

Cover Page

Order ID : Q2934

Project ID : Amtrak Sawtooth Bridges 2025

Client : Portal Partners Tri-Venture

Lab Sample Number

Q2934-01
Q2934-02
Q2934-03
Q2934-04

Client Sample Number

ENV-SW01
ENV-SW02
ENV-SW03
ENV-SW04

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

Signature : _____

Date: 8/30/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Portal Partners Tri-Venture

Project Name: Amtrak Sawtooth Bridges 2025

Project # N/A

Order ID # Q2934

Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:

4 Water samples were received on 08/21/2025.

B. Parameters

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

C. Analytical Techniques:

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

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except for MW-201-082025MS [Nitrobenzene-d5 - 148%], MW-201-082025MSD [Nitrobenzene-d5 - 149%] these compounds did not meet the NJDKQP criteria and in-house criteria, as per method one surrogate is allowed to failed, therefore no corrective action was taken.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The MS {Q2924-03MS} with File ID: BP025602.D recoveries met the requirements for all compounds except for 2-Methylphenol[66%], bis(2-Chloroethoxy)methane[137%], 4-Chloroaniline[55%], Acenaphthylene[58%], 3-Nitroaniline[62%] these compounds did not meet the NJDKQP criteria but met the in-house criteria also 2,2-oxybis(1-Chloropropane)[33%], 2,4-Dichlorophenol[157%], 2,4-Dimethylphenol[147%], 2-Methylnaphthalene[-233%], 2-Nitrophenol[168%], 4-Chloro-3-methylphenol[149%], Acetophenone[170%], Hexachlorobutadiene[139%], Hexachloroethane[181%], Isophorone[159%], Naphthalene[-777%] and Nitrobenzene[167%] these compounds did not meet the NJDKQP criteria and in-house criteria due to matrix interference.

The MSD {Q2924-04MSD} with File ID: BP025603.D recoveries met the requirements for all compounds except for 2-Methylphenol[66%], bis(2-Chloroethoxy)methane[143%] 4-Chloroaniline[60%] Acenaphthylene[57%], 3-Nitroaniline[62%] these compounds did not meet the NJDKQP criteria but met the in-house criteria also 2,2-oxybis(1-Chloropropane)[35%], 2,4-Dichlorophenol[162%], 2,4-Dimethylphenol[149%], 2-Methylnaphthalene[-133%], 2-Nitrophenol[172%], 4-Chloro-3-methylphenol[151%], Acetophenone[172%], Hexachlorobutadiene[142%], Hexachloroethane[184%], Isophorone[162%], Naphthalene[-190%] and Nitrobenzene[169%] these compounds did not meet the NJDKQP criteria and in-house criteria due to matrix interference.

The RPD for {Q2924-04MSD} with File ID: BP025603.D met criteria except for 2-Methylnaphthalene[55%], Naphthalene[121%] these compounds did not meet the NJDKQP criteria and in-house criteria due to difference in results of MS and MSD.

The Blank Spike for {PB169362BS} with File ID: BP025581.D met requirements for all compounds except for 3,3-Dichlorobenzidine[64%], 3-Nitroaniline[62%] and 4-Chloroaniline[48%] these compounds did not meet the NJDKQP criteria but met the in-house criteria.

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

The Continuous Calibration File ID BP025544.D met the requirements except for 2,4-Dinitrophenol and Benzaldehyde but no positive hits in associated sample therefore no corrective action taken.

The Continuous Calibration File ID BP025561.D met the requirements except for 2,4-Dinitrophenol and Benzaldehyde but no positive hits in associated sample therefore no corrective action taken.

The Continuous Calibration File ID BP025579.D met the requirements except for 2,4-Dinitrophenol and Benzaldehyde but no positive hits in associated sample therefore no corrective action taken.

The Continuous Calibration File ID BP025596.D met the requirements except for 2,4-Dinitrophenol and Benzaldehyde but no positive hits in associated sample therefore no corrective action taken.

The Tuning criteria met requirements.

E. Additional Comments:

The Form 6 is not included in the data package because the Initial Calibration was performed using 8 points.



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_____

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 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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2934

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: PRIYANKA DAVE

Date: 08/30/2025

LAB CHRONICLE

OrderID: Q2934
Client: Portal Partners Tri-Venture
Contact: Joseph Krupansky

OrderDate: 8/21/2025 2:34:00 PM
Project: Amtrak Sawtooth Bridges 2025
Location: D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2934-01	ENV-SW01	Water	SVOC-TCL BNA -20	8270E	08/21/25	08/22/25	08/22/25	08/21/25
Q2934-02	ENV-SW02	Water	SVOC-TCL BNA -20	8270E	08/21/25	08/22/25	08/22/25	08/21/25
Q2934-03	ENV-SW03	Water	SVOC-TCL BNA -20	8270E	08/21/25	08/22/25	08/22/25	08/21/25
Q2934-04	ENV-SW04	Water	SVOC-TCL BNA -20	8270E	08/21/25	08/22/25	08/22/25	08/21/25

Hit Summary Sheet SW-846

SDG No.: Q2934
Client: Portal Partners Tri-Venture

Sample ID	Client ID		Parameter		Concentration	C	MDL		RDL	Units
Client ID : ENV-SW01										
Q2934-01	ENV-SW01	WATER	Bis(2-ethylhexyl)phthalate		2.100	J	1.6		5	ug/L
Total Svoc :					2.10					
Q2934-01	ENV-SW01	WATER	Butane, 2-methoxy-2-methyl-	*	82.900	J	0		0	ug/L
Q2934-01	ENV-SW01	WATER	n-Hexadecanoic acid	*	12.300	J	0		0	ug/L
Q2934-01	ENV-SW01	WATER	Octadecanoic acid	*	2.400	J	0		0	ug/L
Q2934-01	ENV-SW01	WATER	unknown2.984	*	3.100	J	0		0	ug/L
Q2934-01	ENV-SW01	WATER	unknown3.078	*	3.700	J	0		0	ug/L
Q2934-01	ENV-SW01	WATER	1-Hexacosene	*	4.600	J	0		0	ug/L
Q2934-01	ENV-SW01	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	7.500	AB	0		0	ug/L
Q2934-01	ENV-SW01	WATER	Benzophenone	*	7.400	J	0		0	ug/L
Total Tics :					123.90					
Total Concentration:					126.00					
Client ID : ENV-SW02										
Q2934-02	ENV-SW02	WATER	1,1,3-Trimethoxypropane	*	4.100	J	0		0	ug/L
Q2934-02	ENV-SW02	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	8.700	AB	0		0	ug/L
Q2934-02	ENV-SW02	WATER	Benzophenone	*	7.700	J	0		0	ug/L
Q2934-02	ENV-SW02	WATER	Butane, 2-methoxy-2-methyl-	*	81.000	J	0		0	ug/L
Q2934-02	ENV-SW02	WATER	n-Hexadecanoic acid	*	14.100	J	0		0	ug/L
Q2934-02	ENV-SW02	WATER	Octadecanoic acid	*	5.300	J	0		0	ug/L
Q2934-02	ENV-SW02	WATER	Pentadecafluorooctanoic acid, oct:	*	4.900	J	0		0	ug/L
Total Tics :					125.80					
Total Concentration:					125.80					
Client ID : ENV-SW03										
Q2934-03	ENV-SW03	WATER	2-Butene, 1-bromo-3-methyl-	*	2.800	J	0		0	ug/L
Q2934-03	ENV-SW03	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	8.300	AB	0		0	ug/L
Q2934-03	ENV-SW03	WATER	Benzophenone	*	8.300	J	0		0	ug/L
Q2934-03	ENV-SW03	WATER	Butane, 2-methoxy-2-methyl-	*	75.200	J	0		0	ug/L
Q2934-03	ENV-SW03	WATER	Ethanol, 2-(tetradecyloxy)-	*	5.800	J	0		0	ug/L
Q2934-03	ENV-SW03	WATER	n-Hexadecanoic acid	*	16.100	J	0		0	ug/L
Q2934-03	ENV-SW03	WATER	Octadecanoic acid	*	5.300	J	0		0	ug/L
Q2934-03	ENV-SW03	WATER	unknown3.072	*	3.400	J	0		0	ug/L
Total Tics :					125.20					
Total Concentration:					125.20					
Client ID : ENV-SW04										
Q2934-04	ENV-SW04	WATER	2-Arachidonoylglycerol	*	6.600	J	0		0	ug/L
Q2934-04	ENV-SW04	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	7.400	AB	0		0	ug/L

Hit Summary Sheet SW-846

SDG No.: Q2934

Client: Portal Partners Tri-Venture

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Q2934-04	ENV-SW04	WATER	3-Buten-2-one, 3-methyl-	*	4.100	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	9,12,15-Octadecatrienoic acid, (Z,	*	7.000	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Benzophenone	*	17.000	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Butane, 2-methoxy-2-methyl-	*	65.700	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Cyclotetracosane	*	16.900	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Heneicosane, 11-decyl-	*	5.200	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Heptadecane, 9-octyl-	*	3.900	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Myristyl myristate	*	17.700	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Neophytadiene	*	9.300	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	n-Hexadecanoic acid	*	30.400	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Octadecane	*	3.900	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Octadecanoic acid	*	8.800	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Phytol	*	4.600	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Squalene	*	4.500	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Tetracosane	*	4.700	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Tetradecanoic acid, hexadecyl est	*	15.200	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	unknown3.078	*	4.800	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	unknown4.249	*	4.400	J 0	0	ug/L
Total Tics :					242.10			
Total Concentration:					242.10			



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q2934

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB169362BL	PB169362BL	2-Fluorophenol	150	125	83		15 (23)	110 (138)
		Phenol-d6	150	120	80		15 (10)	110 (134)
		Nitrobenzene-d5	100	75.8	76		30 (67)	130 (132)
		2-Fluorobiphenyl	100	73.3	73		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	123	82		15 (44)	110 (137)
		Terphenyl-d14	100	70.1	70		30 (42)	130 (152)
PB169362BS	PB169362BS	2-Fluorophenol	150	116	77		15 (23)	110 (138)
		Phenol-d6	150	113	75		15 (10)	110 (134)
		Nitrobenzene-d5	100	72.1	72		30 (67)	130 (132)
		2-Fluorobiphenyl	100	70.9	71		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	119	80		15 (44)	110 (137)
		Terphenyl-d14	100	75.5	75		30 (42)	130 (152)
Q2924-03MS	MW-201-082025MS	2-Fluorophenol	150	67.6	45		15 (23)	110 (138)
		Phenol-d6	150	41.4	28		15 (10)	110 (134)
		Nitrobenzene-d5	100	148	148	*	30 (67)	130 (132)
		2-Fluorobiphenyl	100	79.6	80		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	138	92		15 (44)	110 (137)
		Terphenyl-d14	100	76.9	77		30 (42)	130 (152)
Q2924-04MSD	MW-201-082025MSD	2-Fluorophenol	150	67.4	45		15 (23)	110 (138)
		Phenol-d6	150	41.4	28		15 (10)	110 (134)
		Nitrobenzene-d5	100	149	149	*	30 (67)	130 (132)
		2-Fluorobiphenyl	100	78.1	78		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	135	90		15 (44)	110 (137)
		Terphenyl-d14	100	76.2	76		30 (42)	130 (152)
Q2934-01	ENV-SW01	2-Fluorophenol	150	84.9	57		15 (23)	110 (138)
		Phenol-d6	150	65.0	43		15 (10)	110 (134)
		Nitrobenzene-d5	100	93.9	94		30 (67)	130 (132)
		2-Fluorobiphenyl	100	88.1	88		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	154	102		15 (44)	110 (137)
		Terphenyl-d14	100	80.8	81		30 (42)	130 (152)
Q2934-02	ENV-SW02	2-Fluorophenol	150	93.7	62		15 (23)	110 (138)
		Phenol-d6	150	73.6	49		15 (10)	110 (134)
		Nitrobenzene-d5	100	97.0	97		30 (67)	130 (132)
		2-Fluorobiphenyl	100	87.4	87		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	157	105		15 (44)	110 (137)
		Terphenyl-d14	100	82.2	82		30 (42)	130 (152)
Q2934-03	ENV-SW03	2-Fluorophenol	150	89.6	60		15 (23)	110 (138)
		Phenol-d6	150	72.4	48		15 (10)	110 (134)
		Nitrobenzene-d5	100	90.1	90		30 (67)	130 (132)
		2-Fluorobiphenyl	100	79.9	80		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	151	101		15 (44)	110 (137)
		Terphenyl-d14	100	85.7	86		30 (42)	130 (152)
Q2934-04	ENV-SW04	2-Fluorophenol	150	83.0	55		15 (23)	110 (138)
		Phenol-d6	150	72.1	48		15 (10)	110 (134)
		Nitrobenzene-d5	100	80.8	81		30 (67)	130 (132)
		2-Fluorobiphenyl	100	74.6	75		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	133	89		15 (44)	110 (137)
		Terphenyl-d14	100	75.1	75		30 (42)	130 (152)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2934

Analytical Method: SW8270E

Client: Portal Partners Tri-Venture

DataFile: BP025602.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q2924-03MS		Client Sample ID: MW-201-082025MS									
Benzaldehyde	51.5	0	38.4	ug/L	75				20 (10)	160 (137)	
Phenol	51.5	0	16.0	ug/L	31				20 (10)	160 (130)	
bis(2-Chloroethyl)ether	51.5	0	44.3	ug/L	86				70 (29)	130 (141)	
2-Chlorophenol	51.5	0	39.6	ug/L	77				70 (23)	130 (127)	
2-Methylphenol	51.5	0	33.8	ug/L	66	*			70 (60)	130 (131)	
2,2-oxybis(1-Chloropropane)	51.5	0	17.1	ug/L	33	*			70 (36)	130 (141)	
Acetophenone	51.5	0	87.5	ug/L	170	*			70 (31)	130 (164)	
3+4-Methylphenols	51.5	10.0	40.9	ug/L	60				20 (54)	160 (136)	
N-Nitroso-di-n-propylamine	51.5	0	42.2	ug/L	82				70 (36)	130 (147)	
Hexachloroethane	51.5	0	93.2	ug/L	181	*			20 (19)	160 (146)	
Nitrobenzene	51.5	0	85.8	ug/L	167	*			70 (62)	130 (112)	
Isophorone	51.5	0	81.7	ug/L	159	*			70 (39)	130 (146)	
2-Nitrophenol	51.5	0	86.6	ug/L	168	*			70 (30)	130 (148)	
2,4-Dimethylphenol	51.5	0	75.6	ug/L	147	*			70 (17)	130 (143)	
bis(2-Chloroethoxy)methane	51.5	0	70.3	ug/L	137	*			70 (39)	130 (143)	
2,4-Dichlorophenol	51.5	0	80.6	ug/L	157	*			70 (22)	130 (146)	
Naphthalene	51.5	3100	2700	ug/L	-777	*			70 (17)	130 (157)	
4-Chloroaniline	51.5	0	28.5	ug/L	55	*			70 (10)	130 (95)	
Hexachlorobutadiene	51.5	0	71.5	ug/L	139	*			70 (52)	130 (125)	
Caprolactam	51.5	0	16.7	ug/L	32				20 (10)	160 (130)	
4-Chloro-3-methylphenol	51.5	0	76.5	ug/L	149	*			70 (17)	130 (148)	
2-Methylnaphthalene	51.5	920	800	ug/L	-233	*			70 (38)	130 (146)	
Hexachlorocyclopentadiene	100	0	79.7	ug/L	80				20 (20)	160 (153)	
2,4,6-Trichlorophenol	51.5	0	50.2	ug/L	97				70 (78)	130 (112)	
2,4,5-Trichlorophenol	51.5	0	49.4	ug/L	96				70 (71)	130 (111)	
1,1-Biphenyl	51.5	26.0	69.6	ug/L	85				70 (38)	130 (154)	
2-Chloronaphthalene	51.5	0	48.9	ug/L	95				70 (41)	130 (145)	
2-Nitroaniline	51.5	0	54.1	ug/L	105				70 (39)	130 (151)	
Dimethylphthalate	51.5	0	48.7	ug/L	95				70 (42)	130 (147)	
Acenaphthylene	51.5	160	190	ug/L	58	*			70 (40)	130 (141)	
2,6-Dinitrotoluene	51.5	0	51.4	ug/L	100				70 (43)	130 (148)	
3-Nitroaniline	51.5	0	31.7	ug/L	62	*			70 (10)	130 (111)	
Acenaphthene	51.5	8.70	54.7	ug/L	89				70 (37)	130 (146)	
2,4-Dinitrophenol	100	0	120	ug/L	120				20 (14)	160 (167)	
4-Nitrophenol	100	0	42.0	ug/L	42				20 (10)	160 (130)	
Dibenzofuran	51.5	4.00	51.3	ug/L	92				70 (41)	130 (145)	
2,4-Dinitrotoluene	51.5	0	53.3	ug/L	103				70 (74)	130 (137)	
Diethylphthalate	51.5	2.10	50.3	ug/L	94				70 (41)	130 (148)	
4-Chlorophenyl-phenylether	51.5	0	48.5	ug/L	94				70 (38)	130 (149)	
Fluorene	51.5	27.4	67.1	ug/L	77				70 (39)	130 (144)	
4-Nitroaniline	51.5	0	48.5	ug/L	94				70 (27)	130 (138)	
4,6-Dinitro-2-methylphenol	51.5	0	55.1	ug/L	107				70 (32)	130 (175)	
N-Nitrosodiphenylamine	51.5	0	51.1	ug/L	99				70 (40)	130 (150)	
4-Bromophenyl-phenylether	51.5	0	51.5	ug/L	100				70 (42)	130 (151)	
Hexachlorobenzene	51.5	0	52.5	ug/L	102				70 (72)	130 (115)	
Atrazine	51.5	0	47.8	ug/L	93				70 (20)	130 (162)	

