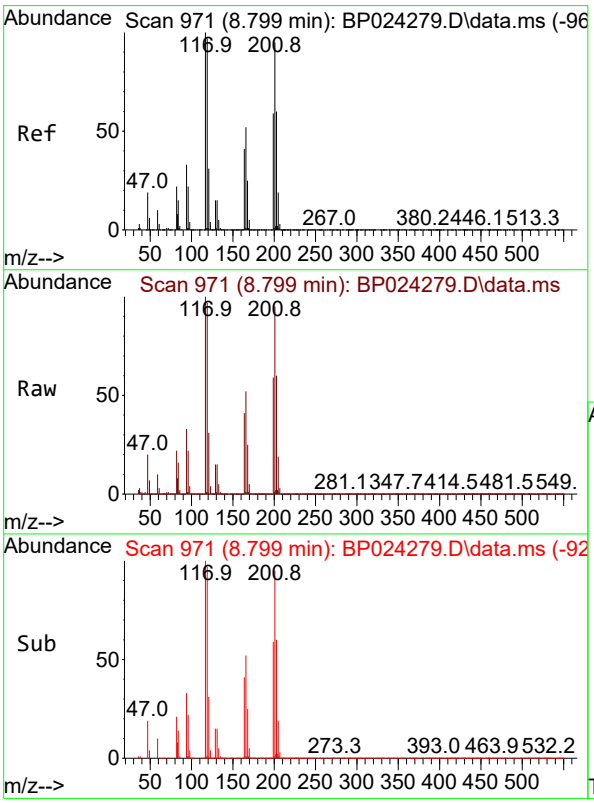
#17
2-Methylphenol
Concen: 42.503 ng
RT: 8.169 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 561621

Ion	Ratio	Lower	Upper
107	100		
108	112.2	89.8	134.6
77	42.8	34.2	51.4
79	42.3	33.8	50.8

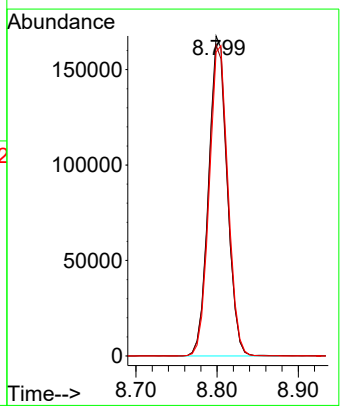


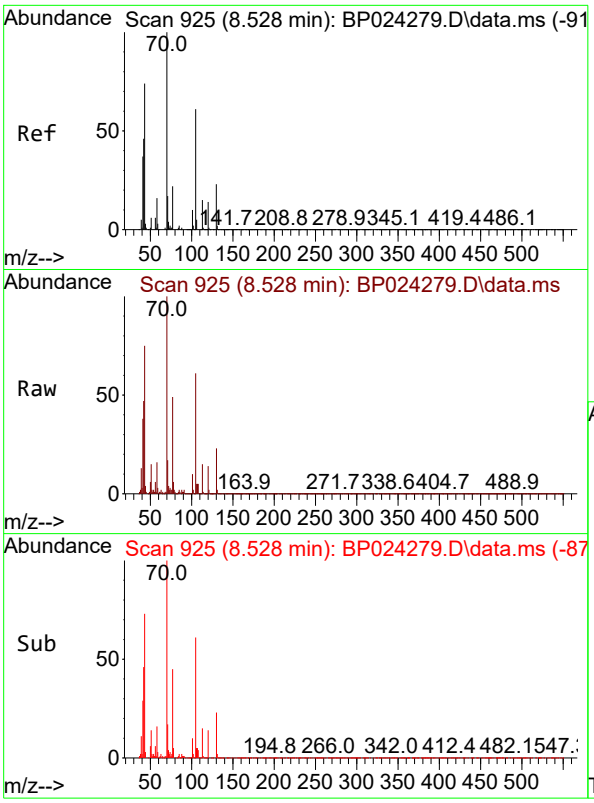


#18
Hexachloroethane
Concen: 40.349 ng
RT: 8.799 min Scan# 971
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:117 Resp: 266915

Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.8	116.6
201	94.9	75.9	113.9



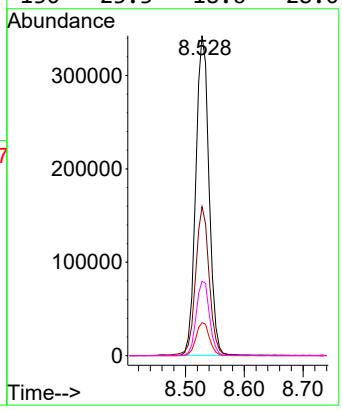


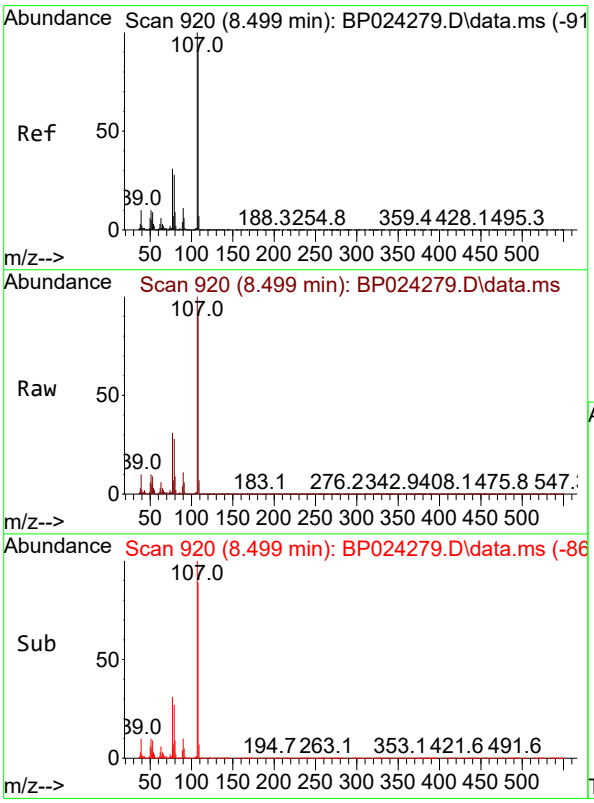
#19
n-Nitroso-di-n-propylamine
Concen: 42.092 ng
RT: 8.528 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 533912

Ion	Ratio	Lower	Upper
70	100		
42	46.6	37.3	55.9
101	10.3	8.2	12.4
130	23.3	18.6	28.0

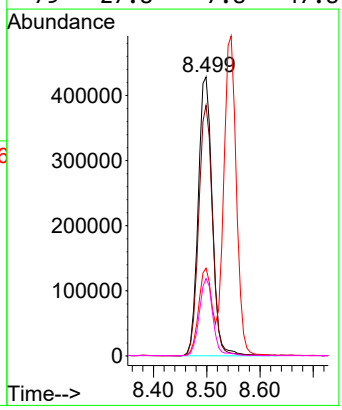


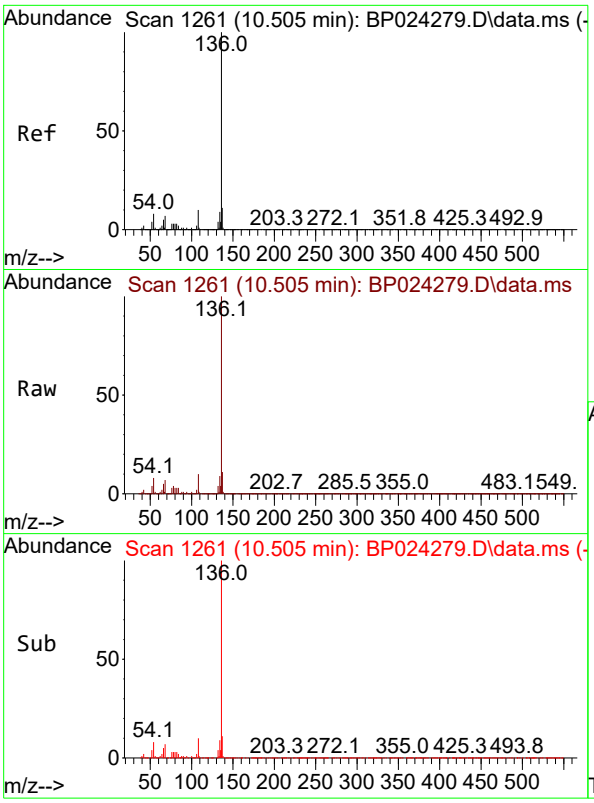


#20
3+4-Methylphenols
Concen: 42.854 ng
RT: 8.499 min Scan# 920
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:107 Resp: 784336

Ion	Ratio	Lower	Upper
107	100		
108	89.8	69.8	109.8
77	31.5	11.5	51.5
79	27.8	7.8	47.8



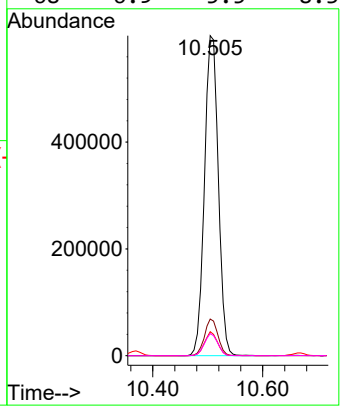


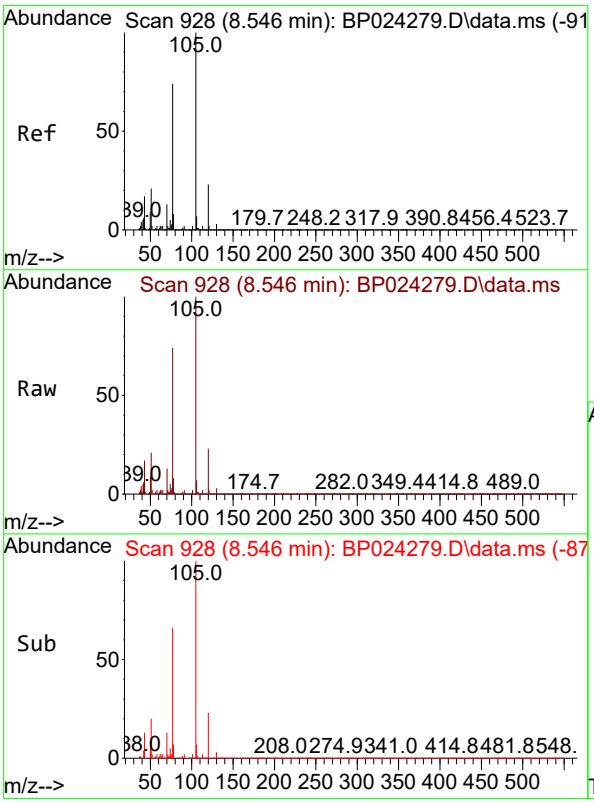
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 1046876

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	7.5	6.0	9.0
68	6.9	5.5	8.3

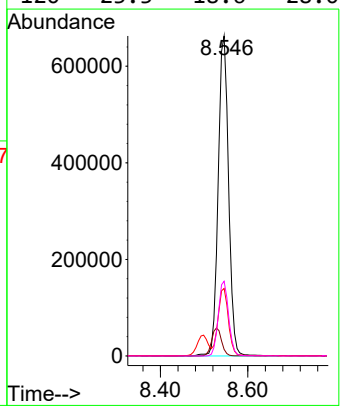


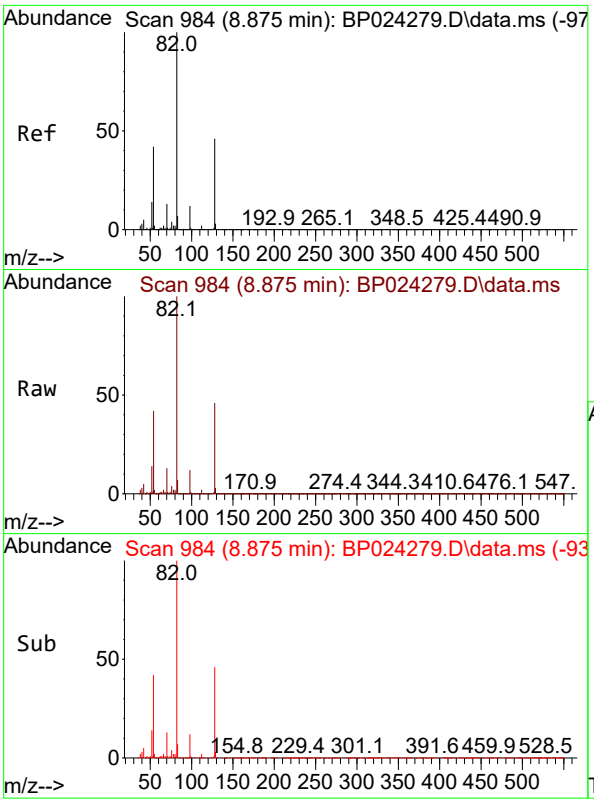


#22
Acetophenone
Concen: 41.770 ng
RT: 8.546 min Scan# 928
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:105 Resp: 1086788

Ion	Ratio	Lower	Upper
105	100		
71	2.1	1.7	2.5
51	21.1	16.9	25.3
120	23.3	18.6	28.0



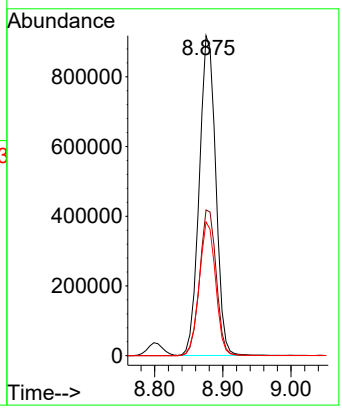


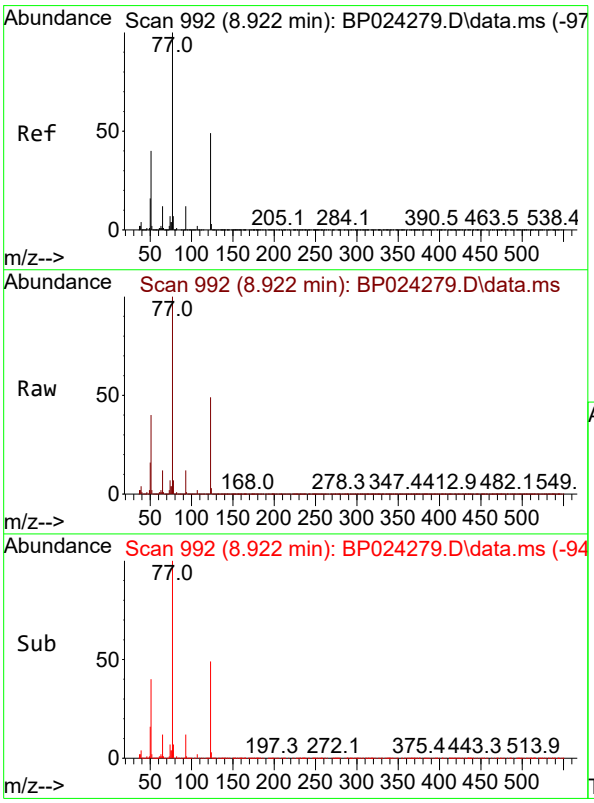
#23
Nitrobenzene-d5
Concen: 83.791 ng
RT: 8.875 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1540790

Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.5	54.7
54	41.8	33.4	50.2

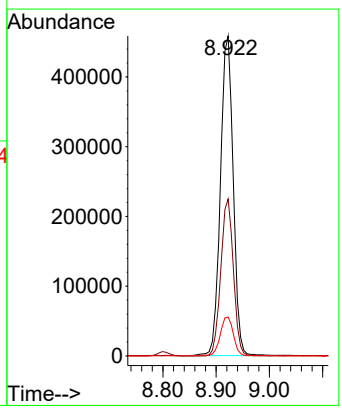


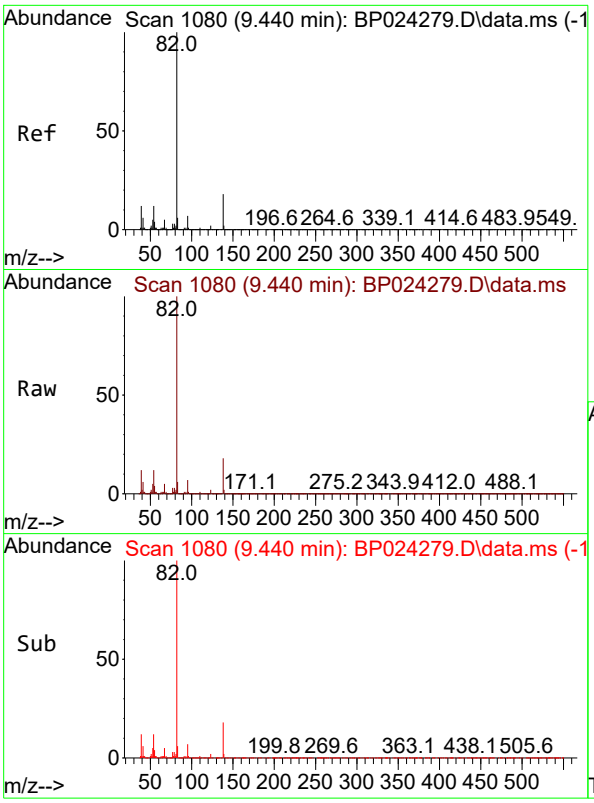


#24
Nitrobenzene
Concen: 41.852 ng
RT: 8.922 min Scan# 992
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion: 77 Resp: 762756

Ion	Ratio	Lower	Upper
77	100		
123	49.0	39.2	58.8
65	12.2	9.8	14.6



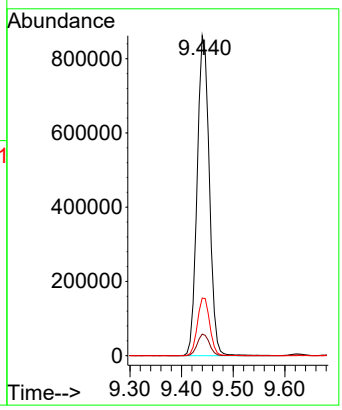


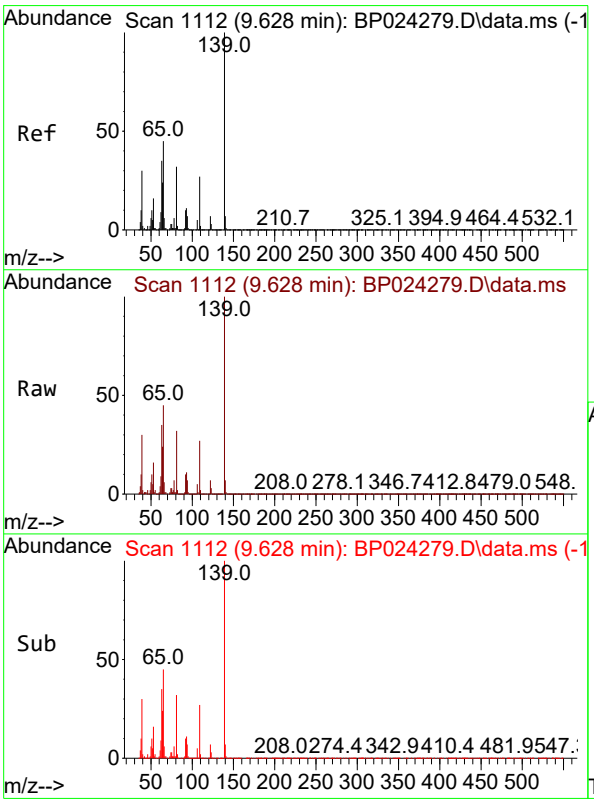
#25
Isophorone
Concen: 42.419 ng
RT: 9.440 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1408146

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	18.0	14.4	21.6

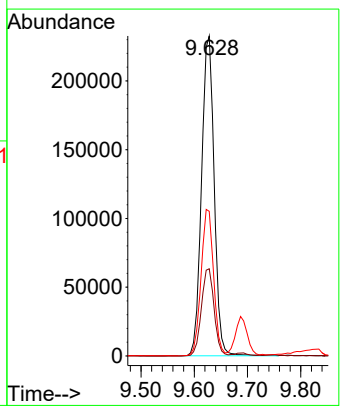


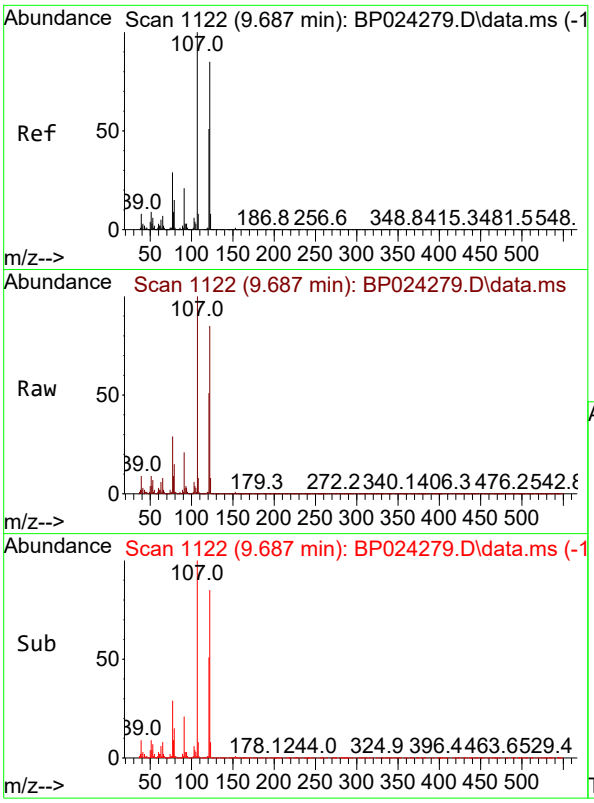


#26
2-Nitrophenol
Concen: 43.852 ng
RT: 9.628 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:139 Resp: 383751

Ion	Ratio	Lower	Upper
139	100		
109	27.2	21.8	32.6
65	45.2	36.2	54.2



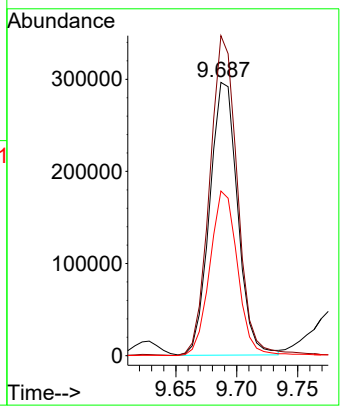


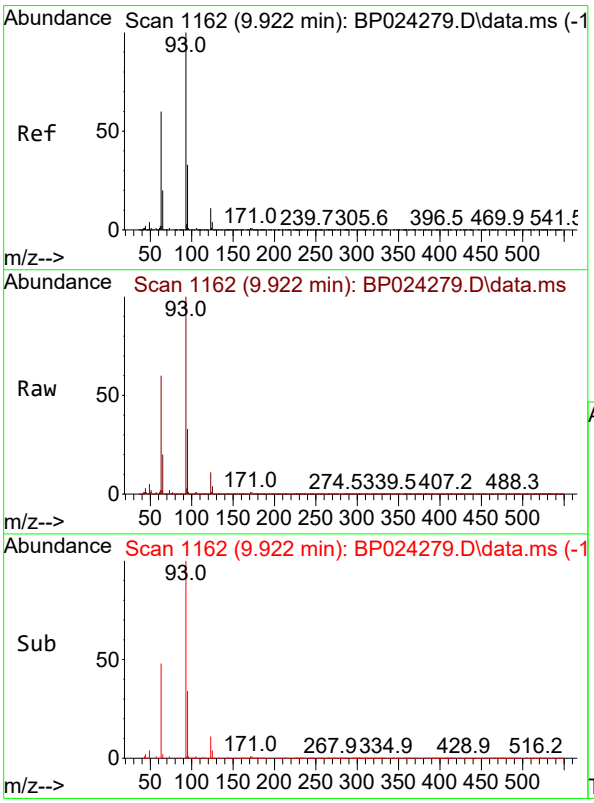
#27
2,4-Dimethylphenol
Concen: 42.600 ng
RT: 9.687 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 472488

Ion	Ratio	Lower	Upper
122	100		
107	117.1	93.7	140.5
121	60.2	48.2	72.2

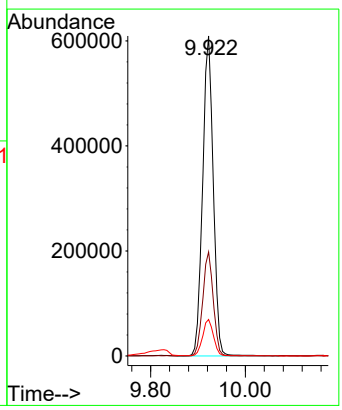


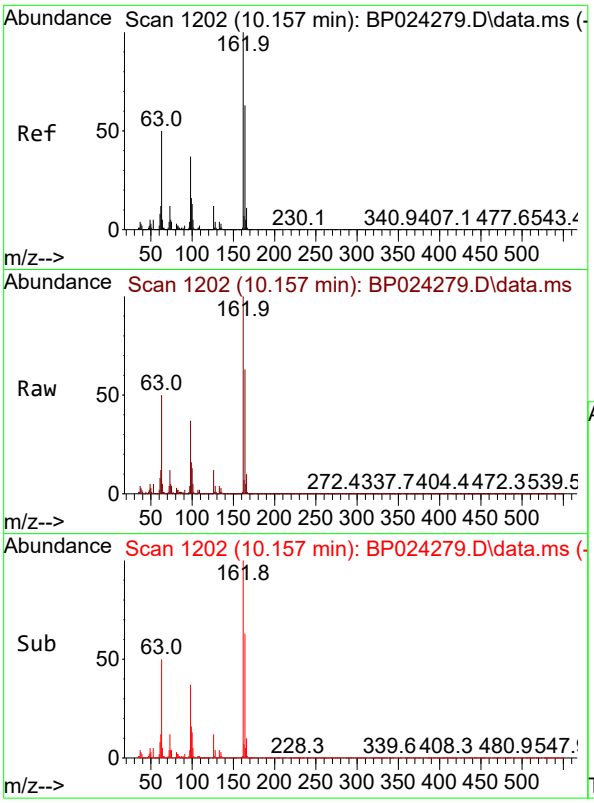


#28
bis(2-Chloroethoxy)methane
Concen: 41.926 ng
RT: 9.922 min Scan# 1162
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion: 93 Resp: 947250

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.0	39.0
123	11.4	9.1	13.7



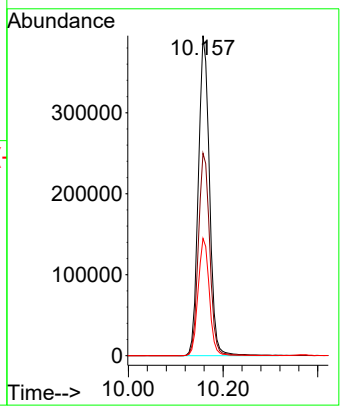


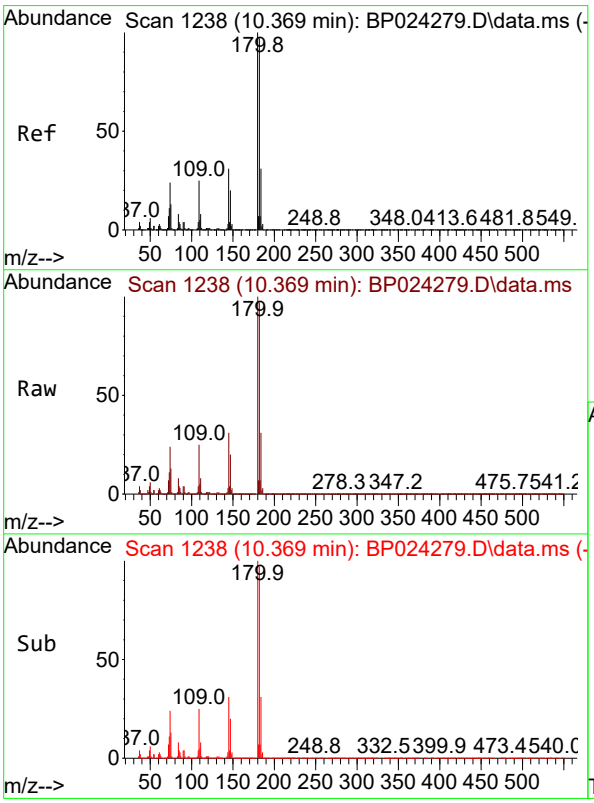
#29
2,4-Dichlorophenol
Concen: 42.725 ng
RT: 10.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 645849

Ion	Ratio	Lower	Upper
162	100		
164	63.3	43.3	83.3
98	36.6	16.6	56.6

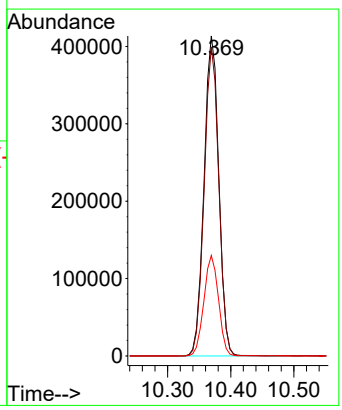


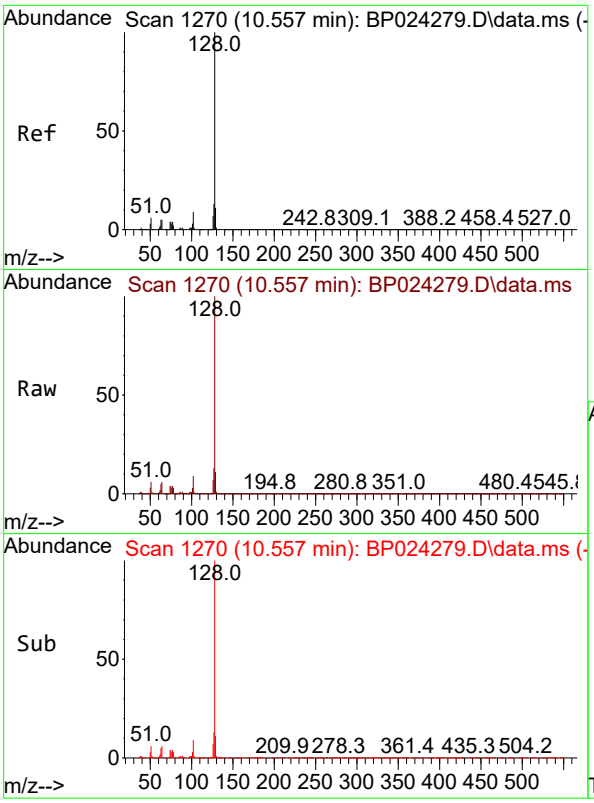


#30
1,2,4-Trichlorobenzene
Concen: 41.046 ng
RT: 10.369 min Scan# 1238
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:180 Resp: 671264

Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.3	115.9
145	31.4	25.1	37.7



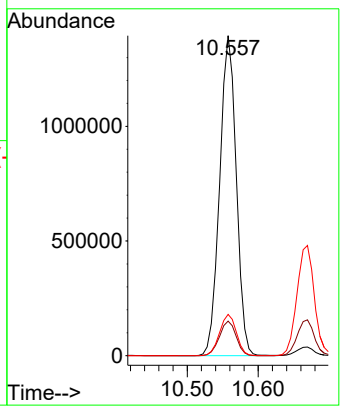


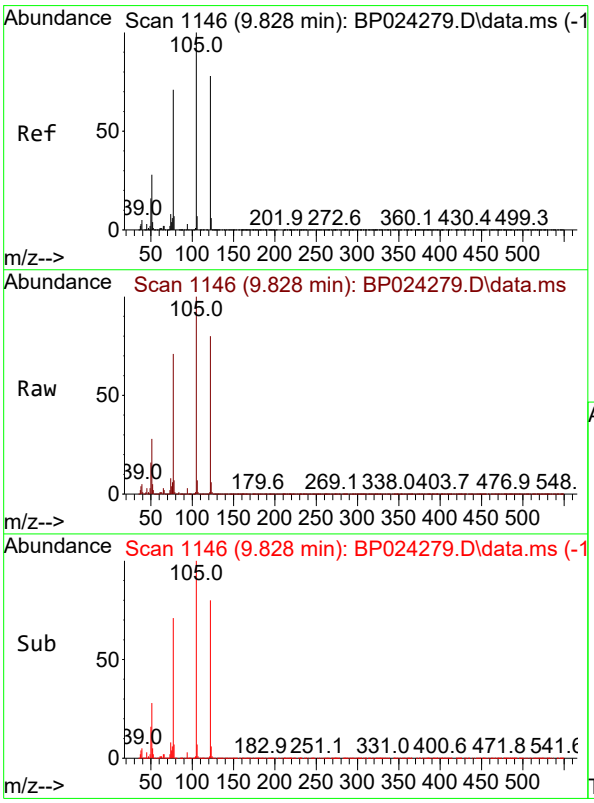
#31
Naphthalene
Concen: 40.765 ng
RT: 10.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 2258924

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	12.9	10.3	15.5

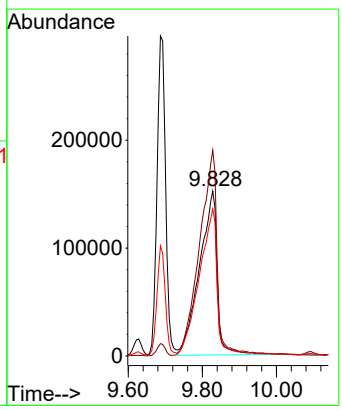


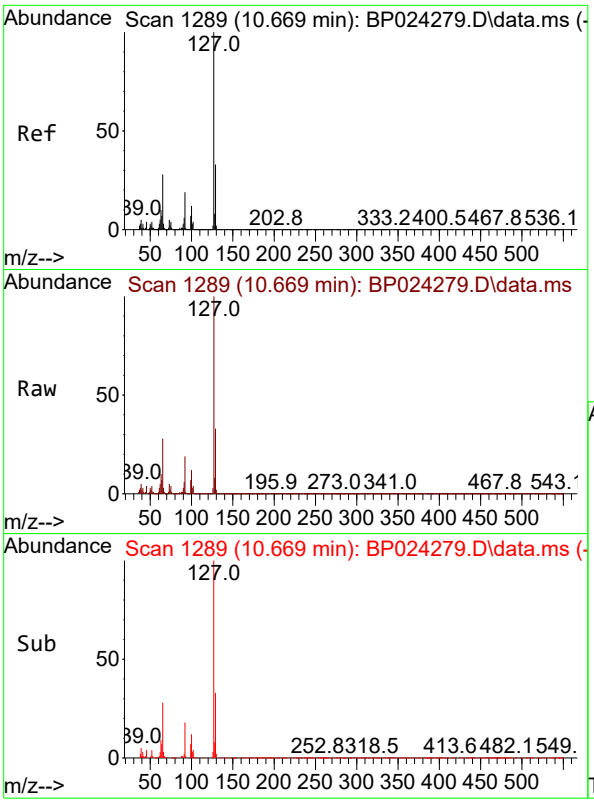


#32
Benzoic acid
Concen: 42.286 ng
RT: 9.828 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:122 Resp: 506813

Ion	Ratio	Lower	Upper
122	100		
105	124.8	104.8	144.8
77	89.2	69.2	109.2



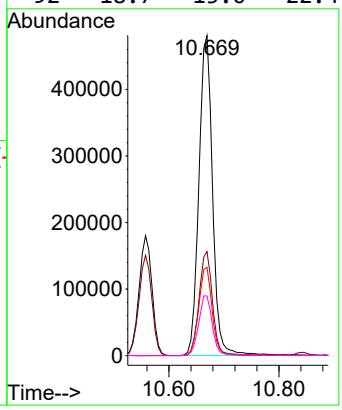


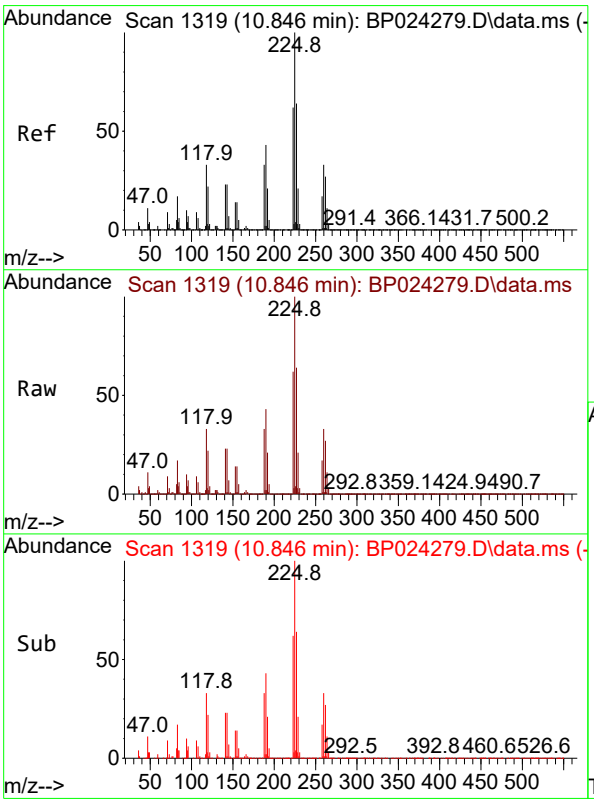
#33
4-Chloroaniline
Concen: 42.913 ng
RT: 10.669 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 830870

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	27.6	22.1	33.1
92	18.7	15.0	22.4

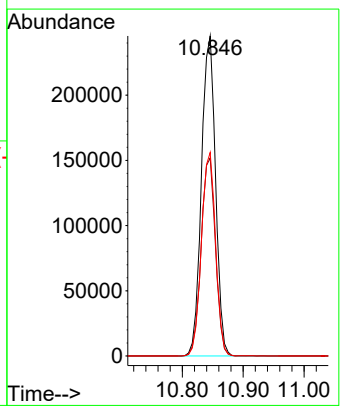


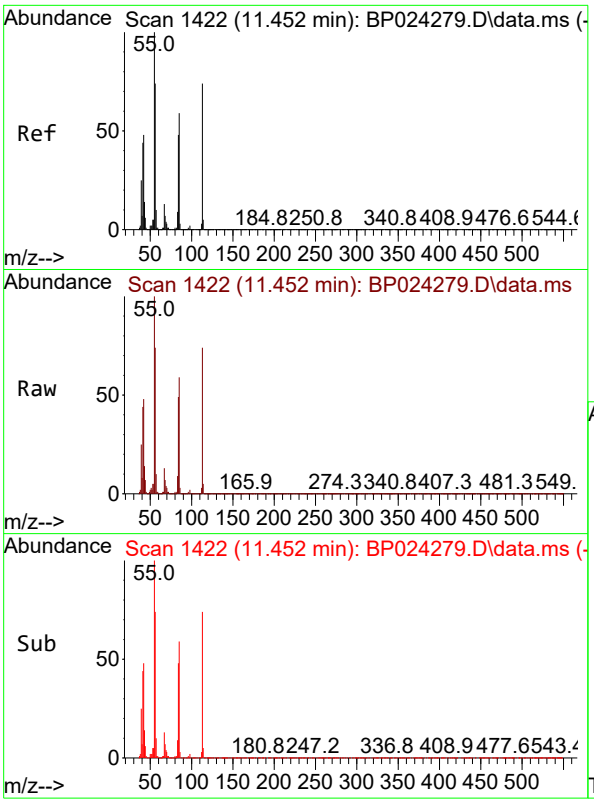


#34
Hexachlorobutadiene
Concen: 41.146 ng
RT: 10.846 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:225 Resp: 394737

Ion	Ratio	Lower	Upper
225	100		
223	61.9	49.5	74.3
227	63.6	50.9	76.3



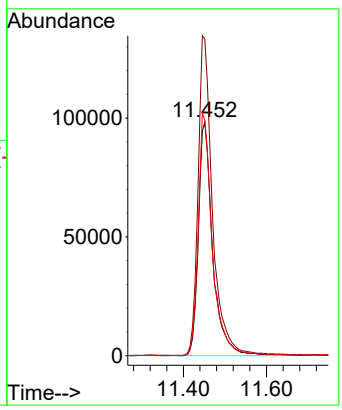


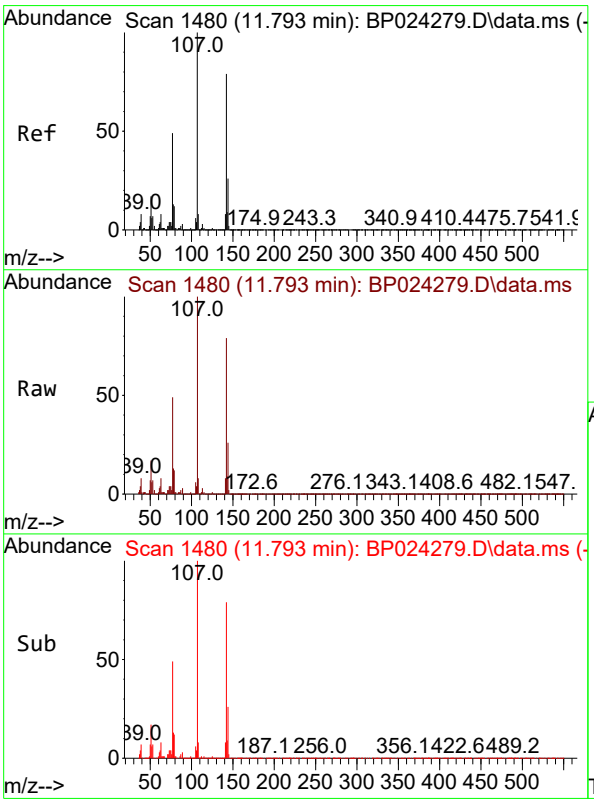
#35
Caprolactam
Concen: 42.256 ng
RT: 11.452 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 234519

Ion	Ratio	Lower	Upper
113	100		
55	135.9	115.9	155.9
56	101.1	81.1	121.1

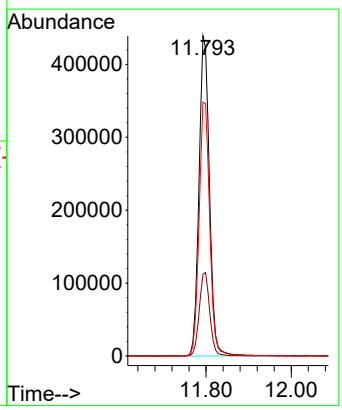


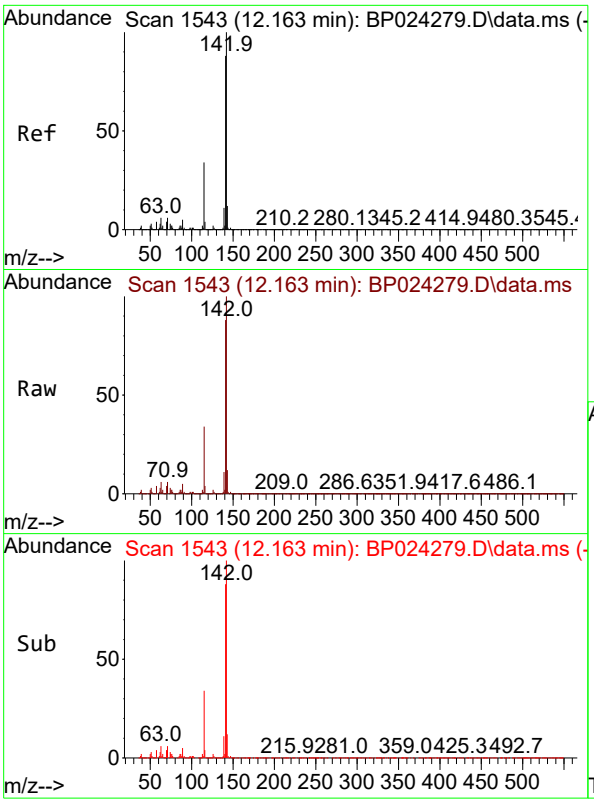


#36
4-Chloro-3-methylphenol
Concen: 42.438 ng
RT: 11.793 min Scan# 1480
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:107 Resp: 747541

Ion	Ratio	Lower	Upper
107	100		
144	25.6	20.5	30.7
142	79.3	63.4	95.2



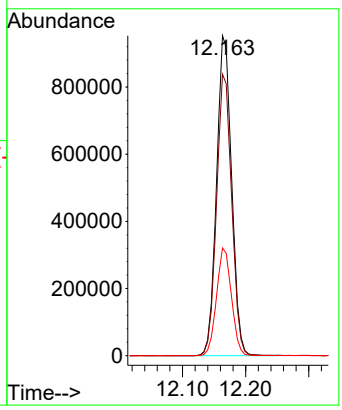


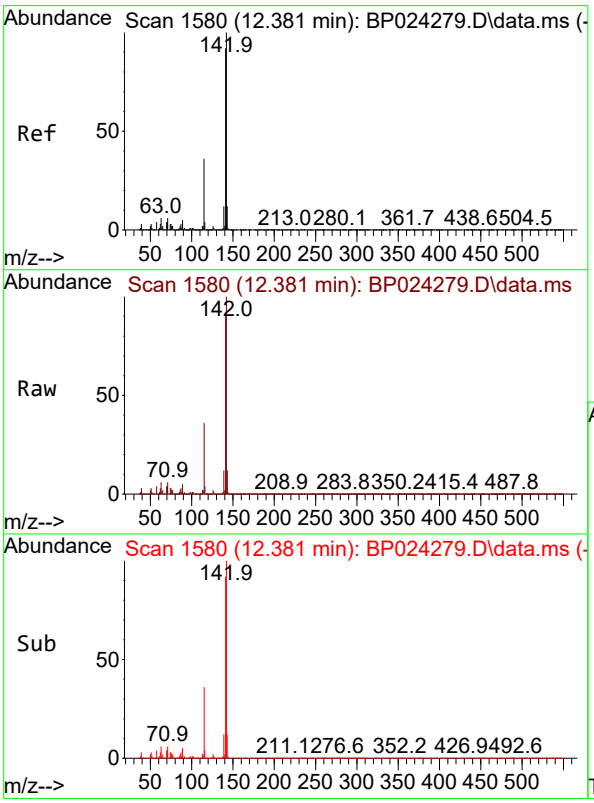
#37
2-Methylnaphthalene
Concen: 41.154 ng
RT: 12.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 1580497

Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.3	105.5
115	33.6	26.9	40.3

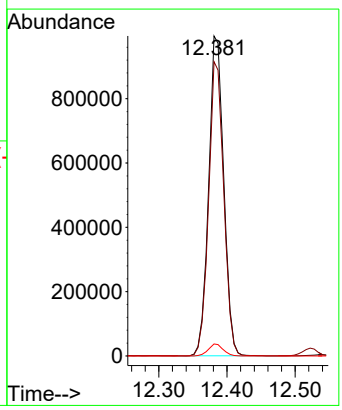


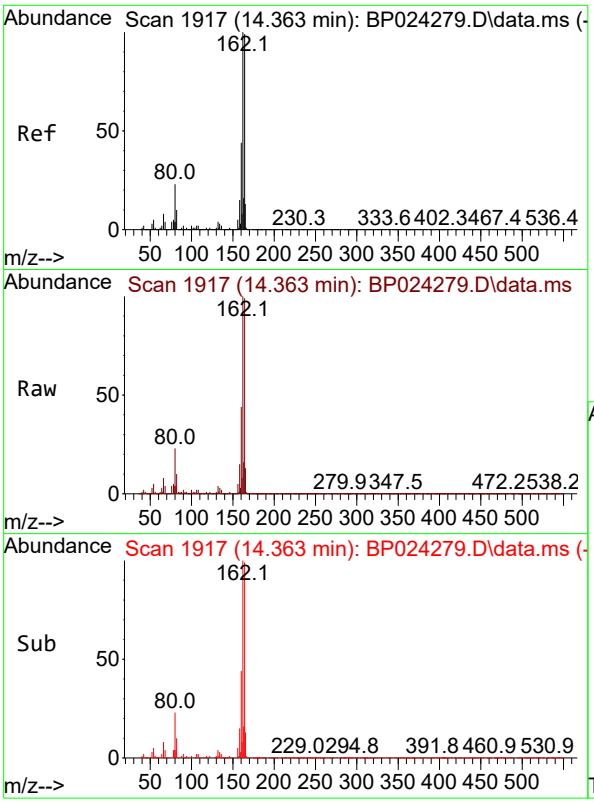


#38
1-Methylnaphthalene
Concen: 40.695 ng
RT: 12.381 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:142 Resp: 1530982

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.6	110.4
116	3.8	3.0	4.6



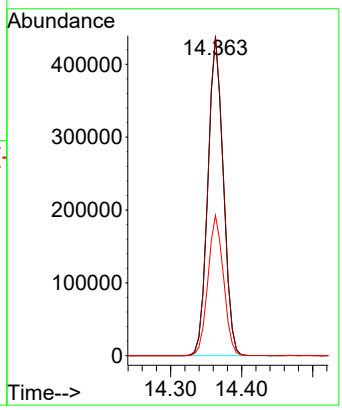


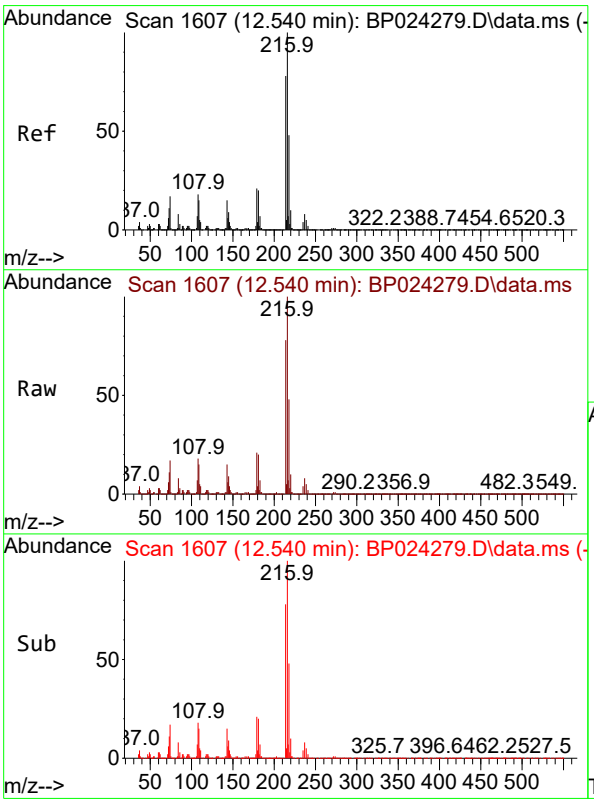
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 657357

Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.6	120.8
160	44.1	35.3	52.9

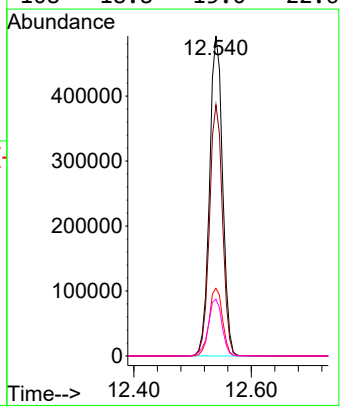


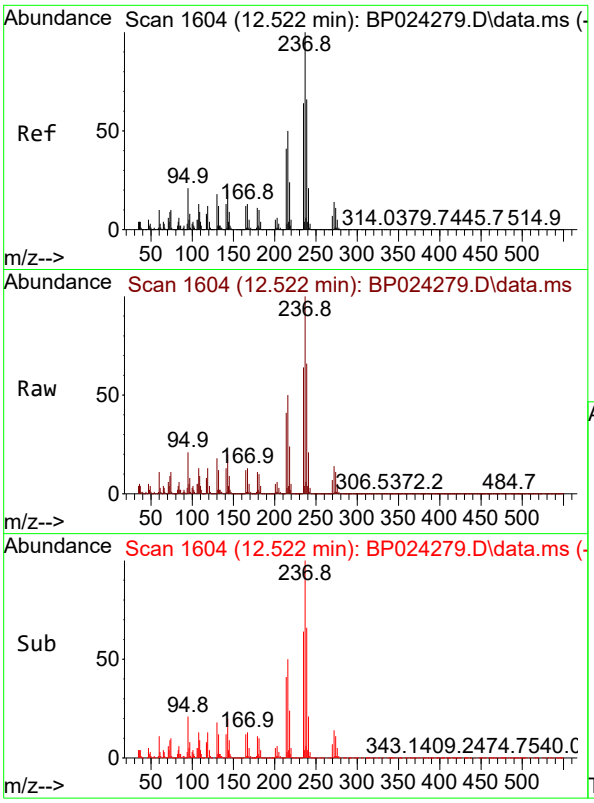


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.945 ng
RT: 12.540 min Scan# 1607
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:216 Resp: 757748

Ion	Ratio	Lower	Upper
216	100		
214	78.2	62.6	93.8
179	21.5	17.2	25.8
108	18.8	15.0	22.6



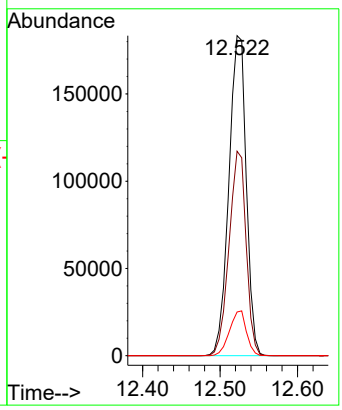


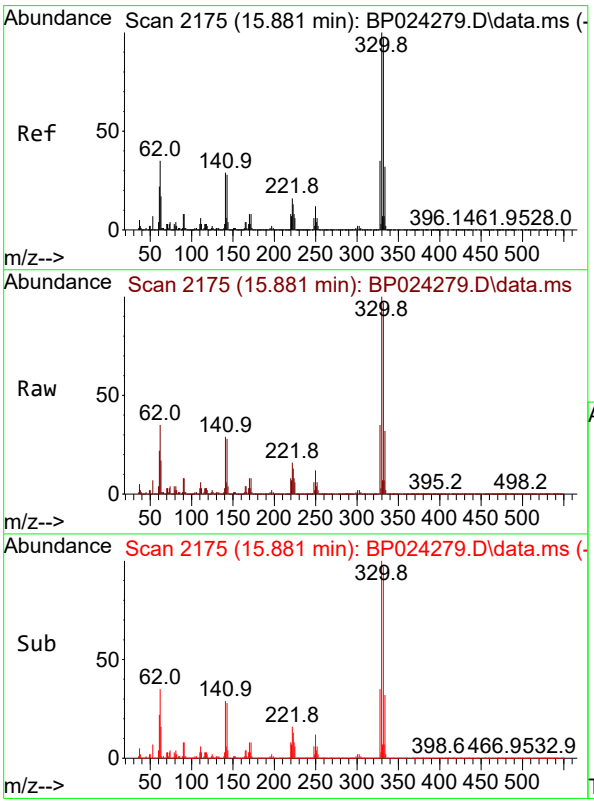
#41
Hexachlorocyclopentadiene
Concen: 45.116 ng
RT: 12.522 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 286135

Ion	Ratio	Lower	Upper
237	100		
235	63.9	43.9	83.9
272	13.6	0.0	33.6

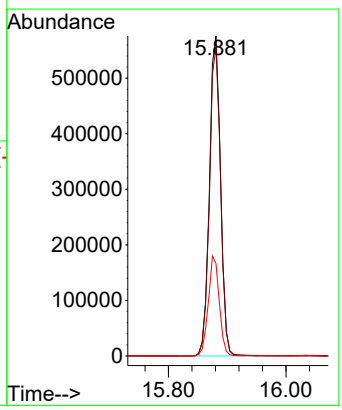


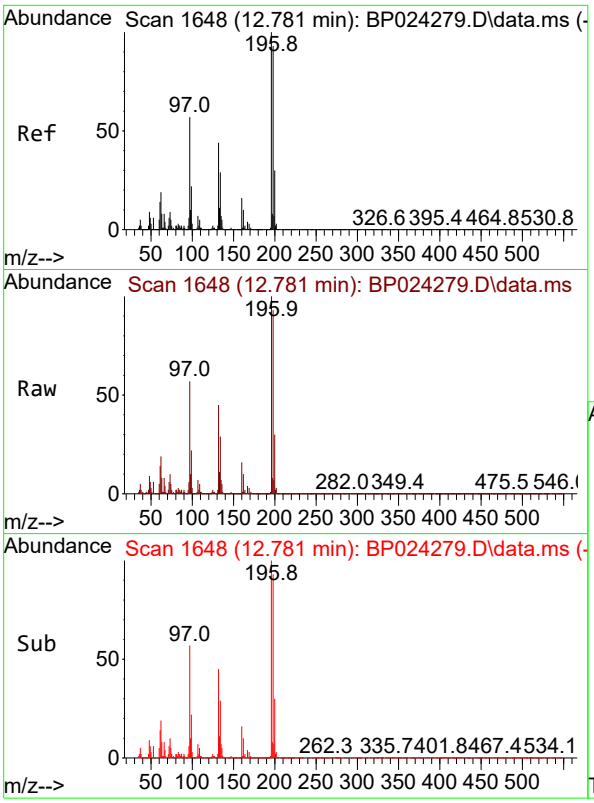


#42
2,4,6-Tribromophenol
Concen: 84.379 ng
RT: 15.881 min Scan# 2175
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:330 Resp: 759528

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.1	115.7
141	30.9	24.7	37.1



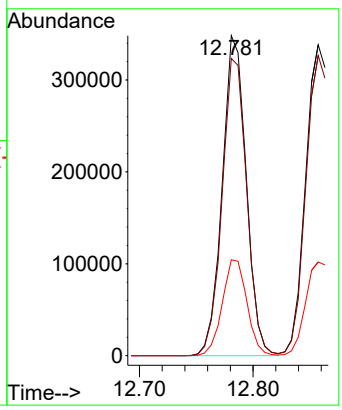


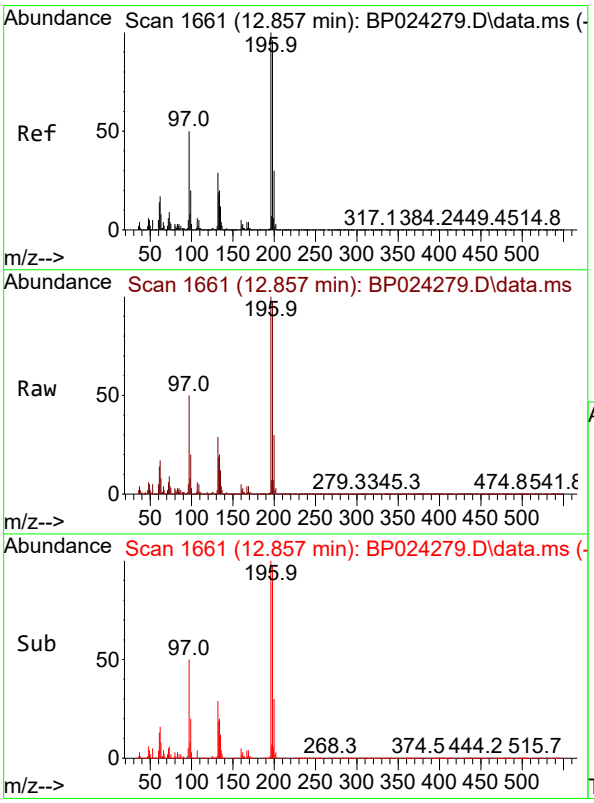
#43
2,4,6-Trichlorophenol
Concen: 43.038 ng
RT: 12.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 511566

Ion	Ratio	Lower	Upper
196	100		
198	92.9	74.3	111.5
200	30.0	24.0	36.0

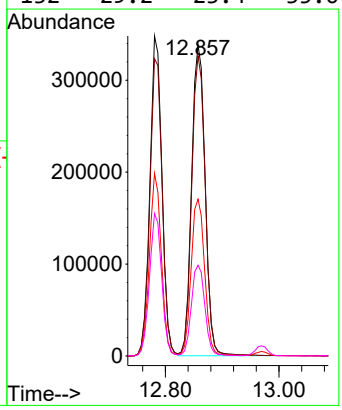


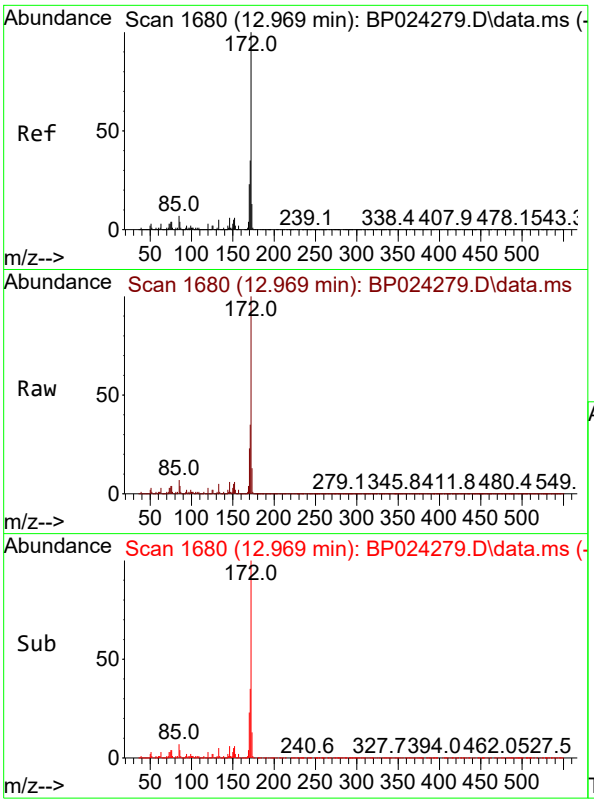


#44
2,4,5-Trichlorophenol
Concen: 42.637 ng
RT: 12.857 min Scan# 1661
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:196 Resp: 561631

Ion	Ratio	Lower	Upper
196	100		
198	96.6	77.3	115.9
97	50.5	40.4	60.6
132	29.2	23.4	35.0



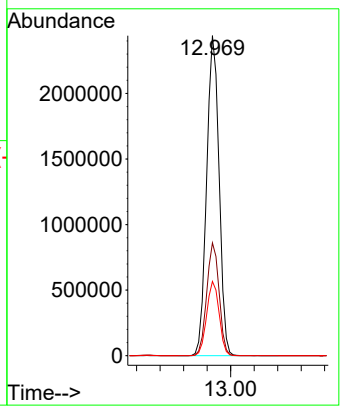


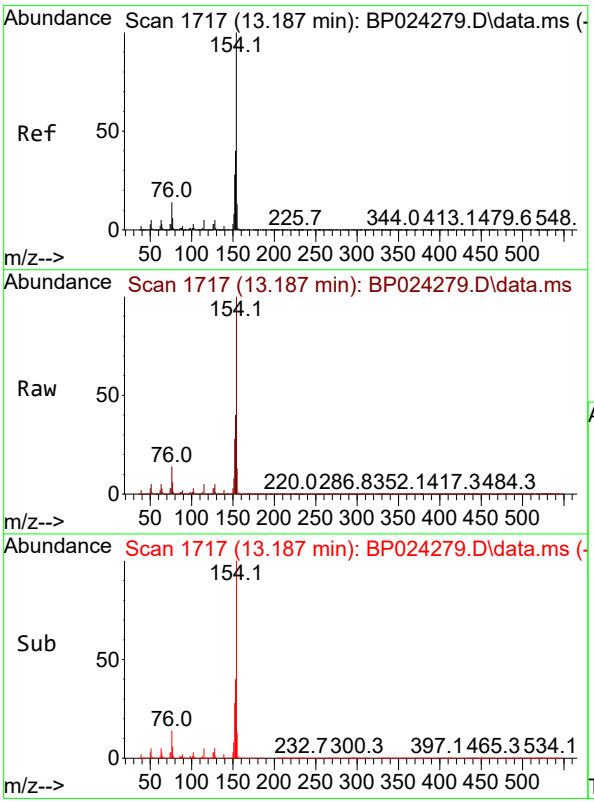
#45
2-Fluorobiphenyl
Concen: 82.939 ng
RT: 12.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 3591010

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.2
170	23.2	18.6	27.8

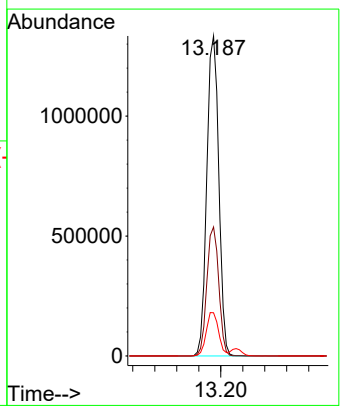


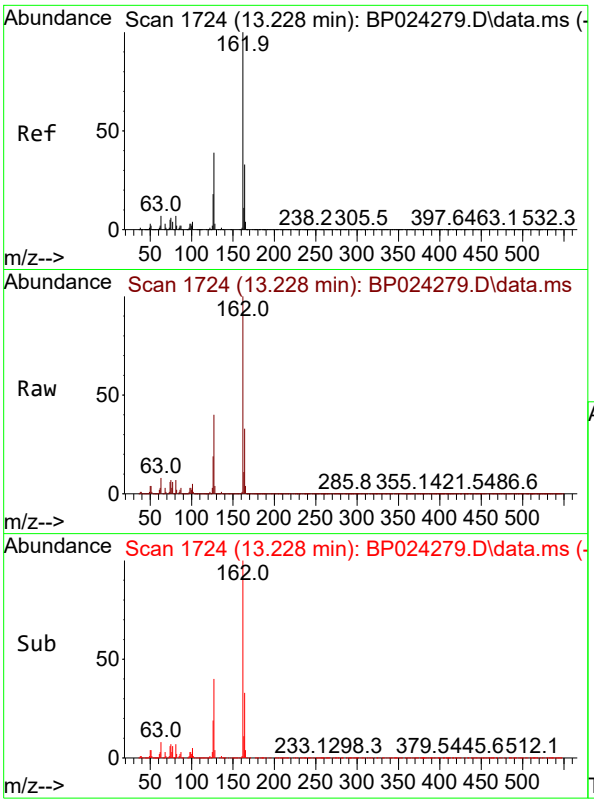


#46
1,1'-Biphenyl
Concen: 41.404 ng
RT: 13.187 min Scan# 1717
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:154 Resp: 2010029

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.3	60.3
76	13.5	0.0	33.5



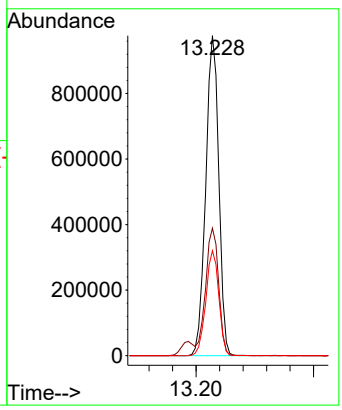


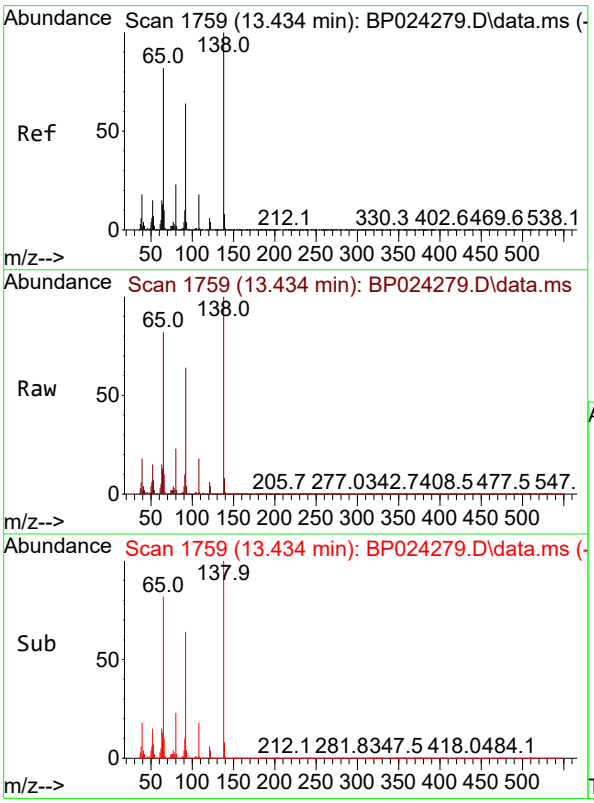
#47
2-Chloronaphthalene
Concen: 41.328 ng
RT: 13.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 1497152

Ion	Ratio	Lower	Upper
162	100		
127	39.9	31.9	47.9
164	32.8	26.2	39.4

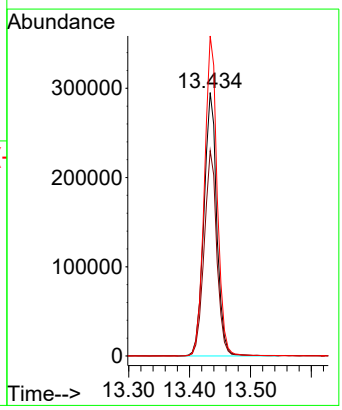


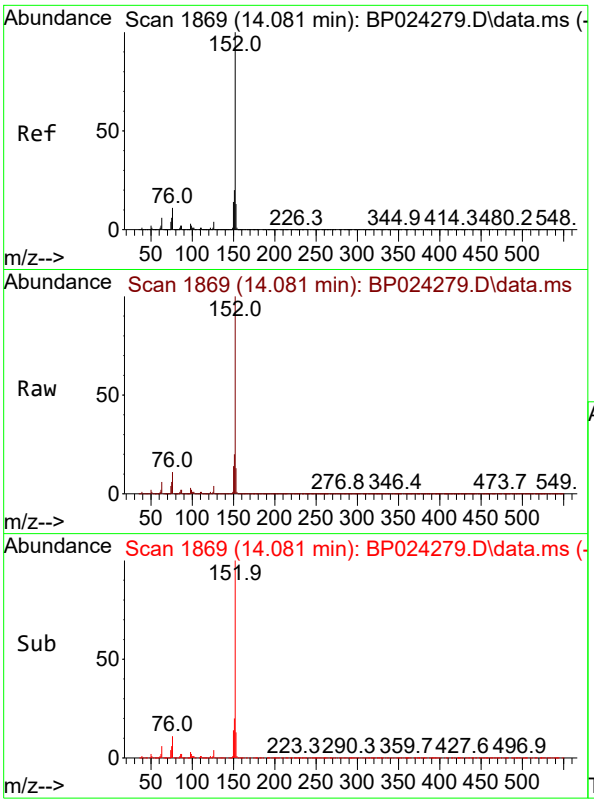


#48
2-Nitroaniline
Concen: 43.377 ng
RT: 13.434 min Scan# 1759
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion: 65 Resp: 434050

Ion	Ratio	Lower	Upper
65	100		
92	77.9	62.3	93.5
138	121.5	97.2	145.8



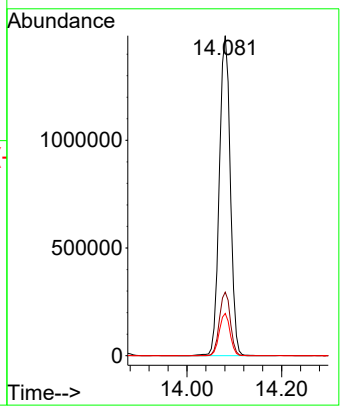


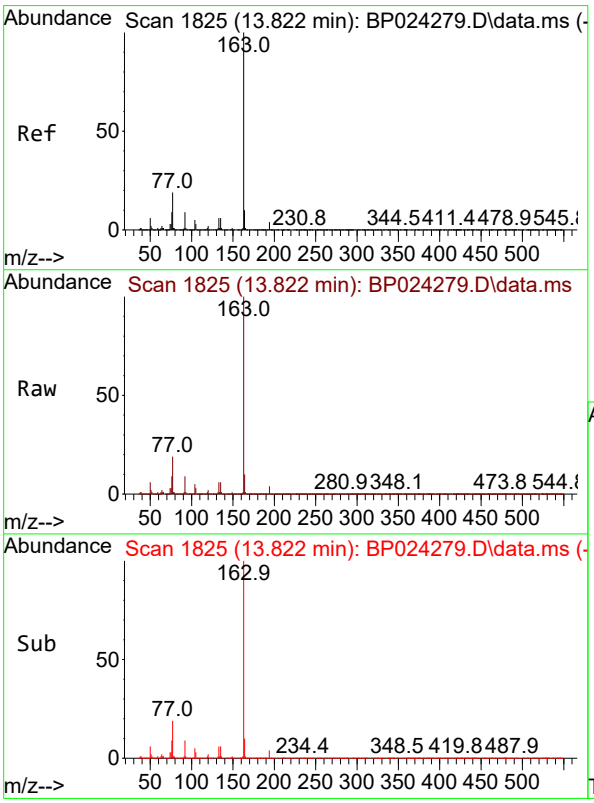
#49
Acenaphthylene
Concen: 41.944 ng
RT: 14.081 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 2384785

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.2	10.6	15.8

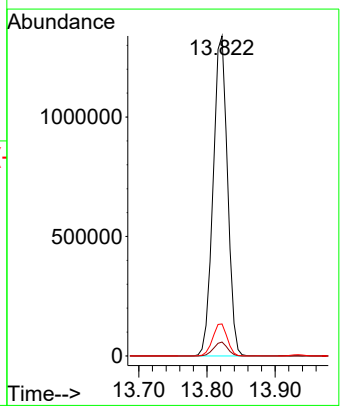


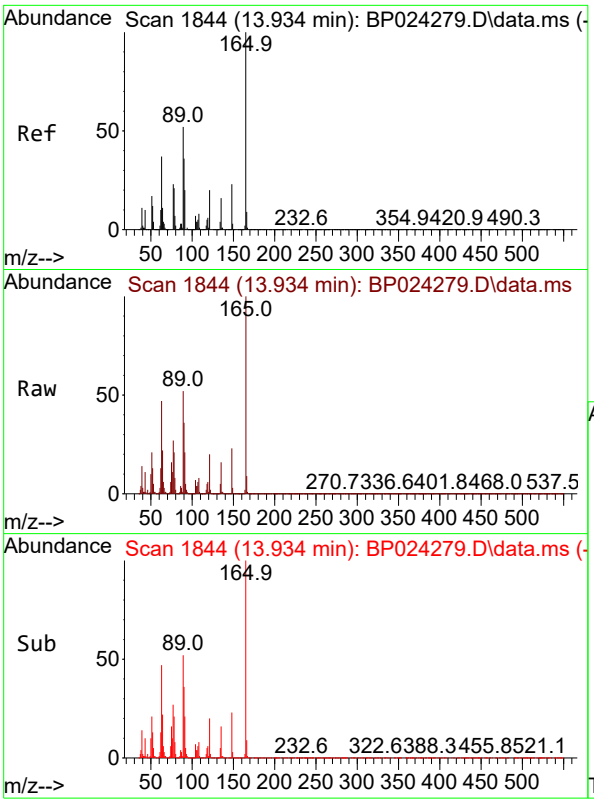


#50
Dimethylphthalate
Concen: 40.976 ng
RT: 13.822 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:163 Resp: 1965142

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.0	8.0	12.0



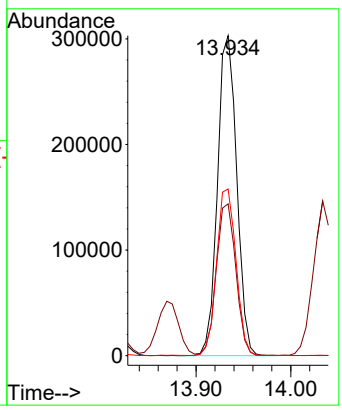


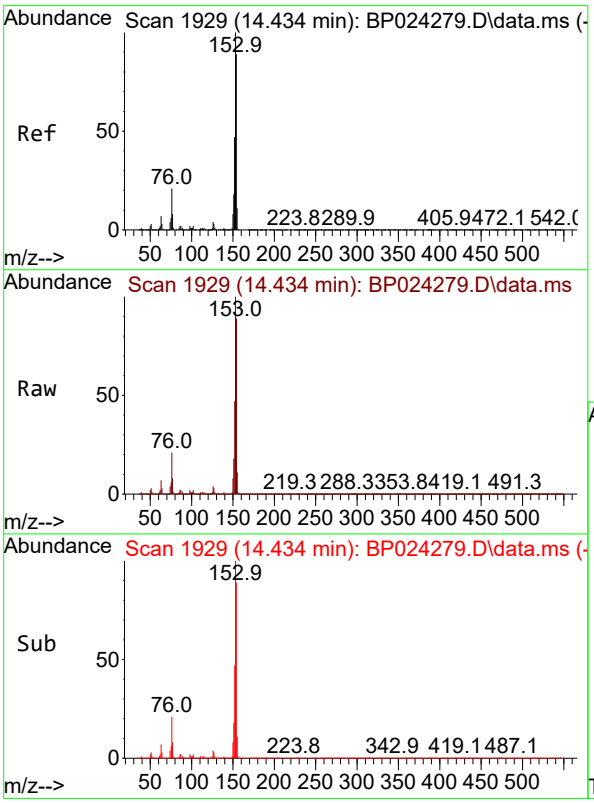
#51
2,6-Dinitrotoluene
Concen: 42.283 ng
RT: 13.934 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 427248

Ion	Ratio	Lower	Upper
165	100		
63	47.5	38.0	57.0
89	52.1	41.7	62.5

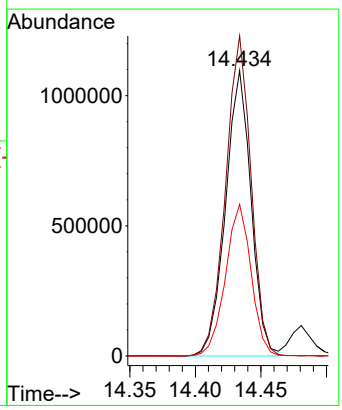


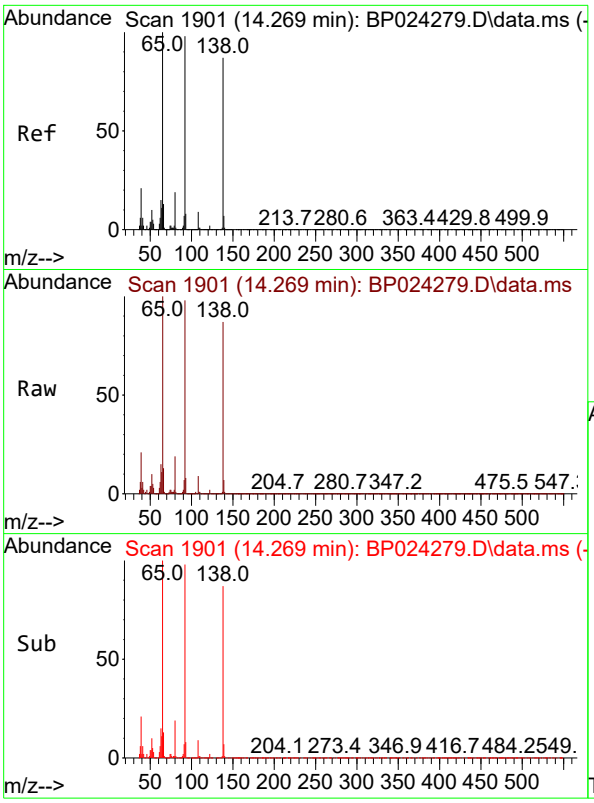


#52
Acenaphthene
Concen: 40.947 ng
RT: 14.434 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:154 Resp: 1480526

Ion	Ratio	Lower	Upper
154	100		
153	112.2	89.8	134.6
152	53.2	42.6	63.8



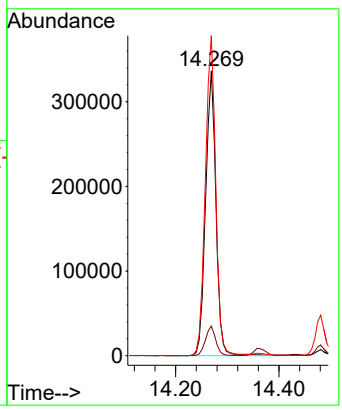


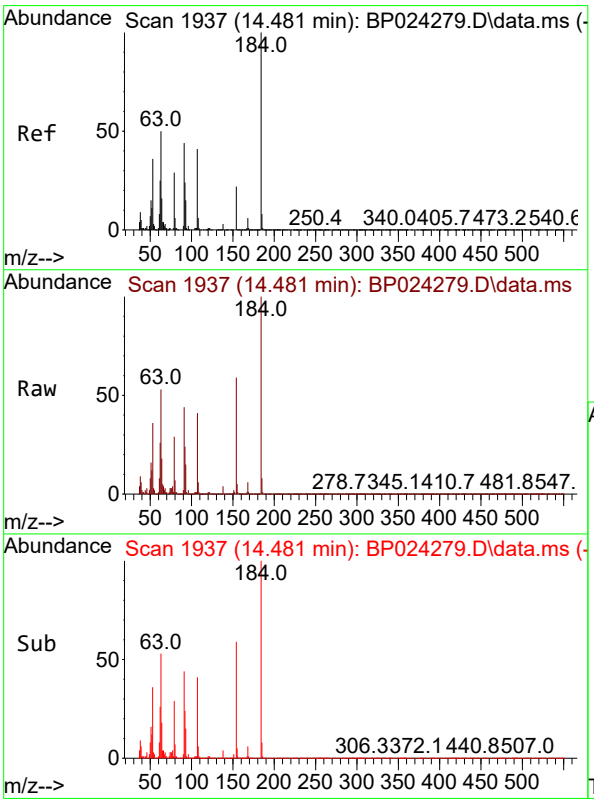
#53
3-Nitroaniline
Concen: 44.389 ng
RT: 14.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 465347

Ion	Ratio	Lower	Upper
138	100		
108	10.4	8.3	12.5
92	112.3	89.8	134.8

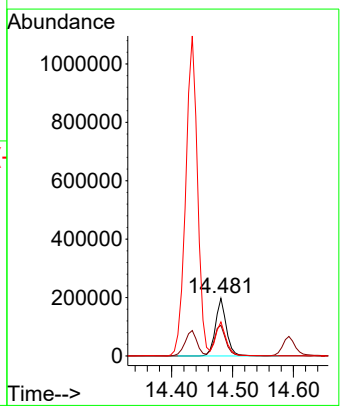


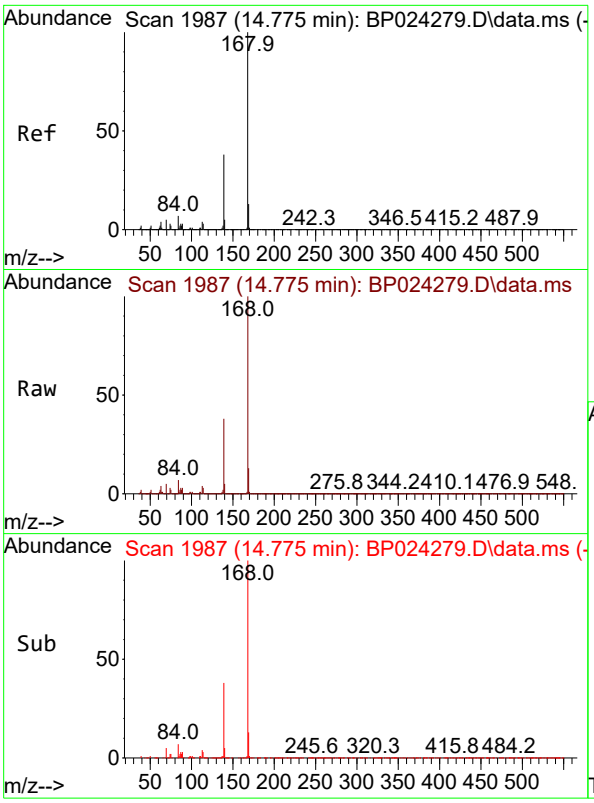


#54
2,4-Dinitrophenol
Concen: 45.231 ng
RT: 14.481 min Scan# 1937
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:184 Resp: 244714

Ion	Ratio	Lower	Upper
184	100		
63	53.3	42.6	64.0
154	59.0	47.2	70.8



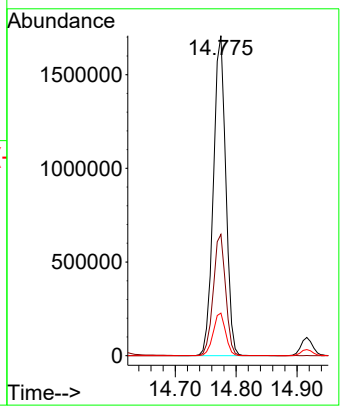


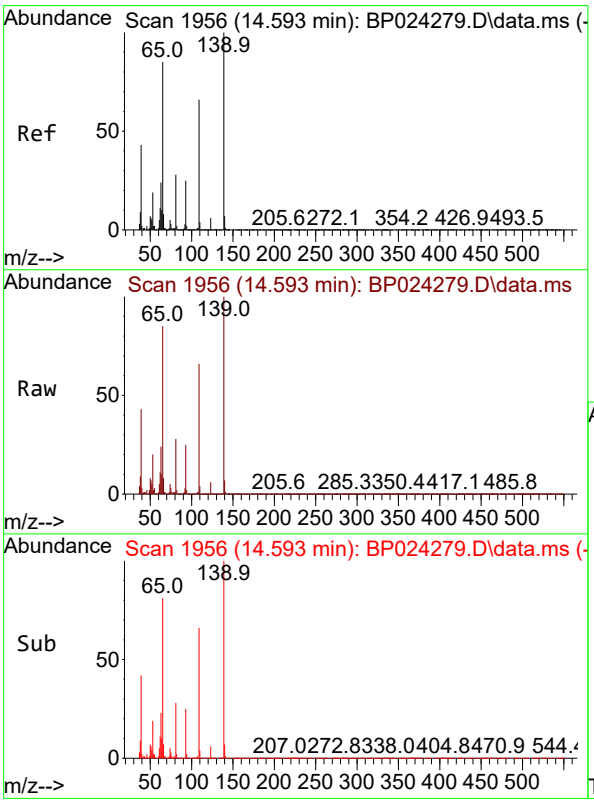
#55
Dibenzofuran
Concen: 40.633 ng
RT: 14.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 2409526

Ion	Ratio	Lower	Upper
168	100		
139	37.9	30.3	45.5
169	13.3	10.6	16.0

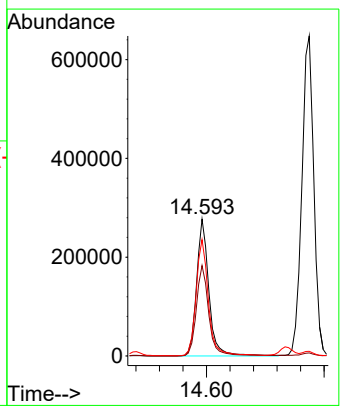


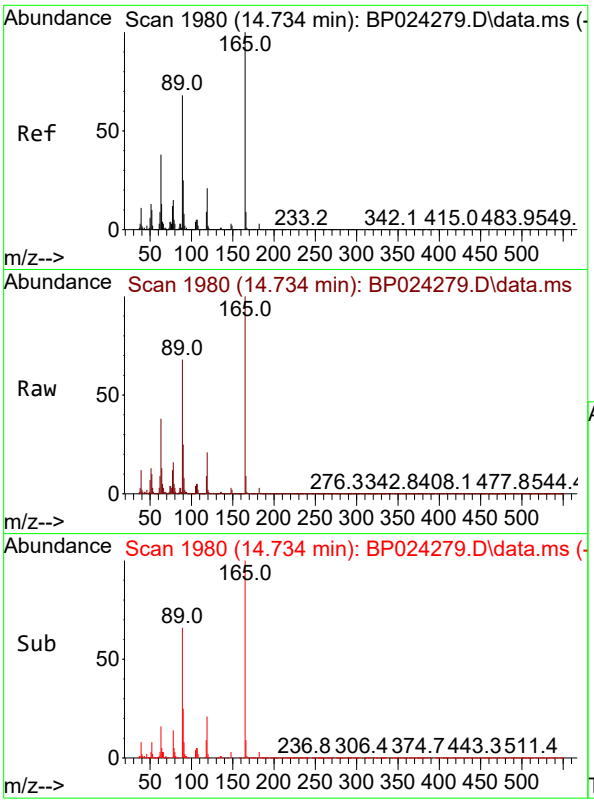


#56
4-Nitrophenol
Concen: 44.564 ng
RT: 14.593 min Scan# 1956
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:139 Resp: 401591

Ion	Ratio	Lower	Upper
139	100		
109	66.1	46.1	86.1
65	85.0	65.0	105.0



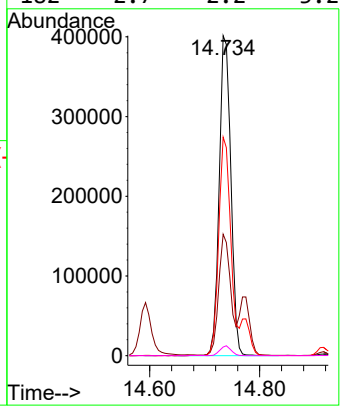


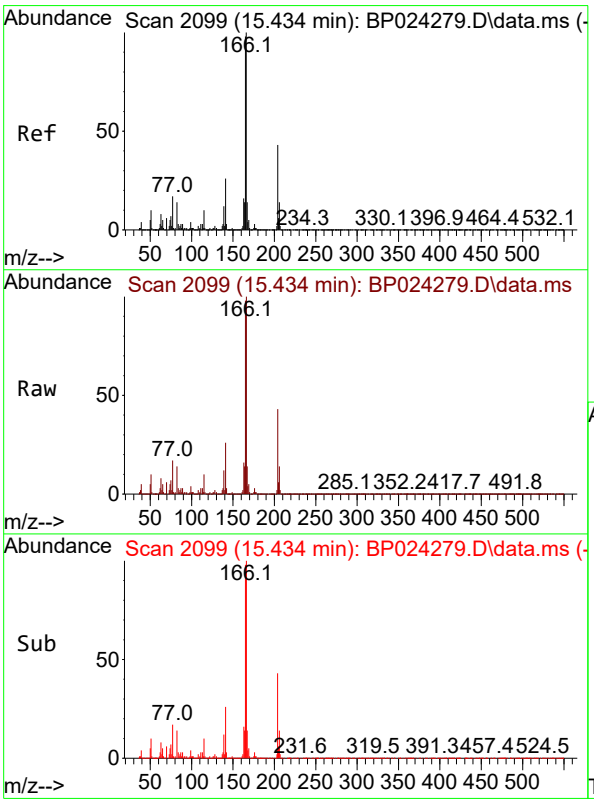
#57
2,4-Dinitrotoluene
Concen: 43.110 ng
RT: 14.734 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 588798

Ion	Ratio	Lower	Upper
165	100		
63	38.0	30.4	45.6
89	68.3	54.6	82.0
182	2.7	2.2	3.2

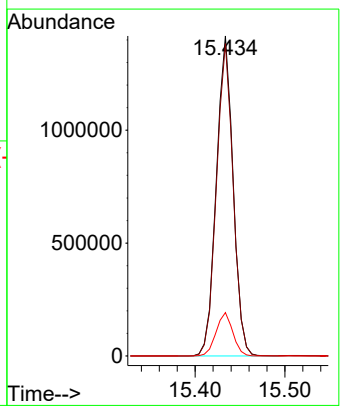


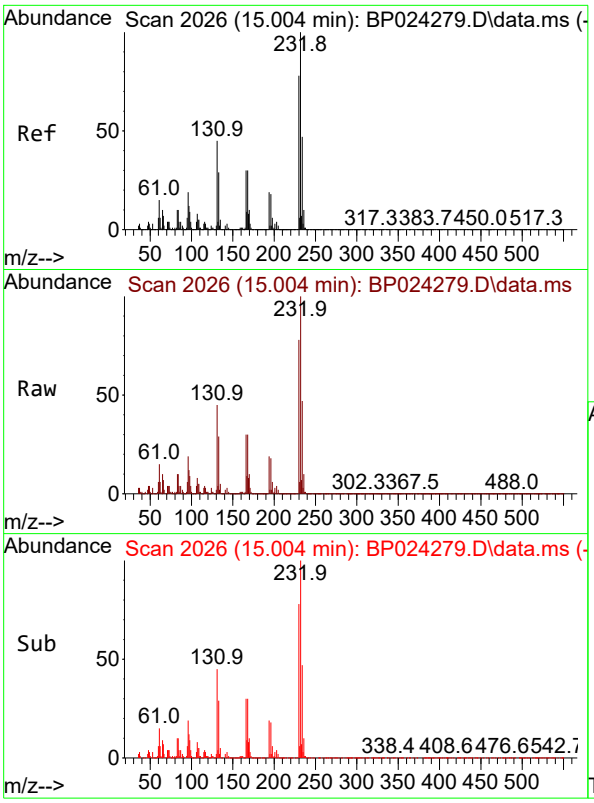


#58
Fluorene
Concen: 40.150 ng
RT: 15.434 min Scan# 2099
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:166 Resp: 1838264

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.1	117.1
167	13.6	10.9	16.3



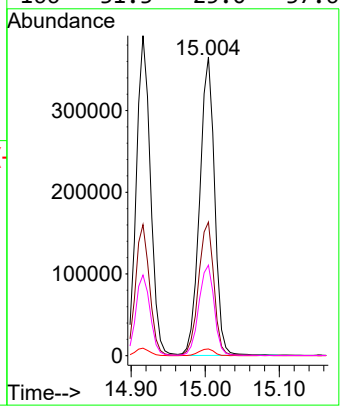


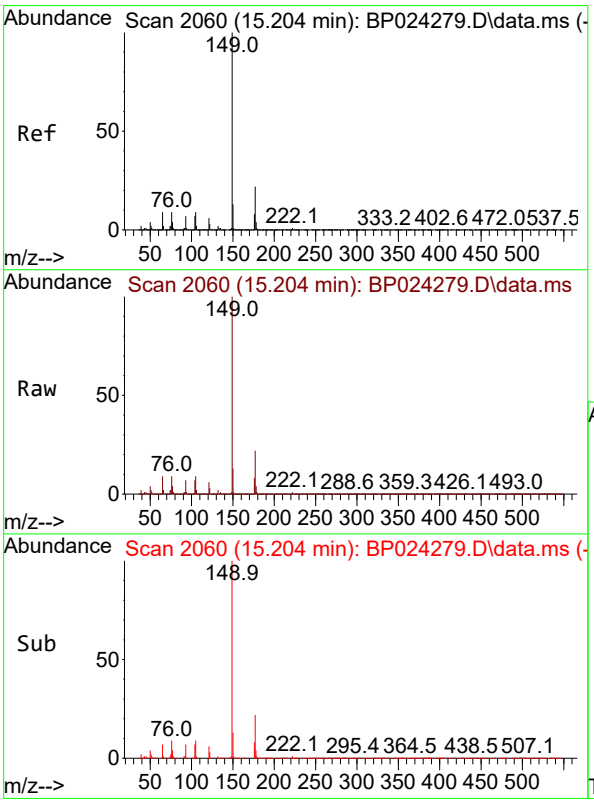
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.987 ng
RT: 15.004 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 511714

Ion	Ratio	Lower	Upper
232	100		
131	46.0	36.8	55.2
130	2.4	1.9	2.9
166	31.3	25.0	37.6

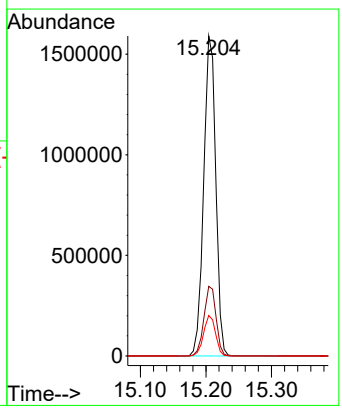


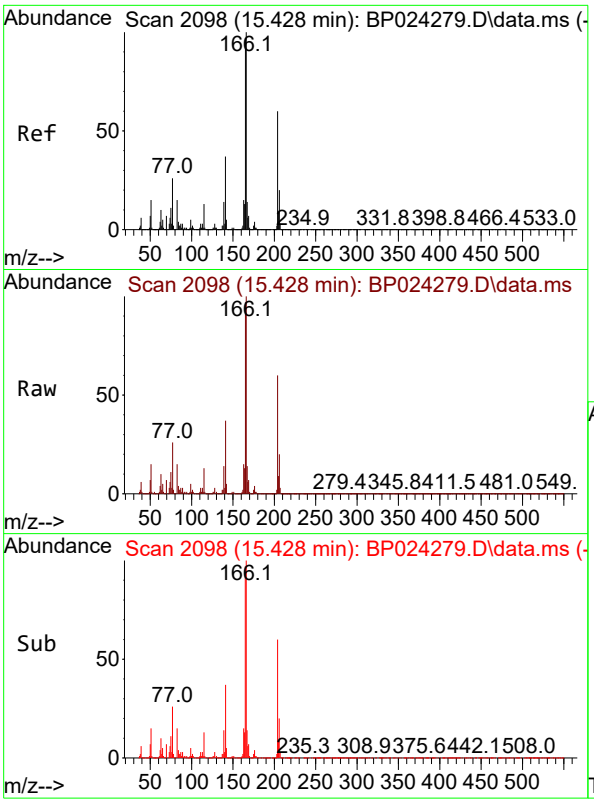


#60
Diethylphthalate
Concen: 41.286 ng
RT: 15.204 min Scan# 2060
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:149 Resp: 2037863

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.4	26.2
150	12.6	10.1	15.1



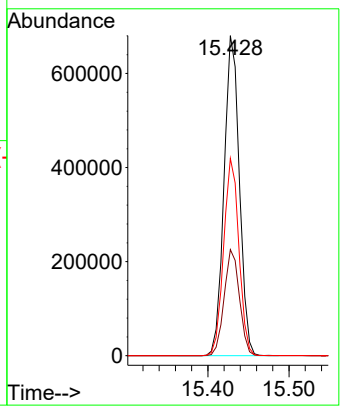


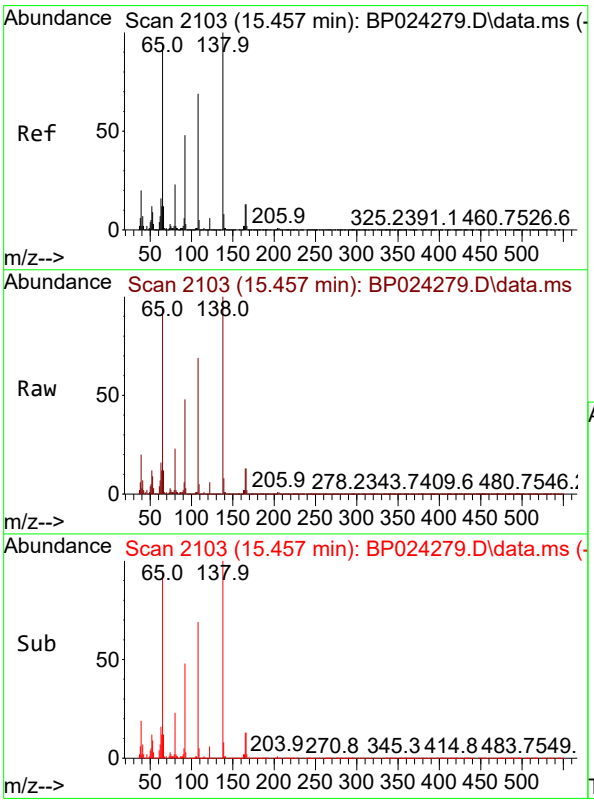
#61
4-Chlorophenyl-phenylether
Concen: 40.226 ng
RT: 15.428 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 894350

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.5	39.7
141	61.7	49.4	74.0

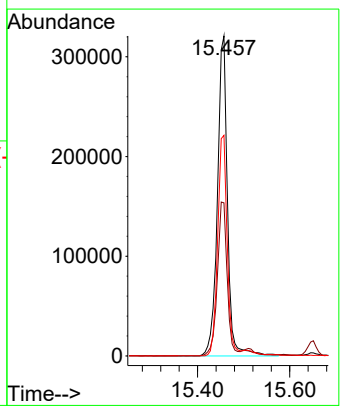


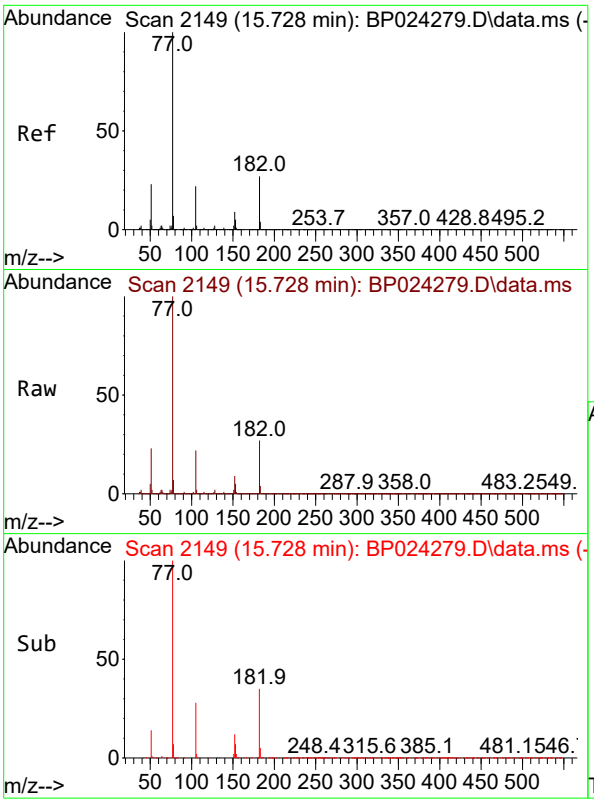


#62
4-Nitroaniline
Concen: 43.693 ng
RT: 15.457 min Scan# 2103
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:138 Resp: 485622

Ion	Ratio	Lower	Upper
138	100		
92	47.8	27.8	67.8
108	68.9	48.9	88.9



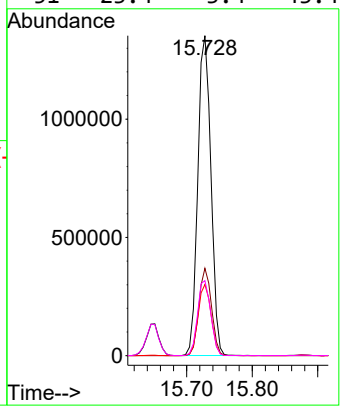


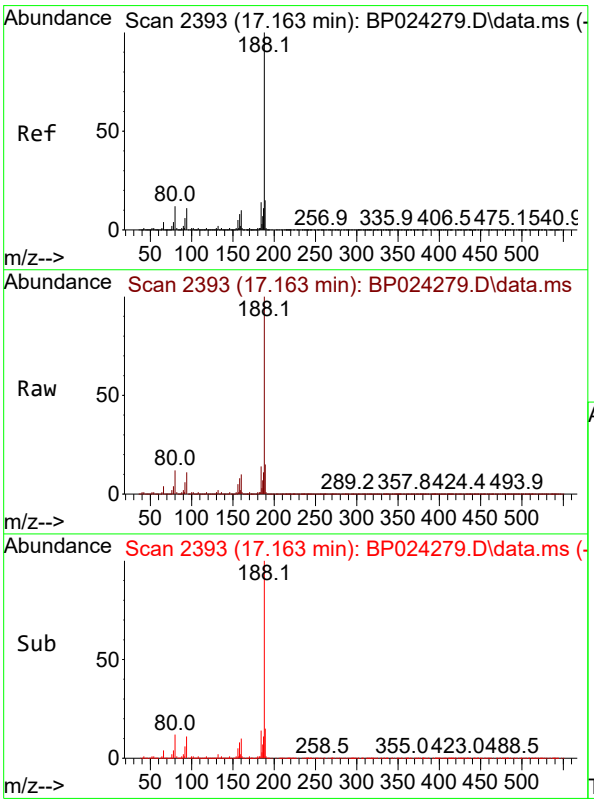
#63
Azobenzene
Concen: 41.392 ng
RT: 15.728 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 1881773

Ion	Ratio	Lower	Upper
77	100		
182	27.3	7.3	47.3
105	22.3	2.3	42.3
51	23.4	3.4	43.4

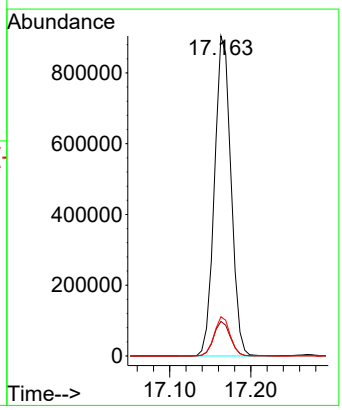


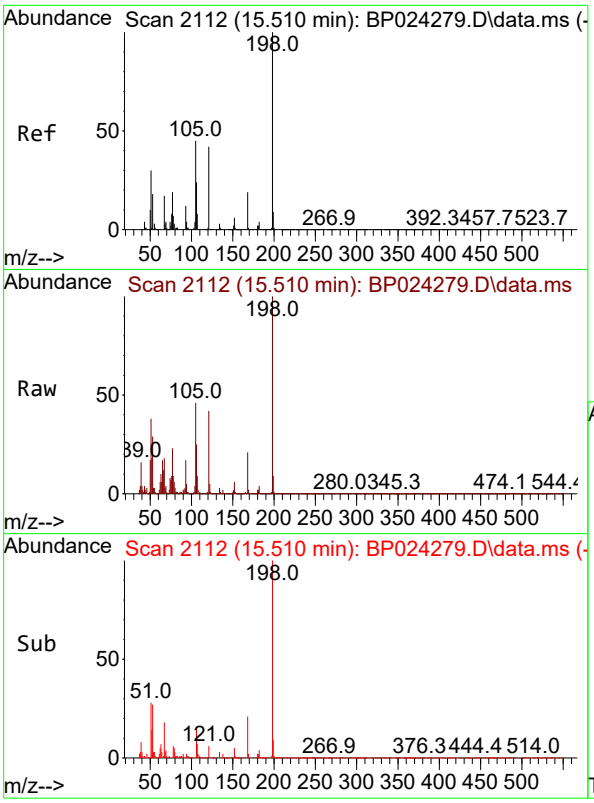


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2393
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:188 Resp: 1277198

Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.6	13.0
80	12.2	9.8	14.6



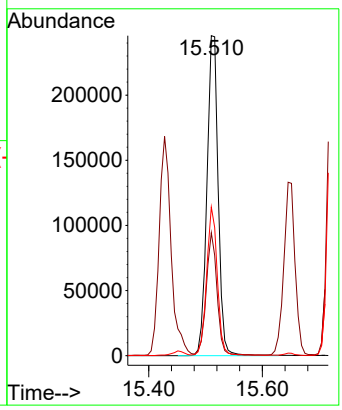


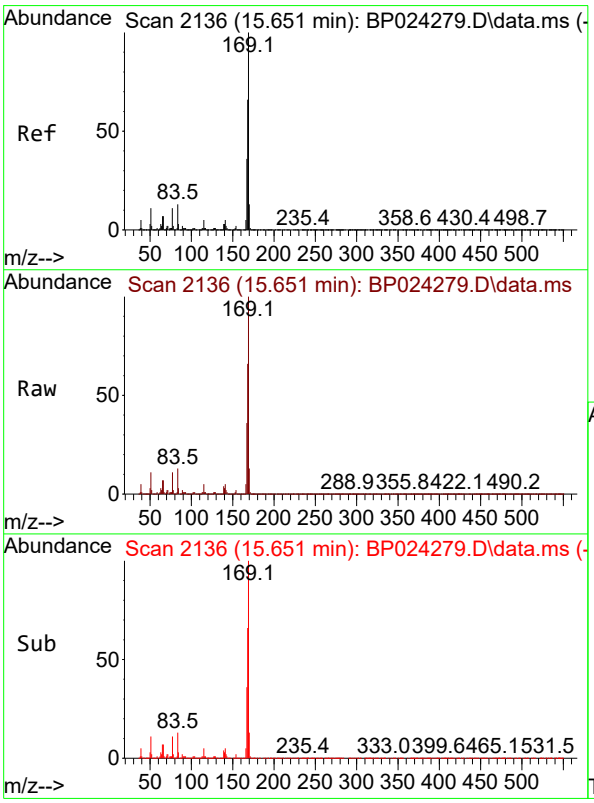
#65
4,6-Dinitro-2-methylphenol
Concen: 44.938 ng
RT: 15.510 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 335347

Ion	Ratio	Lower	Upper
198	100		
51	38.4	18.4	58.4
105	46.5	26.5	66.5

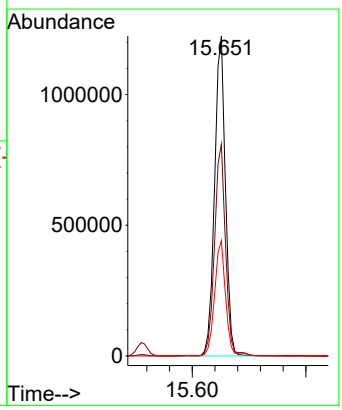


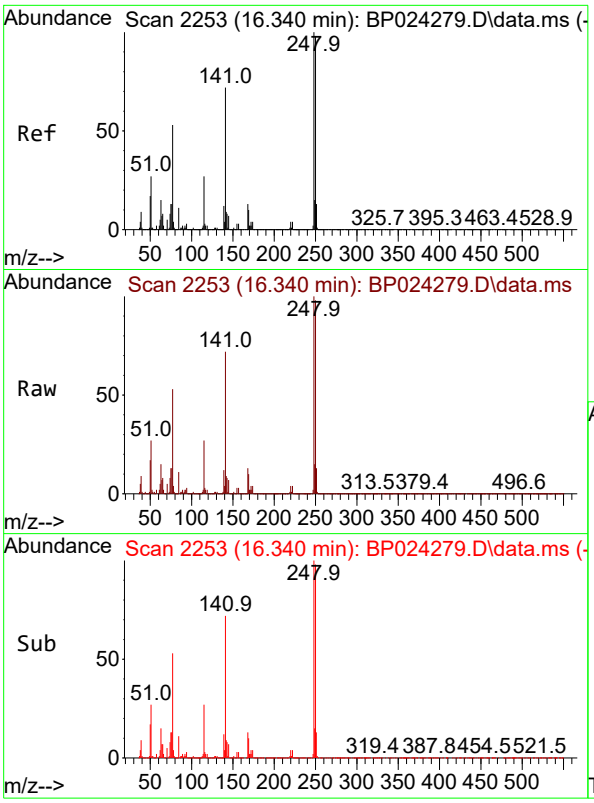


#66
n-Nitrosodiphenylamine
Concen: 42.021 ng
RT: 15.651 min Scan# 2136
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:169 Resp: 1609251

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.4
167	36.1	28.9	43.3



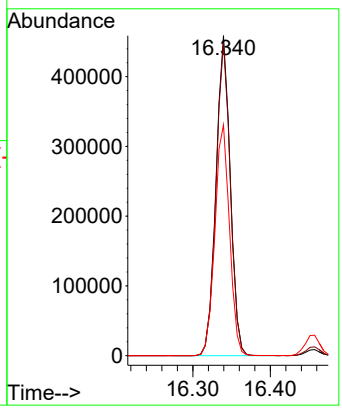


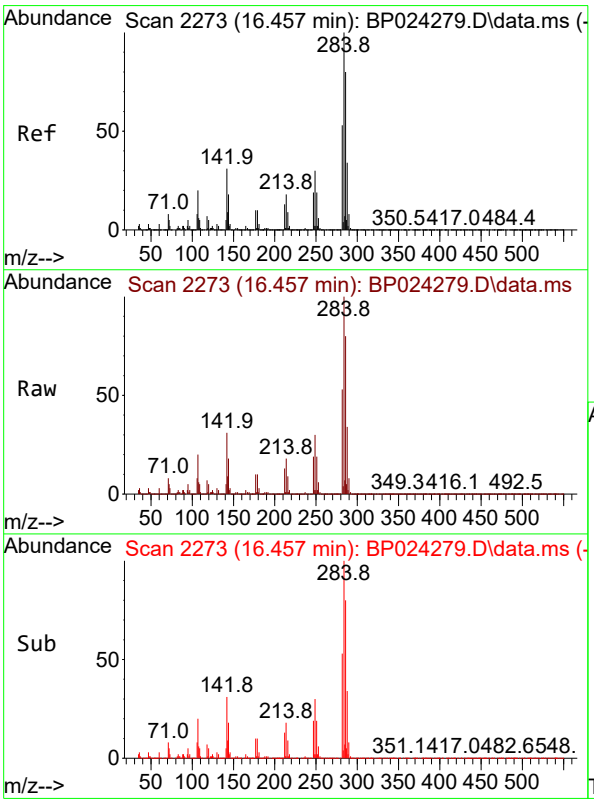
#67
4-Bromophenyl-phenylether
Concen: 42.165 ng
RT: 16.340 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 587416

Ion	Ratio	Lower	Upper
248	100		
250	97.8	78.2	117.4
141	72.1	57.7	86.5

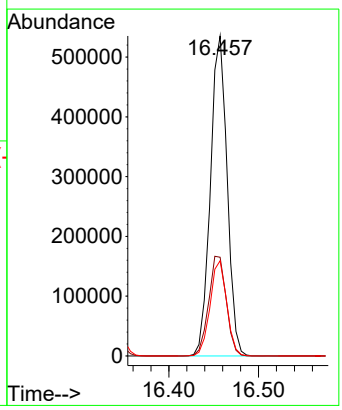


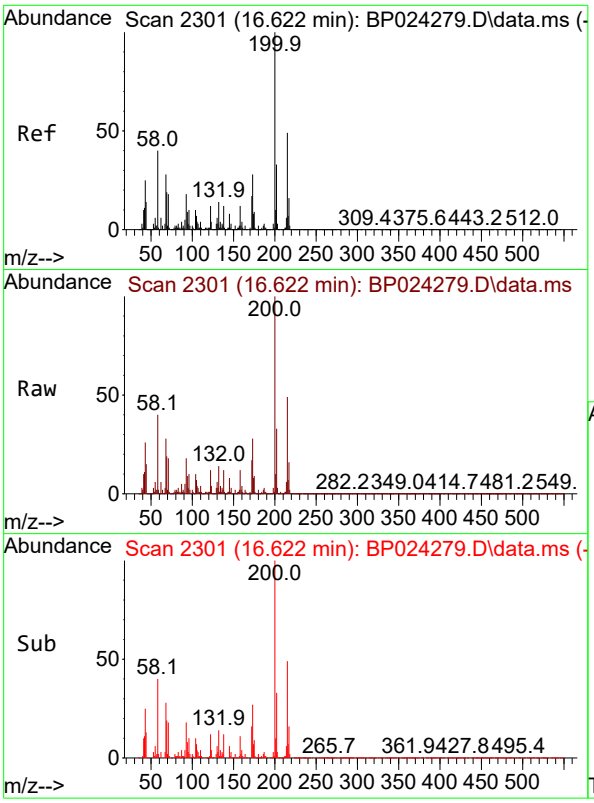


#68
Hexachlorobenzene
Concen: 41.815 ng
RT: 16.457 min Scan# 2273
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:284 Resp: 692546

Ion	Ratio	Lower	Upper
284	100		
142	30.8	24.6	37.0
249	29.7	23.8	35.6



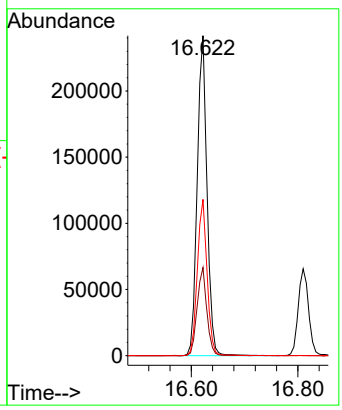


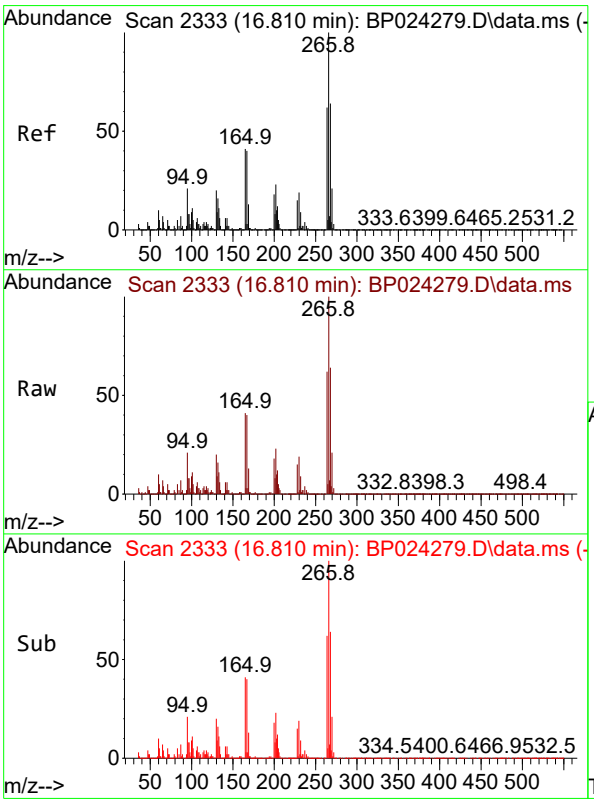
#69
Atrazine
Concen: 31.786 ng
RT: 16.622 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 308618

Ion	Ratio	Lower	Upper
200	100		
173	27.5	7.5	47.5
215	48.8	28.8	68.8

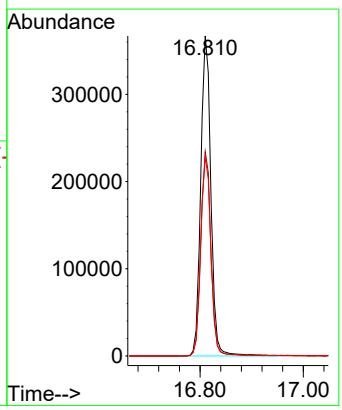


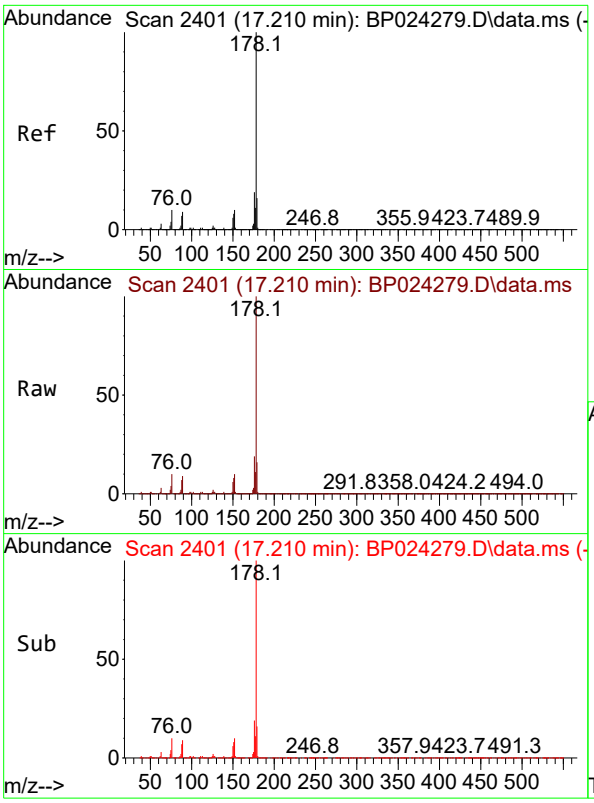


#70
Pentachlorophenol
Concen: 43.955 ng
RT: 16.810 min Scan# 2333
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:266 Resp: 499858

Ion	Ratio	Lower	Upper
266	100		
268	63.8	51.0	76.6
264	62.2	49.8	74.6



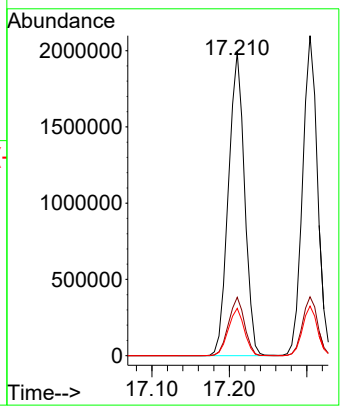


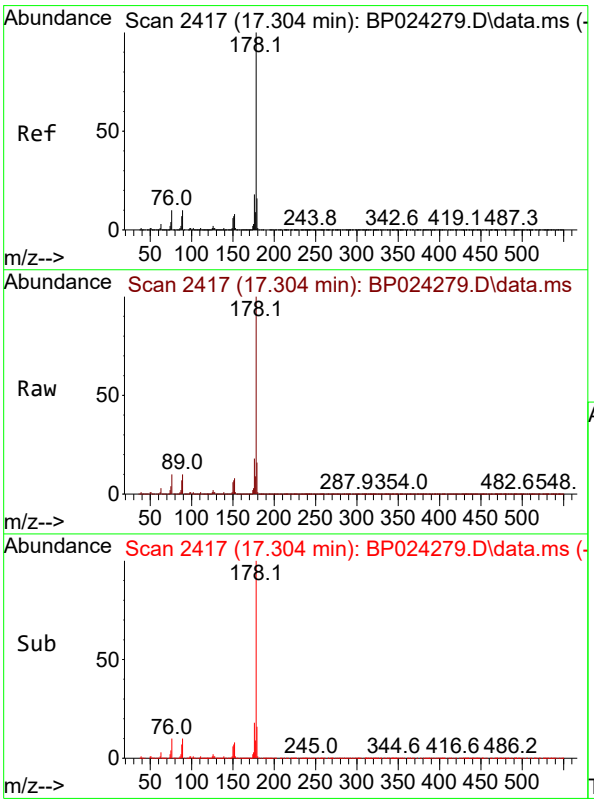
#71
Phenanthrene
Concen: 41.121 ng
RT: 17.210 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 2879498

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.6	12.5	18.7

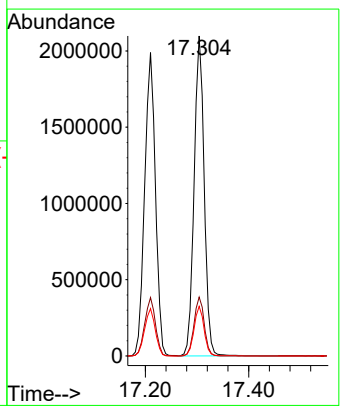


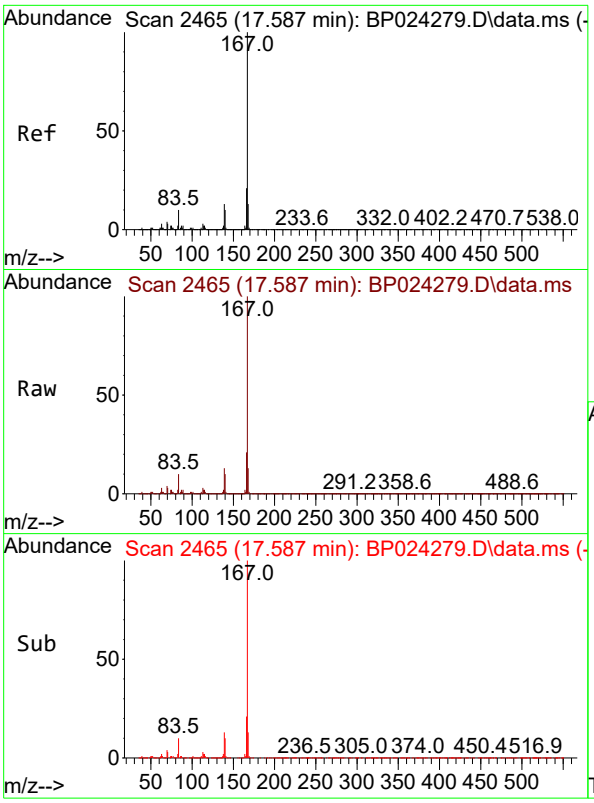


#72
Anthracene
Concen: 42.130 ng
RT: 17.304 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:178 Resp: 2838724

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.5	12.4	18.6



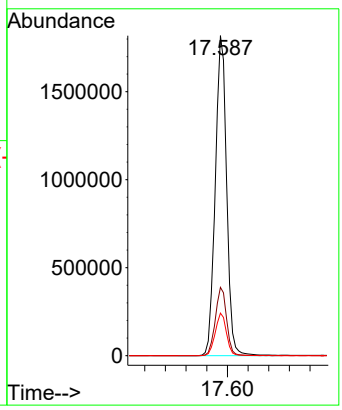


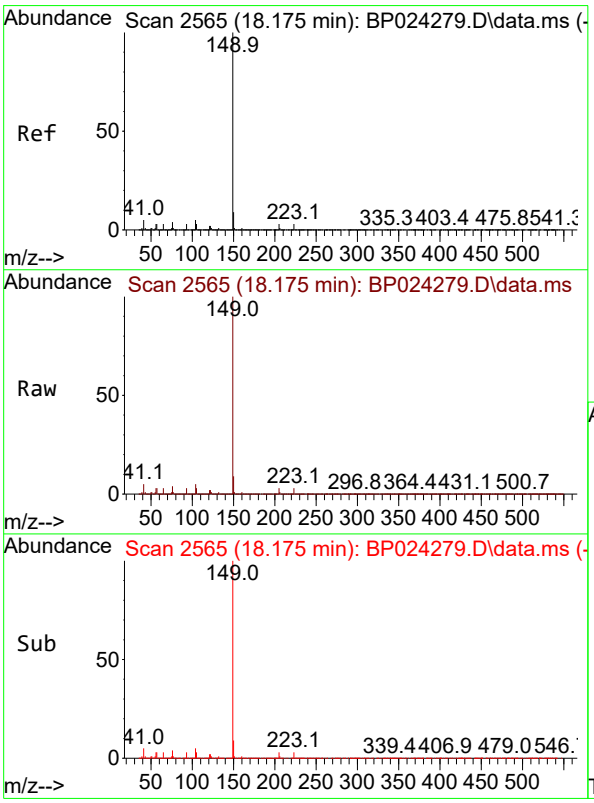
#73
Carbazole
Concen: 42.242 ng
RT: 17.587 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 2770072

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	13.3	10.6	16.0

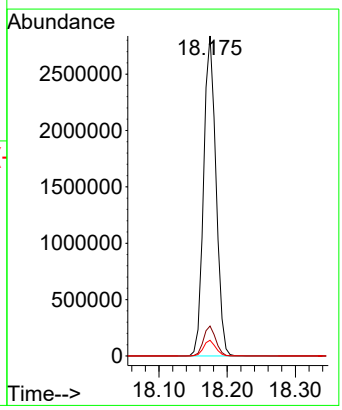


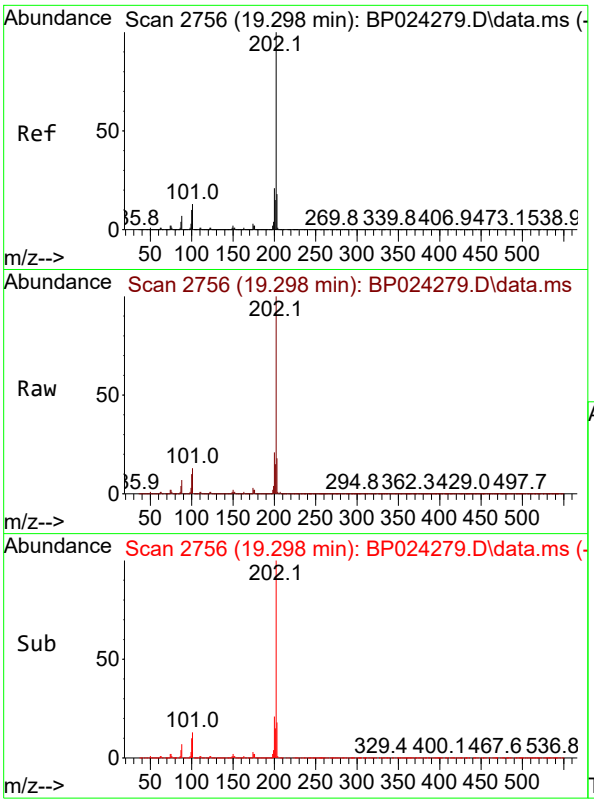


#74
Di-n-butylphthalate
Concen: 43.708 ng
RT: 18.175 min Scan# 2565
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:149 Resp: 3571220

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	4.9	3.9	5.9



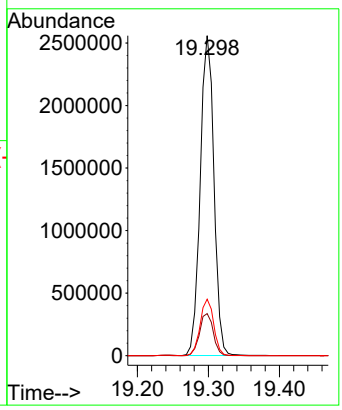


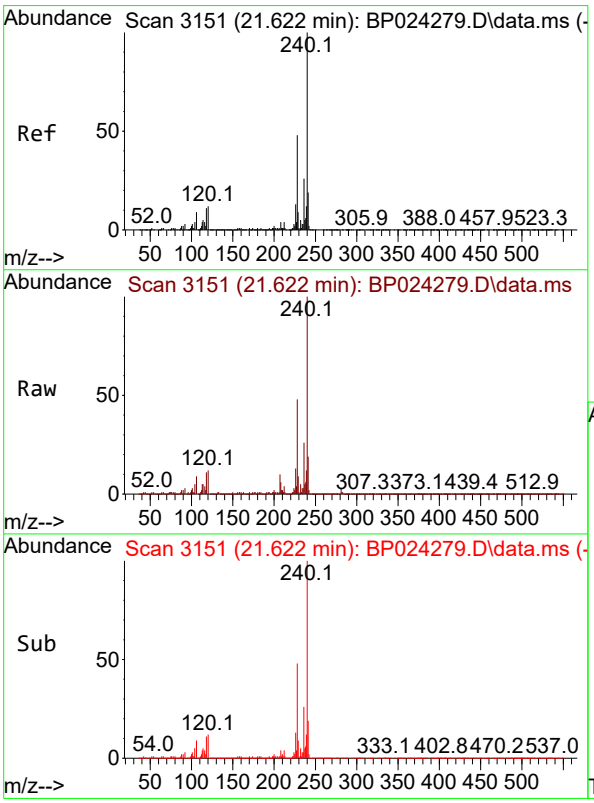
#75
Fluoranthene
Concen: 41.404 ng
RT: 19.298 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 3441282

Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	33.2
203	17.7	0.0	37.7

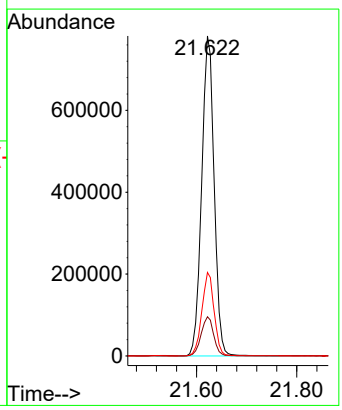


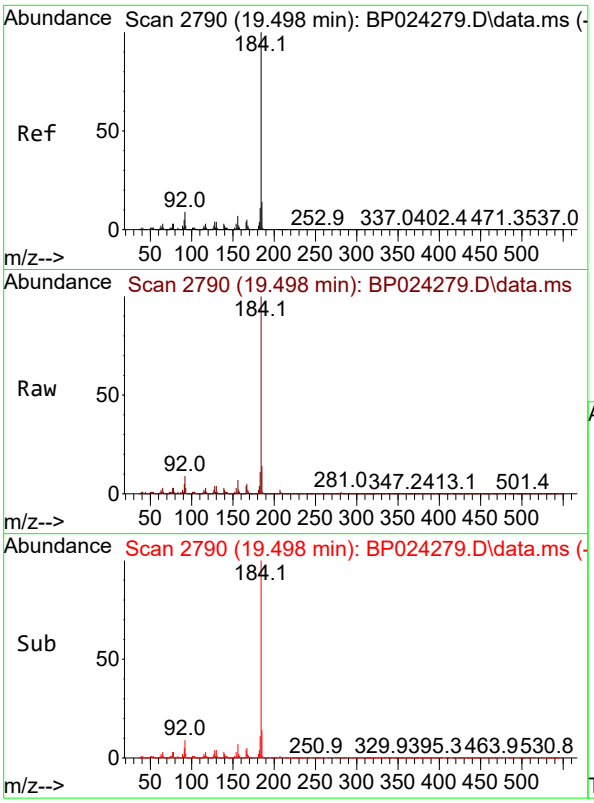


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.622 min Scan# 3151
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:240 Resp: 1349860

Ion	Ratio	Lower	Upper
240	100		
120	12.3	9.8	14.8
236	26.1	20.9	31.3



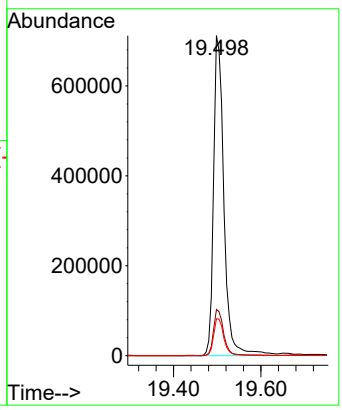


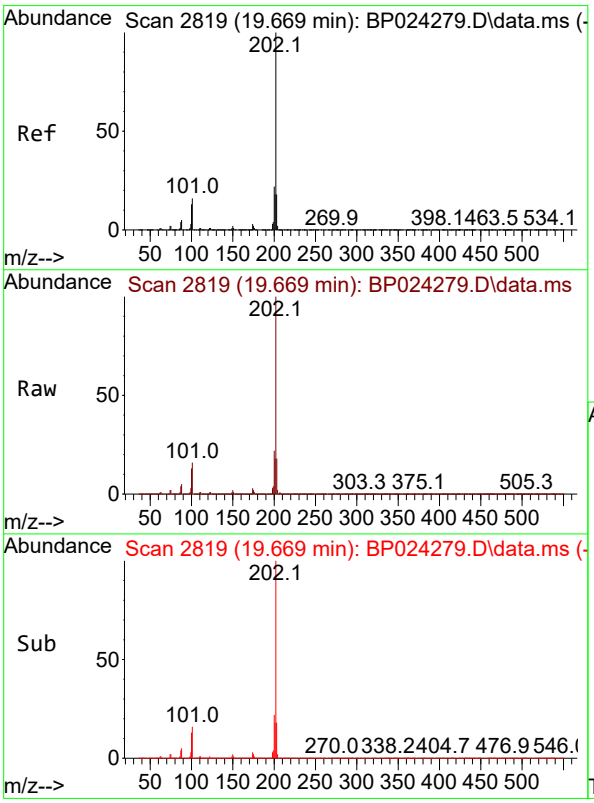
#77
Benzidine
Concen: 70.714 ng
RT: 19.498 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 1178258

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.6	17.4
183	11.5	9.2	13.8

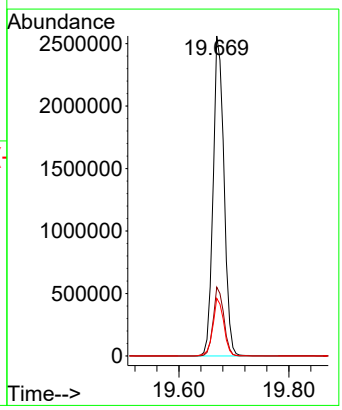


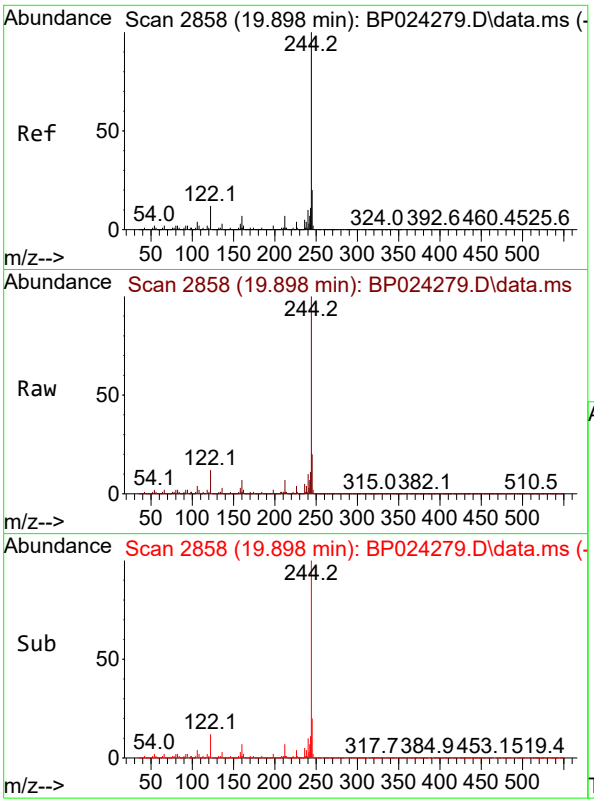


#78
Pyrene
Concen: 40.790 ng
RT: 19.669 min Scan# 2819
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:202 Resp: 3523104

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.2	25.8
203	18.0	14.4	21.6



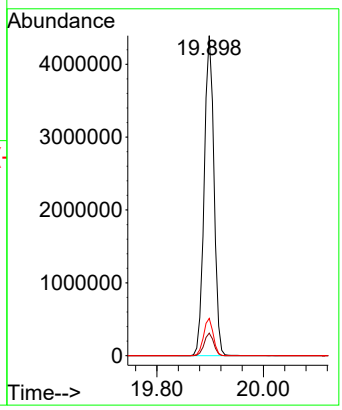


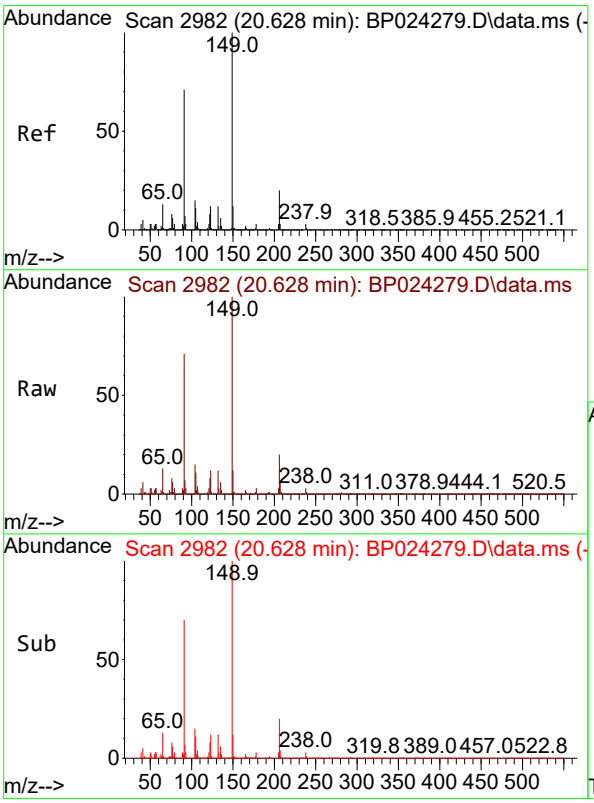
#79
Terphenyl-d14
Concen: 82.266 ng
RT: 19.898 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 5570563

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	11.7	9.4	14.0

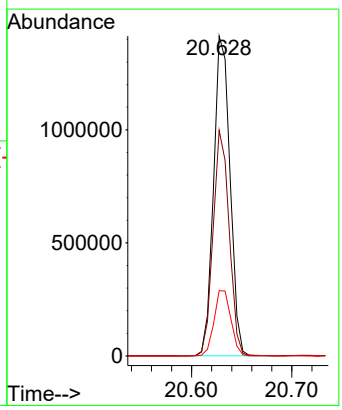


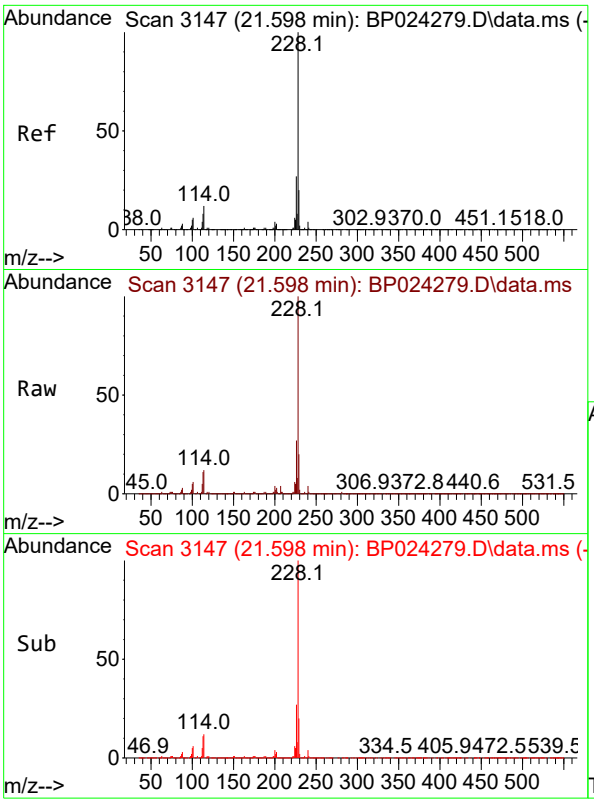


#80
Butylbenzylphthalate
Concen: 44.158 ng
RT: 20.628 min Scan# 2982
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:149 Resp: 1607881

Ion	Ratio	Lower	Upper
149	100		
91	70.5	56.4	84.6
206	20.4	16.3	24.5



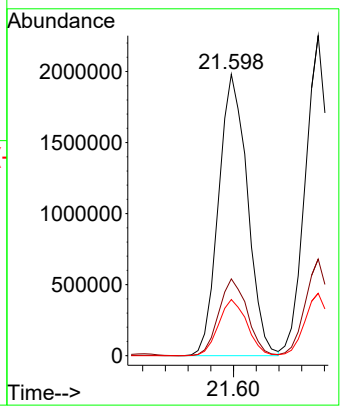


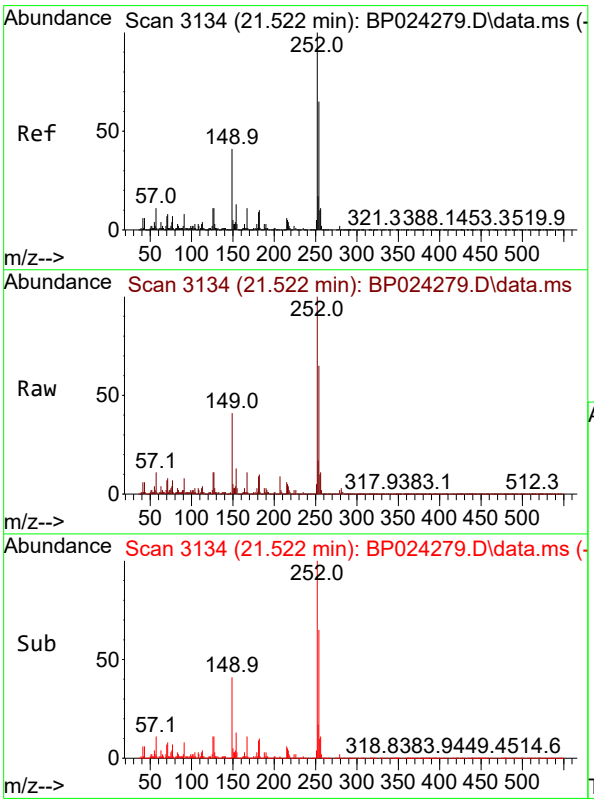
#81
Benzo(a)anthracene
Concen: 41.472 ng
RT: 21.598 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 3489938

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.9	15.9	23.9

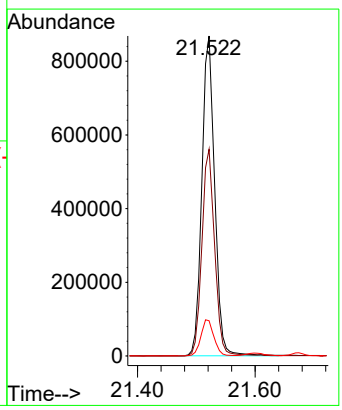


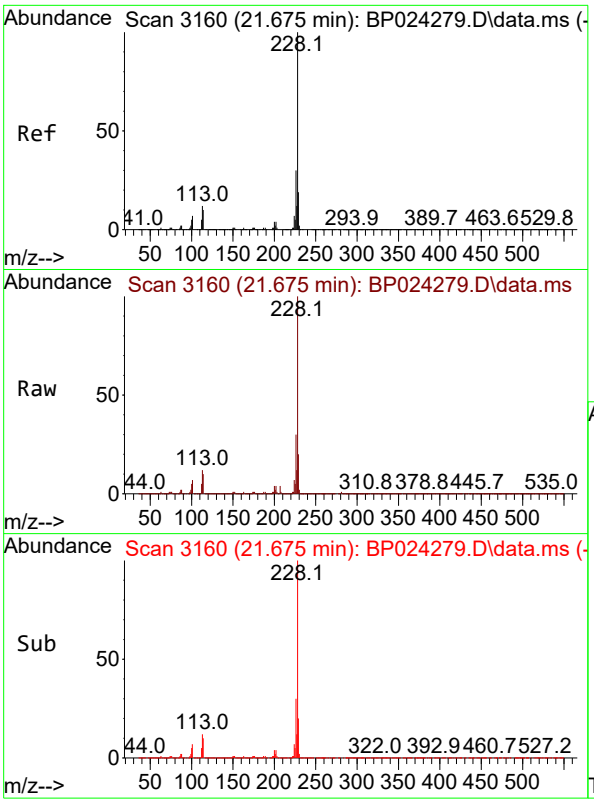


#82
3,3'-Dichlorobenzidine
Concen: 44.953 ng
RT: 21.522 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:252 Resp: 1311770

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.7	77.5
126	11.0	8.8	13.2



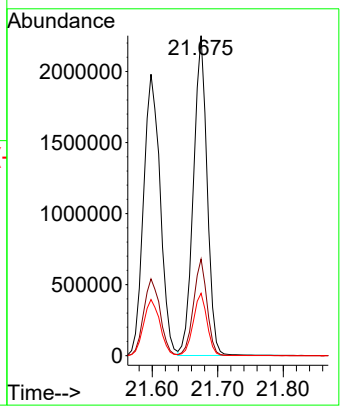


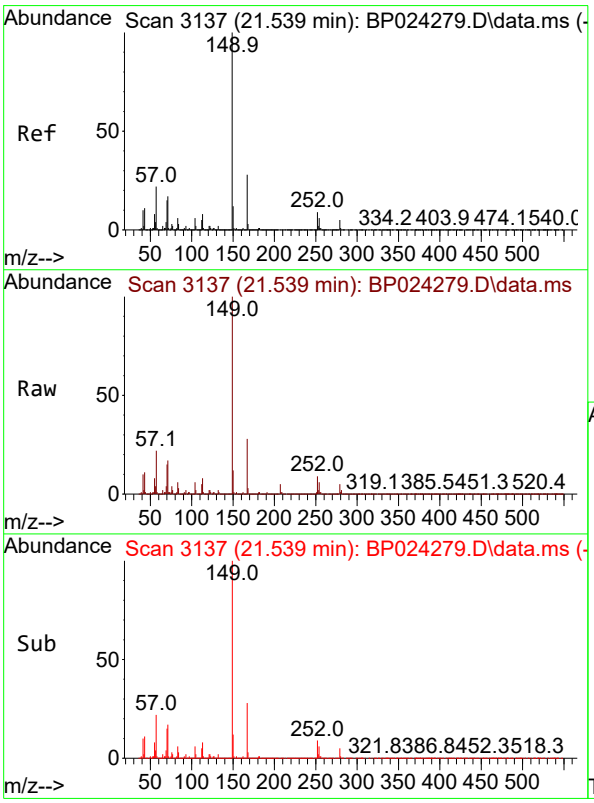
#83
Chrysene
Concen: 40.596 ng
RT: 21.675 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 3274153

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.2
229	19.5	15.6	23.4

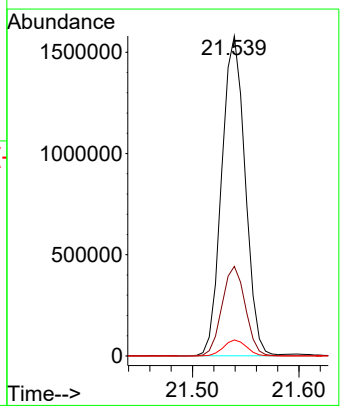


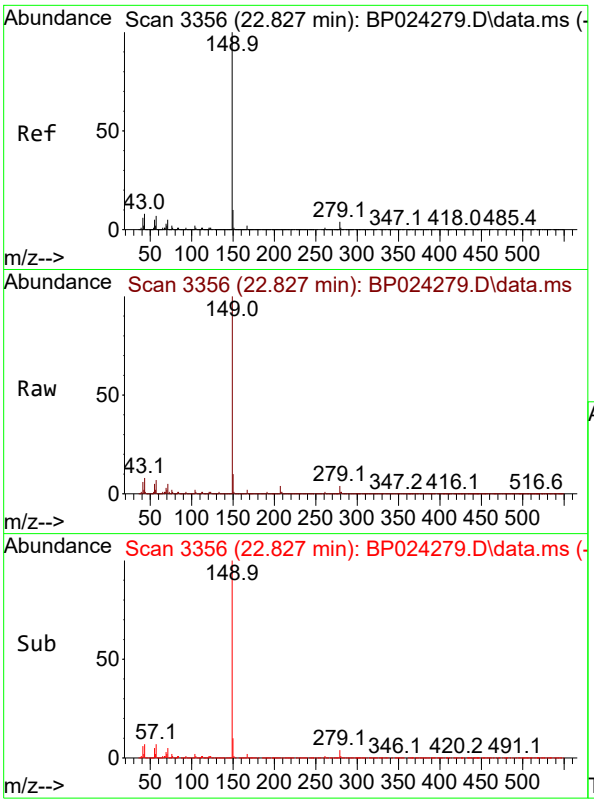


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.979 ng
RT: 21.539 min Scan# 3137
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:149 Resp: 2411998

Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.4	33.6
279	5.0	4.0	6.0



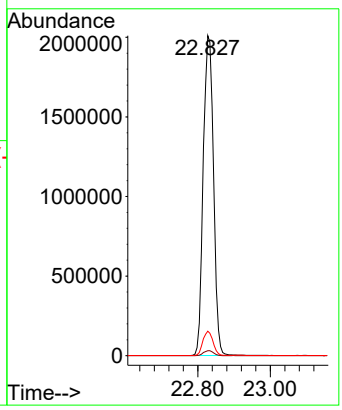


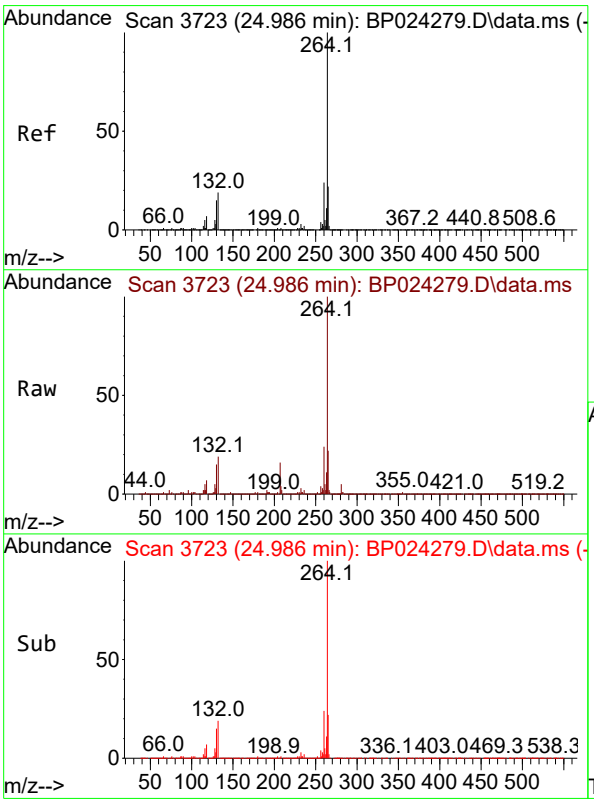
#85
Di-n-octyl phthalate
Concen: 45.913 ng
RT: 22.827 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 3943939

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	7.5	6.0	9.0

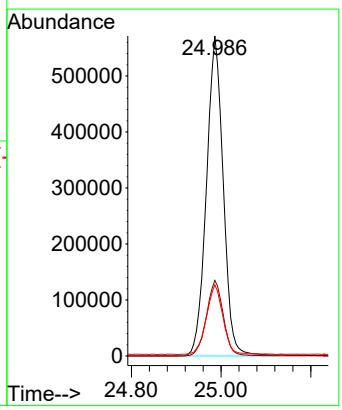


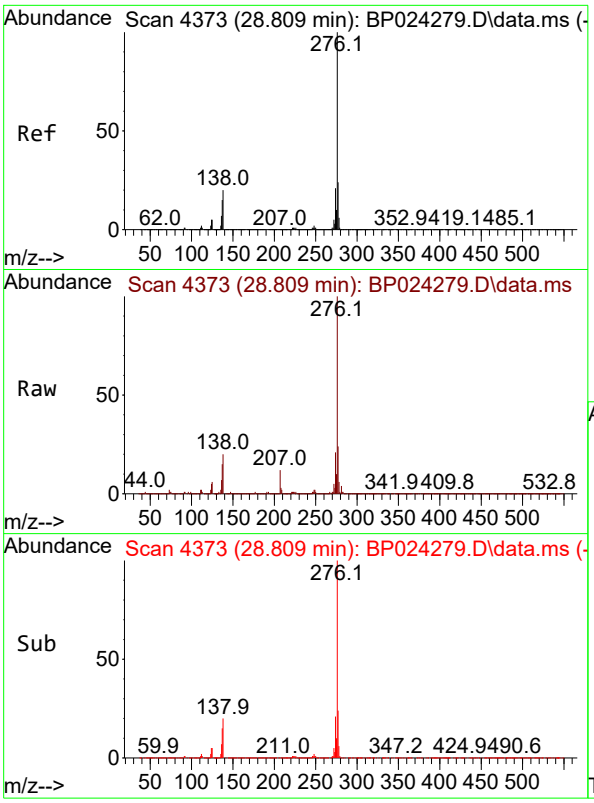


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.986 min Scan# 3723
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:264 Resp: 1485135

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	22.2	17.8	26.6



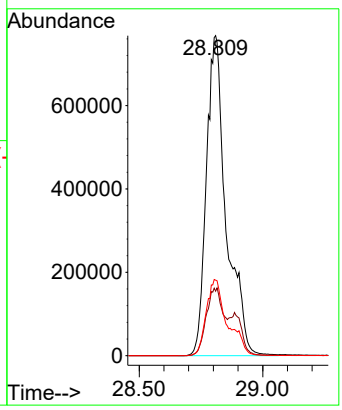


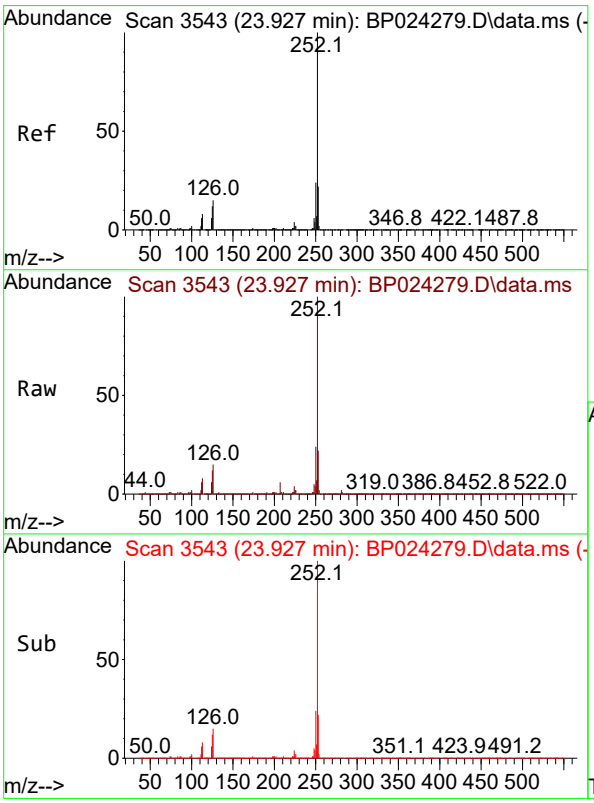
#87
Indeno(1,2,3-cd)pyrene
Concen: 41.987 ng
RT: 28.809 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 4288630

Ion	Ratio	Lower	Upper
276	100		
138	18.1	14.5	21.7
277	25.2	20.2	30.2

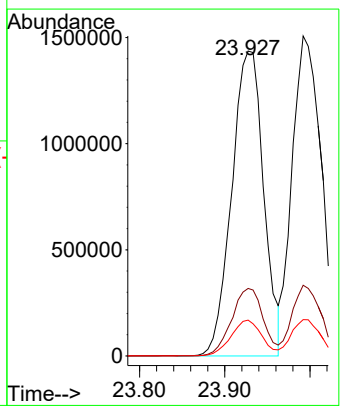


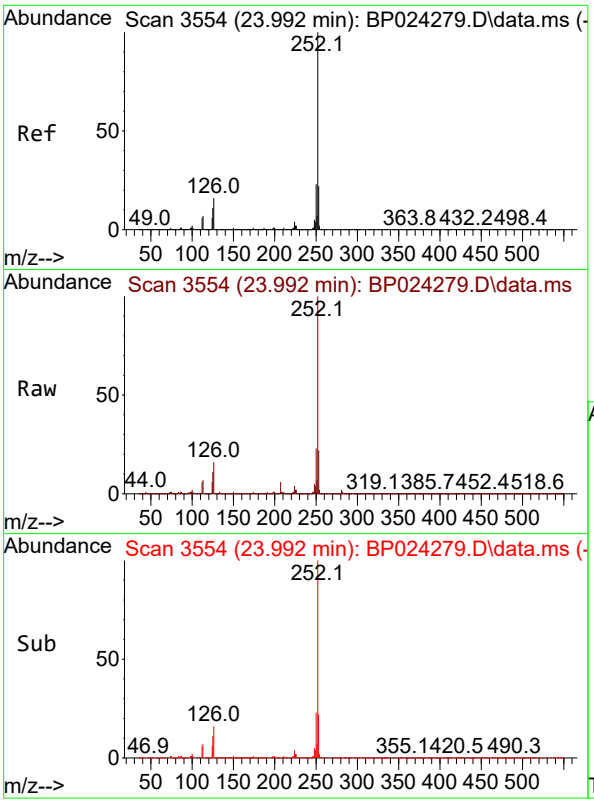


#88
Benzo(b)fluoranthene
Concen: 42.058 ng
RT: 23.927 min Scan# 3543
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:252 Resp: 3737035

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.7	9.4	14.0



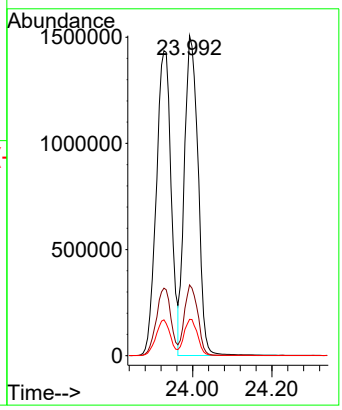


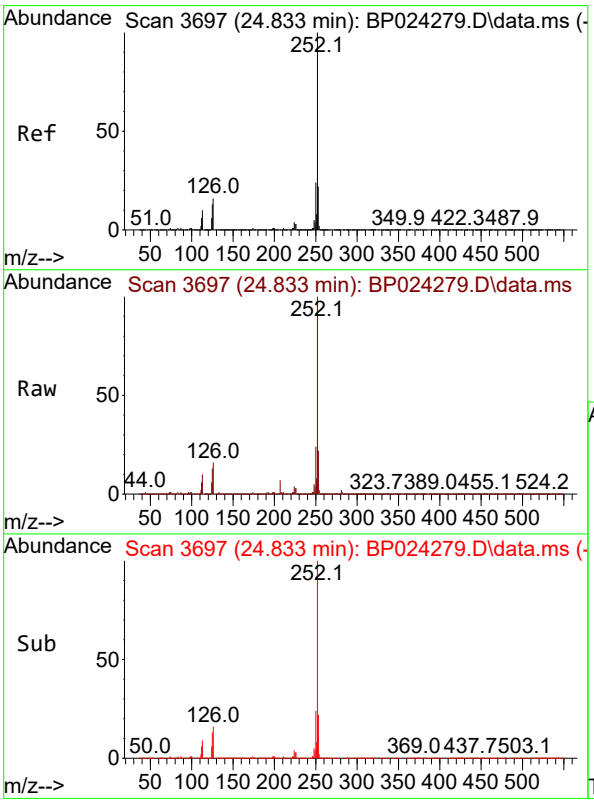
#89
Benzo(k)fluoranthene
Concen: 41.753 ng
RT: 23.992 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 3600626

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.4	9.1	13.7

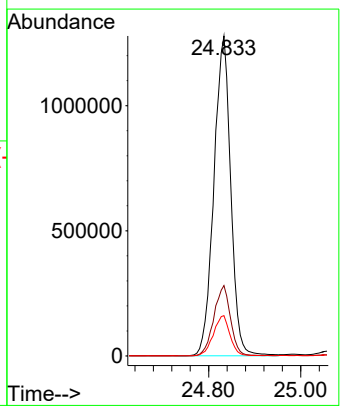


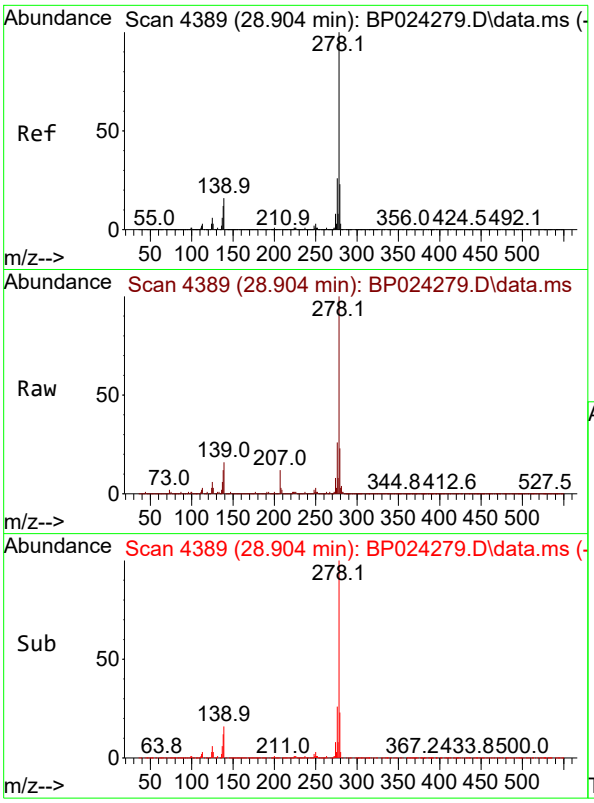


#90
Benzo(a)pyrene
Concen: 42.369 ng
RT: 24.833 min Scan# 3697
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:252 Resp: 3240684

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	12.6	10.1	15.1



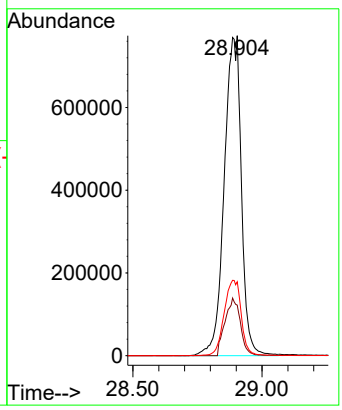


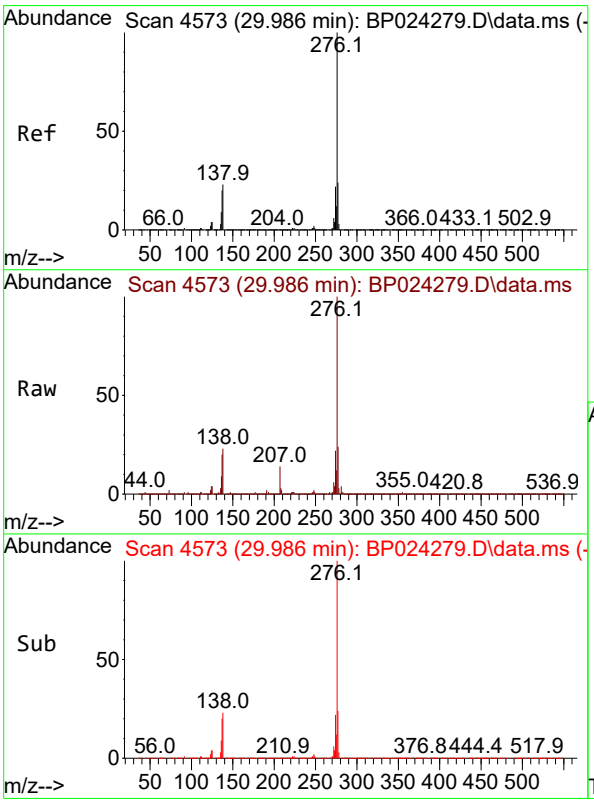
#91
Dibenzo(a,h)anthracene
Concen: 42.061 ng
RT: 28.904 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 3573562

Ion	Ratio	Lower	Upper
278	100		
139	15.8	12.6	19.0
279	23.1	18.5	27.7

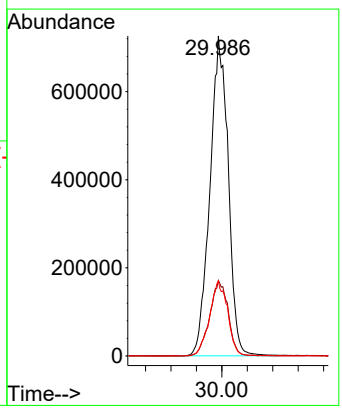




#92
Benzo(g,h,i)perylene
Concen: 41.826 ng
RT: 29.986 min Scan# 4573
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:276 Resp: 3617069

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.9	28.3
138	23.4	18.7	28.1



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024280.D
Acq On : 14 Apr 2025 15:10
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Apr 14 17:26:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.734	152	277364	20.000	ng		0.00
21) Naphthalene-d8	10.504	136	1176925	20.000	ng		0.00
39) Acenaphthene-d10	14.363	164	760235	20.000	ng		0.00
64) Phenanthrene-d10	17.163	188	1505097	20.000	ng		0.00
76) Chrysene-d12	21.616	240	1527193	20.000	ng		0.00
86) Perylene-d12	24.986	264	1706545	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.352	112	1677842	99.834	ng		0.00
7) Phenol-d6	6.916	99	2353543	102.366	ng		0.00
23) Nitrobenzene-d5	8.881	82	2100100	101.588	ng		0.00
42) 2,4,6-Tribromophenol	15.881	330	1098486	105.521	ng		0.00
45) 2-Fluorobiphenyl	12.975	172	4800845	95.877	ng		0.00
79) Terphenyl-d14	19.898	244	7671902	100.142	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	333474	46.479	ng		100
3) Pyridine	3.687	79	924382m	49.495	ng		
4) n-Nitrosodimethylamine	3.593	42	306279	49.180	ng		99
6) Aniline	7.075	93	972988	46.879	ng		100
8) 2-Chlorophenol	7.310	128	942078	50.160	ng		99
9) Benzaldehyde	6.887	77	507606	42.627	ng		97
10) Phenol	6.946	94	1177623	51.012	ng		99
11) bis(2-Chloroethyl)ether	7.163	93	915679	49.085	ng		100
12) 1,3-Dichlorobenzene	7.622	146	972089	47.770	ng		100
13) 1,4-Dichlorobenzene	7.769	146	995872	48.262	ng		99
14) 1,2-Dichlorobenzene	8.087	146	944314	47.327	ng		99
15) Benzyl Alcohol	7.975	79	791998	53.745	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.257	45	973910	47.988	ng		99
17) 2-Methylphenol	8.175	107	766536	51.526	ng		100
18) Hexachloroethane	8.805	117	360999	48.472	ng		98
19) n-Nitroso-di-n-propyla...	8.534	70	722064	50.562	ng		98
20) 3+4-Methylphenols	8.505	107	1086273	52.718	ng		99
22) Acetophenone	8.546	105	1441728	49.289	ng	#	99
24) Nitrobenzene	8.922	77	1025983	50.074	ng		99
25) Isophorone	9.446	82	1913172	51.264	ng		99
26) 2-Nitrophenol	9.622	139	541332	55.024	ng		98
27) 2,4-Dimethylphenol	9.687	122	662183	53.106	ng		99
28) bis(2-Chloroethoxy)met...	9.922	93	1265001	49.803	ng		100
29) 2,4-Dichlorophenol	10.157	162	904519	53.225	ng		100
30) 1,2,4-Trichlorobenzene	10.369	180	908732	49.426	ng		98
31) Naphthalene	10.557	128	3049887	48.957	ng		100
32) Benzoic acid	9.851	122	794832	58.988	ng		99
33) 4-Chloroaniline	10.669	127	1110772	51.030	ng		99
34) Hexachlorobutadiene	10.840	225	533336	49.450	ng		99
35) Caprolactam	11.463	113	339834	54.466	ng		100
36) 4-Chloro-3-methylphenol	11.798	107	1046795	52.860	ng		99
37) 2-Methylnaphthalene	12.169	142	2156247	49.942	ng		99
38) 1-Methylnaphthalene	12.393	142	2095184	49.538	ng		99
40) 1,2,4,5-Tetrachloroben...	12.540	216	1034638	49.522	ng		99
41) Hexachlorocyclopentadiene	12.522	237	378578	51.614	ng		99
43) 2,4,6-Trichlorophenol	12.787	196	732902	53.315	ng		96

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024280.D
Acq On : 14 Apr 2025 15:10
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Apr 14 17:26:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

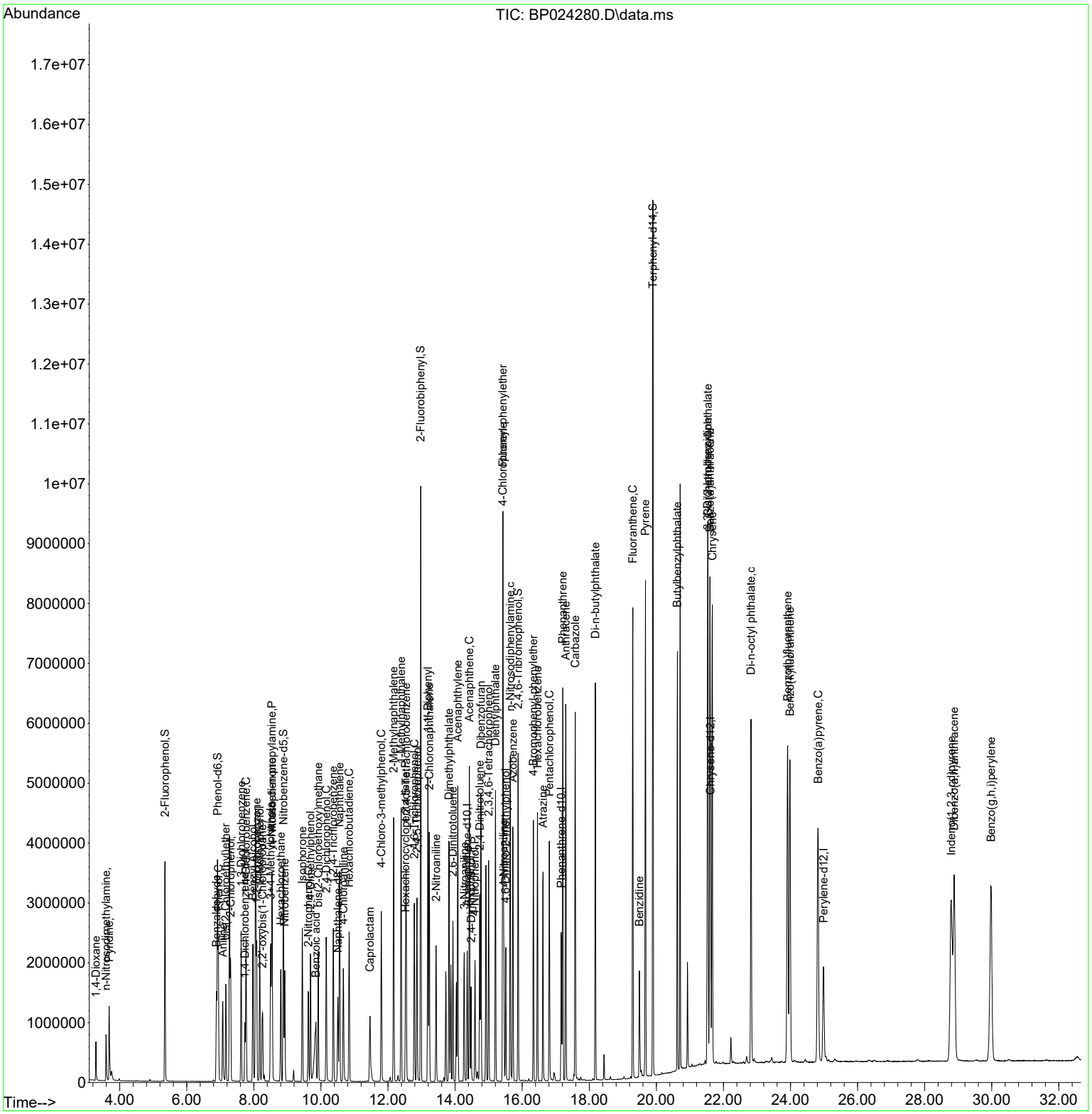
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.863	196	814885	53.491	ng	98
46) 1,1'-Biphenyl	13.187	154	2725840	48.551	ng	99
47) 2-Chloronaphthalene	13.234	162	2062098	49.220	ng	100
48) 2-Nitroaniline	13.434	65	616599	53.282	ng	98
49) Acenaphthylene	14.081	152	3279666	49.877	ng	100
50) Dimethylphthalate	13.822	163	2775759	50.046	ng	100
51) 2,6-Dinitrotoluene	13.934	165	606525	51.903	ng	98
52) Acenaphthene	14.428	154	2054333	49.128	ng	100
53) 3-Nitroaniline	14.275	138	649071	53.536	ng	98
54) 2,4-Dinitrophenol	14.481	184	373165	59.640	ng	99
55) Dibenzofuran	14.769	168	3318798	48.392	ng	100
56) 4-Nitrophenol	14.592	139	581023	55.750	ng	97
57) 2,4-Dinitrotoluene	14.734	165	839701	53.160	ng	99
58) Fluorene	15.428	166	2599105	49.085	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.998	232	734741	52.128	ng	100
60) Diethylphthalate	15.204	149	2849294	49.914	ng	100
61) 4-Chlorophenyl-phenyle...	15.422	204	1267291	49.287	ng	99
62) 4-Nitroaniline	15.451	138	691081	53.764	ng	96
63) Azobenzene	15.722	77	2632843	50.076	ng	99
65) 4,6-Dinitro-2-methylph...	15.510	198	503765	57.285	ng	97
66) n-Nitrosodiphenylamine	15.645	169	2225475	49.312	ng	100
67) 4-Bromophenyl-phenylether	16.334	248	827245	50.389	ng	99
68) Hexachlorobenzene	16.457	284	983768	50.405	ng	98
69) Atrazine	16.622	200	610479	53.356	ng	100
70) Pentachlorophenol	16.810	266	739779	55.203	ng	99
71) Phenanthrene	17.210	178	4024282	48.768	ng	100
72) Anthracene	17.298	178	3960913	49.883	ng	100
73) Carbazole	17.581	167	3814743	49.364	ng	100
74) Di-n-butylphthalate	18.180	149	4930617	51.208	ng	100
75) Fluoranthene	19.298	202	4815021	49.160	ng	99
77) Benzidine	19.498	184	1272924	67.525	ng	99
78) Pyrene	19.675	202	4942328	50.577	ng	100
80) Butylbenzylphthalate	20.627	149	2215843	53.788	ng	97
81) Benzo(a)anthracene	21.598	228	4711301	49.485	ng	99
82) 3,3'-Dichlorobenzidine	21.527	252	1768950	53.582	ng	99
83) Chrysene	21.669	228	4480150	49.099	ng	100
84) Bis(2-ethylhexyl)phtha...	21.539	149	3256722	53.679	ng	99
85) Di-n-octyl phthalate	22.821	149	5458484	56.166	ng	99
87) Indeno(1,2,3-cd)pyrene	28.792	276	5977144m	50.926	ng	
88) Benzo(b)fluoranthene	23.915	252	5102465	49.975	ng	99
89) Benzo(k)fluoranthene	23.986	252	4923203	49.683	ng	99
90) Benzo(a)pyrene	24.821	252	4490517	51.093	ng	100
91) Dibenzo(a,h)anthracene	28.880	278	4987219	51.084	ng	98
92) Benzo(g,h,i)perylene	29.980	276	5033807	50.656	ng	99

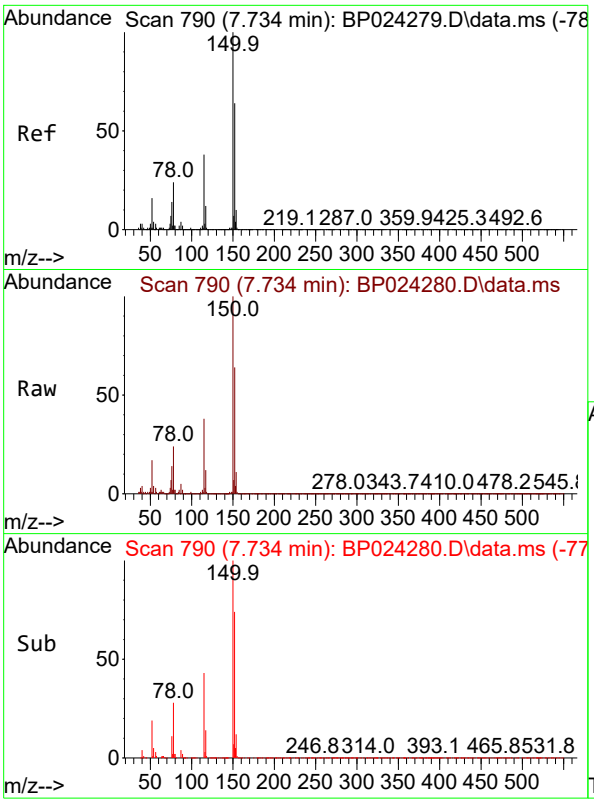
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024280.D
Acq On : 14 Apr 2025 15:10
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Apr 14 17:26:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



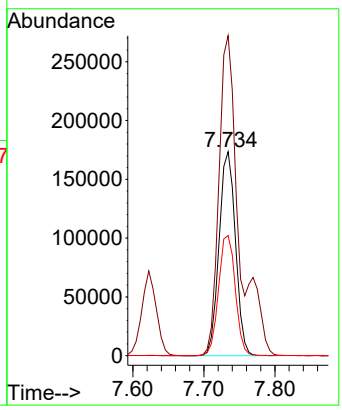


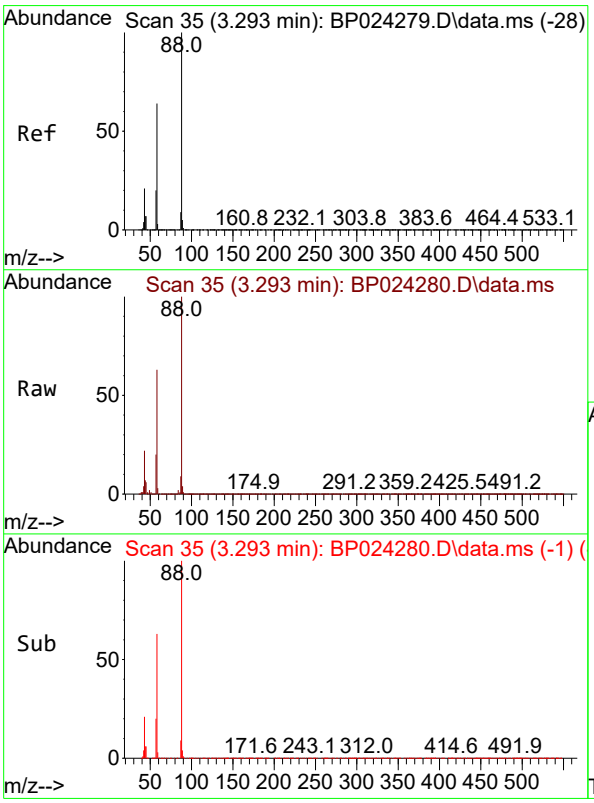
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 277364

Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.9	187.3
115	58.9	47.7	71.5

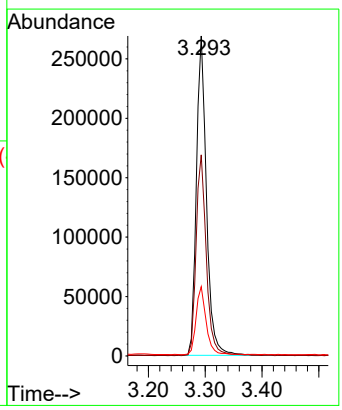


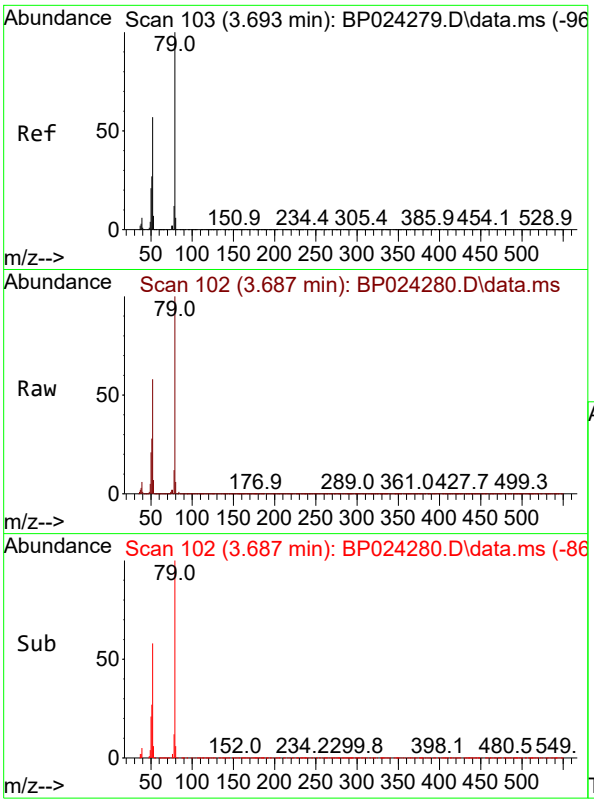


#2
1,4-Dioxane
Concen: 46.479 ng
RT: 3.293 min Scan# 35
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 88 Resp: 333474

Ion	Ratio	Lower	Upper
88	100		
58	64.0	51.4	77.2
43	21.2	17.1	25.7



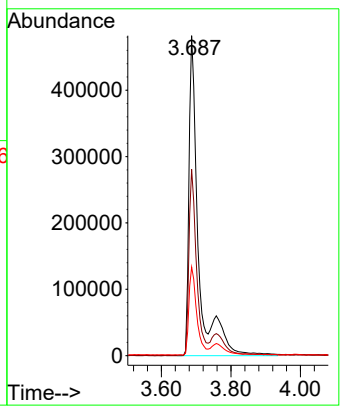


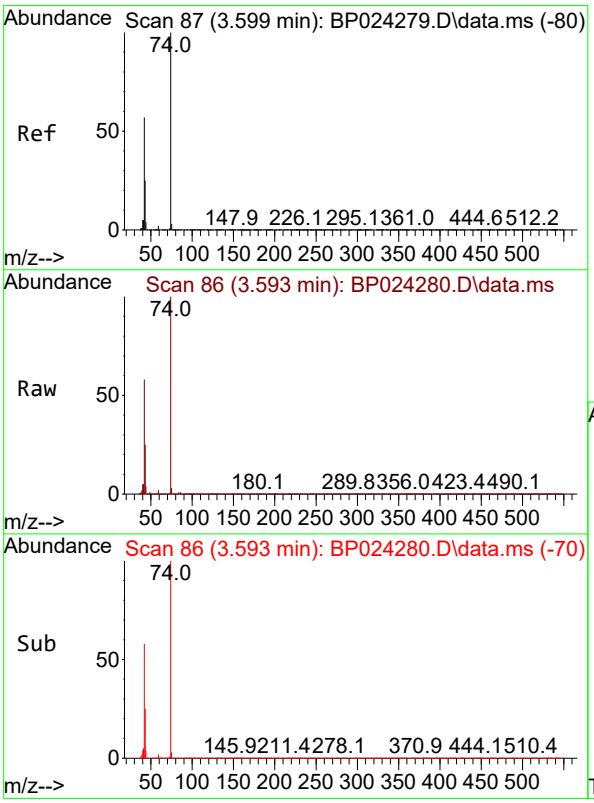
#3
Pyridine
Concen: 49.495 ng m
RT: 3.687 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 924382

Ion	Ratio	Lower	Upper
79	100		
52	58.2	45.4	68.2
51	27.7	22.6	33.8

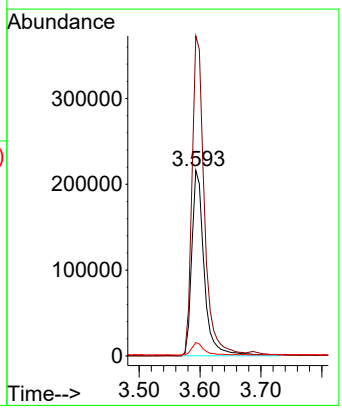


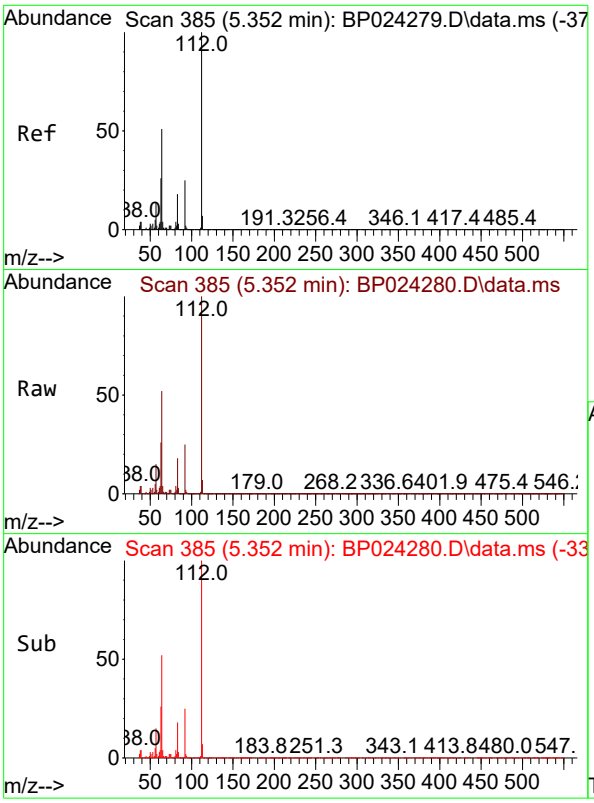


#4
n-Nitrosodimethylamine
Concen: 49.180 ng
RT: 3.593 min Scan# 86
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 42 Resp: 306279

Ion	Ratio	Lower	Upper
42	100		
74	172.6	139.5	209.3
44	7.3	5.8	8.8



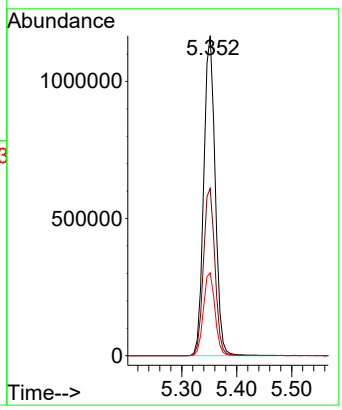


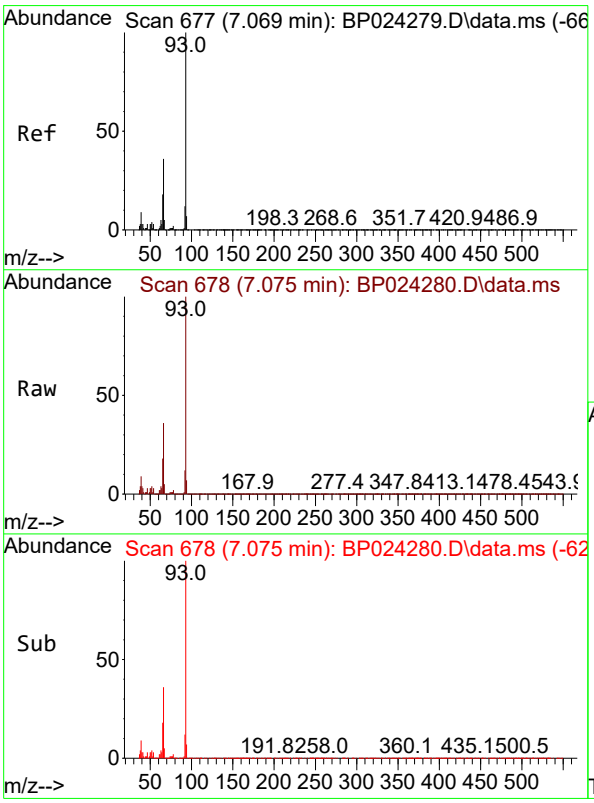
#5
2-Fluorophenol
Concen: 99.834 ng
RT: 5.352 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 1677842

Ion	Ratio	Lower	Upper
112	100		
64	52.2	41.1	61.7
63	25.9	20.6	30.8

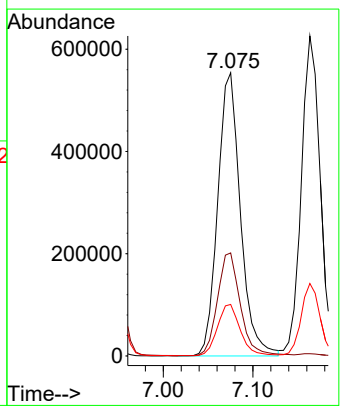


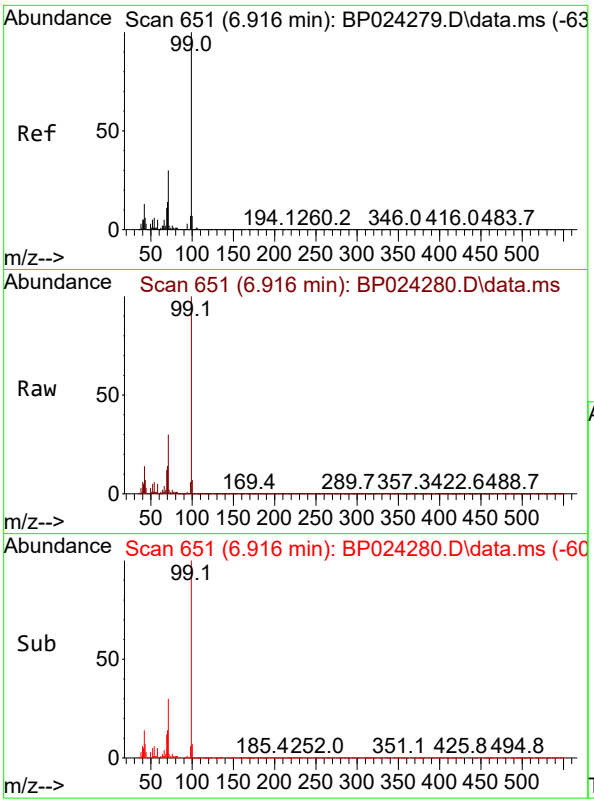


#6
Aniline
Concen: 46.879 ng
RT: 7.075 min Scan# 678
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 93 Resp: 972988

Ion	Ratio	Lower	Upper
93	100		
66	36.4	29.1	43.7
65	18.2	14.7	22.1



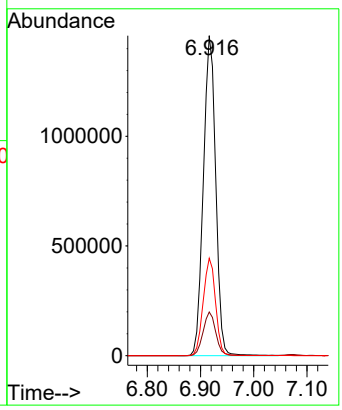


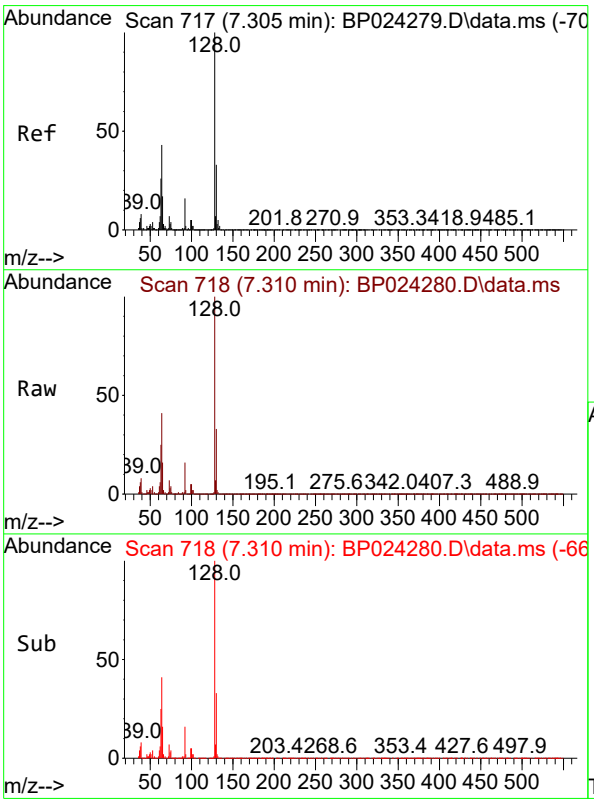
#7
Phenol-d6
Concen: 102.366 ng
RT: 6.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 2353543

Ion	Ratio	Lower	Upper
99	100		
42	13.7	10.6	16.0
71	30.4	23.7	35.5

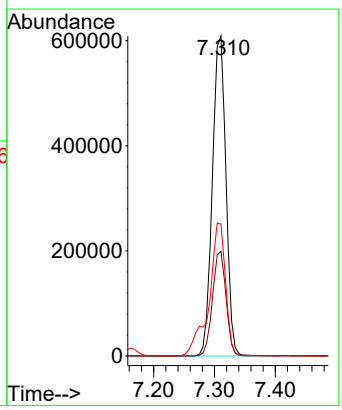


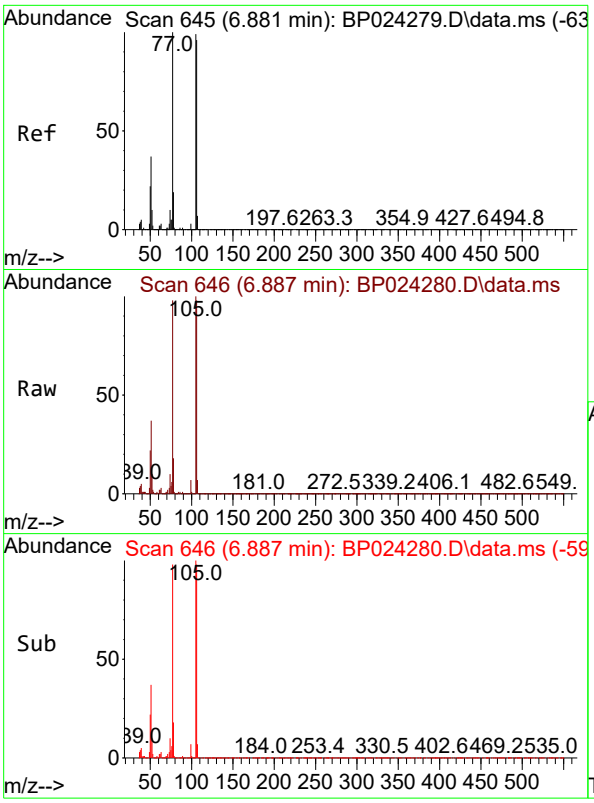


#8
2-Chlorophenol
Concen: 50.160 ng
RT: 7.310 min Scan# 718
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:128 Resp: 942078

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.9	52.9
64	41.2	22.7	62.7



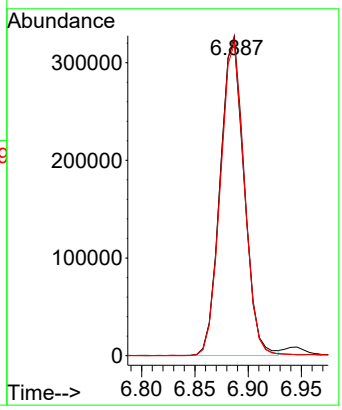


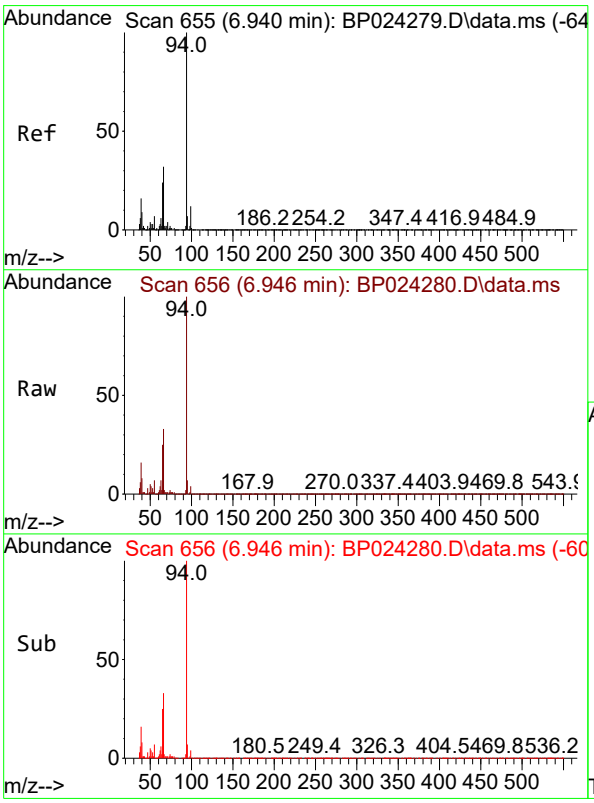
#9
Benzaldehyde
Concen: 42.627 ng
RT: 6.887 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 507606

Ion	Ratio	Lower	Upper
77	100		
105	101.5	79.2	119.2
106	99.2	76.2	116.2

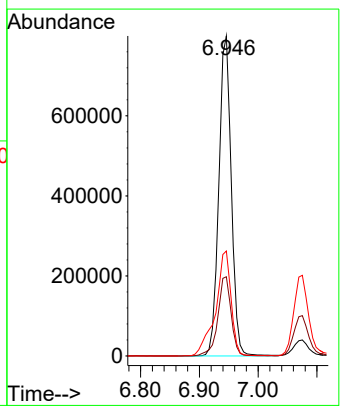


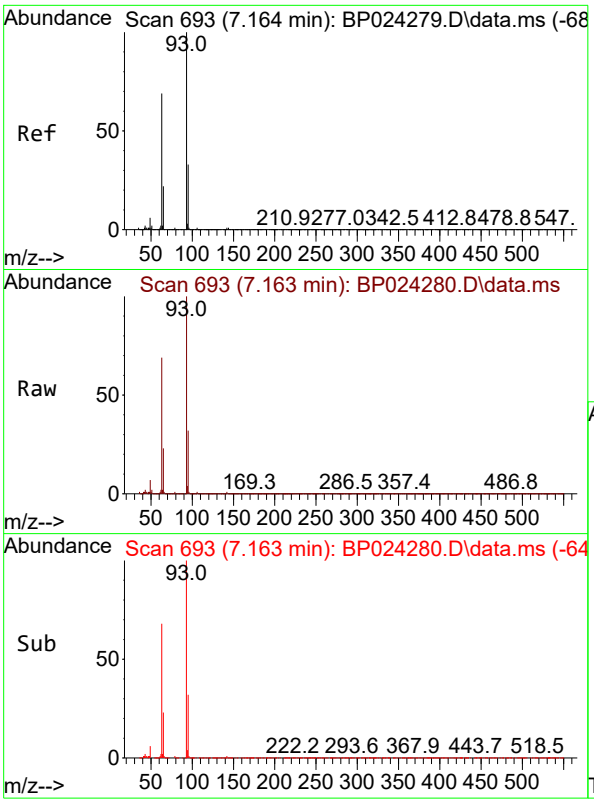


#10
Phenol
Concen: 51.012 ng
RT: 6.946 min Scan# 656
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 94 Resp: 1177623

Ion	Ratio	Lower	Upper
94	100		
65	24.8	4.5	44.5
66	32.8	12.4	52.4



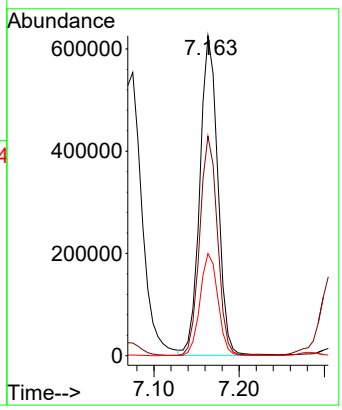


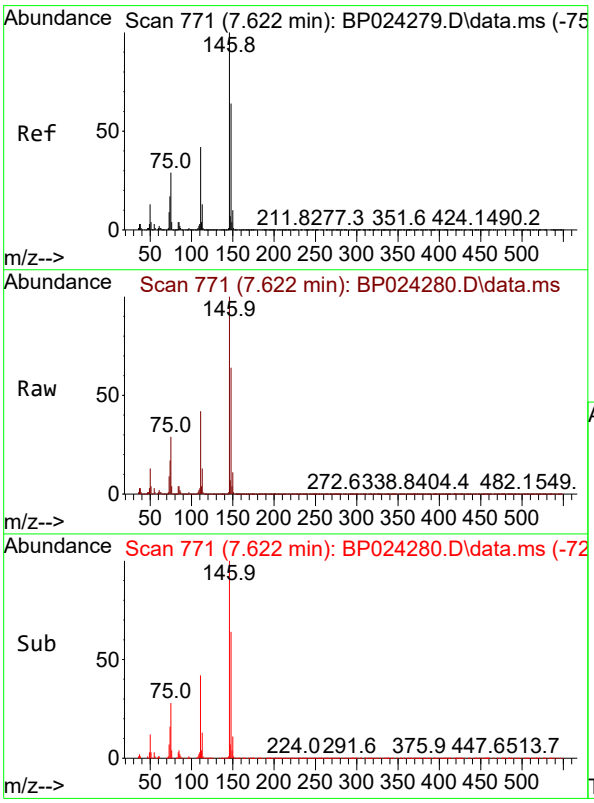
#11
bis(2-Chloroethyl)ether
Concen: 49.085 ng
RT: 7.163 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 915679

Ion	Ratio	Lower	Upper
93	100		
63	68.6	48.6	88.6
95	31.9	12.3	52.3

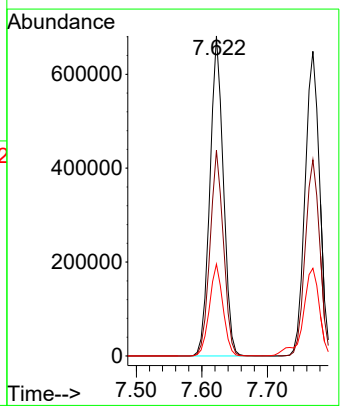


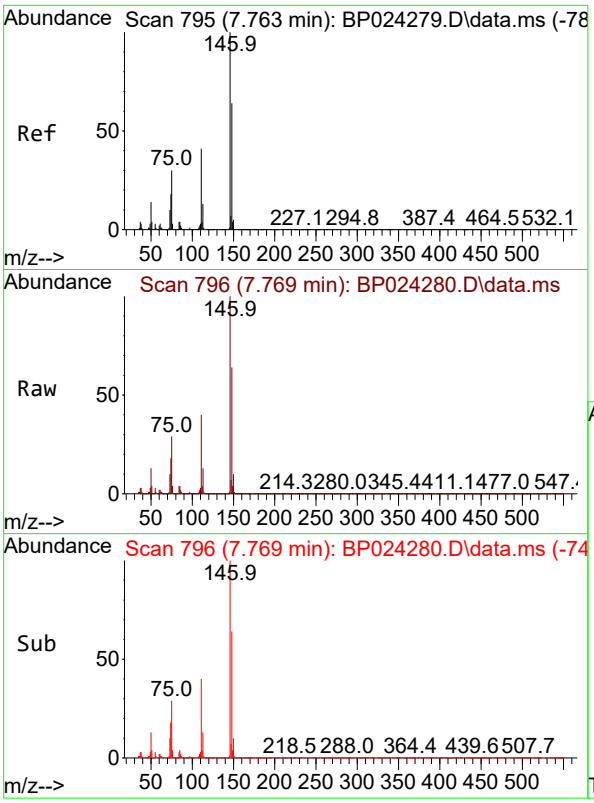


#12
1,3-Dichlorobenzene
Concen: 47.770 ng
RT: 7.622 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:146 Resp: 972089

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.4	77.0
75	28.7	22.9	34.3



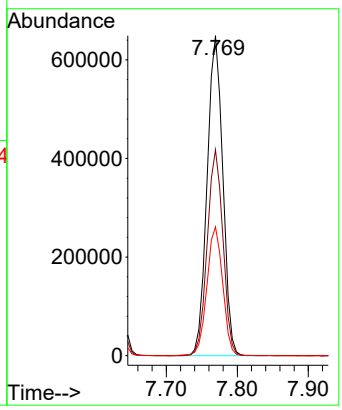


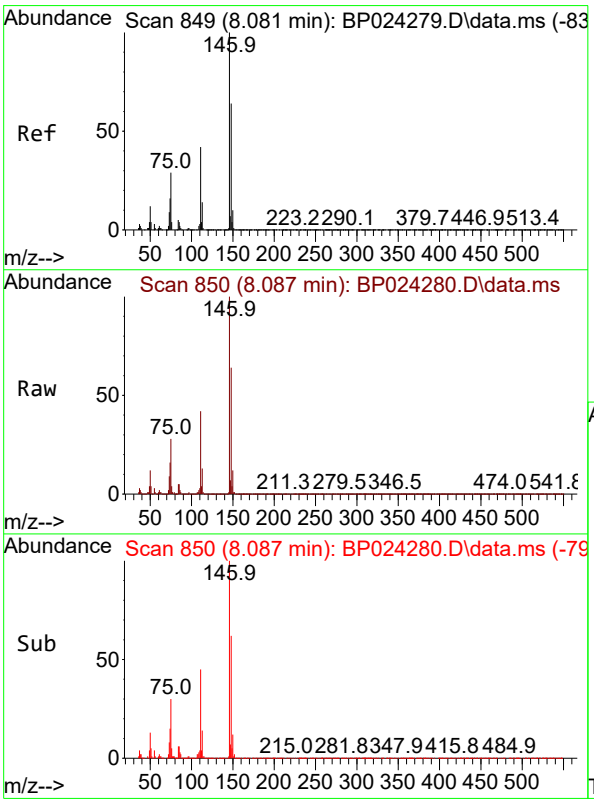
#13
1,4-Dichlorobenzene
Concen: 48.262 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 995872

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.1	76.7
111	40.3	32.6	48.8

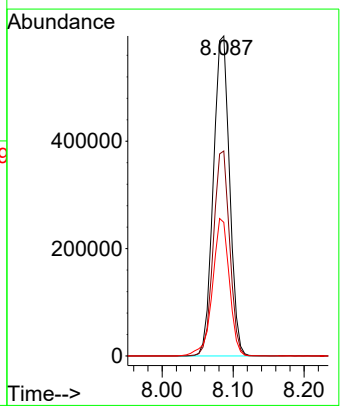


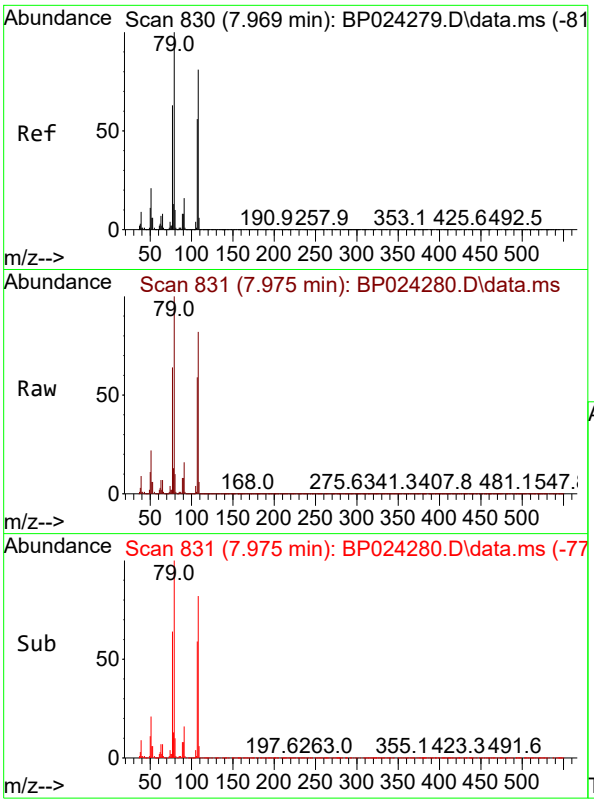


#14
1,2-Dichlorobenzene
Concen: 47.327 ng
RT: 8.087 min Scan# 850
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:146 Resp: 944314

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.0	76.4
111	41.8	33.8	50.8



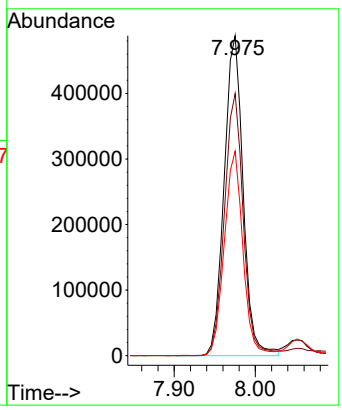


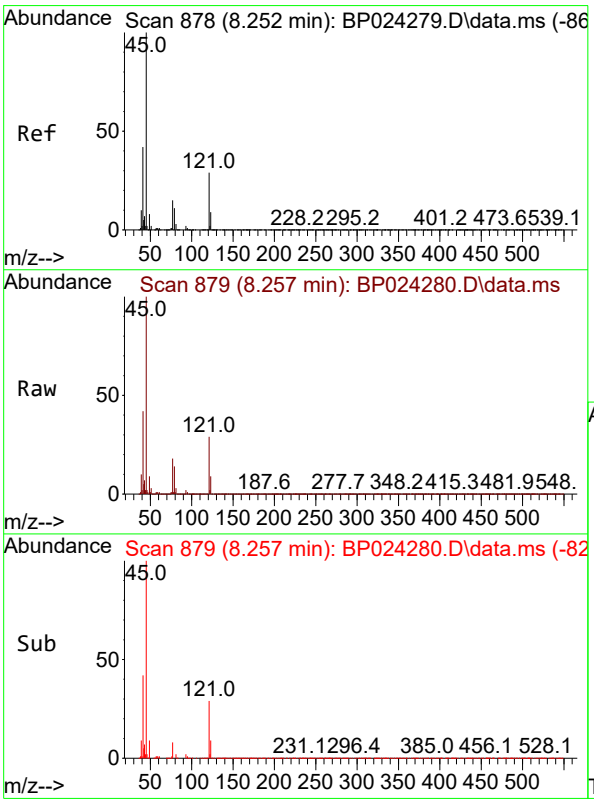
#15
Benzyl Alcohol
Concen: 53.745 ng
RT: 7.975 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 791998

Ion	Ratio	Lower	Upper
79	100		
108	81.9	65.1	97.7
77	63.9	50.7	76.1

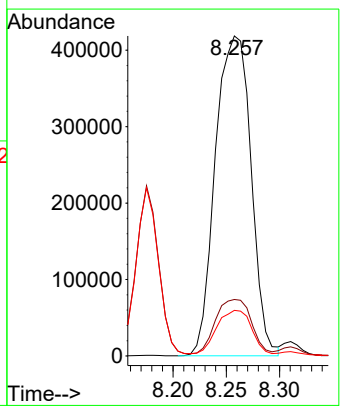


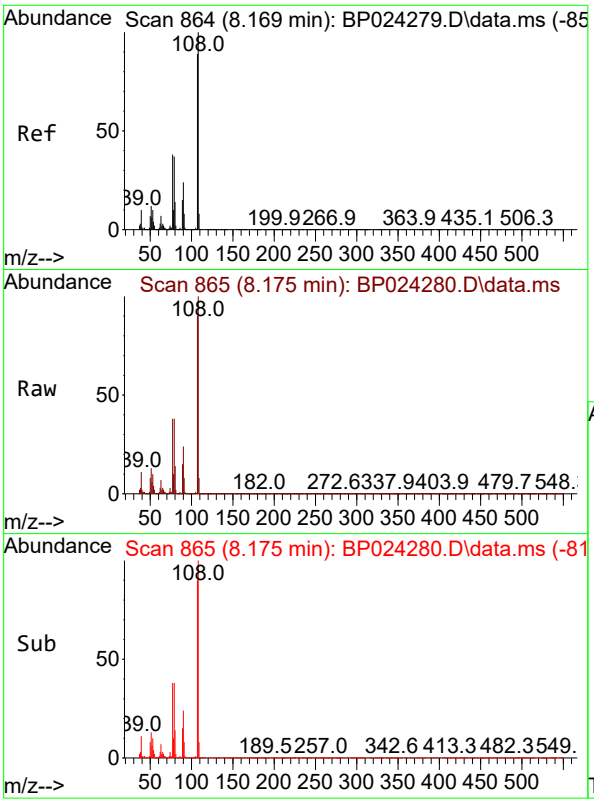


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.988 ng
RT: 8.257 min Scan# 879
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 45 Resp: 973910

Ion	Ratio	Lower	Upper
45	100		
77	17.6	0.0	37.7
79	14.2	0.0	33.5



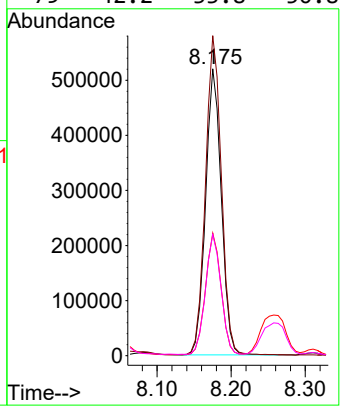


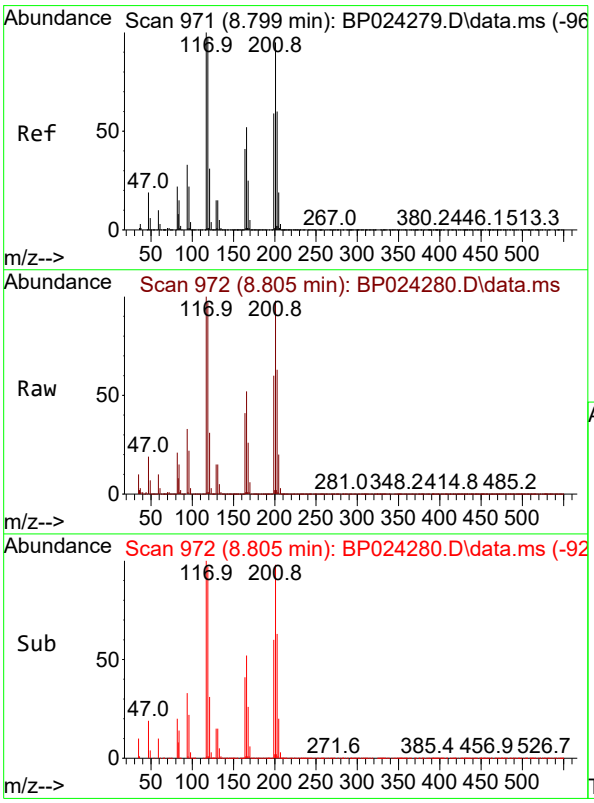
#17
2-Methylphenol
Concen: 51.526 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 766536

Ion	Ratio	Lower	Upper
107	100		
108	111.5	89.8	134.6
77	42.7	34.2	51.4
79	42.2	33.8	50.8

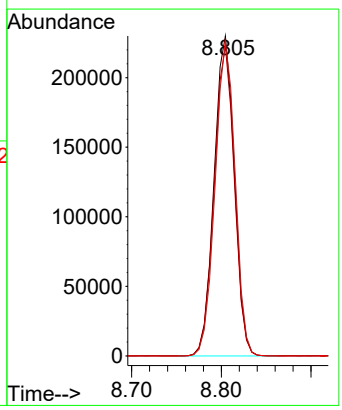


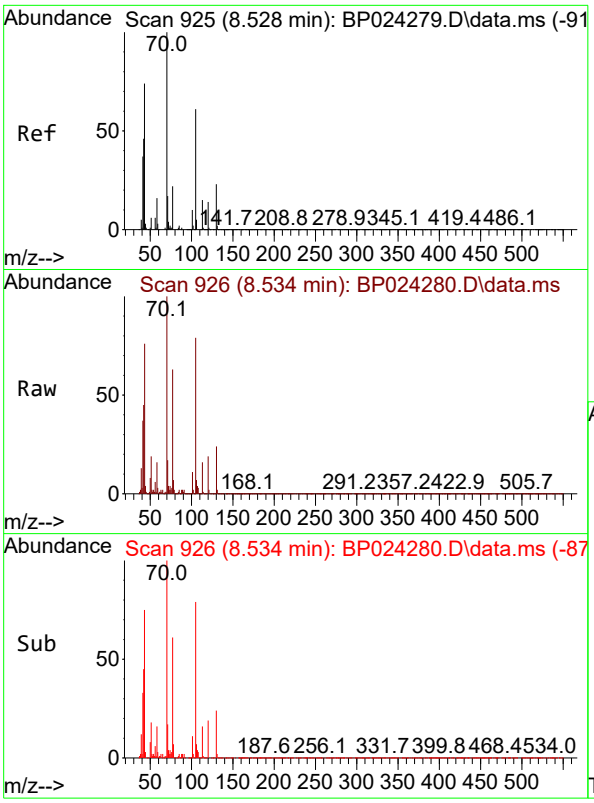


#18
Hexachloroethane
Concen: 48.472 ng
RT: 8.805 min Scan# 972
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:117 Resp: 360999

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.8	116.6
201	98.2	75.9	113.9



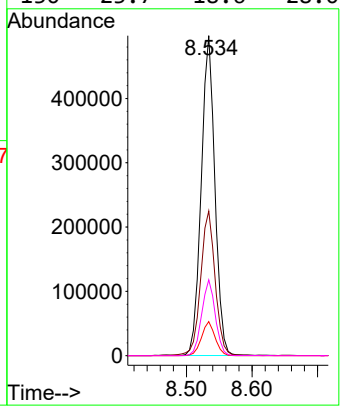


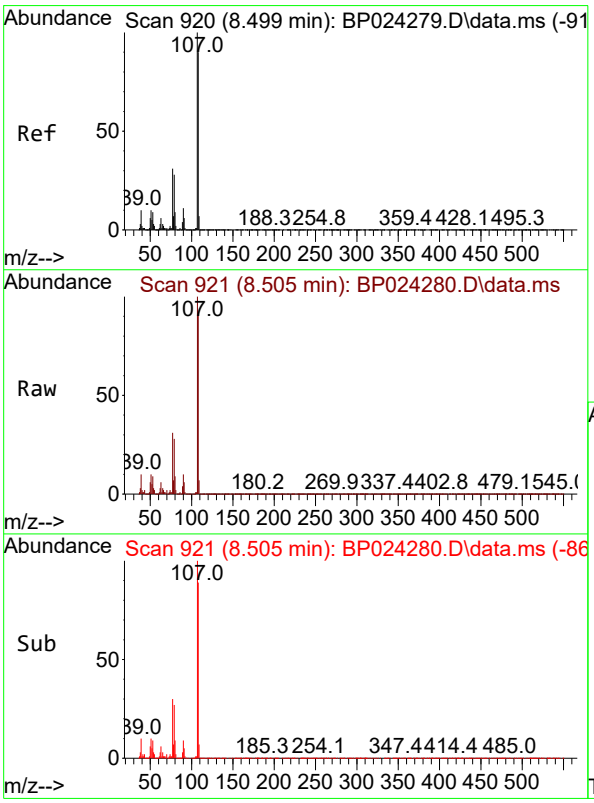
#19
n-Nitroso-di-n-propylamine
Concen: 50.562 ng
RT: 8.534 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 722064

Ion	Ratio	Lower	Upper
70	100		
42	45.2	37.3	55.9
101	10.6	8.2	12.4
130	23.7	18.6	28.0

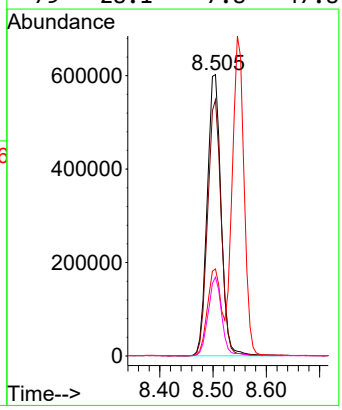


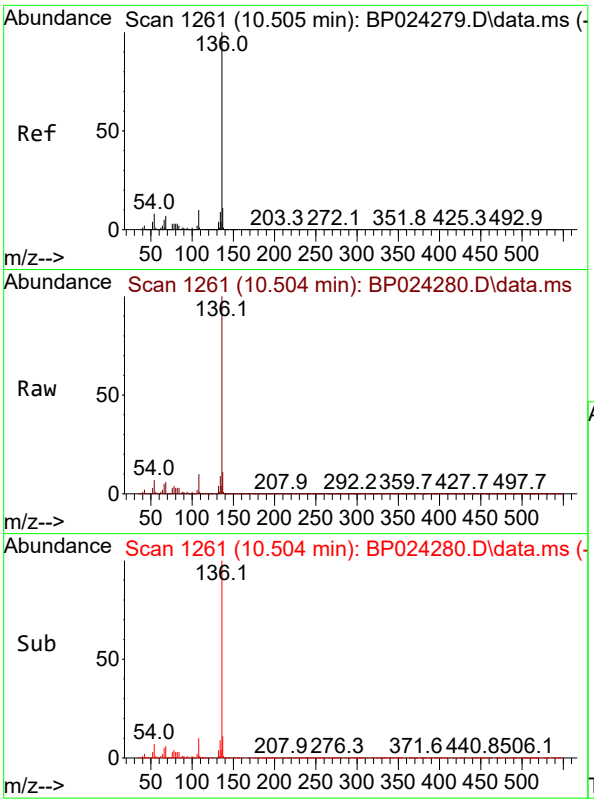


#20
3+4-Methylphenols
Concen: 52.718 ng
RT: 8.505 min Scan# 921
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:107 Resp: 1086273

Ion	Ratio	Lower	Upper
107	100		
108	91.1	69.8	109.8
77	31.0	11.5	51.5
79	28.1	7.8	47.8



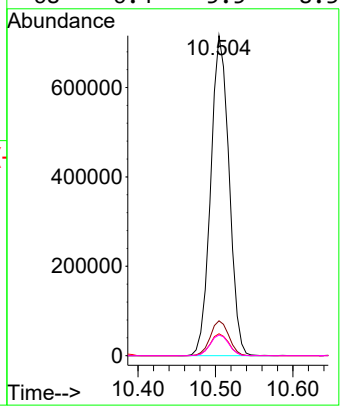


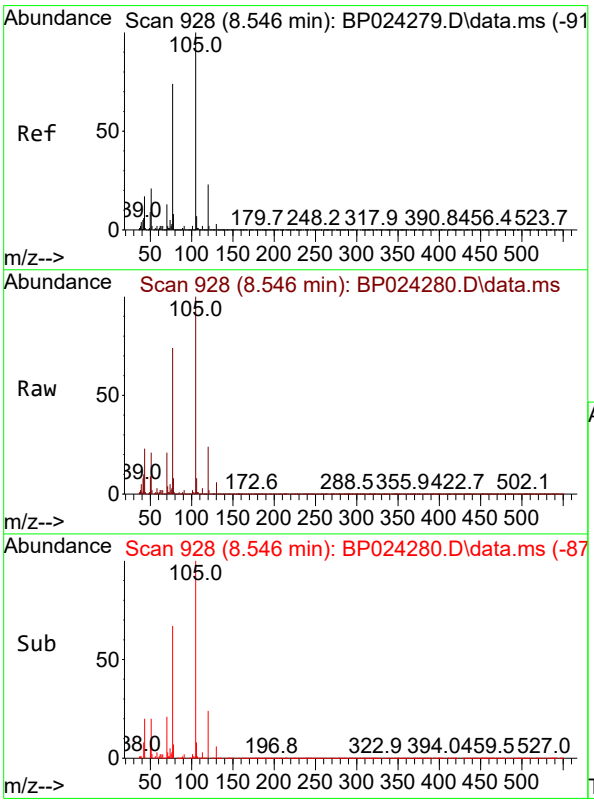
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.504 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 1176925

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	6.9	6.0	9.0
68	6.4	5.5	8.3

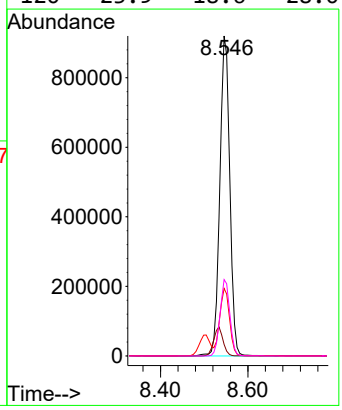


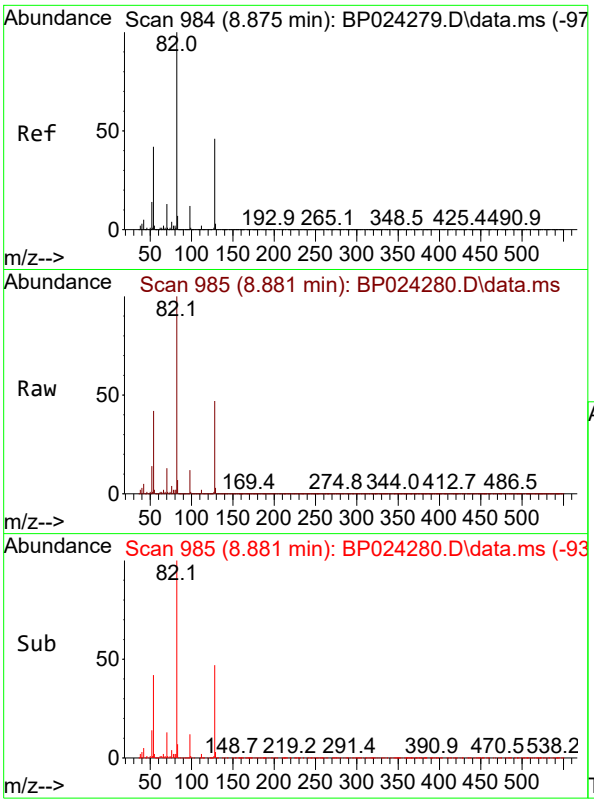


#22
Acetophenone
Concen: 49.289 ng
RT: 8.546 min Scan# 928
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:105 Resp: 1441728

Ion	Ratio	Lower	Upper
105	100		
71	3.6	1.7	2.5#
51	21.1	16.9	25.3
120	23.9	18.6	28.0



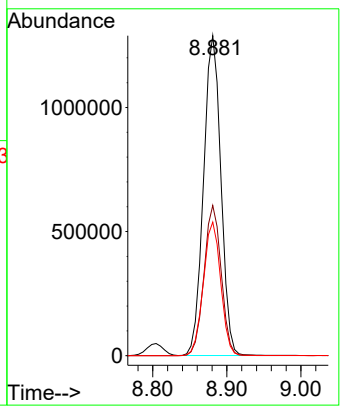


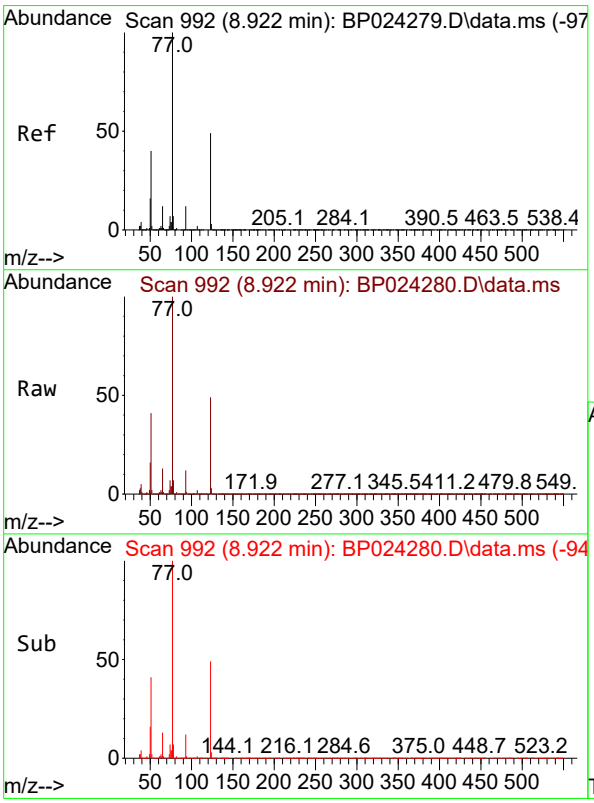
#23
Nitrobenzene-d5
Concen: 101.588 ng
RT: 8.881 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 2100100

Ion	Ratio	Lower	Upper
82	100		
128	46.9	36.5	54.7
54	41.8	33.4	50.2

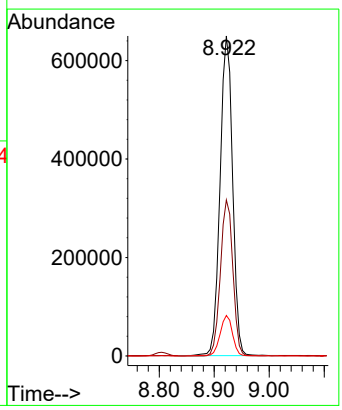


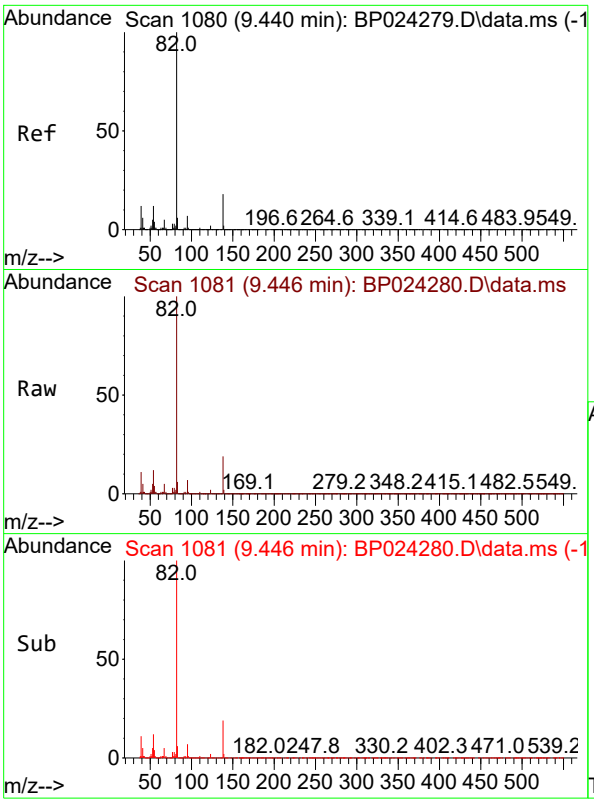


#24
Nitrobenzene
Concen: 50.074 ng
RT: 8.922 min Scan# 992
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 77 Resp: 1025983

Ion	Ratio	Lower	Upper
77	100		
123	48.7	39.2	58.8
65	12.7	9.8	14.6



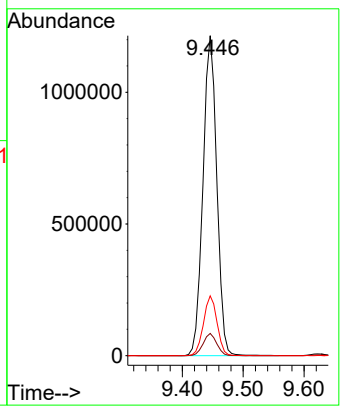


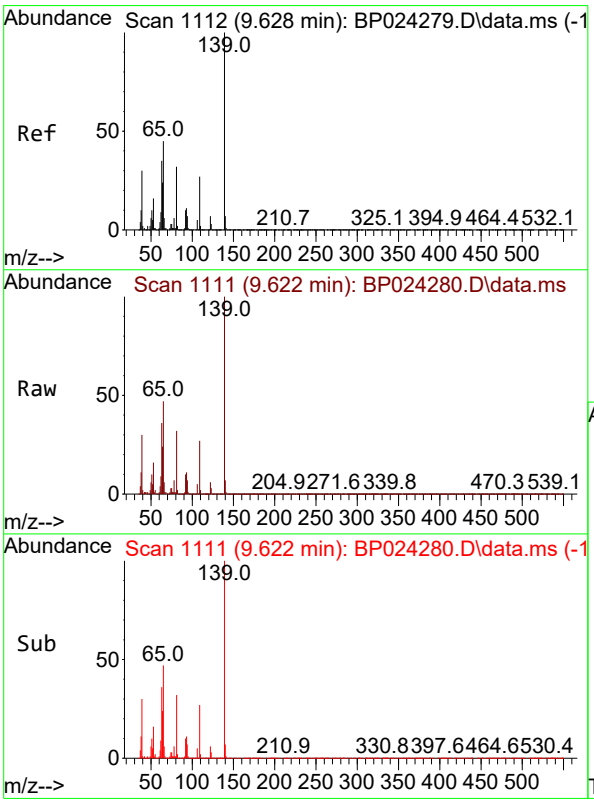
#25
Isophorone
Concen: 51.264 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1913172

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.4	8.2
138	18.7	14.4	21.6

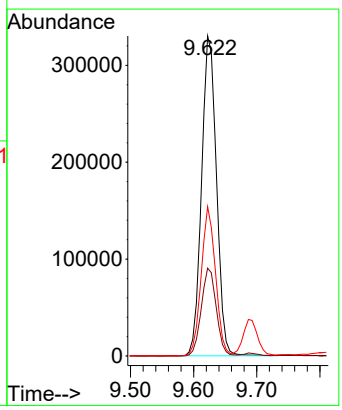


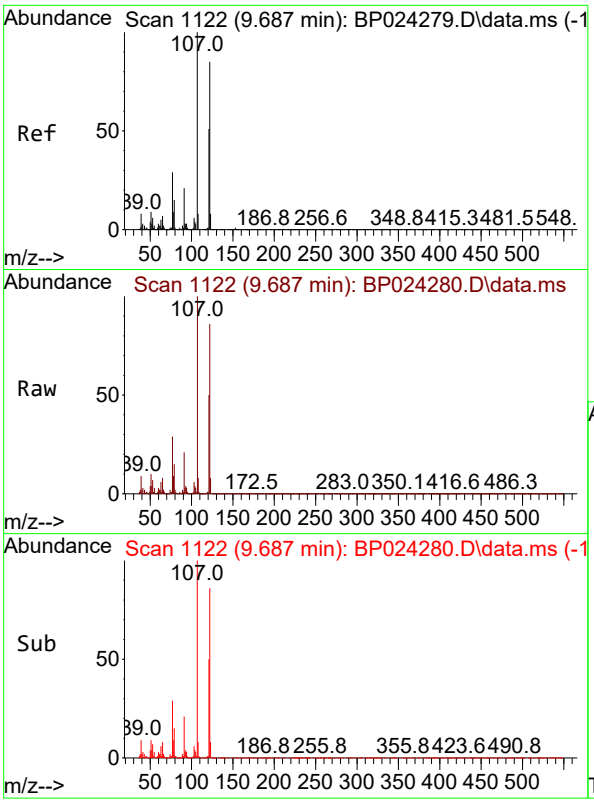


#26
2-Nitrophenol
Concen: 55.024 ng
RT: 9.622 min Scan# 1111
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:139 Resp: 541332

Ion	Ratio	Lower	Upper
139	100		
109	27.5	21.8	32.6
65	46.7	36.2	54.2



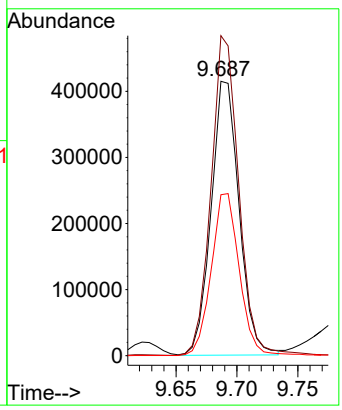


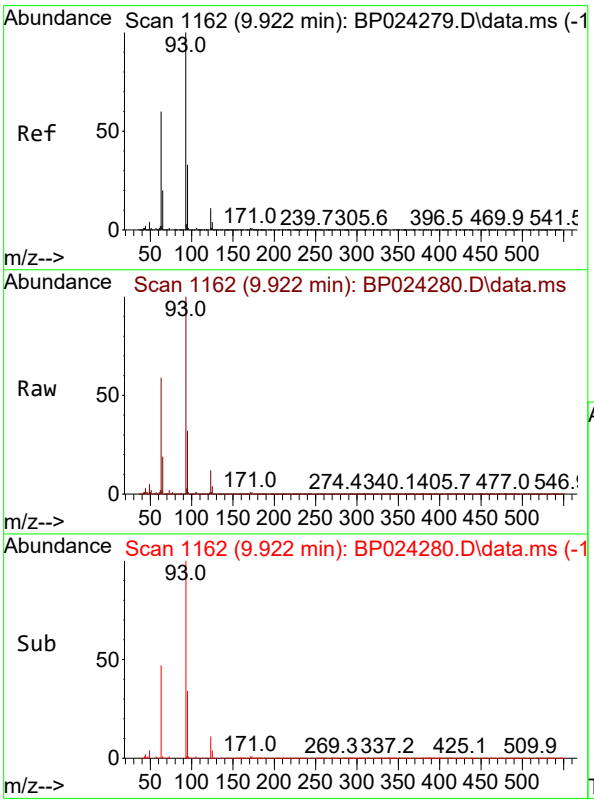
#27
2,4-Dimethylphenol
Concen: 53.106 ng
RT: 9.687 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 662183

Ion	Ratio	Lower	Upper
122	100		
107	116.6	93.7	140.5
121	58.7	48.2	72.2

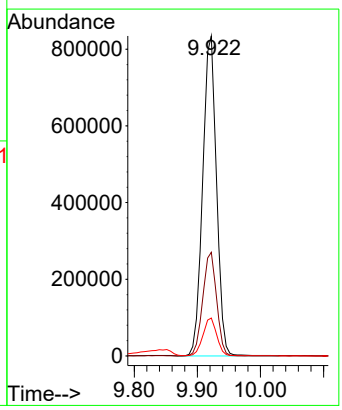


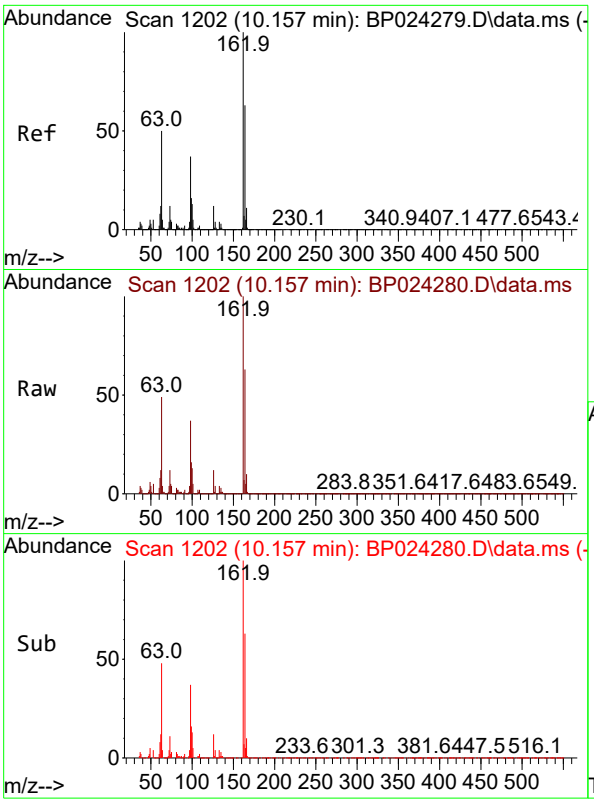


#28
bis(2-Chloroethoxy)methane
Concen: 49.803 ng
RT: 9.922 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 93 Resp: 1265001

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.0	39.0
123	11.8	9.1	13.7



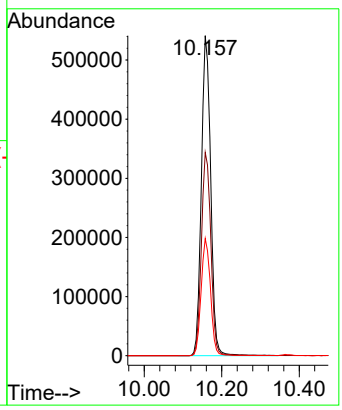


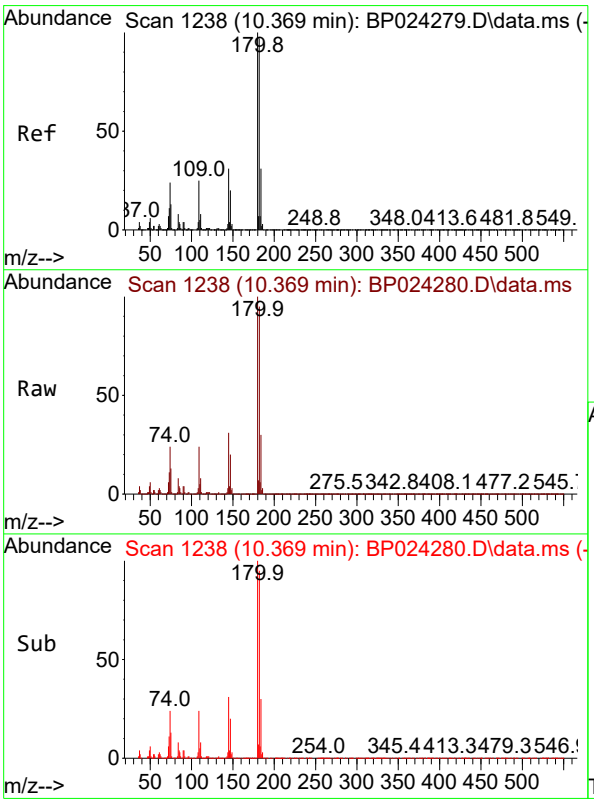
#29
2,4-Dichlorophenol
Concen: 53.225 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 904519

Ion	Ratio	Lower	Upper
162	100		
164	63.5	43.3	83.3
98	36.6	16.6	56.6

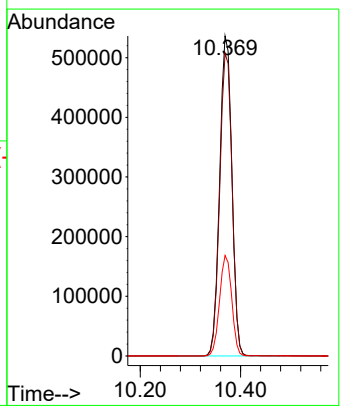


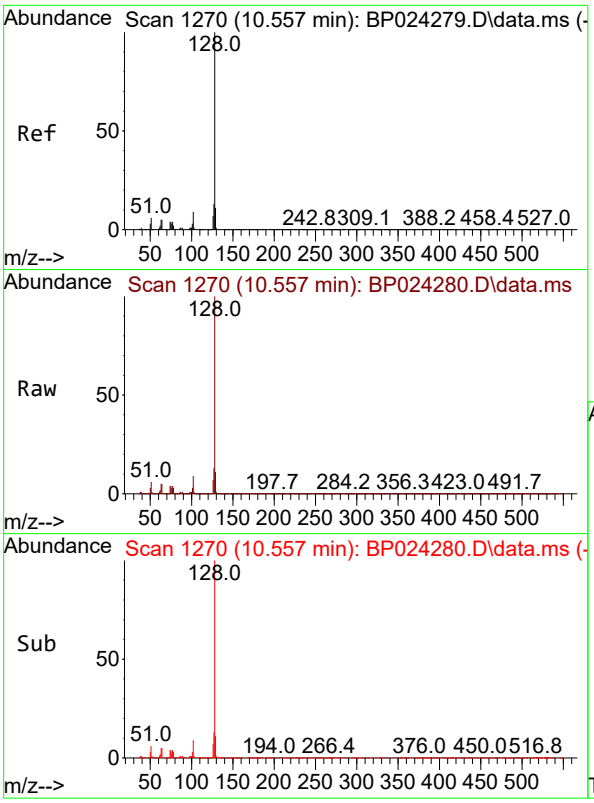


#30
1,2,4-Trichlorobenzene
Concen: 49.426 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:180 Resp: 908732

Ion	Ratio	Lower	Upper
180	100		
182	94.5	77.3	115.9
145	31.4	25.1	37.7



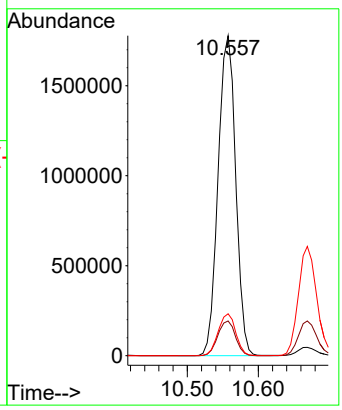


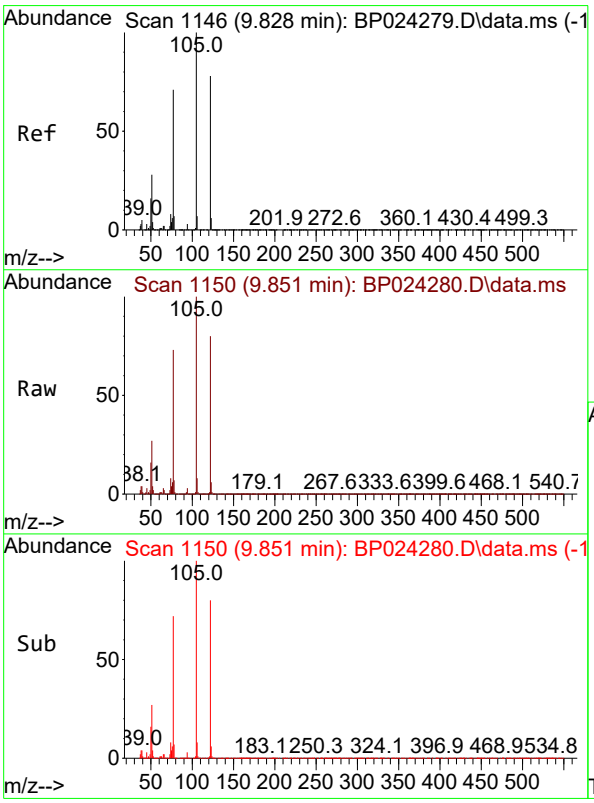
#31
Naphthalene
Concen: 48.957 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 3049887

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.1	10.3	15.5

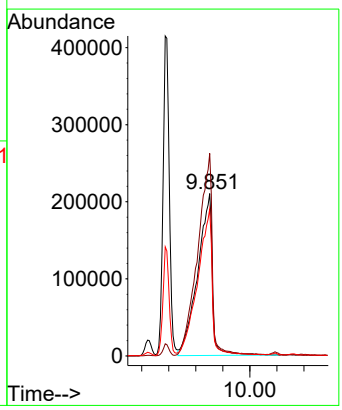


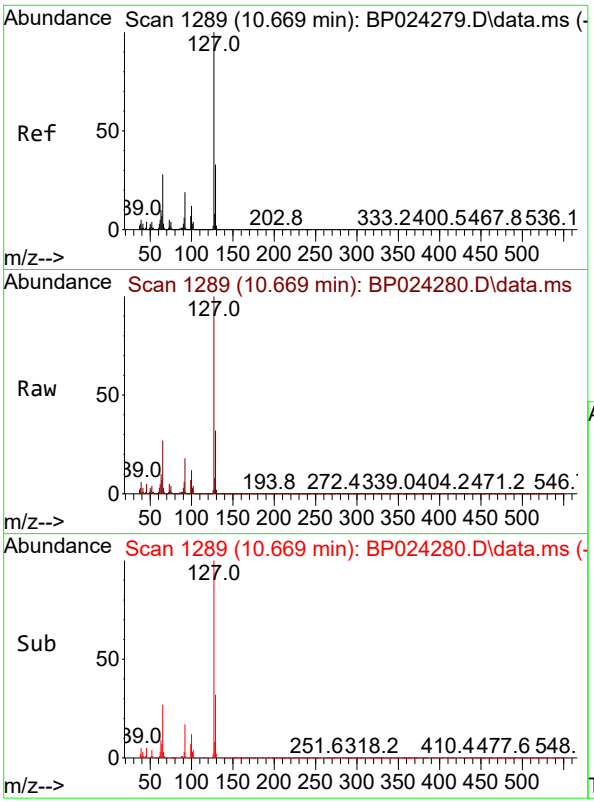


#32
Benzoic acid
Concen: 58.988 ng
RT: 9.851 min Scan# 1150
Delta R.T. 0.023 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:122 Resp: 794832

Ion	Ratio	Lower	Upper
122	100		
105	124.7	104.8	144.8
77	90.5	69.2	109.2



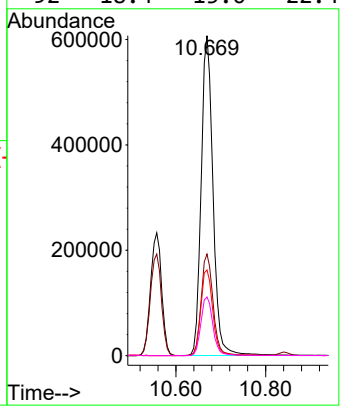


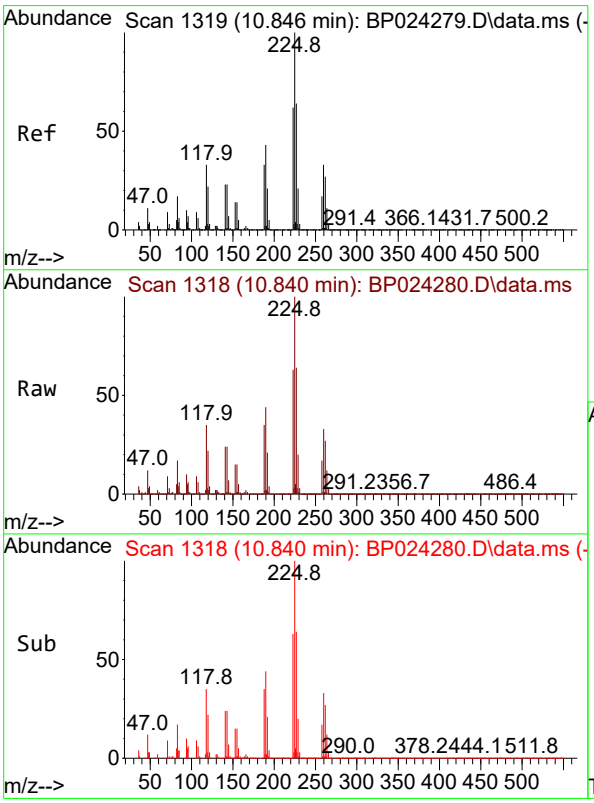
#33
4-Chloroaniline
Concen: 51.030 ng
RT: 10.669 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 1110772

Ion	Ratio	Lower	Upper
127	100		
129	31.7	26.1	39.1
65	26.8	22.1	33.1
92	18.4	15.0	22.4

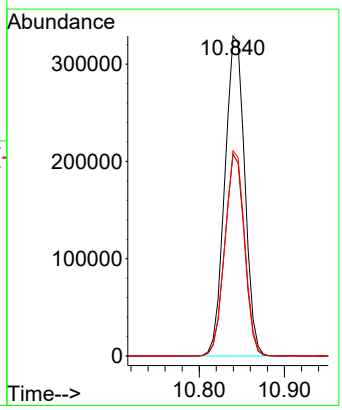


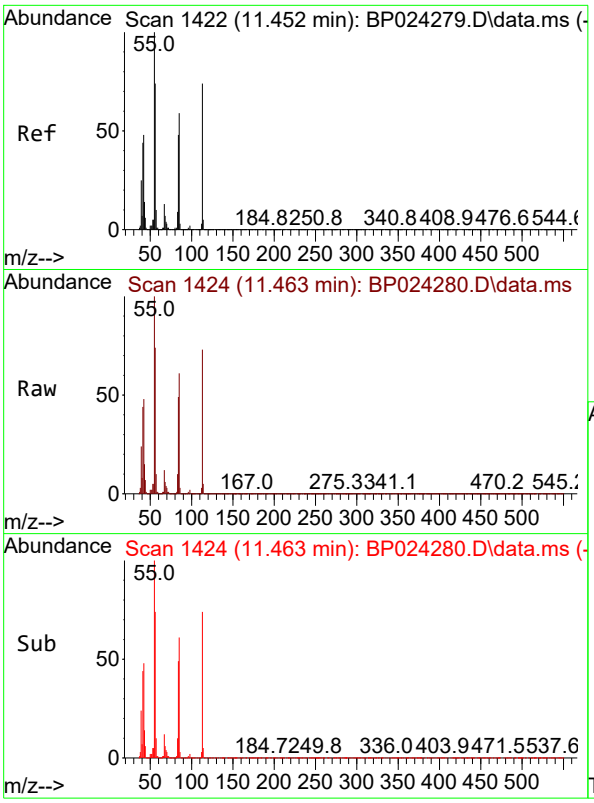


#34
Hexachlorobutadiene
Concen: 49.450 ng
RT: 10.840 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:225 Resp: 533336

Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.5	74.3
227	64.1	50.9	76.3



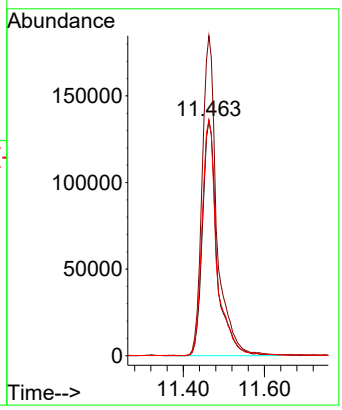


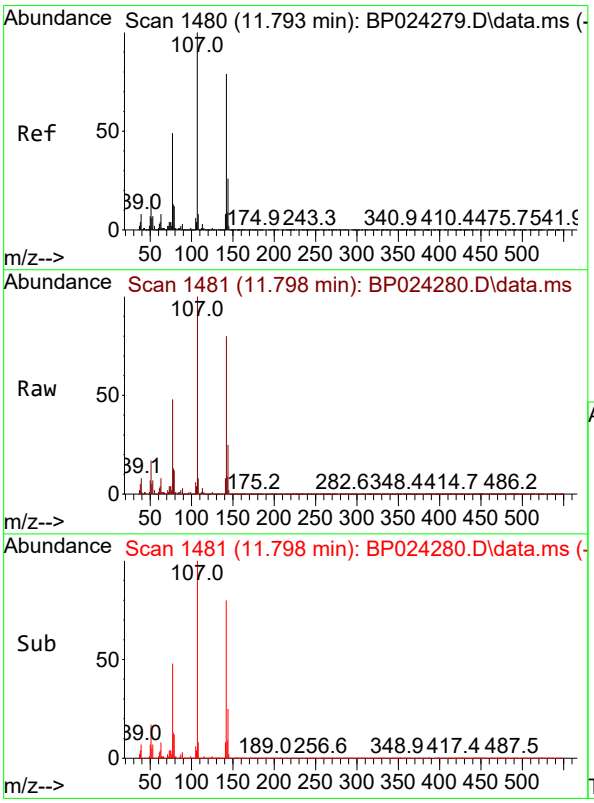
#35
Caprolactam
Concen: 54.466 ng
RT: 11.463 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 339834

Ion	Ratio	Lower	Upper
113	100		
55	136.1	115.9	155.9
56	100.2	81.1	121.1

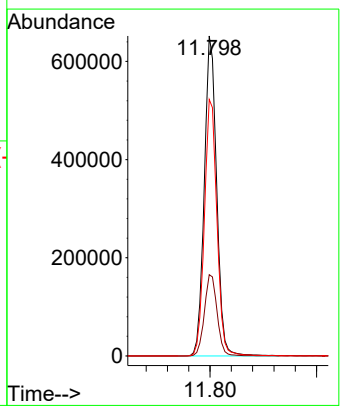


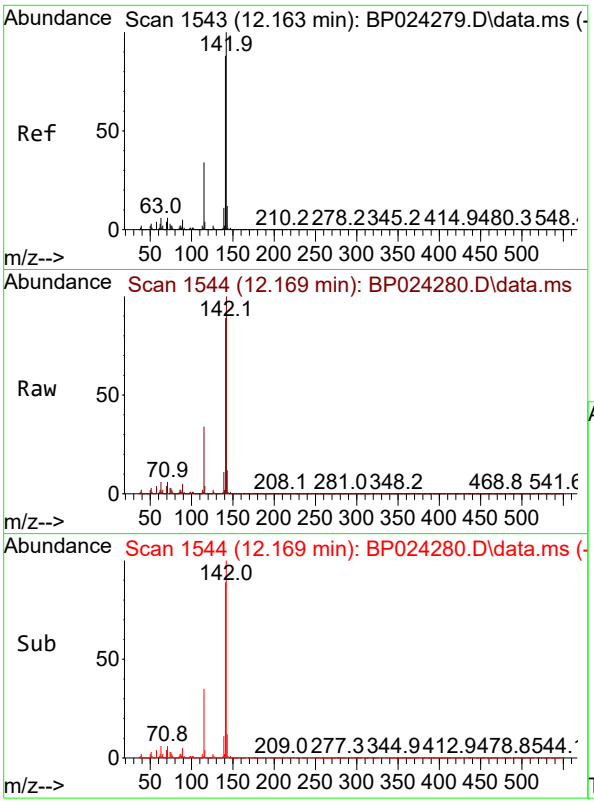


#36
4-Chloro-3-methylphenol
Concen: 52.860 ng
RT: 11.798 min Scan# 1481
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:107 Resp: 1046795

Ion	Ratio	Lower	Upper
107	100		
144	25.4	20.5	30.7
142	80.1	63.4	95.2



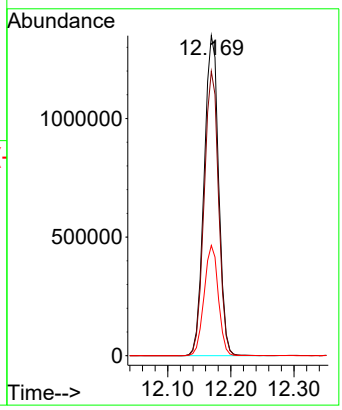


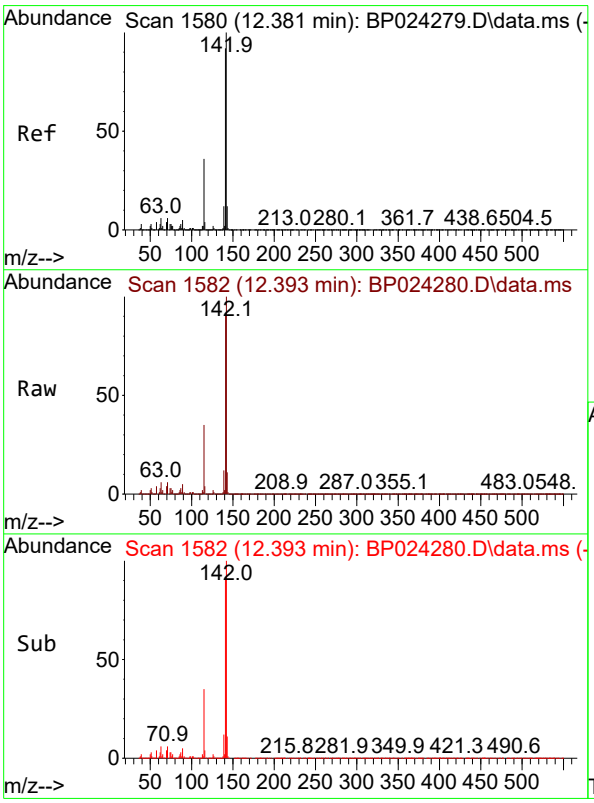
#37
2-Methylnaphthalene
Concen: 49.942 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 2156247

Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.3	105.5
115	34.5	26.9	40.3

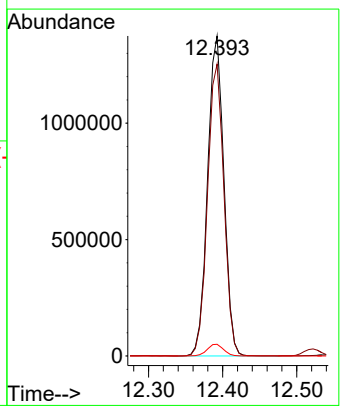


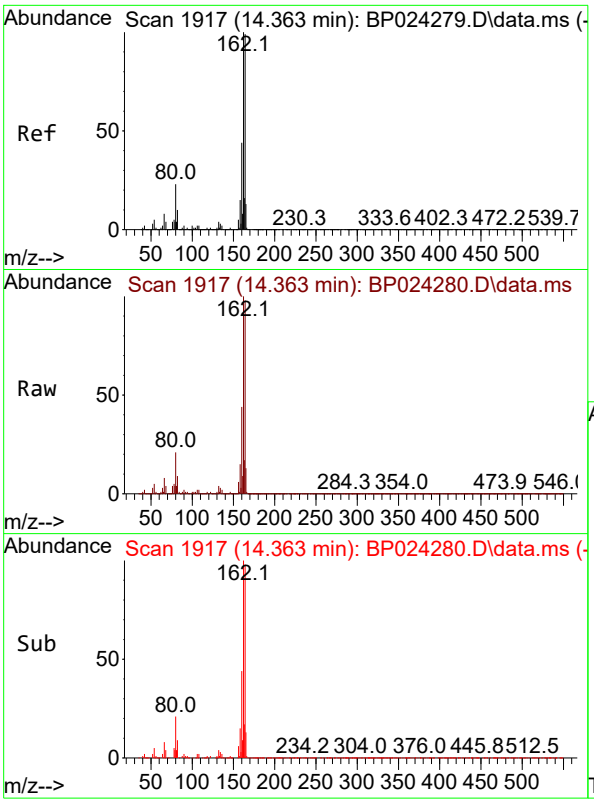


#38
1-Methylnaphthalene
Concen: 49.538 ng
RT: 12.393 min Scan# 1582
Delta R.T. 0.012 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:142 Resp: 2095184

Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.6	110.4
116	3.7	3.0	4.6



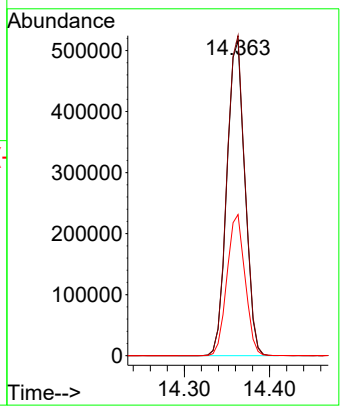


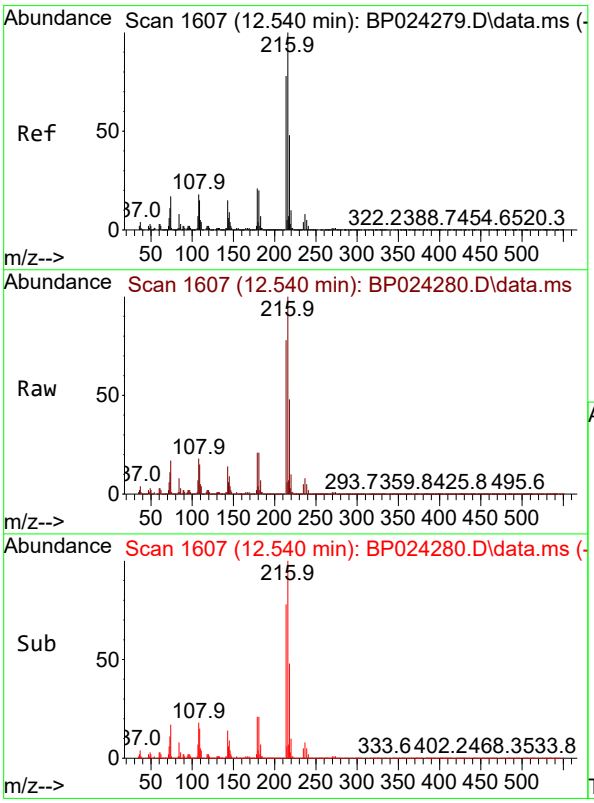
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 760235

