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

DATA PACKAGE

SEMI-VOLATILE ORGANICS

PROJECT NAME : NJ WASTE WATER PT

ALLIANCE TECHNICAL GROUP, LLC - NEWARK

284 Sheffiled Stree

Suite 1

Mountainside, NJ - 07092

Phone No: 908-789-8900

ORDER ID : Q1870

ATTENTION : Mohammad Ahmed

Laboratory Certification ID # 20012

Table Of Contents for Q1870

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

Order ID : Q1870

Project ID : NJ Waste Water PT

Client : Alliance Technical Group, LLC - Newark

Lab Sample Number	Client Sample Number
Q1870-01	38072-010925
Q1870-03	38073-100124

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

Signature : _____

Date: 5/6/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

Alliance Technical Group, LLC - Newark
Project Name: NJ Waste Water PT
Project # N/A
Chemtech Project # Q1870
Test Name: SVOCMS Group2

A. Number of Samples and Date of Receipt:
1 Water sample was received on 04/23/2025.
1 Water sample was received on 04/24/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOCMS Group2 and SVOCMS Group5. This data package contains results for SVOCMS Group2.

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

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

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

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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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CASE NARRATIVE

Alliance Technical Group, LLC - Newark
Project Name: NJ Waste Water PT
Project # N/A
Chemtech Project # Q1870
Test Name: SVOCMS Group5

A. Number of Samples and Date of Receipt:
1 Water sample was received on 04/23/2025.
1 Water sample was received on 04/24/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOCMS Group2 and SVOCMS Group5. This data package contains results for SVOCMS Group5.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_N using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOCMS Group5 was based on method 8270-Modified 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 except for,
38072-010925DL2 [2-Fluorobiphenyl - 0%,2-Methylnaphthalene-d10 - 0%, Fluoranthene-d10 - 0%, Nitrobenzene-d5 - 0%, Terphenyl-d14 - 0%],
The DMC recovery does not apply for those samples which have been diluted, Therefore no further corrective action was taken.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The Blank Spike met requirements for all samples.

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

Samples 38072-010925, 38072-010925DL were diluted due to high concentrations.

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E. Additional Comments:

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

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

F. Manual Integration Comments:

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

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

Signature_____

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1870

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

QA Review Signature: SOHIL JODHANI **Date:** 05/06/2025

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Hit Summary Sheet
SW-846

SDG No.: Q1870

Client: Alliance Technical Group, LLC - Newark

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**38073-100124**							
Q1870-03	38073-100124	WATER	2,4-Dimethylphenol	38.600		1.9	5	ug/L
			Total Svoc :			**38.60**		
			Total Concentration:			**38.60**		

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	04/22/25
Project:	NJ Waste Water PT	Date Received:	04/24/25
Client Sample ID:	38073-100124	SDG No.:	Q1870
Lab Sample ID:	Q1870-03	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050038.D	1	04/24/25 12:05	04/29/25 11:39	PB167729

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
105-67-9	2,4-Dimethylphenol	38.6		1.90	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	145		10 - 139	96%	SPK: 150
13127-88-3	Phenol-d6	149		10 - 134	100%	SPK: 150
118-79-6	2,4,6-Tribromophenol	154		44 - 137	103%	SPK: 150
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	245000	7.763			
1146-65-2	Naphthalene-d8	915000	10.557			
15067-26-2	Acenaphthene-d10	618000	14.41			
1517-22-2	Phenanthrene-d10	1210000	17.157			
1719-03-5	Chrysene-d12	1060000	21.403			
1520-96-3	Perylene-d12	1120000	24.403			

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

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q1870

Client: Alliance Technical Group, LLC - Newark

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167729BL	PB167729BL	2-Fluorophenol	150	134	89		10	139
		Phenol-d6	150	129	86		10	134
		2,4,6-Tribromophenol	150	126	84		44	137
PB167729BS	PB167729BS	2-Fluorophenol	150	133	89		10	139
		Phenol-d6	150	131	87		10	134
		2,4,6-Tribromophenol	150	133	89		44	137
Q1870-03	38073-100124	2-Fluorophenol	150	145	96		10	139
		Phenol-d6	150	149	100		10	134
		2,4,6-Tribromophenol	150	154	103		44	137

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1870

Client: Alliance Technical Group, LLC - Newark

Analytical Method: 8270E **DataFile:** BM050040.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167729BS	2,4-Dimethylphenol	50	43.5	ug/L	87				42	142	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167729BL

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM Case No.: Q1870 SAS No.: Q1870 SDG NO.: Q1870

Lab File ID: BM050036.D Lab Sample ID: PB167729BL

Instrument ID: BNA_M Date Extracted: 04/24/2025

Matrix: (soil/water) Water Date Analyzed: 04/29/2025

Level: (low/med) LOW Time Analyzed: 09:52

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167729BS	PB167729BS	BM050040.D	04/29/2025
38073-100124	Q1870-03	BM050038.D	04/29/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM SAS No.: Q1870 SDG NO.: Q1870

Lab File ID: BM050023.D DFTPP Injection Date: 04/28/2025

Instrument ID: BNA_M DFTPP Injection Time: 11:46

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	23.8
68	Less than 2.0% of mass 69	0.4 (1.3) 1
69	Mass 69 relative abundance	28.5
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	35.7
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
275	10.0 - 60.0% of mass 198	26.2
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	11.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.4 (19.3) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BM050024.D	04/28/2025	12:30
SSTDICC005	SSTDICC005	BM050025.D	04/28/2025	13:09
SSTDICC010	SSTDICC010	BM050026.D	04/28/2025	13:48
SSTDICC020	SSTDICC020	BM050027.D	04/28/2025	14:27
SSTDICCC040	SSTDICCC040	BM050028.D	04/28/2025	15:06
SSTDICC050	SSTDICC050	BM050029.D	04/28/2025	15:45
SSTDICC060	SSTDICC060	BM050030.D	04/28/2025	16:24
SSTDICC080	SSTDICC080	BM050031.D	04/28/2025	17:04

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM SAS No.: Q1870 SDG NO.: Q1870

Lab File ID: BM050034.D DFTPP Injection Date: 04/29/2025

Instrument ID: BNA_M DFTPP Injection Time: 08:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	23.3
68	Less than 2.0% of mass 69	0.4 (1.4) 1
69	Mass 69 relative abundance	28.2
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	35
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	26.2
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	11.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.5 (19.6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BM050035.D	04/29/2025	09:13
PB167729BL	PB167729BL	BM050036.D	04/29/2025	09:52
38073-100124	Q1870-03	BM050038.D	04/29/2025	11:39
PB167729BS	PB167729BS	BM050040.D	04/29/2025	12:58

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1870 SAS No.: Q1870 SDG NO.: Q1870

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/29/2025

Lab File ID: BM050035.D Time Analyzed: 09:13

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	251798	7.769	911122	10.56	601329	14.41
	UPPER LIMIT	503596	8.269	1822240	11.057	1202660	14.91
	LOWER LIMIT	125899	7.269	455561	10.057	300665	13.91
	EPA SAMPLE NO.						
01	PB167729BL	267473	7.77	926574	10.56	611197	14.41
02	38073-100124	245413	7.76	914618	10.56	618114	14.41
03	PB167729BS	269893	7.76	961152	10.56	608153	14.41

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.: Q1870 SAS No.: Q1870 SDG NO.: Q1870

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/29/2025

Lab File ID: BM050035.D Time Analyzed: 09:13

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1168790	17.156	1131300	21.397	1083540	24.397
	UPPER LIMIT	2337580	17.656	2262600	21.897	2167080	24.897
	LOWER LIMIT	584395	16.656	565650	20.897	541770	23.897
	EPA SAMPLE NO.						
01	PB167729BL	1171850	17.16	971539	21.40	1012330	24.40
02	38073-100124	1211510	17.16	1057120	21.40	1117520	24.40
03	PB167729BS	1141690	17.16	1074280	21.40	1054030	24.40

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.

QC SAMPLE DATA

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB167729BL	SDG No.:	Q1870
Lab Sample ID:	PB167729BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050036.D	1	04/24/25 12:05	04/29/25 09:52	PB167729

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	134		10 - 139	89%	SPK: 150
13127-88-3	Phenol-d6	129		10 - 134	86%	SPK: 150
118-79-6	2,4,6-Tribromophenol	126		44 - 137	84%	SPK: 150
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	267000	7.769			
1146-65-2	Naphthalene-d8	927000	10.563			
15067-26-2	Acenaphthene-d10	611000	14.41			
1517-22-2	Phenanthrene-d10	1170000	17.162			
1719-03-5	Chrysene-d12	972000	21.403			
1520-96-3	Perylene-d12	1010000	24.403			

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

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB167729BS	SDG No.:	Q1870
Lab Sample ID:	PB167729BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050040.D	1	04/24/25 12:05	04/29/25 12:58	PB167729

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
105-67-9	2,4-Dimethylphenol	43.5		1.90	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	133		10 - 139	89%	SPK: 150
13127-88-3	Phenol-d6	131		10 - 134	87%	SPK: 150
118-79-6	2,4,6-Tribromophenol	133		44 - 137	89%	SPK: 150
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	270000	7.763			
1146-65-2	Naphthalene-d8	961000	10.557			
15067-26-2	Acenaphthene-d10	608000	14.41			
1517-22-2	Phenanthrene-d10	1140000	17.156			
1719-03-5	Chrysene-d12	1070000	21.397			
1520-96-3	Perylene-d12	1050000	24.397			

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

CALIBRATION SUMMARY

Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Apr 28 18:09:16 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BM050024.D 5 =BM050025.D 10 =BM050026.D 20 =BM050027.D 40 =BM050028.D 50 =BM050029.D 60 =BM050030.D 80 =BM0500
31.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	ISTD									
2)		1,4-Dioxane		0.506	0.464	0.478	0.511	0.504	0.491	0.473	0.490	3.75
3)		Pyridine		1.201	1.166	1.229	1.331	1.328	1.292	1.261	1.258	5.03
4)		n-Nitrosodimet...		0.487	0.459	0.475	0.522	0.518	0.504	0.490	0.493	4.62
5)	S	2-Fluorophenol		1.074	1.079	1.107	1.208	1.211	1.173	1.142	1.142	5.04
6)		Aniline		1.657	1.689	1.768	1.942	1.922	1.875	1.835	1.813	6.16
7)	S	Phenol-d6		1.290	1.318	1.398	1.543	1.537	1.494	1.469	1.436	7.13
8)		2-Chlorophenol		1.169	1.161	1.198	1.312	1.301	1.268	1.235	1.235	4.96
9)		Benzaldehyde		0.940	0.920	0.971	1.031	1.013	0.956	0.894	0.961	5.08
10)	C	Phenol		1.349	1.344	1.420	1.539	1.537	1.501	1.483	1.453	5.73
11)		bis(2-Chloroet...		1.213	1.105	1.176	1.279	1.271	1.233	1.218	1.213	4.90
12)		1,3-Dichlorobe...		1.483	1.428	1.453	1.566	1.552	1.508	1.453	1.492	3.51
13)	C	1,4-Dichlorobe...		1.518	1.418	1.463	1.561	1.557	1.516	1.458	1.499	3.60
14)		1,2-Dichlorobe...		1.420	1.393	1.423	1.522	1.506	1.464	1.405	1.448	3.50
15)		Benzyl Alcohol		0.866	0.881	0.966	1.080	1.074	1.050	1.050	0.996	9.16
16)		2,2'-oxybis(1-...		1.487	1.422	1.445	1.552	1.513	1.473	1.433	1.475	3.17
17)		2-Methylphenol		0.857	0.893	0.931	1.033	1.026	0.988	0.975	0.957	6.96
18)		Hexachloroethane		0.552	0.508	0.521	0.556	0.548	0.533	0.510	0.533	3.79
19)	P	n-Nitroso-di-n...	0.802	0.889	0.885	0.921	1.003	0.988	0.949	0.928	0.921	6.95
20)		3+4-Methylphenols		1.137	1.170	1.267	1.393	1.392	1.349	1.341	1.293	8.09
21)	I	Naphthalene-d8	ISTD									
22)		Acetophenone		0.483	0.464	0.485	0.531	0.525	0.506	0.487	0.497	4.94
23)	S	Nitrobenzene-d5		0.386	0.374	0.397	0.434	0.433	0.417	0.400	0.406	5.68
24)		Nitrobenzene		0.337	0.325	0.345	0.374	0.372	0.358	0.346	0.351	5.16
25)		Isophorone		0.666	0.648	0.680	0.729	0.729	0.704	0.687	0.692	4.44
26)	C	2-Nitrophenol		0.148	0.157	0.172	0.196	0.198	0.192	0.191	0.179	11.33
27)		2,4-Dimethylph...		0.263	0.266	0.289	0.324	0.322	0.312	0.305	0.297	8.42
28)		bis(2-Chloroet...		0.407	0.399	0.422	0.455	0.452	0.434	0.425	0.428	4.92
29)	C	2,4-Dichloroph...		0.294	0.298	0.326	0.362	0.359	0.351	0.342	0.333	8.47
30)		1,2,4-Trichlor...		0.400	0.384	0.394	0.427	0.426	0.412	0.399	0.406	4.02
31)		Naphthalene		1.001	0.959	0.993	1.066	1.057	1.023	0.989	1.013	3.80
32)		Benzoic acid			0.138	0.172	0.197	0.206	0.212	0.215	0.190	15.67
33)		4-Chloroaniline		0.361	0.393	0.404	0.441	0.448	0.437	0.423	0.415	7.51
34)	C	Hexachlorobuta...		0.253	0.240	0.249	0.270	0.270	0.263	0.258	0.258	4.34
35)		Caprolactam		0.090	0.085	0.095	0.104	0.104	0.102	0.100	0.097	7.73
36)	C	4-Chloro-3-met...		0.289	0.283	0.302	0.325	0.329	0.317	0.309	0.308	5.72
37)		2-Methylnaphth...		0.656	0.639	0.662	0.713	0.714	0.692	0.678	0.679	4.22
38)		1-Methylnaphth...		0.703	0.675	0.708	0.753	0.751	0.731	0.710	0.719	3.92

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM042825.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.624	0.622	0.655	0.742	0.745	0.725	0.733	0.692	8.17
41)	P	Hexachlorocycl...		0.303	0.362	0.455	0.468	0.467	0.483	0.423	17.30
42)	S	2,4,6-Tribromo...	0.253	0.249	0.281	0.318	0.329	0.318	0.323	0.296	11.61
43)	C	2,4,6-Trichlor...	0.372	0.381	0.423	0.476	0.485	0.467	0.469	0.439	10.76
44)		2,4,5-Trichlor...	0.410	0.417	0.453	0.517	0.519	0.501	0.497	0.474	9.83
45)	S	2-Fluorobiphenyl	1.588	1.555	1.632	1.807	1.822	1.744	1.688	1.691	6.21
46)		1,1'-Biphenyl	1.427	1.395	1.452	1.573	1.581	1.507	1.473	1.487	4.77
47)		2-Chloronaphth...	1.126	1.112	1.155	1.250	1.248	1.192	1.158	1.177	4.69
48)		2-Nitroaniline	0.238	0.242	0.269	0.302	0.304	0.294	0.286	0.276	9.96
49)		Acenaphthylene	1.794	1.715	1.810	1.972	1.971	1.889	1.845	1.857	5.10
50)		Dimethylphthalate	1.444	1.377	1.437	1.532	1.543	1.470	1.429	1.462	4.02
51)		2,6-Dinitrotol...	0.266	0.271	0.299	0.327	0.331	0.316	0.309	0.303	8.50
52)	C	Acenaphthene	1.038	0.998	1.046	1.133	1.145	1.094	1.067	1.075	4.93
53)		3-Nitroaniline	0.233	0.247	0.284	0.321	0.325	0.311	0.302	0.289	12.47
54)	P	2,4-Dinitrophenol		0.100	0.132	0.178	0.194	0.188	0.191	0.164	23.65
55)		Dibenzofuran	1.749	1.681	1.749	1.876	1.888	1.810	1.763	1.788	4.17
56)	P	4-Nitrophenol		0.128	0.180	0.224	0.237	0.231	0.231	0.205	20.96
57)		2,4-Dinitrotol...	0.338	0.366	0.412	0.456	0.468	0.447	0.440	0.418	11.72
58)		Fluorene	1.387	1.343	1.431	1.558	1.573	1.500	1.453	1.463	5.84
59)		2,3,4,6-Tetrac...	0.366	0.362	0.398	0.435	0.445	0.432	0.431	0.410	8.44
60)		Diethylphthalate	1.372	1.301	1.380	1.433	1.451	1.376	1.328	1.377	3.86
61)		4-Chlorophenyl...	0.741	0.716	0.770	0.857	0.871	0.836	0.836	0.804	7.58
62)		4-Nitroaniline	0.208	0.234	0.277	0.313	0.321	0.301	0.295	0.279	15.17
63)		Azobenzene	1.118	1.091	1.150	1.216	1.229	1.165	1.110	1.154	4.59
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.088	0.110	0.135	0.142	0.138	0.137	0.125	17.16
66)	c	n-Nitrosodiphe...	0.580	0.572	0.596	0.655	0.657	0.629	0.610	0.614	5.56
67)		4-Bromophenyl-...	0.223	0.216	0.229	0.258	0.258	0.256	0.253	0.242	7.60
68)		Hexachlorobenzene	0.265	0.251	0.264	0.294	0.295	0.291	0.291	0.279	6.49
69)		Atrazine	0.196	0.198	0.214	0.236	0.242	0.234	0.230	0.222	8.47
70)	C	Pentachlorophenol		0.117	0.141	0.167	0.172	0.170	0.174	0.157	14.52
71)		Phenanthrene	1.075	1.035	1.083	1.187	1.212	1.173	1.132	1.128	5.84
72)		Anthracene	1.062	1.038	1.096	1.214	1.236	1.191	1.154	1.142	6.78
73)		Carbazole	0.909	0.900	0.960	1.054	1.075	1.038	0.999	0.991	7.05
74)		Di-n-butylphth...	1.106	1.082	1.151	1.246	1.277	1.231	1.165	1.180	6.25
75)	C	Fluoranthene	1.178	1.142	1.250	1.410	1.455	1.425	1.411	1.324	9.86
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.560	0.646	0.772	0.769	0.765	0.751	0.710	12.36
78)		Pyrene	1.290	1.255	1.332	1.518	1.520	1.465	1.453	1.404	7.83
79)	S	Terphenyl-d14	1.176	1.189	1.332	1.524	1.541	1.458	1.239	1.352	11.58
80)		Butylbenzylpht...	0.489	0.479	0.515	0.562	0.568	0.545	0.524	0.526	6.53
81)		Benzo(a)anthra...	1.280	1.231	1.321	1.478	1.479	1.442	1.408	1.377	7.24
82)		3,3'-Dichlorob...	0.434	0.432	0.483	0.580	0.597	0.583	0.581	0.527	14.14
83)		Chrysene	1.208	1.170	1.214	1.342	1.369	1.325	1.296	1.275	6.03
84)		Bis(2-ethylhex...	0.726	0.725	0.775	0.843	0.852	0.814	0.765	0.786	6.61
85)	c	Di-n-octyl pht...	1.221	1.197	1.267	1.366	1.404	1.341	1.275	1.296	5.92

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM042825.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.301	1.293	1.404	1.602	1.646	1.591	1.595	1.490	10.27
88)		Benzo(b)fluora...	1.128	1.149	1.209	1.406	1.415	1.408	1.390	1.301	10.16
89)		Benzo(k)fluora...	1.219	1.150	1.251	1.387	1.449	1.383	1.372	1.316	8.29
90)	C	Benzo(a)pyrene	1.094	1.066	1.147	1.295	1.330	1.298	1.297	1.218	9.15
91)		Dibenzo(a,h)an...	1.056	1.044	1.142	1.300	1.347	1.305	1.310	1.215	10.72
92)		Benzo(g,h,i)pe...	1.066	1.030	1.105	1.236	1.268	1.224	1.212	1.163	8.07

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM Case No.: Q1870 SAS No.: Q1870 SDG No.: Q1870

Instrument ID: BNA_M Calibration Date/Time: 04/29/2025 09:13

Lab File ID: BM050035.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.142	1.236		8.2	
Phenol-d6	1.436	1.548		7.8	
Nitrobenzene-d5	0.406	0.443		9.1	
2,4-Dimethylphenol	0.297	0.320		7.7	
2-Fluorobiphenyl	1.691	1.844		9.0	
2,4,6-Tribromophenol	0.296	0.317		7.1	
Terphenyl-d14	1.352	1.558		15.2	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042925\
Data File : BM050038.D
Acq On : 29 Apr 2025 11:39
Operator : RC/JU
Sample : Q1870-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
38073-100124

Quant Time: Apr 29 12:23:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

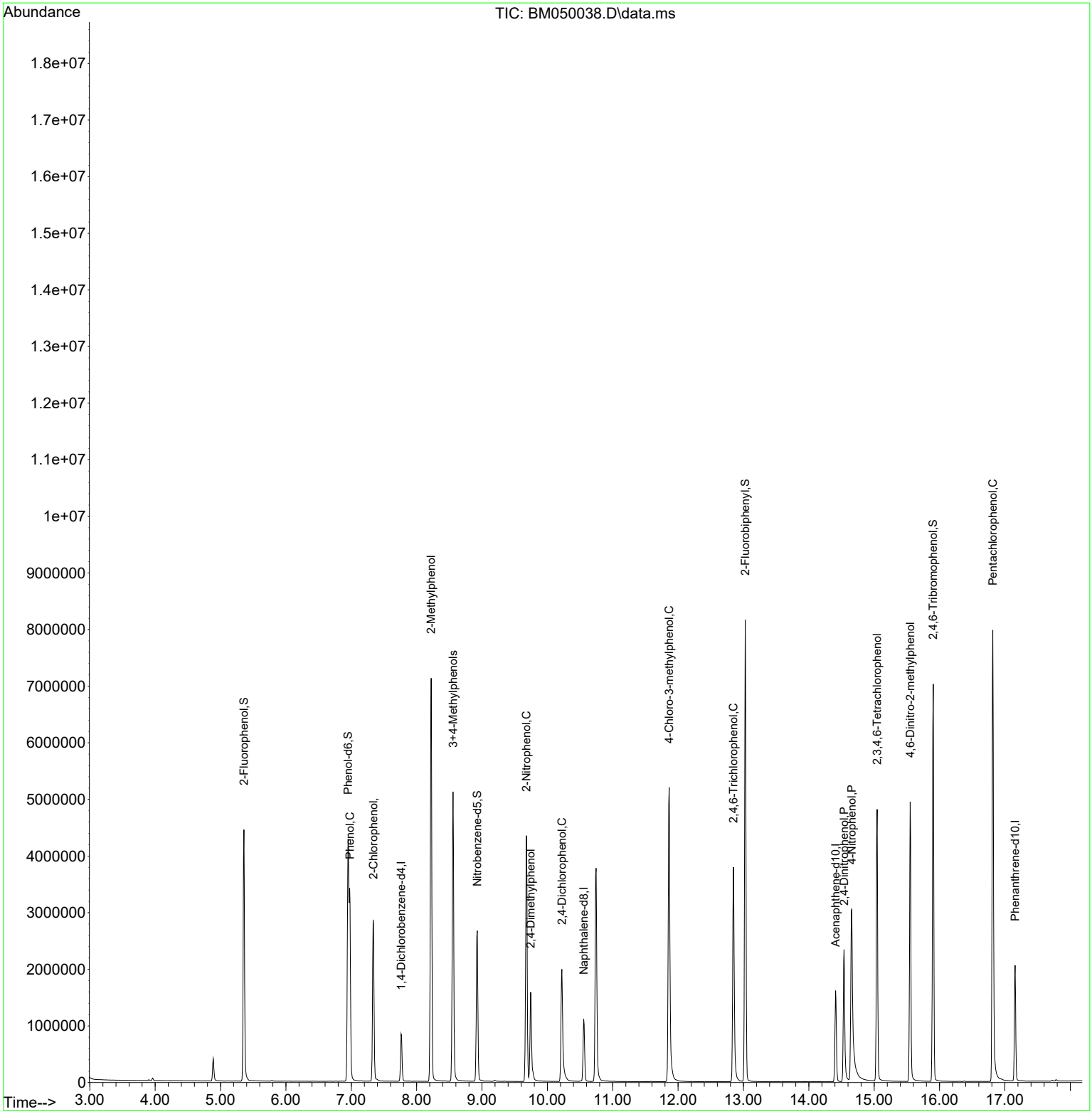
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	245413	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	914618	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	618114	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1211511	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1057120	20.000	ng	0.00
86) Perylene-d12	24.403	264	1117523	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	2025635	144.533	ng	0.00
7) Phenol-d6	6.951	99	2630309	149.322	ng	0.00
23) Nitrobenzene-d5	8.928	82	1551763	83.604	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1407153	153.962	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	4363352	83.509	ng	0.00
79) Terphenyl-d14	19.780	244	7391887	103.471	ng	0.00
Target Compounds						Qvalue
8) 2-Chlorophenol	7.340	128	1351687	89.201	ng	100
10) Phenol	6.981	94	1764956	98.975	ng	97
17) 2-Methylphenol	8.222	107	2184055	185.916	ng	98
20) 3+4-Methylphenols	8.557	107	1923303	121.233	ng	91
26) 2-Nitrophenol	9.681	139	1546833	188.661	ng	99
27) 2,4-Dimethylphenol	9.745	122	524727	38.592	ng	98
29) 2,4-Dichlorophenol	10.222	162	933870	61.308	ng	99
36) 4-Chloro-3-methylphenol	11.863	107	2073107	147.310	ng	99
43) 2,4,6-Trichlorophenol	12.845	196	1151938	84.878	ng	97
54) 2,4-Dinitrophenol	14.539	184	658465	107.856	ng	99
56) 4-Nitrophenol	14.657	139	1345989	179.320	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.045	232	1063736	83.970	ng	98
65) 4,6-Dinitro-2-methylph...	15.551	198	1381151	182.123	ng	97
70) Pentachlorophenol	16.815	266	1687241	177.494	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042925\
Data File : BM050038.D
Acq On : 29 Apr 2025 11:39
Operator : RC/JU
Sample : Q1870-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
38073-100124

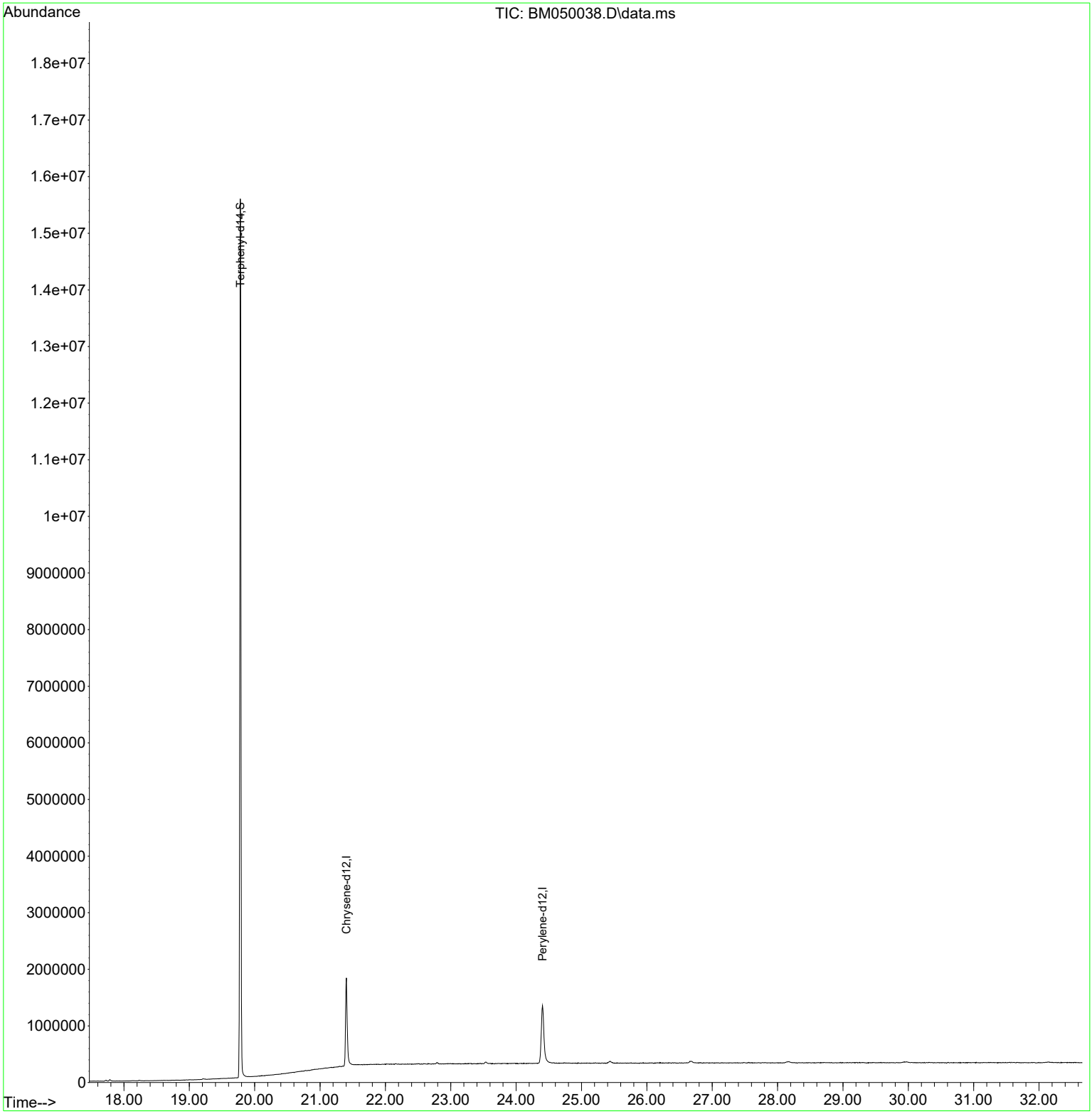
Quant Time: Apr 29 12:23:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

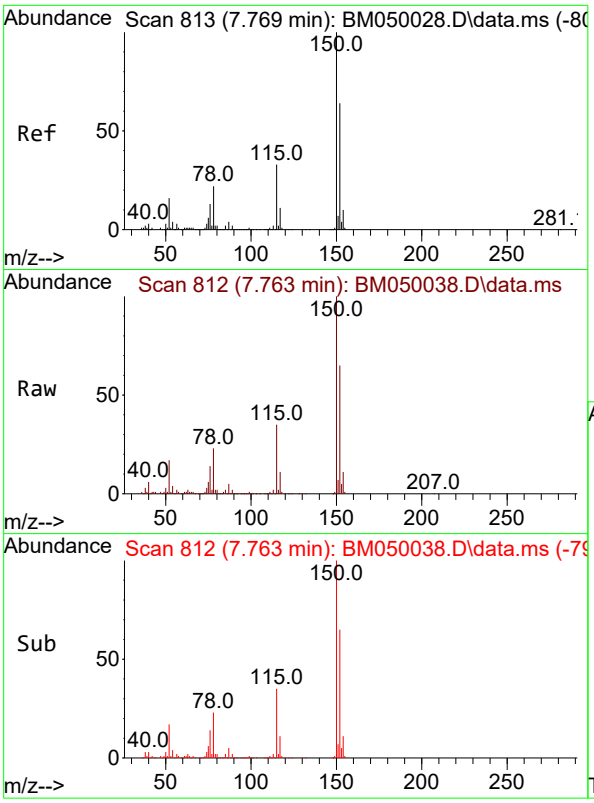


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042925\
Data File : BM050038.D
Acq On : 29 Apr 2025 11:39
Operator : RC/JU
Sample : Q1870-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
38073-100124

Quant Time: Apr 29 12:23:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



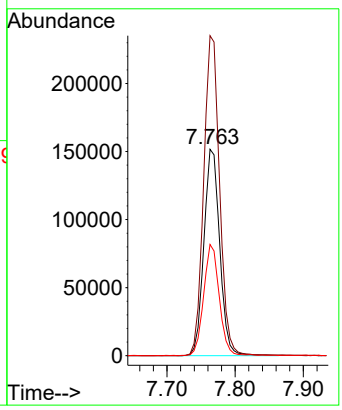


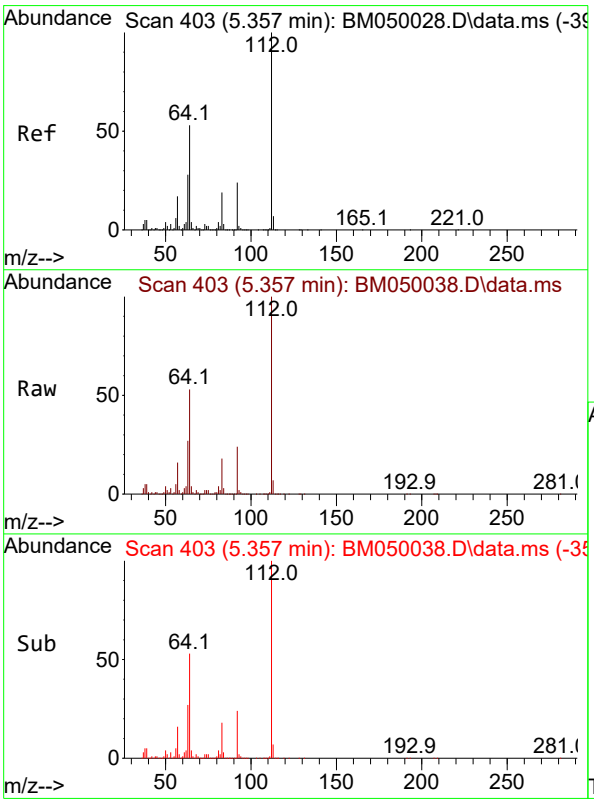
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Instrument :
BNA_M
ClientSampleId :
38073-100124

Tgt Ion:152 Resp: 245413

Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.1	186.1
115	53.9	41.2	61.8

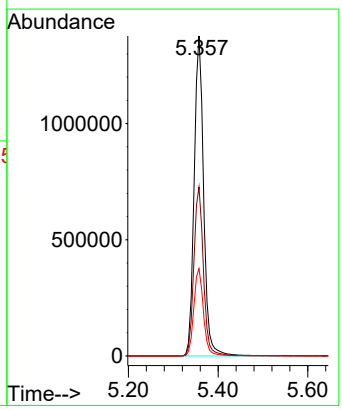




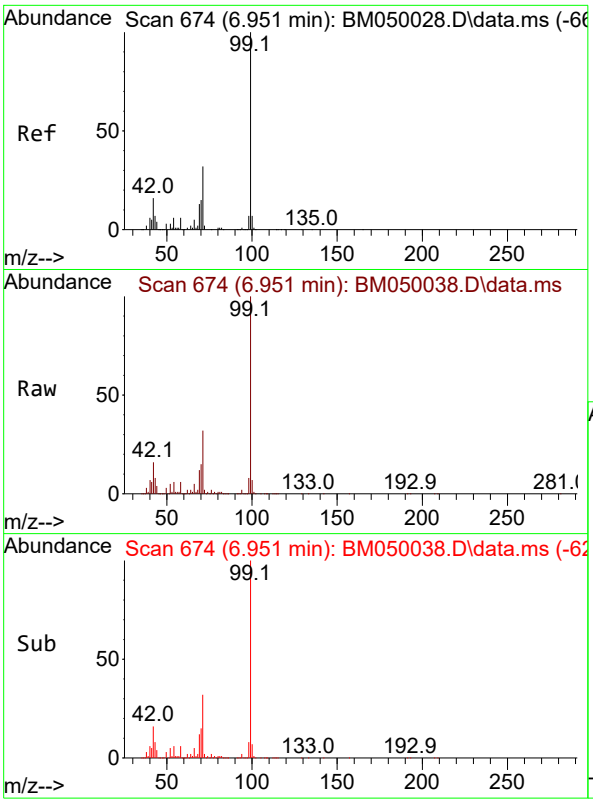
#5
2-Fluorophenol
Concen: 144.533 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Tgt Ion:112 Resp: 2025635

Ion	Ratio	Lower	Upper
112	100		
64	52.8	42.6	64.0
63	27.3	22.2	33.4



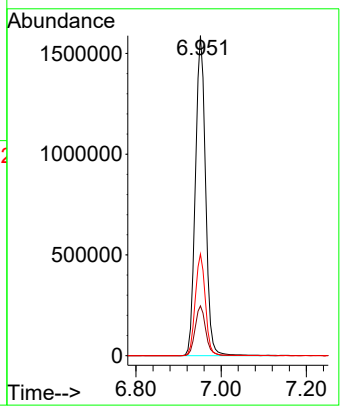
Instrument :
BNA_M
ClientSampleId :
38073-100124

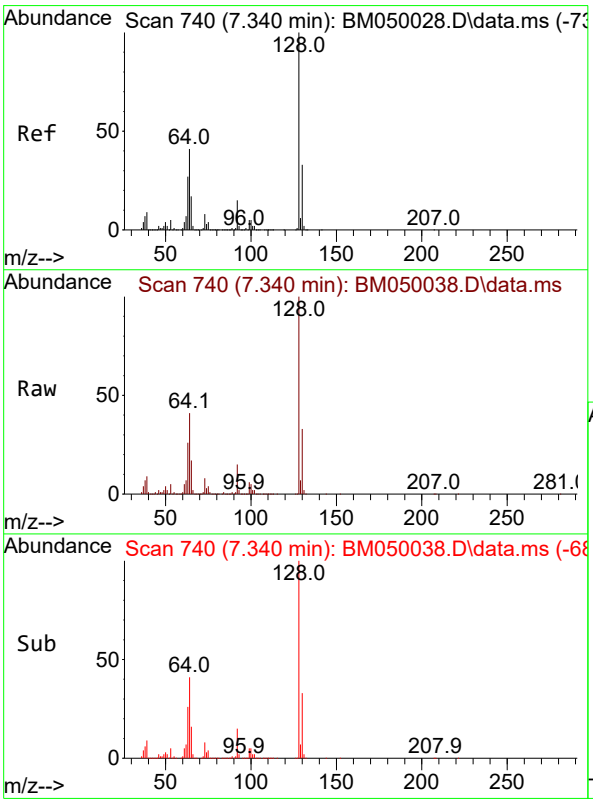


#7
Phenol-d6
Concen: 149.322 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Tgt Ion: 99 Resp: 2630309

Ion	Ratio	Lower	Upper
99	100		
42	15.5	13.0	19.4
71	31.8	25.6	38.4

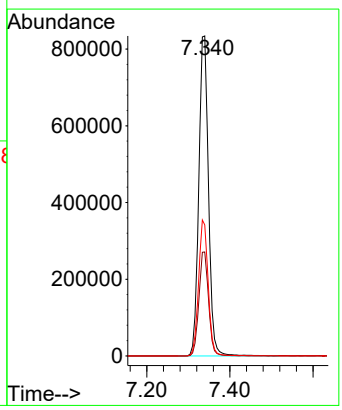


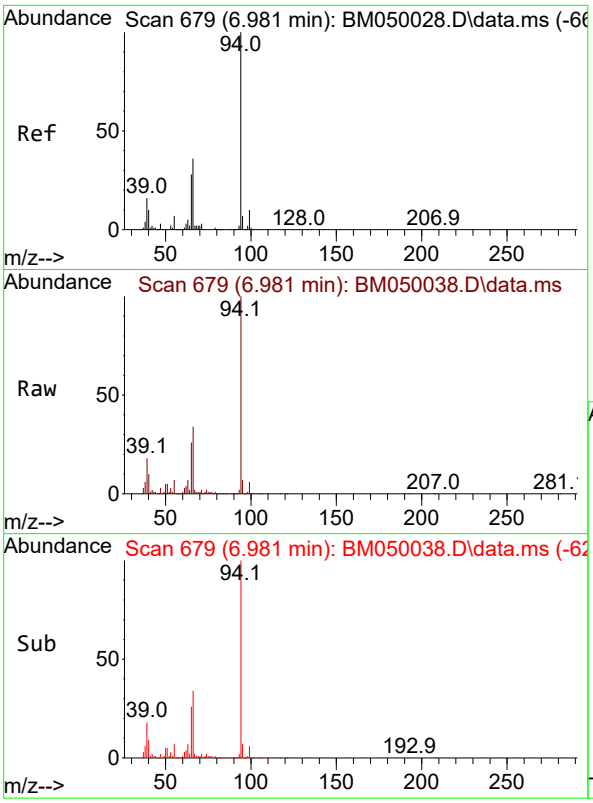


#8
2-Chlorophenol
Concen: 89.201 ng
RT: 7.340 min Scan# 740
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Tgt Ion:128 Resp: 1351687

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.8	52.8
64	40.9	21.2	61.2



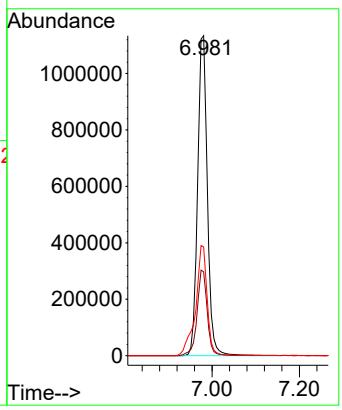


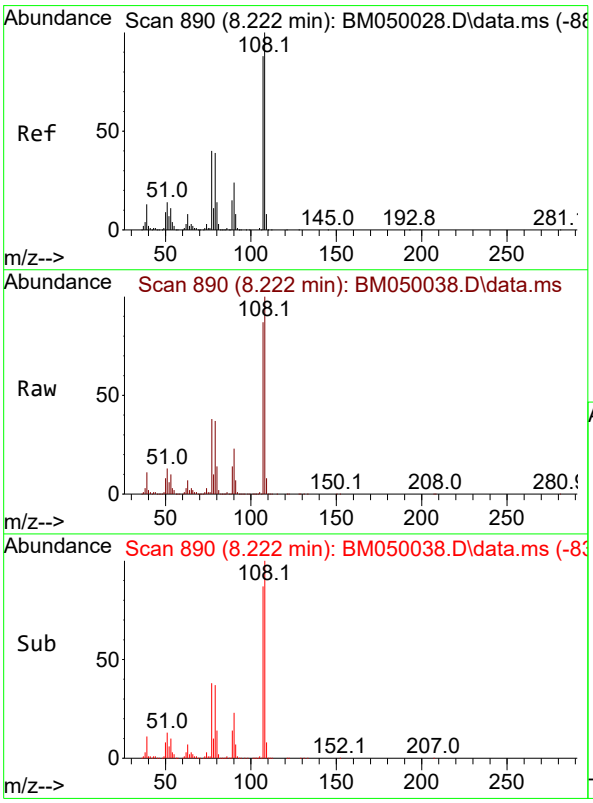
#10
Phenol
Concen: 98.975 ng
RT: 6.981 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Instrument :
BNA_M
ClientSampleId :
38073-100124

Tgt Ion: 94 Resp: 1764956

Ion	Ratio	Lower	Upper
94	100		
65	26.2	7.6	47.6
66	34.0	15.8	55.8

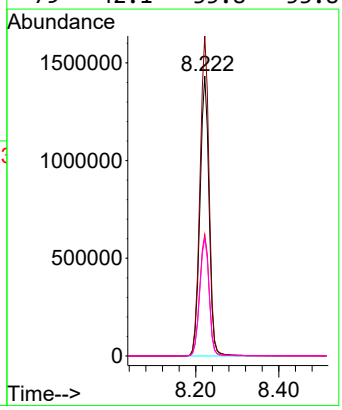


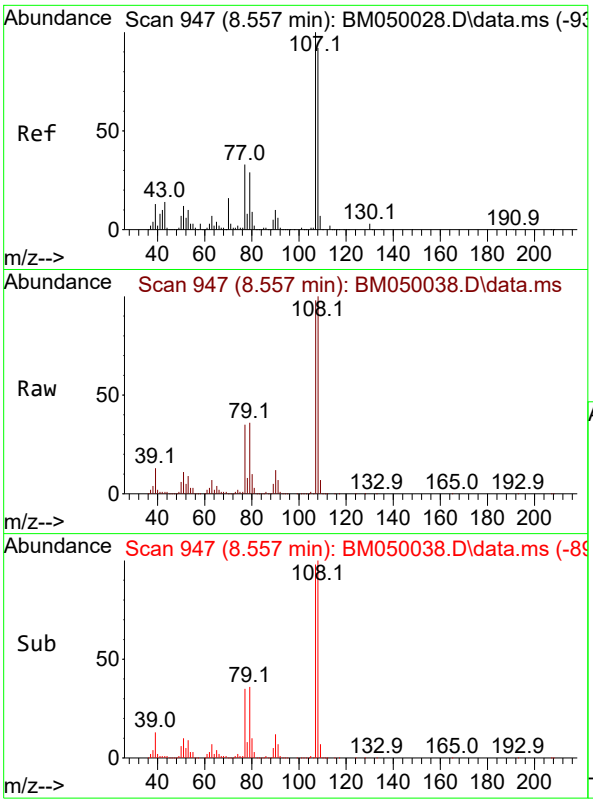


#17
2-Methylphenol
Concen: 185.916 ng
RT: 8.222 min Scan# 890
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Tgt Ion:107 Resp: 2184055

Ion	Ratio	Lower	Upper
107	100		
108	114.3	91.1	136.7
77	43.4	36.2	54.4
79	42.1	35.8	53.8



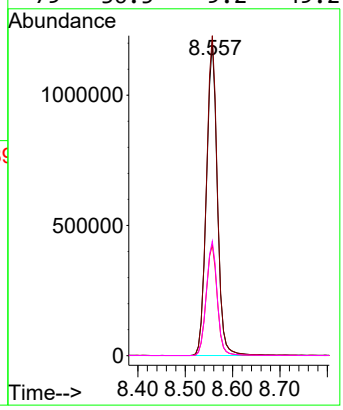


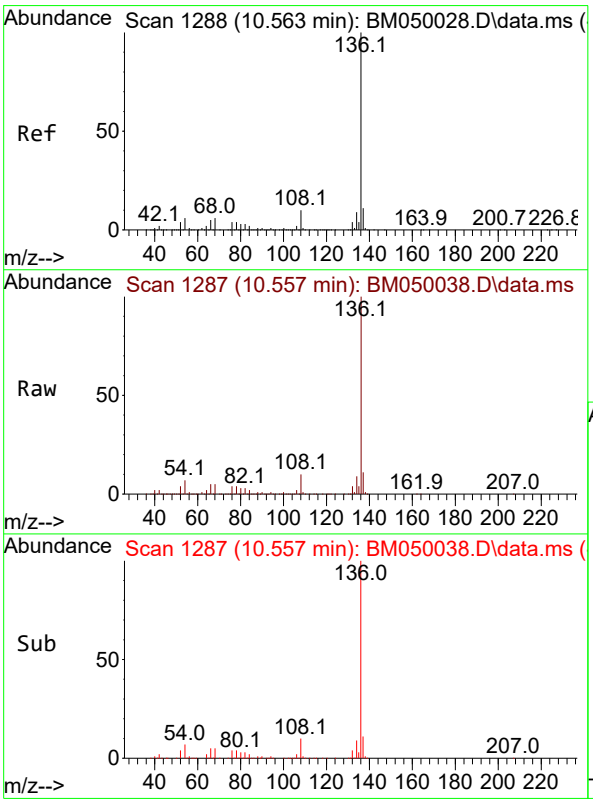
#20
3+4-Methylphenols
Concen: 121.233 ng
RT: 8.557 min Scan# 94
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Instrument :
BNA_M
ClientSampleId :
38073-100124

Tgt Ion:107 Resp: 1923303

Ion	Ratio	Lower	Upper
107	100		
108	102.1	72.4	112.4
77	35.4	13.6	53.6
79	36.5	9.2	49.2

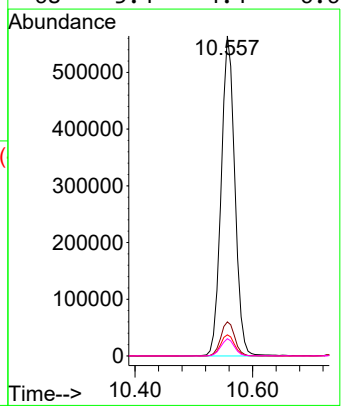


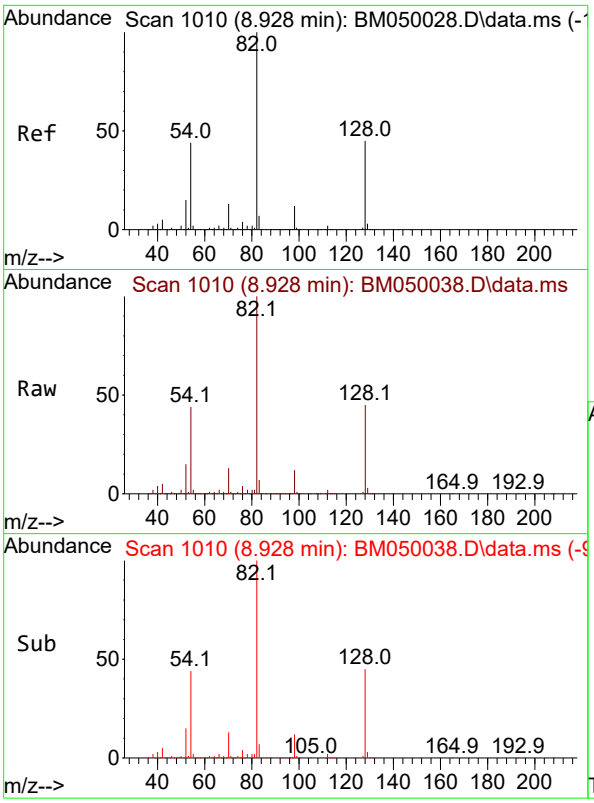


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Tgt Ion:136 Resp: 914618

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	6.6	5.1	7.7
68	5.4	4.4	6.6



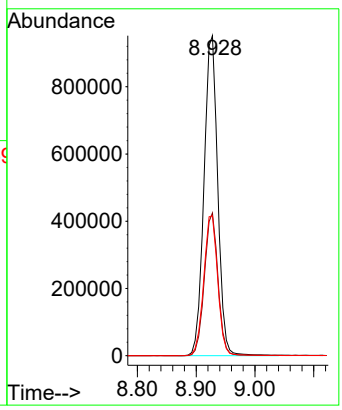


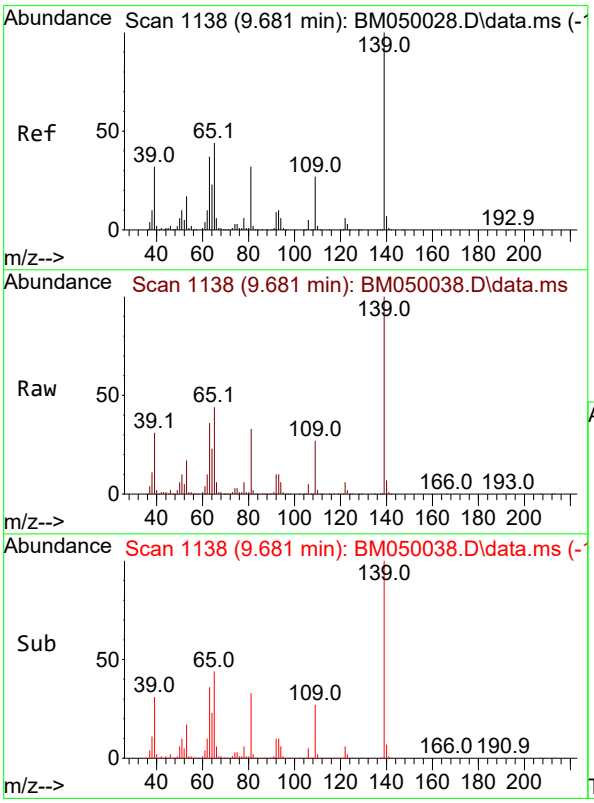
#23
Nitrobenzene-d5
Concen: 83.604 ng
RT: 8.928 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Instrument :
BNA_M
ClientSampleId :
38073-100124

Tgt Ion: 82 Resp: 1551763

Ion	Ratio	Lower	Upper
82	100		
128	44.6	35.7	53.5
54	43.7	35.4	53.2

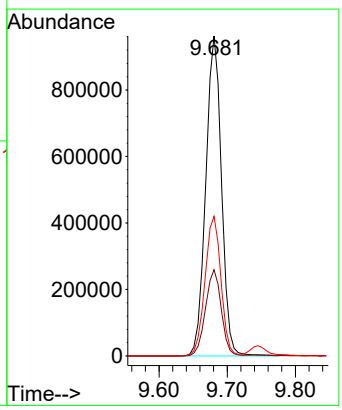


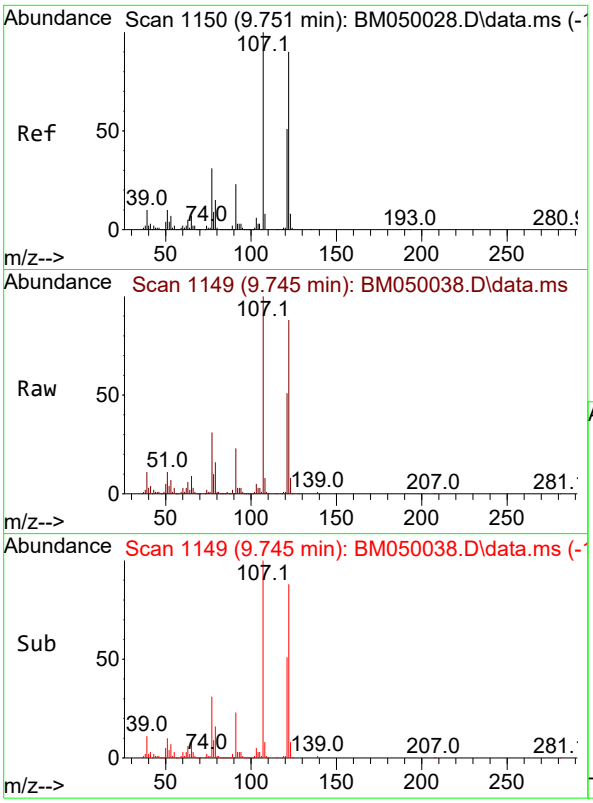


#26
2-Nitrophenol
Concen: 188.661 ng
RT: 9.681 min Scan# 1138
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Tgt Ion:139 Resp: 1546833

Ion	Ratio	Lower	Upper
139	100		
109	27.0	21.9	32.9
65	43.7	35.4	53.2



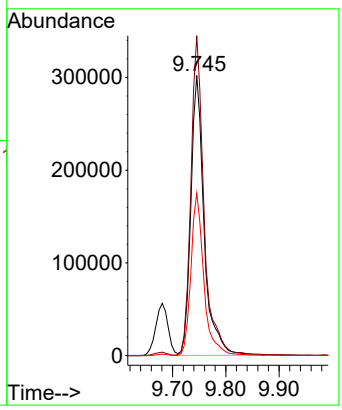


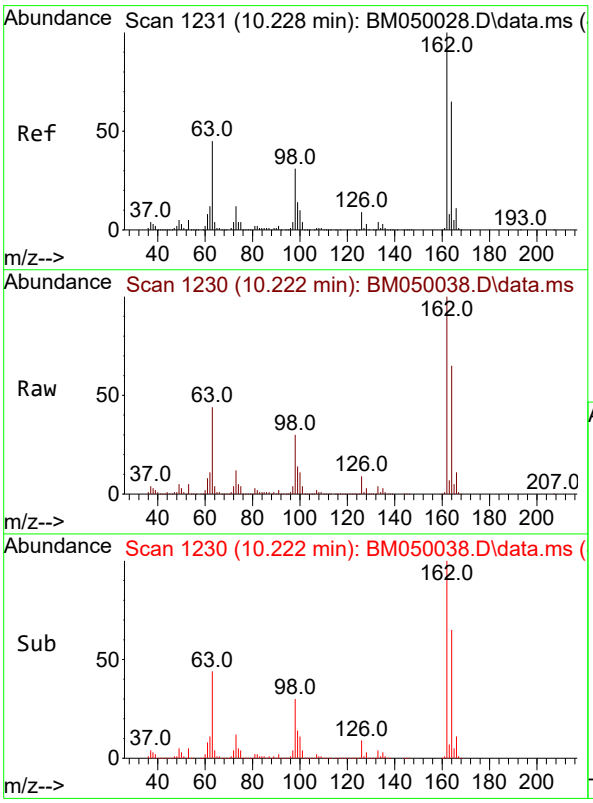
#27
2,4-Dimethylphenol
Concen: 38.592 ng
RT: 9.745 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Instrument :
BNA_M
ClientSampleId :
38073-100124

