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

Cover Page

Order ID : Q1858

Project ID : Henry Lea School

Client : Kleinfelder

Lab Sample Number	Client Sample Number
Q1858-01	COMP-1
Q1858-02	COMP-2
Q1858-03	COMP-3

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

Signature : _____

Date: 4/26/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

Kleinfelder
Project Name: Henry Lea School
Project # N/A
Chemtech Project # Q1858
Test Name: SVOCMS Group1

A. Number of Samples and Date of Receipt:
3 Solid samples were received on 04/22/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, Hexavalent Chromium, Mercury, Metals Group1, Metals ICP-Group1, PCB Group1, PESTICIDE Group1, SVOCMS Group1, Trivalent Chromium and VOCMS Group1. This data package contains results for SVOCMS Group1.

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 samples were analyzed on instrument BNA_P using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOCMS Group1 was based on method 8270E and extraction was done based on method 3541.

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 MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
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 8 points.
The soil samples results are based on a dry weight basis.

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

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q1858**

	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: **PRADIP PRAJAPATI** **Date:** **04/26/2025**

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

LAB CHRONICLE

OrderID:	Q1858	**OrderDate:**	4/22/2025 2:54:00 PM
Client:	Kleinfelder	**Project:**	Henry Lea School
Contact:	Mark Warchol	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1858-01	**COMP-1**	**SOIL**			**04/21/25**			**04/22/25**
			SVOCMS Group1	8270E		04/23/25	04/23/25	
Q1858-02	**COMP-2**	**SOIL**			**04/21/25**			**04/22/25**
			SVOCMS Group1	8270E		04/23/25	04/23/25	
Q1858-03	**COMP-3**	**SOIL**			**04/21/25**			**04/22/25**
			SVOCMS Group1	8270E		04/23/25	04/23/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q1858

Client: Kleinfelder

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : COMP-1								
Q1858-01	COMP-1	SOIL	Phenanthrene	97.100	J	24.9	200	ug/Kg
Q1858-01	COMP-1	SOIL	Pyrene	96.100	J	42.8	200	ug/Kg
			Total Svoc :	**193.20**				
			Total Concentration:	**193.20**				
Client ID : COMP-2								
Q1858-02	COMP-2	SOIL	Phenanthrene	220.000		25.7	210	ug/Kg
Q1858-02	COMP-2	SOIL	Pyrene	280.000		44.2	210	ug/Kg
Q1858-02	COMP-2	SOIL	Benzo(a)anthracene	160.000	J	28.3	210	ug/Kg
Q1858-02	COMP-2	SOIL	Chrysene	170.000	J	24.5	210	ug/Kg
Q1858-02	COMP-2	SOIL	Benzo(b)fluoranthene	200.000	J	23.3	210	ug/Kg
Q1858-02	COMP-2	SOIL	Benzo(a)pyrene	150.000	J	36.2	210	ug/Kg
Q1858-02	COMP-2	SOIL	Indeno(1,2,3-cd)pyrene	86.100	J	35.8	210	ug/Kg
Q1858-02	COMP-2	SOIL	Benzo(g,h,i)perylene	110.000	J	31.6	210	ug/Kg
			Total Svoc :	**1,376.10**				
			Total Concentration:	**1,376.10**				
Client ID : COMP-3								
Q1858-03	COMP-3	SOIL	Phenanthrene	150.000	J	22.9	190	ug/Kg
Q1858-03	COMP-3	SOIL	Pyrene	92.500	J	39.4	190	ug/Kg
			Total Svoc :	**242.50**				
			Total Concentration:	**242.50**				

QC SUMMARY

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

Surrogate Summary

SW-846

SDG No.: Q1858

Client: Kleinfelder

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167711BL	PB167711BL	Nitrobenzene-d5	100	91.5	92		18	107
		2-Fluorobiphenyl	100	92.2	92		20	109
		Terphenyl-d14	100	98.5	98		10	105
PB167711BS	PB167711BS	Nitrobenzene-d5	100	90.4	90		18	107
		2-Fluorobiphenyl	100	89.9	90		20	109
		Terphenyl-d14	100	101	101		10	105
Q1852-07MS	72-12013MS	Nitrobenzene-d5	100	69.4	69		18	107
		2-Fluorobiphenyl	100	67.1	67		20	109
		Terphenyl-d14	100	65.1	65		10	105
Q1852-07MSD	72-12013MSD	Nitrobenzene-d5	100	68.6	69		18	107
		2-Fluorobiphenyl	100	63.7	64		20	109
		Terphenyl-d14	100	63.1	63		10	105
Q1858-01	COMP-1	Nitrobenzene-d5	100	56.5	56		18	107
		2-Fluorobiphenyl	100	52.9	53		20	109
		Terphenyl-d14	100	54.7	55		10	105
Q1858-02	COMP-2	Nitrobenzene-d5	100	62.9	63		18	107
		2-Fluorobiphenyl	100	57.2	57		20	109
		Terphenyl-d14	100	58.4	58		10	105
Q1858-03	COMP-3	Nitrobenzene-d5	100	49.8	50		18	107
		2-Fluorobiphenyl	100	47.3	47		20	109
		Terphenyl-d14	100	54.1	54		10	105

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1858

Client: Kleinfelder

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1852-07MS		**Client Sample ID: 72-12013MS**						**DataFile:**	**BM050013.D**		
Naphthalene	1100	0	990	ug/Kg	90				72	110	
Fluorene	1100	0	1000	ug/Kg	91				68	116	
Phenanthrene	1100	0	1100	ug/Kg	100				52	128	
Anthracene	1100	0	1100	ug/Kg	100				62	124	
Pyrene	1100	0	1000	ug/Kg	91				26	142	
Benzo(a)anthracene	1100	0	1100	ug/Kg	100				71	114	
Chrysene	1100	0	1100	ug/Kg	100				57	121	
Benzo(b)fluoranthene	1100	0	1100	ug/Kg	100				67	121	
Benzo(a)pyrene	1100	0	1200	ug/Kg	109				70	142	
Indeno(1,2,3-cd)pyrene	1100	0	1100	ug/Kg	100				40	129	
Benzo(g,h,i)perylene	1100	0	1000	ug/Kg	91				24	125	

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1858

Client: Kleinfelder

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1852-07MSD		**Client Sample ID: 72-12013MSD**						**DataFile: BM050014.D**			
Naphthalene	1100	0	970	ug/Kg	88		2		72	110	20
Fluorene	1100	0	990	ug/Kg	90		1		68	116	20
Phenanthrene	1100	0	1000	ug/Kg	91		9		52	128	20
Anthracene	1100	0	1100	ug/Kg	100		0		62	124	20
Pyrene	1100	0	990	ug/Kg	90		1		26	142	20
Benzo(a)anthracene	1100	0	1100	ug/Kg	100		0		71	114	20
Chrysene	1100	0	1000	ug/Kg	91		9		57	121	20
Benzo(b)fluoranthene	1100	0	1000	ug/Kg	91		9		67	121	20
Benzo(a)pyrene	1100	0	1100	ug/Kg	100		9		70	142	20
Indeno(1,2,3-cd)pyrene	1100	0	1100	ug/Kg	100		0		40	129	20
Benzo(g,h,i)perylene	1100	0	970	ug/Kg	88		3		24	125	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1858

Client: Kleinfelder

Analytical Method: 8270E **DataFile:** BP024409.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167711BS	Naphthalene	1700	1500	ug/Kg	88				62	100	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Pyrene	1700	1700	ug/Kg	100				59	103	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1700	ug/Kg	100				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108	

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167711BL

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: Q1858 SAS No.: Q1858 SDG NO.: Q1858

Lab File ID: BP024408.D Lab Sample ID: PB167711BL

Instrument ID: BNA_P Date Extracted: 04/23/2025

Matrix: (soil/water) SOIL Date Analyzed: 04/24/2025

Level: (low/med) LOW Time Analyzed: 12:31

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167711BS	PB167711BS	BP024409.D	04/24/2025
72-12013MS	Q1852-07MS	BM050013.D	04/23/2025
72-12013MSD	Q1852-07MSD	BM050014.D	04/23/2025
COMP-1	Q1858-01	BM050015.D	04/23/2025
COMP-2	Q1858-02	BM050016.D	04/23/2025
COMP-3	Q1858-03	BM050017.D	04/23/2025

COMMENTS:

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM SAS No.: Q1858 SDG NO.: Q1858

Lab File ID: BM049847.D DFTPP Injection Date: 04/08/2025

Instrument ID: BNA_M DFTPP Injection Time: 12:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	22.1
68	Less than 2.0% of mass 69	0.3 (1.2) 1
69	Mass 69 relative abundance	26.5
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	34.9
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	26.5
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	12.4
442	Greater than 50% of mass 198	81.2
443	15.0 - 24.0% of mass 442	15.3 (18.8) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BM049848.D	04/08/2025	13:35
SSTDICC005	SSTDICC005	BM049849.D	04/08/2025	14:14
SSTDICC010	SSTDICC010	BM049850.D	04/08/2025	14:53
SSTDICC020	SSTDICC020	BM049851.D	04/08/2025	15:32
SSTDICCC040	SSTDICCC040	BM049852.D	04/08/2025	16:12
SSTDICC050	SSTDICC050	BM049853.D	04/08/2025	17:30
SSTDICC060	SSTDICC060	BM049854.D	04/08/2025	19:28
SSTDICC080	SSTDICC080	BM049855.D	04/08/2025	20:07

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM SAS No.: Q1858 SDG NO.: Q1858

Lab File ID: BM050006.D DFTPP Injection Date: 04/23/2025

Instrument ID: BNA_M DFTPP Injection Time: 09:18

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	21
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	25.4
70	Less than 2.0% of mass 69	0.1 (0.6) 1
127	10.0 - 80.0% of mass 198	32.7
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	6.9
275	10.0 - 60.0% of mass 198	26.3
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	11.7
442	Greater than 50% of mass 198	75.4
443	15.0 - 24.0% of mass 442	14.7 (19.5) 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	BM050007.D	04/23/2025	10:38
72-12013MS	Q1852-07MS	BM050013.D	04/23/2025	14:37
72-12013MSD	Q1852-07MSD	BM050014.D	04/23/2025	15:16
COMP-1	Q1858-01	BM050015.D	04/23/2025	15:55
COMP-2	Q1858-02	BM050016.D	04/23/2025	16:35
COMP-3	Q1858-03	BM050017.D	04/23/2025	17:14

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM SAS No.: Q1858 SDG NO.: Q1858

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

Instrument ID: BNA_P DFTPP Injection Time: 10:25

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

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

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

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

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM SAS No.: Q1858 SDG NO.: Q1858

Lab File ID: BP024406.D DFTPP Injection Date: 04/24/2025

Instrument ID: BNA_P DFTPP Injection Time: 11:10

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	26.2
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	30.1
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	42.2
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6
275	10.0 - 60.0% of mass 198	27.3
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (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
SSTDCCC040	SSTDCCC040	BP024407.D	04/24/2025	11:50
PB167711BL	PB167711BL	BP024408.D	04/24/2025	12:31
PB167711BS	PB167711BS	BP024409.D	04/24/2025	13:12

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1858 SAS No.: Q1858 SDG NO.: Q1858

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/23/2025

Lab File ID: BM050007.D Time Analyzed: 10:38

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	307209	7.763	1029600	10.56	636547	14.41
	UPPER LIMIT	614418	8.263	2059200	11.057	1273090	14.91
	LOWER LIMIT	153605	7.263	514800	10.057	318274	13.91
	EPA SAMPLE NO.						
01	72-12013MS	287884	7.76	952796	10.56	566920	14.41
02	72-12013MSD	270803	7.76	919060	10.56	576233	14.41
03	COMP-1	268192	7.76	920312	10.56	612241	14.41
04	COMP-2	281365	7.76	963050	10.56	635987	14.41
05	COMP-3	296499	7.76	1032150	10.56	691467	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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1858 SAS No.: Q1858 SDG NO.: Q1858

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/23/2025

Lab File ID: BM050007.D Time Analyzed: 10:38

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	1225580	17.157	1143350	21.398	1143260	24.403
	UPPER LIMIT	2451160	17.657	2286700	21.898	2286520	24.903
	LOWER LIMIT	612790	16.657	571675	20.898	571630	23.903
	EPA SAMPLE NO.						
01	72-12013MS	1079720	17.16	1168530	21.40	1272700	24.40
02	72-12013MSD	1111720	17.16	1219360	21.40	1284690	24.40
03	COMP-1	1242940	17.16	1324640	21.40	1398710	24.40
04	COMP-2	1306190	17.16	1368420	21.40	1421970	24.40
05	COMP-3	1437930	17.16	1425720	21.40	1479400	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.

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1858 SAS No.: Q1858 SDG NO.: Q1858

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/24/2025

Lab File ID: BP024407.D Time Analyzed: 11:50

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	264641	7.716	1170080	10.49	779721	14.35
	UPPER LIMIT	529282	8.216	2340160	10.987	1559440	14.845
	LOWER LIMIT	132321	7.216	585040	9.987	389861	13.845
	EPA SAMPLE NO.						
01	PB167711BL	288156	7.72	1116360	10.49	654539	14.34
02	PB167711BS	253522	7.72	1075220	10.49	697166	14.35

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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1858 SAS No.: Q1858 SDG NO.: Q1858

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/24/2025

Lab File ID: BP024407.D Time Analyzed: 11:50

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1570090	17.145	1711310	21.592	1789710	24.91
	UPPER LIMIT	3140180	17.645	3422620	22.092	3579420	25.41
	LOWER LIMIT	785045	16.645	855655	21.092	894855	24.41
	EPA SAMPLE NO.						
01	PB167711BL	1181170	17.13	1074960	21.57	1210800	24.92
02	PB167711BS	1340060	17.15	1256050	21.59	1241820	24.90

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

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

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

SAMPLE DATA

Raw Data: **BM050015.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	04/21/25
Project:	Henry Lea School			Date Received:	04/22/25
Client Sample ID:	COMP-1			SDG No.:	Q1858
Lab Sample ID:	Q1858-01			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	83.9
Sample Wt/Vol:	30.06	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050015.D	1	04/23/25 09:20	04/23/25 15:55	PB167711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	27.0	U	27.0	200	ug/Kg
86-73-7	Fluorene	30.1	U	30.1	200	ug/Kg
85-01-8	Phenanthrene	97.1	J	24.9	200	ug/Kg
120-12-7	Anthracene	39.6	U	39.6	200	ug/Kg
129-00-0	Pyrene	96.1	J	42.8	200	ug/Kg
56-55-3	Benzo(a)anthracene	27.4	U	27.4	200	ug/Kg
218-01-9	Chrysene	23.7	U	23.7	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	22.6	U	22.6	200	ug/Kg
50-32-8	Benzo(a)pyrene	35.1	U	35.1	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34.6	U	34.6	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	30.6	U	30.6	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	56.5		18 - 107	56%	SPK: 100
321-60-8	2-Fluorobiphenyl	52.9		20 - 109	53%	SPK: 100
1718-51-0	Terphenyl-d14	54.7		10 - 105	55%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	268000	7.763			
1146-65-2	Naphthalene-d8	920000	10.557			
15067-26-2	Acenaphthene-d10	612000	14.41			
1517-22-2	Phenanthrene-d10	1240000	17.156			
1719-03-5	Chrysene-d12	1320000	21.397			
1520-96-3	Perylene-d12	1400000	24.403			

Raw Data: **BM050015.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	04/21/25
Project:	Henry Lea School			Date Received:	04/22/25
Client Sample ID:	COMP-1			SDG No.:	Q1858
Lab Sample ID:	Q1858-01			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	83.9
Sample Wt/Vol:	30.06	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050015.D	1	04/23/25 09:20	04/23/25 15:55	PB167711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
Data File : BM050015.D
Acq On : 23 Apr 2025 15:55
Operator : RC/JU
Sample : Q1858-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COMP-1

Quant Time: Apr 23 16:51:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

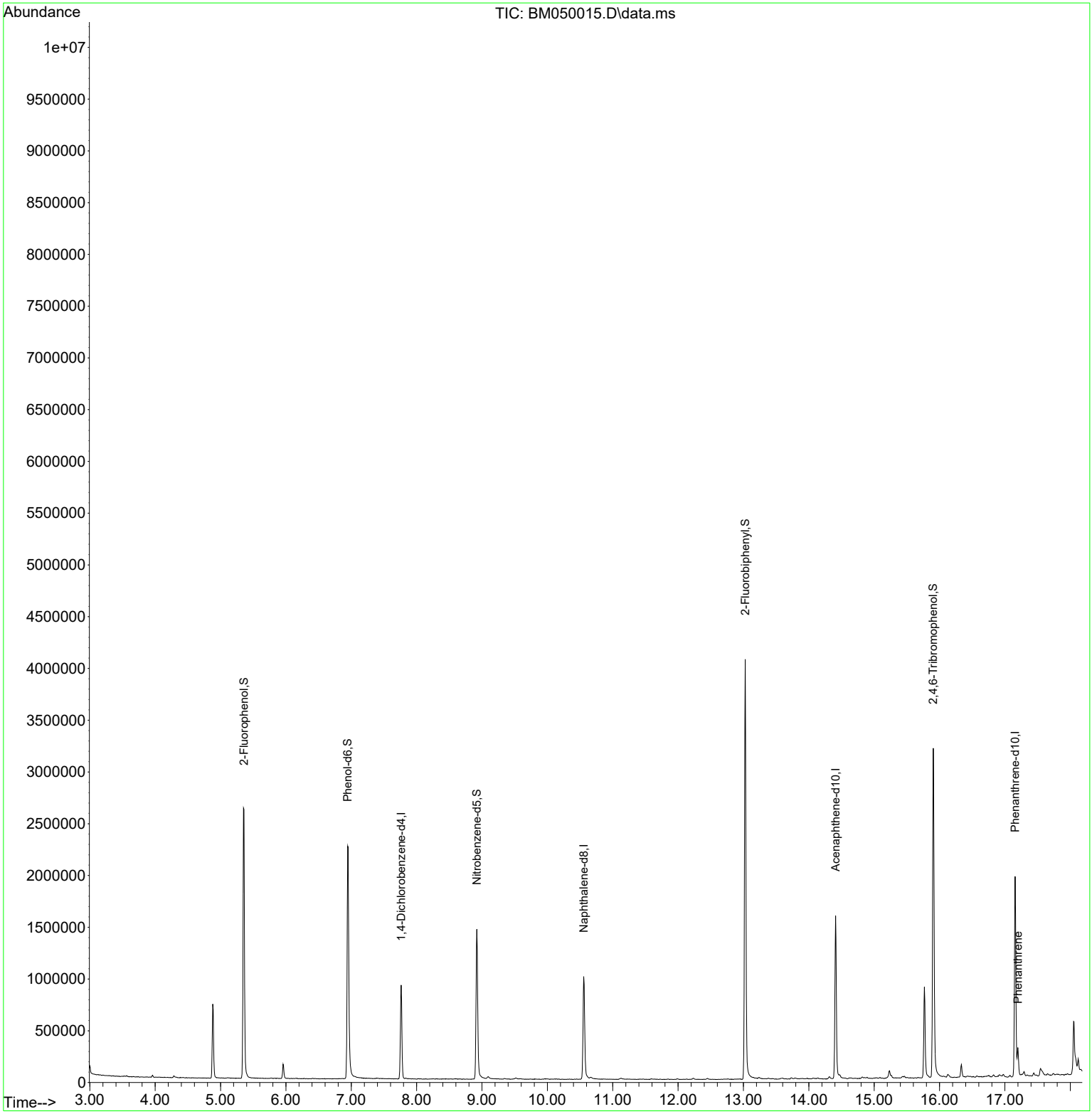
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	268192	20.000	ng	-0.02
21) Naphthalene-d8	10.557	136	920312	20.000	ng	-0.02
39) Acenaphthene-d10	14.410	164	612241	20.000	ng	-0.01
64) Phenanthrene-d10	17.156	188	1242938	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1324636	20.000	ng	0.00
86) Perylene-d12	24.403	264	1398709	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1263176	79.979	ng	0.00
7) Phenol-d6	6.945	99	1551306	78.945	ng	0.00
23) Nitrobenzene-d5	8.922	82	933733	56.497	ng	-0.01
42) 2,4,6-Tribromophenol	15.904	330	735934	82.640	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	2386764	52.863	ng	-0.02
79) Terphenyl-d14	19.780	244	3869225	54.740	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.198	178	166855	2.449	ng	98
75) Fluoranthene	19.215	202	232707	2.777	ng	99
78) Pyrene	19.580	202	221220	2.423	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
Data File : BM050015.D
Acq On : 23 Apr 2025 15:55
Operator : RC/JU
Sample : Q1858-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COMP-1

Quant Time: Apr 23 16:51:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

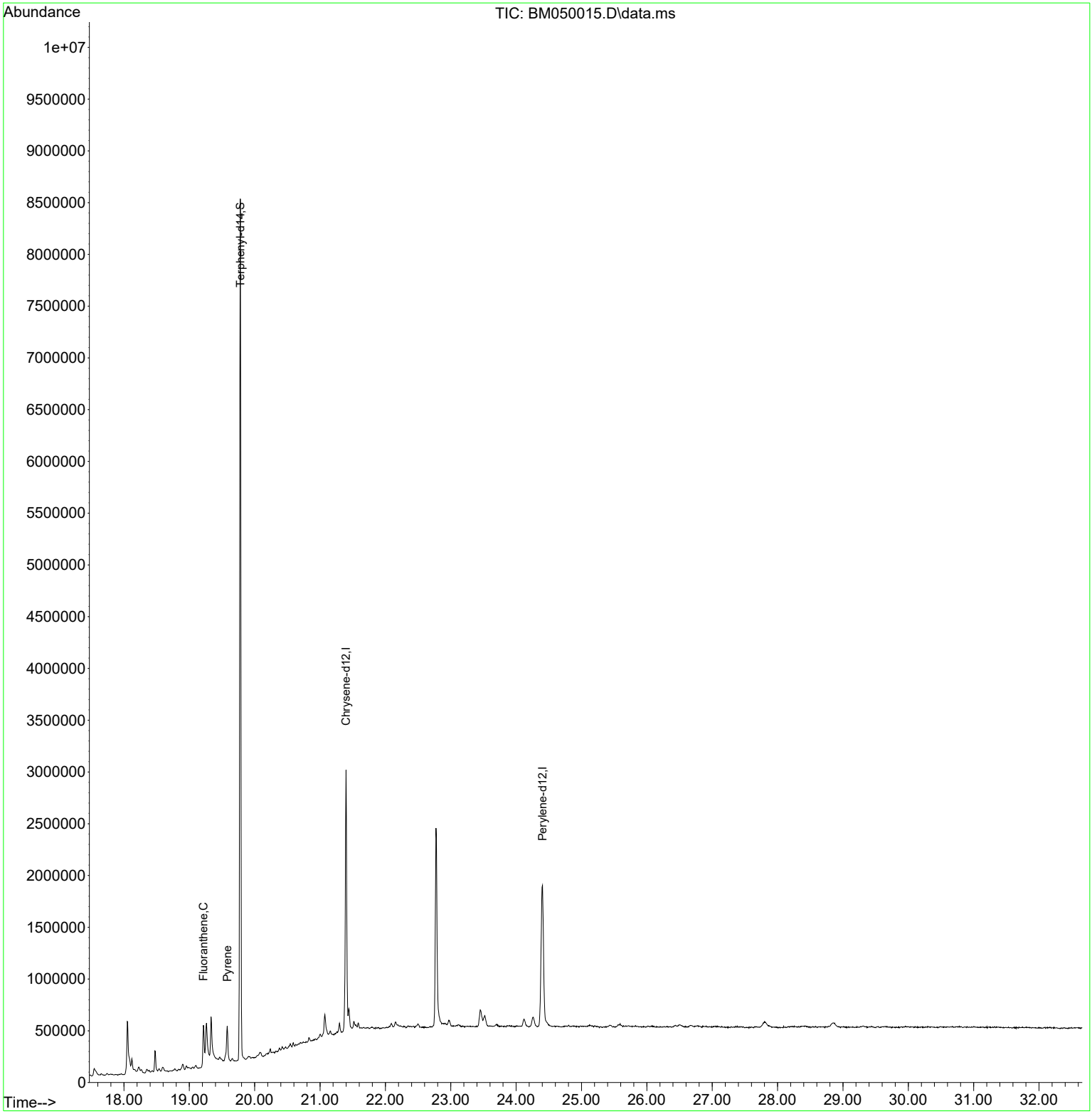


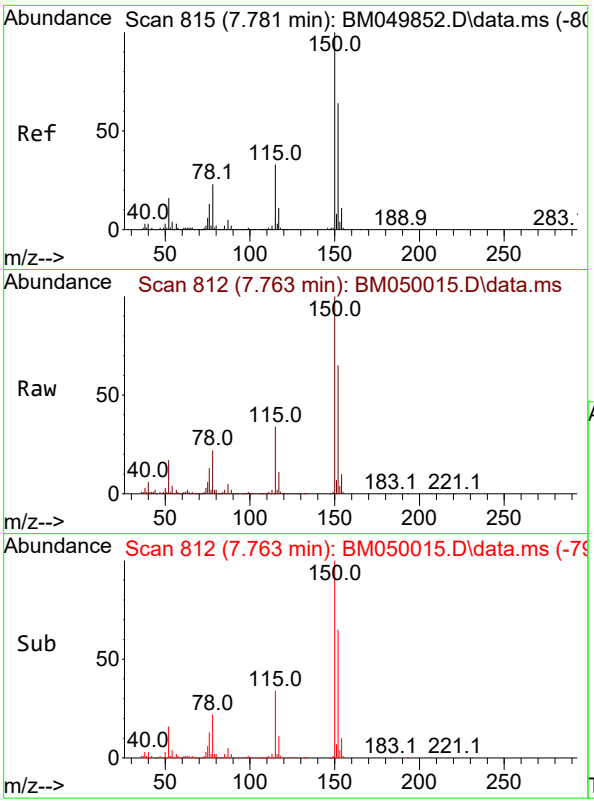
Sample Results: **BM050015.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
Data File : BM050015.D
Acq On : 23 Apr 2025 15:55
Operator : RC/JU
Sample : Q1858-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COMP-1

Quant Time: Apr 23 16:51:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



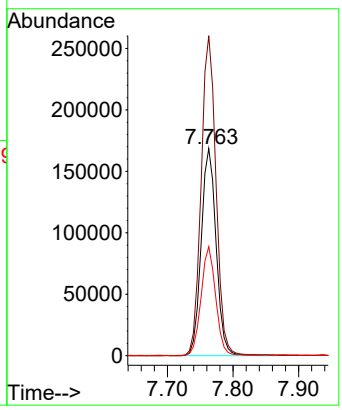


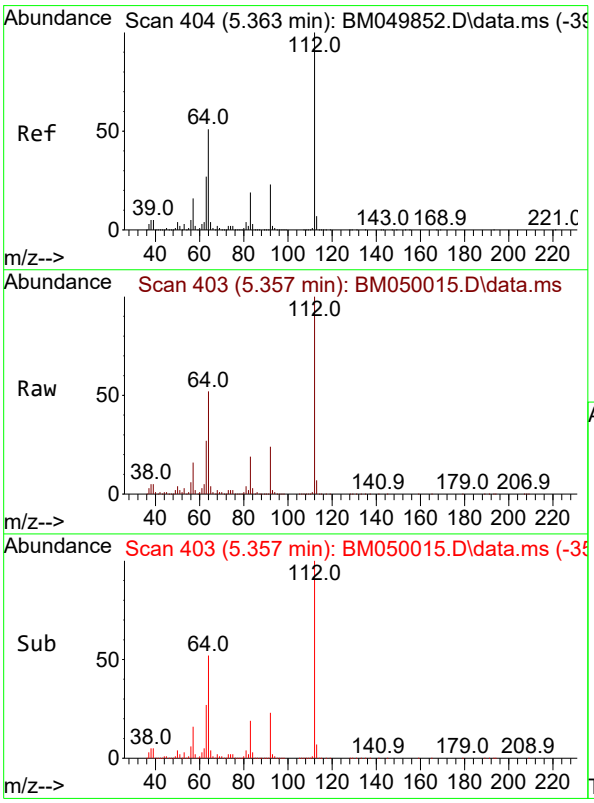
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 8
Delta R.T. -0.018 min
Lab File: BM050015.D
Acq: 23 Apr 2025 15:55

Instrument :
BNA_M
ClientSampleId :
COMP-1

Tgt Ion:152 Resp: 268192

Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.3	186.5
115	52.6	41.1	61.7

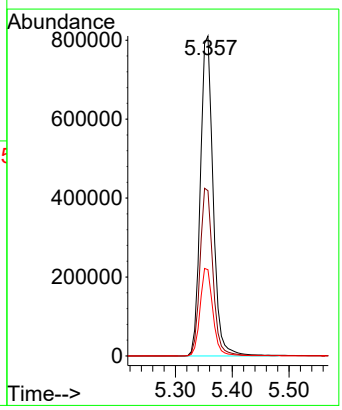


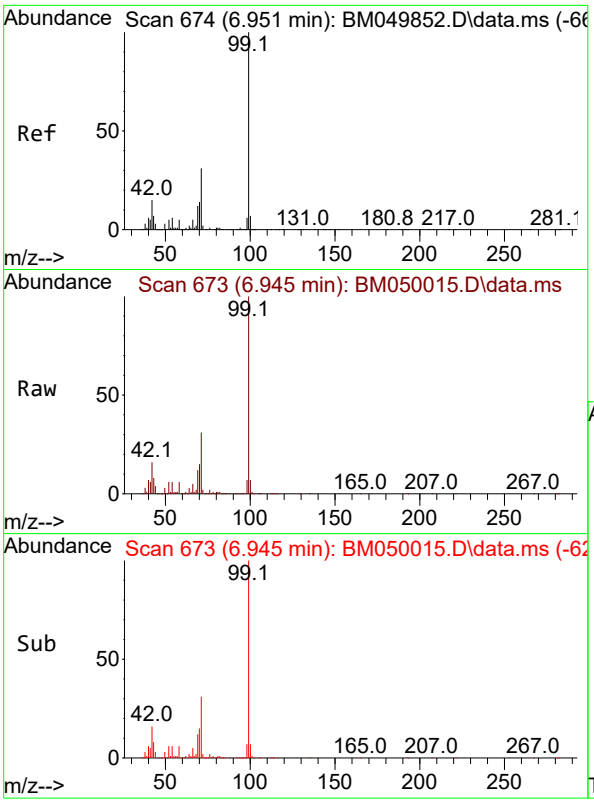


#5
2-Fluorophenol
Concen: 79.979 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM050015.D
Acq: 23 Apr 2025 15:55

Tgt Ion:112 Resp: 1263176

Ion	Ratio	Lower	Upper
112	100		
64	51.7	41.0	61.6
63	26.9	21.5	32.3



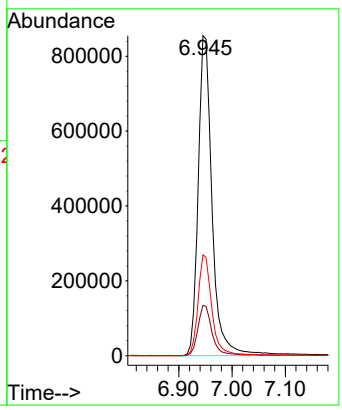


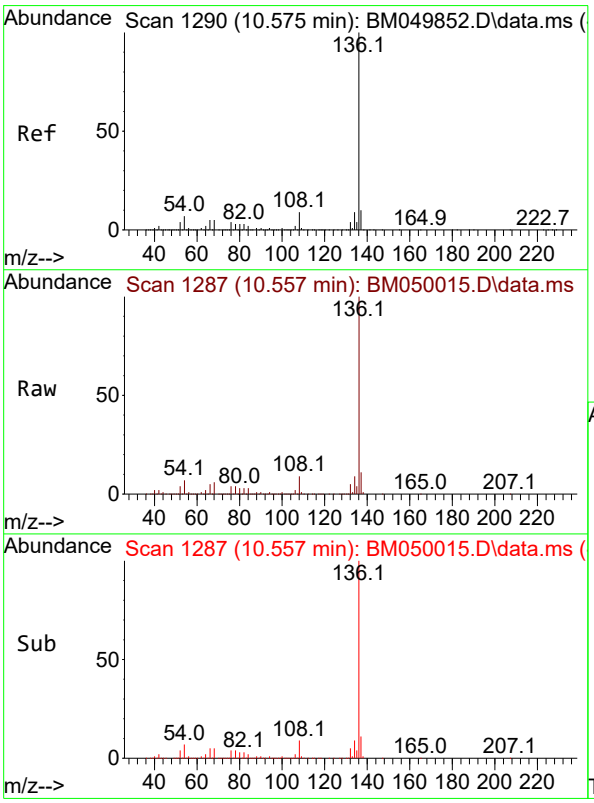
#7
Phenol-d6
Concen: 78.945 ng
RT: 6.945 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050015.D
Acq: 23 Apr 2025 15:55

Instrument :
BNA_M
ClientSampleId :
COMP-1

Tgt Ion: 99 Resp: 1551306

Ion	Ratio	Lower	Upper
99	100		
42	15.8	12.1	18.1
71	31.5	24.9	37.3

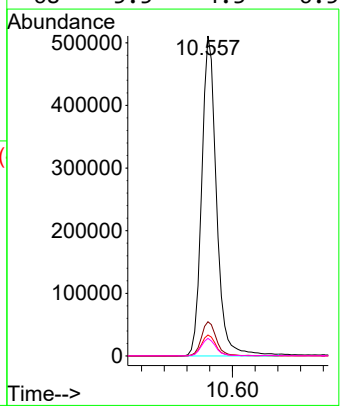


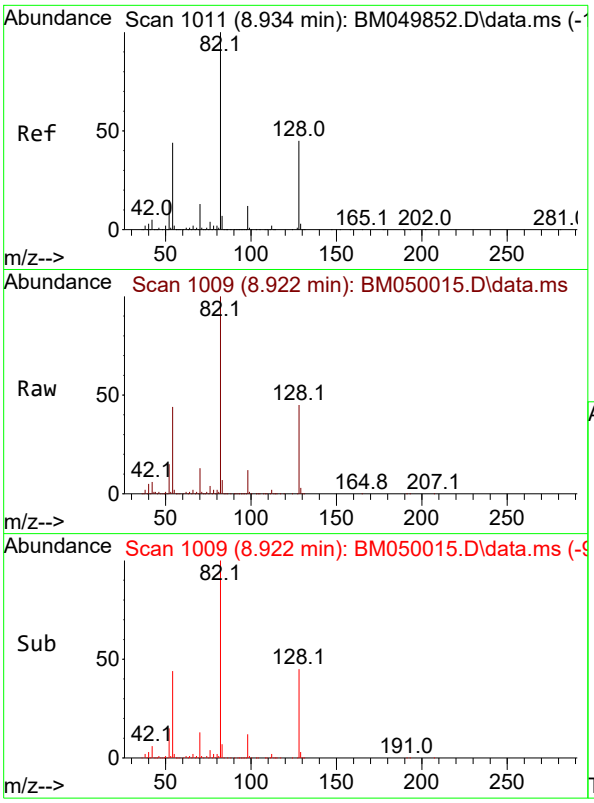


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.018 min
Lab File: BM050015.D
Acq: 23 Apr 2025 15:55

Tgt Ion:136 Resp: 920312

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	6.6	5.3	7.9
68	5.5	4.3	6.5



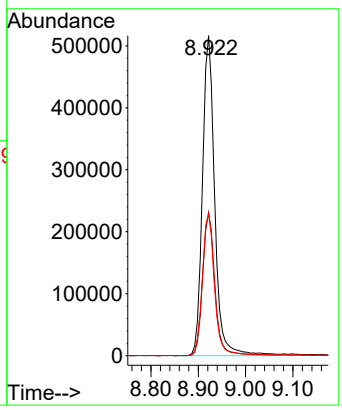


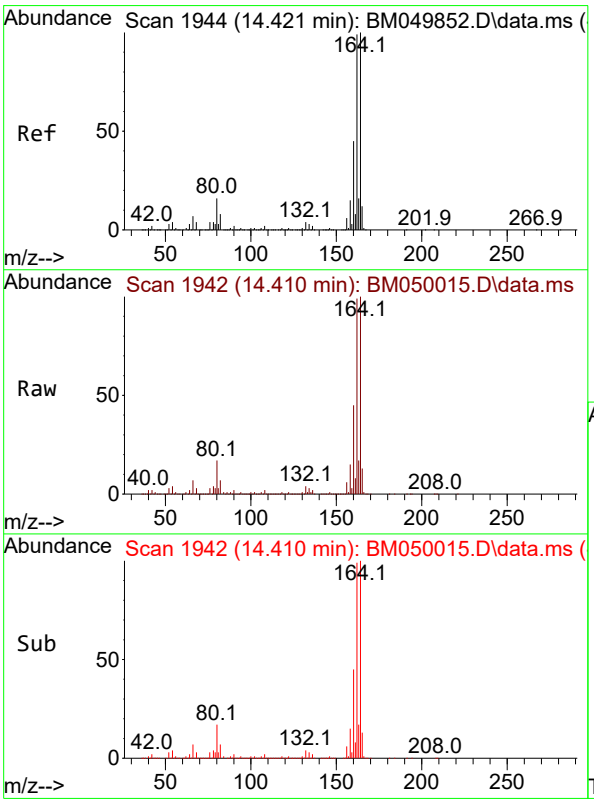
#23
Nitrobenzene-d5
Concen: 56.497 ng
RT: 8.922 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BM050015.D
Acq: 23 Apr 2025 15:55

Instrument :
BNA_M
ClientSampleId :
COMP-1

Tgt Ion: 82 Resp: 933733

Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.2	54.2
54	44.3	35.0	52.6

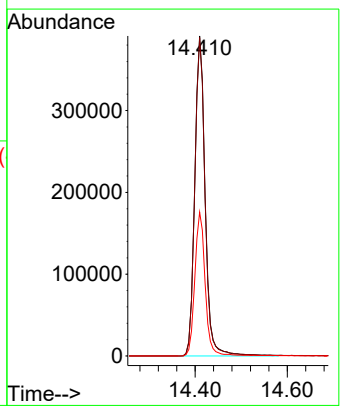


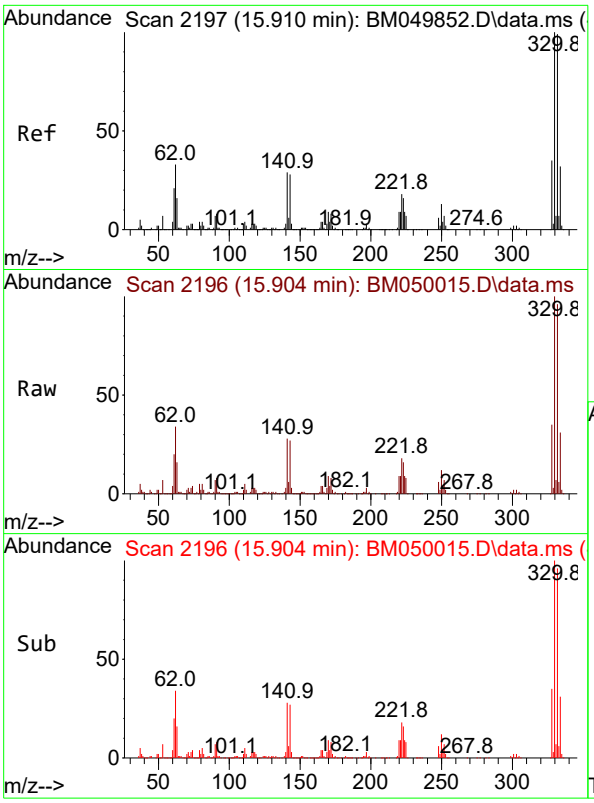


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BM050015.D
Acq: 23 Apr 2025 15:55

Tgt Ion:164 Resp: 612241

Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.4	119.0
160	45.0	36.2	54.2



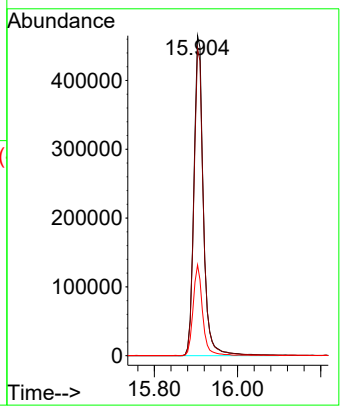


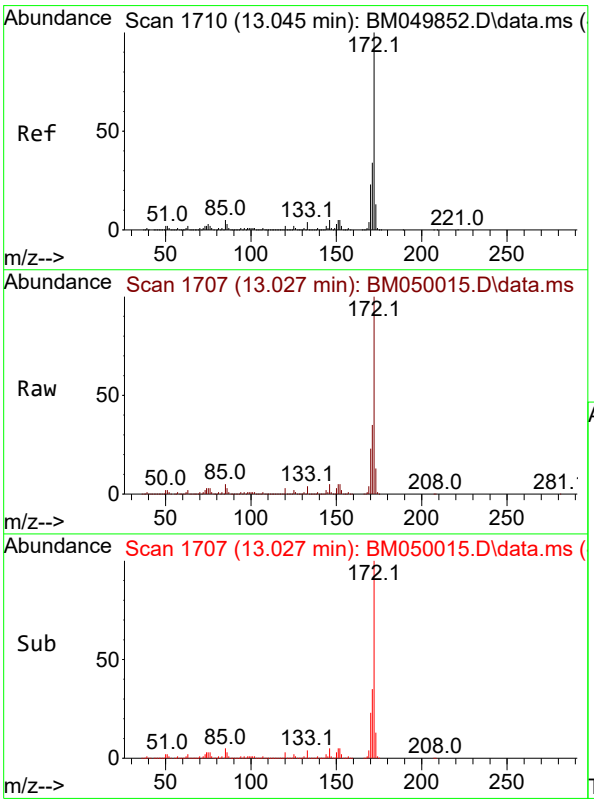
#42
2,4,6-Tribromophenol
Concen: 82.640 ng
RT: 15.904 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050015.D
Acq: 23 Apr 2025 15:55

Instrument :
BNA_M
ClientSampleId :
COMP-1

Tgt Ion:330 Resp: 735934

Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.0	117.0
141	28.2	23.5	35.3

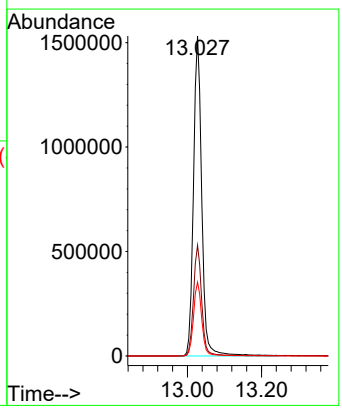


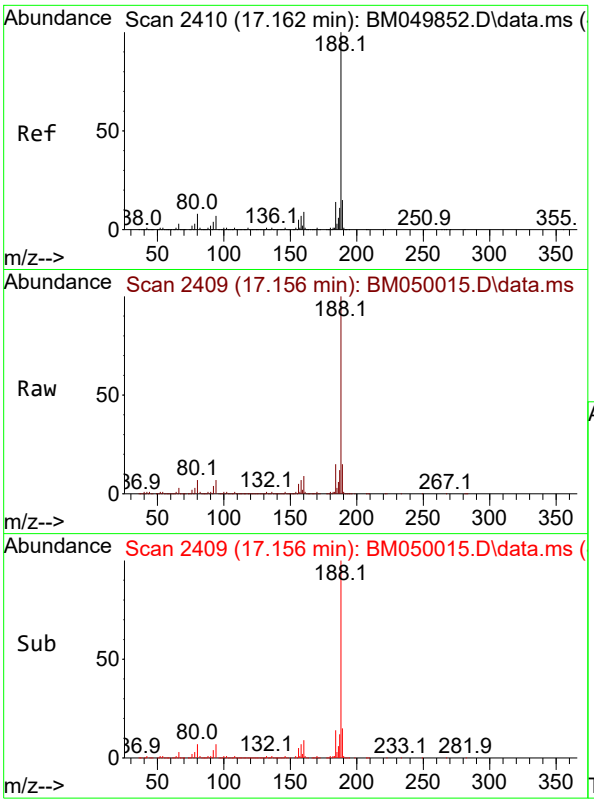


#45
2-Fluorobiphenyl
Concen: 52.863 ng
RT: 13.027 min Scan# 1707
Delta R.T. -0.018 min
Lab File: BM050015.D
Acq: 23 Apr 2025 15:55

Tgt Ion:172 Resp: 2386764

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.4	41.2
170	23.1	18.6	28.0



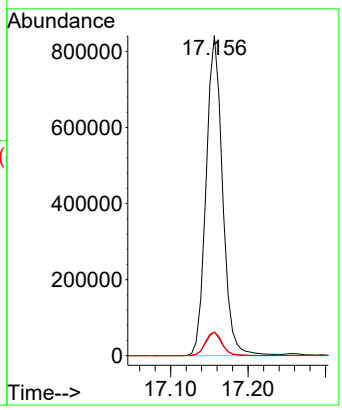


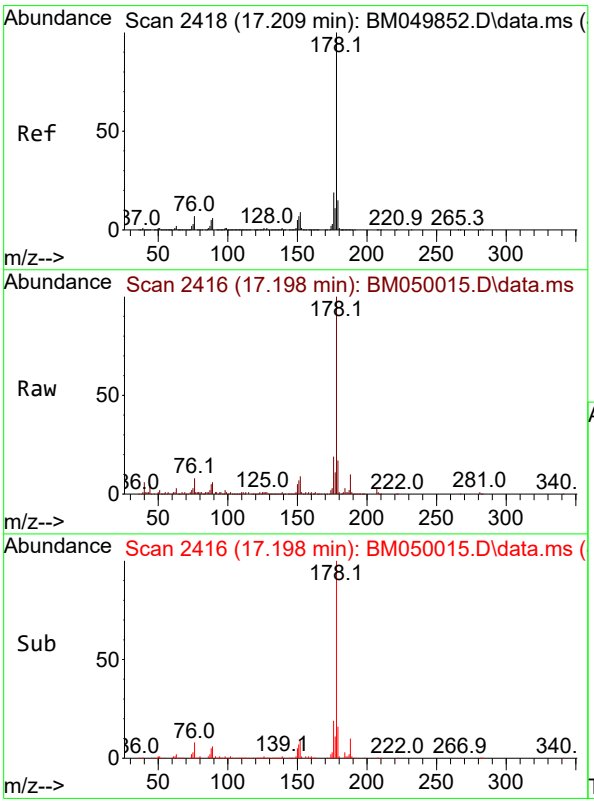
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.156 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM050015.D
Acq: 23 Apr 2025 15:55

Instrument :
BNA_M
ClientSampleId :
COMP-1

Tgt Ion:188 Resp: 1242938

Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.8	8.6
80	7.4	6.4	9.6

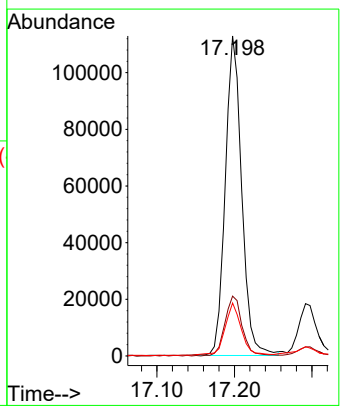


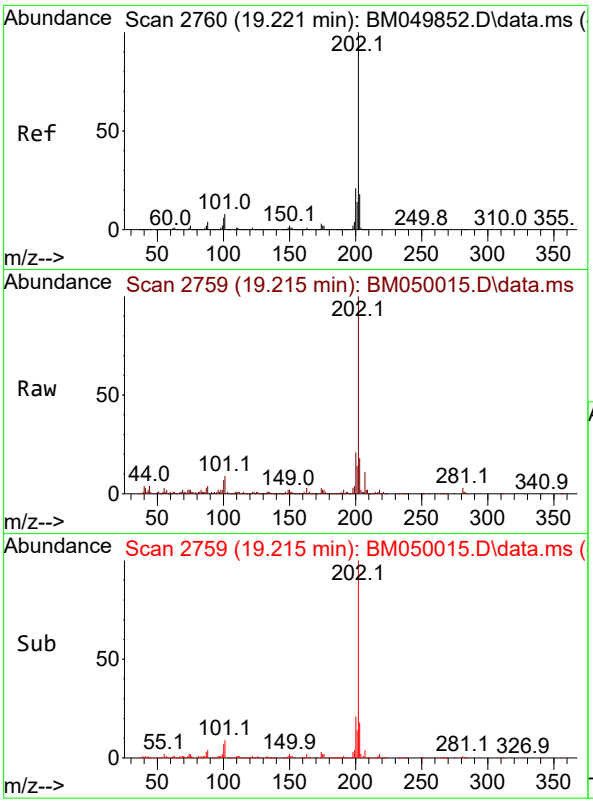


#71
Phenanthrene
Concen: 2.449 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.012 min
Lab File: BM050015.D
Acq: 23 Apr 2025 15:55

Tgt Ion:178 Resp: 166855

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	16.6	12.3	18.5



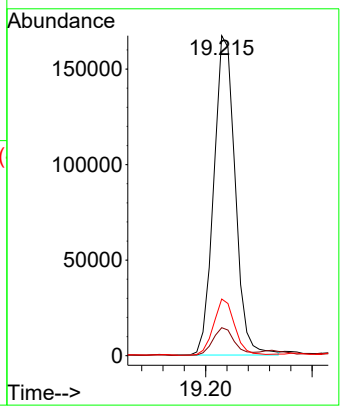


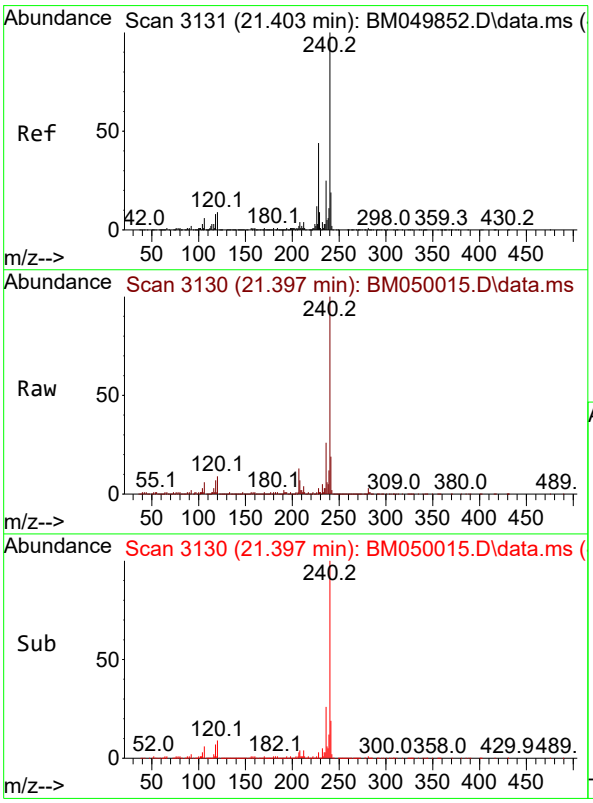
#75
Fluoranthene
Concen: 2.777 ng
RT: 19.215 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050015.D
Acq: 23 Apr 2025 15:55

Instrument :
BNA_M
ClientSampleId :
COMP-1

Tgt Ion:202 Resp: 232707

Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	28.4
203	17.7	0.0	37.8

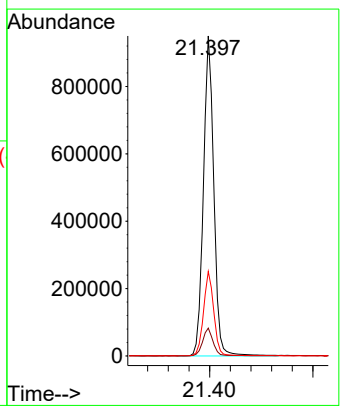


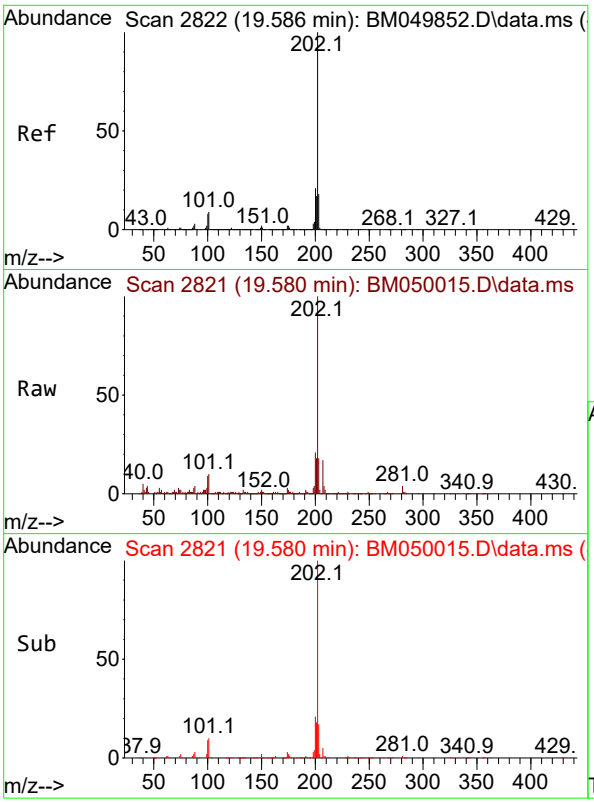


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM050015.D
Acq: 23 Apr 2025 15:55

Tgt Ion:240 Resp: 1324636

Ion	Ratio	Lower	Upper
240	100		
120	8.7	6.9	10.3
236	26.4	20.4	30.6



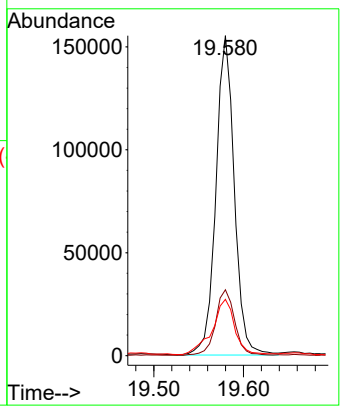


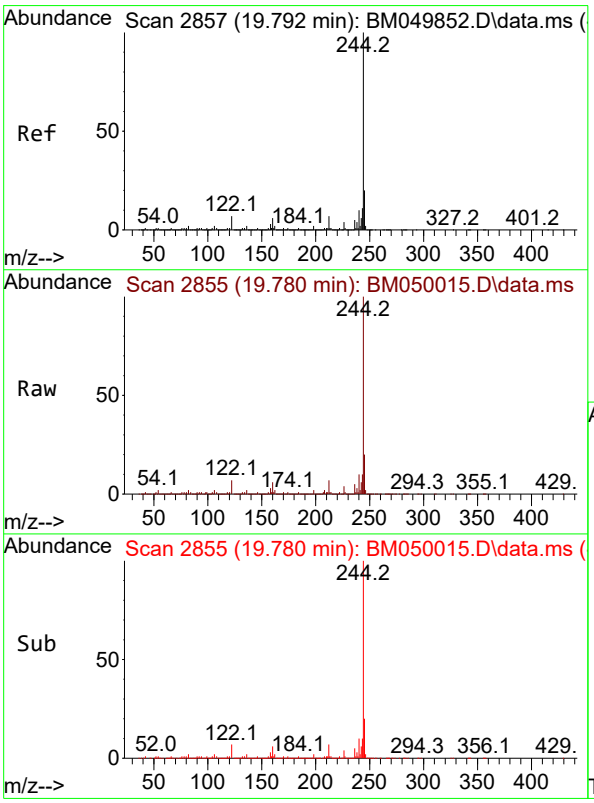
#78
Pyrene
Concen: 2.423 ng
RT: 19.580 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050015.D
Acq: 23 Apr 2025 15:55

Instrument :
BNA_M
ClientSampleId :
COMP-1

Tgt Ion:202 Resp: 221220

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.5	24.7
203	17.6	14.0	21.0

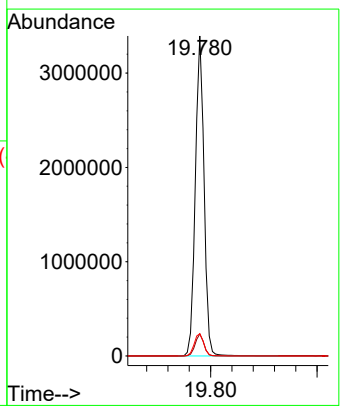


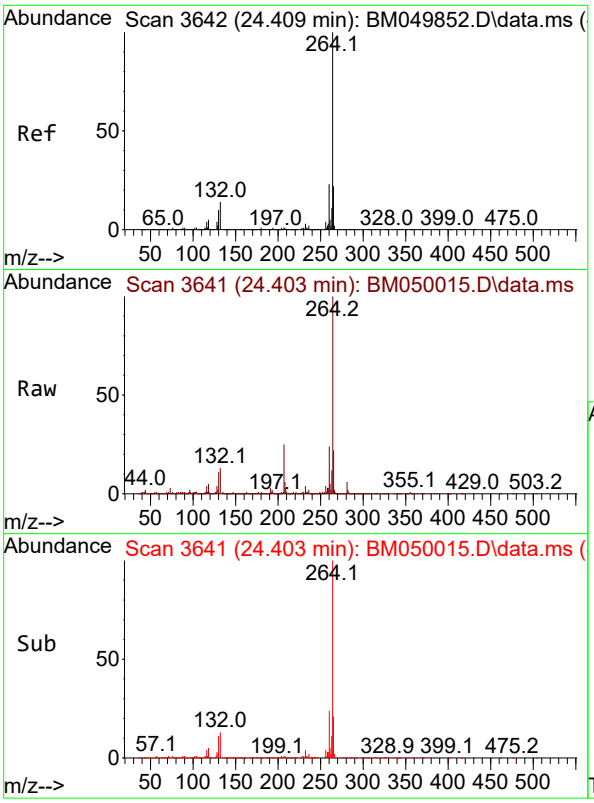


#79
Terphenyl-d14
Concen: 54.740 ng
RT: 19.780 min Scan# 2855
Delta R.T. -0.012 min
Lab File: BM050015.D
Acq: 23 Apr 2025 15:55

Tgt Ion:244 Resp: 3869225

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	6.9	5.4	8.0



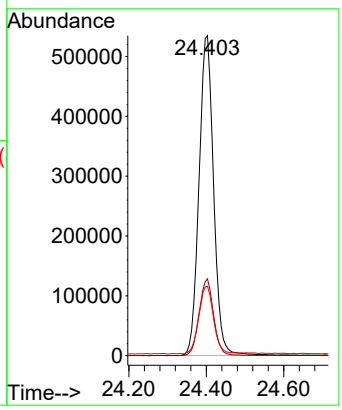


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050015.D
Acq: 23 Apr 2025 15:55

Instrument :
BNA_M
ClientSampleId :
COMP-1

Tgt Ion:264 Resp: 1398709

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.6	28.0
265	21.7	17.8	26.8



Raw Data: **BM050016.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	04/21/25
Project:	Henry Lea School			Date Received:	04/22/25
Client Sample ID:	COMP-2			SDG No.:	Q1858
Lab Sample ID:	Q1858-02			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	81.3
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050016.D	1	04/23/25 09:20	04/23/25 16:35	PB167711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	27.9	U	27.9	210	ug/Kg
86-73-7	Fluorene	31.1	U	31.1	210	ug/Kg
85-01-8	Phenanthrene	220		25.7	210	ug/Kg
120-12-7	Anthracene	40.9	U	40.9	210	ug/Kg
129-00-0	Pyrene	280		44.2	210	ug/Kg
56-55-3	Benzo(a)anthracene	160	J	28.3	210	ug/Kg
218-01-9	Chrysene	170	J	24.5	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	200	J	23.3	210	ug/Kg
50-32-8	Benzo(a)pyrene	150	J	36.2	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	86.1	J	35.8	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	J	31.6	210	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	62.9		18 - 107	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.2		20 - 109	57%	SPK: 100
1718-51-0	Terphenyl-d14	58.4		10 - 105	58%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	281000	7.763			
1146-65-2	Naphthalene-d8	963000	10.557			
15067-26-2	Acenaphthene-d10	636000	14.41			
1517-22-2	Phenanthrene-d10	1310000	17.157			
1719-03-5	Chrysene-d12	1370000	21.398			
1520-96-3	Perylene-d12	1420000	24.397			

Raw Data: **BM050016.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	04/21/25
Project:	Henry Lea School			Date Received:	04/22/25
Client Sample ID:	COMP-2			SDG No.:	Q1858
Lab Sample ID:	Q1858-02			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	81.3
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050016.D	1	04/23/25 09:20	04/23/25 16:35	PB167711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **BM050016.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
Data File : BM050016.D
Acq On : 23 Apr 2025 16:35
Operator : RC/JU
Sample : Q1858-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COMP-2

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025

Quant Time: Apr 23 17:58:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.763	152	281365	20.000	ng		-0.02
21) Naphthalene-d8	10.557	136	963050	20.000	ng		-0.02
39) Acenaphthene-d10	14.410	164	635987	20.000	ng		-0.01
64) Phenanthrene-d10	17.157	188	1306185	20.000	ng		0.00
76) Chrysene-d12	21.398	240	1368420	20.000	ng		0.00
86) Perylene-d12	24.397	264	1421973	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.357	112	1511874	91.244	ng		0.00
7) Phenol-d6	6.946	99	1835849	89.051	ng		0.00
23) Nitrobenzene-d5	8.922	82	1087772	62.897	ng		-0.01
42) 2,4,6-Tribromophenol	15.904	330	822854	88.951	ng		0.00
45) 2-Fluorobiphenyl	13.028	172	2684428	57.236	ng		-0.02
79) Terphenyl-d14	19.780	244	4260725	58.351	ng		-0.01
Target Compounds							Qvalue
71) Phenanthrene	17.198	178	384593	5.371	ng		100
75) Fluoranthene	19.215	202	696932	7.915	ng		99
78) Pyrene	19.580	202	636925	6.754	ng		99
81) Benzo(a)anthracene	21.380	228	360722	3.966	ng		99
83) Chrysene	21.439	228	356750m	4.126	ng		
87) Indeno(1,2,3-cd)pyrene	27.785	276	222933	2.103	ng		98
88) Benzo(b)fluoranthene	23.450	252	452468	4.982	ng		97
89) Benzo(k)fluoranthene	23.509	252	191346m	2.174	ng		
90) Benzo(a)pyrene	24.256	252	298721	3.743	ng	#	97
92) Benzo(g,h,i)perylene	28.844	276	231659	2.597	ng		100

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

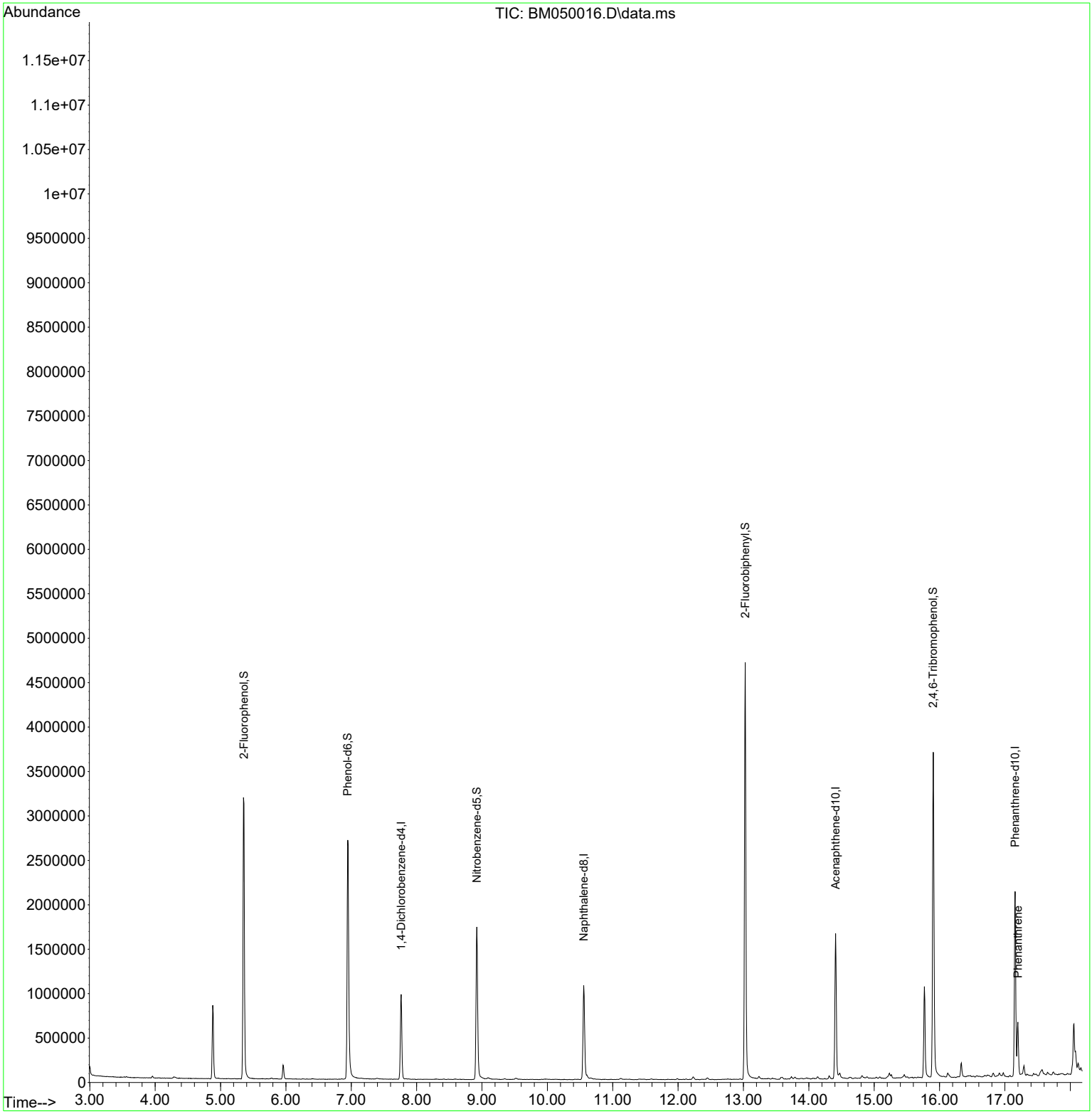
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
Data File : BM050016.D
Acq On : 23 Apr 2025 16:35
Operator : RC/JU
Sample : Q1858-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 23 17:58:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
COMP-2

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025



Sample Results: **BM050016.D**

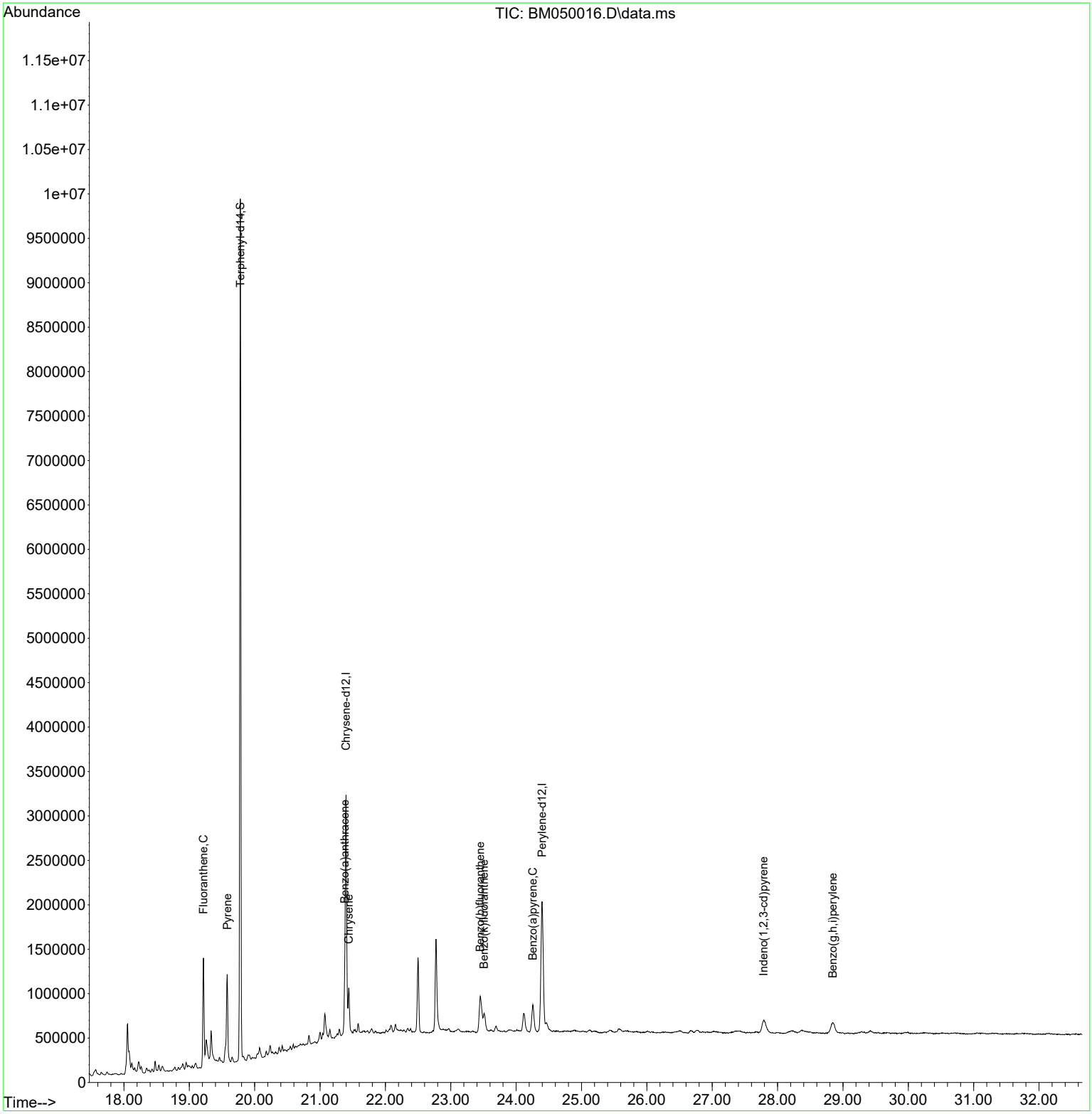
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
Data File : BM050016.D
Acq On : 23 Apr 2025 16:35
Operator : RC/JU
Sample : Q1858-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

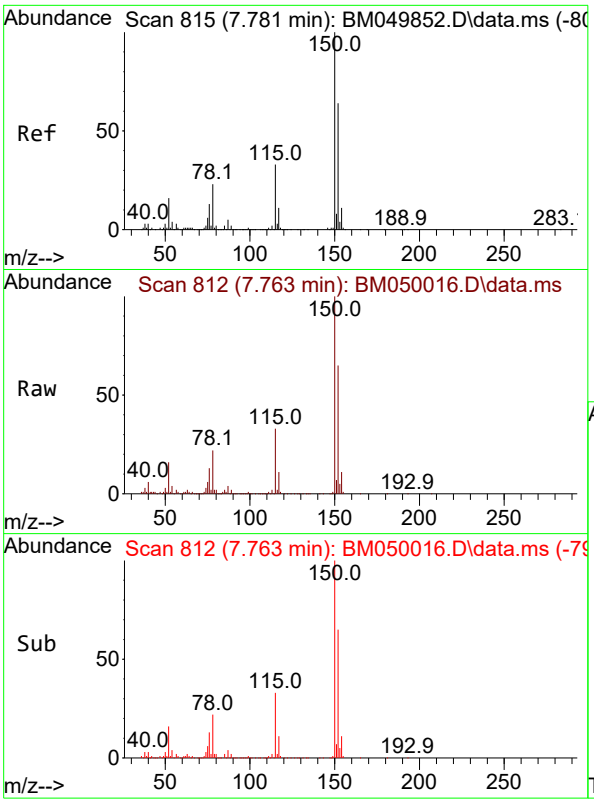
Quant Time: Apr 23 17:58:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
COMP-2

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025

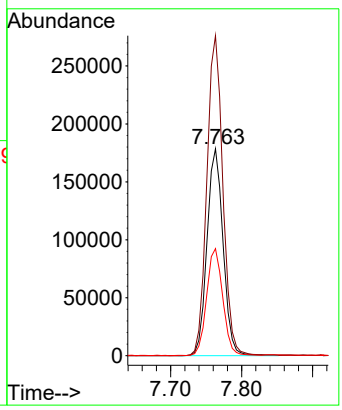




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 8
Delta R.T. -0.018 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

Tgt Ion:152 Resp: 28136

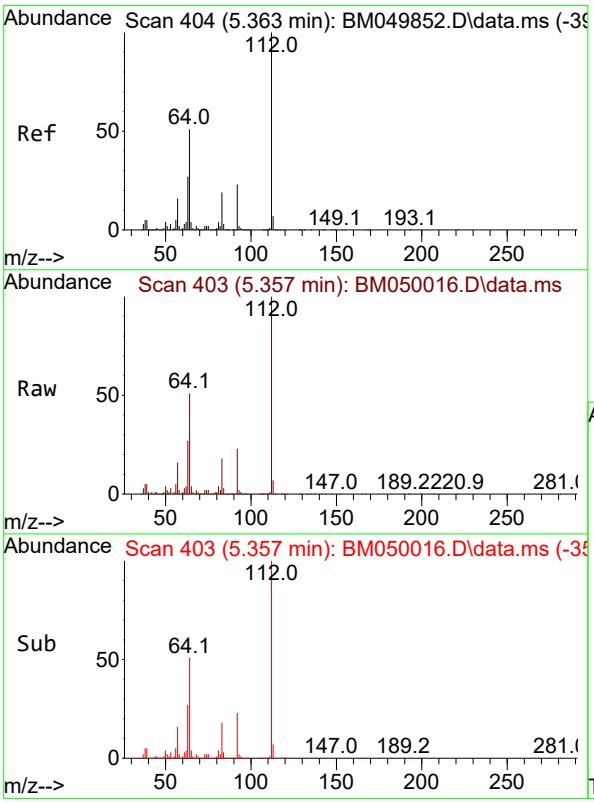
Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.3	186.5
115	51.8	41.1	61.7



Instrument :
BNA_M
ClientSampleId :
COMP-2

Manual Integrations
APPROVED

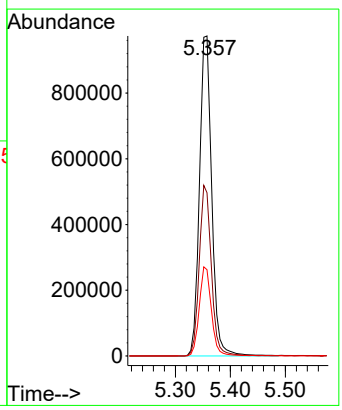
Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025

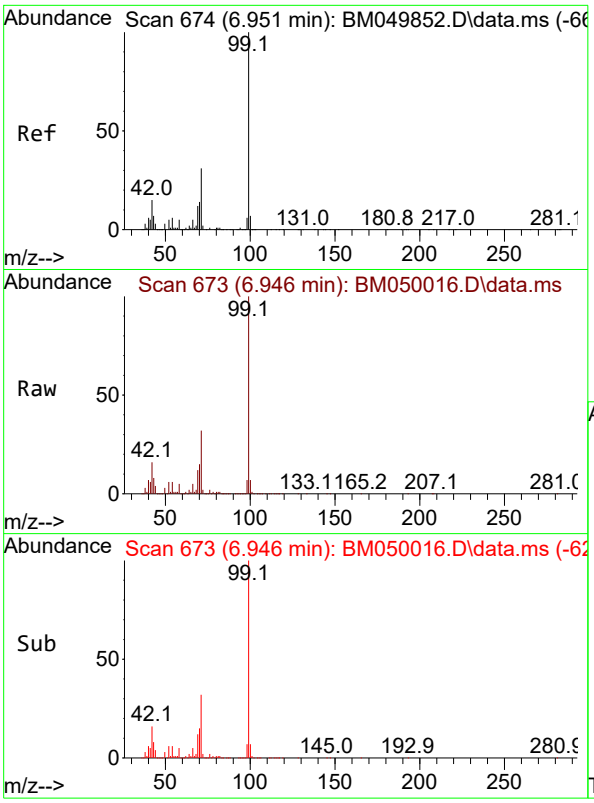


#5
2-Fluorophenol
Concen: 91.244 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

Tgt Ion:112 Resp: 1511874

Ion	Ratio	Lower	Upper
112	100		
64	51.0	41.0	61.6
63	27.0	21.5	32.3

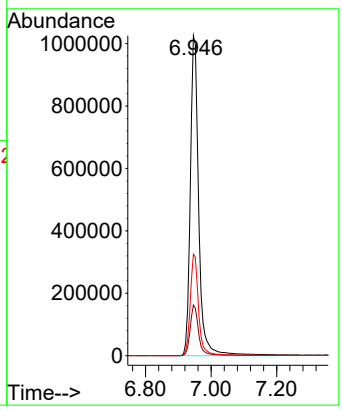




#7
Phenol-d6
Concen: 89.051 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

Tgt Ion: 99 Resp: 183584

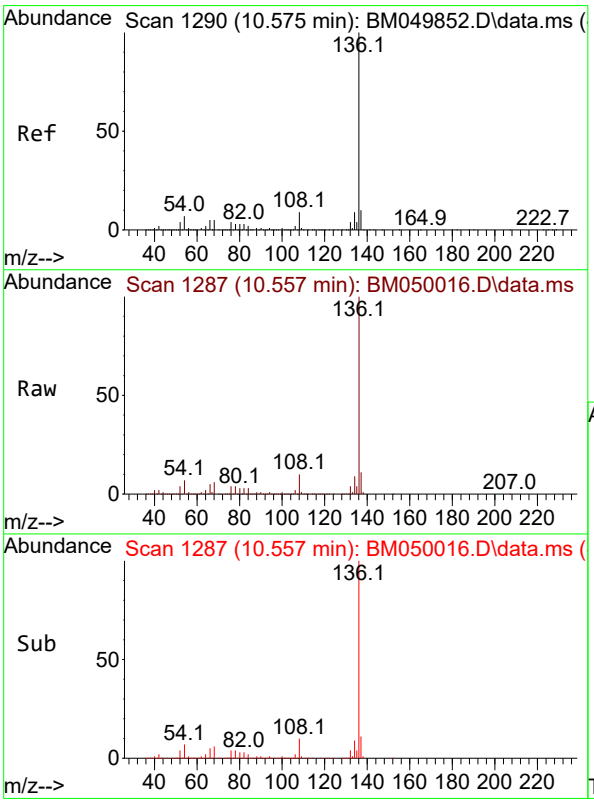
Ion	Ratio	Lower	Upper
99	100		
42	15.8	12.1	18.1
71	31.8	24.9	37.3



Instrument :
BNA_M
ClientSampleId :
COMP-2

Manual Integrations
APPROVED

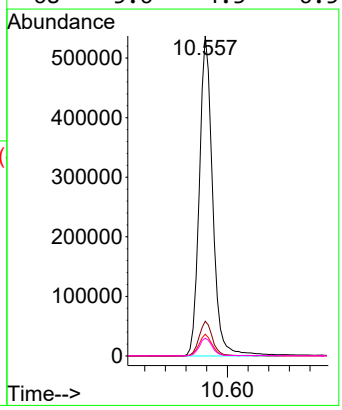
Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025

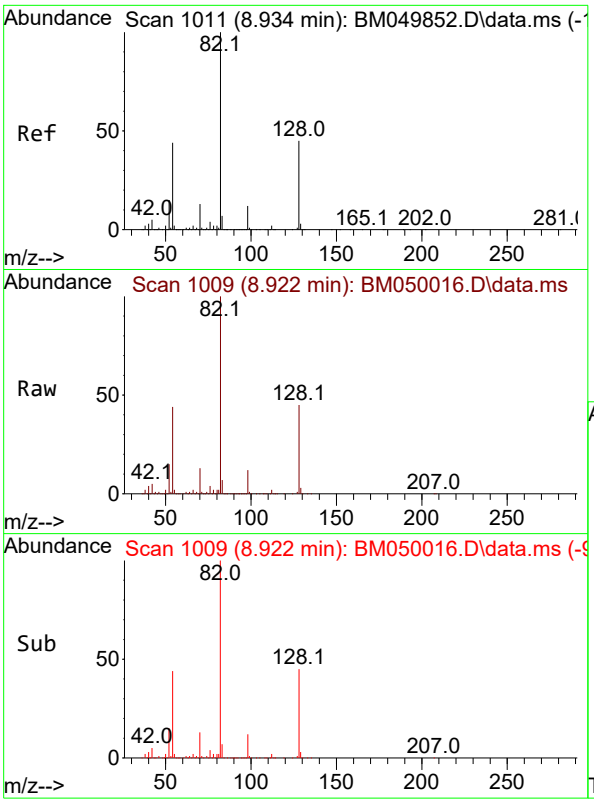


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.017 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

Tgt Ion:136 Resp: 963050

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	6.8	5.3	7.9
68	5.6	4.3	6.5

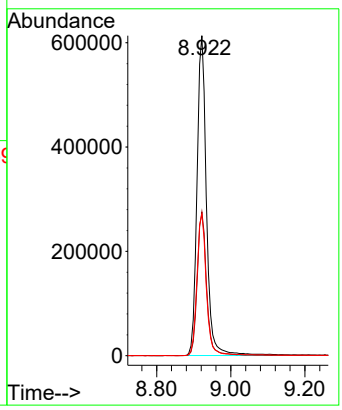




#23
Nitrobenzene-d5
Concen: 62.897 ng
RT: 8.922 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