Ion	Ratio	Lower	Upper
164	100		
162	101.6	80.6	120.8
160	44.8	35.3	52.9

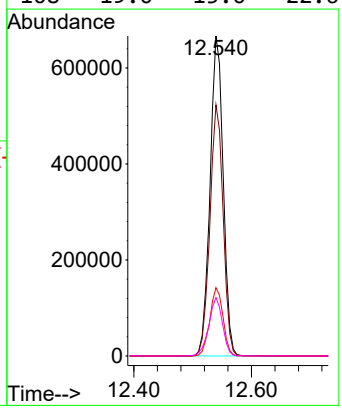


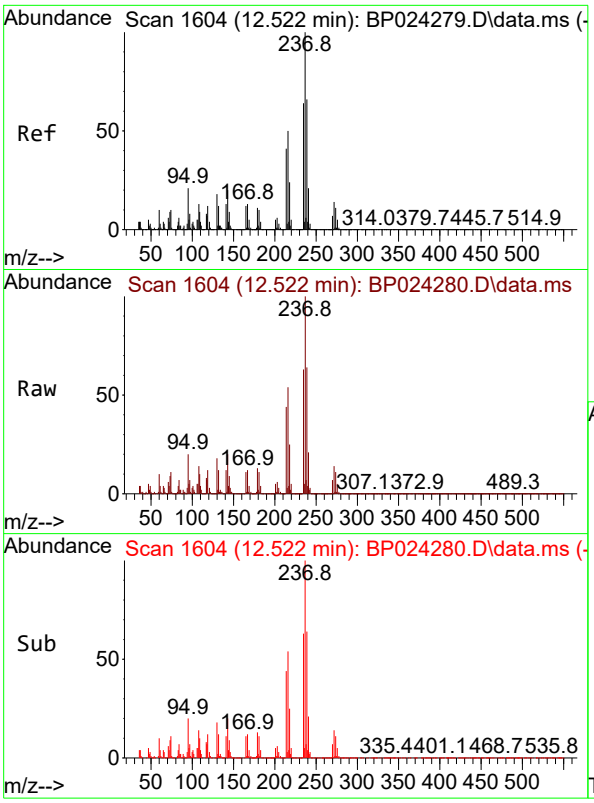


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.522 ng
RT: 12.540 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:216 Resp: 1034638

Ion	Ratio	Lower	Upper
216	100		
214	78.9	62.6	93.8
179	21.4	17.2	25.8
108	19.0	15.0	22.6



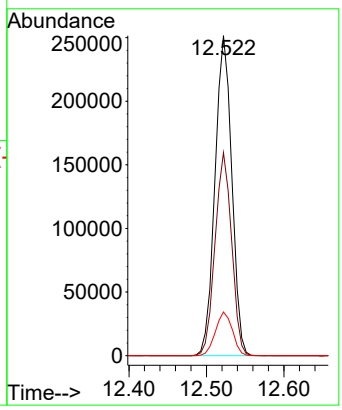


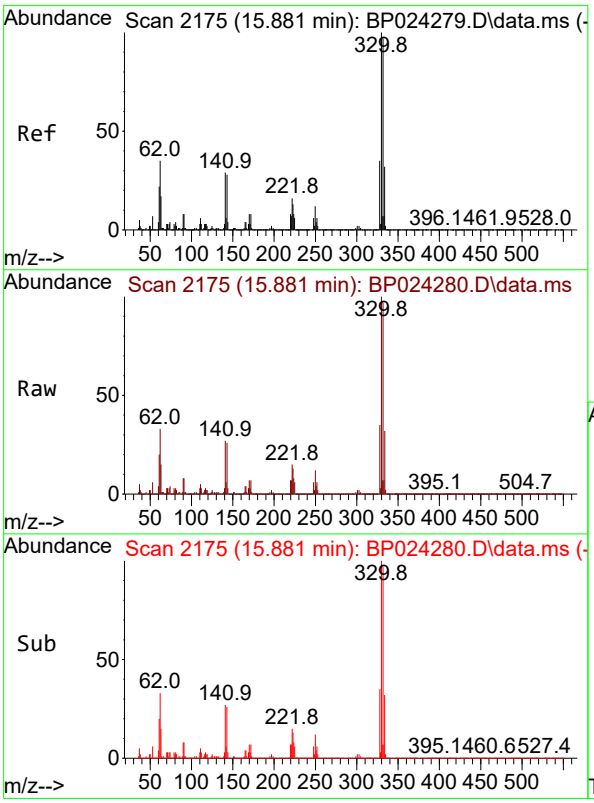
#41
Hexachlorocyclopentadiene
Concen: 51.614 ng
RT: 12.522 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 378578

Ion	Ratio	Lower	Upper
237	100		
235	63.4	43.9	83.9
272	13.7	0.0	33.6

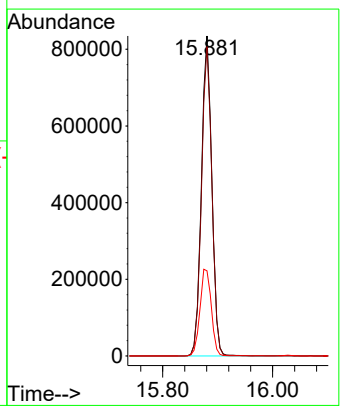


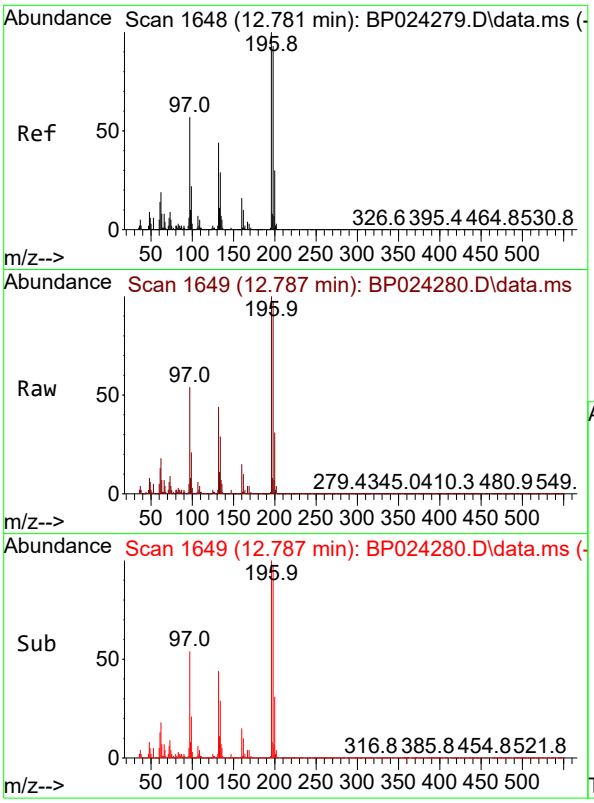


#42
2,4,6-Tribromophenol
Concen: 105.521 ng
RT: 15.881 min Scan# 2175
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:330 Resp: 1098486

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.1	115.7
141	29.5	24.7	37.1



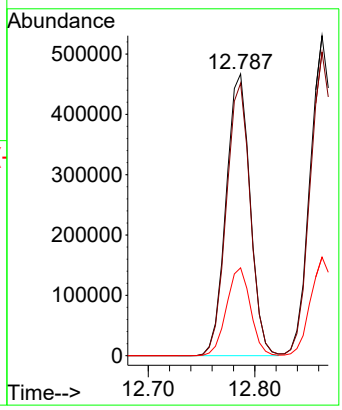


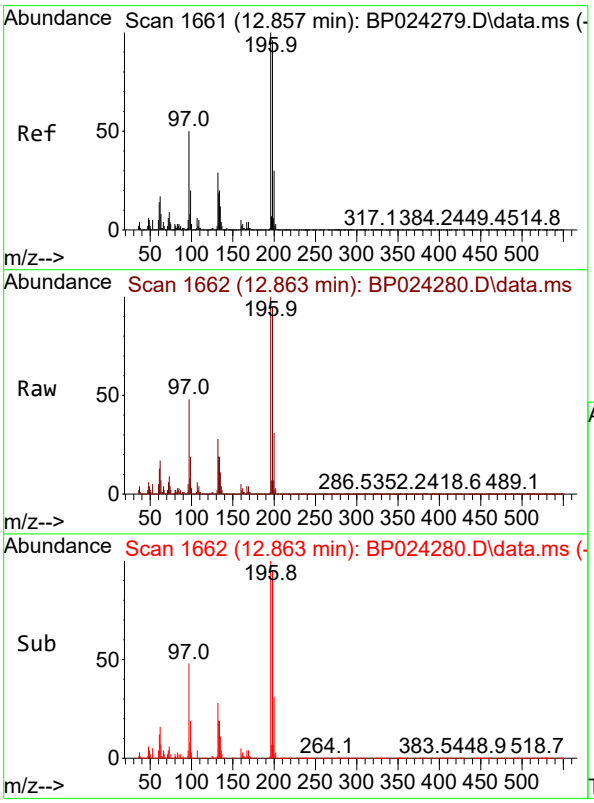
#43
2,4,6-Trichlorophenol
Concen: 53.315 ng
RT: 12.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 732902

Ion	Ratio	Lower	Upper
196	100		
198	96.7	74.3	111.5
200	31.2	24.0	36.0

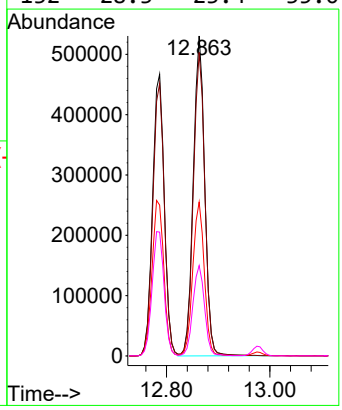


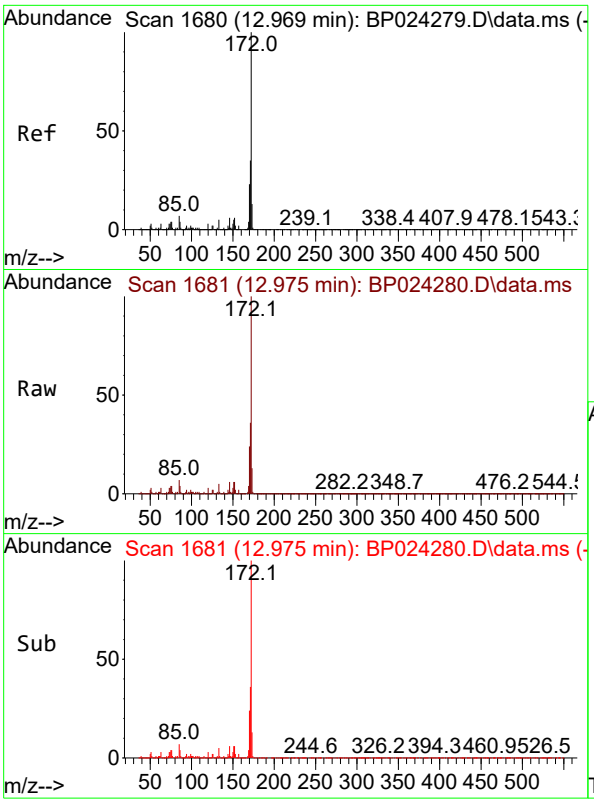


#44
2,4,5-Trichlorophenol
Concen: 53.491 ng
RT: 12.863 min Scan# 1662
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:196 Resp: 814885

Ion	Ratio	Lower	Upper
196	100		
198	94.8	77.3	115.9
97	48.1	40.4	60.6
132	28.3	23.4	35.0



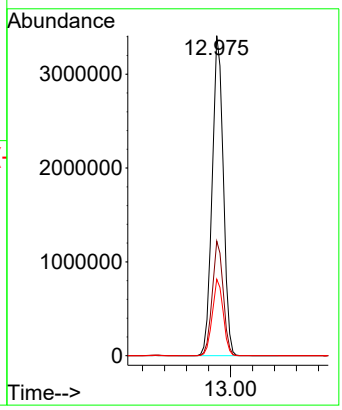


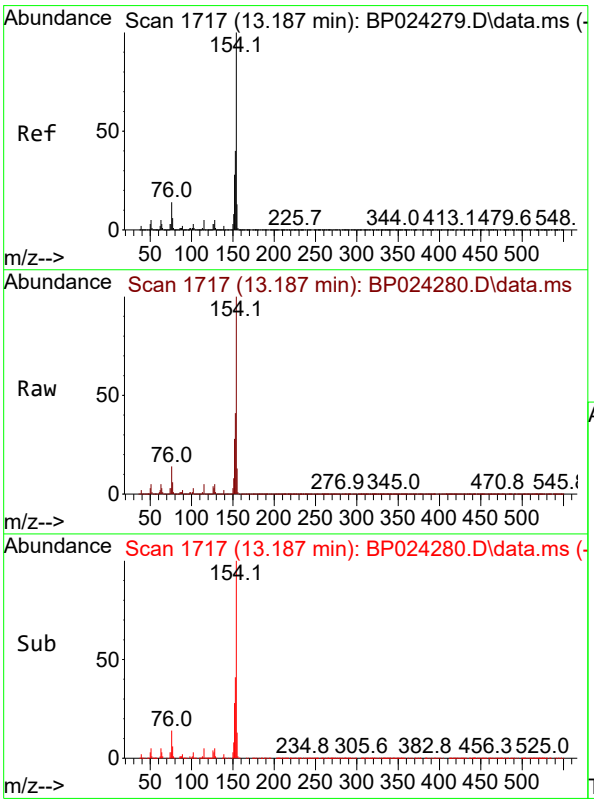
#45
2-Fluorobiphenyl
Concen: 95.877 ng
RT: 12.975 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 4800845

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.2	42.2
170	23.9	18.6	27.8

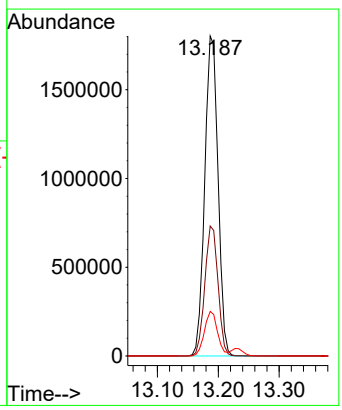


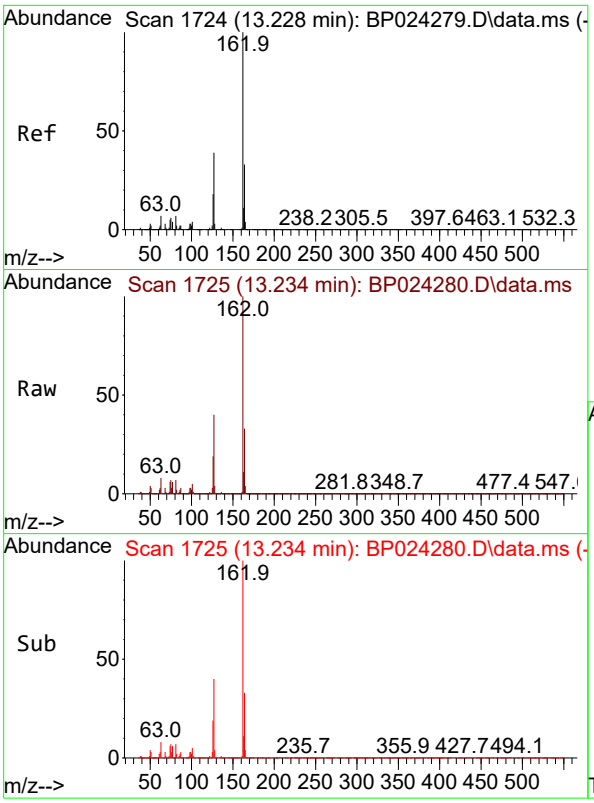


#46
1,1'-Biphenyl
Concen: 48.551 ng
RT: 13.187 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:154 Resp: 2725840

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.3	60.3
76	13.9	0.0	33.5



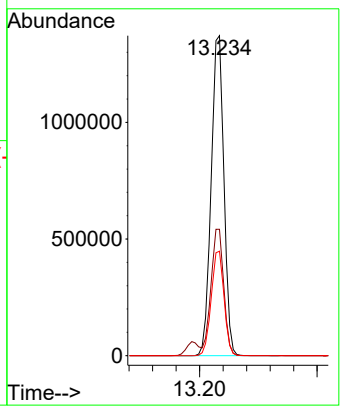


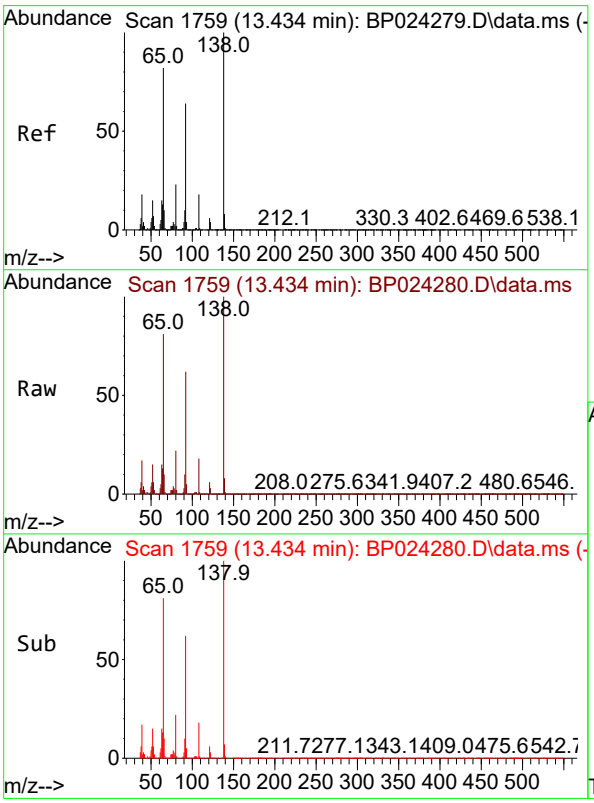
#47
2-Chloronaphthalene
Concen: 49.220 ng
RT: 13.234 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 2062098

Ion	Ratio	Lower	Upper
162	100		
127	39.5	31.9	47.9
164	32.7	26.2	39.4

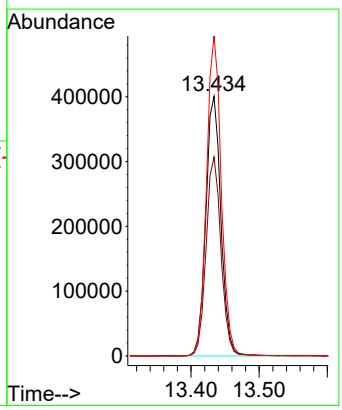


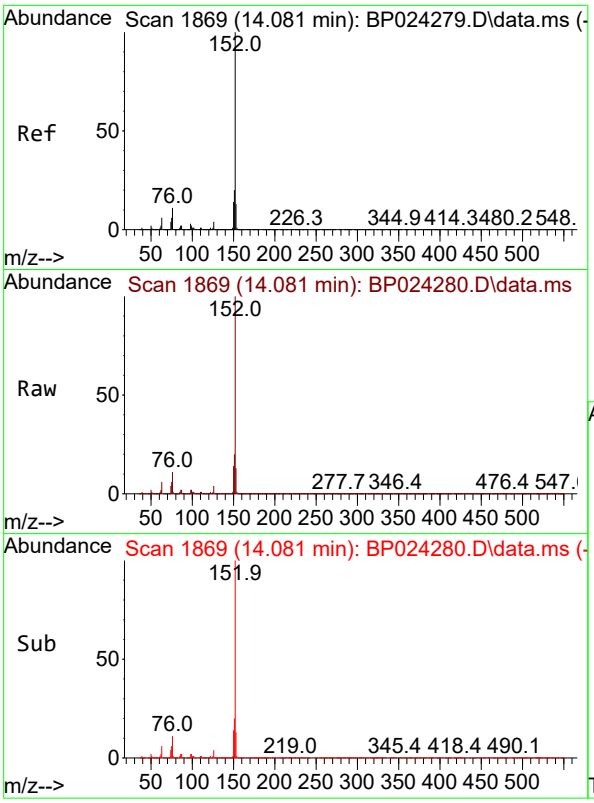


#48
2-Nitroaniline
Concen: 53.282 ng
RT: 13.434 min Scan# 1759
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 65 Resp: 616599

Ion	Ratio	Lower	Upper
65	100		
92	76.6	62.3	93.5
138	123.3	97.2	145.8



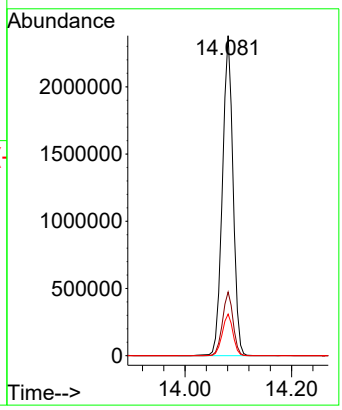


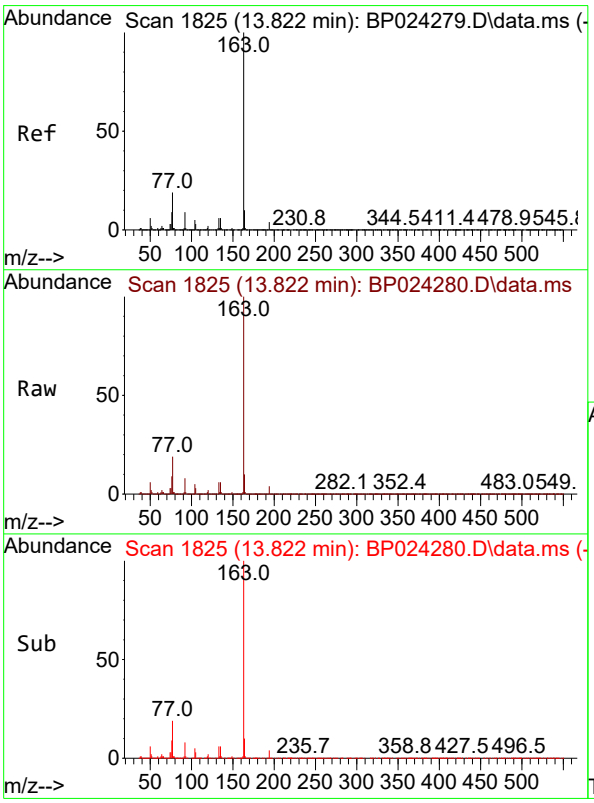
#49
Acenaphthylene
Concen: 49.877 ng
RT: 14.081 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 3279666

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.0	10.6	15.8

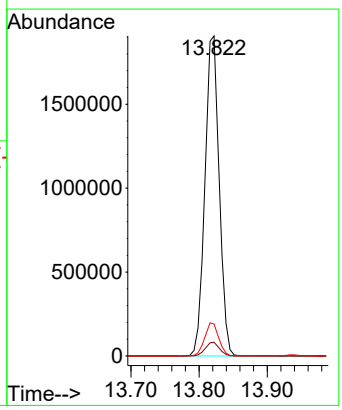


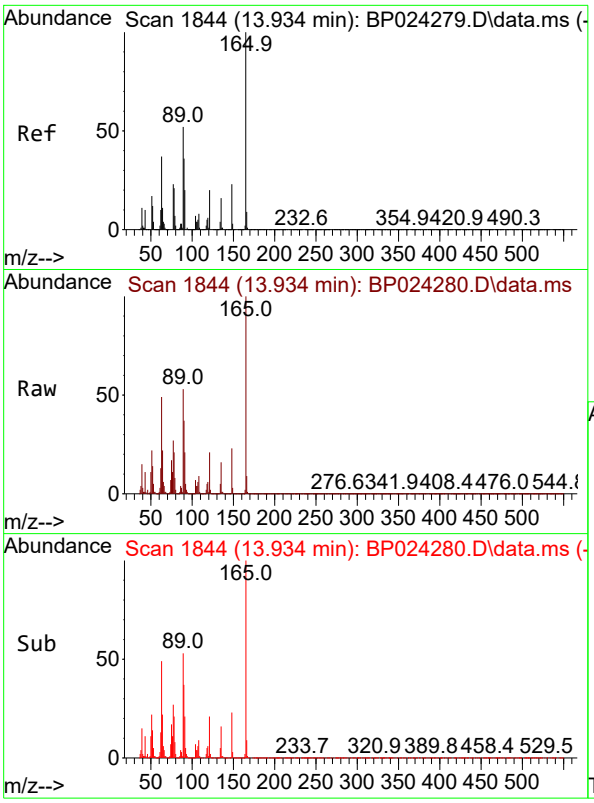


#50
Dimethylphthalate
Concen: 50.046 ng
RT: 13.822 min Scan# 1825
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:163 Resp: 2775759

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.0	8.0	12.0



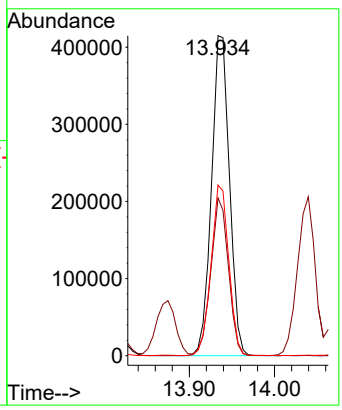


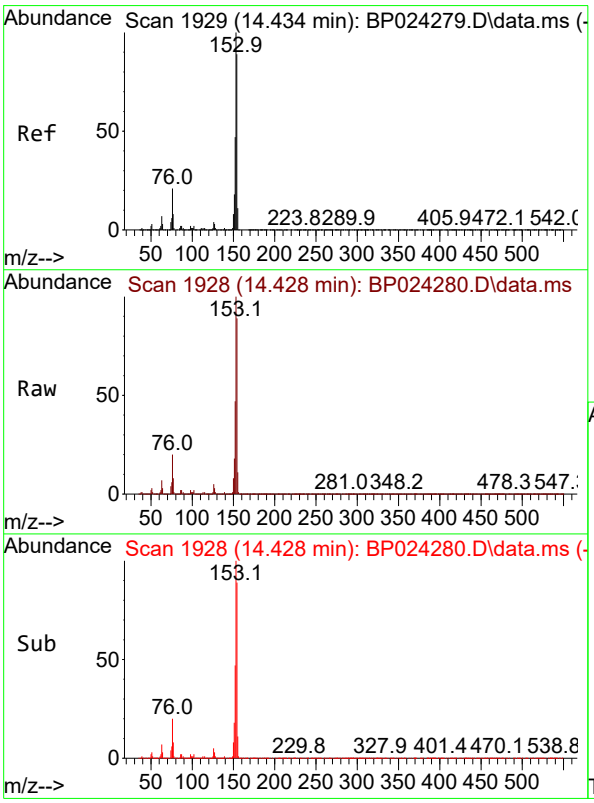
#51
2,6-Dinitrotoluene
Concen: 51.903 ng
RT: 13.934 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 606525

Ion	Ratio	Lower	Upper
165	100		
63	49.3	38.0	57.0
89	53.4	41.7	62.5

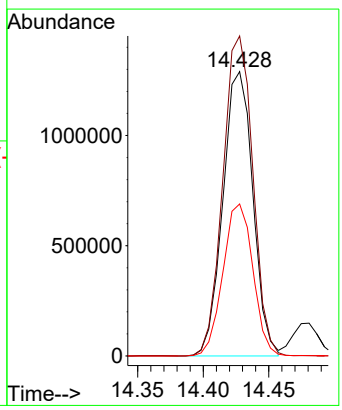


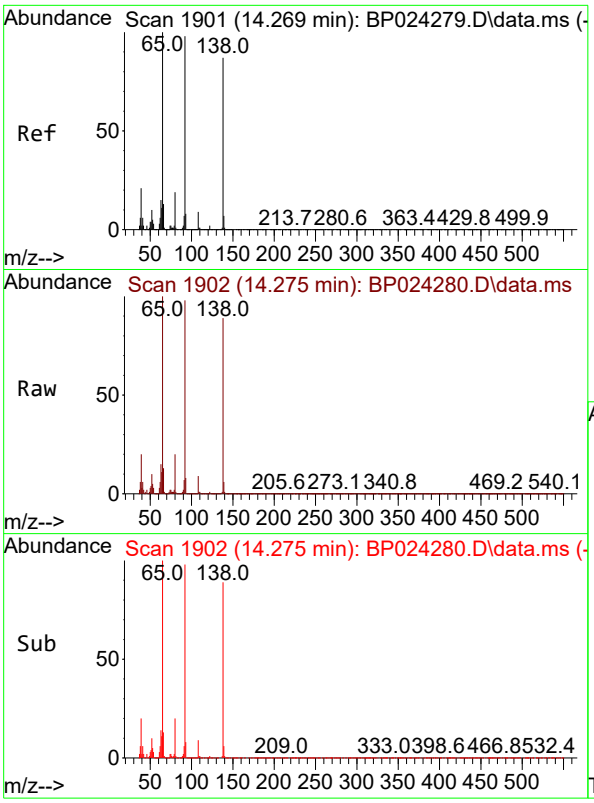


#52
Acenaphthene
Concen: 49.128 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:154 Resp: 2054333

Ion	Ratio	Lower	Upper
154	100		
153	112.5	89.8	134.6
152	53.4	42.6	63.8



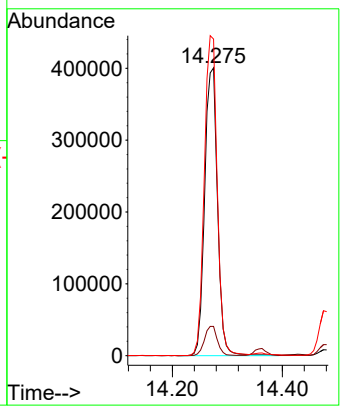


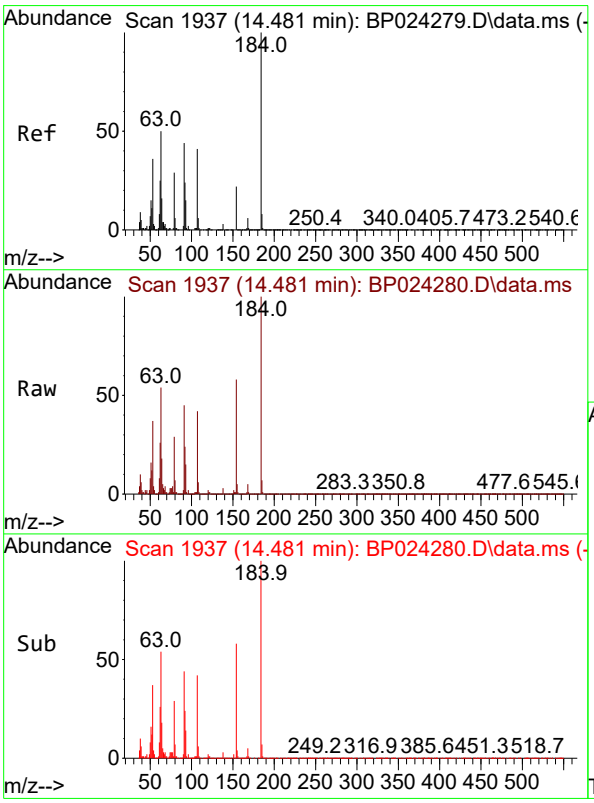
#53
3-Nitroaniline
Concen: 53.536 ng
RT: 14.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 649071

Ion	Ratio	Lower	Upper
138	100		
108	10.2	8.3	12.5
92	110.0	89.8	134.8

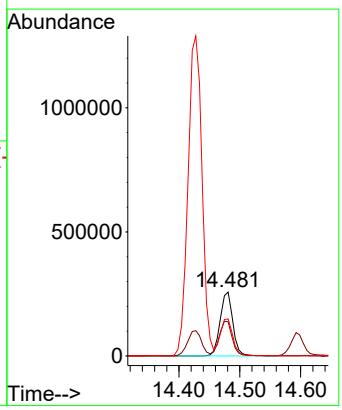


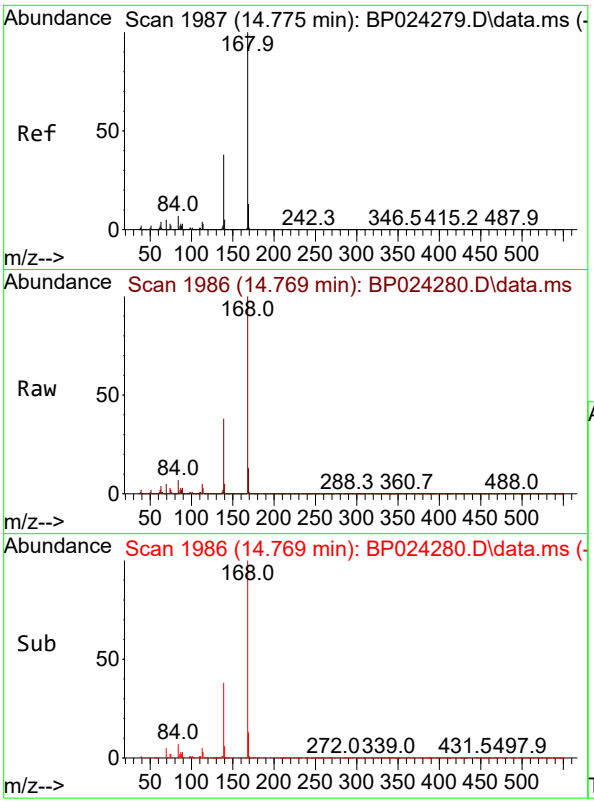


#54
2,4-Dinitrophenol
Concen: 59.640 ng
RT: 14.481 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:184 Resp: 373165

Ion	Ratio	Lower	Upper
184	100		
63	53.7	42.6	64.0
154	57.8	47.2	70.8



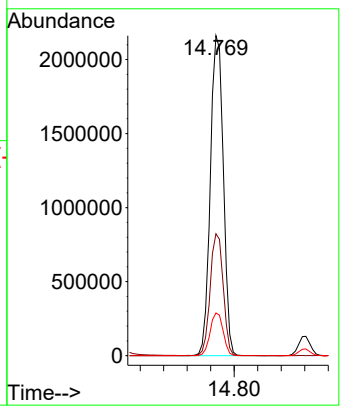


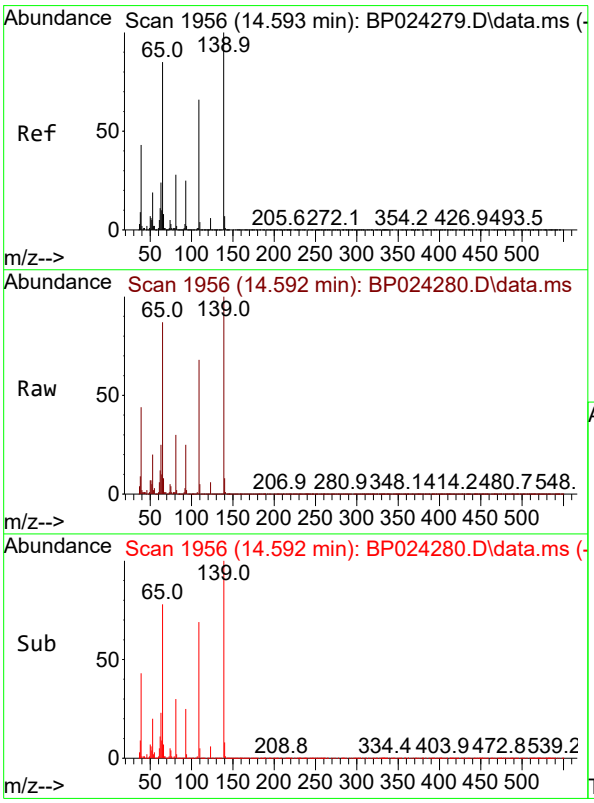
#55
Dibenzofuran
Concen: 48.392 ng
RT: 14.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 3318798

Ion	Ratio	Lower	Upper
168	100		
139	38.1	30.3	45.5
169	13.4	10.6	16.0

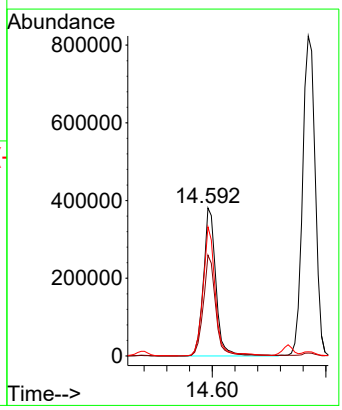


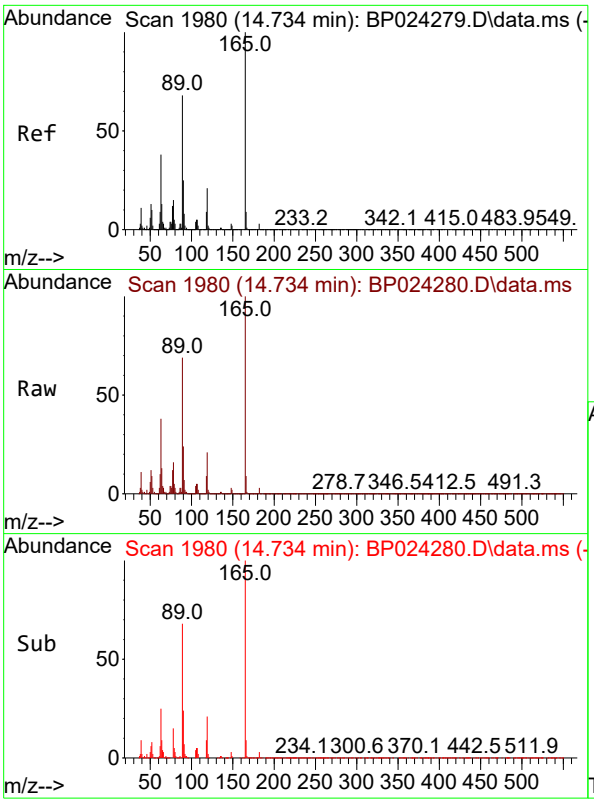


#56
4-Nitrophenol
Concen: 55.750 ng
RT: 14.592 min Scan# 1956
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:139 Resp: 581023

Ion	Ratio	Lower	Upper
139	100		
109	68.1	46.1	86.1
65	87.3	65.0	105.0



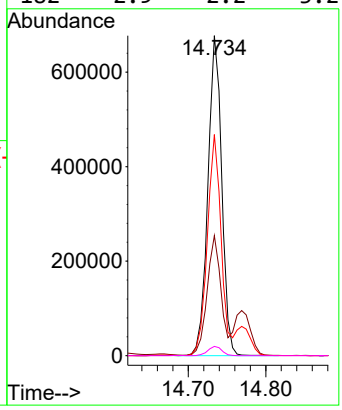


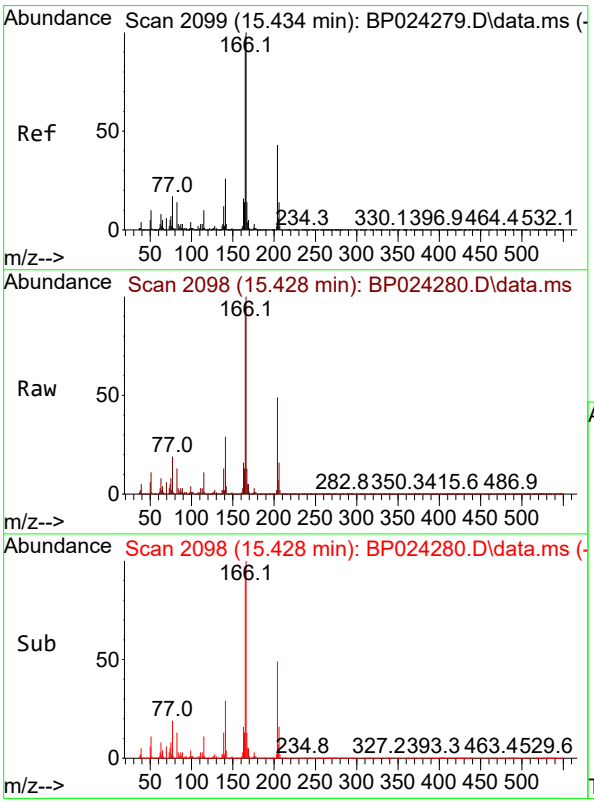
#57
2,4-Dinitrotoluene
Concen: 53.160 ng
RT: 14.734 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 839701

Ion	Ratio	Lower	Upper
165	100		
63	37.5	30.4	45.6
89	69.1	54.6	82.0
182	2.9	2.2	3.2

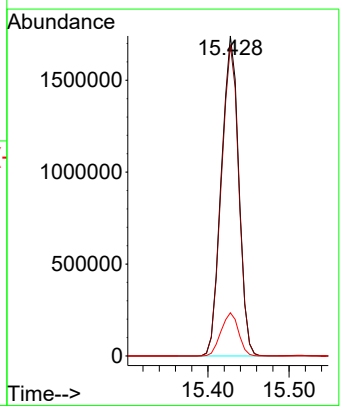


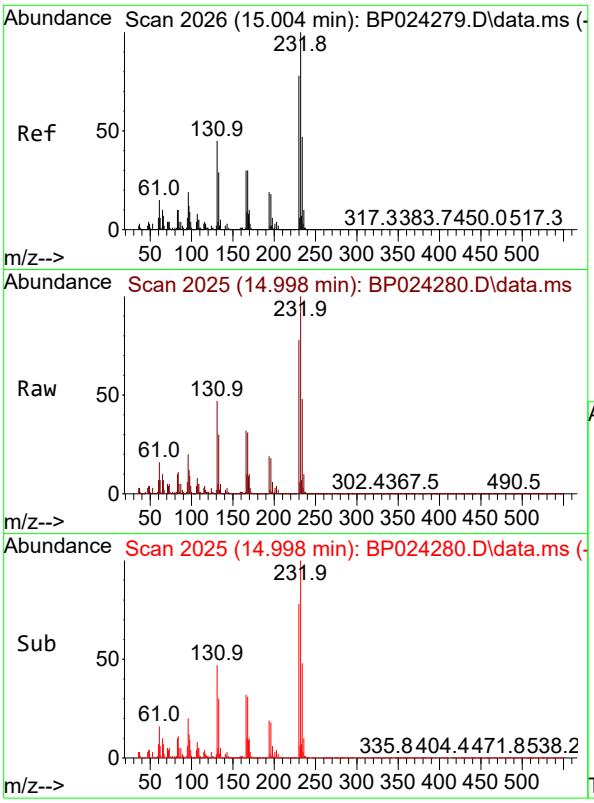


#58
Fluorene
Concen: 49.085 ng
RT: 15.428 min Scan# 2098
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:166 Resp: 2599105

Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.1	117.1
167	13.5	10.9	16.3



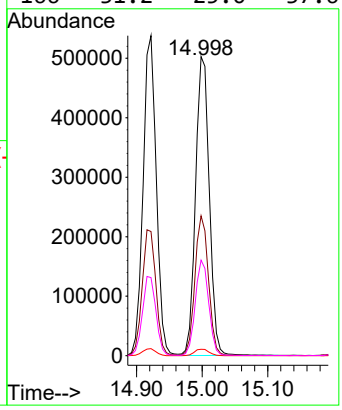


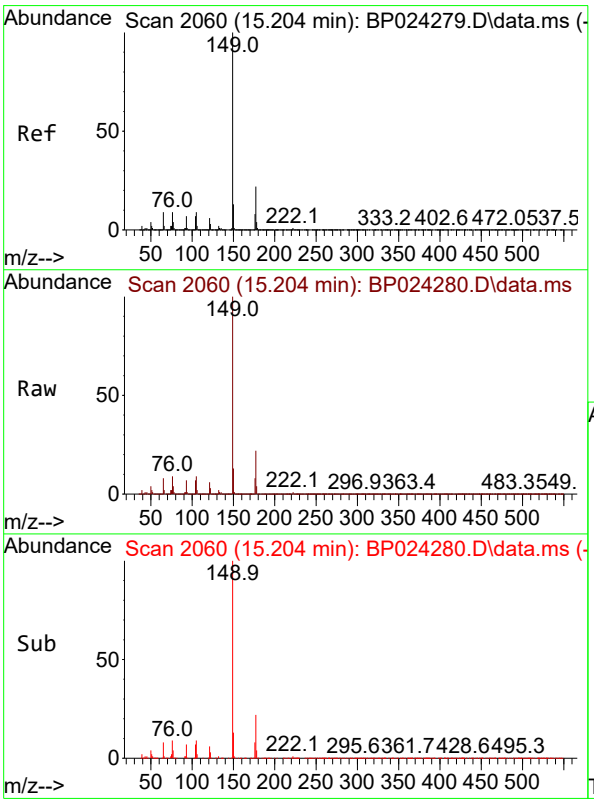
#59
2,3,4,6-Tetrachlorophenol
Concen: 52.128 ng
RT: 14.998 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 734741

Ion	Ratio	Lower	Upper
232	100		
131	46.0	36.8	55.2
130	2.3	1.9	2.9
166	31.2	25.0	37.6

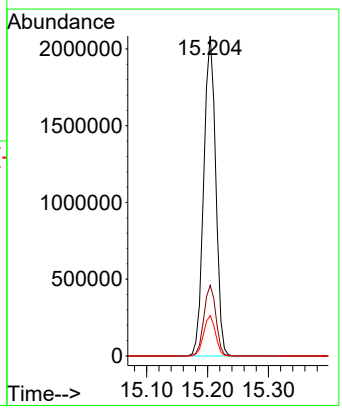


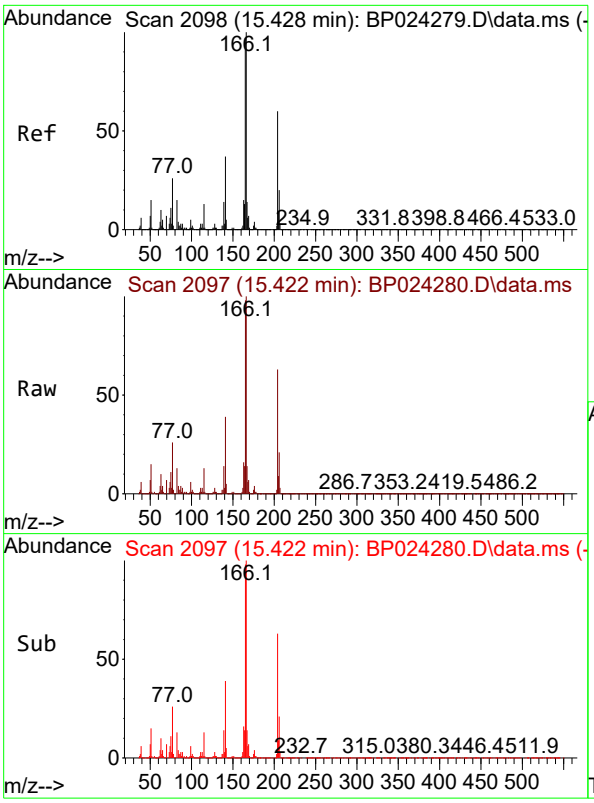


#60
Diethylphthalate
Concen: 49.914 ng
RT: 15.204 min Scan# 2060
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:149 Resp: 2849294

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.4	26.2
150	12.6	10.1	15.1



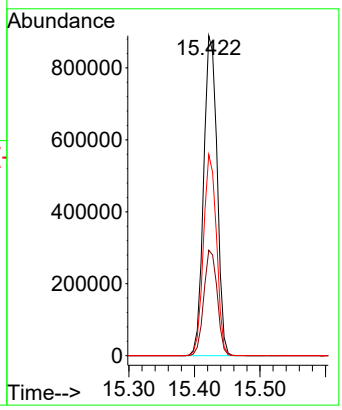


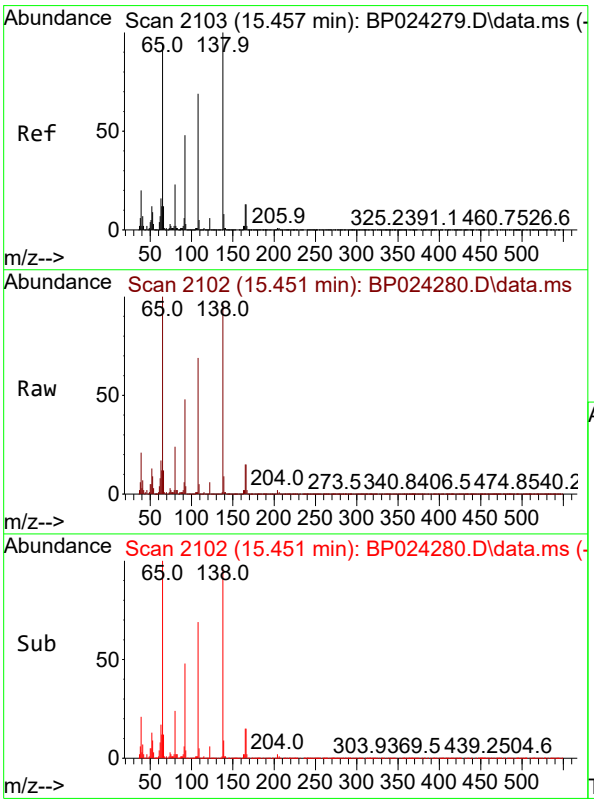
#61
4-Chlorophenyl-phenylether
Concen: 49.287 ng
RT: 15.422 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 1267291

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.5	39.7
141	62.8	49.4	74.0

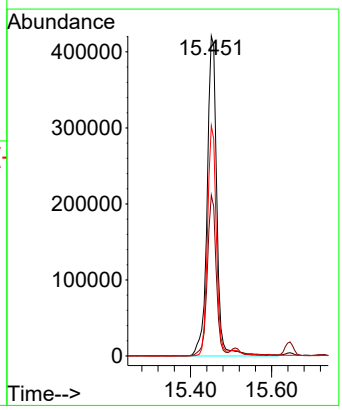


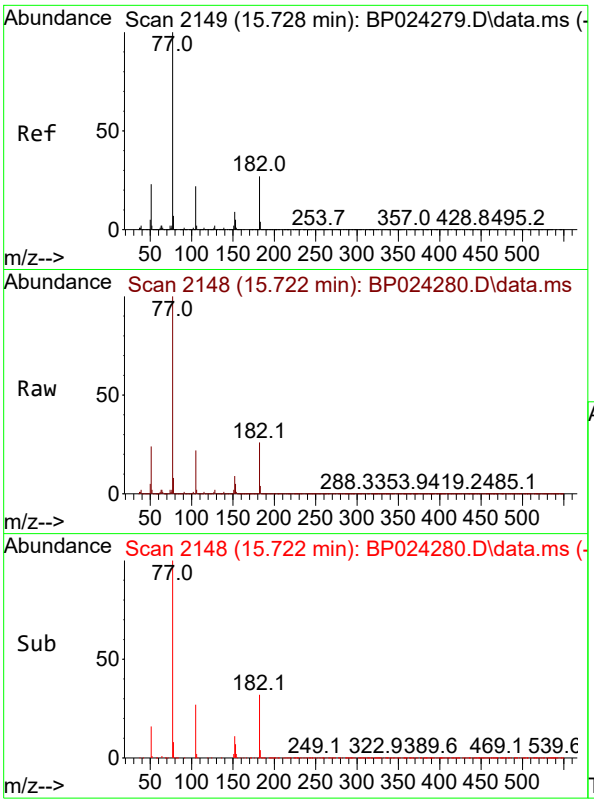


#62
4-Nitroaniline
Concen: 53.764 ng
RT: 15.451 min Scan# 2102
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:138 Resp: 691081

Ion	Ratio	Lower	Upper
138	100		
92	50.2	27.8	67.8
108	72.0	48.9	88.9



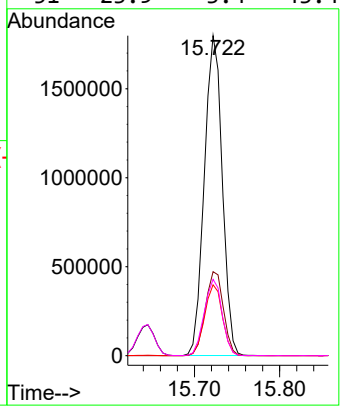


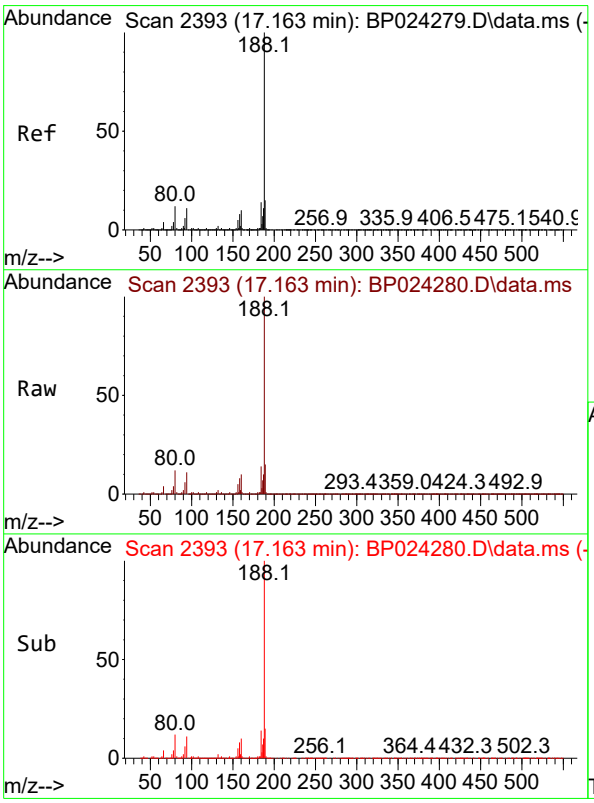
#63
Azobenzene
Concen: 50.076 ng
RT: 15.722 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 2632843

Ion	Ratio	Lower	Upper
77	100		
182	26.3	7.3	47.3
105	22.1	2.3	42.3
51	23.9	3.4	43.4

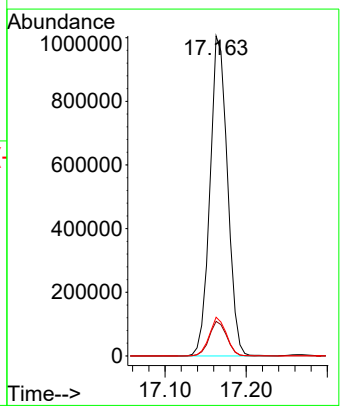


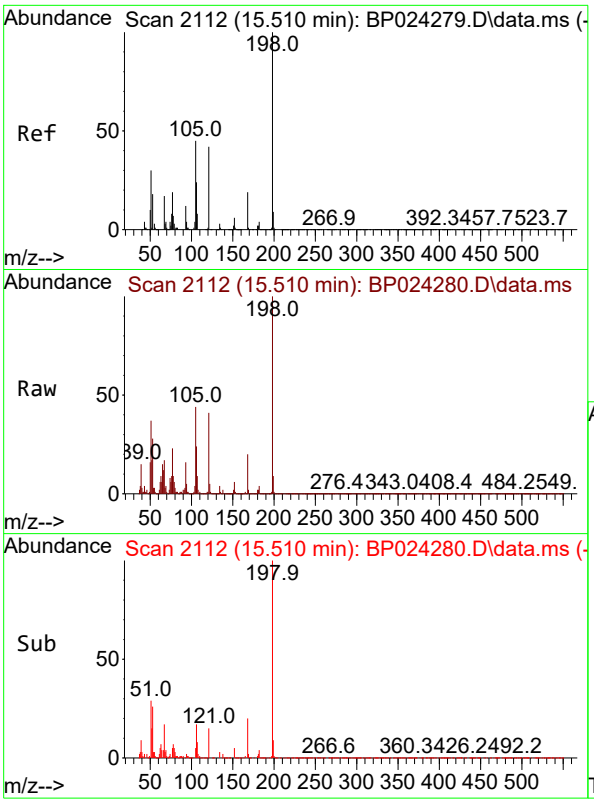


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2393
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:188 Resp: 1505097

Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.6	13.0
80	12.1	9.8	14.6



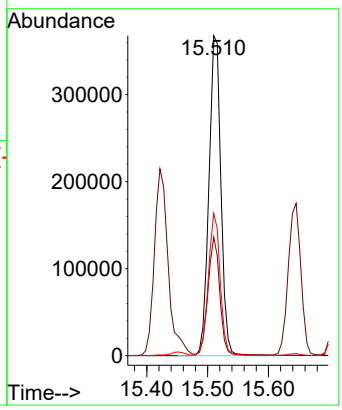


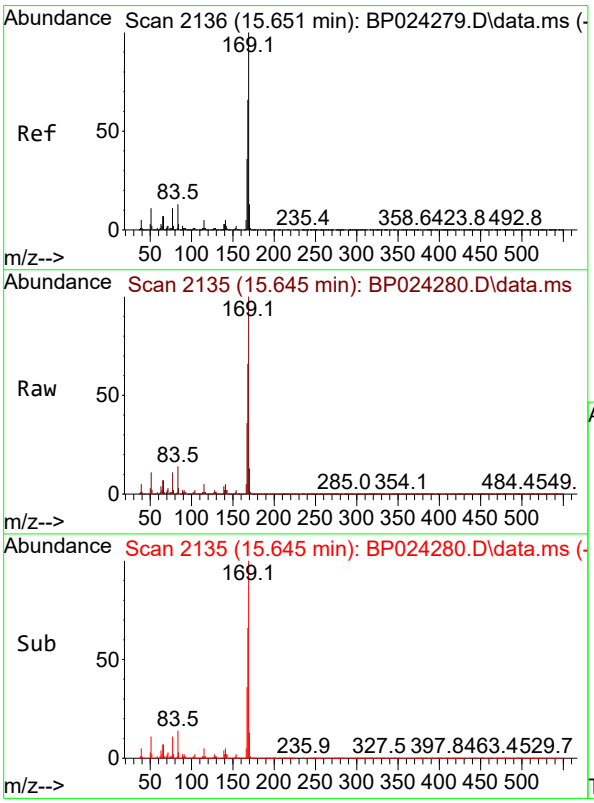
#65
4,6-Dinitro-2-methylphenol
Concen: 57.285 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 503765

Ion	Ratio	Lower	Upper
198	100		
51	37.1	18.4	58.4
105	44.5	26.5	66.5

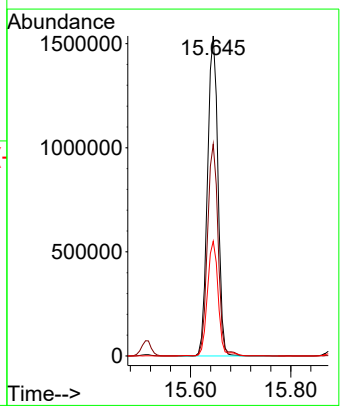


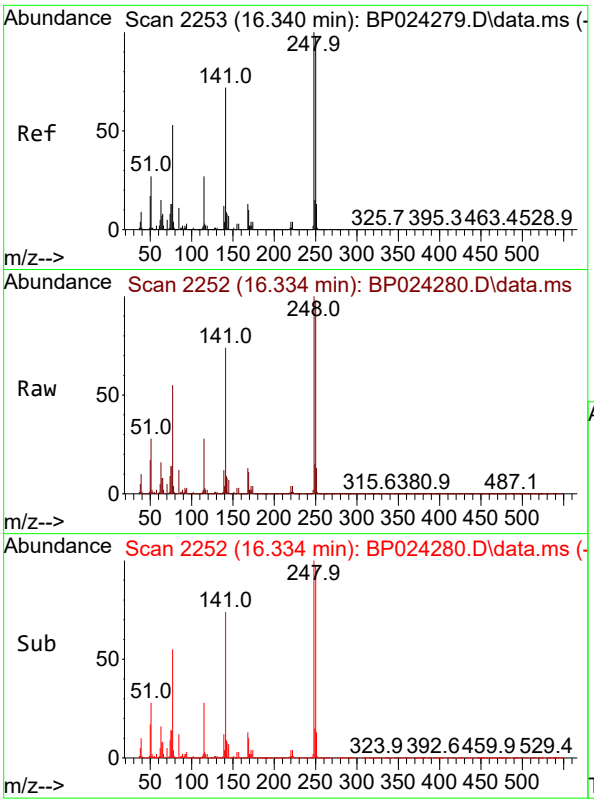


#66
n-Nitrosodiphenylamine
Concen: 49.312 ng
RT: 15.645 min Scan# 2135
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:169 Resp: 2225475

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.4
167	35.9	28.9	43.3



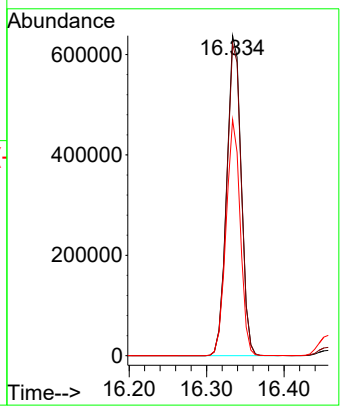


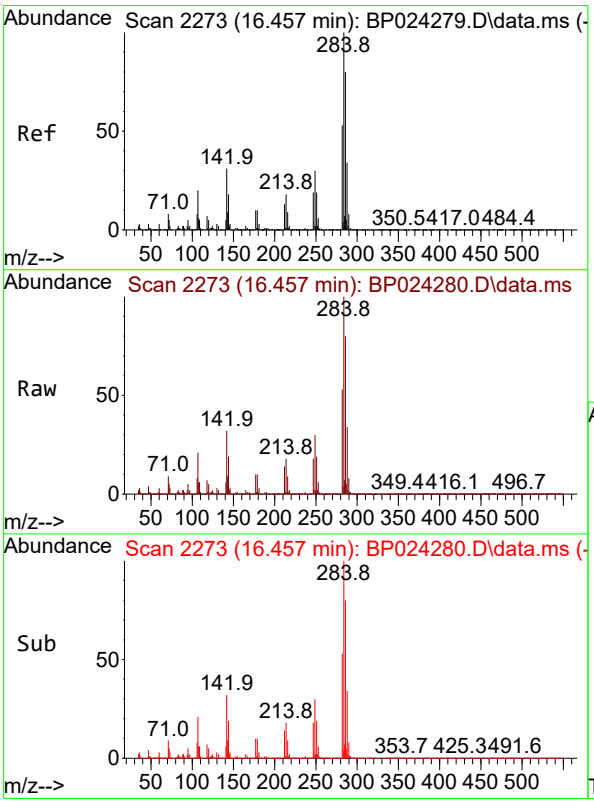
#67
4-Bromophenyl-phenylether
Concen: 50.389 ng
RT: 16.334 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 827245

Ion	Ratio	Lower	Upper
248	100		
250	97.5	78.2	117.4
141	73.8	57.7	86.5

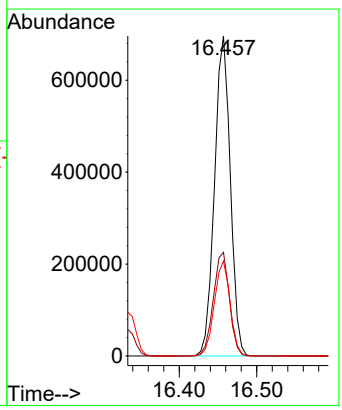


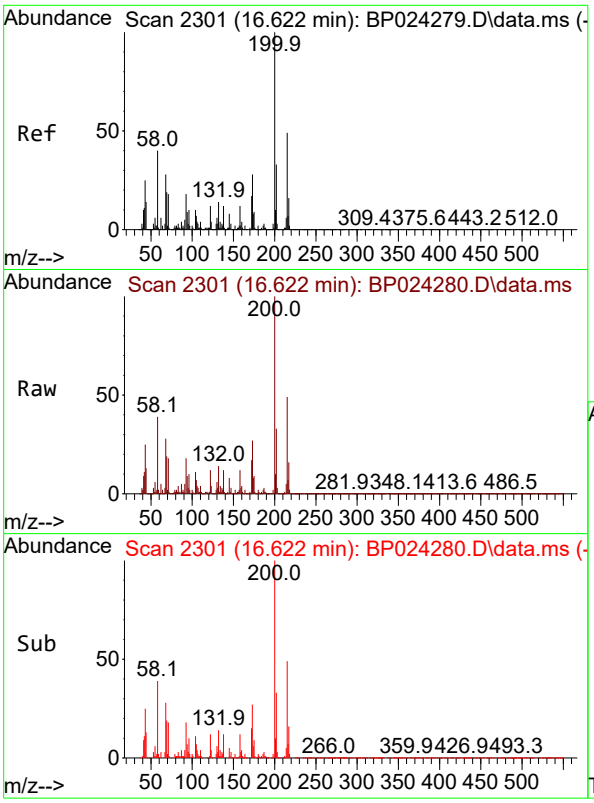


#68
Hexachlorobenzene
Concen: 50.405 ng
RT: 16.457 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:284 Resp: 983768

Ion	Ratio	Lower	Upper
284	100		
142	32.4	24.6	37.0
249	29.7	23.8	35.6



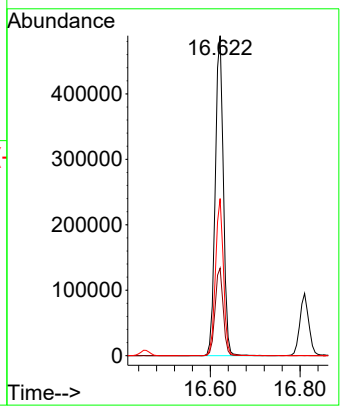


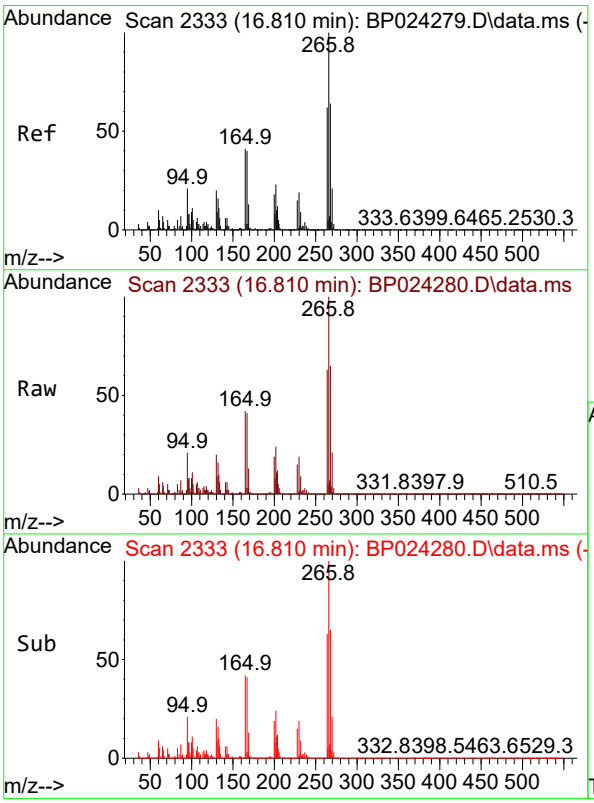
#69
Atrazine
Concen: 53.356 ng
RT: 16.622 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 610479

Ion	Ratio	Lower	Upper
200	100		
173	27.4	7.5	47.5
215	49.1	28.8	68.8

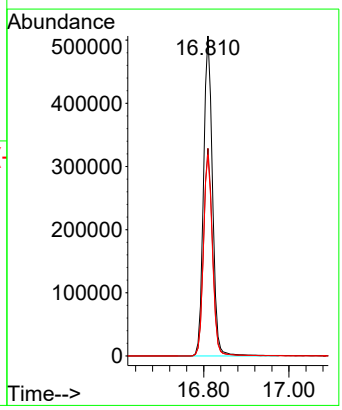


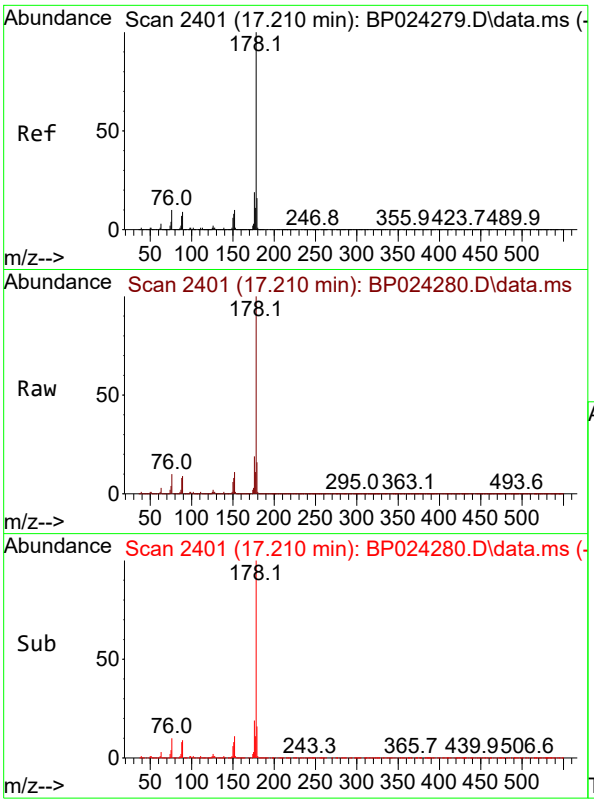


#70
Pentachlorophenol
Concen: 55.203 ng
RT: 16.810 min Scan# 2333
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:266 Resp: 739779

Ion	Ratio	Lower	Upper
266	100		
268	64.9	51.0	76.6
264	62.9	49.8	74.6



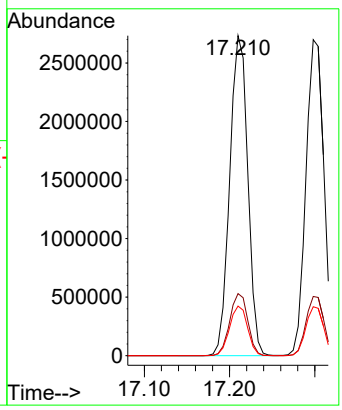


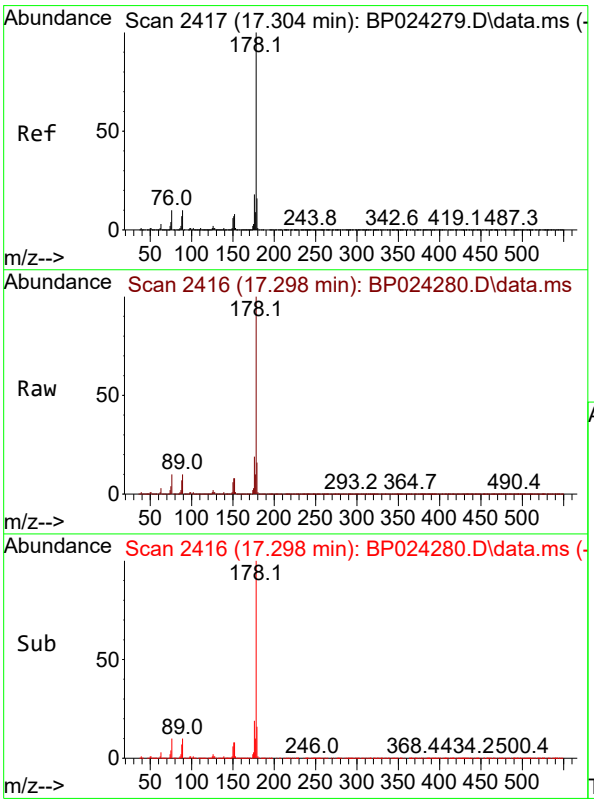
#71
Phenanthrene
Concen: 48.768 ng
RT: 17.210 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 4024282

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.5	12.5	18.7

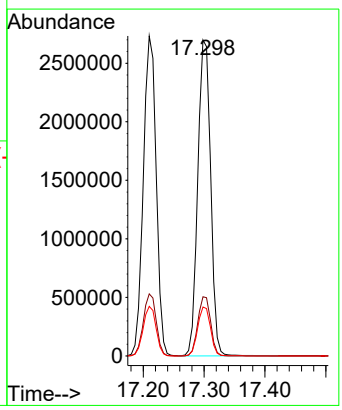


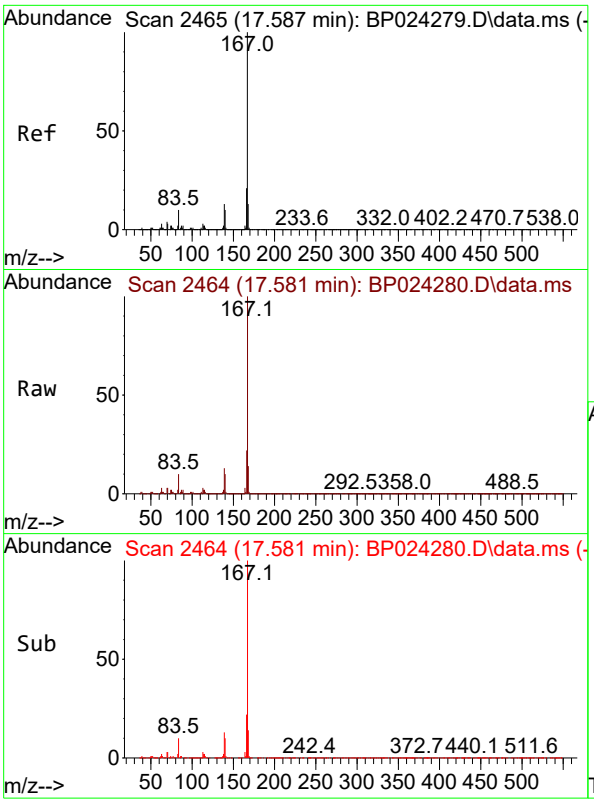


#72
Anthracene
Concen: 49.883 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:178 Resp: 3960913

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.5	12.4	18.6



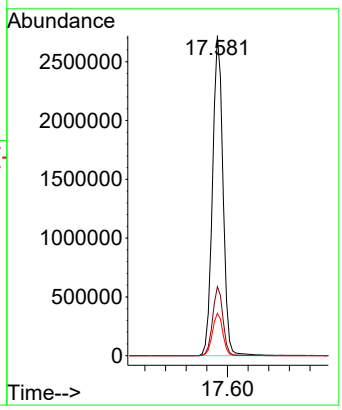


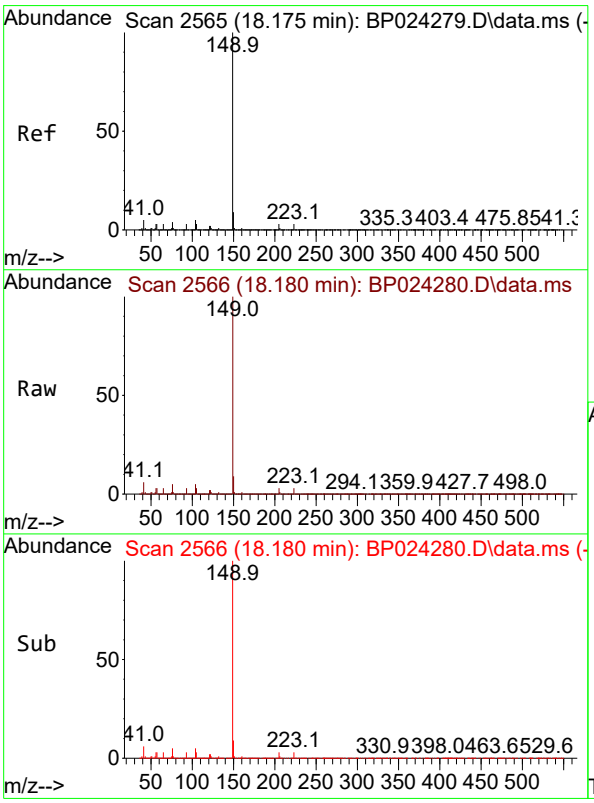
#73
Carbazole
Concen: 49.364 ng
RT: 17.581 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 3814743

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.1	25.7
139	13.3	10.6	16.0

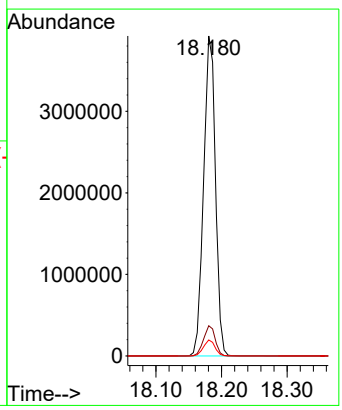


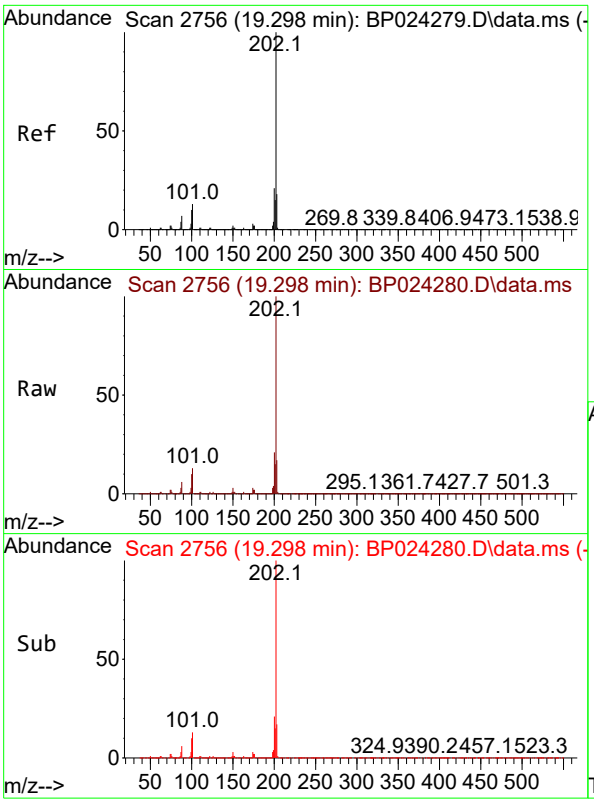


#74
Di-n-butylphthalate
Concen: 51.208 ng
RT: 18.180 min Scan# 2566
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:149 Resp: 4930617

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	5.0	3.9	5.9



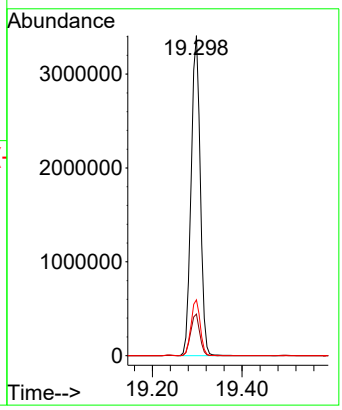


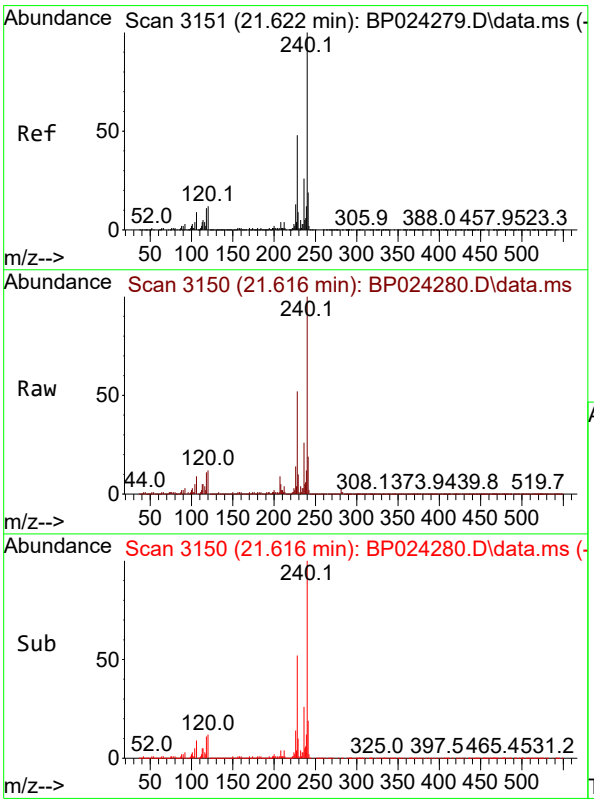
#75
Fluoranthene
Concen: 49.160 ng
RT: 19.298 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 4815021

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.2
203	17.4	0.0	37.7

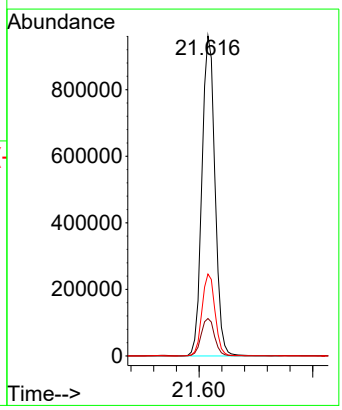


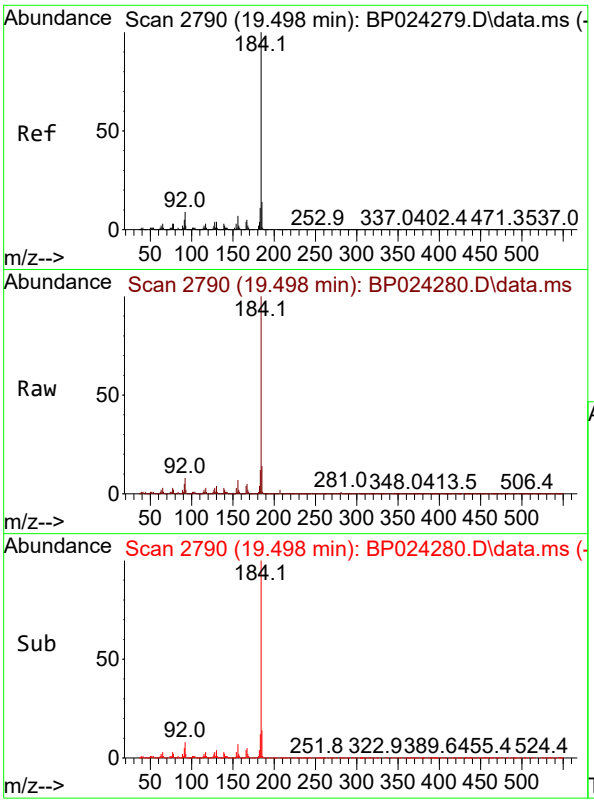


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.616 min Scan# 3150
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:240 Resp: 1527193

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.8	14.8
236	25.6	20.9	31.3



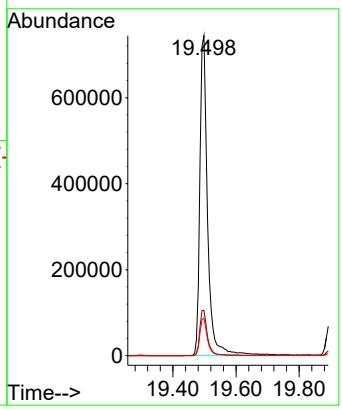


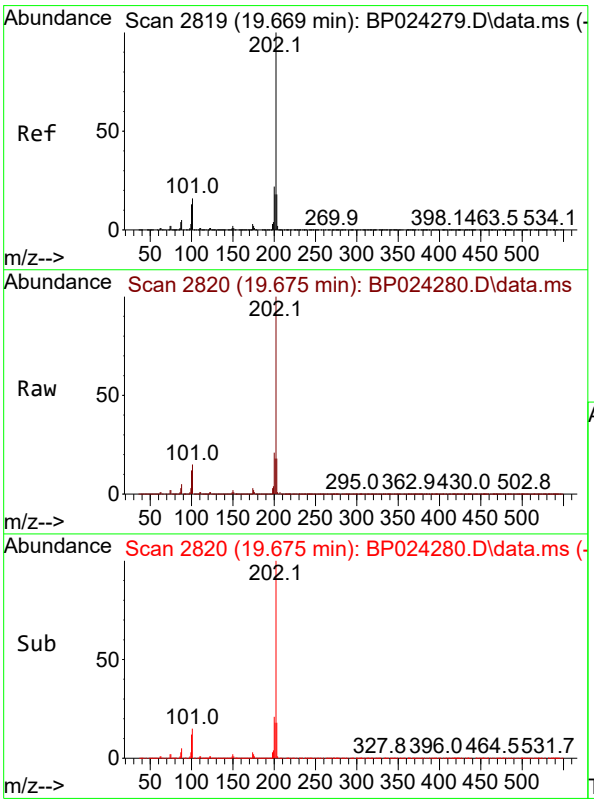
#77
Benzidine
Concen: 67.525 ng
RT: 19.498 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 1272924

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.6	17.4
183	11.7	9.2	13.8

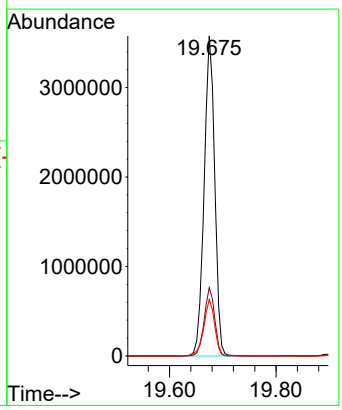


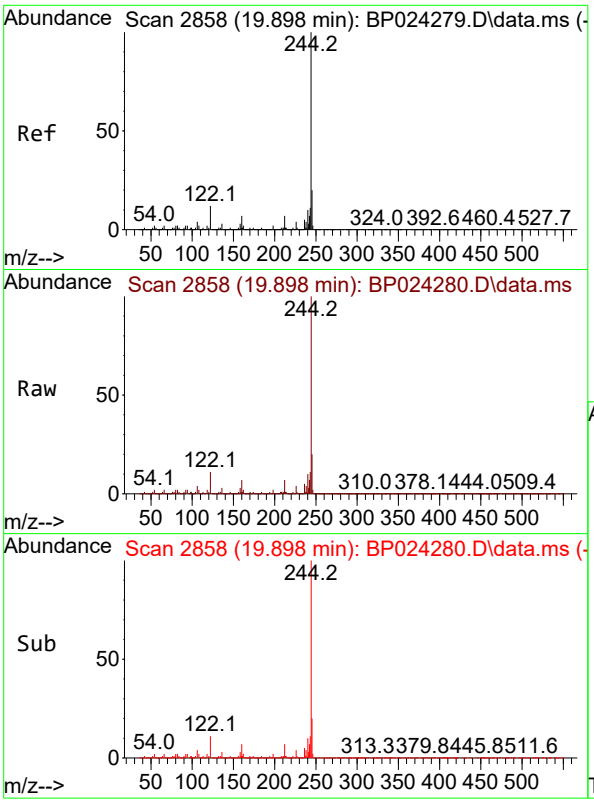


#78
Pyrene
Concen: 50.577 ng
RT: 19.675 min Scan# 2820
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:202 Resp: 4942328

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.2	25.8
203	17.7	14.4	21.6



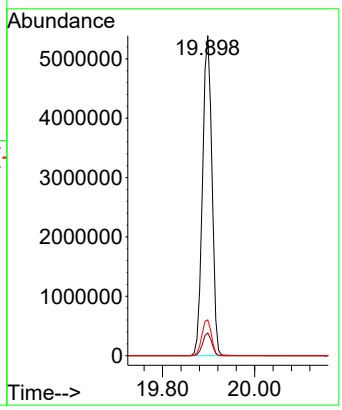


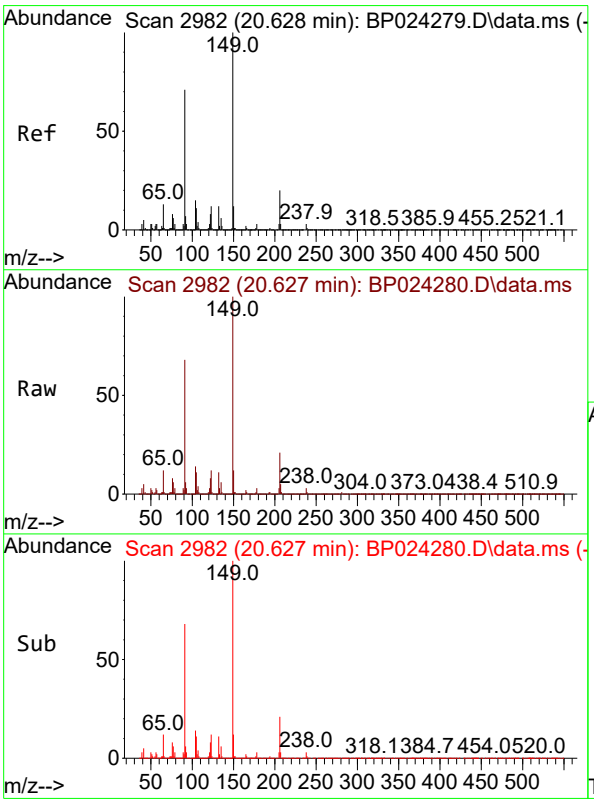
#79
Terphenyl-d14
Concen: 100.142 ng
RT: 19.898 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 7671902

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	11.2	9.4	14.0

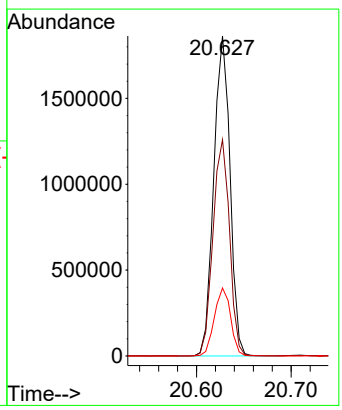


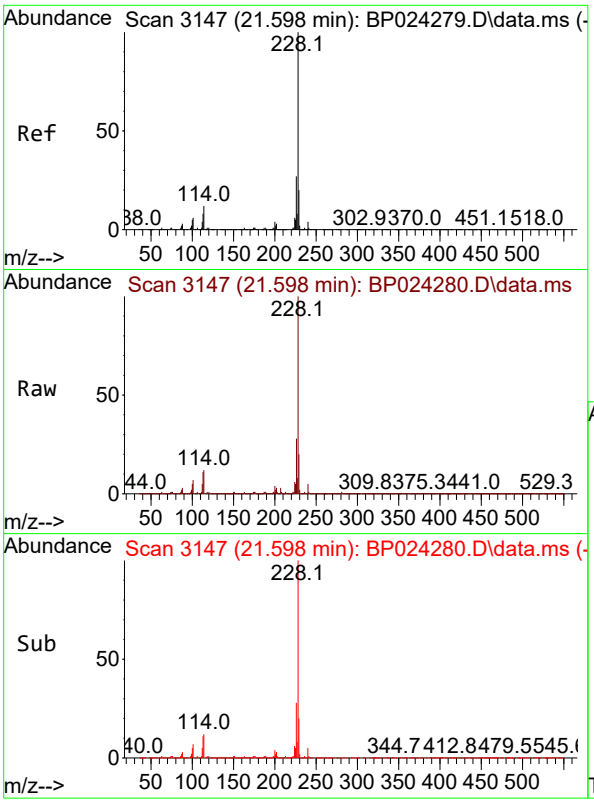


#80
Butylbenzylphthalate
Concen: 53.788 ng
RT: 20.627 min Scan# 2982
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:149 Resp: 2215843

Ion	Ratio	Lower	Upper
149	100		
91	67.6	56.4	84.6
206	21.3	16.3	24.5



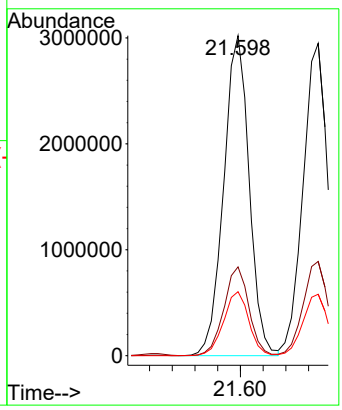


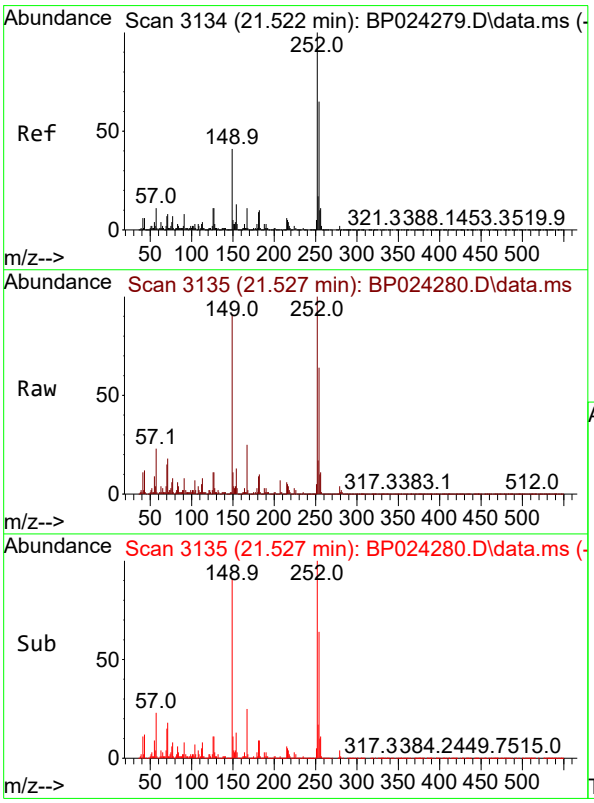
#81
Benzo(a)anthracene
Concen: 49.485 ng
RT: 21.598 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 4711301

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.8	32.8
229	20.0	15.9	23.9

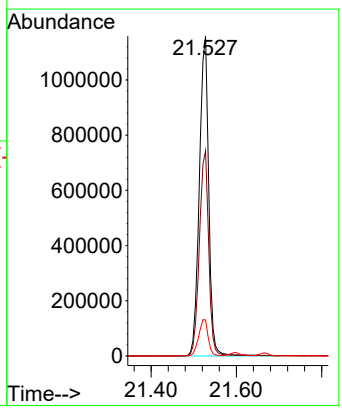


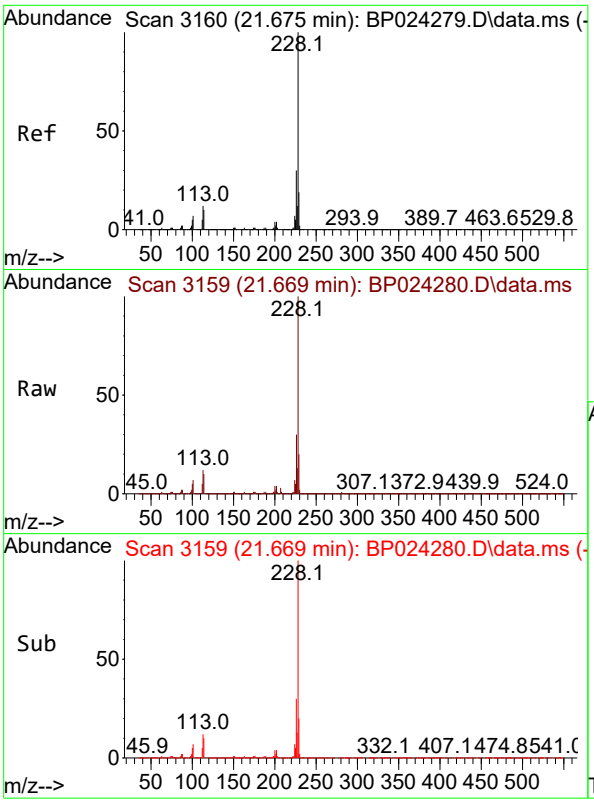


#82
3,3'-Dichlorobenzidine
Concen: 53.582 ng
RT: 21.527 min Scan# 3135
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:252 Resp: 1768950

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.7	77.5
126	11.3	8.8	13.2



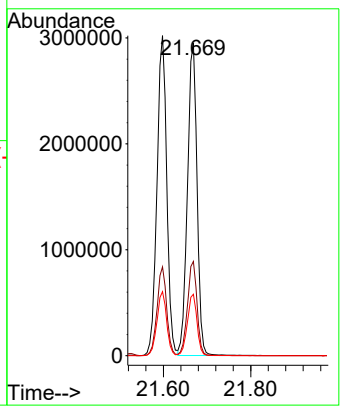


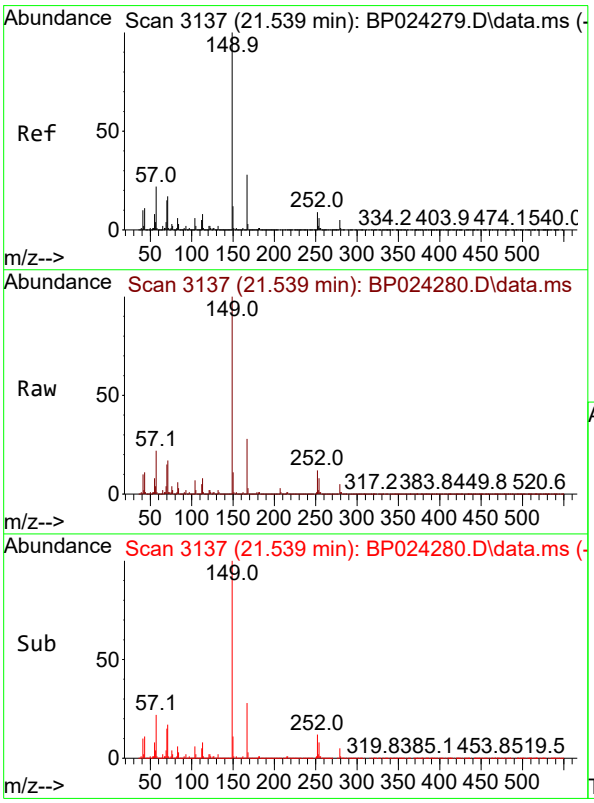
#83
Chrysene
Concen: 49.099 ng
RT: 21.669 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 4480150

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.2
229	19.7	15.6	23.4

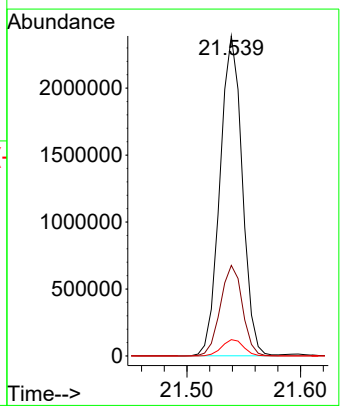


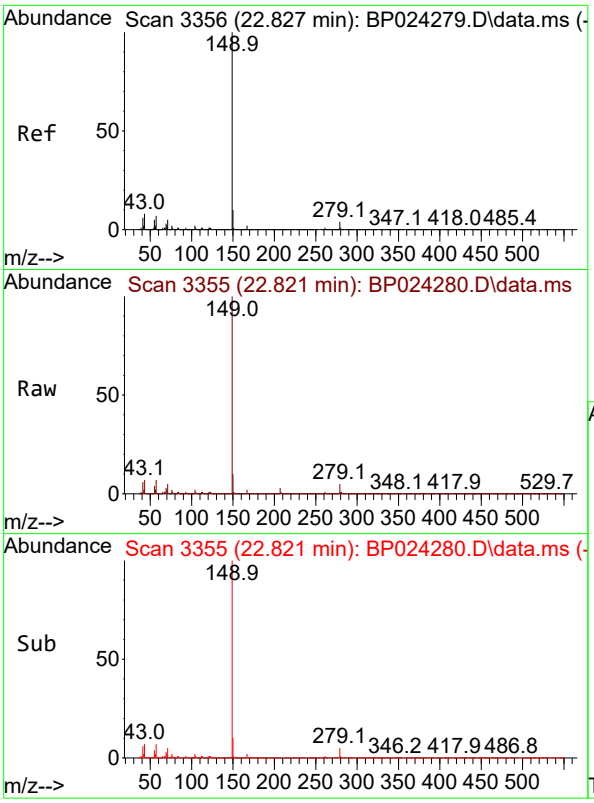


#84
Bis(2-ethylhexyl)phthalate
Concen: 53.679 ng
RT: 21.539 min Scan# 3137
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:149 Resp: 3256722

Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.4	33.6
279	5.1	4.0	6.0



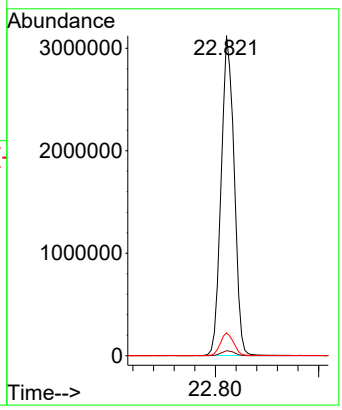


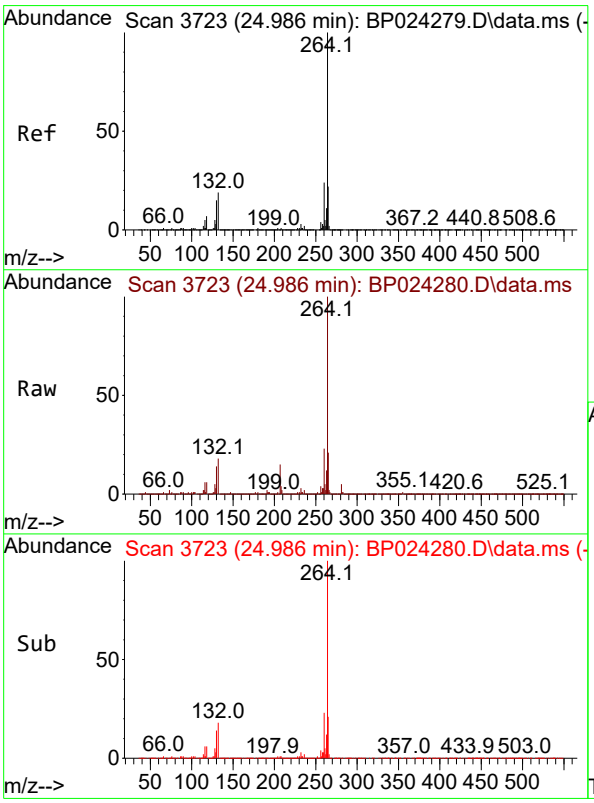
#85
Di-n-octyl phthalate
Concen: 56.166 ng
RT: 22.821 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 5458484

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.2	6.0	9.0

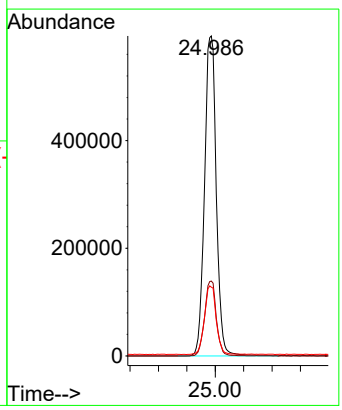


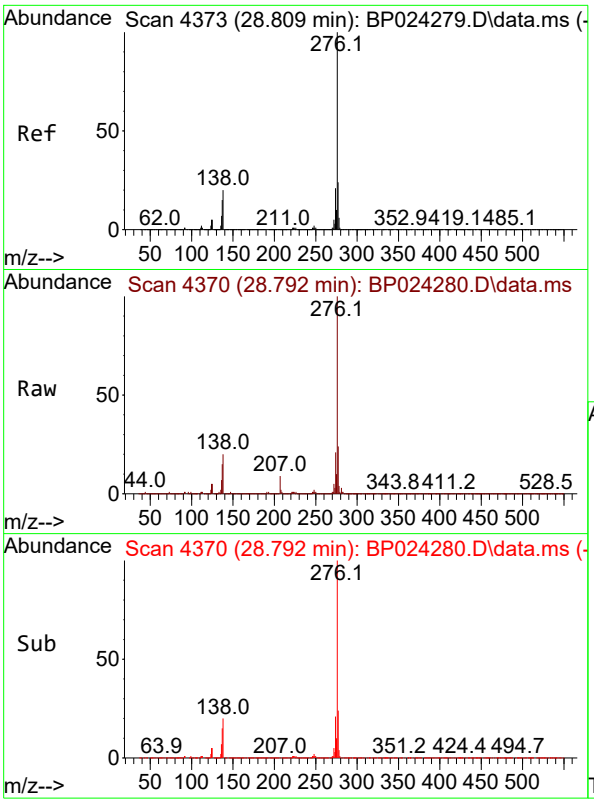


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.986 min Scan# 3723
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:264 Resp: 1706545

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.9	28.3
265	21.5	17.8	26.6



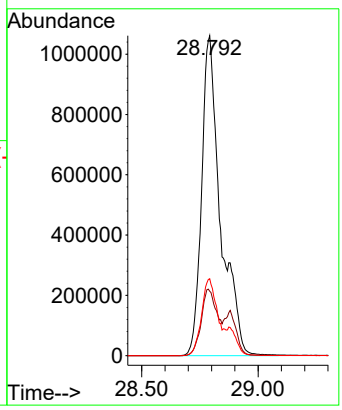


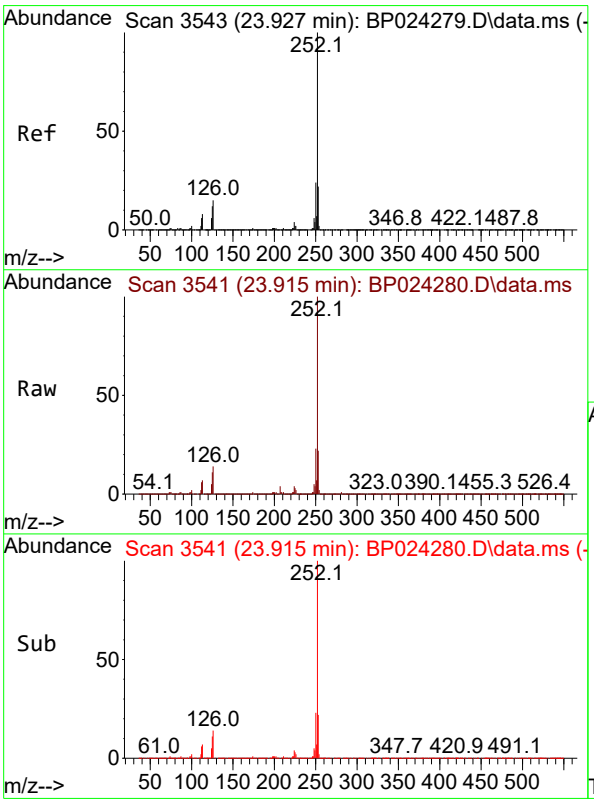
#87
Indeno(1,2,3-cd)pyrene
Concen: 50.926 ng m
RT: 28.792 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 5977144

Ion	Ratio	Lower	Upper
276	100		
138	17.7	14.5	21.7
277	20.8	20.2	30.2

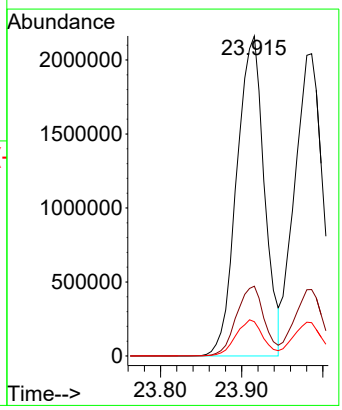


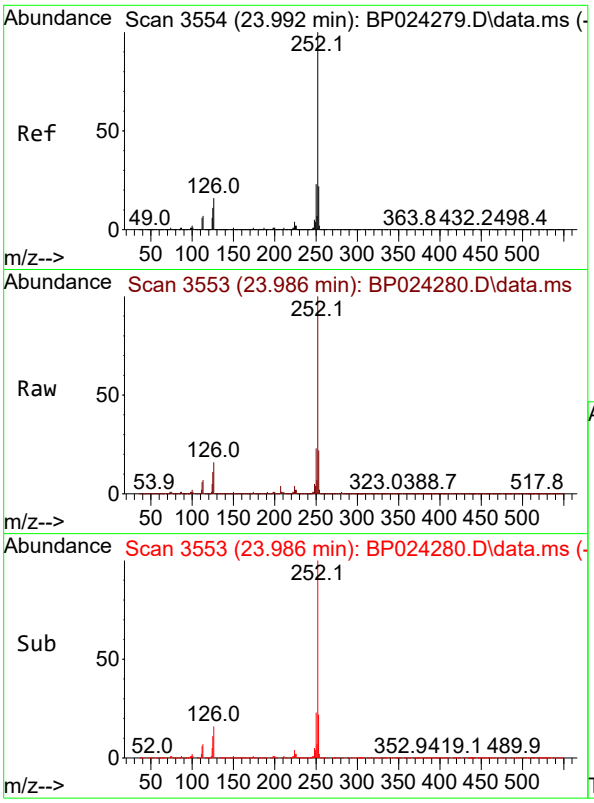


#88
Benzo(b)fluoranthene
Concen: 49.975 ng
RT: 23.915 min Scan# 3541
Delta R.T. -0.012 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:252 Resp: 5102465

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	10.7	9.4	14.0



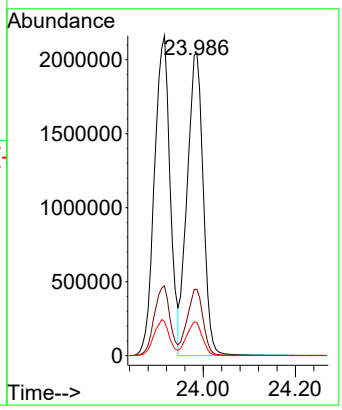


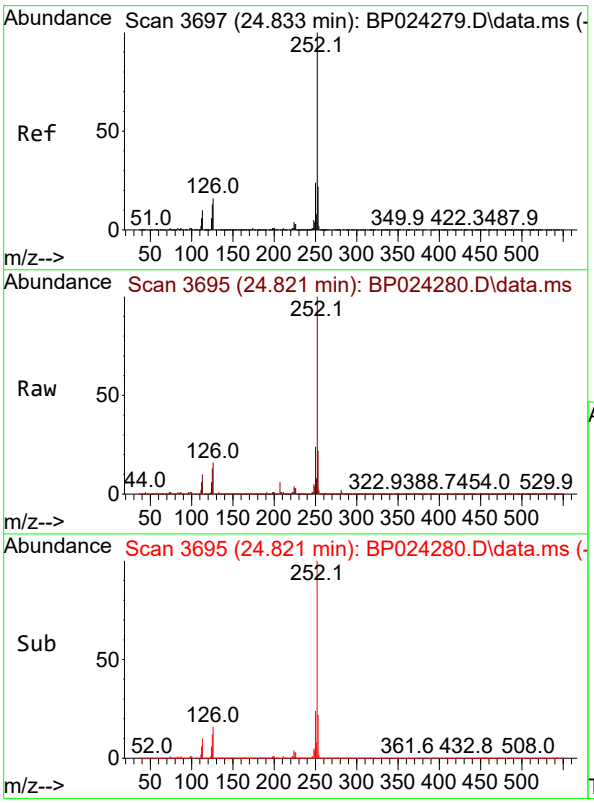
#89
Benzo(k)fluoranthene
Concen: 49.683 ng
RT: 23.986 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 4923203

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	11.0	9.1	13.7

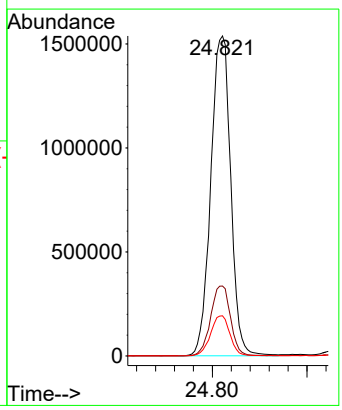


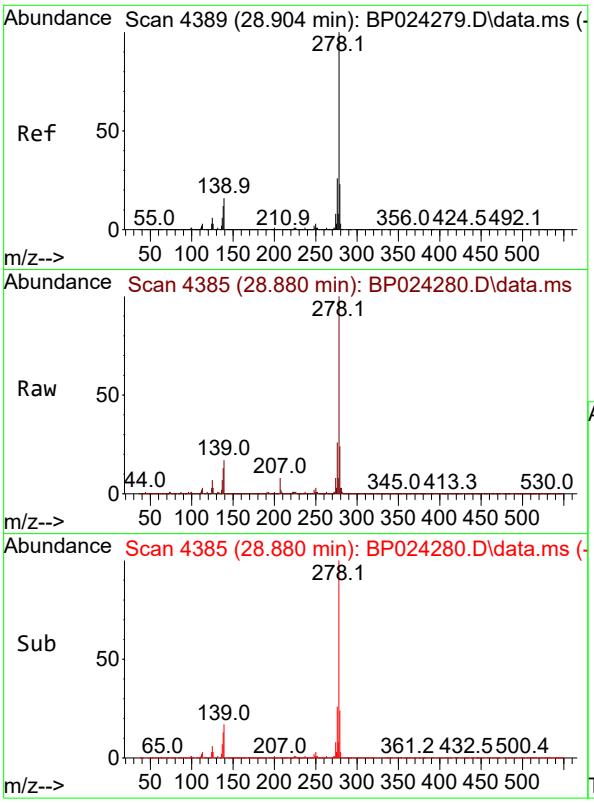


#90
Benzo(a)pyrene
Concen: 51.093 ng
RT: 24.821 min Scan# 3695
Delta R.T. -0.012 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:252 Resp: 4490517

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	12.5	10.1	15.1



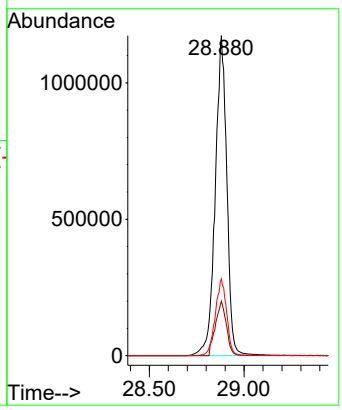


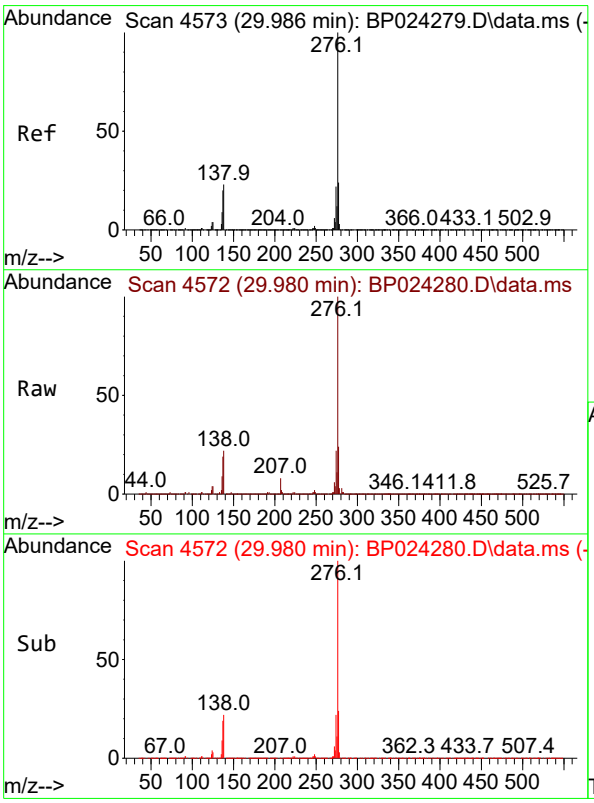
#91
Dibenzo(a,h)anthracene
Concen: 51.084 ng
RT: 28.880 min Scan# 4
Delta R.T. -0.024 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 4987219

Ion	Ratio	Lower	Upper
278	100		
139	17.1	12.6	19.0
279	24.0	18.5	27.7

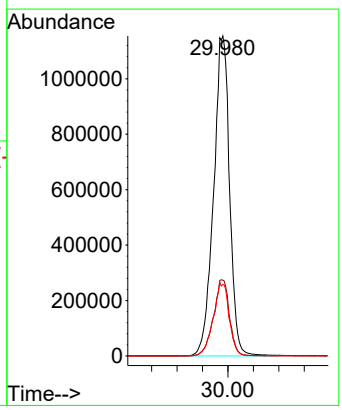




#92
Benzo(g,h,i)perylene
Concen: 50.656 ng
RT: 29.980 min Scan# 4572
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:276 Resp: 5033807

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.9	28.3
138	22.4	18.7	28.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024281.D
Acq On : 14 Apr 2025 16:32
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Apr 14 17:27:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.728	152	283549	20.000	ng		0.00
21) Naphthalene-d8	10.510	136	1206231	20.000	ng		0.00
39) Acenaphthene-d10	14.363	164	777459	20.000	ng		0.00
64) Phenanthrene-d10	17.169	188	1536805	20.000	ng		0.00
76) Chrysene-d12	21.621	240	1596148	20.000	ng		0.00
86) Perylene-d12	24.986	264	1858365	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.352	112	2173071	126.481	ng		0.00
7) Phenol-d6	6.916	99	3009690	128.049	ng		0.00
23) Nitrobenzene-d5	8.881	82	2579126	121.729	ng		0.00
42) 2,4,6-Tribromophenol	15.881	330	1382037	129.818	ng		0.00
45) 2-Fluorobiphenyl	12.975	172	5835791	113.964	ng		0.00
79) Terphenyl-d14	19.898	244	9228969	115.262	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	417124	56.869	ng		100
3) Pyridine	3.687	79	1176097m	61.599	ng		
4) n-Nitrosodimethylamine	3.599	42	391176	61.443	ng		99
6) Aniline	7.069	93	1214636	57.245	ng		100
8) 2-Chlorophenol	7.305	128	1190812	62.021	ng		99
9) Benzaldehyde	6.881	77	617878	50.755	ng		99
10) Phenol	6.946	94	1513303	64.123	ng		99
11) bis(2-Chloroethyl)ether	7.163	93	1155297	60.579	ng		100
12) 1,3-Dichlorobenzene	7.622	146	1218832	58.589	ng		100
13) 1,4-Dichlorobenzene	7.763	146	1244205	58.981	ng		100
14) 1,2-Dichlorobenzene	8.081	146	1199988	58.830	ng		100
15) Benzyl Alcohol	7.975	79	1002308	66.533	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.257	45	1187992	57.259	ng		99
17) 2-Methylphenol	8.175	107	978531	64.342	ng		99
18) Hexachloroethane	8.804	117	453349	59.545	ng		98
19) n-Nitroso-di-n-propyla...	8.534	70	883042	60.486	ng		99
20) 3+4-Methylphenols	8.499	107	1367005	64.895	ng		99
22) Acetophenone	8.546	105	1792666	59.797	ng	#	99
24) Nitrobenzene	8.922	77	1276229	60.775	ng		100
25) Isophorone	9.446	82	2365423	61.842	ng		99
26) 2-Nitrophenol	9.628	139	690735	68.504	ng		99
27) 2,4-Dimethylphenol	9.693	122	826335	64.660	ng		98
28) bis(2-Chloroethoxy)met...	9.922	93	1539129	59.124	ng		99
29) 2,4-Dichlorophenol	10.157	162	1124170	64.543	ng		99
30) 1,2,4-Trichlorobenzene	10.369	180	1138896	60.440	ng		99
31) Naphthalene	10.557	128	3790924	59.373	ng		99
32) Benzoic acid	9.869	122	1032910m	74.795	ng		
33) 4-Chloroaniline	10.675	127	1372601	61.527	ng		100
34) Hexachlorobutadiene	10.845	225	660129	59.719	ng		99
35) Caprolactam	11.475	113	437691	68.445	ng		99
36) 4-Chloro-3-methylphenol	11.804	107	1314421	64.762	ng		98
37) 2-Methylnaphthalene	12.169	142	2676555	60.487	ng		99
38) 1-Methylnaphthalene	12.387	142	2599119	59.960	ng		100
40) 1,2,4,5-Tetrachloroben...	12.540	216	1281552	59.981	ng		100
41) Hexachlorocyclopentadiene	12.522	237	459486	61.257	ng		99
43) 2,4,6-Trichlorophenol	12.787	196	909999	64.732	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024281.D
Acq On : 14 Apr 2025 16:32
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Apr 14 17:27:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.863	196	1017414	65.306	ng	99
46) 1,1'-Biphenyl	13.187	154	3330176	58.001	ng	99
47) 2-Chloronaphthalene	13.228	162	2542212	59.336	ng	99
48) 2-Nitroaniline	13.439	65	781584	66.042	ng	98
49) Acenaphthylene	14.087	152	4111553	61.143	ng	99
50) Dimethylphthalate	13.828	163	3404463	60.022	ng	100
51) 2,6-Dinitrotoluene	13.939	165	764810	63.998	ng	98
52) Acenaphthene	14.434	154	2516981	58.858	ng	99
53) 3-Nitroaniline	14.275	138	793796	64.022	ng	99
54) 2,4-Dinitrophenol	14.486	184	490497	76.655	ng	97
55) Dibenzofuran	14.775	168	4124640	58.810	ng	100
56) 4-Nitrophenol	14.598	139	754038	70.748	ng	99
57) 2,4-Dinitrotoluene	14.739	165	1079633	66.836	ng	98
58) Fluorene	15.434	166	3184960	58.817	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.004	232	909497	63.097	ng	100
60) Diethylphthalate	15.204	149	3495577	59.879	ng	100
61) 4-Chlorophenyl-phenyle...	15.428	204	1563042	59.442	ng	99
62) 4-Nitroaniline	15.457	138	886163	67.414	ng	98
63) Azobenzene	15.728	77	3229873	60.070	ng	98
65) 4,6-Dinitro-2-methylph...	15.516	198	647253	72.083	ng	94
66) n-Nitrosodiphenylamine	15.651	169	2805137	60.874	ng	100
67) 4-Bromophenyl-phenylether	16.339	248	1038071	61.926	ng	98
68) Hexachlorobenzene	16.457	284	1239550	62.200	ng	97
70) Pentachlorophenol	16.816	266	936562	68.445	ng	100
71) Phenanthrene	17.222	178	4988840	59.209	ng	99
72) Anthracene	17.310	178	4938117	60.907	ng	99
73) Carbazole	17.592	167	4780408	60.584	ng	99
74) Di-n-butylphthalate	18.186	149	6167206	62.730	ng	100
75) Fluoranthene	19.304	202	6009748	60.092	ng	98
77) Benzidine	19.504	184	1446166	73.401	ng	100
78) Pyrene	19.680	202	6250781	61.204	ng	100
80) Butylbenzylphthalate	20.621	149	2840001	65.961	ng	98
81) Benzo(a)anthracene	21.604	228	6002059	60.318	ng	99
82) 3,3'-Dichlorobenzidine	21.521	252	2323294	67.333	ng	100
83) Chrysene	21.674	228	5714775	59.924	ng	99
84) Bis(2-ethylhexyl)phtha...	21.545	149	4153128	65.497	ng	99
85) Di-n-octyl phthalate	22.839	149	7116217	70.060	ng	99
87) Indeno(1,2,3-cd)pyrene	28.821	276	8057576m	63.043	ng	
88) Benzo(b)fluoranthene	23.927	252	6715444	60.400	ng	99
89) Benzo(k)fluoranthene	24.004	252	6500782	60.244	ng	99
90) Benzo(a)pyrene	24.827	252	5964163	62.316	ng	99
91) Dibenzo(a,h)anthracene	28.892	278	6614173	62.214	ng	98
92) Benzo(g,h,i)perylene	30.003	276	6740929	62.294	ng	98

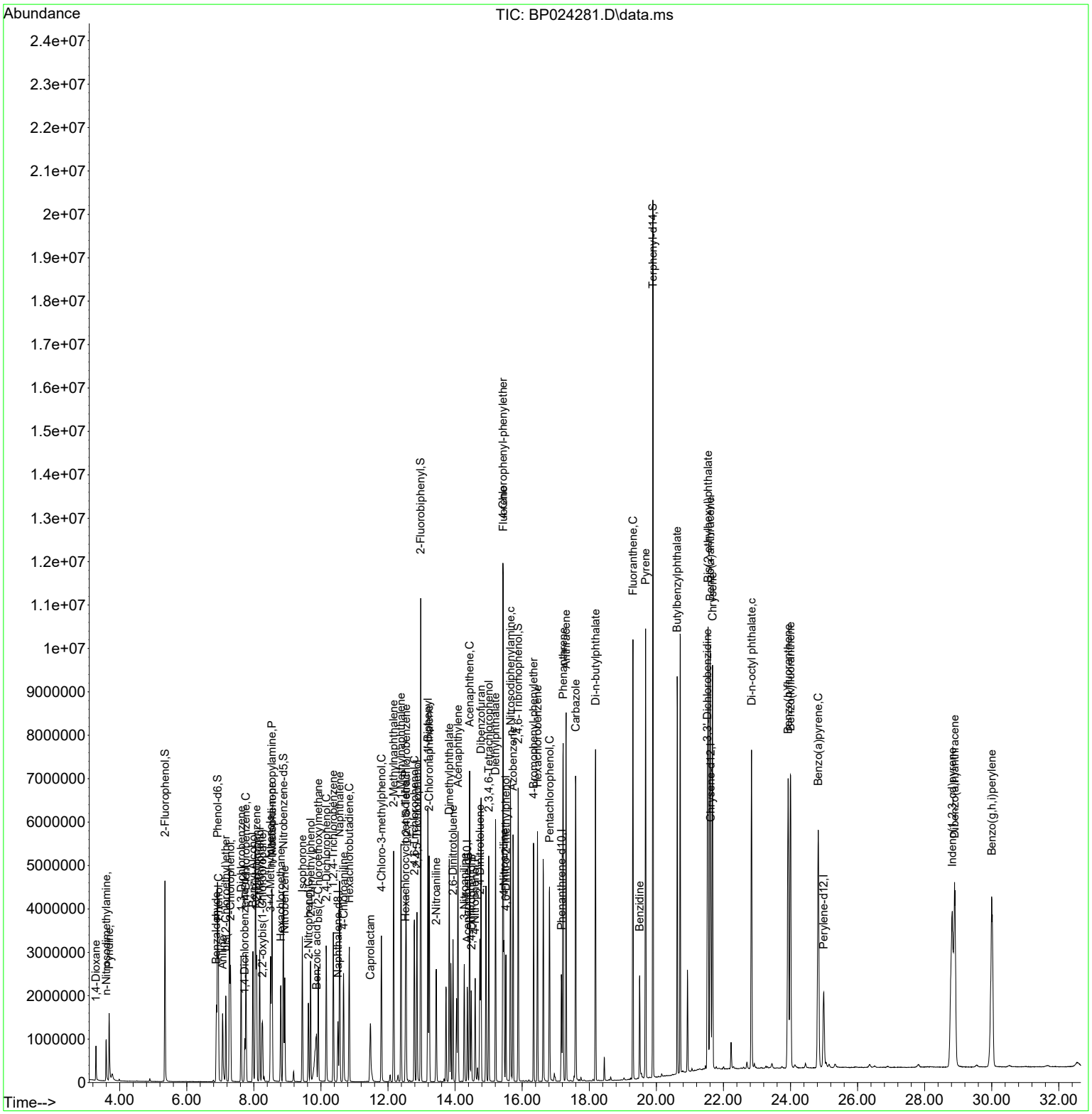
(#) = qualifier out of range (m) = manual integration (+) = signals summed

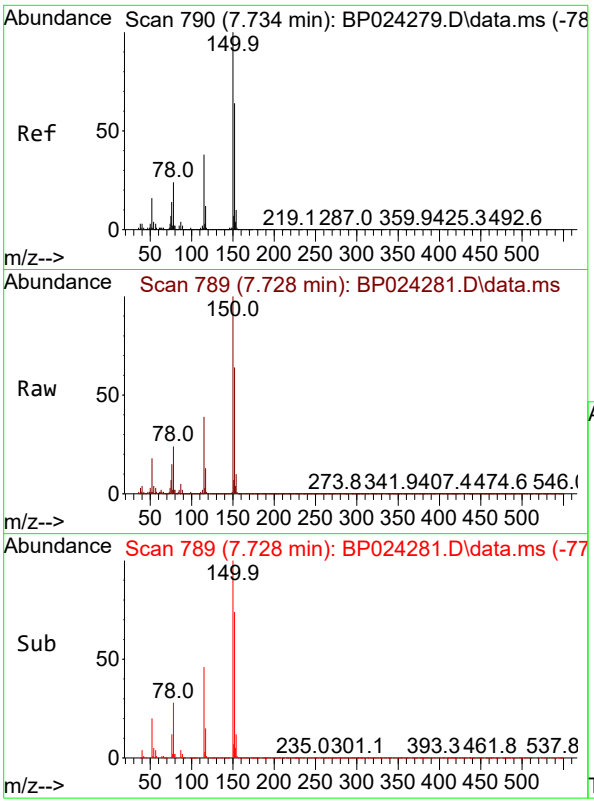
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024281.D
Acq On : 14 Apr 2025 16:32
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Apr 14 17:27:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



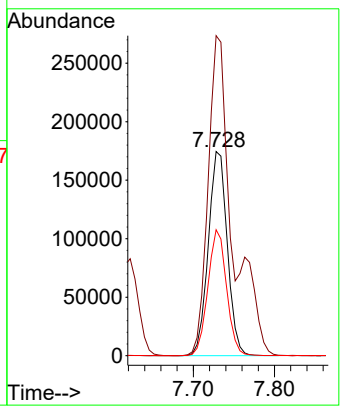


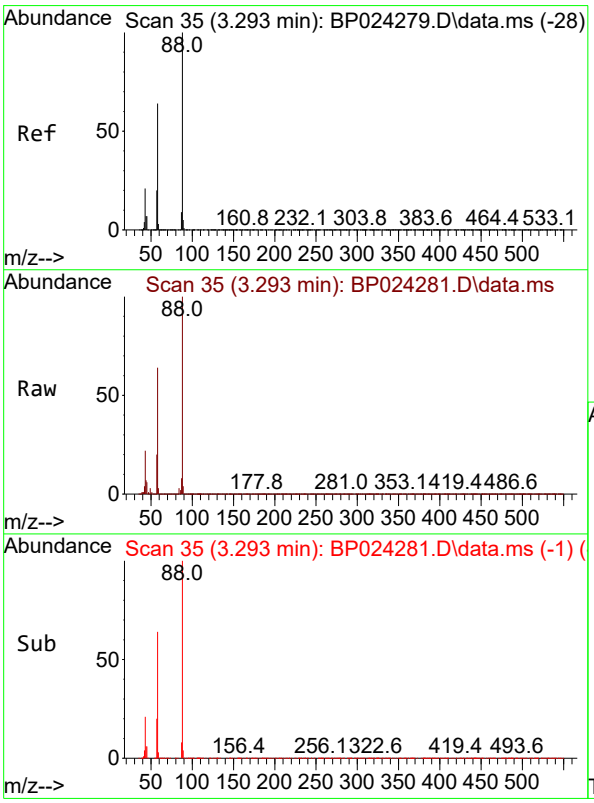
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 283549

Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.9	187.3
115	61.7	47.7	71.5

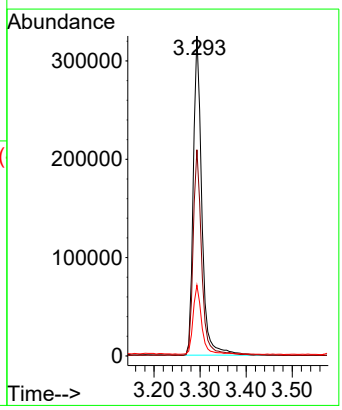


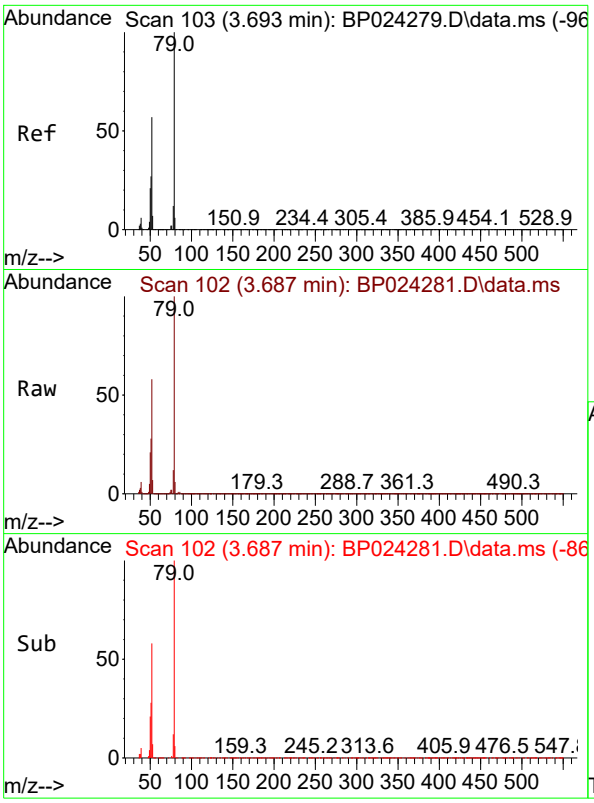


#2
1,4-Dioxane
Concen: 56.869 ng
RT: 3.293 min Scan# 35
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 88 Resp: 417124

Ion	Ratio	Lower	Upper
88	100		
58	64.4	51.4	77.2
43	21.4	17.1	25.7



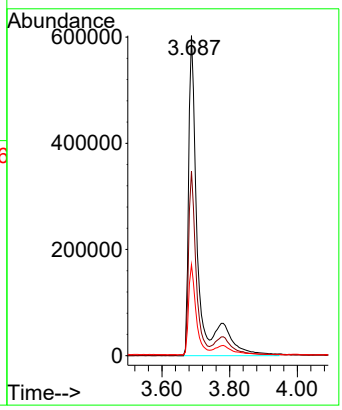


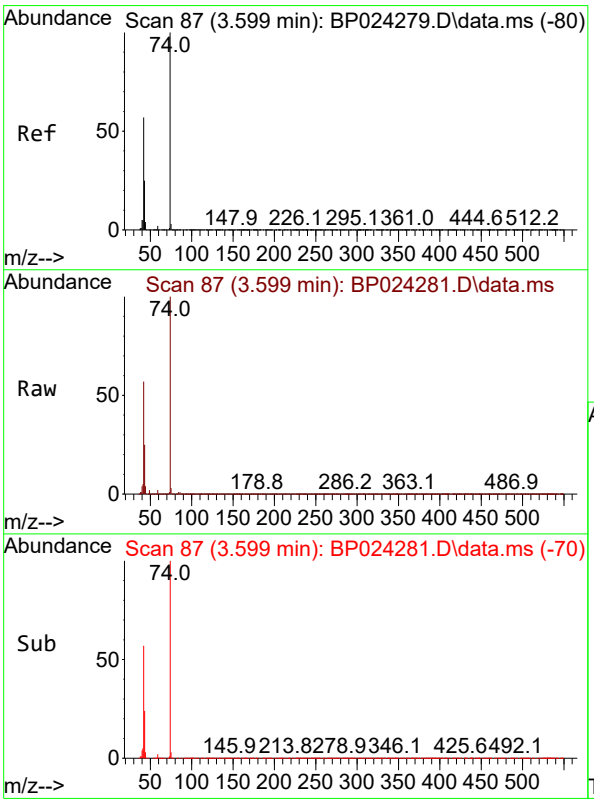
#3
Pyridine
Concen: 61.599 ng m
RT: 3.687 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 1176097

Ion	Ratio	Lower	Upper
79	100		
52	57.7	45.4	68.2
51	28.4	22.6	33.8

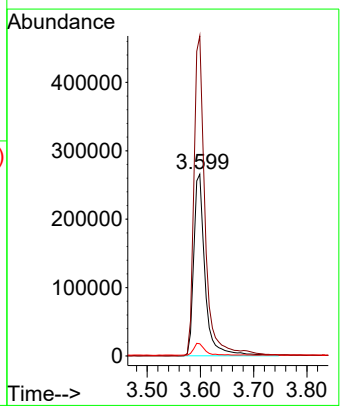


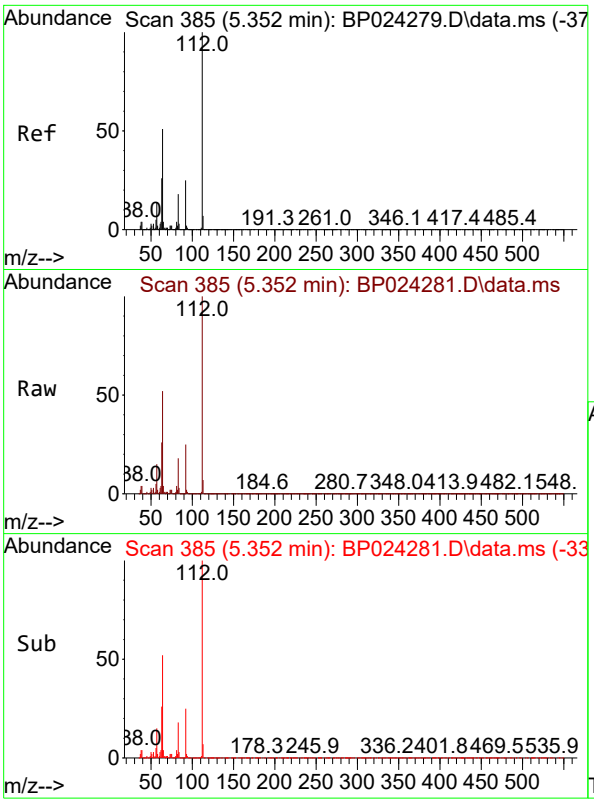


#4
n-Nitrosodimethylamine
Concen: 61.443 ng
RT: 3.599 min Scan# 87
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 42 Resp: 391176

Ion	Ratio	Lower	Upper
42	100		
74	176.0	139.5	209.3
44	6.7	5.8	8.8



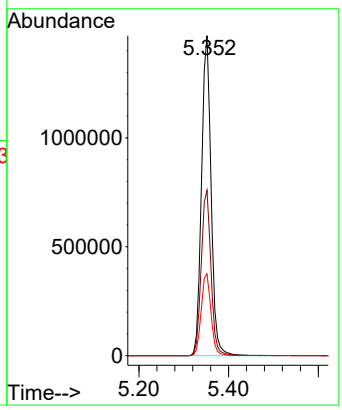


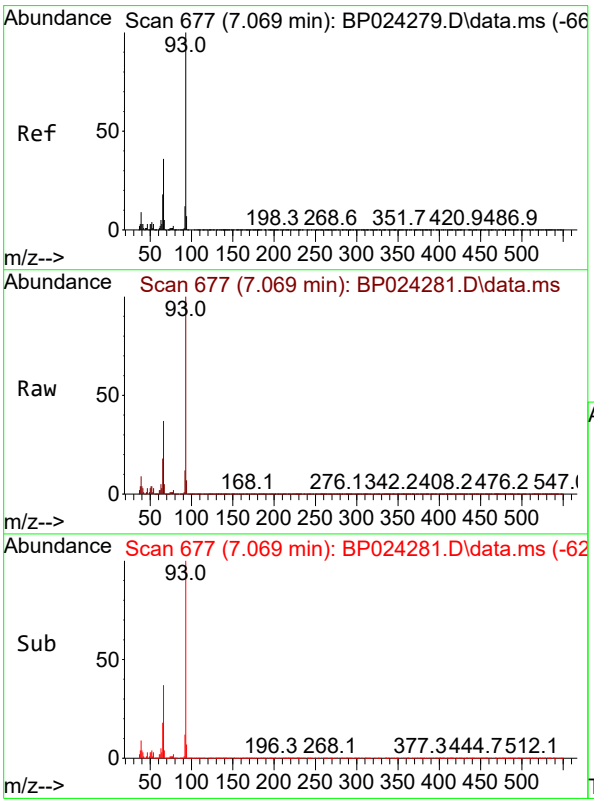
#5
2-Fluorophenol
Concen: 126.481 ng
RT: 5.352 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 2173071

Ion	Ratio	Lower	Upper
112	100		
64	51.6	41.1	61.7
63	25.5	20.6	30.8

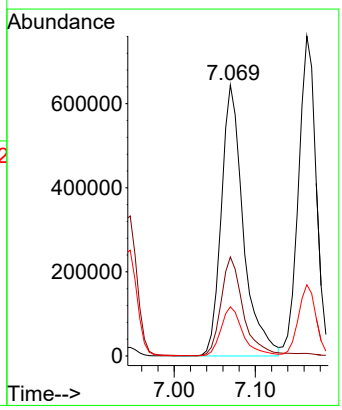


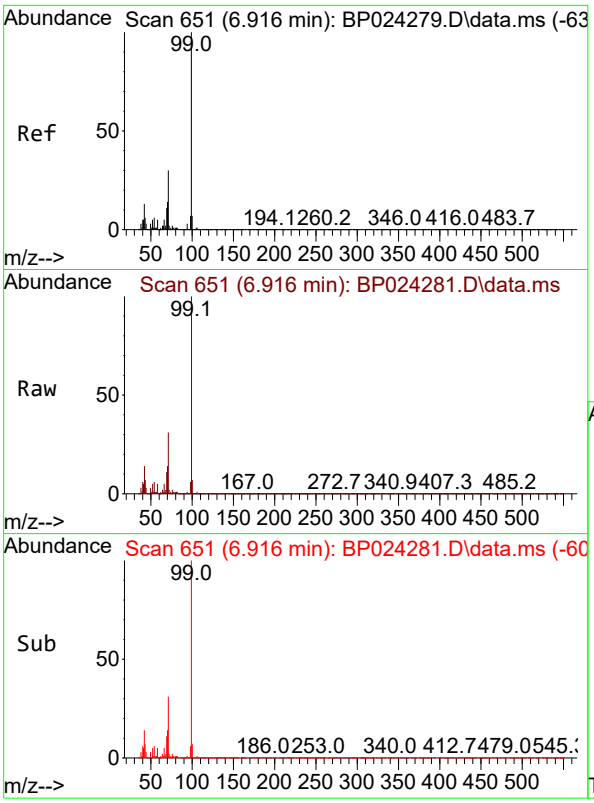


#6
Aniline
Concen: 57.245 ng
RT: 7.069 min Scan# 677
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 93 Resp: 1214636

Ion	Ratio	Lower	Upper
93	100		
66	36.6	29.1	43.7
65	18.1	14.7	22.1



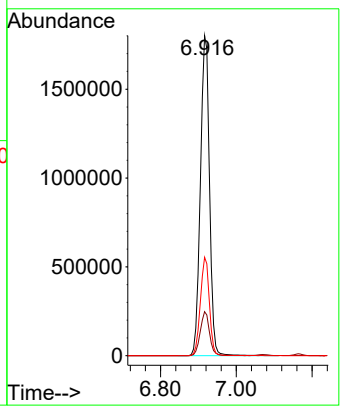


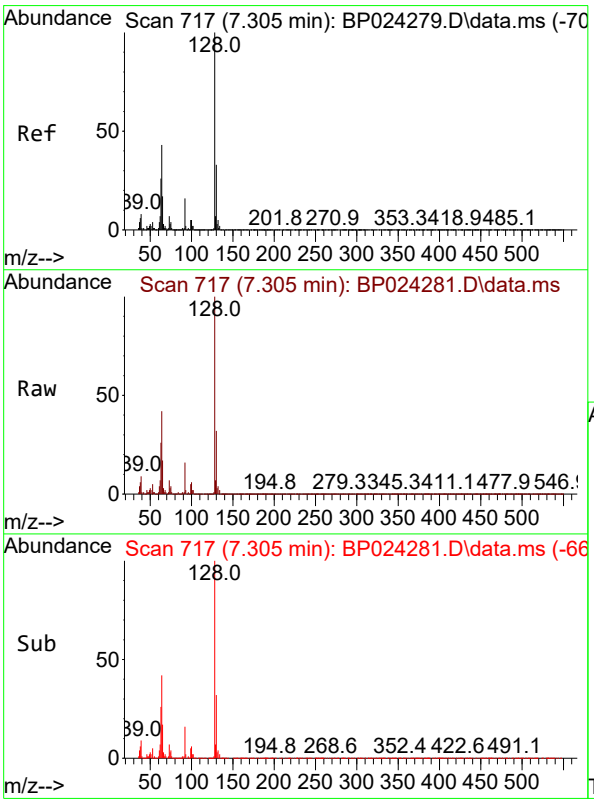
#7
Phenol-d6
Concen: 128.049 ng
RT: 6.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 3009690

Ion	Ratio	Lower	Upper
99	100		
42	13.8	10.6	16.0
71	30.8	23.7	35.5

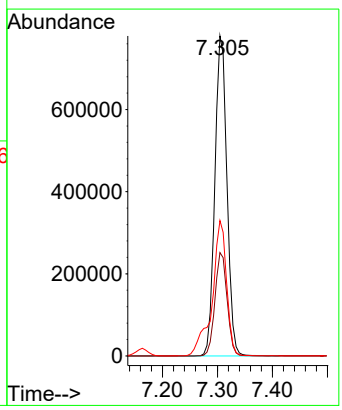


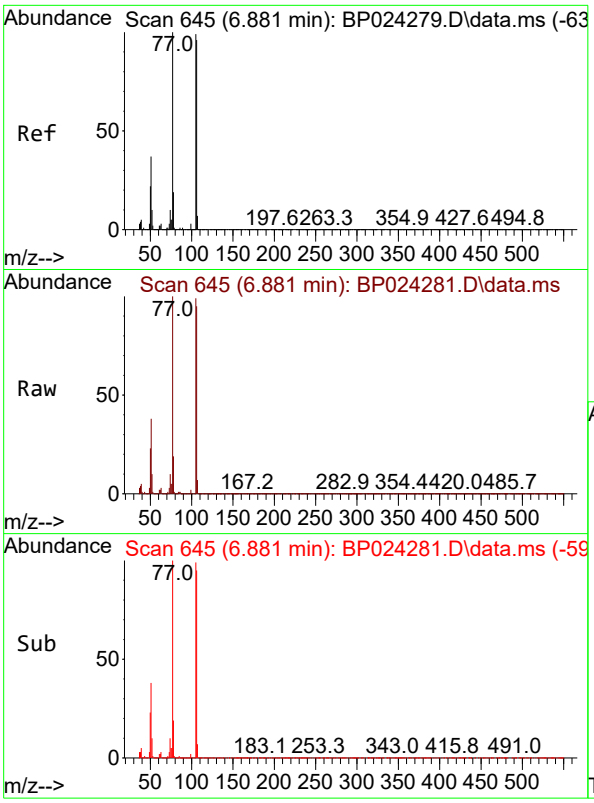


#8
2-Chlorophenol
Concen: 62.021 ng
RT: 7.305 min Scan# 717
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:128 Resp: 1190812

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.9	52.9
64	42.3	22.7	62.7



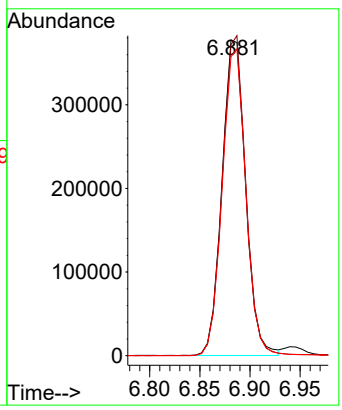


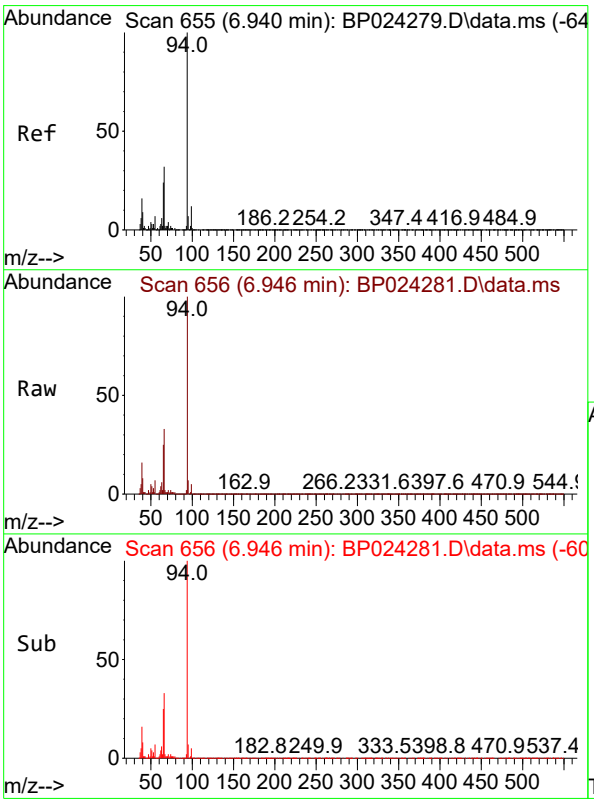
#9
Benzaldehyde
Concen: 50.755 ng
RT: 6.881 min Scan# 64
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 617878

Ion	Ratio	Lower	Upper
77	100		
105	98.5	79.2	119.2
106	94.7	76.2	116.2

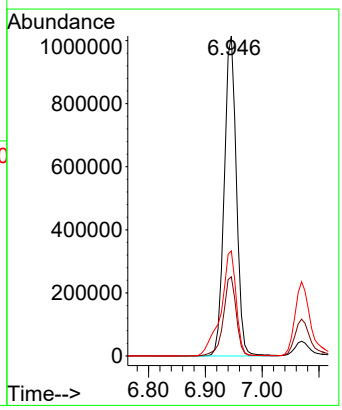


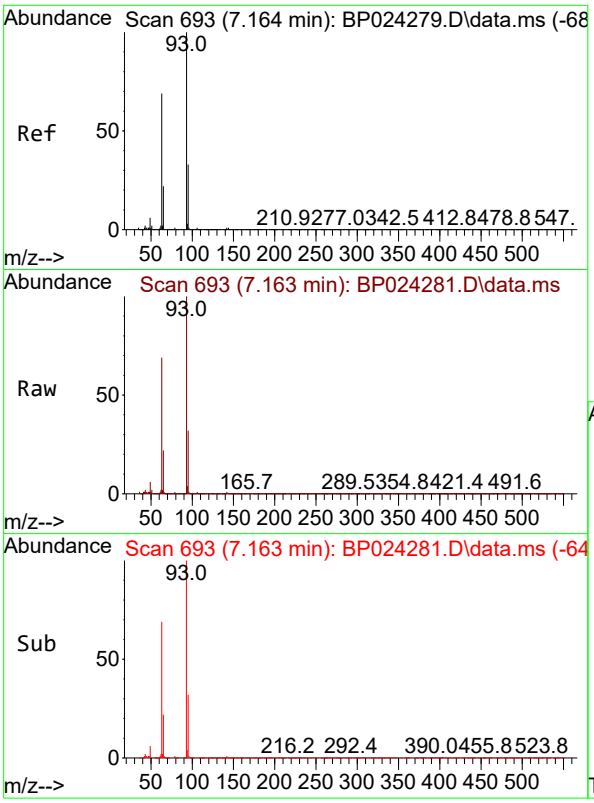


#10
Phenol
Concen: 64.123 ng
RT: 6.946 min Scan# 656
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 94 Resp: 1513303

Ion	Ratio	Lower	Upper
94	100		
65	24.8	4.5	44.5
66	32.8	12.4	52.4



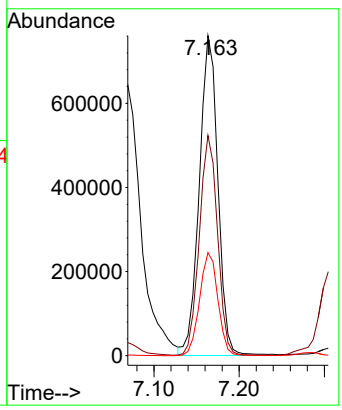


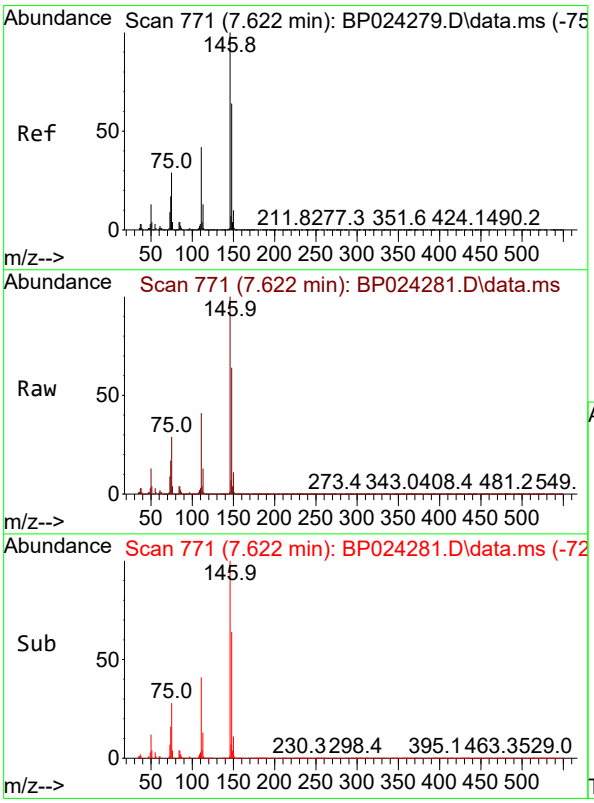
#11
bis(2-Chloroethyl)ether
Concen: 60.579 ng
RT: 7.163 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 1155297

Ion	Ratio	Lower	Upper
93	100		
63	68.8	48.6	88.6
95	32.2	12.3	52.3

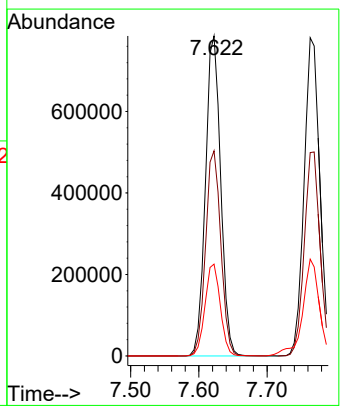


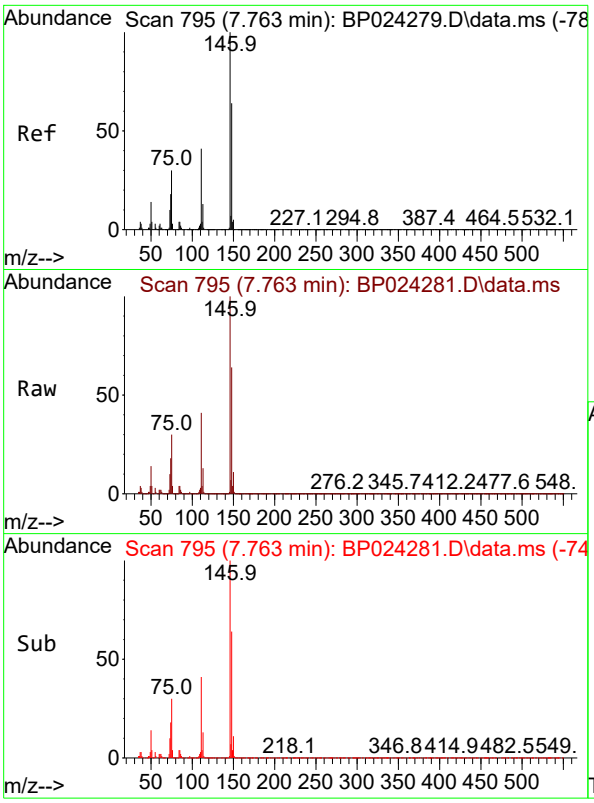


#12
1,3-Dichlorobenzene
Concen: 58.589 ng
RT: 7.622 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:146 Resp: 1218832

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.4	77.0
75	28.7	22.9	34.3



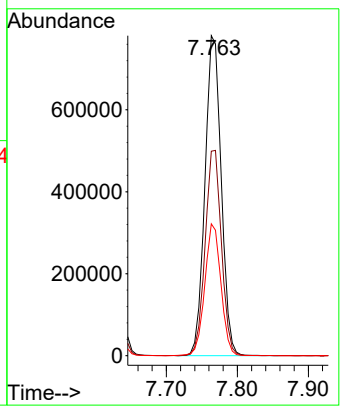


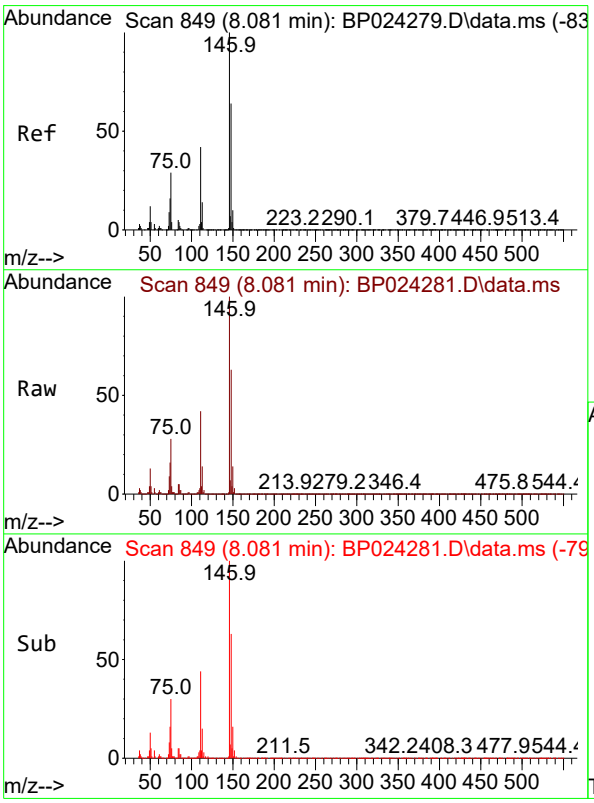
#13
1,4-Dichlorobenzene
Concen: 58.981 ng
RT: 7.763 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 1244205

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.1	76.7
111	41.2	32.6	48.8

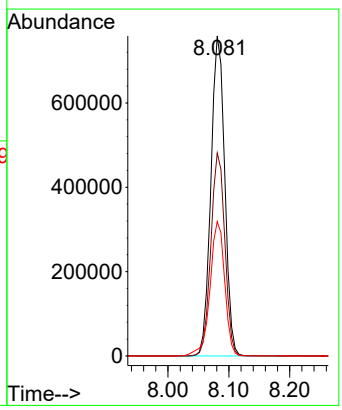


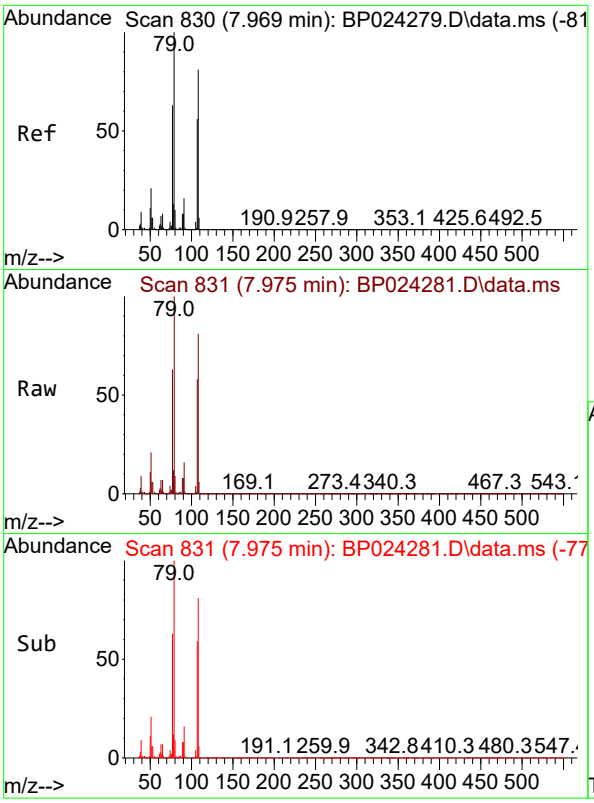


#14
1,2-Dichlorobenzene
Concen: 58.830 ng
RT: 8.081 min Scan# 849
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:146 Resp: 1199988

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.0	76.4
111	42.0	33.8	50.8



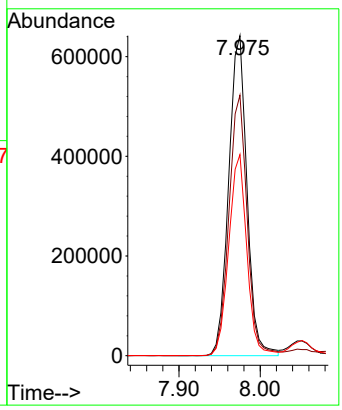


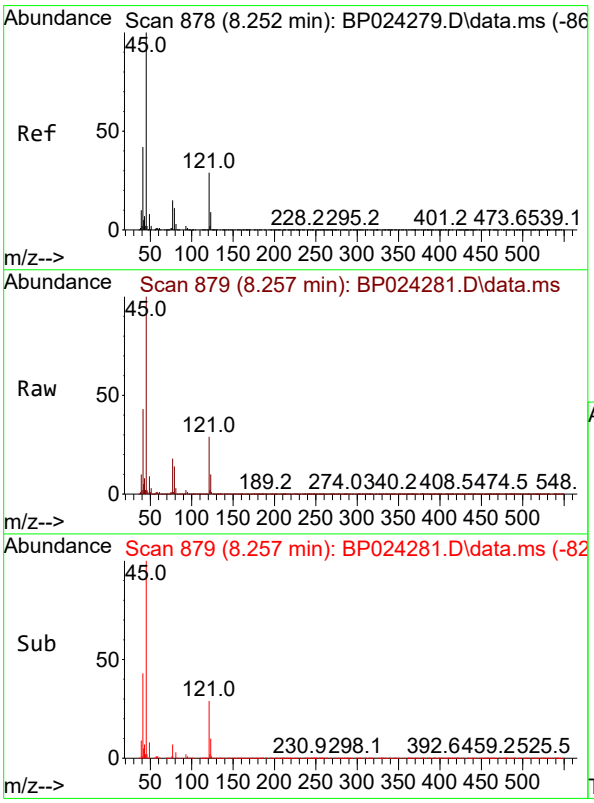
#15
Benzyl Alcohol
Concen: 66.533 ng
RT: 7.975 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 1002308

Ion	Ratio	Lower	Upper
79	100		
108	81.4	65.1	97.7
77	62.9	50.7	76.1

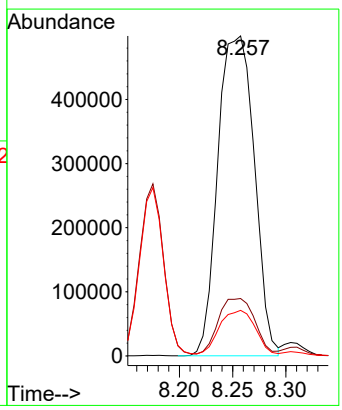


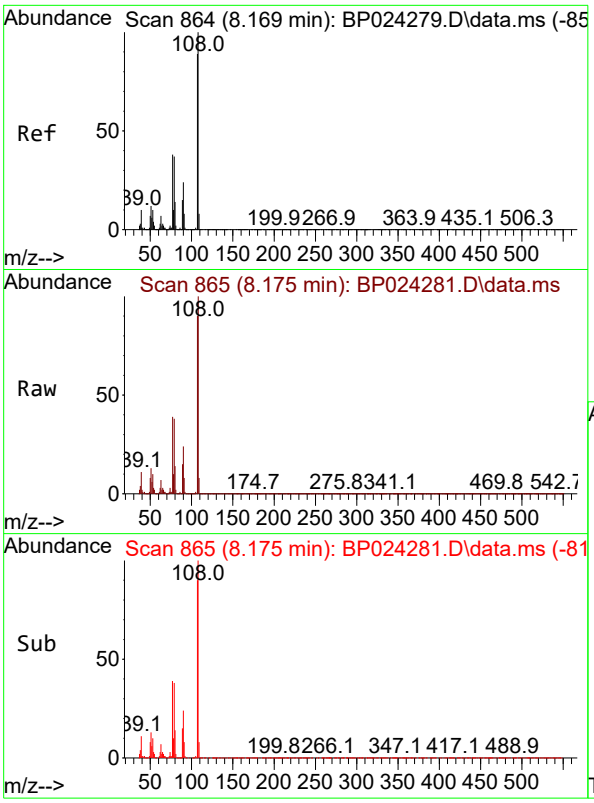


#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.259 ng
RT: 8.257 min Scan# 879
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 45 Resp: 1187992

Ion	Ratio	Lower	Upper
45	100		
77	17.9	0.0	37.7
79	14.3	0.0	33.5



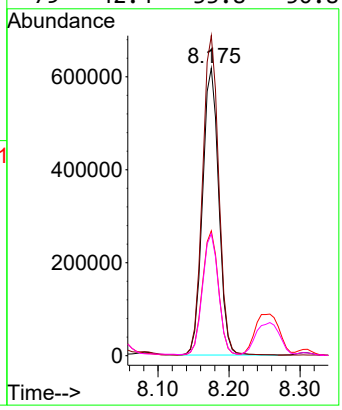


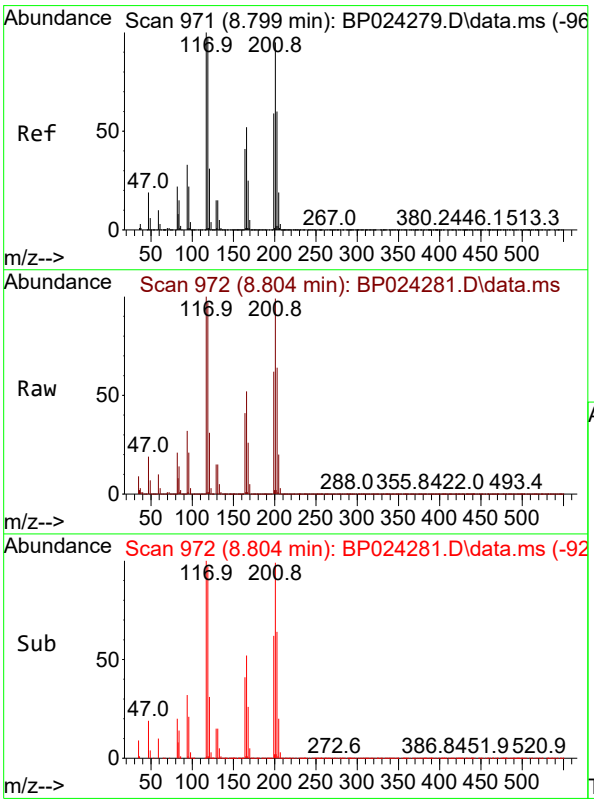
#17
2-Methylphenol
Concen: 64.342 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 978531

Ion	Ratio	Lower	Upper
107	100		
108	111.3	89.8	134.6
77	43.4	34.2	51.4
79	42.4	33.8	50.8

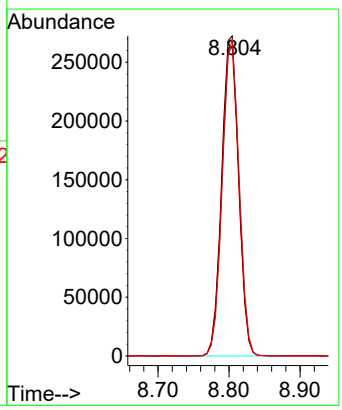


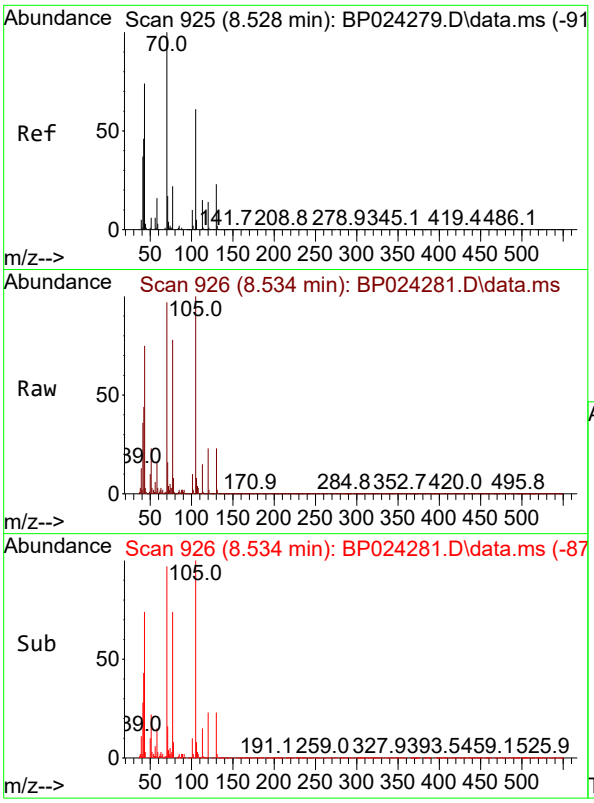


#18
Hexachloroethane
Concen: 59.545 ng
RT: 8.804 min Scan# 972
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:117 Resp: 453349

Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.8	116.6
201	99.1	75.9	113.9



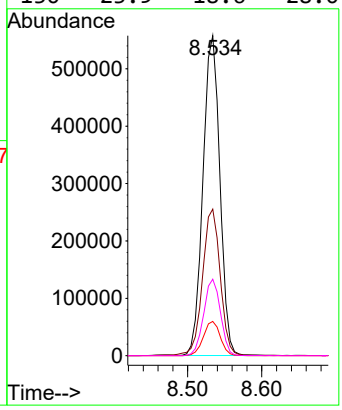


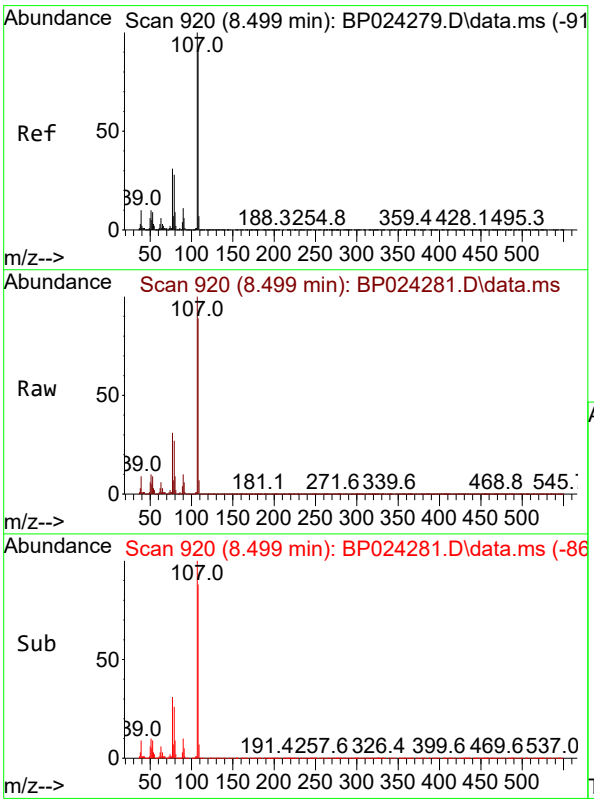
#19
n-Nitroso-di-n-propylamine
Concen: 60.486 ng
RT: 8.534 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 883042

Ion	Ratio	Lower	Upper
70	100		
42	45.8	37.3	55.9
101	10.7	8.2	12.4
130	23.9	18.6	28.0

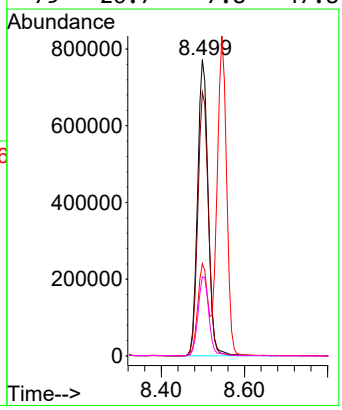


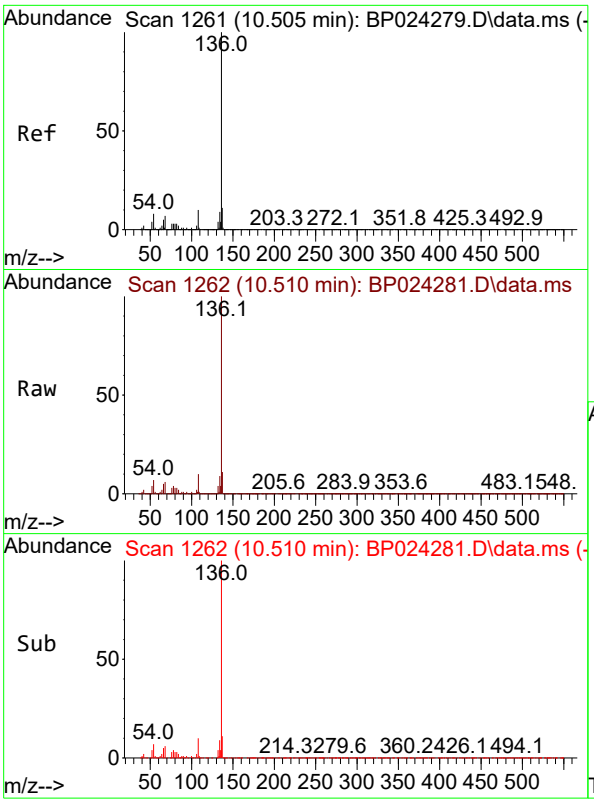


#20
3+4-Methylphenols
Concen: 64.895 ng
RT: 8.499 min Scan# 920
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:107 Resp: 1367005

Ion	Ratio	Lower	Upper
107	100		
108	89.0	69.8	109.8
77	31.1	11.5	51.5
79	26.7	7.8	47.8



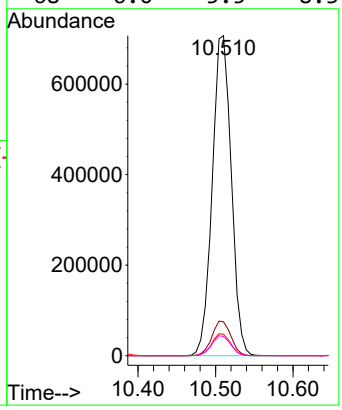


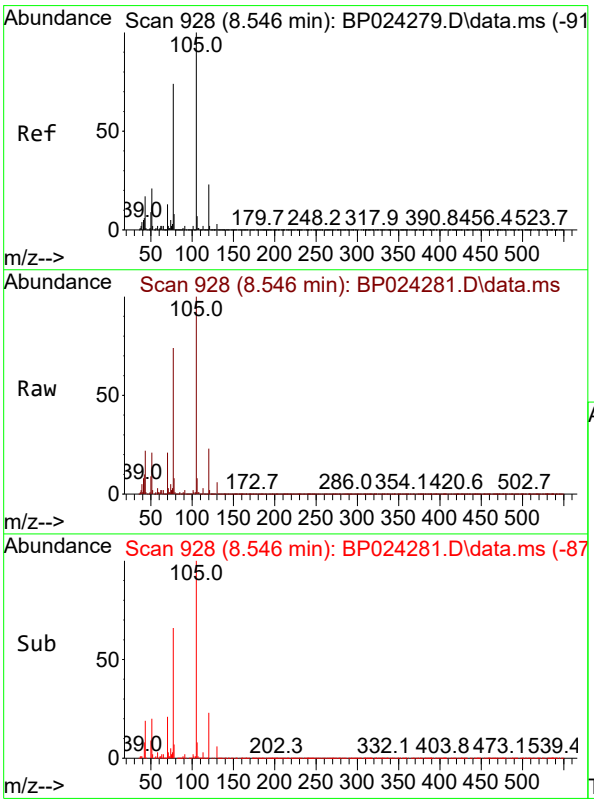
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.510 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 1206231

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	6.7	6.0	9.0
68	6.0	5.5	8.3

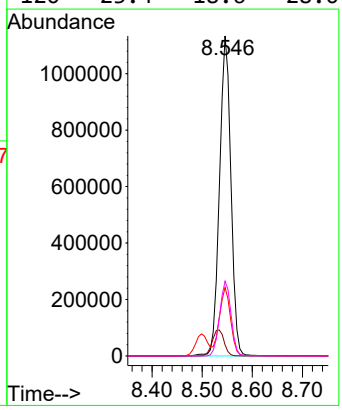


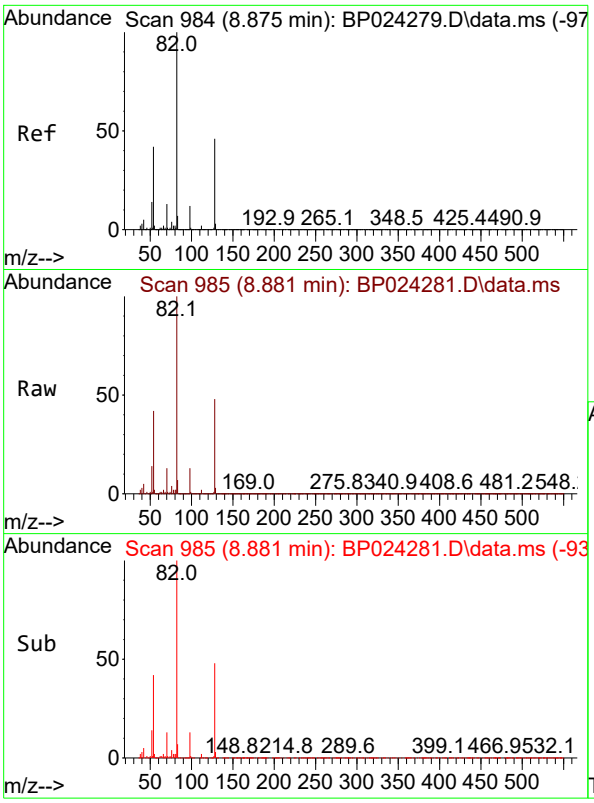


#22
Acetophenone
Concen: 59.797 ng
RT: 8.546 min Scan# 928
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:105 Resp: 1792666

Ion	Ratio	Lower	Upper
105	100		
71	3.4	1.7	2.5#
51	21.4	16.9	25.3
120	23.4	18.6	28.0



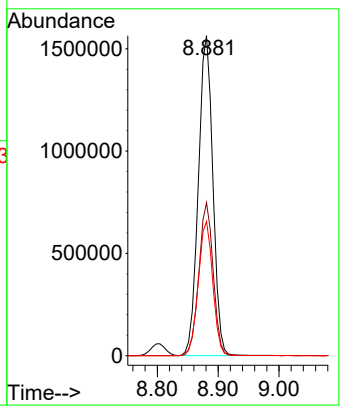


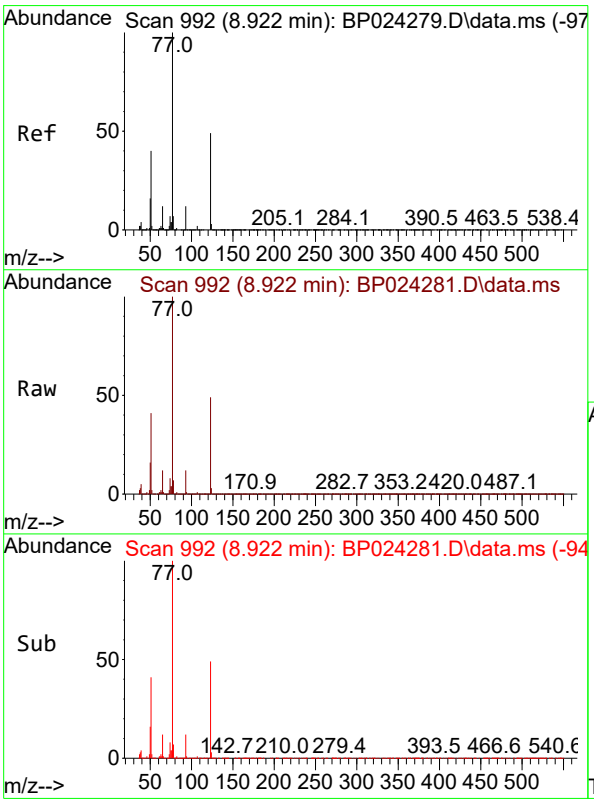
#23
Nitrobenzene-d5
Concen: 121.729 ng
RT: 8.881 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2579126

Ion	Ratio	Lower	Upper
82	100		
128	47.8	36.5	54.7
54	41.9	33.4	50.2

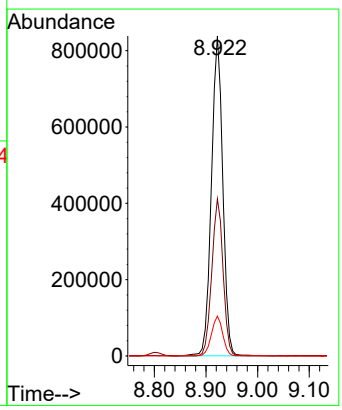


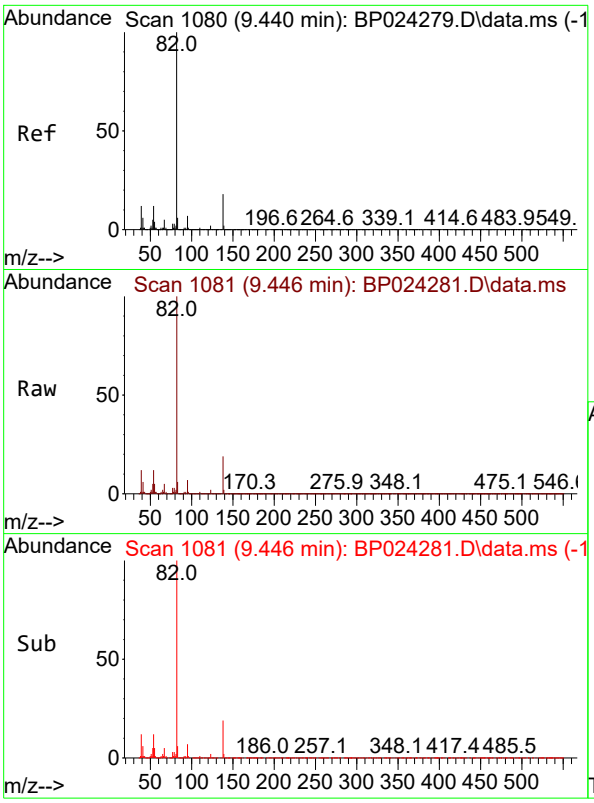


#24
Nitrobenzene
Concen: 60.775 ng
RT: 8.922 min Scan# 992
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 77 Resp: 1276229

Ion	Ratio	Lower	Upper
77	100		
123	49.1	39.2	58.8
65	12.4	9.8	14.6



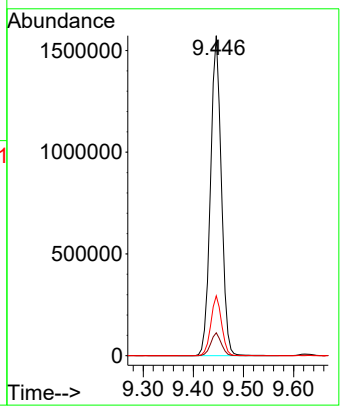


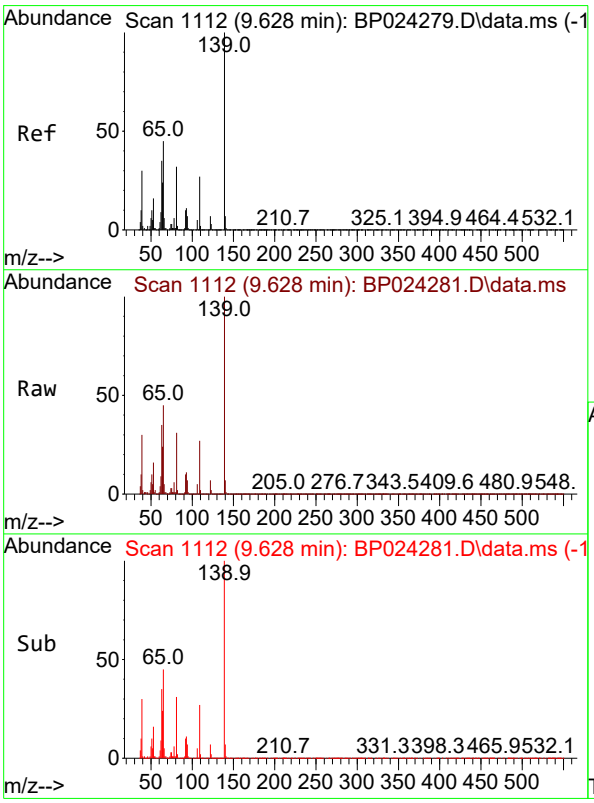
#25
Isophorone
Concen: 61.842 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2365423

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.4	8.2
138	18.7	14.4	21.6

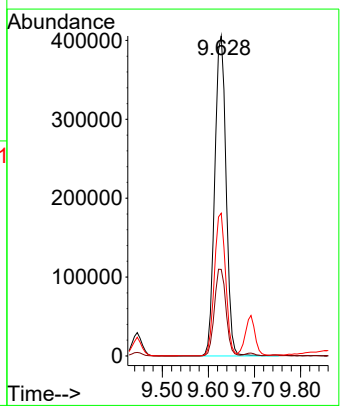


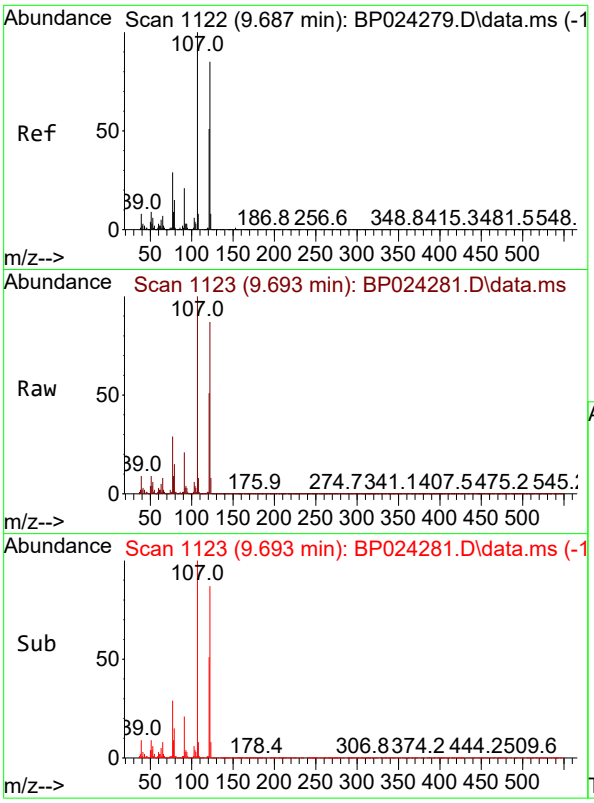


#26
2-Nitrophenol
Concen: 68.504 ng
RT: 9.628 min Scan# 1112
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:139 Resp: 690735

Ion	Ratio	Lower	Upper
139	100		
109	27.1	21.8	32.6
65	44.6	36.2	54.2



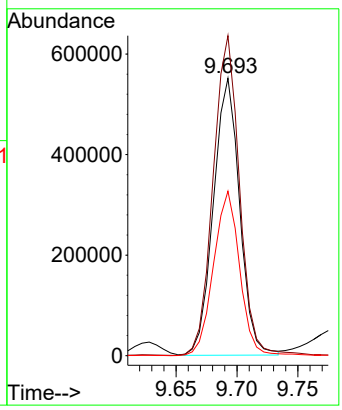


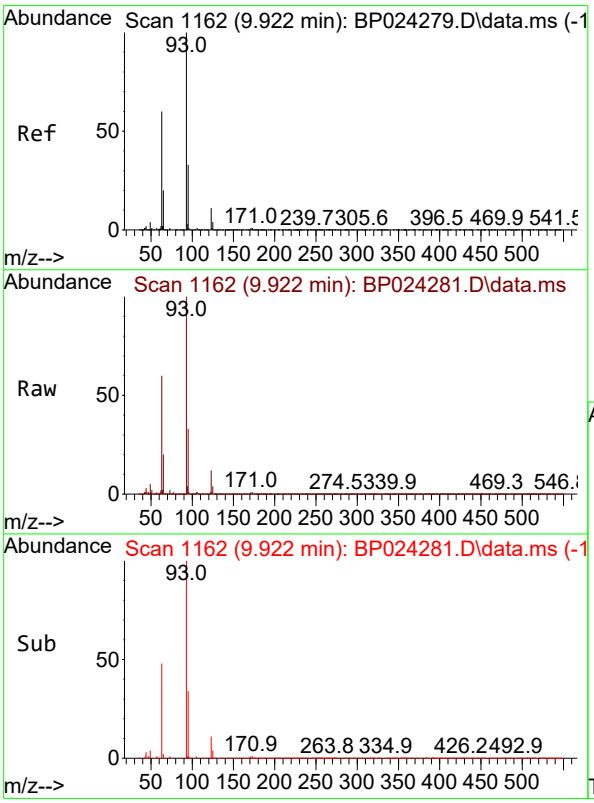
#27
2,4-Dimethylphenol
Concen: 64.660 ng
RT: 9.693 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 826335

Ion	Ratio	Lower	Upper
122	100		
107	115.3	93.7	140.5
121	59.3	48.2	72.2

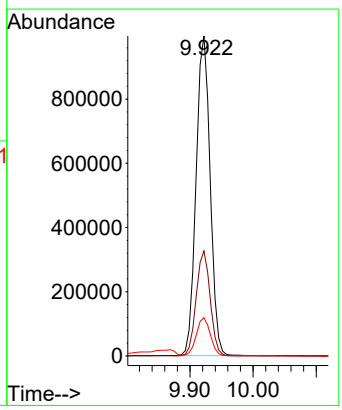


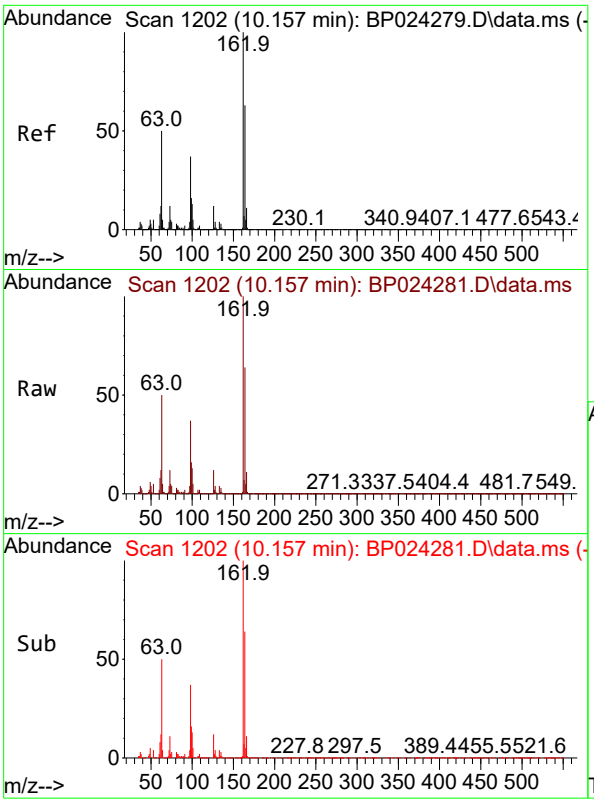


#28
bis(2-Chloroethoxy)methane
Concen: 59.124 ng
RT: 9.922 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 93 Resp: 1539129

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.0	39.0
123	11.9	9.1	13.7



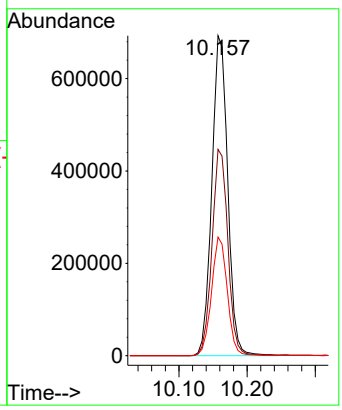


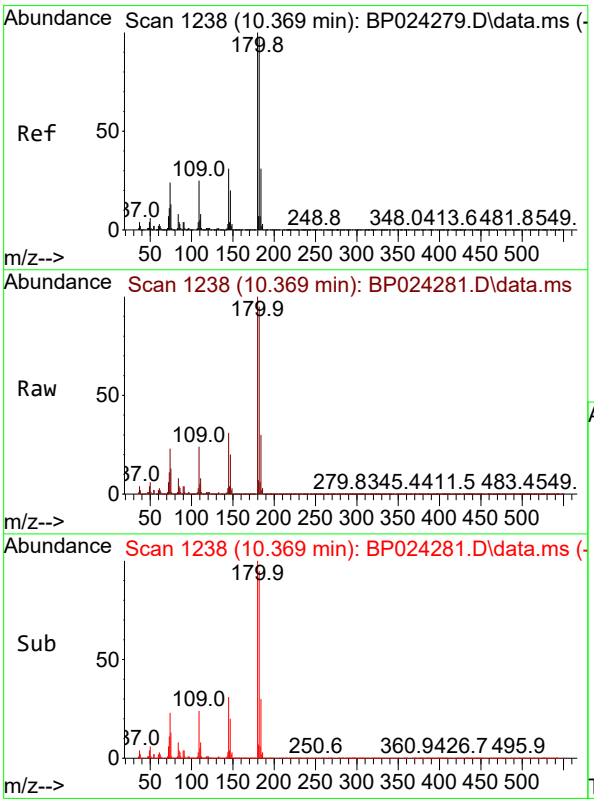
#29
2,4-Dichlorophenol
Concen: 64.543 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 1124170

Ion	Ratio	Lower	Upper
162	100		
164	64.5	43.3	83.3
98	37.0	16.6	56.6

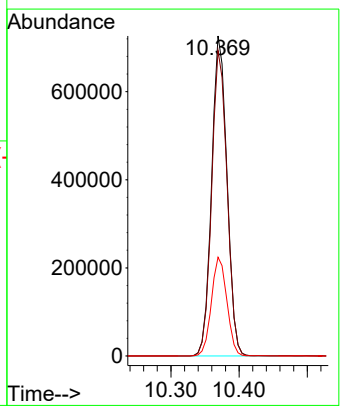


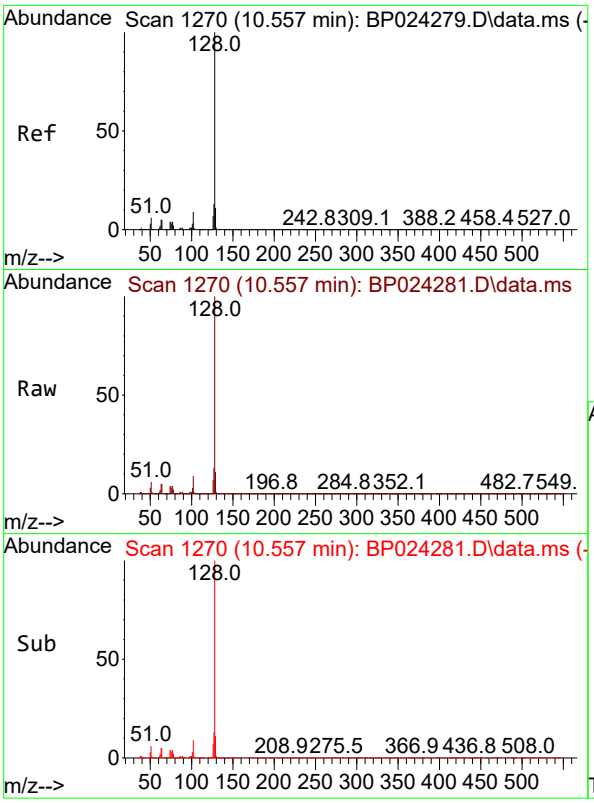


#30
1,2,4-Trichlorobenzene
Concen: 60.440 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:180 Resp: 1138896

Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.3	115.9
145	30.8	25.1	37.7



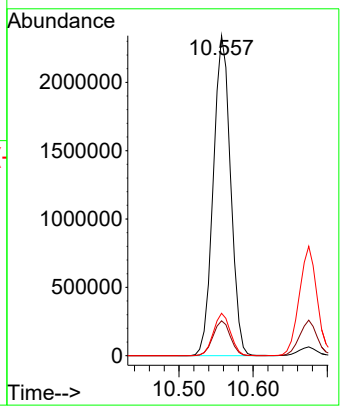


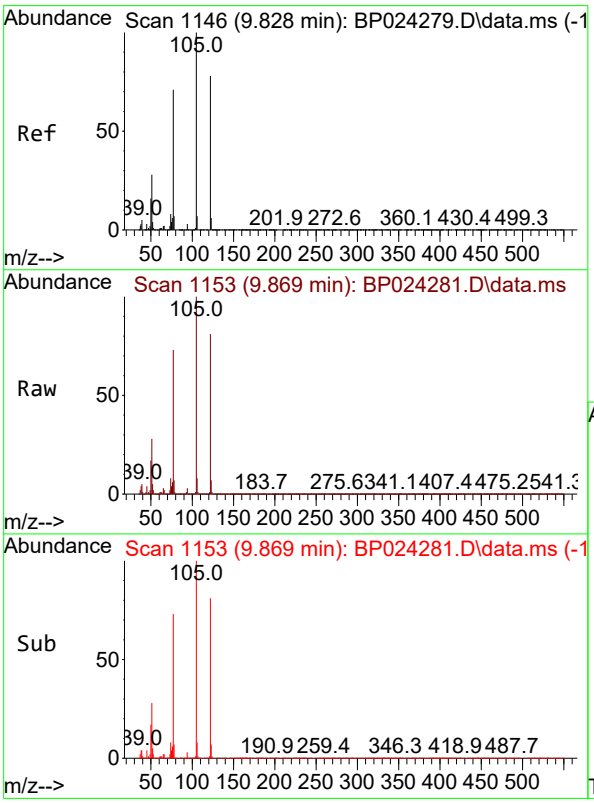
#31
Naphthalene
Concen: 59.373 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 3790924

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	13.2	10.3	15.5

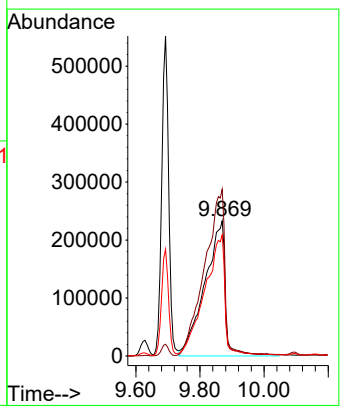


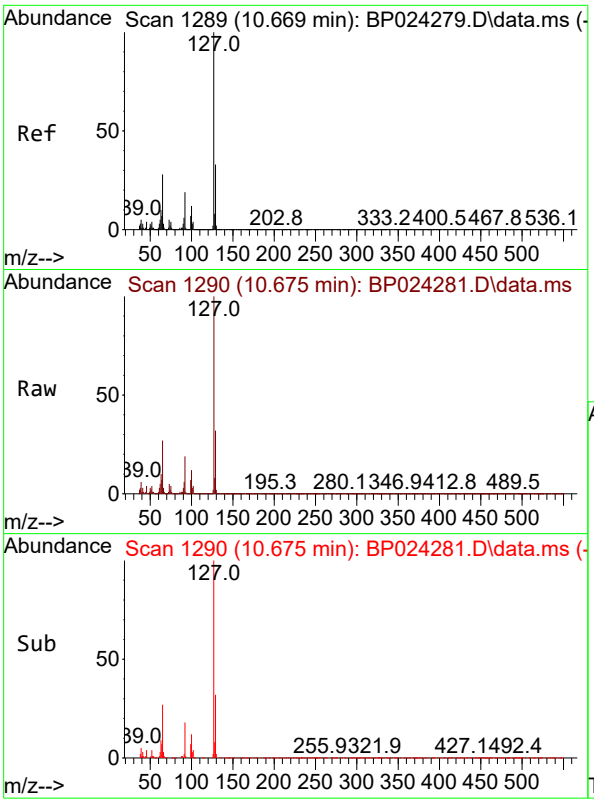


#32
Benzoic acid
Concen: 74.795 ng m
RT: 9.869 min Scan# 1153
Delta R.T. 0.041 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:122 Resp: 1032910

Ion	Ratio	Lower	Upper
122	100		
105	123.4	104.8	144.8
77	89.7	69.2	109.2



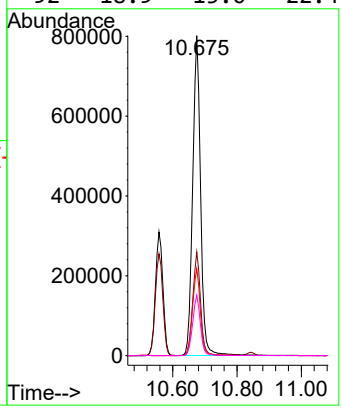


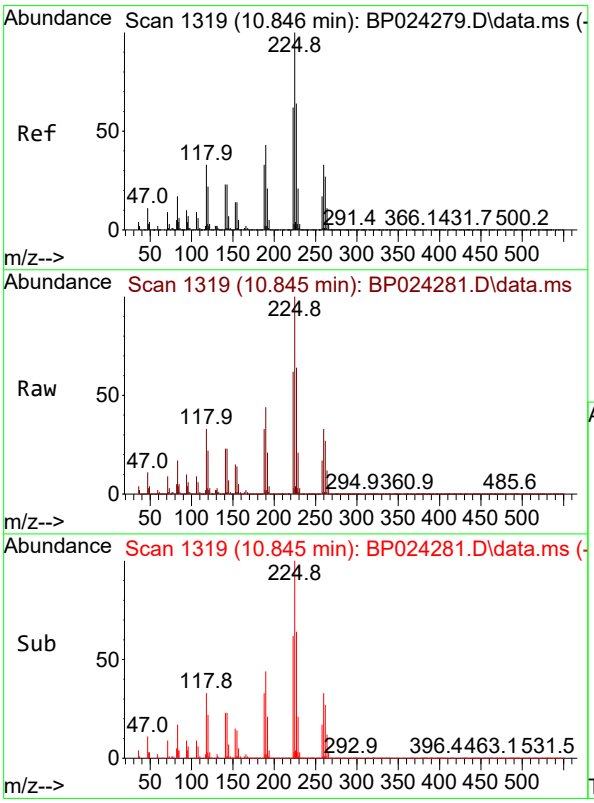
#33
4-Chloroaniline
Concen: 61.527 ng
RT: 10.675 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 1372601

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.1	39.1
65	27.2	22.1	33.1
92	18.9	15.0	22.4

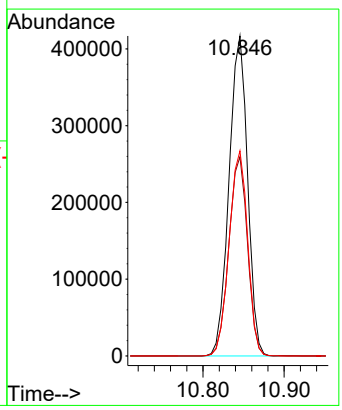


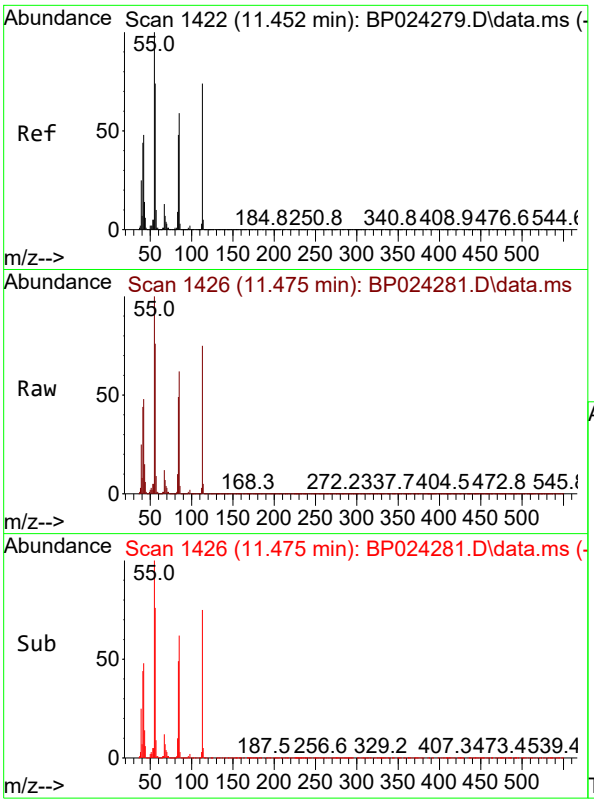


#34
Hexachlorobutadiene
Concen: 59.719 ng
RT: 10.845 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:225 Resp: 660129

Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.5	74.3
227	64.1	50.9	76.3



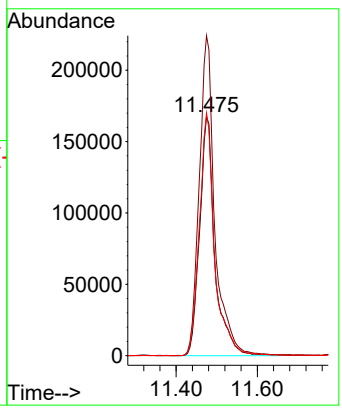


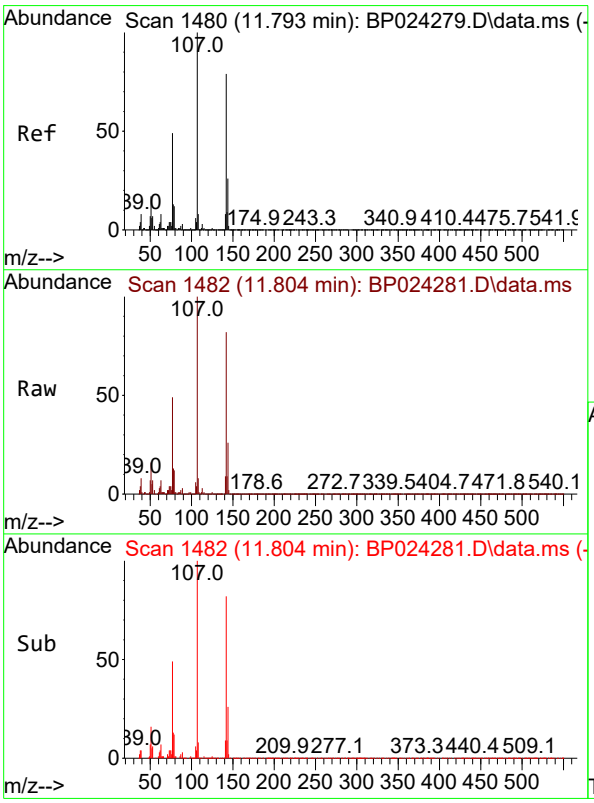
#35
Caprolactam
Concen: 68.445 ng
RT: 11.475 min Scan# 14
Delta R.T. 0.023 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 437691

Ion	Ratio	Lower	Upper
113	100		
55	134.0	115.9	155.9
56	101.6	81.1	121.1

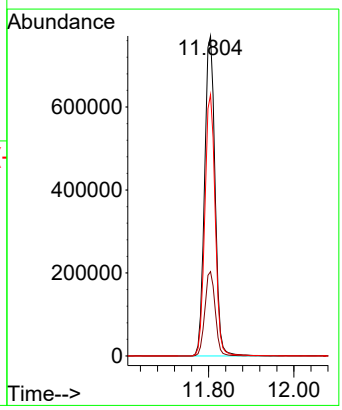


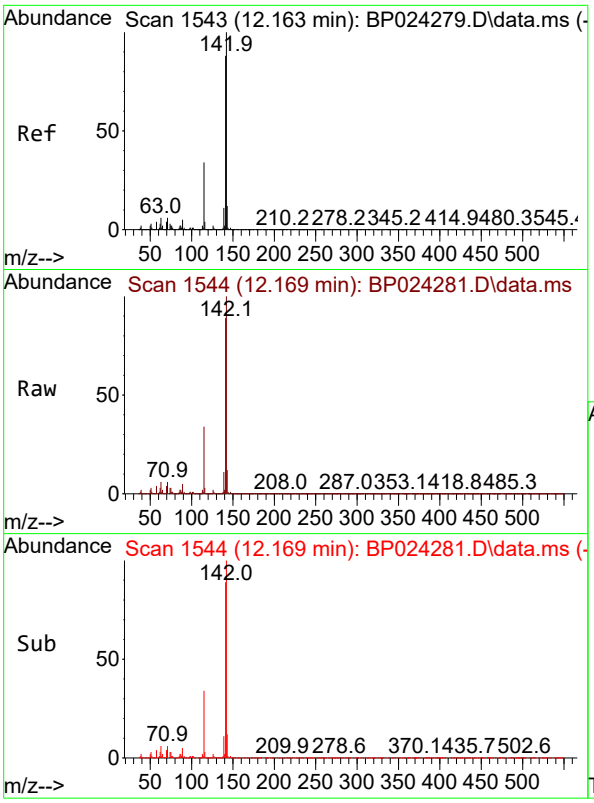


#36
4-Chloro-3-methylphenol
Concen: 64.762 ng
RT: 11.804 min Scan# 1482
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:107 Resp: 1314421

Ion	Ratio	Lower	Upper
107	100		
144	26.3	20.5	30.7
142	81.7	63.4	95.2



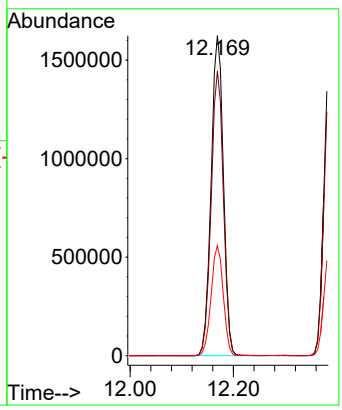


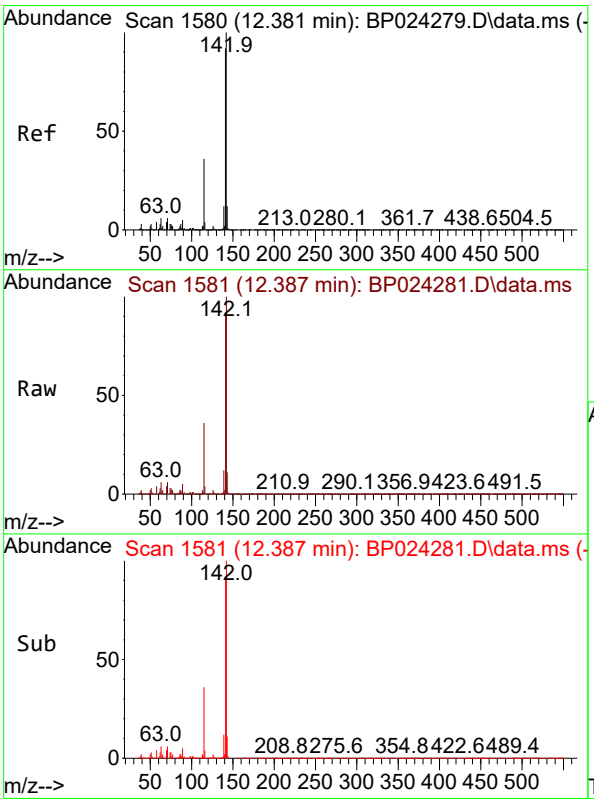
#37
2-Methylnaphthalene
Concen: 60.487 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 2676555

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.3	105.5
115	34.4	26.9	40.3

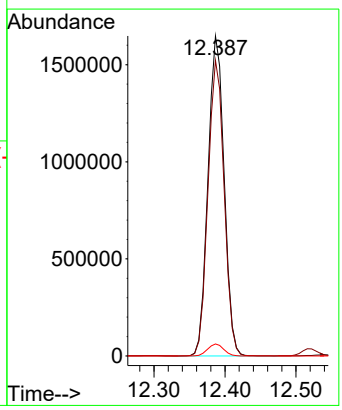


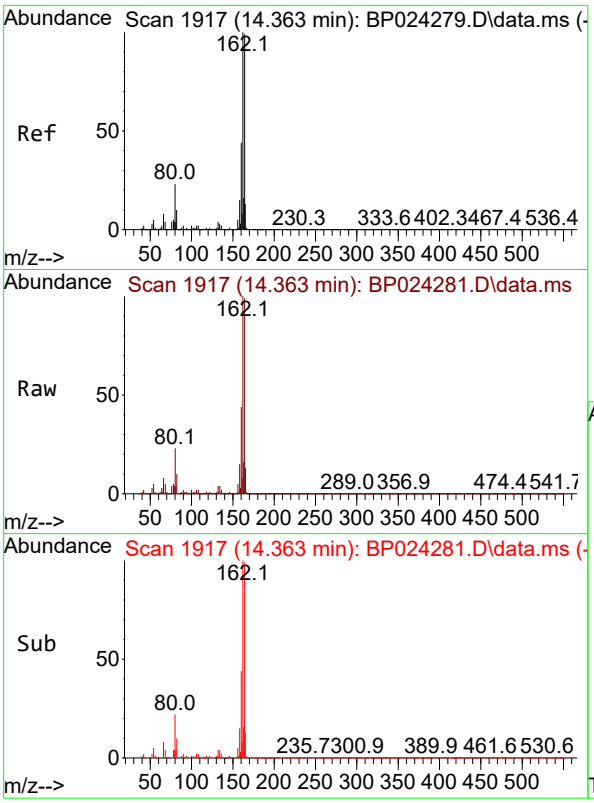


#38
1-Methylnaphthalene
Concen: 59.960 ng
RT: 12.387 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:142 Resp: 2599119

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.6	110.4
116	3.7	3.0	4.6



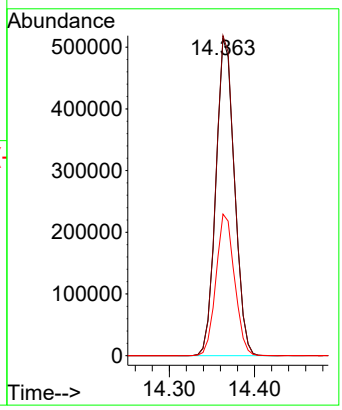


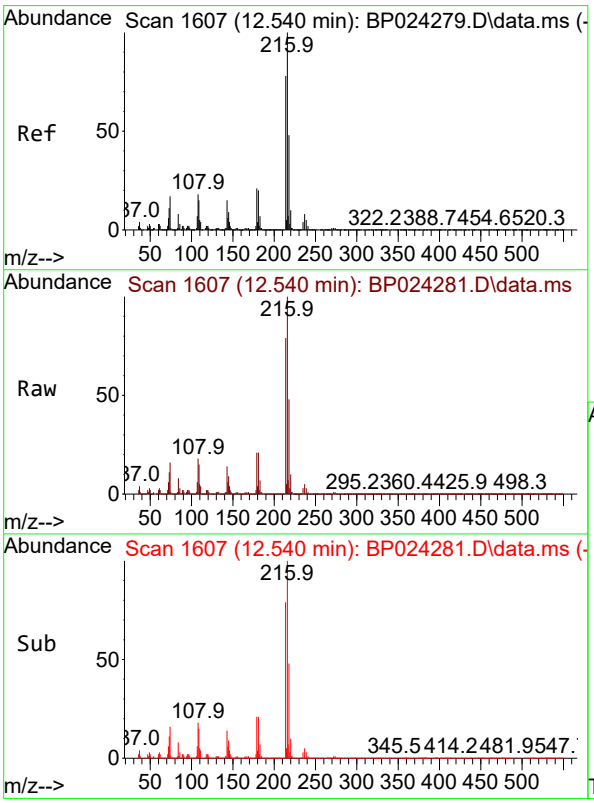
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 777459

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	120.8
160	44.6	35.3	52.9

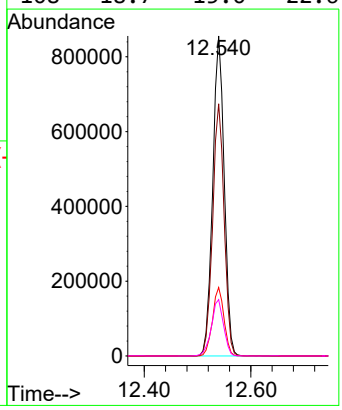


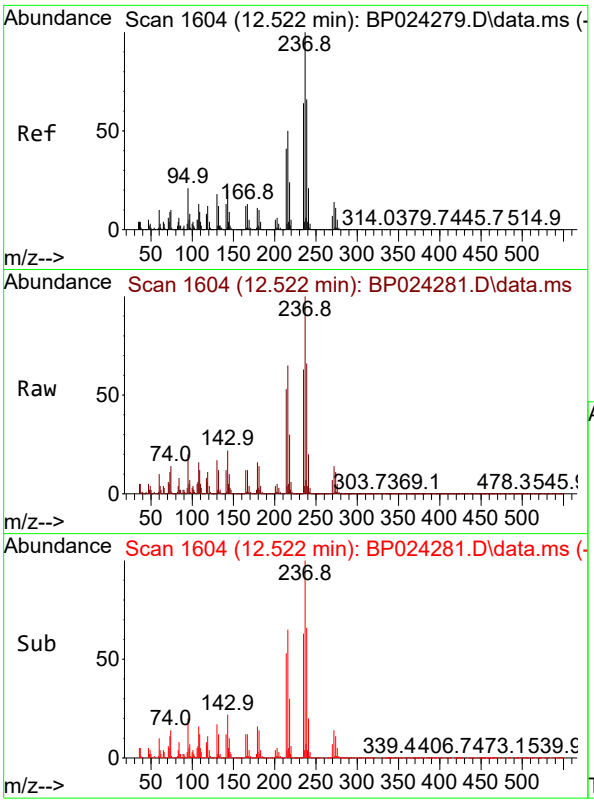


#40
1,2,4,5-Tetrachlorobenzene
Concen: 59.981 ng
RT: 12.540 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:216 Resp: 1281552

Ion	Ratio	Lower	Upper
216	100		
214	78.7	62.6	93.8
179	21.4	17.2	25.8
108	18.7	15.0	22.6



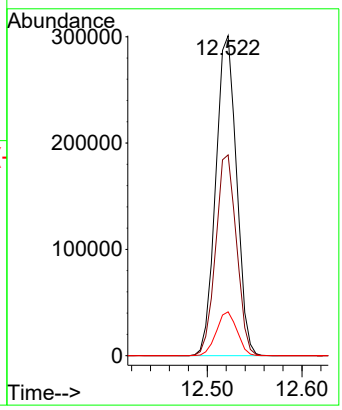


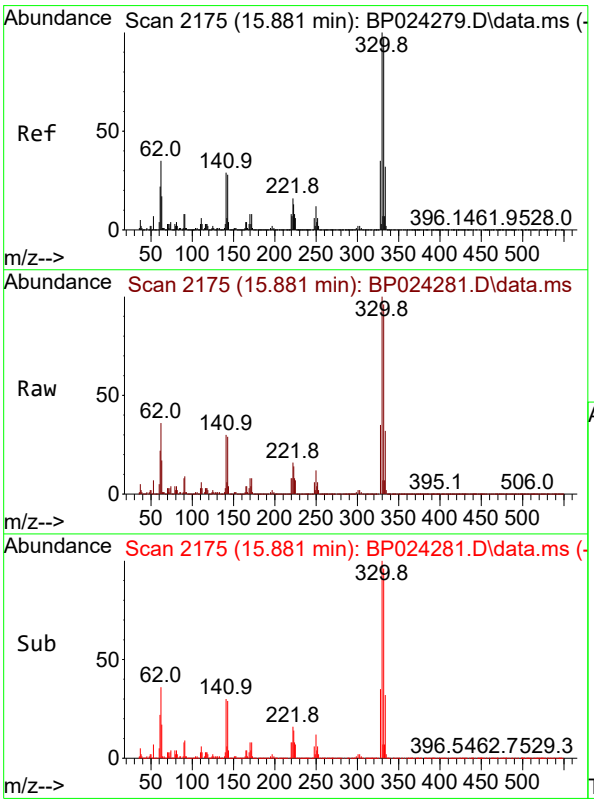
#41
Hexachlorocyclopentadiene
Concen: 61.257 ng
RT: 12.522 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 459486

Ion	Ratio	Lower	Upper
237	100		
235	62.7	43.9	83.9
272	13.7	0.0	33.6

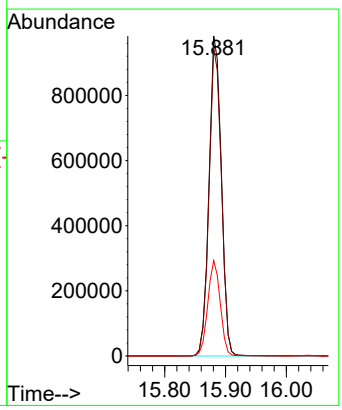


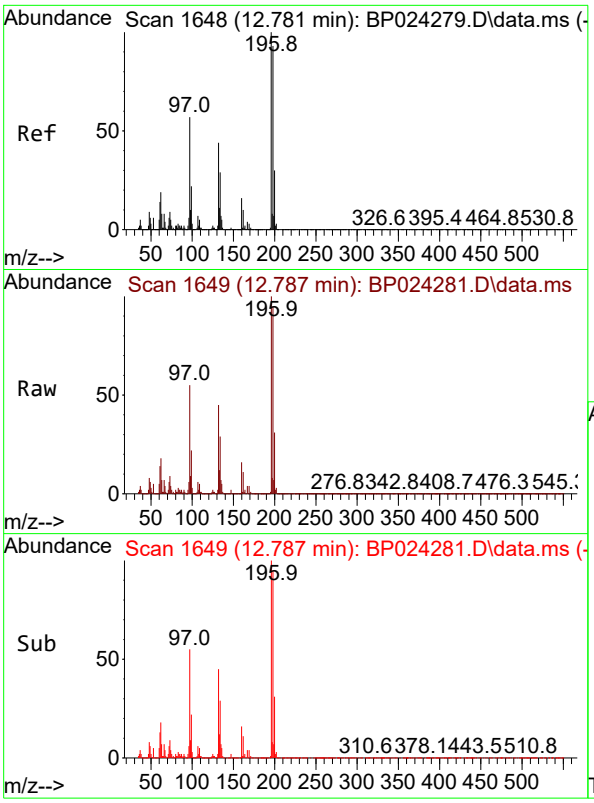


#42
2,4,6-Tribromophenol
Concen: 129.818 ng
RT: 15.881 min Scan# 2175
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:330 Resp: 1382037

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.1	115.7
141	30.0	24.7	37.1



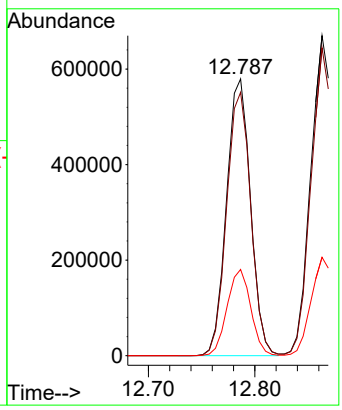


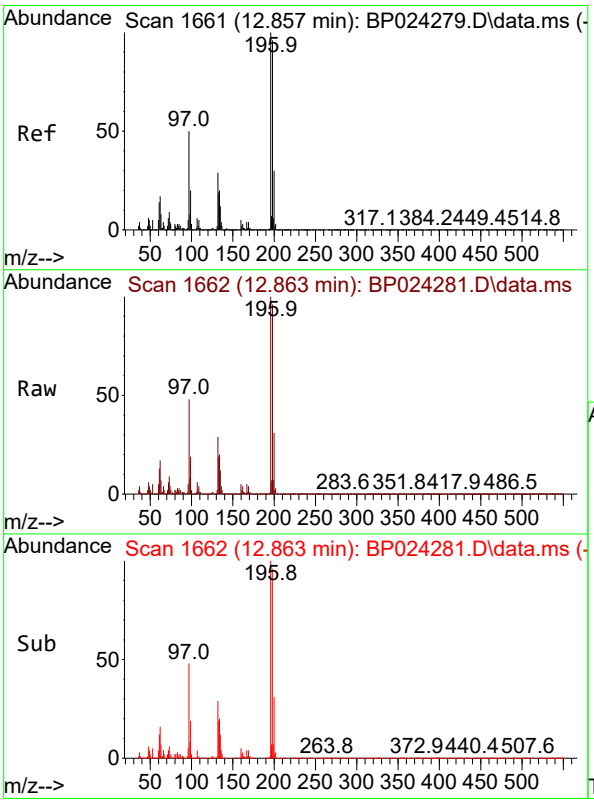
#43
2,4,6-Trichlorophenol
Concen: 64.732 ng
RT: 12.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 909999

Ion	Ratio	Lower	Upper
196	100		
198	95.1	74.3	111.5
200	31.2	24.0	36.0

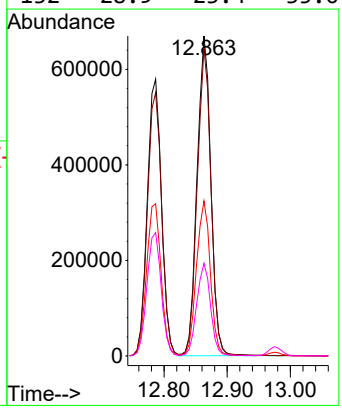


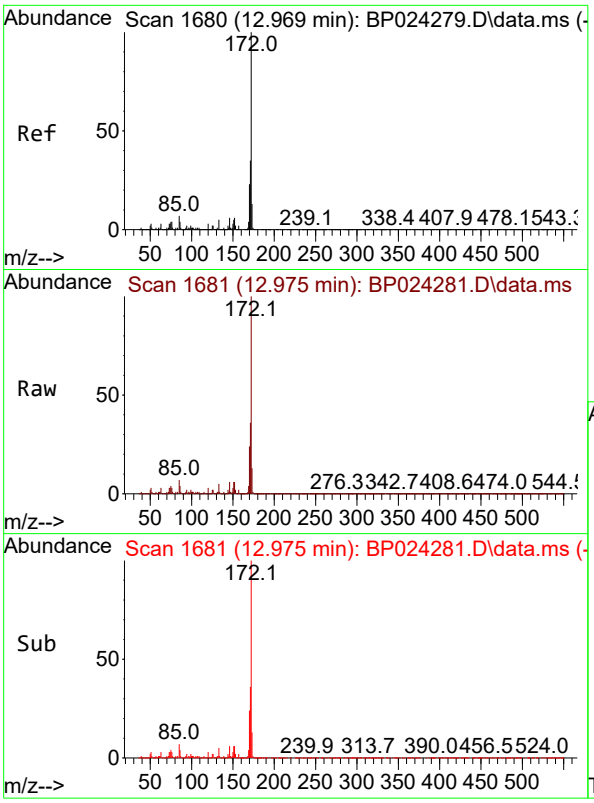


#44
2,4,5-Trichlorophenol
Concen: 65.306 ng
RT: 12.863 min Scan# 1662
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:196 Resp: 1017414

Ion	Ratio	Lower	Upper
196	100		
198	96.2	77.3	115.9
97	48.5	40.4	60.6
132	28.9	23.4	35.0



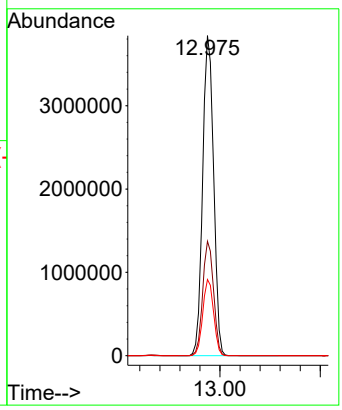


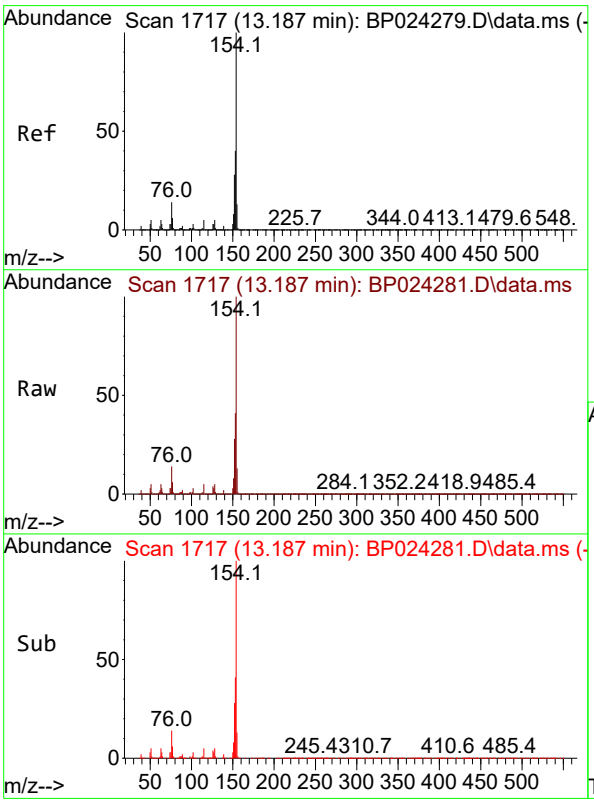
#45
2-Fluorobiphenyl
Concen: 113.964 ng
RT: 12.975 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 5835791

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.2	42.2
170	23.8	18.6	27.8

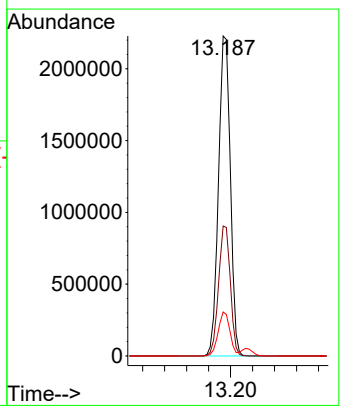


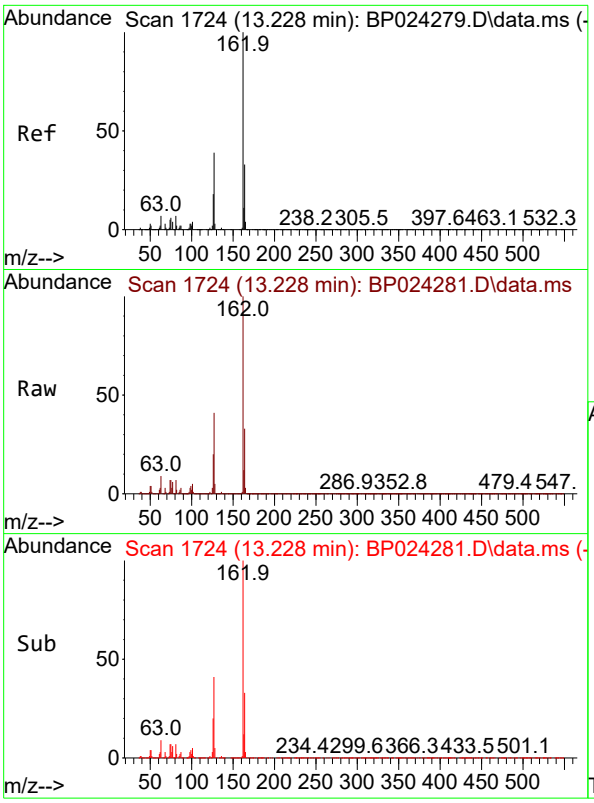


#46
1,1'-Biphenyl
Concen: 58.001 ng
RT: 13.187 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:154 Resp: 3330176

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.3	60.3
76	13.8	0.0	33.5



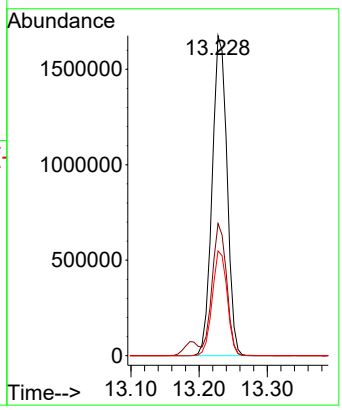


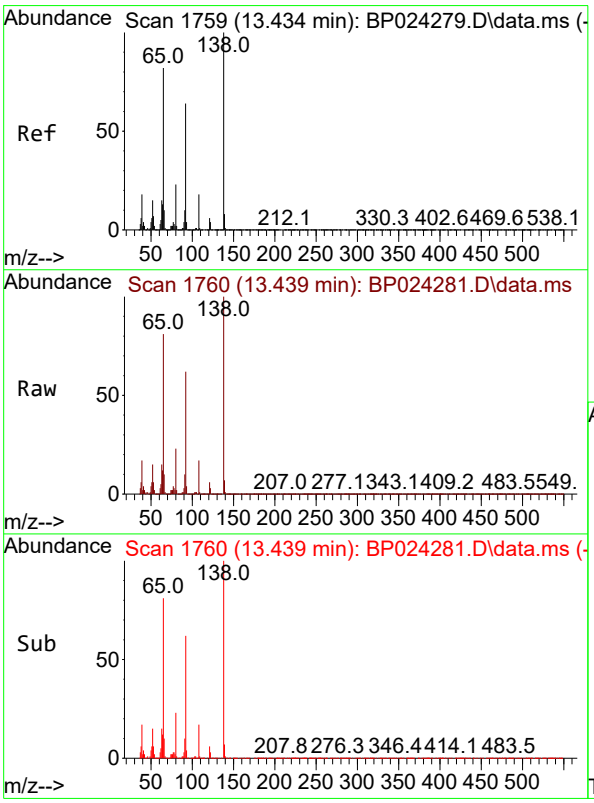
#47
2-Chloronaphthalene
Concen: 59.336 ng
RT: 13.228 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 2542212

Ion	Ratio	Lower	Upper
162	100		
127	41.3	31.9	47.9
164	32.8	26.2	39.4

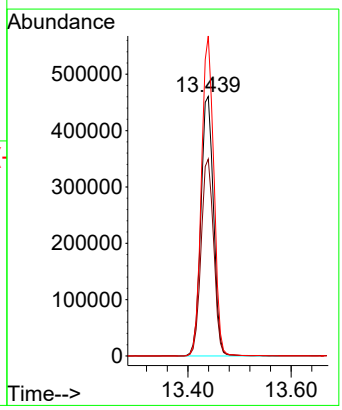


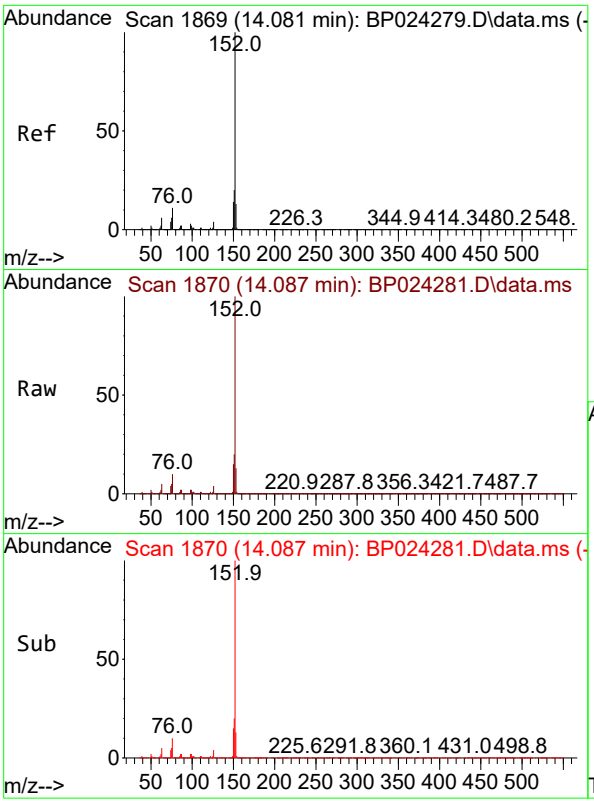


#48
2-Nitroaniline
Concen: 66.042 ng
RT: 13.439 min Scan# 1760
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 65 Resp: 781584

Ion	Ratio	Lower	Upper
65	100		
92	75.9	62.3	93.5
138	123.3	97.2	145.8



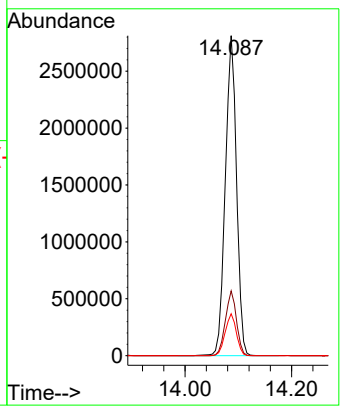


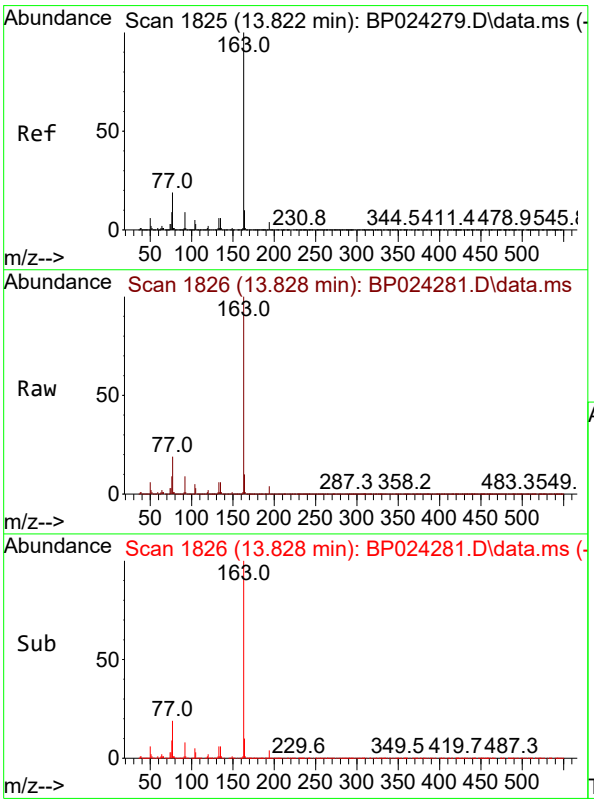
#49
Acenaphthylene
Concen: 61.143 ng
RT: 14.087 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 4111553

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9
153	13.1	10.6	15.8

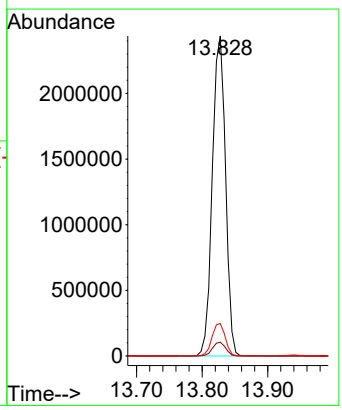


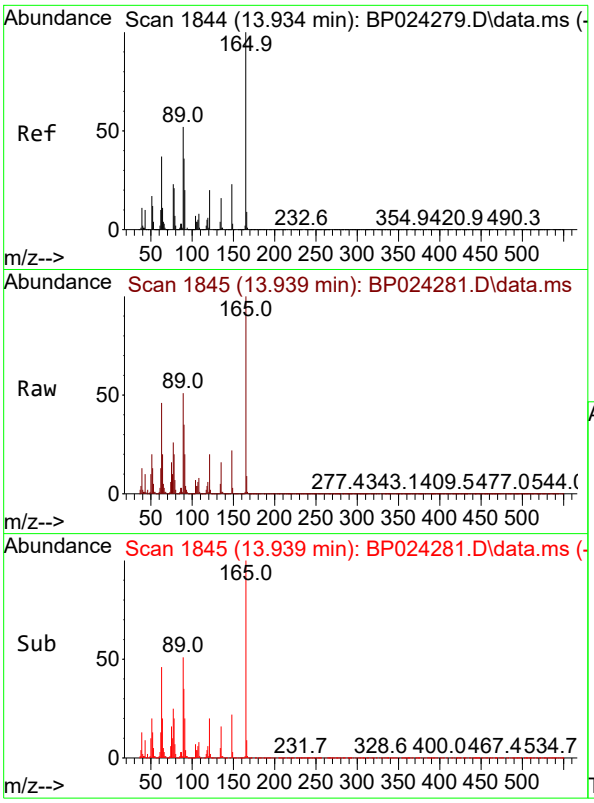


#50
Dimethylphthalate
Concen: 60.022 ng
RT: 13.828 min Scan# 1826
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:163 Resp: 3404463

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.1	8.0	12.0



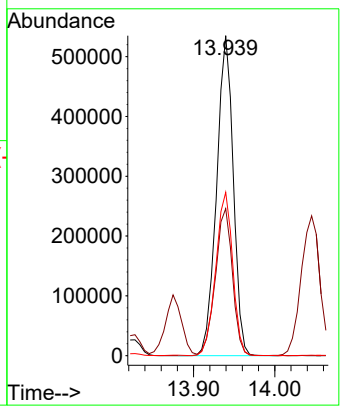


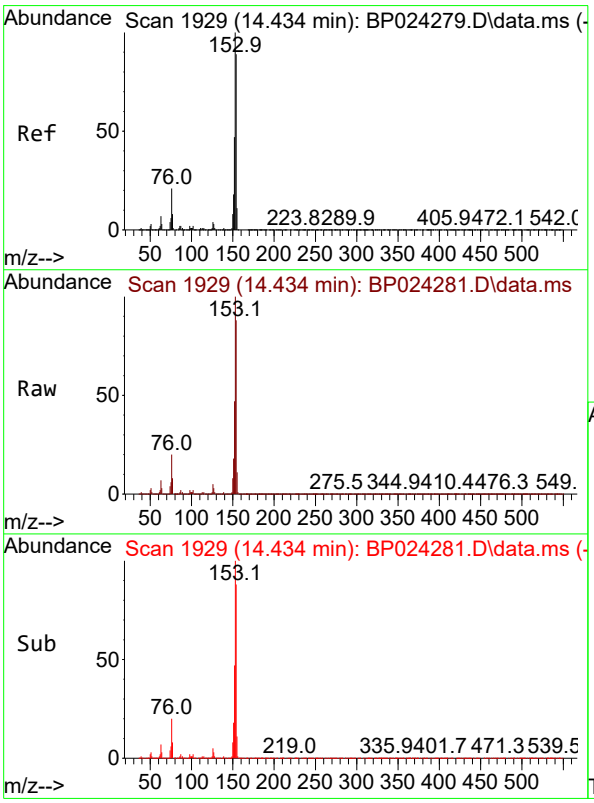
#51
2,6-Dinitrotoluene
Concen: 63.998 ng
RT: 13.939 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 764810

Ion	Ratio	Lower	Upper
165	100		
63	45.9	38.0	57.0
89	51.1	41.7	62.5

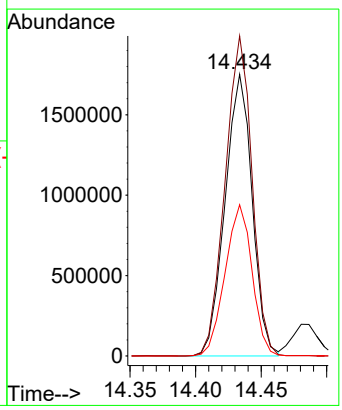


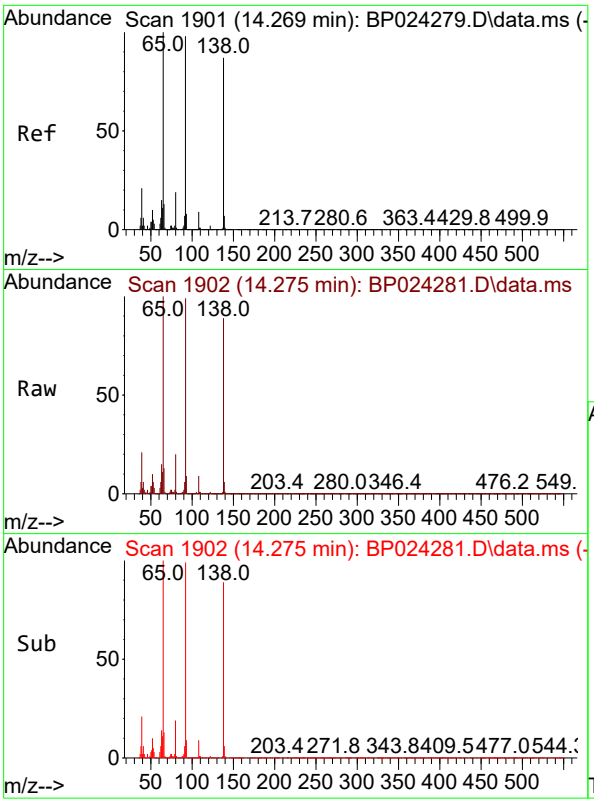


#52
Acenaphthene
Concen: 58.858 ng
RT: 14.434 min Scan# 1929
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:154 Resp: 2516981

Ion	Ratio	Lower	Upper
154	100		
153	113.6	89.8	134.6
152	53.7	42.6	63.8



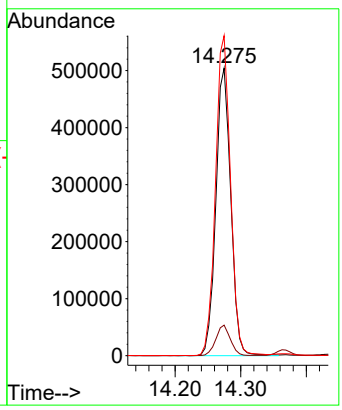


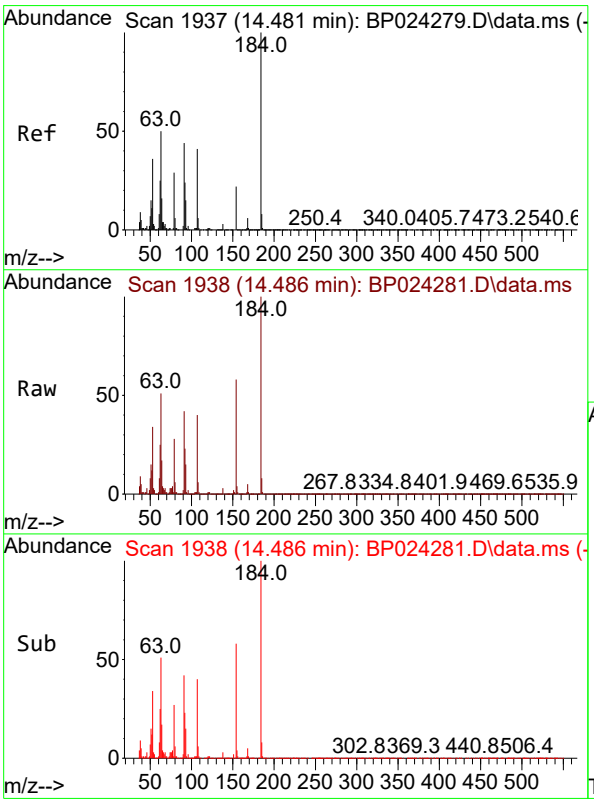
#53
3-Nitroaniline
Concen: 64.022 ng
RT: 14.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 793796

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.3	12.5
92	111.3	89.8	134.8

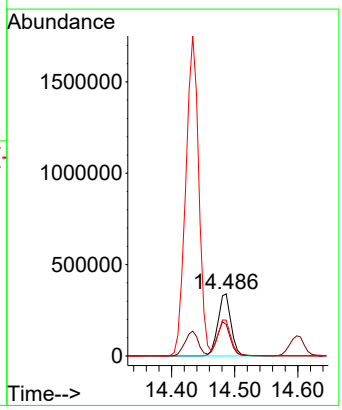


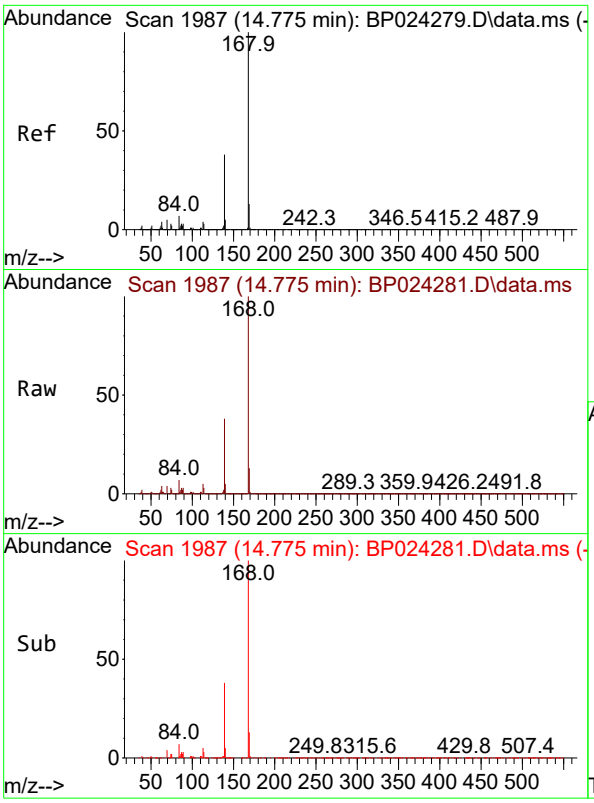


#54
2,4-Dinitrophenol
Concen: 76.655 ng
RT: 14.486 min Scan# 1938
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:184 Resp: 490497

Ion	Ratio	Lower	Upper
184	100		
63	50.8	42.6	64.0
154	57.7	47.2	70.8



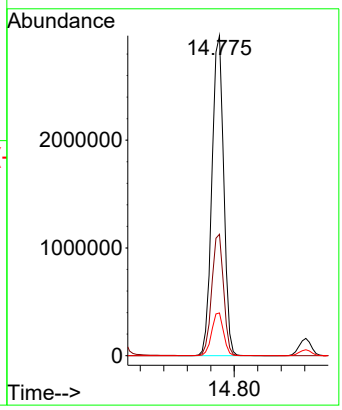


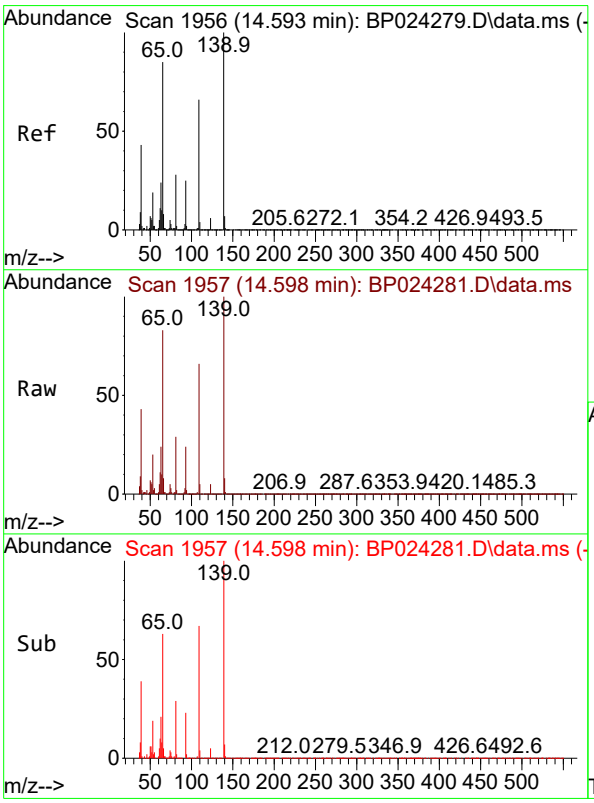
#55
Dibenzofuran
Concen: 58.810 ng
RT: 14.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 4124640

Ion	Ratio	Lower	Upper
168	100		
139	37.9	30.3	45.5
169	13.3	10.6	16.0

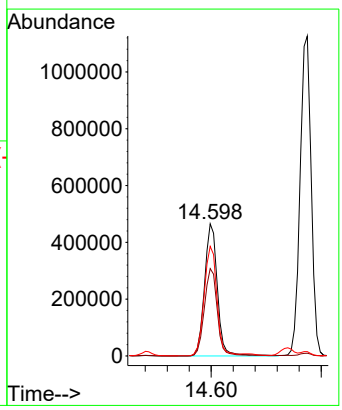


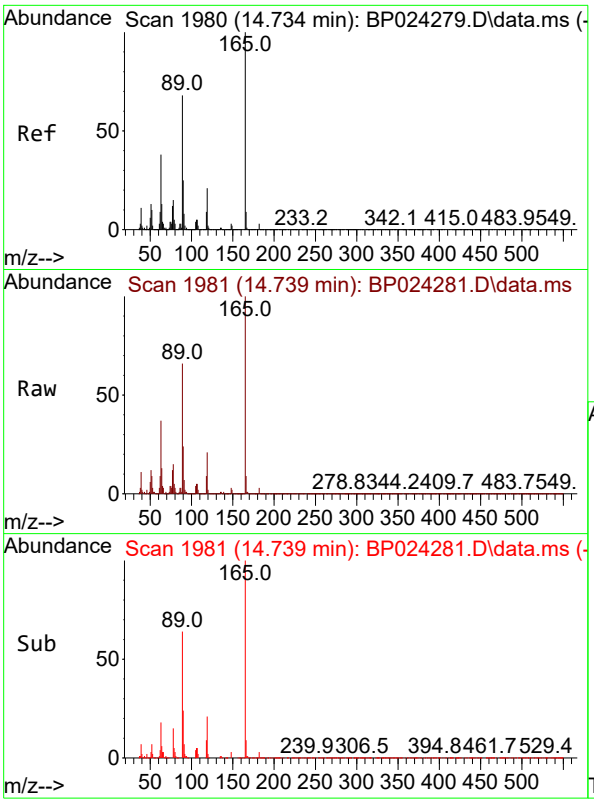


#56
4-Nitrophenol
Concen: 70.748 ng
RT: 14.598 min Scan# 1957
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:139 Resp: 754038

Ion	Ratio	Lower	Upper
139	100		
109	66.1	46.1	86.1
65	82.9	65.0	105.0



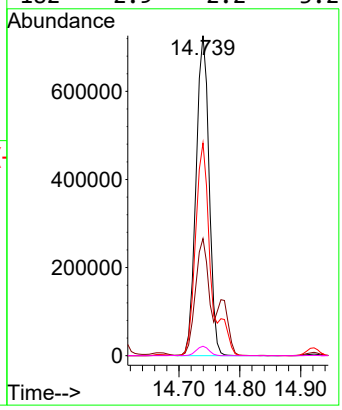


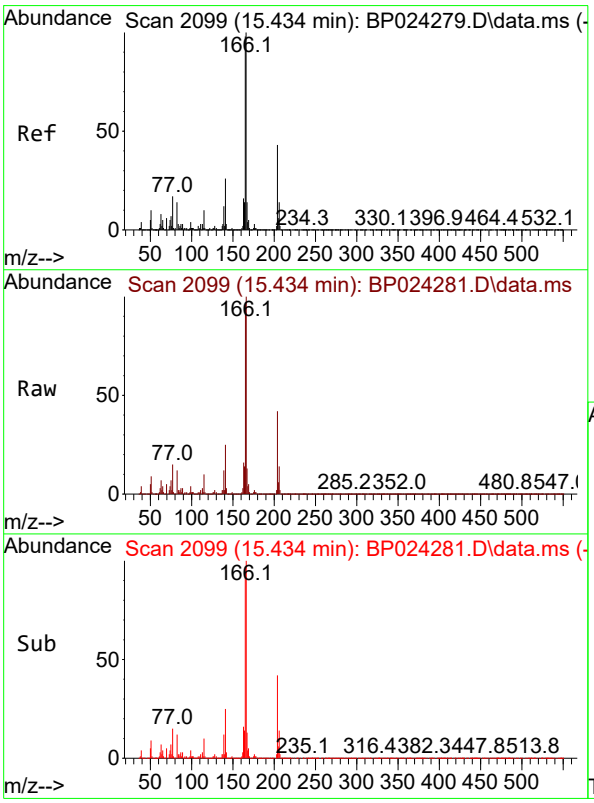
#57
2,4-Dinitrotoluene
Concen: 66.836 ng
RT: 14.739 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 1079633

Ion	Ratio	Lower	Upper
165	100		
63	36.6	30.4	45.6
89	66.4	54.6	82.0
182	2.9	2.2	3.2

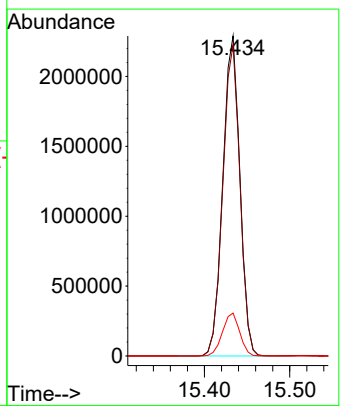


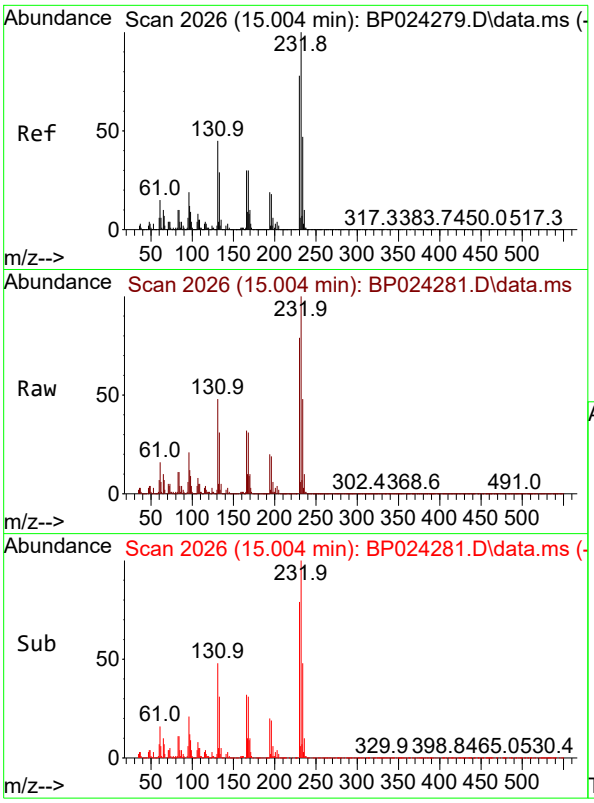


#58
Fluorene
Concen: 58.817 ng
RT: 15.434 min Scan# 2099
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:166 Resp: 3184960

Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.1	117.1
167	13.4	10.9	16.3



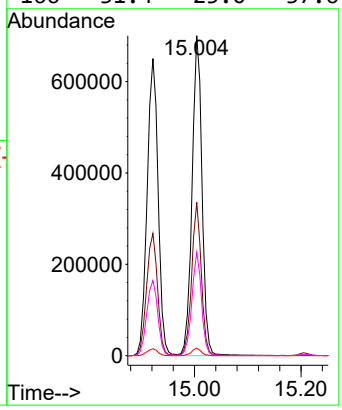


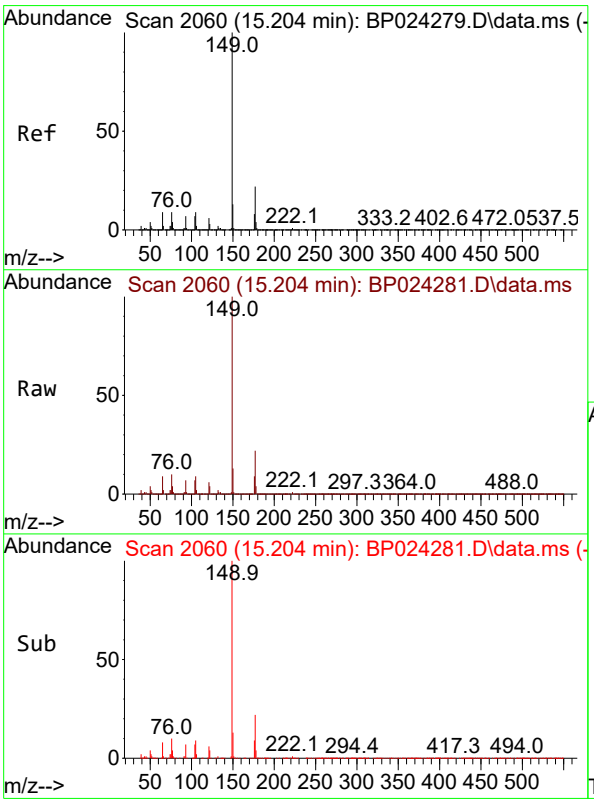
#59
2,3,4,6-Tetrachlorophenol
Concen: 63.097 ng
RT: 15.004 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 909497

Ion	Ratio	Lower	Upper
232	100		
131	46.4	36.8	55.2
130	2.3	1.9	2.9
166	31.4	25.0	37.6

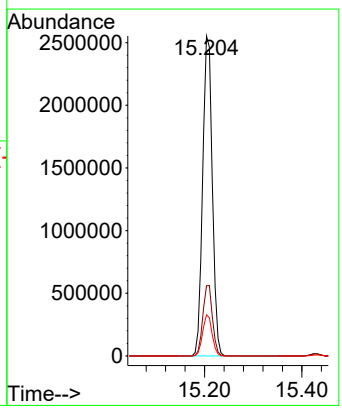


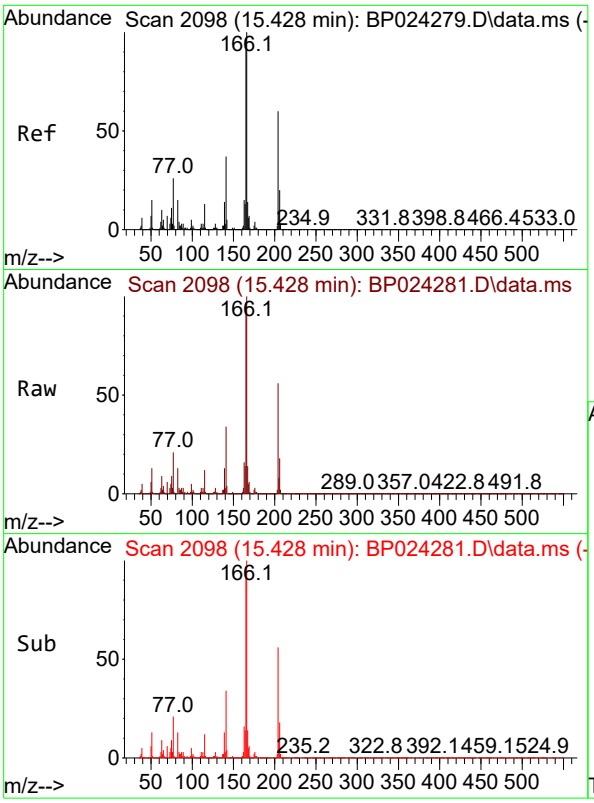


#60
Diethylphthalate
Concen: 59.879 ng
RT: 15.204 min Scan# 2060
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:149 Resp: 3495577

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.4	26.2
150	12.9	10.1	15.1



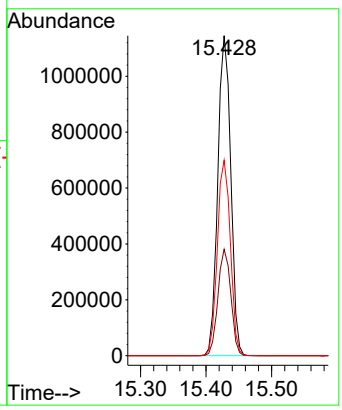


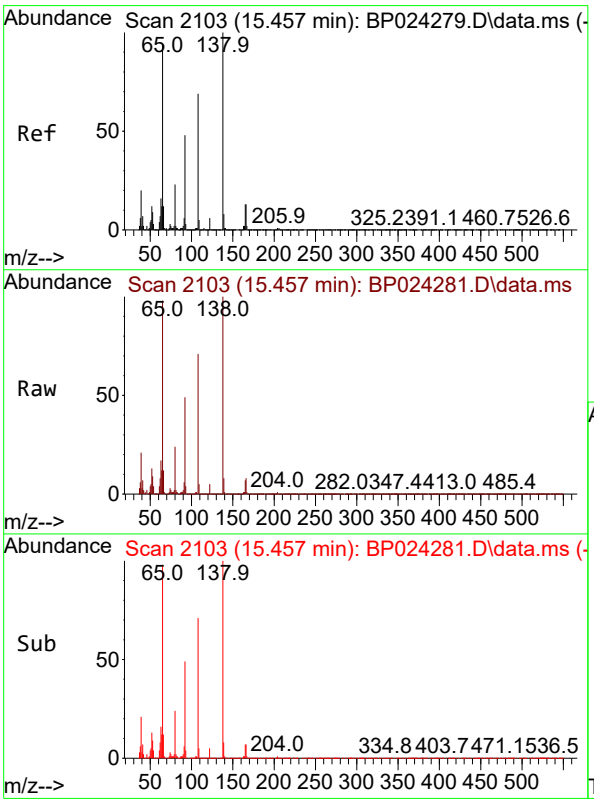
#61
4-Chlorophenyl-phenylether
Concen: 59.442 ng
RT: 15.428 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 1563042