Tgt Ion:122 Resp: 524727

Ion	Ratio	Lower	Upper
122	100		
107	114.2	89.0	133.6
121	58.0	45.6	68.4

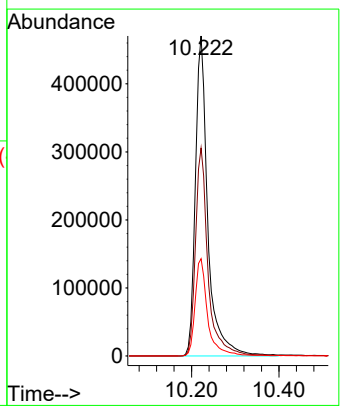


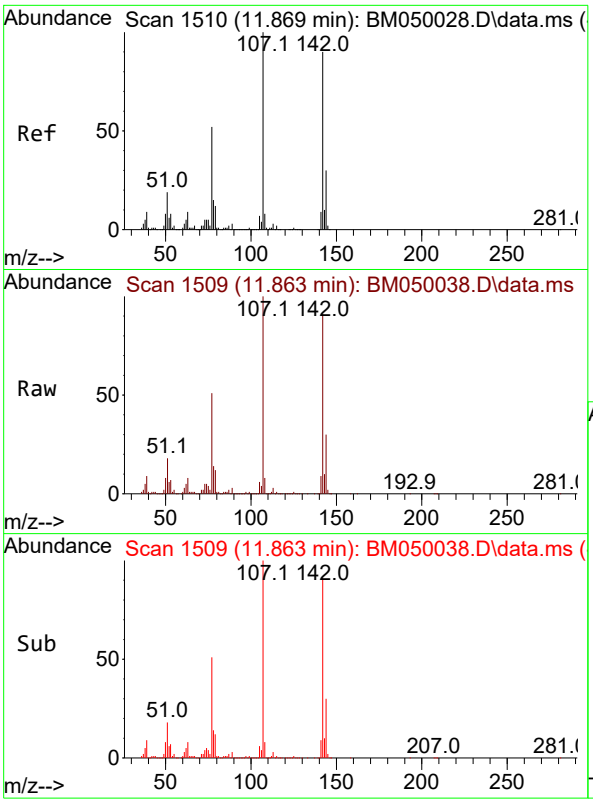


#29
2,4-Dichlorophenol
Concen: 61.308 ng
RT: 10.222 min Scan# 1230
Delta R.T. -0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Tgt Ion:162 Resp: 933870

Ion	Ratio	Lower	Upper
162	100		
164	65.0	45.4	85.4
98	30.4	11.3	51.3



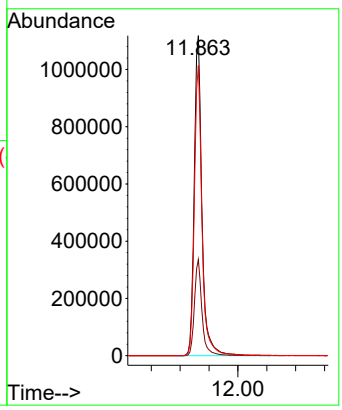


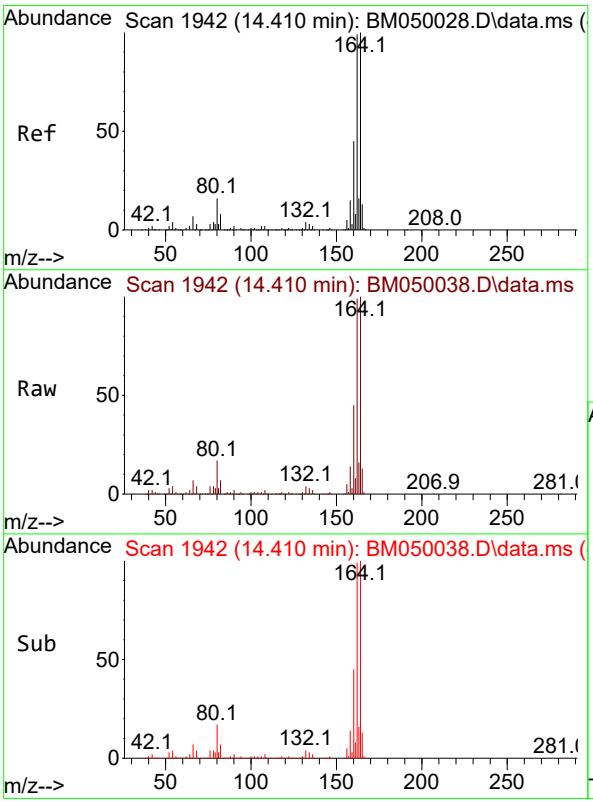
#36
4-Chloro-3-methylphenol
Concen: 147.310 ng
RT: 11.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Instrument :
BNA_M
ClientSampleId :
38073-100124

Tgt Ion:107 Resp: 2073107

Ion	Ratio	Lower	Upper
107	100		
144	30.1	23.8	35.6
142	90.7	71.9	107.9

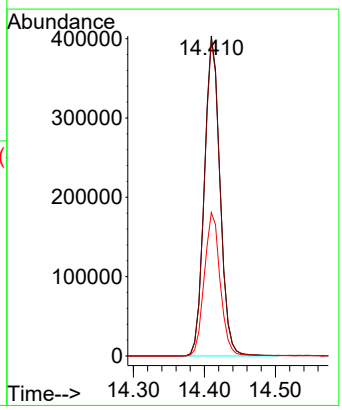


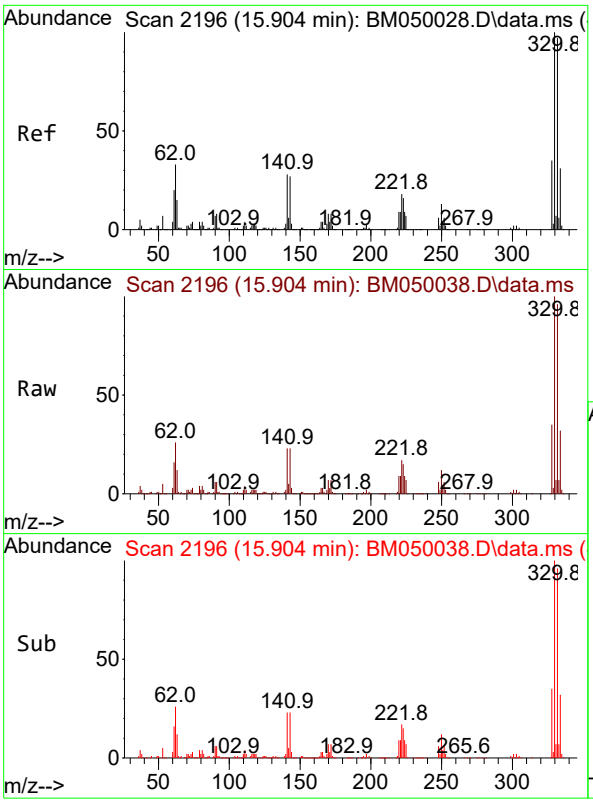


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Tgt Ion:164 Resp: 618114

Ion	Ratio	Lower	Upper
164	100		
162	98.8	79.4	119.0
160	44.8	36.2	54.4



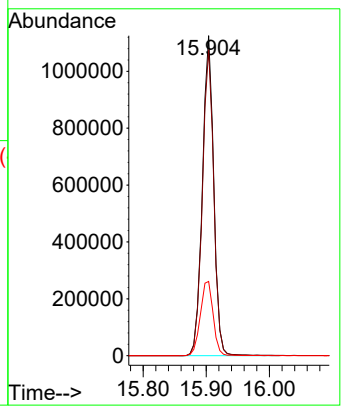


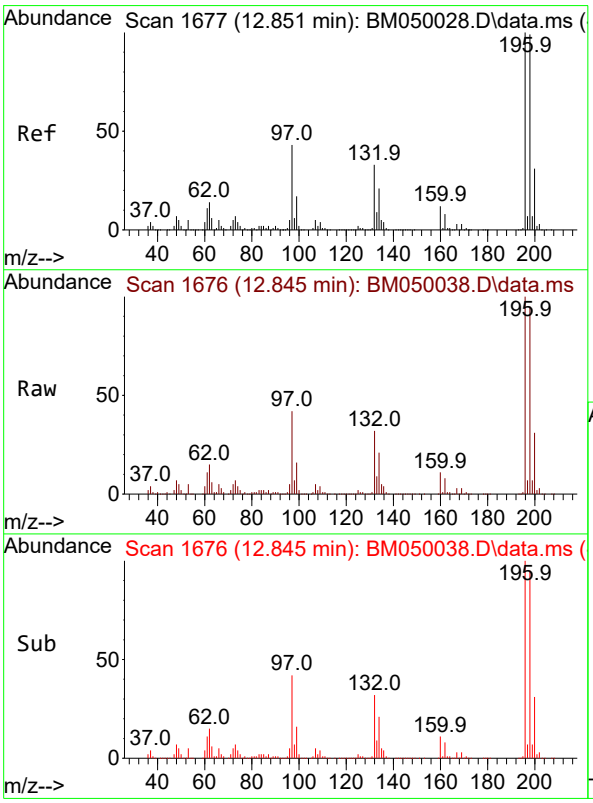
#42
2,4,6-Tribromophenol
Concen: 153.962 ng
RT: 15.904 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Instrument :
BNA_M
ClientSampleId :
38073-100124

Tgt Ion:330 Resp: 1407153

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.3	115.9
141	26.3	22.5	33.7

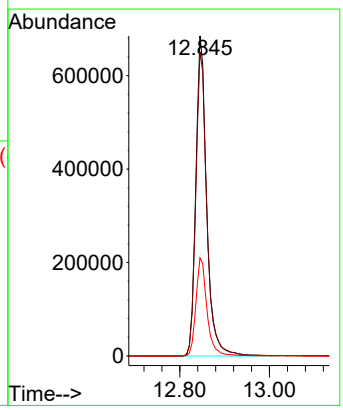


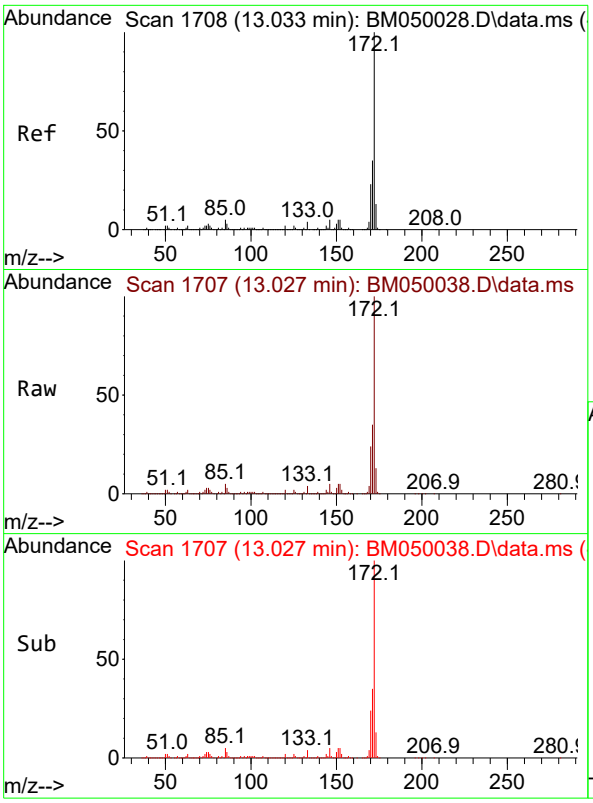


#43
2,4,6-Trichlorophenol
Concen: 84.878 ng
RT: 12.845 min Scan# 1676
Delta R.T. -0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Tgt Ion:196 Resp: 1151938

Ion	Ratio	Lower	Upper
196	100		
198	95.1	79.0	118.6
200	30.6	25.1	37.7



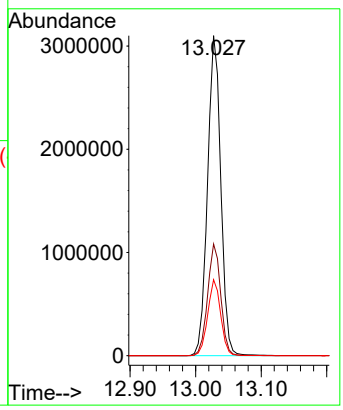


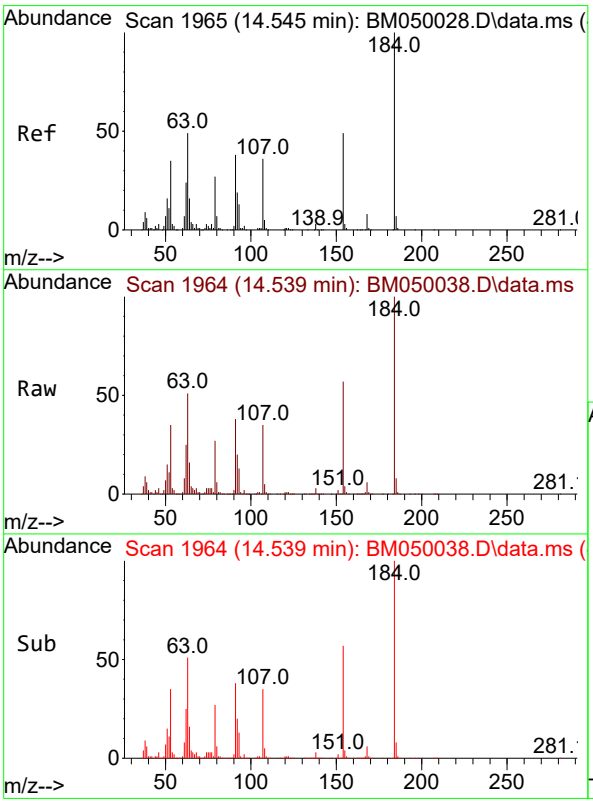
#45
2-Fluorobiphenyl
Concen: 83.509 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Instrument :
BNA_M
ClientSampleId :
38073-100124

Tgt Ion:172 Resp: 4363352

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.8	41.6
170	23.7	18.6	28.0

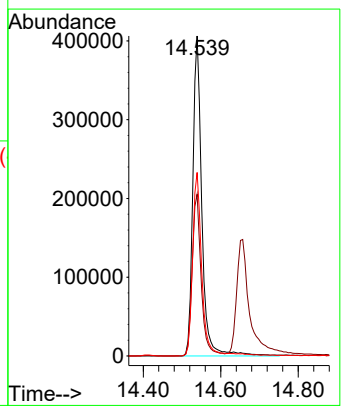


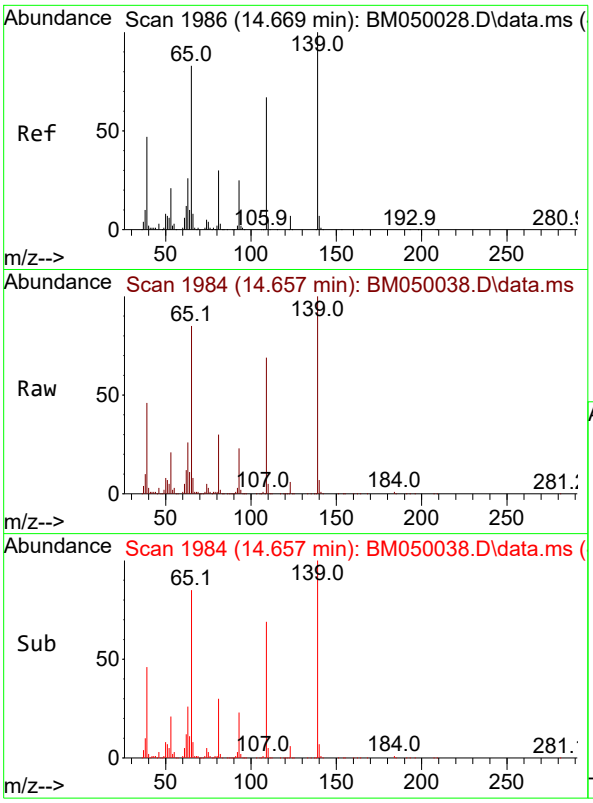


#54
2,4-Dinitrophenol
Concen: 107.856 ng
RT: 14.539 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Tgt Ion:184 Resp: 658465

Ion	Ratio	Lower	Upper
184	100		
63	50.5	39.8	59.6
154	57.4	46.1	69.1



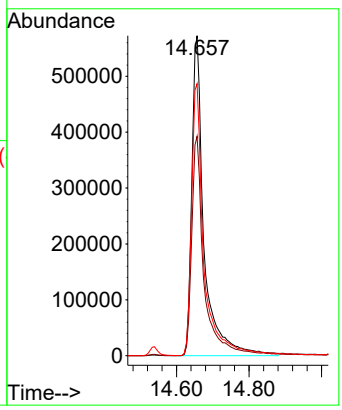


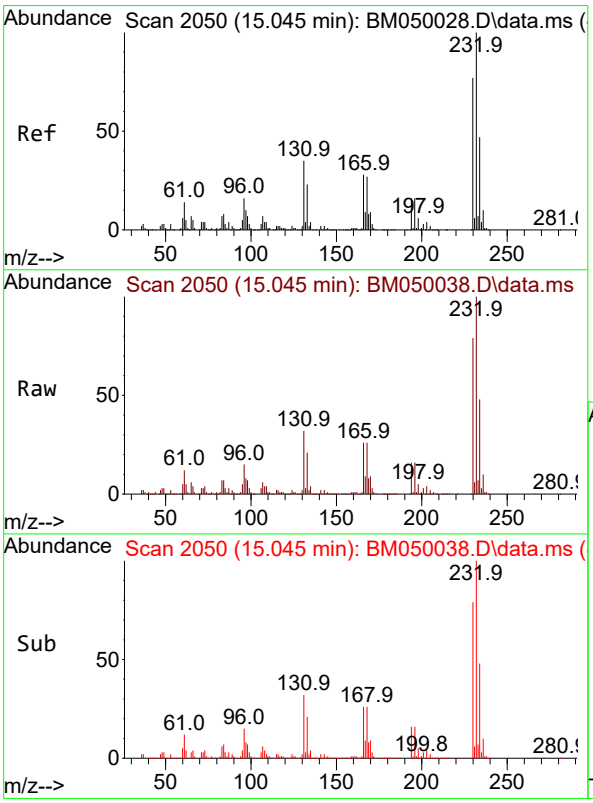
#56
4-Nitrophenol
Concen: 179.320 ng
RT: 14.657 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Instrument :
BNA_M
ClientSampleId :
38073-100124

Tgt Ion:139 Resp: 1345989

Ion	Ratio	Lower	Upper
139	100		
109	68.6	47.0	87.0
65	85.0	64.3	104.3

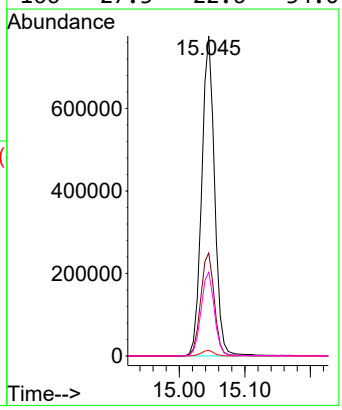


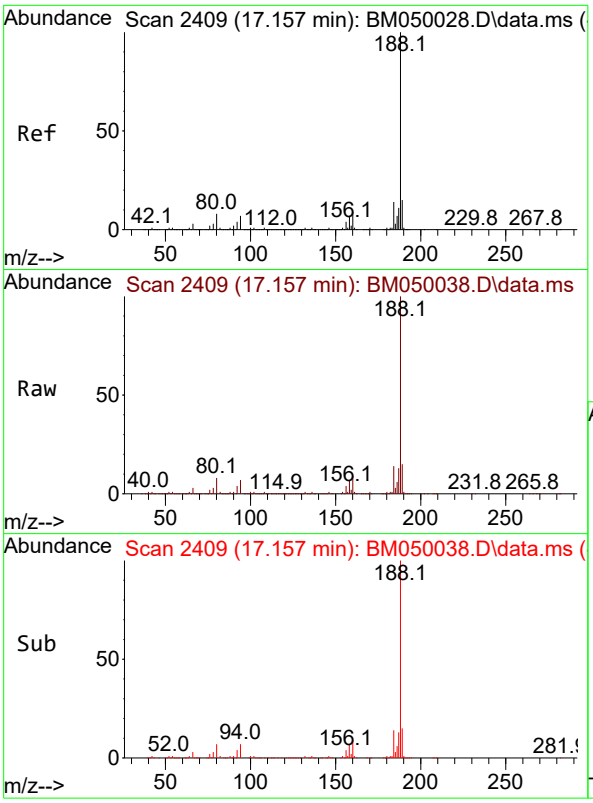


#59
2,3,4,6-Tetrachlorophenol
Concen: 83.970 ng
RT: 15.045 min Scan# 2050
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Tgt Ion:232 Resp: 1063736

Ion	Ratio	Lower	Upper
232	100		
131	34.1	28.2	42.4
130	1.7	1.5	2.3
166	27.3	22.6	34.0



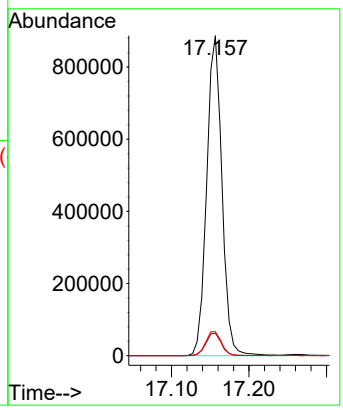


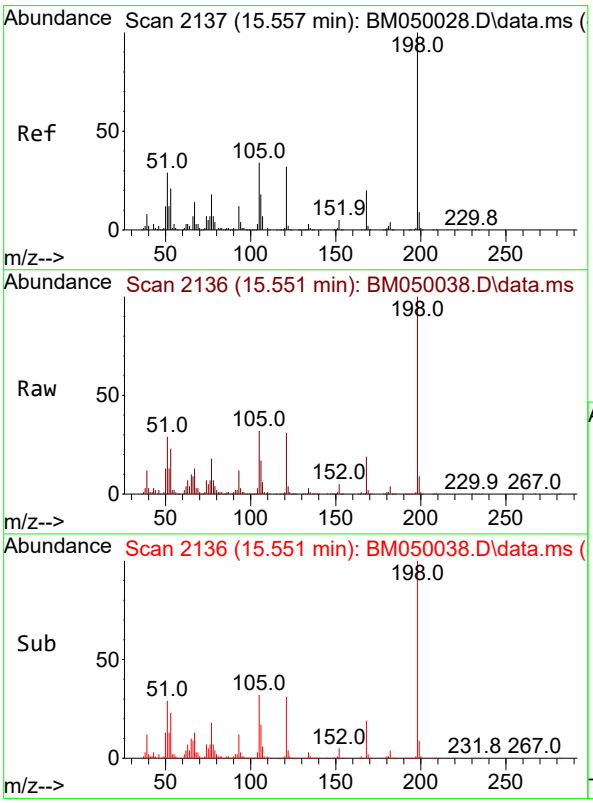
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Instrument :
BNA_M
ClientSampleId :
38073-100124

Tgt Ion:188 Resp: 1211511

Ion	Ratio	Lower	Upper
188	100		
94	7.0	5.7	8.5
80	7.5	6.2	9.4

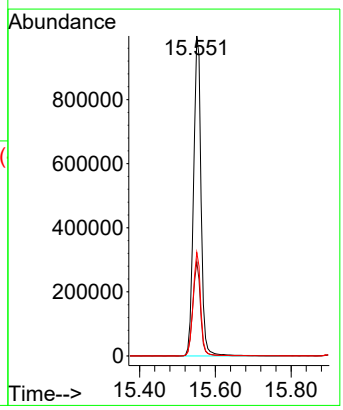


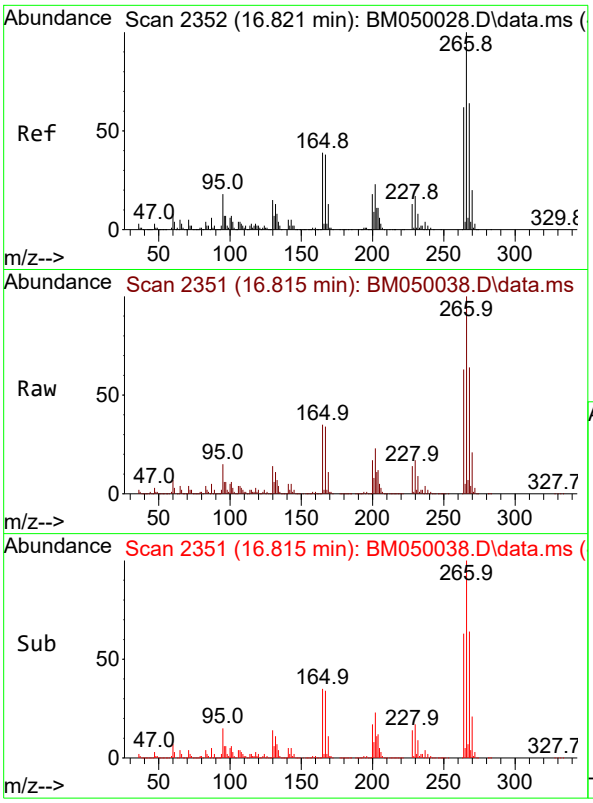


#65
4,6-Dinitro-2-methylphenol
Concen: 182.123 ng
RT: 15.551 min Scan# 2136
Delta R.T. -0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Tgt Ion:198 Resp: 1381151

Ion	Ratio	Lower	Upper
198	100		
51	29.4	10.4	50.4
105	32.4	14.6	54.6



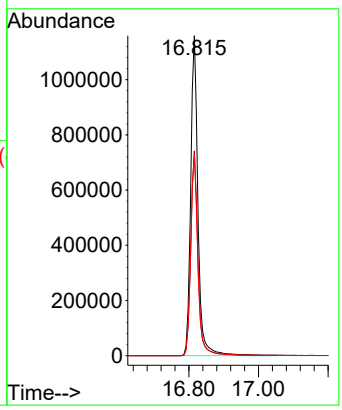


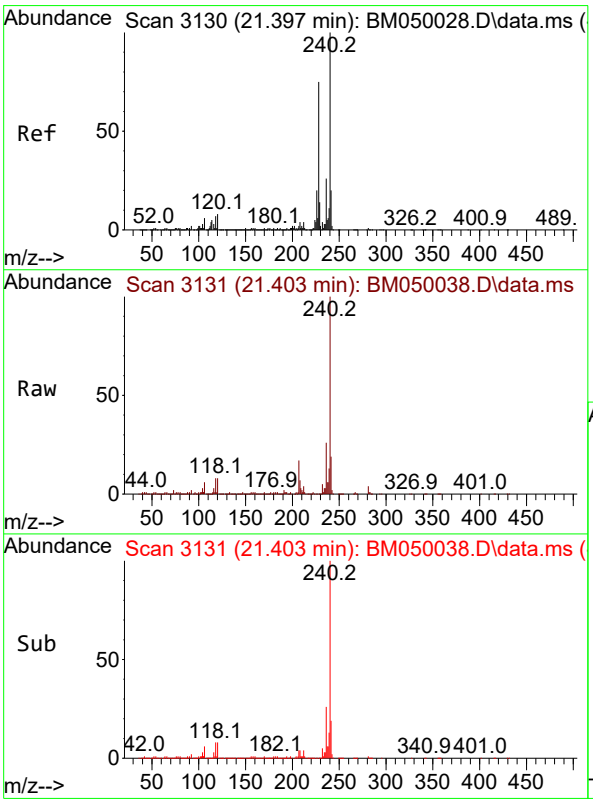
#70
Pentachlorophenol
Concen: 177.494 ng
RT: 16.815 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Instrument :
BNA_M
ClientSampleId :
38073-100124

Tgt Ion:266 Resp: 1687241

Ion	Ratio	Lower	Upper
266	100		
268	64.0	51.2	76.8
264	63.1	49.6	74.4

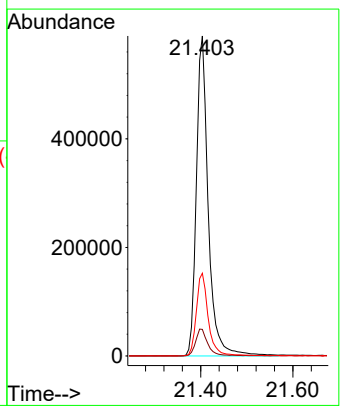


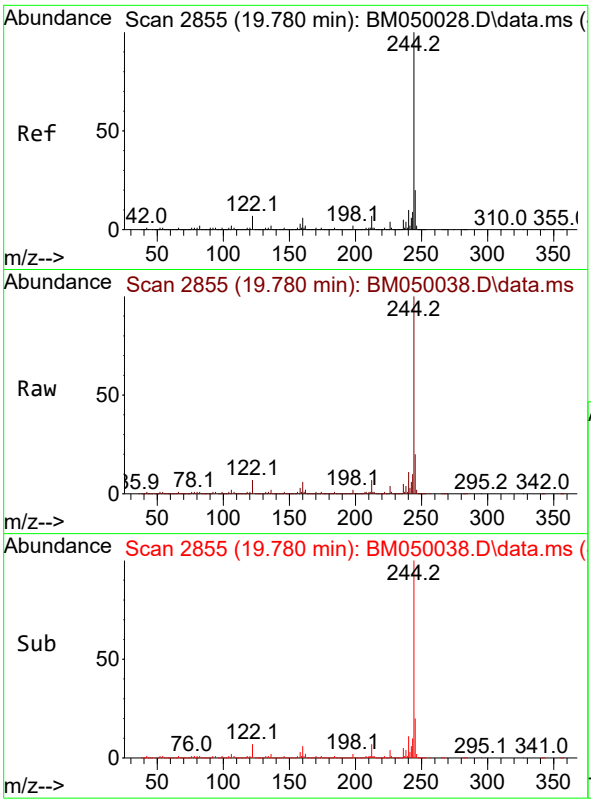


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. 0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Tgt Ion:240 Resp: 1057120

Ion	Ratio	Lower	Upper
240	100		
120	8.3	6.5	9.7
236	25.8	20.9	31.3



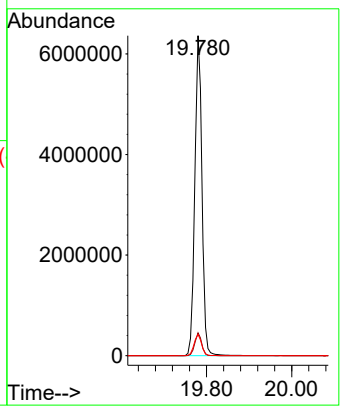


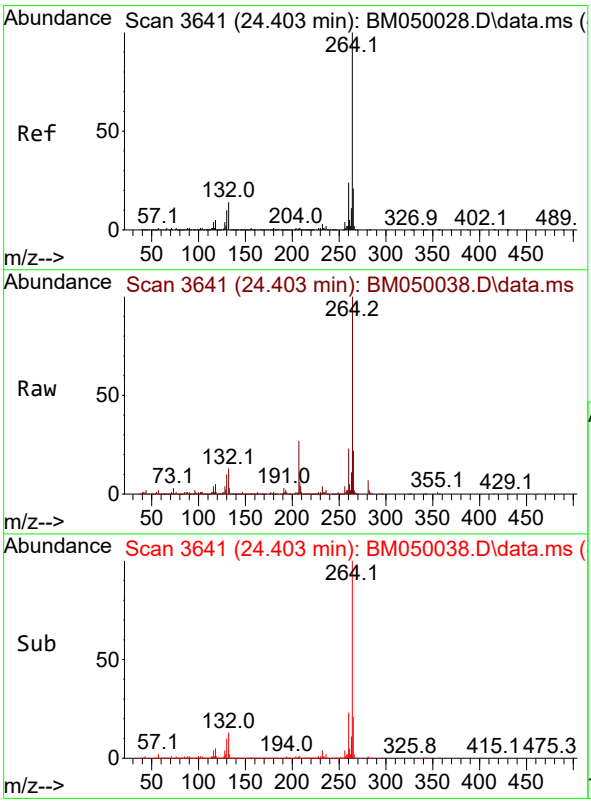
#79
Terphenyl-d14
Concen: 103.471 ng
RT: 19.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Instrument :
BNA_M
ClientSampleId :
38073-100124

Tgt Ion:244 Resp: 7391887

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	6.7	5.6	8.4

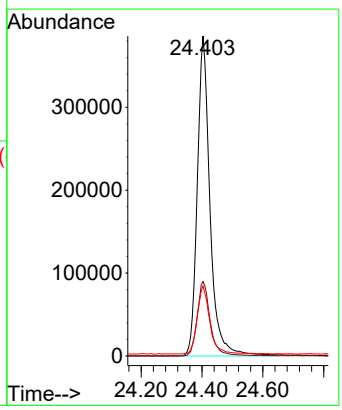




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Tgt Ion:264 Resp: 1117523

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.8	28.2
265	21.9	17.0	25.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042925\
Data File : BM050036.D
Acq On : 29 Apr 2025 09:52
Operator : RC/JU
Sample : PB167729BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167729BL

Quant Time: Apr 29 10:40:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

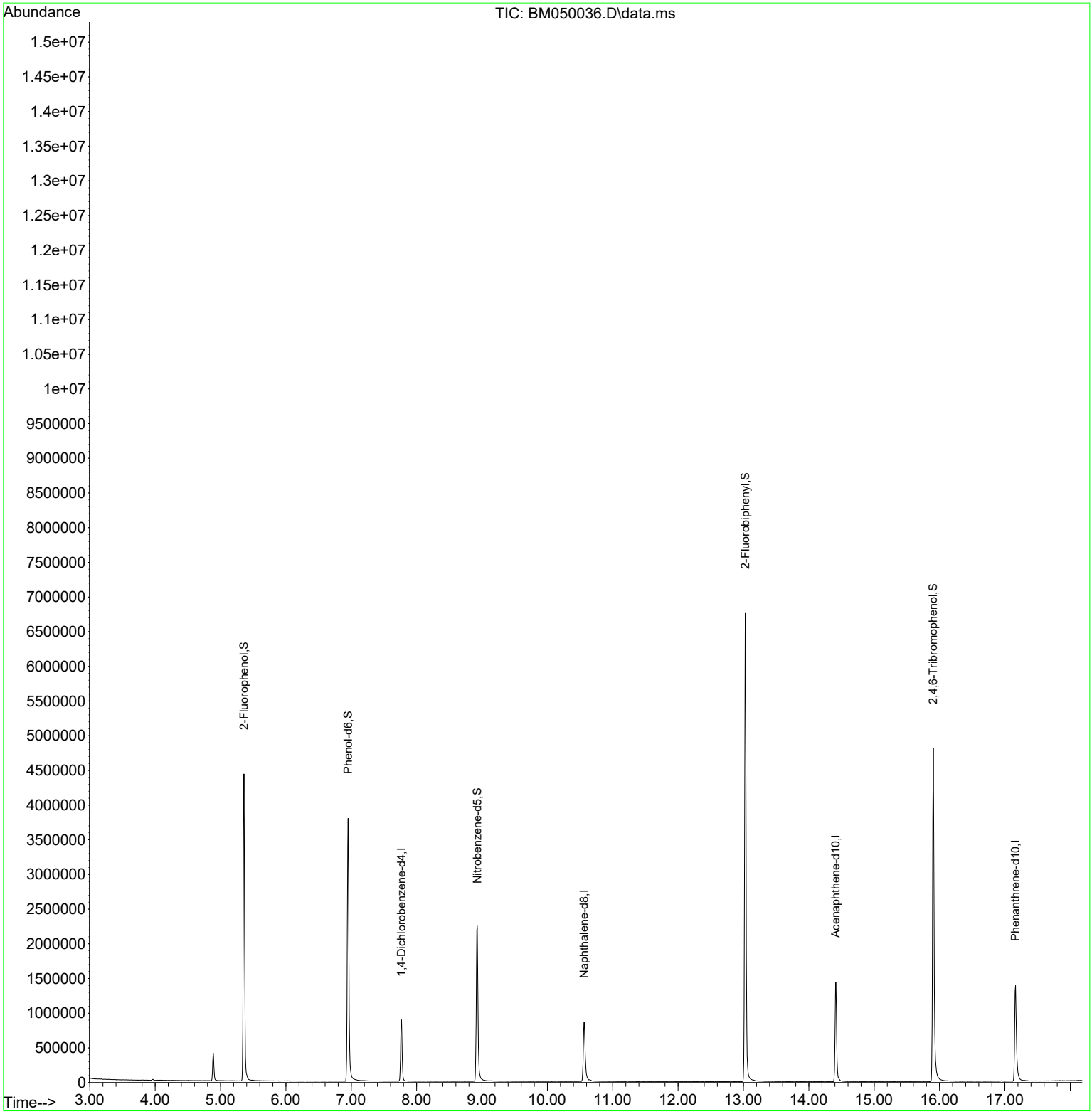
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	267473	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	926574	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	611197	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1171848	20.000	ng	0.00
76) Chrysene-d12	21.403	240	971539	20.000	ng	0.00
86) Perylene-d12	24.403	264	1012325	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	2048277	134.095	ng	0.00
7) Phenol-d6	6.951	99	2468999	128.604	ng	0.00
23) Nitrobenzene-d5	8.928	82	1461498	77.724	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1138683	125.997	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	4002903	77.477	ng	0.00
79) Terphenyl-d14	19.780	244	6115548	93.145	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042925\
Data File : BM050036.D
Acq On : 29 Apr 2025 09:52
Operator : RC/JU
Sample : PB167729BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167729BL

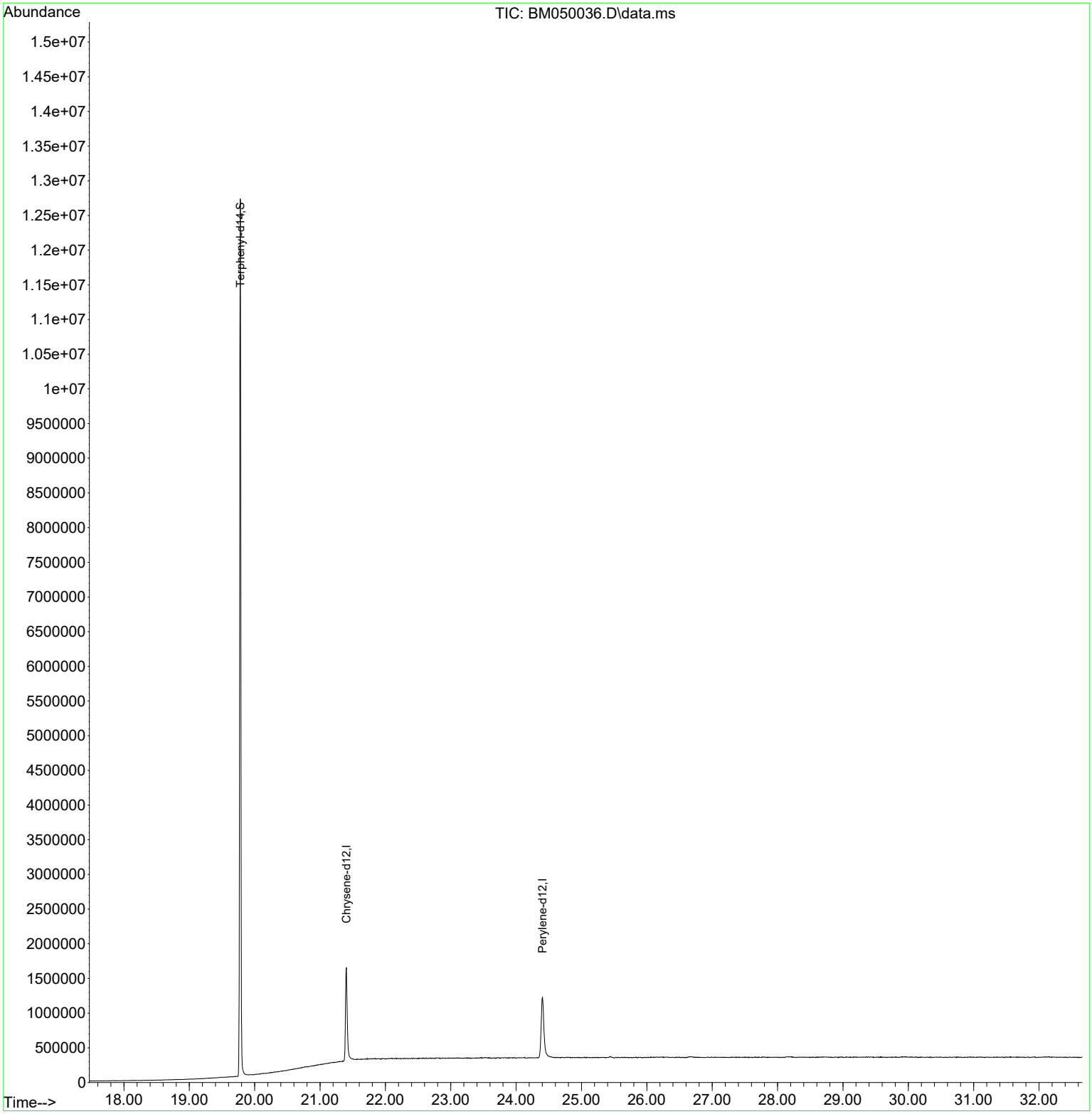
Quant Time: Apr 29 10:40:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

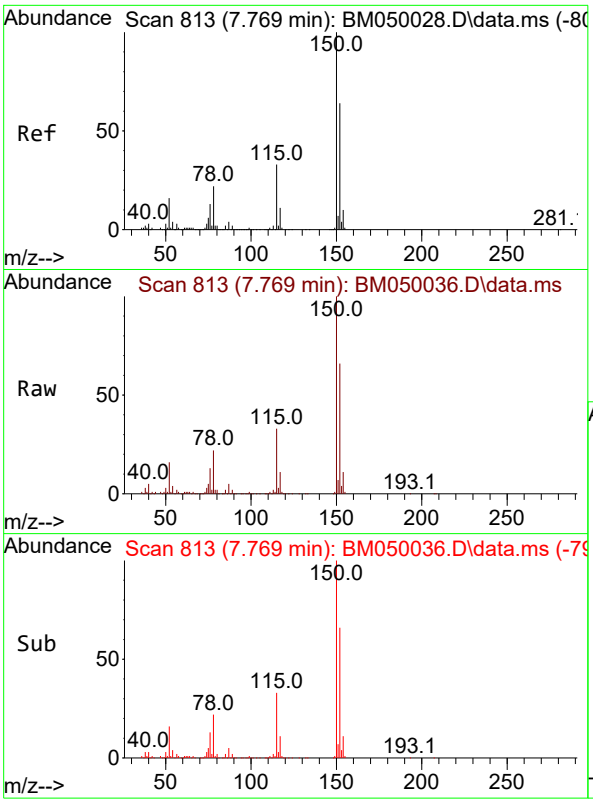


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042925\
Data File : BM050036.D
Acq On : 29 Apr 2025 09:52
Operator : RC/JU
Sample : PB167729BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167729BL

Quant Time: Apr 29 10:40:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



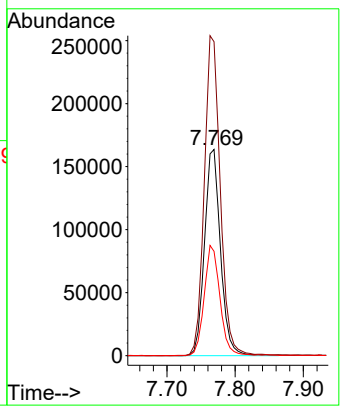


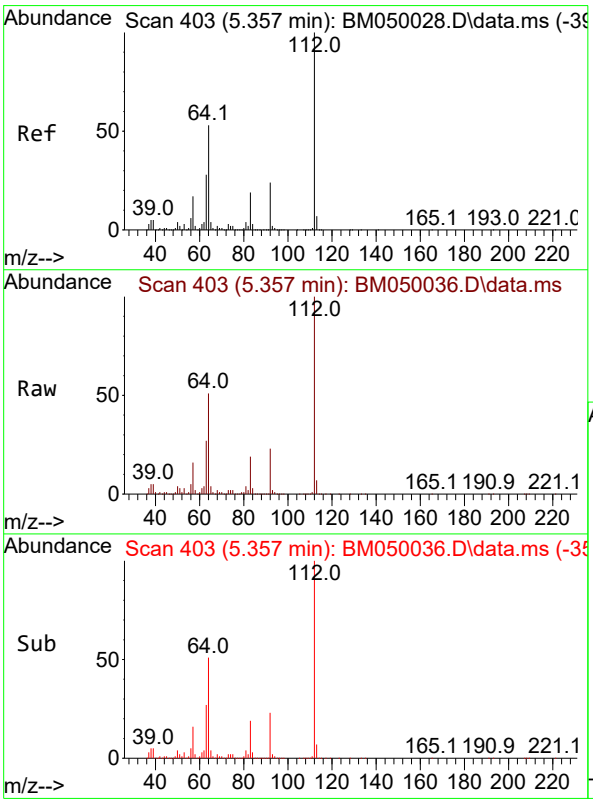
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050036.D
Acq: 29 Apr 2025 09:52

Instrument :
BNA_M
ClientSampleId :
PB167729BL

Tgt Ion:152 Resp: 267473

Ion	Ratio	Lower	Upper
152	100		
150	152.2	124.1	186.1
115	50.6	41.2	61.8

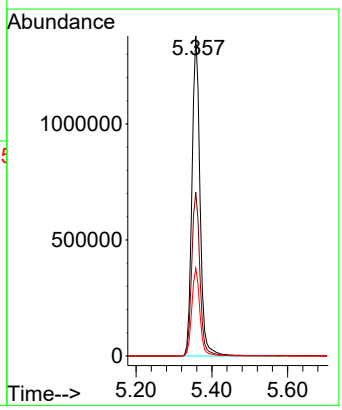




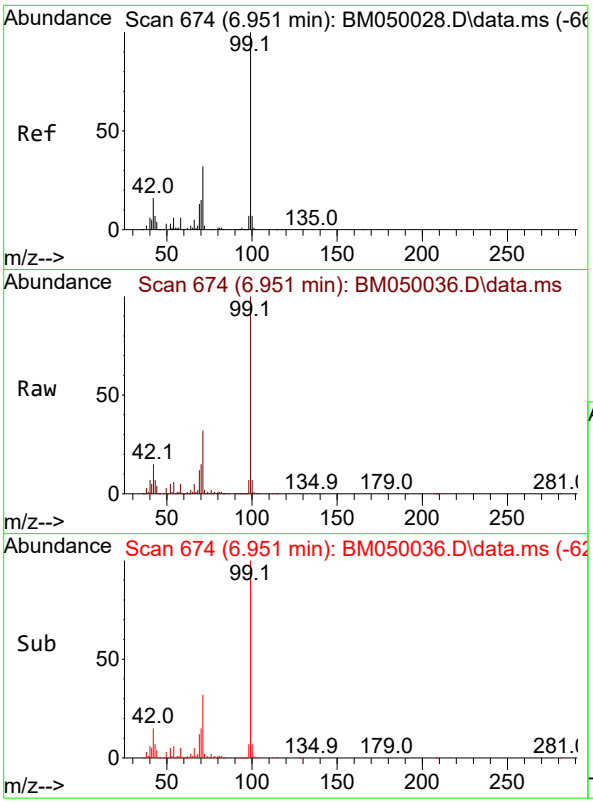
#5
2-Fluorophenol
Concen: 134.095 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.000 min
Lab File: BM050036.D
Acq: 29 Apr 2025 09:52

Tgt Ion:112 Resp: 2048277

Ion	Ratio	Lower	Upper
112	100		
64	51.1	42.6	64.0
63	27.4	22.2	33.4



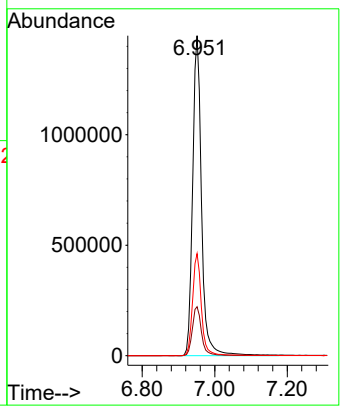
Instrument :
BNA_M
ClientSampleId :
PB167729BL

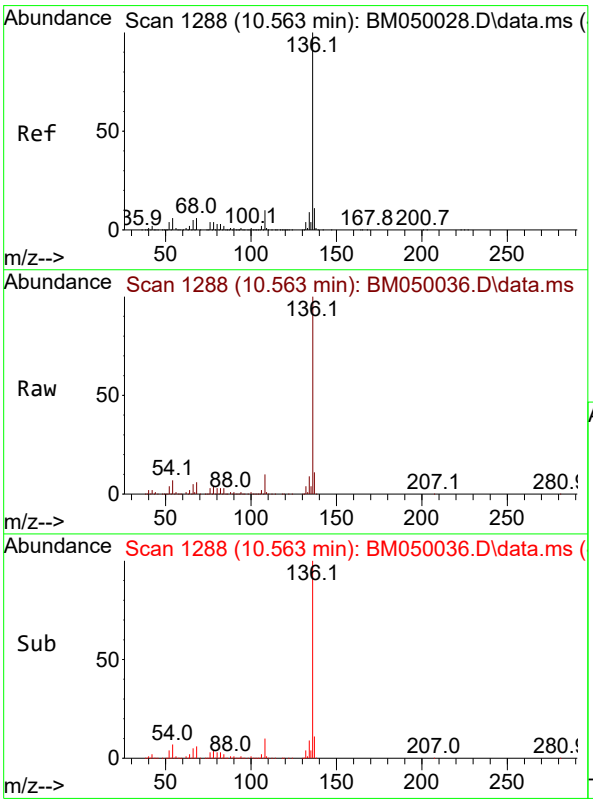


#7
Phenol-d6
Concen: 128.604 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM050036.D
Acq: 29 Apr 2025 09:52

Tgt Ion: 99 Resp: 2468999

Ion	Ratio	Lower	Upper
99	100		
42	15.3	13.0	19.4
71	31.9	25.6	38.4

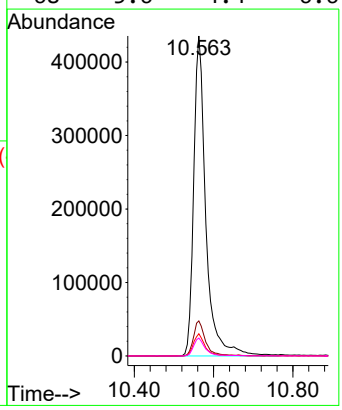


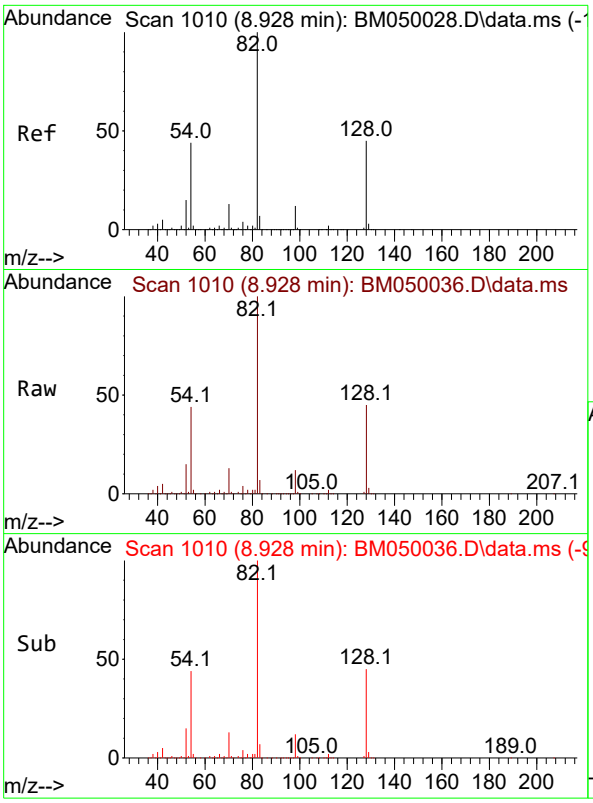


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BM050036.D
Acq: 29 Apr 2025 09:52

Tgt Ion:136 Resp: 926574

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.9	5.1	7.7
68	5.6	4.4	6.6



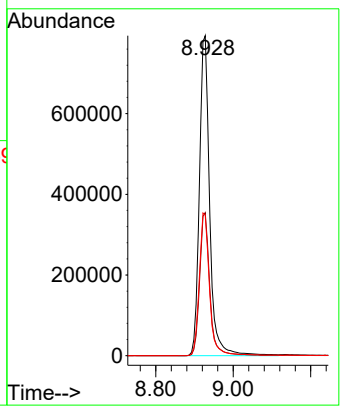


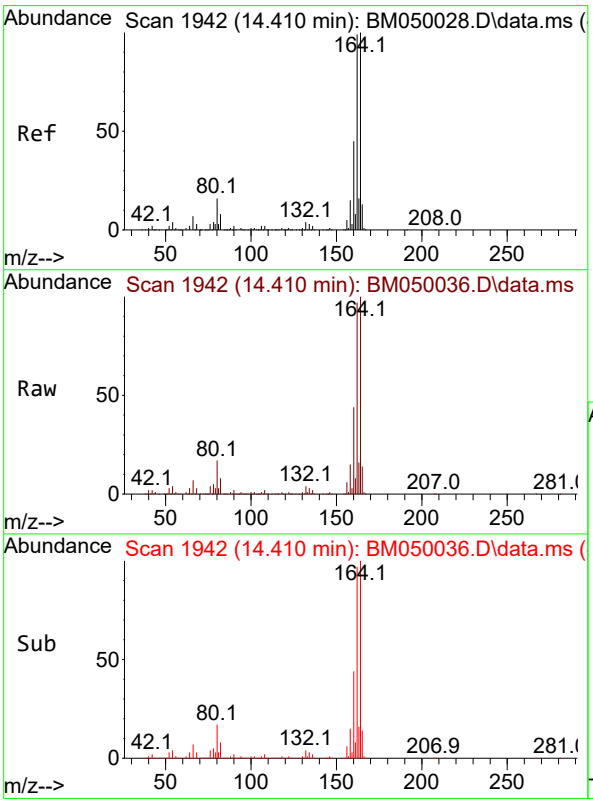
#23
Nitrobenzene-d5
Concen: 77.724 ng
RT: 8.928 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM050036.D
Acq: 29 Apr 2025 09:52