Tgt Ion: 82 Resp: 108777

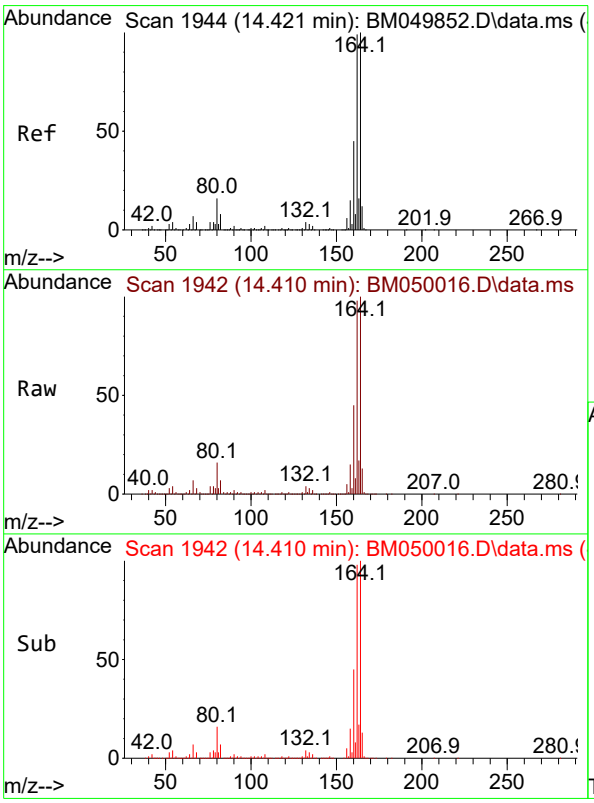
Ion	Ratio	Lower	Upper
82	100		
128	44.9	36.2	54.2
54	44.3	35.0	52.6



Instrument :
BNA_M
ClientSampleId :
COMP-2

Manual Integrations
APPROVED

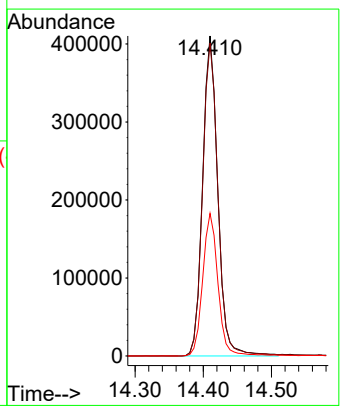
Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025

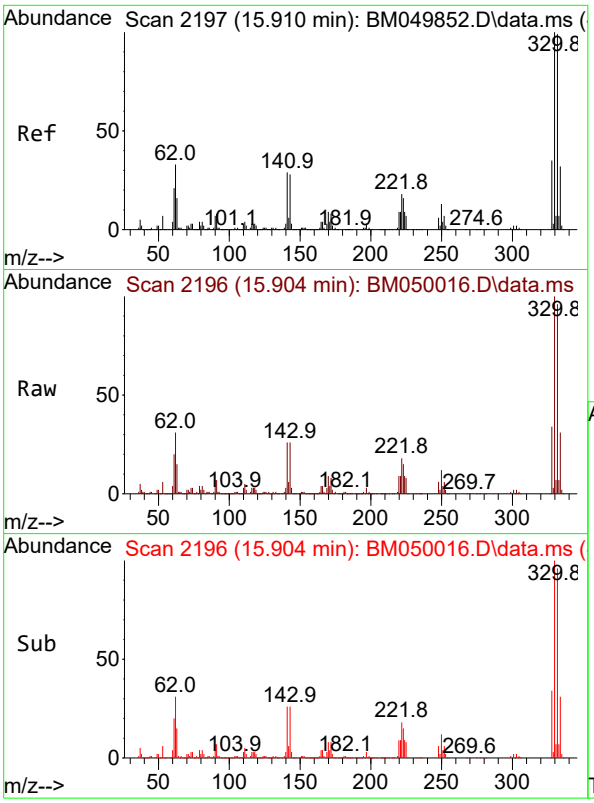


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

Tgt Ion:164 Resp: 635987

Ion	Ratio	Lower	Upper
164	100		
162	97.8	79.4	119.0
160	44.5	36.2	54.2

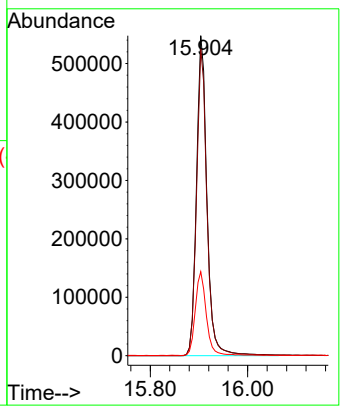




#42
2,4,6-Tribromophenol
Concen: 88.951 ng
RT: 15.904 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

Tgt Ion:330 Resp: 82285

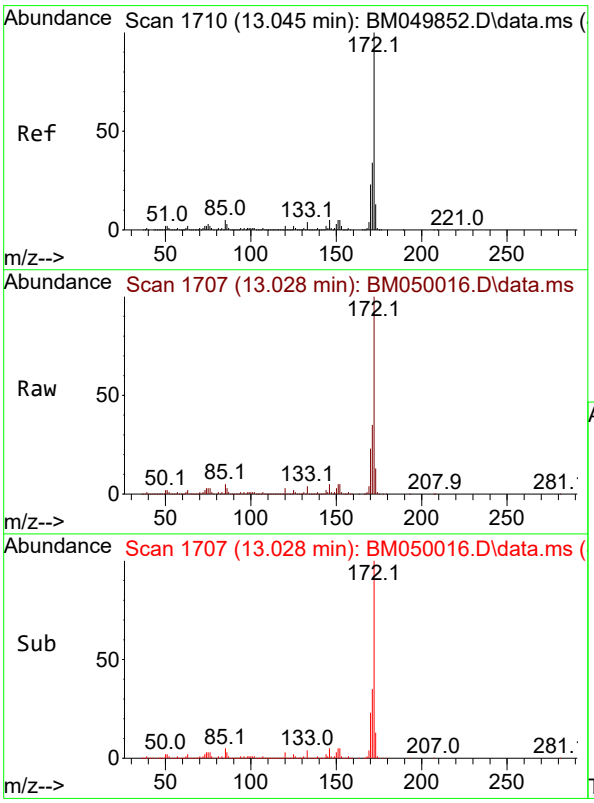
Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.0	117.0
141	27.5	23.5	35.3



Instrument :
BNA_M
ClientSampleId :
COMP-2

Manual Integrations
APPROVED

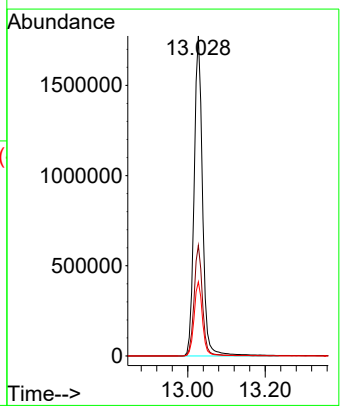
Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025

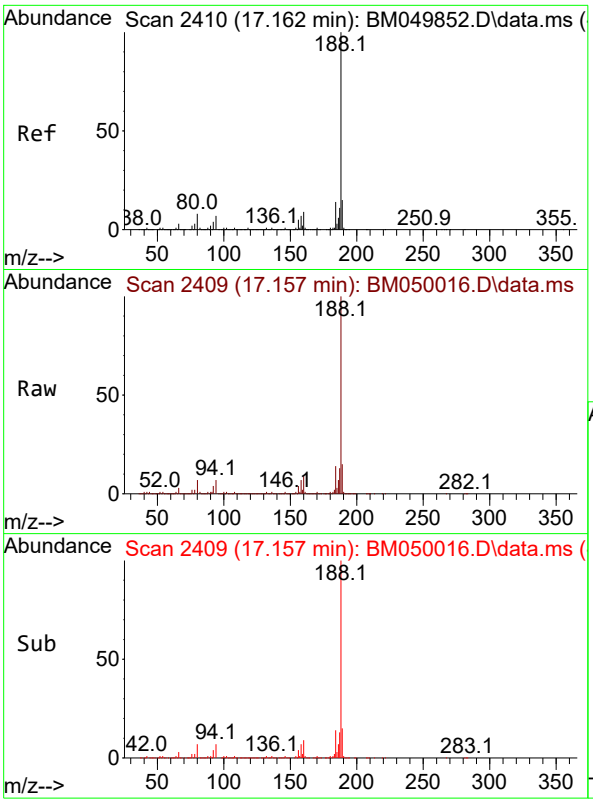


#45
2-Fluorobiphenyl
Concen: 57.236 ng
RT: 13.028 min Scan# 1707
Delta R.T. -0.018 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

Tgt Ion:172 Resp: 2684428

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.4	41.2
170	23.2	18.6	28.0

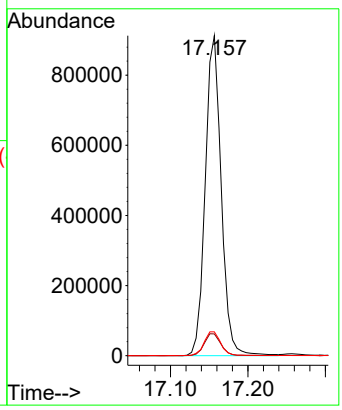




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

Tgt Ion:188 Resp: 130618

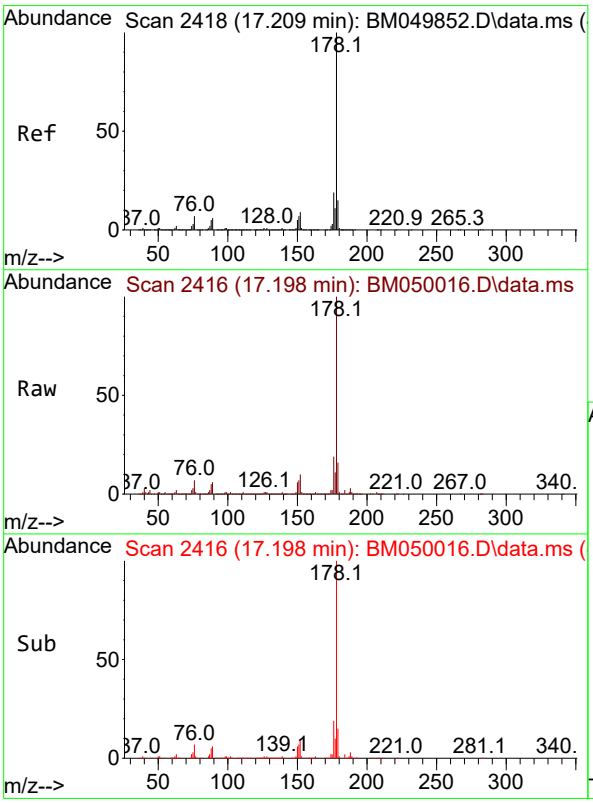
Ion	Ratio	Lower	Upper
188	100		
94	6.8	5.8	8.6
80	7.5	6.4	9.6



Instrument :
BNA_M
ClientSampleId :
COMP-2

Manual Integrations
APPROVED

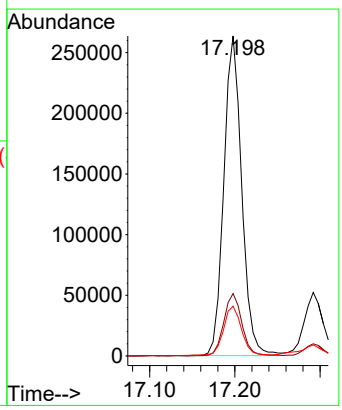
Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025

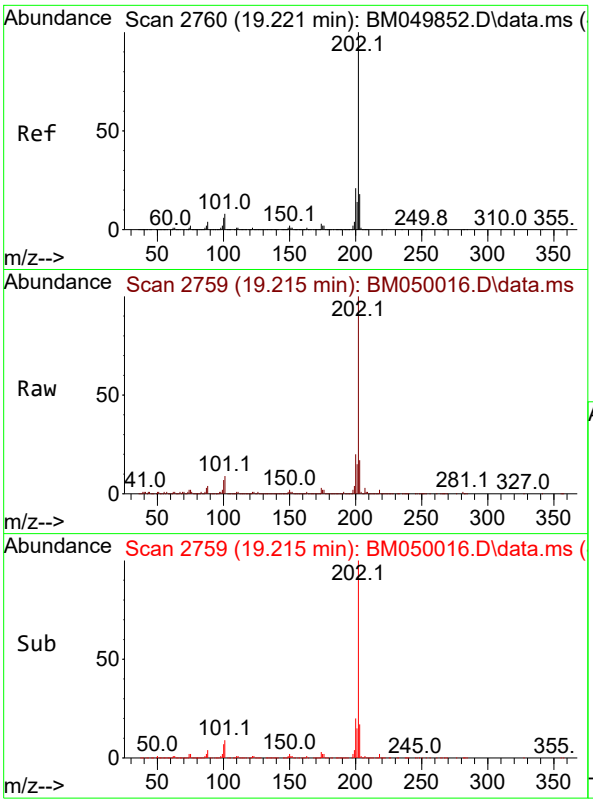


#71
Phenanthrene
Concen: 5.371 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.012 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

Tgt Ion:178 Resp: 384593

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.5	12.3	18.5





#75
Fluoranthene
Concen: 7.915 ng
RT: 19.215 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

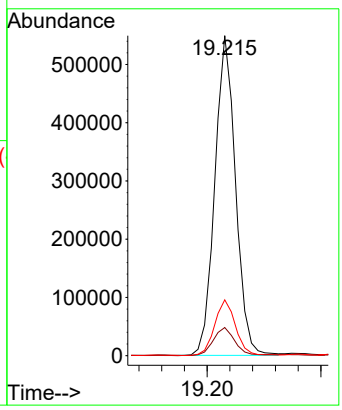
Tgt Ion:202 Resp: 69693

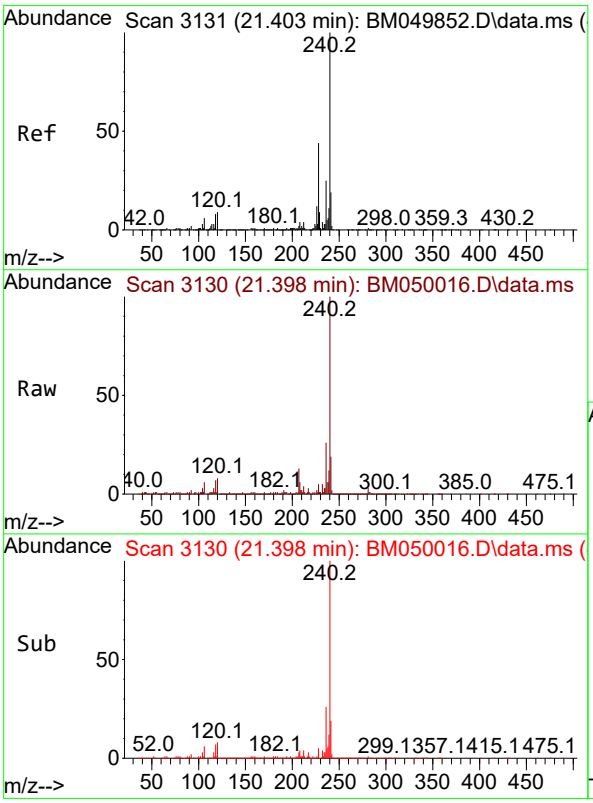
Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	28.4
203	17.5	0.0	37.8

Instrument :
BNA_M
ClientSampleId :
COMP-2

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025

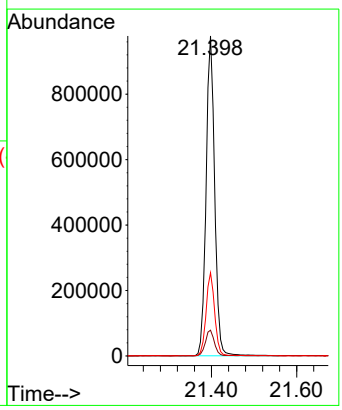


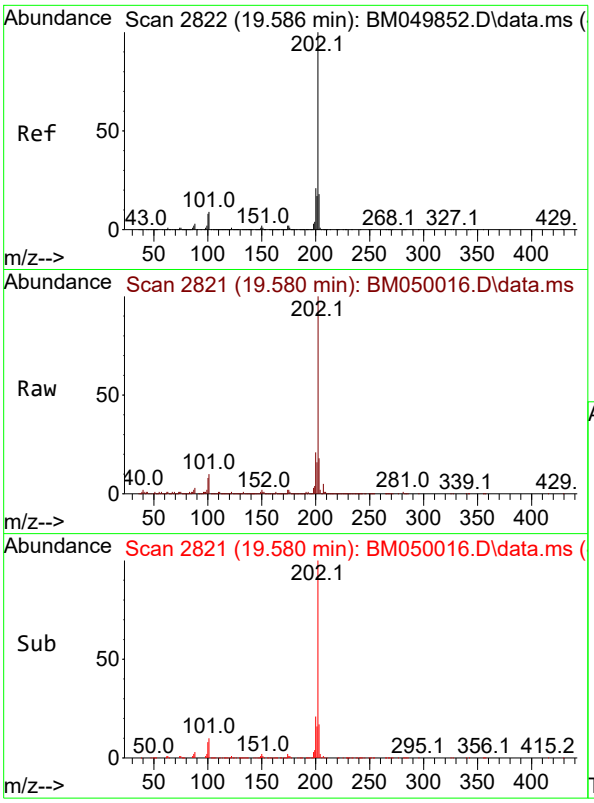


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.398 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

Tgt Ion:240 Resp: 1368420

Ion	Ratio	Lower	Upper
240	100		
120	8.0	6.9	10.3
236	26.0	20.4	30.6

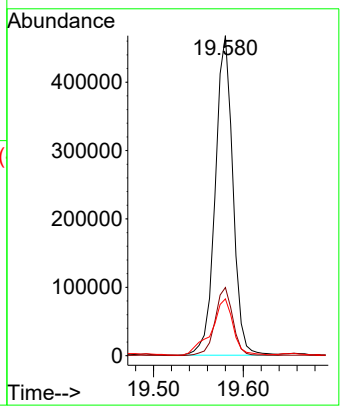




#78
Pyrene
Concen: 6.754 ng
RT: 19.580 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

Tgt Ion:202 Resp: 63692

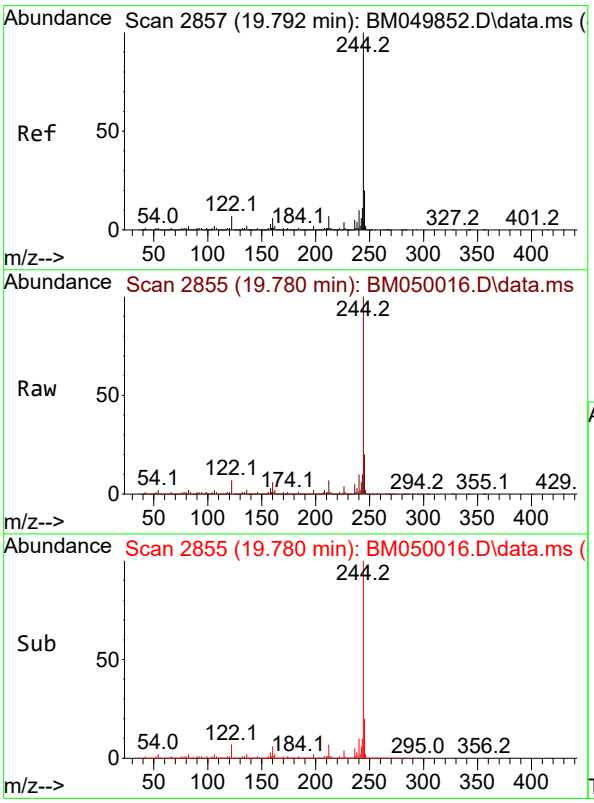
Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.5	24.7
203	17.7	14.0	21.0



Instrument :
BNA_M
ClientSampleId :
COMP-2

Manual Integrations
APPROVED

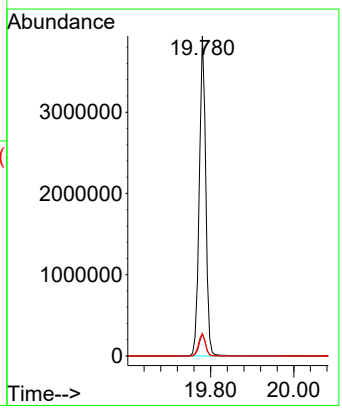
Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025

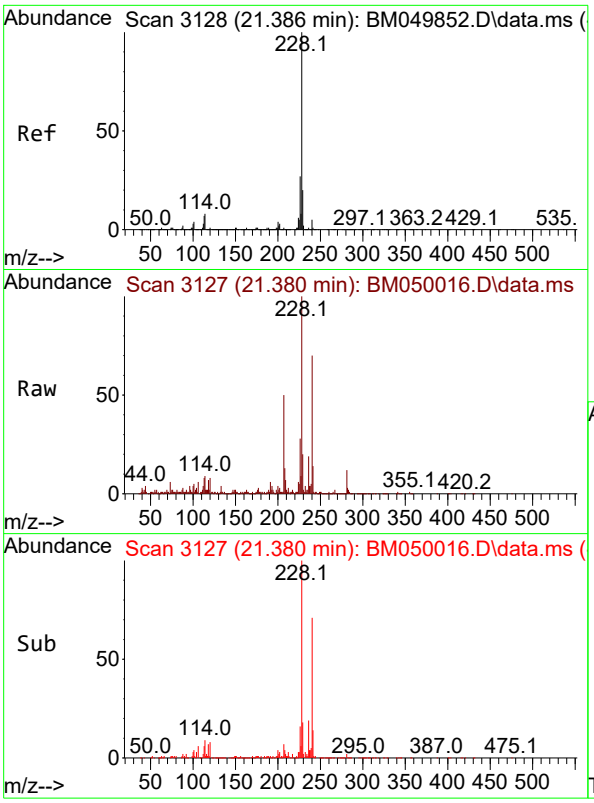


#79
Terphenyl-d14
Concen: 58.351 ng
RT: 19.780 min Scan# 2855
Delta R.T. -0.012 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

Tgt Ion:244 Resp: 4260725

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	7.0	5.4	8.0

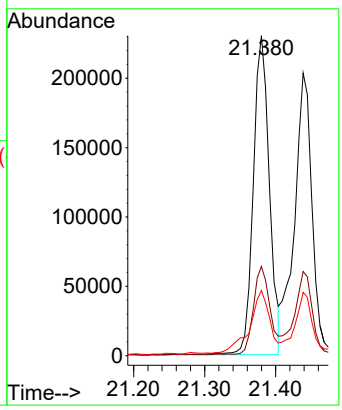




#81
Benzo(a)anthracene
Concen: 3.966 ng
RT: 21.380 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

Tgt Ion:228 Resp: 36072

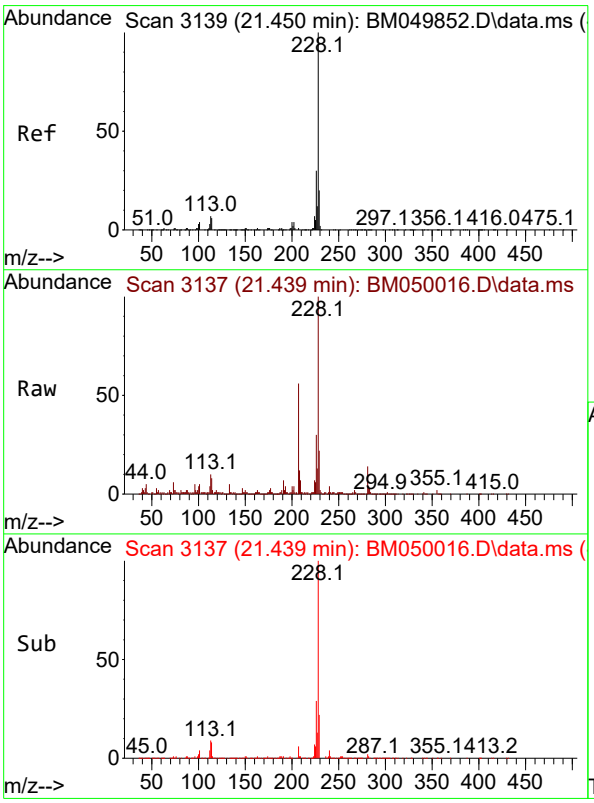
Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.8	32.8
229	20.4	15.8	23.8



Instrument :
BNA_M
ClientSampleId :
COMP-2

Manual Integrations
APPROVED

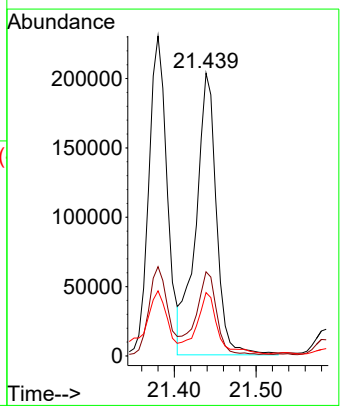
Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025

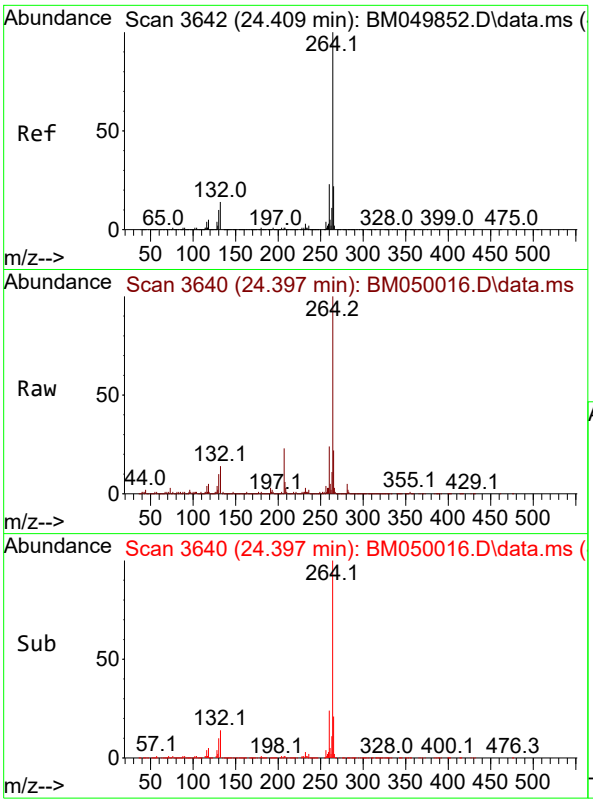


#83
Chrysene
Concen: 4.126 ng m
RT: 21.439 min Scan# 3137
Delta R.T. -0.012 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

Tgt Ion:228 Resp: 356750

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.1	36.1
229	22.4	15.8	23.6

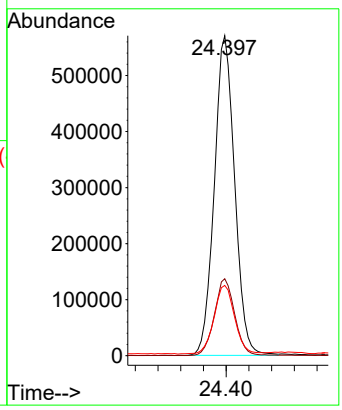




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

Tgt Ion:264 Resp: 142197

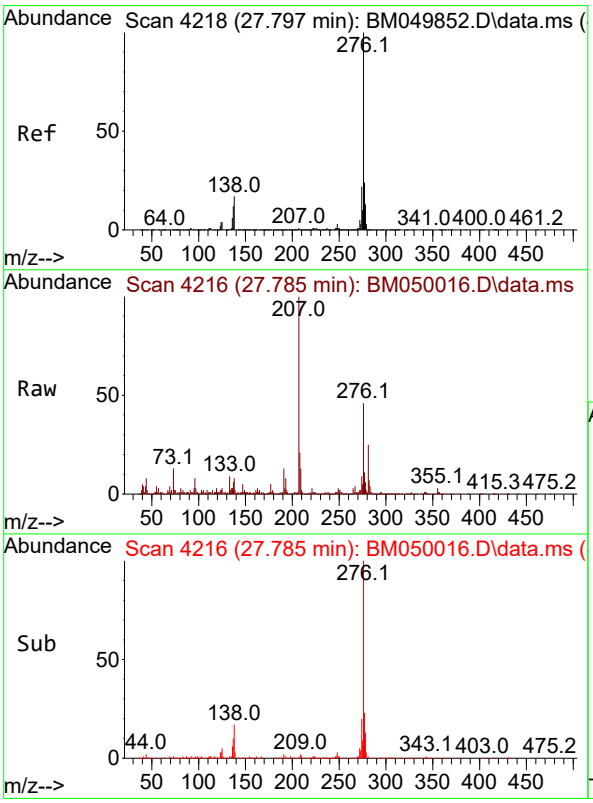
Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.6	28.0
265	21.9	17.8	26.8



Instrument :
BNA_M
ClientSampleId :
COMP-2

Manual Integrations
APPROVED

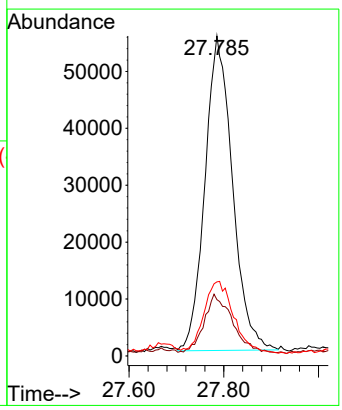
Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025

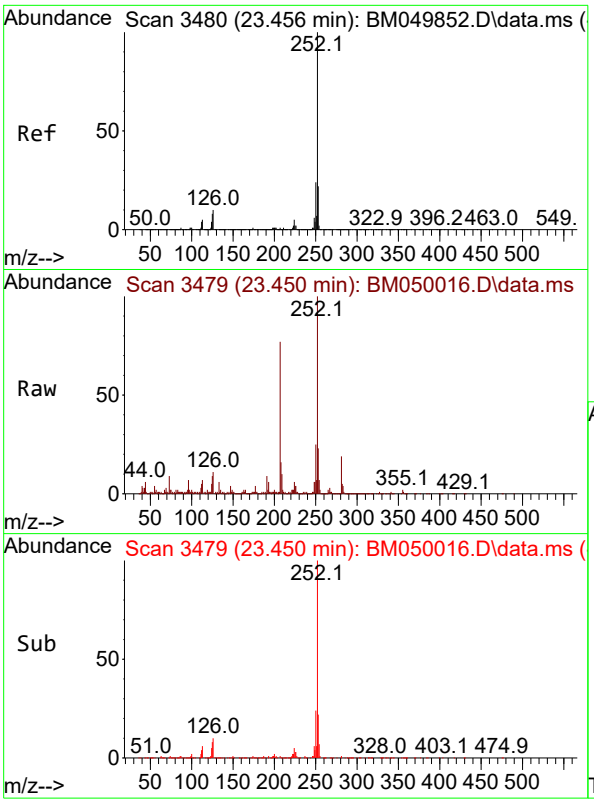


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.103 ng
RT: 27.785 min Scan# 4216
Delta R.T. -0.012 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

Tgt Ion:276 Resp: 222933

Ion	Ratio	Lower	Upper
276	100		
138	19.0	16.8	25.2
277	24.9	20.1	30.1

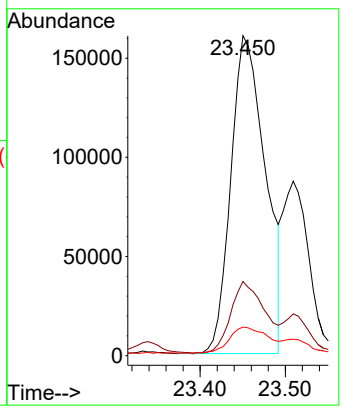




#88
Benzo(b)fluoranthene
Concen: 4.982 ng
RT: 23.450 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

Tgt Ion:252 Resp: 45246

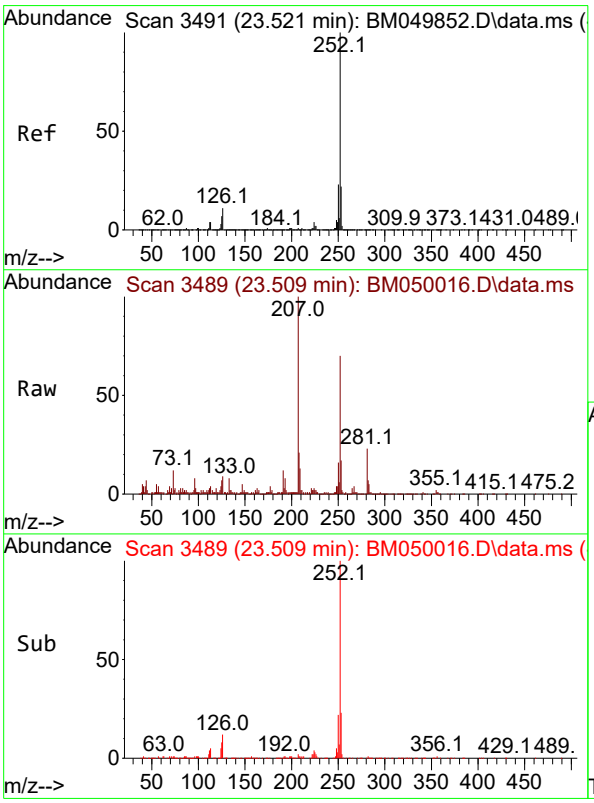
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	8.9	6.2	9.4



Instrument :
BNA_M
ClientSampleId :
COMP-2

Manual Integrations
APPROVED

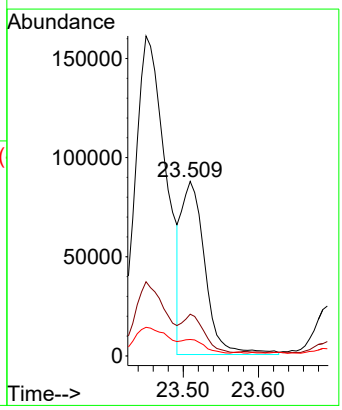
Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025

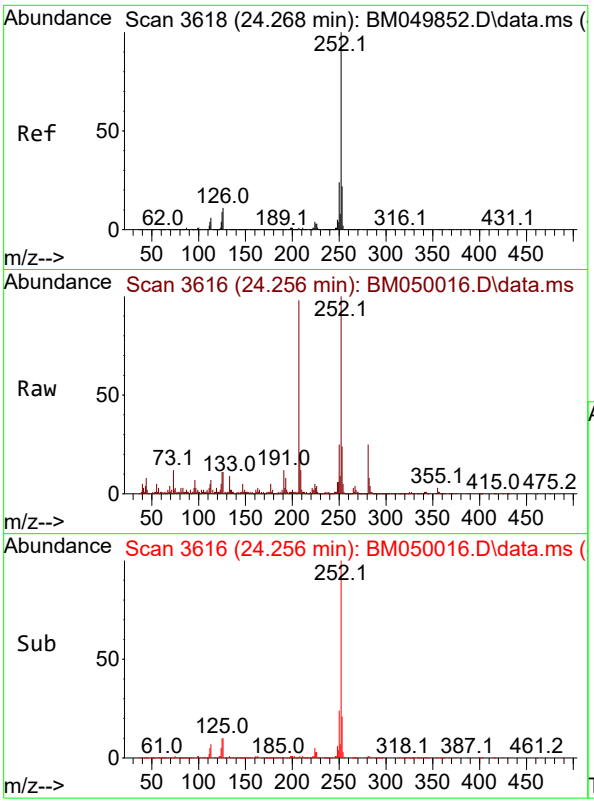


#89
Benzo(k)fluoranthene
Concen: 2.174 ng m
RT: 23.509 min Scan# 3489
Delta R.T. -0.012 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

Tgt Ion:252 Resp: 191346

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.4	26.2
125	9.5	5.8	8.8#

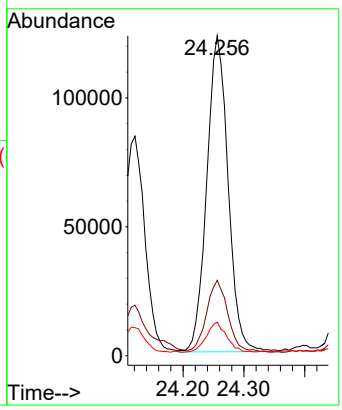




#90
Benzo(a)pyrene
Concen: 3.743 ng
RT: 24.256 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

Tgt Ion:252 Resp: 29872

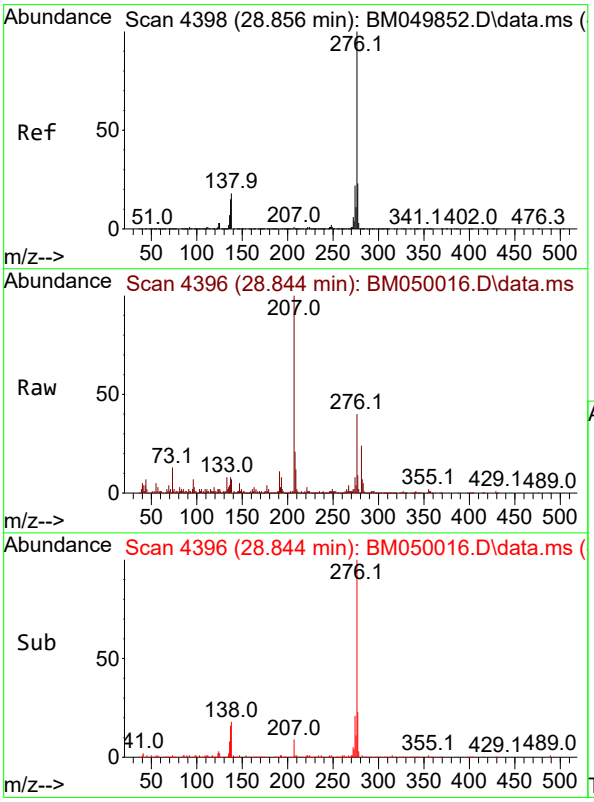
Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	10.5	7.0	10.4



Instrument :
BNA_M
ClientSampleId :
COMP-2

Manual Integrations
APPROVED

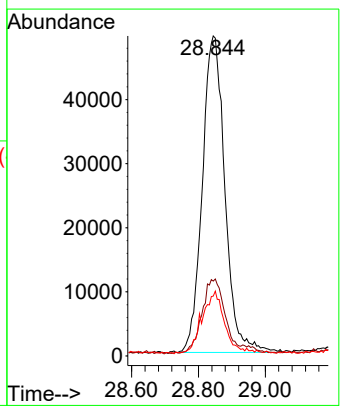
Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025



#92
Benzo(g,h,i)perylene
Concen: 2.597 ng
RT: 28.844 min Scan# 4396
Delta R.T. -0.012 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

Tgt Ion:276 Resp: 231659

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.7	28.1
138	18.7	14.6	21.8



Raw Data: **BM050017.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	04/21/25
Project:	Henry Lea School			Date Received:	04/22/25
Client Sample ID:	COMP-3			SDG No.:	Q1858
Lab Sample ID:	Q1858-03			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	91.1
Sample Wt/Vol:	30.07	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050017.D	1	04/23/25 09:20	04/23/25 17:14	PB167711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	24.9	U	24.9	190	ug/Kg
86-73-7	Fluorene	27.7	U	27.7	190	ug/Kg
85-01-8	Phenanthrene	150	J	22.9	190	ug/Kg
120-12-7	Anthracene	36.5	U	36.5	190	ug/Kg
129-00-0	Pyrene	92.5	J	39.4	190	ug/Kg
56-55-3	Benzo(a)anthracene	25.2	U	25.2	190	ug/Kg
218-01-9	Chrysene	21.8	U	21.8	190	ug/Kg
205-99-2	Benzo(b)fluoranthene	20.8	U	20.8	190	ug/Kg
50-32-8	Benzo(a)pyrene	32.3	U	32.3	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31.9	U	31.9	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	28.1	U	28.1	190	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	49.8		18 - 107	50%	SPK: 100
321-60-8	2-Fluorobiphenyl	47.3		20 - 109	47%	SPK: 100
1718-51-0	Terphenyl-d14	54.1		10 - 105	54%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	296000	7.763			
1146-65-2	Naphthalene-d8	1030000	10.557			
15067-26-2	Acenaphthene-d10	691000	14.41			
1517-22-2	Phenanthrene-d10	1440000	17.157			
1719-03-5	Chrysene-d12	1430000	21.397			
1520-96-3	Perylene-d12	1480000	24.397			

Raw Data: **BM050017.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	04/21/25
Project:	Henry Lea School			Date Received:	04/22/25
Client Sample ID:	COMP-3			SDG No.:	Q1858
Lab Sample ID:	Q1858-03			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	91.1
Sample Wt/Vol:	30.07	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050017.D	1	04/23/25 09:20	04/23/25 17:14	PB167711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
Data File : BM050017.D
Acq On : 23 Apr 2025 17:14
Operator : RC/JU
Sample : Q1858-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COMP-3

Quant Time: Apr 23 17:58:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

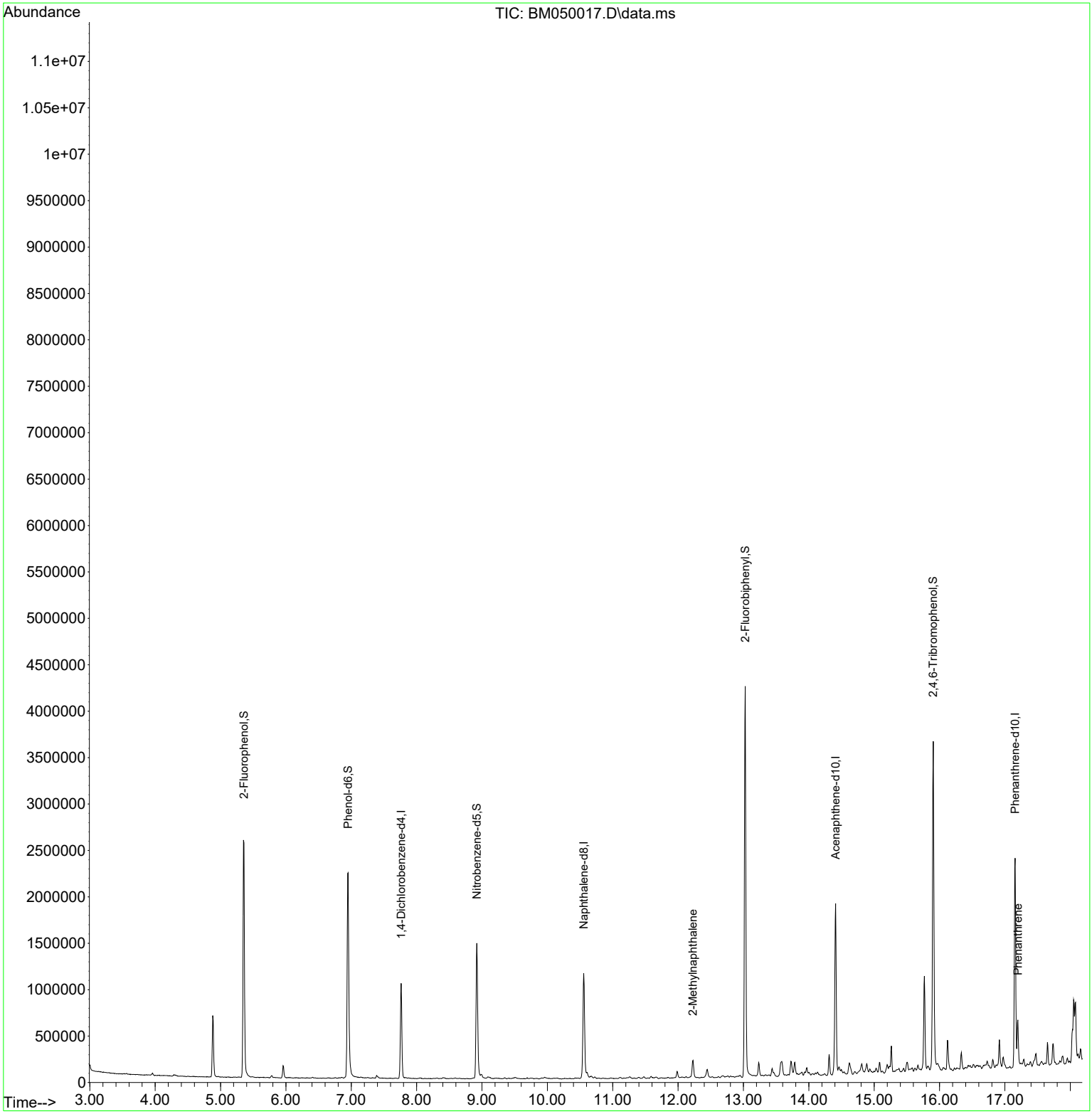
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	296499	20.000	ng	-0.02
21) Naphthalene-d8	10.557	136	1032150	20.000	ng	-0.02
39) Acenaphthene-d10	14.410	164	691467	20.000	ng	-0.01
64) Phenanthrene-d10	17.157	188	1437933	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1425719	20.000	ng	0.00
86) Perylene-d12	24.397	264	1479401	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1231995	70.557	ng	0.00
7) Phenol-d6	6.951	99	1535453	70.678	ng	0.00
23) Nitrobenzene-d5	8.922	82	922668	49.779	ng	-0.01
42) 2,4,6-Tribromophenol	15.904	330	769443	76.503	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	2409716	47.256	ng	-0.02
79) Terphenyl-d14	19.780	244	4113680	54.073	ng	-0.01
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.227	142	106654	2.854	ng	99
71) Phenanthrene	17.198	178	319402	4.052	ng	100
78) Pyrene	19.580	202	248972	2.534	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
Data File : BM050017.D
Acq On : 23 Apr 2025 17:14
Operator : RC/JU
Sample : Q1858-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COMP-3

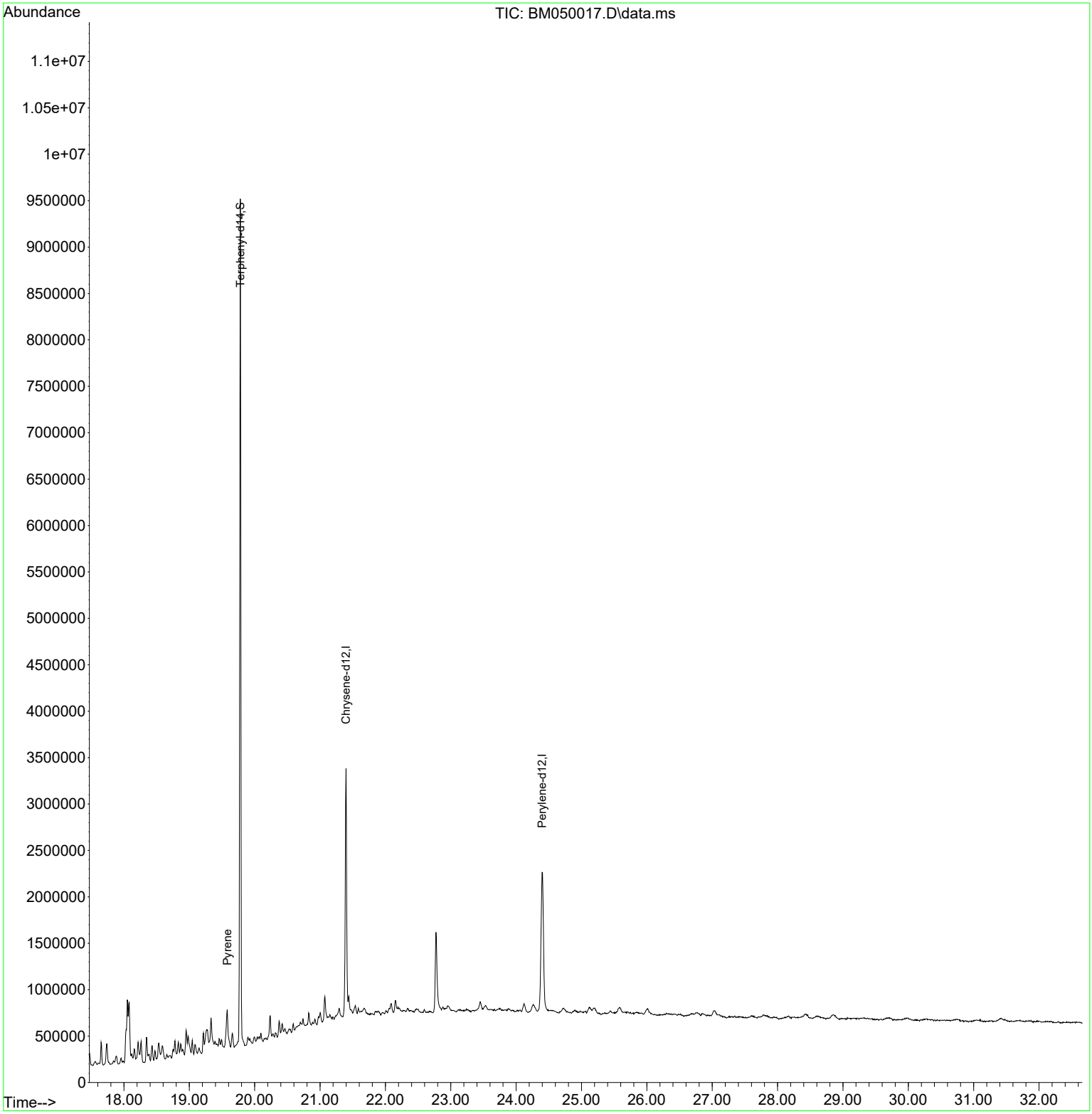
Quant Time: Apr 23 17:58:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

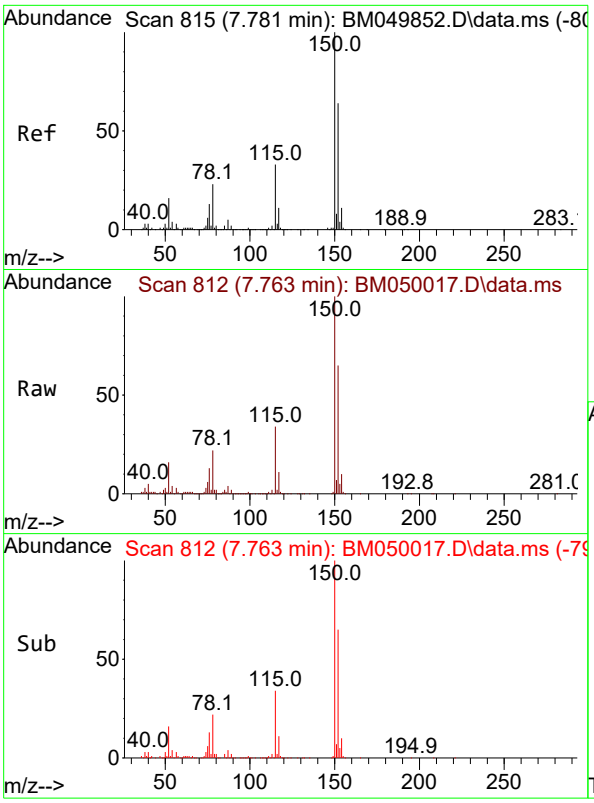


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
Data File : BM050017.D
Acq On : 23 Apr 2025 17:14
Operator : RC/JU
Sample : Q1858-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COMP-3

Quant Time: Apr 23 17:58:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



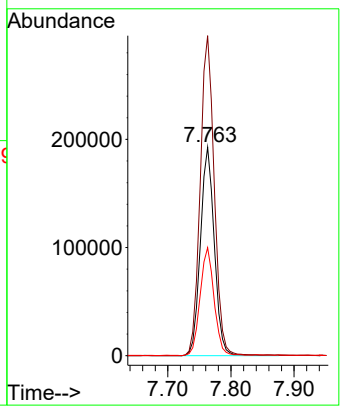


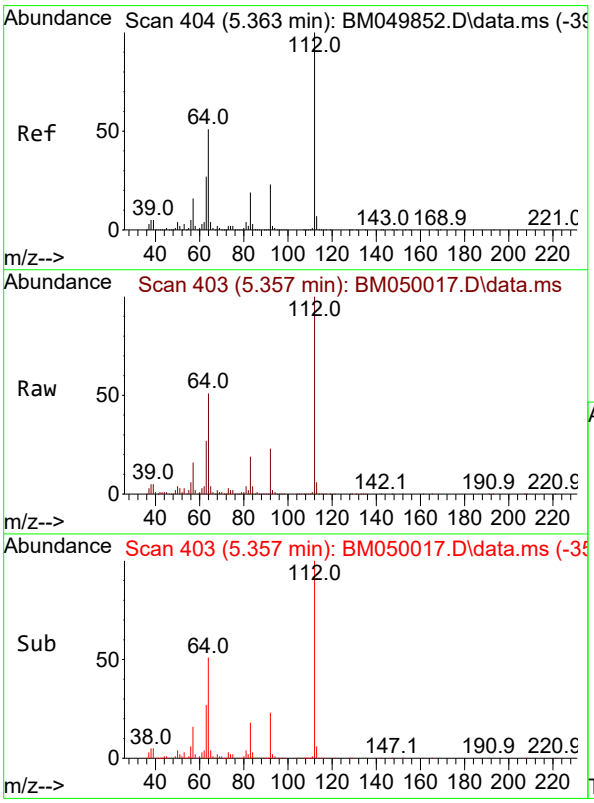
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 8
Delta R.T. -0.018 min
Lab File: BM050017.D
Acq: 23 Apr 2025 17:14

Instrument :
BNA_M
ClientSampleId :
COMP-3

Tgt Ion:152 Resp: 296499

Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.3	186.5
115	51.8	41.1	61.7

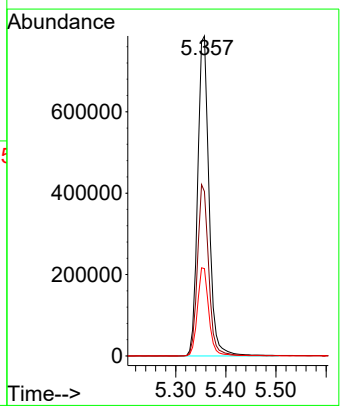


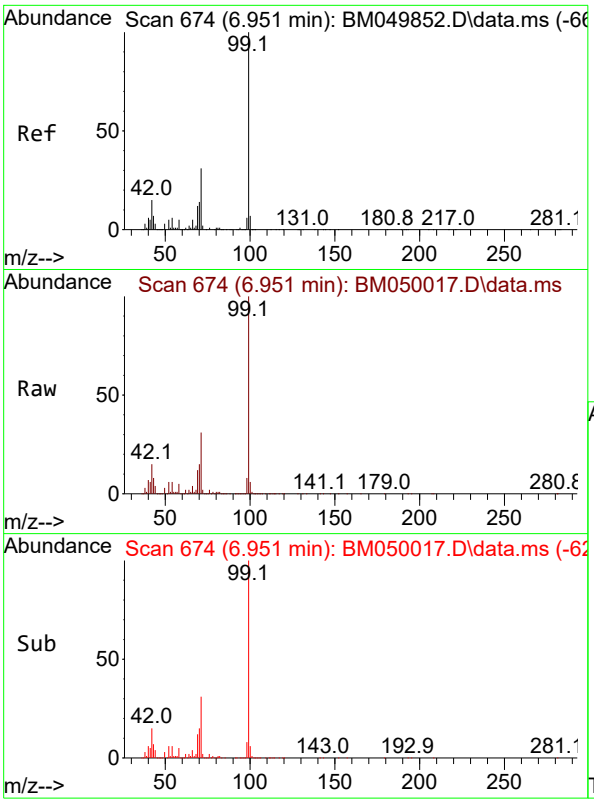


#5
2-Fluorophenol
Concen: 70.557 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM050017.D
Acq: 23 Apr 2025 17:14

Tgt Ion:112 Resp: 1231995

Ion	Ratio	Lower	Upper
112	100		
64	51.4	41.0	61.6
63	27.3	21.5	32.3



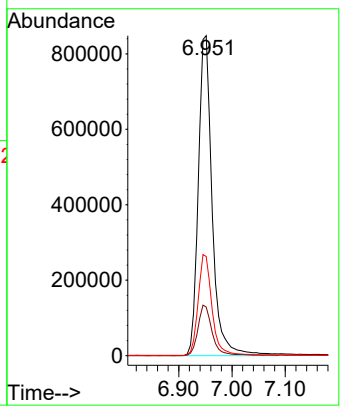


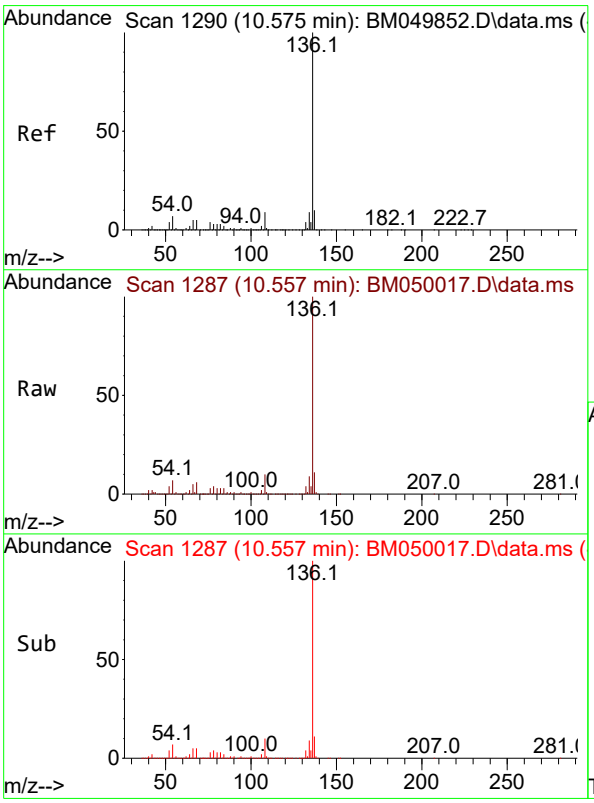
#7
Phenol-d6
Concen: 70.678 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM050017.D
Acq: 23 Apr 2025 17:14

Instrument :
BNA_M
ClientSampleId :
COMP-3

Tgt Ion: 99 Resp: 1535453

Ion	Ratio	Lower	Upper
99	100		
42	15.2	12.1	18.1
71	31.0	24.9	37.3

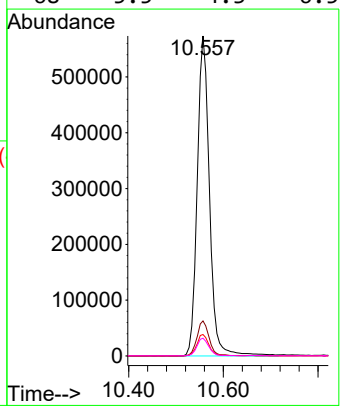


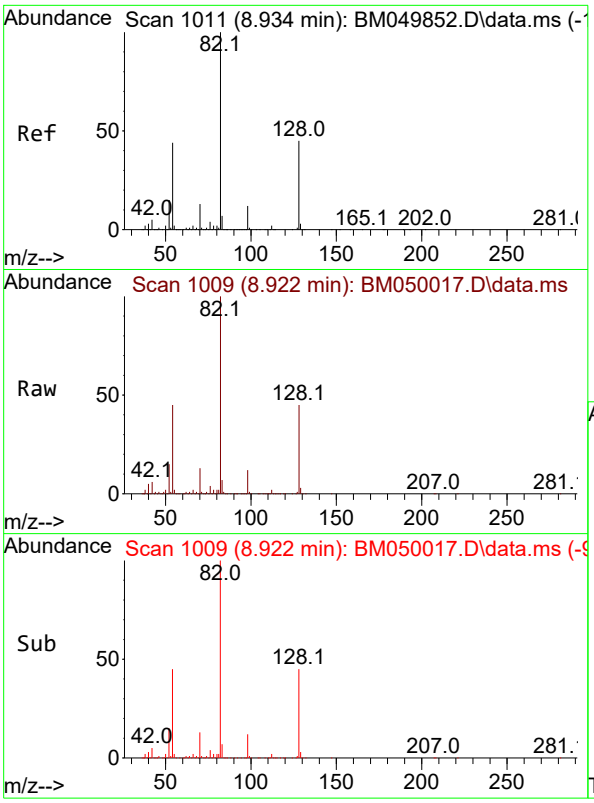


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.018 min
Lab File: BM050017.D
Acq: 23 Apr 2025 17:14

Tgt Ion:136 Resp: 1032150

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	6.7	5.3	7.9
68	5.5	4.3	6.5



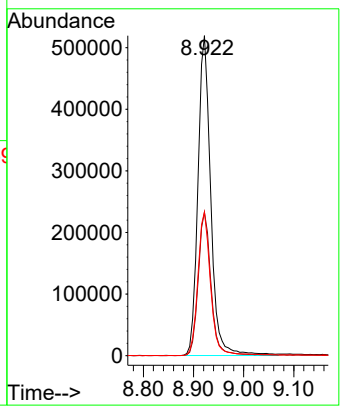


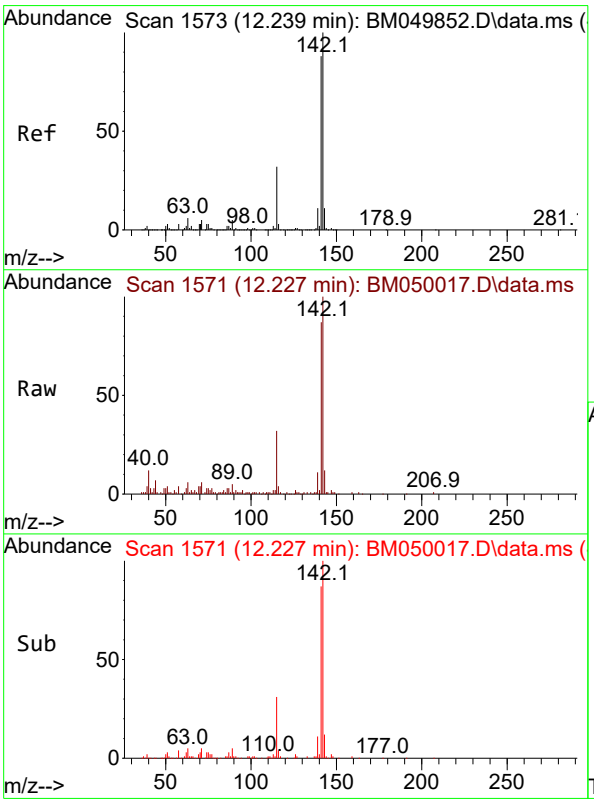
#23
Nitrobenzene-d5
Concen: 49.779 ng
RT: 8.922 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BM050017.D
Acq: 23 Apr 2025 17:14

Instrument :
BNA_M
ClientSampleId :
COMP-3

Tgt Ion: 82 Resp: 922668

Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.2	54.2
54	44.9	35.0	52.6

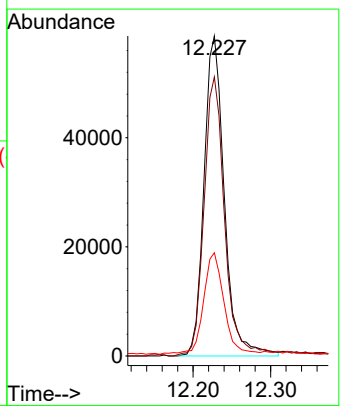


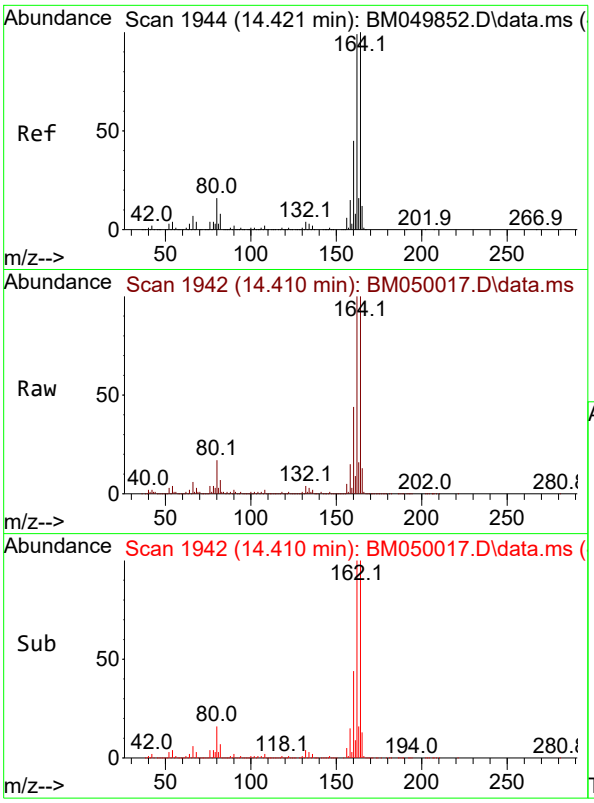


#37
2-Methylnaphthalene
Concen: 2.854 ng
RT: 12.227 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BM050017.D
Acq: 23 Apr 2025 17:14

Tgt Ion:142 Resp: 106654

Ion	Ratio	Lower	Upper
142	100		
141	87.2	70.2	105.2
115	32.3	25.4	38.2



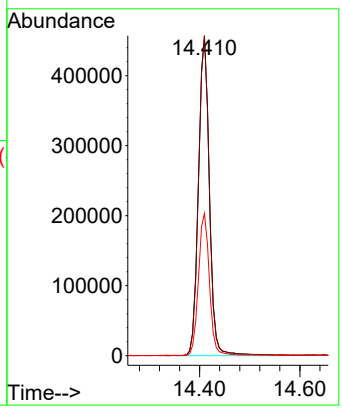


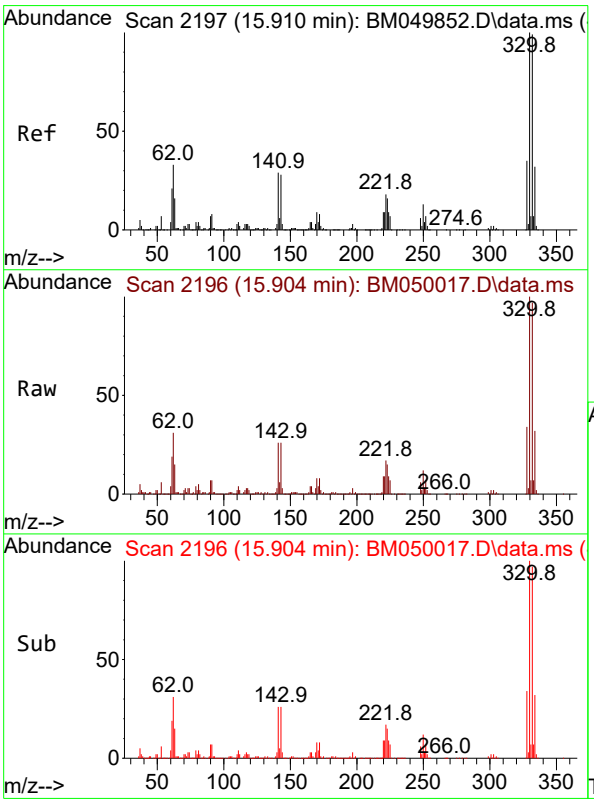
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM050017.D
Acq: 23 Apr 2025 17:14

Instrument :
BNA_M
ClientSampleId :
COMP-3

Tgt Ion:164 Resp: 691467

Ion	Ratio	Lower	Upper
164	100		
162	100.1	79.4	119.0
160	44.5	36.2	54.2

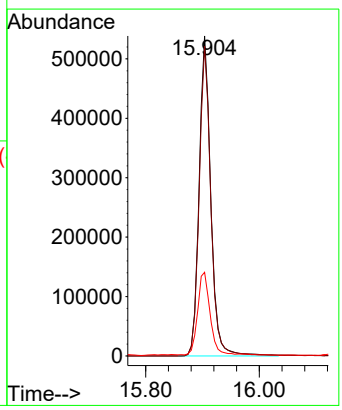


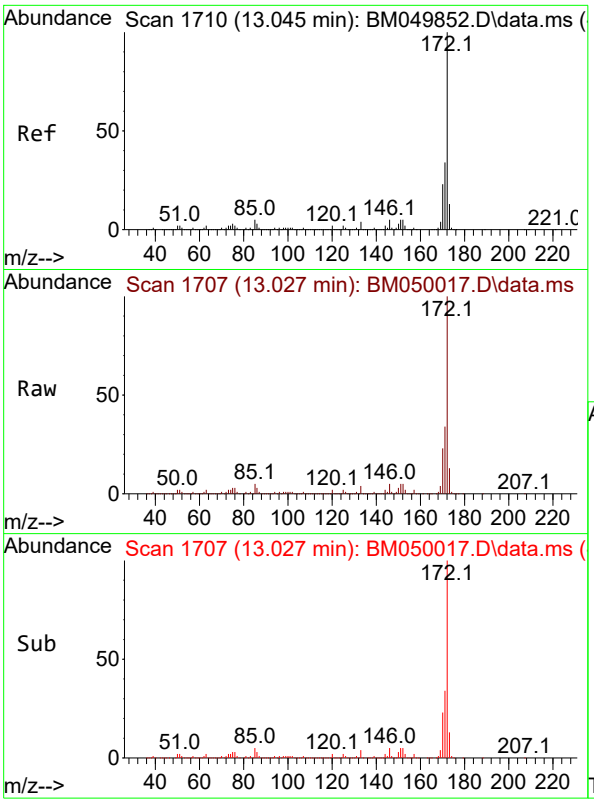


#42
2,4,6-Tribromophenol
Concen: 76.503 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM050017.D
Acq: 23 Apr 2025 17:14

Tgt Ion:330 Resp: 769443

Ion	Ratio	Lower	Upper
330	100		
332	96.8	78.0	117.0
141	27.6	23.5	35.3



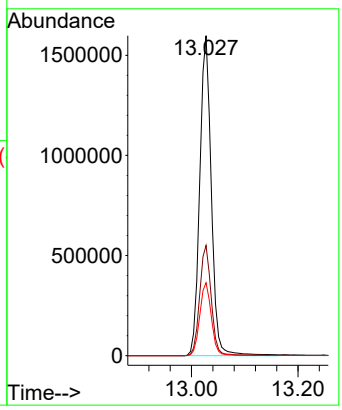


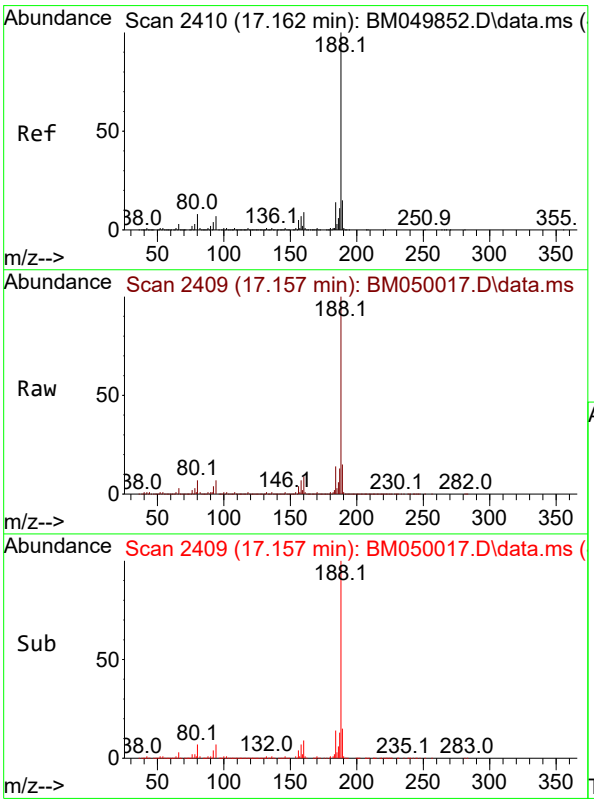
#45
2-Fluorobiphenyl
Concen: 47.256 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050017.D
Acq: 23 Apr 2025 17:14

Instrument :
BNA_M
ClientSampleId :
COMP-3

Tgt Ion:172 Resp: 2409716

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.4	41.2
170	22.8	18.6	28.0

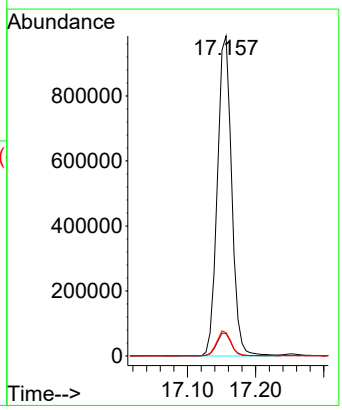


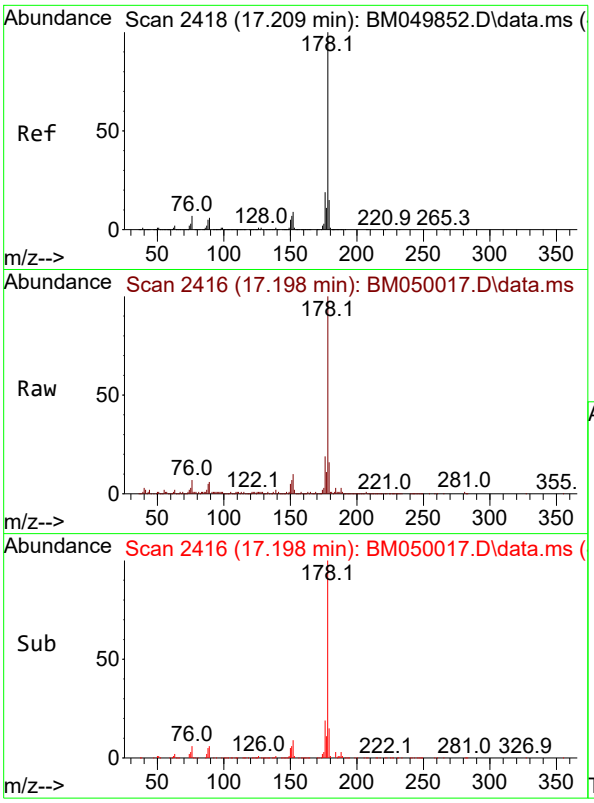


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BM050017.D
Acq: 23 Apr 2025 17:14

Tgt Ion:188 Resp: 1437933

Ion	Ratio	Lower	Upper
188	100		
94	7.1	5.8	8.6
80	7.3	6.4	9.6



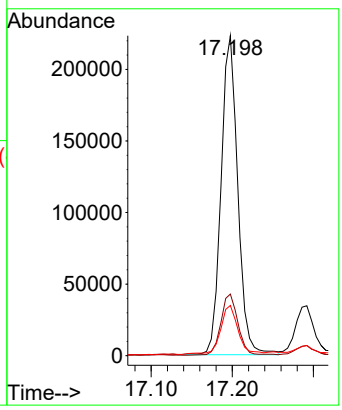


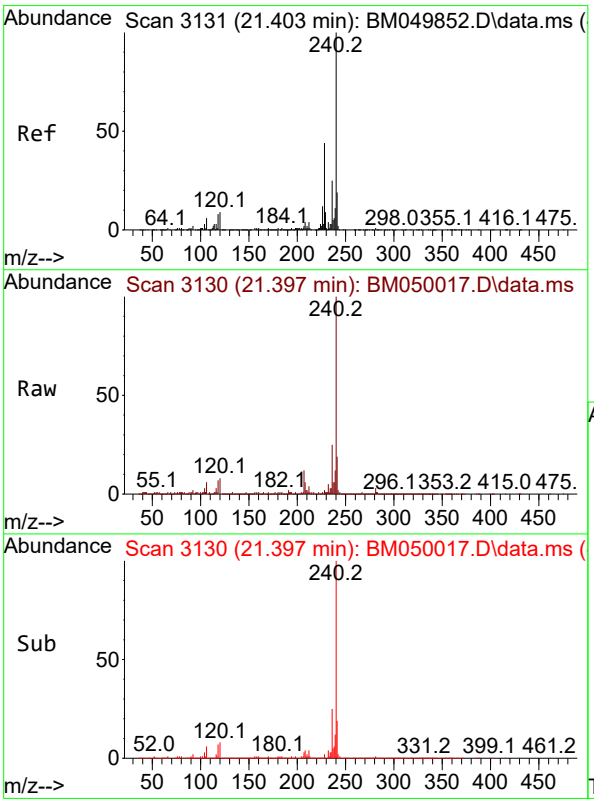
#71
Phenanthrene
Concen: 4.052 ng
RT: 17.198 min Scan# 24
Delta R.T. -0.012 min
Lab File: BM050017.D
Acq: 23 Apr 2025 17:14

Instrument :
BNA_M
ClientSampleId :
COMP-3

Tgt Ion:178 Resp: 319402

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.7	12.3	18.5

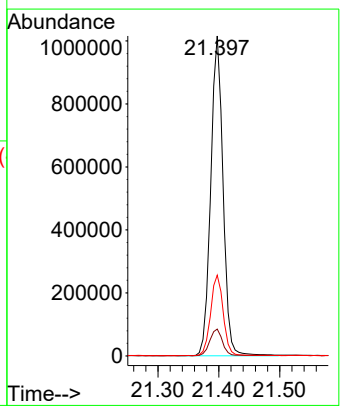


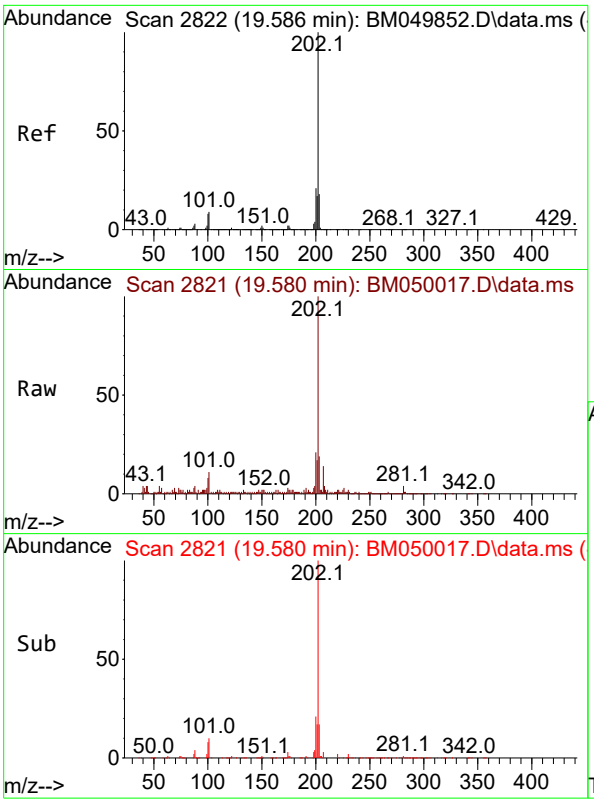


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM050017.D
Acq: 23 Apr 2025 17:14

Tgt Ion:240 Resp: 1425719

Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.9	10.3
236	25.3	20.4	30.6



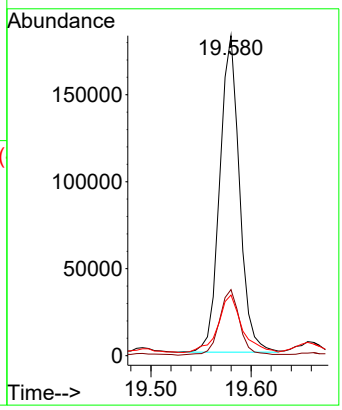


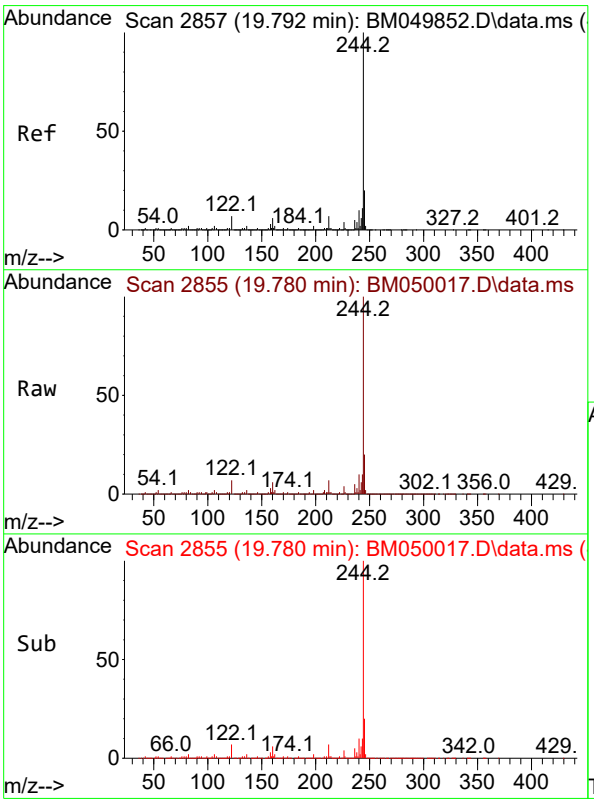
#78
Pyrene
Concen: 2.534 ng
RT: 19.580 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050017.D
Acq: 23 Apr 2025 17:14