() = LABORATORY INHOUSE LIMIT

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2934

Analytical Method: SW8270E

Client: Portal Partners Tri-Venture

DataFile: BP025602.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	100	0	110	ug/L	110				20 (52)	160 (162)	
Phenanthrene	51.5	29.6	65.4	ug/L	70				70 (40)	130 (147)	
Anthracene	51.5	6.10	53.4	ug/L	92				70 (41)	130 (146)	
Carbazole	51.5	13.8	61.7	ug/L	93				70 (37)	130 (154)	
Di-n-butylphthalate	51.5	2.70	51.3	ug/L	94				70 (40)	130 (151)	
Fluoranthene	51.5	2.30	51.0	ug/L	95				70 (42)	130 (146)	
Pyrene	51.5	3.00	50.5	ug/L	92				70 (41)	130 (149)	
Butylbenzylphthalate	51.5	0	51.2	ug/L	99				70 (39)	130 (155)	
3,3-Dichlorobenzidine	51.5	0	41.5	ug/L	81				70 (10)	130 (114)	
Benzo(a)anthracene	51.5	0	49.5	ug/L	96				70 (41)	130 (147)	
Chrysene	51.5	0	50.0	ug/L	97				70 (44)	130 (144)	
bis(2-Ethylhexyl)phthalate	51.5	0	48.4	ug/L	94				70 (33)	130 (160)	
Di-n-octyl phthalate	51.5	0	51.0	ug/L	99				70 (36)	130 (158)	
Benzo(b)fluoranthene	51.5	0	50.0	ug/L	97				70 (40)	130 (150)	
Benzo(k)fluoranthene	51.5	0	49.1	ug/L	95				70 (40)	130 (147)	
Benzo(a)pyrene	51.5	0	49.3	ug/L	96				70 (42)	130 (147)	
Indeno(1,2,3-cd)pyrene	51.5	0	50.1	ug/L	97				70 (30)	130 (166)	
Dibenz(a,h)anthracene	51.5	0	51.0	ug/L	99				70 (23)	130 (172)	
Benzo(g,h,i)perylene	51.5	0	50.2	ug/L	97				70 (27)	130 (167)	
1,2,4,5-Tetrachlorobenzene	51.5	0	50.1	ug/L	97				70 (89)	130 (102)	
1,4-Dioxane	51.5	0	21.2	ug/L	41				20 (38)	160 (130)	
2,3,4,6-Tetrachlorophenol	51.5	0	51.1	ug/L	99				70 (91)	130 (111)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2934

Analytical Method: SW8270E

Client: Portal Partners Tri-Venture

DataFile: BP025603.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q2924-04MSD		Client Sample ID: MW-201-082025MSD									
Benzaldehyde	52.6	0	37.7	ug/L	72		4		20 (10)	160 (137)	20 (20)
Phenol	52.6	0	16.4	ug/L	31		0		20 (10)	160 (130)	20 (20)
bis(2-Chloroethyl)ether	52.6	0	44.2	ug/L	84		2		70 (29)	130 (141)	20 (20)
2-Chlorophenol	52.6	0	39.6	ug/L	75		3		70 (23)	130 (127)	20 (20)
2-Methylphenol	52.6	0	34.5	ug/L	66	*	0		70 (60)	130 (131)	20 (20)
2,2-oxybis(1-Chloropropane)	52.6	0	18.4	ug/L	35	*	6		70 (36)	130 (141)	20 (20)
Acetophenone	52.6	0	90.6	ug/L	172	*	1		70 (31)	130 (164)	20 (20)
3+4-Methylphenols	52.6	10.0	41.7	ug/L	60		0		20 (54)	160 (136)	20 (20)
N-Nitroso-di-n-propylamine	52.6	0	43.2	ug/L	82		0		70 (36)	130 (147)	20 (20)
Hexachloroethane	52.6	0	96.9	ug/L	184	*	2		20 (19)	160 (146)	20 (20)
Nitrobenzene	52.6	0	89.1	ug/L	169	*	1		70 (62)	130 (112)	20 (20)
Isophorone	52.6	0	85.0	ug/L	162	*	2		70 (39)	130 (146)	20 (20)
2-Nitrophenol	52.6	0	90.4	ug/L	172	*	2		70 (30)	130 (148)	20 (20)
2,4-Dimethylphenol	52.6	0	78.4	ug/L	149	*	1		70 (17)	130 (143)	20 (20)
bis(2-Chloroethoxy)methane	52.6	0	75.2	ug/L	143	*	4		70 (39)	130 (143)	20 (20)
2,4-Dichlorophenol	52.6	0	85.1	ug/L	162	*	3		70 (22)	130 (146)	20 (20)
Naphthalene	52.6	3100	3000	ug/L	-190	*	121	*	70 (17)	130 (157)	20 (20)
4-Chloroaniline	52.6	0	31.3	ug/L	60	*	9		70 (10)	130 (95)	20 (20)
Hexachlorobutadiene	52.6	0	74.8	ug/L	142	*	2		70 (52)	130 (125)	20 (20)
Caprolactam	52.6	0	17.0	ug/L	32		0		20 (10)	160 (130)	20 (20)
4-Chloro-3-methylphenol	52.6	0	79.4	ug/L	151	*	1		70 (17)	130 (148)	20 (20)
2-Methylnaphthalene	52.6	920	850	ug/L	-133	*	55	*	70 (38)	130 (146)	20 (20)
Hexachlorocyclopentadiene	110	0	76.9	ug/L	70		13		20 (20)	160 (153)	20 (20)
2,4,6-Trichlorophenol	52.6	0	50.2	ug/L	95		2		70 (78)	130 (112)	20 (20)
2,4,5-Trichlorophenol	52.6	0	49.9	ug/L	95		1		70 (71)	130 (111)	20 (20)
1,1-Biphenyl	52.6	26.0	70.0	ug/L	84		1		70 (38)	130 (154)	20 (20)
2-Chloronaphthalene	52.6	0	48.9	ug/L	93		2		70 (41)	130 (145)	20 (20)
2-Nitroaniline	52.6	0	53.9	ug/L	102		3		70 (39)	130 (151)	20 (20)
Dimethylphthalate	52.6	0	47.8	ug/L	91		4		70 (42)	130 (147)	20 (20)
Acenaphthylene	52.6	160	190	ug/L	57	*	2		70 (40)	130 (141)	20 (20)
2,6-Dinitrotoluene	52.6	0	51.3	ug/L	98		2		70 (43)	130 (148)	20 (20)
3-Nitroaniline	52.6	0	32.4	ug/L	62	*	0		70 (10)	130 (111)	20 (20)
Acenaphthene	52.6	8.70	53.5	ug/L	85		5		70 (37)	130 (146)	20 (20)
2,4-Dinitrophenol	110	0	120	ug/L	109		10		20 (14)	160 (167)	20 (20)
4-Nitrophenol	110	0	42.7	ug/L	39		7		20 (10)	160 (130)	20 (20)
Dibenzofuran	52.6	4.00	51.2	ug/L	90		2		70 (41)	130 (145)	20 (20)
2,4-Dinitrotoluene	52.6	0	52.5	ug/L	100		3		70 (74)	130 (137)	20 (20)
Diethylphthalate	52.6	2.10	48.9	ug/L	89		5		70 (41)	130 (148)	20 (20)
4-Chlorophenyl-phenylether	52.6	0	48.5	ug/L	92		2		70 (38)	130 (149)	20 (20)
Fluorene	52.6	27.4	68.0	ug/L	77		0		70 (39)	130 (144)	20 (20)
4-Nitroaniline	52.6	0	49.4	ug/L	94		0		70 (27)	130 (138)	20 (20)
4,6-Dinitro-2-methylphenol	52.6	0	55.7	ug/L	106		1		70 (32)	130 (175)	20 (20)
N-Nitrosodiphenylamine	52.6	0	50.5	ug/L	96		3		70 (40)	130 (150)	20 (20)
4-Bromophenyl-phenylether	52.6	0	52.0	ug/L	99		1		70 (42)	130 (151)	20 (20)
Hexachlorobenzene	52.6	0	52.3	ug/L	99		3		70 (72)	130 (115)	20 (20)
Atrazine	52.6	0	48.5	ug/L	92		1		70 (20)	130 (162)	20 (20)

() = LABORATORY INHOUSE LIMIT

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2934

Analytical Method: SW8270E

Client: Portal Partners Tri-Venture

DataFile: BP025603.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	110	0	110	ug/L	100		10		20 (52)	160 (162)	20 (20)
Phenanthrene	52.6	29.6	67.2	ug/L	71		1		70 (40)	130 (147)	20 (20)
Anthracene	52.6	6.10	53.2	ug/L	90		2		70 (41)	130 (146)	20 (20)
Carbazole	52.6	13.8	63.5	ug/L	94		1		70 (37)	130 (154)	20 (20)
Di-n-butylphthalate	52.6	2.70	52.6	ug/L	95		1		70 (40)	130 (151)	20 (20)
Fluoranthene	52.6	2.30	51.6	ug/L	94		1		70 (42)	130 (146)	20 (20)
Pyrene	52.6	3.00	50.1	ug/L	90		2		70 (41)	130 (149)	20 (20)
Butylbenzylphthalate	52.6	0	52.0	ug/L	99		0		70 (39)	130 (155)	20 (20)
3,3-Dichlorobenzidine	52.6	0	43.4	ug/L	83		2		70 (10)	130 (114)	20 (20)
Benzo(a)anthracene	52.6	0	49.9	ug/L	95		1		70 (41)	130 (147)	20 (20)
Chrysene	52.6	0	51.2	ug/L	97		0		70 (44)	130 (144)	20 (20)
bis(2-Ethylhexyl)phthalate	52.6	0	49.7	ug/L	94		0		70 (33)	130 (160)	20 (20)
Di-n-octyl phthalate	52.6	0	52.0	ug/L	99		0		70 (36)	130 (158)	20 (20)
Benzo(b)fluoranthene	52.6	0	50.4	ug/L	96		1		70 (40)	130 (150)	20 (20)
Benzo(k)fluoranthene	52.6	0	49.6	ug/L	94		1		70 (40)	130 (147)	20 (20)
Benzo(a)pyrene	52.6	0	49.8	ug/L	95		1		70 (42)	130 (147)	20 (20)
Indeno(1,2,3-cd)pyrene	52.6	0	50.9	ug/L	97		0		70 (30)	130 (166)	20 (20)
Dibenz(a,h)anthracene	52.6	0	51.6	ug/L	98		1		70 (23)	130 (172)	20 (20)
Benzo(g,h,i)perylene	52.6	0	50.6	ug/L	96		1		70 (27)	130 (167)	20 (20)
1,2,4,5-Tetrachlorobenzene	52.6	0	49.8	ug/L	95		2		70 (89)	130 (102)	20 (20)
1,4-Dioxane	52.6	0	21.8	ug/L	41		0		20 (38)	160 (130)	20 (20)
2,3,4,6-Tetrachlorophenol	52.6	0	50.6	ug/L	96		3		70 (91)	130 (111)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2934

Analytical Method: 8270E

Client: Portal Partners Tri-Venture

DataFile: BP025581.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB169362BS	Benzaldehyde	50	22.9	ug/L	46				20 (10)	160 (162)	
	Phenol	50	41.7	ug/L	83				20 (66)	160 (118)	
	bis(2-Chloroethyl)ether	50	40.1	ug/L	80				70 (62)	130 (103)	
	2-Chlorophenol	50	41.6	ug/L	83				70 (70)	130 (117)	
	2-Methylphenol	50	41.0	ug/L	82				70 (69)	130 (109)	
	2,2-oxybis(1-Chloropropane)	50	39.7	ug/L	79				70 (65)	130 (100)	
	Acetophenone	50	39.8	ug/L	80				70 (60)	130 (104)	
	3+4-Methylphenols	50	39.8	ug/L	80				20 (67)	160 (106)	
	N-Nitroso-di-n-propylamine	50	36.5	ug/L	73				70 (57)	130 (107)	
	Hexachloroethane	50	40.3	ug/L	81				20 (76)	160 (118)	
	Nitrobenzene	50	41.1	ug/L	82				70 (58)	130 (106)	
	Isophorone	50	39.2	ug/L	78				70 (61)	130 (102)	
	2-Nitrophenol	50	42.7	ug/L	85				70 (70)	130 (115)	
	2,4-Dimethylphenol	50	42.3	ug/L	85				70 (42)	130 (142)	
	bis(2-Chloroethoxy)methane	50	40.1	ug/L	80				70 (58)	130 (109)	
	2,4-Dichlorophenol	50	43.3	ug/L	87				70 (66)	130 (115)	
	Naphthalene	50	39.7	ug/L	79				70 (64)	130 (107)	
	4-Chloroaniline	50	23.9	ug/L	48		*		70 (10)	130 (85)	
	Hexachlorobutadiene	50	40.8	ug/L	82				70 (69)	130 (101)	
	Caprolactam	50	39.6	ug/L	79				20 (58)	160 (128)	
	4-Chloro-3-methylphenol	50	42.3	ug/L	85				70 (65)	130 (114)	
	2-Methylnaphthalene	50	39.4	ug/L	79				70 (64)	130 (107)	
	Hexachlorocyclopentadiene	100	81.0	ug/L	81				20 (36)	160 (160)	
	2,4,6-Trichlorophenol	50	44.1	ug/L	88				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	44.6	ug/L	89				70 (70)	130 (106)	
	1,1-Biphenyl	50	41.8	ug/L	84				70 (72)	130 (98)	
	2-Chloronaphthalene	50	40.9	ug/L	82				70 (59)	130 (106)	
	2-Nitroaniline	50	44.0	ug/L	88				70 (73)	130 (114)	
	Dimethylphthalate	50	41.0	ug/L	82				70 (64)	130 (103)	
	Acenaphthylene	50	40.9	ug/L	82				70 (79)	130 (103)	
	2,6-Dinitrotoluene	50	43.4	ug/L	87				70 (64)	130 (110)	
	3-Nitroaniline	50	31.2	ug/L	62		*		70 (28)	130 (100)	
	Acenaphthene	50	39.5	ug/L	79				70 (59)	130 (113)	
	2,4-Dinitrophenol	100	100	ug/L	100				20 (36)	160 (166)	
	4-Nitrophenol	100	82.1	ug/L	82				20 (45)	160 (147)	
	Dibenzofuran	50	40.2	ug/L	80				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	43.7	ug/L	87				70 (60)	130 (115)	
	Diethylphthalate	50	41.5	ug/L	83				70 (63)	130 (105)	
	4-Chlorophenyl-phenylether	50	40.1	ug/L	80				70 (61)	130 (104)	
	Fluorene	50	40.2	ug/L	80				70 (64)	130 (107)	
	4-Nitroaniline	50	41.1	ug/L	82				70 (55)	130 (125)	
	4,6-Dinitro-2-methylphenol	50	46.7	ug/L	93				70 (62)	130 (132)	
	N-Nitrosodiphenylamine	50	42.8	ug/L	86				70 (61)	130 (109)	
	4-Bromophenyl-phenylether	50	42.2	ug/L	84				70 (73)	130 (103)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: <u>Q2934</u>	Analytical Method: <u>8270E</u>
Client: <u>Portal Partners Tri-Venture</u>	DataFile: <u>BP025581.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB169362BS	Hexachlorobenzene	50	42.0	ug/L	84				70 (73)	130 (106)	
	Atrazine	50	41.7	ug/L	83				70 (76)	130 (120)	
	Pentachlorophenol	100	86.9	ug/L	87				20 (47)	160 (114)	
	Phenanthrene	50	40.9	ug/L	82				70 (62)	130 (109)	
	Anthracene	50	41.4	ug/L	83				70 (65)	130 (110)	
	Carbazole	50	40.8	ug/L	82				70 (62)	130 (106)	
	Di-n-butylphthalate	50	41.6	ug/L	83				70 (64)	130 (106)	
	Fluoranthene	50	40.0	ug/L	80				70 (64)	130 (110)	
	Pyrene	50	43.4	ug/L	87				70 (71)	130 (103)	
	Butylbenzylphthalate	50	44.3	ug/L	89				70 (61)	130 (105)	
	3,3-Dichlorobenzidine	50	31.9	ug/L	64		*		70 (43)	130 (108)	
	Benzo(a)anthracene	50	42.2	ug/L	84				70 (62)	130 (107)	
	Chrysene	50	41.7	ug/L	83				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	42.7	ug/L	85				70 (59)	130 (110)	
	Di-n-octyl phthalate	50	43.7	ug/L	87				70 (52)	130 (139)	
	Benzo(b)fluoranthene	50	41.7	ug/L	83				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	41.8	ug/L	84				70 (77)	130 (105)	
	Benzo(a)pyrene	50	41.6	ug/L	83				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	41.4	ug/L	83				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	41.8	ug/L	84				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	41.4	ug/L	83				70 (75)	130 (118)	
	1,2,4,5-Tetrachlorobenzene	50	42.0	ug/L	84				70 (72)	130 (101)	
	1,4-Dioxane	50	34.9	ug/L	70				20 (38)	160 (125)	
	2,3,4,6-Tetrachlorophenol	50	43.0	ug/L	86				70 (63)	130 (116)	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB169362BL