Instrument :
BNA_M
ClientSampleId :
PB167729BL

Tgt Ion: 82 Resp: 1461498

Ion	Ratio	Lower	Upper
82	100		
128	44.7	35.7	53.5
54	43.9	35.4	53.2

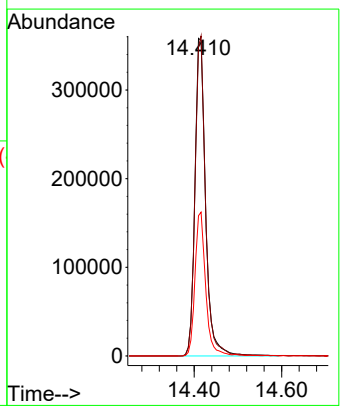


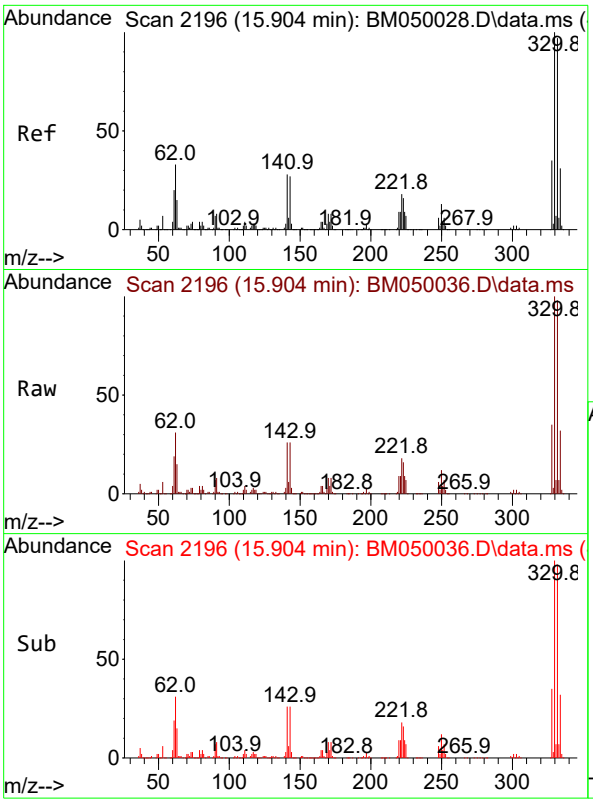


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.000 min
Lab File: BM050036.D
Acq: 29 Apr 2025 09:52

Tgt Ion:164 Resp: 611197

Ion	Ratio	Lower	Upper
164	100		
162	97.2	79.4	119.0
160	44.2	36.2	54.4



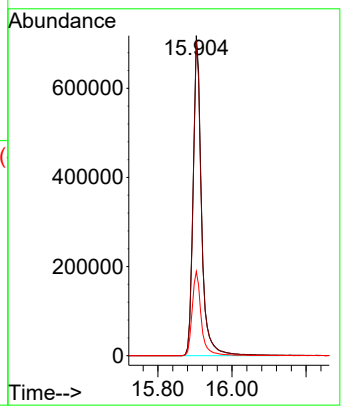


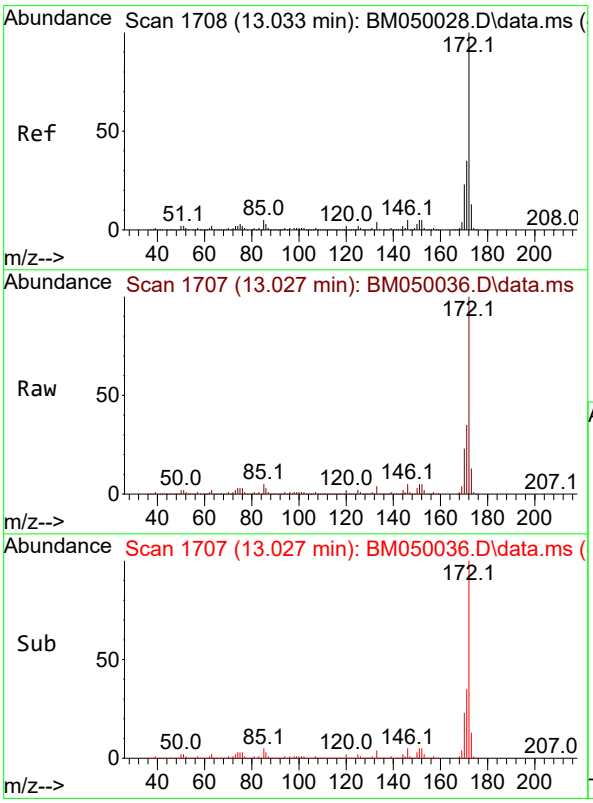
#42
2,4,6-Tribromophenol
Concen: 125.997 ng
RT: 15.904 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050036.D
Acq: 29 Apr 2025 09:52

Instrument :
BNA_M
ClientSampleId :
PB167729BL

Tgt Ion:330 Resp: 1138683

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.3	115.9
141	28.3	22.5	33.7

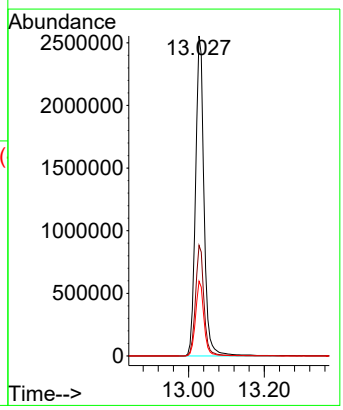




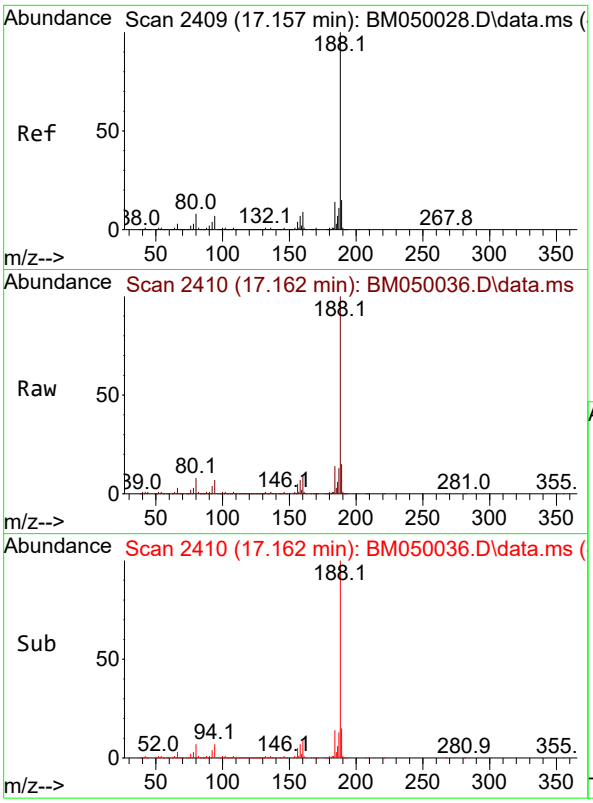
#45
2-Fluorobiphenyl
Concen: 77.477 ng
RT: 13.027 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM050036.D
Acq: 29 Apr 2025 09:52

Tgt Ion:172 Resp: 4002903

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.8	41.6
170	23.4	18.6	28.0



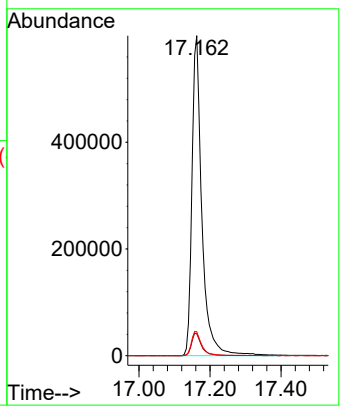
Instrument :
BNA_M
ClientSampleId :
PB167729BL

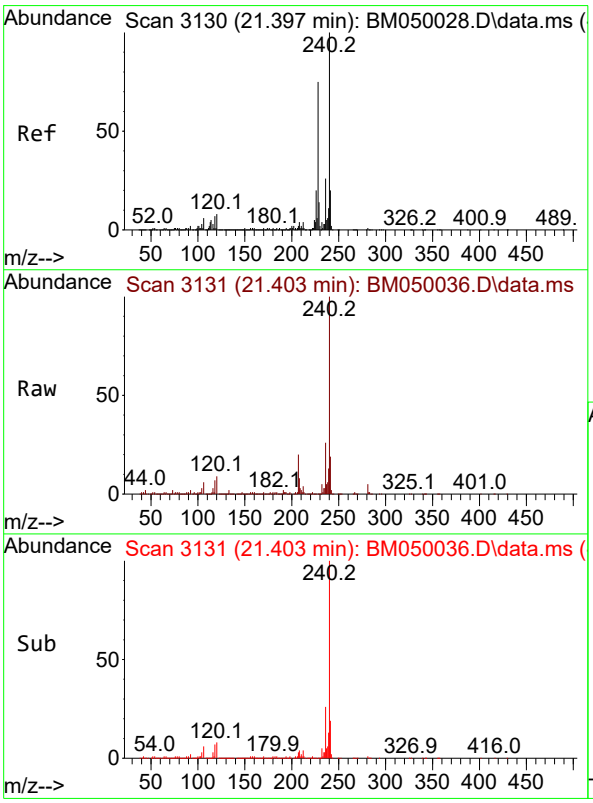


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 24
Delta R.T. 0.005 min
Lab File: BM050036.D
Acq: 29 Apr 2025 09:52

Tgt Ion:188 Resp: 1171848

Ion	Ratio	Lower	Upper
188	100		
94	6.8	5.7	8.5
80	7.5	6.2	9.4

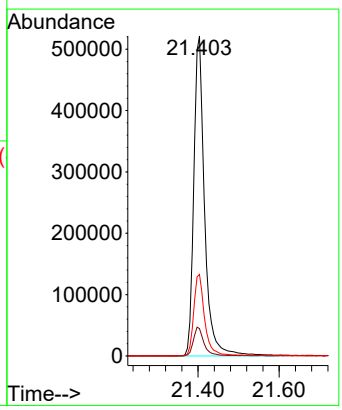


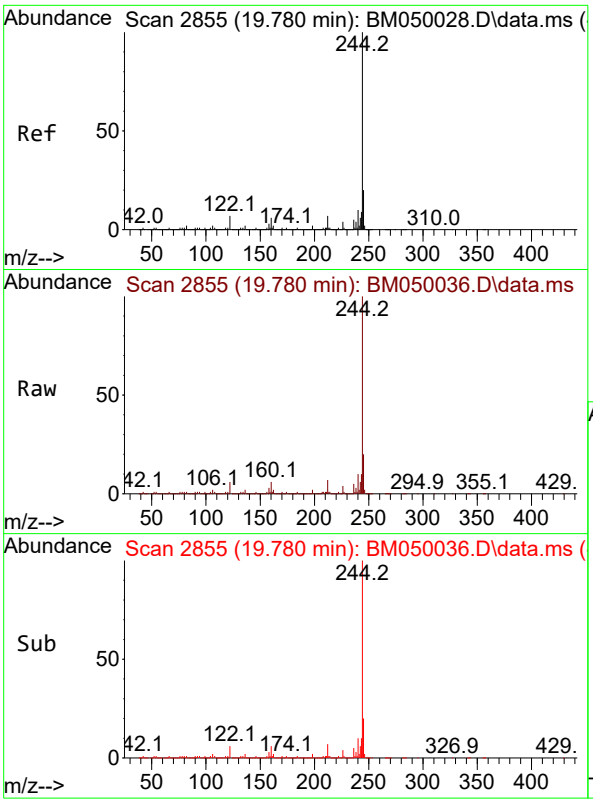


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. 0.006 min
Lab File: BM050036.D
Acq: 29 Apr 2025 09:52

Tgt Ion:240 Resp: 971539

Ion	Ratio	Lower	Upper
240	100		
120	8.5	6.5	9.7
236	25.5	20.9	31.3



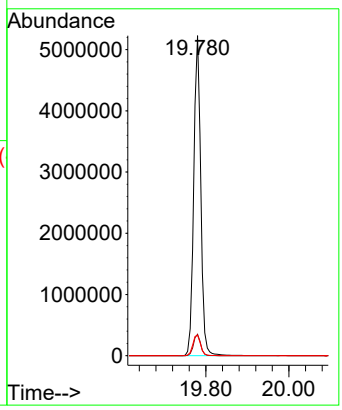


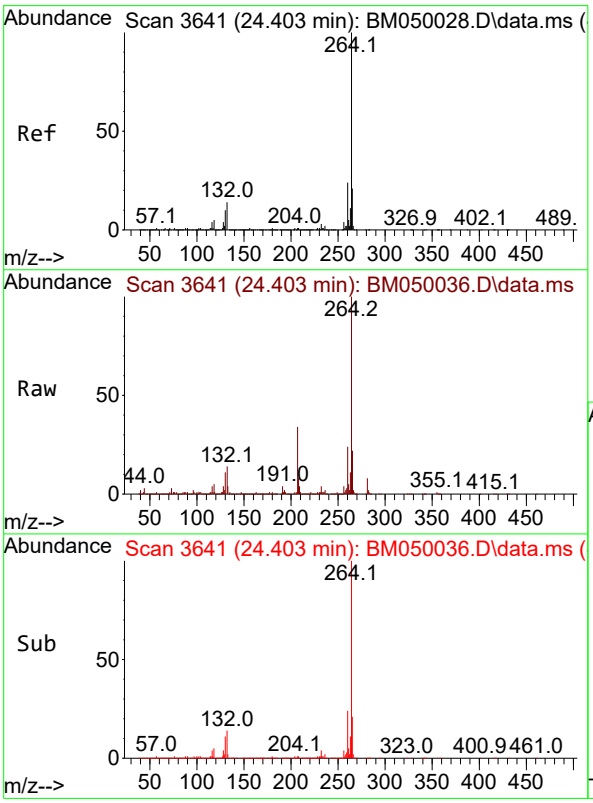
#79
Terphenyl-d14
Concen: 93.145 ng
RT: 19.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050036.D
Acq: 29 Apr 2025 09:52

Instrument :
BNA_M
ClientSampleId :
PB167729BL

Tgt Ion:244 Resp: 6115548

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	6.4	5.6	8.4

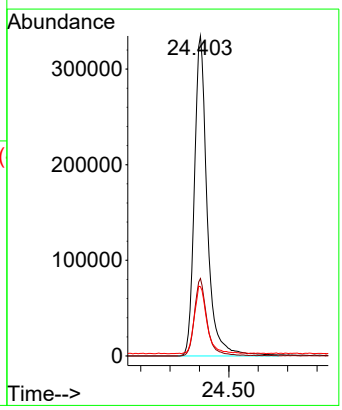




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. -0.000 min
Lab File: BM050036.D
Acq: 29 Apr 2025 09:52

Tgt Ion:264 Resp: 1012325

Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.8	28.2
265	21.7	17.0	25.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042925\
Data File : BM050040.D
Acq On : 29 Apr 2025 12:58
Operator : RC/JU
Sample : PB167729BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167729BS

Quant Time: Apr 29 13:33:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.763	152	269893	20.000	ng		0.00
21) Naphthalene-d8	10.557	136	961152	20.000	ng		0.00
39) Acenaphthene-d10	14.410	164	608153	20.000	ng		0.00
64) Phenanthrene-d10	17.156	188	1141685	20.000	ng		0.00
76) Chrysene-d12	21.397	240	1074284	20.000	ng		0.00
86) Perylene-d12	24.397	264	1054033	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.357	112	2054378	133.289	ng		0.00
7) Phenol-d6	6.951	99	2536788	130.950	ng		0.00
23) Nitrobenzene-d5	8.928	82	1466426	75.181	ng		0.00
42) 2,4,6-Tribromophenol	15.904	330	1195862	132.987	ng		0.00
45) 2-Fluorobiphenyl	13.027	172	3957723	76.986	ng		0.00
79) Terphenyl-d14	19.780	244	6028843	83.043	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.251	88	222621	33.686	ng		99
3) Pyridine	3.651	79	622472	36.660	ng		97
4) n-Nitrosodimethylamine	3.563	42	268473	40.314	ng		99
6) Aniline	7.098	93	587160	24.003	ng		99
8) 2-Chlorophenol	7.339	128	712440	42.751	ng		99
9) Benzaldehyde	6.910	77	325538	25.111	ng		100
10) Phenol	6.975	94	873613	44.547	ng		99
11) bis(2-Chloroethyl)ether	7.192	93	664141	40.556	ng		100
12) 1,3-Dichlorobenzene	7.657	146	799721	39.727	ng		99
13) 1,4-Dichlorobenzene	7.798	146	809360	40.021	ng		99
14) 1,2-Dichlorobenzene	8.116	146	781982	40.029	ng		99
15) Benzyl Alcohol	8.010	79	568432	42.311	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.286	45	805029	40.442	ng		99
17) 2-Methylphenol	8.222	107	557394	43.144	ng		99
18) Hexachloroethane	8.839	117	286959	39.916	ng		97
19) n-Nitroso-di-n-propyla...	8.575	70	498325	40.108	ng		100
20) 3+4-Methylphenols	8.551	107	746935	42.812	ng		96
22) Acetophenone	8.586	105	980431	41.029	ng	#	98
24) Nitrobenzene	8.969	77	707532	41.951	ng		98
25) Isophorone	9.492	82	1319623	39.689	ng		98
26) 2-Nitrophenol	9.680	139	367607	42.665	ng		99
27) 2,4-Dimethylphenol	9.745	122	621972	43.529	ng		98
28) bis(2-Chloroethoxy)met...	9.969	93	846555	41.194	ng		100
29) 2,4-Dichlorophenol	10.227	162	709498	44.323	ng		100
30) 1,2,4-Trichlorobenzene	10.422	180	792629	40.642	ng		100
31) Naphthalene	10.610	128	1999582	41.080	ng		99
32) Benzoic acid	9.916	122	386427	42.285	ng		99
33) 4-Chloroaniline	10.733	127	268271	13.446	ng		98
34) Hexachlorobutadiene	10.892	225	502242	40.569	ng		100
35) Caprolactam	11.521	113	182413	39.083	ng		92
36) 4-Chloro-3-methylphenol	11.869	107	624003	42.193	ng		100
37) 2-Methylnaphthalene	12.221	142	1320802	40.473	ng		99
38) 1-Methylnaphthalene	12.445	142	1387555	40.177	ng		99
40) 1,2,4,5-Tetrachloroben...	12.598	216	916829	43.549	ng		99
41) Hexachlorocyclopentadiene	12.574	237	1281695	99.621	ng		100
43) 2,4,6-Trichlorophenol	12.845	196	598998	44.859	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042925\
Data File : BM050040.D
Acq On : 29 Apr 2025 12:58
Operator : RC/JU
Sample : PB167729BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167729BS

Quant Time: Apr 29 13:33:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

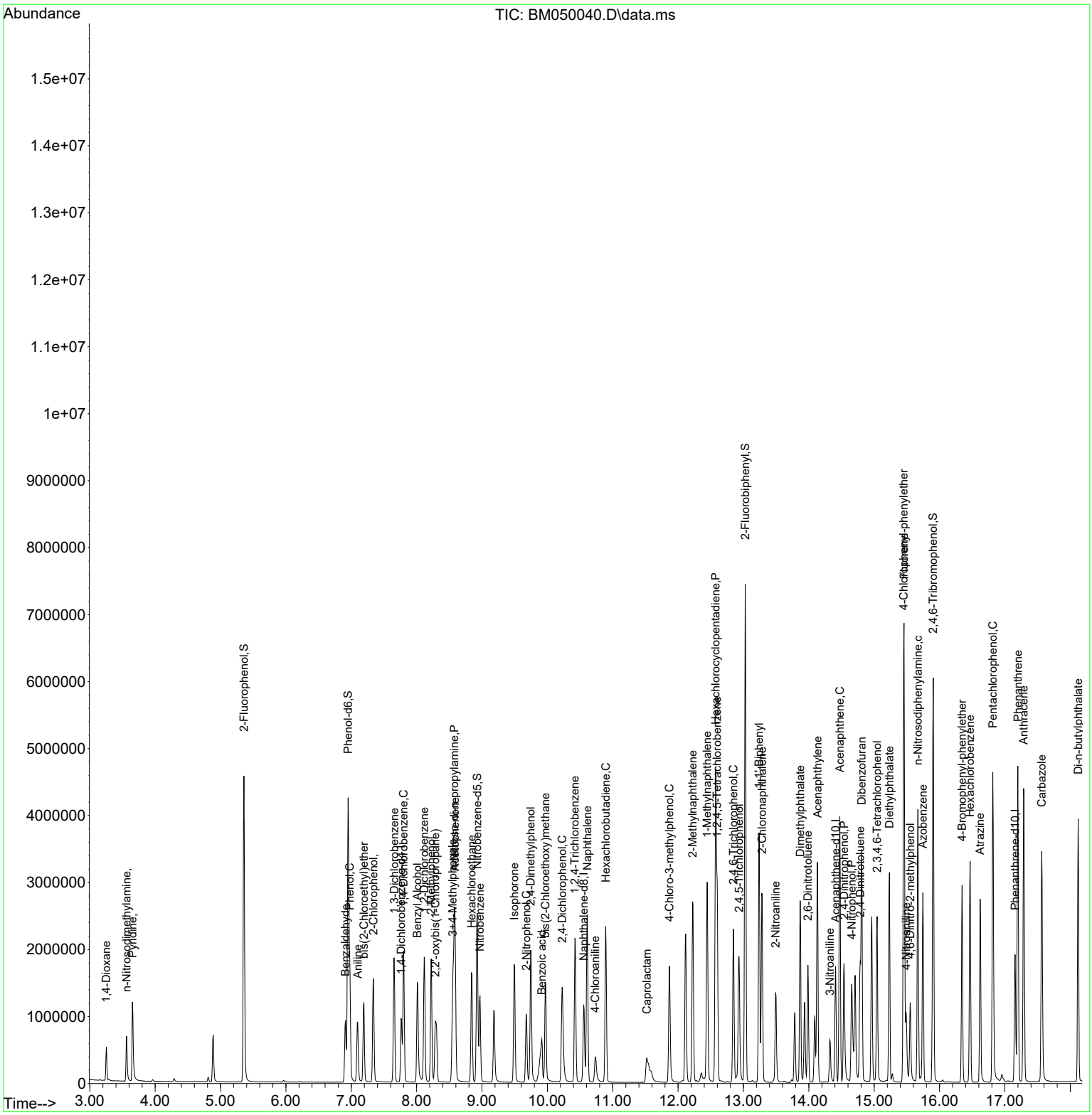
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	639370	44.403	ng	100
46) 1,1'-Biphenyl	13.239	154	1938887	42.889	ng	99
47) 2-Chloronaphthalene	13.286	162	1526561	42.637	ng	99
48) 2-Nitroaniline	13.492	65	365838	43.535	ng	96
49) Acenaphthylene	14.133	152	2392982	42.390	ng	100
50) Dimethylphthalate	13.868	163	1850111	41.627	ng	100
51) 2,6-Dinitrotoluene	13.986	165	395898	43.023	ng	96
52) Acenaphthene	14.474	154	1386169	42.421	ng	100
53) 3-Nitroaniline	14.321	138	188101	21.411	ng	100
54) 2,4-Dinitrophenol	14.539	184	500295	84.598	ng	98
55) Dibenzofuran	14.810	168	2269999	41.754	ng	100
56) 4-Nitrophenol	14.657	139	606531	84.586	ng	98
57) 2,4-Dinitrotoluene	14.786	165	548846	43.164	ng	98
58) Fluorene	15.457	166	1912078	42.968	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.045	232	536088	43.011	ng	99
60) Diethylphthalate	15.233	149	1717203	41.004	ng	100
61) 4-Chlorophenyl-phenyle...	15.451	204	1058040	43.287	ng	99
62) 4-Nitroaniline	15.492	138	346266	40.852	ng	100
63) Azobenzene	15.745	77	1488108	42.399	ng	99
65) 4,6-Dinitro-2-methylph...	15.551	198	319286	44.677	ng	97
66) n-Nitrosodiphenylamine	15.668	169	1567999	44.726	ng	100
67) 4-Bromophenyl-phenylether	16.345	248	604278	43.769	ng	98
68) Hexachlorobenzene	16.468	284	697068	43.801	ng	97
69) Atrazine	16.621	200	544460	43.054	ng	99
70) Pentachlorophenol	16.815	266	902632	100.762	ng	98
71) Phenanthrene	17.198	178	2807497	43.600	ng	99
72) Anthracene	17.286	178	2880577	44.205	ng	99
73) Carbazole	17.562	167	2435722	43.075	ng	100
74) Di-n-butylphthalate	18.121	149	2832214	42.058	ng	100
75) Fluoranthene	19.215	202	3226174	42.674	ng	100
77) Benzidine	19.409	184	1094565	28.684	ng	100
78) Pyrene	19.580	202	3318333	43.987	ng	100
80) Butylbenzylphthalate	20.474	149	1200717	42.496	ng	94
81) Benzo(a)anthracene	21.380	228	3270859	44.214	ng	99
82) 3,3'-Dichlorobenzidine	21.303	252	582534	20.570	ng	99
83) Chrysene	21.444	228	2987144	43.628	ng	100
84) Bis(2-ethylhexyl)phtha...	21.297	149	1812796	42.954	ng	99
85) Di-n-octyl phthalate	22.427	149	2993996	43.017	ng	100
87) Indeno(1,2,3-cd)pyrene	27.791	276	3671724	46.751	ng	100
88) Benzo(b)fluoranthene	23.450	252	3051800	44.521	ng	99
89) Benzo(k)fluoranthene	23.515	252	3072007	44.305	ng	100
90) Benzo(a)pyrene	24.256	252	2860922	44.562	ng	99
91) Dibenzo(a,h)anthracene	27.832	278	3013923	47.076	ng	99
92) Benzo(g,h,i)perylene	28.844	276	2852758	46.543	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042925\
Data File : BM050040.D
Acq On : 29 Apr 2025 12:58
Operator : RC/JU
Sample : PB167729BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167729BS

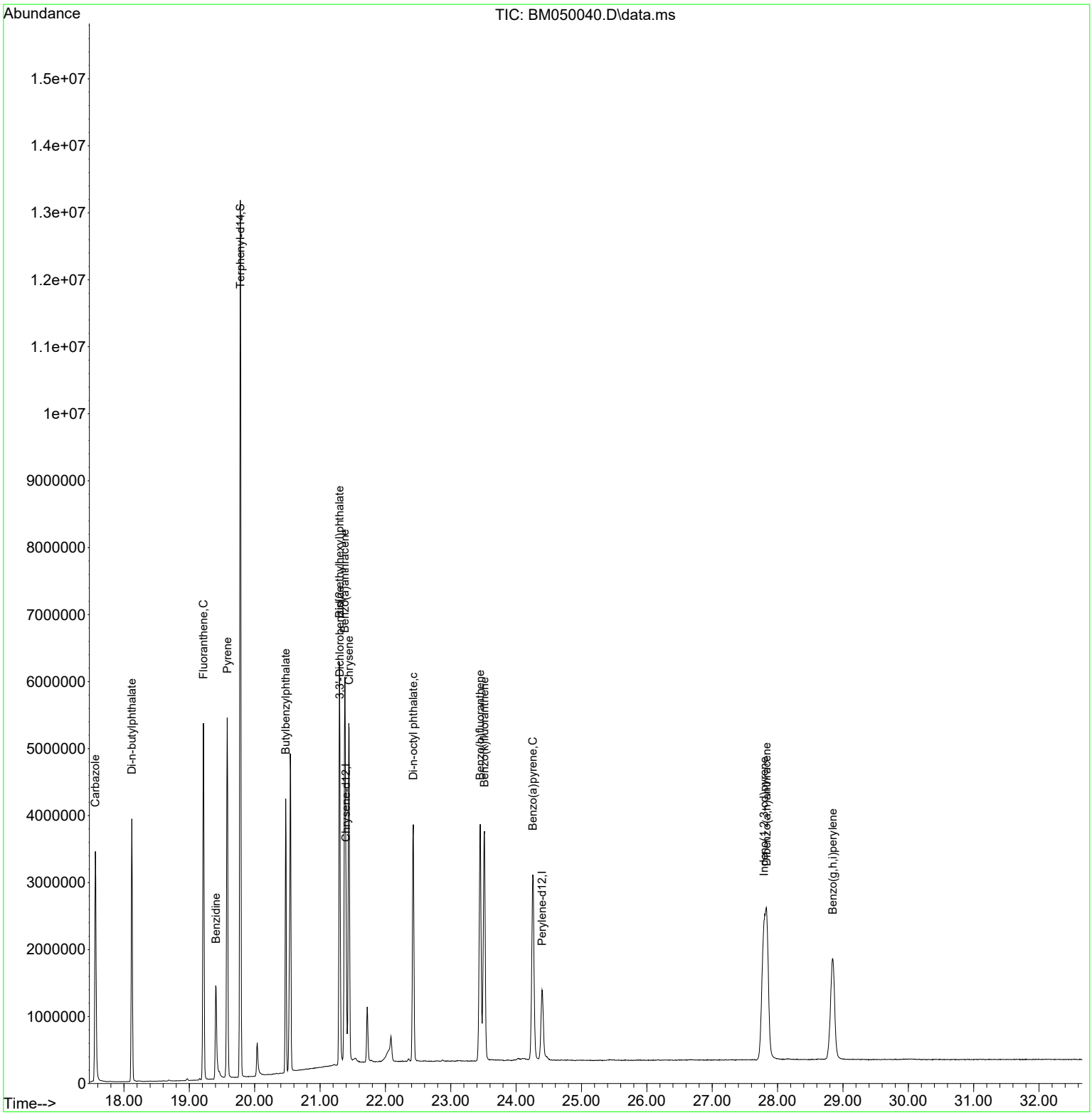
Quant Time: Apr 29 13:33:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042925\
Data File : BM050040.D
Acq On : 29 Apr 2025 12:58
Operator : RC/JU
Sample : PB167729BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167729BS

Quant Time: Apr 29 13:33:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



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

Manual Integration Report

Sequence:	BM042825	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BM050025.D	4-Nitroaniline	Rahul	4/29/2025 8:55:04 AM	Jagrut	4/29/2025 11:57:10 AM	Peak Integrated by Software
SSTDICC005	BM050025.D	Benzaldehyde	Rahul	4/29/2025 8:55:04 AM	Jagrut	4/29/2025 11:57:10 AM	Peak Integrated by Software
SSTDICC005	BM050025.D	Benzo(k)fluoranthene	Rahul	4/29/2025 8:55:04 AM	Jagrut	4/29/2025 11:57:10 AM	Peak Integrated by Software
SSTDICC005	BM050025.D	Caprolactam	Rahul	4/29/2025 8:55:04 AM	Jagrut	4/29/2025 11:57:10 AM	Peak Integrated by Software
SSTDICC010	BM050026.D	4-Nitroaniline	Rahul	4/29/2025 8:55:07 AM	Jagrut	4/29/2025 11:57:13 AM	Peak Integrated by Software
SSTDICC010	BM050026.D	Benzaldehyde	Rahul	4/29/2025 8:55:07 AM	Jagrut	4/29/2025 11:57:13 AM	Peak Integrated by Software
SSTDICC010	BM050026.D	Benzoic acid	Rahul	4/29/2025 8:55:07 AM	Jagrut	4/29/2025 11:57:13 AM	Peak Integrated by Software
SSTDICC020	BM050027.D	Benzoic acid	Rahul	4/29/2025 8:55:10 AM	Jagrut	4/29/2025 11:57:15 AM	Peak Integrated by Software
SSTDICV040	BM050032.D	Benzaldehyde	Rahul	4/29/2025 8:55:13 AM	Jagrut	4/29/2025 11:57:18 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BM042925	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM042825

Review By	Rahul	Review On	4/29/2025 8:56:26 AM		
Supervise By	Jagrut	Supervise On	4/29/2025 11:57:30 AM		
SubDirectory	BM042825	HP Acquire Method	BNA_M	HP Processing Method	BM042825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12661,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM050023.D	28 Apr 2025 11:46	RC/JU	Ok
2	SSTDICC2.5	BM050024.D	28 Apr 2025 12:30	RC/JU	Ok
3	SSTDICC005	BM050025.D	28 Apr 2025 13:09	RC/JU	Ok,M
4	SSTDICC010	BM050026.D	28 Apr 2025 13:48	RC/JU	Ok,M
5	SSTDICC020	BM050027.D	28 Apr 2025 14:27	RC/JU	Ok,M
6	SSTDICCC040	BM050028.D	28 Apr 2025 15:06	RC/JU	Ok
7	SSTDICC050	BM050029.D	28 Apr 2025 15:45	RC/JU	Ok
8	SSTDICC060	BM050030.D	28 Apr 2025 16:24	RC/JU	Ok
9	SSTDICC080	BM050031.D	28 Apr 2025 17:04	RC/JU	Ok
10	SSTDICV040	BM050032.D	28 Apr 2025 17:43	RC/JU	Ok,M
11	PB167739BL	BM050033.D	28 Apr 2025 19:40	RC/JU	Not Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM042925

Review By	Rahul	Review On	4/30/2025 11:38:15 AM		
Supervise By	Jagrut	Supervise On	4/30/2025 12:40:09 PM		
SubDirectory	BM042925	HP Acquire Method	BNA_M	HP Processing Method	BM042825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12661,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM050034.D	29 Apr 2025 08:34	RC/JU	Ok
2	SSTDCCC040	BM050035.D	29 Apr 2025 09:13	RC/JU	Ok
3	PB167729BL	BM050036.D	29 Apr 2025 09:52	RC/JU	Ok
4	Q1502-06DL	BM050037.D	29 Apr 2025 11:00	RC/JU	Ok
5	Q1870-03	BM050038.D	29 Apr 2025 11:39	RC/JU	Ok
6	Q1870-03DL	BM050039.D	29 Apr 2025 12:19	RC/JU	Not Ok
7	PB167729BS	BM050040.D	29 Apr 2025 12:58	RC/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM042825

Review By	Rahul	Review On	4/29/2025 8:56:26 AM		
Supervise By	Jagrut	Supervise On	4/29/2025 11:57:30 AM		
SubDirectory	BM042825	HP Acquire Method	BNA_M	HP Processing Method	BM042825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12661,10ul/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	BM050023.D	28 Apr 2025 11:46		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BM050024.D	28 Apr 2025 12:30		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BM050025.D	28 Apr 2025 13:09	Compound#32-41-54-56-65-70-77 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BM050026.D	28 Apr 2025 13:48		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BM050027.D	28 Apr 2025 14:27		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BM050028.D	28 Apr 2025 15:06	Compound#54 & 56 Kept on LR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BM050029.D	28 Apr 2025 15:45		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BM050030.D	28 Apr 2025 16:24		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BM050031.D	28 Apr 2025 17:04		RC/JU	Ok
10	SSTDICV040	ICVBM042825	BM050032.D	28 Apr 2025 17:43		RC/JU	Ok,M
11	PB167739BL	PB167739BL	BM050033.D	28 Apr 2025 19:40	Analyzed for contamination check	RC/JU	Not Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM042925

Review By	Rahul	Review On	4/30/2025 11:38:15 AM		
Supervise By	Jagrut	Supervise On	4/30/2025 12:40:09 PM		
SubDirectory	BM042925	HP Acquire Method	BNA_M	HP Processing Method	BM042825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12661,10ul/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	BM050034.D	29 Apr 2025 08:34		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM050035.D	29 Apr 2025 09:13		RC/JU	Ok
3	PB167729BL	PB167729BL	BM050036.D	29 Apr 2025 09:52		RC/JU	Ok
4	Q1502-06DL	PT-ACIDS-WPDL	BM050037.D	29 Apr 2025 11:00		RC/JU	Ok
5	Q1870-03	38073-100124	BM050038.D	29 Apr 2025 11:39	PT Sample	RC/JU	Ok
6	Q1870-03DL	38073-100124DL	BM050039.D	29 Apr 2025 12:19	Not Required (As 2,4-Dimethylphenol only is to be reported)	RC/JU	Not Ok
7	PB167729BS	PB167729BS	BM050040.D	29 Apr 2025 12:58		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167729

SOP ID:	M3510C,3580A-Extraction SVOC-20				
Clean Up SOP #:	N/A			**Extraction Start Date :**	04/24/2025
Matrix :	Water			**Extraction Start Time :**	12:05
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	04/24/2025
Balance check:	N/A	**Filter By:**	RJ	**Extraction End Time :**	17:00
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3880	**Hood ID:**	4,6,7	**Supervisor By :**	RUPESH

Extraction Method: [√] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	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	EP2604
10N NaoH	N/A	EP2559
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

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210443. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
4/24/25	RS (EX-lab)	JH / SVOC
17:05	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167729

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 04/24/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167729BL	SBLK729	SVOCMS Group2	1000	6	RUPESH	ritesh	1			SEP-4
PB167729BS	SLCS729	SVOCMS Group2	1000	6	RUPESH	ritesh	1			5
Q1870-03	38073-100124	SVOCMS Group2	1000	6	RUPESH	ritesh	1			6

RS 4/24

* **Extracts relinquished on the same date as received.**

(667721 12:05 BN

Q1870

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1870 **WorkList ID :** 189128 **Department :** Extraction **Date :** 04-24-2025 12:02:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1870-01	38072-010925	Water	SVOCMS Group5	Cool 4 deg C	ALLI03	QA Of	04/21/2025	8270-Modified
Q1870-03	38073-100124	Water	SVOCMS Group2	Cool 4 deg C	ALLI03	QA Of	04/22/2025	8270E

67 of 168

Date/Time 4/24/25 12:03
Raw Sample Received by: RS (Ext-Lab)
Raw Sample Relinquished by: SJ (QAO)

Date/Time NA
Raw Sample Received by: N/A
Raw Sample Relinquished by: N/A

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LAB CHRONICLE

OrderID:	Q1870	**OrderDate:**	4/24/2025 11:31:00 AM
Client:	Alliance Technical Group, LLC - Newark	**Project:**	NJ Waste Water PT
Contact:	Mohammad Ahmed	**Location:**	QA Office

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1870-03	**38073-100124**	**Water**			**04/22/25**			**04/24/25**
			SVOCMS Group2	8270E		04/24/25	04/29/25	

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q1870

Client: Alliance Technical Group, LLC - Newark

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : 38072-010925								
Q1870-01	38072-010925	WATER	Acenaphthylene	240.000	E	0.04	0.1	ug/L
			Total Svoc :	**240.00**				
			Total Concentration:	**240.00**				
Client ID : 38072-010925DL								
Q1870-01DL	38072-010925DL	WATER	Acenaphthylene	240.000	ED	0.19	0.5	ug/L
			Total Svoc :	**240.00**				
			Total Concentration:	**240.00**				
Client ID : 38072-010925DL2								
Q1870-01DL2	38072-010925DL2	WATER	Acenaphthylene	230.000	D	1.9	5	ug/L
			Total Svoc :	**230.00**				
			Total Concentration:	**230.00**				

SAMPLE DATA

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	04/21/25
Project:	NJ Waste Water PT	Date Received:	04/23/25
Client Sample ID:	38072-010925	SDG No.:	Q1870
Lab Sample ID:	Q1870-01	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036936.D	1	04/24/25 12:05	04/29/25 13:05	PB167728

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
208-96-8	Acenaphthylene	240	E	0.040	0.10	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.42		20 - 139	105%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.46		30 - 150	115%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.42		27 - 154	104%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.41		25 - 149	103%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.37		54 - 175	93%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1930	7.633			
1146-65-2	Naphthalene-d8	5450	10.415			
15067-26-2	Acenaphthene-d10	3190	14.277			
1517-22-2	Phenanthrene-d10	6290	17.021			
1719-03-5	Chrysene-d12	6090	21.225			
1520-96-3	Perylene-d12	4540	23.427			

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

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	04/21/25
Project:	NJ Waste Water PT	Date Received:	04/23/25
Client Sample ID:	38072-010925DL	SDG No.:	Q1870
Lab Sample ID:	Q1870-01DL	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036937.D	5	04/24/25 12:05	04/29/25 13:41	PB167728

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
208-96-8	Acenaphthylene	240	ED	0.19	0.50	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.42		20 - 139	104%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.44		30 - 150	110%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.42		27 - 154	105%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.41		25 - 149	101%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.35		54 - 175	88%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2660	7.633			
1146-65-2	Naphthalene-d8	7270	10.404			
15067-26-2	Acenaphthene-d10	4170	14.277			
1517-22-2	Phenanthrene-d10	8000	17.021			
1719-03-5	Chrysene-d12	7790	21.216			
1520-96-3	Perylene-d12	5960	23.427			

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

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	04/21/25
Project:	NJ Waste Water PT	Date Received:	04/23/25
Client Sample ID:	38072-010925DL2	SDG No.:	Q1870
Lab Sample ID:	Q1870-01DL2	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036938.D	50	04/24/25 12:05	04/29/25 14:17	PB167728

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
208-96-8	Acenaphthylene	230	D	1.90	5.00	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0	*	20 - 139	0%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0	*	30 - 150	0%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0	*	27 - 154	0%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0	*	25 - 149	0%	SPK: 0.4
1718-51-0	Terphenyl-d14	0	*	54 - 175	0%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2430	7.633			
1146-65-2	Naphthalene-d8	6300	10.415			
15067-26-2	Acenaphthene-d10	3590	14.277			
1517-22-2	Phenanthrene-d10	7140	17.021			
1719-03-5	Chrysene-d12	6700	21.215			
1520-96-3	Perylene-d12	5500	23.43			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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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
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QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SW-846

SDG No.: Q1870

Client: Alliance Technical Group, LLC - Newark

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167728BL	PB167728BL	2-Methylnaphthalene-d10	0.4	0.32	81		20	139
		Fluoranthene-d10	0.4	0.36	90		30	150
		Nitrobenzene-d5	0.4	0.33	82		27	154
		2-Fluorobiphenyl	0.4	0.35	88		25	149
		Terphenyl-d14	0.4	0.37	91		54	175
PB167728BS	PB167728BS	2-Methylnaphthalene-d10	0.4	0.37	93		20	139
		Fluoranthene-d10	0.4	0.33	82		30	150
		Nitrobenzene-d5	0.4	0.35	87		27	154
		2-Fluorobiphenyl	0.4	0.37	92		25	149
		Terphenyl-d14	0.4	0.36	89		54	175
Q1870-01	38072-010925	2-Methylnaphthalene-d10	0.4	0.42	105		20	139
		Fluoranthene-d10	0.4	0.46	115		30	150
		Nitrobenzene-d5	0.4	0.42	104		27	154
		2-Fluorobiphenyl	0.4	0.41	103		25	149
		Terphenyl-d14	0.4	0.37	93		54	175
Q1870-01DL	38072-010925DL	2-Methylnaphthalene-d10	0.4	0.42	104		20	139
		Fluoranthene-d10	0.4	0.44	110		30	150
		Nitrobenzene-d5	0.4	0.42	105		27	154
		2-Fluorobiphenyl	0.4	0.41	101		25	149
		Terphenyl-d14	0.4	0.35	88		54	175
Q1870-01DL2	38072-010925DL2	2-Methylnaphthalene-d10	0.4	0	0	*	20	139
		Fluoranthene-d10	0.4	0	0	*	30	150
		Nitrobenzene-d5	0.4	0	0	*	27	154
		2-Fluorobiphenyl	0.4	0	0	*	25	149
		Terphenyl-d14	0.4	0	0	*	54	175

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1870

Client: Alliance Technical Group, LLC - Newark

Analytical Method: 8270-Modified **DataFile:** BN036939.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167728BS	Acenaphthylene	0.4	0.37	ug/L	93				60	119	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167728BL

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM Case No.: Q1870 SAS No.: Q1870 SDG NO.: Q1870

Lab File ID: BN036934.D Lab Sample ID: PB167728BL

Instrument ID: BNA_N Date Extracted: 04/24/2025

Matrix: (soil/water) Water Date Analyzed: 04/29/2025

Level: (low/med) LOW Time Analyzed: 09:53

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167728BS	PB167728BS	BN036939.D	04/29/2025
38072-010925	Q1870-01	BN036936.D	04/29/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM SAS No.: Q1870 SDG NO.: Q1870

Lab File ID: BN036922.D DFTPP Injection Date: 04/28/2025

Instrument ID: BNA_N DFTPP Injection Time: 10:56

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	67.4
68	Less than 2.0% of mass 69	0.8 (1.4) 1
69	Mass 69 relative abundance	58.8
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	54.3
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	23.7
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	8.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	9.3 (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
SSTDICC0.1	SSTDICC0.1	BN036923.D	04/28/2025	11:35
SSTDICC0.2	SSTDICC0.2	BN036924.D	04/28/2025	12:11
SSTDICCC0.4	SSTDICCC0.4	BN036925.D	04/28/2025	12:47
SSTDICC0.8	SSTDICC0.8	BN036926.D	04/28/2025	13:24
SSTDICC1.6	SSTDICC1.6	BN036927.D	04/28/2025	14:00
SSTDICC3.2	SSTDICC3.2	BN036928.D	04/28/2025	14:36
SSTDICC5.0	SSTDICC5.0	BN036929.D	04/28/2025	15:12

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM SAS No.: Q1870 SDG NO.: Q1870

Lab File ID: BN036932.D DFTPP Injection Date: 04/29/2025

Instrument ID: BNA_N DFTPP Injection Time: 08:38

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	70.2
68	Less than 2.0% of mass 69	0.8 (1.3) 1
69	Mass 69 relative abundance	59.7
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	54.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
275	10.0 - 60.0% of mass 198	23.1
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	7.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	9.9 (21.2) 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
SSTDCCC0.4	SSTDCCC0.4	BN036933.D	04/29/2025	09:17
PB167728BL	PB167728BL	BN036934.D	04/29/2025	09:53
38072-010925	Q1870-01	BN036936.D	04/29/2025	13:05
38072-010925DL	Q1870-01DL	BN036937.D	04/29/2025	13:41
38072-010925DL2	Q1870-01DL2	BN036938.D	04/29/2025	14:17
PB167728BS	PB167728BS	BN036939.D	04/29/2025	14:54

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1870 SAS No.: Q1870 SDG NO.: Q1870

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 04/29/2025

Lab File ID: BN036933.D Time Analyzed: 09:17

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	2604	7.633	6625	10.40	3573	14.28
	UPPER LIMIT	5208	8.133	13250	10.904	7146	14.777
	LOWER LIMIT	1302	7.133	3312.5	9.904	1786.5	13.777
	EPA SAMPLE NO.						
01	PB167728BL	2379	7.63	5573	10.42	2873	14.28
02	38072-010925	1925	7.63	5445	10.42	3190	14.28
03	38072-010925DL	2660	7.63	7273	10.40	4170	14.28
04	PB167728BS	2630	7.63	6464	10.42	3313	14.28
05	38072-010925DL2	2432	7.63	6295	10.42	3589	14.28

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1870 SAS No.: Q1870 SDG NO.: Q1870

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 04/29/2025

Lab File ID: BN036933.D Time Analyzed: 09:17

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	6894	17.021	5083	21.216	4284	23.427
	UPPER LIMIT	13788	17.521	10166	21.716	8568	23.927
	LOWER LIMIT	3447	16.521	2541.5	20.716	2142	22.927
	EPA SAMPLE NO.						
01	PB167728BL	5718	17.02	4280	21.22	3789	23.42
02	38072-010925	6294	17.02	6093	21.23	4542	23.43
03	38072-010925DL	7996	17.02	7787	21.22	5957	23.43
04	PB167728BS	6630	17.02	4615	21.22	3648	23.43
05	38072-010925DL2	7137	17.02	6695	21.22	5501	23.43

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.

QC SAMPLE DATA

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB167728BL	SDG No.:	Q1870
Lab Sample ID:	PB167728BL	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036934.D	1	04/24/25 12:05	04/29/25 09:53	PB167728

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
208-96-8	Acenaphthylene	0.040	U	0.040	0.10	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.32		20 - 139	81%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150	90%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		27 - 154	82%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		25 - 149	88%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.37		54 - 175	91%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2380	7.633			
1146-65-2	Naphthalene-d8	5570	10.415			
15067-26-2	Acenaphthene-d10	2870	14.277			
1517-22-2	Phenanthrene-d10	5720	17.021			
1719-03-5	Chrysene-d12	4280	21.215			
1520-96-3	Perylene-d12	3790	23.424			

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB167728BS	SDG No.:	Q1870
Lab Sample ID:	PB167728BS	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036939.D	1	04/24/25 12:05	04/29/25 14:54	PB167728

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
208-96-8	Acenaphthylene	0.37		0.040	0.10	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.37		20 - 139	93%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.33		30 - 150	82%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		27 - 154	87%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		25 - 149	92%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.36		54 - 175	89%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2630	7.633			
1146-65-2	Naphthalene-d8	6460	10.415			
15067-26-2	Acenaphthene-d10	3310	14.277			
1517-22-2	Phenanthrene-d10	6630	17.021			
1719-03-5	Chrysene-d12	4620	21.215			
1520-96-3	Perylene-d12	3650	23.427			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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J = Estimated Value
B = Analyte Found in Associated Method Blank
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* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Apr 28 15:35:03 2025
Response Via : Initial Calibration

Calibration Files
0.1 =BN036923.D 0.2 =BN036924.D 0.4 =BN036925.D 0.8 =BN036926.D 1.6 =BN036927.D 3.2 =BN036928.D 5.0 =BN036929.D

		Compound	0.1	0.2	0.4	0.8	1.6	3.2	5.0	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane	0.452	0.489	0.551	0.506	0.537	0.489	0.465	0.498	7.23
3)		n-Nitrosodimet...	0.903	0.998	1.010	0.957	1.034	0.952	0.918	0.967	5.01
4)	S	2-Fluorophenol	1.050	1.056	1.118	0.946	1.040	0.982	0.970	1.023	5.86
5)	S	Phenol-d6	1.270	1.237	1.337	1.151	1.294	1.255	1.272	1.259	4.57
6)		bis(2-Chloroet...	1.174	1.123	1.170	1.139	1.240	1.162	1.162	1.167	3.17
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.400	0.401	0.411	0.404	0.446	0.432	0.436	0.418	4.52
9)		Naphthalene	1.155	1.147	1.155	1.132	1.225	1.170	1.165	1.164	2.56
10)		Hexachlorobuta...	0.260	0.250	0.253	0.249	0.262	0.248	0.240	0.252	2.99
11)	SURR	2-Methylnaphth...	0.540	0.532	0.541	0.543	0.596	0.575	0.589	0.559	4.75
12)		2-Methylnaphth...	0.716	0.713	0.719	0.735	0.804	0.782	0.798	0.753	5.41
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...	0.156	0.173	0.177	0.175	0.187	0.184	0.196	0.178	7.18
15)	S	2-Fluorobiphenyl	1.877	1.975	2.055	1.690	2.023	1.986	1.928	1.933	6.32
16)		Acenaphthylene	1.876	1.850	1.907	1.884	2.067	2.035	2.066	1.955	4.93
17)		Acenaphthene	1.264	1.270	1.275	1.248	1.333	1.295	1.305	1.284	2.22
18)		Fluorene	1.604	1.612	1.624	1.658	1.788	1.720	1.752	1.680	4.39
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...		0.083	0.090	0.096	0.113	0.120	0.134	0.106	18.55
21)		4-Bromophenyl-...	0.260	0.263	0.262	0.260	0.282	0.272	0.270	0.267	3.11
22)		Hexachlorobenzene	0.301	0.289	0.300	0.280	0.303	0.293	0.282	0.293	3.18
23)		Atrazine	0.193	0.198	0.199	0.217	0.227	0.226	0.248	0.215	9.20
24)		Pentachlorophenol	0.160	0.136	0.144	0.145	0.163	0.168	0.181	0.157	10.06
25)		Phenanthrene	1.309	1.274	1.299	1.280	1.387	1.346	1.347	1.320	3.13
26)		Anthracene	1.131	1.108	1.147	1.138	1.275	1.261	1.299	1.194	6.74
27)	SURR	Fluoranthene-d10	0.993	1.004	0.991	1.016	1.087	1.053	1.115	1.037	4.74
28)		Fluoranthene	1.387	1.380	1.399	1.471	1.578	1.530	1.613	1.480	6.46
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	1.919	1.942	1.958	1.802	2.073	1.969	1.823	1.927	4.77
31)	S	Terphenyl-d14	0.974	0.942	0.946	0.893	1.005	0.952	0.897	0.944	4.22
32)		Benzo(a)anthra...	1.402	1.407	1.429	1.422	1.583	1.509	1.561	1.473	5.19
33)		Chrysene	1.517	1.576	1.637	1.582	1.700	1.572	1.536	1.589	3.91
34)		Bis(2-ethylhex...	0.949	0.847	0.834	0.784	0.804	0.782	0.866	0.838	6.96
35)	I	Perylene-d12	----------ISTD----------								

Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN042825.M

36)		Indeno(1,2,3-c...	1.595	1.571	1.712	1.503	1.720	1.724	1.609	1.634	5.29
37)		Benzo(b)fluora...	1.580	1.552	1.634	1.628	1.796	1.758	1.825	1.682	6.50
38)		Benzo(k)fluora...	1.601	1.569	1.648	1.641	1.812	1.784	1.785	1.691	5.89
39)	C	Benzo(a)pyrene	1.315	1.301	1.361	1.315	1.463	1.447	1.477	1.383	5.57
40)		Dibenzo(a,h)an...	1.229	1.241	1.349	1.176	1.357	1.379	1.268	1.286	5.96
41)		Benzo(g,h,i)pe...	1.459	1.405	1.515	1.305	1.495	1.470	1.339	1.427	5.61

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM Case No.: Q1870 SAS No.: Q1870 SDG No.: Q1870

Instrument ID: BNA_N Calibration Date/Time: 04/29/2025 09:17

Lab File ID: BN036933.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 11:35 15:12

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.559	0.542		-3.0	20.0
Fluoranthene-d10	1.037	0.998		-3.8	20.0
2-Fluorophenol	1.023	1.058		3.4	20.0
Phenol-d6	1.259	1.302		3.4	20.0
Nitrobenzene-d5	0.418	0.407		-2.6	20.0
2-Fluorobiphenyl	1.933	1.953		1.0	20.0
Acenaphthylene	1.955	1.903		-2.7	20.0
2,4,6-Tribromophenol	0.178	0.172		-3.4	20.0
Terphenyl-d14	0.944	0.951		0.7	20.0

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042925\
Data File : BN036936.D
Acq On : 29 Apr 2025 13:05
Operator : RC/JU
Sample : Q1870-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
38072-010925

Quant Time: Apr 29 13:29:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration

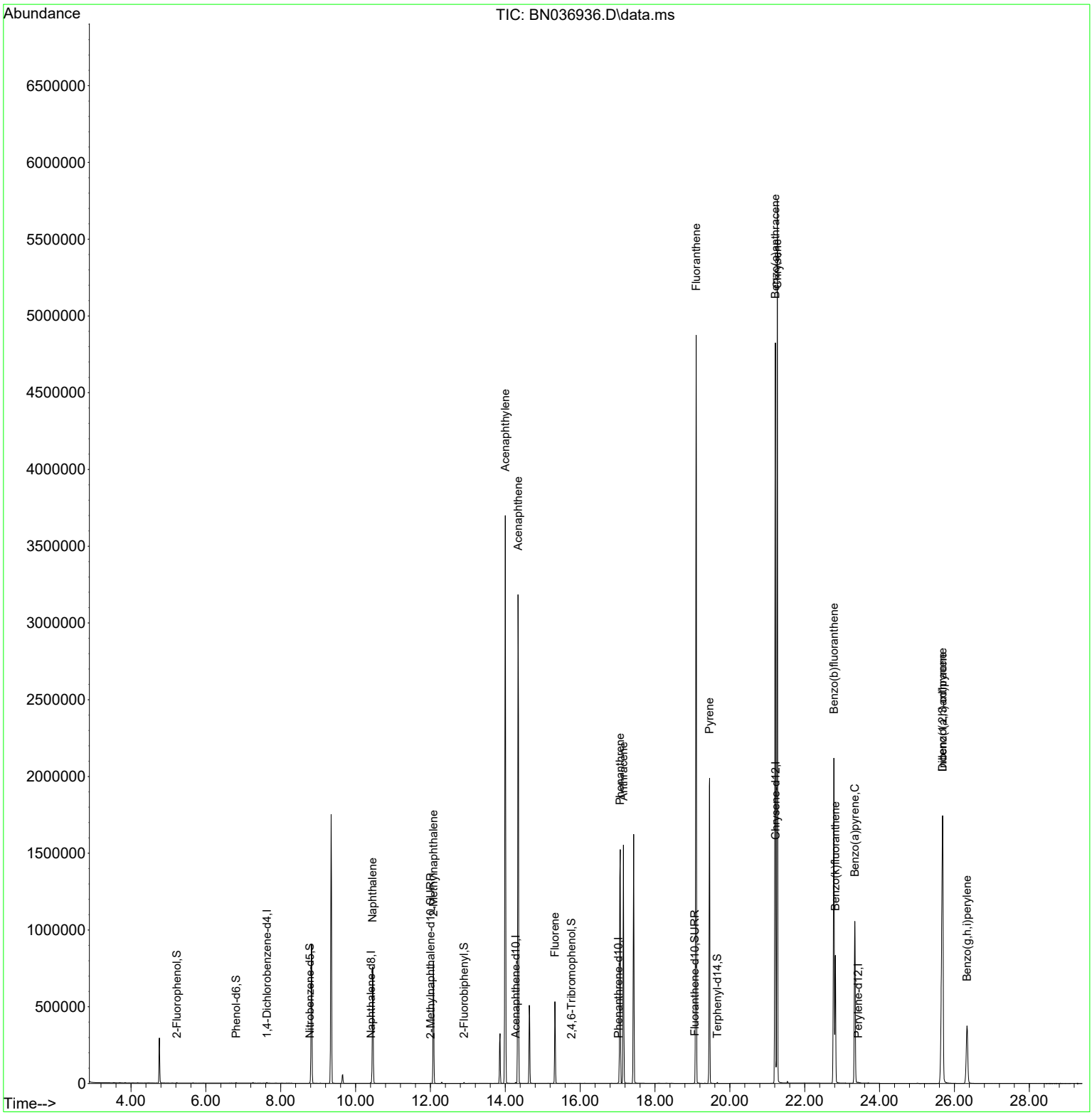
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.633	152	1925	0.400	ng		0.00
7) Naphthalene-d8	10.415	136	5445	0.400	ng		0.00
13) Acenaphthene-d10	14.277	164	3190	0.400	ng		0.00
19) Phenanthrene-d10	17.021	188	6294	0.400	ng		0.00
29) Chrysene-d12	21.225	240	6093	0.400	ng		0.00
35) Perylene-d12	23.427	264	4542	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.228	112	1734	0.352	ng		0.00
5) Phenol-d6	6.810	99	2400	0.396	ng		0.00
8) Nitrobenzene-d5	8.782	82	2370	0.416	ng		0.00
11) 2-Methylnaphthalene-d10	12.006	152	3196	0.420	ng		0.00
14) 2,4,6-Tribromophenol	15.768	330	303	0.213	ng		0.00
15) 2-Fluorobiphenyl	12.899	172	6365	0.413	ng		0.00
27) Fluoranthene-d10	19.063	212	7536	0.462	ng		0.00
31) Terphenyl-d14	19.663	244	5329	0.371	ng		0.00
Target Compounds							Qvalue
9) Naphthalene	10.458	128	916595	57.839	ng		98
12) 2-Methylnaphthalene	12.082	142	515219	50.291	ng		99
16) Acenaphthylene	13.999	152	3723039	238.798	ng		99
17) Acenaphthene	14.342	154	1522189	148.602	ng		95
18) Fluorene	15.325	166	299838	22.381	ng		99
25) Phenanthrene	17.071	178	1651033	79.476	ng		100
26) Anthracene	17.158	178	1384185	73.661	ng		100
28) Fluoranthene	19.101	202	4394407	188.748	ng		98
30) Pyrene	19.458	202	1714365	58.420	ng		98
32) Benzo(a)anthracene	21.216	228	4066087	181.199	ng		99
33) Chrysene	21.269	228	4265016	176.238	ng		98
36) Indeno(1,2,3-cd)pyrene	25.684	276	2815525	151.786	ng		95
37) Benzo(b)fluoranthene	22.781	252	2651471	138.833	ng	#	88
38) Benzo(k)fluoranthene	22.819	252	864365	45.004	ng	#	87
39) Benzo(a)pyrene	23.339	252	1407542	89.656	ng	#	81
40) Dibenzo(a,h)anthracene	25.684	278	699662	47.928	ng	#	88
41) Benzo(g,h,i)perylene	26.336	276	724777	44.737	ng		98

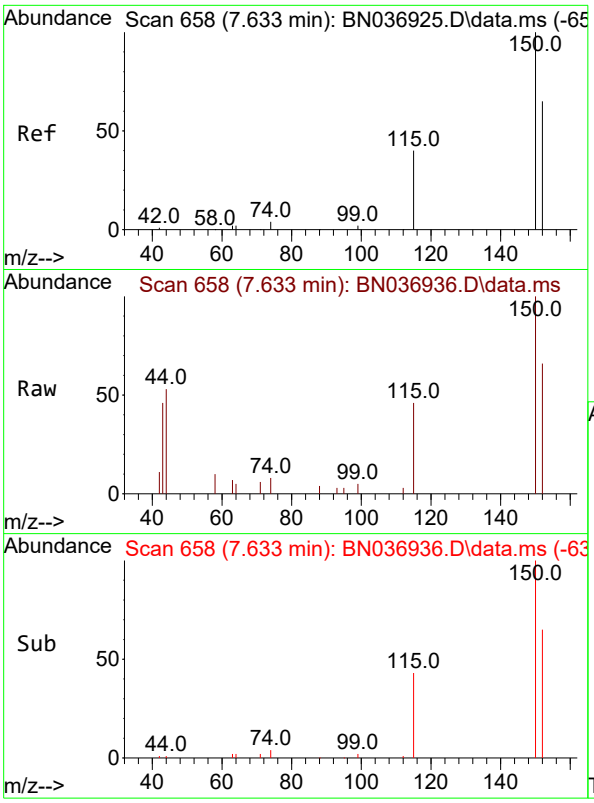
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042925\
Data File : BN036936.D
Acq On : 29 Apr 2025 13:05
Operator : RC/JU
Sample : Q1870-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
38072-010925

Quant Time: Apr 29 13:29:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration



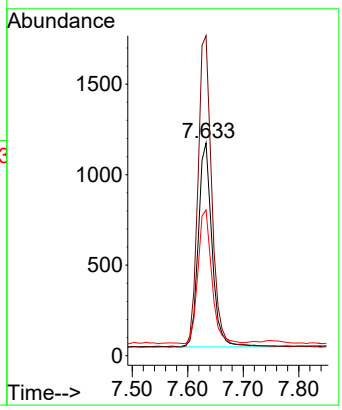


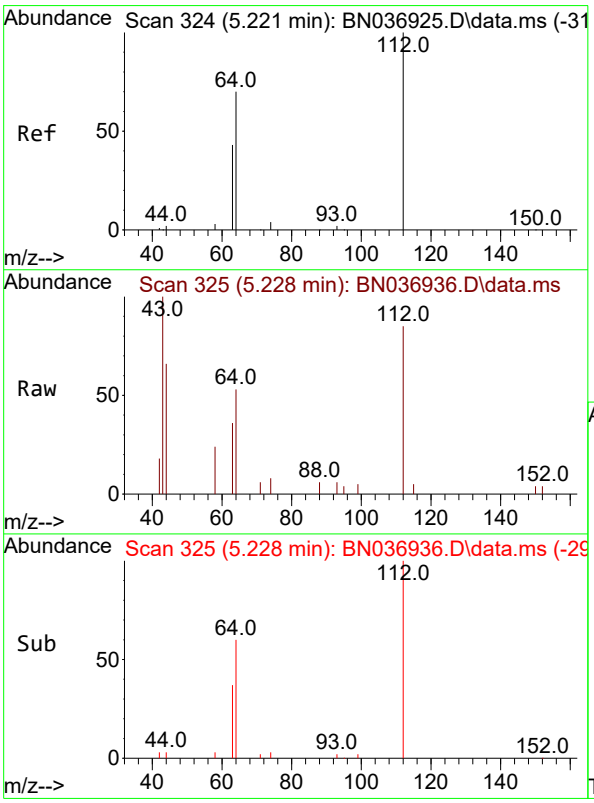
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.633 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Instrument :
BNA_N
ClientSampleId :
38072-010925

Tgt Ion:152 Resp: 1925

Ion	Ratio	Lower	Upper
152	100		
150	150.5	121.1	181.7
115	68.5	51.8	77.6

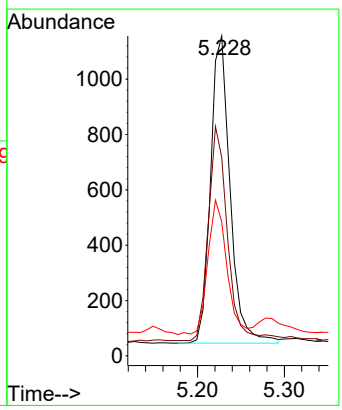


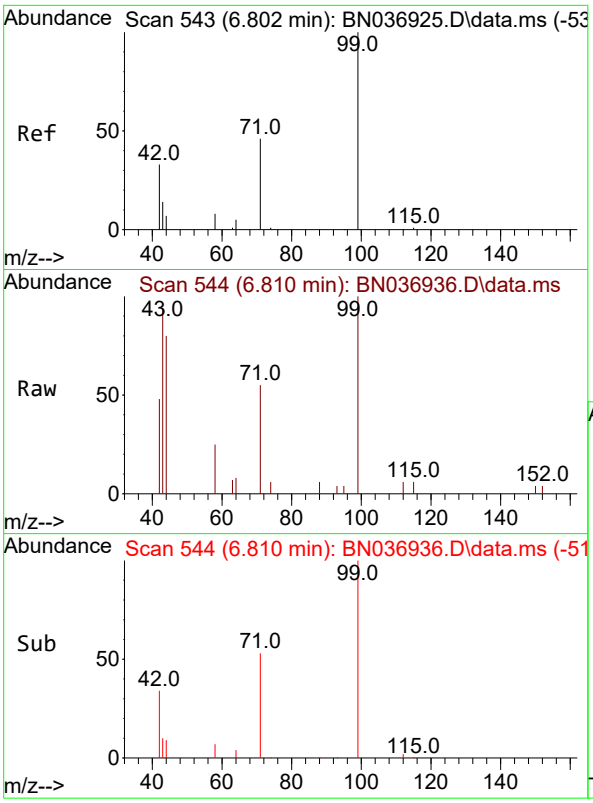


#4
2-Fluorophenol
Concen: 0.352 ng
RT: 5.228 min Scan# 325
Delta R.T. 0.007 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Tgt Ion:112 Resp: 1734

Ion	Ratio	Lower	Upper
112	100		
64	70.9	55.7	83.5
63	42.2	33.9	50.9



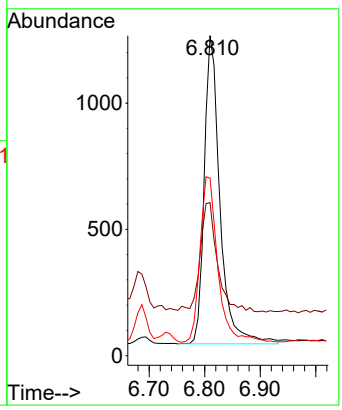


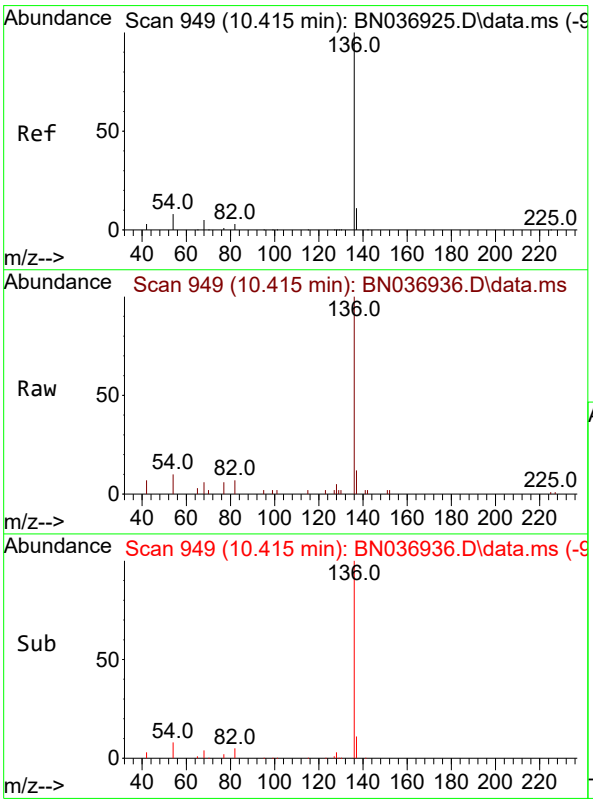
#5
Phenol-d6
Concen: 0.396 ng
RT: 6.810 min Scan# 54
Delta R.T. 0.007 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Instrument :
BNA_N
ClientSampleId :
38072-010925

Tgt Ion: 99 Resp: 2400

Ion	Ratio	Lower	Upper
99	100		
42	38.9	29.6	44.4
71	61.0	36.0	54.0#

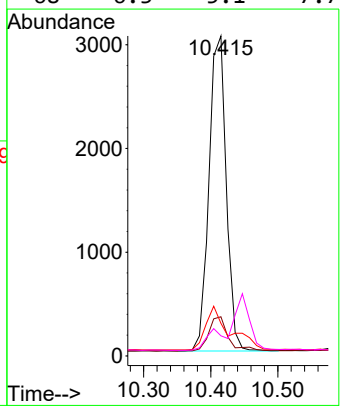


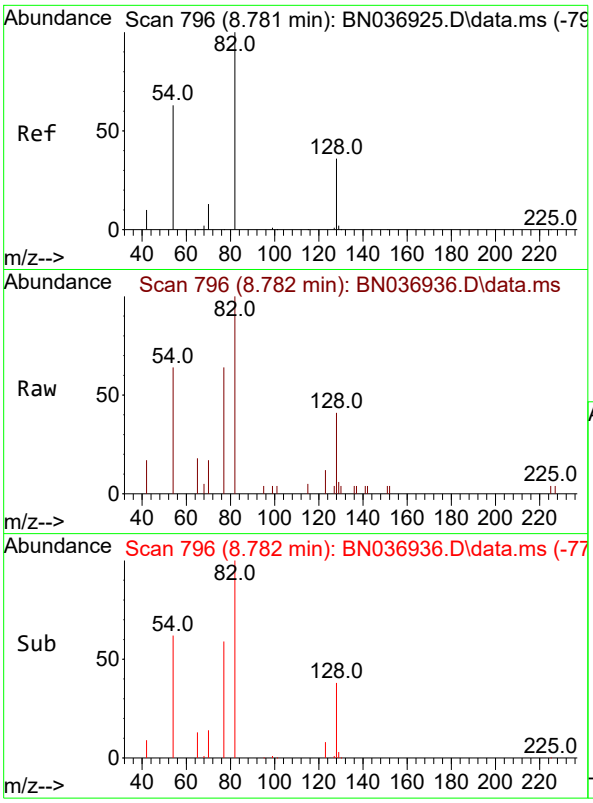


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.415 min Scan# 949
Delta R.T. 0.000 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Tgt Ion:136 Resp: 5445

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.7	14.5
54	10.2	8.0	12.0
68	6.3	5.1	7.7



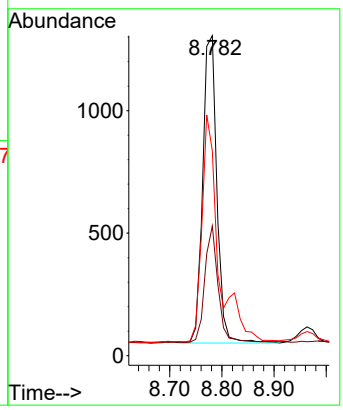


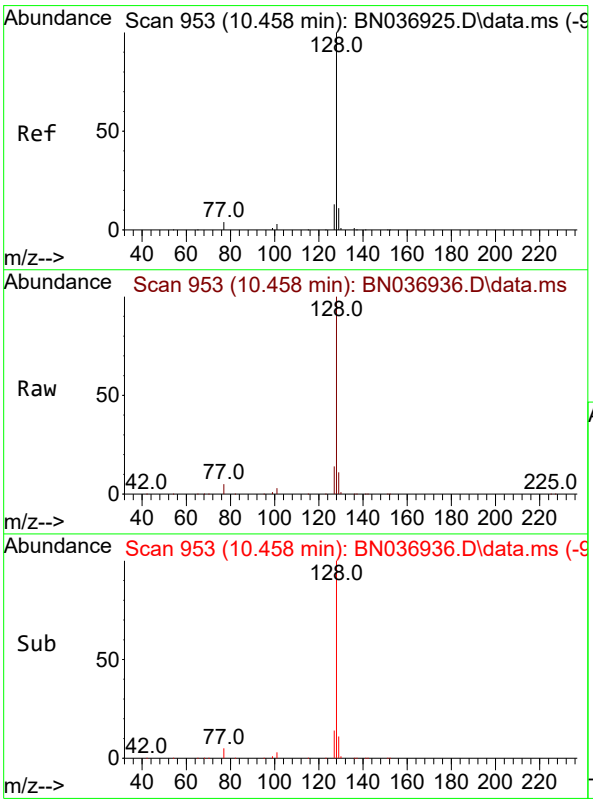
#8
Nitrobenzene-d5
Concen: 0.416 ng
RT: 8.782 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Instrument :
BNA_N
ClientSampleId :
38072-010925

Tgt Ion: 82 Resp: 2370

Ion	Ratio	Lower	Upper
82	100		
128	40.6	30.7	46.1
54	64.0	52.1	78.1

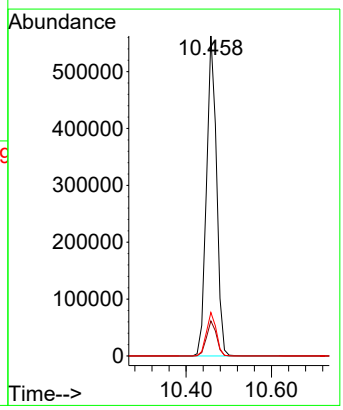


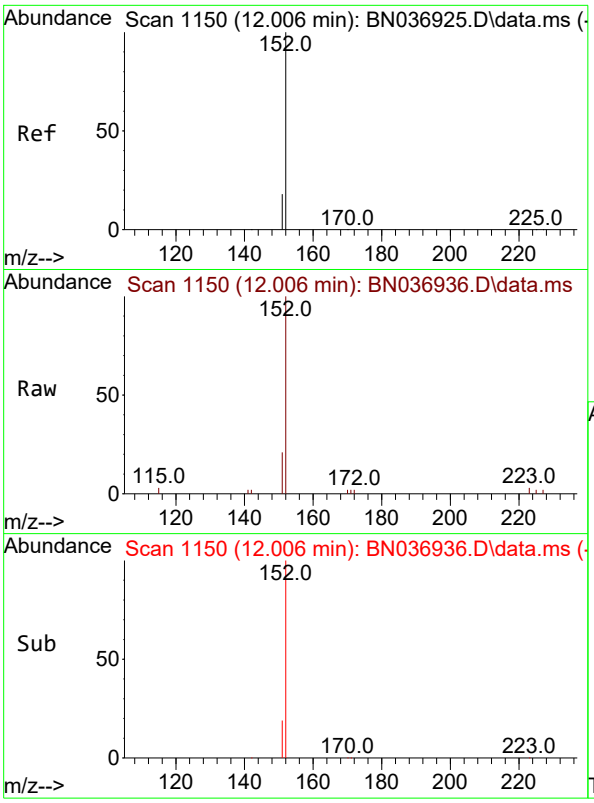


#9
Naphthalene
Concen: 57.839 ng
RT: 10.458 min Scan# 953
Delta R.T. 0.000 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Tgt Ion:128 Resp: 916595

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.8	14.6
127	13.6	11.4	17.2



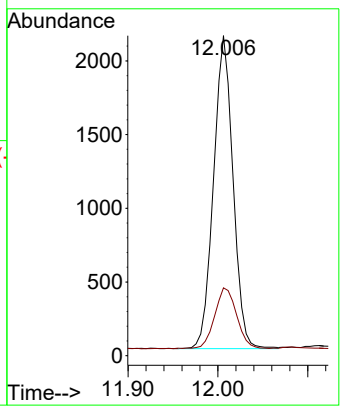


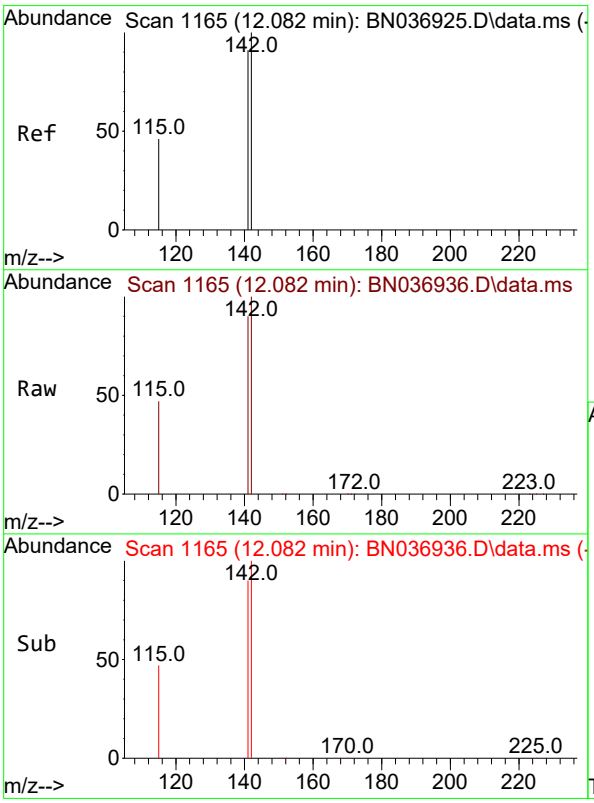
#11
2-Methylnaphthalene-d10
Concen: 0.420 ng
RT: 12.006 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Instrument :
BNA_N
ClientSampleId :
38072-010925

Tgt Ion:152 Resp: 3196

Ion	Ratio	Lower	Upper
152	100		
151	21.9	16.9	25.3

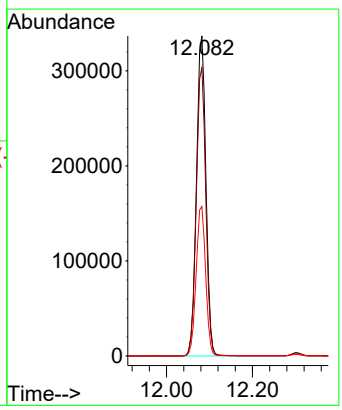


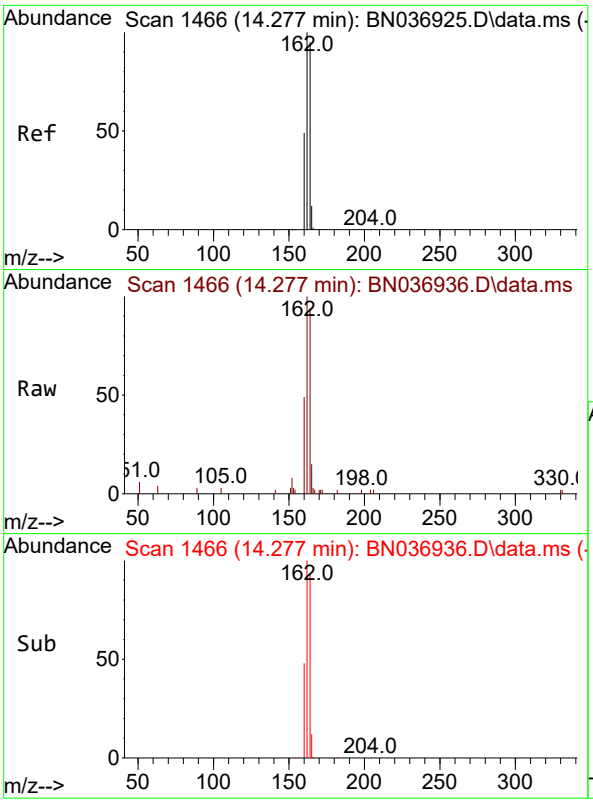


#12
2-Methylnaphthalene
Concen: 50.291 ng
RT: 12.082 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Tgt Ion:142 Resp: 515219

Ion	Ratio	Lower	Upper
142	100		
141	90.0	72.8	109.2
115	46.7	38.2	57.4



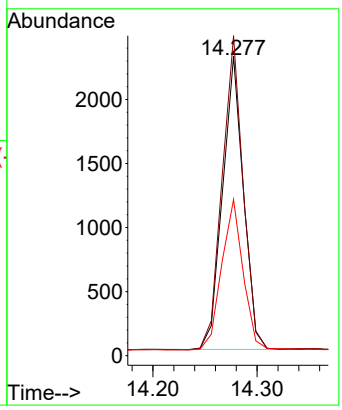


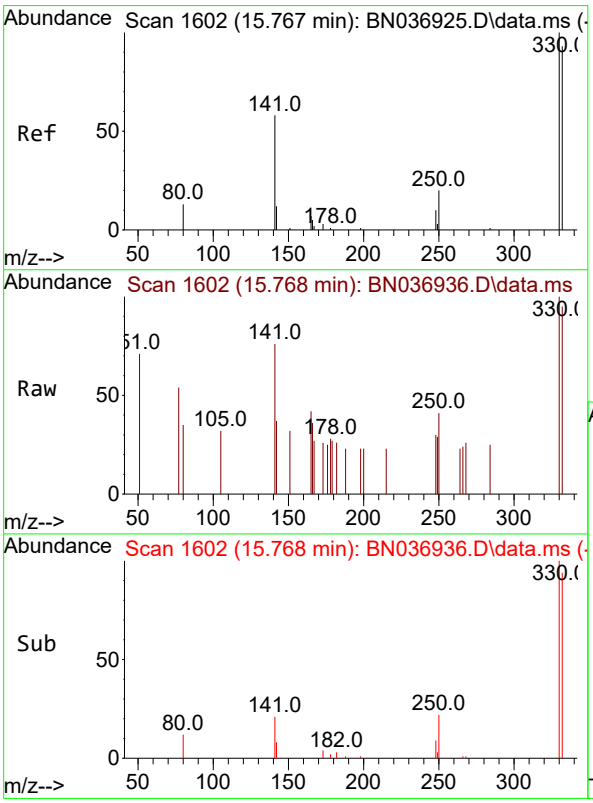
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Instrument :
BNA_N
ClientSampleId :
38072-010925

Tgt Ion:164 Resp: 3190

Ion	Ratio	Lower	Upper
164	100		
162	106.8	83.8	125.8
160	52.1	42.0	63.0

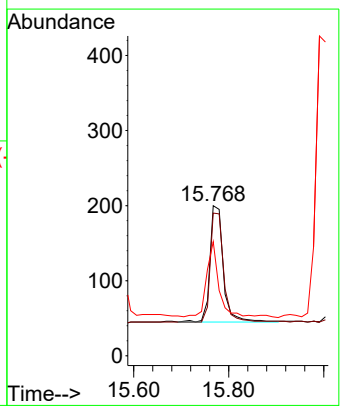


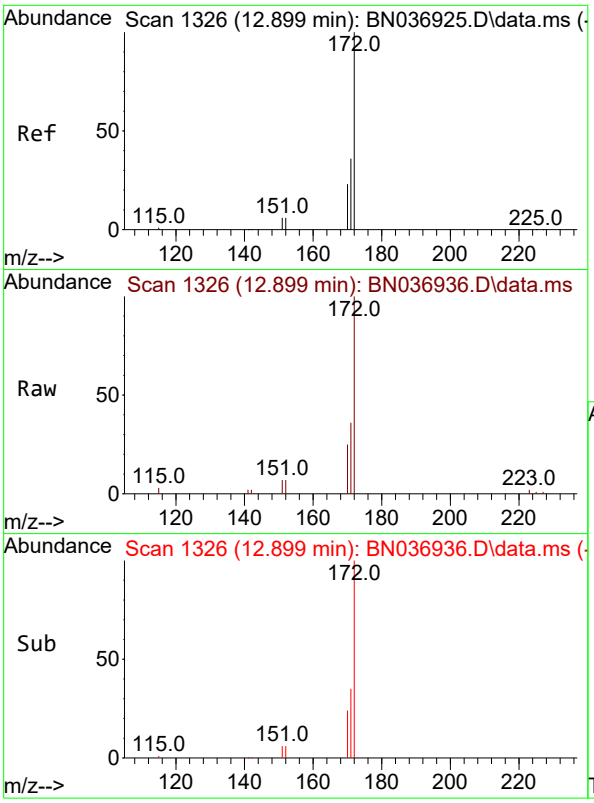


#14
2,4,6-Tribromophenol
Concen: 0.213 ng
RT: 15.768 min Scan# 1602
Delta R.T. 0.000 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Tgt Ion:330 Resp: 303

Ion	Ratio	Lower	Upper
330	100		
332	93.1	76.3	114.5
141	57.8	45.4	68.2



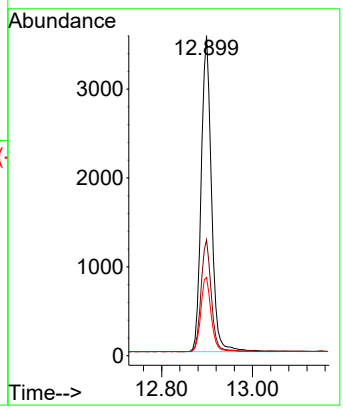


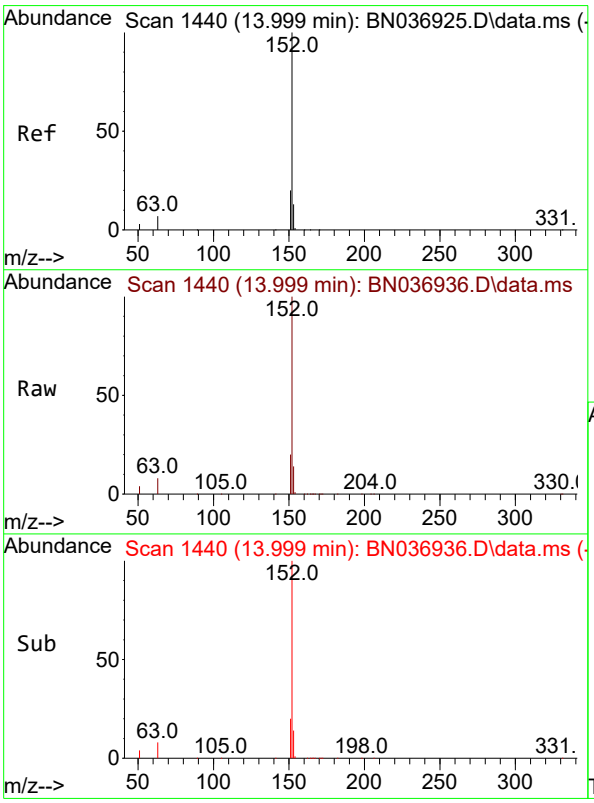
#15
2-Fluorobiphenyl
Concen: 0.413 ng
RT: 12.899 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Instrument :
BNA_N
ClientSampleId :
38072-010925

Tgt Ion:172 Resp: 6365

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.4	44.0
170	24.5	19.4	29.0

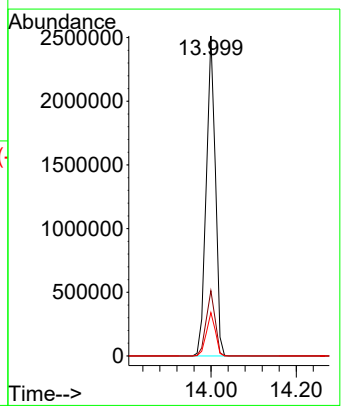


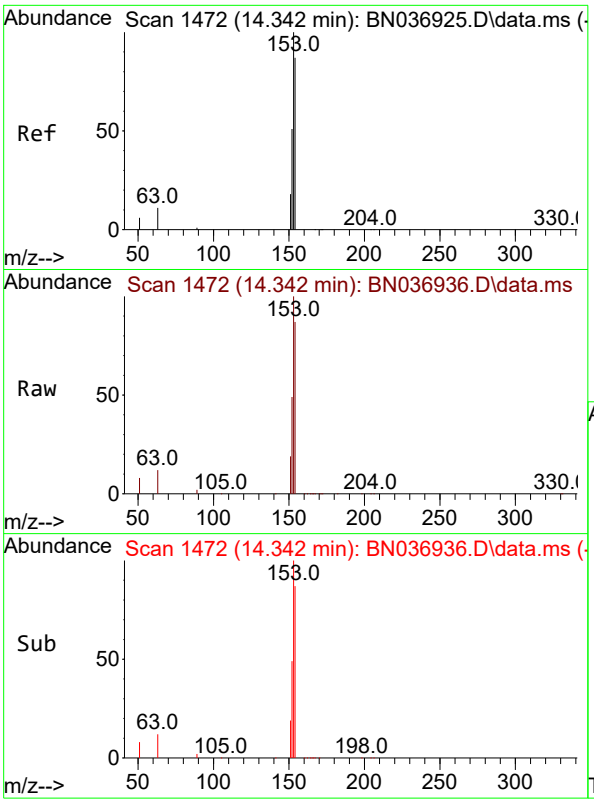


#16
Acenaphthylene
Concen: 238.798 ng
RT: 13.999 min Scan# 1440
Delta R.T. 0.000 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Tgt Ion:152 Resp: 3723039

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.0	24.0
153	13.5	10.2	15.2



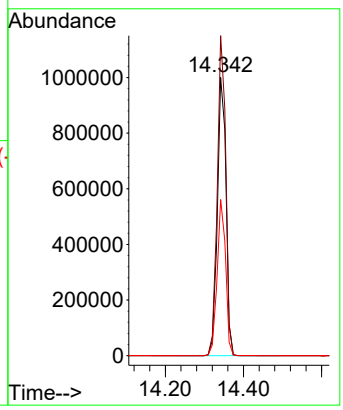


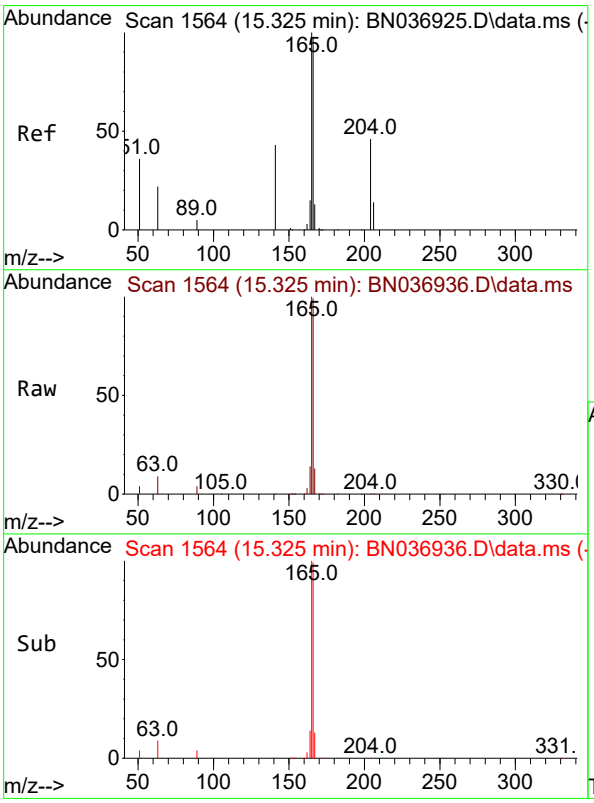
#17
Acenaphthene
Concen: 148.602 ng
RT: 14.342 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Instrument :
BNA_N
ClientSampleId :
38072-010925

Tgt Ion:154 Resp: 1522189

Ion	Ratio	Lower	Upper
154	100		
153	113.7	93.4	140.2
152	55.1	49.5	74.3

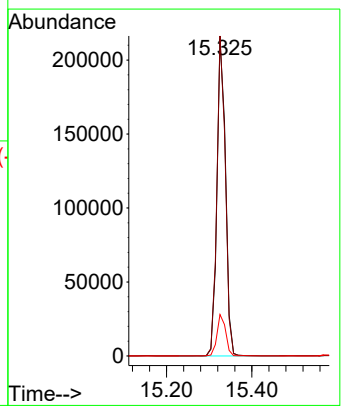


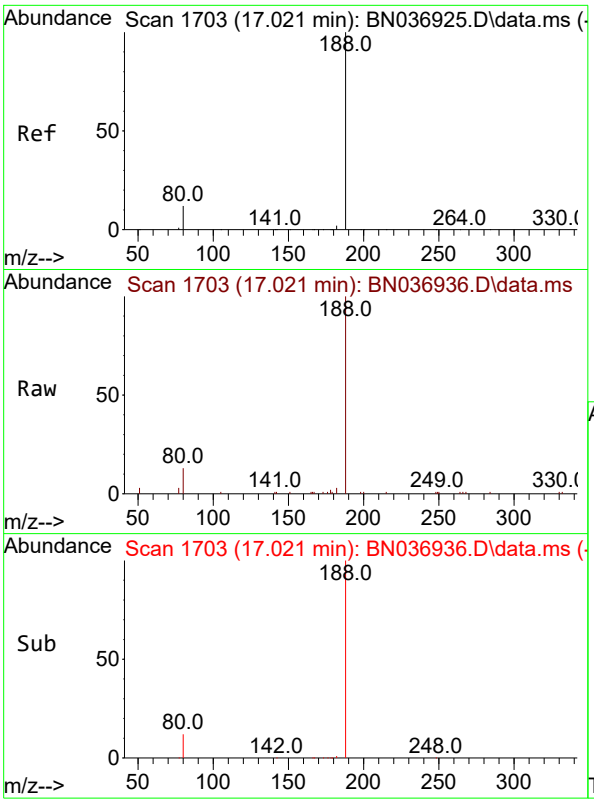


#18
Fluorene
Concen: 22.381 ng
RT: 15.325 min Scan# 1564
Delta R.T. 0.000 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Tgt Ion:166 Resp: 299838

Ion	Ratio	Lower	Upper
166	100		
165	99.7	80.8	121.2
167	13.2	10.8	16.2



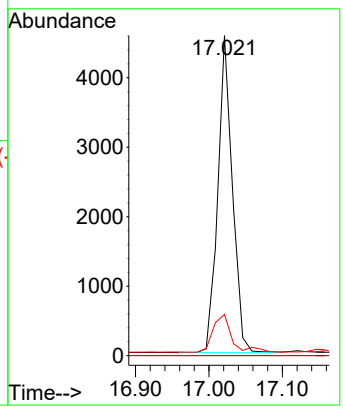


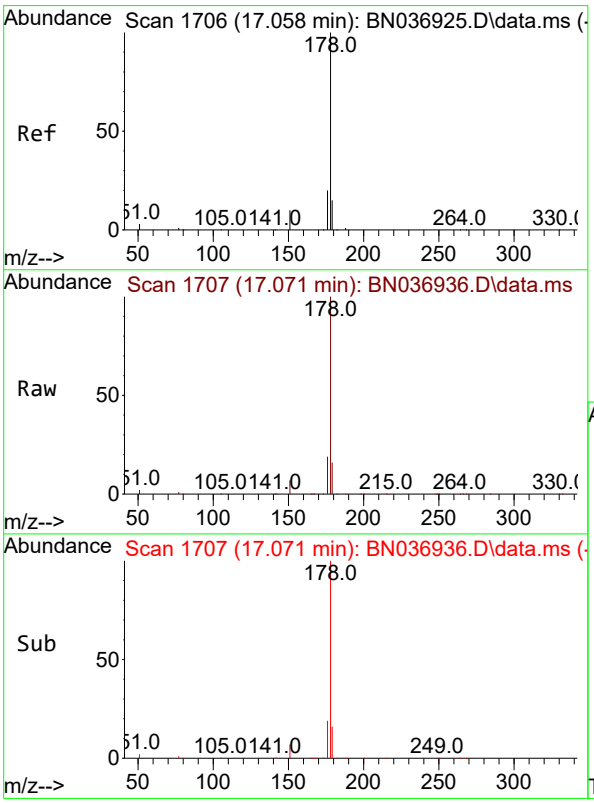
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.021 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Instrument :
BNA_N
ClientSampleId :
38072-010925

Tgt Ion:188 Resp: 6294

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.9	10.7	16.1

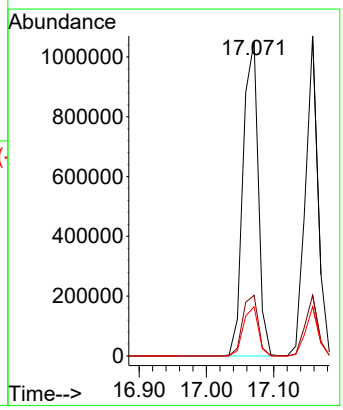


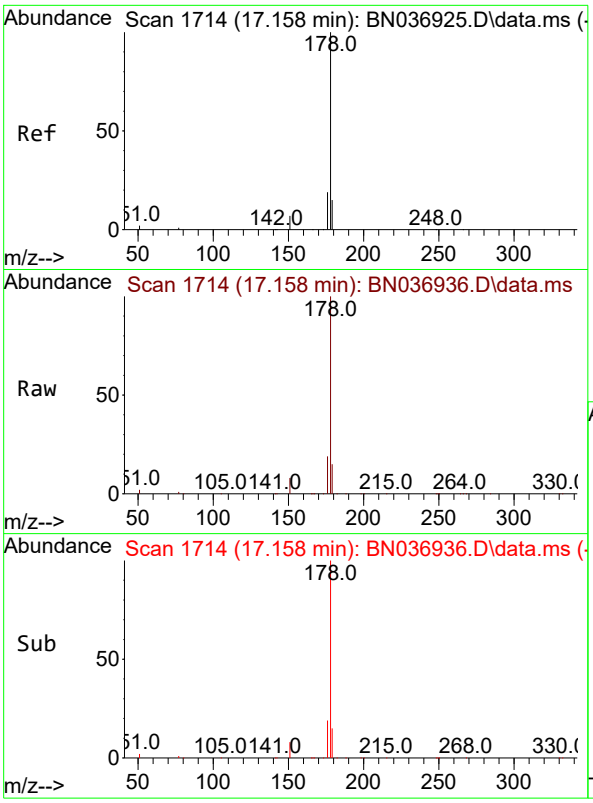


#25
Phenanthrene
Concen: 79.476 ng
RT: 17.071 min Scan# 1707
Delta R.T. 0.012 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Tgt Ion:178 Resp: 1651033

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.7	23.5
179	15.4	12.4	18.6



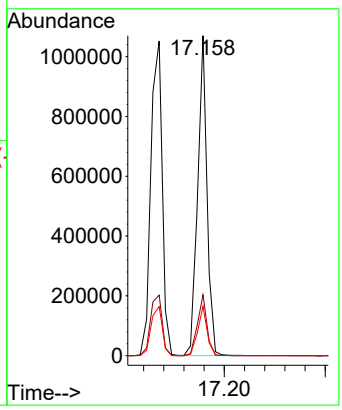


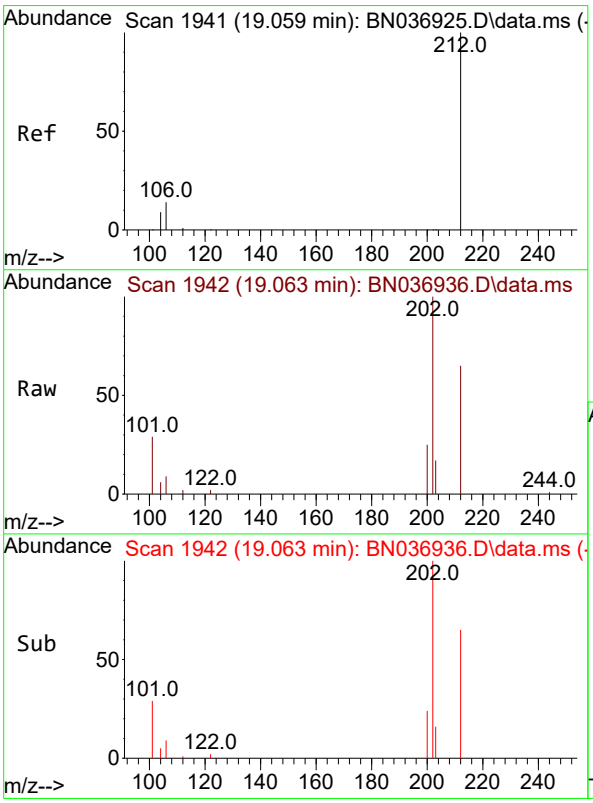
#26
Anthracene
Concen: 73.661 ng
RT: 17.158 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Instrument :
BNA_N
ClientSampleId :
38072-010925

Tgt Ion:178 Resp: 1384185

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

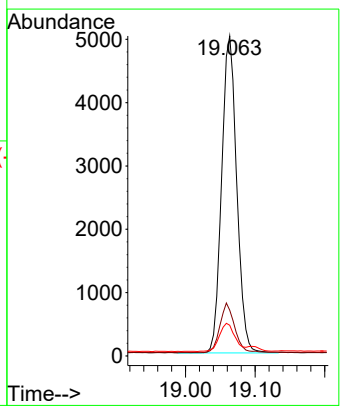


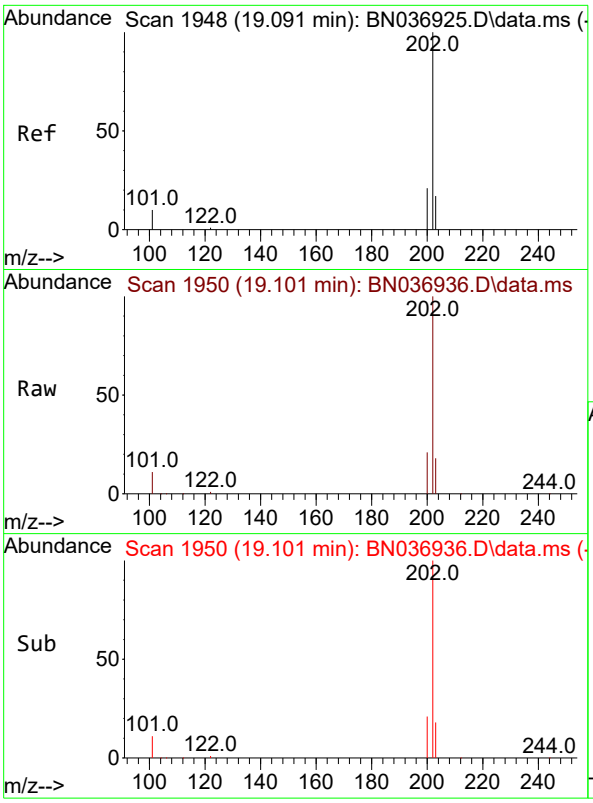


#27
Fluoranthene-d10
Concen: 0.462 ng
RT: 19.063 min Scan# 1942
Delta R.T. 0.005 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Tgt Ion:212 Resp: 7536

Ion	Ratio	Lower	Upper
212	100		
106	15.2	11.6	17.4
104	9.2	7.0	10.4



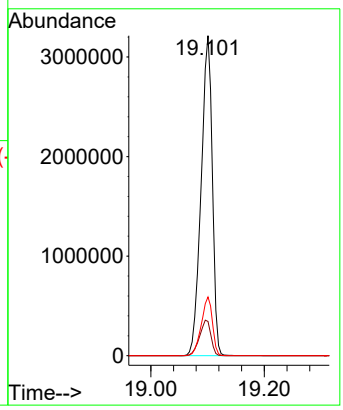


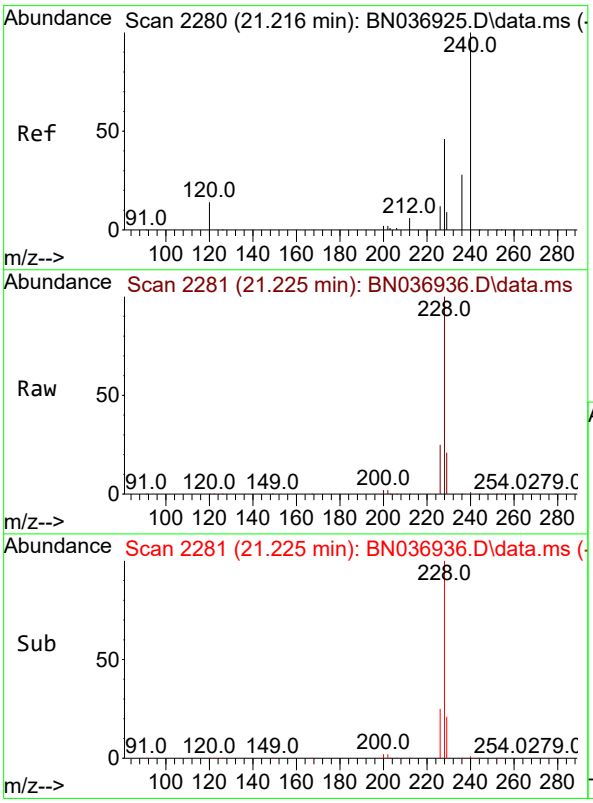
#28
Fluoranthene
Concen: 188.748 ng
RT: 19.101 min Scan# 1
Delta R.T. 0.009 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Instrument :
BNA_N
ClientSampleId :
38072-010925

Tgt Ion:202 Resp: 4394407

Ion	Ratio	Lower	Upper
202	100		
101	11.3	8.5	12.7
203	18.2	13.7	20.5

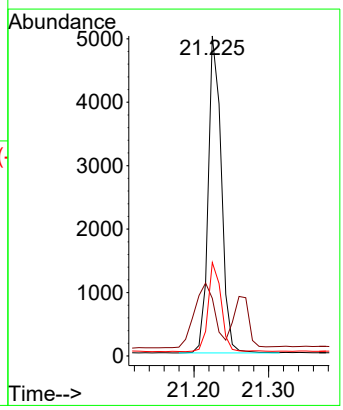


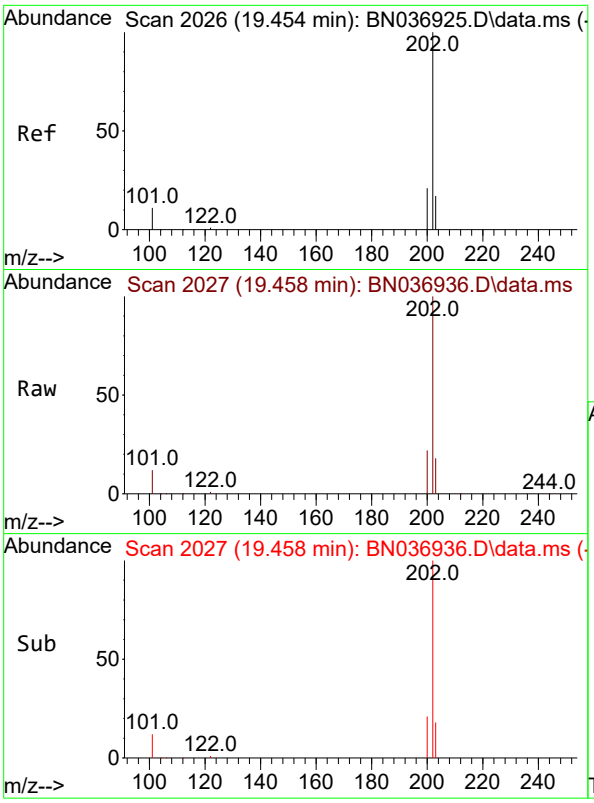


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.225 min Scan# 2281
Delta R.T. 0.009 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Tgt Ion:240 Resp: 6093

Ion	Ratio	Lower	Upper
240	100		
120	18.0	14.1	21.1
236	29.2	23.8	35.8



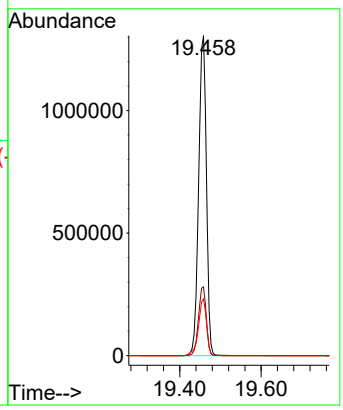


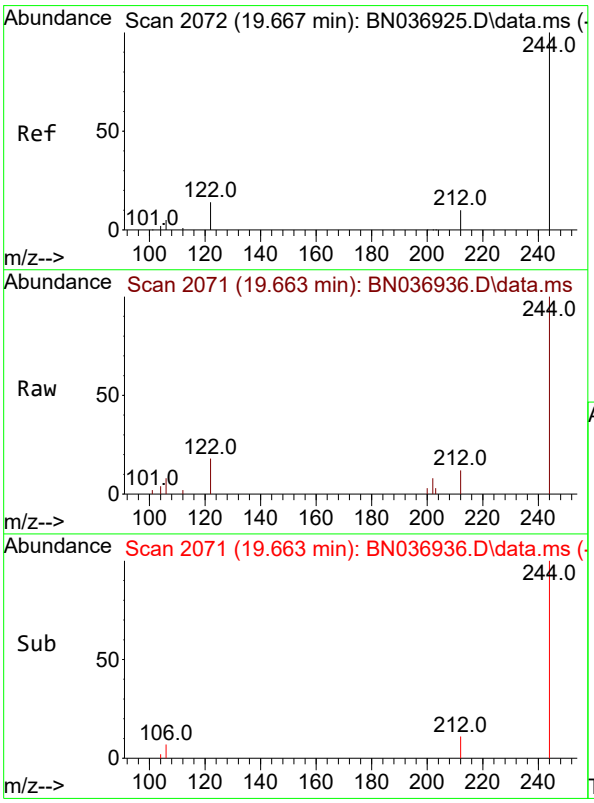
#30
Pyrene
Concen: 58.420 ng
RT: 19.458 min Scan# 2
Delta R.T. 0.005 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Instrument :
BNA_N
ClientSampleId :
38072-010925

Tgt Ion:202 Resp: 1714365

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.0	25.6
203	18.6	14.0	21.0

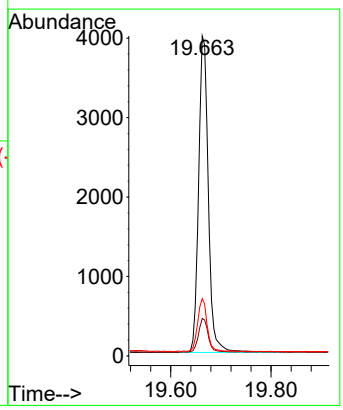


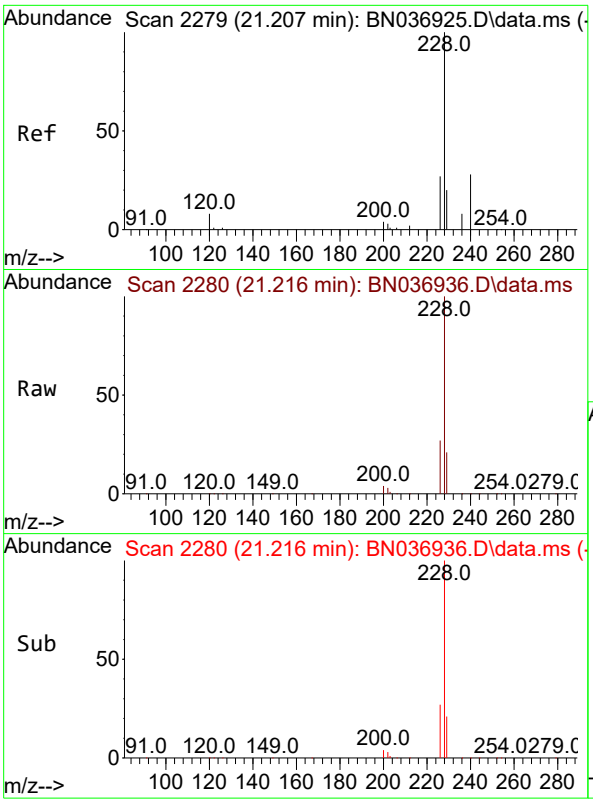


#31
Terphenyl-d14
Concen: 0.371 ng
RT: 19.663 min Scan# 2071
Delta R.T. -0.005 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Tgt Ion:244 Resp: 5329