Instrument :
BNA_M
ClientSampleId :
COMP-3

Tgt Ion:202 Resp: 248972

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.5	24.7
203	19.0	14.0	21.0

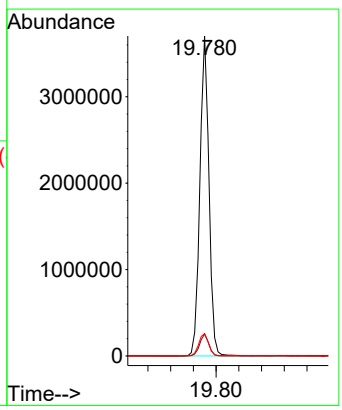


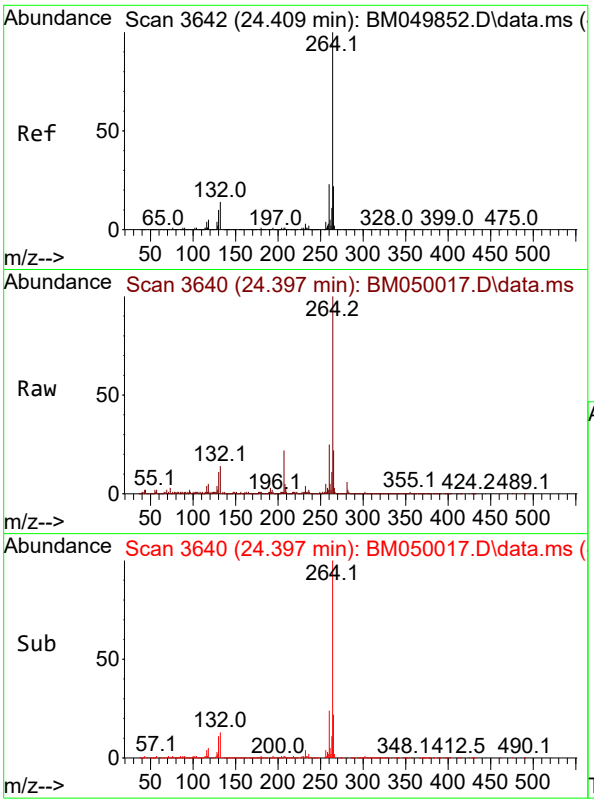


#79
Terphenyl-d14
Concen: 54.073 ng
RT: 19.780 min Scan# 2855
Delta R.T. -0.012 min
Lab File: BM050017.D
Acq: 23 Apr 2025 17:14

Tgt Ion:244 Resp: 4113680

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.5	8.3
122	7.0	5.4	8.0



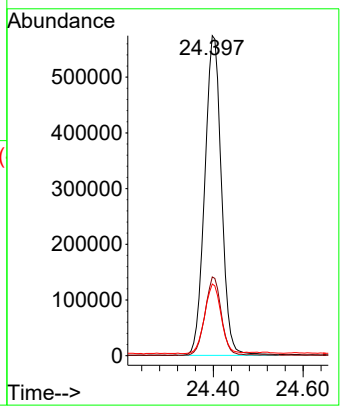


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM050017.D
Acq: 23 Apr 2025 17:14

Instrument :
BNA_M
ClientSampleId :
COMP-3

Tgt Ion:264 Resp: 1479401

Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.6	28.0
265	22.4	17.8	26.8



CALIBRATION SUMMARY

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: Q1858 SAS No.: Q1858 SDG No.: Q1858

Instrument ID: BNA_M Calibration Date(s): 04/08/2025 04/08/2025

Calibration Time(s): 13:35 20:07

LAB FILE ID: RRF2.5 = BM049848.D RRF005 = BM049849.D RRF010 = BM049850.D
RRF020 = BM049851.D RRF040 = BM049852.D RRF050 = BM049853.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.145	1.144	1.213	1.191	1.165	1.178	2.4
Phenol-d6		1.391	1.392	1.523	1.491	1.433	1.465	4.2
Nitrobenzene-d5		0.335	0.344	0.366	0.368	0.361	0.359	4.0
Naphthalene		1.004	0.990	1.045	1.042	1.019	1.028	2.3
2-Fluorobiphenyl		1.425	1.414	1.499	1.515	1.486	1.475	2.7
Fluorene		1.354	1.335	1.450	1.481	1.456	1.439	4.7
2,4,6-Tribromophenol		0.258	0.255	0.280	0.294	0.298	0.291	9.9
Phenanthrene		1.031	1.030	1.095	1.133	1.104	1.096	4.4
Anthracene		0.997	1.004	1.074	1.125	1.099	1.081	5.4
Pyrene		1.310	1.280	1.395	1.408	1.393	1.378	4.3
Terphenyl-d14		0.988	1.004	1.139	1.187	1.142	1.067	7.9
Benzo(a)anthracene		1.237	1.226	1.335	1.362	1.345	1.329	5.4
Chrysene		1.179	1.173	1.261	1.292	1.277	1.264	5.2
Benzo(b)fluoranthene		1.141	1.157	1.223	1.308	1.313	1.277	8.4
Benzo(a)pyrene		1.011	1.026	1.096	1.130	1.154	1.122	7.5
Indeno(1,2,3-cd)pyrene		1.375	1.368	1.480	1.507	1.523	1.491	6.2
Benzo(g,h,i)perylene		1.178	1.179	1.255	1.265	1.269	1.255	4.7

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Apr 09 04:00:55 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BM049848.D 5 =BM049849.D 10 =BM049850.D 20 =BM049851.D 40 =BM049852.D 50 =BM049853.D 60 =BM049854.D 80 =BM0498
55.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.497	0.470	0.501	0.488	0.486	0.471	0.483	0.485	2.47
3)		Pyridine		1.262	1.220	1.322	1.287	1.276	1.278	1.276	1.274	2.40
4)		n-Nitrosodimet...		0.478	0.461	0.496	0.489	0.484	0.500	0.488	0.485	2.67
5)	S	2-Fluorophenol		1.145	1.144	1.213	1.191	1.165	1.210	1.177	1.178	2.40
6)		Aniline		1.304	1.315	1.396	1.325	1.153	1.142	1.154	1.256	8.22
7)	S	Phenol-d6		1.391	1.392	1.523	1.491	1.433	1.543	1.485	1.465	4.15
8)		2-Chlorophenol		1.180	1.191	1.250	1.218	1.174	1.239	1.199	1.207	2.42
9)		Benzaldehyde		0.873	0.830	0.838	0.750	0.712	0.701	0.561	0.752	14.25
10)	C	Phenol		1.376	1.370	1.482	1.441	1.394	1.496	1.451	1.430	3.56
11)		bis(2-Chloroet...		1.113	1.084	1.147	1.135	1.096	1.160	1.114	1.121	2.45
12)		1,3-Dichlorobe...		1.417	1.391	1.475	1.438	1.418	1.441	1.409	1.427	1.90
13)	C	1,4-Dichlorobe...		1.418	1.399	1.488	1.453	1.412	1.455	1.426	1.436	2.15
14)		1,2-Dichlorobe...		1.348	1.325	1.402	1.374	1.324	1.359	1.334	1.352	2.12
15)		Benzyl Alcohol		0.852	0.857	0.950	0.953	0.904	0.993	0.951	0.923	5.79
16)		2,2'-oxybis(1-...		1.268	1.235	1.312	1.267	1.192	1.261	1.214	1.250	3.18
17)		2-Methylphenol		0.858	0.856	0.916	0.891	0.850	0.920	0.877	0.881	3.29
18)		Hexachloroethane		0.505	0.494	0.520	0.504	0.486	0.501	0.488	0.500	2.32
19)	P	n-Nitroso-di-n...	0.760	0.786	0.783	0.860	0.836	0.793	0.859	0.816	0.812	4.60
20)		3+4-Methylphenols		1.140	1.142	1.246	1.224	1.170	1.272	1.215	1.201	4.31
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.463	0.477	0.496	0.498	0.482	0.494	0.493	0.486	2.64
23)	S	Nitrobenzene-d5		0.335	0.344	0.366	0.368	0.361	0.370	0.371	0.359	3.96
24)		Nitrobenzene		0.329	0.329	0.354	0.356	0.345	0.353	0.354	0.346	3.49
25)		Isophorone		0.569	0.568	0.613	0.616	0.598	0.628	0.620	0.602	4.05
26)	C	2-Nitrophenol		0.162	0.165	0.183	0.189	0.190	0.197	0.197	0.183	7.91
27)		2,4-Dimethylph...		0.185	0.194	0.208	0.213	0.212	0.221	0.221	0.208	6.48
28)		bis(2-Chloroet...		0.386	0.386	0.411	0.410	0.399	0.415	0.412	0.403	3.08
29)	C	2,4-Dichloroph...		0.319	0.320	0.348	0.353	0.349	0.364	0.364	0.345	5.45
30)		1,2,4-Trichlor...		0.386	0.380	0.401	0.404	0.399	0.412	0.413	0.399	3.11
31)		Naphthalene		1.004	0.990	1.045	1.042	1.019	1.050	1.045	1.028	2.32
32)		Benzoic acid			0.109	0.175	0.230	0.240	0.283	0.283	0.220	30.63
33)		4-Chloroaniline		0.348	0.351	0.376	0.380	0.359	0.359	0.366	0.363	3.34
34)	C	Hexachlorobuta...		0.238	0.236	0.245	0.249	0.249	0.255	0.258	0.247	3.33
35)		Caprolactam		0.093	0.089	0.100	0.102	0.099	0.107	0.104	0.099	6.29
36)	C	4-Chloro-3-met...		0.277	0.276	0.305	0.309	0.303	0.326	0.321	0.302	6.41
37)		2-Methylnaphth...		0.683	0.685	0.729	0.734	0.721	0.762	0.755	0.724	4.23
38)		1-Methylnaphth...		0.680	0.659	0.711	0.713	0.703	0.739	0.732	0.705	3.97

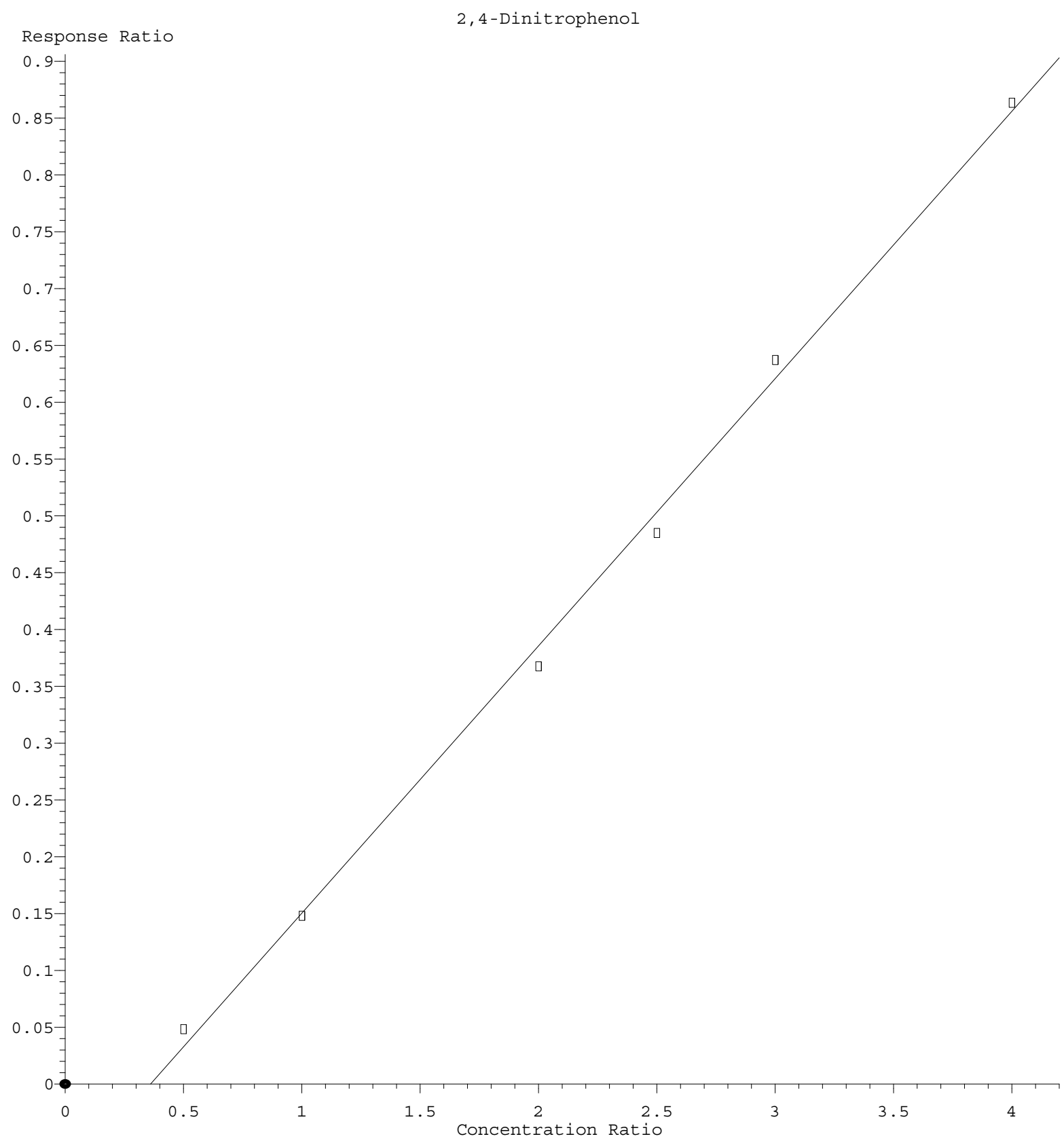
Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM040825.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.664	0.662	0.697	0.706	0.711	0.721	0.737	0.700	4.02
41)	P	Hexachlorocycl...	0.214	0.223	0.247	0.264	0.260	0.258	0.251	0.245	7.86
42)	S	2,4,6-Tribromo...	0.258	0.255	0.280	0.294	0.298	0.323	0.328	0.291	9.94
43)	C	2,4,6-Trichlor...	0.417	0.420	0.444	0.459	0.449	0.459	0.468	0.445	4.46
44)		2,4,5-Trichlor...	0.465	0.452	0.472	0.500	0.483	0.504	0.510	0.484	4.52
45)	S	2-Fluorobiphenyl	1.425	1.414	1.499	1.515	1.486	1.482	1.504	1.475	2.68
46)		1,1'-Biphenyl	1.451	1.429	1.514	1.528	1.480	1.490	1.515	1.487	2.45
47)		2-Chloronaphth...	1.140	1.144	1.188	1.194	1.163	1.162	1.189	1.169	1.88
48)		2-Nitroaniline	0.232	0.242	0.272	0.283	0.281	0.286	0.295	0.270	8.83
49)		Acenaphthylene	1.627	1.613	1.718	1.742	1.711	1.735	1.768	1.702	3.46
50)		Dimethylphthalate	1.366	1.331	1.430	1.438	1.411	1.446	1.455	1.411	3.27
51)		2,6-Dinitrotol...	0.249	0.265	0.303	0.310	0.305	0.317	0.320	0.296	9.38
52)	C	Acenaphthene	1.027	1.023	1.089	1.113	1.089	1.110	1.127	1.083	3.83
53)		3-Nitroaniline	0.236	0.253	0.290	0.310	0.295	0.295	0.321	0.286	10.64
54)	P	2,4-Dinitrophenol		0.097	0.148	0.184	0.194	0.212	0.216	0.175	26.04
55)		Dibenzofuran	1.737	1.709	1.821	1.845	1.815	1.862	1.879	1.810	3.52
56)	P	4-Nitrophenol	0.195	0.213	0.257	0.270	0.273	0.286	0.288	0.255	14.34
57)		2,4-Dinitrotol...	0.309	0.333	0.395	0.421	0.420	0.440	0.443	0.394	13.45
58)		Fluorene	1.354	1.335	1.450	1.481	1.456	1.489	1.505	1.439	4.67
59)		2,3,4,6-Tetrac...	0.418	0.397	0.416	0.427	0.420	0.440	0.452	0.424	4.21
60)		Diethylphthalate	1.311	1.270	1.378	1.390	1.347	1.378	1.397	1.353	3.46
61)		4-Chlorophenyl...	0.699	0.694	0.761	0.789	0.791	0.830	0.836	0.771	7.43
62)		4-Nitroaniline	0.227	0.247	0.301	0.320	0.316	0.327	0.331	0.295	14.02
63)		Azobenzene	1.077	1.085	1.185	1.202	1.167	1.192	1.200	1.158	4.67
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.094	0.119	0.132	0.133	0.138	0.140	0.126	13.60
66)	c	n-Nitrosodiphe...	0.561	0.578	0.606	0.619	0.602	0.610	0.614	0.599	3.54
67)		4-Bromophenyl-...	0.212	0.212	0.227	0.239	0.237	0.247	0.252	0.232	6.83
68)		Hexachlorobenzene	0.249	0.250	0.262	0.273	0.268	0.279	0.284	0.266	5.08
69)		Atrazine	0.186	0.177	0.142	0.130	0.142		0.155		15.89
70)	C	Pentachlorophenol	0.181	0.186	0.191	0.204	0.197	0.204	0.210	0.196	5.46
71)		Phenanthrene	1.031	1.030	1.095	1.133	1.104	1.135	1.147	1.096	4.41
72)		Anthracene	0.997	1.004	1.074	1.125	1.099	1.125	1.140	1.081	5.41
73)		Carbazole	0.922	0.952	1.024	1.059	1.038	1.060	1.071	1.018	5.69
74)		Di-n-butylphth...	1.119	1.120	1.189	1.216	1.176	1.191	1.196	1.172	3.22
75)	C	Fluoranthene	1.187	1.206	1.310	1.387	1.395	1.463	1.488	1.348	8.78
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.319	0.260	0.205	0.403	0.163	0.150	0.357	0.265	36.93
78)		Pyrene	1.310	1.280	1.395	1.408	1.393	1.419	1.443	1.378	4.35
79)	S	Terphenyl-d14	0.988	1.004	1.139	1.187	1.142	1.007	1.004	1.067	7.91
80)		Butylbenzylpht...	0.502	0.500	0.537	0.536	0.511	0.516	0.523	0.518	2.88
81)		Benzo(a)anthra...	1.237	1.226	1.335	1.362	1.345	1.391	1.408	1.329	5.38
82)		3,3'-Dichlorob...	0.428	0.450	0.492	0.526	0.516	0.538	0.565	0.502	9.74
83)		Chrysene	1.179	1.173	1.261	1.292	1.277	1.318	1.346	1.264	5.21
84)		Bis(2-ethylhex...	0.758	0.747	0.790	0.783	0.740	0.727	0.737	0.755	3.16
85)	c	Di-n-octyl pht...	1.291	1.287	1.366	1.362	1.307	1.311	1.316	1.320	2.42

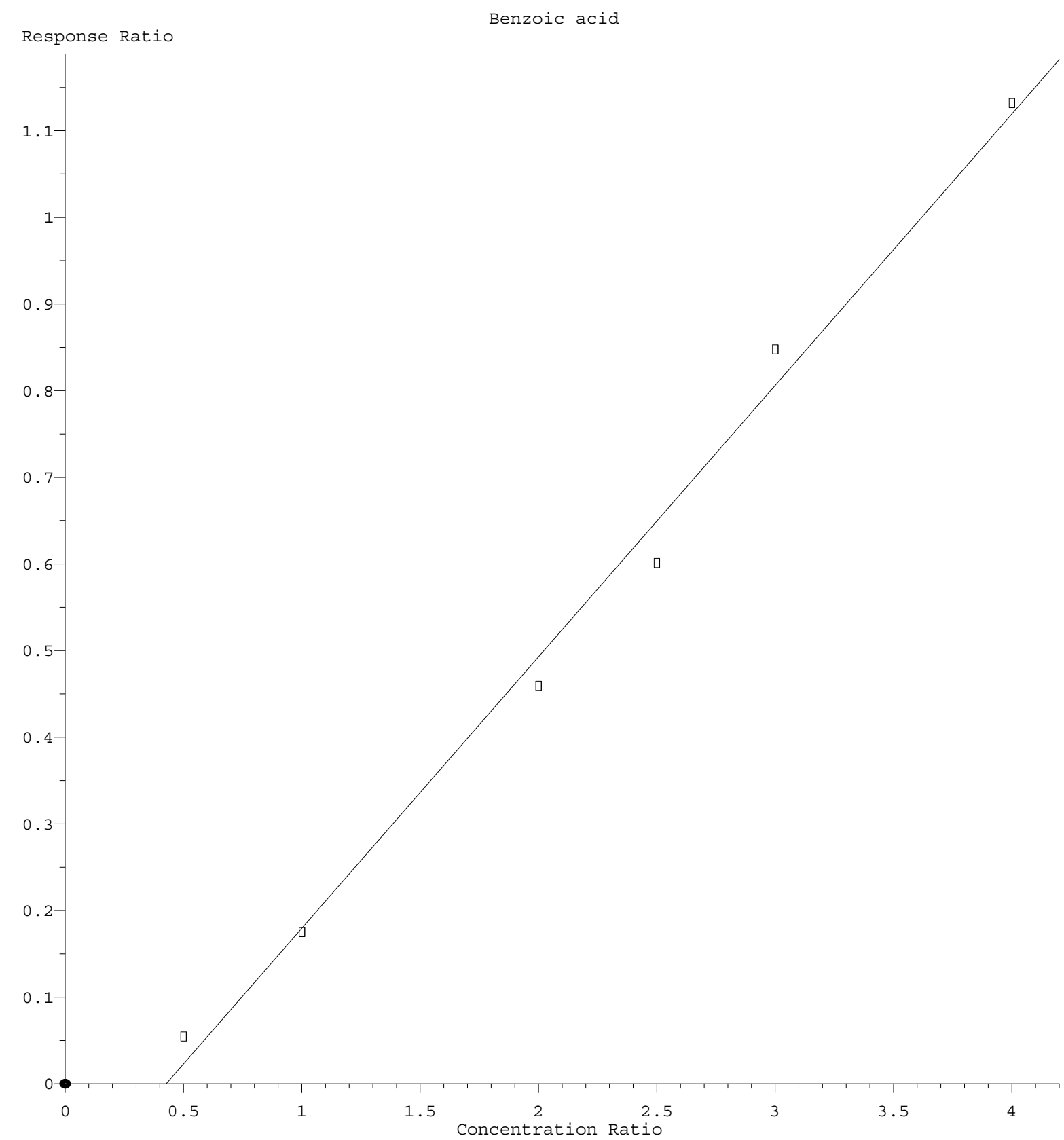
Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM040825.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.375	1.368	1.480	1.507	1.523	1.577	1.606	1.491	6.16
88)		Benzo(b)fluora...	1.141	1.157	1.223	1.308	1.313	1.379	1.420	1.277	8.40
89)		Benzo(k)fluora...	1.132	1.122	1.209	1.242	1.263	1.336	1.362	1.238	7.46
90)	C	Benzo(a)pyrene	1.011	1.026	1.096	1.130	1.154	1.209	1.230	1.122	7.50
91)		Dibenzo(a,h)an...	1.128	1.128	1.205	1.244	1.258	1.301	1.331	1.228	6.43
92)		Benzo(g,h,i)pe...	1.178	1.179	1.255	1.265	1.269	1.310	1.328	1.255	4.65

(#) = Out of Range



Response = 2.353e-001 * Amt - 8.501e-002
Coef of Det (r^2) = 0.997352 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM040825.M
Calibration Table Last Updated: Wed Apr 09 04:00:55 2025



Response = 3.132e-001 * Amt - 1.337e-001
Coef of Det (r^2) = 0.992281 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM040825.M
Calibration Table Last Updated: Wed Apr 09 04:00:55 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049848.D
Acq On : 08 Apr 2025 13:35
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 09 02:59:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	320498	20.000	ng	0.00
21) Naphthalene-d8	10.574	136	1104487	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	681841	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1325316	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1306777	20.000	ng	0.00
86) Perylene-d12	24.409	264	1436109	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.580	70	30460	2.342	ng	98

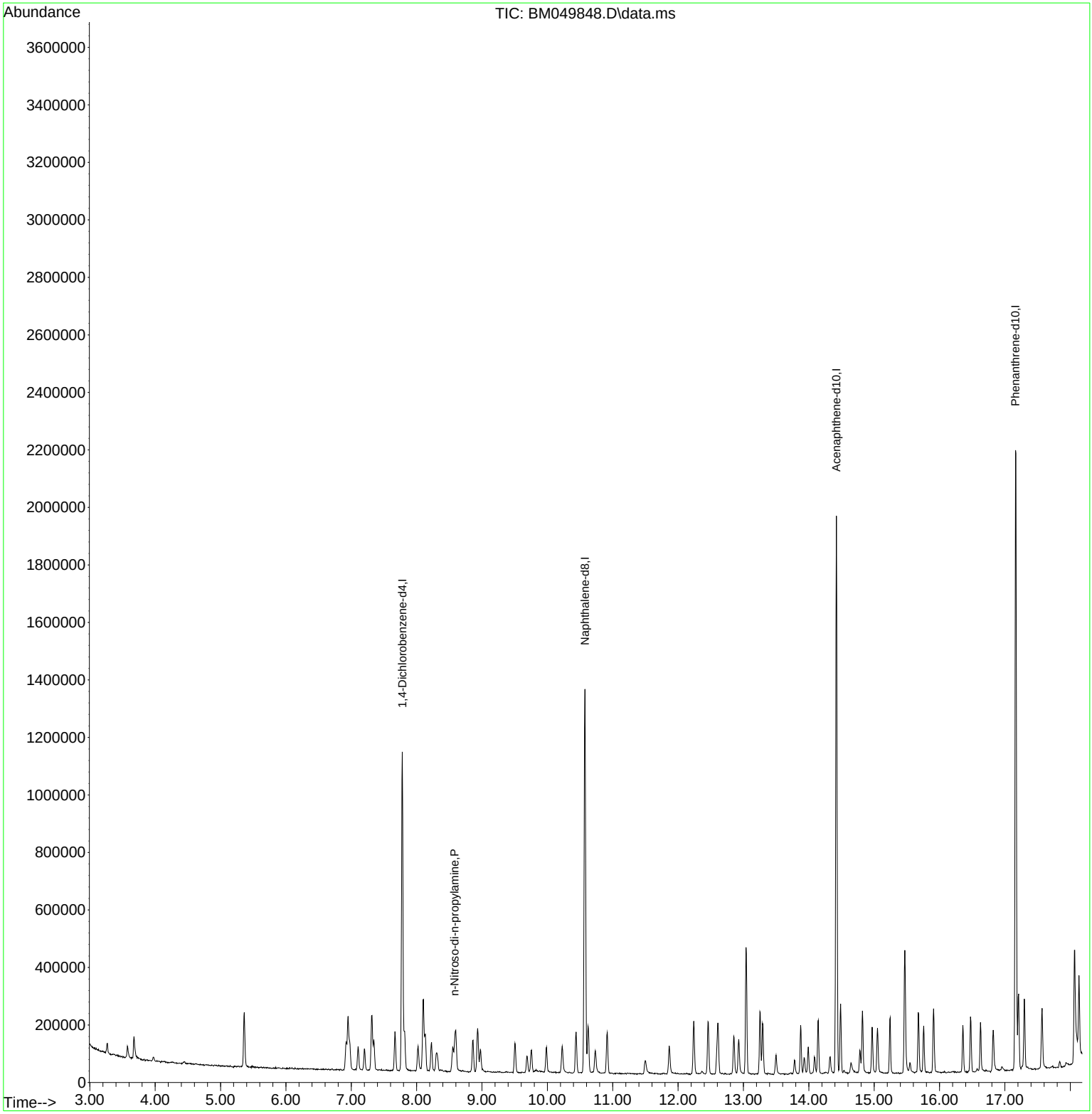
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049848.D
Acq On : 08 Apr 2025 13:35
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

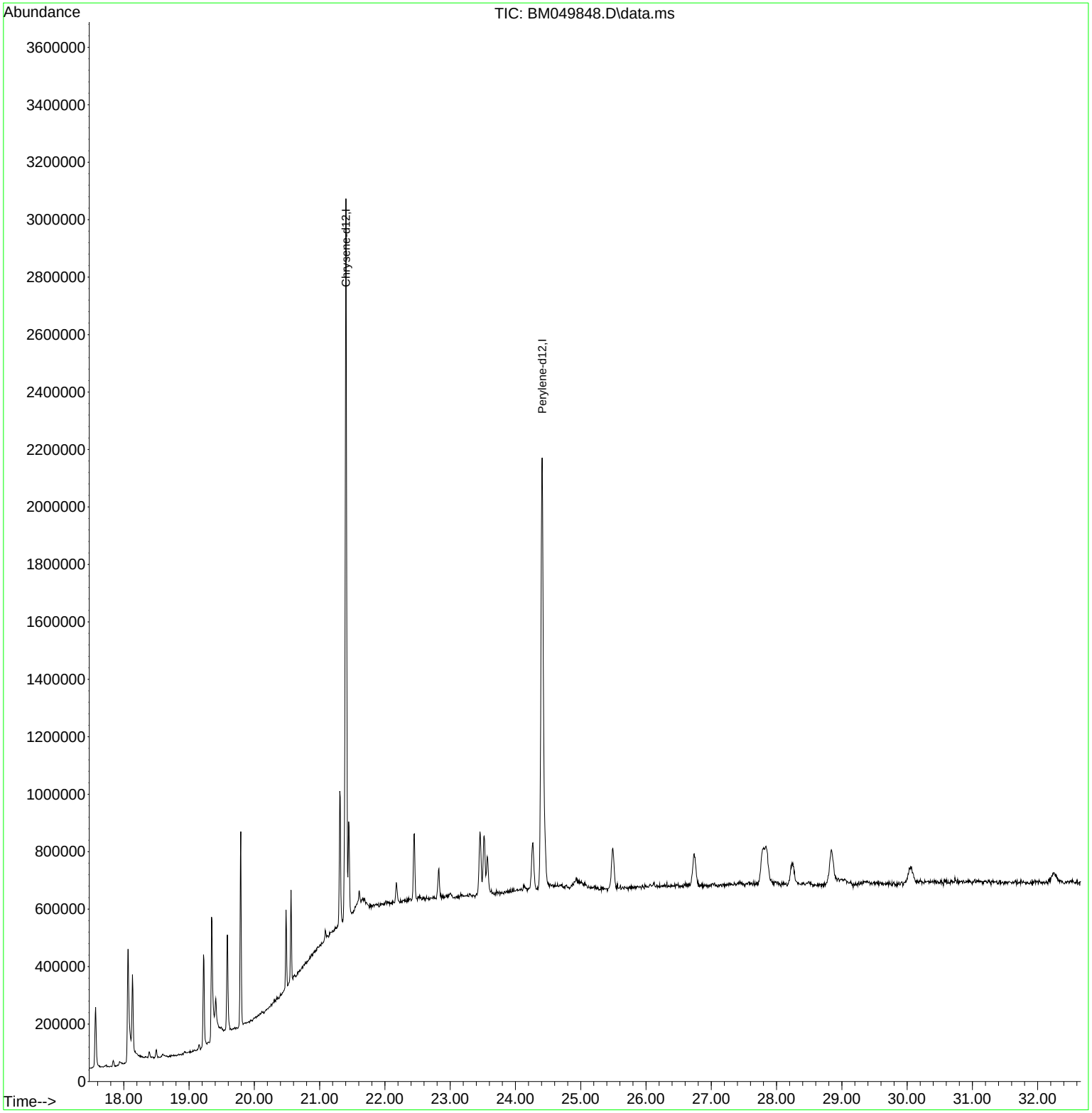
Quant Time: Apr 09 02:59:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049848.D
Acq On : 08 Apr 2025 13:35
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 09 02:59:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049849.D
Acq On : 08 Apr 2025 14:14
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Quant Time: Apr 09 02:59:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.781	152	315494	20.000	ng		0.00
21) Naphthalene-d8	10.575	136	1095995	20.000	ng		0.00
39) Acenaphthene-d10	14.421	164	671126	20.000	ng		0.00
64) Phenanthrene-d10	17.162	188	1305854	20.000	ng		0.00
76) Chrysene-d12	21.403	240	1255417	20.000	ng		0.00
86) Perylene-d12	24.403	264	1363674	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.363	112	180654	9.723	ng		0.00
7) Phenol-d6	6.951	99	219444	9.493	ng		0.00
23) Nitrobenzene-d5	8.933	82	183508	9.324	ng		0.00
42) 2,4,6-Tribromophenol	15.909	330	86574	8.869	ng		0.00
45) 2-Fluorobiphenyl	13.039	172	478149	9.661	ng		0.00
79) Terphenyl-d14	19.792	244	620191	9.258	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.263	88	39196	5.123	ng		99
3) Pyridine	3.669	79	99537	4.953	ng		93
4) n-Nitrosodimethylamine	3.575	42	37684	4.926	ng	#	91
6) Aniline	7.104	93	102863	5.193	ng		98
8) 2-Chlorophenol	7.345	128	93043	4.887	ng		99
9) Benzaldehyde	6.922	77	68896m	5.813	ng		
10) Phenol	6.975	94	108517	4.811	ng		100
11) bis(2-Chloroethyl)ether	7.204	93	87813	4.964	ng		99
12) 1,3-Dichlorobenzene	7.669	146	111770	4.965	ng		98
13) 1,4-Dichlorobenzene	7.816	146	111836	4.937	ng		99
14) 1,2-Dichlorobenzene	8.133	146	106307	4.983	ng		96
15) Benzyl Alcohol	8.022	79	67196	4.616	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.310	45	100016	5.073	ng		97
17) 2-Methylphenol	8.228	107	67662	4.867	ng		99
18) Hexachloroethane	8.863	117	39805	5.051	ng		96
19) n-Nitroso-di-n-propyla...	8.581	70	61968	4.840	ng		97
20) 3+4-Methylphenols	8.551	107	89903	4.744	ng		99
22) Acetophenone	8.598	105	126780	4.760	ng		96
24) Nitrobenzene	8.975	77	90100	4.754	ng		99
25) Isophorone	9.504	82	156018	4.732	ng		99
26) 2-Nitrophenol	9.686	139	44371	4.417	ng		96
27) 2,4-Dimethylphenol	9.757	122	50734	4.457	ng		98
28) bis(2-Chloroethoxy)met...	9.986	93	105841	4.795	ng		98
29) 2,4-Dichlorophenol	10.227	162	87444	4.621	ng		97
30) 1,2,4-Trichlorobenzene	10.439	180	105742	4.830	ng		99
31) Naphthalene	10.622	128	274967	4.883	ng		99
33) 4-Chloroaniline	10.733	127	95317	4.793	ng		99
34) Hexachlorobutadiene	10.916	225	65197	4.815	ng		98
35) Caprolactam	11.498	113	25608	4.718	ng		91
36) 4-Chloro-3-methylphenol	11.869	107	75972	4.583	ng		99
37) 2-Methylnaphthalene	12.239	142	187208	4.718	ng		99
38) 1-Methylnaphthalene	12.457	142	186332	4.820	ng		99
40) 1,2,4,5-Tetrachloroben...	12.610	216	111415	4.745	ng		99
41) Hexachlorocyclopentadiene	12.592	237	35937	4.368	ng		98
43) 2,4,6-Trichlorophenol	12.851	196	69935	4.681	ng		97
44) 2,4,5-Trichlorophenol	12.927	196	78011	4.805	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049849.D
Acq On : 08 Apr 2025 14:14
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Quant Time: Apr 09 02:59:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	1,1'-Biphenyl	13.257	154	243448	4.880	ng		99
47)	2-Chloronaphthalene	13.292	162	191299	4.879	ng		98
48)	2-Nitroaniline	13.498	65	38874	4.285	ng		94
49)	Acenaphthylene	14.145	152	272990	4.779	ng		99
50)	Dimethylphthalate	13.874	163	229200	4.841	ng		99
51)	2,6-Dinitrotoluene	13.992	165	41712	4.205	ng		93
52)	Acenaphthene	14.486	154	172362	4.744	ng		100
53)	3-Nitroaniline	14.321	138	39627	4.133	ng	#	99
55)	Dibenzofuran	14.821	168	291515	4.800	ng		99
56)	4-Nitrophenol	14.639	139	32685	3.826	ng		95
57)	2,4-Dinitrotoluene	14.780	165	51881	3.920	ng	#	94
58)	Fluorene	15.468	166	227189	4.706	ng		99
59)	2,3,4,6-Tetrachlorophenol	15.051	232	70065	4.924	ng		98
60)	Diethylphthalate	15.239	149	220014	4.846	ng		98
61)	4-Chlorophenyl-phenyle...	15.468	204	117238	4.529	ng		97
62)	4-Nitroaniline	15.480	138	38105	3.843	ng		95
63)	Azobenzene	15.757	77	180758	4.650	ng		98
66)	n-Nitrosodiphenylamine	15.674	169	183131	4.686	ng		100
67)	4-Bromophenyl-phenylether	16.356	248	69182	4.564	ng		98
68)	Hexachlorobenzene	16.474	284	81189	4.669	ng		95
69)	Atrazine	16.627	200	60729	5.993	ng		98
70)	Pentachlorophenol	16.821	266	59080	4.615	ng		98
71)	Phenanthrene	17.203	178	336674	4.703	ng		100
72)	Anthracene	17.298	178	325638	4.616	ng		99
73)	Carbazole	17.568	167	301001	4.530	ng		99
74)	Di-n-butylphthalate	18.133	149	365358	4.773	ng		100
75)	Fluoranthene	19.221	202	387674	4.404	ng		100
77)	Benzidine	19.409	184	100183	6.015	ng		97
78)	Pyrene	19.586	202	411233	4.753	ng		99
80)	Butylbenzylphthalate	20.486	149	157696	4.851	ng		98
81)	Benzo(a)anthracene	21.386	228	388113	4.652	ng		100
82)	3,3'-Dichlorobenzidine	21.309	252	134300	4.262	ng	#	98
83)	Chrysene	21.444	228	370038	4.665	ng		100
84)	Bis(2-ethylhexyl)phtha...	21.315	149	237828	5.021	ng		100
85)	Di-n-octyl phthalate	22.444	149	405083	4.889	ng		99
87)	Indeno(1,2,3-cd)pyrene	27.785	276	468774	4.612	ng	#	93
88)	Benzo(b)fluoranthene	23.456	252	389022	4.467	ng		98
89)	Benzo(k)fluoranthene	23.521	252	385821	4.571	ng		98
90)	Benzo(a)pyrene	24.262	252	344800	4.505	ng		98
91)	Dibenzo(a,h)anthracene	27.844	278	384717	4.595	ng		99
92)	Benzo(g,h,i)perylene	28.838	276	401539	4.693	ng		99

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

ICAL Form

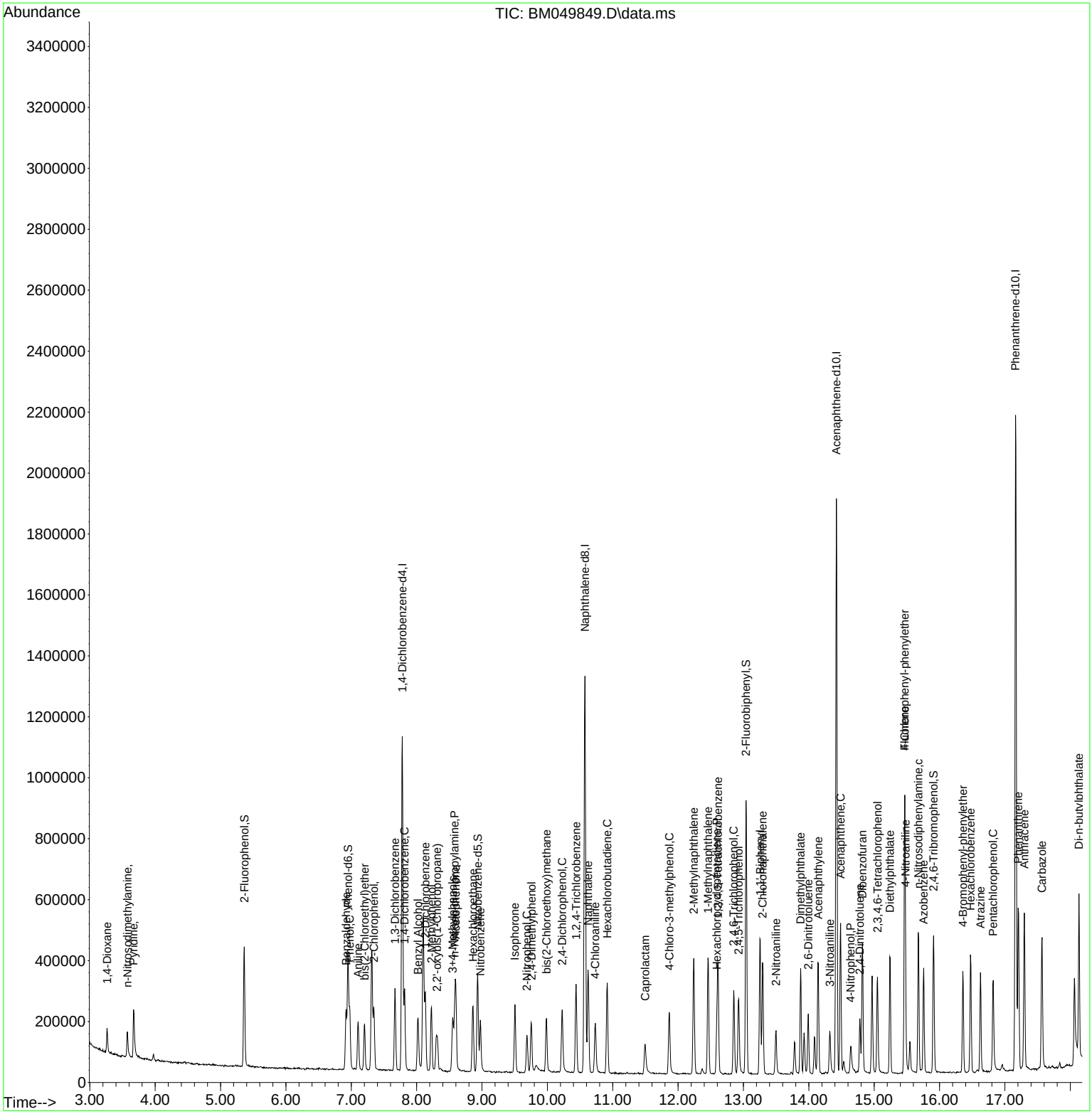
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049849.D
Acq On : 08 Apr 2025 14:14
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 09 02:59:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025



ICAL Form

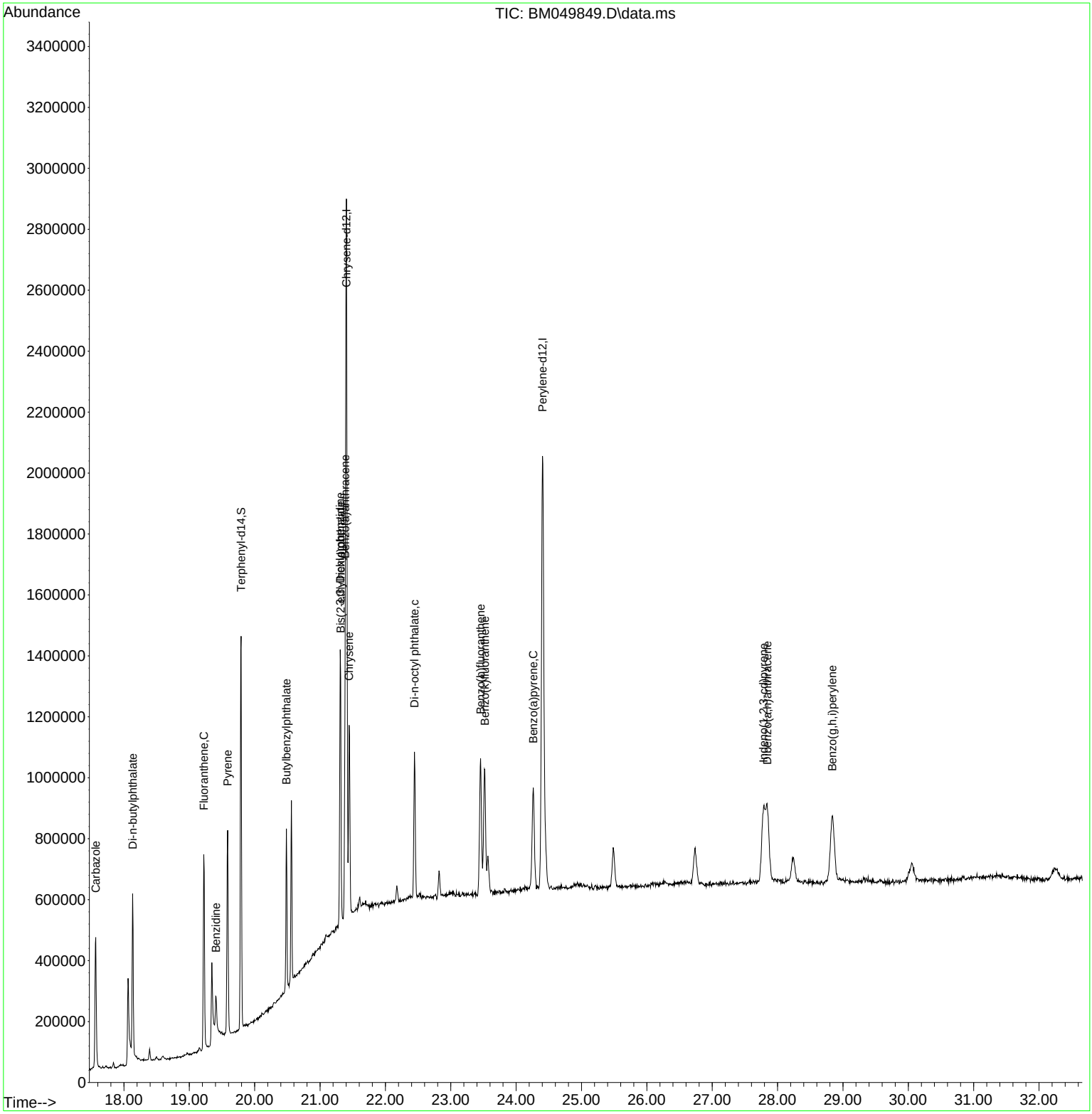
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049849.D
Acq On : 08 Apr 2025 14:14
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 09 02:59:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049850.D
Acq On : 08 Apr 2025 14:53
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Quant Time: Apr 09 03:00:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.781	152	318993	20.000	ng		0.00
21) Naphthalene-d8	10.575	136	1091615	20.000	ng		0.00
39) Acenaphthene-d10	14.422	164	671187	20.000	ng		0.00
64) Phenanthrene-d10	17.163	188	1281742	20.000	ng		0.00
76) Chrysene-d12	21.403	240	1251521	20.000	ng		0.00
86) Perylene-d12	24.403	264	1360976	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.363	112	364921	19.426	ng		0.00
7) Phenol-d6	6.951	99	444096	19.001	ng		0.00
23) Nitrobenzene-d5	8.934	82	375019	19.130	ng		0.00
42) 2,4,6-Tribromophenol	15.910	330	171135	17.530	ng		0.00
45) 2-Fluorobiphenyl	13.039	172	949122	19.175	ng		0.00
79) Terphenyl-d14	19.792	244	1257136	18.825	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.263	88	74941	9.687	ng		99
3) Pyridine	3.669	79	194530	9.574	ng		98
4) n-Nitrosodimethylamine	3.569	42	73514	9.503	ng	#	92
6) Aniline	7.104	93	209739	10.473	ng		98
8) 2-Chlorophenol	7.346	128	189954	9.867	ng		98
9) Benzaldehyde	6.916	77	132319	11.041	ng		97
10) Phenol	6.975	94	218482	9.579	ng		99
11) bis(2-Chloroethyl)ether	7.199	93	172950	9.669	ng		98
12) 1,3-Dichlorobenzene	7.669	146	221893	9.749	ng		99
13) 1,4-Dichlorobenzene	7.816	146	223068	9.740	ng		97
14) 1,2-Dichlorobenzene	8.134	146	211403	9.800	ng		99
15) Benzyl Alcohol	8.016	79	136655	9.285	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.304	45	197037	9.884	ng		98
17) 2-Methylphenol	8.228	107	136469	9.709	ng		98
18) Hexachloroethane	8.857	117	78782	9.888	ng		99
19) n-Nitroso-di-n-propyla...	8.581	70	124842	9.644	ng		99
20) 3+4-Methylphenols	8.551	107	182163	9.506	ng		94
22) Acetophenone	8.598	105	260553	9.821	ng	#	99
24) Nitrobenzene	8.975	77	179572	9.513	ng		99
25) Isophorone	9.504	82	309763	9.433	ng		99
26) 2-Nitrophenol	9.687	139	90001	8.996	ng		98
27) 2,4-Dimethylphenol	9.751	122	105908	9.341	ng		98
28) bis(2-Chloroethoxy)met...	9.987	93	210772	9.587	ng		100
29) 2,4-Dichlorophenol	10.228	162	174408	9.254	ng		98
30) 1,2,4-Trichlorobenzene	10.439	180	207530	9.518	ng		97
31) Naphthalene	10.622	128	540149	9.630	ng		98
32) Benzoic acid	9.828	122	59585m	12.140	ng		
33) 4-Chloroaniline	10.734	127	191655	9.676	ng		100
34) Hexachlorobutadiene	10.916	225	128662	9.540	ng		98
35) Caprolactam	11.492	113	48349	8.944	ng		91
36) 4-Chloro-3-methylphenol	11.863	107	150861	9.138	ng		99
37) 2-Methylnaphthalene	12.239	142	374075	9.465	ng		99
38) 1-Methylnaphthalene	12.457	142	359844	9.346	ng		99
40) 1,2,4,5-Tetrachloroben...	12.610	216	222088	9.458	ng		99
41) Hexachlorocyclopentadiene	12.592	237	74731	9.083	ng		95
43) 2,4,6-Trichlorophenol	12.851	196	141088	9.442	ng		96

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049850.D
Acq On : 08 Apr 2025 14:53
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Quant Time: Apr 09 03:00:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.922	196	151683	9.342	ng		96
46) 1,1'-Biphenyl	13.251	154	479426	9.609	ng		99
47) 2-Chloronaphthalene	13.292	162	383880	9.789	ng		99
48) 2-Nitroaniline	13.492	65	81359	8.968	ng		94
49) Acenaphthylene	14.139	152	541476	9.479	ng		100
50) Dimethylphthalate	13.875	163	446549	9.431	ng		99
51) 2,6-Dinitrotoluene	13.992	165	88819	8.953	ng		98
52) Acenaphthene	14.486	154	343452	9.452	ng		98
53) 3-Nitroaniline	14.322	138	84915	8.856	ng	#	96
54) 2,4-Dinitrophenol	14.533	184	32385	11.325	ng		97
55) Dibenzofuran	14.822	168	573562	9.443	ng		99
56) 4-Nitrophenol	14.639	139	71545	8.373	ng		99
57) 2,4-Dinitrotoluene	14.780	165	111615	8.433	ng	#	97
58) Fluorene	15.469	166	448037	9.279	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	133086	9.351	ng		98
60) Diethylphthalate	15.239	149	426265	9.387	ng		100
61) 4-Chlorophenyl-phenyle...	15.463	204	232768	8.992	ng		94
62) 4-Nitroaniline	15.480	138	82838	8.354	ng		95
63) Azobenzene	15.757	77	364112	9.366	ng		98
65) 4,6-Dinitro-2-methylph...	15.545	198	60497	7.490	ng		92
66) n-Nitrosodiphenylamine	15.674	169	370438	9.657	ng		98
67) 4-Bromophenyl-phenylether	16.357	248	135983	9.139	ng		99
68) Hexachlorobenzene	16.474	284	160142	9.383	ng		95
69) Atrazine	16.627	200	113289	11.391	ng		99
70) Pentachlorophenol	16.821	266	119030	9.473	ng		99
71) Phenanthrene	17.204	178	660141	9.394	ng		100
72) Anthracene	17.298	178	643575	9.294	ng		100
73) Carbazole	17.568	167	610225	9.356	ng		100
74) Di-n-butylphthalate	18.133	149	717993	9.557	ng		99
75) Fluoranthene	19.221	202	772987	8.947	ng		98
77) Benzidine	19.404	184	162949	9.814	ng		98
78) Pyrene	19.586	202	800964	9.286	ng		100
80) Butylbenzylphthalate	20.486	149	312899	9.654	ng		99
81) Benzo(a)anthracene	21.386	228	767126	9.223	ng		100
82) 3,3'-Dichlorobenzidine	21.309	252	281424	8.960	ng		98
83) Chrysene	21.445	228	734074	9.283	ng		100
84) Bis(2-ethylhexyl)phtha...	21.309	149	467613	9.903	ng		99
85) Di-n-octyl phthalate	22.445	149	805410	9.750	ng		100
87) Indeno(1,2,3-cd)pyrene	27.785	276	931006	9.177	ng		99
88) Benzo(b)fluoranthene	23.456	252	787043	9.055	ng		99
89) Benzo(k)fluoranthene	23.515	252	763407	9.063	ng		99
90) Benzo(a)pyrene	24.262	252	698269	9.142	ng		98
91) Dibenzo(a,h)anthracene	27.844	278	767800	9.188	ng		98
92) Benzo(g,h,i)perylene	28.832	276	802183	9.394	ng		99

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

ICAL Form

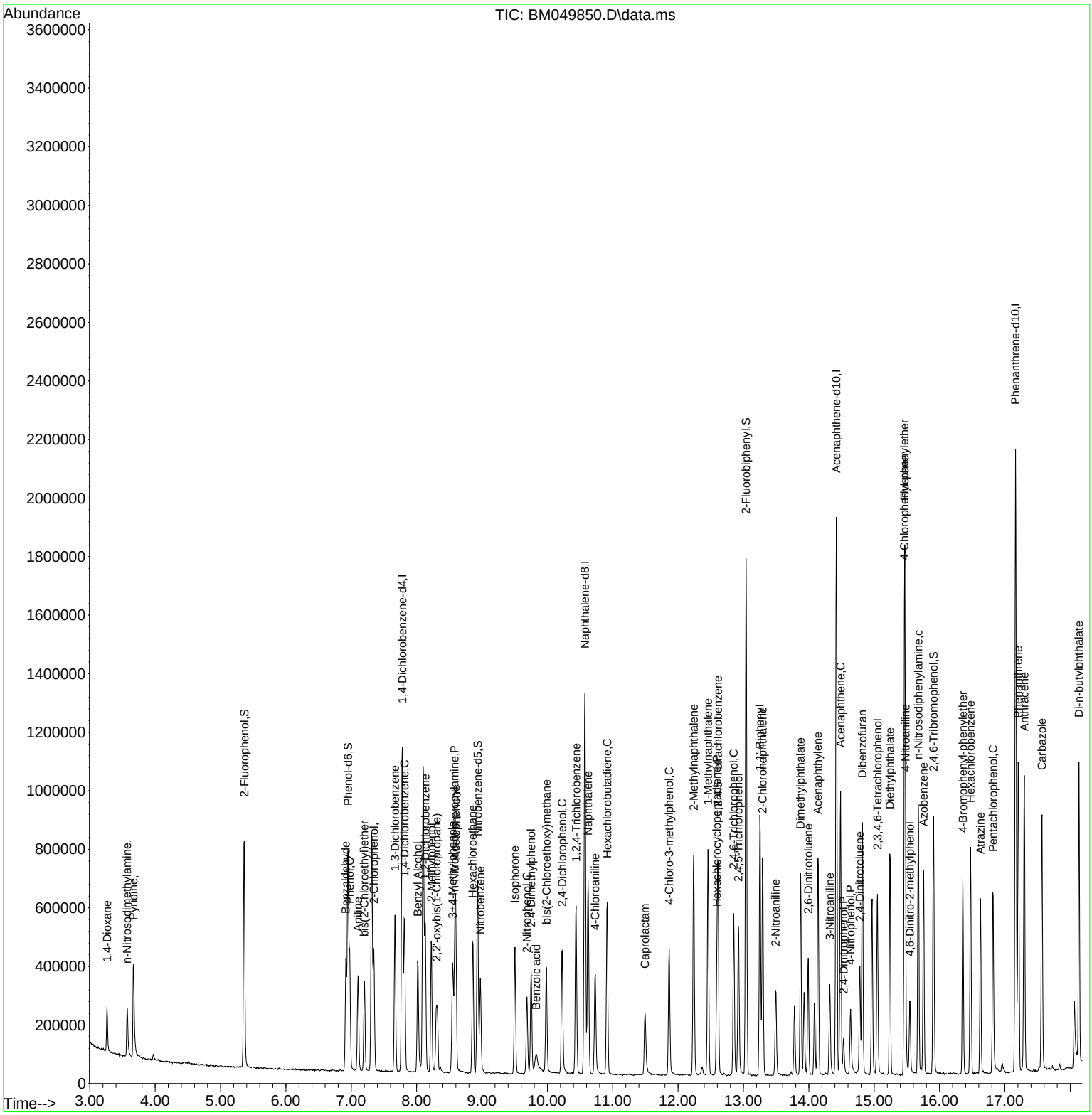
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049850.D
Acq On : 08 Apr 2025 14:53
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 09 03:00:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025



ICAL Form

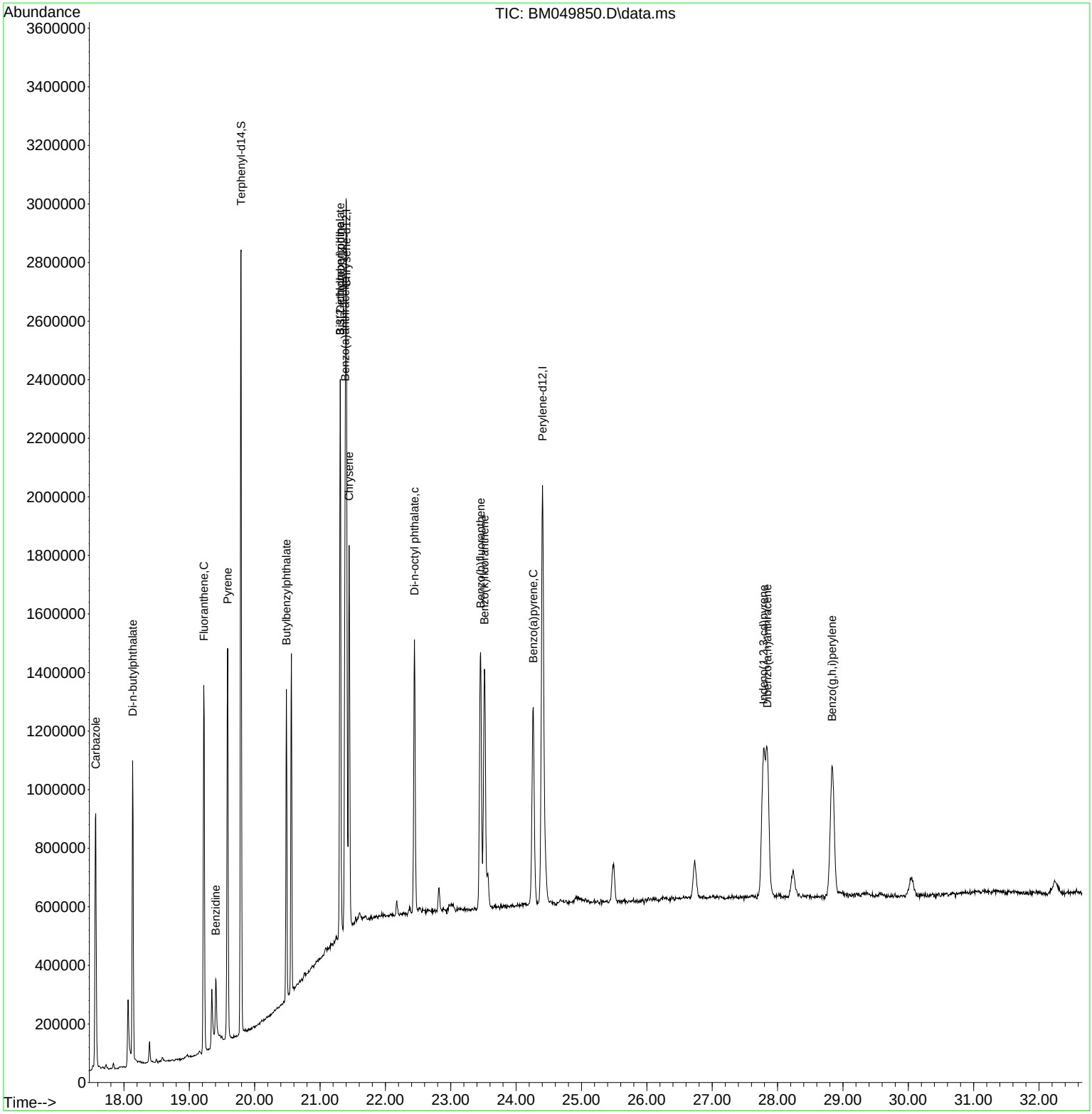
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049850.D
Acq On : 08 Apr 2025 14:53
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 09 03:00:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049851.D
Acq On : 08 Apr 2025 15:32
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Apr 09 03:01:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.781	152	318059	20.000	ng		0.00
21) Naphthalene-d8	10.575	136	1116195	20.000	ng		0.00
39) Acenaphthene-d10	14.422	164	702854	20.000	ng		0.00
64) Phenanthrene-d10	17.163	188	1378813	20.000	ng		0.00
76) Chrysene-d12	21.403	240	1339758	20.000	ng		0.00
86) Perylene-d12	24.403	264	1486954	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.363	112	771430	41.186	ng		0.00
7) Phenol-d6	6.951	99	968531	41.560	ng		0.00
23) Nitrobenzene-d5	8.934	82	817733	40.795	ng		0.00
42) 2,4,6-Tribromophenol	15.910	330	393158	38.457	ng		0.00
45) 2-Fluorobiphenyl	13.039	172	2107153	40.653	ng		0.00
79) Terphenyl-d14	19.792	244	3051000	42.677	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.263	88	159450	20.670	ng		99
3) Pyridine	3.663	79	420529	20.757	ng		99
4) n-Nitrosodimethylamine	3.569	42	157731	20.450	ng		96
6) Aniline	7.104	93	443873	22.228	ng		100
8) 2-Chlorophenol	7.346	128	397524	20.710	ng		99
9) Benzaldehyde	6.916	77	266386	22.294	ng		99
10) Phenol	6.975	94	471508	20.733	ng		99
11) bis(2-Chloroethyl)ether	7.198	93	364893	20.461	ng		98
12) 1,3-Dichlorobenzene	7.669	146	469124	20.672	ng		100
13) 1,4-Dichlorobenzene	7.816	146	473136	20.720	ng		100
14) 1,2-Dichlorobenzene	8.134	146	446077	20.740	ng		99
15) Benzyl Alcohol	8.016	79	302185	20.592	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.310	45	417355	20.996	ng		99
17) 2-Methylphenol	8.222	107	291405	20.793	ng		99
18) Hexachloroethane	8.857	117	165304	20.807	ng		98
19) n-Nitroso-di-n-propyla...	8.581	70	273519	21.191	ng		99
20) 3+4-Methylphenols	8.551	107	396422	20.748	ng		98
22) Acetophenone	8.598	105	554070	20.425	ng	#	99
24) Nitrobenzene	8.975	77	395594	20.496	ng		99
25) Isophorone	9.504	82	683707	20.361	ng		100
26) 2-Nitrophenol	9.687	139	203797	19.922	ng		97
27) 2,4-Dimethylphenol	9.751	122	231983	20.010	ng		100
28) bis(2-Chloroethoxy)met...	9.981	93	459217	20.427	ng		99
29) 2,4-Dichlorophenol	10.222	162	388584	20.164	ng		99
30) 1,2,4-Trichlorobenzene	10.439	180	448099	20.099	ng		100
31) Naphthalene	10.622	128	1166673	20.341	ng		99
32) Benzoic acid	9.839	122	195350	19.812	ng		97
33) 4-Chloroaniline	10.728	127	420078	20.742	ng		99
34) Hexachlorobutadiene	10.916	225	273841	19.857	ng		99
35) Caprolactam	11.504	113	111645	20.199	ng		98
36) 4-Chloro-3-methylphenol	11.863	107	340457	20.168	ng		98
37) 2-Methylnaphthalene	12.239	142	813541	20.132	ng		100
38) 1-Methylnaphthalene	12.457	142	793590	20.158	ng		99
40) 1,2,4,5-Tetrachloroben...	12.610	216	489705	19.915	ng		99
41) Hexachlorocyclopentadiene	12.592	237	173683	20.158	ng		99
43) 2,4,6-Trichlorophenol	12.851	196	311742	19.924	ng		97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049851.D
Acq On : 08 Apr 2025 15:32
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Apr 09 03:01:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.922	196	332054	19.528	ng	96
46) 1,1'-Biphenyl	13.251	154	1063836	20.361	ng	99
47) 2-Chloronaphthalene	13.292	162	835052	20.334	ng	100
48) 2-Nitroaniline	13.492	65	191426	20.149	ng	94
49) Acenaphthylene	14.145	152	1207654	20.189	ng	99
50) Dimethylphthalate	13.880	163	1005157	20.271	ng	100
51) 2,6-Dinitrotoluene	13.992	165	212702	20.474	ng	98
52) Acenaphthene	14.486	154	765635	20.122	ng	99
53) 3-Nitroaniline	14.322	138	203884	20.306	ng	98
54) 2,4-Dinitrophenol	14.533	184	104048	19.806	ng	97
55) Dibenzofuran	14.822	168	1280124	20.125	ng	99
56) 4-Nitrophenol	14.639	139	180482	20.171	ng	98
57) 2,4-Dinitrotoluene	14.780	165	277724	20.039	ng	99
58) Fluorene	15.469	166	1019442	20.163	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	292142	19.603	ng	99
60) Diethylphthalate	15.245	149	968568	20.369	ng	100
61) 4-Chlorophenyl-phenyle...	15.463	204	535017	19.737	ng	96
62) 4-Nitroaniline	15.480	138	211717	20.390	ng	93
63) Azobenzene	15.757	77	832670	20.453	ng	99
65) 4,6-Dinitro-2-methylph...	15.545	198	164040	18.880	ng	94
66) n-Nitrosodiphenylamine	15.680	169	835415	20.246	ng	100
67) 4-Bromophenyl-phenylether	16.357	248	312714	19.537	ng	97
68) Hexachlorobenzene	16.474	284	361698	19.701	ng	96
69) Atrazine	16.627	200	195306	18.255	ng	98
70) Pentachlorophenol	16.821	266	263410	19.488	ng	99
71) Phenanthrene	17.210	178	1510233	19.979	ng	99
72) Anthracene	17.298	178	1481463	19.887	ng	100
73) Carbazole	17.568	167	1411278	20.114	ng	98
74) Di-n-butylphthalate	18.133	149	1638787	20.278	ng	99
75) Fluoranthene	19.221	202	1806131	19.433	ng	99
77) Benzidine	19.409	184	274181	15.426	ng	99
78) Pyrene	19.586	202	1868988	20.242	ng	99
80) Butylbenzylphthalate	20.486	149	719491	20.738	ng	98
81) Benzo(a)anthracene	21.386	228	1788846	20.090	ng	100
82) 3,3'-Dichlorobenzidine	21.309	252	658767	19.592	ng	99
83) Chrysene	21.445	228	1689336	19.957	ng	100
84) Bis(2-ethylhexyl)phtha...	21.309	149	1058190	20.934	ng	99
85) Di-n-octyl phthalate	22.445	149	1830449	20.699	ng	100
87) Indeno(1,2,3-cd)pyrene	27.785	276	2199957	19.848	ng	99
88) Benzo(b)fluoranthene	23.456	252	1818051	19.144	ng	99
89) Benzo(k)fluoranthene	23.521	252	1797007	19.527	ng	99
90) Benzo(a)pyrene	24.262	252	1629441	19.526	ng	99
91) Dibenzo(a,h)anthracene	27.844	278	1792231	19.631	ng	100
92) Benzo(g,h,i)perylene	28.844	276	1866337	20.005	ng	98

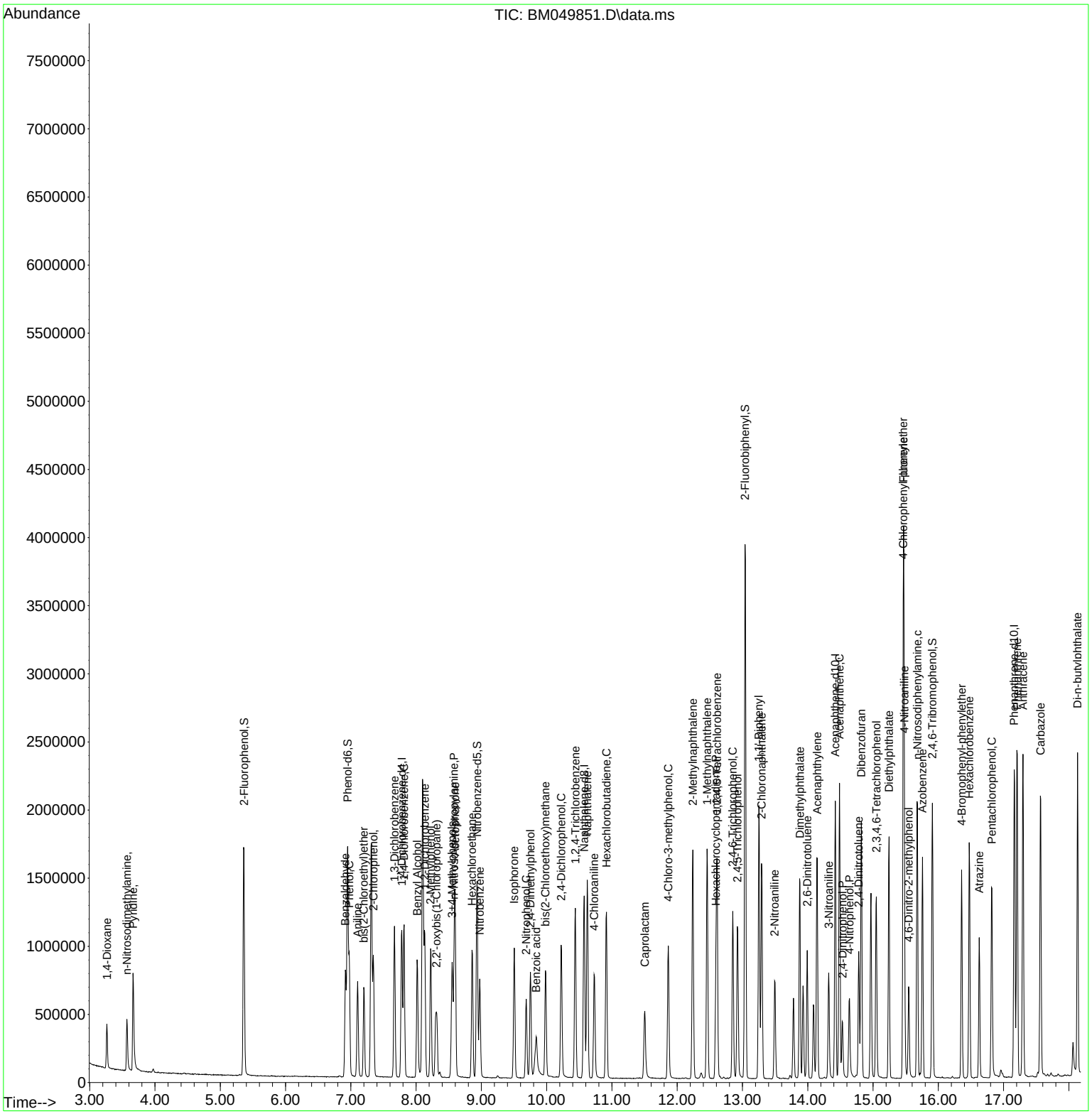
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049851.D
Acq On : 08 Apr 2025 15:32
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

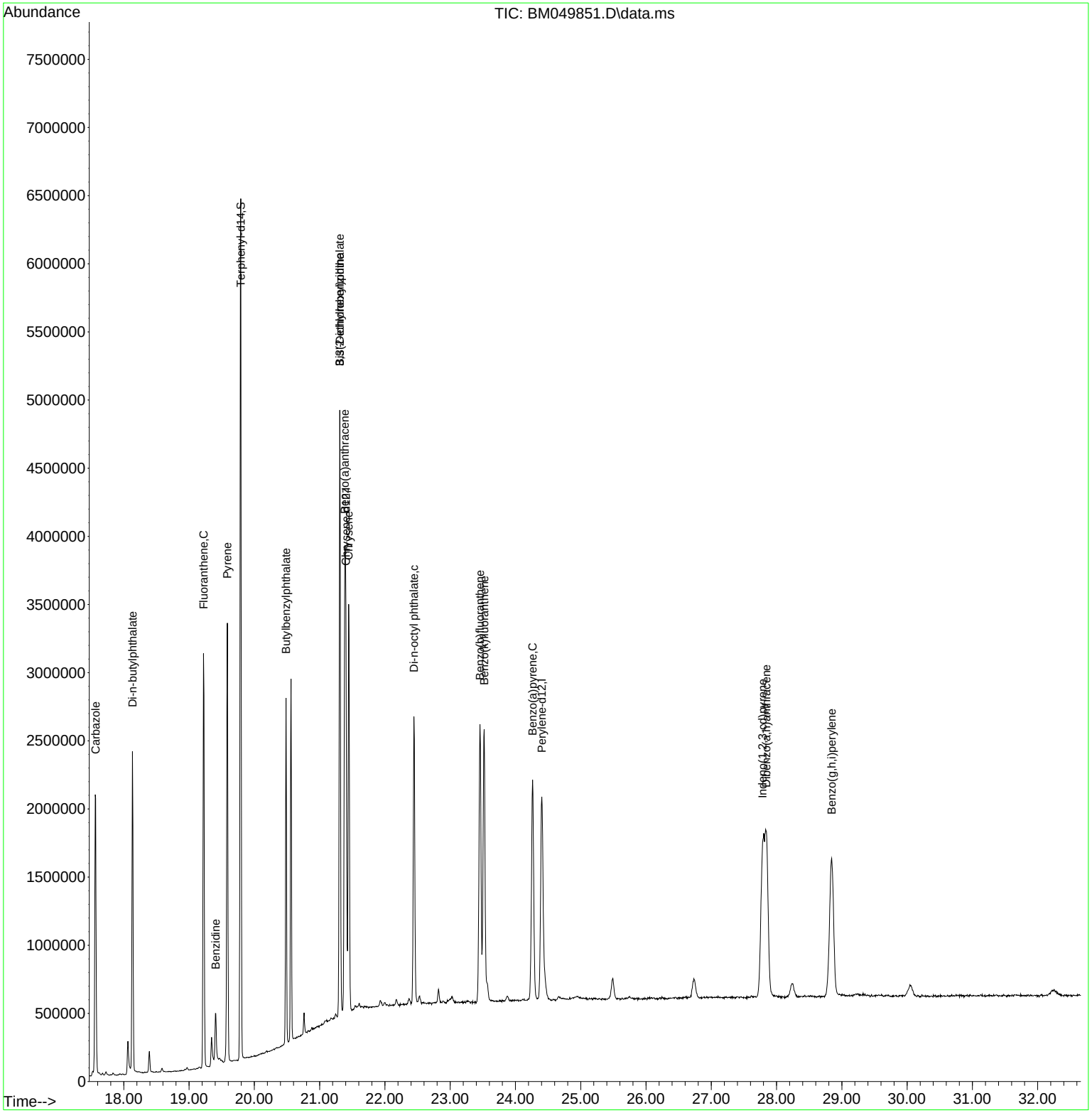
Quant Time: Apr 09 03:01:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049851.D
Acq On : 08 Apr 2025 15:32
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Apr 09 03:01:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049852.D
Acq On : 08 Apr 2025 16:12
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Apr 09 03:01:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	302331	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	1026791	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	644538	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1259832	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1277117	20.000	ng	0.00
86) Perylene-d12	24.409	264	1383369	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	1440504	80.908	ng	0.00
7) Phenol-d6	6.951	99	1802855	81.386	ng	0.00
23) Nitrobenzene-d5	8.934	82	1510046	81.893	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	757084	80.755	ng	0.00
45) 2-Fluorobiphenyl	13.045	172	3905323	82.162	ng	0.00
79) Terphenyl-d14	19.792	244	6061535	88.947	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.263	88	295123	40.249	ng	100
3) Pyridine	3.663	79	778424	40.422	ng	100
4) n-Nitrosodimethylamine	3.569	42	295528	40.309	ng	100
6) Aniline	7.104	93	801408	42.221	ng	100
8) 2-Chlorophenol	7.345	128	736217	40.349	ng	100
9) Benzaldehyde	6.916	77	453694	39.945	ng	100
10) Phenol	6.975	94	871619	40.321	ng	100
11) bis(2-Chloroethyl)ether	7.204	93	686377	40.490	ng	100
12) 1,3-Dichlorobenzene	7.669	146	869556	40.310	ng	100
13) 1,4-Dichlorobenzene	7.816	146	878856	40.490	ng	100
14) 1,2-Dichlorobenzene	8.134	146	830948	40.644	ng	100
15) Benzyl Alcohol	8.016	79	576334	41.317	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.310	45	766170	40.550	ng	100
17) 2-Methylphenol	8.228	107	539006	40.462	ng	100
18) Hexachloroethane	8.857	117	304783	40.360	ng	100
19) n-Nitroso-di-n-propyla...	8.586	70	505613	41.211	ng	100
20) 3+4-Methylphenols	8.551	107	739987	40.745	ng	100
22) Acetophenone	8.598	105	1021725	40.944	ng	100
24) Nitrobenzene	8.975	77	731712	41.211	ng	100
25) Isophorone	9.504	82	1264620	40.940	ng	100
26) 2-Nitrophenol	9.686	139	389011	41.338	ng	100
27) 2,4-Dimethylphenol	9.751	122	438345	41.102	ng	100
28) bis(2-Chloroethoxy)met...	9.986	93	842494	40.740	ng	100
29) 2,4-Dichlorophenol	10.222	162	725384	40.918	ng	100
30) 1,2,4-Trichlorobenzene	10.439	180	829411	40.442	ng	100
31) Naphthalene	10.622	128	2139433	40.550	ng	100
32) Benzoic acid	9.875	122	471552	37.918	ng	100
33) 4-Chloroaniline	10.728	127	780602	41.899	ng	100
34) Hexachlorobutadiene	10.916	225	511599	40.329	ng	100
35) Caprolactam	11.516	113	208829	41.071	ng	100
36) 4-Chloro-3-methylphenol	11.863	107	635013	40.893	ng	100
37) 2-Methylnaphthalene	12.239	142	1506744	40.533	ng	100
38) 1-Methylnaphthalene	12.457	142	1464829	40.448	ng	100
40) 1,2,4,5-Tetrachloroben...	12.610	216	910125	40.362	ng	100
41) Hexachlorocyclopentadiene	12.592	237	340037	43.036	ng	100
43) 2,4,6-Trichlorophenol	12.851	196	592155	41.269	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049852.D
Acq On : 08 Apr 2025 16:12
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Apr 09 03:01:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.927	196	645125	41.373	ng	100
46) 1,1'-Biphenyl	13.251	154	1969872	41.114	ng	100
47) 2-Chloronaphthalene	13.292	162	1538747	40.860	ng	100
48) 2-Nitroaniline	13.498	65	365393	41.941	ng	100
49) Acenaphthylene	14.145	152	2245605	40.937	ng	100
50) Dimethylphthalate	13.880	163	1853920	40.771	ng	100
51) 2,6-Dinitrotoluene	13.992	165	400110	41.998	ng	100
52) Acenaphthene	14.486	154	1434901	41.123	ng	100
53) 3-Nitroaniline	14.321	138	399172	43.352	ng	100
54) 2,4-Dinitrophenol	14.533	184	236910	38.463	ng	100
55) Dibenzofuran	14.821	168	2378962	40.784	ng	100
56) 4-Nitrophenol	14.639	139	348645	42.490	ng	100
57) 2,4-Dinitrotoluene	14.780	165	542212	42.662	ng	100
58) Fluorene	15.468	166	1908871	41.170	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.051	232	550595	40.287	ng	100
60) Diethylphthalate	15.245	149	1791575	41.085	ng	100
61) 4-Chlorophenyl-phenyle...	15.468	204	1016885	40.907	ng	100
62) 4-Nitroaniline	15.486	138	411956	43.263	ng	100
63) Azobenzene	15.757	77	1549968	41.517	ng	100
65) 4,6-Dinitro-2-methylph...	15.551	198	332394	41.869	ng	100
66) n-Nitrosodiphenylamine	15.680	169	1560374	41.387	ng	100
67) 4-Bromophenyl-phenylether	16.357	248	601282	41.113	ng	100
68) Hexachlorobenzene	16.480	284	686665	40.933	ng	100
69) Atrazine	16.627	200	326609	33.411	ng	100
70) Pentachlorophenol	16.815	266	514744	41.678	ng	100
71) Phenanthrene	17.209	178	2854182	41.324	ng	100
72) Anthracene	17.298	178	2833652	41.631	ng	100
73) Carbazole	17.562	167	2667570	41.609	ng	100
74) Di-n-butylphthalate	18.133	149	3062695	41.476	ng	100
75) Fluoranthene	19.221	202	3495877	41.165	ng	100
77) Benzidine	19.403	184	1028267	60.691	ng	100
78) Pyrene	19.586	202	3596605	40.863	ng	100
80) Butylbenzylphthalate	20.486	149	1368958	41.392	ng	100
81) Benzo(a)anthracene	21.386	228	3478165	40.979	ng	100
82) 3,3'-Dichlorobenzidine	21.309	252	1342391	41.880	ng	100
83) Chrysene	21.450	228	3299571	40.890	ng	100
84) Bis(2-ethylhexyl)phtha...	21.309	149	2000260	41.512	ng	100
85) Di-n-octyl phthalate	22.444	149	3479444	41.276	ng	100
87) Indeno(1,2,3-cd)pyrene	27.797	276	4168171	40.421	ng	100
88) Benzo(b)fluoranthene	23.456	252	3619584	40.968	ng	100
89) Benzo(k)fluoranthene	23.521	252	3436549	40.138	ng	100
90) Benzo(a)pyrene	24.268	252	3127065	40.278	ng	100
91) Dibenzo(a,h)anthracene	27.850	278	3441534	40.519	ng	100
92) Benzo(g,h,i)perylene	28.856	276	3500110	40.326	ng	100