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.5	39.7
141	61.1	49.4	74.0

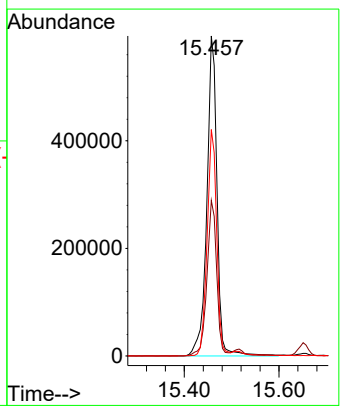


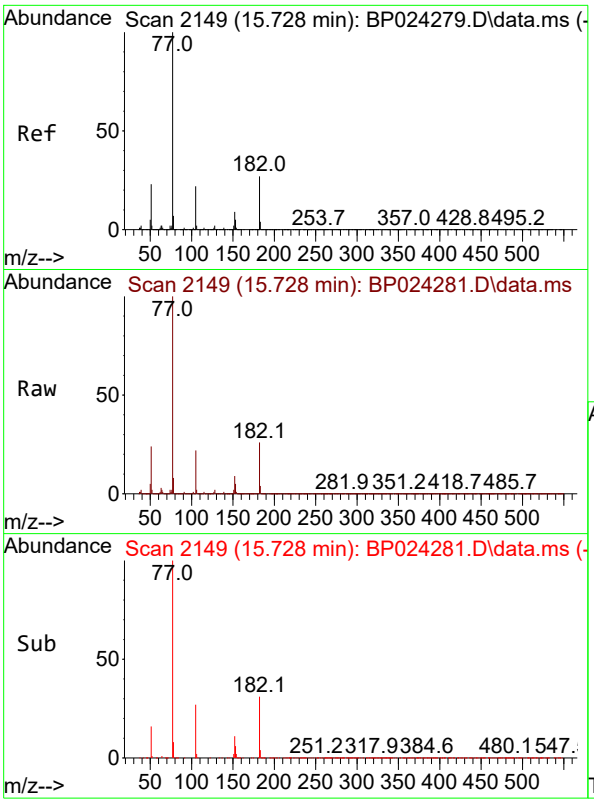


#62
4-Nitroaniline
Concen: 67.414 ng
RT: 15.457 min Scan# 2103
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:138 Resp: 886163

Ion	Ratio	Lower	Upper
138	100		
92	48.6	27.8	67.8
108	70.7	48.9	88.9



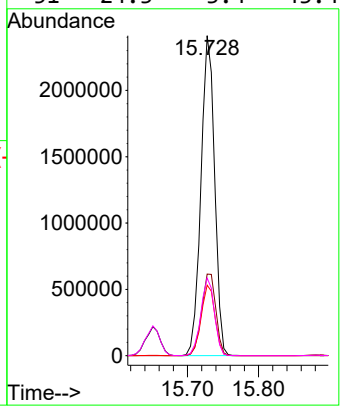


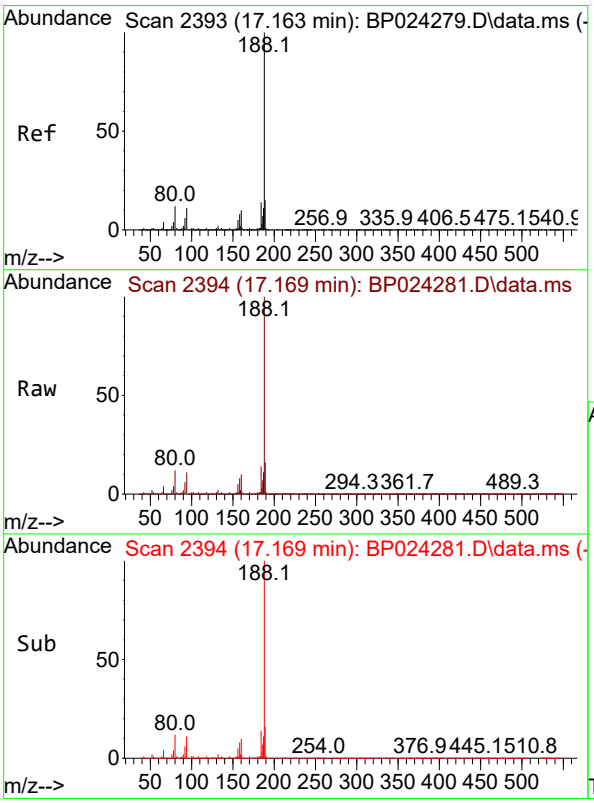
#63
Azobenzene
Concen: 60.070 ng
RT: 15.728 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 3229873

Ion	Ratio	Lower	Upper
77	100		
182	25.5	7.3	47.3
105	22.1	2.3	42.3
51	24.3	3.4	43.4

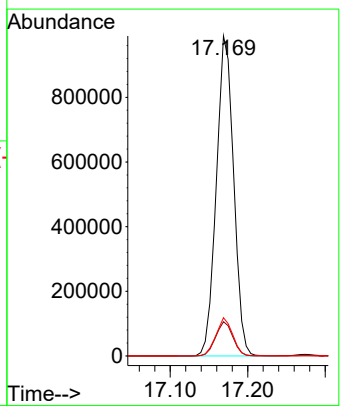


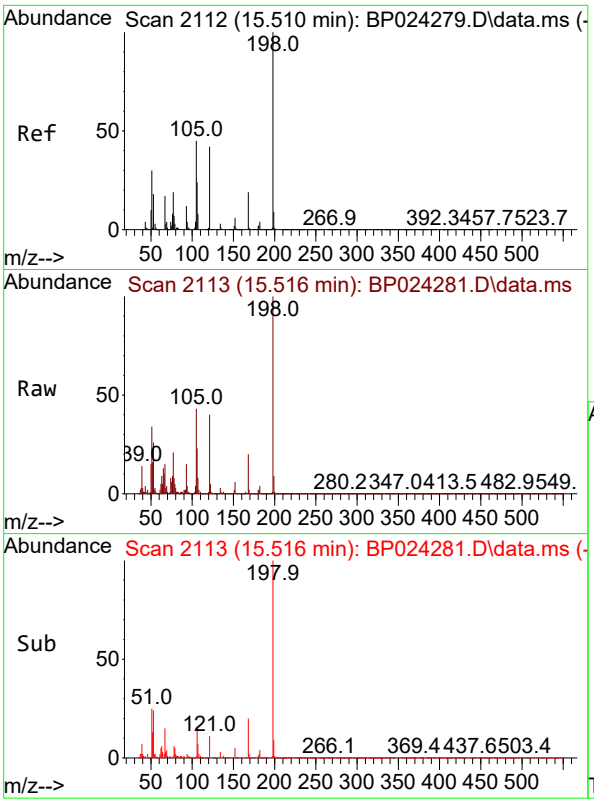


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.169 min Scan# 2394
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:188 Resp: 1536805

Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.6	13.0
80	12.0	9.8	14.6



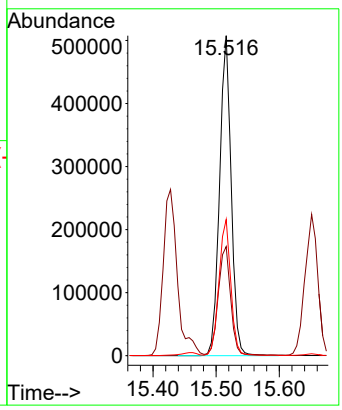


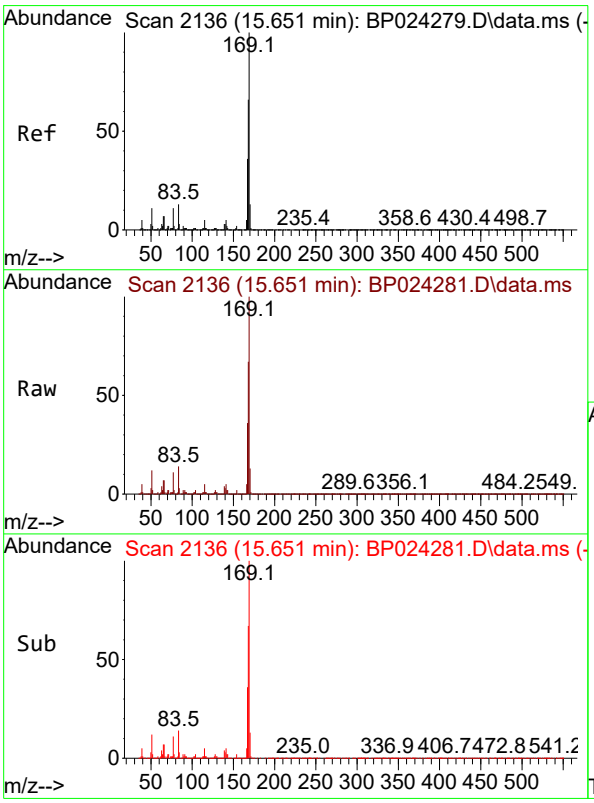
#65
4,6-Dinitro-2-methylphenol
Concen: 72.083 ng
RT: 15.516 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 647253

Ion	Ratio	Lower	Upper
198	100		
51	34.1	18.4	58.4
105	42.6	26.5	66.5

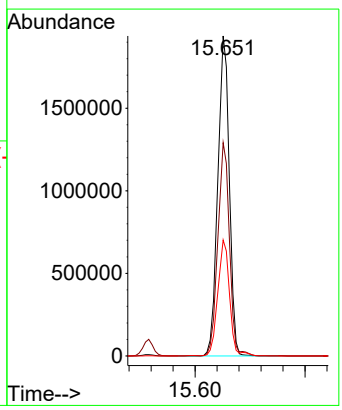


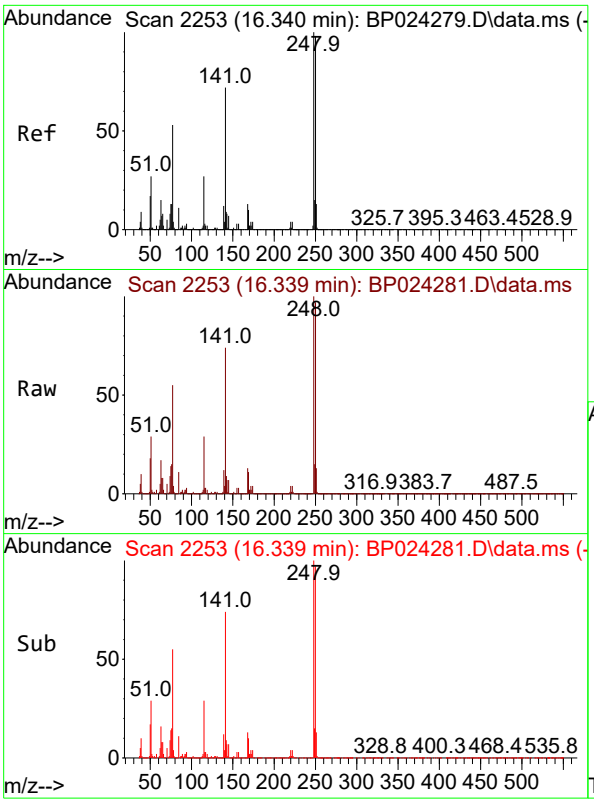


#66
n-Nitrosodiphenylamine
Concen: 60.874 ng
RT: 15.651 min Scan# 2136
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:169 Resp: 2805137

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.0	79.4
167	36.3	28.9	43.3



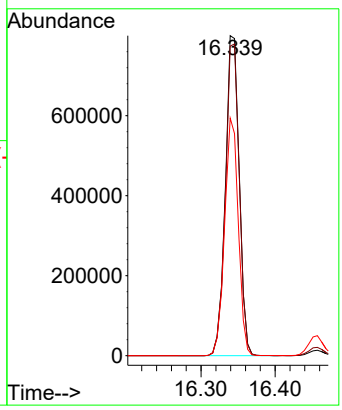


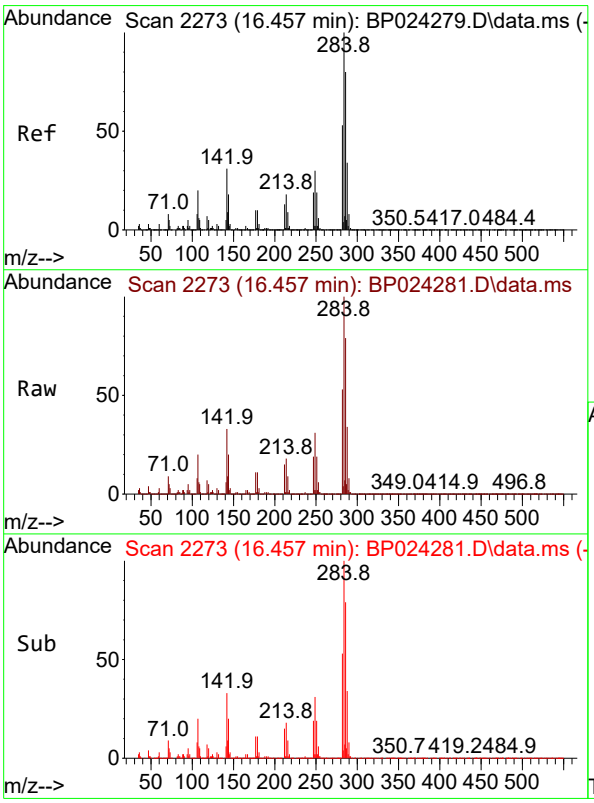
#67
4-Bromophenyl-phenylether
Concen: 61.926 ng
RT: 16.339 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 1038071

Ion	Ratio	Lower	Upper
248	100		
250	96.7	78.2	117.4
141	74.2	57.7	86.5

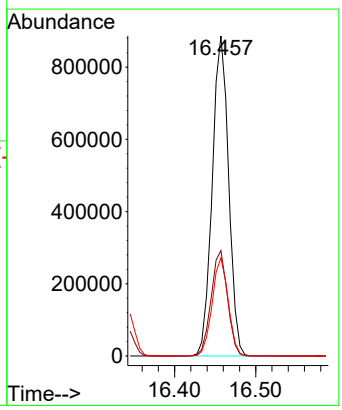


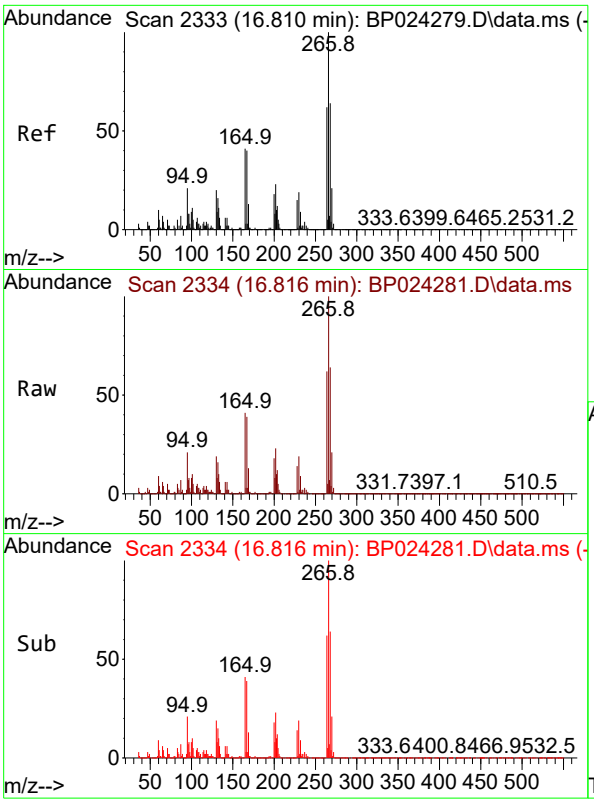


#68
Hexachlorobenzene
Concen: 62.200 ng
RT: 16.457 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:284 Resp: 1239550

Ion	Ratio	Lower	Upper
284	100		
142	32.9	24.6	37.0
249	30.7	23.8	35.6



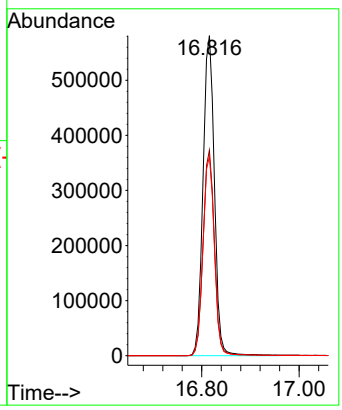


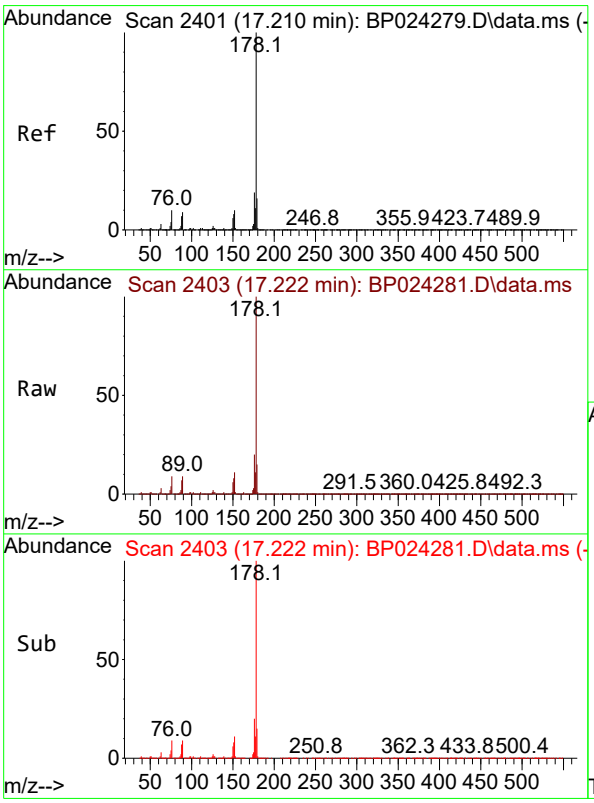
#70
Pentachlorophenol
Concen: 68.445 ng
RT: 16.816 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:266 Resp: 936562

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.0	76.6
264	62.3	49.8	74.6

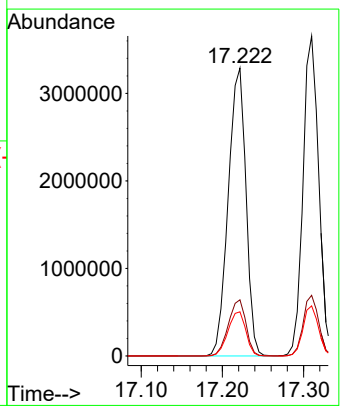


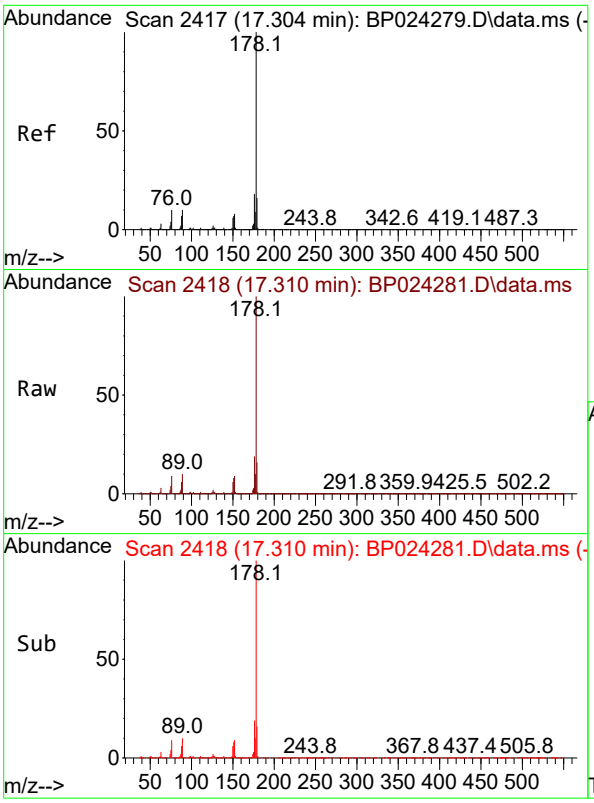


#71
Phenanthrene
Concen: 59.209 ng
RT: 17.222 min Scan# 2403
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:178 Resp: 4988840

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.3	12.5	18.7



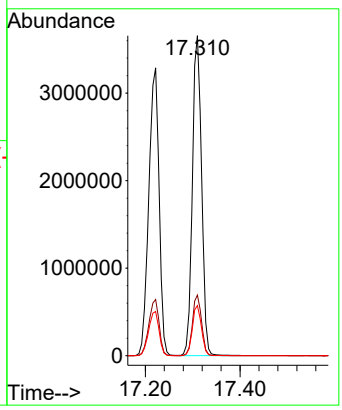


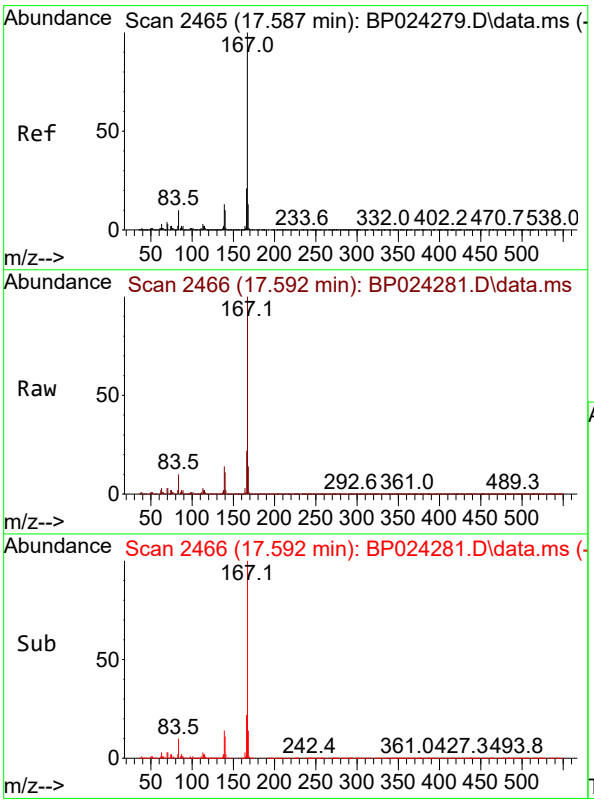
#72
Anthracene
Concen: 60.907 ng
RT: 17.310 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 4938117

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.7	12.4	18.6

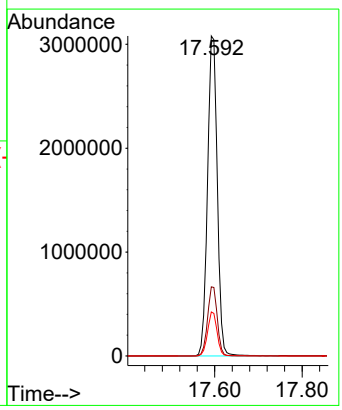


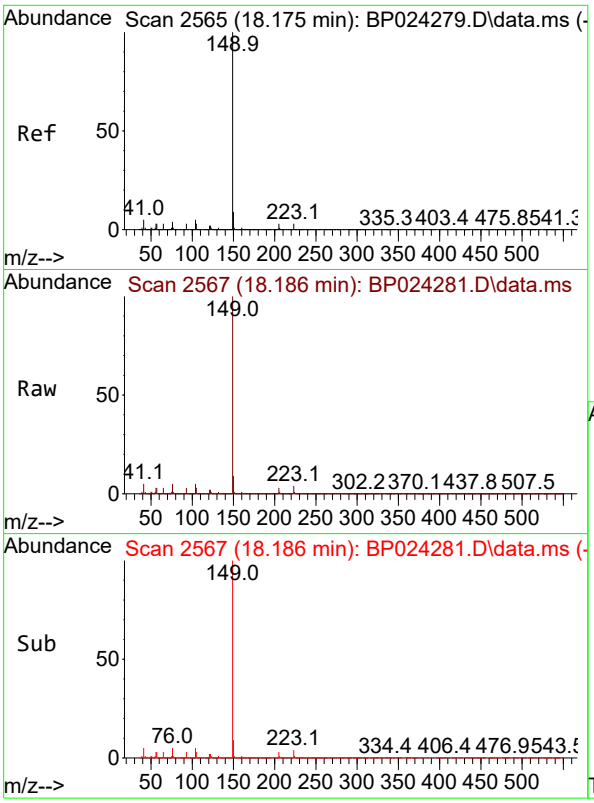


#73
Carbazole
Concen: 60.584 ng
RT: 17.592 min Scan# 2466
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:167 Resp: 4780408

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.1	25.7
139	13.7	10.6	16.0



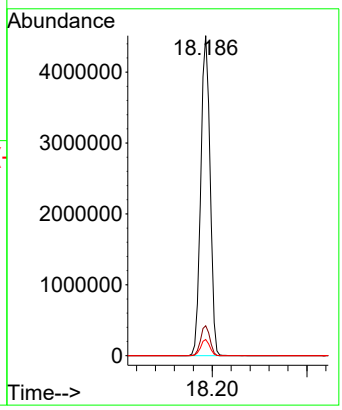


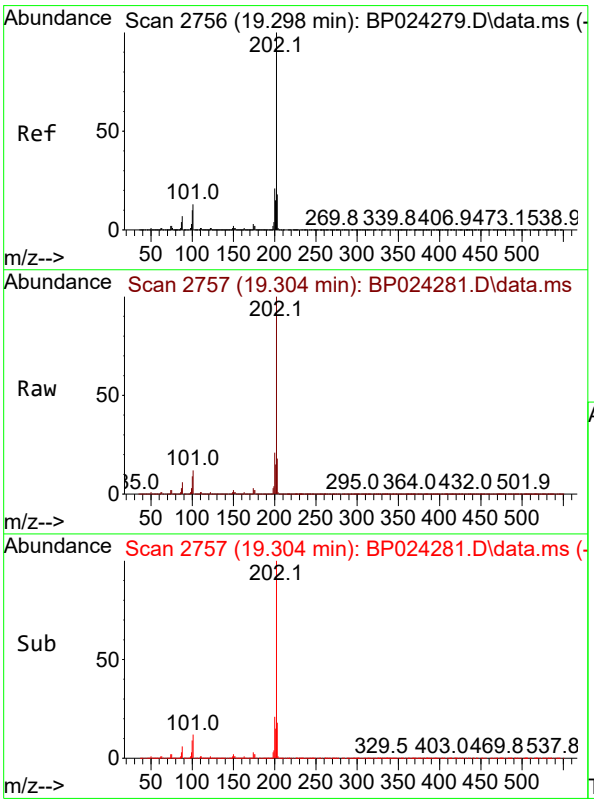
#74
Di-n-butylphthalate
Concen: 62.730 ng
RT: 18.186 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 6167206

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.0	3.9	5.9

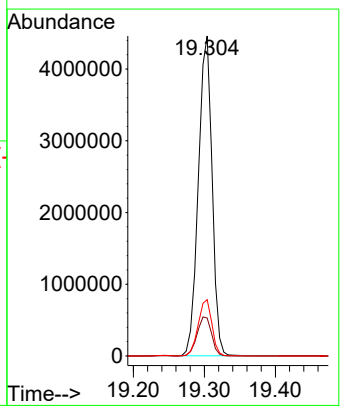


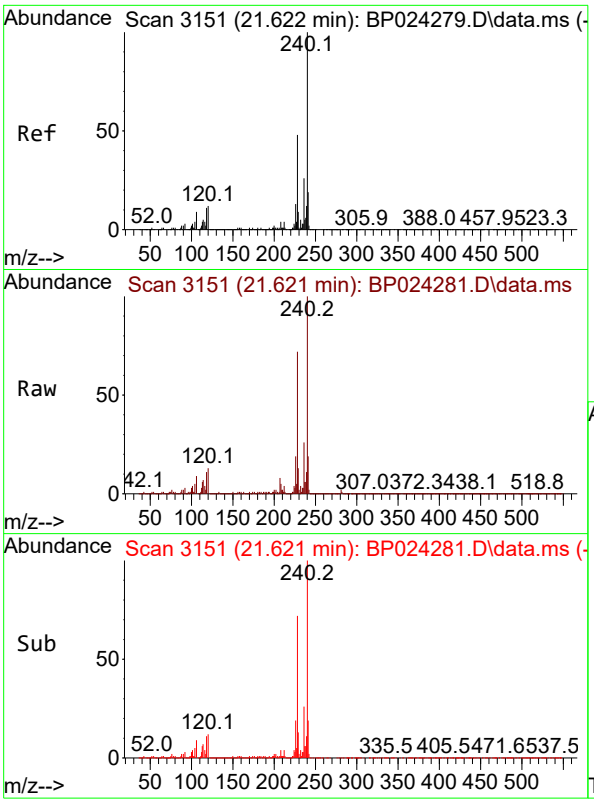


#75
Fluoranthene
Concen: 60.092 ng
RT: 19.304 min Scan# 2757
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:202 Resp: 6009748

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	33.2
203	17.6	0.0	37.7



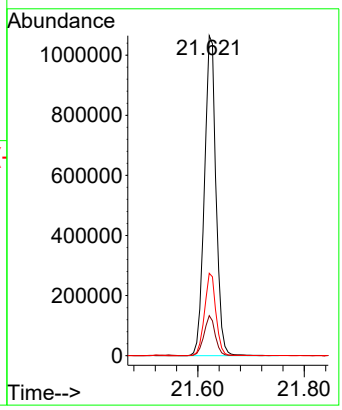


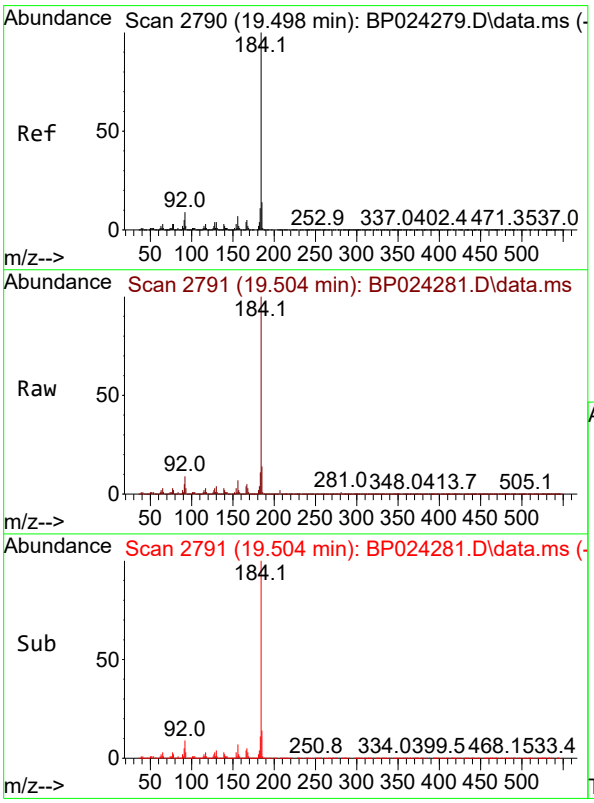
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.621 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:240 Resp: 1596148

Ion	Ratio	Lower	Upper
240	100		
120	12.5	9.8	14.8
236	25.8	20.9	31.3

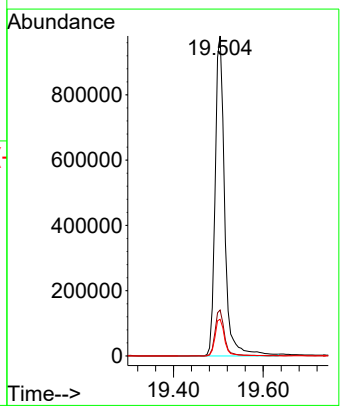


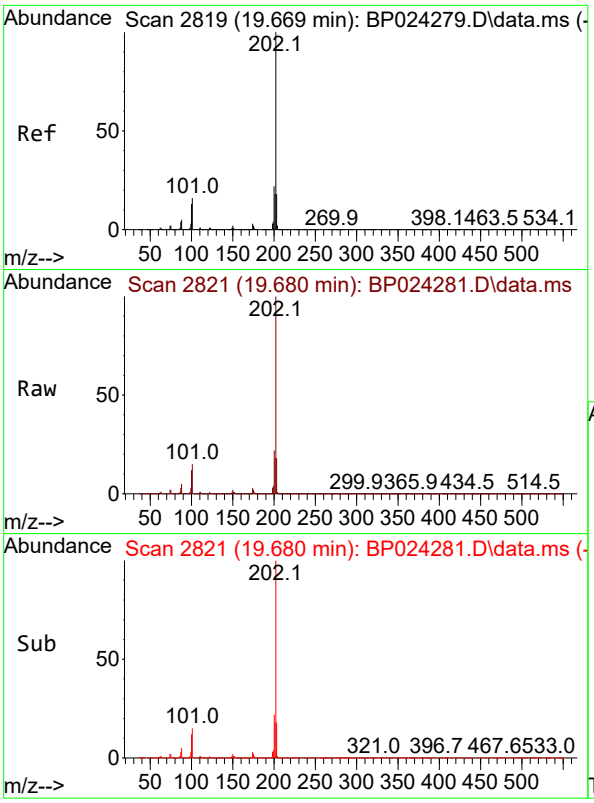


#77
Benzidine
Concen: 73.401 ng
RT: 19.504 min Scan# 2791
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:184 Resp: 1446166

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.6	17.4
183	11.5	9.2	13.8



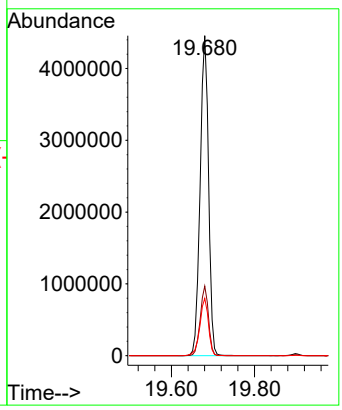


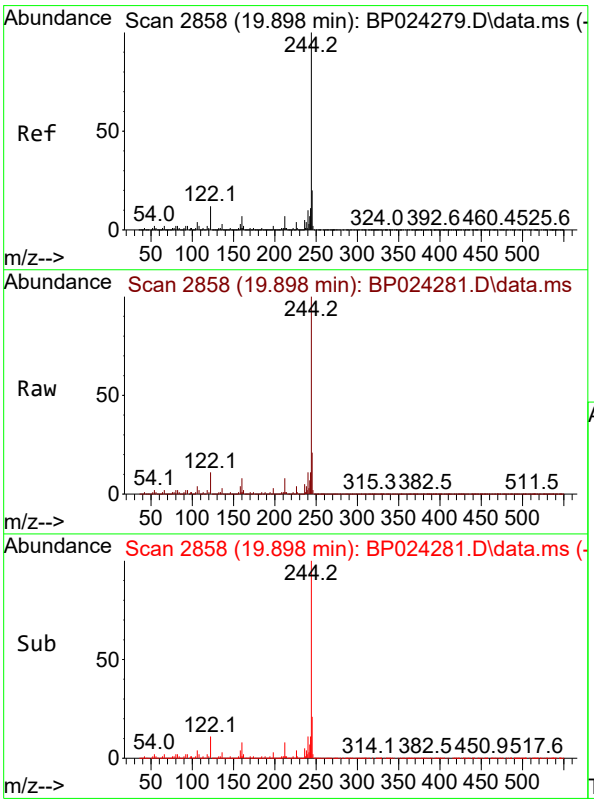
#78
Pyrene
Concen: 61.204 ng
RT: 19.680 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 6250781

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.2	25.8
203	17.9	14.4	21.6

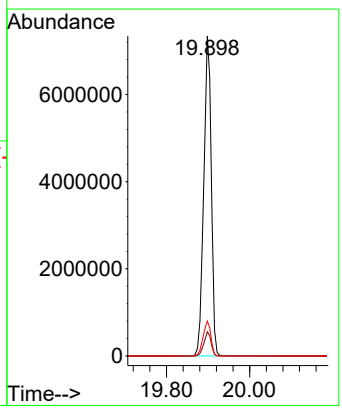


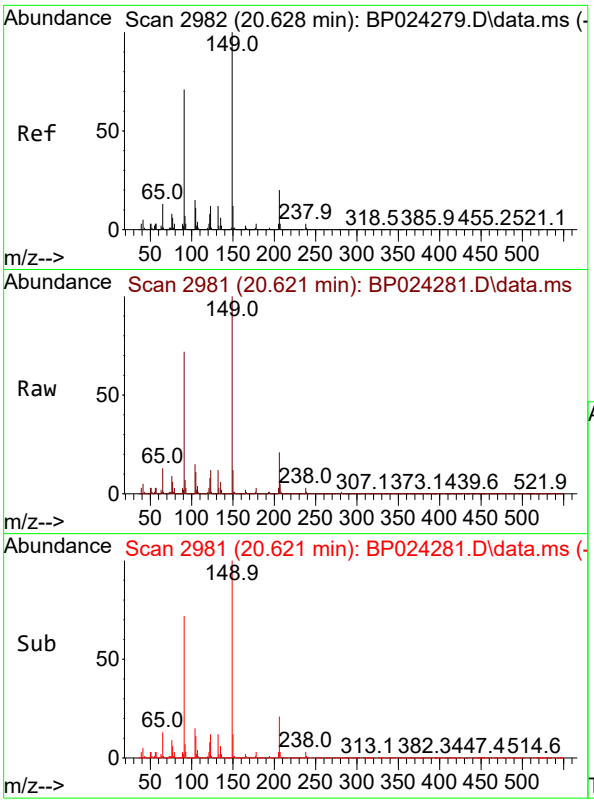


#79
Terphenyl-d14
Concen: 115.262 ng
RT: 19.898 min Scan# 2858
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:244 Resp: 9228969

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.6	8.4
122	10.9	9.4	14.0



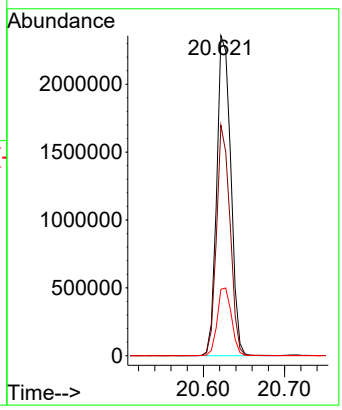


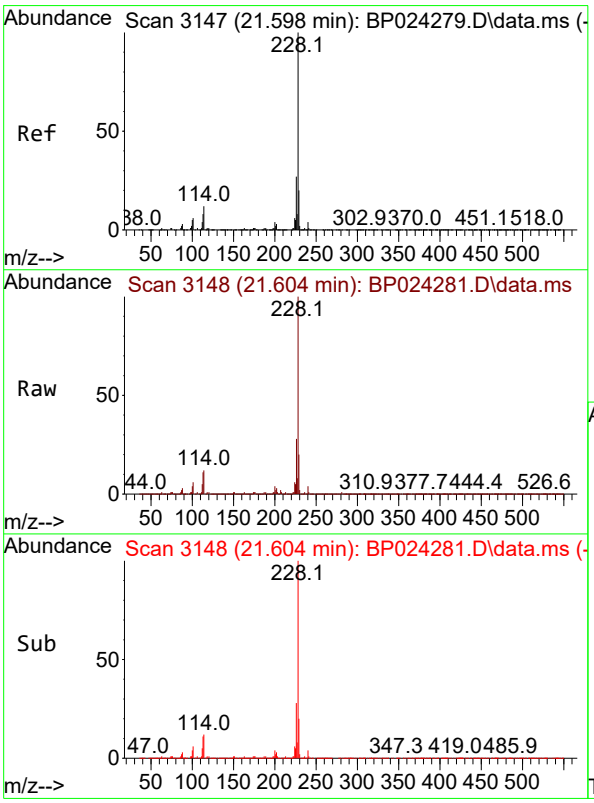
#80
Butylbenzylphthalate
Concen: 65.961 ng
RT: 20.621 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 2840001

Ion	Ratio	Lower	Upper
149	100		
91	72.0	56.4	84.6
206	20.7	16.3	24.5

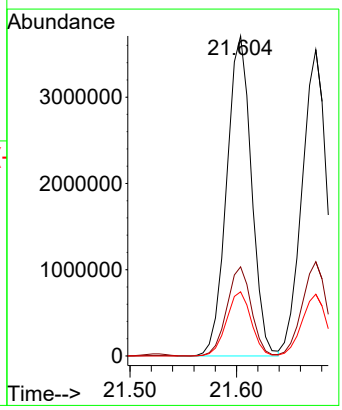


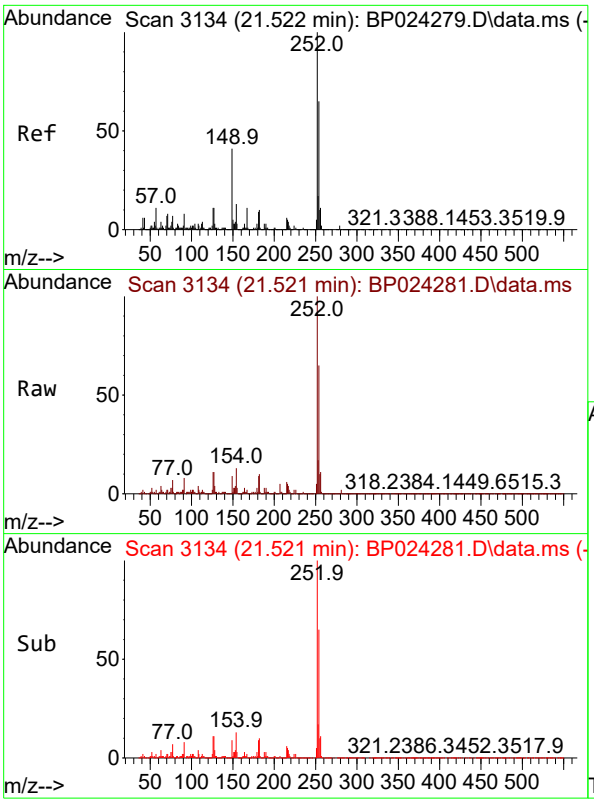


#81
Benzo(a)anthracene
Concen: 60.318 ng
RT: 21.604 min Scan# 3148
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:228 Resp: 6002059

Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.8	32.8
229	20.1	15.9	23.9



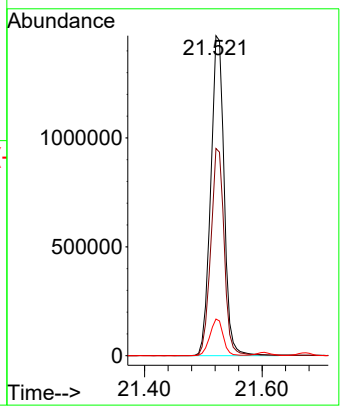


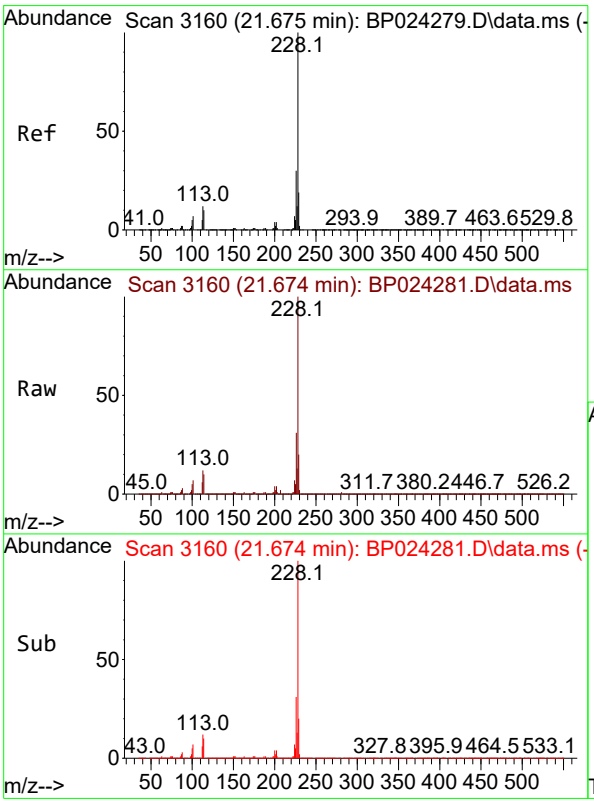
#82
3,3'-Dichlorobenzidine
Concen: 67.333 ng
RT: 21.521 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 2323294

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.7	77.5
126	11.5	8.8	13.2

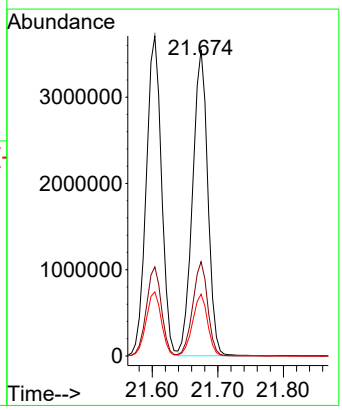


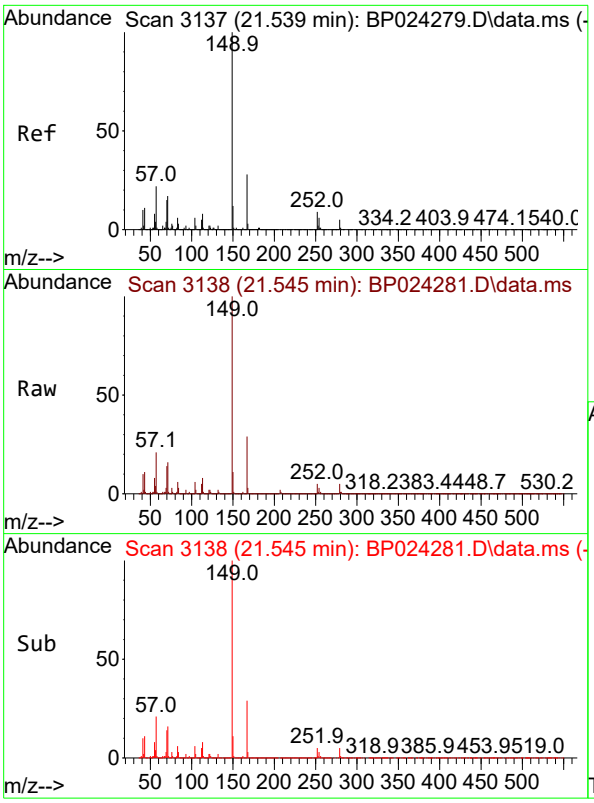


#83
Chrysene
Concen: 59.924 ng
RT: 21.674 min Scan# 3160
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:228 Resp: 5714775

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.2	36.2
229	20.2	15.6	23.4



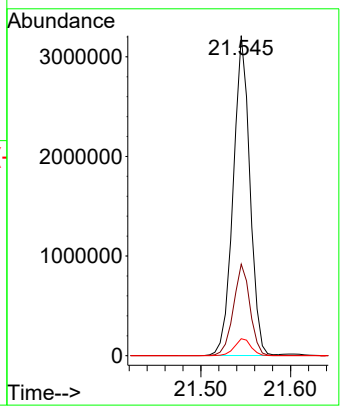


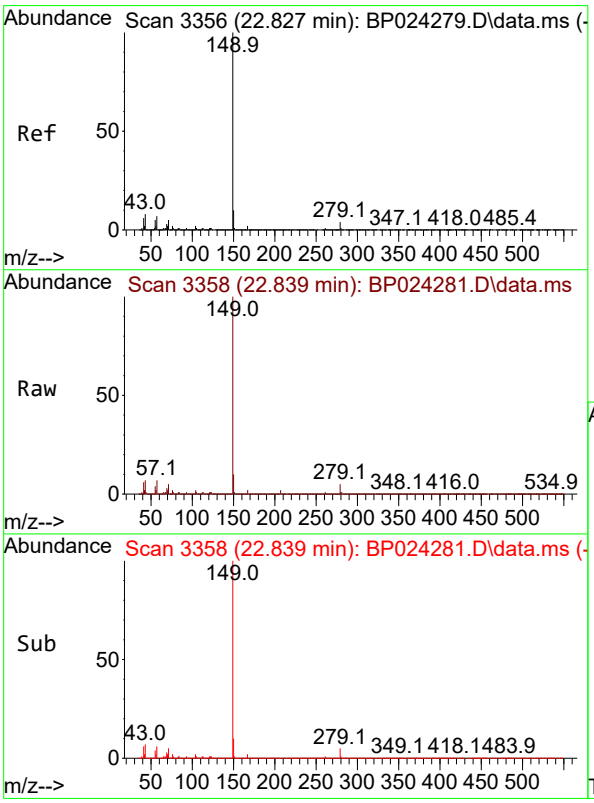
#84
Bis(2-ethylhexyl)phthalate
Concen: 65.497 ng
RT: 21.545 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 4153128

Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.4	33.6
279	5.3	4.0	6.0

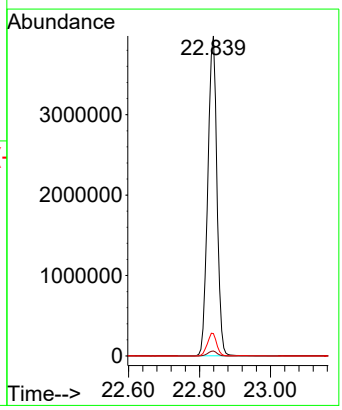


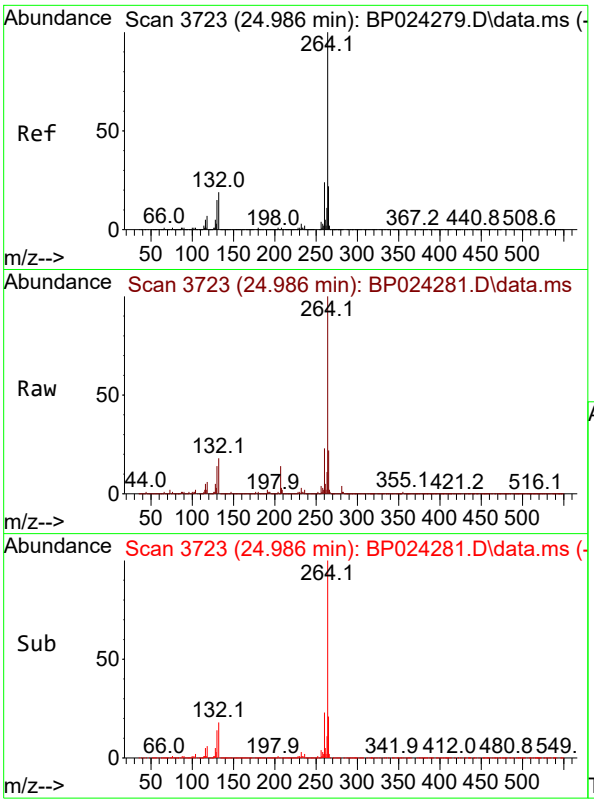


#85
Di-n-octyl phthalate
Concen: 70.060 ng
RT: 22.839 min Scan# 3358
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:149 Resp: 7116217

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.2	6.0	9.0



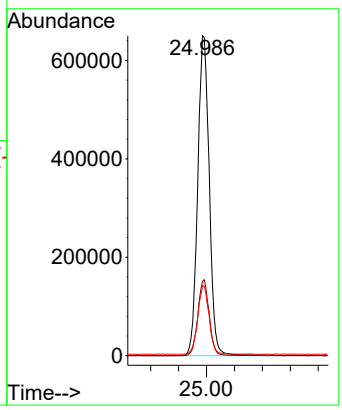


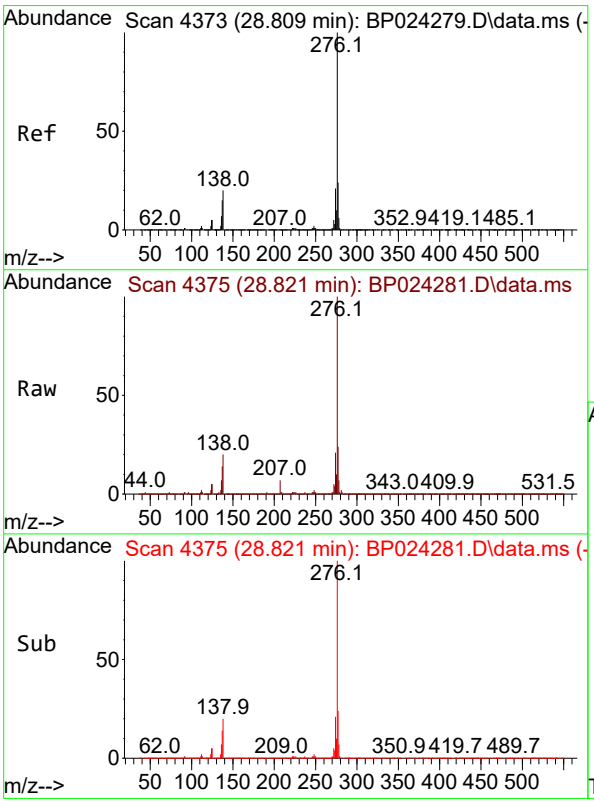
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.986 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:264 Resp: 1858365

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.9	28.3
265	21.8	17.8	26.6

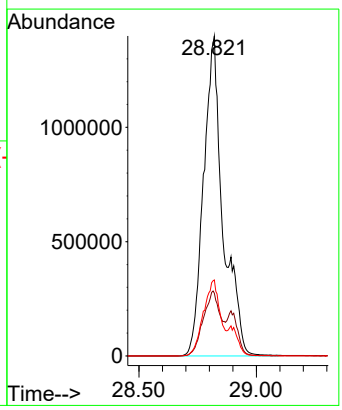


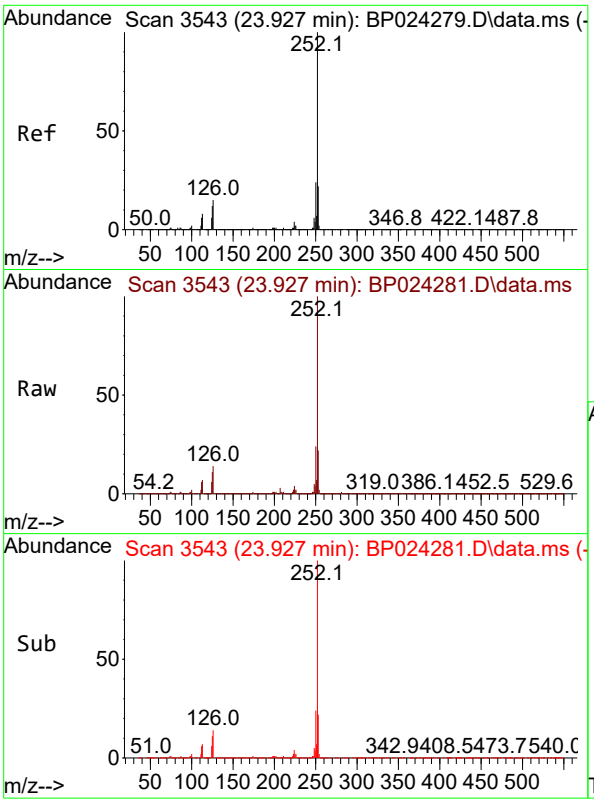


#87
Indeno(1,2,3-cd)pyrene
Concen: 63.043 ng m
RT: 28.821 min Scan# 4375
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:276 Resp: 8057576

Ion	Ratio	Lower	Upper
276	100		
138	18.2	14.5	21.7
277	20.7	20.2	30.2



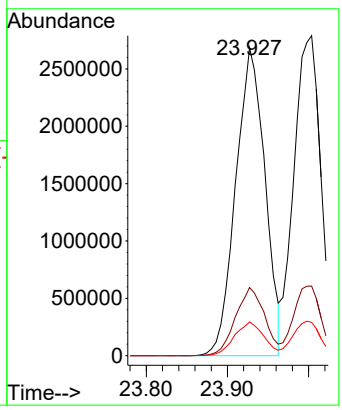


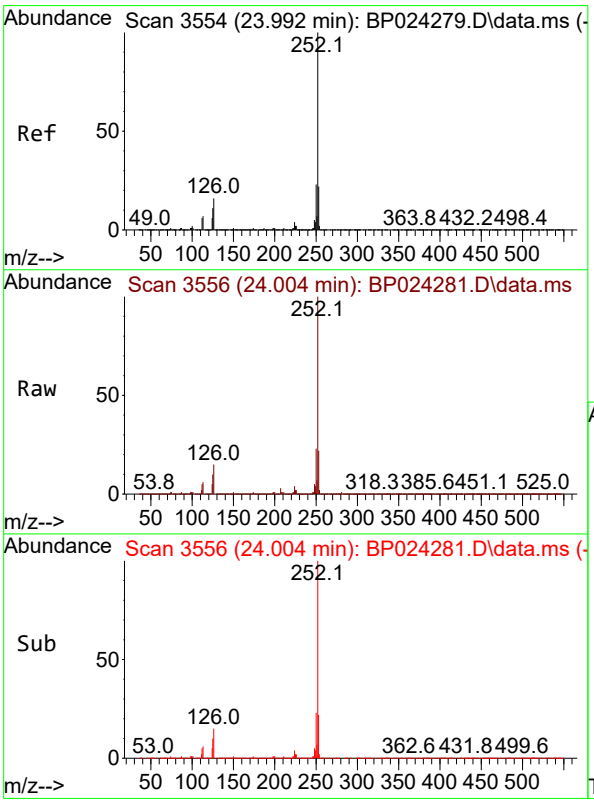
#88
Benzo(b)fluoranthene
Concen: 60.400 ng
RT: 23.927 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 6715444

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.0	9.4	14.0

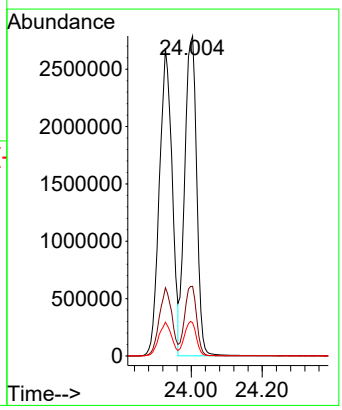


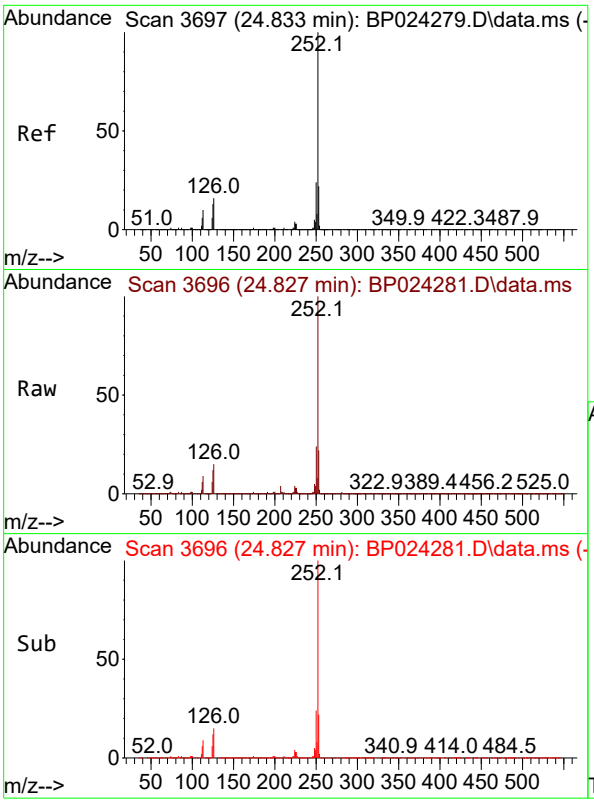


#89
Benzo(k)fluoranthene
Concen: 60.244 ng
RT: 24.004 min Scan# 3556
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:252 Resp: 6500782

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	10.4	9.1	13.7



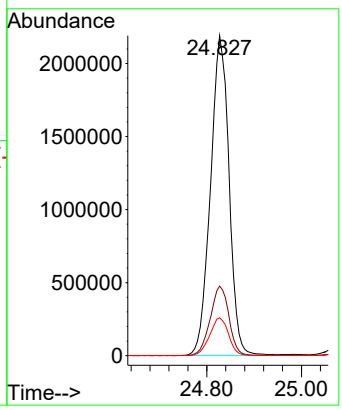


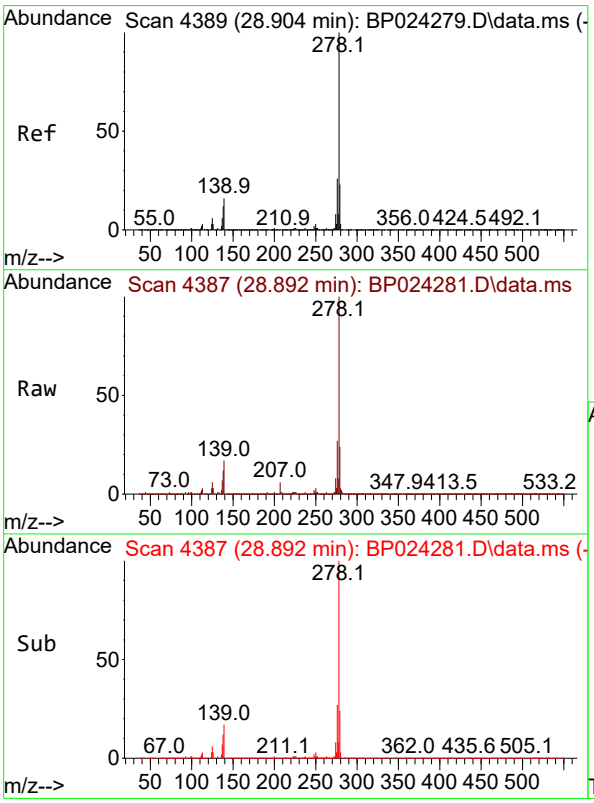
#90
Benzo(a)pyrene
Concen: 62.316 ng
RT: 24.827 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 5964163

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	11.8	10.1	15.1

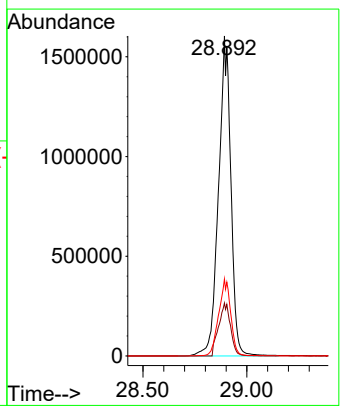


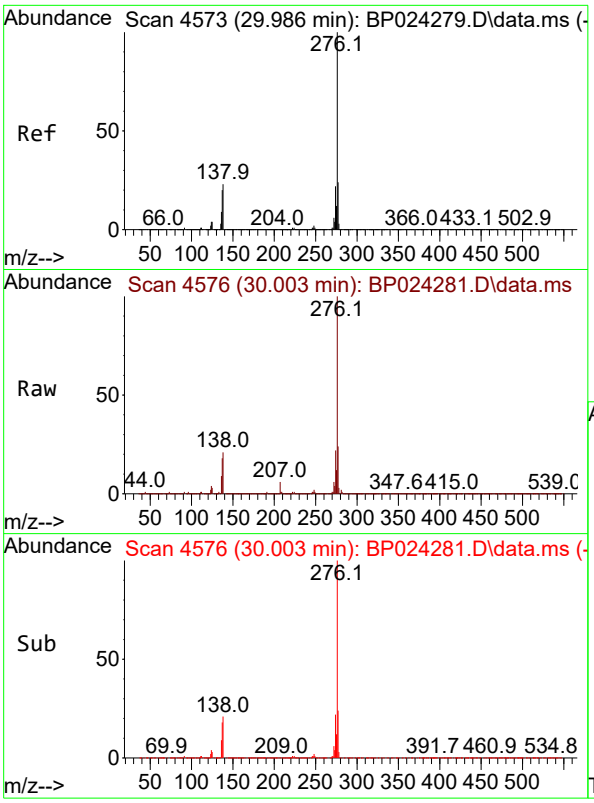


#91
Dibenzo(a,h)anthracene
Concen: 62.214 ng
RT: 28.892 min Scan# 4387
Delta R.T. -0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:278 Resp: 6614173

Ion	Ratio	Lower	Upper
278	100		
139	16.6	12.6	19.0
279	24.1	18.5	27.7



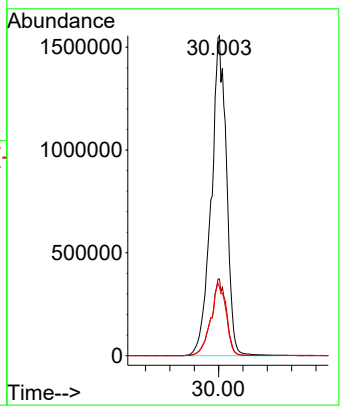


#92
Benzo(g,h,i)perylene
Concen: 62.294 ng
RT: 30.003 min Scan# 4
Delta R.T. 0.017 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 6740929

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.9	28.3
138	21.5	18.7	28.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024282.D
Acq On : 14 Apr 2025 17:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Apr 14 18:14:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.728	152	244732	20.000	ng		0.00
21) Naphthalene-d8	10.504	136	1024316	20.000	ng		0.00
39) Acenaphthene-d10	14.369	164	641442	20.000	ng		0.00
64) Phenanthrene-d10	17.180	188	1279313	20.000	ng		0.02
76) Chrysene-d12	21.621	240	1378105	20.000	ng		0.00
86) Perylene-d12	24.986	264	1583281	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.352	112	2341577	157.905	ng		0.00
7) Phenol-d6	6.916	99	3224074	158.927	ng		0.00
23) Nitrobenzene-d5	8.881	82	2847003	158.236	ng		0.00
42) 2,4,6-Tribromophenol	15.892	330	1507534	171.633	ng		0.01
45) 2-Fluorobiphenyl	12.981	172	6362479	150.596	ng		0.01
79) Terphenyl-d14	19.922	244	10209149	147.678	ng		0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	467234	73.805	ng		99
3) Pyridine	3.687	79	1349044m	81.864	ng		
4) n-Nitrosodimethylamine	3.593	42	434861	79.138	ng		97
6) Aniline	7.069	93	1351337	73.789	ng		100
8) 2-Chlorophenol	7.305	128	1299769	78.433	ng		99
9) Benzaldehyde	6.881	77	608272	57.891	ng		99
10) Phenol	6.946	94	1608027	78.944	ng		98
11) bis(2-Chloroethyl)ether	7.163	93	1272327	77.297	ng		99
12) 1,3-Dichlorobenzene	7.622	146	1344292	74.869	ng		100
13) 1,4-Dichlorobenzene	7.763	146	1369087	75.195	ng		99
14) 1,2-Dichlorobenzene	8.075	146	1310407	74.432	ng		100
15) Benzyl Alcohol	7.975	79	1098602	84.492	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.257	45	1319830	73.704	ng		98
17) 2-Methylphenol	8.175	107	1064555	81.101	ng		100
18) Hexachloroethane	8.799	117	498897	75.920	ng		99
19) n-Nitroso-di-n-propyla...	8.534	70	968278	76.844	ng		99
20) 3+4-Methylphenols	8.499	107	1492527	82.092	ng		99
22) Acetophenone	8.546	105	1977578	77.680	ng	#	100
24) Nitrobenzene	8.922	77	1392093	78.066	ng		98
25) Isophorone	9.446	82	2617853	80.596	ng		99
26) 2-Nitrophenol	9.628	139	760077	88.768	ng		98
27) 2,4-Dimethylphenol	9.693	122	905891	83.475	ng		99
28) bis(2-Chloroethoxy)met...	9.922	93	1689686	76.434	ng		99
29) 2,4-Dichlorophenol	10.157	162	1238253	83.719	ng		99
30) 1,2,4-Trichlorobenzene	10.369	180	1252476	78.272	ng		99
31) Naphthalene	10.557	128	4190486	77.287	ng		100
32) Benzoic acid	9.875	122	1154243m	98.425	ng		
33) 4-Chloroaniline	10.669	127	1547427	81.682	ng		99
34) Hexachlorobutadiene	10.840	225	743811	79.240	ng		99
35) Caprolactam	11.481	113	469910	86.534	ng		98
36) 4-Chloro-3-methylphenol	11.804	107	1438601	83.468	ng		98
37) 2-Methylnaphthalene	12.169	142	2918685	77.673	ng		99
38) 1-Methylnaphthalene	12.393	142	2831173	76.912	ng		100
40) 1,2,4,5-Tetrachloroben...	12.545	216	1416894	80.378	ng		100
41) Hexachlorocyclopentadiene	12.528	237	523136	84.532	ng		99
43) 2,4,6-Trichlorophenol	12.787	196	1000309	86.244	ng		97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024282.D
Acq On : 14 Apr 2025 17:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Apr 14 18:14:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

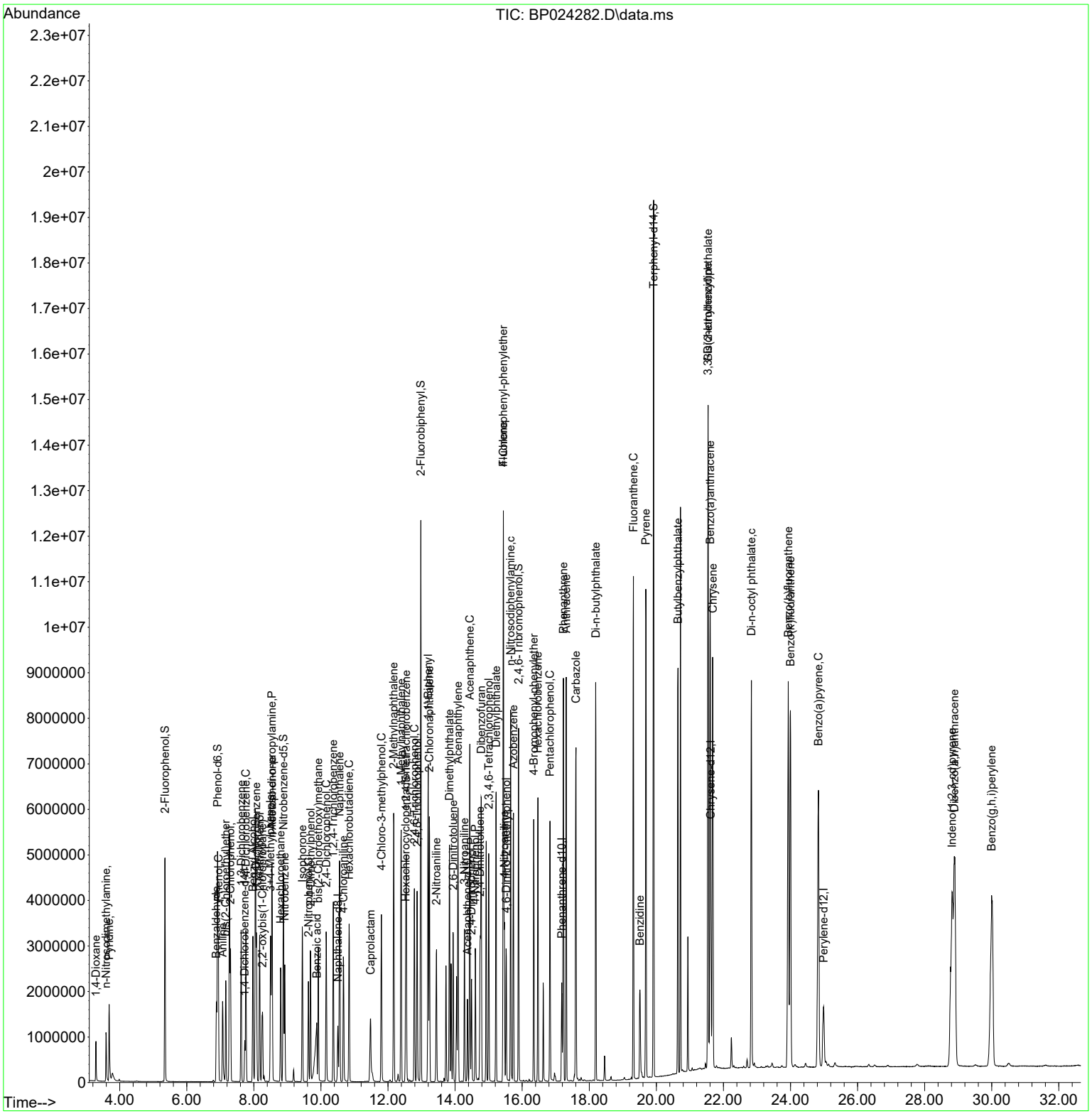
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.869	196	1103073	85.819	ng	98
46) 1,1'-Biphenyl	13.198	154	3665607	77.381	ng	99
47) 2-Chloronaphthalene	13.234	162	2766302	78.257	ng	99
48) 2-Nitroaniline	13.445	65	848619	86.912	ng	98
49) Acenaphthylene	14.087	152	4438648	80.004	ng	100
50) Dimethylphthalate	13.834	163	3659579	78.201	ng	99
51) 2,6-Dinitrotoluene	13.945	165	814314	82.589	ng	98
52) Acenaphthene	14.439	154	2761536	78.270	ng	100
53) 3-Nitroaniline	14.281	138	919775	89.913	ng	99
54) 2,4-Dinitrophenol	14.492	184	541483	102.567	ng	99
55) Dibenzofuran	14.781	168	4420987	76.402	ng	99
56) 4-Nitrophenol	14.604	139	814261	92.599	ng	98
57) 2,4-Dinitrotoluene	14.745	165	1169554	87.755	ng	98
58) Fluorene	15.439	166	3479094	77.873	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.004	232	999335	84.031	ng	100
60) Diethylphthalate	15.222	149	3800651	78.910	ng	99
61) 4-Chlorophenyl-phenyle...	15.439	204	1689620	77.881	ng	100
62) 4-Nitroaniline	15.469	138	965926	89.063	ng	98
63) Azobenzene	15.739	77	3448680	77.741	ng	98
65) 4,6-Dinitro-2-methylph...	15.528	198	705506	94.385	ng	92
66) n-Nitrosodiphenylamine	15.657	169	2970516	77.438	ng	99
67) 4-Bromophenyl-phenylether	16.345	248	1137128	81.488	ng	99
68) Hexachlorobenzene	16.469	284	1347567	81.231	ng	97
70) Pentachlorophenol	16.828	266	1027691	90.221	ng	99
71) Phenanthrene	17.228	178	5415046	77.203	ng	100
72) Anthracene	17.316	178	5270987	78.097	ng	99
73) Carbazole	17.604	167	5275449	80.314	ng	100
74) Di-n-butylphthalate	18.192	149	6569078	80.266	ng	100
75) Fluoranthene	19.316	202	6520527	78.322	ng	99
77) Benzidine	19.510	184	1694694m	99.624	ng	
78) Pyrene	19.686	202	6718789	76.195	ng	100
80) Butylbenzylphthalate	20.645	149	3163633	85.104	ng	96
81) Benzo(a)anthracene	21.604	228	6729971	78.335	ng	99
82) 3,3'-Dichlorobenzidine	21.539	252	2536509	85.143	ng	99
83) Chrysene	21.680	228	6433173	78.130	ng	99
84) Bis(2-ethylhexyl)phtha...	21.545	149	4516949	82.506	ng	98
85) Di-n-octyl phthalate	22.833	149	7969779	90.878	ng	99
87) Indeno(1,2,3-cd)pyrene	28.815	276	9286186	85.280	ng	99
88) Benzo(b)fluoranthene	23.933	252	7677613	81.051	ng	98
89) Benzo(k)fluoranthene	23.998	252	7207214	78.395	ng	100
90) Benzo(a)pyrene	24.833	252	6703562	82.211	ng	99
91) Dibenzo(a,h)anthracene	28.886	278	7614901	84.071	ng	98
92) Benzo(g,h,i)perylene	29.997	276	7750941	84.072	ng	99

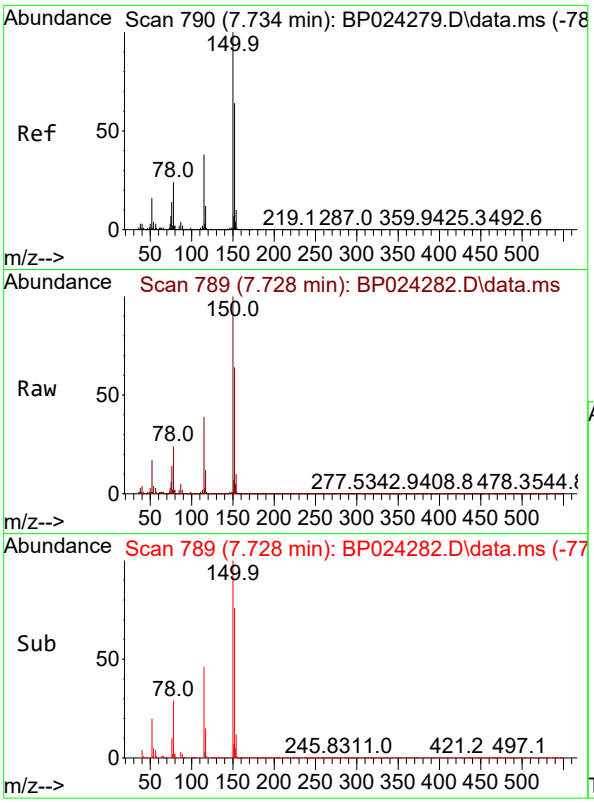
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024282.D
Acq On : 14 Apr 2025 17:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Apr 14 18:14:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



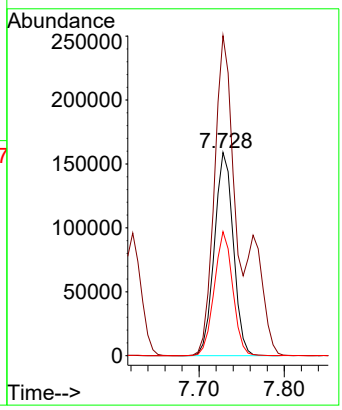


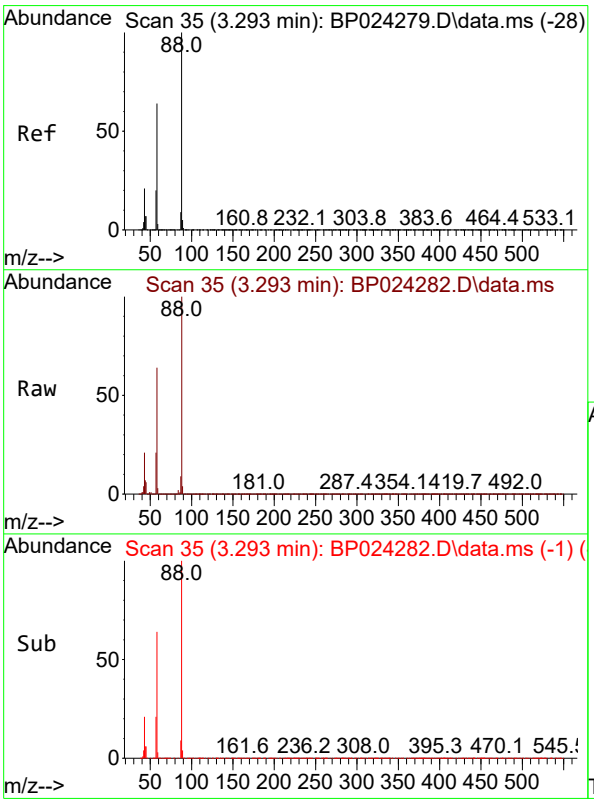
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 244732

Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.9	187.3
115	61.0	47.7	71.5

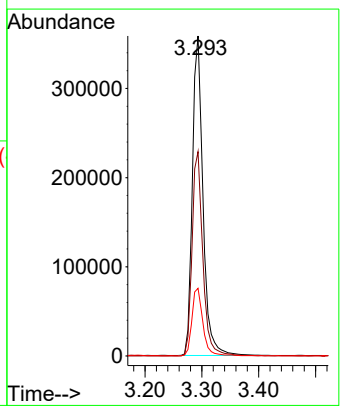


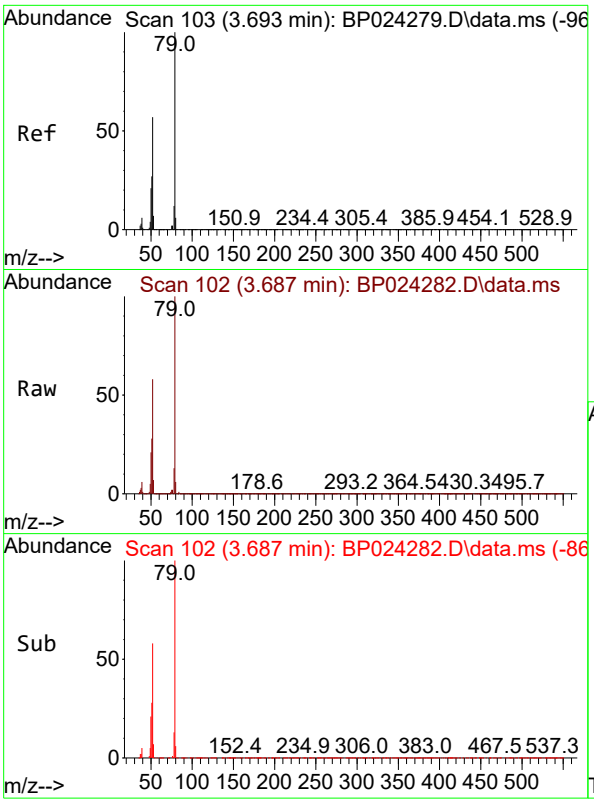


#2
1,4-Dioxane
Concen: 73.805 ng
RT: 3.293 min Scan# 35
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 88 Resp: 467234

Ion	Ratio	Lower	Upper
88	100		
58	64.8	51.4	77.2
43	21.7	17.1	25.7



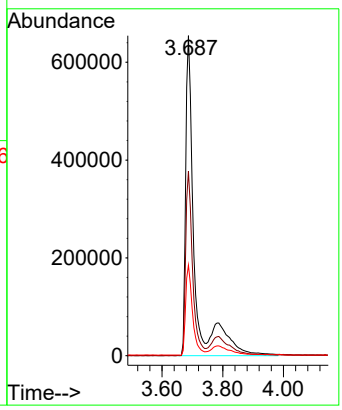


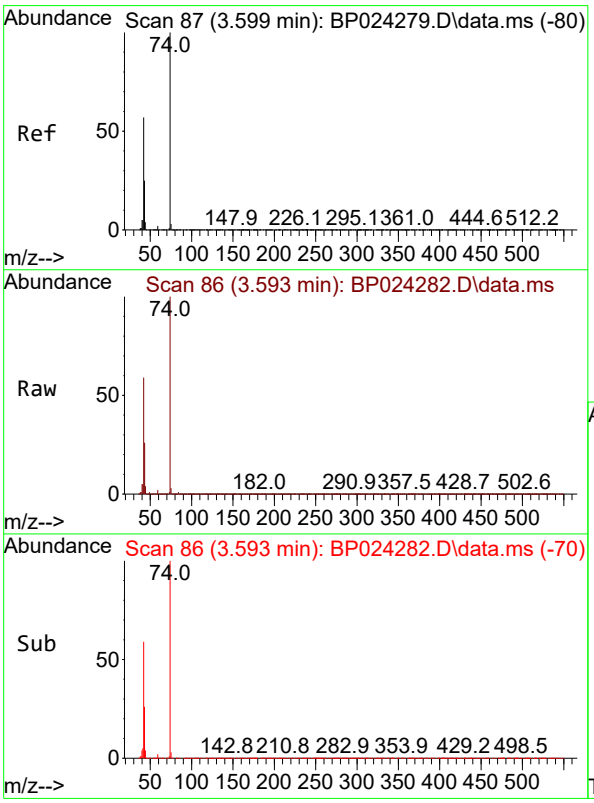
#3
Pyridine
Concen: 81.864 ng m
RT: 3.687 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 1349044

Ion	Ratio	Lower	Upper
79	100		
52	57.7	45.4	68.2
51	28.3	22.6	33.8

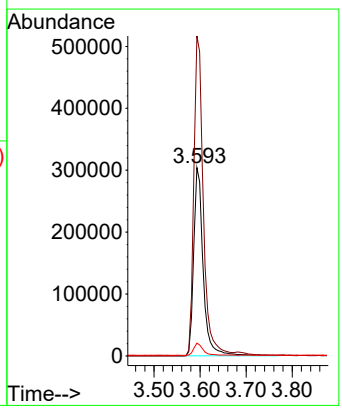


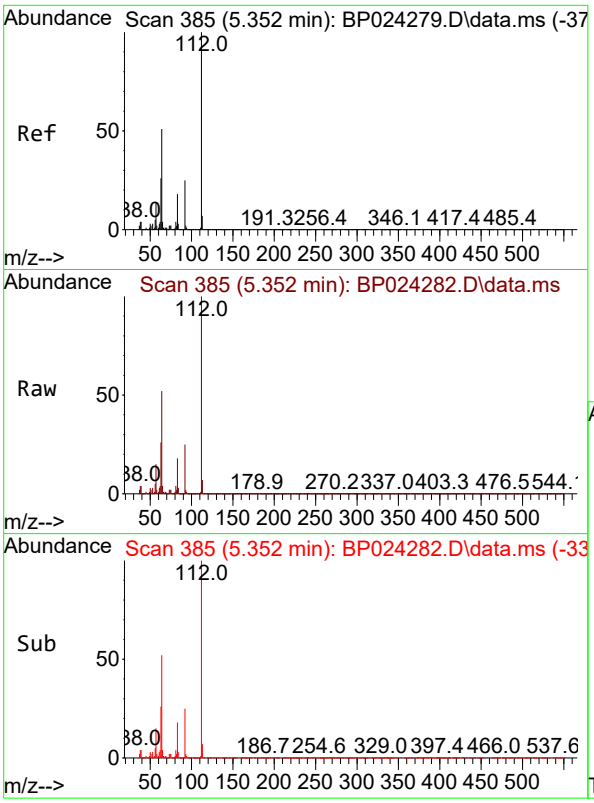


#4
n-Nitrosodimethylamine
Concen: 79.138 ng
RT: 3.593 min Scan# 86
Delta R.T. -0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 42 Resp: 434861

Ion	Ratio	Lower	Upper
42	100		
74	170.0	139.5	209.3
44	6.8	5.8	8.8



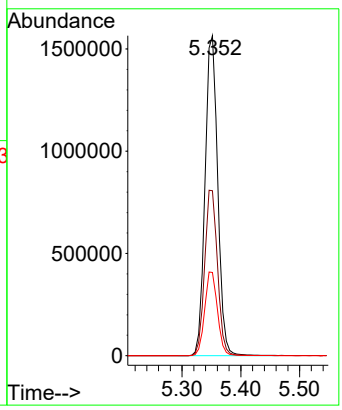


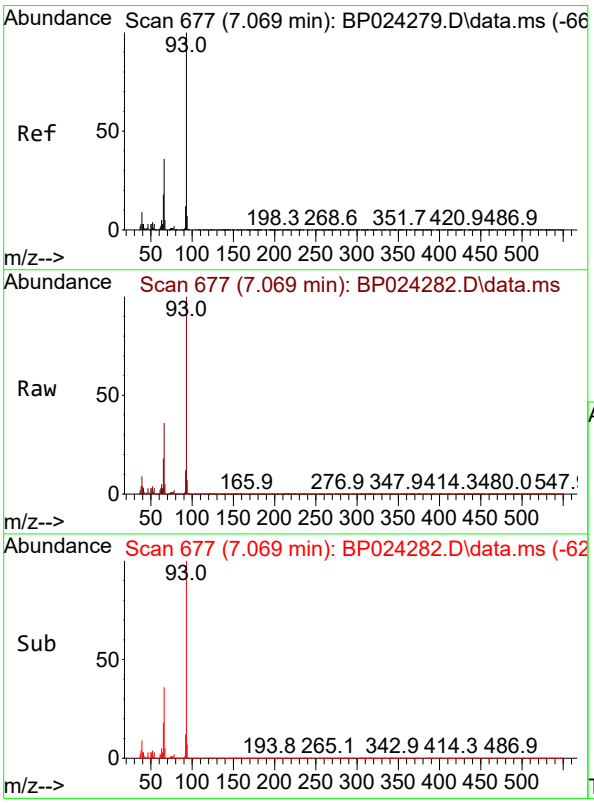
#5
2-Fluorophenol
Concen: 157.905 ng
RT: 5.352 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 2341577

Ion	Ratio	Lower	Upper
112	100		
64	51.6	41.1	61.7
63	26.0	20.6	30.8

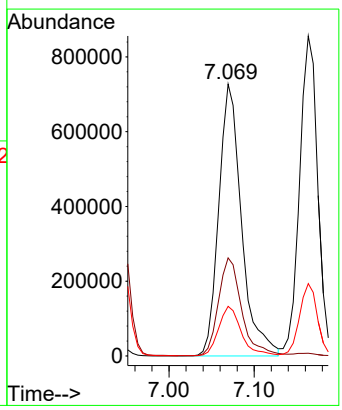


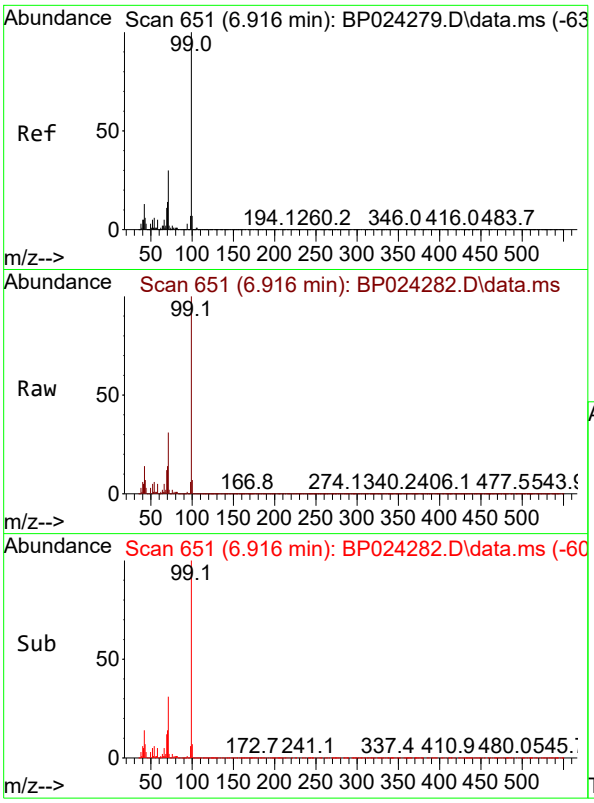


#6
Aniline
Concen: 73.789 ng
RT: 7.069 min Scan# 677
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 93 Resp: 1351337

Ion	Ratio	Lower	Upper
93	100		
66	36.1	29.1	43.7
65	18.2	14.7	22.1



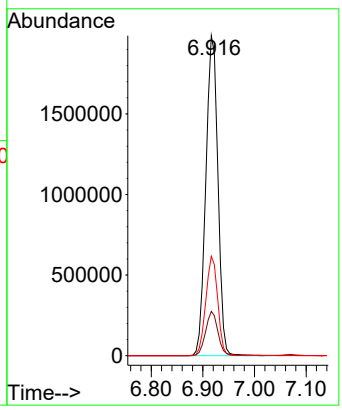


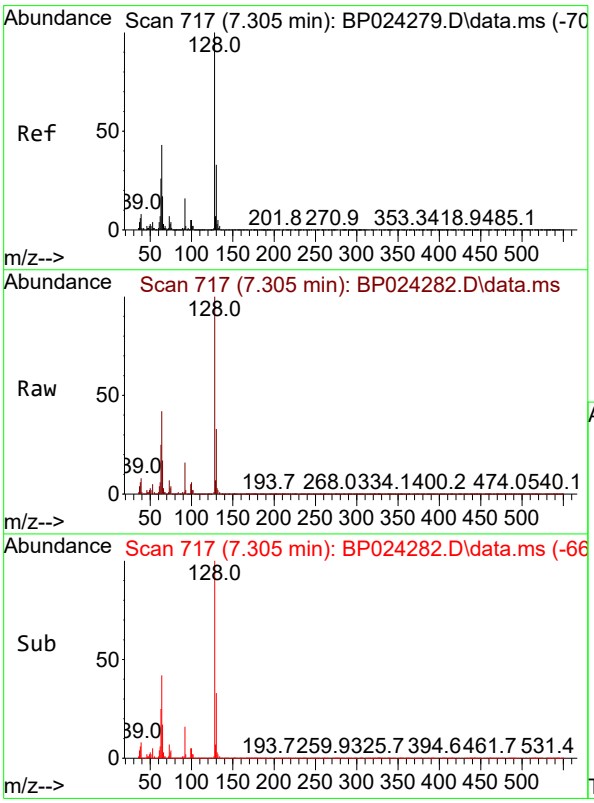
#7
Phenol-d6
Concen: 158.927 ng
RT: 6.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 3224074

Ion	Ratio	Lower	Upper
99	100		
42	13.9	10.6	16.0
71	31.1	23.7	35.5

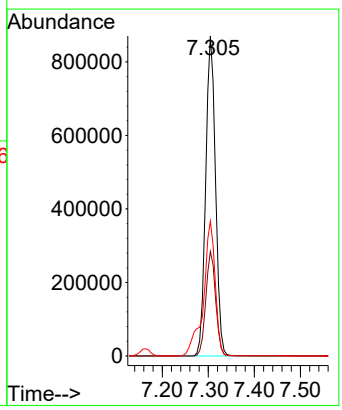


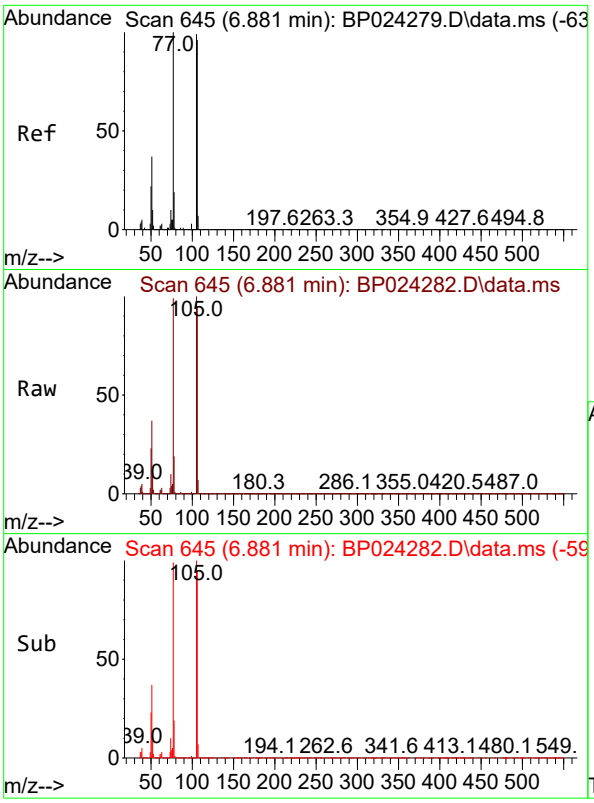


#8
2-Chlorophenol
Concen: 78.433 ng
RT: 7.305 min Scan# 717
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:128 Resp: 1299769

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.9	52.9
64	42.1	22.7	62.7



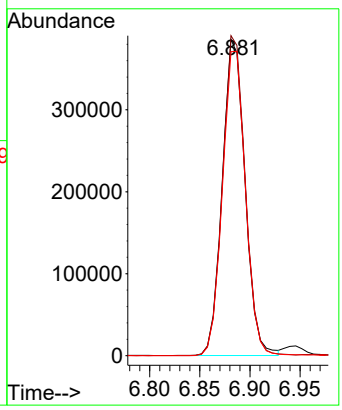


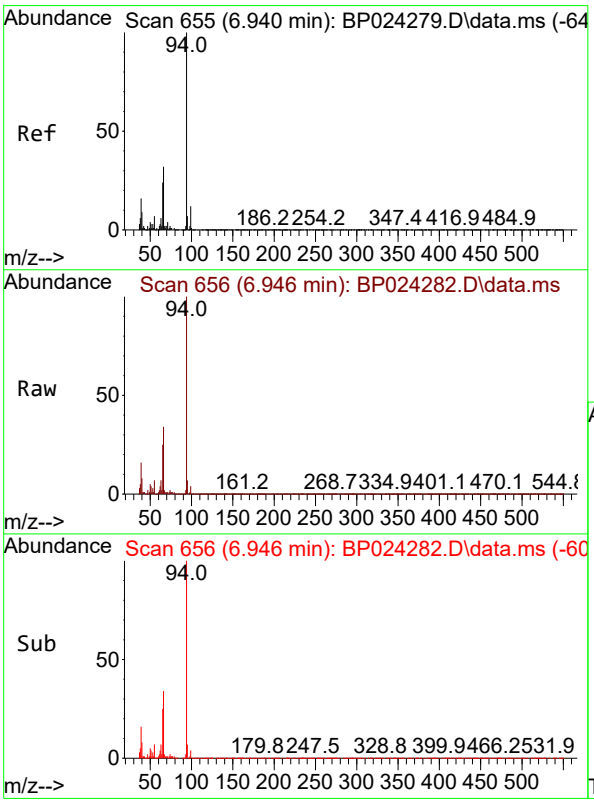
#9
Benzaldehyde
Concen: 57.891 ng
RT: 6.881 min Scan# 64
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 608272

Ion	Ratio	Lower	Upper
77	100		
105	101.2	79.2	119.2
106	96.2	76.2	116.2

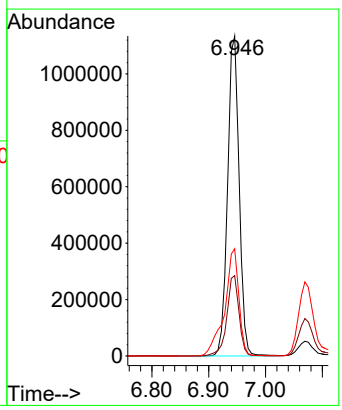


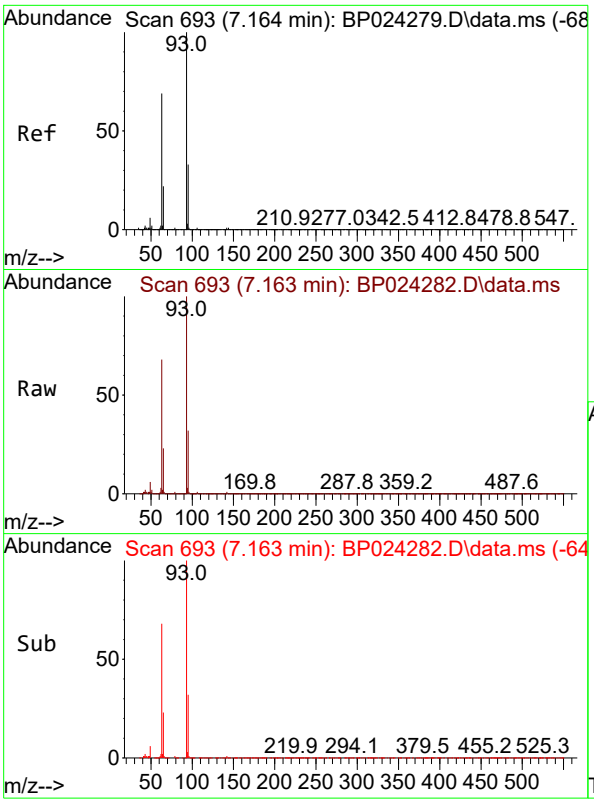


#10
Phenol
Concen: 78.944 ng
RT: 6.946 min Scan# 656
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 94 Resp: 1608027

Ion	Ratio	Lower	Upper
94	100		
65	25.1	4.5	44.5
66	33.5	12.4	52.4



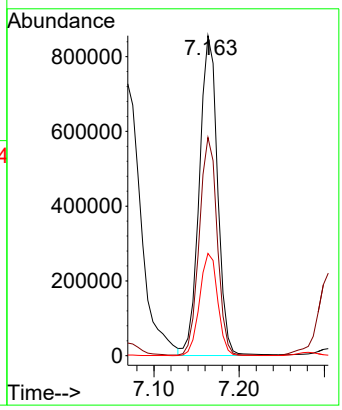


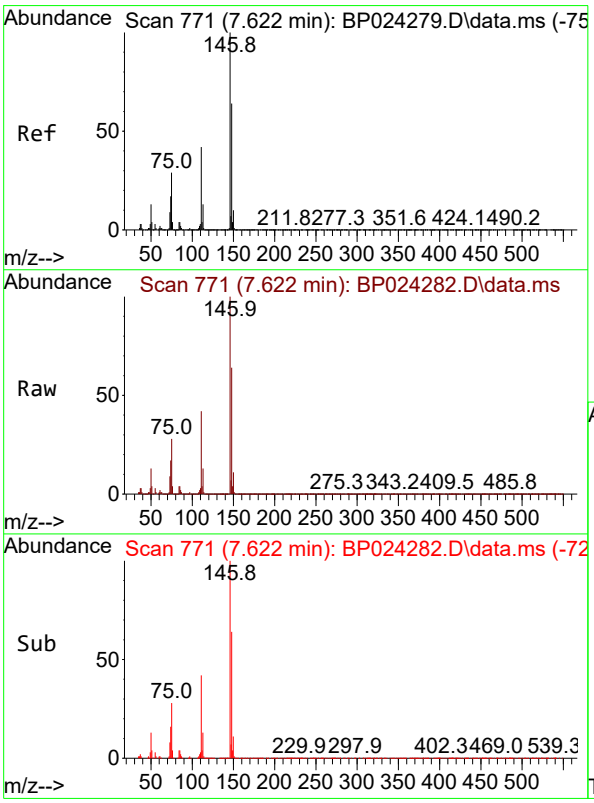
#11
bis(2-Chloroethyl)ether
Concen: 77.297 ng
RT: 7.163 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 1272327

Ion	Ratio	Lower	Upper
93	100		
63	68.2	48.6	88.6
95	31.9	12.3	52.3

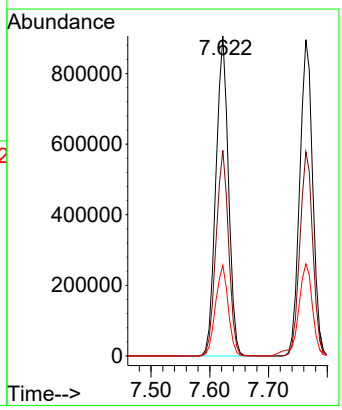


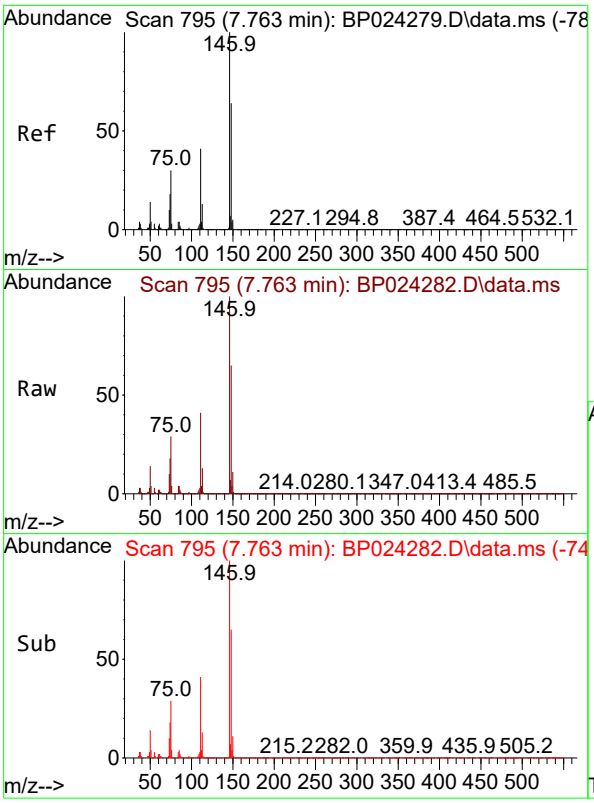


#12
1,3-Dichlorobenzene
Concen: 74.869 ng
RT: 7.622 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:146 Resp: 1344292

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.0
75	28.4	22.9	34.3



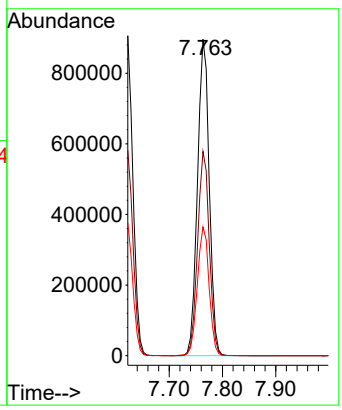


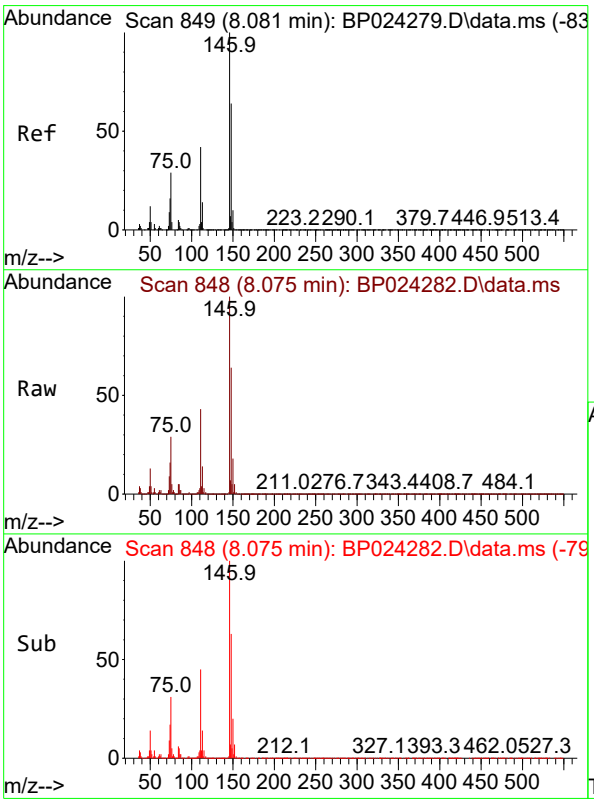
#13
1,4-Dichlorobenzene
Concen: 75.195 ng
RT: 7.763 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 1369087

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.1	76.7
111	40.7	32.6	48.8

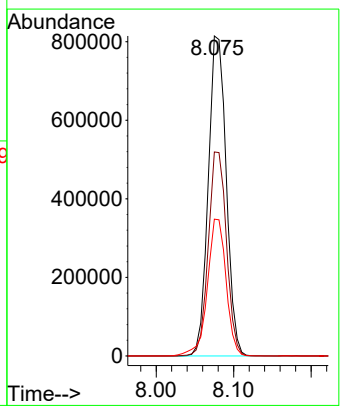


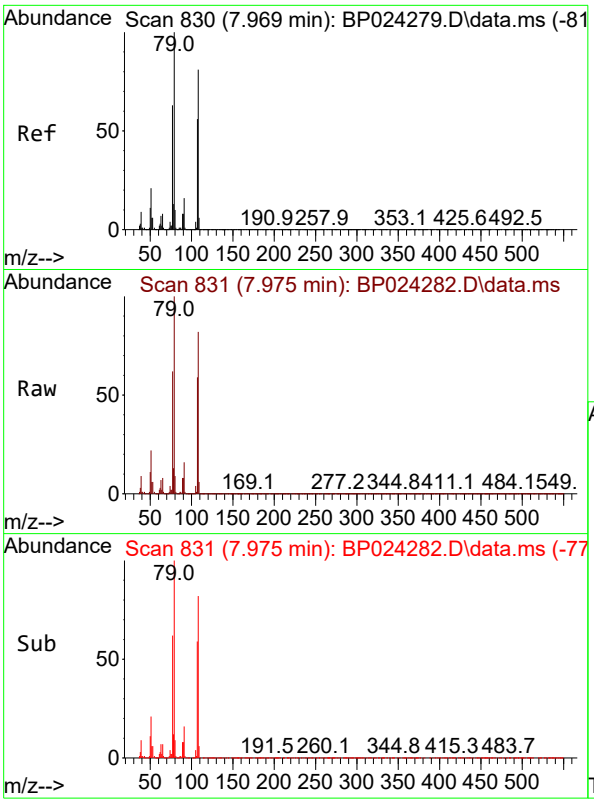


#14
1,2-Dichlorobenzene
Concen: 74.432 ng
RT: 8.075 min Scan# 848
Delta R.T. -0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:146 Resp: 1310407

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
111	42.7	33.8	50.8



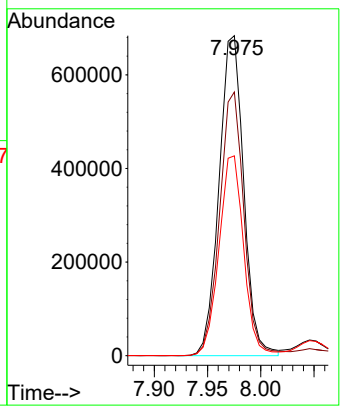


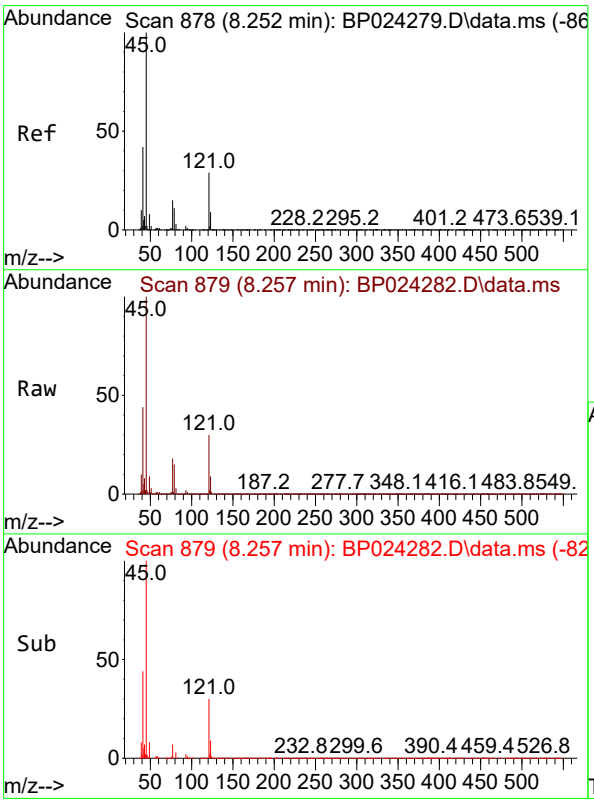
#15
Benzyl Alcohol
Concen: 84.492 ng
RT: 7.975 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 1098602

Ion	Ratio	Lower	Upper
79	100		
108	82.4	65.1	97.7
77	62.4	50.7	76.1

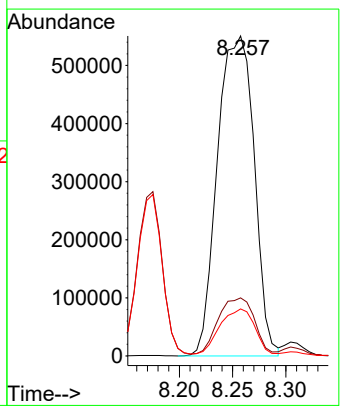


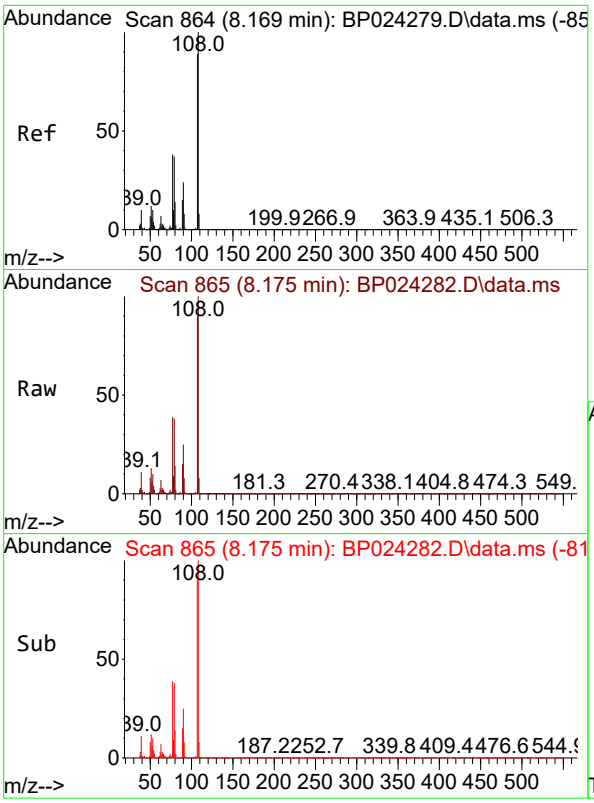


#16
2,2'-oxybis(1-Chloropropane)
Concen: 73.704 ng
RT: 8.257 min Scan# 879
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 45 Resp: 1319830

Ion	Ratio	Lower	Upper
45	100		
77	18.1	0.0	37.7
79	14.7	0.0	33.5



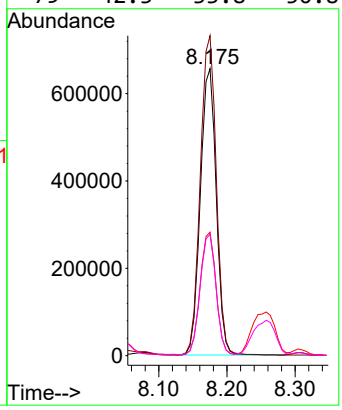


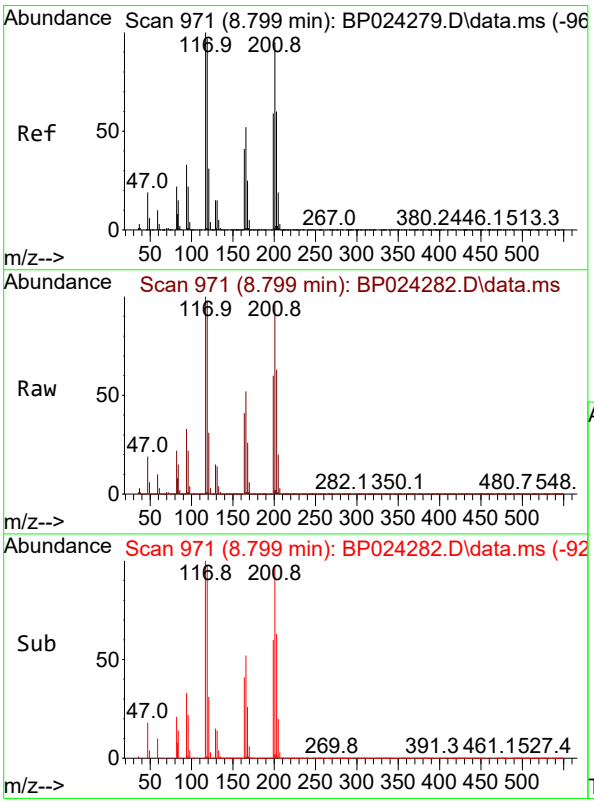
#17
2-Methylphenol
Concen: 81.101 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 1064555

Ion	Ratio	Lower	Upper
107	100		
108	111.5	89.8	134.6
77	43.0	34.2	51.4
79	42.3	33.8	50.8

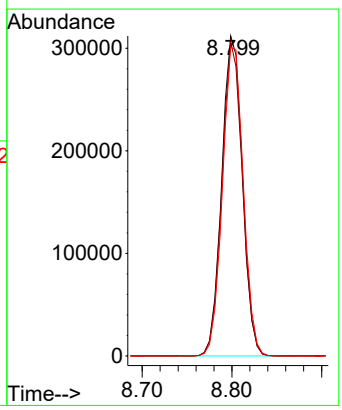


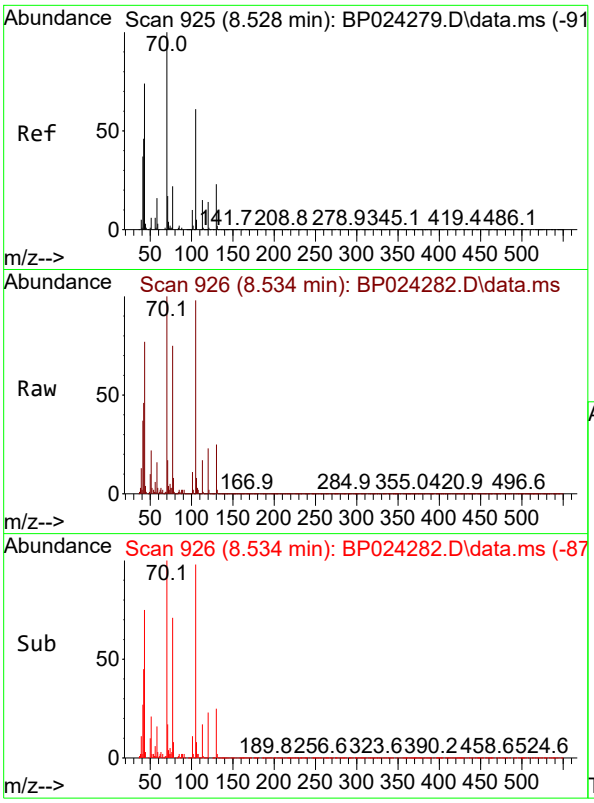


#18
Hexachloroethane
Concen: 75.920 ng
RT: 8.799 min Scan# 971
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:117 Resp: 498897

Ion	Ratio	Lower	Upper
117	100		
119	98.3	77.8	116.6
201	96.5	75.9	113.9



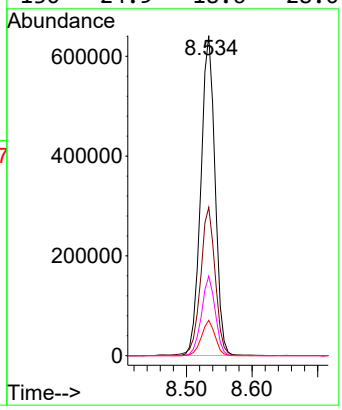


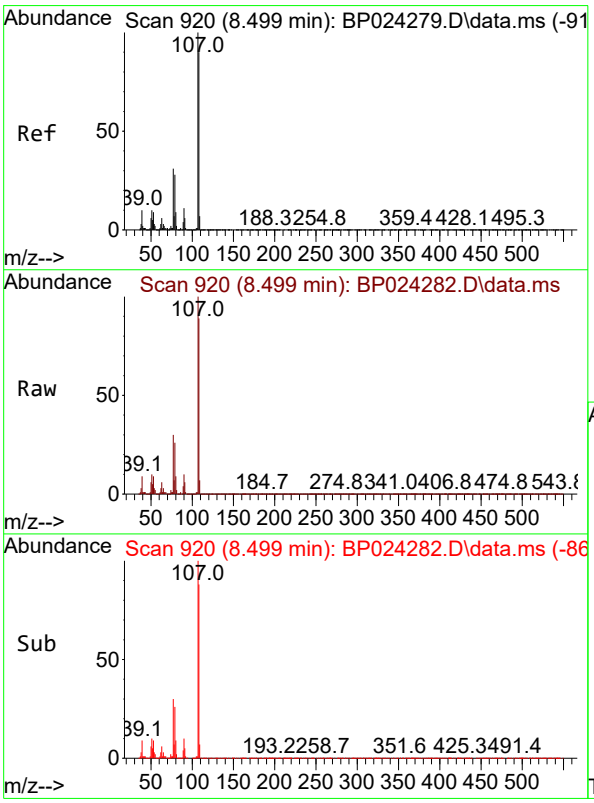
#19
n-Nitroso-di-n-propylamine
Concen: 76.844 ng
RT: 8.534 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 70 Resp: 968278

Ion	Ratio	Lower	Upper
70	100		
42	46.3	37.3	55.9
101	11.0	8.2	12.4
130	24.9	18.6	28.0

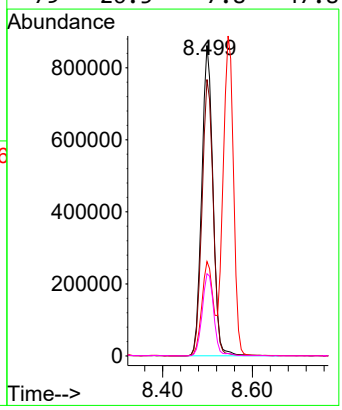


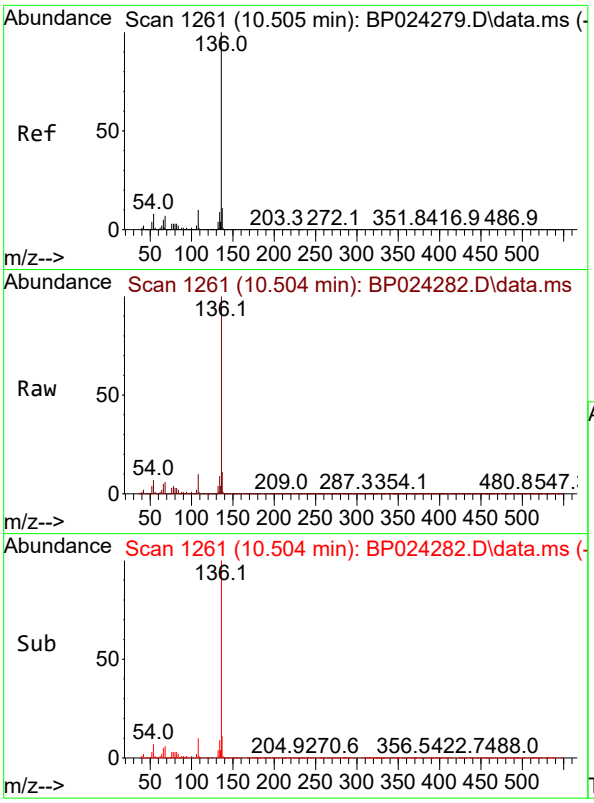


#20
3+4-Methylphenols
Concen: 82.092 ng
RT: 8.499 min Scan# 920
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:107 Resp: 1492527

Ion	Ratio	Lower	Upper
107	100		
108	89.0	69.8	109.8
77	30.4	11.5	51.5
79	26.5	7.8	47.8



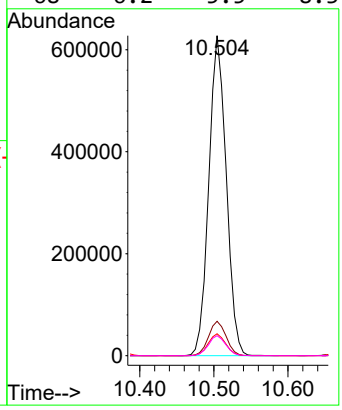


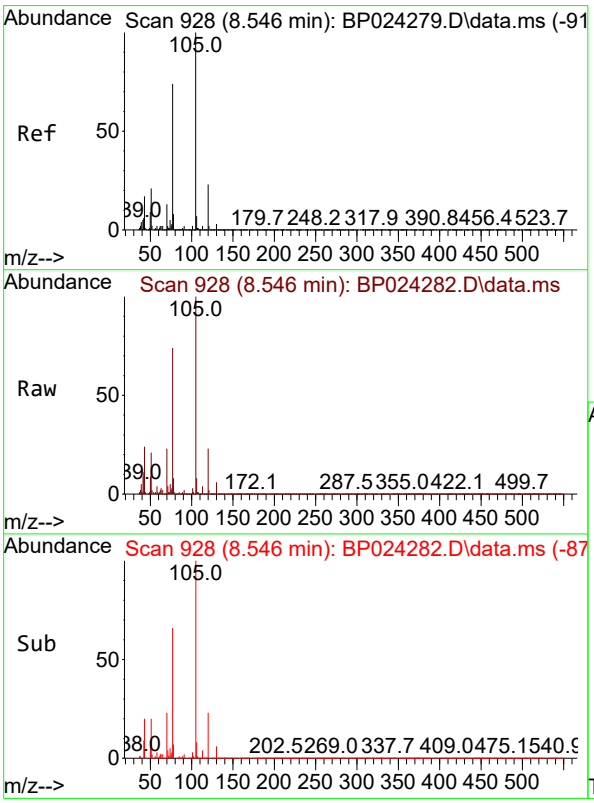
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.504 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 1024316

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	6.9	6.0	9.0
68	6.2	5.5	8.3

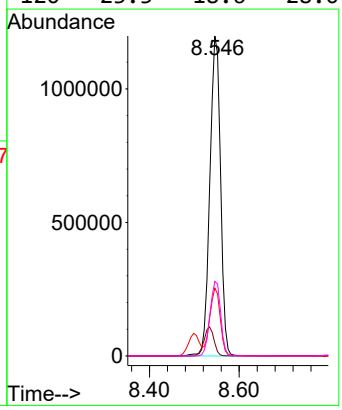


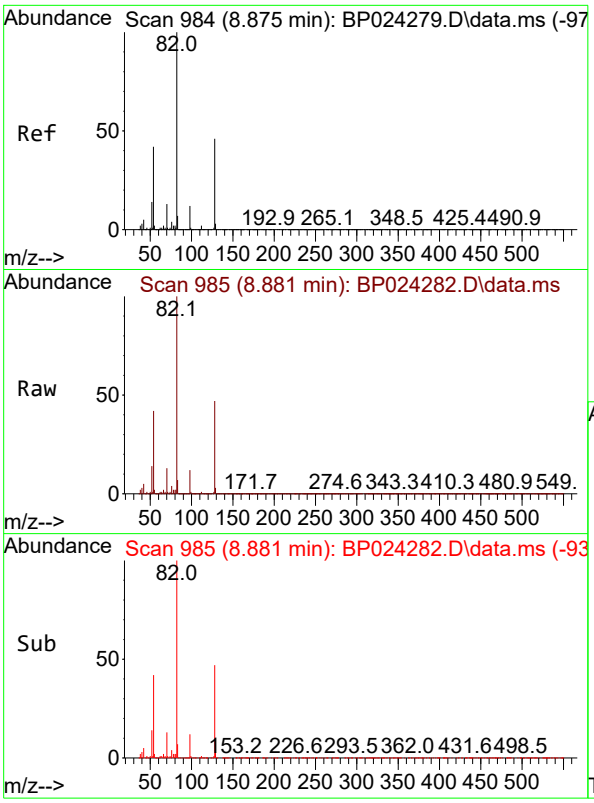


#22
Acetophenone
Concen: 77.680 ng
RT: 8.546 min Scan# 928
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:105 Resp: 1977578

Ion	Ratio	Lower	Upper
105	100		
71	4.0	1.7	2.5#
51	21.2	16.9	25.3
120	23.3	18.6	28.0



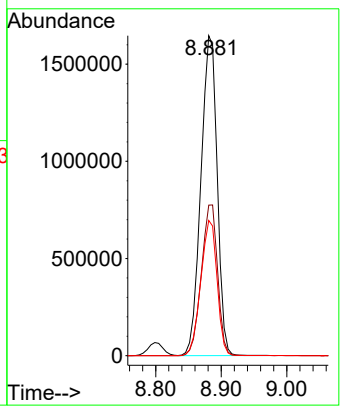


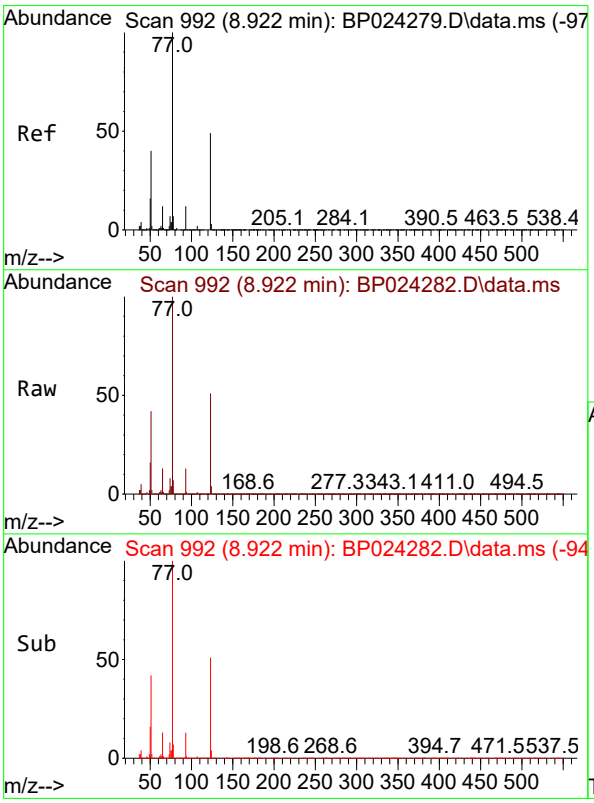
#23
Nitrobenzene-d5
Concen: 158.236 ng
RT: 8.881 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 2847003

Ion	Ratio	Lower	Upper
82	100		
128	47.0	36.5	54.7
54	42.3	33.4	50.2

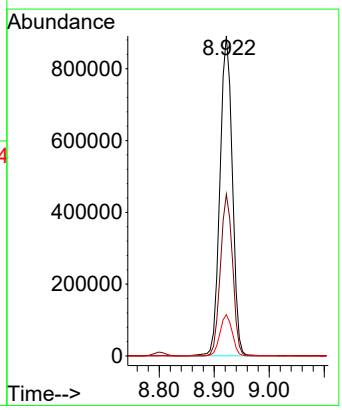


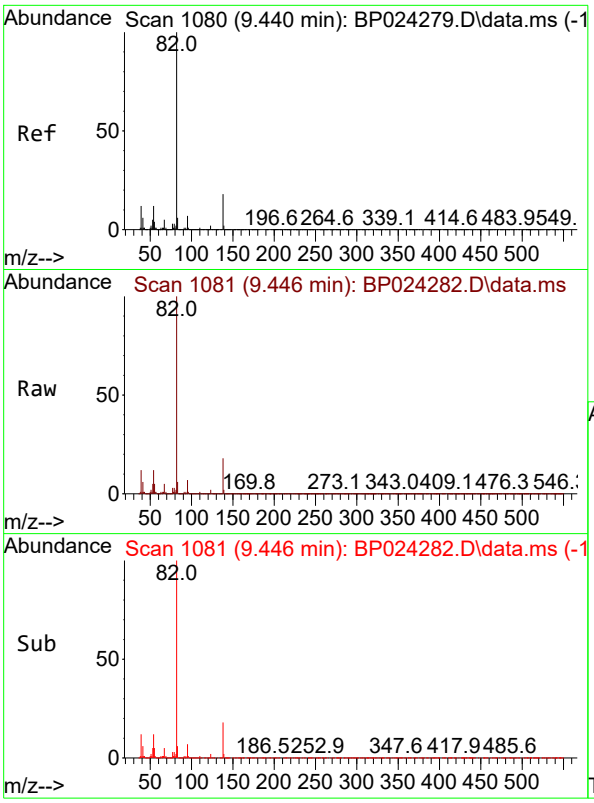


#24
Nitrobenzene
Concen: 78.066 ng
RT: 8.922 min Scan# 992
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 77 Resp: 1392093

Ion	Ratio	Lower	Upper
77	100		
123	50.5	39.2	58.8
65	12.9	9.8	14.6



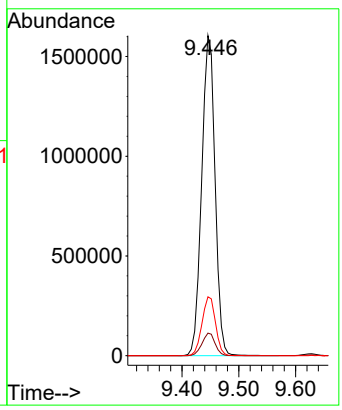


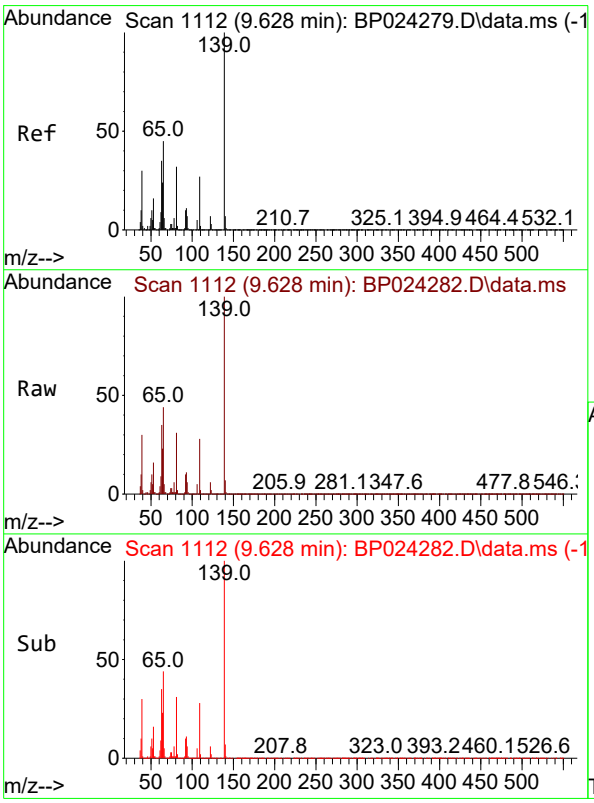
#25
Isophorone
Concen: 80.596 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 2617853

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.4	8.2
138	18.4	14.4	21.6

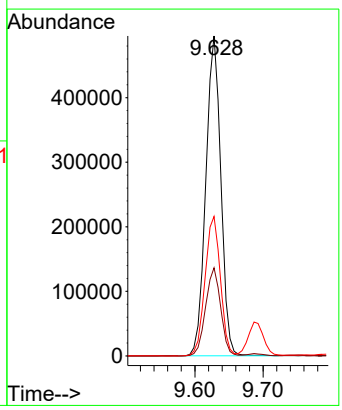


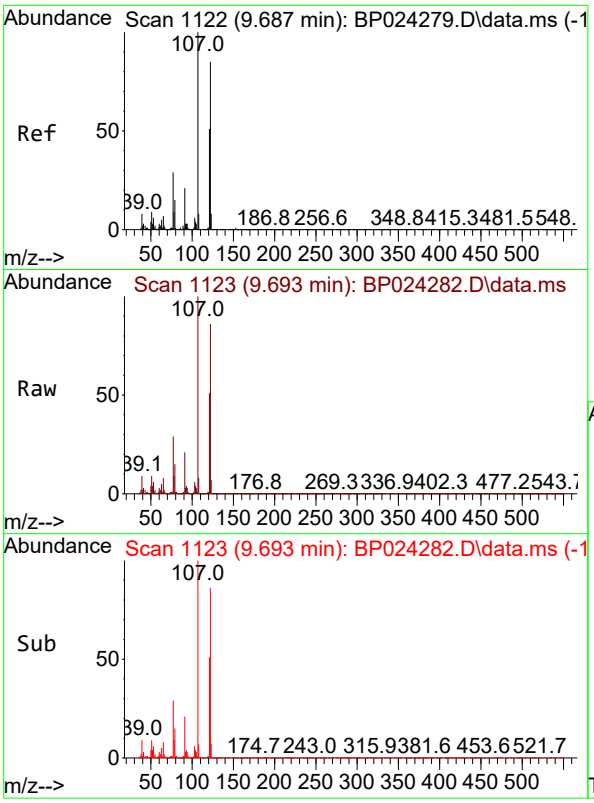


#26
2-Nitrophenol
Concen: 88.768 ng
RT: 9.628 min Scan# 1112
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:139 Resp: 760077

Ion	Ratio	Lower	Upper
139	100		
109	27.5	21.8	32.6
65	43.6	36.2	54.2



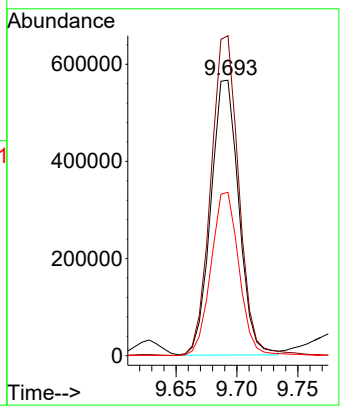


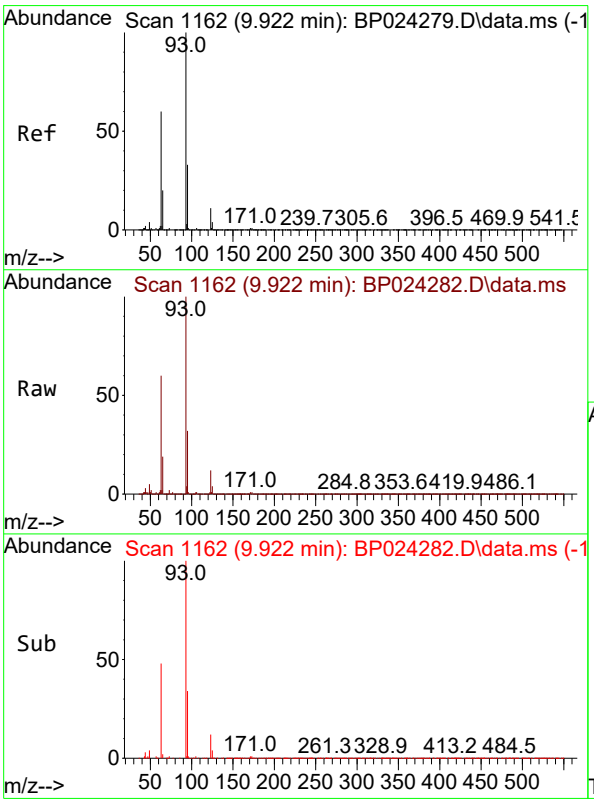
#27
2,4-Dimethylphenol
Concen: 83.475 ng
RT: 9.693 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 905891

Ion	Ratio	Lower	Upper
122	100		
107	116.1	93.7	140.5
121	59.3	48.2	72.2

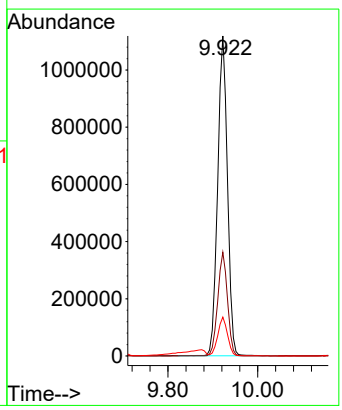


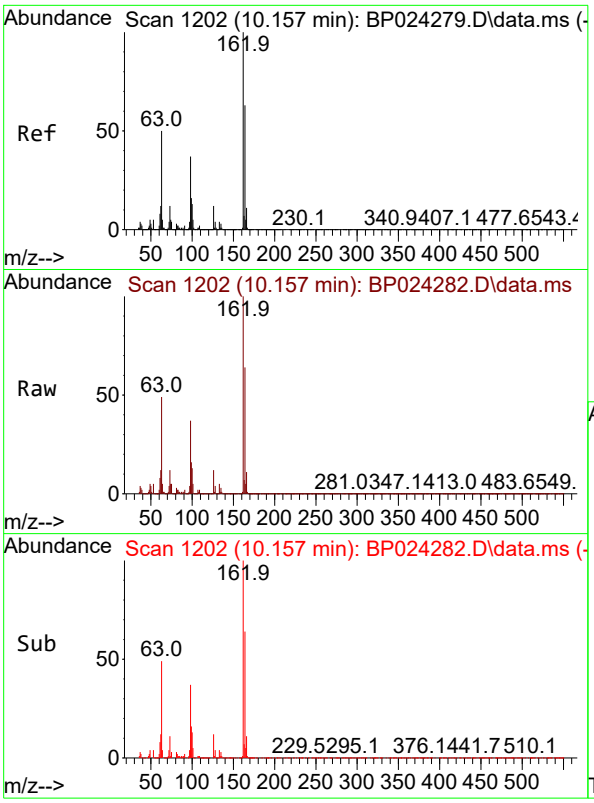


#28
bis(2-Chloroethoxy)methane
Concen: 76.434 ng
RT: 9.922 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 93 Resp: 1689686

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.0	39.0
123	12.2	9.1	13.7



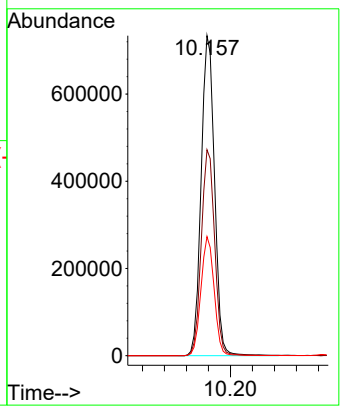


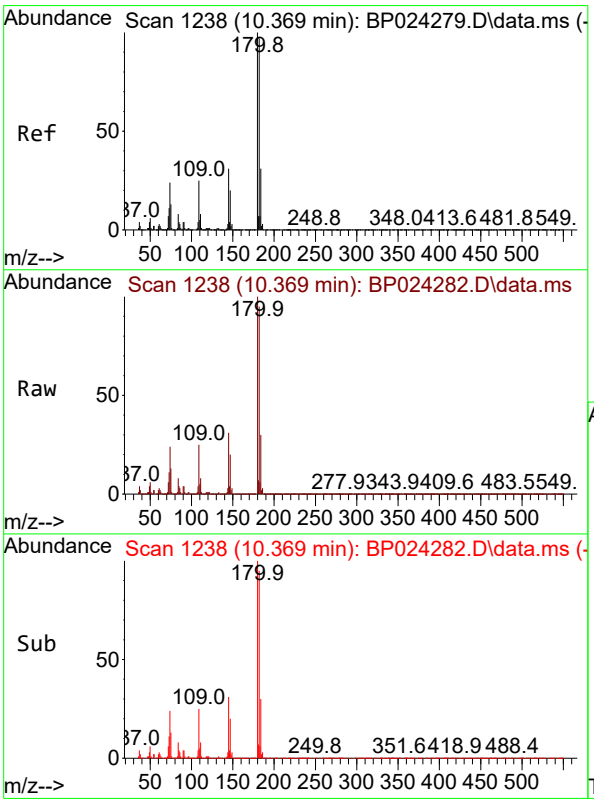
#29
2,4-Dichlorophenol
Concen: 83.719 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 1238253

Ion	Ratio	Lower	Upper
162	100		
164	64.3	43.3	83.3
98	37.2	16.6	56.6

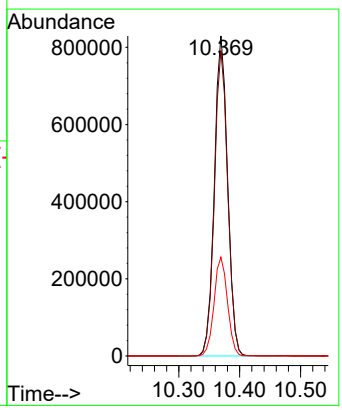


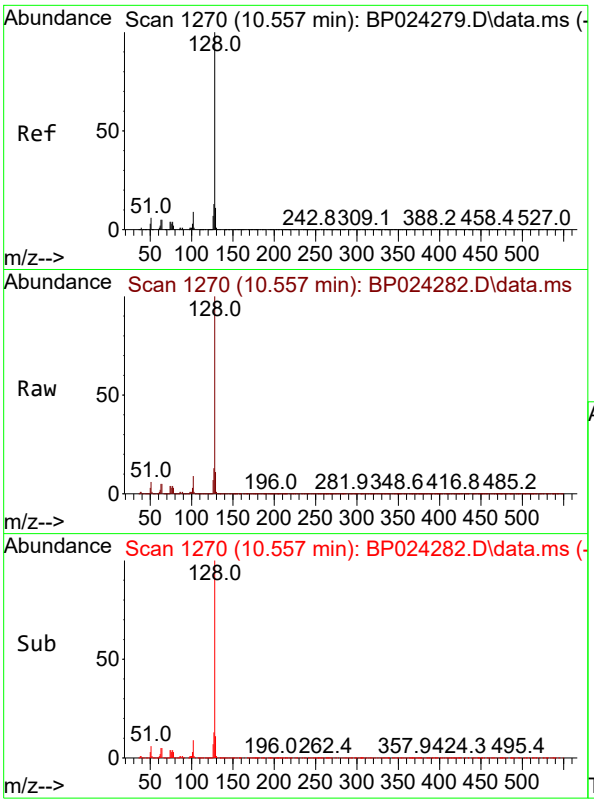


#30
1,2,4-Trichlorobenzene
Concen: 78.272 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:180 Resp: 1252476

Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.3	115.9
145	30.9	25.1	37.7



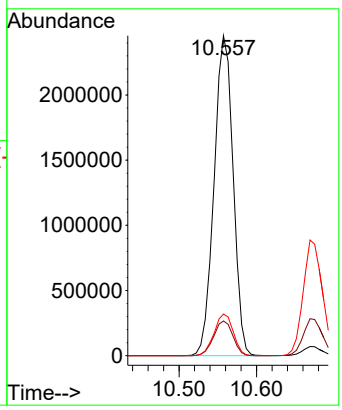


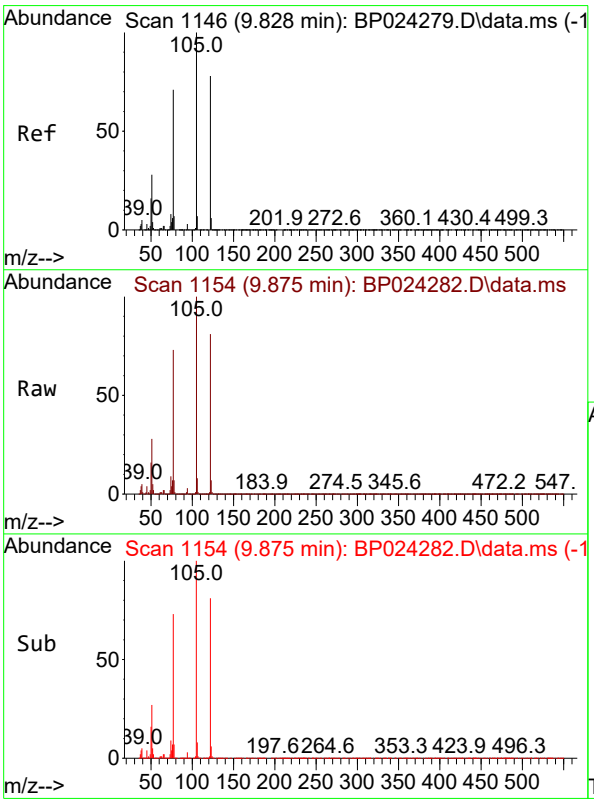
#31
Naphthalene
Concen: 77.287 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:128 Resp: 4190486

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	13.0	10.3	15.5

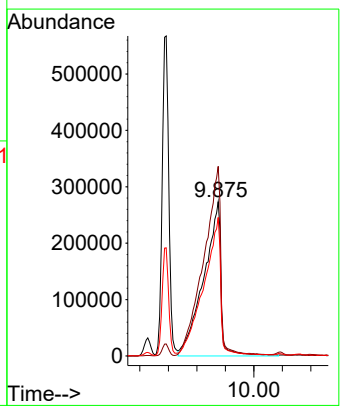


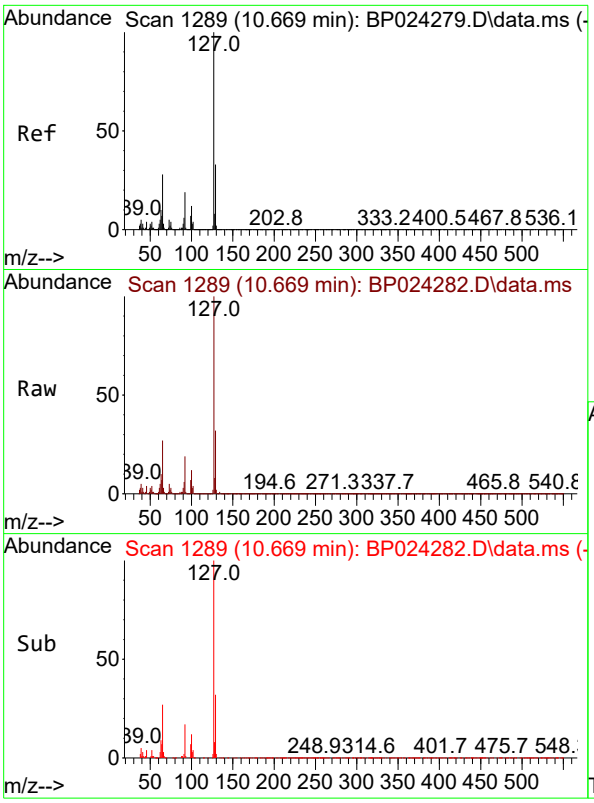


#32
Benzoic acid
Concen: 98.425 ng m
RT: 9.875 min Scan# 1154
Delta R.T. 0.047 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:122 Resp: 1154243

Ion	Ratio	Lower	Upper
122	100		
105	122.9	104.8	144.8
77	89.8	69.2	109.2



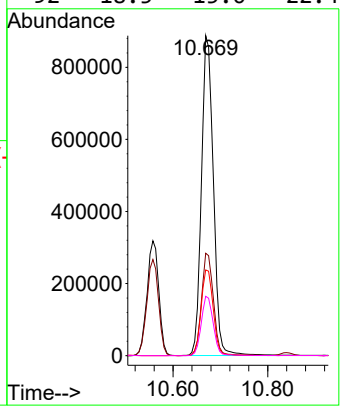


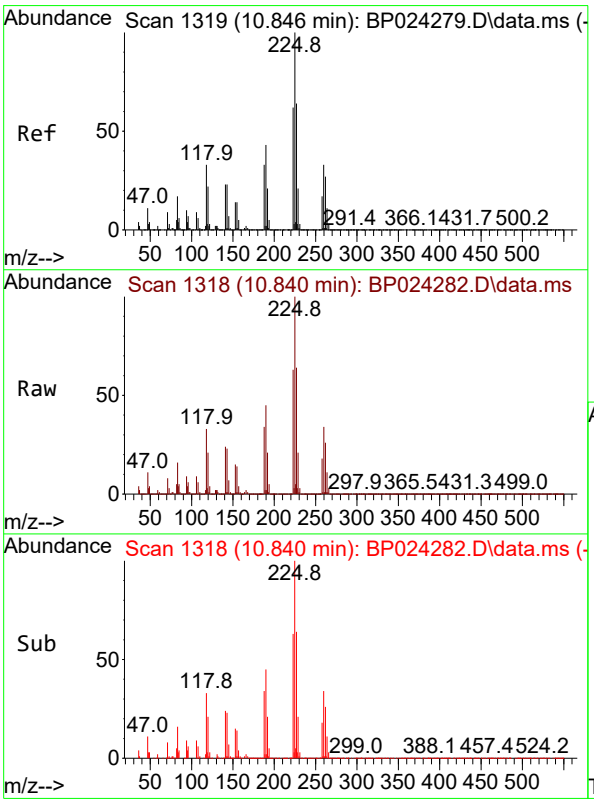
#33
4-Chloroaniline
Concen: 81.682 ng
RT: 10.669 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:127 Resp: 1547427

Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.1	39.1
65	26.8	22.1	33.1
92	18.5	15.0	22.4

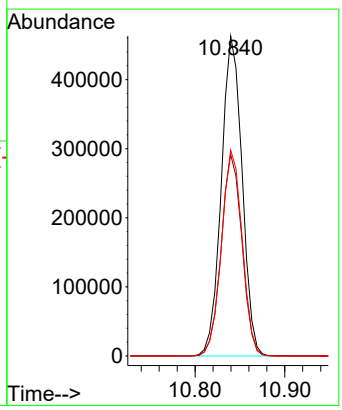


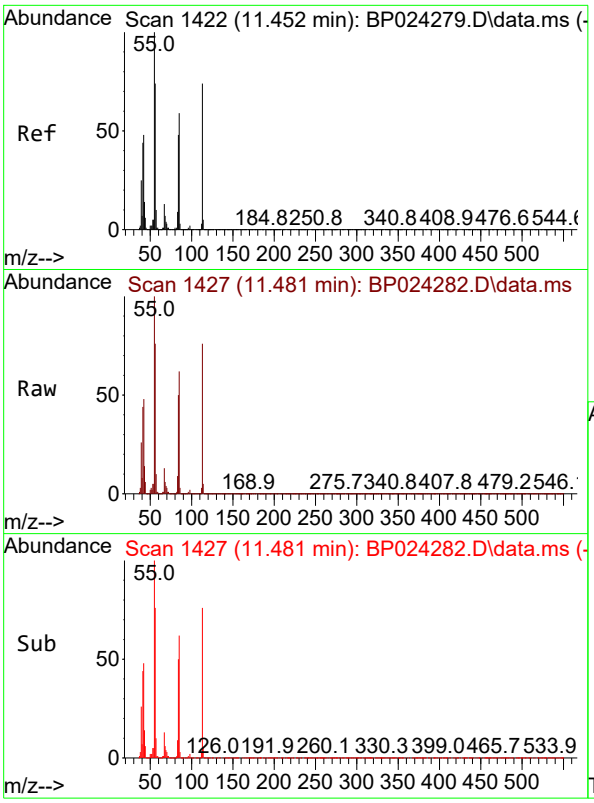


#34
Hexachlorobutadiene
Concen: 79.240 ng
RT: 10.840 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:225 Resp: 743811

Ion	Ratio	Lower	Upper
225	100		
223	63.0	49.5	74.3
227	64.3	50.9	76.3



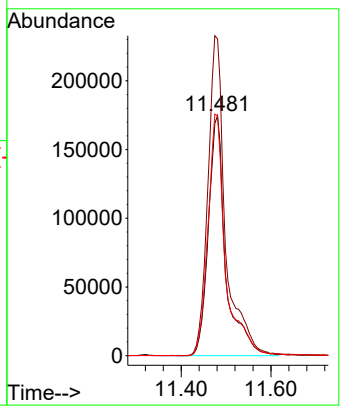


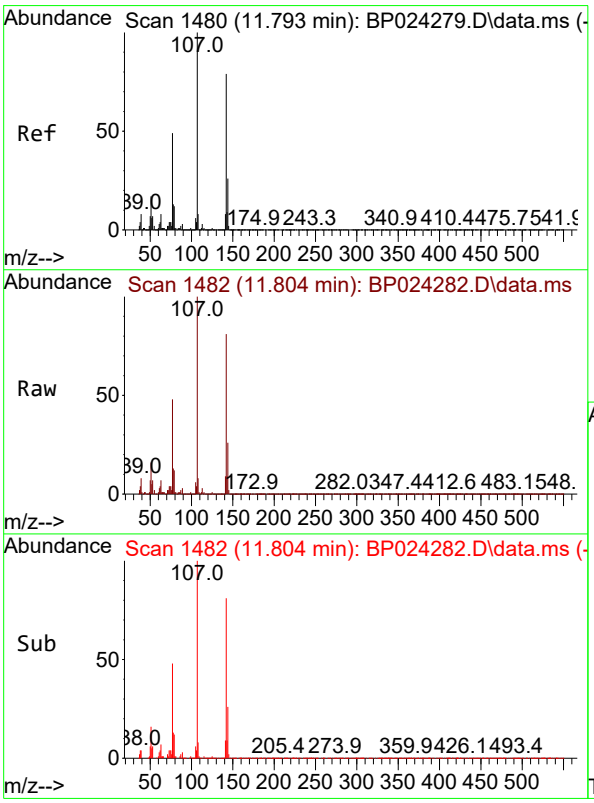
#35
Caprolactam
Concen: 86.534 ng
RT: 11.481 min Scan# 14
Delta R.T. 0.029 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:113 Resp: 469910

Ion	Ratio	Lower	Upper
113	100		
55	131.9	115.9	155.9
56	99.8	81.1	121.1

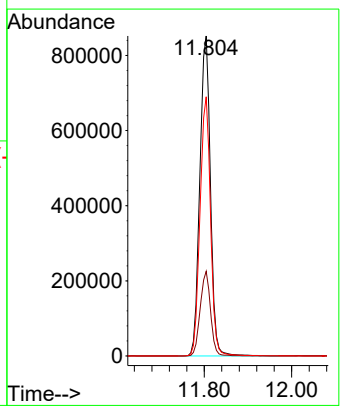


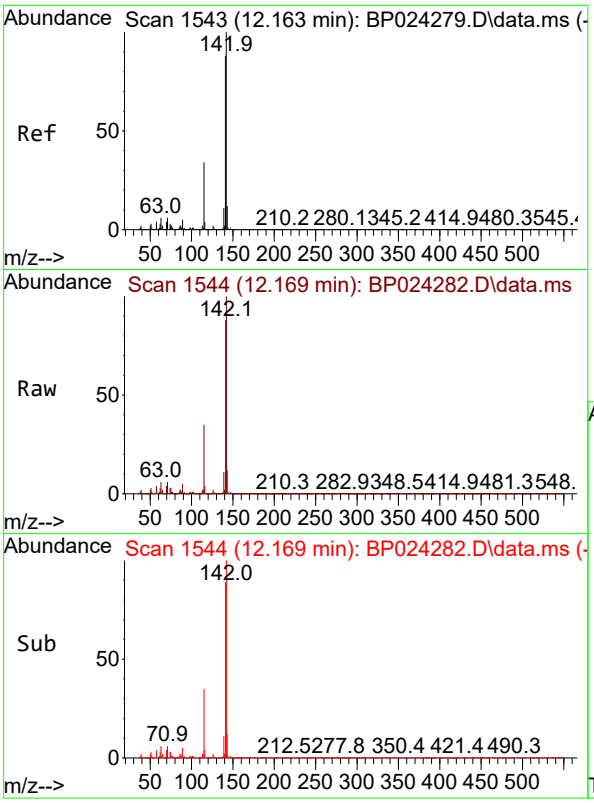


#36
4-Chloro-3-methylphenol
Concen: 83.468 ng
RT: 11.804 min Scan# 1482
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:107 Resp: 1438601

Ion	Ratio	Lower	Upper
107	100		
144	26.4	20.5	30.7
142	81.0	63.4	95.2



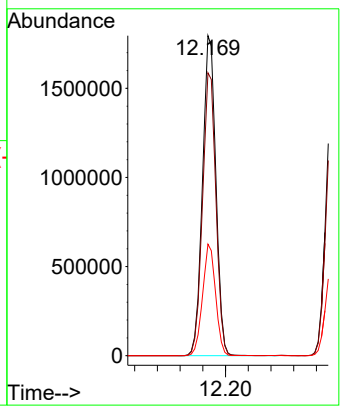


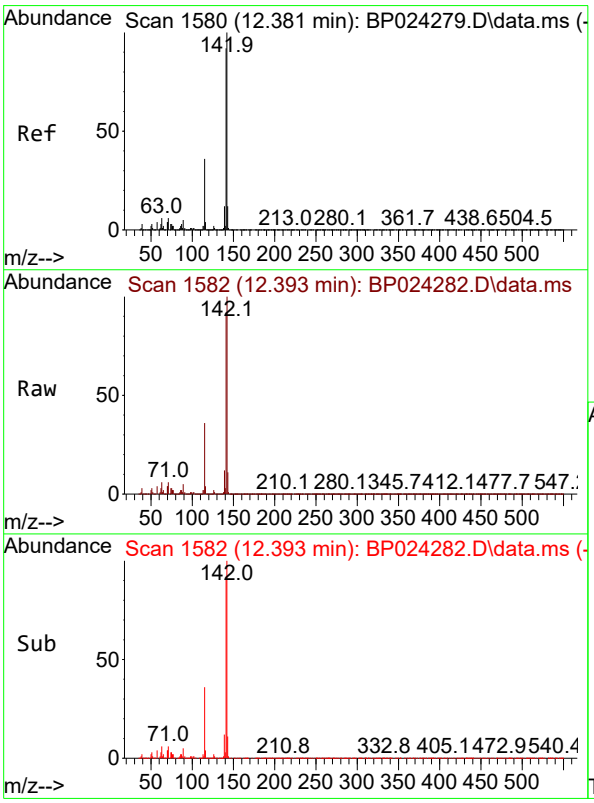
#37
2-Methylnaphthalene
Concen: 77.673 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 2918685

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.3	105.5
115	34.9	26.9	40.3

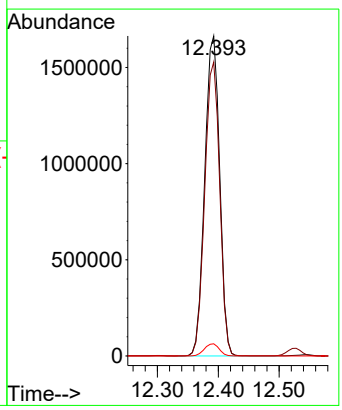


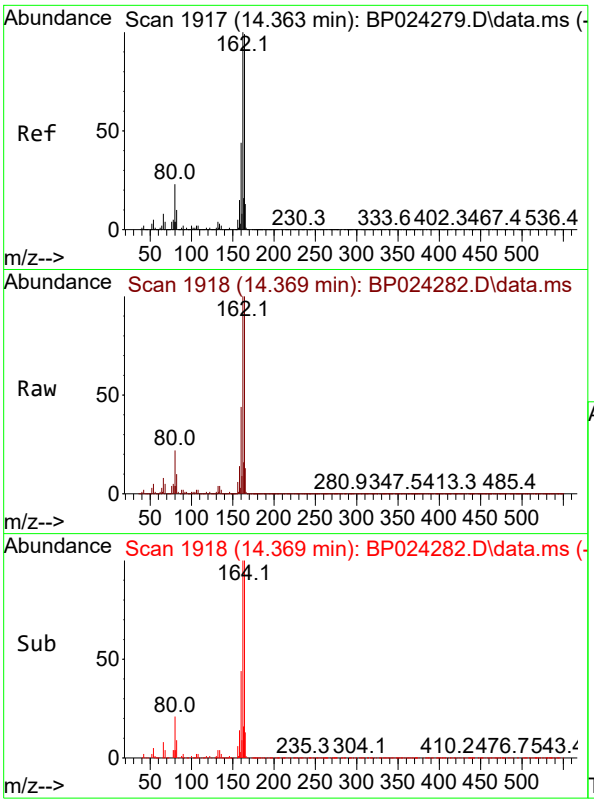


#38
1-Methylnaphthalene
Concen: 76.912 ng
RT: 12.393 min Scan# 1582
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:142 Resp: 2831173

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.6	110.4
116	3.8	3.0	4.6



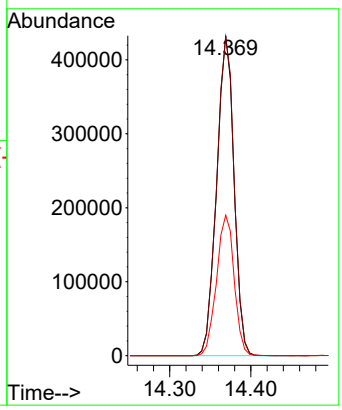


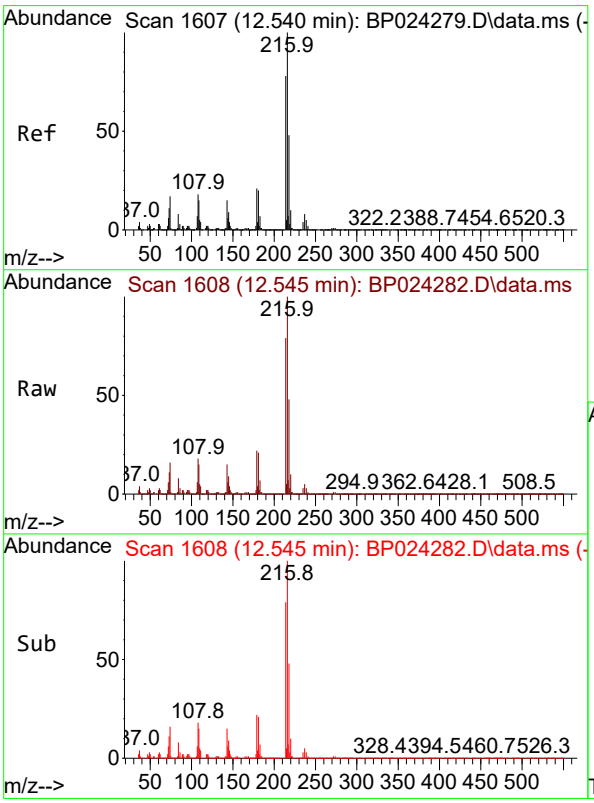
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.369 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:164 Resp: 641442

Ion	Ratio	Lower	Upper
164	100		
162	99.6	80.6	120.8
160	43.9	35.3	52.9

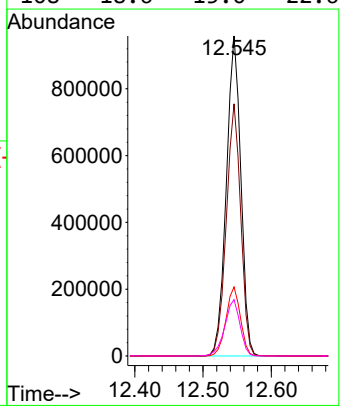


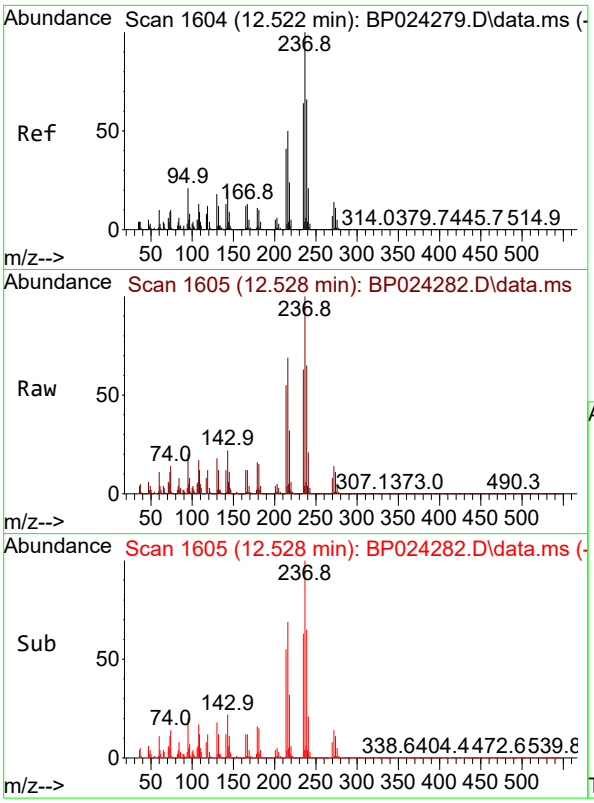


#40
1,2,4,5-Tetrachlorobenzene
Concen: 80.378 ng
RT: 12.545 min Scan# 1608
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:216 Resp: 1416894

Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.6	93.8
179	21.5	17.2	25.8
108	18.6	15.0	22.6



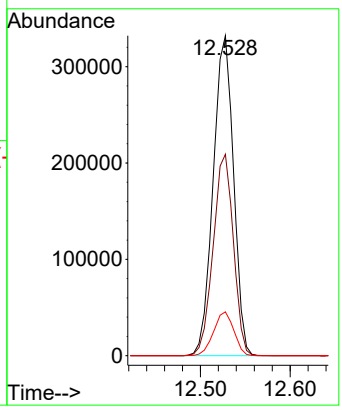


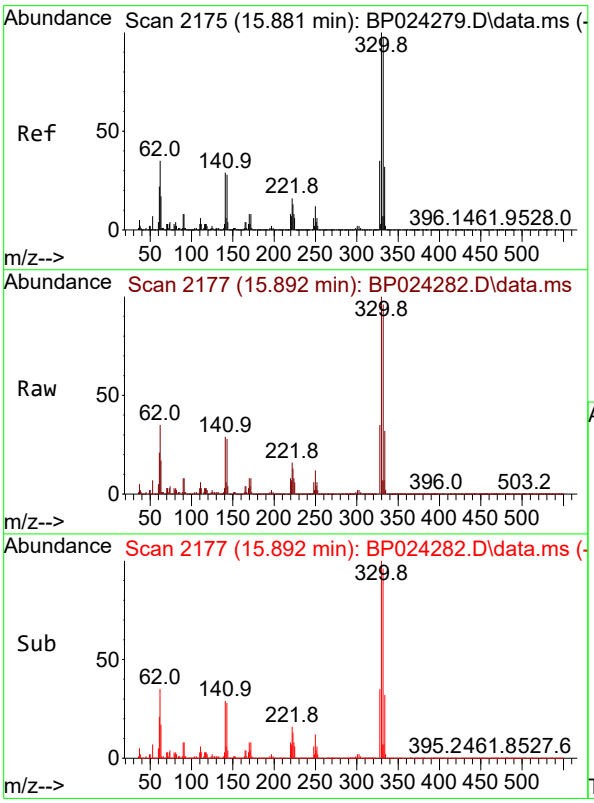
#41
Hexachlorocyclopentadiene
Concen: 84.532 ng
RT: 12.528 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:237 Resp: 523136

Ion	Ratio	Lower	Upper
237	100		
235	62.9	43.9	83.9
272	13.7	0.0	33.6

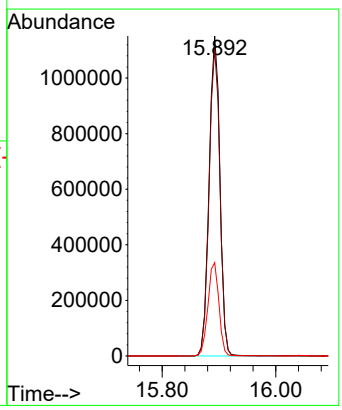


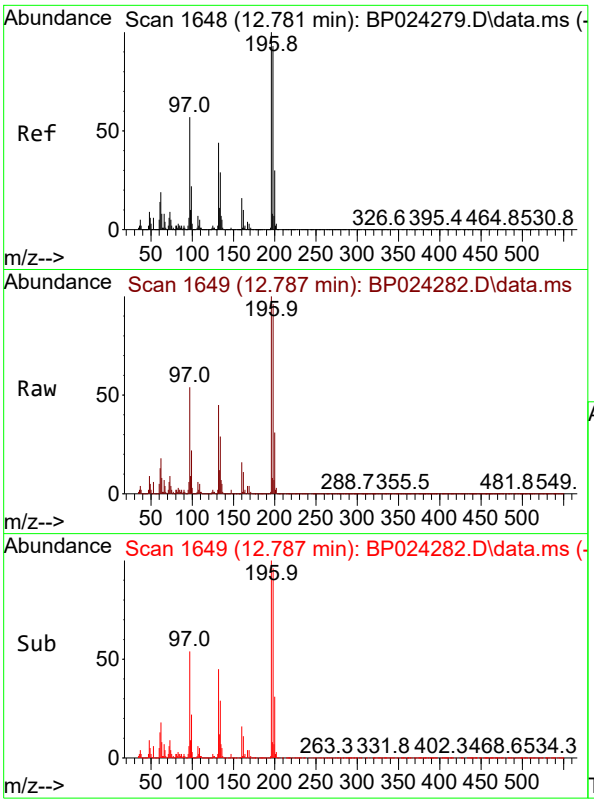


#42
2,4,6-Tribromophenol
Concen: 171.633 ng
RT: 15.892 min Scan# 2177
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:330 Resp: 1507534

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.1	115.7
141	29.7	24.7	37.1



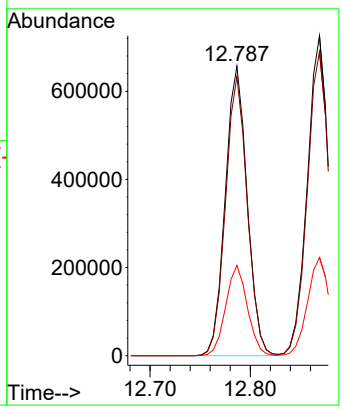


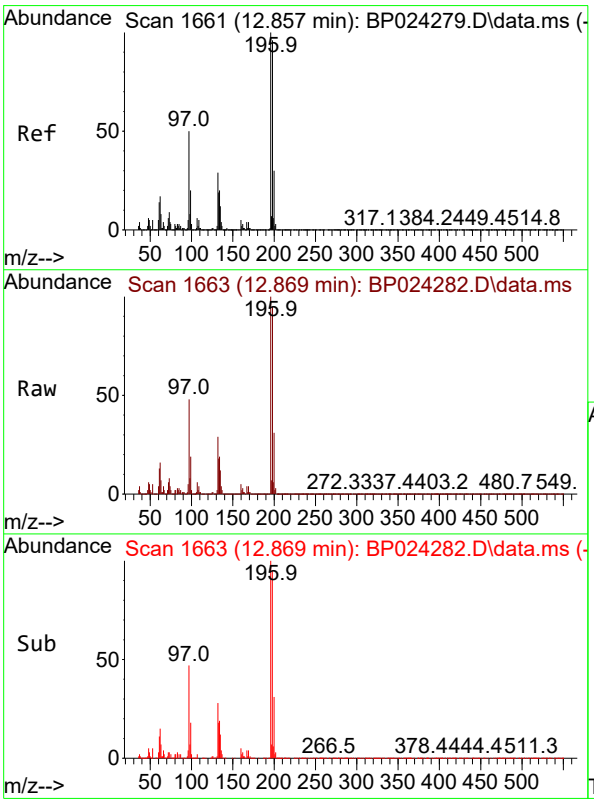
#43
2,4,6-Trichlorophenol
Concen: 86.244 ng
RT: 12.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 1000309

Ion	Ratio	Lower	Upper
196	100		
198	96.5	74.3	111.5
200	31.2	24.0	36.0

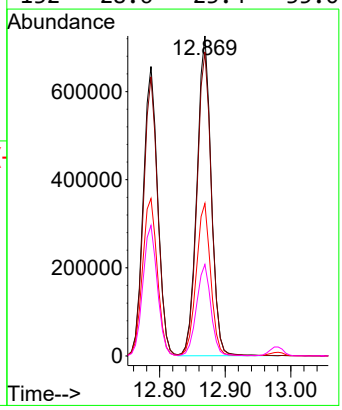


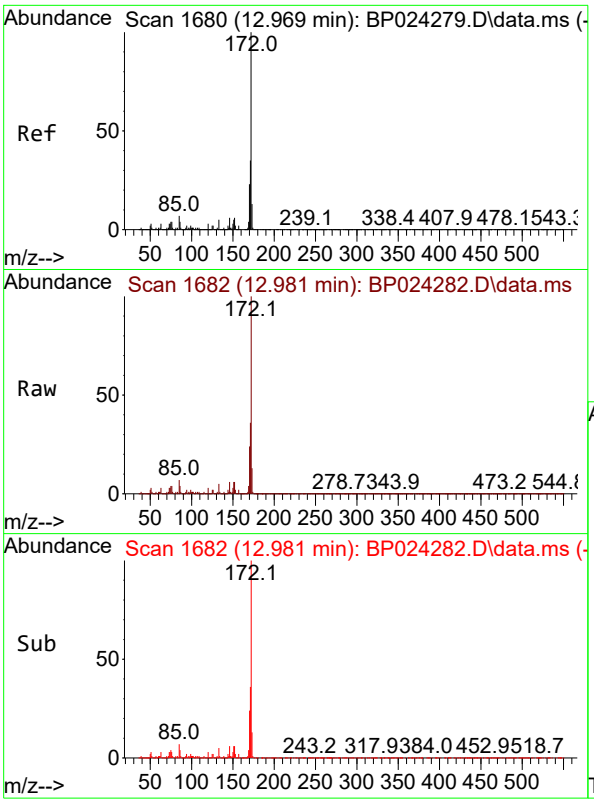


#44
2,4,5-Trichlorophenol
Concen: 85.819 ng
RT: 12.869 min Scan# 1663
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:196 Resp: 1103073

Ion	Ratio	Lower	Upper
196	100		
198	95.0	77.3	115.9
97	47.7	40.4	60.6
132	28.6	23.4	35.0



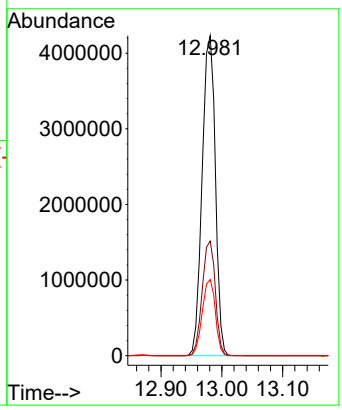


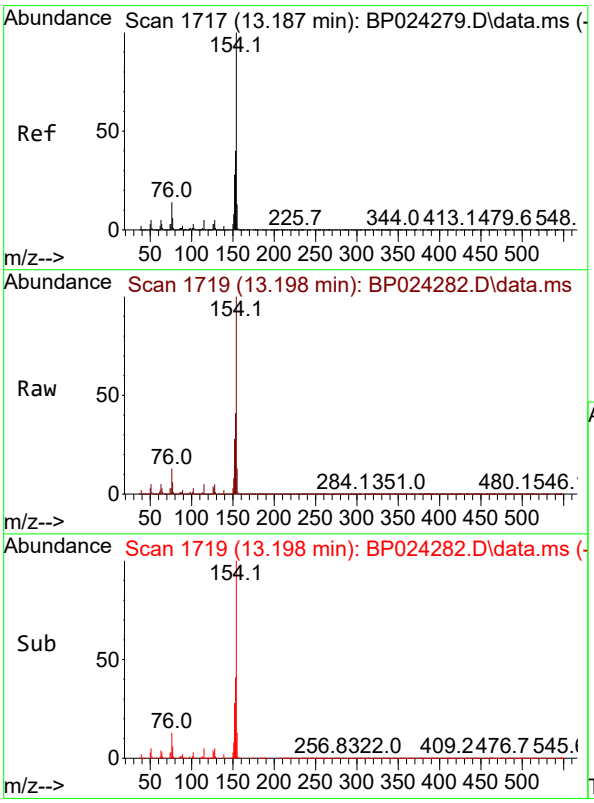
#45
2-Fluorobiphenyl
Concen: 150.596 ng
RT: 12.981 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:172 Resp: 6362479

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.2	42.2
170	23.8	18.6	27.8

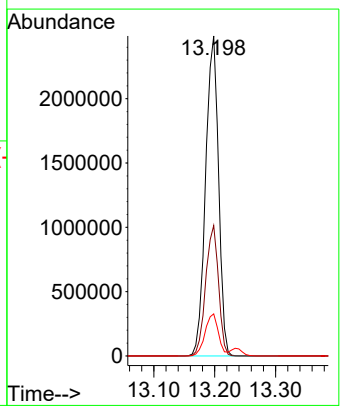


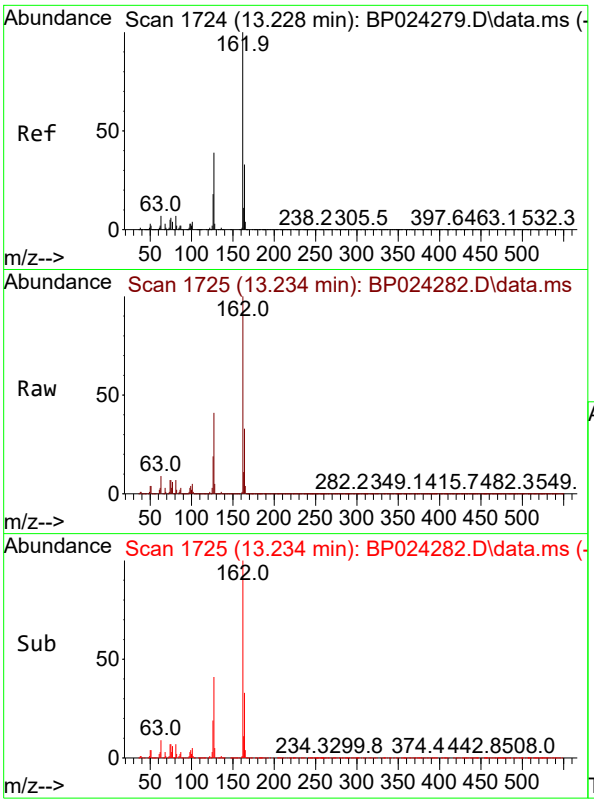


#46
1,1'-Biphenyl
Concen: 77.381 ng
RT: 13.198 min Scan# 1719
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:154 Resp: 3665607

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.3	60.3
76	13.2	0.0	33.5



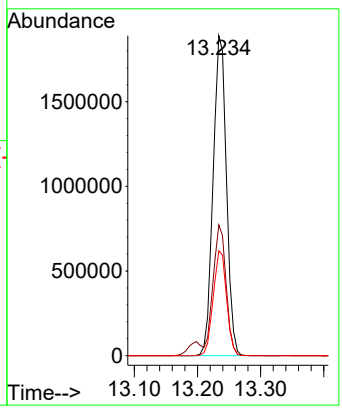


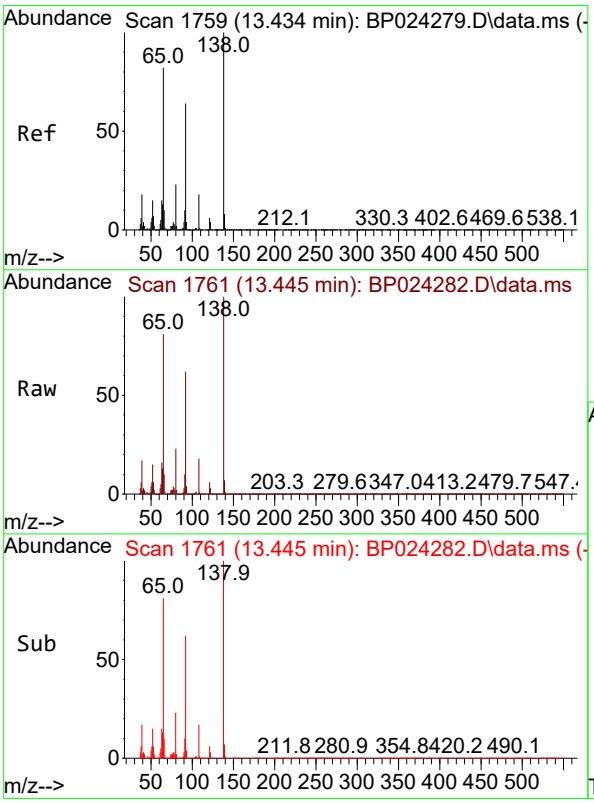
#47
2-Chloronaphthalene
Concen: 78.257 ng
RT: 13.234 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 2766302

Ion	Ratio	Lower	Upper
162	100		
127	40.9	31.9	47.9
164	32.8	26.2	39.4

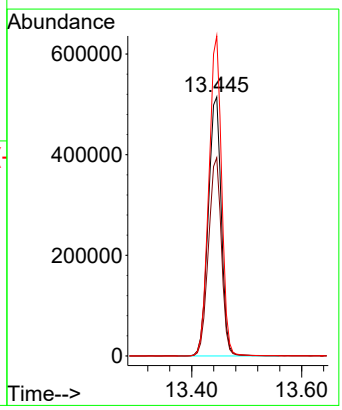


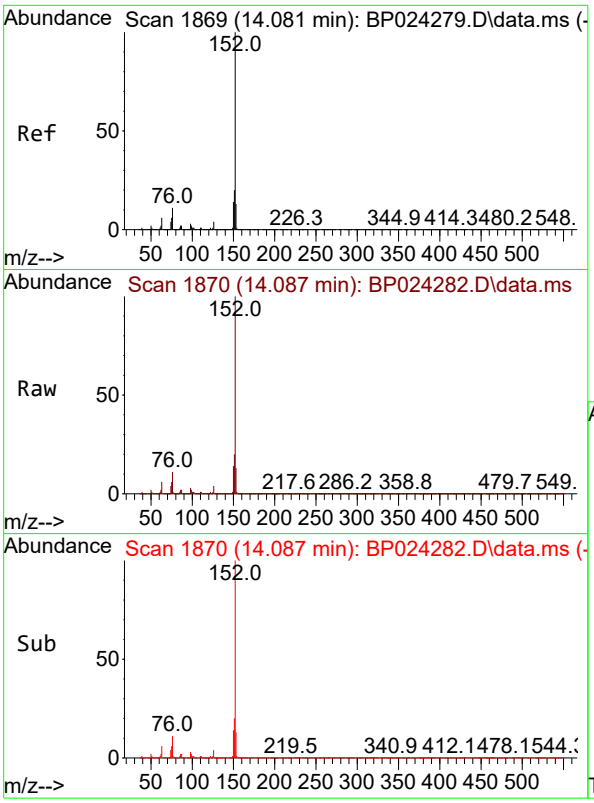


#48
2-Nitroaniline
Concen: 86.912 ng
RT: 13.445 min Scan# 1761
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 65 Resp: 848619

Ion	Ratio	Lower	Upper
65	100		
92	76.5	62.3	93.5
138	123.5	97.2	145.8



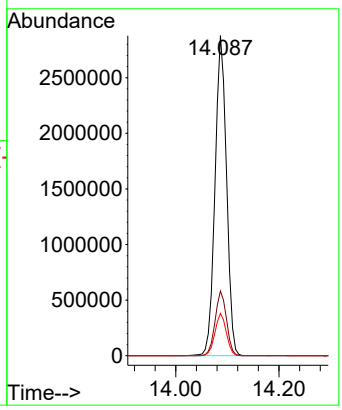


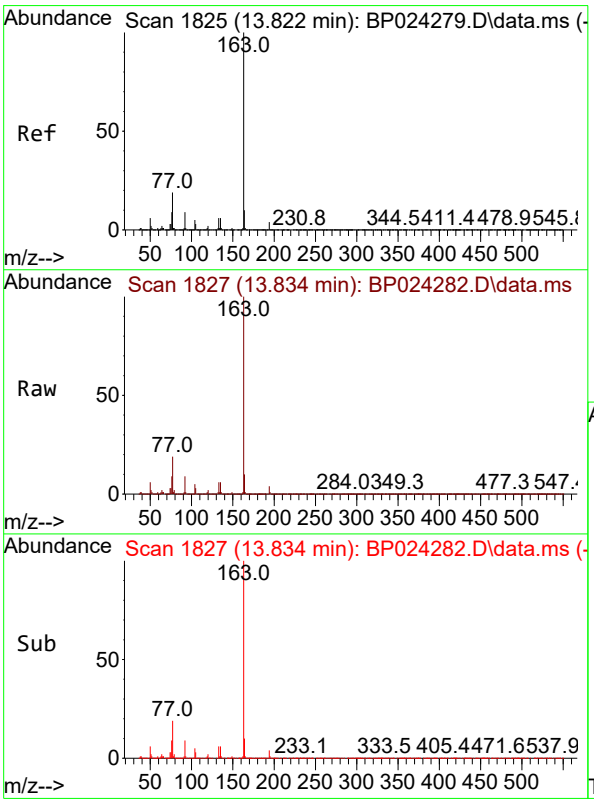
#49
Acenaphthylene
Concen: 80.004 ng
RT: 14.087 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 4438648

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9
153	13.2	10.6	15.8

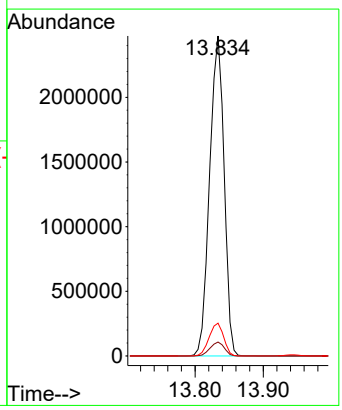


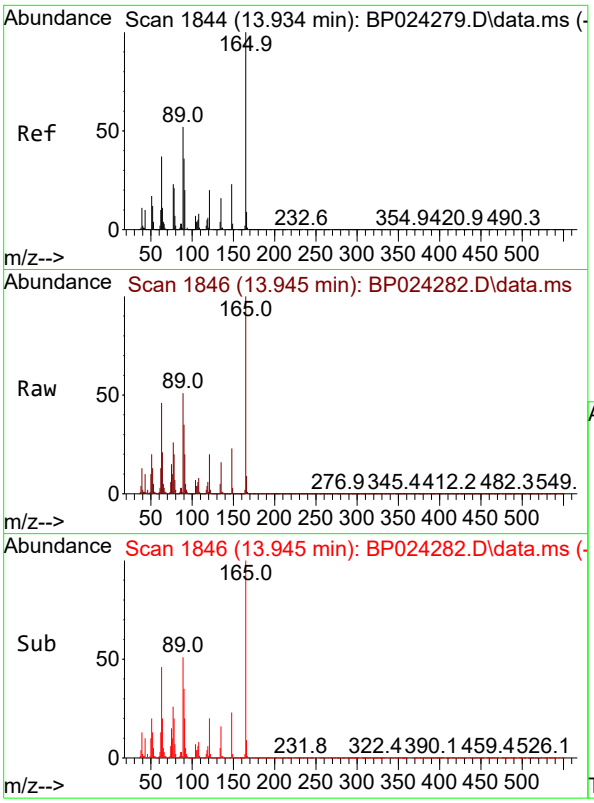


#50
Dimethylphthalate
Concen: 78.201 ng
RT: 13.834 min Scan# 1827
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:163 Resp: 3659579

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.3	8.0	12.0



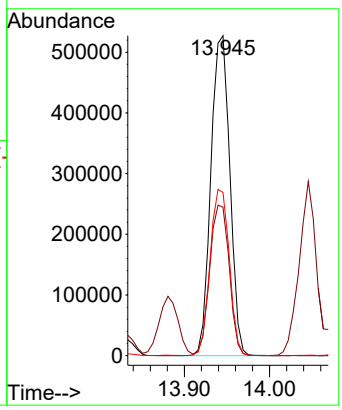


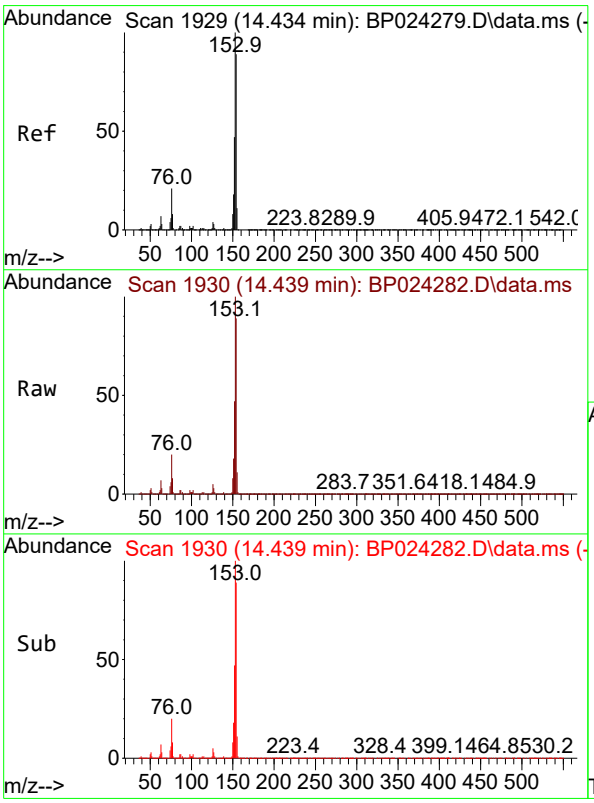
#51
2,6-Dinitrotoluene
Concen: 82.589 ng
RT: 13.945 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 814314

Ion	Ratio	Lower	Upper
165	100		
63	46.4	38.0	57.0
89	51.0	41.7	62.5

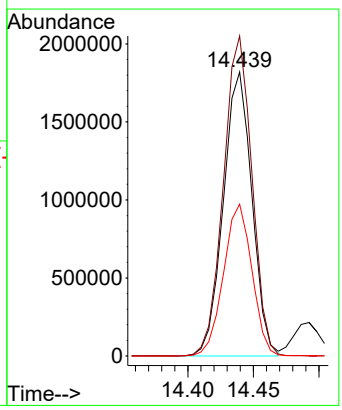


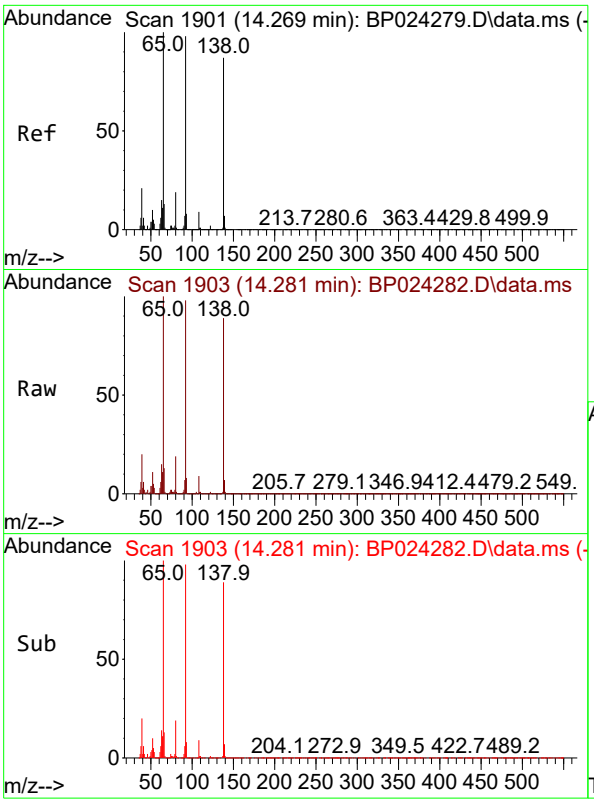


#52
Acenaphthene
Concen: 78.270 ng
RT: 14.439 min Scan# 1930
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:154 Resp: 2761536

Ion	Ratio	Lower	Upper
154	100		
153	112.7	89.8	134.6
152	53.5	42.6	63.8



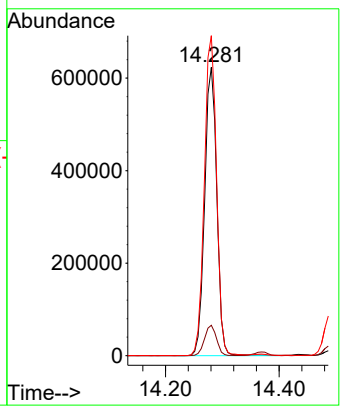


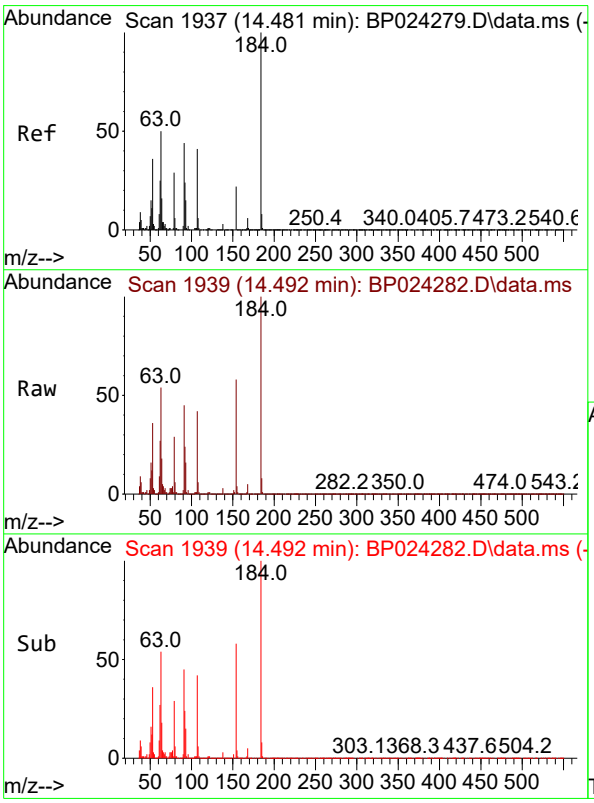
#53
3-Nitroaniline
Concen: 89.913 ng
RT: 14.281 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 919775

Ion	Ratio	Lower	Upper
138	100		
108	10.5	8.3	12.5
92	111.0	89.8	134.8

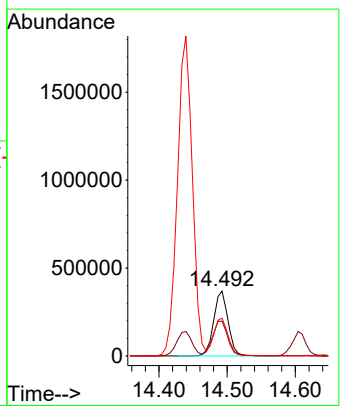


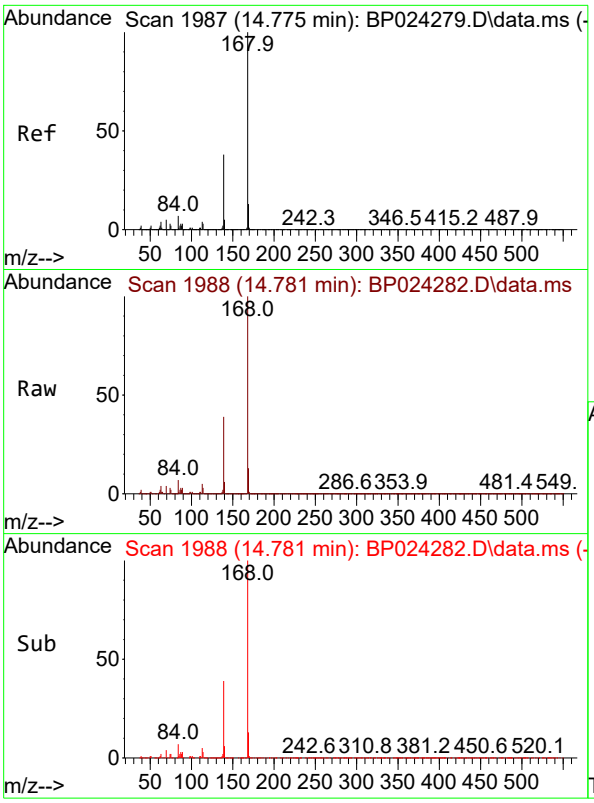


#54
2,4-Dinitrophenol
Concen: 102.567 ng
RT: 14.492 min Scan# 1939
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:184 Resp: 541483

Ion	Ratio	Lower	Upper
184	100		
63	53.6	42.6	64.0
154	58.2	47.2	70.8



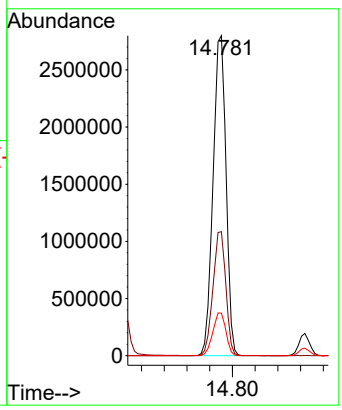


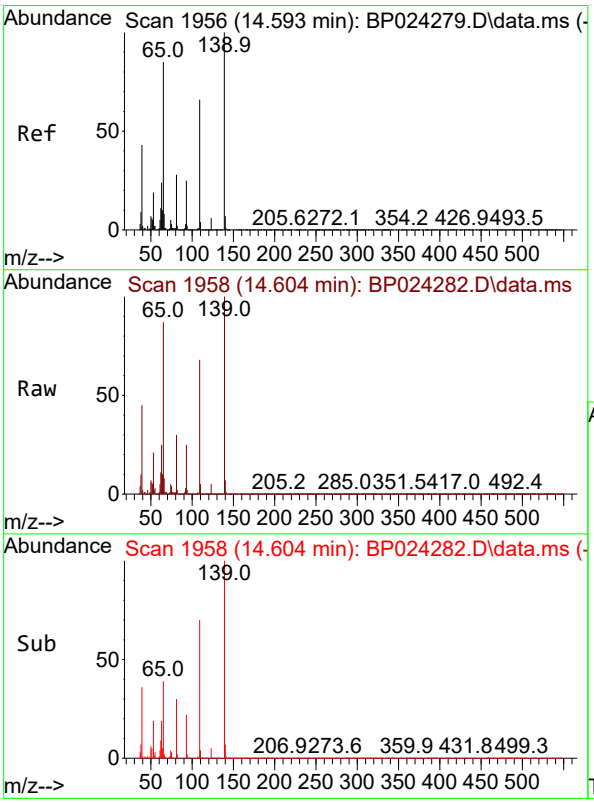
#55
Dibenzofuran
Concen: 76.402 ng
RT: 14.781 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:168 Resp: 4420987

Ion	Ratio	Lower	Upper
168	100		
139	38.7	30.3	45.5
169	13.3	10.6	16.0

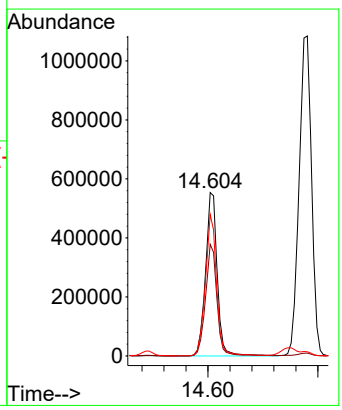


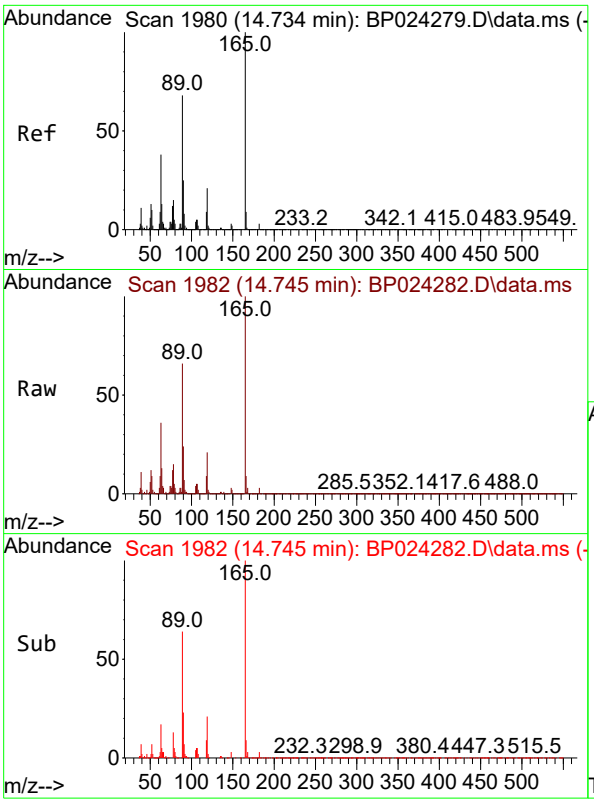


#56
4-Nitrophenol
Concen: 92.599 ng
RT: 14.604 min Scan# 1958
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:139 Resp: 814261

Ion	Ratio	Lower	Upper
139	100		
109	68.4	46.1	86.1
65	86.6	65.0	105.0



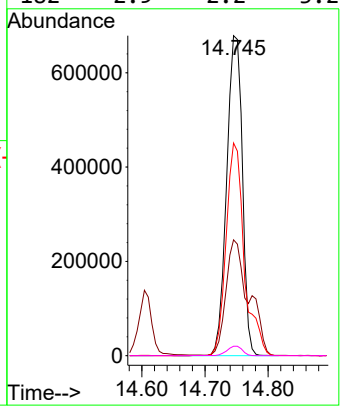


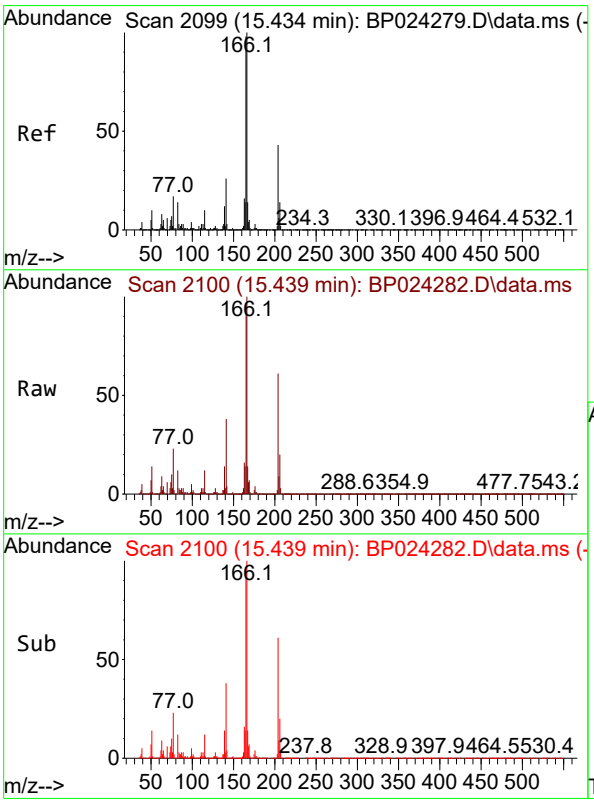
#57
2,4-Dinitrotoluene
Concen: 87.755 ng
RT: 14.745 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 1169554

Ion	Ratio	Lower	Upper
165	100		
63	36.2	30.4	45.6
89	66.4	54.6	82.0
182	2.9	2.2	3.2

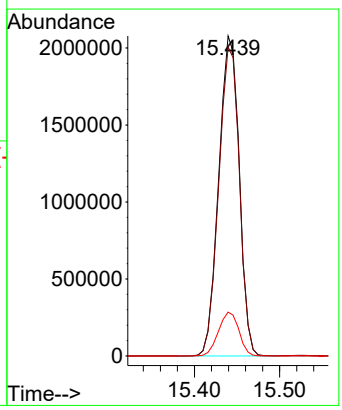


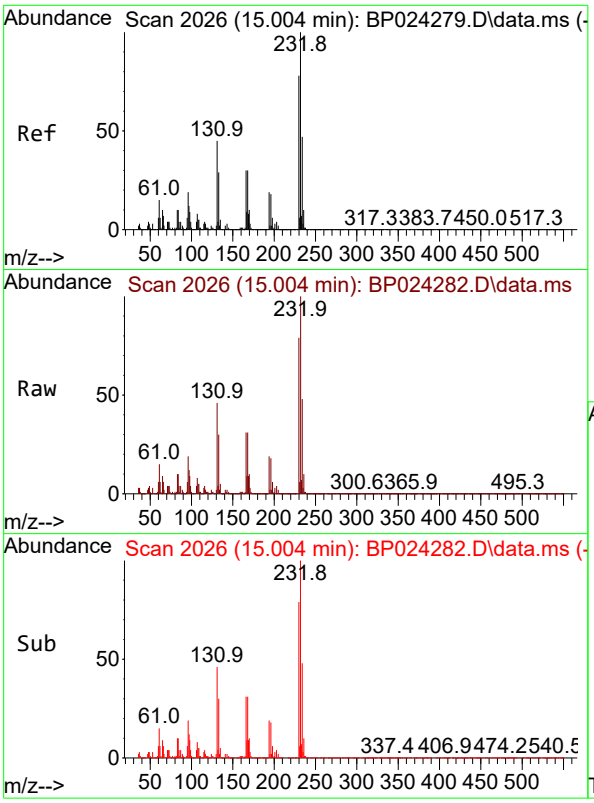


#58
Fluorene
Concen: 77.873 ng
RT: 15.439 min Scan# 2100
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:166 Resp: 3479094

Ion	Ratio	Lower	Upper
166	100		
165	96.6	78.1	117.1
167	13.7	10.9	16.3



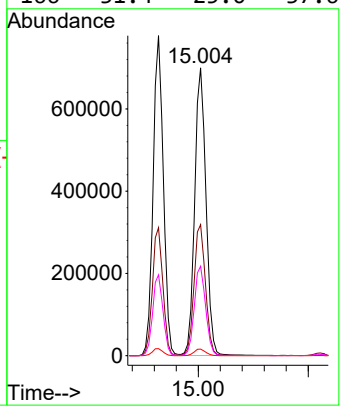


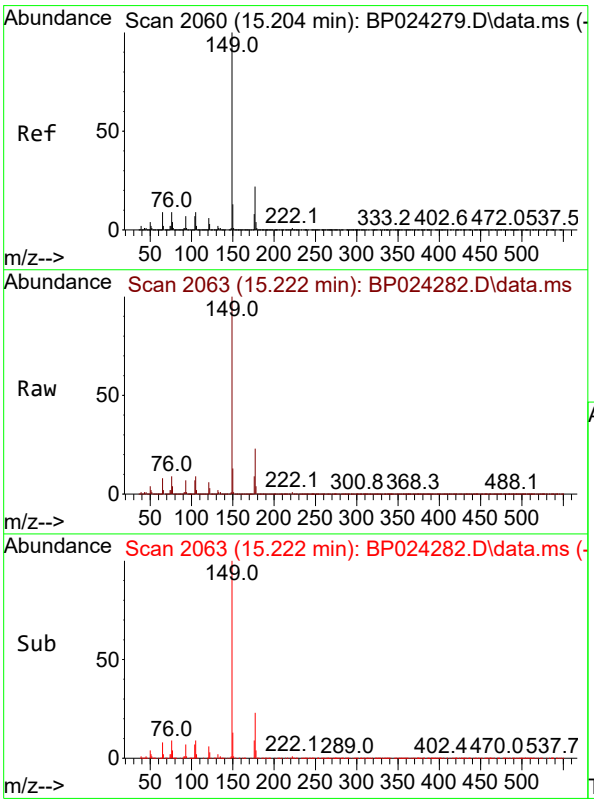
#59
2,3,4,6-Tetrachlorophenol
Concen: 84.031 ng
RT: 15.004 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:232 Resp: 999335

Ion	Ratio	Lower	Upper
232	100		
131	46.1	36.8	55.2
130	2.4	1.9	2.9
166	31.4	25.0	37.6

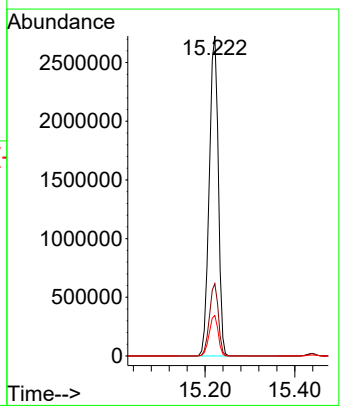


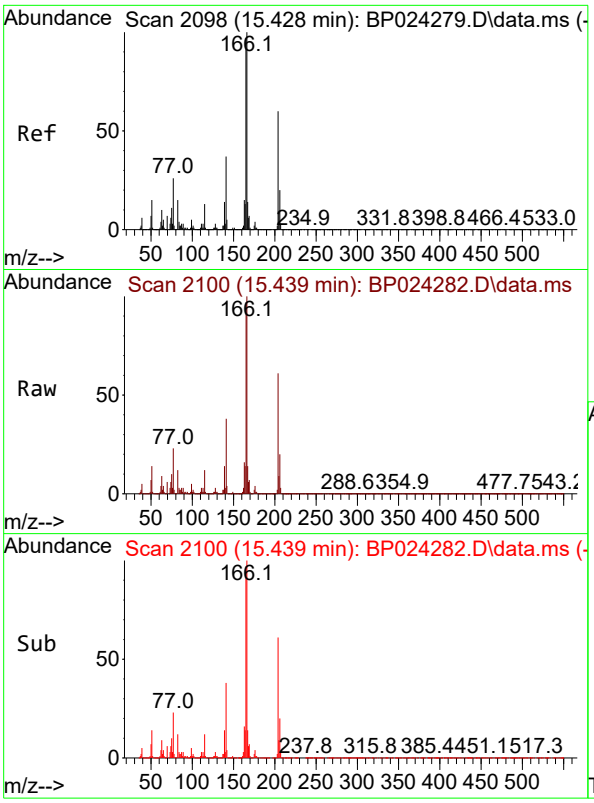


#60
Diethylphthalate
Concen: 78.910 ng
RT: 15.222 min Scan# 2063
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:149 Resp: 3800651

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.4	26.2
150	12.6	10.1	15.1



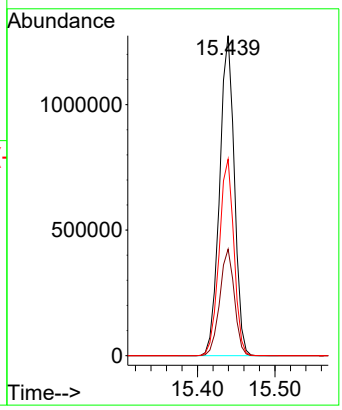


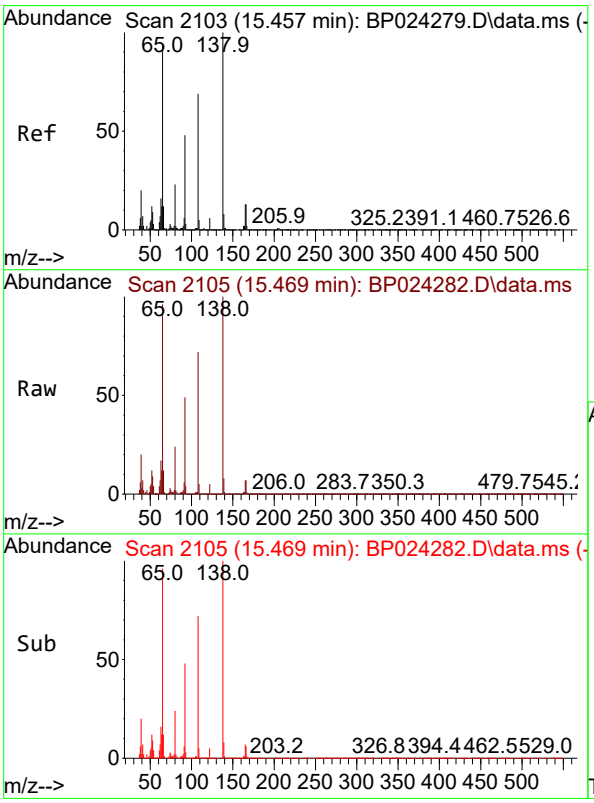
#61
4-Chlorophenyl-phenylether
Concen: 77.881 ng
RT: 15.439 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 1689620

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.5	39.7
141	61.4	49.4	74.0

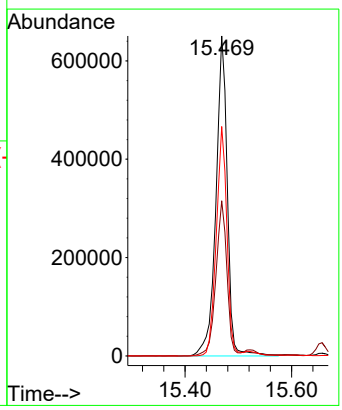


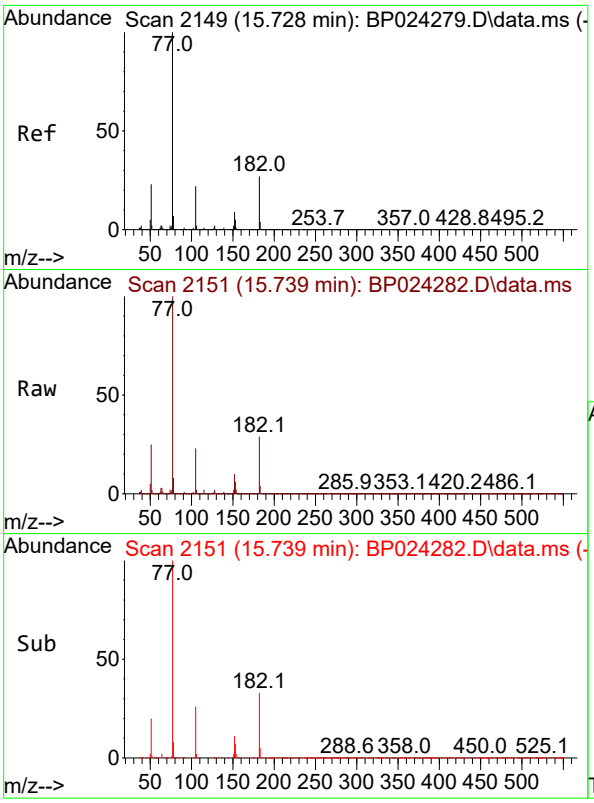


#62
4-Nitroaniline
Concen: 89.063 ng
RT: 15.469 min Scan# 2105
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:138 Resp: 965926

Ion	Ratio	Lower	Upper
138	100		
92	48.5	27.8	67.8
108	71.7	48.9	88.9



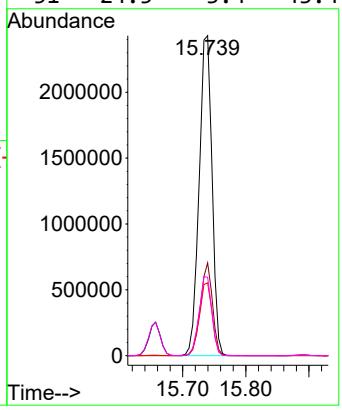


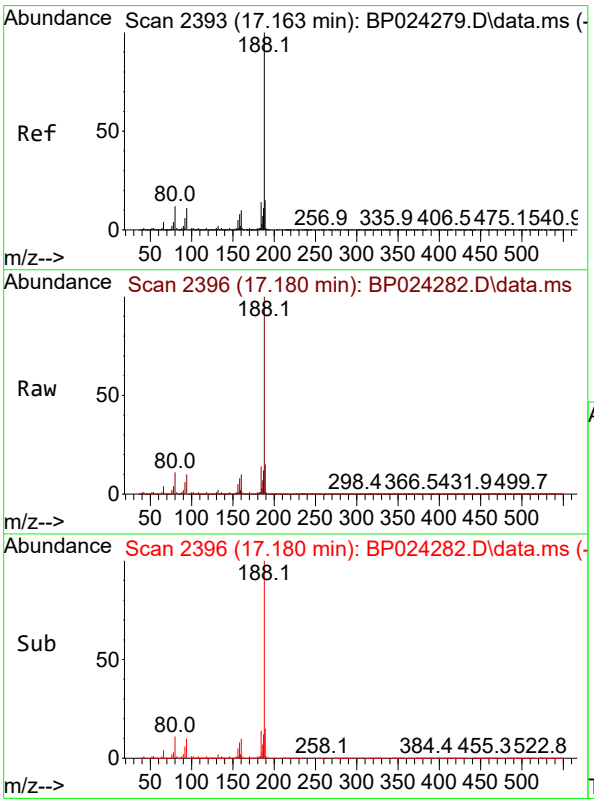
#63
Azobenzene
Concen: 77.741 ng
RT: 15.739 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 3448680

Ion	Ratio	Lower	Upper
77	100		
182	29.0	7.3	47.3
105	22.7	2.3	42.3
51	24.5	3.4	43.4

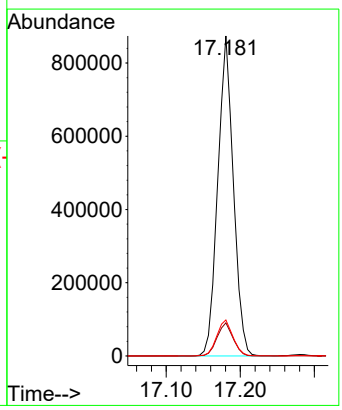


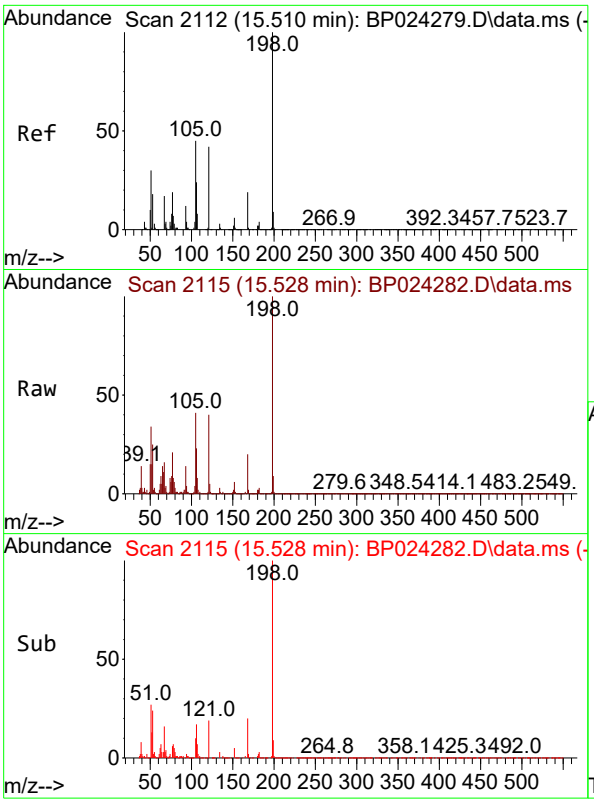


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.180 min Scan# 2396
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:188 Resp: 1279313

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.6	13.0
80	11.2	9.8	14.6



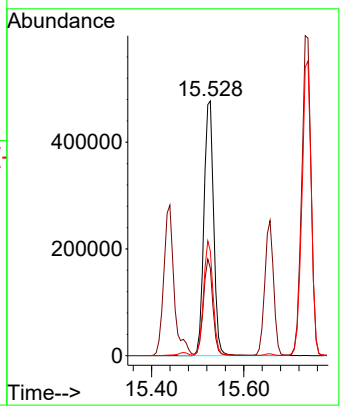


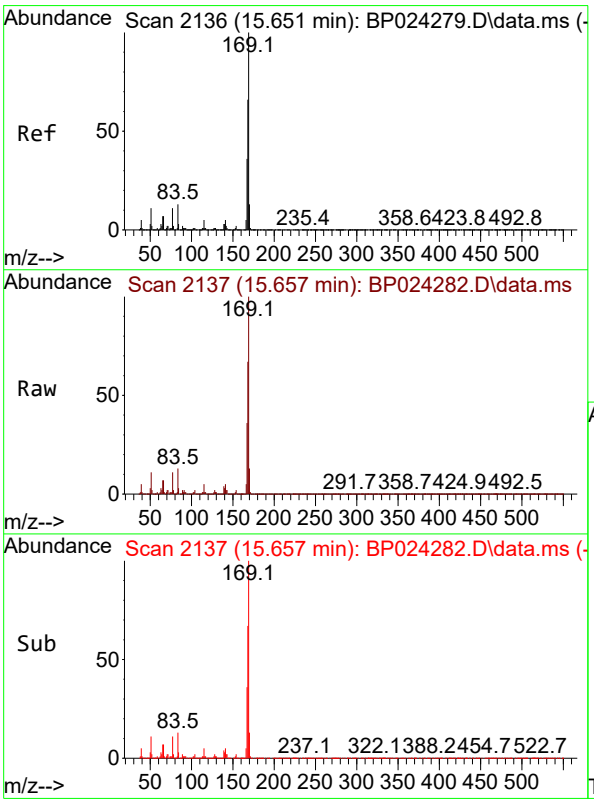
#65
4,6-Dinitro-2-methylphenol
Concen: 94.385 ng
RT: 15.528 min Scan# 21
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 705506

Ion	Ratio	Lower	Upper
198	100		
51	34.3	18.4	58.4
105	41.0	26.5	66.5

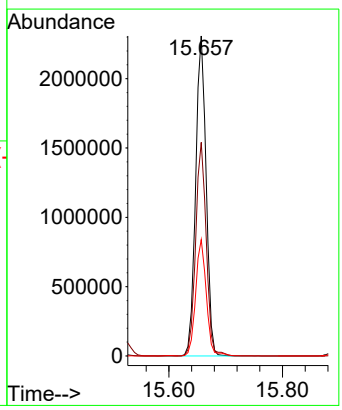


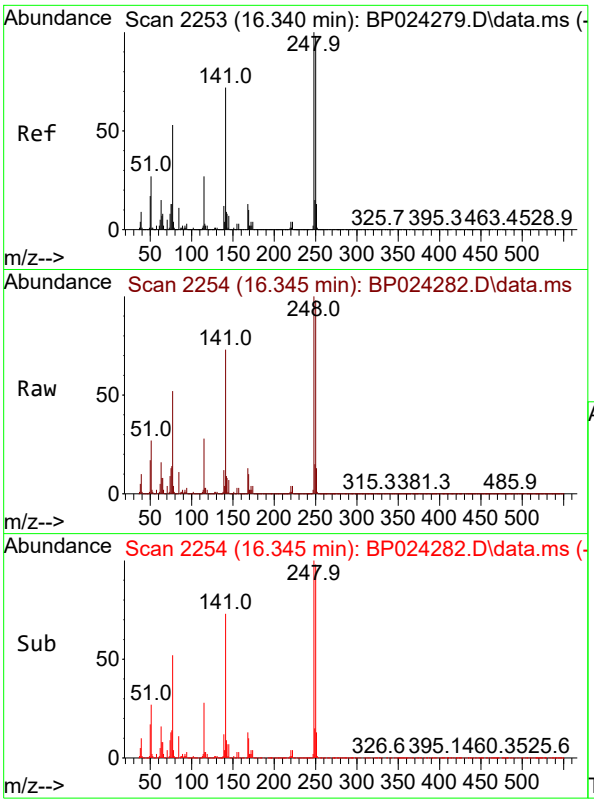


#66
n-Nitrosodiphenylamine
Concen: 77.438 ng
RT: 15.657 min Scan# 2137
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:169 Resp: 2970516

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.0	79.4
167	36.3	28.9	43.3



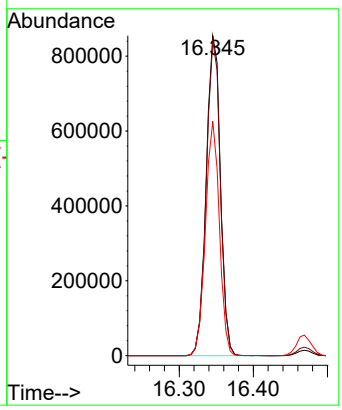


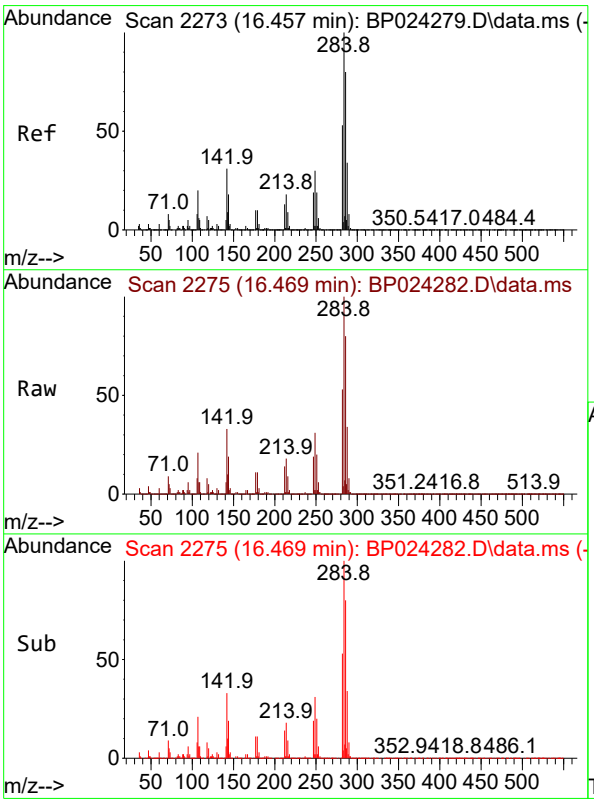
#67
4-Bromophenyl-phenylether
Concen: 81.488 ng
RT: 16.345 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:248 Resp: 1137128

Ion	Ratio	Lower	Upper
248	100		
250	98.5	78.2	117.4
141	73.2	57.7	86.5

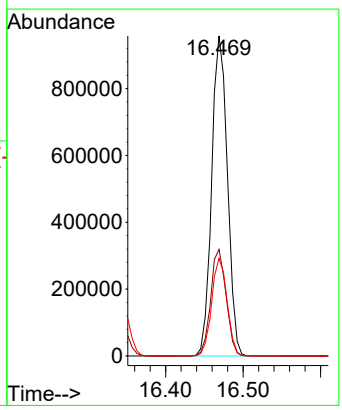


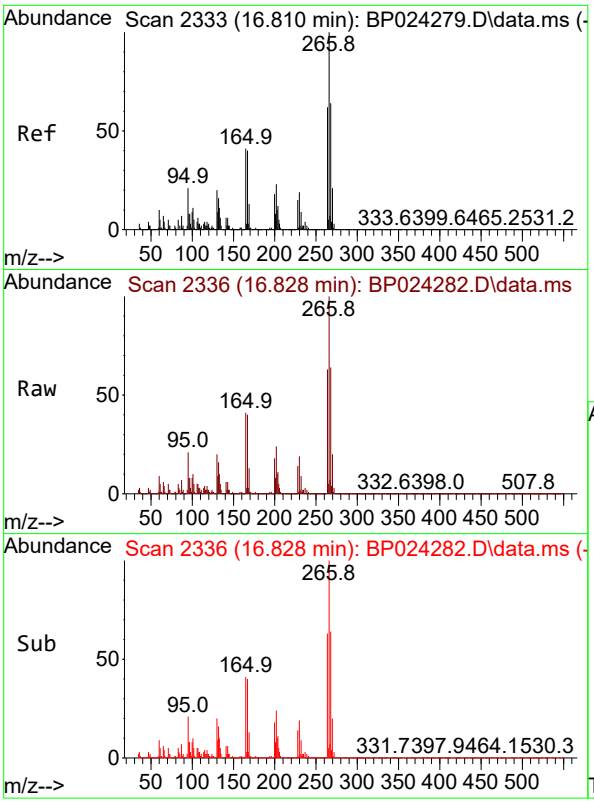


#68
Hexachlorobenzene
Concen: 81.231 ng
RT: 16.469 min Scan# 2275
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:284 Resp: 1347567

Ion	Ratio	Lower	Upper
284	100		
142	33.3	24.6	37.0
249	30.5	23.8	35.6



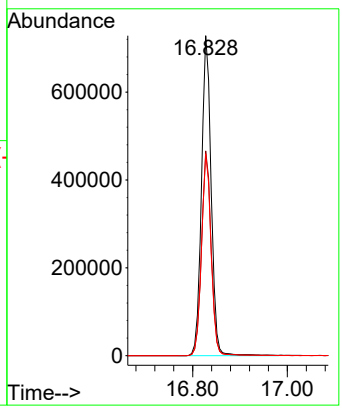


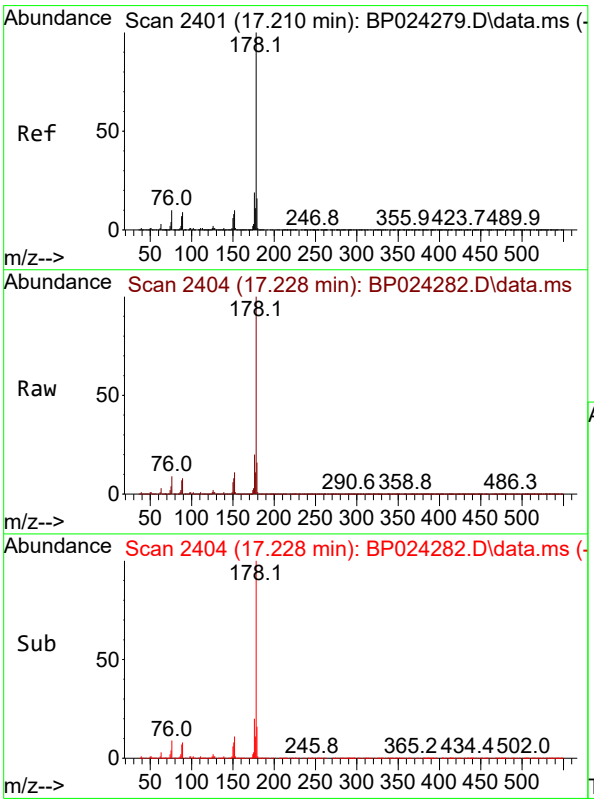
#70
Pentachlorophenol
Concen: 90.221 ng
RT: 16.828 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:266 Resp: 1027691

Ion	Ratio	Lower	Upper
266	100		
268	64.0	51.0	76.6
264	63.1	49.8	74.6

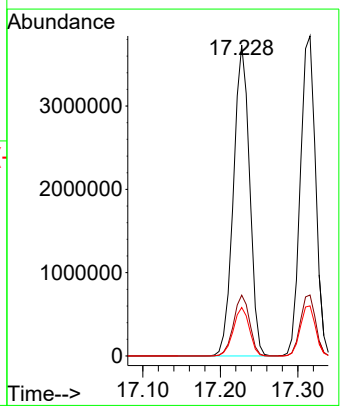


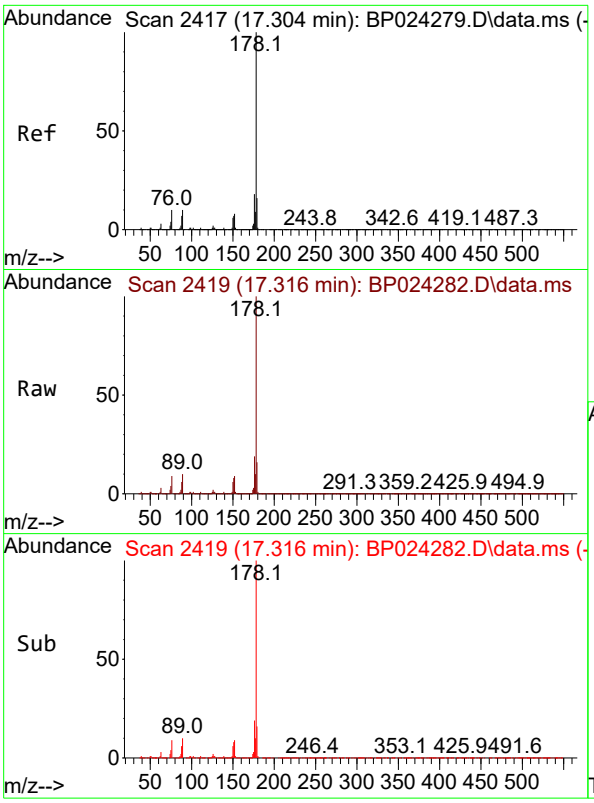


#71
Phenanthrene
Concen: 77.203 ng
RT: 17.228 min Scan# 2404
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:178 Resp: 5415046

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.6	12.5	18.7



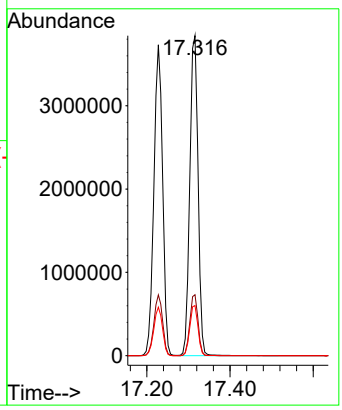


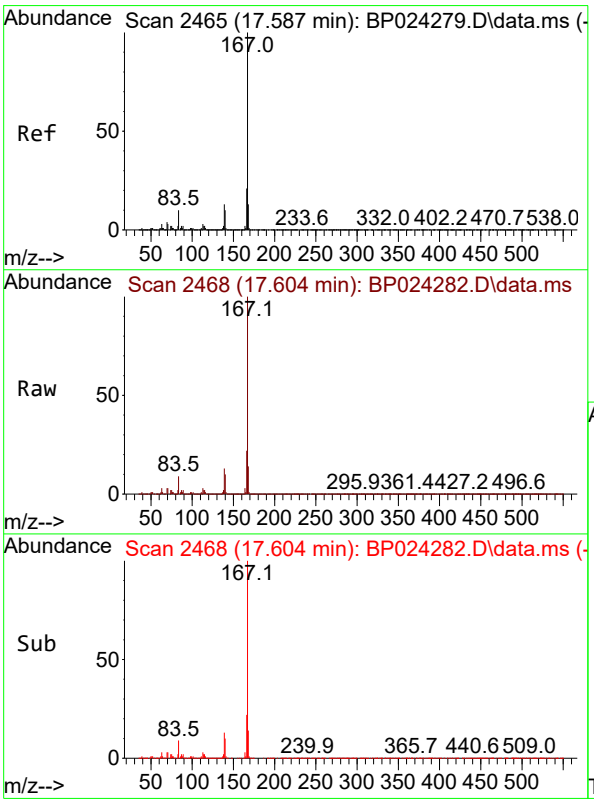
#72
Anthracene
Concen: 78.097 ng
RT: 17.316 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 5270987

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.7	22.1
179	15.6	12.4	18.6

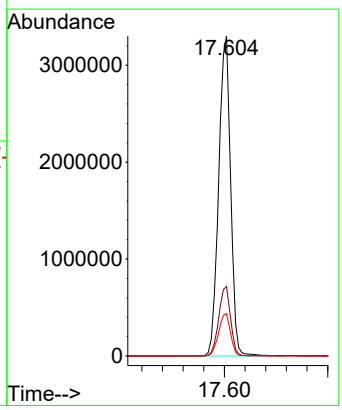


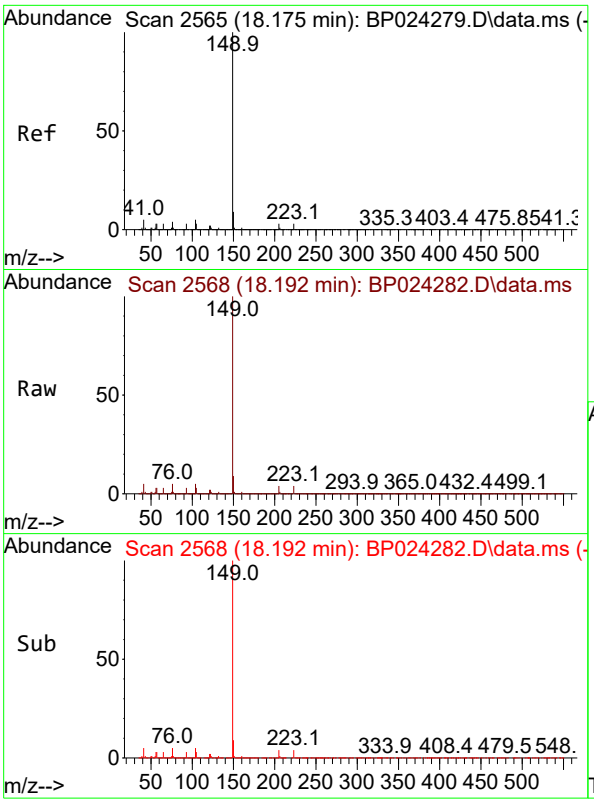


#73
Carbazole
Concen: 80.314 ng
RT: 17.604 min Scan# 2468
Delta R.T. 0.017 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:167 Resp: 5275449

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.1	25.7
139	13.2	10.6	16.0



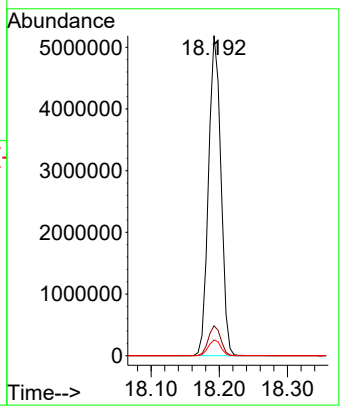


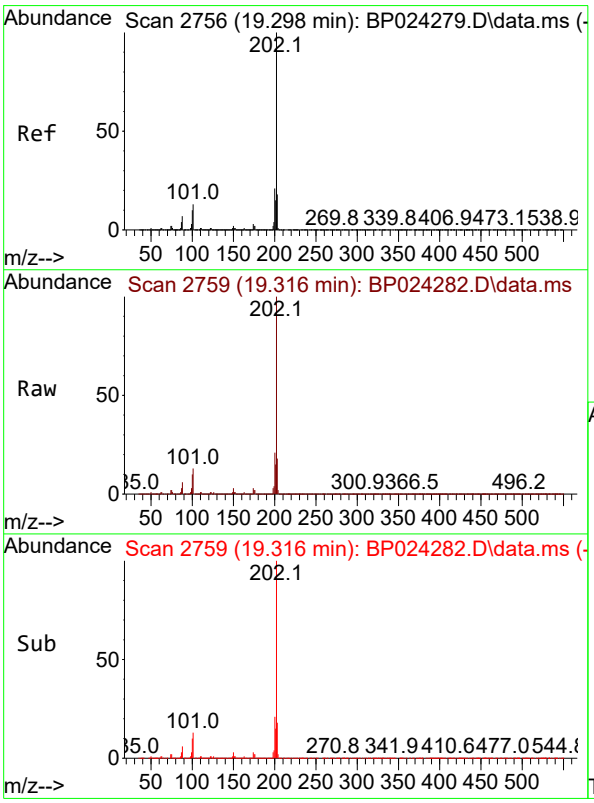
#74
Di-n-butylphthalate
Concen: 80.266 ng
RT: 18.192 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 6569078

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	4.9	3.9	5.9

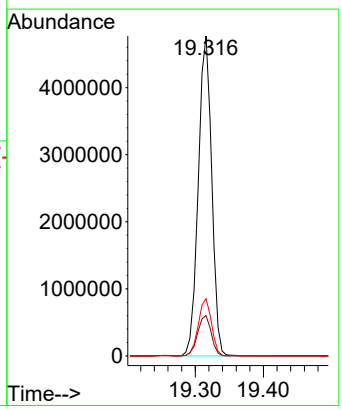


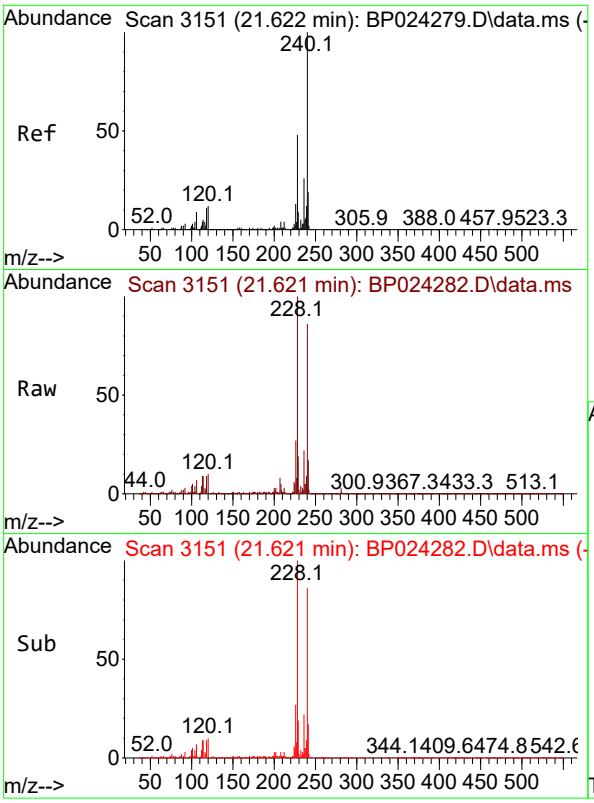


#75
Fluoranthene
Concen: 78.322 ng
RT: 19.316 min Scan# 2759
Delta R.T. 0.017 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:202 Resp: 6520527

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.2
203	17.9	0.0	37.7



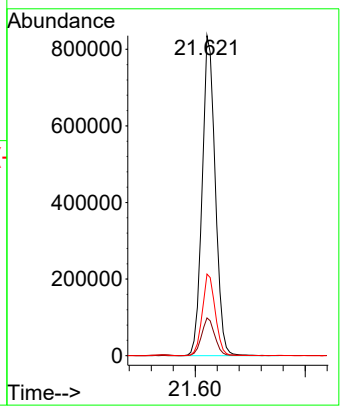


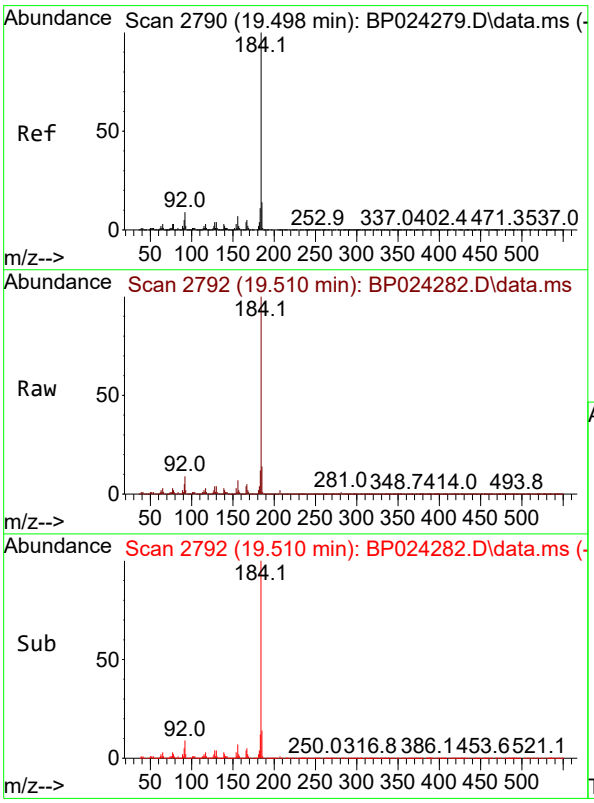
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.621 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:240 Resp: 1378105

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.8	14.8
236	25.5	20.9	31.3

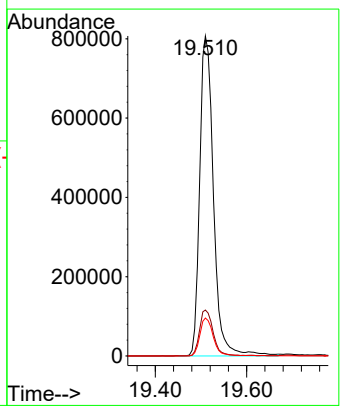


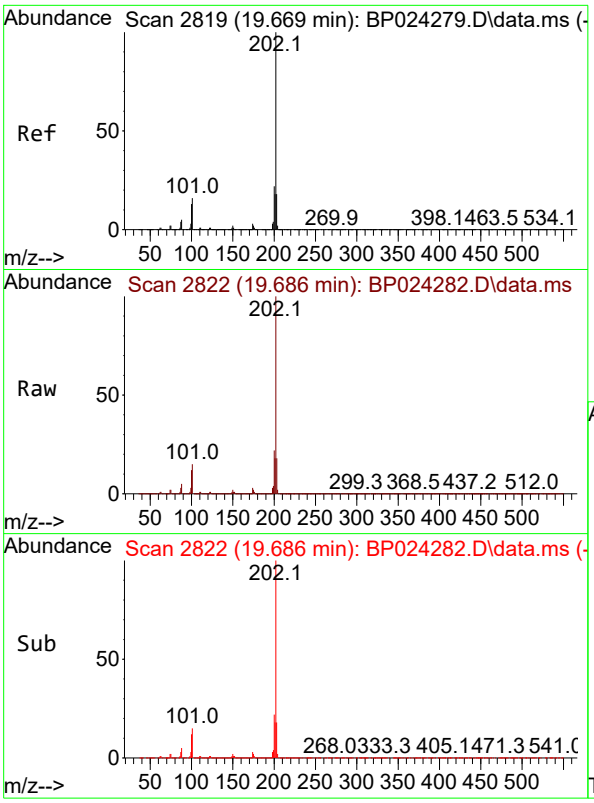


#77
Benzidine
Concen: 99.624 ng m
RT: 19.510 min Scan# 2792
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:184 Resp: 1694694

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.6	17.4
183	11.8	9.2	13.8



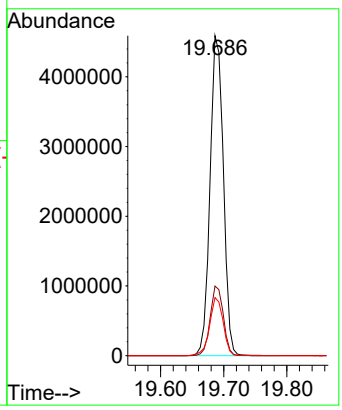


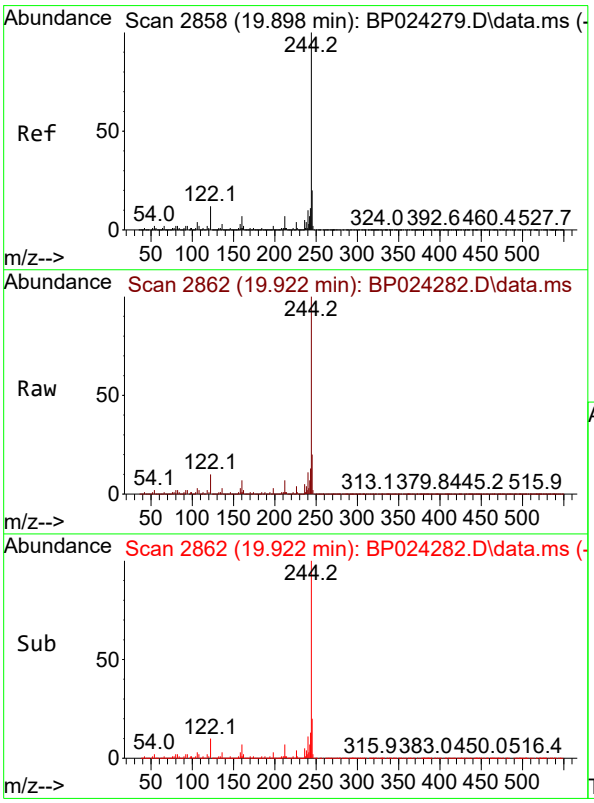
#78
Pyrene
Concen: 76.195 ng
RT: 19.686 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 6718789

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.2	25.8
203	18.1	14.4	21.6

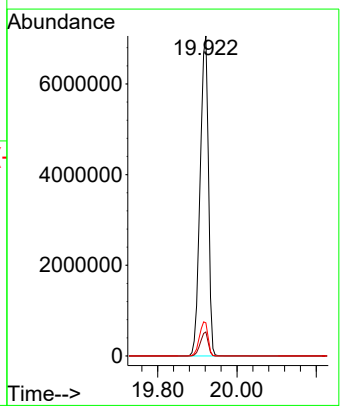


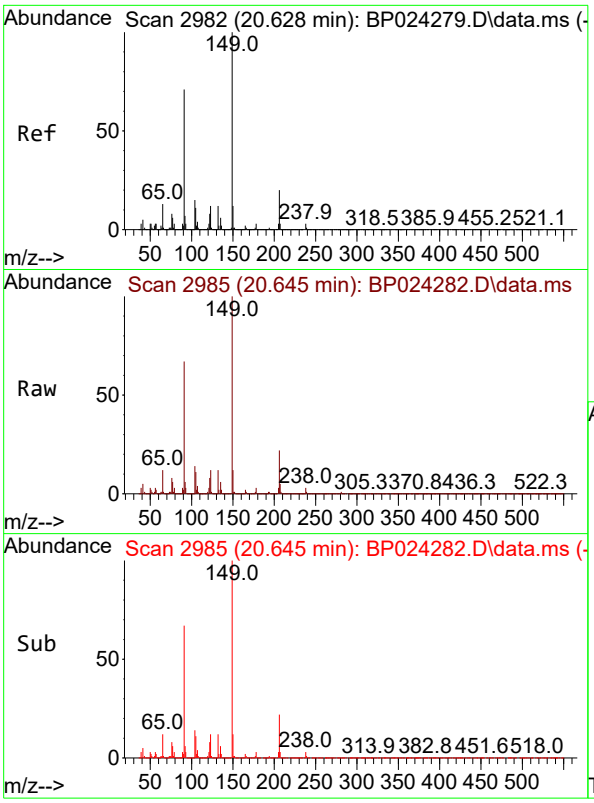


#79
Terphenyl-d14
Concen: 147.678 ng
RT: 19.922 min Scan# 2862
Delta R.T. 0.023 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:244 Resp:10209149

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.6	8.4
122	10.4	9.4	14.0



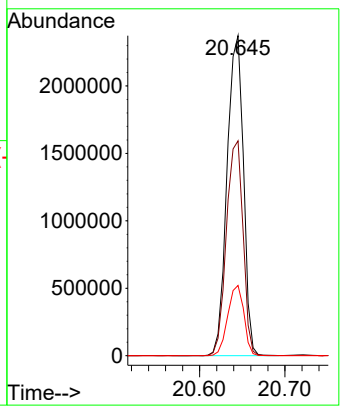


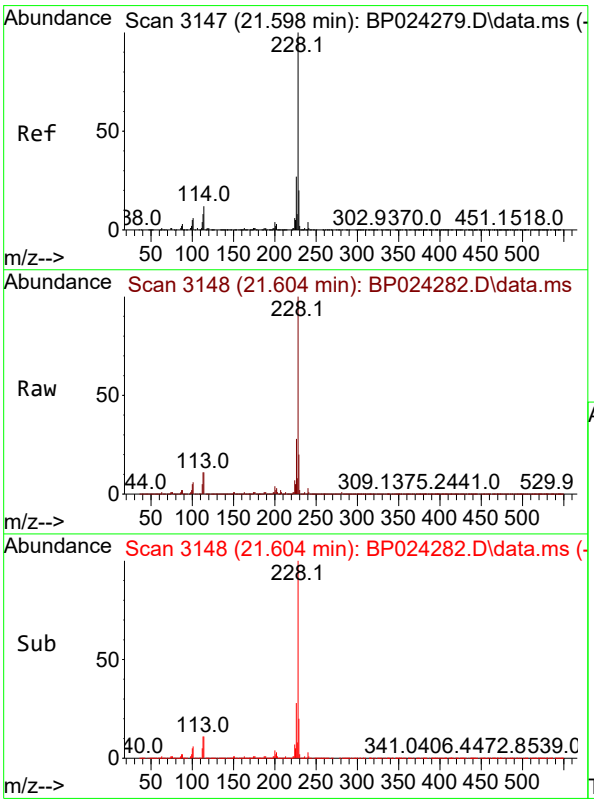
#80
Butylbenzylphthalate
Concen: 85.104 ng
RT: 20.645 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 3163633

Ion	Ratio	Lower	Upper
149	100		
91	67.1	56.4	84.6
206	22.0	16.3	24.5

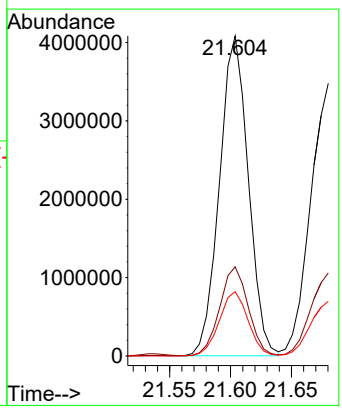


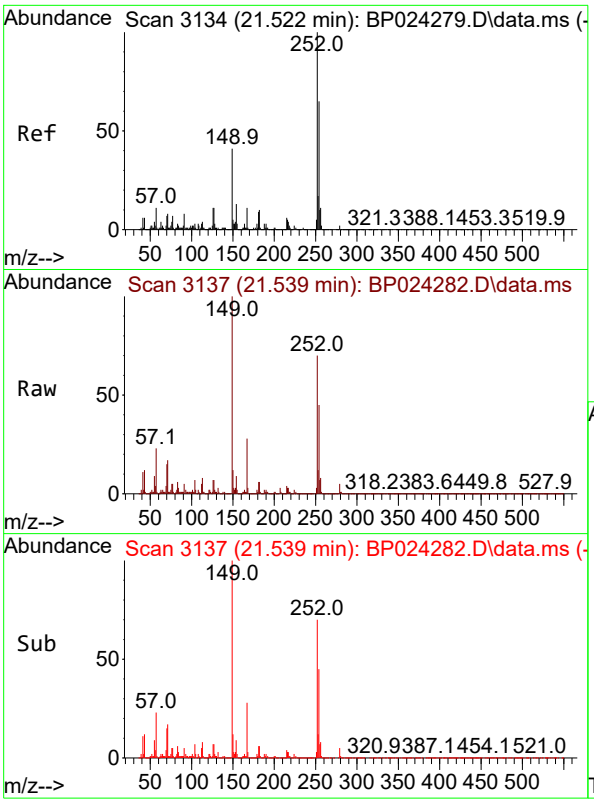


#81
Benzo(a)anthracene
Concen: 78.335 ng
RT: 21.604 min Scan# 3148
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:228 Resp: 6729971

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.8	32.8
229	20.1	15.9	23.9



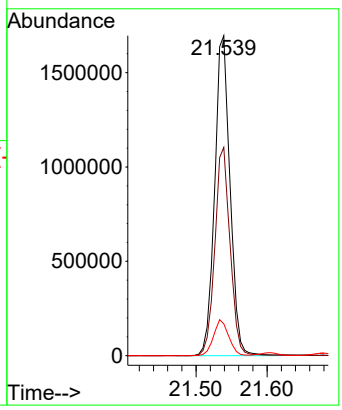


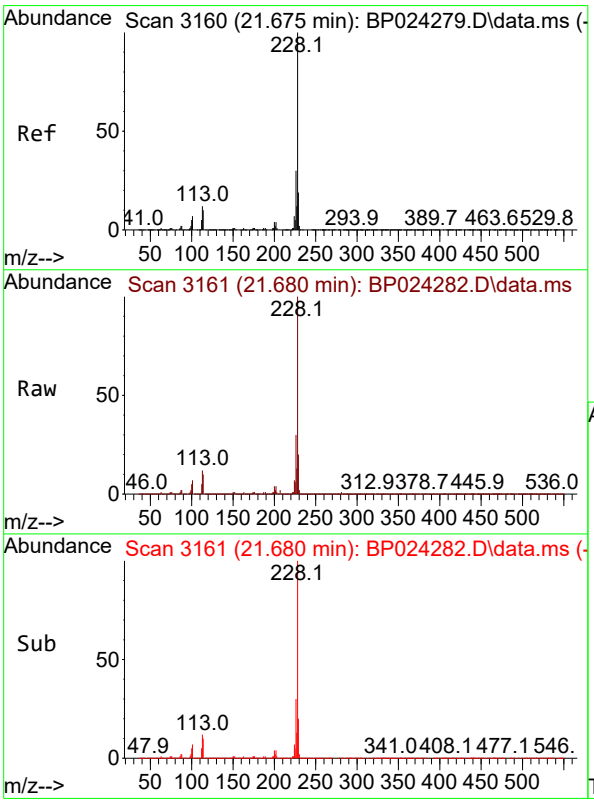
#82
3,3'-Dichlorobenzidine
Concen: 85.143 ng
RT: 21.539 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 2536509

Ion	Ratio	Lower	Upper
252	100		
254	65.1	51.7	77.5
126	10.0	8.8	13.2

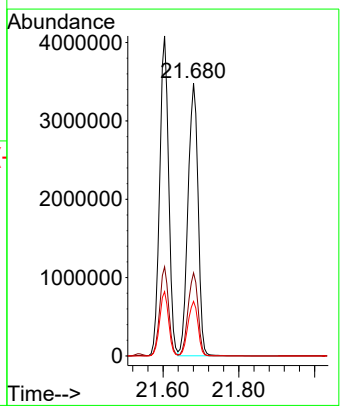


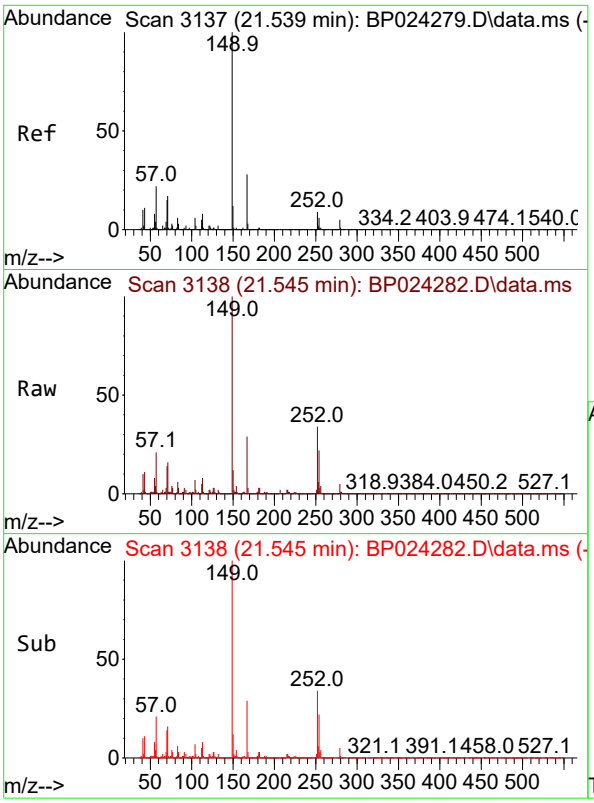


#83
Chrysene
Concen: 78.130 ng
RT: 21.680 min Scan# 3161
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:228 Resp: 6433173

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.2	36.2
229	20.0	15.6	23.4



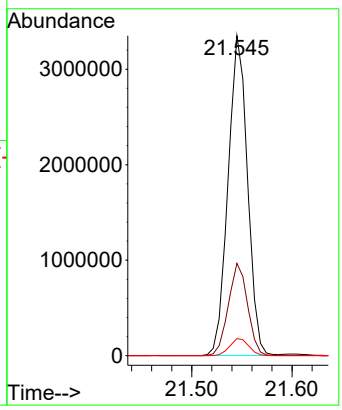


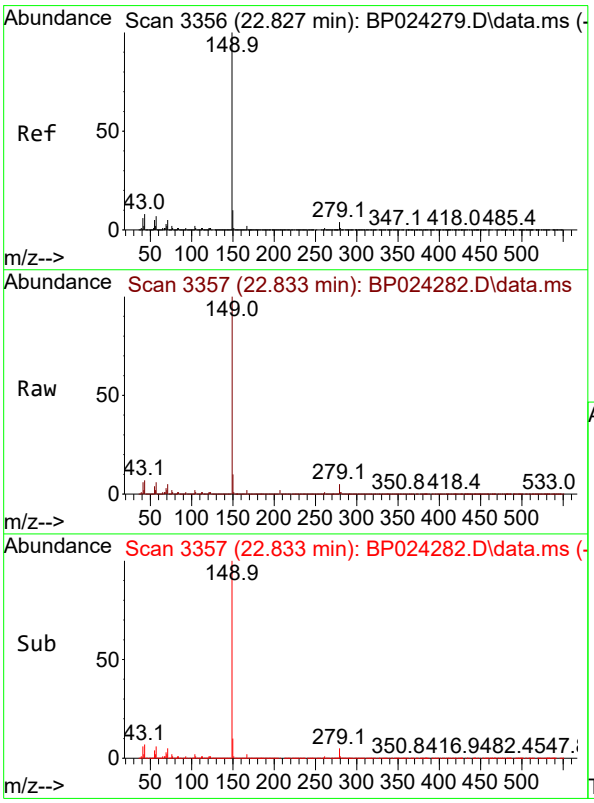
#84
Bis(2-ethylhexyl)phthalate
Concen: 82.506 ng
RT: 21.545 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 4516949

Ion	Ratio	Lower	Upper
149	100		
167	28.8	22.4	33.6
279	5.4	4.0	6.0

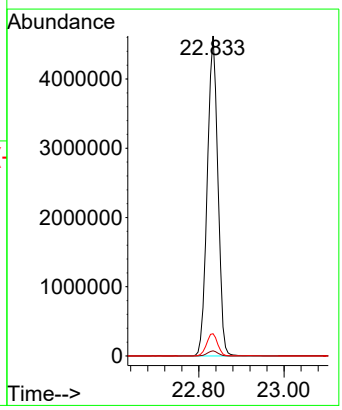


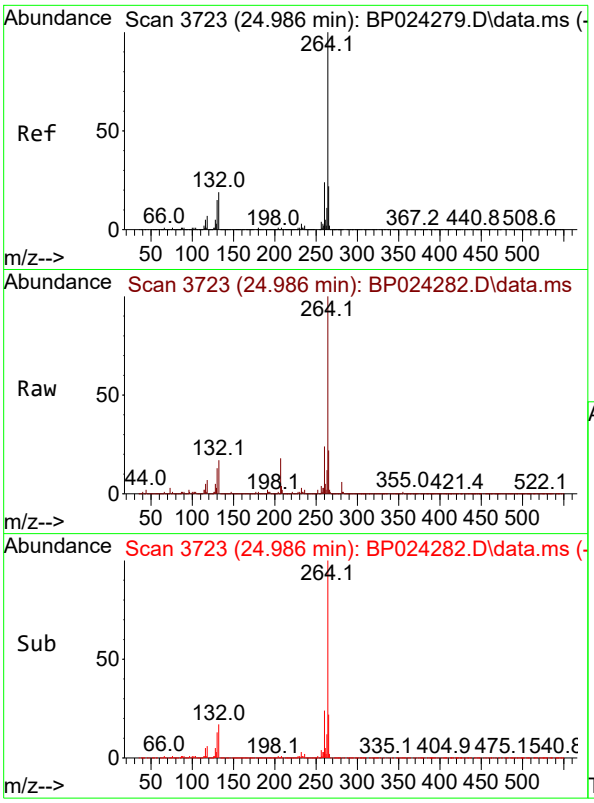


#85
Di-n-octyl phthalate
Concen: 90.878 ng
RT: 22.833 min Scan# 3357
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:149 Resp: 7969779