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2934

Lab File ID: BP025562.D

Lab Sample ID: PB169362BL

Instrument ID: BNA_P

Date Extracted: 08/22/2025

Matrix: (soil/water) Water

Date Analyzed: 08/25/2025

Level: (low/med) LOW

Time Analyzed: 12:54

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169362BS	PB169362BS	BP025581.D	08/26/2025
MW-201-082025MS	Q2924-03MS	BP025602.D	08/27/2025
MW-201-082025MSD	Q2924-04MSD	BP025603.D	08/27/2025
ENV-SW01	Q2934-01	BP025553.D	08/22/2025
ENV-SW02	Q2934-02	BP025554.D	08/22/2025
ENV-SW03	Q2934-03	BP025555.D	08/22/2025
ENV-SW04	Q2934-04	BP025556.D	08/22/2025

COMMENTS: _____



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: Alliance
Lab Code: ACE
Lab File ID: BP025390.D
Instrument ID: BNA_P

Contract: PORT06
SDG NO.: Q2934
DFTPP Injection Date: 08/14/2025
DFTPP Injection Time: 10:30

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
365	Greater than 1% of mass 198	4.4
441	Present, but less than mass 443	81.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP025392.D	08/14/2025	12:33
SSTDICC005	SSTDICC005	BP025393.D	08/14/2025	13:15
SSTDICC010	SSTDICC010	BP025394.D	08/14/2025	13:56
SSTDICC020	SSTDICC020	BP025395.D	08/14/2025	14:38
SSTDICCC040	SSTDICCC040	BP025396.D	08/14/2025	15:19
SSTDICC050	SSTDICC050	BP025397.D	08/14/2025	16:01
SSTDICC060	SSTDICC060	BP025398.D	08/14/2025	16:42
SSTDICC080	SSTDICC080	BP025399.D	08/14/2025	17:24



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: AllianceContract: PORT06Lab Code: ACESDG NO.: Q2934Lab File ID: BP025543.DDFTPP Injection Date: 08/22/2025Instrument ID: BNA_PDFTPP Injection Time: 10:08

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	78.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.7 (19.7) 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	BP025544.D	08/22/2025	10:49
ENV-SW01	Q2934-01	BP025553.D	08/22/2025	17:39
ENV-SW02	Q2934-02	BP025554.D	08/22/2025	18:20
ENV-SW03	Q2934-03	BP025555.D	08/22/2025	19:02
ENV-SW04	Q2934-04	BP025556.D	08/22/2025	19:43



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BP025560.D
Instrument ID: BNA_P

Contract: PORT06
SDG NO.: Q2934
DFTPP Injection Date: 08/25/2025
DFTPP Injection Time: 10:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.3) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	80.8
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	BP025561.D	08/25/2025	12:13
PB169362BL	PB169362BL	BP025562.D	08/25/2025	12:54



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: AllianceContract: PORT06Lab Code: ACESDG NO.: Q2934Lab File ID: BP025578.DDFTPP Injection Date: 08/26/2025Instrument ID: BNA_PDFTPP Injection Time: 08:59

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	78.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP025579.D	08/26/2025	10:21
PB169362BS	PB169362BS	BP025581.D	08/26/2025	11:44



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: AllianceContract: PORT06Lab Code: ACESDG NO.: Q2934Lab File ID: BP025595.DDFTPP Injection Date: 08/27/2025Instrument ID: BNA_PDFTPP Injection Time: 08:58

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	79.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP025596.D	08/27/2025	09:39
MW-201-082025MS	Q2924-03MS	BP025602.D	08/27/2025	14:18
MW-201-082025MSD	Q2924-04MSD	BP025603.D	08/27/2025	15:00

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2934

Client ID : SSTDCCC040

Date Analyzed: 08/22/2025

Lab File ID: BP025544.D

Time Analyzed: 10:49

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	137158	7.778	591885	10.55	400784	14.39
UPPER LIMIT	274316	8.278	1183770	11.048	801568	14.889
LOWER LIMIT	68579	7.278	295943	10.048	200392	13.889
EPA SAMPLE NO.						
01 ENV-SW01	164036	7.78	640301	10.54	399889	14.40
02 ENV-SW02	160345	7.78	629322	10.54	401606	14.38
03 ENV-SW03	170537	7.78	719655	10.54	487572	14.39
04 ENV-SW04	193608	7.78	812188	10.55	530149	14.39

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2934

Client ID: SSTDCCC040

Date Analyzed: 08/22/2025

Lab File ID: BP025544.D

Time Analyzed: 10:49

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	833863	17.189	897419	21.624	1034530	24.989
UPPER LIMIT	1667730	17.689	1794840	22.124	2069060	25.489
LOWER LIMIT	416932	16.689	448710	21.124	517265	24.489
EPA SAMPLE NO.						
01 ENV-SW01	848268	17.20	933136	21.63	1075180	25.00
02 ENV-SW02	846616	17.18	933681	21.62	1099740	24.98
03 ENV-SW03	1036600	17.19	1087230	21.63	1183120	24.99
04 ENV-SW04	1097910	17.19	1088350	21.62	1208910	24.98

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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2934

Client ID : SSTDCCC040

Date Analyzed: 08/25/2025

Lab File ID: BP025561.D

Time Analyzed: 12:13

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	176050	7.766	715069	10.54	441846	14.39
UPPER LIMIT	352100	8.266	1430140	11.037	883692	14.89
LOWER LIMIT	88025	7.266	357535	10.037	220923	13.89
EPA SAMPLE NO.						
01 PB169362BL	173347	7.78	665603	10.54	424932	14.39

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2934

Client ID: SSTDCCC040

Date Analyzed: 08/25/2025

Lab File ID: BP025561.D

Time Analyzed: 12:13

Instrument ID: BNA_P

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

01

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	900532	17.189	945335	21.63	1072630	25.001
UPPER LIMIT	1801060	17.689	1890670	22.13	2145260	25.501
LOWER LIMIT	450266	16.689	472668	21.13	536315	24.501
EPA SAMPLE NO.						
PB169362BL	890876	17.19	1139400	21.63	1287990	25.00

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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2934

Client ID : SSTDCCC040

Date Analyzed: 08/26/2025

Lab File ID: BP025579.D

Time Analyzed: 10:21

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	235051	7.778	932609	10.55	572065	14.39
UPPER LIMIT	470102	8.278	1865220	11.049	1144130	14.89
LOWER LIMIT	117526	7.278	466305	10.049	286033	13.89
EPA SAMPLE NO.						
01 PB169362BS	256194	7.78	1004580	10.55	636349	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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2934

Client ID: SSTDCCC040

Date Analyzed: 08/26/2025

Lab File ID: BP025579.D

Time Analyzed: 10:21

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	1130980	17.195	1110360	21.636	1292920	24.995
UPPER LIMIT	2261960	17.695	2220720	22.136	2585840	25.495
LOWER LIMIT	565490	16.695	555180	21.136	646460	24.495
EPA SAMPLE NO.						
01 PB169362BS	1239650	17.20	1177570	21.63	1318340	24.99

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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2934

Client ID : SSTDCCC040

Date Analyzed: 08/27/2025

Lab File ID: BP025596.D

Time Analyzed: 09:39

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	161611	7.778	681785	10.54	463868	14.40
UPPER LIMIT	323222	8.278	1363570	11.043	927736	14.896
LOWER LIMIT	80805.5	7.278	340893	10.043	231934	13.896
EPA SAMPLE NO.						
01 MW-201-082025MS	177033	7.78	389081	10.57	432672	14.39
02 MW-201-082025MSD	165573	7.78	358938	10.57	417829	14.40

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2934

Client ID: SSTDCCC040

Date Analyzed: 08/27/2025

Lab File ID: BP025596.D

Time Analyzed: 09:39

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	978179	17.207	1036720	21.642	1177640	25.001
UPPER LIMIT	1956360	17.707	2073440	22.142	2355280	25.501
LOWER LIMIT	489090	16.707	518360	21.142	588820	24.501
EPA SAMPLE NO.						
01 MW-201-082025MS	850262	17.19	903685	21.64	1056320	25.00
02 MW-201-082025MSD	814298	17.20	887974	21.64	1057490	25.01

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW01	SDG No.:	Q2934
Lab Sample ID:	Q2934-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025553.D	1	08/22/25 10:34	08/22/25 17:39	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.0	ug/L
108-95-2	Phenol	0.91	U	0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.81	U	0.81	5.00	ug/L
95-57-8	2-Chlorophenol	0.58	U	0.58	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.00	ug/L
98-86-2	Acetophenone	0.74	U	0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.50	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
78-59-1	Isophorone	0.75	U	0.75	5.00	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.52	U	0.52	5.00	ug/L
91-20-3	Naphthalene	0.50	U	0.50	5.00	ug/L
106-47-8	4-Chloroaniline	0.84	UQ	0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
105-60-2	Caprolactam	1.10	U	1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.59	U	0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	0.56	U	0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	3.60	U	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	0.53	U	0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.61	U	0.61	5.00	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.00	ug/L
131-11-3	Dimethylphthalate	0.61	U	0.61	5.00	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW01	SDG No.:	Q2934
Lab Sample ID:	Q2934-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025553.D	1	08/22/25 10:34	08/22/25 17:39	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.75	U	0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	0.92	U	0.92	5.00	ug/L
99-09-2	3-Nitroaniline	1.10	UQ	1.10	5.00	ug/L
83-32-9	Acenaphthene	0.55	U	0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.00	U	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.0	ug/L
132-64-9	Dibenzofuran	0.61	U	0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
84-66-2	Diethylphthalate	0.69	U	0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.68	U	0.68	5.00	ug/L
86-73-7	Fluorene	0.63	U	0.63	5.00	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.58	U	0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.40	U	0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
85-01-8	Phenanthrene	0.50	U	0.50	5.00	ug/L
120-12-7	Anthracene	0.61	U	0.61	5.00	ug/L
86-74-8	Carbazole	0.72	U	0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.00	ug/L
206-44-0	Fluoranthene	0.82	U	0.82	5.00	ug/L
129-00-0	Pyrene	0.50	U	0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	1.90	U	1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	0.93	UQ	0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.45	U	0.45	5.00	ug/L
218-01-9	Chrysene	0.44	U	0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.10	J	1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.30	U	2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	5.00	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW01	SDG No.:	Q2934
Lab Sample ID:	Q2934-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025553.D	1	08/22/25 10:34	08/22/25 17:39	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	0.55	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.67	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	0.69	U	0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	0.52	5.00	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	84.9		15 (23) - 110 (138)	57%	SPK: 150
13127-88-3	Phenol-d6	65.0		15 (10) - 110 (134)	43%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.9		30 (67) - 130 (132)	94%	SPK: 100
321-60-8	2-Fluorobiphenyl	88.1		30 (52) - 130 (132)	88%	SPK: 100
118-79-6	2,4,6-Tribromophenol	154		15 (44) - 110 (137)	102%	SPK: 150
1718-51-0	Terphenyl-d14	80.8		30 (42) - 130 (152)	81%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	164000	7.778			
1146-65-2	Naphthalene-d8	640000	10.542			
15067-26-2	Acenaphthene-d10	400000	14.395			
1517-22-2	Phenanthrene-d10	848000	17.201			
1719-03-5	Chrysene-d12	933000	21.63			
1520-96-3	Perylene-d12	1080000	25			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown2.984	3.10	J		2.98	ug/L
000994-05-8	Butane, 2-methoxy-2-methyl-	82.9	J		3.03	ug/L
	unknown3.078	3.70	J		3.08	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.50	AB		4.94	ug/L
000119-61-9	Benzophenone	7.40	J		15.8	ug/L
000057-10-3	n-Hexadecanoic acid	12.3	J		18.1	ug/L
000057-11-4	Octadecanoic acid	2.40	J		19.5	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW01	SDG No.:	Q2934
Lab Sample ID:	Q2934-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025553.D	1	08/22/25 10:34	08/22/25 17:39	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
018835-33-1	1-Hexacosene	4.60	J		21.3	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
 Data File : BP025553.D
 Acq On : 22 Aug 2025 17:39
 Operator : CG/JU
 Sample : Q2934-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ENV-SW01

Quant Time: Aug 25 01:18:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

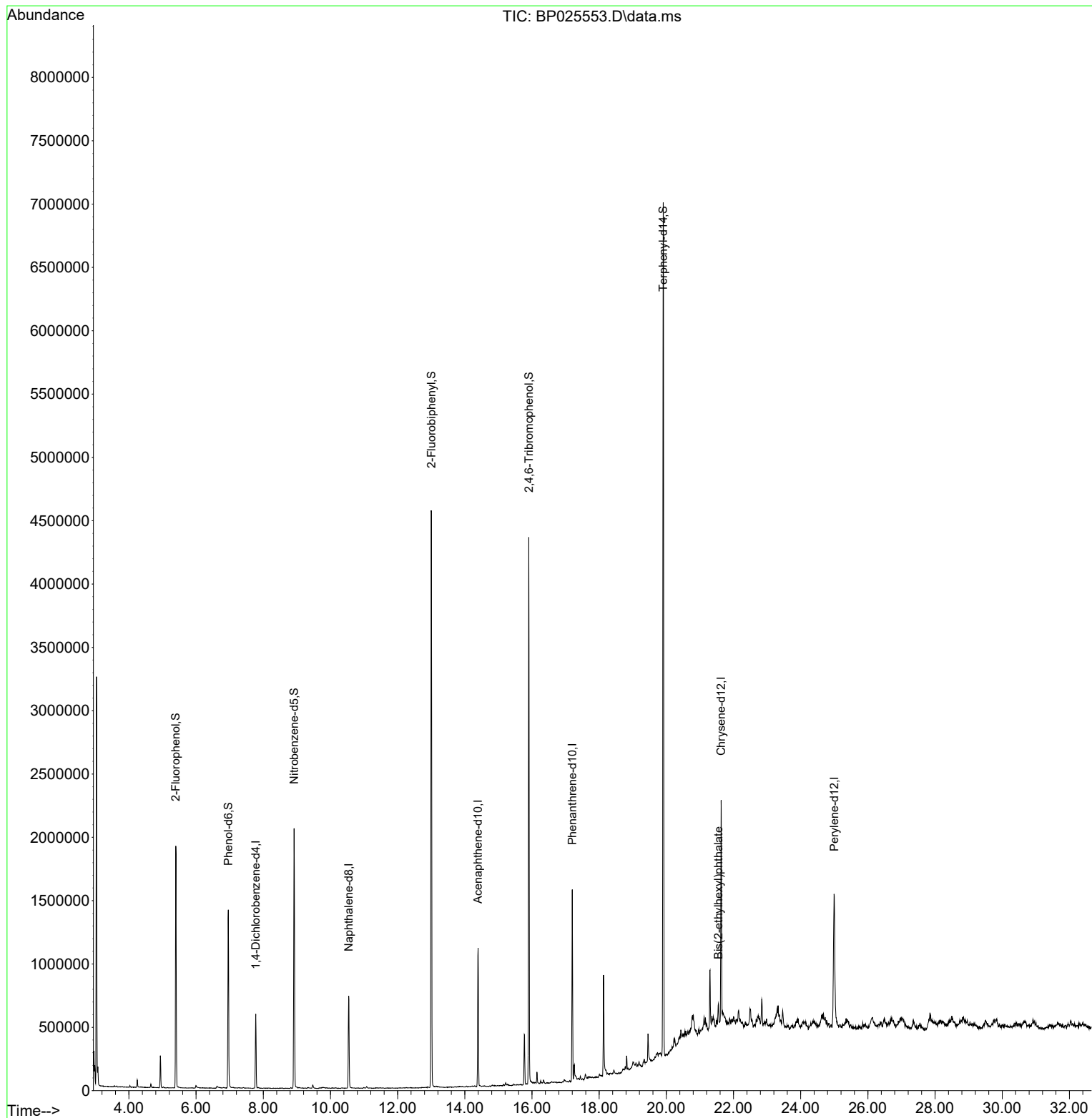
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	164036	20.000	ng	-0.02
21) Naphthalene-d8	10.542	136	640301	20.000	ng	-0.02
39) Acenaphthene-d10	14.395	164	399889	20.000	ng	-0.01
64) Phenanthrene-d10	17.201	188	848268	20.000	ng	0.00
76) Chrysene-d12	21.630	240	933136	20.000	ng	-0.02
86) Perylene-d12	25.000	264	1075182	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.396	112	838689	84.909	ng	-0.01
7) Phenol-d6	6.960	99	823417	65.021	ng	0.00
23) Nitrobenzene-d5	8.919	82	1188559	93.899	ng	-0.02
42) 2,4,6-Tribromophenol	15.907	330	826479	153.548	ng	0.00
45) 2-Fluorobiphenyl	13.007	172	2578138	88.112	ng	-0.01
79) Terphenyl-d14	19.907	244	4120848	80.796	ng	-0.01
Target Compounds						
84) Bis(2-ethylhexyl)phtha...	21.548	149	84965	2.100	ng	Qvalue # 98