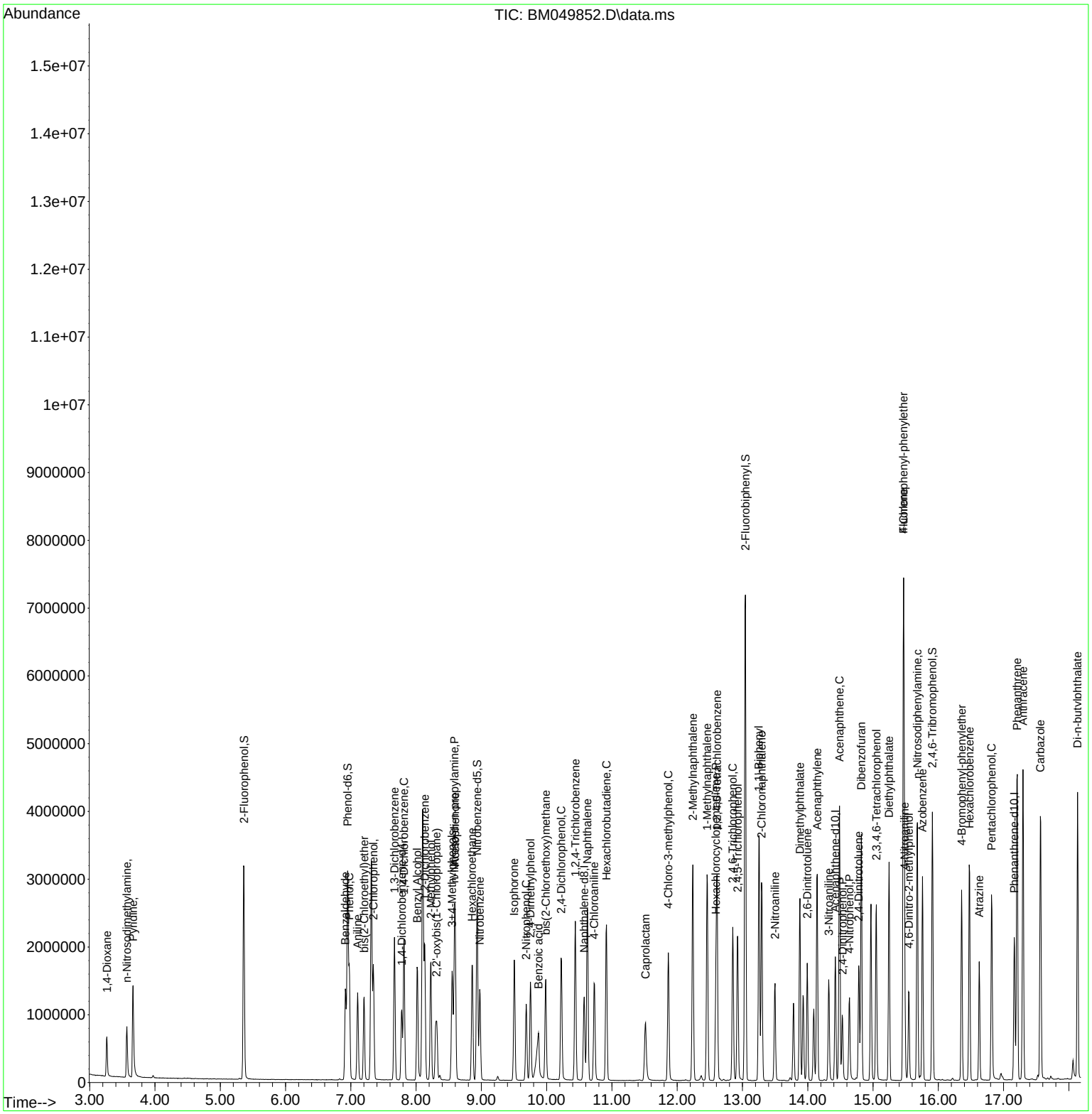
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049852.D
Acq On : 08 Apr 2025 16:12
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Apr 09 03:01:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

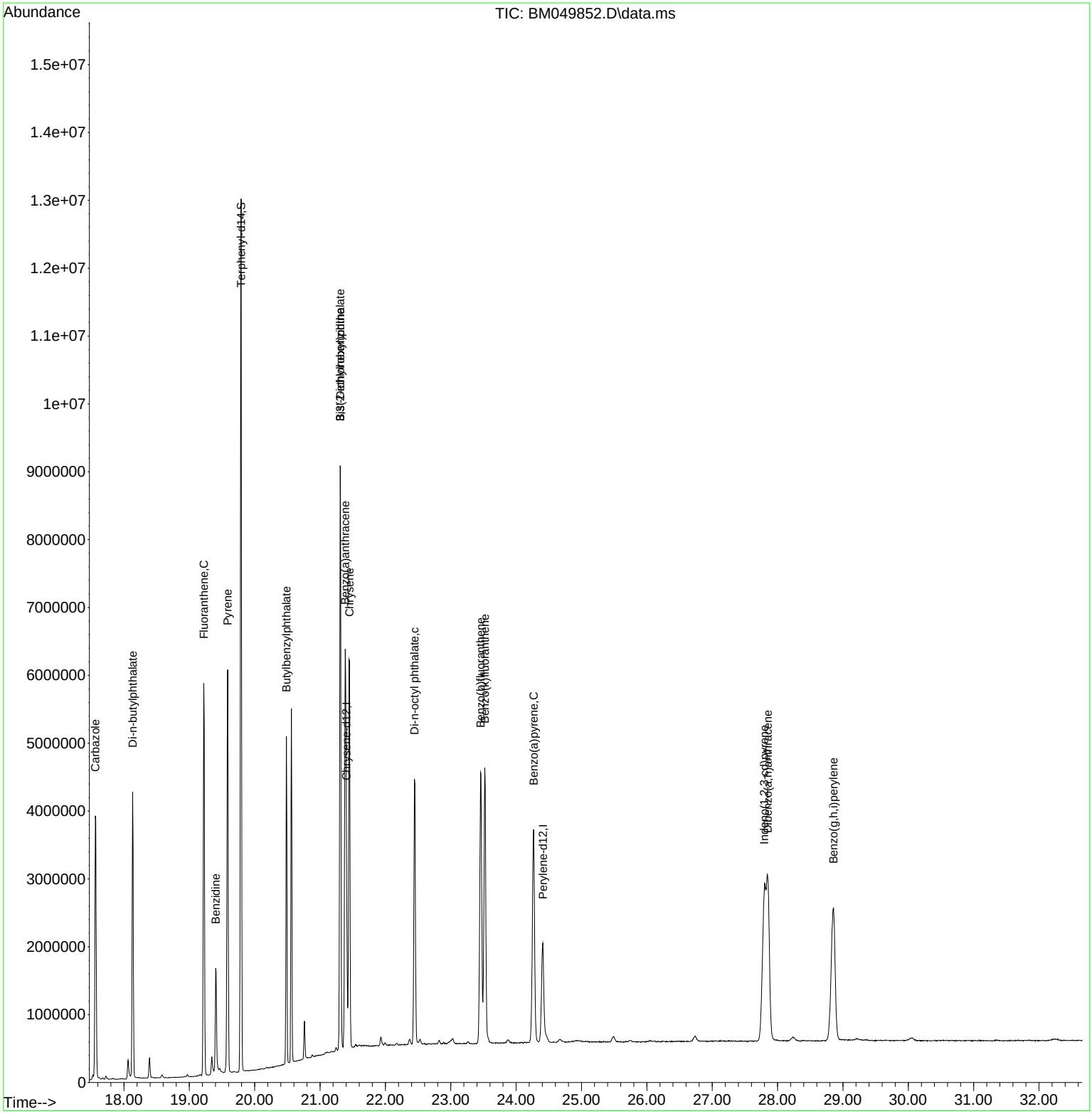


ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049852.D
Acq On : 08 Apr 2025 16:12
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Apr 09 03:01:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049853.D
Acq On : 08 Apr 2025 17:30
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Quant Time: Apr 09 03:02:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.781	152	389192	20.000	ng		0.00
21) Naphthalene-d8	10.575	136	1287434	20.000	ng		0.00
39) Acenaphthene-d10	14.421	164	808126	20.000	ng		0.00
64) Phenanthrene-d10	17.162	188	1599813	20.000	ng		0.00
76) Chrysene-d12	21.403	240	1661195	20.000	ng		0.00
86) Perylene-d12	24.409	264	1751474	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.363	112	2266168	98.875	ng		0.00
7) Phenol-d6	6.951	99	2789069	97.806	ng		0.00
23) Nitrobenzene-d5	8.939	82	2323989	100.519	ng		0.00
42) 2,4,6-Tribromophenol	15.909	330	1205724	102.576	ng		0.00
45) 2-Fluorobiphenyl	13.045	172	6004539	100.754	ng		0.00
79) Terphenyl-d14	19.792	244	9482895	106.980	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.263	88	472538	50.062	ng		99
3) Pyridine	3.663	79	1241357	50.075	ng		99
4) n-Nitrosodimethylamine	3.569	42	470712	49.875	ng		100
6) Aniline	7.104	93	1121872	45.913	ng		99
8) 2-Chlorophenol	7.345	128	1141976	48.619	ng		99
9) Benzaldehyde	6.916	77	692302	47.349	ng		99
10) Phenol	6.981	94	1356163	48.734	ng		98
11) bis(2-Chloroethyl)ether	7.204	93	1066103	48.854	ng		100
12) 1,3-Dichlorobenzene	7.669	146	1379847	49.689	ng		98
13) 1,4-Dichlorobenzene	7.816	146	1373896	49.170	ng		100
14) 1,2-Dichlorobenzene	8.134	146	1288439	48.956	ng		99
15) Benzyl Alcohol	8.022	79	879326	48.969	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.316	45	1159497	47.671	ng		99
17) 2-Methylphenol	8.228	107	827157	48.234	ng		99
18) Hexachloroethane	8.857	117	472771	48.633	ng		99
19) n-Nitroso-di-n-propyla...	8.586	70	771317	48.837	ng		100
20) 3+4-Methylphenols	8.551	107	1138439	48.694	ng		100
22) Acetophenone	8.598	105	1550166	49.544	ng	#	99
24) Nitrobenzene	8.981	77	1111675	49.935	ng		98
25) Isophorone	9.504	82	1926268	49.735	ng		100
26) 2-Nitrophenol	9.686	139	611215	51.801	ng		99
27) 2,4-Dimethylphenol	9.757	122	682677	51.053	ng		98
28) bis(2-Chloroethoxy)met...	9.986	93	1283751	49.510	ng		99
29) 2,4-Dichlorophenol	10.227	162	1124321	50.582	ng		99
30) 1,2,4-Trichlorobenzene	10.439	180	1285402	49.988	ng		99
31) Naphthalene	10.622	128	3278244	49.555	ng		99
32) Benzoic acid	9.904	122	773909	46.956	ng		96
33) 4-Chloroaniline	10.733	127	1155438	49.463	ng		98
34) Hexachlorobutadiene	10.916	225	800154	50.305	ng		99
35) Caprolactam	11.522	113	317444	49.794	ng		98
36) 4-Chloro-3-methylphenol	11.869	107	973959	50.022	ng		99
37) 2-Methylnaphthalene	12.239	142	2320947	49.796	ng		99
38) 1-Methylnaphthalene	12.457	142	2263493	49.847	ng		99
40) 1,2,4,5-Tetrachloroben...	12.610	216	1436460	50.808	ng		99
41) Hexachlorocyclopentadiene	12.592	237	526124	53.108	ng		98
43) 2,4,6-Trichlorophenol	12.851	196	907433	50.440	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049853.D
Acq On : 08 Apr 2025 17:30
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Quant Time: Apr 09 03:02:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

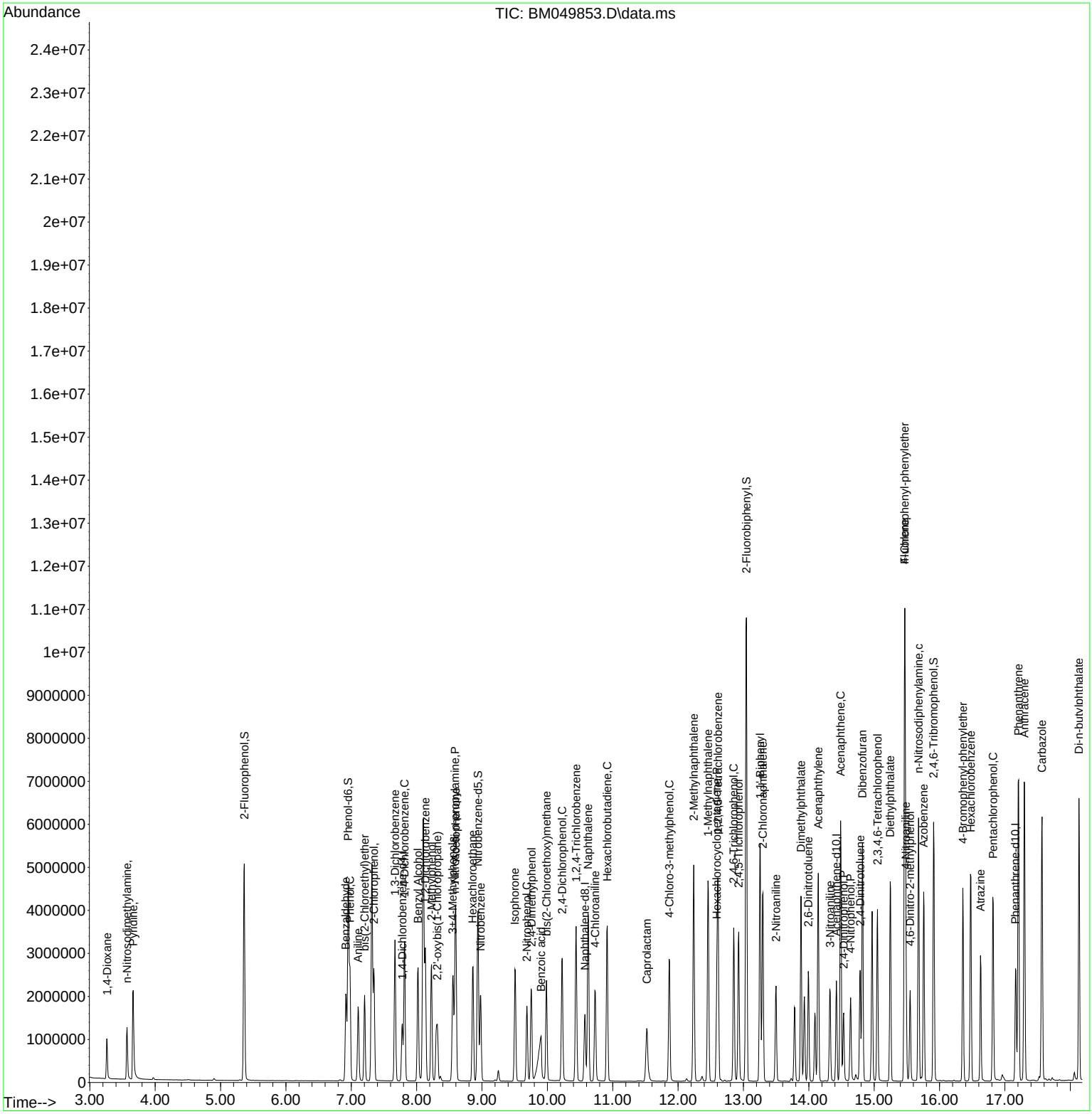
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.927	196	976092	49.927	ng	99
46) 1,1'-Biphenyl	13.257	154	2990362	49.778	ng	100
47) 2-Chloronaphthalene	13.298	162	2349832	49.767	ng	99
48) 2-Nitroaniline	13.498	65	568681	52.061	ng	98
49) Acenaphthylene	14.145	152	3456837	50.260	ng	100
50) Dimethylphthalate	13.880	163	2850200	49.993	ng	99
51) 2,6-Dinitrotoluene	13.992	165	616905	51.646	ng	99
52) Acenaphthene	14.486	154	2199854	50.284	ng	100
53) 3-Nitroaniline	14.327	138	595646	51.595	ng	94
54) 2,4-Dinitrophenol	14.533	184	391855	48.434	ng	98
55) Dibenzofuran	14.821	168	3667823	50.151	ng	99
56) 4-Nitrophenol	14.639	139	550813	53.540	ng	98
57) 2,4-Dinitrotoluene	14.786	165	847929	53.211	ng	95
58) Fluorene	15.468	166	2942325	50.613	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	848529	49.519	ng	98
60) Diethylphthalate	15.245	149	2722291	49.792	ng	99
61) 4-Chlorophenyl-phenyle...	15.468	204	1598783	51.296	ng	98
62) 4-Nitroaniline	15.486	138	638370	53.470	ng	100
63) Azobenzene	15.757	77	2357839	50.372	ng	99
65) 4,6-Dinitro-2-methylph...	15.551	198	531880	52.759	ng	99
66) n-Nitrosodiphenylamine	15.680	169	2406908	50.273	ng	100
67) 4-Bromophenyl-phenylether	16.357	248	946616	50.970	ng	98
68) Hexachlorobenzene	16.480	284	1072736	50.357	ng	99
69) Atrazine	16.627	200	567392	45.708	ng	99
70) Pentachlorophenol	16.821	266	786228	50.132	ng	99
71) Phenanthrene	17.209	178	4416317	50.352	ng	100
72) Anthracene	17.298	178	4394410	50.841	ng	100
73) Carbazole	17.568	167	4149752	50.973	ng	99
74) Di-n-butylphthalate	18.133	149	4702392	50.149	ng	100
75) Fluoranthene	19.221	202	5578449	51.729	ng	99
77) Benzidine	19.403	184	677381	30.737	ng	100
78) Pyrene	19.586	202	5785386	50.533	ng	100
80) Butylbenzylphthalate	20.486	149	2121299	49.311	ng	98
81) Benzo(a)anthracene	21.386	228	5586396	50.600	ng	100
82) 3,3'-Dichlorobenzidine	21.309	252	2142953	51.399	ng	99
83) Chrysene	21.450	228	5305401	50.547	ng	99
84) Bis(2-ethylhexyl)phtha...	21.309	149	3073374	49.035	ng	98
85) Di-n-octyl phthalate	22.444	149	5429342	49.516	ng	100
87) Indeno(1,2,3-cd)pyrene	27.797	276	6670738	51.094	ng	99
88) Benzo(b)fluoranthene	23.462	252	5751381	51.416	ng	99
89) Benzo(k)fluoranthene	23.527	252	5530993	51.024	ng	100
90) Benzo(a)pyrene	24.268	252	5052750	51.404	ng	98
91) Dibenzo(a,h)anthracene	27.856	278	5509091	51.229	ng	99
92) Benzo(g,h,i)perylene	28.862	276	5555532	50.555	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049853.D
Acq On : 08 Apr 2025 17:30
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

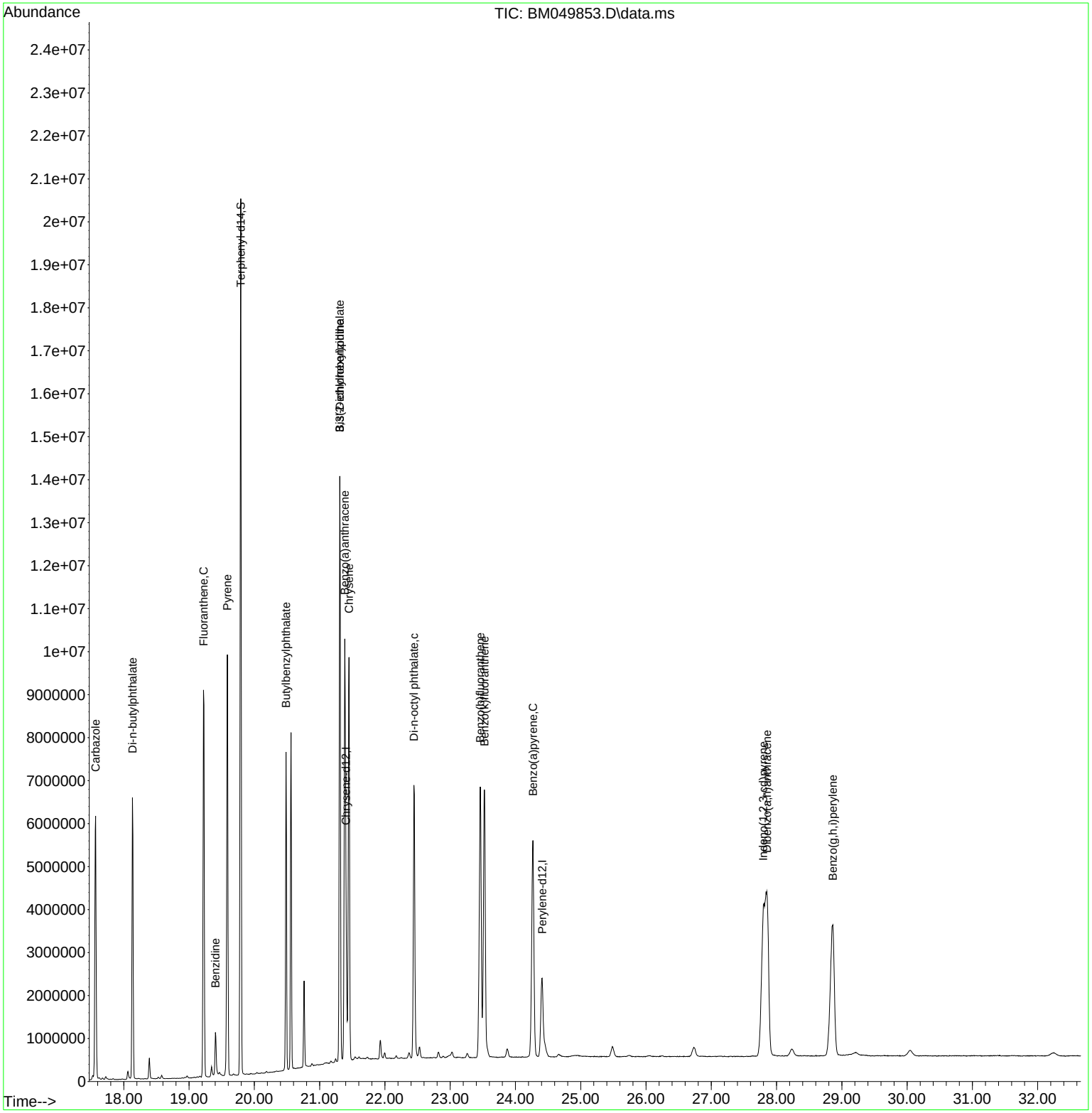
Quant Time: Apr 09 03:02:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049853.D
Acq On : 08 Apr 2025 17:30
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Quant Time: Apr 09 03:02:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049854.D
Acq On : 08 Apr 2025 19:28
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Quant Time: Apr 09 03:03:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	401721	20.000	ng	0.00
21) Naphthalene-d8	10.574	136	1393866	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	925425	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1882039	20.000	ng	0.00
76) Chrysene-d12	21.403	240	2018201	20.000	ng	0.00
86) Perylene-d12	24.403	264	2103239	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	2915551	123.240	ng	0.00
7) Phenol-d6	6.957	99	3719224	126.357	ng	0.00
23) Nitrobenzene-d5	8.939	82	3092938	123.564	ng	0.00
42) 2,4,6-Tribromophenol	15.915	330	1794801	133.337	ng	0.00
45) 2-Fluorobiphenyl	13.045	172	8226257	120.538	ng	0.00
79) Terphenyl-d14	19.792	244	12189474	113.188	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.263	88	567230	58.219	ng	99
3) Pyridine	3.663	79	1539926m	60.181	ng	
4) n-Nitrosodimethylamine	3.569	42	602879	61.887	ng	99
6) Aniline	7.110	93	1376743	54.586	ng	99
8) 2-Chlorophenol	7.351	128	1492657	61.567	ng	98
9) Benzaldehyde	6.916	77	844385	55.949	ng	98
10) Phenol	6.981	94	1803027	62.772	ng	99
11) bis(2-Chloroethyl)ether	7.204	93	1398201	62.074	ng	99
12) 1,3-Dichlorobenzene	7.669	146	1736609	60.586	ng	99
13) 1,4-Dichlorobenzene	7.816	146	1753895	60.812	ng	99
14) 1,2-Dichlorobenzene	8.133	146	1638164	60.303	ng	99
15) Benzyl Alcohol	8.022	79	1196792	64.570	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.310	45	1519404	60.520	ng	99
17) 2-Methylphenol	8.228	107	1109262	62.667	ng	99
18) Hexachloroethane	8.863	117	603367	60.131	ng	95
19) n-Nitroso-di-n-propyla...	8.592	70	1035835	63.539	ng	97
20) 3+4-Methylphenols	8.557	107	1533520	63.547	ng	99
22) Acetophenone	8.604	105	2066135	60.992	ng	99
24) Nitrobenzene	8.980	77	1477263	61.291	ng	98
25) Isophorone	9.510	82	2626388	62.634	ng	99
26) 2-Nitrophenol	9.686	139	824140	64.513	ng	99
27) 2,4-Dimethylphenol	9.757	122	923795	63.809	ng	99
28) bis(2-Chloroethoxy)met...	9.986	93	1734345	61.780	ng	100
29) 2,4-Dichlorophenol	10.227	162	1520625	63.187	ng	99
30) 1,2,4-Trichlorobenzene	10.439	180	1724659	61.949	ng	100
31) Naphthalene	10.627	128	4391063	61.309	ng	100
32) Benzoic acid	9.927	122	1181344	62.653	ng	98
33) 4-Chloroaniline	10.733	127	1503047	59.431	ng	99
34) Hexachlorobutadiene	10.916	225	1064394	61.808	ng	97
35) Caprolactam	11.533	113	445396	64.529	ng	99
36) 4-Chloro-3-methylphenol	11.868	107	1364157	64.713	ng	99
37) 2-Methylnaphthalene	12.239	142	3184369	63.104	ng	99
38) 1-Methylnaphthalene	12.457	142	3091968	62.893	ng	100
40) 1,2,4,5-Tetrachloroben...	12.610	216	2002675	61.857	ng	99
41) Hexachlorocyclopentadiene	12.592	237	714895	63.016	ng	98
43) 2,4,6-Trichlorophenol	12.851	196	1274694	61.873	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049854.D
Acq On : 08 Apr 2025 19:28
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Quant Time: Apr 09 03:03:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.927	196	1399112	62.494	ng		99
46) 1,1'-Biphenyl	13.257	154	4137656	60.146	ng		99
47) 2-Chloronaphthalene	13.298	162	3226867	59.679	ng		98
48) 2-Nitroaniline	13.498	65	795093	63.562	ng		100
49) Acenaphthylene	14.145	152	4818221	61.175	ng		100
50) Dimethylphthalate	13.886	163	4013924	61.481	ng		100
51) 2,6-Dinitrotoluene	13.998	165	881430	64.439	ng		96
52) Acenaphthene	14.486	154	3082249	61.523	ng		99
53) 3-Nitroaniline	14.327	138	819114	61.958	ng		97
54) 2,4-Dinitrophenol	14.533	184	589583	61.369	ng		97
55) Dibenzofuran	14.821	168	5168643	61.715	ng		98
56) 4-Nitrophenol	14.645	139	793938	67.391	ng		96
57) 2,4-Dinitrotoluene	14.786	165	1222834	67.011	ng		96
58) Fluorene	15.474	166	4134865	62.111	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.051	232	1221259	62.237	ng		97
60) Diethylphthalate	15.251	149	3826285	61.113	ng		98
61) 4-Chlorophenyl-phenyle...	15.468	204	2303745	64.546	ng		96
62) 4-Nitroaniline	15.492	138	906760	66.324	ng		98
63) Azobenzene	15.756	77	3310558	61.760	ng		99
65) 4,6-Dinitro-2-methylph...	15.551	198	778887	65.675	ng		98
66) n-Nitrosodiphenylamine	15.680	169	3444083	61.149	ng		99
67) 4-Bromophenyl-phenylether	16.356	248	1396751	63.930	ng		96
68) Hexachlorobenzene	16.480	284	1574846	62.842	ng		98
70) Pentachlorophenol	16.821	266	1149017	62.277	ng		99
71) Phenanthrene	17.209	178	6405696	62.082	ng		100
72) Anthracene	17.298	178	6349450	62.444	ng		99
73) Carbazole	17.568	167	5982768	62.468	ng		99
74) Di-n-butylphthalate	18.133	149	6724032	60.955	ng		100
75) Fluoranthene	19.227	202	8260007	65.108	ng		98
77) Benzidine	19.403	184	909121	33.955	ng		100
78) Pyrene	19.586	202	8591752	61.771	ng		98
80) Butylbenzylphthalate	20.486	149	3123457	59.763	ng		97
81) Benzo(a)anthracene	21.386	228	8424711	62.811	ng		99
82) 3,3'-Dichlorobenzidine	21.309	252	3254534	64.252	ng		99
83) Chrysene	21.450	228	7979154	62.573	ng		98
84) Bis(2-ethylhexyl)phtha...	21.315	149	4400467	57.790	ng	#	95
85) Di-n-octyl phthalate	22.450	149	7938550	59.593	ng		99
87) Indeno(1,2,3-cd)pyrene	27.809	276	9952687	63.483	ng		99
88) Benzo(b)fluoranthene	23.462	252	8702237	64.785	ng		99
89) Benzo(k)fluoranthene	23.527	252	8428431	64.749	ng		99
90) Benzo(a)pyrene	24.268	252	7629106	64.633	ng		99
91) Dibenzo(a,h)anthracene	27.862	278	8206056	63.546	ng		99
92) Benzo(g,h,i)perylene	28.867	276	8265853	62.639	ng		99

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

ICAL Form

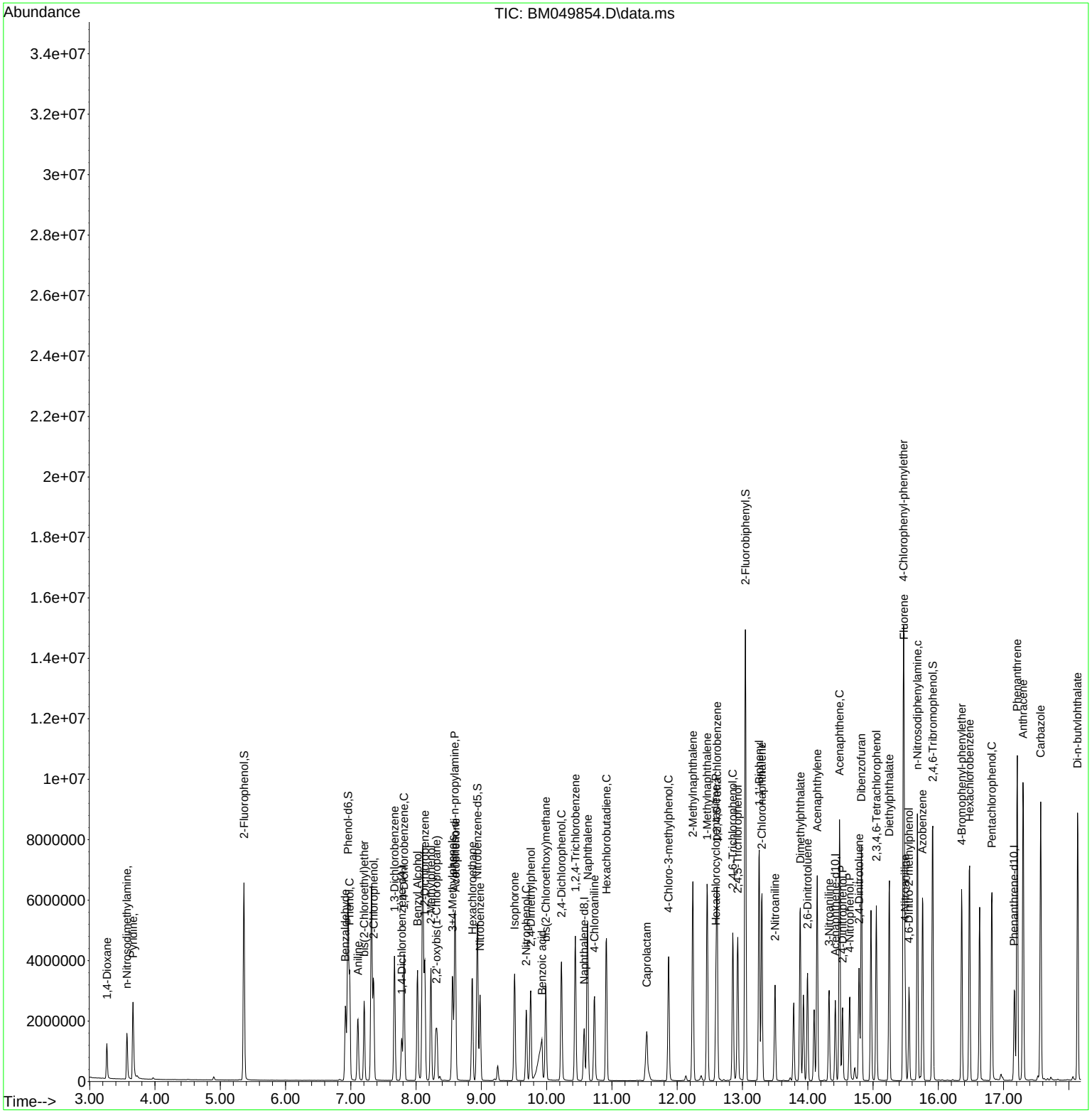
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049854.D
Acq On : 08 Apr 2025 19:28
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 09 03:03:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025



ICAL Form

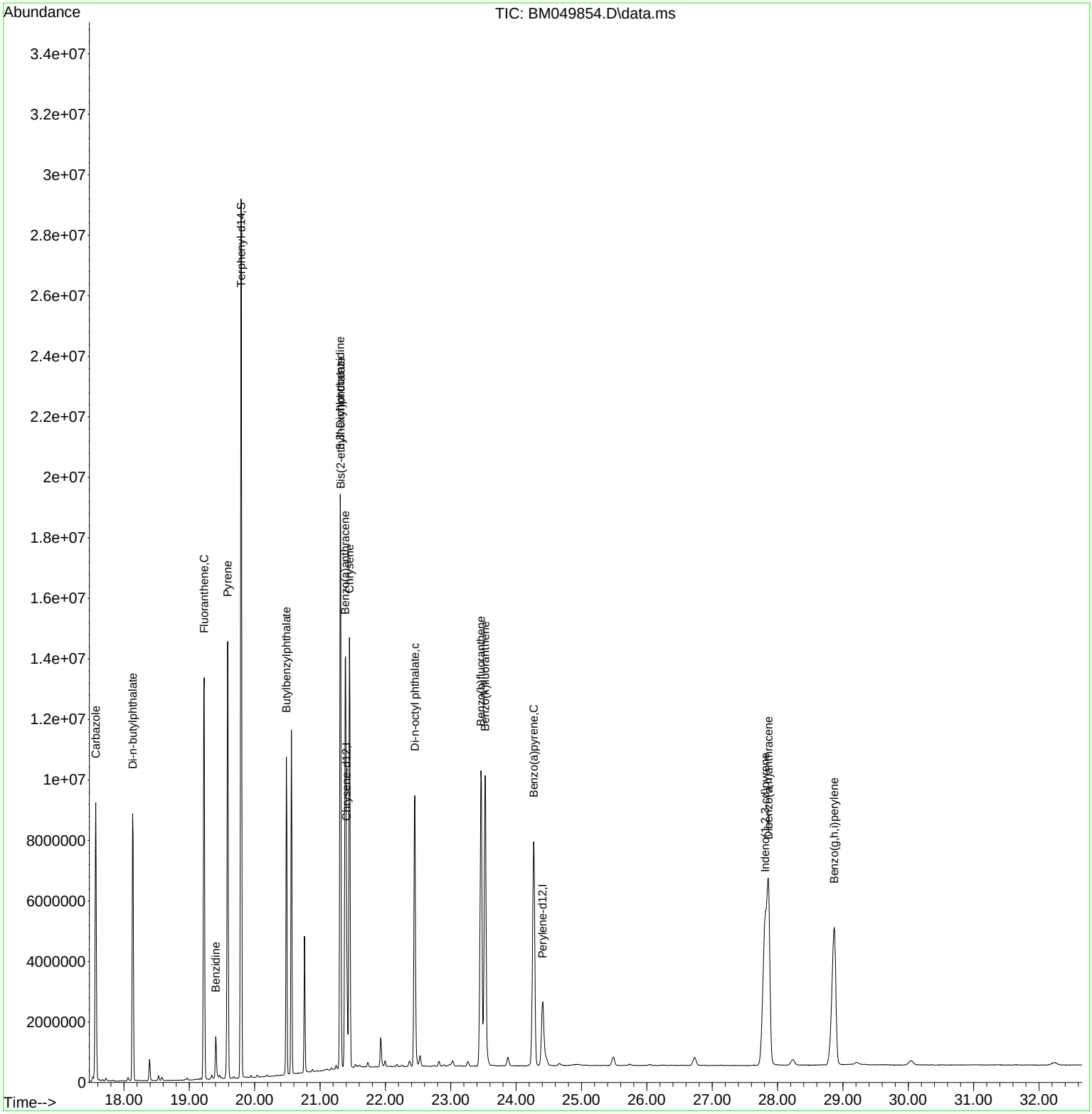
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049854.D
Acq On : 08 Apr 2025 19:28
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 09 03:03:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049855.D
Acq On : 08 Apr 2025 20:07
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Quant Time: Apr 09 03:03:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	337265	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	1122639	20.000	ng	0.00
39) Acenaphthene-d10	14.422	164	724372	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1472595	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1558603	20.000	ng	0.00
86) Perylene-d12	24.403	264	1599218	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	3176757	159.945	ng	0.00
7) Phenol-d6	6.957	99	4006393	162.127	ng	0.00
23) Nitrobenzene-d5	8.940	82	3331067	165.228	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	1903078	180.622	ng	0.00
45) 2-Fluorobiphenyl	13.045	172	8715915	163.160	ng	0.00
79) Terphenyl-d14	19.786	244	12523857	150.586	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.263	88	651448	79.642	ng	99
3) Pyridine	3.663	79	1721709m	80.145	ng	
4) n-Nitrosodimethylamine	3.569	42	657792	80.428	ng	98
6) Aniline	7.104	93	1557071	73.535	ng	99
8) 2-Chlorophenol	7.346	128	1617379	79.461	ng	99
9) Benzaldehyde	6.916	77	756625	59.716	ng	98
10) Phenol	6.981	94	1957010	81.154	ng	99
11) bis(2-Chloroethyl)ether	7.204	93	1502774	79.467	ng	99
12) 1,3-Dichlorobenzene	7.669	146	1900533	78.977	ng	98
13) 1,4-Dichlorobenzene	7.816	146	1924197	79.467	ng	99
14) 1,2-Dichlorobenzene	8.134	146	1799229	78.890	ng	100
15) Benzyl Alcohol	8.022	79	1282444	82.414	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.316	45	1638145	77.719	ng	99
17) 2-Methylphenol	8.228	107	1183257	79.623	ng	99
18) Hexachloroethane	8.857	117	658294	78.143	ng	97
19) n-Nitroso-di-n-propyla...	8.592	70	1100668	80.420	ng	99
20) 3+4-Methylphenols	8.557	107	1639646	80.930	ng	98
22) Acetophenone	8.604	105	2212514	81.093	ng	98
24) Nitrobenzene	8.981	77	1588049	81.805	ng	99
25) Isophorone	9.510	82	2783323	82.413	ng	99
26) 2-Nitrophenol	9.687	139	885850	86.097	ng	100
27) 2,4-Dimethylphenol	9.757	122	990665	84.960	ng	99
28) bis(2-Chloroethoxy)met...	9.986	93	1849648	81.806	ng	99
29) 2,4-Dichlorophenol	10.228	162	1635110	84.360	ng	99
30) 1,2,4-Trichlorobenzene	10.439	180	1854479	82.705	ng	99
31) Naphthalene	10.622	128	4692325	81.343	ng	99
32) Benzoic acid	9.934	122	1270650	80.764	ng	98
33) 4-Chloroaniline	10.734	127	1644863	80.751	ng	99
34) Hexachlorobutadiene	10.916	225	1160306	83.656	ng	99
35) Caprolactam	11.533	113	468650	84.302	ng	97
36) 4-Chloro-3-methylphenol	11.869	107	1439396	84.779	ng	99
37) 2-Methylnaphthalene	12.239	142	3388769	83.379	ng	100
38) 1-Methylnaphthalene	12.457	142	3285148	82.967	ng	99
40) 1,2,4,5-Tetrachloroben...	12.610	216	2135182	84.255	ng	99
41) Hexachlorocyclopentadiene	12.592	237	725972	81.754	ng	100
43) 2,4,6-Trichlorophenol	12.851	196	1356737	84.134	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049855.D
Acq On : 08 Apr 2025 20:07
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Quant Time: Apr 09 03:03:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.927	196	1477695	84.323	ng		99
46) 1,1'-Biphenyl	13.257	154	4390713	81.540	ng		99
47) 2-Chloronaphthalene	13.298	162	3444094	81.376	ng		98
48) 2-Nitroaniline	13.498	65	853486	87.168	ng		98
49) Acenaphthylene	14.145	152	5122399	83.088	ng		99
50) Dimethylphthalate	13.880	163	4216670	82.512	ng		99
51) 2,6-Dinitrotoluene	13.998	165	927781	86.653	ng		96
52) Acenaphthene	14.486	154	3264918	83.258	ng		100
53) 3-Nitroaniline	14.327	138	930646	89.933	ng		96
54) 2,4-Dinitrophenol	14.533	184	625443	80.604	ng		97
55) Dibenzofuran	14.821	168	5445586	83.068	ng		98
56) 4-Nitrophenol	14.639	139	835691	90.623	ng		99
57) 2,4-Dinitrotoluene	14.786	165	1283341	89.846	ng		96
58) Fluorene	15.469	166	4360823	83.687	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	1308821	85.213	ng		97
60) Diethylphthalate	15.251	149	4046865	82.577	ng		98
61) 4-Chlorophenyl-phenyle...	15.469	204	2422112	86.698	ng		96
62) 4-Nitroaniline	15.492	138	958937	89.608	ng		98
63) Azobenzene	15.757	77	3477801	82.888	ng		98
65) 4,6-Dinitro-2-methylph...	15.551	198	824411	88.841	ng		99
66) n-Nitrosodiphenylamine	15.680	169	3615164	82.034	ng		100
67) 4-Bromophenyl-phenylether	16.357	248	1482215	86.704	ng		96
68) Hexachlorobenzene	16.474	284	1670677	85.201	ng		100
70) Pentachlorophenol	16.821	266	1238924	85.821	ng		99
71) Phenanthrene	17.210	178	6757399	83.700	ng		99
72) Anthracene	17.298	178	6714186	84.390	ng		100
73) Carbazole	17.568	167	6306654	84.159	ng		99
74) Di-n-butylphthalate	18.133	149	7042435	81.592	ng		100
75) Fluoranthene	19.221	202	8767531	88.324	ng		99
77) Benzidine	19.404	184	2227000	107.704	ng		100
78) Pyrene	19.586	202	8996687	83.755	ng		98
80) Butylbenzylphthalate	20.486	149	3262795	80.838	ng		97
81) Benzo(a)anthracene	21.386	228	8779936	84.761	ng		99
82) 3,3'-Dichlorobenzidine	21.309	252	3524132	90.091	ng		99
83) Chrysene	21.450	228	8388518	85.181	ng		98
84) Bis(2-ethylhexyl)phtha...	21.309	149	4596937	78.171	ng	#	96
85) Di-n-octyl phthalate	22.445	149	8204703	79.753	ng		99
87) Indeno(1,2,3-cd)pyrene	27.809	276	10271777	86.167	ng		98
88) Benzo(b)fluoranthene	23.462	252	9083493	88.935	ng		99
89) Benzo(k)fluoranthene	23.527	252	8710029	88.000	ng		99
90) Benzo(a)pyrene	24.268	252	7870455	87.693	ng		99
91) Dibenzo(a,h)anthracene	27.862	278	8515147	86.721	ng		99
92) Benzo(g,h,i)perylene	28.868	276	8495950	84.674	ng		98

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

ICAL Form

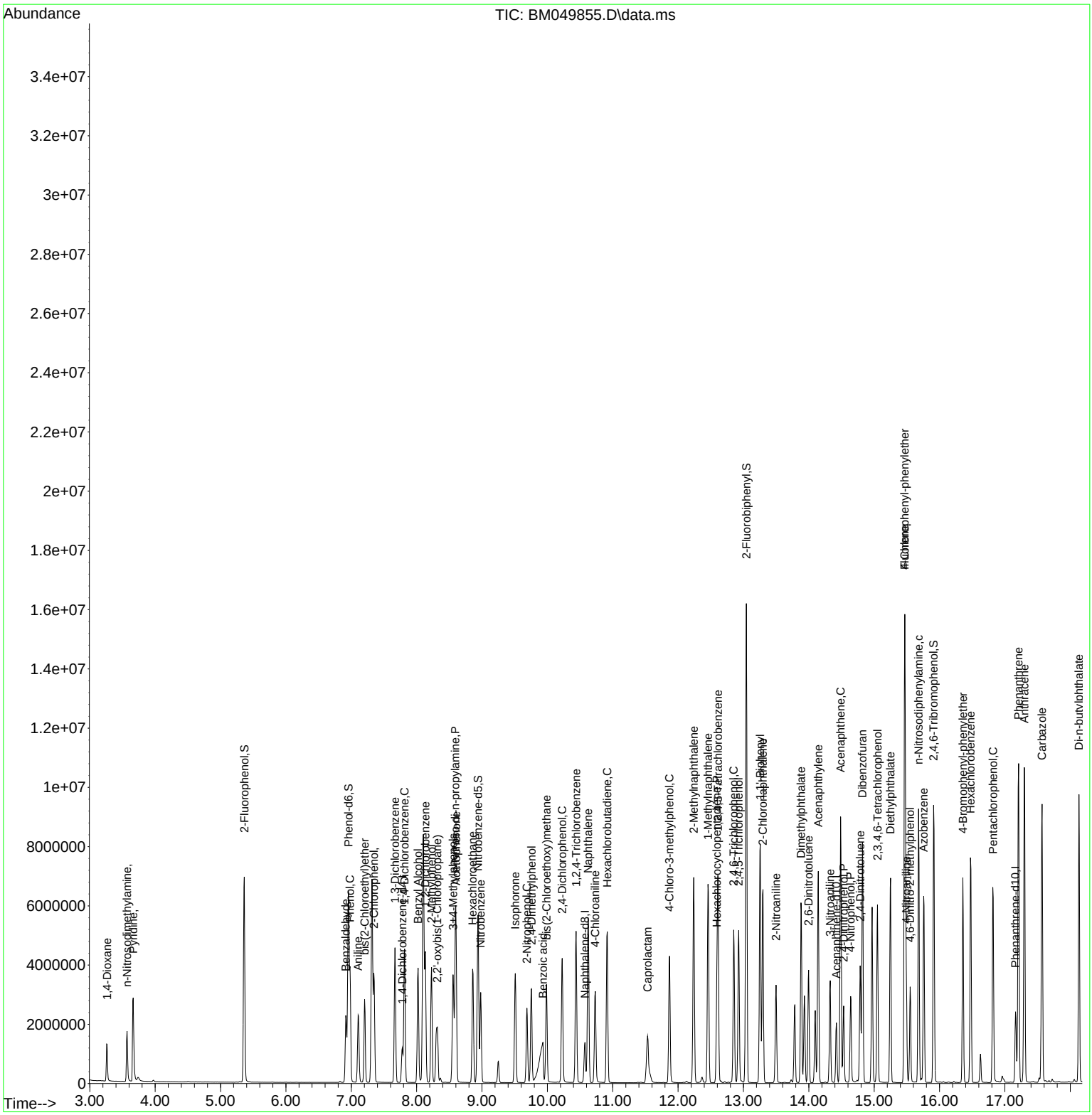
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049855.D
Acq On : 08 Apr 2025 20:07
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 09 03:03:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025



ICAL Form

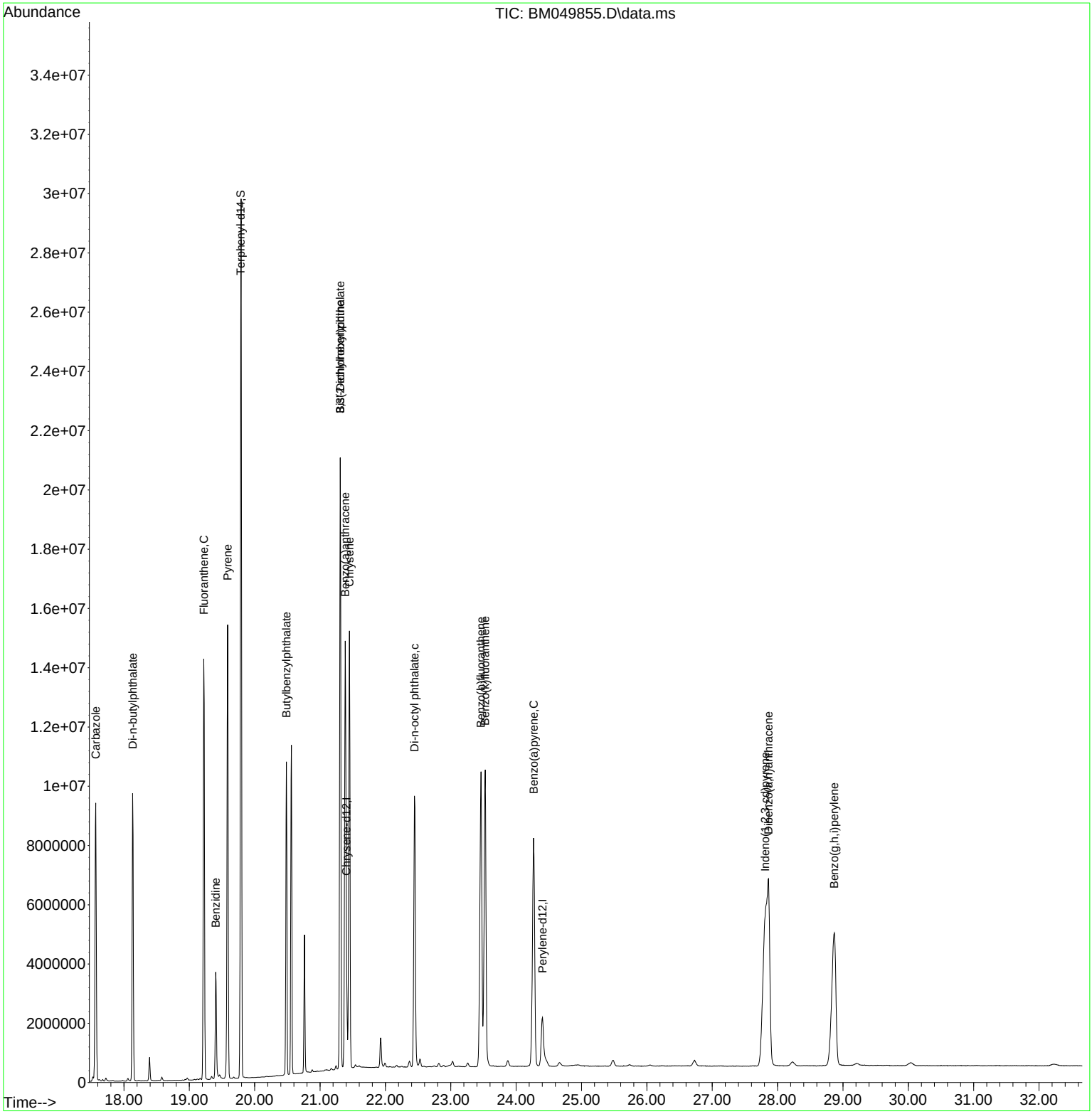
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049855.D
Acq On : 08 Apr 2025 20:07
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 09 03:03:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	315403	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	1065845	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	683720	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1374499	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1374864	20.000	ng	0.00
86) Perylene-d12	24.397	264	1454417	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1477323	79.537	ng	0.00
7) Phenol-d6	6.951	99	1843667	79.779	ng	0.00
23) Nitrobenzene-d5	8.934	82	1580621	82.580	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	830905	83.550	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	4148227	82.271	ng	0.00
79) Terphenyl-d14	19.792	244	6672291	90.949	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.263	88	298756	39.056	ng	100
3) Pyridine	3.663	79	788453	39.231	ng	97
4) n-Nitrosodimethylamine	3.569	42	302128	39.502	ng	100
6) Aniline	7.104	93	824180	41.621	ng	99
8) 2-Chlorophenol	7.345	128	758833	39.865	ng	99
9) Benzaldehyde	6.916	77	479003	40.391	ng	97
10) Phenol	6.975	94	895478	39.708	ng	99
11) bis(2-Chloroethyl)ether	7.198	93	705217	39.877	ng	98
12) 1,3-Dichlorobenzene	7.669	146	897350	39.874	ng	98
13) 1,4-Dichlorobenzene	7.810	146	898553	39.681	ng	98
14) 1,2-Dichlorobenzene	8.128	146	855104	40.092	ng	99
15) Benzyl Alcohol	8.016	79	585871	40.260	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.304	45	787669	39.960	ng	99
17) 2-Methylphenol	8.222	107	557174	40.092	ng	99
18) Hexachloroethane	8.857	117	312580	39.677	ng	98
19) n-Nitroso-di-n-propyla...	8.586	70	525287	41.040	ng	99
20) 3+4-Methylphenols	8.551	107	760368	40.132	ng	98
22) Acetophenone	8.598	105	1065111	41.119	ng	99
24) Nitrobenzene	8.975	77	750719	40.732	ng	99
25) Isophorone	9.504	82	1319919	41.165	ng	99
26) 2-Nitrophenol	9.686	139	405206	41.481	ng	98
27) 2,4-Dimethylphenol	9.751	122	454139	41.022	ng	100
28) bis(2-Chloroethoxy)met...	9.986	93	877287	40.868	ng	99
29) 2,4-Dichlorophenol	10.222	162	759071	41.249	ng	99
30) 1,2,4-Trichlorobenzene	10.439	180	860242	40.409	ng	99
31) Naphthalene	10.622	128	2222571	40.582	ng	99
32) Benzoic acid	9.886	122	548954	41.427	ng	97
33) 4-Chloroaniline	10.728	127	815667	42.177	ng	98
34) Hexachlorobutadiene	10.916	225	535791	40.688	ng	98
35) Caprolactam	11.510	113	219136	41.519	ng	96
36) 4-Chloro-3-methylphenol	11.863	107	670620	41.604	ng	99
37) 2-Methylnaphthalene	12.239	142	1589046	41.181	ng	99
38) 1-Methylnaphthalene	12.457	142	1536235	40.865	ng	100
40) 1,2,4,5-Tetrachloroben...	12.610	216	974104	40.724	ng	99
41) Hexachlorocyclopentadiene	12.592	237	348434	41.571	ng	100
43) 2,4,6-Trichlorophenol	12.851	196	629554	41.361	ng	97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.922	196	684953	41.410	ng	99
46) 1,1'-Biphenyl	13.251	154	2088758	41.097	ng	100
47) 2-Chloronaphthalene	13.292	162	1626662	40.719	ng	98
48) 2-Nitroaniline	13.492	65	386594	41.831	ng	96
49) Acenaphthylene	14.139	152	2404483	41.321	ng	100
50) Dimethylphthalate	13.880	163	2006252	41.593	ng	99
51) 2,6-Dinitrotoluene	13.992	165	430765	42.625	ng	99
52) Acenaphthene	14.486	154	1537342	41.534	ng	99
53) 3-Nitroaniline	14.321	138	430166	44.041	ng	96
54) 2,4-Dinitrophenol	14.527	184	261179	39.689	ng	97
55) Dibenzofuran	14.821	168	2572884	41.581	ng	99
56) 4-Nitrophenol	14.639	139	380237	43.685	ng	97
57) 2,4-Dinitrotoluene	14.780	165	588187	43.627	ng	99
58) Fluorene	15.468	166	2052408	41.729	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	604398	41.690	ng	99
60) Diethylphthalate	15.245	149	1935360	41.839	ng	100
61) 4-Chlorophenyl-phenyle...	15.463	204	1107114	41.984	ng	99
62) 4-Nitroaniline	15.486	138	445025	44.058	ng	99
63) Azobenzene	15.757	77	1658136	41.869	ng	99
65) 4,6-Dinitro-2-methylph...	15.545	198	355438	41.037	ng	97
66) n-Nitrosodiphenylamine	15.674	169	1689818	41.081	ng	99
67) 4-Bromophenyl-phenylether	16.357	248	654585	41.024	ng	98
68) Hexachlorobenzene	16.474	284	746406	40.782	ng	98
69) Atrazine	16.627	200	351283	32.937	ng	100
70) Pentachlorophenol	16.815	266	547416	40.626	ng	99
71) Phenanthrene	17.204	178	3110670	41.280	ng	100
72) Anthracene	17.298	178	3081134	41.490	ng	100
73) Carbazole	17.562	167	2897408	41.424	ng	100
74) Di-n-butylphthalate	18.133	149	3282090	40.739	ng	100
75) Fluoranthene	19.221	202	3829085	41.327	ng	99
77) Benzidine	19.403	184	690660	37.866	ng	99
78) Pyrene	19.586	202	3930574	41.482	ng	100
80) Butylbenzylphthalate	20.486	149	1452887	40.807	ng	97
81) Benzo(a)anthracene	21.386	228	3774940	41.314	ng	99
82) 3,3'-Dichlorobenzidine	21.303	252	1404639	40.707	ng	99
83) Chrysene	21.444	228	3564842	41.037	ng	99
84) Bis(2-ethylhexyl)phtha...	21.309	149	2130265	41.067	ng	99
85) Di-n-octyl phthalate	22.444	149	3614929	39.835	ng	100
87) Indeno(1,2,3-cd)pyrene	27.785	276	4377775	40.380	ng	100
88) Benzo(b)fluoranthene	23.456	252	3807278	40.988	ng	100
89) Benzo(k)fluoranthene	23.515	252	3640395	40.442	ng	99
90) Benzo(a)pyrene	24.262	252	3296735	40.389	ng	98
91) Dibenzo(a,h)anthracene	27.844	278	3588859	40.189	ng	100
92) Benzo(g,h,i)perylene	28.844	276	3657794	40.085	ng	100

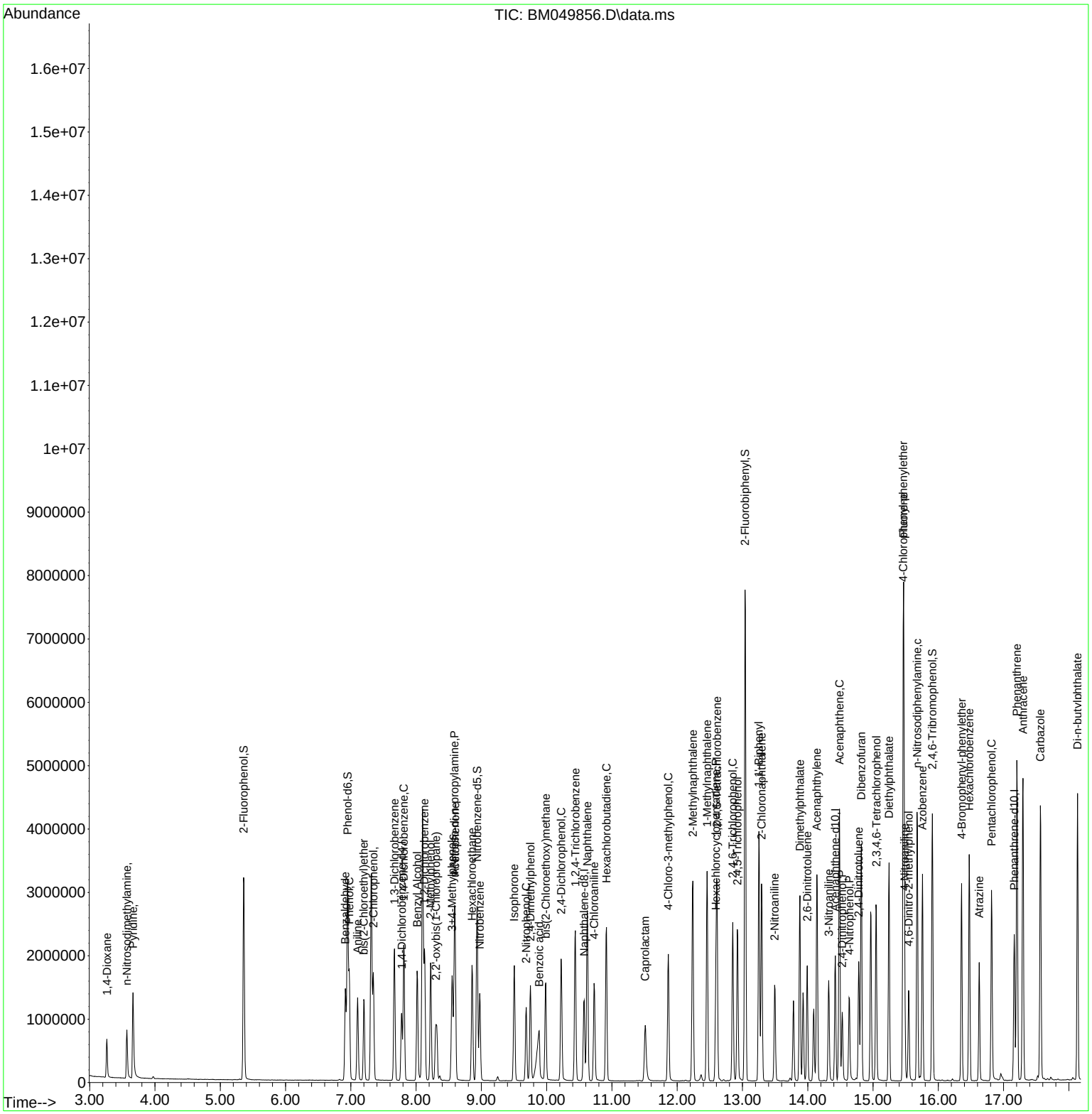
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

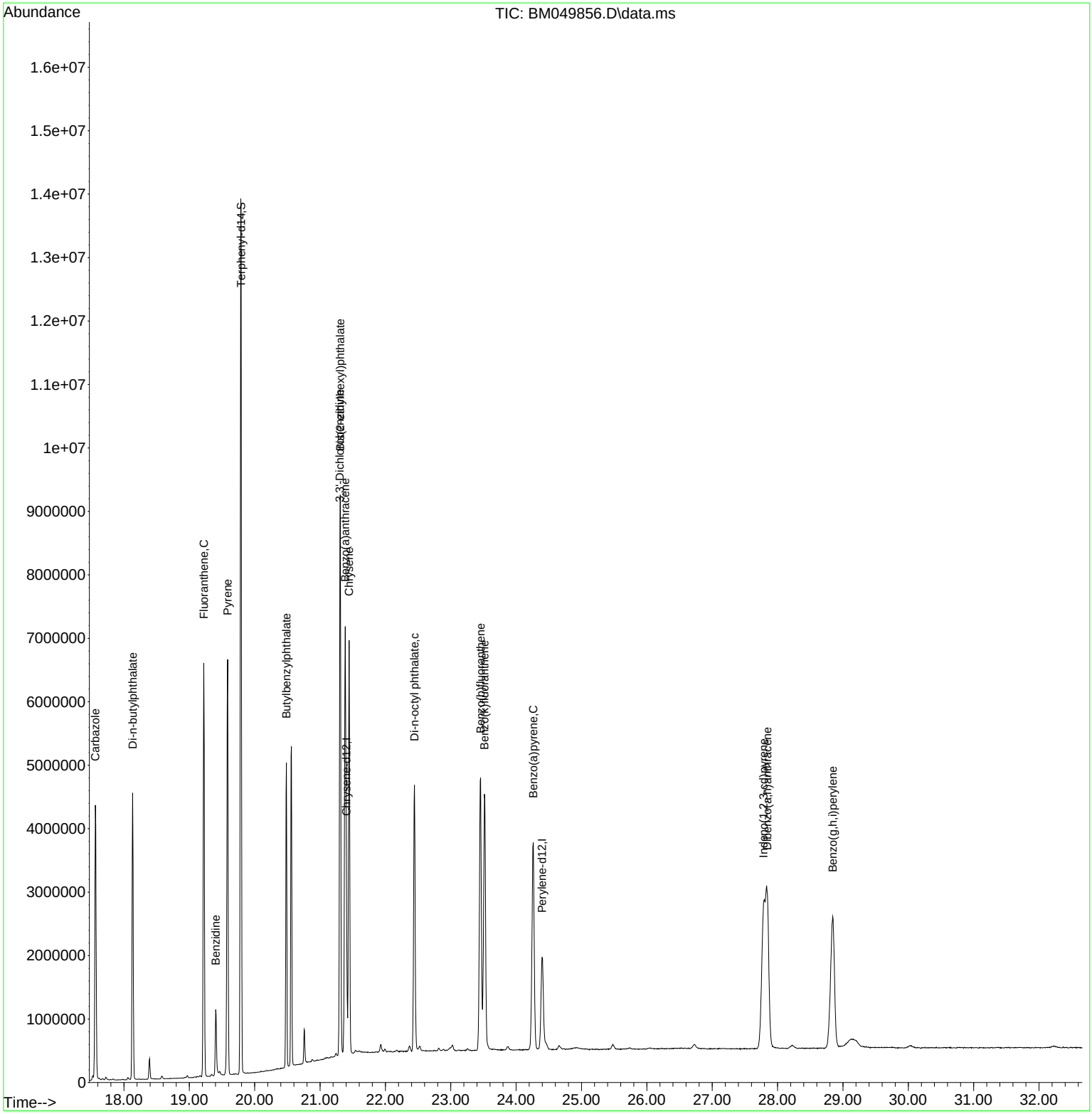


ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
2		1,4-Dioxane	0.485	0.474	2.3	101	0.00
3		Pyridine	1.274	1.250	1.9	101	0.00
4		n-Nitrosodimethylamine	0.485	0.479	1.2	102	0.00
5	S	2-Fluorophenol	1.178	1.171	0.6	103	0.00
6		Aniline	1.256	1.307	-4.1	103	0.00
7	S	Phenol-d6	1.465	1.461	0.3	102	0.00
8		2-Chlorophenol	1.207	1.203	0.3	103	0.00
9		Benzaldehyde	0.752	0.759	-0.9	106	0.00
10	C	Phenol	1.430	1.420	0.7	103	0.00
11		bis(2-Chloroethyl)ether	1.121	1.118	0.3	103	0.00
12		1,3-Dichlorobenzene	1.427	1.423	0.3	103	0.00
13	C	1,4-Dichlorobenzene	1.436	1.424	0.8	102	0.00
14		1,2-Dichlorobenzene	1.352	1.356	-0.3	103	0.00
15		Benzyl Alcohol	0.923	0.929	-0.7	102	0.00
16		2,2'-oxybis(1-Chloropropane	1.250	1.249	0.1	103	0.00
17		2-Methylphenol	0.881	0.883	-0.2	103	0.00
18		Hexachloroethane	0.500	0.496	0.8	103	0.00
19	P	n-Nitroso-di-n-propylamine	0.812	0.833	-2.6	104	0.00
20		3+4-Methylphenols	1.201	1.205	-0.3	103	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	104	0.00
22		Acetophenone	0.486	0.500	-2.9	104	0.00
23	S	Nitrobenzene-d5	0.359	0.371	-3.3	105	0.00
24		Nitrobenzene	0.346	0.352	-1.7	103	0.00
25		Isophorone	0.602	0.619	-2.8	104	0.00
26	C	2-Nitrophenol	0.183	0.190	-3.8	104	0.00
27		2,4-Dimethylphenol	0.208	0.213	-2.4	104	0.00
28		bis(2-Chloroethoxy)methane	0.403	0.412	-2.2	104	0.00
29	C	2,4-Dichlorophenol	0.345	0.356	-3.2	105	0.00
30		1,2,4-Trichlorobenzene	0.399	0.404	-1.3	104	0.00
31		Naphthalene	1.028	1.043	-1.5	104	0.00
32		Benzoic acid	0.220	0.258	-17.3	116	0.01
33		4-Chloroaniline	0.363	0.383	-5.5	104	0.00
34	C	Hexachlorobutadiene	0.247	0.251	-1.6	105	0.00
35		Caprolactam	0.099	0.103	-4.0	105	0.00
36	C	4-Chloro-3-methylphenol	0.302	0.315	-4.3	106	0.00
37		2-Methylnaphthalene	0.724	0.745	-2.9	105	0.00
38		1-Methylnaphthalene	0.705	0.721	-2.3	105	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	106	0.00
40		1,2,4,5-Tetrachlorobenzene	0.700	0.712	-1.7	107	0.00
41	P	Hexachlorocyclopentadiene	0.245	0.255	-4.1	102	0.00
42	S	2,4,6-Tribromophenol	0.291	0.304	-4.5	110	0.00
43	C	2,4,6-Trichlorophenol	0.445	0.460	-3.4	106	0.00
44		2,4,5-Trichlorophenol	0.484	0.501	-3.5	106	0.00
45	S	2-Fluorobiphenyl	1.475	1.517	-2.8	106	0.00
46		1,1'-Biphenyl	1.487	1.527	-2.7	106	0.00
47		2-Chloronaphthalene	1.169	1.190	-1.8	106	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.270	0.283	-4.8	106	0.00
49		Acenaphthylene	1.702	1.758	-3.3	107	0.00
50		Dimethylphthalate	1.411	1.467	-4.0	108	0.00
51		2,6-Dinitrotoluene	0.296	0.315	-6.4	108	0.00
52	C	Acenaphthene	1.083	1.124	-3.8	107	0.00
53		3-Nitroaniline	0.286	0.315	-10.1	108	0.00
54	P	2,4-Dinitrophenol	0.175	0.191	-9.1	110	0.00
55		Dibenzofuran	1.810	1.882	-4.0	108	0.00
56	P	4-Nitrophenol	0.255	0.278	-9.0	109	0.00
57		2,4-Dinitrotoluene	0.394	0.430	-9.1	108	0.00
58		Fluorene	1.439	1.501	-4.3	108	0.00
59		2,3,4,6-Tetrachlorophenol	0.424	0.442	-4.2	110	0.00
60		Diethylphthalate	1.353	1.415	-4.6	108	0.00
61		4-Chlorophenyl-phenylether	0.771	0.810	-5.1	109	0.00
62		4-Nitroaniline	0.295	0.325	-10.2	108	0.00
63		Azobenzene	1.158	1.213	-4.7	107	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	109	0.00
65		4,6-Dinitro-2-methylphenol	0.126	0.129	-2.4	107	0.00
66	c	n-Nitrosodiphenylamine	0.599	0.615	-2.7	108	0.00
67		4-Bromophenyl-phenylether	0.232	0.238	-2.6	109	0.00
68		Hexachlorobenzene	0.266	0.272	-2.3	109	0.00
69		Atrazine	0.155	0.128	17.4	108	0.00
70	C	Pentachlorophenol	0.196	0.199	-1.5	106	0.00
71		Phenanthrene	1.096	1.132	-3.3	109	0.00
72		Anthracene	1.081	1.121	-3.7	109	0.00
73		Carbazole	1.018	1.054	-3.5	109	0.00
74		Di-n-butylphthalate	1.172	1.194	-1.9	107	0.00
75	C	Fluoranthene	1.348	1.393	-3.3	110	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	108	0.00
77		Benzidine	0.265	0.251	5.3	67	0.00
78		Pyrene	1.378	1.429	-3.7	109	0.00
79	S	Terphenyl-d14	1.067	1.213	-13.7	110	0.00
80		Butylbenzylphthalate	0.518	0.528	-1.9	106	0.00
81		Benzo(a)anthracene	1.329	1.373	-3.3	109	0.00
82		3,3'-Dichlorobenzidine	0.502	0.511	-1.8	105	0.00
83		Chrysene	1.264	1.296	-2.5	108	0.00
84		Bis(2-ethylhexyl)phthalate	0.755	0.775	-2.6	106	0.00
85	c	Di-n-octyl phthalate	1.320	1.315	0.4	104	0.00
86	I	Perylene-d12	1.000	1.000	0.0	105	-0.01
87		Indeno(1,2,3-cd)pyrene	1.491	1.505	-0.9	105	-0.01
88		Benzo(b)fluoranthene	1.277	1.309	-2.5	105	0.00
89		Benzo(k)fluoranthene	1.238	1.251	-1.1	106	0.00
90	C	Benzo(a)pyrene	1.122	1.133	-1.0	105	0.00
91		Dibenzo(a,h)anthracene	1.228	1.234	-0.5	104	0.00
92		Benzo(g,h,i)perylene	1.255	1.257	-0.2	105	-0.01

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	104	0.00
2		1,4-Dioxane	40.000	39.056	2.4	101	0.00
3		Pyridine	40.000	39.231	1.9	101	0.00
4		n-Nitrosodimethylamine	40.000	39.502	1.2	102	0.00
5	S	2-Fluorophenol	80.000	79.537	0.6	103	0.00
6		Aniline	40.000	41.621	-4.1	103	0.00
7	S	Phenol-d6	80.000	79.779	0.3	102	0.00
8		2-Chlorophenol	40.000	39.865	0.3	103	0.00
9		Benzaldehyde	40.000	40.391	-1.0	106	0.00
10	C	Phenol	40.000	39.708	0.7	103	0.00
11		bis(2-Chloroethyl)ether	40.000	39.877	0.3	103	0.00
12		1,3-Dichlorobenzene	40.000	39.874	0.3	103	0.00
13	C	1,4-Dichlorobenzene	40.000	39.681	0.8	102	0.00
14		1,2-Dichlorobenzene	40.000	40.092	-0.2	103	0.00
15		Benzyl Alcohol	40.000	40.260	-0.6	102	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.960	0.1	103	0.00
17		2-Methylphenol	40.000	40.092	-0.2	103	0.00
18		Hexachloroethane	40.000	39.677	0.8	103	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.040	-2.6	104	0.00
20		3+4-Methylphenols	40.000	40.132	-0.3	103	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	104	0.00
22		Acetophenone	40.000	41.119	-2.8	104	0.00
23	S	Nitrobenzene-d5	80.000	82.580	-3.2	105	0.00
24		Nitrobenzene	40.000	40.732	-1.8	103	0.00
25		Isophorone	40.000	41.165	-2.9	104	0.00
26	C	2-Nitrophenol	40.000	41.481	-3.7	104	0.00
27		2,4-Dimethylphenol	40.000	41.022	-2.6	104	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.868	-2.2	104	0.00
29	C	2,4-Dichlorophenol	40.000	41.249	-3.1	105	0.00
30		1,2,4-Trichlorobenzene	40.000	40.409	-1.0	104	0.00
31		Naphthalene	40.000	40.582	-1.5	104	0.00
32		Benzoic acid	40.000	41.427	-3.6	116	0.01
33		4-Chloroaniline	40.000	42.177	-5.4	104	0.00
34	C	Hexachlorobutadiene	40.000	40.688	-1.7	105	0.00
35		Caprolactam	40.000	41.519	-3.8	105	0.00
36	C	4-Chloro-3-methylphenol	40.000	41.604	-4.0	106	0.00
37		2-Methylnaphthalene	40.000	41.181	-3.0	105	0.00
38		1-Methylnaphthalene	40.000	40.865	-2.2	105	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	106	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.724	-1.8	107	0.00
41	P	Hexachlorocyclopentadiene	40.000	41.571	-3.9	102	0.00
42	S	2,4,6-Tribromophenol	80.000	83.550	-4.4	110	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.361	-3.4	106	0.00
44		2,4,5-Trichlorophenol	40.000	41.410	-3.5	106	0.00
45	S	2-Fluorobiphenyl	80.000	82.271	-2.8	106	0.00
46		1,1'-Biphenyl	40.000	41.097	-2.7	106	0.00
47		2-Chloronaphthalene	40.000	40.719	-1.8	106	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	41.831	-4.6	106	0.00
49		Acenaphthylene	40.000	41.321	-3.3	107	0.00
50		Dimethylphthalate	40.000	41.593	-4.0	108	0.00
51		2,6-Dinitrotoluene	40.000	42.625	-6.6	108	0.00
52	C	Acenaphthene	40.000	41.534	-3.8	107	0.00
53		3-Nitroaniline	40.000	44.041	-10.1	108	0.00
54	P	2,4-Dinitrophenol	40.000	39.689	0.8	110	0.00
55		Dibenzofuran	40.000	41.581	-4.0	108	0.00
56	P	4-Nitrophenol	40.000	43.685	-9.2	109	0.00
57		2,4-Dinitrotoluene	40.000	43.627	-9.1	108	0.00
58		Fluorene	40.000	41.729	-4.3	108	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.690	-4.2	110	0.00
60		Diethylphthalate	40.000	41.839	-4.6	108	0.00
61		4-Chlorophenyl-phenylether	40.000	41.984	-5.0	109	0.00
62		4-Nitroaniline	40.000	44.058	-10.1	108	0.00
63		Azobenzene	40.000	41.869	-4.7	107	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	109	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.037	-2.6	107	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.081	-2.7	108	0.00
67		4-Bromophenyl-phenylether	40.000	41.024	-2.6	109	0.00
68		Hexachlorobenzene	40.000	40.782	-2.0	109	0.00
69		Atrazine	40.000	32.937	17.7	108	0.00
70	C	Pentachlorophenol	40.000	40.626	-1.6	106	0.00
71		Phenanthrene	40.000	41.280	-3.2	109	0.00
72		Anthracene	40.000	41.490	-3.7	109	0.00
73		Carbazole	40.000	41.424	-3.6	109	0.00
74		Di-n-butylphthalate	40.000	40.739	-1.8	107	0.00
75	C	Fluoranthene	40.000	41.327	-3.3	110	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	108	0.00
77		Benzidine	40.000	37.866	5.3	67	0.00
78		Pyrene	40.000	41.482	-3.7	109	0.00
79	S	Terphenyl-d14	80.000	90.949	-13.7	110	0.00
80		Butylbenzylphthalate	40.000	40.807	-2.0	106	0.00
81		Benzo(a)anthracene	40.000	41.314	-3.3	109	0.00
82		3,3'-Dichlorobenzidine	40.000	40.707	-1.8	105	0.00
83		Chrysene	40.000	41.037	-2.6	108	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.067	-2.7	106	0.00
85	c	Di-n-octyl phthalate	40.000	39.835	0.4	104	0.00
86	I	Perylene-d12	20.000	20.000	0.0	105	-0.01
87		Indeno(1,2,3-cd)pyrene	40.000	40.380	-1.0	105	-0.01
88		Benzo(b)fluoranthene	40.000	40.988	-2.5	105	0.00
89		Benzo(k)fluoranthene	40.000	40.442	-1.1	106	0.00
90	C	Benzo(a)pyrene	40.000	40.389	-1.0	105	0.00
91		Dibenzo(a,h)anthracene	40.000	40.189	-0.5	104	0.00
92		Benzo(g,h,i)perylene	40.000	40.085	-0.2	105	-0.01

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: Q1858 SAS No.: Q1858 SDG No.: Q1858

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

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

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

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.123	1.145	1.262	1.254	1.210	1.210	4.9
Phenol-d6		1.463	1.552	1.718	1.748	1.697	1.656	6.7
Nitrobenzene-d5		0.322	0.337	0.367	0.368	0.357	0.351	4.8
Naphthalene		1.044	1.054	1.091	1.079	1.037	1.054	2.3
2-Fluorobiphenyl		1.332	1.334	1.359	1.366	1.263	1.306	4.1
Fluorene		1.376	1.397	1.454	1.398	1.368	1.388	2.4
2,4,6-Tribromophenol		0.235	0.256	0.278	0.289	0.289	0.277	8.3
Phenanthrene		1.098	1.086	1.117	1.127	1.070	1.091	2.3
Anthracene		0.995	1.017	1.084	1.111	1.053	1.052	3.9
Pyrene		1.192	1.236	1.345	1.305	1.294	1.271	4.4
Terphenyl-d14		0.967	0.998	1.055	1.032	1.005	0.992	4.4
Benzo(a)anthracene		1.195	1.214	1.292	1.293	1.234	1.243	3.1
Chrysene		1.180	1.181	1.229	1.213	1.173	1.191	1.9
Benzo(b)fluoranthene		1.130	1.174	1.217	1.258	1.196	1.199	3.3
Benzo(a)pyrene		0.939	0.971	1.057	1.091	1.053	1.034	5.4
Indeno(1,2,3-cd)pyrene		1.252	1.304	1.407	1.444	1.401	1.388	5.8
Benzo(g,h,i)perylene		1.073	1.110	1.198	1.218	1.180	1.173	5.0