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.3	6.0	9.0



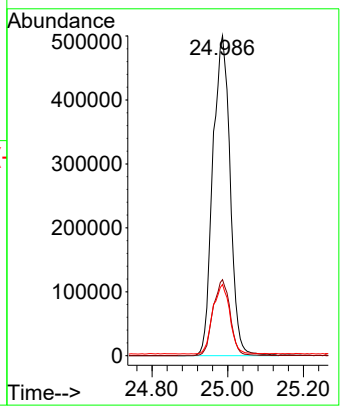


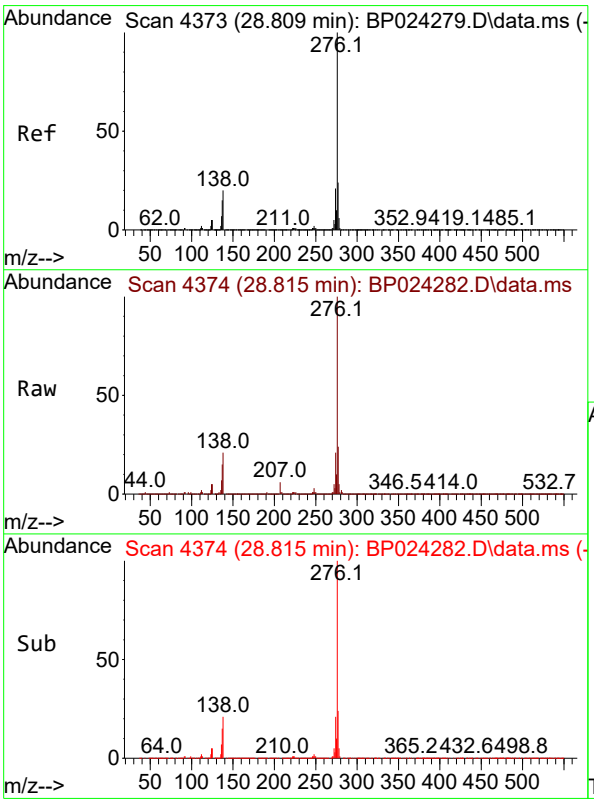
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.986 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:264 Resp: 1583281

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	22.3	17.8	26.6

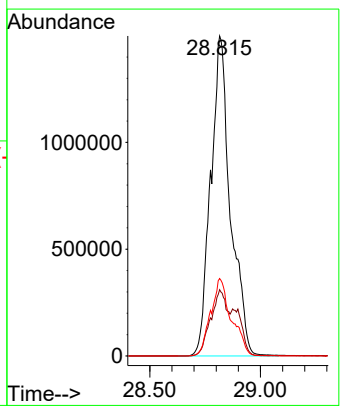


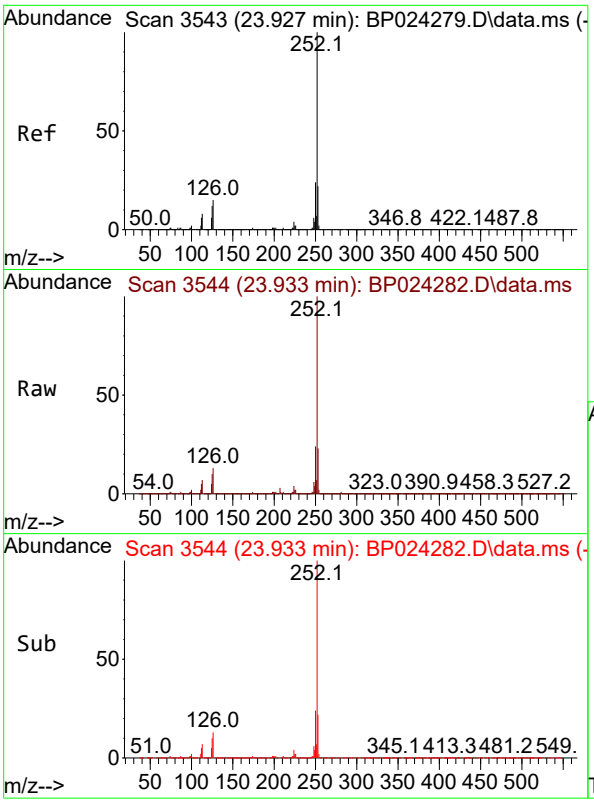


#87
Indeno(1,2,3-cd)pyrene
Concen: 85.280 ng
RT: 28.815 min Scan# 4374
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:276 Resp: 9286186

Ion	Ratio	Lower	Upper
276	100		
138	17.4	14.5	21.7
277	25.4	20.2	30.2



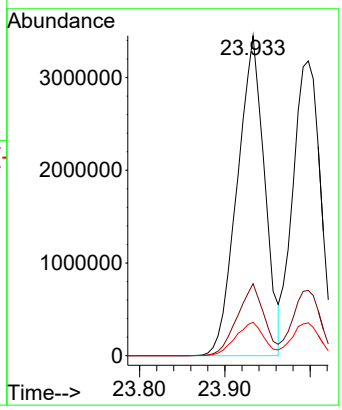


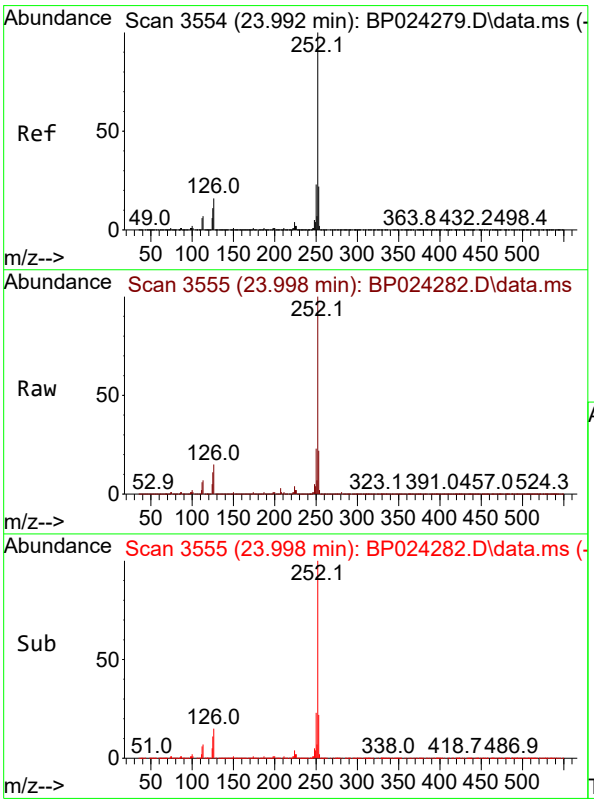
#88
Benzo(b)fluoranthene
Concen: 81.051 ng
RT: 23.933 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 7677613

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	10.4	9.4	14.0

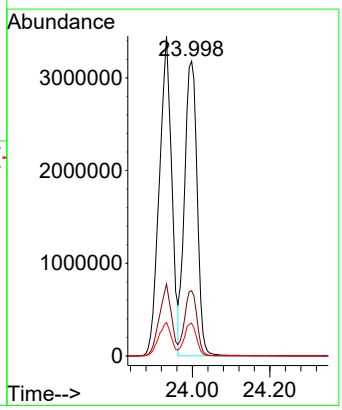


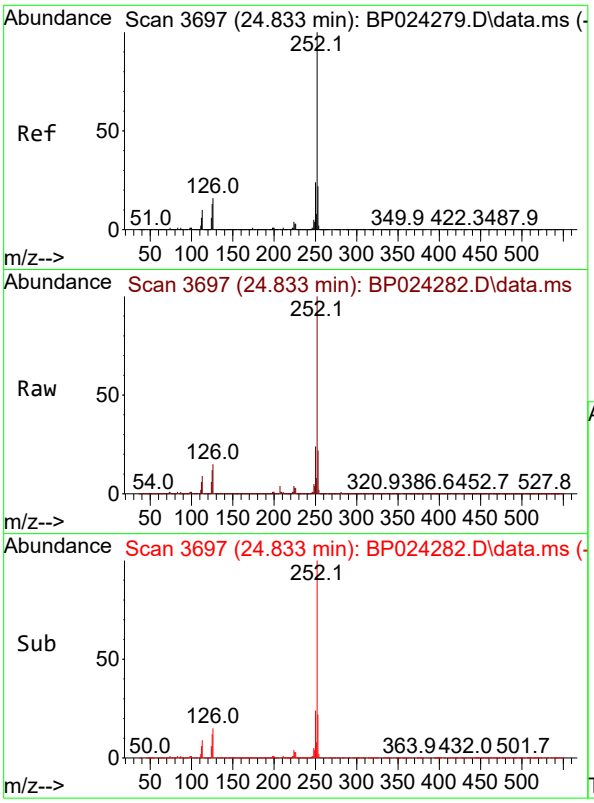


#89
Benzo(k)fluoranthene
Concen: 78.395 ng
RT: 23.998 min Scan# 3555
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:252 Resp: 7207214

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.1	9.1	13.7



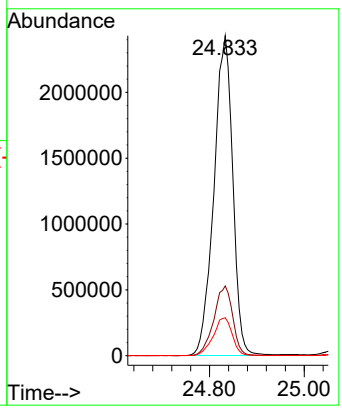


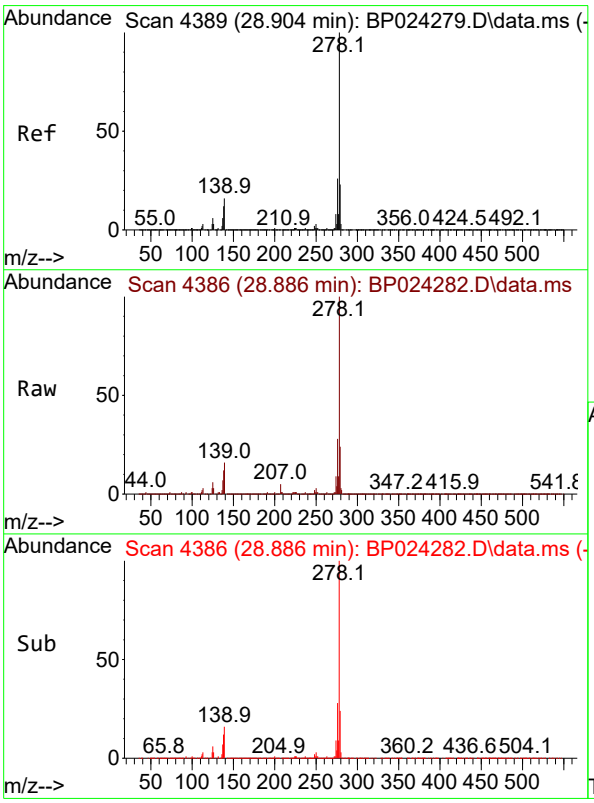
#90
Benzo(a)pyrene
Concen: 82.211 ng
RT: 24.833 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 6703562

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	11.8	10.1	15.1

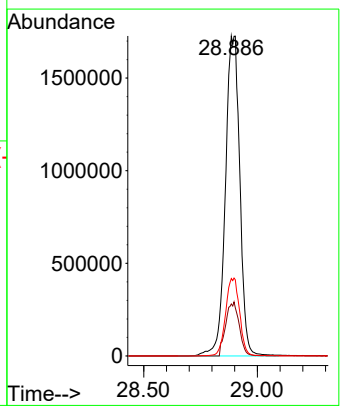


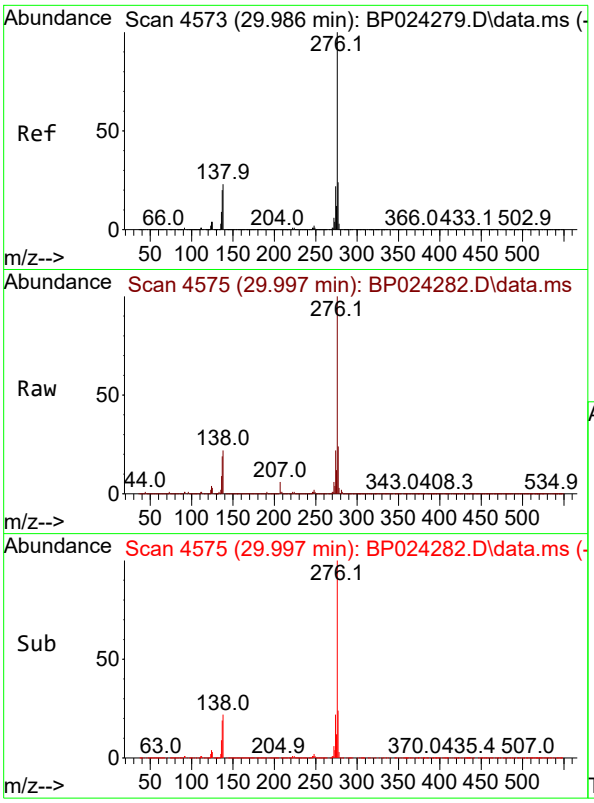


#91
Dibenzo(a,h)anthracene
Concen: 84.071 ng
RT: 28.886 min Scan# 4386
Delta R.T. -0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:278 Resp: 7614901

Ion	Ratio	Lower	Upper
278	100		
139	16.2	12.6	19.0
279	24.2	18.5	27.7



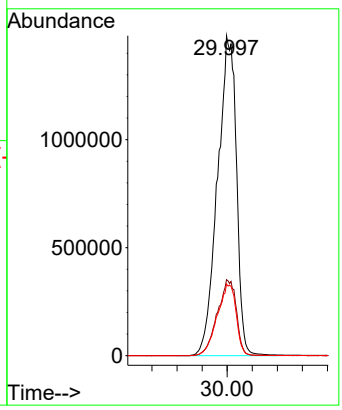


#92
Benzo(g,h,i)perylene
Concen: 84.072 ng
RT: 29.997 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 7750941

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.9	28.3
138	22.4	18.7	28.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	232241	20.000	ng	0.00
21) Naphthalene-d8	10.504	136	956448	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	600031	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1178916	20.000	ng	-0.02
76) Chrysene-d12	21.616	240	1288125	20.000	ng	0.00
86) Perylene-d12	24.986	264	1476872	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1141956	81.302	ng	0.00
7) Phenol-d6	6.911	99	1559050	81.063	ng	0.00
23) Nitrobenzene-d5	8.881	82	1401115	83.531	ng	0.00
42) 2,4,6-Tribromophenol	15.875	330	709703	85.488	ng	-0.02
45) 2-Fluorobiphenyl	12.975	172	3319933	84.715	ng	0.00
79) Terphenyl-d14	19.892	244	5217888	81.649	ng	-0.03
Target Compounds						Qvalue
2) 1,4-Dioxane	3.293	88	240091	40.412	ng	100
3) Pyridine	3.687	79	626813	39.955	ng	99
4) n-Nitrosodimethylamine	3.593	42	209326	40.205	ng	98
6) Aniline	7.069	93	710981	41.370	ng	100
8) 2-Chlorophenol	7.305	128	632515	40.334	ng	99
9) Benzaldehyde	6.881	77	399803	42.024	ng	98
10) Phenol	6.940	94	777631	40.306	ng	100
11) bis(2-Chloroethyl)ether	7.163	93	620261	39.902	ng	99
12) 1,3-Dichlorobenzene	7.622	146	680343	40.298	ng	100
13) 1,4-Dichlorobenzene	7.769	146	694020	40.516	ng	99
14) 1,2-Dichlorobenzene	8.081	146	659947	39.898	ng	99
15) Benzyl Alcohol	7.969	79	517678	41.621	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.258	45	674999	40.173	ng	99
17) 2-Methylphenol	8.175	107	512292	41.046	ng	100
18) Hexachloroethane	8.799	117	250852	40.522	ng	99
19) n-Nitroso-di-n-propyla...	8.528	70	481540	40.471	ng	99
20) 3+4-Methylphenols	8.499	107	706733	40.810	ng	99
22) Acetophenone	8.546	105	986019	41.652	ng	100
24) Nitrobenzene	8.922	77	689231	41.537	ng	100
25) Isophorone	9.446	82	1264480	41.648	ng	99
26) 2-Nitrophenol	9.628	139	352229	43.376	ng	99
27) 2,4-Dimethylphenol	9.687	122	425062	41.689	ng	99
28) bis(2-Chloroethoxy)met...	9.922	93	849161	41.402	ng	99
29) 2,4-Dichlorophenol	10.163	162	590306	42.461	ng	98
30) 1,2,4-Trichlorobenzene	10.369	180	619818	41.612	ng	99
31) Naphthalene	10.557	128	2085090	41.386	ng	99
32) Benzoic acid	9.834	122	486627	40.959	ng	98
33) 4-Chloroaniline	10.669	127	761817	42.937	ng	99
34) Hexachlorobutadiene	10.846	225	367684	42.007	ng	100
35) Caprolactam	11.457	113	216229	42.152	ng	99
36) 4-Chloro-3-methylphenol	11.799	107	675857	41.737	ng	98
37) 2-Methylnaphthalene	12.169	142	1446647	41.403	ng	100
38) 1-Methylnaphthalene	12.387	142	1408633	41.210	ng	99
40) 1,2,4,5-Tetrachloroben...	12.540	216	697580	42.275	ng	100
41) Hexachlorocyclopentadiene	12.516	237	254676	43.639	ng	99
43) 2,4,6-Trichlorophenol	12.781	196	475349	43.329	ng	97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.863	196	520298	42.828	ng	97
46) 1,1'-Biphenyl	13.187	154	1834570	41.595	ng	99
47) 2-Chloronaphthalene	13.228	162	1377424	41.786	ng	100
48) 2-Nitroaniline	13.434	65	392742	42.475	ng	98
49) Acenaphthylene	14.081	152	2168474	41.783	ng	99
50) Dimethylphthalate	13.816	163	1809923	41.478	ng	99
51) 2,6-Dinitrotoluene	13.940	165	398345	42.990	ng	97
52) Acenaphthene	14.428	154	1344151	40.853	ng	99
53) 3-Nitroaniline	14.275	138	427828	43.931	ng	98
54) 2,4-Dinitrophenol	14.481	184	231882	42.485	ng	98
55) Dibenzofuran	14.763	168	2187786	40.679	ng	99
56) 4-Nitrophenol	14.592	139	378214	44.968	ng	99
57) 2,4-Dinitrotoluene	14.734	165	550175	43.527	ng	97
58) Fluorene	15.428	166	1738215	41.750	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.998	232	470547	41.995	ng	99
60) Diethylphthalate	15.198	149	1869274	41.570	ng	99
61) 4-Chlorophenyl-phenyle...	15.422	204	844629	41.777	ng	99
62) 4-Nitroaniline	15.451	138	444482	43.114	ng	96
63) Azobenzene	15.722	77	1722900	41.686	ng	98
65) 4,6-Dinitro-2-methylph...	15.510	198	317548	42.724	ng	95
66) n-Nitrosodiphenylamine	15.645	169	1460282	41.500	ng	100
67) 4-Bromophenyl-phenylether	16.334	248	545579	42.314	ng	97
68) Hexachlorobenzene	16.451	284	642095	41.909	ng	96
69) Atrazine	16.622	200	282908	31.567	ng	98
70) Pentachlorophenol	16.810	266	458529	42.900	ng	99
71) Phenanthrene	17.204	178	2612052	40.615	ng	100
72) Anthracene	17.298	178	2606508	42.051	ng	100
73) Carbazole	17.581	167	2564955	42.351	ng	99
74) Di-n-butylphthalate	18.175	149	3360635	44.539	ng	100
75) Fluoranthene	19.298	202	3195045	41.771	ng	99
77) Benzidine	19.492	184	588487	36.041	ng	100
78) Pyrene	19.675	202	3276290	40.022	ng	99
80) Butylbenzylphthalate	20.627	149	1511473	43.107	ng	97
81) Benzo(a)anthracene	21.598	228	3299250	41.207	ng	99
82) 3,3'-Dichlorobenzidine	21.516	252	1212290	43.139	ng	99
83) Chrysene	21.669	228	3136332	40.888	ng	100
84) Bis(2-ethylhexyl)phtha...	21.539	149	2282222	44.400	ng	100
85) Di-n-octyl phthalate	22.827	149	3803266	45.513	ng	100
87) Indeno(1,2,3-cd)pyrene	28.798	276	4313548m	42.071	ng	
88) Benzo(b)fluoranthene	23.933	252	3654984	41.288	ng	99
89) Benzo(k)fluoranthene	23.998	252	3512834	41.081	ng	100
90) Benzo(a)pyrene	24.833	252	3196130	41.855	ng	99
91) Dibenzo(a,h)anthracene	28.880	278	3566000	41.902	ng	98
92) Benzo(g,h,i)perylene	29.992	276	3590938	41.455	ng	98

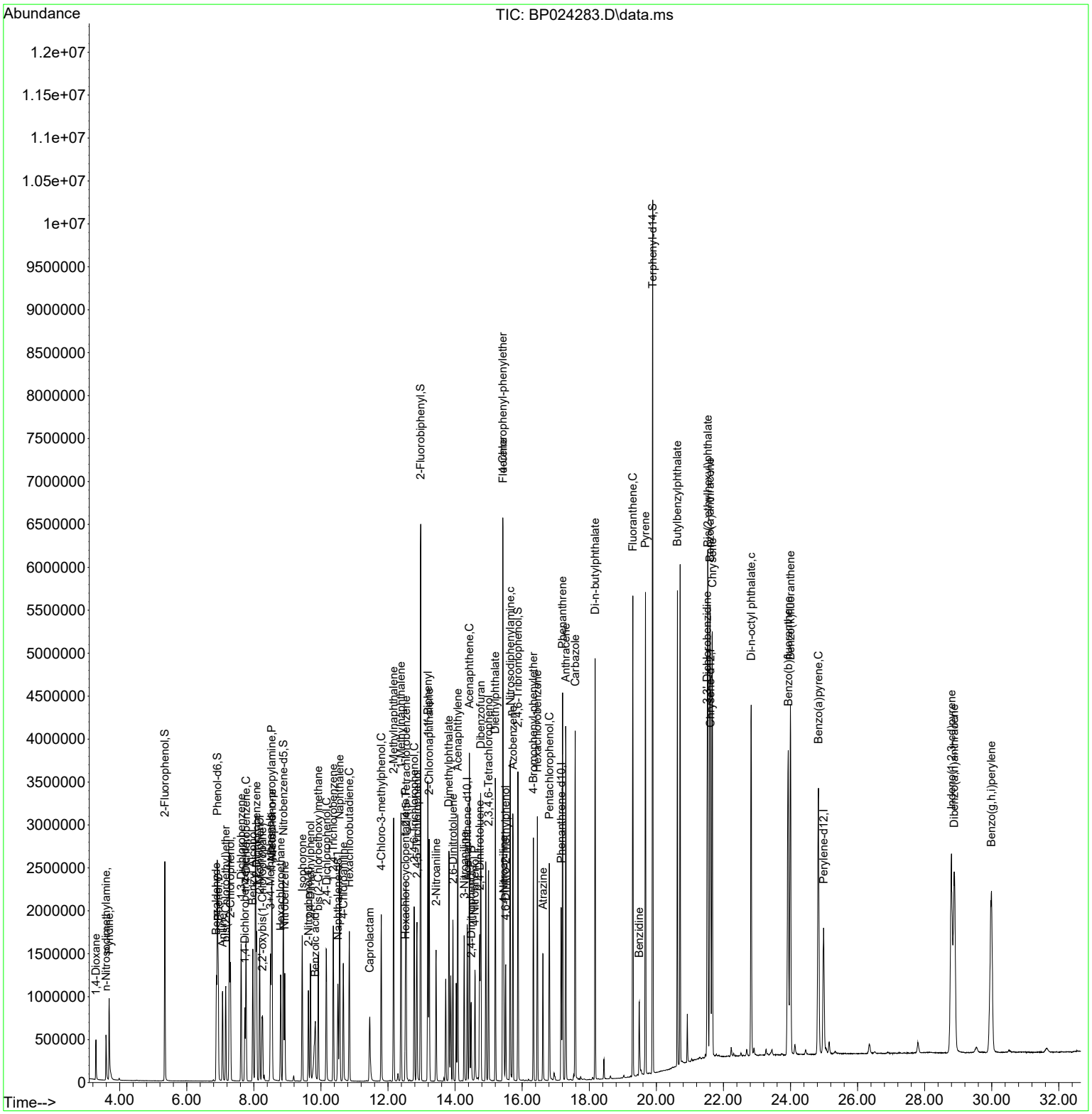
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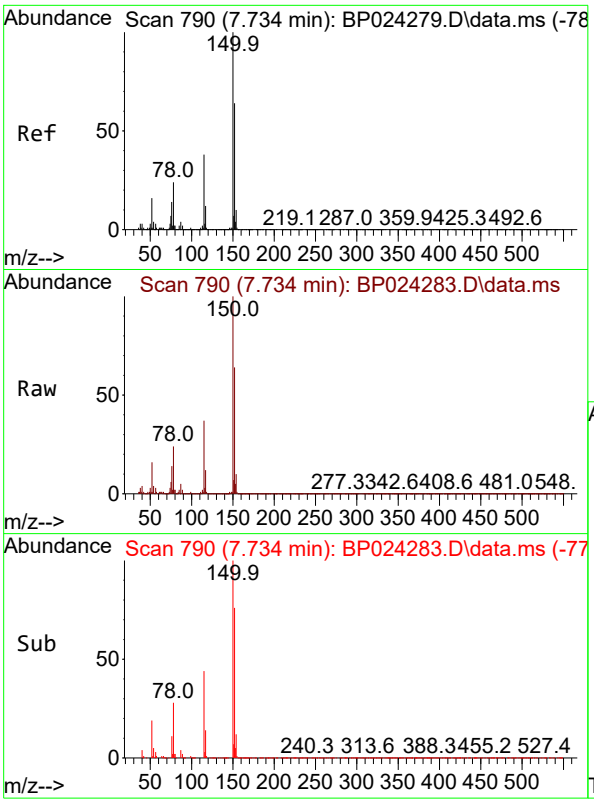
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
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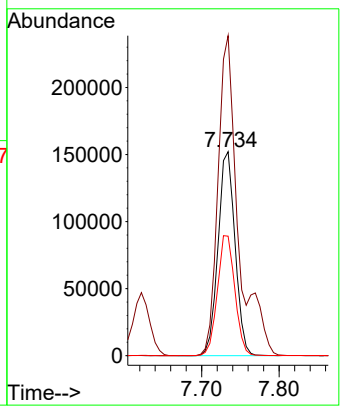


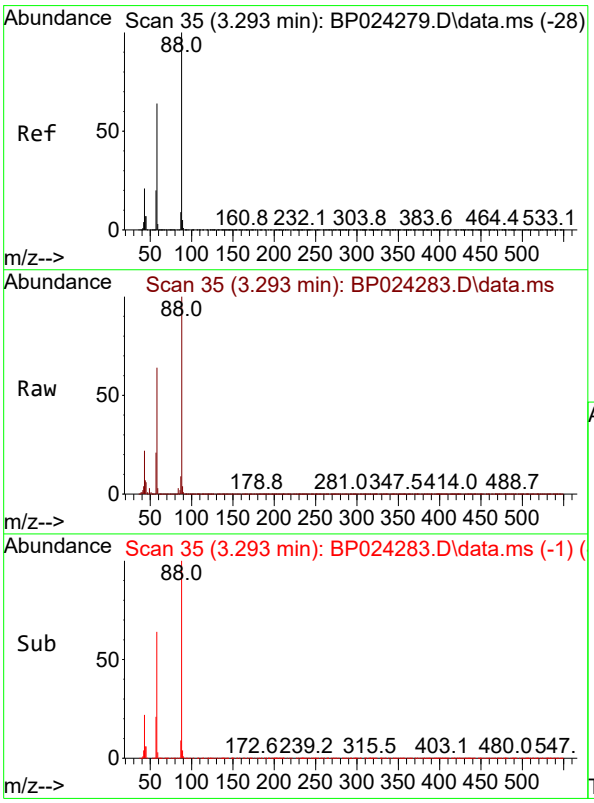
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:152 Resp: 232241

Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.9	187.3
115	58.6	47.7	71.5

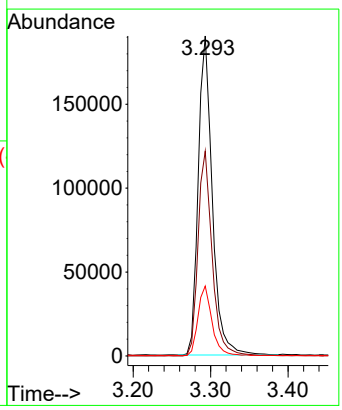


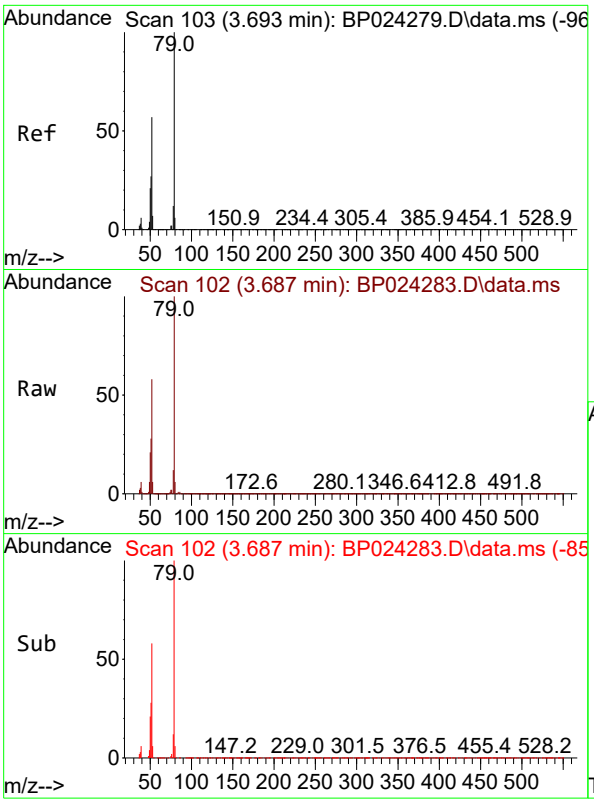


#2
1,4-Dioxane
Concen: 40.412 ng
RT: 3.293 min Scan# 35
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 88 Resp: 240091

Ion	Ratio	Lower	Upper
88	100		
58	64.4	51.4	77.2
43	21.7	17.1	25.7



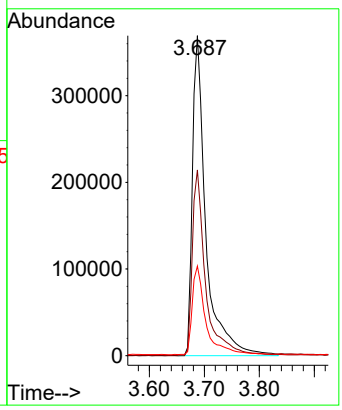


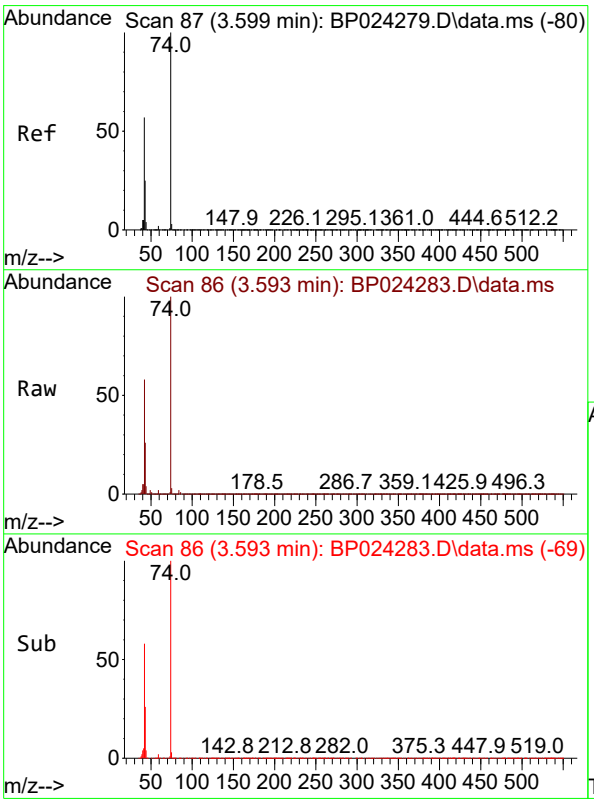
#3
Pyridine
Concen: 39.955 ng
RT: 3.687 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 79 Resp: 626813

Ion	Ratio	Lower	Upper
79	100		
52	58.1	45.4	68.2
51	28.0	22.6	33.8

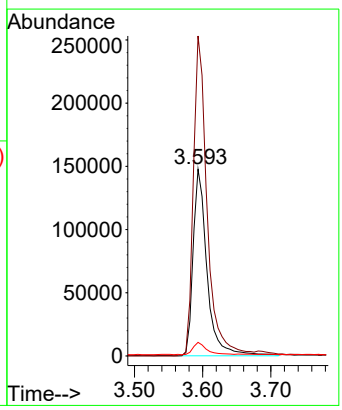


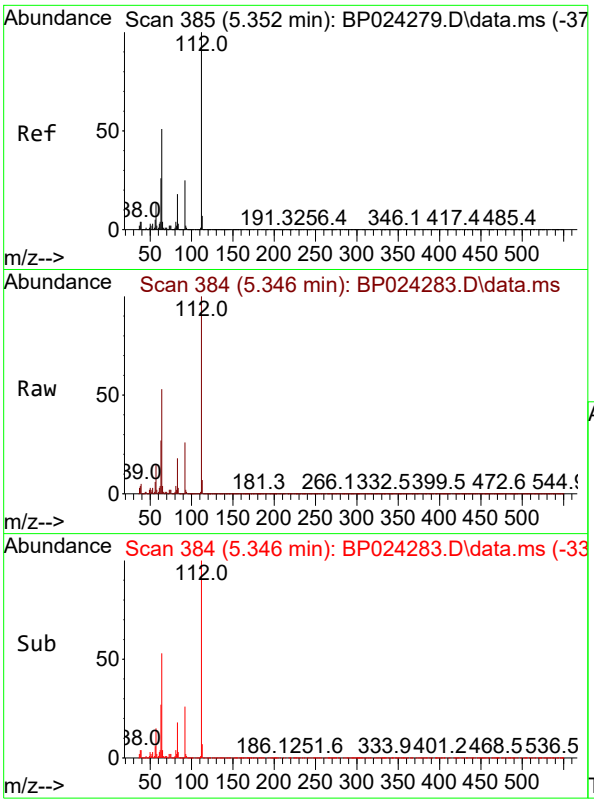


#4
n-Nitrosodimethylamine
Concen: 40.205 ng
RT: 3.593 min Scan# 86
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 42 Resp: 209326

Ion	Ratio	Lower	Upper
42	100		
74	171.4	139.5	209.3
44	7.3	5.8	8.8



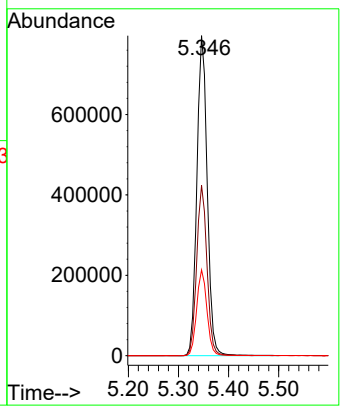


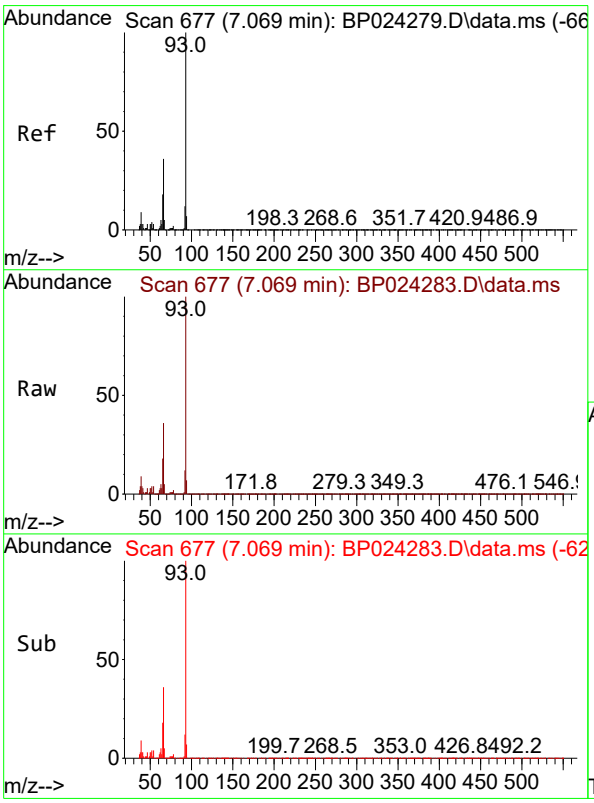
#5
2-Fluorophenol
Concen: 81.302 ng
RT: 5.346 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:112 Resp: 1141956

Ion	Ratio	Lower	Upper
112	100		
64	53.2	41.1	61.7
63	26.8	20.6	30.8

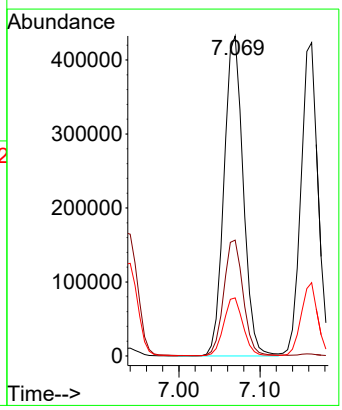


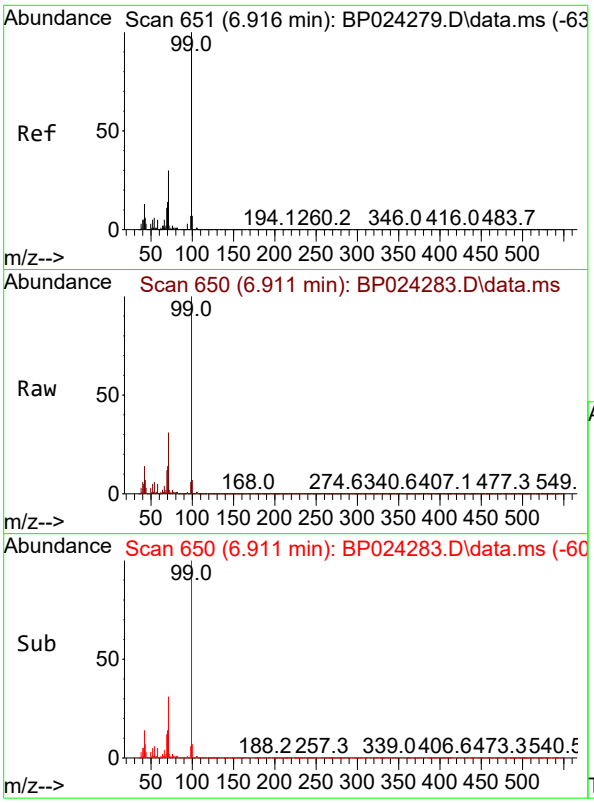


#6
Aniline
Concen: 41.370 ng
RT: 7.069 min Scan# 677
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 93 Resp: 710981

Ion	Ratio	Lower	Upper
93	100		
66	36.2	29.1	43.7
65	18.2	14.7	22.1



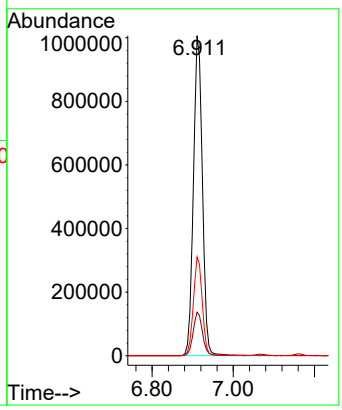


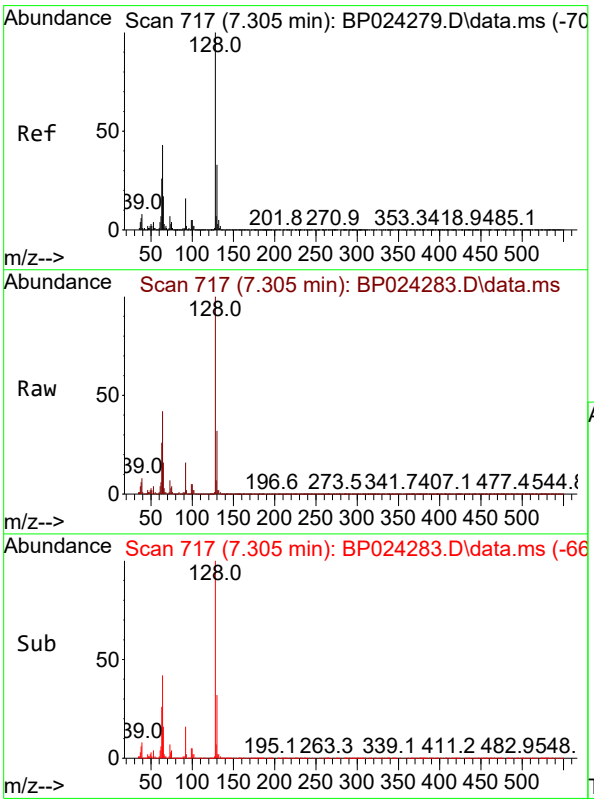
#7
Phenol-d6
Concen: 81.063 ng
RT: 6.911 min Scan# 6
Delta R.T. -0.005 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 99 Resp: 1559050

Ion	Ratio	Lower	Upper
99	100		
42	13.6	10.6	16.0
71	30.9	23.7	35.5

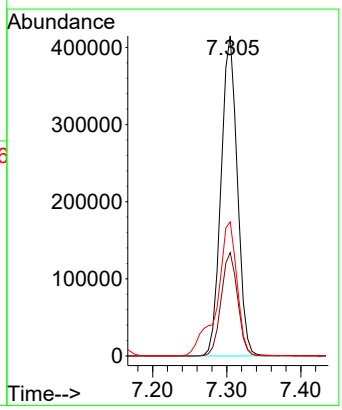


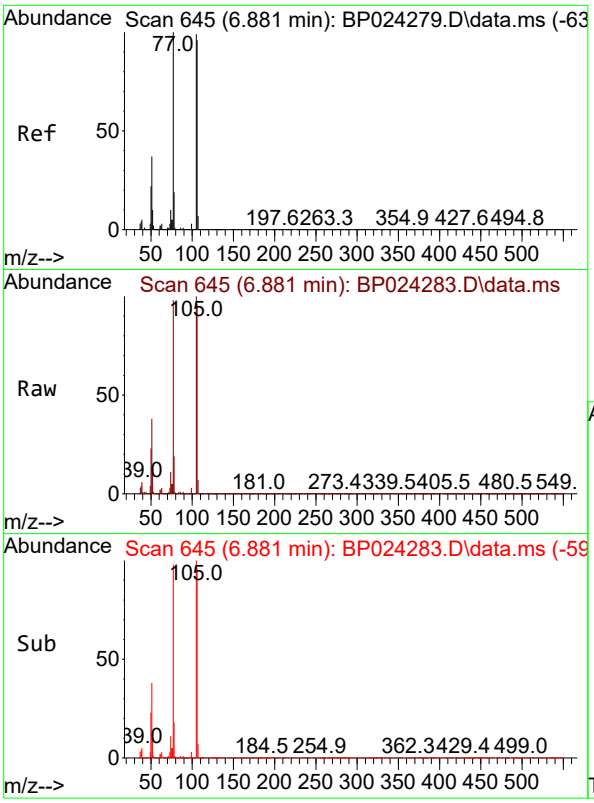


#8
2-Chlorophenol
Concen: 40.334 ng
RT: 7.305 min Scan# 717
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:128 Resp: 632515

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.9	52.9
64	41.9	22.7	62.7



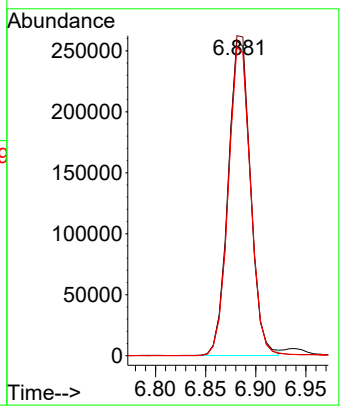


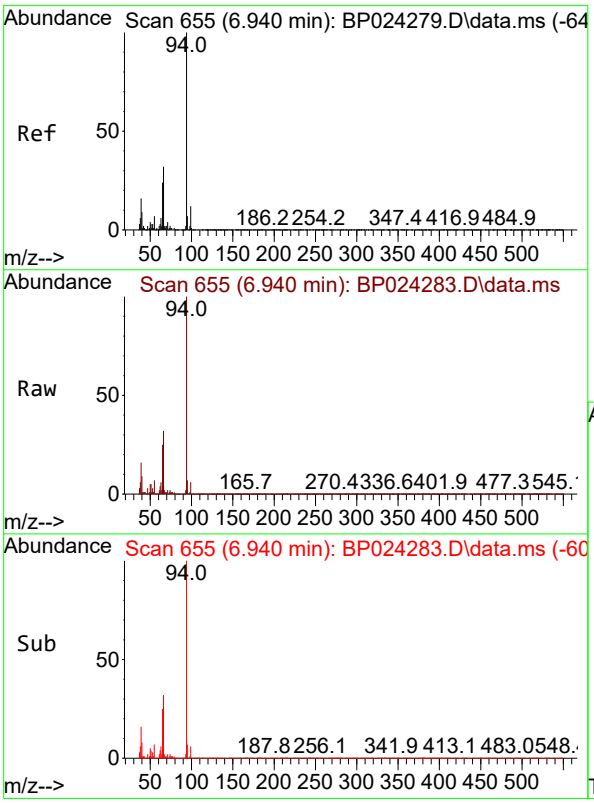
#9
Benzaldehyde
Concen: 42.024 ng
RT: 6.881 min Scan# 64
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 77 Resp: 399803

Ion	Ratio	Lower	Upper
77	100		
105	101.7	79.2	119.2
106	98.0	76.2	116.2

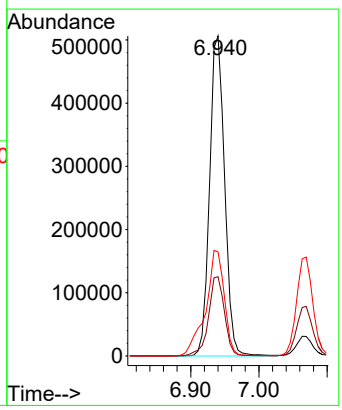


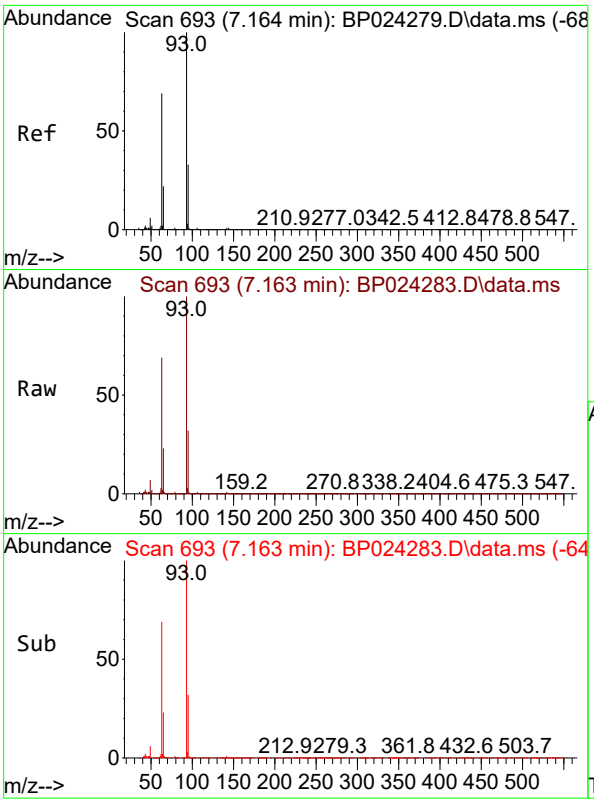


#10
Phenol
Concen: 40.306 ng
RT: 6.940 min Scan# 655
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 94 Resp: 777631

Ion	Ratio	Lower	Upper
94	100		
65	24.7	4.5	44.5
66	32.5	12.4	52.4



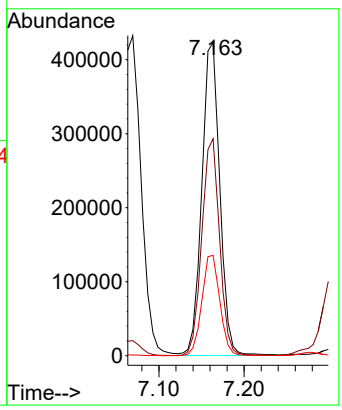


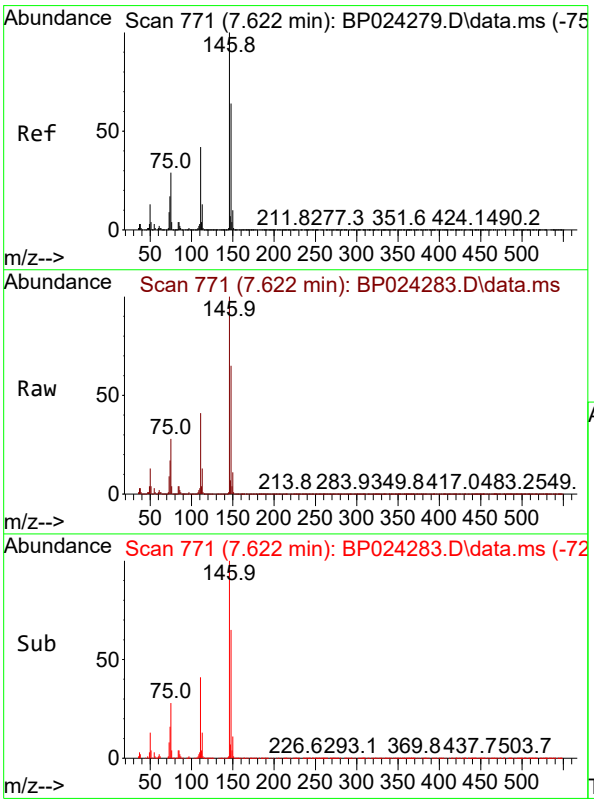
#11
bis(2-Chloroethyl)ether
Concen: 39.902 ng
RT: 7.163 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 93 Resp: 620261

Ion	Ratio	Lower	Upper
93	100		
63	69.2	48.6	88.6
95	32.0	12.3	52.3

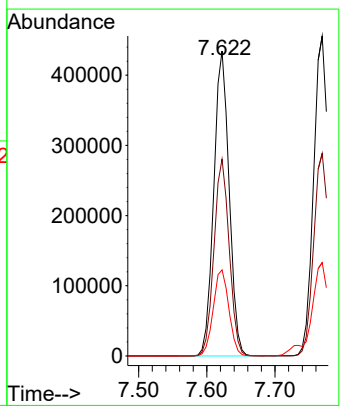


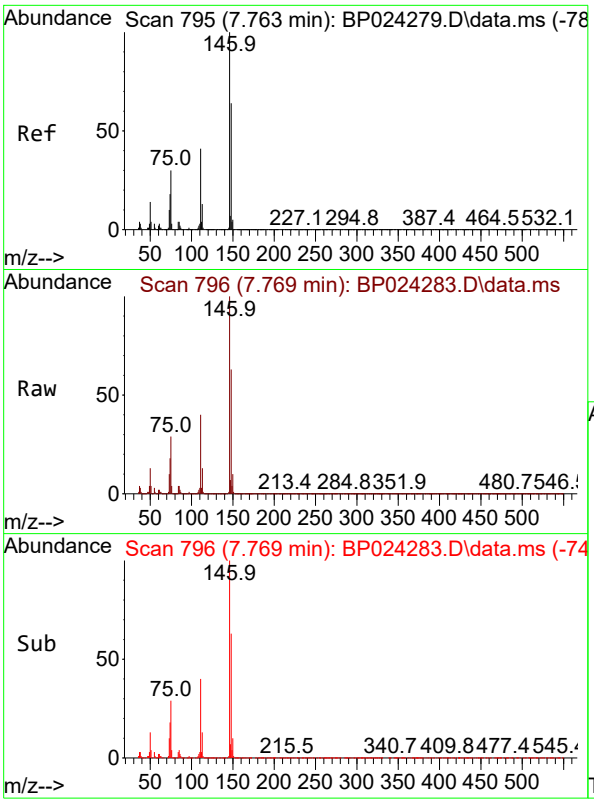


#12
1,3-Dichlorobenzene
Concen: 40.298 ng
RT: 7.622 min Scan# 771
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:146 Resp: 680343

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.4	77.0
75	28.2	22.9	34.3



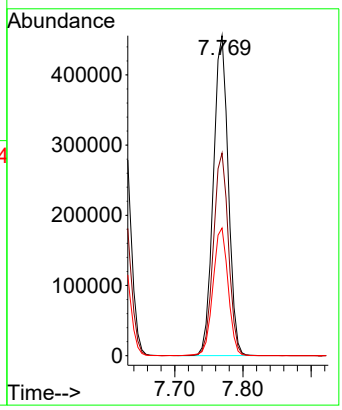


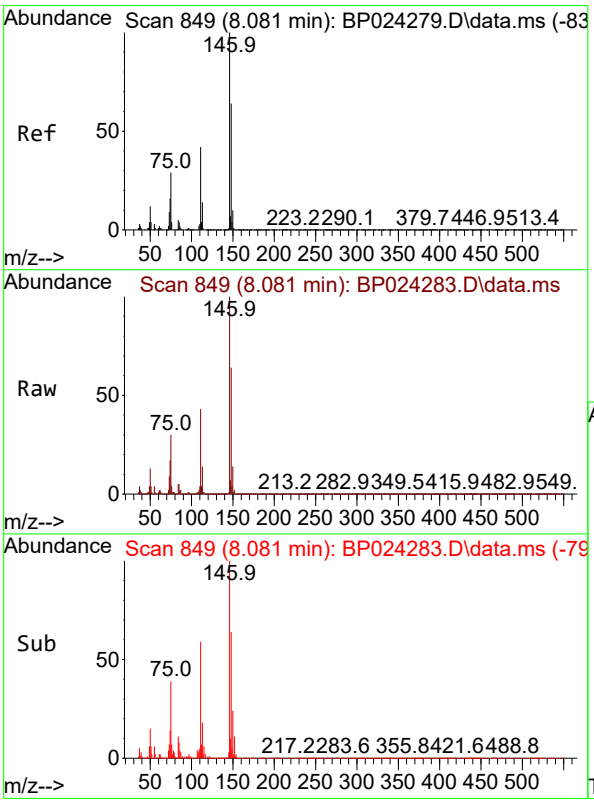
#13
1,4-Dichlorobenzene
Concen: 40.516 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:146 Resp: 694020

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.1	76.7
111	39.9	32.6	48.8

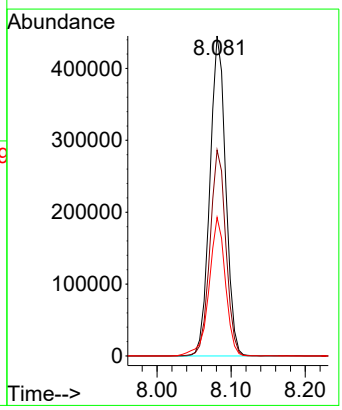


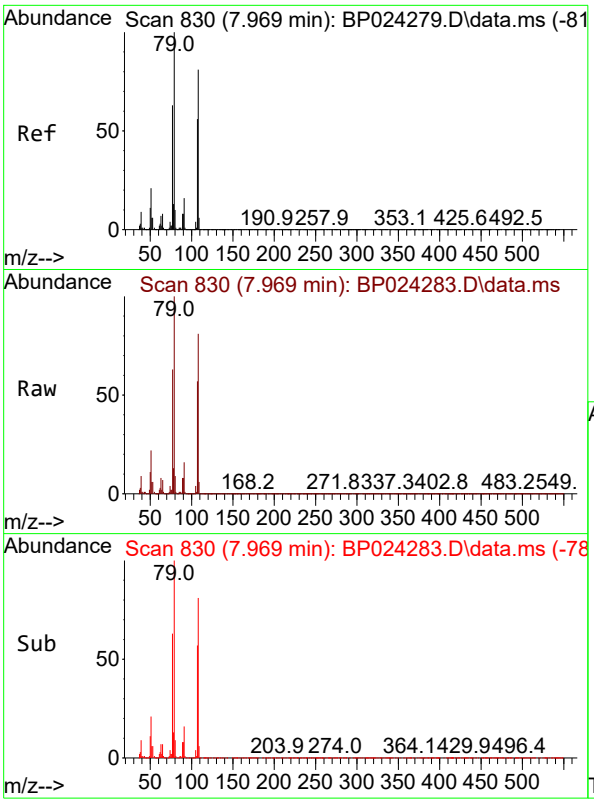


#14
1,2-Dichlorobenzene
Concen: 39.898 ng
RT: 8.081 min Scan# 849
Delta R.T. 0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:146 Resp: 659947

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.0	76.4
111	43.3	33.8	50.8



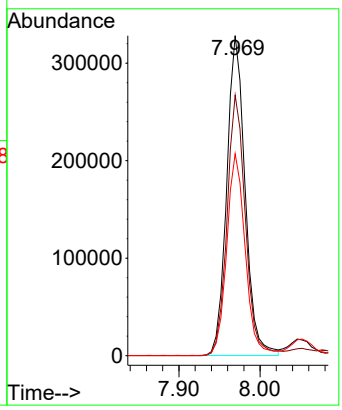


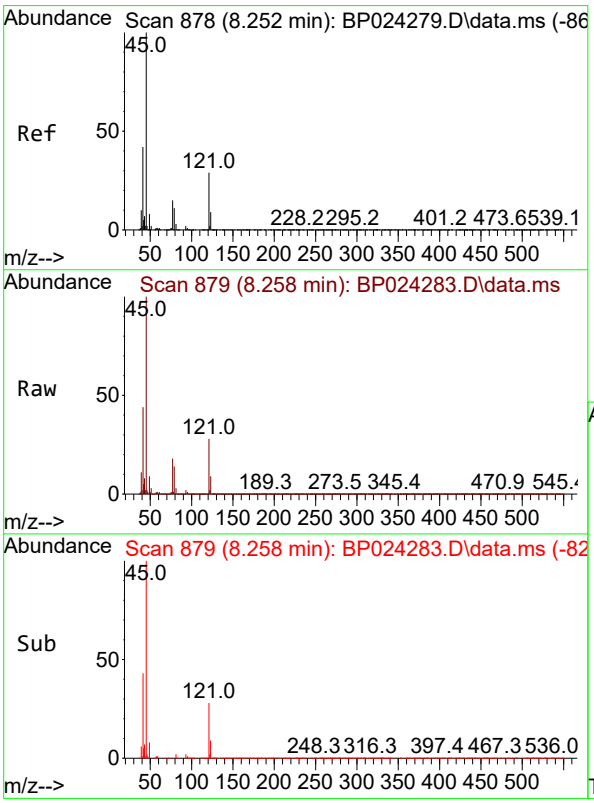
#15
Benzyl Alcohol
Concen: 41.621 ng
RT: 7.969 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 79 Resp: 517678

Ion	Ratio	Lower	Upper
79	100		
108	81.4	65.1	97.7
77	63.1	50.7	76.1

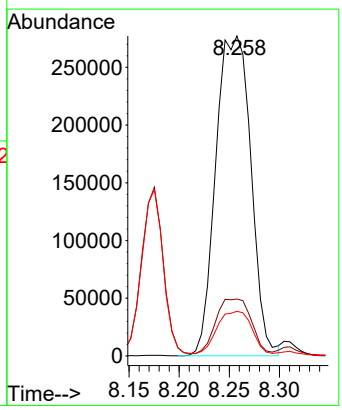


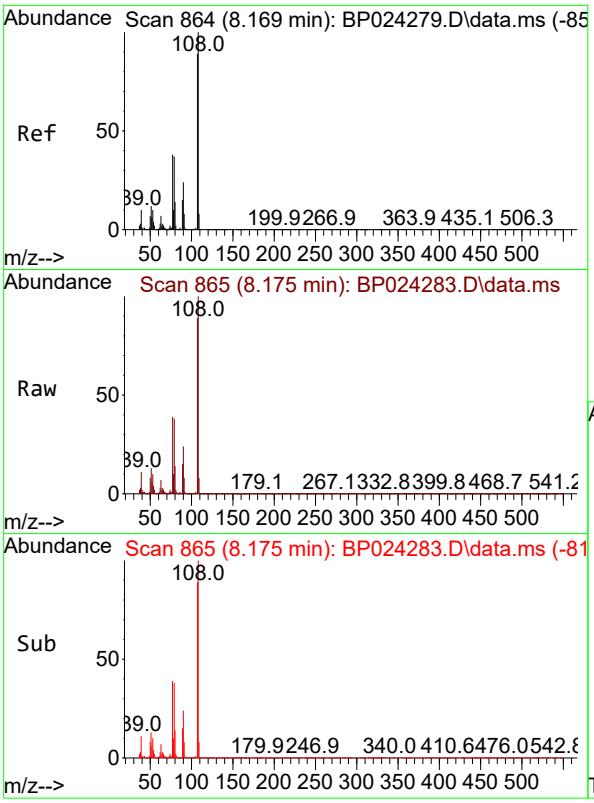


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.173 ng
RT: 8.258 min Scan# 879
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 45 Resp: 674999

Ion	Ratio	Lower	Upper
45	100		
77	17.8	0.0	37.7
79	13.9	0.0	33.5



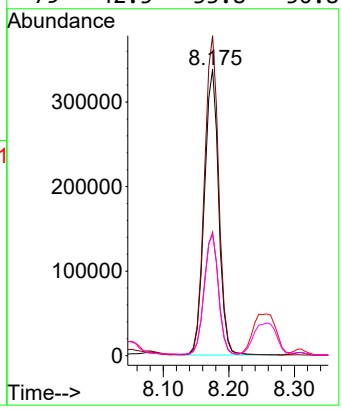


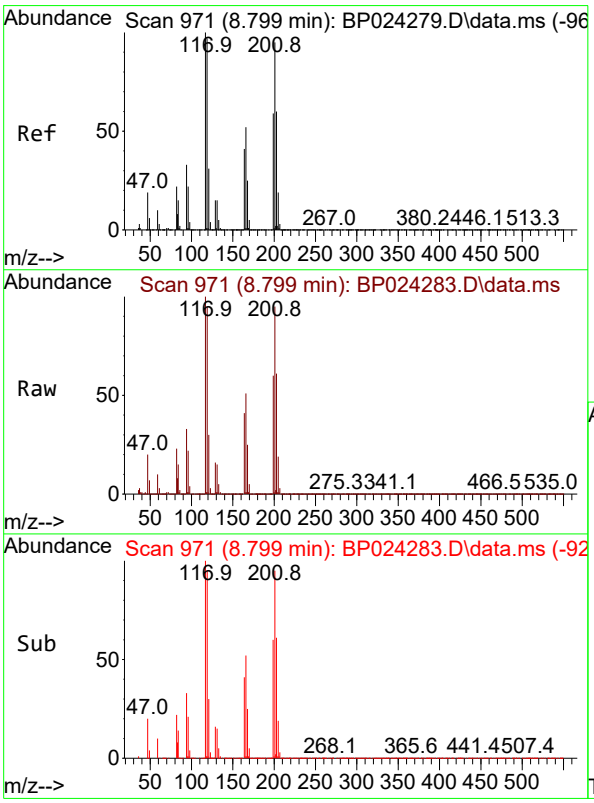
#17
2-Methylphenol
Concen: 41.046 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:107 Resp: 512292

Ion	Ratio	Lower	Upper
107	100		
108	111.8	89.8	134.6
77	43.2	34.2	51.4
79	42.5	33.8	50.8

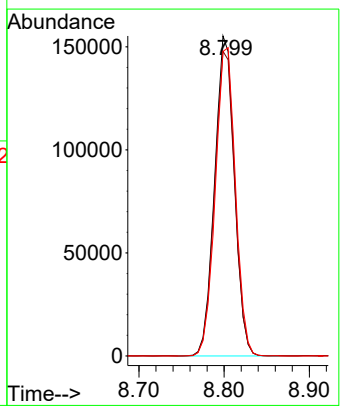


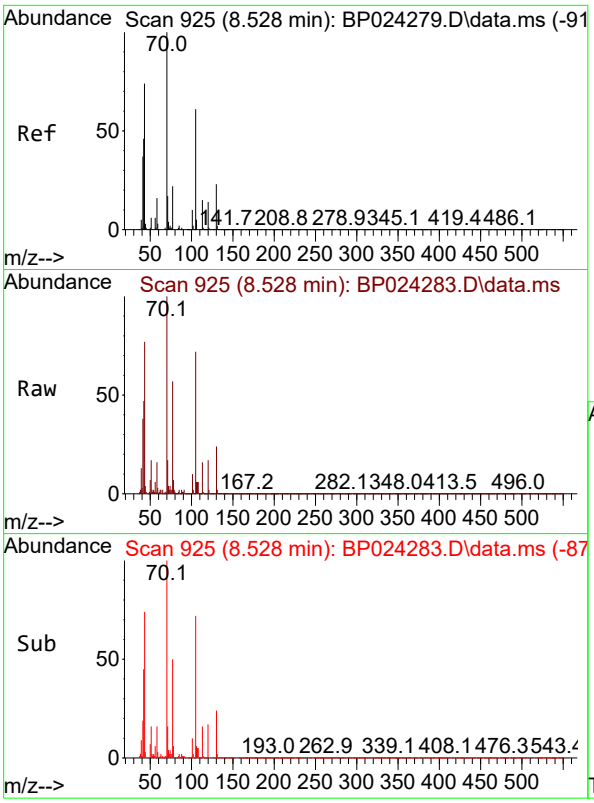


#18
Hexachloroethane
Concen: 40.522 ng
RT: 8.799 min Scan# 971
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:117 Resp: 250852

Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.8	116.6
201	95.1	75.9	113.9



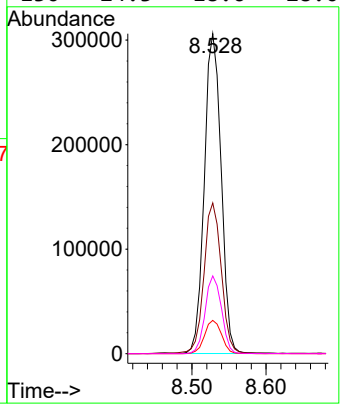


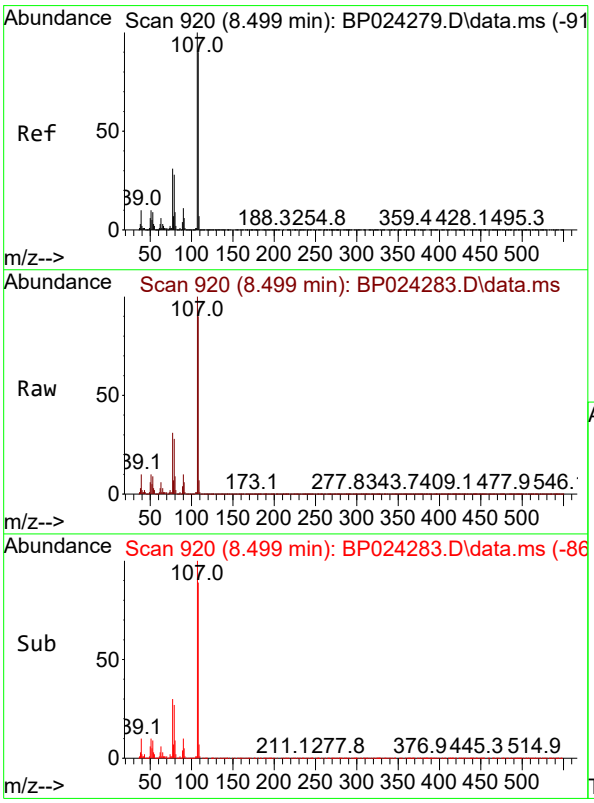
#19
n-Nitroso-di-n-propylamine
Concen: 40.471 ng
RT: 8.528 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 70 Resp: 481540

Ion	Ratio	Lower	Upper
70	100		
42	47.1	37.3	55.9
101	10.4	8.2	12.4
130	24.3	18.6	28.0

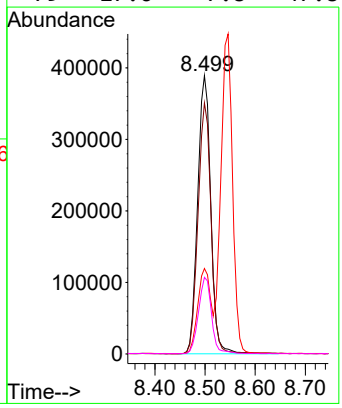


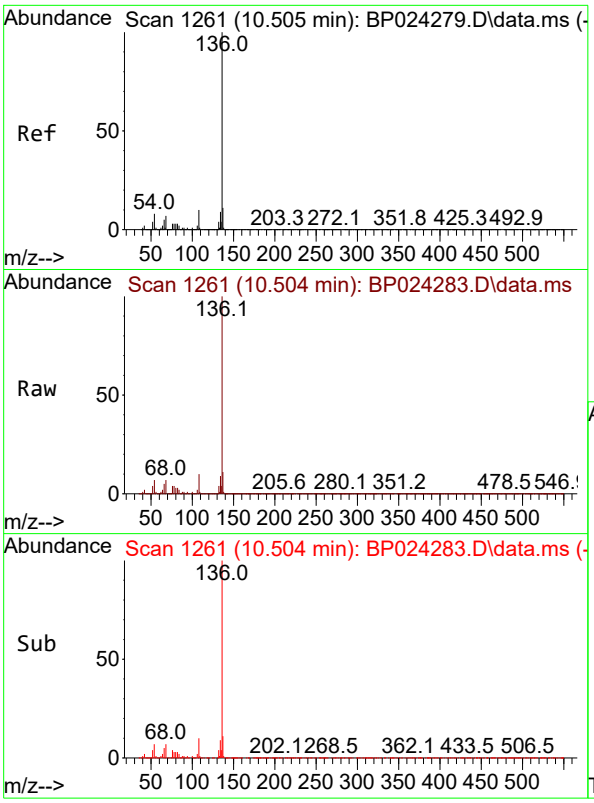


#20
3+4-Methylphenols
Concen: 40.810 ng
RT: 8.499 min Scan# 920
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:107 Resp: 706733

Ion	Ratio	Lower	Upper
107	100		
108	90.2	69.8	109.8
77	30.7	11.5	51.5
79	27.6	7.8	47.8



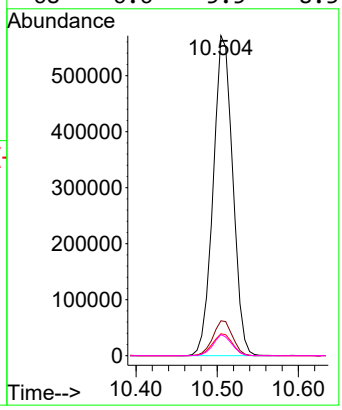


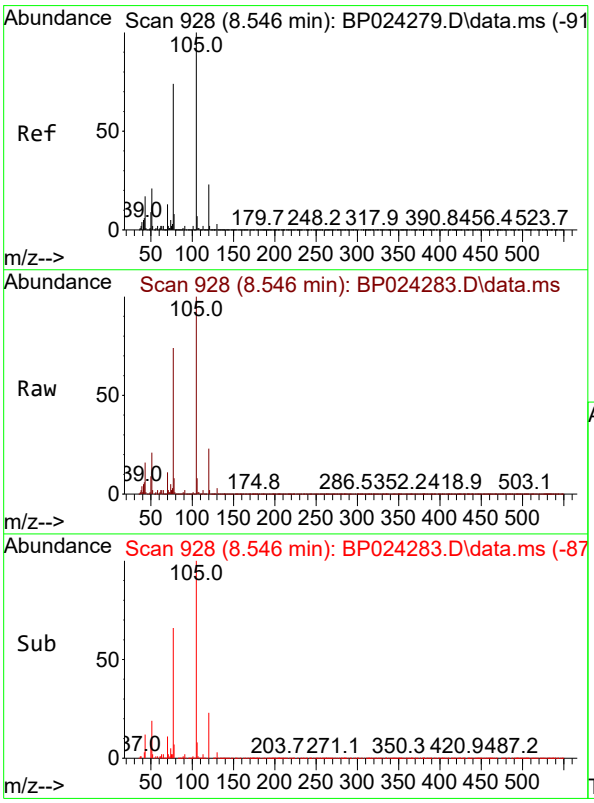
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.504 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:136 Resp: 956448

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	6.8	6.0	9.0
68	6.6	5.5	8.3

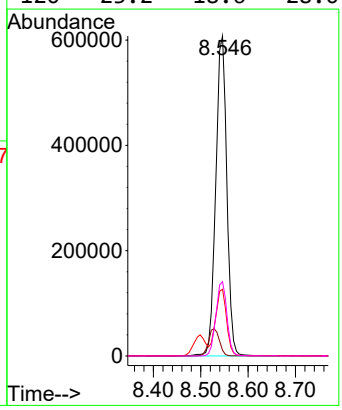


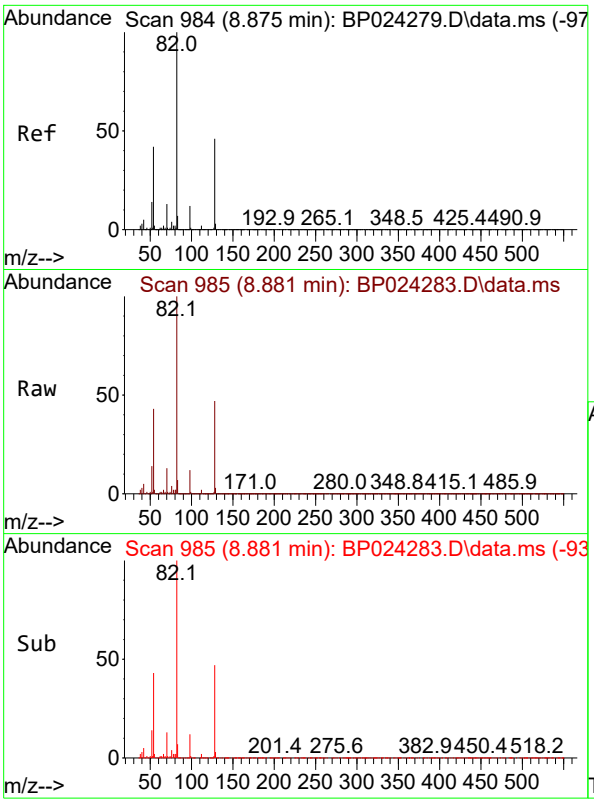


#22
Acetophenone
Concen: 41.652 ng
RT: 8.546 min Scan# 928
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:105 Resp: 986019

Ion	Ratio	Lower	Upper
105	100		
71	1.8	1.7	2.5
51	20.8	16.9	25.3
120	23.2	18.6	28.0



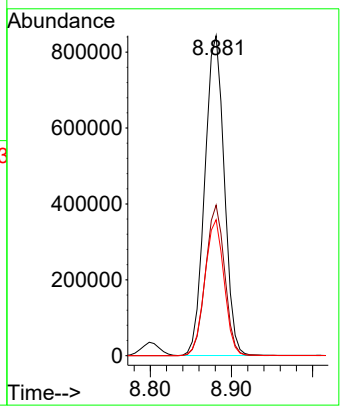


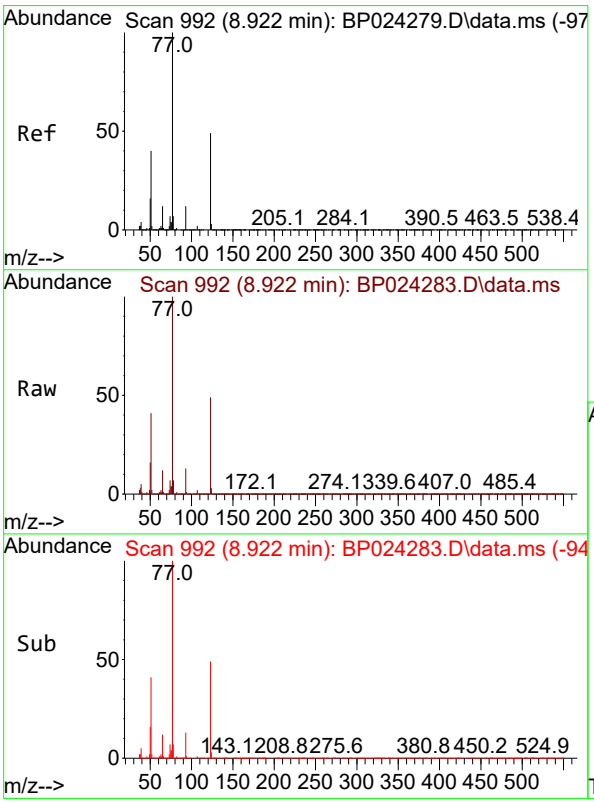
#23
Nitrobenzene-d5
Concen: 83.531 ng
RT: 8.881 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 82 Resp: 1401115

Ion	Ratio	Lower	Upper
82	100		
128	47.0	36.5	54.7
54	42.5	33.4	50.2

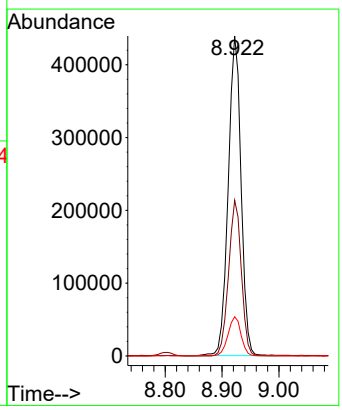


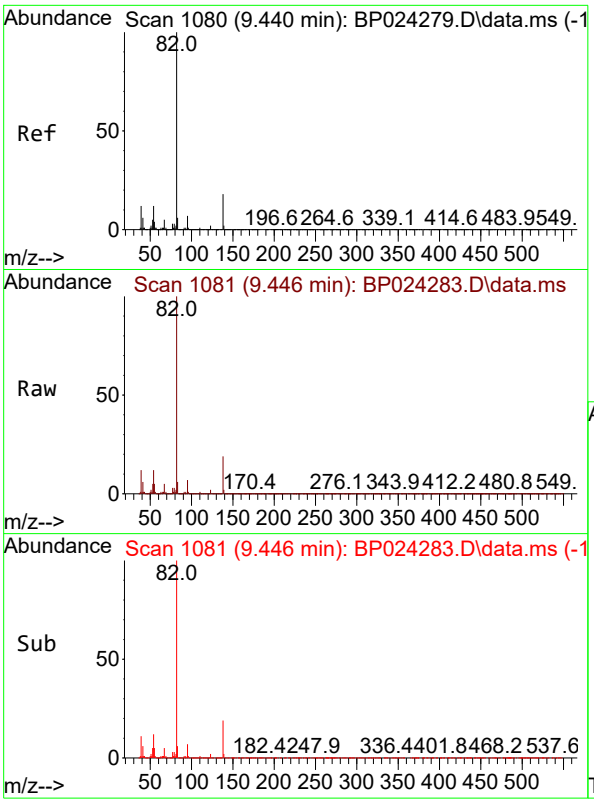


#24
Nitrobenzene
Concen: 41.537 ng
RT: 8.922 min Scan# 992
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 77 Resp: 689231

Ion	Ratio	Lower	Upper
77	100		
123	48.7	39.2	58.8
65	12.2	9.8	14.6



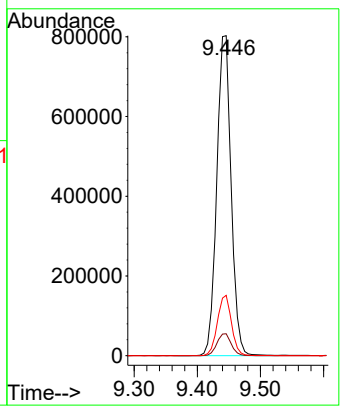


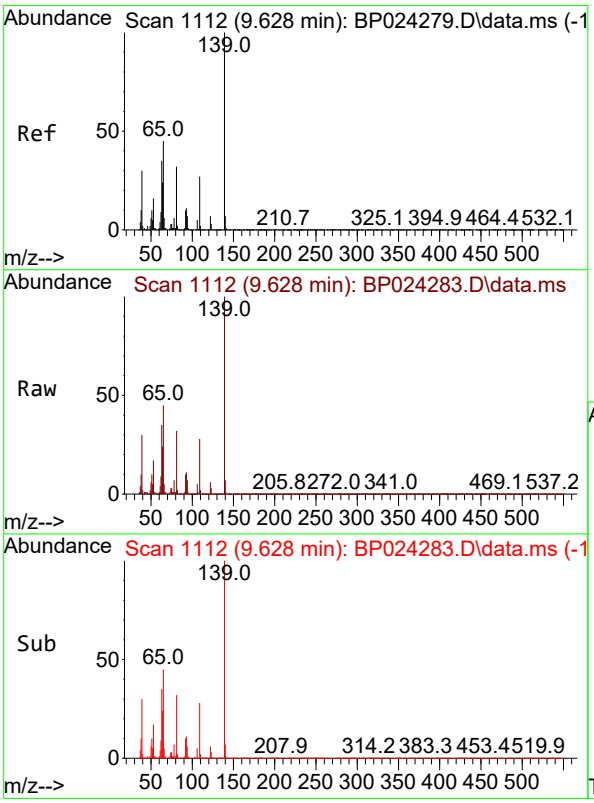
#25
Isophorone
Concen: 41.648 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 82 Resp: 1264480

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.4	8.2
138	18.8	14.4	21.6

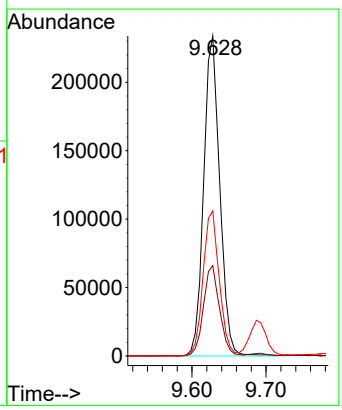


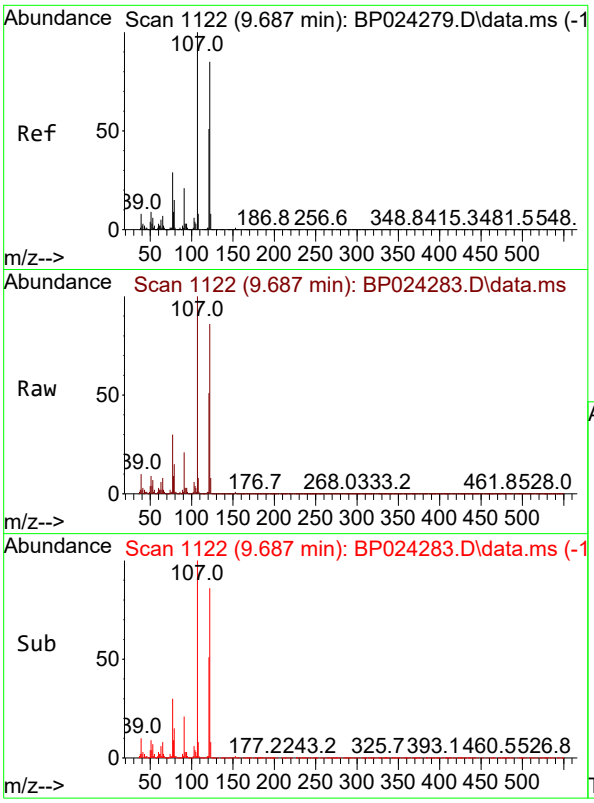


#26
2-Nitrophenol
Concen: 43.376 ng
RT: 9.628 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:139 Resp: 352229

Ion	Ratio	Lower	Upper
139	100		
109	28.2	21.8	32.6
65	45.3	36.2	54.2



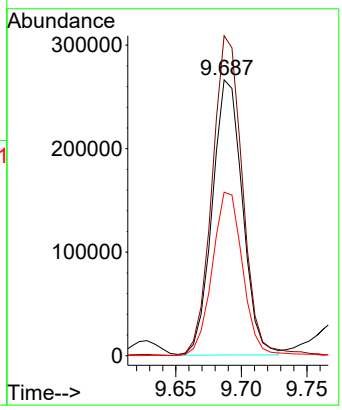


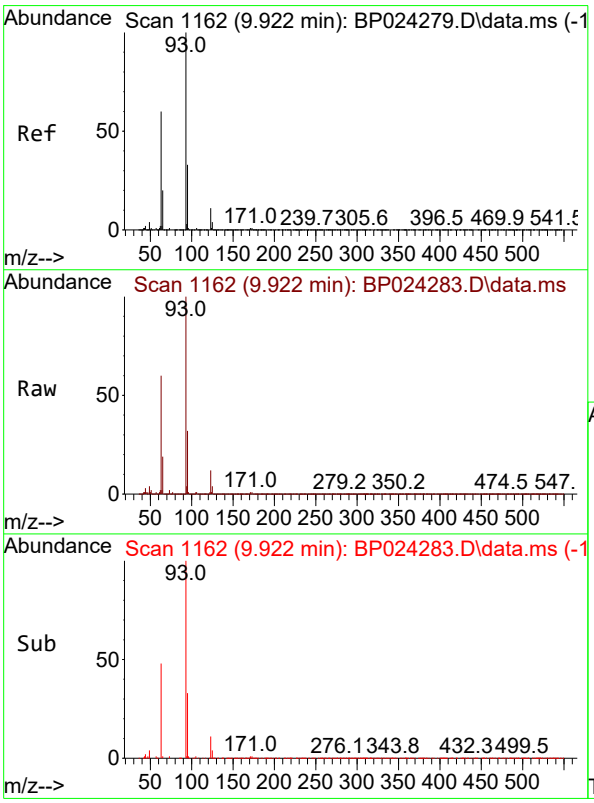
#27
2,4-Dimethylphenol
Concen: 41.689 ng
RT: 9.687 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:122 Resp: 425062

Ion	Ratio	Lower	Upper
122	100		
107	116.0	93.7	140.5
121	59.3	48.2	72.2

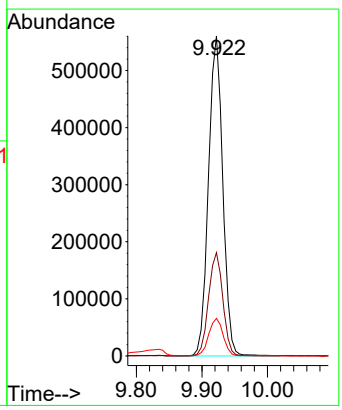


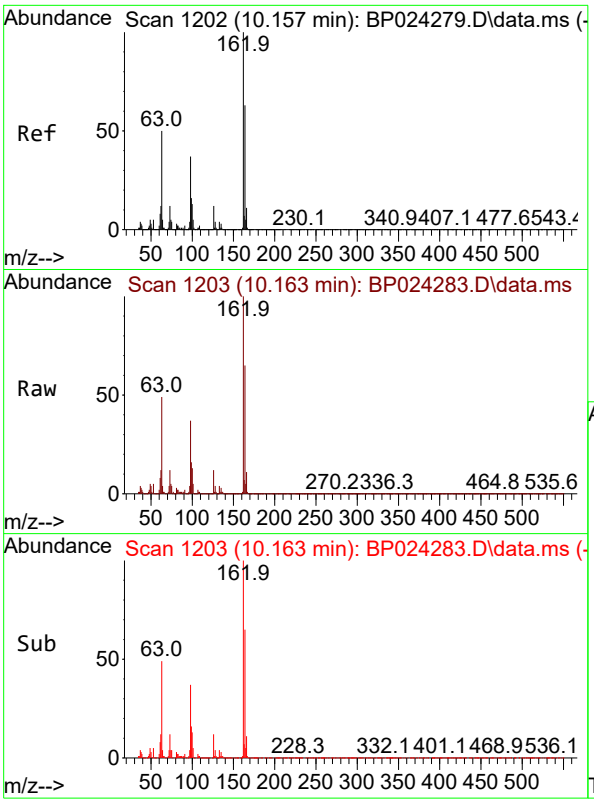


#28
bis(2-Chloroethoxy)methane
Concen: 41.402 ng
RT: 9.922 min Scan# 1162
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 93 Resp: 849161

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.0	39.0
123	11.7	9.1	13.7



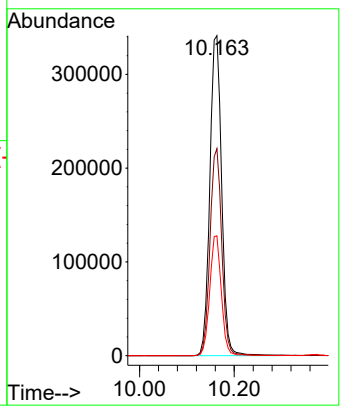


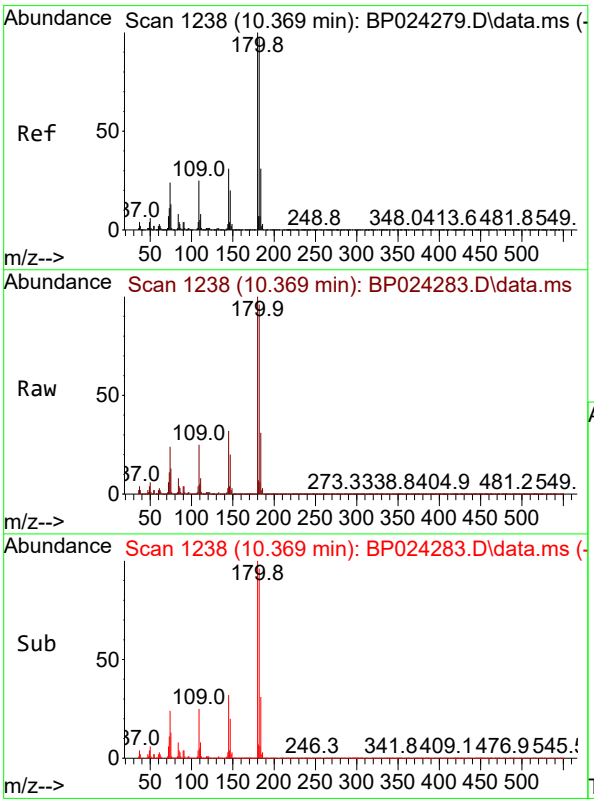
#29
2,4-Dichlorophenol
Concen: 42.461 ng
RT: 10.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:162 Resp: 590306

Ion	Ratio	Lower	Upper
162	100		
164	64.7	43.3	83.3
98	37.4	16.6	56.6

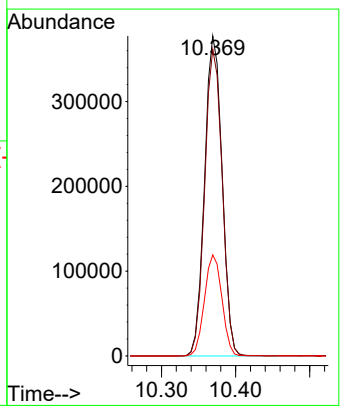


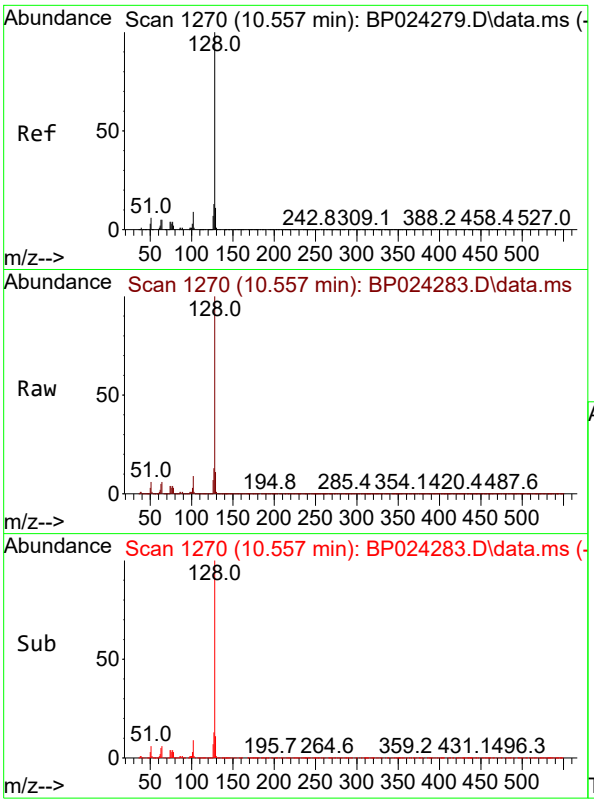


#30
1,2,4-Trichlorobenzene
Concen: 41.612 ng
RT: 10.369 min Scan# 1238
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:180 Resp: 619818

Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.3	115.9
145	31.6	25.1	37.7



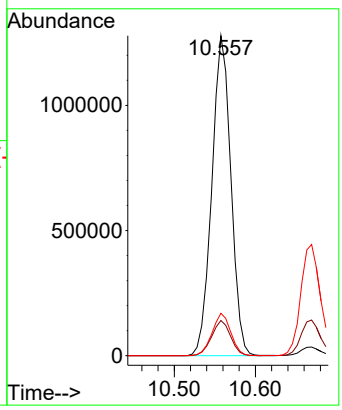


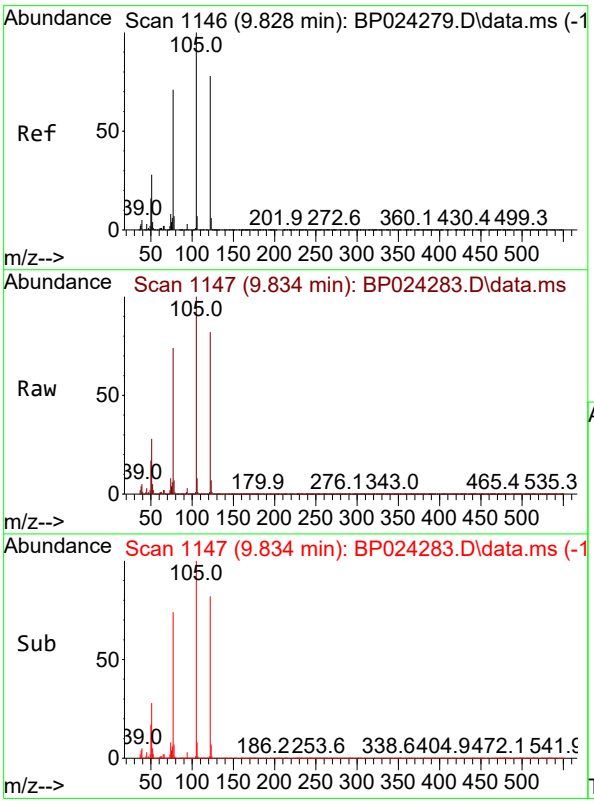
#31
Naphthalene
Concen: 41.386 ng
RT: 10.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:128 Resp: 2085090

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	13.2	10.3	15.5

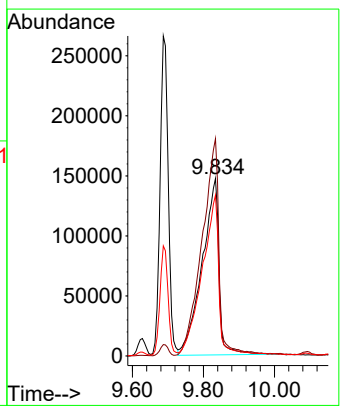


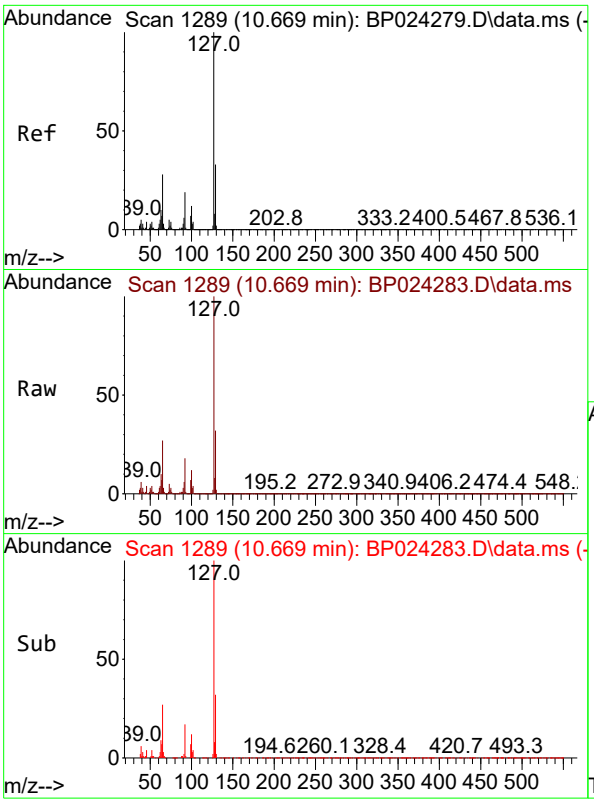


#32
Benzoic acid
Concen: 40.959 ng
RT: 9.834 min Scan# 1147
Delta R.T. -0.041 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:122 Resp: 486627

Ion	Ratio	Lower	Upper
122	100		
105	122.5	104.8	144.8
77	90.6	69.2	109.2



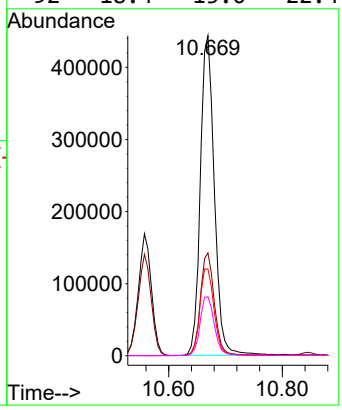


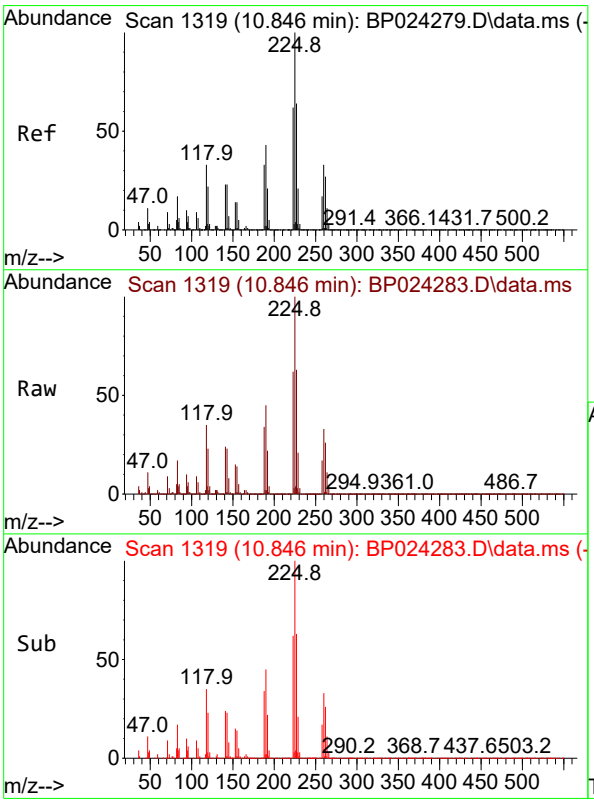
#33
4-Chloroaniline
Concen: 42.937 ng
RT: 10.669 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:127 Resp: 761817

Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.1	39.1
65	27.1	22.1	33.1
92	18.4	15.0	22.4

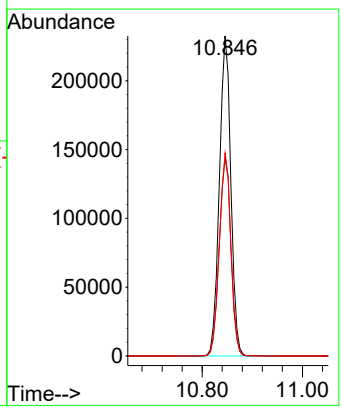


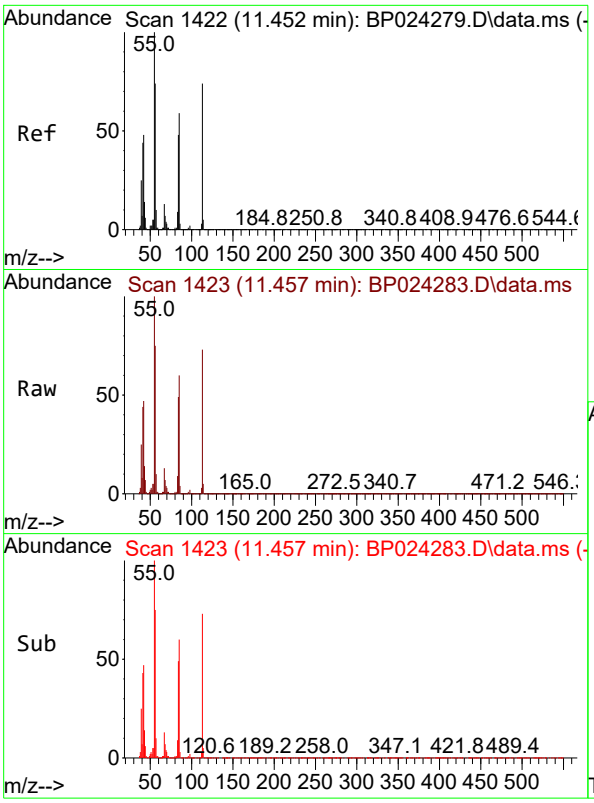


#34
Hexachlorobutadiene
Concen: 42.007 ng
RT: 10.846 min Scan# 1319
Delta R.T. 0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:225 Resp: 367684

Ion	Ratio	Lower	Upper
225	100		
223	61.9	49.5	74.3
227	63.4	50.9	76.3



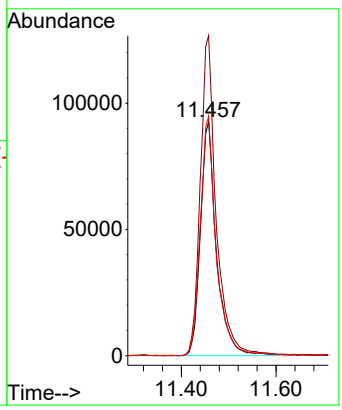


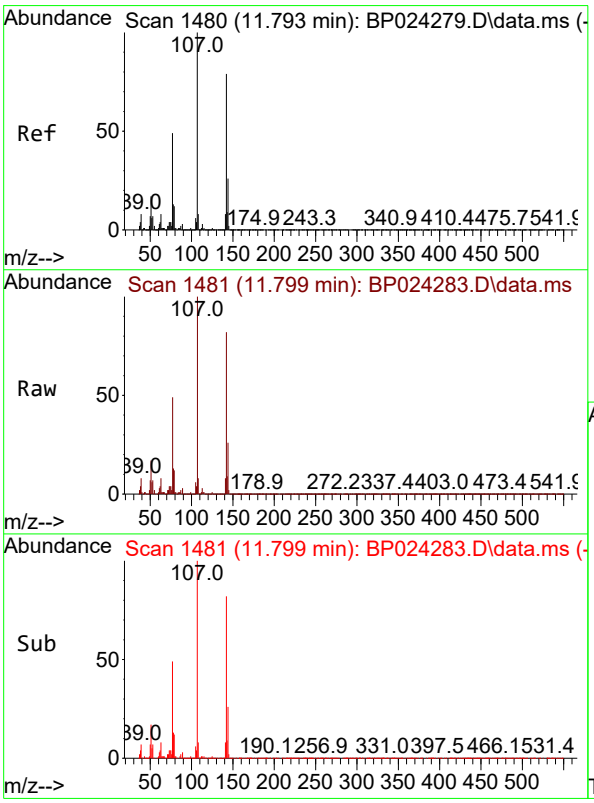
#35
Caprolactam
Concen: 42.152 ng
RT: 11.457 min Scan# 14
Delta R.T. -0.023 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:113 Resp: 216229

Ion	Ratio	Lower	Upper
113	100		
55	136.8	115.9	155.9
56	102.3	81.1	121.1

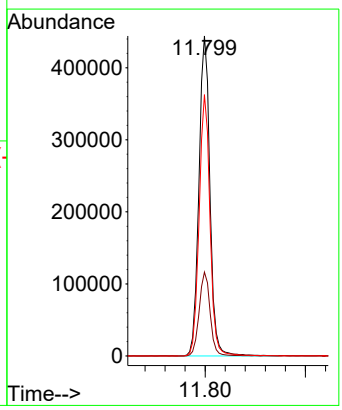


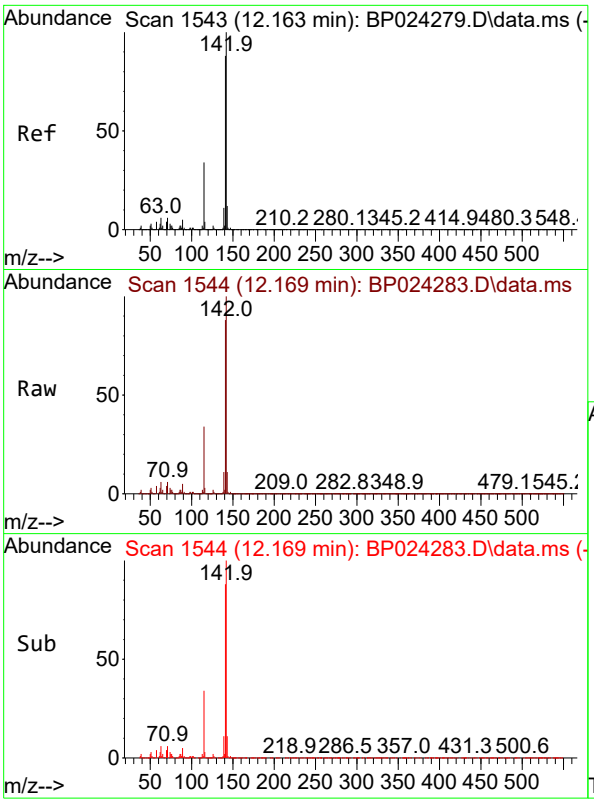


#36
4-Chloro-3-methylphenol
Concen: 41.737 ng
RT: 11.799 min Scan# 1481
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:107 Resp: 675857

Ion	Ratio	Lower	Upper
107	100		
144	26.2	20.5	30.7
142	81.6	63.4	95.2



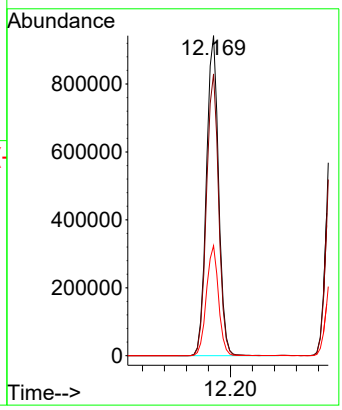


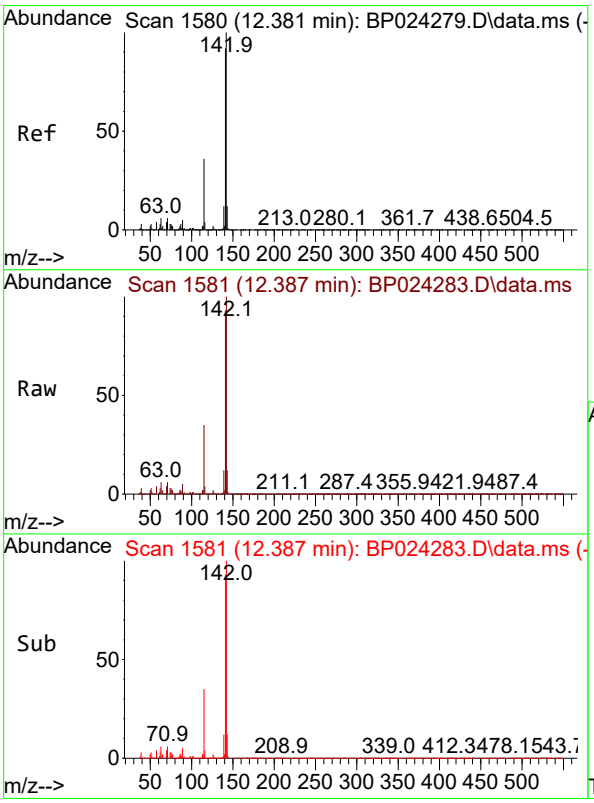
#37
2-Methylnaphthalene
Concen: 41.403 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:142 Resp: 1446647

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.3	105.5
115	34.4	26.9	40.3

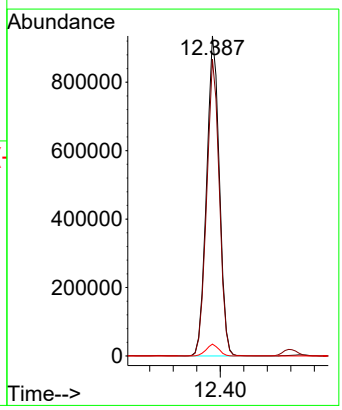


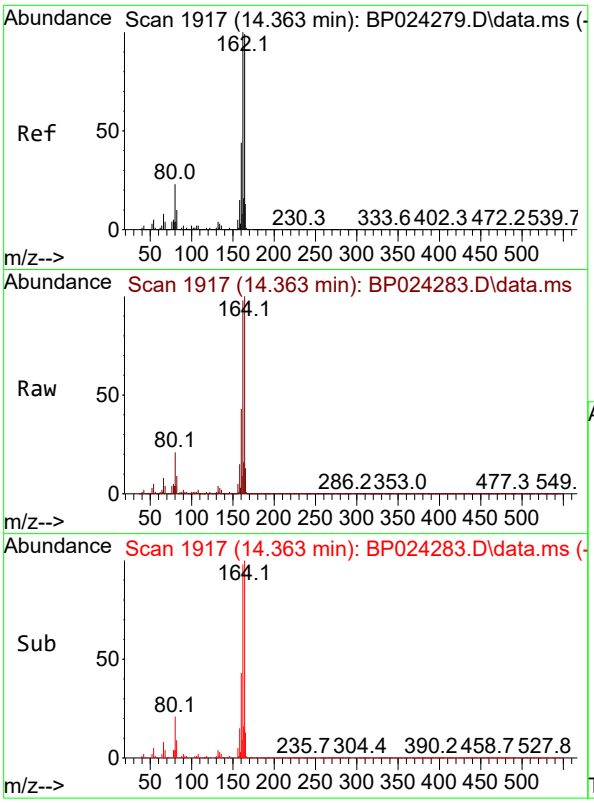


#38
1-Methylnaphthalene
Concen: 41.210 ng
RT: 12.387 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:142 Resp: 1408633

Ion	Ratio	Lower	Upper
142	100		
141	92.7	73.6	110.4
116	3.7	3.0	4.6



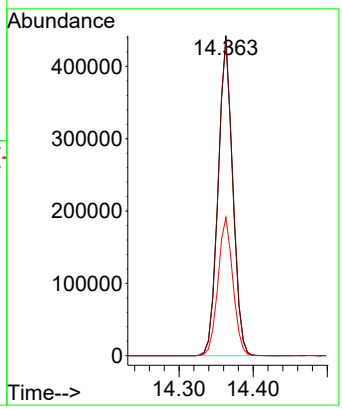


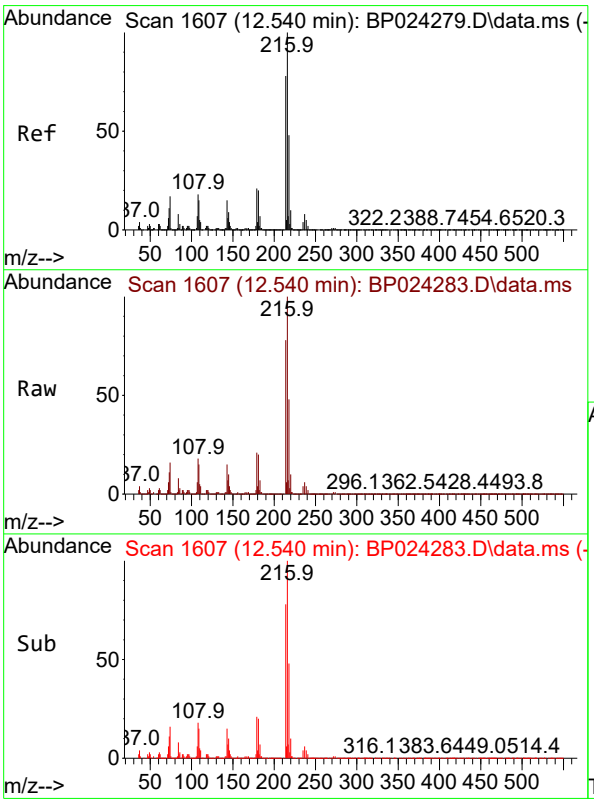
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:164 Resp: 600031

Ion	Ratio	Lower	Upper
164	100		
162	98.5	80.6	120.8
160	43.2	35.3	52.9

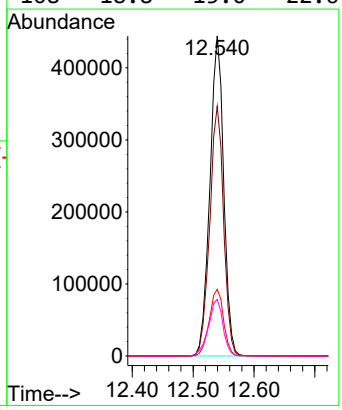


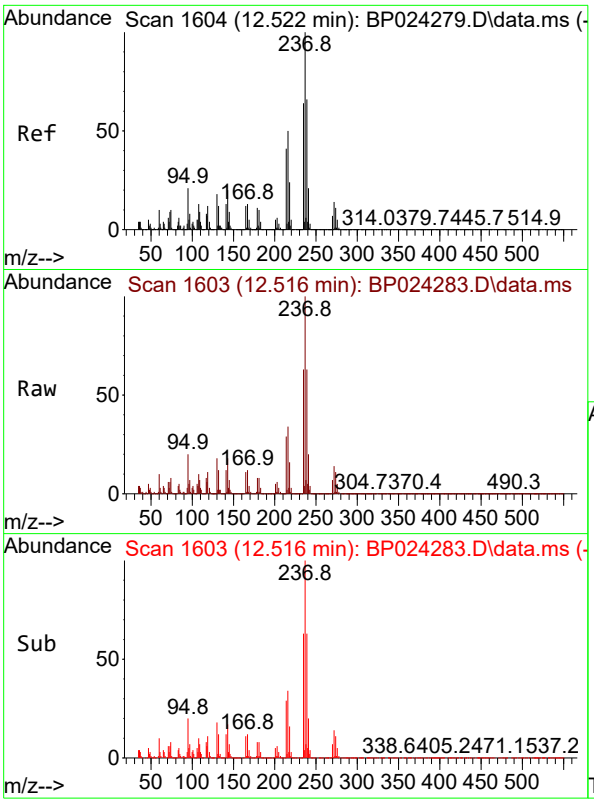


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.275 ng
RT: 12.540 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:216 Resp: 697580

Ion	Ratio	Lower	Upper
216	100		
214	78.6	62.6	93.8
179	21.5	17.2	25.8
108	18.8	15.0	22.6



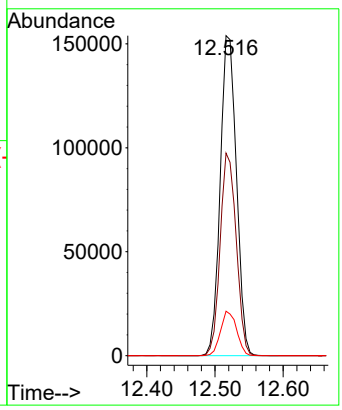


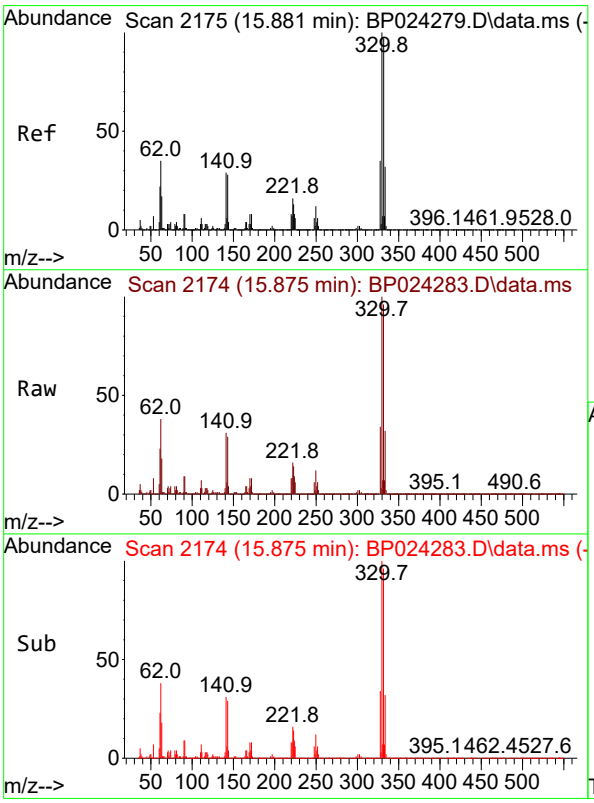
#41
Hexachlorocyclopentadiene
Concen: 43.639 ng
RT: 12.516 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:237 Resp: 254676

Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.9	83.9
272	13.9	0.0	33.6

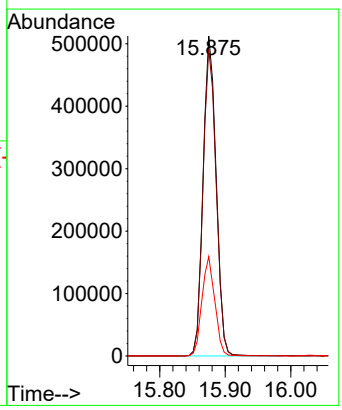


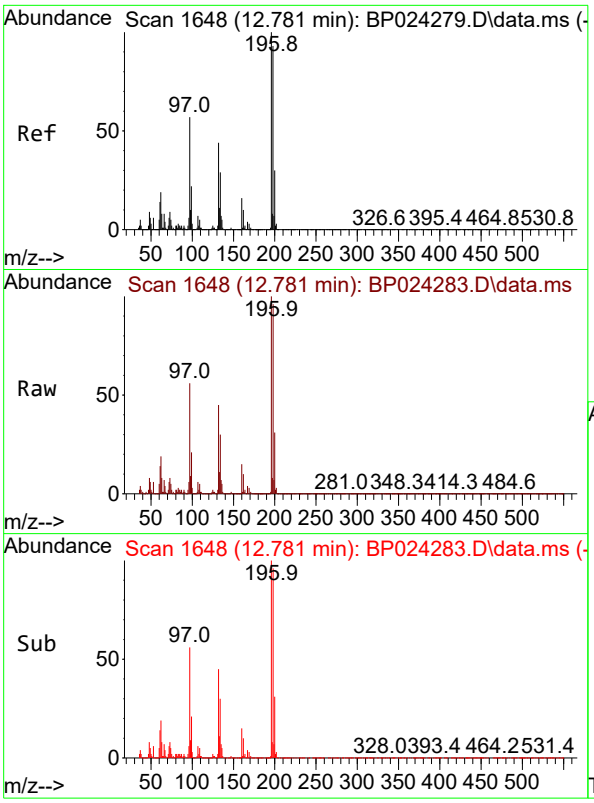


#42
2,4,6-Tribromophenol
Concen: 85.488 ng
RT: 15.875 min Scan# 2174
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:330 Resp: 709703

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.1	115.7
141	30.7	24.7	37.1



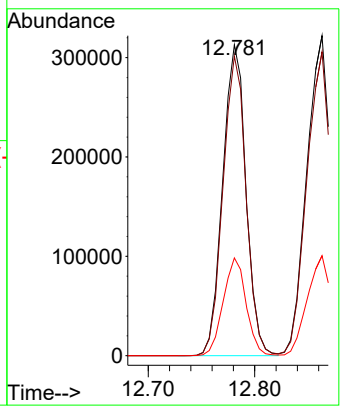


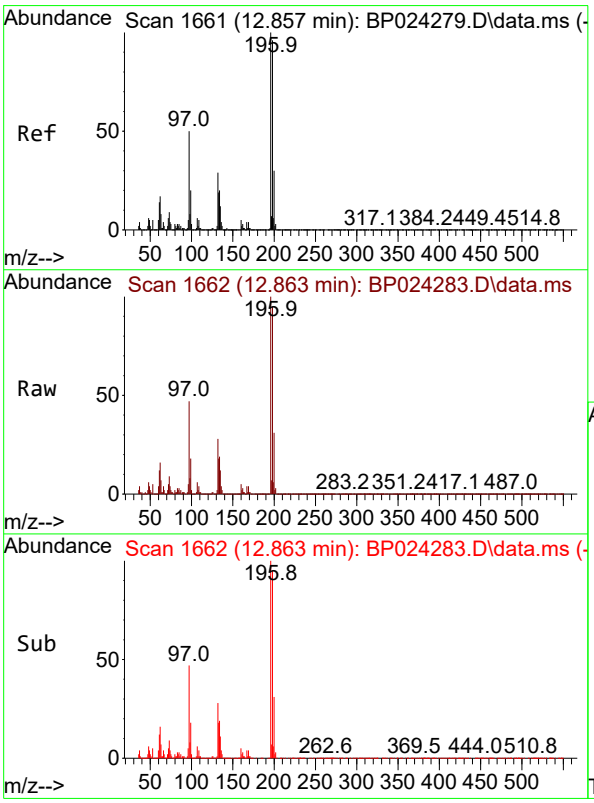
#43
2,4,6-Trichlorophenol
Concen: 43.329 ng
RT: 12.781 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:196 Resp: 475349

Ion	Ratio	Lower	Upper
196	100		
198	96.3	74.3	111.5
200	31.4	24.0	36.0

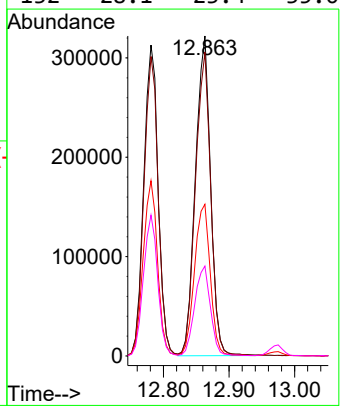


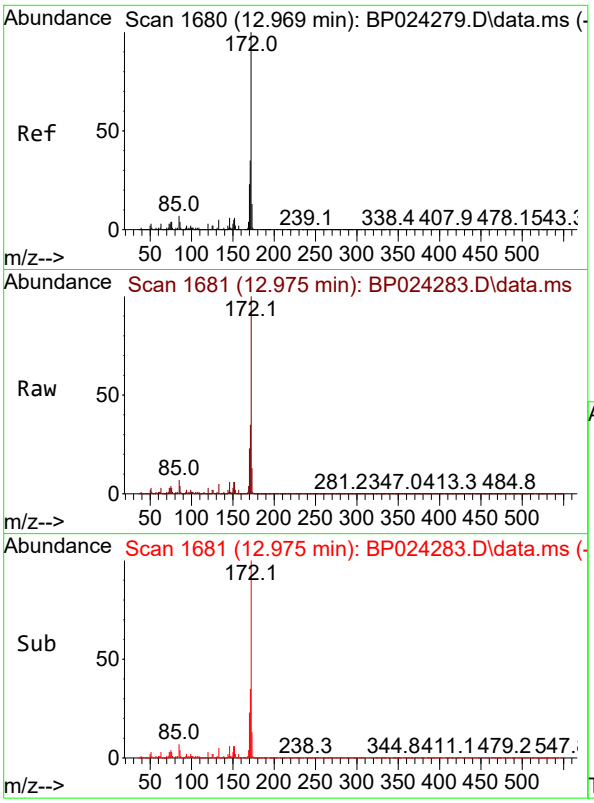


#44
2,4,5-Trichlorophenol
Concen: 42.828 ng
RT: 12.863 min Scan# 1662
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:196 Resp: 520298

Ion	Ratio	Lower	Upper
196	100		
198	95.0	77.3	115.9
97	47.4	40.4	60.6
132	28.1	23.4	35.0



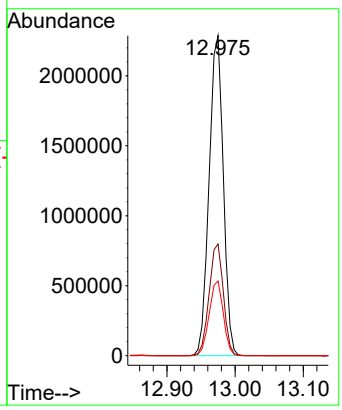


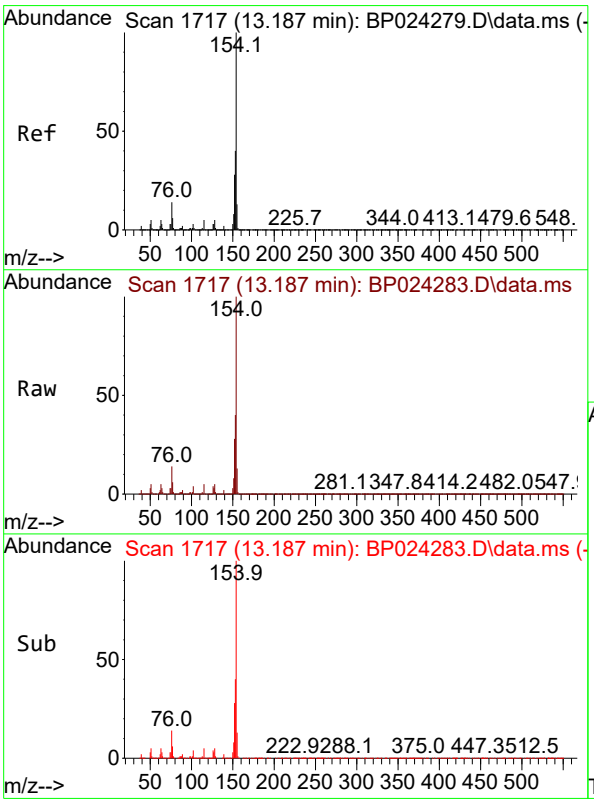
#45
2-Fluorobiphenyl
Concen: 84.715 ng
RT: 12.975 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:172 Resp: 3319933

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.2	42.2
170	23.3	18.6	27.8

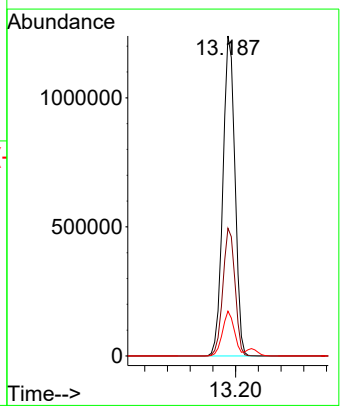


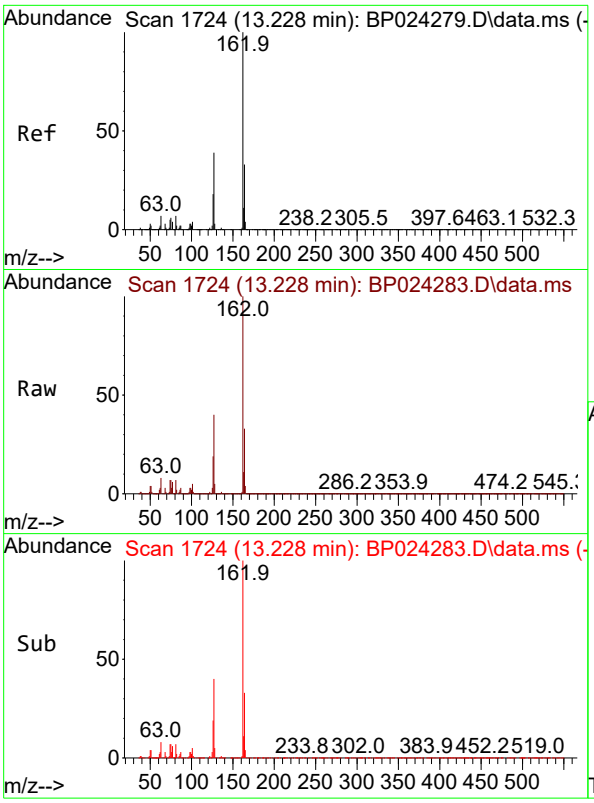


#46
1,1'-Biphenyl
Concen: 41.595 ng
RT: 13.187 min Scan# 1717
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:154 Resp: 1834570

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.3	60.3
76	14.0	0.0	33.5



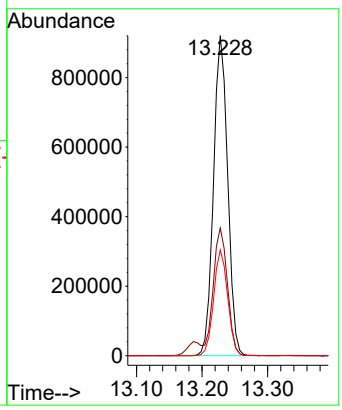


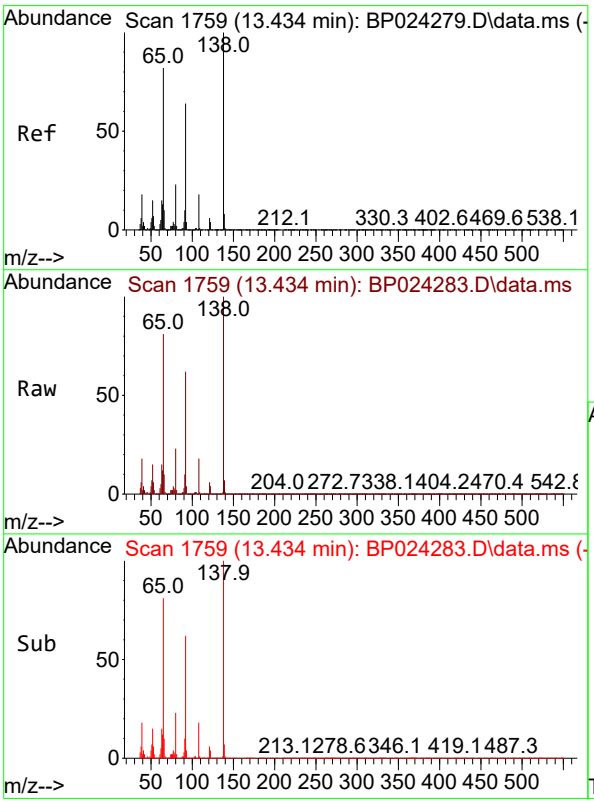
#47
2-Chloronaphthalene
Concen: 41.786 ng
RT: 13.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:162 Resp: 1377424

Ion	Ratio	Lower	Upper
162	100		
127	39.9	31.9	47.9
164	33.0	26.2	39.4

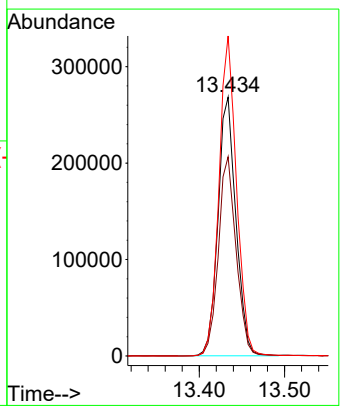


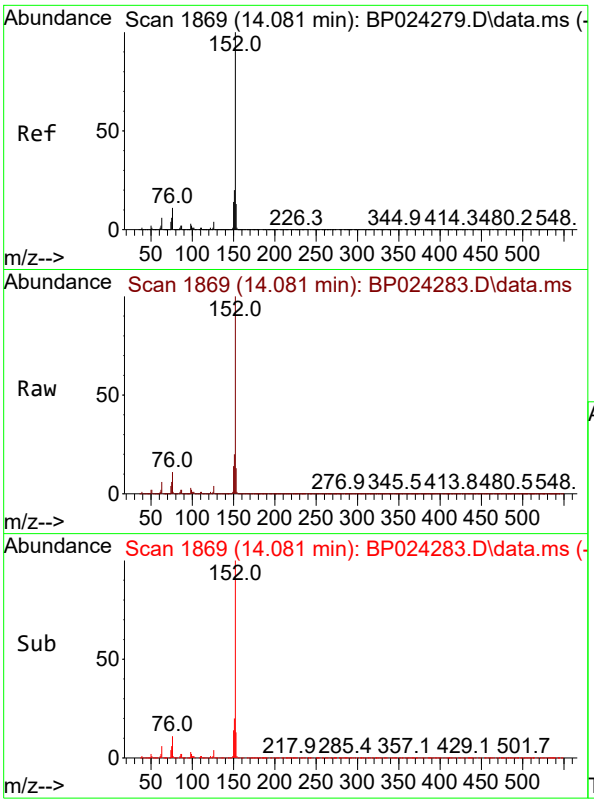


#48
2-Nitroaniline
Concen: 42.475 ng
RT: 13.434 min Scan# 1759
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 65 Resp: 392742

Ion	Ratio	Lower	Upper
65	100		
92	77.0	62.3	93.5
138	123.6	97.2	145.8



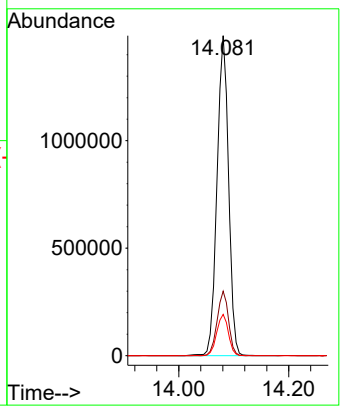


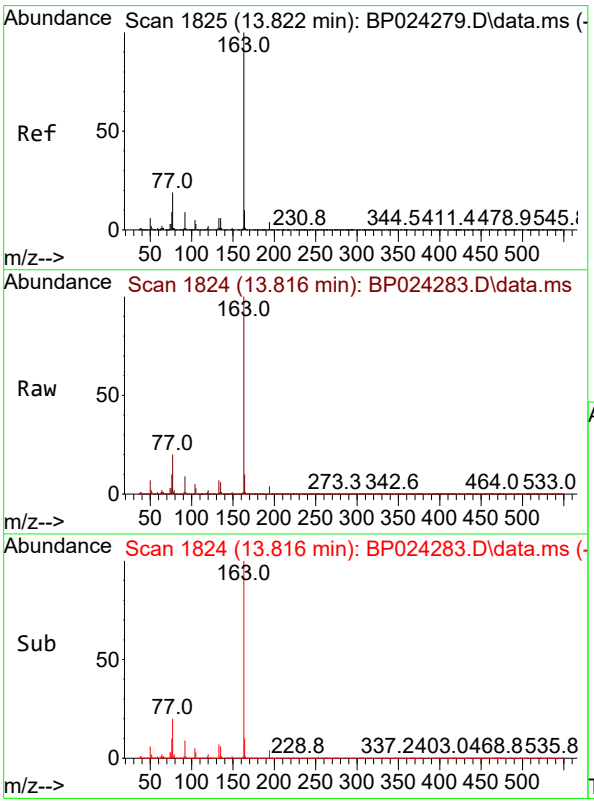
#49
Acenaphthylene
Concen: 41.783 ng
RT: 14.081 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:152 Resp: 2168474

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9
153	12.9	10.6	15.8

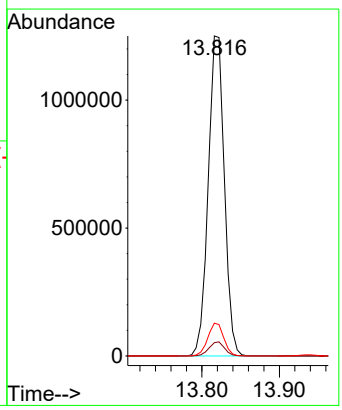


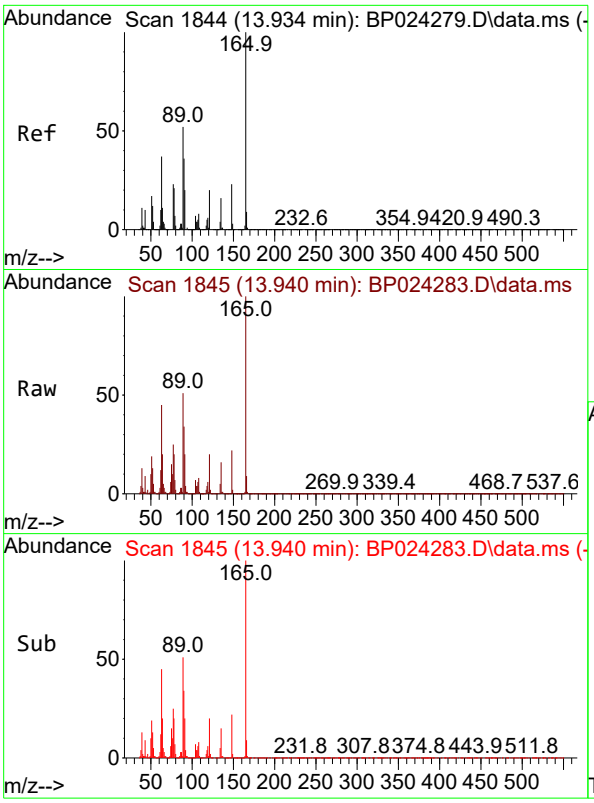


#50
Dimethylphthalate
Concen: 41.478 ng
RT: 13.816 min Scan# 1824
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:163 Resp: 1809923

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.5	5.3
164	10.2	8.0	12.0



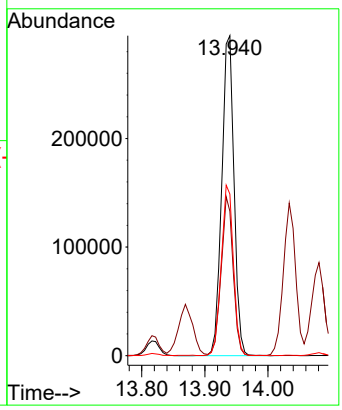


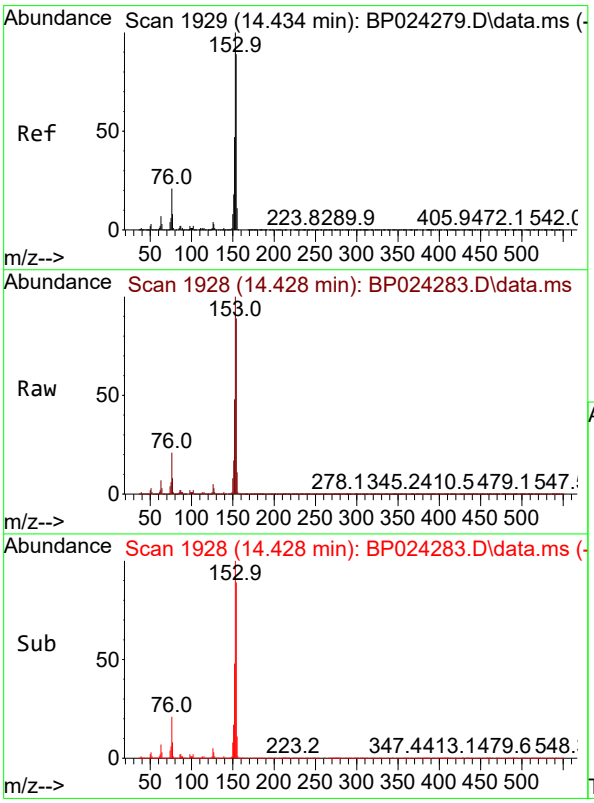
#51
2,6-Dinitrotoluene
Concen: 42.990 ng
RT: 13.940 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:165 Resp: 398345

Ion	Ratio	Lower	Upper
165	100		
63	45.1	38.0	57.0
89	50.5	41.7	62.5

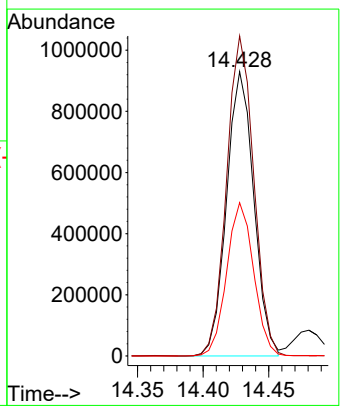


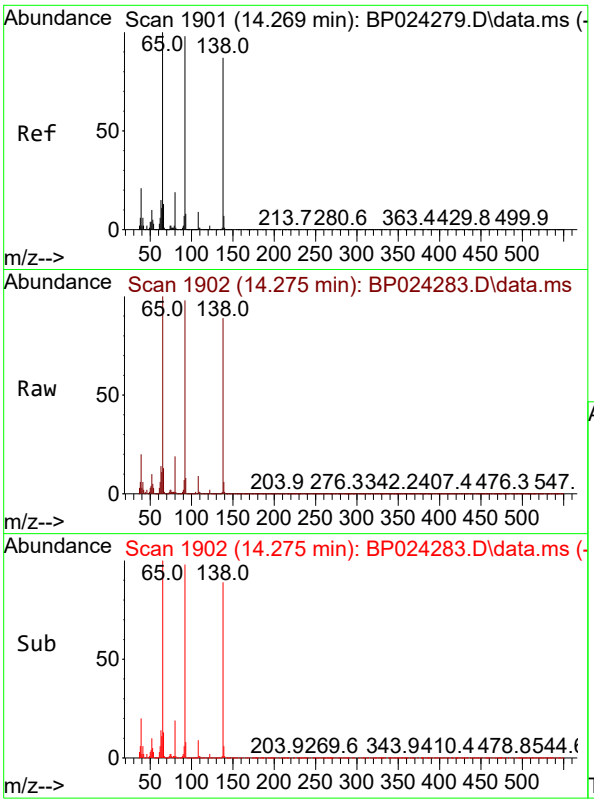


#52
Acenaphthene
Concen: 40.853 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:154 Resp: 1344151

Ion	Ratio	Lower	Upper
154	100		
153	112.6	89.8	134.6
152	53.9	42.6	63.8



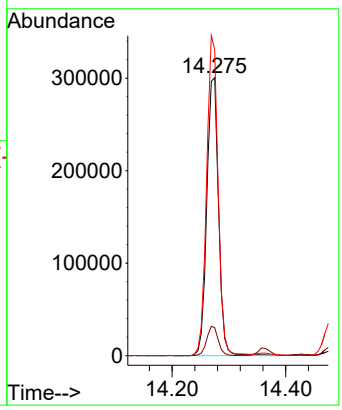


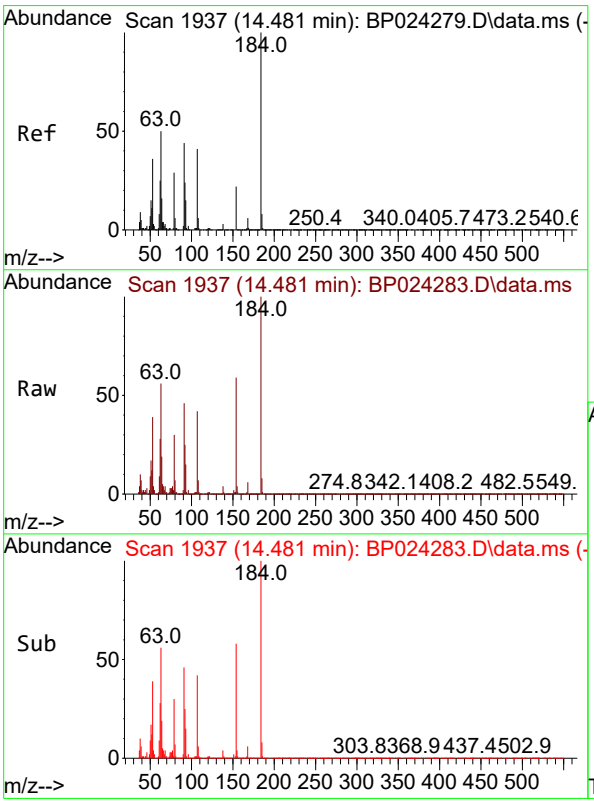
#53
3-Nitroaniline
Concen: 43.931 ng
RT: 14.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:138 Resp: 427828

Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.3	12.5
92	110.2	89.8	134.8

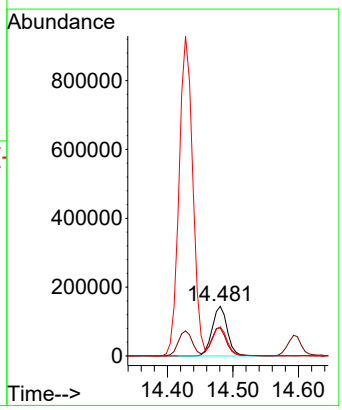


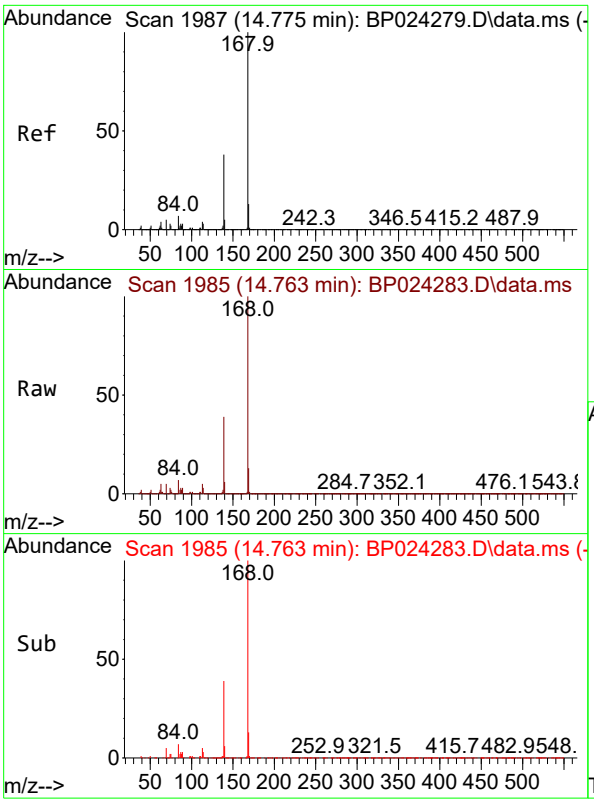


#54
2,4-Dinitrophenol
Concen: 42.485 ng
RT: 14.481 min Scan# 1937
Delta R.T. -0.011 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:184 Resp: 231882

Ion	Ratio	Lower	Upper
184	100		
63	56.3	42.6	64.0
154	58.5	47.2	70.8



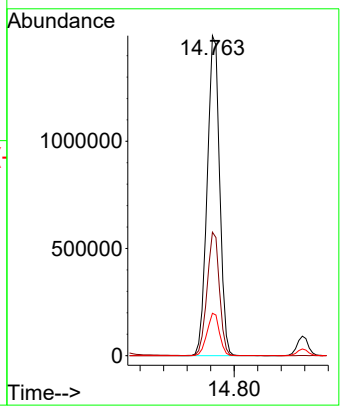


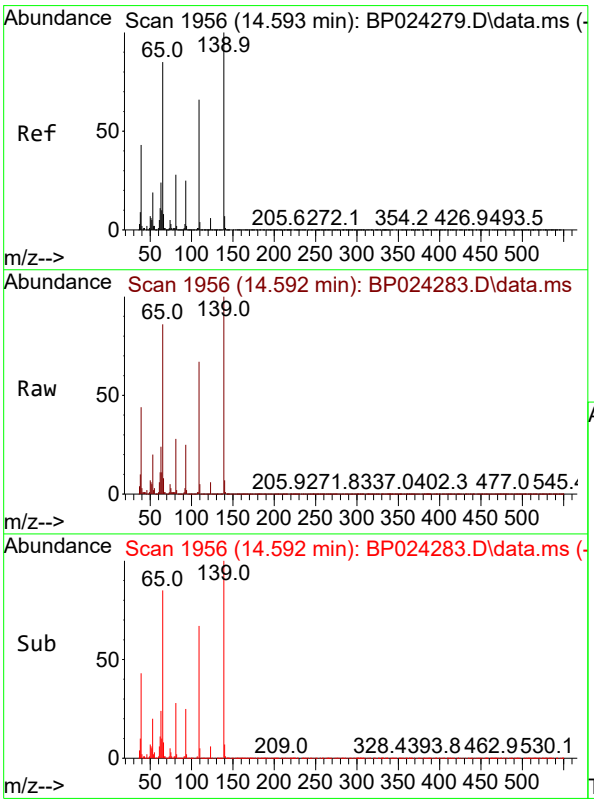
#55
Dibenzofuran
Concen: 40.679 ng
RT: 14.763 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:168 Resp: 2187786

Ion	Ratio	Lower	Upper
168	100		
139	38.6	30.3	45.5
169	13.3	10.6	16.0

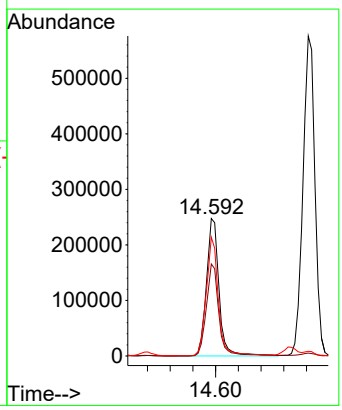


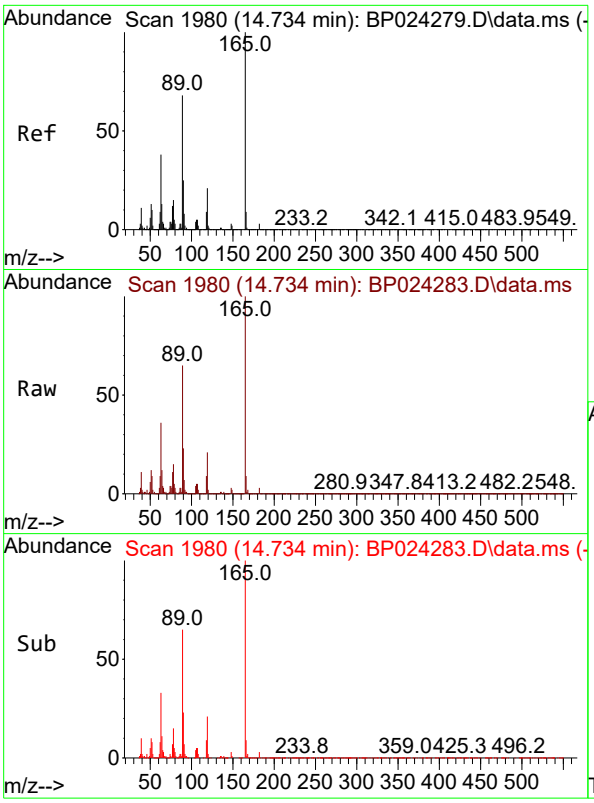


#56
4-Nitrophenol
Concen: 44.968 ng
RT: 14.592 min Scan# 1956
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:139 Resp: 378214

Ion	Ratio	Lower	Upper
139	100		
109	66.9	46.1	86.1
65	86.3	65.0	105.0



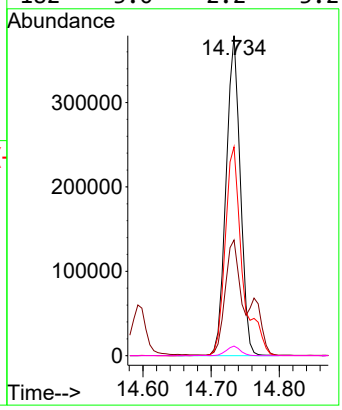


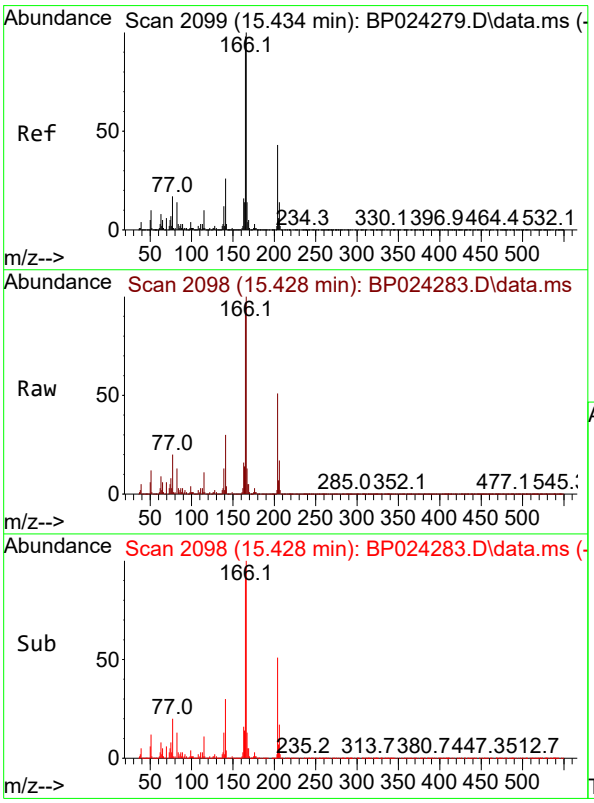
#57
2,4-Dinitrotoluene
Concen: 43.527 ng
RT: 14.734 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:165 Resp: 550175

Ion	Ratio	Lower	Upper
165	100		
63	36.1	30.4	45.6
89	65.2	54.6	82.0
182	3.0	2.2	3.2

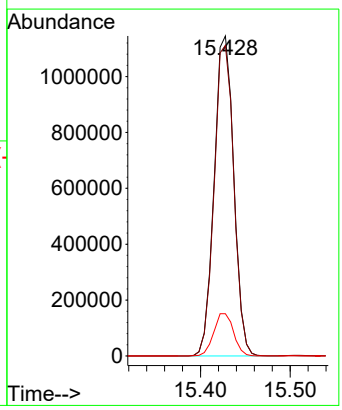


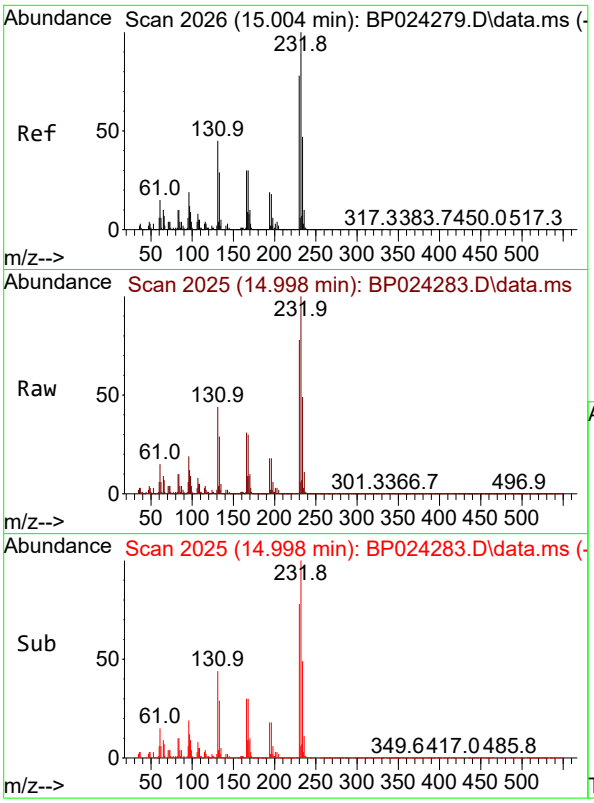


#58
Fluorene
Concen: 41.750 ng
RT: 15.428 min Scan# 2098
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:166 Resp: 1738215

Ion	Ratio	Lower	Upper
166	100		
165	97.0	78.1	117.1
167	13.2	10.9	16.3



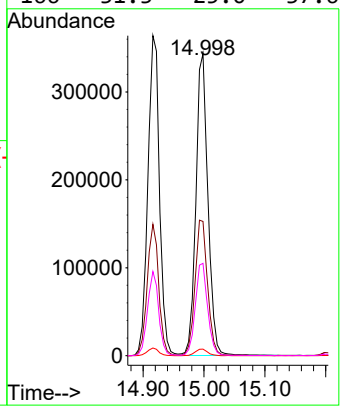


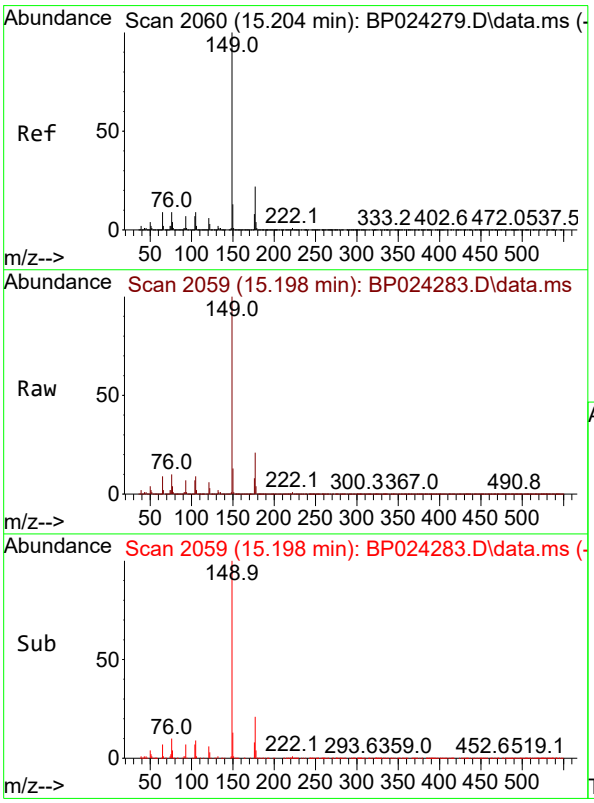
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.995 ng
RT: 14.998 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:232 Resp: 470547

Ion	Ratio	Lower	Upper
232	100		
131	46.8	36.8	55.2
130	2.3	1.9	2.9
166	31.3	25.0	37.6

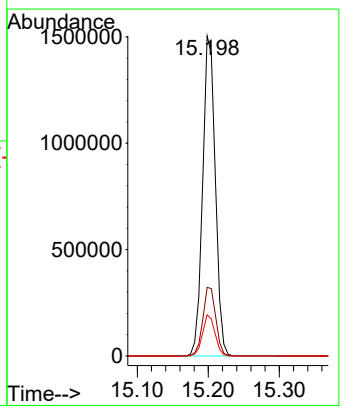


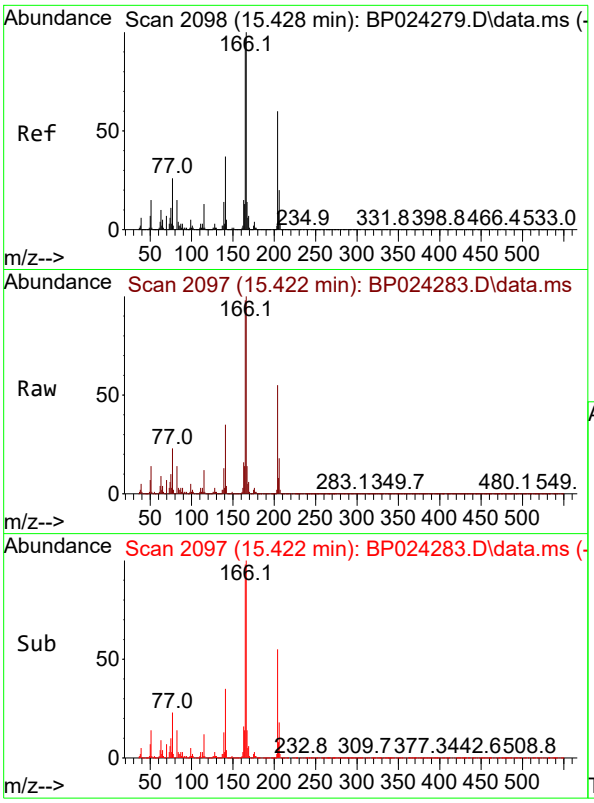


#60
Diethylphthalate
Concen: 41.570 ng
RT: 15.198 min Scan# 2059
Delta R.T. -0.023 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:149 Resp: 1869274

Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.4	26.2
150	12.8	10.1	15.1



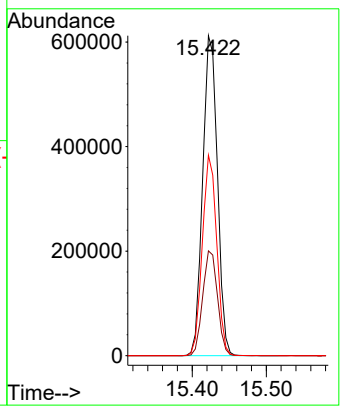


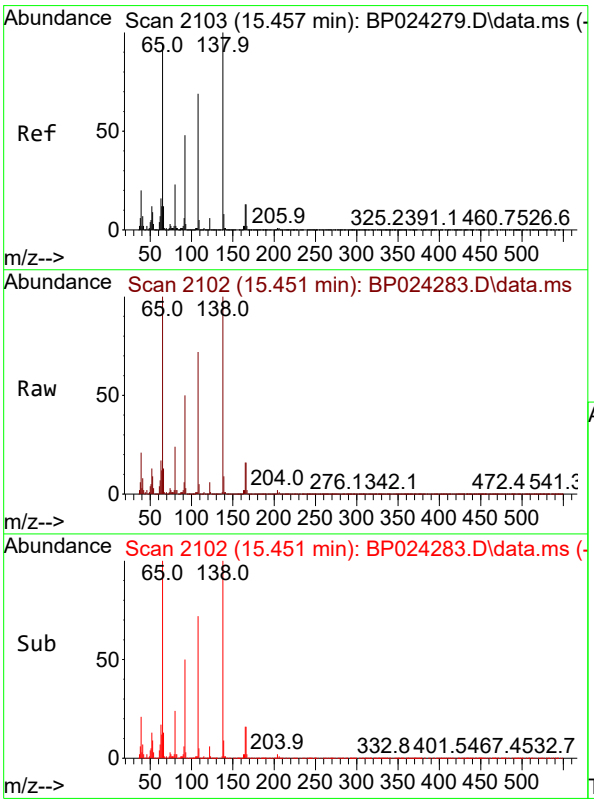
#61
4-Chlorophenyl-phenylether
Concen: 41.777 ng
RT: 15.422 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:204 Resp: 844629

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.5	39.7
141	62.6	49.4	74.0

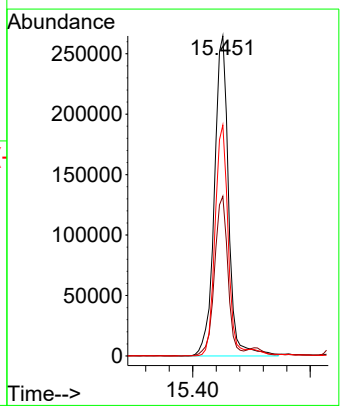


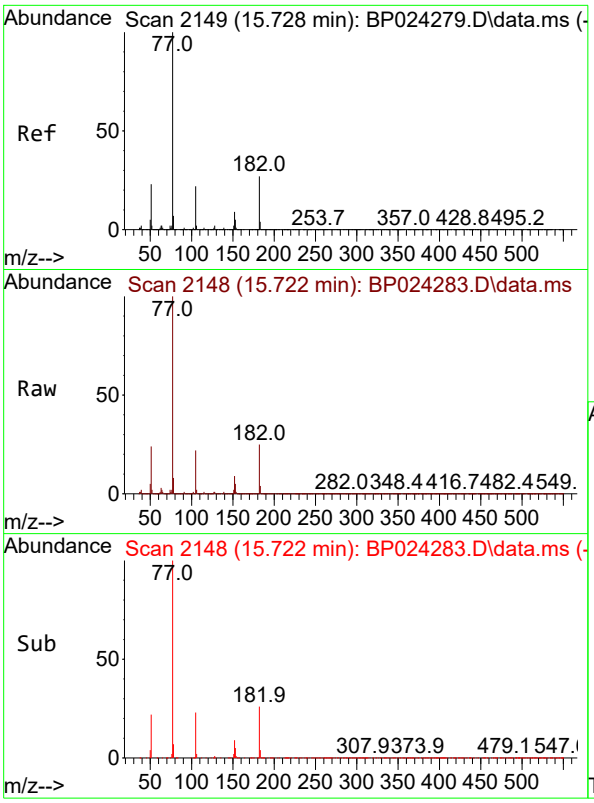


#62
4-Nitroaniline
Concen: 43.114 ng
RT: 15.451 min Scan# 2102
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:138 Resp: 444482

Ion	Ratio	Lower	Upper
138	100		
92	49.9	27.8	67.8
108	72.1	48.9	88.9



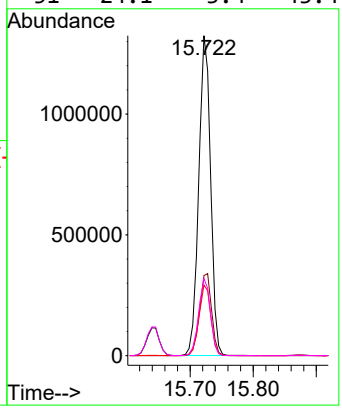


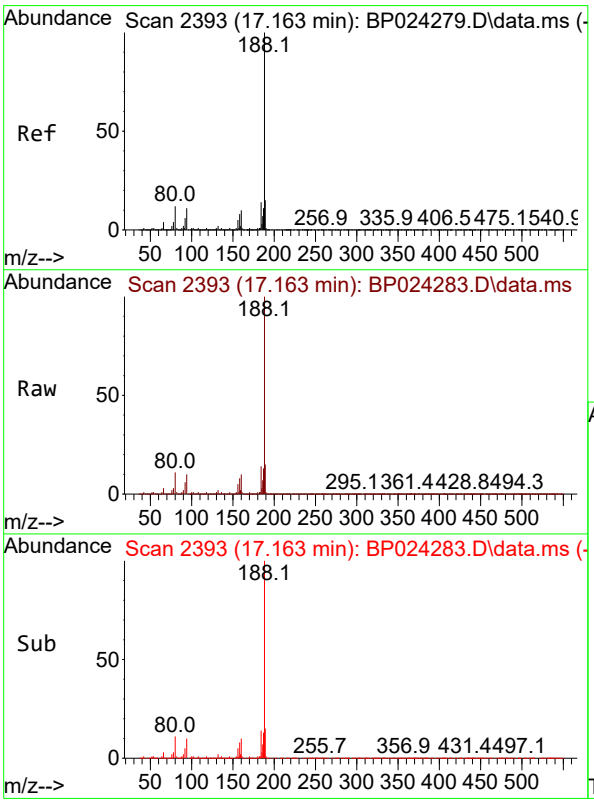
#63
Azobenzene
Concen: 41.686 ng
RT: 15.722 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 77 Resp: 1722900

Ion	Ratio	Lower	Upper
77	100		
182	25.1	7.3	47.3
105	22.1	2.3	42.3
51	24.1	3.4	43.4

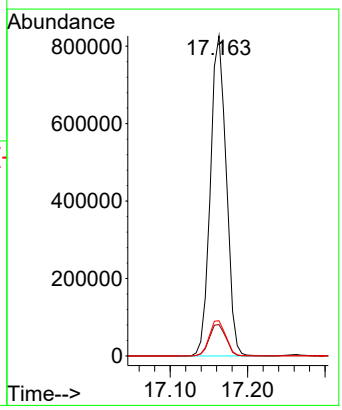


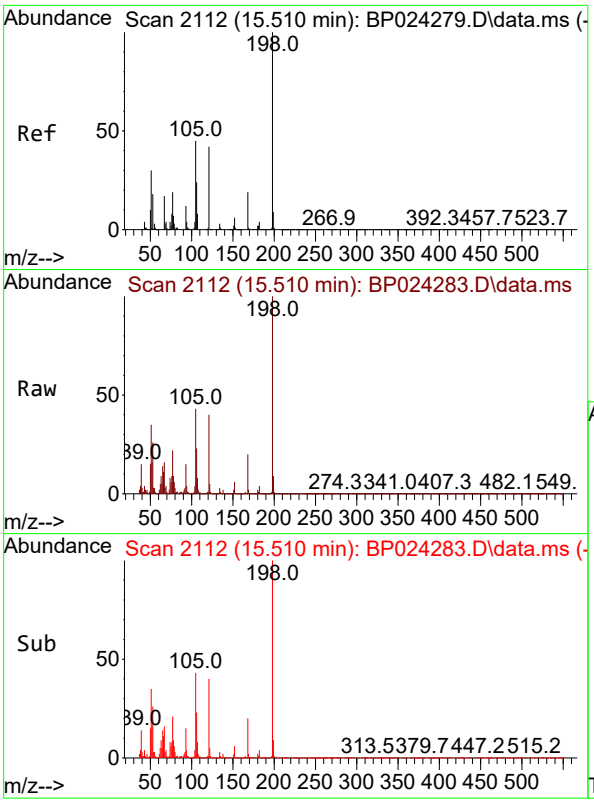


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2393
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:188 Resp: 1178916

Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.6	13.0
80	11.0	9.8	14.6



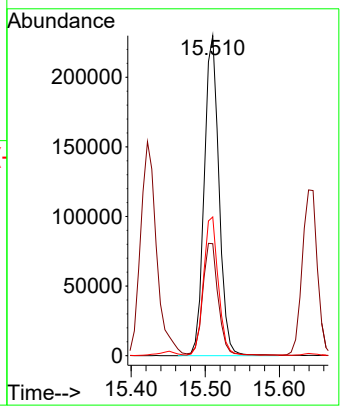


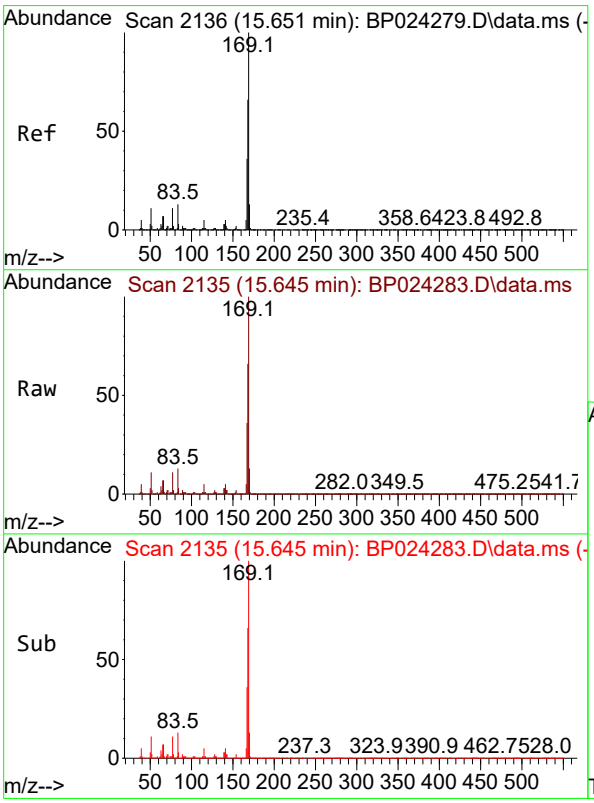
#65
4,6-Dinitro-2-methylphenol
Concen: 42.724 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:198 Resp: 317548

Ion	Ratio	Lower	Upper
198	100		
51	35.0	18.4	58.4
105	43.4	26.5	66.5

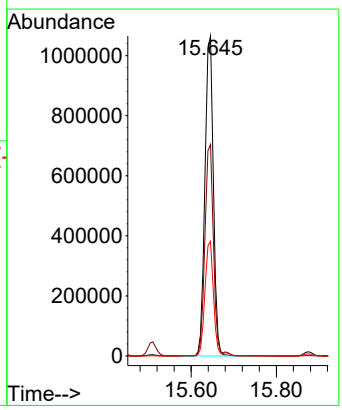


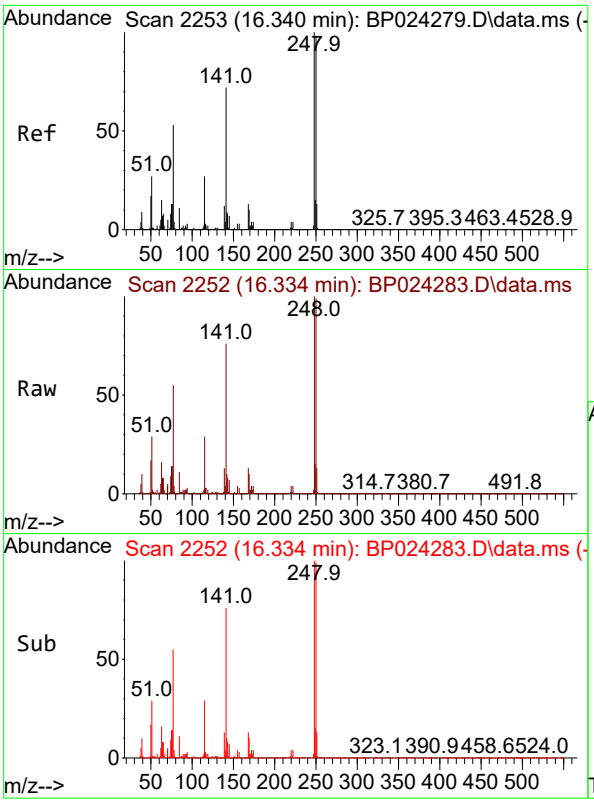


#66
n-Nitrosodiphenylamine
Concen: 41.500 ng
RT: 15.645 min Scan# 2135
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:169 Resp: 1460282

Ion	Ratio	Lower	Upper
169	100		
168	66.1	53.0	79.4
167	35.8	28.9	43.3



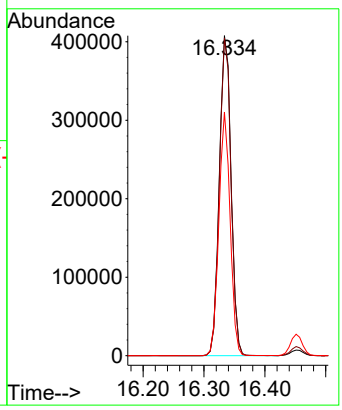


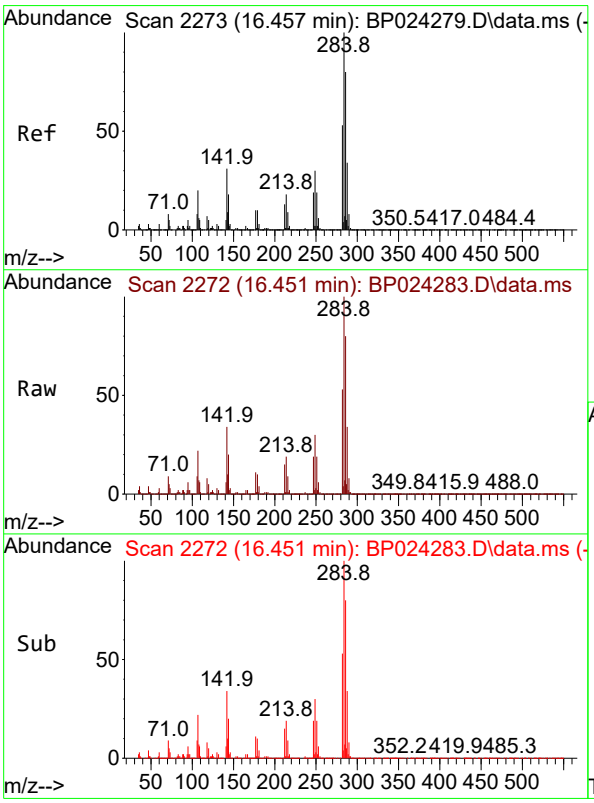
#67
4-Bromophenyl-phenylether
Concen: 42.314 ng
RT: 16.334 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:248 Resp: 545579

Ion	Ratio	Lower	Upper
248	100		
250	99.3	78.2	117.4
141	76.1	57.7	86.5

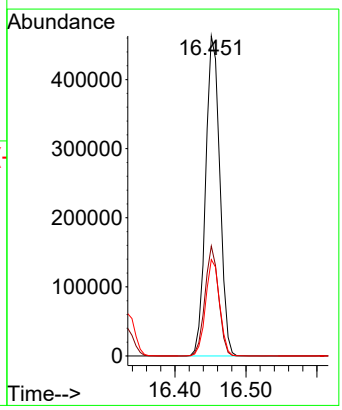


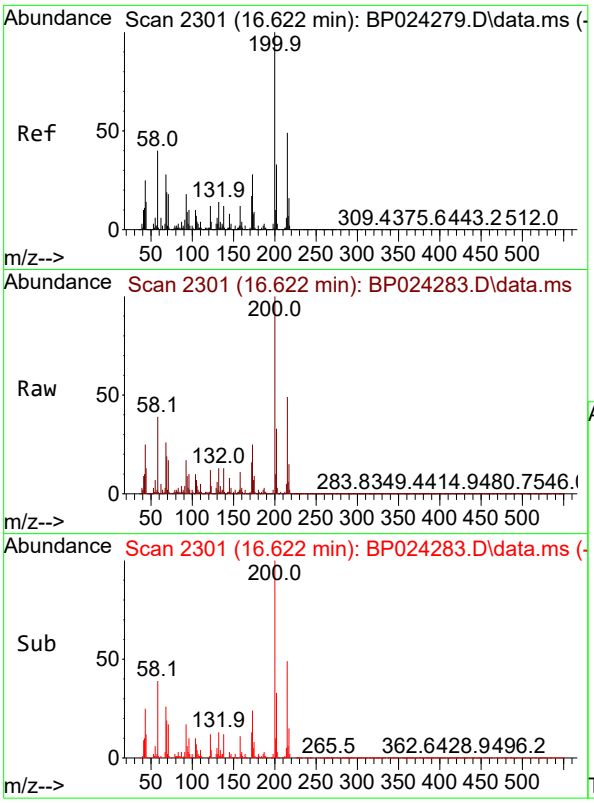


#68
Hexachlorobenzene
Concen: 41.909 ng
RT: 16.451 min Scan# 2272
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:284 Resp: 642095

Ion	Ratio	Lower	Upper
284	100		
142	34.3	24.6	37.0
249	30.1	23.8	35.6



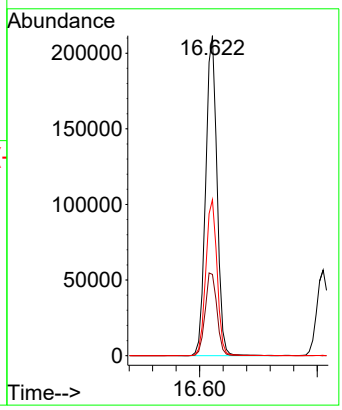


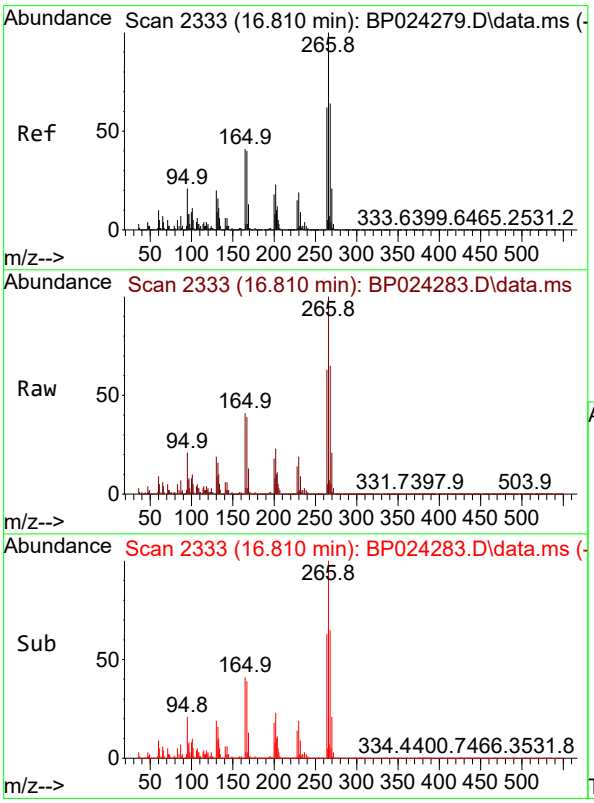
#69
Atrazine
Concen: 31.567 ng
RT: 16.622 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:200 Resp: 282908

Ion	Ratio	Lower	Upper
200	100		
173	25.4	7.5	47.5
215	48.7	28.8	68.8

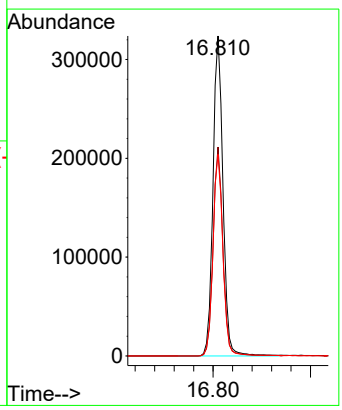


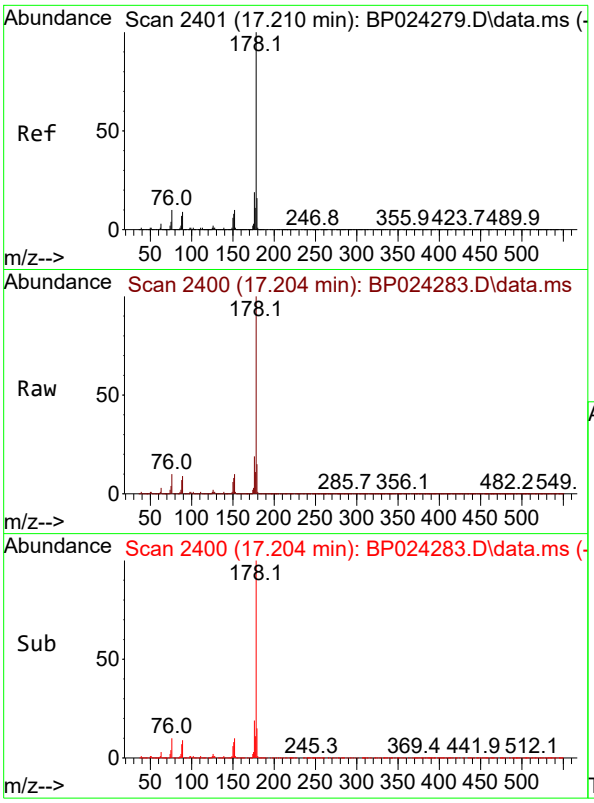


#70
Pentachlorophenol
Concen: 42.900 ng
RT: 16.810 min Scan# 2333
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:266 Resp: 458529

Ion	Ratio	Lower	Upper
266	100		
268	65.3	51.0	76.6
264	63.0	49.8	74.6



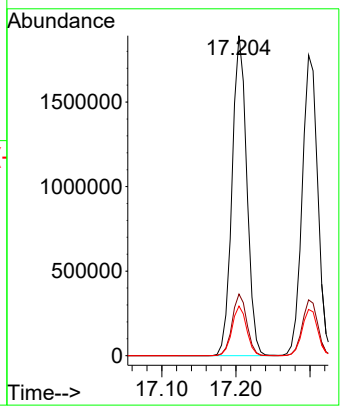


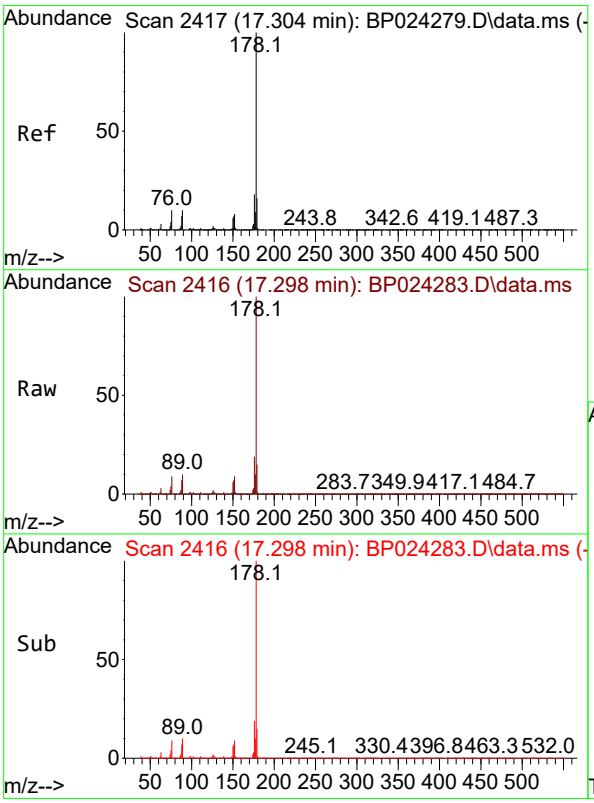
#71
Phenanthrene
Concen: 40.615 ng
RT: 17.204 min Scan# 24
Delta R.T. -0.023 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:178 Resp: 2612052

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.5	12.5	18.7

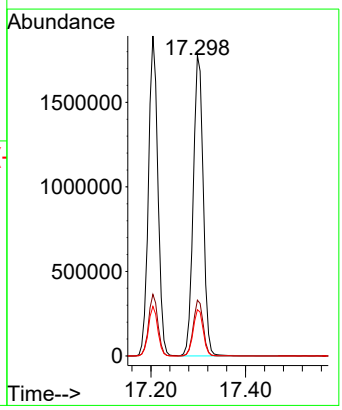


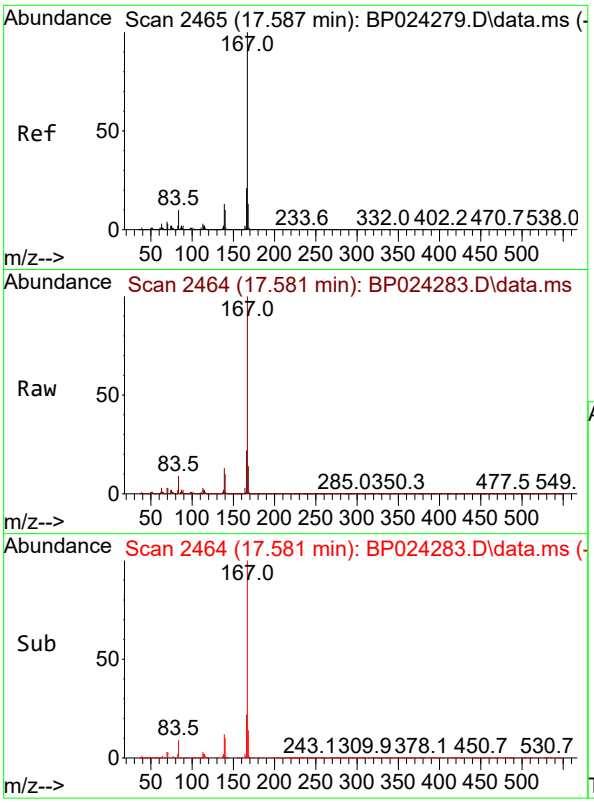


#72
Anthracene
Concen: 42.051 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:178 Resp: 2606508

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.4	12.4	18.6



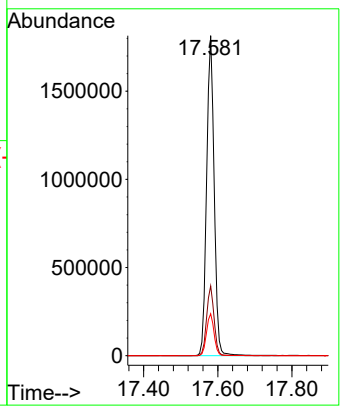


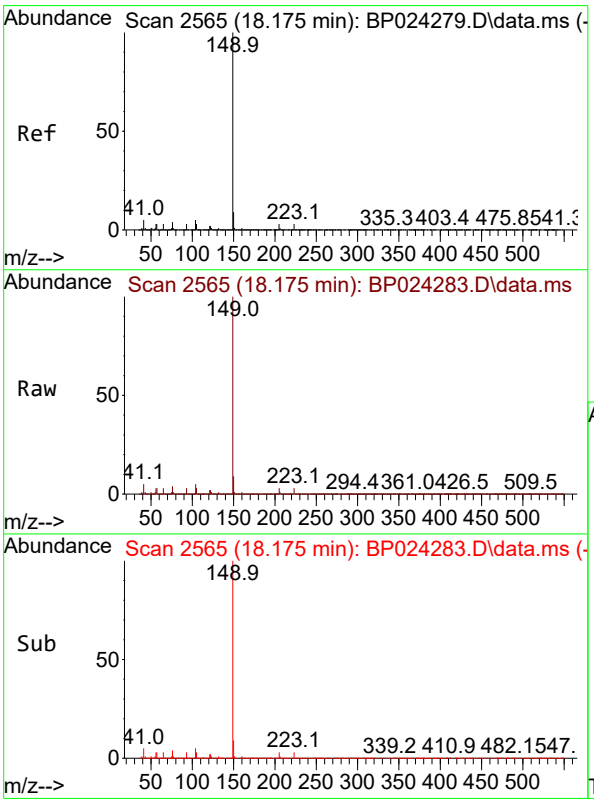
#73
Carbazole
Concen: 42.351 ng
RT: 17.581 min Scan# 24
Delta R.T. -0.023 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:167 Resp: 2564955

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.1	25.7
139	13.1	10.6	16.0

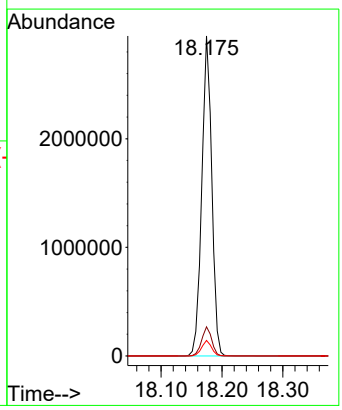


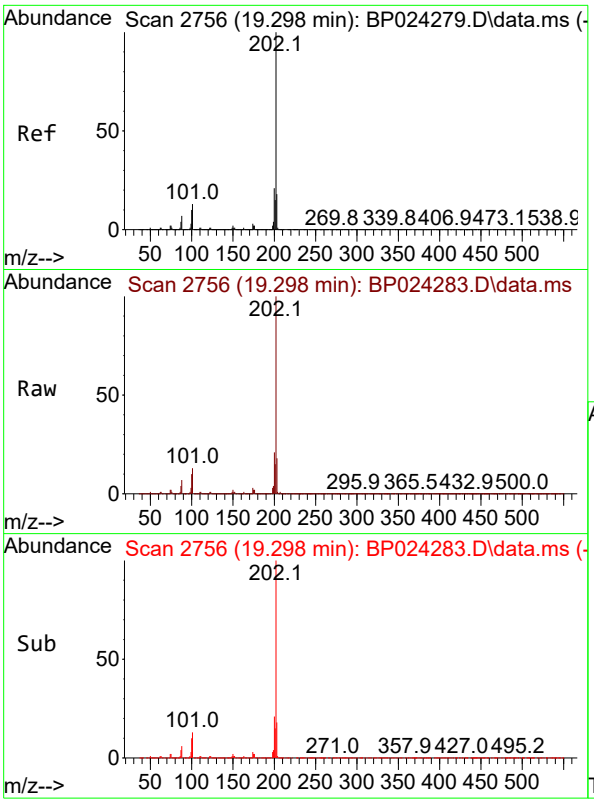


#74
Di-n-butylphthalate
Concen: 44.539 ng
RT: 18.175 min Scan# 2565
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:149 Resp: 3360635

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	4.9	3.9	5.9



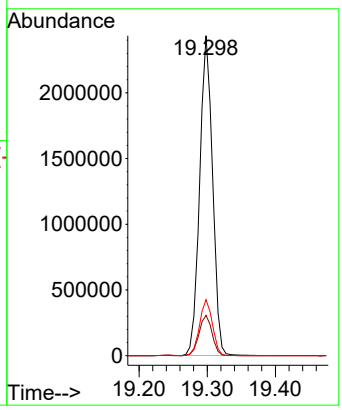


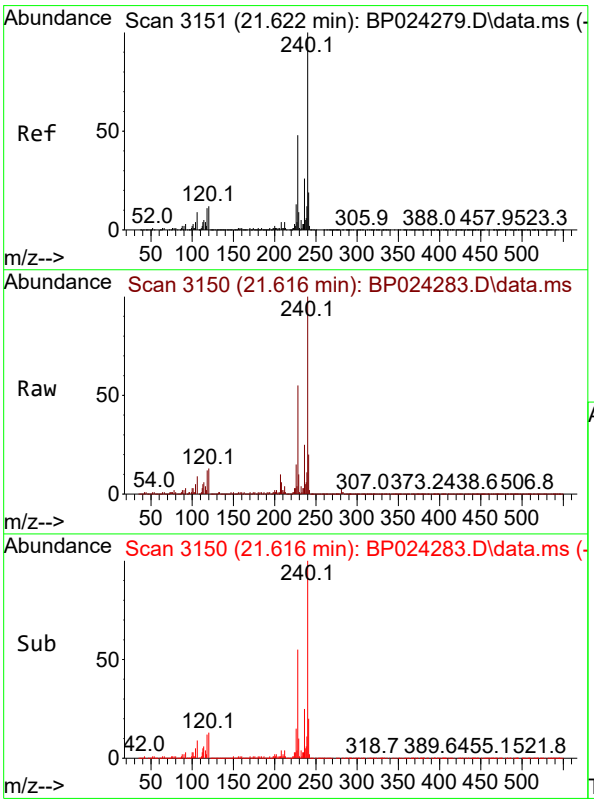
#75
Fluoranthene
Concen: 41.771 ng
RT: 19.298 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:202 Resp: 3195045

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.2
203	17.5	0.0	37.7

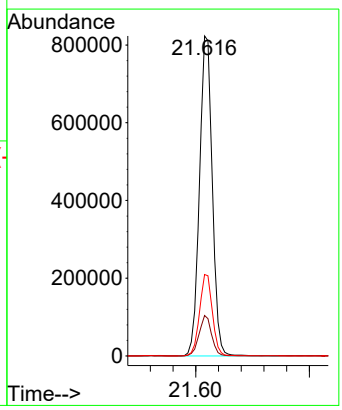


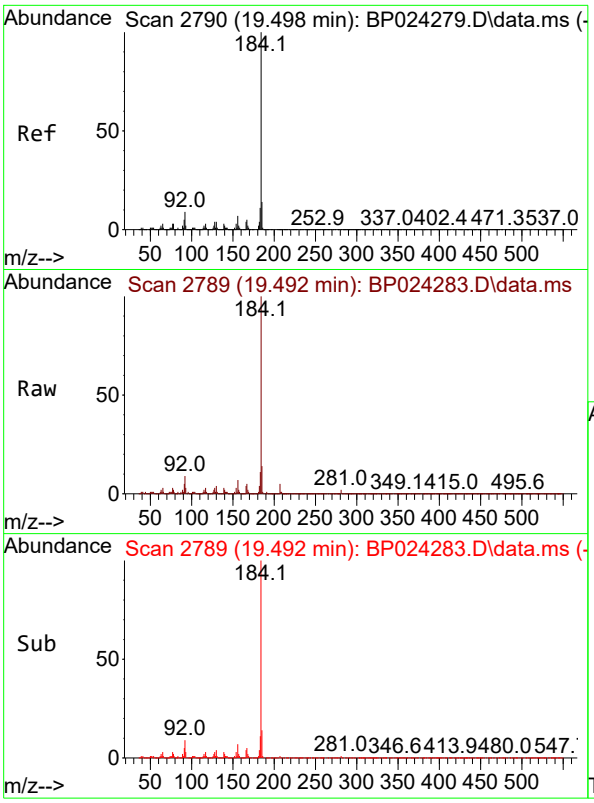


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.616 min Scan# 3150
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:240 Resp: 1288125

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.8	14.8
236	25.5	20.9	31.3



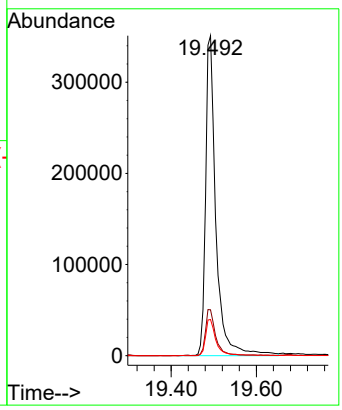


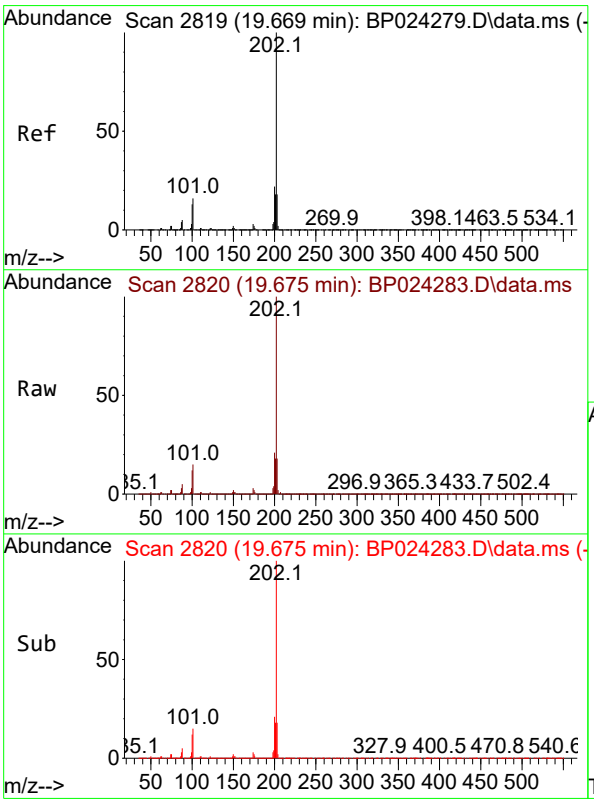
#77
Benzidine
Concen: 36.041 ng
RT: 19.492 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:184 Resp: 588487

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.6	17.4
183	11.3	9.2	13.8

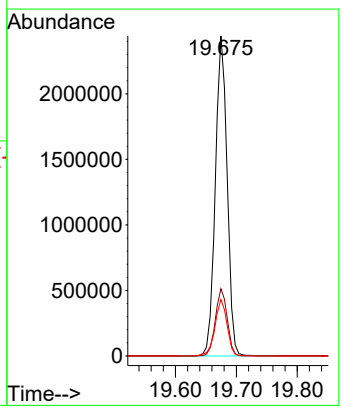


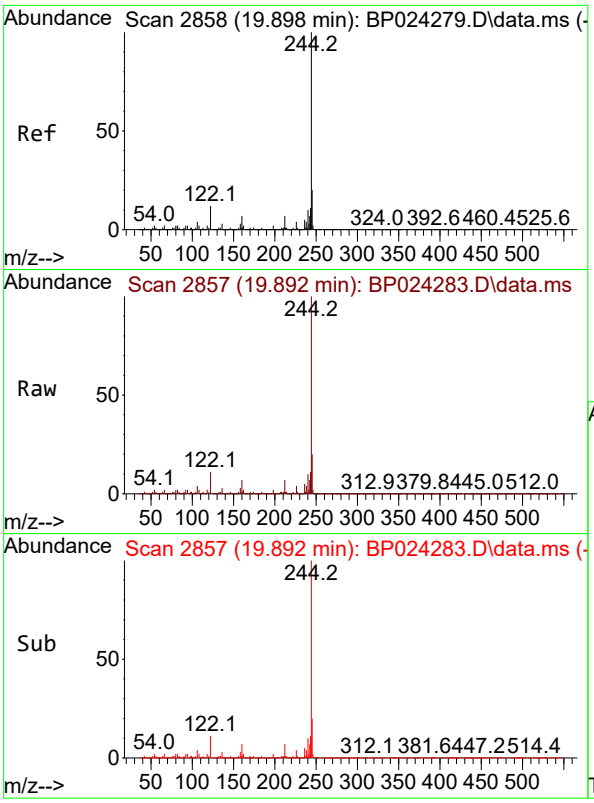


#78
Pyrene
Concen: 40.022 ng
RT: 19.675 min Scan# 2820
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:202 Resp: 3276290

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.2	25.8
203	17.6	14.4	21.6



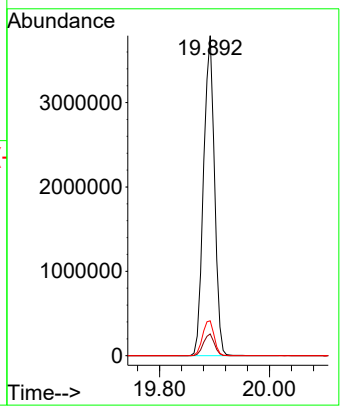


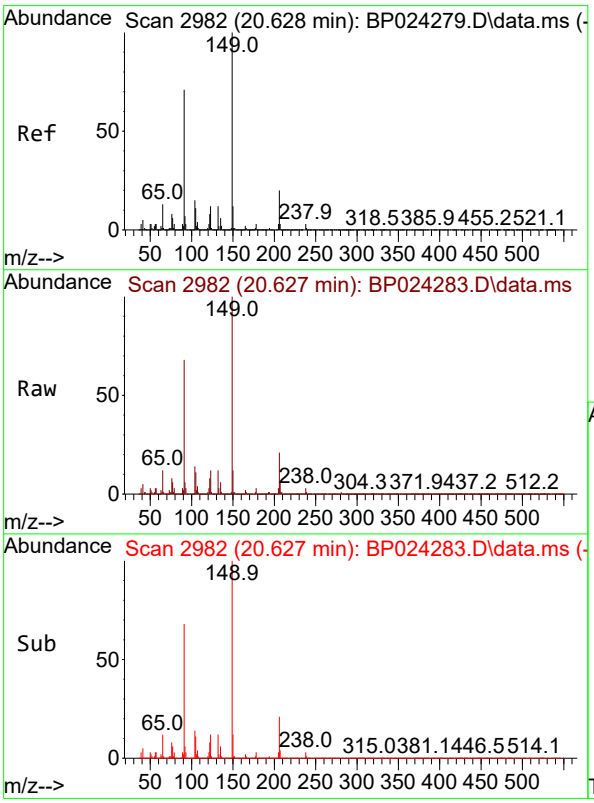
#79
Terphenyl-d14
Concen: 81.649 ng
RT: 19.892 min Scan# 2
Delta R.T. -0.029 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:244 Resp: 5217888

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.9	9.4	14.0

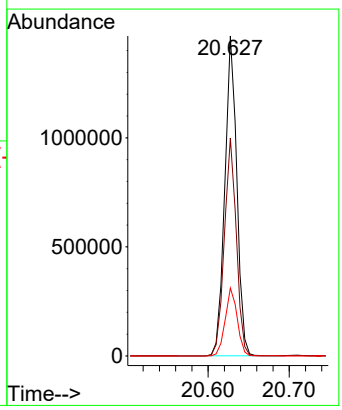


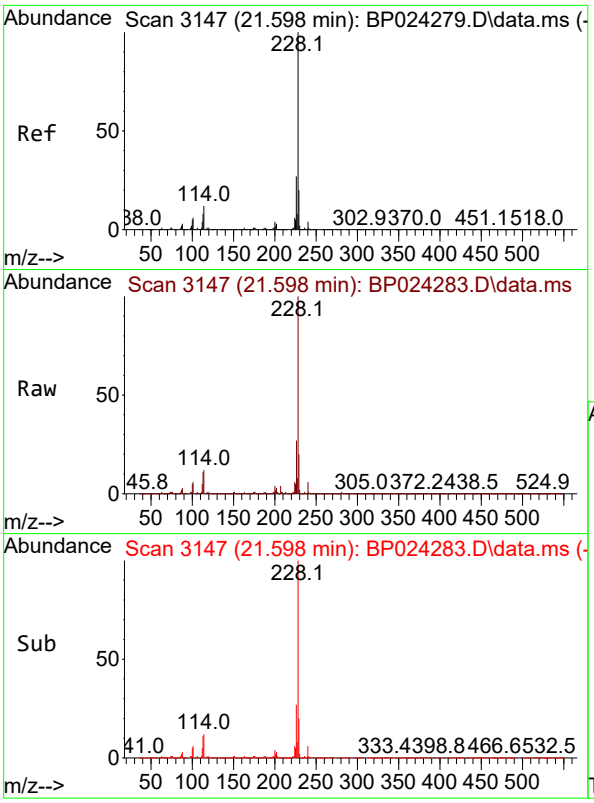


#80
Butylbenzylphthalate
Concen: 43.107 ng
RT: 20.627 min Scan# 2982
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:149 Resp: 1511473

Ion	Ratio	Lower	Upper
149	100		
91	68.1	56.4	84.6
206	21.2	16.3	24.5



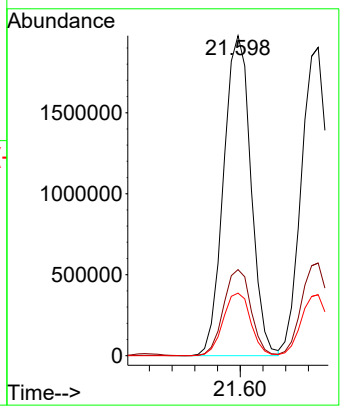


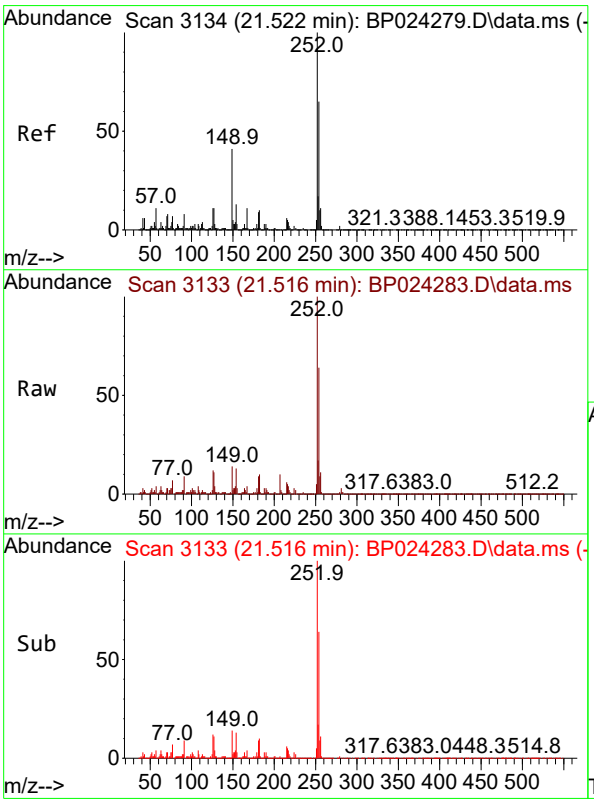
#81
Benzo(a)anthracene
Concen: 41.207 ng
RT: 21.598 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:228 Resp: 3299250

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	19.6	15.9	23.9

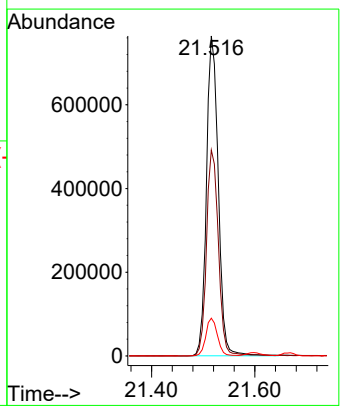


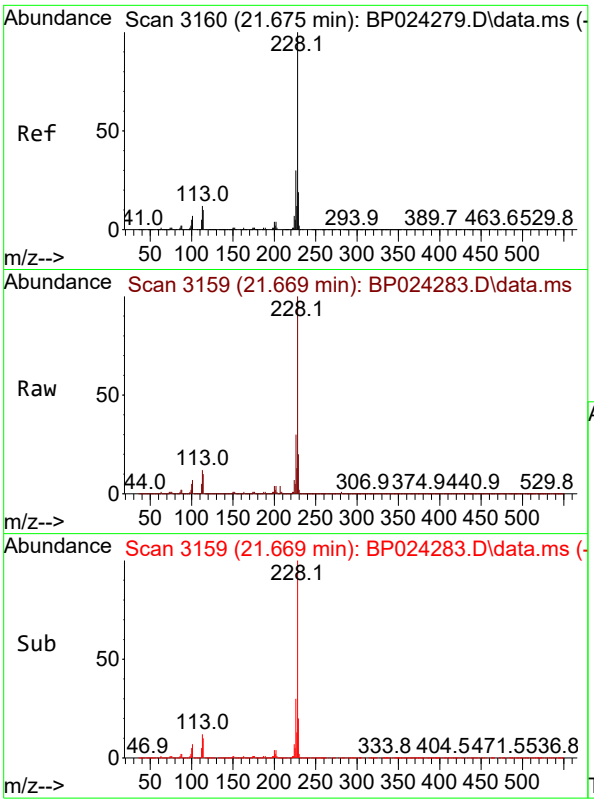


#82
3,3'-Dichlorobenzidine
Concen: 43.139 ng
RT: 21.516 min Scan# 3133
Delta R.T. -0.023 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:252 Resp: 1212290

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.7	77.5
126	11.8	8.8	13.2



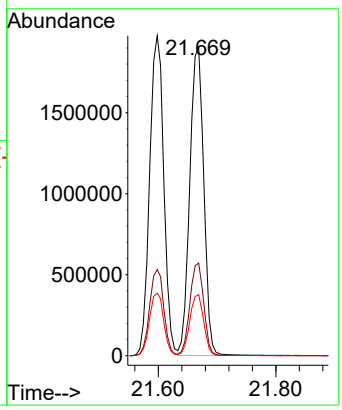


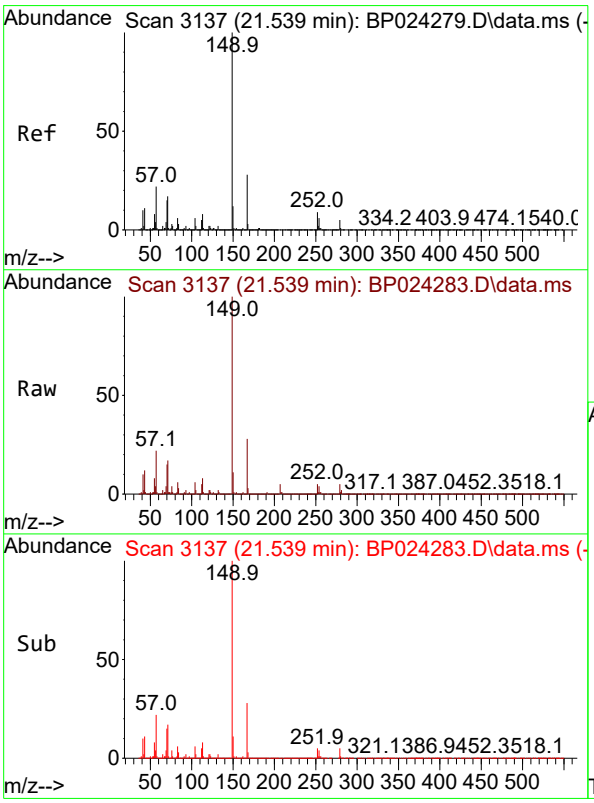
#83
Chrysene
Concen: 40.888 ng
RT: 21.669 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:228 Resp: 3136332

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.2	36.2
229	19.8	15.6	23.4

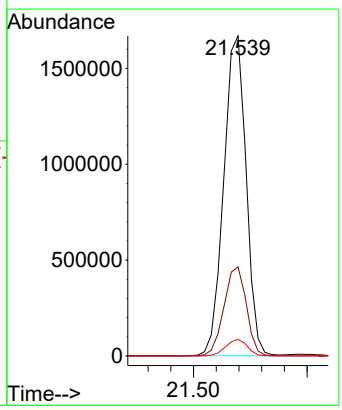


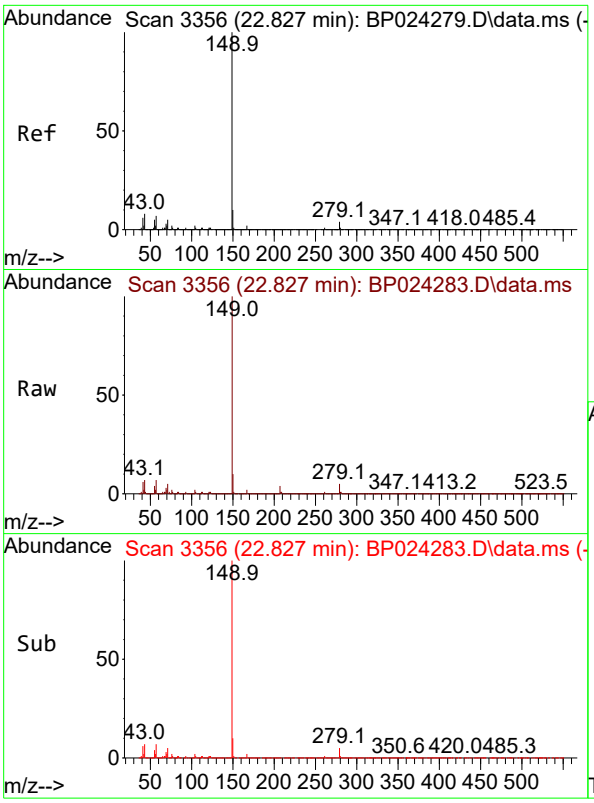


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.400 ng
RT: 21.539 min Scan# 3137
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:149 Resp: 2282222

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.4	33.6
279	5.2	4.0	6.0



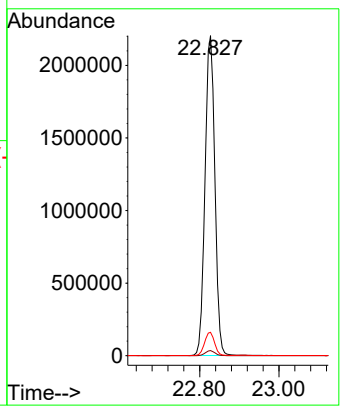


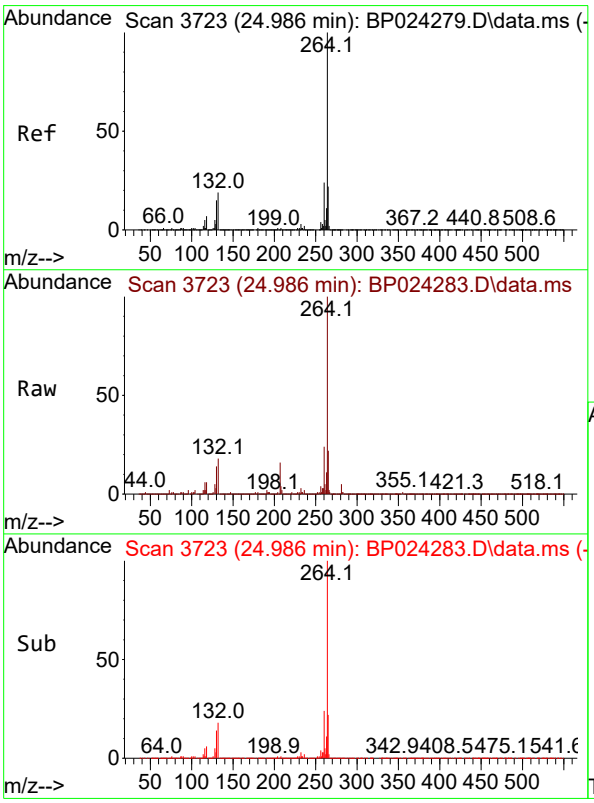
#85
Di-n-octyl phthalate
Concen: 45.513 ng
RT: 22.827 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:149 Resp: 3803266

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.4	6.0	9.0

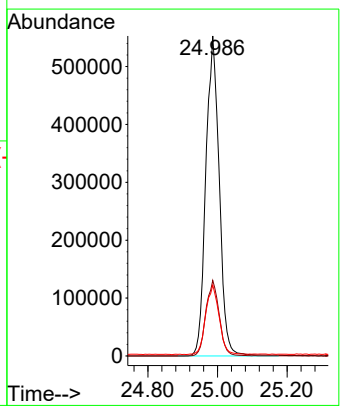


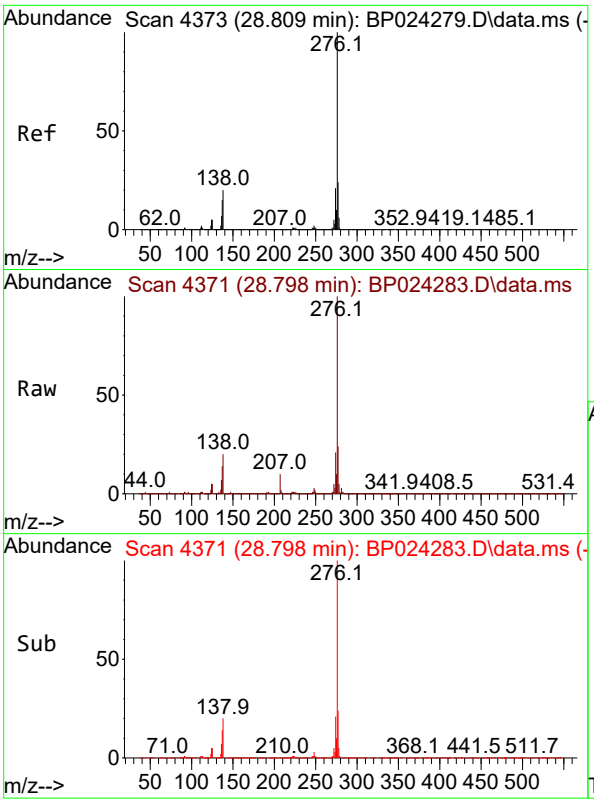


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.986 min Scan# 3723
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:264 Resp: 1476872

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	22.1	17.8	26.6



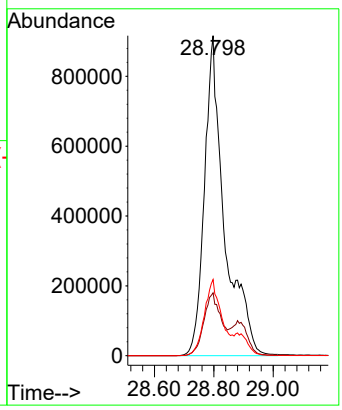


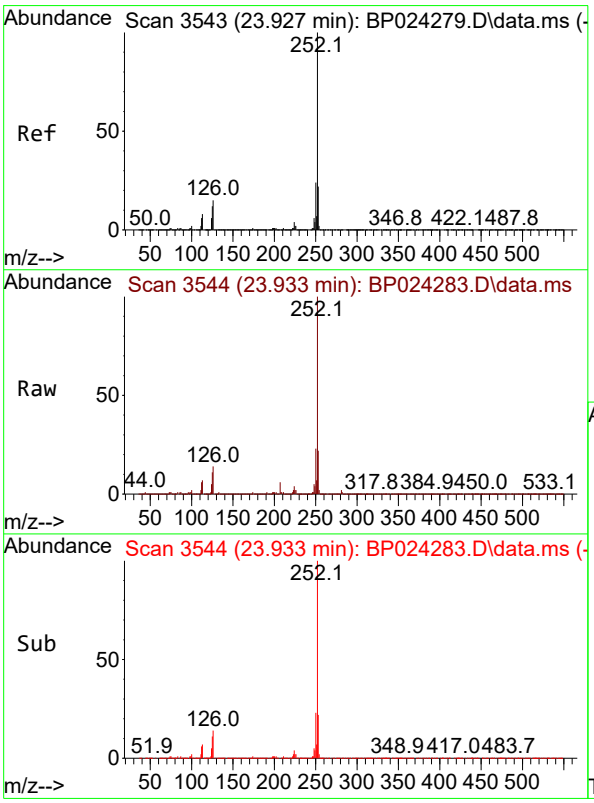
#87
Indeno(1,2,3-cd)pyrene
Concen: 42.071 ng m
RT: 28.798 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:276 Resp: 4313548

Ion	Ratio	Lower	Upper
276	100		
138	16.8	14.5	21.7
277	20.9	20.2	30.2

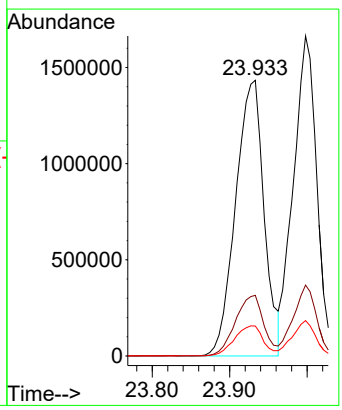


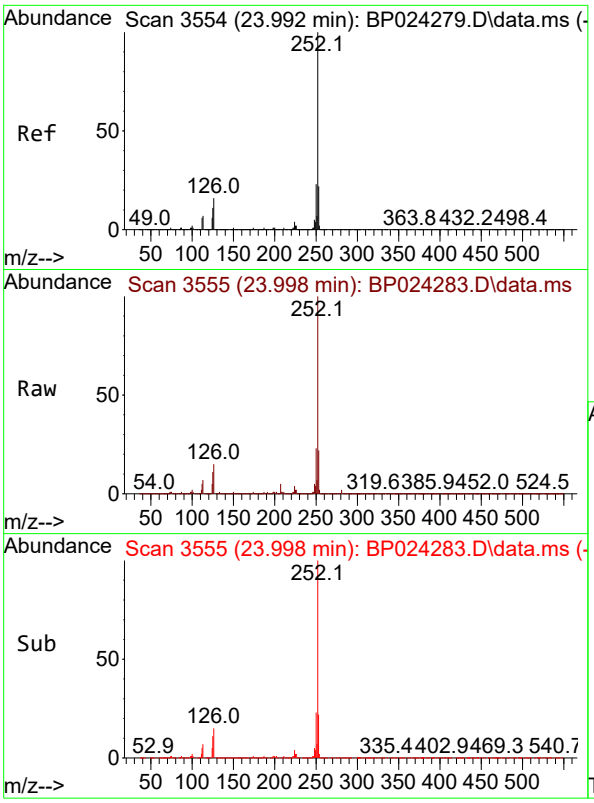


#88
Benzo(b)fluoranthene
Concen: 41.288 ng
RT: 23.933 min Scan# 3544
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:252 Resp: 3654984

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	10.8	9.4	14.0



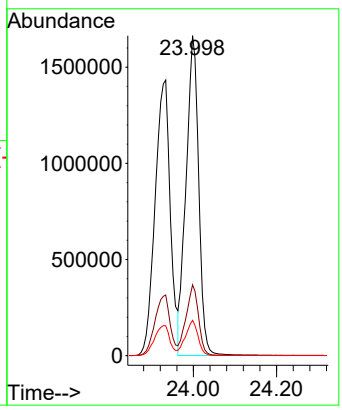


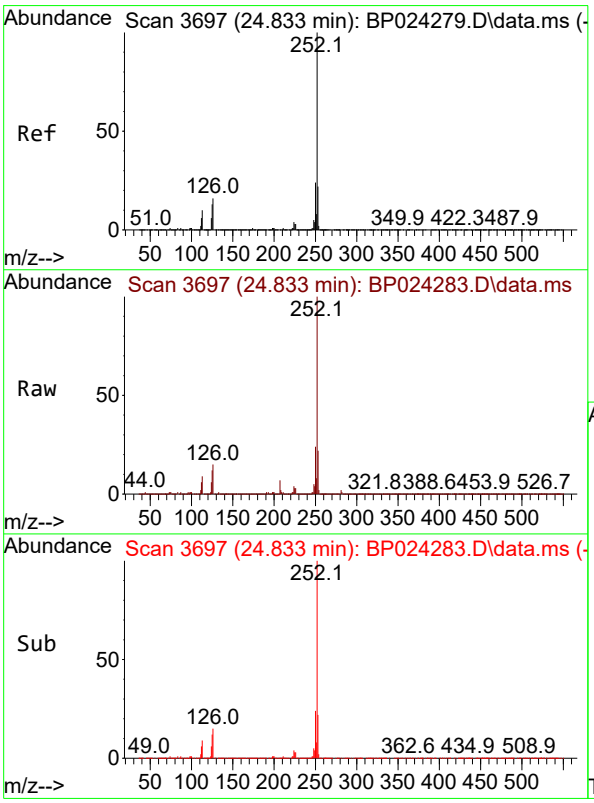
#89
Benzo(k)fluoranthene
Concen: 41.081 ng
RT: 23.998 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:252 Resp: 3512834

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.1	9.1	13.7

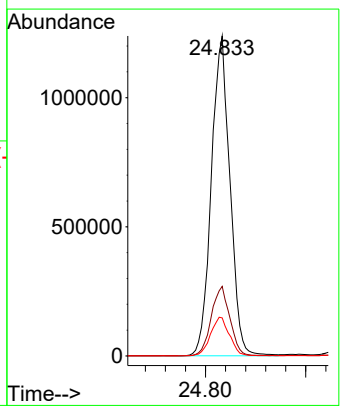


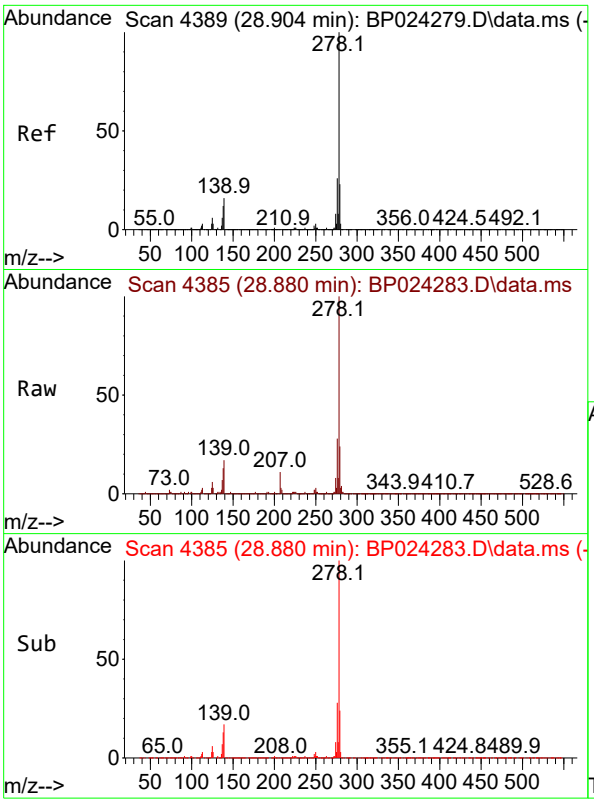


#90
Benzo(a)pyrene
Concen: 41.855 ng
RT: 24.833 min Scan# 3697
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:252 Resp: 3196130

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	11.9	10.1	15.1



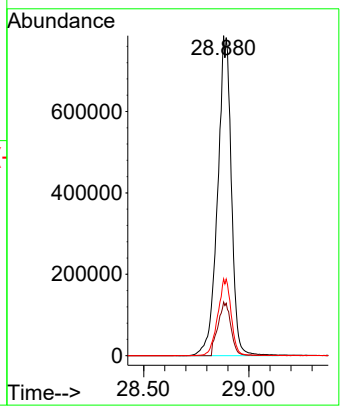


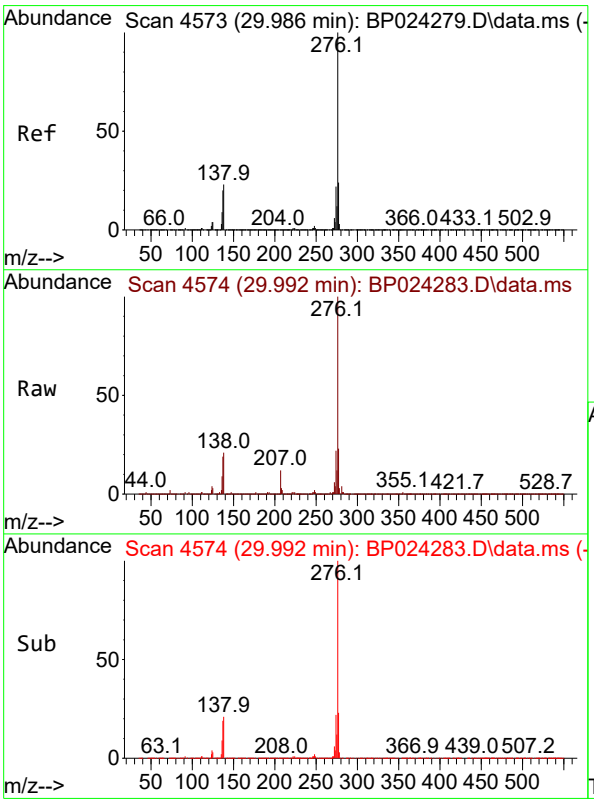
#91
Dibenzo(a,h)anthracene
Concen: 41.902 ng
RT: 28.880 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:278 Resp: 3566000

Ion	Ratio	Lower	Upper
278	100		
139	16.8	12.6	19.0
279	24.0	18.5	27.7

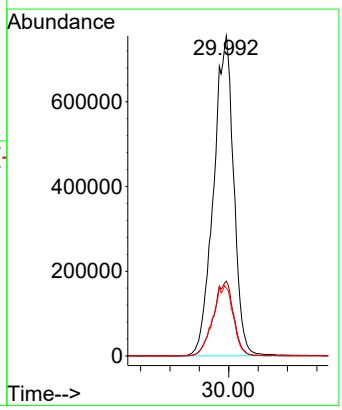




#92
Benzo(g,h,i)perylene
Concen: 41.455 ng
RT: 29.992 min Scan# 4574
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:276 Resp: 3590938

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.9	28.3
138	21.2	18.7	28.1



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	0.00
2		1,4-Dioxane	0.512	0.517	-1.0	95	0.00
3		Pyridine	1.351	1.349	0.1	91	0.00
4		n-Nitrosodimethylamine	0.448	0.451	-0.7	93	0.00
5	S	2-Fluorophenol	1.210	1.229	-1.6	92	0.00
6		Aniline	1.480	1.531	-3.4	91	0.00
7	S	Phenol-d6	1.656	1.678	-1.3	91	0.00
8		2-Chlorophenol	1.350	1.362	-0.9	92	0.00
9		Benzaldehyde	0.819	0.861	-5.1	97	0.00
10	C	Phenol	1.661	1.674	-0.8	90	0.00
11		bis(2-Chloroethyl)ether	1.339	1.335	0.3	90	0.00
12		1,3-Dichlorobenzene	1.454	1.465	-0.8	93	0.00
13	C	1,4-Dichlorobenzene	1.475	1.494	-1.3	94	0.00
14		1,2-Dichlorobenzene	1.424	1.421	0.2	93	0.00
15		Benzyl Alcohol	1.071	1.115	-4.1	91	0.00
16		2,2'-oxybis(1-Chloropropane	1.447	1.453	-0.4	90	0.00
17		2-Methylphenol	1.075	1.103	-2.6	91	0.00
18		Hexachloroethane	0.533	0.540	-1.3	94	0.00
19	P	n-Nitroso-di-n-propylamine	1.025	1.037	-1.2	90	0.00
20		3+4-Methylphenols	1.491	1.522	-2.1	90	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	91	0.00
22		Acetophenone	0.495	0.515	-4.0	91	0.00
23	S	Nitrobenzene-d5	0.351	0.366	-4.3	91	0.00
24		Nitrobenzene	0.347	0.360	-3.7	90	0.00
25		Isophorone	0.635	0.661	-4.1	90	0.00
26	C	2-Nitrophenol	0.170	0.184	-8.2	92	0.00
27		2,4-Dimethylphenol	0.213	0.222	-4.2	90	0.00
28		bis(2-Chloroethoxy)methane	0.429	0.444	-3.5	90	0.00
29	C	2,4-Dichlorophenol	0.291	0.309	-6.2	91	0.00
30		1,2,4-Trichlorobenzene	0.311	0.324	-4.2	92	0.00
31		Naphthalene	1.054	1.090	-3.4	92	0.00
32		Benzoic acid	0.248	0.254	-2.4	96	-0.04
33		4-Chloroaniline	0.371	0.398	-7.3	92	0.00
34	C	Hexachlorobutadiene	0.183	0.192	-4.9	93	0.00
35		Caprolactam	0.107	0.113	-5.6	92	-0.02
36	C	4-Chloro-3-methylphenol	0.339	0.353	-4.1	90	0.00
37		2-Methylnaphthalene	0.731	0.756	-3.4	92	0.00
38		1-Methylnaphthalene	0.715	0.736	-2.9	92	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	91	0.00
40		1,2,4,5-Tetrachlorobenzene	0.550	0.581	-5.6	92	0.00
41	P	Hexachlorocyclopentadiene	0.195	0.212	-8.7	89	-0.01
42	S	2,4,6-Tribromophenol	0.277	0.296	-6.9	93	-0.02
43	C	2,4,6-Trichlorophenol	0.366	0.396	-8.2	93	0.00
44		2,4,5-Trichlorophenol	0.405	0.434	-7.2	93	0.00
45	S	2-Fluorobiphenyl	1.306	1.383	-5.9	92	0.00
46		1,1'-Biphenyl	1.470	1.529	-4.0	91	-0.01
47		2-Chloronaphthalene	1.099	1.148	-4.5	92	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.308	0.327	-6.2	90	-0.01
49		Acenaphthylene	1.730	1.807	-4.5	91	0.00
50		Dimethylphthalate	1.454	1.508	-3.7	92	-0.02
51		2,6-Dinitrotoluene	0.309	0.332	-7.4	93	0.00
52	C	Acenaphthene	1.097	1.120	-2.1	91	-0.01
53		3-Nitroaniline	0.325	0.357	-9.8	92	0.00
54	P	2,4-Dinitrophenol	0.182	0.193	-6.0	95	-0.01
55		Dibenzofuran	1.793	1.823	-1.7	91	-0.02
56	P	4-Nitrophenol	0.280	0.315	-12.5	94	-0.01
57		2,4-Dinitrotoluene	0.421	0.458	-8.8	93	-0.01
58		Fluorene	1.388	1.448	-4.3	95	-0.01
59		2,3,4,6-Tetrachlorophenol	0.373	0.392	-5.1	92	0.00
60		Diethylphthalate	1.499	1.558	-3.9	92	-0.02
61		4-Chlorophenyl-phenylether	0.674	0.704	-4.5	94	-0.02
62		4-Nitroaniline	0.344	0.370	-7.6	92	-0.02
63		Azobenzene	1.378	1.436	-4.2	92	-0.02
64	I	Phenanthrene-d10	1.000	1.000	0.0	92	-0.02
65		4,6-Dinitro-2-methylphenol	0.126	0.135	-7.1	95	-0.02
66	c	n-Nitrosodiphenylamine	0.597	0.619	-3.7	91	-0.01
67		4-Bromophenyl-phenylether	0.219	0.231	-5.5	93	-0.01
68		Hexachlorobenzene	0.260	0.272	-4.6	93	-0.02
69		Atrazine	0.152	0.120	21.1	92	0.00
70	C	Pentachlorophenol	0.181	0.194	-7.2	92	-0.02
71		Phenanthrene	1.091	1.108	-1.6	91	-0.02
72		Anthracene	1.052	1.105	-5.0	92	-0.02
73		Carbazole	1.027	1.088	-5.9	93	-0.02
74		Di-n-butylphthalate	1.280	1.425	-11.3	94	-0.02
75	C	Fluoranthene	1.298	1.355	-4.4	93	-0.02
76	I	Chrysene-d12	1.000	1.000	0.0	95	0.00
77		Benzidine	0.254	0.228	10.2	50#	-0.02
78		Pyrene	1.271	1.272	-0.1	93	-0.01
79	S	Terphenyl-d14	0.992	1.013	-2.1	94	-0.03
80		Butylbenzylphthalate	0.544	0.587	-7.9	94	-0.02
81		Benzo(a)anthracene	1.243	1.281	-3.1	95	0.00
82		3,3'-Dichlorobenzidine	0.436	0.471	-8.0	92	-0.02
83		Chrysene	1.191	1.217	-2.2	96	-0.01
84		Bis(2-ethylhexyl)phthalate	0.798	0.886	-11.0	95	0.00
85	c	Di-n-octyl phthalate	1.297	1.476	-13.8	96	0.00
86	I	Perylene-d12	1.000	1.000	0.0	99	0.00
87		Indeno(1,2,3-cd)pyrene	1.388	1.460	-5.2	101	-0.02
88		Benzo(b)fluoranthene	1.199	1.237	-3.2	98	0.00
89		Benzo(k)fluoranthene	1.158	1.189	-2.7	98	0.00
90	C	Benzo(a)pyrene	1.034	1.082	-4.6	99	0.00
91		Dibenzo(a,h)anthracene	1.152	1.207	-4.8	100	0.00
92		Benzo(g,h,i)perylene	1.173	1.216	-3.7	99	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	94	0.00
2		1,4-Dioxane	40.000	40.412	-1.0	95	0.00
3		Pyridine	40.000	39.955	0.1	91	0.00
4		n-Nitrosodimethylamine	40.000	40.205	-0.5	93	0.00
5	S	2-Fluorophenol	80.000	81.302	-1.6	92	0.00
6		Aniline	40.000	41.370	-3.4	91	0.00
7	S	Phenol-d6	80.000	81.063	-1.3	91	0.00
8		2-Chlorophenol	40.000	40.334	-0.8	92	0.00
9		Benzaldehyde	40.000	42.024	-5.1	97	0.00
10	C	Phenol	40.000	40.306	-0.8	90	0.00
11		bis(2-Chloroethyl)ether	40.000	39.902	0.2	90	0.00
12		1,3-Dichlorobenzene	40.000	40.298	-0.7	93	0.00
13	C	1,4-Dichlorobenzene	40.000	40.516	-1.3	94	0.00
14		1,2-Dichlorobenzene	40.000	39.898	0.3	93	0.00
15		Benzyl Alcohol	40.000	41.621	-4.1	91	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.173	-0.4	90	0.00
17		2-Methylphenol	40.000	41.046	-2.6	91	0.00
18		Hexachloroethane	40.000	40.522	-1.3	94	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.471	-1.2	90	0.00
20		3+4-Methylphenols	40.000	40.810	-2.0	90	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	91	0.00
22		Acetophenone	40.000	41.652	-4.1	91	0.00
23	S	Nitrobenzene-d5	80.000	83.531	-4.4	91	0.00
24		Nitrobenzene	40.000	41.537	-3.8	90	0.00
25		Isophorone	40.000	41.648	-4.1	90	0.00
26	C	2-Nitrophenol	40.000	43.376	-8.4	92	0.00
27		2,4-Dimethylphenol	40.000	41.689	-4.2	90	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.402	-3.5	90	0.00
29	C	2,4-Dichlorophenol	40.000	42.461	-6.2	91	0.00
30		1,2,4-Trichlorobenzene	40.000	41.612	-4.0	92	0.00
31		Naphthalene	40.000	41.386	-3.5	92	0.00
32		Benzoic acid	40.000	40.959	-2.4	96	-0.04
33		4-Chloroaniline	40.000	42.937	-7.3	92	0.00
34	C	Hexachlorobutadiene	40.000	42.007	-5.0	93	0.00
35		Caprolactam	40.000	42.152	-5.4	92	-0.02
36	C	4-Chloro-3-methylphenol	40.000	41.737	-4.3	90	0.00
37		2-Methylnaphthalene	40.000	41.403	-3.5	92	0.00
38		1-Methylnaphthalene	40.000	41.210	-3.0	92	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	91	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	42.275	-5.7	92	0.00
41	P	Hexachlorocyclopentadiene	40.000	43.639	-9.1	89	-0.01
42	S	2,4,6-Tribromophenol	80.000	85.488	-6.9	93	-0.02
43	C	2,4,6-Trichlorophenol	40.000	43.329	-8.3	93	0.00
44		2,4,5-Trichlorophenol	40.000	42.828	-7.1	93	0.00
45	S	2-Fluorobiphenyl	80.000	84.715	-5.9	92	0.00
46		1,1'-Biphenyl	40.000	41.595	-4.0	91	-0.01
47		2-Chloronaphthalene	40.000	41.786	-4.5	92	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	42.475	-6.2	90	-0.01
49		Acenaphthylene	40.000	41.783	-4.5	91	0.00
50		Dimethylphthalate	40.000	41.478	-3.7	92	-0.02
51		2,6-Dinitrotoluene	40.000	42.990	-7.5	93	0.00
52	C	Acenaphthene	40.000	40.853	-2.1	91	-0.01
53		3-Nitroaniline	40.000	43.931	-9.8	92	0.00
54	P	2,4-Dinitrophenol	40.000	42.485	-6.2	95	-0.01
55		Dibenzofuran	40.000	40.679	-1.7	91	-0.02
56	P	4-Nitrophenol	40.000	44.968	-12.4	94	-0.01
57		2,4-Dinitrotoluene	40.000	43.527	-8.8	93	-0.01
58		Fluorene	40.000	41.750	-4.4	95	-0.01
59		2,3,4,6-Tetrachlorophenol	40.000	41.995	-5.0	92	0.00
60		Diethylphthalate	40.000	41.570	-3.9	92	-0.02
61		4-Chlorophenyl-phenylether	40.000	41.777	-4.4	94	-0.02
62		4-Nitroaniline	40.000	43.114	-7.8	92	-0.02
63		Azobenzene	40.000	41.686	-4.2	92	-0.02
64	I	Phenanthrene-d10	20.000	20.000	0.0	92	-0.02
65		4,6-Dinitro-2-methylphenol	40.000	42.724	-6.8	95	-0.02
66	c	n-Nitrosodiphenylamine	40.000	41.500	-3.8	91	-0.01
67		4-Bromophenyl-phenylether	40.000	42.314	-5.8	93	-0.01
68		Hexachlorobenzene	40.000	41.909	-4.8	93	-0.02
69		Atrazine	40.000	31.567	21.1	92	0.00
70	C	Pentachlorophenol	40.000	42.900	-7.2	92	-0.02
71		Phenanthrene	40.000	40.615	-1.5	91	-0.02
72		Anthracene	40.000	42.051	-5.1	92	-0.02
73		Carbazole	40.000	42.351	-5.9	93	-0.02
74		Di-n-butylphthalate	40.000	44.539	-11.3	94	-0.02
75	C	Fluoranthene	40.000	41.771	-4.4	93	-0.02
76	I	Chrysene-d12	20.000	20.000	0.0	95	0.00
77		Benzidine	40.000	36.041	9.9	50	-0.02
78		Pyrene	40.000	40.022	-0.1	93	-0.01
79	S	Terphenyl-d14	80.000	81.649	-2.1	94	-0.03
80		Butylbenzylphthalate	40.000	43.107	-7.8	94	-0.02
81		Benzo(a)anthracene	40.000	41.207	-3.0	95	0.00
82		3,3'-Dichlorobenzidine	40.000	43.139	-7.8	92	-0.02
83		Chrysene	40.000	40.888	-2.2	96	-0.01
84		Bis(2-ethylhexyl)phthalate	40.000	44.400	-11.0	95	0.00
85	c	Di-n-octyl phthalate	40.000	45.513	-13.8	96	0.00
86	I	Perylene-d12	20.000	20.000	0.0	99	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	42.071	-5.2	101	-0.02
88		Benzo(b)fluoranthene	40.000	41.288	-3.2	98	0.00
89		Benzo(k)fluoranthene	40.000	41.081	-2.7	98	0.00
90	C	Benzo(a)pyrene	40.000	41.855	-4.6	99	0.00
91		Dibenzo(a,h)anthracene	40.000	41.902	-4.8	100	0.00
92		Benzo(g,h,i)perylene	40.000	41.455	-3.6	99	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1762 SAS No.: Q1762 SDG No.: Q1762

Instrument ID: BNA_P Calibration Date/Time: 04/16/2025 09:43

Lab File ID: BP024304.D Init. Calib. Date(s): 04/14/2025 04/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:06 17:13

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.210	1.198		-1.0	
Benzaldehyde	0.819	1.715		109.4	
Phenol-d6	1.656	1.594		-3.7	
Phenol	1.661	1.607		-3.3	20.0
bis(2-Chloroethyl)ether	1.339	1.282		-4.3	
2-Chlorophenol	1.350	1.300		-3.7	
2-Methylphenol	1.075	1.038		-3.4	
2,2-oxybis(1-Chloropropane)	1.447	1.403		-3.0	
Acetophenone	0.495	0.484		-2.2	
3+4-Methylphenols	1.491	1.442		-3.3	
n-Nitroso-di-n-propylamine	1.025	0.973	0.050	-5.1	
Nitrobenzene-d5	0.351	0.356		1.4	
Hexachloroethane	0.533	0.526		-1.3	
Nitrobenzene	0.347	0.347		0.0	
Isophorone	0.635	0.618		-2.7	
2-Nitrophenol	0.170	0.172		1.2	20.0
2,4-Dimethylphenol	0.213	0.213		0.0	
bis(2-Chloroethoxy)methane	0.429	0.425		-0.9	
2,4-Dichlorophenol	0.291	0.291		0.0	20.0
Naphthalene	1.054	1.027		-2.6	
4-Chloroaniline	0.371	0.369		-0.5	
Hexachlorobutadiene	0.183	0.183		0.0	20.0
Caprolactam	0.107	0.101		-5.6	
4-Chloro-3-methylphenol	0.339	0.333		-1.8	20.0
2-Methylnaphthalene	0.731	0.702		-4.0	
Hexachlorocyclopentadiene	0.195	0.203	0.050	4.1	
2,4,6-Trichlorophenol	0.366	0.369		0.8	20.0
2-Fluorobiphenyl	1.306	1.270		-2.8	
2,4,5-Trichlorophenol	0.405	0.403		-0.5	
1,1-Biphenyl	1.470	1.439		-2.1	
2-Chloronaphthalene	1.099	1.078		-1.9	
2-Nitroaniline	0.308	0.313		1.6	
Dimethylphthalate	1.454	1.383		-4.9	
Acenaphthylene	1.730	1.692		-2.2	
2,6-Dinitrotoluene	0.309	0.304		-1.6	
3-Nitroaniline	0.325	0.324		-0.3	
Acenaphthene	1.097	1.057		-3.6	20.0
2,4-Dinitrophenol	0.182	0.155	0.050	-14.8	
4-Nitrophenol	0.280	0.281	0.050	0.4	

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.: Q1762 SAS No.: Q1762 SDG No.: Q1762

Instrument ID: BNA_P Calibration Date/Time: 04/16/2025 09:43

Lab File ID: BP024304.D Init. Calib. Date(s): 04/14/2025 04/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:06 17:13

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.793	1.710		-4.6	
2,4-Dinitrotoluene	0.421	0.419		-0.5	
Diethylphthalate	1.499	1.442		-3.8	
4-Chlorophenyl-phenylether	0.674	0.647		-4.0	
Fluorene	1.388	1.326		-4.5	
4-Nitroaniline	0.344	0.338		-1.7	
4,6-Dinitro-2-methylphenol	0.126	0.114		-9.5	
n-Nitrosodiphenylamine	0.597	0.581		-2.7	20.0
2,4,6-Tribromophenol	0.277	0.264		-4.7	
4-Bromophenyl-phenylether	0.219	0.215		-1.8	
Hexachlorobenzene	0.260	0.250		-3.8	
Atrazine	0.152	0.190		25.0	
Pentachlorophenol	0.181	0.181		0.0	20.0
Phenanthrene	1.091	1.044		-4.3	
Anthracene	1.052	1.032		-1.9	
Carbazole	1.027	0.996		-3.0	
Di-n-butylphthalate	1.280	1.304		1.9	
Fluoranthene	1.298	1.259		-3.0	20.0
Pyrene	1.271	1.244		-2.1	
Terphenyl-d14	0.992	0.967		-2.5	
Butylbenzylphthalate	0.544	0.569		4.6	
3,3-Dichlorobenzidine	0.436	0.435		-0.2	
Benzo(a)anthracene	1.243	1.212		-2.5	
Chrysene	1.191	1.164		-2.3	
Bis(2-ethylhexyl)phthalate	0.798	0.859		7.6	
Di-n-octyl phthalate	1.297	1.403		8.2	20.0
Benzo(b)fluoranthene	1.199	1.169		-2.5	
Benzo(k)fluoranthene	1.158	1.144		-1.2	
Benzo(a)pyrene	1.034	1.025		-0.9	20.0
Indeno(1,2,3-cd)pyrene	1.388	1.376		-0.9	
Dibenzo(a,h)anthracene	1.152	1.144		-0.7	
Benzo(g,h,i)perylene	1.173	1.152		-1.8	
1,2,4,5-Tetrachlorobenzene	0.550	0.553		0.5	
1,4-Dioxane	0.512	0.514		0.4	20.0
2,3,4,6-Tetrachlorophenol	0.373	0.357		-4.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024304.D
Acq On : 16 Apr 2025 09:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Apr 16 10:58:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	273289	20.000	ng	0.00
21) Naphthalene-d8	10.499	136	1112648	20.000	ng	0.00
39) Acenaphthene-d10	14.357	164	684984	20.000	ng	-0.01
64) Phenanthrene-d10	17.163	188	1326066	20.000	ng	-0.02
76) Chrysene-d12	21.622	240	1395752	20.000	ng	0.00
86) Perylene-d12	24.980	264	1605776	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1309855	79.249	ng	0.00
7) Phenol-d6	6.911	99	1742530	76.994	ng	0.00
23) Nitrobenzene-d5	8.875	82	1583125	81.132	ng	0.00
42) 2,4,6-Tribromophenol	15.875	330	724472	76.444	ng	-0.02
45) 2-Fluorobiphenyl	12.969	172	3480531	77.799	ng	-0.01
79) Terphenyl-d14	19.898	244	5397861	77.952	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.293	88	280690	40.149	ng	99
3) Pyridine	3.687	79	690618	37.410	ng	98
4) n-Nitrosodimethylamine	3.593	42	247123	40.335	ng	95
6) Aniline	7.064	93	788242	38.976	ng	100
8) 2-Chlorophenol	7.299	128	710664	38.511	ng	99
9) Benzaldehyde	6.881	77	937148	83.710	ng	99
10) Phenol	6.934	94	878499	38.695	ng	97
11) bis(2-Chloroethyl)ether	7.158	93	700888	38.316	ng	99
12) 1,3-Dichlorobenzene	7.616	146	764077	38.460	ng	100
13) 1,4-Dichlorobenzene	7.763	146	774220	38.409	ng	100
14) 1,2-Dichlorobenzene	8.075	146	738672	37.950	ng	99
15) Benzyl Alcohol	7.963	79	579983	39.627	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.246	45	766614	38.773	ng	99
17) 2-Methylphenol	8.169	107	567188	38.619	ng	99
18) Hexachloroethane	8.793	117	287766	39.503	ng	99
19) n-Nitroso-di-n-propyla...	8.522	70	531778	37.980	ng	99
20) 3+4-Methylphenols	8.493	107	788093	38.673	ng	100
22) Acetophenone	8.540	105	1076855	39.103	ng	99
24) Nitrobenzene	8.916	77	772482	40.018	ng	99
25) Isophorone	9.434	82	1375042	38.931	ng	100
26) 2-Nitrophenol	9.616	139	383457	40.593	ng	98
27) 2,4-Dimethylphenol	9.681	122	472990	39.877	ng	99
28) bis(2-Chloroethoxy)met...	9.910	93	945045	39.608	ng	100
29) 2,4-Dichlorophenol	10.152	162	648273	40.084	ng	98
30) 1,2,4-Trichlorobenzene	10.363	180	686736	39.632	ng	100
31) Naphthalene	10.552	128	2286441	39.011	ng	100
32) Benzoic acid	9.828	122	509423	36.859	ng	97
33) 4-Chloroaniline	10.657	127	821488	39.801	ng	100
34) Hexachlorobutadiene	10.834	225	407618	40.032	ng	99
35) Caprolactam	11.452	113	225091	37.720	ng	98
36) 4-Chloro-3-methylphenol	11.787	107	741102	39.342	ng	98
37) 2-Methylnaphthalene	12.157	142	1561603	38.418	ng	99
38) 1-Methylnaphthalene	12.381	142	1526243	38.382	ng	99
40) 1,2,4,5-Tetrachloroben...	12.534	216	758053	40.242	ng	99
41) Hexachlorocyclopentadiene	12.510	237	278520	41.806	ng	98
43) 2,4,6-Trichlorophenol	12.775	196	505554	40.367	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024304.D
Acq On : 16 Apr 2025 09:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Apr 16 10:58:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

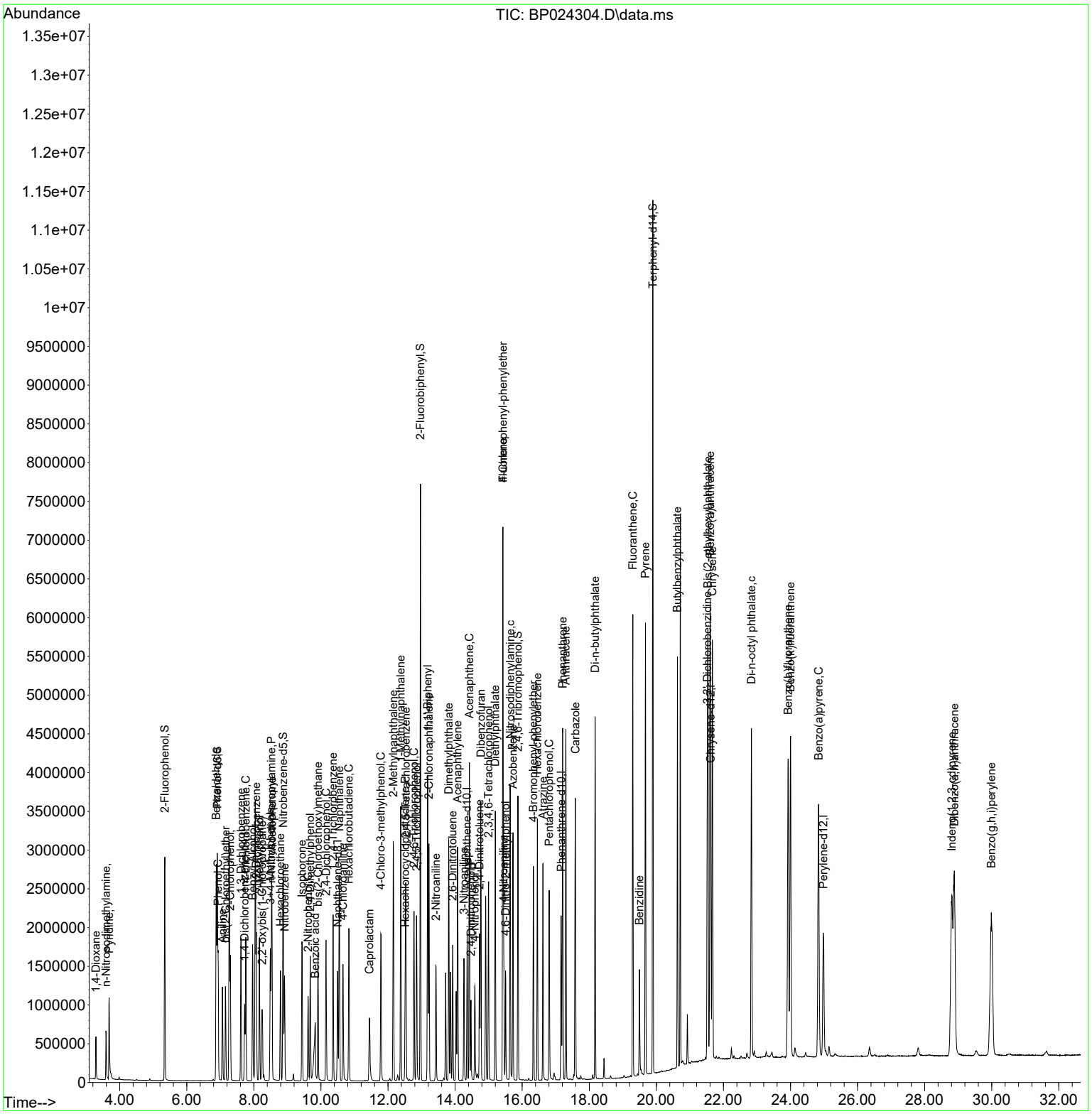
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.851	196	552625	39.847	ng	99
46) 1,1'-Biphenyl	13.181	154	1970817	39.142	ng	99
47) 2-Chloronaphthalene	13.222	162	1476233	39.229	ng	99
48) 2-Nitroaniline	13.428	65	428269	40.573	ng	95
49) Acenaphthylene	14.075	152	2318531	39.133	ng	100
50) Dimethylphthalate	13.810	163	1894273	38.027	ng	99
51) 2,6-Dinitrotoluene	13.928	165	415939	39.322	ng	96
52) Acenaphthene	14.428	154	1448088	38.553	ng	100
53) 3-Nitroaniline	14.263	138	444273	39.962	ng	99
54) 2,4-Dinitrophenol	14.475	184	212415	34.091	ng	94
55) Dibenzofuran	14.769	168	2342583	38.155	ng	100
56) 4-Nitrophenol	14.593	139	384396	40.035	ng	98
57) 2,4-Dinitrotoluene	14.728	165	573535	39.748	ng	99
58) Fluorene	15.428	166	1815901	38.207	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.998	232	489728	38.286	ng	98
60) Diethylphthalate	15.198	149	1975103	38.476	ng	100
61) 4-Chlorophenyl-phenyle...	15.428	204	885891	38.384	ng	99
62) 4-Nitroaniline	15.451	138	463166	39.355	ng	96
63) Azobenzene	15.728	77	1856240	39.342	ng	99
65) 4,6-Dinitro-2-methylph...	15.510	198	301302	36.039	ng	94
66) n-Nitrosodiphenylamine	15.645	169	1541168	38.938	ng	100
67) 4-Bromophenyl-phenylether	16.334	248	569742	39.285	ng	98
68) Hexachlorobenzene	16.451	284	663902	38.524	ng	96
69) Atrazine	16.622	200	503679	49.965	ng	99
70) Pentachlorophenol	16.804	266	479239	39.862	ng	98
71) Phenanthrene	17.210	178	2769989	38.291	ng	99
72) Anthracene	17.304	178	2737408	39.262	ng	99
73) Carbazole	17.587	167	2641410	38.774	ng	100
74) Di-n-butylphthalate	18.175	149	3457295	40.735	ng	100
75) Fluoranthene	19.298	202	3337866	38.796	ng	100
77) Benzidine	19.498	184	795351	44.955	ng	99
78) Pyrene	19.675	202	3471525	39.137	ng	99
80) Butylbenzylphthalate	20.628	149	1588223	41.803	ng	98
81) Benzo(a)anthracene	21.604	228	3384340	39.011	ng	100
82) 3,3'-Dichlorobenzidine	21.522	252	1213910	39.866	ng	99
83) Chrysene	21.669	228	3250148	39.104	ng	99
84) Bis(2-ethylhexyl)phtha...	21.539	149	2398065	43.056	ng	99
85) Di-n-octyl phthalate	22.833	149	3916880	43.258	ng	100
87) Indeno(1,2,3-cd)pyrene	28.809	276	4418804	39.638	ng	99
88) Benzo(b)fluoranthene	23.927	252	3753122	38.993	ng	98
89) Benzo(k)fluoranthene	24.004	252	3674203	39.519	ng	99
90) Benzo(a)pyrene	24.839	252	3292674	39.658	ng	99
91) Dibenzo(a,h)anthracene	28.886	278	3674163	39.707	ng	98
92) Benzo(g,h,i)perylene	29.986	276	3699759	39.282	ng	98

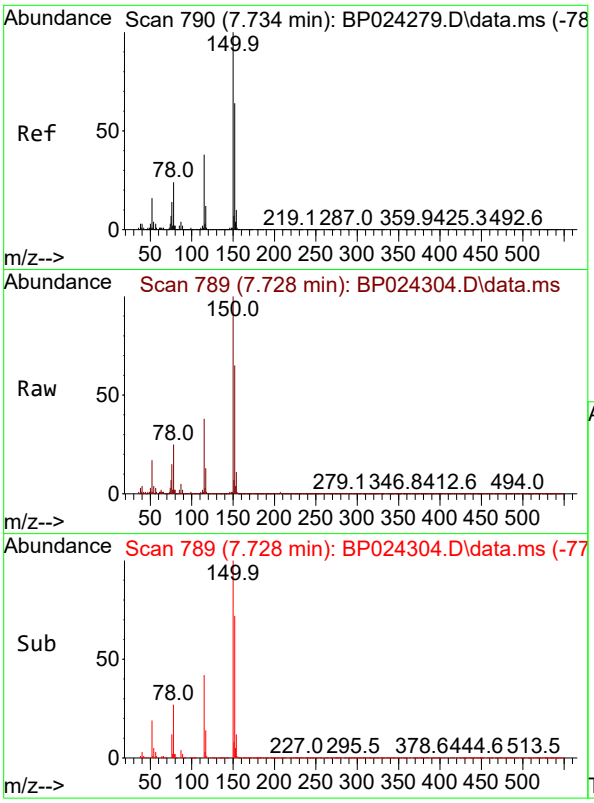
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024304.D
Acq On : 16 Apr 2025 09:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Apr 16 10:58:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration



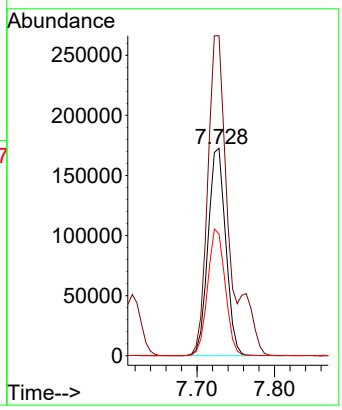


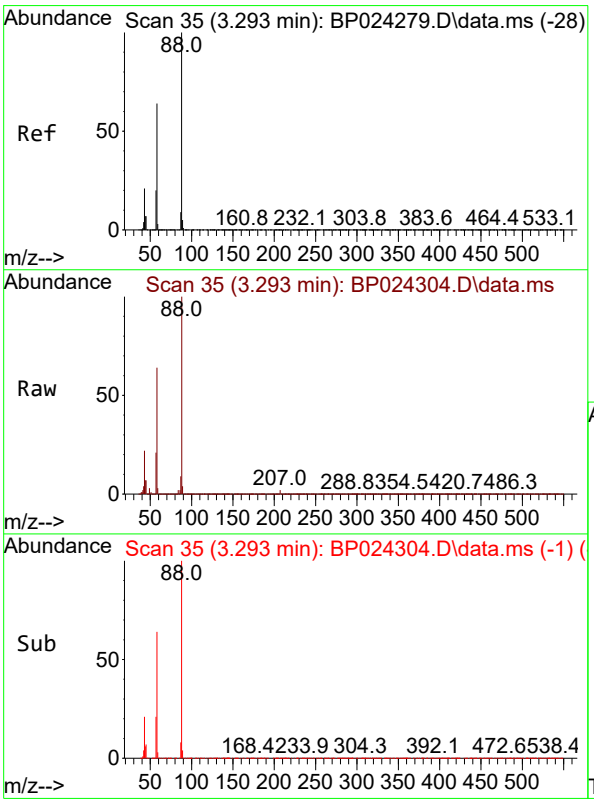
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 273289

Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.9	187.3
115	58.7	47.7	71.5

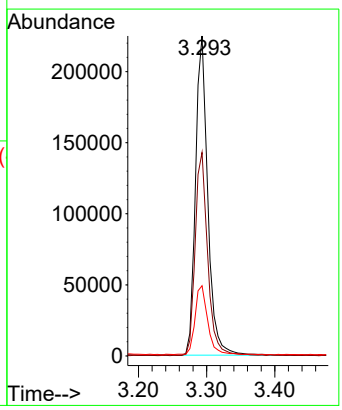


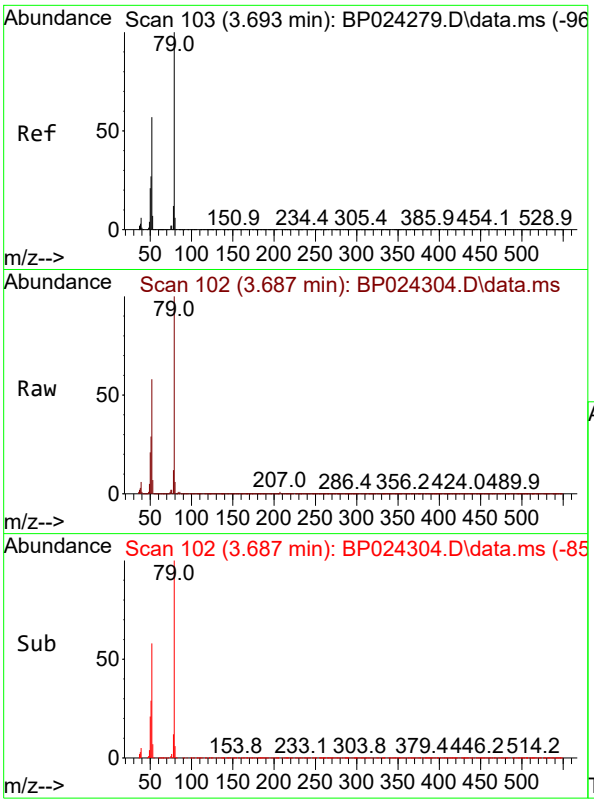


#2
1,4-Dioxane
Concen: 40.149 ng
RT: 3.293 min Scan# 35
Delta R.T. 0.000 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion: 88 Resp: 280690