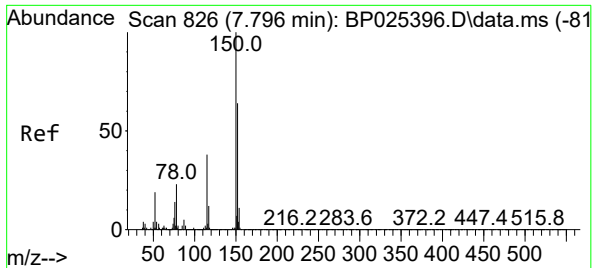
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025553.D
Acq On : 22 Aug 2025 17:39
Operator : CG/JU
Sample : Q2934-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

Quant Time: Aug 25 01:18:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

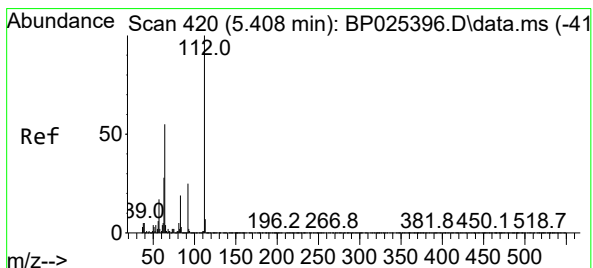
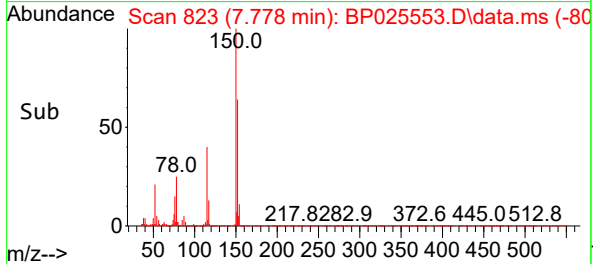
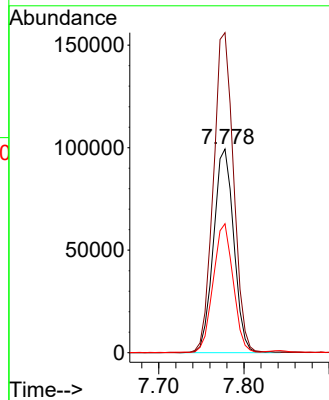
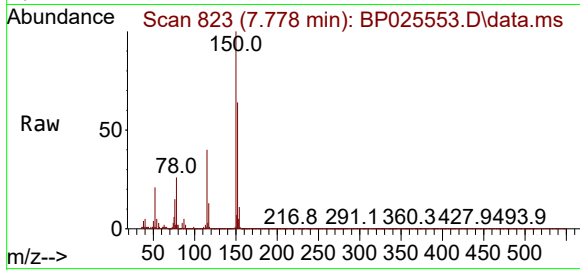




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.778 min Scan# 81
Delta R.T. -0.018 min
Lab File: BP025553.D
Acq: 22 Aug 2025 17:39

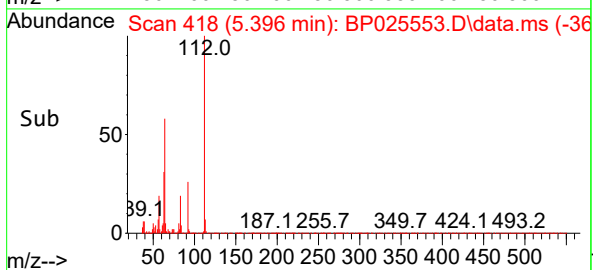
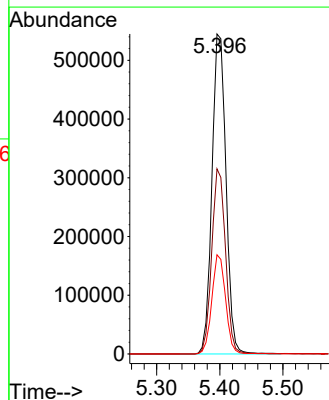
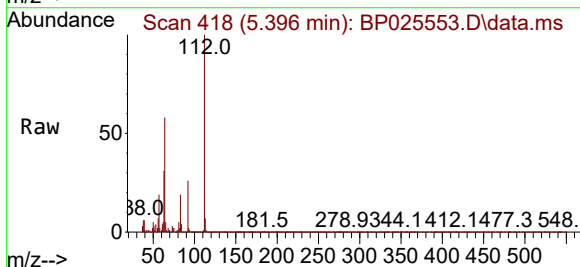
Instrument :
BNA_P
ClientSampleId :
ENV-SW01

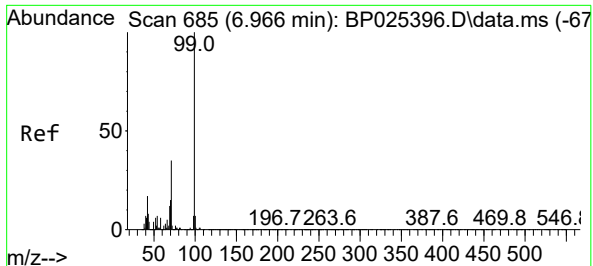
Tgt Ion:152 Resp: 164036
Ion Ratio Lower Upper
152 100
150 157.1 125.9 188.9
115 63.3 48.5 72.7



#5
2-Fluorophenol
Concen: 84.909 ng
RT: 5.396 min Scan# 418
Delta R.T. -0.012 min
Lab File: BP025553.D
Acq: 22 Aug 2025 17:39

Tgt Ion:112 Resp: 838689
Ion Ratio Lower Upper
112 100
64 57.9 43.8 65.8
63 31.0 22.7 34.1

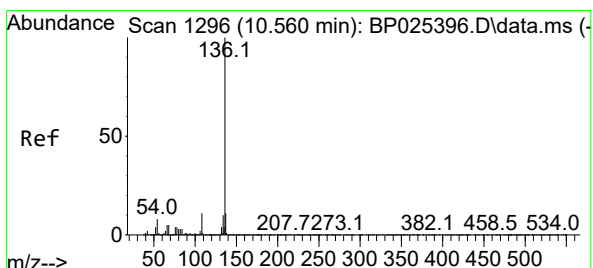
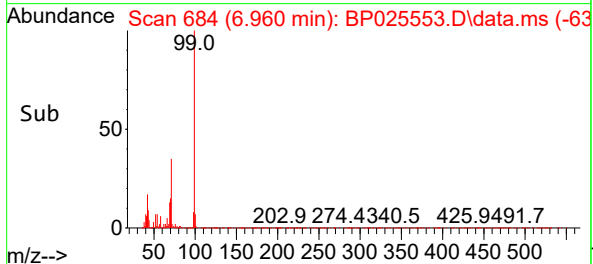
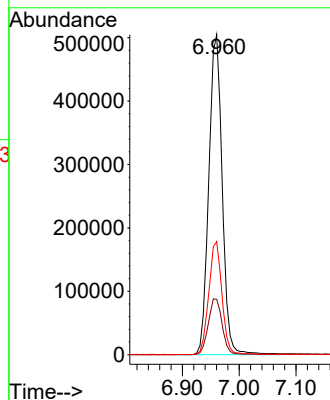
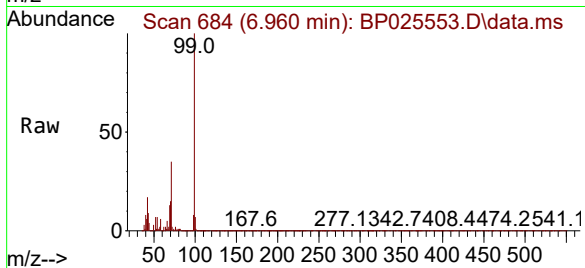




#7
Phenol-d6
Concen: 65.021 ng
RT: 6.960 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025553.D
Acq: 22 Aug 2025 17:39

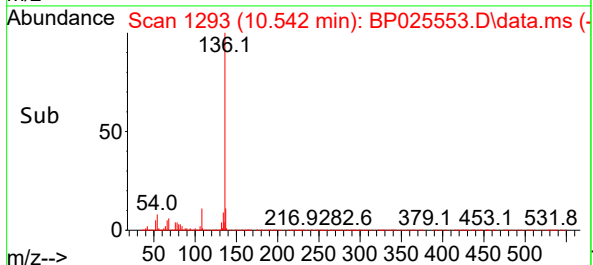
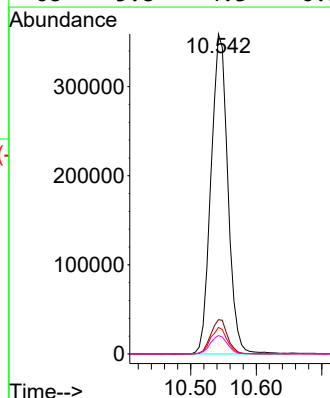
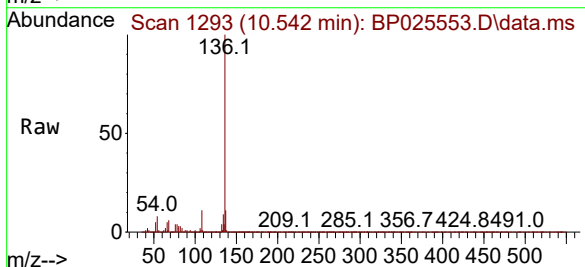
Instrument :
BNA_P
ClientSampleId :
ENV-SW01

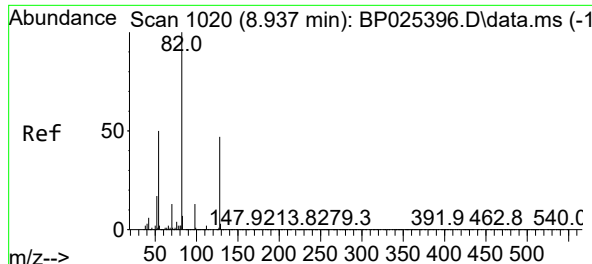
Tgt Ion: 99 Resp: 823417
Ion Ratio Lower Upper
99 100
42 17.3 13.7 20.5
71 35.4 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.542 min Scan# 1293
Delta R.T. -0.018 min
Lab File: BP025553.D
Acq: 22 Aug 2025 17:39

Tgt Ion: 136 Resp: 640301
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 8.3 6.0 9.0
68 5.8 4.3 6.5





#23

Nitrobenzene-d5

Concen: 93.899 ng

RT: 8.919 min Scan# 10

Delta R.T. -0.018 min

Lab File: BP025553.D

Acq: 22 Aug 2025 17:39

Instrument :

BNA_P

ClientSampleId :

ENV-SW01

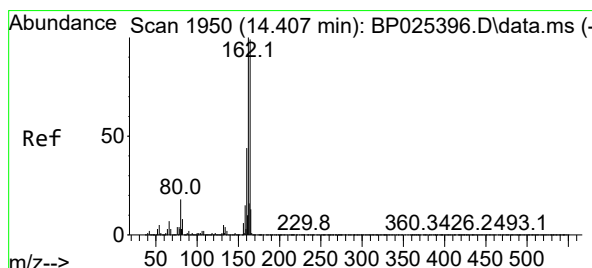
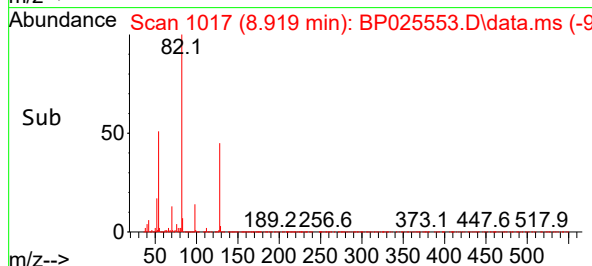
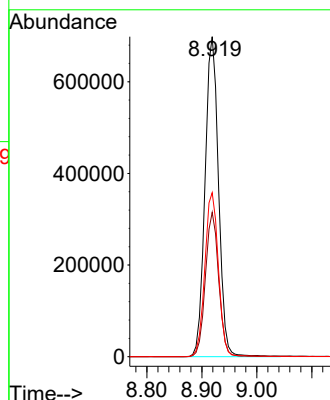
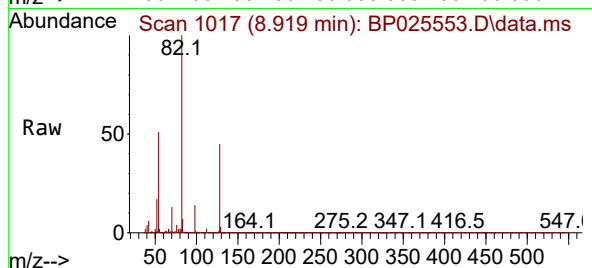
Tgt Ion: 82 Resp: 1188559

Ion Ratio Lower Upper

82 100

128 45.1 37.7 56.5

54 51.3 39.8 59.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.395 min Scan# 1948

Delta R.T. -0.012 min

Lab File: BP025553.D

Acq: 22 Aug 2025 17:39

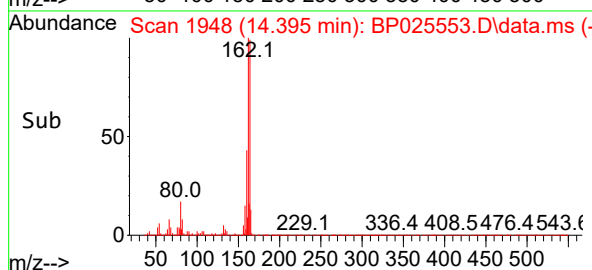
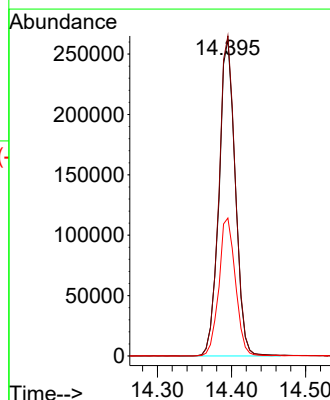
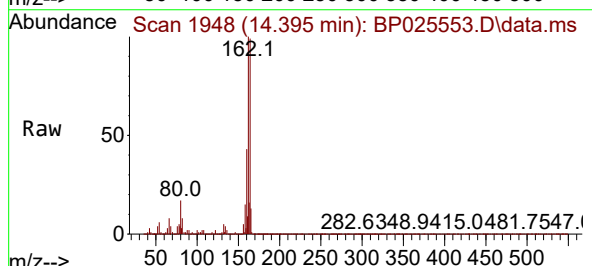
Tgt Ion:164 Resp: 399889

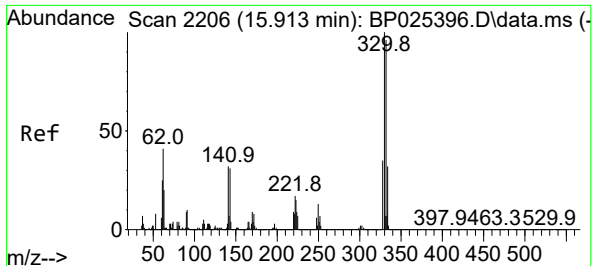
Ion Ratio Lower Upper

164 100

162 101.0 81.0 121.6

160 43.6 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 153.548 ng

RT: 15.907 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025553.D

Acq: 22 Aug 2025 17:39

Instrument :