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Apr 15 04:48:42 2025
Response Via : Initial Calibration

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

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

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

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

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

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

(#) = Out of Range

Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Apr 09 04:00:55 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BM049848.D 5 =BM049849.D 10 =BM049850.D 20 =BM049851.D 40 =BM049852.D 50 =BM049853.D 60 =BM049854.D 80 =BM0498
55.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.497	0.470	0.501	0.488	0.486	0.471	0.483	0.485	2.47
3)		Pyridine		1.262	1.220	1.322	1.287	1.276	1.278	1.276	1.274	2.40
4)		n-Nitrosodimet...		0.478	0.461	0.496	0.489	0.484	0.500	0.488	0.485	2.67
5)	S	2-Fluorophenol		1.145	1.144	1.213	1.191	1.165	1.210	1.177	1.178	2.40
6)		Aniline		1.304	1.315	1.396	1.325	1.153	1.142	1.154	1.256	8.22
7)	S	Phenol-d6		1.391	1.392	1.523	1.491	1.433	1.543	1.485	1.465	4.15
8)		2-Chlorophenol		1.180	1.191	1.250	1.218	1.174	1.239	1.199	1.207	2.42
9)		Benzaldehyde		0.873	0.830	0.838	0.750	0.712	0.701	0.561	0.752	14.25
10)	C	Phenol		1.376	1.370	1.482	1.441	1.394	1.496	1.451	1.430	3.56
11)		bis(2-Chloroet...		1.113	1.084	1.147	1.135	1.096	1.160	1.114	1.121	2.45
12)		1,3-Dichlorobe...		1.417	1.391	1.475	1.438	1.418	1.441	1.409	1.427	1.90
13)	C	1,4-Dichlorobe...		1.418	1.399	1.488	1.453	1.412	1.455	1.426	1.436	2.15
14)		1,2-Dichlorobe...		1.348	1.325	1.402	1.374	1.324	1.359	1.334	1.352	2.12
15)		Benzyl Alcohol		0.852	0.857	0.950	0.953	0.904	0.993	0.951	0.923	5.79
16)		2,2'-oxybis(1-...		1.268	1.235	1.312	1.267	1.192	1.261	1.214	1.250	3.18
17)		2-Methylphenol		0.858	0.856	0.916	0.891	0.850	0.920	0.877	0.881	3.29
18)		Hexachloroethane		0.505	0.494	0.520	0.504	0.486	0.501	0.488	0.500	2.32
19)	P	n-Nitroso-di-n...	0.760	0.786	0.783	0.860	0.836	0.793	0.859	0.816	0.812	4.60
20)		3+4-Methylphenols		1.140	1.142	1.246	1.224	1.170	1.272	1.215	1.201	4.31
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.463	0.477	0.496	0.498	0.482	0.494	0.493	0.486	2.64
23)	S	Nitrobenzene-d5		0.335	0.344	0.366	0.368	0.361	0.370	0.371	0.359	3.96
24)		Nitrobenzene		0.329	0.329	0.354	0.356	0.345	0.353	0.354	0.346	3.49
25)		Isophorone		0.569	0.568	0.613	0.616	0.598	0.628	0.620	0.602	4.05
26)	C	2-Nitrophenol		0.162	0.165	0.183	0.189	0.190	0.197	0.197	0.183	7.91
27)		2,4-Dimethylph...		0.185	0.194	0.208	0.213	0.212	0.221	0.221	0.208	6.48
28)		bis(2-Chloroet...		0.386	0.386	0.411	0.410	0.399	0.415	0.412	0.403	3.08
29)	C	2,4-Dichloroph...		0.319	0.320	0.348	0.353	0.349	0.364	0.364	0.345	5.45
30)		1,2,4-Trichlor...		0.386	0.380	0.401	0.404	0.399	0.412	0.413	0.399	3.11
31)		Naphthalene		1.004	0.990	1.045	1.042	1.019	1.050	1.045	1.028	2.32
32)		Benzoic acid			0.109	0.175	0.230	0.240	0.283	0.283	0.220	30.63
33)		4-Chloroaniline		0.348	0.351	0.376	0.380	0.359	0.359	0.366	0.363	3.34
34)	C	Hexachlorobuta...		0.238	0.236	0.245	0.249	0.249	0.255	0.258	0.247	3.33
35)		Caprolactam		0.093	0.089	0.100	0.102	0.099	0.107	0.104	0.099	6.29
36)	C	4-Chloro-3-met...		0.277	0.276	0.305	0.309	0.303	0.326	0.321	0.302	6.41
37)		2-Methylnaphth...		0.683	0.685	0.729	0.734	0.721	0.762	0.755	0.724	4.23
38)		1-Methylnaphth...		0.680	0.659	0.711	0.713	0.703	0.739	0.732	0.705	3.97

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM040825.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.664	0.662	0.697	0.706	0.711	0.721	0.737	0.700	4.02
41)	P	Hexachlorocycl...	0.214	0.223	0.247	0.264	0.260	0.258	0.251	0.245	7.86
42)	S	2,4,6-Tribromo...	0.258	0.255	0.280	0.294	0.298	0.323	0.328	0.291	9.94
43)	C	2,4,6-Trichlor...	0.417	0.420	0.444	0.459	0.449	0.459	0.468	0.445	4.46
44)		2,4,5-Trichlor...	0.465	0.452	0.472	0.500	0.483	0.504	0.510	0.484	4.52
45)	S	2-Fluorobiphenyl	1.425	1.414	1.499	1.515	1.486	1.482	1.504	1.475	2.68
46)		1,1'-Biphenyl	1.451	1.429	1.514	1.528	1.480	1.490	1.515	1.487	2.45
47)		2-Chloronaphth...	1.140	1.144	1.188	1.194	1.163	1.162	1.189	1.169	1.88
48)		2-Nitroaniline	0.232	0.242	0.272	0.283	0.281	0.286	0.295	0.270	8.83
49)		Acenaphthylene	1.627	1.613	1.718	1.742	1.711	1.735	1.768	1.702	3.46
50)		Dimethylphthalate	1.366	1.331	1.430	1.438	1.411	1.446	1.455	1.411	3.27
51)		2,6-Dinitrotol...	0.249	0.265	0.303	0.310	0.305	0.317	0.320	0.296	9.38
52)	C	Acenaphthene	1.027	1.023	1.089	1.113	1.089	1.110	1.127	1.083	3.83
53)		3-Nitroaniline	0.236	0.253	0.290	0.310	0.295	0.295	0.321	0.286	10.64
54)	P	2,4-Dinitrophenol		0.097	0.148	0.184	0.194	0.212	0.216	0.175	26.04
55)		Dibenzofuran	1.737	1.709	1.821	1.845	1.815	1.862	1.879	1.810	3.52
56)	P	4-Nitrophenol	0.195	0.213	0.257	0.270	0.273	0.286	0.288	0.255	14.34
57)		2,4-Dinitrotol...	0.309	0.333	0.395	0.421	0.420	0.440	0.443	0.394	13.45
58)		Fluorene	1.354	1.335	1.450	1.481	1.456	1.489	1.505	1.439	4.67
59)		2,3,4,6-Tetrac...	0.418	0.397	0.416	0.427	0.420	0.440	0.452	0.424	4.21
60)		Diethylphthalate	1.311	1.270	1.378	1.390	1.347	1.378	1.397	1.353	3.46
61)		4-Chlorophenyl...	0.699	0.694	0.761	0.789	0.791	0.830	0.836	0.771	7.43
62)		4-Nitroaniline	0.227	0.247	0.301	0.320	0.316	0.327	0.331	0.295	14.02
63)		Azobenzene	1.077	1.085	1.185	1.202	1.167	1.192	1.200	1.158	4.67
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.094	0.119	0.132	0.133	0.138	0.140	0.126	13.60
66)	c	n-Nitrosodiphe...	0.561	0.578	0.606	0.619	0.602	0.610	0.614	0.599	3.54
67)		4-Bromophenyl-...	0.212	0.212	0.227	0.239	0.237	0.247	0.252	0.232	6.83
68)		Hexachlorobenzene	0.249	0.250	0.262	0.273	0.268	0.279	0.284	0.266	5.08
69)		Atrazine	0.186	0.177	0.142	0.130	0.142		0.155		15.89
70)	C	Pentachlorophenol	0.181	0.186	0.191	0.204	0.197	0.204	0.210	0.196	5.46
71)		Phenanthrene	1.031	1.030	1.095	1.133	1.104	1.135	1.147	1.096	4.41
72)		Anthracene	0.997	1.004	1.074	1.125	1.099	1.125	1.140	1.081	5.41
73)		Carbazole	0.922	0.952	1.024	1.059	1.038	1.060	1.071	1.018	5.69
74)		Di-n-butylphth...	1.119	1.120	1.189	1.216	1.176	1.191	1.196	1.172	3.22
75)	C	Fluoranthene	1.187	1.206	1.310	1.387	1.395	1.463	1.488	1.348	8.78
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.319	0.260	0.205	0.403	0.163	0.150	0.357	0.265	36.93
78)		Pyrene	1.310	1.280	1.395	1.408	1.393	1.419	1.443	1.378	4.35
79)	S	Terphenyl-d14	0.988	1.004	1.139	1.187	1.142	1.007	1.004	1.067	7.91
80)		Butylbenzylpht...	0.502	0.500	0.537	0.536	0.511	0.516	0.523	0.518	2.88
81)		Benzo(a)anthra...	1.237	1.226	1.335	1.362	1.345	1.391	1.408	1.329	5.38
82)		3,3'-Dichlorob...	0.428	0.450	0.492	0.526	0.516	0.538	0.565	0.502	9.74
83)		Chrysene	1.179	1.173	1.261	1.292	1.277	1.318	1.346	1.264	5.21
84)		Bis(2-ethylhex...	0.758	0.747	0.790	0.783	0.740	0.727	0.737	0.755	3.16
85)	c	Di-n-octyl pht...	1.291	1.287	1.366	1.362	1.307	1.311	1.316	1.320	2.42

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM040825.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.375	1.368	1.480	1.507	1.523	1.577	1.606	1.491	6.16
88)		Benzo(b)fluora...	1.141	1.157	1.223	1.308	1.313	1.379	1.420	1.277	8.40
89)		Benzo(k)fluora...	1.132	1.122	1.209	1.242	1.263	1.336	1.362	1.238	7.46
90)	C	Benzo(a)pyrene	1.011	1.026	1.096	1.130	1.154	1.209	1.230	1.122	7.50
91)		Dibenzo(a,h)an...	1.128	1.128	1.205	1.244	1.258	1.301	1.331	1.228	6.43
92)		Benzo(g,h,i)pe...	1.178	1.179	1.255	1.265	1.269	1.310	1.328	1.255	4.65

(#) = Out of Range

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Apr 15 04:48:42 2025
Response Via : Initial Calibration

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

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

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

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

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

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

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

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

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

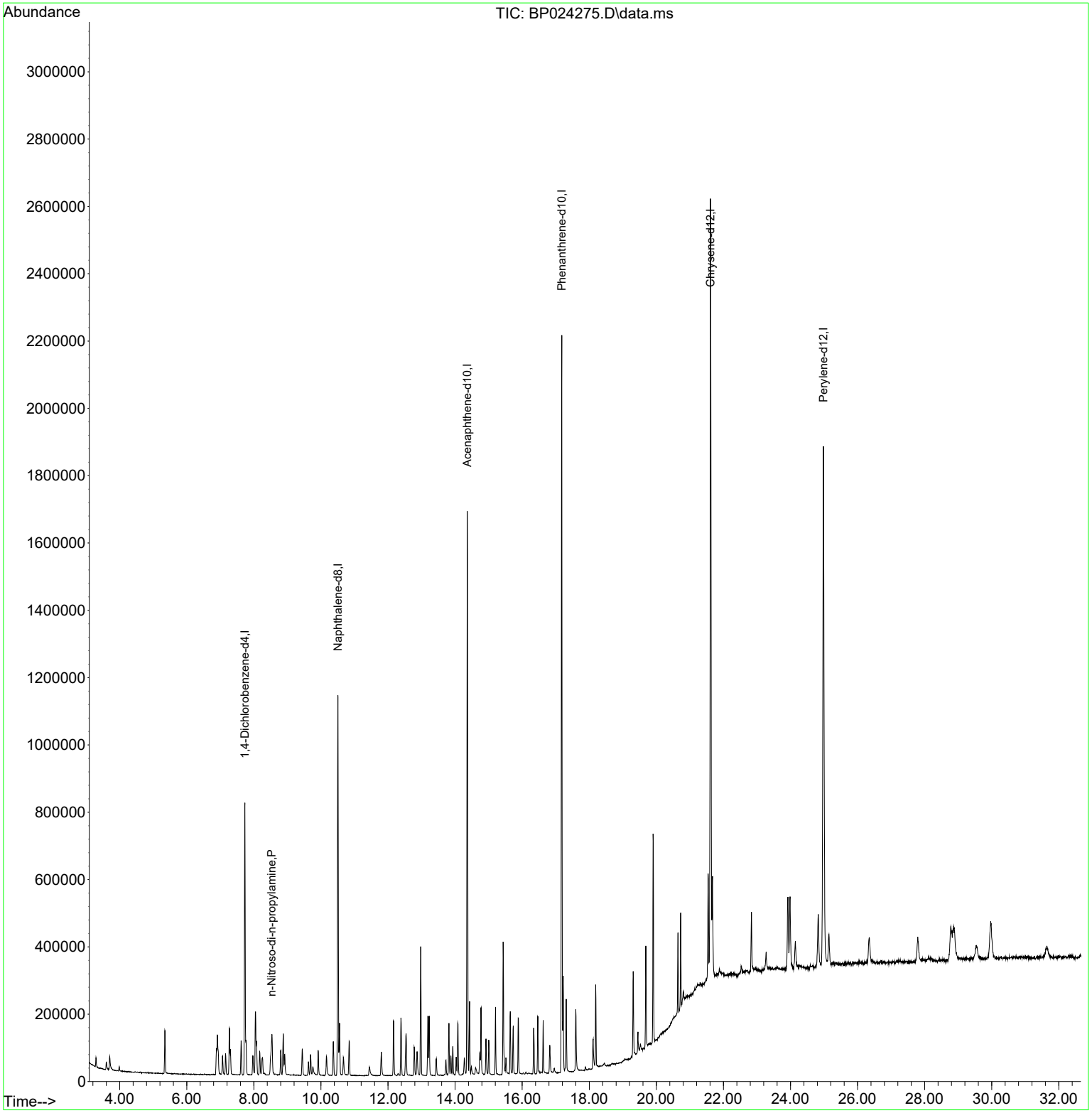
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

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



ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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

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

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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

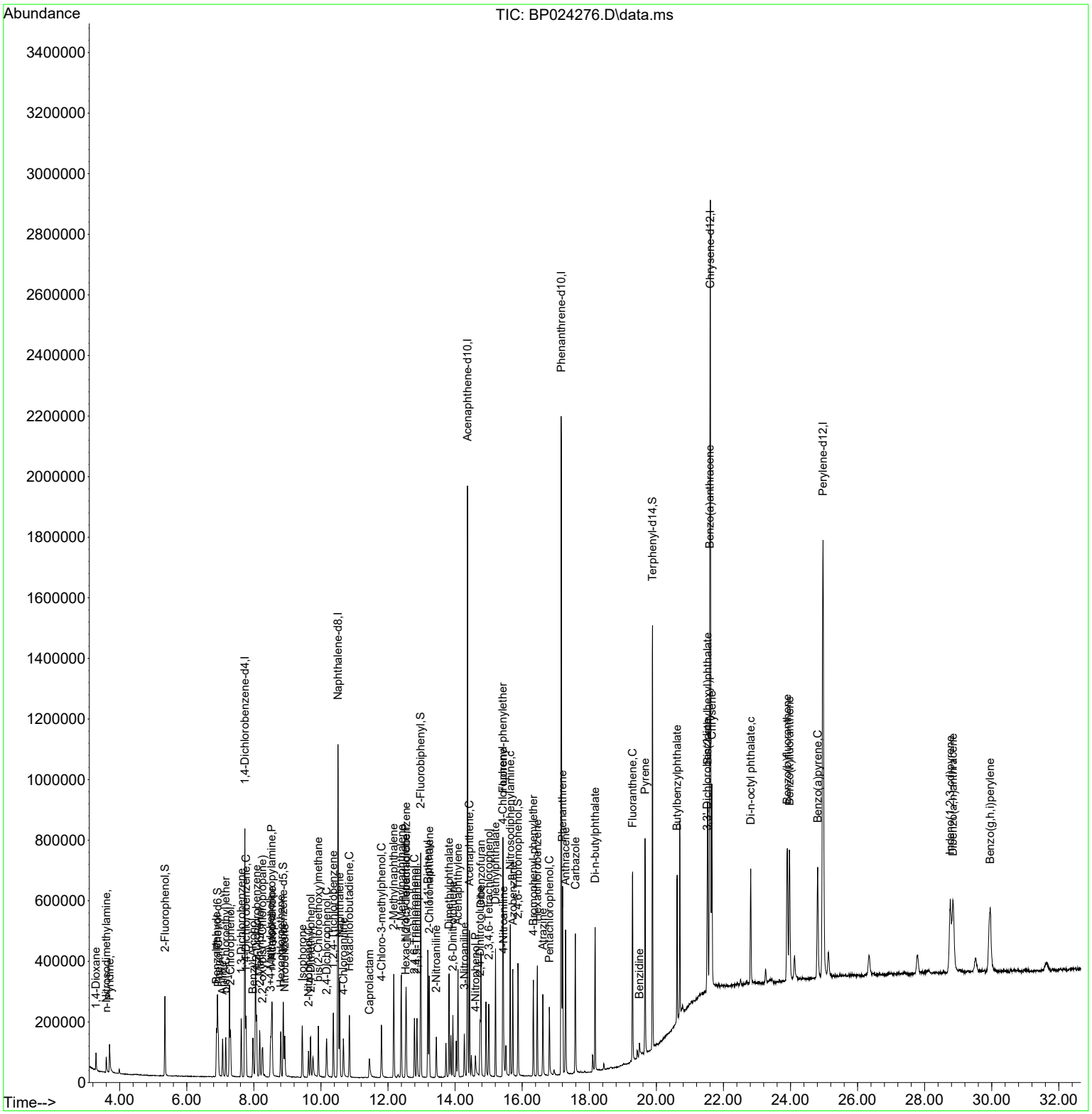
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	1,1'-Biphenyl	13.187	154	221653	4.922	ng		99
47)	2-Chloronaphthalene	13.234	162	162099	4.824	ng		99
48)	2-Nitroaniline	13.440	65	38152	4.111	ng		90
49)	Acenaphthylene	14.087	152	244566	4.637	ng		99
50)	Dimethylphthalate	13.822	163	217848	4.897	ng	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

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

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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



ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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

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

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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

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

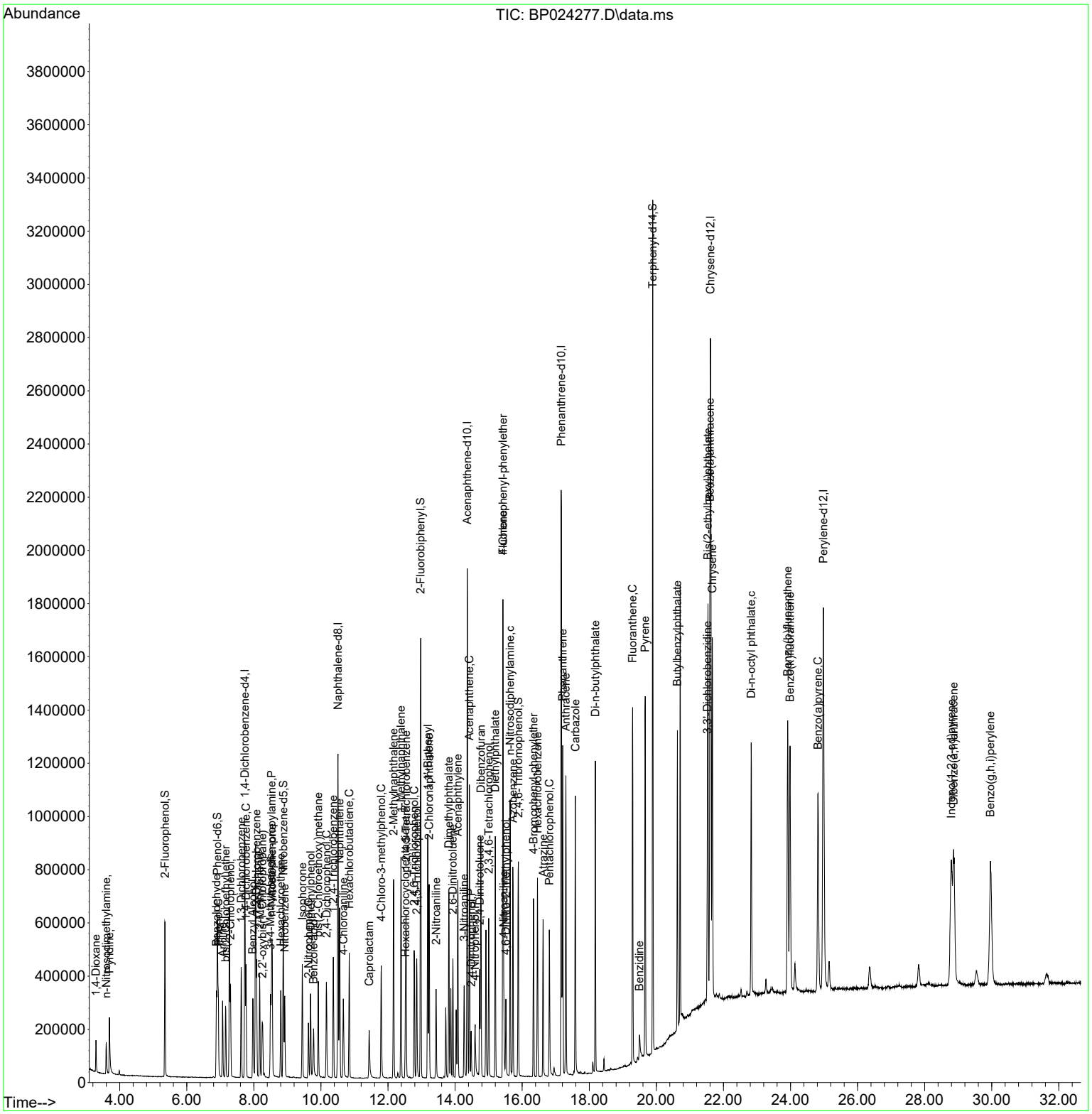
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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

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

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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

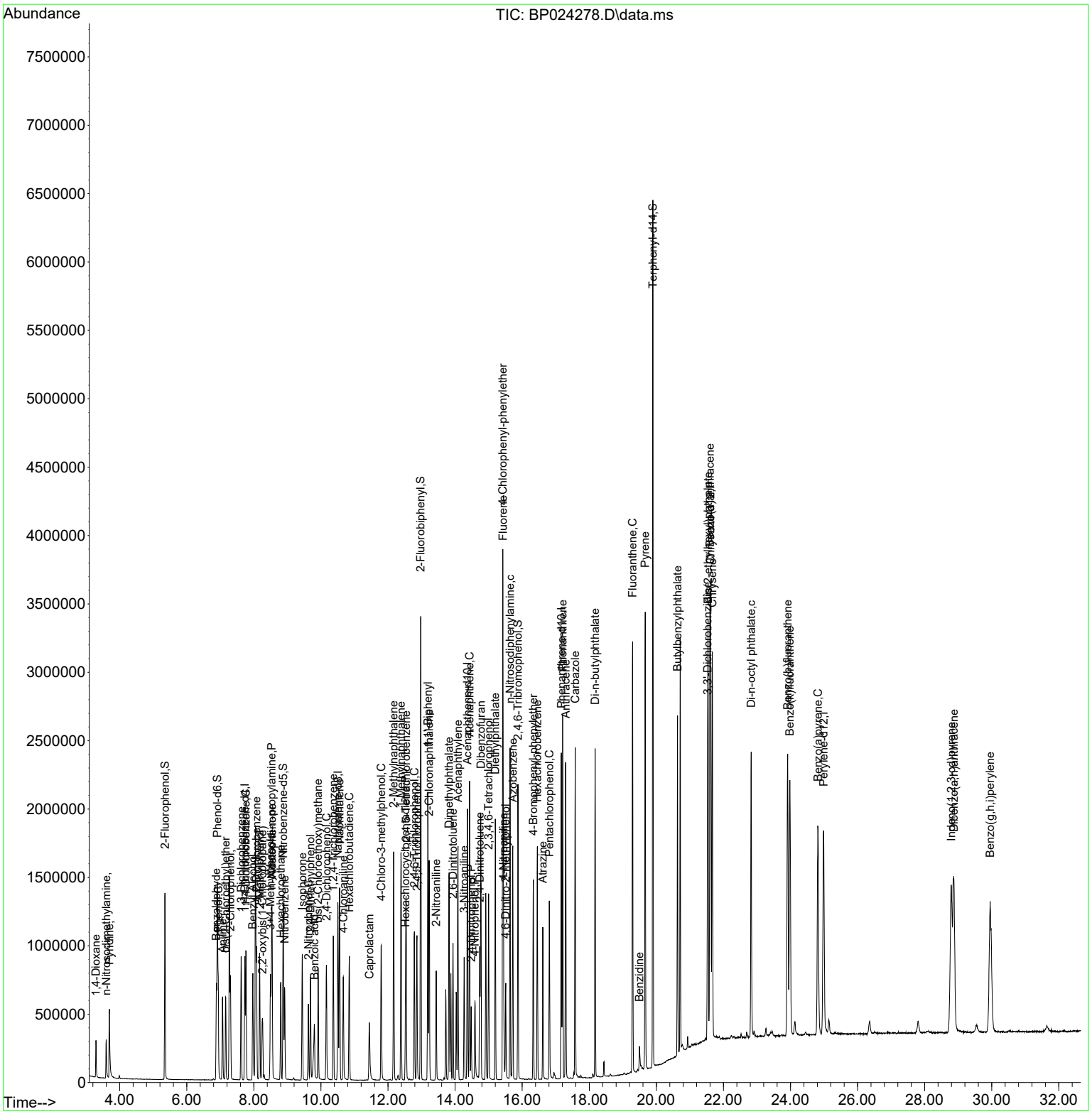
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.863	196	281887	20.424	ng	99
46) 1,1'-Biphenyl	13.187	154	1052618	20.694	ng	100
47) 2-Chloronaphthalene	13.228	162	782040	20.603	ng	99
48) 2-Nitroaniline	13.440	65	218194	20.811	ng	99
49) Acenaphthylene	14.087	152	1234728	20.726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

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

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024279.D
Acq On : 14 Apr 2025 13:49
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Apr 14 17:26:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	246363	20.000	ng	0.00
21) Naphthalene-d8	10.505	136	1046876	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	657357	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1277198	20.000	ng	0.00
76) Chrysene-d12	21.622	240	1349860	20.000	ng	0.00
86) Perylene-d12	24.986	264	1485135	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	1236220	82.813	ng	0.00
7) Phenol-d6	6.916	99	1722202	84.332	ng	0.00
23) Nitrobenzene-d5	8.875	82	1540790	83.791	ng	0.00
42) 2,4,6-Tribromophenol	15.881	330	759528	84.379	ng	0.00
45) 2-Fluorobiphenyl	12.969	172	3591010	82.939	ng	0.00
79) Terphenyl-d14	19.898	244	5570563	82.266	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.293	88	252519	39.624	ng	100
3) Pyridine	3.693	79	687730	41.457	ng	100
4) n-Nitrosodimethylamine	3.599	42	225273	40.725	ng	100
6) Aniline	7.069	93	781907	42.413	ng	100
8) 2-Chlorophenol	7.305	128	689257	41.317	ng	100
9) Benzaldehyde	6.881	77	411846	38.937	ng	100
10) Phenol	6.940	94	862244	42.050	ng	100
11) bis(2-Chloroethyl)ether	7.164	93	688989	41.581	ng	100
12) 1,3-Dichlorobenzene	7.622	146	732329	40.516	ng	100
13) 1,4-Dichlorobenzene	7.763	146	736270	40.171	ng	100
14) 1,2-Dichlorobenzene	8.081	146	711951	40.172	ng	100
15) Benzyl Alcohol	7.969	79	570437	43.581	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.252	45	746041	41.386	ng	100
17) 2-Methylphenol	8.169	107	561621	42.503	ng	100
18) Hexachloroethane	8.799	117	266915	40.349	ng	100
19) n-Nitroso-di-n-propyla...	8.528	70	533912	42.092	ng	100
20) 3+4-Methylphenols	8.499	107	784336	42.854	ng	100
22) Acetophenone	8.546	105	1086788	41.770	ng	100
24) Nitrobenzene	8.922	77	762756	41.852	ng	100
25) Isophorone	9.440	82	1408146	42.419	ng	100
26) 2-Nitrophenol	9.628	139	383751	43.852	ng	100
27) 2,4-Dimethylphenol	9.687	122	472488	42.600	ng	100
28) bis(2-Chloroethoxy)met...	9.922	93	947250	41.926	ng	100
29) 2,4-Dichlorophenol	10.157	162	645849	42.725	ng	100
30) 1,2,4-Trichlorobenzene	10.369	180	671264	41.046	ng	100
31) Naphthalene	10.557	128	2258924	40.765	ng	100
32) Benzoic acid	9.828	122	506813	42.286	ng	100
33) 4-Chloroaniline	10.669	127	830870	42.913	ng	100
34) Hexachlorobutadiene	10.846	225	394737	41.146	ng	100
35) Caprolactam	11.452	113	234519	42.256	ng	100
36) 4-Chloro-3-methylphenol	11.793	107	747541	42.438	ng	100
37) 2-Methylnaphthalene	12.163	142	1580497	41.154	ng	100
38) 1-Methylnaphthalene	12.381	142	1530982	40.695	ng	100
40) 1,2,4,5-Tetrachloroben...	12.540	216	757748	41.945	ng	100
41) Hexachlorocyclopentadiene	12.522	237	286135	45.116	ng	100
43) 2,4,6-Trichlorophenol	12.781	196	511566	43.038	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024279.D
Acq On : 14 Apr 2025 13:49
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Apr 14 17:26:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.857	196	561631	42.637	ng	100
46) 1,1'-Biphenyl	13.187	154	2010029	41.404	ng	100
47) 2-Chloronaphthalene	13.228	162	1497152	41.328	ng	100
48) 2-Nitroaniline	13.434	65	434050	43.377	ng	100
49) Acenaphthylene	14.081	152	2384785	41.944	ng	100
50) Dimethylphthalate	13.822	163	1965142	40.976	ng	100
51) 2,6-Dinitrotoluene	13.934	165	427248	42.283	ng	100
52) Acenaphthene	14.434	154	1480526	40.947	ng	100
53) 3-Nitroaniline	14.269	138	465347	44.389	ng	100
54) 2,4-Dinitrophenol	14.481	184	244714	45.231	ng	100
55) Dibenzofuran	14.775	168	2409526	40.633	ng	100
56) 4-Nitrophenol	14.593	139	401591	44.564	ng	100
57) 2,4-Dinitrotoluene	14.734	165	588798	43.110	ng	100
58) Fluorene	15.434	166	1838264	40.150	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.004	232	511714	41.987	ng	100
60) Diethylphthalate	15.204	149	2037863	41.286	ng	100
61) 4-Chlorophenyl-phenyle...	15.428	204	894350	40.226	ng	100
62) 4-Nitroaniline	15.457	138	485622	43.693	ng	100
63) Azobenzene	15.728	77	1881773	41.392	ng	100
65) 4,6-Dinitro-2-methylph...	15.510	198	335347	44.938	ng	100
66) n-Nitrosodiphenylamine	15.651	169	1609251	42.021	ng	100
67) 4-Bromophenyl-phenylether	16.340	248	587416	42.165	ng	100
68) Hexachlorobenzene	16.457	284	692546	41.815	ng	100
69) Atrazine	16.622	200	308618	31.786	ng	100
70) Pentachlorophenol	16.810	266	499858	43.955	ng	100
71) Phenanthrene	17.210	178	2879498	41.121	ng	100
72) Anthracene	17.304	178	2838724	42.130	ng	100
73) Carbazole	17.587	167	2770072	42.242	ng	100
74) Di-n-butylphthalate	18.175	149	3571220	43.708	ng	100
75) Fluoranthene	19.298	202	3441282	41.404	ng	100
77) Benzidine	19.498	184	1178258	70.714	ng	100
78) Pyrene	19.669	202	3523104	40.790	ng	100
80) Butylbenzylphthalate	20.628	149	1607881	44.158	ng	100
81) Benzo(a)anthracene	21.598	228	3489938	41.472	ng	100
82) 3,3'-Dichlorobenzidine	21.522	252	1311770	44.953	ng	100
83) Chrysene	21.675	228	3274153	40.596	ng	100
84) Bis(2-ethylhexyl)phtha...	21.539	149	2411998	44.979	ng	100
85) Di-n-octyl phthalate	22.827	149	3943939	45.913	ng	100
87) Indeno(1,2,3-cd)pyrene	28.809	276	4288630	41.987	ng	100
88) Benzo(b)fluoranthene	23.927	252	3737035	42.058	ng	100
89) Benzo(k)fluoranthene	23.992	252	3600626	41.753	ng	100
90) Benzo(a)pyrene	24.833	252	3240684	42.369	ng	100
91) Dibenzo(a,h)anthracene	28.904	278	3573562	42.061	ng	100
92) Benzo(g,h,i)perylene	29.986	276	3617069	41.826	ng	100

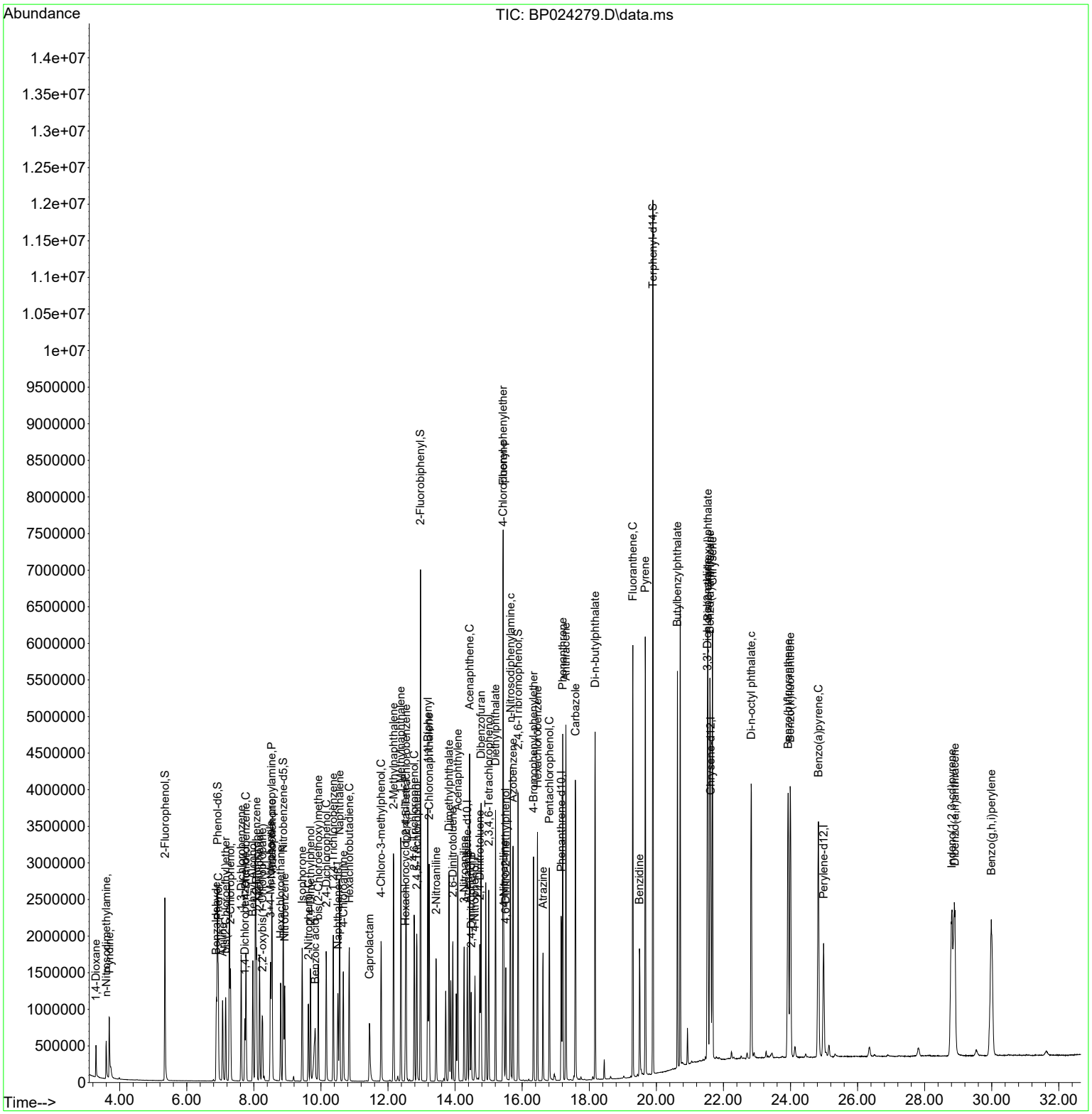
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024279.D
Acq On : 14 Apr 2025 13:49
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Apr 14 17:26:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024280.D
Acq On : 14 Apr 2025 15:10
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Apr 14 17:26:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.734	152	277364	20.000	ng		0.00
21) Naphthalene-d8	10.504	136	1176925	20.000	ng		0.00
39) Acenaphthene-d10	14.363	164	760235	20.000	ng		0.00
64) Phenanthrene-d10	17.163	188	1505097	20.000	ng		0.00
76) Chrysene-d12	21.616	240	1527193	20.000	ng		0.00
86) Perylene-d12	24.986	264	1706545	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.352	112	1677842	99.834	ng		0.00
7) Phenol-d6	6.916	99	2353543	102.366	ng		0.00
23) Nitrobenzene-d5	8.881	82	2100100	101.588	ng		0.00
42) 2,4,6-Tribromophenol	15.881	330	1098486	105.521	ng		0.00
45) 2-Fluorobiphenyl	12.975	172	4800845	95.877	ng		0.00
79) Terphenyl-d14	19.898	244	7671902	100.142	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	333474	46.479	ng		100
3) Pyridine	3.687	79	924382m	49.495	ng		
4) n-Nitrosodimethylamine	3.593	42	306279	49.180	ng		99
6) Aniline	7.075	93	972988	46.879	ng		100
8) 2-Chlorophenol	7.310	128	942078	50.160	ng		99
9) Benzaldehyde	6.887	77	507606	42.627	ng		97
10) Phenol	6.946	94	1177623	51.012	ng		99
11) bis(2-Chloroethyl)ether	7.163	93	915679	49.085	ng		100
12) 1,3-Dichlorobenzene	7.622	146	972089	47.770	ng		100
13) 1,4-Dichlorobenzene	7.769	146	995872	48.262	ng		99
14) 1,2-Dichlorobenzene	8.087	146	944314	47.327	ng		99
15) Benzyl Alcohol	7.975	79	791998	53.745	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.257	45	973910	47.988	ng		99
17) 2-Methylphenol	8.175	107	766536	51.526	ng		100
18) Hexachloroethane	8.805	117	360999	48.472	ng		98
19) n-Nitroso-di-n-propyla...	8.534	70	722064	50.562	ng		98
20) 3+4-Methylphenols	8.505	107	1086273	52.718	ng		99
22) Acetophenone	8.546	105	1441728	49.289	ng	#	99
24) Nitrobenzene	8.922	77	1025983	50.074	ng		99
25) Isophorone	9.446	82	1913172	51.264	ng		99
26) 2-Nitrophenol	9.622	139	541332	55.024	ng		98
27) 2,4-Dimethylphenol	9.687	122	662183	53.106	ng		99
28) bis(2-Chloroethoxy)met...	9.922	93	1265001	49.803	ng		100
29) 2,4-Dichlorophenol	10.157	162	904519	53.225	ng		100
30) 1,2,4-Trichlorobenzene	10.369	180	908732	49.426	ng		98
31) Naphthalene	10.557	128	3049887	48.957	ng		100
32) Benzoic acid	9.851	122	794832	58.988	ng		99
33) 4-Chloroaniline	10.669	127	1110772	51.030	ng		99
34) Hexachlorobutadiene	10.840	225	533336	49.450	ng		99
35) Caprolactam	11.463	113	339834	54.466	ng		100
36) 4-Chloro-3-methylphenol	11.798	107	1046795	52.860	ng		99
37) 2-Methylnaphthalene	12.169	142	2156247	49.942	ng		99
38) 1-Methylnaphthalene	12.393	142	2095184	49.538	ng		99
40) 1,2,4,5-Tetrachloroben...	12.540	216	1034638	49.522	ng		99
41) Hexachlorocyclopentadiene	12.522	237	378578	51.614	ng		99
43) 2,4,6-Trichlorophenol	12.787	196	732902	53.315	ng		96

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024280.D
Acq On : 14 Apr 2025 15:10
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Apr 14 17:26:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

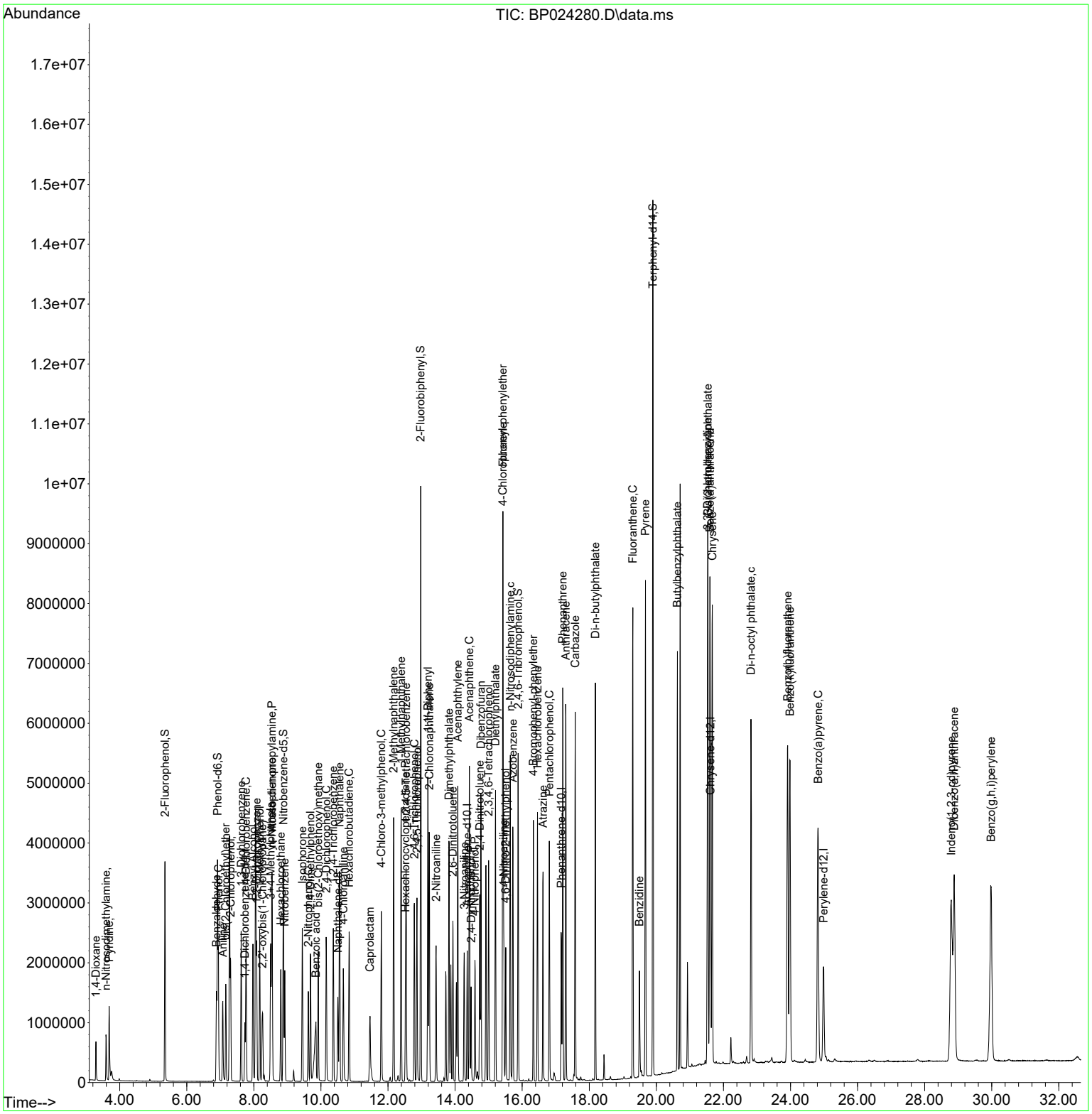
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.863	196	814885	53.491	ng	98
46) 1,1'-Biphenyl	13.187	154	2725840	48.551	ng	99
47) 2-Chloronaphthalene	13.234	162	2062098	49.220	ng	100
48) 2-Nitroaniline	13.434	65	616599	53.282	ng	98
49) Acenaphthylene	14.081	152	3279666	49.877	ng	100
50) Dimethylphthalate	13.822	163	2775759	50.046	ng	100
51) 2,6-Dinitrotoluene	13.934	165	606525	51.903	ng	98
52) Acenaphthene	14.428	154	2054333	49.128	ng	100
53) 3-Nitroaniline	14.275	138	649071	53.536	ng	98
54) 2,4-Dinitrophenol	14.481	184	373165	59.640	ng	99
55) Dibenzofuran	14.769	168	3318798	48.392	ng	100
56) 4-Nitrophenol	14.592	139	581023	55.750	ng	97
57) 2,4-Dinitrotoluene	14.734	165	839701	53.160	ng	99
58) Fluorene	15.428	166	2599105	49.085	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.998	232	734741	52.128	ng	100
60) Diethylphthalate	15.204	149	2849294	49.914	ng	100
61) 4-Chlorophenyl-phenyle...	15.422	204	1267291	49.287	ng	99
62) 4-Nitroaniline	15.451	138	691081	53.764	ng	96
63) Azobenzene	15.722	77	2632843	50.076	ng	99
65) 4,6-Dinitro-2-methylph...	15.510	198	503765	57.285	ng	97
66) n-Nitrosodiphenylamine	15.645	169	2225475	49.312	ng	100
67) 4-Bromophenyl-phenylether	16.334	248	827245	50.389	ng	99
68) Hexachlorobenzene	16.457	284	983768	50.405	ng	98
69) Atrazine	16.622	200	610479	53.356	ng	100
70) Pentachlorophenol	16.810	266	739779	55.203	ng	99
71) Phenanthrene	17.210	178	4024282	48.768	ng	100
72) Anthracene	17.298	178	3960913	49.883	ng	100
73) Carbazole	17.581	167	3814743	49.364	ng	100
74) Di-n-butylphthalate	18.180	149	4930617	51.208	ng	100
75) Fluoranthene	19.298	202	4815021	49.160	ng	99
77) Benzidine	19.498	184	1272924	67.525	ng	99
78) Pyrene	19.675	202	4942328	50.577	ng	100
80) Butylbenzylphthalate	20.627	149	2215843	53.788	ng	97
81) Benzo(a)anthracene	21.598	228	4711301	49.485	ng	99
82) 3,3'-Dichlorobenzidine	21.527	252	1768950	53.582	ng	99
83) Chrysene	21.669	228	4480150	49.099	ng	100
84) Bis(2-ethylhexyl)phtha...	21.539	149	3256722	53.679	ng	99
85) Di-n-octyl phthalate	22.821	149	5458484	56.166	ng	99
87) Indeno(1,2,3-cd)pyrene	28.792	276	5977144m	50.926	ng	
88) Benzo(b)fluoranthene	23.915	252	5102465	49.975	ng	99
89) Benzo(k)fluoranthene	23.986	252	4923203	49.683	ng	99
90) Benzo(a)pyrene	24.821	252	4490517	51.093	ng	100
91) Dibenzo(a,h)anthracene	28.880	278	4987219	51.084	ng	98
92) Benzo(g,h,i)perylene	29.980	276	5033807	50.656	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024280.D
Acq On : 14 Apr 2025 15:10
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Apr 14 17:26:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024281.D
Acq On : 14 Apr 2025 16:32
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Apr 14 17:27:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.728	152	283549	20.000	ng		0.00
21) Naphthalene-d8	10.510	136	1206231	20.000	ng		0.00
39) Acenaphthene-d10	14.363	164	777459	20.000	ng		0.00
64) Phenanthrene-d10	17.169	188	1536805	20.000	ng		0.00
76) Chrysene-d12	21.621	240	1596148	20.000	ng		0.00
86) Perylene-d12	24.986	264	1858365	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.352	112	2173071	126.481	ng		0.00
7) Phenol-d6	6.916	99	3009690	128.049	ng		0.00
23) Nitrobenzene-d5	8.881	82	2579126	121.729	ng		0.00
42) 2,4,6-Tribromophenol	15.881	330	1382037	129.818	ng		0.00
45) 2-Fluorobiphenyl	12.975	172	5835791	113.964	ng		0.00
79) Terphenyl-d14	19.898	244	9228969	115.262	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	417124	56.869	ng		100
3) Pyridine	3.687	79	1176097m	61.599	ng		
4) n-Nitrosodimethylamine	3.599	42	391176	61.443	ng		99
6) Aniline	7.069	93	1214636	57.245	ng		100
8) 2-Chlorophenol	7.305	128	1190812	62.021	ng		99
9) Benzaldehyde	6.881	77	617878	50.755	ng		99
10) Phenol	6.946	94	1513303	64.123	ng		99
11) bis(2-Chloroethyl)ether	7.163	93	1155297	60.579	ng		100
12) 1,3-Dichlorobenzene	7.622	146	1218832	58.589	ng		100
13) 1,4-Dichlorobenzene	7.763	146	1244205	58.981	ng		100
14) 1,2-Dichlorobenzene	8.081	146	1199988	58.830	ng		100
15) Benzyl Alcohol	7.975	79	1002308	66.533	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.257	45	1187992	57.259	ng		99
17) 2-Methylphenol	8.175	107	978531	64.342	ng		99
18) Hexachloroethane	8.804	117	453349	59.545	ng		98
19) n-Nitroso-di-n-propyla...	8.534	70	883042	60.486	ng		99
20) 3+4-Methylphenols	8.499	107	1367005	64.895	ng		99
22) Acetophenone	8.546	105	1792666	59.797	ng	#	99
24) Nitrobenzene	8.922	77	1276229	60.775	ng		100
25) Isophorone	9.446	82	2365423	61.842	ng		99
26) 2-Nitrophenol	9.628	139	690735	68.504	ng		99
27) 2,4-Dimethylphenol	9.693	122	826335	64.660	ng		98
28) bis(2-Chloroethoxy)met...	9.922	93	1539129	59.124	ng		99
29) 2,4-Dichlorophenol	10.157	162	1124170	64.543	ng		99
30) 1,2,4-Trichlorobenzene	10.369	180	1138896	60.440	ng		99
31) Naphthalene	10.557	128	3790924	59.373	ng		99
32) Benzoic acid	9.869	122	1032910m	74.795	ng		
33) 4-Chloroaniline	10.675	127	1372601	61.527	ng		100
34) Hexachlorobutadiene	10.845	225	660129	59.719	ng		99
35) Caprolactam	11.475	113	437691	68.445	ng		99
36) 4-Chloro-3-methylphenol	11.804	107	1314421	64.762	ng		98
37) 2-Methylnaphthalene	12.169	142	2676555	60.487	ng		99
38) 1-Methylnaphthalene	12.387	142	2599119	59.960	ng		100
40) 1,2,4,5-Tetrachloroben...	12.540	216	1281552	59.981	ng		100
41) Hexachlorocyclopentadiene	12.522	237	459486	61.257	ng		99
43) 2,4,6-Trichlorophenol	12.787	196	909999	64.732	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024281.D
Acq On : 14 Apr 2025 16:32
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Apr 14 17:27:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.863	196	1017414	65.306	ng	99
46) 1,1'-Biphenyl	13.187	154	3330176	58.001	ng	99
47) 2-Chloronaphthalene	13.228	162	2542212	59.336	ng	99
48) 2-Nitroaniline	13.439	65	781584	66.042	ng	98
49) Acenaphthylene	14.087	152	4111553	61.143	ng	99
50) Dimethylphthalate	13.828	163	3404463	60.022	ng	100
51) 2,6-Dinitrotoluene	13.939	165	764810	63.998	ng	98
52) Acenaphthene	14.434	154	2516981	58.858	ng	99
53) 3-Nitroaniline	14.275	138	793796	64.022	ng	99
54) 2,4-Dinitrophenol	14.486	184	490497	76.655	ng	97
55) Dibenzofuran	14.775	168	4124640	58.810	ng	100
56) 4-Nitrophenol	14.598	139	754038	70.748	ng	99
57) 2,4-Dinitrotoluene	14.739	165	1079633	66.836	ng	98
58) Fluorene	15.434	166	3184960	58.817	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.004	232	909497	63.097	ng	100
60) Diethylphthalate	15.204	149	3495577	59.879	ng	100
61) 4-Chlorophenyl-phenyle...	15.428	204	1563042	59.442	ng	99
62) 4-Nitroaniline	15.457	138	886163	67.414	ng	98
63) Azobenzene	15.728	77	3229873	60.070	ng	98
65) 4,6-Dinitro-2-methylph...	15.516	198	647253	72.083	ng	94
66) n-Nitrosodiphenylamine	15.651	169	2805137	60.874	ng	100
67) 4-Bromophenyl-phenylether	16.339	248	1038071	61.926	ng	98
68) Hexachlorobenzene	16.457	284	1239550	62.200	ng	97
70) Pentachlorophenol	16.816	266	936562	68.445	ng	100
71) Phenanthrene	17.222	178	4988840	59.209	ng	99
72) Anthracene	17.310	178	4938117	60.907	ng	99
73) Carbazole	17.592	167	4780408	60.584	ng	99
74) Di-n-butylphthalate	18.186	149	6167206	62.730	ng	100
75) Fluoranthene	19.304	202	6009748	60.092	ng	98
77) Benzidine	19.504	184	1446166	73.401	ng	100
78) Pyrene	19.680	202	6250781	61.204	ng	100
80) Butylbenzylphthalate	20.621	149	2840001	65.961	ng	98
81) Benzo(a)anthracene	21.604	228	6002059	60.318	ng	99
82) 3,3'-Dichlorobenzidine	21.521	252	2323294	67.333	ng	100
83) Chrysene	21.674	228	5714775	59.924	ng	99
84) Bis(2-ethylhexyl)phtha...	21.545	149	4153128	65.497	ng	99
85) Di-n-octyl phthalate	22.839	149	7116217	70.060	ng	99
87) Indeno(1,2,3-cd)pyrene	28.821	276	8057576m	63.043	ng	
88) Benzo(b)fluoranthene	23.927	252	6715444	60.400	ng	99
89) Benzo(k)fluoranthene	24.004	252	6500782	60.244	ng	99
90) Benzo(a)pyrene	24.827	252	5964163	62.316	ng	99
91) Dibenzo(a,h)anthracene	28.892	278	6614173	62.214	ng	98
92) Benzo(g,h,i)perylene	30.003	276	6740929	62.294	ng	98

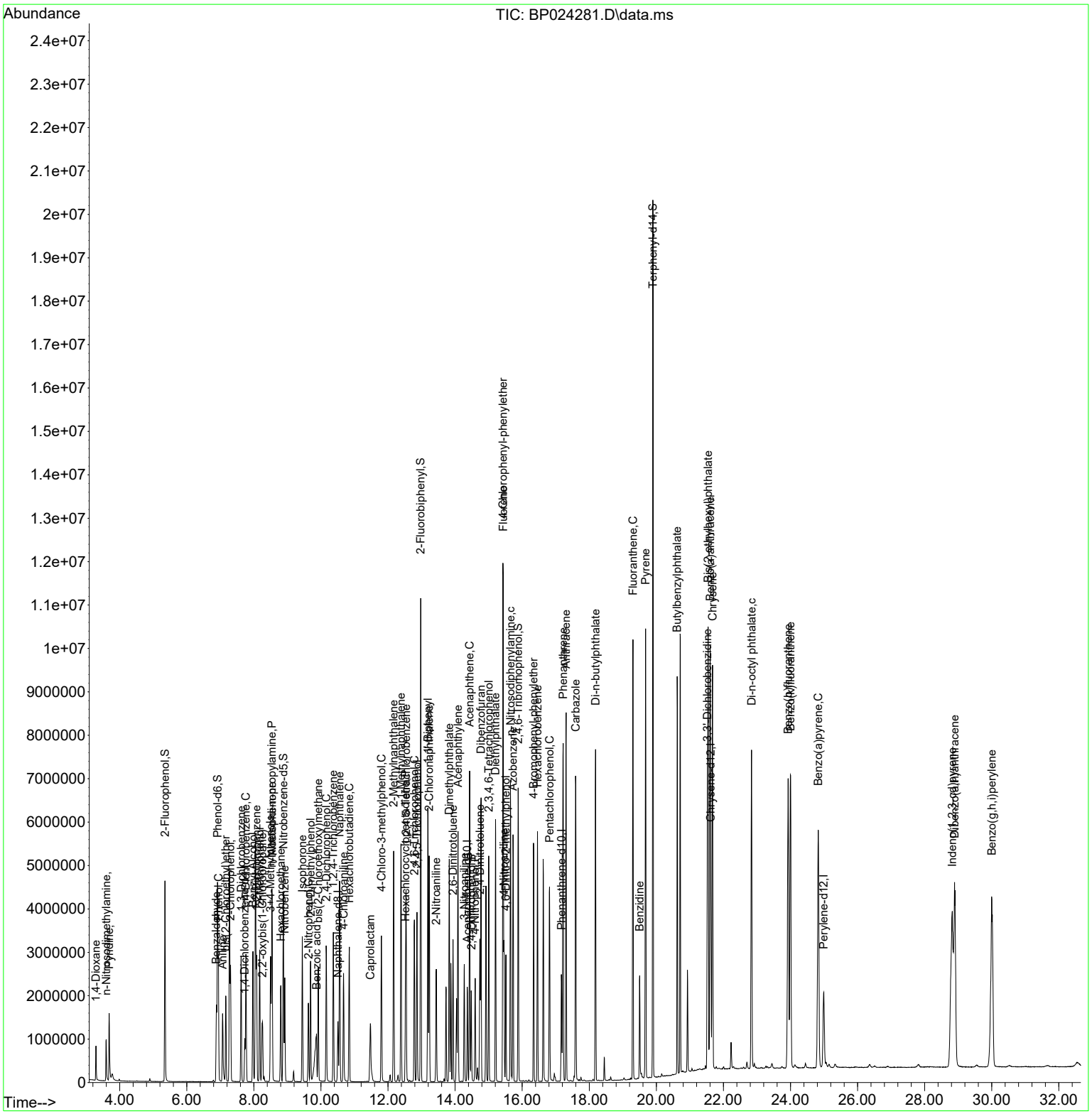
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024281.D
Acq On : 14 Apr 2025 16:32
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Apr 14 17:27:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024282.D
Acq On : 14 Apr 2025 17:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Apr 14 18:14:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.728	152	244732	20.000	ng		0.00
21) Naphthalene-d8	10.504	136	1024316	20.000	ng		0.00
39) Acenaphthene-d10	14.369	164	641442	20.000	ng		0.00
64) Phenanthrene-d10	17.180	188	1279313	20.000	ng		0.02
76) Chrysene-d12	21.621	240	1378105	20.000	ng		0.00
86) Perylene-d12	24.986	264	1583281	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.352	112	2341577	157.905	ng		0.00
7) Phenol-d6	6.916	99	3224074	158.927	ng		0.00
23) Nitrobenzene-d5	8.881	82	2847003	158.236	ng		0.00
42) 2,4,6-Tribromophenol	15.892	330	1507534	171.633	ng		0.01
45) 2-Fluorobiphenyl	12.981	172	6362479	150.596	ng		0.01
79) Terphenyl-d14	19.922	244	10209149	147.678	ng		0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	467234	73.805	ng		99
3) Pyridine	3.687	79	1349044m	81.864	ng		
4) n-Nitrosodimethylamine	3.593	42	434861	79.138	ng		97
6) Aniline	7.069	93	1351337	73.789	ng		100
8) 2-Chlorophenol	7.305	128	1299769	78.433	ng		99
9) Benzaldehyde	6.881	77	608272	57.891	ng		99
10) Phenol	6.946	94	1608027	78.944	ng		98
11) bis(2-Chloroethyl)ether	7.163	93	1272327	77.297	ng		99
12) 1,3-Dichlorobenzene	7.622	146	1344292	74.869	ng		100
13) 1,4-Dichlorobenzene	7.763	146	1369087	75.195	ng		99
14) 1,2-Dichlorobenzene	8.075	146	1310407	74.432	ng		100
15) Benzyl Alcohol	7.975	79	1098602	84.492	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.257	45	1319830	73.704	ng		98
17) 2-Methylphenol	8.175	107	1064555	81.101	ng		100
18) Hexachloroethane	8.799	117	498897	75.920	ng		99
19) n-Nitroso-di-n-propyla...	8.534	70	968278	76.844	ng		99
20) 3+4-Methylphenols	8.499	107	1492527	82.092	ng		99
22) Acetophenone	8.546	105	1977578	77.680	ng	#	100
24) Nitrobenzene	8.922	77	1392093	78.066	ng		98
25) Isophorone	9.446	82	2617853	80.596	ng		99
26) 2-Nitrophenol	9.628	139	760077	88.768	ng		98
27) 2,4-Dimethylphenol	9.693	122	905891	83.475	ng		99
28) bis(2-Chloroethoxy)met...	9.922	93	1689686	76.434	ng		99
29) 2,4-Dichlorophenol	10.157	162	1238253	83.719	ng		99
30) 1,2,4-Trichlorobenzene	10.369	180	1252476	78.272	ng		99
31) Naphthalene	10.557	128	4190486	77.287	ng		100
32) Benzoic acid	9.875	122	1154243m	98.425	ng		
33) 4-Chloroaniline	10.669	127	1547427	81.682	ng		99
34) Hexachlorobutadiene	10.840	225	743811	79.240	ng		99
35) Caprolactam	11.481	113	469910	86.534	ng		98
36) 4-Chloro-3-methylphenol	11.804	107	1438601	83.468	ng		98
37) 2-Methylnaphthalene	12.169	142	2918685	77.673	ng		99
38) 1-Methylnaphthalene	12.393	142	2831173	76.912	ng		100
40) 1,2,4,5-Tetrachloroben...	12.545	216	1416894	80.378	ng		100
41) Hexachlorocyclopentadiene	12.528	237	523136	84.532	ng		99
43) 2,4,6-Trichlorophenol	12.787	196	1000309	86.244	ng		97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024282.D
Acq On : 14 Apr 2025 17:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Apr 14 18:14:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

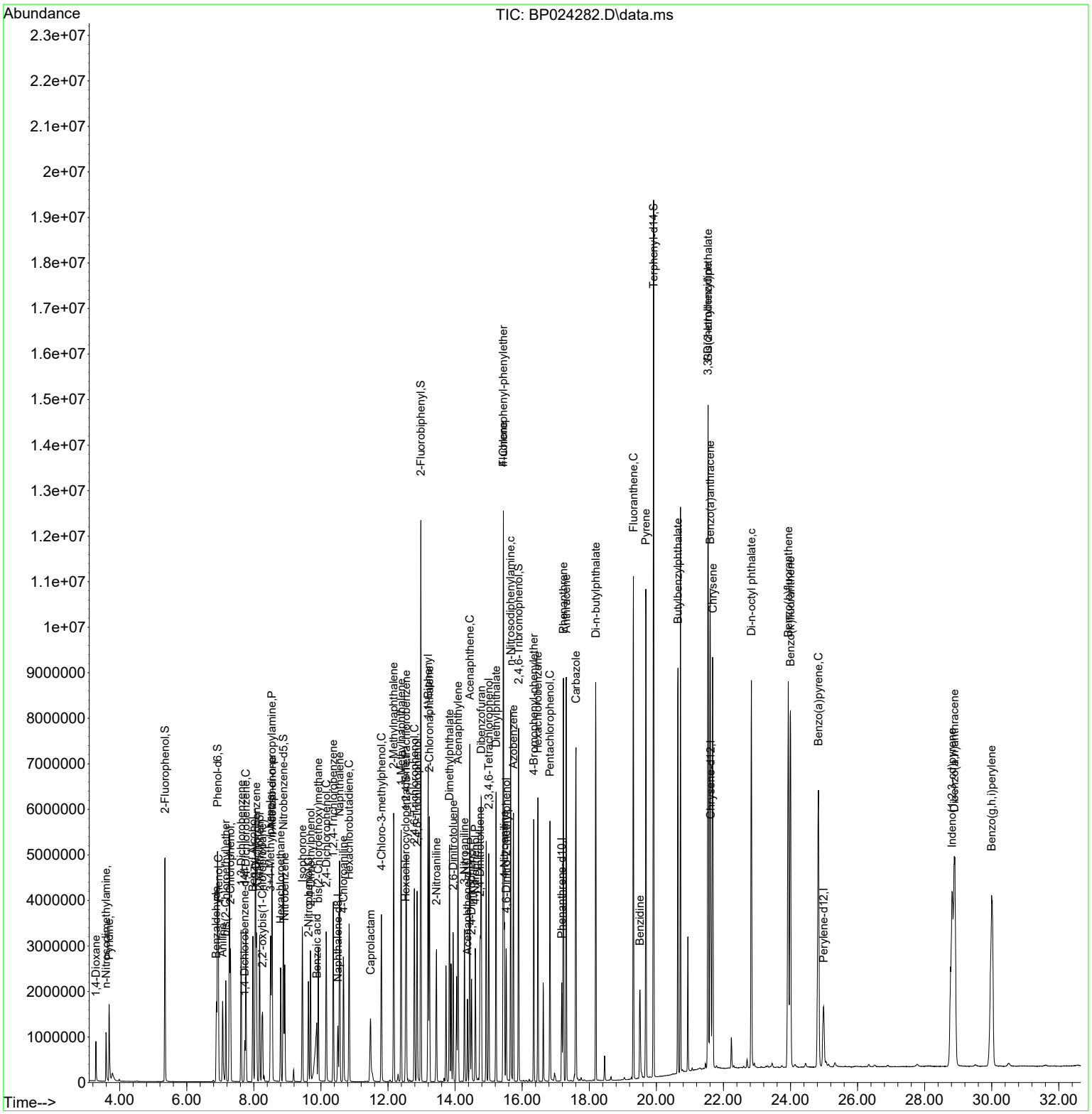
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.869	196	1103073	85.819	ng	98
46) 1,1'-Biphenyl	13.198	154	3665607	77.381	ng	99
47) 2-Chloronaphthalene	13.234	162	2766302	78.257	ng	99
48) 2-Nitroaniline	13.445	65	848619	86.912	ng	98
49) Acenaphthylene	14.087	152	4438648	80.004	ng	100
50) Dimethylphthalate	13.834	163	3659579	78.201	ng	99
51) 2,6-Dinitrotoluene	13.945	165	814314	82.589	ng	98
52) Acenaphthene	14.439	154	2761536	78.270	ng	100
53) 3-Nitroaniline	14.281	138	919775	89.913	ng	99
54) 2,4-Dinitrophenol	14.492	184	541483	102.567	ng	99
55) Dibenzofuran	14.781	168	4420987	76.402	ng	99
56) 4-Nitrophenol	14.604	139	814261	92.599	ng	98
57) 2,4-Dinitrotoluene	14.745	165	1169554	87.755	ng	98
58) Fluorene	15.439	166	3479094	77.873	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.004	232	999335	84.031	ng	100
60) Diethylphthalate	15.222	149	3800651	78.910	ng	99
61) 4-Chlorophenyl-phenyle...	15.439	204	1689620	77.881	ng	100
62) 4-Nitroaniline	15.469	138	965926	89.063	ng	98
63) Azobenzene	15.739	77	3448680	77.741	ng	98
65) 4,6-Dinitro-2-methylph...	15.528	198	705506	94.385	ng	92
66) n-Nitrosodiphenylamine	15.657	169	2970516	77.438	ng	99
67) 4-Bromophenyl-phenylether	16.345	248	1137128	81.488	ng	99
68) Hexachlorobenzene	16.469	284	1347567	81.231	ng	97
70) Pentachlorophenol	16.828	266	1027691	90.221	ng	99
71) Phenanthrene	17.228	178	5415046	77.203	ng	100
72) Anthracene	17.316	178	5270987	78.097	ng	99
73) Carbazole	17.604	167	5275449	80.314	ng	100
74) Di-n-butylphthalate	18.192	149	6569078	80.266	ng	100
75) Fluoranthene	19.316	202	6520527	78.322	ng	99
77) Benzidine	19.510	184	1694694m	99.624	ng	
78) Pyrene	19.686	202	6718789	76.195	ng	100
80) Butylbenzylphthalate	20.645	149	3163633	85.104	ng	96
81) Benzo(a)anthracene	21.604	228	6729971	78.335	ng	99
82) 3,3'-Dichlorobenzidine	21.539	252	2536509	85.143	ng	99
83) Chrysene	21.680	228	6433173	78.130	ng	99
84) Bis(2-ethylhexyl)phtha...	21.545	149	4516949	82.506	ng	98
85) Di-n-octyl phthalate	22.833	149	7969779	90.878	ng	99
87) Indeno(1,2,3-cd)pyrene	28.815	276	9286186	85.280	ng	99
88) Benzo(b)fluoranthene	23.933	252	7677613	81.051	ng	98
89) Benzo(k)fluoranthene	23.998	252	7207214	78.395	ng	100
90) Benzo(a)pyrene	24.833	252	6703562	82.211	ng	99
91) Dibenzo(a,h)anthracene	28.886	278	7614901	84.071	ng	98
92) Benzo(g,h,i)perylene	29.997	276	7750941	84.072	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024282.D
Acq On : 14 Apr 2025 17:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Apr 14 18:14:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	232241	20.000	ng	0.00
21) Naphthalene-d8	10.504	136	956448	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	600031	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1178916	20.000	ng	-0.02
76) Chrysene-d12	21.616	240	1288125	20.000	ng	0.00
86) Perylene-d12	24.986	264	1476872	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1141956	81.302	ng	0.00
7) Phenol-d6	6.911	99	1559050	81.063	ng	0.00
23) Nitrobenzene-d5	8.881	82	1401115	83.531	ng	0.00
42) 2,4,6-Tribromophenol	15.875	330	709703	85.488	ng	-0.02
45) 2-Fluorobiphenyl	12.975	172	3319933	84.715	ng	0.00
79) Terphenyl-d14	19.892	244	5217888	81.649	ng	-0.03
Target Compounds						Qvalue
2) 1,4-Dioxane	3.293	88	240091	40.412	ng	100
3) Pyridine	3.687	79	626813	39.955	ng	99
4) n-Nitrosodimethylamine	3.593	42	209326	40.205	ng	98
6) Aniline	7.069	93	710981	41.370	ng	100
8) 2-Chlorophenol	7.305	128	632515	40.334	ng	99
9) Benzaldehyde	6.881	77	399803	42.024	ng	98
10) Phenol	6.940	94	777631	40.306	ng	100
11) bis(2-Chloroethyl)ether	7.163	93	620261	39.902	ng	99
12) 1,3-Dichlorobenzene	7.622	146	680343	40.298	ng	100
13) 1,4-Dichlorobenzene	7.769	146	694020	40.516	ng	99
14) 1,2-Dichlorobenzene	8.081	146	659947	39.898	ng	99
15) Benzyl Alcohol	7.969	79	517678	41.621	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.258	45	674999	40.173	ng	99
17) 2-Methylphenol	8.175	107	512292	41.046	ng	100
18) Hexachloroethane	8.799	117	250852	40.522	ng	99
19) n-Nitroso-di-n-propyla...	8.528	70	481540	40.471	ng	99
20) 3+4-Methylphenols	8.499	107	706733	40.810	ng	99
22) Acetophenone	8.546	105	986019	41.652	ng	100
24) Nitrobenzene	8.922	77	689231	41.537	ng	100
25) Isophorone	9.446	82	1264480	41.648	ng	99
26) 2-Nitrophenol	9.628	139	352229	43.376	ng	99
27) 2,4-Dimethylphenol	9.687	122	425062	41.689	ng	99
28) bis(2-Chloroethoxy)met...	9.922	93	849161	41.402	ng	99
29) 2,4-Dichlorophenol	10.163	162	590306	42.461	ng	98
30) 1,2,4-Trichlorobenzene	10.369	180	619818	41.612	ng	99
31) Naphthalene	10.557	128	2085090	41.386	ng	99
32) Benzoic acid	9.834	122	486627	40.959	ng	98
33) 4-Chloroaniline	10.669	127	761817	42.937	ng	99
34) Hexachlorobutadiene	10.846	225	367684	42.007	ng	100
35) Caprolactam	11.457	113	216229	42.152	ng	99
36) 4-Chloro-3-methylphenol	11.799	107	675857	41.737	ng	98
37) 2-Methylnaphthalene	12.169	142	1446647	41.403	ng	100
38) 1-Methylnaphthalene	12.387	142	1408633	41.210	ng	99
40) 1,2,4,5-Tetrachloroben...	12.540	216	697580	42.275	ng	100
41) Hexachlorocyclopentadiene	12.516	237	254676	43.639	ng	99
43) 2,4,6-Trichlorophenol	12.781	196	475349	43.329	ng	97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.863	196	520298	42.828	ng	97
46) 1,1'-Biphenyl	13.187	154	1834570	41.595	ng	99
47) 2-Chloronaphthalene	13.228	162	1377424	41.786	ng	100
48) 2-Nitroaniline	13.434	65	392742	42.475	ng	98
49) Acenaphthylene	14.081	152	2168474	41.783	ng	99
50) Dimethylphthalate	13.816	163	1809923	41.478	ng	99
51) 2,6-Dinitrotoluene	13.940	165	398345	42.990	ng	97
52) Acenaphthene	14.428	154	1344151	40.853	ng	99
53) 3-Nitroaniline	14.275	138	427828	43.931	ng	98
54) 2,4-Dinitrophenol	14.481	184	231882	42.485	ng	98
55) Dibenzofuran	14.763	168	2187786	40.679	ng	99
56) 4-Nitrophenol	14.592	139	378214	44.968	ng	99
57) 2,4-Dinitrotoluene	14.734	165	550175	43.527	ng	97
58) Fluorene	15.428	166	1738215	41.750	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.998	232	470547	41.995	ng	99
60) Diethylphthalate	15.198	149	1869274	41.570	ng	99
61) 4-Chlorophenyl-phenyle...	15.422	204	844629	41.777	ng	99
62) 4-Nitroaniline	15.451	138	444482	43.114	ng	96
63) Azobenzene	15.722	77	1722900	41.686	ng	98
65) 4,6-Dinitro-2-methylph...	15.510	198	317548	42.724	ng	95
66) n-Nitrosodiphenylamine	15.645	169	1460282	41.500	ng	100
67) 4-Bromophenyl-phenylether	16.334	248	545579	42.314	ng	97
68) Hexachlorobenzene	16.451	284	642095	41.909	ng	96
69) Atrazine	16.622	200	282908	31.567	ng	98
70) Pentachlorophenol	16.810	266	458529	42.900	ng	99
71) Phenanthrene	17.204	178	2612052	40.615	ng	100
72) Anthracene	17.298	178	2606508	42.051	ng	100
73) Carbazole	17.581	167	2564955	42.351	ng	99
74) Di-n-butylphthalate	18.175	149	3360635	44.539	ng	100
75) Fluoranthene	19.298	202	3195045	41.771	ng	99
77) Benzidine	19.492	184	588487	36.041	ng	100
78) Pyrene	19.675	202	3276290	40.022	ng	99
80) Butylbenzylphthalate	20.627	149	1511473	43.107	ng	97
81) Benzo(a)anthracene	21.598	228	3299250	41.207	ng	99
82) 3,3'-Dichlorobenzidine	21.516	252	1212290	43.139	ng	99
83) Chrysene	21.669	228	3136332	40.888	ng	100
84) Bis(2-ethylhexyl)phtha...	21.539	149	2282222	44.400	ng	100
85) Di-n-octyl phthalate	22.827	149	3803266	45.513	ng	100
87) Indeno(1,2,3-cd)pyrene	28.798	276	4313548m	42.071	ng	
88) Benzo(b)fluoranthene	23.933	252	3654984	41.288	ng	99
89) Benzo(k)fluoranthene	23.998	252	3512834	41.081	ng	100
90) Benzo(a)pyrene	24.833	252	3196130	41.855	ng	99
91) Dibenzo(a,h)anthracene	28.880	278	3566000	41.902	ng	98
92) Benzo(g,h,i)perylene	29.992	276	3590938	41.455	ng	98