Ion	Ratio	Lower	Upper
88	100		
58	64.9	51.4	77.2
43	22.2	17.1	25.7



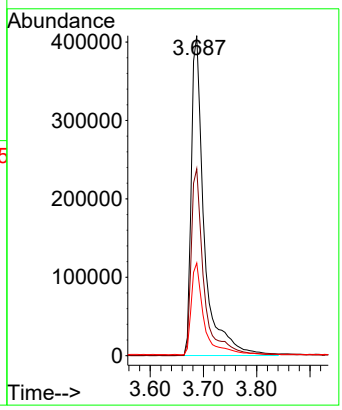


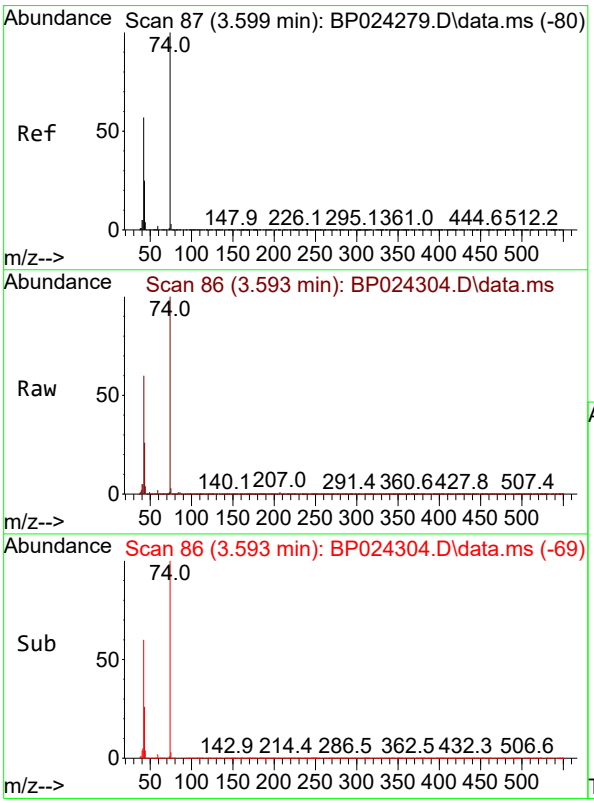
#3
Pyridine
Concen: 37.410 ng
RT: 3.687 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 690618

Ion	Ratio	Lower	Upper
79	100		
52	58.4	45.4	68.2
51	28.9	22.6	33.8

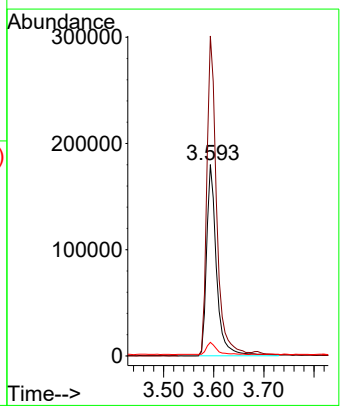


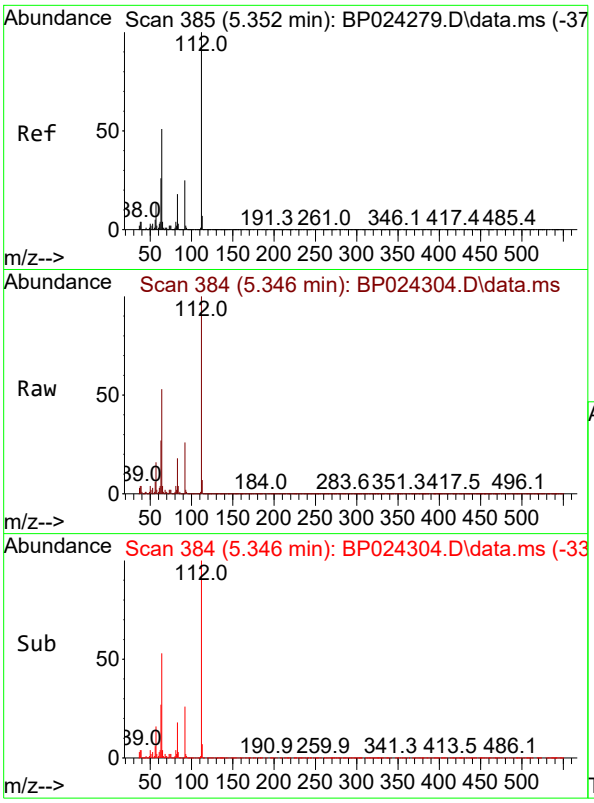


#4
n-Nitrosodimethylamine
Concen: 40.335 ng
RT: 3.593 min Scan# 86
Delta R.T. 0.000 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion: 42 Resp: 247123

Ion	Ratio	Lower	Upper
42	100		
74	167.2	139.5	209.3
44	7.1	5.8	8.8



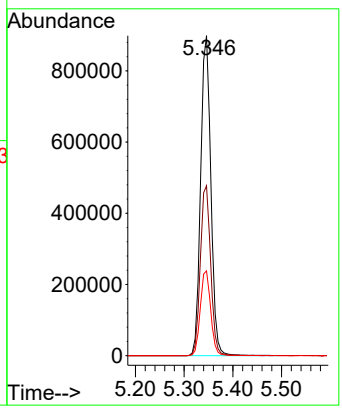


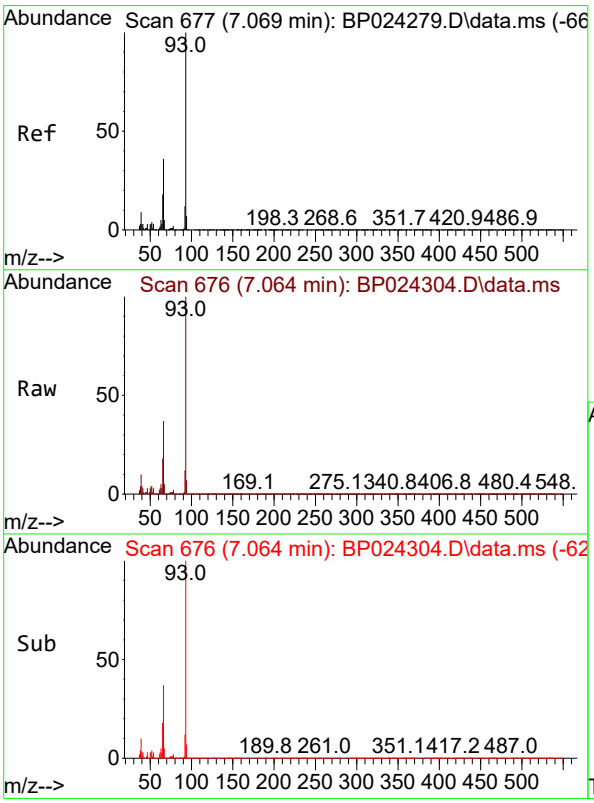
#5
2-Fluorophenol
Concen: 79.249 ng
RT: 5.346 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 1309855

Ion	Ratio	Lower	Upper
112	100		
64	53.1	41.1	61.7
63	26.5	20.6	30.8

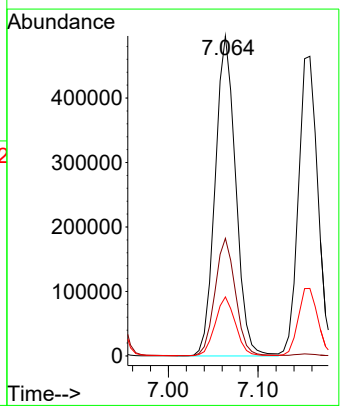


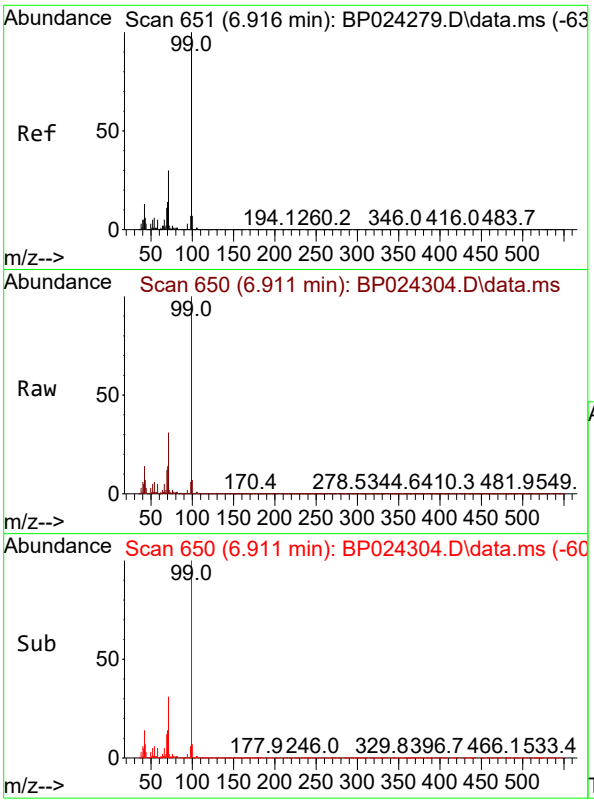


#6
Aniline
Concen: 38.976 ng
RT: 7.064 min Scan# 676
Delta R.T. -0.006 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion: 93 Resp: 788242

Ion	Ratio	Lower	Upper
93	100		
66	36.7	29.1	43.7
65	18.5	14.7	22.1



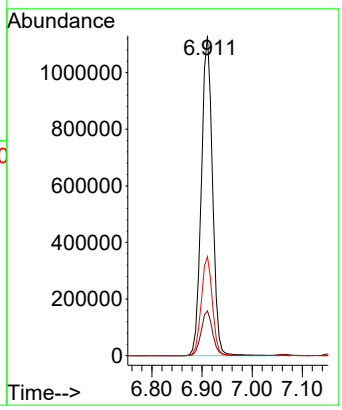


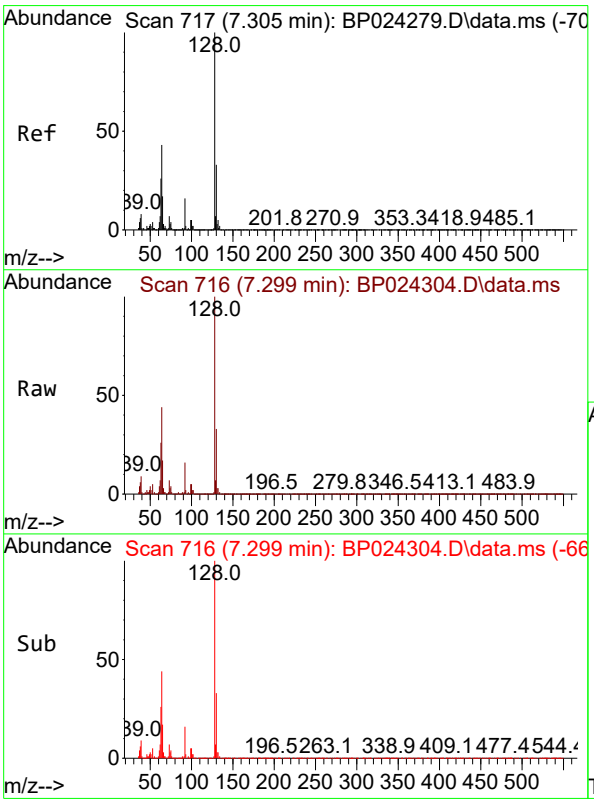
#7
Phenol-d6
Concen: 76.994 ng
RT: 6.911 min Scan# 6
Delta R.T. -0.005 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 1742530

Ion	Ratio	Lower	Upper
99	100		
42	14.0	10.6	16.0
71	31.0	23.7	35.5

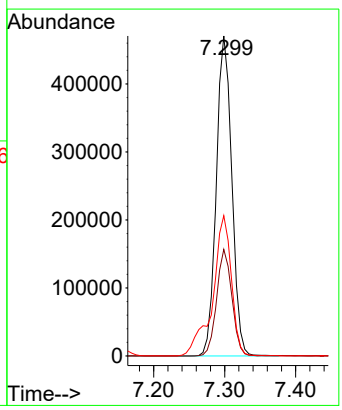


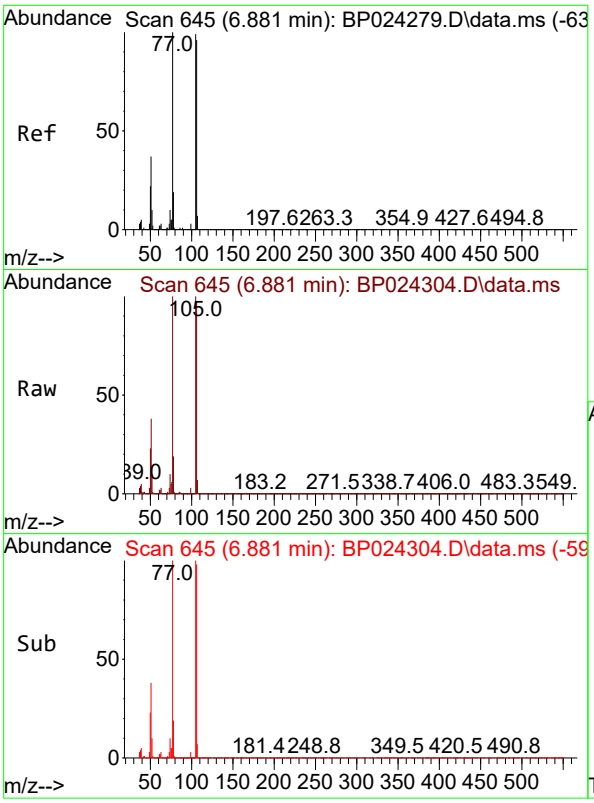


#8
2-Chlorophenol
Concen: 38.511 ng
RT: 7.299 min Scan# 716
Delta R.T. -0.006 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:128 Resp: 710664

Ion	Ratio	Lower	Upper
128	100		
130	33.3	12.9	52.9
64	43.9	22.7	62.7



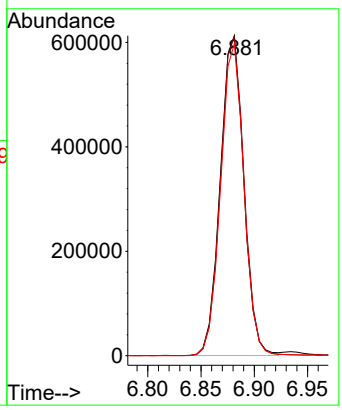


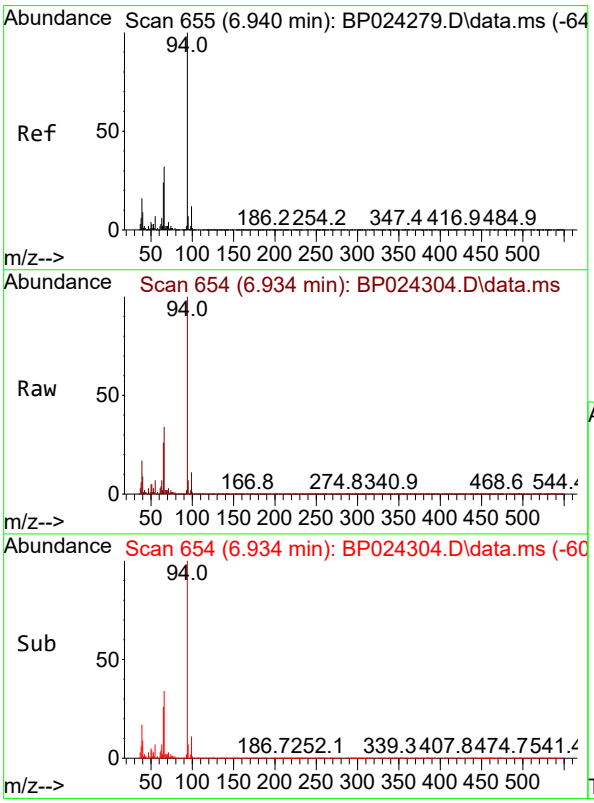
#9
Benzaldehyde
Concen: 83.710 ng
RT: 6.881 min Scan# 64
Delta R.T. 0.000 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 937148

Ion	Ratio	Lower	Upper
77	100		
105	99.8	79.2	119.2
106	97.5	76.2	116.2

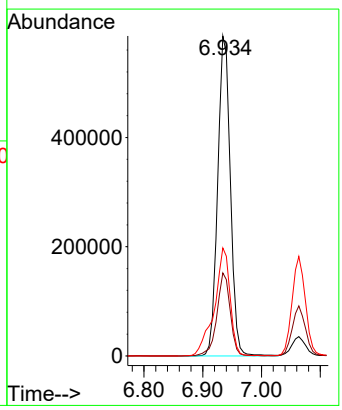


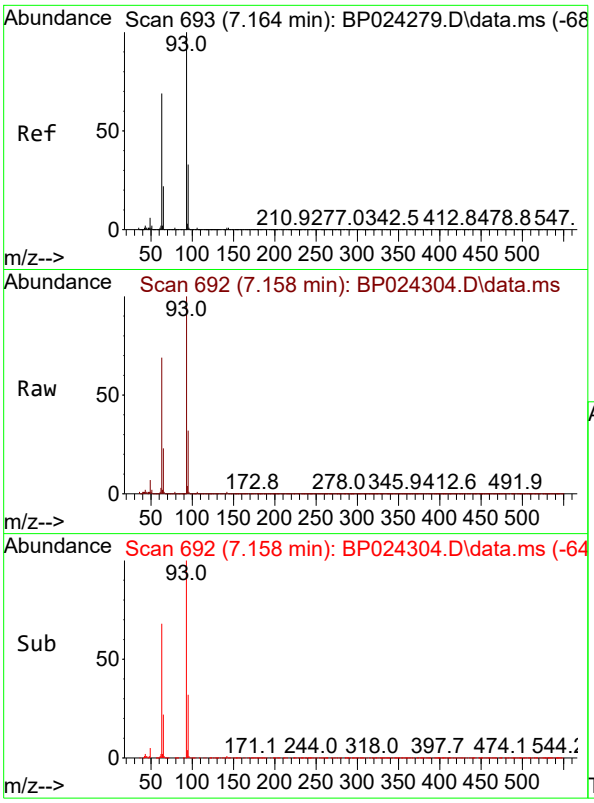


#10
Phenol
Concen: 38.695 ng
RT: 6.934 min Scan# 654
Delta R.T. -0.012 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion: 94 Resp: 878499

Ion	Ratio	Lower	Upper
94	100		
65	26.0	4.5	44.5
66	33.7	12.4	52.4



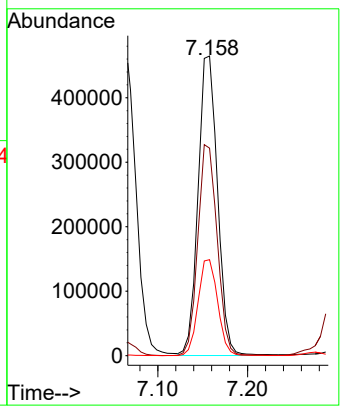


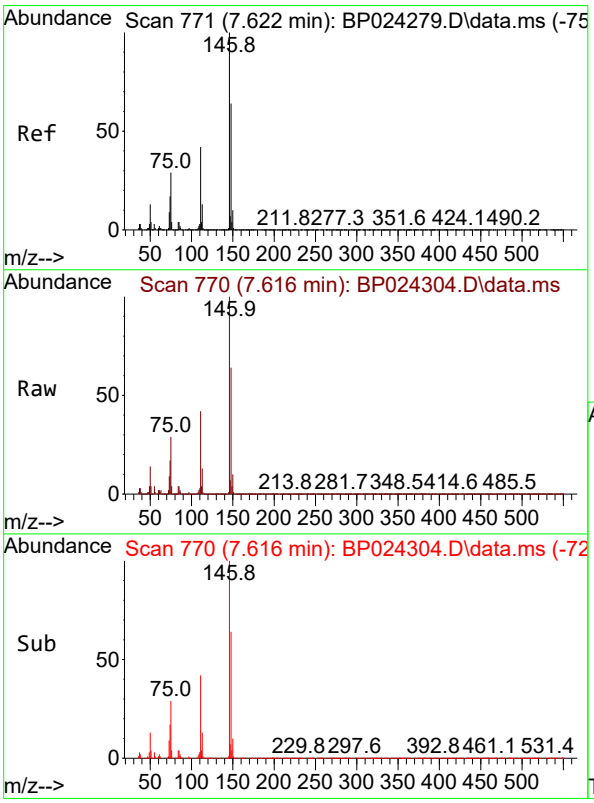
#11
bis(2-Chloroethyl)ether
Concen: 38.316 ng
RT: 7.158 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 700888

Ion	Ratio	Lower	Upper
93	100		
63	69.2	48.6	88.6
95	32.0	12.3	52.3

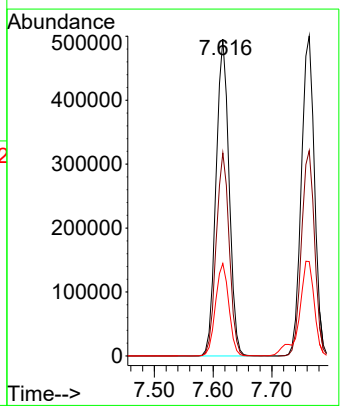


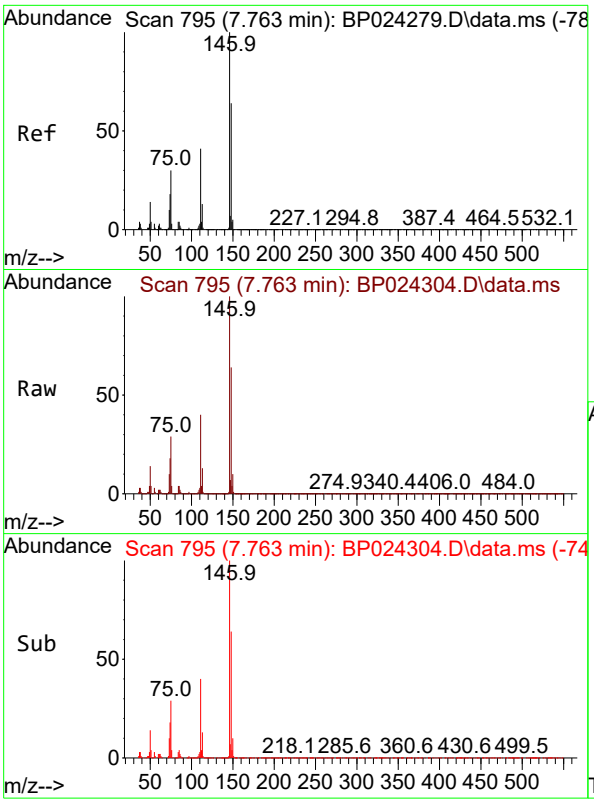


#12
1,3-Dichlorobenzene
Concen: 38.460 ng
RT: 7.616 min Scan# 770
Delta R.T. -0.006 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:146 Resp: 764077

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.4	77.0
75	29.2	22.9	34.3



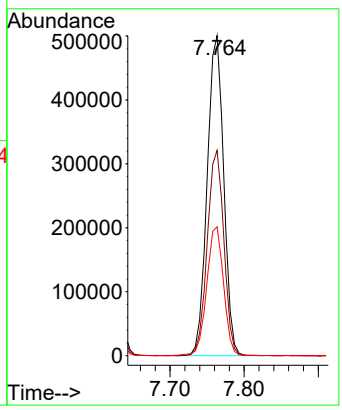


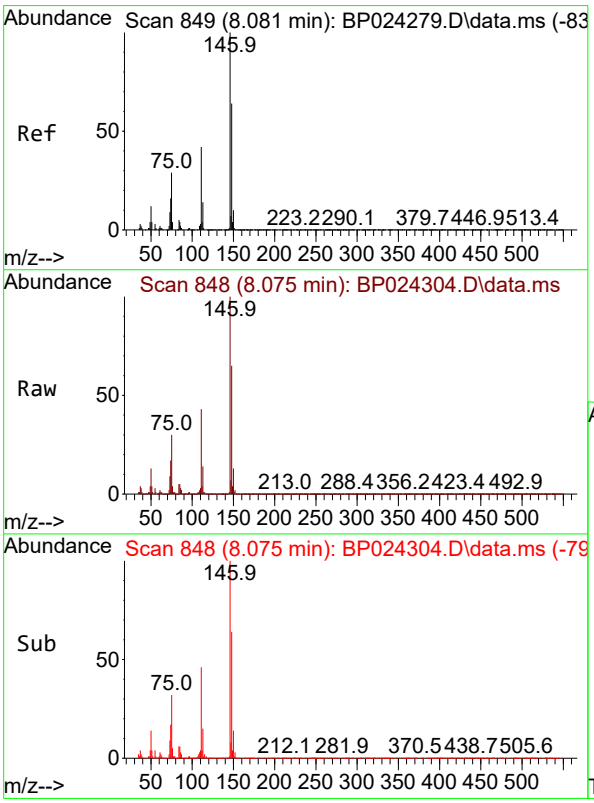
#13
1,4-Dichlorobenzene
Concen: 38.409 ng
RT: 7.763 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 774220

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.1	76.7
111	40.3	32.6	48.8

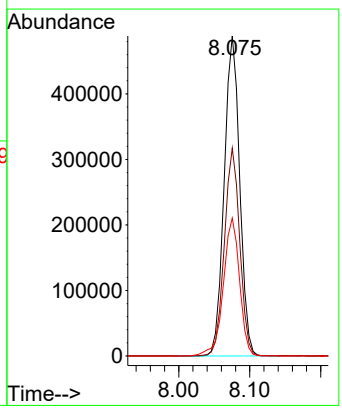


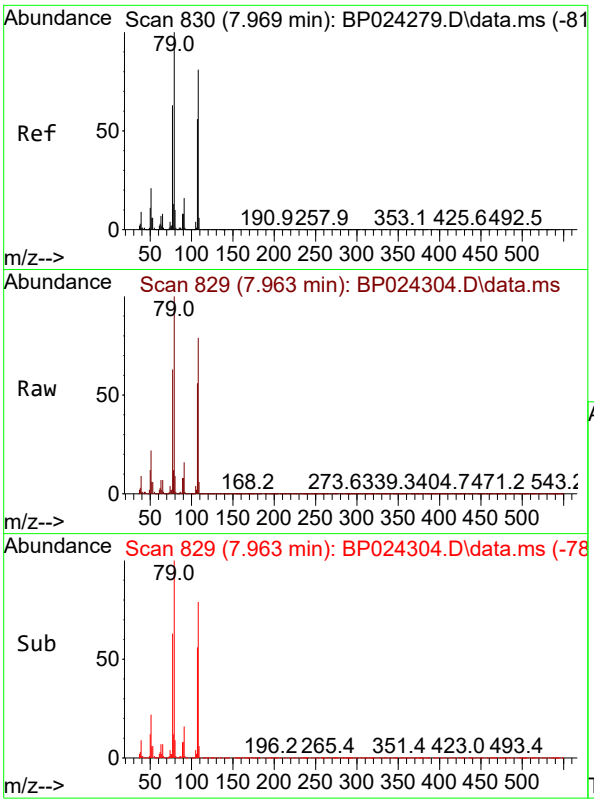


#14
1,2-Dichlorobenzene
Concen: 37.950 ng
RT: 8.075 min Scan# 848
Delta R.T. 0.000 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:146 Resp: 738672

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.0	76.4
111	43.1	33.8	50.8



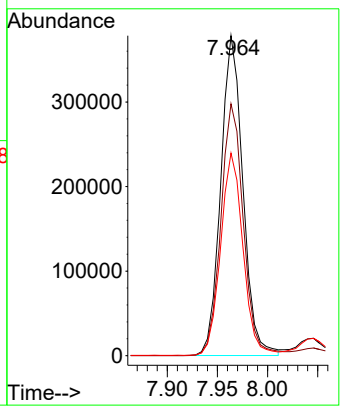


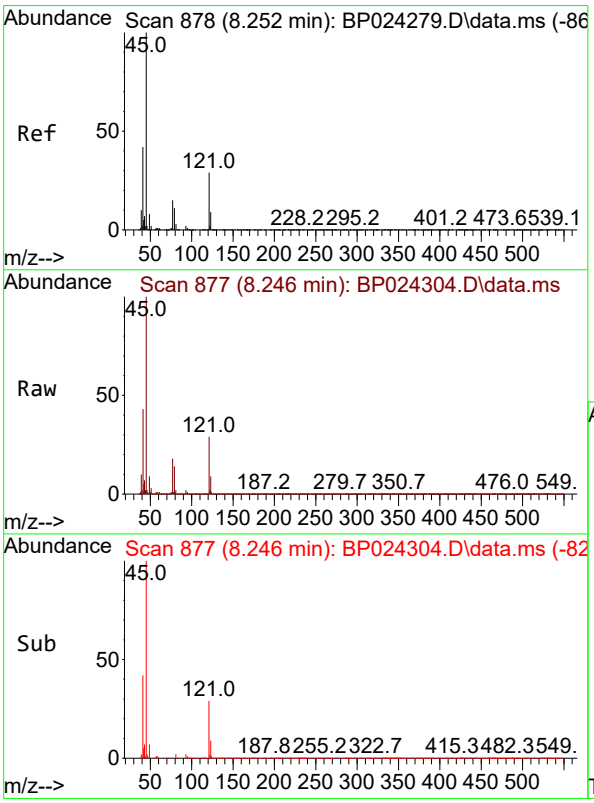
#15
Benzyl Alcohol
Concen: 39.627 ng
RT: 7.963 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 579983

Ion	Ratio	Lower	Upper
79	100		
108	78.7	65.1	97.7
77	63.3	50.7	76.1

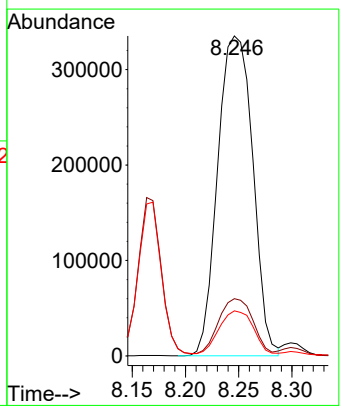


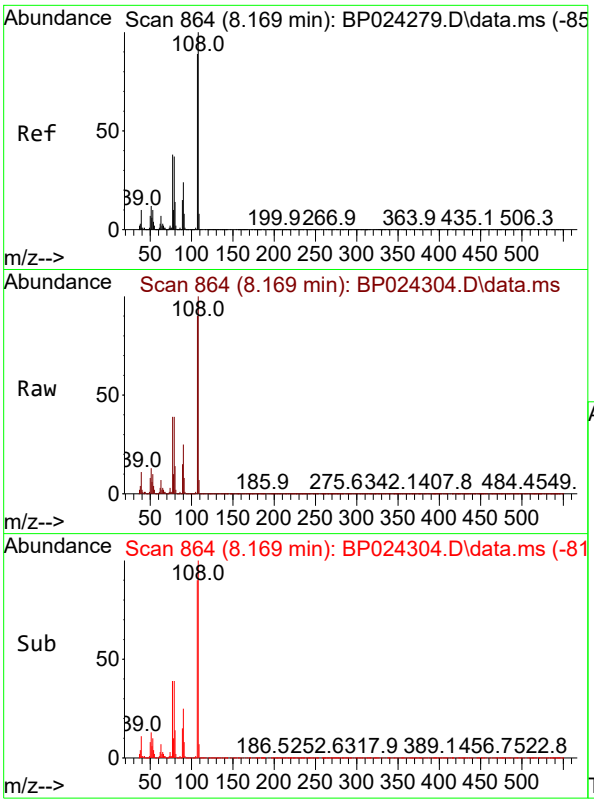


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.773 ng
RT: 8.246 min Scan# 877
Delta R.T. -0.012 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion: 45 Resp: 766614

Ion	Ratio	Lower	Upper
45	100		
77	17.9	0.0	37.7
79	14.1	0.0	33.5



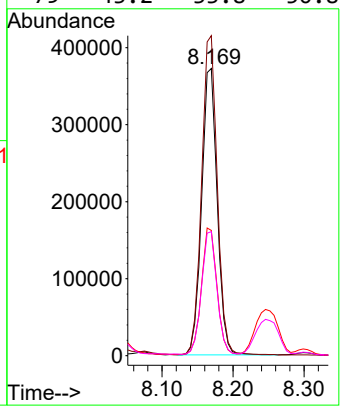


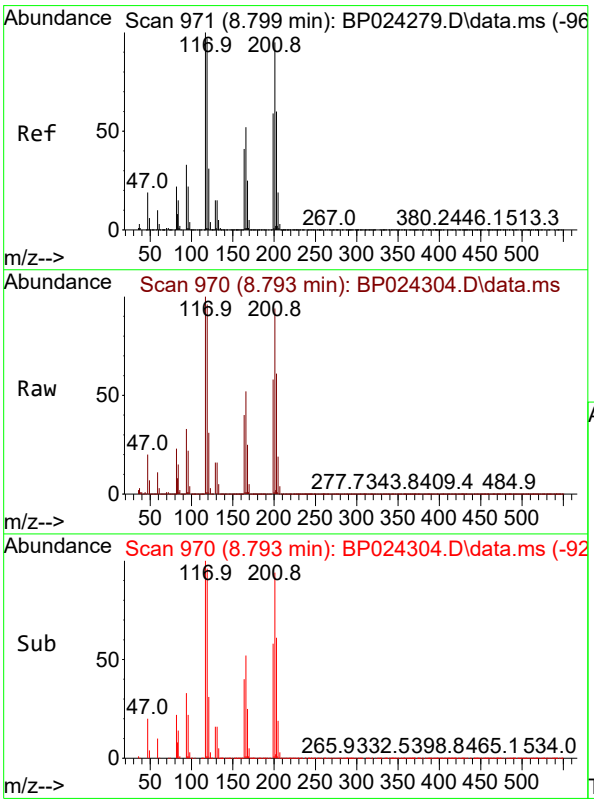
#17
2-Methylphenol
Concen: 38.619 ng
RT: 8.169 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 567188

Ion	Ratio	Lower	Upper
107	100		
108	111.4	89.8	134.6
77	43.7	34.2	51.4
79	43.2	33.8	50.8

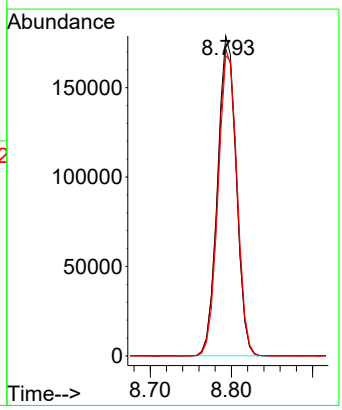


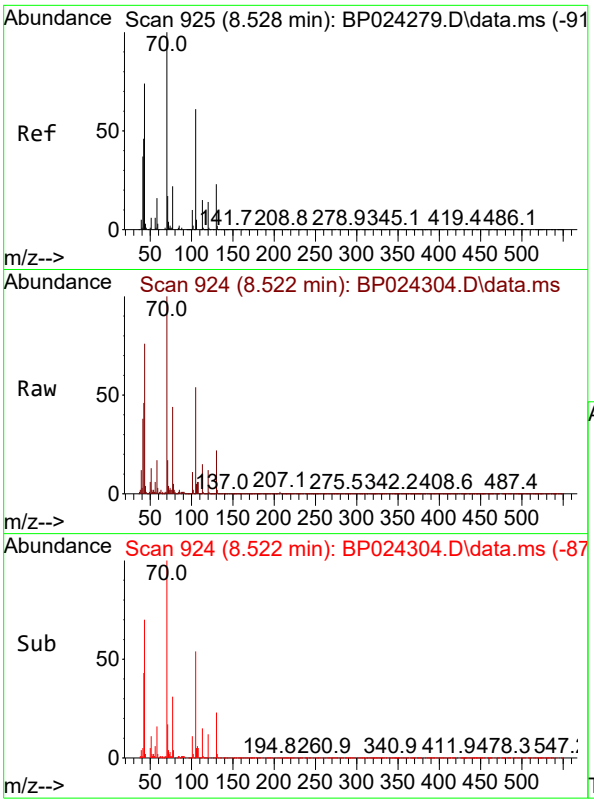


#18
Hexachloroethane
Concen: 39.503 ng
RT: 8.793 min Scan# 970
Delta R.T. -0.006 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:117 Resp: 287766

Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.8	116.6
201	93.8	75.9	113.9



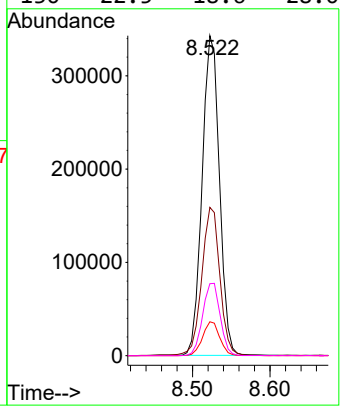


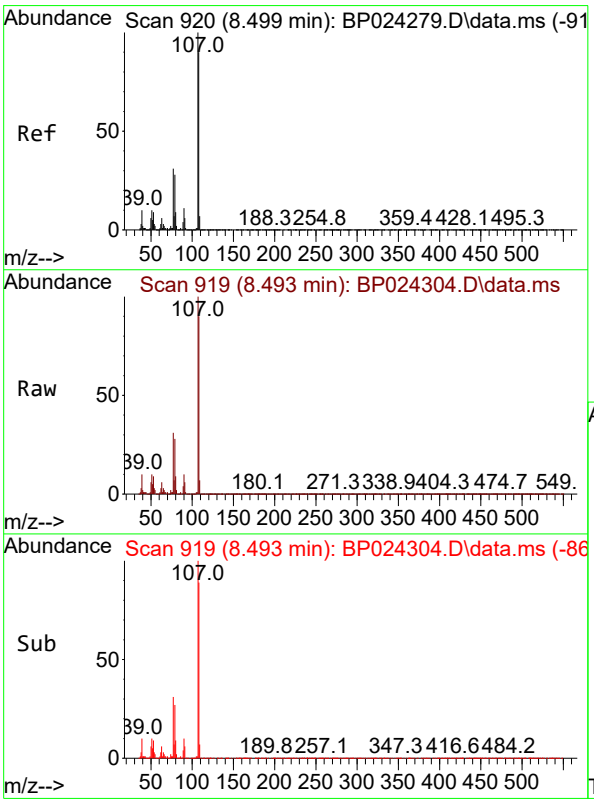
#19
n-Nitroso-di-n-propylamine
Concen: 37.980 ng
RT: 8.522 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 531778

Ion	Ratio	Lower	Upper
70	100		
42	46.4	37.3	55.9
101	10.6	8.2	12.4
130	22.5	18.6	28.0

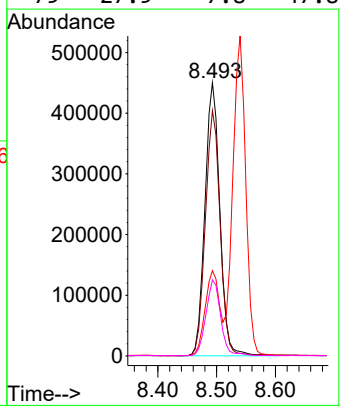


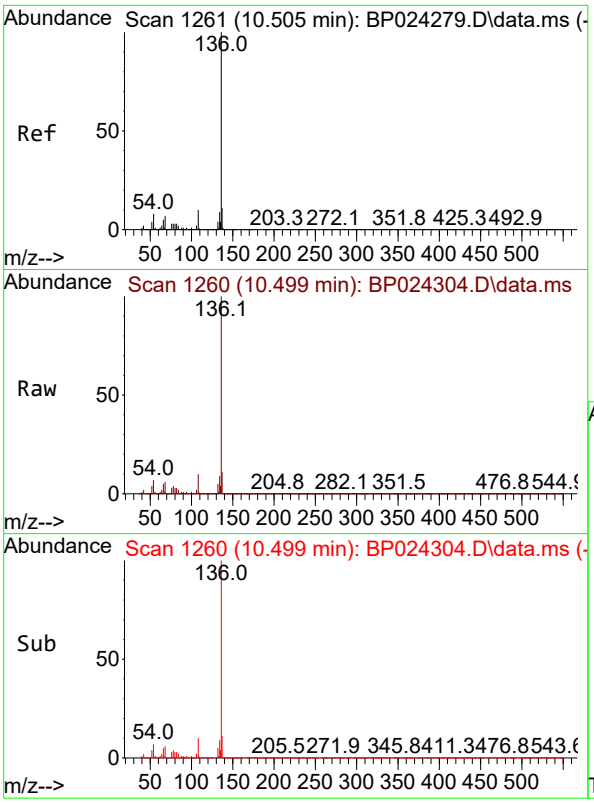


#20
3+4-Methylphenols
Concen: 38.673 ng
RT: 8.493 min Scan# 919
Delta R.T. -0.006 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:107 Resp: 788093

Ion	Ratio	Lower	Upper
107	100		
108	89.8	69.8	109.8
77	31.2	11.5	51.5
79	27.9	7.8	47.8



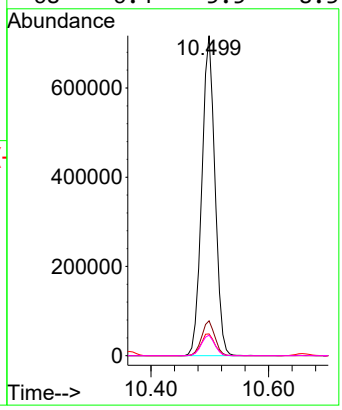


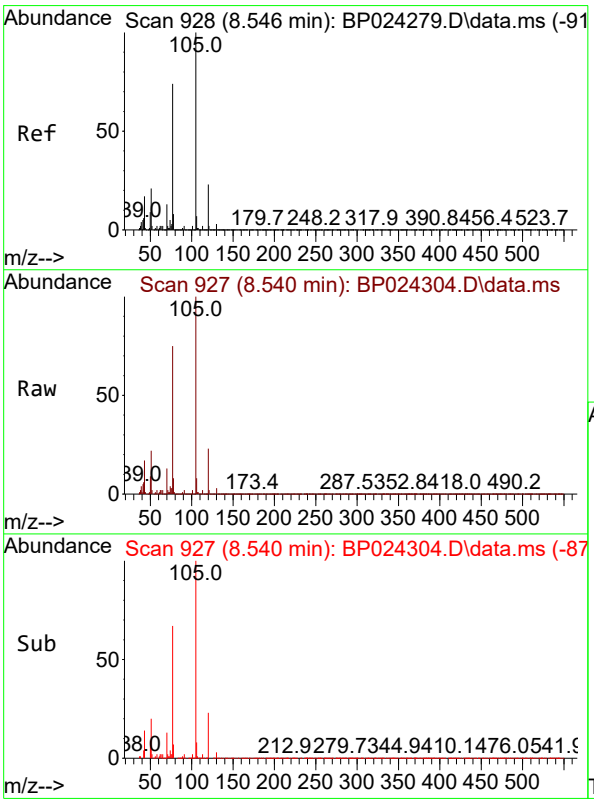
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.499 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 1112648

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	6.8	6.0	9.0
68	6.4	5.5	8.3

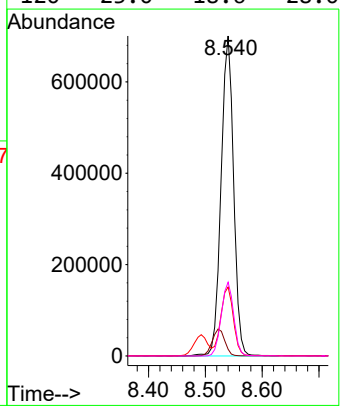


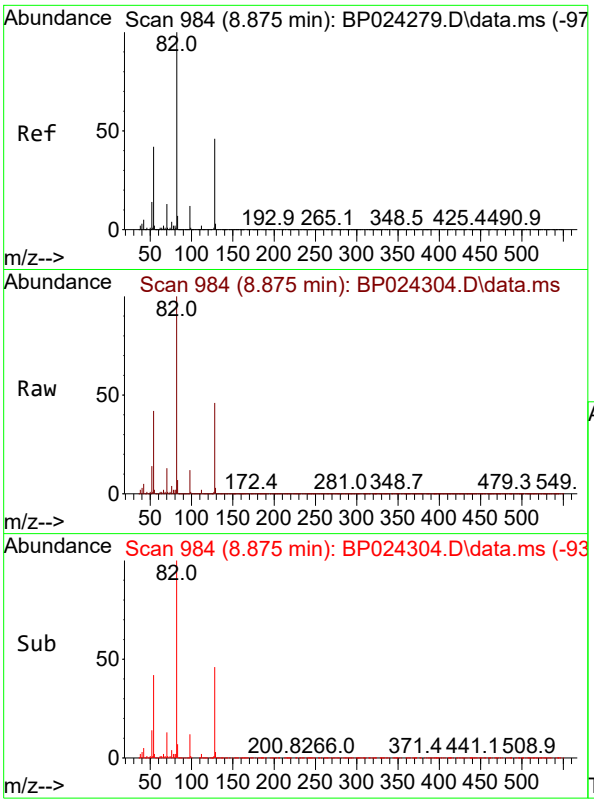


#22
Acetophenone
Concen: 39.103 ng
RT: 8.540 min Scan# 927
Delta R.T. -0.006 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:105 Resp: 1076855

Ion	Ratio	Lower	Upper
105	100		
71	2.1	1.7	2.5
51	21.5	16.9	25.3
120	23.0	18.6	28.0



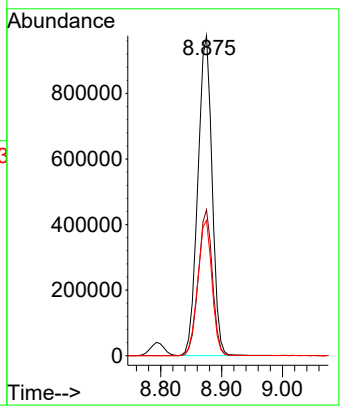


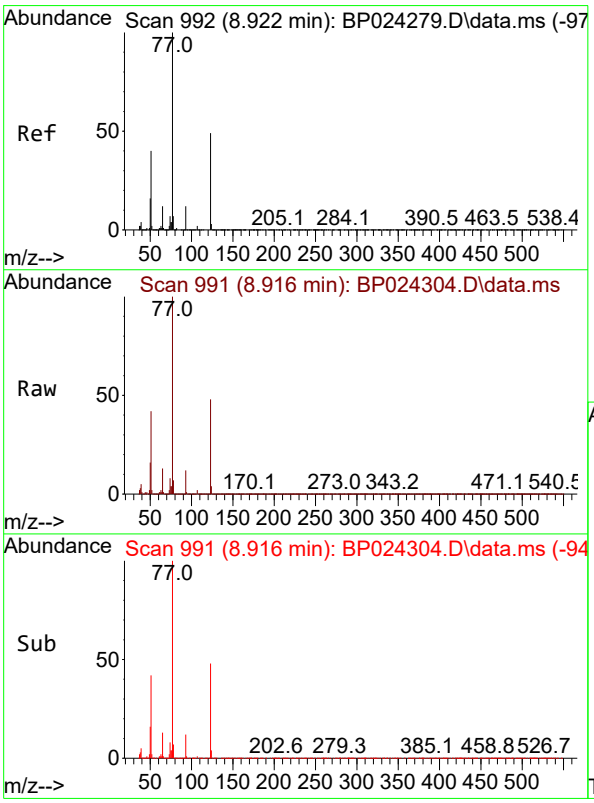
#23
Nitrobenzene-d5
Concen: 81.132 ng
RT: 8.875 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1583125

Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.5	54.7
54	42.3	33.4	50.2

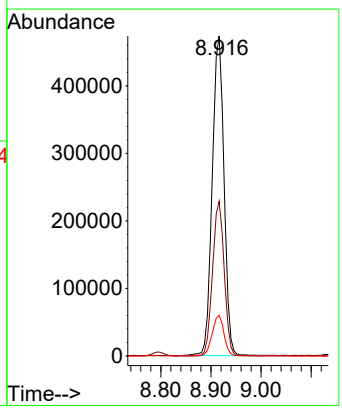


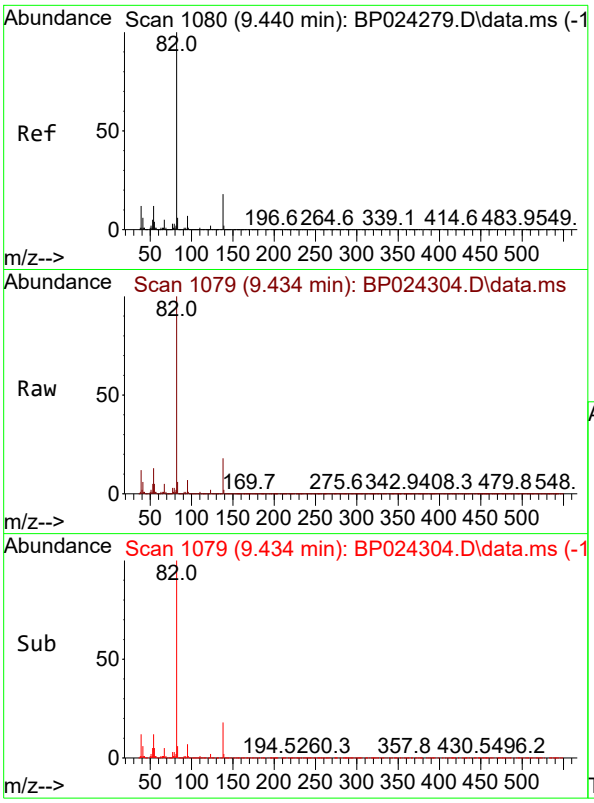


#24
Nitrobenzene
Concen: 40.018 ng
RT: 8.916 min Scan# 991
Delta R.T. -0.006 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion: 77 Resp: 772482

Ion	Ratio	Lower	Upper
77	100		
123	48.3	39.2	58.8
65	12.7	9.8	14.6



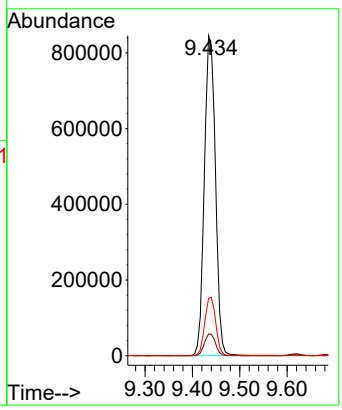


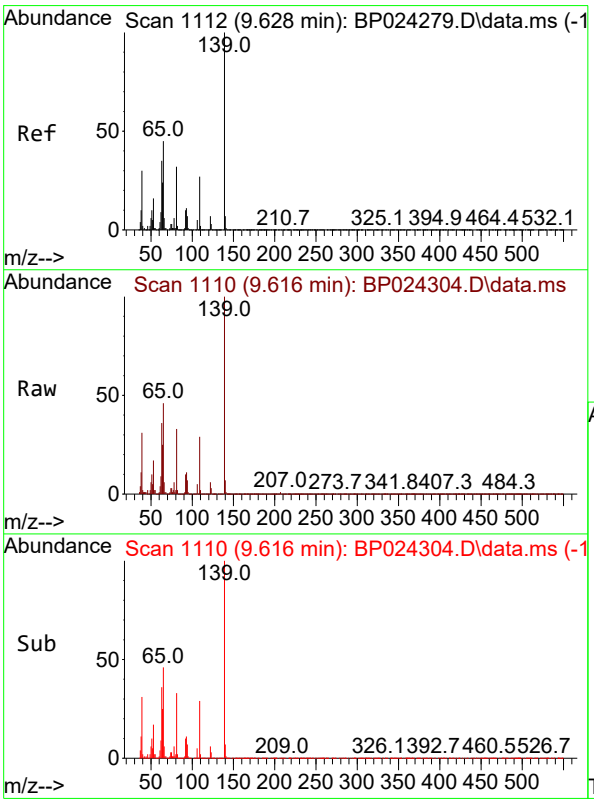
#25
Isophorone
Concen: 38.931 ng
RT: 9.434 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1375042

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	18.0	14.4	21.6

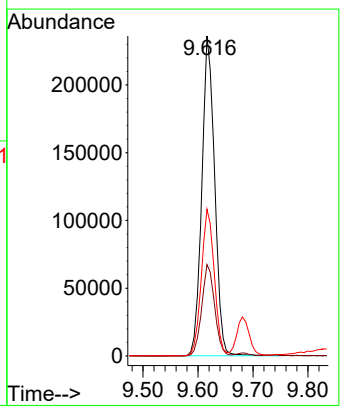


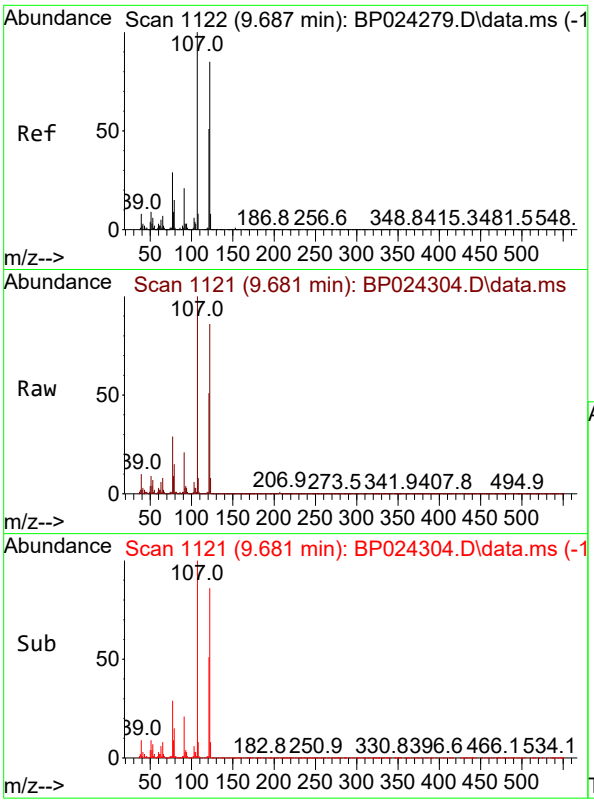


#26
2-Nitrophenol
Concen: 40.593 ng
RT: 9.616 min Scan# 1110
Delta R.T. -0.012 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:139 Resp: 383457

Ion	Ratio	Lower	Upper
139	100		
109	28.6	21.8	32.6
65	45.9	36.2	54.2



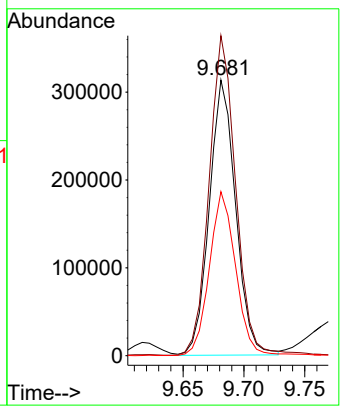


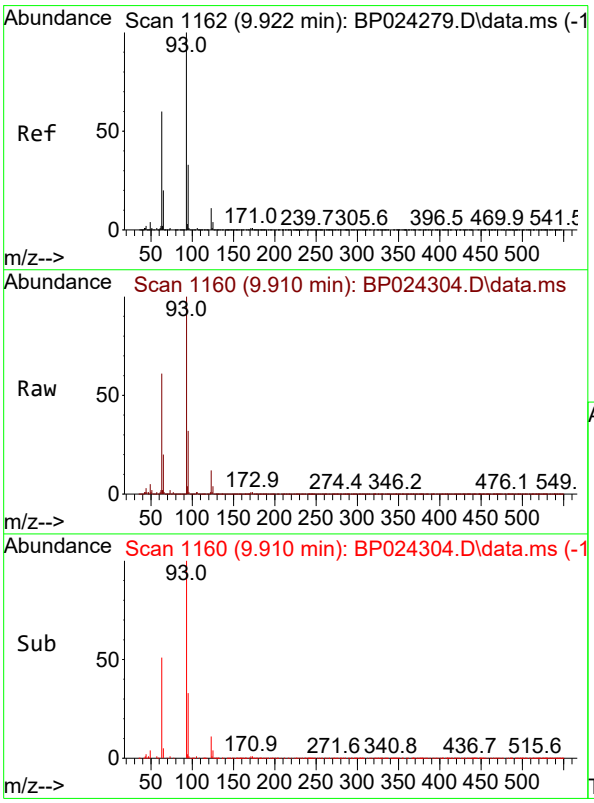
#27
2,4-Dimethylphenol
Concen: 39.877 ng
RT: 9.681 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 472990

Ion	Ratio	Lower	Upper
122	100		
107	116.1	93.7	140.5
121	59.5	48.2	72.2

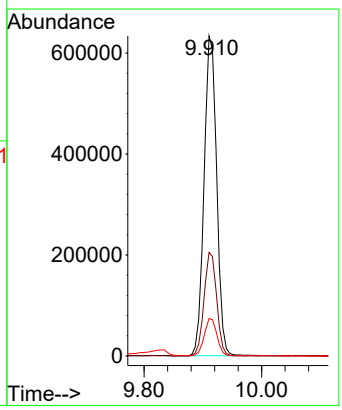


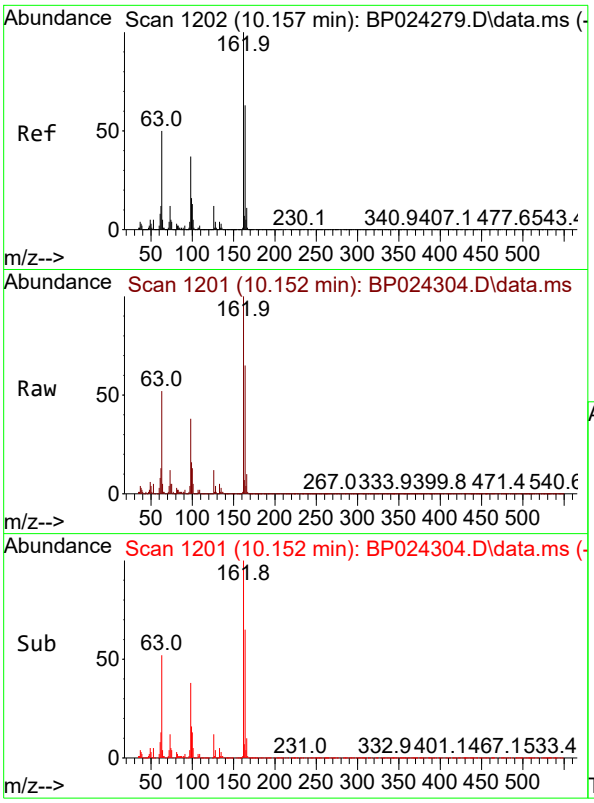


#28
bis(2-Chloroethoxy)methane
Concen: 39.608 ng
RT: 9.910 min Scan# 1160
Delta R.T. -0.012 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion: 93 Resp: 945045

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.0	39.0
123	11.7	9.1	13.7



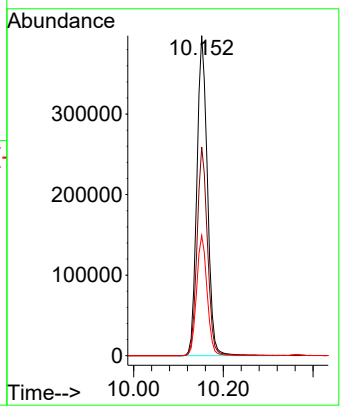


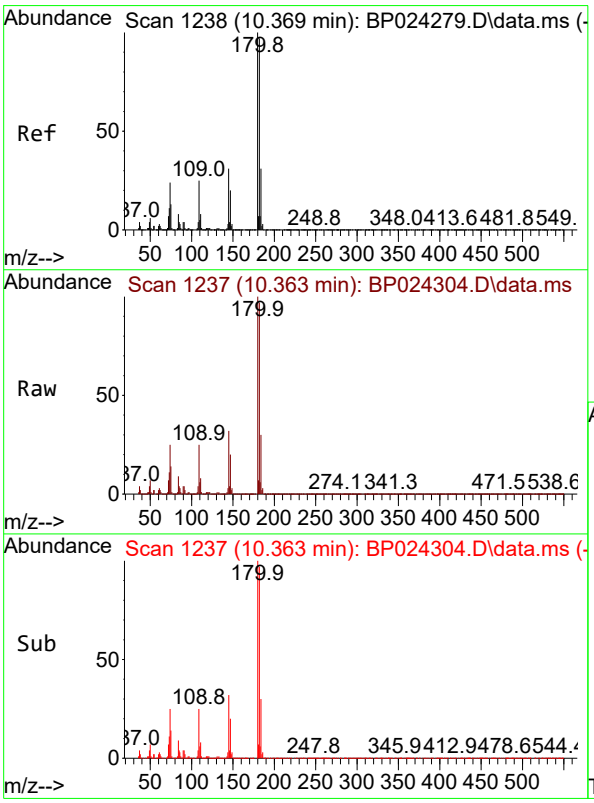
#29
2,4-Dichlorophenol
Concen: 40.084 ng
RT: 10.152 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 648273

Ion	Ratio	Lower	Upper
162	100		
164	65.2	43.3	83.3
98	37.5	16.6	56.6

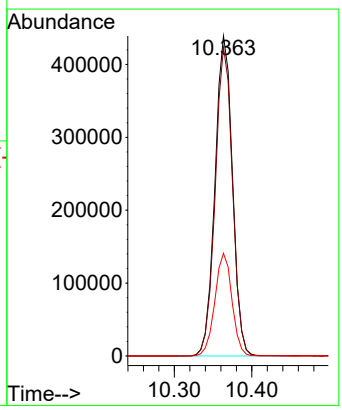


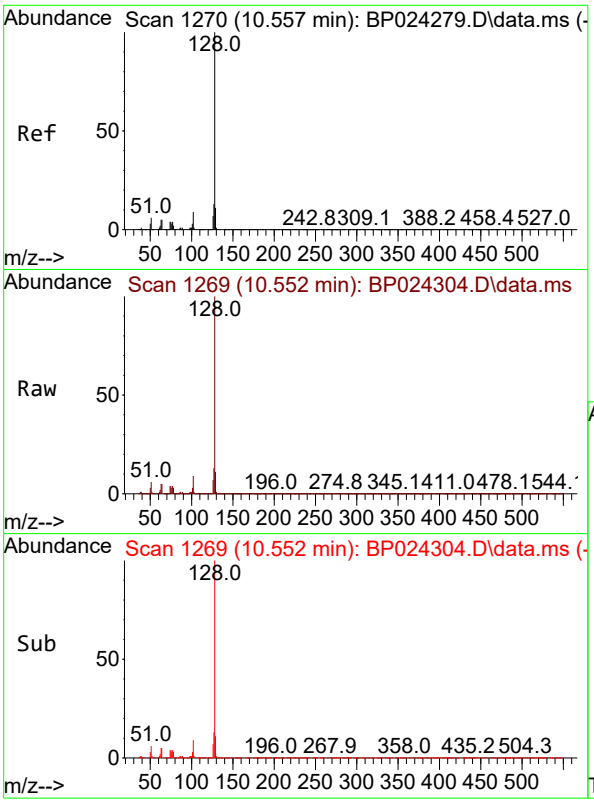


#30
1,2,4-Trichlorobenzene
Concen: 39.632 ng
RT: 10.363 min Scan# 1237
Delta R.T. -0.006 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:180 Resp: 686736

Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.3	115.9
145	32.1	25.1	37.7



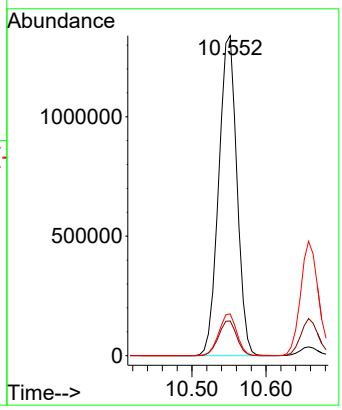


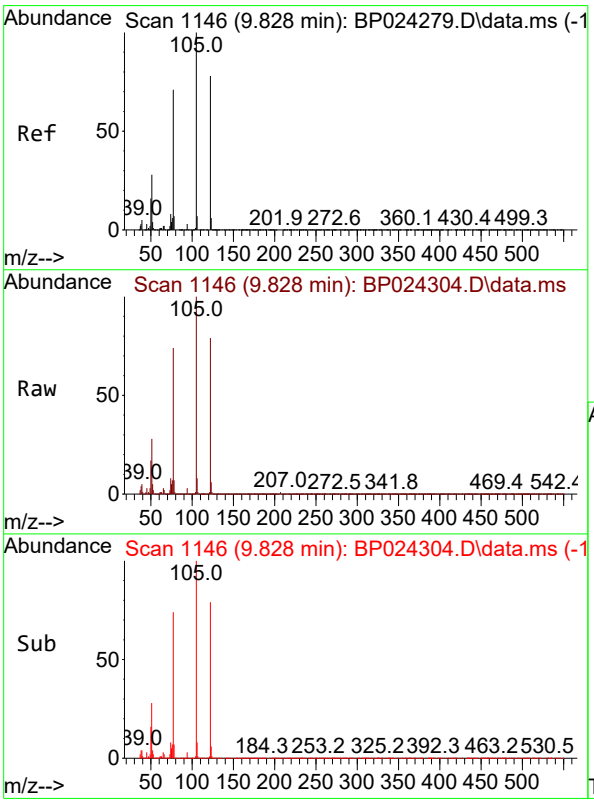
#31
Naphthalene
Concen: 39.011 ng
RT: 10.552 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 2286441

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.0	10.3	15.5

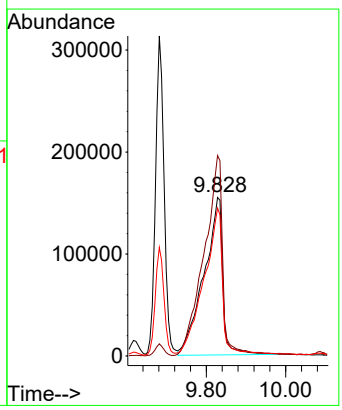


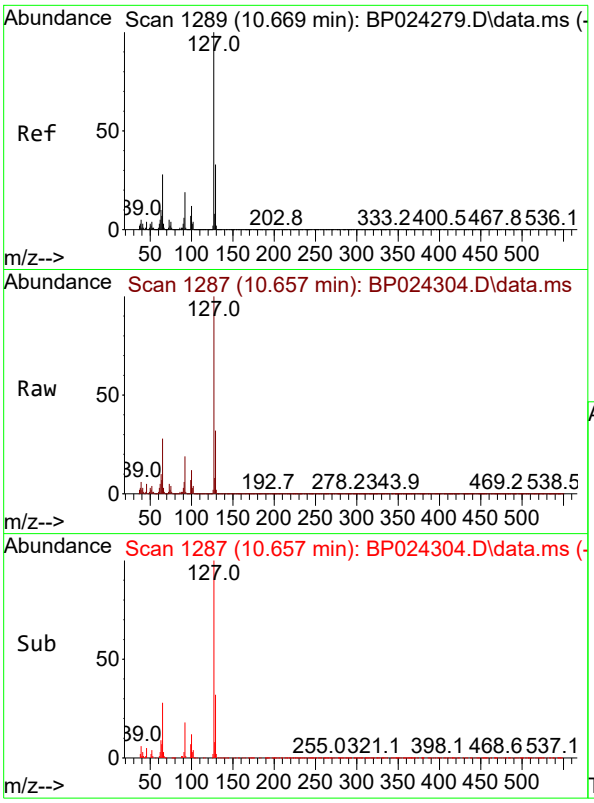


#32
Benzoic acid
Concen: 36.859 ng
RT: 9.828 min Scan# 1146
Delta R.T. -0.047 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:122 Resp: 509423

Ion	Ratio	Lower	Upper
122	100		
105	126.4	104.8	144.8
77	93.2	69.2	109.2



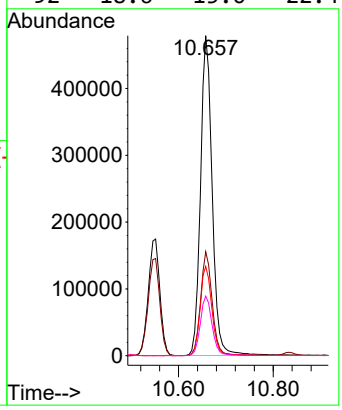


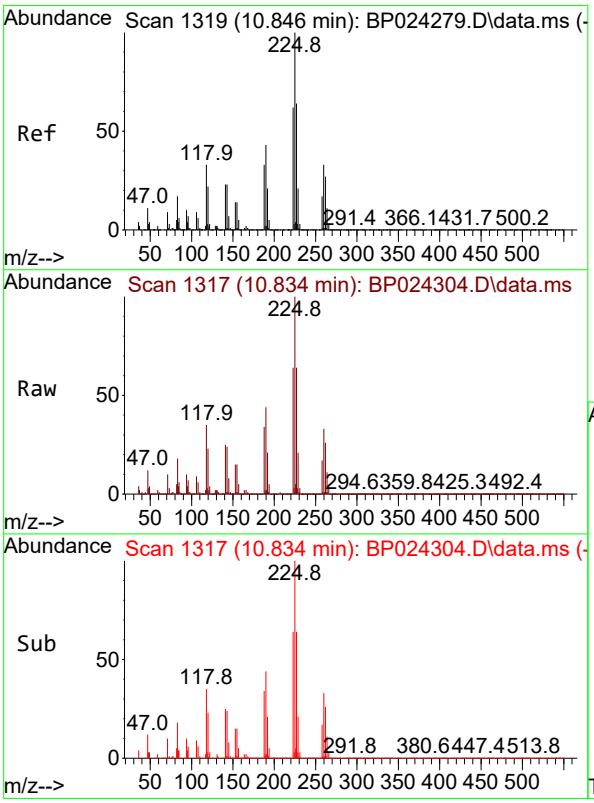
#33
4-Chloroaniline
Concen: 39.801 ng
RT: 10.657 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 821488

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.1	39.1
65	27.9	22.1	33.1
92	18.6	15.0	22.4

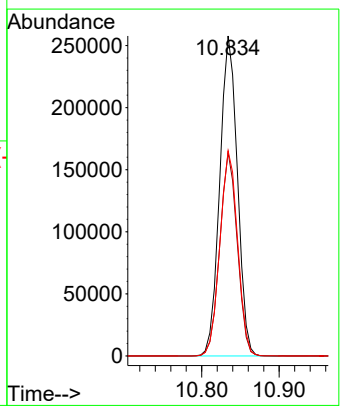


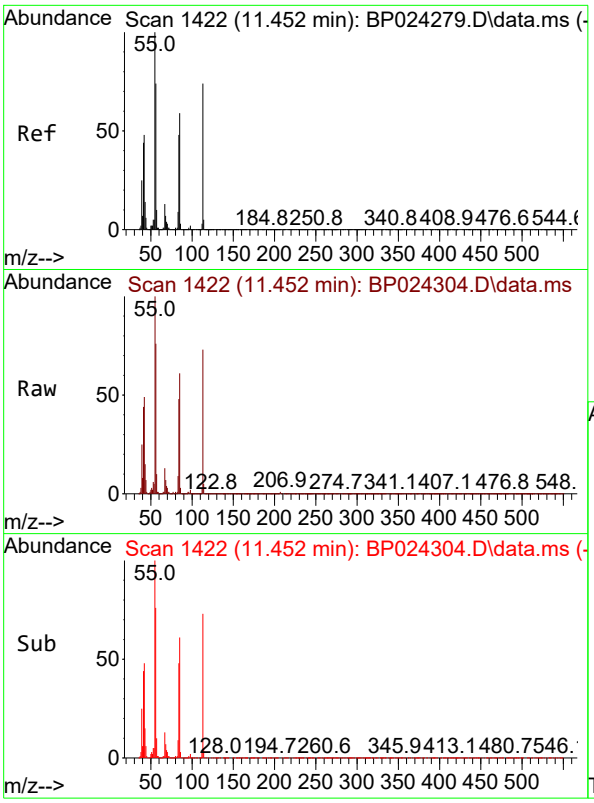


#34
Hexachlorobutadiene
Concen: 40.032 ng
RT: 10.834 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:225 Resp: 407618

Ion	Ratio	Lower	Upper
225	100		
223	63.6	49.5	74.3
227	64.1	50.9	76.3



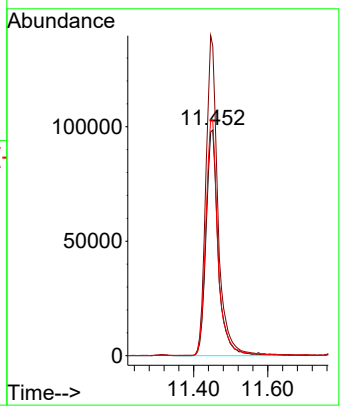


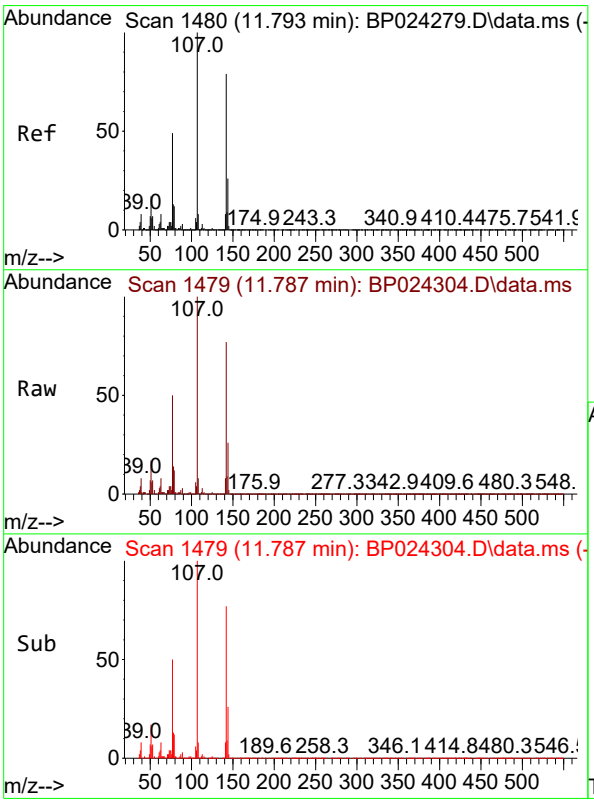
#35
Caprolactam
Concen: 37.720 ng
RT: 11.452 min Scan# 14
Delta R.T. -0.029 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 225091

Ion	Ratio	Lower	Upper
113	100		
55	137.2	115.9	155.9
56	104.4	81.1	121.1

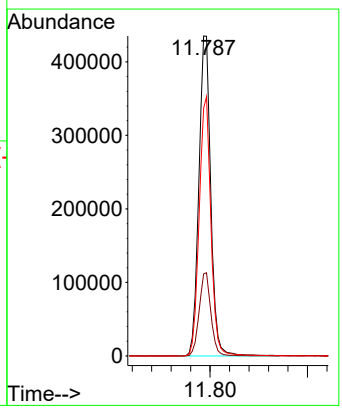


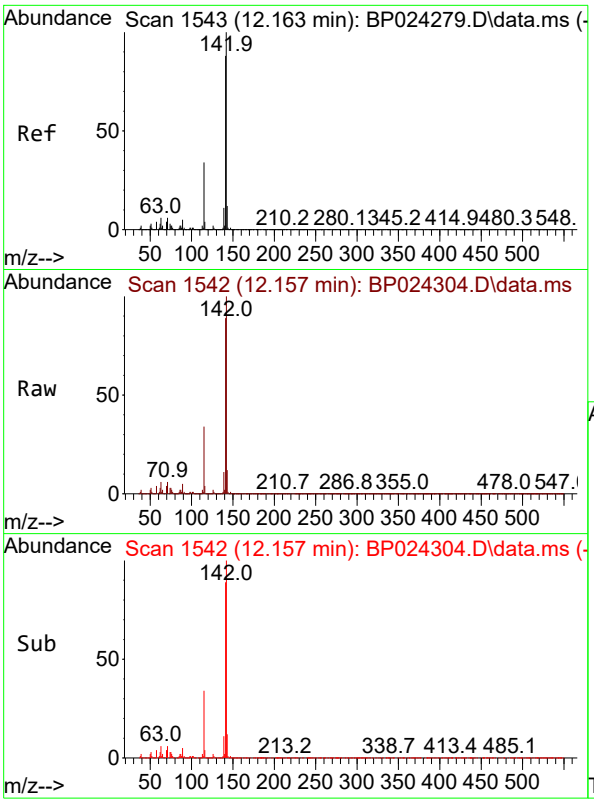


#36
4-Chloro-3-methylphenol
Concen: 39.342 ng
RT: 11.787 min Scan# 1479
Delta R.T. -0.017 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:107 Resp: 741102

Ion	Ratio	Lower	Upper
107	100		
144	25.7	20.5	30.7
142	77.4	63.4	95.2



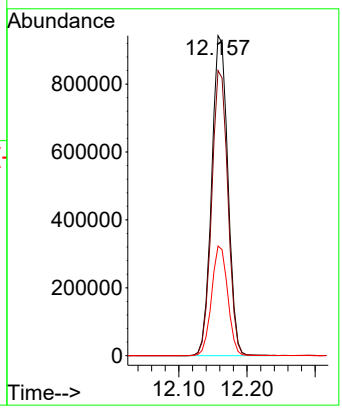


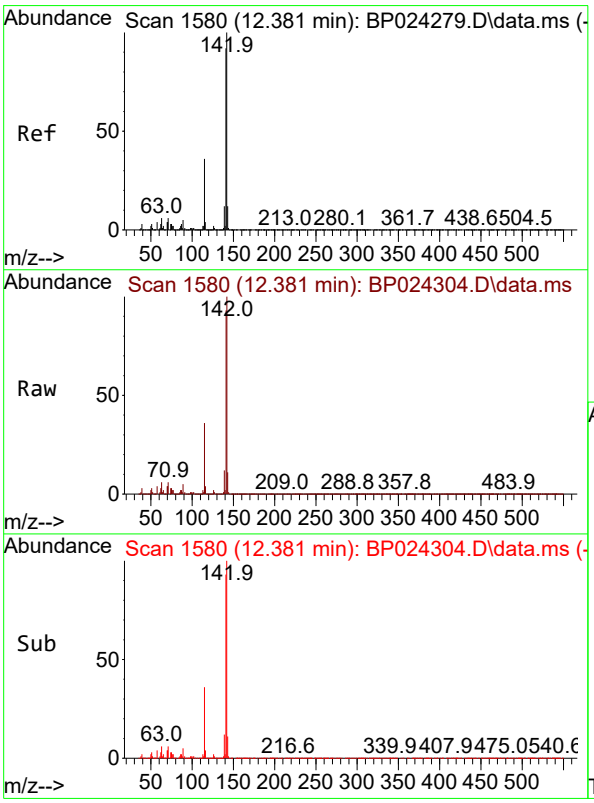
#37
2-Methylnaphthalene
Concen: 38.418 ng
RT: 12.157 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 1561603

Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.3	105.5
115	34.3	26.9	40.3

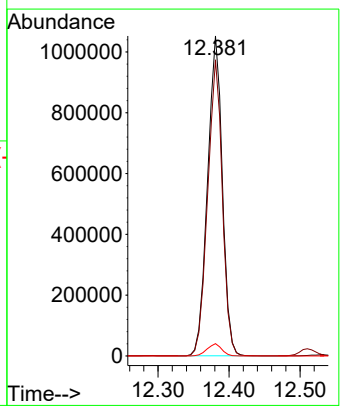


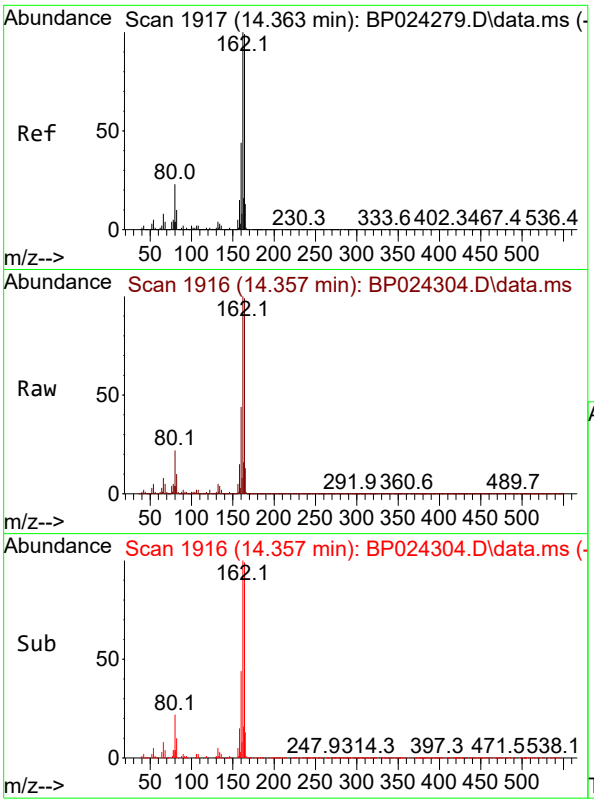


#38
1-Methylnaphthalene
Concen: 38.382 ng
RT: 12.381 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:142 Resp: 1526243

Ion	Ratio	Lower	Upper
142	100		
141	92.6	73.6	110.4
116	3.9	3.0	4.6



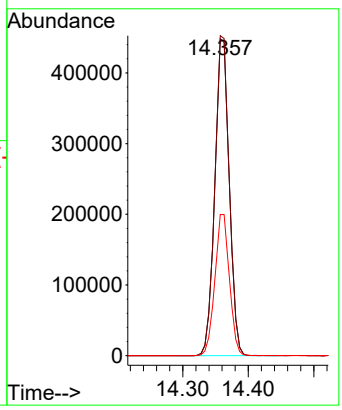


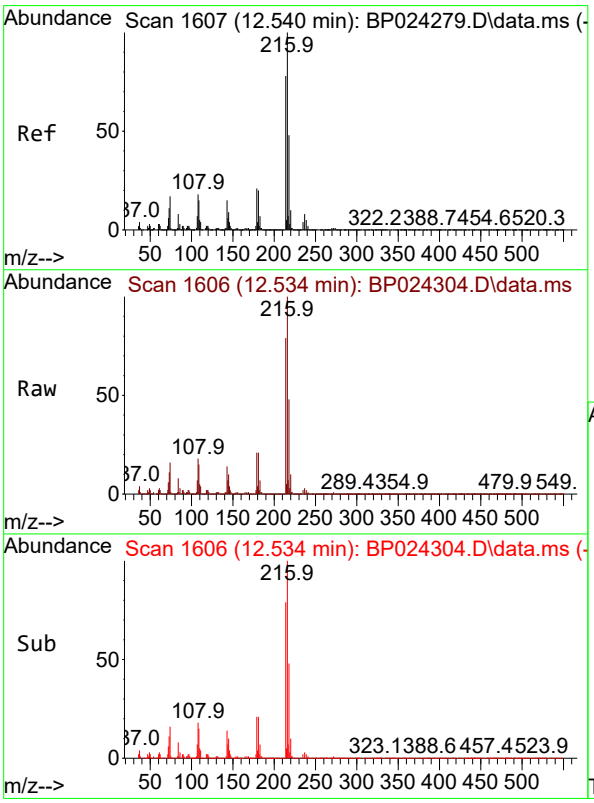
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.357 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 684984

Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.6	120.8
160	44.6	35.3	52.9

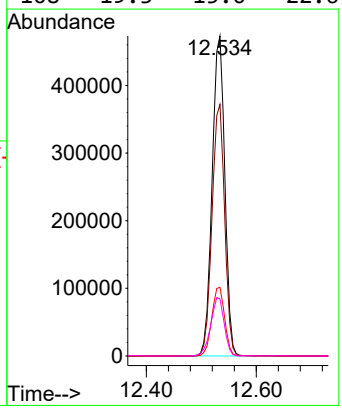


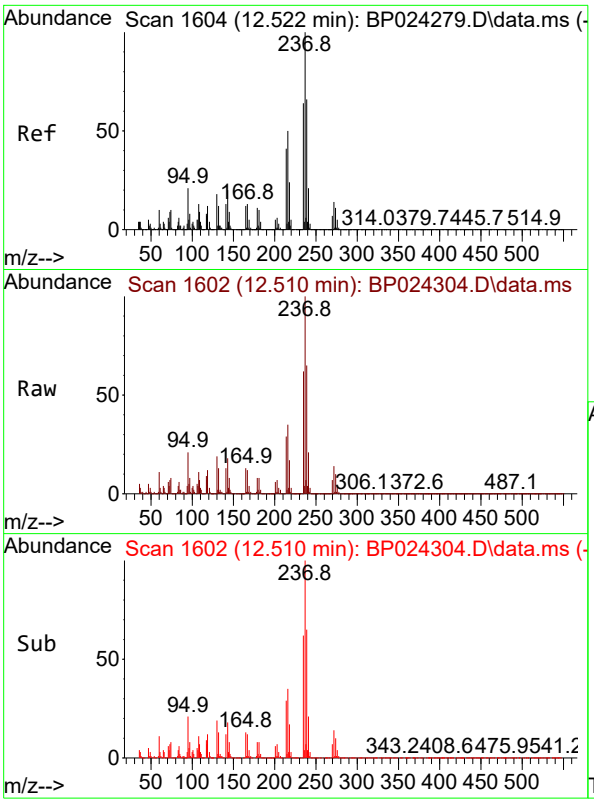


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.242 ng
RT: 12.534 min Scan# 1606
Delta R.T. -0.012 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:216 Resp: 758053

Ion	Ratio	Lower	Upper
216	100		
214	78.5	62.6	93.8
179	21.7	17.2	25.8
108	19.3	15.0	22.6



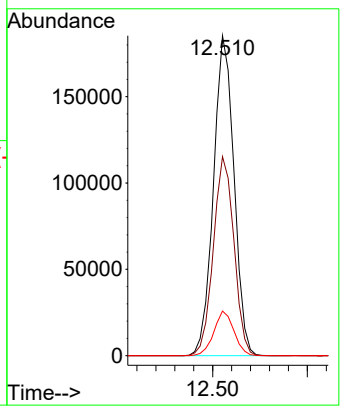


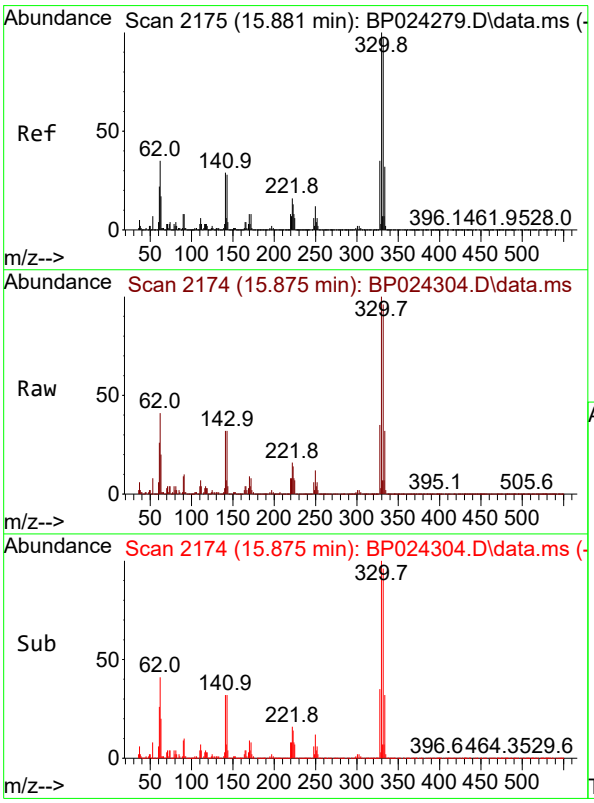
#41
Hexachlorocyclopentadiene
Concen: 41.806 ng
RT: 12.510 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 278520

Ion	Ratio	Lower	Upper
237	100		
235	62.2	43.9	83.9
272	14.0	0.0	33.6

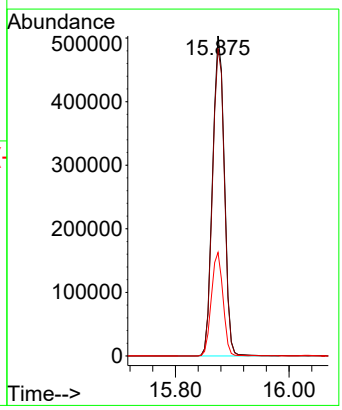


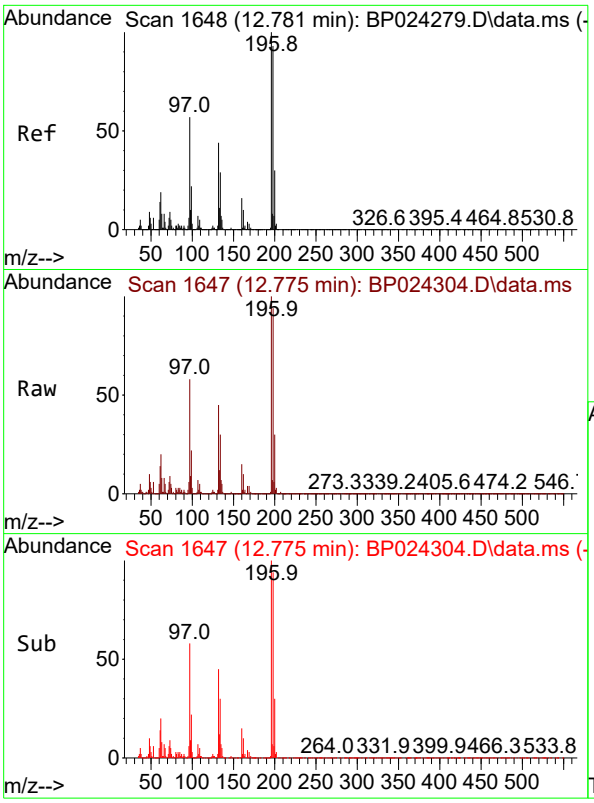


#42
2,4,6-Tribromophenol
Concen: 76.444 ng
RT: 15.875 min Scan# 2174
Delta R.T. -0.017 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:330 Resp: 724472

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.1	115.7
141	31.8	24.7	37.1



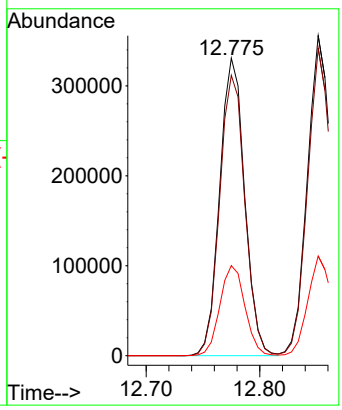


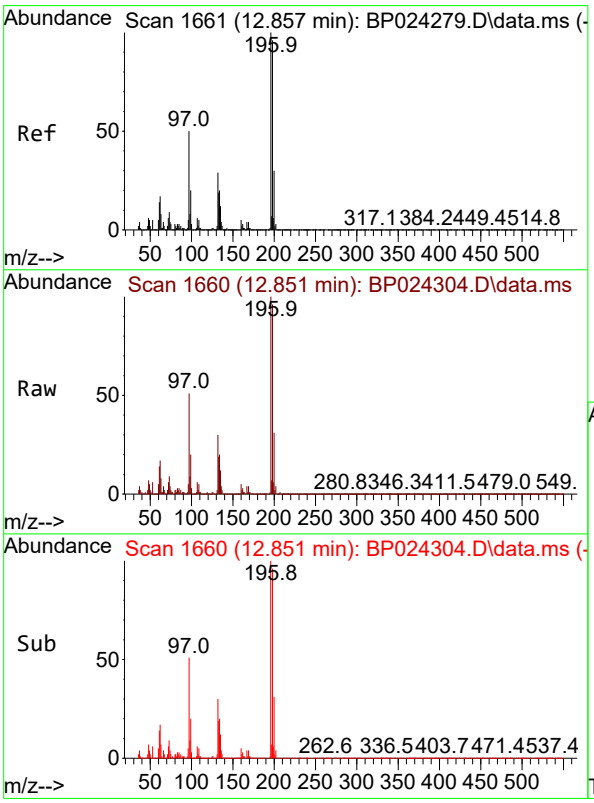
#43
2,4,6-Trichlorophenol
Concen: 40.367 ng
RT: 12.775 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 505554

Ion	Ratio	Lower	Upper
196	100		
198	94.2	74.3	111.5
200	30.3	24.0	36.0

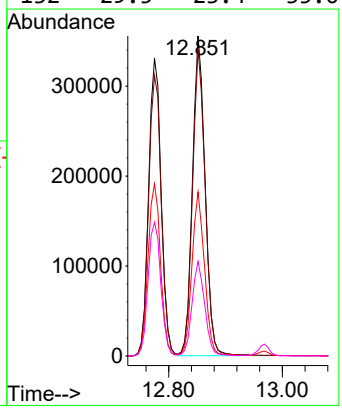


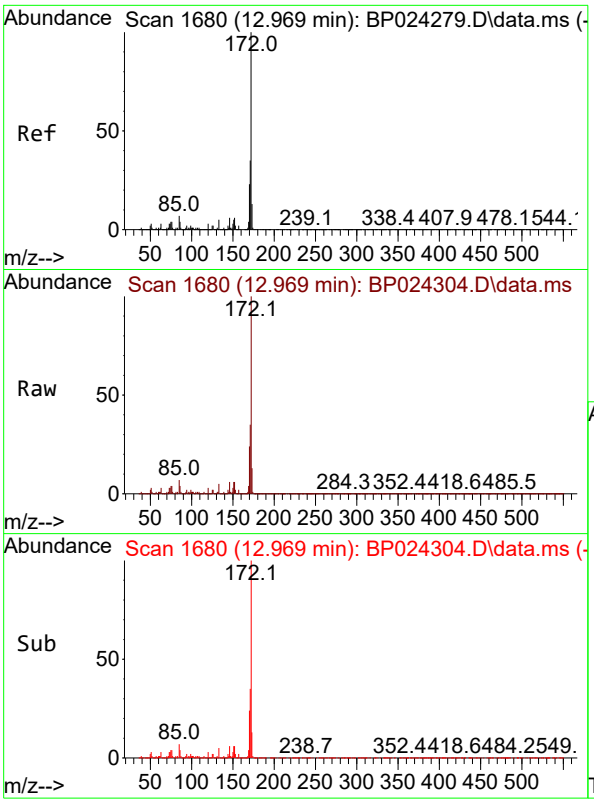


#44
2,4,5-Trichlorophenol
Concen: 39.847 ng
RT: 12.851 min Scan# 1660
Delta R.T. -0.017 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:196 Resp: 552625

Ion	Ratio	Lower	Upper
196	100		
198	96.1	77.3	115.9
97	51.2	40.4	60.6
132	29.5	23.4	35.0



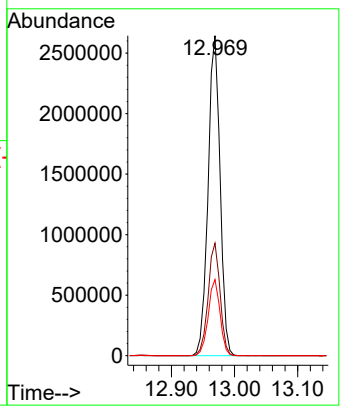


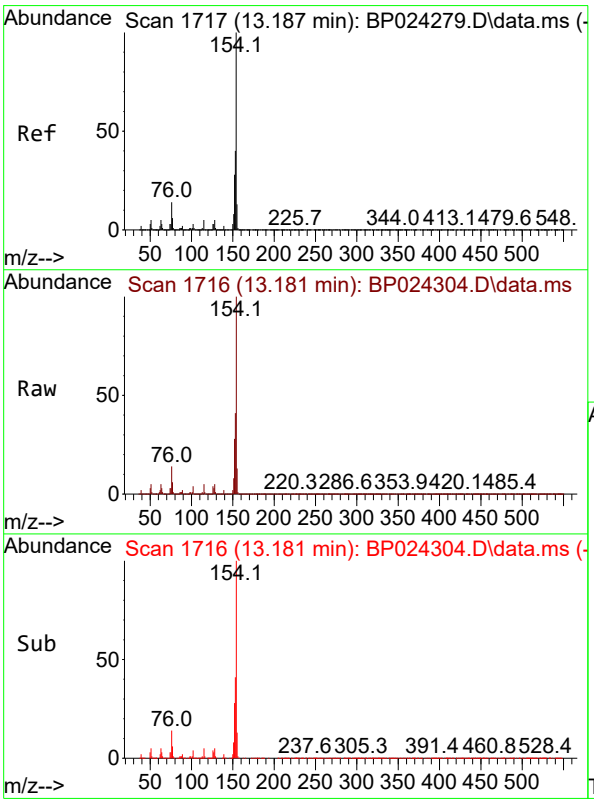
#45
2-Fluorobiphenyl
Concen: 77.799 ng
RT: 12.969 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 3480531

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.2
170	23.8	18.6	27.8

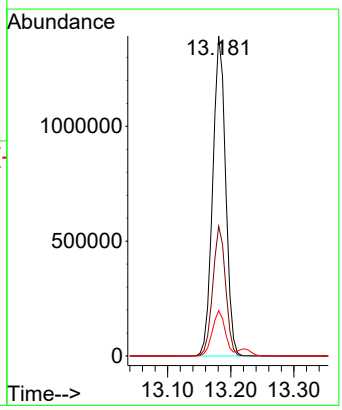


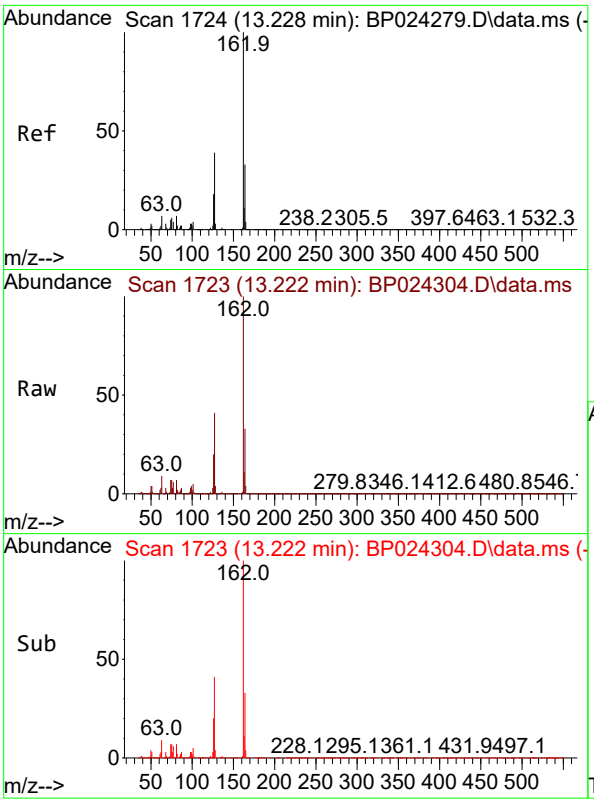


#46
1,1'-Biphenyl
Concen: 39.142 ng
RT: 13.181 min Scan# 1716
Delta R.T. -0.017 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:154 Resp: 1970817

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.3	60.3
76	14.1	0.0	33.5



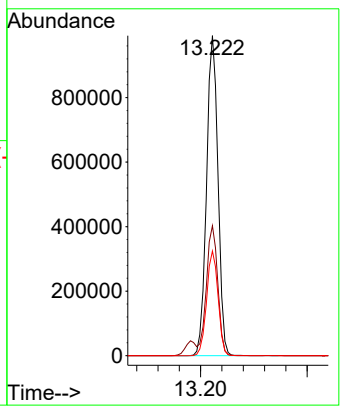


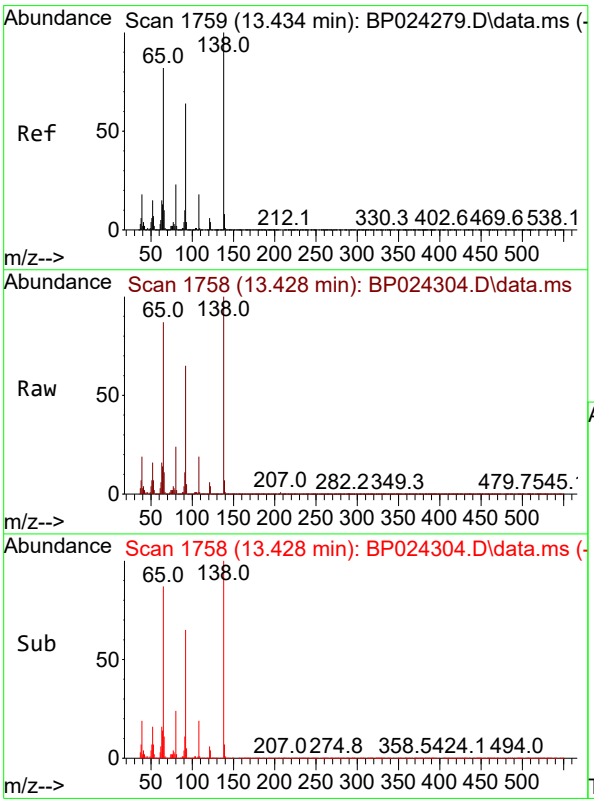
#47
2-Chloronaphthalene
Concen: 39.229 ng
RT: 13.222 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 1476233

Ion	Ratio	Lower	Upper
162	100		
127	40.6	31.9	47.9
164	32.7	26.2	39.4

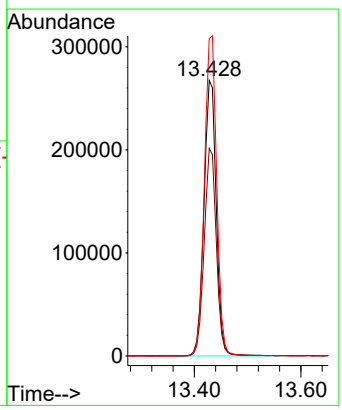


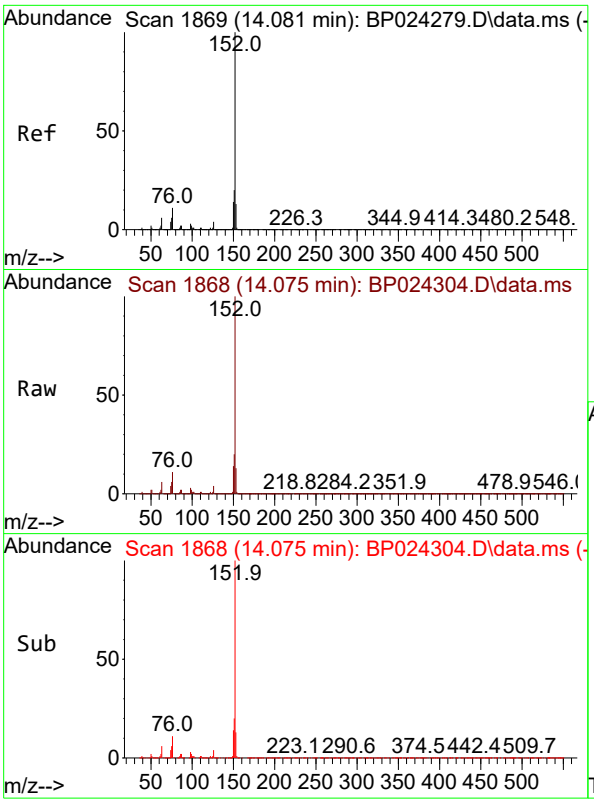


#48
2-Nitroaniline
Concen: 40.573 ng
RT: 13.428 min Scan# 1758
Delta R.T. -0.017 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion: 65 Resp: 428269

Ion	Ratio	Lower	Upper
65	100		
92	75.3	62.3	93.5
138	115.2	97.2	145.8



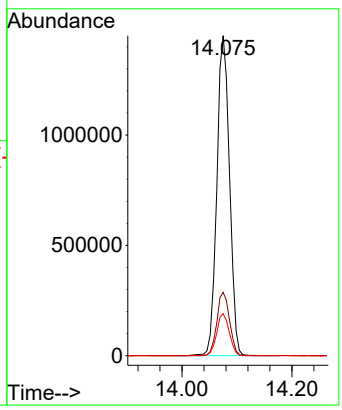


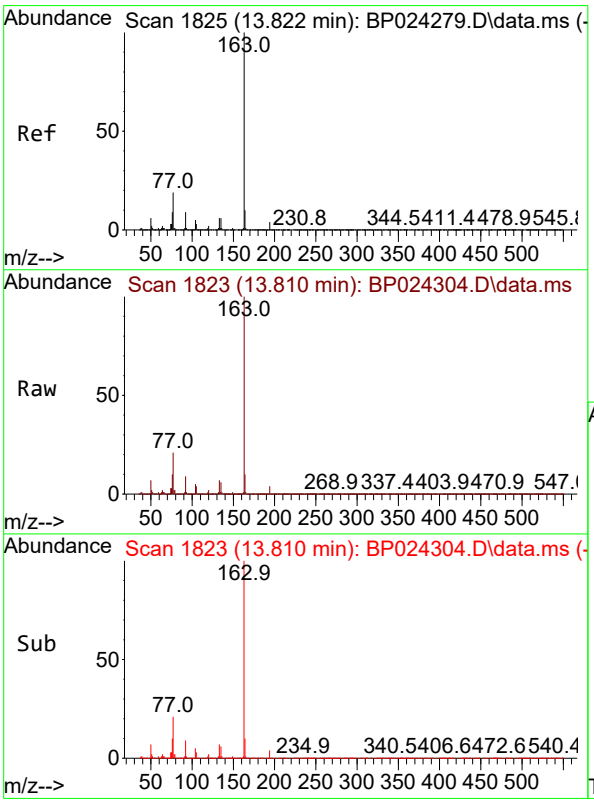
#49
Acenaphthylene
Concen: 39.133 ng
RT: 14.075 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 2318531

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	13.1	10.6	15.8

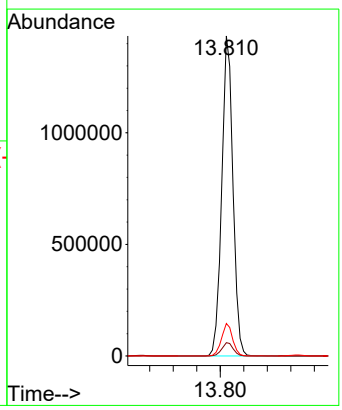


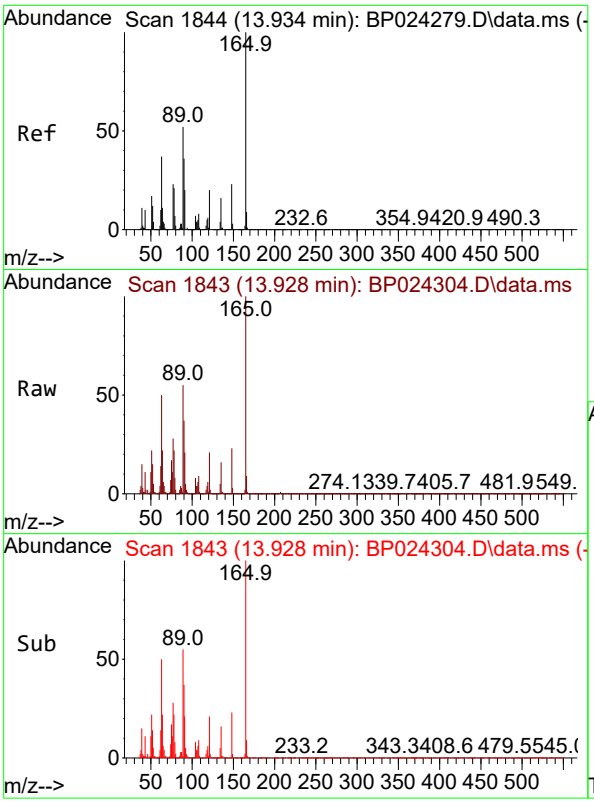


#50
Dimethylphthalate
Concen: 38.027 ng
RT: 13.810 min Scan# 1823
Delta R.T. -0.023 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:163 Resp: 1894273

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.5	5.3
164	10.2	8.0	12.0



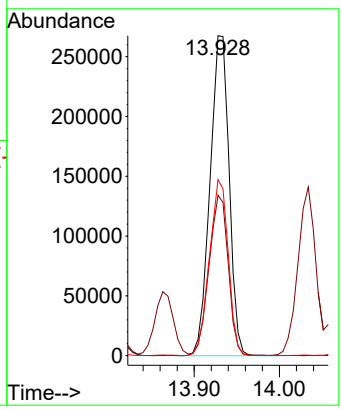


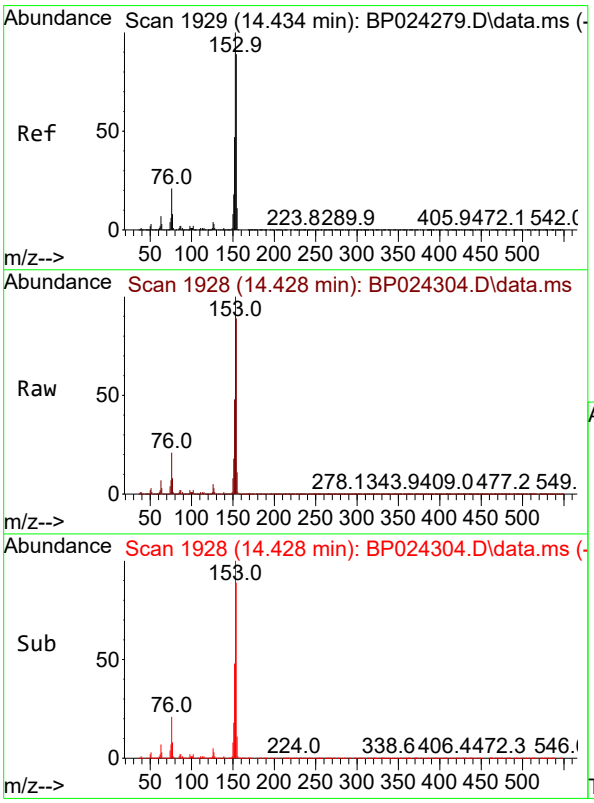
#51
2,6-Dinitrotoluene
Concen: 39.322 ng
RT: 13.928 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 415939

Ion	Ratio	Lower	Upper
165	100		
63	50.1	38.0	57.0
89	55.0	41.7	62.5

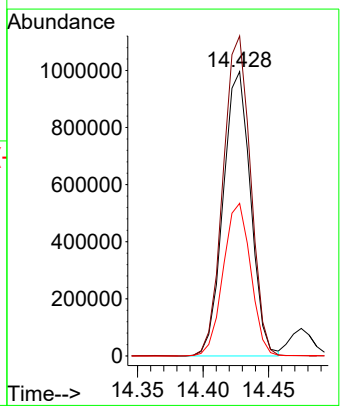


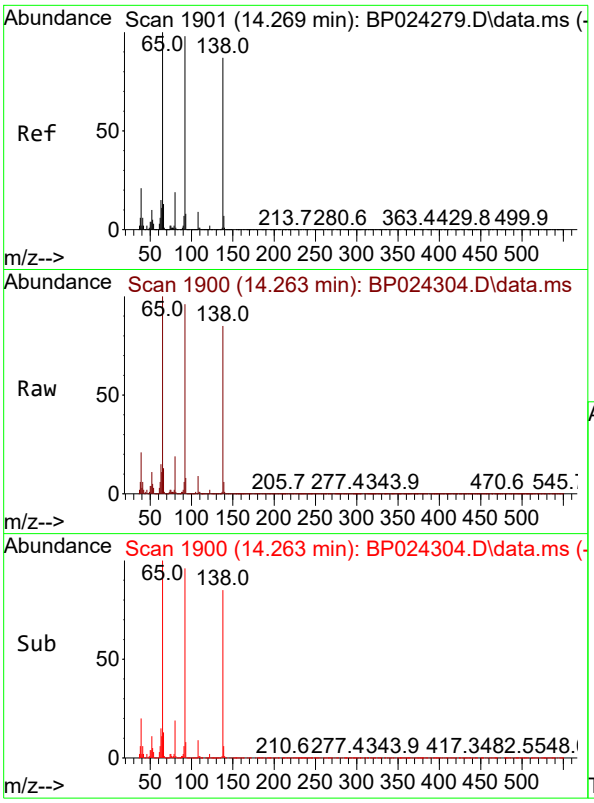


#52
Acenaphthene
Concen: 38.553 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.012 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:154 Resp: 1448088

Ion	Ratio	Lower	Upper
154	100		
153	112.6	89.8	134.6
152	53.7	42.6	63.8



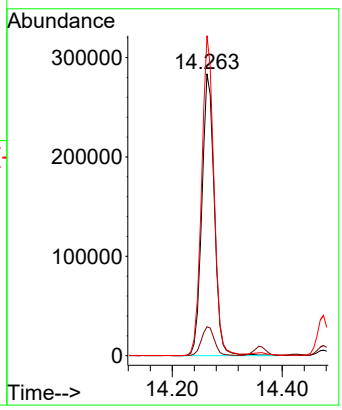


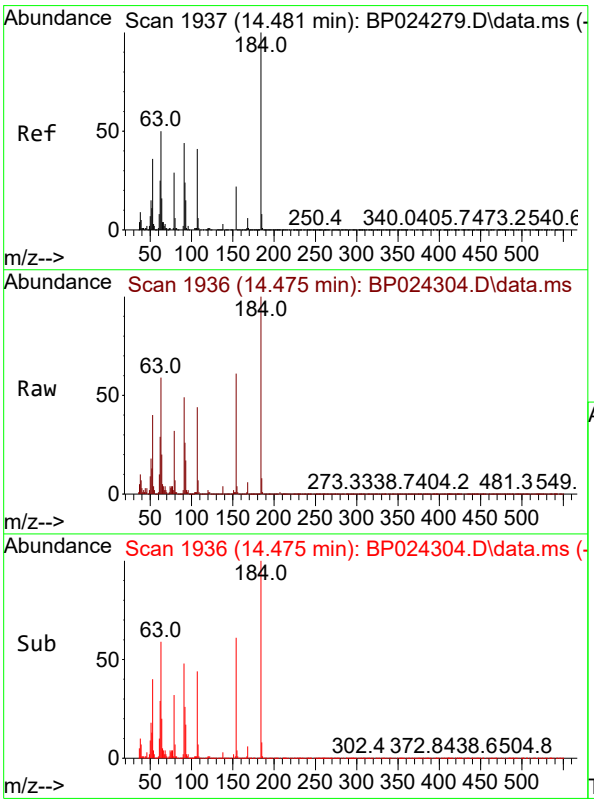
#53
3-Nitroaniline
Concen: 39.962 ng
RT: 14.263 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 444273

Ion	Ratio	Lower	Upper
138	100		
108	10.3	8.3	12.5
92	113.5	89.8	134.8

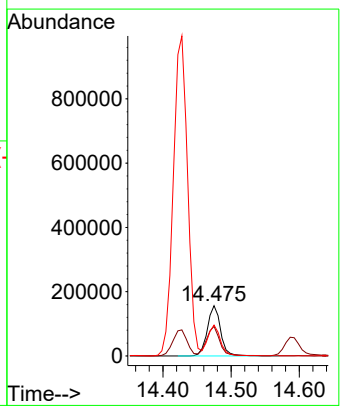


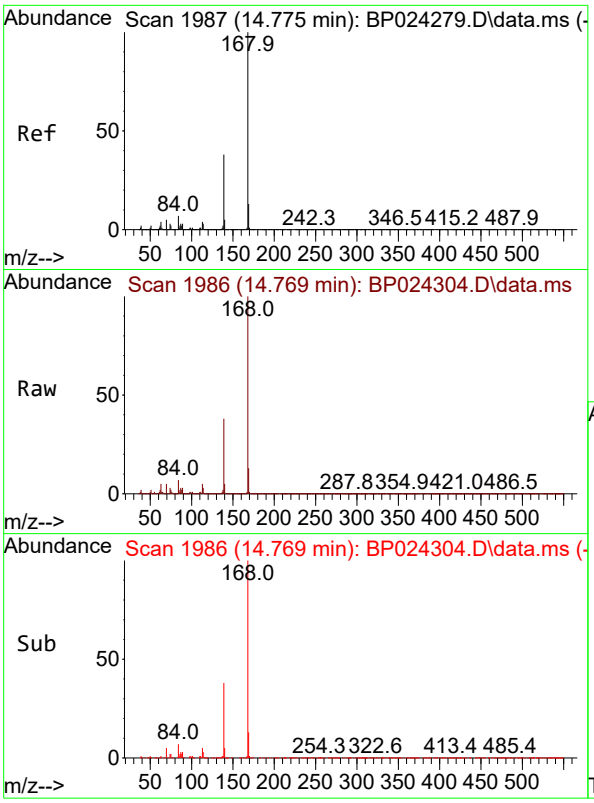


#54
2,4-Dinitrophenol
Concen: 34.091 ng
RT: 14.475 min Scan# 1936
Delta R.T. -0.017 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:184 Resp: 212415

Ion	Ratio	Lower	Upper
184	100		
63	59.0	42.6	64.0
154	61.5	47.2	70.8



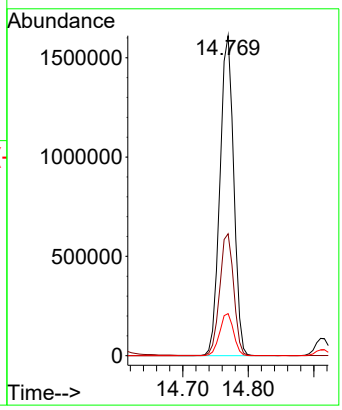


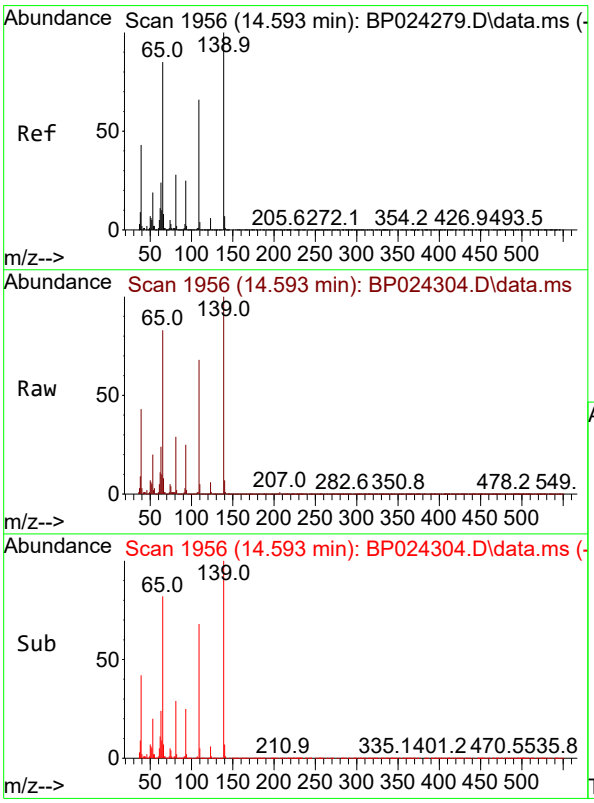
#55
Dibenzofuran
Concen: 38.155 ng
RT: 14.769 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 2342583

Ion	Ratio	Lower	Upper
168	100		
139	38.1	30.3	45.5
169	13.1	10.6	16.0

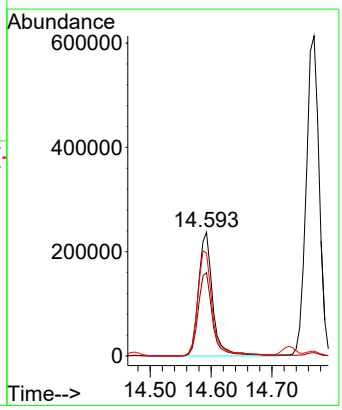


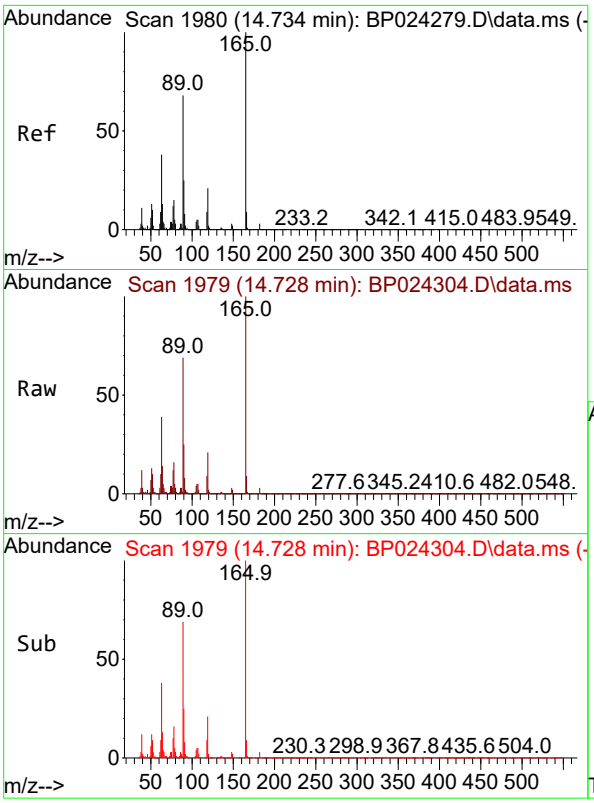


#56
4-Nitrophenol
Concen: 40.035 ng
RT: 14.593 min Scan# 1956
Delta R.T. -0.012 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:139 Resp: 384396

Ion	Ratio	Lower	Upper
139	100		
109	67.5	46.1	86.1
65	83.3	65.0	105.0



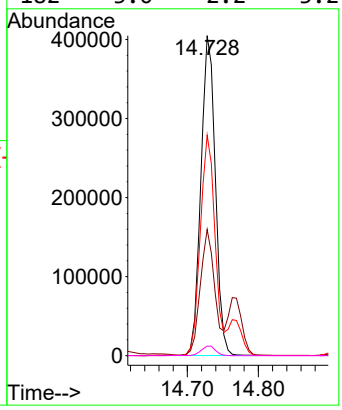


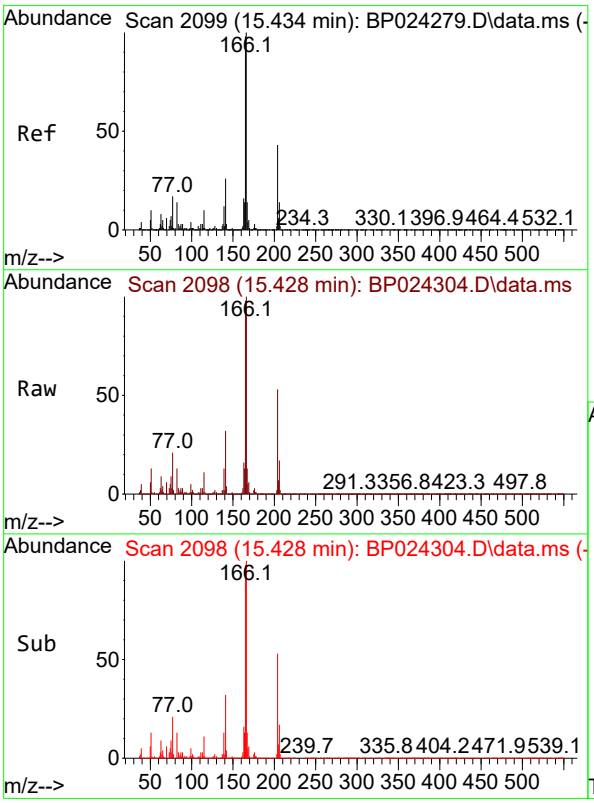
#57
2,4-Dinitrotoluene
Concen: 39.748 ng
RT: 14.728 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 573535

Ion	Ratio	Lower	Upper
165	100		
63	39.4	30.4	45.6
89	68.9	54.6	82.0
182	3.0	2.2	3.2

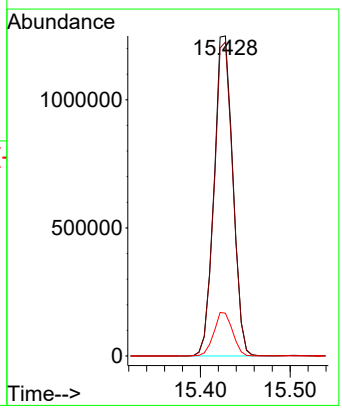


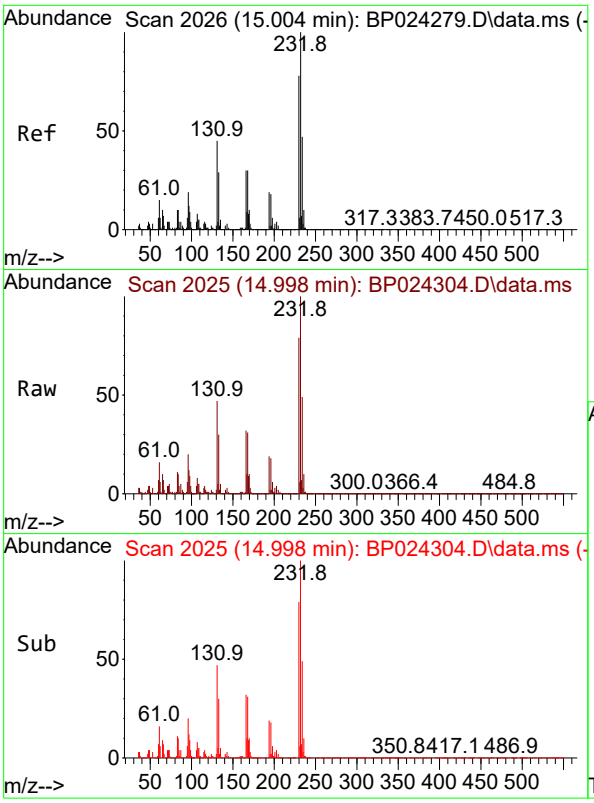


#58
Fluorene
Concen: 38.207 ng
RT: 15.428 min Scan# 2098
Delta R.T. -0.012 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:166 Resp: 1815901

Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.1	117.1
167	13.3	10.9	16.3



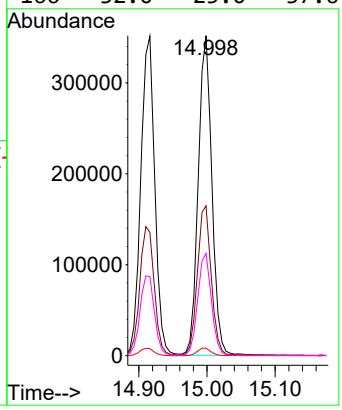


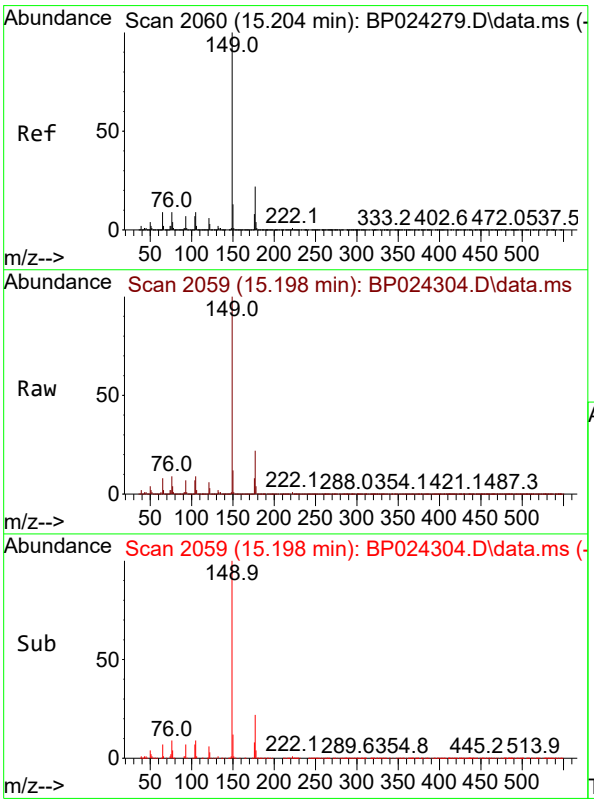
#59
2,3,4,6-Tetrachlorophenol
Concen: 38.286 ng
RT: 14.998 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 489728

Ion	Ratio	Lower	Upper
232	100		
131	47.6	36.8	55.2
130	2.5	1.9	2.9
166	32.0	25.0	37.6

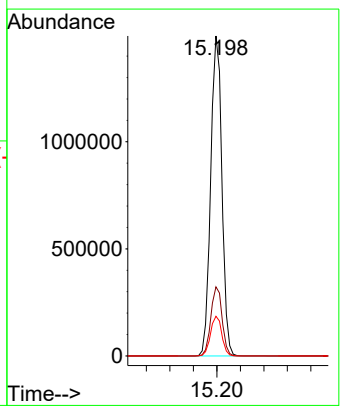


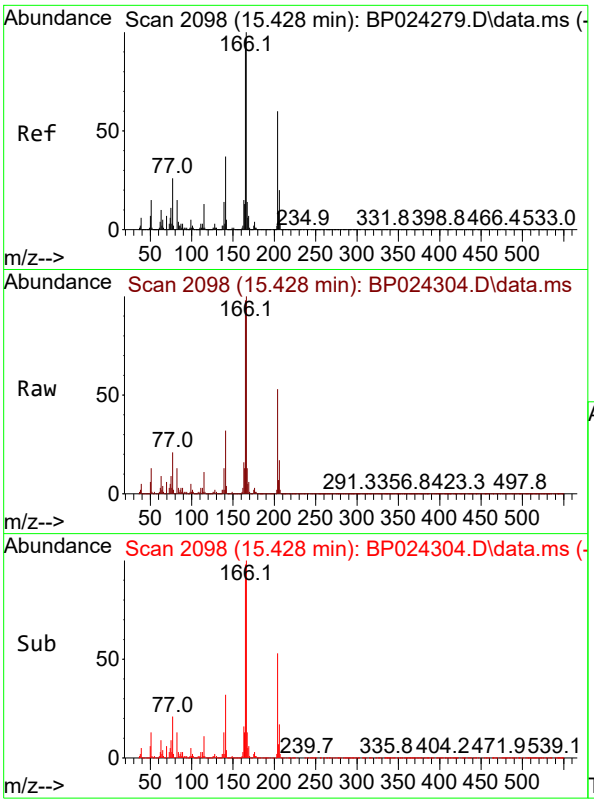


#60
Diethylphthalate
Concen: 38.476 ng
RT: 15.198 min Scan# 2059
Delta R.T. -0.023 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:149 Resp: 1975103

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.4	26.2
150	12.4	10.1	15.1



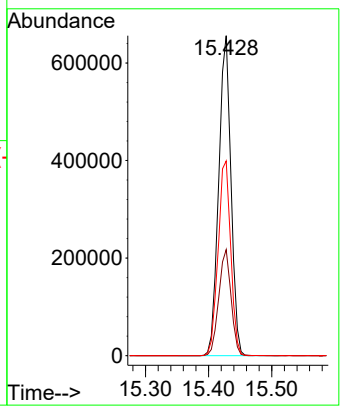


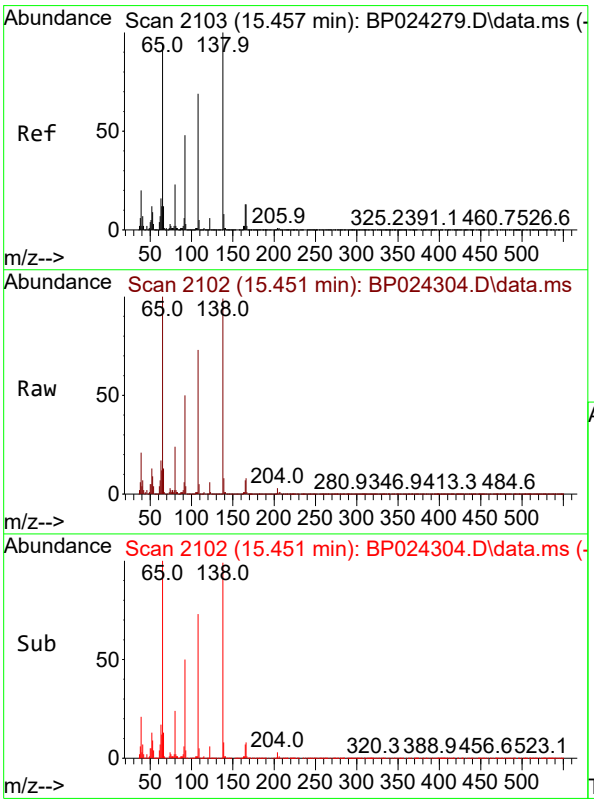
#61
4-Chlorophenyl-phenylether
Concen: 38.384 ng
RT: 15.428 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 885891

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.5	39.7
141	60.9	49.4	74.0

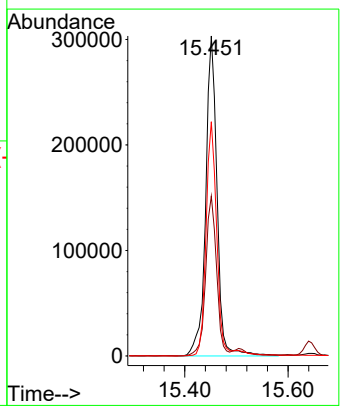


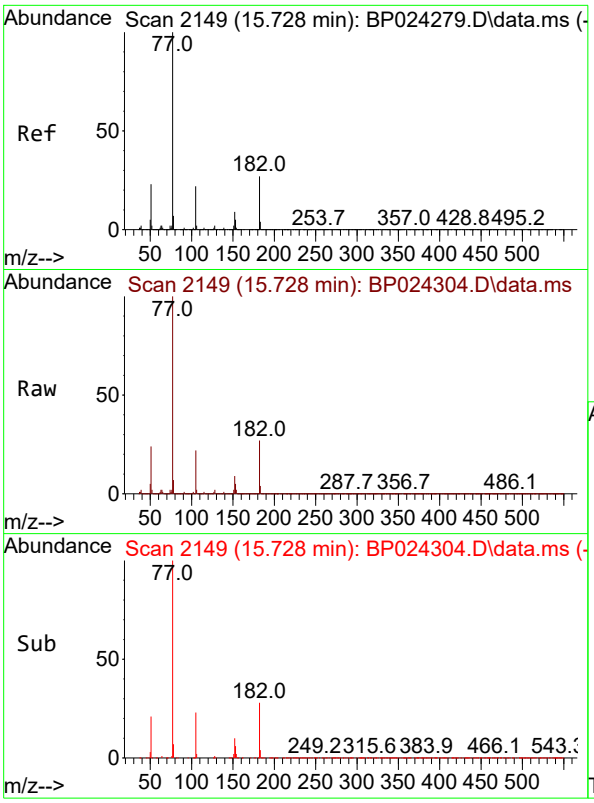


#62
4-Nitroaniline
Concen: 39.355 ng
RT: 15.451 min Scan# 2102
Delta R.T. -0.017 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:138 Resp: 463166

Ion	Ratio	Lower	Upper
138	100		
92	50.0	27.8	67.8
108	73.2	48.9	88.9



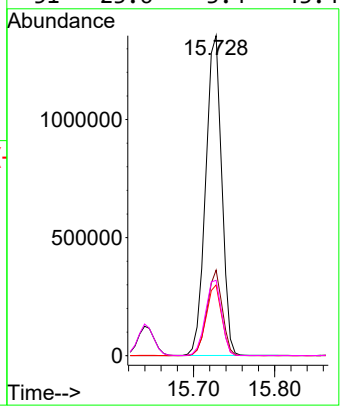


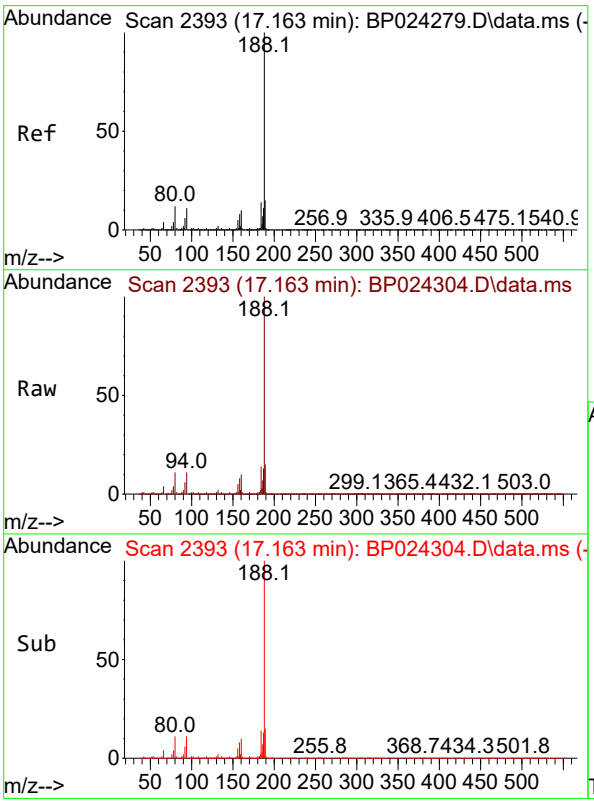
#63
Azobenzene
Concen: 39.342 ng
RT: 15.728 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 1856240

Ion	Ratio	Lower	Upper
77	100		
182	26.8	7.3	47.3
105	22.1	2.3	42.3
51	23.6	3.4	43.4

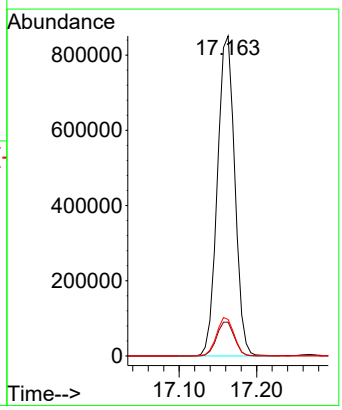


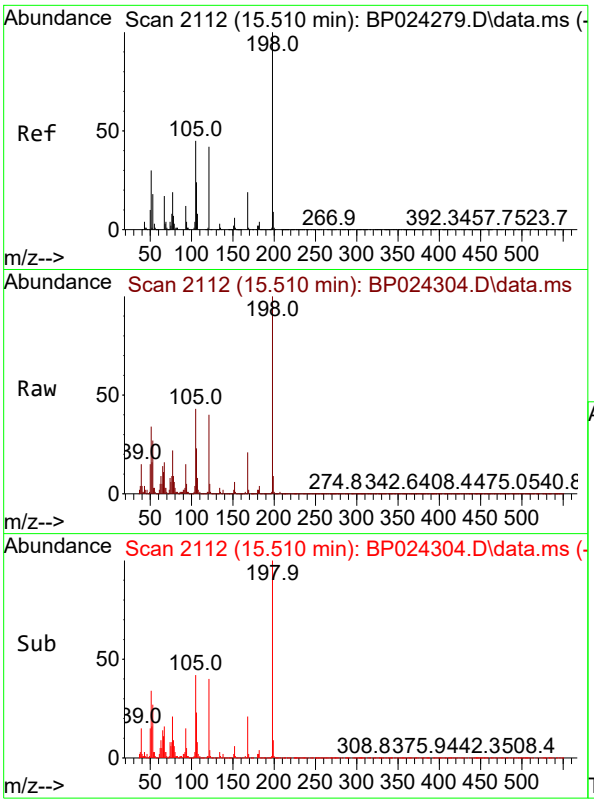


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2393
Delta R.T. -0.017 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:188 Resp: 1326066

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



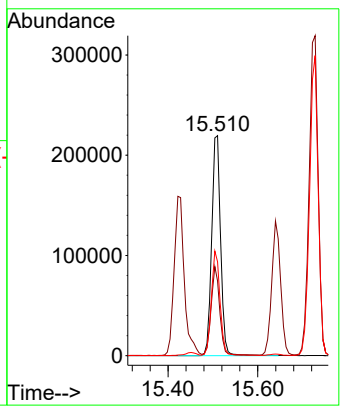


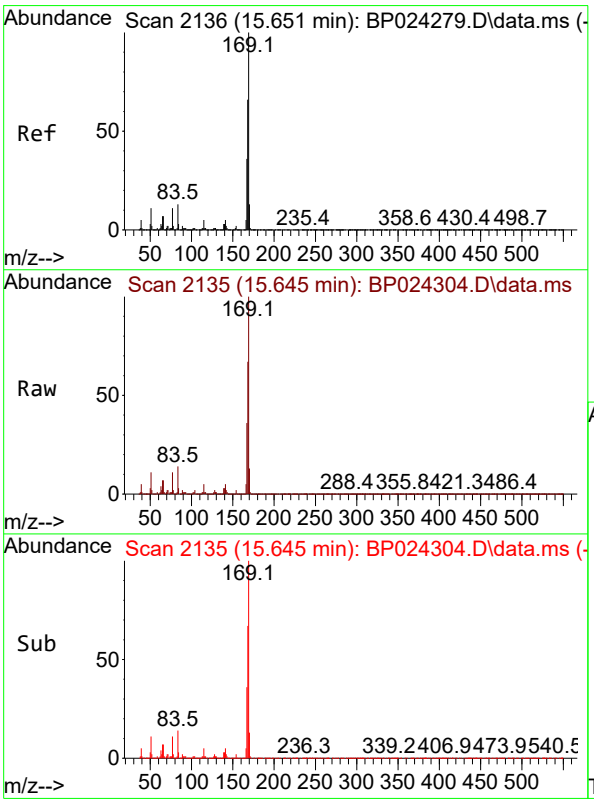
#65
4,6-Dinitro-2-methylphenol
Concen: 36.039 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 301302

Ion	Ratio	Lower	Upper
198	100		
51	34.0	18.4	58.4
105	42.7	26.5	66.5

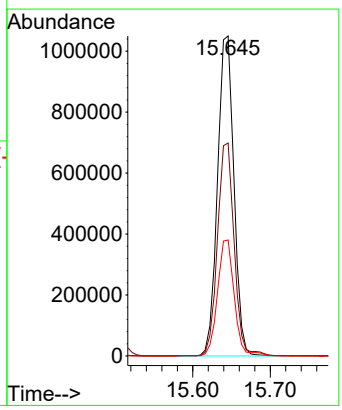


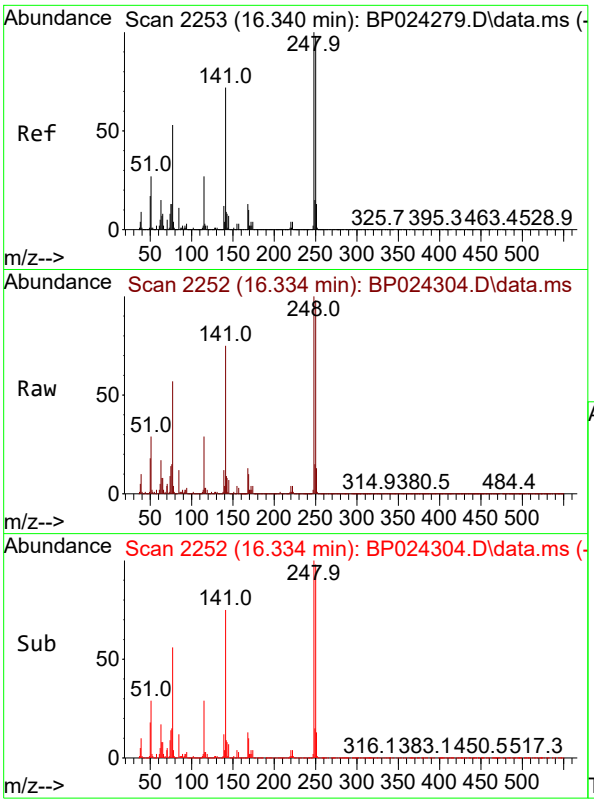


#66
n-Nitrosodiphenylamine
Concen: 38.938 ng
RT: 15.645 min Scan# 2135
Delta R.T. -0.012 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:169 Resp: 1541168

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.0	79.4
167	36.2	28.9	43.3



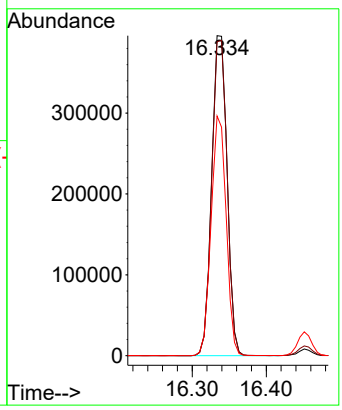


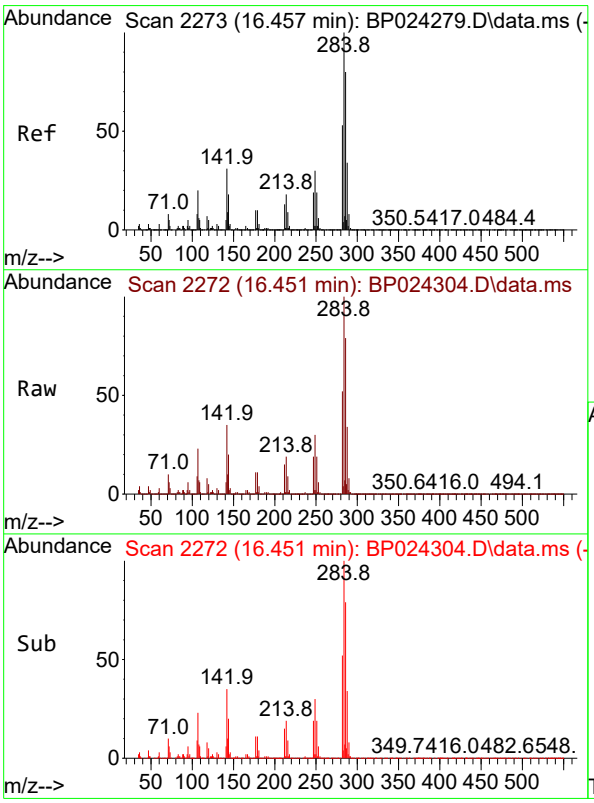
#67
4-Bromophenyl-phenylether
Concen: 39.285 ng
RT: 16.334 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 569742

Ion	Ratio	Lower	Upper
248	100		
250	98.1	78.2	117.4
141	74.9	57.7	86.5

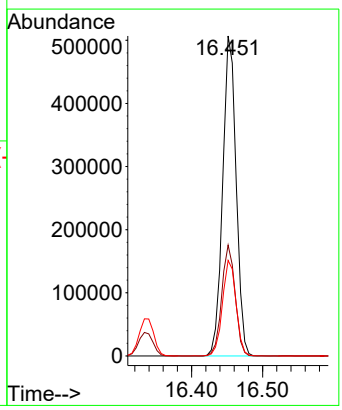


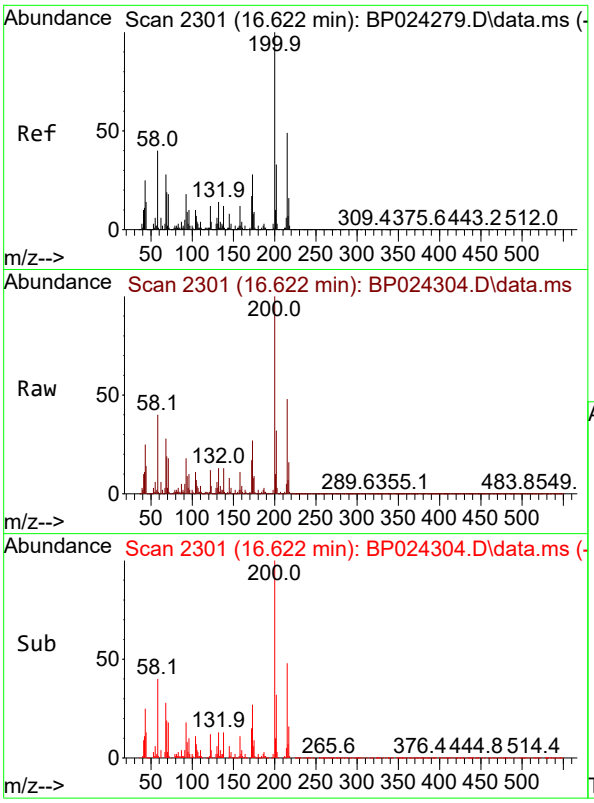


#68
Hexachlorobenzene
Concen: 38.524 ng
RT: 16.451 min Scan# 2272
Delta R.T. -0.017 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:284 Resp: 663902

Ion	Ratio	Lower	Upper
284	100		
142	34.7	24.6	37.0
249	29.9	23.8	35.6



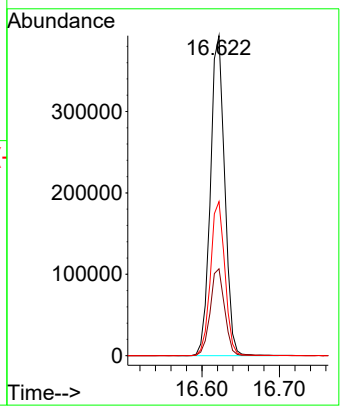


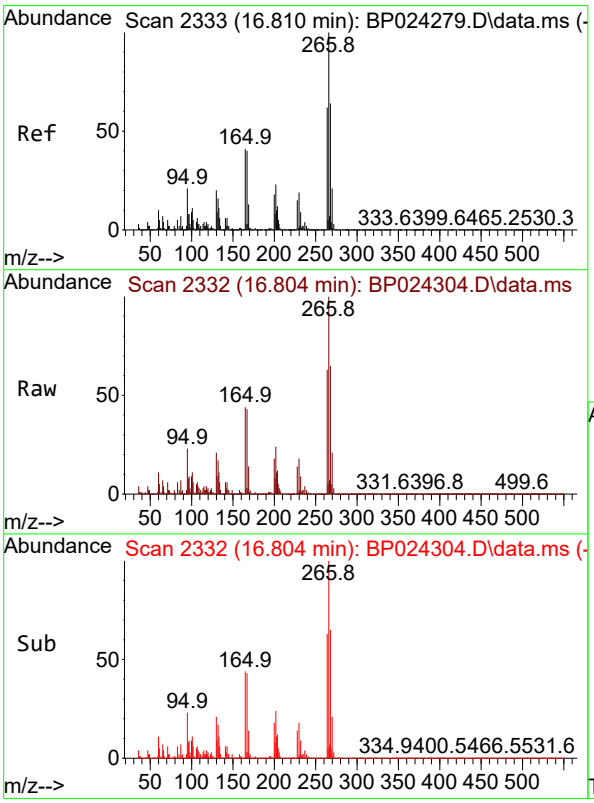
#69
Atrazine
Concen: 49.965 ng
RT: 16.622 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 503679

Ion	Ratio	Lower	Upper
200	100		
173	27.2	7.5	47.5
215	48.1	28.8	68.8

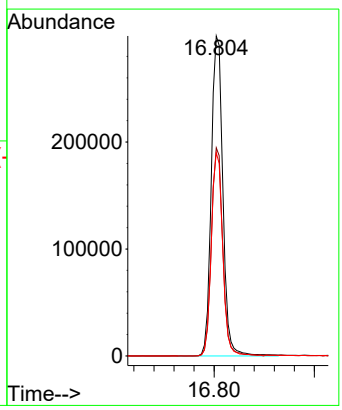


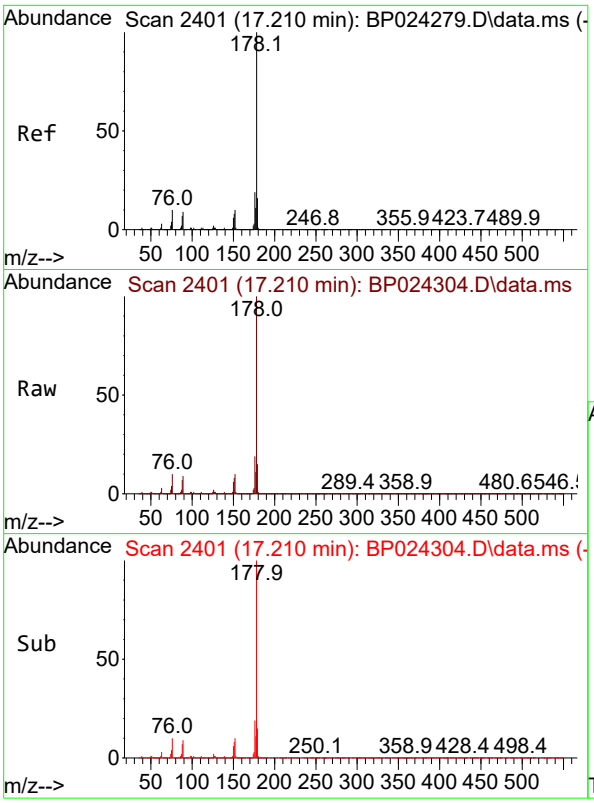


#70
Pentachlorophenol
Concen: 39.862 ng
RT: 16.804 min Scan# 2332
Delta R.T. -0.023 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:266 Resp: 479239

Ion	Ratio	Lower	Upper
266	100		
268	65.0	51.0	76.6
264	63.5	49.8	74.6



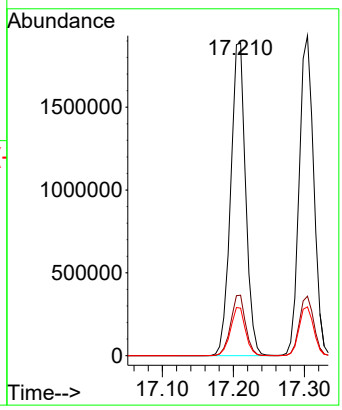


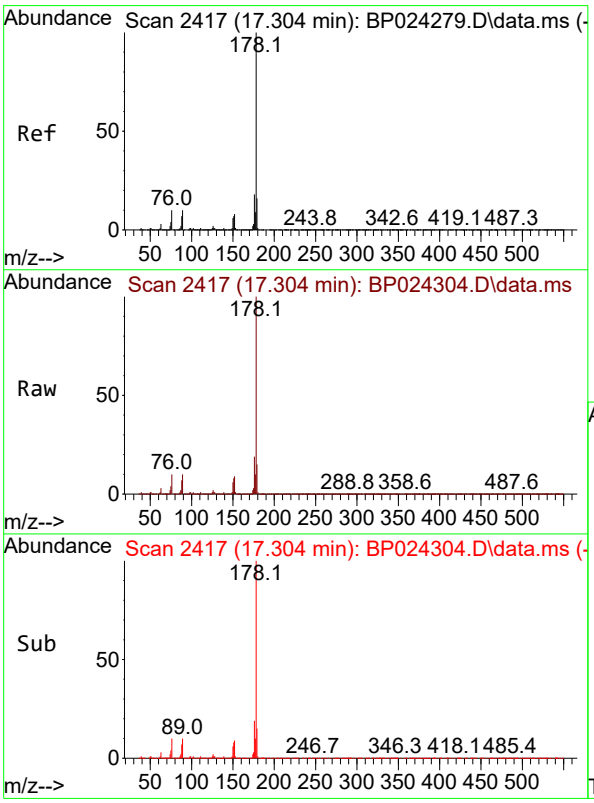
#71
Phenanthrene
Concen: 38.291 ng
RT: 17.210 min Scan# 24
Delta R.T. -0.017 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 2769989

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.2	12.5	18.7

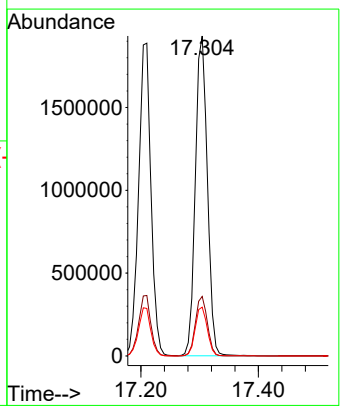


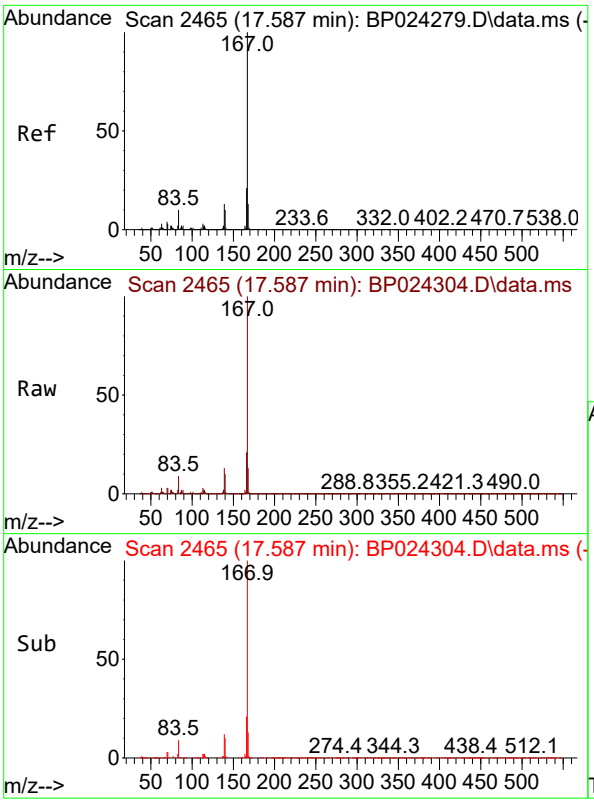


#72
Anthracene
Concen: 39.262 ng
RT: 17.304 min Scan# 2417
Delta R.T. -0.012 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:178 Resp: 2737408

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.2	12.4	18.6



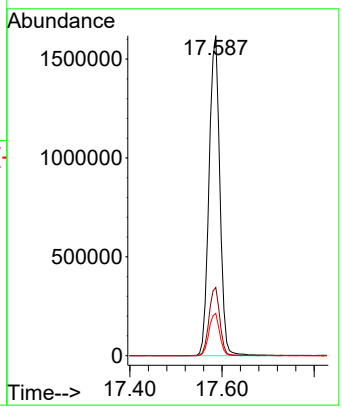


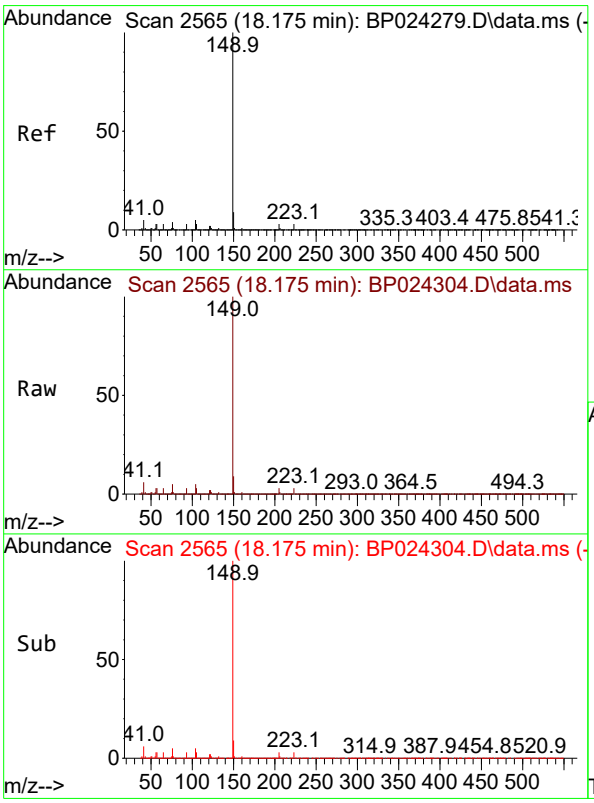
#73
Carbazole
Concen: 38.774 ng
RT: 17.587 min Scan# 24
Delta R.T. -0.017 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 2641410

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.1	25.7
139	13.2	10.6	16.0

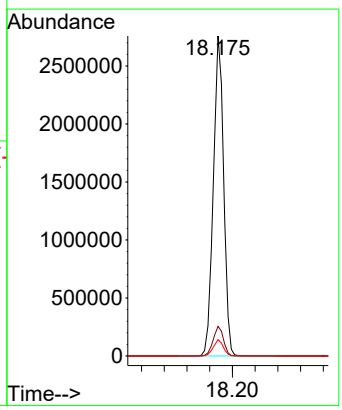


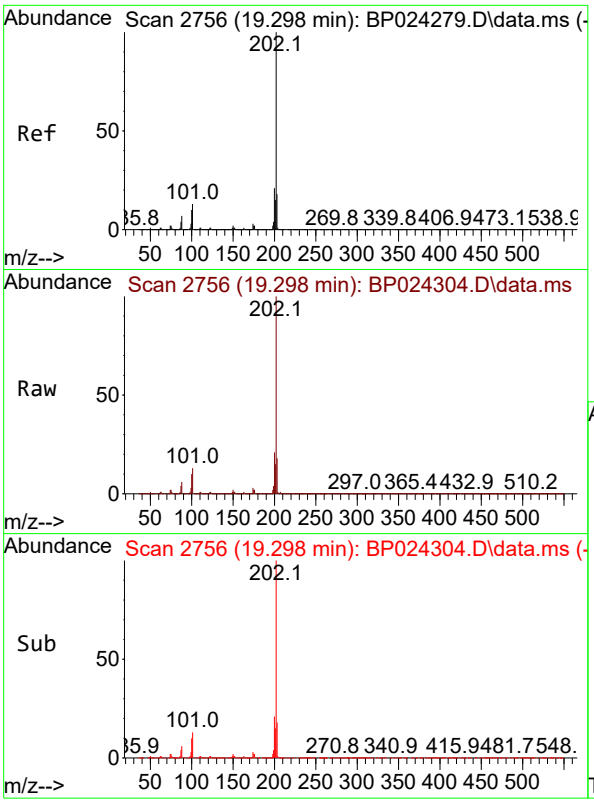


#74
Di-n-butylphthalate
Concen: 40.735 ng
RT: 18.175 min Scan# 2565
Delta R.T. -0.017 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:149 Resp: 3457295

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	5.1	3.9	5.9



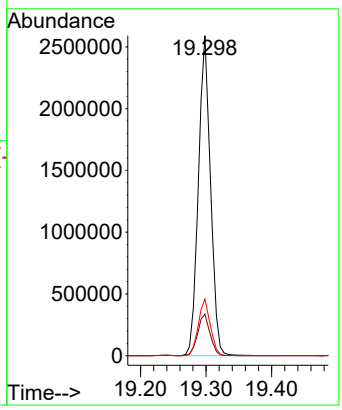


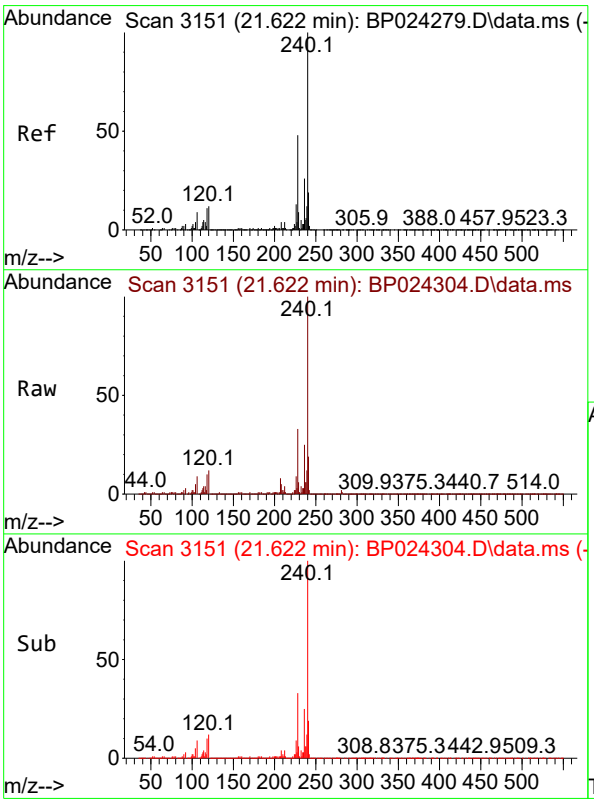
#75
Fluoranthene
Concen: 38.796 ng
RT: 19.298 min Scan# 2
Delta R.T. -0.017 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 3337866

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.2
203	17.7	0.0	37.7

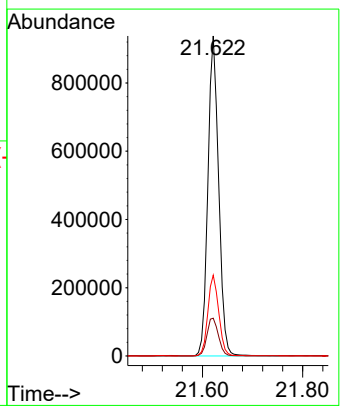


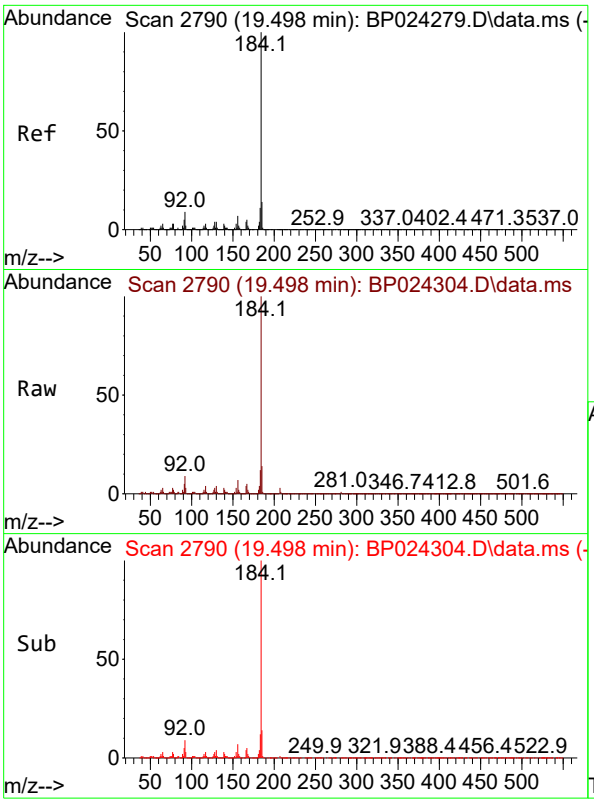


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.622 min Scan# 3151
Delta R.T. 0.000 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:240 Resp: 1395752

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.8	14.8
236	25.3	20.9	31.3



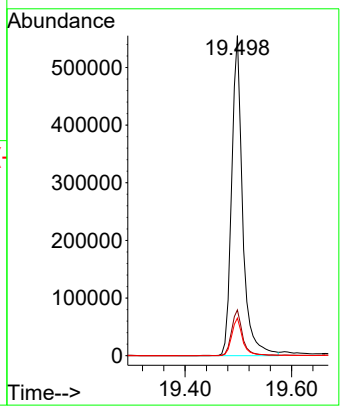


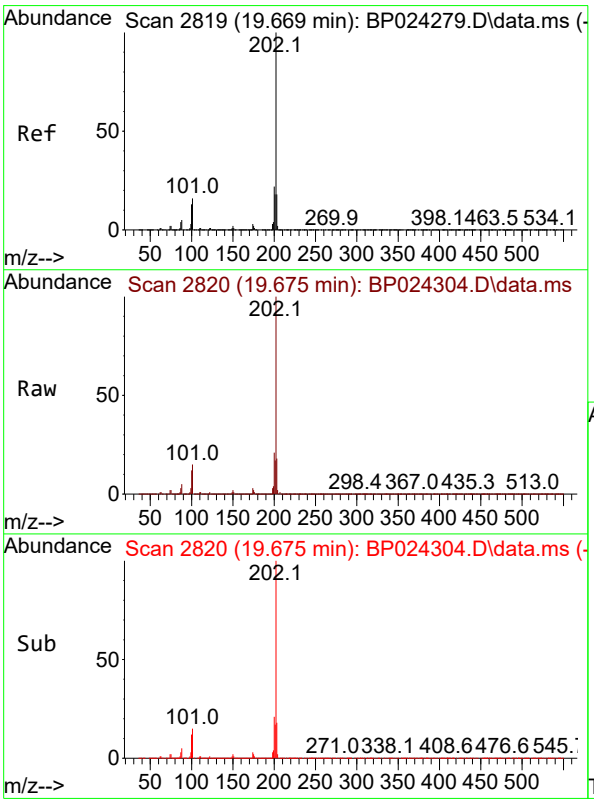
#77
Benzidine
Concen: 44.955 ng
RT: 19.498 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 795351

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.6	17.4
183	11.8	9.2	13.8

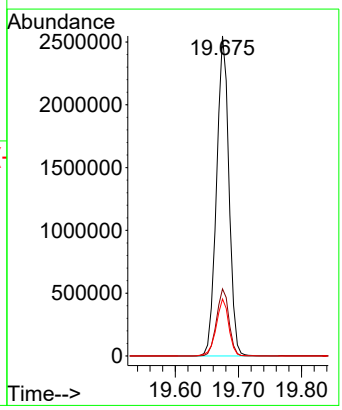


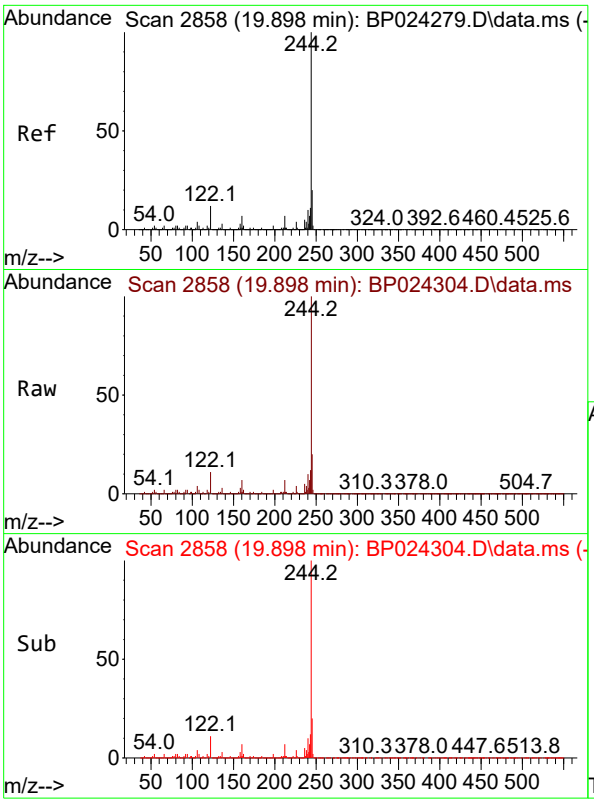


#78
Pyrene
Concen: 39.137 ng
RT: 19.675 min Scan# 2820
Delta R.T. -0.012 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:202 Resp: 3471525

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.2	25.8
203	17.8	14.4	21.6



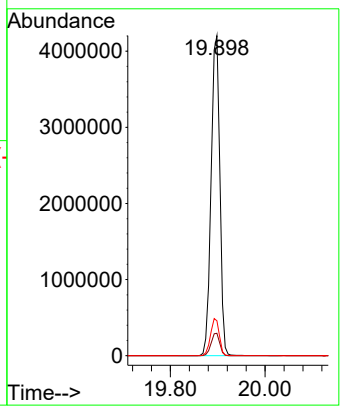


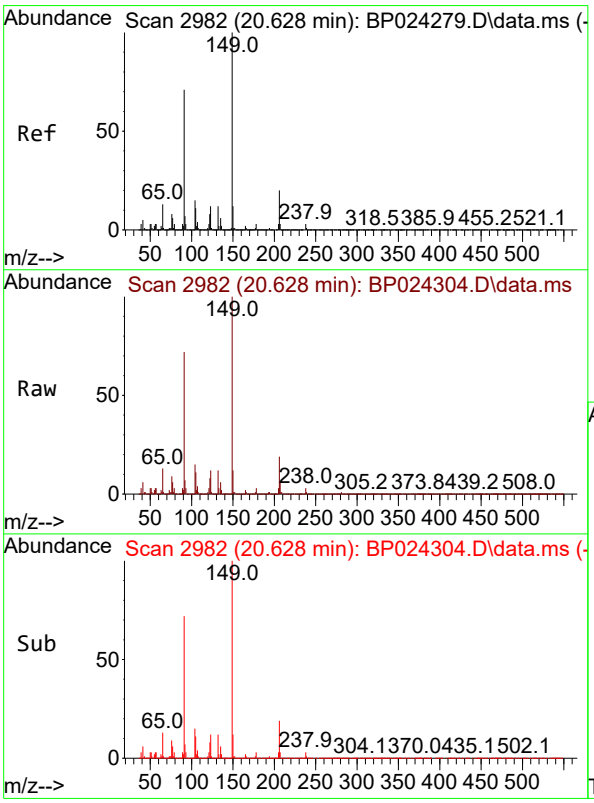
#79
Terphenyl-d14
Concen: 77.952 ng
RT: 19.898 min Scan# 2
Delta R.T. -0.023 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 5397861

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	10.9	9.4	14.0

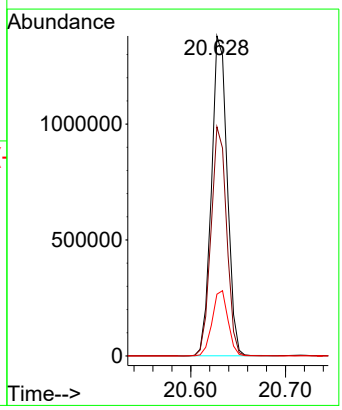


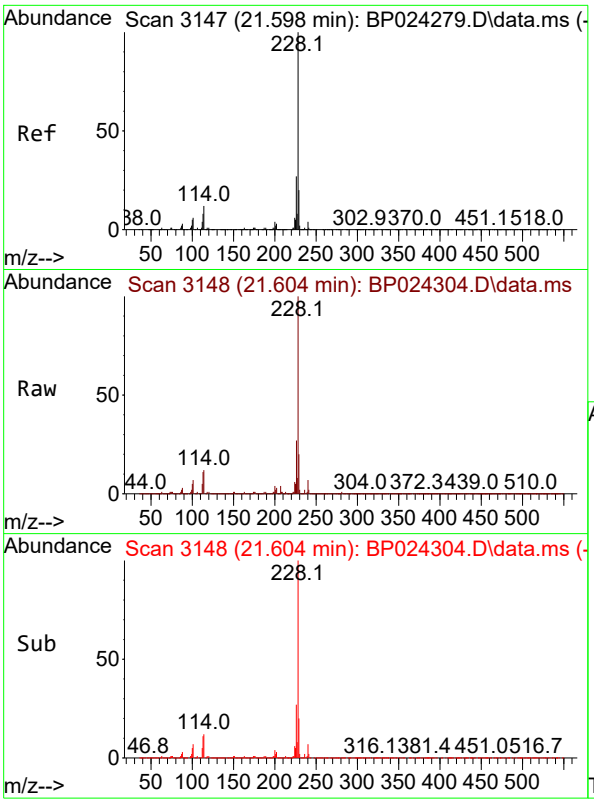


#80
Butylbenzylphthalate
Concen: 41.803 ng
RT: 20.628 min Scan# 2982
Delta R.T. -0.017 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:149 Resp: 1588223

Ion	Ratio	Lower	Upper
149	100		
91	71.6	56.4	84.6
206	19.3	16.3	24.5



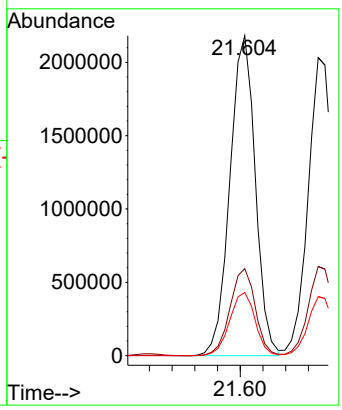


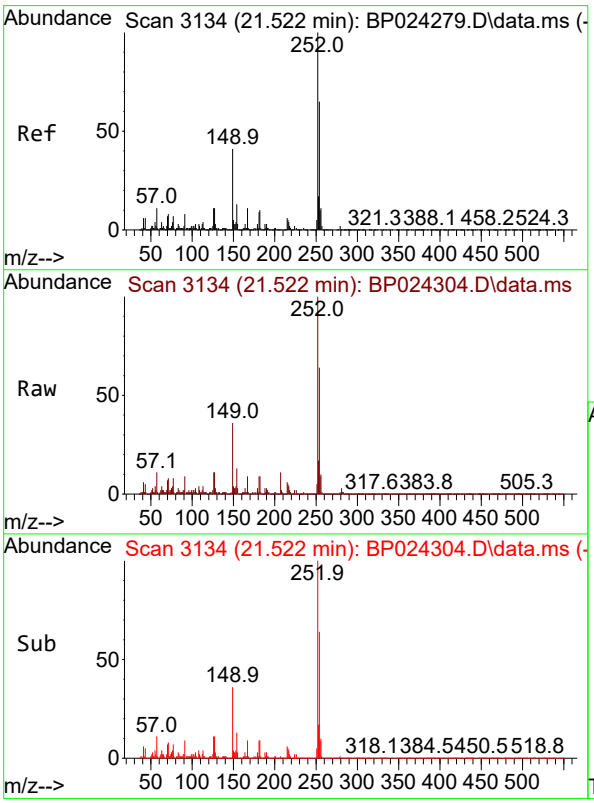
#81
Benzo(a)anthracene
Concen: 39.011 ng
RT: 21.604 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 3384340

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.8	32.8
229	19.8	15.9	23.9

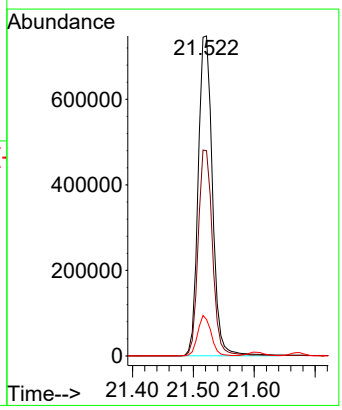


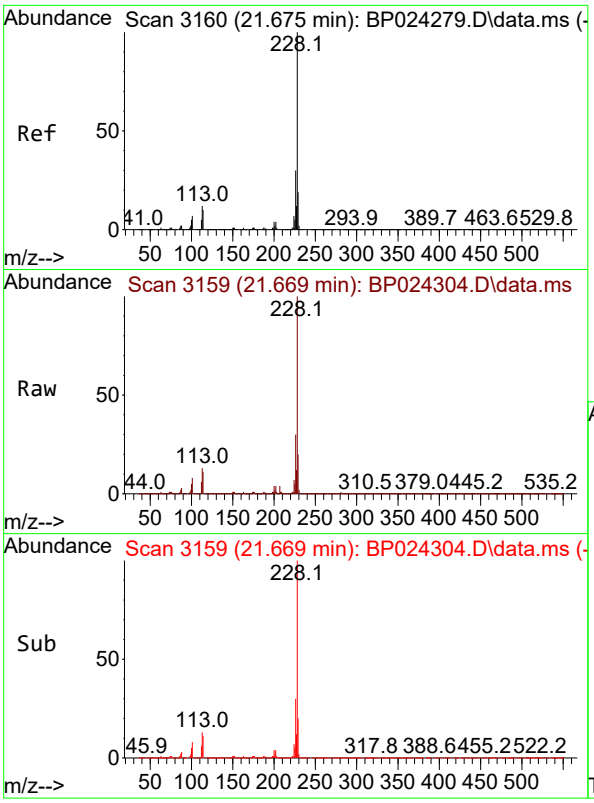


#82
3,3'-Dichlorobenzidine
Concen: 39.866 ng
RT: 21.522 min Scan# 3134
Delta R.T. -0.017 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:252 Resp: 1213910

Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.7	77.5
126	11.4	8.8	13.2



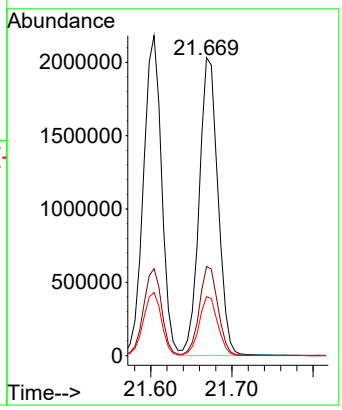


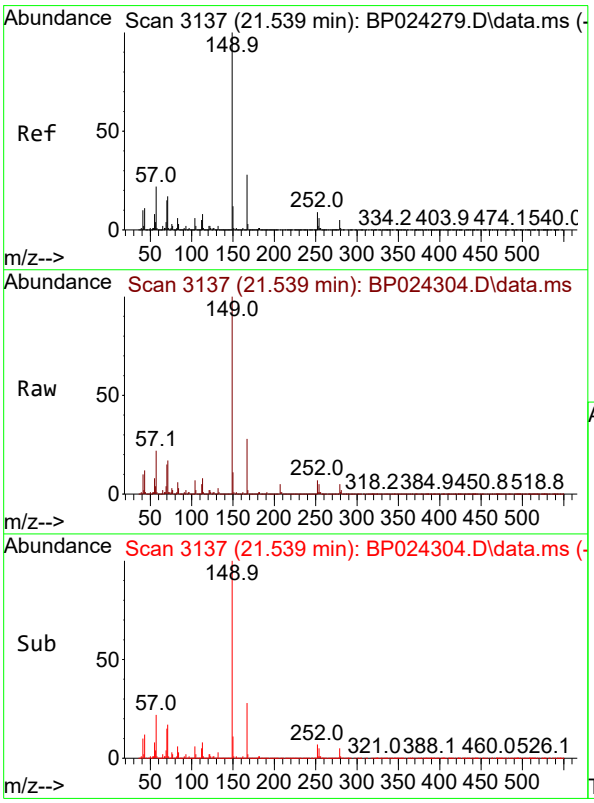
#83
Chrysene
Concen: 39.104 ng
RT: 21.669 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 3250148

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.2	36.2
229	19.8	15.6	23.4

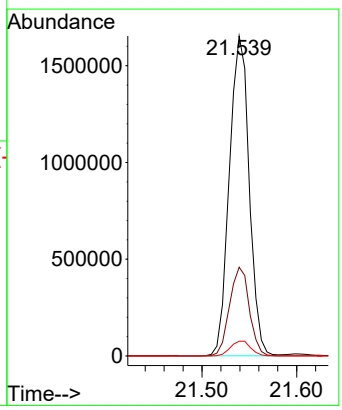


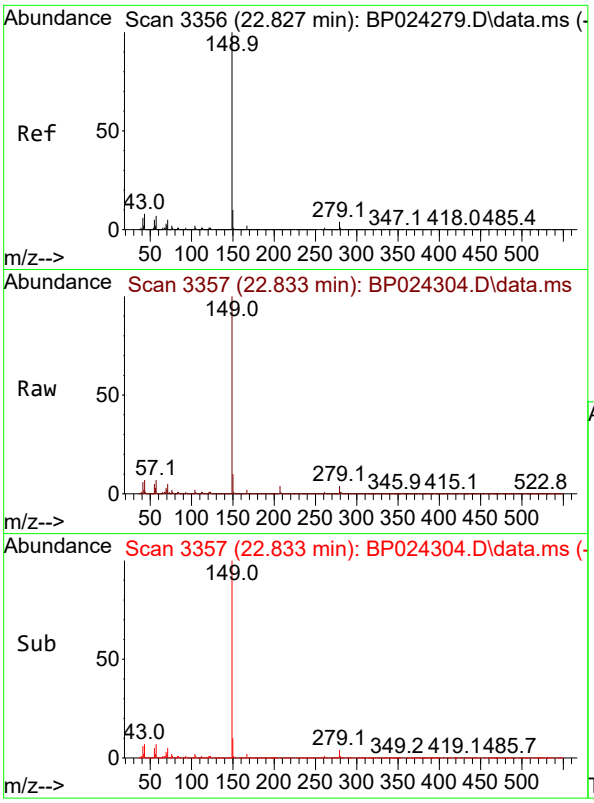


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.056 ng
RT: 21.539 min Scan# 3137
Delta R.T. -0.006 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:149 Resp: 2398065

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.4	33.6
279	4.6	4.0	6.0



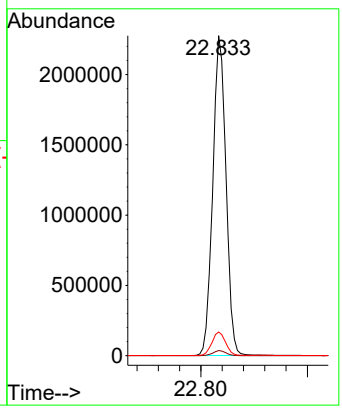


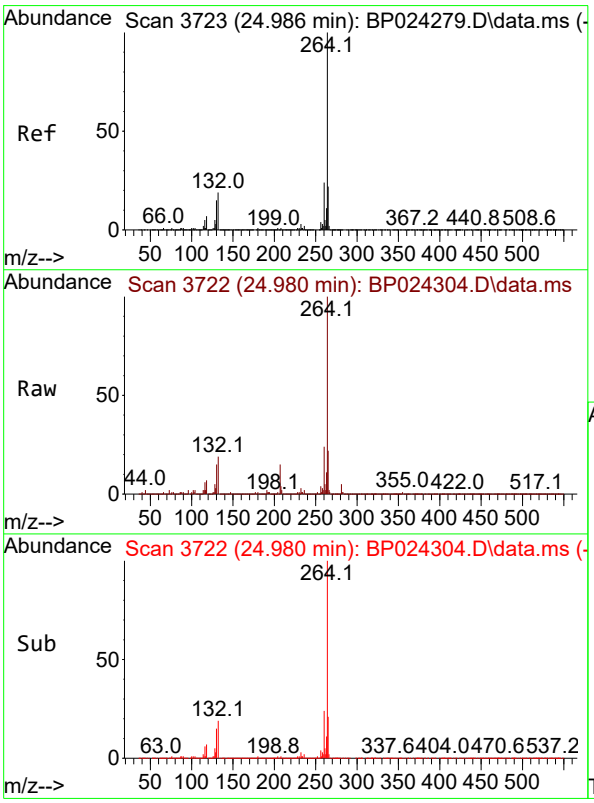
#85
Di-n-octyl phthalate
Concen: 43.258 ng
RT: 22.833 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 3916880

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.7	6.0	9.0

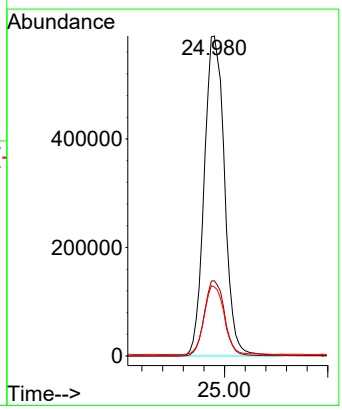


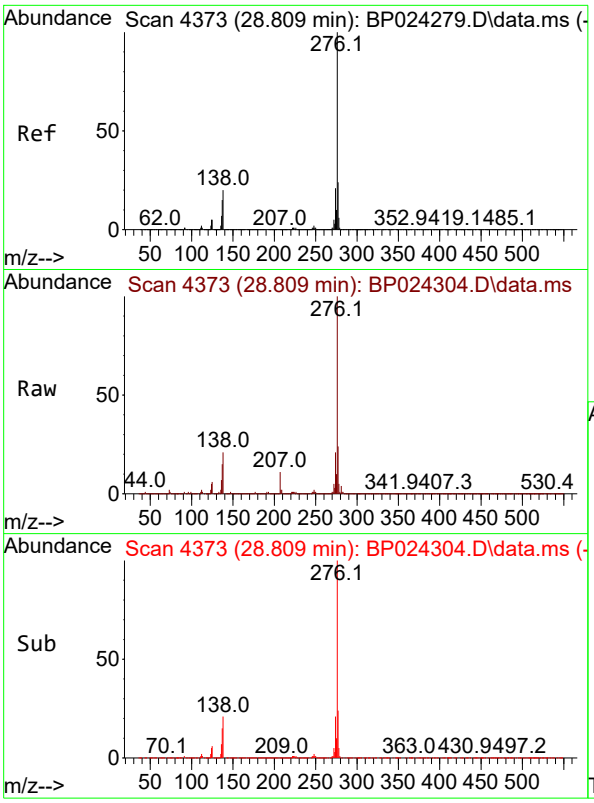


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.980 min Scan# 3722
Delta R.T. -0.006 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:264 Resp: 1605776

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.9	28.3
265	21.6	17.8	26.6



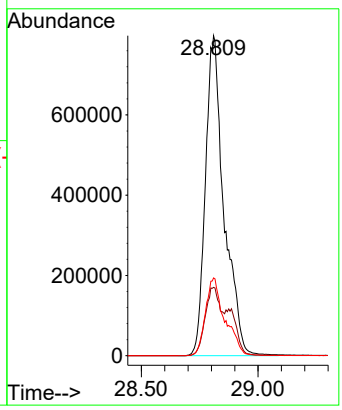


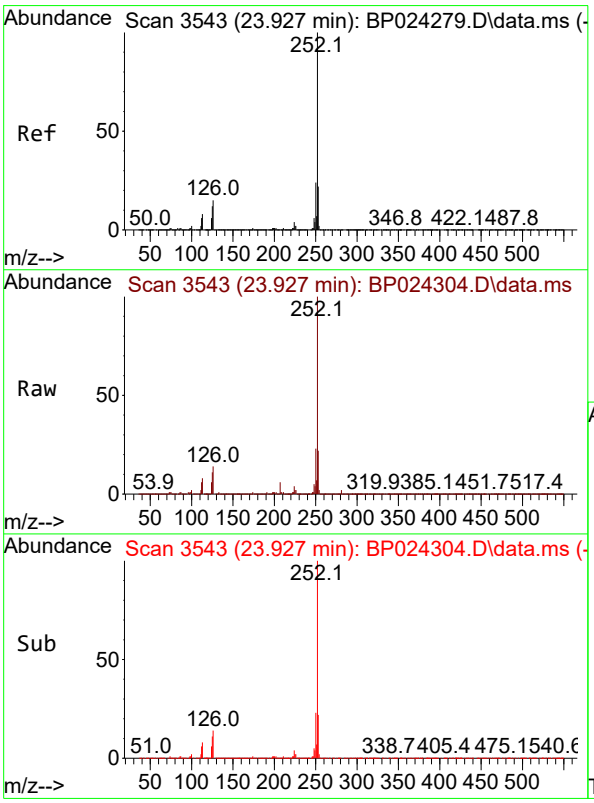
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.638 ng
RT: 28.809 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 4418804

Ion	Ratio	Lower	Upper
276	100		
138	18.4	14.5	21.7
277	25.4	20.2	30.2

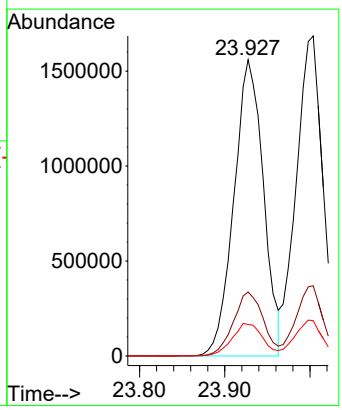


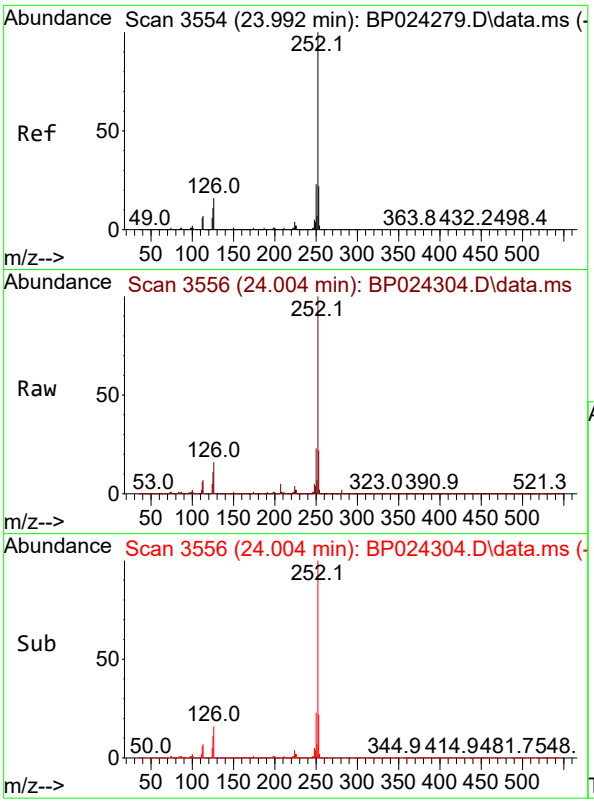


#88
Benzo(b)fluoranthene
Concen: 38.993 ng
RT: 23.927 min Scan# 3543
Delta R.T. -0.006 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:252 Resp: 3753122

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	10.7	9.4	14.0



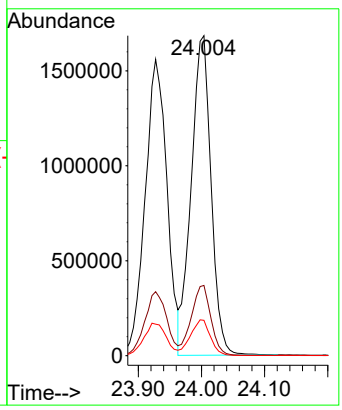


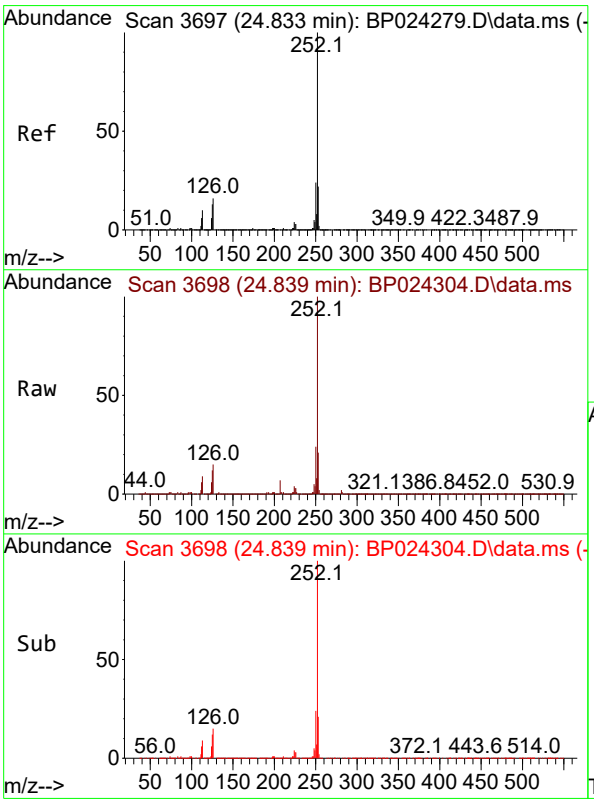
#89
Benzo(k)fluoranthene
Concen: 39.519 ng
RT: 24.004 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 3674203

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	11.1	9.1	13.7

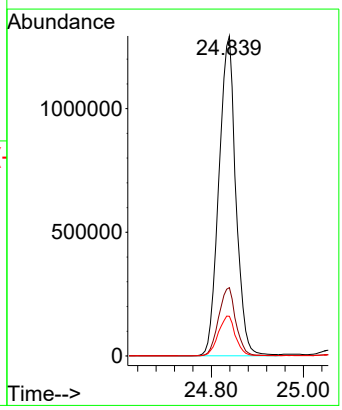


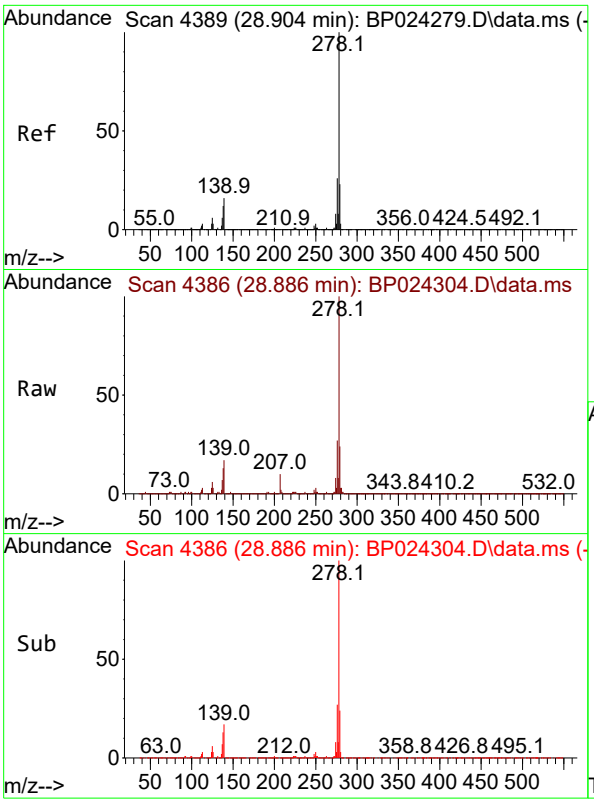


#90
Benzo(a)pyrene
Concen: 39.658 ng
RT: 24.839 min Scan# 3698
Delta R.T. 0.006 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:252 Resp: 3292674

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.6	26.4
125	12.4	10.1	15.1



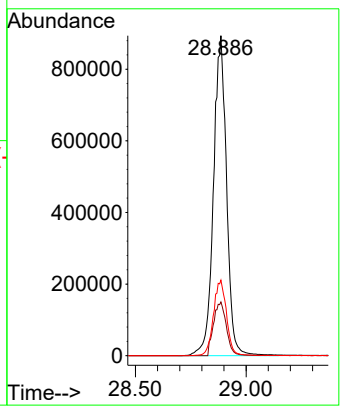


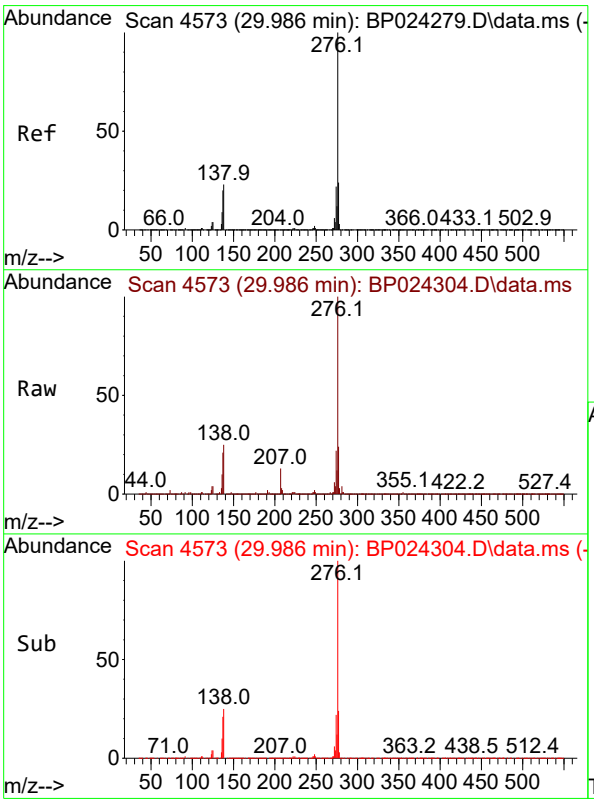
#91
Dibenzo(a,h)anthracene
Concen: 39.707 ng
RT: 28.886 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 3674163

Ion	Ratio	Lower	Upper
278	100		
139	16.8	12.6	19.0
279	23.6	18.5	27.7

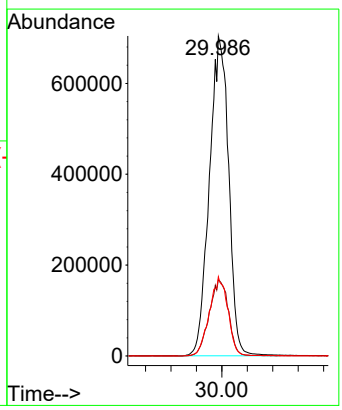




#92
Benzo(g,h,i)perylene
Concen: 39.282 ng
RT: 29.986 min Scan# 4573
Delta R.T. -0.012 min
Lab File: BP024304.D
Acq: 16 Apr 2025 09:43

Tgt Ion:276 Resp: 3699759

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.9	28.3
138	24.8	18.7	28.1



Sample Results: **BP024304.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024304.D
Acq On : 16 Apr 2025 09:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 16 10:58:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	111	0.00
2		1,4-Dioxane	0.512	0.514	-0.4	111	0.00
3		Pyridine	1.351	1.264	6.4	100	0.00
4		n-Nitrosodimethylamine	0.448	0.452	-0.9	110	0.00
5	S	2-Fluorophenol	1.210	1.198	1.0	106	0.00
6		Aniline	1.480	1.442	2.6	101	0.00
7	S	Phenol-d6	1.656	1.594	3.7	101	0.00
8		2-Chlorophenol	1.350	1.300	3.7	103	0.00
9		Benzaldehyde	0.819	1.715	-109.4#	228#	0.00
10	C	Phenol	1.661	1.607	3.3	102	-0.01
11		bis(2-Chloroethyl)ether	1.339	1.282	4.3	102	0.00
12		1,3-Dichlorobenzene	1.454	1.398	3.9	104	0.00
13	C	1,4-Dichlorobenzene	1.475	1.416	4.0	105	0.00
14		1,2-Dichlorobenzene	1.424	1.351	5.1	104	0.00
15		Benzyl Alcohol	1.071	1.061	0.9	102	-0.01
16		2,2'-oxybis(1-Chloropropane	1.447	1.403	3.0	103	-0.01
17		2-Methylphenol	1.075	1.038	3.4	101	0.00
18		Hexachloroethane	0.533	0.526	1.3	108	0.00
19	P	n-Nitroso-di-n-propylamine	1.025	0.973	5.1	100	-0.01
20		3+4-Methylphenols	1.491	1.442	3.3	100	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	106	0.00
22		Acetophenone	0.495	0.484	2.2	99	0.00
23	S	Nitrobenzene-d5	0.351	0.356	-1.4	103	0.00
24		Nitrobenzene	0.347	0.347	0.0	101	0.00
25		Isophorone	0.635	0.618	2.7	98	-0.01
26	C	2-Nitrophenol	0.170	0.172	-1.2	100	-0.01
27		2,4-Dimethylphenol	0.213	0.213	0.0	100	-0.01
28		bis(2-Chloroethoxy)methane	0.429	0.425	0.9	100	-0.01
29	C	2,4-Dichlorophenol	0.291	0.291	0.0	100	0.00
30		1,2,4-Trichlorobenzene	0.311	0.309	0.6	102	0.00
31		Naphthalene	1.054	1.027	2.6	101	0.00
32		Benzoic acid	0.248	0.229	7.7	101	-0.05
33		4-Chloroaniline	0.371	0.369	0.5	99	-0.01
34	C	Hexachlorobutadiene	0.183	0.183	0.0	103	0.00
35		Caprolactam	0.107	0.101	5.6	96	-0.03
36	C	4-Chloro-3-methylphenol	0.339	0.333	1.8	99	-0.02
37		2-Methylnaphthalene	0.731	0.702	4.0	99	-0.01
38		1-Methylnaphthalene	0.715	0.686	4.1	100	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	104	-0.01
40		1,2,4,5-Tetrachlorobenzene	0.550	0.553	-0.5	100	-0.01
41	P	Hexachlorocyclopentadiene	0.195	0.203	-4.1	97	-0.02
42	S	2,4,6-Tribromophenol	0.277	0.264	4.7	95	-0.02
43	C	2,4,6-Trichlorophenol	0.366	0.369	-0.8	99	-0.01
44		2,4,5-Trichlorophenol	0.405	0.403	0.5	98	-0.02
45	S	2-Fluorobiphenyl	1.306	1.270	2.8	97	-0.01
46		1,1'-Biphenyl	1.470	1.439	2.1	98	-0.02
47		2-Chloronaphthalene	1.099	1.078	1.9	99	-0.01

Sample Results: **BP024304.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024304.D
Acq On : 16 Apr 2025 09:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 16 10:58:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.308	0.313	-1.6	99	-0.02
49		Acenaphthylene	1.730	1.692	2.2	97	-0.01
50		Dimethylphthalate	1.454	1.383	4.9	96	-0.02
51		2,6-Dinitrotoluene	0.309	0.304	1.6	97	-0.02
52	C	Acenaphthene	1.097	1.057	3.6	98	-0.01
53		3-Nitroaniline	0.325	0.324	0.3	95	-0.02
54	P	2,4-Dinitrophenol	0.182	0.155	14.8	87	-0.02
55		Dibenzofuran	1.793	1.710	4.6	97	-0.01
56	P	4-Nitrophenol	0.280	0.281	-0.4	96	-0.01
57		2,4-Dinitrotoluene	0.421	0.419	0.5	97	-0.02
58		Fluorene	1.388	1.326	4.5	99	-0.01
59		2,3,4,6-Tetrachlorophenol	0.373	0.357	4.3	96	0.00
60		Diethylphthalate	1.499	1.442	3.8	97	-0.02
61		4-Chlorophenyl-phenylether	0.674	0.647	4.0	99	-0.01
62		4-Nitroaniline	0.344	0.338	1.7	95	-0.02
63		Azobenzene	1.378	1.355	1.7	99	-0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	104	-0.02
65		4,6-Dinitro-2-methylphenol	0.126	0.114	9.5	90	-0.02
66	c	n-Nitrosodiphenylamine	0.597	0.581	2.7	96	-0.01
67		4-Bromophenyl-phenylether	0.219	0.215	1.8	97	-0.01
68		Hexachlorobenzene	0.260	0.250	3.8	96	-0.02
69		Atrazine	0.152	0.190	-25.0#	163#	0.00
70	C	Pentachlorophenol	0.181	0.181	0.0	96	-0.02
71		Phenanthrene	1.091	1.044	4.3	96	-0.02
72		Anthracene	1.052	1.032	1.9	96	-0.01
73		Carbazole	1.027	0.996	3.0	95	-0.02
74		Di-n-butylphthalate	1.280	1.304	-1.9	97	-0.02
75	C	Fluoranthene	1.298	1.259	3.0	97	-0.02
76	I	Chrysene-d12	1.000	1.000	0.0	103	0.00
77		Benzidine	0.254	0.285	-12.2	68	-0.01
78		Pyrene	1.271	1.244	2.1	99	-0.01
79	S	Terphenyl-d14	0.992	0.967	2.5	97	-0.02
80		Butylbenzylphthalate	0.544	0.569	-4.6	99	-0.02
81		Benzo(a)anthracene	1.243	1.212	2.5	97	0.00
82		3,3'-Dichlorobenzidine	0.436	0.435	0.2	93	-0.02
83		Chrysene	1.191	1.164	2.3	99	-0.01
84		Bis(2-ethylhexyl)phthalate	0.798	0.859	-7.6	99	0.00
85	c	Di-n-octyl phthalate	1.297	1.403	-8.2	99	0.00
86	I	Perylene-d12	1.000	1.000	0.0	108	0.00
87		Indeno(1,2,3-cd)pyrene	1.388	1.376	0.9	103	0.00
88		Benzo(b)fluoranthene	1.199	1.169	2.5	100	0.00
89		Benzo(k)fluoranthene	1.158	1.144	1.2	102	0.00
90	C	Benzo(a)pyrene	1.034	1.025	0.9	102	0.00
91		Dibenzo(a,h)anthracene	1.152	1.144	0.7	103	0.00
92		Benzo(g,h,i)perylene	1.173	1.152	1.8	102	-0.01

Sample Results: **BP024304.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024304.D
Acq On : 16 Apr 2025 09:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 16 10:58:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BP024304.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024304.D
Acq On : 16 Apr 2025 09:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 16 10:58:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	111	0.00
2		1,4-Dioxane	40.000	40.149	-0.4	111	0.00
3		Pyridine	40.000	37.410	6.5	100	0.00
4		n-Nitrosodimethylamine	40.000	40.335	-0.8	110	0.00
5	S	2-Fluorophenol	80.000	79.249	0.9	106	0.00
6		Aniline	40.000	38.976	2.6	101	0.00
7	S	Phenol-d6	80.000	76.994	3.8	101	0.00
8		2-Chlorophenol	40.000	38.511	3.7	103	0.00
9		Benzaldehyde	40.000	83.710	-109.3#	228	0.00
10	C	Phenol	40.000	38.695	3.3	102	-0.01
11		bis(2-Chloroethyl)ether	40.000	38.316	4.2	102	0.00
12		1,3-Dichlorobenzene	40.000	38.460	3.8	104	0.00
13	C	1,4-Dichlorobenzene	40.000	38.409	4.0	105	0.00
14		1,2-Dichlorobenzene	40.000	37.950	5.1	104	0.00
15		Benzyl Alcohol	40.000	39.627	0.9	102	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	38.773	3.1	103	-0.01
17		2-Methylphenol	40.000	38.619	3.5	101	0.00
18		Hexachloroethane	40.000	39.503	1.2	108	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	37.980	5.1	100	-0.01
20		3+4-Methylphenols	40.000	38.673	3.3	100	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	106	0.00
22		Acetophenone	40.000	39.103	2.2	99	0.00
23	S	Nitrobenzene-d5	80.000	81.132	-1.4	103	0.00
24		Nitrobenzene	40.000	40.018	-0.0	101	0.00
25		Isophorone	40.000	38.931	2.7	98	-0.01
26	C	2-Nitrophenol	40.000	40.593	-1.5	100	-0.01
27		2,4-Dimethylphenol	40.000	39.877	0.3	100	-0.01
28		bis(2-Chloroethoxy)methane	40.000	39.608	1.0	100	-0.01
29	C	2,4-Dichlorophenol	40.000	40.084	-0.2	100	0.00
30		1,2,4-Trichlorobenzene	40.000	39.632	0.9	102	0.00
31		Naphthalene	40.000	39.011	2.5	101	0.00
32		Benzoic acid	40.000	36.859	7.9	101	-0.05
33		4-Chloroaniline	40.000	39.801	0.5	99	-0.01
34	C	Hexachlorobutadiene	40.000	40.032	-0.1	103	0.00
35		Caprolactam	40.000	37.720	5.7	96	-0.03
36	C	4-Chloro-3-methylphenol	40.000	39.342	1.6	99	-0.02
37		2-Methylnaphthalene	40.000	38.418	4.0	99	-0.01
38		1-Methylnaphthalene	40.000	38.382	4.0	100	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	104	-0.01
40		1,2,4,5-Tetrachlorobenzene	40.000	40.242	-0.6	100	-0.01
41	P	Hexachlorocyclopentadiene	40.000	41.806	-4.5	97	-0.02
42	S	2,4,6-Tribromophenol	80.000	76.444	4.4	95	-0.02
43	C	2,4,6-Trichlorophenol	40.000	40.367	-0.9	99	-0.01
44		2,4,5-Trichlorophenol	40.000	39.847	0.4	98	-0.02
45	S	2-Fluorobiphenyl	80.000	77.799	2.8	97	-0.01
46		1,1'-Biphenyl	40.000	39.142	2.1	98	-0.02
47		2-Chloronaphthalene	40.000	39.229	1.9	99	-0.01

Sample Results: **BP024304.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024304.D
Acq On : 16 Apr 2025 09:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 16 10:58:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	40.573	-1.4	99	-0.02
49		Acenaphthylene	40.000	39.133	2.2	97	-0.01
50		Dimethylphthalate	40.000	38.027	4.9	96	-0.02
51		2,6-Dinitrotoluene	40.000	39.322	1.7	97	-0.02
52	C	Acenaphthene	40.000	38.553	3.6	98	-0.01
53		3-Nitroaniline	40.000	39.962	0.1	95	-0.02
54	P	2,4-Dinitrophenol	40.000	34.091	14.8	87	-0.02
55		Dibenzofuran	40.000	38.155	4.6	97	-0.01
56	P	4-Nitrophenol	40.000	40.035	-0.1	96	-0.01
57		2,4-Dinitrotoluene	40.000	39.748	0.6	97	-0.02
58		Fluorene	40.000	38.207	4.5	99	-0.01
59		2,3,4,6-Tetrachlorophenol	40.000	38.286	4.3	96	0.00
60		Diethylphthalate	40.000	38.476	3.8	97	-0.02
61		4-Chlorophenyl-phenylether	40.000	38.384	4.0	99	-0.01
62		4-Nitroaniline	40.000	39.355	1.6	95	-0.02
63		Azobenzene	40.000	39.342	1.6	99	-0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	104	-0.02
65		4,6-Dinitro-2-methylphenol	40.000	36.039	9.9	90	-0.02
66	c	n-Nitrosodiphenylamine	40.000	38.938	2.7	96	-0.01
67		4-Bromophenyl-phenylether	40.000	39.285	1.8	97	-0.01
68		Hexachlorobenzene	40.000	38.524	3.7	96	-0.02
69		Atrazine	40.000	49.965	-24.9	163	0.00
70	C	Pentachlorophenol	40.000	39.862	0.3	96	-0.02
71		Phenanthrene	40.000	38.291	4.3	96	-0.02
72		Anthracene	40.000	39.262	1.8	96	-0.01
73		Carbazole	40.000	38.774	3.1	95	-0.02
74		Di-n-butylphthalate	40.000	40.735	-1.8	97	-0.02
75	C	Fluoranthene	40.000	38.796	3.0	97	-0.02
76	I	Chrysene-d12	20.000	20.000	0.0	103	0.00
77		Benzidine	40.000	44.955	-12.4	68	-0.01
78		Pyrene	40.000	39.137	2.2	99	-0.01
79	S	Terphenyl-d14	80.000	77.952	2.6	97	-0.02
80		Butylbenzylphthalate	40.000	41.803	-4.5	99	-0.02
81		Benzo(a)anthracene	40.000	39.011	2.5	97	0.00
82		3,3'-Dichlorobenzidine	40.000	39.866	0.3	93	-0.02
83		Chrysene	40.000	39.104	2.2	99	-0.01
84		Bis(2-ethylhexyl)phthalate	40.000	43.056	-7.6	99	0.00
85	c	Di-n-octyl phthalate	40.000	43.258	-8.1	99	0.00
86	I	Perylene-d12	20.000	20.000	0.0	108	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	39.638	0.9	103	0.00
88		Benzo(b)fluoranthene	40.000	38.993	2.5	100	0.00
89		Benzo(k)fluoranthene	40.000	39.519	1.2	102	0.00
90	C	Benzo(a)pyrene	40.000	39.658	0.9	102	0.00
91		Dibenzo(a,h)anthracene	40.000	39.707	0.7	103	0.00
92		Benzo(g,h,i)perylene	40.000	39.282	1.8	102	-0.01

Sample Results: **BP024304.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024304.D
Acq On : 16 Apr 2025 09:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 16 10:58:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1762 SAS No.: Q1762 SDG No.: Q1762

Instrument ID: BNA_P Calibration Date/Time: 04/17/2025 10:30

Lab File ID: BP024320.D Init. Calib. Date(s): 04/14/2025 04/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:06 17:13

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.210	1.207		-0.2	
Benzaldehyde	0.819	0.990		20.9	
Phenol-d6	1.656	1.673		1.0	
Phenol	1.661	1.671		0.6	20.0
bis(2-Chloroethyl)ether	1.339	1.310		-2.2	
2-Chlorophenol	1.350	1.334		-1.2	
2-Methylphenol	1.075	1.109		3.2	
2,2-oxybis(1-Chloropropane)	1.447	1.450		0.2	
Acetophenone	0.495	0.486		-1.8	
3+4-Methylphenols	1.491	1.554		4.2	
n-Nitroso-di-n-propylamine	1.025	1.075	0.050	4.8	
Nitrobenzene-d5	0.351	0.352		0.3	
Hexachloroethane	0.533	0.525		-1.5	
Nitrobenzene	0.347	0.345		-0.6	
Isophorone	0.635	0.650		2.4	
2-Nitrophenol	0.170	0.182		7.1	20.0
2,4-Dimethylphenol	0.213	0.216		1.4	
bis(2-Chloroethoxy)methane	0.429	0.423		-1.4	
2,4-Dichlorophenol	0.291	0.297		2.1	20.0
Naphthalene	1.054	1.021		-3.1	
4-Chloroaniline	0.371	0.384		3.5	
Hexachlorobutadiene	0.183	0.182		-0.5	20.0
Caprolactam	0.107	0.112		4.7	
4-Chloro-3-methylphenol	0.339	0.359		5.9	20.0
2-Methylnaphthalene	0.731	0.732		0.1	
Hexachlorocyclopentadiene	0.195	0.198	0.050	1.5	
2,4,6-Trichlorophenol	0.366	0.370		1.1	20.0
2-Fluorobiphenyl	1.306	1.257		-3.8	
2,4,5-Trichlorophenol	0.405	0.410		1.2	
1,1-Biphenyl	1.470	1.426		-3.0	
2-Chloronaphthalene	1.099	1.062		-3.4	
2-Nitroaniline	0.308	0.323		4.9	
Dimethylphthalate	1.454	1.428		-1.8	
Acenaphthylene	1.730	1.702		-1.6	
2,6-Dinitrotoluene	0.309	0.315		1.9	
3-Nitroaniline	0.325	0.329		1.2	
Acenaphthene	1.097	1.062		-3.2	20.0
2,4-Dinitrophenol	0.182	0.185	0.050	1.6	
4-Nitrophenol	0.280	0.283	0.050	1.1	

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1762 SAS No.: Q1762 SDG No.: Q1762

Instrument ID: BNA_P Calibration Date/Time: 04/17/2025 10:30

Lab File ID: BP024320.D Init. Calib. Date(s): 04/14/2025 04/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:06 17:13

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.793	1.735		-3.2	
2,4-Dinitrotoluene	0.421	0.436		3.6	
Diethylphthalate	1.499	1.463		-2.4	
4-Chlorophenyl-phenylether	0.674	0.662		-1.8	
Fluorene	1.388	1.357		-2.2	
4-Nitroaniline	0.344	0.346		0.6	
4,6-Dinitro-2-methylphenol	0.126	0.129		2.4	
n-Nitrosodiphenylamine	0.597	0.595		-0.3	20.0
2,4,6-Tribromophenol	0.277	0.282		1.8	
4-Bromophenyl-phenylether	0.219	0.223		1.8	
Hexachlorobenzene	0.260	0.264		1.5	
Atrazine	0.152	0.137		-9.9	
Pentachlorophenol	0.181	0.190		5.0	20.0
Phenanthrene	1.091	1.034		-5.2	
Anthracene	1.052	1.043		-0.9	
Carbazole	1.027	0.995		-3.1	
Di-n-butylphthalate	1.280	1.282		0.2	
Fluoranthene	1.298	1.230		-5.2	20.0
Pyrene	1.271	1.389		9.3	
Terphenyl-d14	0.992	1.068		7.7	
Butylbenzylphthalate	0.544	0.577		6.1	
3,3-Dichlorobenzidine	0.436	0.416		-4.6	
Benzo(a)anthracene	1.243	1.222		-1.7	
Chrysene	1.191	1.150		-3.4	
Bis(2-ethylhexyl)phthalate	0.798	0.738		-7.5	
Di-n-octyl phthalate	1.297	1.105		-14.8	20.0
Benzo(b)fluoranthene	1.199	1.261		5.1	
Benzo(k)fluoranthene	1.158	1.184		2.2	
Benzo(a)pyrene	1.034	1.050		1.5	20.0
Indeno(1,2,3-cd)pyrene	1.388	1.298		-6.5	
Dibenzo(a,h)anthracene	1.152	1.077		-6.5	
Benzo(g,h,i)perylene	1.173	1.101		-6.1	
1,2,4,5-Tetrachlorobenzene	0.550	0.532		-3.3	
1,4-Dioxane	0.512	0.500		-2.3	20.0
2,3,4,6-Tetrachlorophenol	0.373	0.370		-0.8	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024320.D
Acq On : 17 Apr 2025 10:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 17 11:47:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.728	152	303712	20.000	ng		0.00
21) Naphthalene-d8	10.498	136	1329212	20.000	ng		0.00
39) Acenaphthene-d10	14.357	164	880817	20.000	ng		-0.01
64) Phenanthrene-d10	17.157	188	1702907	20.000	ng		-0.02
76) Chrysene-d12	21.609	240	1526868	20.000	ng		-0.01
86) Perylene-d12	24.962	264	1367817	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.346	112	1466695	79.849	ng		0.00
7) Phenol-d6	6.910	99	2032619	80.815	ng		0.00
23) Nitrobenzene-d5	8.881	82	1870047	80.222	ng		0.00
42) 2,4,6-Tribromophenol	15.863	330	992087	81.408	ng		-0.03
45) 2-Fluorobiphenyl	12.963	172	4428408	76.978	ng		-0.02
79) Terphenyl-d14	19.886	244	6524137	86.126	ng		-0.04
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	303991	39.127	ng		99
3) Pyridine	3.687	79	791089	38.560	ng		98
4) n-Nitrosodimethylamine	3.599	42	284506	41.785	ng		96
6) Aniline	7.069	93	907946	40.398	ng		100
8) 2-Chlorophenol	7.304	128	810577	39.525	ng		100
9) Benzaldehyde	6.881	77	601302	48.331	ng		100
10) Phenol	6.940	94	1015048	40.231	ng		97
11) bis(2-Chloroethyl)ether	7.157	93	795521	39.133	ng		98
12) 1,3-Dichlorobenzene	7.616	146	850441	38.519	ng		99
13) 1,4-Dichlorobenzene	7.763	146	862720	38.512	ng		99
14) 1,2-Dichlorobenzene	8.075	146	833788	38.546	ng		99
15) Benzyl Alcohol	7.969	79	701843	43.149	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.245	45	880547	40.074	ng		100
17) 2-Methylphenol	8.169	107	673516	41.265	ng		99
18) Hexachloroethane	8.792	117	318658	39.362	ng		98
19) n-Nitroso-di-n-propyla...	8.528	70	652676	41.945	ng		99
20) 3+4-Methylphenols	8.492	107	943931	41.680	ng		99
22) Acetophenone	8.540	105	1292092	39.275	ng	#	99
24) Nitrobenzene	8.916	77	918025	39.810	ng		100
25) Isophorone	9.439	82	1728751	40.971	ng		99
26) 2-Nitrophenol	9.616	139	483249	42.822	ng		96
27) 2,4-Dimethylphenol	9.681	122	575359	40.604	ng		99
28) bis(2-Chloroethoxy)met...	9.910	93	1125374	39.481	ng		100
29) 2,4-Dichlorophenol	10.151	162	788851	40.829	ng		100
30) 1,2,4-Trichlorobenzene	10.363	180	814281	39.336	ng		98
31) Naphthalene	10.551	128	2715473	38.783	ng		100
32) Benzoic acid	9.851	122	722510m	43.759	ng		
33) 4-Chloroaniline	10.657	127	1019842	41.360	ng		100
34) Hexachlorobutadiene	10.834	225	483655	39.760	ng		99
35) Caprolactam	11.457	113	297249	41.696	ng		95
36) 4-Chloro-3-methylphenol	11.786	107	955140	42.443	ng		99
37) 2-Methylnaphthalene	12.157	142	1945831	40.072	ng		98
38) 1-Methylnaphthalene	12.381	142	1914271	40.297	ng		99
40) 1,2,4,5-Tetrachloroben...	12.528	216	936432	38.659	ng		99
41) Hexachlorocyclopentadiene	12.510	237	348783	40.713	ng		98
43) 2,4,6-Trichlorophenol	12.775	196	652347	40.507	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024320.D
Acq On : 17 Apr 2025 10:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 17 11:47:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.845	196	721605	40.463	ng	98
46) 1,1'-Biphenyl	13.175	154	2512917	38.813	ng	100
47) 2-Chloronaphthalene	13.216	162	1870725	38.660	ng	98
48) 2-Nitroaniline	13.422	65	569206	41.935	ng	99
49) Acenaphthylene	14.069	152	2998391	39.357	ng	100
50) Dimethylphthalate	13.810	163	2515357	39.269	ng	100
51) 2,6-Dinitrotoluene	13.922	165	554348	40.755	ng	98
52) Acenaphthene	14.422	154	1871183	38.741	ng	99
53) 3-Nitroaniline	14.257	138	580355	40.596	ng	99
54) 2,4-Dinitrophenol	14.469	184	325391	40.612	ng	96
55) Dibenzofuran	14.757	168	3055721	38.705	ng	99
56) 4-Nitrophenol	14.580	139	498923	40.410	ng	97
57) 2,4-Dinitrotoluene	14.722	165	767312	41.354	ng	97
58) Fluorene	15.416	166	2389776	39.102	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.986	232	651223	39.593	ng	99
60) Diethylphthalate	15.192	149	2577316	39.045	ng	99
61) 4-Chlorophenyl-phenyle...	15.410	204	1166968	39.321	ng	100
62) 4-Nitroaniline	15.445	138	610318	40.328	ng	99
63) Azobenzene	15.704	77	2422645	39.931	ng	96
65) 4,6-Dinitro-2-methylph...	15.504	198	441005	41.077	ng	96
66) n-Nitrosodiphenylamine	15.633	169	2025366	39.848	ng	99
67) 4-Bromophenyl-phenylether	16.327	248	758251	40.713	ng	99
68) Hexachlorobenzene	16.445	284	898806	40.613	ng	97
69) Atrazine	16.604	200	466589	36.043	ng	100
70) Pentachlorophenol	16.798	266	646424	41.869	ng	100
71) Phenanthrene	17.198	178	3522148	37.914	ng	99
72) Anthracene	17.286	178	3552441	39.677	ng	99
73) Carbazole	17.574	167	3390104	38.752	ng	100
74) Di-n-butylphthalate	18.163	149	4367243	40.070	ng	100
75) Fluoranthene	19.286	202	4188310	37.908	ng	100
77) Benzidine	19.486	184	857502	44.305	ng	99
78) Pyrene	19.668	202	4242468	43.721	ng	99
80) Butylbenzylphthalate	20.621	149	1762704	42.411	ng	98
81) Benzo(a)anthracene	21.586	228	3731230	39.316	ng	100
82) 3,3'-Dichlorobenzidine	21.509	252	1269468	38.110	ng	99
83) Chrysene	21.656	228	3510804	38.613	ng	100
84) Bis(2-ethylhexyl)phtha...	21.521	149	2254612	37.004	ng	100
85) Di-n-octyl phthalate	22.809	149	3374503	34.068	ng	100
87) Indeno(1,2,3-cd)pyrene	28.756	276	3550630	37.391	ng	99
88) Benzo(b)fluoranthene	23.898	252	3448271	42.058	ng	99
89) Benzo(k)fluoranthene	23.968	252	3240345	40.916	ng	100
90) Benzo(a)pyrene	24.803	252	2873369	40.629	ng	99
91) Dibenzo(a,h)anthracene	28.833	278	2945227	37.367	ng	98
92) Benzo(g,h,i)perylene	29.933	276	3011818	37.541	ng	98

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

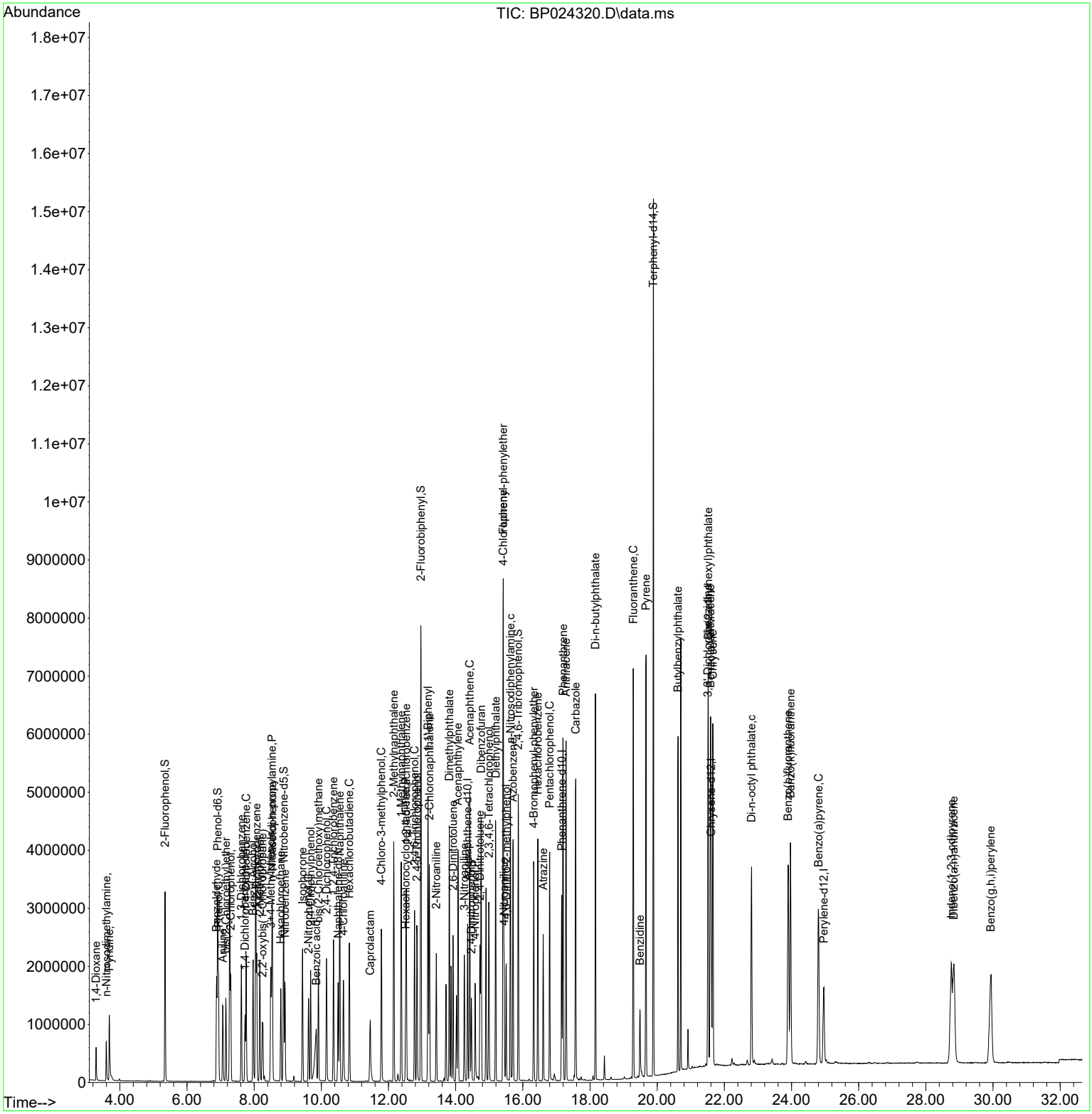
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Data File : BP024320.D
Acq On : 17 Apr 2025 10:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

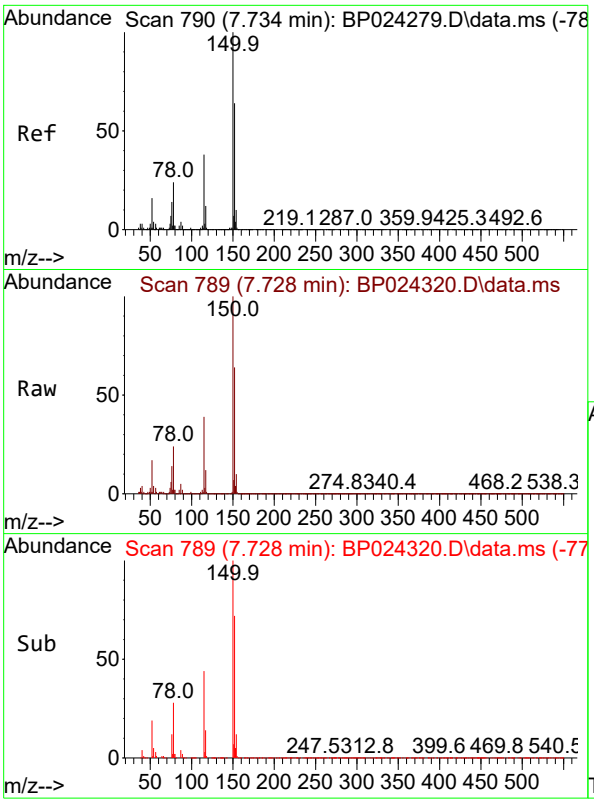
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/18/2025
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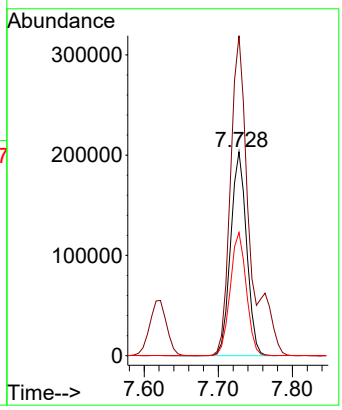




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:152 Resp: 30371

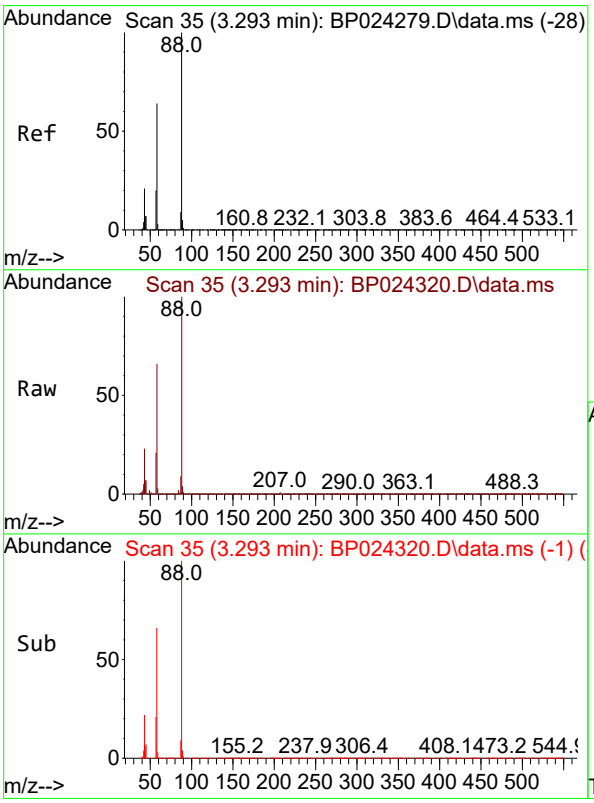
Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.9	187.3
115	60.5	47.7	71.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

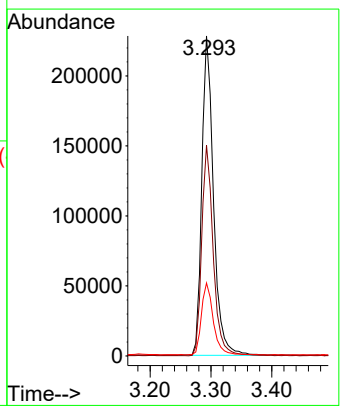
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

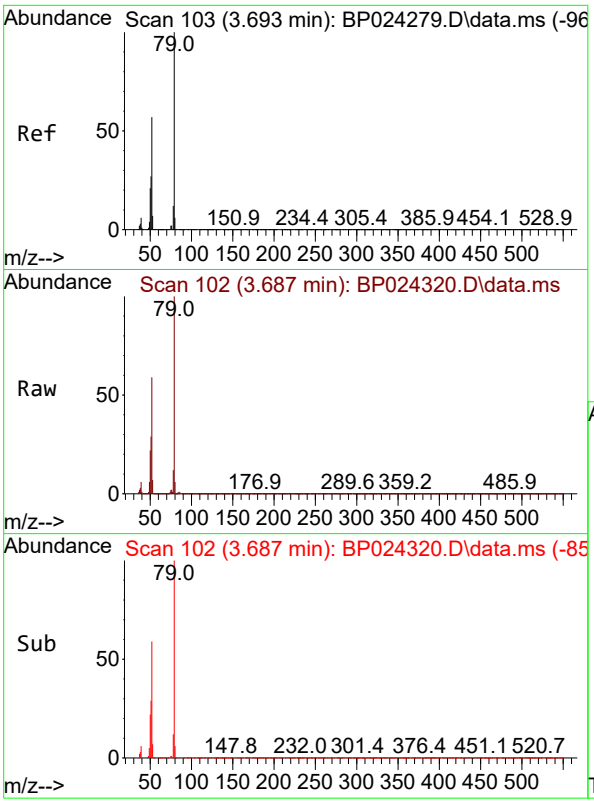


#2
1,4-Dioxane
Concen: 39.127 ng
RT: 3.293 min Scan# 35
Delta R.T. -0.000 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion: 88 Resp: 303991

Ion	Ratio	Lower	Upper
88	100		
58	65.0	51.4	77.2
43	22.7	17.1	25.7

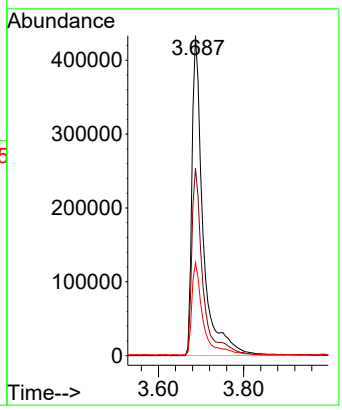




#3
Pyridine
Concen: 38.560 ng
RT: 3.687 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion: 79 Resp: 79108

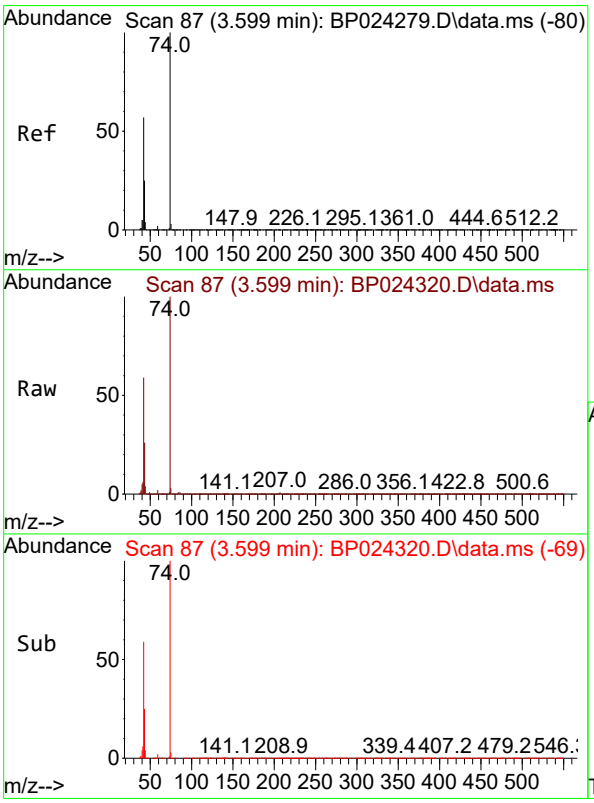
Ion	Ratio	Lower	Upper
79	100		
52	58.5	45.4	68.2
51	29.1	22.6	33.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

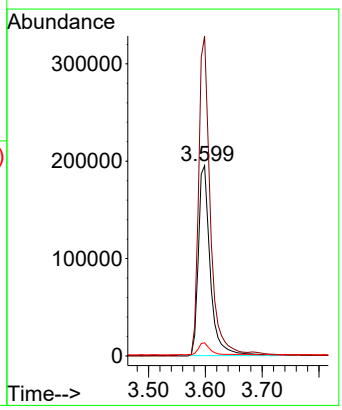
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

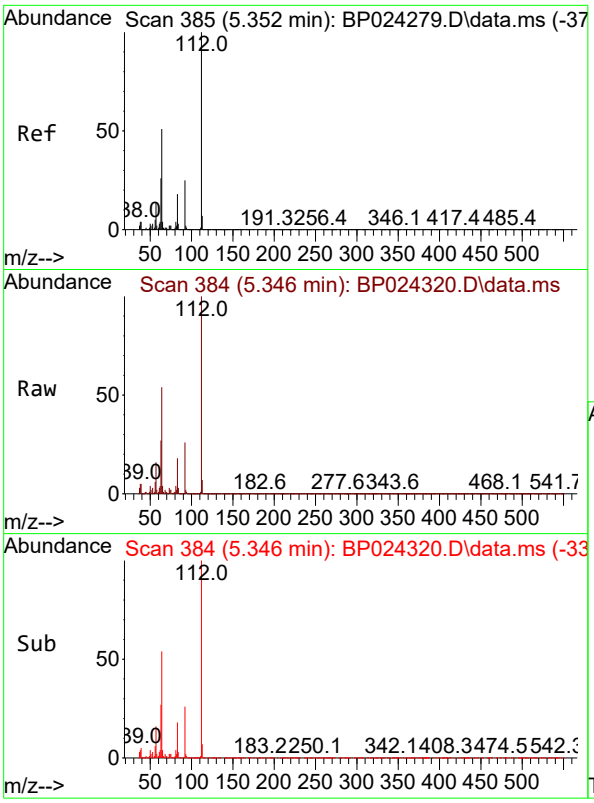


#4
n-Nitrosodimethylamine
Concen: 41.785 ng
RT: 3.599 min Scan# 87
Delta R.T. 0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion: 42 Resp: 284506

Ion	Ratio	Lower	Upper
42	100		
74	168.2	139.5	209.3
44	6.9	5.8	8.8

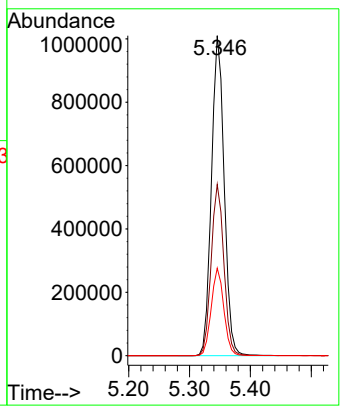




#5
2-Fluorophenol
Concen: 79.849 ng
RT: 5.346 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:112 Resp: 146669

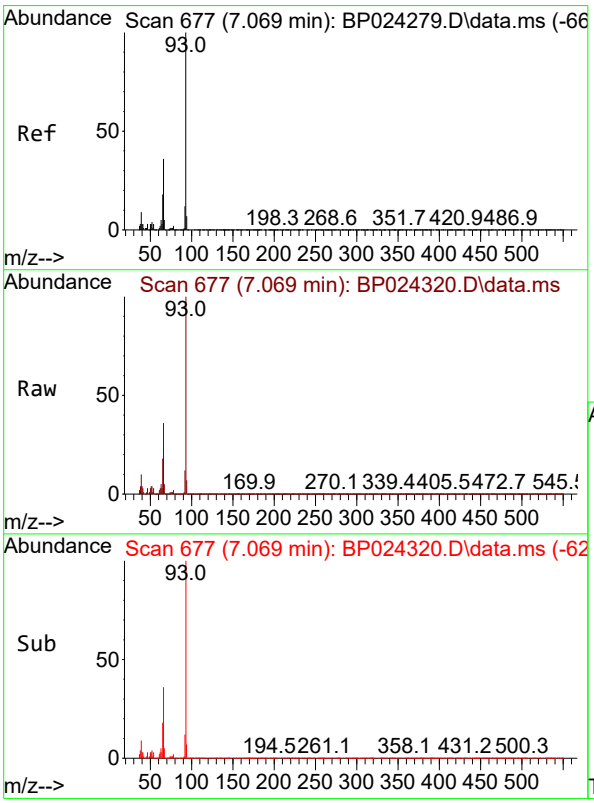
Ion	Ratio	Lower	Upper
112	100		
64	53.5	41.1	61.7
63	27.4	20.6	30.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

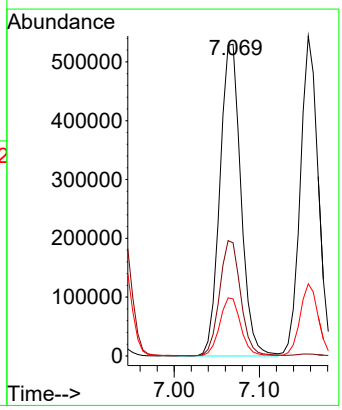
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

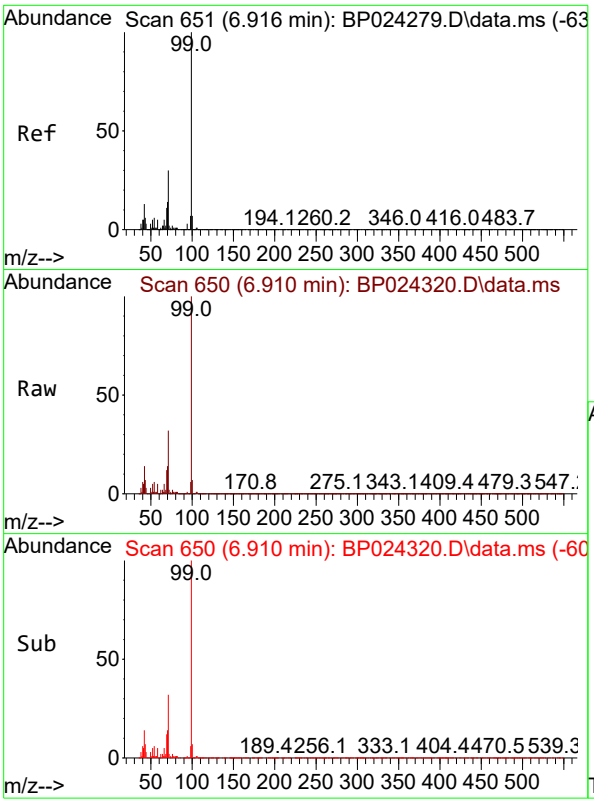


#6
Aniline
Concen: 40.398 ng
RT: 7.069 min Scan# 677
Delta R.T. -0.000 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion: 93 Resp: 907946

Ion	Ratio	Lower	Upper
93	100		
66	36.3	29.1	43.7
65	18.3	14.7	22.1

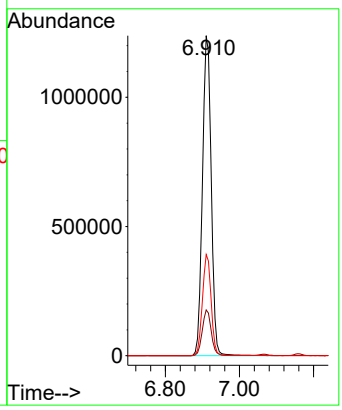




#7
Phenol-d6
Concen: 80.815 ng
RT: 6.910 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion: 99 Resp: 203261

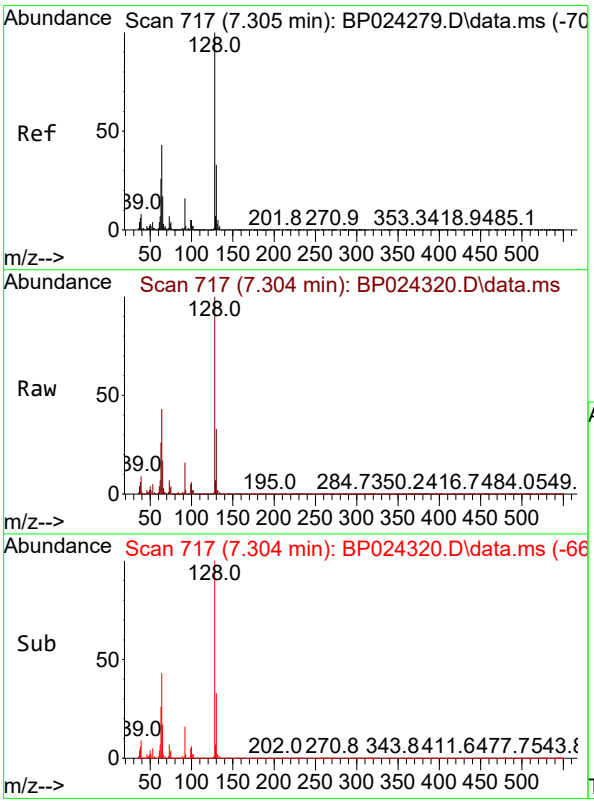
Ion	Ratio	Lower	Upper
99	100		
42	14.3	10.6	16.0
71	31.6	23.7	35.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

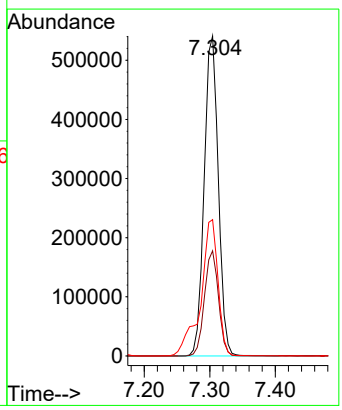
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

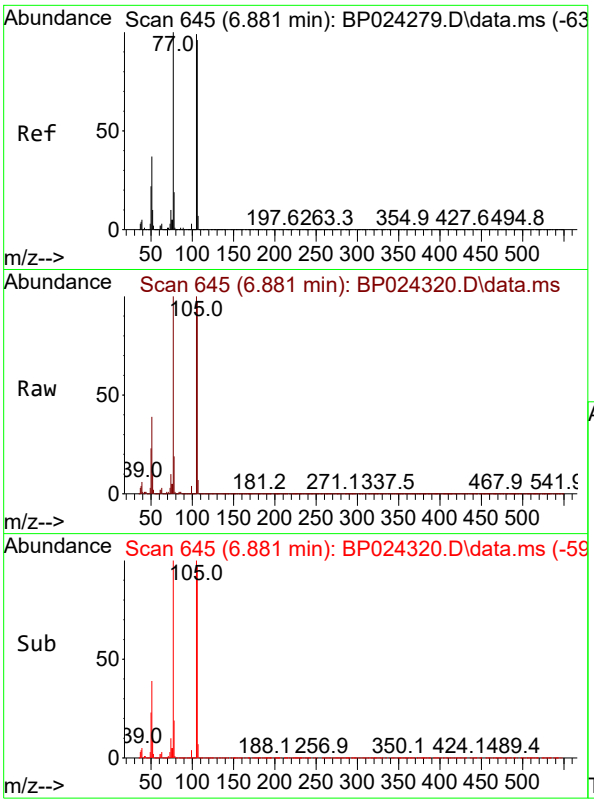


#8
2-Chlorophenol
Concen: 39.525 ng
RT: 7.304 min Scan# 717
Delta R.T. -0.000 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:128 Resp: 810577

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.9	52.9
64	42.6	22.7	62.7

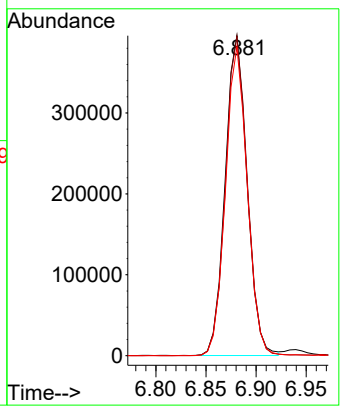




#9
Benzaldehyde
Concen: 48.331 ng
RT: 6.881 min Scan# 64
Delta R.T. -0.000 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion: 77 Resp: 60130

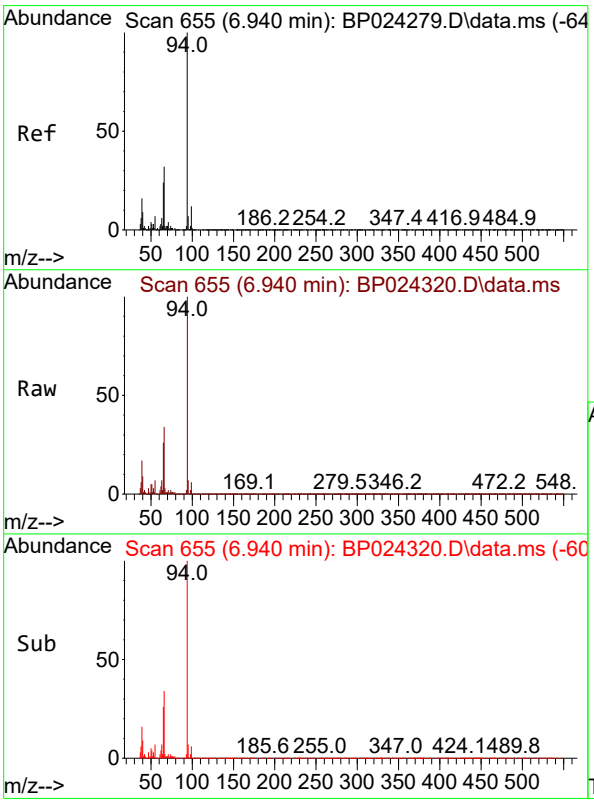
Ion	Ratio	Lower	Upper
77	100		
105	99.8	79.2	119.2
106	96.5	76.2	116.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

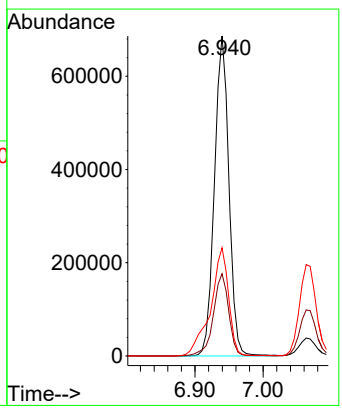
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

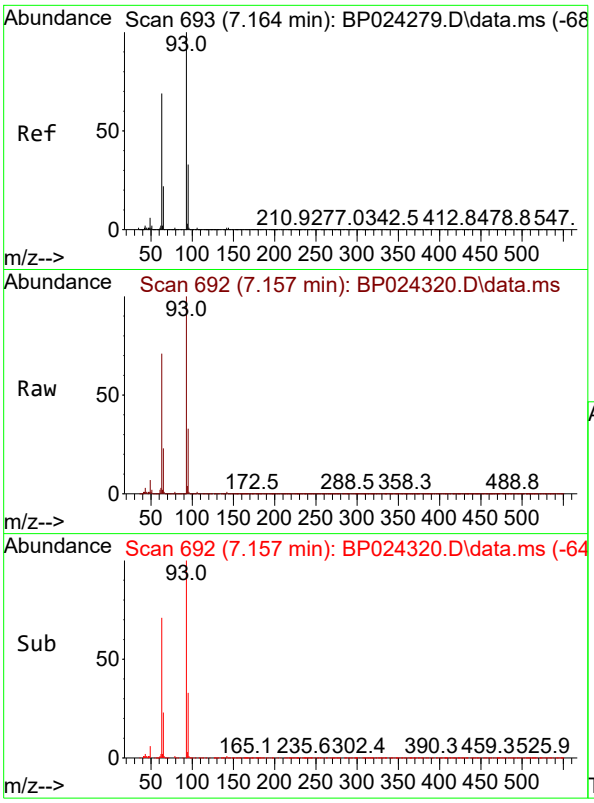


#10
Phenol
Concen: 40.231 ng
RT: 6.940 min Scan# 655
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion: 94 Resp: 1015048

Ion	Ratio	Lower	Upper
94	100		
65	25.7	4.5	44.5
66	33.8	12.4	52.4

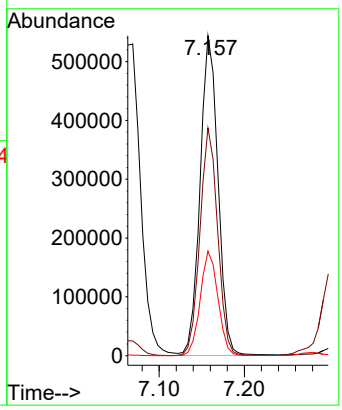




#11
bis(2-Chloroethyl)ether
Concen: 39.133 ng
RT: 7.157 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion: 93 Resp: 79552

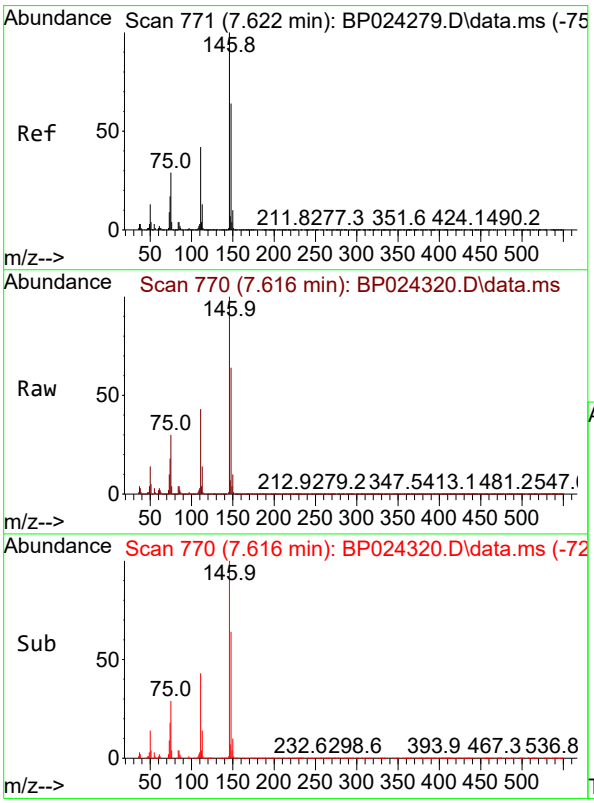
Ion	Ratio	Lower	Upper
93	100		
63	71.2	48.6	88.6
95	32.6	12.3	52.3



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

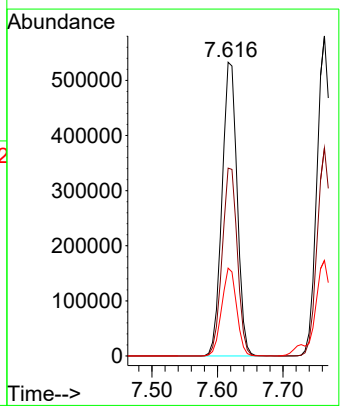
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

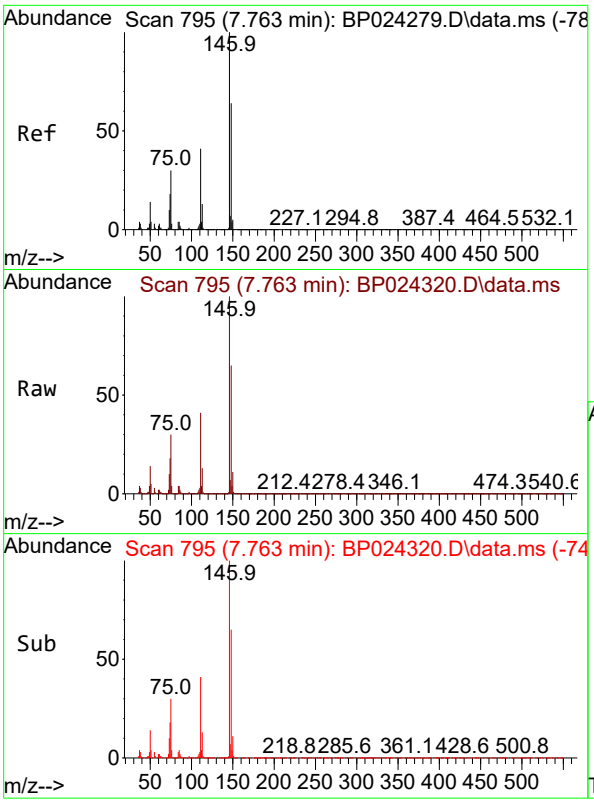


#12
1,3-Dichlorobenzene
Concen: 38.519 ng
RT: 7.616 min Scan# 770
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:146 Resp: 850441

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.4	77.0
75	29.9	22.9	34.3





#13
1,4-Dichlorobenzene
Concen: 38.512 ng
RT: 7.763 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

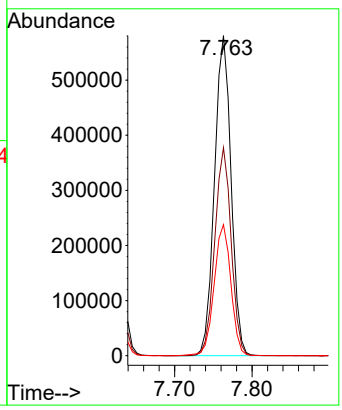
Tgt Ion:146 Resp: 86272

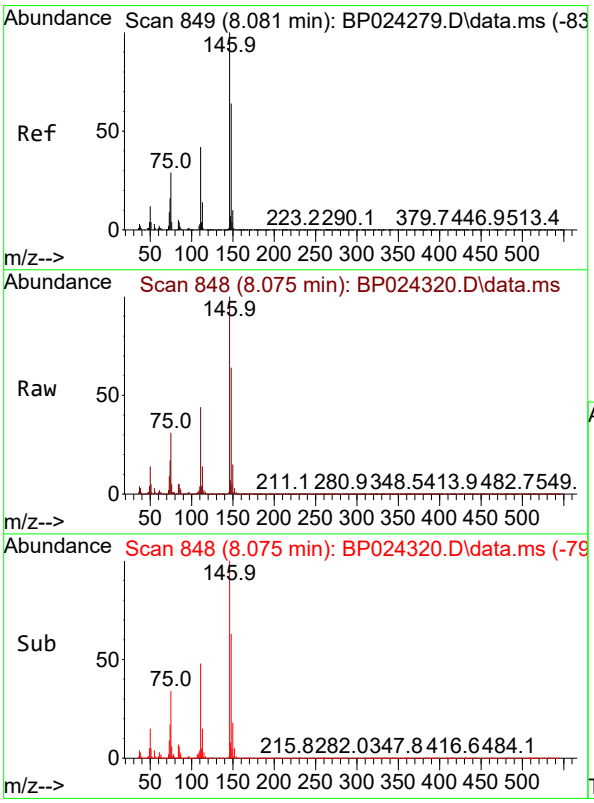
Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.1	76.7
111	41.0	32.6	48.8

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

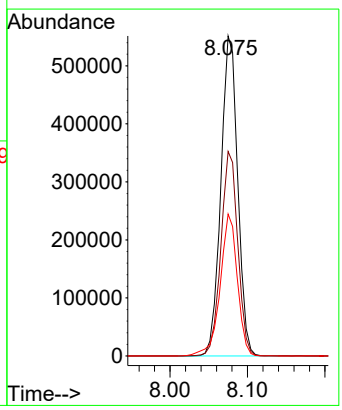


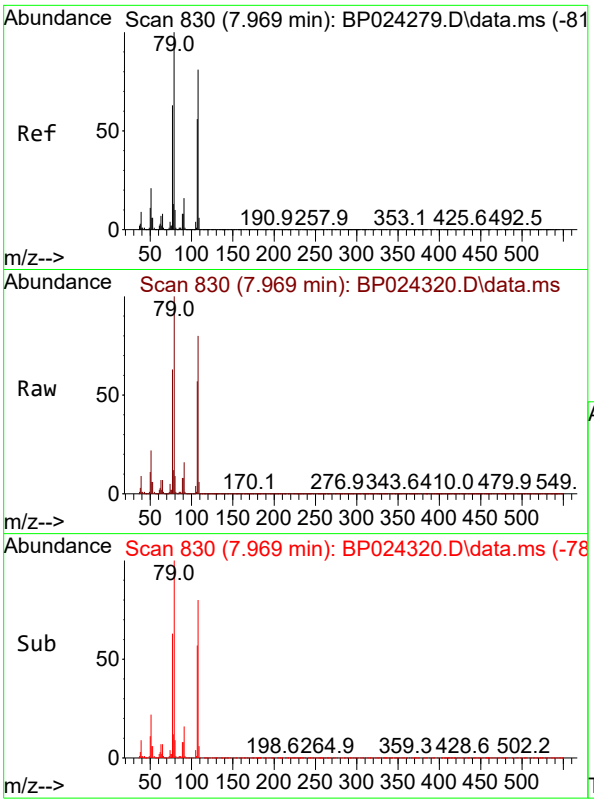


#14
1,2-Dichlorobenzene
Concen: 38.546 ng
RT: 8.075 min Scan# 848
Delta R.T. -0.000 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:146 Resp: 833788

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.0	76.4
111	44.3	33.8	50.8

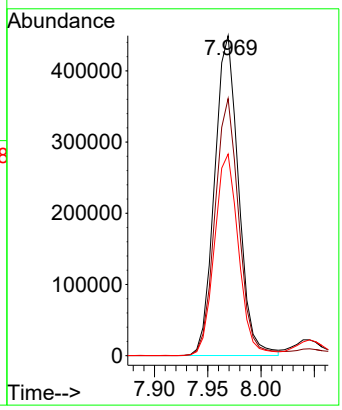




#15
Benzyl Alcohol
Concen: 43.149 ng
RT: 7.969 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion: 79 Resp: 70184

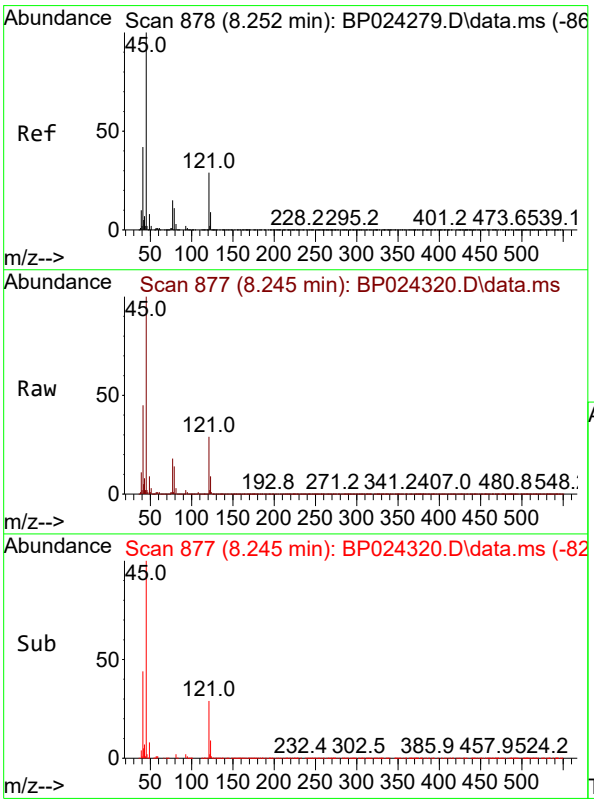
Ion	Ratio	Lower	Upper
79	100		
108	80.4	65.1	97.7
77	63.0	50.7	76.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