Ion	Ratio	Lower	Upper
244	100		
212	11.7	9.6	14.4
122	17.9	12.7	19.1



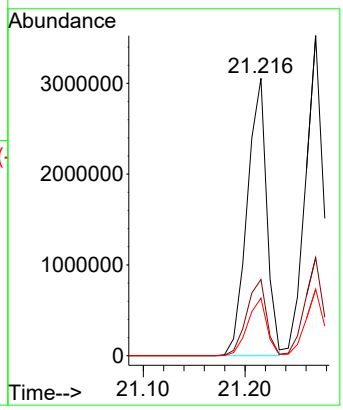


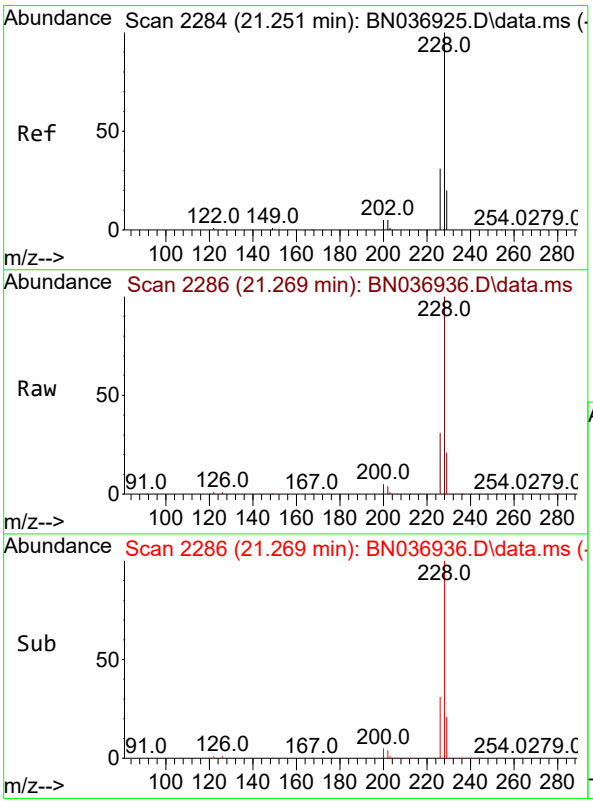
#32
Benzo(a)anthracene
Concen: 181.199 ng
RT: 21.216 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Instrument :
BNA_N
ClientSampleId :
38072-010925

Tgt Ion:228 Resp: 4066087

Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.2	33.4
229	20.8	16.4	24.6

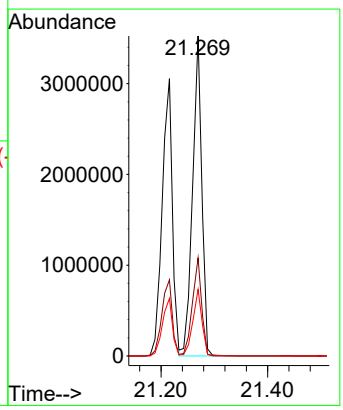


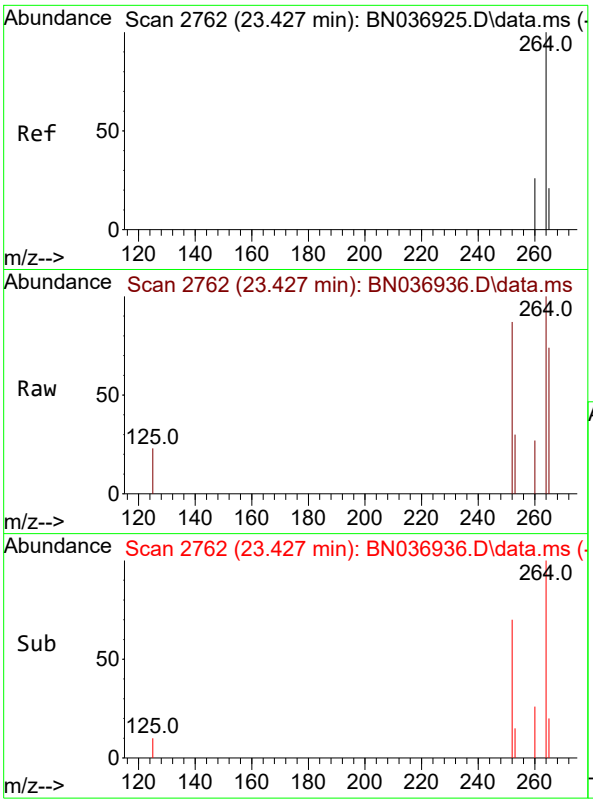


#33
Chrysene
Concen: 176.238 ng
RT: 21.269 min Scan# 2286
Delta R.T. 0.018 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Tgt Ion:228 Resp: 4265016

Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.5	38.3
229	20.8	16.5	24.7



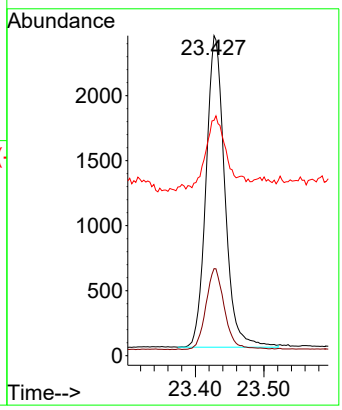


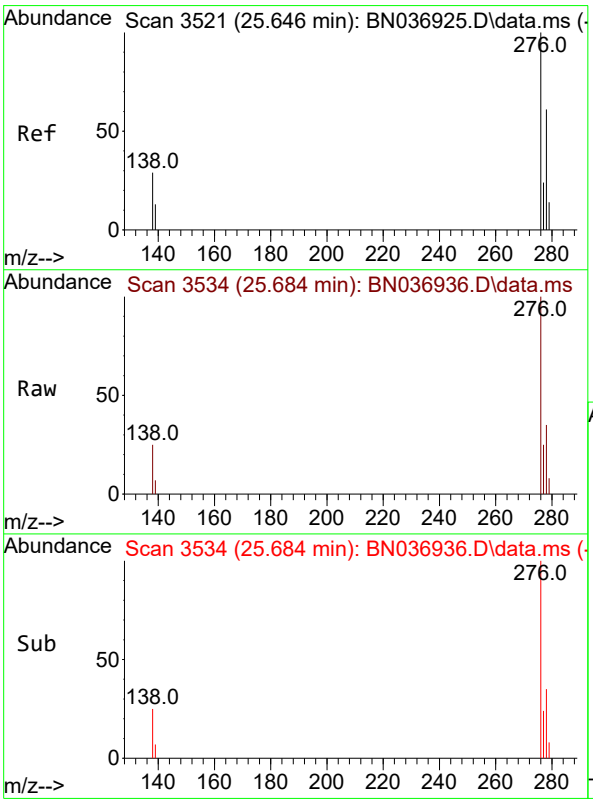
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.427 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Instrument :
BNA_N
ClientSampleId :
38072-010925

Tgt Ion:264 Resp: 4542

Ion	Ratio	Lower	Upper
264	100		
260	27.2	22.2	33.2
265	73.5	65.8	98.6

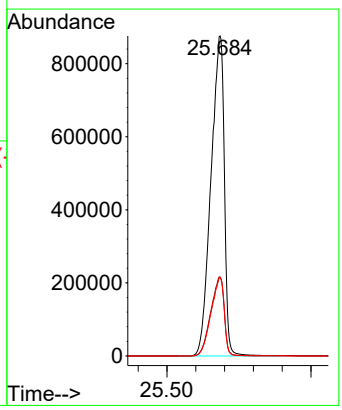


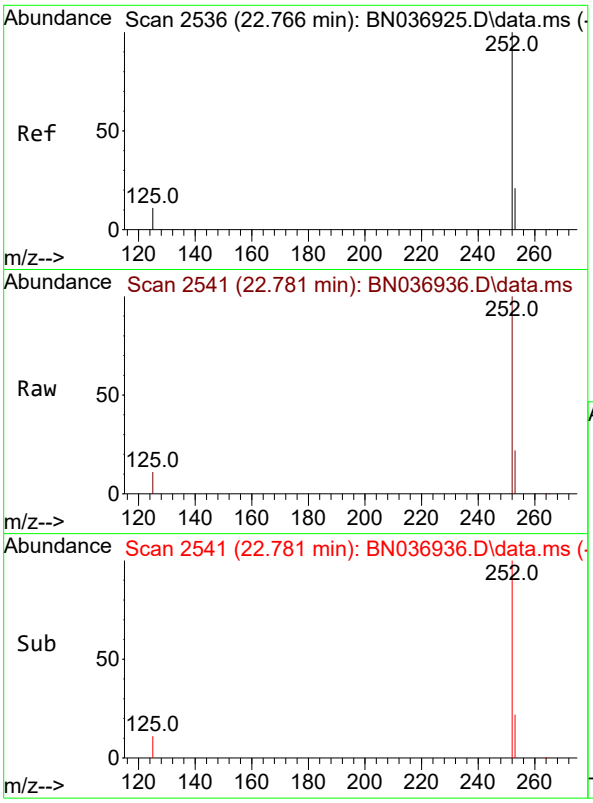


#36
Indeno(1,2,3-cd)pyrene
Concen: 151.786 ng
RT: 25.684 min Scan# 3534
Delta R.T. 0.038 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Tgt Ion:276 Resp: 2815525

Ion	Ratio	Lower	Upper
276	100		
138	24.9	23.0	34.6
277	24.3	20.0	30.0



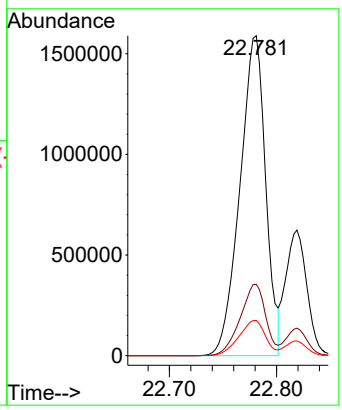


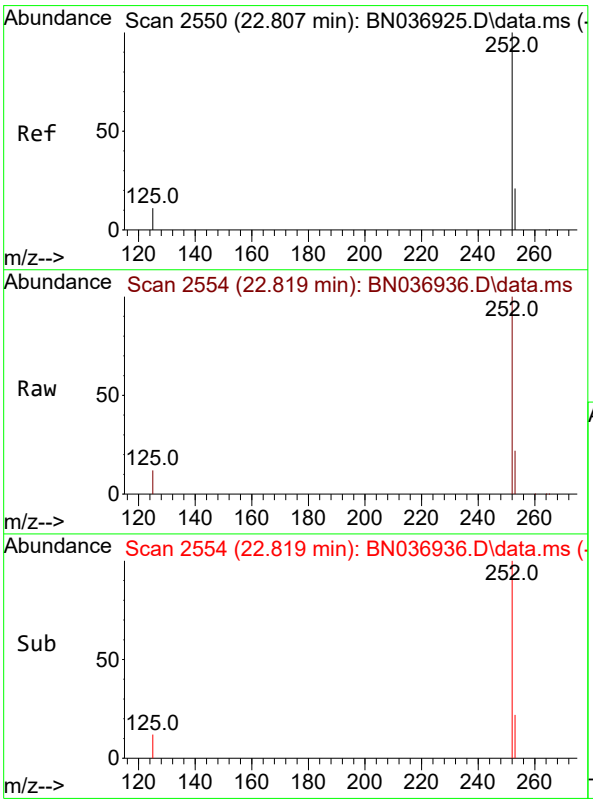
#37
Benzo(b)fluoranthene
Concen: 138.833 ng
RT: 22.781 min Scan# 2
Delta R.T. 0.015 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Instrument :
BNA_N
ClientSampleId :
38072-010925

Tgt Ion:252 Resp: 2651471

Ion	Ratio	Lower	Upper
252	100		
253	22.3	22.1	33.1
125	11.0	14.2	21.2#

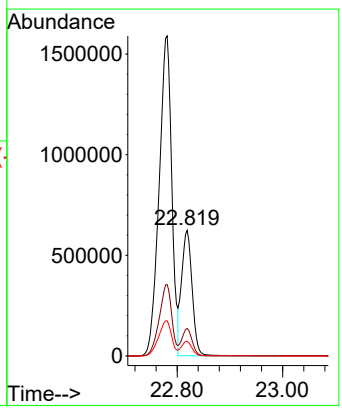


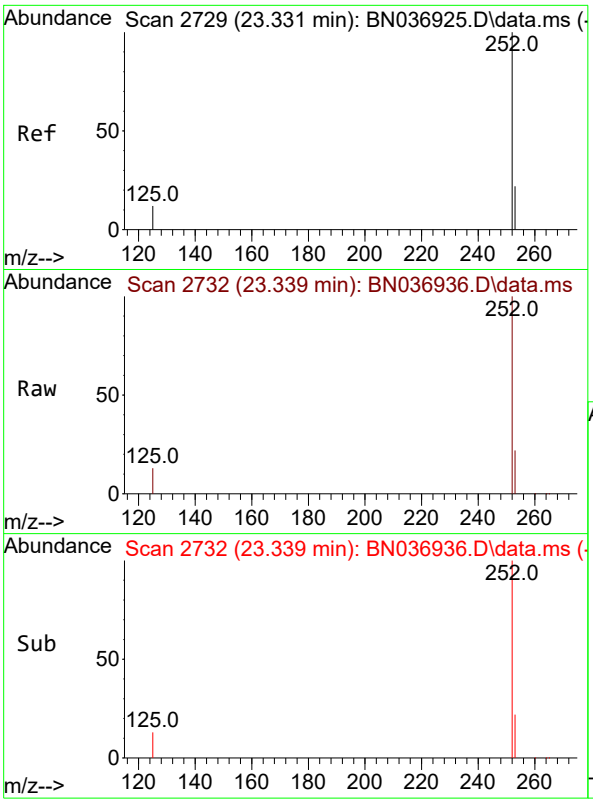


#38
Benzo(k)fluoranthene
Concen: 45.004 ng
RT: 22.819 min Scan# 2554
Delta R.T. 0.012 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Tgt Ion:252 Resp: 864365

Ion	Ratio	Lower	Upper
252	100		
253	21.9	22.8	34.2#
125	11.7	14.2	21.2#



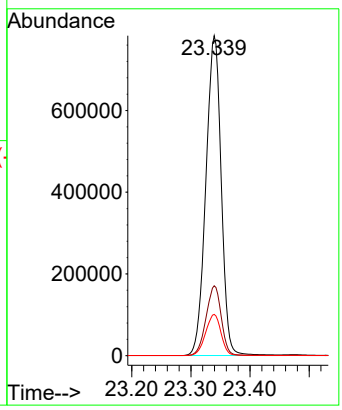


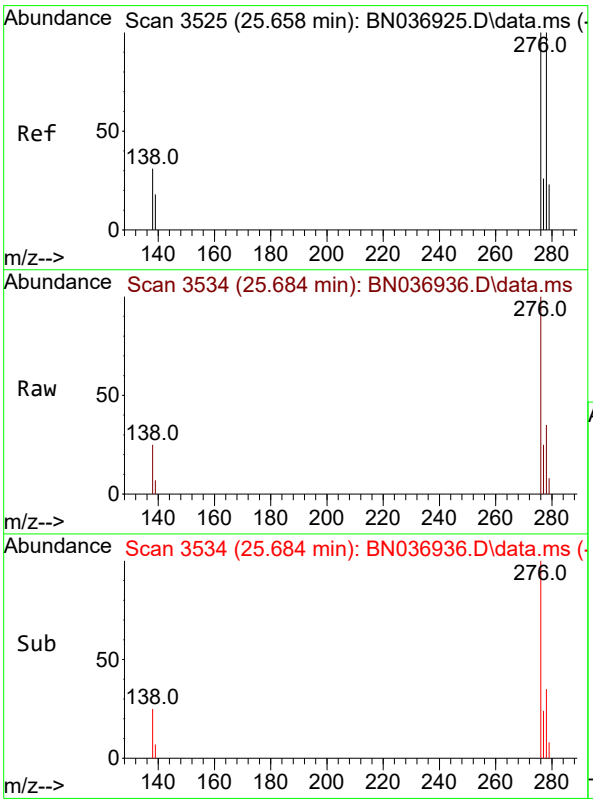
#39
Benzo(a)pyrene
Concen: 89.656 ng
RT: 23.339 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Instrument :
BNA_N
ClientSampleId :
38072-010925

Tgt Ion:252 Resp: 1407542

Ion	Ratio	Lower	Upper
252	100		
253	21.9	25.9	38.9#
125	12.9	17.4	26.0#

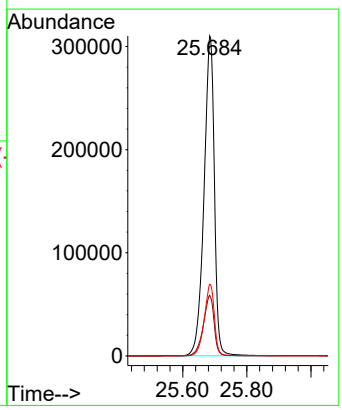


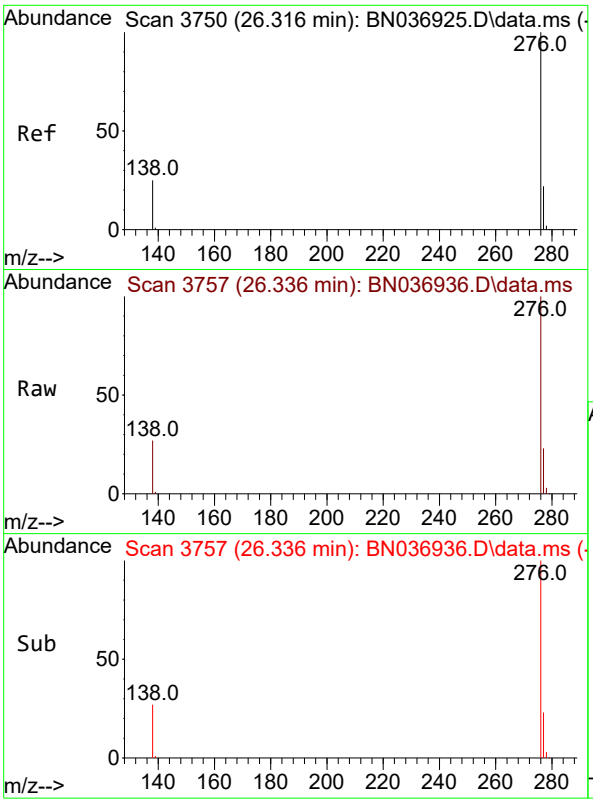


#40
Dibenzo(a,h)anthracene
Concen: 47.928 ng
RT: 25.684 min Scan# 3534
Delta R.T. 0.026 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Tgt Ion:278 Resp: 699662

Ion	Ratio	Lower	Upper
278	100		
139	19.0	17.4	26.2
279	22.4	24.9	37.3#



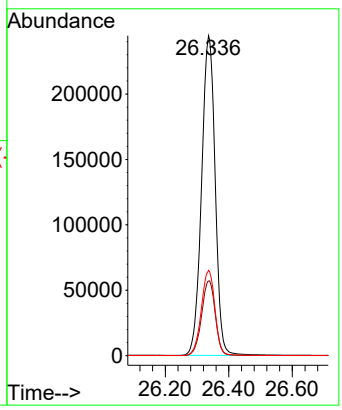


#41
Benzo(g,h,i)perylene
Concen: 44.737 ng
RT: 26.336 min Scan# 3
Delta R.T. 0.020 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Instrument :
BNA_N
ClientSampleId :
38072-010925

Tgt Ion:276 Resp: 724777

Ion	Ratio	Lower	Upper
276	100		
277	23.4	20.2	30.2
138	26.7	21.9	32.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042925\
Data File : BN036937.D
Acq On : 29 Apr 2025 13:41
Operator : RC/JU
Sample : Q1870-01DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
38072-010925DL

Quant Time: Apr 29 14:14:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration

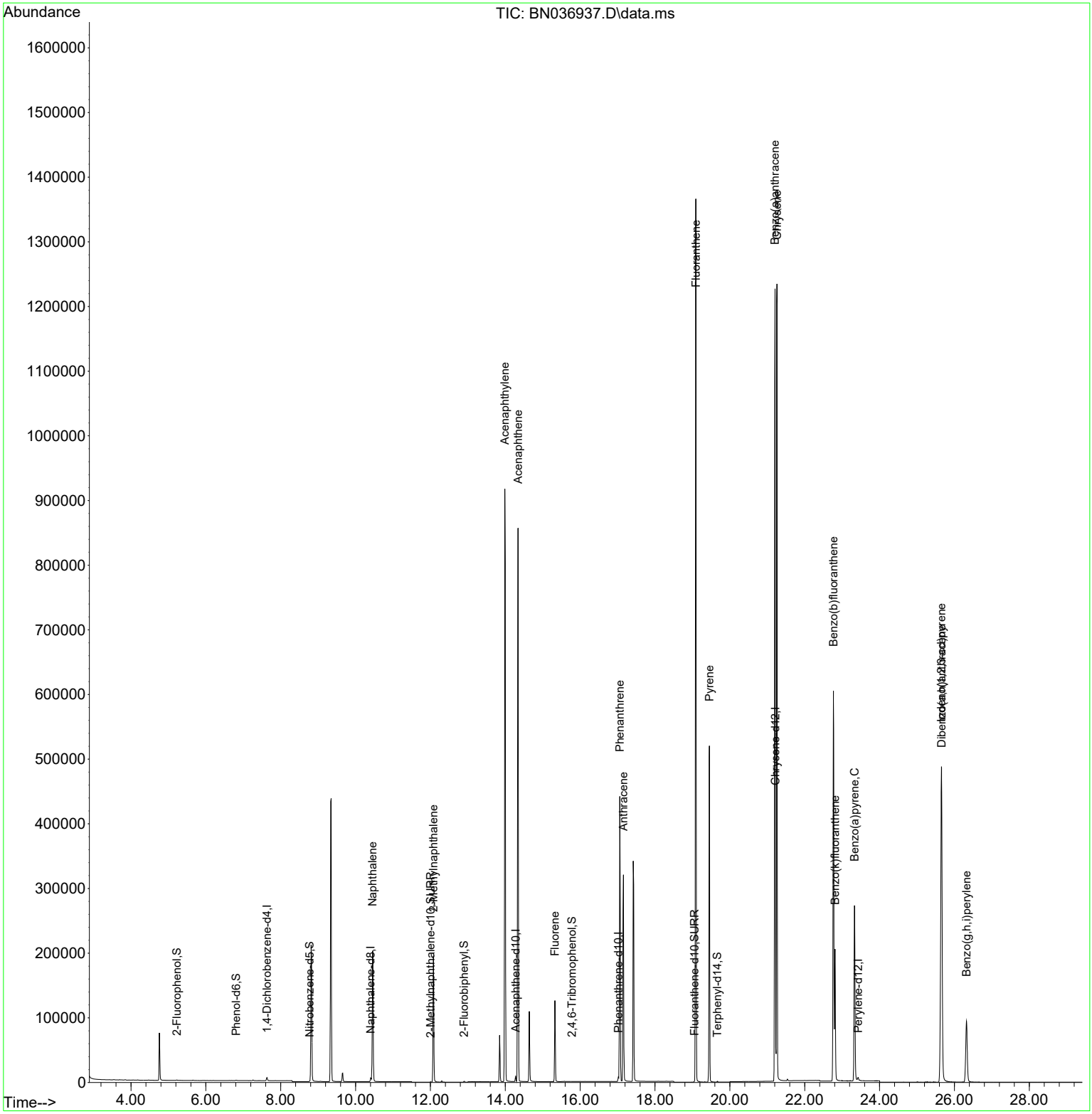
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.633	152	2660	0.400	ng		0.00
7) Naphthalene-d8	10.404	136	7273	0.400	ng		#-0.01
13) Acenaphthene-d10	14.277	164	4170	0.400	ng		0.00
19) Phenanthrene-d10	17.021	188	7996	0.400	ng		0.00
29) Chrysene-d12	21.216	240	7787	0.400	ng		0.00
35) Perylene-d12	23.427	264	5957	0.400	ng		# 0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.228	112	484	0.071	ng		0.00
5) Phenol-d6	6.809	99	596	0.071	ng		0.00
8) Nitrobenzene-d5	8.771	82	638	0.084	ng		-0.01
11) 2-Methylnaphthalene-d10	12.006	152	840	0.083	ng		0.00
14) 2,4,6-Tribromophenol	15.780	330	80	0.043	ng		0.01
15) 2-Fluorobiphenyl	12.899	172	1634	0.081	ng		0.00
27) Fluoranthene-d10	19.059	212	1819	0.088	ng		0.00
31) Terphenyl-d14	19.667	244	1294	0.070	ng		0.00
Target Compounds							Qvalue
9) Naphthalene	10.458	128	245146	11.581	ng		97
12) 2-Methylnaphthalene	12.082	142	135057	9.870	ng		97
16) Acenaphthylene	13.989	152	983461	48.255	ng		99
17) Acenaphthene	14.342	154	392189	29.289	ng		97
18) Fluorene	15.325	166	71886	4.105	ng		99
25) Phenanthrene	17.058	178	419564	15.898	ng		100
26) Anthracene	17.158	178	344832	14.445	ng		100
28) Fluoranthene	19.091	202	1164278	39.363	ng		99
30) Pyrene	19.454	202	435369	11.609	ng		99
32) Benzo(a)anthracene	21.207	228	1030872	35.945	ng		99
33) Chrysene	21.260	228	1043139	33.727	ng		97
36) Indeno(1,2,3-cd)pyrene	25.652	276	739011	30.377	ng		97
37) Benzo(b)fluoranthene	22.766	252	710014	28.346	ng	#	88
38) Benzo(k)fluoranthene	22.810	252	229443	9.109	ng	#	87
39) Benzo(a)pyrene	23.331	252	364004	17.678	ng	#	81
40) Dibenzo(a,h)anthracene	25.661	278	178329	9.314	ng	#	90
41) Benzo(g,h,i)perylene	26.322	276	179719	8.458	ng		98

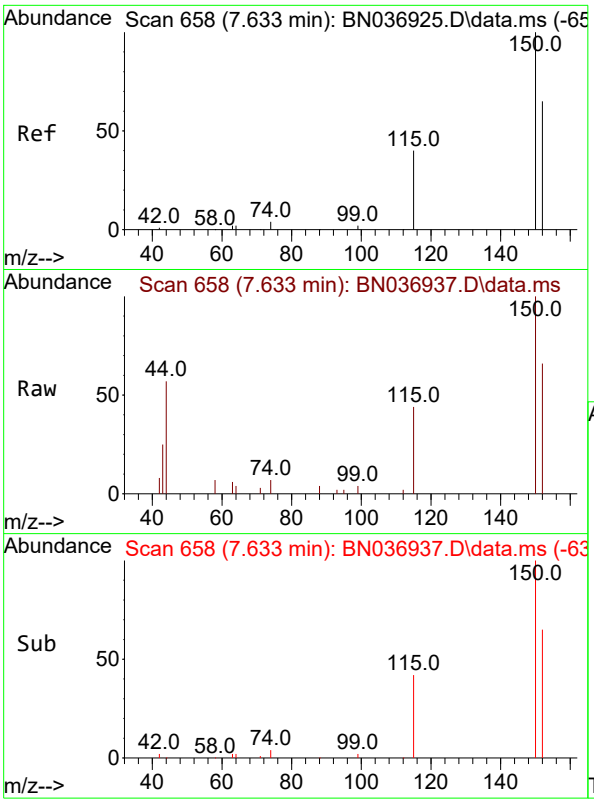
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042925\
Data File : BN036937.D
Acq On : 29 Apr 2025 13:41
Operator : RC/JU
Sample : Q1870-01DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
38072-010925DL

Quant Time: Apr 29 14:14:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration



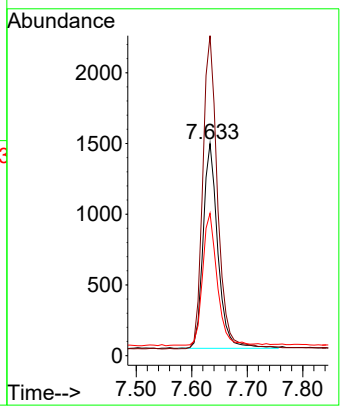


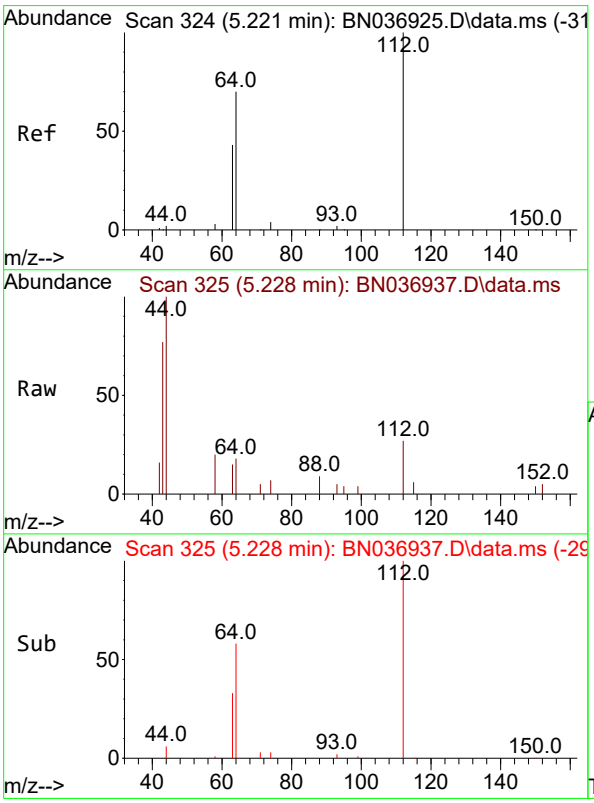
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.633 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
38072-010925DL

Tgt Ion:152 Resp: 2660

Ion	Ratio	Lower	Upper
152	100		
150	150.8	121.1	181.7
115	67.1	51.8	77.6

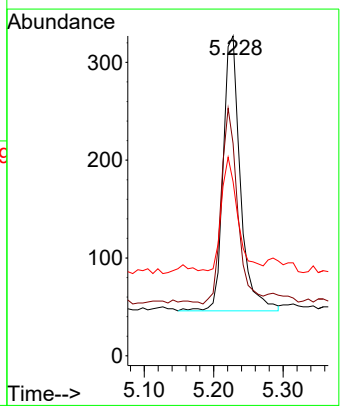


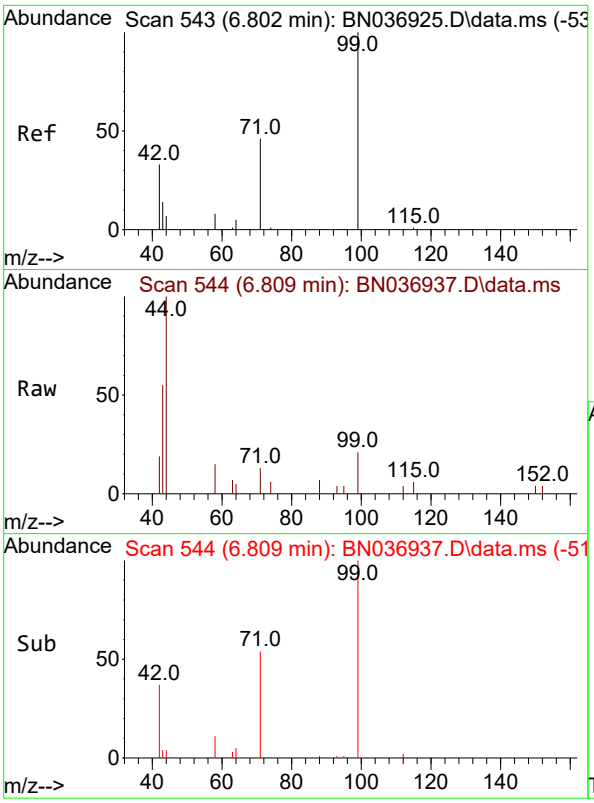


#4
2-Fluorophenol
Concen: 0.071 ng
RT: 5.228 min Scan# 325
Delta R.T. 0.007 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Tgt Ion:112 Resp: 484

Ion	Ratio	Lower	Upper
112	100		
64	68.4	55.7	83.5
63	42.4	33.9	50.9



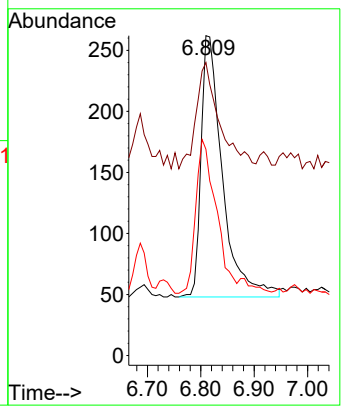


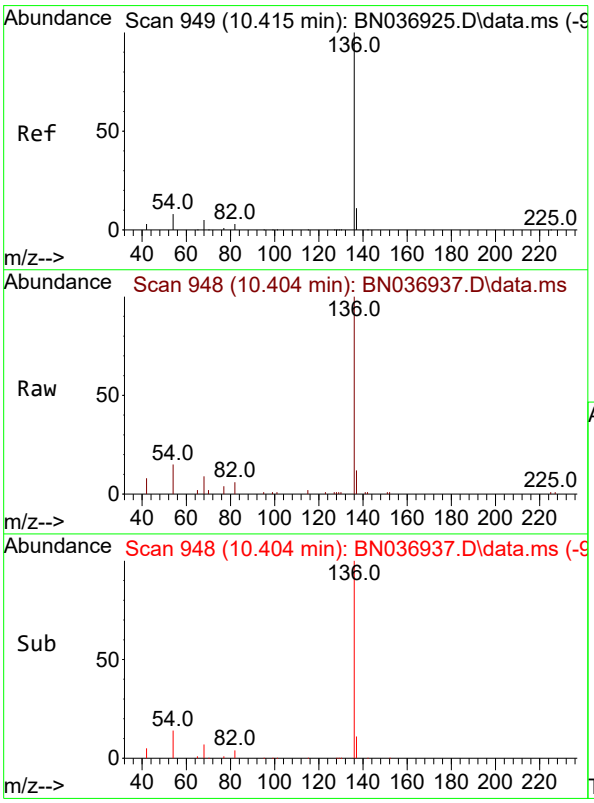
#5
Phenol-d6
Concen: 0.071 ng
RT: 6.809 min Scan# 54
Delta R.T. 0.007 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
38072-010925DL

Tgt Ion: 99 Resp: 596

Ion	Ratio	Lower	Upper
99	100		
42	44.6	29.6	44.4#
71	56.0	36.0	54.0#

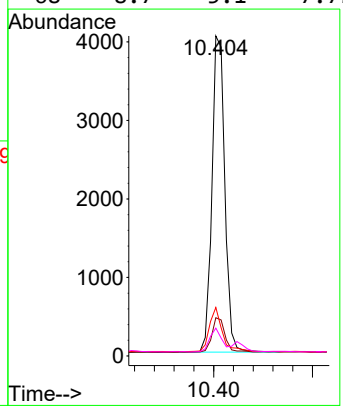


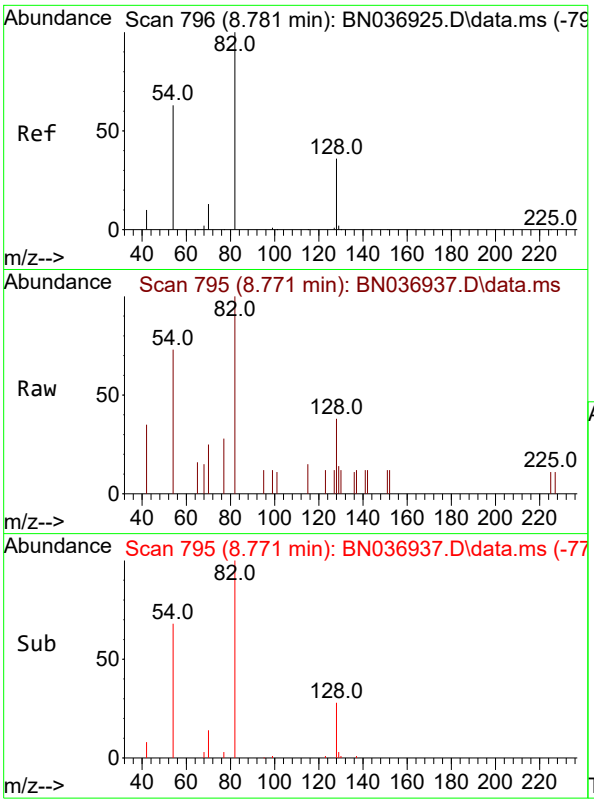


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.011 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Tgt Ion:136 Resp: 7273

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.7	14.5
54	15.1	8.0	12.0#
68	8.7	5.1	7.7#



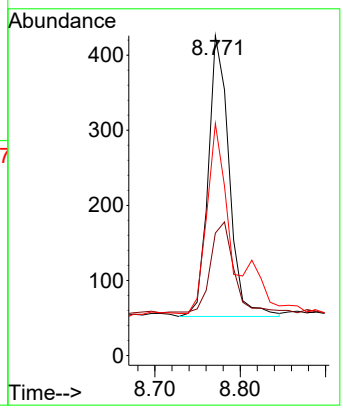


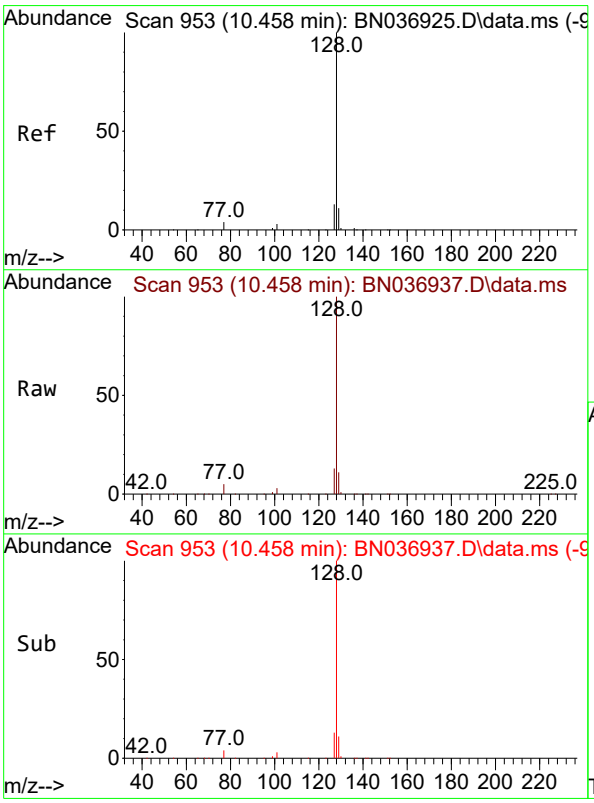
#8
Nitrobenzene-d5
Concen: 0.084 ng
RT: 8.771 min Scan# 7
Delta R.T. -0.011 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
38072-010925DL

Tgt Ion: 82 Resp: 638

Ion	Ratio	Lower	Upper
82	100		
128	38.3	30.7	46.1
54	72.5	52.1	78.1

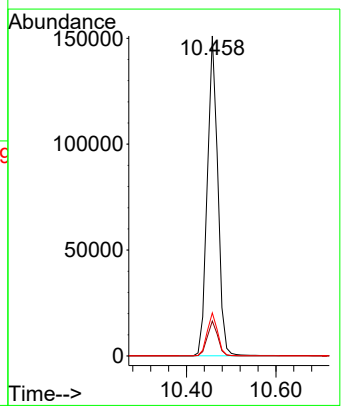


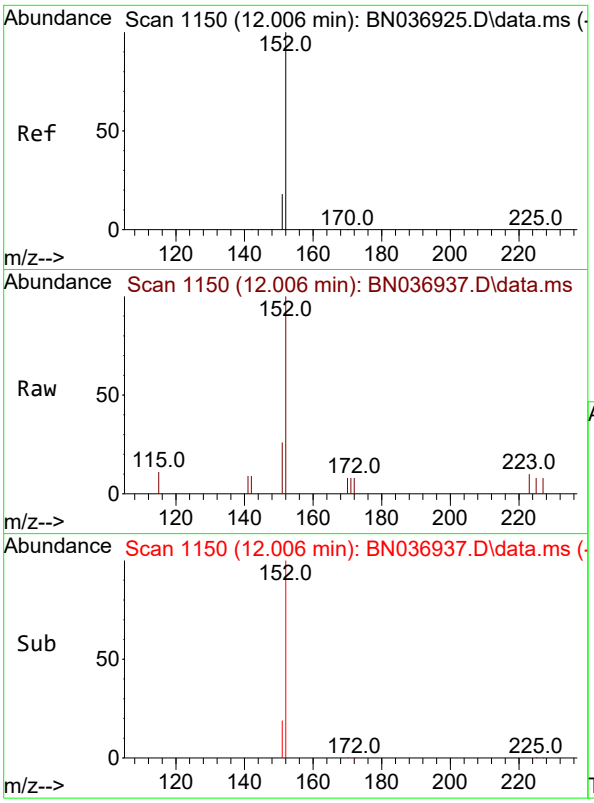


#9
Naphthalene
Concen: 11.581 ng
RT: 10.458 min Scan# 953
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Tgt Ion:128 Resp: 245146

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.8	14.6
127	13.5	11.4	17.2



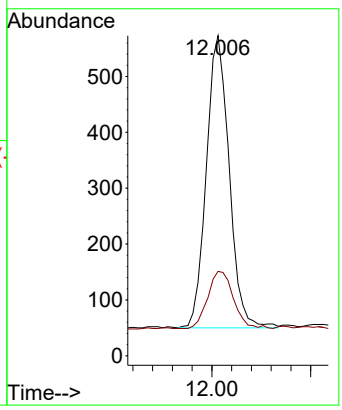


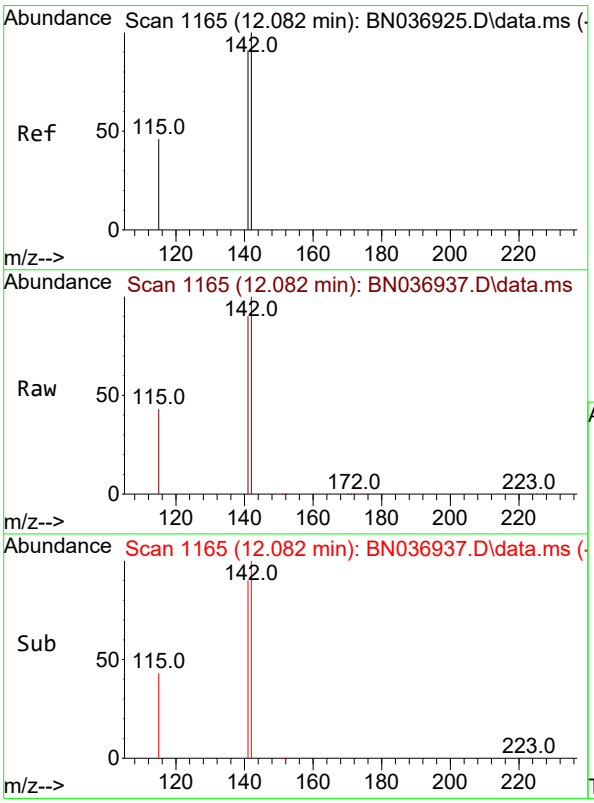
#11
2-Methylnaphthalene-d10
Concen: 0.083 ng
RT: 12.006 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
38072-010925DL

Tgt Ion:152 Resp: 840

Ion	Ratio	Lower	Upper
152	100		
151	21.9	16.9	25.3

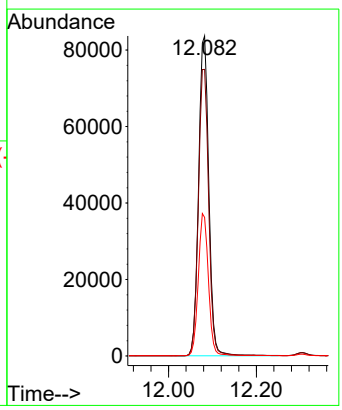


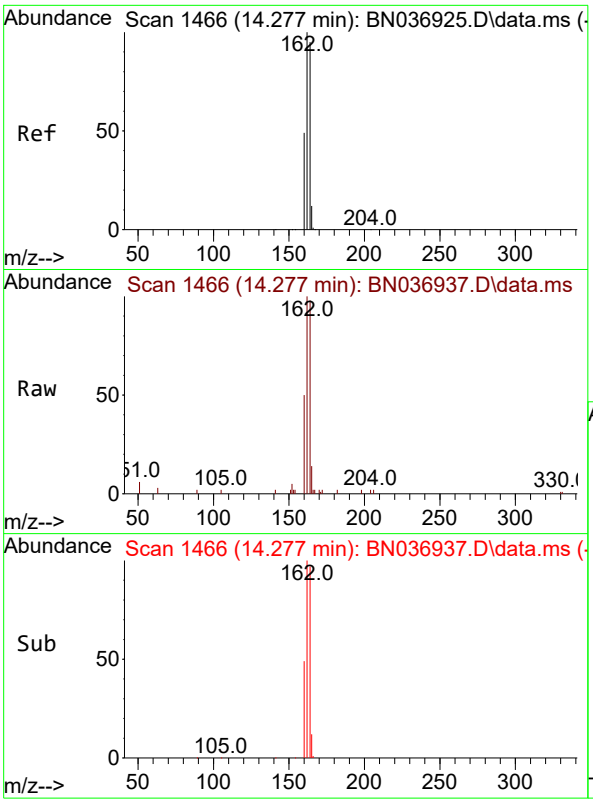


#12
2-Methylnaphthalene
Concen: 9.870 ng
RT: 12.082 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Tgt Ion:142 Resp: 135057

Ion	Ratio	Lower	Upper
142	100		
141	89.5	72.8	109.2
115	43.3	38.2	57.4



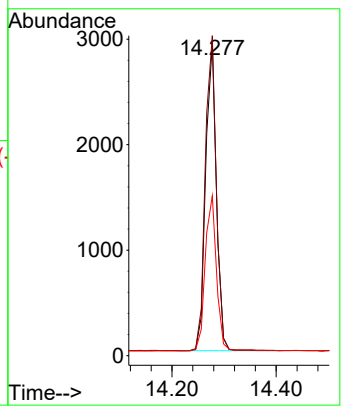


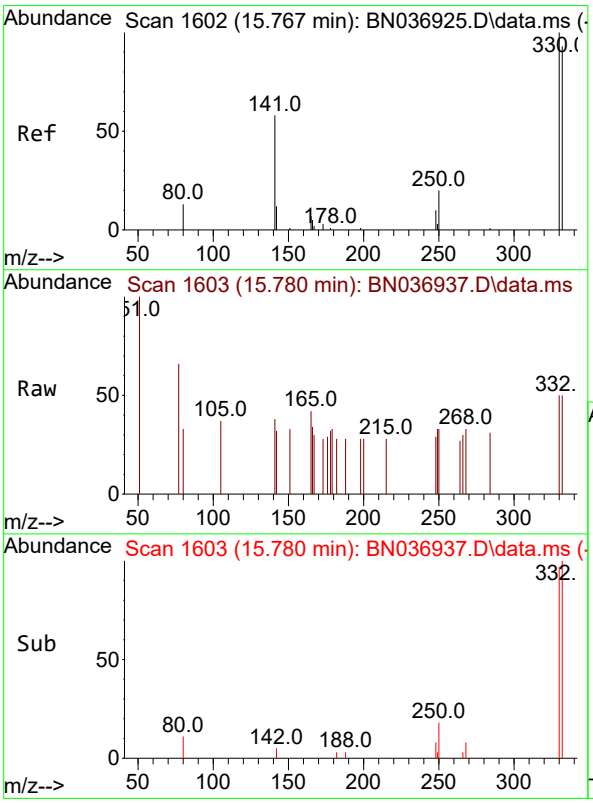
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
38072-010925DL

Tgt Ion:164 Resp: 4170

Ion	Ratio	Lower	Upper
164	100		
162	102.5	83.8	125.8
160	51.2	42.0	63.0

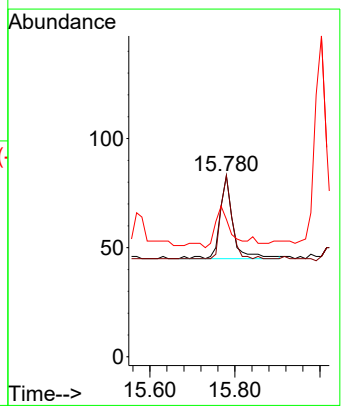


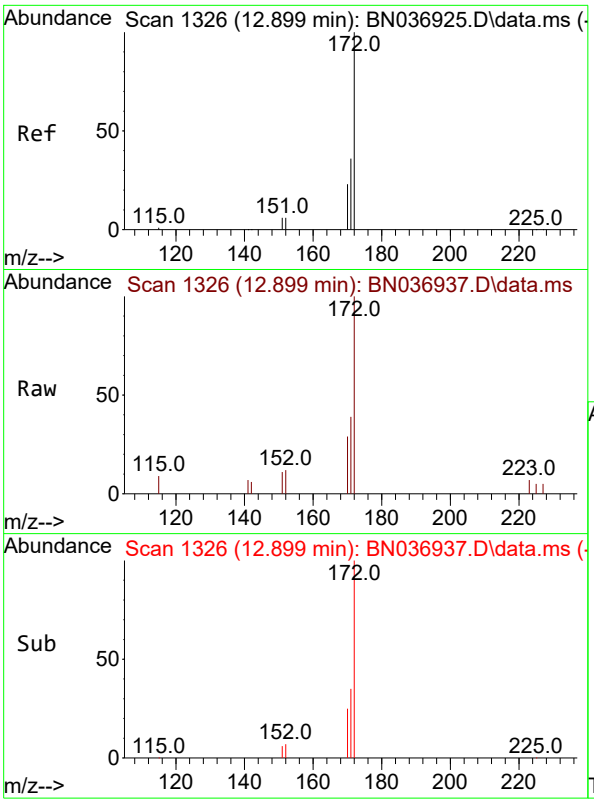


#14
2,4,6-Tribromophenol
Concen: 0.043 ng
RT: 15.780 min Scan# 1603
Delta R.T. 0.012 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Tgt Ion:330 Resp: 80

Ion	Ratio	Lower	Upper
330	100		
332	86.3	76.3	114.5
141	55.0	45.4	68.2



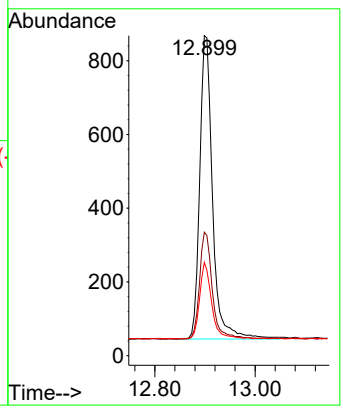


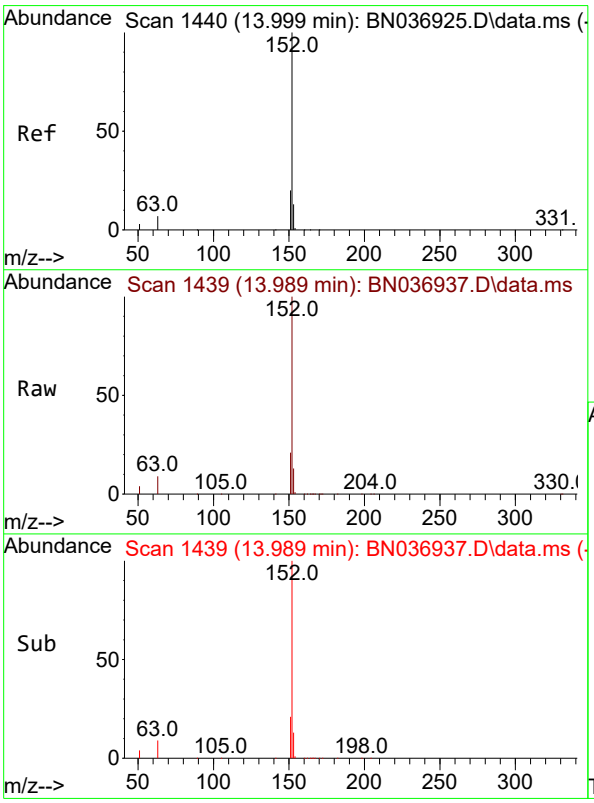
#15
2-Fluorobiphenyl
Concen: 0.081 ng
RT: 12.899 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
38072-010925DL

Tgt Ion:172 Resp: 1634

Ion	Ratio	Lower	Upper
172	100		
171	38.6	29.4	44.0
170	29.1	19.4	29.0#

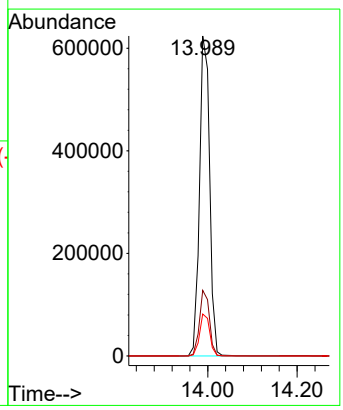


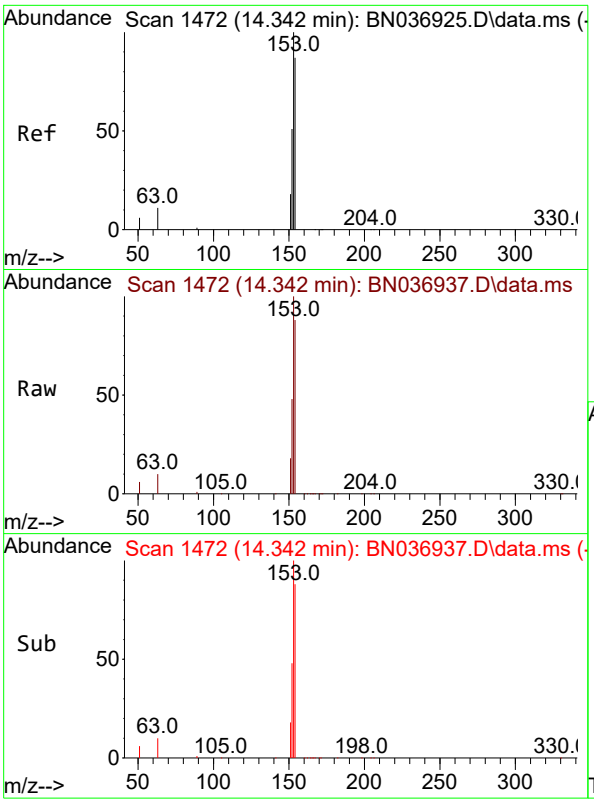


#16
Acenaphthylene
Concen: 48.255 ng
RT: 13.989 min Scan# 1439
Delta R.T. -0.011 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Tgt Ion:152 Resp: 983461

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.0	24.0
153	13.1	10.2	15.2



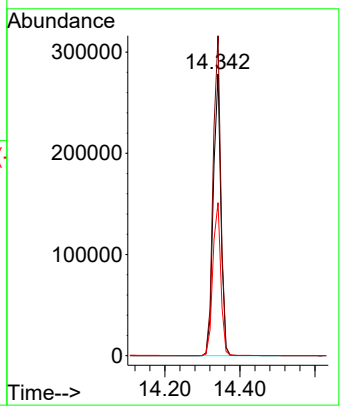


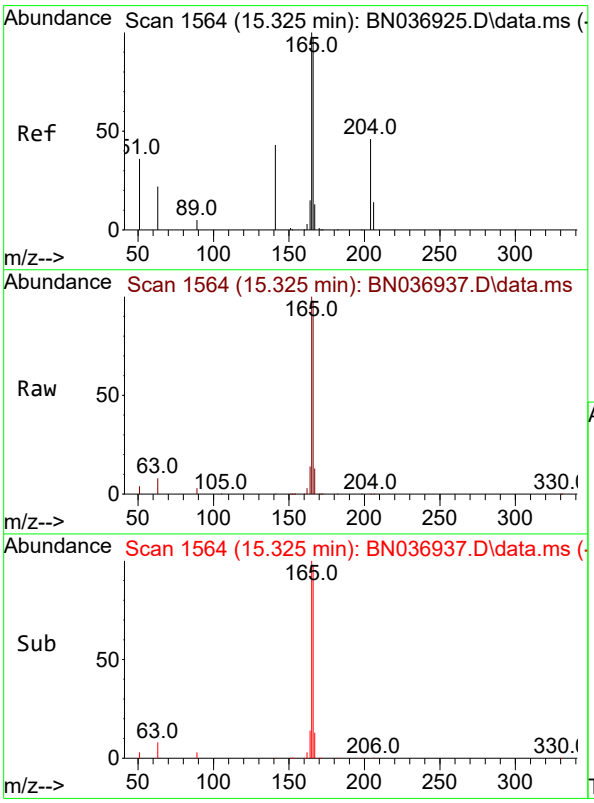
#17
Acenaphthene
Concen: 29.289 ng
RT: 14.342 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
38072-010925DL