BNA_P

ClientSampleId :

ENV-SW01

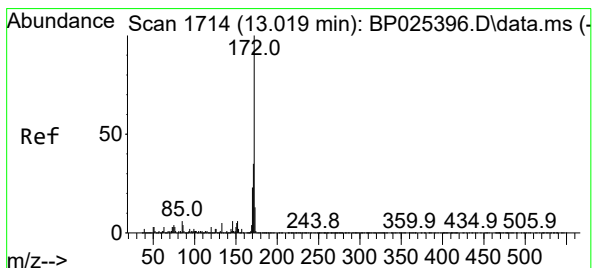
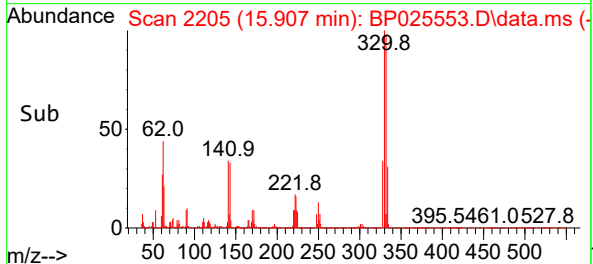
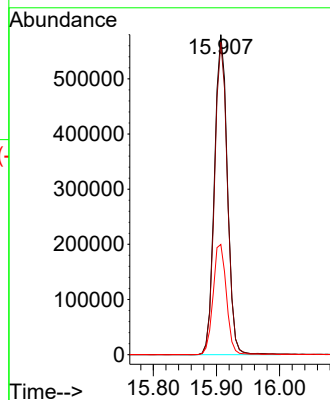
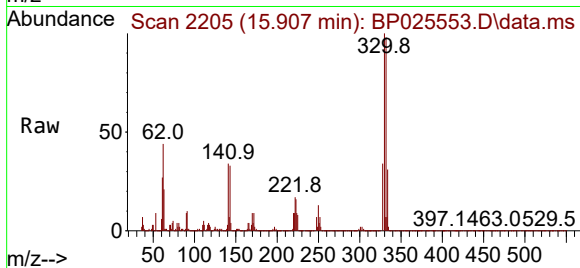
Tgt Ion:330 Resp: 826479

Ion Ratio Lower Upper

330 100

332 97.3 77.3 115.9

141 35.3 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 88.112 ng

RT: 13.007 min Scan# 1712

Delta R.T. -0.012 min

Lab File: BP025553.D

Acq: 22 Aug 2025 17:39

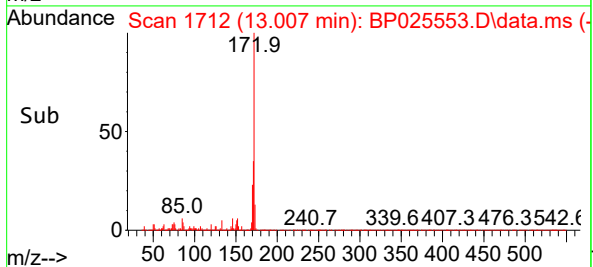
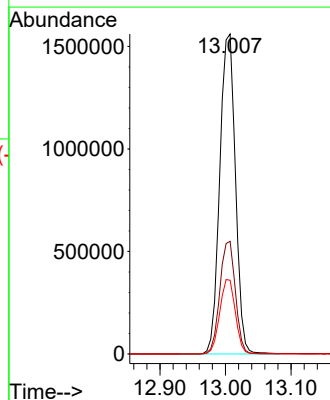
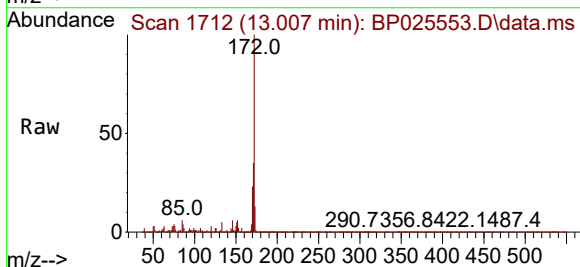
Tgt Ion:172 Resp: 2578138

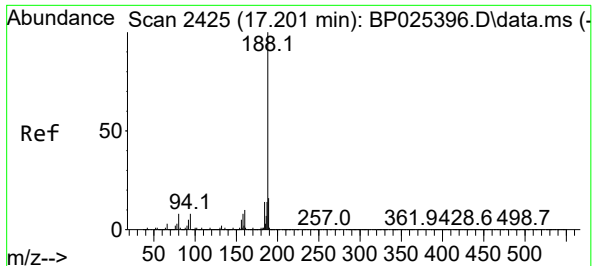
Ion Ratio Lower Upper

172 100

171 35.2 28.1 42.1

170 23.0 18.6 28.0

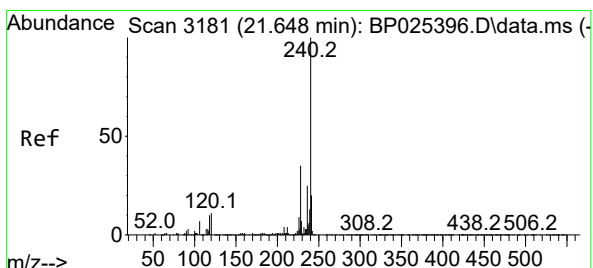
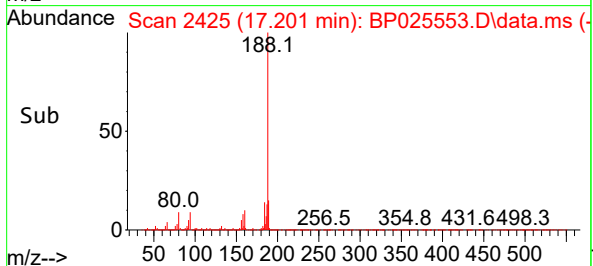
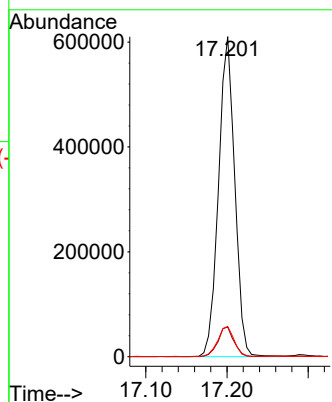
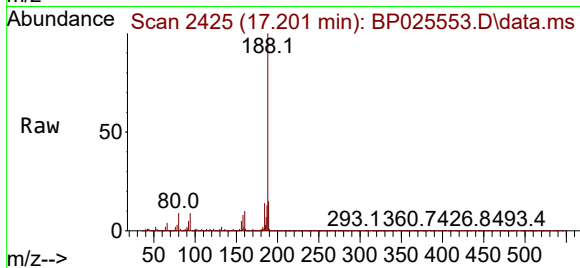




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. -0.000 min
Lab File: BP025553.D
Acq: 22 Aug 2025 17:39

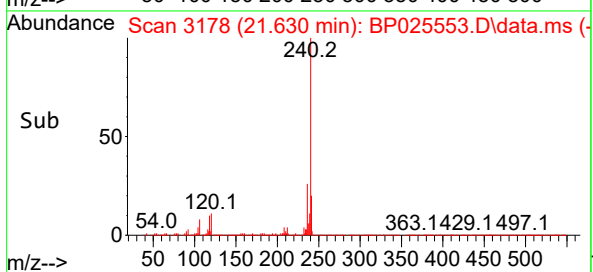
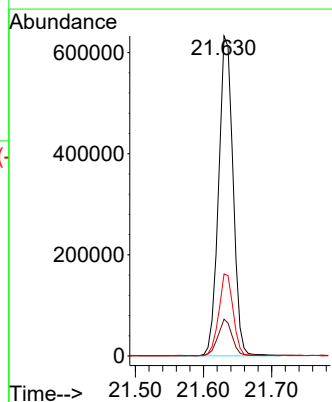
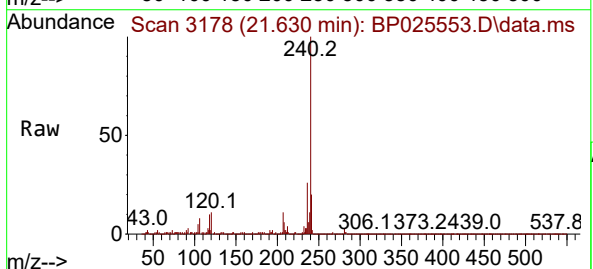
Instrument :
BNA_P
ClientSampleId :
ENV-SW01

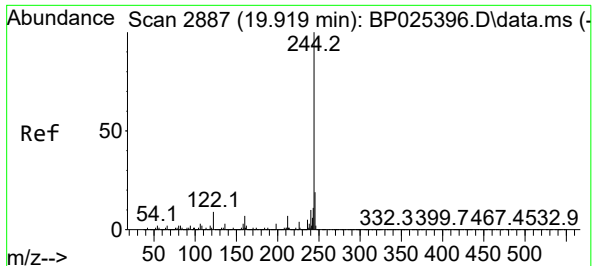
Tgt Ion:188 Resp: 848268
Ion Ratio Lower Upper
188 100
94 9.2 6.6 10.0
80 9.4 6.7 10.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.018 min
Lab File: BP025553.D
Acq: 22 Aug 2025 17:39

Tgt Ion:240 Resp: 933136
Ion Ratio Lower Upper
240 100
120 11.5 8.9 13.3
236 25.6 19.8 29.8

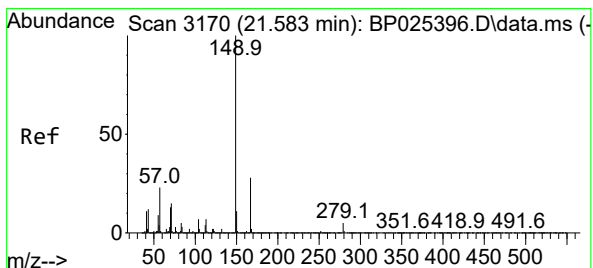
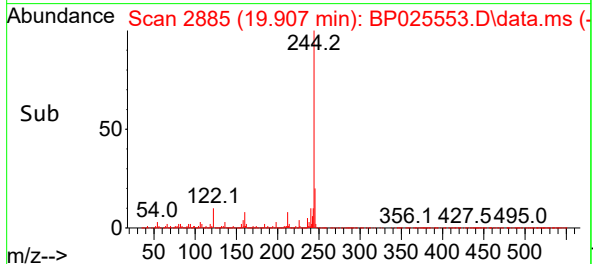
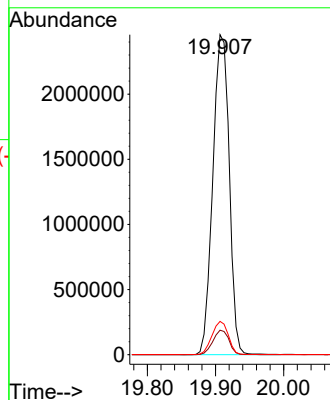
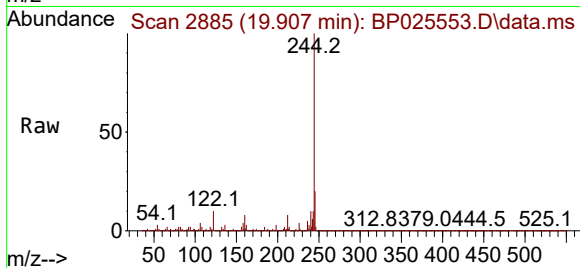




#79
 Terphenyl-d14
 Concen: 80.796 ng
 RT: 19.907 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BP025553.D
 Acq: 22 Aug 2025 17:39

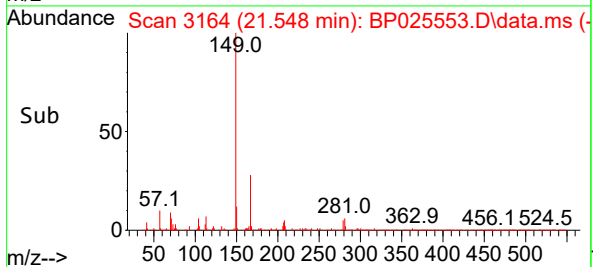
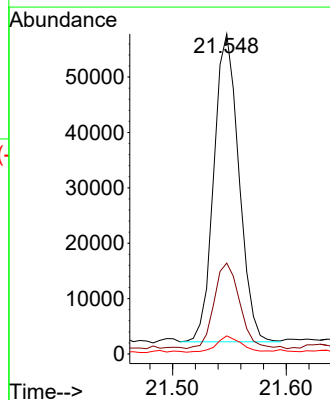
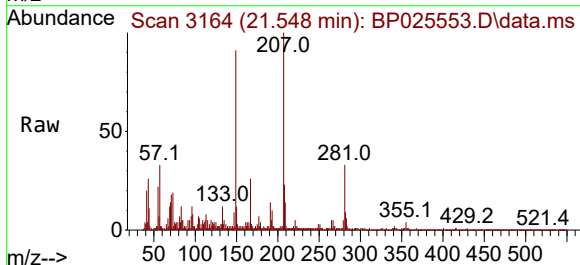
Instrument :
 BNA_P
 ClientSampleId :
 ENV-SW01

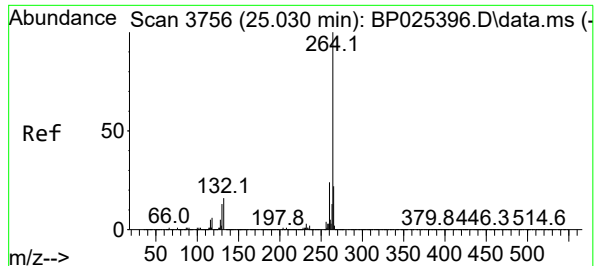
Tgt Ion:244 Resp: 4120848
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.8 8.6
 122 10.4 7.4 11.2



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.100 ng
 RT: 21.548 min Scan# 3164
 Delta R.T. -0.036 min
 Lab File: BP025553.D
 Acq: 22 Aug 2025 17:39

Tgt Ion:149 Resp: 84965
 Ion Ratio Lower Upper
 149 100
 167 28.4 22.1 33.1
 279 5.7 3.8 5.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.000 min Scan# 31

Delta R.T. -0.030 min

Lab File: BP025553.D

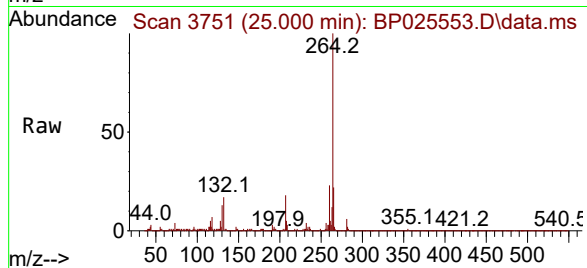
Acq: 22 Aug 2025 17:39

Instrument :

BNA_P

ClientSampleId :

ENV-SW01



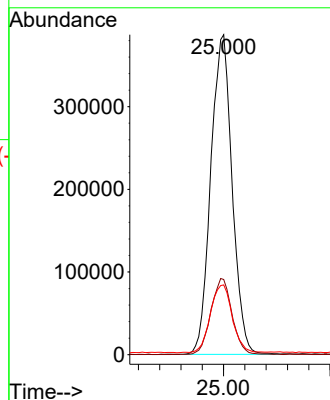
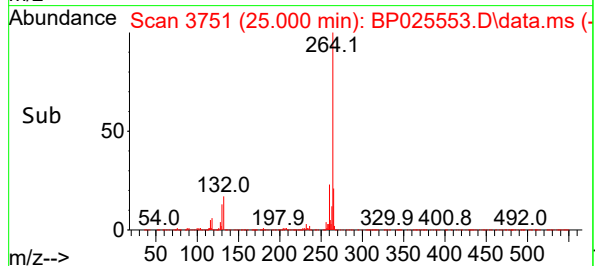
Tgt Ion:264 Resp: 1075182

Ion Ratio Lower Upper

264 100

260 23.5 19.3 28.9

265 21.8 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
 Data File : BP025553.D
 Acq On : 22 Aug 2025 17:39
 Operator : CG/JU
 Sample : Q2934-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ENV-SW01