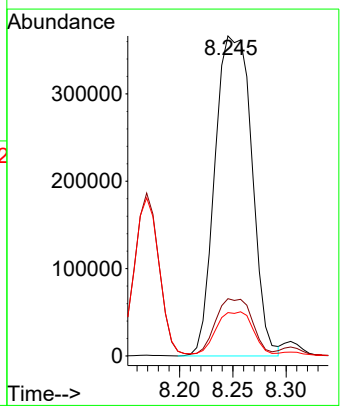
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

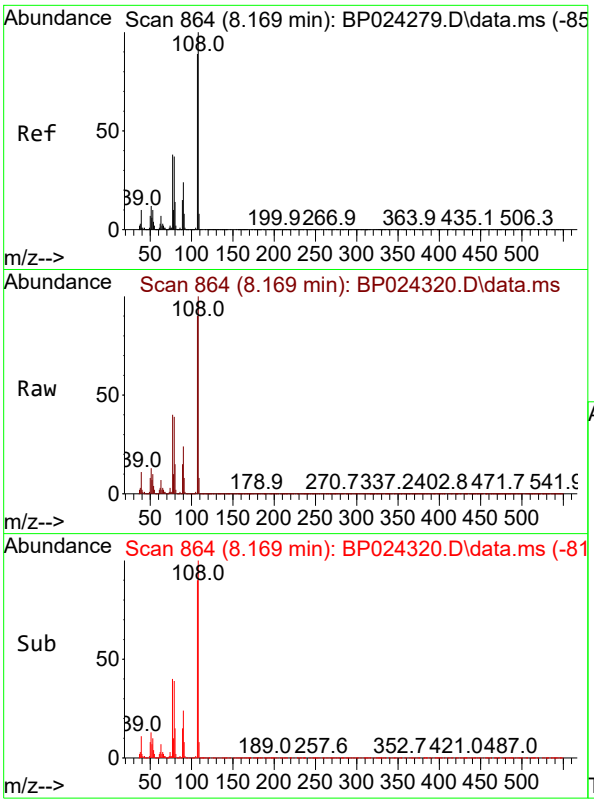


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.074 ng
RT: 8.245 min Scan# 877
Delta R.T. -0.012 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion: 45 Resp: 880547

Ion	Ratio	Lower	Upper
45	100		
77	17.9	0.0	37.7
79	13.6	0.0	33.5

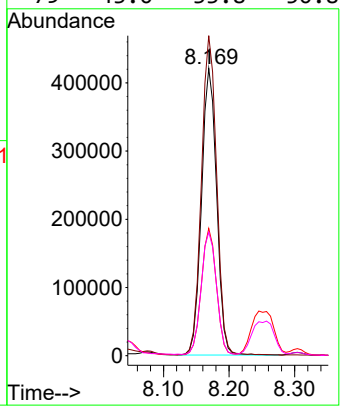




#17
2-Methylphenol
Concen: 41.265 ng
RT: 8.169 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:107 Resp: 67351

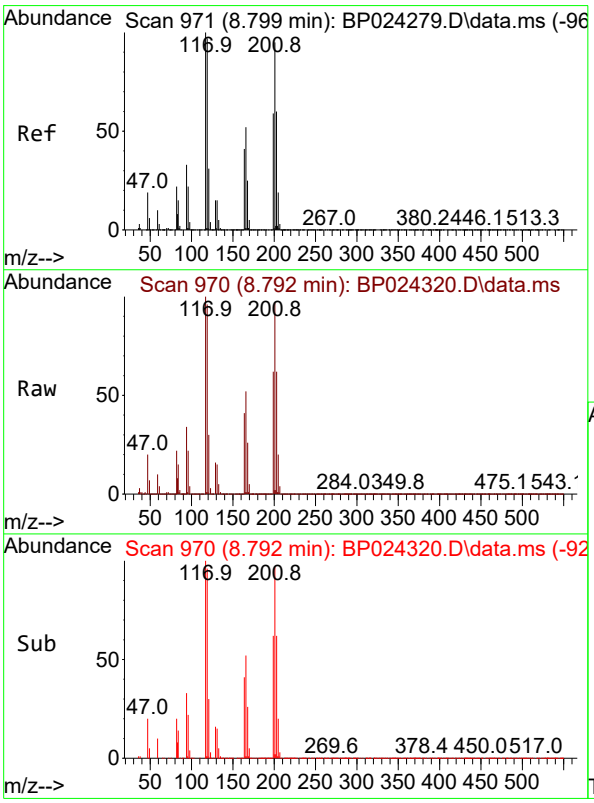
Ion	Ratio	Lower	Upper
107	100		
108	111.4	89.8	134.6
77	44.3	34.2	51.4
79	43.0	33.8	50.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

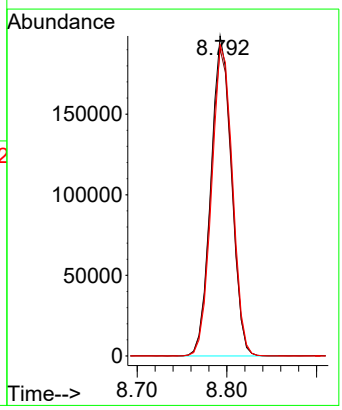
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

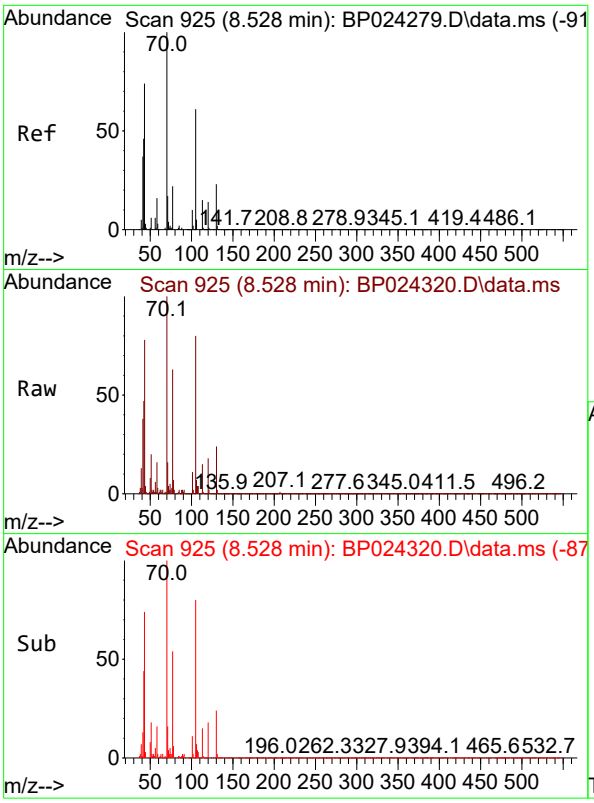


#18
Hexachloroethane
Concen: 39.362 ng
RT: 8.792 min Scan# 970
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:117 Resp: 318658

Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.8	116.6
201	97.2	75.9	113.9

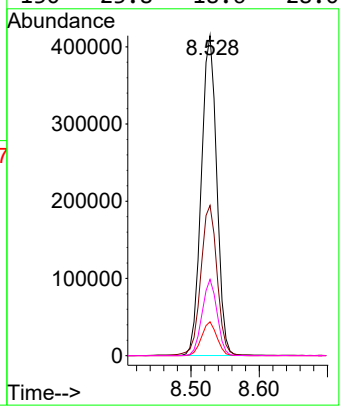




#19
n-Nitroso-di-n-propylamine
Concen: 41.945 ng
RT: 8.528 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion: 70 Resp: 65267

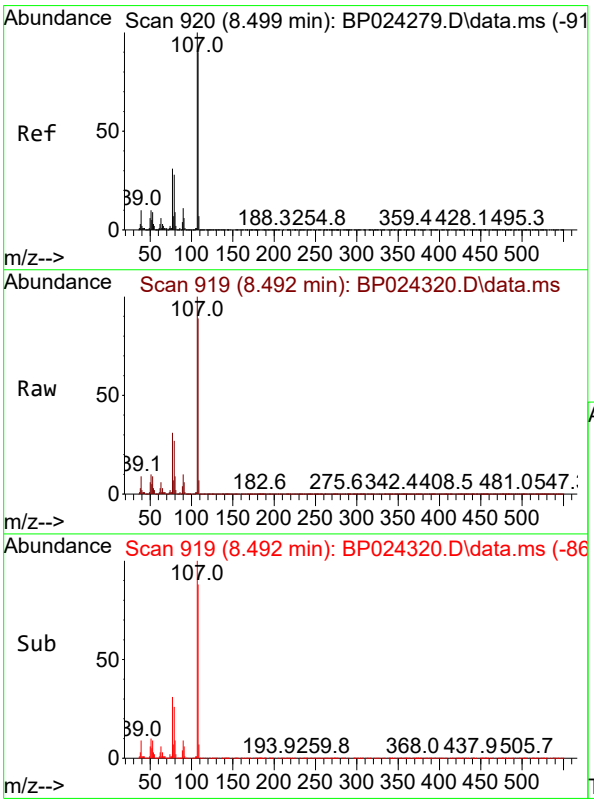
Ion	Ratio	Lower	Upper
70	100		
42	46.9	37.3	55.9
101	10.6	8.2	12.4
130	23.8	18.6	28.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

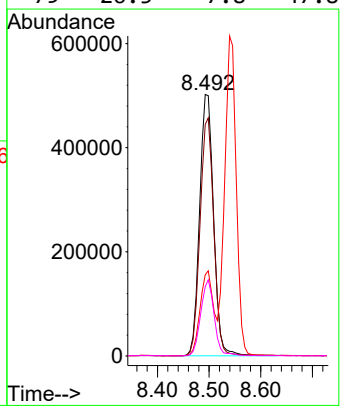
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

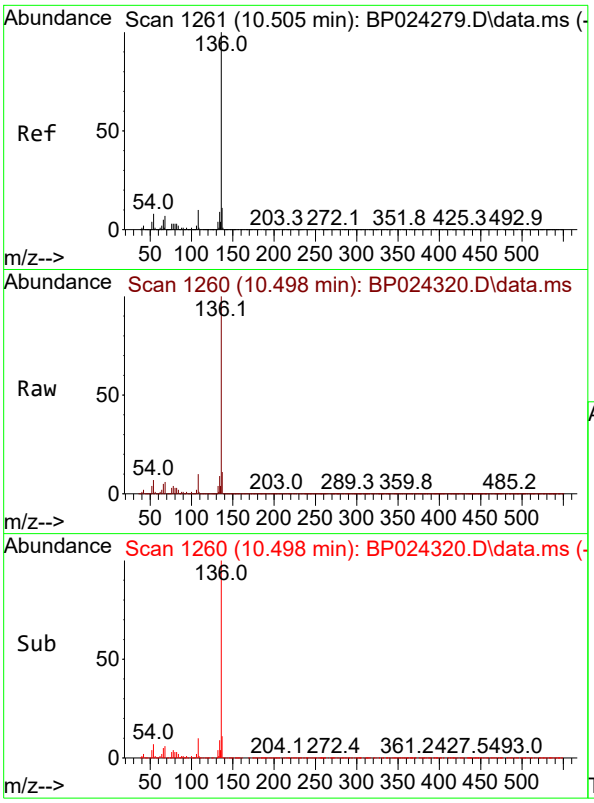


#20
3+4-Methylphenols
Concen: 41.680 ng
RT: 8.492 min Scan# 919
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:107 Resp: 943931

Ion	Ratio	Lower	Upper
107	100		
108	88.6	69.8	109.8
77	31.0	11.5	51.5
79	26.5	7.8	47.8

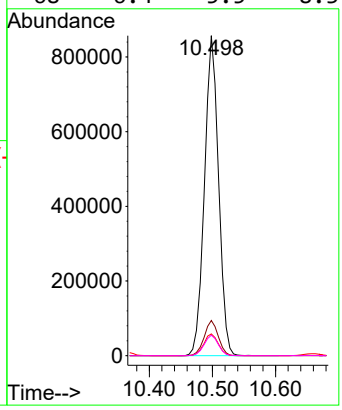




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.498 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:136 Resp: 132921

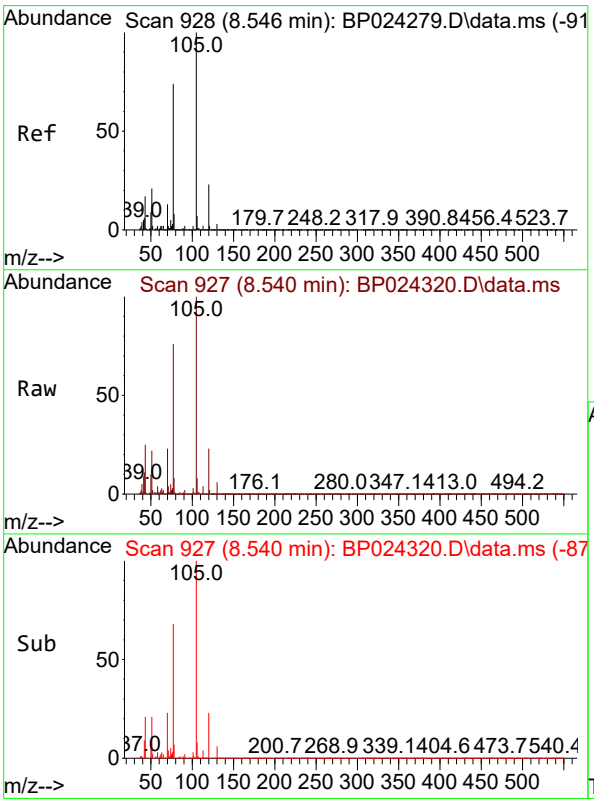
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	6.8	6.0	9.0
68	6.4	5.5	8.3



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

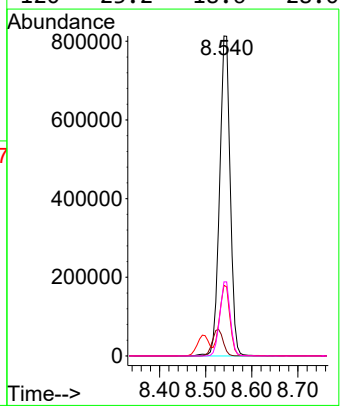
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

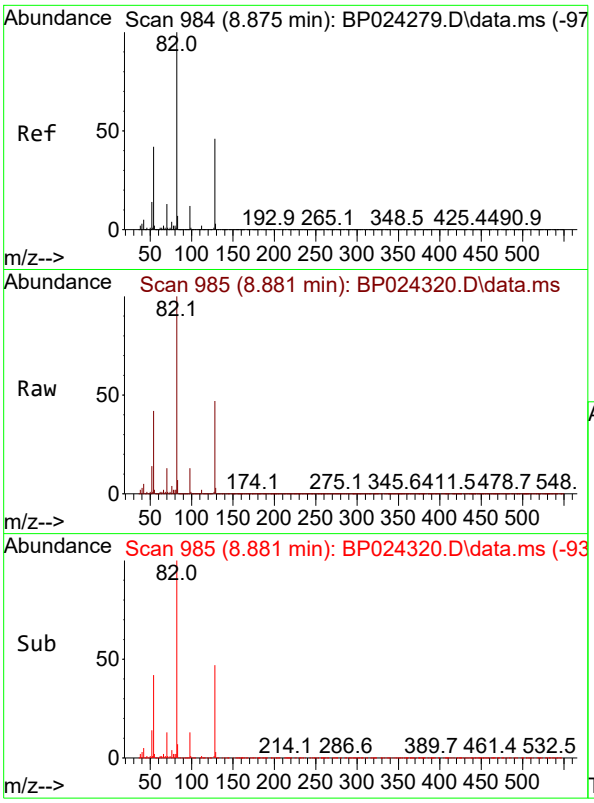


#22
Acetophenone
Concen: 39.275 ng
RT: 8.540 min Scan# 927
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:105 Resp: 1292092

Ion	Ratio	Lower	Upper
105	100		
71	3.8	1.7	2.5#
51	22.0	16.9	25.3
120	23.2	18.6	28.0

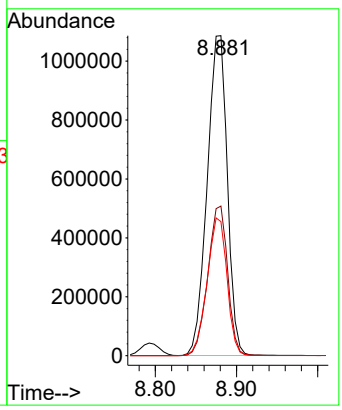




#23
Nitrobenzene-d5
Concen: 80.222 ng
RT: 8.881 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion: 82 Resp: 187004

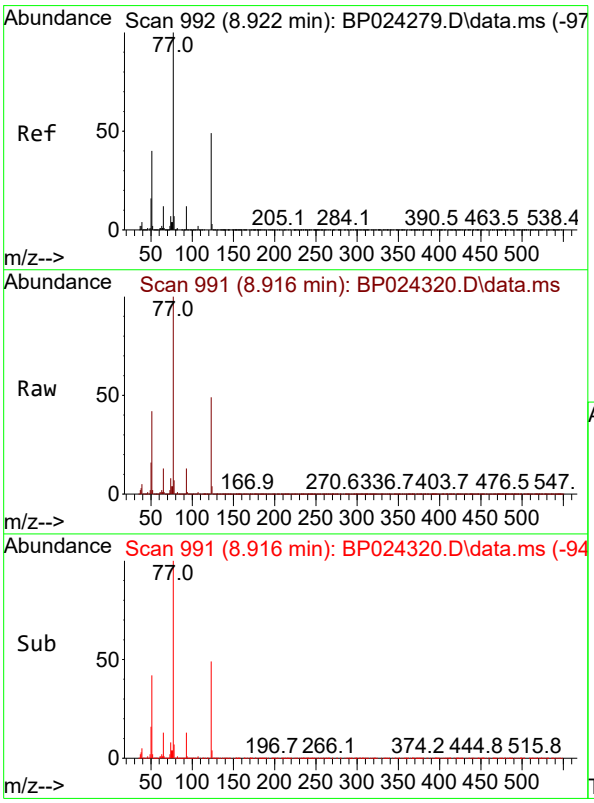
Ion	Ratio	Lower	Upper
82	100		
128	46.7	36.5	54.7
54	41.9	33.4	50.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

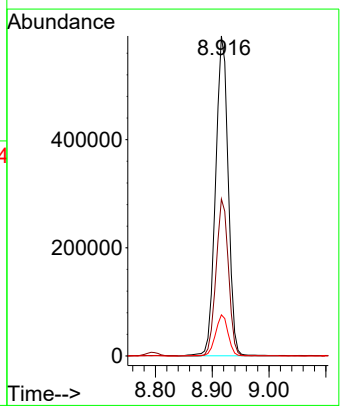
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

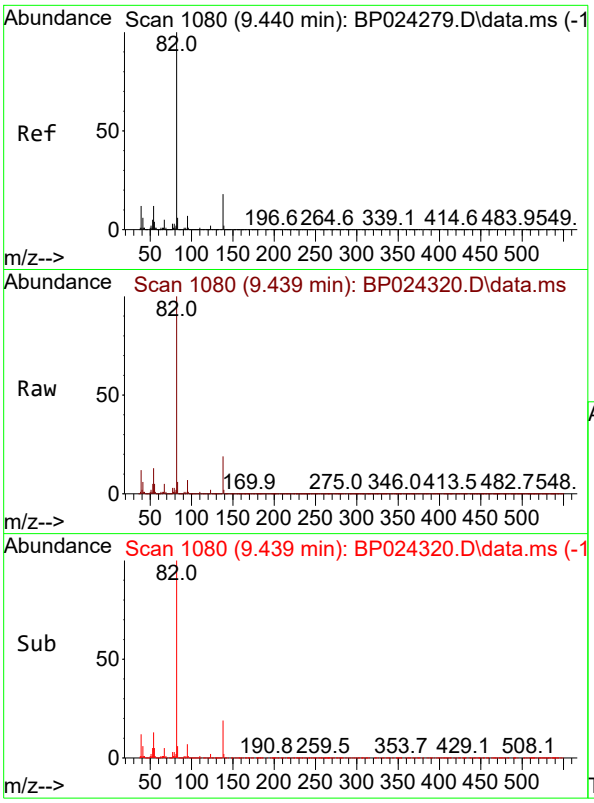


#24
Nitrobenzene
Concen: 39.810 ng
RT: 8.916 min Scan# 991
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion: 77 Resp: 918025

Ion	Ratio	Lower	Upper
77	100		
123	49.0	39.2	58.8
65	12.8	9.8	14.6

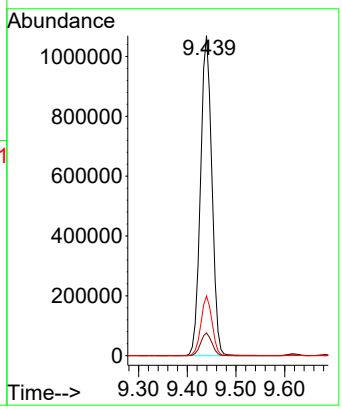




#25
Isophorone
Concen: 40.971 ng
RT: 9.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion: 82 Resp: 172875

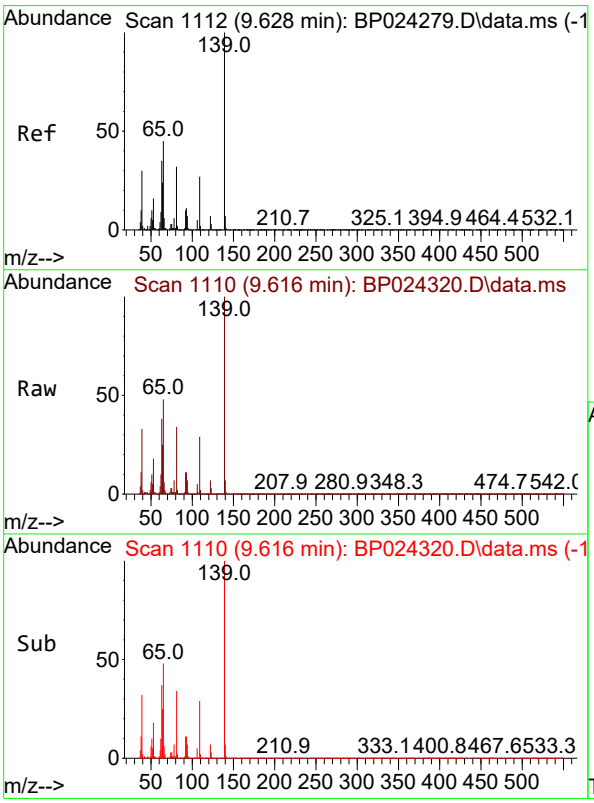
Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.4	8.2
138	18.6	14.4	21.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

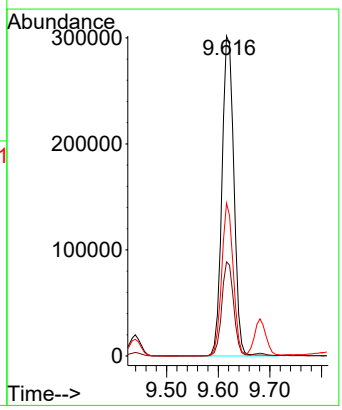
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

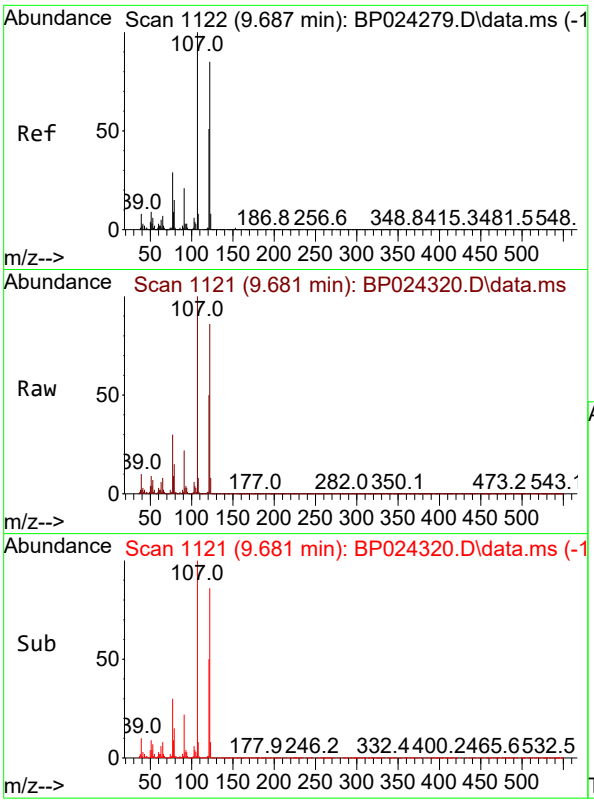


#26
2-Nitrophenol
Concen: 42.822 ng
RT: 9.616 min Scan# 1110
Delta R.T. -0.012 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:139 Resp: 483249

Ion	Ratio	Lower	Upper
139	100		
109	29.4	21.8	32.6
65	47.7	36.2	54.2

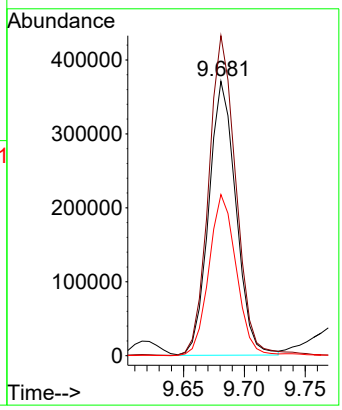




#27
2,4-Dimethylphenol
Concen: 40.604 ng
RT: 9.681 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:122 Resp: 57535

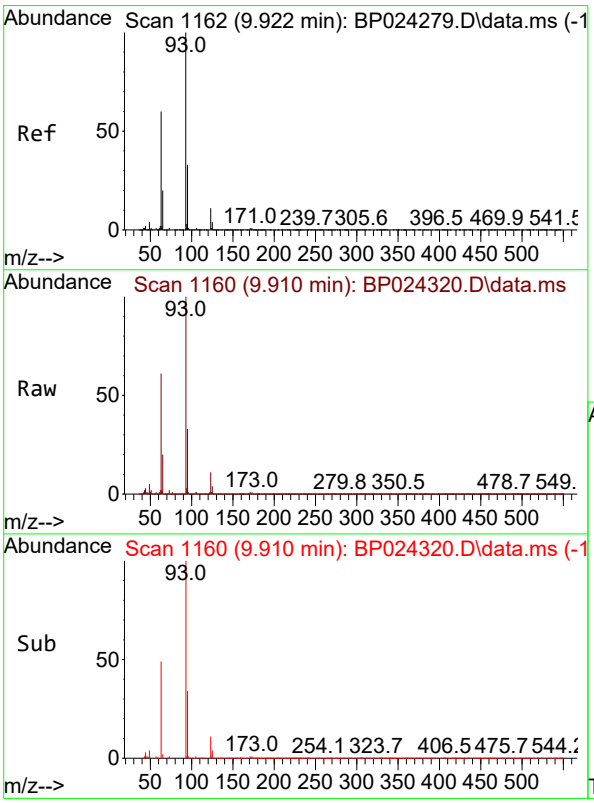
Ion	Ratio	Lower	Upper
122	100		
107	116.6	93.7	140.5
121	58.8	48.2	72.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

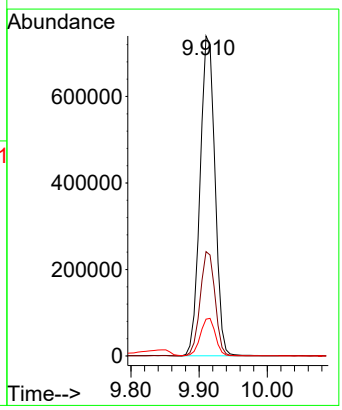
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

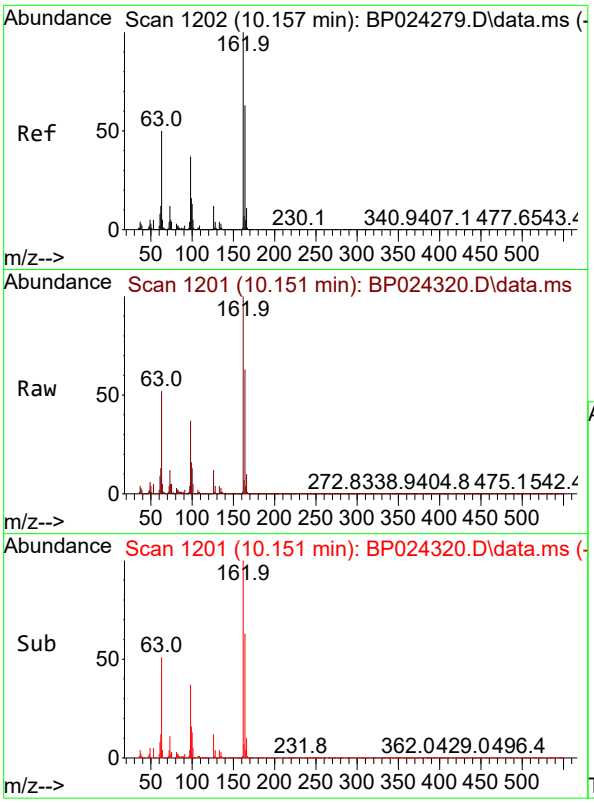


#28
bis(2-Chloroethoxy)methane
Concen: 39.481 ng
RT: 9.910 min Scan# 1160
Delta R.T. -0.012 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion: 93 Resp: 1125374

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.0	39.0
123	11.5	9.1	13.7





#29
2,4-Dichlorophenol
Concen: 40.829 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

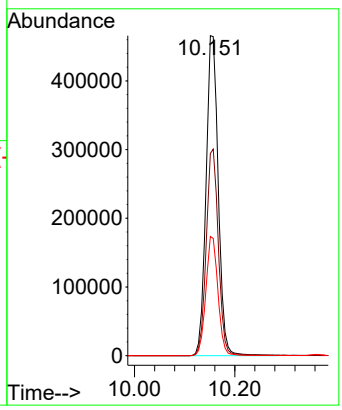
Tgt Ion:162 Resp: 78885

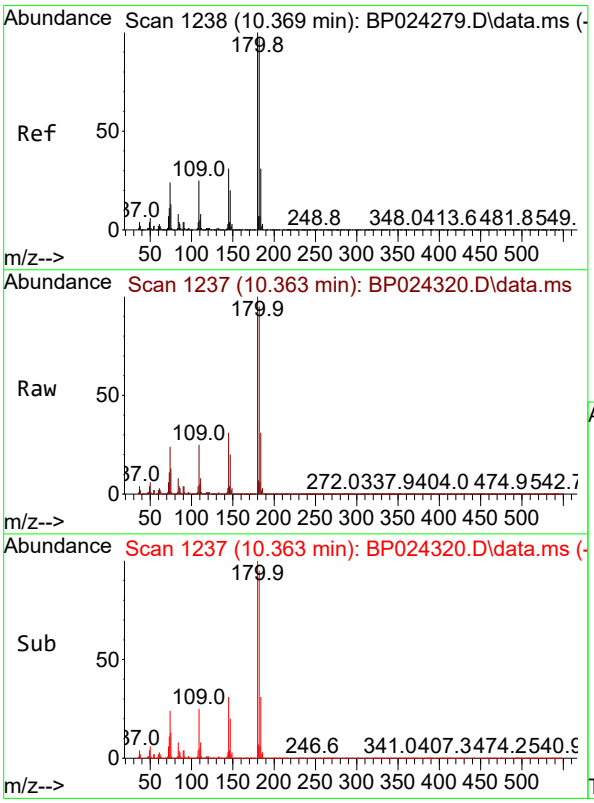
Ion	Ratio	Lower	Upper
162	100		
164	63.2	43.3	83.3
98	37.2	16.6	56.6

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

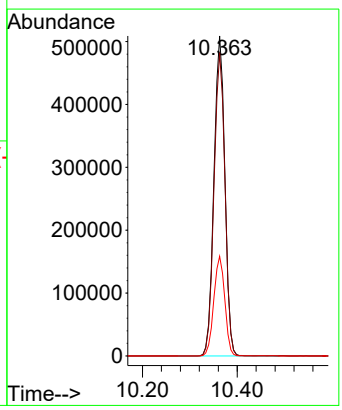


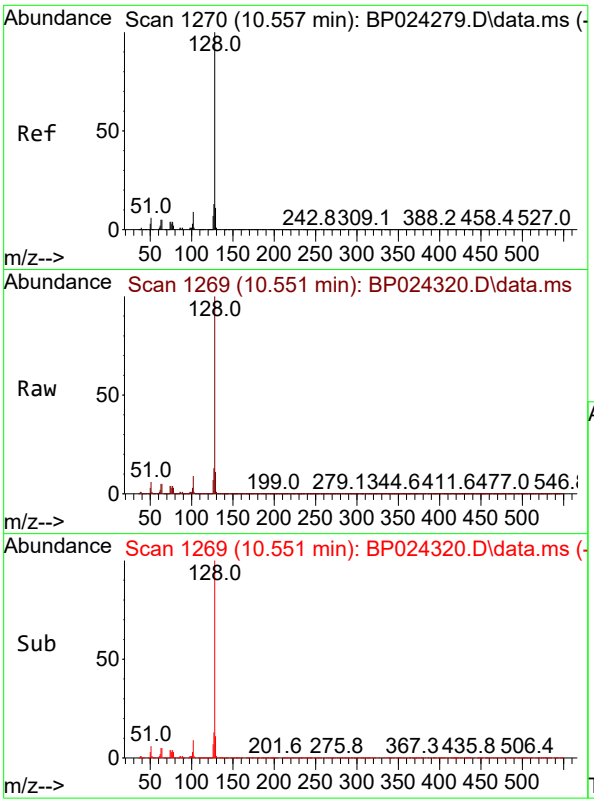


#30
1,2,4-Trichlorobenzene
Concen: 39.336 ng
RT: 10.363 min Scan# 1237
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:180 Resp: 814281

Ion	Ratio	Lower	Upper
180	100		
182	94.7	77.3	115.9
145	31.2	25.1	37.7

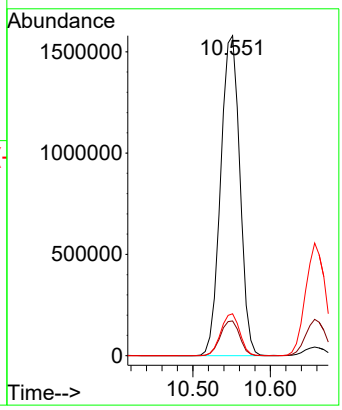




#31
Naphthalene
Concen: 38.783 ng
RT: 10.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:128 Resp: 271547

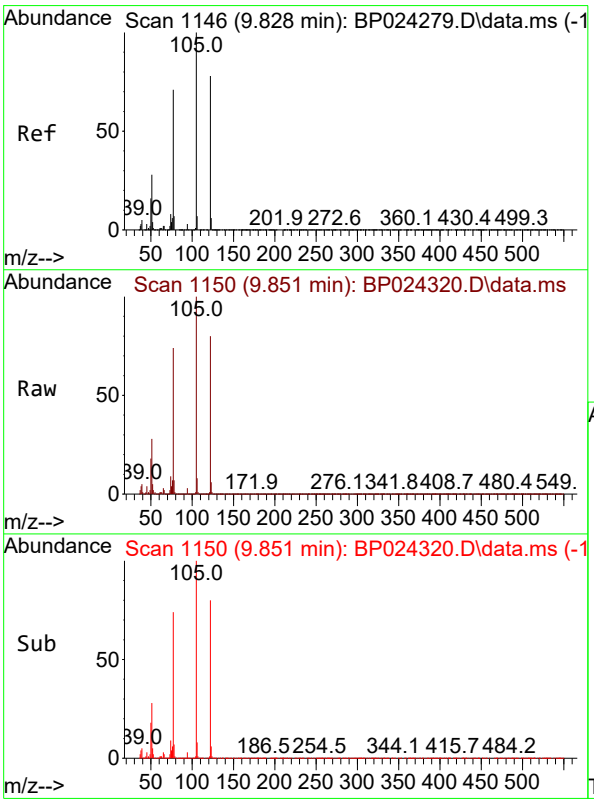
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	13.1	10.3	15.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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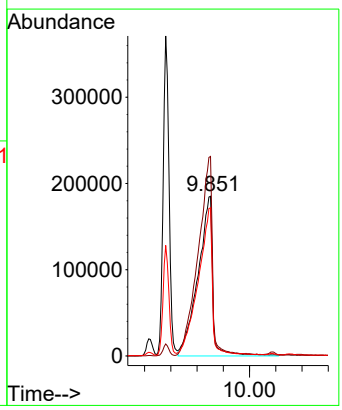
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

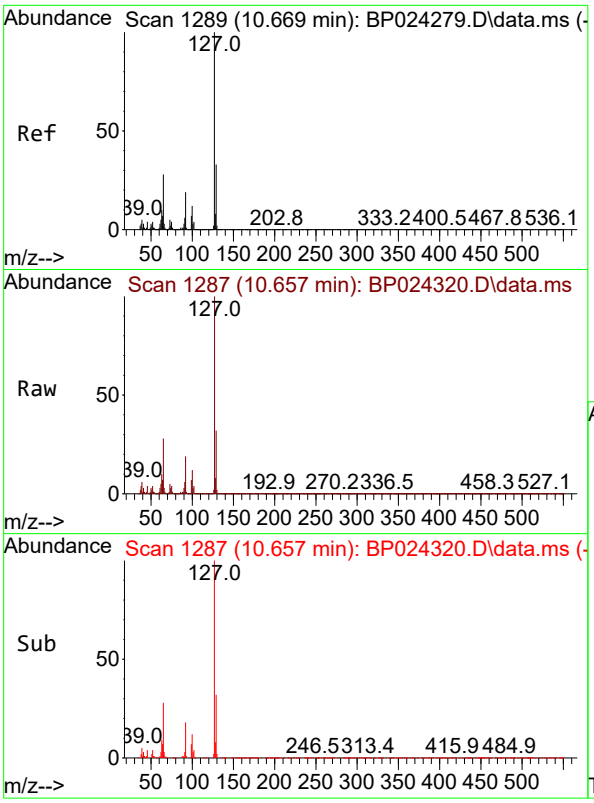


#32
Benzoic acid
Concen: 43.759 ng m
RT: 9.851 min Scan# 1150
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:122 Resp: 722510

Ion	Ratio	Lower	Upper
122	100		
105	125.0	104.8	144.8
77	92.9	69.2	109.2

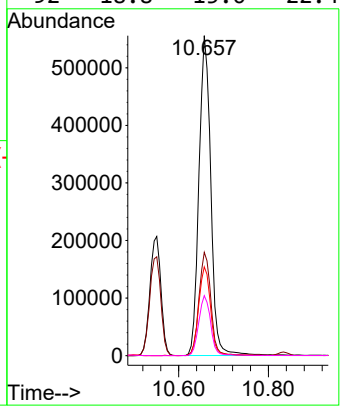




#33
4-Chloroaniline
Concen: 41.360 ng
RT: 10.657 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:127 Resp: 101984

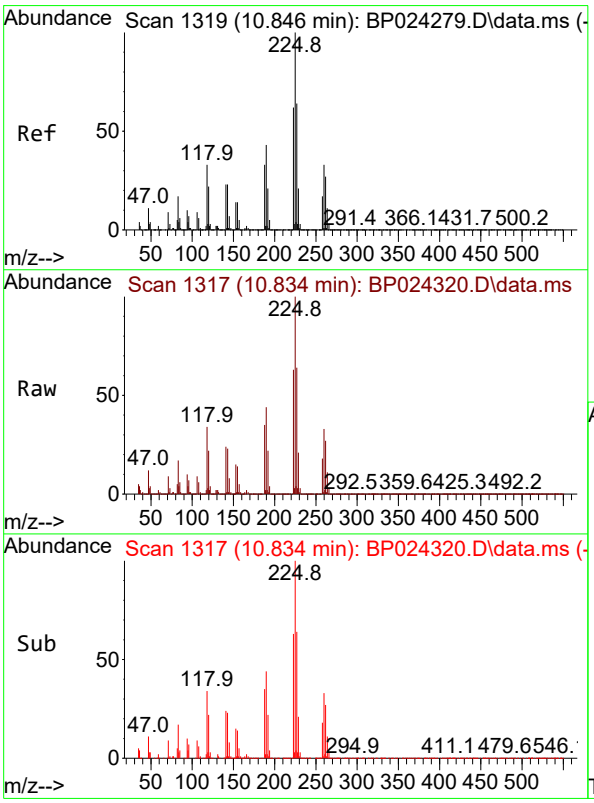
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.1	39.1
65	27.8	22.1	33.1
92	18.8	15.0	22.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

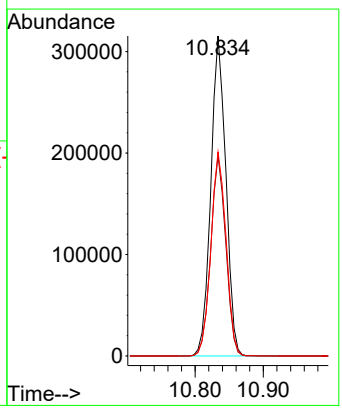
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

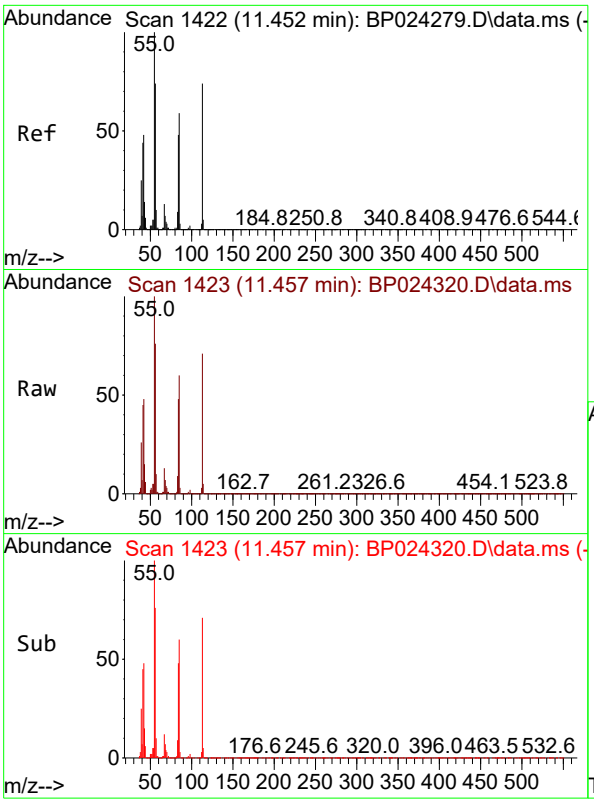


#34
Hexachlorobutadiene
Concen: 39.760 ng
RT: 10.834 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:225 Resp: 483655

Ion	Ratio	Lower	Upper
225	100		
223	62.5	49.5	74.3
227	63.8	50.9	76.3

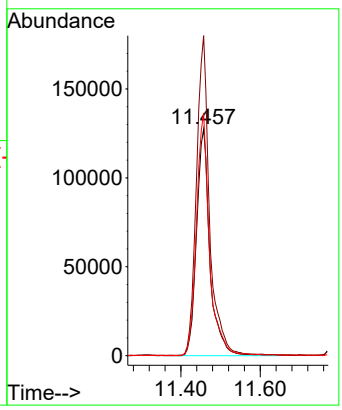




#35
Caprolactam
Concen: 41.696 ng
RT: 11.457 min Scan# 14
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:113 Resp: 29724

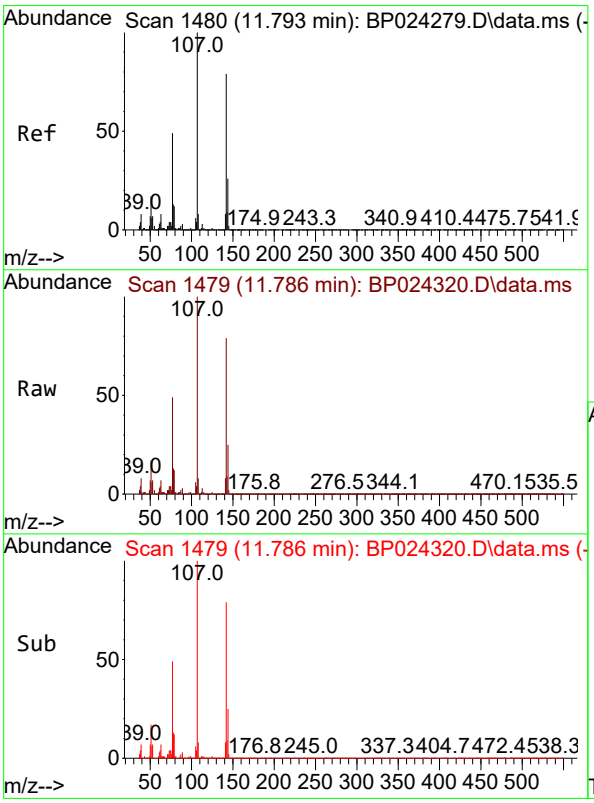
Ion	Ratio	Lower	Upper
113	100		
55	141.3	115.9	155.9
56	107.2	81.1	121.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

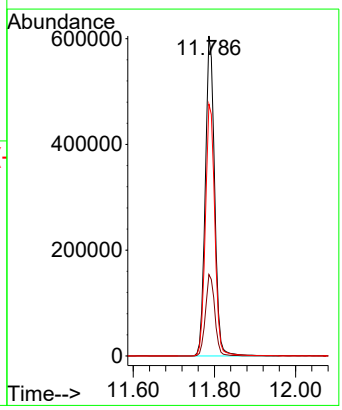
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

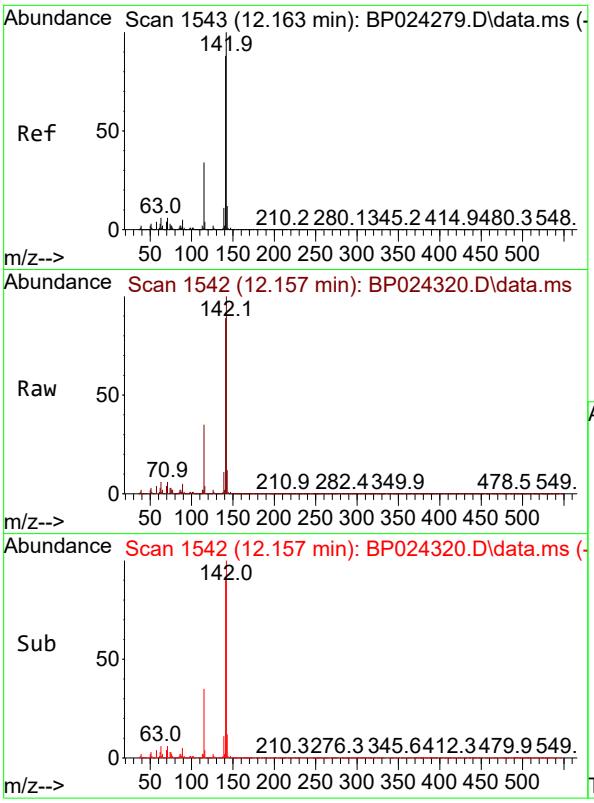


#36
4-Chloro-3-methylphenol
Concen: 42.443 ng
RT: 11.786 min Scan# 1479
Delta R.T. -0.018 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:107 Resp: 955140

Ion	Ratio	Lower	Upper
107	100		
144	25.4	20.5	30.7
142	78.7	63.4	95.2

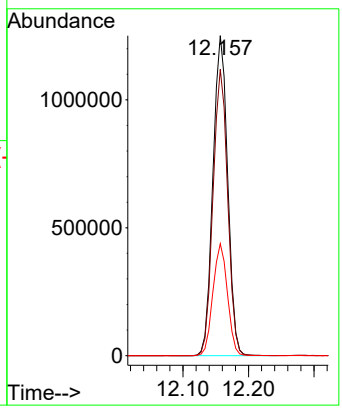




#37
2-Methylnaphthalene
Concen: 40.072 ng
RT: 12.157 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:142 Resp: 194583

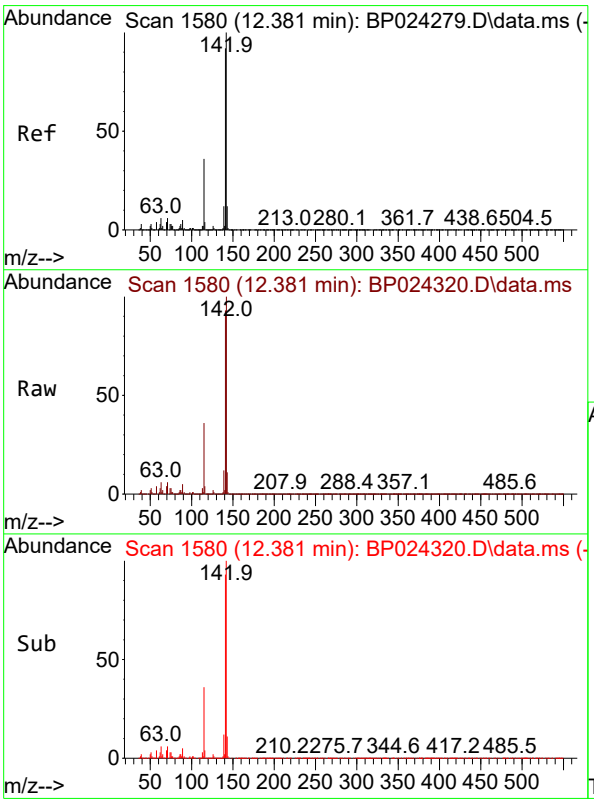
Ion	Ratio	Lower	Upper
142	100		
141	89.5	70.3	105.5
115	35.0	26.9	40.3



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

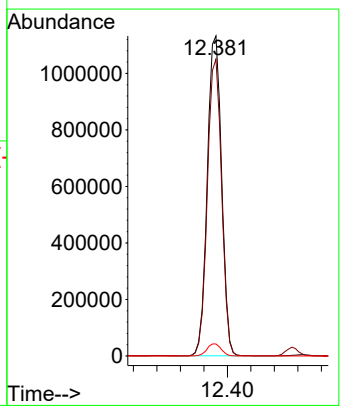
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

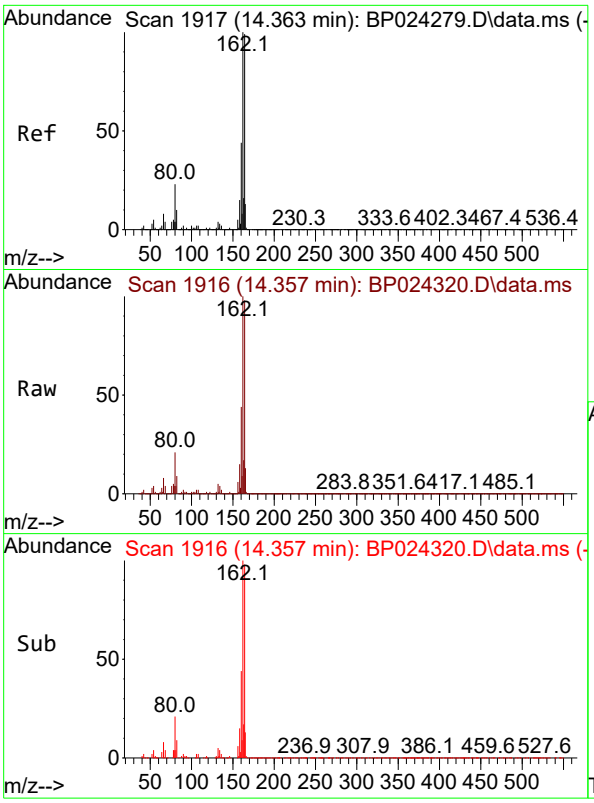


#38
1-Methylnaphthalene
Concen: 40.297 ng
RT: 12.381 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:142 Resp: 1914271

Ion	Ratio	Lower	Upper
142	100		
141	92.8	73.6	110.4
116	3.8	3.0	4.6

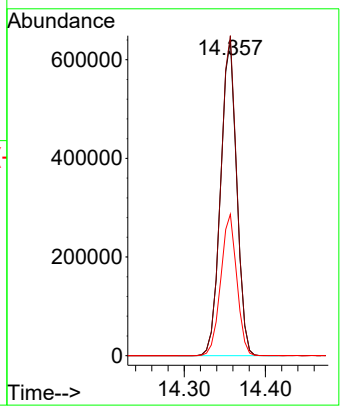




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.357 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:164 Resp: 88081

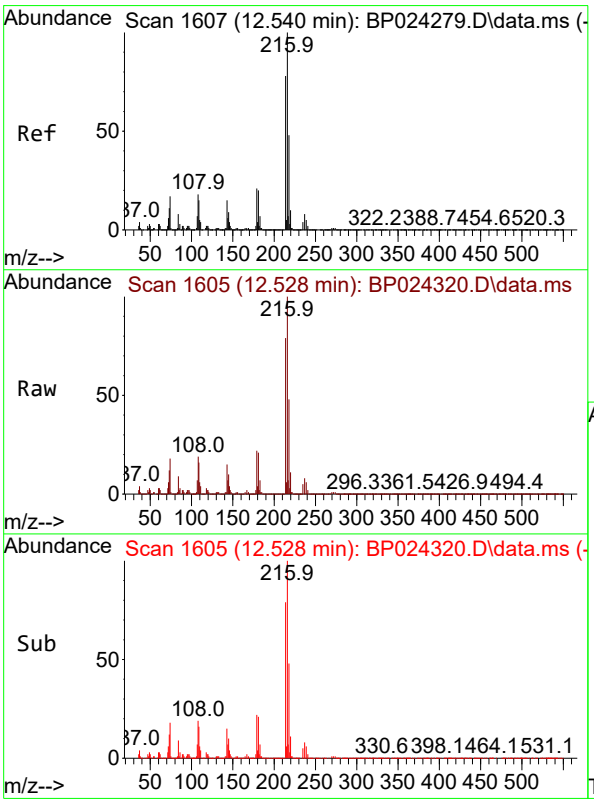
Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.6	120.8
160	44.9	35.3	52.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

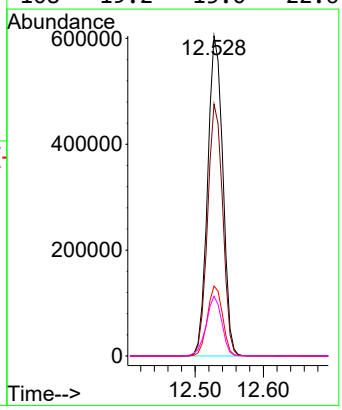
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

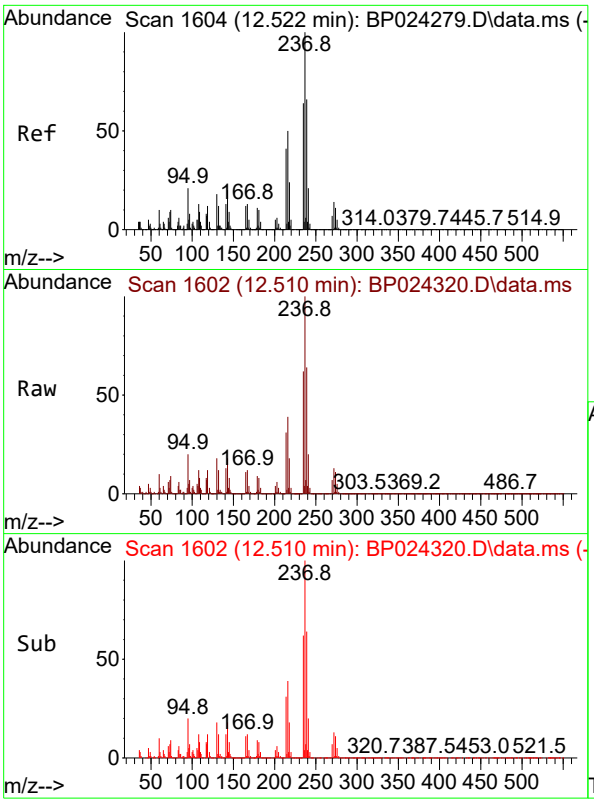


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.659 ng
RT: 12.528 min Scan# 1605
Delta R.T. -0.018 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:216 Resp: 936432

Ion	Ratio	Lower	Upper
216	100		
214	78.5	62.6	93.8
179	21.9	17.2	25.8
108	19.2	15.0	22.6

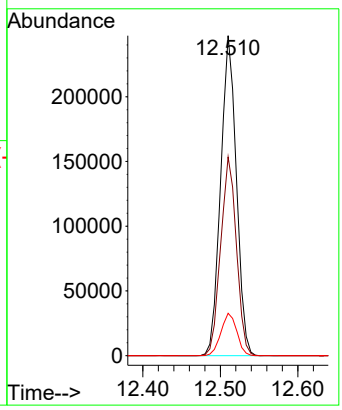




#41
Hexachlorocyclopentadiene
Concen: 40.713 ng
RT: 12.510 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:237 Resp: 34878

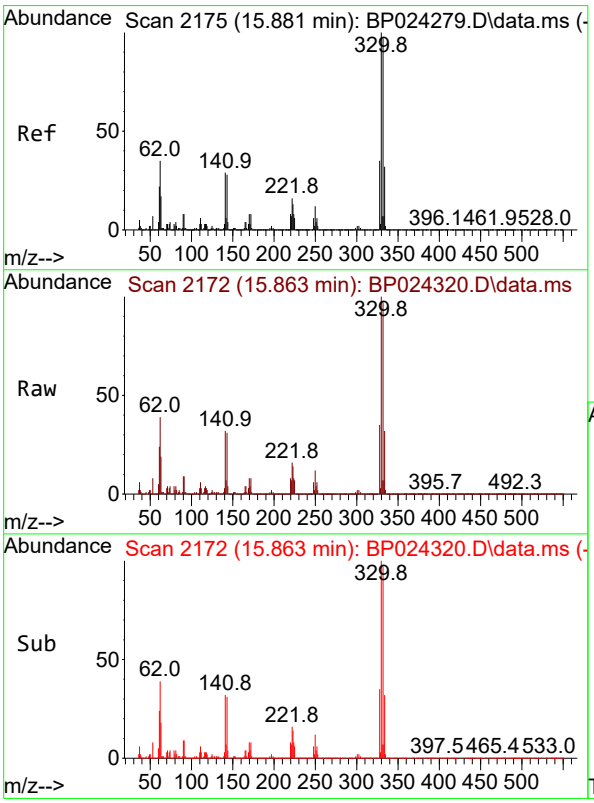
Ion	Ratio	Lower	Upper
237	100		
235	62.1	43.9	83.9
272	13.3	0.0	33.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

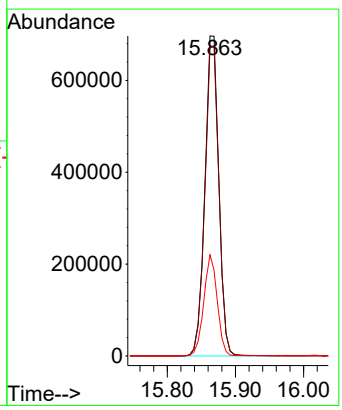
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

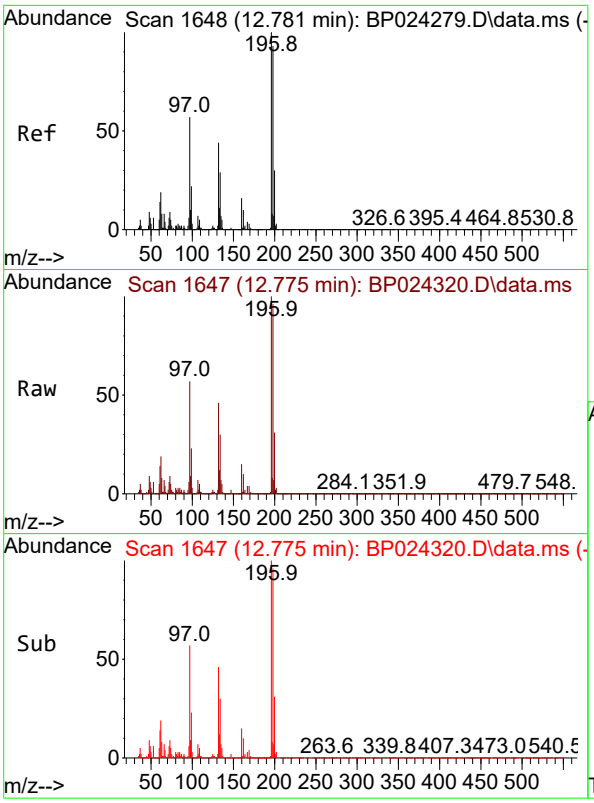


#42
2,4,6-Tribromophenol
Concen: 81.408 ng
RT: 15.863 min Scan# 2172
Delta R.T. -0.030 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:330 Resp: 992087

Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.1	115.7
141	30.5	24.7	37.1





#43
2,4,6-Trichlorophenol
Concen: 40.507 ng
RT: 12.775 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

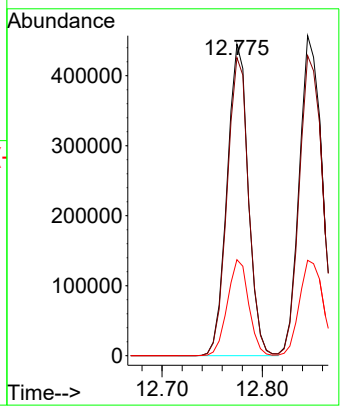
Tgt Ion:196 Resp: 65234

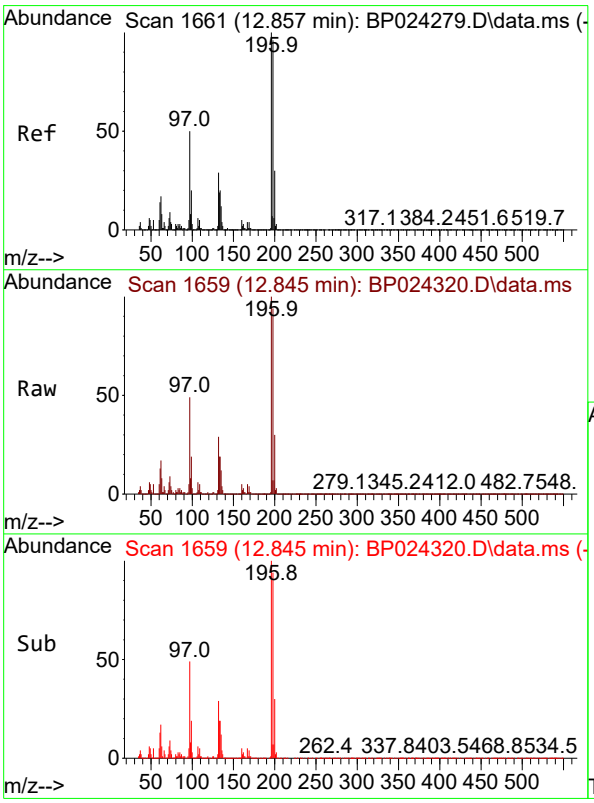
Ion	Ratio	Lower	Upper
196	100		
198	95.7	74.3	111.5
200	30.8	24.0	36.0

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

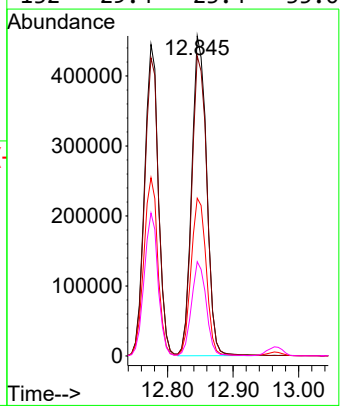


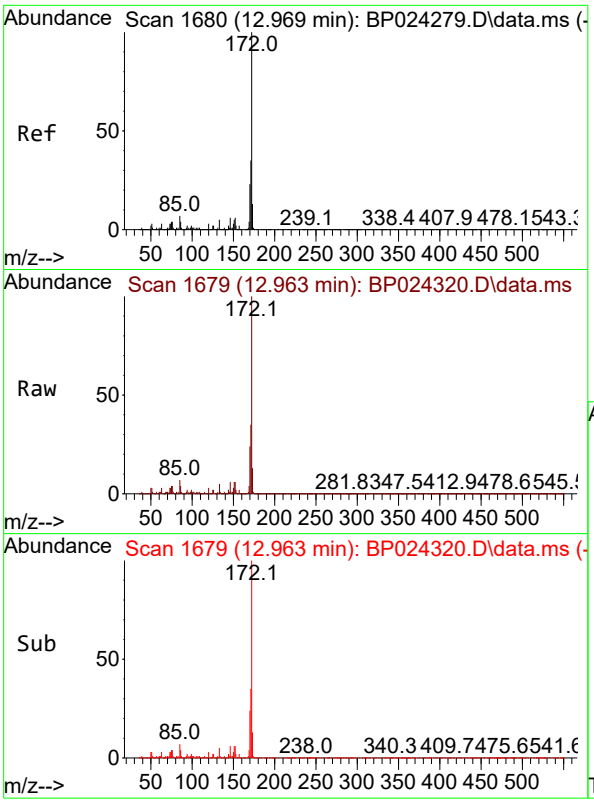


#44
2,4,5-Trichlorophenol
Concen: 40.463 ng
RT: 12.845 min Scan# 1659
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:196 Resp: 721605

Ion	Ratio	Lower	Upper
196	100		
198	93.7	77.3	115.9
97	49.3	40.4	60.6
132	29.4	23.4	35.0

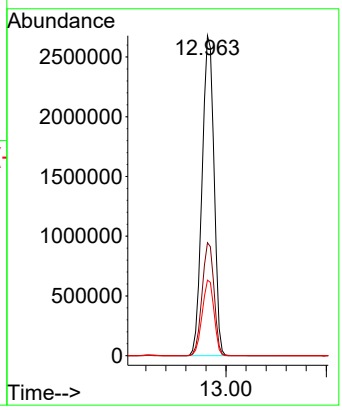




#45
2-Fluorobiphenyl
Concen: 76.978 ng
RT: 12.963 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:172 Resp: 442840

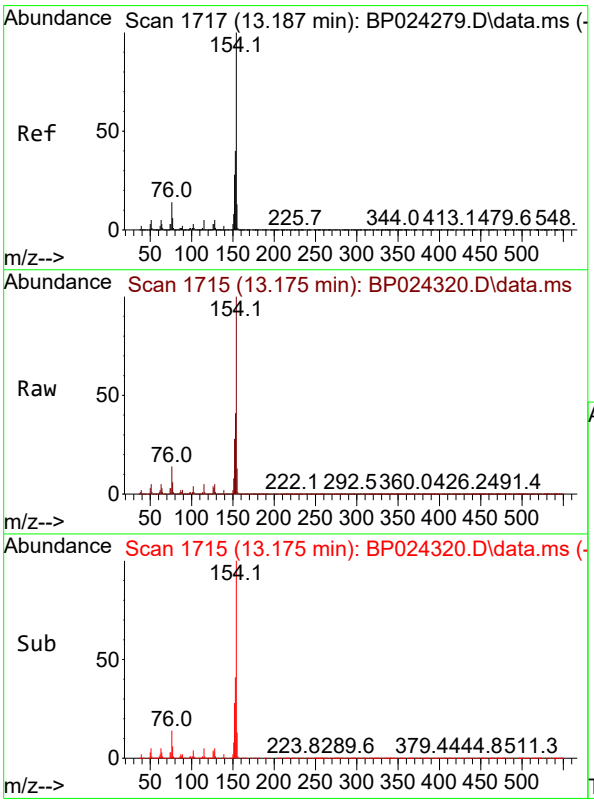
Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.2
170	23.6	18.6	27.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

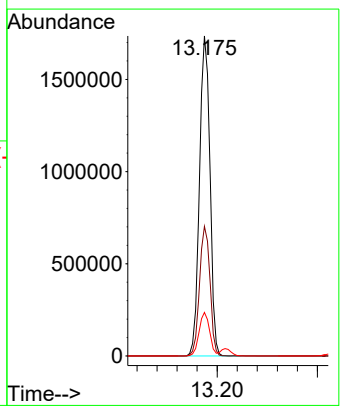
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

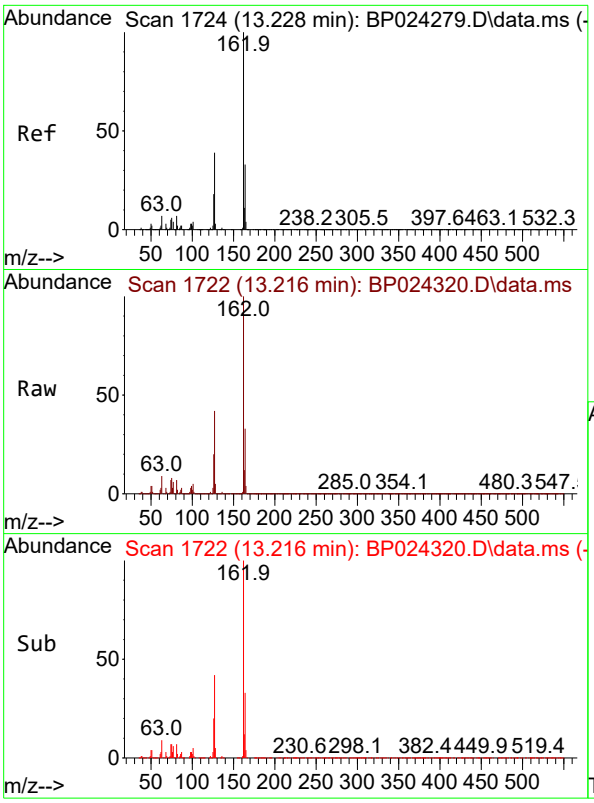


#46
1,1'-Biphenyl
Concen: 38.813 ng
RT: 13.175 min Scan# 1715
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:154 Resp: 2512917

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.3	60.3
76	13.6	0.0	33.5

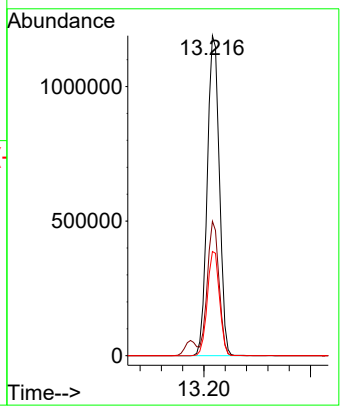




#47
2-Chloronaphthalene
Concen: 38.660 ng
RT: 13.216 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:162 Resp: 187072

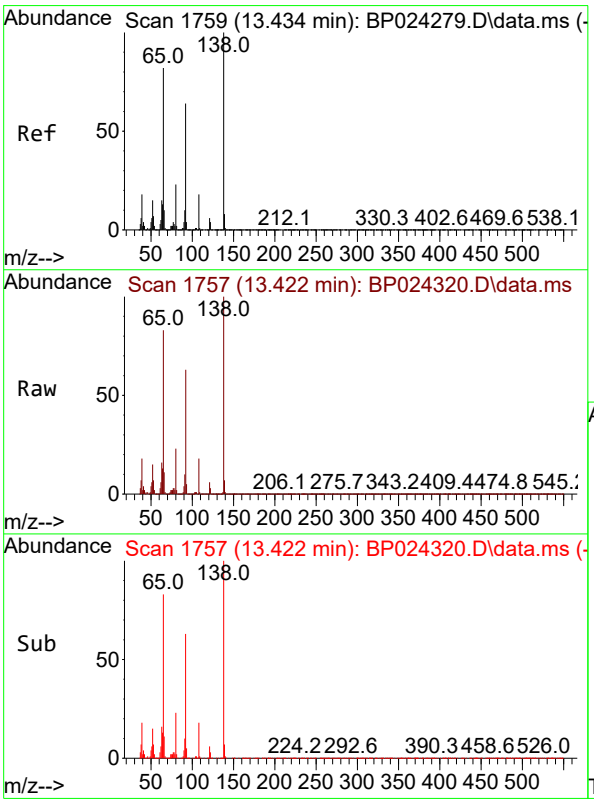
Ion	Ratio	Lower	Upper
162	100		
127	42.0	31.9	47.9
164	32.5	26.2	39.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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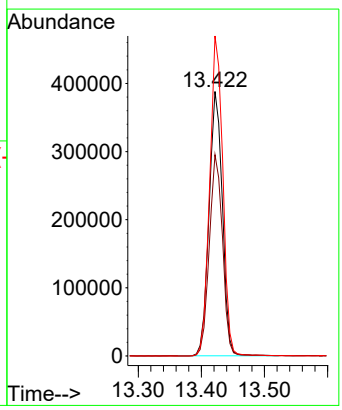
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

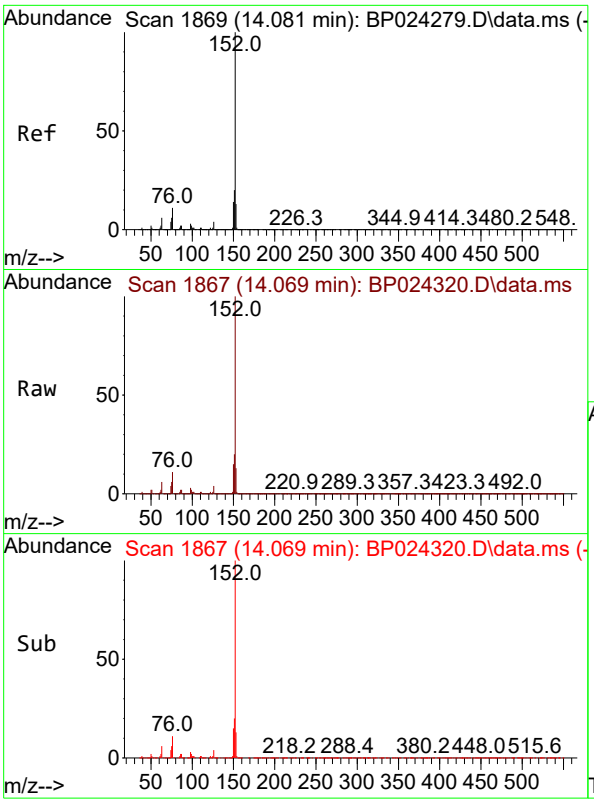


#48
2-Nitroaniline
Concen: 41.935 ng
RT: 13.422 min Scan# 1757
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion: 65 Resp: 569206

Ion	Ratio	Lower	Upper
65	100		
92	76.1	62.3	93.5
138	121.0	97.2	145.8

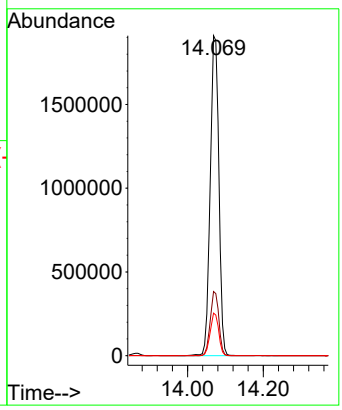




#49
Acenaphthylene
Concen: 39.357 ng
RT: 14.069 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:152 Resp: 299839

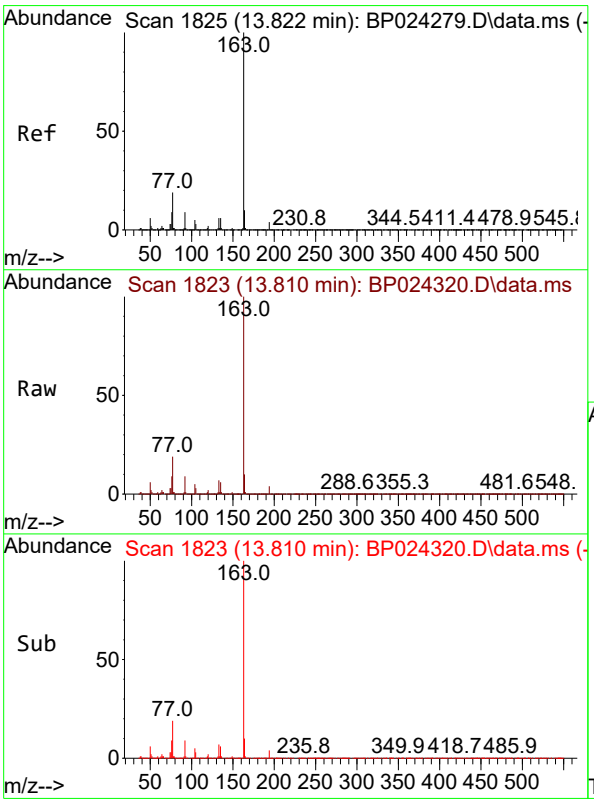
Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9
153	13.3	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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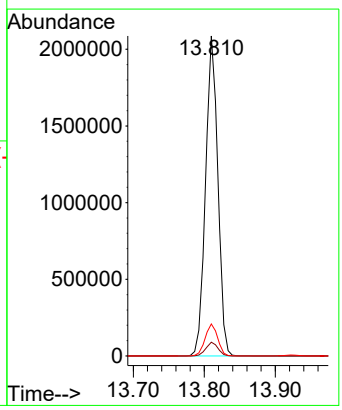
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

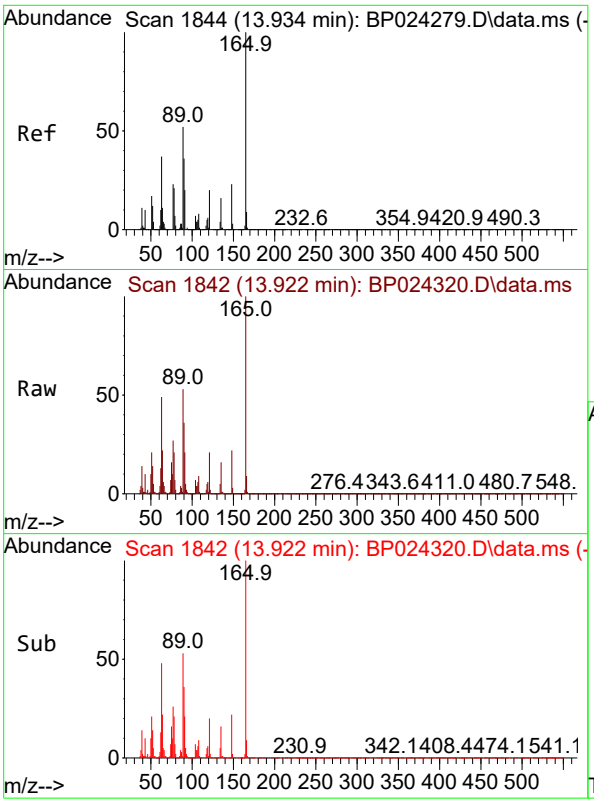


#50
Dimethylphthalate
Concen: 39.269 ng
RT: 13.810 min Scan# 1823
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:163 Resp: 2515357

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.0	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 40.755 ng
RT: 13.922 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

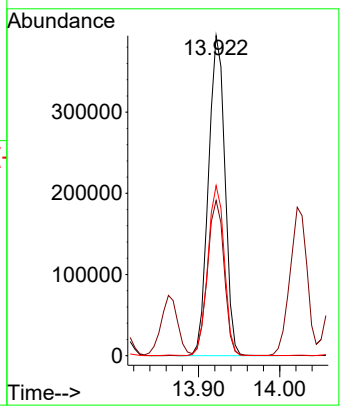
Tgt Ion:165 Resp: 55434

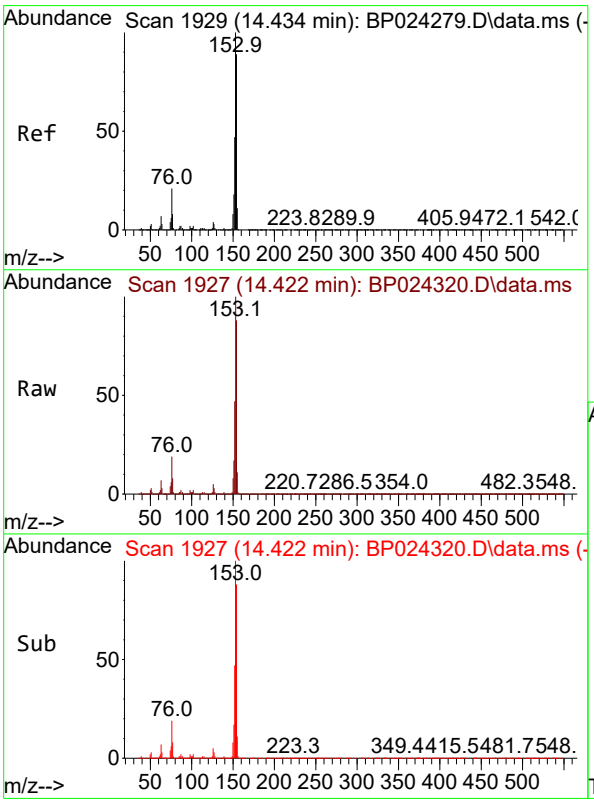
Ion	Ratio	Lower	Upper
165	100		
63	48.5	38.0	57.0
89	53.2	41.7	62.5

Instrument :
BNA_P
ClientSampleId :
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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

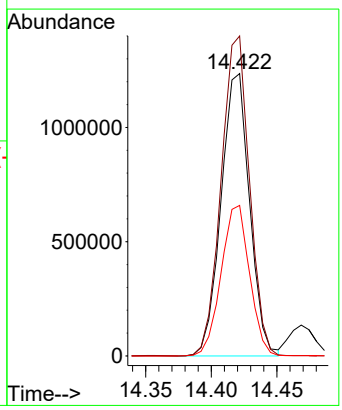


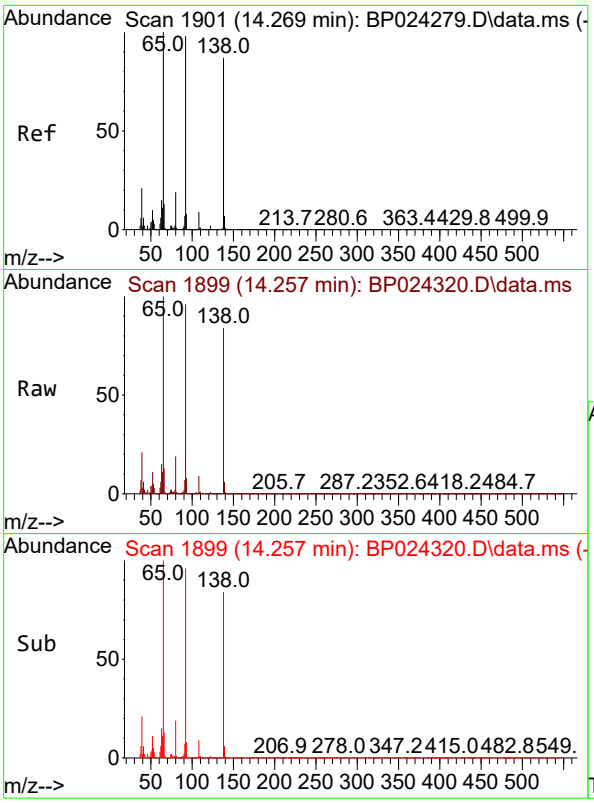


#52
Acenaphthene
Concen: 38.741 ng
RT: 14.422 min Scan# 1927
Delta R.T. -0.018 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:154 Resp: 1871183

Ion	Ratio	Lower	Upper
154	100		
153	113.3	89.8	134.6
152	53.3	42.6	63.8





#53
3-Nitroaniline
Concen: 40.596 ng
RT: 14.257 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

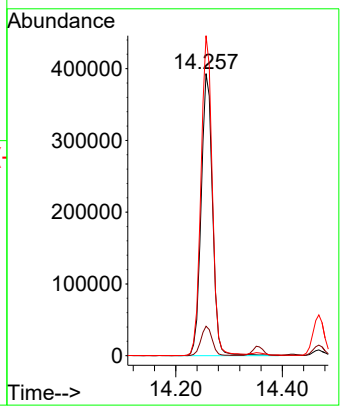
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

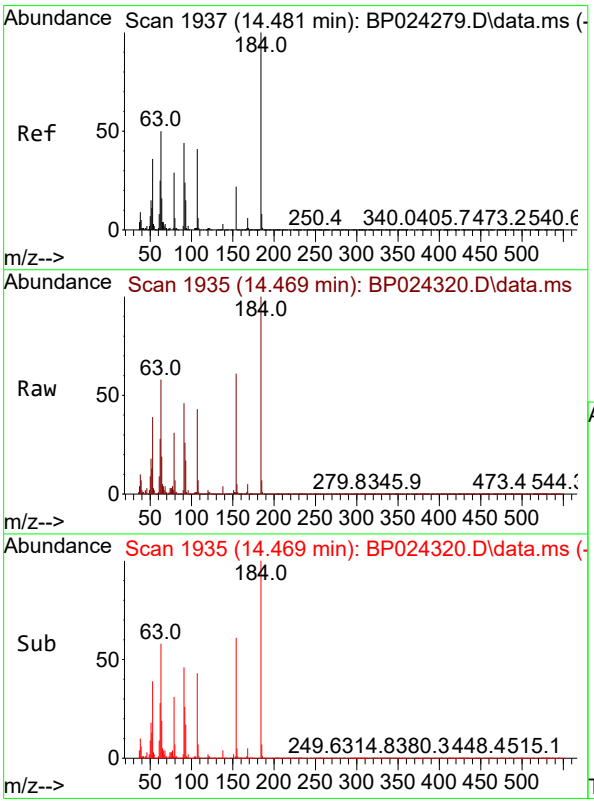
Tgt Ion:138 Resp: 58035

Ion	Ratio	Lower	Upper
138	100		
108	10.5	8.3	12.5
92	113.4	89.8	134.8

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Supervised By :Jagrut Upadhyay 04/18/2025

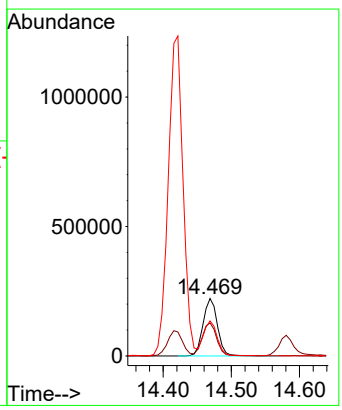


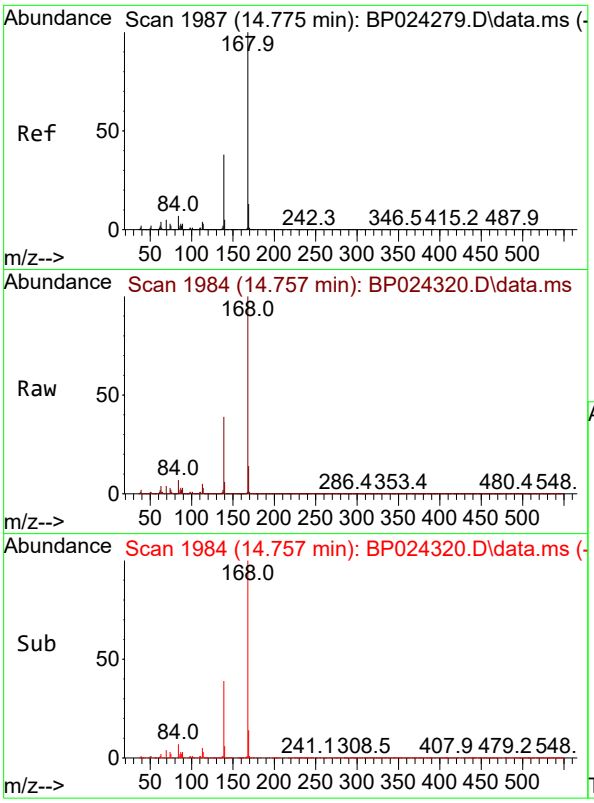


#54
2,4-Dinitrophenol
Concen: 40.612 ng
RT: 14.469 min Scan# 1935
Delta R.T. -0.023 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:184 Resp: 325391

Ion	Ratio	Lower	Upper
184	100		
63	57.6	42.6	64.0
154	61.0	47.2	70.8

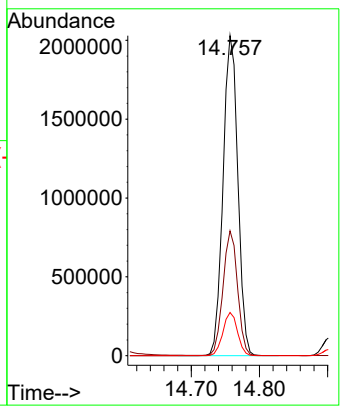




#55
Dibenzofuran
Concen: 38.705 ng
RT: 14.757 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:168 Resp: 305572

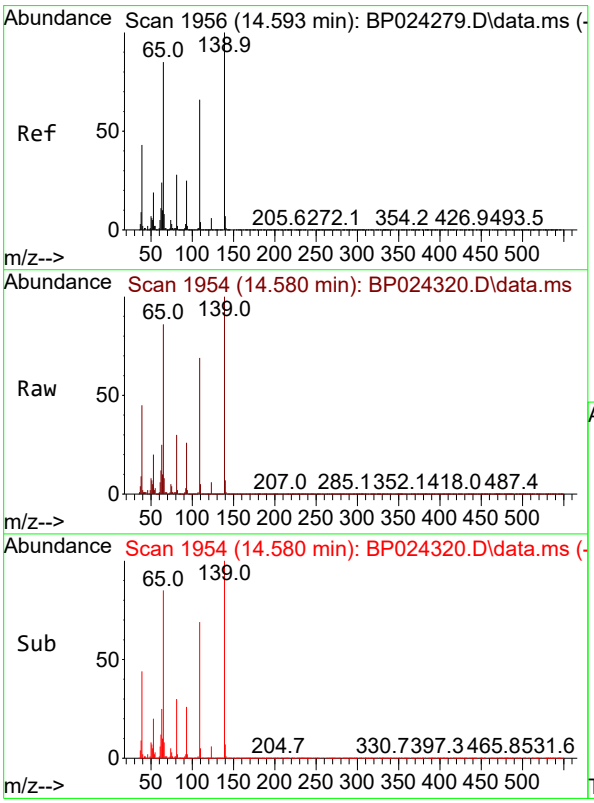
Ion	Ratio	Lower	Upper
168	100		
139	39.0	30.3	45.5
169	13.5	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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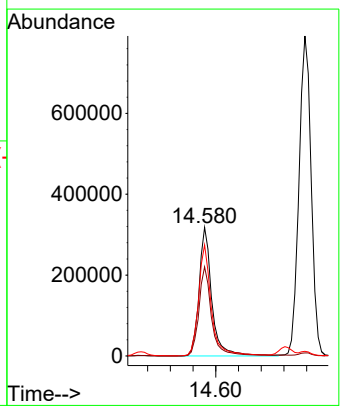
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

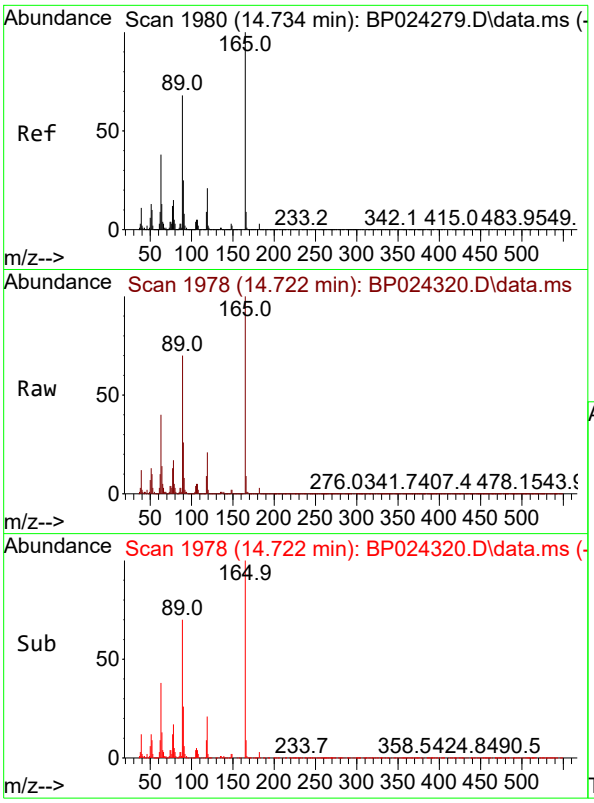


#56
4-Nitrophenol
Concen: 40.410 ng
RT: 14.580 min Scan# 1954
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:139 Resp: 498923

Ion	Ratio	Lower	Upper
139	100		
109	69.3	46.1	86.1
65	86.3	65.0	105.0

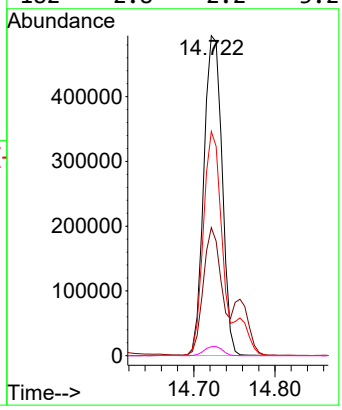




#57
2,4-Dinitrotoluene
Concen: 41.354 ng
RT: 14.722 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:165 Resp: 76731

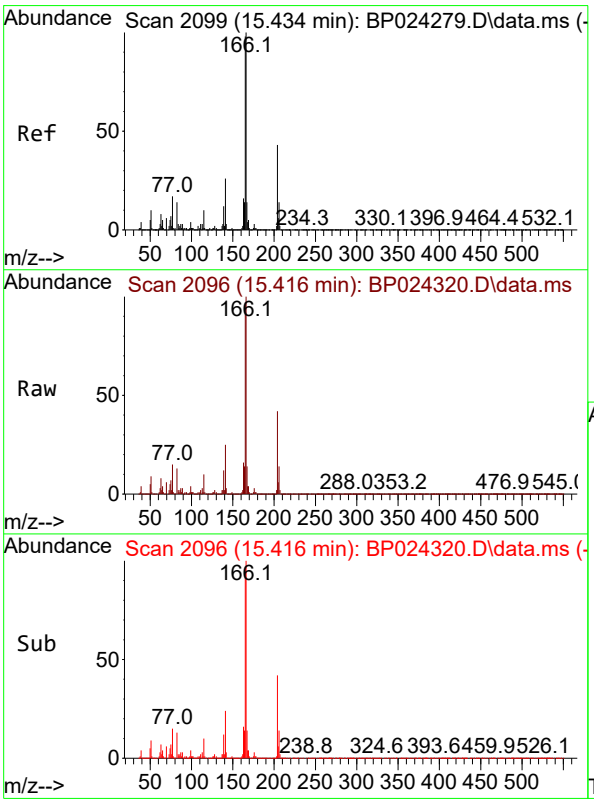
Ion	Ratio	Lower	Upper
165	100		
63	40.0	30.4	45.6
89	70.1	54.6	82.0
182	2.8	2.2	3.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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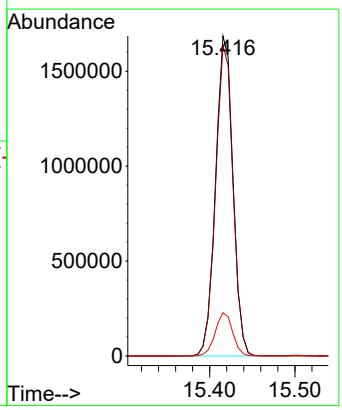
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

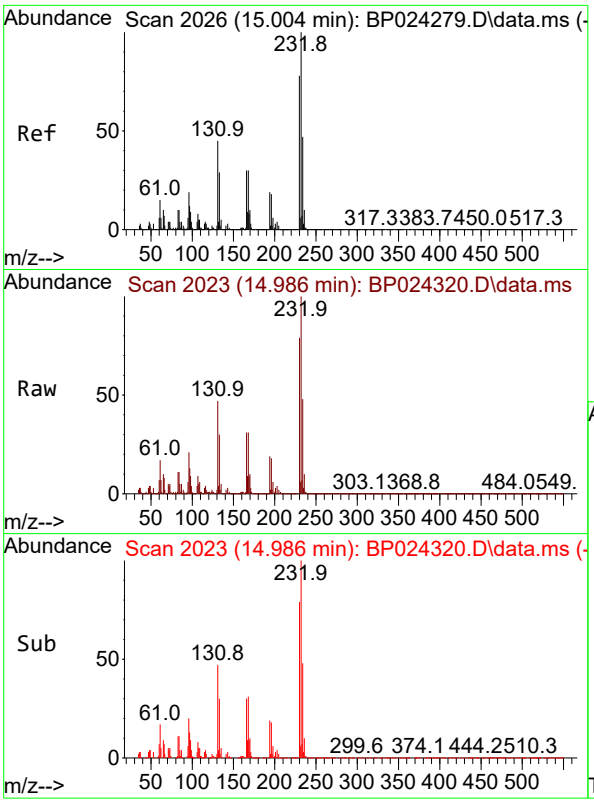


#58
Fluorene
Concen: 39.102 ng
RT: 15.416 min Scan# 2096
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:166 Resp: 2389776

Ion	Ratio	Lower	Upper
166	100		
165	97.0	78.1	117.1
167	13.5	10.9	16.3

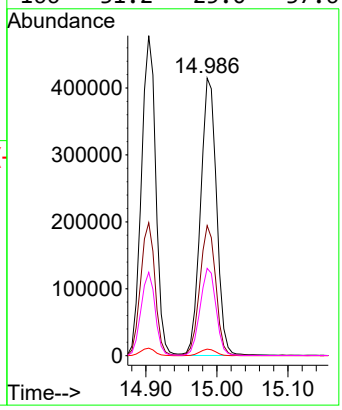




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.593 ng
RT: 14.986 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:232 Resp: 65122

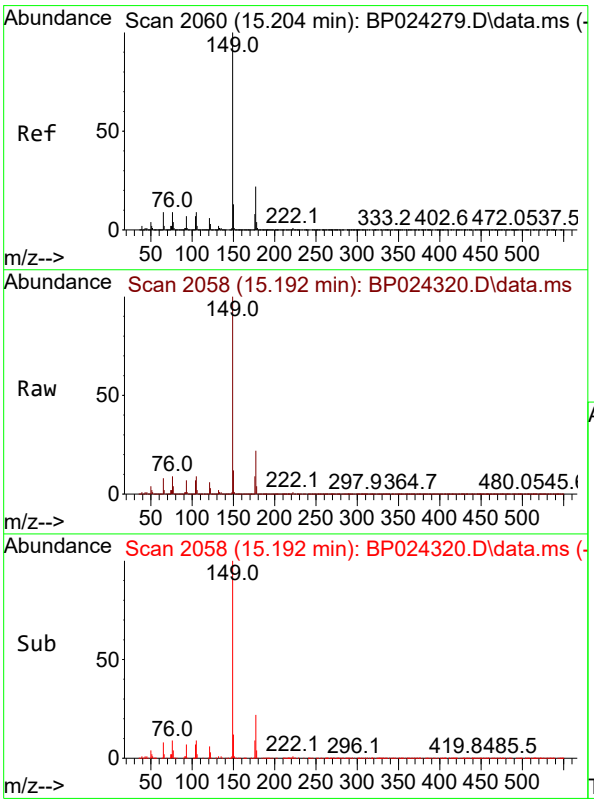
Ion	Ratio	Lower	Upper
232	100		
131	46.6	36.8	55.2
130	2.4	1.9	2.9
166	31.2	25.0	37.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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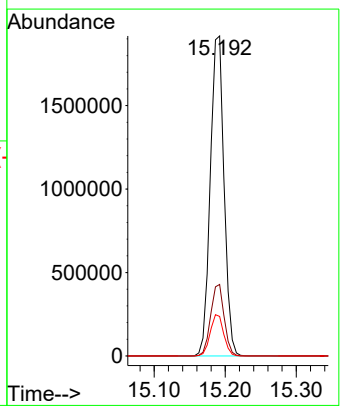
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

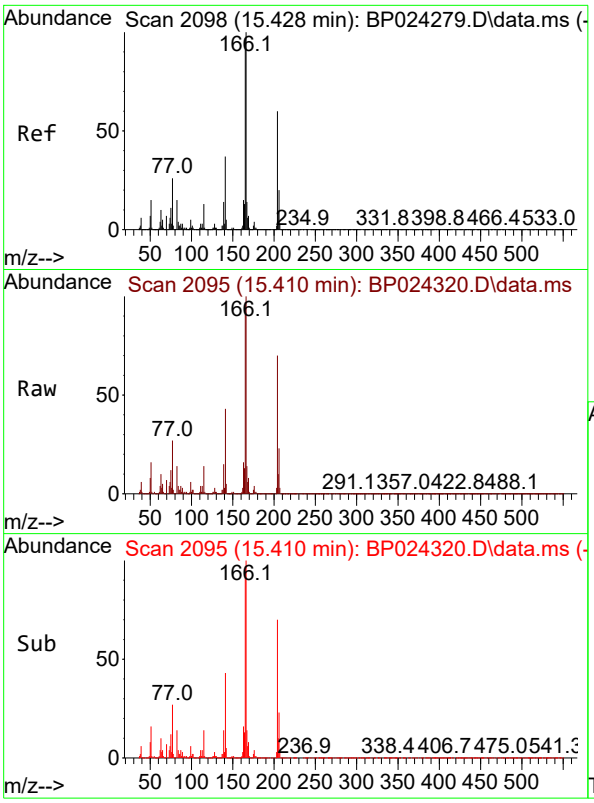


#60
Diethylphthalate
Concen: 39.045 ng
RT: 15.192 min Scan# 2058
Delta R.T. -0.030 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:149 Resp: 2577316

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.4	26.2
150	12.4	10.1	15.1

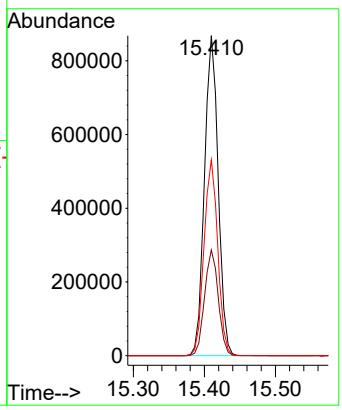




#61
4-Chlorophenyl-phenylether
Concen: 39.321 ng
RT: 15.410 min Scan# 2
Delta R.T. -0.030 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:204 Resp: 116696

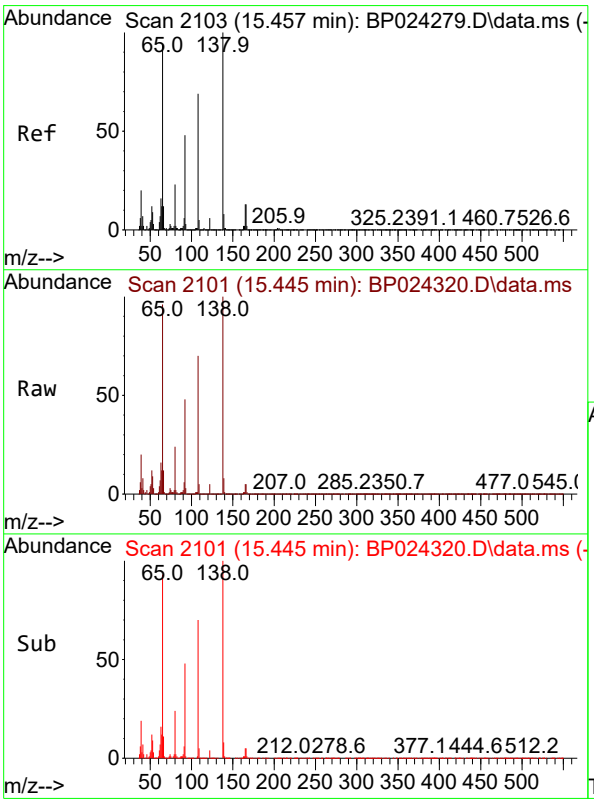
Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.5	39.7
141	61.2	49.4	74.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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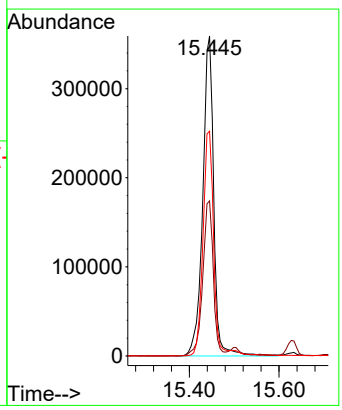
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

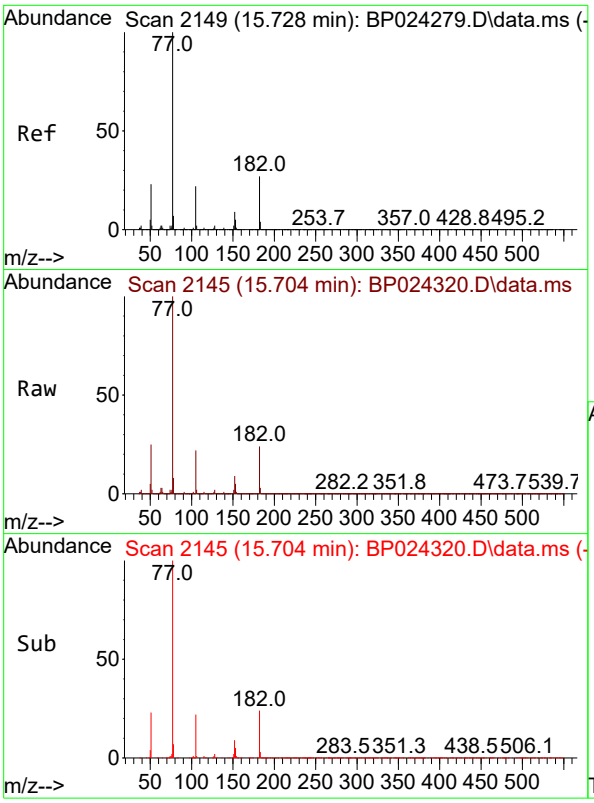


#62
4-Nitroaniline
Concen: 40.328 ng
RT: 15.445 min Scan# 2101
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:138 Resp: 610318

Ion	Ratio	Lower	Upper
138	100		
92	48.5	27.8	67.8
108	70.3	48.9	88.9





#63
Azobenzene
Concen: 39.931 ng
RT: 15.704 min Scan# 2
Delta R.T. -0.036 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

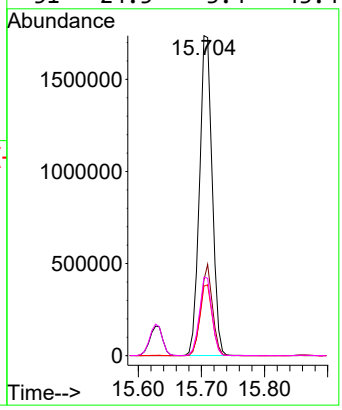
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

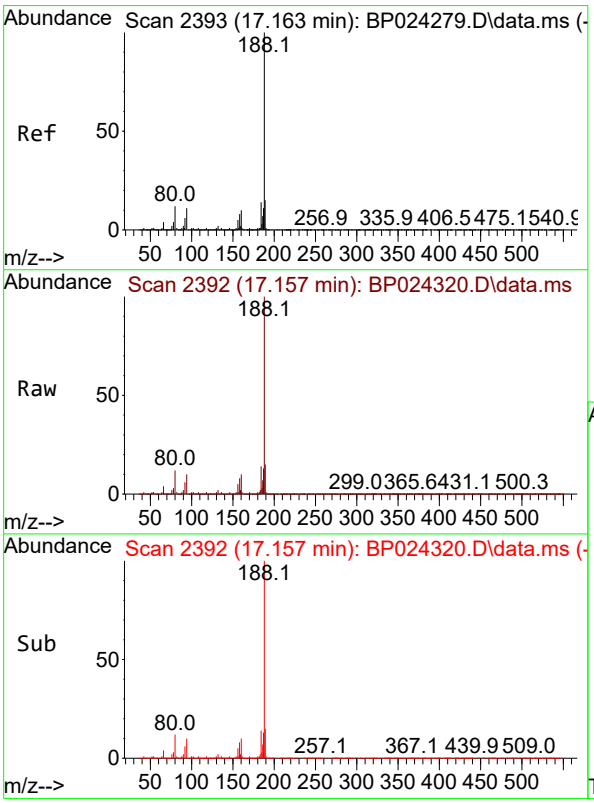
Tgt Ion: 77 Resp: 242264

Ion	Ratio	Lower	Upper
77	100		
182	23.6	7.3	47.3
105	21.8	2.3	42.3
51	24.5	3.4	43.4

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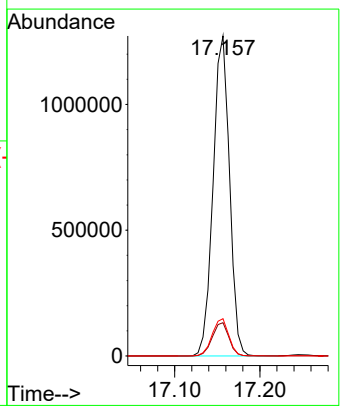


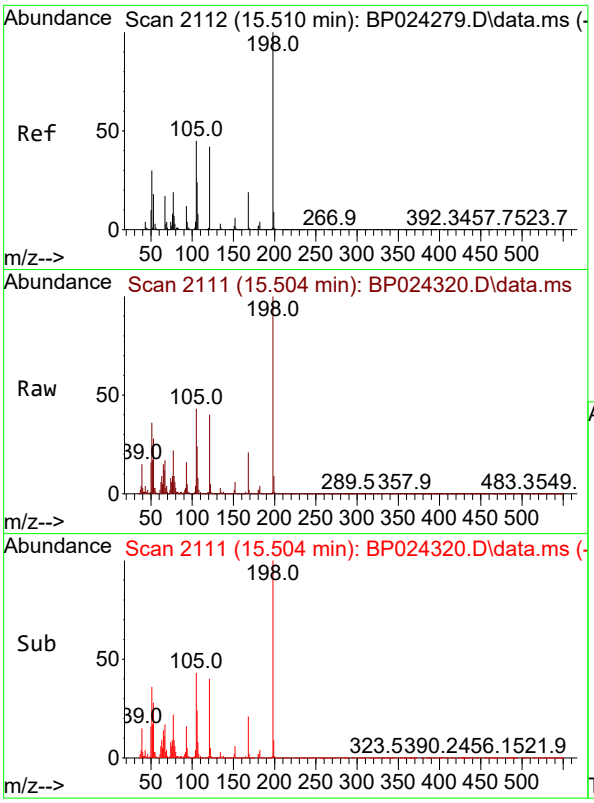


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2392
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:188 Resp: 1702907

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.6	13.0
80	11.6	9.8	14.6





#65
4,6-Dinitro-2-methylphenol
Concen: 41.077 ng
RT: 15.504 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

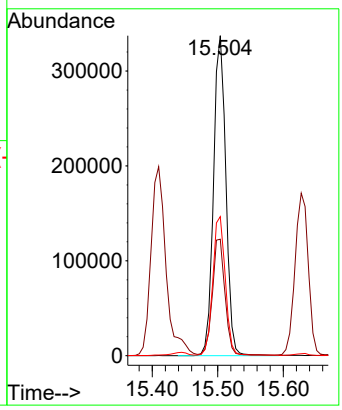
Tgt Ion:198 Resp: 44100

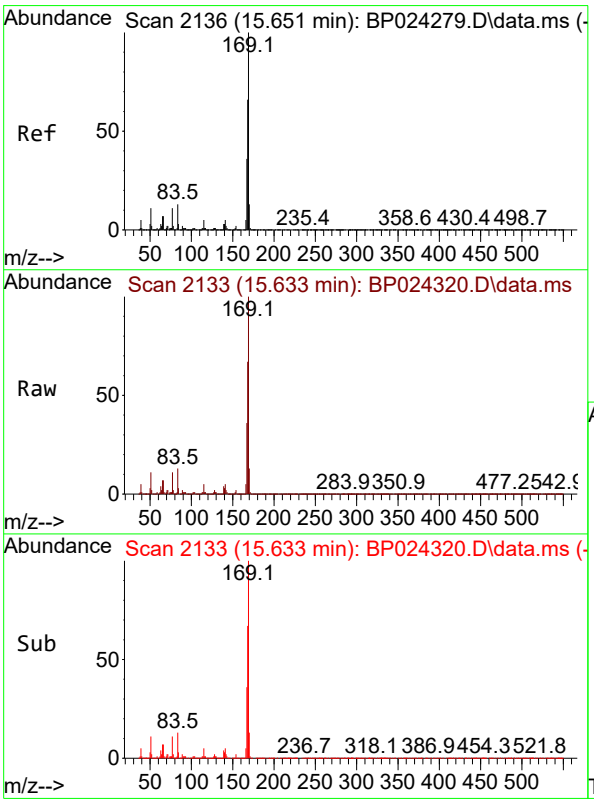
Ion	Ratio	Lower	Upper
198	100		
51	36.4	18.4	58.4
105	43.5	26.5	66.5

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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Reviewed By :Rahul Chavli 04/18/2025
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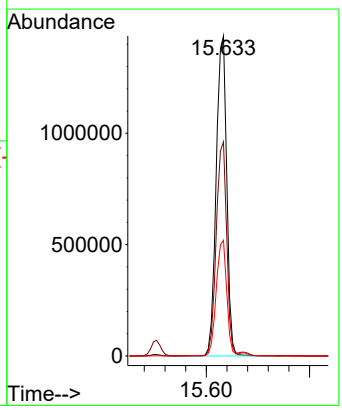


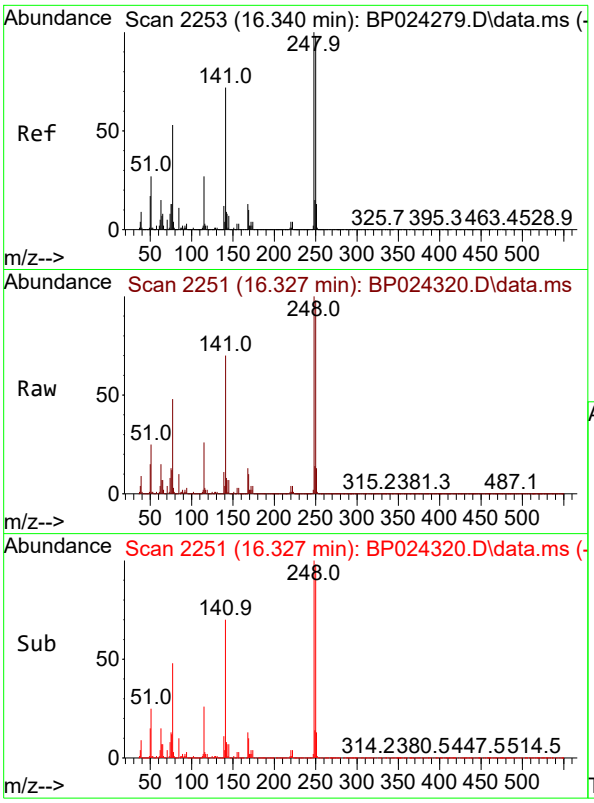


#66
n-Nitrosodiphenylamine
Concen: 39.848 ng
RT: 15.633 min Scan# 2133
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:169 Resp: 2025366

Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.0	79.4
167	36.1	28.9	43.3





#67
4-Bromophenyl-phenylether
Concen: 40.713 ng
RT: 16.327 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

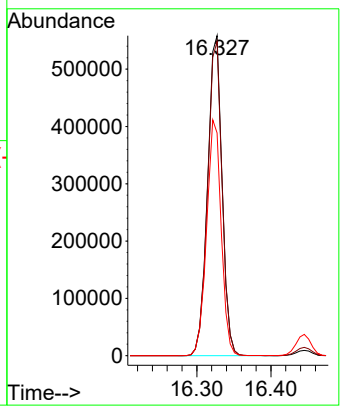
Tgt Ion:248 Resp: 75825

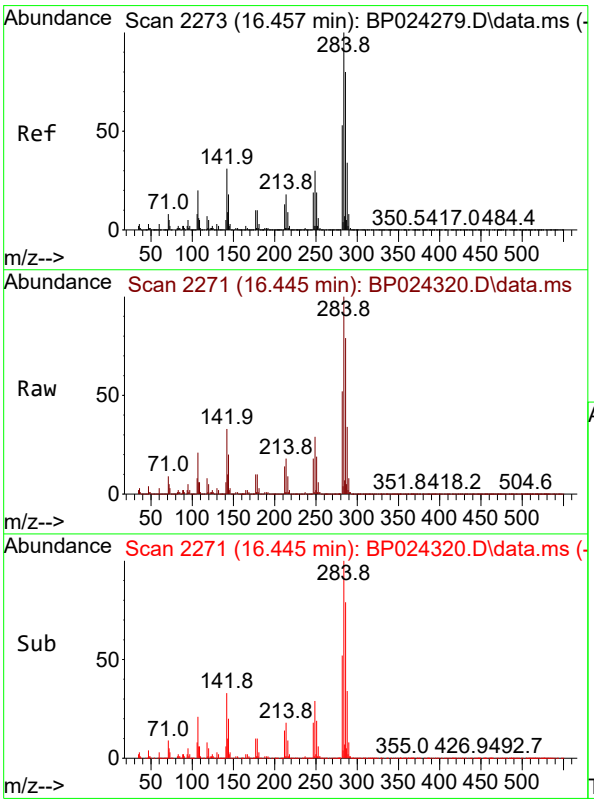
Ion	Ratio	Lower	Upper
248	100		
250	98.1	78.2	117.4
141	69.6	57.7	86.5

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

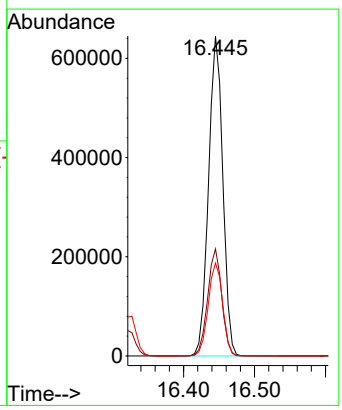


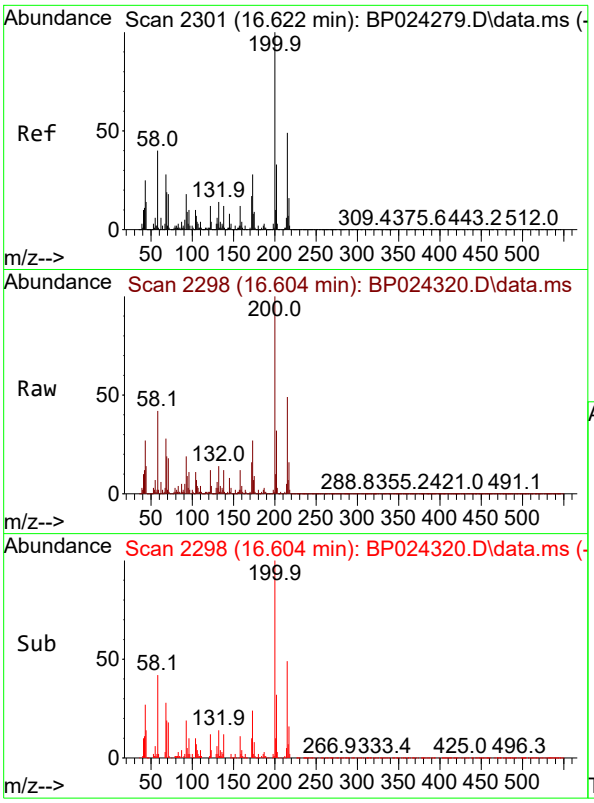


#68
Hexachlorobenzene
Concen: 40.613 ng
RT: 16.445 min Scan# 2271
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:284 Resp: 898806

Ion	Ratio	Lower	Upper
284	100		
142	33.4	24.6	37.0
249	29.0	23.8	35.6

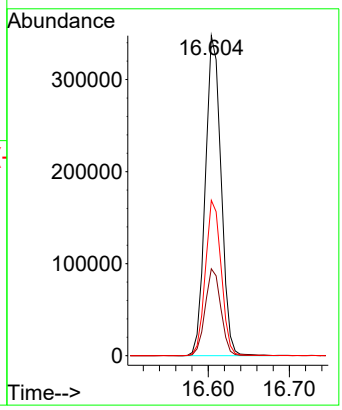




#69
Atrazine
Concen: 36.043 ng
RT: 16.604 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:200 Resp: 46658

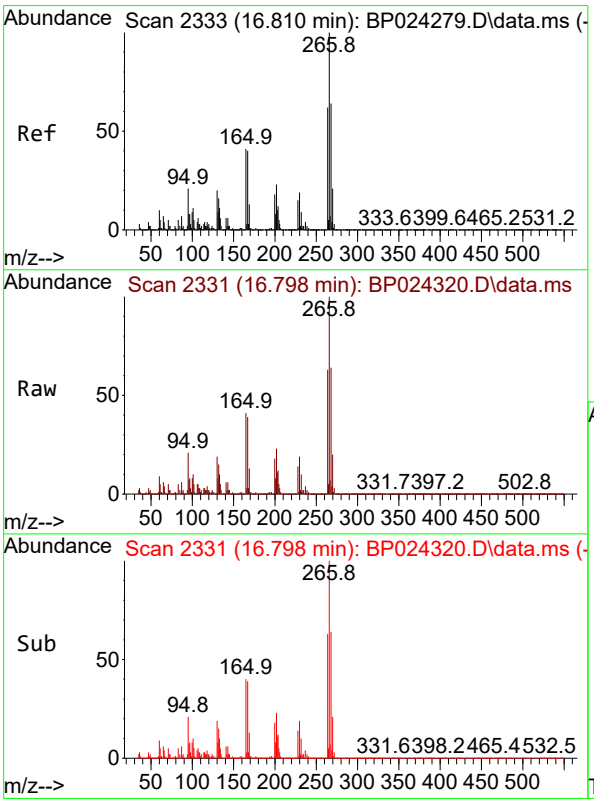
Ion	Ratio	Lower	Upper
200	100		
173	27.2	7.5	47.5
215	48.6	28.8	68.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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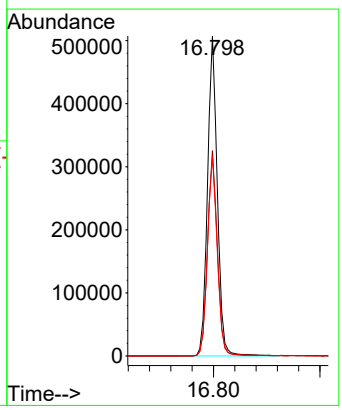
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

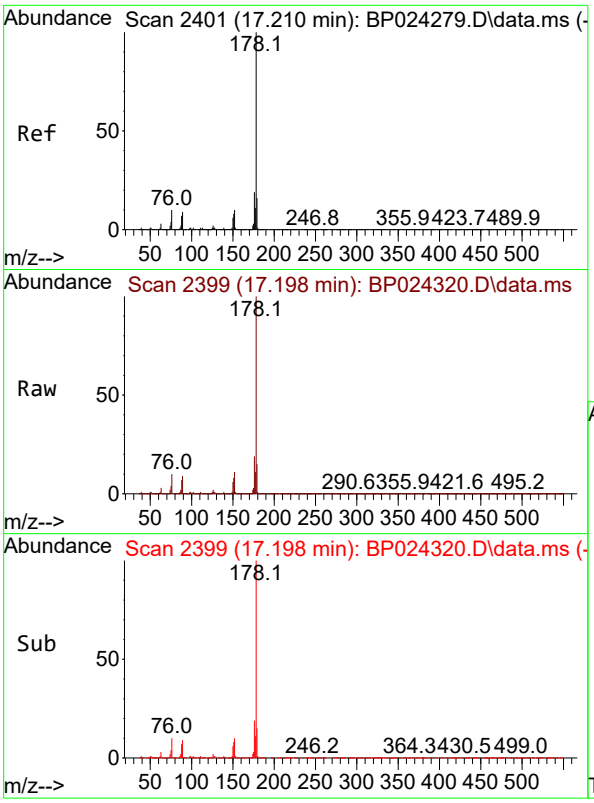


#70
Pentachlorophenol
Concen: 41.869 ng
RT: 16.798 min Scan# 2331
Delta R.T. -0.030 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:266 Resp: 646424

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.0	76.6
264	62.6	49.8	74.6





#71
Phenanthrene
Concen: 37.914 ng
RT: 17.198 min Scan# 2
Delta R.T. -0.030 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

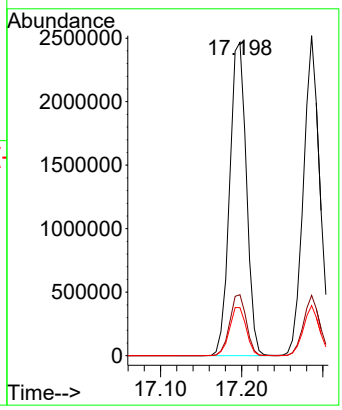
Tgt Ion:178 Resp: 352214

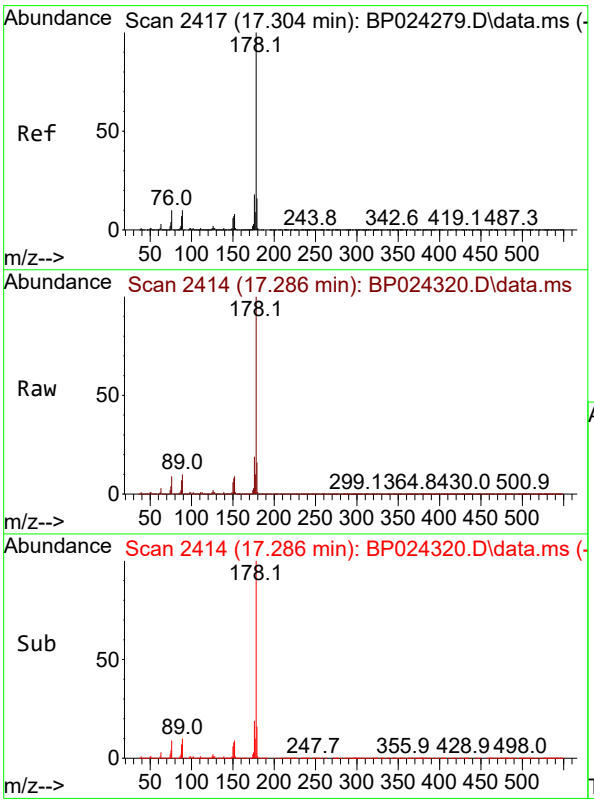
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.3	12.5	18.7

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

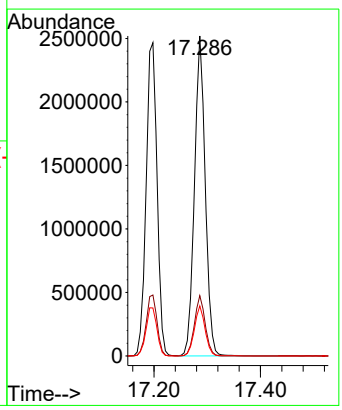


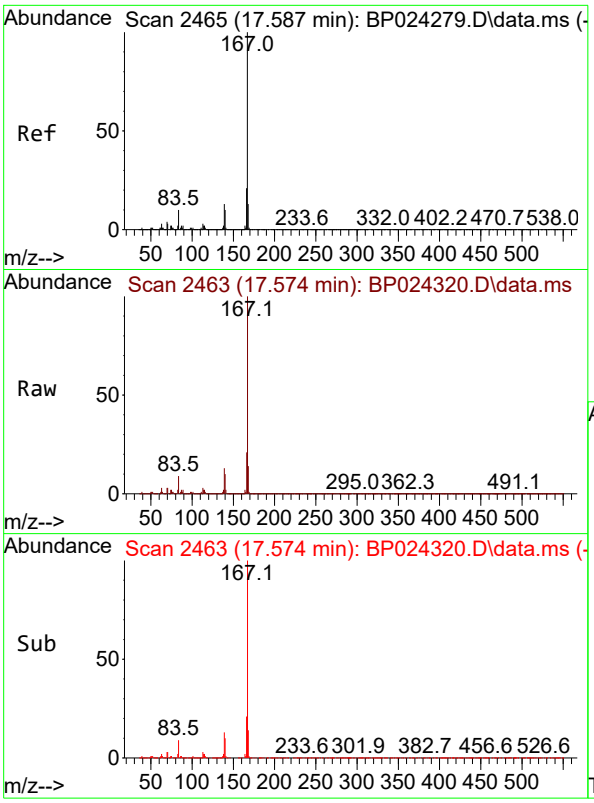


#72
Anthracene
Concen: 39.677 ng
RT: 17.286 min Scan# 2414
Delta R.T. -0.030 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:178 Resp: 3552441

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.7	12.4	18.6

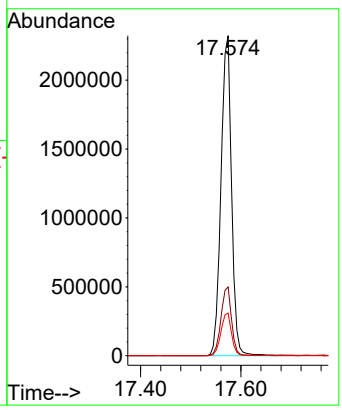




#73
Carbazole
Concen: 38.752 ng
RT: 17.574 min Scan# 24
Delta R.T. -0.030 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:167 Resp: 339010

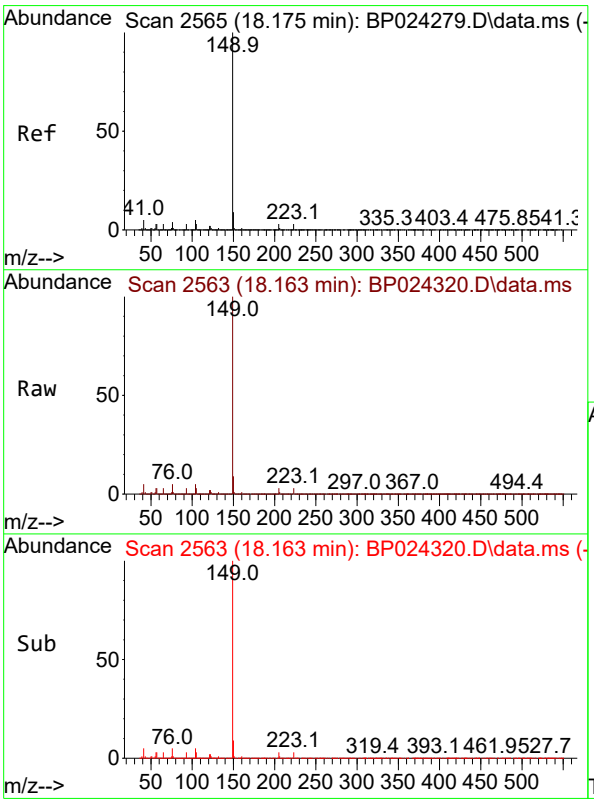
Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.1	25.7
139	13.3	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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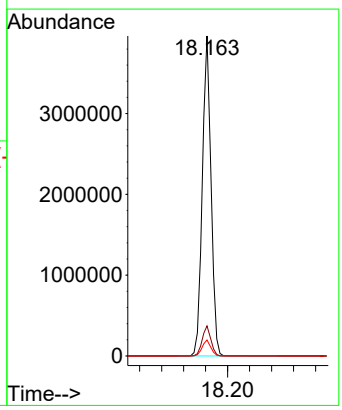
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

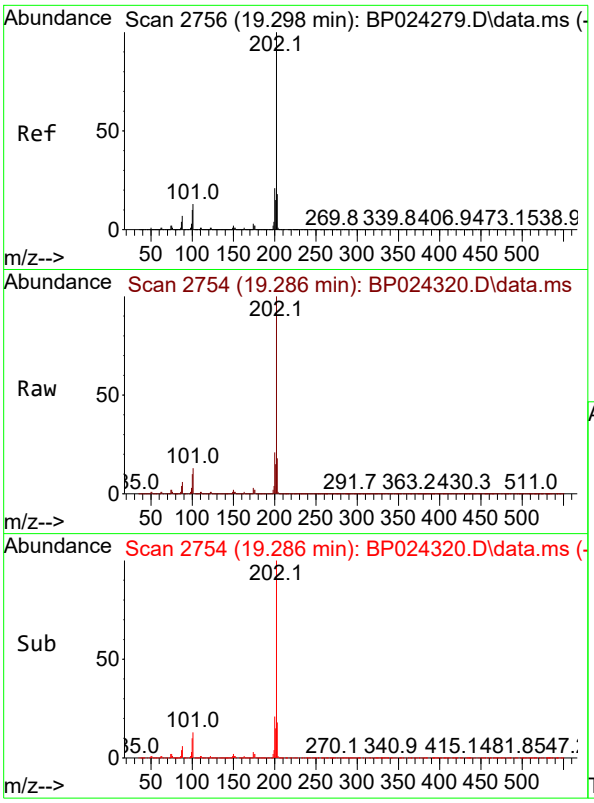


#74
Di-n-butylphthalate
Concen: 40.070 ng
RT: 18.163 min Scan# 2563
Delta R.T. -0.030 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:149 Resp: 4367243

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	5.0	3.9	5.9





#75
Fluoranthene
Concen: 37.908 ng
RT: 19.286 min Scan# 2
Delta R.T. -0.030 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

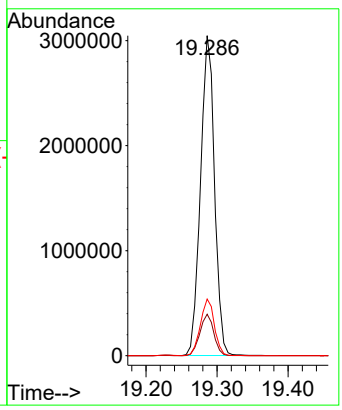
Tgt Ion:202 Resp: 418831

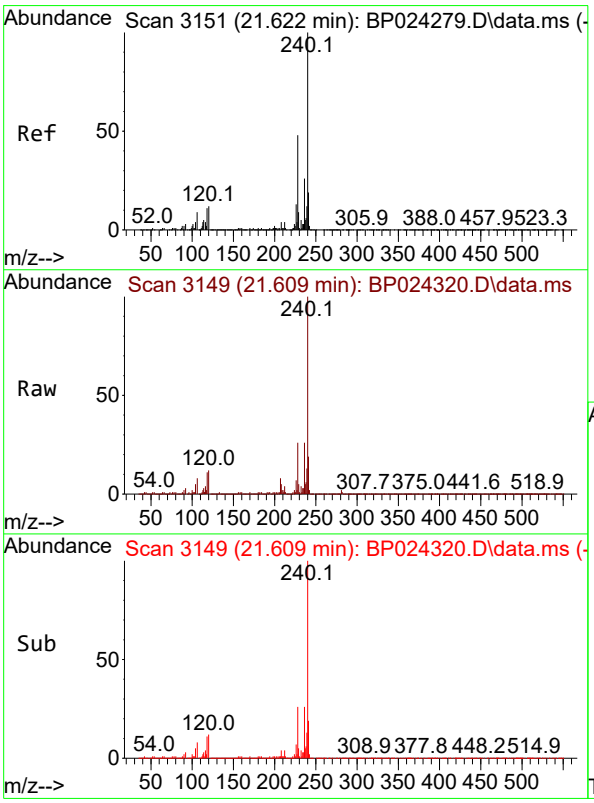
Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	33.2
203	17.7	0.0	37.7

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

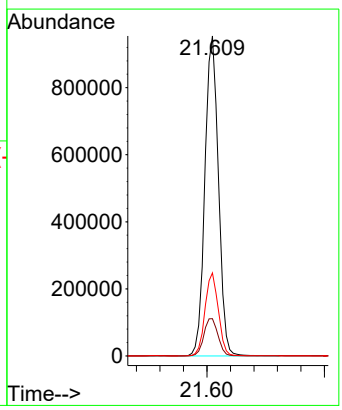


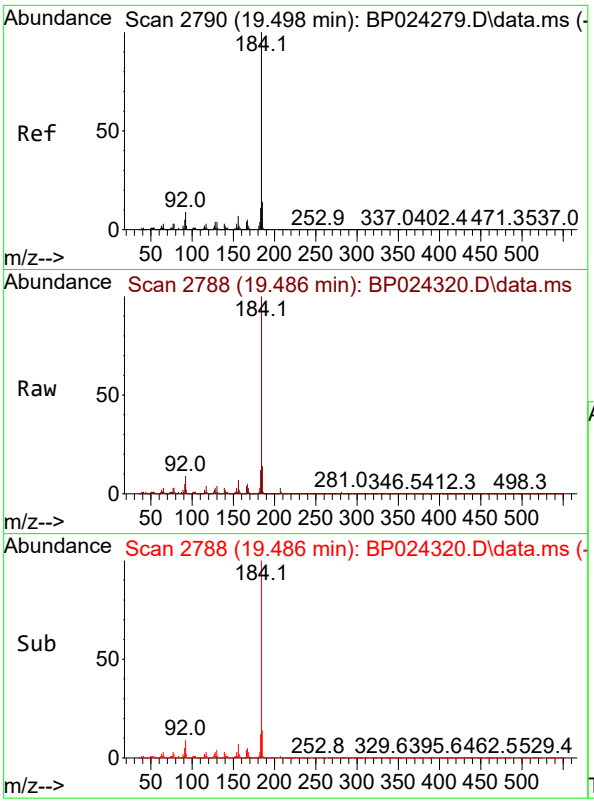


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.609 min Scan# 3149
Delta R.T. -0.012 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:240 Resp: 1526868

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.8	14.8
236	26.0	20.9	31.3

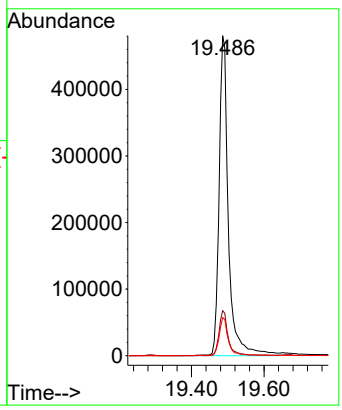




#77
Benzidine
Concen: 44.305 ng
RT: 19.486 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:184 Resp: 85750

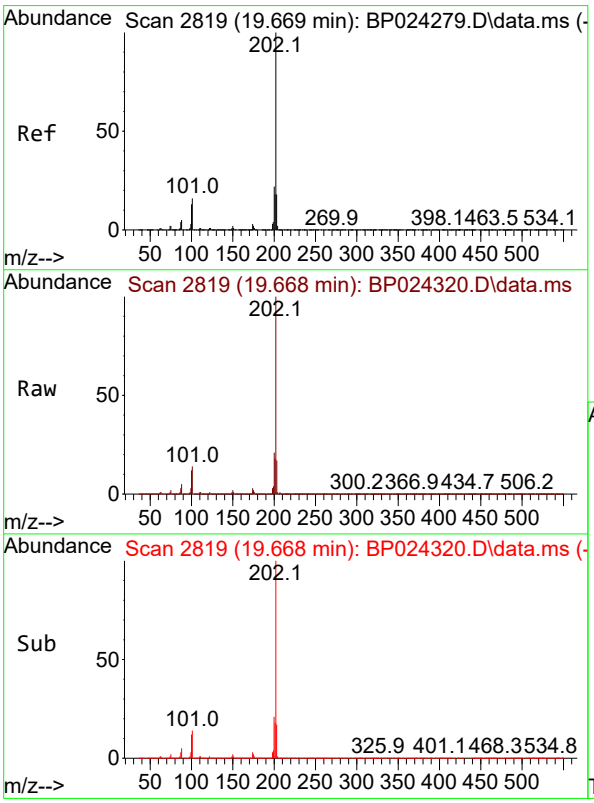
Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.6	17.4
183	11.9	9.2	13.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

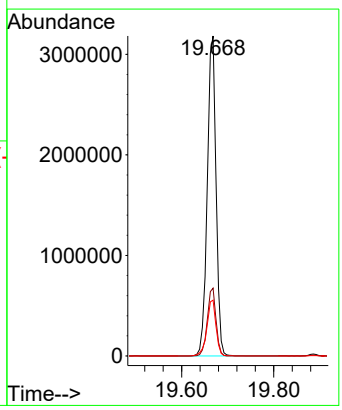
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

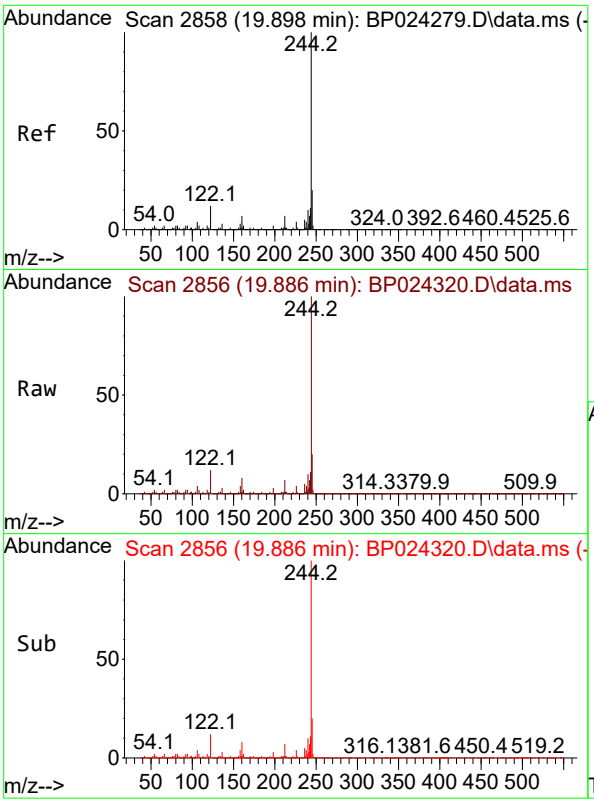


#78
Pyrene
Concen: 43.721 ng
RT: 19.668 min Scan# 2819
Delta R.T. -0.018 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:202 Resp: 4242468

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	17.4	14.4	21.6

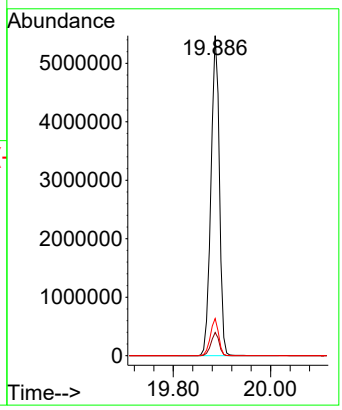




#79
Terphenyl-d14
Concen: 86.126 ng
RT: 19.886 min Scan# 2
Delta R.T. -0.036 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:244 Resp: 652413

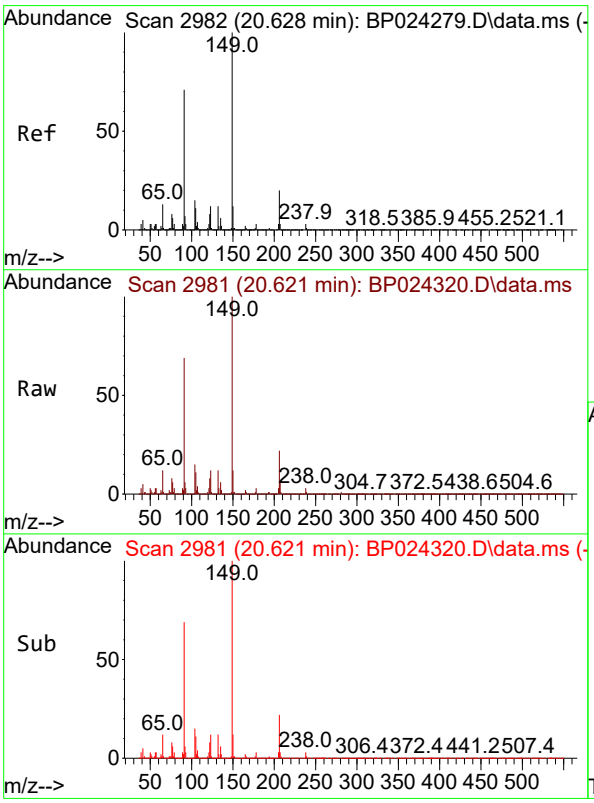
Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.6	8.4
122	11.6	9.4	14.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

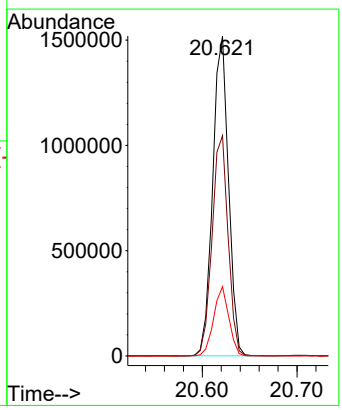
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

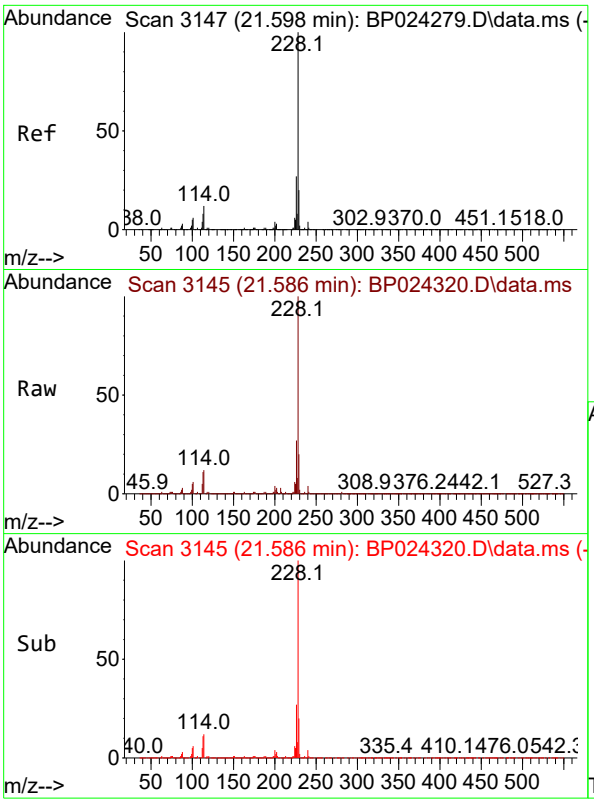


#80
Butylbenzylphthalate
Concen: 42.411 ng
RT: 20.621 min Scan# 2981
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:149 Resp: 1762704

Ion	Ratio	Lower	Upper
149	100		
91	68.9	56.4	84.6
206	21.6	16.3	24.5

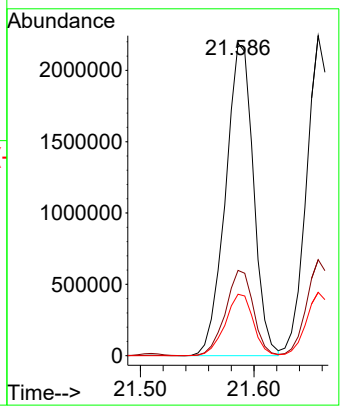




#81
Benzo(a)anthracene
Concen: 39.316 ng
RT: 21.586 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:228 Resp: 373123

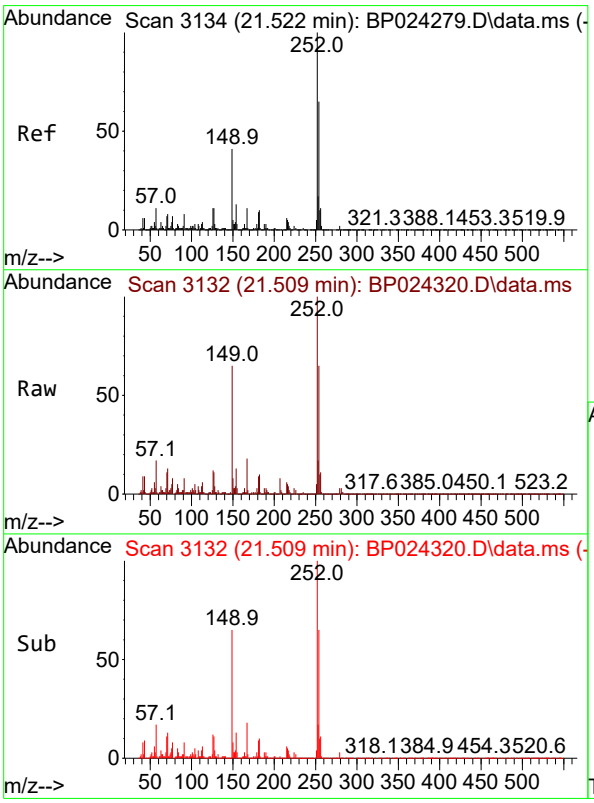
Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.7	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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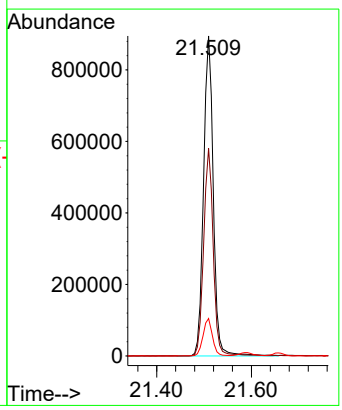
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

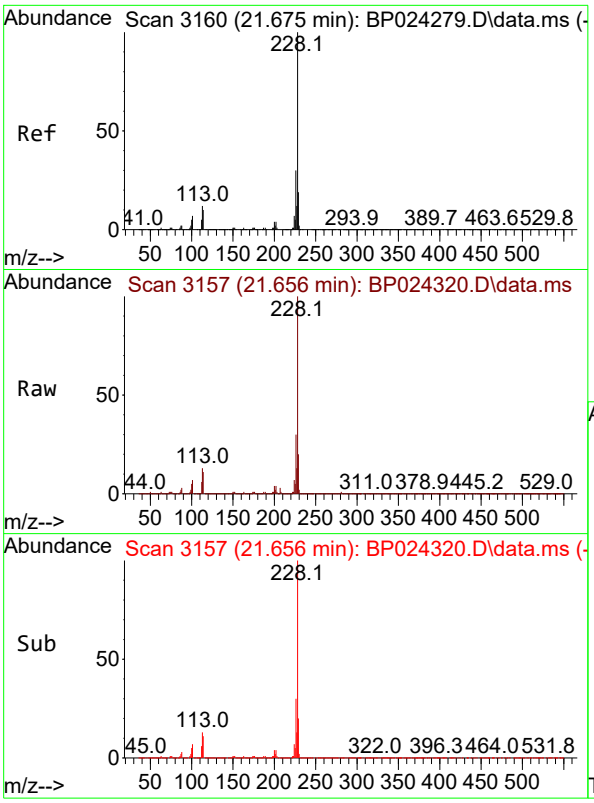


#82
3,3'-Dichlorobenzidine
Concen: 38.110 ng
RT: 21.509 min Scan# 3132
Delta R.T. -0.030 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:252 Resp: 1269468

Ion	Ratio	Lower	Upper
252	100		
254	64.9	51.7	77.5
126	11.7	8.8	13.2

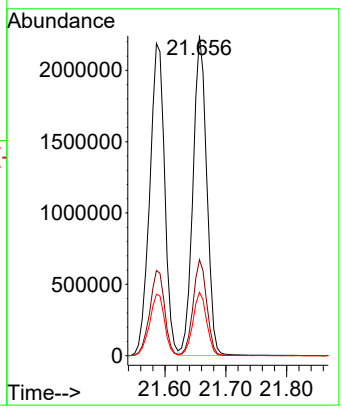




#83
Chrysene
Concen: 38.613 ng
RT: 21.656 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:228 Resp: 351080

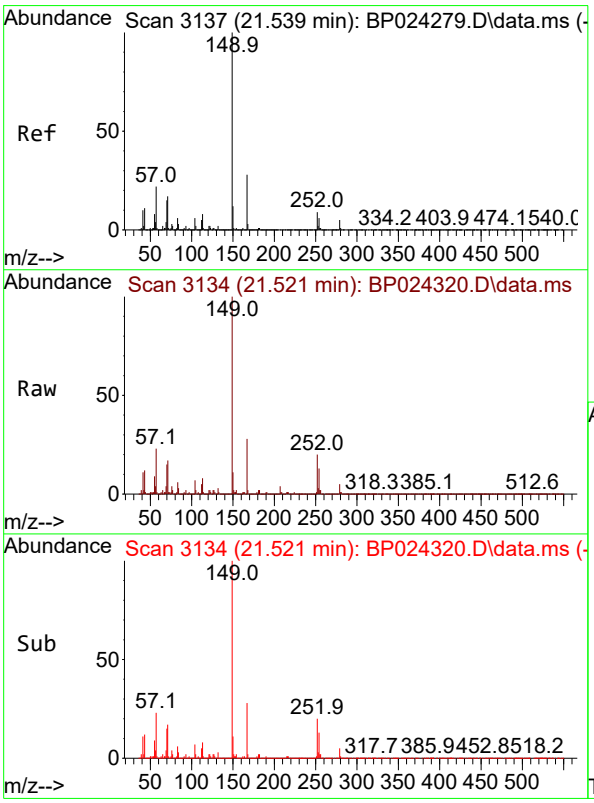
Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.2	36.2
229	19.8	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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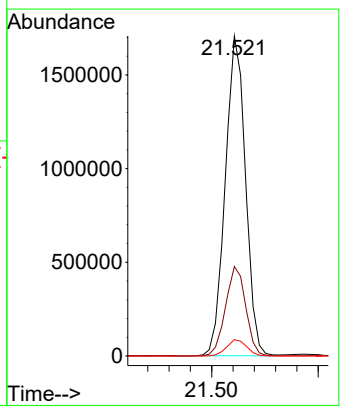
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

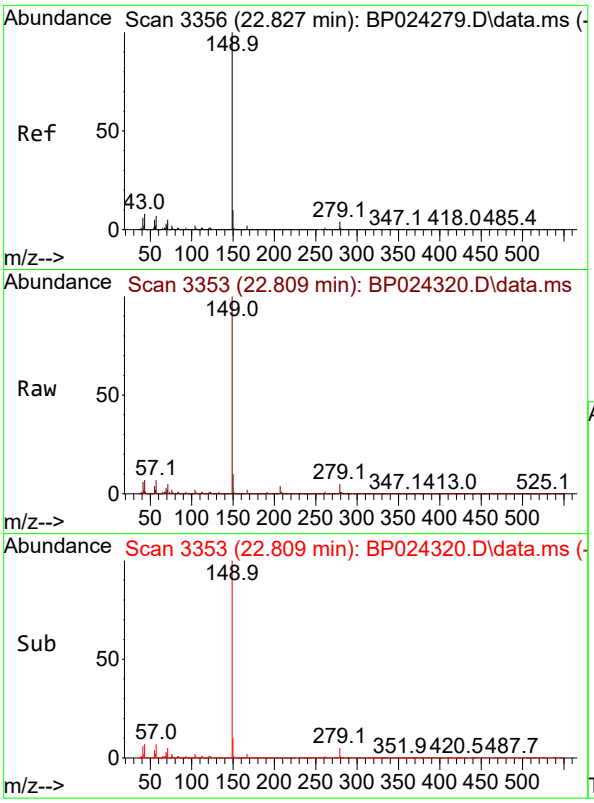


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.004 ng
RT: 21.521 min Scan# 3134
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:149 Resp: 2254612

Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.4	33.6
279	5.1	4.0	6.0

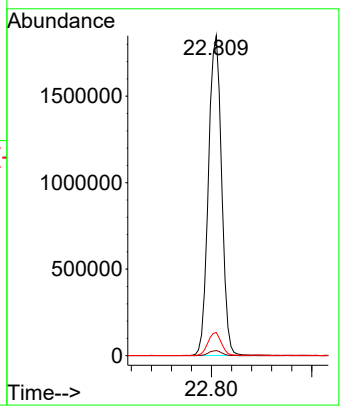




#85
Di-n-octyl phthalate
Concen: 34.068 ng
RT: 22.809 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:149 Resp: 337450

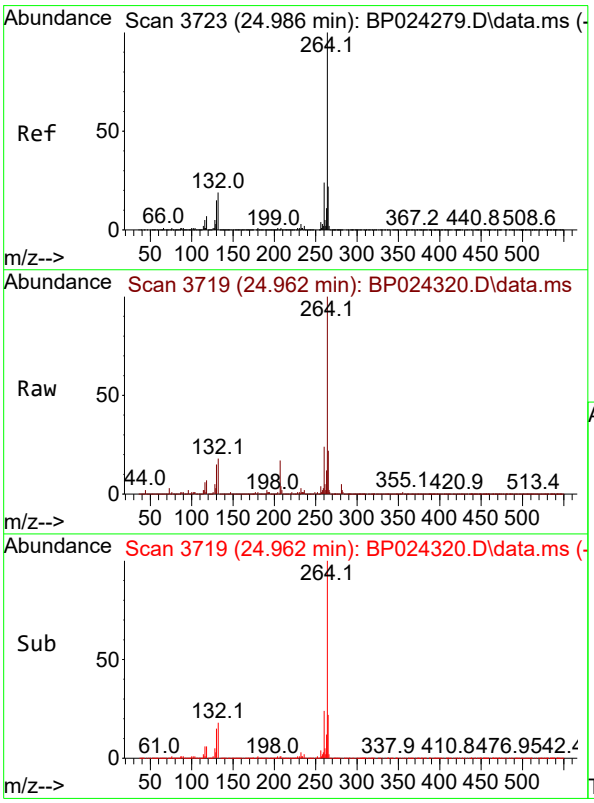
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.4	6.0	9.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

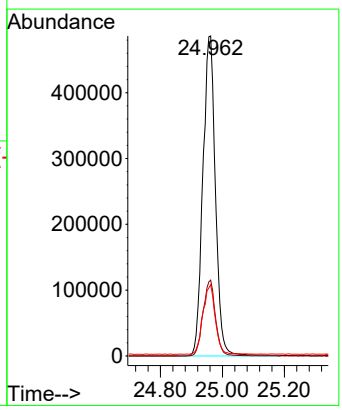
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

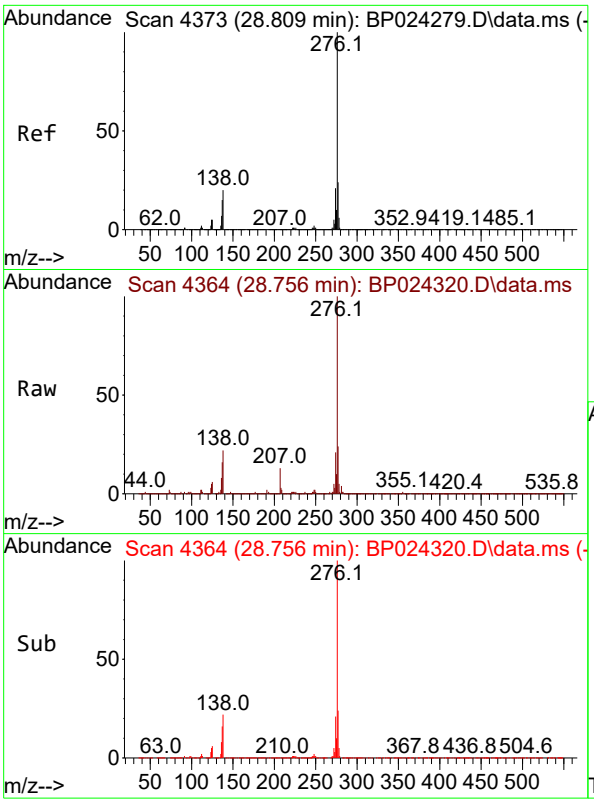


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.962 min Scan# 3719
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:264 Resp: 1367817

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	22.3	17.8	26.6

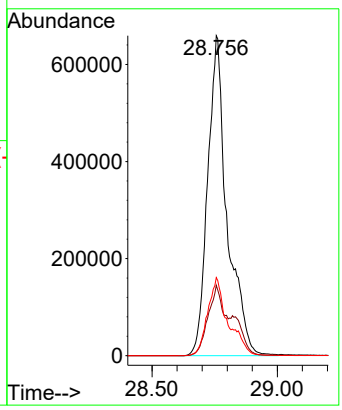




#87
Indeno(1,2,3-cd)pyrene
Concen: 37.391 ng
RT: 28.756 min Scan# 4
Delta R.T. -0.059 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:276 Resp: 355063

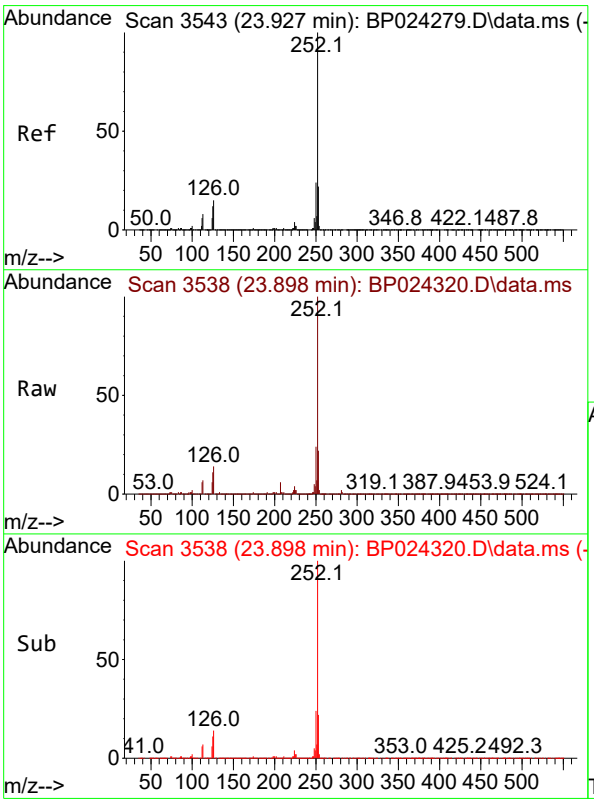
Ion	Ratio	Lower	Upper
276	100		
138	19.4	14.5	21.7
277	25.4	20.2	30.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

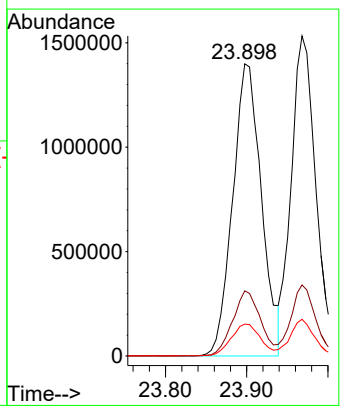
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

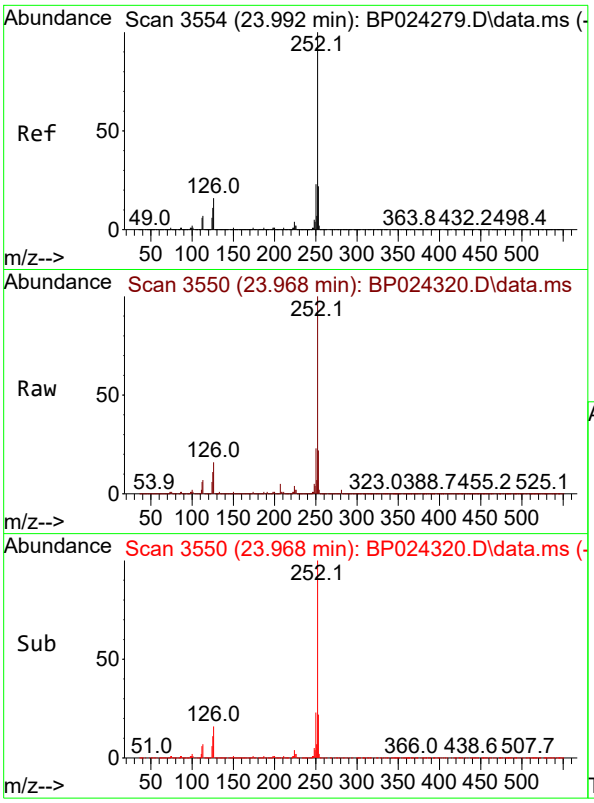


#88
Benzo(b)fluoranthene
Concen: 42.058 ng
RT: 23.898 min Scan# 3538
Delta R.T. -0.036 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:252 Resp: 3448271

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	10.9	9.4	14.0

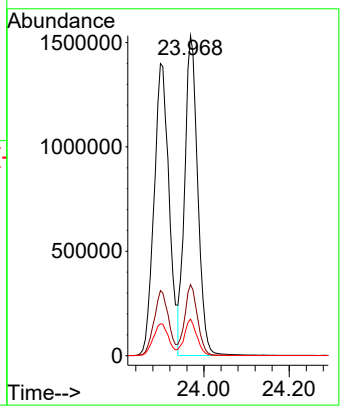




#89
Benzo(k)fluoranthene
Concen: 40.916 ng
RT: 23.968 min Scan# 3
Delta R.T. -0.030 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:252 Resp: 324034

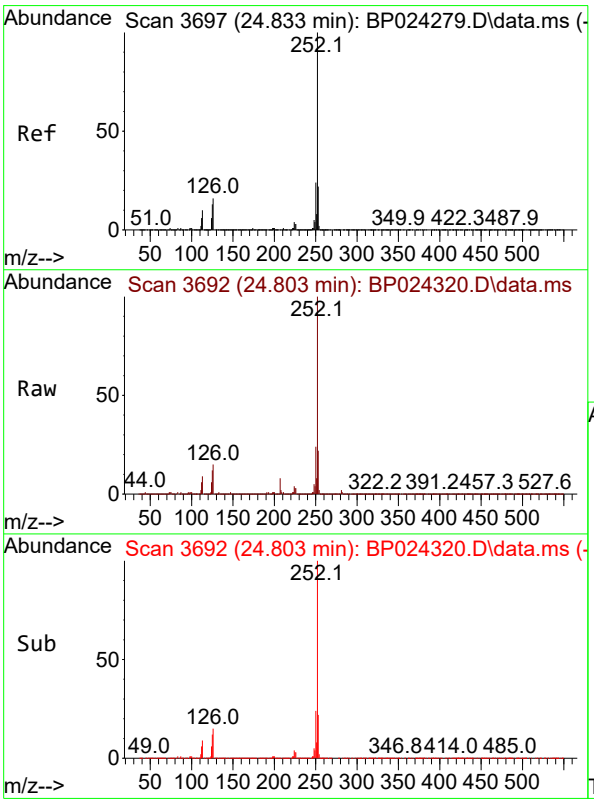
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	11.5	9.1	13.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

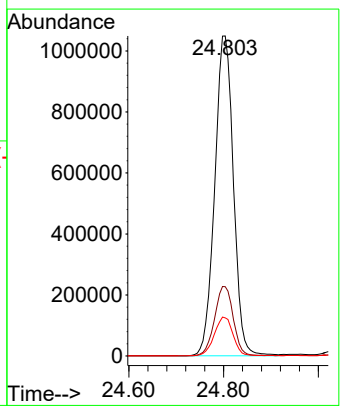
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

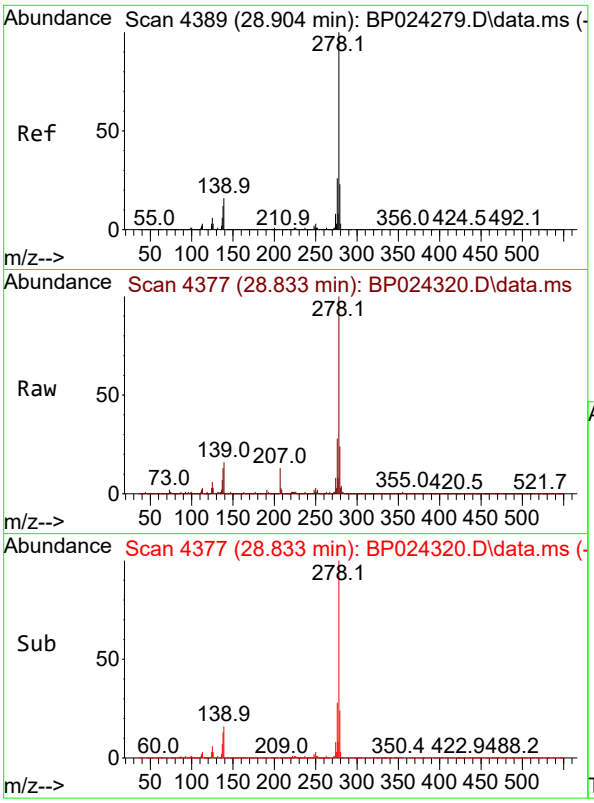


#90
Benzo(a)pyrene
Concen: 40.629 ng
RT: 24.803 min Scan# 3692
Delta R.T. -0.030 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:252 Resp: 2873369

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	11.9	10.1	15.1

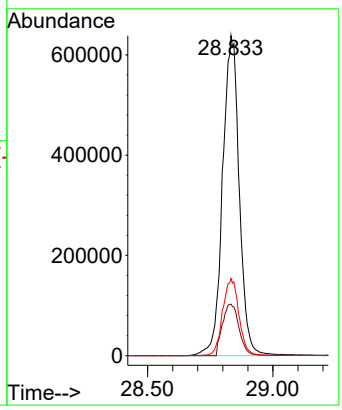




#91
Dibenzo(a,h)anthracene
Concen: 37.367 ng
RT: 28.833 min Scan# 4
Delta R.T. -0.053 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:278 Resp: 294522

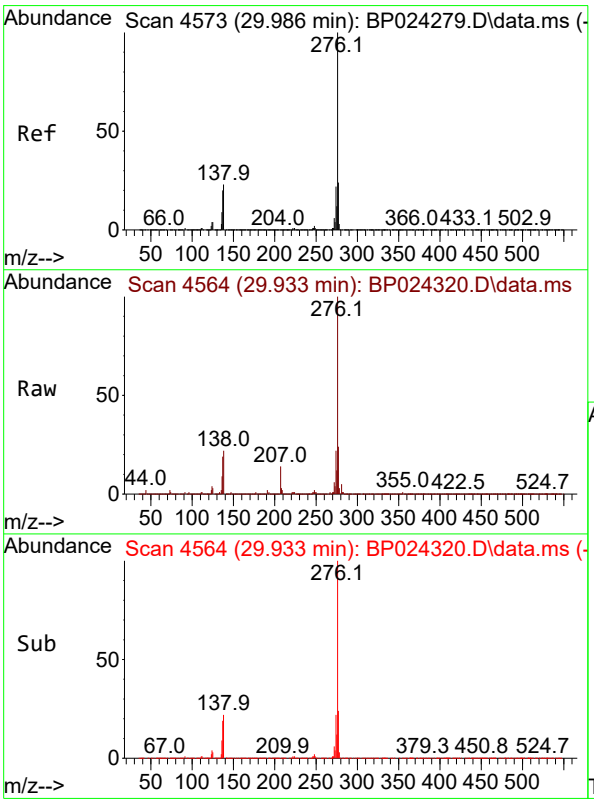
Ion	Ratio	Lower	Upper
278	100		
139	16.1	12.6	19.0
279	24.1	18.5	27.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

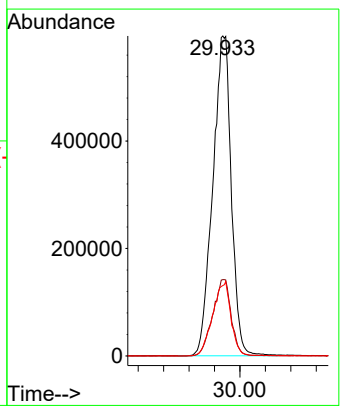
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#92
Benzo(g,h,i)perylene
Concen: 37.541 ng
RT: 29.933 min Scan# 4564
Delta R.T. -0.065 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:276 Resp: 3011818

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.9	28.3
138	22.0	18.7	28.1



Sample Results: **BP024320.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024320.D
Acq On : 17 Apr 2025 10:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 17 11:47:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	123	0.00
2		1,4-Dioxane	0.512	0.500	2.3	120	0.00
3		Pyridine	1.351	1.302	3.6	115	0.00
4		n-Nitrosodimethylamine	0.448	0.468	-4.5	126	0.00
5	S	2-Fluorophenol	1.210	1.207	0.2	119	0.00
6		Aniline	1.480	1.495	-1.0	116	0.00
7	S	Phenol-d6	1.656	1.673	-1.0	118	0.00
8		2-Chlorophenol	1.350	1.334	1.2	118	0.00
9		Benzaldehyde	0.819	0.990	-20.9	146	0.00
10	C	Phenol	1.661	1.671	-0.6	118	0.00
11		bis(2-Chloroethyl)ether	1.339	1.310	2.2	115	0.00
12		1,3-Dichlorobenzene	1.454	1.400	3.7	116	0.00
13	C	1,4-Dichlorobenzene	1.475	1.420	3.7	117	0.00
14		1,2-Dichlorobenzene	1.424	1.373	3.6	117	0.00
15		Benzyl Alcohol	1.071	1.155	-7.8	123	0.00
16		2,2'-oxybis(1-Chloropropane	1.447	1.450	-0.2	118	-0.01
17		2-Methylphenol	1.075	1.109	-3.2	120	0.00
18		Hexachloroethane	0.533	0.525	1.5	119	0.00
19	P	n-Nitroso-di-n-propylamine	1.025	1.074	-4.8	122	0.00
20		3+4-Methylphenols	1.491	1.554	-4.2	120	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	127	0.00
22		Acetophenone	0.495	0.486	1.8	119	0.00
23	S	Nitrobenzene-d5	0.351	0.352	-0.3	121	0.00
24		Nitrobenzene	0.347	0.345	0.6	120	0.00
25		Isophorone	0.635	0.650	-2.4	123	0.00
26	C	2-Nitrophenol	0.170	0.182	-7.1	126	-0.01
27		2,4-Dimethylphenol	0.213	0.216	-1.4	122	-0.01
28		bis(2-Chloroethoxy)methane	0.429	0.423	1.4	119	-0.01
29	C	2,4-Dichlorophenol	0.291	0.297	-2.1	122	0.00
30		1,2,4-Trichlorobenzene	0.311	0.306	1.6	121	0.00
31		Naphthalene	1.054	1.021	3.1	120	0.00
32		Benzoic acid	0.248	0.272	-9.7	143	-0.02
33		4-Chloroaniline	0.371	0.384	-3.5	123	-0.01
34	C	Hexachlorobutadiene	0.183	0.182	0.5	123	0.00
35		Caprolactam	0.107	0.112	-4.7	127	-0.02
36	C	4-Chloro-3-methylphenol	0.339	0.359	-5.9	128	-0.02
37		2-Methylnaphthalene	0.731	0.732	-0.1	123	-0.01
38		1-Methylnaphthalene	0.715	0.720	-0.7	125	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	134	-0.01
40		1,2,4,5-Tetrachlorobenzene	0.550	0.532	3.3	124	-0.02
41	P	Hexachlorocyclopentadiene	0.195	0.198	-1.5	122	-0.02
42	S	2,4,6-Tribromophenol	0.277	0.282	-1.8	131	-0.03
43	C	2,4,6-Trichlorophenol	0.366	0.370	-1.1	128	-0.01
44		2,4,5-Trichlorophenol	0.405	0.410	-1.2	128	-0.02
45	S	2-Fluorobiphenyl	1.306	1.257	3.8	123	-0.02
46		1,1'-Biphenyl	1.470	1.426	3.0	125	-0.02
47		2-Chloronaphthalene	1.099	1.062	3.4	125	-0.02

Sample Results: **BP024320.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024320.D
Acq On : 17 Apr 2025 10:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 17 11:47:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.308	0.323	-4.9	131	-0.02
49		Acenaphthylene	1.730	1.702	1.6	126	-0.02
50		Dimethylphthalate	1.454	1.428	1.8	128	-0.02
51		2,6-Dinitrotoluene	0.309	0.315	-1.9	130	-0.02
52	C	Acenaphthene	1.097	1.062	3.2	126	-0.02
53		3-Nitroaniline	0.325	0.329	-1.2	125	-0.02
54	P	2,4-Dinitrophenol	0.182	0.185	-1.6	133	-0.02
55		Dibenzofuran	1.793	1.735	3.2	127	-0.02
56	P	4-Nitrophenol	0.280	0.283	-1.1	124	-0.02
57		2,4-Dinitrotoluene	0.421	0.436	-3.6	130	-0.02
58		Fluorene	1.388	1.357	2.2	130	-0.02
59		2,3,4,6-Tetrachlorophenol	0.373	0.370	0.8	127	-0.02
60		Diethylphthalate	1.499	1.463	2.4	126	-0.03
61		4-Chlorophenyl-phenylether	0.674	0.662	1.8	130	-0.03
62		4-Nitroaniline	0.344	0.346	-0.6	126	-0.02
63		Azobenzene	1.378	1.375	0.2	129	-0.04
64	I	Phenanthrene-d10	1.000	1.000	0.0	133	-0.02
65		4,6-Dinitro-2-methylphenol	0.126	0.129	-2.4	132	-0.02
66	c	n-Nitrosodiphenylamine	0.597	0.595	0.3	126	-0.02
67		4-Bromophenyl-phenylether	0.219	0.223	-1.8	129	-0.02
68		Hexachlorobenzene	0.260	0.264	-1.5	130	-0.02
69		Atrazine	0.152	0.137	9.9	151#	-0.02
70	C	Pentachlorophenol	0.181	0.190	-5.0	129	-0.03
71		Phenanthrene	1.091	1.034	5.2	122	-0.03
72		Anthracene	1.052	1.043	0.9	125	-0.03
73		Carbazole	1.027	0.995	3.1	122	-0.03
74		Di-n-butylphthalate	1.280	1.282	-0.2	122	-0.03
75	C	Fluoranthene	1.298	1.230	5.2	122	-0.03
76	I	Chrysene-d12	1.000	1.000	0.0	113	-0.01
77		Benzidine	0.254	0.281	-10.6	73	-0.02
78		Pyrene	1.271	1.389	-9.3	120	-0.02
79	S	Terphenyl-d14	0.992	1.068	-7.7	117	-0.04
80		Butylbenzylphthalate	0.544	0.577	-6.1	110	-0.02
81		Benzo(a)anthracene	1.243	1.222	1.7	107	-0.02
82		3,3'-Dichlorobenzidine	0.436	0.416	4.6	97	-0.03
83		Chrysene	1.191	1.150	3.4	107	-0.02
84		Bis(2-ethylhexyl)phthalate	0.798	0.738	7.5	93	-0.02
85	c	Di-n-octyl phthalate	1.297	1.105	14.8	86	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	92	-0.02
87		Indeno(1,2,3-cd)pyrene	1.388	1.298	6.5	83	-0.06
88		Benzo(b)fluoranthene	1.199	1.261	-5.2	92	-0.04
89		Benzo(k)fluoranthene	1.158	1.184	-2.2	90	-0.03
90	C	Benzo(a)pyrene	1.034	1.050	-1.5	89	-0.03
91		Dibenzo(a,h)anthracene	1.152	1.077	6.5	82	-0.05
92		Benzo(g,h,i)perylene	1.173	1.101	6.1	83	-0.06

Sample Results: **BP024320.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024320.D
Acq On : 17 Apr 2025 10:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 17 11:47:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BP024320.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024320.D
Acq On : 17 Apr 2025 10:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 17 11:47:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	123	0.00
2		1,4-Dioxane	40.000	39.127	2.2	120	0.00
3		Pyridine	40.000	38.560	3.6	115	0.00
4		n-Nitrosodimethylamine	40.000	41.785	-4.5	126	0.00
5	S	2-Fluorophenol	80.000	79.849	0.2	119	0.00
6		Aniline	40.000	40.398	-1.0	116	0.00
7	S	Phenol-d6	80.000	80.815	-1.0	118	0.00
8		2-Chlorophenol	40.000	39.525	1.2	118	0.00
9		Benzaldehyde	40.000	48.331	-20.8	146	0.00
10	C	Phenol	40.000	40.231	-0.6	118	0.00
11		bis(2-Chloroethyl)ether	40.000	39.133	2.2	115	0.00
12		1,3-Dichlorobenzene	40.000	38.519	3.7	116	0.00
13	C	1,4-Dichlorobenzene	40.000	38.512	3.7	117	0.00
14		1,2-Dichlorobenzene	40.000	38.546	3.6	117	0.00
15		Benzyl Alcohol	40.000	43.149	-7.9	123	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.074	-0.2	118	-0.01
17		2-Methylphenol	40.000	41.265	-3.2	120	0.00
18		Hexachloroethane	40.000	39.362	1.6	119	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.945	-4.9	122	0.00
20		3+4-Methylphenols	40.000	41.680	-4.2	120	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	127	0.00
22		Acetophenone	40.000	39.275	1.8	119	0.00
23	S	Nitrobenzene-d5	80.000	80.222	-0.3	121	0.00
24		Nitrobenzene	40.000	39.810	0.5	120	0.00
25		Isophorone	40.000	40.971	-2.4	123	0.00
26	C	2-Nitrophenol	40.000	42.822	-7.1	126	-0.01
27		2,4-Dimethylphenol	40.000	40.604	-1.5	122	-0.01
28		bis(2-Chloroethoxy)methane	40.000	39.481	1.3	119	-0.01
29	C	2,4-Dichlorophenol	40.000	40.829	-2.1	122	0.00
30		1,2,4-Trichlorobenzene	40.000	39.336	1.7	121	0.00
31		Naphthalene	40.000	38.783	3.0	120	0.00
32		Benzoic acid	40.000	43.759	-9.4	143	-0.02
33		4-Chloroaniline	40.000	41.360	-3.4	123	-0.01
34	C	Hexachlorobutadiene	40.000	39.760	0.6	123	0.00
35		Caprolactam	40.000	41.696	-4.2	127	-0.02
36	C	4-Chloro-3-methylphenol	40.000	42.443	-6.1	128	-0.02
37		2-Methylnaphthalene	40.000	40.072	-0.2	123	-0.01
38		1-Methylnaphthalene	40.000	40.297	-0.7	125	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	134	-0.01
40		1,2,4,5-Tetrachlorobenzene	40.000	38.659	3.4	124	-0.02
41	P	Hexachlorocyclopentadiene	40.000	40.713	-1.8	122	-0.02
42	S	2,4,6-Tribromophenol	80.000	81.408	-1.8	131	-0.03
43	C	2,4,6-Trichlorophenol	40.000	40.507	-1.3	128	-0.01
44		2,4,5-Trichlorophenol	40.000	40.463	-1.2	128	-0.02
45	S	2-Fluorobiphenyl	80.000	76.978	3.8	123	-0.02
46		1,1'-Biphenyl	40.000	38.813	3.0	125	-0.02
47		2-Chloronaphthalene	40.000	38.660	3.4	125	-0.02

Sample Results: **BP024320.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024320.D
Acq On : 17 Apr 2025 10:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 17 11:47:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	41.935	-4.8	131	-0.02
49		Acenaphthylene	40.000	39.357	1.6	126	-0.02
50		Dimethylphthalate	40.000	39.269	1.8	128	-0.02
51		2,6-Dinitrotoluene	40.000	40.755	-1.9	130	-0.02
52	C	Acenaphthene	40.000	38.741	3.1	126	-0.02
53		3-Nitroaniline	40.000	40.596	-1.5	125	-0.02
54	P	2,4-Dinitrophenol	40.000	40.612	-1.5	133	-0.02
55		Dibenzofuran	40.000	38.705	3.2	127	-0.02
56	P	4-Nitrophenol	40.000	40.410	-1.0	124	-0.02
57		2,4-Dinitrotoluene	40.000	41.354	-3.4	130	-0.02
58		Fluorene	40.000	39.102	2.2	130	-0.02
59		2,3,4,6-Tetrachlorophenol	40.000	39.593	1.0	127	-0.02
60		Diethylphthalate	40.000	39.045	2.4	126	-0.03
61		4-Chlorophenyl-phenylether	40.000	39.321	1.7	130	-0.03
62		4-Nitroaniline	40.000	40.328	-0.8	126	-0.02
63		Azobenzene	40.000	39.931	0.2	129	-0.04
64	I	Phenanthrene-d10	20.000	20.000	0.0	133	-0.02
65		4,6-Dinitro-2-methylphenol	40.000	41.077	-2.7	132	-0.02
66	c	n-Nitrosodiphenylamine	40.000	39.848	0.4	126	-0.02
67		4-Bromophenyl-phenylether	40.000	40.713	-1.8	129	-0.02
68		Hexachlorobenzene	40.000	40.613	-1.5	130	-0.02
69		Atrazine	40.000	36.043	9.9	151	-0.02
70	C	Pentachlorophenol	40.000	41.869	-4.7	129	-0.03
71		Phenanthrene	40.000	37.914	5.2	122	-0.03
72		Anthracene	40.000	39.677	0.8	125	-0.03
73		Carbazole	40.000	38.752	3.1	122	-0.03
74		Di-n-butylphthalate	40.000	40.070	-0.2	122	-0.03
75	C	Fluoranthene	40.000	37.908	5.2	122	-0.03
76	I	Chrysene-d12	20.000	20.000	0.0	113	-0.01
77		Benzidine	40.000	44.305	-10.8	73	-0.02
78		Pyrene	40.000	43.721	-9.3	120	-0.02
79	S	Terphenyl-d14	80.000	86.126	-7.7	117	-0.04
80		Butylbenzylphthalate	40.000	42.411	-6.0	110	-0.02
81		Benzo(a)anthracene	40.000	39.316	1.7	107	-0.02
82		3,3'-Dichlorobenzidine	40.000	38.110	4.7	97	-0.03
83		Chrysene	40.000	38.613	3.5	107	-0.02
84		Bis(2-ethylhexyl)phthalate	40.000	37.004	7.5	93	-0.02
85	c	Di-n-octyl phthalate	40.000	34.068	14.8	86	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	92	-0.02
87		Indeno(1,2,3-cd)pyrene	40.000	37.391	6.5	83	-0.06
88		Benzo(b)fluoranthene	40.000	42.058	-5.1	92	-0.04
89		Benzo(k)fluoranthene	40.000	40.916	-2.3	90	-0.03
90	C	Benzo(a)pyrene	40.000	40.629	-1.6	89	-0.03
91		Dibenzo(a,h)anthracene	40.000	37.367	6.6	82	-0.05
92		Benzo(g,h,i)perylene	40.000	37.541	6.1	83	-0.06

Sample Results: **BP024320.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024320.D
Acq On : 17 Apr 2025 10:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 17 11:47:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

QC SAMPLE DATA

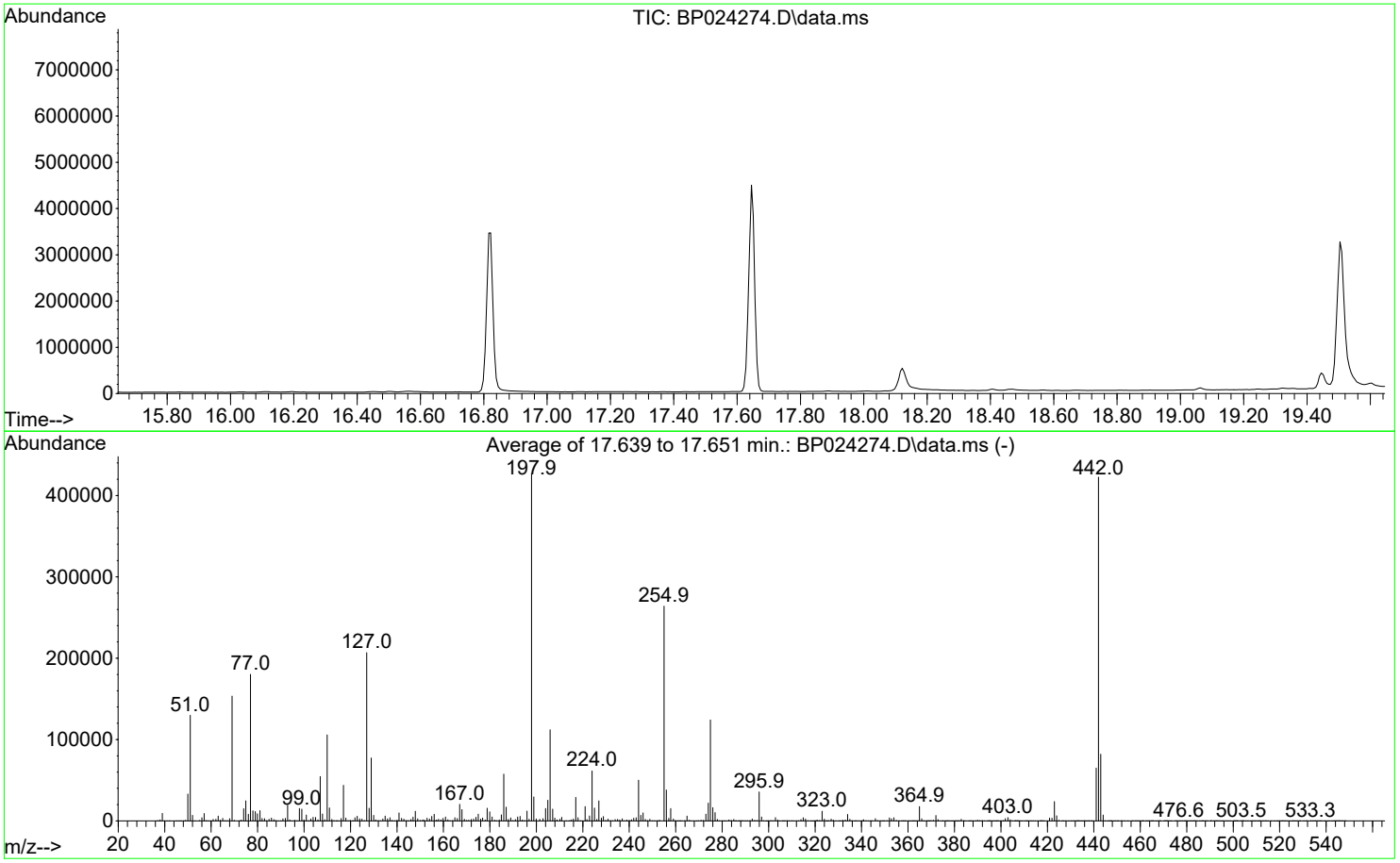
Sample Results: **BP024274.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024274.D
Acq On : 14 Apr 2025 10:25
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Apr 15 04:48:42 2025



AutoFind: Scans 2474, 2475, 2476; Background Corrected with Scan 2463

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	30.4	129796	PASS
68	69	0.00	2	1.8	2815	PASS
69	198	0.00	100	36.0	153442	PASS
70	69	0.00	2	0.5	836	PASS
127	198	10	80	48.5	206858	PASS
197	198	0.00	2	0.5	2122	PASS
198	198	100	100	100.0	426527	PASS
199	198	5	9	6.9	29549	PASS
275	198	10	60	29.1	124199	PASS
365	198	1	100	4.1	17663	PASS
441	198	0.01	100	15.2	64862	PASS
442	442	100	100	100.0	422528	PASS
443	442	15	24	19.4	82090	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
4/14/2025	BNA_P	BP024274.D
Compound Name	**Response**	**Retention Time**
DDT	1715151	20.798
DDD	26002	20.386
DDE	1572	19.81
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
27574	1742725	1.58

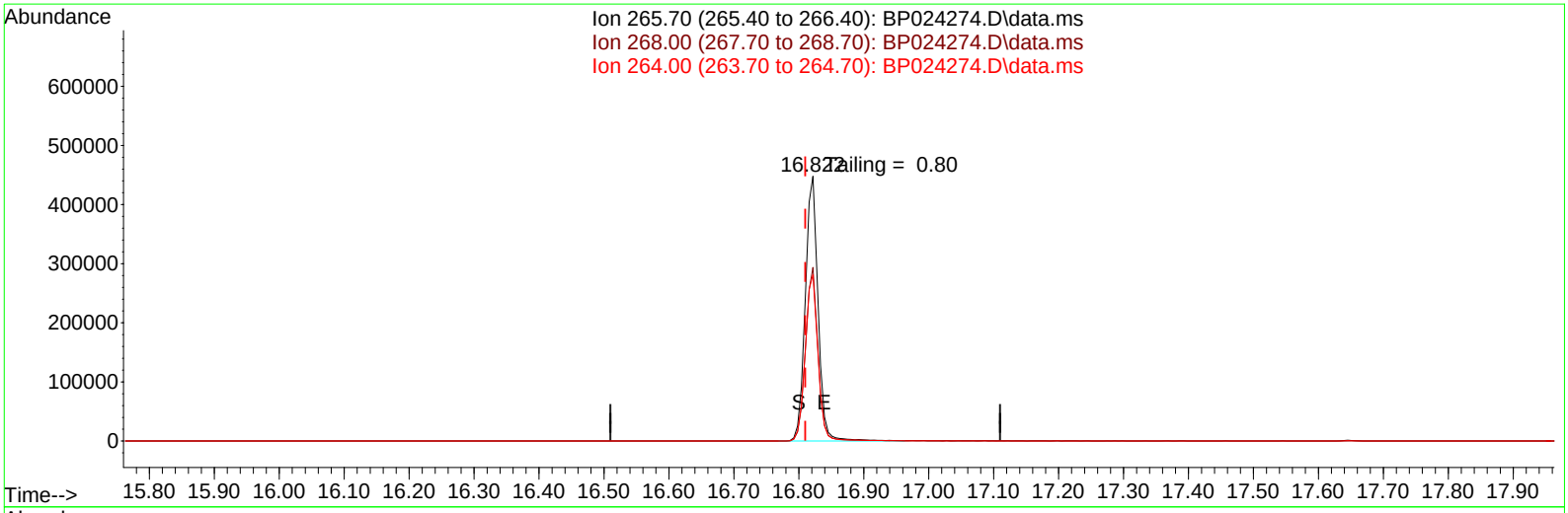
Instrument :
BNA_P
ClientSampleId :
DFTPP

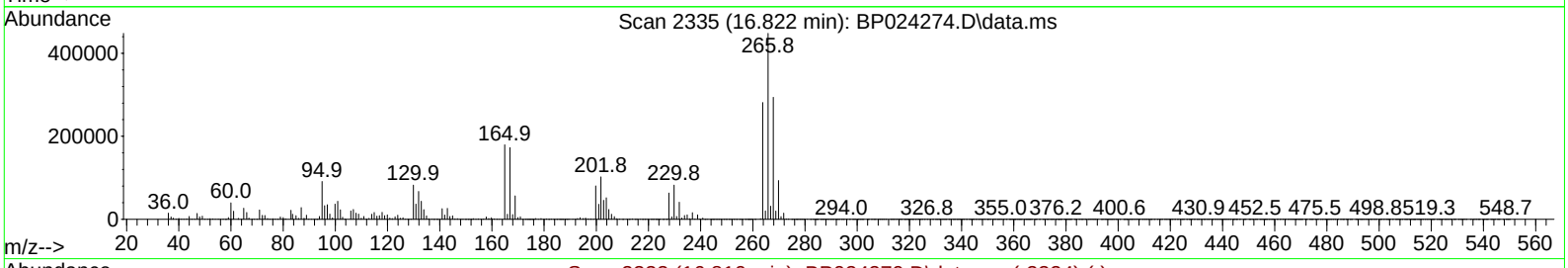
Sample Results: **BP024274.D**

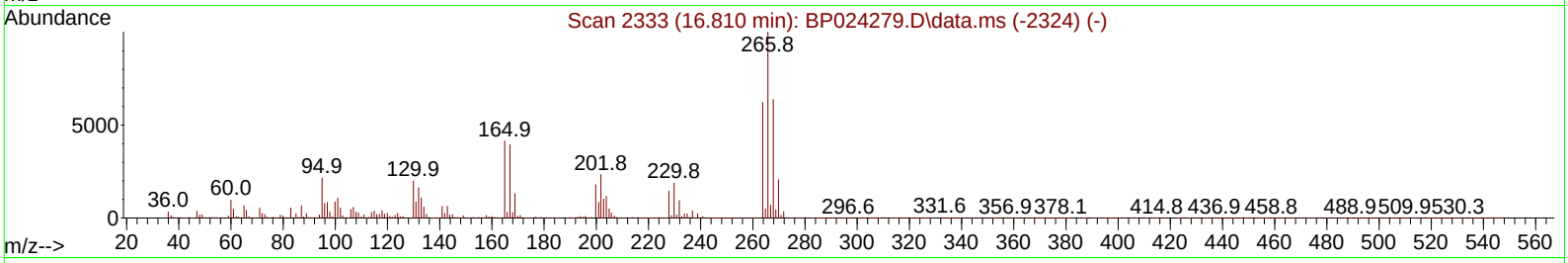
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024274.D
Acq On : 14 Apr 2025 10:25
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Apr 14 15:07:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 15:04:09 2025
Response via : Initial Calibration







TIC: BP024274.D\data.ms

(70) Pentachlorophenol (C)

16.822min (+ 0.012) 3117222.42 ng

response 611847

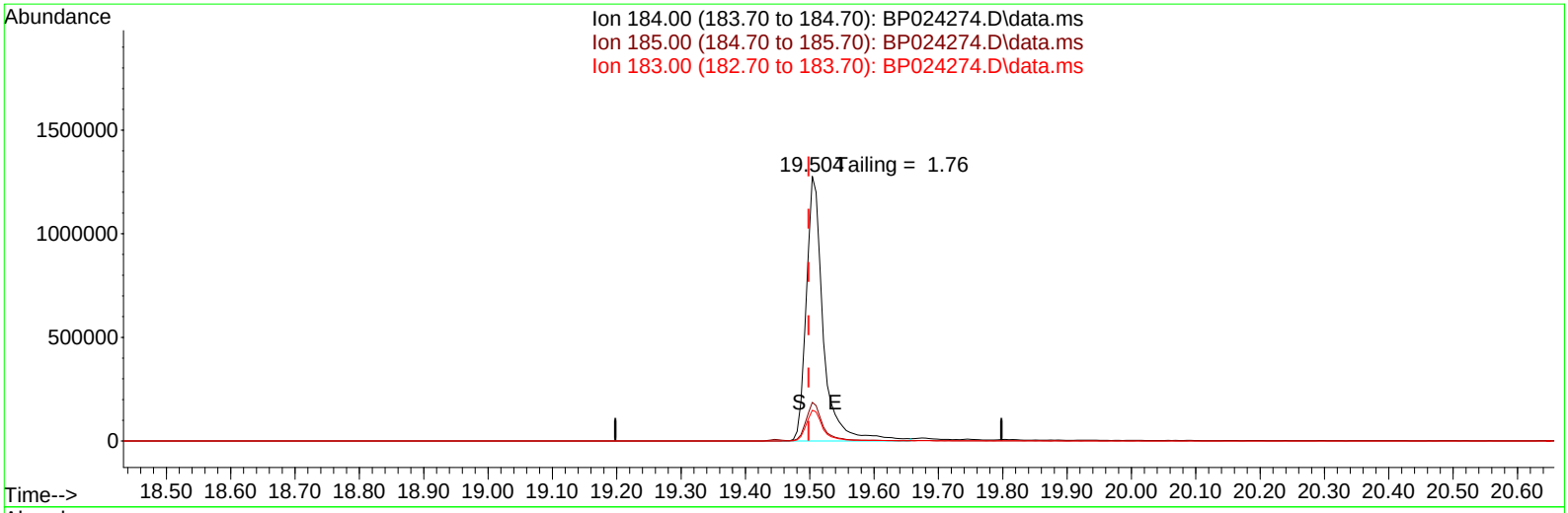
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	65.61
264.00	62.20	62.81
0.00	0.00	0.00

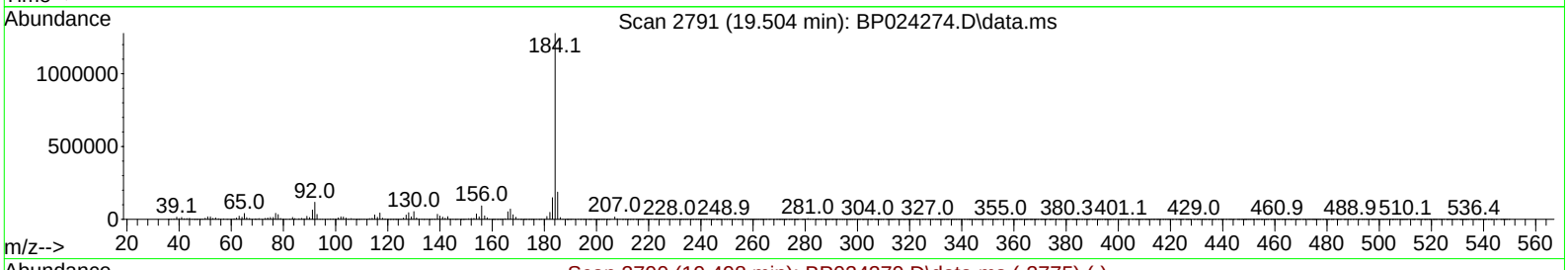
Sample Results: **BP024274.D**

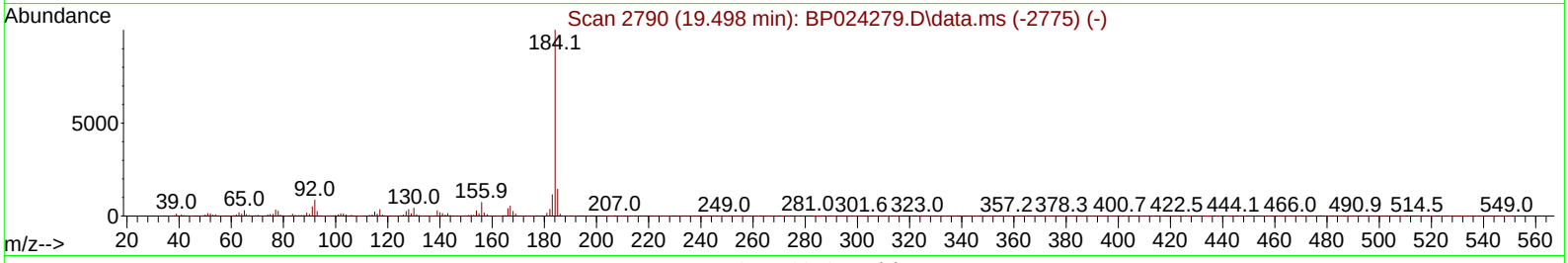
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024274.D
Acq On : 14 Apr 2025 10:25
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Apr 14 15:07:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 15:04:09 2025
Response via : Initial Calibration







TIC: BP024274.D\data.ms

(77) Benzidine

19.504min (+ 0.006) 7415471.13 ng

response 2354373

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.50	14.60
183.00	11.50	11.64
0.00	0.00	0.00

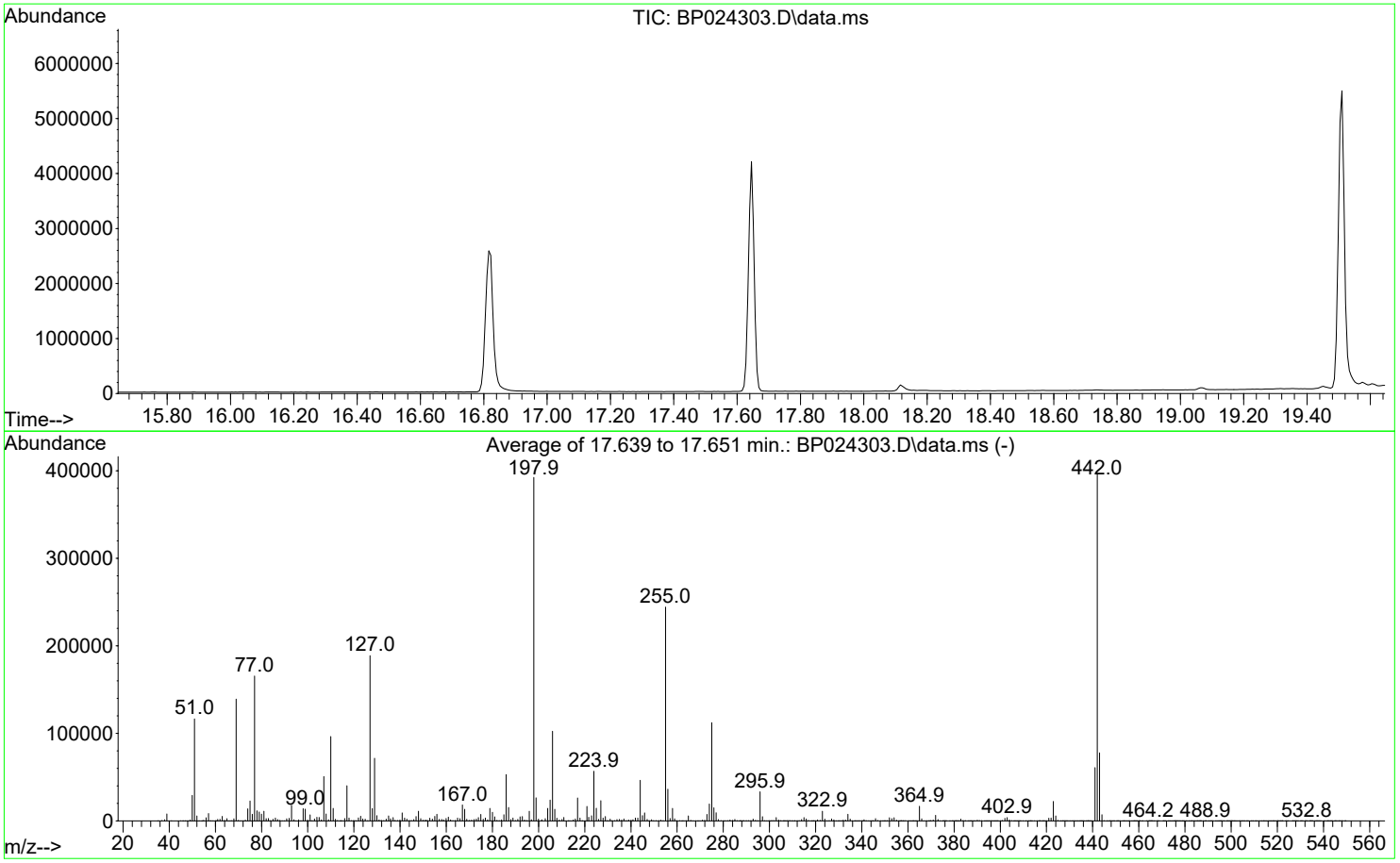
Sample Results: **BP024303.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024303.D
Acq On : 16 Apr 2025 09:02
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Apr 15 04:48:42 2025



AutoFind: Scans 2474, 2475, 2476; Background Corrected with Scan 2463

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	29.7	116586	PASS
68	69	0.00	2	1.7	2375	PASS
69	198	0.00	100	35.5	139114	PASS
70	69	0.00	2	0.5	719	PASS
127	198	10	80	48.1	188795	PASS
197	198	0.00	2	0.3	1342	PASS
198	198	100	100	100.0	392321	PASS
199	198	5	9	6.7	26445	PASS
275	198	10	60	28.6	112299	PASS
365	198	1	100	4.3	16793	PASS
441	198	0.01	100	15.5	60943	PASS
442	442	100	100	100.0	396330	PASS
443	442	15	24	19.6	77746	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
4/16/2025	BNA_P	BP024303.D
Compound Name	**Response**	**Retention Time**
DDT	1484042	20.792
DDD	46977	20.345
DDE	1465	19.804
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
48442	1532484	3.16

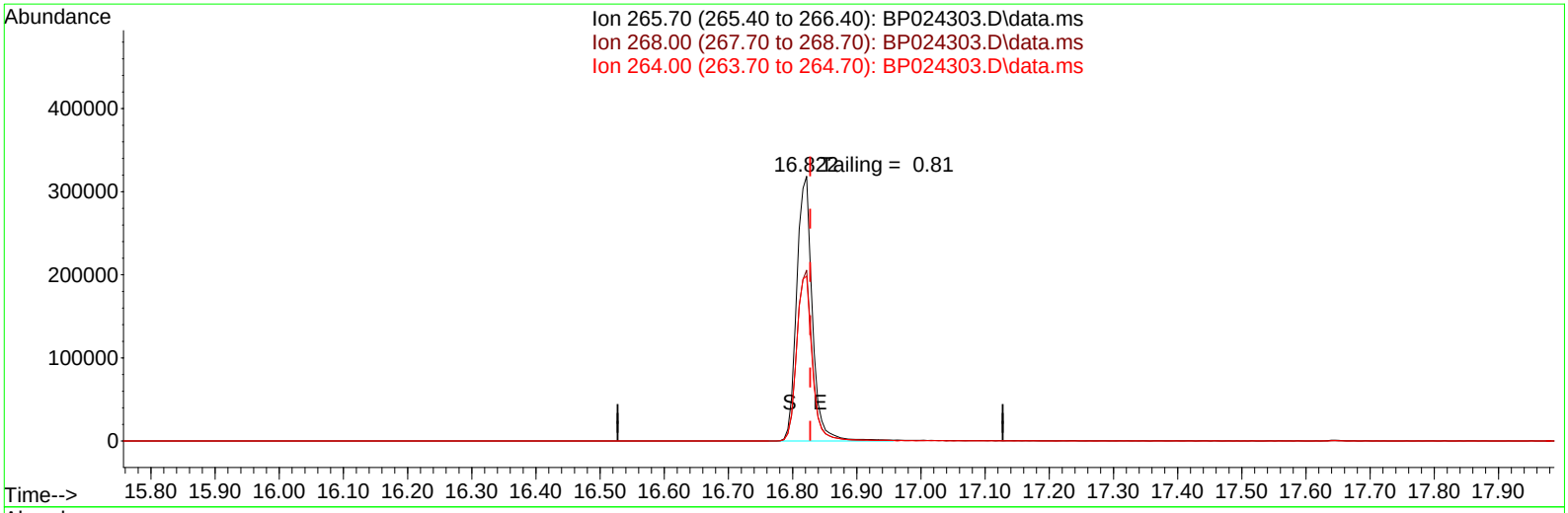
Instrument :
BNA_P
ClientSampleId :
DFTPP

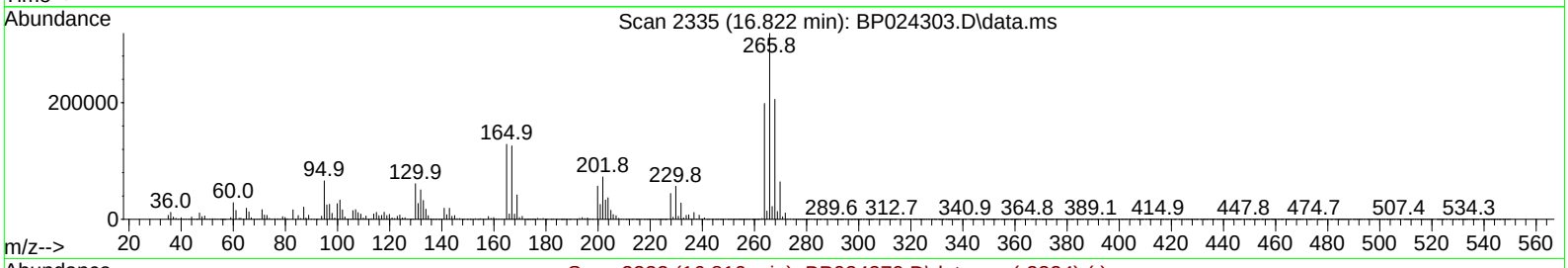
Sample Results: **BP024303.D**

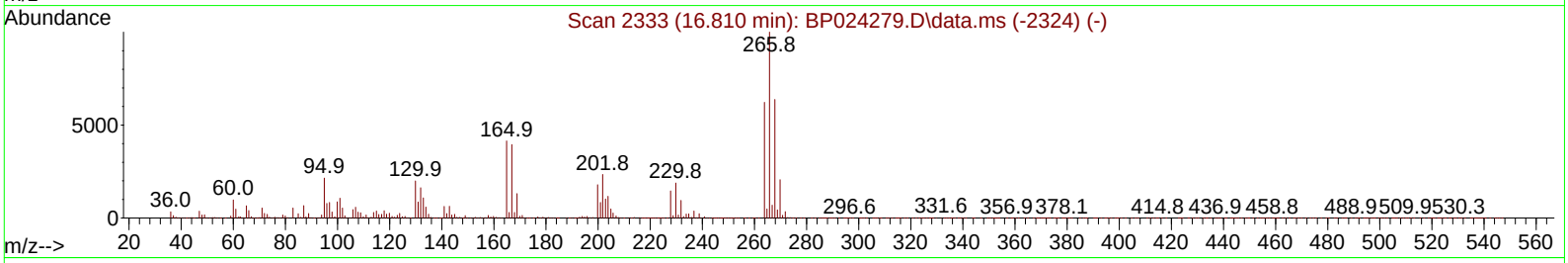
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024303.D
Acq On : 16 Apr 2025 09:02
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Apr 16 11:22:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration







TIC: BP024303.D\data.ms

(70) Pentachlorophenol (C)

16.822min (-0.006) 63083.83 ng

response 543342

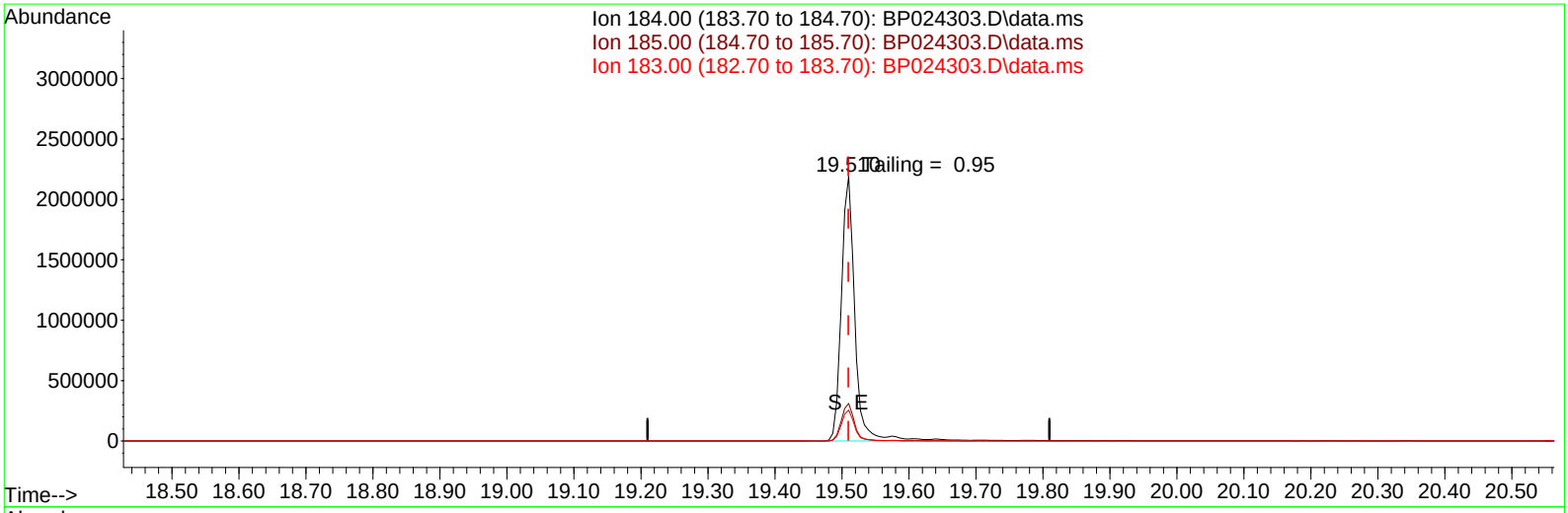
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	64.53
264.00	62.20	62.32
0.00	0.00	0.00

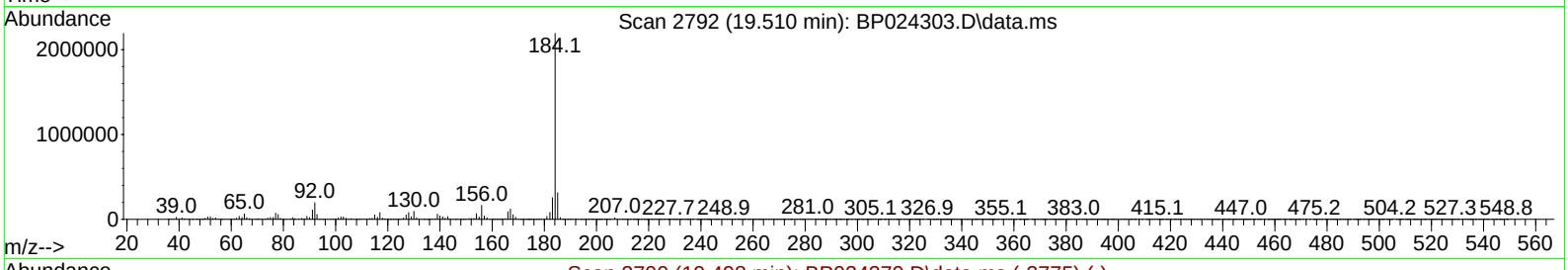
Sample Results: **BP024303.D**

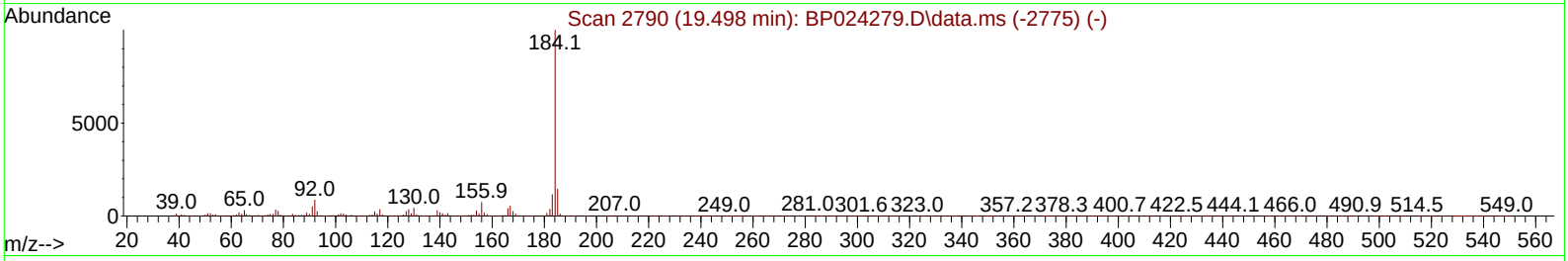
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024303.D
Acq On : 16 Apr 2025 09:02
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Apr 16 11:22:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration







TIC: BP024303.D\data.ms

(77) Benzidine

19.510min (+ 0.000) 173060.25 ng

response 2961475

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.50	14.19
183.00	11.50	11.69
0.00	0.00	0.00

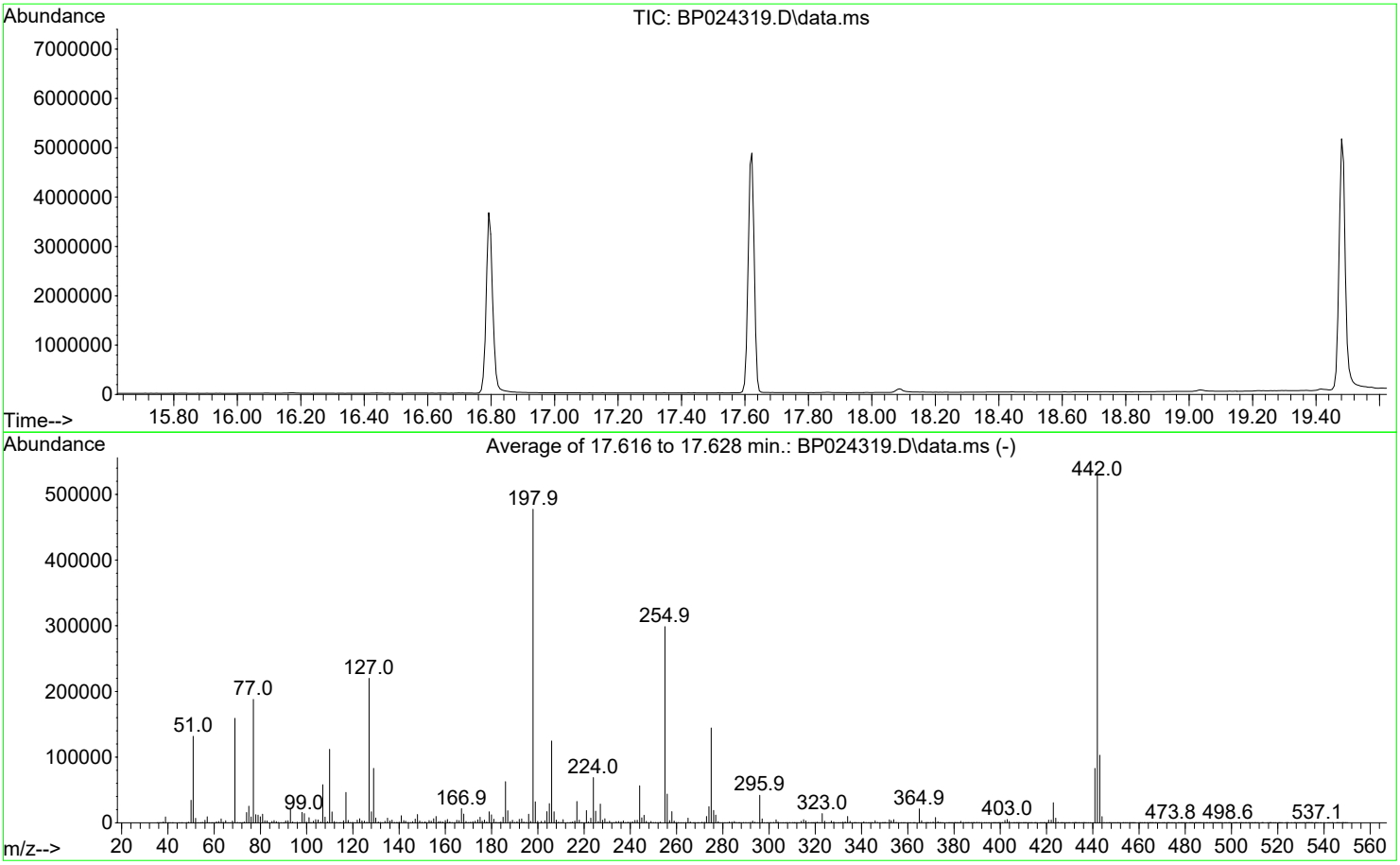
Sample Results: **BP024319.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024319.D
Acq On : 17 Apr 2025 09:49
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Apr 15 04:48:42 2025



AutoFind: Scans 2470, 2471, 2472; Background Corrected with Scan 2460

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	27.6	131819	PASS
68	69	0.00	2	1.7	2691	PASS
69	198	0.00	100	33.3	159149	PASS
70	69	0.00	2	0.4	664	PASS
127	198	10	80	46.1	219887	PASS
197	198	0.00	2	0.5	2326	PASS
198	198	100	100	100.0	477482	PASS
199	198	5	9	6.7	32125	PASS
275	198	10	60	30.2	144359	PASS
365	198	1	100	4.5	21282	PASS
441	198	0.01	100	17.4	82883	PASS
442	442	100	100	100.0	529482	PASS
443	442	15	24	19.4	102868	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
4/17/2025	BNA_P	BP024319.D
Compound Name	**Response**	**Retention Time**
DDT	1782977	20.769
DDD	41005	20.31
DDE	3233	19.781
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
44238	1827215	2.42

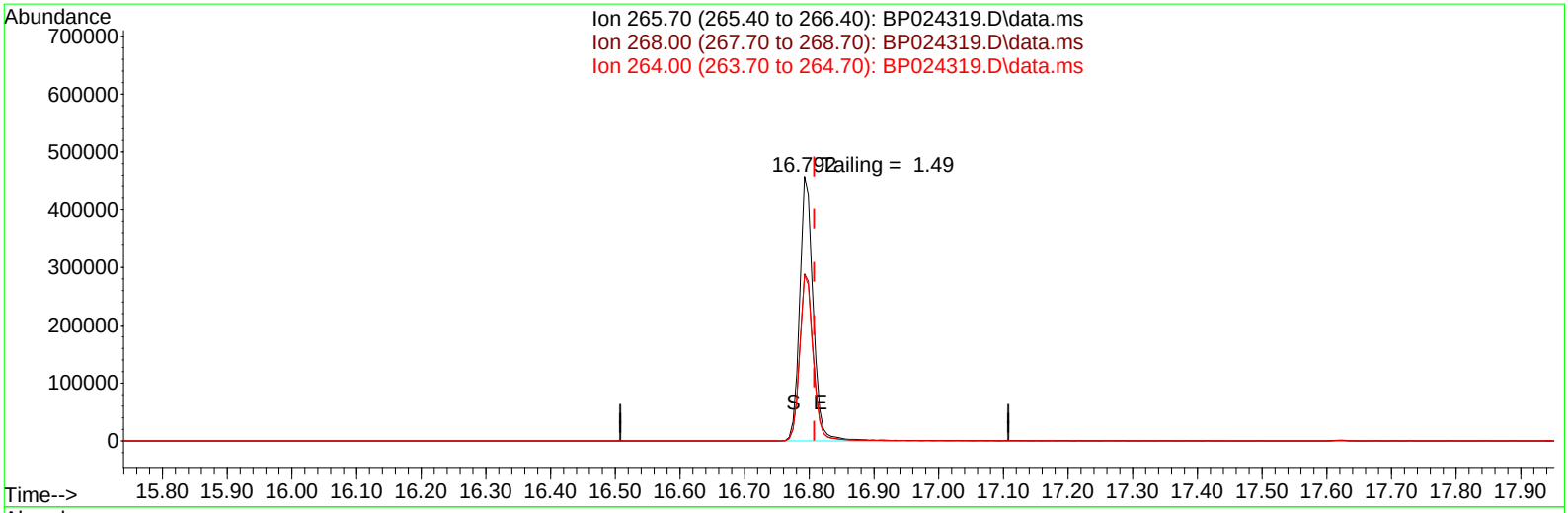
Instrument :
BNA_P
ClientSampleId :
DFTPP

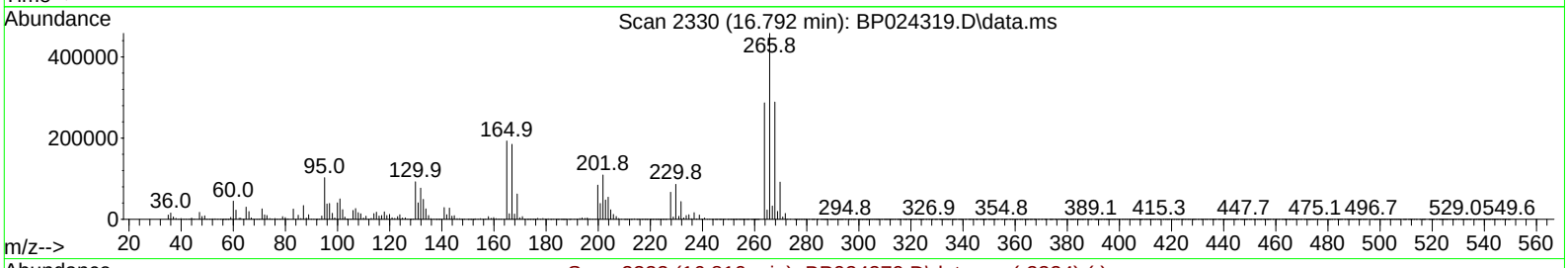
Sample Results: **BP024319.D**

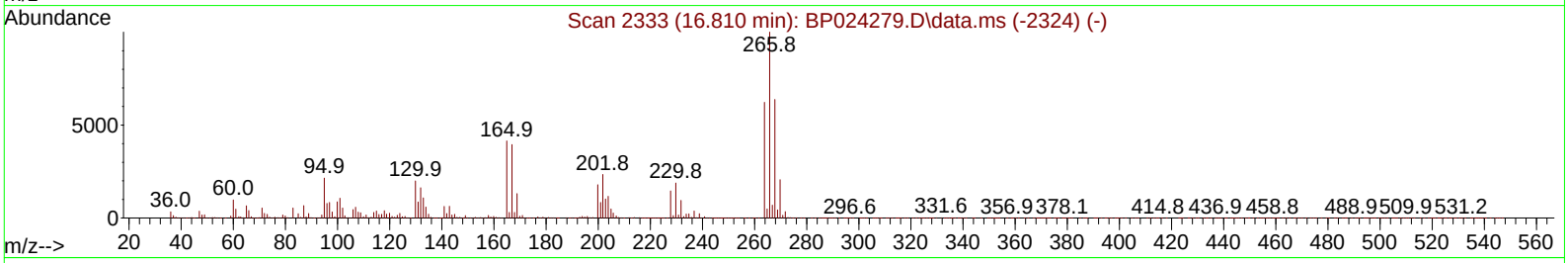
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024319.D
Acq On : 17 Apr 2025 09:49
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Apr 17 12:47:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration







TIC: BP024319.D\data.ms

(70) Pentachlorophenol (C)

16.792min (-0.015) 3494703.78 ng

response 665367

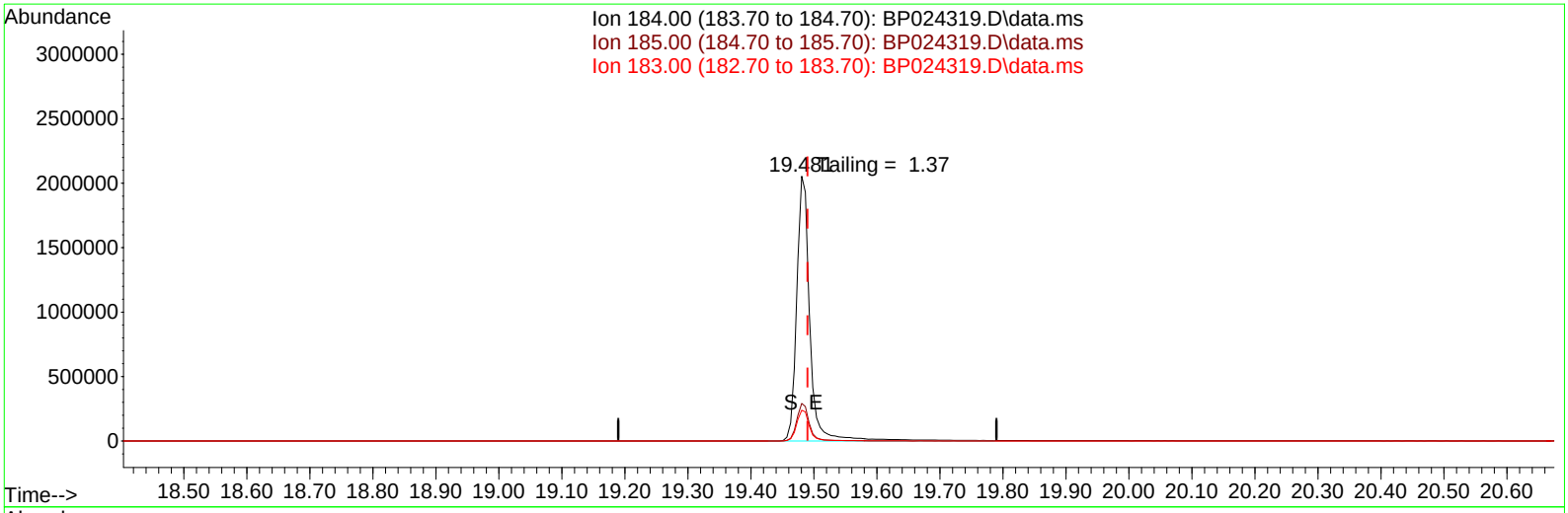
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	63.09
264.00	62.20	62.63
0.00	0.00	0.00

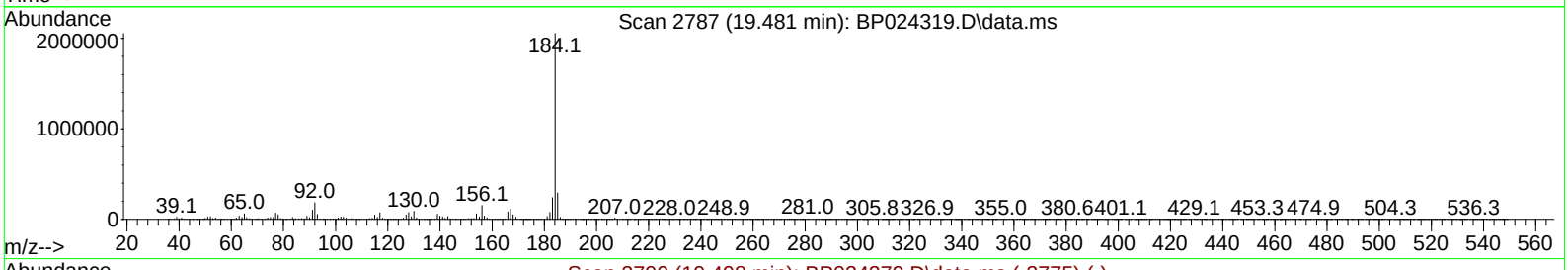
Sample Results: **BP024319.D**

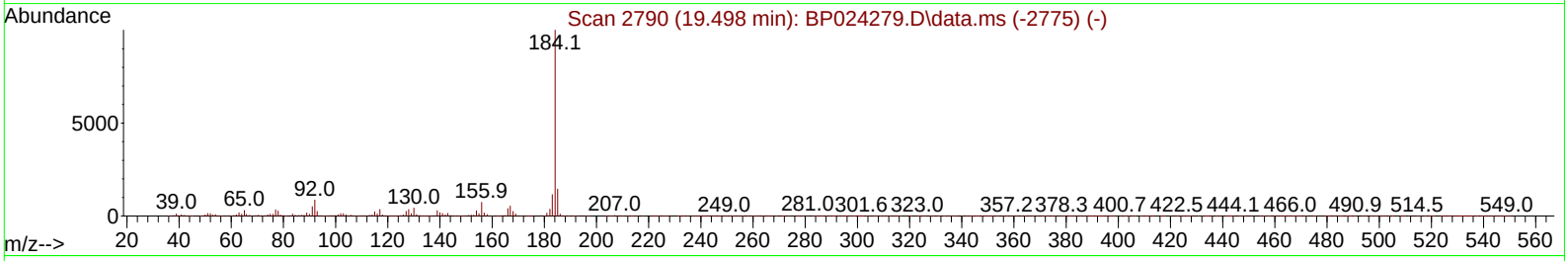
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024319.D
Acq On : 17 Apr 2025 09:49
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Apr 17 12:47:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration







TIC: BP024319.D\data.ms

(77) Benzidine

19.481min (-0.009) 4514488.36 ng

response 2975698

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.50	14.21
183.00	11.50	11.67
0.00	0.00	0.00

Raw Data: **BP024309.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:	ANN			Date Received:	
Client Sample ID:	PB167564BL			SDG No.:	Q1762
Lab Sample ID:	PB167564BL			Matrix:	Water
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024309.D	1	04/11/25 08:32	04/16/25 13:07	PB167564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.0	ug/L
108-95-2	Phenol	0.91	U	0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.81	U	0.81	5.00	ug/L
95-57-8	2-Chlorophenol	0.58	U	0.58	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	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
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	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
88-75-5	2-Nitrophenol	1.80	U	1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.52	U	0.52	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
59-50-7	4-Chloro-3-methylphenol	0.59	U	0.59	5.00	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
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
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

Raw Data: **BP024309.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:	ANN	Date Received:	
Client Sample ID:	PB167564BL	SDG No.:	Q1762
Lab Sample ID:	PB167564BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024309.D	1	04/11/25 08:32	04/16/25 13:07	PB167564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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
51-28-5	2,4-Dinitrophenol	6.00	U	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.0	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
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	2.90	10.0	ug/L
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
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	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

Raw Data: **BP024309.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:	ANN			Date Received:	
Client Sample ID:	PB167564BL			SDG No.:	Q1762
Lab Sample ID:	PB167564BL			Matrix:	Water
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024309.D	1	04/11/25 08:32	04/16/25 13:07	PB167564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	138		15 (10) - 110 (139)	92%	SPK: 150
13127-88-3	Phenol-d6	125		15 (10) - 110 (134)	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.4		30 (49) - 130 (133)	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.0		30 (52) - 130 (132)	90%	SPK: 100
118-79-6	2,4,6-Tribromophenol	128		15 (44) - 110 (137)	86%	SPK: 150
1718-51-0	Terphenyl-d14	92.3		30 (48) - 130 (125)	92%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	270000	7.728			
1146-65-2	Naphthalene-d8	1070000	10.504			
15067-26-2	Acenaphthene-d10	645000	14.363			
1517-22-2	Phenanthrene-d10	1210000	17.174			
1719-03-5	Chrysene-d12	1180000	21.627			
1520-96-3	Perylene-d12	1340000	24.992			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	25.2	A		4.89	ug/L
000107-70-0	2-Pentanone, 4-methoxy-4-methyl-	5.00	J		5.95	ug/L

Raw Data: **BP024309.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:	ANN			Date Received:	
Client Sample ID:	PB167564BL			SDG No.:	Q1762
Lab Sample ID:	PB167564BL			Matrix:	Water
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024309.D	1	04/11/25 08:32	04/16/25 13:07	PB167564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024309.D
Acq On : 16 Apr 2025 13:07
Operator : RC/JU
Sample : PB167564BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167564BL

Quant Time: Apr 16 13:27:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	270242	20.000	ng	0.00
21) Naphthalene-d8	10.504	136	1066353	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	644577	20.000	ng	0.00
64) Phenanthrene-d10	17.174	188	1213246	20.000	ng	0.00
76) Chrysene-d12	21.627	240	1175360	20.000	ng	0.00
86) Perylene-d12	24.992	264	1338097	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	2259867	138.268	ng	0.00
7) Phenol-d6	6.910	99	2790942	124.709	ng	0.00
23) Nitrobenzene-d5	8.875	82	1691131	90.430	ng	0.00
42) 2,4,6-Tribromophenol	15.874	330	1145111	128.404	ng	-0.02
45) 2-Fluorobiphenyl	12.969	172	3789237	90.008	ng	-0.01
79) Terphenyl-d14	19.898	244	5385127	92.350	ng	-0.02
Target Compounds						Qvalue

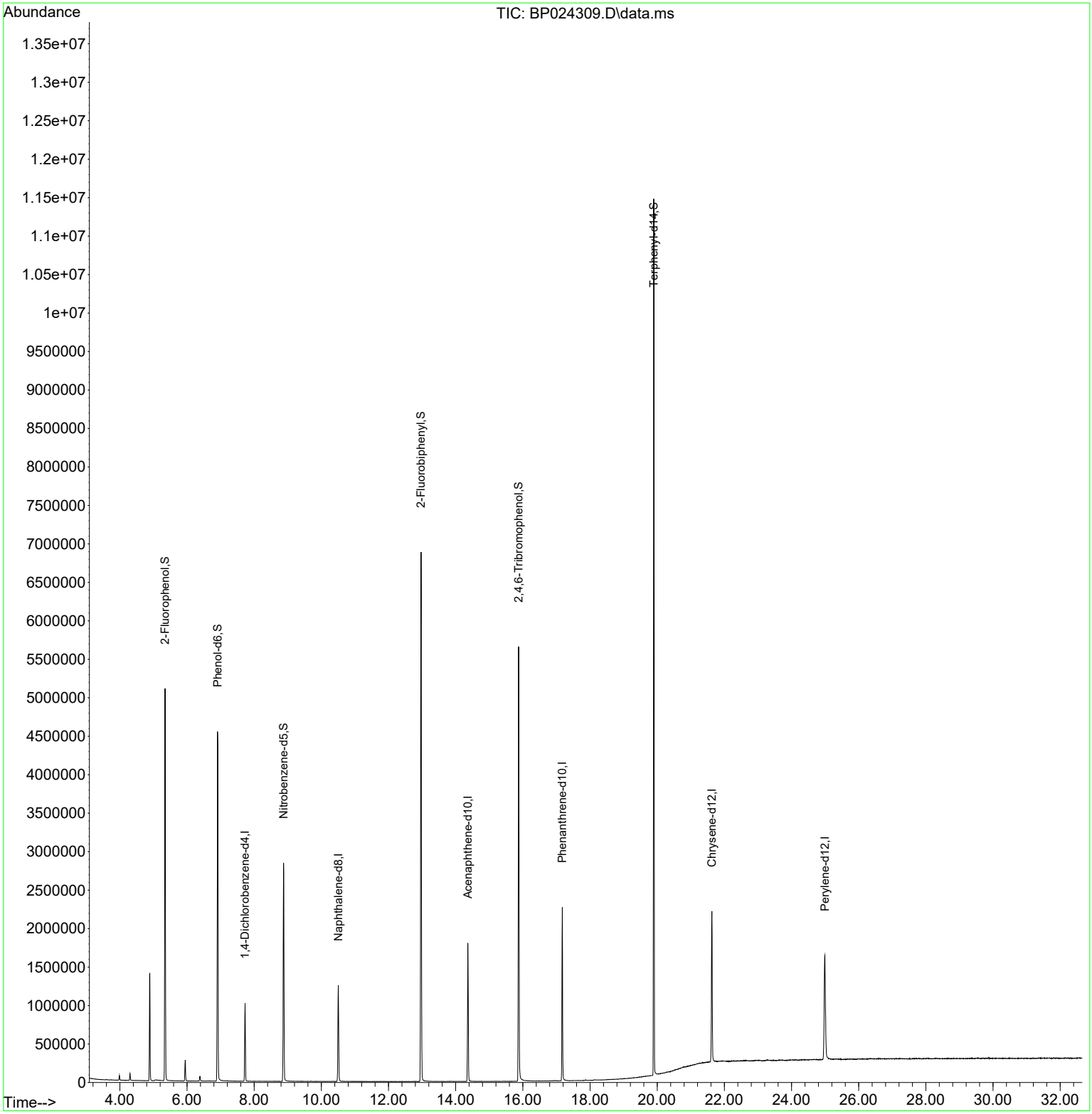
(#) = qualifier out of range (m) = manual integration (+) = signals summed

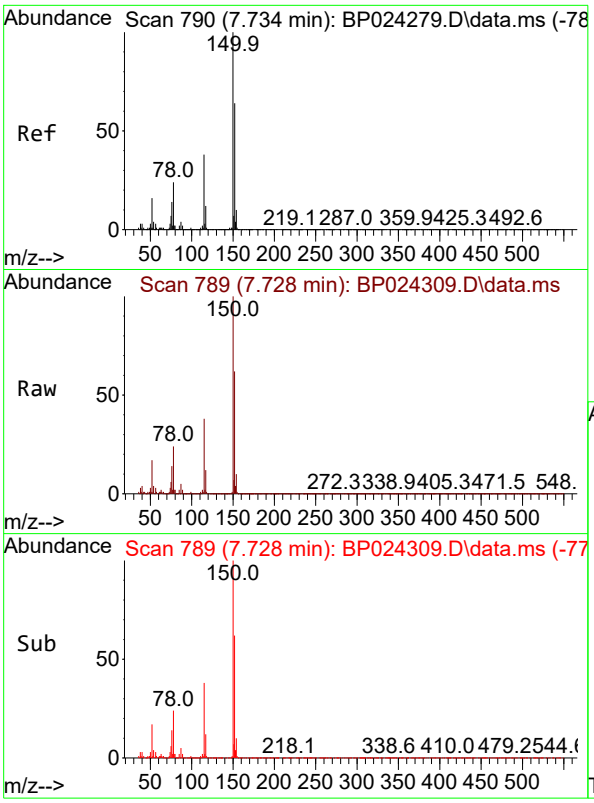
Sample Results: **BP024309.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024309.D
Acq On : 16 Apr 2025 13:07
Operator : RC/JU
Sample : PB167564BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167564BL

Quant Time: Apr 16 13:27:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration



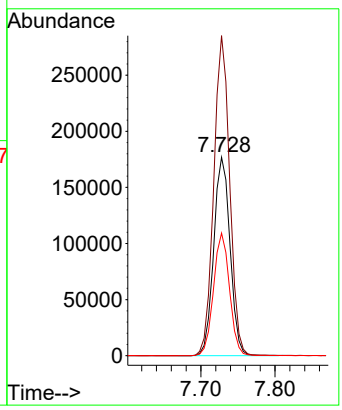


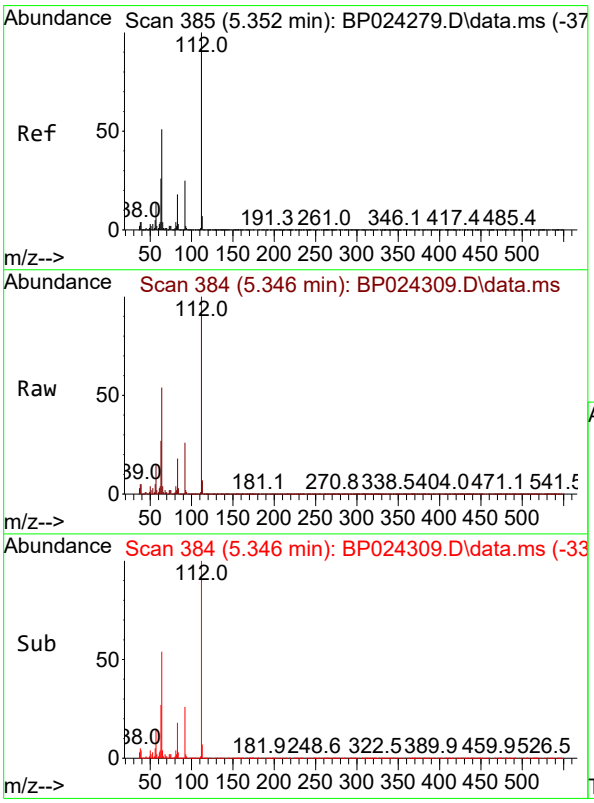
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024309.D
Acq: 16 Apr 2025 13:07

Instrument :
BNA_P
ClientSampleId :
PB167564BL

Tgt Ion:152 Resp: 270242

Ion	Ratio	Lower	Upper
152	100		
150	161.3	124.9	187.3
115	61.8	47.7	71.5

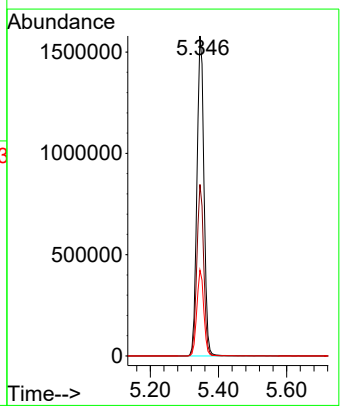


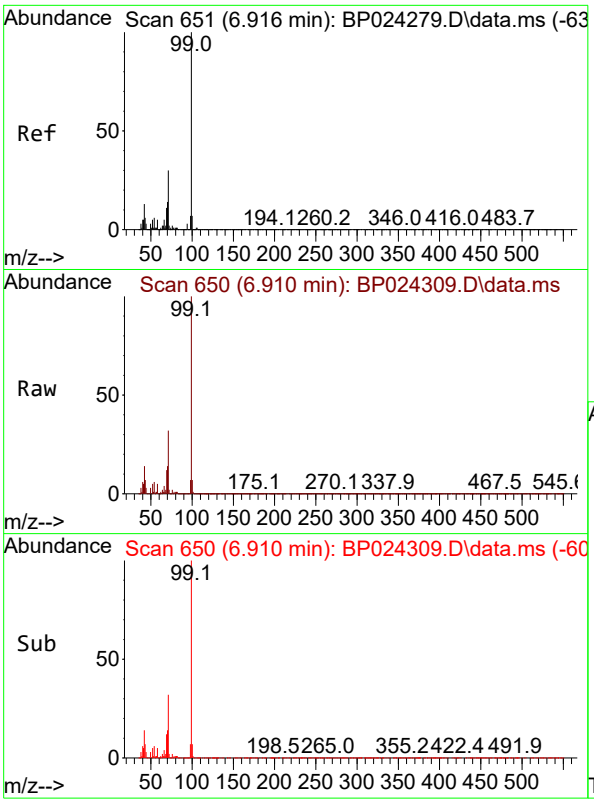


#5
2-Fluorophenol
Concen: 138.268 ng
RT: 5.346 min Scan# 384
Delta R.T. -0.006 min
Lab File: BP024309.D
Acq: 16 Apr 2025 13:07

Tgt Ion:112 Resp: 2259867

Ion	Ratio	Lower	Upper
112	100		
64	53.6	41.1	61.7
63	26.8	20.6	30.8



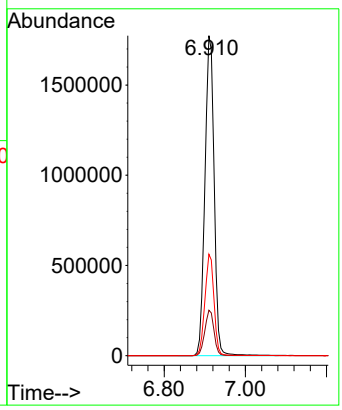


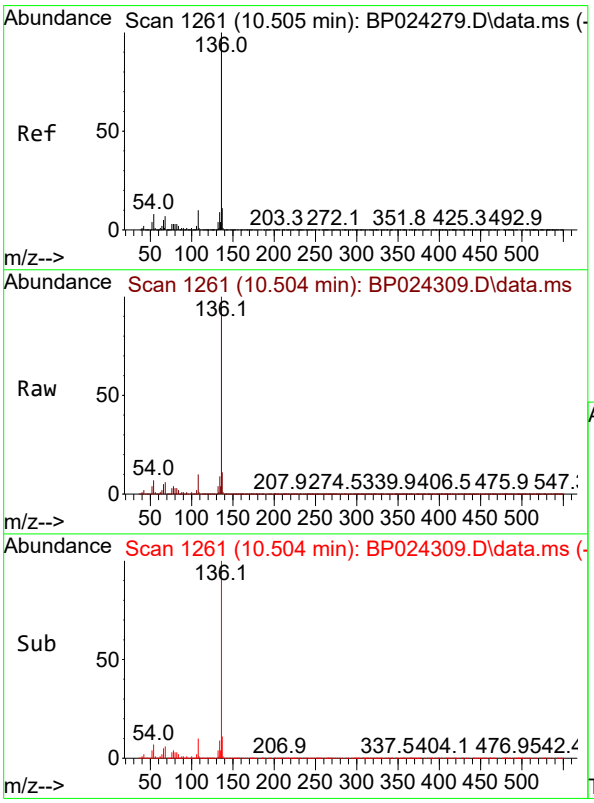
#7
Phenol-d6
Concen: 124.709 ng
RT: 6.910 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024309.D
Acq: 16 Apr 2025 13:07

Instrument :
BNA_P
ClientSampleId :
PB167564BL

Tgt Ion: 99 Resp: 2790942

Ion	Ratio	Lower	Upper
99	100		
42	14.2	10.6	16.0
71	31.7	23.7	35.5

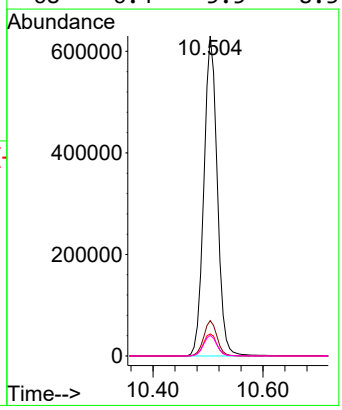


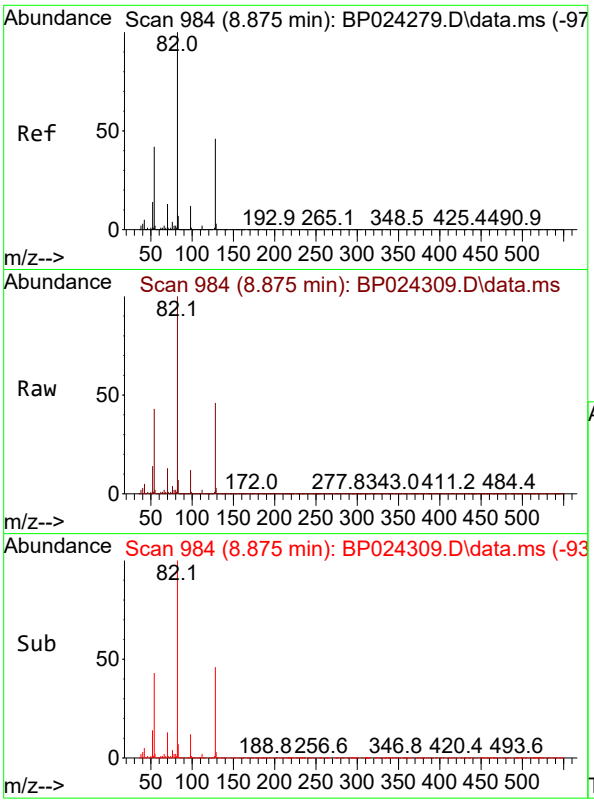


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.504 min Scan# 1261
Delta R.T. -0.000 min
Lab File: BP024309.D
Acq: 16 Apr 2025 13:07

Tgt Ion:136 Resp: 1066353

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	6.9	6.0	9.0
68	6.4	5.5	8.3



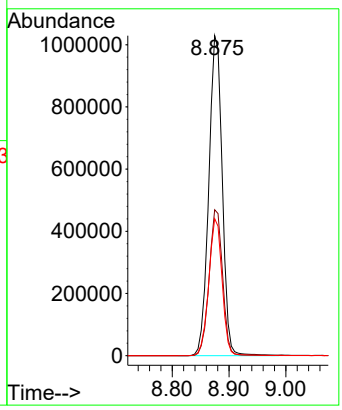


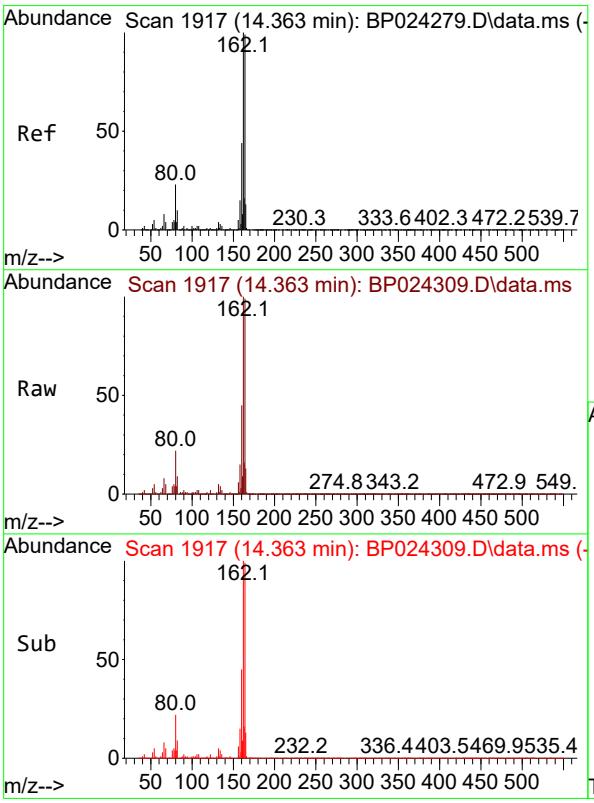
#23
Nitrobenzene-d5
Concen: 90.430 ng
RT: 8.875 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024309.D
Acq: 16 Apr 2025 13:07

Instrument :
BNA_P
ClientSampleId :
PB167564BL

Tgt Ion: 82 Resp: 1691131

Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.5	54.7
54	42.8	33.4	50.2

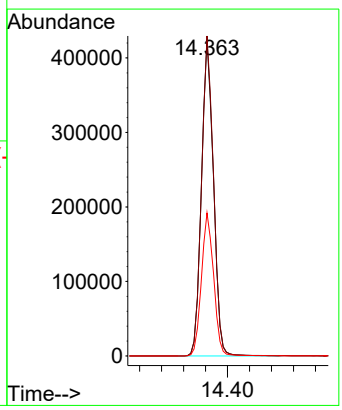


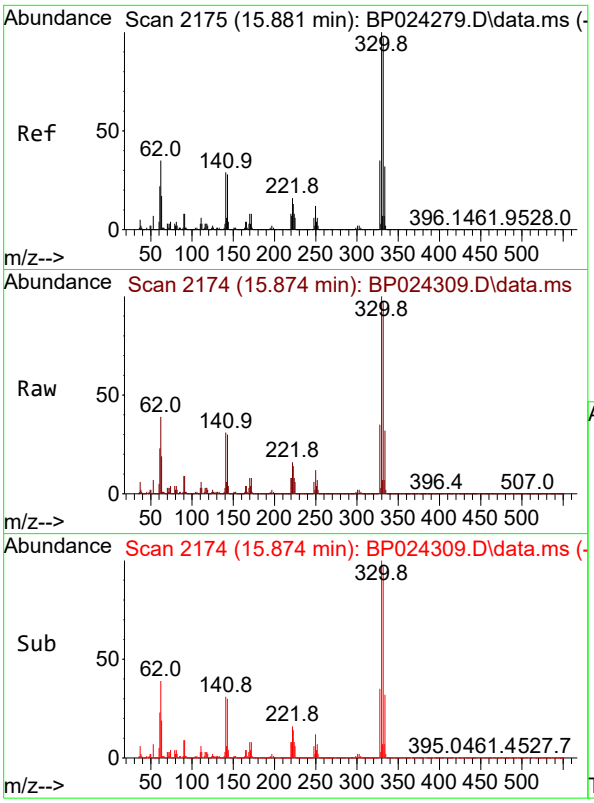


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1917
Delta R.T. -0.006 min
Lab File: BP024309.D
Acq: 16 Apr 2025 13:07

Tgt Ion:164 Resp: 644577

Ion	Ratio	Lower	Upper
164	100		
162	101.1	80.6	120.8
160	45.2	35.3	52.9



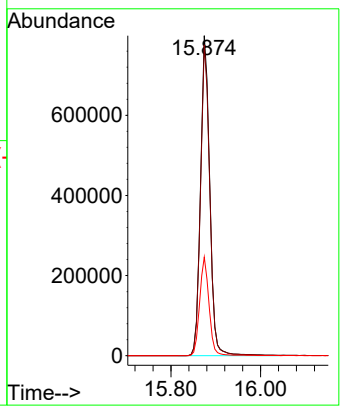


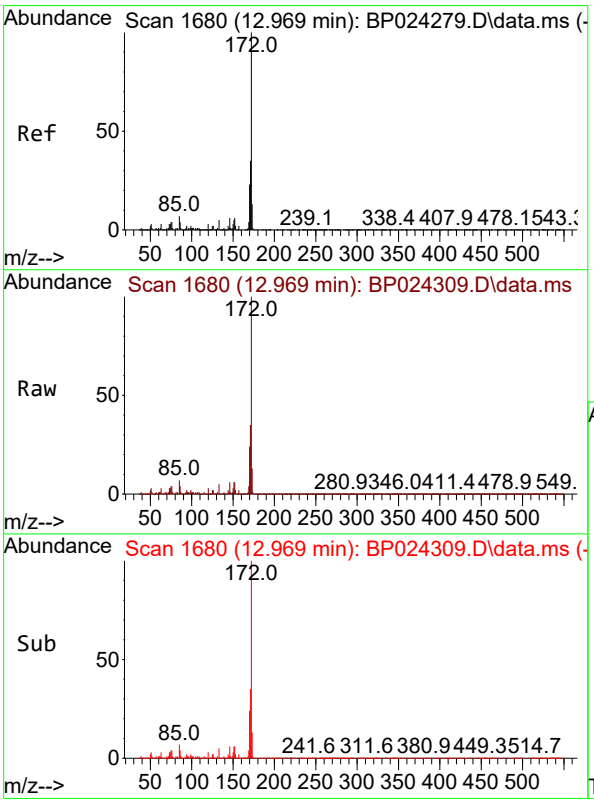
#42
2,4,6-Tribromophenol
Concen: 128.404 ng
RT: 15.874 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024309.D
Acq: 16 Apr 2025 13:07

Instrument :
BNA_P
ClientSampleId :
PB167564BL

Tgt Ion:330 Resp: 1145111

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.1	115.7
141	31.2	24.7	37.1

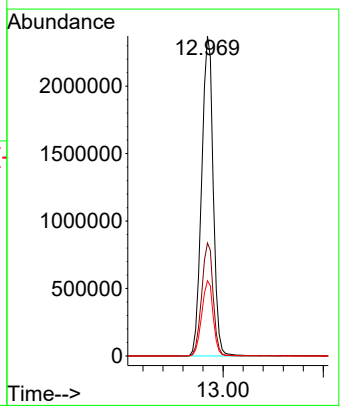


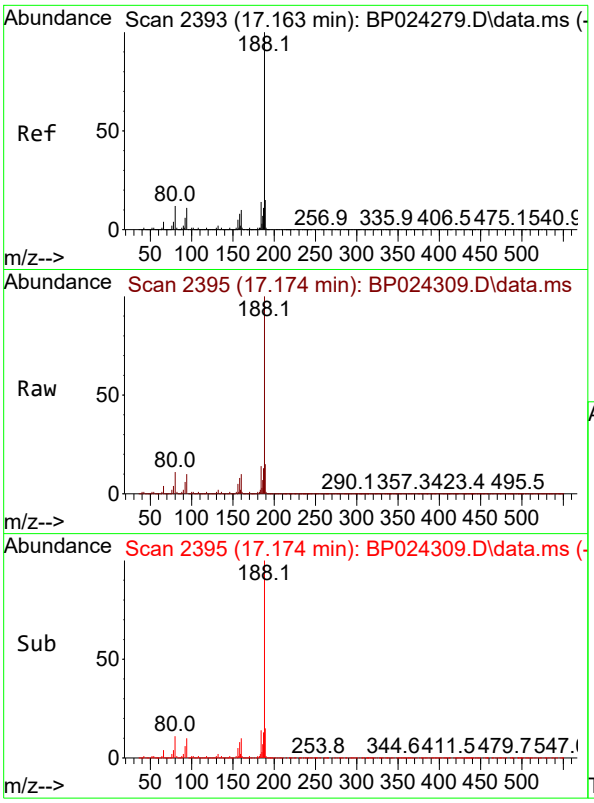


#45
2-Fluorobiphenyl
Concen: 90.008 ng
RT: 12.969 min Scan# 1680
Delta R.T. -0.012 min
Lab File: BP024309.D
Acq: 16 Apr 2025 13:07

Tgt Ion:172 Resp: 3789237

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.2
170	23.5	18.6	27.8



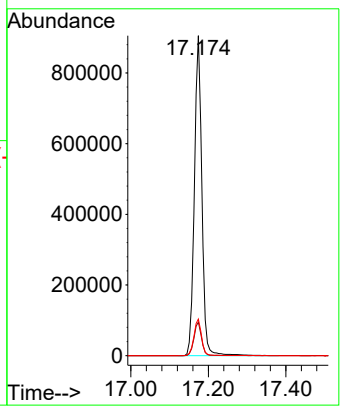


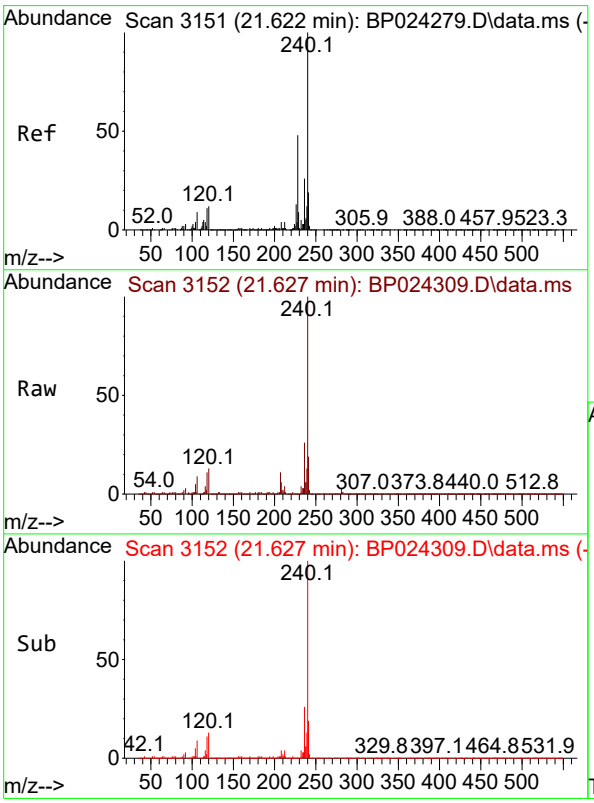
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.174 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024309.D
Acq: 16 Apr 2025 13:07