Tgt Ion:154 Resp: 392189

Ion	Ratio	Lower	Upper
154	100		
153	115.3	93.4	140.2
152	56.6	49.5	74.3

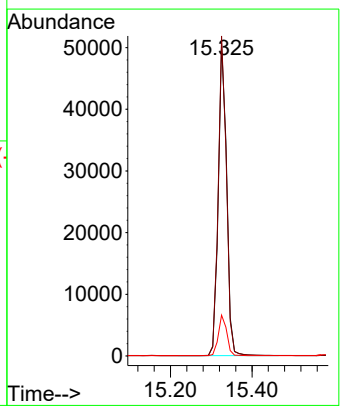


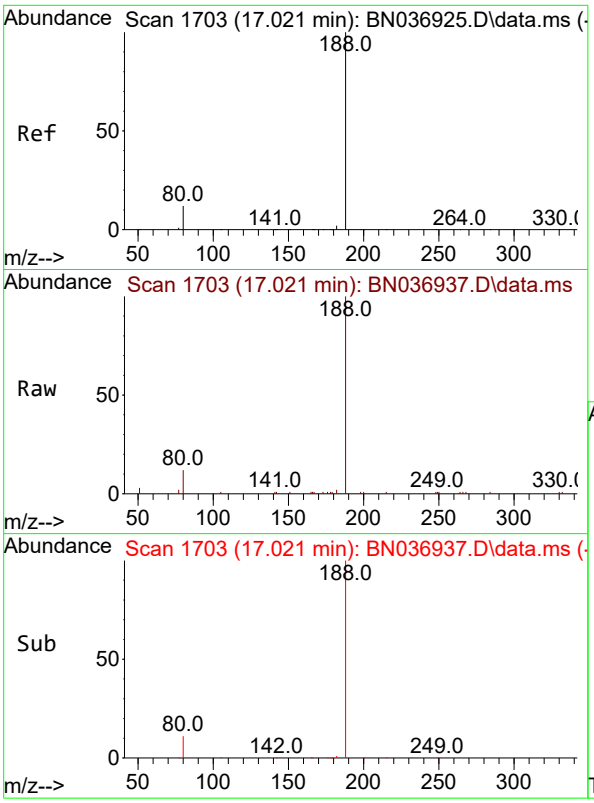


#18
Fluorene
Concen: 4.105 ng
RT: 15.325 min Scan# 1564
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Tgt Ion:166 Resp: 71886

Ion	Ratio	Lower	Upper
166	100		
165	100.5	80.8	121.2
167	13.1	10.8	16.2



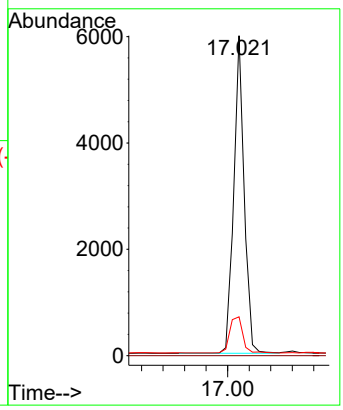


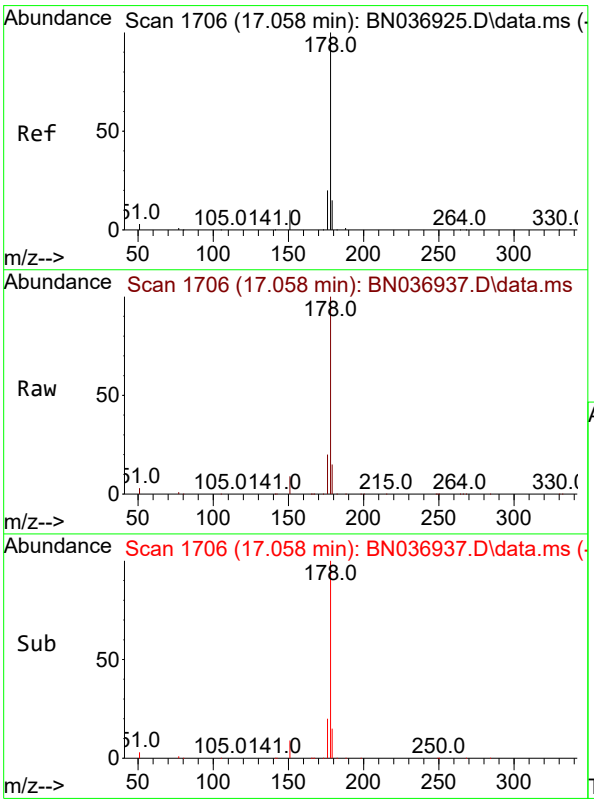
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.021 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
38072-010925DL

Tgt Ion:188 Resp: 7996

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.2	10.7	16.1

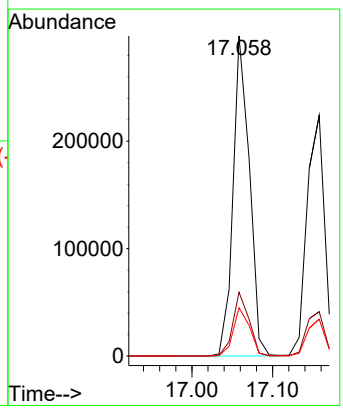


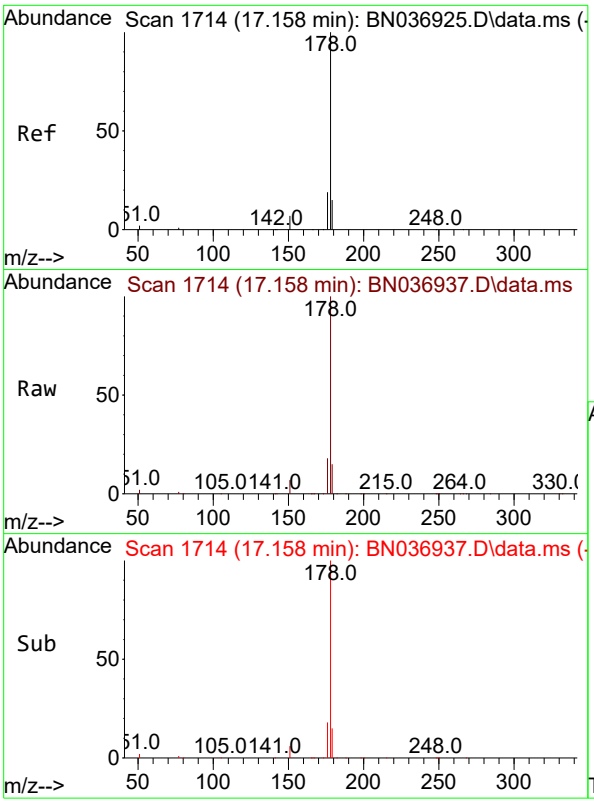


#25
Phenanthrene
Concen: 15.898 ng
RT: 17.058 min Scan# 1706
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Tgt Ion:178 Resp: 419564

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.7	23.5
179	15.2	12.4	18.6



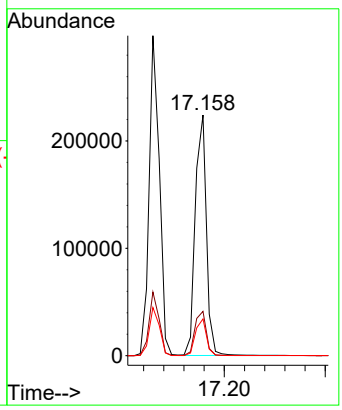


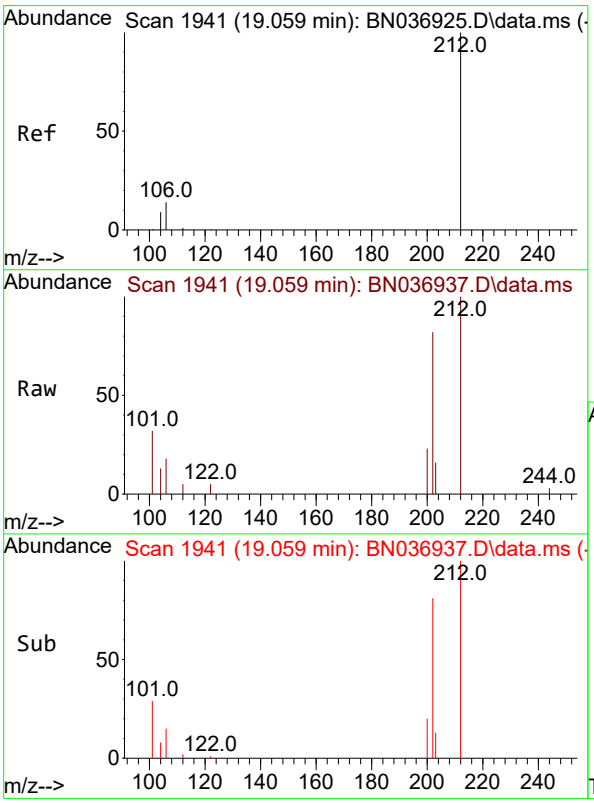
#26
Anthracene
Concen: 14.445 ng
RT: 17.158 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
38072-010925DL

Tgt Ion:178 Resp: 344832

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.1	12.1	18.1

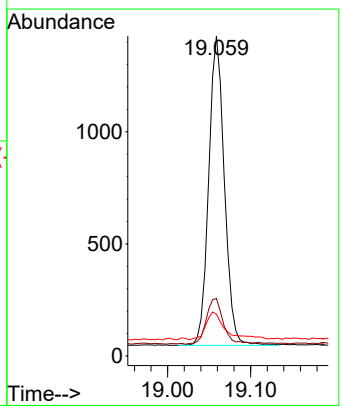


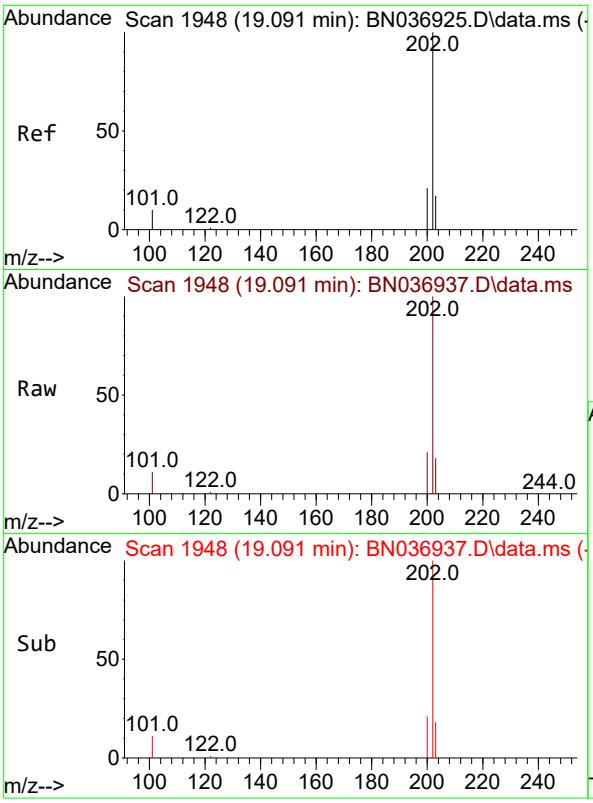


#27
Fluoranthene-d10
Concen: 0.088 ng
RT: 19.059 min Scan# 1941
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Tgt Ion:212 Resp: 1819

Ion	Ratio	Lower	Upper
212	100		
106	15.9	11.6	17.4
104	11.4	7.0	10.4#



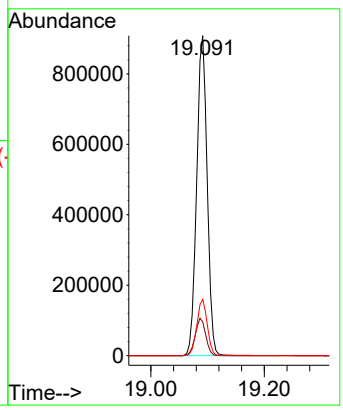


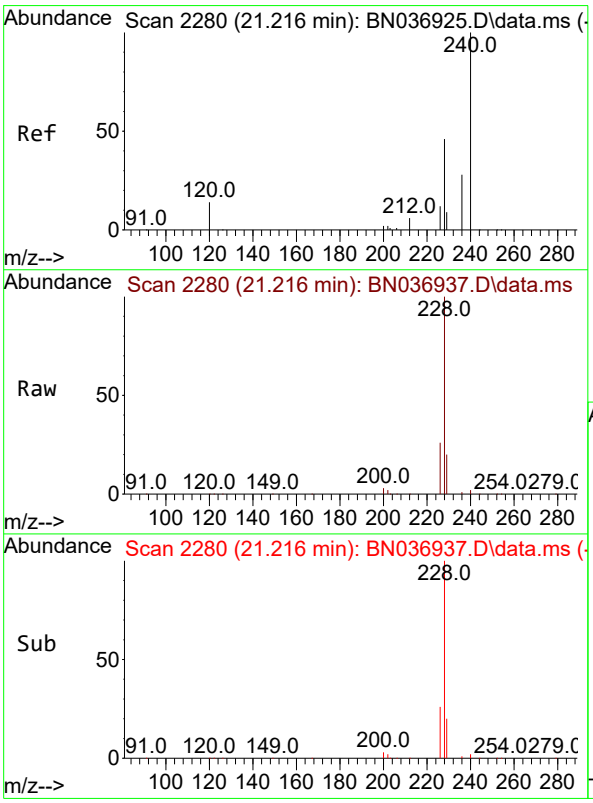
#28
Fluoranthene
Concen: 39.363 ng
RT: 19.091 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
38072-010925DL

Tgt Ion:202 Resp: 1164278

Ion	Ratio	Lower	Upper
202	100		
101	11.6	8.5	12.7
203	17.4	13.7	20.5

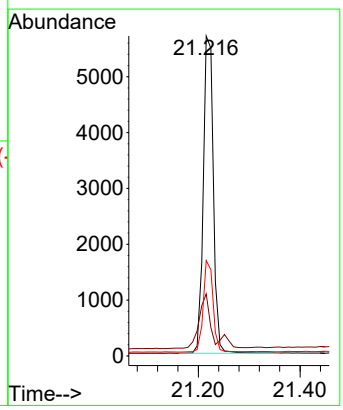


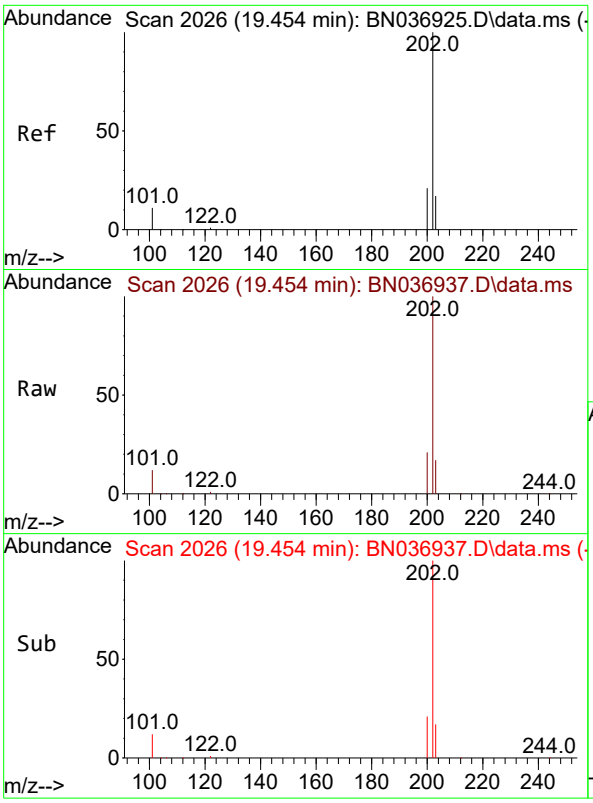


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.216 min Scan# 2280
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Tgt Ion:240 Resp: 7787

Ion	Ratio	Lower	Upper
240	100		
120	19.4	14.1	21.1
236	29.8	23.8	35.8



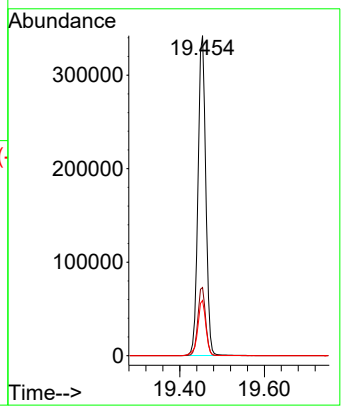


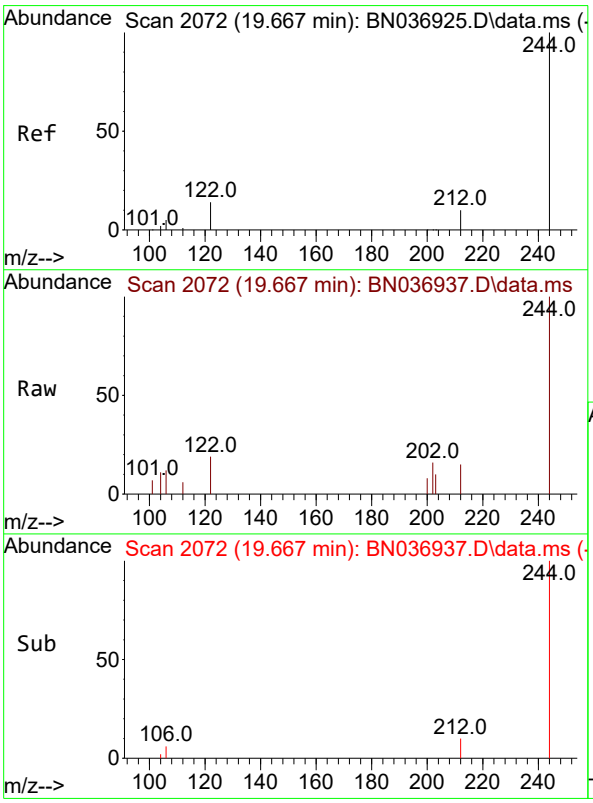
#30
Pyrene
Concen: 11.609 ng
RT: 19.454 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
38072-010925DL

Tgt Ion:202 Resp: 435369

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.6
203	18.1	14.0	21.0

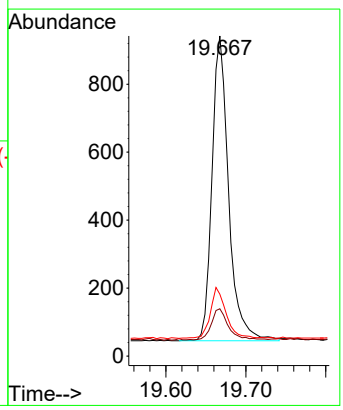


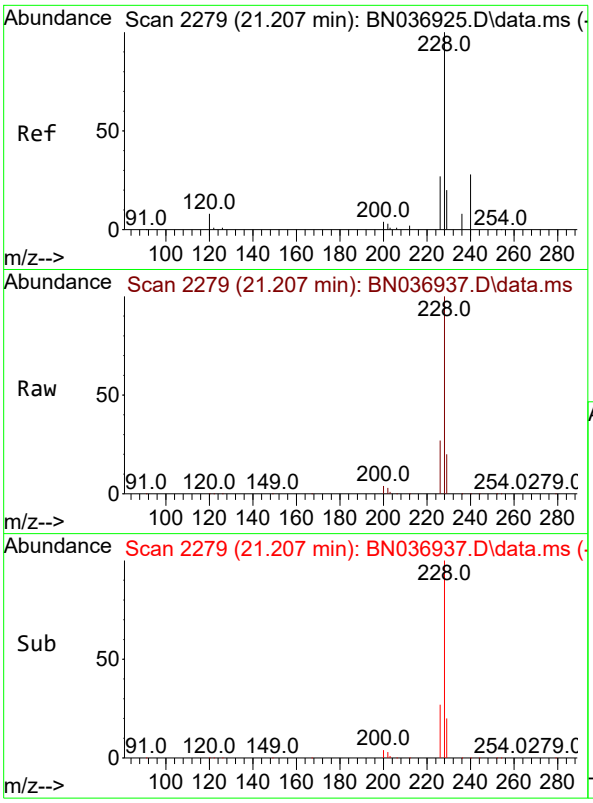


#31
Terphenyl-d14
Concen: 0.070 ng
RT: 19.667 min Scan# 2072
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Tgt Ion:244 Resp: 1294

Ion	Ratio	Lower	Upper
244	100		
212	14.8	9.6	14.4#
122	19.3	12.7	19.1#



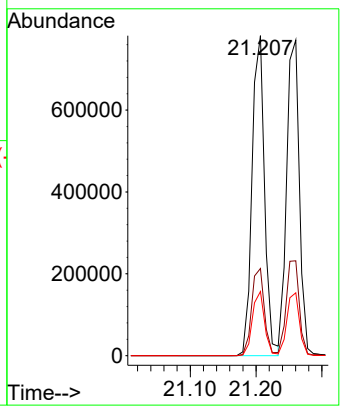


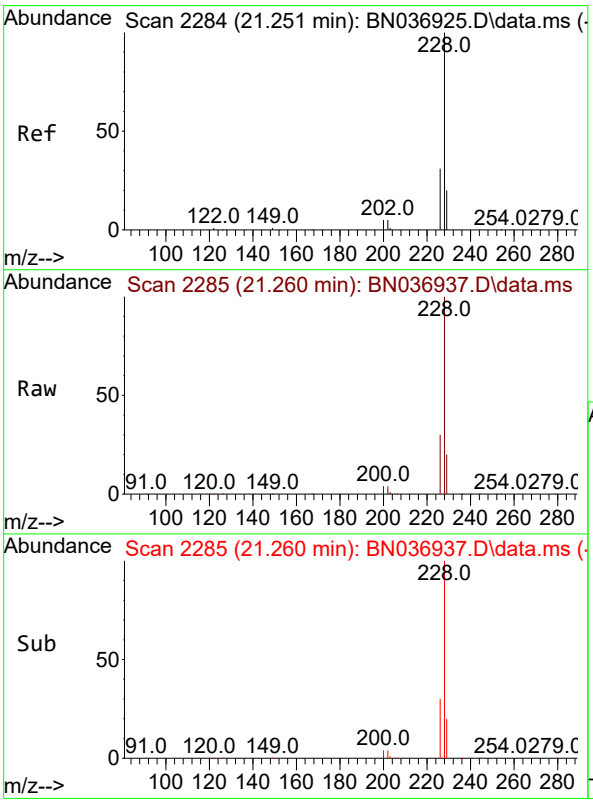
#32
Benzo(a)anthracene
Concen: 35.945 ng
RT: 21.207 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
38072-010925DL

Tgt Ion:228 Resp: 1030872

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.2	33.4
229	20.0	16.4	24.6

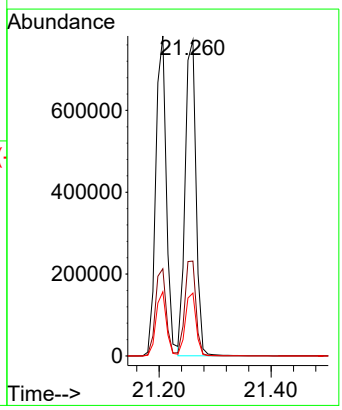


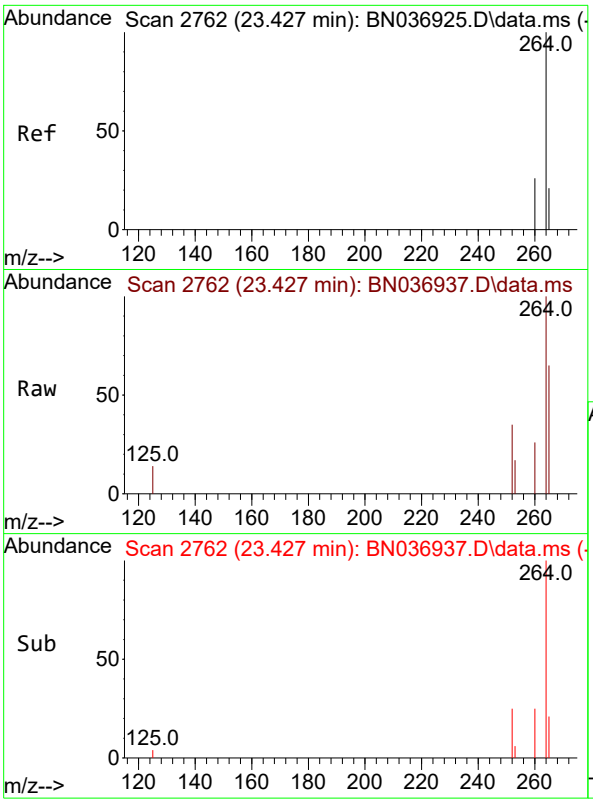


#33
Chrysene
Concen: 33.727 ng
RT: 21.260 min Scan# 2285
Delta R.T. 0.009 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Tgt Ion:228 Resp: 1043139

Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.5	38.3
229	19.9	16.5	24.7



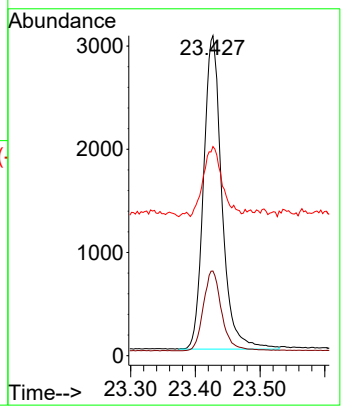


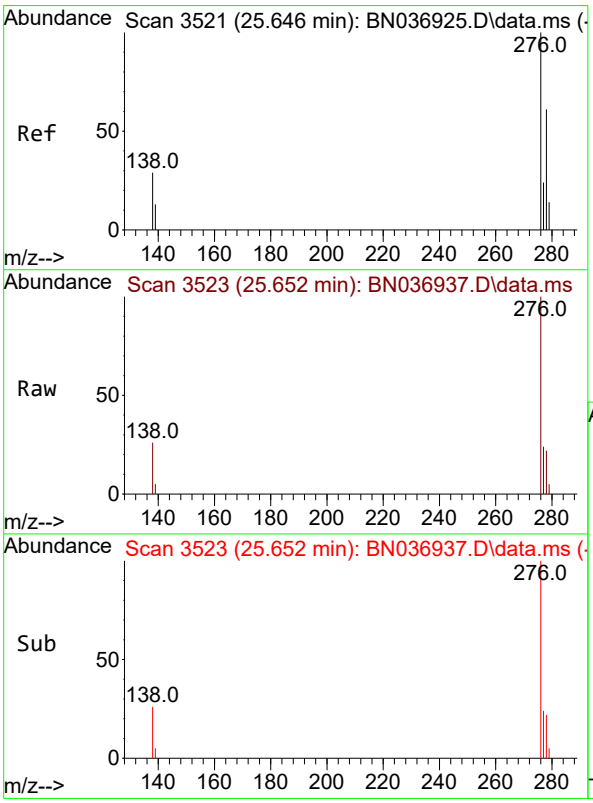
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.427 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
38072-010925DL

Tgt Ion:264 Resp: 5957

Ion	Ratio	Lower	Upper
264	100		
260	26.5	22.2	33.2
265	65.4	65.8	98.6#

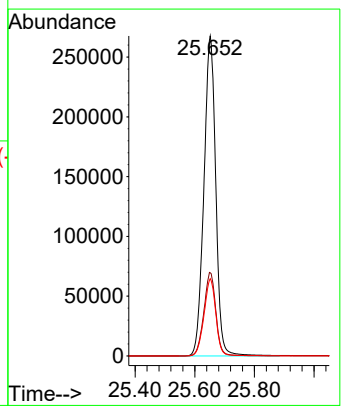


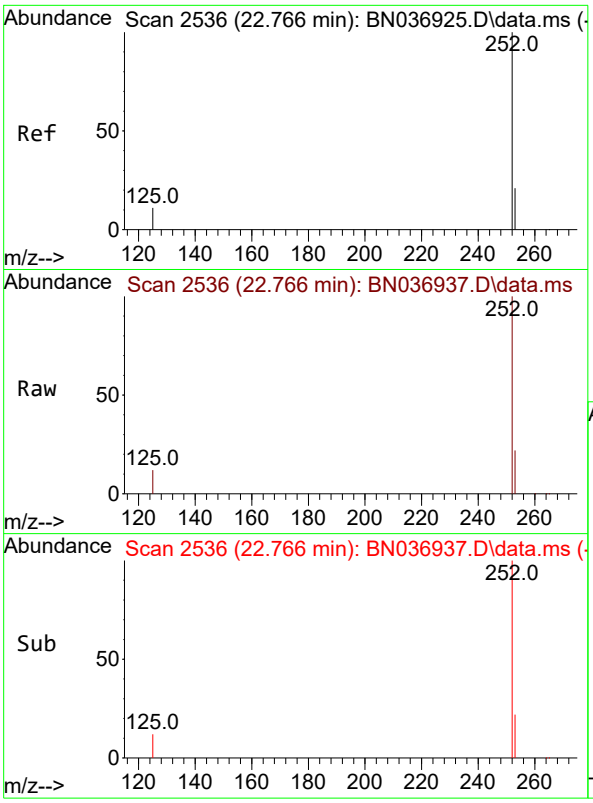


#36
Indeno(1,2,3-cd)pyrene
Concen: 30.377 ng
RT: 25.652 min Scan# 3523
Delta R.T. 0.006 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Tgt Ion:276 Resp: 739011

Ion	Ratio	Lower	Upper
276	100		
138	26.4	23.0	34.6
277	24.0	20.0	30.0



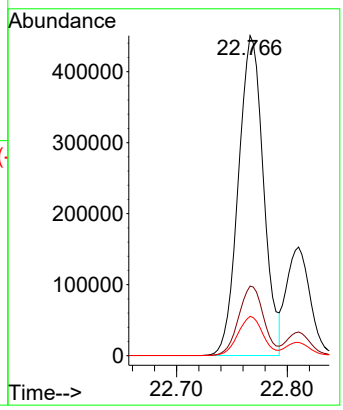


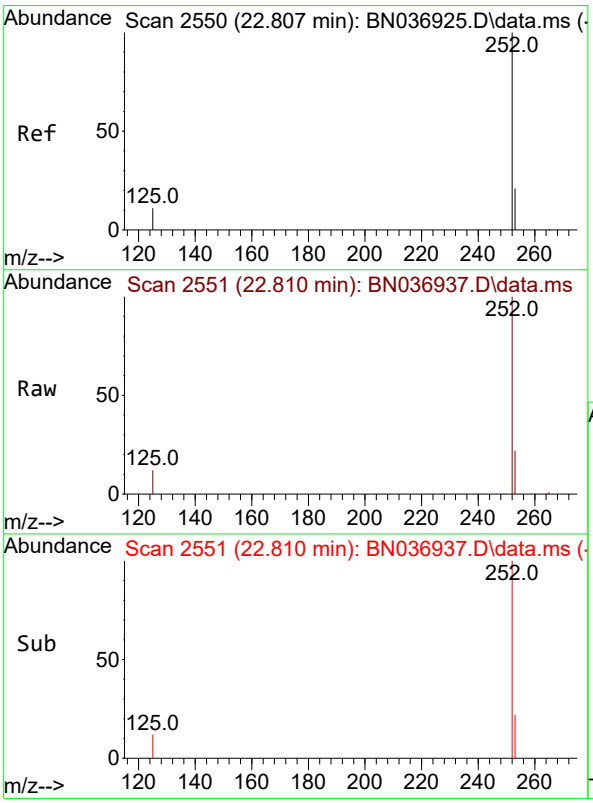
#37
Benzo(b)fluoranthene
Concen: 28.346 ng
RT: 22.766 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
38072-010925DL

Tgt Ion:252 Resp: 710014

Ion	Ratio	Lower	Upper
252	100		
253	21.8	22.1	33.1#
125	12.3	14.2	21.2#

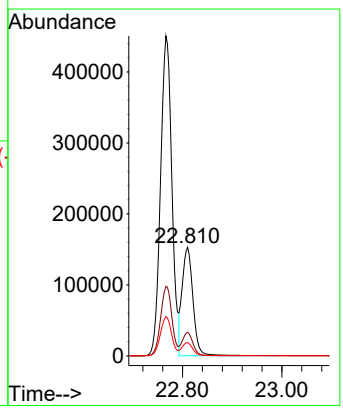


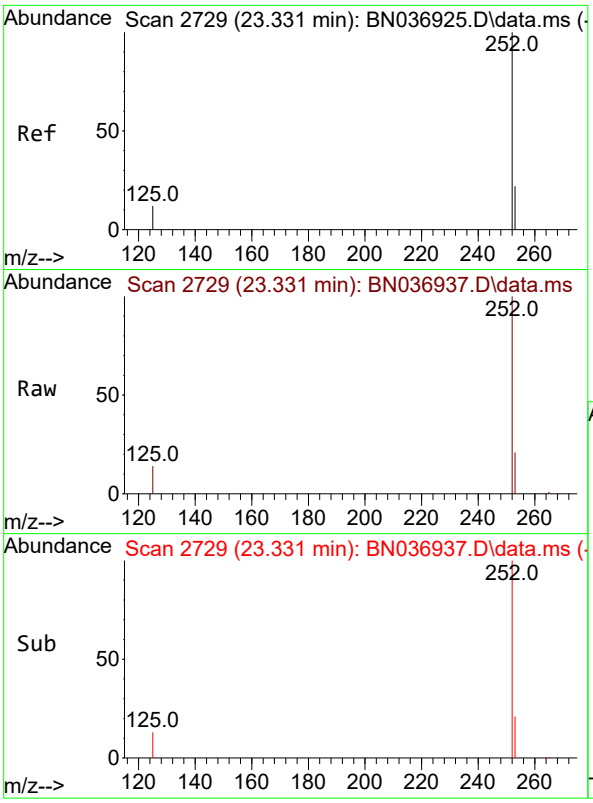


#38
Benzo(k)fluoranthene
Concen: 9.109 ng
RT: 22.810 min Scan# 2551
Delta R.T. 0.003 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Tgt Ion:252 Resp: 229443

Ion	Ratio	Lower	Upper
252	100		
253	21.8	22.8	34.2#
125	12.3	14.2	21.2#



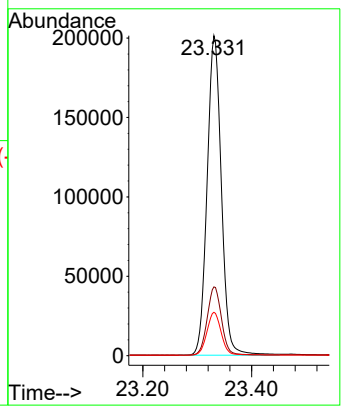


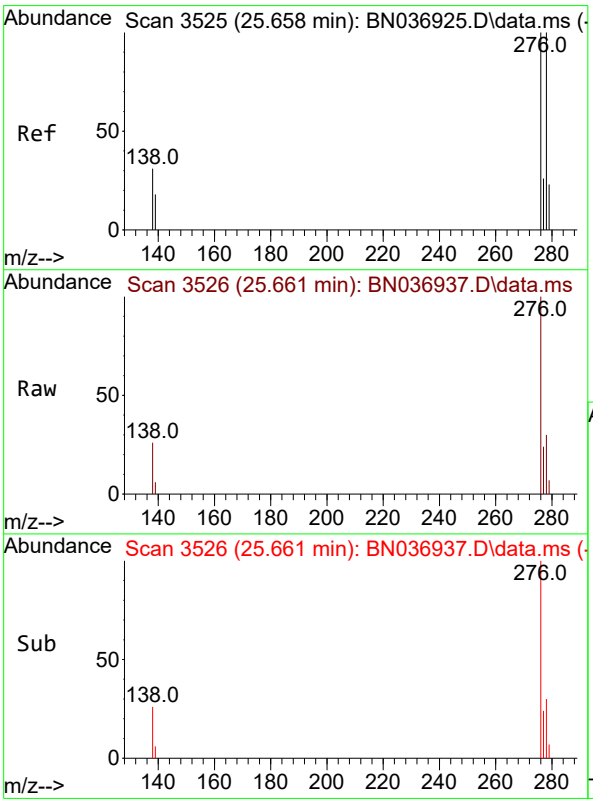
#39
Benzo(a)pyrene
Concen: 17.678 ng
RT: 23.331 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
38072-010925DL

Tgt Ion:252 Resp: 364004

Ion	Ratio	Lower	Upper
252	100		
253	21.5	25.9	38.9#
125	13.5	17.4	26.0#

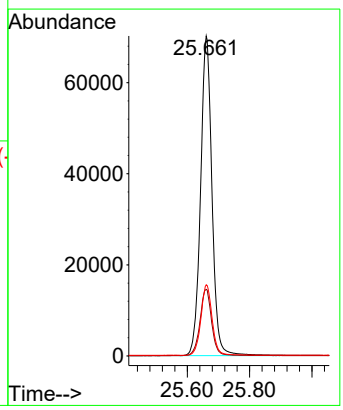


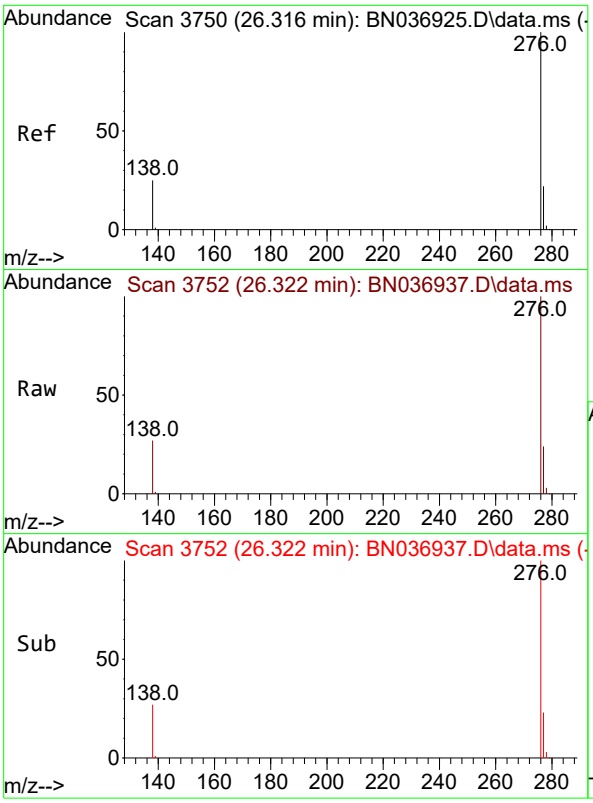


#40
Dibenzo(a,h)anthracene
Concen: 9.314 ng
RT: 25.661 min Scan# 3526
Delta R.T. 0.003 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Tgt Ion:278 Resp: 178329

Ion	Ratio	Lower	Upper
278	100		
139	20.8	17.4	26.2
279	22.3	24.9	37.3#



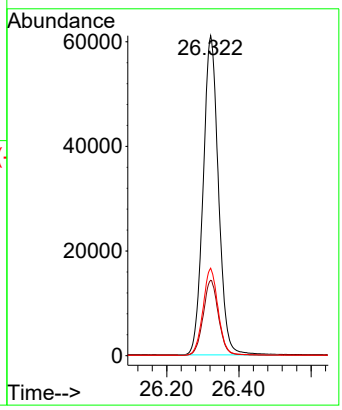


#41
Benzo(g,h,i)perylene
Concen: 8.458 ng
RT: 26.322 min Scan# 3
Delta R.T. 0.006 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
38072-010925DL

Tgt Ion:276 Resp: 179719

Ion	Ratio	Lower	Upper
276	100		
277	23.6	20.2	30.2
138	27.3	21.9	32.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042925\
Data File : BN036938.D
Acq On : 29 Apr 2025 14:17
Operator : RC/JU
Sample : Q1870-01DL2 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

Quant Time: Apr 29 14:40:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration

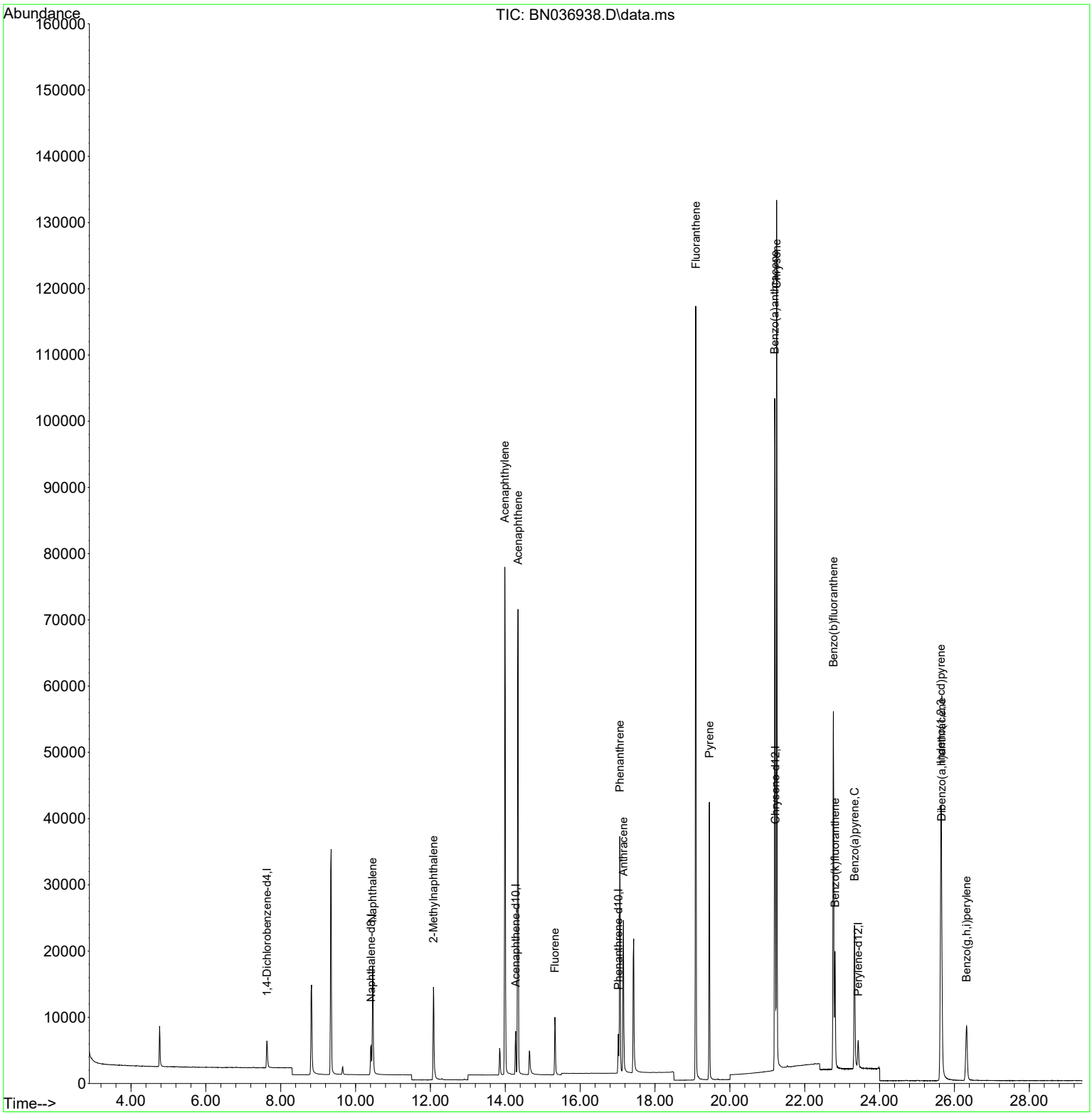
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.633	152	2432	0.400	ng		0.00
7) Naphthalene-d8	10.415	136	6295	0.400	ng		0.00
13) Acenaphthene-d10	14.277	164	3589	0.400	ng		0.00
19) Phenanthrene-d10	17.021	188	7137	0.400	ng		0.00
29) Chrysene-d12	21.215	240	6695	0.400	ng	#	0.00
35) Perylene-d12	23.430	264	5501	0.400	ng	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	0.000	112	0d	0.000	ng		
5) Phenol-d6	0.000	99	0d	0.000	ng		
8) Nitrobenzene-d5	0.000	82	0d	0.000	ng		
11) 2-Methylnaphthalene-d10	0.000	152	0d	0.000	ng		
14) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng		
15) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng		
27) Fluoranthene-d10	0.000	212	0d	0.000	ng		
31) Terphenyl-d14	0.000	244	0d	0.000	ng		
Target Compounds							Qvalue
9) Naphthalene	10.458	128	22192	1.211	ng		98
12) 2-Methylnaphthalene	12.082	142	11450	0.967	ng		99
16) Acenaphthylene	13.989	152	79777	4.548	ng		99
17) Acenaphthene	14.341	154	34081	2.957	ng		99
18) Fluorene	15.325	166	6026	0.400	ng		98
25) Phenanthrene	17.058	178	35341	1.500	ng		99
26) Anthracene	17.158	178	26761	1.256	ng		100
28) Fluoranthene	19.091	202	103493	3.920	ng		99
30) Pyrene	19.453	202	36010	1.117	ng		99
32) Benzo(a)anthracene	21.197	228	84662	3.434	ng		97
33) Chrysene	21.251	228	101268	3.808	ng		98
36) Indeno(1,2,3-cd)pyrene	25.640	276	68690	3.058	ng		96
37) Benzo(b)fluoranthene	22.766	252	63619	2.750	ng	#	89
38) Benzo(k)fluoranthene	22.810	252	21335	0.917	ng	#	91
39) Benzo(a)pyrene	23.330	252	31475	1.655	ng	#	85
40) Dibenzo(a,h)anthracene	25.658	278	16267	0.920	ng		93
41) Benzo(g,h,i)perylene	26.324	276	16655	0.849	ng		99

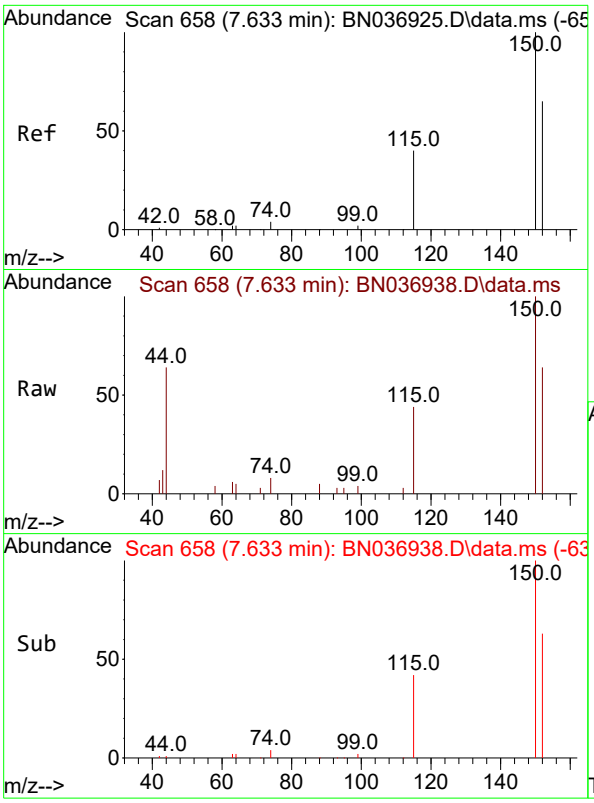
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042925\
Data File : BN036938.D
Acq On : 29 Apr 2025 14:17
Operator : RC/JU
Sample : Q1870-01DL2 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

Quant Time: Apr 29 14:40:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration



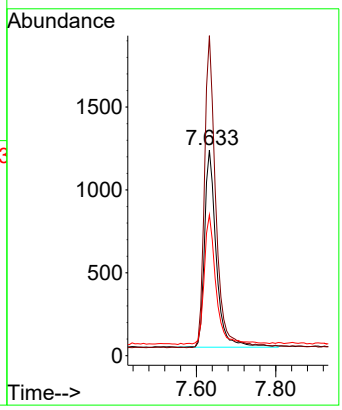


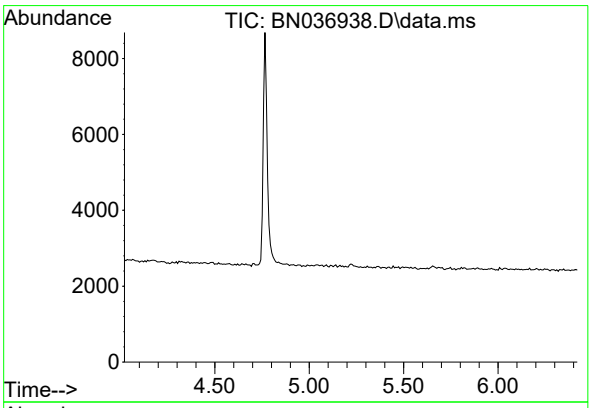
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.633 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

Tgt Ion:152 Resp: 2432

Ion	Ratio	Lower	Upper
152	100		
150	155.6	121.1	181.7
115	68.5	51.8	77.6



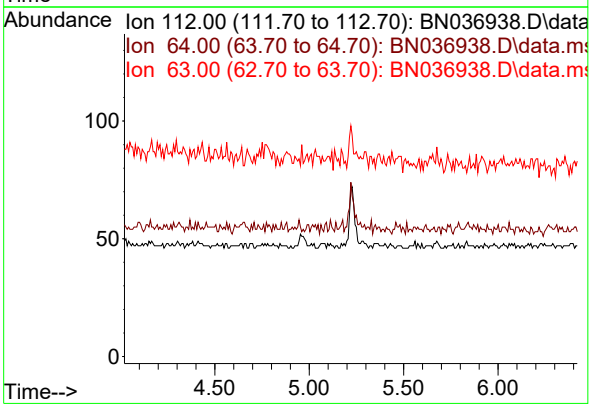


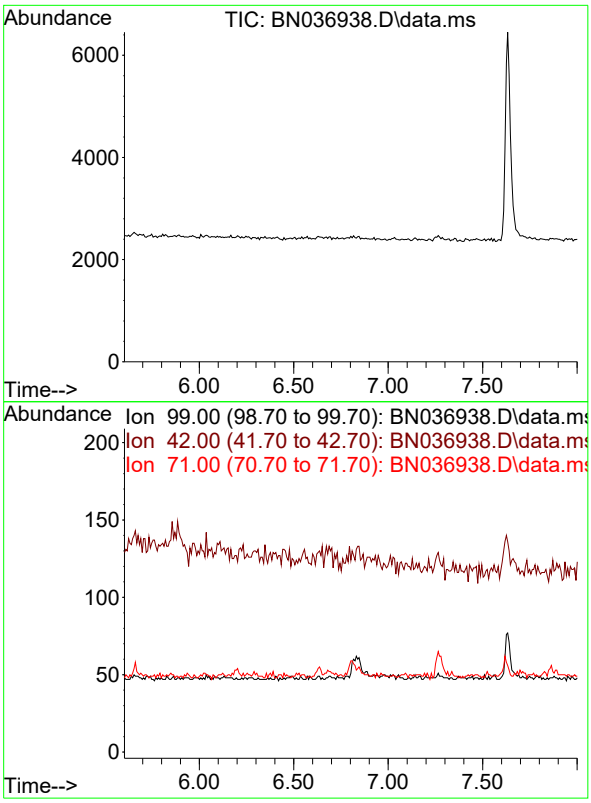
#4
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.22 min

Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	69.6
63	42.4





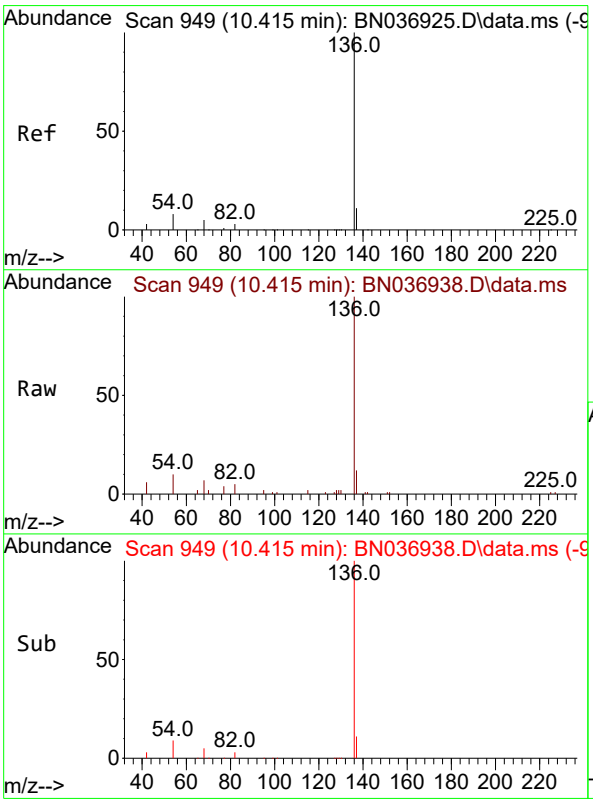
#5
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.80 min

Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

Tgt Ion: 99

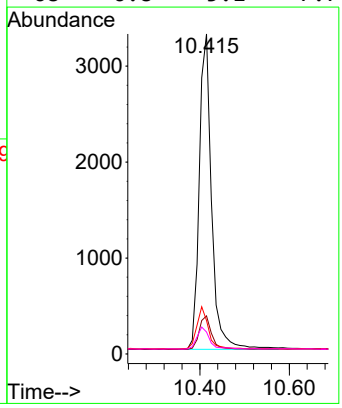
Sig	Exp Ratio
99	100
42	37.0
71	45.0

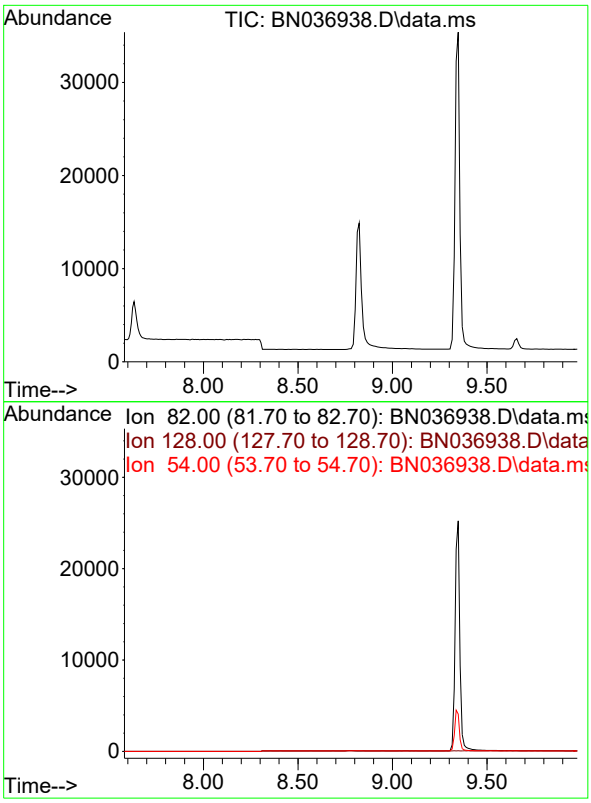


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion:136 Resp: 6295

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.7	14.5
54	10.4	8.0	12.0
68	6.8	5.1	7.7