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025553.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.984	6	8	12	rVB2	141802	148438	1.32%	0.278%
2	3.031	12	16	22	rVV	3216525	4005225	35.68%	7.494%
3	3.078	22	24	35	rVB	150948	176585	1.57%	0.330%
4	4.937	335	340	349	rVB	252618	360971	3.22%	0.675%
5	5.396	409	418	430	rBV	1910734	2914590	25.96%	5.454%
6	6.960	675	684	699	rBV	1407531	2354180	20.97%	4.405%
7	7.778	813	823	830	rBV	585418	966667	8.61%	1.809%
8	8.919	1009	1017	1029	rBV	2050887	3495102	31.13%	6.540%
9	10.542	1285	1293	1302	rBV	728722	1296566	11.55%	2.426%
10	13.001	1703	1711	1723	rBV	4557046	7565230	67.39%	14.156%
11	14.395	1941	1948	1955	rBV	1095571	1700826	15.15%	3.183%
12	15.771	2176	2182	2190	rBV	395577	628661	5.60%	1.176%
13	15.907	2198	2205	2215	rBV	4317802	6358137	56.64%	11.897%
14	16.148	2242	2246	2256	rVB	91308	127147	1.13%	0.238%
15	17.201	2419	2425	2430	rBV	1513735	2118400	18.87%	3.964%
16	17.260	2430	2435	2440	rBV3	110890	187265	1.67%	0.350%
17	18.130	2578	2583	2593	rBV	797685	1298616	11.57%	2.430%
18	18.818	2697	2700	2704	rVB	105563	120425	1.07%	0.225%
19	19.454	2805	2808	2819	rBV2	208193	323613	2.88%	0.606%
20	19.907	2879	2885	2894	rVB	6735600	11226276	100.00%	21.006%
21	21.301	3118	3122	3127	rBV	436304	613722	5.47%	1.148%
22	21.630	3173	3178	3184	rBV	1747238	2655256	23.65%	4.968%
23	24.995	3743	3750	3763	rVB	1011194	2800364	24.94%	5.240%

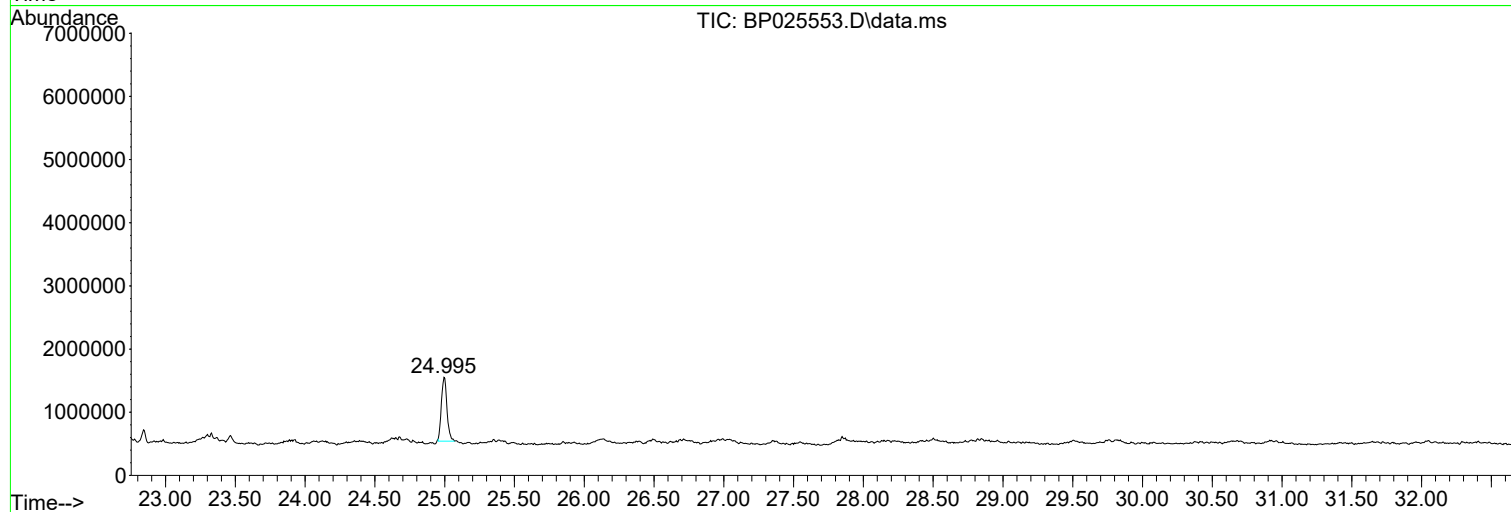
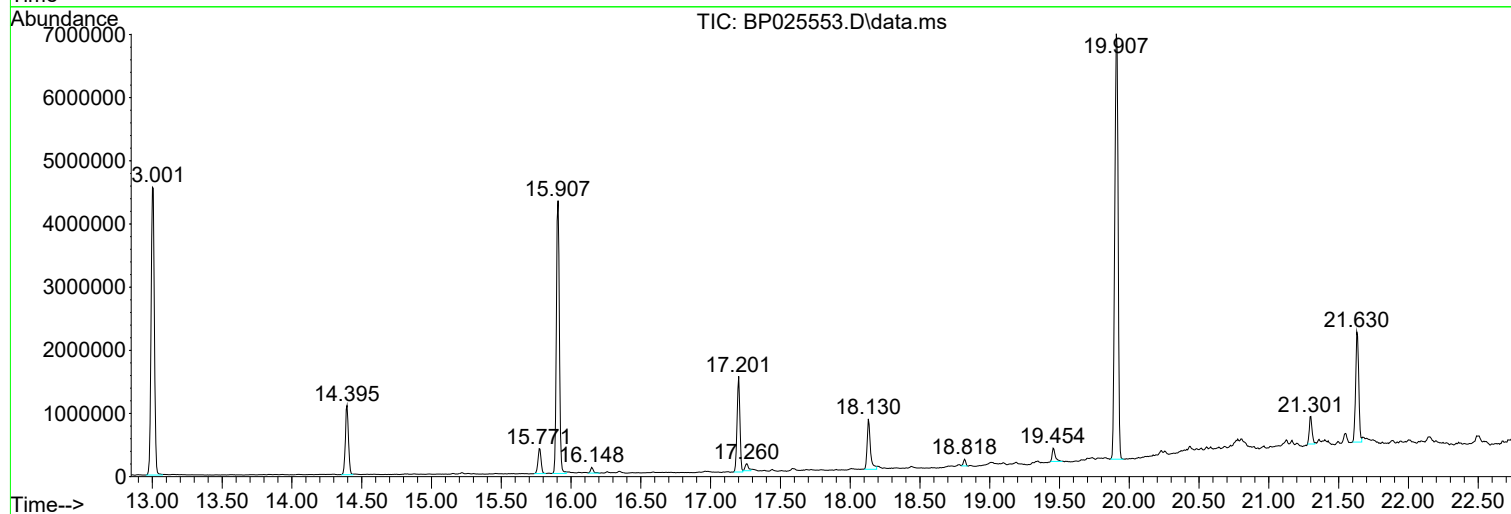
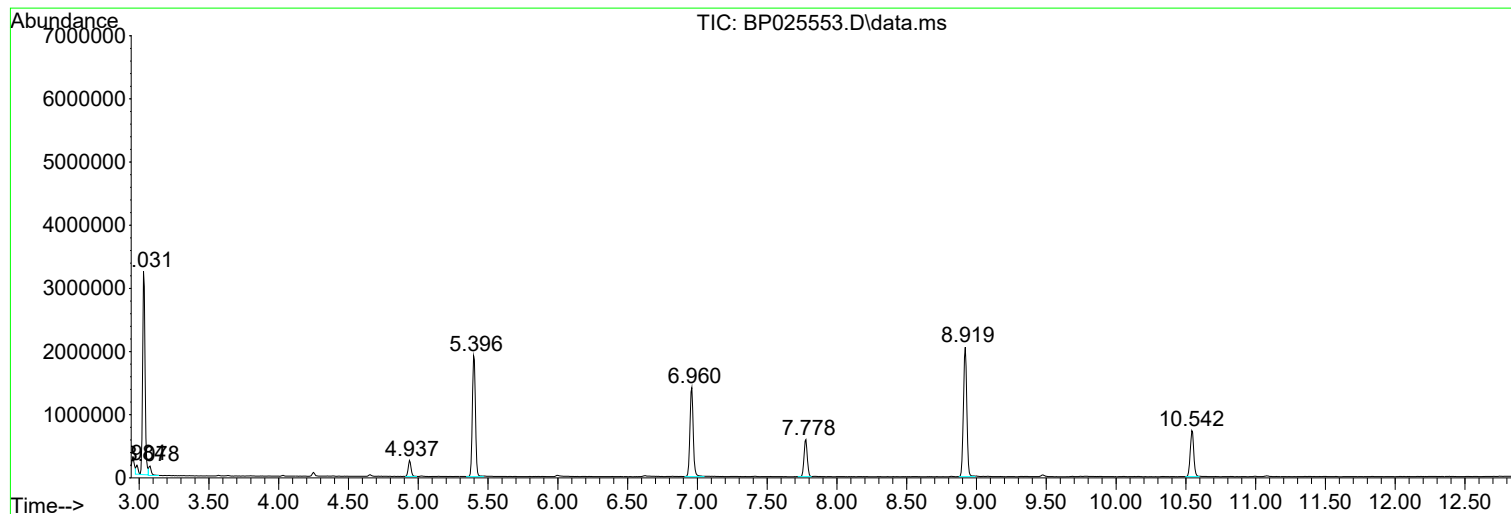
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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025553.D
Acq On : 22 Aug 2025 17:39
Operator : CG/JU
Sample : Q2934-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025553.D
Acq On : 22 Aug 2025 17:39
Operator : CG/JU
Sample : Q2934-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

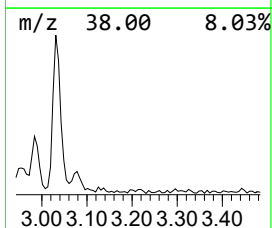
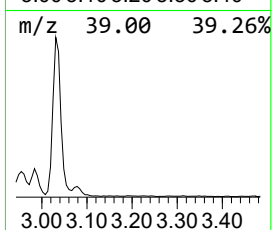
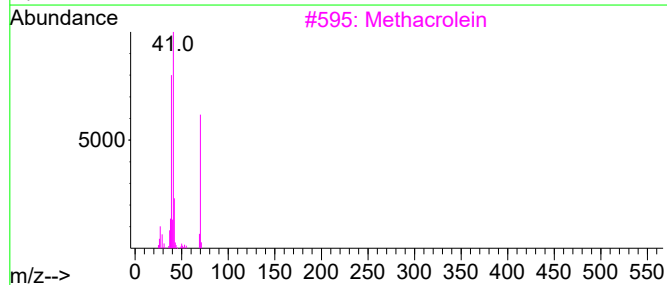
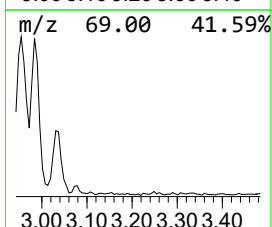
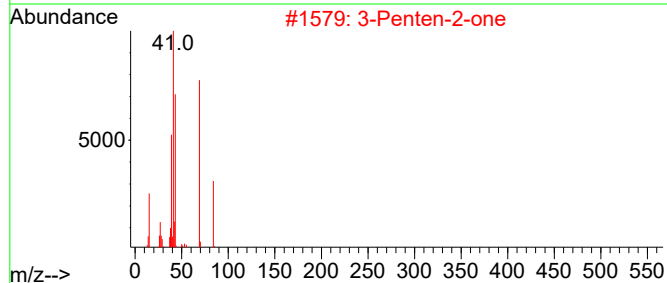
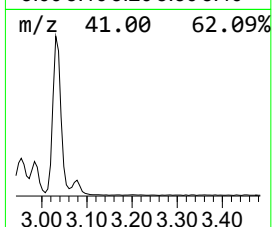
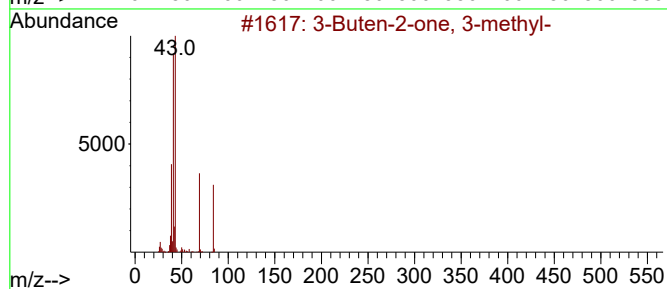
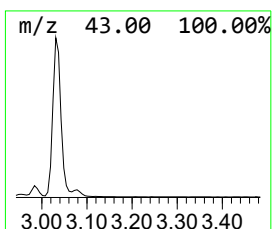
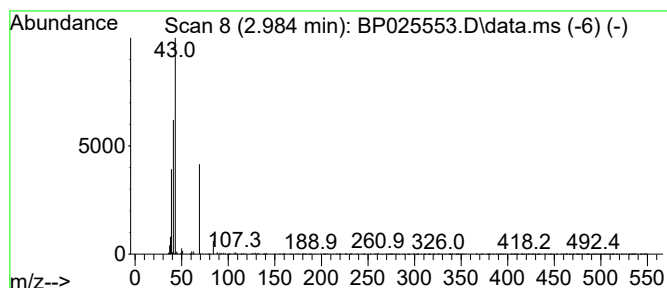
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown2.984 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.984	3.07 ng	148438	1,4-Dichlorobenzene-d4	7.778

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	38
2		3-Penten-2-one	84	C5H8O	000625-33-2	36
3		Methacrolein	70	C4H6O	000078-85-3	9
4		Cyclopropanecarboxylic acid, met...	100	C5H8O2	002868-37-3	9
5		Cyclopropanecarboxylic acid, 5-f...	225	C10H8FN04	1000278-66-5	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025553.D
Acq On : 22 Aug 2025 17:39
Operator : CG/JU
Sample : Q2934-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

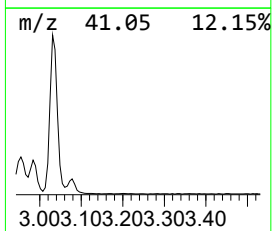
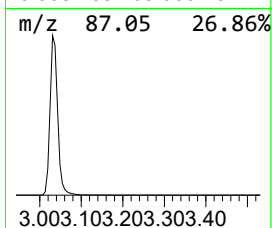
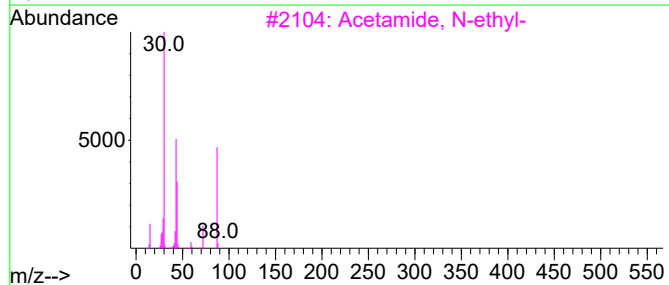
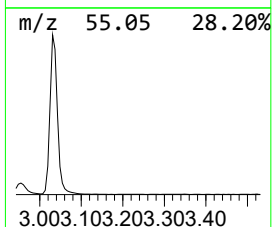
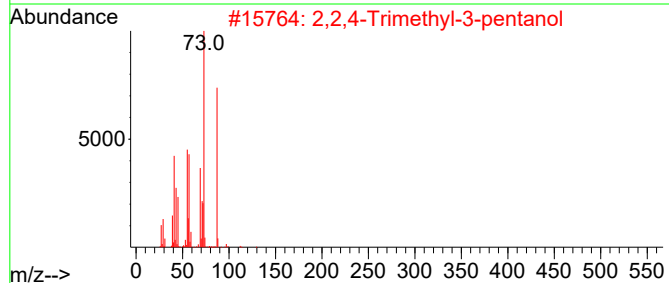
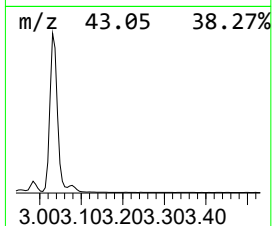
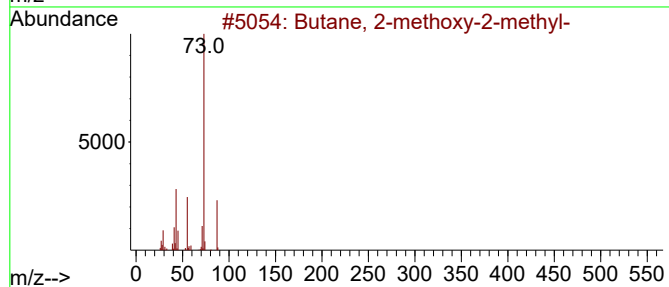
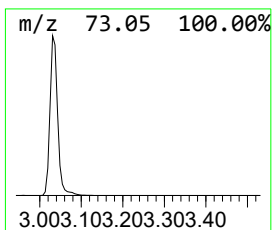
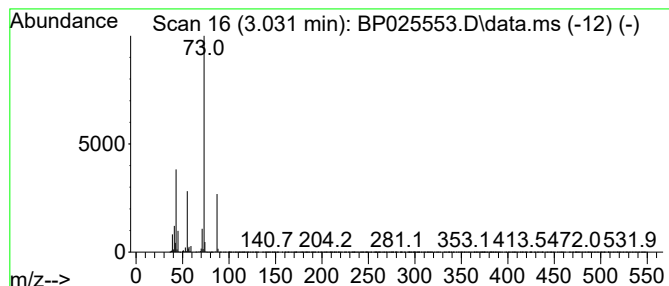
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.031	82.87 ng	4005230	1,4-Dichlorobenzene-d4	7.778