Instrument :
BNA_P
ClientSampleId :
PB167564BL

Tgt Ion:188 Resp: 1213246

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.6	13.0
80	11.5	9.8	14.6

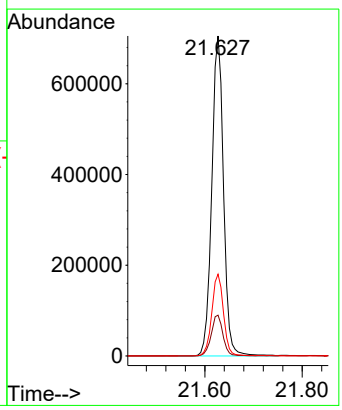


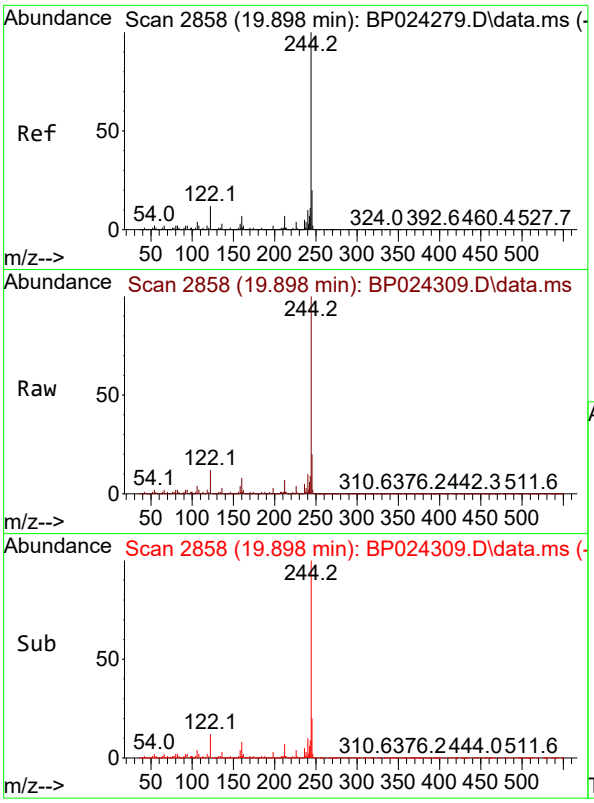


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.627 min Scan# 3152
Delta R.T. 0.006 min
Lab File: BP024309.D
Acq: 16 Apr 2025 13:07

Tgt Ion:240 Resp: 1175360

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.8	14.8
236	25.5	20.9	31.3



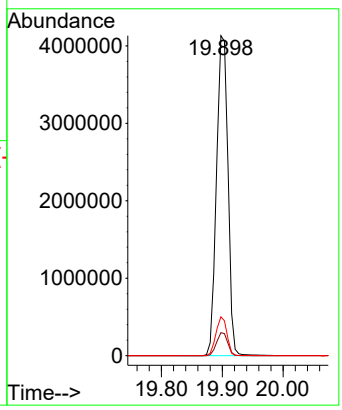


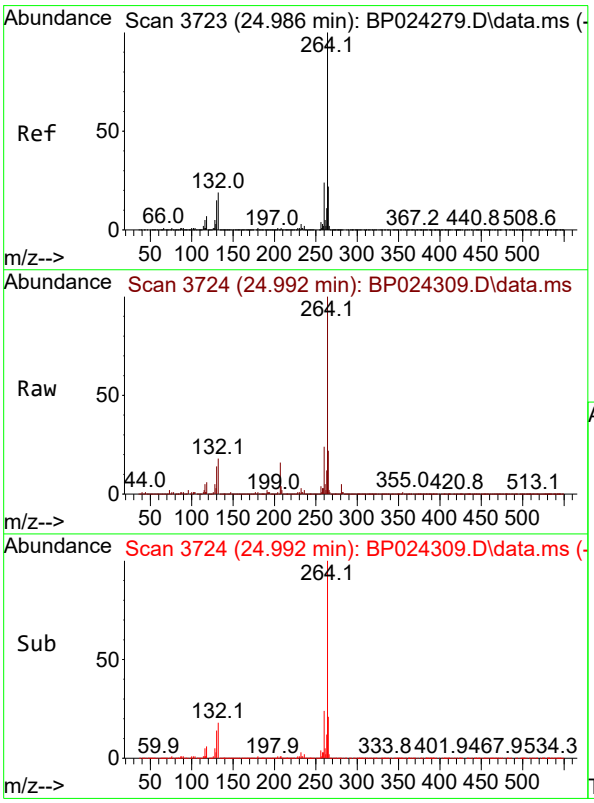
#79
Terphenyl-d14
Concen: 92.350 ng
RT: 19.898 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP024309.D
Acq: 16 Apr 2025 13:07

Instrument :
BNA_P
ClientSampleId :
PB167564BL

Tgt Ion:244 Resp: 5385127

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	12.1	9.4	14.0

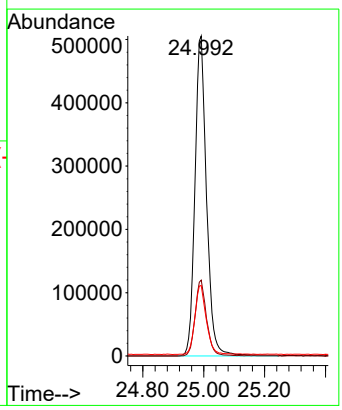




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.992 min Scan# 3724
Delta R.T. 0.006 min
Lab File: BP024309.D
Acq: 16 Apr 2025 13:07

Tgt Ion:264 Resp: 1338097

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	22.0	17.8	26.6



Sample Results: **BP024309.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024309.D
Acq On : 16 Apr 2025 13:07
Operator : RC/JU
Sample : PB167564BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167564BL

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-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024309.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.893	301	307	322	rBV	1391546	1925943	13.10%	2.697%
2	5.346	378	384	399	rBV	5094960	7194349	48.95%	10.076%
3	5.945	480	486	498	rVB	270849	382631	2.60%	0.536%
4	6.910	641	650	673	rBV	4541677	7245027	49.30%	10.147%
5	7.728	781	789	801	rBV	1010101	1530529	10.41%	2.144%
6	8.875	976	984	1001	rBV	2840104	4693233	31.93%	6.573%
7	10.504	1251	1261	1280	rBV	1250394	2128003	14.48%	2.980%
8	12.969	1672	1680	1698	rBV	6879725	10929755	74.37%	15.308%
9	14.363	1909	1917	1928	rBV	1797662	2750664	18.72%	3.853%
10	15.874	2167	2174	2206	rBV	5647508	8225069	55.97%	11.520%
11	17.174	2388	2395	2410	rBV	2254278	3043149	20.71%	4.262%
12	19.898	2853	2858	2874	rBV	11388528	14696517	100.00%	20.584%
13	21.627	3145	3152	3164	rBV2	1950638	3229365	21.97%	4.523%
14	24.992	3716	3724	3739	rVB	1331160	3424907	23.30%	4.797%

Sum of corrected areas: 71399141

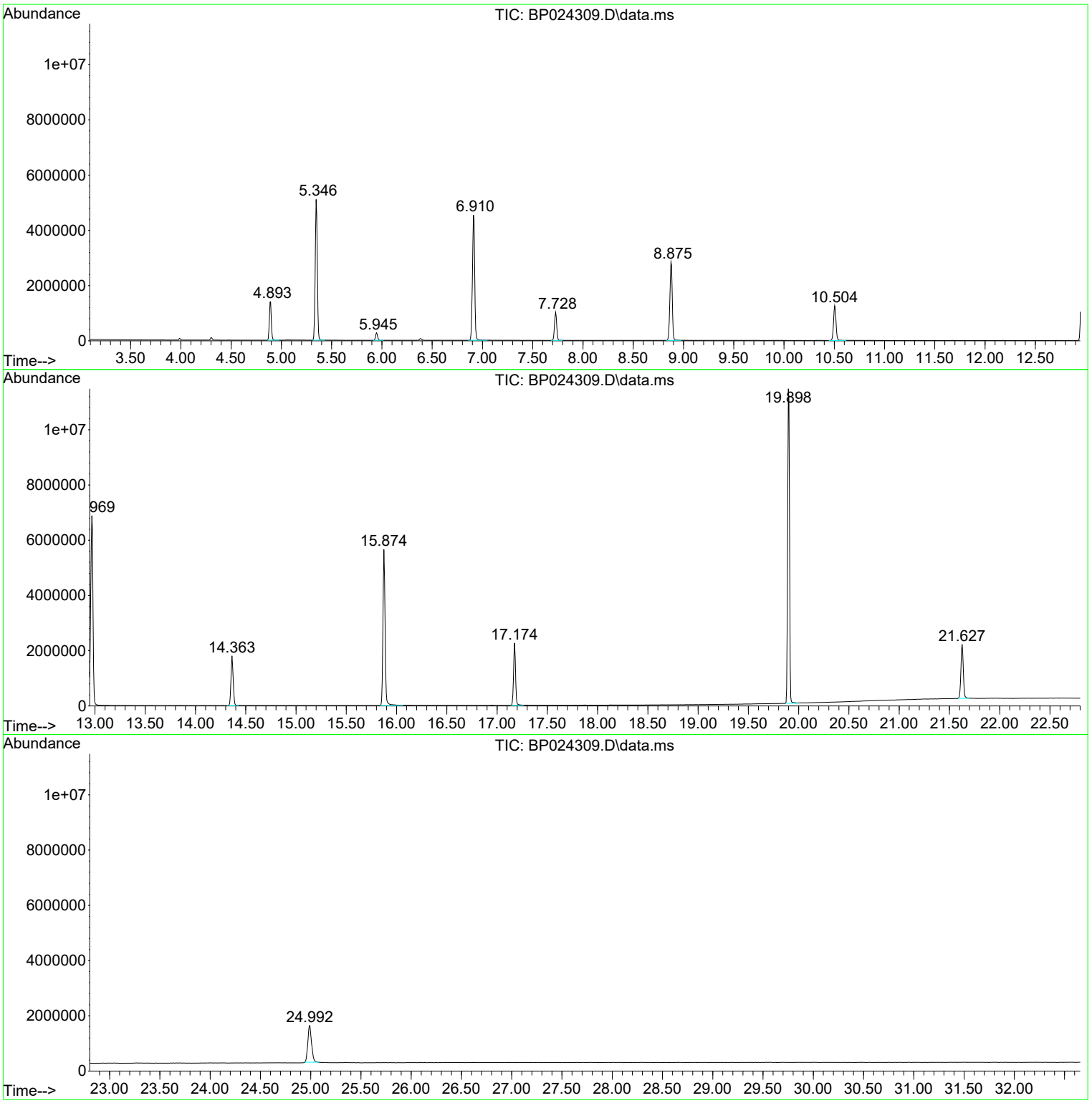
Sample Results: **BP024309.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024309.D
Acq On : 16 Apr 2025 13:07
Operator : RC/JU
Sample : PB167564BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167564BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Sample Results: **BP024309.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024309.D
Acq On : 16 Apr 2025 13:07
Operator : RC/JU
Sample : PB167564BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167564BL

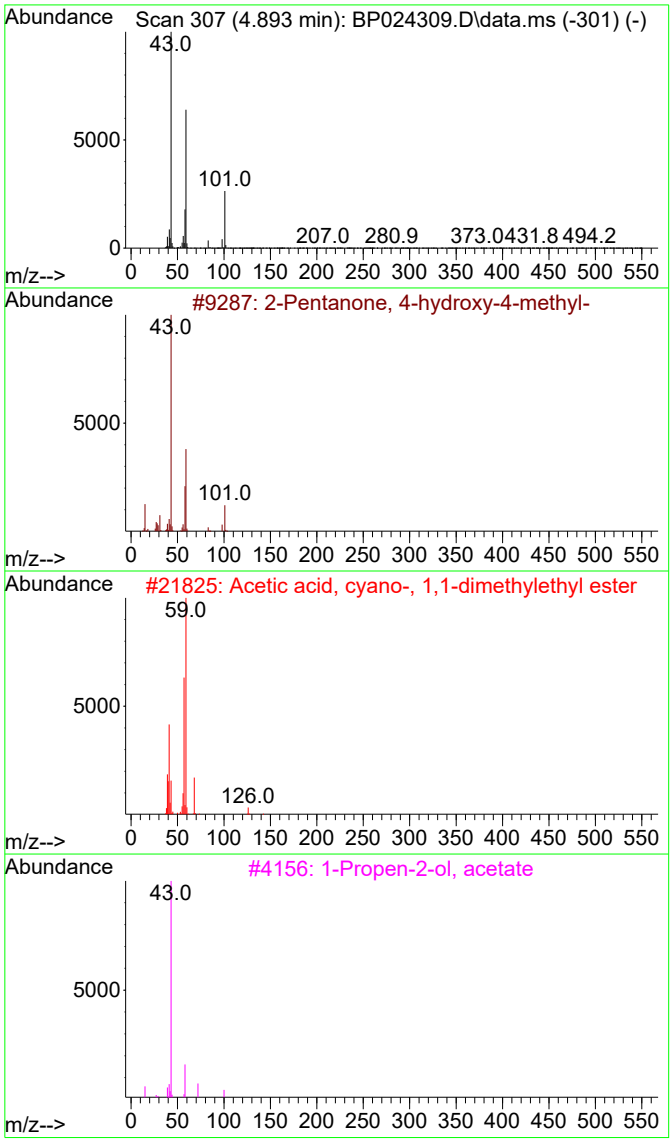
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

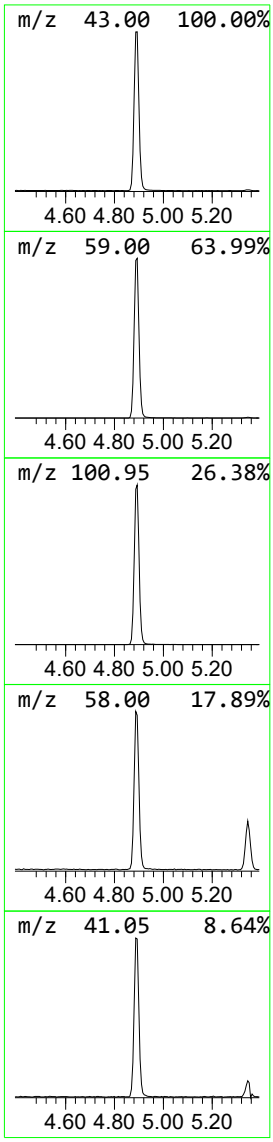
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.893	25.17 ng	1925940	1,4-Dichlorobenzene-d4	7.728

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Guanidine	59	CH5N3	000113-00-8	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024309.D
Acq On : 16 Apr 2025 13:07
Operator : RC/JU
Sample : PB167564BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167564BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

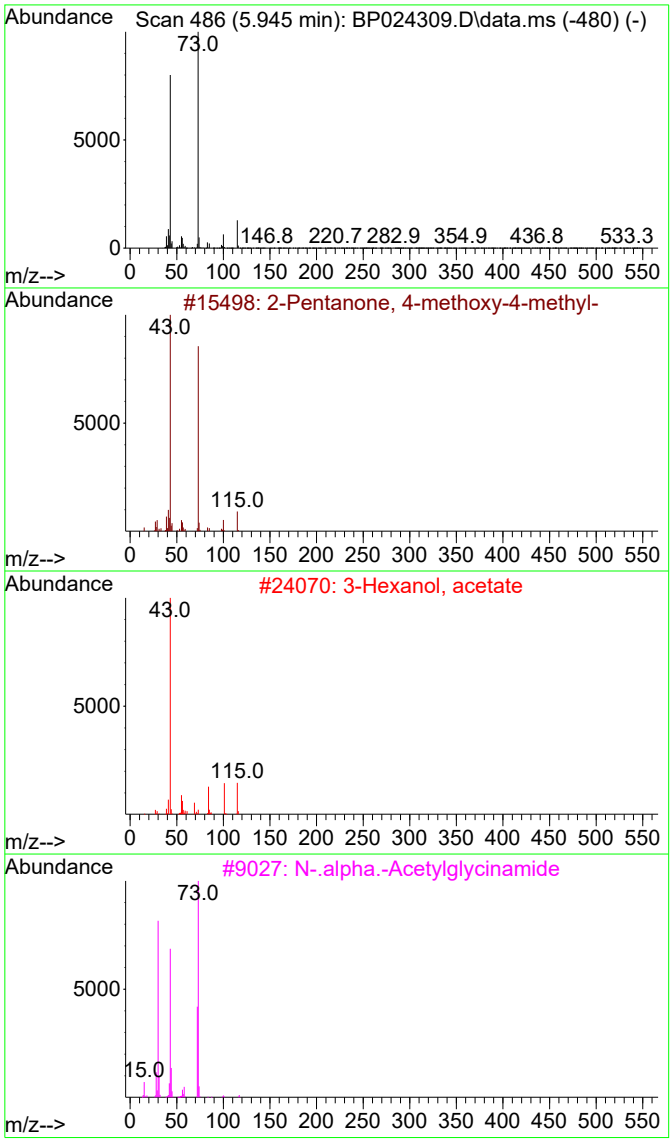
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

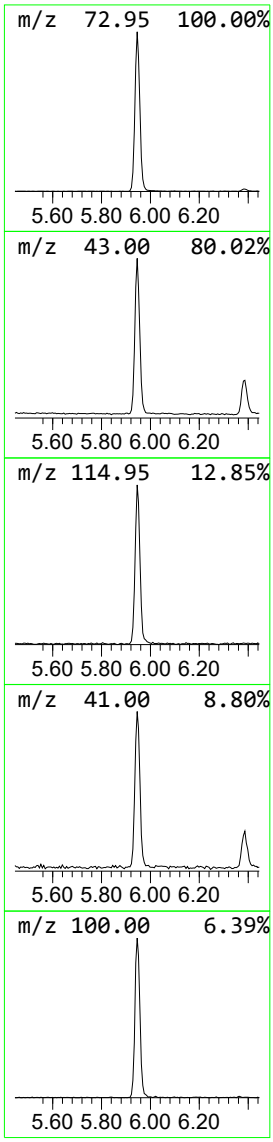
****

Peak Number 2 2-Pentanone, 4-methoxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.945	5.00 ng	382631	1,4-Dichlorobenzene-d4	7.728

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-methoxy-4-methyl-	130	C7H14O2	000107-70-0	83
2	3-Hexanol, acetate	144	C8H16O2	040780-64-1	37
3	N-.alpha.-Acetylglycinamide	116	C4H8N2O2	002620-63-5	28
4	Butane, 2-methoxy-2,3,3-trimethyl-	130	C8H18O	027705-21-1	23
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Sample Results: **BP024309.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024309.D
Acq On : 16 Apr 2025 13:07
Operator : RC/JU
Sample : PB167564BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167564BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.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-...	4.893	25.2	ng	1925940	1	7.728	1530530	20.0
2-Pentanone, 4-...	5.945	5.0	ng	382631	1	7.728	1530530	20.0

Raw Data: **BP024322.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:	ANN	Date Received:	
Client Sample ID:	PB167564BS	SDG No.:	Q1762
Lab Sample ID:	PB167564BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024322.D	1	04/11/25 08:32	04/17/25 11:51	PB167564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	21.5		3.90	10.0	ug/L
108-95-2	Phenol	48.9		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	43.0		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	47.9		0.58	5.00	ug/L
95-48-7	2-Methylphenol	51.7		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	45.6		1.30	5.00	ug/L
98-86-2	Acetophenone	42.1		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	50.8		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	44.0		1.40	2.50	ug/L
67-72-1	Hexachloroethane	44.2		0.65	5.00	ug/L
98-95-3	Nitrobenzene	43.9		0.76	5.00	ug/L
78-59-1	Isophorone	46.7		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	47.2		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	68.3		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	43.9		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	48.6		0.52	5.00	ug/L
91-20-3	Naphthalene	41.1		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	17.5		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	43.8		0.54	5.00	ug/L
105-60-2	Caprolactam	45.9		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	48.4		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	38.8		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	170	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	48.0		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	47.8		0.62	5.00	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	48.0		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	43.5		0.61	5.00	ug/L

Raw Data: **BP024322.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:	ANN			Date Received:	
Client Sample ID:	PB167564BS			SDG No.:	Q1762
Lab Sample ID:	PB167564BS			Matrix:	Water
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024322.D	1	04/11/25 08:32	04/17/25 11:51	PB167564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	47.0		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	45.6		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	27.2		1.10	5.00	ug/L
83-32-9	Acenaphthene	42.0		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	99.2	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	90.6	E	2.40	10.0	ug/L
132-64-9	Dibenzofuran	40.9		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	46.3		1.20	5.00	ug/L
84-66-2	Diethylphthalate	42.4		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	42.9		0.68	5.00	ug/L
86-73-7	Fluorene	43.0		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	41.4		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	47.7		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	46.2		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	46.7		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	46.8		0.52	5.00	ug/L
1912-24-9	Atrazine	60.1		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	92.5	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	43.4		0.50	5.00	ug/L
120-12-7	Anthracene	45.6		0.61	5.00	ug/L
86-74-8	Carbazole	42.3		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	41.3		1.20	5.00	ug/L
206-44-0	Fluoranthene	38.7		0.82	5.00	ug/L
129-00-0	Pyrene	56.3		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	49.3		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	28.2		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	46.4		0.45	5.00	ug/L
218-01-9	Chrysene	44.8		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	42.2		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	39.3		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	44.9		0.49	5.00	ug/L

Raw Data: **BP024322.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:	ANN			Date Received:	
Client Sample ID:	PB167564BS			SDG No.:	Q1762
Lab Sample ID:	PB167564BS			Matrix:	Water
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024322.D	1	04/11/25 08:32	04/17/25 11:51	PB167564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	45.9		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	49.6		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	50.4		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	50.4		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	49.2		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	42.9		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	33.7		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	44.8		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	137		15 (10) - 110 (139)	91%	SPK: 150
13127-88-3	Phenol-d6	131		15 (10) - 110 (134)	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.4		30 (49) - 130 (133)	84%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.3		30 (52) - 130 (132)	82%	SPK: 100
118-79-6	2,4,6-Tribromophenol	132		15 (44) - 110 (137)	88%	SPK: 150
1718-51-0	Terphenyl-d14	109		30 (48) - 130 (125)	109%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	334000	7.728			
1146-65-2	Naphthalene-d8	1450000	10.499			
15067-26-2	Acenaphthene-d10	946000	14.357			
1517-22-2	Phenanthrene-d10	1770000	17.157			
1719-03-5	Chrysene-d12	1230000	21.598			
1520-96-3	Perylene-d12	1210000	24.939			

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\BP041725\
Data File : BP024322.D
Acq On : 17 Apr 2025 11:51
Operator : RC/JU
Sample : PB167564BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 17 12:18:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	334068	20.000	ng	0.00
21) Naphthalene-d8	10.499	136	1451795	20.000	ng	0.00
39) Acenaphthene-d10	14.357	164	946390	20.000	ng	-0.01
64) Phenanthrene-d10	17.157	188	1773496	20.000	ng	-0.02
76) Chrysene-d12	21.598	240	1227922	20.000	ng	-0.02
86) Perylene-d12	24.939	264	1207867	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	2759115	136.561	ng	0.00
7) Phenol-d6	6.917	99	3618299	130.789	ng	0.00
23) Nitrobenzene-d5	8.875	82	2148075	84.368	ng	0.00
42) 2,4,6-Tribromophenol	15.875	330	1728940	132.043	ng	-0.02
45) 2-Fluorobiphenyl	12.969	172	5085782	82.280	ng	-0.01
79) Terphenyl-d14	19.881	244	6643551	109.054	ng	-0.04
Target Compounds						Qvalue
2) 1,4-Dioxane	3.293	88	287909	33.689	ng	97
3) Pyridine	3.681	79	766297	33.958	ng	98
4) n-Nitrosodimethylamine	3.593	42	324280	43.299	ng	94
6) Aniline	7.064	93	1023567	41.404	ng	99
8) 2-Chlorophenol	7.305	128	1079648	47.861	ng	99
9) Benzaldehyde	6.875	77	294812	21.543	ng	99
10) Phenol	6.940	94	1357407	48.911	ng	96
11) bis(2-Chloroethyl)ether	7.158	93	961345	42.993	ng	99
12) 1,3-Dichlorobenzene	7.616	146	1030757	42.444	ng	98
13) 1,4-Dichlorobenzene	7.764	146	1060590	43.043	ng	99
14) 1,2-Dichlorobenzene	8.075	146	1021098	42.916	ng	99
15) Benzyl Alcohol	7.969	79	871520	48.712	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.240	45	1102139	45.601	ng	99
17) 2-Methylphenol	8.175	107	928298	51.707	ng	99
18) Hexachloroethane	8.799	117	393473	44.187	ng	98
19) n-Nitroso-di-n-propyla...	8.528	70	752644	43.975	ng	99
20) 3+4-Methylphenols	8.499	107	1264970	50.780	ng	99
22) Acetophenone	8.546	105	1513862	42.130	ng	100
24) Nitrobenzene	8.916	77	1104577	43.855	ng	98
25) Isophorone	9.440	82	2149873	46.650	ng	99
26) 2-Nitrophenol	9.622	139	581538	47.180	ng	97
27) 2,4-Dimethylphenol	9.687	122	1056586	68.269	ng	99
28) bis(2-Chloroethoxy)met...	9.916	93	1365811	43.871	ng	100
29) 2,4-Dichlorophenol	10.158	162	1025078	48.576	ng	98
30) 1,2,4-Trichlorobenzene	10.369	180	977668	43.241	ng	98
31) Naphthalene	10.552	128	3144759	41.121	ng	100
32) Benzoic acid	9.863	122	845605m	46.890	ng	
33) 4-Chloroaniline	10.663	127	472553	17.547	ng	99
34) Hexachlorobutadiene	10.834	225	581954	43.802	ng	99
35) Caprolactam	11.463	113	357452	45.907	ng	99
36) 4-Chloro-3-methylphenol	11.799	107	1188991	48.373	ng	100
37) 2-Methylnaphthalene	12.163	142	2057907	38.801	ng	98
38) 1-Methylnaphthalene	12.387	142	2189742	42.204	ng	100
40) 1,2,4,5-Tetrachloroben...	12.540	216	1115334	42.855	ng	99
41) Hexachlorocyclopentadiene	12.516	237	1557478	169.206	ng	99
43) 2,4,6-Trichlorophenol	12.781	196	830279	47.984	ng	98

Sample Results: **BP024322.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024322.D
Acq On : 17 Apr 2025 11:51
Operator : RC/JU
Sample : PB167564BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 17 12:18:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.857	196	916797	47.846	ng	99
46) 1,1'-Biphenyl	13.181	154	2986755	42.935	ng	99
47) 2-Chloronaphthalene	13.222	162	2256603	43.403	ng	99
48) 2-Nitroaniline	13.428	65	700526	48.034	ng	95
49) Acenaphthylene	14.075	152	3846464	46.990	ng	100
50) Dimethylphthalate	13.816	163	2995229	43.521	ng	99
51) 2,6-Dinitrotoluene	13.934	165	665787	45.557	ng	100
52) Acenaphthene	14.428	154	2181964	42.046	ng	99
53) 3-Nitroaniline	14.263	138	417219	27.163	ng	98
54) 2,4-Dinitrophenol	14.475	184	853627	99.160	ng	95
55) Dibenzofuran	14.763	168	3471170	40.921	ng	99
56) 4-Nitrophenol	14.598	139	1202044	90.613	ng	98
57) 2,4-Dinitrotoluene	14.728	165	922417	46.269	ng	100
58) Fluorene	15.422	166	2823276	42.994	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.998	232	791251	44.773	ng	99
60) Diethylphthalate	15.204	149	3004493	42.362	ng	100
61) 4-Chlorophenyl-phenyle...	15.416	204	1368495	42.916	ng	99
62) 4-Nitroaniline	15.451	138	673721	41.433	ng	96
63) Azobenzene	15.716	77	2764248	42.405	ng	98
65) 4,6-Dinitro-2-methylph...	15.504	198	533164	47.684	ng	97
66) n-Nitrosodiphenylamine	15.640	169	2446935	46.225	ng	99
67) 4-Bromophenyl-phenylether	16.328	248	905183	46.668	ng	99
68) Hexachlorobenzene	16.451	284	1078014	46.772	ng	98
69) Atrazine	16.616	200	810319	60.104	ng	99
70) Pentachlorophenol	16.804	266	1487194	92.492	ng	99
71) Phenanthrene	17.204	178	4199363	43.405	ng	99
72) Anthracene	17.292	178	4256425	45.647	ng	99
73) Carbazole	17.581	167	3849468	42.251	ng	99
74) Di-n-butylphthalate	18.163	149	4687484	41.296	ng	100
75) Fluoranthene	19.286	202	4450170	38.675	ng	98
77) Benzidine	19.475	184	1112220	71.457	ng	100
78) Pyrene	19.663	202	4392711	56.291	ng	99
80) Butylbenzylphthalate	20.610	149	1647590	49.293	ng	96
81) Benzo(a)anthracene	21.575	228	3542965	46.421	ng	100
82) 3,3'-Dichlorobenzidine	21.498	252	754814	28.177	ng	99
83) Chrysene	21.645	228	3275917	44.801	ng	99
84) Bis(2-ethylhexyl)phtha...	21.516	149	2065674	42.157	ng	99
85) Di-n-octyl phthalate	22.792	149	3130152	39.295	ng	100
87) Indeno(1,2,3-cd)pyrene	28.733	276	4225283	50.388	ng	96
88) Benzo(b)fluoranthene	23.886	252	3252383	44.922	ng	99
89) Benzo(k)fluoranthene	23.951	252	3212113	45.930	ng	100
90) Benzo(a)pyrene	24.780	252	3099830	49.635	ng	99
91) Dibenzo(a,h)anthracene	28.827	278	3511403	50.449	ng	98
92) Benzo(g,h,i)perylene	29.933	276	3482393	49.155	ng	99

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

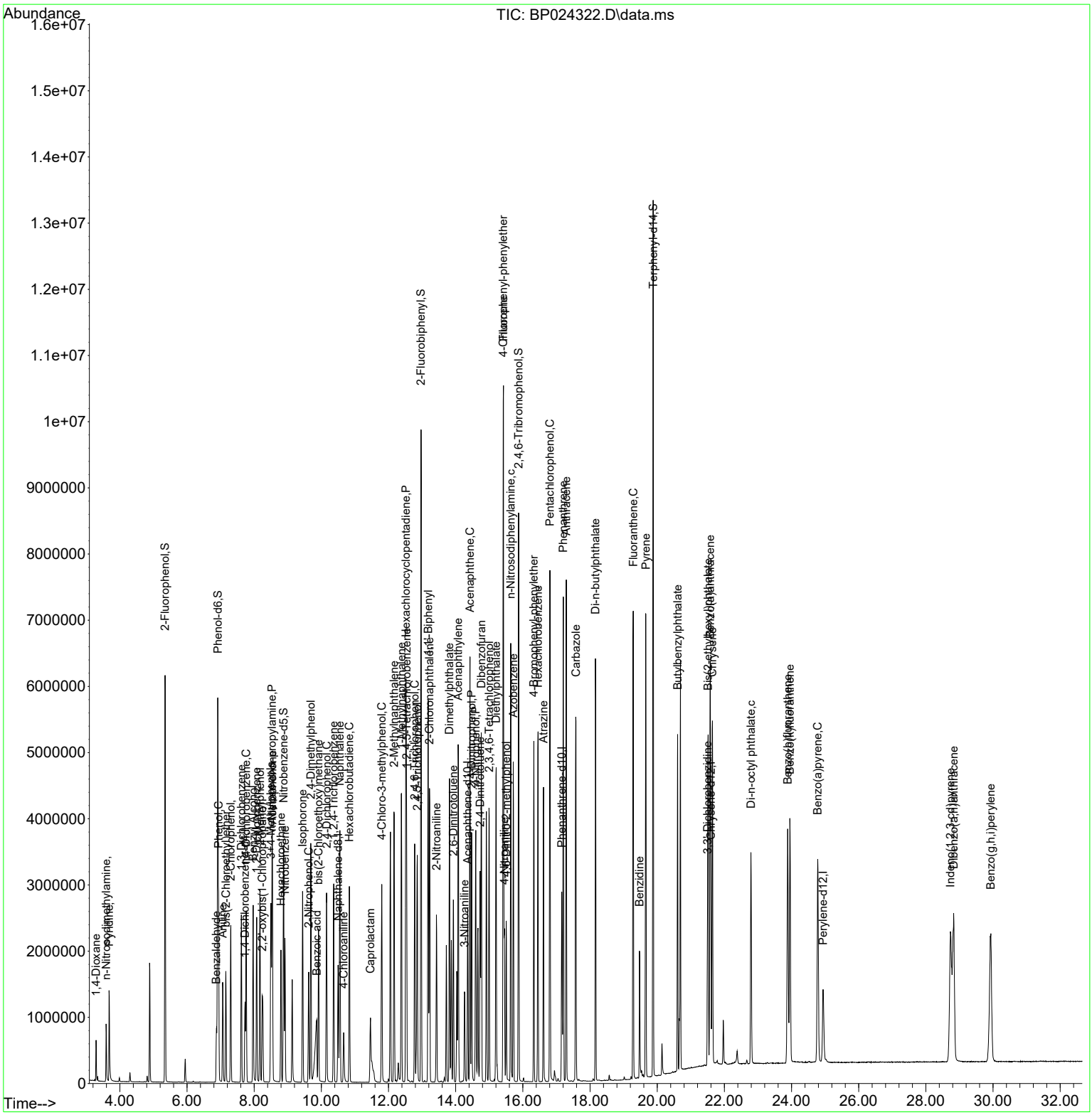
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Data File : BP024322.D
Acq On : 17 Apr 2025 11:51
Operator : RC/JU
Sample : PB167564BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

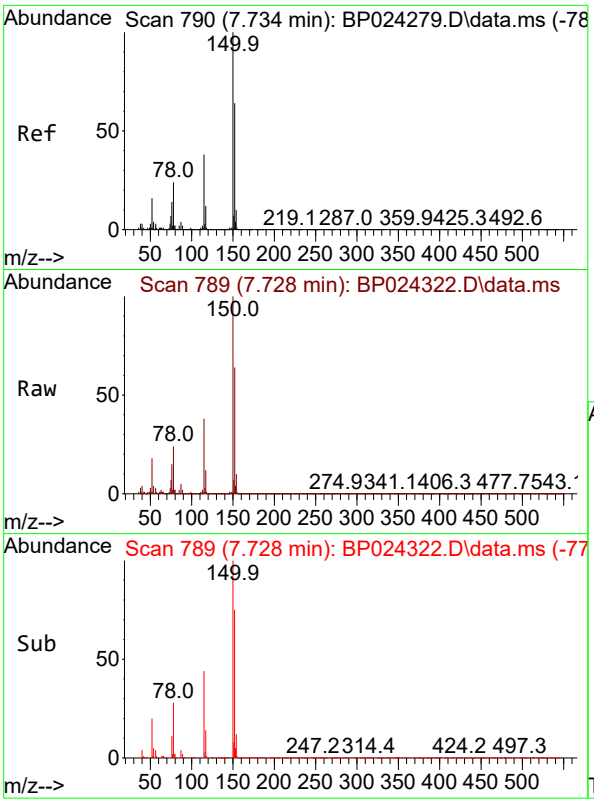
Quant Time: Apr 17 12:18:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

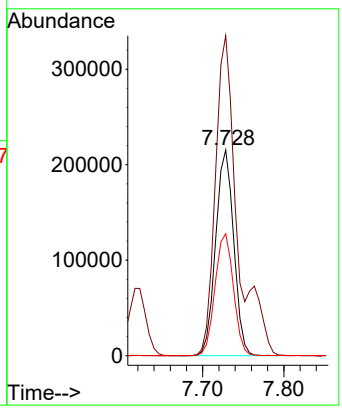




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:152 Resp: 33406

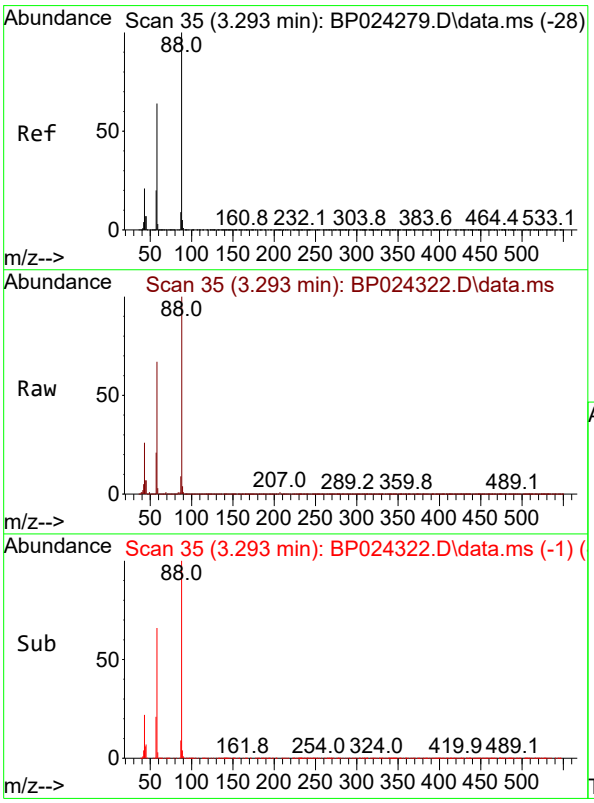
Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.9	187.3
115	59.3	47.7	71.5



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
APPROVED

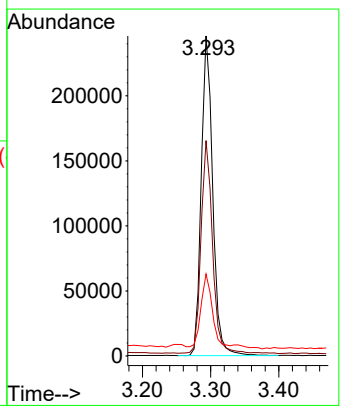
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

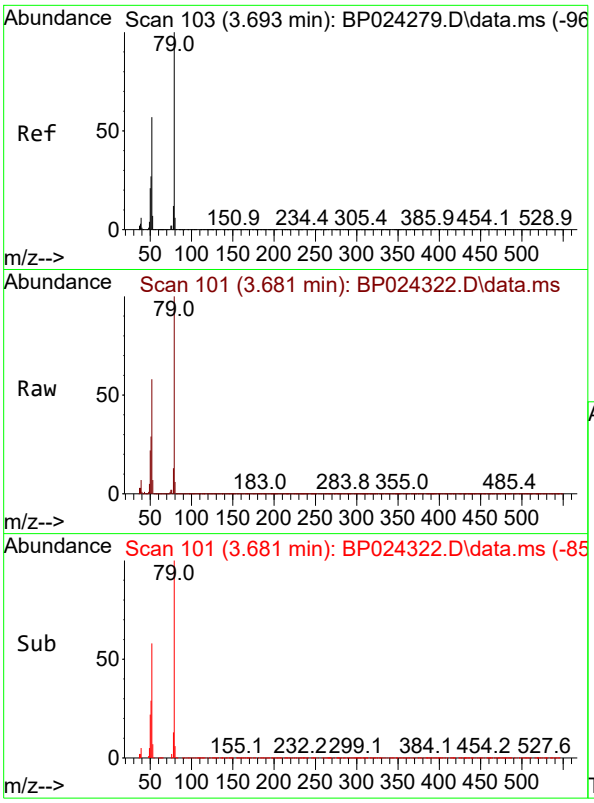


#2
1,4-Dioxane
Concen: 33.689 ng
RT: 3.293 min Scan# 35
Delta R.T. 0.000 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion: 88 Resp: 287909

Ion	Ratio	Lower	Upper
88	100		
58	66.8	51.4	77.2
43	21.7	17.1	25.7

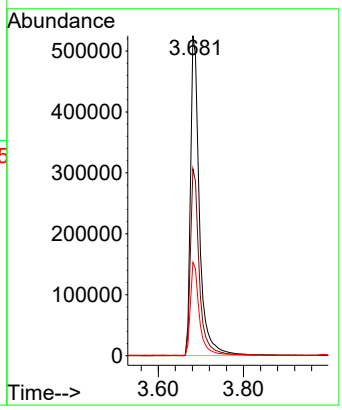




#3
Pyridine
Concen: 33.958 ng
RT: 3.681 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion: 79 Resp: 7662

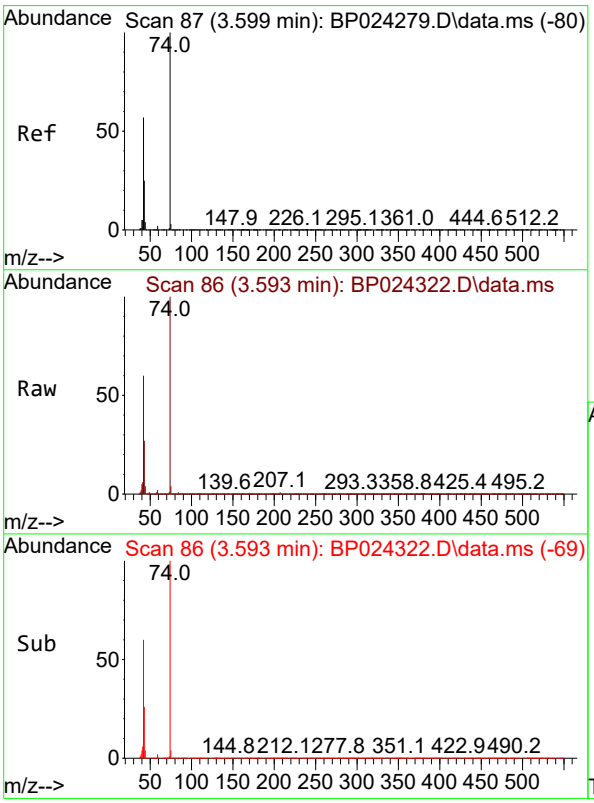
Ion	Ratio	Lower	Upper
79	100		
52	58.4	45.4	68.2
51	29.1	22.6	33.8



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
APPROVED

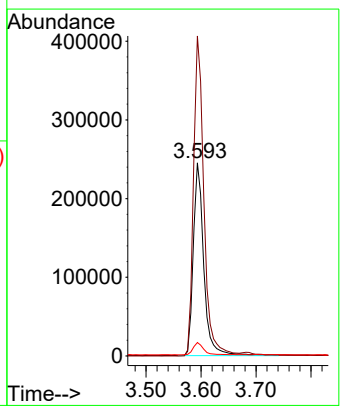
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

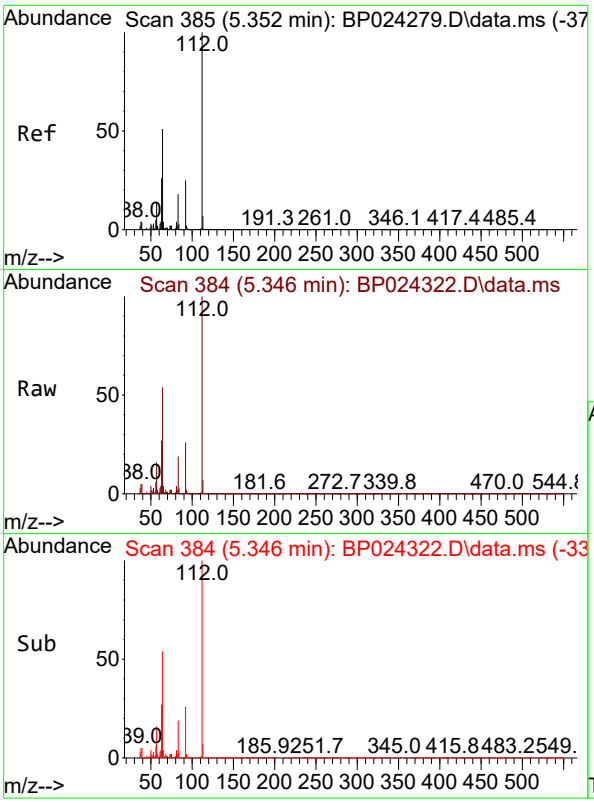


#4
n-Nitrosodimethylamine
Concen: 43.299 ng
RT: 3.593 min Scan# 86
Delta R.T. 0.000 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion: 42 Resp: 324280

Ion	Ratio	Lower	Upper
42	100		
74	165.7	139.5	209.3
44	7.0	5.8	8.8

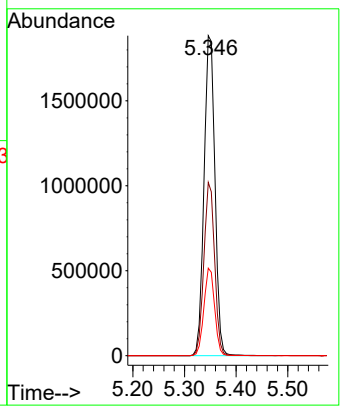




#5
2-Fluorophenol
Concen: 136.561 ng
RT: 5.346 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:112 Resp: 275911

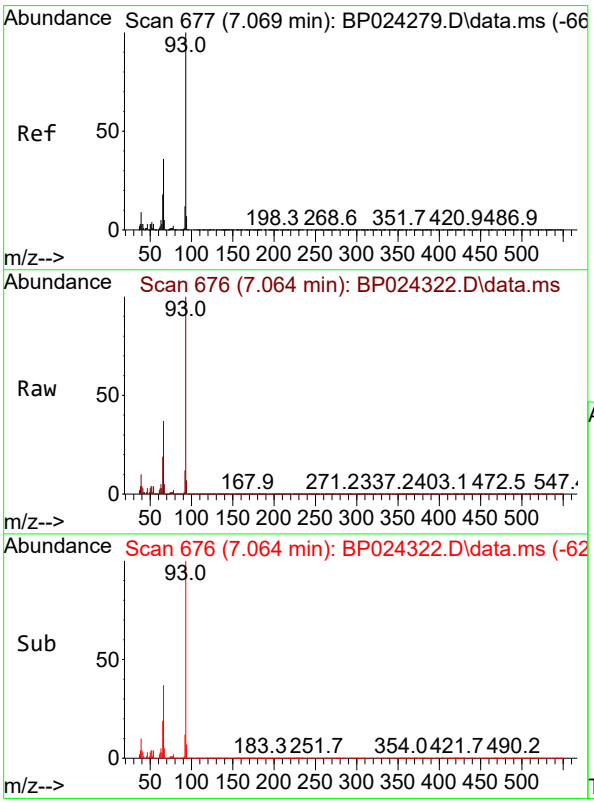
Ion	Ratio	Lower	Upper
112	100		
64	54.2	41.1	61.7
63	27.4	20.6	30.8



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
APPROVED

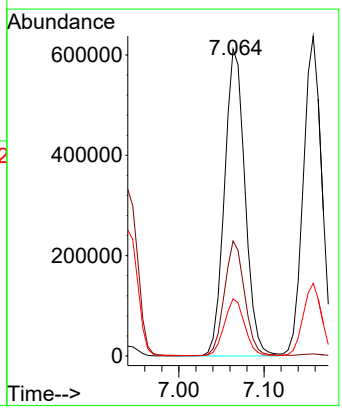
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

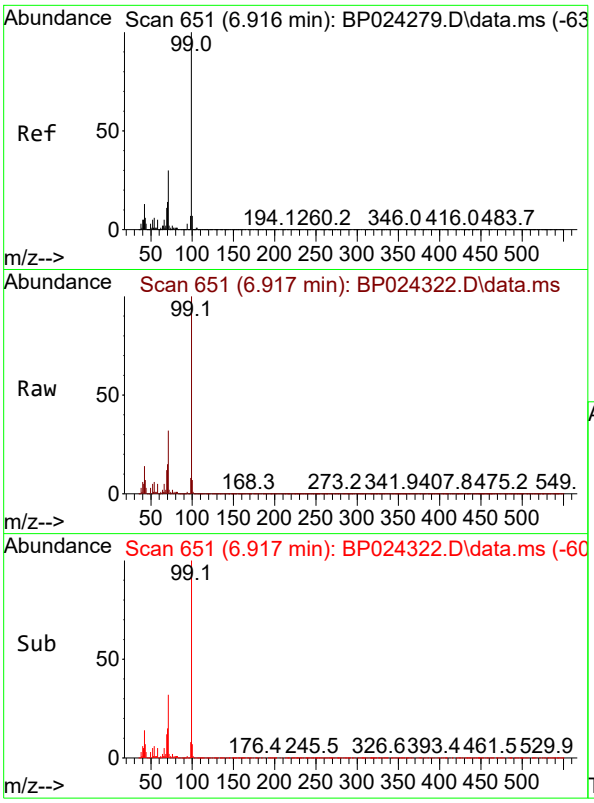


#6
Aniline
Concen: 41.404 ng
RT: 7.064 min Scan# 676
Delta R.T. -0.006 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion: 93 Resp: 1023567

Ion	Ratio	Lower	Upper
93	100		
66	37.5	29.1	43.7
65	18.6	14.7	22.1

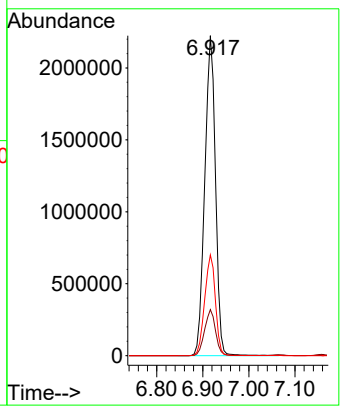




#7
Phenol-d6
Concen: 130.789 ng
RT: 6.917 min Scan# 6
Delta R.T. 0.001 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion: 99 Resp: 361829

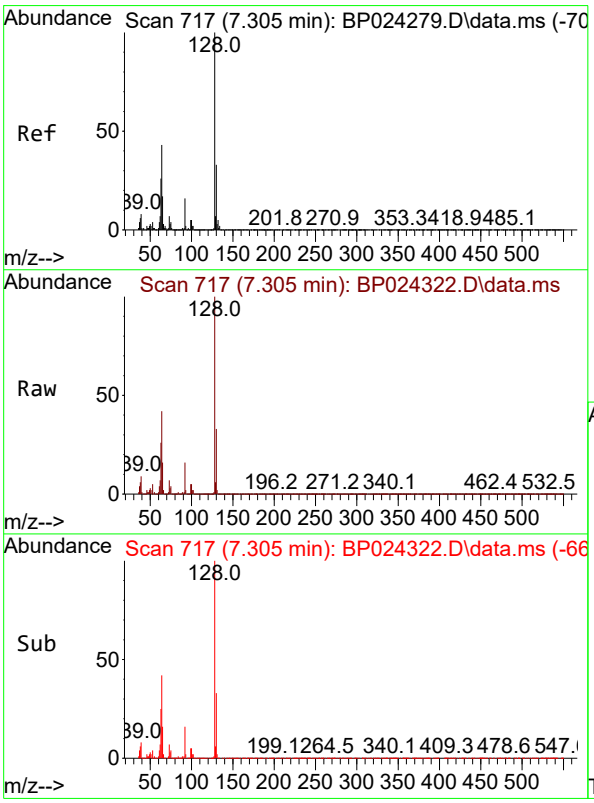
Ion	Ratio	Lower	Upper
99	100		
42	14.4	10.6	16.0
71	31.5	23.7	35.5



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
APPROVED

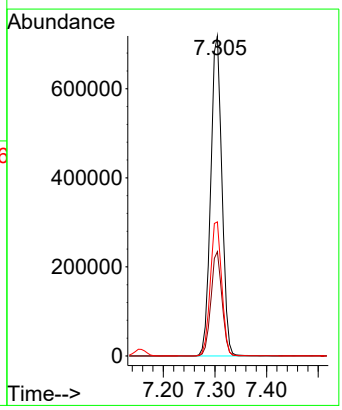
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

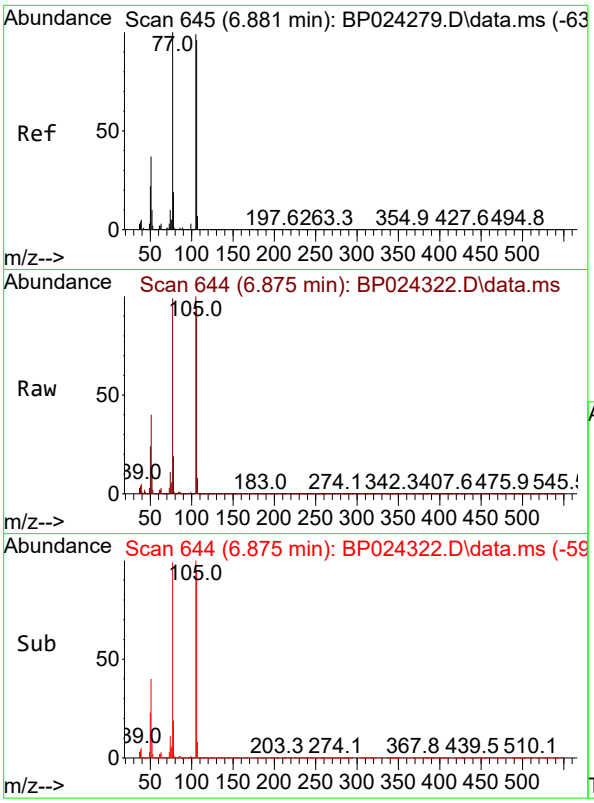


#8
2-Chlorophenol
Concen: 47.861 ng
RT: 7.305 min Scan# 717
Delta R.T. 0.000 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:128 Resp: 1079648

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.9	52.9
64	41.9	22.7	62.7

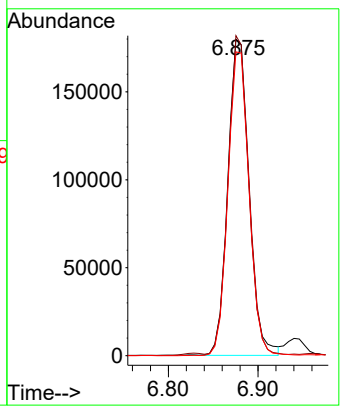




#9
Benzaldehyde
Concen: 21.543 ng
RT: 6.875 min Scan# 64
Delta R.T. -0.006 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion: 77 Resp: 29481

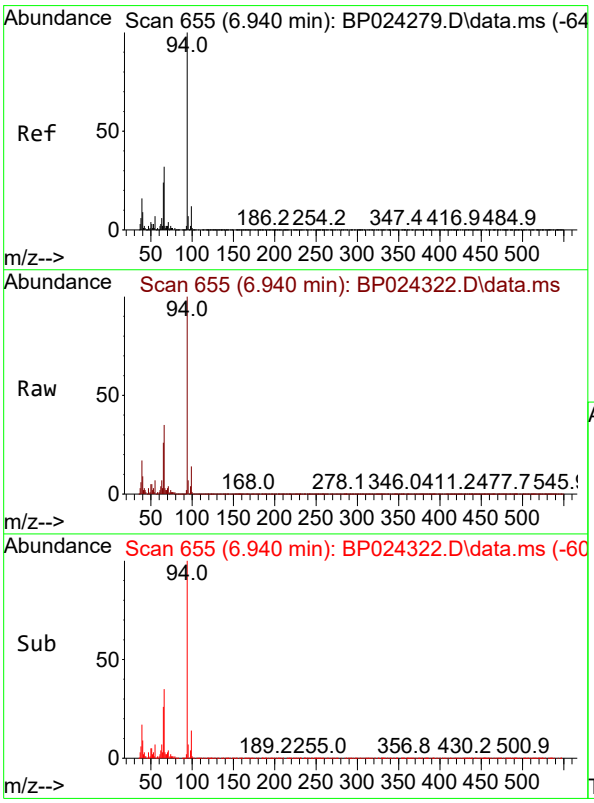
Ion	Ratio	Lower	Upper
77	100		
105	101.2	79.2	119.2
106	96.1	76.2	116.2



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
APPROVED

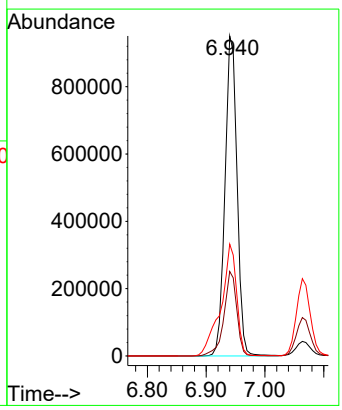
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

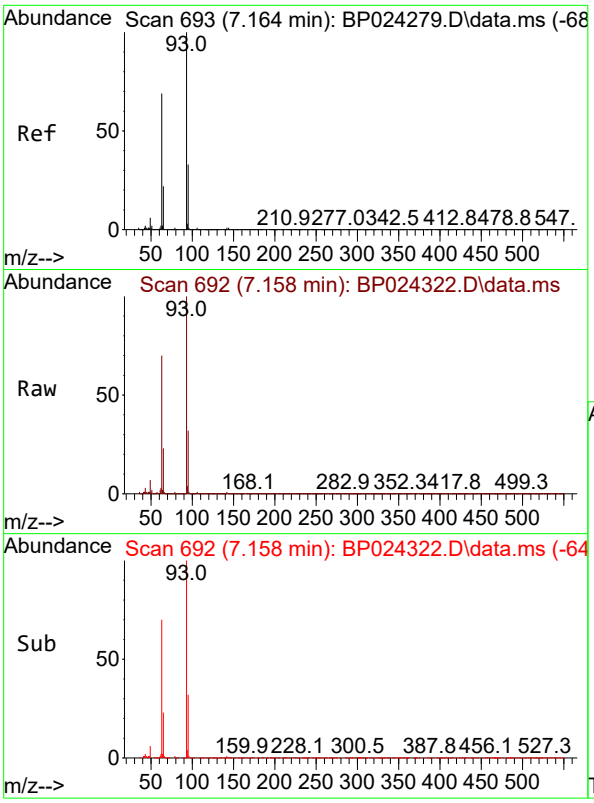


#10
Phenol
Concen: 48.911 ng
RT: 6.940 min Scan# 655
Delta R.T. -0.006 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion: 94 Resp: 1357407

Ion	Ratio	Lower	Upper
94	100		
65	26.4	4.5	44.5
66	35.0	12.4	52.4

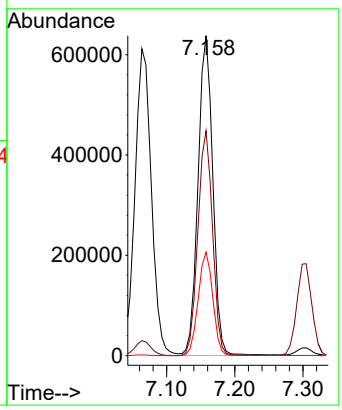




#11
bis(2-Chloroethyl)ether
Concen: 42.993 ng
RT: 7.158 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion: 93 Resp: 96134

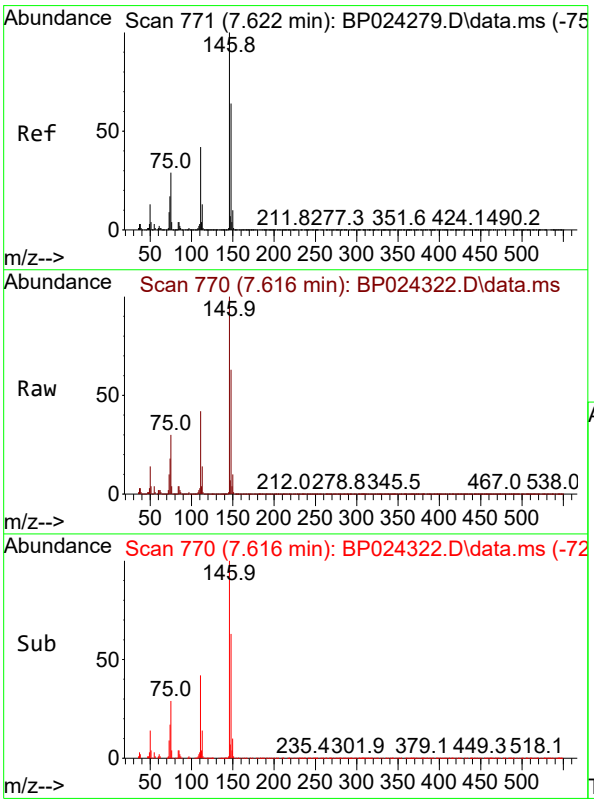
Ion	Ratio	Lower	Upper
93	100		
63	70.3	48.6	88.6
95	32.3	12.3	52.3



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
APPROVED

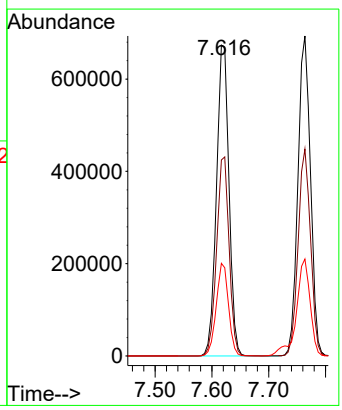
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

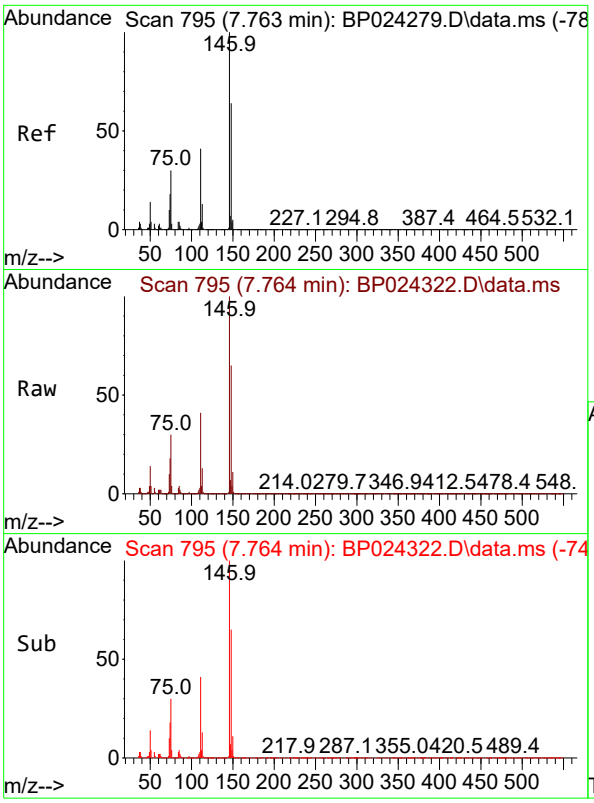


#12
1,3-Dichlorobenzene
Concen: 42.444 ng
RT: 7.616 min Scan# 770
Delta R.T. -0.006 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:146 Resp: 1030757

Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.4	77.0
75	29.8	22.9	34.3





#13
1,4-Dichlorobenzene
Concen: 43.043 ng
RT: 7.764 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

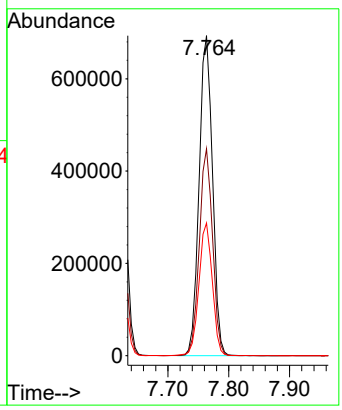
Tgt Ion:146 Resp: 106059

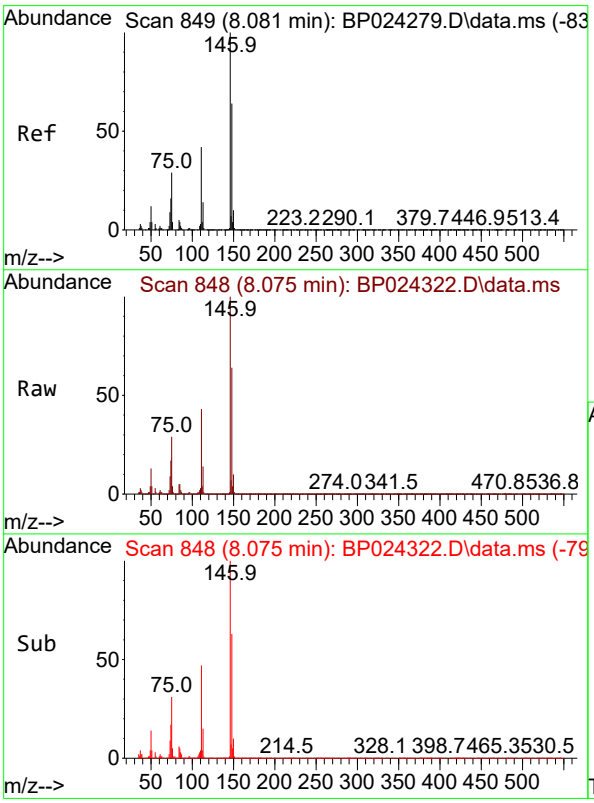
Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.1	76.7
111	41.5	32.6	48.8

Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

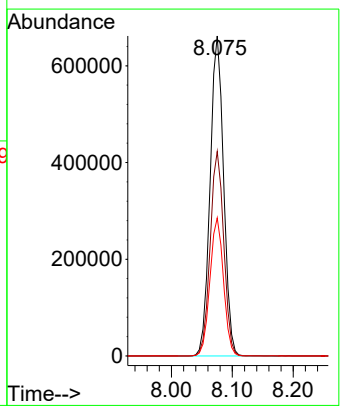


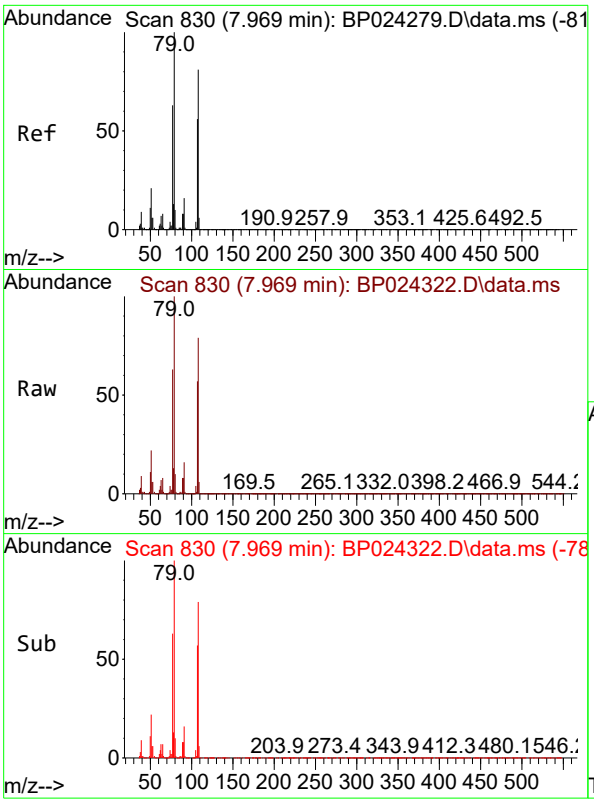


#14
1,2-Dichlorobenzene
Concen: 42.916 ng
RT: 8.075 min Scan# 848
Delta R.T. 0.000 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:146 Resp: 1021098

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.0	76.4
111	43.2	33.8	50.8





#15
Benzyl Alcohol
Concen: 48.712 ng
RT: 7.969 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

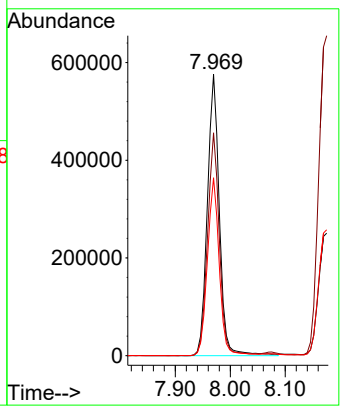
Tgt Ion: 79 Resp: 87152

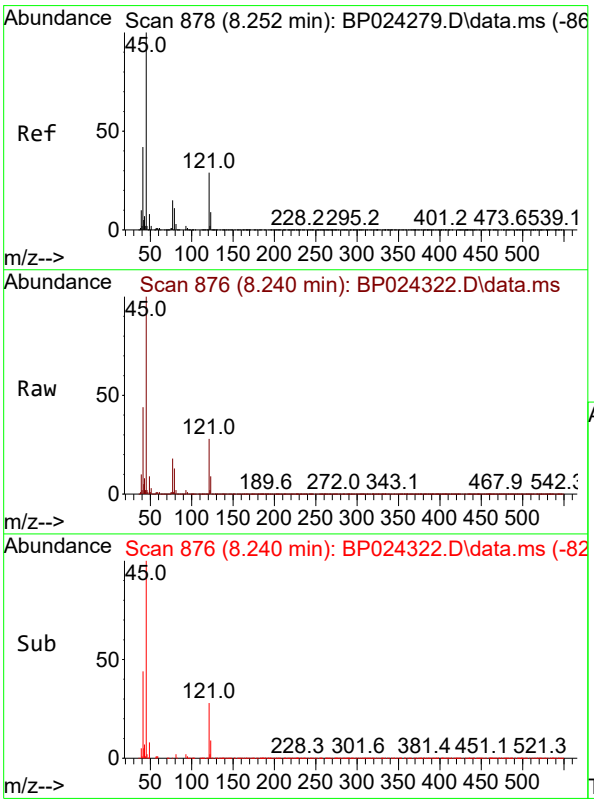
Ion	Ratio	Lower	Upper
79	100		
108	79.2	65.1	97.7
77	63.2	50.7	76.1

Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

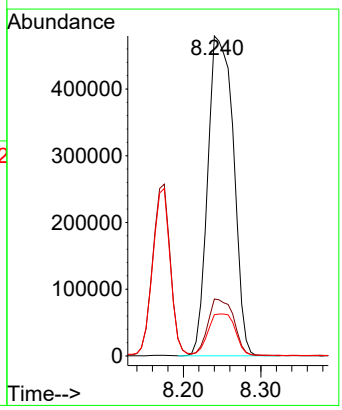


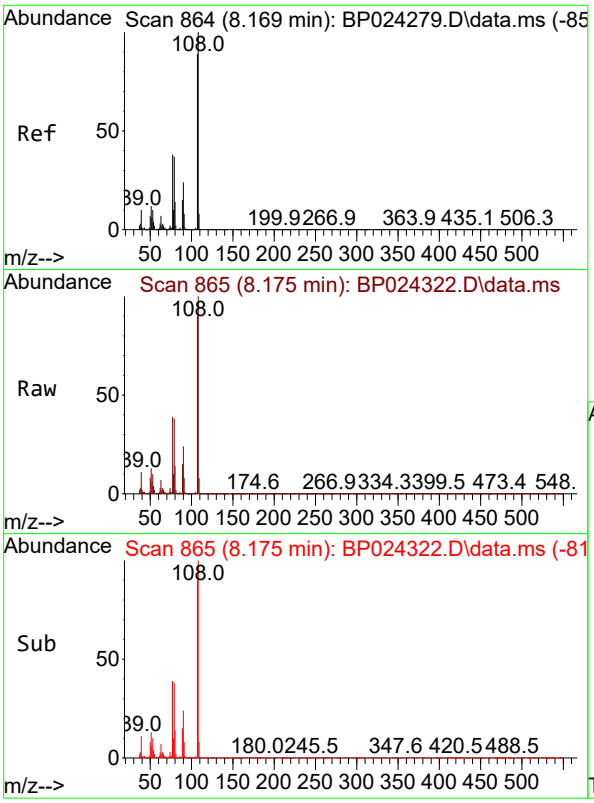


#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.601 ng
RT: 8.240 min Scan# 876
Delta R.T. -0.017 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion: 45 Resp: 1102139

Ion	Ratio	Lower	Upper
45	100		
77	17.8	0.0	37.7
79	12.9	0.0	33.5

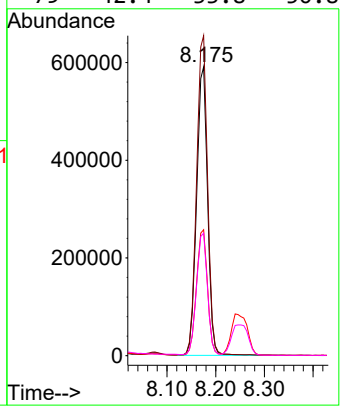




#17
2-Methylphenol
Concen: 51.707 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:107 Resp: 92829

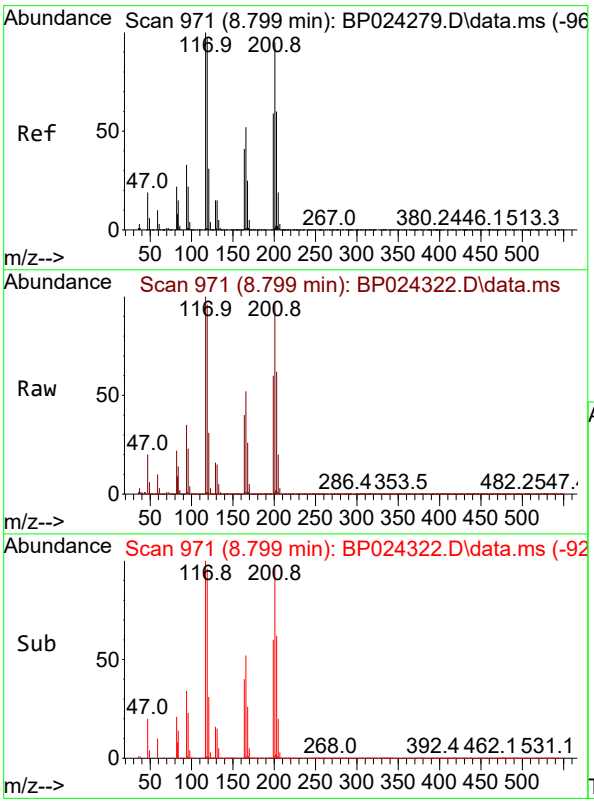
Ion	Ratio	Lower	Upper
107	100		
108	110.8	89.8	134.6
77	43.6	34.2	51.4
79	42.4	33.8	50.8



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
APPROVED

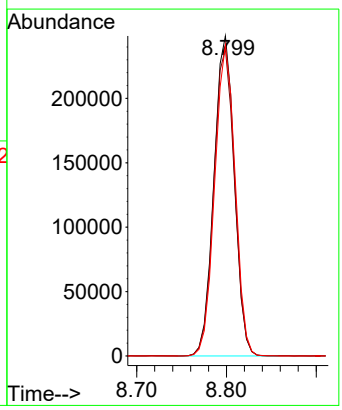
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

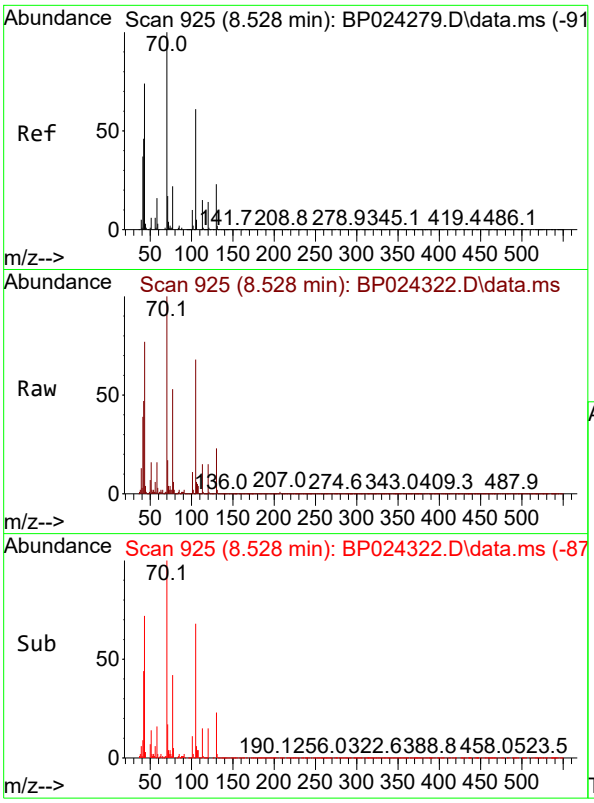


#18
Hexachloroethane
Concen: 44.187 ng
RT: 8.799 min Scan# 971
Delta R.T. 0.000 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:117 Resp: 393473

Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.8	116.6
201	97.2	75.9	113.9

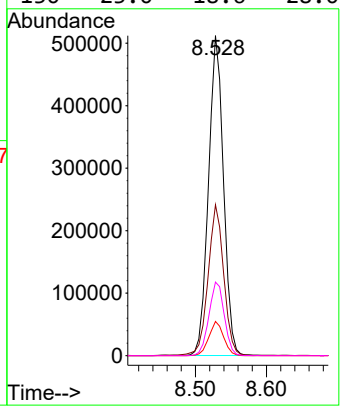




#19
n-Nitroso-di-n-propylamine
Concen: 43.975 ng
RT: 8.528 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion: 70 Resp: 75264

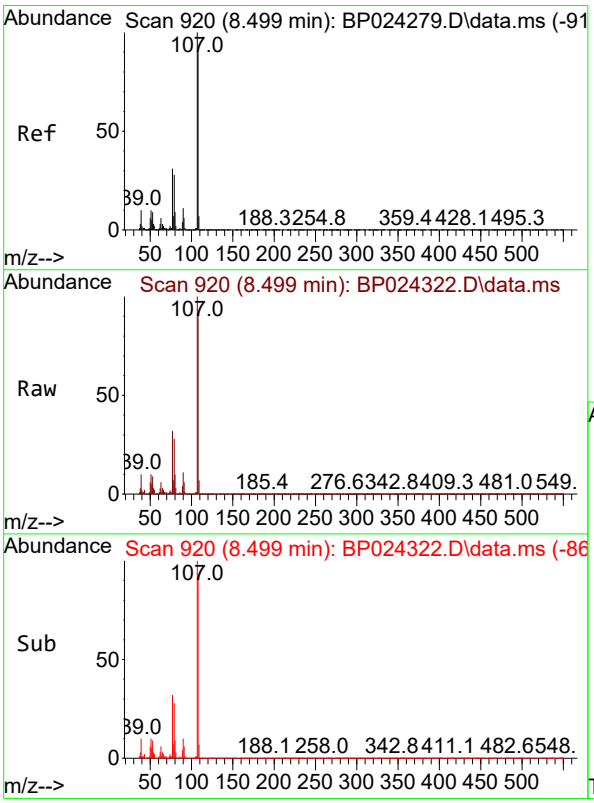
Ion	Ratio	Lower	Upper
70	100		
42	47.1	37.3	55.9
101	10.7	8.2	12.4
130	23.0	18.6	28.0



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
APPROVED

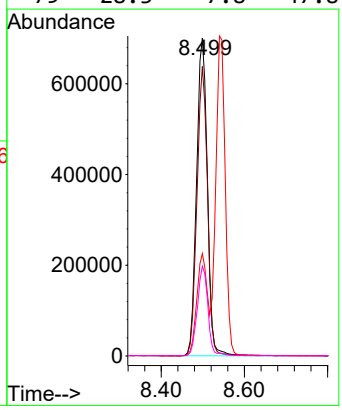
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

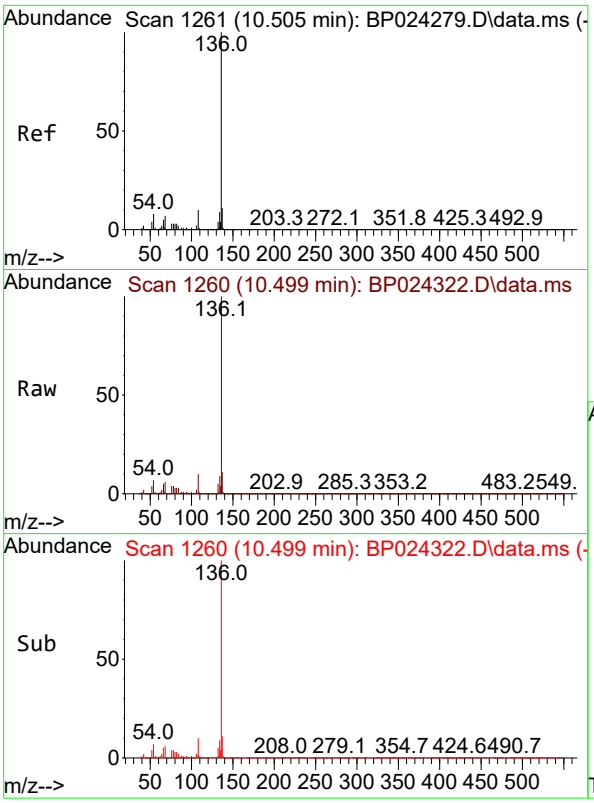


#20
3+4-Methylphenols
Concen: 50.780 ng
RT: 8.499 min Scan# 920
Delta R.T. 0.000 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:107 Resp: 1264970

Ion	Ratio	Lower	Upper
107	100		
108	91.1	69.8	109.8
77	32.2	11.5	51.5
79	28.3	7.8	47.8

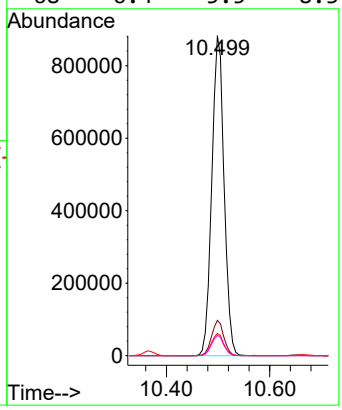




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.499 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:136 Resp: 145179

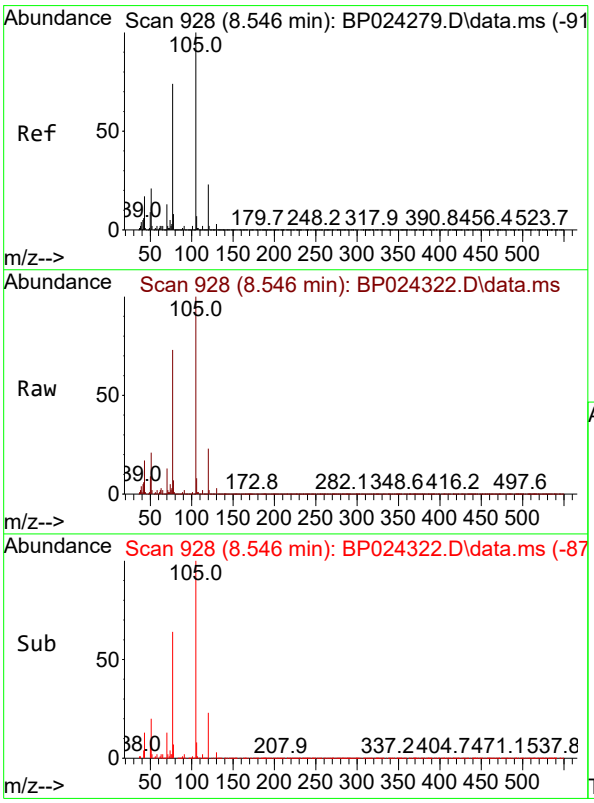
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	6.9	6.0	9.0
68	6.4	5.5	8.3



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
APPROVED

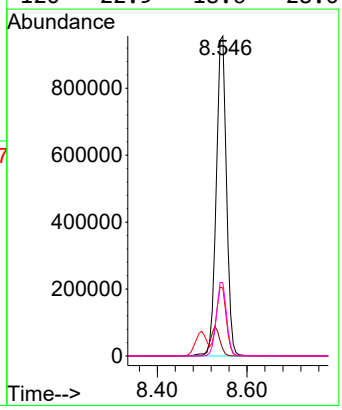
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

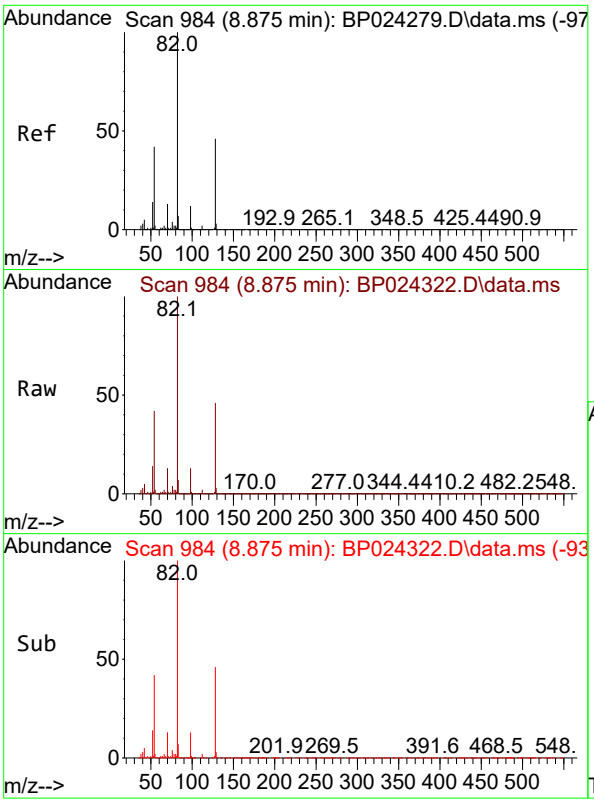


#22
Acetophenone
Concen: 42.130 ng
RT: 8.546 min Scan# 928
Delta R.T. 0.000 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:105 Resp: 1513862

Ion	Ratio	Lower	Upper
105	100		
71	2.1	1.7	2.5
51	21.2	16.9	25.3
120	22.9	18.6	28.0

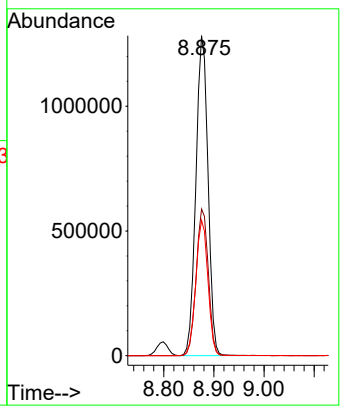




#23
Nitrobenzene-d5
Concen: 84.368 ng
RT: 8.875 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion: 82 Resp: 214807

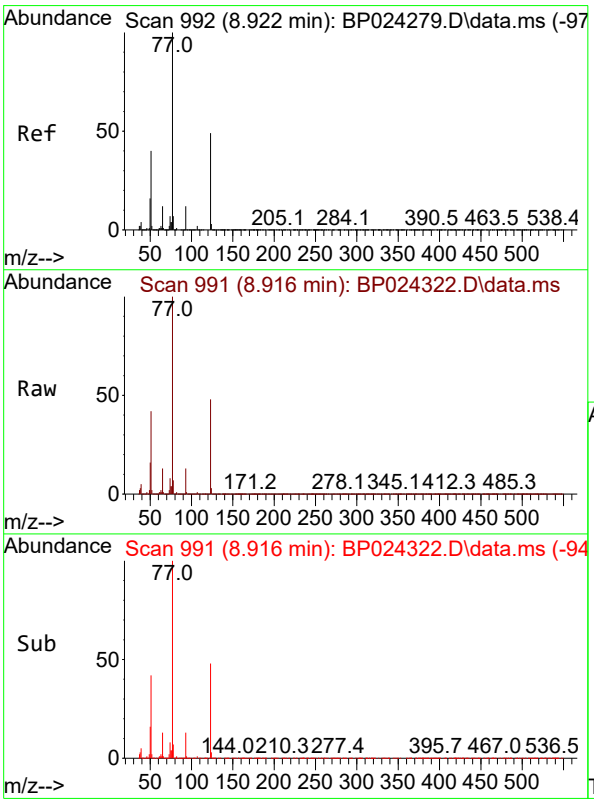
Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.5	54.7
54	42.3	33.4	50.2



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
APPROVED

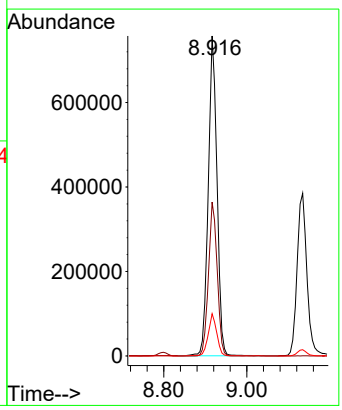
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

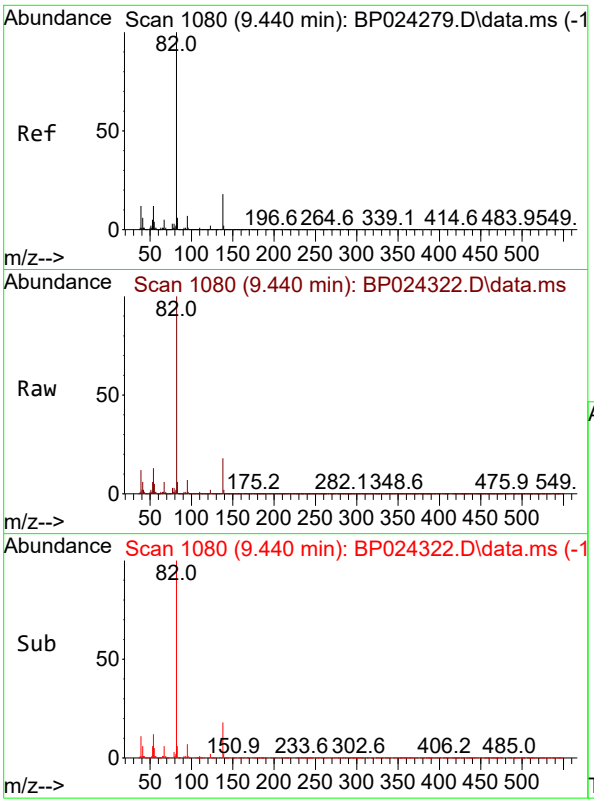


#24
Nitrobenzene
Concen: 43.855 ng
RT: 8.916 min Scan# 991
Delta R.T. -0.006 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion: 77 Resp: 1104577

Ion	Ratio	Lower	Upper
77	100		
123	48.1	39.2	58.8
65	13.2	9.8	14.6

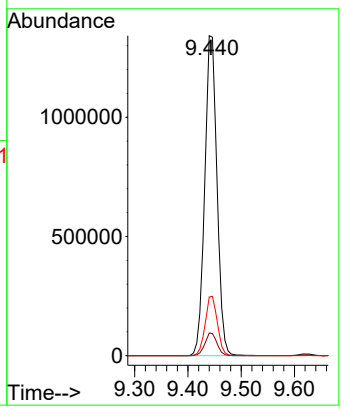




#25
Isophorone
Concen: 46.650 ng
RT: 9.440 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion: 82 Resp: 214987

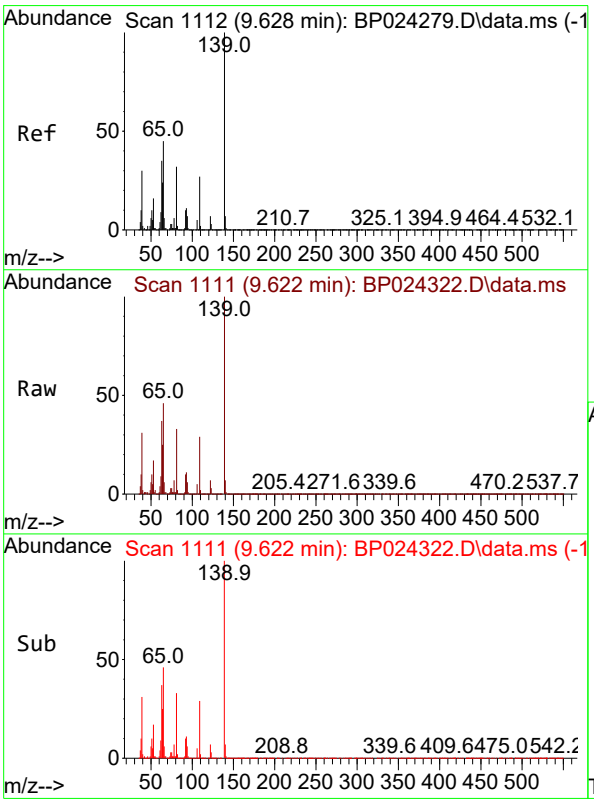
Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.4	8.2
138	18.4	14.4	21.6



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
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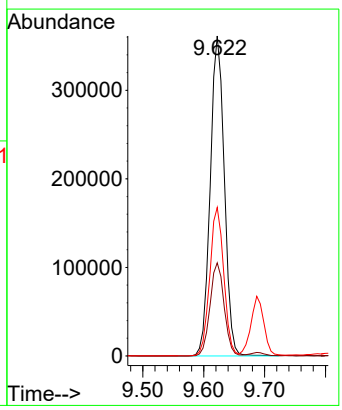
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

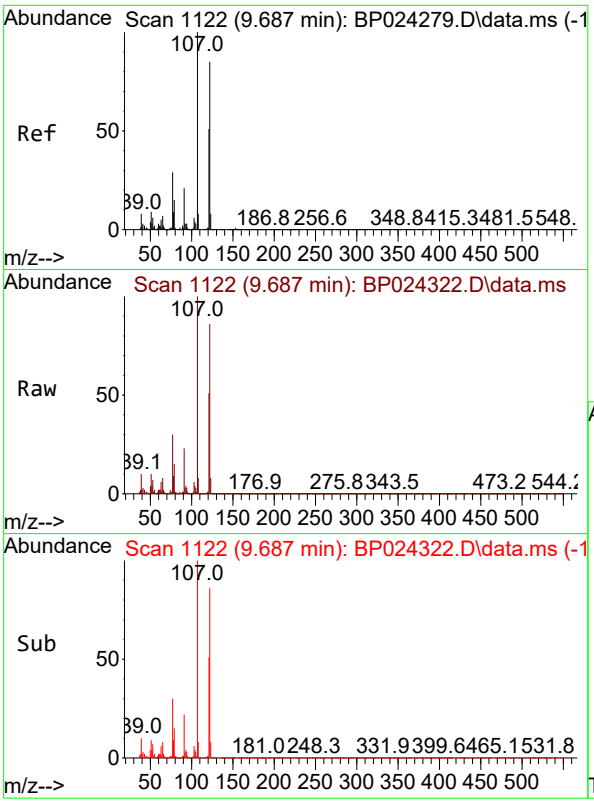


#26
2-Nitrophenol
Concen: 47.180 ng
RT: 9.622 min Scan# 1111
Delta R.T. -0.006 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:139 Resp: 581538

Ion	Ratio	Lower	Upper
139	100		
109	29.1	21.8	32.6
65	46.4	36.2	54.2

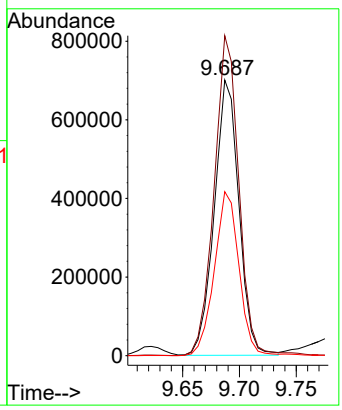




#27
2,4-Dimethylphenol
Concen: 68.269 ng
RT: 9.687 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:122 Resp: 105658

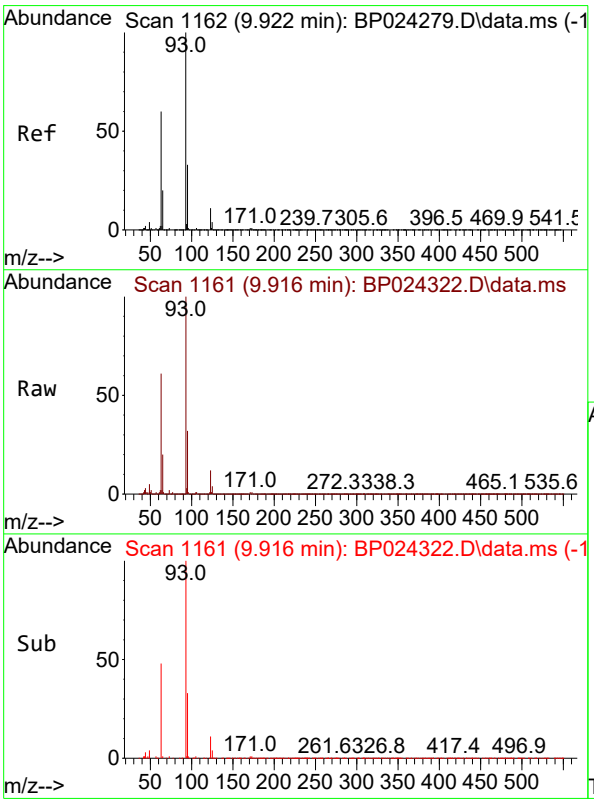
Ion	Ratio	Lower	Upper
122	100		
107	116.1	93.7	140.5
121	59.5	48.2	72.2



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
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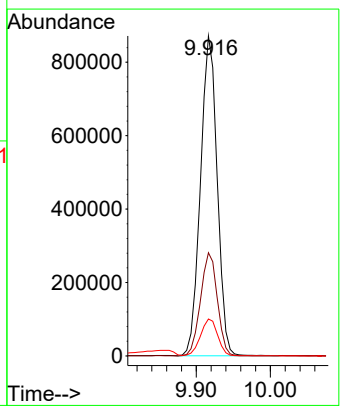
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

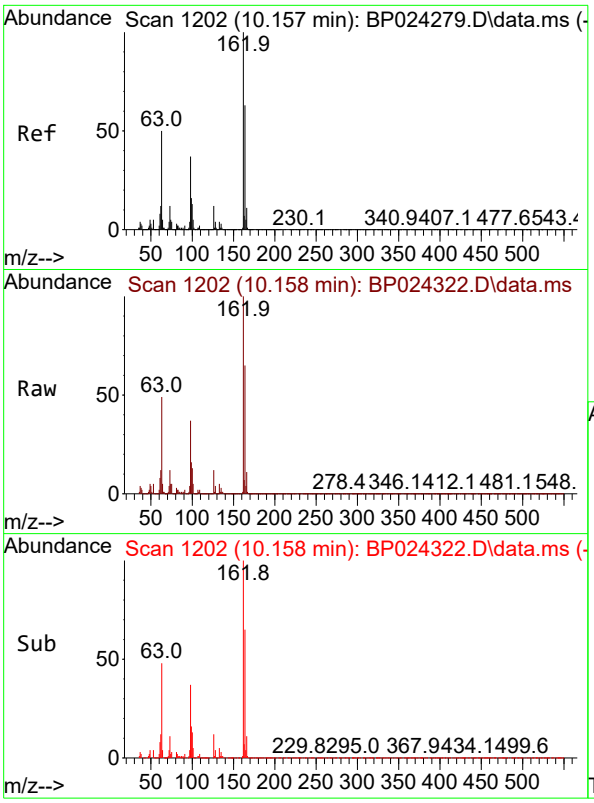


#28
bis(2-Chloroethoxy)methane
Concen: 43.871 ng
RT: 9.916 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion: 93 Resp: 1365811

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.0	39.0
123	11.6	9.1	13.7

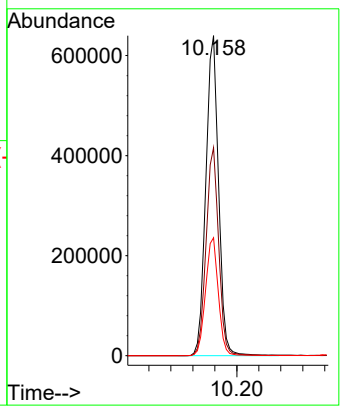




#29
2,4-Dichlorophenol
Concen: 48.576 ng
RT: 10.158 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:162 Resp: 102507

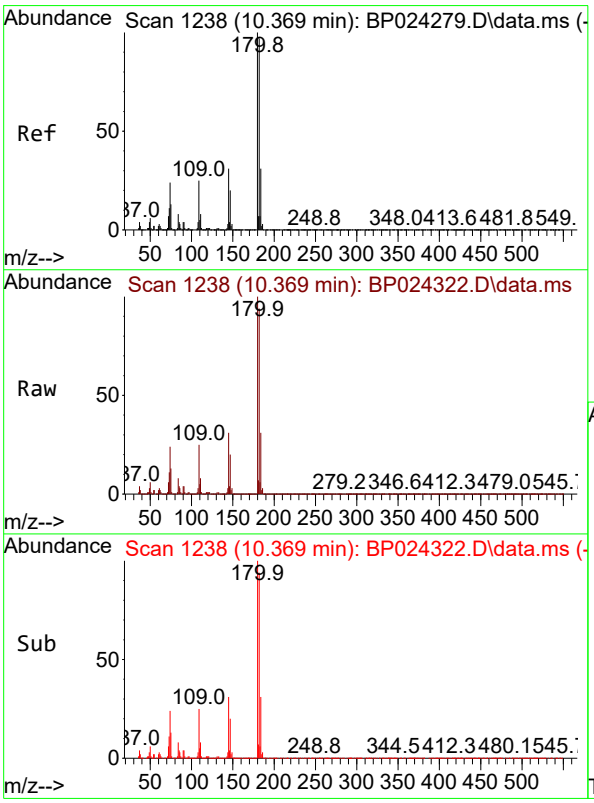
Ion	Ratio	Lower	Upper
162	100		
164	65.0	43.3	83.3
98	36.8	16.6	56.6



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
APPROVED

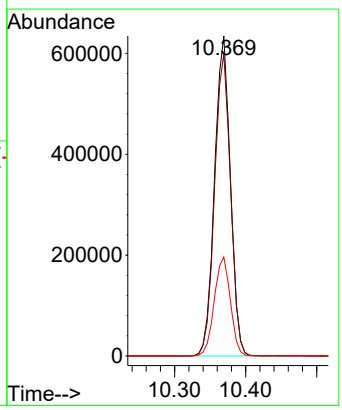
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

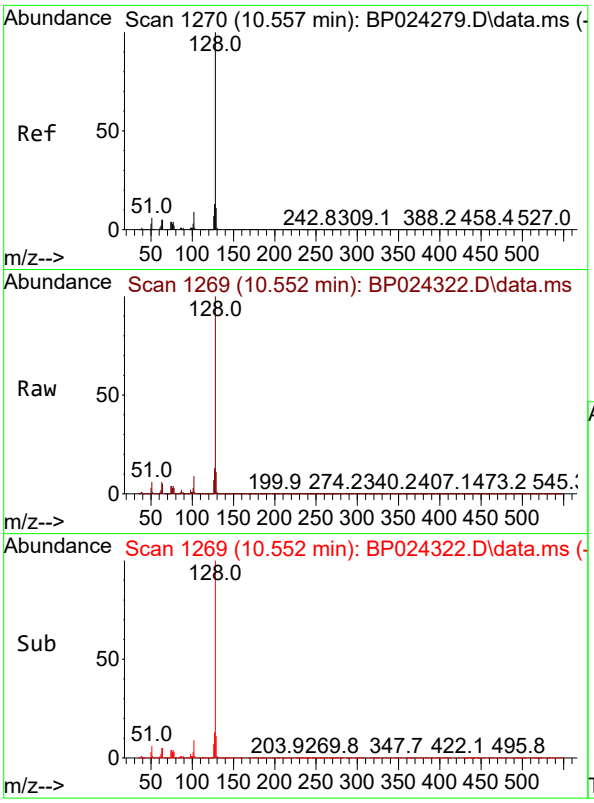


#30
1,2,4-Trichlorobenzene
Concen: 43.241 ng
RT: 10.369 min Scan# 1238
Delta R.T. 0.000 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:180 Resp: 977668

Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.3	115.9
145	31.0	25.1	37.7

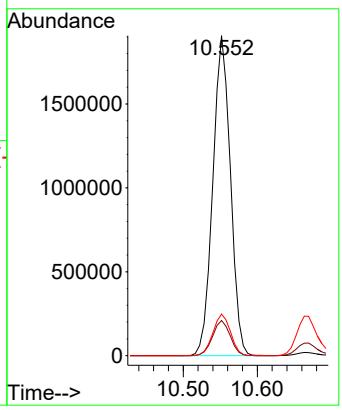




#31
Naphthalene
Concen: 41.121 ng
RT: 10.552 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:128 Resp: 3144759

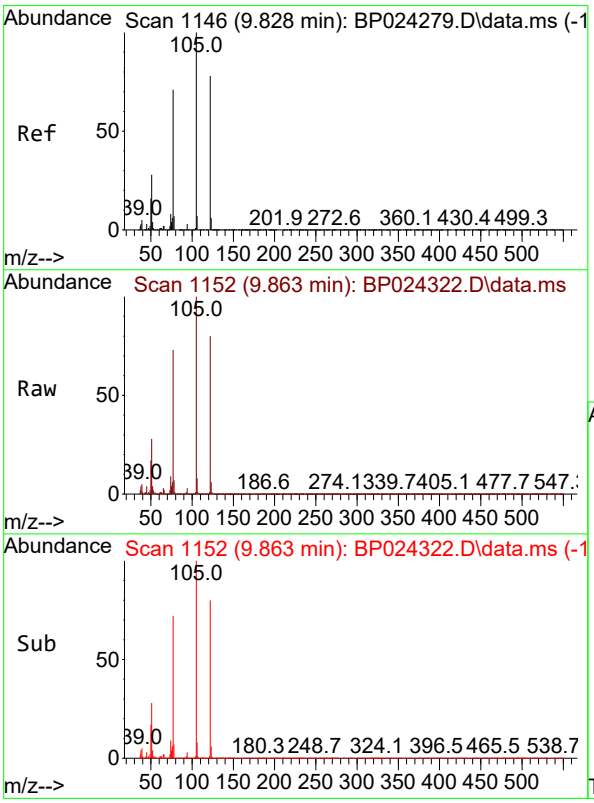
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	13.0	10.3	15.5



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
APPROVED

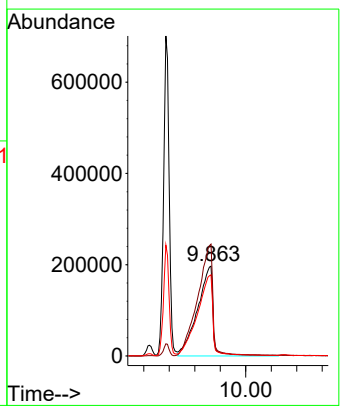
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

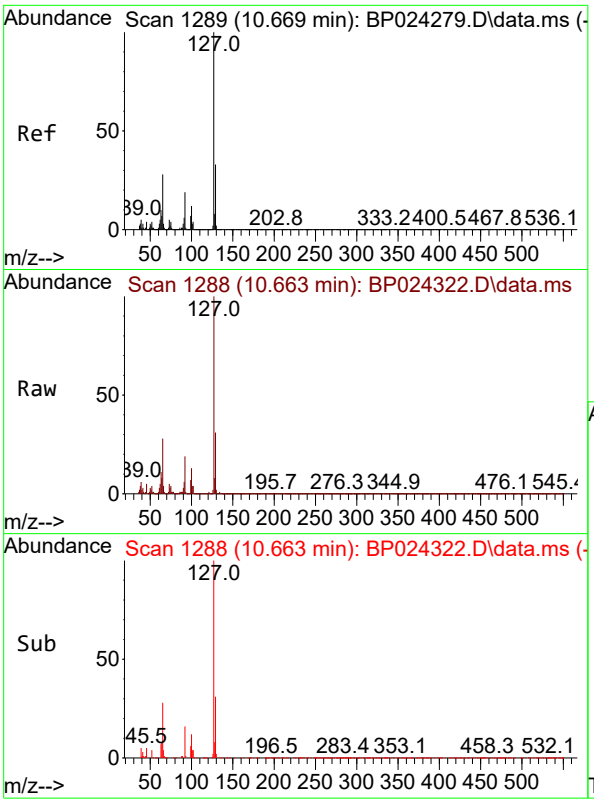


#32
Benzoic acid
Concen: 46.890 ng m
RT: 9.863 min Scan# 1152
Delta R.T. -0.012 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:122 Resp: 845605

Ion	Ratio	Lower	Upper
122	100		
105	124.6	104.8	144.8
77	90.5	69.2	109.2

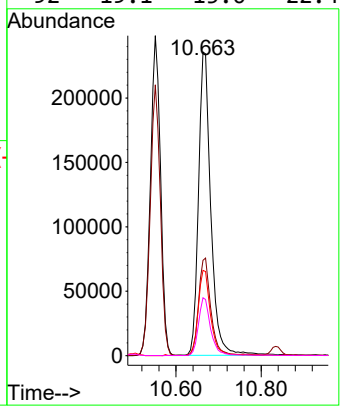




#33
4-Chloroaniline
Concen: 17.547 ng
RT: 10.663 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:127 Resp: 47255

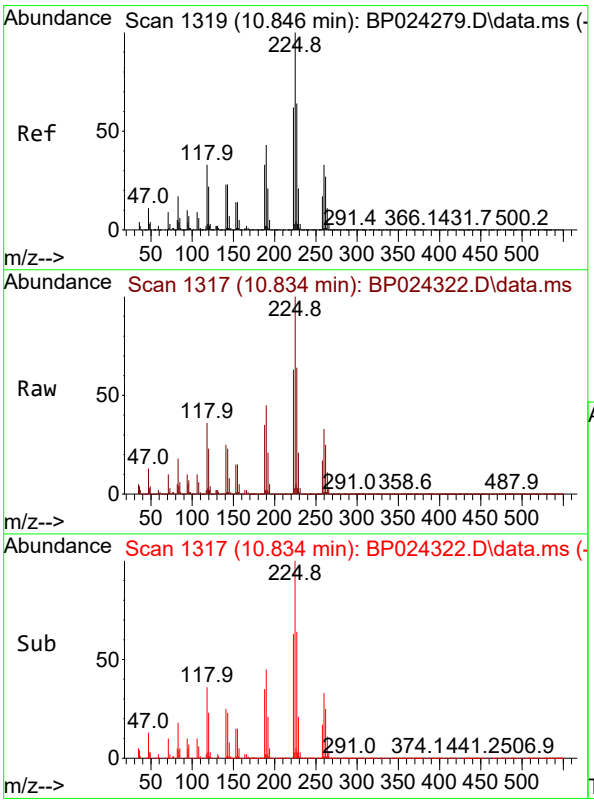
Ion	Ratio	Lower	Upper
127	100		
129	31.4	26.1	39.1
65	28.1	22.1	33.1
92	19.1	15.0	22.4



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
APPROVED

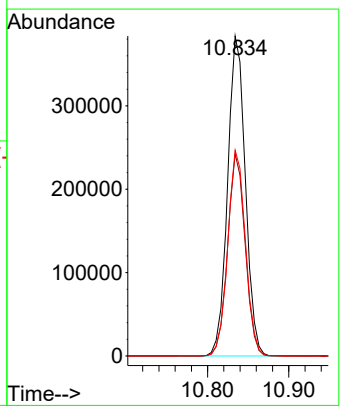
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

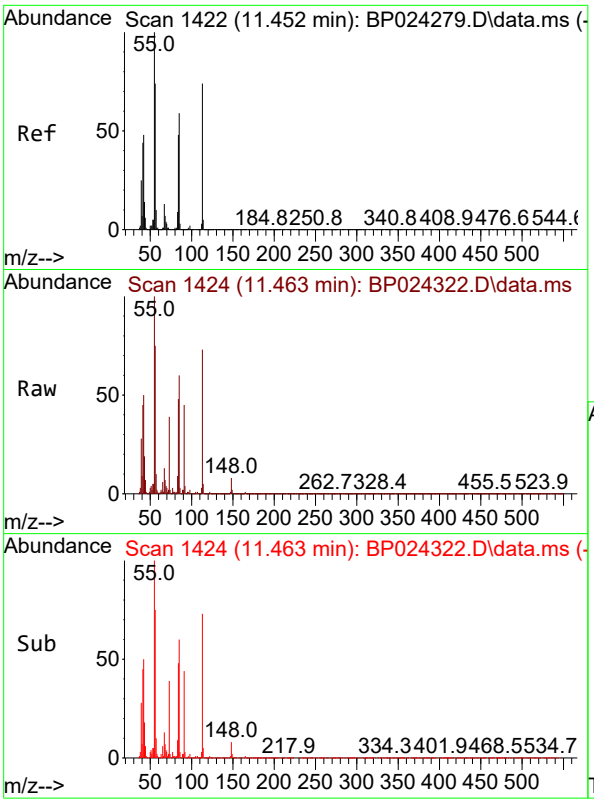


#34
Hexachlorobutadiene
Concen: 43.802 ng
RT: 10.834 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:225 Resp: 581954

Ion	Ratio	Lower	Upper
225	100		
223	63.2	49.5	74.3
227	64.3	50.9	76.3

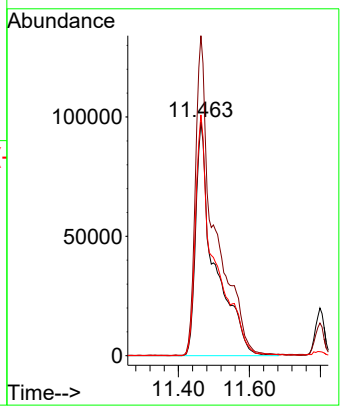




#35
Caprolactam
Concen: 45.907 ng
RT: 11.463 min Scan# 14
Delta R.T. -0.017 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:113 Resp: 35745

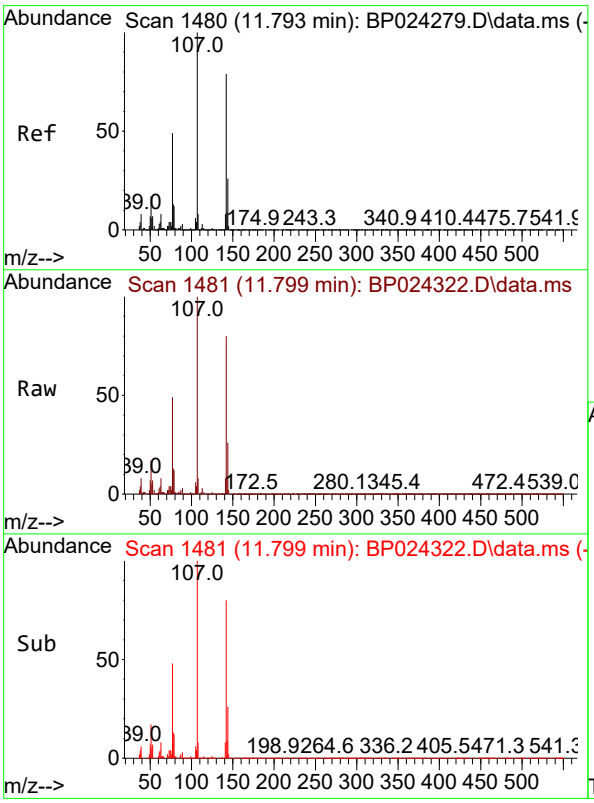
Ion	Ratio	Lower	Upper
113	100		
55	136.8	115.9	155.9
56	103.0	81.1	121.1



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
APPROVED

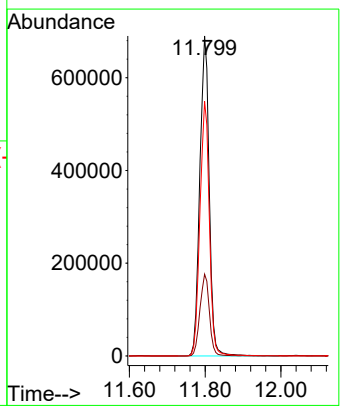
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

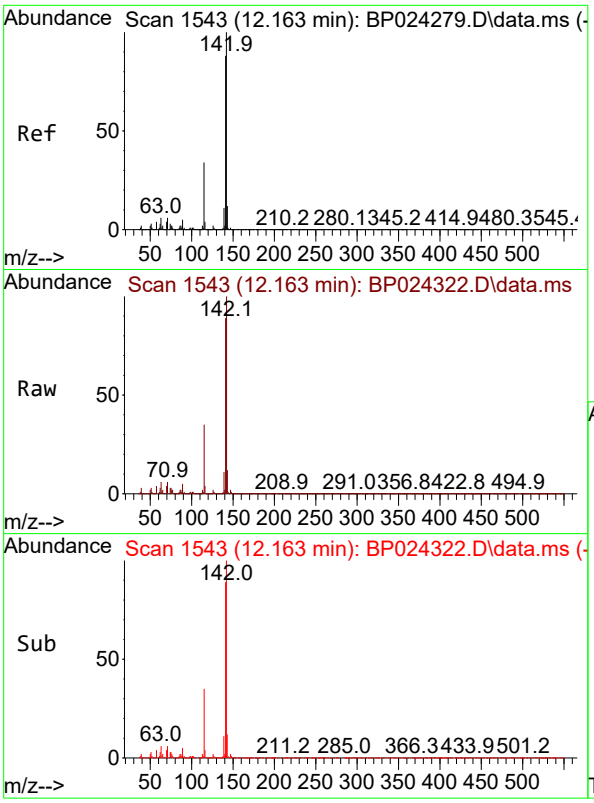


#36
4-Chloro-3-methylphenol
Concen: 48.373 ng
RT: 11.799 min Scan# 1481
Delta R.T. -0.006 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:107 Resp: 1188991

Ion	Ratio	Lower	Upper
107	100		
144	25.6	20.5	30.7
142	79.6	63.4	95.2

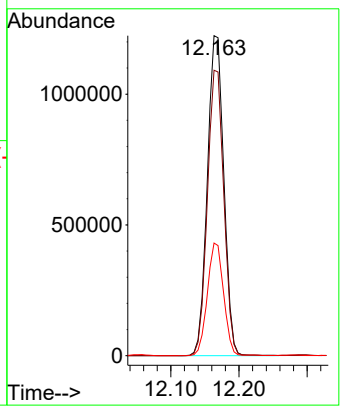




#37
2-Methylnaphthalene
Concen: 38.801 ng
RT: 12.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:142 Resp: 205790

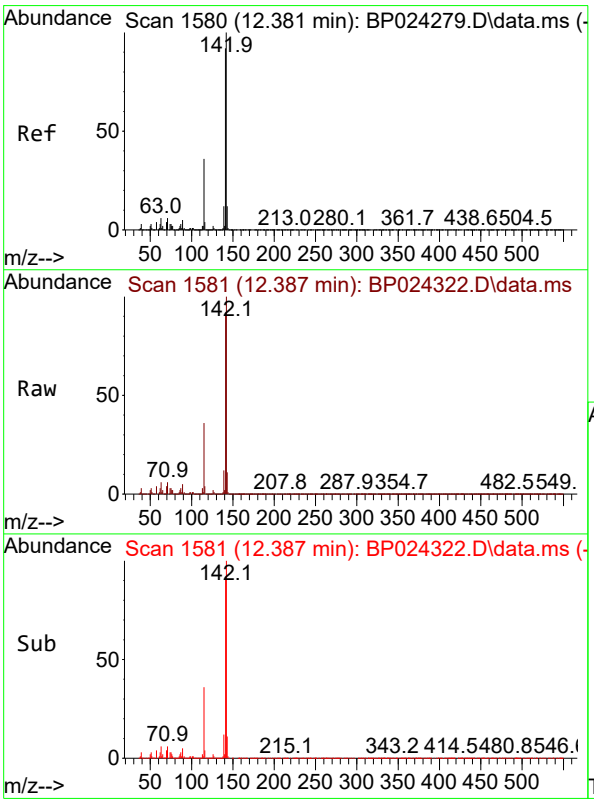
Ion	Ratio	Lower	Upper
142	100		
141	89.2	70.3	105.5
115	35.2	26.9	40.3



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
APPROVED

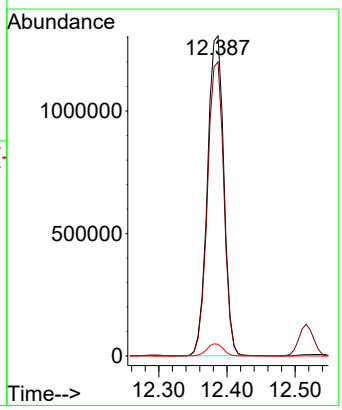
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

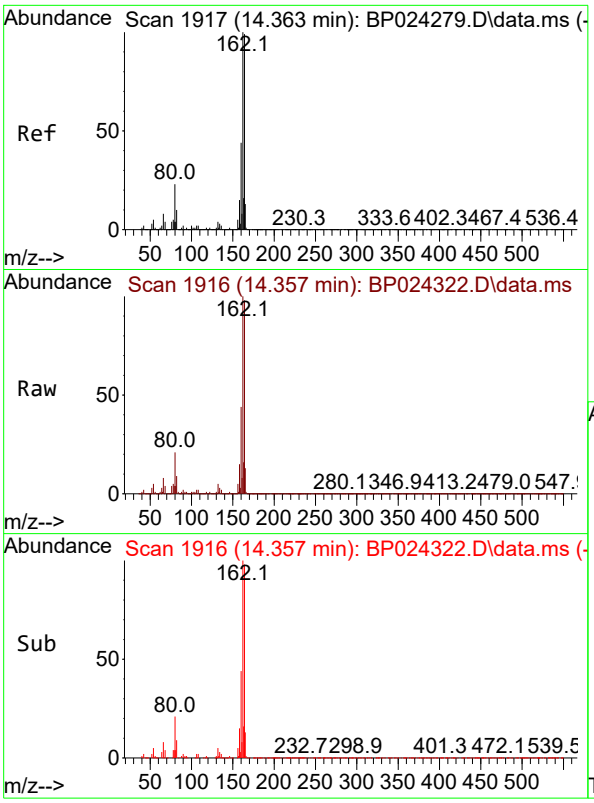


#38
1-Methylnaphthalene
Concen: 42.204 ng
RT: 12.387 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:142 Resp: 2189742

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.6	110.4
116	3.7	3.0	4.6

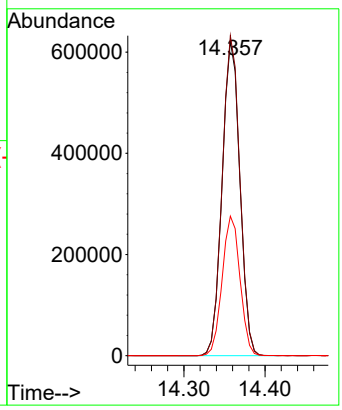




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.357 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:164 Resp: 94639

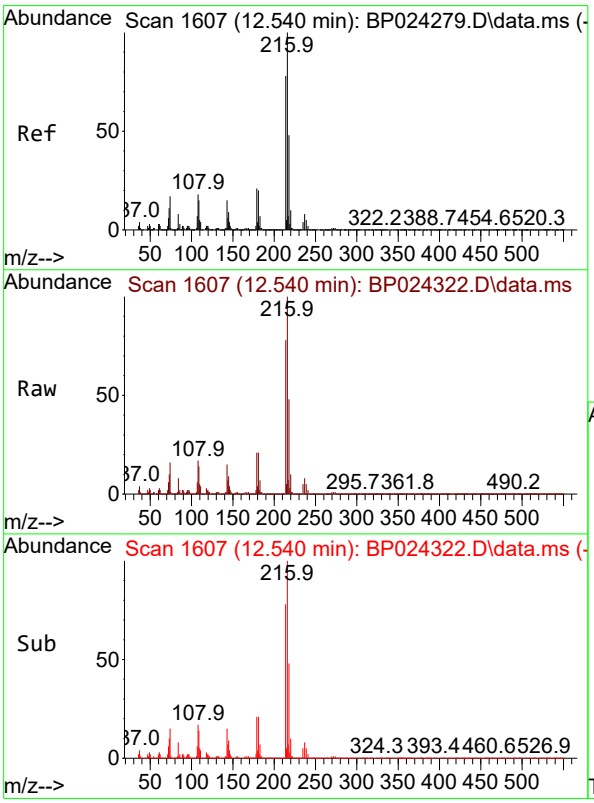
Ion	Ratio	Lower	Upper
164	100		
162	101.7	80.6	120.8
160	44.3	35.3	52.9



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
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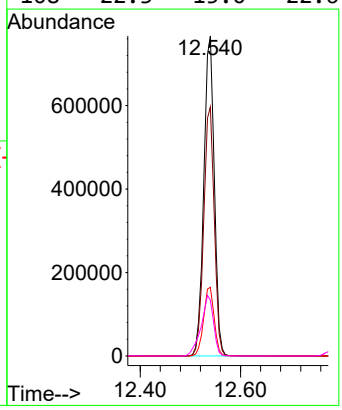
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

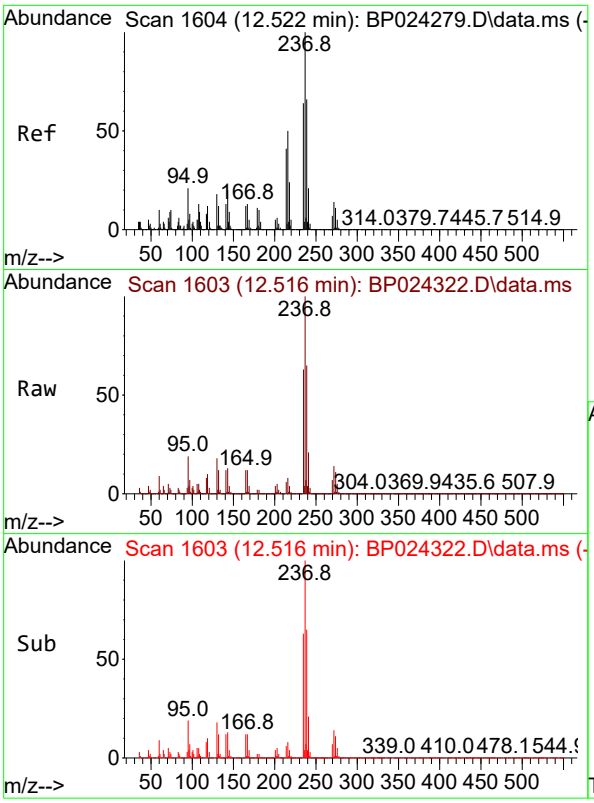


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.855 ng
RT: 12.540 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:216 Resp: 1115334

Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.6	93.8
179	21.7	17.2	25.8
108	22.3	15.0	22.6

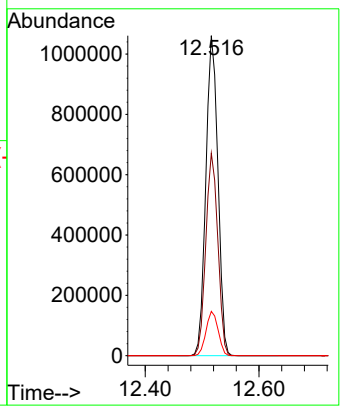




#41
Hexachlorocyclopentadiene
Concen: 169.206 ng
RT: 12.516 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:237 Resp: 155747

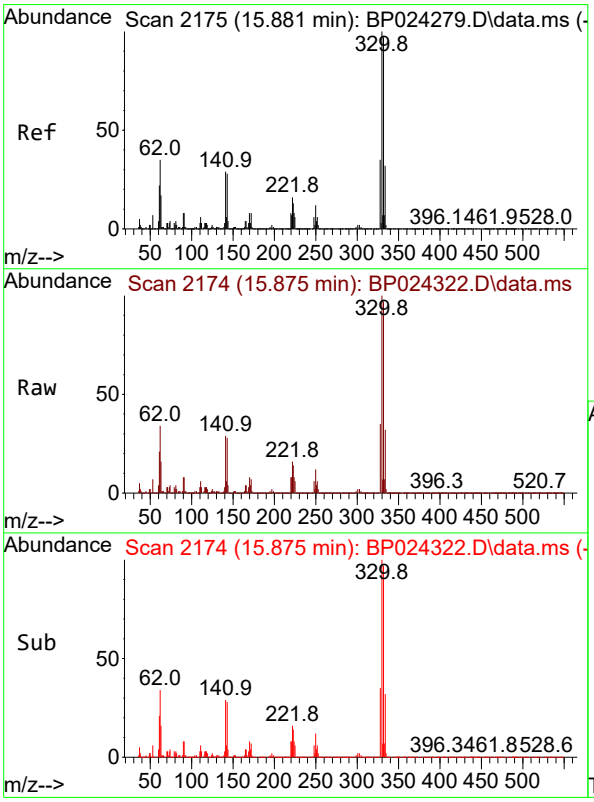
Ion	Ratio	Lower	Upper
237	100		
235	63.2	43.9	83.9
272	13.9	0.0	33.6



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
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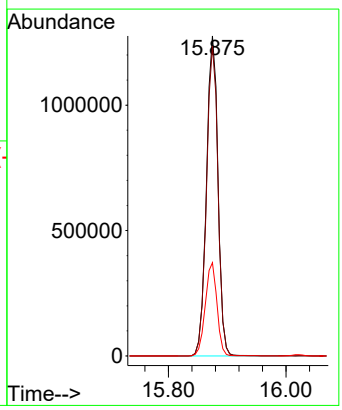
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

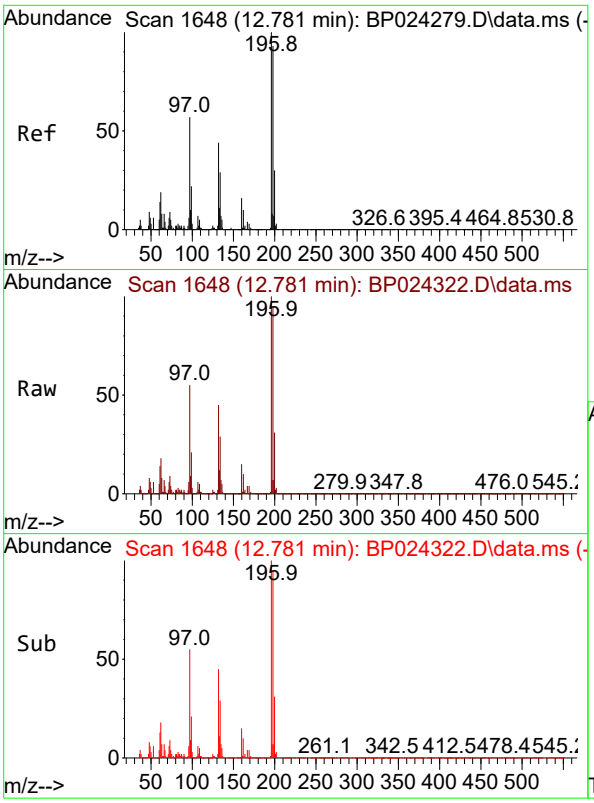


#42
2,4,6-Tribromophenol
Concen: 132.043 ng
RT: 15.875 min Scan# 2174
Delta R.T. -0.017 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:330 Resp: 1728940

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.1	115.7
141	29.7	24.7	37.1





#43
2,4,6-Trichlorophenol
Concen: 47.984 ng
RT: 12.781 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

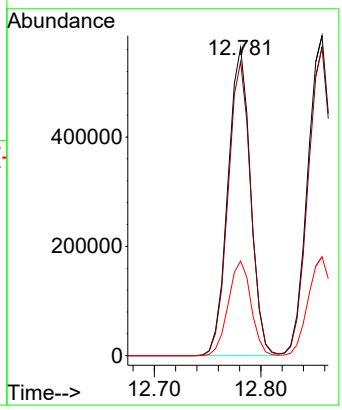
Tgt Ion:196 Resp: 83027

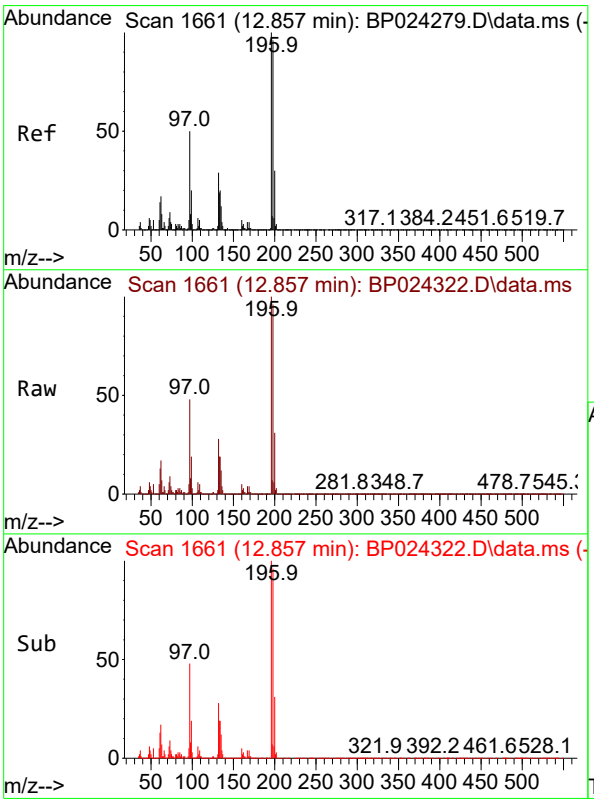
Ion	Ratio	Lower	Upper
196	100		
198	95.4	74.3	111.5
200	30.7	24.0	36.0

Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

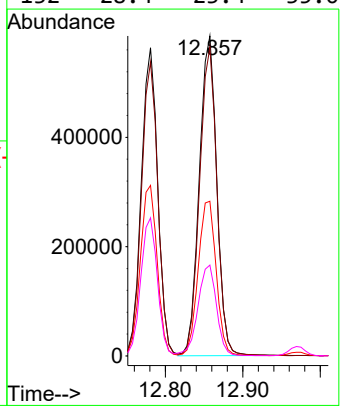


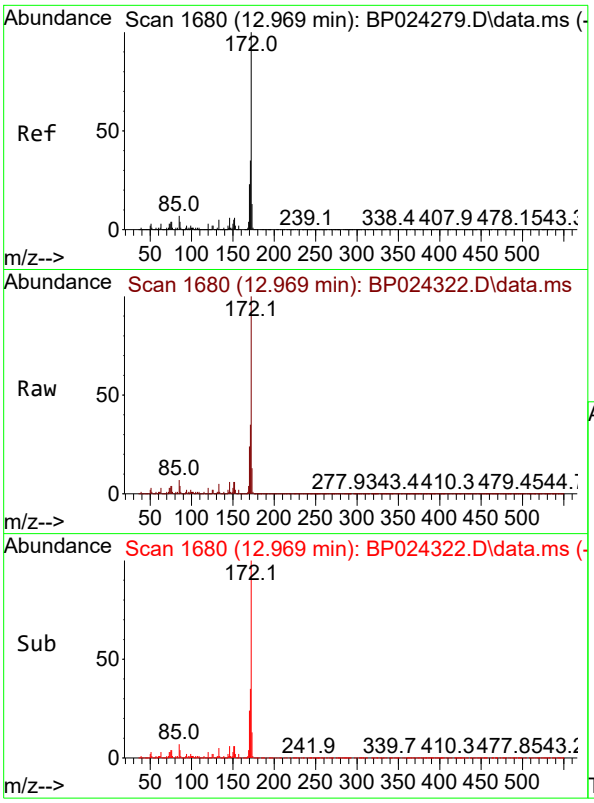


#44
2,4,5-Trichlorophenol
Concen: 47.846 ng
RT: 12.857 min Scan# 1661
Delta R.T. -0.012 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:196 Resp: 916797

Ion	Ratio	Lower	Upper
196	100		
198	96.4	77.3	115.9
97	48.3	40.4	60.6
132	28.4	23.4	35.0

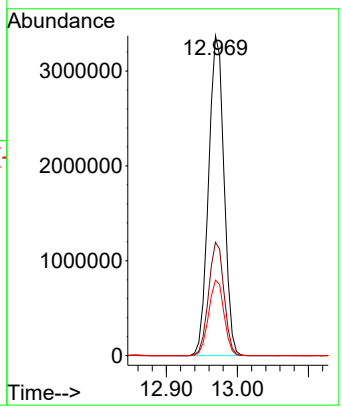




#45
2-Fluorobiphenyl
Concen: 82.280 ng
RT: 12.969 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:172 Resp: 508578

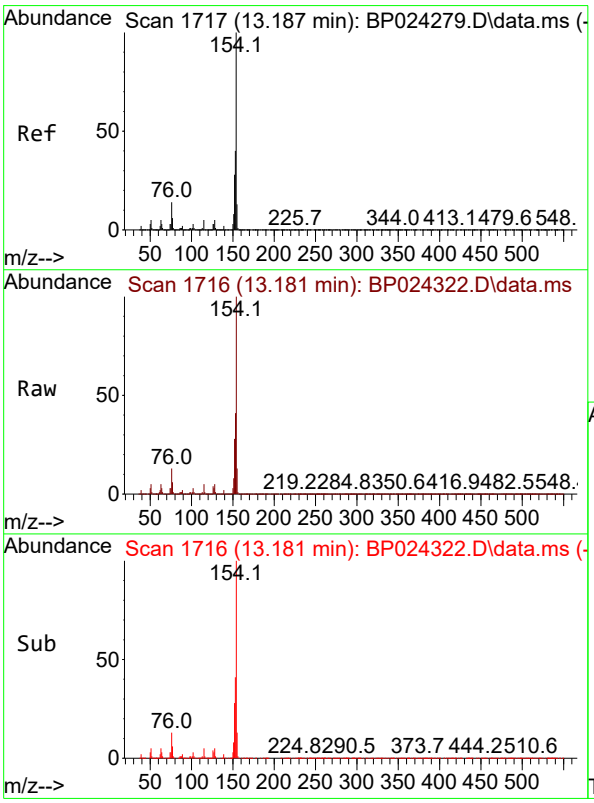
Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.2	42.2
170	23.6	18.6	27.8



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
APPROVED

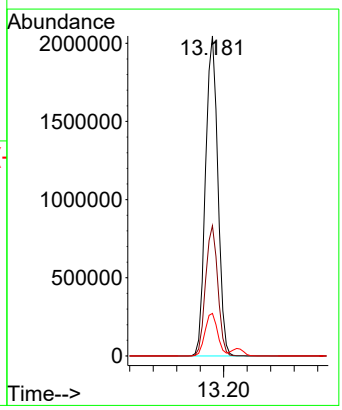
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

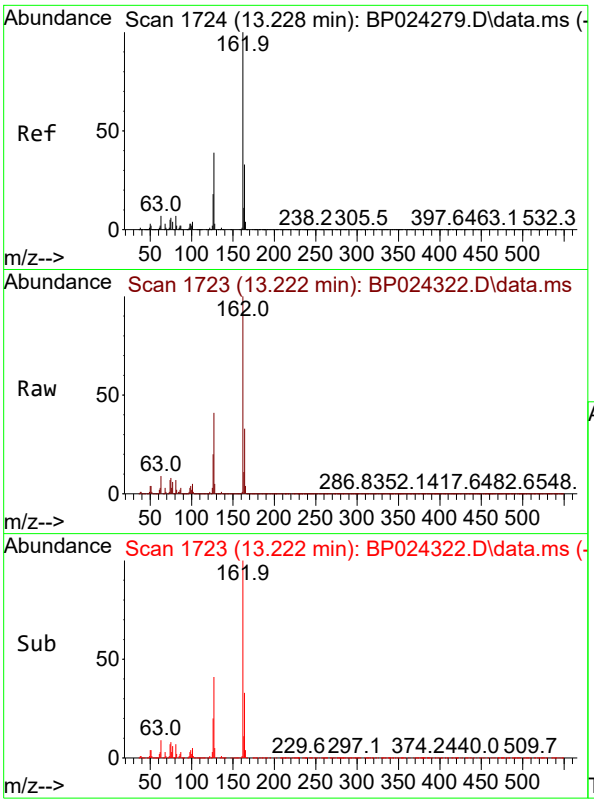


#46
1,1'-Biphenyl
Concen: 42.935 ng
RT: 13.181 min Scan# 1716
Delta R.T. -0.017 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:154 Resp: 2986755

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.3	60.3
76	13.3	0.0	33.5

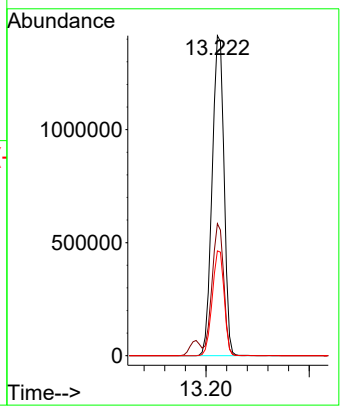




#47
2-Chloronaphthalene
Concen: 43.403 ng
RT: 13.222 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:162 Resp: 225660

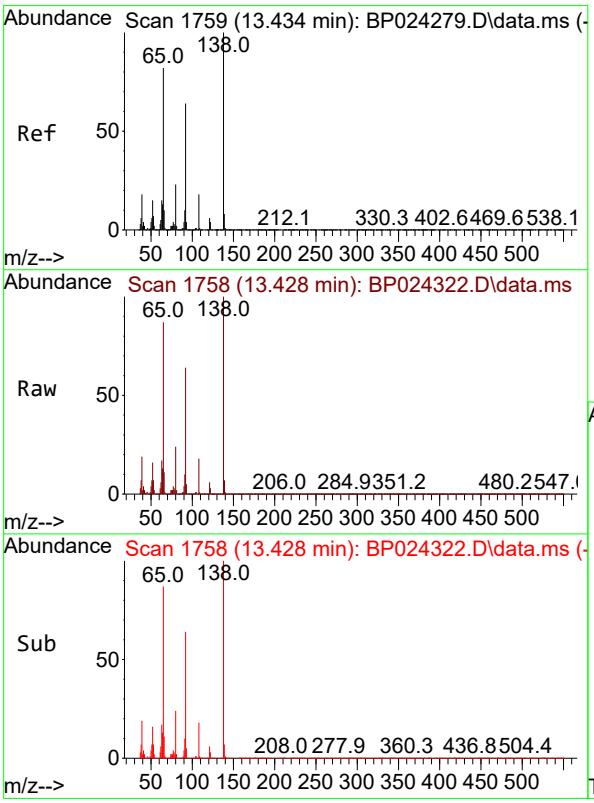
Ion	Ratio	Lower	Upper
162	100		
127	41.2	31.9	47.9
164	32.7	26.2	39.4



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
APPROVED

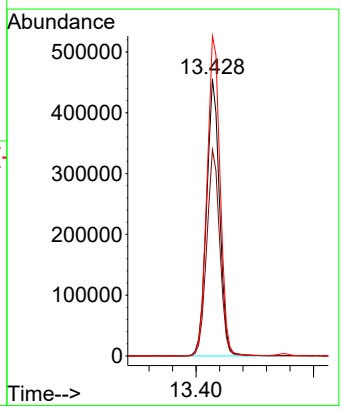
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

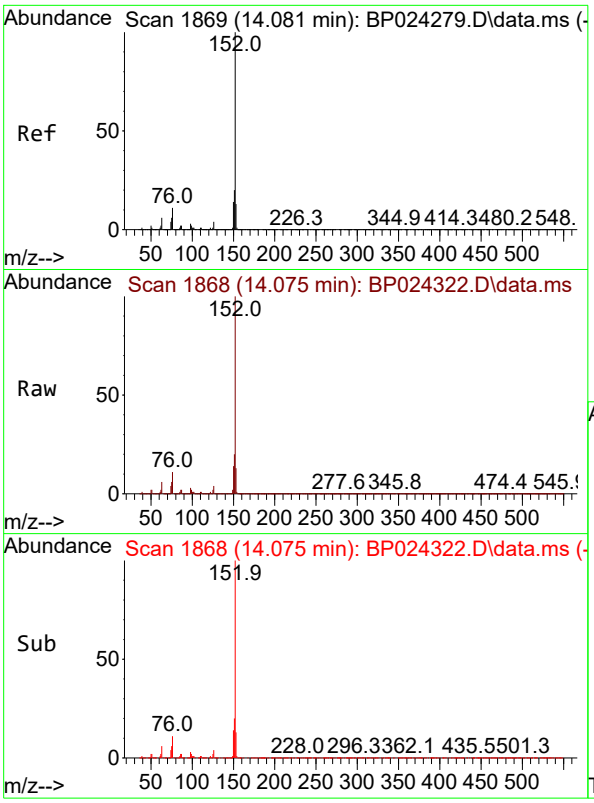


#48
2-Nitroaniline
Concen: 48.034 ng
RT: 13.428 min Scan# 1758
Delta R.T. -0.017 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion: 65 Resp: 700526

Ion	Ratio	Lower	Upper
65	100		
92	74.4	62.3	93.5
138	115.5	97.2	145.8

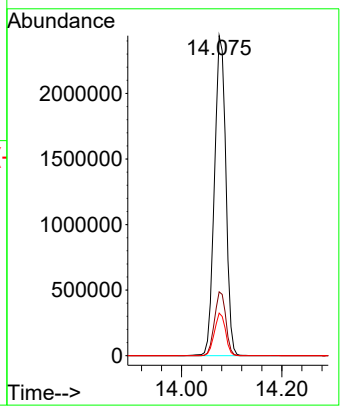




#49
Acenaphthylene
Concen: 46.990 ng
RT: 14.075 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:152 Resp: 384646

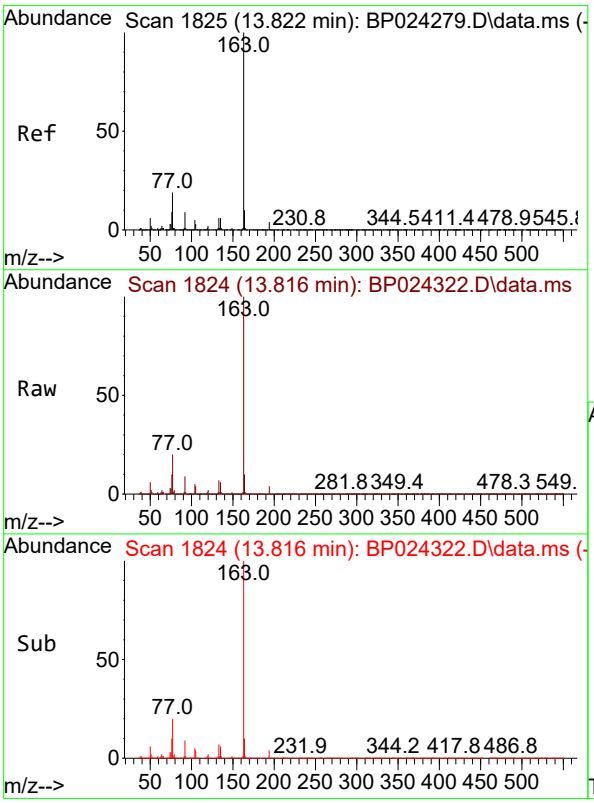
Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9
153	13.3	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
APPROVED

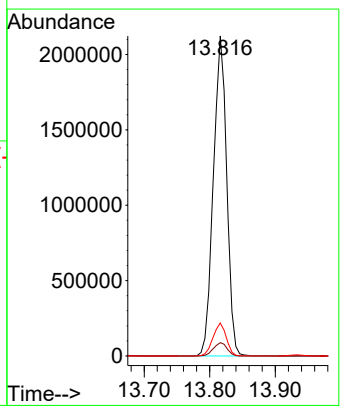
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

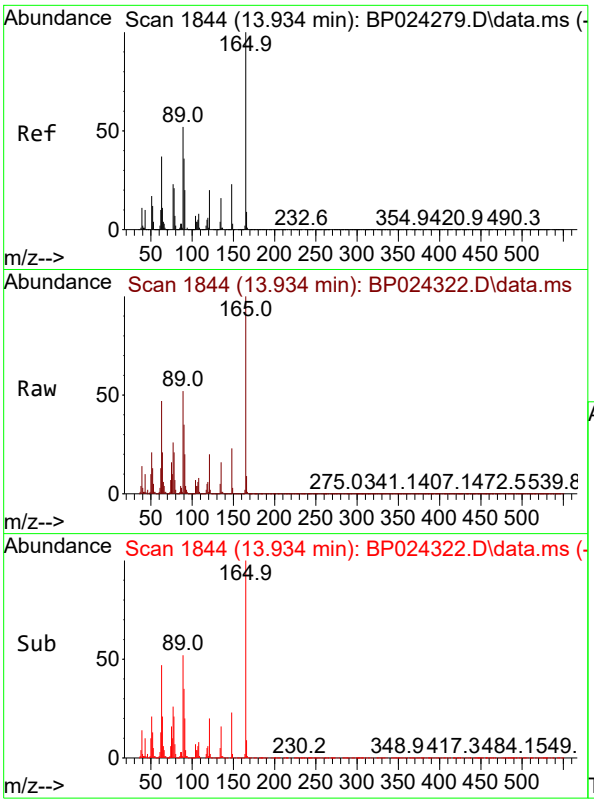


#50
Dimethylphthalate
Concen: 43.521 ng
RT: 13.816 min Scan# 1824
Delta R.T. -0.017 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:163 Resp: 2995229

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	10.3	8.0	12.0

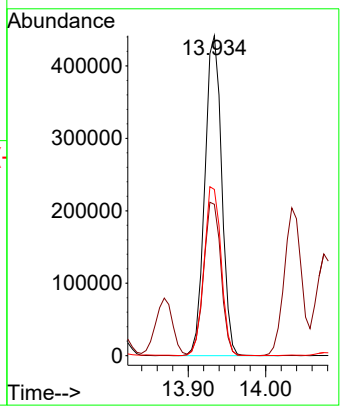




#51
2,6-Dinitrotoluene
Concen: 45.557 ng
RT: 13.934 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:165 Resp: 66578

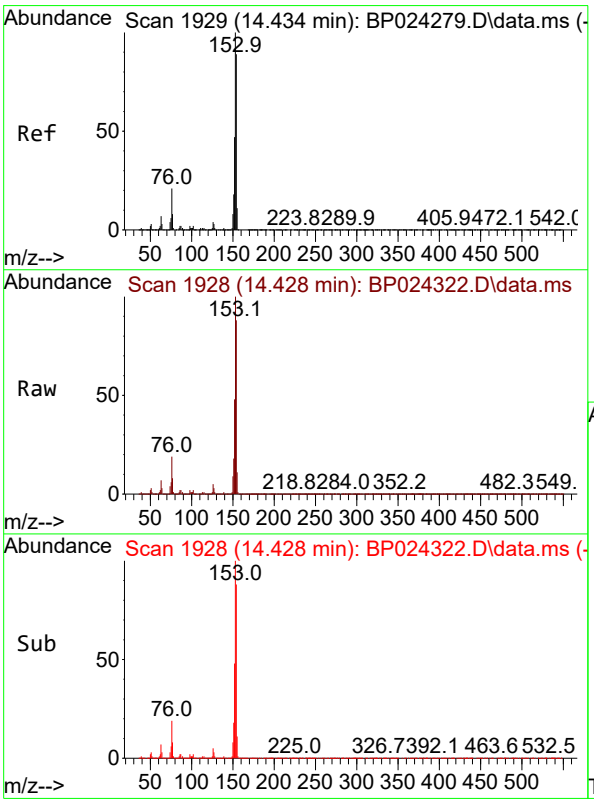
Ion	Ratio	Lower	Upper
165	100		
63	47.3	38.0	57.0
89	51.9	41.7	62.5



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
APPROVED

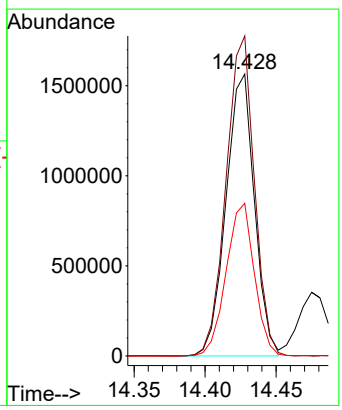
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

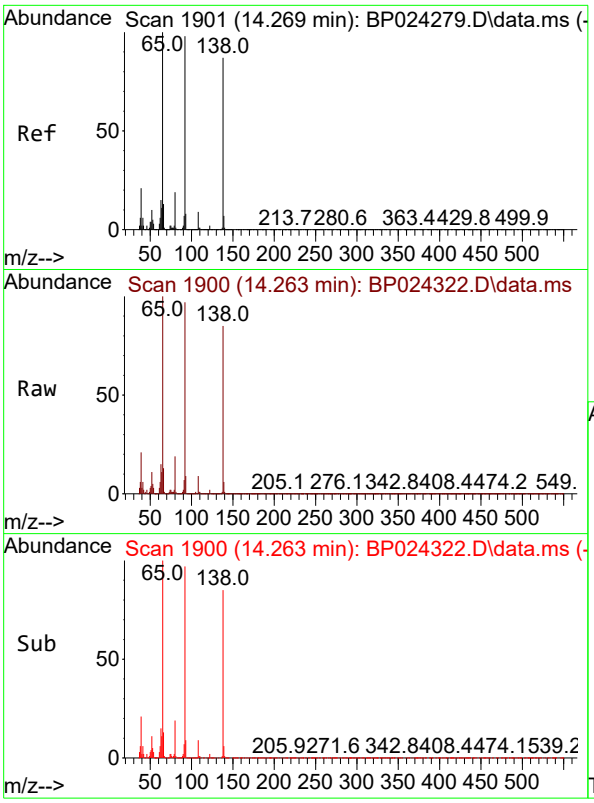


#52
Acenaphthene
Concen: 42.046 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.012 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:154 Resp: 2181964

Ion	Ratio	Lower	Upper
154	100		
153	113.5	89.8	134.6
152	54.2	42.6	63.8





#53
3-Nitroaniline
Concen: 27.163 ng
RT: 14.263 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

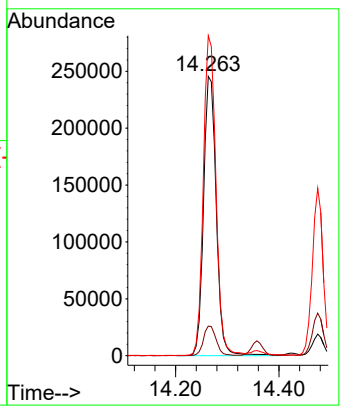
Tgt Ion:138 Resp: 41721

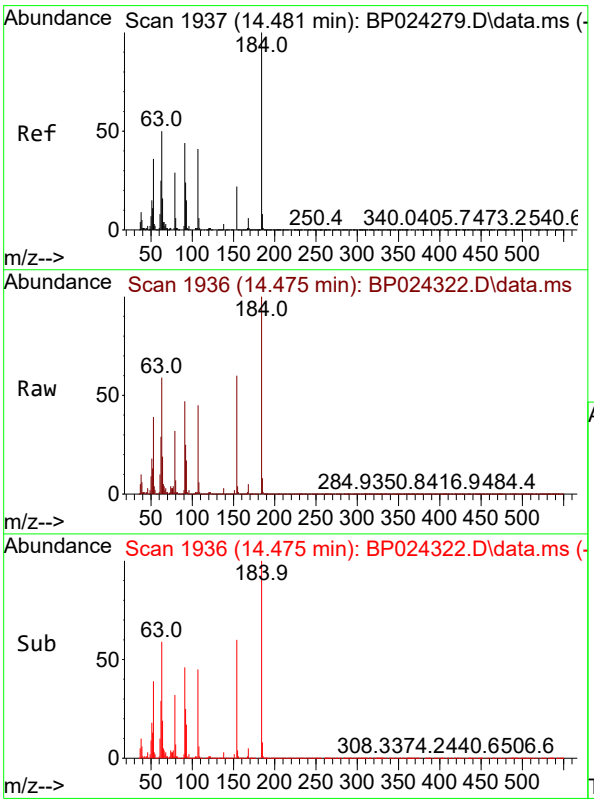
Ion	Ratio	Lower	Upper
138	100		
108	10.6	8.3	12.5
92	114.5	89.8	134.8

Instrument :
BNA_P
ClientSampleId :
PB167564BS

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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

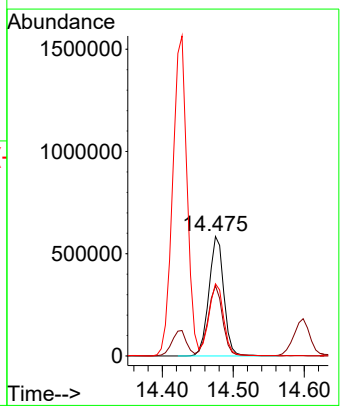


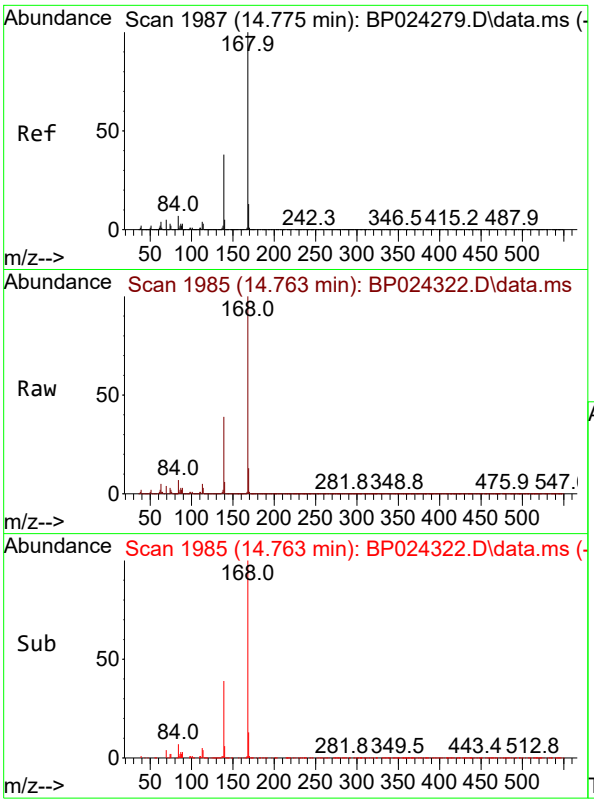


#54
2,4-Dinitrophenol
Concen: 99.160 ng
RT: 14.475 min Scan# 1936
Delta R.T. -0.017 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:184 Resp: 853627

Ion	Ratio	Lower	Upper
184	100		
63	58.7	42.6	64.0
154	60.4	47.2	70.8

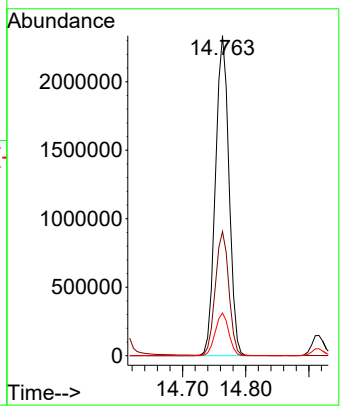




#55
Dibenzofuran
Concen: 40.921 ng
RT: 14.763 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:168 Resp: 347117

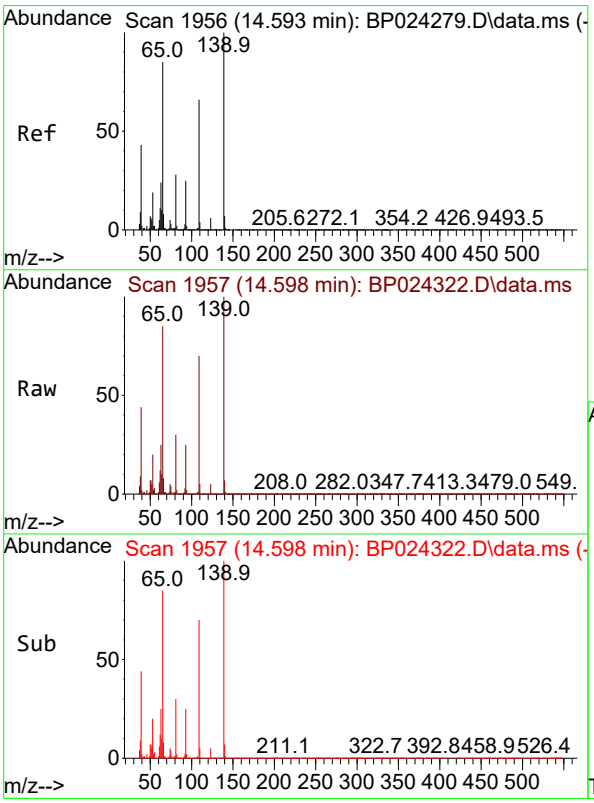
Ion	Ratio	Lower	Upper
168	100		
139	38.8	30.3	45.5
169	13.4	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
APPROVED

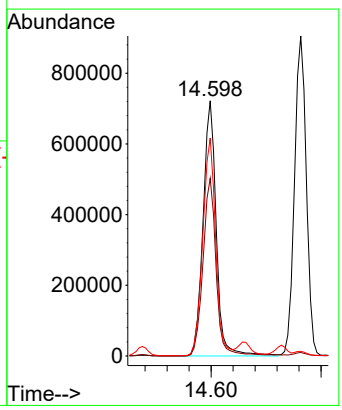
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

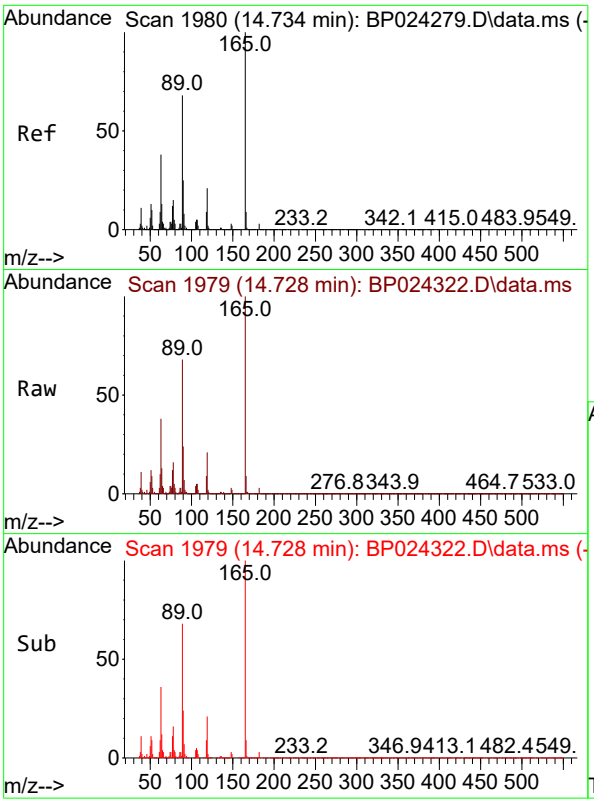


#56
4-Nitrophenol
Concen: 90.613 ng
RT: 14.598 min Scan# 1957
Delta R.T. -0.006 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:139 Resp: 1202044

Ion	Ratio	Lower	Upper
139	100		
109	69.6	46.1	86.1
65	85.4	65.0	105.0

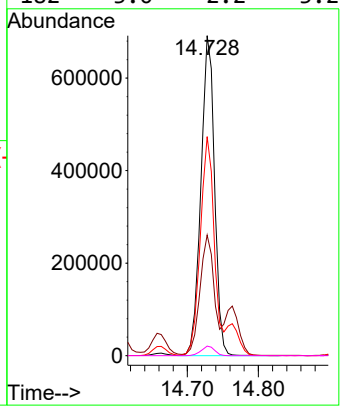




#57
2,4-Dinitrotoluene
Concen: 46.269 ng
RT: 14.728 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:165 Resp: 92241

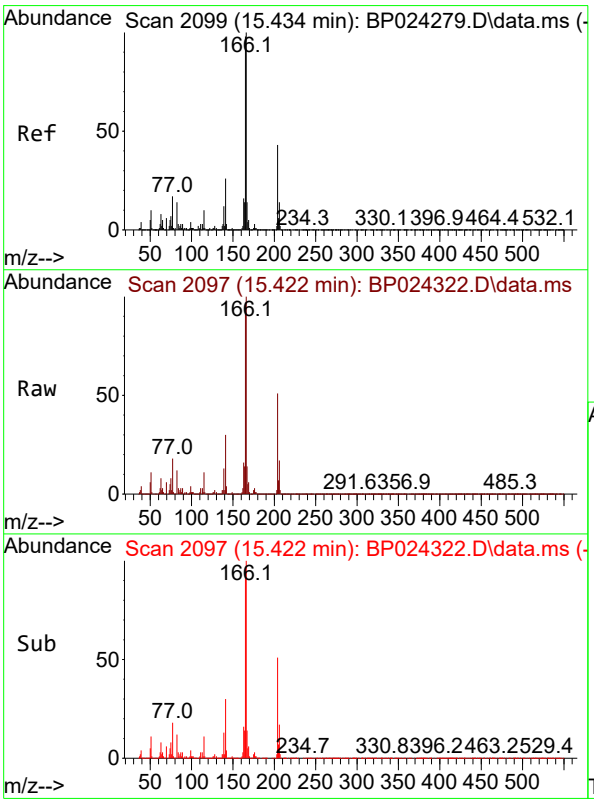
Ion	Ratio	Lower	Upper
165	100		
63	37.7	30.4	45.6
89	68.4	54.6	82.0
182	3.0	2.2	3.2



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
APPROVED

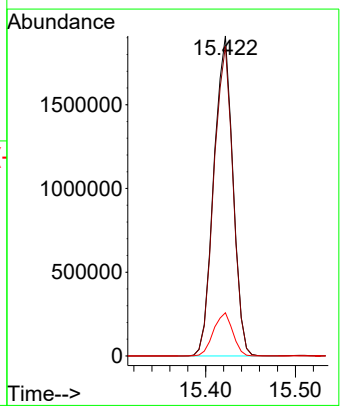
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

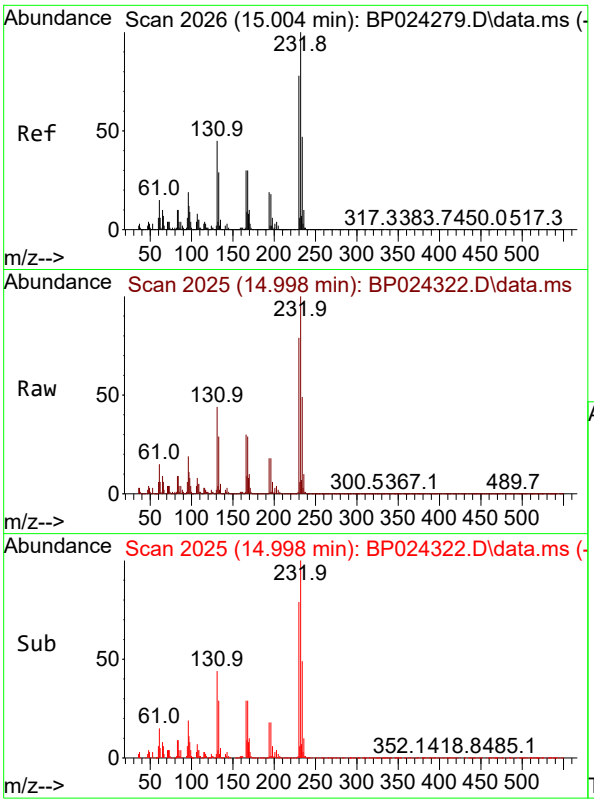


#58
Fluorene
Concen: 42.994 ng
RT: 15.422 min Scan# 2097
Delta R.T. -0.017 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:166 Resp: 2823276

Ion	Ratio	Lower	Upper
166	100		
165	96.9	78.1	117.1
167	13.5	10.9	16.3

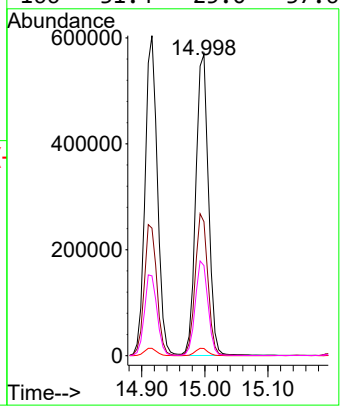




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.773 ng
RT: 14.998 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:232 Resp: 79125

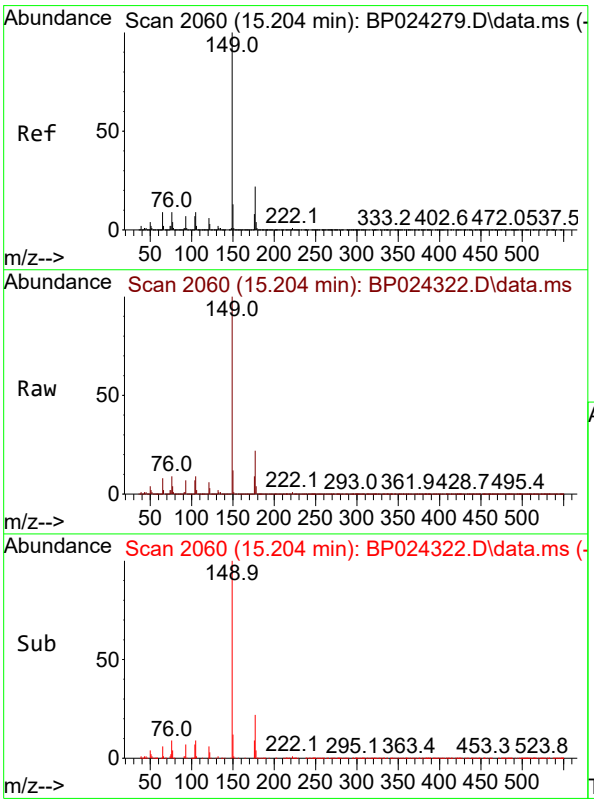
Ion	Ratio	Lower	Upper
232	100		
131	47.1	36.8	55.2
130	2.5	1.9	2.9
166	31.4	25.0	37.6



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
APPROVED

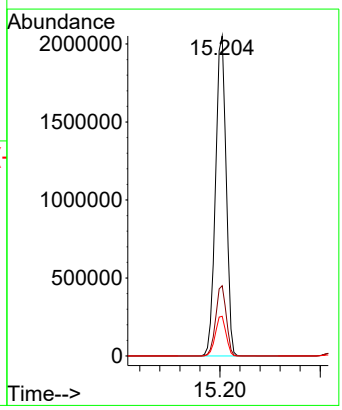
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

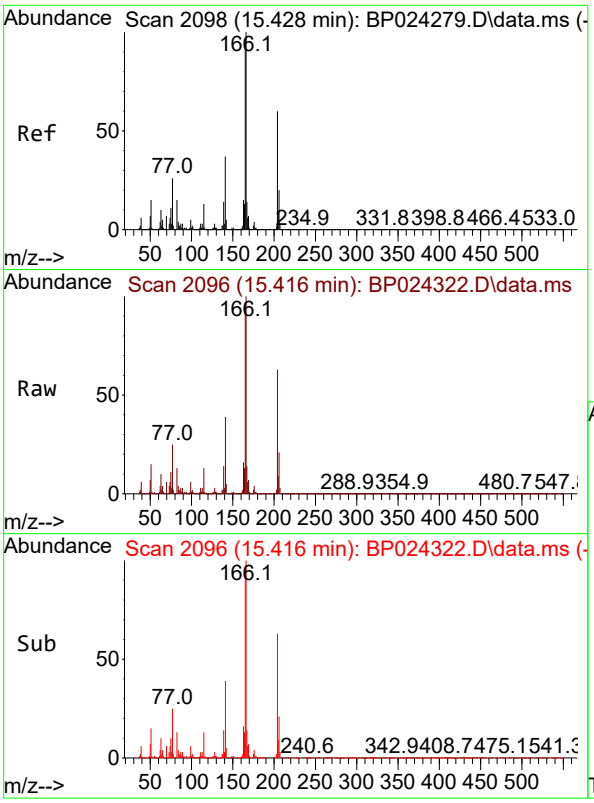


#60
Diethylphthalate
Concen: 42.362 ng
RT: 15.204 min Scan# 2060
Delta R.T. -0.017 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:149 Resp: 3004493

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.4	26.2
150	12.4	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 42.916 ng
RT: 15.416 min Scan# 2
Delta R.T. -0.023 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

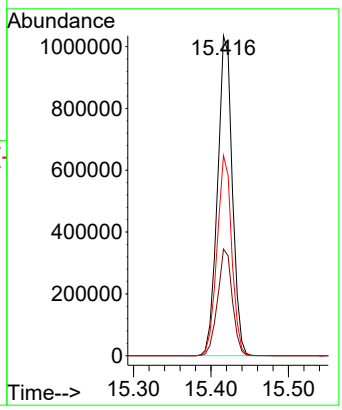
Instrument :
BNA_P
ClientSampleId :
PB167564BS

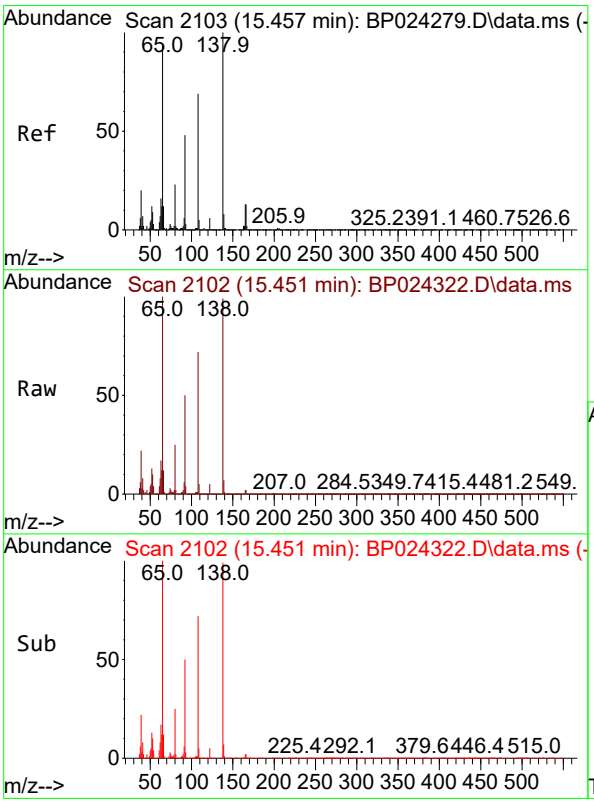
Tgt Ion:204 Resp: 136849

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.5	39.7
141	62.5	49.4	74.0

Manual Integrations
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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

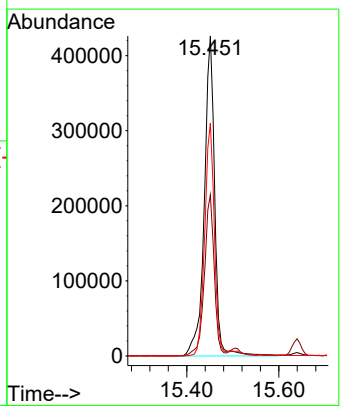


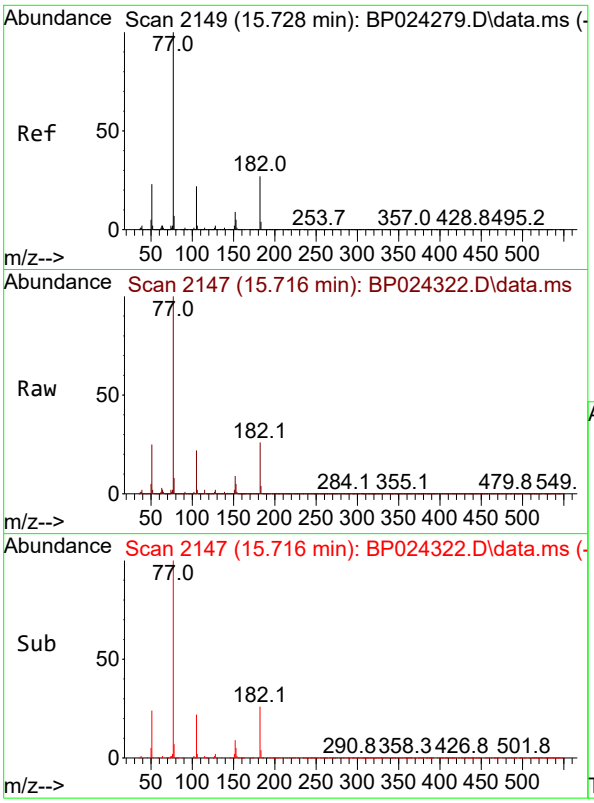


#62
4-Nitroaniline
Concen: 41.433 ng
RT: 15.451 min Scan# 2102
Delta R.T. -0.017 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:138 Resp: 673721

Ion	Ratio	Lower	Upper
138	100		
92	50.4	27.8	67.8
108	72.7	48.9	88.9

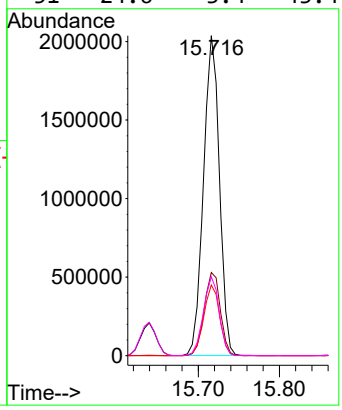




#63
Azobenzene
Concen: 42.405 ng
RT: 15.716 min Scan# 2
Delta R.T. -0.023 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion: 77 Resp: 276424

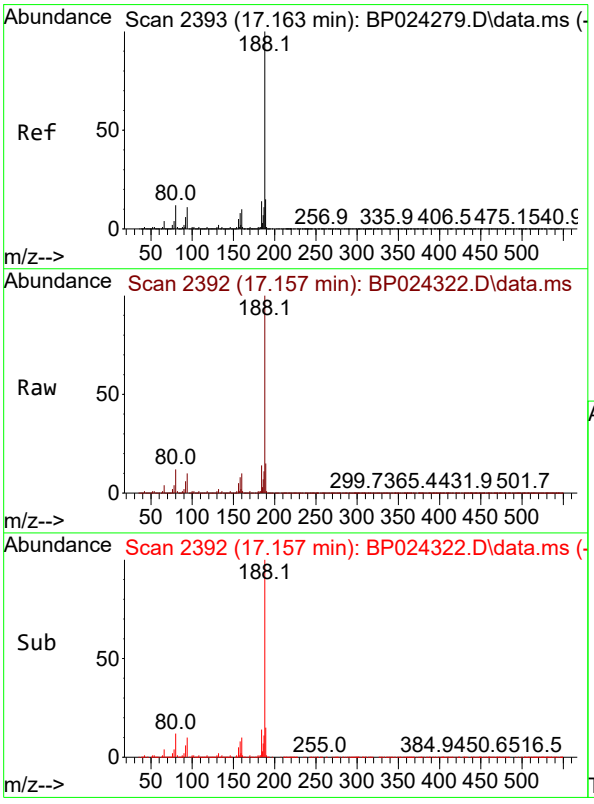
Ion	Ratio	Lower	Upper
77	100		
182	26.0	7.3	47.3
105	22.1	2.3	42.3
51	24.6	3.4	43.4



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
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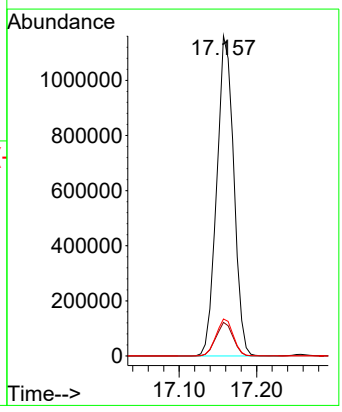
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

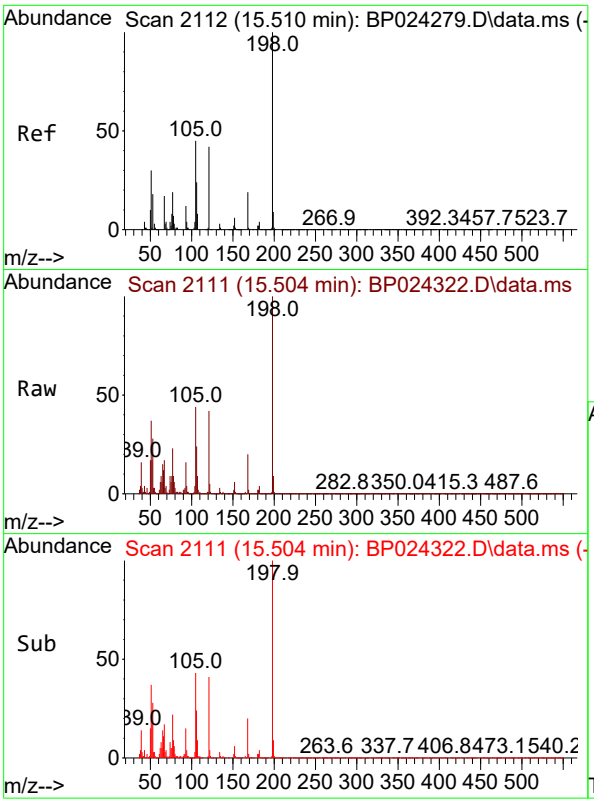


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2392
Delta R.T. -0.023 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:188 Resp: 1773496

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.6	13.0
80	11.6	9.8	14.6





#65
4,6-Dinitro-2-methylphenol
Concen: 47.684 ng
RT: 15.504 min Scan# 21
Delta R.T. -0.024 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

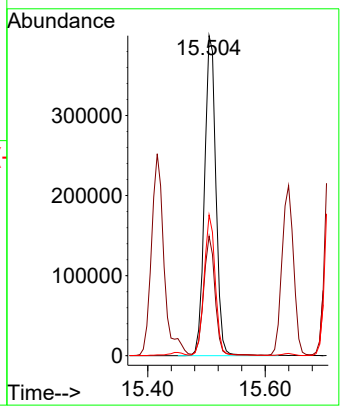
Tgt Ion:198 Resp: 533164

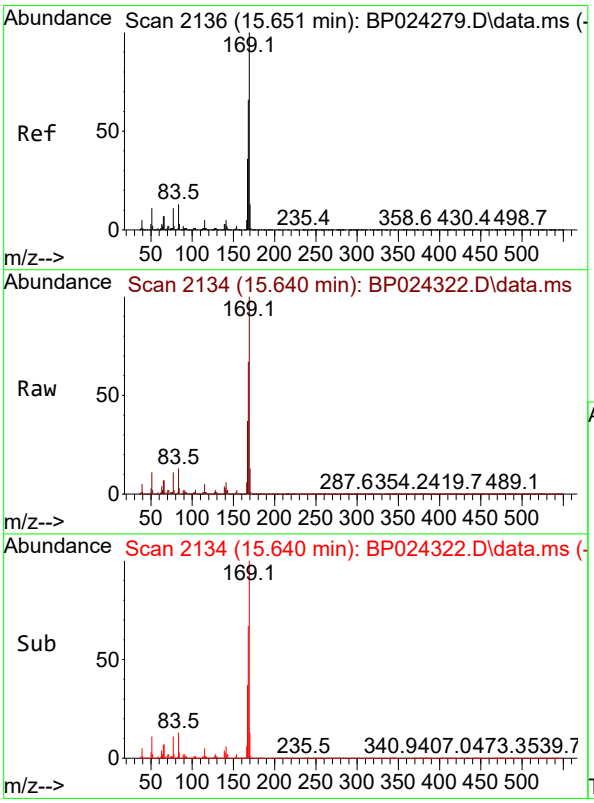
Ion	Ratio	Lower	Upper
198	100		
51	37.4	18.4	58.4
105	44.0	26.5	66.5

Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

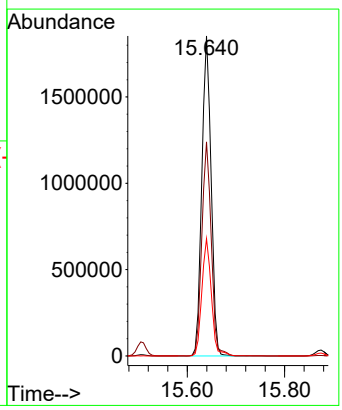


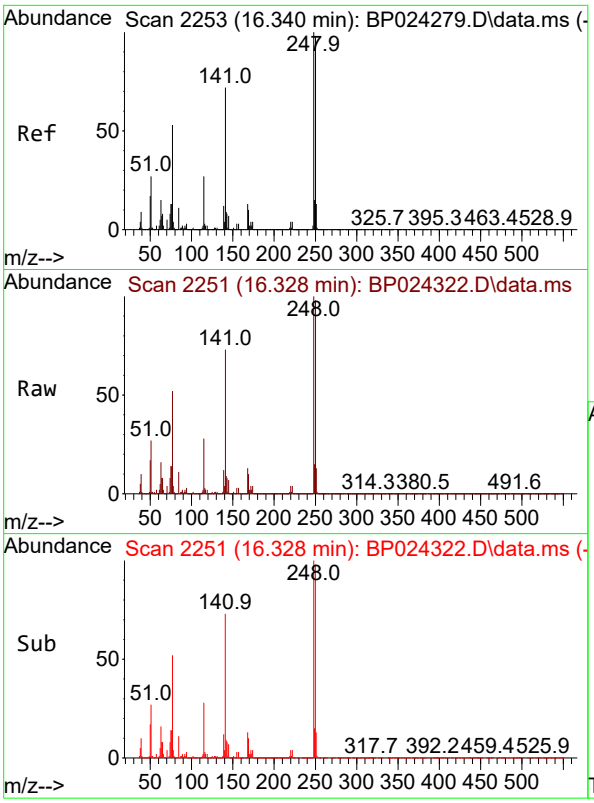


#66
n-Nitrosodiphenylamine
Concen: 46.225 ng
RT: 15.640 min Scan# 2134
Delta R.T. -0.017 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:169 Resp: 2446935

Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.0	79.4
167	36.7	28.9	43.3

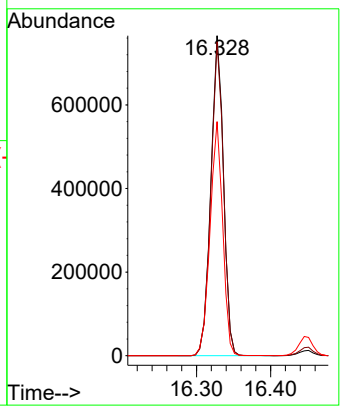




#67
4-Bromophenyl-phenylether
Concen: 46.668 ng
RT: 16.328 min Scan# 2
Delta R.T. -0.017 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:248 Resp: 90518

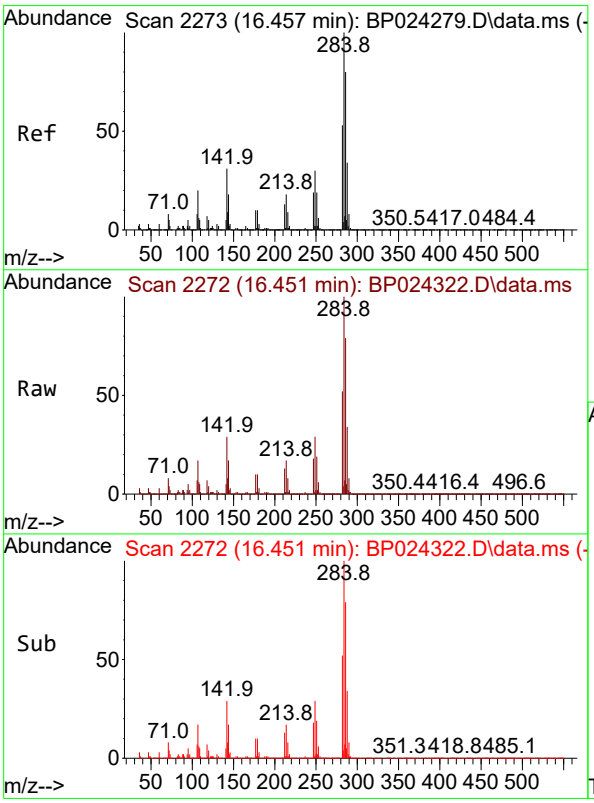
Ion	Ratio	Lower	Upper
248	100		
250	98.1	78.2	117.4
141	73.2	57.7	86.5



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
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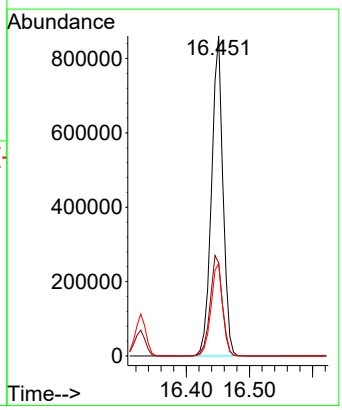
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

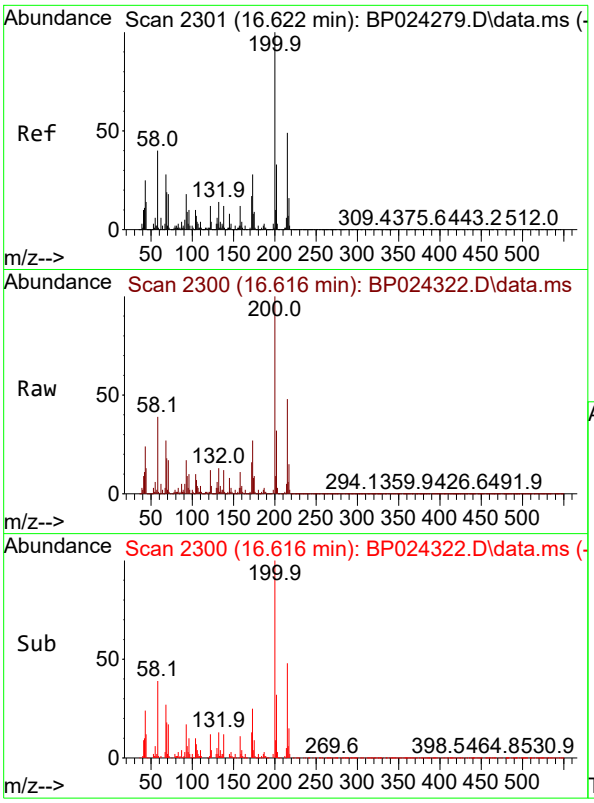


#68
Hexachlorobenzene
Concen: 46.772 ng
RT: 16.451 min Scan# 2272
Delta R.T. -0.017 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:284 Resp: 1078014

Ion	Ratio	Lower	Upper
284	100		
142	29.1	24.6	37.0
249	29.0	23.8	35.6

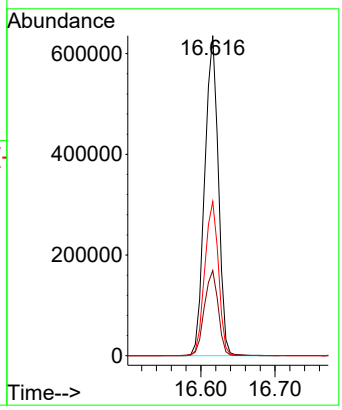




#69
Atrazine
Concen: 60.104 ng
RT: 16.616 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:200 Resp: 81031

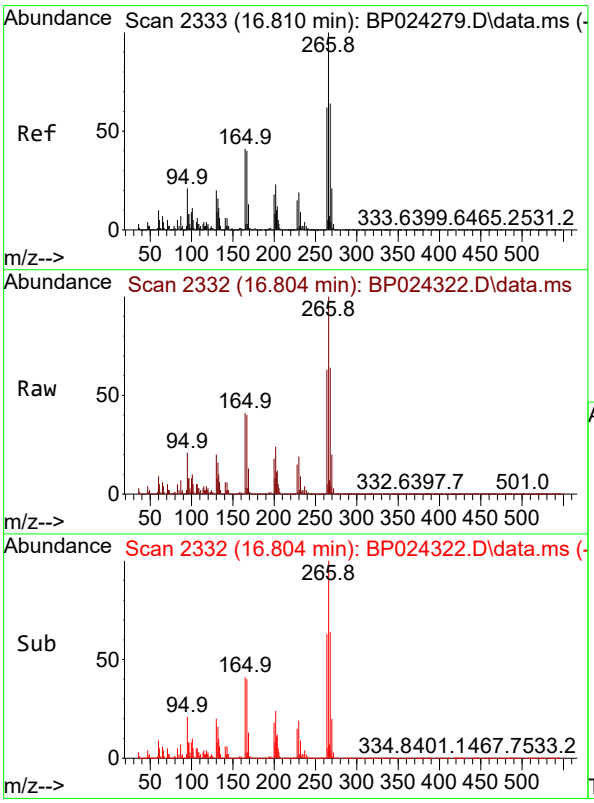
Ion	Ratio	Lower	Upper
200	100		
173	26.6	7.5	47.5
215	48.2	28.8	68.8



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
APPROVED

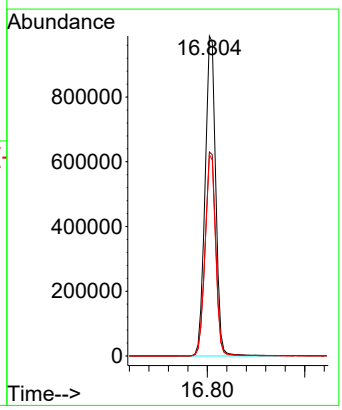
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

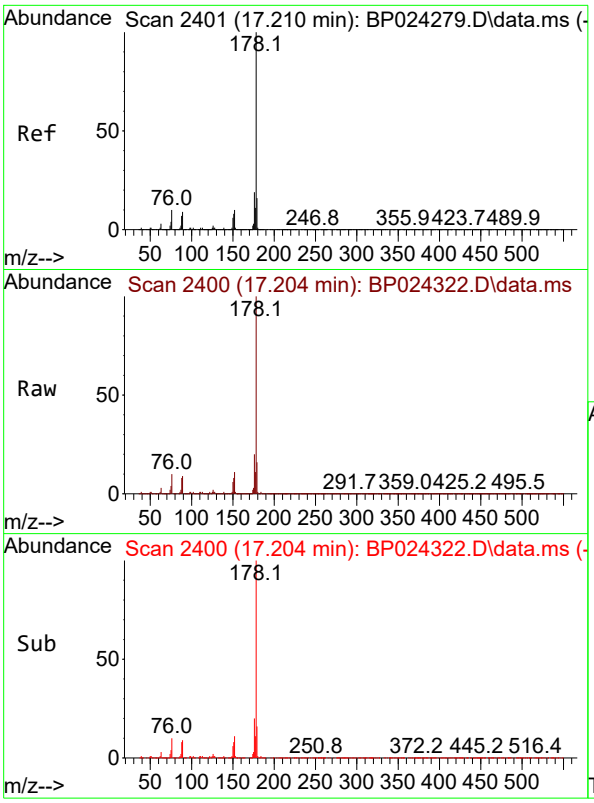


#70
Pentachlorophenol
Concen: 92.492 ng
RT: 16.804 min Scan# 2332
Delta R.T. -0.023 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:266 Resp: 1487194

Ion	Ratio	Lower	Upper
266	100		
268	63.7	51.0	76.6
264	62.9	49.8	74.6

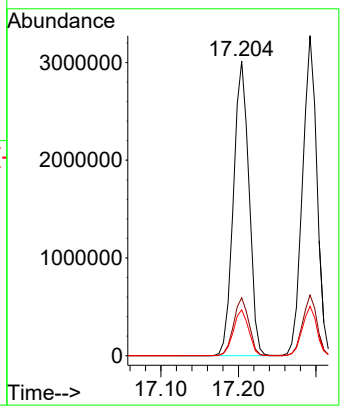




#71
Phenanthrene
Concen: 43.405 ng
RT: 17.204 min Scan# 24
Delta R.T. -0.023 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:178 Resp: 419936

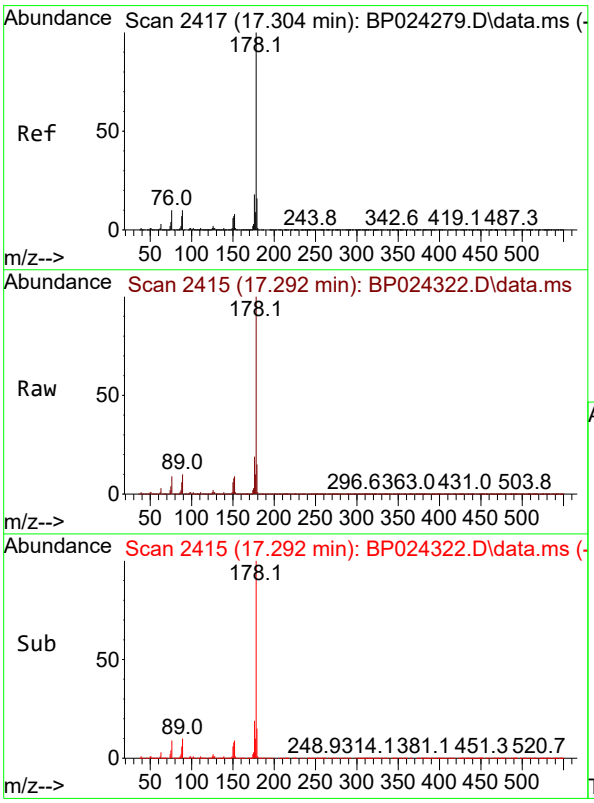
Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.0
179	15.6	12.5	18.7



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
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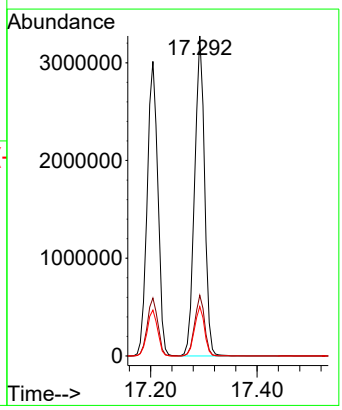
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

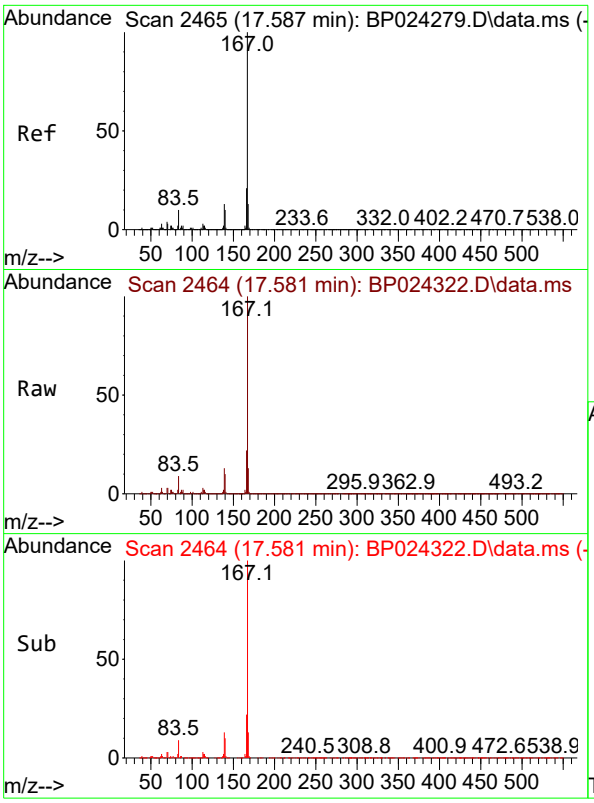


#72
Anthracene
Concen: 45.647 ng
RT: 17.292 min Scan# 2415
Delta R.T. -0.023 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:178 Resp: 4256425

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.7	22.1
179	15.4	12.4	18.6

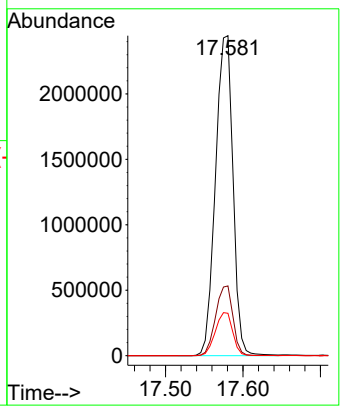




#73
Carbazole
Concen: 42.251 ng
RT: 17.581 min Scan# 24
Delta R.T. -0.023 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:167 Resp: 384946

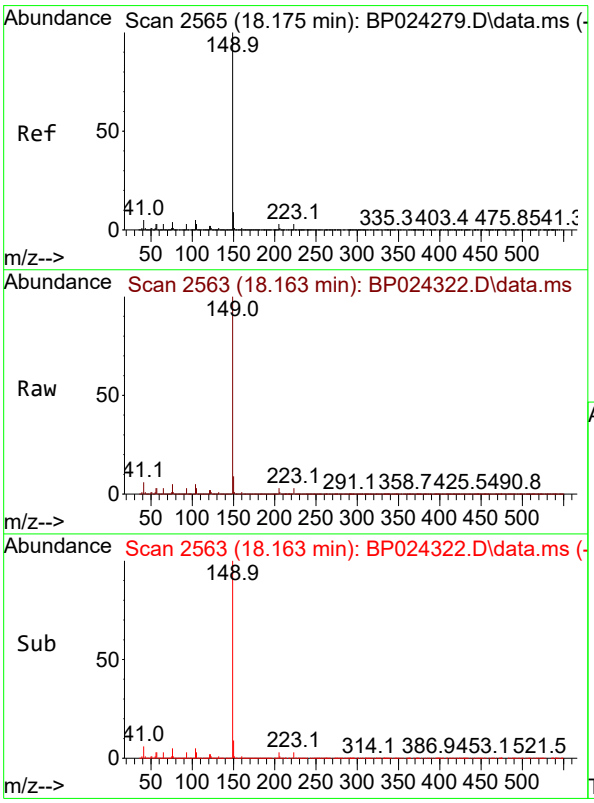
Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.1	25.7
139	13.2	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
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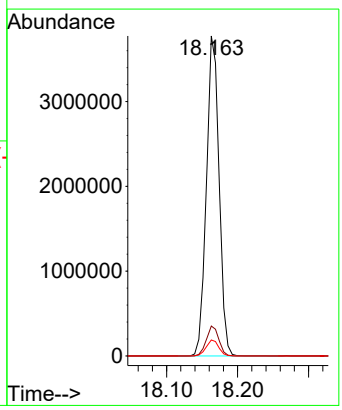
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

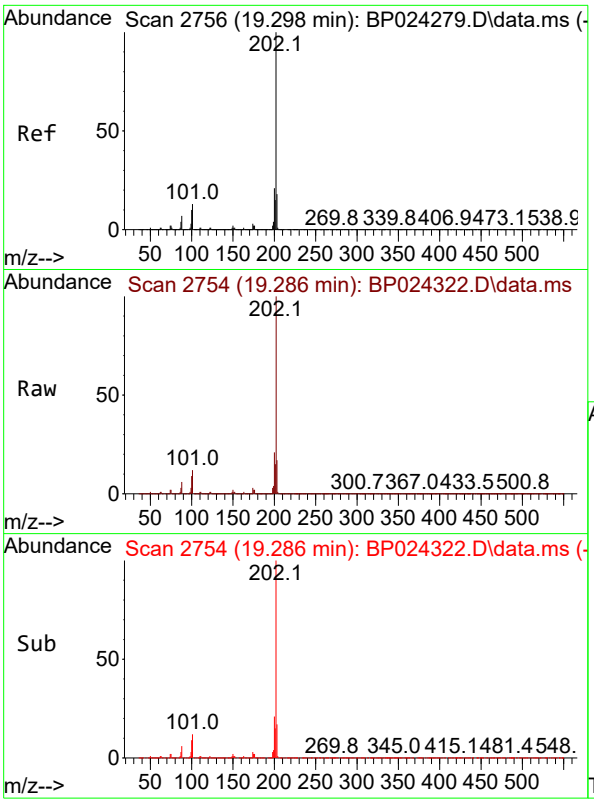


#74
Di-n-butylphthalate
Concen: 41.296 ng
RT: 18.163 min Scan# 2563
Delta R.T. -0.029 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:149 Resp: 4687484

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.0	3.9	5.9





#75
Fluoranthene
Concen: 38.675 ng
RT: 19.286 min Scan# 2
Delta R.T. -0.029 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

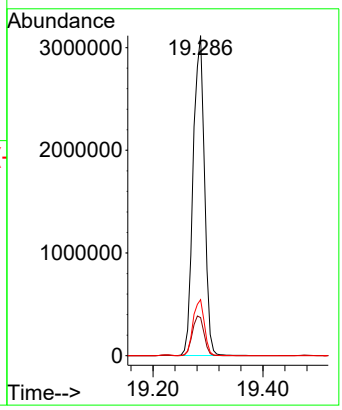
Tgt Ion:202 Resp: 445017

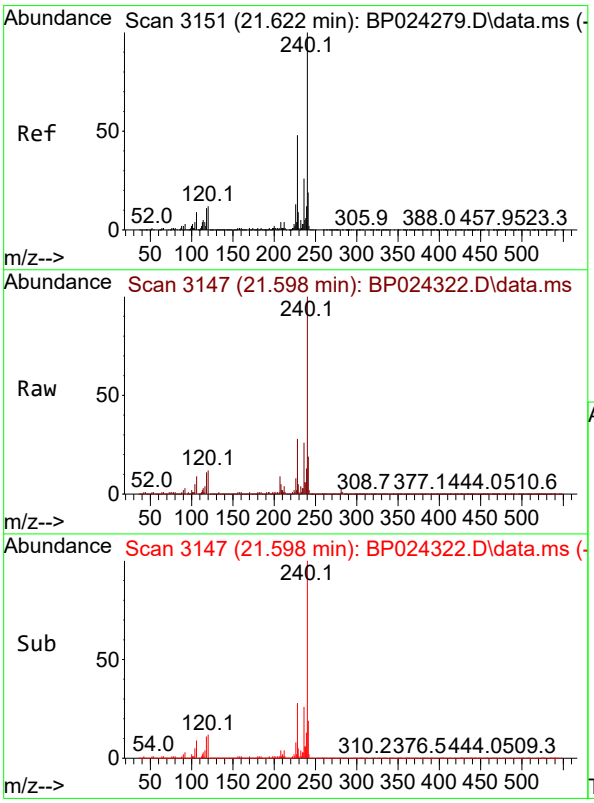
Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	33.2
203	17.5	0.0	37.7

Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

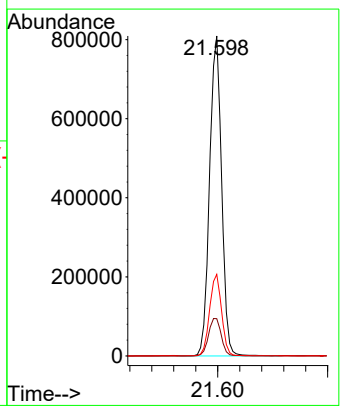


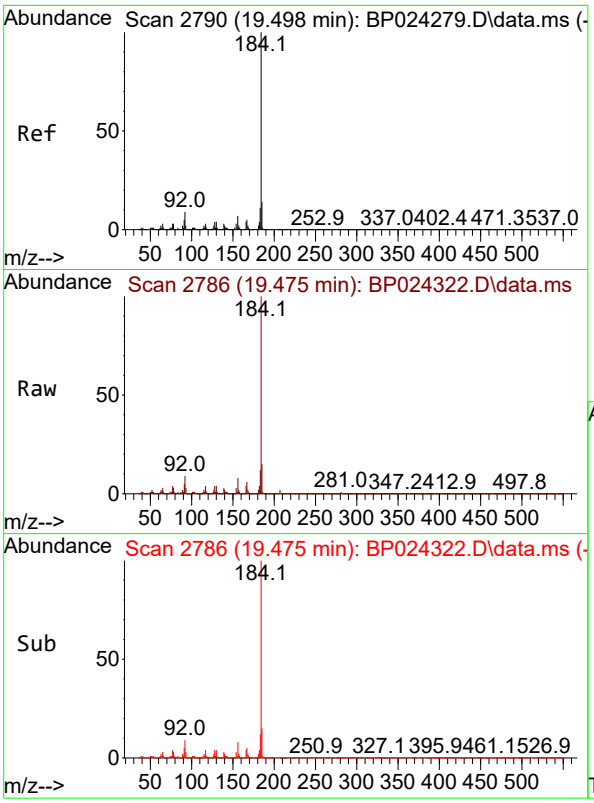


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.598 min Scan# 3147
Delta R.T. -0.023 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:240 Resp: 1227922

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.8	14.8
236	25.5	20.9	31.3





#77
Benzidine
Concen: 71.457 ng
RT: 19.475 min Scan# 2
Delta R.T. -0.035 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

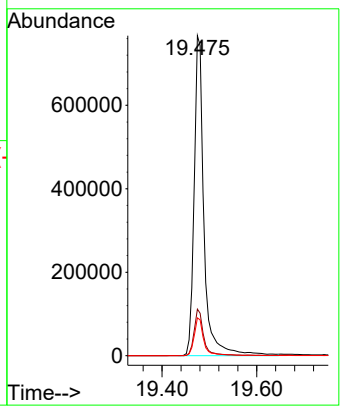
Tgt Ion:184 Resp: 111222

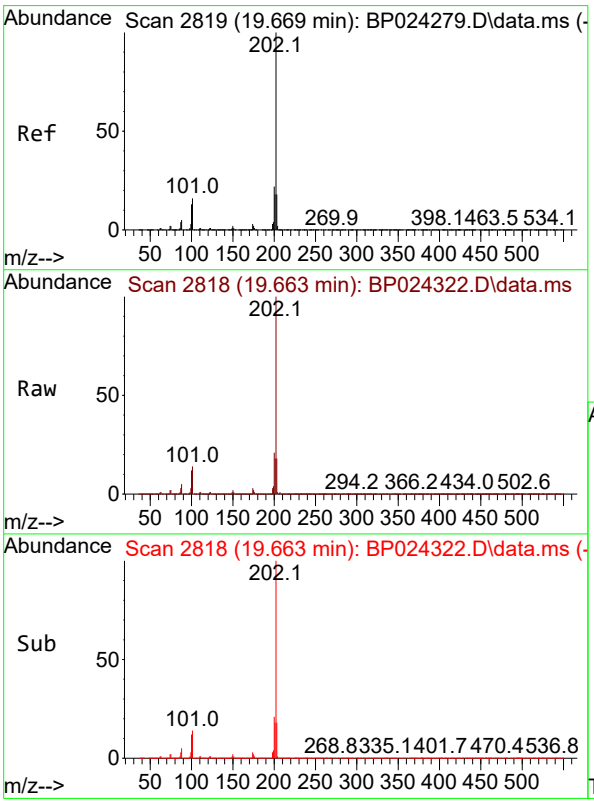
Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.6	17.4
183	11.8	9.2	13.8

Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

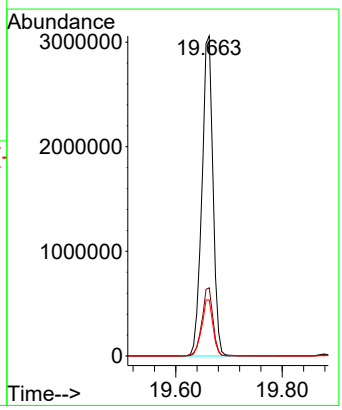


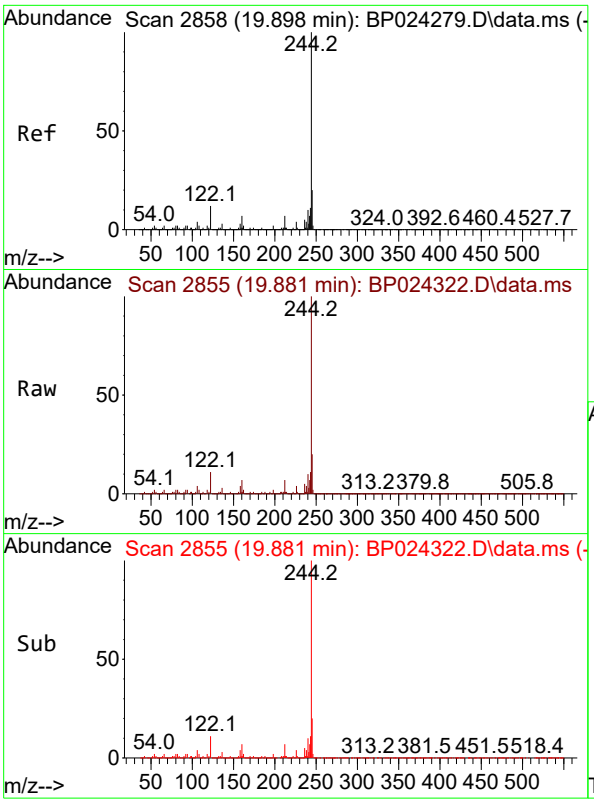


#78
Pyrene
Concen: 56.291 ng
RT: 19.663 min Scan# 2818
Delta R.T. -0.023 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:202 Resp: 4392711

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.2	25.8
203	17.5	14.4	21.6





#79
Terphenyl-d14
Concen: 109.054 ng
RT: 19.881 min Scan# 2
Delta R.T. -0.041 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

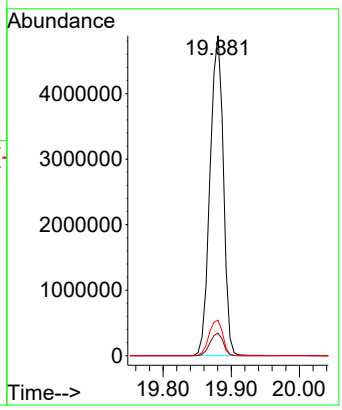
Tgt Ion:244 Resp: 664355

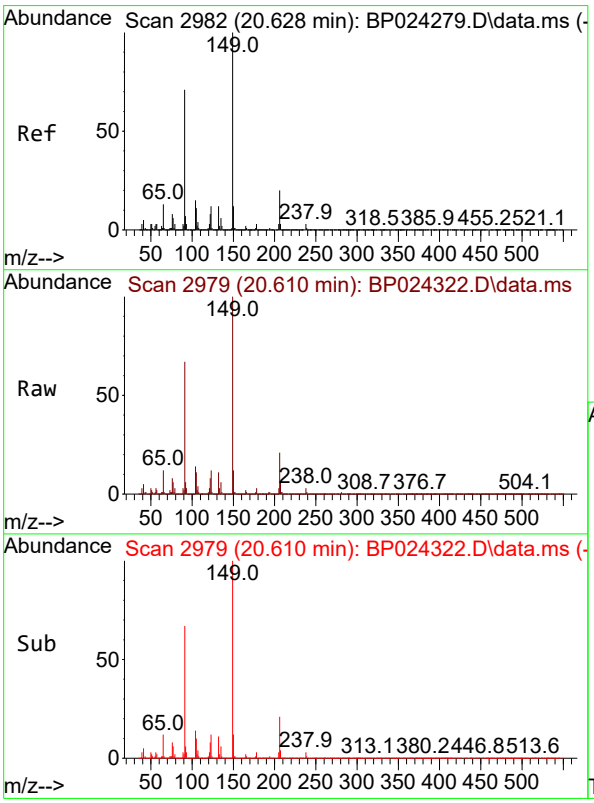
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	11.1	9.4	14.0

Instrument :
BNA_P
ClientSampleId :
PB167564BS

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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

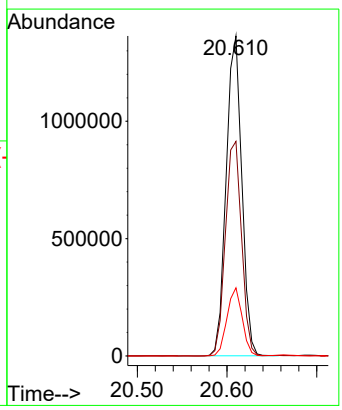


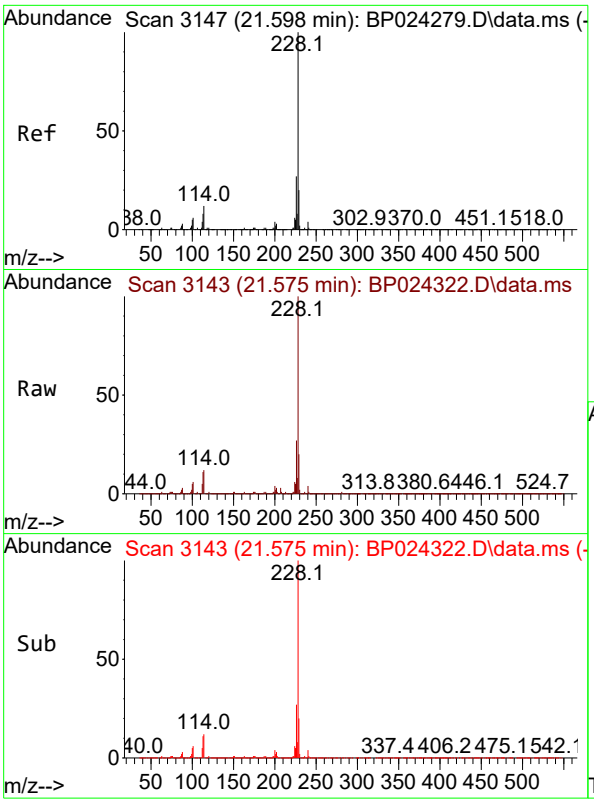


#80
Butylbenzylphthalate
Concen: 49.293 ng
RT: 20.610 min Scan# 2979
Delta R.T. -0.035 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:149 Resp: 1647590

Ion	Ratio	Lower	Upper
149	100		
91	67.0	56.4	84.6
206	21.3	16.3	24.5

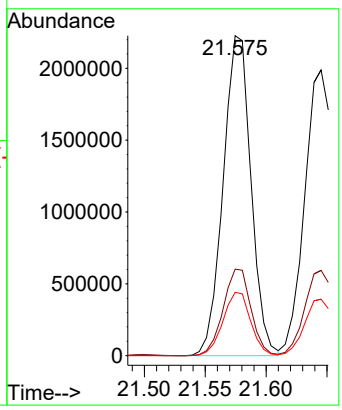




#81
Benzo(a)anthracene
Concen: 46.421 ng
RT: 21.575 min Scan# 3
Delta R.T. -0.029 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:228 Resp: 354296

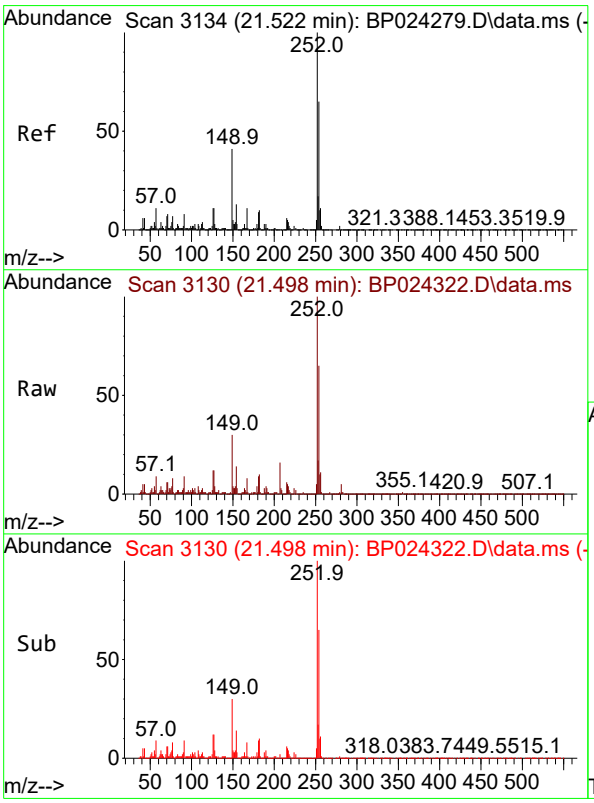
Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.8	32.8
229	19.8	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
APPROVED

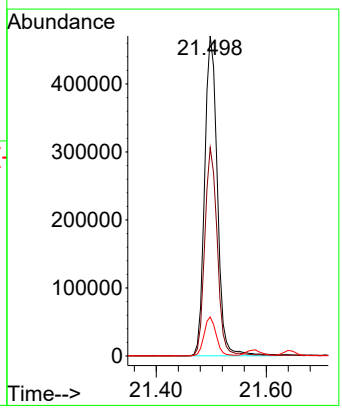
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

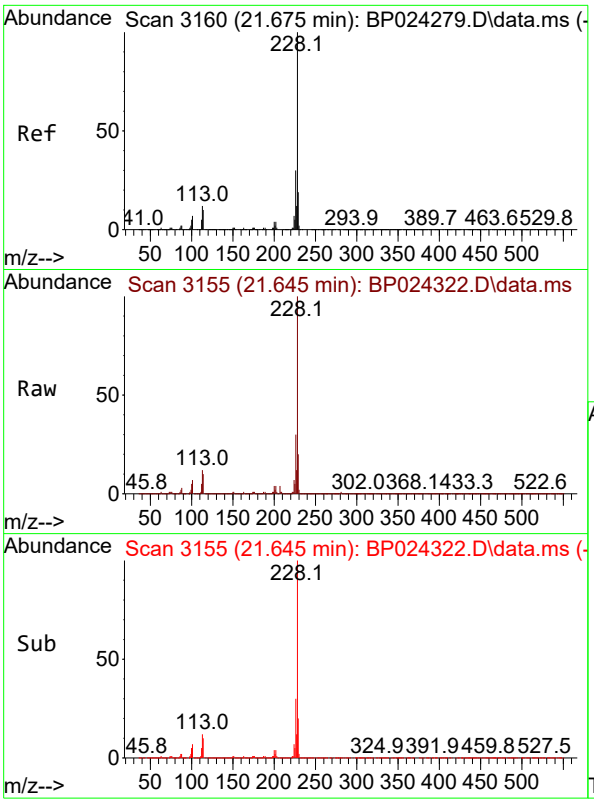


#82
3,3'-Dichlorobenzidine
Concen: 28.177 ng
RT: 21.498 min Scan# 3130
Delta R.T. -0.041 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:252 Resp: 754814

Ion	Ratio	Lower	Upper
252	100		
254	65.1	51.7	77.5
126	12.2	8.8	13.2

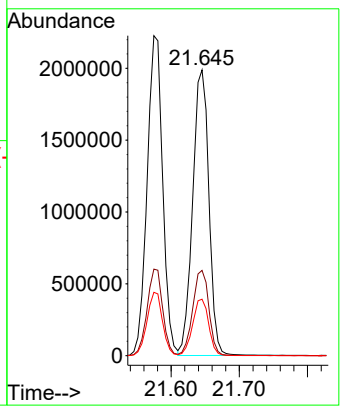




#83
Chrysene
Concen: 44.801 ng
RT: 21.645 min Scan# 3
Delta R.T. -0.035 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:228 Resp: 327591

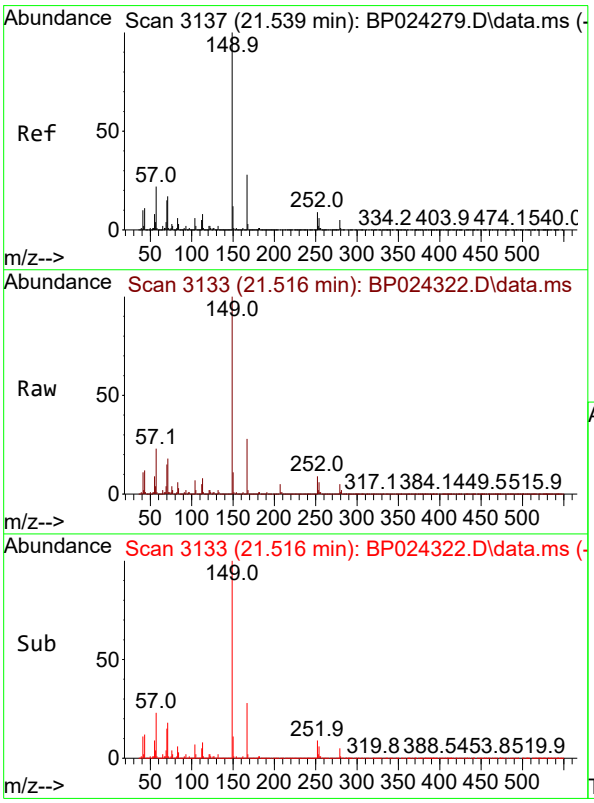
Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.2	36.2
229	19.8	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
APPROVED

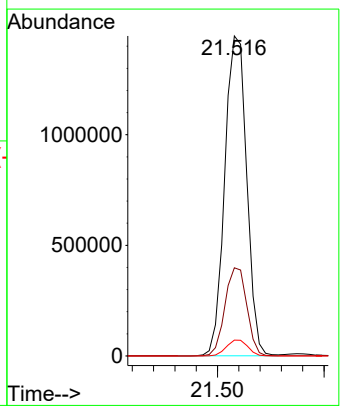
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

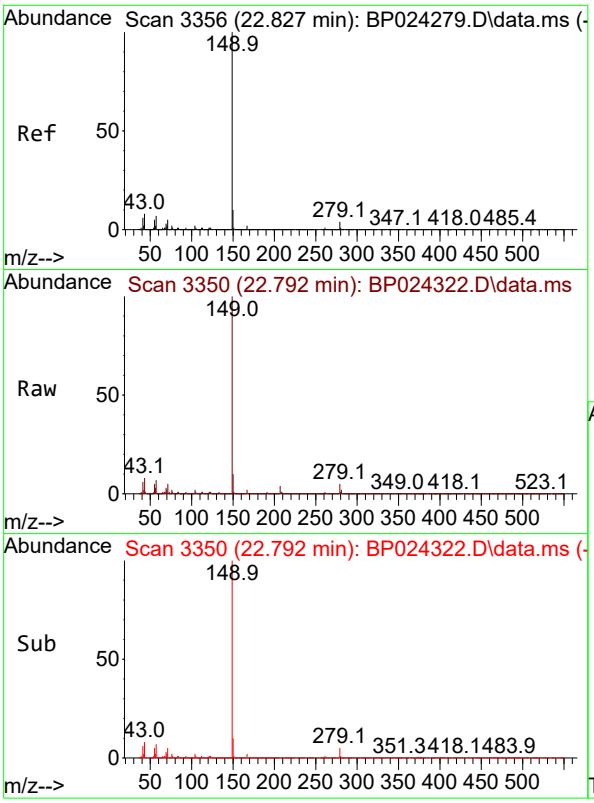


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.157 ng
RT: 21.516 min Scan# 3133
Delta R.T. -0.029 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:149 Resp: 2065674

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.4	33.6
279	4.9	4.0	6.0

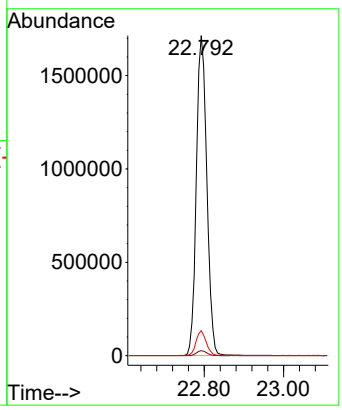




#85
Di-n-octyl phthalate
Concen: 39.295 ng
RT: 22.792 min Scan# 3
Delta R.T. -0.041 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:149 Resp: 313015

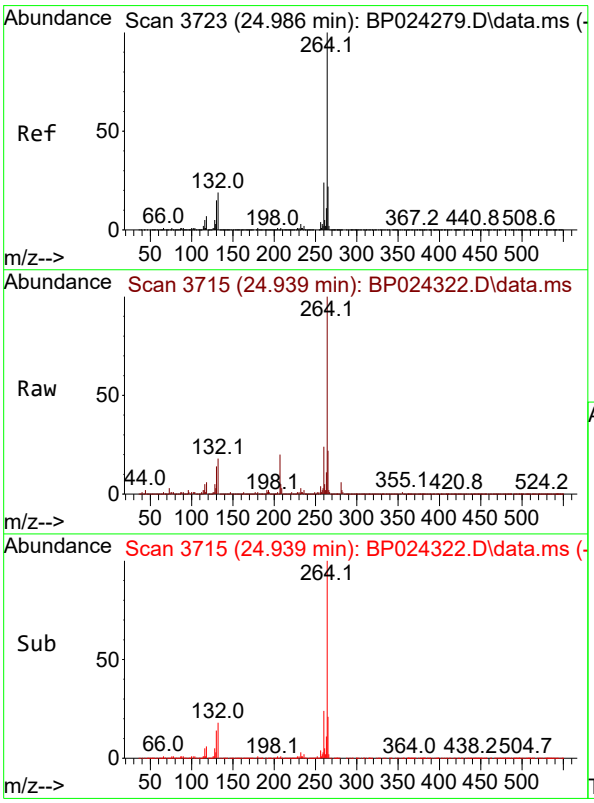
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	7.5	6.0	9.0



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
APPROVED

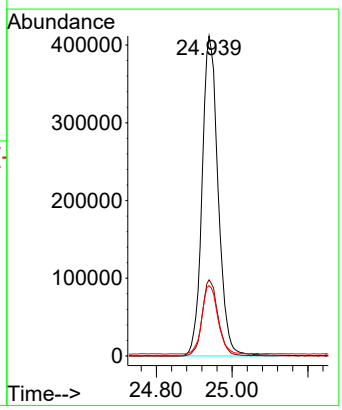
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

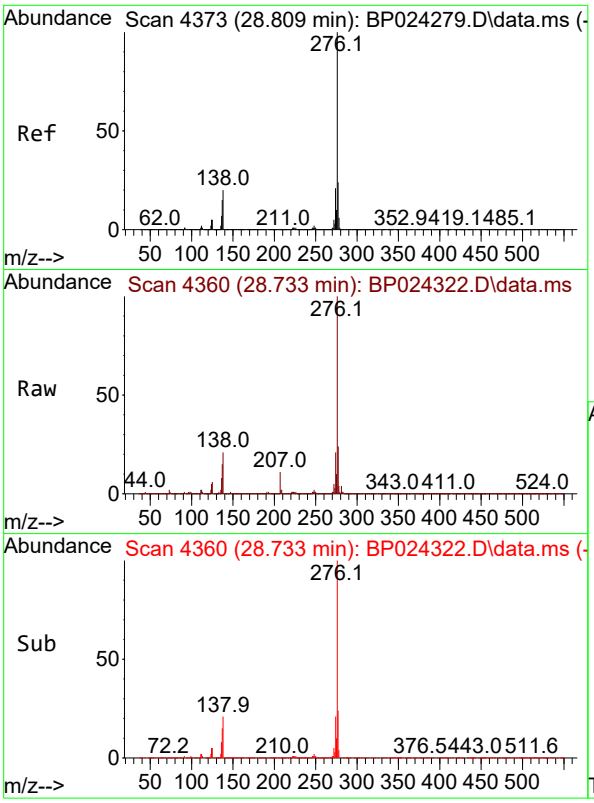


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.939 min Scan# 3715
Delta R.T. -0.047 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:264 Resp: 1207867

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	22.0	17.8	26.6

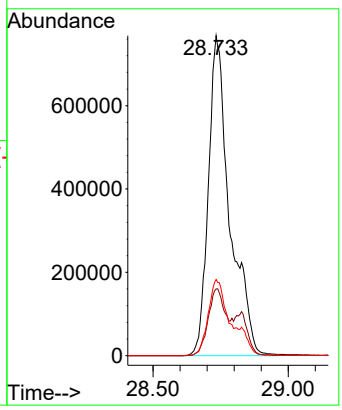




#87
Indeno(1,2,3-cd)pyrene
Concen: 50.388 ng
RT: 28.733 min Scan# 4
Delta R.T. -0.082 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:276 Resp: 422528

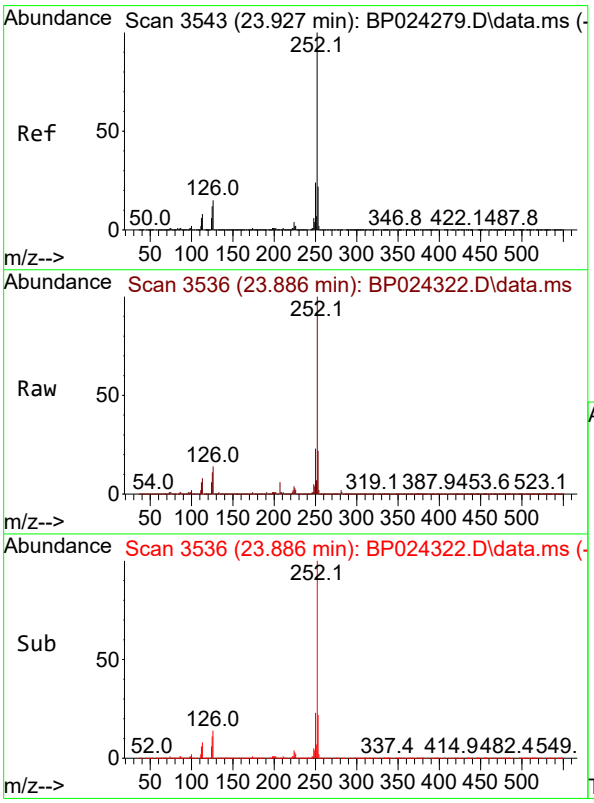
Ion	Ratio	Lower	Upper
276	100		
138	17.1	14.5	21.7
277	22.3	20.2	30.2



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
APPROVED

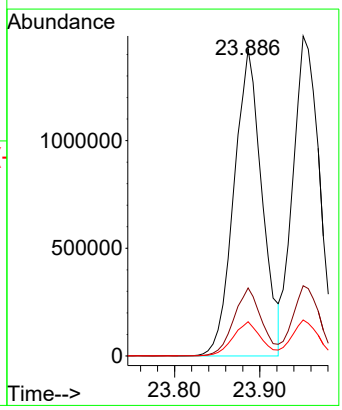
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

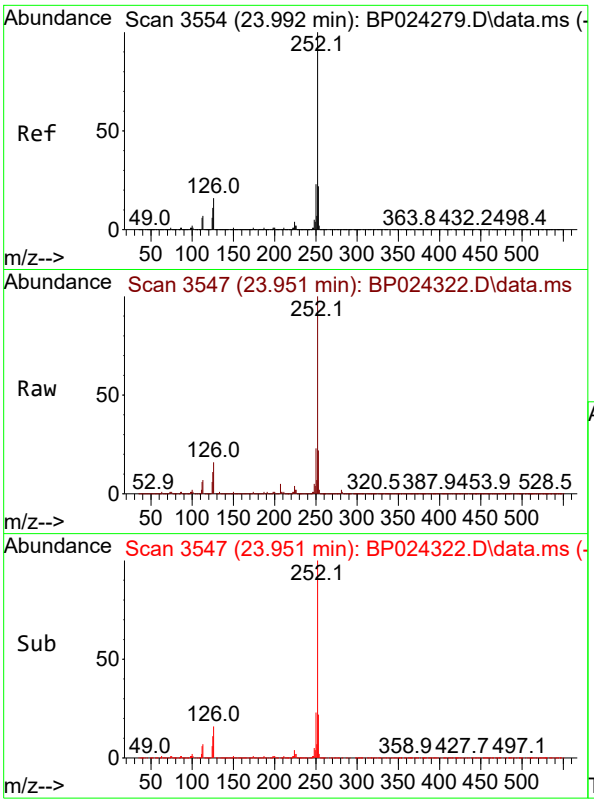


#88
Benzo(b)fluoranthene
Concen: 44.922 ng
RT: 23.886 min Scan# 3536
Delta R.T. -0.047 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:252 Resp: 3252383

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	11.2	9.4	14.0

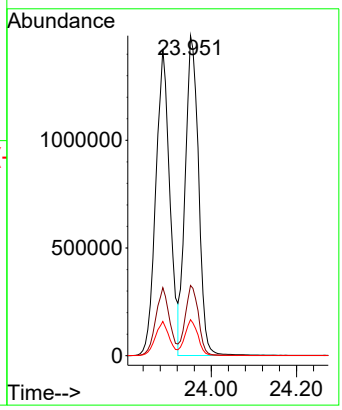




#89
Benzo(k)fluoranthene
Concen: 45.930 ng
RT: 23.951 min Scan# 3
Delta R.T. -0.047 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:252 Resp: 321211

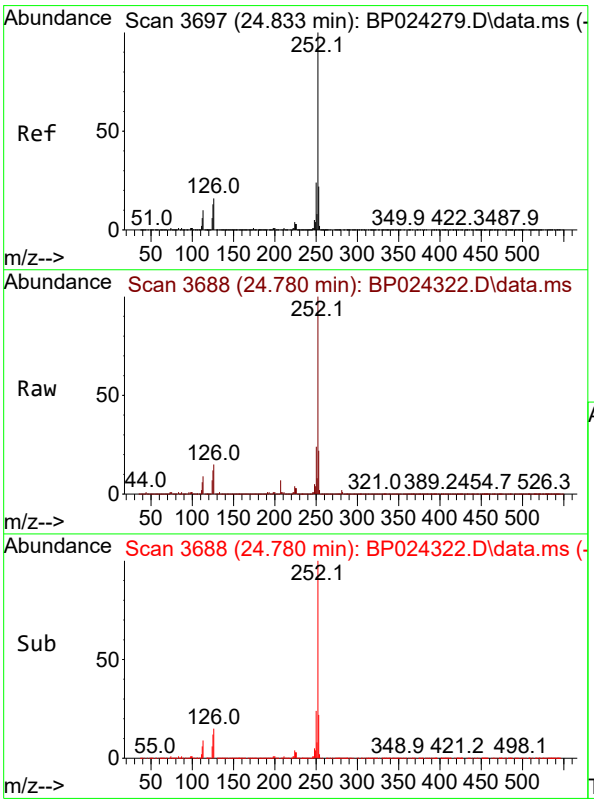
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	11.3	9.1	13.7



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
APPROVED

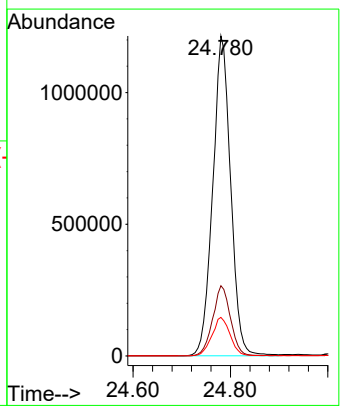
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

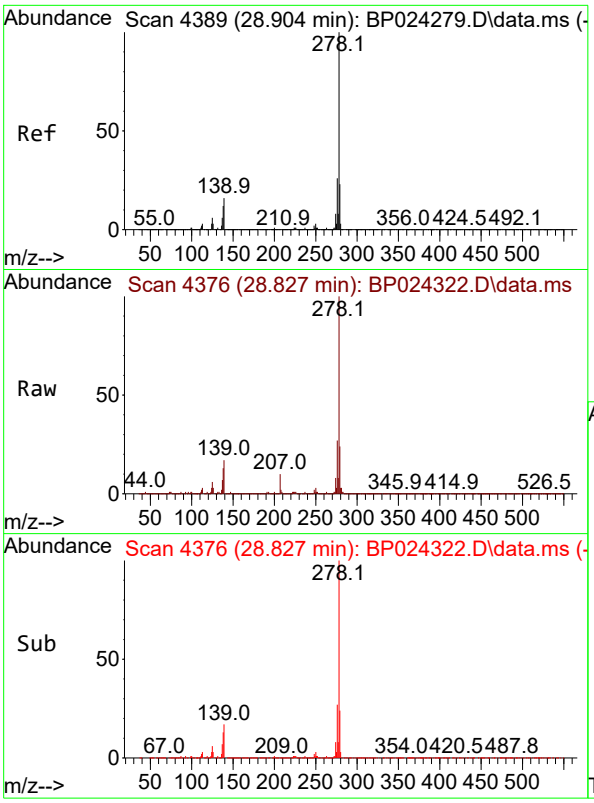


#90
Benzo(a)pyrene
Concen: 49.635 ng
RT: 24.780 min Scan# 3688
Delta R.T. -0.053 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:252 Resp: 3099830

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	12.1	10.1	15.1

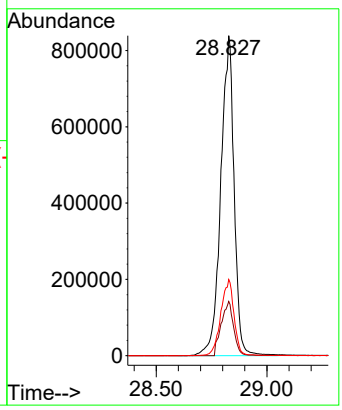




#91
Dibenzo(a,h)anthracene
Concen: 50.449 ng
RT: 28.827 min Scan# 4
Delta R.T. -0.059 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:278 Resp: 351140

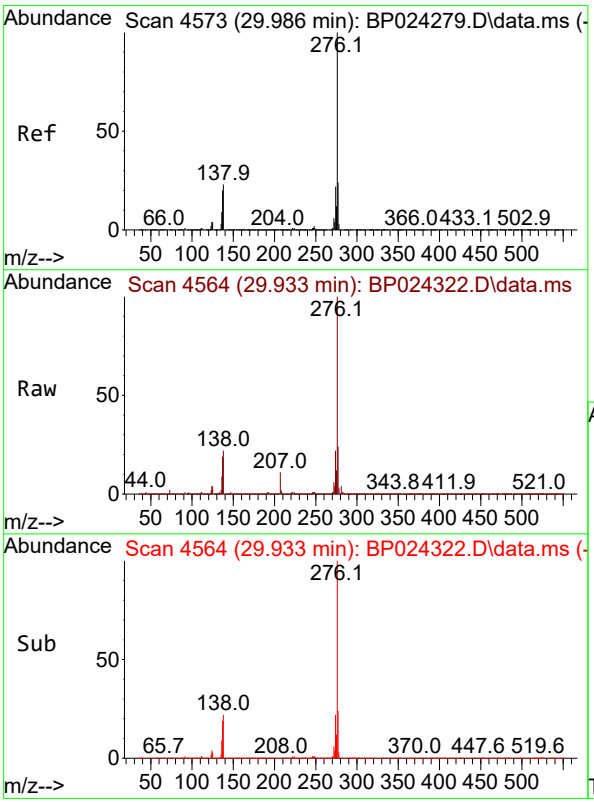
Ion	Ratio	Lower	Upper
278	100		
139	16.9	12.6	19.0
279	23.8	18.5	27.7



Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations
APPROVED

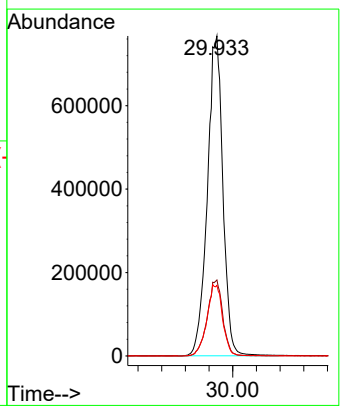
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#92
Benzo(g,h,i)perylene
Concen: 49.155 ng
RT: 29.933 min Scan# 4564
Delta R.T. -0.065 min
Lab File: BP024322.D
Acq: 17 Apr 2025 11:51

Tgt Ion:276 Resp: 3482393

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.9	28.3
138	22.1	18.7	28.1



Raw Data: **BP024323.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:	ANN	Date Received:	
Client Sample ID:	PB167564BSD	SDG No.:	Q1762
Lab Sample ID:	PB167564BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024323.D	1	04/11/25 08:32	04/17/25 12:32	PB167564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	21.3		3.90	10.0	ug/L
108-95-2	Phenol	51.0		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.9		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	50.1		0.58	5.00	ug/L
95-48-7	2-Methylphenol	54.1		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	47.4		1.30	5.00	ug/L
98-86-2	Acetophenone	44.7		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	53.4		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	46.3		1.40	2.50	ug/L
67-72-1	Hexachloroethane	46.5		0.65	5.00	ug/L
98-95-3	Nitrobenzene	45.8		0.76	5.00	ug/L
78-59-1	Isophorone	49.9		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	50.0		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	71.6		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	46.7		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	52.3		0.52	5.00	ug/L
91-20-3	Naphthalene	43.6		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	19.9		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	46.2		0.54	5.00	ug/L
105-60-2	Caprolactam	53.3		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	52.6		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	41.1		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	170	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	50.5		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	51.5		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	44.2		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	45.0		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	51.8		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	47.8		0.61	5.00	ug/L

Raw Data: **BP024323.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:	ANN	Date Received:	
Client Sample ID:	PB167564BSD	SDG No.:	Q1762
Lab Sample ID:	PB167564BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024323.D	1	04/11/25 08:32	04/17/25 12:32	PB167564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	49.4		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	50.8		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	30.6		1.10	5.00	ug/L
83-32-9	Acenaphthene	44.2		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	120	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	110	E	2.40	10.0	ug/L
132-64-9	Dibenzofuran	43.6		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	53.4		1.20	5.00	ug/L
84-66-2	Diethylphthalate	47.6		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	46.8		0.68	5.00	ug/L
86-73-7	Fluorene	46.3		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	50.4		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	51.0		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	46.6		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	47.5		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	47.7		0.52	5.00	ug/L
1912-24-9	Atrazine	67.9		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	100	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	45.2		0.50	5.00	ug/L
120-12-7	Anthracene	48.1		0.61	5.00	ug/L
86-74-8	Carbazole	48.3		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	49.0		1.20	5.00	ug/L
206-44-0	Fluoranthene	46.5		0.82	5.00	ug/L
129-00-0	Pyrene	45.9		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	51.4		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	31.7		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	47.6		0.45	5.00	ug/L
218-01-9	Chrysene	45.9		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	49.0		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	49.2		0.49	5.00	ug/L

Raw Data: **BP024323.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:	ANN			Date Received:	
Client Sample ID:	PB167564BSD			SDG No.:	Q1762
Lab Sample ID:	PB167564BSD			Matrix:	Water
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024323.D	1	04/11/25 08:32	04/17/25 12:32	PB167564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	49.4		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	52.0		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	41.9		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	41.9		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	38.7		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	44.3		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	34.3		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	50.1		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	143		15 (10) - 110 (139)	95%	SPK: 150
13127-88-3	Phenol-d6	137		15 (10) - 110 (134)	92%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.8		30 (49) - 130 (133)	89%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.7		30 (52) - 130 (132)	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	151		15 (44) - 110 (137)	101%	SPK: 150
1718-51-0	Terphenyl-d14	90.3		30 (48) - 130 (125)	90%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	303000	7.728			
1146-65-2	Naphthalene-d8	1310000	10.504			
15067-26-2	Acenaphthene-d10	876000	14.363			
1517-22-2	Phenanthrene-d10	1840000	17.157			
1719-03-5	Chrysene-d12	1940000	21.604			
1520-96-3	Perylene-d12	1920000	24.945			

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\BP041725\
Data File : BP024323.D
Acq On : 17 Apr 2025 12:32
Operator : RC/JU
Sample : PB167564BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 17 12:56:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	302883	20.000	ng	0.02
21) Naphthalene-d8	10.504	136	1314398	20.000	ng	0.02
39) Acenaphthene-d10	14.363	164	875504	20.000	ng	0.01
64) Phenanthrene-d10	17.157	188	1837449	20.000	ng	0.00
76) Chrysene-d12	21.604	240	1940224	20.000	ng	0.00
86) Perylene-d12	24.945	264	1918974	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	2617757	142.905	ng	0.01
7) Phenol-d6	6.916	99	3442715	137.254	ng	0.02
23) Nitrobenzene-d5	8.881	82	2046050	88.762	ng	0.02
42) 2,4,6-Tribromophenol	15.875	330	1831246	151.179	ng	0.00
45) 2-Fluorobiphenyl	12.969	172	4841796	84.675	ng	0.00
79) Terphenyl-d14	19.886	244	8693032	90.309	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.293	88	266140	34.349	ng	97
3) Pyridine	3.681	79	729195	35.641	ng	98
4) n-Nitrosodimethylamine	3.593	42	304169	44.796	ng	96
6) Aniline	7.069	93	977592	43.616	ng	100
8) 2-Chlorophenol	7.299	128	1025260	50.130	ng	100
9) Benzaldehyde	6.875	77	263741	21.257	ng	100
10) Phenol	6.940	94	1284161	51.036	ng	97
11) bis(2-Chloroethyl)ether	7.158	93	909275	44.852	ng	99
12) 1,3-Dichlorobenzene	7.616	146	982467	44.621	ng	99
13) 1,4-Dichlorobenzene	7.763	146	1007346	45.092	ng	99
14) 1,2-Dichlorobenzene	8.075	146	982429	45.542	ng	100
15) Benzyl Alcohol	7.969	79	828445	51.072	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.246	45	1038203	47.378	ng	100
17) 2-Methylphenol	8.169	107	881157	54.134	ng	98
18) Hexachloroethane	8.793	117	375219	46.475	ng	99
19) n-Nitroso-di-n-propyla...	8.528	70	718298	46.289	ng	99
20) 3+4-Methylphenols	8.493	107	1206984	53.441	ng	99
22) Acetophenone	8.546	105	1455151	44.730	ng	100
24) Nitrobenzene	8.922	77	1045345	45.842	ng	100
25) Isophorone	9.440	82	2080987	49.875	ng	100
26) 2-Nitrophenol	9.622	139	557908	49.995	ng	99
27) 2,4-Dimethylphenol	9.687	122	1003038	71.584	ng	98
28) bis(2-Chloroethoxy)met...	9.916	93	1315176	46.660	ng	99
29) 2,4-Dichlorophenol	10.163	162	998582	52.267	ng	99
30) 1,2,4-Trichlorobenzene	10.363	180	938774	45.861	ng	99
31) Naphthalene	10.557	128	3017816	43.586	ng	99
32) Benzoic acid	9.857	122	835098m	51.148	ng	
33) 4-Chloroaniline	10.657	127	484538	19.872	ng	99
34) Hexachlorobutadiene	10.840	225	555424	46.175	ng	99
35) Caprolactam	11.469	113	376079m	53.348	ng	
36) 4-Chloro-3-methylphenol	11.799	107	1170976	52.620	ng	99
37) 2-Methylnaphthalene	12.163	142	1971746	41.063	ng	98
38) 1-Methylnaphthalene	12.387	142	2095327	44.606	ng	99
40) 1,2,4,5-Tetrachloroben...	12.540	216	1066625	44.301	ng	99
41) Hexachlorocyclopentadiene	12.522	237	1464235	171.955	ng	99
43) 2,4,6-Trichlorophenol	12.787	196	808151	50.486	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024323.D
Acq On : 17 Apr 2025 12:32
Operator : RC/JU
Sample : PB167564BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 17 12:56:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	2,4,5-Trichlorophenol	12.857	196	913031	51.508	ng	99
46)	1,1'-Biphenyl	13.181	154	2841421	44.153	ng	99
47)	2-Chloronaphthalene	13.228	162	2163828	44.988	ng	99
48)	2-Nitroaniline	13.434	65	698909	51.804	ng	99
49)	Acenaphthylene	14.081	152	3739262	49.379	ng	100
50)	Dimethylphthalate	13.822	163	3042218	47.782	ng	99
51)	2,6-Dinitrotoluene	13.934	165	686987	50.813	ng	97
52)	Acenaphthene	14.428	154	2121498	44.191	ng	100
53)	3-Nitroaniline	14.269	138	434239	30.560	ng	98
54)	2,4-Dinitrophenol	14.487	184	930798	116.879	ng	100
55)	Dibenzofuran	14.763	168	3422328	43.612	ng	99
56)	4-Nitrophenol	14.598	139	1367153	111.403	ng	98
57)	2,4-Dinitrotoluene	14.740	165	985672	53.445	ng	97
58)	Fluorene	15.428	166	2815136	46.341	ng	99
59)	2,3,4,6-Tetrachlorophenol	14.998	232	819400	50.120	ng	99
60)	Diethylphthalate	15.198	149	3121191	47.571	ng	99
61)	4-Chlorophenyl-phenyle...	15.416	204	1380633	46.802	ng	99
62)	4-Nitroaniline	15.451	138	757647	50.367	ng	96
63)	Azobenzene	15.716	77	2779156	46.085	ng	99
65)	4,6-Dinitro-2-methylph...	15.510	198	590845	51.003	ng	99
66)	n-Nitrosodiphenylamine	15.639	169	2553196	46.554	ng	99
67)	4-Bromophenyl-phenylether	16.328	248	955330	47.539	ng	98
68)	Hexachlorobenzene	16.445	284	1138569	47.680	ng	98
69)	Atrazine	16.622	200	948667	67.916	ng	99
70)	Pentachlorophenol	16.804	266	1667730	100.110	ng	98
71)	Phenanthrene	17.204	178	4526959	45.162	ng	100
72)	Anthracene	17.292	178	4645447	48.085	ng	99
73)	Carbazole	17.581	167	4558890	48.296	ng	99
74)	Di-n-butylphthalate	18.169	149	5765574	49.026	ng	100
75)	Fluoranthene	19.292	202	5545317	46.515	ng	99
77)	Benzidine	19.486	184	1998211	81.248	ng	100
78)	Pyrene	19.669	202	5661848	45.918	ng	100
80)	Butylbenzylphthalate	20.616	149	2712595	51.361	ng	96
81)	Benzo(a)anthracene	21.580	228	5744445	47.634	ng	100
82)	3,3'-Dichlorobenzidine	21.498	252	1340459	31.668	ng	100
83)	Chrysene	21.651	228	5299827	45.871	ng	100
84)	Bis(2-ethylhexyl)phtha...	21.522	149	3796363	49.034	ng	99
85)	Di-n-octyl phthalate	22.798	149	6244844	49.614	ng	99
87)	Indeno(1,2,3-cd)pyrene	28.756	276	5581645	41.897	ng	94
88)	Benzo(b)fluoranthene	23.898	252	5657100	49.181	ng	99
89)	Benzo(k)fluoranthene	23.968	252	5487531	49.389	ng	100
90)	Benzo(a)pyrene	24.792	252	5161830	52.024	ng	99
91)	Dibenzo(a,h)anthracene	28.827	278	4627739	41.850	ng	99
92)	Benzo(g,h,i)perylene	29.927	276	4356459	38.705	ng	99

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

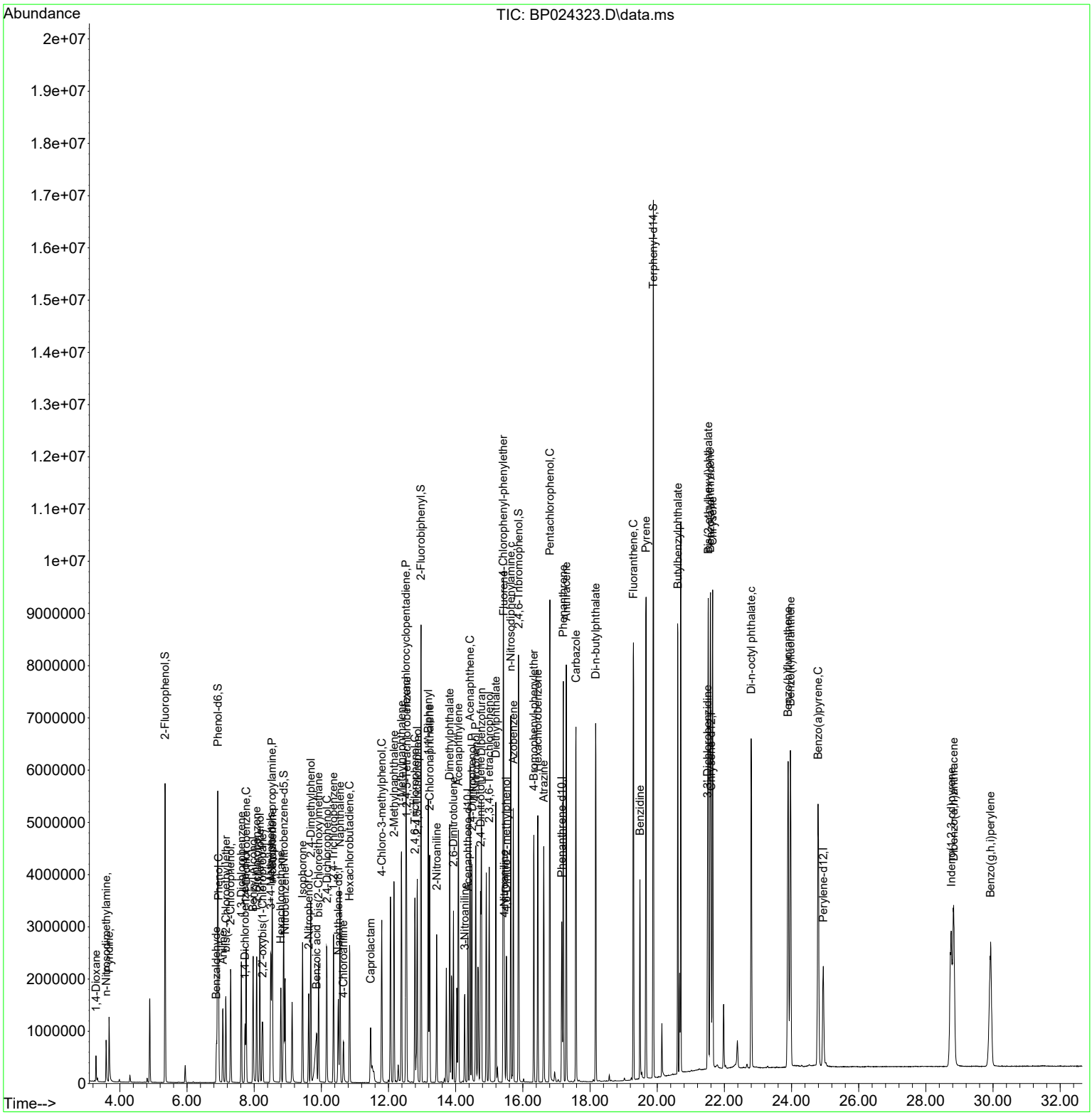
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Data File : BP024323.D
Acq On : 17 Apr 2025 12:32
Operator : RC/JU
Sample : PB167564BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

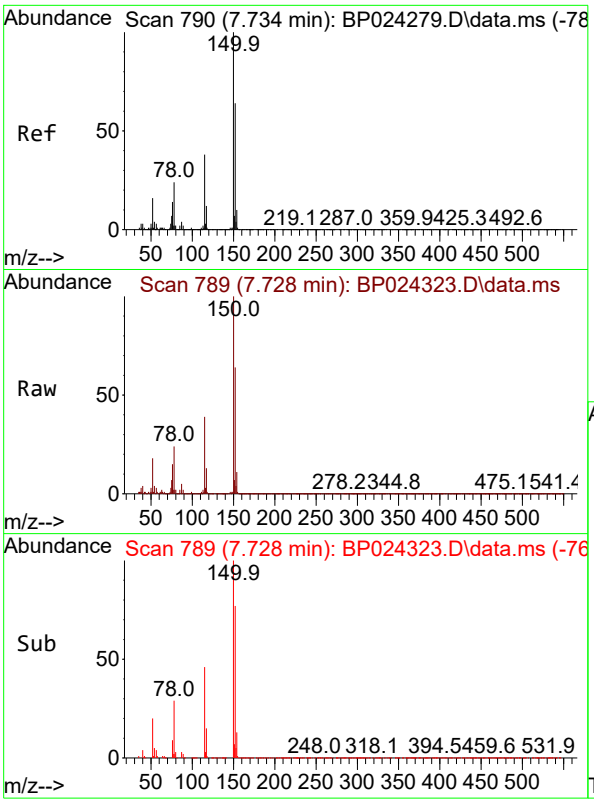
Quant Time: Apr 17 12:56:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

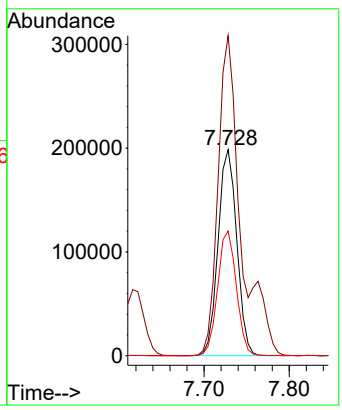




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 7
Delta R.T. 0.020 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:152 Resp: 30288

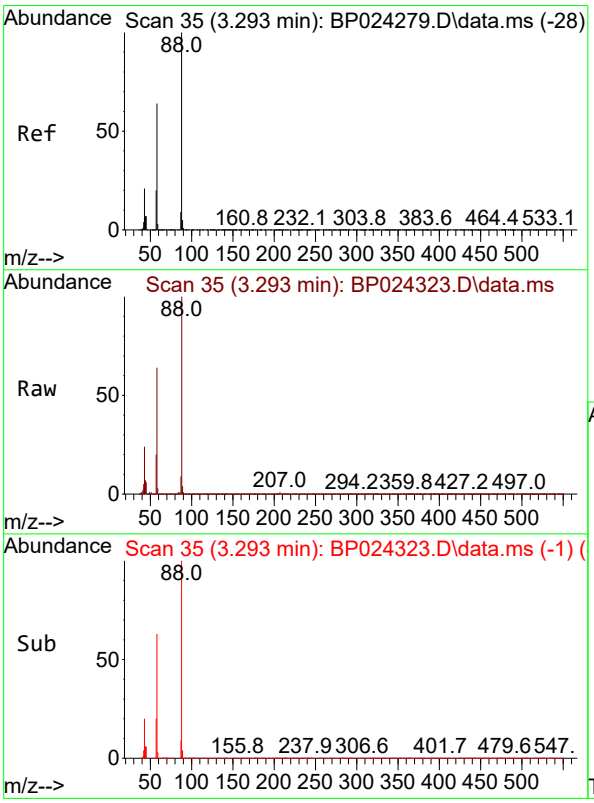
Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.9	187.3
115	60.5	47.7	71.5



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
APPROVED

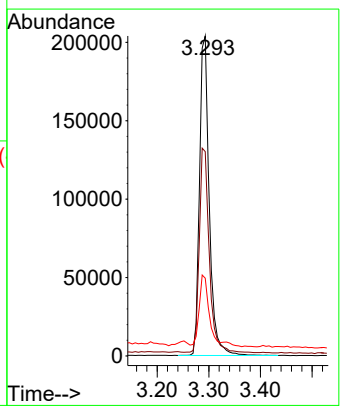
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

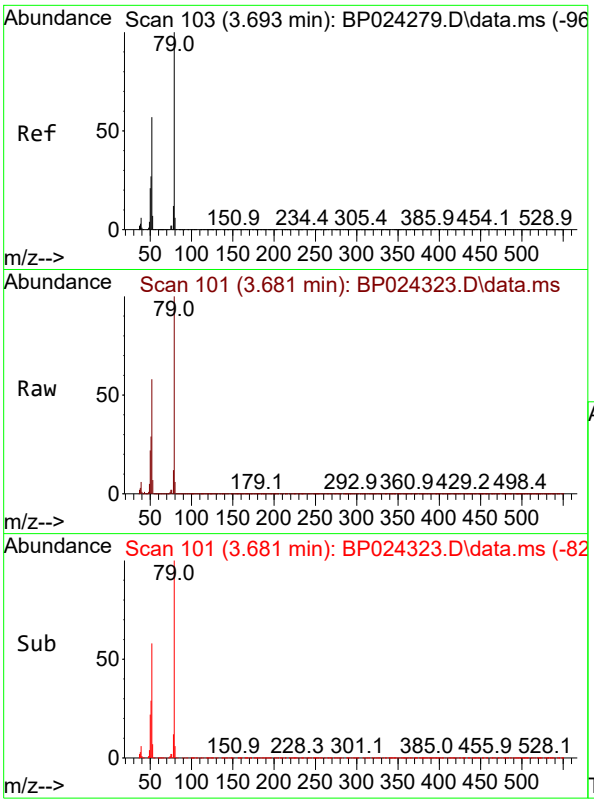


#2
1,4-Dioxane
Concen: 34.349 ng
RT: 3.293 min Scan# 35
Delta R.T. 0.020 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion: 88 Resp: 266140

Ion	Ratio	Lower	Upper
88	100		
58	65.6	51.4	77.2
43	24.2	17.1	25.7

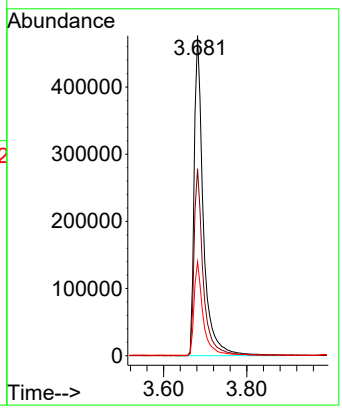




#3
Pyridine
Concen: 35.641 ng
RT: 3.681 min Scan# 1
Delta R.T. 0.014 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion: 79 Resp: 72919

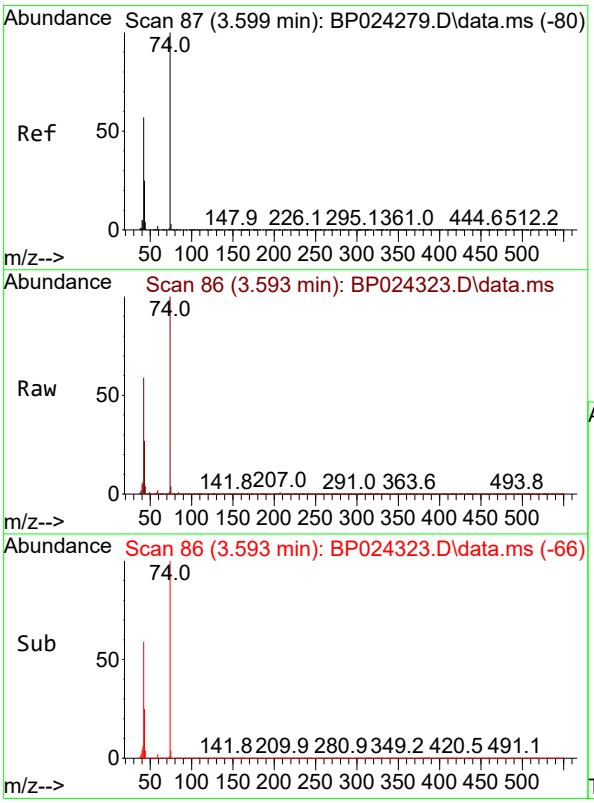
Ion	Ratio	Lower	Upper
79	100		
52	58.4	45.4	68.2
51	29.4	22.6	33.8