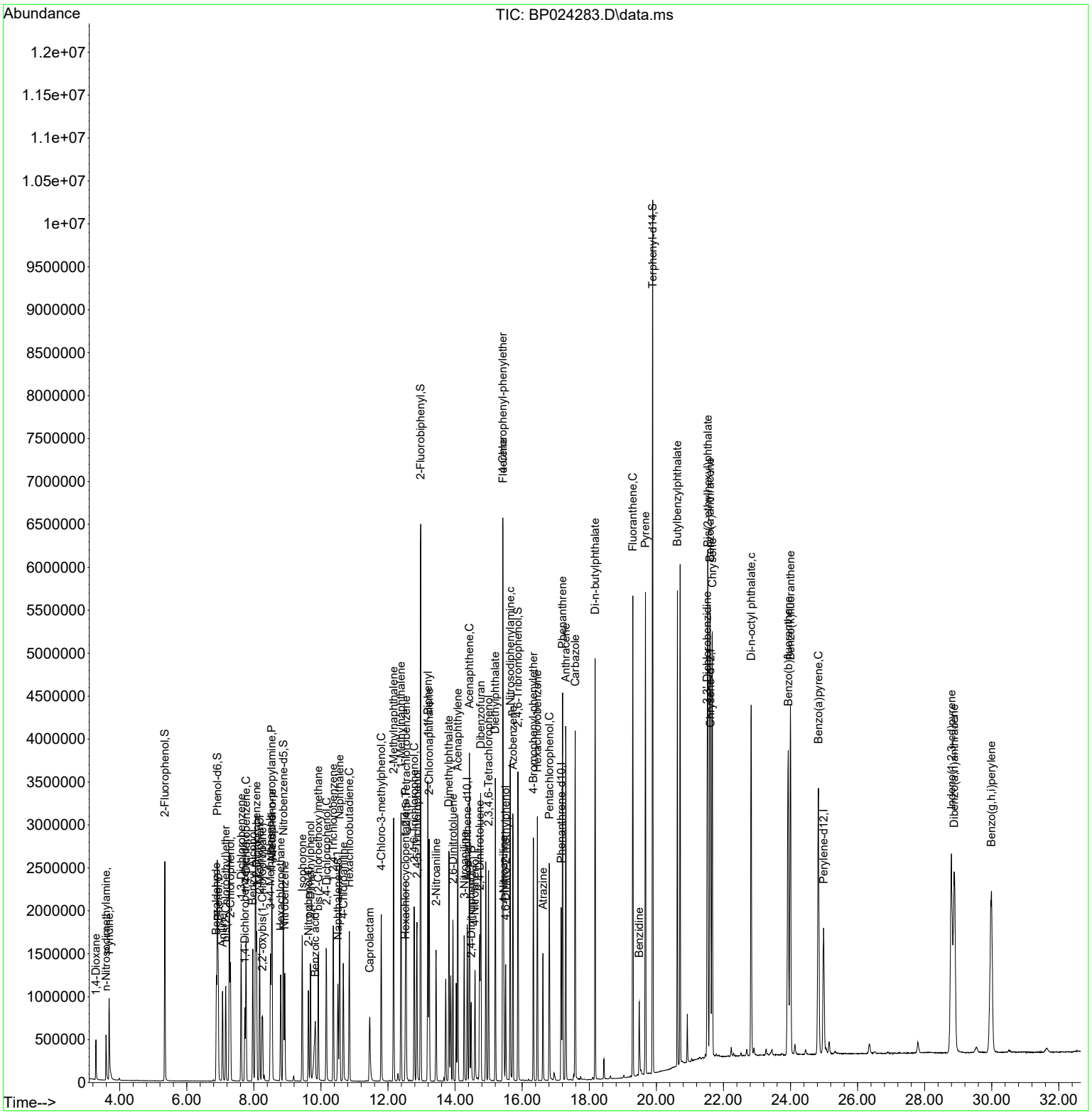
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	0.00
2		1,4-Dioxane	0.512	0.517	-1.0	95	0.00
3		Pyridine	1.351	1.349	0.1	91	0.00
4		n-Nitrosodimethylamine	0.448	0.451	-0.7	93	0.00
5	S	2-Fluorophenol	1.210	1.229	-1.6	92	0.00
6		Aniline	1.480	1.531	-3.4	91	0.00
7	S	Phenol-d6	1.656	1.678	-1.3	91	0.00
8		2-Chlorophenol	1.350	1.362	-0.9	92	0.00
9		Benzaldehyde	0.819	0.861	-5.1	97	0.00
10	C	Phenol	1.661	1.674	-0.8	90	0.00
11		bis(2-Chloroethyl)ether	1.339	1.335	0.3	90	0.00
12		1,3-Dichlorobenzene	1.454	1.465	-0.8	93	0.00
13	C	1,4-Dichlorobenzene	1.475	1.494	-1.3	94	0.00
14		1,2-Dichlorobenzene	1.424	1.421	0.2	93	0.00
15		Benzyl Alcohol	1.071	1.115	-4.1	91	0.00
16		2,2'-oxybis(1-Chloropropane	1.447	1.453	-0.4	90	0.00
17		2-Methylphenol	1.075	1.103	-2.6	91	0.00
18		Hexachloroethane	0.533	0.540	-1.3	94	0.00
19	P	n-Nitroso-di-n-propylamine	1.025	1.037	-1.2	90	0.00
20		3+4-Methylphenols	1.491	1.522	-2.1	90	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	91	0.00
22		Acetophenone	0.495	0.515	-4.0	91	0.00
23	S	Nitrobenzene-d5	0.351	0.366	-4.3	91	0.00
24		Nitrobenzene	0.347	0.360	-3.7	90	0.00
25		Isophorone	0.635	0.661	-4.1	90	0.00
26	C	2-Nitrophenol	0.170	0.184	-8.2	92	0.00
27		2,4-Dimethylphenol	0.213	0.222	-4.2	90	0.00
28		bis(2-Chloroethoxy)methane	0.429	0.444	-3.5	90	0.00
29	C	2,4-Dichlorophenol	0.291	0.309	-6.2	91	0.00
30		1,2,4-Trichlorobenzene	0.311	0.324	-4.2	92	0.00
31		Naphthalene	1.054	1.090	-3.4	92	0.00
32		Benzoic acid	0.248	0.254	-2.4	96	-0.04
33		4-Chloroaniline	0.371	0.398	-7.3	92	0.00
34	C	Hexachlorobutadiene	0.183	0.192	-4.9	93	0.00
35		Caprolactam	0.107	0.113	-5.6	92	-0.02
36	C	4-Chloro-3-methylphenol	0.339	0.353	-4.1	90	0.00
37		2-Methylnaphthalene	0.731	0.756	-3.4	92	0.00
38		1-Methylnaphthalene	0.715	0.736	-2.9	92	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	91	0.00
40		1,2,4,5-Tetrachlorobenzene	0.550	0.581	-5.6	92	0.00
41	P	Hexachlorocyclopentadiene	0.195	0.212	-8.7	89	-0.01
42	S	2,4,6-Tribromophenol	0.277	0.296	-6.9	93	-0.02
43	C	2,4,6-Trichlorophenol	0.366	0.396	-8.2	93	0.00
44		2,4,5-Trichlorophenol	0.405	0.434	-7.2	93	0.00
45	S	2-Fluorobiphenyl	1.306	1.383	-5.9	92	0.00
46		1,1'-Biphenyl	1.470	1.529	-4.0	91	-0.01
47		2-Chloronaphthalene	1.099	1.148	-4.5	92	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.308	0.327	-6.2	90	-0.01
49		Acenaphthylene	1.730	1.807	-4.5	91	0.00
50		Dimethylphthalate	1.454	1.508	-3.7	92	-0.02
51		2,6-Dinitrotoluene	0.309	0.332	-7.4	93	0.00
52	C	Acenaphthene	1.097	1.120	-2.1	91	-0.01
53		3-Nitroaniline	0.325	0.357	-9.8	92	0.00
54	P	2,4-Dinitrophenol	0.182	0.193	-6.0	95	-0.01
55		Dibenzofuran	1.793	1.823	-1.7	91	-0.02
56	P	4-Nitrophenol	0.280	0.315	-12.5	94	-0.01
57		2,4-Dinitrotoluene	0.421	0.458	-8.8	93	-0.01
58		Fluorene	1.388	1.448	-4.3	95	-0.01
59		2,3,4,6-Tetrachlorophenol	0.373	0.392	-5.1	92	0.00
60		Diethylphthalate	1.499	1.558	-3.9	92	-0.02
61		4-Chlorophenyl-phenylether	0.674	0.704	-4.5	94	-0.02
62		4-Nitroaniline	0.344	0.370	-7.6	92	-0.02
63		Azobenzene	1.378	1.436	-4.2	92	-0.02
64	I	Phenanthrene-d10	1.000	1.000	0.0	92	-0.02
65		4,6-Dinitro-2-methylphenol	0.126	0.135	-7.1	95	-0.02
66	c	n-Nitrosodiphenylamine	0.597	0.619	-3.7	91	-0.01
67		4-Bromophenyl-phenylether	0.219	0.231	-5.5	93	-0.01
68		Hexachlorobenzene	0.260	0.272	-4.6	93	-0.02
69		Atrazine	0.152	0.120	21.1	92	0.00
70	C	Pentachlorophenol	0.181	0.194	-7.2	92	-0.02
71		Phenanthrene	1.091	1.108	-1.6	91	-0.02
72		Anthracene	1.052	1.105	-5.0	92	-0.02
73		Carbazole	1.027	1.088	-5.9	93	-0.02
74		Di-n-butylphthalate	1.280	1.425	-11.3	94	-0.02
75	C	Fluoranthene	1.298	1.355	-4.4	93	-0.02
76	I	Chrysene-d12	1.000	1.000	0.0	95	0.00
77		Benzidine	0.254	0.228	10.2	50#	-0.02
78		Pyrene	1.271	1.272	-0.1	93	-0.01
79	S	Terphenyl-d14	0.992	1.013	-2.1	94	-0.03
80		Butylbenzylphthalate	0.544	0.587	-7.9	94	-0.02
81		Benzo(a)anthracene	1.243	1.281	-3.1	95	0.00
82		3,3'-Dichlorobenzidine	0.436	0.471	-8.0	92	-0.02
83		Chrysene	1.191	1.217	-2.2	96	-0.01
84		Bis(2-ethylhexyl)phthalate	0.798	0.886	-11.0	95	0.00
85	c	Di-n-octyl phthalate	1.297	1.476	-13.8	96	0.00
86	I	Perylene-d12	1.000	1.000	0.0	99	0.00
87		Indeno(1,2,3-cd)pyrene	1.388	1.460	-5.2	101	-0.02
88		Benzo(b)fluoranthene	1.199	1.237	-3.2	98	0.00
89		Benzo(k)fluoranthene	1.158	1.189	-2.7	98	0.00
90	C	Benzo(a)pyrene	1.034	1.082	-4.6	99	0.00
91		Dibenzo(a,h)anthracene	1.152	1.207	-4.8	100	0.00
92		Benzo(g,h,i)perylene	1.173	1.216	-3.7	99	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	94	0.00
2		1,4-Dioxane	40.000	40.412	-1.0	95	0.00
3		Pyridine	40.000	39.955	0.1	91	0.00
4		n-Nitrosodimethylamine	40.000	40.205	-0.5	93	0.00
5	S	2-Fluorophenol	80.000	81.302	-1.6	92	0.00
6		Aniline	40.000	41.370	-3.4	91	0.00
7	S	Phenol-d6	80.000	81.063	-1.3	91	0.00
8		2-Chlorophenol	40.000	40.334	-0.8	92	0.00
9		Benzaldehyde	40.000	42.024	-5.1	97	0.00
10	C	Phenol	40.000	40.306	-0.8	90	0.00
11		bis(2-Chloroethyl)ether	40.000	39.902	0.2	90	0.00
12		1,3-Dichlorobenzene	40.000	40.298	-0.7	93	0.00
13	C	1,4-Dichlorobenzene	40.000	40.516	-1.3	94	0.00
14		1,2-Dichlorobenzene	40.000	39.898	0.3	93	0.00
15		Benzyl Alcohol	40.000	41.621	-4.1	91	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.173	-0.4	90	0.00
17		2-Methylphenol	40.000	41.046	-2.6	91	0.00
18		Hexachloroethane	40.000	40.522	-1.3	94	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.471	-1.2	90	0.00
20		3+4-Methylphenols	40.000	40.810	-2.0	90	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	91	0.00
22		Acetophenone	40.000	41.652	-4.1	91	0.00
23	S	Nitrobenzene-d5	80.000	83.531	-4.4	91	0.00
24		Nitrobenzene	40.000	41.537	-3.8	90	0.00
25		Isophorone	40.000	41.648	-4.1	90	0.00
26	C	2-Nitrophenol	40.000	43.376	-8.4	92	0.00
27		2,4-Dimethylphenol	40.000	41.689	-4.2	90	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.402	-3.5	90	0.00
29	C	2,4-Dichlorophenol	40.000	42.461	-6.2	91	0.00
30		1,2,4-Trichlorobenzene	40.000	41.612	-4.0	92	0.00
31		Naphthalene	40.000	41.386	-3.5	92	0.00
32		Benzoic acid	40.000	40.959	-2.4	96	-0.04
33		4-Chloroaniline	40.000	42.937	-7.3	92	0.00
34	C	Hexachlorobutadiene	40.000	42.007	-5.0	93	0.00
35		Caprolactam	40.000	42.152	-5.4	92	-0.02
36	C	4-Chloro-3-methylphenol	40.000	41.737	-4.3	90	0.00
37		2-Methylnaphthalene	40.000	41.403	-3.5	92	0.00
38		1-Methylnaphthalene	40.000	41.210	-3.0	92	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	91	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	42.275	-5.7	92	0.00
41	P	Hexachlorocyclopentadiene	40.000	43.639	-9.1	89	-0.01
42	S	2,4,6-Tribromophenol	80.000	85.488	-6.9	93	-0.02
43	C	2,4,6-Trichlorophenol	40.000	43.329	-8.3	93	0.00
44		2,4,5-Trichlorophenol	40.000	42.828	-7.1	93	0.00
45	S	2-Fluorobiphenyl	80.000	84.715	-5.9	92	0.00
46		1,1'-Biphenyl	40.000	41.595	-4.0	91	-0.01
47		2-Chloronaphthalene	40.000	41.786	-4.5	92	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	42.475	-6.2	90	-0.01
49		Acenaphthylene	40.000	41.783	-4.5	91	0.00
50		Dimethylphthalate	40.000	41.478	-3.7	92	-0.02
51		2,6-Dinitrotoluene	40.000	42.990	-7.5	93	0.00
52	C	Acenaphthene	40.000	40.853	-2.1	91	-0.01
53		3-Nitroaniline	40.000	43.931	-9.8	92	0.00
54	P	2,4-Dinitrophenol	40.000	42.485	-6.2	95	-0.01
55		Dibenzofuran	40.000	40.679	-1.7	91	-0.02
56	P	4-Nitrophenol	40.000	44.968	-12.4	94	-0.01
57		2,4-Dinitrotoluene	40.000	43.527	-8.8	93	-0.01
58		Fluorene	40.000	41.750	-4.4	95	-0.01
59		2,3,4,6-Tetrachlorophenol	40.000	41.995	-5.0	92	0.00
60		Diethylphthalate	40.000	41.570	-3.9	92	-0.02
61		4-Chlorophenyl-phenylether	40.000	41.777	-4.4	94	-0.02
62		4-Nitroaniline	40.000	43.114	-7.8	92	-0.02
63		Azobenzene	40.000	41.686	-4.2	92	-0.02
64	I	Phenanthrene-d10	20.000	20.000	0.0	92	-0.02
65		4,6-Dinitro-2-methylphenol	40.000	42.724	-6.8	95	-0.02
66	c	n-Nitrosodiphenylamine	40.000	41.500	-3.8	91	-0.01
67		4-Bromophenyl-phenylether	40.000	42.314	-5.8	93	-0.01
68		Hexachlorobenzene	40.000	41.909	-4.8	93	-0.02
69		Atrazine	40.000	31.567	21.1	92	0.00
70	C	Pentachlorophenol	40.000	42.900	-7.2	92	-0.02
71		Phenanthrene	40.000	40.615	-1.5	91	-0.02
72		Anthracene	40.000	42.051	-5.1	92	-0.02
73		Carbazole	40.000	42.351	-5.9	93	-0.02
74		Di-n-butylphthalate	40.000	44.539	-11.3	94	-0.02
75	C	Fluoranthene	40.000	41.771	-4.4	93	-0.02
76	I	Chrysene-d12	20.000	20.000	0.0	95	0.00
77		Benzidine	40.000	36.041	9.9	50	-0.02
78		Pyrene	40.000	40.022	-0.1	93	-0.01
79	S	Terphenyl-d14	80.000	81.649	-2.1	94	-0.03
80		Butylbenzylphthalate	40.000	43.107	-7.8	94	-0.02
81		Benzo(a)anthracene	40.000	41.207	-3.0	95	0.00
82		3,3'-Dichlorobenzidine	40.000	43.139	-7.8	92	-0.02
83		Chrysene	40.000	40.888	-2.2	96	-0.01
84		Bis(2-ethylhexyl)phthalate	40.000	44.400	-11.0	95	0.00
85	c	Di-n-octyl phthalate	40.000	45.513	-13.8	96	0.00
86	I	Perylene-d12	20.000	20.000	0.0	99	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	42.071	-5.2	101	-0.02
88		Benzo(b)fluoranthene	40.000	41.288	-3.2	98	0.00
89		Benzo(k)fluoranthene	40.000	41.081	-2.7	98	0.00
90	C	Benzo(a)pyrene	40.000	41.855	-4.6	99	0.00
91		Dibenzo(a,h)anthracene	40.000	41.902	-4.8	100	0.00
92		Benzo(g,h,i)perylene	40.000	41.455	-3.6	99	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: Q1858 SAS No.: Q1858 SDG No.: Q1858

Instrument ID: BNA_M Calibration Date/Time: 04/23/2025 10:38

Lab File ID: BM050007.D Init. Calib. Date(s): 04/08/2025 04/08/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:35 20:07

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.178	1.114		-5.4	
Phenol-d6	1.465	1.377		-6.0	
Nitrobenzene-d5	0.359	0.354		-1.4	
Naphthalene	1.028	0.987		-4.0	
2-Fluorobiphenyl	1.475	1.485		0.7	
Fluorene	1.439	1.386		-3.7	
2,4,6-Tribromophenol	0.291	0.283		-2.7	
Phenanthrene	1.096	1.052		-4.0	
Anthracene	1.081	1.051		-2.8	
Pyrene	1.378	1.424		3.3	
Terphenyl-d14	1.067	1.201		12.5	
Benzo(a)anthracene	1.329	1.296		-2.5	
Chrysene	1.264	1.209		-4.4	
Benzo(b)fluoranthene	1.277	1.250		-2.1	
Benzo(a)pyrene	1.122	1.069		-4.7	20.0
Indeno(1,2,3-cd)pyrene	1.491	1.378		-7.6	
Benzo(g,h,i)perylene	1.255	1.140		-9.2	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
Data File : BM050007.D
Acq On : 23 Apr 2025 10:38
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: Apr 23 11:33:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.763	152	307209	20.000	ng		-0.02
21) Naphthalene-d8	10.557	136	1029596	20.000	ng		-0.02
39) Acenaphthene-d10	14.410	164	636547	20.000	ng		-0.01
64) Phenanthrene-d10	17.157	188	1225577	20.000	ng		0.00
76) Chrysene-d12	21.398	240	1143346	20.000	ng		0.00
86) Perylene-d12	24.403	264	1143262	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.357	112	1368526	75.644	ng		0.00
7) Phenol-d6	6.951	99	1692201	75.178	ng		0.00
23) Nitrobenzene-d5	8.922	82	1457079	78.805	ng		-0.01
42) 2,4,6-Tribromophenol	15.904	330	720958	77.867	ng		0.00
45) 2-Fluorobiphenyl	13.028	172	3780811	80.541	ng		-0.02
79) Terphenyl-d14	19.780	244	5490354	89.992	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.252	88	275782	37.014	ng		98
3) Pyridine	3.652	79	705690	36.049	ng		99
4) n-Nitrosodimethylamine	3.563	42	286469	38.453	ng		99
6) Aniline	7.093	93	717686	37.210	ng		99
8) 2-Chlorophenol	7.334	128	704032	37.973	ng		98
9) Benzaldehyde	6.904	77	485854	42.062	ng		98
10) Phenol	6.975	94	821496	37.399	ng		99
11) bis(2-Chloroethyl)ether	7.187	93	677722	39.344	ng		98
12) 1,3-Dichlorobenzene	7.651	146	834164	38.055	ng		99
13) 1,4-Dichlorobenzene	7.798	146	843445	38.241	ng		99
14) 1,2-Dichlorobenzene	8.116	146	795085	38.272	ng		99
15) Benzyl Alcohol	8.010	79	534044	37.677	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.298	45	759295	39.548	ng		99
17) 2-Methylphenol	8.222	107	509486	37.638	ng		98
18) Hexachloroethane	8.840	117	294470	38.375	ng		97
19) n-Nitroso-di-n-propyla...	8.575	70	485097	38.911	ng		100
20) 3+4-Methylphenols	8.551	107	688809	37.325	ng		98
22) Acetophenone	8.587	105	967807	38.678	ng	#	99
24) Nitrobenzene	8.963	77	693757	38.967	ng		98
25) Isophorone	9.492	82	1204335	38.882	ng		99
26) 2-Nitrophenol	9.675	139	376041	39.851	ng		97
27) 2,4-Dimethylphenol	9.745	122	415924	38.893	ng		99
28) bis(2-Chloroethoxy)met...	9.969	93	802888	38.719	ng		99
29) 2,4-Dichlorophenol	10.228	162	668751	37.621	ng		99
30) 1,2,4-Trichlorobenzene	10.422	180	804051	39.099	ng		100
31) Naphthalene	10.610	128	2031480	38.399	ng		99
32) Benzoic acid	9.916	122	414586	34.251	ng		97
33) 4-Chloroaniline	10.722	127	669894	35.859	ng		98
34) Hexachlorobutadiene	10.892	225	515190	40.501	ng		99
35) Caprolactam	11.516	113	179393	35.186	ng		97
36) 4-Chloro-3-methylphenol	11.875	107	588752	37.811	ng		98
37) 2-Methylnaphthalene	12.228	142	1436558	38.540	ng		99
38) 1-Methylnaphthalene	12.445	142	1393736	38.380	ng		98
40) 1,2,4,5-Tetrachloroben...	12.598	216	898206	40.334	ng		99
41) Hexachlorocyclopentadiene	12.575	237	372283	47.708	ng		99
43) 2,4,6-Trichlorophenol	12.845	196	560866	39.579	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
Data File : BM050007.D
Acq On : 23 Apr 2025 10:38
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: Apr 23 11:33:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

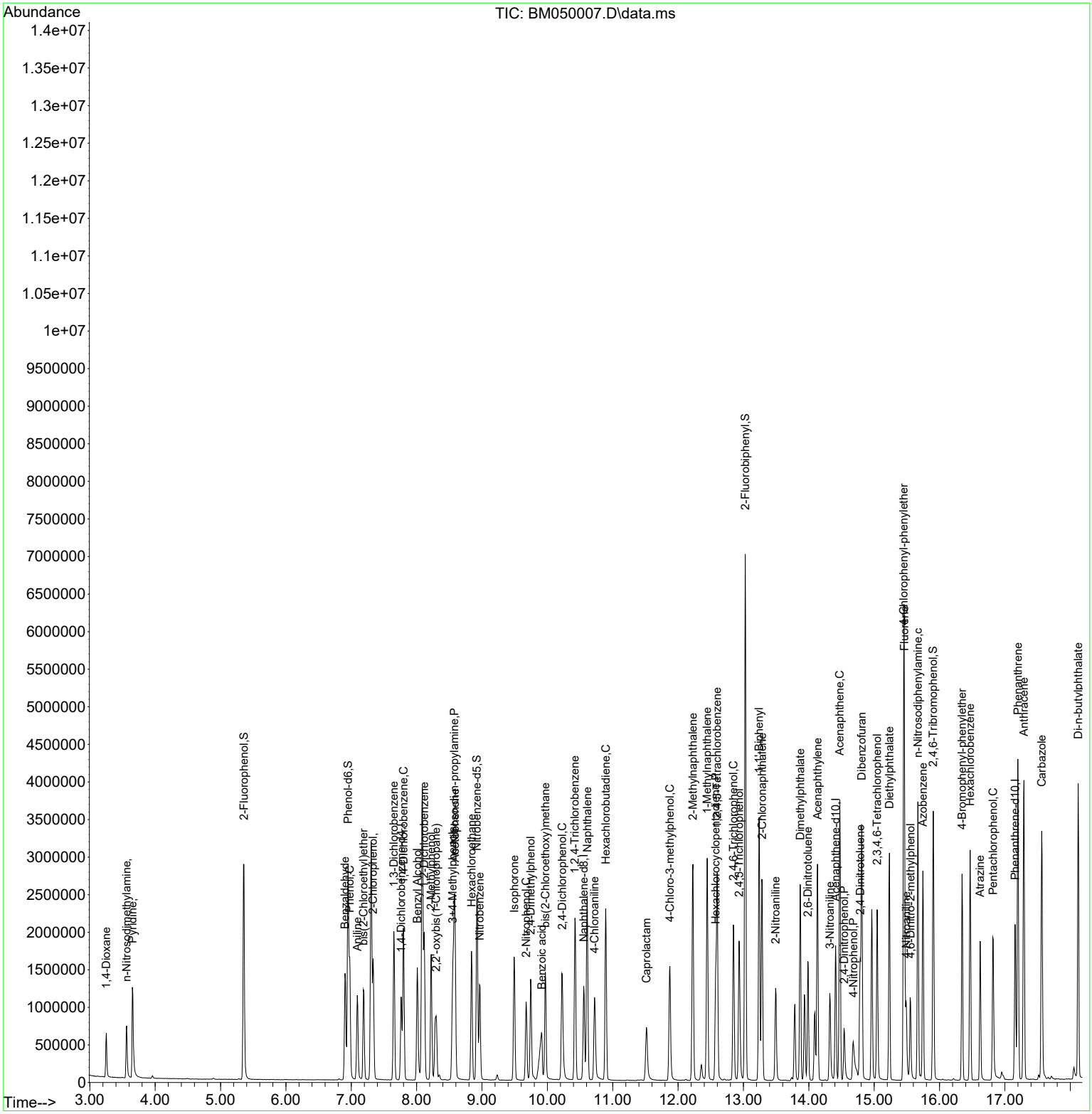
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	601802	39.079	ng		99
46) 1,1'-Biphenyl	13.239	154	1869147	39.501	ng		100
47) 2-Chloronaphthalene	13.286	162	1441625	38.762	ng		99
48) 2-Nitroaniline	13.492	65	342521	39.809	ng		95
49) Acenaphthylene	14.133	152	2096087	38.691	ng		99
50) Dimethylphthalate	13.869	163	1750228	38.974	ng		100
51) 2,6-Dinitrotoluene	13.986	165	377054	40.075	ng		100
52) Acenaphthene	14.474	154	1323181	38.397	ng		98
53) 3-Nitroaniline	14.322	138	345390	37.982	ng		97
54) 2,4-Dinitrophenol	14.539	184	202642	34.280	ng		96
55) Dibenzofuran	14.810	168	2225698	38.636	ng		99
56) 4-Nitrophenol	14.680	139	260516	32.148	ng		99
57) 2,4-Dinitrotoluene	14.786	165	504562	40.198	ng	#	98
58) Fluorene	15.463	166	1764387	38.531	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.045	232	505433	37.447	ng		98
60) Diethylphthalate	15.233	149	1658566	38.513	ng		99
61) 4-Chlorophenyl-phenyle...	15.451	204	971518	39.573	ng		98
62) 4-Nitroaniline	15.492	138	345338	36.722	ng		99
63) Azobenzene	15.745	77	1429240	38.764	ng		99
65) 4,6-Dinitro-2-methylph...	15.557	198	296238	38.358	ng		96
66) n-Nitrosodiphenylamine	15.669	169	1425237	38.859	ng		100
67) 4-Bromophenyl-phenylether	16.345	248	579673	40.743	ng		97
68) Hexachlorobenzene	16.468	284	657395	40.283	ng		99
69) Atrazine	16.621	200	362821	38.153	ng		99
70) Pentachlorophenol	16.821	266	399968	33.290	ng		100
71) Phenanthrene	17.198	178	2578850	38.381	ng		100
72) Anthracene	17.292	178	2575789	38.900	ng		99
73) Carbazole	17.563	167	2319294	37.188	ng		100
74) Di-n-butylphthalate	18.121	149	2791490	38.860	ng		100
75) Fluoranthene	19.215	202	3159637	38.246	ng		100
77) Benzidine	19.409	184	573934	37.838	ng		99
78) Pyrene	19.580	202	3256076	41.322	ng		99
80) Butylbenzylphthalate	20.474	149	1189963	40.190	ng		100
81) Benzo(a)anthracene	21.380	228	2963608	39.002	ng		99
82) 3,3'-Dichlorobenzidine	21.303	252	1007638	35.115	ng		99
83) Chrysene	21.445	228	2765453	38.281	ng		99
84) Bis(2-ethylhexyl)phtha...	21.298	149	1712708	39.703	ng		99
85) Di-n-octyl phthalate	22.427	149	2835535	37.573	ng		100
87) Indeno(1,2,3-cd)pyrene	27.803	276	3151724	36.983	ng		99
88) Benzo(b)fluoranthene	23.456	252	2858943	39.155	ng		99
89) Benzo(k)fluoranthene	23.515	252	2706966	38.257	ng		100
90) Benzo(a)pyrene	24.262	252	2444727	38.103	ng		99
91) Dibenzo(a,h)anthracene	27.850	278	2581859	36.781	ng		99
92) Benzo(g,h,i)perylene	28.856	276	2607452	36.351	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
Data File : BM050007.D
Acq On : 23 Apr 2025 10:38
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

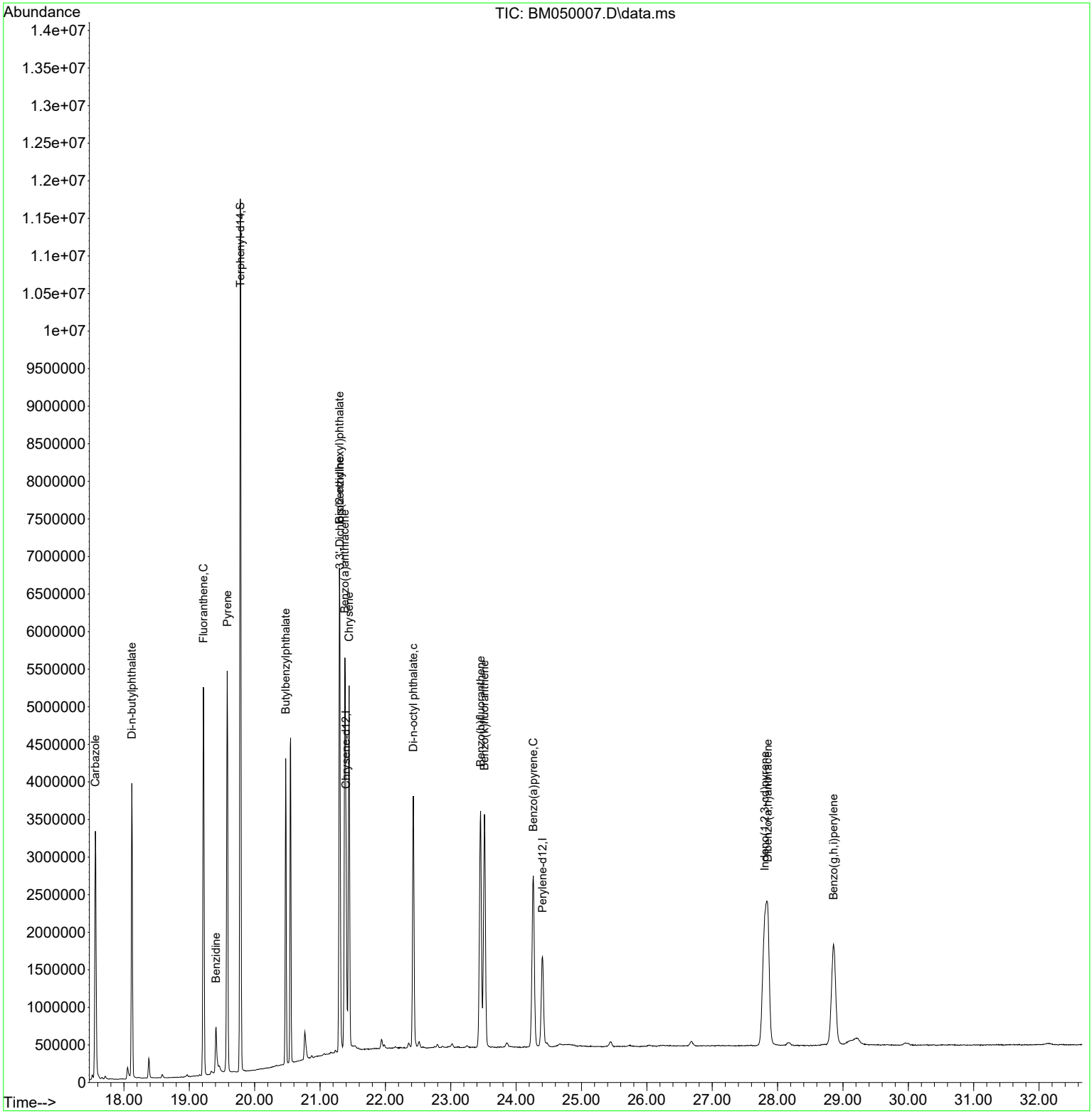
Quant Time: Apr 23 11:33:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
Data File : BM050007.D
Acq On : 23 Apr 2025 10:38
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: Apr 23 11:33:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



Sample Results: **BM050007.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
Data File : BM050007.D
Acq On : 23 Apr 2025 10:38
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 23 11:33:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	-0.02
2		1,4-Dioxane	0.485	0.449	7.4	93	-0.01
3		Pyridine	1.274	1.149	9.8	91	-0.01
4		n-Nitrosodimethylamine	0.485	0.466	3.9	97	0.00
5	S	2-Fluorophenol	1.178	1.114	5.4	95	0.00
6		Aniline	1.256	1.168	7.0	90	-0.01
7	S	Phenol-d6	1.465	1.377	6.0	94	0.00
8		2-Chlorophenol	1.207	1.146	5.1	96	-0.01
9		Benzaldehyde	0.752	0.791	-5.2	107	-0.01
10	C	Phenol	1.430	1.337	6.5	94	0.00
11		bis(2-Chloroethyl)ether	1.121	1.103	1.6	99	-0.02
12		1,3-Dichlorobenzene	1.427	1.358	4.8	96	-0.02
13	C	1,4-Dichlorobenzene	1.436	1.373	4.4	96	-0.02
14		1,2-Dichlorobenzene	1.352	1.294	4.3	96	-0.02
15		Benzyl Alcohol	0.923	0.869	5.9	93	0.00
16		2,2'-oxybis(1-Chloropropane	1.250	1.236	1.1	99	-0.01
17		2-Methylphenol	0.881	0.829	5.9	95	0.00
18		Hexachloroethane	0.500	0.479	4.2	97	-0.02
19	P	n-Nitroso-di-n-propylamine	0.812	0.790	2.7	96	-0.01
20		3+4-Methylphenols	1.201	1.121	6.7	93	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	100	-0.02
22		Acetophenone	0.486	0.470	3.3	95	-0.01
23	S	Nitrobenzene-d5	0.359	0.354	1.4	96	-0.01
24		Nitrobenzene	0.346	0.337	2.6	95	-0.01
25		Isophorone	0.602	0.585	2.8	95	-0.01
26	C	2-Nitrophenol	0.183	0.183	0.0	97	-0.01
27		2,4-Dimethylphenol	0.208	0.202	2.9	95	0.00
28		bis(2-Chloroethoxy)methane	0.403	0.390	3.2	95	-0.02
29	C	2,4-Dichlorophenol	0.345	0.325	5.8	92	0.00
30		1,2,4-Trichlorobenzene	0.399	0.390	2.3	97	-0.02
31		Naphthalene	1.028	0.987	4.0	95	-0.01
32		Benzoic acid	0.220	0.201	8.6	88	0.04
33		4-Chloroaniline	0.363	0.325	10.5	86	0.00
34	C	Hexachlorobutadiene	0.247	0.250	-1.2	101	-0.02
35		Caprolactam	0.099	0.087	12.1	86	0.00
36	C	4-Chloro-3-methylphenol	0.302	0.286	5.3	93	0.01
37		2-Methylnaphthalene	0.724	0.698	3.6	95	-0.01
38		1-Methylnaphthalene	0.705	0.677	4.0	95	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	99	-0.01
40		1,2,4,5-Tetrachlorobenzene	0.700	0.706	-0.9	99	-0.01
41	P	Hexachlorocyclopentadiene	0.245	0.292	-19.2	109	-0.02
42	S	2,4,6-Tribromophenol	0.291	0.283	2.7	95	0.00
43	C	2,4,6-Trichlorophenol	0.445	0.441	0.9	95	0.00
44		2,4,5-Trichlorophenol	0.484	0.473	2.3	93	0.00
45	S	2-Fluorobiphenyl	1.475	1.485	-0.7	97	-0.02
46		1,1'-Biphenyl	1.487	1.468	1.3	95	-0.01
47		2-Chloronaphthalene	1.169	1.132	3.2	94	0.00

Sample Results: **BM050007.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
Data File : BM050007.D
Acq On : 23 Apr 2025 10:38
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 23 11:33:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.270	0.269	0.4	94	0.00
49		Acenaphthylene	1.702	1.646	3.3	93	-0.01
50		Dimethylphthalate	1.411	1.375	2.6	94	-0.01
51		2,6-Dinitrotoluene	0.296	0.296	0.0	94	0.00
52	C	Acenaphthene	1.083	1.039	4.1	92	-0.01
53		3-Nitroaniline	0.286	0.271	5.2	87	0.00
54	P	2,4-Dinitrophenol	0.175	0.159	9.1	86	0.00
55		Dibenzofuran	1.810	1.748	3.4	94	-0.01
56	P	4-Nitrophenol	0.255	0.205	19.6	75	0.04
57		2,4-Dinitrotoluene	0.394	0.396	-0.5	93	0.00
58		Fluorene	1.439	1.386	3.7	92	0.00
59		2,3,4,6-Tetrachlorophenol	0.424	0.397	6.4	92	0.00
60		Diethylphthalate	1.353	1.303	3.7	93	-0.01
61		4-Chlorophenyl-phenylether	0.771	0.763	1.0	96	-0.02
62		4-Nitroaniline	0.295	0.271	8.1	84	0.00
63		Azobenzene	1.158	1.123	3.0	92	-0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	97	0.00
65		4,6-Dinitro-2-methylphenol	0.126	0.121	4.0	89	0.00
66	c	n-Nitrosodiphenylamine	0.599	0.581	3.0	91	-0.01
67		4-Bromophenyl-phenylether	0.232	0.236	-1.7	96	-0.01
68		Hexachlorobenzene	0.266	0.268	-0.8	96	-0.01
69		Atrazine	0.155	0.148	4.5	111	0.00
70	C	Pentachlorophenol	0.196	0.163	16.8	78	0.00
71		Phenanthrene	1.096	1.052	4.0	90	-0.01
72		Anthracene	1.081	1.051	2.8	91	0.00
73		Carbazole	1.018	0.946	7.1	87	0.00
74		Di-n-butylphthalate	1.172	1.139	2.8	91	-0.01
75	C	Fluoranthene	1.348	1.289	4.4	90	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	90	0.00
77		Benzidine	0.265	0.251	5.3	56	0.00
78		Pyrene	1.378	1.424	-3.3	91	0.00
79	S	Terphenyl-d14	1.067	1.201	-12.6	91	-0.01
80		Butylbenzylphthalate	0.518	0.520	-0.4	87	-0.01
81		Benzo(a)anthracene	1.329	1.296	2.5	85	0.00
82		3,3'-Dichlorobenzidine	0.502	0.441	12.2	75	0.00
83		Chrysene	1.264	1.209	4.4	84	0.00
84		Bis(2-ethylhexyl)phthalate	0.755	0.749	0.8	86	-0.01
85	c	Di-n-octyl phthalate	1.320	1.240	6.1	81	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	83	0.00
87		Indeno(1,2,3-cd)pyrene	1.491	1.378	7.6	76	0.00
88		Benzo(b)fluoranthene	1.277	1.250	2.1	79	0.00
89		Benzo(k)fluoranthene	1.238	1.184	4.4	79	0.00
90	C	Benzo(a)pyrene	1.122	1.069	4.7	78	0.00
91		Dibenzo(a,h)anthracene	1.228	1.129	8.1	75	0.00
92		Benzo(g,h,i)perylene	1.255	1.140	9.2	74	0.00

Sample Results: **BM050007.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
Data File : BM050007.D
Acq On : 23 Apr 2025 10:38
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 23 11:33:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BM050007.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
Data File : BM050007.D
Acq On : 23 Apr 2025 10:38
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 23 11:33:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	102	-0.02
2		1,4-Dioxane	40.000	37.014	7.5	93	-0.01
3		Pyridine	40.000	36.049	9.9	91	-0.01
4		n-Nitrosodimethylamine	40.000	38.453	3.9	97	0.00
5	S	2-Fluorophenol	80.000	75.644	5.4	95	0.00
6		Aniline	40.000	37.210	7.0	90	-0.01
7	S	Phenol-d6	80.000	75.178	6.0	94	0.00
8		2-Chlorophenol	40.000	37.973	5.1	96	-0.01
9		Benzaldehyde	40.000	42.062	-5.2	107	-0.01
10	C	Phenol	40.000	37.399	6.5	94	0.00
11		bis(2-Chloroethyl)ether	40.000	39.344	1.6	99	-0.02
12		1,3-Dichlorobenzene	40.000	38.055	4.9	96	-0.02
13	C	1,4-Dichlorobenzene	40.000	38.241	4.4	96	-0.02
14		1,2-Dichlorobenzene	40.000	38.272	4.3	96	-0.02
15		Benzyl Alcohol	40.000	37.677	5.8	93	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.548	1.1	99	-0.01
17		2-Methylphenol	40.000	37.638	5.9	95	0.00
18		Hexachloroethane	40.000	38.375	4.1	97	-0.02
19	P	n-Nitroso-di-n-propylamine	40.000	38.911	2.7	96	-0.01
20		3+4-Methylphenols	40.000	37.325	6.7	93	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	100	-0.02
22		Acetophenone	40.000	38.678	3.3	95	-0.01
23	S	Nitrobenzene-d5	80.000	78.805	1.5	96	-0.01
24		Nitrobenzene	40.000	38.967	2.6	95	-0.01
25		Isophorone	40.000	38.882	2.8	95	-0.01
26	C	2-Nitrophenol	40.000	39.851	0.4	97	-0.01
27		2,4-Dimethylphenol	40.000	38.893	2.8	95	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.719	3.2	95	-0.02
29	C	2,4-Dichlorophenol	40.000	37.621	5.9	92	0.00
30		1,2,4-Trichlorobenzene	40.000	39.099	2.3	97	-0.02
31		Naphthalene	40.000	38.399	4.0	95	-0.01
32		Benzoic acid	40.000	34.251	14.4	88	0.04
33		4-Chloroaniline	40.000	35.859	10.4	86	0.00
34	C	Hexachlorobutadiene	40.000	40.501	-1.3	101	-0.02
35		Caprolactam	40.000	35.186	12.0	86	0.00
36	C	4-Chloro-3-methylphenol	40.000	37.811	5.5	93	0.01
37		2-Methylnaphthalene	40.000	38.540	3.7	95	-0.01
38		1-Methylnaphthalene	40.000	38.380	4.0	95	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	99	-0.01
40		1,2,4,5-Tetrachlorobenzene	40.000	40.334	-0.8	99	-0.01
41	P	Hexachlorocyclopentadiene	40.000	47.708	-19.3	109	-0.02
42	S	2,4,6-Tribromophenol	80.000	77.867	2.7	95	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.579	1.1	95	0.00
44		2,4,5-Trichlorophenol	40.000	39.079	2.3	93	0.00
45	S	2-Fluorobiphenyl	80.000	80.541	-0.7	97	-0.02
46		1,1'-Biphenyl	40.000	39.501	1.2	95	-0.01
47		2-Chloronaphthalene	40.000	38.762	3.1	94	0.00

Sample Results: **BM050007.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
Data File : BM050007.D
Acq On : 23 Apr 2025 10:38
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 23 11:33:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	39.809	0.5	94	0.00
49		Acenaphthylene	40.000	38.691	3.3	93	-0.01
50		Dimethylphthalate	40.000	38.974	2.6	94	-0.01
51		2,6-Dinitrotoluene	40.000	40.075	-0.2	94	0.00
52	C	Acenaphthene	40.000	38.397	4.0	92	-0.01
53		3-Nitroaniline	40.000	37.982	5.0	87	0.00
54	P	2,4-Dinitrophenol	40.000	34.280	14.3	86	0.00
55		Dibenzofuran	40.000	38.636	3.4	94	-0.01
56	P	4-Nitrophenol	40.000	32.148	19.6	75	0.04
57		2,4-Dinitrotoluene	40.000	40.198	-0.5	93	0.00
58		Fluorene	40.000	38.531	3.7	92	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	37.447	6.4	92	0.00
60		Diethylphthalate	40.000	38.513	3.7	93	-0.01
61		4-Chlorophenyl-phenylether	40.000	39.573	1.1	96	-0.02
62		4-Nitroaniline	40.000	36.722	8.2	84	0.00
63		Azobenzene	40.000	38.764	3.1	92	-0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	97	0.00
65		4,6-Dinitro-2-methylphenol	40.000	38.358	4.1	89	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.859	2.9	91	-0.01
67		4-Bromophenyl-phenylether	40.000	40.743	-1.9	96	-0.01
68		Hexachlorobenzene	40.000	40.283	-0.7	96	-0.01
69		Atrazine	40.000	38.153	4.6	111	0.00
70	C	Pentachlorophenol	40.000	33.290	16.8	78	0.00
71		Phenanthrene	40.000	38.381	4.0	90	-0.01
72		Anthracene	40.000	38.900	2.8	91	0.00
73		Carbazole	40.000	37.188	7.0	87	0.00
74		Di-n-butylphthalate	40.000	38.860	2.9	91	-0.01
75	C	Fluoranthene	40.000	38.246	4.4	90	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	90	0.00
77		Benzidine	40.000	37.838	5.4	56	0.00
78		Pyrene	40.000	41.322	-3.3	91	0.00
79	S	Terphenyl-d14	80.000	89.992	-12.5	91	-0.01
80		Butylbenzylphthalate	40.000	40.190	-0.5	87	-0.01
81		Benzo(a)anthracene	40.000	39.002	2.5	85	0.00
82		3,3'-Dichlorobenzidine	40.000	35.115	12.2	75	0.00
83		Chrysene	40.000	38.281	4.3	84	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	39.703	0.7	86	-0.01
85	c	Di-n-octyl phthalate	40.000	37.573	6.1	81	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	83	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	36.983	7.5	76	0.00
88		Benzo(b)fluoranthene	40.000	39.155	2.1	79	0.00
89		Benzo(k)fluoranthene	40.000	38.257	4.4	79	0.00
90	C	Benzo(a)pyrene	40.000	38.103	4.7	78	0.00
91		Dibenzo(a,h)anthracene	40.000	36.781	8.0	75	0.00
92		Benzo(g,h,i)perylene	40.000	36.351	9.1	74	0.00

Sample Results: **BM050007.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
Data File : BM050007.D
Acq On : 23 Apr 2025 10:38
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 23 11:33:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: Q1858 SAS No.: Q1858 SDG No.: Q1858

Instrument ID: BNA_P Calibration Date/Time: 04/24/2025 11:50

Lab File ID: BP024407.D Init. Calib. Date(s): 04/14/2025 04/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:06 17:13

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.210	1.166		-3.6	
Phenol-d6	1.656	1.634		-1.3	
Nitrobenzene-d5	0.351	0.345		-1.7	
Naphthalene	1.054	1.023		-2.9	
2-Fluorobiphenyl	1.306	1.284		-1.7	
Fluorene	1.388	1.375		-0.9	
2,4,6-Tribromophenol	0.277	0.310		11.9	
Phenanthrene	1.091	1.052		-3.6	
Anthracene	1.052	1.054		0.2	
Pyrene	1.271	1.226		-3.5	
Terphenyl-d14	0.992	0.979		-1.3	
Benzo(a)anthracene	1.243	1.201		-3.4	
Chrysene	1.191	1.138		-4.4	
Benzo(b)fluoranthene	1.199	1.201		0.2	
Benzo(a)pyrene	1.034	1.017		-1.6	20.0
Indeno(1,2,3-cd)pyrene	1.388	1.197		-13.8	
Benzo(g,h,i)perylene	1.173	0.988		-15.8	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042425\
Data File : BP024407.D
Acq On : 24 Apr 2025 11:50
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Apr 24 12:15:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.716	152	264641	20.000	ng	0.00
21) Naphthalene-d8	10.487	136	1170079	20.000	ng	-0.01
39) Acenaphthene-d10	14.345	164	779721	20.000	ng	0.00
64) Phenanthrene-d10	17.145	188	1570089	20.000	ng	0.00
76) Chrysene-d12	21.592	240	1711308	20.000	ng	0.00
86) Perylene-d12	24.910	264	1789705	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1234293	77.118	ng	0.00
7) Phenol-d6	6.905	99	1729534	78.917	ng	0.00
23) Nitrobenzene-d5	8.869	82	1616071	78.756	ng	0.00
42) 2,4,6-Tribromophenol	15.863	330	967238	89.660	ng	0.00
45) 2-Fluorobiphenyl	12.963	172	4004091	78.627	ng	0.00
79) Terphenyl-d14	19.863	244	6704800	78.971	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.287	88	245760	36.302	ng	97
3) Pyridine	3.681	79	639089	35.750	ng	97
4) n-Nitrosodimethylamine	3.593	42	240353	40.512	ng	86
6) Aniline	7.058	93	773778	39.511	ng	98
8) 2-Chlorophenol	7.293	128	706066	39.512	ng	99
9) Benzaldehyde	6.869	77	499712	46.095	ng	99
10) Phenol	6.928	94	863154	39.261	ng	95
11) bis(2-Chloroethyl)ether	7.146	93	672415	37.961	ng	99
12) 1,3-Dichlorobenzene	7.605	146	740884	38.511	ng	98
13) 1,4-Dichlorobenzene	7.752	146	749129	38.379	ng	100
14) 1,2-Dichlorobenzene	8.063	146	720394	38.221	ng	99
15) Benzyl Alcohol	7.958	79	624765	44.081	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.234	45	746070	38.967	ng	99
17) 2-Methylphenol	8.163	107	590015	41.486	ng	98
18) Hexachloroethane	8.787	117	281826	39.952	ng	98
19) n-Nitroso-di-n-propyla...	8.516	70	559026	41.231	ng	97
20) 3+4-Methylphenols	8.487	107	829153	42.017	ng	99
22) Acetophenone	8.534	105	1128134	38.955	ng	99
24) Nitrobenzene	8.905	77	788743	38.855	ng	99
25) Isophorone	9.428	82	1526327	41.094	ng	98
26) 2-Nitrophenol	9.605	139	439246	44.216	ng	97
27) 2,4-Dimethylphenol	9.675	122	516381	41.398	ng	100
28) bis(2-Chloroethoxy)met...	9.899	93	979779	39.048	ng	99
29) 2,4-Dichlorophenol	10.146	162	717600	42.193	ng	99
30) 1,2,4-Trichlorobenzene	10.352	180	724953	39.784	ng	98
31) Naphthalene	10.540	128	2394237	38.845	ng	100
32) Benzoic acid	9.846	122	659564m	45.380	ng	
33) 4-Chloroaniline	10.652	127	918291	42.307	ng	100
34) Hexachlorobutadiene	10.822	225	438090	40.912	ng	100
35) Caprolactam	11.451	113	278657	44.404	ng	98
36) 4-Chloro-3-methylphenol	11.787	107	860793	43.453	ng	98
37) 2-Methylnaphthalene	12.151	142	1713544	40.087	ng	98
38) 1-Methylnaphthalene	12.369	142	1697285	40.589	ng	99
40) 1,2,4,5-Tetrachloroben...	12.522	216	850659	39.672	ng	100
41) Hexachlorocyclopentadiene	12.498	237	424954	56.036	ng	97
43) 2,4,6-Trichlorophenol	12.763	196	597925	41.942	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042425\
Data File : BP024407.D
Acq On : 24 Apr 2025 11:50
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Apr 24 12:15:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

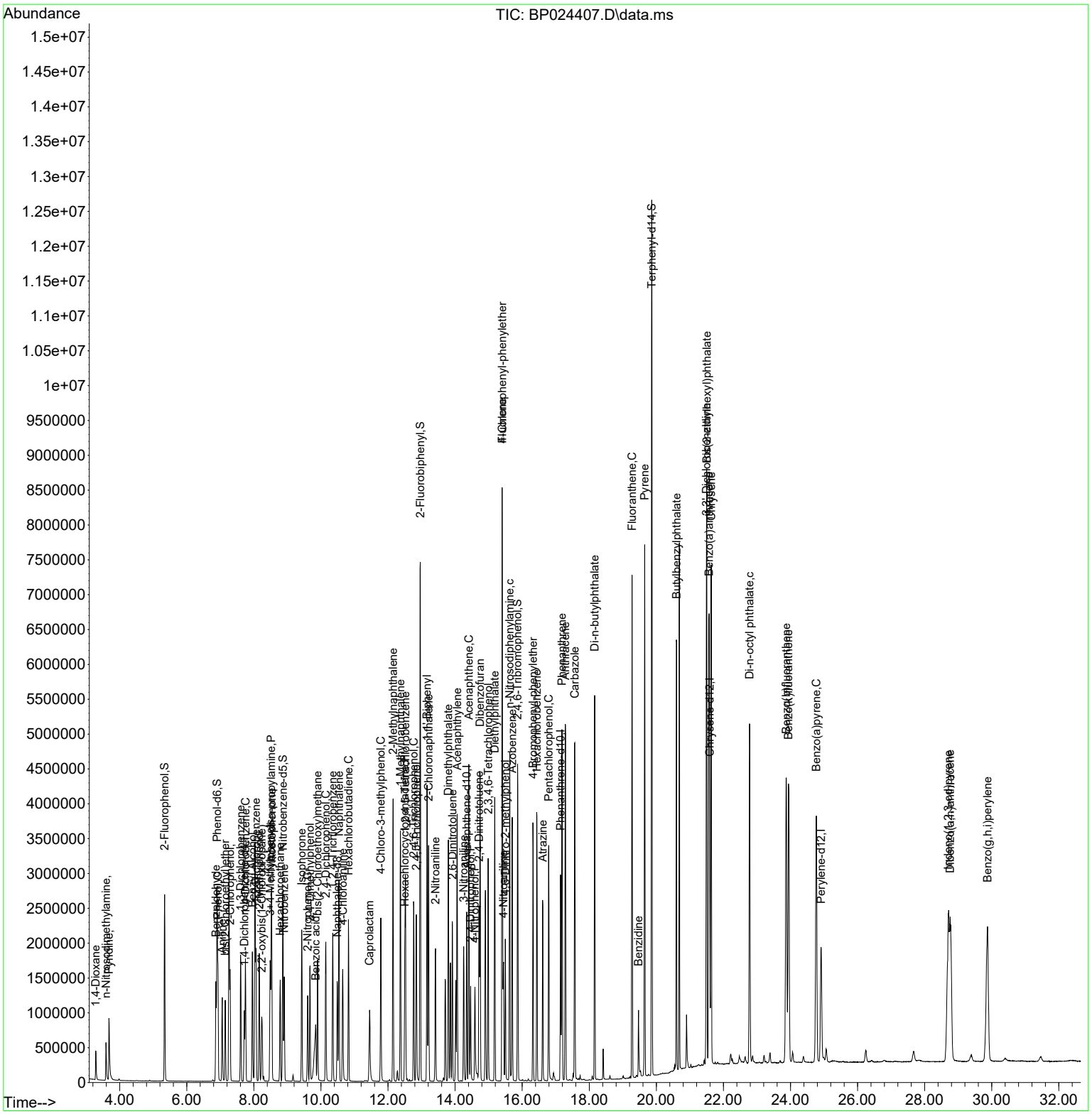
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.846	196	663246	42.013	ng		97
46) 1,1'-Biphenyl	13.163	154	2236886	39.029	ng		99
47) 2-Chloronaphthalene	13.210	162	1661655	38.792	ng		99
48) 2-Nitroaniline	13.416	65	526747	43.839	ng		96
49) Acenaphthylene	14.063	152	2687335	39.847	ng		100
50) Dimethylphthalate	13.798	163	2303980	40.633	ng		99
51) 2,6-Dinitrotoluene	13.922	165	503619	41.826	ng		100
52) Acenaphthene	14.410	154	1655003	38.708	ng		99
53) 3-Nitroaniline	14.257	138	536644	42.406	ng		98
54) 2,4-Dinitrophenol	14.463	184	310039	43.713	ng		95
55) Dibenzofuran	14.745	168	2736685	39.159	ng		98
56) 4-Nitrophenol	14.592	139	457560	41.865	ng		95
57) 2,4-Dinitrotoluene	14.716	165	722949	44.015	ng		99
58) Fluorene	15.404	166	2144324	39.635	ng		100
59) 2,3,4,6-Tetrachlorophenol	14.987	232	620466	42.614	ng		99
60) Diethylphthalate	15.181	149	2471010	42.288	ng		100
61) 4-Chlorophenyl-phenyle...	15.404	204	1068759	40.681	ng		100
62) 4-Nitroaniline	15.445	138	579706	43.272	ng		94
63) Azobenzene	15.704	77	2131468	39.687	ng		98
65) 4,6-Dinitro-2-methylph...	15.498	198	425190	42.954	ng		98
66) n-Nitrosodiphenylamine	15.628	169	1890902	40.349	ng		100
67) 4-Bromophenyl-phenylether	16.322	248	702500	40.910	ng		97
68) Hexachlorobenzene	16.439	284	853717	41.839	ng		99
69) Atrazine	16.616	200	490024	41.055	ng		99
70) Pentachlorophenol	16.792	266	617904	43.408	ng		100
71) Phenanthrene	17.186	178	3302338	38.555	ng		100
72) Anthracene	17.286	178	3309153	40.086	ng		100
73) Carbazole	17.569	167	3206693	39.756	ng		99
74) Di-n-butylphthalate	18.163	149	4265197	42.444	ng		100
75) Fluoranthene	19.275	202	3991039	39.178	ng		99
77) Benzidine	19.469	184	591260	27.257	ng		99
78) Pyrene	19.651	202	4195478	38.577	ng		100
80) Butylbenzylphthalate	20.604	149	1980424	42.514	ng		95
81) Benzo(a)anthracene	21.569	228	4110259	38.642	ng		100
82) 3,3'-Dichlorobenzidine	21.492	252	1408933	37.739	ng		100
83) Chrysene	21.633	228	3894941	38.221	ng		99
84) Bis(2-ethylhexyl)phtha...	21.504	149	2798907	40.987	ng		99
85) Di-n-octyl phthalate	22.780	149	4566557	41.134	ng		100
87) Indeno(1,2,3-cd)pyrene	28.703	276	4283420	34.474	ng	#	94
88) Benzo(b)fluoranthene	23.874	252	4299486	40.079	ng		98
89) Benzo(k)fluoranthene	23.939	252	4063370	39.213	ng		99
90) Benzo(a)pyrene	24.768	252	3640156	39.338	ng		98
91) Dibenzo(a,h)anthracene	28.762	278	3522244	34.153	ng		98
92) Benzo(g,h,i)perylene	29.874	276	3536061	33.686	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042425\
Data File : BP024407.D
Acq On : 24 Apr 2025 11:50
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Apr 24 12:15:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration



Sample Results: **BP024407.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042425\
Data File : BP024407.D
Acq On : 24 Apr 2025 11:50
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 24 12:15:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
2		1,4-Dioxane	0.512	0.464	9.4	97	0.00
3		Pyridine	1.351	1.207	10.7	93	0.00
4		n-Nitrosodimethylamine	0.448	0.454	-1.3	107	0.00
5	S	2-Fluorophenol	1.210	1.166	3.6	100	0.00
6		Aniline	1.480	1.462	1.2	99	0.00
7	S	Phenol-d6	1.656	1.634	1.3	100	0.00
8		2-Chlorophenol	1.350	1.334	1.2	102	0.00
9		Benzaldehyde	0.819	0.944	-15.3	121	-0.01
10	C	Phenol	1.661	1.631	1.8	100	-0.01
11		bis(2-Chloroethyl)ether	1.339	1.270	5.2	98	-0.01
12		1,3-Dichlorobenzene	1.454	1.400	3.7	101	-0.01
13	C	1,4-Dichlorobenzene	1.475	1.415	4.1	102	0.00
14		1,2-Dichlorobenzene	1.424	1.361	4.4	101	-0.01
15		Benzyl Alcohol	1.071	1.180	-10.2	110	0.00
16		2,2'-oxybis(1-Chloropropane	1.447	1.410	2.6	100	-0.01
17		2-Methylphenol	1.075	1.115	-3.7	105	0.00
18		Hexachloroethane	0.533	0.532	0.2	106	0.00
19	P	n-Nitroso-di-n-propylamine	1.025	1.056	-3.0	105	0.00
20		3+4-Methylphenols	1.491	1.567	-5.1	106	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	112	-0.01
22		Acetophenone	0.495	0.482	2.6	104	0.00
23	S	Nitrobenzene-d5	0.351	0.345	1.7	105	0.00
24		Nitrobenzene	0.347	0.337	2.9	103	0.00
25		Isophorone	0.635	0.652	-2.7	108	0.00
26	C	2-Nitrophenol	0.170	0.188	-10.6	114	-0.01
27		2,4-Dimethylphenol	0.213	0.221	-3.8	109	0.00
28		bis(2-Chloroethoxy)methane	0.429	0.419	2.3	103	-0.01
29	C	2,4-Dichlorophenol	0.291	0.307	-5.5	111	0.00
30		1,2,4-Trichlorobenzene	0.311	0.310	0.3	108	-0.01
31		Naphthalene	1.054	1.023	2.9	106	0.00
32		Benzoic acid	0.248	0.282	-13.7	130	0.02
33		4-Chloroaniline	0.371	0.392	-5.7	111	-0.01
34	C	Hexachlorobutadiene	0.183	0.187	-2.2	111	0.00
35		Caprolactam	0.107	0.119	-11.2	119	0.00
36	C	4-Chloro-3-methylphenol	0.339	0.368	-8.6	115	0.00
37		2-Methylnaphthalene	0.731	0.732	-0.1	108	0.00
38		1-Methylnaphthalene	0.715	0.725	-1.4	111	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	119	0.00
40		1,2,4,5-Tetrachlorobenzene	0.550	0.545	0.9	112	0.00
41	P	Hexachlorocyclopentadiene	0.195	0.273	-40.0#	149	-0.01
42	S	2,4,6-Tribromophenol	0.277	0.310	-11.9	127	0.00
43	C	2,4,6-Trichlorophenol	0.366	0.383	-4.6	117	-0.01
44		2,4,5-Trichlorophenol	0.405	0.425	-4.9	118	-0.01
45	S	2-Fluorobiphenyl	1.306	1.284	1.7	112	0.00
46		1,1'-Biphenyl	1.470	1.434	2.4	111	-0.01
47		2-Chloronaphthalene	1.099	1.066	3.0	111	0.00

Sample Results: **BP024407.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042425\
Data File : BP024407.D
Acq On : 24 Apr 2025 11:50
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 24 12:15:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.308	0.338	-9.7	121	0.00
49		Acenaphthylene	1.730	1.723	0.4	113	0.00
50		Dimethylphthalate	1.454	1.477	-1.6	117	-0.01
51		2,6-Dinitrotoluene	0.309	0.323	-4.5	118	0.00
52	C	Acenaphthene	1.097	1.061	3.3	112	-0.01
53		3-Nitroaniline	0.325	0.344	-5.8	115	0.00
54	P	2,4-Dinitrophenol	0.182	0.199	-9.3	127	0.00
55		Dibenzofuran	1.793	1.755	2.1	114	-0.01
56	P	4-Nitrophenol	0.280	0.293	-4.6	114	0.00
57		2,4-Dinitrotoluene	0.421	0.464	-10.2	123	0.00
58		Fluorene	1.388	1.375	0.9	117	-0.01
59		2,3,4,6-Tetrachlorophenol	0.373	0.398	-6.7	121	0.00
60		Diethylphthalate	1.499	1.585	-5.7	121	-0.01
61		4-Chlorophenyl-phenylether	0.674	0.685	-1.6	120	0.00
62		4-Nitroaniline	0.344	0.372	-8.1	119	0.00
63		Azobenzene	1.378	1.367	0.8	113	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	123	0.00
65		4,6-Dinitro-2-methylphenol	0.126	0.135	-7.1	127	0.00
66	c	n-Nitrosodiphenylamine	0.597	0.602	-0.8	118	0.00
67		4-Bromophenyl-phenylether	0.219	0.224	-2.3	120	0.00
68		Hexachlorobenzene	0.260	0.272	-4.6	123	0.00
69		Atrazine	0.152	0.156	-2.6	159#	0.00
70	C	Pentachlorophenol	0.181	0.197	-8.8	124	0.00
71		Phenanthrene	1.091	1.052	3.6	115	0.00
72		Anthracene	1.052	1.054	-0.2	117	0.00
73		Carbazole	1.027	1.021	0.6	116	0.00
74		Di-n-butylphthalate	1.280	1.358	-6.1	119	0.00
75	C	Fluoranthene	1.298	1.271	2.1	116	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	127	0.00
77		Benzidine	0.254	0.173	31.9#	50	-0.01
78		Pyrene	1.271	1.226	3.5	119	0.00
79	S	Terphenyl-d14	0.992	0.979	1.3	120	-0.01
80		Butylbenzylphthalate	0.544	0.579	-6.4	123	0.00
81		Benzo(a)anthracene	1.243	1.201	3.4	118	0.00
82		3,3'-Dichlorobenzidine	0.436	0.412	5.5	107	0.00
83		Chrysene	1.191	1.138	4.5	119	0.00
84		Bis(2-ethylhexyl)phthalate	0.798	0.818	-2.5	116	0.00
85	c	Di-n-octyl phthalate	1.297	1.334	-2.9	116	0.00
86	I	Perylene-d12	1.000	1.000	0.0	121	-0.02
87		Indeno(1,2,3-cd)pyrene	1.388	1.197	13.8	100	-0.04
88		Benzo(b)fluoranthene	1.199	1.201	-0.2	115	-0.01
89		Benzo(k)fluoranthene	1.158	1.135	2.0	113	-0.02
90	C	Benzo(a)pyrene	1.034	1.017	1.6	112	-0.01
91		Dibenzo(a,h)anthracene	1.152	0.984	14.6	99	-0.04
92		Benzo(g,h,i)perylene	1.173	0.988	15.8	98	-0.02

Sample Results: **BP024407.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042425\
Data File : BP024407.D
Acq On : 24 Apr 2025 11:50
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 24 12:15:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BP024407.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042425\
Data File : BP024407.D
Acq On : 24 Apr 2025 11:50
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 24 12:15:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	107	0.00
2		1,4-Dioxane	40.000	36.302	9.2	97	0.00
3		Pyridine	40.000	35.750	10.6	93	0.00
4		n-Nitrosodimethylamine	40.000	40.512	-1.3	107	0.00
5	S	2-Fluorophenol	80.000	77.118	3.6	100	0.00
6		Aniline	40.000	39.511	1.2	99	0.00
7	S	Phenol-d6	80.000	78.917	1.4	100	0.00
8		2-Chlorophenol	40.000	39.512	1.2	102	0.00
9		Benzaldehyde	40.000	46.095	-15.2	121	-0.01
10	C	Phenol	40.000	39.261	1.8	100	-0.01
11		bis(2-Chloroethyl)ether	40.000	37.961	5.1	98	-0.01
12		1,3-Dichlorobenzene	40.000	38.511	3.7	101	-0.01
13	C	1,4-Dichlorobenzene	40.000	38.379	4.1	102	0.00
14		1,2-Dichlorobenzene	40.000	38.221	4.4	101	-0.01
15		Benzyl Alcohol	40.000	44.081	-10.2	110	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.967	2.6	100	-0.01
17		2-Methylphenol	40.000	41.486	-3.7	105	0.00
18		Hexachloroethane	40.000	39.952	0.1	106	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.231	-3.1	105	0.00
20		3+4-Methylphenols	40.000	42.017	-5.0	106	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	112	-0.01
22		Acetophenone	40.000	38.955	2.6	104	0.00
23	S	Nitrobenzene-d5	80.000	78.756	1.6	105	0.00
24		Nitrobenzene	40.000	38.855	2.9	103	0.00
25		Isophorone	40.000	41.094	-2.7	108	0.00
26	C	2-Nitrophenol	40.000	44.216	-10.5	114	-0.01
27		2,4-Dimethylphenol	40.000	41.398	-3.5	109	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.048	2.4	103	-0.01
29	C	2,4-Dichlorophenol	40.000	42.193	-5.5	111	0.00
30		1,2,4-Trichlorobenzene	40.000	39.784	0.5	108	-0.01
31		Naphthalene	40.000	38.845	2.9	106	0.00
32		Benzoic acid	40.000	45.380	-13.5	130	0.02
33		4-Chloroaniline	40.000	42.307	-5.8	111	-0.01
34	C	Hexachlorobutadiene	40.000	40.912	-2.3	111	0.00
35		Caprolactam	40.000	44.404	-11.0	119	0.00
36	C	4-Chloro-3-methylphenol	40.000	43.453	-8.6	115	0.00
37		2-Methylnaphthalene	40.000	40.087	-0.2	108	0.00
38		1-Methylnaphthalene	40.000	40.589	-1.5	111	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	119	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.672	0.8	112	0.00
41	P	Hexachlorocyclopentadiene	40.000	56.036	-40.1#	149	-0.01
42	S	2,4,6-Tribromophenol	80.000	89.660	-12.1	127	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.942	-4.9	117	-0.01
44		2,4,5-Trichlorophenol	40.000	42.013	-5.0	118	-0.01
45	S	2-Fluorobiphenyl	80.000	78.627	1.7	112	0.00
46		1,1'-Biphenyl	40.000	39.029	2.4	111	-0.01
47		2-Chloronaphthalene	40.000	38.792	3.0	111	0.00

Sample Results: **BP024407.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042425\
Data File : BP024407.D
Acq On : 24 Apr 2025 11:50
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 24 12:15:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	43.839	-9.6	121	0.00
49		Acenaphthylene	40.000	39.847	0.4	113	0.00
50		Dimethylphthalate	40.000	40.633	-1.6	117	-0.01
51		2,6-Dinitrotoluene	40.000	41.826	-4.6	118	0.00
52	C	Acenaphthene	40.000	38.708	3.2	112	-0.01
53		3-Nitroaniline	40.000	42.406	-6.0	115	0.00
54	P	2,4-Dinitrophenol	40.000	43.713	-9.3	127	0.00
55		Dibenzofuran	40.000	39.159	2.1	114	-0.01
56	P	4-Nitrophenol	40.000	41.865	-4.7	114	0.00
57		2,4-Dinitrotoluene	40.000	44.015	-10.0	123	0.00
58		Fluorene	40.000	39.635	0.9	117	-0.01
59		2,3,4,6-Tetrachlorophenol	40.000	42.614	-6.5	121	0.00
60		Diethylphthalate	40.000	42.288	-5.7	121	-0.01
61		4-Chlorophenyl-phenylether	40.000	40.681	-1.7	120	0.00
62		4-Nitroaniline	40.000	43.272	-8.2	119	0.00
63		Azobenzene	40.000	39.687	0.8	113	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	123	0.00
65		4,6-Dinitro-2-methylphenol	40.000	42.954	-7.4	127	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.349	-0.9	118	0.00
67		4-Bromophenyl-phenylether	40.000	40.910	-2.3	120	0.00
68		Hexachlorobenzene	40.000	41.839	-4.6	123	0.00
69		Atrazine	40.000	41.055	-2.6	159	0.00
70	C	Pentachlorophenol	40.000	43.408	-8.5	124	0.00
71		Phenanthrene	40.000	38.555	3.6	115	0.00
72		Anthracene	40.000	40.086	-0.2	117	0.00
73		Carbazole	40.000	39.756	0.6	116	0.00
74		Di-n-butylphthalate	40.000	42.444	-6.1	119	0.00
75	C	Fluoranthene	40.000	39.178	2.1	116	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	127	0.00
77		Benzidine	40.000	27.257	31.9#	50	-0.01
78		Pyrene	40.000	38.577	3.6	119	0.00
79	S	Terphenyl-d14	80.000	78.971	1.3	120	-0.01
80		Butylbenzylphthalate	40.000	42.514	-6.3	123	0.00
81		Benzo(a)anthracene	40.000	38.642	3.4	118	0.00
82		3,3'-Dichlorobenzidine	40.000	37.739	5.7	107	0.00
83		Chrysene	40.000	38.221	4.4	119	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	40.987	-2.5	116	0.00
85	c	Di-n-octyl phthalate	40.000	41.134	-2.8	116	0.00
86	I	Perylene-d12	20.000	20.000	0.0	121	-0.02
87		Indeno(1,2,3-cd)pyrene	40.000	34.474	13.8	100	-0.04
88		Benzo(b)fluoranthene	40.000	40.079	-0.2	115	-0.01
89		Benzo(k)fluoranthene	40.000	39.213	2.0	113	-0.02
90	C	Benzo(a)pyrene	40.000	39.338	1.7	112	-0.01
91		Dibenzo(a,h)anthracene	40.000	34.153	14.6	99	-0.04
92		Benzo(g,h,i)perylene	40.000	33.686	15.8	98	-0.02

Sample Results: **BP024407.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042425\
Data File : BP024407.D
Acq On : 24 Apr 2025 11:50
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 24 12:15:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

QC SAMPLE DATA

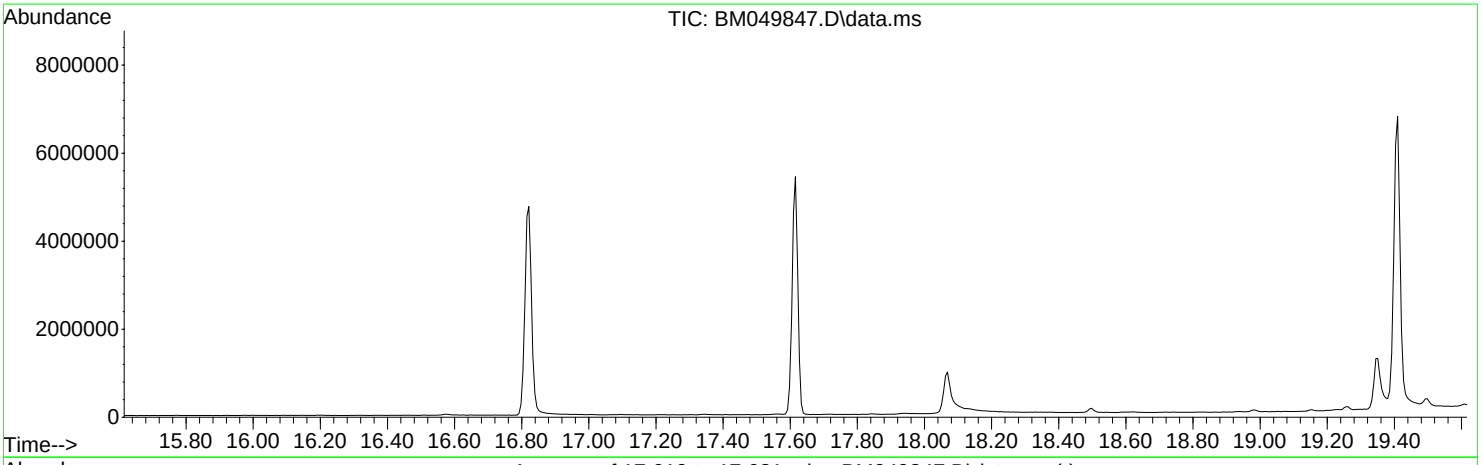
Sample Results: **BM049847.D**

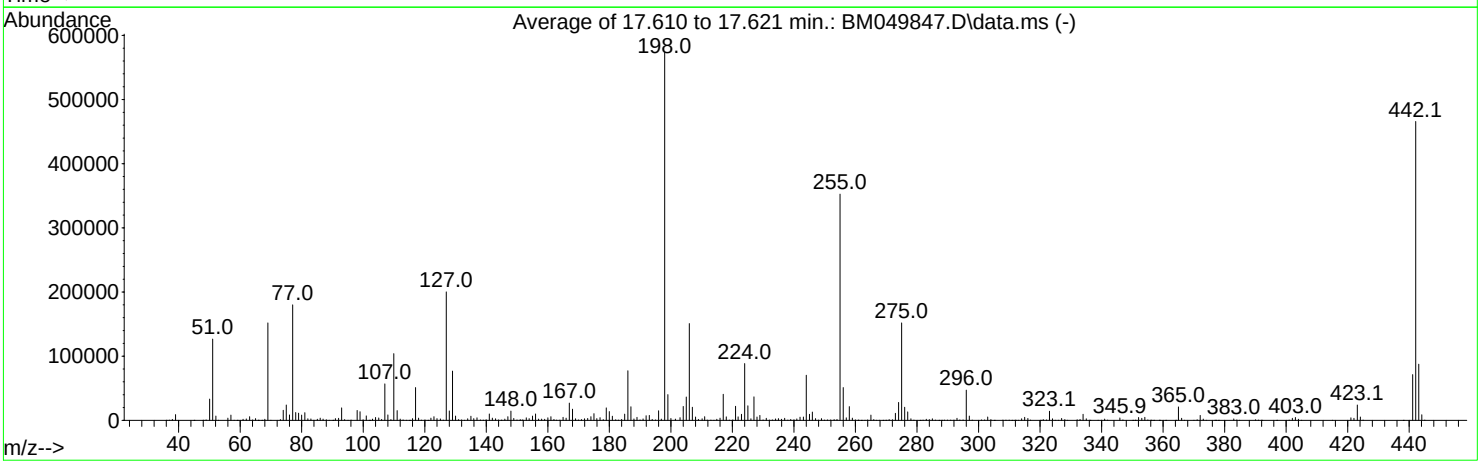
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049847.D
Acq On : 08 Apr 2025 12:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Apr 09 04:00:55 2025





AutoFind: Scans 2486, 2487, 2488; Background Corrected with Scan 2479

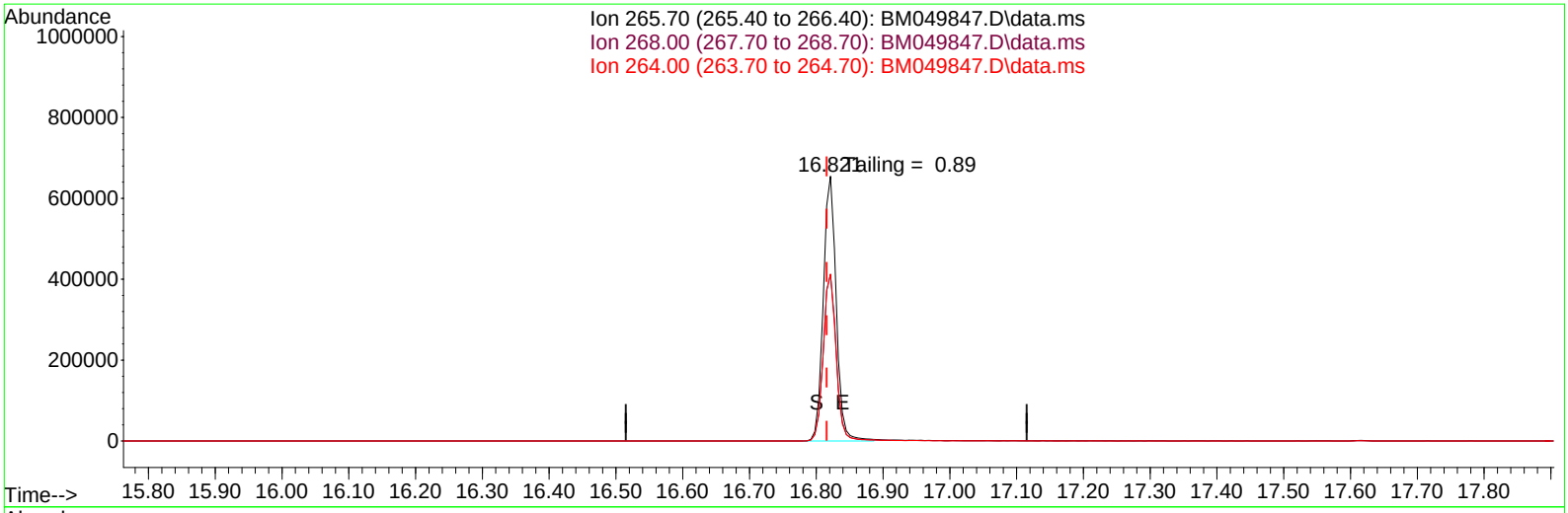
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	22.1	126723	PASS
68	69	0.00	2	1.2	1886	PASS
69	198	0.00	100	26.5	151989	PASS
70	69	0.00	2	0.3	382	PASS
127	198	10	80	34.9	200277	PASS
197	198	0.00	2	0.4	2141	PASS
198	198	100	100	100.0	573312	PASS
199	198	5	9	7.0	40037	PASS
275	198	10	60	26.5	151747	PASS
365	198	1	100	3.7	21032	PASS
441	198	0.01	100	12.4	71269	PASS
442	442	50	100	100.0	465813	PASS
443	442	15	24	18.8	87675	PASS

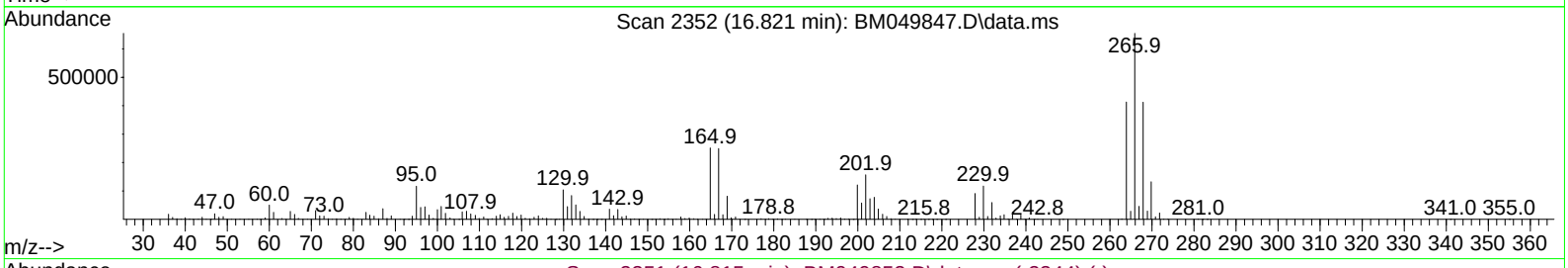
Sample Results: **BM049847.D**

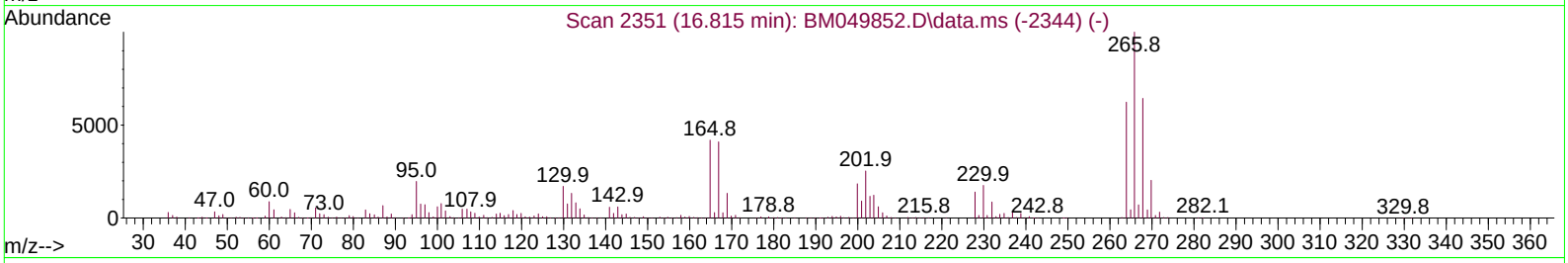
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049847.D
Acq On : 08 Apr 2025 12:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 09 04:09:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration







TIC: BM049847.D\data.ms

(70) Pentachlorophenol (C)