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
4			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17
5			1,3-Dioxolane, 2-propyl-	116	C6H12O2	003390-13-4	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025553.D
Acq On : 22 Aug 2025 17:39
Operator : CG/JU
Sample : Q2934-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

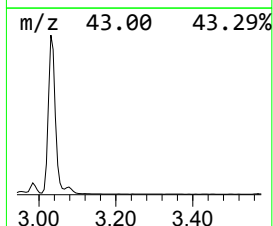
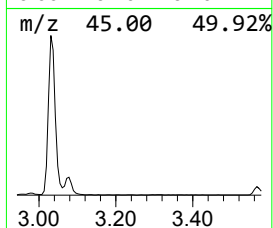
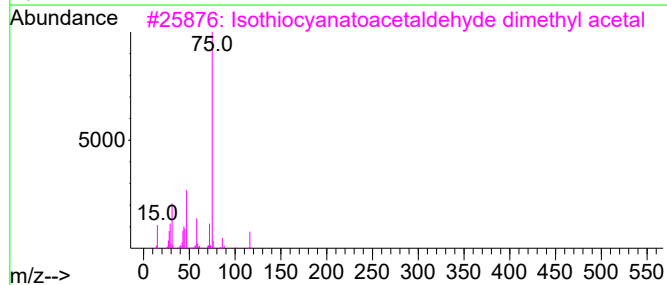
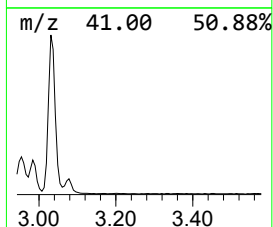
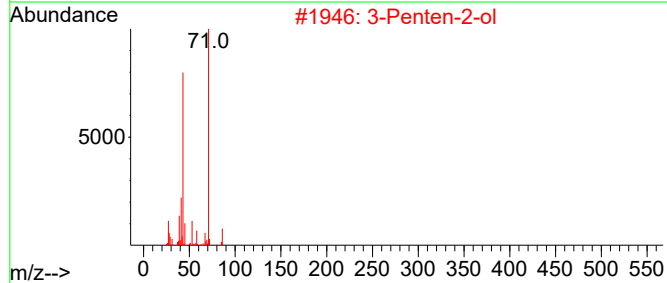
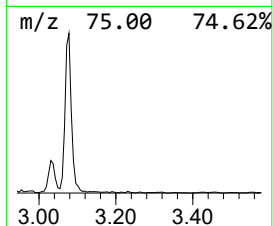
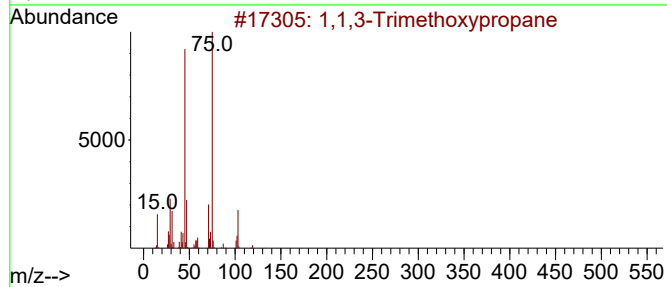
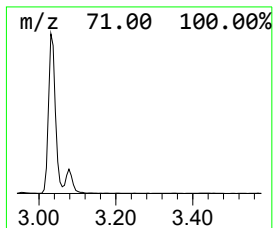
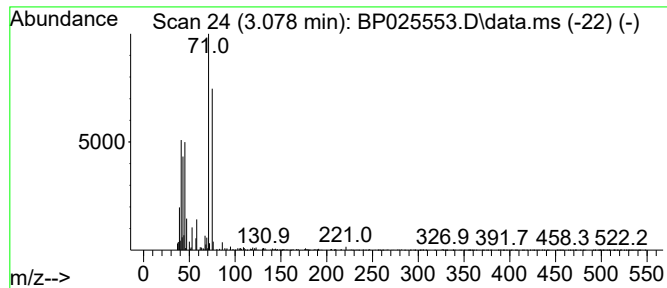
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown3.078 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.078	3.65 ng	176585	1,4-Dichlorobenzene-d4	7.778

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1,3-Trimethoxypropane	134	C6H14O3	014315-97-0	28
2			3-Penten-2-ol	86	C5H10O	001569-50-2	27
3			Isothiocyanoacetaldehyde dimet...	147	C5H9NO2S	075052-04-9	25
4			3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	25
5			1,2,4-Butanetriol	106	C4H10O3	003068-00-6	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025553.D
Acq On : 22 Aug 2025 17:39
Operator : CG/JU
Sample : Q2934-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

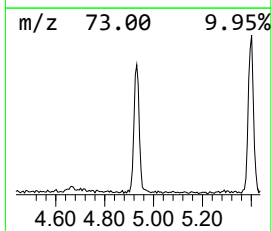
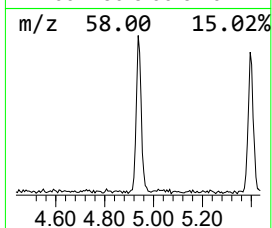
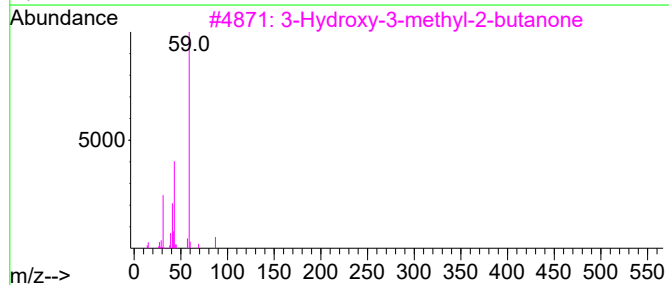
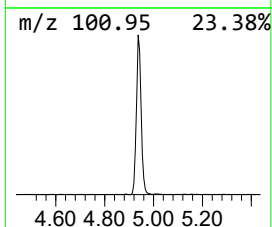
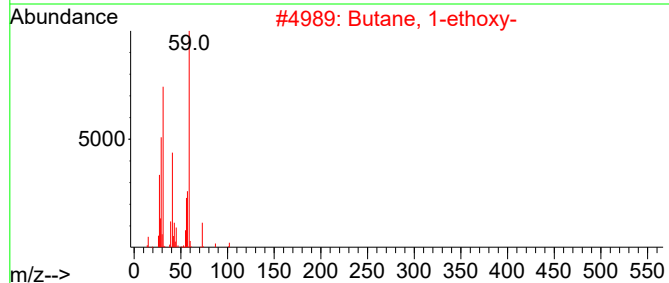
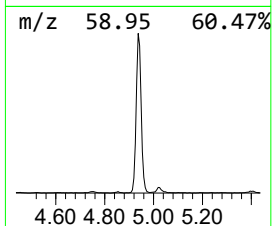
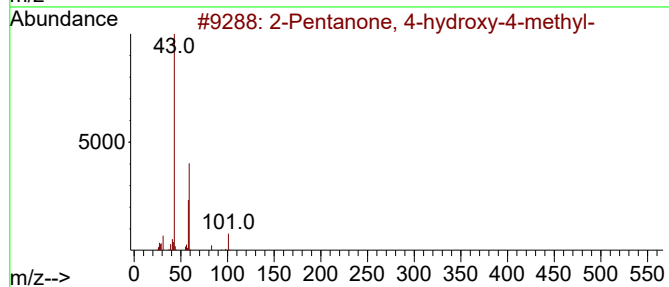
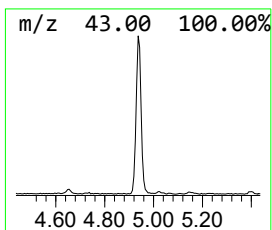
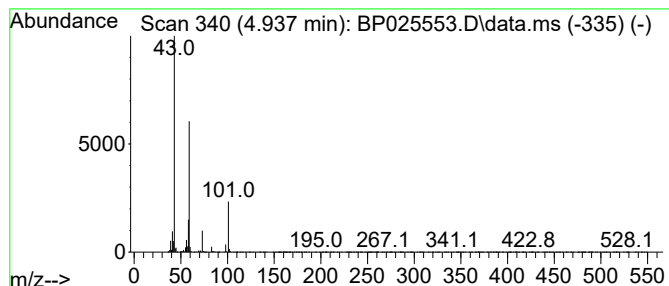
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.937	7.47 ng	360971	1,4-Dichlorobenzene-d4	7.778

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2			Butane, 1-ethoxy-	102	C6H14O	000628-81-9	23
3			3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	16
4			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	12
5			4-Methoxy-1-pentene	100	C6H12O	098386-09-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025553.D
Acq On : 22 Aug 2025 17:39
Operator : CG/JU
Sample : Q2934-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

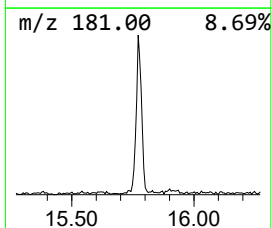
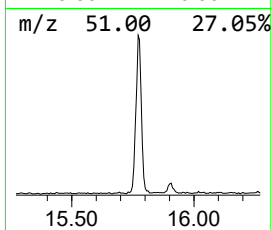
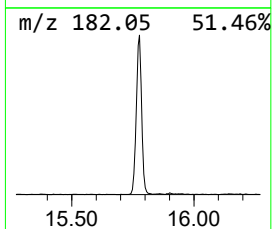
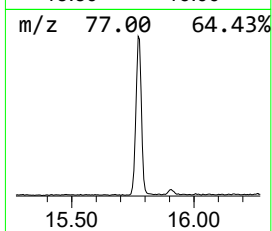
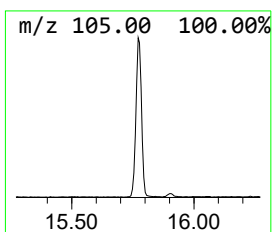
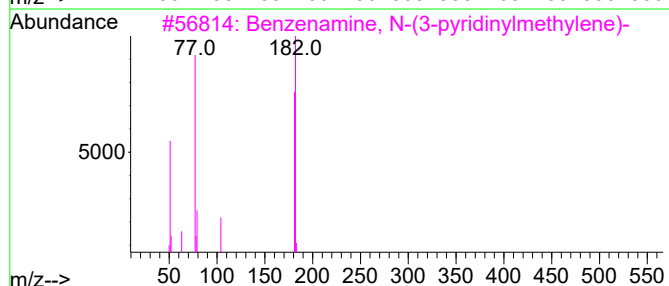
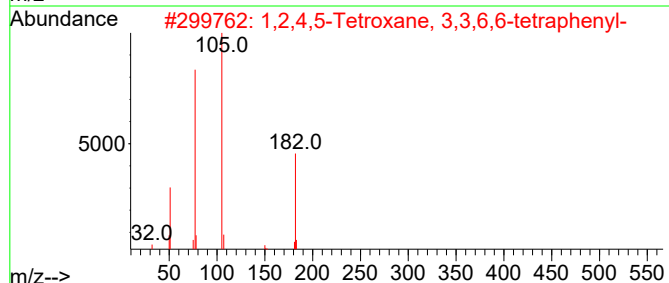
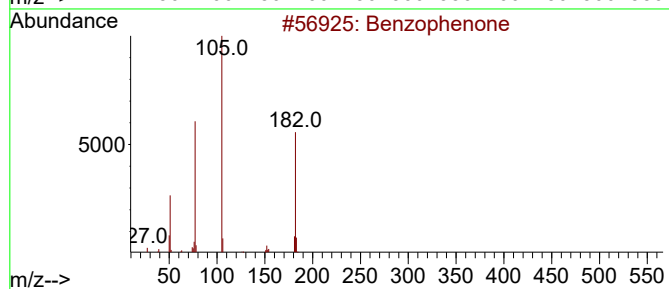
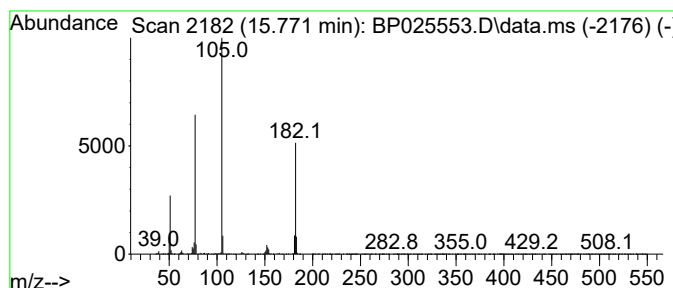
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.772	7.39 ng	628661	Acenaphthene-d10	14.395

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3			Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	59
4			Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	56
5			Azobenzene	182	C12H10N2	000103-33-3	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025553.D
Acq On : 22 Aug 2025 17:39
Operator : CG/JU
Sample : Q2934-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

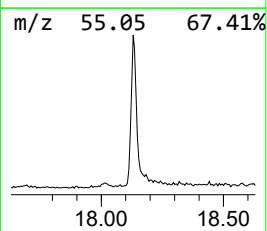
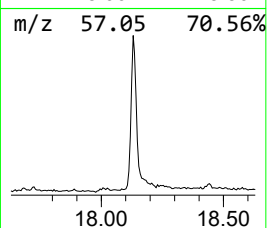
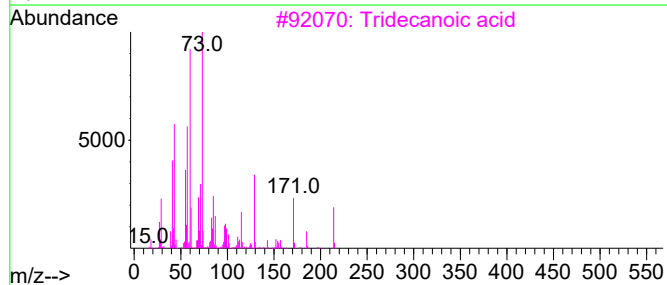
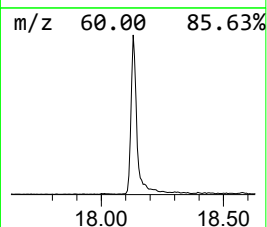
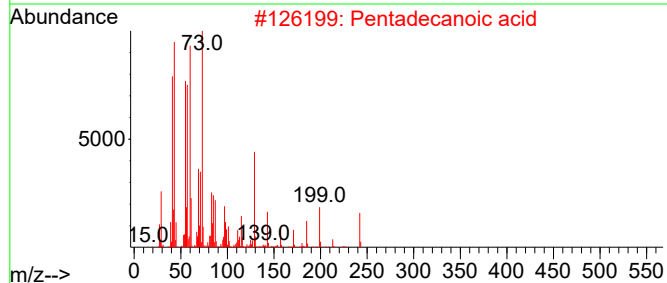
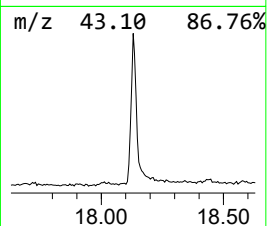
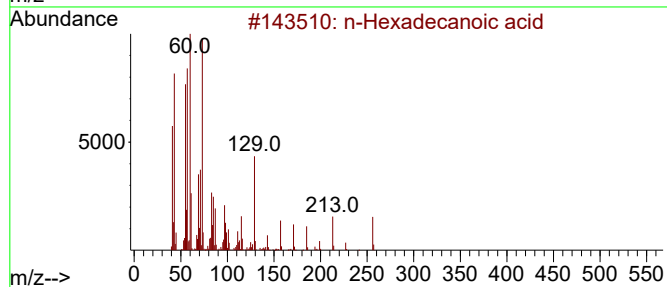
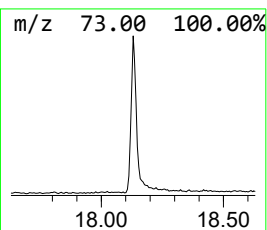
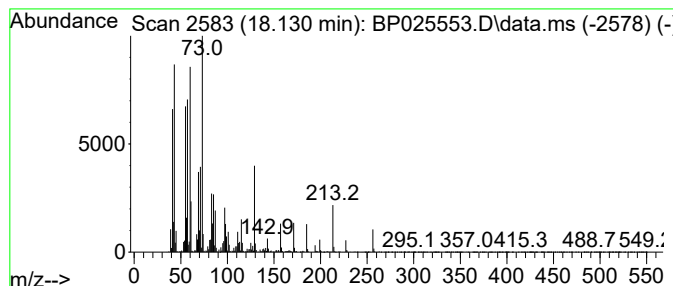
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.130	12.26 ng	1298620	Phenanthrene-d10	17.201