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
APPROVED

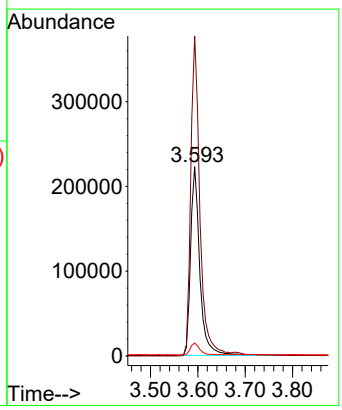
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

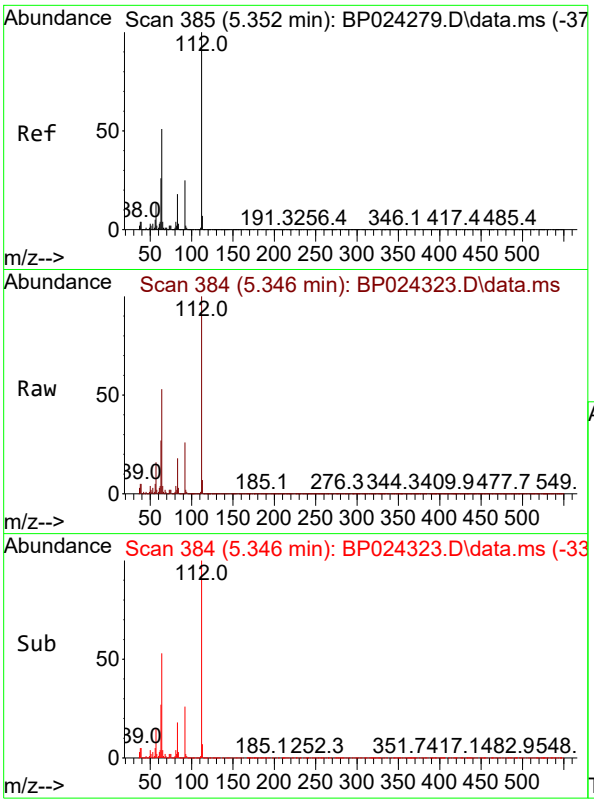


#4
n-Nitrosodimethylamine
Concen: 44.796 ng
RT: 3.593 min Scan# 86
Delta R.T. 0.020 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion: 42 Resp: 304169

Ion	Ratio	Lower	Upper
42	100		
74	169.1	139.5	209.3
44	6.8	5.8	8.8

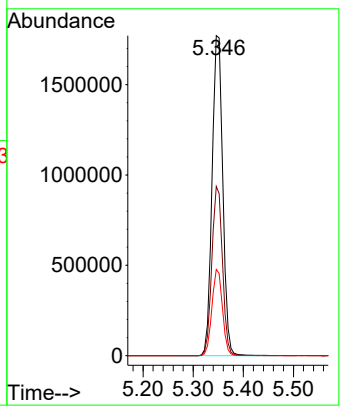




#5
2-Fluorophenol
Concen: 142.905 ng
RT: 5.346 min Scan# 3
Delta R.T. 0.014 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:112 Resp: 261775

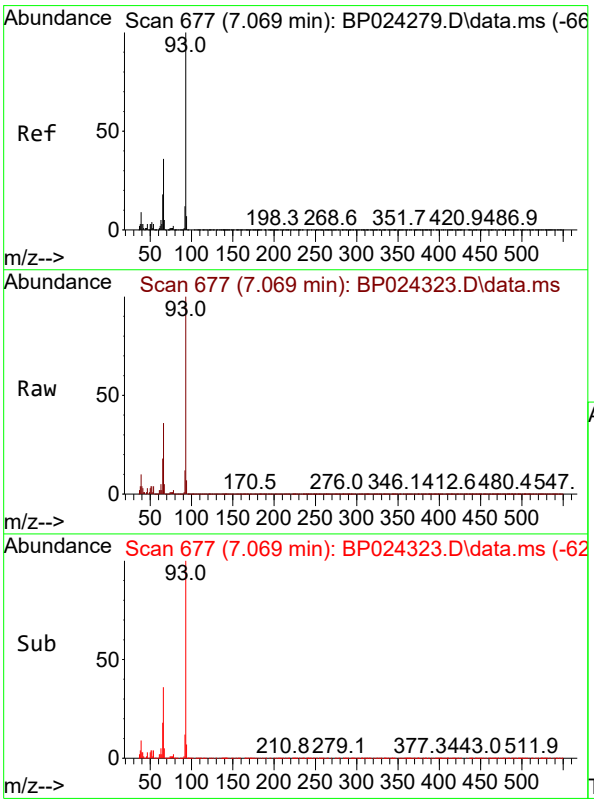
Ion	Ratio	Lower	Upper
112	100		
64	52.9	41.1	61.7
63	27.0	20.6	30.8



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
APPROVED

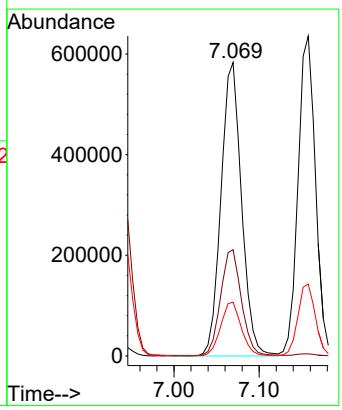
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

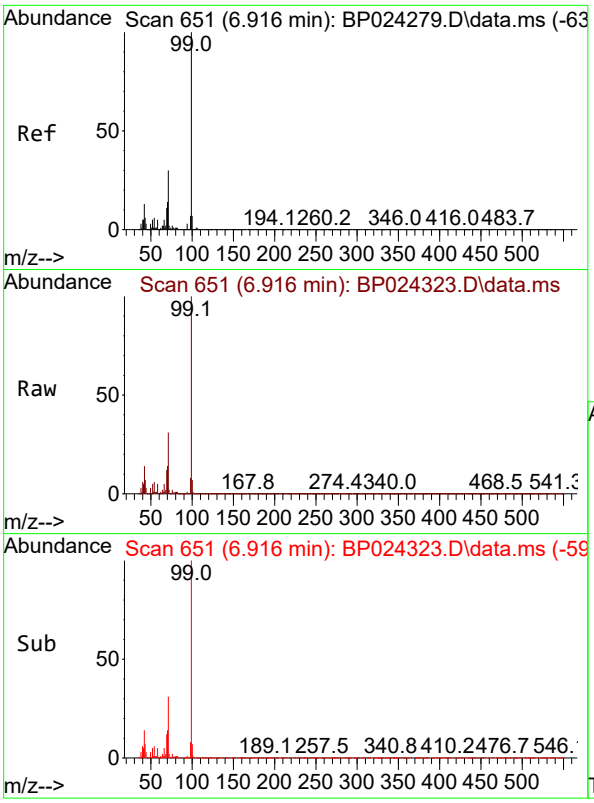


#6
Aniline
Concen: 43.616 ng
RT: 7.069 min Scan# 677
Delta R.T. 0.020 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion: 93 Resp: 977592

Ion	Ratio	Lower	Upper
93	100		
66	36.2	29.1	43.7
65	18.3	14.7	22.1

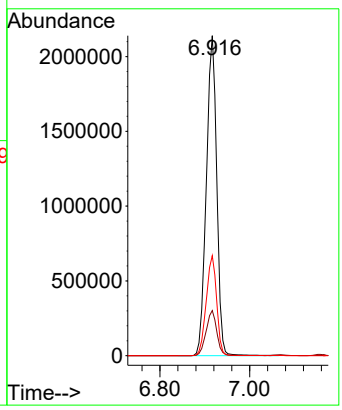




#7
Phenol-d6
Concen: 137.254 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.020 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion: 99 Resp: 344271

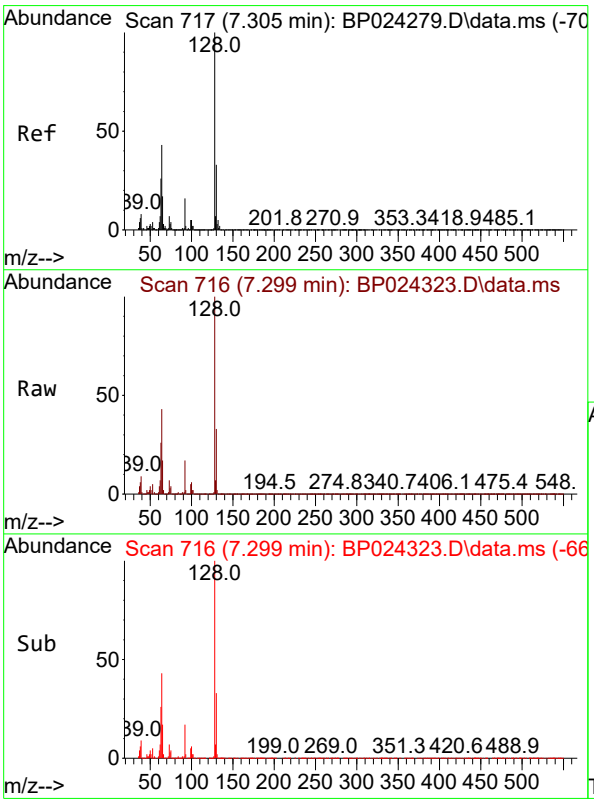
Ion	Ratio	Lower	Upper
99	100		
42	14.1	10.6	16.0
71	31.3	23.7	35.5



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
APPROVED

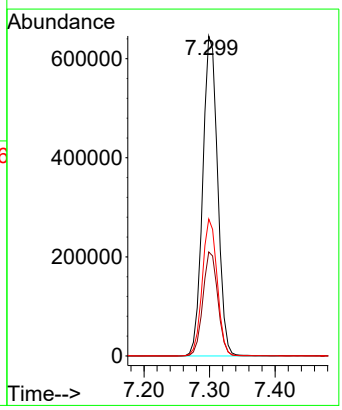
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

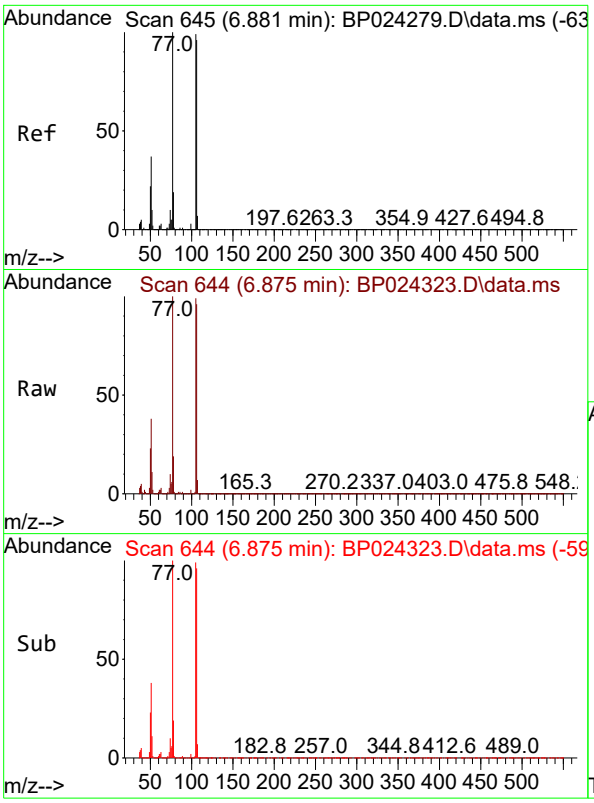


#8
2-Chlorophenol
Concen: 50.130 ng
RT: 7.299 min Scan# 716
Delta R.T. 0.014 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:128 Resp: 1025260

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.9	52.9
64	42.8	22.7	62.7

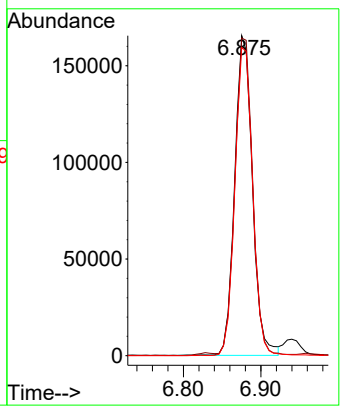




#9
Benzaldehyde
Concen: 21.257 ng
RT: 6.875 min Scan# 64
Delta R.T. 0.014 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion: 77 Resp: 26374

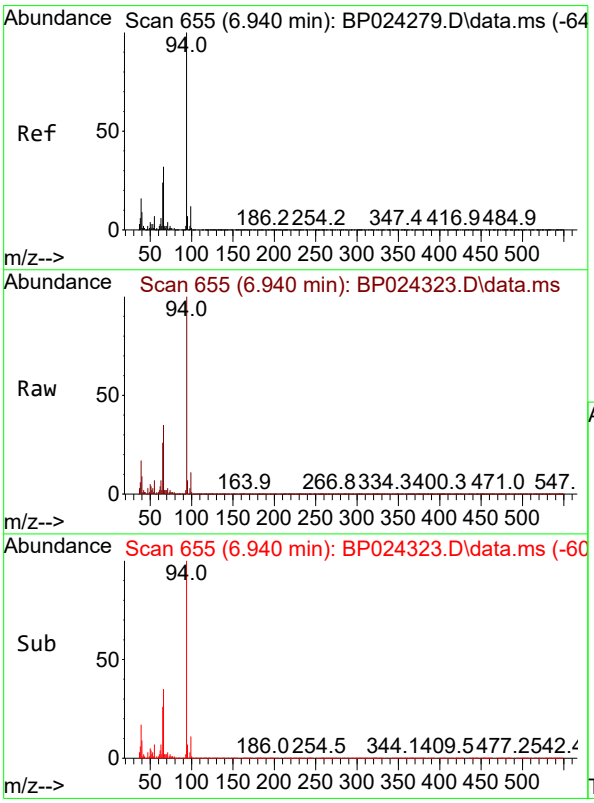
Ion	Ratio	Lower	Upper
77	100		
105	99.2	79.2	119.2
106	96.3	76.2	116.2



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
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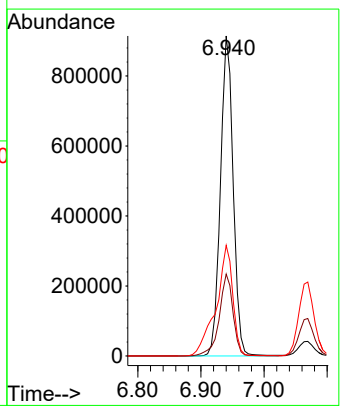
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

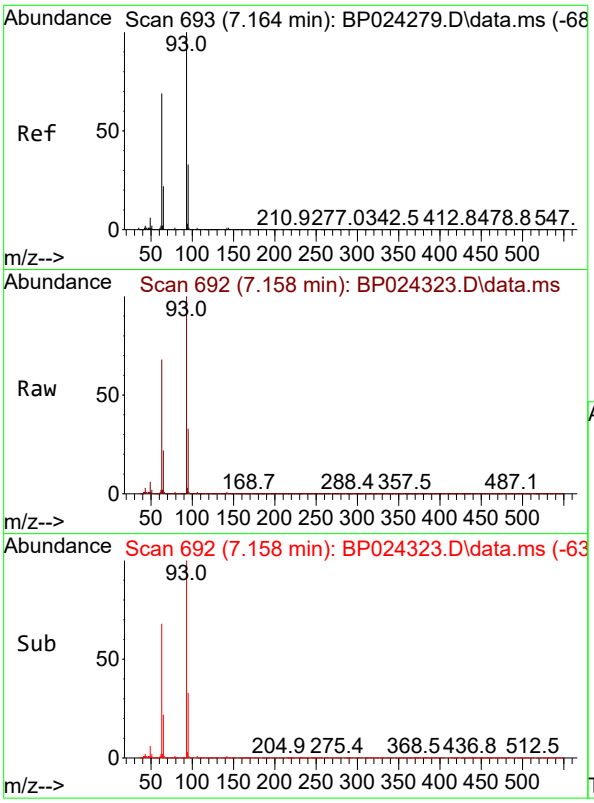


#10
Phenol
Concen: 51.036 ng
RT: 6.940 min Scan# 655
Delta R.T. 0.014 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion: 94 Resp: 1284161

Ion	Ratio	Lower	Upper
94	100		
65	25.6	4.5	44.5
66	34.5	12.4	52.4

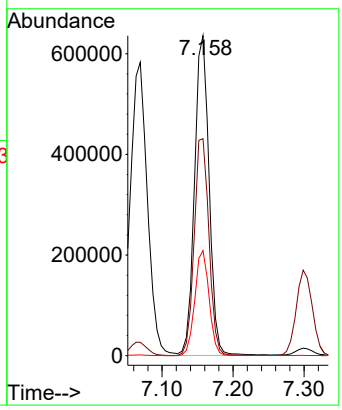




#11
bis(2-Chloroethyl)ether
Concen: 44.852 ng
RT: 7.158 min Scan# 6
Delta R.T. 0.014 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion: 93 Resp: 90927

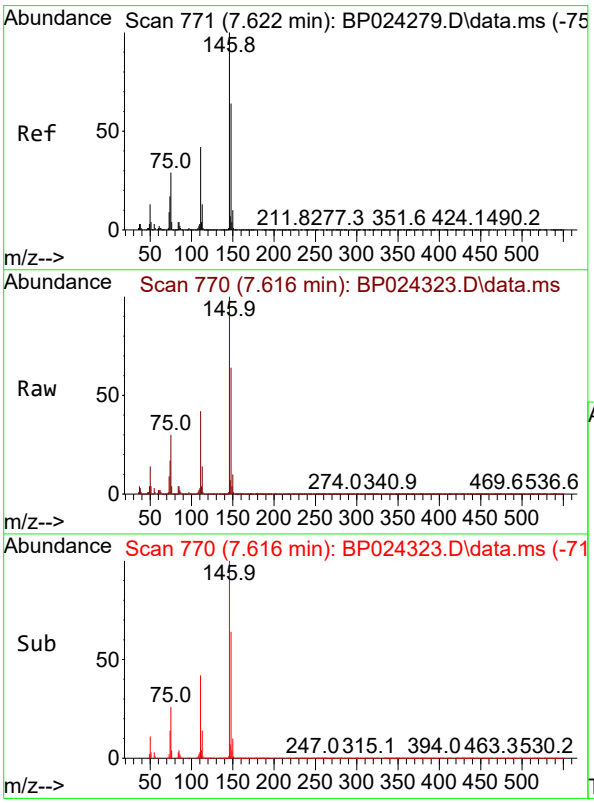
Ion	Ratio	Lower	Upper
93	100		
63	67.8	48.6	88.6
95	32.8	12.3	52.3



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
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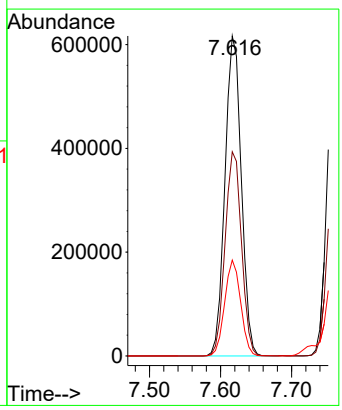
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

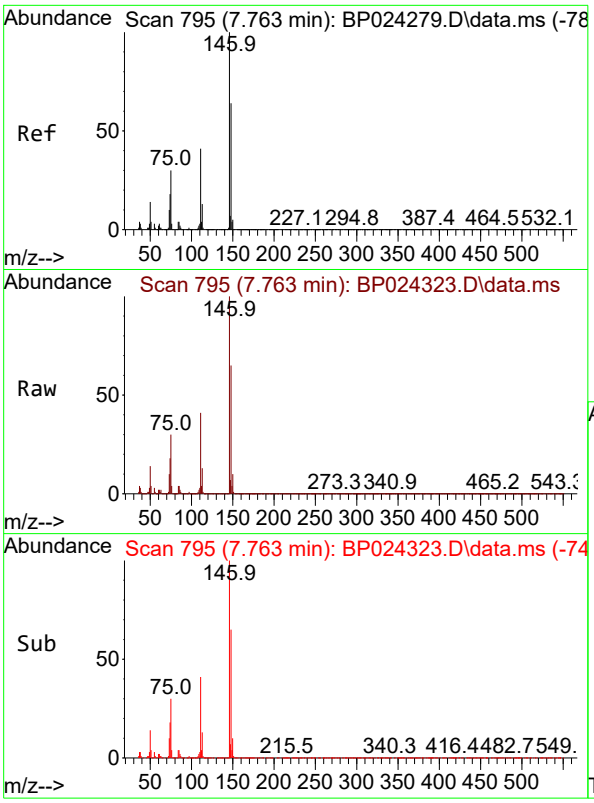


#12
1,3-Dichlorobenzene
Concen: 44.621 ng
RT: 7.616 min Scan# 770
Delta R.T. 0.014 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:146 Resp: 982467

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.4	77.0
75	30.0	22.9	34.3

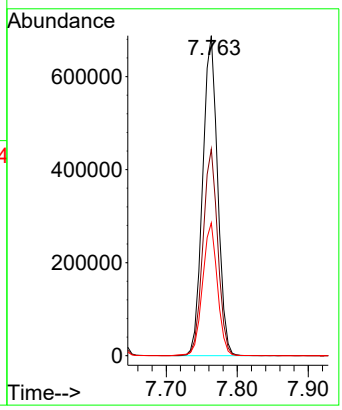




#13
1,4-Dichlorobenzene
Concen: 45.092 ng
RT: 7.763 min Scan# 7
Delta R.T. 0.020 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:146 Resp: 100734

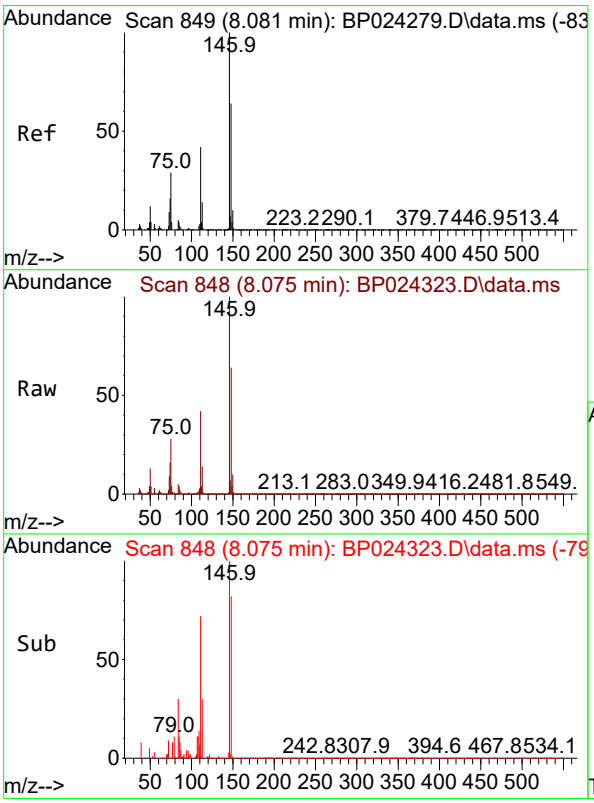
Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.1	76.7
111	41.5	32.6	48.8



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
APPROVED

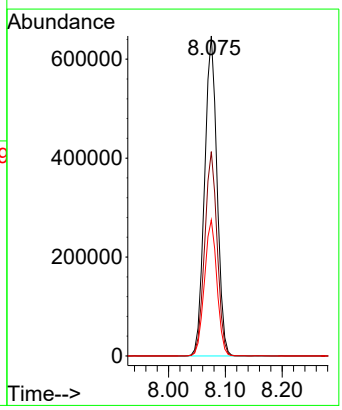
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

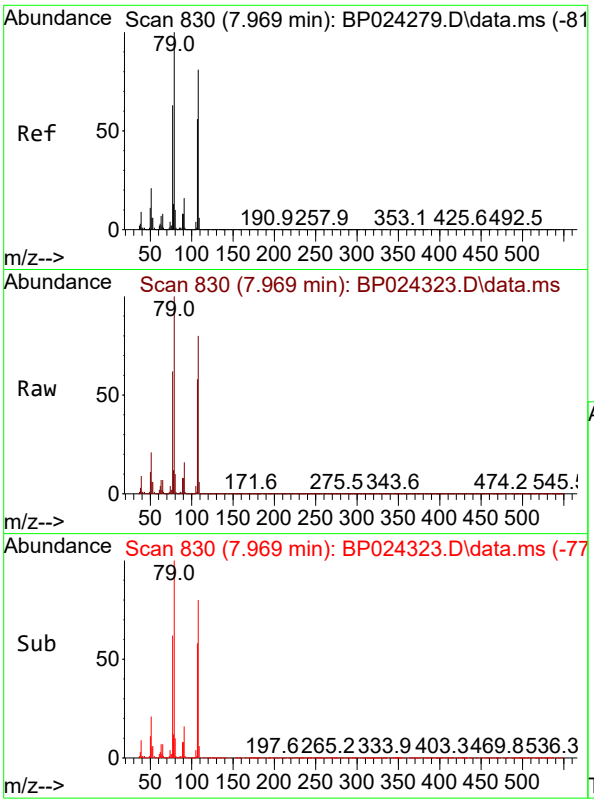


#14
1,2-Dichlorobenzene
Concen: 45.542 ng
RT: 8.075 min Scan# 848
Delta R.T. 0.020 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:146 Resp: 982429

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.0	76.4
111	42.5	33.8	50.8





#15
Benzyl Alcohol
Concen: 51.072 ng
RT: 7.969 min Scan# 8
Delta R.T. 0.014 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

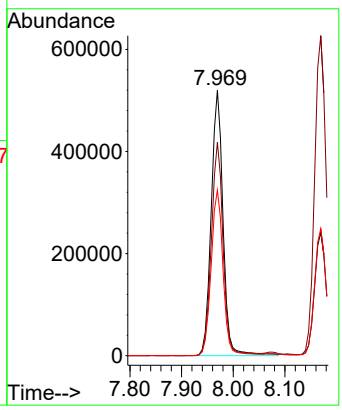
Tgt Ion: 79 Resp: 82844

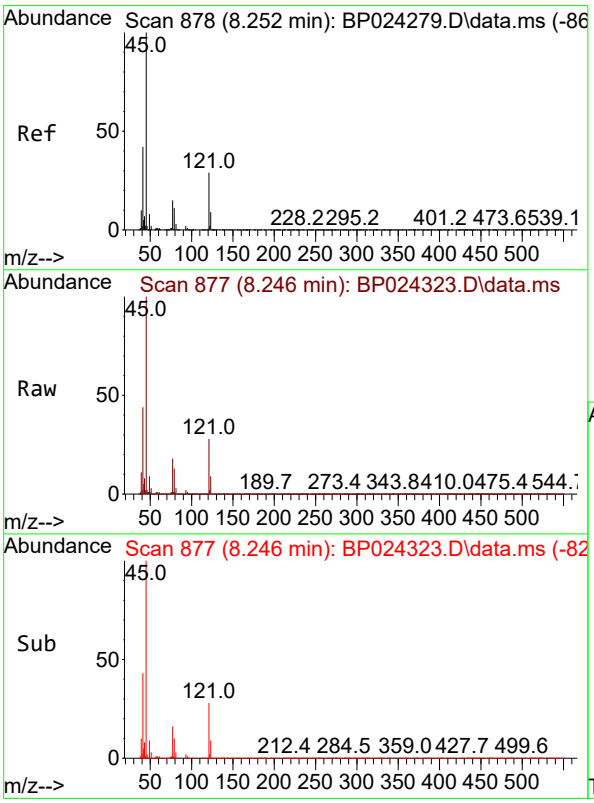
Ion	Ratio	Lower	Upper
79	100		
108	80.4	65.1	97.7
77	62.4	50.7	76.1

Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

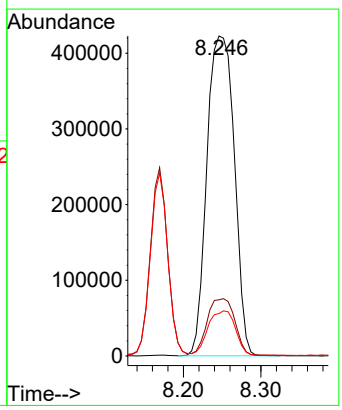


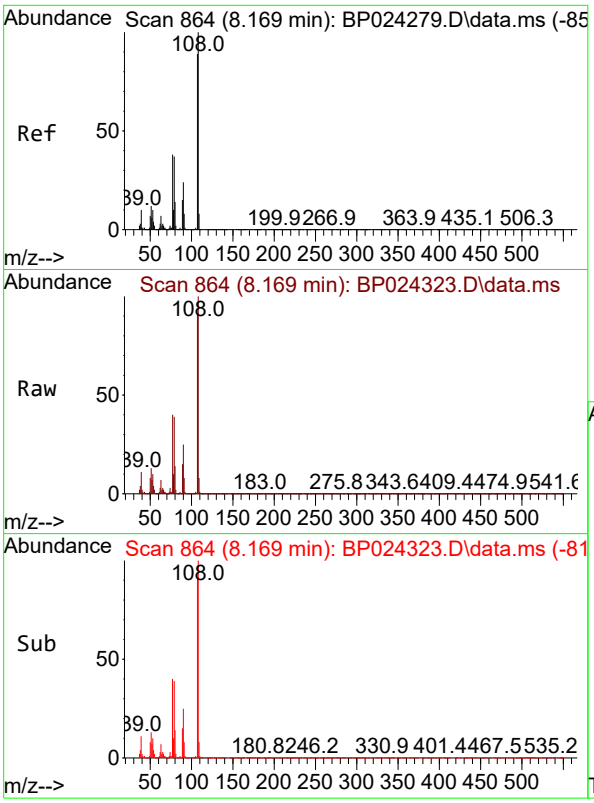


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.378 ng
RT: 8.246 min Scan# 877
Delta R.T. 0.008 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion: 45 Resp: 1038203

Ion	Ratio	Lower	Upper
45	100		
77	17.6	0.0	37.7
79	13.3	0.0	33.5

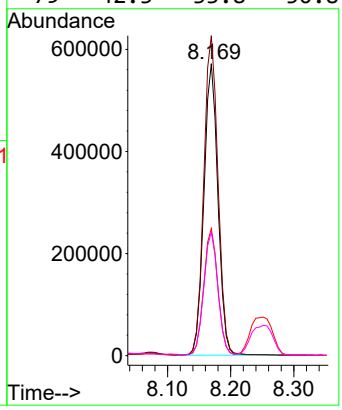




#17
2-Methylphenol
Concen: 54.134 ng
RT: 8.169 min Scan# 8
Delta R.T. 0.014 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:107 Resp: 88115

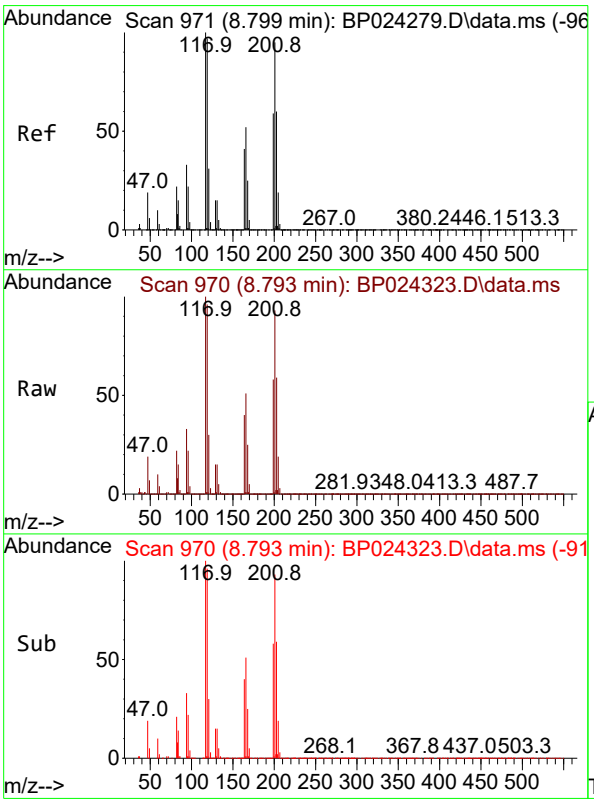
Ion	Ratio	Lower	Upper
107	100		
108	109.6	89.8	134.6
77	43.5	34.2	51.4
79	42.3	33.8	50.8



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
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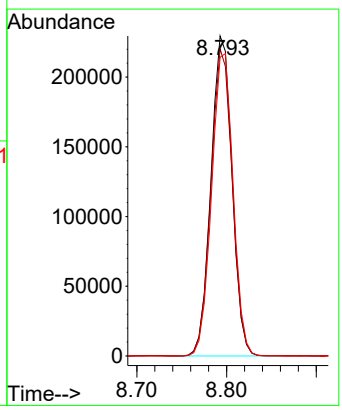
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

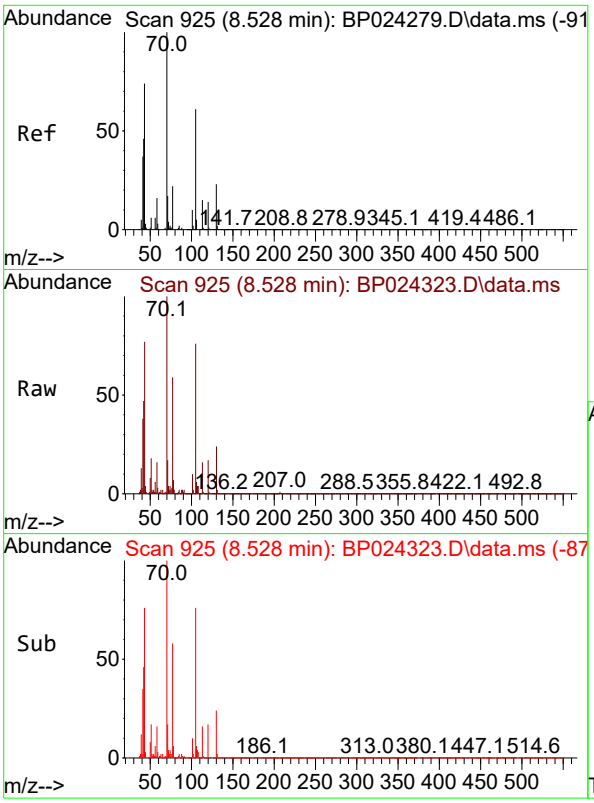


#18
Hexachloroethane
Concen: 46.475 ng
RT: 8.793 min Scan# 970
Delta R.T. 0.014 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:117 Resp: 375219

Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.8	116.6
201	93.4	75.9	113.9

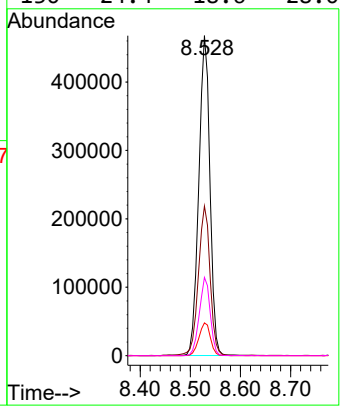




#19
n-Nitroso-di-n-propylamine
Concen: 46.289 ng
RT: 8.528 min Scan# 9
Delta R.T. 0.014 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion: 70 Resp: 71829

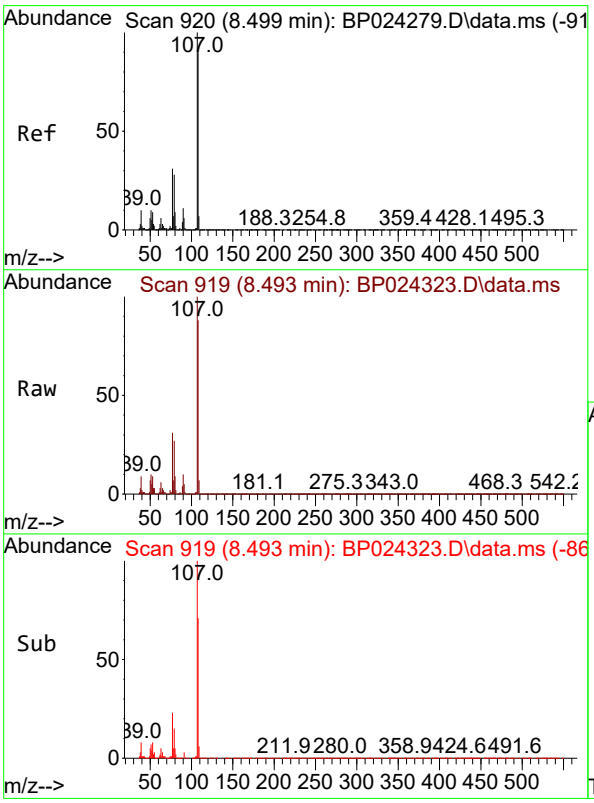
Ion	Ratio	Lower	Upper
70	100		
42	46.7	37.3	55.9
101	10.2	8.2	12.4
130	24.4	18.6	28.0



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
APPROVED

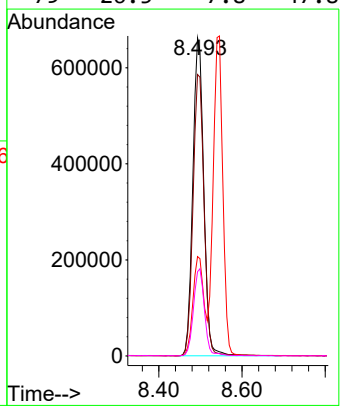
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

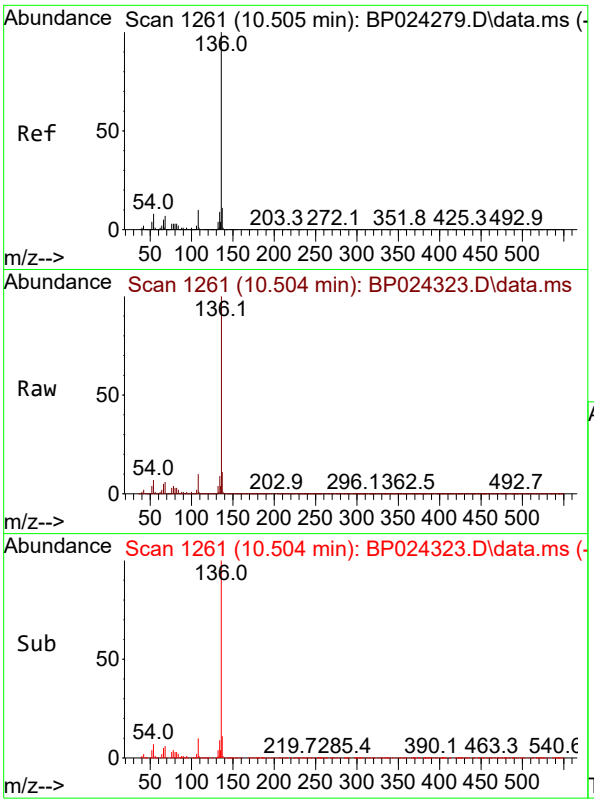


#20
3+4-Methylphenols
Concen: 53.441 ng
RT: 8.493 min Scan# 919
Delta R.T. 0.014 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:107 Resp: 1206984

Ion	Ratio	Lower	Upper
107	100		
108	88.5	69.8	109.8
77	31.3	11.5	51.5
79	26.5	7.8	47.8

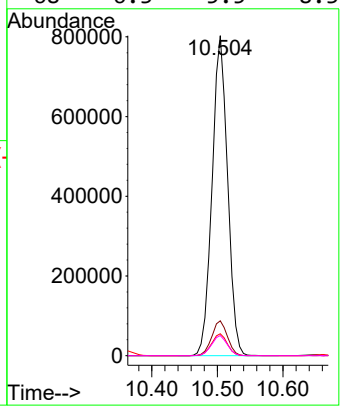




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.504 min Scan# 1
Delta R.T. 0.020 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:136 Resp: 131439

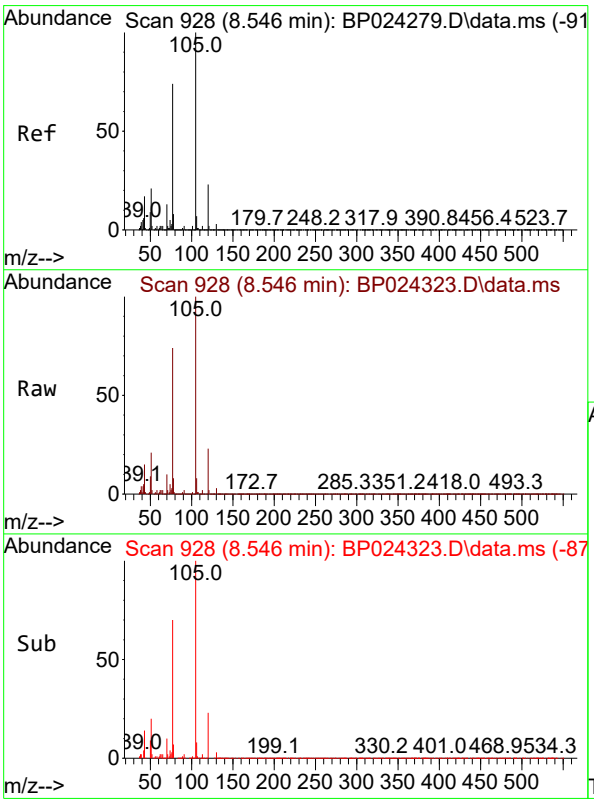
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	6.9	6.0	9.0
68	6.3	5.5	8.3



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
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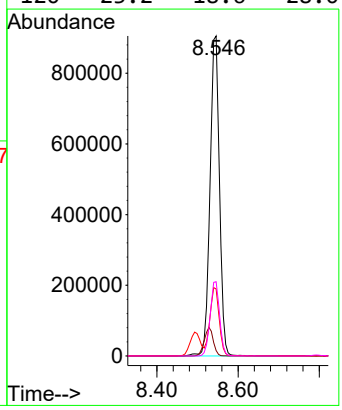
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

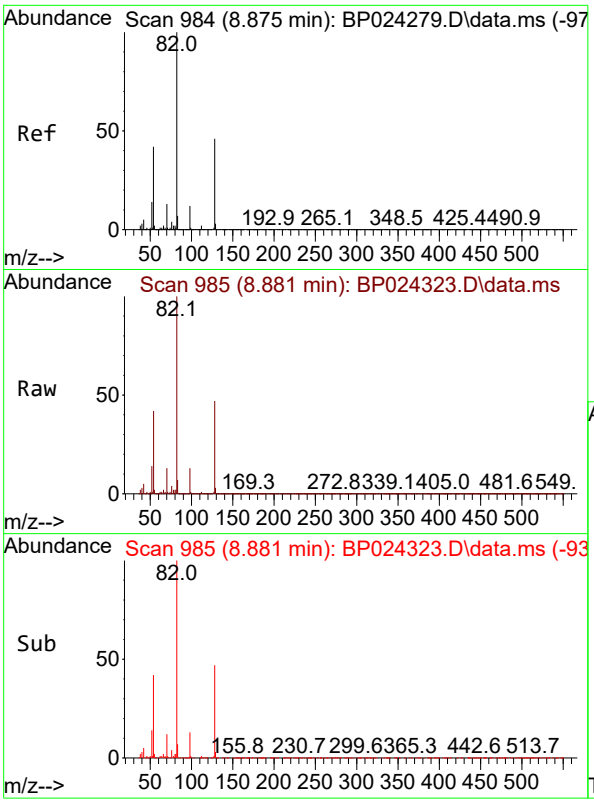


#22
Acetophenone
Concen: 44.730 ng
RT: 8.546 min Scan# 928
Delta R.T. 0.020 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:105 Resp: 1455151

Ion	Ratio	Lower	Upper
105	100		
71	1.7	1.7	2.5
51	21.0	16.9	25.3
120	23.2	18.6	28.0

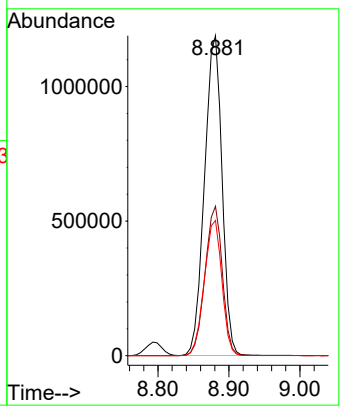




#23
Nitrobenzene-d5
Concen: 88.762 ng
RT: 8.881 min Scan# 9
Delta R.T. 0.020 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion: 82 Resp: 204605

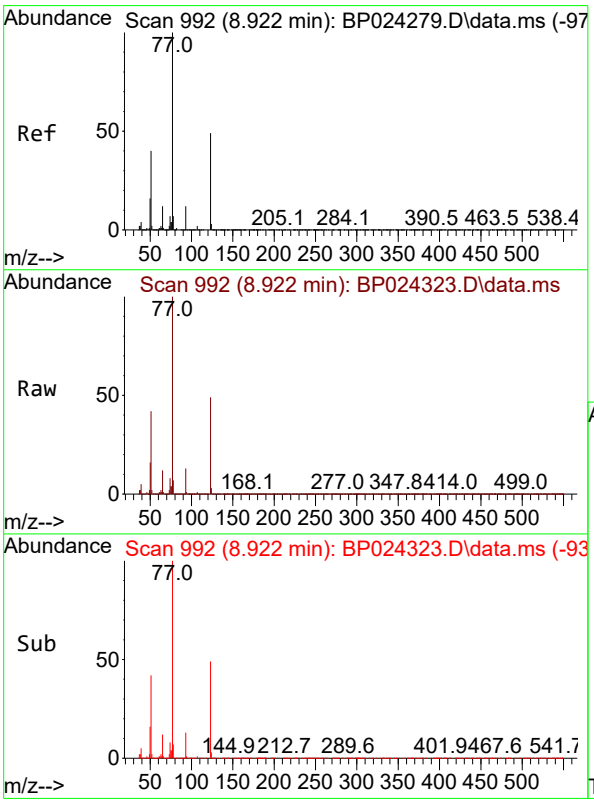
Ion	Ratio	Lower	Upper
82	100		
128	46.7	36.5	54.7
54	42.3	33.4	50.2



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
APPROVED

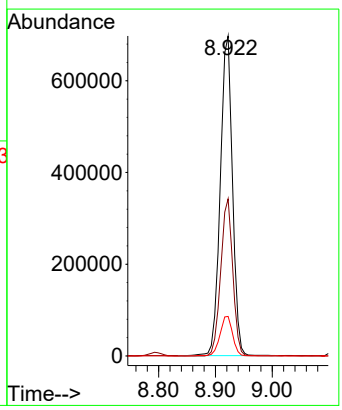
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

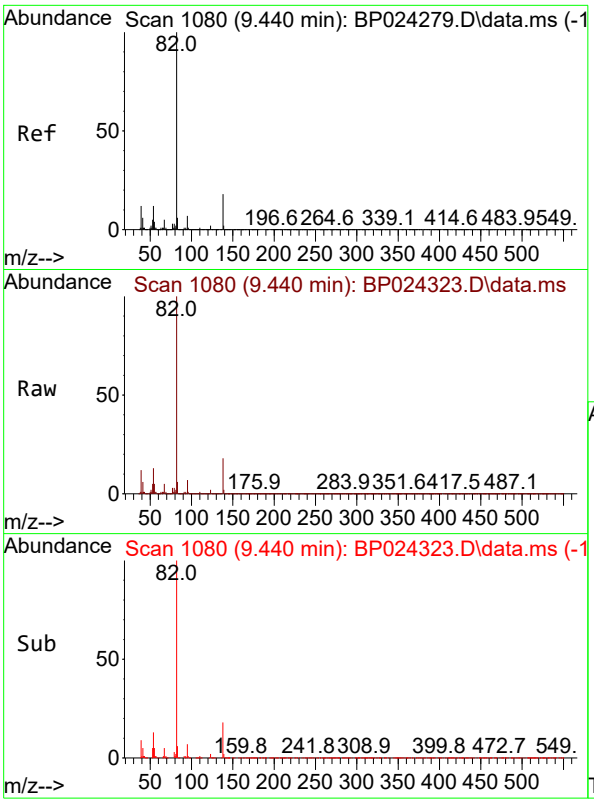


#24
Nitrobenzene
Concen: 45.842 ng
RT: 8.922 min Scan# 992
Delta R.T. 0.020 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion: 77 Resp: 1045345

Ion	Ratio	Lower	Upper
77	100		
123	49.1	39.2	58.8
65	12.4	9.8	14.6





#25
Isophorone
Concen: 49.875 ng
RT: 9.440 min Scan# 1
Delta R.T. 0.014 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

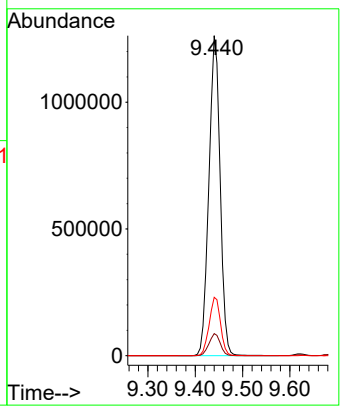
Tgt Ion: 82 Resp: 208098

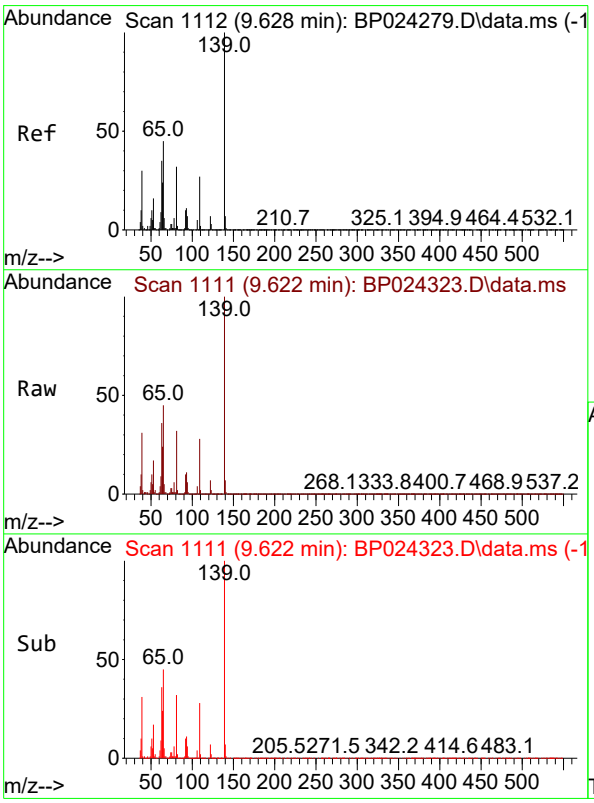
Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.4	8.2
138	18.2	14.4	21.6

Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

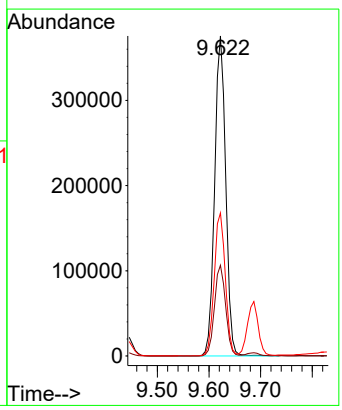


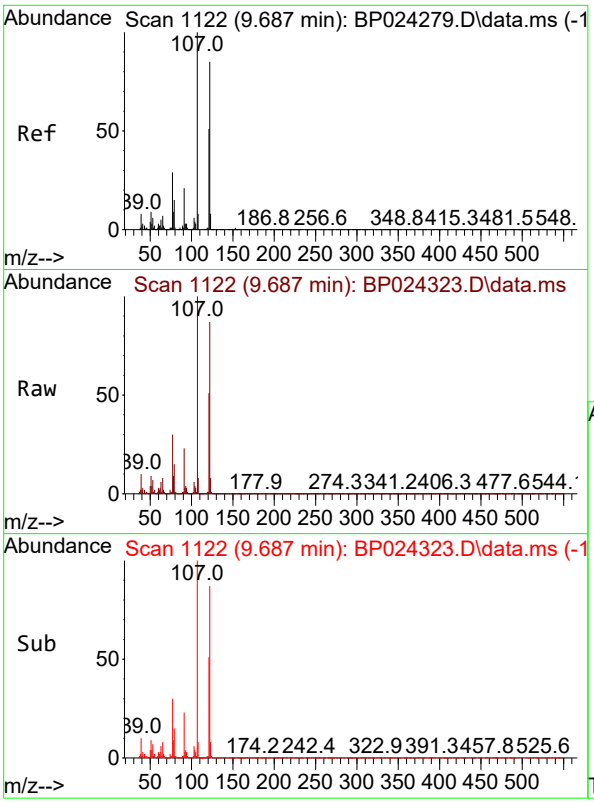


#26
2-Nitrophenol
Concen: 49.995 ng
RT: 9.622 min Scan# 1111
Delta R.T. 0.014 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:139 Resp: 557908

Ion	Ratio	Lower	Upper
139	100		
109	28.3	21.8	32.6
65	44.7	36.2	54.2





#27
2,4-Dimethylphenol
Concen: 71.584 ng
RT: 9.687 min Scan# 11
Delta R.T. 0.014 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

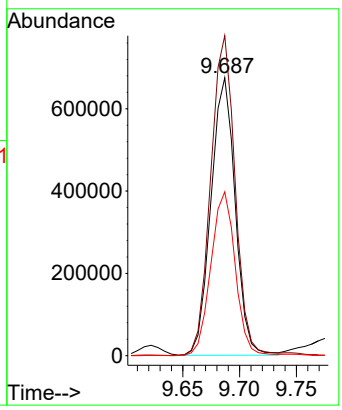
Tgt Ion:122 Resp: 100303

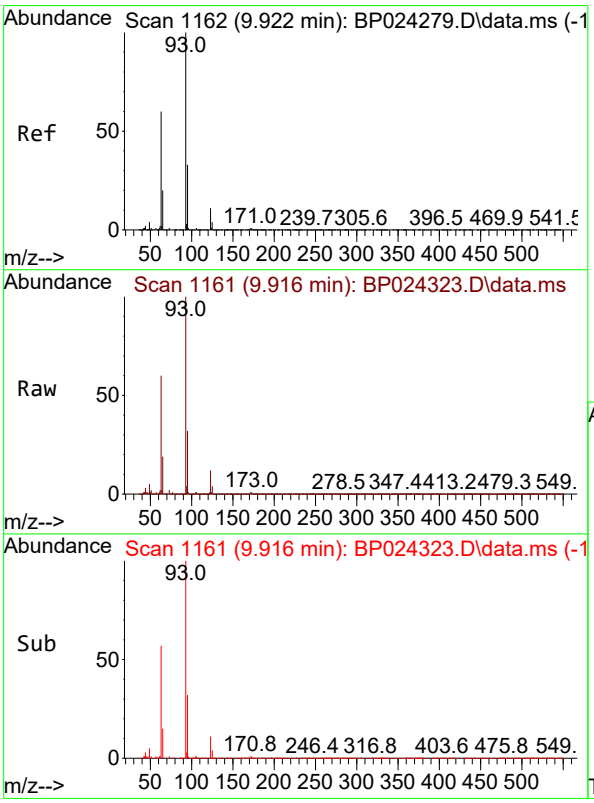
Ion	Ratio	Lower	Upper
122	100		
107	115.1	93.7	140.5
121	59.0	48.2	72.2

Instrument :
BNA_P
ClientSampleId :
PB167564BSD

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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

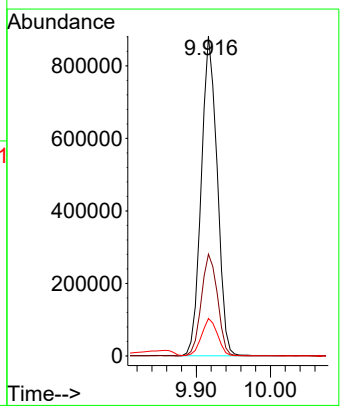


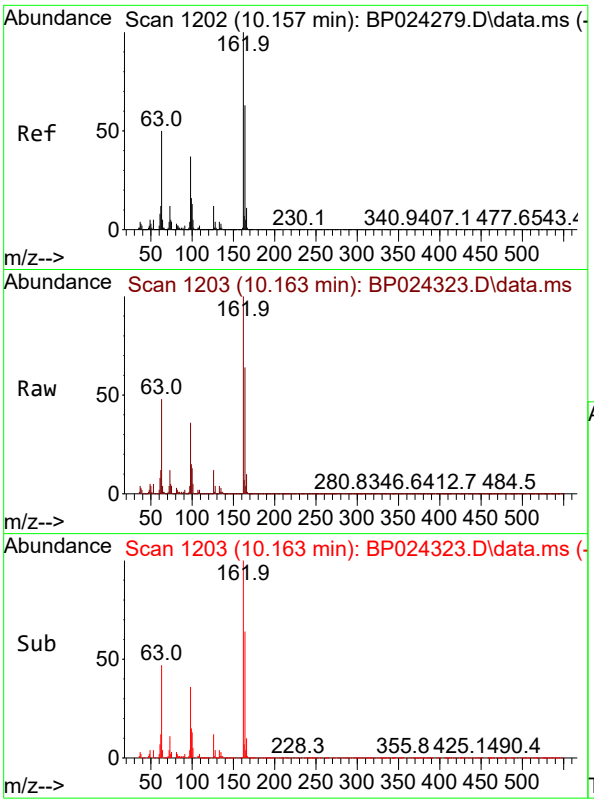


#28
bis(2-Chloroethoxy)methane
Concen: 46.660 ng
RT: 9.916 min Scan# 1161
Delta R.T. 0.014 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion: 93 Resp: 1315176

Ion	Ratio	Lower	Upper
93	100		
95	31.8	26.0	39.0
123	11.7	9.1	13.7

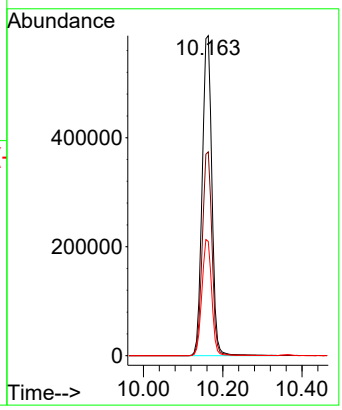




#29
2,4-Dichlorophenol
Concen: 52.267 ng
RT: 10.163 min Scan# 1
Delta R.T. 0.026 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:162 Resp: 99858

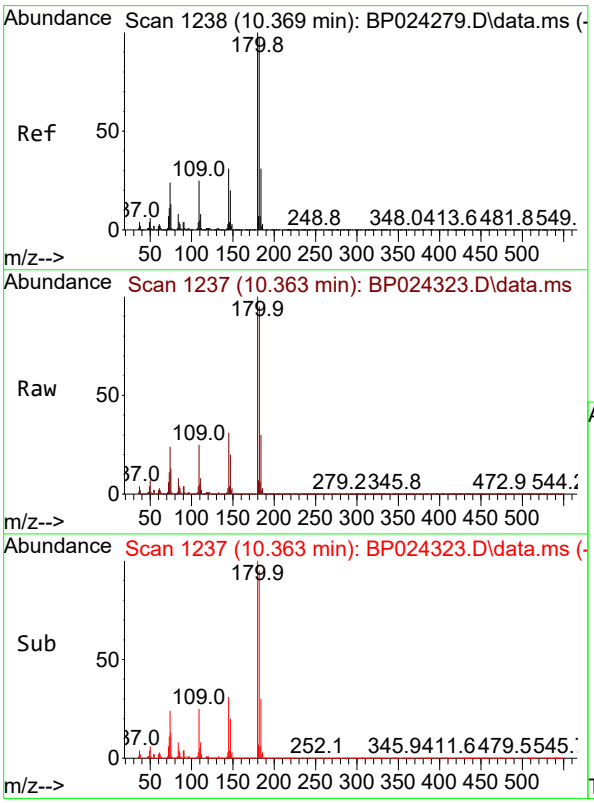
Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.3	83.3
98	35.7	16.6	56.6



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
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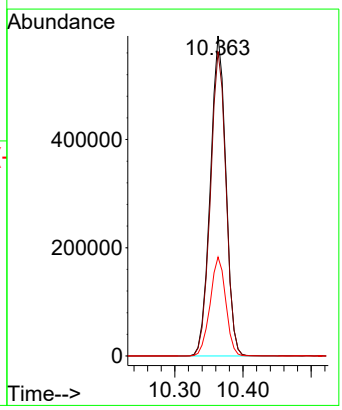
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

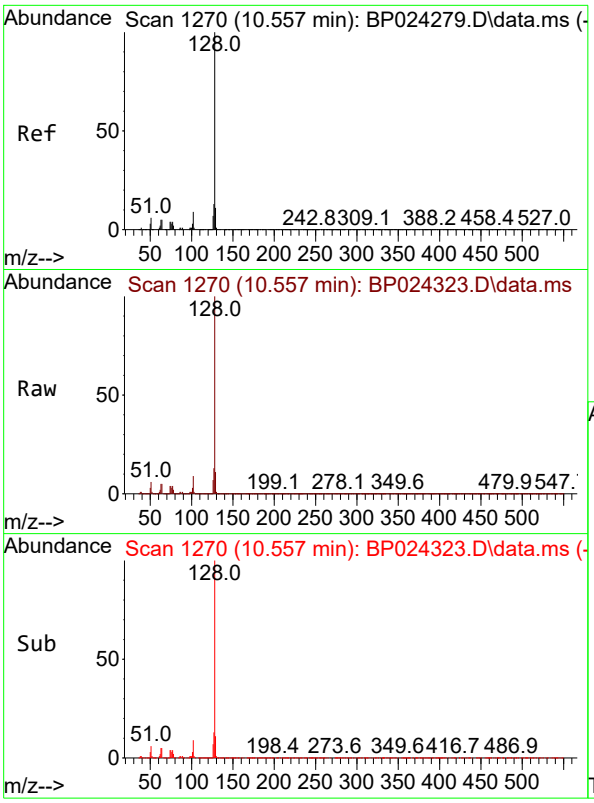


#30
1,2,4-Trichlorobenzene
Concen: 45.861 ng
RT: 10.363 min Scan# 1237
Delta R.T. 0.014 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:180 Resp: 938774

Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.3	115.9
145	30.9	25.1	37.7

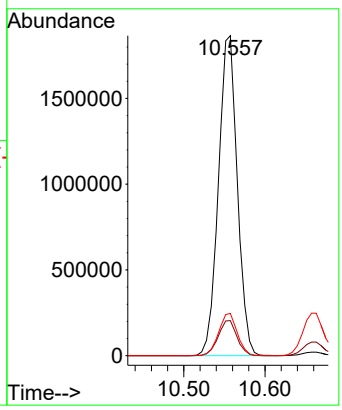




#31
Naphthalene
Concen: 43.586 ng
RT: 10.557 min Scan# 1
Delta R.T. 0.020 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:128 Resp: 301781

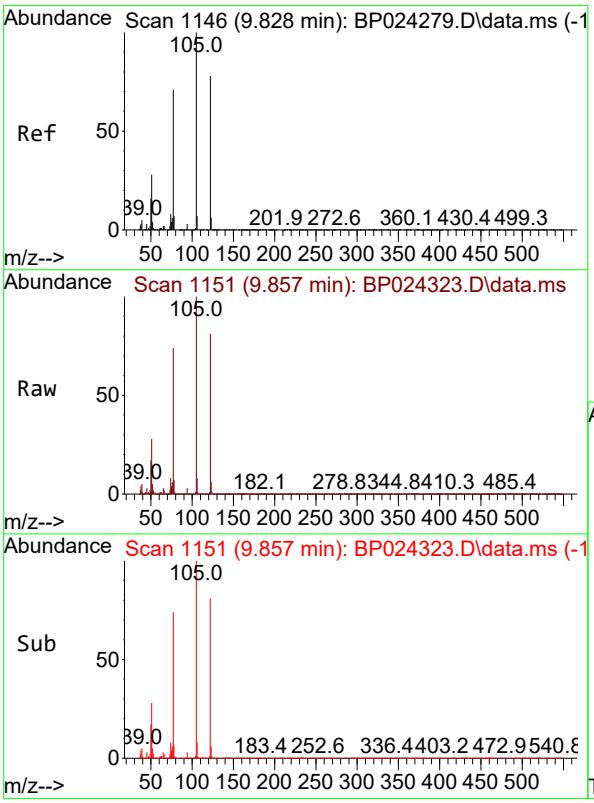
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	13.2	10.3	15.5



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
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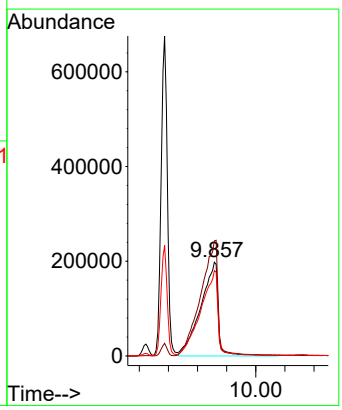
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

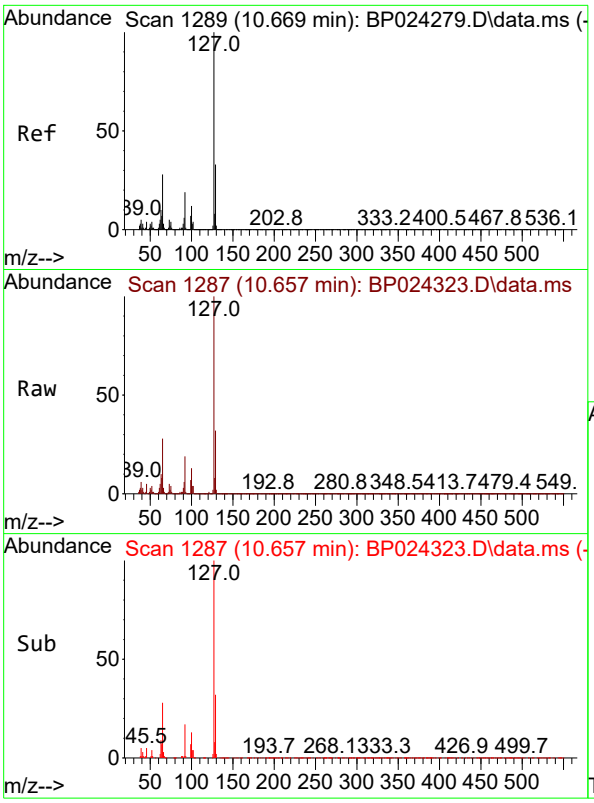


#32
Benzoic acid
Concen: 51.148 ng m
RT: 9.857 min Scan# 1151
Delta R.T. 0.002 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:122 Resp: 835098

Ion	Ratio	Lower	Upper
122	100		
105	122.8	104.8	144.8
77	91.1	69.2	109.2

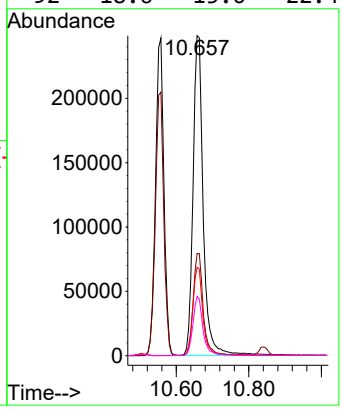




#33
4-Chloroaniline
Concen: 19.872 ng
RT: 10.657 min Scan# 1
Delta R.T. 0.008 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:127 Resp: 48453

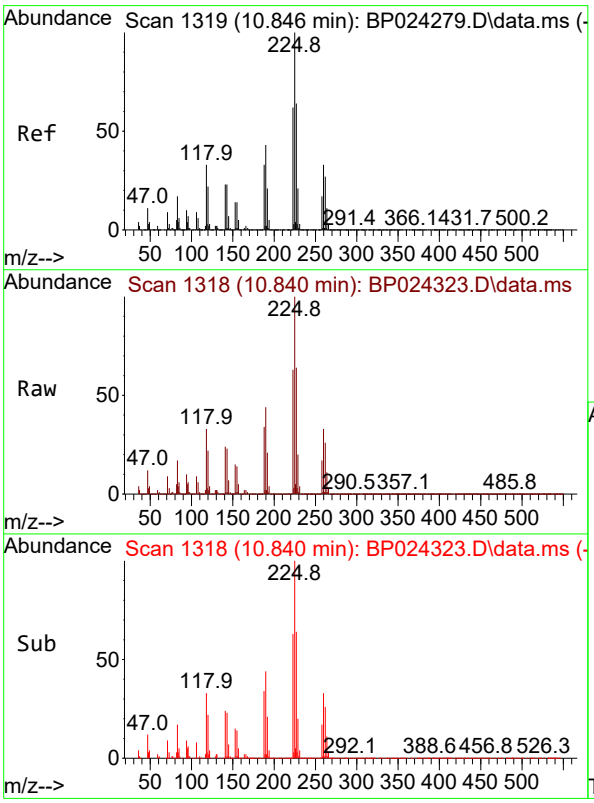
Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.1	39.1
65	27.6	22.1	33.1
92	18.6	15.0	22.4



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
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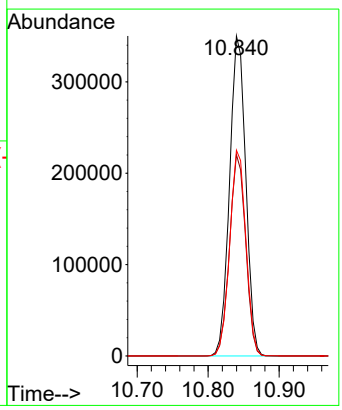
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

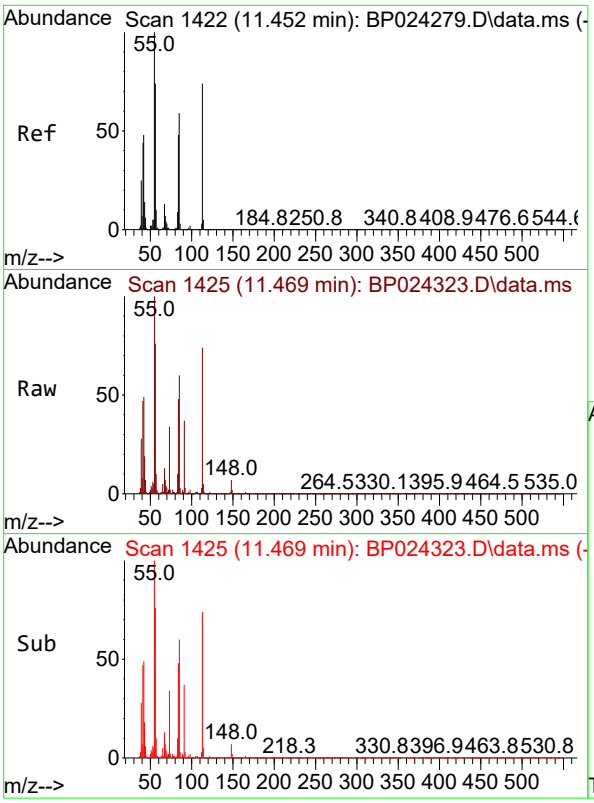


#34
Hexachlorobutadiene
Concen: 46.175 ng
RT: 10.840 min Scan# 1318
Delta R.T. 0.020 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:225 Resp: 555424

Ion	Ratio	Lower	Upper
225	100		
223	62.9	49.5	74.3
227	64.3	50.9	76.3

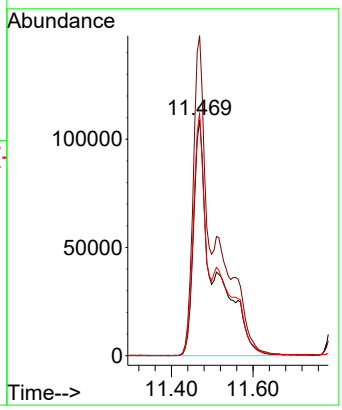




#35
Caprolactam
Concen: 53.348 ng m
RT: 11.469 min Scan# 14
Delta R.T. 0.008 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:113 Resp: 37607

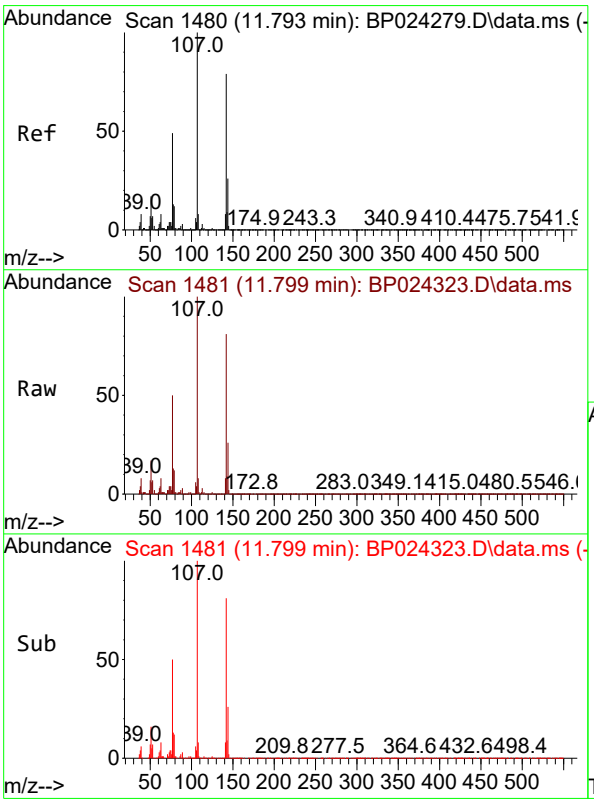
Ion	Ratio	Lower	Upper
113	100		
55	135.8	115.9	155.9
56	103.1	81.1	121.1



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
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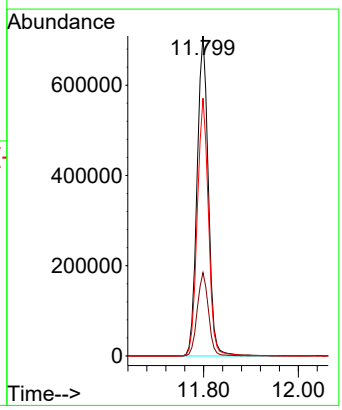
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

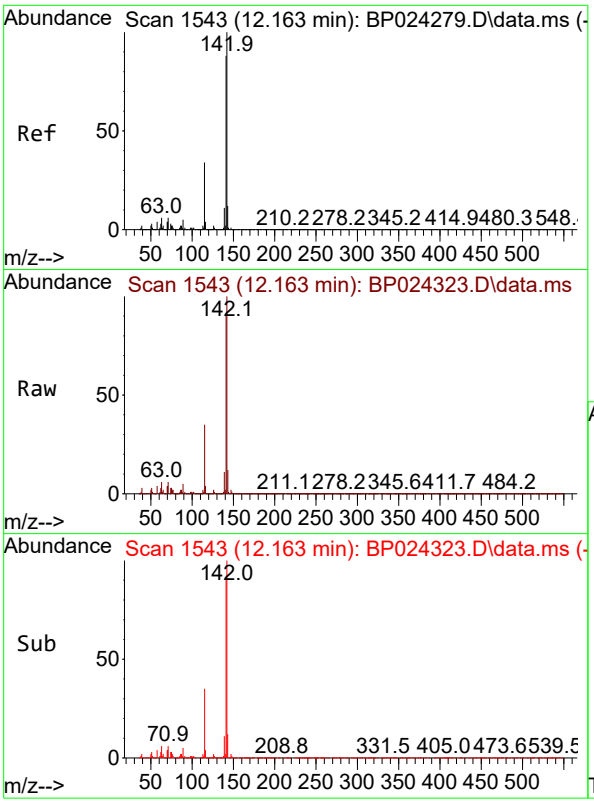


#36
4-Chloro-3-methylphenol
Concen: 52.620 ng
RT: 11.799 min Scan# 1481
Delta R.T. 0.014 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:107 Resp: 1170976

Ion	Ratio	Lower	Upper
107	100		
144	26.0	20.5	30.7
142	80.6	63.4	95.2

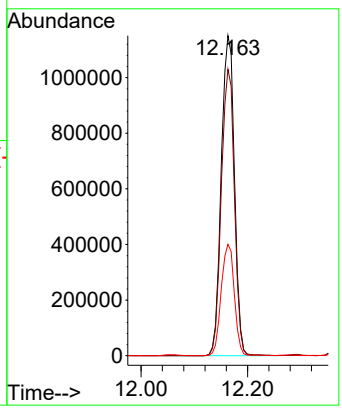




#37
2-Methylnaphthalene
Concen: 41.063 ng
RT: 12.163 min Scan# 1
Delta R.T. 0.014 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:142 Resp: 197174

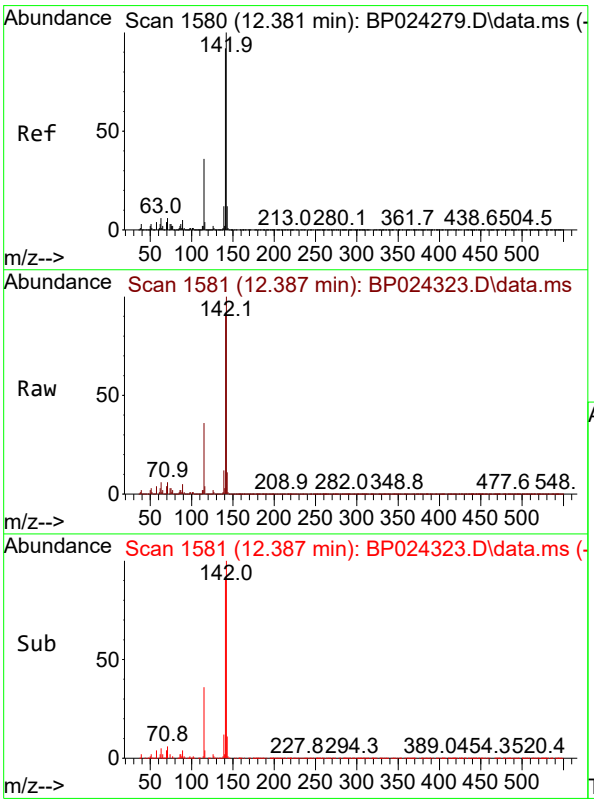
Ion	Ratio	Lower	Upper
142	100		
141	89.5	70.3	105.5
115	34.8	26.9	40.3



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
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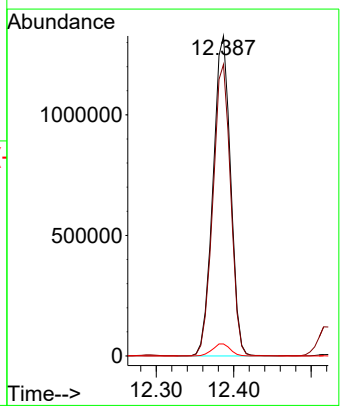
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

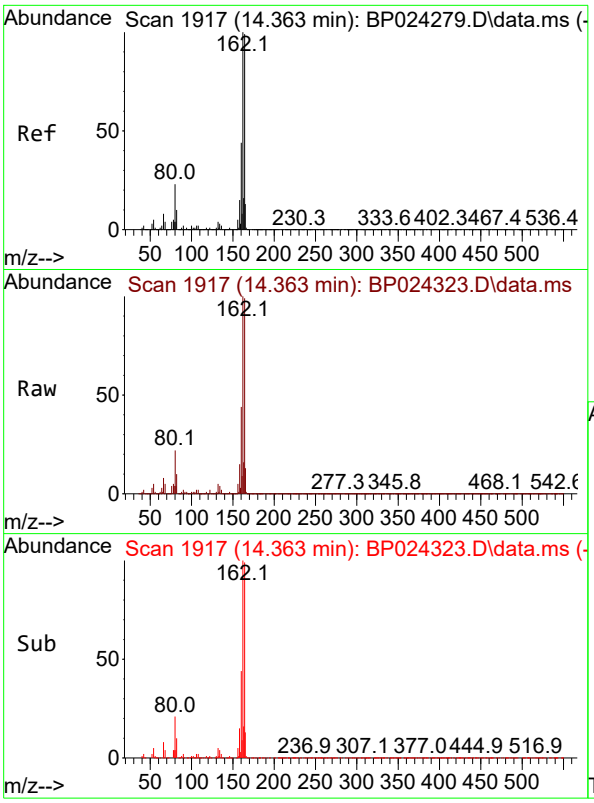


#38
1-Methylnaphthalene
Concen: 44.606 ng
RT: 12.387 min Scan# 1581
Delta R.T. 0.014 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:142 Resp: 2095327

Ion	Ratio	Lower	Upper
142	100		
141	91.1	73.6	110.4
116	3.8	3.0	4.6

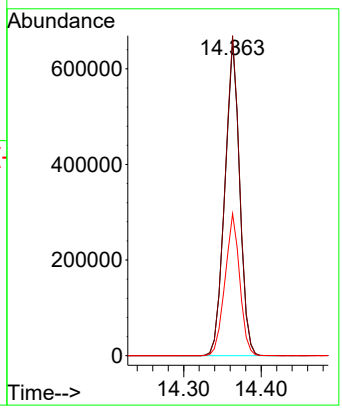




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1
Delta R.T. 0.014 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:164 Resp: 87550

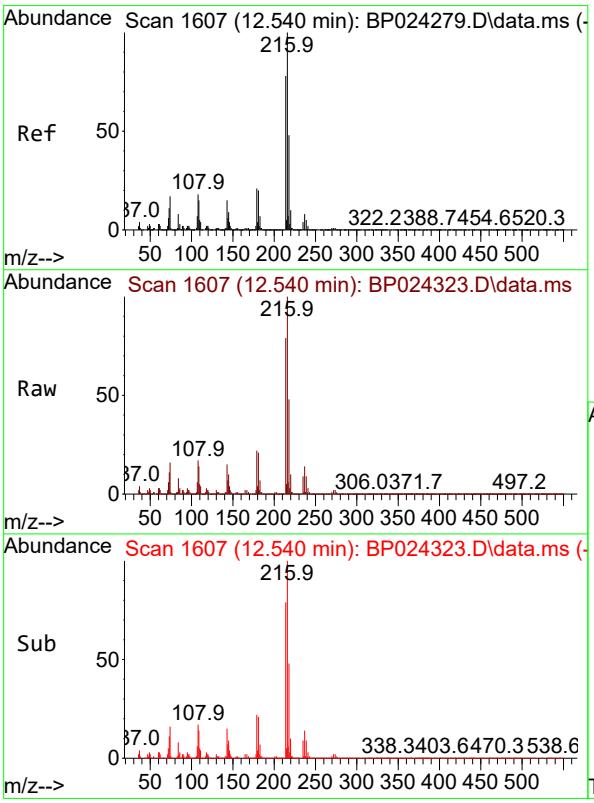
Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.6	120.8
160	45.0	35.3	52.9



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
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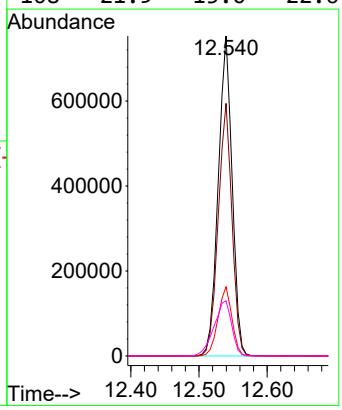
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

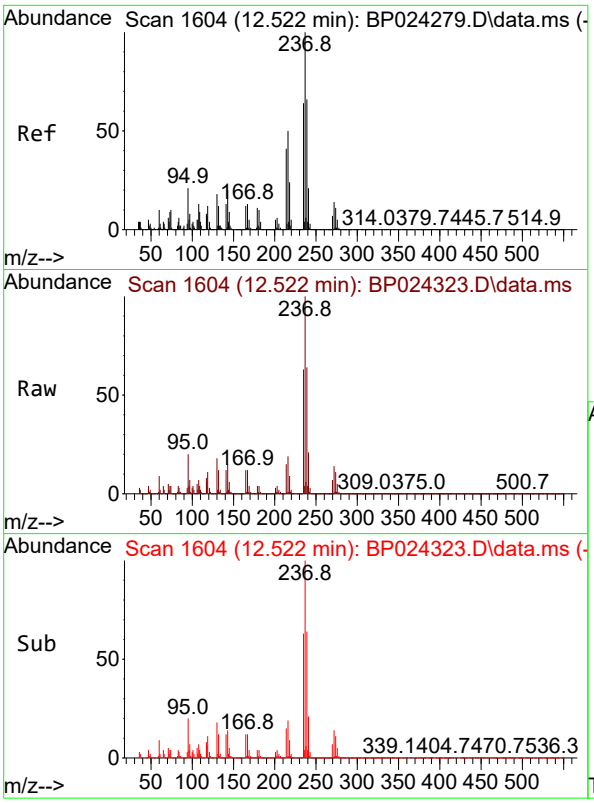


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.301 ng
RT: 12.540 min Scan# 1607
Delta R.T. 0.014 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:216 Resp: 1066625

Ion	Ratio	Lower	Upper
216	100		
214	78.5	62.6	93.8
179	21.6	17.2	25.8
108	21.9	15.0	22.6

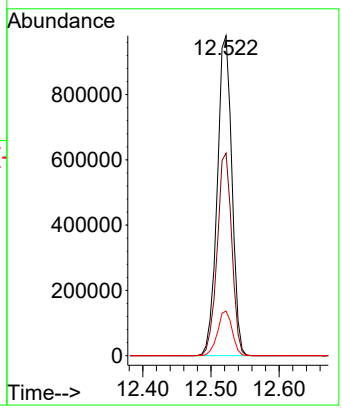




#41
Hexachlorocyclopentadiene
Concen: 171.955 ng
RT: 12.522 min Scan# 1
Delta R.T. 0.014 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:237 Resp: 146423

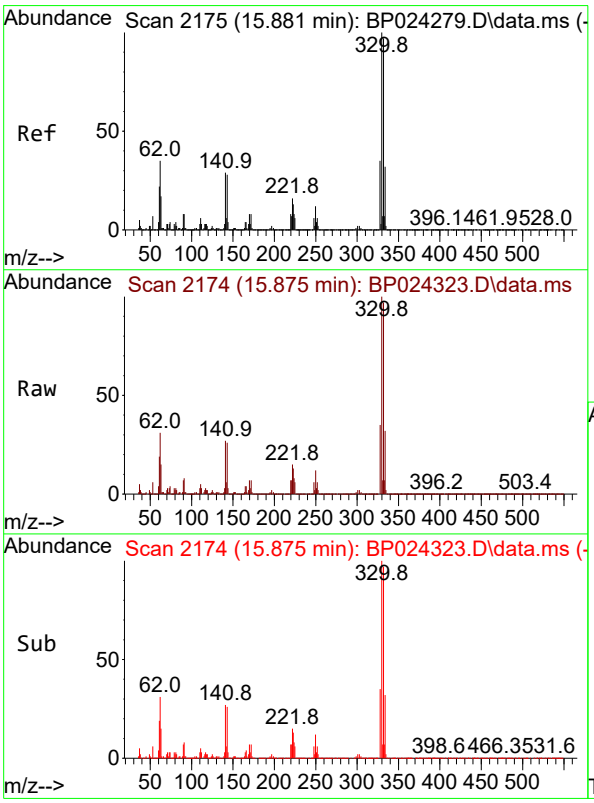
Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.9	83.9
272	14.0	0.0	33.6



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
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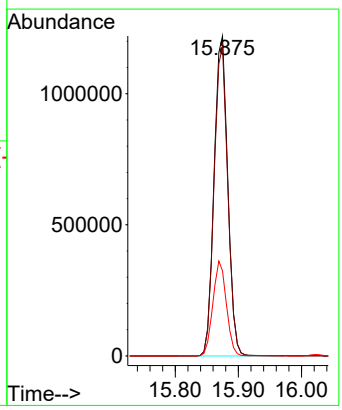
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

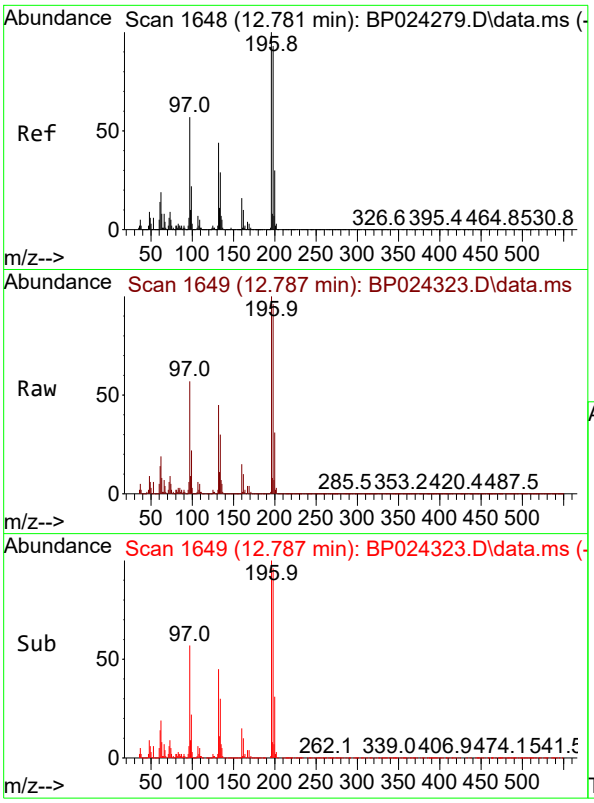


#42
2,4,6-Tribromophenol
Concen: 151.179 ng
RT: 15.875 min Scan# 2174
Delta R.T. 0.002 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:330 Resp: 1831246

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.1	115.7
141	29.3	24.7	37.1





#43
2,4,6-Trichlorophenol
Concen: 50.486 ng
RT: 12.787 min Scan# 1
Delta R.T. 0.020 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

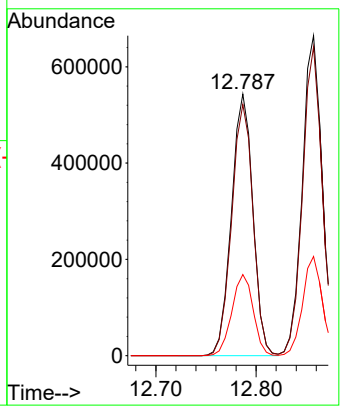
Tgt Ion:196 Resp: 80815

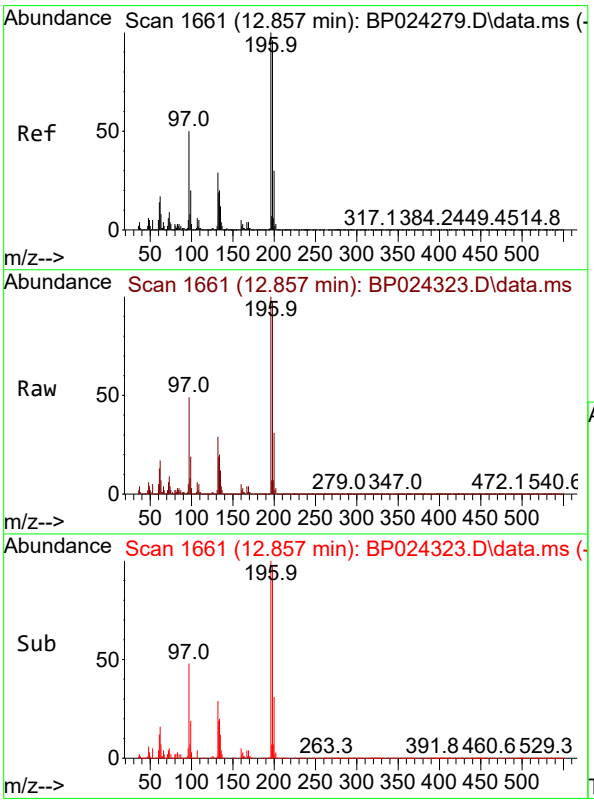
Ion	Ratio	Lower	Upper
196	100		
198	96.1	74.3	111.5
200	31.0	24.0	36.0

Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

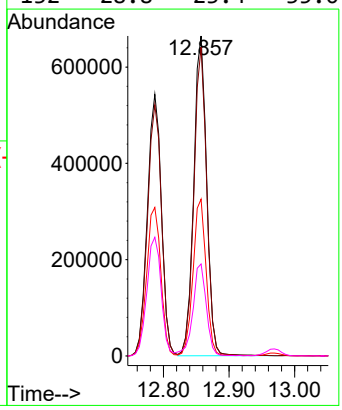


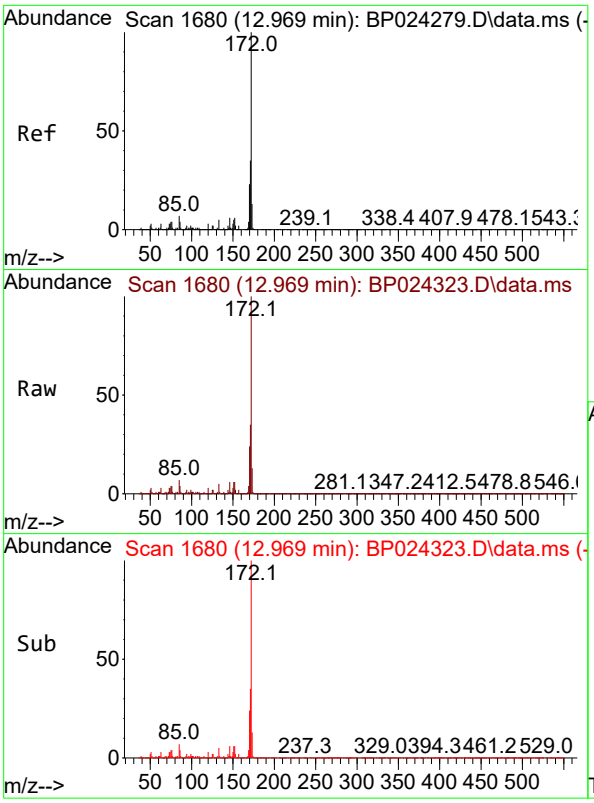


#44
2,4,5-Trichlorophenol
Concen: 51.508 ng
RT: 12.857 min Scan# 1661
Delta R.T. 0.008 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:196 Resp: 913031

Ion	Ratio	Lower	Upper
196	100		
198	96.5	77.3	115.9
97	49.0	40.4	60.6
132	28.8	23.4	35.0

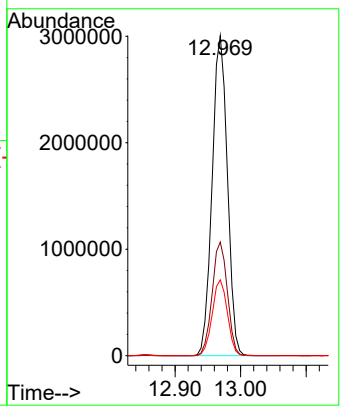




#45
2-Fluorobiphenyl
Concen: 84.675 ng
RT: 12.969 min Scan# 1
Delta R.T. 0.008 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:172 Resp: 484179

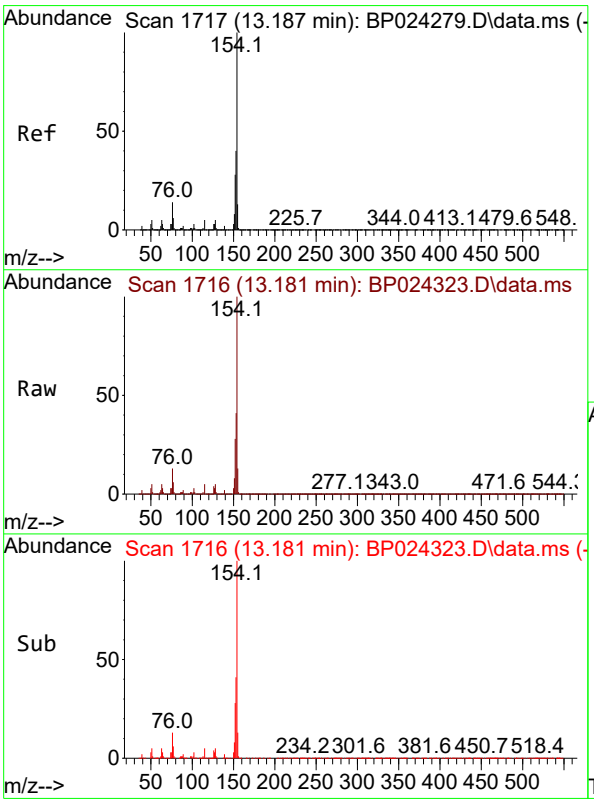
Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.2	42.2
170	23.7	18.6	27.8



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
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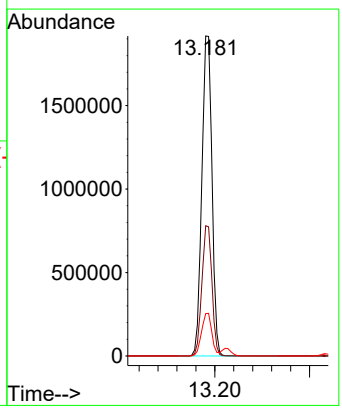
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

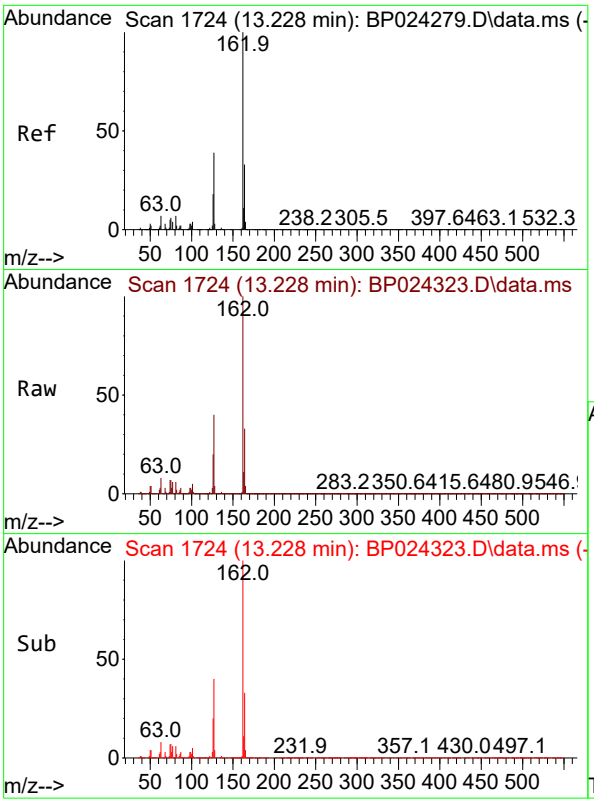


#46
1,1'-Biphenyl
Concen: 44.153 ng
RT: 13.181 min Scan# 1716
Delta R.T. 0.002 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:154 Resp: 2841421

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.3	60.3
76	13.3	0.0	33.5

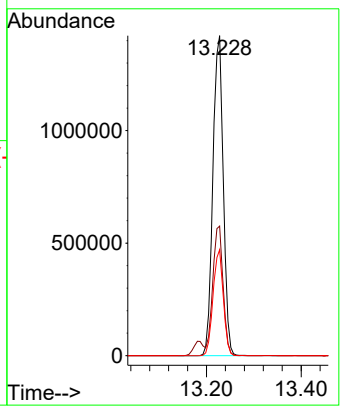




#47
2-Chloronaphthalene
Concen: 44.988 ng
RT: 13.228 min Scan# 1
Delta R.T. 0.014 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:162 Resp: 216382

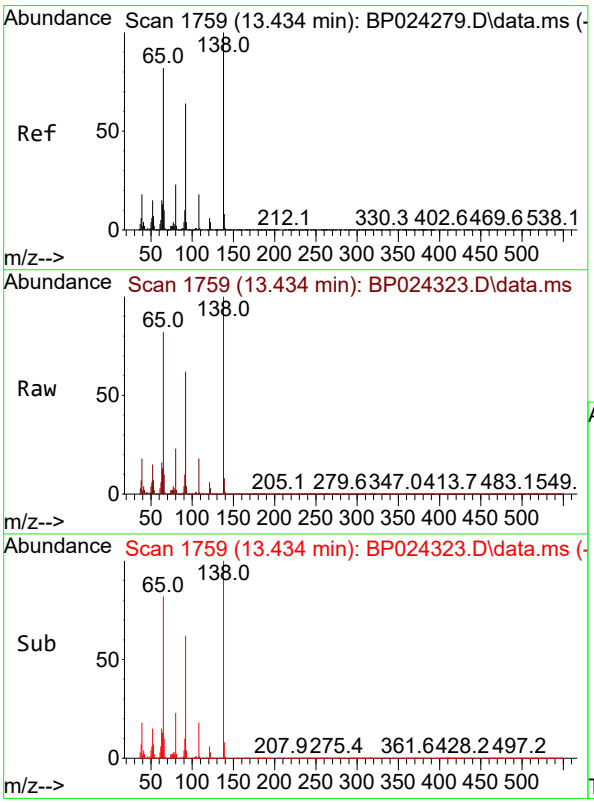
Ion	Ratio	Lower	Upper
162	100		
127	40.5	31.9	47.9
164	33.1	26.2	39.4



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
APPROVED

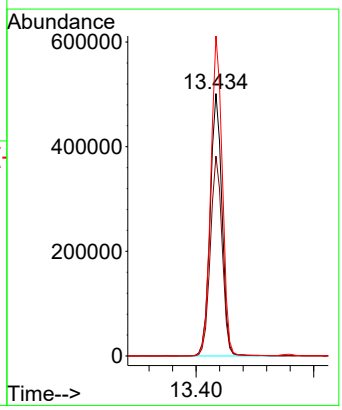
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

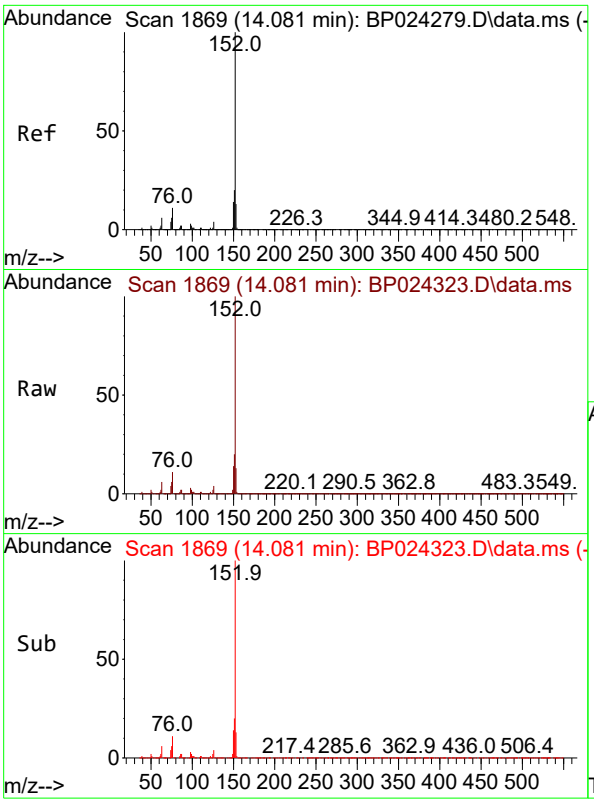


#48
2-Nitroaniline
Concen: 51.804 ng
RT: 13.434 min Scan# 1759
Delta R.T. 0.008 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion: 65 Resp: 698909

Ion	Ratio	Lower	Upper
65	100		
92	76.2	62.3	93.5
138	122.0	97.2	145.8

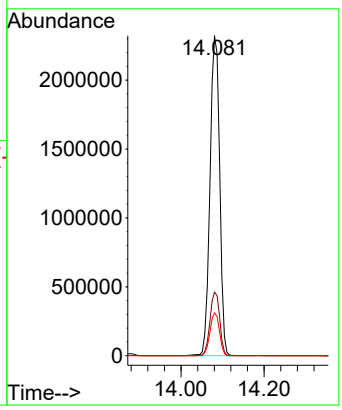




#49
Acenaphthylene
Concen: 49.379 ng
RT: 14.081 min Scan# 1
Delta R.T. 0.014 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:152 Resp: 373926

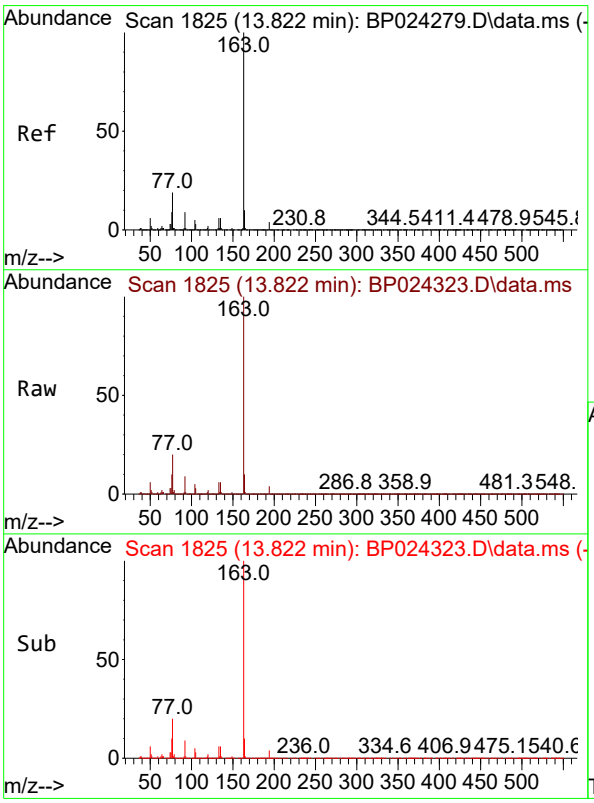
Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	13.4	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
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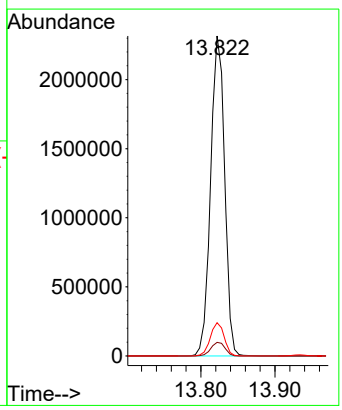
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

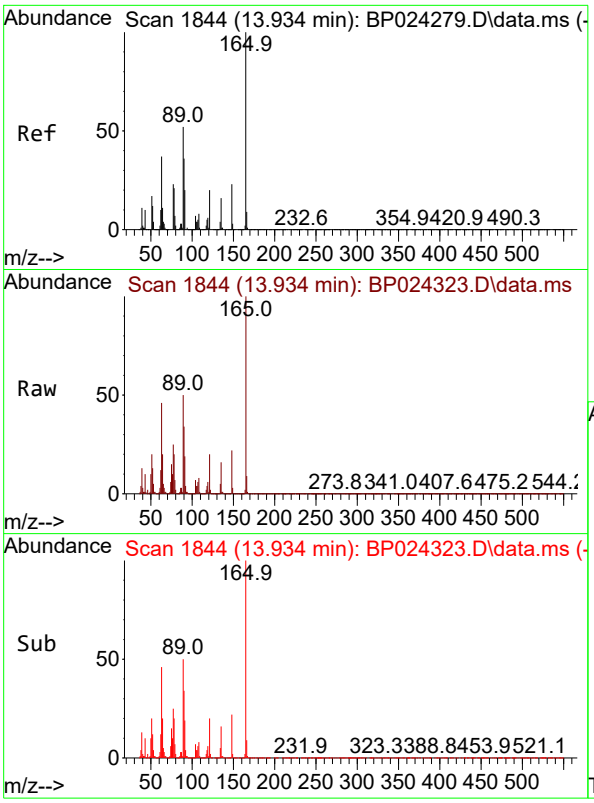


#50
Dimethylphthalate
Concen: 47.782 ng
RT: 13.822 min Scan# 1825
Delta R.T. 0.008 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:163 Resp: 3042218

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	10.4	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 50.813 ng
RT: 13.934 min Scan# 1
Delta R.T. 0.008 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

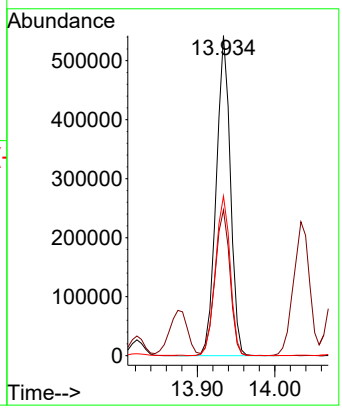
Tgt Ion:165 Resp: 68698

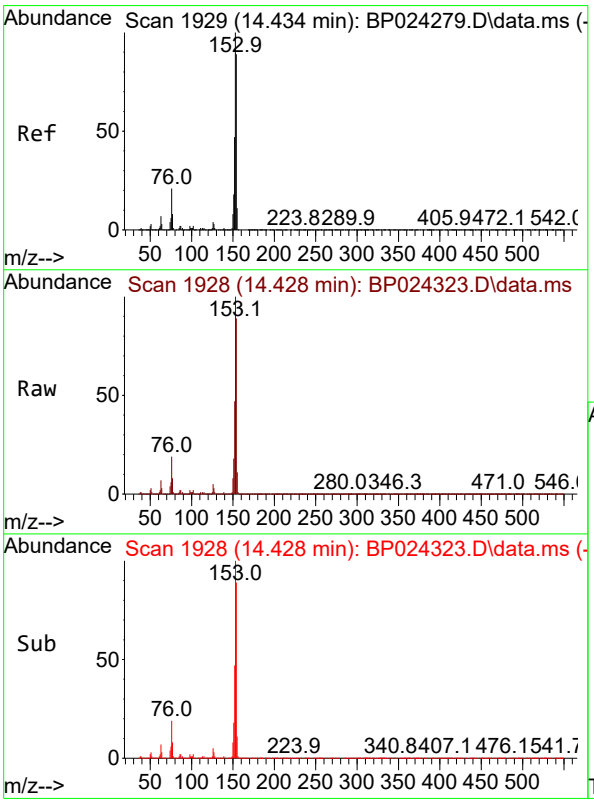
Ion	Ratio	Lower	Upper
165	100		
63	45.5	38.0	57.0
89	49.8	41.7	62.5

Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

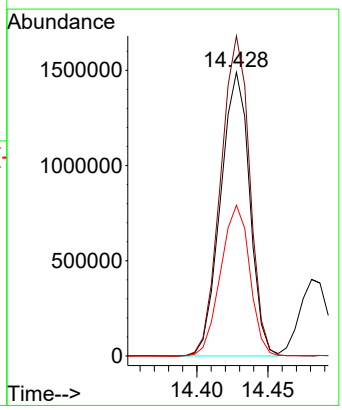


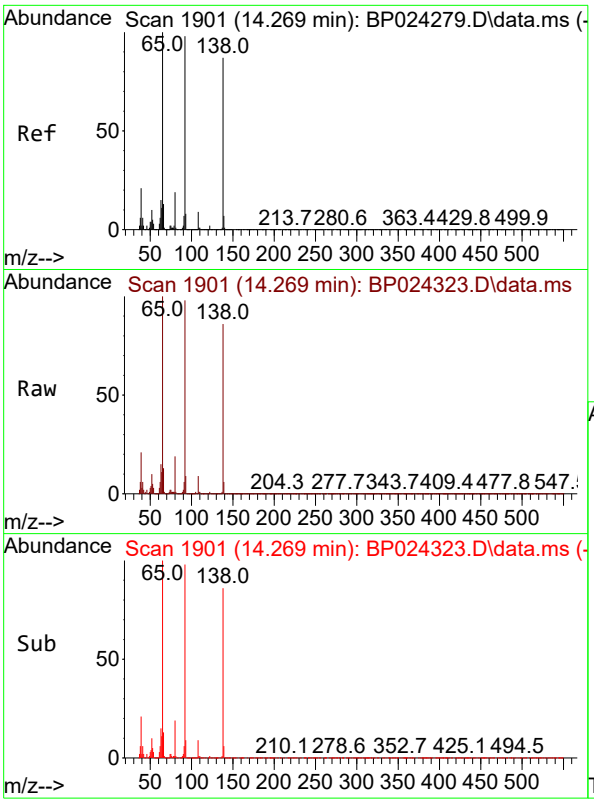


#52
Acenaphthene
Concen: 44.191 ng
RT: 14.428 min Scan# 1928
Delta R.T. 0.008 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:154 Resp: 2121498

Ion	Ratio	Lower	Upper
154	100		
153	112.8	89.8	134.6
152	53.1	42.6	63.8





#53
3-Nitroaniline
Concen: 30.560 ng
RT: 14.269 min Scan# 1
Delta R.T. 0.008 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

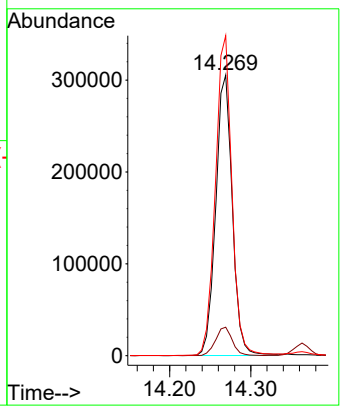
Instrument :
BNA_P
ClientSampleId :
PB167564BSD

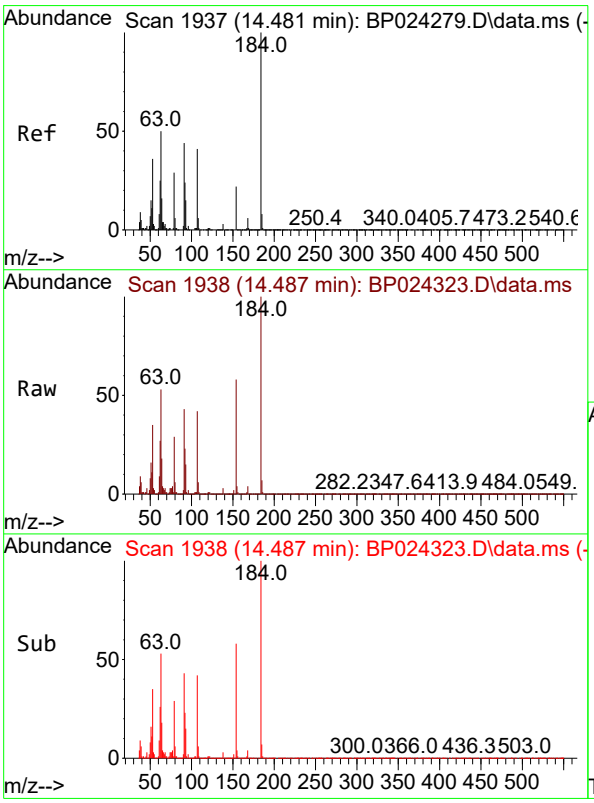
Tgt Ion:138 Resp: 43423

Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.3	12.5
92	114.0	89.8	134.8

Manual Integrations
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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

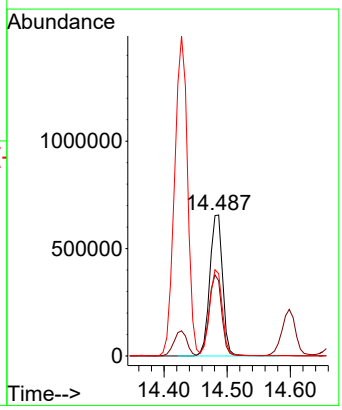


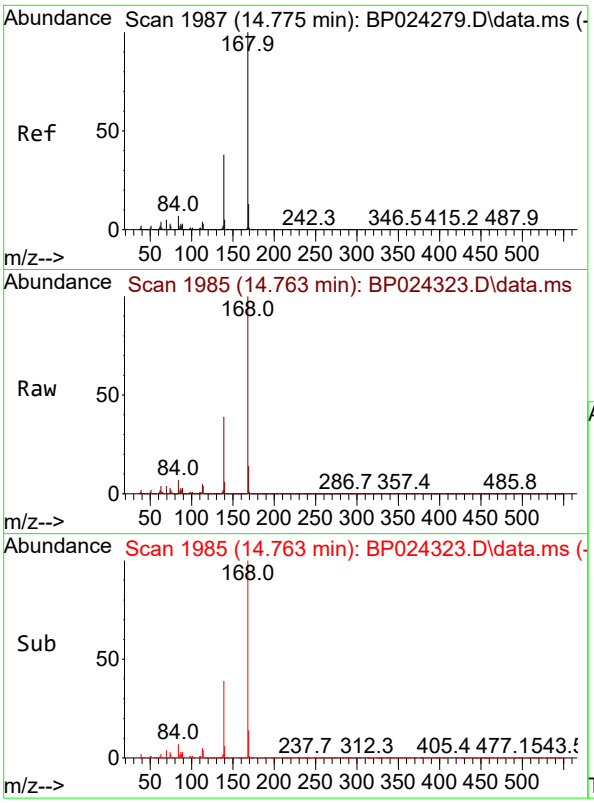


#54
2,4-Dinitrophenol
Concen: 116.879 ng
RT: 14.487 min Scan# 1938
Delta R.T. 0.015 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:184 Resp: 930798

Ion	Ratio	Lower	Upper
184	100		
63	53.2	42.6	64.0
154	58.4	47.2	70.8

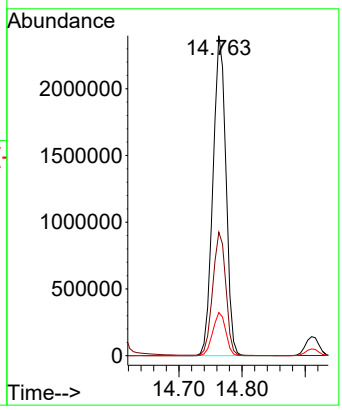




#55
Dibenzofuran
Concen: 43.612 ng
RT: 14.763 min Scan# 1
Delta R.T. 0.002 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:168 Resp: 342232

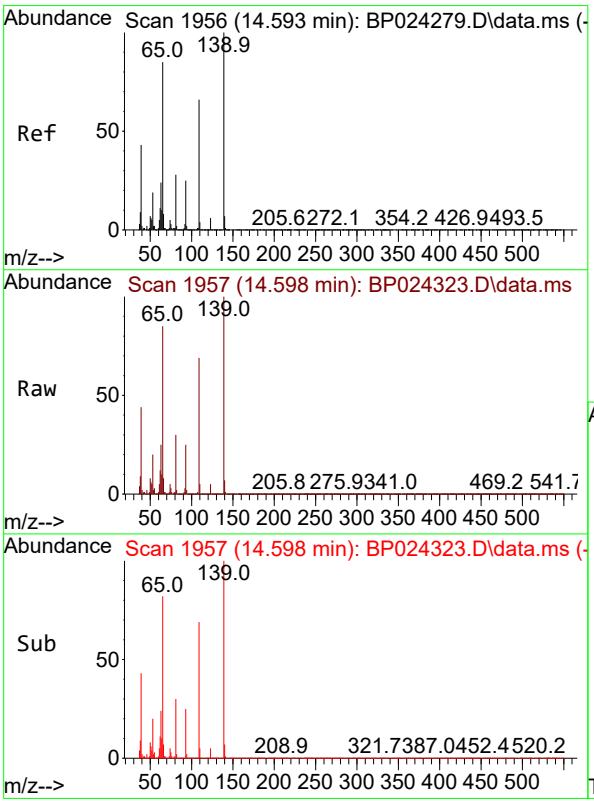
Ion	Ratio	Lower	Upper
168	100		
139	38.6	30.3	45.5
169	13.5	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
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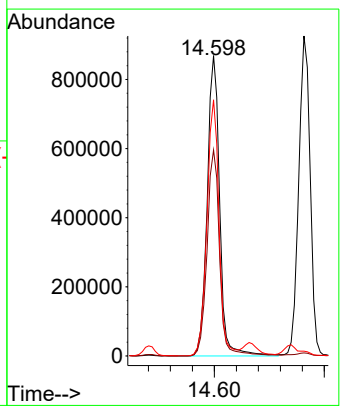
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

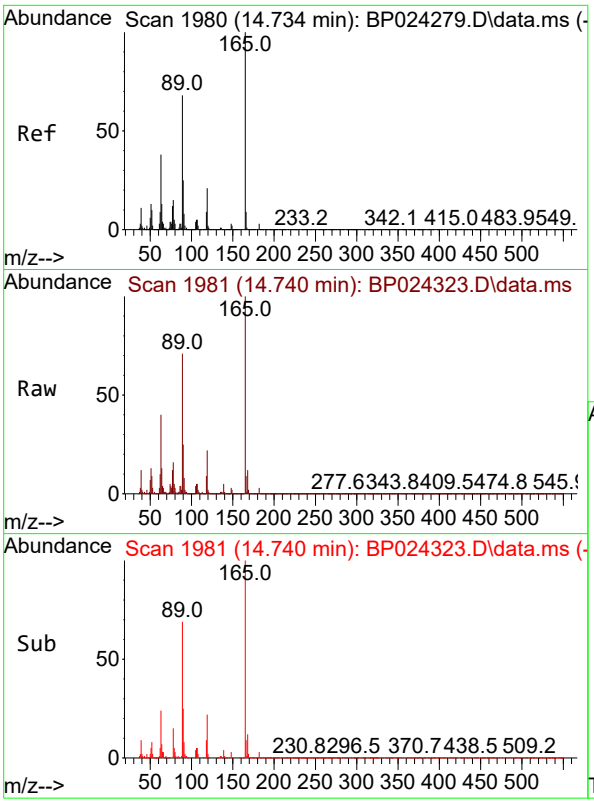


#56
4-Nitrophenol
Concen: 111.403 ng
RT: 14.598 min Scan# 1957
Delta R.T. 0.014 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:139 Resp: 1367153

Ion	Ratio	Lower	Upper
139	100		
109	68.6	46.1	86.1
65	85.3	65.0	105.0

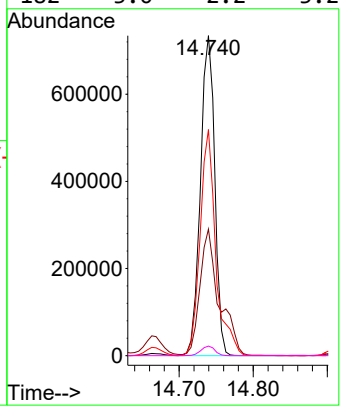




#57
2,4-Dinitrotoluene
Concen: 53.445 ng
RT: 14.740 min Scan# 1
Delta R.T. 0.014 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:165 Resp: 98567

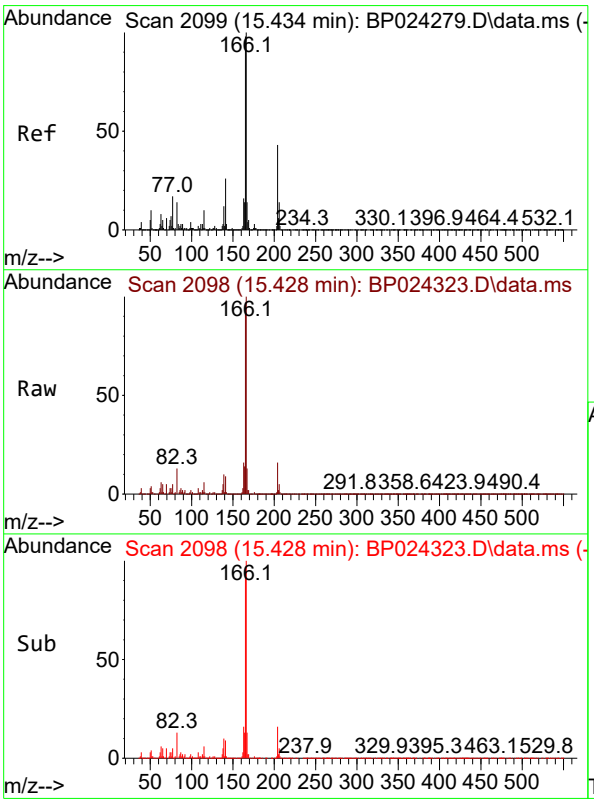
Ion	Ratio	Lower	Upper
165	100		
63	39.5	30.4	45.6
89	70.7	54.6	82.0
182	3.0	2.2	3.2



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
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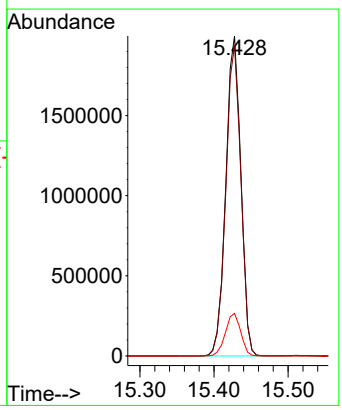
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

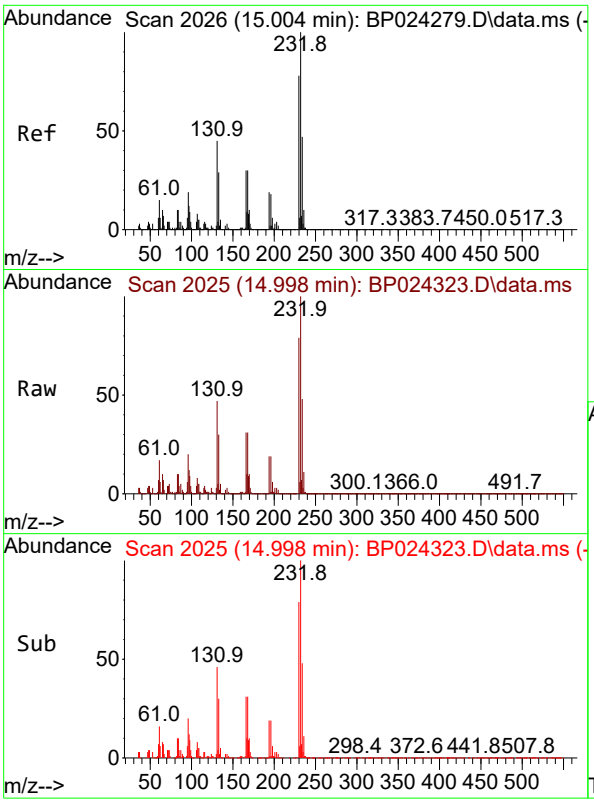


#58
Fluorene
Concen: 46.341 ng
RT: 15.428 min Scan# 2098
Delta R.T. 0.008 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:166 Resp: 2815136

Ion	Ratio	Lower	Upper
166	100		
165	97.1	78.1	117.1
167	13.3	10.9	16.3

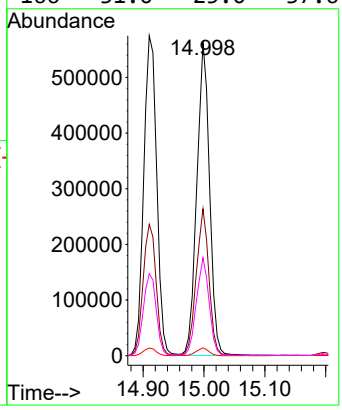




#59
2,3,4,6-Tetrachlorophenol
Concen: 50.120 ng
RT: 14.998 min Scan# 2
Delta R.T. 0.014 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:232 Resp: 81940

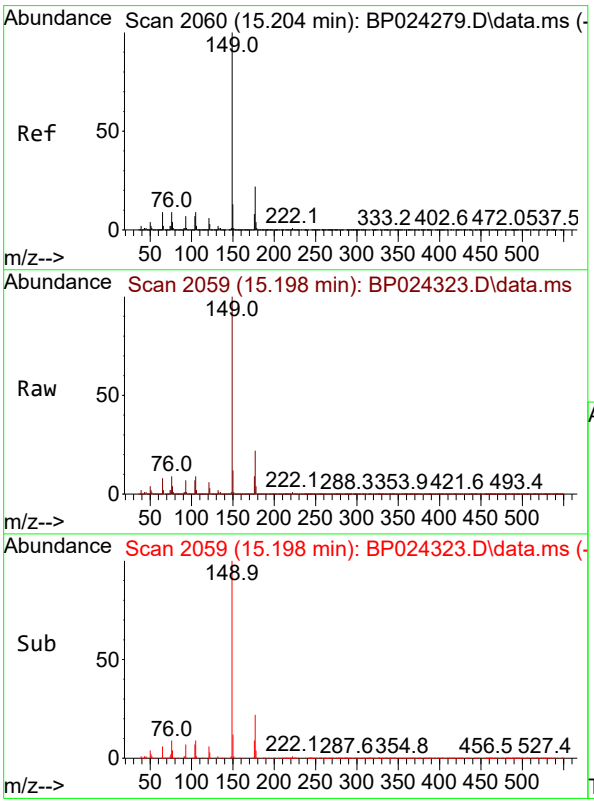
Ion	Ratio	Lower	Upper
232	100		
131	46.4	36.8	55.2
130	2.5	1.9	2.9
166	31.0	25.0	37.6



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
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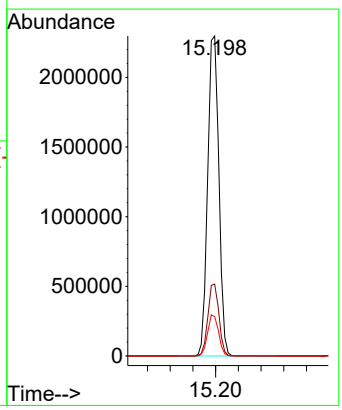
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

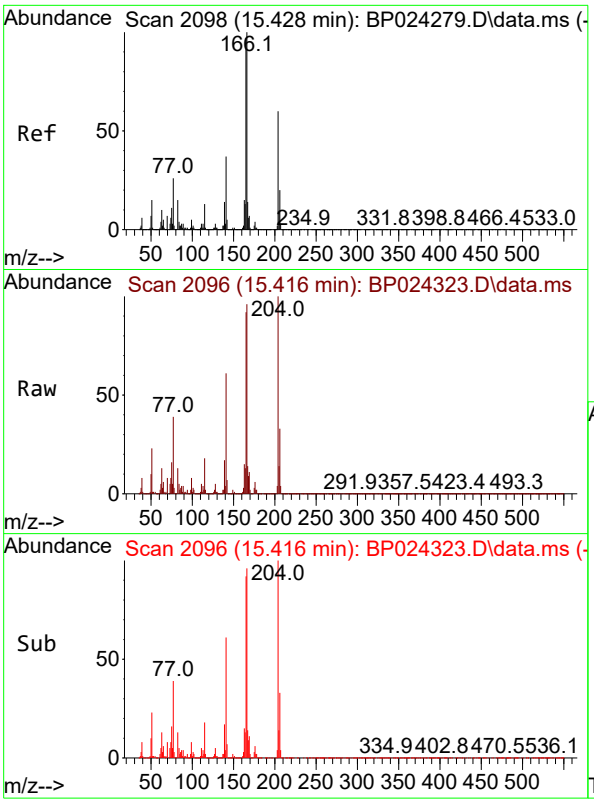


#60
Diethylphthalate
Concen: 47.571 ng
RT: 15.198 min Scan# 2059
Delta R.T. -0.003 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:149 Resp: 3121191

Ion	Ratio	Lower	Upper
149	100		
177	22.5	17.4	26.2
150	12.3	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 46.802 ng
RT: 15.416 min Scan# 2
Delta R.T. -0.003 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

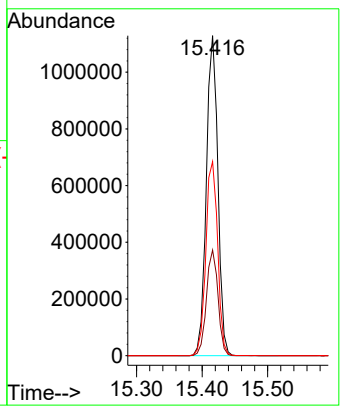
Instrument :
BNA_P
ClientSampleId :
PB167564BSD

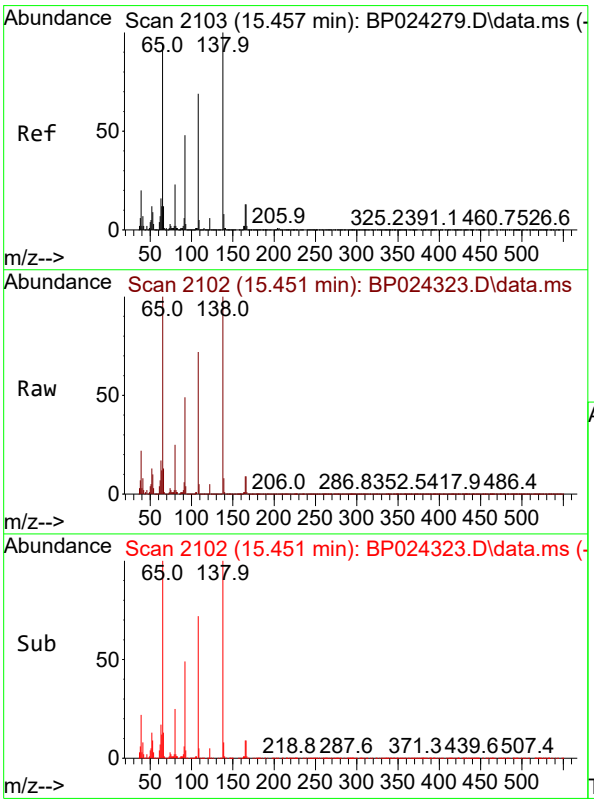
Tgt Ion:204 Resp: 138063

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.5	39.7
141	60.6	49.4	74.0

Manual Integrations
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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

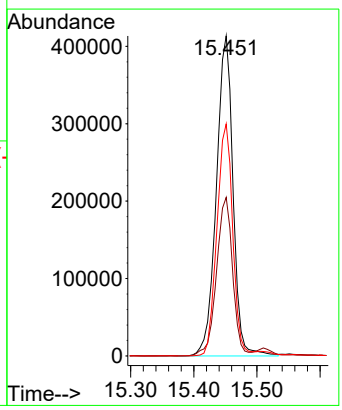


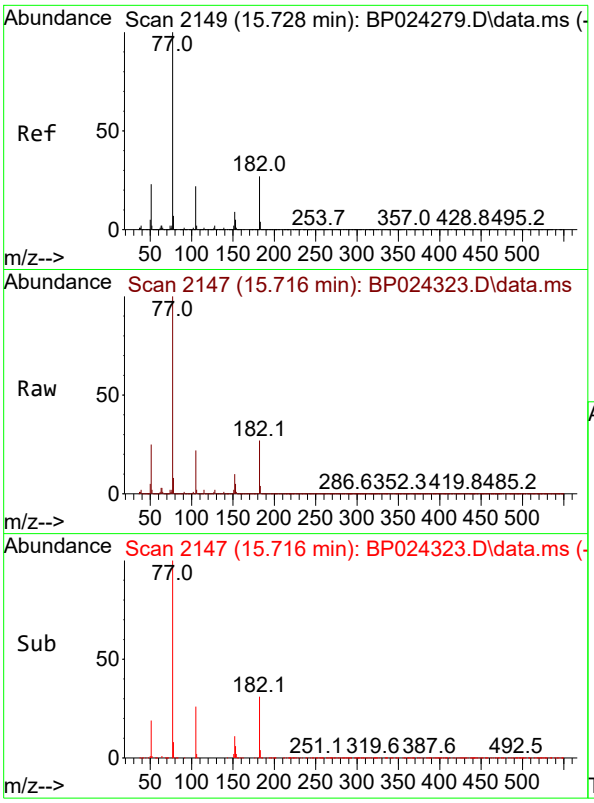


#62
4-Nitroaniline
Concen: 50.367 ng
RT: 15.451 min Scan# 2102
Delta R.T. 0.002 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:138 Resp: 757647

Ion	Ratio	Lower	Upper
138	100		
92	49.6	27.8	67.8
108	72.5	48.9	88.9

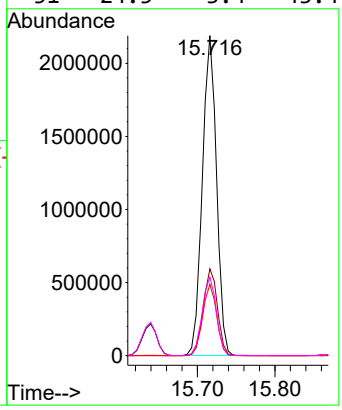




#63
Azobenzene
Concen: 46.085 ng
RT: 15.716 min Scan# 2
Delta R.T. -0.003 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion: 77 Resp: 277915

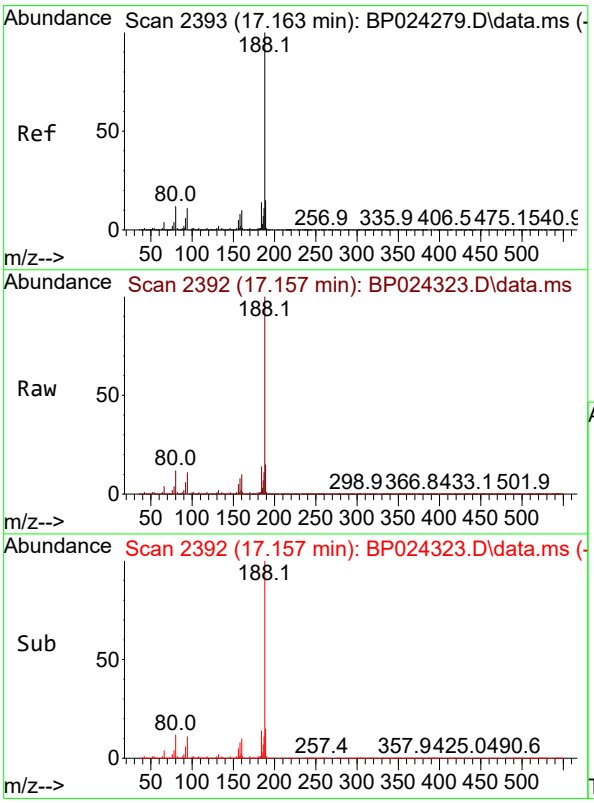
Ion	Ratio	Lower	Upper
77	100		
182	27.1	7.3	47.3
105	22.3	2.3	42.3
51	24.5	3.4	43.4



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

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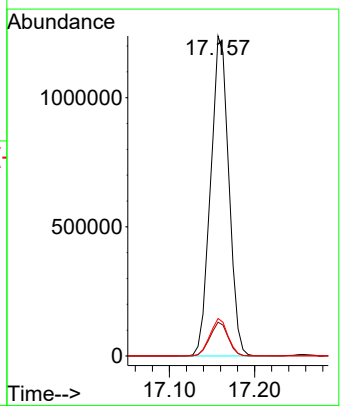
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

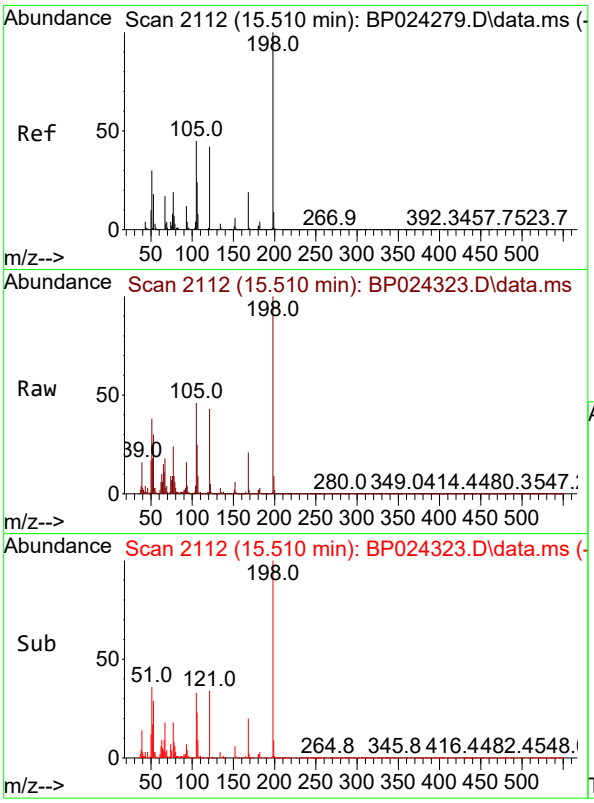


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2392
Delta R.T. -0.003 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:188 Resp: 1837449

Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.6	13.0
80	11.7	9.8	14.6





#65
4,6-Dinitro-2-methylphenol
Concen: 51.003 ng
RT: 15.510 min Scan# 2
Delta R.T. 0.002 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

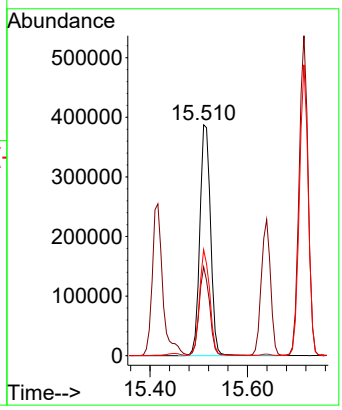
Tgt Ion:198 Resp: 59084

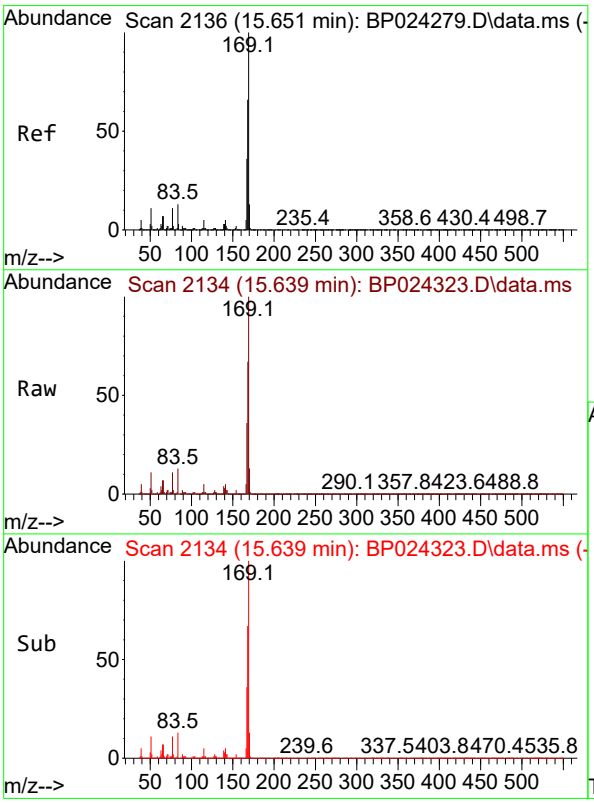
Ion	Ratio	Lower	Upper
198	100		
51	38.4	18.4	58.4
105	45.9	26.5	66.5

Instrument :
BNA_P
ClientSampleId :
PB167564BSD

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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

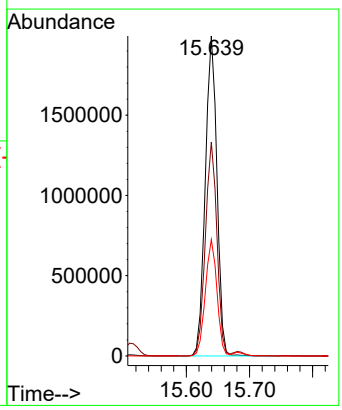


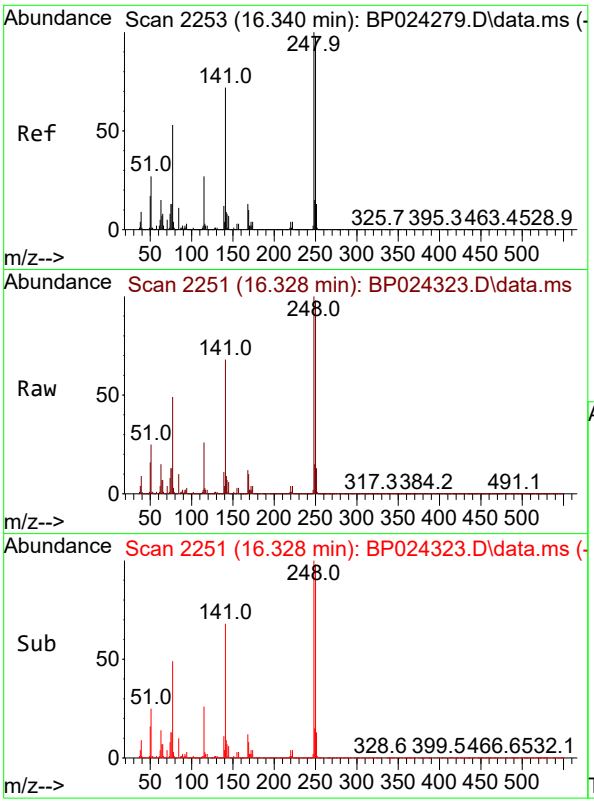


#66
n-Nitrosodiphenylamine
Concen: 46.554 ng
RT: 15.639 min Scan# 2134
Delta R.T. 0.002 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:169 Resp: 2553196

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.0	79.4
167	36.3	28.9	43.3

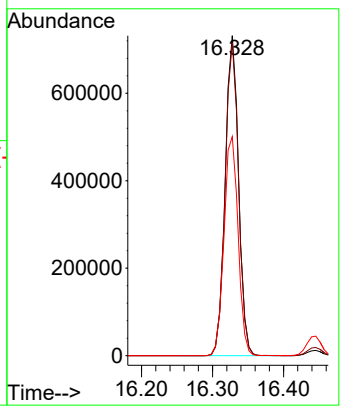




#67
4-Bromophenyl-phenylether
Concen: 47.539 ng
RT: 16.328 min Scan# 2
Delta R.T. 0.002 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:248 Resp: 95533

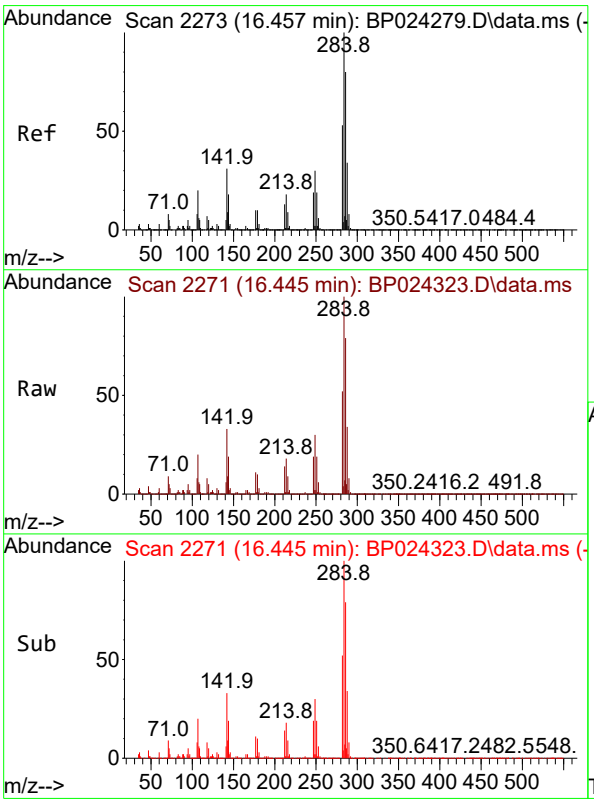
Ion	Ratio	Lower	Upper
248	100		
250	97.8	78.2	117.4
141	68.4	57.7	86.5



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
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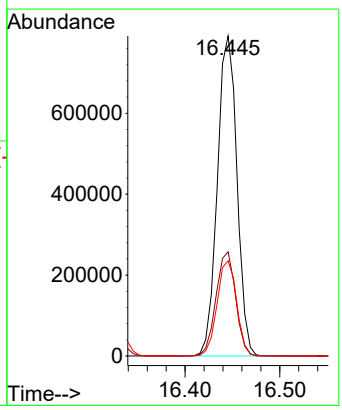
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

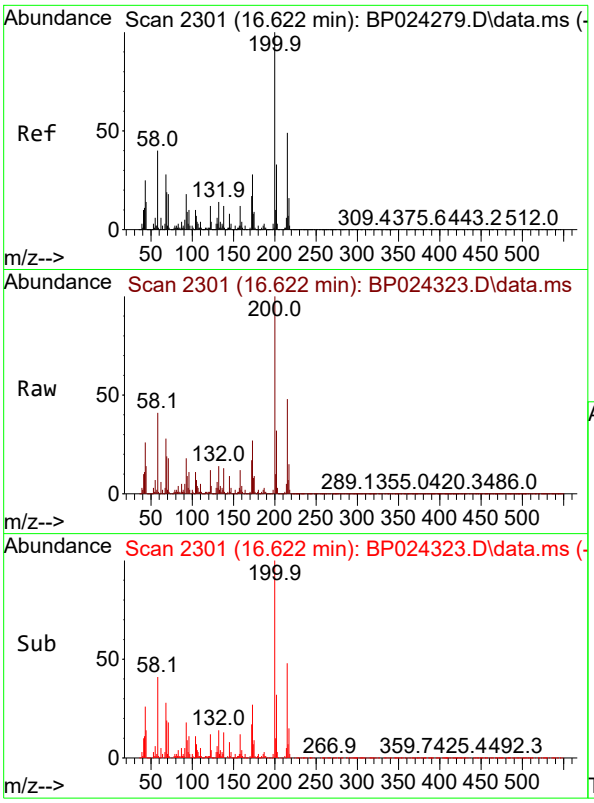


#68
Hexachlorobenzene
Concen: 47.680 ng
RT: 16.445 min Scan# 2271
Delta R.T. -0.003 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:284 Resp: 1138569

Ion	Ratio	Lower	Upper
284	100		
142	32.5	24.6	37.0
249	29.7	23.8	35.6

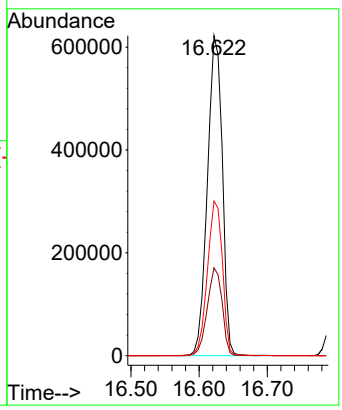




#69
Atrazine
Concen: 67.916 ng
RT: 16.622 min Scan# 2
Delta R.T. 0.020 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:200 Resp: 94866

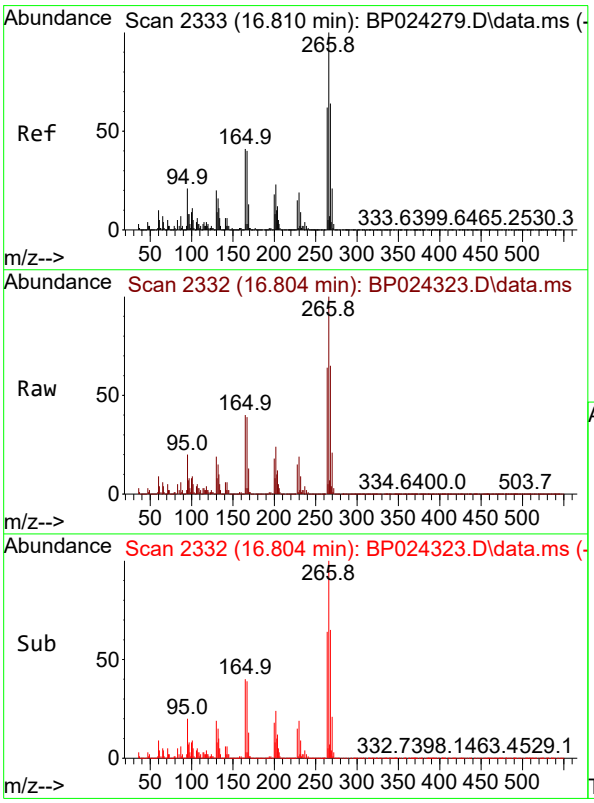
Ion	Ratio	Lower	Upper
200	100		
173	27.4	7.5	47.5
215	48.3	28.8	68.8



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
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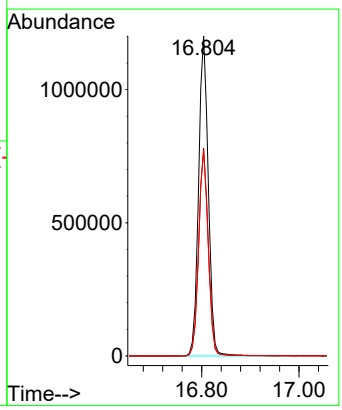
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

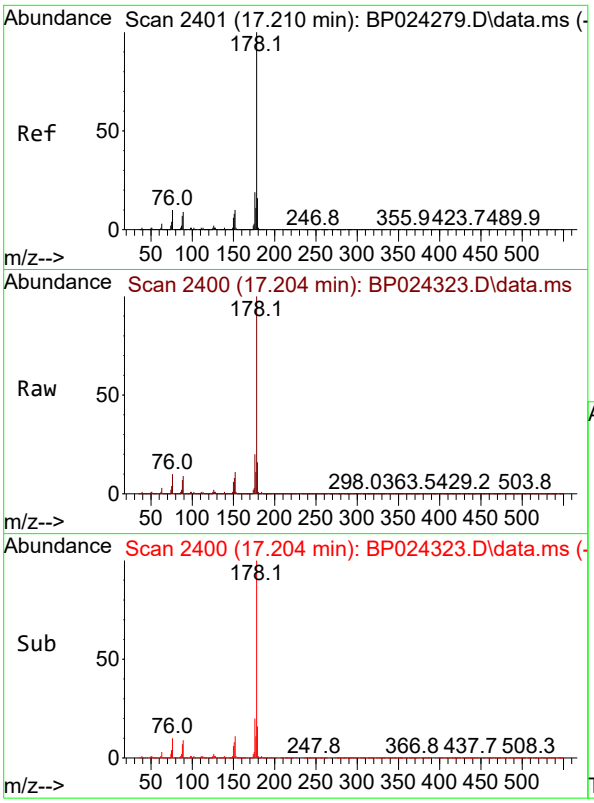


#70
Pentachlorophenol
Concen: 100.110 ng
RT: 16.804 min Scan# 2332
Delta R.T. -0.003 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:266 Resp: 1667730

Ion	Ratio	Lower	Upper
266	100		
268	65.0	51.0	76.6
264	64.2	49.8	74.6

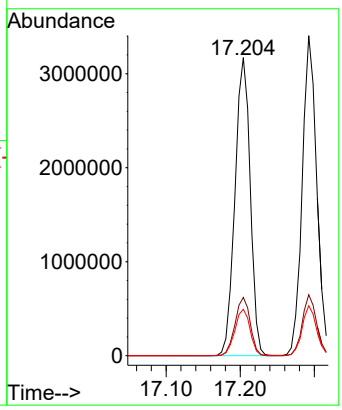




#71
Phenanthrene
Concen: 45.162 ng
RT: 17.204 min Scan# 24
Delta R.T. -0.003 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:178 Resp: 452695

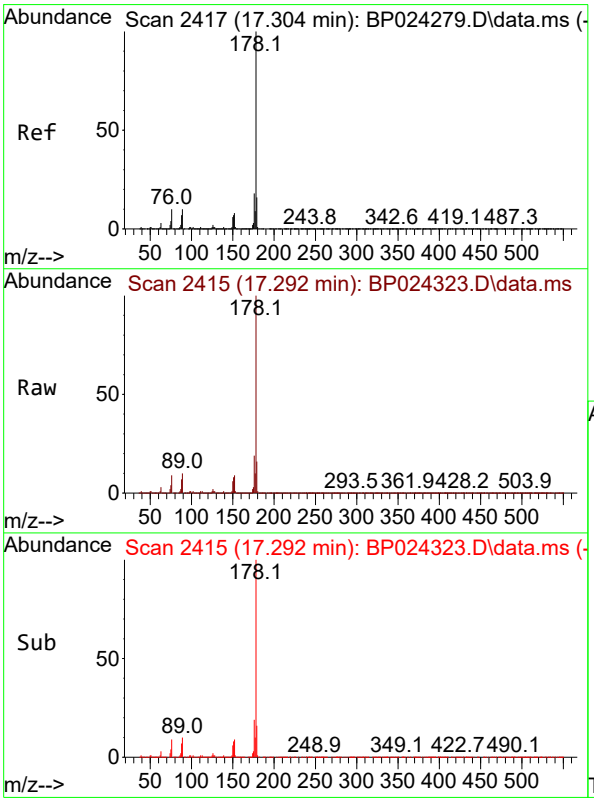
Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.0
179	15.6	12.5	18.7



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
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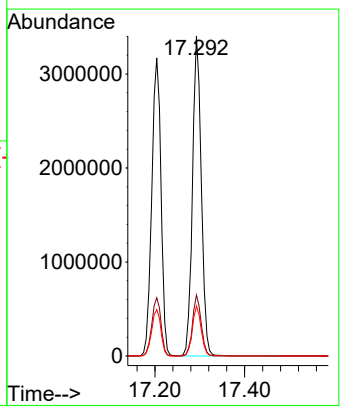
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

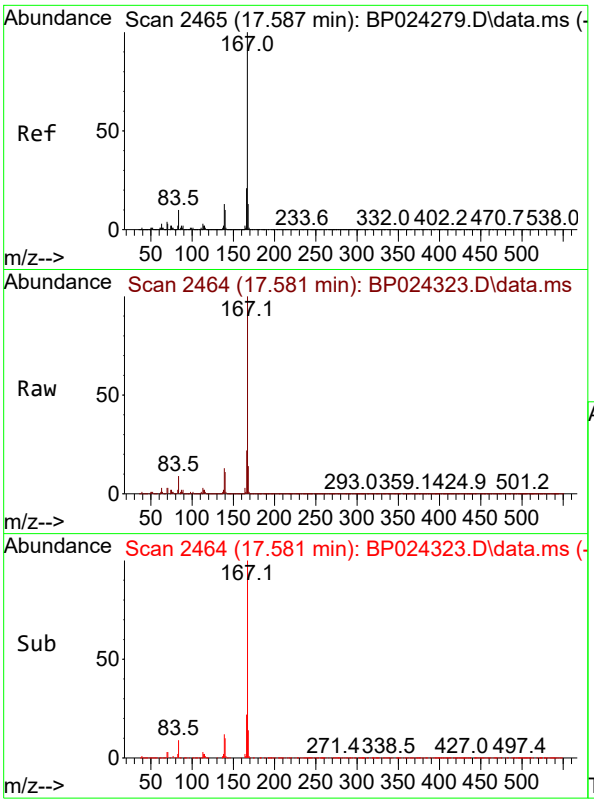


#72
Anthracene
Concen: 48.085 ng
RT: 17.292 min Scan# 2415
Delta R.T. -0.003 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:178 Resp: 4645447

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.7	22.1
179	15.6	12.4	18.6

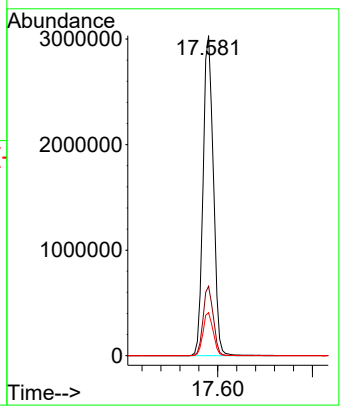




#73
Carbazole
Concen: 48.296 ng
RT: 17.581 min Scan# 24
Delta R.T. -0.003 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:167 Resp: 455889

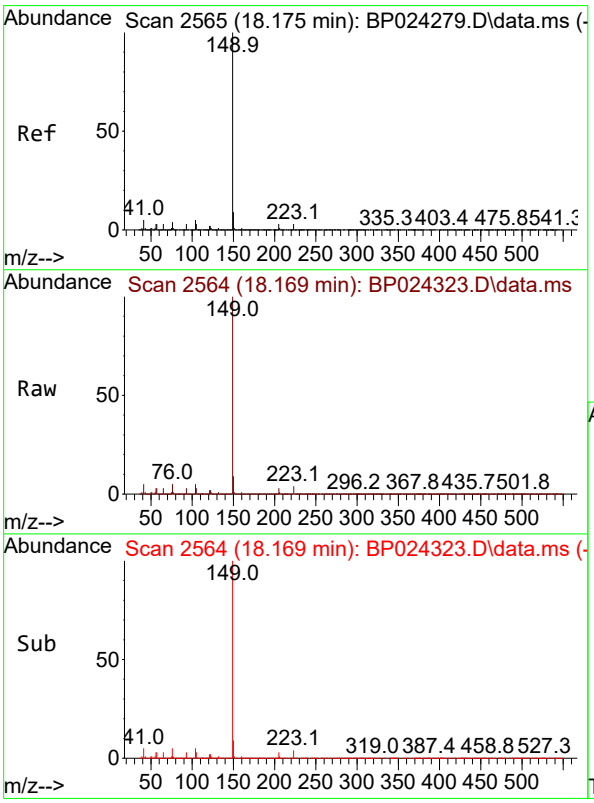
Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.1	25.7
139	13.5	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
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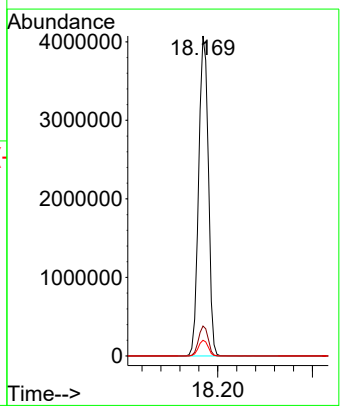
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

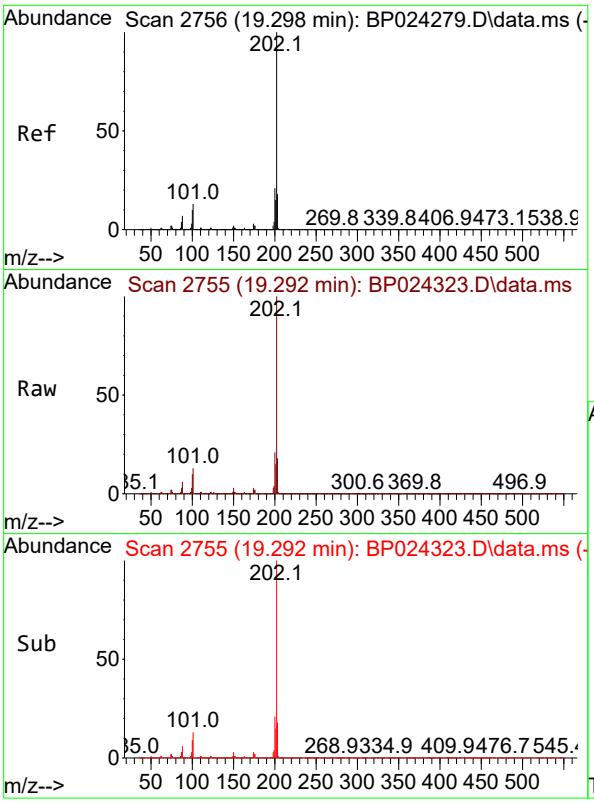


#74
Di-n-butylphthalate
Concen: 49.026 ng
RT: 18.169 min Scan# 2564
Delta R.T. -0.003 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:149 Resp: 5765574

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	4.9	3.9	5.9





#75
Fluoranthene
Concen: 46.515 ng
RT: 19.292 min Scan# 2
Delta R.T. -0.003 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

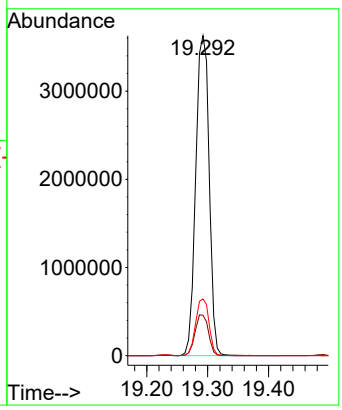
Tgt Ion:202 Resp: 554531

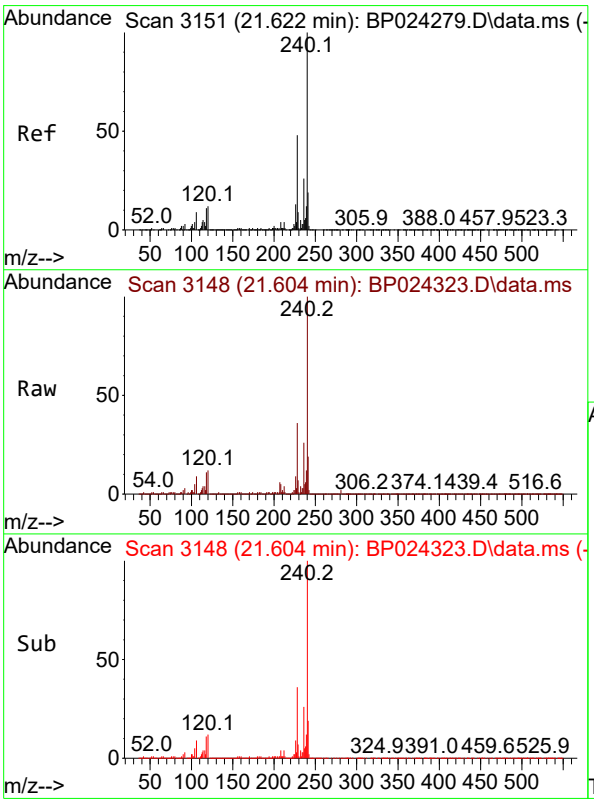
Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.2
203	17.7	0.0	37.7

Instrument :
BNA_P
ClientSampleId :
PB167564BSD

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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

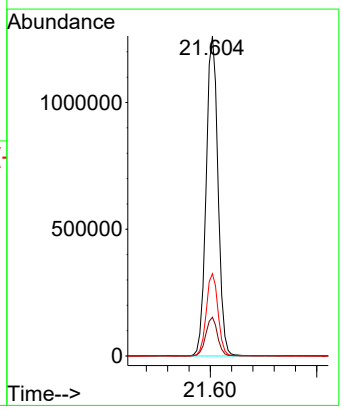


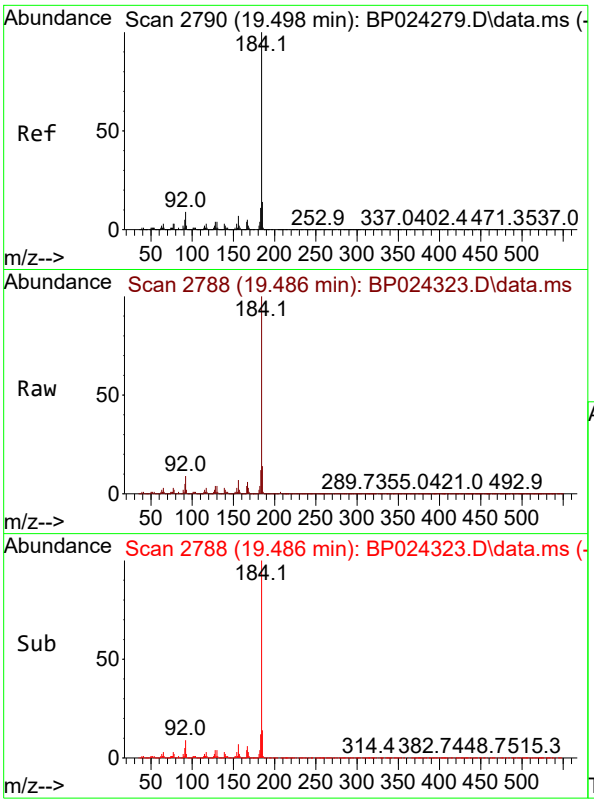


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.604 min Scan# 3148
Delta R.T. 0.002 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:240 Resp: 1940224

Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.8	14.8
236	25.7	20.9	31.3





#77
Benzidine
Concen: 81.248 ng
RT: 19.486 min Scan# 2
Delta R.T. -0.003 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

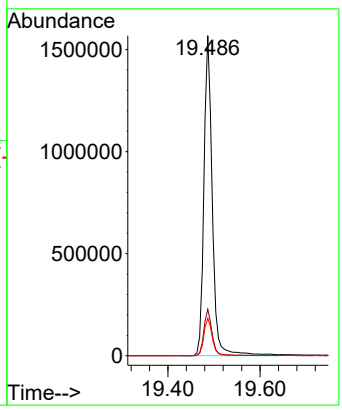
Tgt Ion:184 Resp: 199821

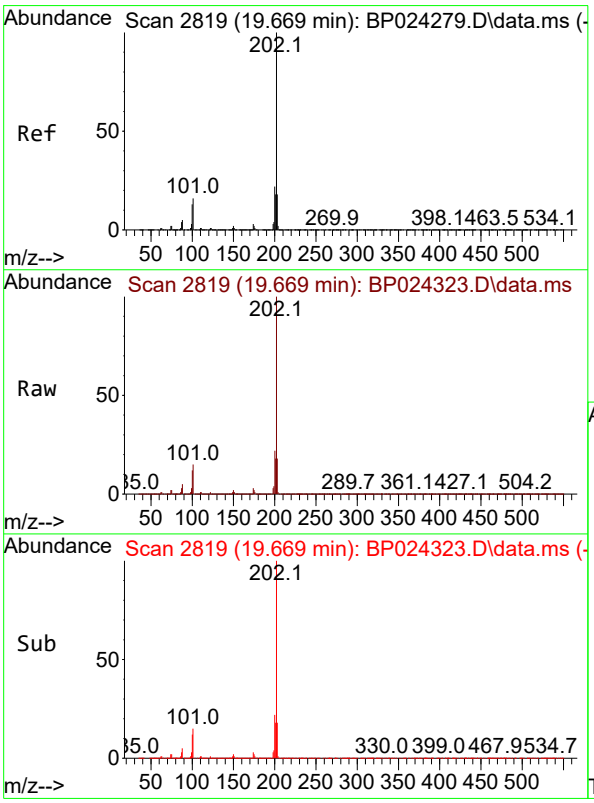
Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.6	17.4
183	11.6	9.2	13.8

Instrument :
BNA_P
ClientSampleId :
PB167564BSD

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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

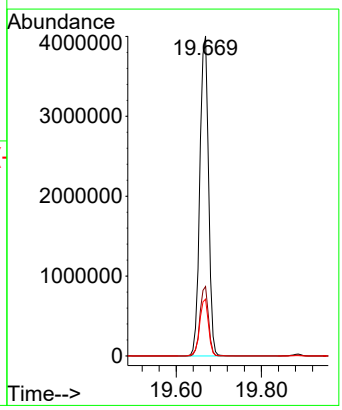


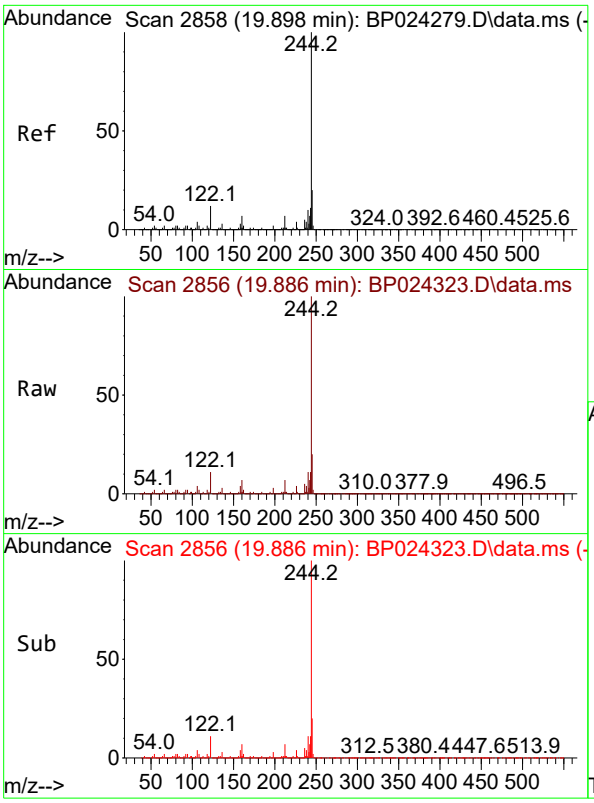


#78
Pyrene
Concen: 45.918 ng
RT: 19.669 min Scan# 2819
Delta R.T. 0.002 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:202 Resp: 5661848

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.2	25.8
203	17.7	14.4	21.6





#79
Terphenyl-d14
Concen: 90.309 ng
RT: 19.886 min Scan# 2
Delta R.T. -0.015 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

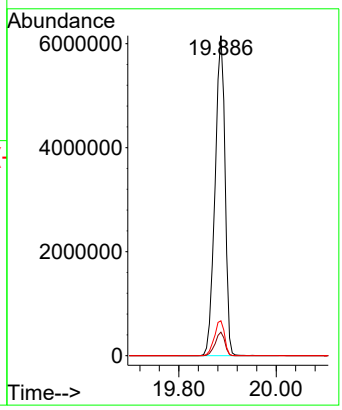
Tgt Ion:244 Resp: 869303

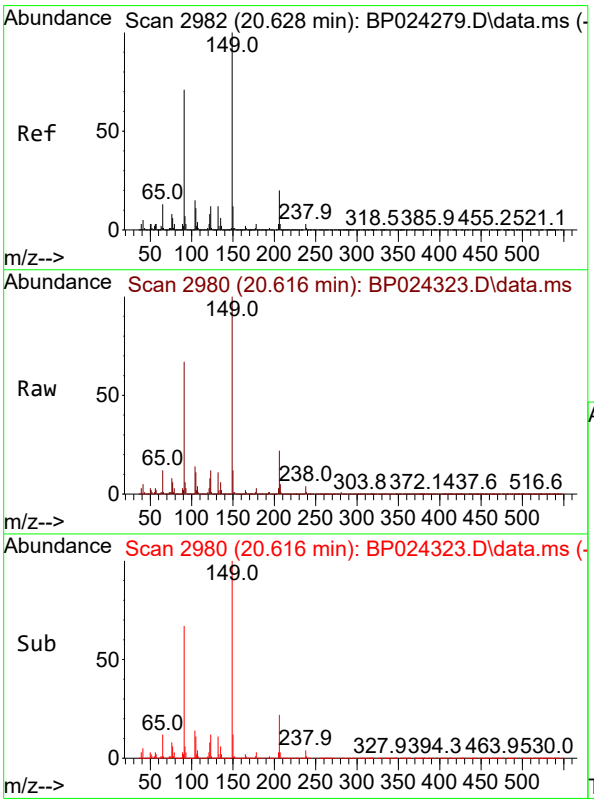
Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.6	8.4
122	10.9	9.4	14.0

Instrument :
BNA_P
ClientSampleId :
PB167564BSD

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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

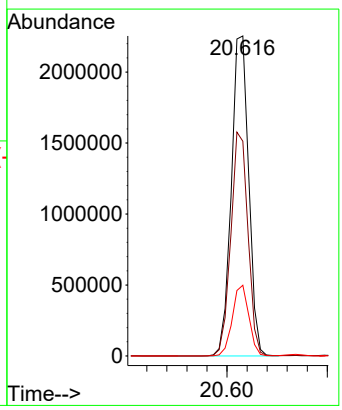


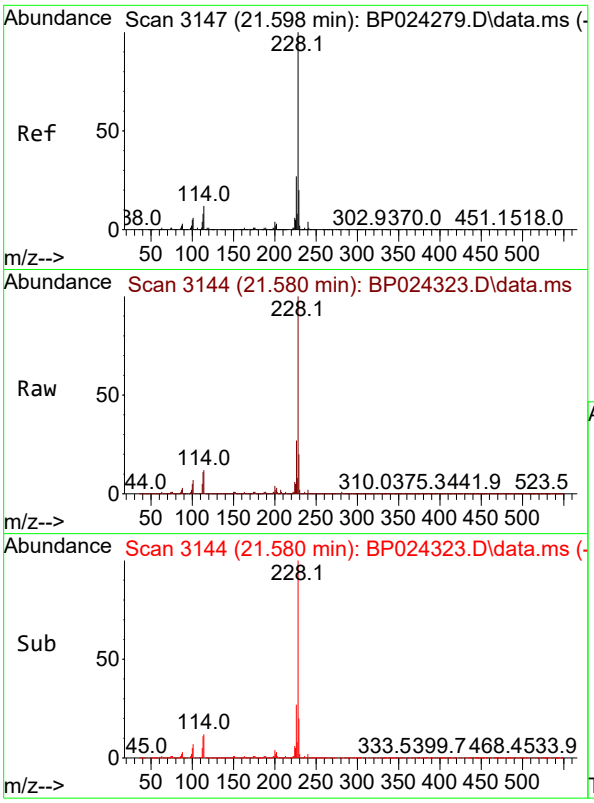


#80
Butylbenzylphthalate
Concen: 51.361 ng
RT: 20.616 min Scan# 2980
Delta R.T. -0.009 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:149 Resp: 2712595

Ion	Ratio	Lower	Upper
149	100		
91	67.1	56.4	84.6
206	22.1	16.3	24.5

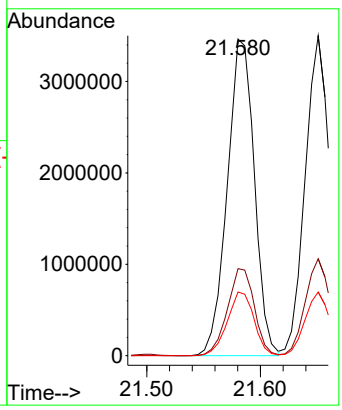




#81
Benzo(a)anthracene
Concen: 47.634 ng
RT: 21.580 min Scan# 3
Delta R.T. -0.003 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:228 Resp: 574444

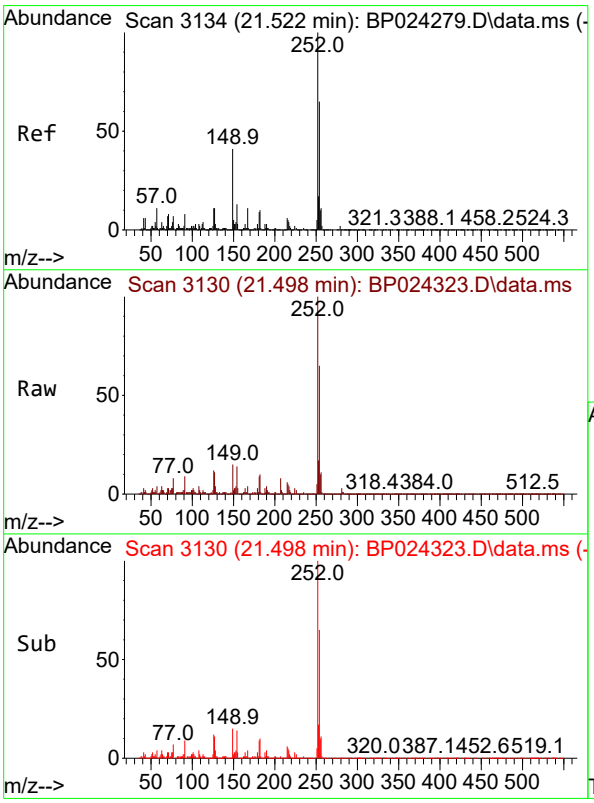
Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.8	32.8
229	20.1	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
APPROVED

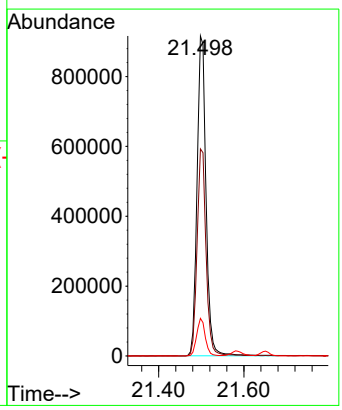
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

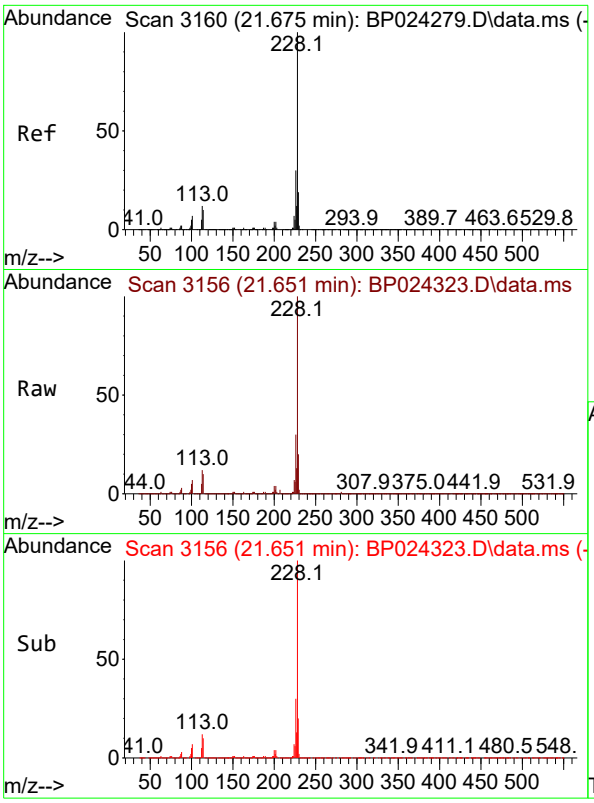


#82
3,3'-Dichlorobenzidine
Concen: 31.668 ng
RT: 21.498 min Scan# 3130
Delta R.T. -0.021 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:252 Resp: 1340459

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.7	77.5
126	11.8	8.8	13.2

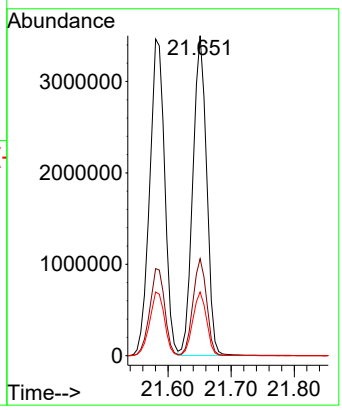




#83
Chrysene
Concen: 45.871 ng
RT: 21.651 min Scan# 3
Delta R.T. -0.009 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:228 Resp: 529982

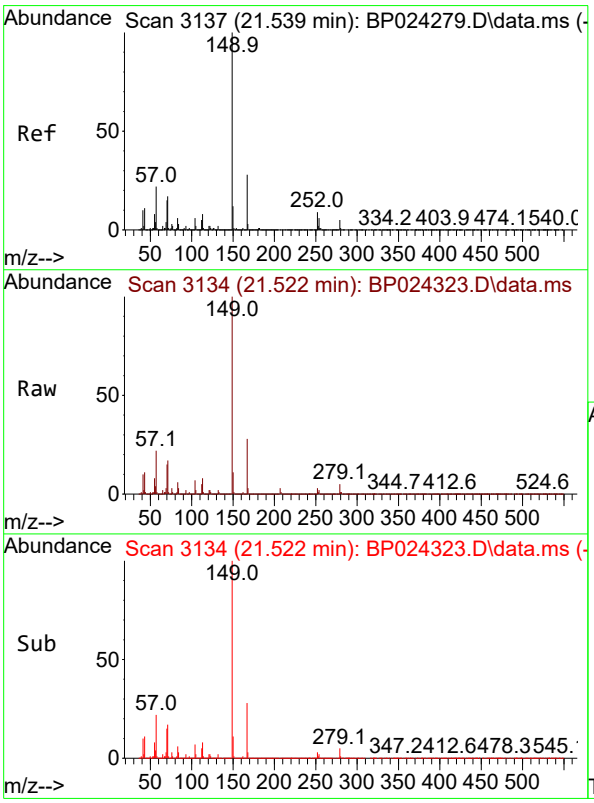
Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.2	36.2
229	19.9	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
APPROVED

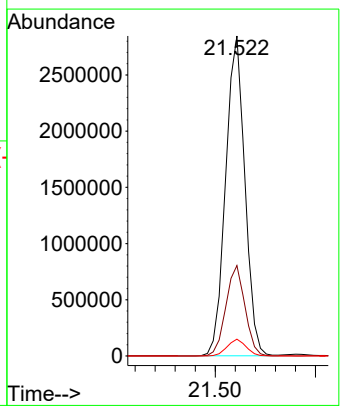
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

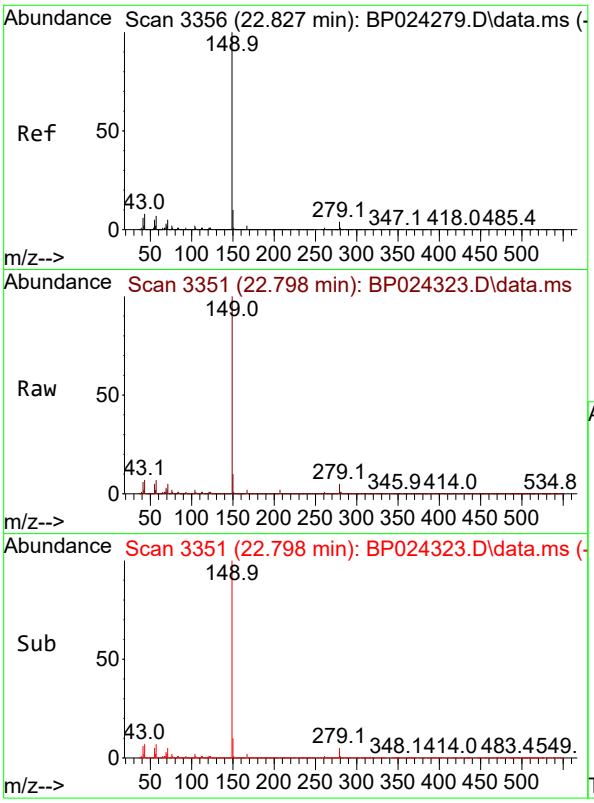


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.034 ng
RT: 21.522 min Scan# 3134
Delta R.T. -0.003 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:149 Resp: 3796363

Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.4	33.6
279	5.3	4.0	6.0





#85
Di-n-octyl phthalate
Concen: 49.614 ng
RT: 22.798 min Scan# 3
Delta R.T. -0.015 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

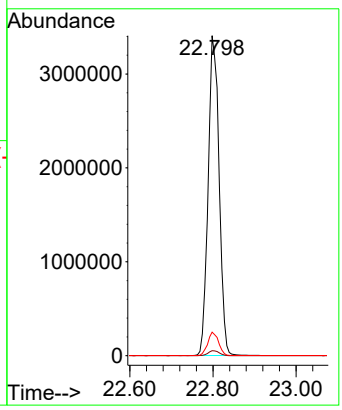
Tgt Ion:149 Resp: 624484

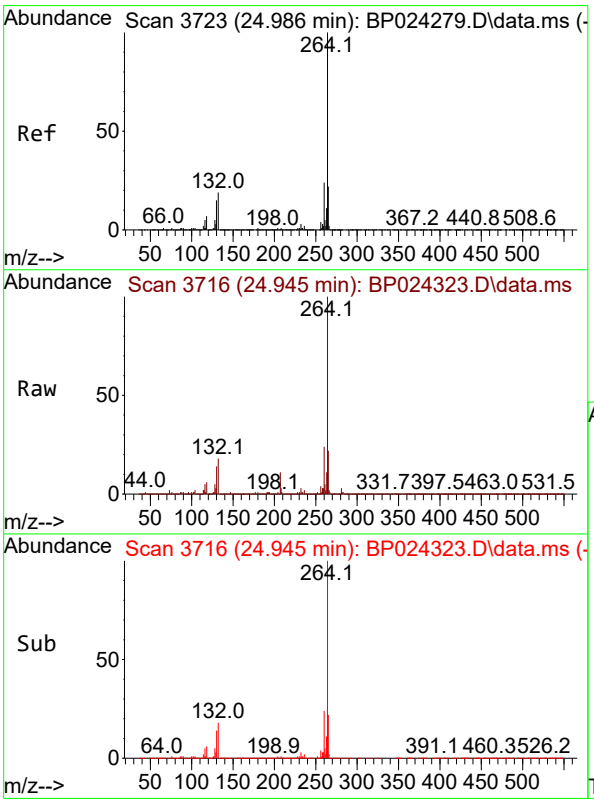
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.2	6.0	9.0

Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

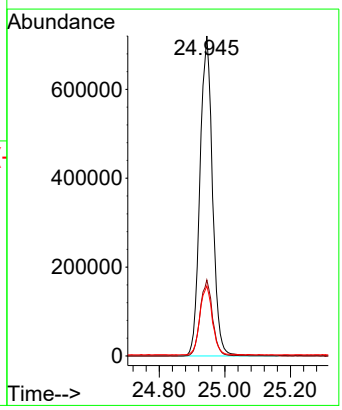


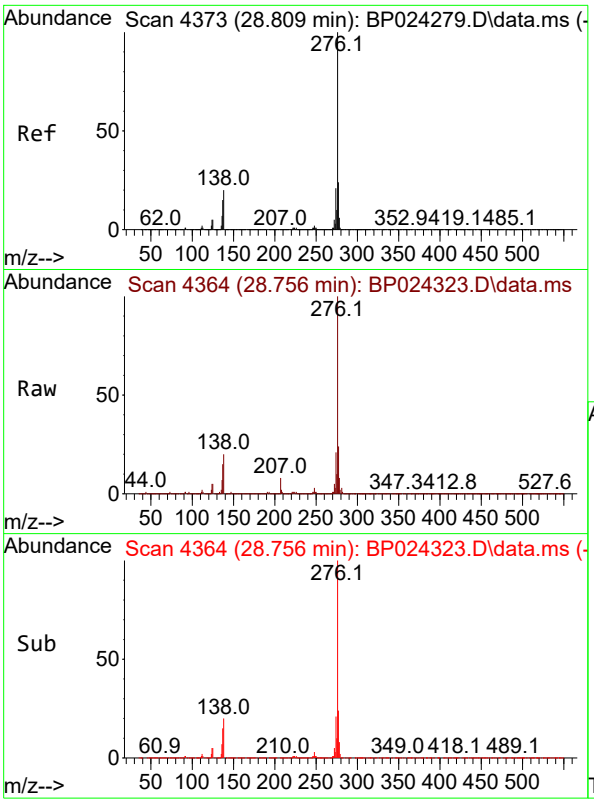


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.945 min Scan# 3716
Delta R.T. -0.021 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:264 Resp: 1918974

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	21.9	17.8	26.6

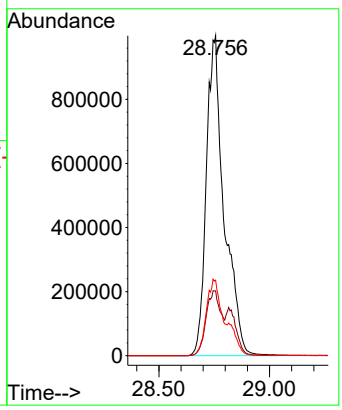




#87
Indeno(1,2,3-cd)pyrene
Concen: 41.897 ng
RT: 28.756 min Scan# 4
Delta R.T. -0.039 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:276 Resp: 558164

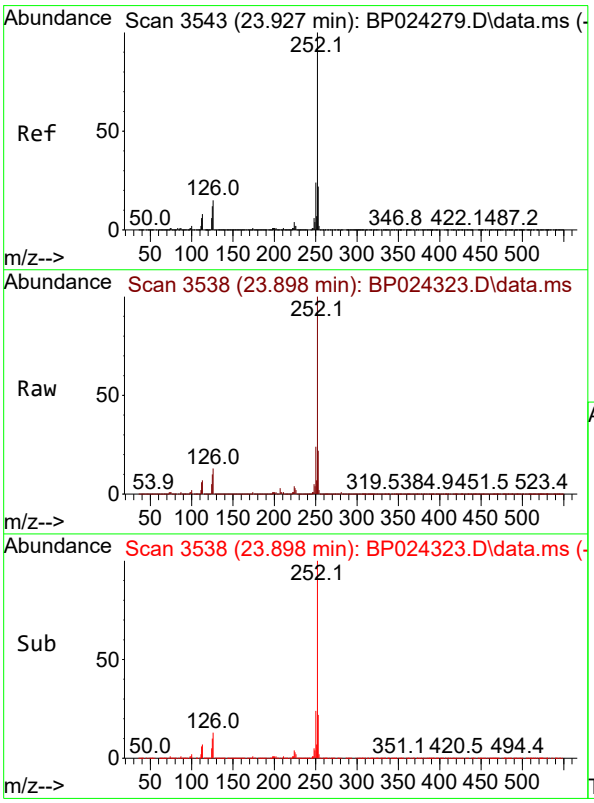
Ion	Ratio	Lower	Upper
276	100		
138	17.3	14.5	21.7
277	20.4	20.2	30.2



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
APPROVED

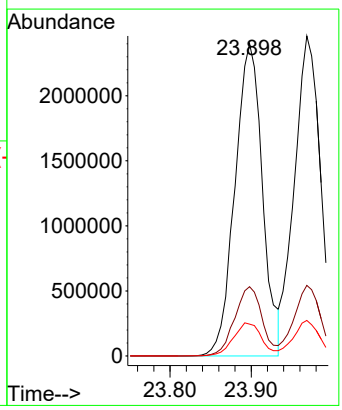
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

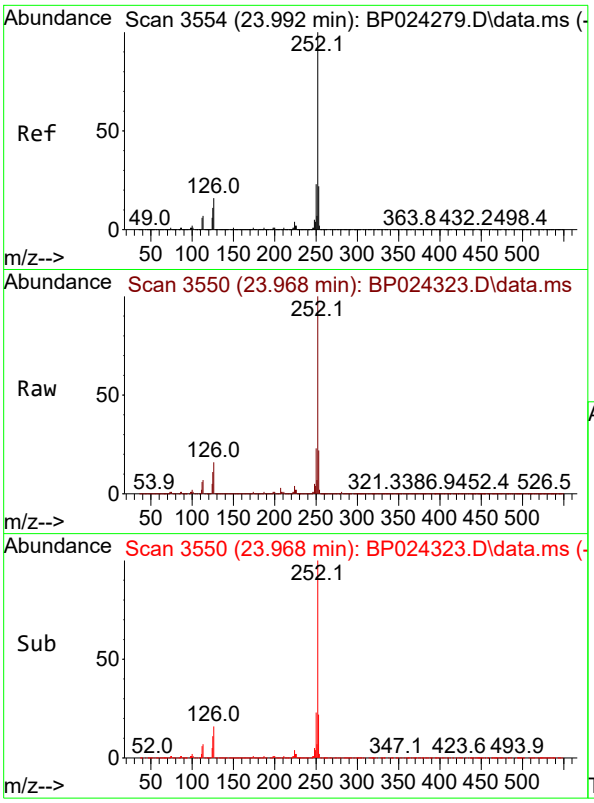


#88
Benzo(b)fluoranthene
Concen: 49.181 ng
RT: 23.898 min Scan# 3538
Delta R.T. -0.015 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:252 Resp: 5657100

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	10.2	9.4	14.0

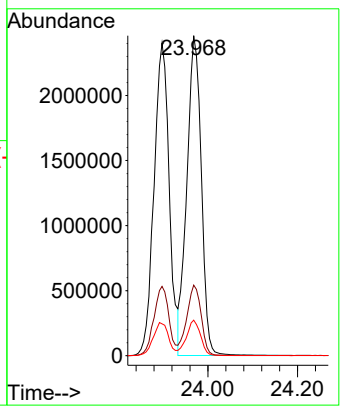




#89
Benzo(k)fluoranthene
Concen: 49.389 ng
RT: 23.968 min Scan# 3
Delta R.T. -0.009 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:252 Resp: 548753

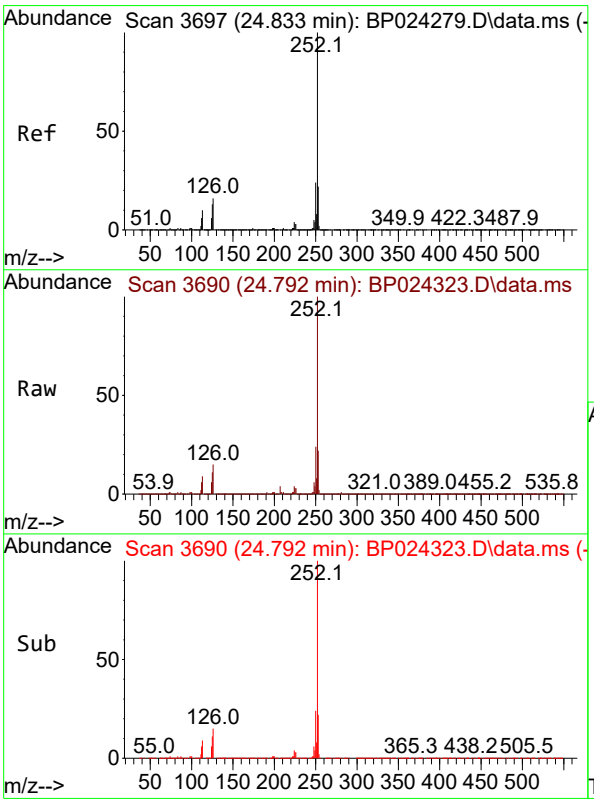
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	11.1	9.1	13.7



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
APPROVED

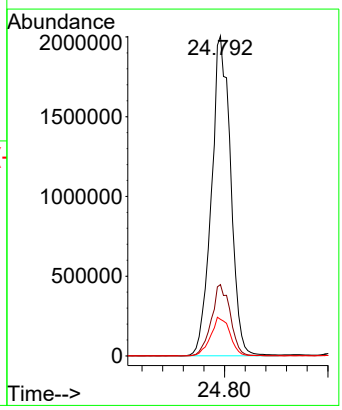
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

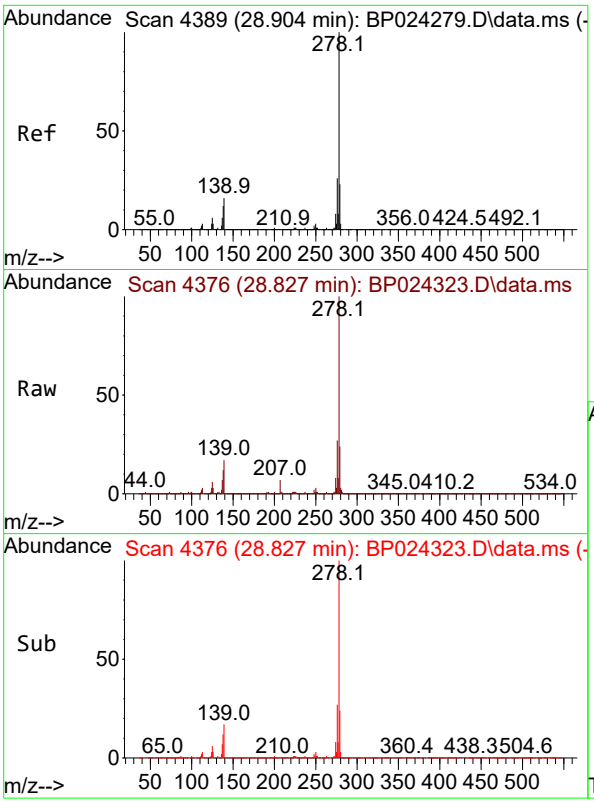


#90
Benzo(a)pyrene
Concen: 52.024 ng
RT: 24.792 min Scan# 3690
Delta R.T. -0.021 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:252 Resp: 5161830

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	11.5	10.1	15.1

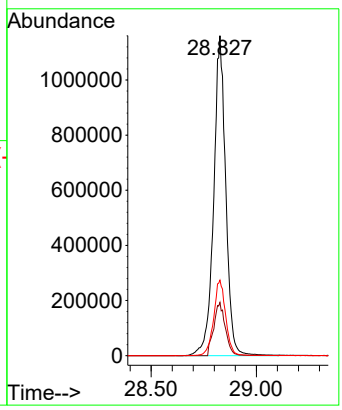




#91
Dibenzo(a,h)anthracene
Concen: 41.850 ng
RT: 28.827 min Scan# 4
Delta R.T. -0.039 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:278 Resp: 462773

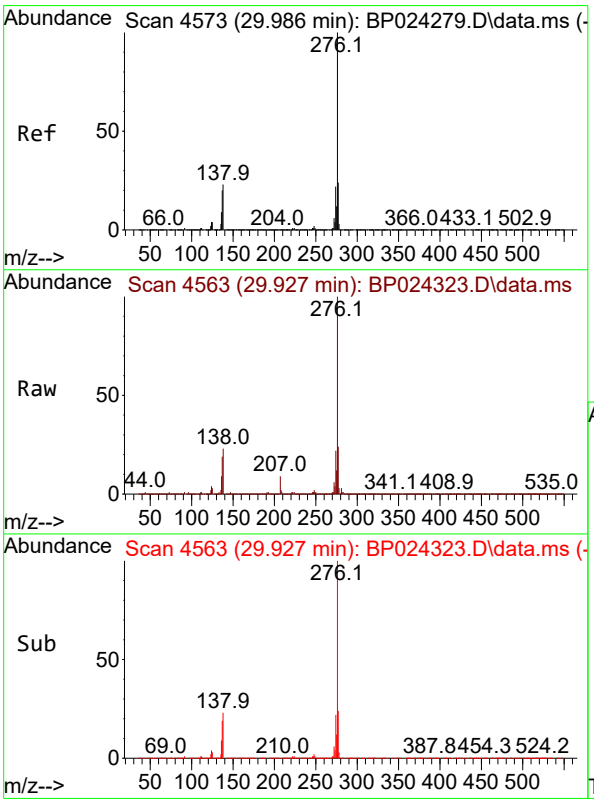
Ion	Ratio	Lower	Upper
278	100		
139	16.7	12.6	19.0
279	23.6	18.5	27.7



Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations
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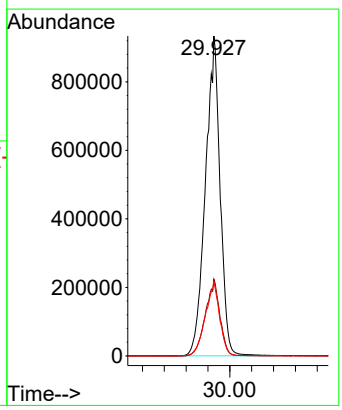
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#92
Benzo(g,h,i)perylene
Concen: 38.705 ng
RT: 29.927 min Scan# 4563
Delta R.T. -0.051 min
Lab File: BP024323.D
Acq: 17 Apr 2025 12:32

Tgt Ion:276 Resp: 4356459

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.9	28.3
138	23.2	18.7	28.1



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Manual Integration Report

Sequence:	bp041425	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP024276.D	Benzaldehyde	Rahul	4/15/2025 9:45:41 AM	Jagrut	4/15/2025 10:52:38 AM	Peak Integrated by Software
SSTDICC005	BP024276.D	Benzidine	Rahul	4/15/2025 9:45:41 AM	Jagrut	4/15/2025 10:52:38 AM	Peak Integrated by Software
SSTDICC010	BP024277.D	Benzaldehyde	Rahul	4/15/2025 9:46:12 AM	Jagrut	4/15/2025 10:52:41 AM	Peak Integrated by Software
SSTDICC010	BP024277.D	Benzoic acid	Rahul	4/15/2025 9:46:12 AM	Jagrut	4/15/2025 10:52:41 AM	Peak Integrated by Software
SSTDICC020	BP024278.D	Benzoic acid	Rahul	4/15/2025 9:46:28 AM	Jagrut	4/15/2025 10:52:44 AM	Peak Integrated by Software
SSTDICC050	BP024280.D	Indeno(1,2,3-cd)pyrene	Rahul	4/15/2025 9:47:02 AM	Jagrut	4/15/2025 10:52:46 AM	Peak Integrated by Software
SSTDICC050	BP024280.D	Pyridine	Rahul	4/15/2025 9:47:02 AM	Jagrut	4/15/2025 10:52:46 AM	Peak Integrated by Software
SSTDICC060	BP024281.D	Benzoic acid	Rahul	4/15/2025 9:47:31 AM	Jagrut	4/15/2025 10:52:48 AM	Peak Integrated by Software
SSTDICC060	BP024281.D	Indeno(1,2,3-cd)pyrene	Rahul	4/15/2025 9:47:31 AM	Jagrut	4/15/2025 10:52:48 AM	Peak Integrated by Software
SSTDICC060	BP024281.D	Pyridine	Rahul	4/15/2025 9:47:31 AM	Jagrut	4/15/2025 10:52:48 AM	Peak Integrated by Software
SSTDICC080	BP024282.D	Benzidine	Rahul	4/15/2025 9:48:04 AM	Jagrut	4/15/2025 10:52:51 AM	Peak Integrated by Software
SSTDICC080	BP024282.D	Benzoic acid	Rahul	4/15/2025 9:48:04 AM	Jagrut	4/15/2025 10:52:51 AM	Peak Integrated by Software
SSTDICC080	BP024282.D	Pyridine	Rahul	4/15/2025 9:48:04 AM	Jagrut	4/15/2025 10:52:51 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bp041425	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICV040	BP024283.D	Indeno(1,2,3-cd)pyrene	Rahul	4/15/2025 9:50:13 AM	Jagrut	4/15/2025 10:52:54 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP041625	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1762-02	BP024318.D	Caprolactam	Rahul	4/17/2025 10:27:23 AM	Jagrut	4/17/2025 12:29:27 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bp041725	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP024320.D	Benzoic acid	Rahul	4/18/2025 10:38:45 AM	Jagrut	4/18/2025 11:14:31 AM	Peak Integrated by Software
PB167564BS	BP024322.D	Benzoic acid	Rahul	4/18/2025 10:38:48 AM	Jagrut	4/18/2025 11:14:34 AM	Peak Integrated by Software
PB167564BSD	BP024323.D	Benzoic acid	Rahul	4/18/2025 10:38:51 AM	Jagrut	4/18/2025 11:14:37 AM	Peak Integrated by Software
PB167564BSD	BP024323.D	Caprolactam	Rahul	4/18/2025 10:38:51 AM	Jagrut	4/18/2025 11:14:37 AM	Peak Integrated by Software

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP041425

Review By	Rahul	Review On	4/15/2025 9:55:40 AM		
Supervise By	Jagrut	Supervise On	4/15/2025 10:53:04 AM		
SubDirectory	BP041425	HP Acquire Method	BNA_P	HP Processing Method	bp041425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12659,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024274.D	14 Apr 2025 10:25	RC/JU	Ok
2	SSTDICC2.5	BP024275.D	14 Apr 2025 11:06	RC/JU	Ok
3	SSTDICC005	BP024276.D	14 Apr 2025 11:47	RC/JU	Ok,M
4	SSTDICC010	BP024277.D	14 Apr 2025 12:27	RC/JU	Ok,M
5	SSTDICC020	BP024278.D	14 Apr 2025 13:08	RC/JU	Ok,M
6	SSTDICCC040	BP024279.D	14 Apr 2025 13:49	RC/JU	Ok
7	SSTDICC050	BP024280.D	14 Apr 2025 15:10	RC/JU	Ok,M
8	SSTDICC060	BP024281.D	14 Apr 2025 16:32	RC/JU	Ok,M
9	SSTDICC080	BP024282.D	14 Apr 2025 17:13	RC/JU	Ok,M
10	SSTDICV040	BP024283.D	14 Apr 2025 18:35	RC/JU	Ok,M
11	PB167488TB	BP024284.D	14 Apr 2025 19:16	RC/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP041625

Review By	Rahul	Review On	4/17/2025 10:27:49 AM		
Supervise By	Jagrut	Supervise On	4/17/2025 12:29:39 PM		
SubDirectory	BP041625	HP Acquire Method	BNA_P	HP Processing Method	bp041425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12659,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024303.D	16 Apr 2025 09:02	RC/JU	Ok
2	SSTDCCC040	BP024304.D	16 Apr 2025 09:43	RC/JU	Ok
3	PB167606BL	BP024305.D	16 Apr 2025 10:23	RC/JU	Ok
4	PB167606BS	BP024306.D	16 Apr 2025 11:04	RC/JU	Ok,M
5	PB167599BS	BP024307.D	16 Apr 2025 11:45	RC/JU	Ok
6	PB167599BSD	BP024308.D	16 Apr 2025 12:26	RC/JU	Ok,M
7	PB167564BL	BP024309.D	16 Apr 2025 13:07	RC/JU	Ok
8	Q1788-04	BP024310.D	16 Apr 2025 13:52	RC/JU	Ok
9	Q1800-03	BP024311.D	16 Apr 2025 14:32	RC/JU	Ok
10	Q1808-02	BP024312.D	16 Apr 2025 15:13	RC/JU	Ok
11	Q1808-04	BP024313.D	16 Apr 2025 15:54	RC/JU	Ok
12	Q1791-09	BP024314.D	16 Apr 2025 16:35	RC/JU	Ok,M
13	Q1791-10	BP024315.D	16 Apr 2025 17:16	RC/JU	ReRun
14	Q1791-11	BP024316.D	16 Apr 2025 17:57	RC/JU	Ok
15	Q1791-12	BP024317.D	16 Apr 2025 18:38	RC/JU	Ok
16	Q1762-02	BP024318.D	16 Apr 2025 19:18	RC/JU	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP041725

Review By	Rahul	Review On	4/18/2025 11:15:20 AM		
Supervise By	Jagrut	Supervise On	4/18/2025 11:15:32 AM		
SubDirectory	BP041725	HP Acquire Method	BNA_P	HP Processing Method	bp041425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12659,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024319.D	17 Apr 2025 09:49	RC/JU	Ok
2	SSTDCCC040	BP024320.D	17 Apr 2025 10:30	RC/JU	Ok,M
3	PB167599BL	BP024321.D	17 Apr 2025 11:10	RC/JU	Ok
4	PB167564BS	BP024322.D	17 Apr 2025 11:51	RC/JU	Ok,M
5	PB167564BSD	BP024323.D	17 Apr 2025 12:32	RC/JU	Ok,M
6	Q1791-10RE	BP024324.D	17 Apr 2025 13:18	RC/JU	Confirms
7	Q1791-13RE	BP024325.D	17 Apr 2025 13:59	RC/JU	Confirms
8	Q1821-01	BP024326.D	17 Apr 2025 14:40	RC/JU	Ok
9	Q1821-01MS	BP024327.D	17 Apr 2025 15:20	RC/JU	Ok,M
10	Q1821-01MSD	BP024328.D	17 Apr 2025 16:01	RC/JU	Ok,M
11	Q1825-01	BP024329.D	17 Apr 2025 16:42	RC/JU	ReRun
12	Q1812-02	BP024330.D	17 Apr 2025 17:23	RC/JU	Ok
13	Q1812-03	BP024331.D	17 Apr 2025 18:03	RC/JU	ReRun
14	Q1826-03	BP024332.D	17 Apr 2025 18:44	RC/JU	ReRun
15	Q1826-05	BP024333.D	17 Apr 2025 19:25	RC/JU	Ok
16	Q1818-03	BP024334.D	17 Apr 2025 20:06	RC/JU	Ok,M
17	Q1825-04	BP024335.D	17 Apr 2025 20:46	RC/JU	Dilution

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP041425

Review By	Rahul	Review On	4/15/2025 9:55:40 AM		
Supervise By	Jagrut	Supervise On	4/15/2025 10:53:04 AM		
SubDirectory	BP041425	HP Acquire Method	BNA_P	HP Processing Method	bp041425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12659,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024274.D	14 Apr 2025 10:25		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP024275.D	14 Apr 2025 11:06		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP024276.D	14 Apr 2025 11:47	Compound #32,54,65 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BP024277.D	14 Apr 2025 12:27		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BP024278.D	14 Apr 2025 13:08		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BP024279.D	14 Apr 2025 13:49	This calibration is fail for Com#77	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BP024280.D	14 Apr 2025 15:10	This calibration is good for 8270E, 8270 DOD and 625.1 methods except Compound#77	RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BP024281.D	14 Apr 2025 16:32	Compound #69 Removed from 60PPM	RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BP024282.D	14 Apr 2025 17:13	Compound #69 Removed from 80PPM	RC/JU	Ok,M
10	SSTDICV040	ICVBP041425	BP024283.D	14 Apr 2025 18:35		RC/JU	Ok,M
11	PB167488TB	PB167488TB	BP024284.D	14 Apr 2025 19:16		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP041625

Review By	Rahul	Review On	4/17/2025 10:27:49 AM		
Supervise By	Jagrut	Supervise On	4/17/2025 12:29:39 PM		
SubDirectory	BP041625	HP Acquire Method	BNA_P	HP Processing Method	bp041425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12659,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024303.D	16 Apr 2025 09:02		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024304.D	16 Apr 2025 09:43		RC/JU	Ok
3	PB167606BL	PB167606BL	BP024305.D	16 Apr 2025 10:23		RC/JU	Ok
4	PB167606BS	PB167606BS	BP024306.D	16 Apr 2025 11:04		RC/JU	Ok,M
5	PB167599BS	PB167599BS	BP024307.D	16 Apr 2025 11:45		RC/JU	Ok
6	PB167599BSD	PB167599BSD	BP024308.D	16 Apr 2025 12:26		RC/JU	Ok,M
7	PB167564BL	PB167564BL	BP024309.D	16 Apr 2025 13:07		RC/JU	Ok
8	Q1788-04	WC-1	BP024310.D	16 Apr 2025 13:52		RC/JU	Ok
9	Q1800-03	WC-A4-01-C	BP024311.D	16 Apr 2025 14:32		RC/JU	Ok
10	Q1808-02	OILY-SOIL-PILE	BP024312.D	16 Apr 2025 15:13		RC/JU	Ok
11	Q1808-04	LAW-25-0060	BP024313.D	16 Apr 2025 15:54		RC/JU	Ok
12	Q1791-09	VB16193	BP024314.D	16 Apr 2025 16:35		RC/JU	Ok,M
13	Q1791-10	280722	BP024315.D	16 Apr 2025 17:16	Internal Standards and surrogates Failed	RC/JU	ReRun
14	Q1791-11	280791	BP024316.D	16 Apr 2025 17:57		RC/JU	Ok
15	Q1791-12	V1207	BP024317.D	16 Apr 2025 18:38		RC/JU	Ok
16	Q1762-02	MW5	BP024318.D	16 Apr 2025 19:18		RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP041725

Review By	Rahul	Review On	4/18/2025 11:15:20 AM		
Supervise By	Jagrut	Supervise On	4/18/2025 11:15:32 AM		
SubDirectory	BP041725	HP Acquire Method	BNA_P	HP Processing Method	bp041425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12659,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024319.D	17 Apr 2025 09:49		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024320.D	17 Apr 2025 10:30		RC/JU	Ok,M
3	PB167599BL	PB167599BL	BP024321.D	17 Apr 2025 11:10		RC/JU	Ok
4	PB167564BS	PB167564BS	BP024322.D	17 Apr 2025 11:51		RC/JU	Ok,M
5	PB167564BSD	PB167564BSD	BP024323.D	17 Apr 2025 12:32		RC/JU	Ok,M
6	Q1791-10RE	280722RE	BP024324.D	17 Apr 2025 13:18	Internal Standards and surrogates Failed	RC/JU	Confirms
7	Q1791-13RE	279312RE	BP024325.D	17 Apr 2025 13:59	Internal Standards and surrogates Failed	RC/JU	Confirms
8	Q1821-01	SOIL-CUTTING	BP024326.D	17 Apr 2025 14:40		RC/JU	Ok
9	Q1821-01MS	SOIL-CUTTINGMS	BP024327.D	17 Apr 2025 15:20		RC/JU	Ok,M
10	Q1821-01MSD	SOIL-CUTTINGMSD	BP024328.D	17 Apr 2025 16:01		RC/JU	Ok,M
11	Q1825-01	TP-9	BP024329.D	17 Apr 2025 16:42	Internal Standard Fail	RC/JU	ReRun
12	Q1812-02	RINSE-EB-TANK-0415	BP024330.D	17 Apr 2025 17:23		RC/JU	Ok
13	Q1812-03	RINSE-EB-PUMP-0415	BP024331.D	17 Apr 2025 18:03	Internal Standard Fail	RC/JU	ReRun
14	Q1826-03	CONCRETE-PILE	BP024332.D	17 Apr 2025 18:44	Internal Standard Fail	RC/JU	ReRun
15	Q1826-05	CONCRETE-FLOOR	BP024333.D	17 Apr 2025 19:25		RC/JU	Ok
16	Q1818-03	RT-3873	BP024334.D	17 Apr 2025 20:06		RC/JU	Ok,M
17	Q1825-04	TP-10	BP024335.D	17 Apr 2025 20:46	Need 20X Dilution	RC/JU	Dilution

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167564

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3880

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 4,6,7

Extraction Start Date : 04/11/2025

Extraction Start Time : 08:32

Extraction End Date : 04/11/2025

Extraction End Time : 13:25

Concentration By: EH

Supervisor By : rajesh

Extraction Method: [√] Seperatory Funnel [_] Continious Liquid/Liquid [_] Sonication [_] Waste Dilution [_] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6752
Surrogate	1.0ML	100/150 PPM	SP6754
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3926
Baked Na2SO4	N/A	EP2599
10N NaoH	N/A	EP2569
H2SO4 1:1	N/A	EP2865
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH.

KD Bath ID: Water bath -01

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/11/25	RP (Ext. Lab)	RC/SVOC
13:30	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167564

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 04/11/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167564BL	SBLK564	SVOC-TCL BNA -20	1000	6	ritesh	rajesh	1			SEP-08
PB167564BS	SLCS564	SVOC-TCL BNA -20	1000	6	ritesh	rajesh	1			09
PB167564BSD	SLCSD564	SVOC-TCL BNA -20	1000	6	ritesh	rajesh	1			10
Q1762-02	MW5	SVOC-TCL BNA -20	1000	6	ritesh	rajesh	1	C		11

4/11/25

* **Extracts relinguished on the same date as received.**

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1773 **WorkList ID :** 188867 **Department :** Extraction **Date :** 04-11-2025 08:11:08

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1762-02	MW5	Water	SVOC-TCL BNA -20	Cool 4 deg C	GENV01	L31	04/09/2025	8270E
Q1773-02	BP-TT-190D2-GW-20250407	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	F11	04/07/2025	8270-Modified
Q1773-03	BP-TT-190D1-GW-20250409	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	F11	04/07/2025	8270-Modified

Date/Time 04/11/25 8:30
Raw Sample Received by: RJ (Ext Lab)
Raw Sample Relinquished by: JD (SM)

Date/Time 04/11/25 8:50
Raw Sample Received by: JD (SM)
Raw Sample Relinquished by: RJ (Ext Lab)

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Prep Standard - Chemical Standard Summary

Order ID : Q1762

Test : SVOC-TCL BNA -20

Prepbatch ID : PB167564,

Sequence ID/Qc Batch ID: BP041625,BP041725,

Standard ID :
EP2569,EP2599,EP2865,SP6721,SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729,SP6752,SP6754,SP6757,SP6769,SP6770,

Chemical ID :
10ul/1000ul sample,E3551,E3874,E3876,E3902,E3904,E3926,M6121,S10104,S10397,S10584,S11087,S11143,S11161,S11487,S11495,S11650,S11785,S11786,S11787,S11788,S12114,S12190,S12191,S12192,S12193,S12194,S12195,S12209,S12210,S12211,S12212,S12213,S12214,S12215,S12216,S12270,S12276,S12478,S12479,S12480,S12481,S12482,S12483,S12484,S12485,S12486,S12525,S12526,S12527,S12528,S12529,S12530,S12531,S12532,S12533,S12534,S12577,S12649,S12658,S12659,S12791,S12966,S12967,S12968,S12969,S12970,S12971,S12972,S12973,S12974,W3112,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3319	6N HCL	EP2569	12/02/2024	05/13/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 12/02/2024

FROM 219.00000ml of M6121 + 781.00000ml of W3112 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2599	04/07/2025	07/01/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 04/07/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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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	SP6721	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.26700ml of S10104 + 0.40000ml of S11495 + 0.50000ml of S12114 + 1.00000ml of S11087 + 1.00000ml of S11161 + 1.00000ml of S12270 + 1.00000ml of S12276 + 1.00000ml of S12791 + 3.83300ml of E3874 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
413	80 ng BNA ICC, 80 PPM	SP6722	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.20000ml of E3874 + 0.80000ml of SP6721 = Final Quantity: 1.010 ml

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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	SP6723	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.40000ml of E3874 + 0.60000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
411	50 ng BNA ICC, 50 PPM	SP6724	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6721 = Final Quantity: 1.010 ml

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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	SP6725	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.60000ml of E3874 + 0.40000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3678	20 ng BNA ICC, 20 PPM	SP6726	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.80000ml of E3874 + 0.20000ml of SP6721 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
408	10 ng BNA ICC, 10 PPM	SP6727	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.90000ml of E3874 + 0.10000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
407	5 ng BNA ICC, 5 PPM	SP6728	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.95000ml of E3874 + 0.05000ml of SP6721 = Final Quantity: 1.010 ml

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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	SP6729	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6728 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	SP6752	03/10/2025	05/31/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/03/2025

FROM 0.10000ml of S12478 + 0.30000ml of S12525 + 0.40000ml of S10397 + 0.40000ml of S10584 + 0.40000ml of S11143 + 0.40000ml of S11487 + 0.40000ml of S11650 + 0.40000ml of S12533 + 0.40000ml of S12974 + 0.60000ml of S12486 + 0.80000ml of S12966 + 1.10000ml of S11788 + 1.20000ml of S11785 + 1.20000ml of S12483 + 1.20000ml of S12526 + 1.20000ml of S12967 + 1.20000ml of S12968 + 1.20000ml of S12970 + 1.20000ml of S12972 + 1.30000ml of S11786 + 1.30000ml of S12481 + 1.30000ml of S12482 + 1.30000ml of S12484 + 1.30000ml of S12528 + 1.30000ml of S12529 + 1.30000ml of S12531 + 1.30000ml of S12969 + 1.30000ml of S12973 + 1.40000ml of S11787 + 1.40000ml of S12479 + 1.40000ml of S12480 + 1.40000ml of S12485 + 1.40000ml of S12527 + 1.40000ml of S12530 + 1.40000ml of S12532 + 1.40000ml of S12971 + 163.00000ml of E3876 = Final Quantity: 200.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6757	03/31/2025	09/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/01/2025

FROM 1.00000ml of S12577 + 19.00000ml of E3904 = Final Quantity: 20.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	SP6769	04/10/2025	09/10/2025	Jagrut Upadhyay	None	None	Sohil Jodhani 04/16/2025

FROM 0.04000ml of S12195 + 0.08000ml of S12216 + 0.10000ml of S11788 + 0.20000ml of S12486 + 0.20000ml of S12534 + 0.20000ml of S12974 + 1.18000ml of E3926 = Final Quantity: 2.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	SP6770	04/10/2025	09/10/2025	Jagrut Upadhyay	None	None	Sohil Jodhani 04/16/2025

FROM 0.01000ml of S12658 + 0.60000ml of E3926 + 0.40000ml of SP6769 = Final Quantity: 1.010 ml

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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 #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	07/30/2025	01/30/2025 / Rajesh	01/20/2025 / Rajesh	E3874

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	08/25/2025	02/25/2025 /	02/12/2025 / Rajesh	E3876

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	09/18/2025	03/18/2025 / RUPESH	02/12/2025 / RUPESH	E3902

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	01/07/2026	03/13/2025 /	12/27/2024 / RUPESH	E3904

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	10/08/2025	04/08/2025 / Rajesh	02/07/2025 / Rajesh	E3926

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	0000275677	05/13/2025	11/13/2024 / Eman	10/13/2024 / Eman	M6121

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	07/30/2025	01/30/2025 / anahy	12/09/2021 / Christian	S10104

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0185300	05/31/2025	01/29/2025 / anahy	05/18/2022 / Christian	S10397

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0186373	06/30/2025	01/29/2025 / anahy	07/05/2022 / Christian	S10584

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	406703	07/30/2025	01/30/2025 / anahy	02/07/2023 / Christian	S11087

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0194702	07/29/2025	01/29/2025 / anahy	02/20/2023 / Christian	S11143

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	06/21/2025	01/30/2025 / anahy	03/06/2023 / Christian	S11161

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0200549	08/31/2026	01/29/2025 / anahy	08/10/2023 / yogesh	S11487

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml	506889	05/12/2025	11/12/2024 / Jagrut	08/11/2023 / Yogesh	S11495

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0201728	07/29/2025	01/29/2025 / anahy	11/09/2023 / Yogesh	S11650

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11785

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	09/10/2025	03/10/2025 / anahy	11/21/2023 / Rahul	S11786

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	09/10/2025	03/10/2025 / anahy	11/21/2023 / Rahul	S11787

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	09/10/2025	03/10/2025 / anahy	11/21/2023 / Rahul	S11788

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	05/12/2025	11/12/2024 / Jagrut	03/08/2024 / Rahul	S12114

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12190

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12191

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12192

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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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12211

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12212

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12213

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12214

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12215

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12216

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	520963	07/30/2025	01/30/2025 / anahy	05/24/2024 / Rahul	S12270

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	05/12/2025	11/12/2024 / Jagrut	05/24/2024 / Rahul	S12276

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12478

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12479

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12480

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12481

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12482

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12483

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12484

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12485

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12486

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12525

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12526

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12527

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12528

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12529

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12530

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12531

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12532

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12533

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	10/10/2025	04/10/2025 / Jagrut	07/23/2024 / RAHUL	S12534

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	A0212955	06/30/2027	03/31/2025 / Rahul	08/01/2024 / Rahul	S12577

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	07/21/2025	01/21/2025 / anahy	09/20/2024 / anahy	S12649

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	04/30/2030	04/07/2025 / anahy	09/20/2024 / anahy	S12658

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	10/14/2025	04/14/2025 / Rahul	09/20/2024 / anahy	S12659

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	06/21/2025	01/30/2025 / anahy	05/24/2024 / Rahul	S12791

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12966

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12967

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12968

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12969

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12970

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12971

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12972

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12973

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12974

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010074-07	406703	≤ -10 °C	Methylene Chloride	3/30/2025	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	99.5	74.3.26P	989 ± 7.53

Received on
02/07/23
by
CG

S11084
to
S11088

*Not a certified value

Certified By: _____
Jacob Mulloy
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricllly.

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®
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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.

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Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by
CG
on
07/05/22
S 10583
to
S 10592

Catalog No. : 555868 **Lot No.:** A0186373

Description : Custom Benzidine Standard

Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Benzidine	25,200.0 µg/mL	+/- 233.2055 µg/mL	Gravimetric
	CAS # 92-87-5 (Lot 220511RSR)		+/- 351.6606 µg/mL	Unstressed
	Purity 99%		+/- 512.6054 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 16-Jun-2022 **Balance:** 1122030677

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555869 **Lot No.:** A0194702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	Hexachlorocyclopentadiene	77-47-4	0012019	99%	25,008.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek Registered Quality Certificate #FM

tified Reference Material Notes

:es:

n date valid for unopened ampul stored in compliance with the recommended conditions.

nty, concentration, and expiration of the CRM are based on the unopened product being stored according to the ended condition found in the storage field.

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.

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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

PO: PO2-1178.2 PRODUCT CODE: SHIP DATE: 1/20/2025

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3874

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

PO: PO2-798 PRODUCT CODE: SHIP DATE: 12/9/2024

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3902

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

PO: PO2-1308 PRODUCT CODE: SHIP DATE: 2/7/25

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3926

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

R → 10/13/24
Met dig

M 6/21

Material No.: 9530-33
Batch No.: 0000275677
Manufactured Date: 2020/12/16
Retest Date: 2025/12/15
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS - Assay (as HCl) (by acid-base titrn)	36.5 - 38.0 %	37.6
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Specific Gravity at 60°/60°F	1.185 - 1.192	1.190
ACS - Bromide (Br)	<= 0.005 %	< 0.005
ACS - Extractable Organic Substances	<= 5 ppm	1
ACS - Free Chlorine (as Cl_2)	<= 0.5 ppm	< 0.5
Phosphate (PO_4)	<= 0.05 ppm	< 0.03
Sulfate (SO_4)	<= 0.5 ppm	< 0.3
Sulfite (SO_3)	<= 0.8 ppm	0.3
Ammonium (NH_4)	<= 3 ppm	< 1
Trace Impurities - Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities - Aluminum (Al)	<= 10.0 ppb	< 0.2
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities - Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities - Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 20.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 1.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	29.7
Trace Impurities - Chromium (Cr)	<= 1.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 1.0 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 1.0 ppb	< 0.2

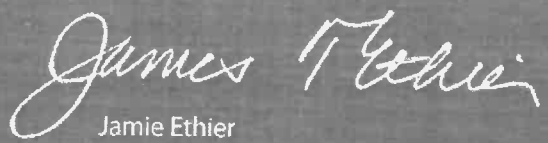
For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Material No.: 9530-33
Batch No.: 0000275677

Test	Specification	Result
Trace Impurities - Germanium (Ge)	<= 3.0 ppb	< 2.0
Trace Impurities - Gold (Au)	<= 4.0 ppb	< 0.2
Heavy Metals (as Pb)	<= 100 ppb	< 50
Trace Impurities - Iron (Fe)	<= 15.0 ppb	<1
Trace Impurities - Lead (Pb)	<= 1.0 ppb	< 0.5
Trace Impurities - Lithium (Li)	<= 1.0 ppb	0.2
Trace Impurities - Magnesium (Mg)	<= 10.0 ppb	0.4
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	0.1
Trace Impurities - Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities - Nickel (Ni)	<= 4.0 ppb	< 0.3
Trace Impurities - Niobium (Nb)	<= 1.0 ppb	< 0.2
Trace Impurities - Potassium (K)	<= 9.0 ppb	< 2.0
Trace Impurities - Selenium (Se), For Information Only	ppb	1.0
Trace Impurities - Silicon (Si)	<= 100.0 ppb	< 10.0
Trace Impurities - Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities - Sodium (Na)	<= 100.0 ppb	< 5.0
Trace Impurities - Strontium (Sr)	<= 1.0 ppb	< 0.2
Trace Impurities - Tantalum (Ta)	<= 1.0 ppb	< 0.9
Trace Impurities - Thallium (Tl)	<= 5.0 ppb	< 2.0
Trace Impurities - Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities - Titanium (Ti)	<= 1.0 ppb	0.2
Trace Impurities - Vanadium (V)	<= 1.0 ppb	< 0.2
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	0.3
Trace Impurities - Zirconium (Zr)	<= 1.0 ppb	< 0.1

For Laboratory, Research or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC



Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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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S11484 ↓ S11493 Y.P. 08/10/23

Catalog No. : 555870 **Lot No.:** A0200549

Description : Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	25,008.0 µg/mL	+/- 777.3323

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician

Date Mixed: 02-Aug-2023 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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Catalog No. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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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.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

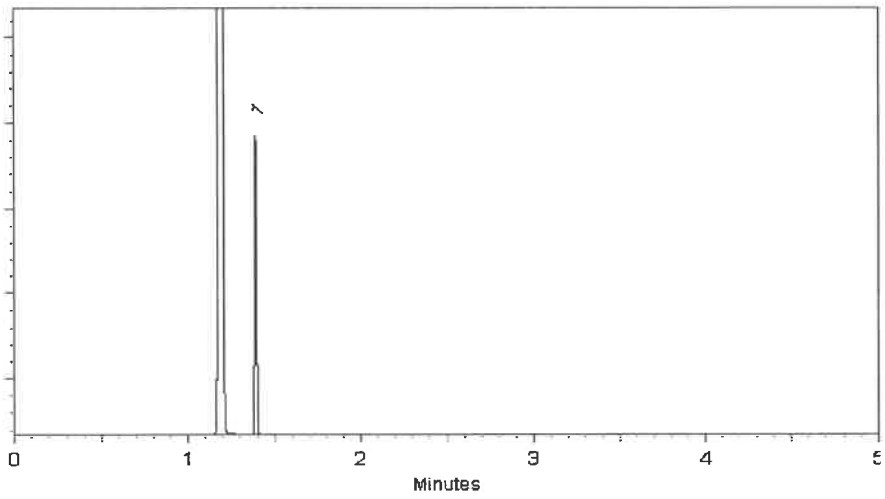
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Purity Notes:

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Certified Uncertainty Value Notes:

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Manufacturing Notes:

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Handling Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

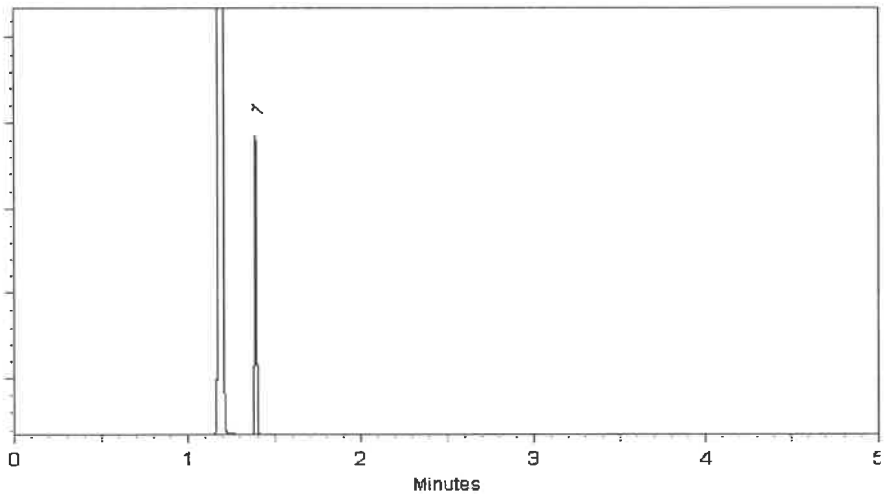
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Certificate of Analysis

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Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

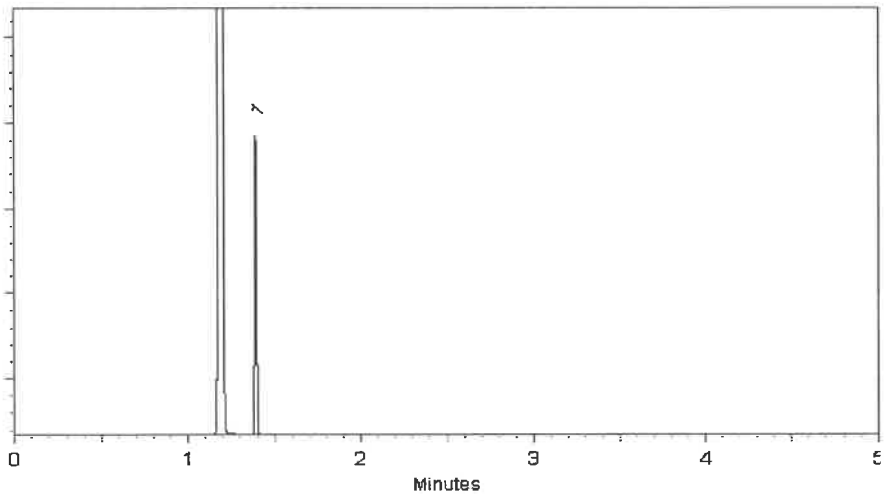
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

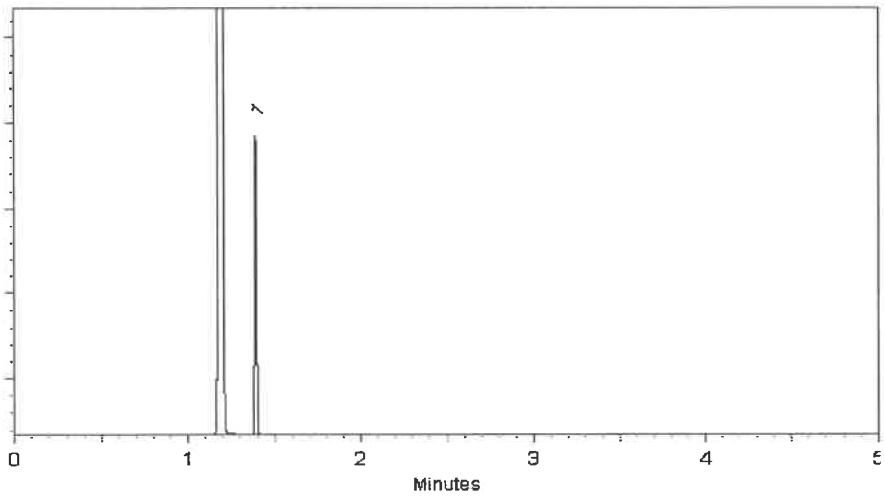
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Certificate #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

S12187 ↓ S12206 } RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

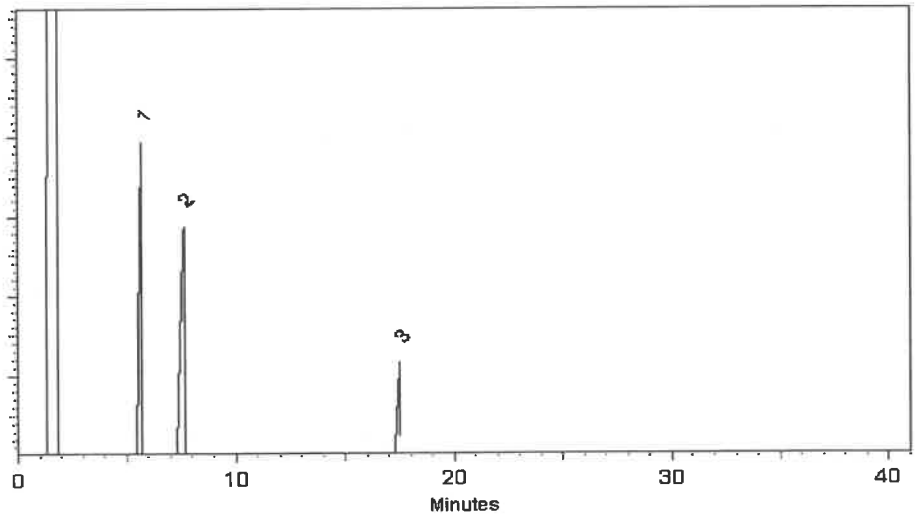
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

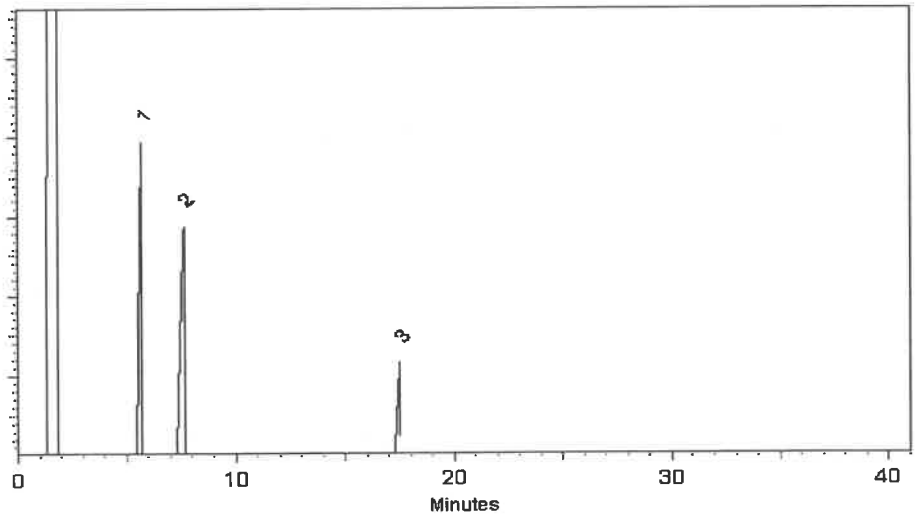
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
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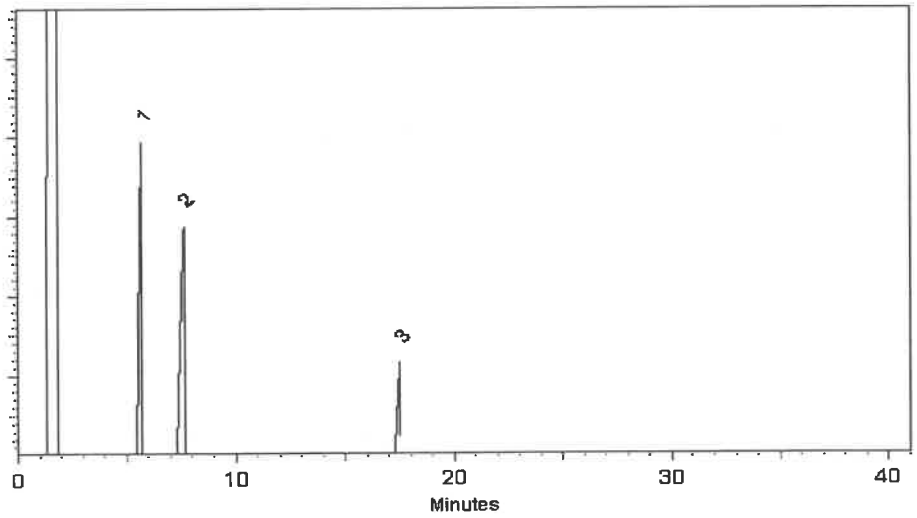
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

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Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

S12187 ↓ S12206 } RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
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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:
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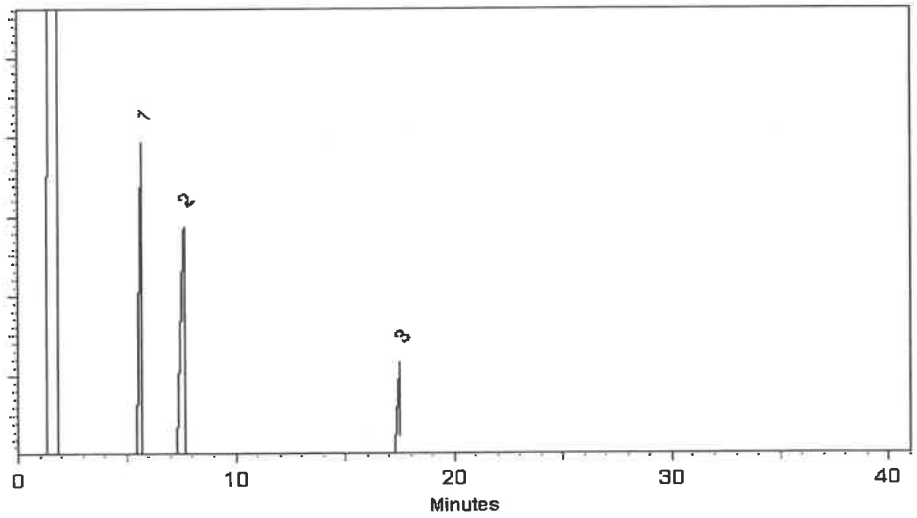
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

S12187 ↓ S12206 } RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
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@ 10°C/min. (hold 10 min.)

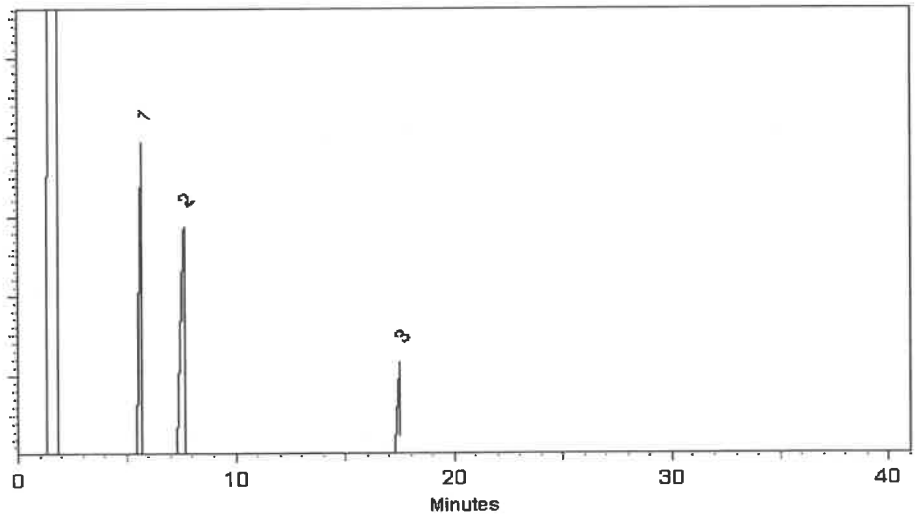
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

S12187 ↓ S12206 } RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

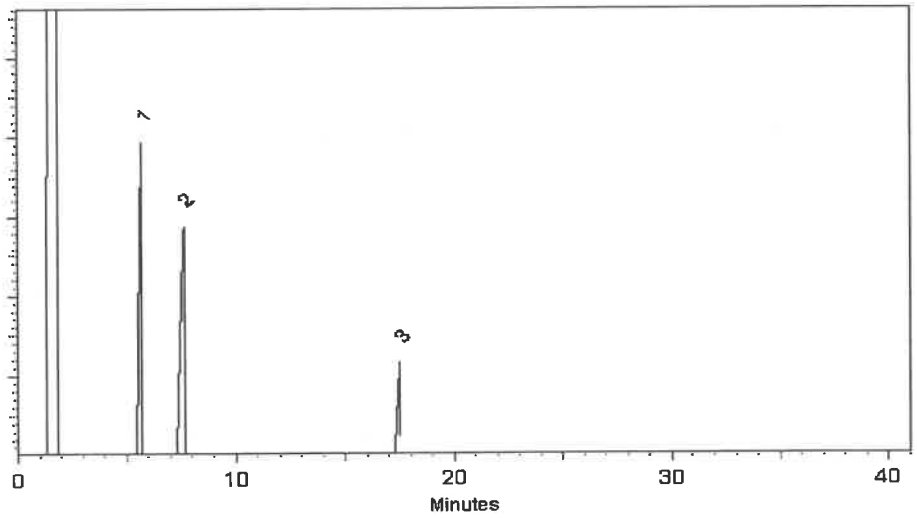
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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.)

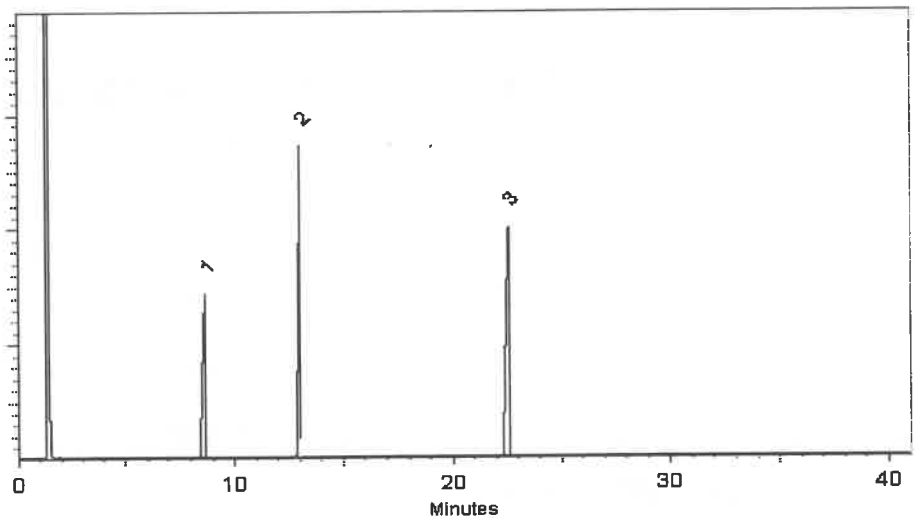
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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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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.)

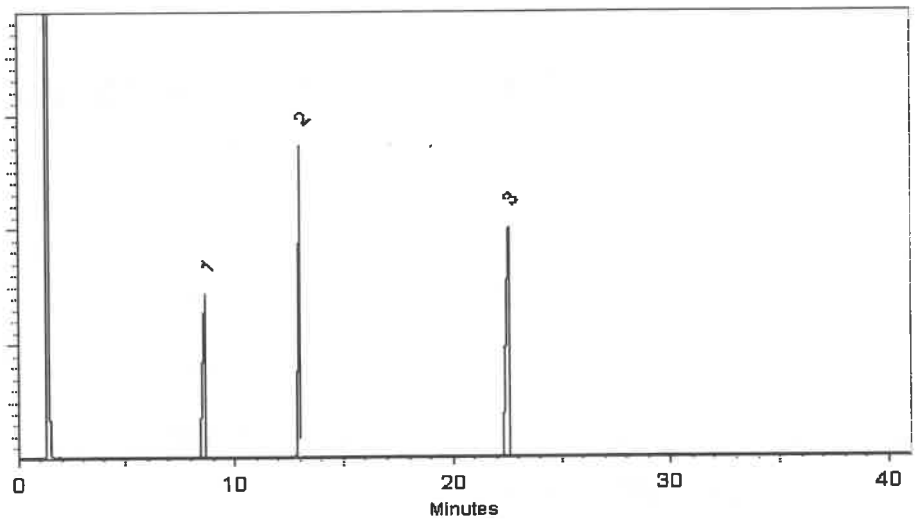
Inj. Temp:
250°C

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

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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.)

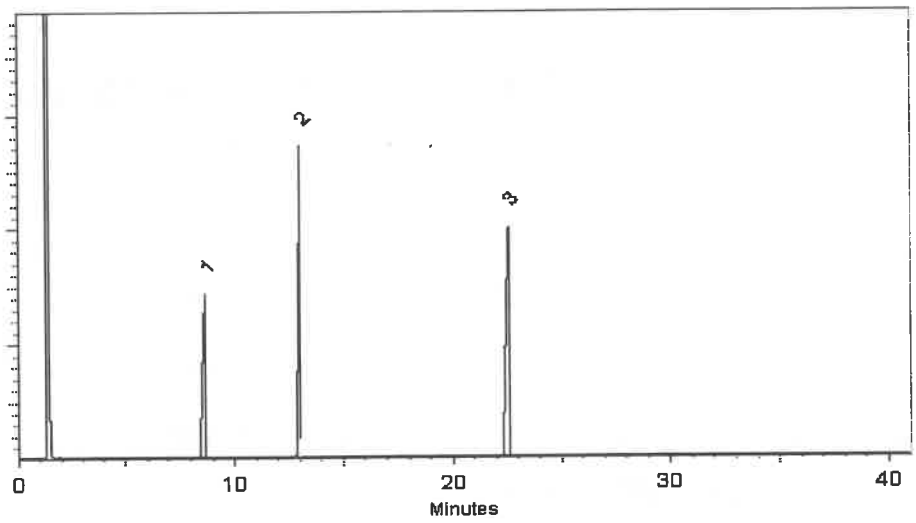
Inj. Temp:
250°C

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

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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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

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Solvent: Methylene chloride
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Purity 99%

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Quality Confirmation Test

Column:
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Carrier Gas:
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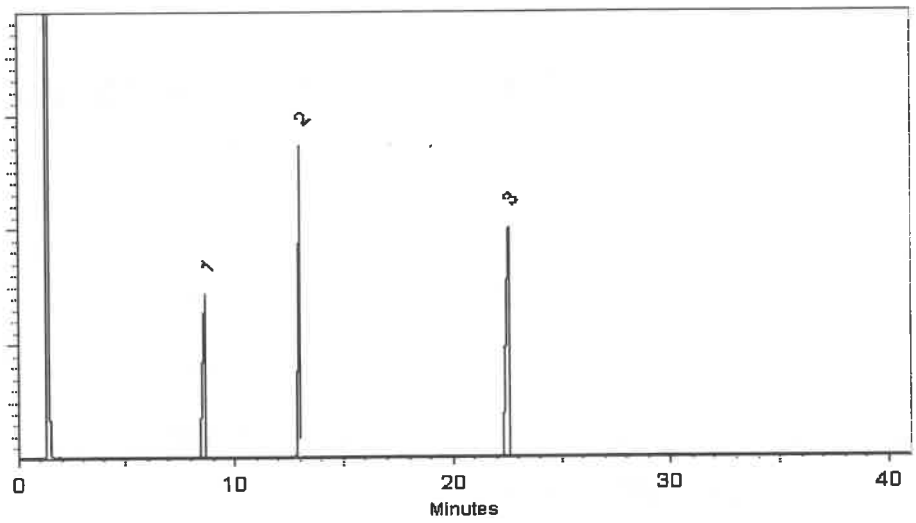
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250°C

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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Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

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Expiration Date : December 31, 2029 **Storage:** 10°C or colder

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S12207 ↓ S12221 RC/ 03/18/24

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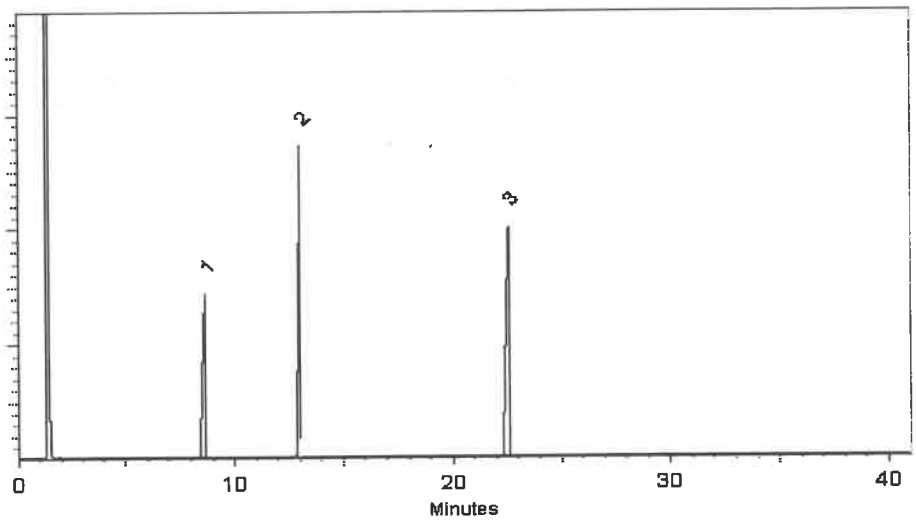
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Jennifer Pollino - Operations Tech III - ARM QC

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S12207 ↓ S12221 RC/ 03/18/24

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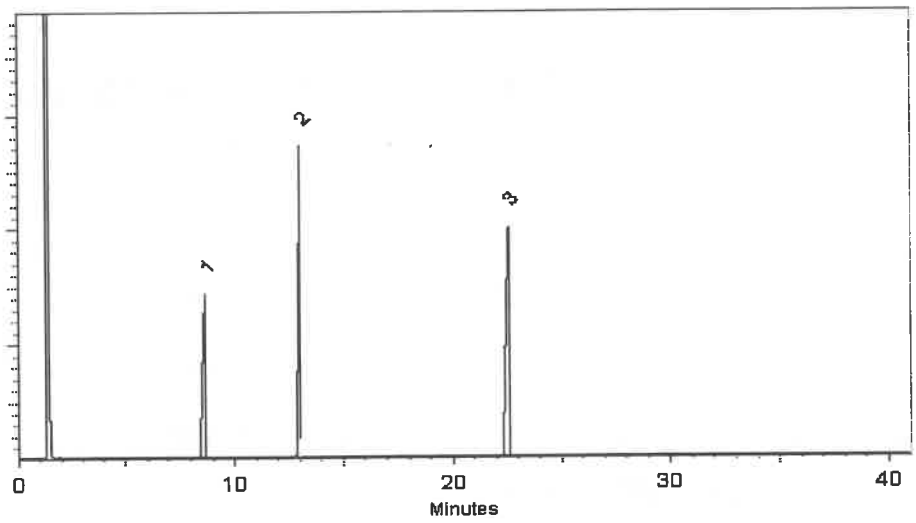
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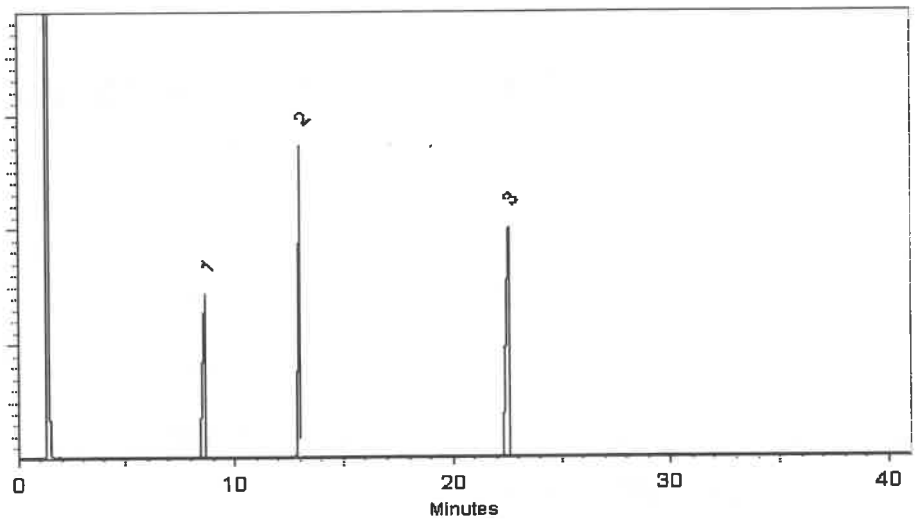
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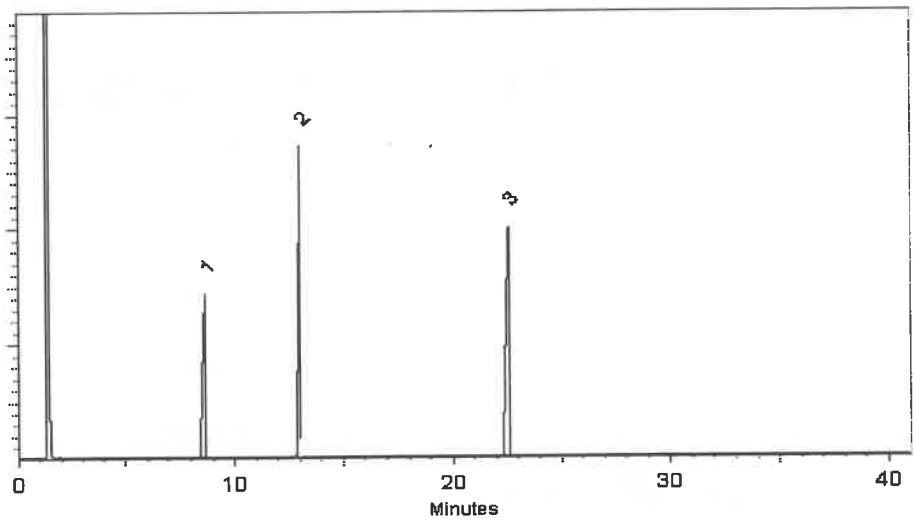
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Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	520963	≤ -10 °C	Methylene Chloride	10/10/2028	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1010 ± 9.89
acenaphthylene	208-96-8	97.6	14.290.1P	1014 ± 9.93
aniline	62-53-3	99.97	64.1.4P	1001 ± 9.8
anthracene	120-12-7	99.5	15.7.1P	999.6 ± 9.79
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 9.8
benzo[a]anthracene	56-55-3	100	16.7.3P	1007 ± 9.86
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1011 ± 14.11
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 10.96
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 13.95
benzo[a]pyrene	50-32-8	97	20.286.2P	999.9 ± 22.24
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 9.82
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	1000 ± 14.69
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1003 ± 13.89
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.15P	999.4 ± 14.68
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 9.8
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 17.03
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1.1P	1000 ± 13.85
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 16.79
carbazole	86-74-8	99.4	239.7.2P	1000 ± 9.8

S12270 ↓ S12274 } RC 05/24/24

*Not a certified value

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

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Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
hexachlorobenzene	118-74-1	99	46.158.4P	999.9 ± 13.96
hexachlorobutadiene	87-68-3	97.4	47.1.4P	1000 ± 9.79
hexachlorocyclopentadiene	77-47-4	99.2	48.2.2P	1001 ± 9.8
hexachloroethane	67-72-1	99.9	49.1.4P	1003 ± 9.82
indeno[1,2,3-cd]pyrene	193-39-5	98	25.286.4P	999.4 ± 22.23
isophorone	78-59-1	98.9	90.1.4P	999.9 ± 13.85
2-methyl-4,6-dinitrophenol	534-52-1	99.6	107.421.2DP	991 ± 24.09
1-methylnaphthalene	90-12-0	97.1	249.7.5P	999.2 ± 13.95
2-methylnaphthalene	91-57-6	97.4	68.7.2P	1006 ± 22.38
2-methylphenol	95-48-7	99.6	114.7.3P	1001 ± 13.87
3-methylphenol	108-39-4	99.1	115.7.4P	499.7 ± 6.92
4-methylphenol	106-44-5	99.5	116.7.1P	501.2 ± 6.94
naphthalene	91-20-3	99.8	26.9.1P	1018 ± 9.97
2-nitroaniline	88-74-4	99.7	69.29.1P	999.6 ± 9.79
3-nitroaniline	99-09-2	100	70.7.3P	1000 ± 9.74
4-nitroaniline	100-01-6	99.7	71.29.1P	1001 ± 9.8
nitrobenzene	98-95-3	100	94.7.1P	1000 ± 13.85
2-nitrophenol	88-75-5	99.1	108.29.1P	996.5 ± 13.81
4-nitrophenol	100-02-7	100	109.7.1P	1000 ± 13.82
N-nitrosodimethylamine	62-75-9	99.5	57.3.19P	998.5 ± 14.67
N-nitrosodi-n-propylamine	621-64-7	99.8	59.286.1P	996.8 ± 17
pentachlorophenol	87-86-5	99	110.1.7P	1004 ± 13.92
phenanthrene	85-01-8	99.7	27.1.5P	999 ± 12.87
phenol	108-95-2	100	112.7.1P	998.5 ± 13.8
pyrene	129-00-0	99.2	28.9.2P	998.9 ± 9.78
pyridine	110-86-1	100	101.24.1P	999 ± 9.73
2,3,4,6-Tetrachlorophenol	58-90-2	91.8	120.421.1P	996.5 ± 13.92

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	999.6 ± 9.79
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	999.5 ± 13.85
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	996 ± 13.8

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

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CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

S12275 ↓ S12279 } RC/ 05/24/24

*Not a certified value

Certified By: S. Hunter

Scott Hunter
Chemist

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

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Manufacturing Notes:

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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

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Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

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Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

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Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

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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

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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S12449 ↓ S12508 } RC 7/24/24

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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%.

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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.

Handling Notes:

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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

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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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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Expiration Notes:

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Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

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S12509 ↓ S12568 } RC/ 7/24/24

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110 Benner Circle
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ISO 17034 Accredited
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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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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
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5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

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Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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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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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

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5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
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5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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Catalog No. : 31615 **Lot No.:** A0212955

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,004.5 µg/mL	+/- 44.8902
2	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	1,004.5 µg/mL	+/- 44.8902
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 44.9572
4	4,4'-DDT	50-29-3	S240530RSR	97%	1,000.1 µg/mL	+/- 44.6922

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12577 ↓ S12579 RC 8/2/24

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

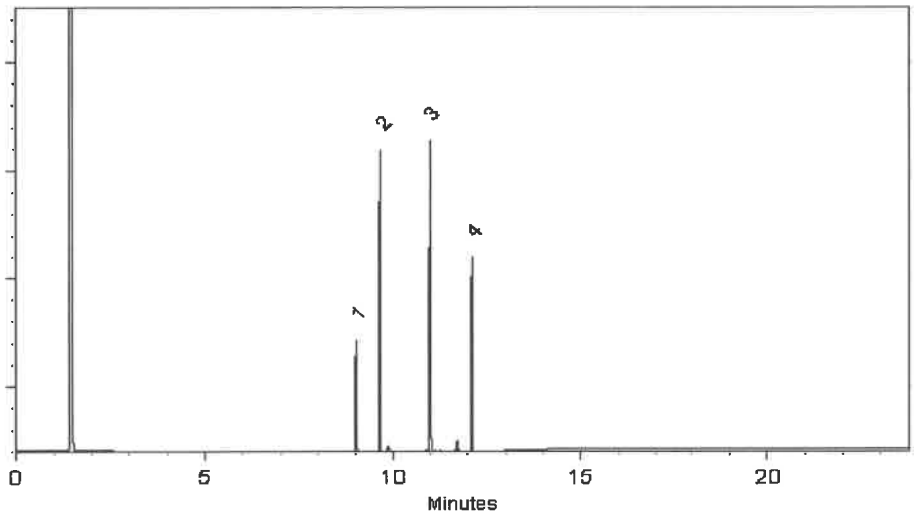
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 19-Jun-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

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. : 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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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%

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Catalog No. : 31206 **Lot No.:** A0212266

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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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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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1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302



54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302



54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302



54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302



54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302



54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302



54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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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.



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. Q1762
COC Number 2045863

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: GEC INC
ADDRESS: 8 CARRIAGE
CITY: SUCCASUNNA STATE: NJ ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: ANN
PROJECT NO.: LOCATION: NJ
PROJECT MANAGER: GL
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: GEC INC PO#:
ADDRESS: 8 CARRIAGE
CITY 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
- ☐ NYSASP A
- ☐ NYS ASP B
- ☐ Other
- X EDD FORMAT haz Site Mobile

ANALYSIS

1: TCL VOA + TICs
2: TCL BNA + TICs
3. 4 5 6 7 8 9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								HCl									← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	MW4	GW		X	4/9/25	1310	2	X									
2.	MW5	GW		X	4/9/25	1415	4	X	X								
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME	RECEIVED BY:
1.	4/9/25 1345	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.1 °C
Comments: If Cont 1

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1762 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 4/9/2025 2:47:49 PM
Project Name : ANN
Receive DateTime : 4/9/2025 1:45:00 PM
Purchase Order :

Project Mgr :
Report Type : ~~Level 1~~ NJ Reduced
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
Q1762-01	MW4	Water	04/09/2025	13:10					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1762-02	MW5	Water	04/09/2025	12:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days

YG 04/15/2025

Relinguished By :
Date / Time : 4-9-25 1525

Received By :
Date / Time : 4/9/25 1525

Storage Area : **VOA Refridgerator Room**