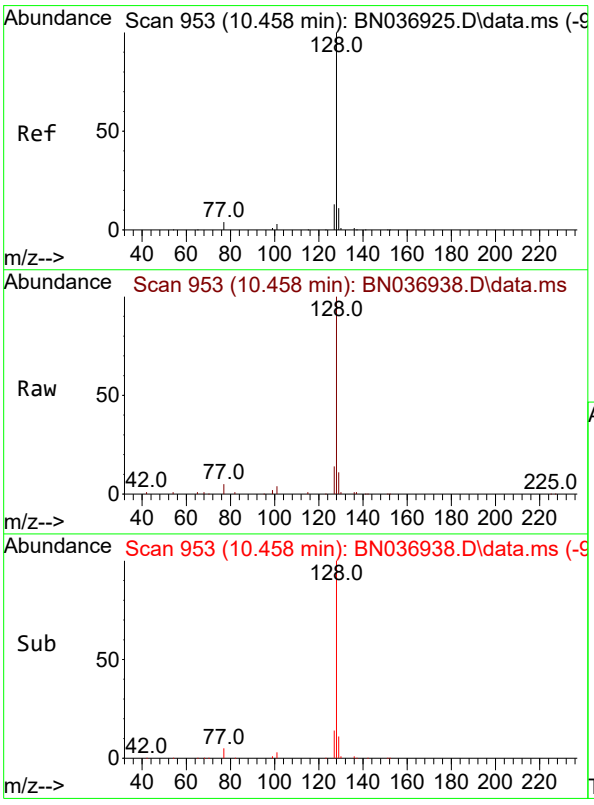
#8
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.78 min

Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

Tgt Ion: 82

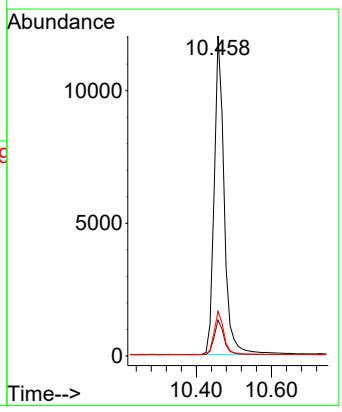
Sig	Exp Ratio
82	100
128	38.4
54	65.1

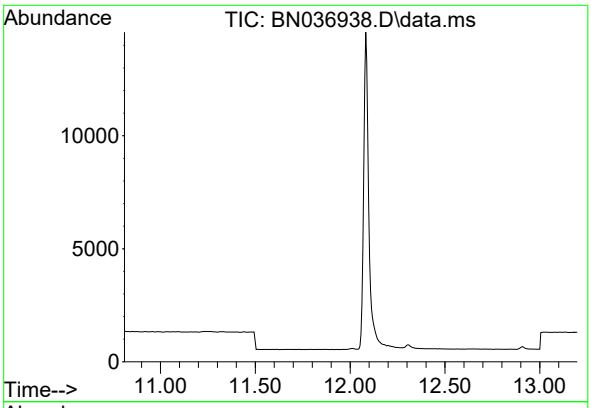


#9
Naphthalene
Concen: 1.211 ng
RT: 10.458 min Scan# 953
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion:128 Resp: 22192

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.8	14.6
127	13.9	11.4	17.2





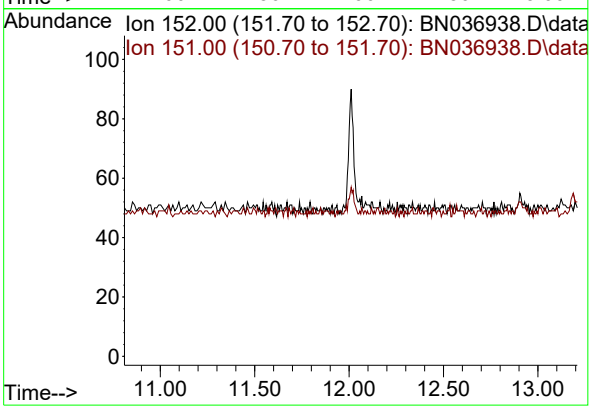
#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
Expected RT: 12.01 min

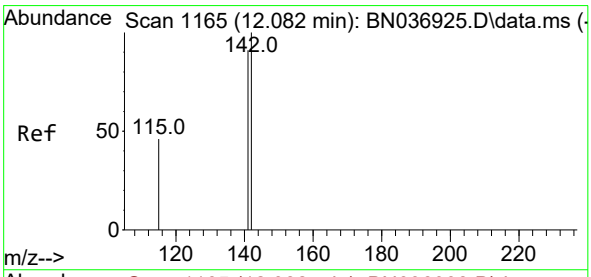
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

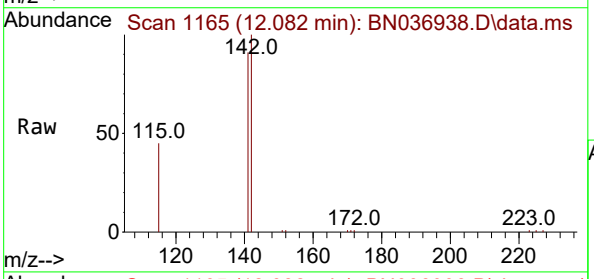
Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

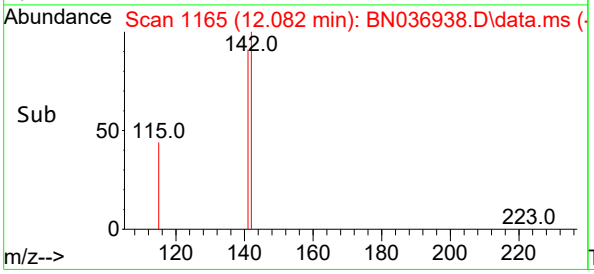
Tgt Ion: 152

Sig	Exp Ratio
152	100
151	21.1





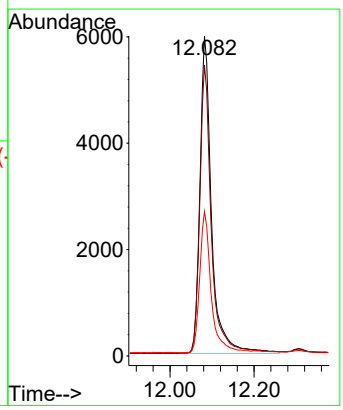


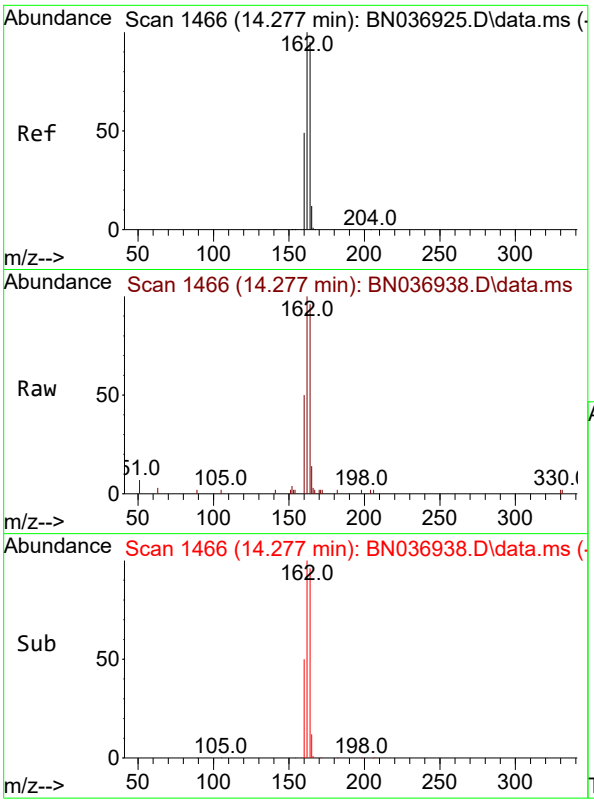


#12
2-Methylnaphthalene
Concen: 0.967 ng
RT: 12.082 min Scan# 1165
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion:142 Resp: 11450

Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.8	109.2
115	45.2	38.2	57.4



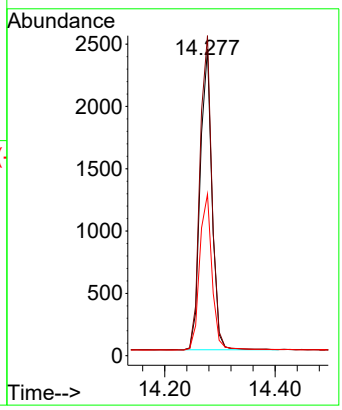


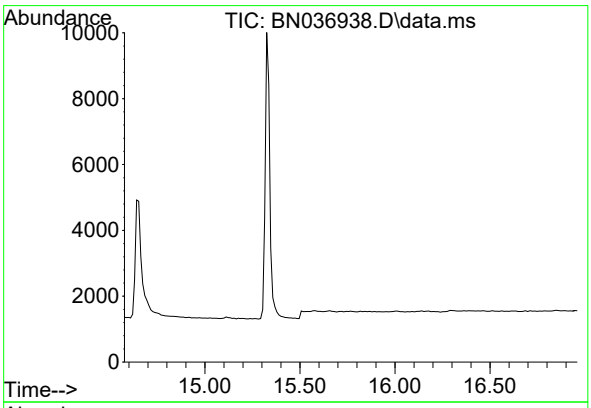
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

Tgt Ion:164 Resp: 3589

Ion	Ratio	Lower	Upper
164	100		
162	104.3	83.8	125.8
160	52.6	42.0	63.0



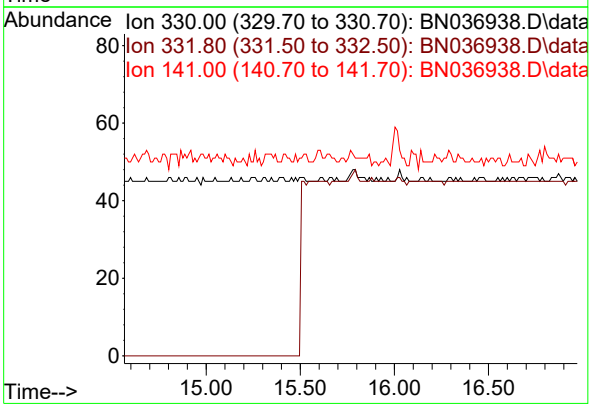


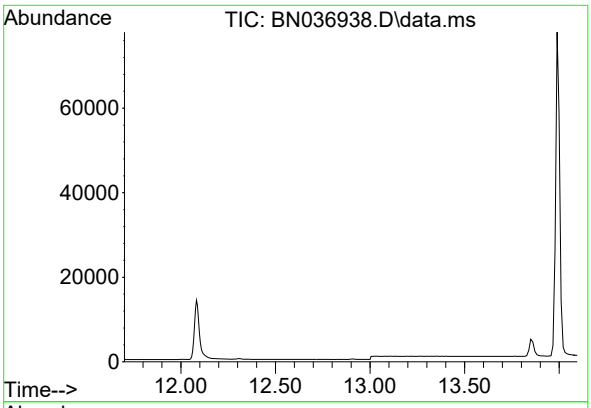
#14
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.77 min

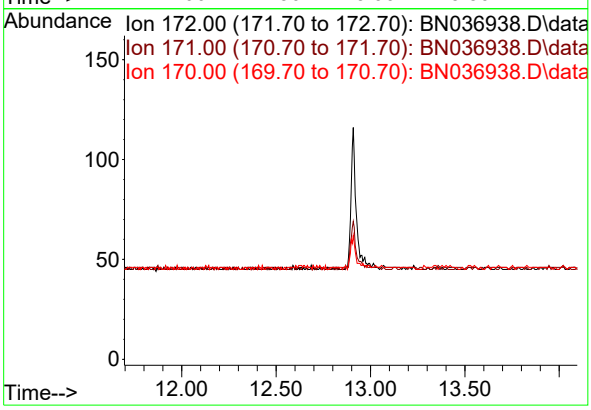
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	95.4
141	56.8







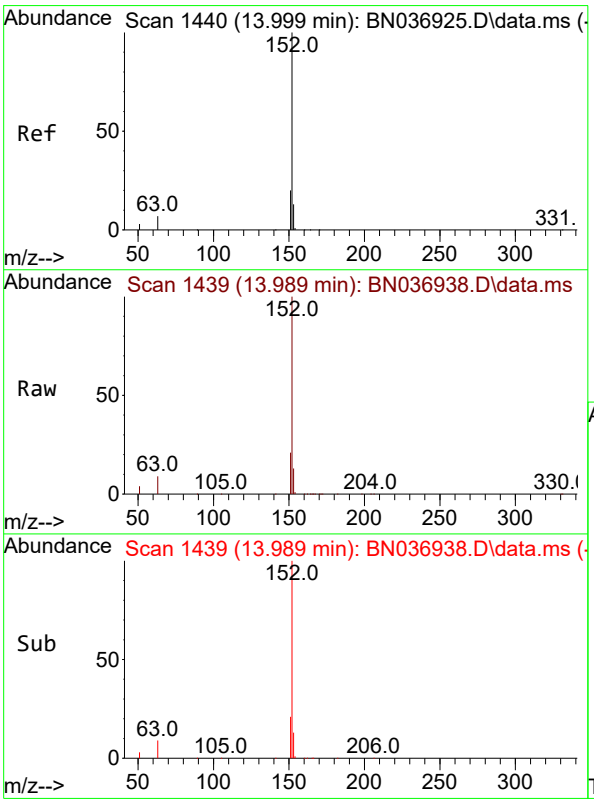
#15
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 12.90 min

Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

Tgt Ion: 172

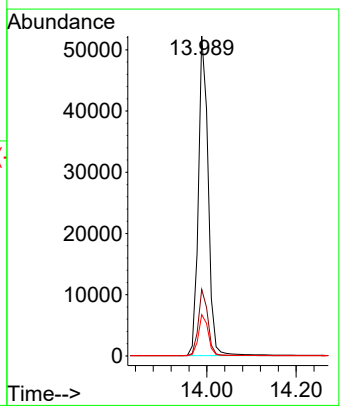
Sig	Exp Ratio
172	100
171	36.7
170	24.2

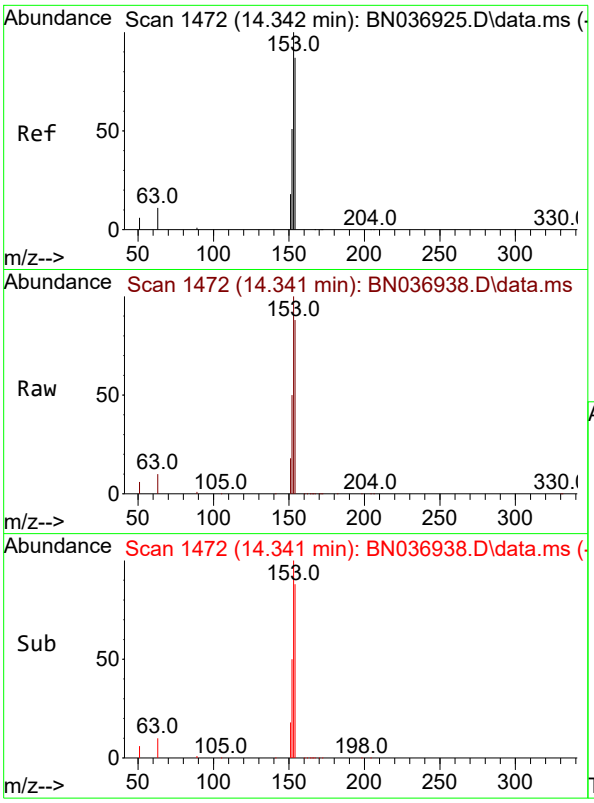


#16
Acenaphthylene
Concen: 4.548 ng
RT: 13.989 min Scan# 1439
Delta R.T. -0.011 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion:152 Resp: 79777

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.0	24.0
153	13.0	10.2	15.2



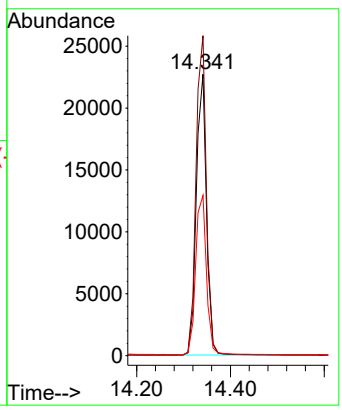


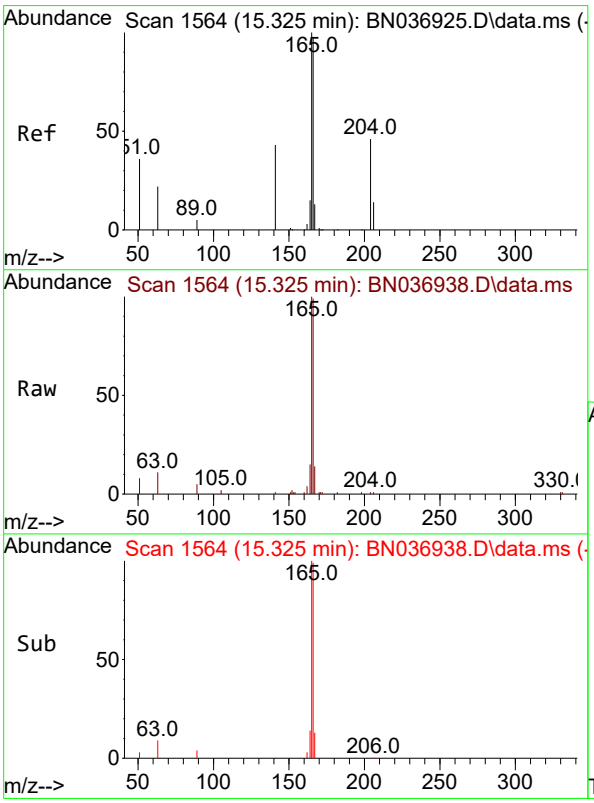
#17
Acenaphthene
Concen: 2.957 ng
RT: 14.341 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

Tgt Ion:154 Resp: 34081

Ion	Ratio	Lower	Upper
154	100		
153	116.2	93.4	140.2
152	60.5	49.5	74.3

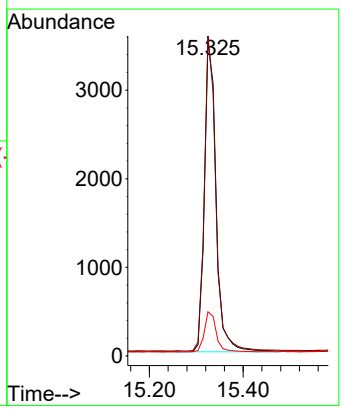


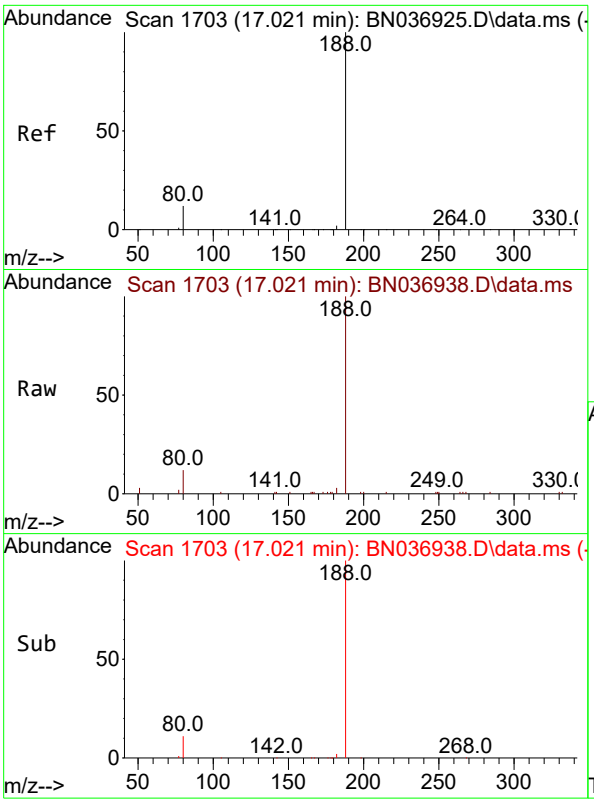


#18
Fluorene
Concen: 0.400 ng
RT: 15.325 min Scan# 1564
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion:166 Resp: 6026

Ion	Ratio	Lower	Upper
166	100		
165	99.4	80.8	121.2
167	13.1	10.8	16.2



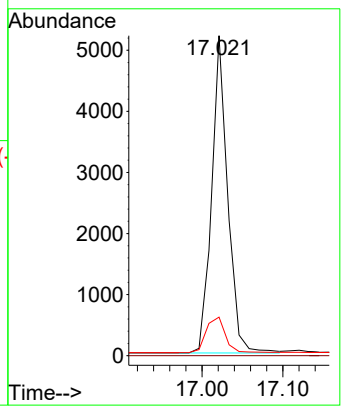


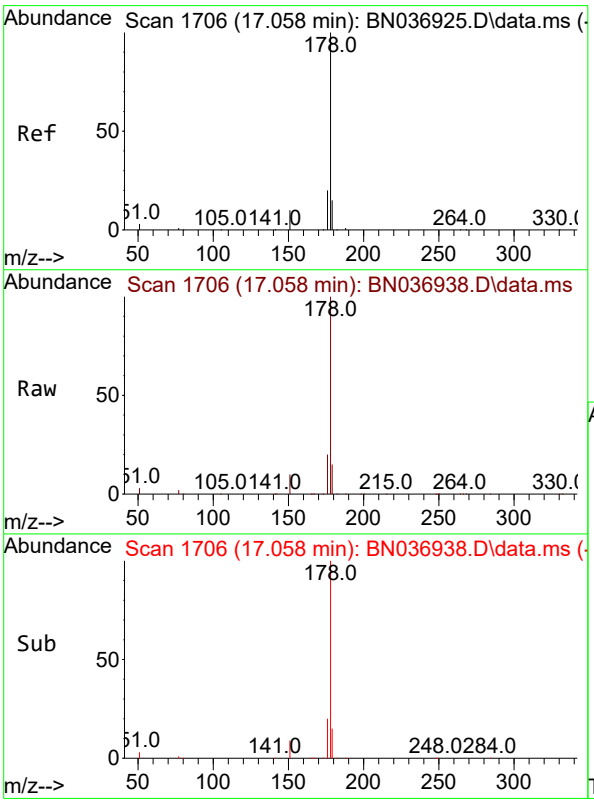
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.021 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

Tgt Ion:188 Resp: 7137

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.0	10.7	16.1

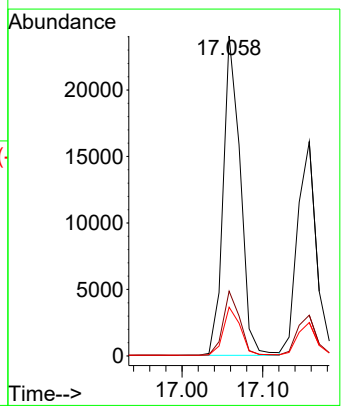


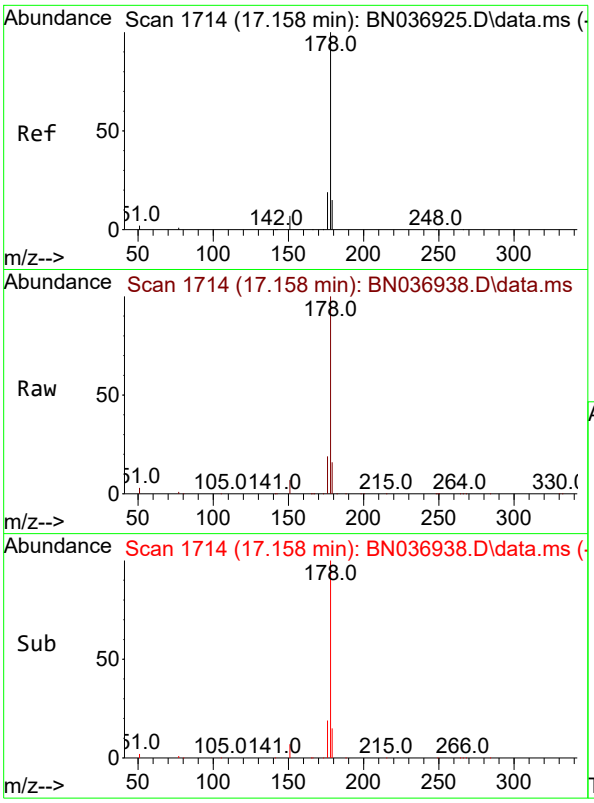


#25
Phenanthrene
Concen: 1.500 ng
RT: 17.058 min Scan# 1706
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion:178 Resp: 35341

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.7	23.5
179	15.1	12.4	18.6



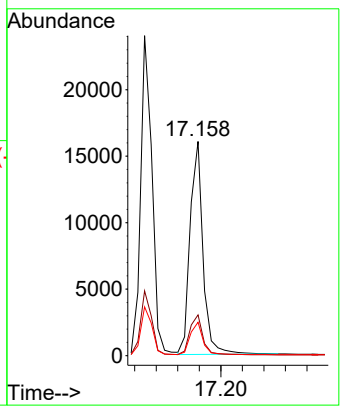


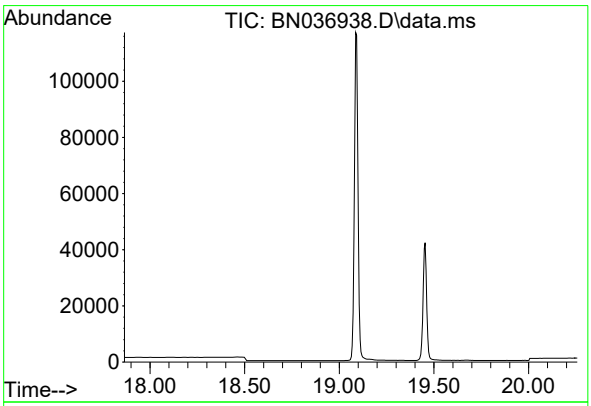
#26
Anthracene
Concen: 1.256 ng
RT: 17.158 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

Tgt Ion:178 Resp: 26761

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.3	12.1	18.1



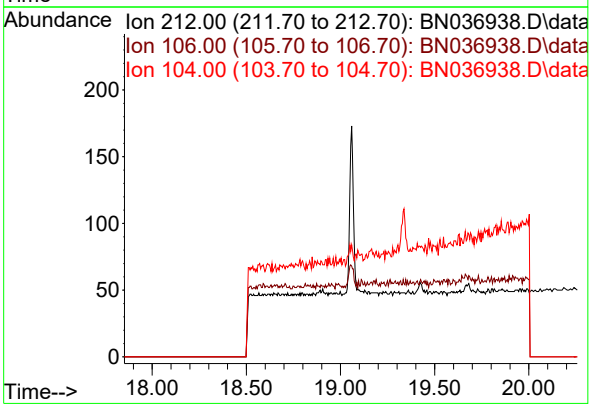


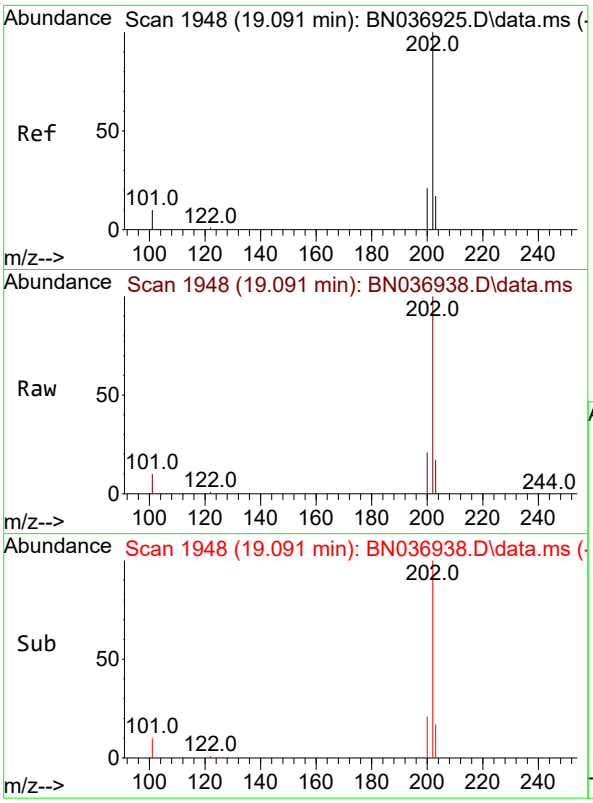
#27
Fluoranthene-d10
Concen: 0.000 ng
Expected RT: 19.06 min

Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion: 212

Sig	Exp Ratio
212	100
106	14.5
104	8.7



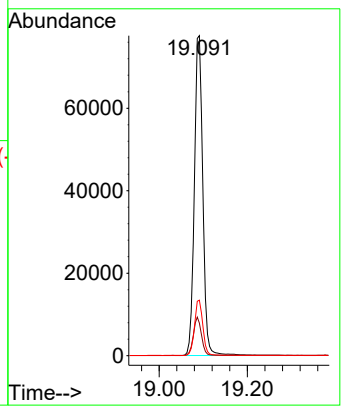


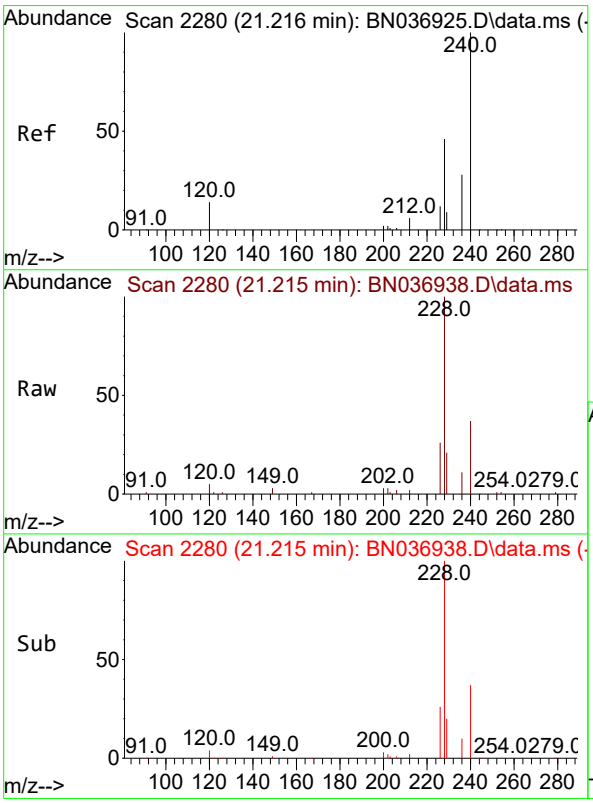
#28
Fluoranthene
Concen: 3.920 ng
RT: 19.091 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

Tgt Ion:202 Resp: 103493

Ion	Ratio	Lower	Upper
202	100		
101	11.4	8.5	12.7
203	17.2	13.7	20.5

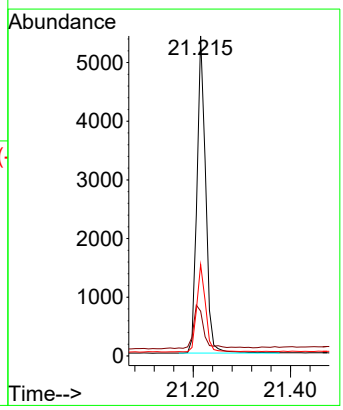


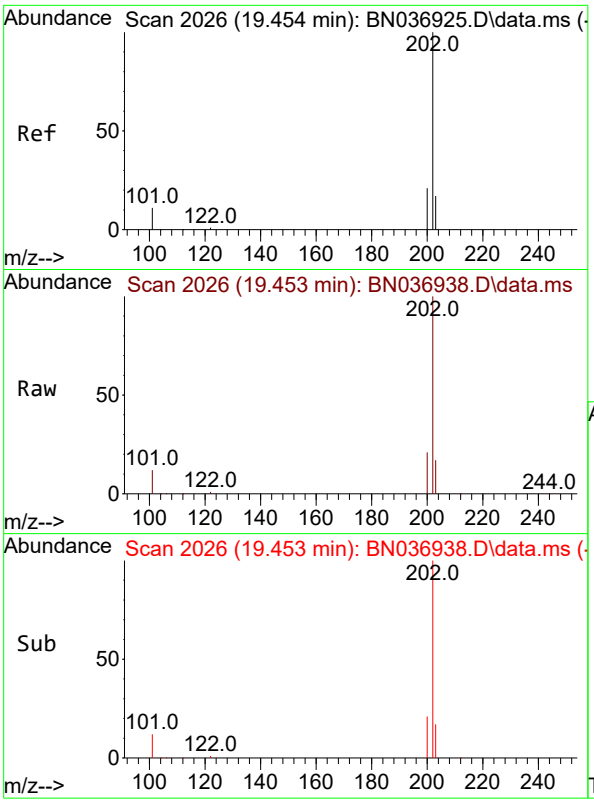


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.215 min Scan# 2280
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion:240 Resp: 6695

Ion	Ratio	Lower	Upper
240	100		
120	14.0	14.1	21.1#
236	28.5	23.8	35.8



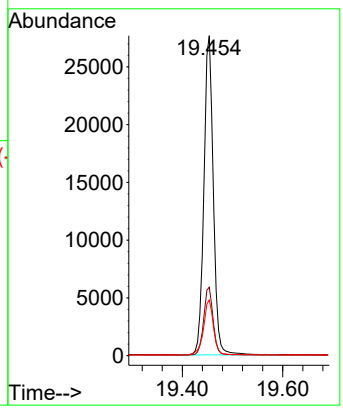


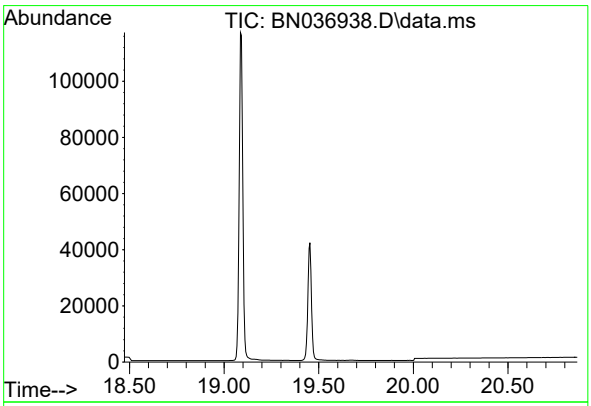
#30
Pyrene
Concen: 1.117 ng
RT: 19.453 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

Tgt Ion:202 Resp: 36010

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.6
203	18.2	14.0	21.0



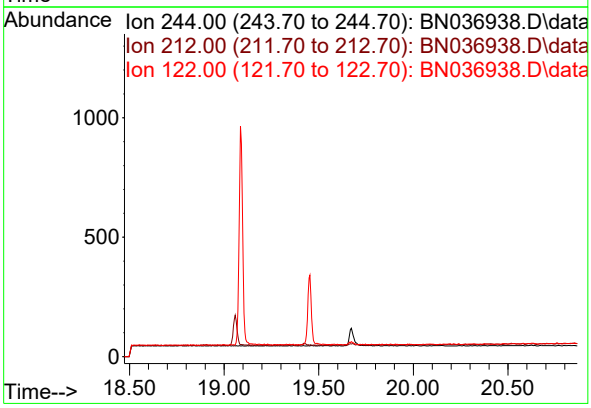


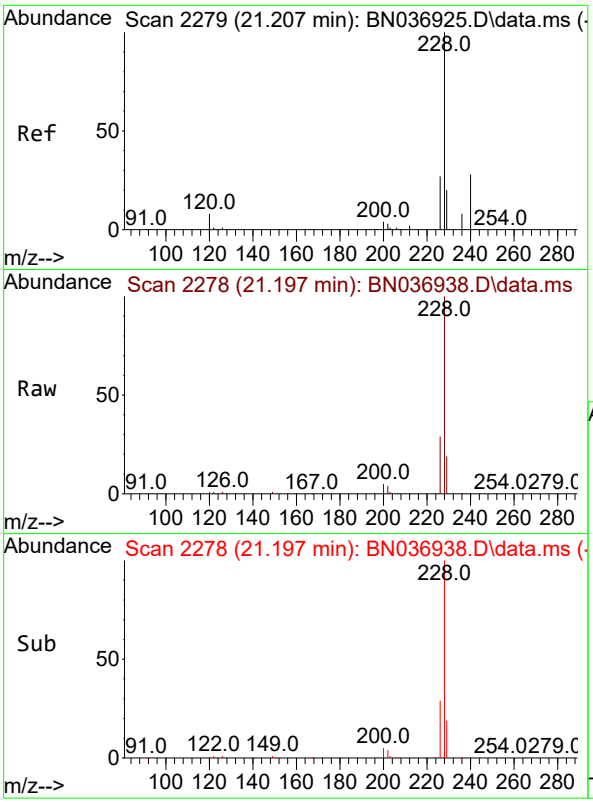
#31
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.67 min

Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	12.0
122	15.9



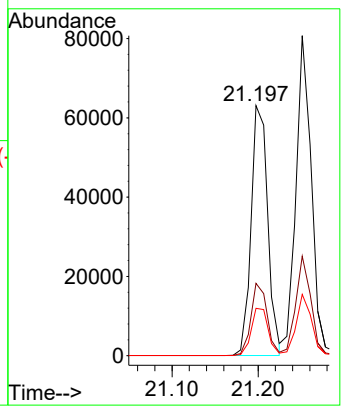


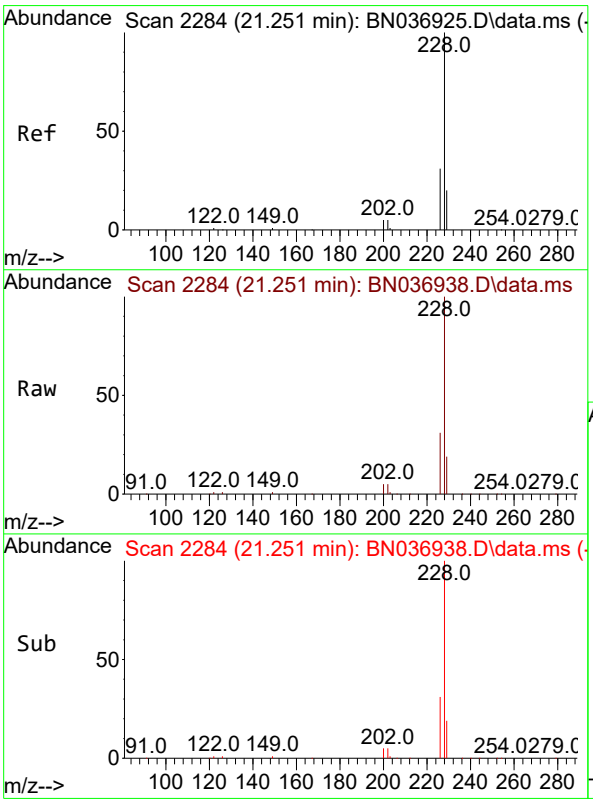
#32
Benzo(a)anthracene
Concen: 3.434 ng
RT: 21.197 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

Tgt Ion:228 Resp: 84662

Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.2	33.4
229	18.9	16.4	24.6

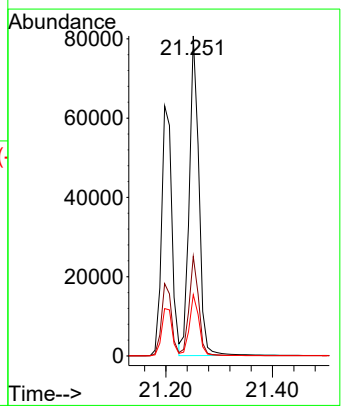


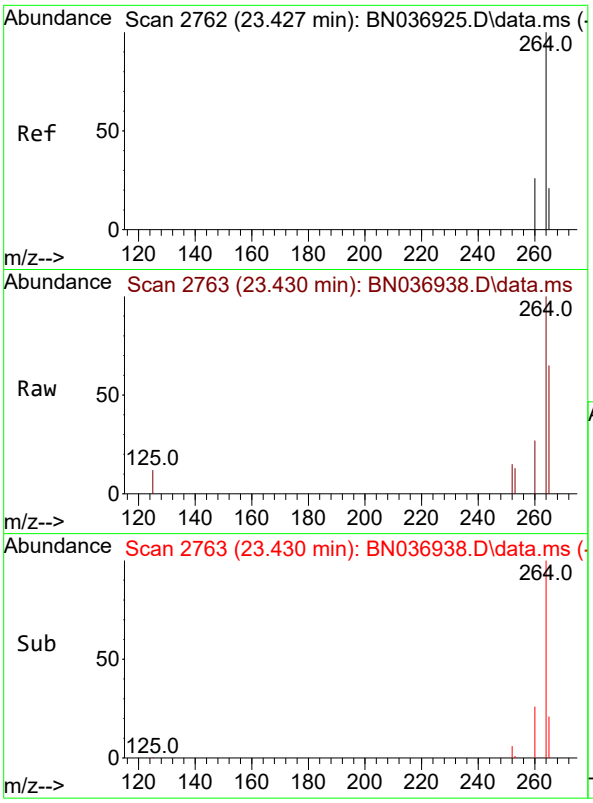


#33
Chrysene
Concen: 3.808 ng
RT: 21.251 min Scan# 2284
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion:228 Resp: 101268

Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.5	38.3
229	19.2	16.5	24.7



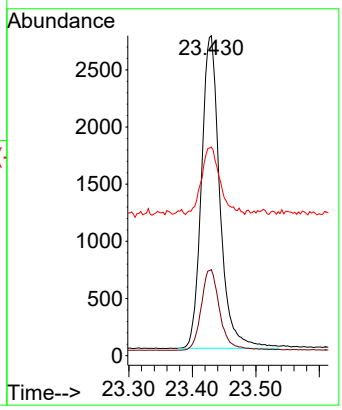


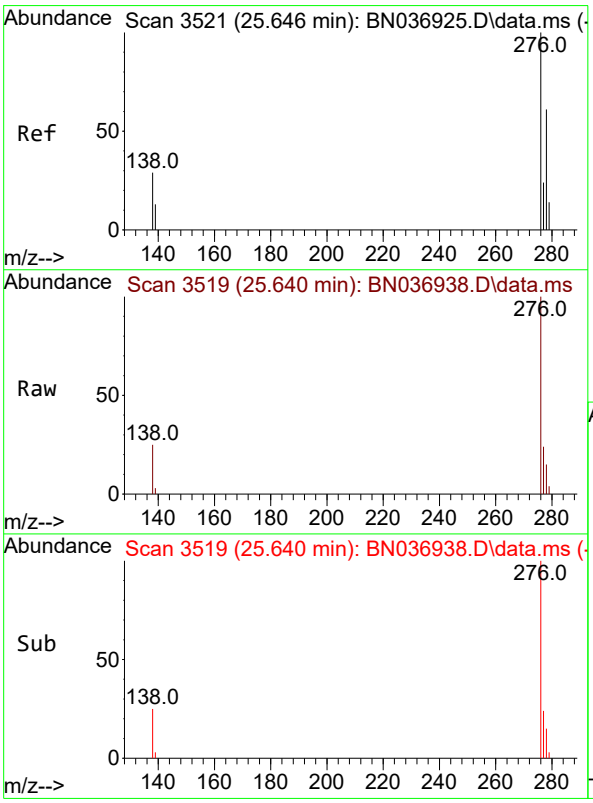
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.430 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

Tgt Ion:264 Resp: 5501

Ion	Ratio	Lower	Upper
264	100		
260	26.9	22.2	33.2
265	65.2	65.8	98.6#

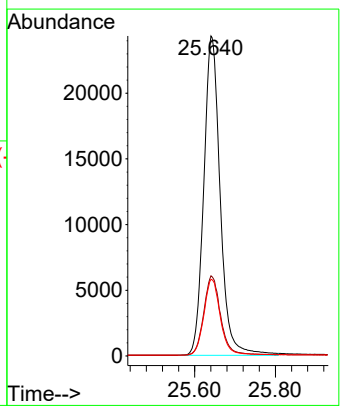


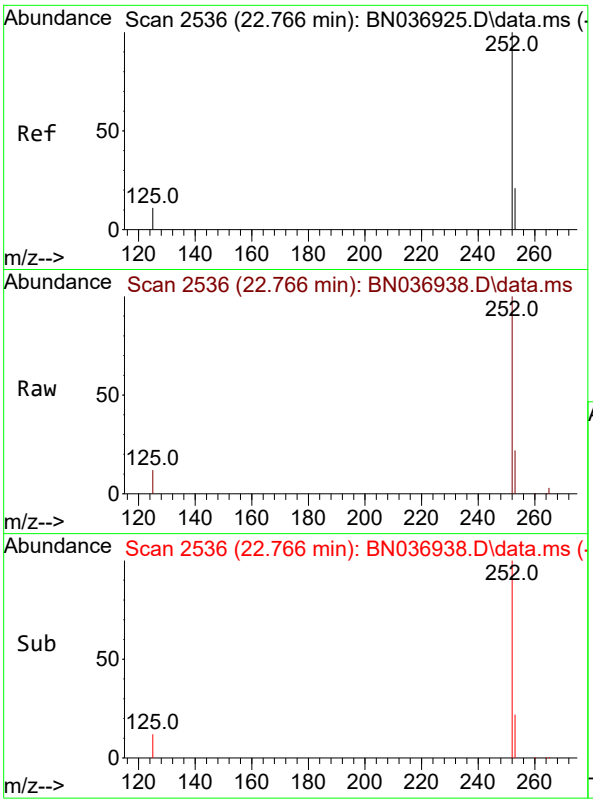


#36
Indeno(1,2,3-cd)pyrene
Concen: 3.058 ng
RT: 25.640 min Scan# 3519
Delta R.T. -0.006 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion:276 Resp: 68690

Ion	Ratio	Lower	Upper
276	100		
138	25.6	23.0	34.6
277	24.0	20.0	30.0



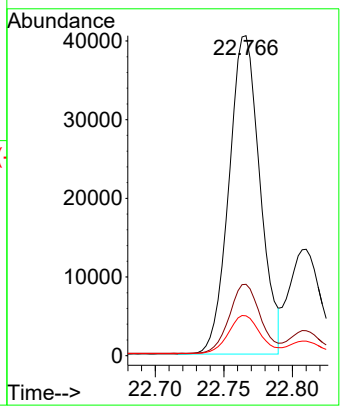


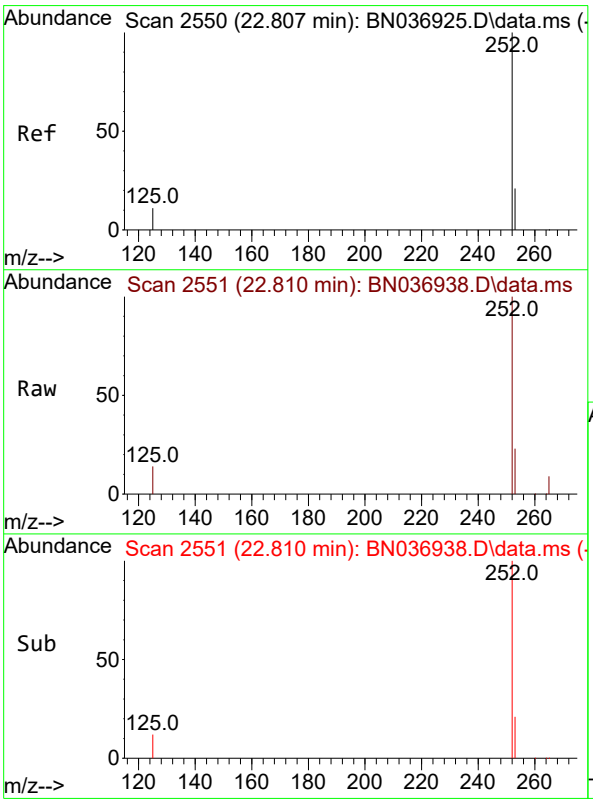
#37
Benzo(b)fluoranthene
Concen: 2.750 ng
RT: 22.766 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

Tgt Ion:252 Resp: 63619

Ion	Ratio	Lower	Upper
252	100		
253	22.3	22.1	33.1
125	12.5	14.2	21.2#

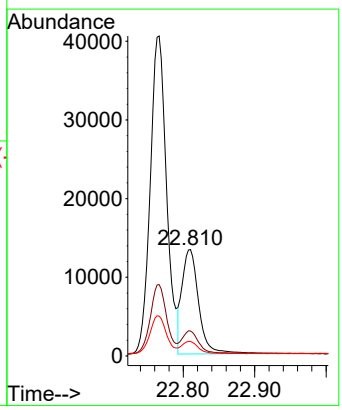


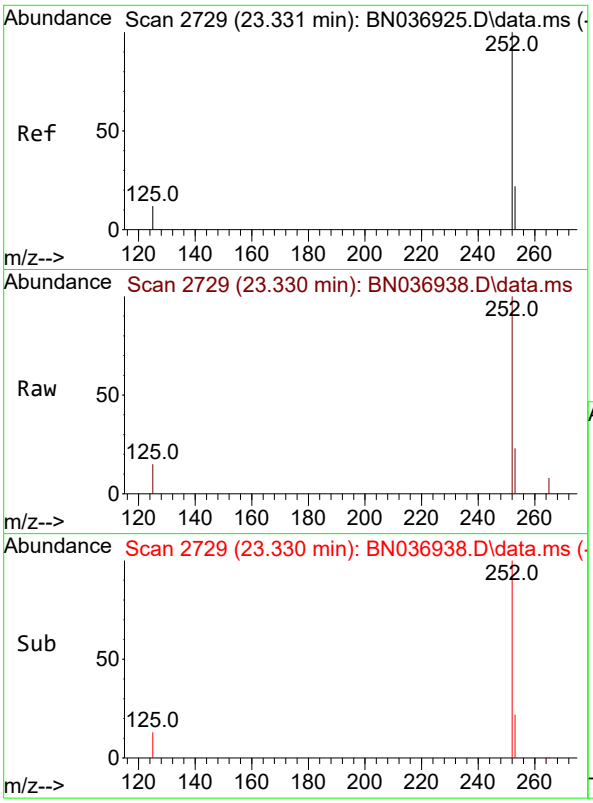


#38
Benzo(k)fluoranthene
Concen: 0.917 ng
RT: 22.810 min Scan# 2551
Delta R.T. 0.003 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion:252 Resp: 21335

Ion	Ratio	Lower	Upper
252	100		
253	23.4	22.8	34.2
125	13.7	14.2	21.2#



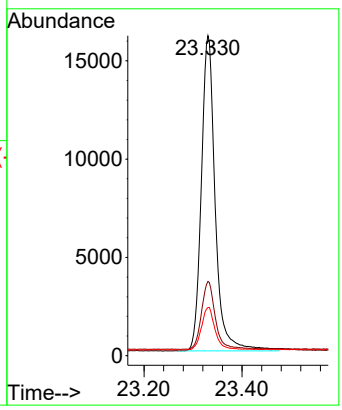


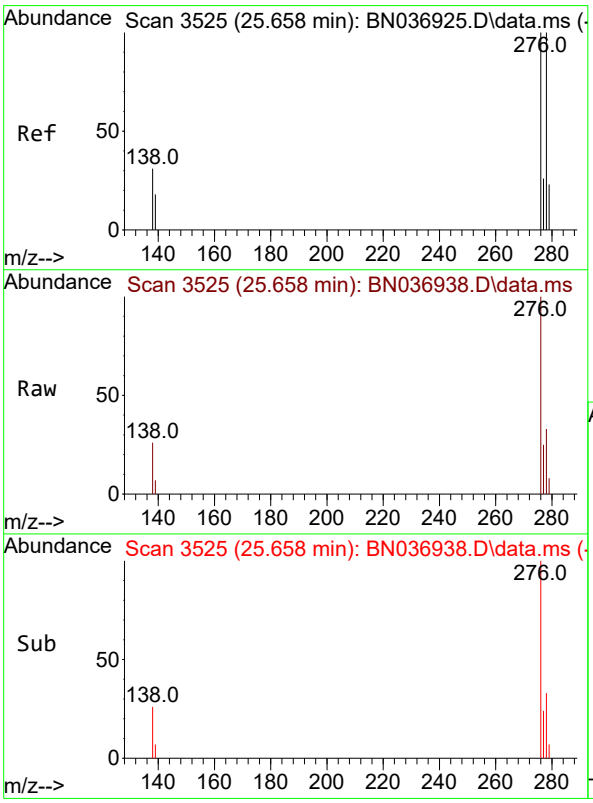
#39
Benzo(a)pyrene
Concen: 1.655 ng
RT: 23.330 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

Tgt Ion:252 Resp: 31475

Ion	Ratio	Lower	Upper
252	100		
253	23.2	25.9	38.9#
125	15.1	17.4	26.0#

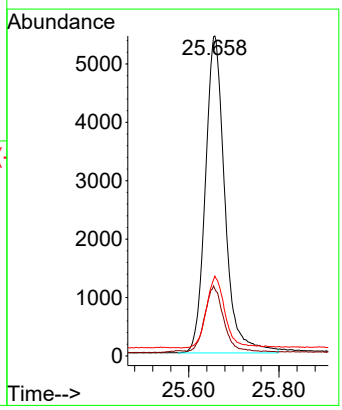


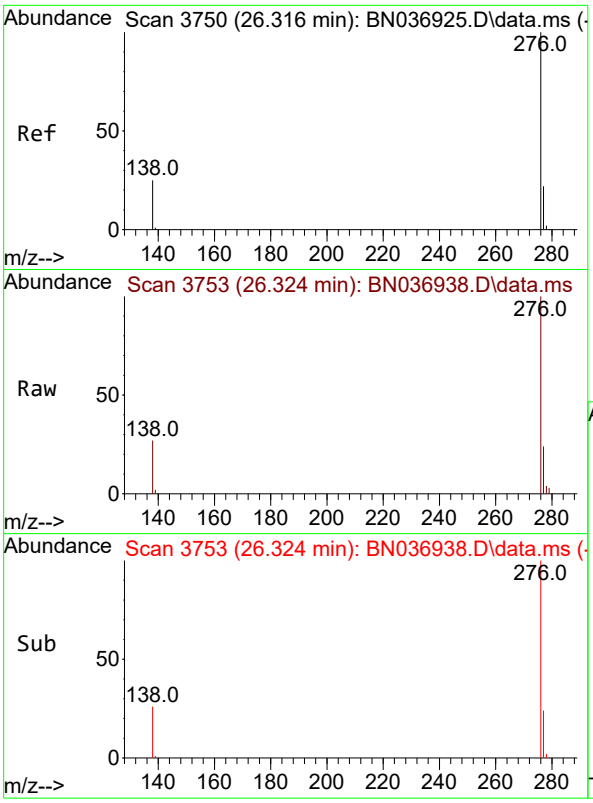


#40
Dibenzo(a,h)anthracene
Concen: 0.920 ng
RT: 25.658 min Scan# 3525
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion:278 Resp: 16267

Ion	Ratio	Lower	Upper
278	100		
139	21.0	17.4	26.2
279	25.0	24.9	37.3



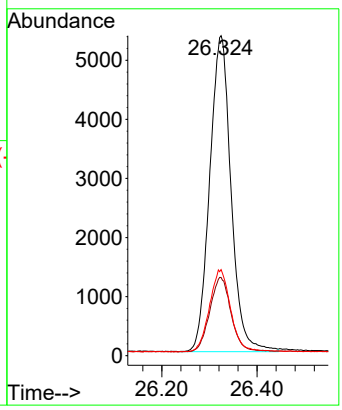


#41
Benzo(g,h,i)perylene
Concen: 0.849 ng
RT: 26.324 min Scan# 3
Delta R.T. 0.009 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