16.821min (+ 0.006) 230006.58 ng m

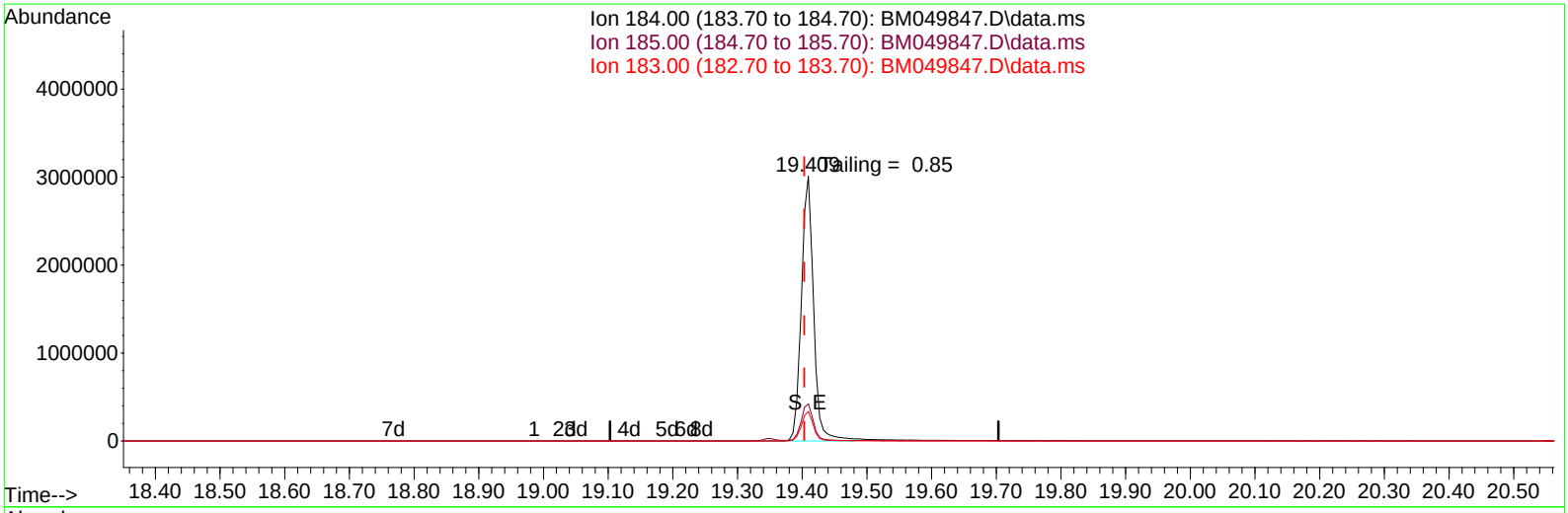
response 888392

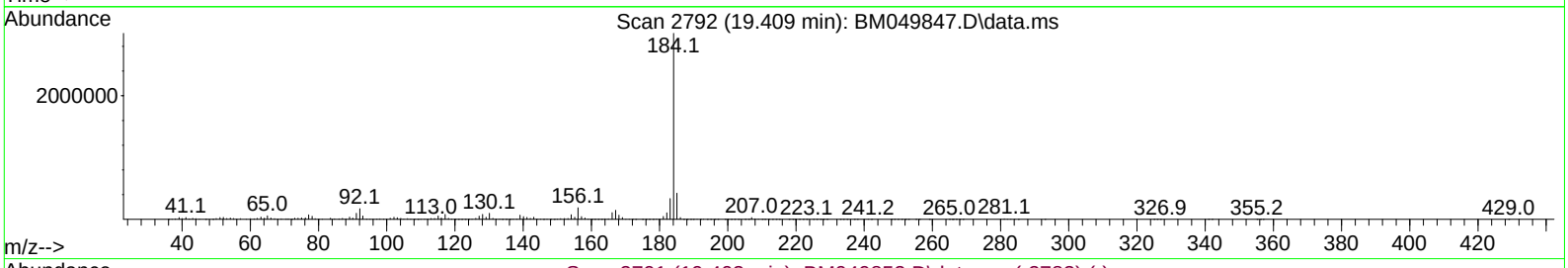
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.30	62.99
264.00	62.30	63.04
0.00	0.00	0.00

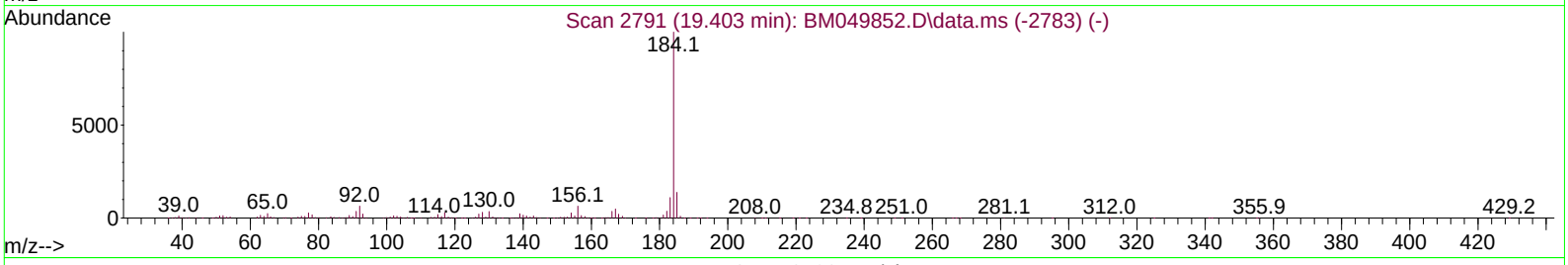
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049847.D
Acq On : 08 Apr 2025 12:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 09 04:09:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration







TIC: BM049847.D\data.ms

(77) Benzidine

19.409min (+ 0.006) 842986.98 ng m

response 4014847

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	14.02
183.00	11.00	11.14
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
4/8/2025	BNA_M	BM049847.D
Compound Name	**Response**	**Retention Time**
DDT	1953764	20.645
DDD	24016	20.262
DDE	1854	19.704
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
25870	1979634	1.31

Instrument :
BNA_M
ClientSampleId :
DFTPP

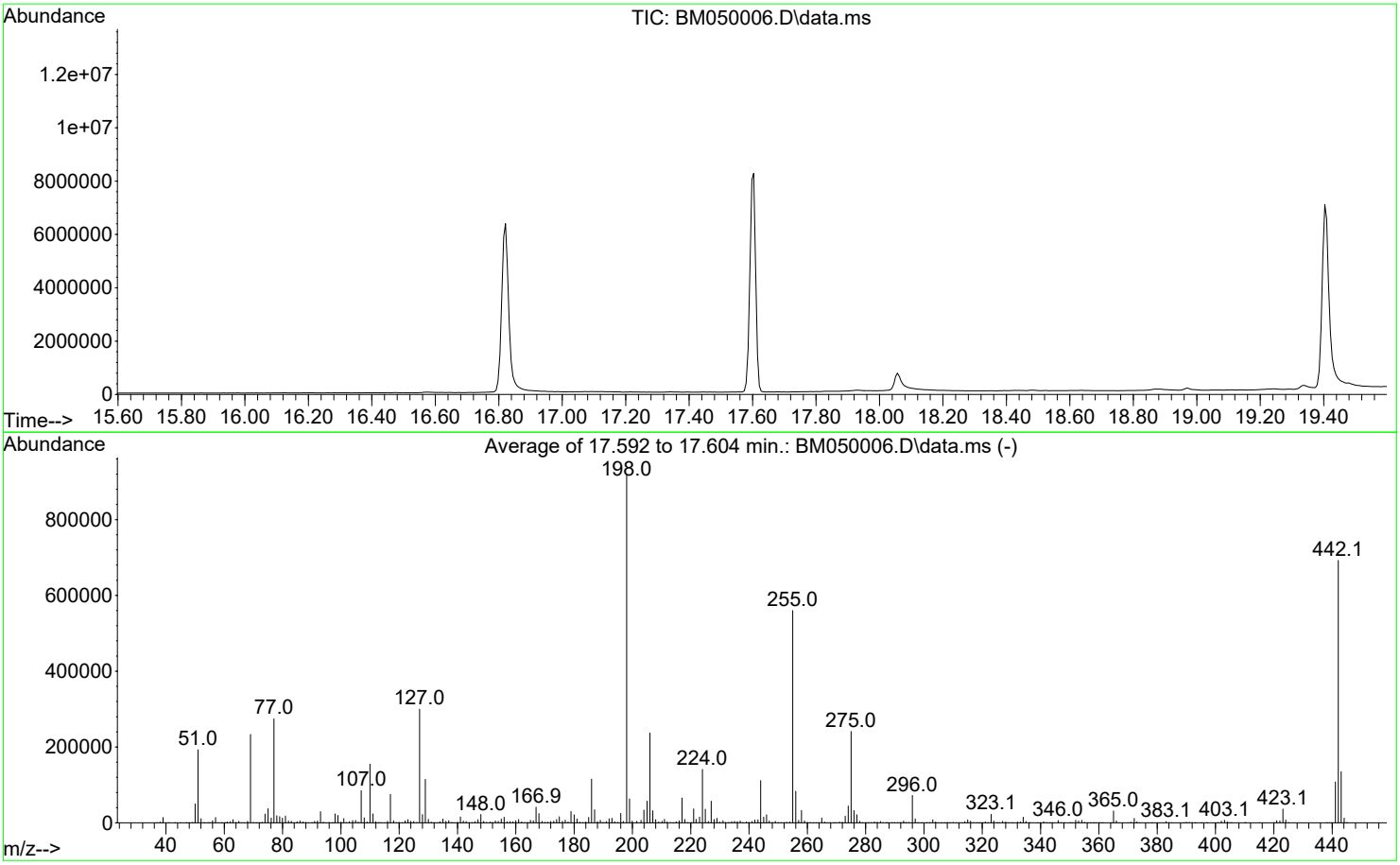
Sample Results: **BM050006.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
Data File : BM050006.D
Acq On : 23 Apr 2025 09:18
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Apr 09 04:00:55 2025



AutoFind: Scans 2483, 2484, 2485; Background Corrected with Scan 2473

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	21.0	192612	PASS
68	69	0.00	2	1.6	3841	PASS
69	198	0.00	100	25.4	233033	PASS
70	69	0.00	2	0.6	1328	PASS
127	198	10	80	32.7	299883	PASS
197	198	0.00	2	0.4	3585	PASS
198	198	100	100	100.0	917653	PASS
199	198	5	9	6.9	63249	PASS
275	198	10	60	26.3	241259	PASS
365	198	1	100	3.4	31304	PASS
441	198	0.01	100	11.7	107717	PASS
442	442	50	100	100.0	692331	PASS
443	442	15	24	19.5	134877	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
4/23/2025	BNA_M	BM050006.D
Compound Name	**Response**	**Retention Time**
DDT	3184215	20.639
DDD	62677	20.197
DDE	4399	19.692
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
67076	3251291	2.06

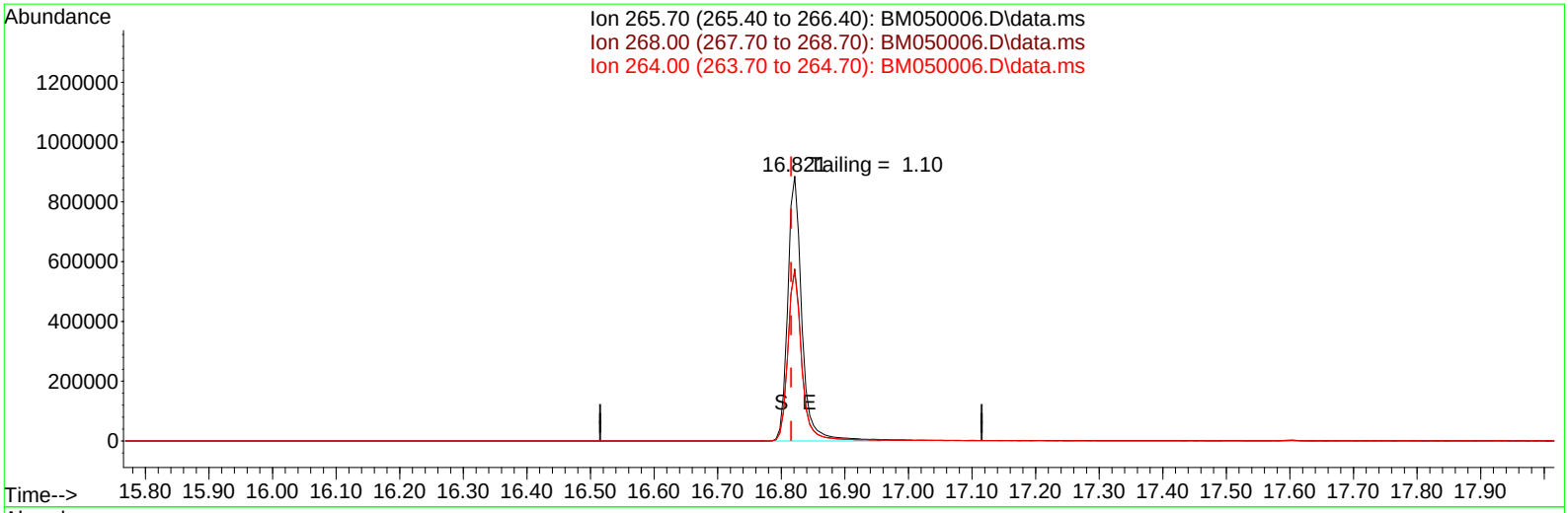
Instrument :
BNA_M
ClientSampleId :
DFTPP

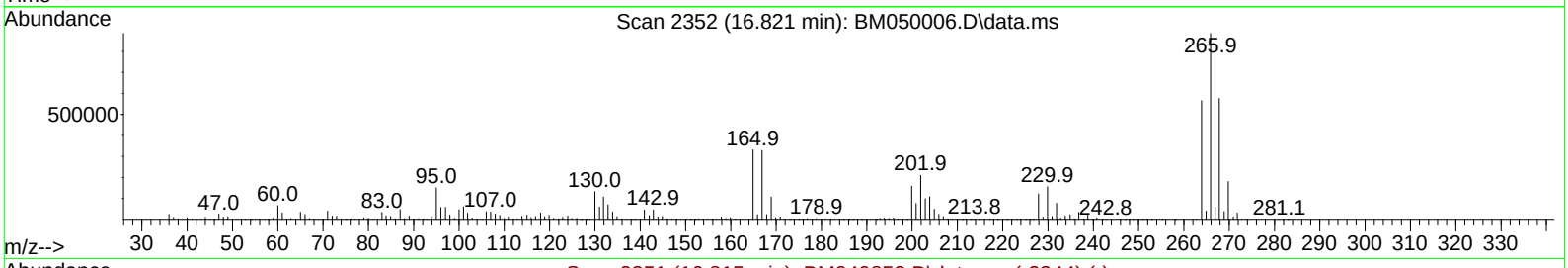
Sample Results: **BM050006.D**

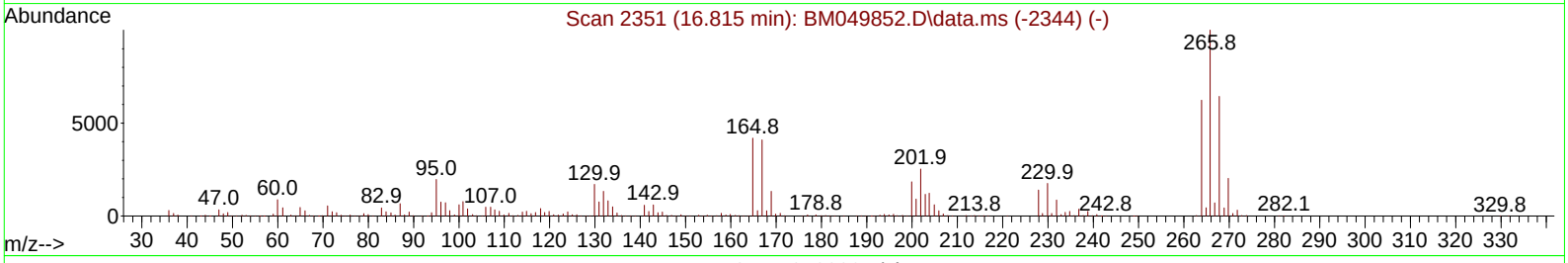
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
Data File : BM050006.D
Acq On : 23 Apr 2025 09:18
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 23 11:32:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration







TIC: BM050006.D\data.ms

(70) Pentachlorophenol (C)

16.821min (+ 0.006) 187980.23 ng

response 1389478

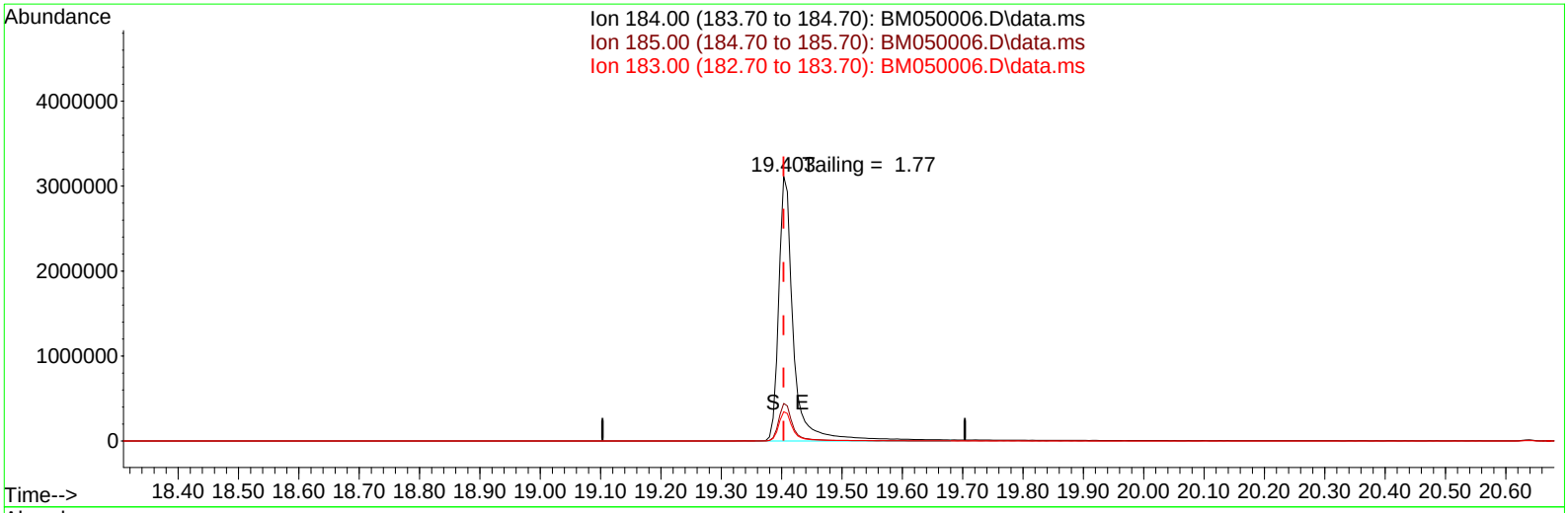
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.30	65.00
264.00	62.30	63.85
0.00	0.00	0.00

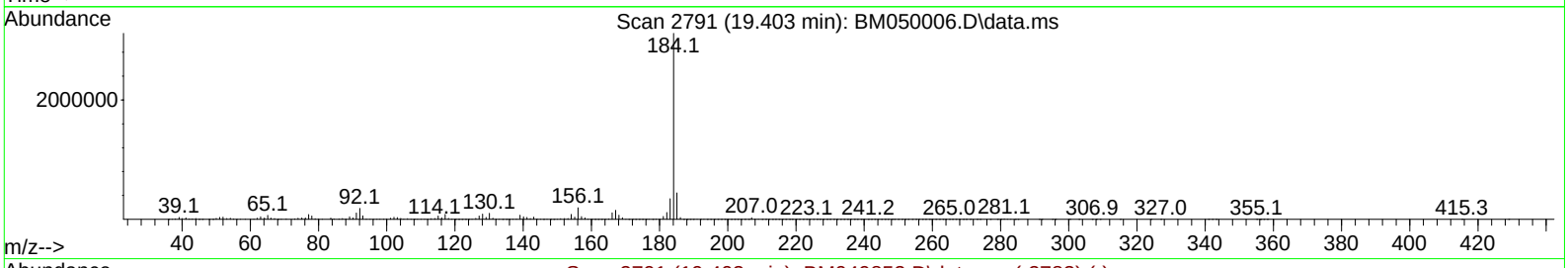
Sample Results: **BM050006.D**

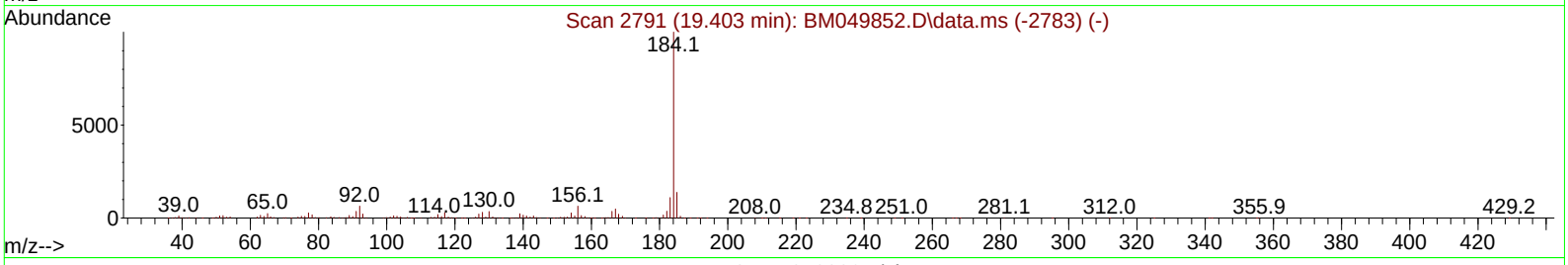
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
Data File : BM050006.D
Acq On : 23 Apr 2025 09:18
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 23 11:32:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration







TIC: BM050006.D\data.ms

(77) Benzidine

19.403min (-0.000) 191649.01 ng

response 5336699

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	14.24
183.00	11.00	11.04
0.00	0.00	0.00

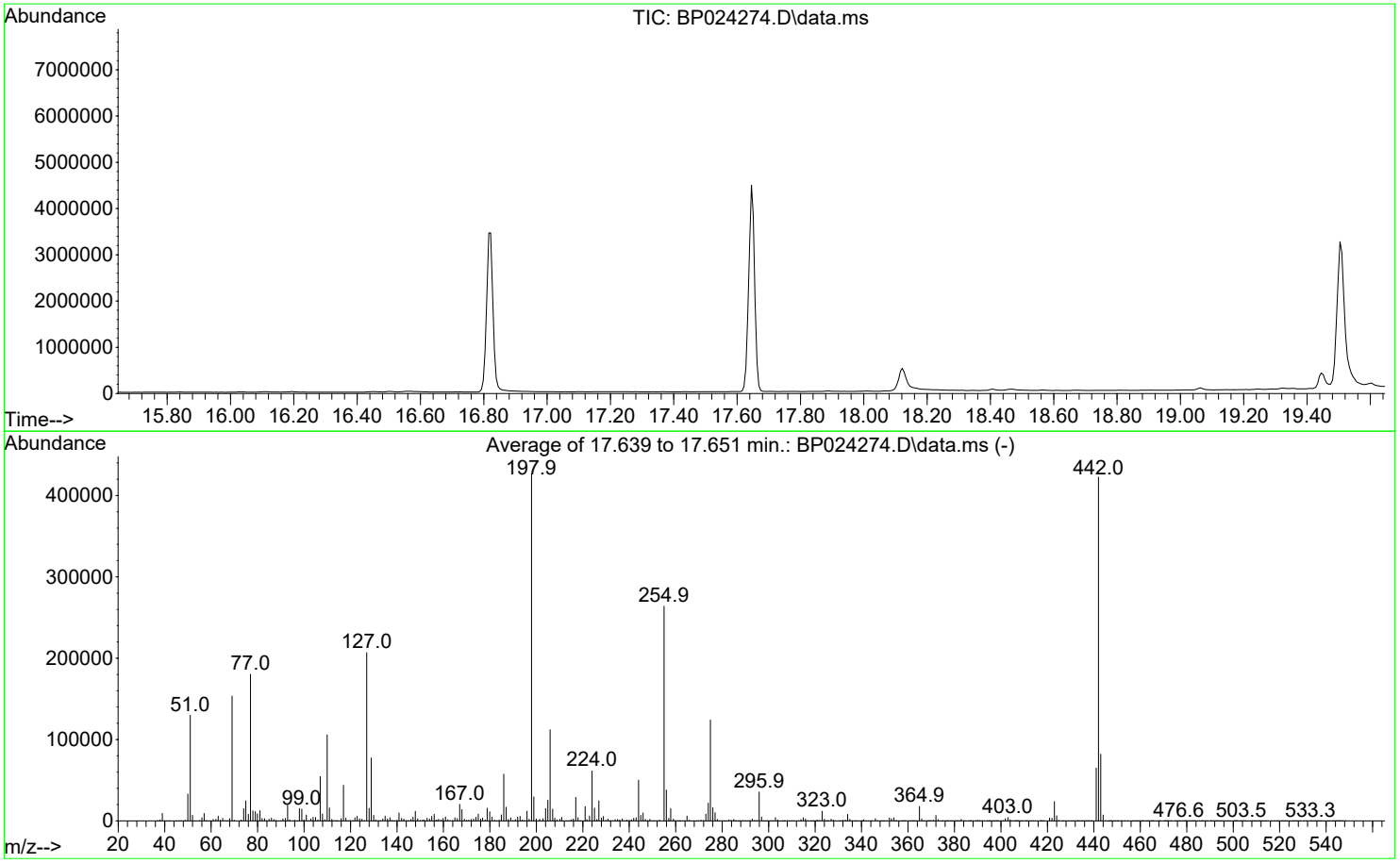
Sample Results: **BP024274.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024274.D
Acq On : 14 Apr 2025 10:25
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Apr 15 04:48:42 2025



AutoFind: Scans 2474, 2475, 2476; Background Corrected with Scan 2463

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	30.4	129796	PASS
68	69	0.00	2	1.8	2815	PASS
69	198	0.00	100	36.0	153442	PASS
70	69	0.00	2	0.5	836	PASS
127	198	10	80	48.5	206858	PASS
197	198	0.00	2	0.5	2122	PASS
198	198	100	100	100.0	426527	PASS
199	198	5	9	6.9	29549	PASS
275	198	10	60	29.1	124199	PASS
365	198	1	100	4.1	17663	PASS
441	198	0.01	100	15.2	64862	PASS
442	442	100	100	100.0	422528	PASS
443	442	15	24	19.4	82090	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
4/14/2025	BNA_P	BP024274.D
Compound Name	**Response**	**Retention Time**
DDT	1715151	20.798
DDD	26002	20.386
DDE	1572	19.81
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
27574	1742725	1.58

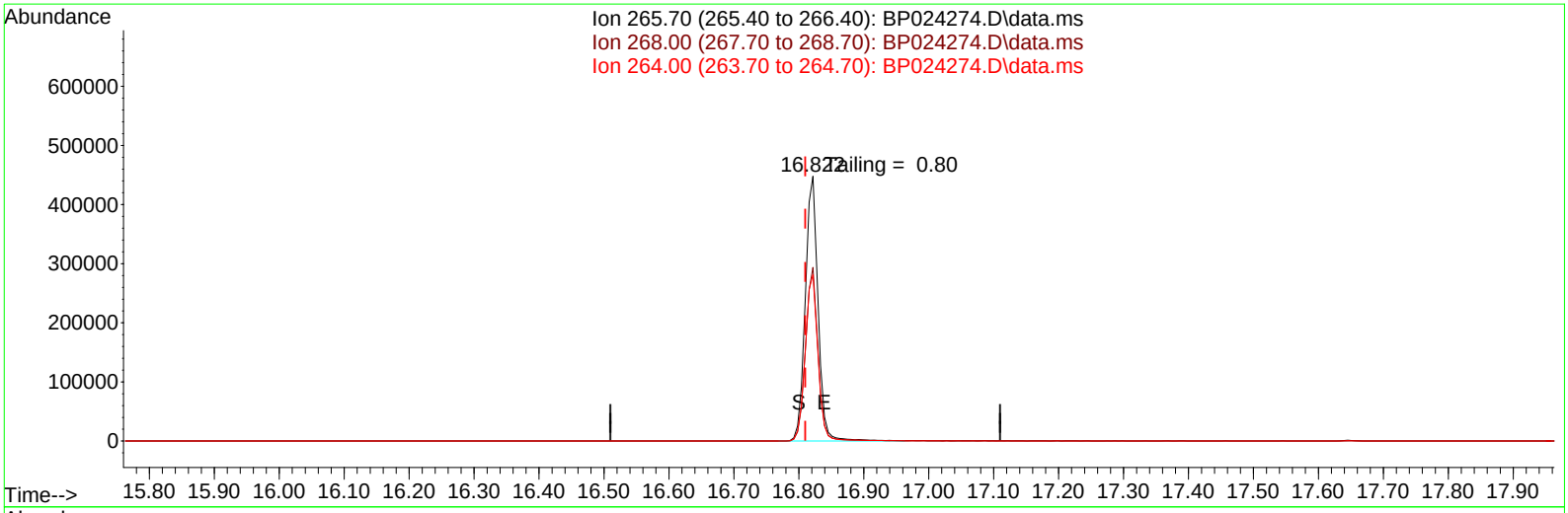
Instrument :
BNA_P
ClientSampleId :
DFTPP

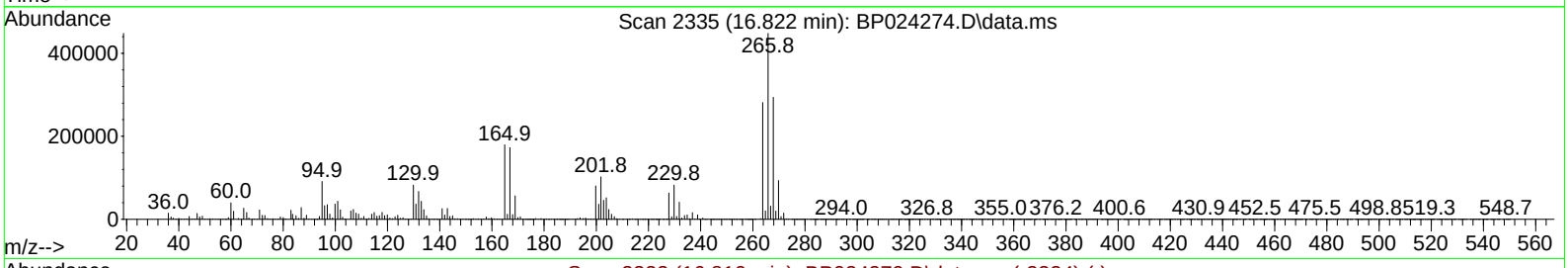
Sample Results: **BP024274.D**

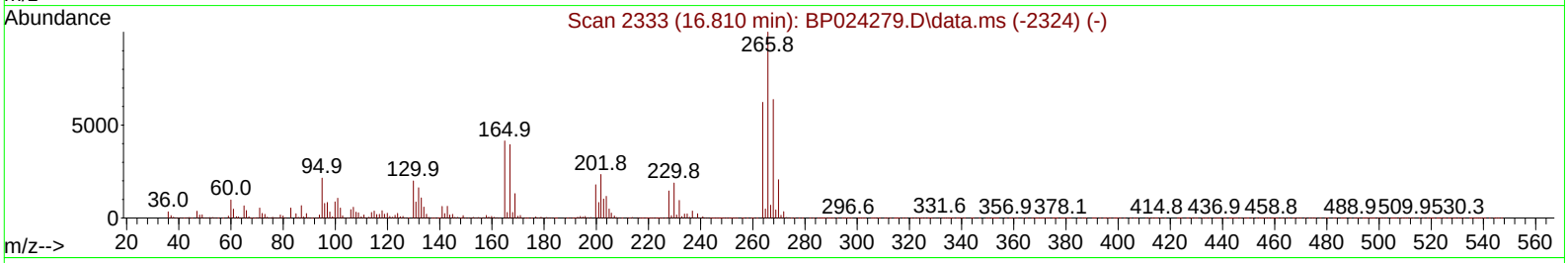
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024274.D
Acq On : 14 Apr 2025 10:25
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Apr 14 15:07:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 15:04:09 2025
Response via : Initial Calibration







TIC: BP024274.D\data.ms

(70) Pentachlorophenol (C)

16.822min (+ 0.012) 3117222.42 ng

response 611847

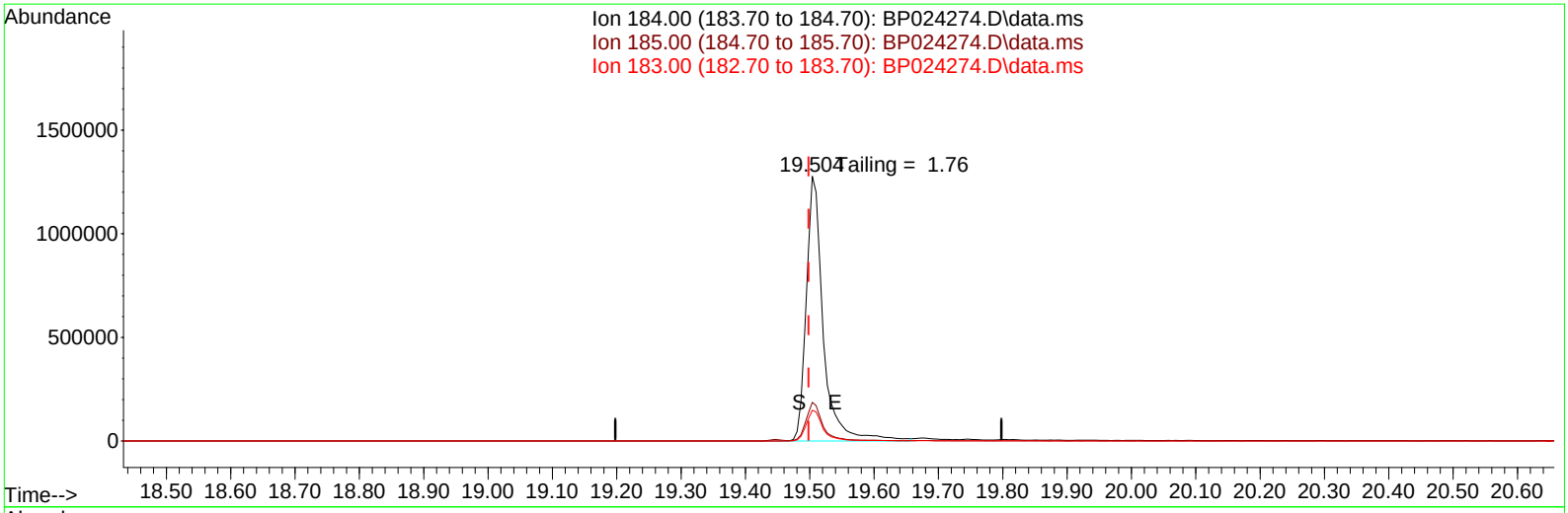
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	65.61
264.00	62.20	62.81
0.00	0.00	0.00

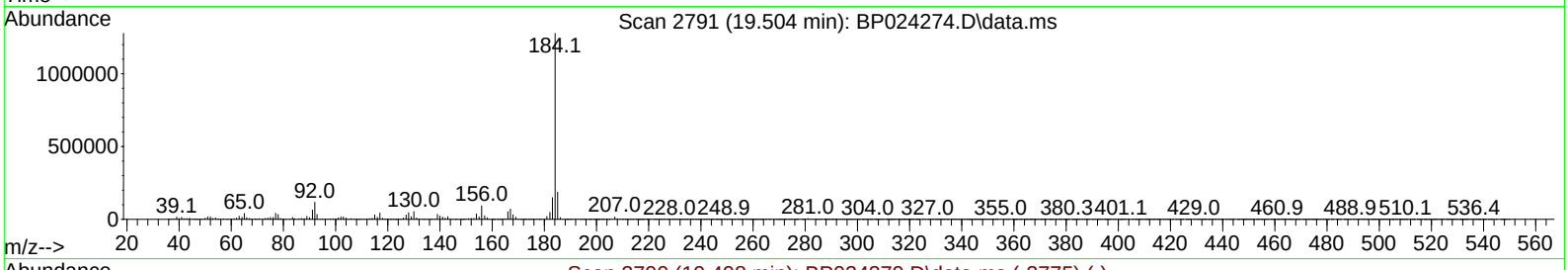
Sample Results: **BP024274.D**

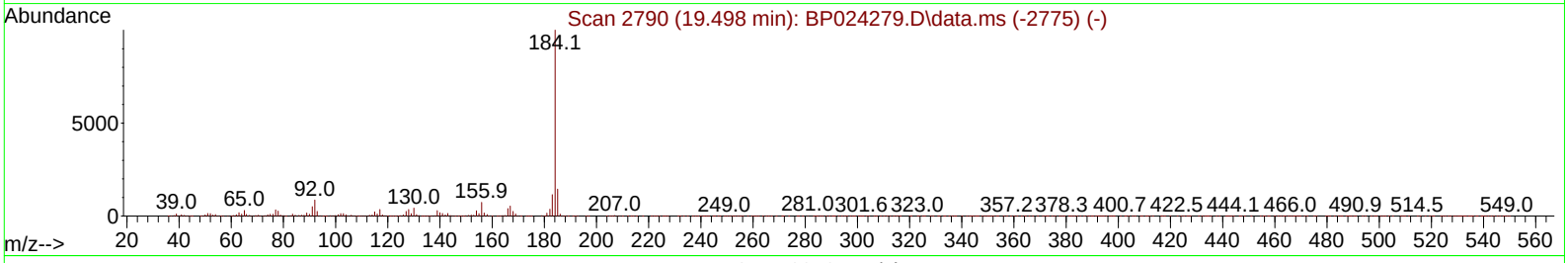
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024274.D
Acq On : 14 Apr 2025 10:25
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Apr 14 15:07:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 15:04:09 2025
Response via : Initial Calibration







TIC: BP024274.D\data.ms

(77) Benzidine

19.504min (+ 0.006) 7415471.13 ng

response 2354373

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.50	14.60
183.00	11.50	11.64
0.00	0.00	0.00

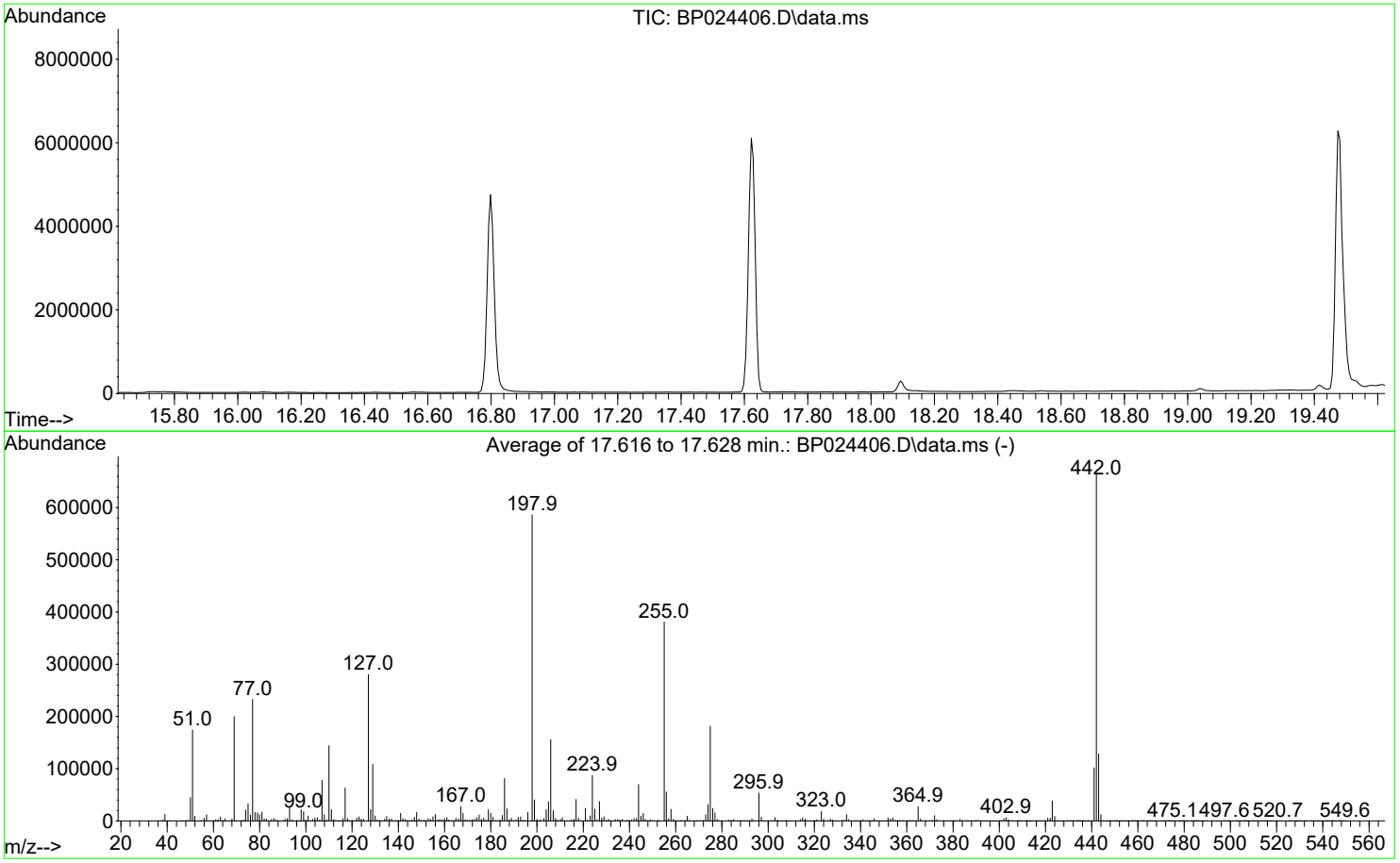
Sample Results: **BP024406.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042425\
Data File : BP024406.D
Acq On : 24 Apr 2025 11:10
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Apr 18 12:04:48 2025



AutoFind: Scans 2470, 2471, 2472; Background Corrected with Scan 2460

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	29.7	174345	PASS
68	69	0.00	2	1.7	3425	PASS
69	198	0.00	100	34.1	199717	PASS
70	69	0.00	2	0.5	989	PASS
127	198	10	80	47.8	280405	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	586148	PASS
199	198	5	9	6.8	40140	PASS
275	198	10	60	30.9	181200	PASS
365	198	1	100	4.7	27301	PASS
441	198	0.01	100	17.4	101899	PASS
442	442	100	100	100.0	664554	PASS
443	442	15	24	19.3	128227	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
4/24/2025	BNA_P	BP024406.D
Compound Name	**Response**	**Retention Time**
DDT	2177853	20.763
DDD	50858	20.31
DDE	2680	19.774
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
53538	2231391	2.40

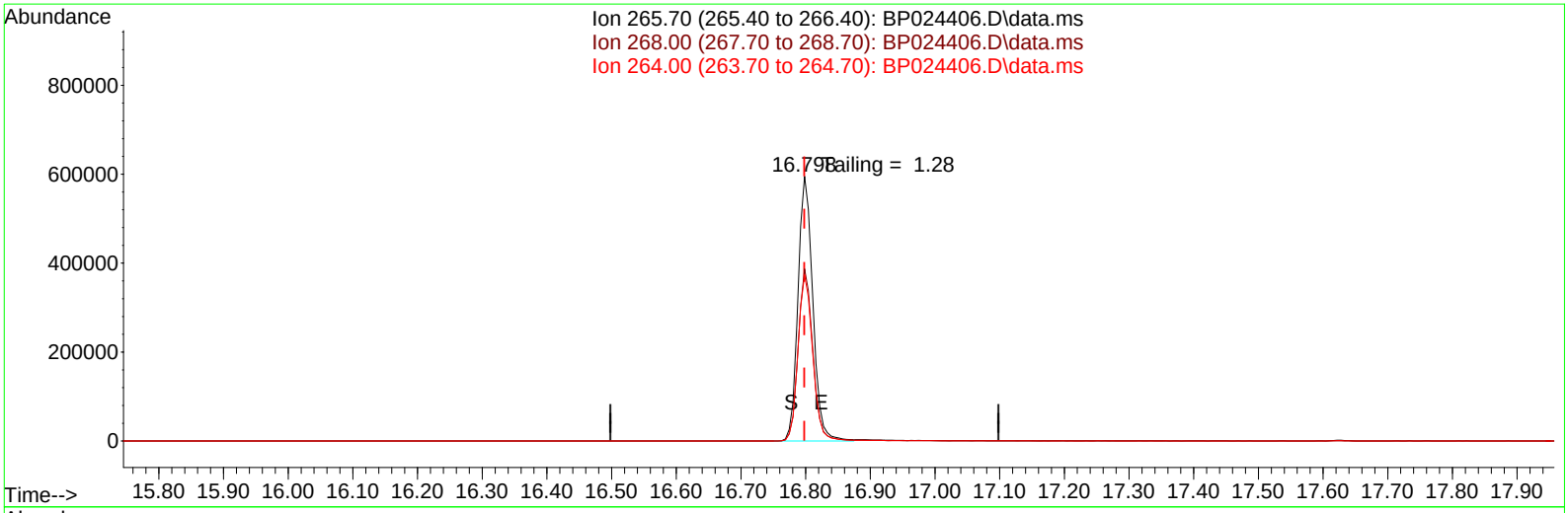
Instrument :
BNA_P
ClientSampleId :
DFTPP

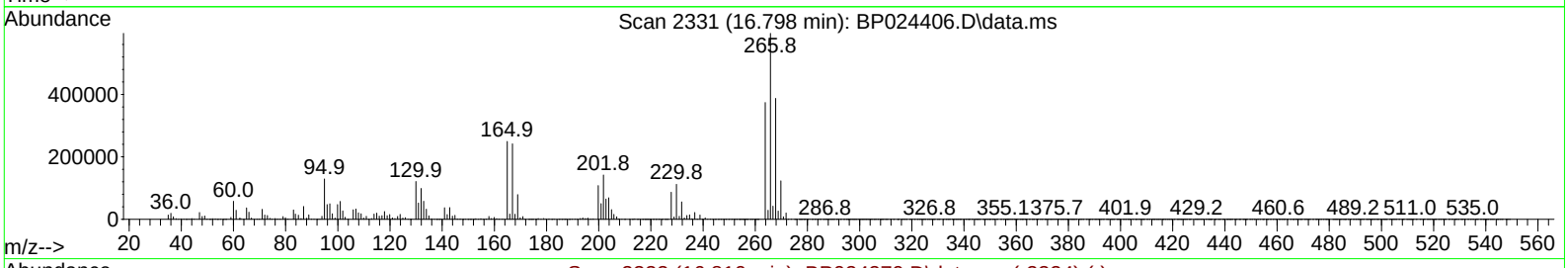
Sample Results: **BP024406.D**

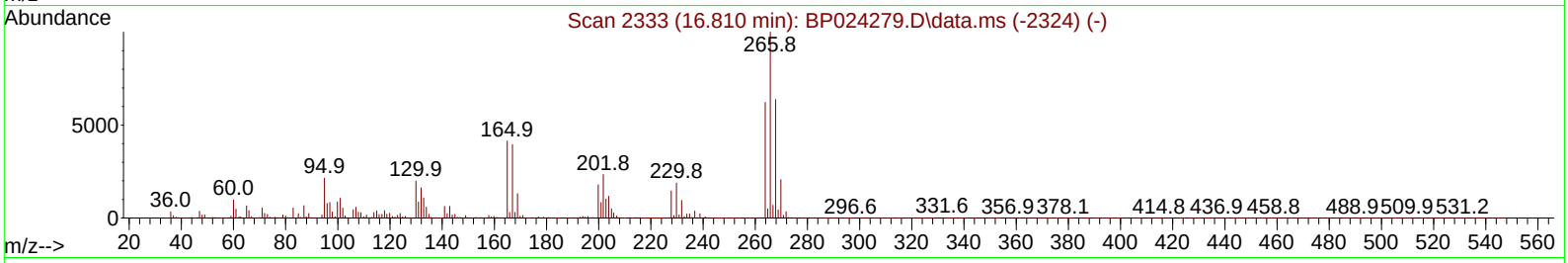
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042425\
Data File : BP024406.D
Acq On : 24 Apr 2025 11:10
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Apr 24 11:48:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration







TIC: BP024406.D\data.ms

(70) Pentachlorophenol (C)

16.798min (+ 0.000) 1949769.80 ng

response 954572

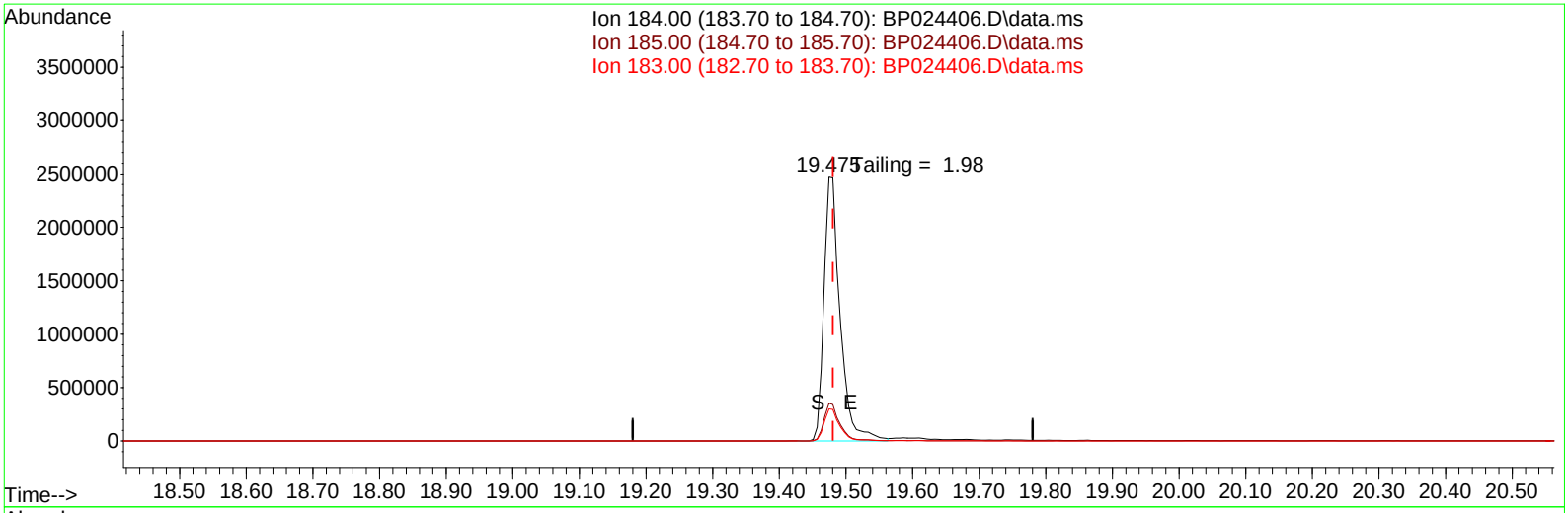
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	65.02
264.00	62.20	62.78
0.00	0.00	0.00

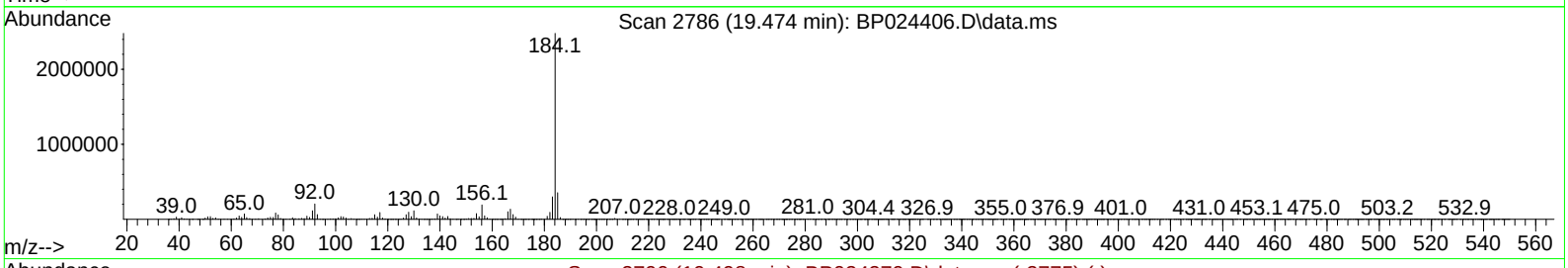
Sample Results: **BP024406.D**

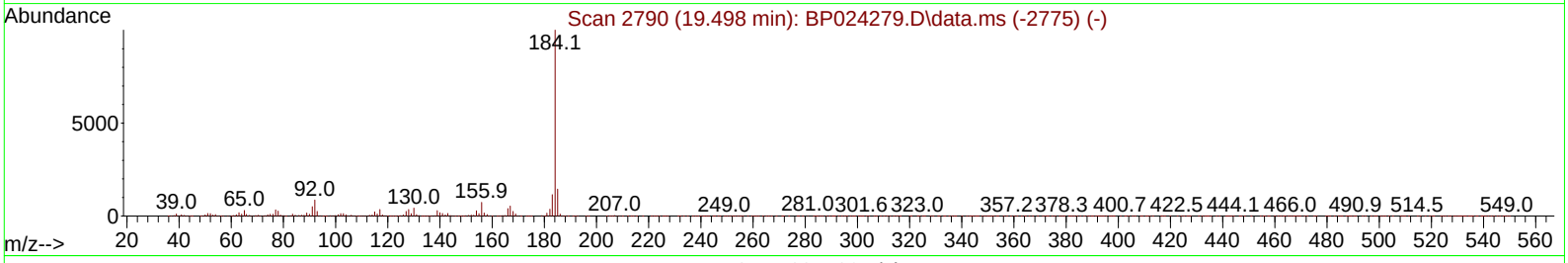
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042425\
Data File : BP024406.D
Acq On : 24 Apr 2025 11:10
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Apr 24 11:48:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration







TIC: BP024406.D\data.ms

(77) Benzidine

19.474min (-0.006) 159548.41 ng

response 4190436

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.50	14.28
183.00	11.50	12.13
0.00	0.00	0.00

Raw Data: **BP024408.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	
Project:	Henry Lea School			Date Received:	
Client Sample ID:	PB167711BL			SDG No.:	Q1858
Lab Sample ID:	PB167711BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024408.D	1	04/23/25 09:20	04/24/25 12:31	PB167711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	22.7	U	22.7	170	ug/Kg
86-73-7	Fluorene	25.3	U	25.3	170	ug/Kg
85-01-8	Phenanthrene	20.9	U	20.9	170	ug/Kg
120-12-7	Anthracene	33.3	U	33.3	170	ug/Kg
129-00-0	Pyrene	36.0	U	36.0	170	ug/Kg
56-55-3	Benzo(a)anthracene	23.0	U	23.0	170	ug/Kg
218-01-9	Chrysene	19.9	U	19.9	170	ug/Kg
205-99-2	Benzo(b)fluoranthene	19.0	U	19.0	170	ug/Kg
50-32-8	Benzo(a)pyrene	29.5	U	29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	29.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	25.7	U	25.7	170	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	91.5		18 - 107	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	92.2		20 - 109	92%	SPK: 100
1718-51-0	Terphenyl-d14	98.5		10 - 105	98%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	288000	7.722			
1146-65-2	Naphthalene-d8	1120000	10.486			
15067-26-2	Acenaphthene-d10	655000	14.339			
1517-22-2	Phenanthrene-d10	1180000	17.133			
1719-03-5	Chrysene-d12	1070000	21.574			
1520-96-3	Perylene-d12	1210000	24.915			

Raw Data: **BP024408.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:			
Project:	Henry Lea School			Date Received:			
Client Sample ID:	PB167711BL			SDG No.:	Q1858		
Lab Sample ID:	PB167711BL			Matrix:	SOIL		
Analytical Method:	SW8270			% Solid:	100		
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000		uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1		
Extraction Type :			Decanted : N	Level :	LOW		
Injection Volume :			GPC Factor : 1.0	GPC Cleanup :	N	PH :	
Prep Method :	SW3541						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024408.D	1	04/23/25 09:20	04/24/25 12:31	PB167711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042425\
Data File : BP024408.D
Acq On : 24 Apr 2025 12:31
Operator : RC/JU
Sample : PB167711BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167711BL

Quant Time: Apr 24 12:56:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

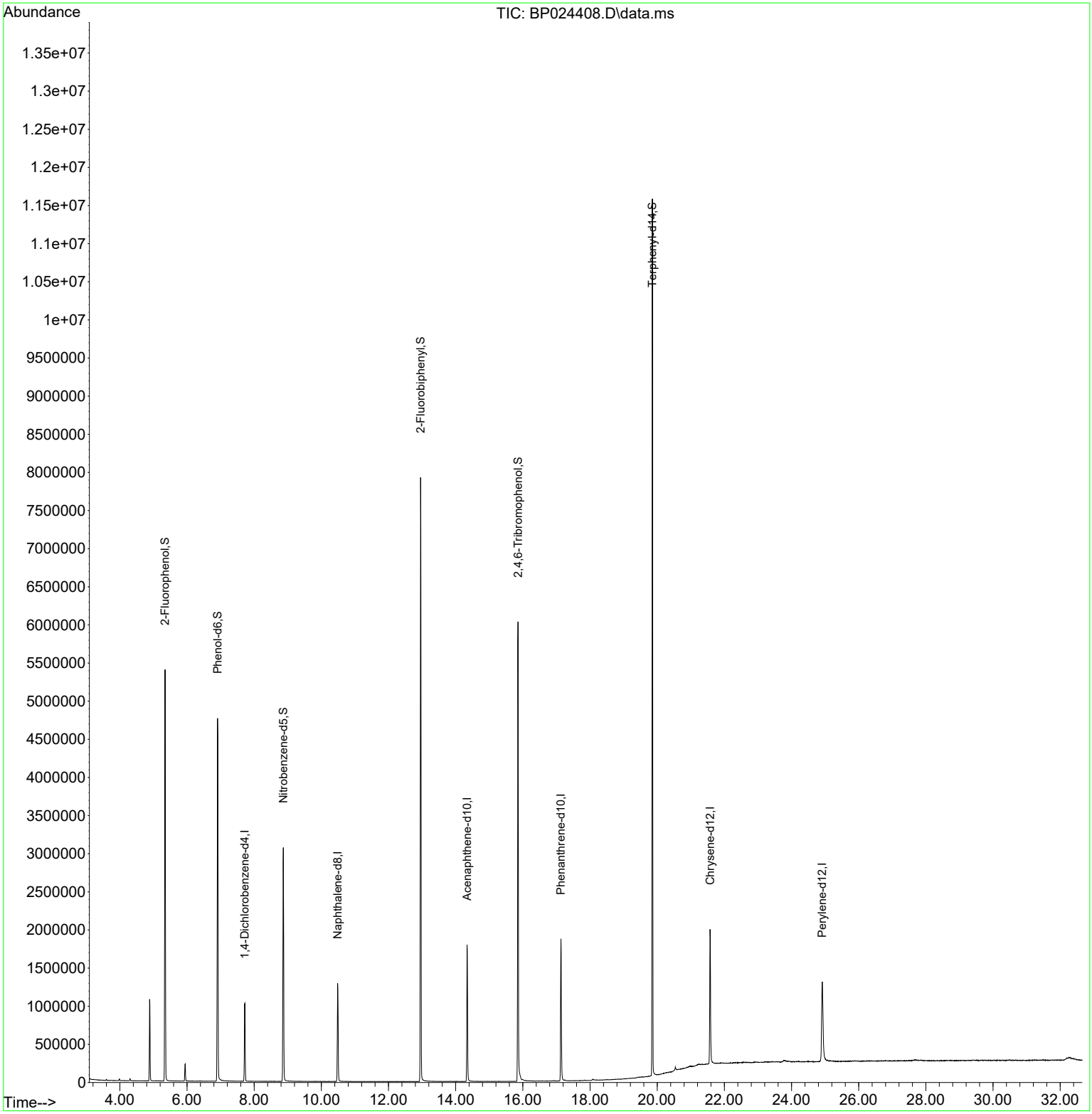
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.722	152	288156	20.000	ng	0.00
21) Naphthalene-d8	10.486	136	1116360	20.000	ng	-0.01
39) Acenaphthene-d10	14.339	164	654539	20.000	ng	-0.01
64) Phenanthrene-d10	17.133	188	1181165	20.000	ng	-0.01
76) Chrysene-d12	21.574	240	1074963	20.000	ng	-0.02
86) Perylene-d12	24.915	264	1210803	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	2338269	134.171	ng	0.00
7) Phenol-d6	6.910	99	2874772	120.469	ng	0.00
23) Nitrobenzene-d5	8.869	82	1792266	91.545	ng	0.00
42) 2,4,6-Tribromophenol	15.857	330	1257538	138.864	ng	0.00
45) 2-Fluorobiphenyl	12.957	172	3941973	92.211	ng	0.00
79) Terphenyl-d14	19.857	244	5252367	98.486	ng	-0.02
Target Compounds						Qvalue

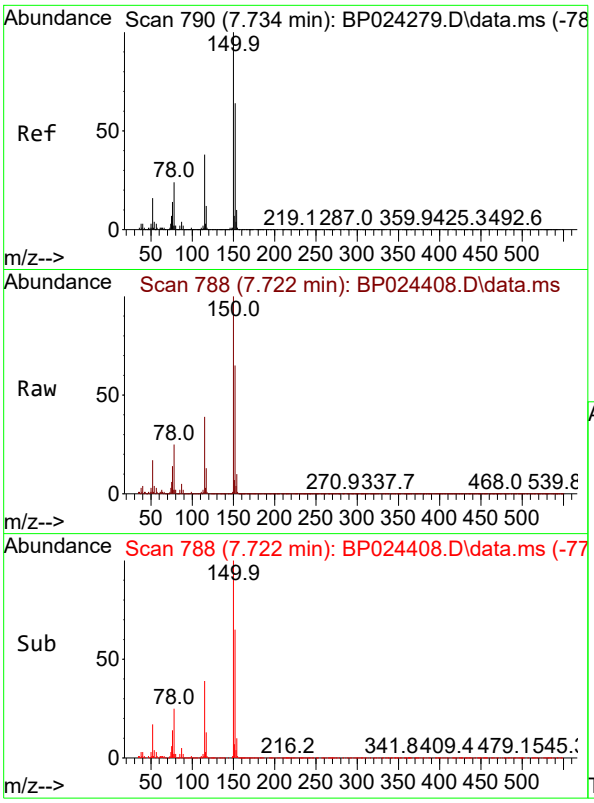
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042425\
Data File : BP024408.D
Acq On : 24 Apr 2025 12:31
Operator : RC/JU
Sample : PB167711BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167711BL

Quant Time: Apr 24 12:56:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration



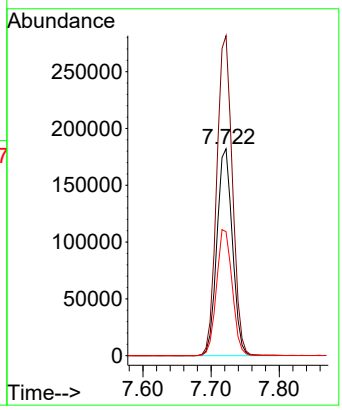


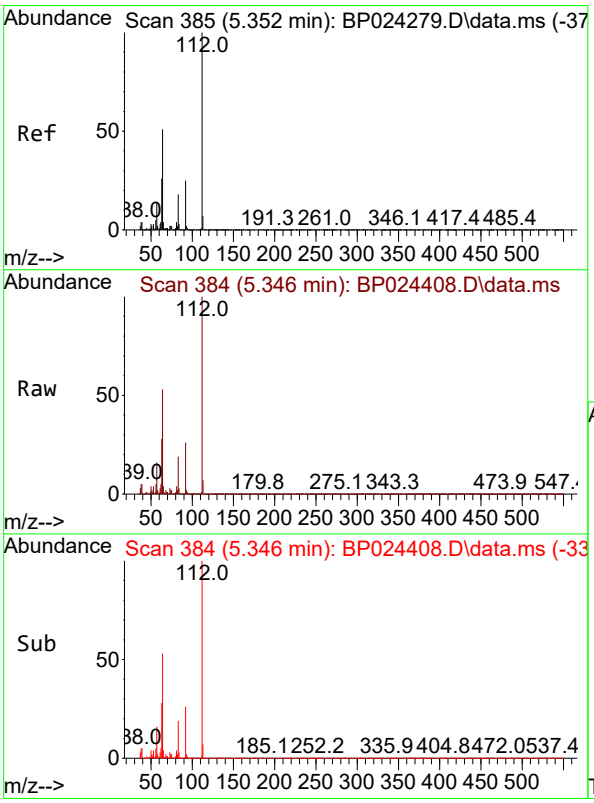
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.722 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024408.D
Acq: 24 Apr 2025 12:31

Instrument :
BNA_P
ClientSampleId :
PB167711BL

Tgt Ion:152 Resp: 288156

Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.9	187.3
115	59.9	47.7	71.5

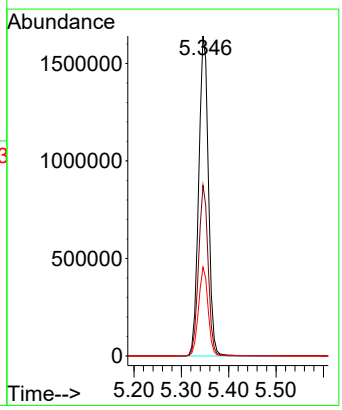


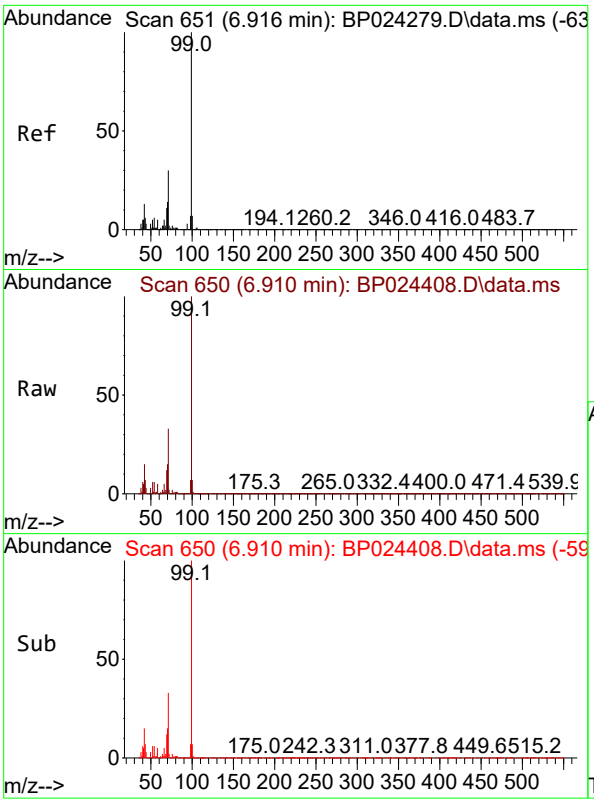


#5
2-Fluorophenol
Concen: 134.171 ng
RT: 5.346 min Scan# 384
Delta R.T. -0.000 min
Lab File: BP024408.D
Acq: 24 Apr 2025 12:31

Tgt Ion:112 Resp: 2338269

Ion	Ratio	Lower	Upper
112	100		
64	53.3	41.1	61.7
63	27.7	20.6	30.8



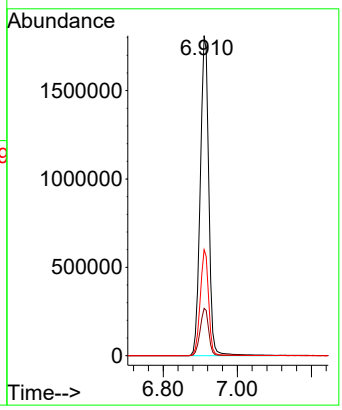


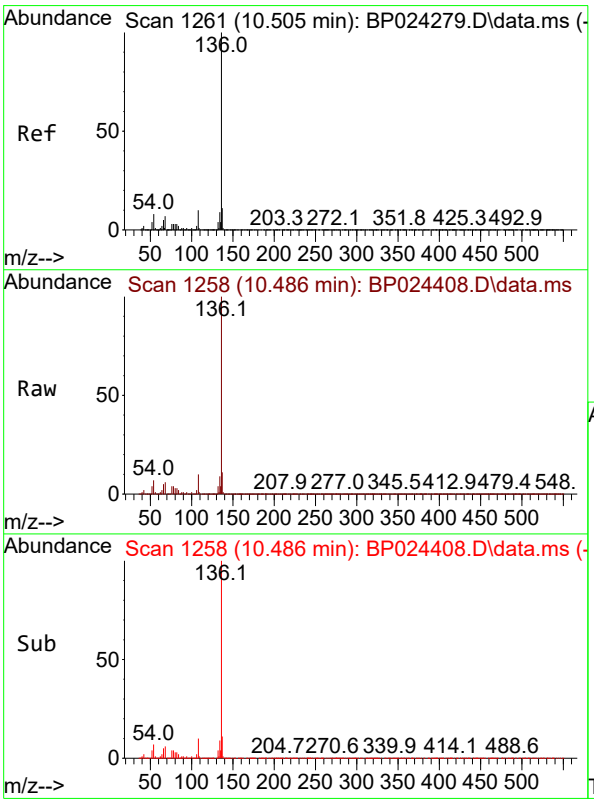
#7
Phenol-d6
Concen: 120.469 ng
RT: 6.910 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024408.D
Acq: 24 Apr 2025 12:31

Instrument :
BNA_P
ClientSampleId :
PB167711BL

Tgt Ion: 99 Resp: 2874772

Ion	Ratio	Lower	Upper
99	100		
42	14.8	10.6	16.0
71	33.1	23.7	35.5

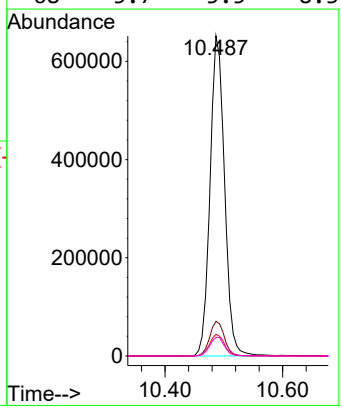


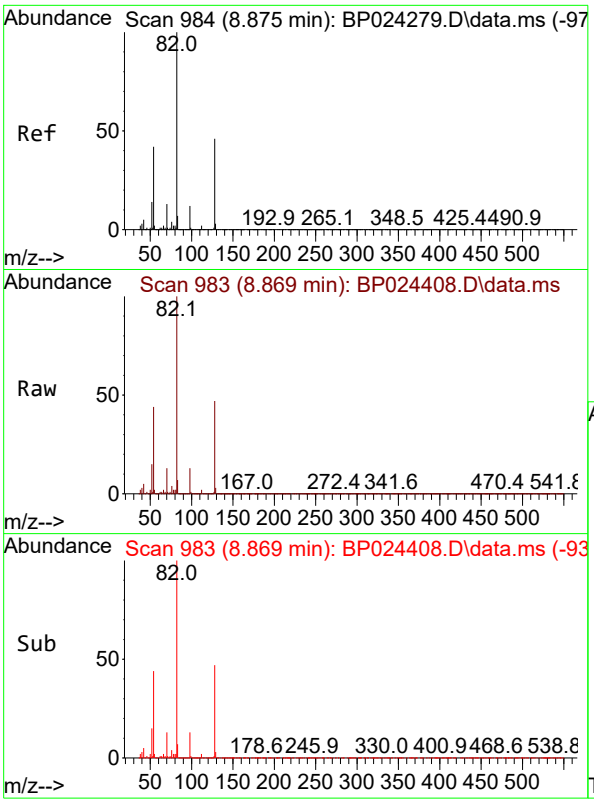


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.486 min Scan# 1258
Delta R.T. -0.012 min
Lab File: BP024408.D
Acq: 24 Apr 2025 12:31

Tgt Ion:136 Resp: 1116360

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	6.8	6.0	9.0
68	5.7	5.5	8.3



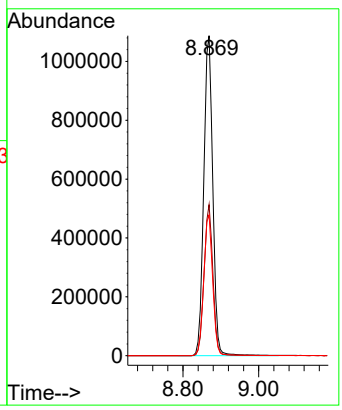


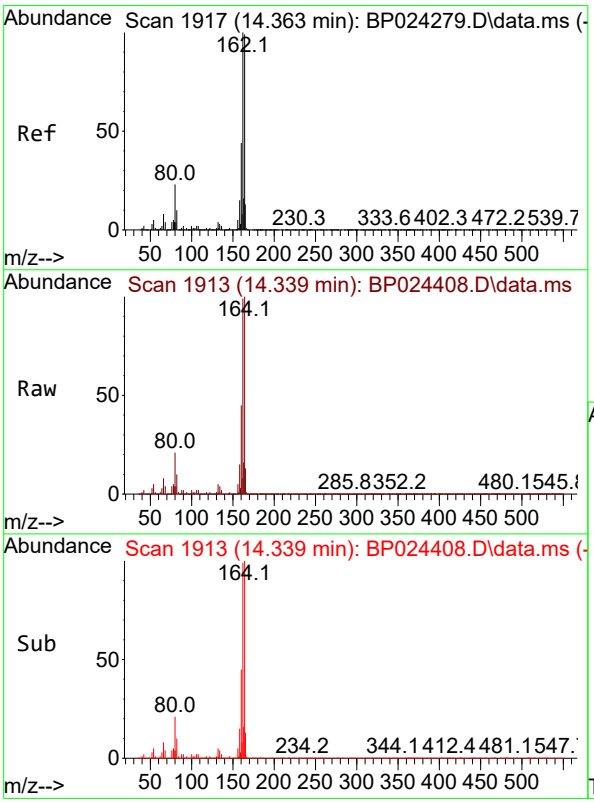
#23
Nitrobenzene-d5
Concen: 91.545 ng
RT: 8.869 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024408.D
Acq: 24 Apr 2025 12:31

Instrument :
BNA_P
ClientSampleId :
PB167711BL

Tgt Ion: 82 Resp: 1792266

Ion	Ratio	Lower	Upper
82	100		
128	47.2	36.5	54.7
54	44.0	33.4	50.2

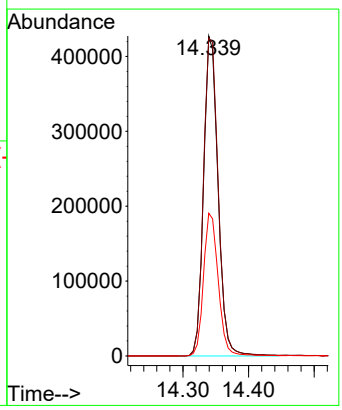


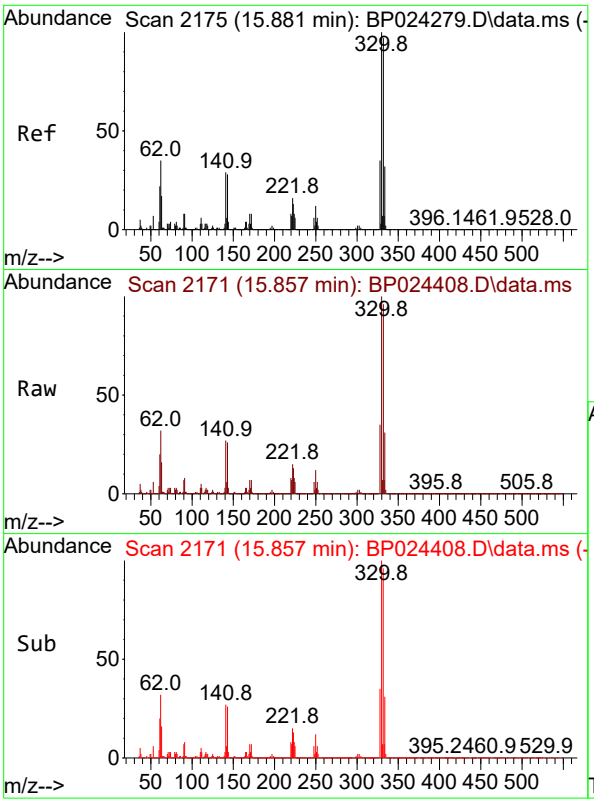


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.339 min Scan# 1913
Delta R.T. -0.012 min
Lab File: BP024408.D
Acq: 24 Apr 2025 12:31

Tgt Ion:164 Resp: 654539

Ion	Ratio	Lower	Upper
164	100		
162	99.3	80.6	120.8
160	44.6	35.3	52.9



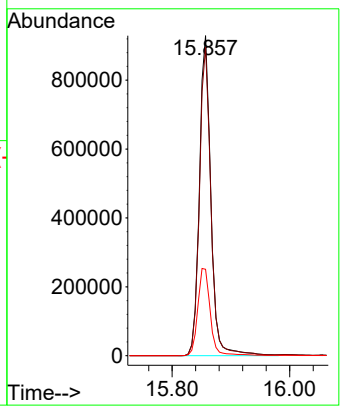


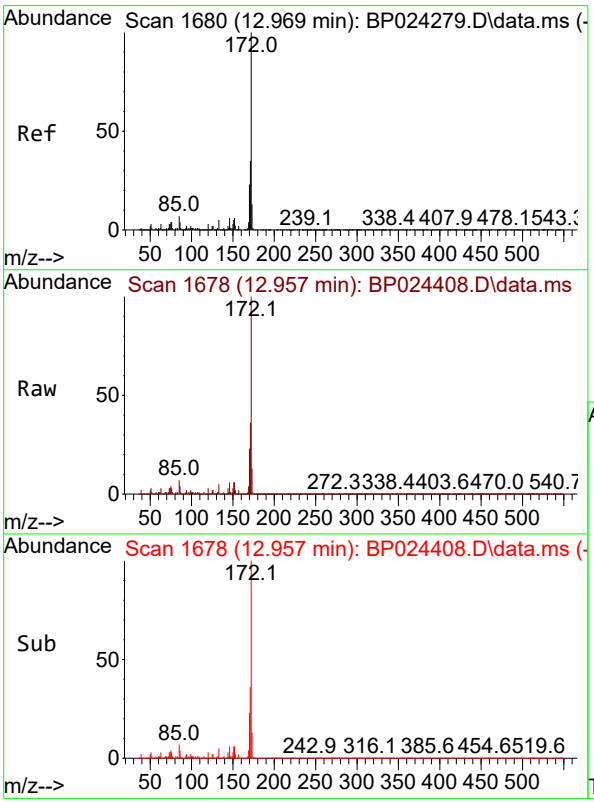
#42
2,4,6-Tribromophenol
Concen: 138.864 ng
RT: 15.857 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024408.D
Acq: 24 Apr 2025 12:31

Instrument :
BNA_P
ClientSampleId :
PB167711BL

Tgt Ion:330 Resp: 1257538

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.1	115.7
141	29.7	24.7	37.1

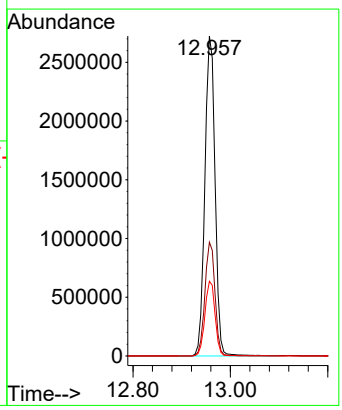


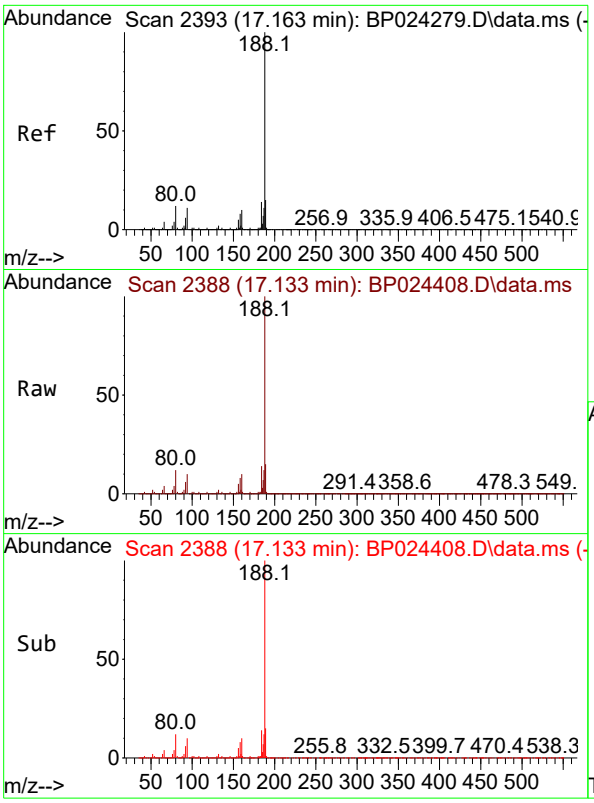


#45
2-Fluorobiphenyl
Concen: 92.211 ng
RT: 12.957 min Scan# 1678
Delta R.T. -0.006 min
Lab File: BP024408.D
Acq: 24 Apr 2025 12:31

Tgt Ion:172 Resp: 3941973

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.2	42.2
170	23.4	18.6	27.8



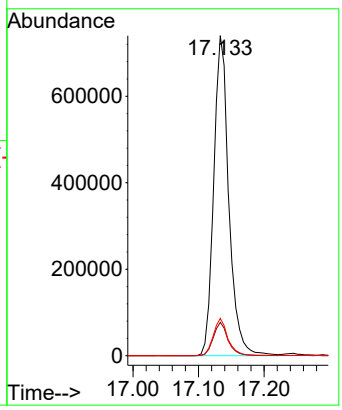


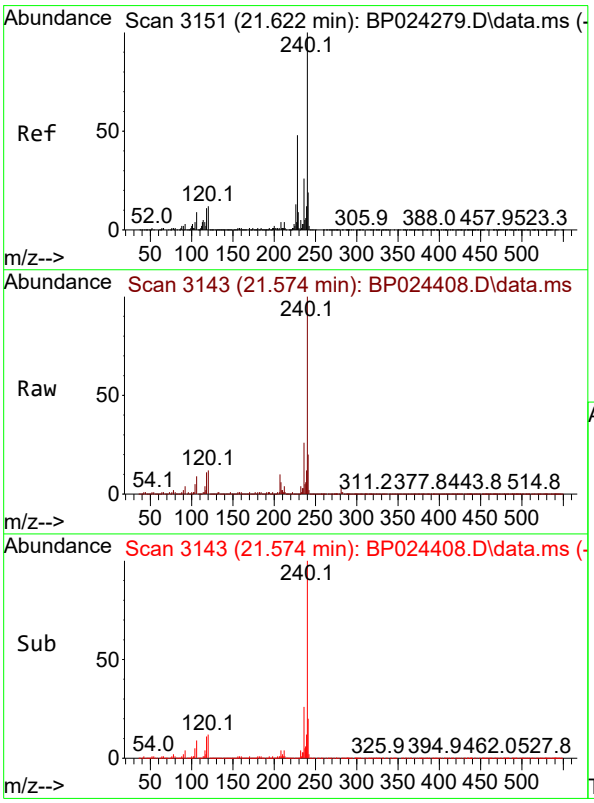
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.133 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024408.D
Acq: 24 Apr 2025 12:31

Instrument :
BNA_P
ClientSampleId :
PB167711BL

Tgt Ion:188 Resp: 1181165

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.6	13.0
80	11.6	9.8	14.6

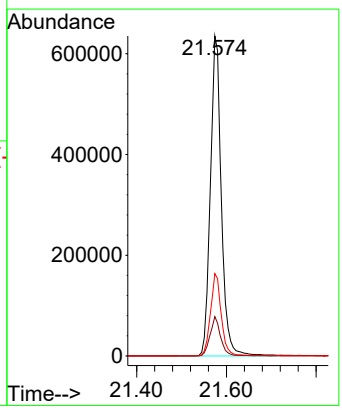


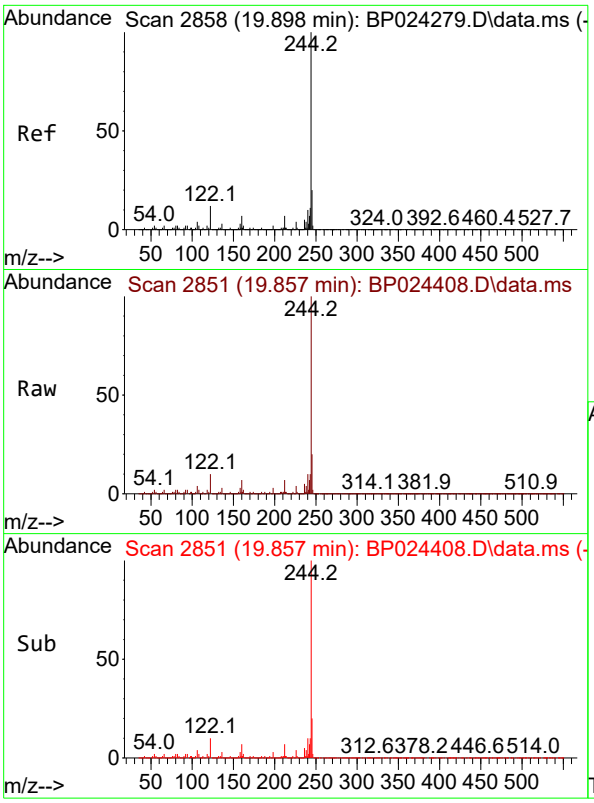


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.574 min Scan# 3143
Delta R.T. -0.018 min
Lab File: BP024408.D
Acq: 24 Apr 2025 12:31

Tgt Ion:240 Resp: 1074963

Ion	Ratio	Lower	Upper
240	100		
120	12.3	9.8	14.8
236	25.8	20.9	31.3



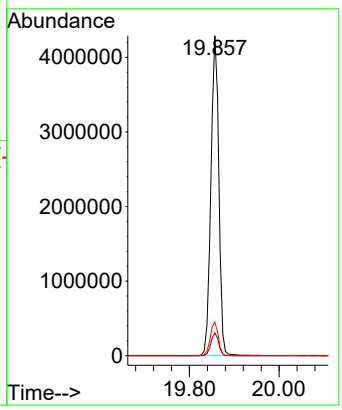


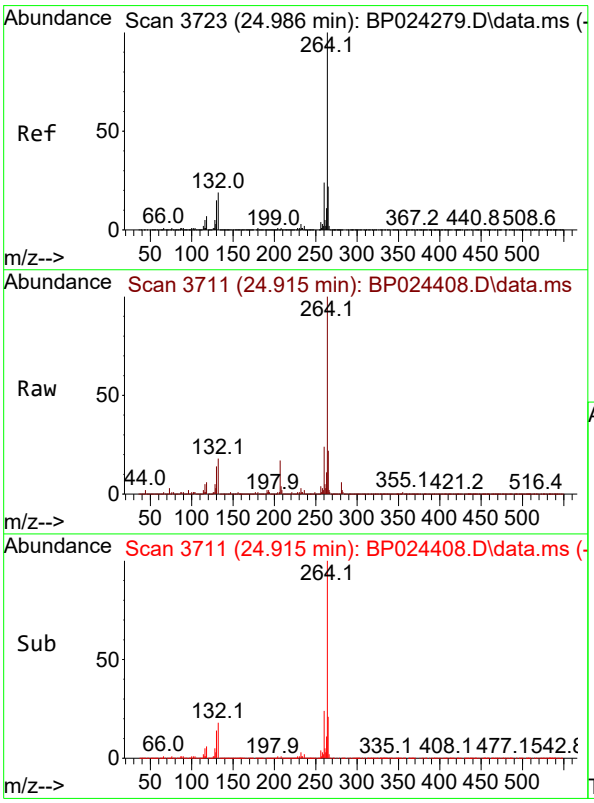
#79
Terphenyl-d14
Concen: 98.486 ng
RT: 19.857 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024408.D
Acq: 24 Apr 2025 12:31

Instrument :
BNA_P
ClientSampleId :
PB167711BL

Tgt Ion:244 Resp: 5252367

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	10.5	9.4	14.0

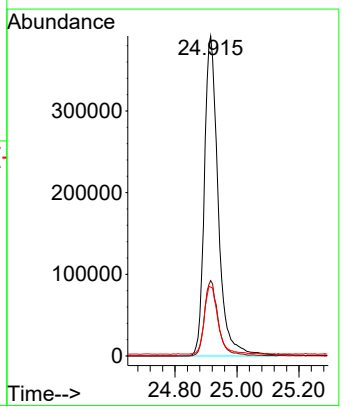




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.915 min Scan# 3711
Delta R.T. -0.018 min
Lab File: BP024408.D
Acq: 24 Apr 2025 12:31

Tgt Ion:264 Resp: 1210803

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	21.5	17.8	26.6



Raw Data: **BP024409.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	
Project:	Henry Lea School			Date Received:	
Client Sample ID:	PB167711BS			SDG No.:	Q1858
Lab Sample ID:	PB167711BS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024409.D	1	04/23/25 09:20	04/24/25 13:12	PB167711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1500		22.7	170	ug/Kg
86-73-7	Fluorene	1500		25.3	170	ug/Kg
85-01-8	Phenanthrene	1500		20.9	170	ug/Kg
120-12-7	Anthracene	1600		33.3	170	ug/Kg
129-00-0	Pyrene	1700		36.0	170	ug/Kg
56-55-3	Benzo(a)anthracene	1600		23.0	170	ug/Kg
218-01-9	Chrysene	1500		19.9	170	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		19.0	170	ug/Kg
50-32-8	Benzo(a)pyrene	1700		29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		29.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		25.7	170	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	90.4		18 - 107	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	89.9		20 - 109	90%	SPK: 100
1718-51-0	Terphenyl-d14	101		10 - 105	101%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	254000	7.722			
1146-65-2	Naphthalene-d8	1080000	10.493			
15067-26-2	Acenaphthene-d10	697000	14.351			
1517-22-2	Phenanthrene-d10	1340000	17.145			
1719-03-5	Chrysene-d12	1260000	21.592			
1520-96-3	Perylene-d12	1240000	24.898			

Raw Data: **BP024409.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:			
Project:	Henry Lea School			Date Received:			
Client Sample ID:	PB167711BS			SDG No.:	Q1858		
Lab Sample ID:	PB167711BS			Matrix:	SOIL		
Analytical Method:	SW8270			% Solid:	100		
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000		uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1		
Extraction Type :			Decanted : N	Level :	LOW		
Injection Volume :			GPC Factor : 1.0	GPC Cleanup :	N	PH :	
Prep Method :	SW3541						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024409.D	1	04/23/25 09:20	04/24/25 13:12	PB167711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042425\
Data File : BP024409.D
Acq On : 24 Apr 2025 13:12
Operator : RC/JU
Sample : PB167711BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167711BS

Quant Time: Apr 24 13:44:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.722	152	253522	20.000	ng		0.00
21) Naphthalene-d8	10.493	136	1075215	20.000	ng		0.00
39) Acenaphthene-d10	14.351	164	697166	20.000	ng		0.00
64) Phenanthrene-d10	17.145	188	1340063	20.000	ng		0.00
76) Chrysene-d12	21.592	240	1256048	20.000	ng		0.00
86) Perylene-d12	24.898	264	1241821	20.000	ng		-0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.346	112	2197888	143.345	ng		0.00
7) Phenol-d6	6.911	99	2783669	132.587	ng		0.00
23) Nitrobenzene-d5	8.869	82	1704054	90.370	ng		0.00
42) 2,4,6-Tribromophenol	15.857	330	1465217	151.904	ng		0.00
45) 2-Fluorobiphenyl	12.957	172	4093234	89.895	ng		0.00
79) Terphenyl-d14	19.869	244	6278618	100.756	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.287	88	232076	35.784	ng	#	96
3) Pyridine	3.681	79	582948	34.040	ng		96
4) n-Nitrosodimethylamine	3.587	42	272495	47.944	ng		83
6) Aniline	7.058	93	945912	50.419	ng		99
8) 2-Chlorophenol	7.293	128	831217	48.555	ng		100
9) Benzaldehyde	6.869	77	383026	36.881	ng		98
10) Phenol	6.940	94	1001282	47.542	ng		95
11) bis(2-Chloroethyl)ether	7.152	93	728515	42.932	ng		99
12) 1,3-Dichlorobenzene	7.611	146	835831	45.352	ng		99
13) 1,4-Dichlorobenzene	7.758	146	852324	45.581	ng		99
14) 1,2-Dichlorobenzene	8.069	146	818436	45.327	ng		99
15) Benzyl Alcohol	7.964	79	693495	51.077	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.240	45	837651	45.669	ng		99
17) 2-Methylphenol	8.164	107	700565	51.419	ng		98
18) Hexachloroethane	8.787	117	319132	47.225	ng		97
19) n-Nitroso-di-n-propyla...	8.522	70	569969	43.882	ng		97
20) 3+4-Methylphenols	8.487	107	951205	50.316	ng		98
22) Acetophenone	8.534	105	1173312	44.089	ng	#	98
24) Nitrobenzene	8.911	77	849421	45.536	ng		99
25) Isophorone	9.434	82	1642451	48.121	ng		98
26) 2-Nitrophenol	9.616	139	453063	49.631	ng		98
27) 2,4-Dimethylphenol	9.675	122	797482	69.575	ng		99
28) bis(2-Chloroethoxy)met...	9.905	93	1021558	44.306	ng		99
29) 2,4-Dichlorophenol	10.152	162	790457	50.577	ng		100
30) 1,2,4-Trichlorobenzene	10.352	180	775043	46.285	ng		99
31) Naphthalene	10.540	128	2467338	43.563	ng		99
32) Benzoic acid	9.852	122	619320m	46.370	ng		
33) 4-Chloroaniline	10.652	127	566757	28.415	ng		99
34) Hexachlorobutadiene	10.828	225	484479	49.236	ng		99
35) Caprolactam	11.457	113	272839	47.313	ng		96
36) 4-Chloro-3-methylphenol	11.787	107	913069	50.158	ng		100
37) 2-Methylnaphthalene	12.152	142	1626904	41.418	ng		98
38) 1-Methylnaphthalene	12.375	142	1722406	44.823	ng		99
40) 1,2,4,5-Tetrachloroben...	12.522	216	891731	46.512	ng		98
41) Hexachlorocyclopentadiene	12.504	237	1287773	189.918	ng		99
43) 2,4,6-Trichlorophenol	12.775	196	653727	51.286	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042425\
Data File : BP024409.D
Acq On : 24 Apr 2025 13:12
Operator : RC/JU
Sample : PB167711BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167711BS

Quant Time: Apr 24 13:44:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

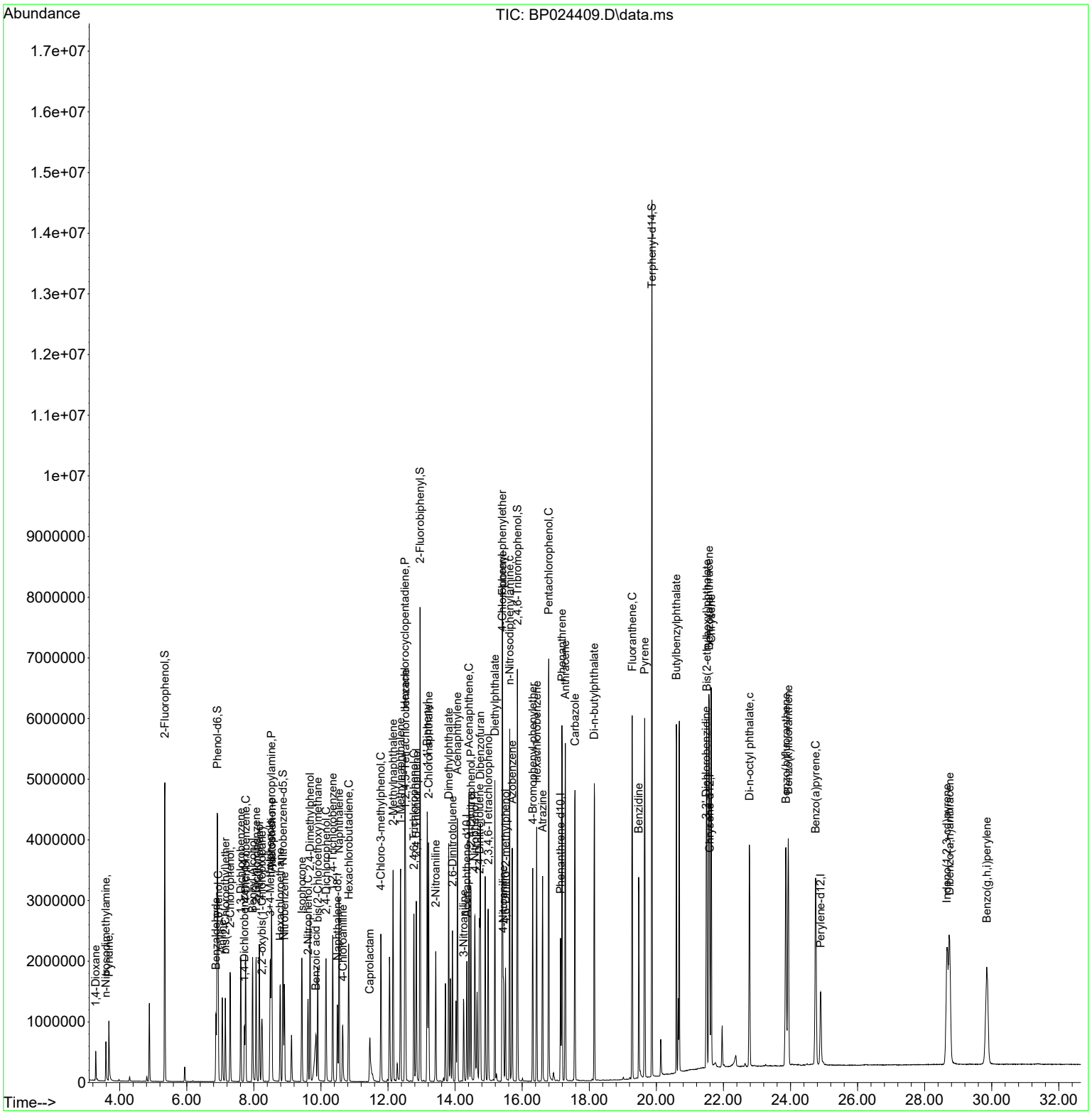
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.846	196	713463	50.545	ng	99
46) 1,1'-Biphenyl	13.169	154	2288756	44.663	ng	99
47) 2-Chloronaphthalene	13.210	162	1768390	46.172	ng	99
48) 2-Nitroaniline	13.422	65	540597	50.319	ng	96
49) Acenaphthylene	14.069	152	2958042	49.055	ng	100
50) Dimethylphthalate	13.810	163	2347925	46.311	ng	100
51) 2,6-Dinitrotoluene	13.922	165	520037	48.304	ng	98
52) Acenaphthene	14.416	154	1687552	44.144	ng	100
53) 3-Nitroaniline	14.257	138	380831	33.657	ng	99
54) 2,4-Dinitrophenol	14.475	184	683241	107.740	ng	97
55) Dibenzofuran	14.751	168	2712810	43.414	ng	97
56) 4-Nitrophenol	14.593	139	940367	96.228	ng	95
57) 2,4-Dinitrotoluene	14.728	165	739331	50.343	ng	98
58) Fluorene	15.416	166	2198302	45.444	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.987	232	630836	48.456	ng	99
60) Diethylphthalate	15.187	149	2374096	45.440	ng	100
61) 4-Chlorophenyl-phenyle...	15.404	204	1101609	46.896	ng	99
62) 4-Nitroaniline	15.440	138	551217	46.018	ng	93
63) Azobenzene	15.704	77	2136258	44.486	ng	98
65) 4,6-Dinitro-2-methylph...	15.504	198	436071	51.615	ng	97
66) n-Nitrosodiphenylamine	15.628	169	1940556	48.517	ng	99
67) 4-Bromophenyl-phenylether	16.316	248	729137	49.750	ng	99
68) Hexachlorobenzene	16.434	284	891077	51.166	ng	100
69) Atrazine	16.610	200	703421	69.050	ng	99
70) Pentachlorophenol	16.792	266	1233445	101.523	ng	100
71) Phenanthrene	17.187	178	3394420	46.433	ng	100
72) Anthracene	17.287	178	3466316	49.197	ng	99
73) Carbazole	17.575	167	3199228	46.471	ng	99
74) Di-n-butylphthalate	18.151	149	4093821	47.731	ng	100
75) Fluoranthene	19.281	202	3913968	45.017	ng	98
77) Benzidine	19.475	184	1764121	110.801	ng	99
78) Pyrene	19.651	202	4000869	50.122	ng	99
80) Butylbenzylphthalate	20.598	149	1708000	49.956	ng	99
81) Benzo(a)anthracene	21.569	228	3721613	47.670	ng	100
82) 3,3'-Dichlorobenzidine	21.486	252	934079	34.088	ng	99
83) Chrysene	21.633	228	3439076	45.980	ng	99
84) Bis(2-ethylhexyl)phtha...	21.504	149	2309093	46.070	ng	100
85) Di-n-octyl phthalate	22.775	149	3617572	44.397	ng	100
87) Indeno(1,2,3-cd)pyrene	28.662	276	4105190	47.617	ng	98
88) Benzo(b)fluoranthene	23.863	252	3550127	47.694	ng	99
89) Benzo(k)fluoranthene	23.933	252	3491888	48.565	ng	99
90) Benzo(a)pyrene	24.751	252	3327370	51.822	ng	99
91) Dibenzo(a,h)anthracene	28.745	278	3388295	47.350	ng	98
92) Benzo(g,h,i)perylene	29.851	276	3281655	45.055	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042425\
Data File : BP024409.D
Acq On : 24 Apr 2025 13:12
Operator : RC/JU
Sample : PB167711BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167711BS

Quant Time: Apr 24 13:44:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration



Raw Data: **BM050013.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	04/22/25
Project:	Henry Lea School			Date Received:	04/22/25
Client Sample ID:	72-12013MS			SDG No.:	Q1858
Lab Sample ID:	Q1852-07MS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	89.2
Sample Wt/Vol:	50.07	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050013.D	1	04/23/25 09:20	04/23/25 14:37	PB167711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	990		15.2	110	ug/Kg
86-73-7	Fluorene	1000		17.0	110	ug/Kg
85-01-8	Phenanthrene	1100		14.0	110	ug/Kg
120-12-7	Anthracene	1100		22.4	110	ug/Kg
129-00-0	Pyrene	1000		24.2	110	ug/Kg
56-55-3	Benzo(a)anthracene	1100		15.4	110	ug/Kg
218-01-9	Chrysene	1100		13.4	110	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		12.8	110	ug/Kg
50-32-8	Benzo(a)pyrene	1200		19.8	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		19.5	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1000		17.3	110	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	69.4		18 - 107	69%	SPK: 100
321-60-8	2-Fluorobiphenyl	67.1		20 - 109	67%	SPK: 100
1718-51-0	Terphenyl-d14	65.1		10 - 105	65%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	288000	7.763			
1146-65-2	Naphthalene-d8	953000	10.557			
15067-26-2	Acenaphthene-d10	567000	14.41			
1517-22-2	Phenanthrene-d10	1080000	17.157			
1719-03-5	Chrysene-d12	1170000	21.398			
1520-96-3	Perylene-d12	1270000	24.397			

Raw Data: **BM050013.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	04/22/25
Project:	Henry Lea School			Date Received:	04/22/25
Client Sample ID:	72-12013MS			SDG No.:	Q1858
Lab Sample ID:	Q1852-07MS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	89.2
Sample Wt/Vol:	50.07	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050013.D	1	04/23/25 09:20	04/23/25 14:37	PB167711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
Data File : BM050013.D
Acq On : 23 Apr 2025 14:37
Operator : RC/JU
Sample : Q1852-07MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 23 15:18:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
72-12013MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.763	152	287884	20.000	ng		-0.02
21) Naphthalene-d8	10.557	136	952796	20.000	ng		-0.02
39) Acenaphthene-d10	14.410	164	566920	20.000	ng		-0.01
64) Phenanthrene-d10	17.157	188	1079716	20.000	ng		0.00
76) Chrysene-d12	21.398	240	1168533	20.000	ng		0.00
86) Perylene-d12	24.397	264	1272703	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.357	112	1677901	98.971	ng		0.00
7) Phenol-d6	6.951	99	2044996	96.950	ng		0.00
23) Nitrobenzene-d5	8.922	82	1188077	69.436	ng		-0.01
42) 2,4,6-Tribromophenol	15.904	330	899687	109.105	ng		0.00
45) 2-Fluorobiphenyl	13.028	172	2806180	67.121	ng		-0.02
79) Terphenyl-d14	19.780	244	4057925	65.079	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.252	88	266959	38.235	ng		98
3) Pyridine	3.652	79	739036	40.287	ng		99
4) n-Nitrosodimethylamine	3.558	42	313495	44.906	ng		96
6) Aniline	7.093	93	426266	23.584	ng		99
8) 2-Chlorophenol	7.334	128	796556	45.847	ng		99
9) Benzaldehyde	6.904	77	398795	36.842	ng		99
10) Phenol	6.975	94	927975	45.082	ng		100
11) bis(2-Chloroethyl)ether	7.187	93	736137	45.604	ng		99
12) 1,3-Dichlorobenzene	7.651	146	939647	45.745	ng		99
13) 1,4-Dichlorobenzene	7.798	146	951043	46.014	ng		99
14) 1,2-Dichlorobenzene	8.116	146	903868	46.430	ng		99
15) Benzyl Alcohol	8.010	79	602897	45.390	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.287	45	869249	48.314	ng		99
17) 2-Methylphenol	8.222	107	600425	47.334	ng		99
18) Hexachloroethane	8.840	117	327314	45.519	ng		95
19) n-Nitroso-di-n-propyla...	8.575	70	527998	45.195	ng		99
20) 3+4-Methylphenols	8.551	107	781259	45.176	ng		99
22) Acetophenone	8.587	105	1058064	45.693	ng	#	99
24) Nitrobenzene	8.963	77	764779	46.419	ng		99
25) Isophorone	9.492	82	1394989	48.668	ng		99
26) 2-Nitrophenol	9.675	139	400838	45.902	ng		100
27) 2,4-Dimethylphenol	9.745	122	642461	64.919	ng		100
28) bis(2-Chloroethoxy)met...	9.969	93	879955	45.856	ng		98
29) 2,4-Dichlorophenol	10.222	162	734513	44.651	ng		99
30) 1,2,4-Trichlorobenzene	10.422	180	891745	46.859	ng		99
31) Naphthalene	10.610	128	2159823	44.115	ng		99
32) Benzoic acid	9.916	122	474592m	40.346	ng		
33) 4-Chloroaniline	10.728	127	202531	11.715	ng		99
34) Hexachlorobutadiene	10.892	225	578827	49.172	ng		99
35) Caprolactam	11.516	113	193687	41.052	ng		96
36) 4-Chloro-3-methylphenol	11.869	107	624329	43.327	ng		98
37) 2-Methylnaphthalene	12.222	142	1386917	40.207	ng		99
38) 1-Methylnaphthalene	12.445	142	1447966	43.087	ng		99
40) 1,2,4,5-Tetrachloroben...	12.598	216	965424	48.676	ng		99
41) Hexachlorocyclopentadiene	12.575	237	968699	139.386	ng		99
43) 2,4,6-Trichlorophenol	12.845	196	613446	48.606	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
Data File : BM050013.D
Acq On : 23 Apr 2025 14:37
Operator : RC/JU
Sample : Q1852-07MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 23 15:18:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
72-12013MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	652115	47.547	ng	99
46) 1,1'-Biphenyl	13.239	154	1967507	46.686	ng	100
47) 2-Chloronaphthalene	13.280	162	1567374	47.319	ng	99
48) 2-Nitroaniline	13.492	65	374946	48.929	ng	98
49) Acenaphthylene	14.133	152	2434980	50.466	ng	100
50) Dimethylphthalate	13.869	163	1809730	45.248	ng	99
51) 2,6-Dinitrotoluene	13.986	165	398532	47.560	ng	99
52) Acenaphthene	14.474	154	1395096	45.456	ng	99
53) 3-Nitroaniline	14.322	138	168622	20.820	ng	99
54) 2,4-Dinitrophenol	14.539	184	245313	43.999	ng	98
55) Dibenzofuran	14.810	168	2274585	44.334	ng	98
56) 4-Nitrophenol	14.663	139	664558	92.080	ng	99
57) 2,4-Dinitrotoluene	14.780	165	550106	49.209	ng	99
58) Fluorene	15.457	166	1863268	45.688	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.045	232	544044	45.258	ng	98
60) Diethylphthalate	15.233	149	1813692	47.287	ng	98
61) 4-Chlorophenyl-phenyle...	15.451	204	1018573	46.585	ng	99
62) 4-Nitroaniline	15.486	138	351246	41.938	ng	96
63) Azobenzene	15.745	77	1673367	50.959	ng	97
65) 4,6-Dinitro-2-methylph...	15.551	198	202814	29.809	ng	96
66) n-Nitrosodiphenylamine	15.669	169	1548576	47.926	ng	100
67) 4-Bromophenyl-phenylether	16.345	248	607622	48.477	ng	97
68) Hexachlorobenzene	16.468	284	699094	48.625	ng	98
69) Atrazine	16.621	200	564075	67.329	ng	98
70) Pentachlorophenol	16.815	266	998434	94.328	ng	100
71) Phenanthrene	17.198	178	2831216	47.829	ng	100
72) Anthracene	17.286	178	2892606	49.586	ng	99
73) Carbazole	17.563	167	2604201	47.397	ng	99
74) Di-n-butylphthalate	18.121	149	3028037	47.848	ng	100
75) Fluoranthene	19.215	202	3499821	48.086	ng	99
77) Benzidine	19.404	184	1376095	88.767	ng	99
78) Pyrene	19.580	202	3643412	45.241	ng	99
80) Butylbenzylphthalate	20.474	149	1353248	44.720	ng	98
81) Benzo(a)anthracene	21.380	228	3865370	49.773	ng	100
82) 3,3'-Dichlorobenzidine	21.303	252	793152	27.044	ng	99
83) Chrysene	21.445	228	3535071	47.880	ng	99
84) Bis(2-ethylhexyl)phtha...	21.298	149	1973467	44.761	ng	99
85) Di-n-octyl phthalate	22.427	149	3368447	43.673	ng	100
87) Indeno(1,2,3-cd)pyrene	27.803	276	4738254	49.945	ng	99
88) Benzo(b)fluoranthene	23.456	252	3896024	47.932	ng	99
89) Benzo(k)fluoranthene	23.515	252	3851073	48.891	ng	100
90) Benzo(a)pyrene	24.262	252	3721293	52.100	ng	99
91) Dibenzo(a,h)anthracene	27.850	278	3877655	49.623	ng	99
92) Benzo(g,h,i)perylene	28.862	276	3674602	46.018	ng	99

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

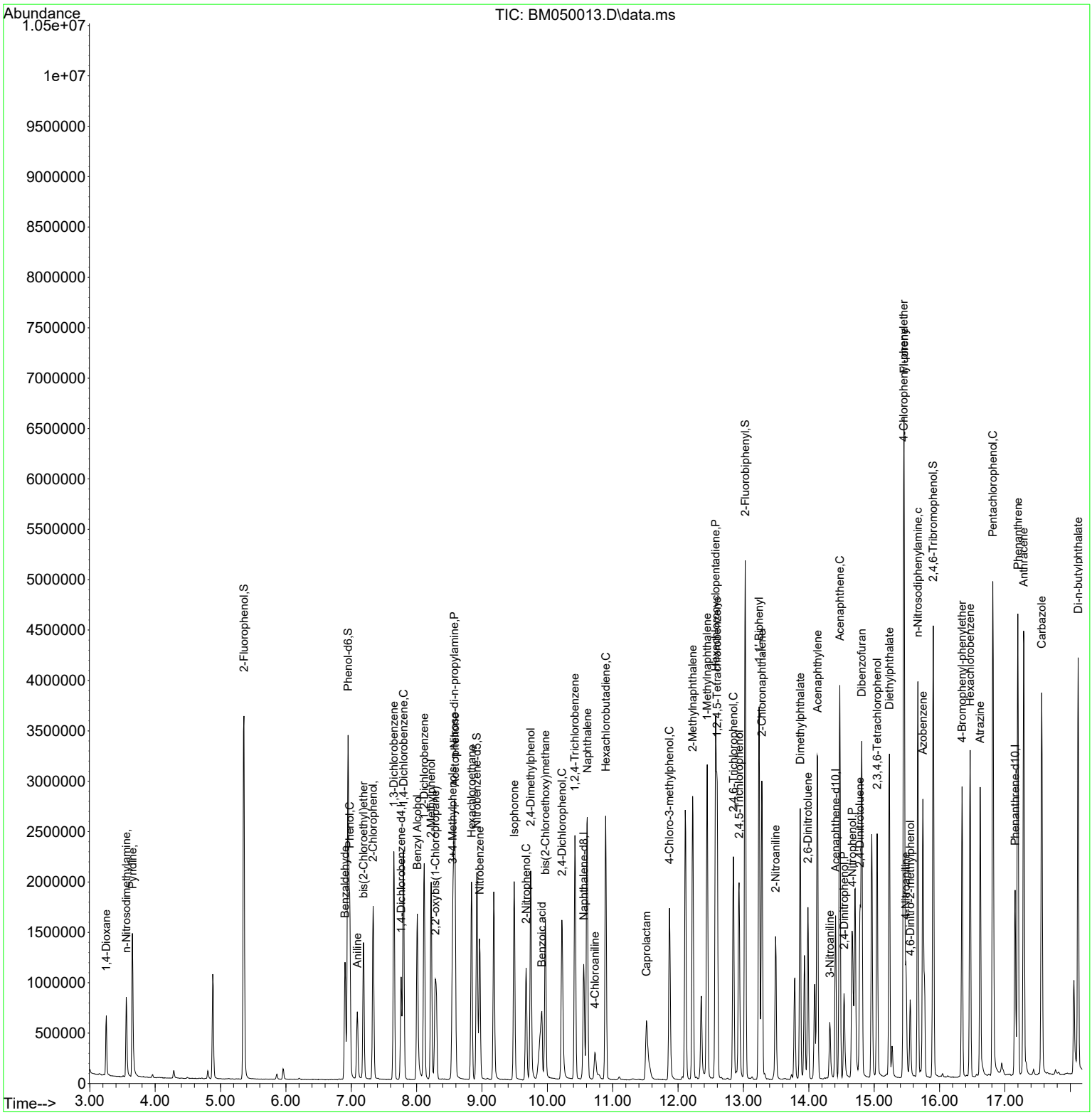
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
Data File : BM050013.D
Acq On : 23 Apr 2025 14:37
Operator : RC/JU
Sample : Q1852-07MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 23 15:18:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
72-12013MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025



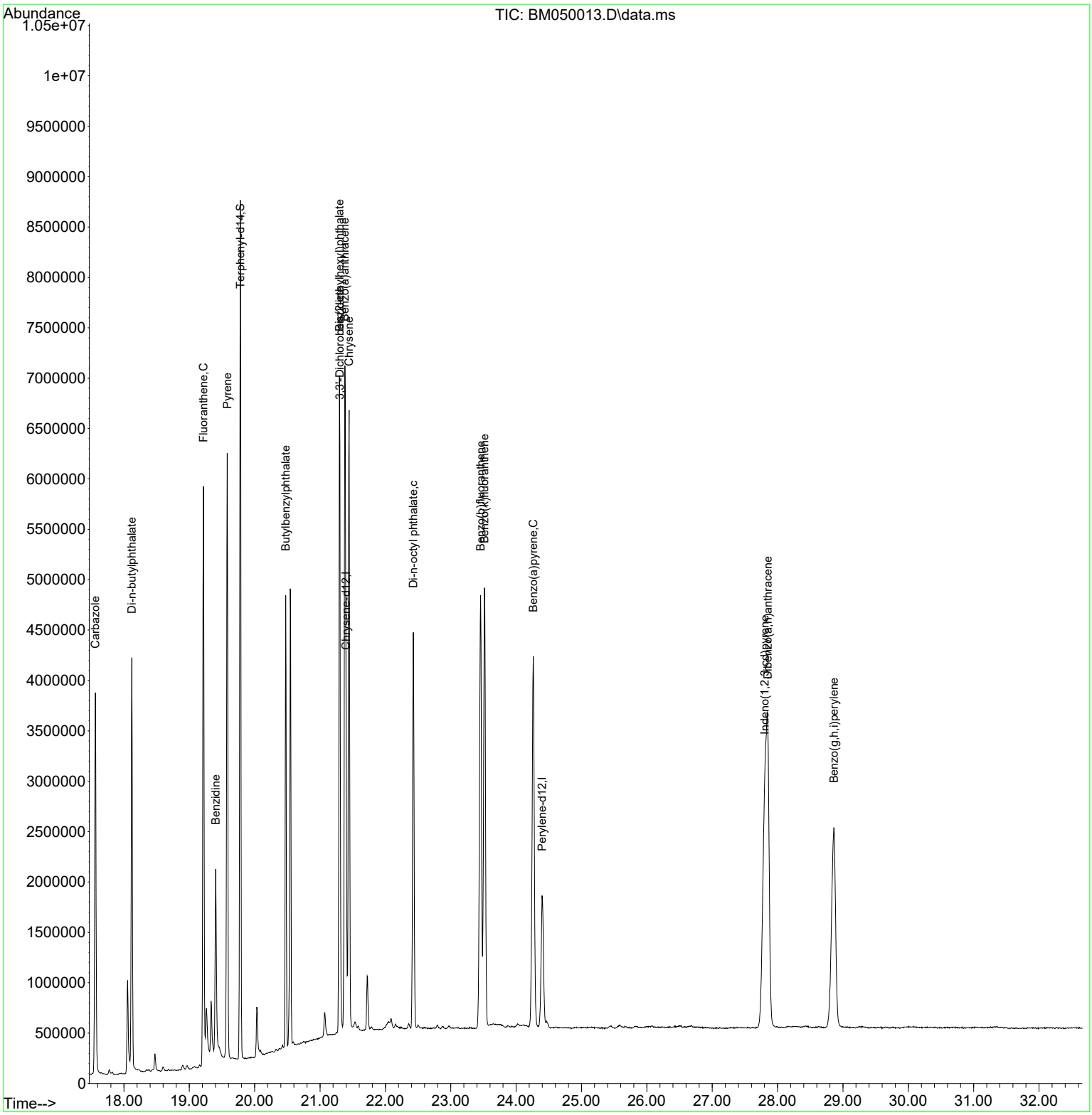
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
Data File : BM050013.D
Acq On : 23 Apr 2025 14:37
Operator : RC/JU
Sample : Q1852-07MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 23 15:18:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
72-12013MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025



Raw Data: **BM050014.D**

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

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/22/25
Project:	Henry Lea School	Date Received:	04/22/25
Client Sample ID:	72-12013MSD	SDG No.:	Q1858
Lab Sample ID:	Q1852-07MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	89.2
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050014.D	1	04/23/25 09:20	04/23/25 15:16	PB167711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	970		15.3	110	ug/Kg
86-73-7	Fluorene	990		17.0	110	ug/Kg
85-01-8	Phenanthrene	1000		14.0	110	ug/Kg
120-12-7	Anthracene	1100		22.4	110	ug/Kg
129-00-0	Pyrene	990		24.2	110	ug/Kg
56-55-3	Benzo(a)anthracene	1100		15.5	110	ug/Kg
218-01-9	Chrysene	1000		13.4	110	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		12.8	110	ug/Kg
50-32-8	Benzo(a)pyrene	1100		19.8	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		19.6	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	970		17.3	110	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	68.6		18 - 107	69%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.7		20 - 109	64%	SPK: 100
1718-51-0	Terphenyl-d14	63.1		10 - 105	63%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	271000	7.763			
1146-65-2	Naphthalene-d8	919000	10.557			
15067-26-2	Acenaphthene-d10	576000	14.41			
1517-22-2	Phenanthrene-d10	1110000	17.157			
1719-03-5	Chrysene-d12	1220000	21.398			
1520-96-3	Perylene-d12	1280000	24.403			

Raw Data: **BM050014.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	04/22/25
Project:	Henry Lea School			Date Received:	04/22/25
Client Sample ID:	72-12013MSD			SDG No.:	Q1858
Lab Sample ID:	Q1852-07MSD			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	89.2
Sample Wt/Vol:	50.06	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050014.D	1	04/23/25 09:20	04/23/25 15:16	PB167711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **BM050014.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
Data File : BM050014.D
Acq On : 23 Apr 2025 15:16
Operator : RC/JU
Sample : Q1852-07MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 23 16:11:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
72-12013MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.763	152	270803	20.000	ng		-0.02
21) Naphthalene-d8	10.557	136	919060	20.000	ng		-0.02
39) Acenaphthene-d10	14.410	164	576233	20.000	ng		-0.01
64) Phenanthrene-d10	17.157	188	1111719	20.000	ng		0.00
76) Chrysene-d12	21.398	240	1219355	20.000	ng		0.00
86) Perylene-d12	24.403	264	1284687	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.358	112	1556338	97.590	ng		0.00
7) Phenol-d6	6.952	99	1924323	96.983	ng		0.00
23) Nitrobenzene-d5	8.922	82	1131619	68.564	ng		-0.01
42) 2,4,6-Tribromophenol	15.904	330	891584	106.375	ng		0.00
45) 2-Fluorobiphenyl	13.028	172	2707705	63.719	ng		-0.02
79) Terphenyl-d14	19.780	244	4108760	63.148	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.252	88	242569	36.933	ng		99
3) Pyridine	3.652	79	671063	38.889	ng		99
4) n-Nitrosodimethylamine	3.558	42	285346	43.452	ng		97
6) Aniline	7.093	93	407327	23.958	ng		100
8) 2-Chlorophenol	7.334	128	737994	45.156	ng		99
9) Benzaldehyde	6.905	77	364941	35.841	ng		98
10) Phenol	6.975	94	871077	44.987	ng		99
11) bis(2-Chloroethyl)ether	7.187	93	693552	45.676	ng		99
12) 1,3-Dichlorobenzene	7.652	146	863101	44.669	ng		99
13) 1,4-Dichlorobenzene	7.799	146	865444	44.514	ng		98
14) 1,2-Dichlorobenzene	8.116	146	835026	45.599	ng		98
15) Benzyl Alcohol	8.010	79	574377	45.971	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.287	45	812956	48.035	ng		100
17) 2-Methylphenol	8.222	107	559369	46.879	ng		99
18) Hexachloroethane	8.840	117	303265	44.835	ng		96
19) n-Nitroso-di-n-propyla...	8.569	70	495907	45.126	ng		99
20) 3+4-Methylphenols	8.551	107	742289	45.630	ng		99
22) Acetophenone	8.587	105	992832	44.450	ng	#	98
24) Nitrobenzene	8.963	77	718816	45.230	ng		98
25) Isophorone	9.493	82	1331485	48.158	ng		100
26) 2-Nitrophenol	9.675	139	380169	45.133	ng		99
27) 2,4-Dimethylphenol	9.746	122	614402	64.363	ng		98
28) bis(2-Chloroethoxy)met...	9.969	93	834864	45.103	ng		98
29) 2,4-Dichlorophenol	10.222	162	704612	44.405	ng		99
30) 1,2,4-Trichlorobenzene	10.422	180	838235	45.664	ng		100
31) Naphthalene	10.604	128	2046492	43.335	ng		100
32) Benzoic acid	9.910	122	460222m	40.515	ng		
33) 4-Chloroaniline	10.728	127	231030	13.854	ng		98
34) Hexachlorobutadiene	10.893	225	537419	47.330	ng		99
35) Caprolactam	11.516	113	192849	42.375	ng		96
36) 4-Chloro-3-methylphenol	11.869	107	609438	43.847	ng		98
37) 2-Methylnaphthalene	12.222	142	1317219	39.588	ng		100
38) 1-Methylnaphthalene	12.445	142	1381472	42.617	ng		99
40) 1,2,4,5-Tetrachloroben...	12.598	216	927904	46.028	ng		99
41) Hexachlorocyclopentadiene	12.575	237	905237	128.149	ng		99
43) 2,4,6-Trichlorophenol	12.845	196	596596	46.507	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
Data File : BM050014.D
Acq On : 23 Apr 2025 15:16
Operator : RC/JU
Sample : Q1852-07MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
72-12013MSD

Quant Time: Apr 23 16:11:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.934	196	638670	45.814	ng	100
46) 1,1'-Biphenyl	13.239	154	1912166	44.640	ng	100
47) 2-Chloronaphthalene	13.281	162	1520531	45.163	ng	99
48) 2-Nitroaniline	13.492	65	366638	47.072	ng	96
49) Acenaphthylene	14.128	152	2362755	48.178	ng	99
50) Dimethylphthalate	13.869	163	1794372	44.139	ng	99
51) 2,6-Dinitrotoluene	13.986	165	393074	46.150	ng	99
52) Acenaphthene	14.475	154	1368281	43.862	ng	99
53) 3-Nitroaniline	14.322	138	176879	21.487	ng	96
54) 2,4-Dinitrophenol	14.539	184	259414	45.484	ng	98
55) Dibenzofuran	14.810	168	2238964	42.934	ng	99
56) 4-Nitrophenol	14.663	139	660843	90.085	ng	99
57) 2,4-Dinitrotoluene	14.786	165	552838	48.654	ng	94
58) Fluorene	15.457	166	1839953	44.387	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.045	232	544449	44.560	ng	98
60) Diethylphthalate	15.233	149	1748483	44.850	ng	99
61) 4-Chlorophenyl-phenyle...	15.451	204	1004403	45.194	ng	100
62) 4-Nitroaniline	15.486	138	357323	41.974	ng	97
63) Azobenzene	15.745	77	1667726	49.966	ng	98
65) 4,6-Dinitro-2-methylph...	15.551	198	212409	30.320	ng	96
66) n-Nitrosodiphenylamine	15.669	169	1537908	46.226	ng	99
67) 4-Bromophenyl-phenylether	16.345	248	606925	47.028	ng	97
68) Hexachlorobenzene	16.469	284	696413	47.045	ng	99
69) Atrazine	16.622	200	563607	65.337	ng	99
70) Pentachlorophenol	16.816	266	987653	90.624	ng	99
71) Phenanthrene	17.198	178	2829185	46.419	ng	100
72) Anthracene	17.286	178	2900234	48.286	ng	99
73) Carbazole	17.563	167	2619834	46.309	ng	100
74) Di-n-butylphthalate	18.121	149	3014992	46.270	ng	99
75) Fluoranthene	19.215	202	3536949	47.198	ng	99
77) Benzidine	19.404	184	1402740	86.715	ng	100
78) Pyrene	19.580	202	3715192	44.210	ng	99
80) Butylbenzylphthalate	20.474	149	1375415	43.558	ng	99
81) Benzo(a)anthracene	21.380	228	3893781	48.049	ng	100
82) 3,3'-Dichlorobenzidine	21.304	252	814630	26.619	ng	100
83) Chrysene	21.445	228	3590117	46.599	ng	99
84) Bis(2-ethylhexyl)phtha...	21.298	149	2022532	43.962	ng	99
85) Di-n-octyl phthalate	22.427	149	3412440	42.399	ng	100
87) Indeno(1,2,3-cd)pyrene	27.803	276	4536229	47.370	ng	99
88) Benzo(b)fluoranthene	23.456	252	3839997	46.802	ng	99
89) Benzo(k)fluoranthene	23.515	252	3781835	47.564	ng	100
90) Benzo(a)pyrene	24.262	252	3584913	49.723	ng	99
91) Dibenzo(a,h)anthracene	27.850	278	3693540	46.826	ng	99
92) Benzo(g,h,i)perylene	28.856	276	3499678	43.419	ng	99

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

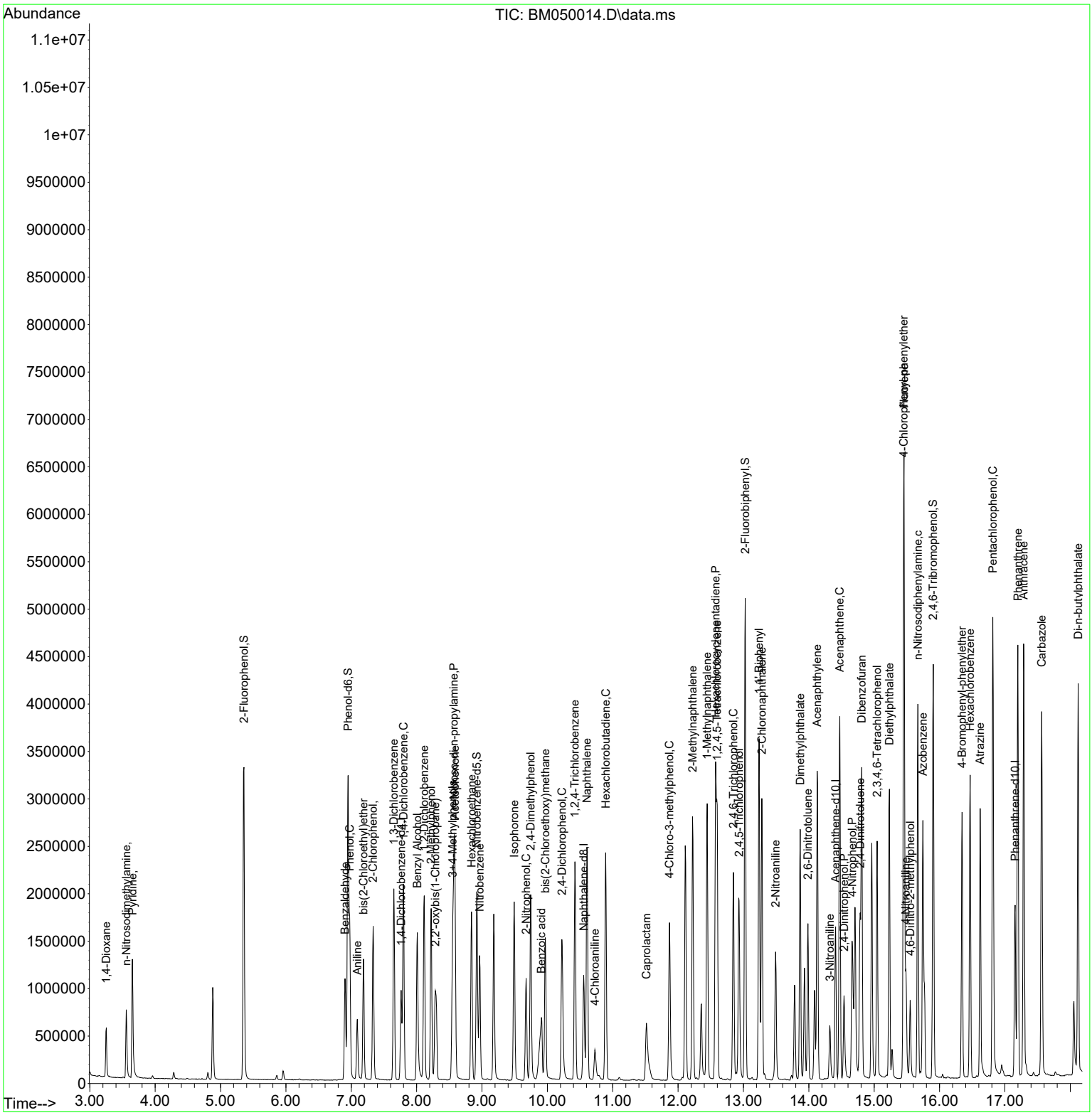
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
Data File : BM050014.D
Acq On : 23 Apr 2025 15:16
Operator : RC/JU
Sample : Q1852-07MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 23 16:11:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
72-12013MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025



Sample Results: **BM050014.D**

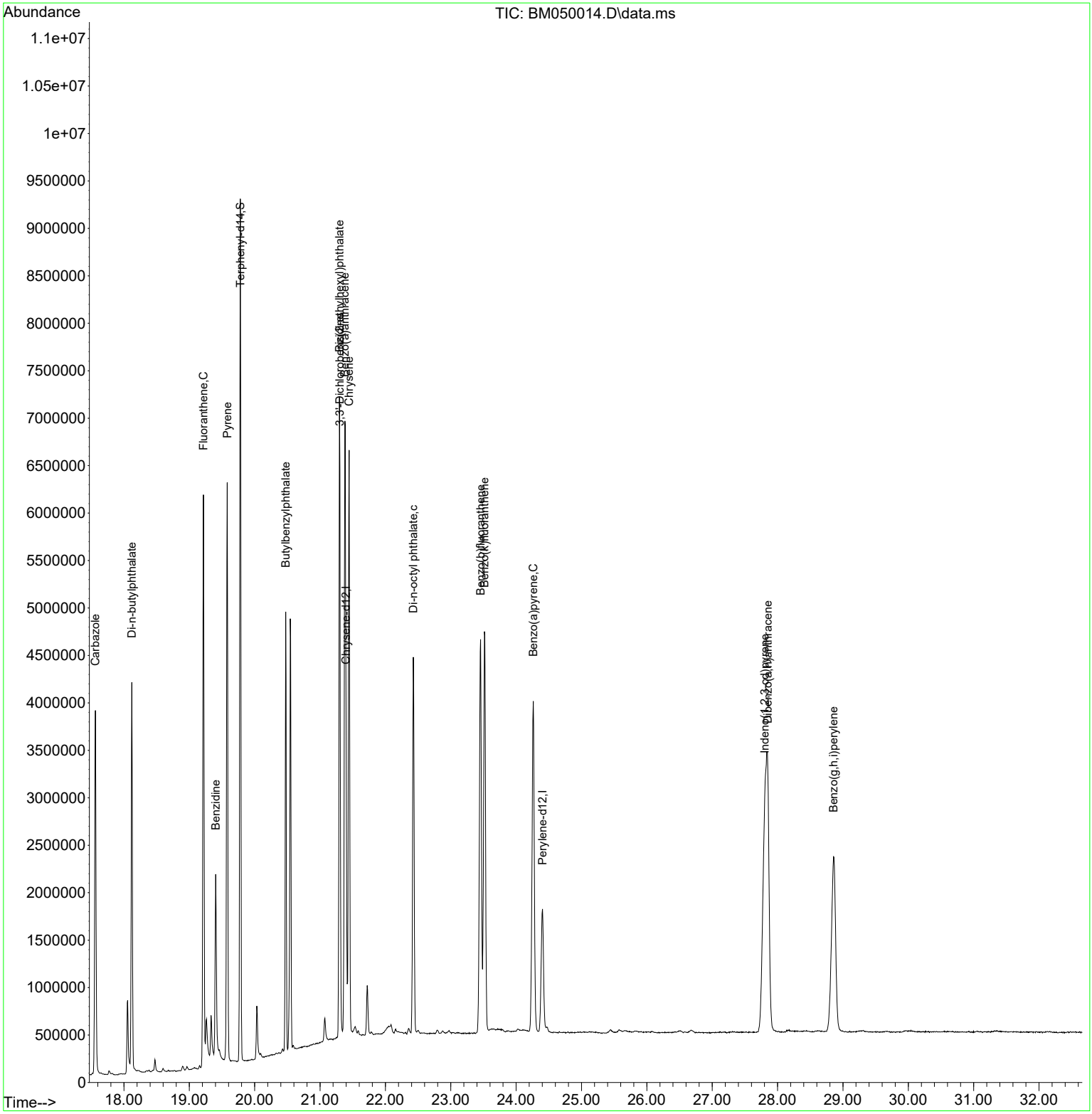
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
Data File : BM050014.D
Acq On : 23 Apr 2025 15:16
Operator : RC/JU
Sample : Q1852-07MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 23 16:11:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
72-12013MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025



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

Manual Integration Report

Sequence:	BM040825	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BM049849.D	Benzaldehyde	anahy	4/9/2025 10:32:06 AM	Jagrut	4/9/2025 4:46:22 PM	Peak Integrated by Software
SSTDICC010	BM049850.D	Benzoic acid	anahy	4/9/2025 10:32:44 AM	Jagrut	4/9/2025 4:46:25 PM	Peak Integrated by Software
SSTDICC060	BM049854.D	Pyridine	anahy	4/9/2025 10:33:20 AM	Jagrut	4/9/2025 4:46:27 PM	Peak Integrated by Software
SSTDICC080	BM049855.D	Pyridine	anahy	4/9/2025 10:34:03 AM	Jagrut	4/9/2025 4:46:30 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bm042325	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1852-07MS	BM050013.D	Benzoic acid	Rahul	4/24/2025 9:47:33 AM	Jagrut	4/24/2025 2:06:30 PM	Peak Integrated by Software
Q1852-07MSD	BM050014.D	Benzoic acid	Rahul	4/24/2025 9:47:36 AM	Jagrut	4/24/2025 2:06:32 PM	Peak Integrated by Software
Q1858-02	BM050016.D	Benzo(k)fluoranthene	Rahul	4/24/2025 9:47:39 AM	Jagrut	4/24/2025 2:06:35 PM	Peak Integrated by Software
Q1858-02	BM050016.D	Chrysene	Rahul	4/24/2025 9:47:39 AM	Jagrut	4/24/2025 2:06:35 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bp041425	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP024276.D	Benzaldehyde	Rahul	4/15/2025 9:45:41 AM	Jagrut	4/15/2025 10:52:38 AM	Peak Integrated by Software
SSTDICC005	BP024276.D	Benzidine	Rahul	4/15/2025 9:45:41 AM	Jagrut	4/15/2025 10:52:38 AM	Peak Integrated by Software
SSTDICC010	BP024277.D	Benzaldehyde	Rahul	4/15/2025 9:46:12 AM	Jagrut	4/15/2025 10:52:41 AM	Peak Integrated by Software
SSTDICC010	BP024277.D	Benzoic acid	Rahul	4/15/2025 9:46:12 AM	Jagrut	4/15/2025 10:52:41 AM	Peak Integrated by Software
SSTDICC020	BP024278.D	Benzoic acid	Rahul	4/15/2025 9:46:28 AM	Jagrut	4/15/2025 10:52:44 AM	Peak Integrated by Software
SSTDICC050	BP024280.D	Indeno(1,2,3-cd)pyrene	Rahul	4/15/2025 9:47:02 AM	Jagrut	4/15/2025 10:52:46 AM	Peak Integrated by Software
SSTDICC050	BP024280.D	Pyridine	Rahul	4/15/2025 9:47:02 AM	Jagrut	4/15/2025 10:52:46 AM	Peak Integrated by Software
SSTDICC060	BP024281.D	Benzoic acid	Rahul	4/15/2025 9:47:31 AM	Jagrut	4/15/2025 10:52:48 AM	Peak Integrated by Software
SSTDICC060	BP024281.D	Indeno(1,2,3-cd)pyrene	Rahul	4/15/2025 9:47:31 AM	Jagrut	4/15/2025 10:52:48 AM	Peak Integrated by Software
SSTDICC060	BP024281.D	Pyridine	Rahul	4/15/2025 9:47:31 AM	Jagrut	4/15/2025 10:52:48 AM	Peak Integrated by Software
SSTDICC080	BP024282.D	Benzidine	Rahul	4/15/2025 9:48:04 AM	Jagrut	4/15/2025 10:52:51 AM	Peak Integrated by Software
SSTDICC080	BP024282.D	Benzoic acid	Rahul	4/15/2025 9:48:04 AM	Jagrut	4/15/2025 10:52:51 AM	Peak Integrated by Software
SSTDICC080	BP024282.D	Pyridine	Rahul	4/15/2025 9:48:04 AM	Jagrut	4/15/2025 10:52:51 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bp041425	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICV040	BP024283.D	Indeno(1,2,3-cd)pyrene	Rahul	4/15/2025 9:50:13 AM	Jagrut	4/15/2025 10:52:54 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bp042425	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP024407.D	Benzoic acid	Rahul	4/25/2025 10:20:50 AM	Jagrut	4/25/2025 10:23:43 AM	Peak Integrated by Software
PB167711BS	BP024409.D	Benzoic acid	Rahul	4/25/2025 10:20:52 AM	Jagrut	4/25/2025 10:23:45 AM	Peak Integrated by Software

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM040825

Review By	anahy	Review On	4/9/2025 10:38:14 AM				
Supervise By	Jagrut	Supervise On	4/9/2025 4:50:06 PM				
SubDirectory	BM040825	HP Acquire Method	BNA_M		HP Processing Method	bm040825	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12657,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM049847.D	08 Apr 2025 12:55	RC/JU	Ok
2	SSTDICC2.5	BM049848.D	08 Apr 2025 13:35	RC/JU	Ok
3	SSTDICC005	BM049849.D	08 Apr 2025 14:14	RC/JU	Ok,M
4	SSTDICC010	BM049850.D	08 Apr 2025 14:53	RC/JU	Ok,M
5	SSTDICC020	BM049851.D	08 Apr 2025 15:32	RC/JU	Ok
6	SSTDICCC040	BM049852.D	08 Apr 2025 16:12	RC/JU	Ok
7	SSTDICC050	BM049853.D	08 Apr 2025 17:30	RC/JU	Ok
8	SSTDICC060	BM049854.D	08 Apr 2025 19:28	RC/JU	Ok,M
9	SSTDICC080	BM049855.D	08 Apr 2025 20:07	RC/JU	Ok,M
10	SSTDICV040	BM049856.D	08 Apr 2025 20:47	RC/JU	Ok
11	PB167474BL	BM049857.D	08 Apr 2025 21:26	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_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM042325

Review By	Rahul	Review On	4/24/2025 9:48:24 AM		
Supervise By	Jagrut	Supervise On	4/24/2025 2:07:47 PM		
SubDirectory	BM042325	HP Acquire Method	BNA_M	HP Processing Method	BM040825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12660,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM050006.D	23 Apr 2025 09:18	RC/JU	Ok
2	SSTDCCC040	BM050007.D	23 Apr 2025 10:38	RC/JU	Ok
3	PB167694BL	BM050008.D	23 Apr 2025 11:17	RC/JU	Ok
4	PB167694BS	BM050009.D	23 Apr 2025 11:57	RC/JU	Ok,M
5	PB167694BSD	BM050010.D	23 Apr 2025 12:36	RC/JU	Ok,M
6	Q1848-03DL	BM050011.D	23 Apr 2025 13:19	RC/JU	Ok,M
7	Q1852-07	BM050012.D	23 Apr 2025 13:58	RC/JU	Ok,M
8	Q1852-07MS	BM050013.D	23 Apr 2025 14:37	RC/JU	Ok,M
9	Q1852-07MSD	BM050014.D	23 Apr 2025 15:16	RC/JU	Ok,M
10	Q1858-01	BM050015.D	23 Apr 2025 15:55	RC/JU	Ok
11	Q1858-02	BM050016.D	23 Apr 2025 16:35	RC/JU	Ok,M
12	Q1858-03	BM050017.D	23 Apr 2025 17:14	RC/JU	Ok
13	Q1859-02	BM050018.D	23 Apr 2025 17:53	RC/JU	Ok
14	Q1859-03	BM050019.D	23 Apr 2025 18:32	RC/JU	Ok
15	Q1859-01	BM050020.D	23 Apr 2025 19:11	RC/JU	Ok
16	Q1853-01	BM050021.D	23 Apr 2025 19:50	RC/JU	Ok,M
17	Q1854-01	BM050022.D	23 Apr 2025 20:29	RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP041425

Review By	Rahul	Review On	4/15/2025 9:55:40 AM				
Supervise By	Jagrut	Supervise On	4/15/2025 10:53:04 AM				
SubDirectory	BP041425	HP Acquire Method	BNA_P		HP Processing Method	bp041425	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12659,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024274.D	14 Apr 2025 10:25	RC/JU	Ok
2	SSTDICC2.5	BP024275.D	14 Apr 2025 11:06	RC/JU	Ok
3	SSTDICC005	BP024276.D	14 Apr 2025 11:47	RC/JU	Ok,M
4	SSTDICC010	BP024277.D	14 Apr 2025 12:27	RC/JU	Ok,M
5	SSTDICC020	BP024278.D	14 Apr 2025 13:08	RC/JU	Ok,M
6	SSTDICCC040	BP024279.D	14 Apr 2025 13:49	RC/JU	Ok
7	SSTDICC050	BP024280.D	14 Apr 2025 15:10	RC/JU	Ok,M
8	SSTDICC060	BP024281.D	14 Apr 2025 16:32	RC/JU	Ok,M
9	SSTDICC080	BP024282.D	14 Apr 2025 17:13	RC/JU	Ok,M
10	SSTDICV040	BP024283.D	14 Apr 2025 18:35	RC/JU	Ok,M
11	PB167488TB	BP024284.D	14 Apr 2025 19:16	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP042425

Review By	Jagrut	Review On	4/25/2025 10:24:06 AM				
Supervise By	Rahul	Supervise On	4/25/2025 10:24:26 AM				
SubDirectory	BP042425	HP Acquire Method	BNA_P		HP Processing Method	bp041425	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12660,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024406.D	24 Apr 2025 11:10	RC/JU	Ok
2	SSTDCCC040	BP024407.D	24 Apr 2025 11:50	RC/JU	Ok,M
3	PB167711BL	BP024408.D	24 Apr 2025 12:31	RC/JU	Ok
4	PB167711BS	BP024409.D	24 Apr 2025 13:12	RC/JU	Ok,M
5	Q1852-02	BP024410.D	24 Apr 2025 16:35	RC/JU	ReRun
6	Q1852-02MS	BP024411.D	24 Apr 2025 17:16	RC/JU	Ok,M
7	Q1852-02MSD	BP024412.D	24 Apr 2025 17:56	RC/JU	Ok,M
8	Q1852-04	BP024413.D	24 Apr 2025 18:37	RC/JU	Ok
9	Q1852-06	BP024414.D	24 Apr 2025 19:18	RC/JU	ReRun
10	Q1852-08	BP024415.D	24 Apr 2025 19:58	RC/JU	ReRun

M : Manual Integration

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM040825

Review By	anahy	Review On	4/9/2025 10:38:14 AM		
Supervise By	Jagrut	Supervise On	4/9/2025 4:50:06 PM		
SubDirectory	BM040825	HP Acquire Method	BNA_M	HP Processing Method	bm040825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12657,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM049847.D	08 Apr 2025 12:55		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BM049848.D	08 Apr 2025 13:35		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BM049849.D	08 Apr 2025 14:14	Compound #32,54,65 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BM049850.D	08 Apr 2025 14:53	Compound #32,54 kept on LR	RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BM049851.D	08 Apr 2025 15:32	This calibration is fail for Com#77	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BM049852.D	08 Apr 2025 16:12	This calibration is good for 8270E DOD except Com#77 and good for 625.1 method	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BM049853.D	08 Apr 2025 17:30		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BM049854.D	08 Apr 2025 19:28	Compound #69 Removed from 60PPM	RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BM049855.D	08 Apr 2025 20:07	Compound #69 Removed from 80PPM	RC/JU	Ok,M
10	SSTDICV040	ICVBM040825	BM049856.D	08 Apr 2025 20:47		RC/JU	Ok
11	PB167474BL	PB167474BL	BM049857.D	08 Apr 2025 21:26	Use for Q1730 only	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_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM042325

Review By	Rahul	Review On	4/24/2025 9:48:24 AM		
Supervise By	Jagrut	Supervise On	4/24/2025 2:07:47 PM		
SubDirectory	BM042325	HP Acquire Method	BNA_M	HP Processing Method	BM040825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12660,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM050006.D	23 Apr 2025 09:18		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM050007.D	23 Apr 2025 10:38		RC/JU	Ok
3	PB167694BL	PB167694BL	BM050008.D	23 Apr 2025 11:17		RC/JU	Ok
4	PB167694BS	PB167694BS	BM050009.D	23 Apr 2025 11:57		RC/JU	Ok,M
5	PB167694BSD	PB167694BSD	BM050010.D	23 Apr 2025 12:36		RC/JU	Ok,M
6	Q1848-03DL	ETGI-275DL	BM050011.D	23 Apr 2025 13:19		RC/JU	Ok,M
7	Q1852-07	72-12013	BM050012.D	23 Apr 2025 13:58		RC/JU	Ok,M
8	Q1852-07MS	72-12013MS	BM050013.D	23 Apr 2025 14:37		RC/JU	Ok,M
9	Q1852-07MSD	72-12013MSD	BM050014.D	23 Apr 2025 15:16		RC/JU	Ok,M
10	Q1858-01	COMP-1	BM050015.D	23 Apr 2025 15:55		RC/JU	Ok
11	Q1858-02	COMP-2	BM050016.D	23 Apr 2025 16:35		RC/JU	Ok,M
12	Q1858-03	COMP-3	BM050017.D	23 Apr 2025 17:14		RC/JU	Ok
13	Q1859-02	COMP-2	BM050018.D	23 Apr 2025 17:53		RC/JU	Ok
14	Q1859-03	COMP-3	BM050019.D	23 Apr 2025 18:32		RC/JU	Ok
15	Q1859-01	COMP-1	BM050020.D	23 Apr 2025 19:11		RC/JU	Ok
16	Q1853-01	EO-02-04222025	BM050021.D	23 Apr 2025 19:50		RC/JU	Ok,M
17	Q1854-01	NB-08-04222025	BM050022.D	23 Apr 2025 20:29		RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP041425

Review By	Rahul	Review On	4/15/2025 9:55:40 AM		
Supervise By	Jagrut	Supervise On	4/15/2025 10:53:04 AM		
SubDirectory	BP041425	HP Acquire Method	BNA_P	HP Processing Method	bp041425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12659,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024274.D	14 Apr 2025 10:25		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP024275.D	14 Apr 2025 11:06		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP024276.D	14 Apr 2025 11:47	Compound #32,54,65 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BP024277.D	14 Apr 2025 12:27		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BP024278.D	14 Apr 2025 13:08		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BP024279.D	14 Apr 2025 13:49	This calibration is fail for Com#77	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BP024280.D	14 Apr 2025 15:10	This calibration is good for 8270E, 8270 DOD and 625.1 methods except Compound#77	RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BP024281.D	14 Apr 2025 16:32	Compound #69 Removed from 60PPM	RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BP024282.D	14 Apr 2025 17:13	Compound #69 Removed from 80PPM	RC/JU	Ok,M
10	SSTDICV040	ICVBP041425	BP024283.D	14 Apr 2025 18:35		RC/JU	Ok,M
11	PB167488TB	PB167488TB	BP024284.D	14 Apr 2025 19:16		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP042425

Review By	Jagrut	Review On	4/25/2025 10:24:06 AM		
Supervise By	Rahul	Supervise On	4/25/2025 10:24:26 AM		
SubDirectory	BP042425	HP Acquire Method	BNA_P	HP Processing Method	bp041425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12660,10ul/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	BP024406.D	24 Apr 2025 11:10		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024407.D	24 Apr 2025 11:50		RC/JU	Ok,M
3	PB167711BL	PB167711BL	BP024408.D	24 Apr 2025 12:31		RC/JU	Ok
4	PB167711BS	PB167711BS	BP024409.D	24 Apr 2025 13:12		RC/JU	Ok,M
5	Q1852-02	ETGI-354	BP024410.D	24 Apr 2025 16:35	Internal Standard Fail	RC/JU	ReRun
6	Q1852-02MS	ETGI-354MS	BP024411.D	24 Apr 2025 17:16		RC/JU	Ok,M
7	Q1852-02MSD	ETGI-354MSD	BP024412.D	24 Apr 2025 17:56		RC/JU	Ok,M
8	Q1852-04	72-11977	BP024413.D	24 Apr 2025 18:37		RC/JU	Ok
9	Q1852-06	ETGI-278	BP024414.D	24 Apr 2025 19:18	Internal Standard Fail	RC/JU	ReRun
10	Q1852-08	72-12013	BP024415.D	24 Apr 2025 19:58	Internal Standard Fail	RC/JU	ReRun

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/23/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:00
In Date: 04/22/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:14
Out Date: 04/23/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135521

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1852-01	ETGI-354	19	1.15	10.26	11.41	10.64	92.5	
Q1852-03	72-11977	20	1.17	10.20	11.37	10.58	92.3	
Q1852-05	ETGI-278	21	1.18	10.36	11.54	10.66	91.5	
Q1852-07	72-12013	22	1.18	10.33	11.51	10.39	89.2	
Q1853-01	EO-02-04222025	23	1.15	9.77	10.92	9.75	88.0	
Q1853-02	EO-02-04222025-E2	24	1.16	9.97	11.13	9.66	85.3	
Q1854-01	NB-08-04222025	25	1.19	9.87	11.06	10.14	90.7	
Q1854-02	NB-08-04222025-E2	26	1.15	9.96	11.11	9.97	88.6	
Q1855-01	2001	1	1.15	10.43	11.58	11.55	99.7	
Q1855-03	2001-2002	2	1.16	9.59	10.75	10.61	98.5	
Q1855-05	60444	3	1.00	1.00	2.00	2.00	100.0	debris
Q1856-01	41825	4	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1857-01	HOPPER-042225-A	5	1.00	1.00	2.00	2.00	100.0	pilc
Q1857-02	HOPPER-042225-B	6	1.00	1.00	2.00	2.00	100.0	pilc
Q1857-03	02-9022-1-1	7	1.00	1.00	2.00	2.00	100.0	pilc
Q1857-04	02-9022-1-2	8	1.00	1.00	2.00	2.00	100.0	pilc
Q1857-05	BC274271-1-1	9	1.00	1.00	2.00	2.00	100.0	pilc
Q1857-06	BC274271-1-2	10	1.00	1.00	2.00	2.00	100.0	pilc
Q1857-07	BC274271-2-1	11	1.00	1.00	2.00	2.00	100.0	pilc
Q1857-08	BC274271-2-2	12	1.00	1.00	2.00	2.00	100.0	pilc
Q1858-01	COMP-1	13	1.14	9.97	11.11	9.5	83.9	
Q1858-02	COMP-2	14	1.19	10.59	11.78	9.8	81.3	
Q1858-03	COMP-3	15	1.12	9.87	10.99	10.11	91.1	
Q1859-01	COMP-1	16	1.13	10.43	11.56	9.43	79.6	
Q1859-02	COMP-2	17	1.15	10.35	11.5	9.76	83.2	
Q1859-03	COMP-3	18	1.18	10.16	11.34	9.88	85.6	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

135521

WorkList Name : %1-042225 **WorkList ID :** 189078 **Department :** Wet-Chemistry **Date :** 04-22-2025 08:37:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1852-01	ETGI-354	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/22/2025	Chemtech -SO
Q1852-03	72-11977	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/22/2025	Chemtech -SO
Q1852-05	ETGI-278	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/22/2025	Chemtech -SO
Q1852-07	72-12013	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/22/2025	Chemtech -SO
Q1853-01	EO-02-04222025	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/22/2025	Chemtech -SO
Q1853-02	EO-02-04222025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	04/22/2025	Chemtech -SO
Q1854-01	NB-08-04222025	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	04/22/2025	Chemtech -SO
Q1854-02	NB-08-04222025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	04/22/2025	Chemtech -SO
Q1855-01	2001	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	04/22/2025	Chemtech -SO
Q1855-03	2001-2002	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/22/2025	Chemtech -SO
Q1855-05	60444	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/22/2025	Chemtech -SO
Q1856-01	41825	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/22/2025	Chemtech -SO
Q1857-01	HOPPER-042225-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/22/2025	Chemtech -SO
Q1857-02	HOPPER-042225-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/22/2025	Chemtech -SO
Q1857-03	02-9022-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/22/2025	Chemtech -SO
Q1857-04	02-9022-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/22/2025	Chemtech -SO
Q1857-05	BC274271-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/22/2025	Chemtech -SO
Q1857-06	BC274271-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/22/2025	Chemtech -SO
Q1857-07	BC274271-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/22/2025	Chemtech -SO
Q1857-08	BC274271-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/22/2025	Chemtech -SO
Q1858-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	POWE02	L41	04/21/2025	Chemtech -SO

Date/Time 04/22/25 15:20

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 04/22/25 17:10

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

VN 135521

WorkList Name : %1-042225 **WorkList ID :** 189078 **Department :** Wet-Chemistry **Date :** 04-22-2025 08:37:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1858-02	COMP-2	Solid	Percent Solids	Cool 4 deg C	POWE02	L41	04/21/2025	Chemtech -SO
Q1858-03	COMP-3	Solid	Percent Solids	Cool 4 deg C	POWE02	L41	04/21/2025	Chemtech -SO
Q1859-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	POWE02	L41	04/21/2025	Chemtech -SO
Q1859-02	COMP-2	Solid	Percent Solids	Cool 4 deg C	POWE02	L41	04/18/2025	Chemtech -SO
Q1859-03	COMP-3	Solid	Percent Solids	Cool 4 deg C	POWE02	L41	04/18/2025	Chemtech -SO

Date/Time 04/22/25 15:20
Raw Sample Received by:
Raw Sample Relinquished by:

Date/Time 04/22/25 17:10
Raw Sample Received by:
Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167711

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	04/23/2025
Matrix :	Solid			**Extraction Start Time :**	09:20
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	04/23/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:20
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**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
MeCl2/Acetone/1:1	N/A	EP2600
Baked Na2SO4	N/A	EP2604
Sand	N/A	EP2865
Methylene Chloride	N/A	E3926
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:

1.5ML Vial Lot # 2210443.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
4/23/25	RS (EXT-Lab)	Rc/SVOC
12:25	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167711

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 04/23/2025

Sample ID	Client Sample ID	Test	(g)/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167711BL	SBLK711	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U3-1
PB167711BS	SLCS711	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
Q1852-01	ETGI-354	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	E		3
Q1852-03	72-11977	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		4
Q1852-05	ETGI-278	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	E		5
Q1852-07	72-12013	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	E		6
Q1852-07MS	72-12013MS	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		U6-1
Q1852-07MSD	72-12013MSD	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	E		2
Q1853-01	EO-02-04222025	SVOC-TCL BNA -20	50.01	N/A	ritesh	Evelyn	1	E		3
Q1854-01	NB-08-04222025	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	E		4
Q1855-03	2001-2002	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		5
Q1858-01	COMP-1	SVOCMS Group1	30.06	N/A	ritesh	Evelyn	1	F		6
Q1858-02	COMP-2	SVOCMS Group1	30.03	N/A	ritesh	Evelyn	1	E		U1-1
Q1858-03	COMP-3	SVOCMS Group1	30.07	N/A	ritesh	Evelyn	1	F		2
Q1859-01	COMP-1	SVOCMS Group1	30.02	N/A	ritesh	Evelyn	1	F		3
Q1859-02	COMP-2	SVOCMS Group1	30.06	N/A	ritesh	Evelyn	1	F		4
Q1859-03	COMP-3	SVOCMS Group1	30.01	N/A	ritesh	Evelyn	1	F		5

RS
4/23

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

167711 9:20

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1853 **WorkList ID :** 189094 **Department :** Extraction **Date :** 04-23-2025 08:34:07

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1852-01	ETGI-354	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	04/22/2025	8270E
Q1852-03	72-11977	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	04/22/2025	8270E
Q1852-05	ETGI-278	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	04/22/2025	8270E
Q1852-07	72-12013	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	04/22/2025	8270E
Q1853-01	EO-02-04222025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	L41	04/22/2025	8270E
Q1854-01	NB-08-04222025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	L31	04/22/2025	8270E
Q1855-03	2001-2002	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L51	04/22/2025	8270E
Q1858-01	COMP-1	Solid	SVOCMS Group1	Cool 4 deg C	POWE02	L41	04/21/2025	8270E
Q1858-02	COMP-2	Solid	SVOCMS Group1	Cool 4 deg C	POWE02	L41	04/21/2025	8270E
Q1858-03	COMP-3	Solid	SVOCMS Group1	Cool 4 deg C	POWE02	L41	04/21/2025	8270E
Q1859-01	COMP-1	Solid	SVOCMS Group1	Cool 4 deg C	POWE02	L41	04/18/2025	8270E
Q1859-02	COMP-2	Solid	SVOCMS Group1	Cool 4 deg C	POWE02	L41	04/18/2025	8270E
Q1859-03	COMP-3	Solid	SVOCMS Group1	Cool 4 deg C	POWE02	L41	04/18/2025	8270E

Date/Time 04/23/25 9:15
Raw Sample Received by: RJ (EET-lab)
Raw Sample Relinquished by: JD (CSM)

Date/Time 04/23/25 9:40
Raw Sample Received by: JD (CSM)
Raw Sample Relinquished by: RJ (EET-lab)

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q1858
QUOTE NO.
COC Number 2046700

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Kleinfelder
ADDRESS: 180 Sheree Blvd Suite 3800
CITY Exton STATE: PA ZIP: 19341
ATTENTION: Mark Warchol
PHONE: 484-883-3892 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Henry Lea School
PROJECT NO.: LOCATION: Philadelphia, PA
PROJECT MANAGER: Mark Warchol
e-mail: mwarchol@kleinfelder.com
PHONE: 484-883-3892 FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS: Same
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) 5 DAYS*
HARDCOPY (DATA PACKAGE): 5 DAYS*
EDD: 5 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 4 (QC + Full Raw Data)
- ☑ Level 2 (Results + QC)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT

ANALYSIS

1: PADEP Historic Non-Fill Parameters
2
3
4
5
6
7
8
9

PRESERVATIVES

E

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9
1.	COMP-1	Soil	✓		4/21/25	9:55	4	✓								
2.	COMP-2	↓	↓		↓	10:45	↓	↓								
3.	COMP-3	↓	↓		↓	11:45	↓	↓								
4.																
5.																
6.																
7.																
8.																
9.																
10.																

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	4/21/25	1.
2. FedEx	4-22-25	2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.5°C °C
(Adjust Factor +1)
Comments: IR GUN #1

Page 1 of 1

CLIENT: ☐ Hand Delivered ☑ Other Fedex

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	Q1858 POWE02	**Order Date :**	4/22/2025 2:54:00 PM	**Project Mgr :**	
Client Name :	Kleinfelder	**Project Name :**	Henry Lea School	**Report Type :**	Results+QC
Client Contact :	Mark Warchol	**Receive DateTime :**	4/22/2025 2:50:00 PM	**EDD Type :**	EXCEL NOCLEANUP
Invoice Name :	Kleinfelder	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Mark Warchol			**Date Signoff :**	

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1858-01	COMP-1	Solid	04/21/2025	09:55					
					VOCMS Group1		8260D		5 Bus. Days
Q1858-02	COMP-2	Solid	04/21/2025	10:45					
					VOCMS Group1		8260D		5 Bus. Days
Q1858-03	COMP-3	Solid	04/21/2025	11:45					
					VOCMS Group1		8260D		5 Bus. Days

Relinguished By : _____

Date / Time : 4/22/25 1510

Received By : JC

Date / Time : 4/22/25 1510

Storage Area : **VOA Refridgerator Room**