Tgt Ion:276 Resp: 16655

Ion	Ratio	Lower	Upper
276	100		
277	24.5	20.2	30.2
138	26.9	21.9	32.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042925\
Data File : BN036934.D
Acq On : 29 Apr 2025 09:53
Operator : RC/JU
Sample : PB167728BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB167728BL

Quant Time: Apr 29 10:49:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration

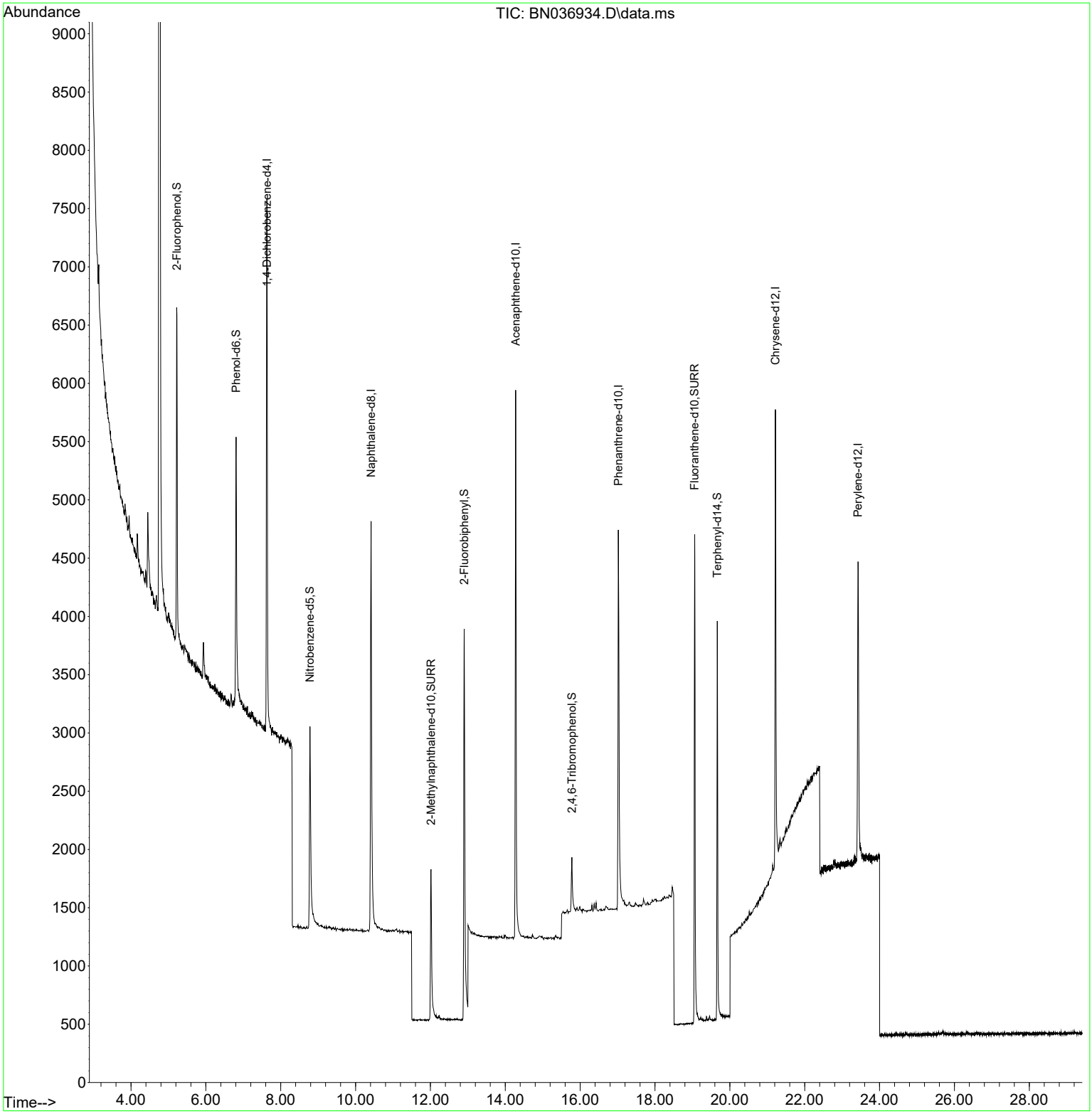
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.633	152	2379	0.400	ng	0.00
7) Naphthalene-d8	10.415	136	5573	0.400	ng	# 0.00
13) Acenaphthene-d10	14.277	164	2873	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	5718	0.400	ng	0.00
29) Chrysene-d12	21.215	240	4280	0.400	ng	0.00
35) Perylene-d12	23.424	264	3789	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.228	112	2056	0.338	ng	0.00
5) Phenol-d6	6.809	99	2289	0.306	ng	0.00
8) Nitrobenzene-d5	8.781	82	1914	0.328	ng	0.00
11) 2-Methylnaphthalene-d10	12.016	152	2522	0.324	ng	0.01
14) 2,4,6-Tribromophenol	15.780	330	349	0.273	ng	0.01
15) 2-Fluorobiphenyl	12.904	172	4916	0.354	ng	0.00
27) Fluoranthene-d10	19.059	212	5308	0.358	ng	0.00
31) Terphenyl-d14	19.667	244	3694	0.366	ng	0.00
Target Compounds						Qvalue

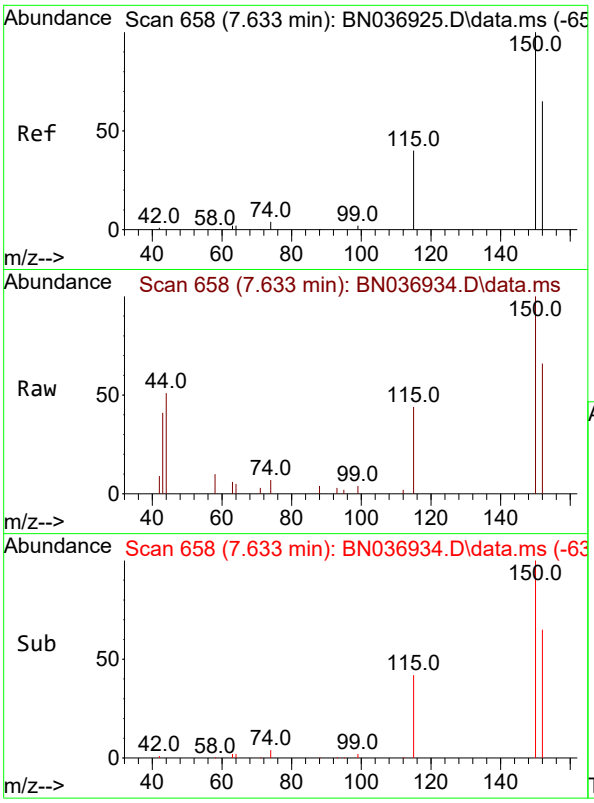
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042925\
Data File : BN036934.D
Acq On : 29 Apr 2025 09:53
Operator : RC/JU
Sample : PB167728BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB167728BL

Quant Time: Apr 29 10:49:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration



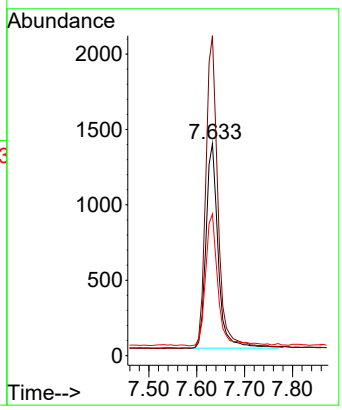


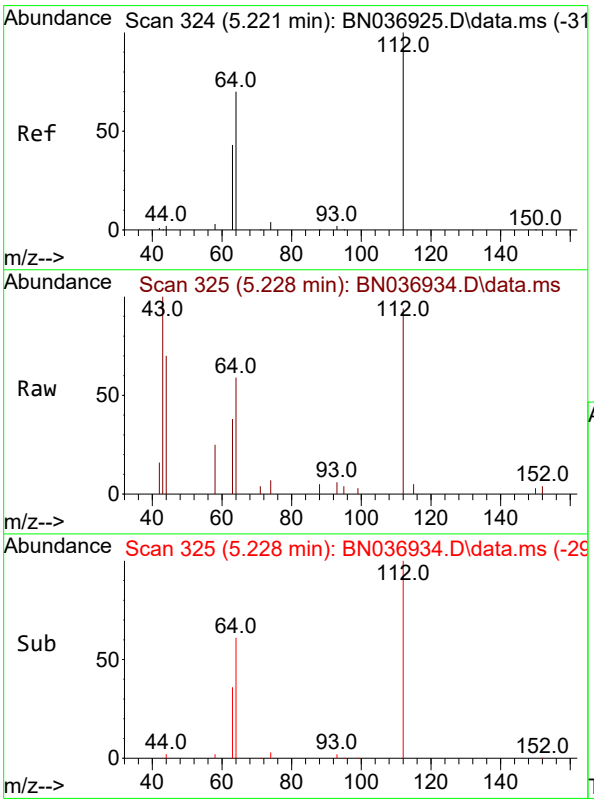
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.633 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN036934.D
Acq: 29 Apr 2025 09:53

Instrument :
BNA_N
ClientSampleId :
PB167728BL

Tgt Ion:152 Resp: 2379

Ion	Ratio	Lower	Upper
152	100		
150	150.9	121.1	181.7
115	66.9	51.8	77.6

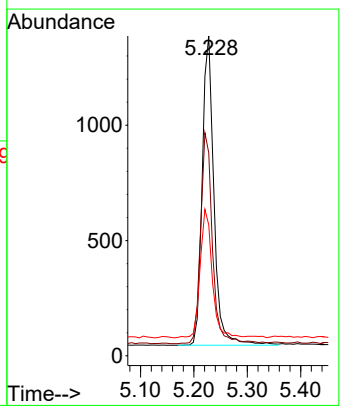


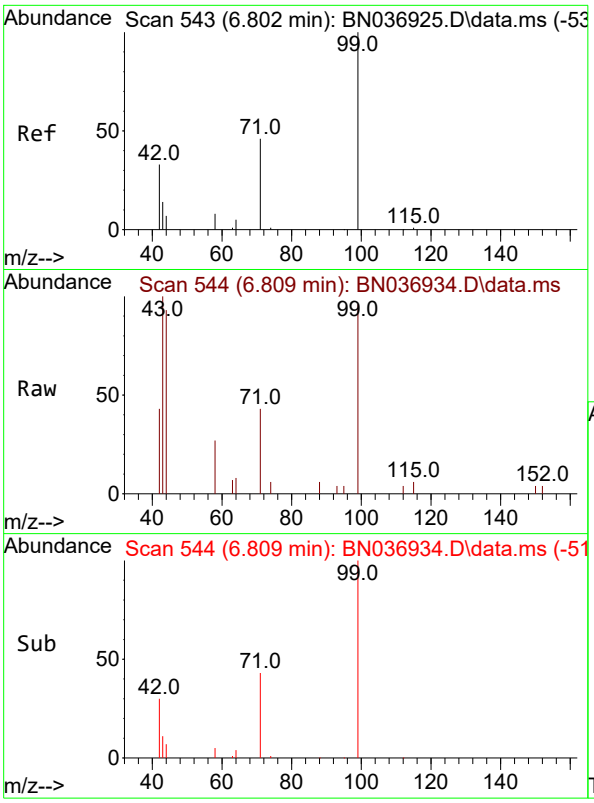


#4
2-Fluorophenol
Concen: 0.338 ng
RT: 5.228 min Scan# 325
Delta R.T. 0.007 min
Lab File: BN036934.D
Acq: 29 Apr 2025 09:53

Tgt Ion:112 Resp: 2056

Ion	Ratio	Lower	Upper
112	100		
64	68.1	55.7	83.5
63	42.8	33.9	50.9



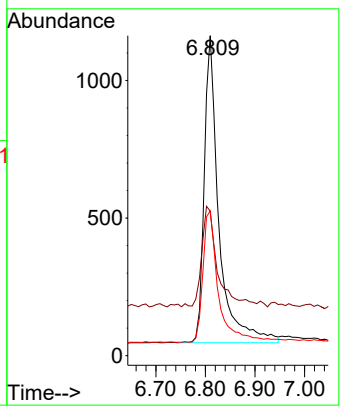


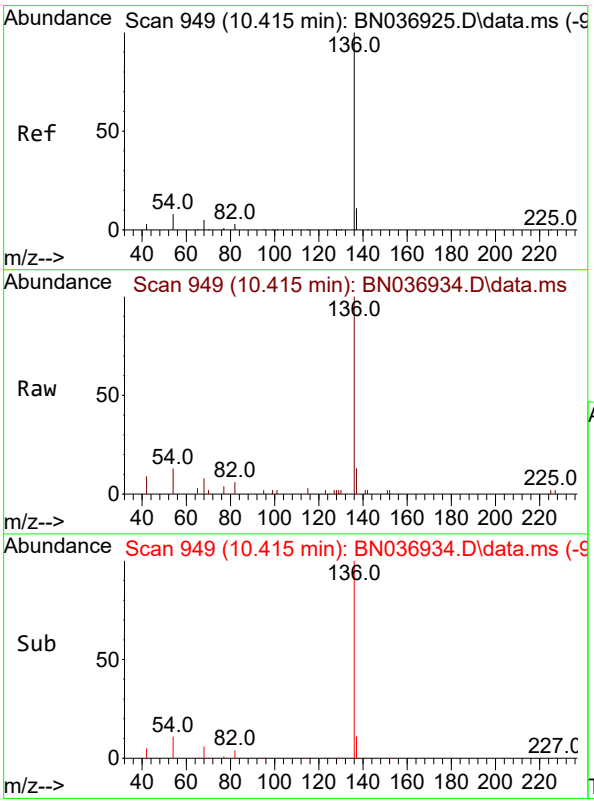
#5
Phenol-d6
Concen: 0.306 ng
RT: 6.809 min Scan# 54
Delta R.T. 0.007 min
Lab File: BN036934.D
Acq: 29 Apr 2025 09:53

Instrument :
BNA_N
ClientSampleId :
PB167728BL

Tgt Ion: 99 Resp: 2289

Ion	Ratio	Lower	Upper
99	100		
42	36.1	29.6	44.4
71	45.8	36.0	54.0

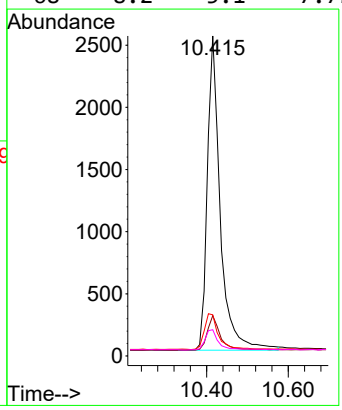


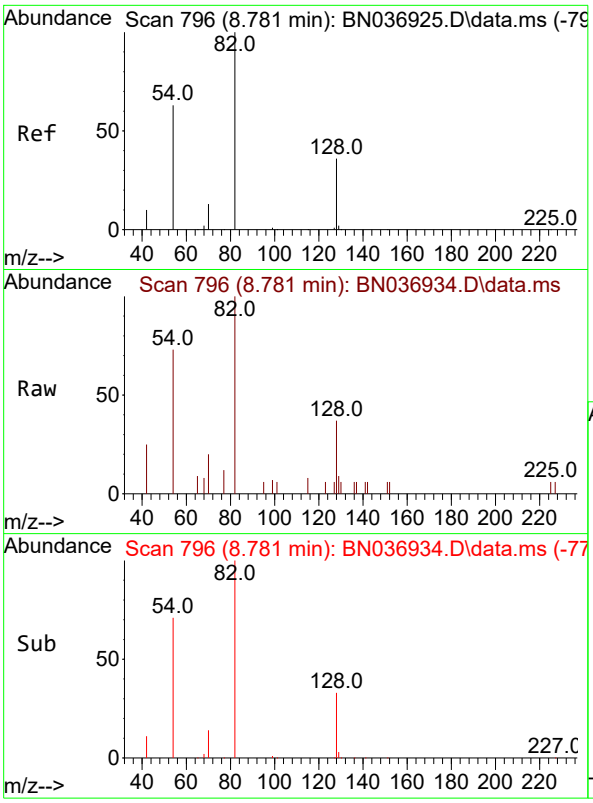


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN036934.D
Acq: 29 Apr 2025 09:53

Tgt Ion:136 Resp: 5573

Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.7	14.5
54	12.9	8.0	12.0#
68	8.2	5.1	7.7#



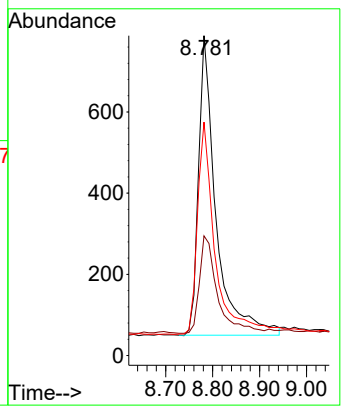


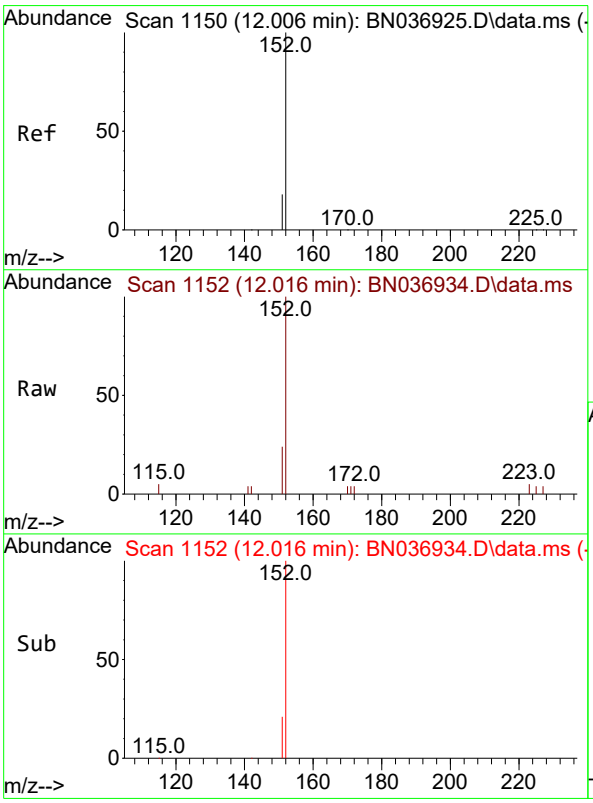
#8
Nitrobenzene-d5
Concen: 0.328 ng
RT: 8.781 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN036934.D
Acq: 29 Apr 2025 09:53

Instrument :
BNA_N
ClientSampleId :
PB167728BL

Tgt Ion: 82 Resp: 1914

Ion	Ratio	Lower	Upper
82	100		
128	37.4	30.7	46.1
54	73.0	52.1	78.1

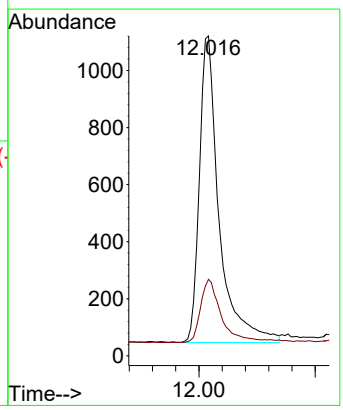


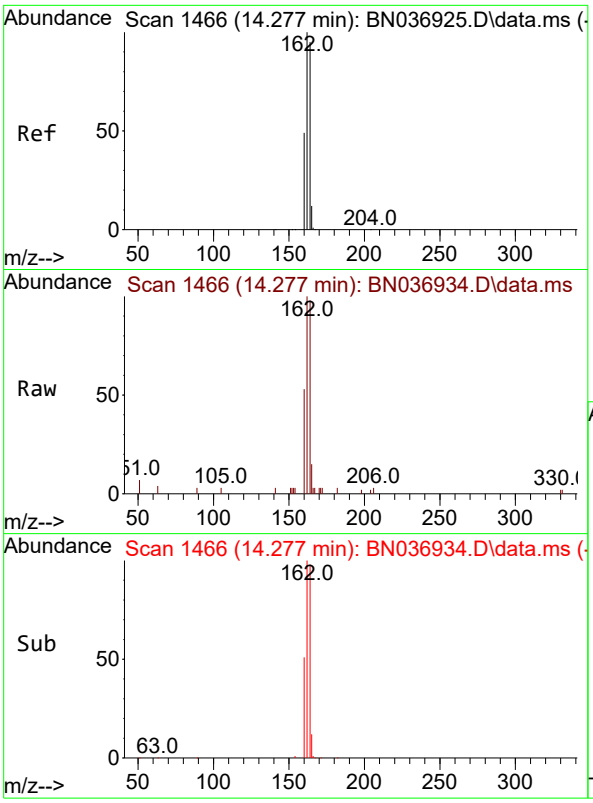


#11
2-Methylnaphthalene-d10
Concen: 0.324 ng
RT: 12.016 min Scan# 1152
Delta R.T. 0.010 min
Lab File: BN036934.D
Acq: 29 Apr 2025 09:53

Tgt Ion:152 Resp: 2522

Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.9	25.3



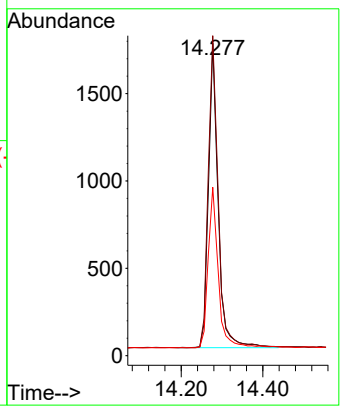


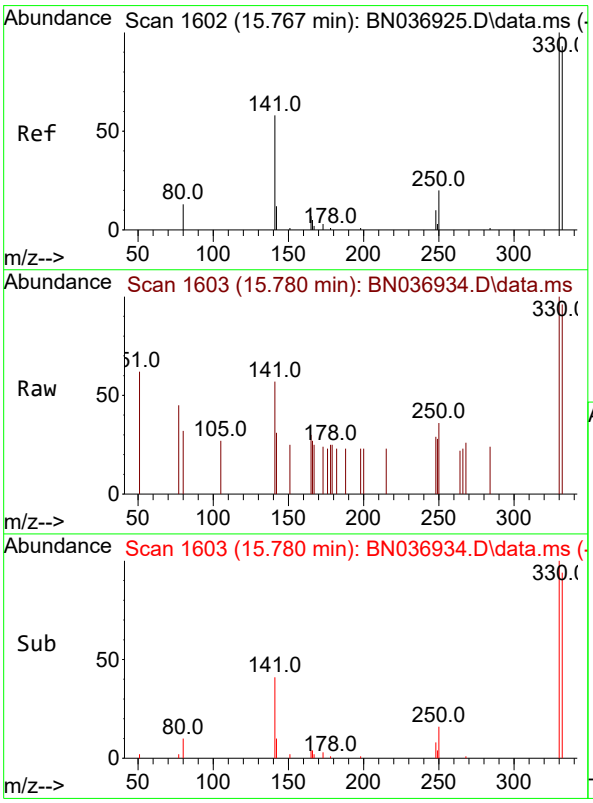
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN036934.D
Acq: 29 Apr 2025 09:53

Instrument :
BNA_N
ClientSampleId :
PB167728BL

Tgt Ion:164 Resp: 2873

Ion	Ratio	Lower	Upper
164	100		
162	102.4	83.8	125.8
160	53.9	42.0	63.0

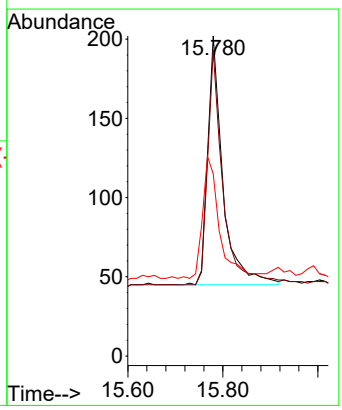


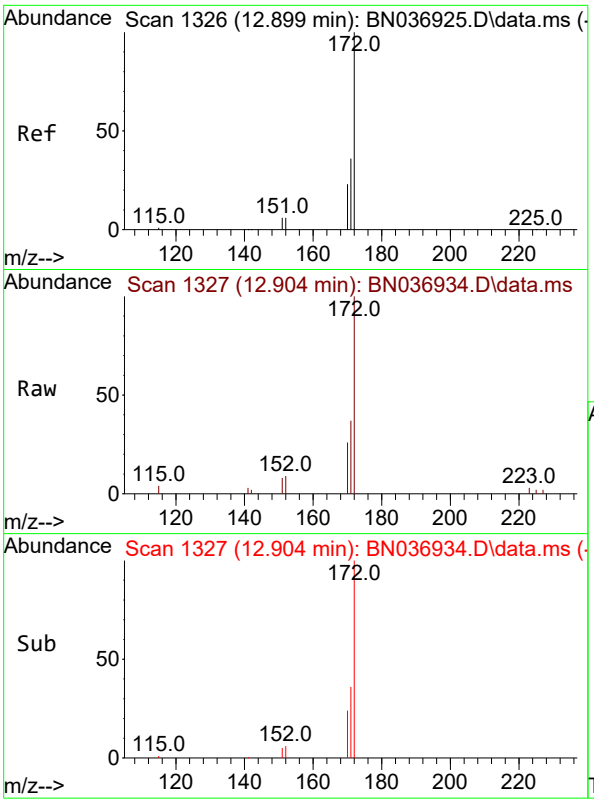


#14
2,4,6-Tribromophenol
Concen: 0.273 ng
RT: 15.780 min Scan# 1603
Delta R.T. 0.012 min
Lab File: BN036934.D
Acq: 29 Apr 2025 09:53

Tgt Ion:330 Resp: 349

Ion	Ratio	Lower	Upper
330	100		
332	94.0	76.3	114.5
141	54.2	45.4	68.2



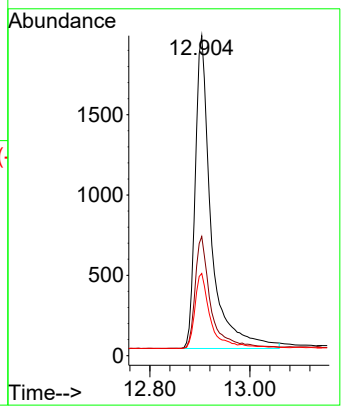


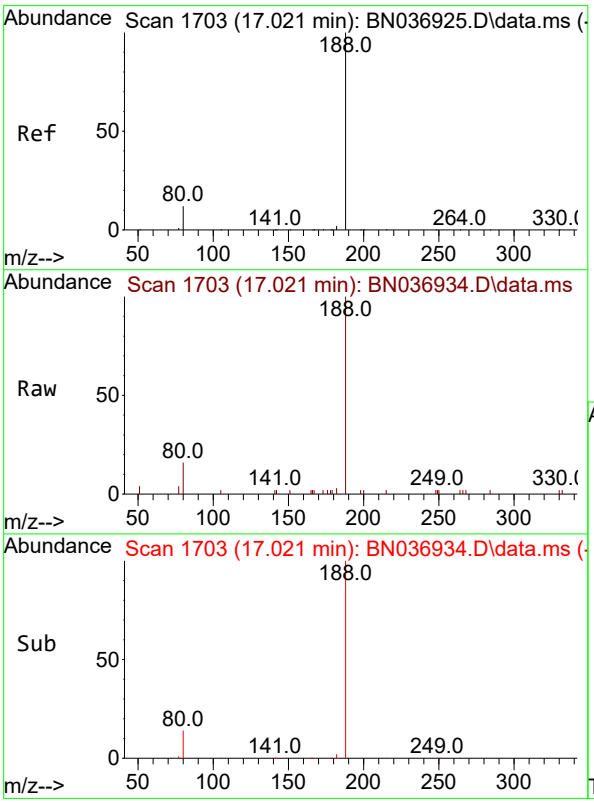
#15
2-Fluorobiphenyl
Concen: 0.354 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN036934.D
Acq: 29 Apr 2025 09:53

Instrument :
BNA_N
ClientSampleId :
PB167728BL

Tgt Ion:172 Resp: 4916

Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.4	44.0
170	25.7	19.4	29.0

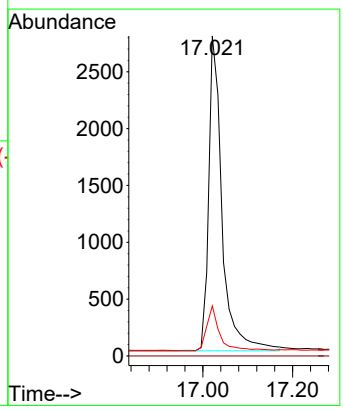


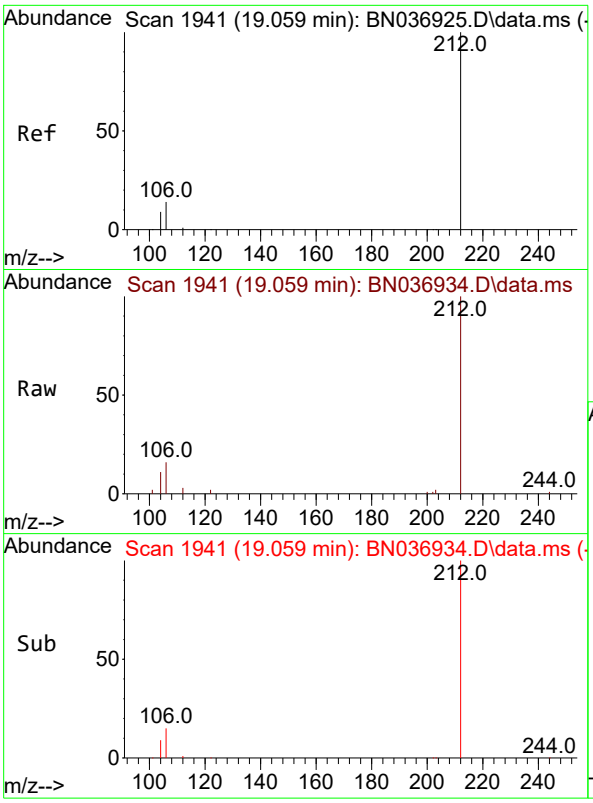


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.021 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BN036934.D
Acq: 29 Apr 2025 09:53

Tgt Ion:188 Resp: 5718

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.7	10.7	16.1



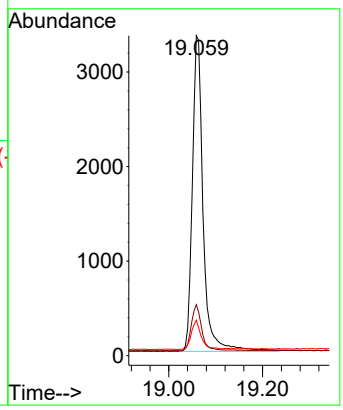


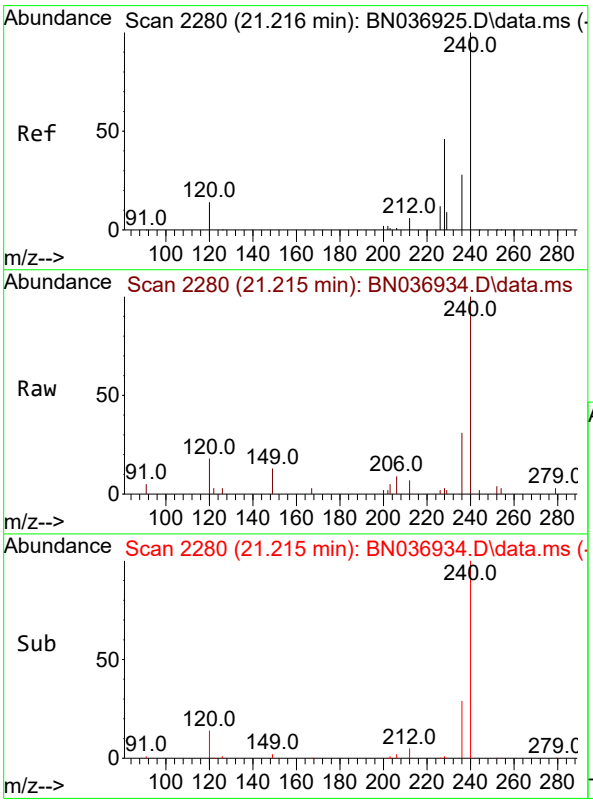
#27
Fluoranthene-d10
Concen: 0.358 ng
RT: 19.059 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN036934.D
Acq: 29 Apr 2025 09:53

Instrument :
BNA_N
ClientSampleId :
PB167728BL

Tgt Ion:212 Resp: 5308

Ion	Ratio	Lower	Upper
212	100		
106	14.0	11.6	17.4
104	8.8	7.0	10.4

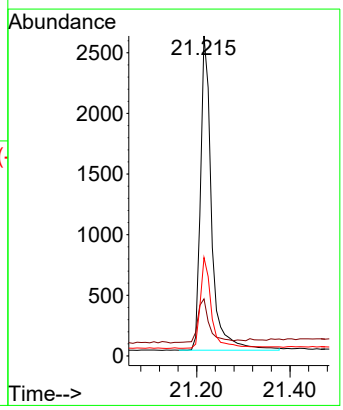


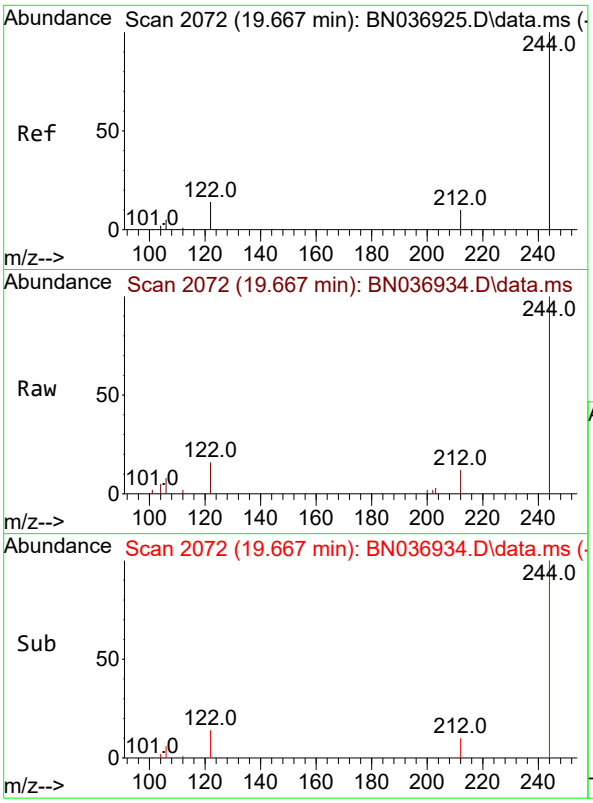


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.215 min Scan# 2280
Delta R.T. -0.000 min
Lab File: BN036934.D
Acq: 29 Apr 2025 09:53

Tgt Ion:240 Resp: 4280

Ion	Ratio	Lower	Upper
240	100		
120	17.8	14.1	21.1
236	30.8	23.8	35.8



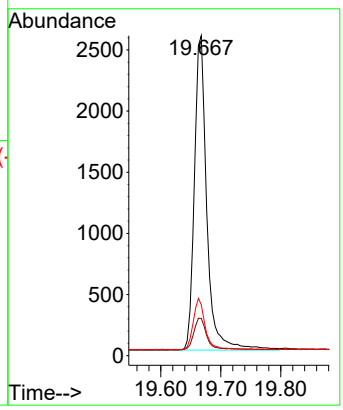


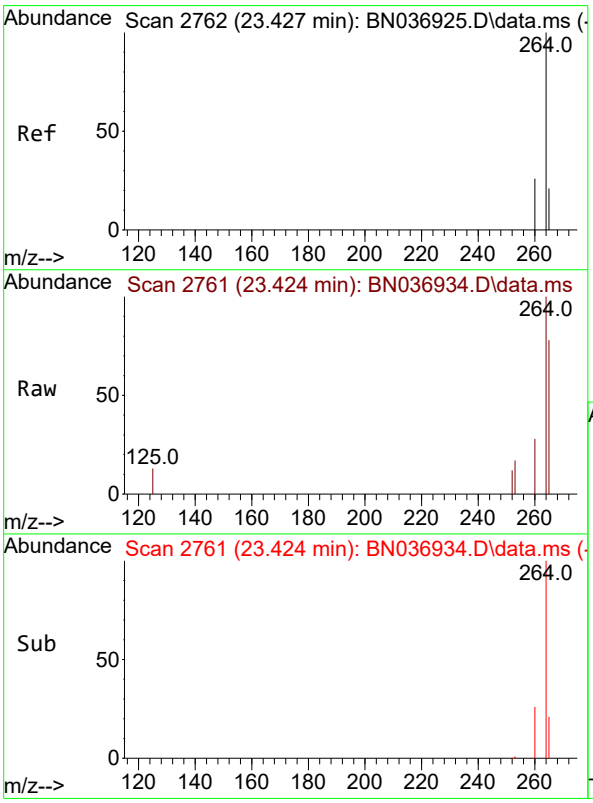
#31
Terphenyl-d14
Concen: 0.366 ng
RT: 19.667 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN036934.D
Acq: 29 Apr 2025 09:53

Instrument :
BNA_N
ClientSampleId :
PB167728BL

Tgt Ion:244 Resp: 3694

Ion	Ratio	Lower	Upper
244	100		
212	11.6	9.6	14.4
122	15.9	12.7	19.1

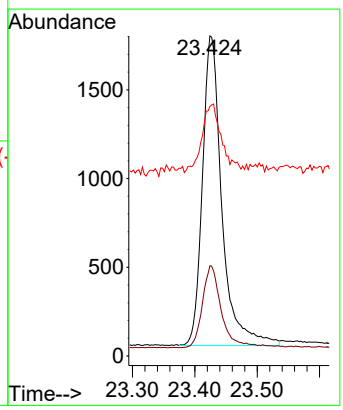




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.424 min Scan# 2761
Delta R.T. -0.003 min
Lab File: BN036934.D
Acq: 29 Apr 2025 09:53

Tgt Ion:264 Resp: 3789

Ion	Ratio	Lower	Upper
264	100		
260	28.2	22.2	33.2
265	77.9	65.8	98.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042925\
Data File : BN036939.D
Acq On : 29 Apr 2025 14:54
Operator : RC/JU
Sample : PB167728BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 29 17:05:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
PB167728BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/30/2025
Supervised By :Jagrut Upadhyay 04/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.633	152	2630	0.400	ng	0.00
7) Naphthalene-d8	10.415	136	6464	0.400	ng	0.00
13) Acenaphthene-d10	14.277	164	3313	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	6630	0.400	ng	0.00
29) Chrysene-d12	21.215	240	4615	0.400	ng	0.00
35) Perylene-d12	23.427	264	3648	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.228	112	2288	0.340	ng	0.00
5) Phenol-d6	6.802	99	2763	0.334	ng	0.00
8) Nitrobenzene-d5	8.781	82	2355	0.348	ng	0.00
11) 2-Methylnaphthalene-d10	12.006	152	3375m	0.373	ng	0.00
14) 2,4,6-Tribromophenol	15.767	330	425	0.288	ng	0.00
15) 2-Fluorobiphenyl	12.899	172	5876	0.367	ng	0.00
27) Fluoranthene-d10	19.059	212	5638	0.328	ng	0.00
31) Terphenyl-d14	19.667	244	3891	0.357	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.148	88	987	0.301	ng	# 29
3) n-Nitrosodimethylamine	3.458	42	2316	0.364	ng	# 96
6) bis(2-Chloroethyl)ether	7.062	93	2793	0.364	ng	100
9) Naphthalene	10.458	128	6723	0.357	ng	99
10) Hexachlorobutadiene	10.746	225	1495	0.367	ng	# 98
12) 2-Methylnaphthalene	12.082	142	4170	0.343	ng	99
16) Acenaphthylene	13.989	152	5922	0.366	ng	100
17) Acenaphthene	14.341	154	3799	0.357	ng	100
18) Fluorene	15.325	166	4845	0.348	ng	99
20) 4,6-Dinitro-2-methylph...	15.410	198	500	0.285	ng	# 84
21) 4-Bromophenyl-phenylether	16.227	248	1453	0.328	ng	97
22) Hexachlorobenzene	16.338	284	1684	0.347	ng	99
23) Atrazine	16.500	200	1212	0.339	ng	100
24) Pentachlorophenol	16.673	266	1129	0.434	ng	98
25) Phenanthrene	17.058	178	7651	0.350	ng	100
26) Anthracene	17.158	178	6917	0.349	ng	99
28) Fluoranthene	19.091	202	8047	0.328	ng	99
30) Pyrene	19.454	202	8127	0.366	ng	100
32) Benzo(a)anthracene	21.206	228	6248	0.368	ng	99
33) Chrysene	21.251	228	6782	0.370	ng	98
34) Bis(2-ethylhexyl)phtha...	21.144	149	3141	0.325	ng	100
36) Indeno(1,2,3-cd)pyrene	25.646	276	5275	0.354	ng	98
37) Benzo(b)fluoranthene	22.769	252	5467	0.356	ng	98
38) Benzo(k)fluoranthene	22.810	252	5750	0.373	ng	99
39) Benzo(a)pyrene	23.333	252	4786	0.380	ng	98
40) Dibenzo(a,h)anthracene	25.661	278	4085	0.348	ng	97
41) Benzo(g,h,i)perylene	26.324	276	4245	0.326	ng	99

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

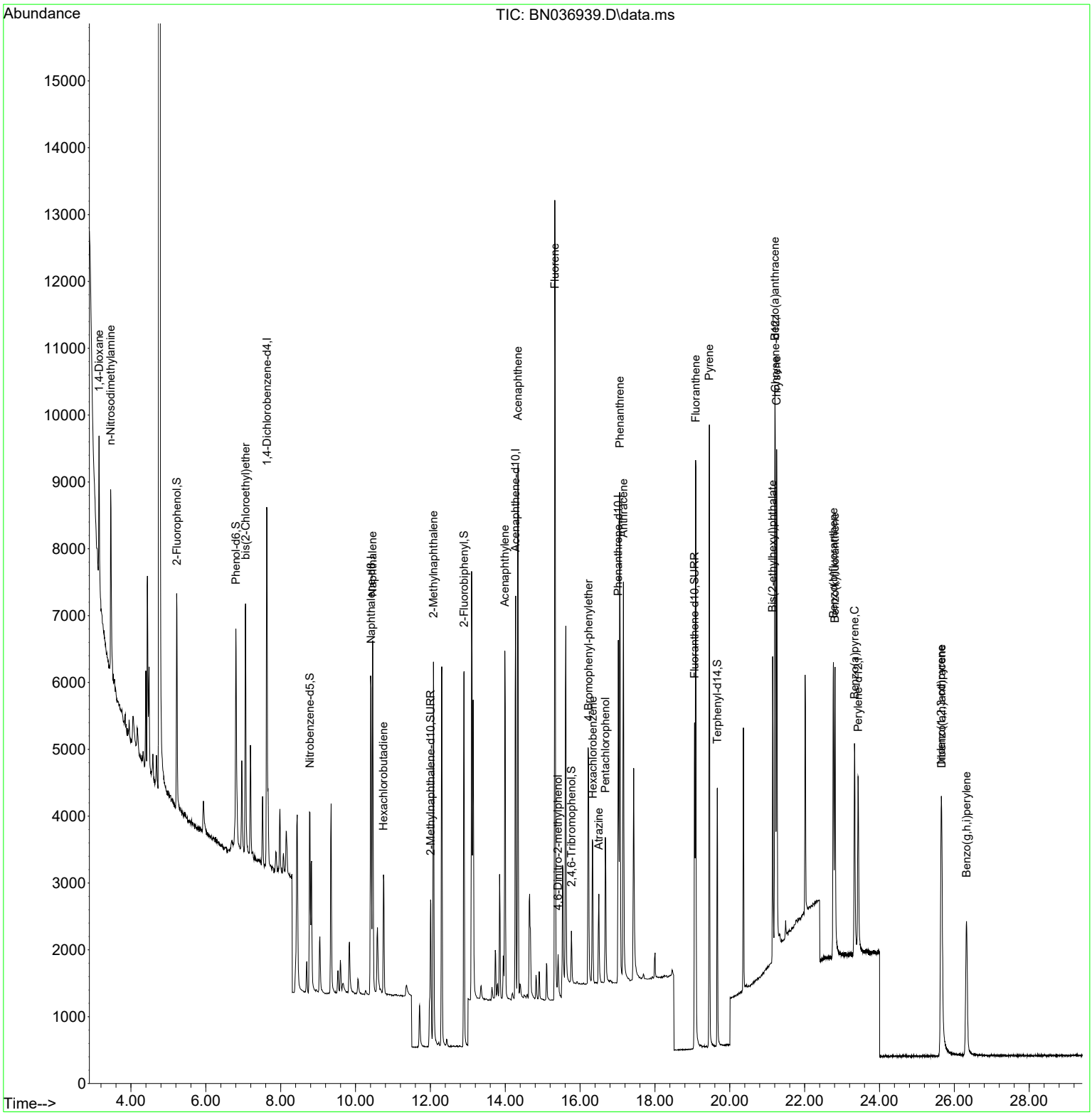
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042925\
Data File : BN036939.D
Acq On : 29 Apr 2025 14:54
Operator : RC/JU
Sample : PB167728BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 29 17:05:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
PB167728BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/30/2025
Supervised By :Jagrut Upadhyay 04/30/2025



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

Manual Integration Report

Sequence:	BN042825	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC0.1	BN036923.D	1,4-Dioxane	Rahul	4/29/2025 8:53:49 AM	Jagrut	4/29/2025 11:57:36 AM	Peak Integrated by Software
SSTDICC0.2	BN036924.D	1,4-Dioxane	Rahul	4/29/2025 8:53:52 AM	Jagrut	4/29/2025 11:57:39 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BN042925	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB167728BS	BN036939.D	2-Methylnaphthalene-d10	Rahul	4/30/2025 11:37:30 AM	Jagrut	4/30/2025 12:40:19 PM	Peak Integrated by Software

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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN042825

Review By	Rahul	Review On	4/29/2025 8:54:47 AM		
Supervise By	Jagrut	Supervise On	4/29/2025 11:57:54 AM		
SubDirectory	BN042825	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	BN042825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6738,SP6736,SP6735,SP6734,SP6733,SP6732,SP6731
CCC	SP6735
Internal Standard/PEM	SP6740,1ul/100ul sample
ICV/I.BLK	SP6768
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN036922.D	28 Apr 2025 10:56	RC/JU	Ok
2	SSTDICC0.1	BN036923.D	28 Apr 2025 11:35	RC/JU	Ok,M
3	SSTDICC0.2	BN036924.D	28 Apr 2025 12:11	RC/JU	Ok,M
4	SSTDICCC0.4	BN036925.D	28 Apr 2025 12:47	RC/JU	Ok
5	SSTDICC0.8	BN036926.D	28 Apr 2025 13:24	RC/JU	Ok
6	SSTDICC1.6	BN036927.D	28 Apr 2025 14:00	RC/JU	Ok
7	SSTDICC3.2	BN036928.D	28 Apr 2025 14:36	RC/JU	Ok
8	SSTDICC5.0	BN036929.D	28 Apr 2025 15:12	RC/JU	Ok
9	SSTDICV0.4	BN036930.D	28 Apr 2025 15:51	RC/JU	Ok
10	PB167430BL	BN036931.D	28 Apr 2025 17:39	RC/JU	Not Ok

M : Manual Integration

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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN042925

Review By	Rahul	Review On	4/30/2025 11:39:11 AM		
Supervise By	Jagrut	Supervise On	5/7/2025 1:59:53 PM		
SubDirectory	BN042925	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	BN042825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6738,SP6736,SP6735,SP6734,SP6733,SP6732,SP6731
CCC	SP6735
Internal Standard/PEM	SP6740,1ul/100ul sample
ICV/I.BLK	SP6768
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN036932.D	29 Apr 2025 08:38	RC/JU	Ok
2	SSTDCCC0.4	BN036933.D	29 Apr 2025 09:17	RC/JU	Ok
3	PB167728BL	BN036934.D	29 Apr 2025 09:53	RC/JU	Ok
4	Q1502-21DL	BN036935.D	29 Apr 2025 10:46	RC/JU	Ok
5	Q1870-01	BN036936.D	29 Apr 2025 13:05	RC/JU	Dilution
6	Q1870-01DL	BN036937.D	29 Apr 2025 13:41	RC/JU	Dilution
7	Q1870-01DL2	BN036938.D	29 Apr 2025 14:17	RC/JU	Ok
8	PB167728BS	BN036939.D	29 Apr 2025 14:54	RC/JU	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN042825

Review By	Rahul	Review On	4/29/2025 8:54:47 AM	
Supervise By	Jagrut	Supervise On	4/29/2025 11:57:54 AM	
SubDirectory	BN042825	HP Acquire Method	BNA_N, 8270_HP Processing Method	BN042825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6738,SP6736,SP6735,SP6734,SP6733,SP6732,SP6731
CCC	SP6735
Internal Standard/PEM	SP6740,1ul/100ul sample
ICV/I.BLK	SP6768
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN036922.D	28 Apr 2025 10:56		RC/JU	Ok
2	SSTDICC0.1	SSTDICC0.1	BN036923.D	28 Apr 2025 11:35	Compound#20 removed from 0.1 ppm	RC/JU	Ok,M
3	SSTDICC0.2	SSTDICC0.2	BN036924.D	28 Apr 2025 12:11		RC/JU	Ok,M
4	SSTDICCC0.4	SSTDICCC0.4	BN036925.D	28 Apr 2025 12:47		RC/JU	Ok
5	SSTDICC0.8	SSTDICC0.8	BN036926.D	28 Apr 2025 13:24		RC/JU	Ok
6	SSTDICC1.6	SSTDICC1.6	BN036927.D	28 Apr 2025 14:00		RC/JU	Ok
7	SSTDICC3.2	SSTDICC3.2	BN036928.D	28 Apr 2025 14:36		RC/JU	Ok
8	SSTDICC5.0	SSTDICC5.0	BN036929.D	28 Apr 2025 15:12		RC/JU	Ok
9	SSTDICV0.4	ICVBN042825	BN036930.D	28 Apr 2025 15:51		RC/JU	Ok
10	PB167430BL	PB167430BL	BN036931.D	28 Apr 2025 17:39	Internal Standard Fail, Analyzed for contamination check	RC/JU	Not Ok

M : Manual Integration

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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN042925

Review By	Rahul	Review On	4/30/2025 11:39:11 AM	
Supervise By	Jagrut	Supervise On	5/7/2025 1:59:53 PM	
SubDirectory	BN042925	HP Acquire Method	BNA_N, 8270_HP Processing Method	BN042825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6738,SP6736,SP6735,SP6734,SP6733,SP6732,SP6731
CCC	SP6735
Internal Standard/PEM	SP6740,1ul/100ul sample
ICV/I.BLK	SP6768
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN036932.D	29 Apr 2025 08:38		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN036933.D	29 Apr 2025 09:17		RC/JU	Ok
3	PB167728BL	PB167728BL	BN036934.D	29 Apr 2025 09:53		RC/JU	Ok
4	Q1502-21DL	RR-PAH-WPDL	BN036935.D	29 Apr 2025 10:46		RC/JU	Ok
5	Q1870-01	38072-010925	BN036936.D	29 Apr 2025 13:05	PT Sample, Need 50X Dilution	RC/JU	Dilution
6	Q1870-01DL	38072-010925DL	BN036937.D	29 Apr 2025 13:41	Need 500X dilution	RC/JU	Dilution
7	Q1870-01DL2	38072-010925DL2	BN036938.D	29 Apr 2025 14:17		RC/JU	Ok
8	PB167728BS	PB167728BS	BN036939.D	29 Apr 2025 14:54		RC/JU	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167728

SOP ID:	M3510C,3580A-Extraction SVOC-20				
Clean Up SOP #:	N/A			**Extraction Start Date :**	04/24/2025
Matrix :	Water			**Extraction Start Time :**	12:05
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	04/24/2025
Balance check:	N/A	**Filter By:**	RJ	**Extraction End Time :**	17:00
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3880	**Hood ID:**	4,6,7	**Supervisor By :**	RUPESH

Extraction Method: [√] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	0.4 PPM	SP6739
Surrogate	1.0ML	0.4 PPM	SP6758
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	EP2604
10N NaoH	N/A	EP2559
H2SO4 1:1	N/A	EP2565
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH.

KD Bath ID:	WATER BATH-1	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
4/24/25	RS (Ext lab)	JH / SVOC
17:05	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167728

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 04/24/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167728BL	SBLK728	SVOCMS Group5	1000	6	RUPESH	ritesh	1			SEP-1
PB167728BS	SLCS728	SVOCMS Group5	1000	6	RUPESH	ritesh	1			2
Q1870-01	38072-010925	SVOCMS Group5	1000	6	RUPESH	ritesh	1			3

RS 4/24

* **Extracts relinquished on the same date as received.**

Q1870 6/7/25 12:15 MM

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1870 **WorkList ID :** 189128 **Department :** Extraction **Date :** 04-24-2025 12:02:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1870-01	38072-010925	Water	SVOCMS Group5	Cool 4 deg C	ALLI03	QA Of	04/21/2025	8270-Modified
Q1870-03	38073-100124	Water	SVOCMS Group2	Cool 4 deg C	ALLI03	QA Of	04/22/2025	8270E

163 of 168

Date/Time 4/24/25 12:03
Raw Sample Received by: RS (Ext Lab)
Raw Sample Relinquished by: SJ (QAO)

Date/Time NA
Raw Sample Received by: N/A
Raw Sample Relinquished by: N/A

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

LAB CHRONICLE

OrderID:	Q1870	**OrderDate:**	4/24/2025 11:31:00 AM
Client:	Alliance Technical Group, LLC - Newark	**Project:**	NJ Waste Water PT
Contact:	Mohammad Ahmed	**Location:**	QA Office

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1870-01	**38072-010925**	**Water**			**04/21/25**			**04/23/25**
			SVOCMS Group5	8270-Modified		04/24/25	04/29/25	
Q1870-01DL	**38072-010925DL**	**Water**			**04/21/25**			**04/23/25**
			SVOCMS Group5	8270-Modified		04/24/25	04/29/25	
Q1870-01DL2	**38072-010925DL2**	**Water**			**04/21/25**			**04/23/25**
			SVOCMS Group5	8270-Modified		04/24/25	04/29/25	
Q1870-03	**38073-100124**	**Water**			**04/22/25**			**04/24/25**
			SVOCMS Group2	8270E		04/24/25	04/29/25	

SHIPPING DOCUMENTS

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Packing Slip

SHIP TO:
Attn: **Sohil Jodhani**
Alliance Technical Group NJ
284 Sheffield St.

Mountainside, NJ 07092 -

Purchase Order # .
Packing Order #: 246634

Rereived by: SJ
4/23/25
12:00

Order #: **246634**
Order Date: 4/21/2025
Order Time: 9:46:18 AM
Your Account #: **3552**
Sales Person: Chris Dippold
Inspected By: Chris Dippold

PART #	LOT #	DESCRIPTION	Unit Size	QTY
		Quick Turn Around		
38072	010925	PT Semi-Volatiles in Non-Potable Water - CLP - FEDEX# 2356-9742-4	2 mL	1

Ship Via: Ground Collect

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Packing Slip

SHIP TO:
Attn: **Sohil Jodhani**
Alliance Technical Group NJ
284 Sheffield St.

Mountainside, NJ 07092 -

Received by: SJ
4/24/25
12:00

Purchase Order # **PO2-2004**
Packing Order #: 246699

Order #: **246699**
Order Date: 4/22/2025
Order Time: 2:38:14 PM
Your Account #: **3552**
Sales Person: **Chris Dippold**
Inspected By: **Chris Dippold**

PART #	LOT #	DESCRIPTION	Unit Size	QTY
		Quick Turn Around		
38073	100124	PT Semi-Volatiles in Non-Potable Water - CLP - FEDEX# 2356-9742-4	2 mL	1

Ship Via: Ground Collect

THIS IS NOT AN INVOICE, TERMS: NET 30 DAYS, FOB HAMDEN, CT

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