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3			Tridecanoic acid	214	C13H26O2	000638-53-9	87
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	81
5			n-Decanoic acid	172	C10H20O2	000334-48-5	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025553.D
Acq On : 22 Aug 2025 17:39
Operator : CG/JU
Sample : Q2934-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

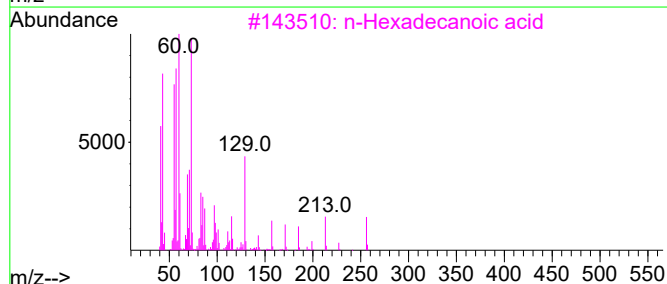
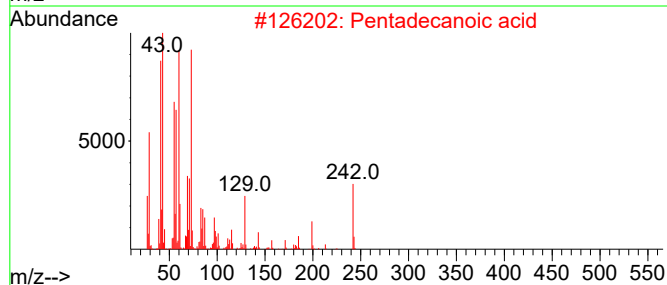
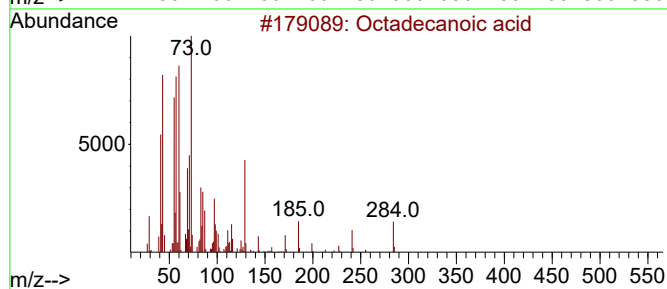
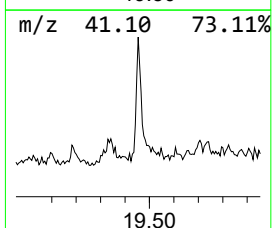
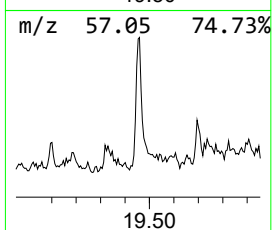
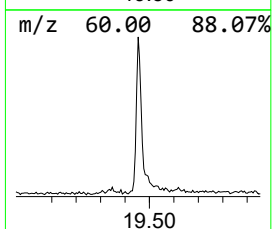
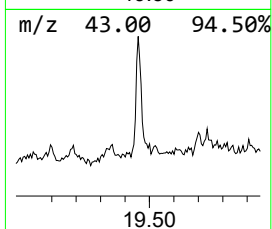
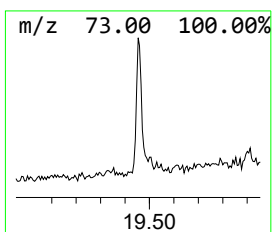
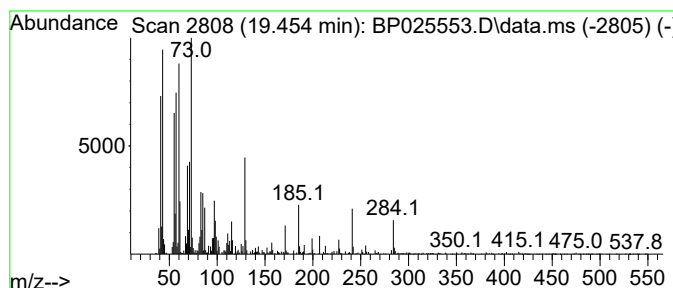
Instrument :
BNA_P
ClientSampleId :
ENV-SW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.	
19.454	2.44 ng	323613	Chrysene-d12		21.630	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octadecanoic acid		284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid		242	C15H30O2	001002-84-2	91
3	n-Hexadecanoic acid		256	C16H32O2	000057-10-3	87
4	Tetradecanoic acid		228	C14H28O2	000544-63-8	83
5	n-Decanoic acid		172	C10H20O2	000334-48-5	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025553.D
Acq On : 22 Aug 2025 17:39
Operator : CG/JU
Sample : Q2934-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

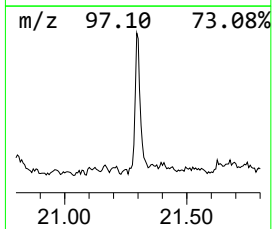
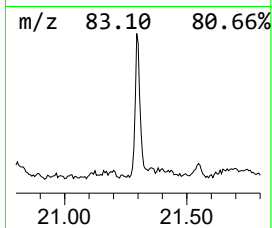
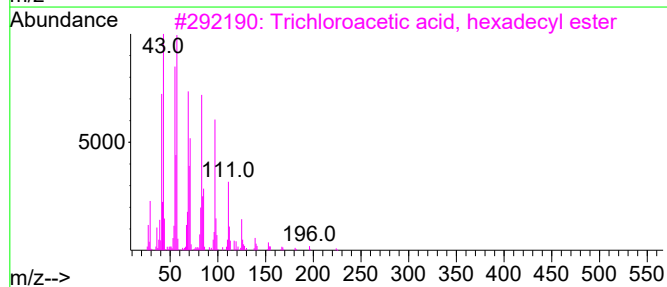
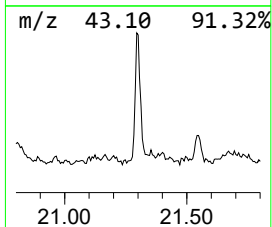
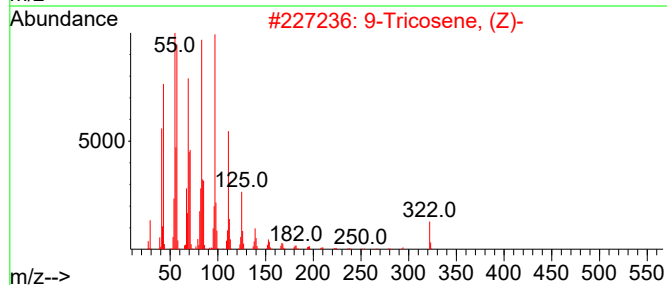
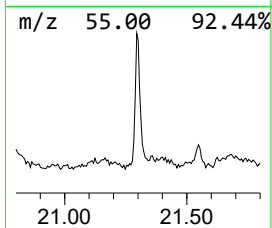
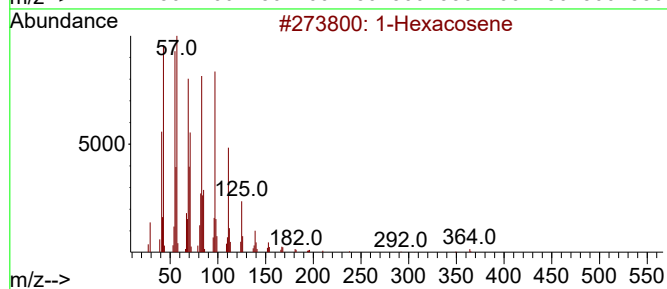
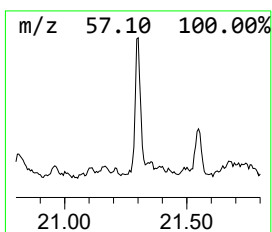
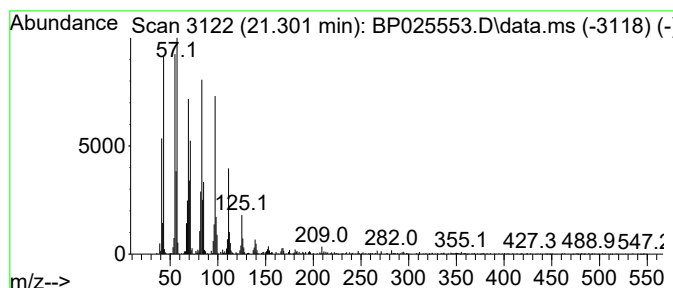
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1-Hexacosene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.301	4.62 ng	613722	Chrysene-d12	21.630

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexacosene			364	C26H52	018835-33-1	95
2	9-Tricosene, (Z)-			322	C23H46	027519-02-4	95
3	Trichloroacetic acid, hexadecyl ...			386	C18H33Cl3O2	074339-54-1	94
4	Pentafluoropropionic acid, octad...			416	C21H37F5O2	959261-25-7	94
5	Heptafluorobutyric acid, hexadec...			438	C20H33F7O2	006385-15-5	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025553.D
Acq On : 22 Aug 2025 17:39
Operator : CG/JU
Sample : Q2934-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown2.984	2.984	3.1	ng	148438	1	7.778	966667	20.0
Butane, 2-metho...	3.031	82.9	ng	4005230	1	7.778	966667	20.0
unknown3.078	3.078	3.6	ng	176585	1	7.778	966667	20.0
2-Pentanone, 4-...	4.937	7.5	ng	360971	1	7.778	966667	20.0
Benzophenone	15.772	7.4	ng	628661	3	14.395	1700830	20.0
n-Hexadecanoic ...	18.130	12.3	ng	1298620	4	17.201	2118400	20.0
Octadecanoic acid	19.454	2.4	ng	323613	5	21.630	2655260	20.0
1-Hexacosene	21.301	4.6	ng	613722	5	21.630	2655260	20.0

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW02	SDG No.:	Q2934
Lab Sample ID:	Q2934-02	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025554.D	1	08/22/25 10:34	08/22/25 18:20	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.1	ug/L
108-95-2	Phenol	0.92	U	0.92	5.10	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.82	U	0.82	5.10	ug/L
95-57-8	2-Chlorophenol	0.59	U	0.59	5.10	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.10	ug/L
98-86-2	Acetophenone	0.75	U	0.75	5.10	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.1	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.50	ug/L
67-72-1	Hexachloroethane	0.66	U	0.66	5.10	ug/L
98-95-3	Nitrobenzene	0.77	U	0.77	5.10	ug/L
78-59-1	Isophorone	0.76	U	0.76	5.10	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.10	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.69	U	0.69	5.10	ug/L
120-83-2	2,4-Dichlorophenol	0.53	U	0.53	5.10	ug/L
91-20-3	Naphthalene	0.51	U	0.51	5.10	ug/L
106-47-8	4-Chloroaniline	0.85	UQ	0.85	5.10	ug/L
87-68-3	Hexachlorobutadiene	0.55	U	0.55	5.10	ug/L
105-60-2	Caprolactam	1.10	U	1.10	10.1	ug/L
59-50-7	4-Chloro-3-methylphenol	0.60	U	0.60	5.10	ug/L
91-57-6	2-Methylnaphthalene	0.57	U	0.57	5.10	ug/L
77-47-4	Hexachlorocyclopentadiene	3.70	U	3.70	10.1	ug/L
88-06-2	2,4,6-Trichlorophenol	0.52	U	0.52	5.10	ug/L
95-95-4	2,4,5-Trichlorophenol	0.63	U	0.63	5.10	ug/L
92-52-4	1,1-Biphenyl	0.54	U	0.54	5.10	ug/L
91-58-7	2-Chloronaphthalene	0.62	U	0.62	5.10	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.10	ug/L
131-11-3	Dimethylphthalate	0.62	U	0.62	5.10	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW02	SDG No.:	Q2934
Lab Sample ID:	Q2934-02	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025554.D	1	08/22/25 10:34	08/22/25 18:20	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.76	U	0.76	5.10	ug/L
606-20-2	2,6-Dinitrotoluene	0.93	U	0.93	5.10	ug/L
99-09-2	3-Nitroaniline	1.10	UQ	1.10	5.10	ug/L
83-32-9	Acenaphthene	0.56	U	0.56	5.10	ug/L
51-28-5	2,4-Dinitrophenol	6.00	U	6.00	10.1	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.1	ug/L
132-64-9	Dibenzofuran	0.62	U	0.62	5.10	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.10	ug/L
84-66-2	Diethylphthalate	0.70	U	0.70	5.10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.69	U	0.69	5.10	ug/L
86-73-7	Fluorene	0.64	U	0.64	5.10	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	2.90	10.1	ug/L
86-30-6	n-Nitrosodiphenylamine	0.59	U	0.59	5.10	ug/L
101-55-3	4-Bromophenyl-phenylether	0.40	U	0.40	5.10	ug/L
118-74-1	Hexachlorobenzene	0.53	U	0.53	5.10	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.10	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.1	ug/L
85-01-8	Phenanthrene	0.51	U	0.51	5.10	ug/L
120-12-7	Anthracene	0.62	U	0.62	5.10	ug/L
86-74-8	Carbazole	0.73	U	0.73	5.10	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.10	ug/L
206-44-0	Fluoranthene	0.83	U	0.83	5.10	ug/L
129-00-0	Pyrene	0.51	U	0.51	5.10	ug/L
85-68-7	Butylbenzylphthalate	1.90	U	1.90	5.10	ug/L
91-94-1	3,3-Dichlorobenzidine	0.94	UQ	0.94	10.1	ug/L
56-55-3	Benzo(a)anthracene	0.45	U	0.45	5.10	ug/L
218-01-9	Chrysene	0.44	U	0.44	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.10	ug/L
117-84-0	Di-n-octyl phthalate	2.40	U	2.40	10.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	5.10	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW02	SDG No.:	Q2934
Lab Sample ID:	Q2934-02	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025554.D	1	08/22/25 10:34	08/22/25 18:20	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.10	ug/L
50-32-8	Benzo(a)pyrene	0.56	U	0.56	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.60	U	0.60	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.68	U	0.68	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	0.70	U	0.70	5.10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.53	U	0.53	5.10	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.73	U	0.73	5.10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	93.7		15 (23) - 110 (138)	62%	SPK: 150
13127-88-3	Phenol-d6	73.6		15 (10) - 110 (134)	49%	SPK: 150
4165-60-0	Nitrobenzene-d5	97.0		30 (67) - 130 (132)	97%	SPK: 100
321-60-8	2-Fluorobiphenyl	87.4		30 (52) - 130 (132)	87%	SPK: 100
118-79-6	2,4,6-Tribromophenol	157		15 (44) - 110 (137)	105%	SPK: 150
1718-51-0	Terphenyl-d14	82.2		30 (42) - 130 (152)	82%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	160000	7.778			
1146-65-2	Naphthalene-d8	629000	10.542			
15067-26-2	Acenaphthene-d10	402000	14.378			
1517-22-2	Phenanthrene-d10	847000	17.183			
1719-03-5	Chrysene-d12	934000	21.618			
1520-96-3	Perylene-d12	1100000	24.977			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	81.0	J		3.03	ug/L
014315-97-0	1,1,3-Trimethoxypropane	4.10	J		3.07	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	8.70	AB		4.94	ug/L
000119-61-9	Benzophenone	7.70	J		15.8	ug/L
000057-10-3	n-Hexadecanoic acid	14.1	J		18.1	ug/L
000057-11-4	Octadecanoic acid	5.30	J		19.5	ug/L
1000406-04-8	Pentadecafluorooctanoic acid, octa	4.90	J		21.3	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW02	SDG No.:	Q2934
Lab Sample ID:	Q2934-02	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025554.D	1	08/22/25 10:34	08/22/25 18:20	PB169362

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\BP082225\
Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
Operator : CG/JU
Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW02

Quant Time: Aug 25 01:19:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	160345	20.000	ng	-0.02
21) Naphthalene-d8	10.542	136	629322	20.000	ng	-0.02
39) Acenaphthene-d10	14.378	164	401606	20.000	ng	-0.03
64) Phenanthrene-d10	17.183	188	846616	20.000	ng	-0.02
76) Chrysene-d12	21.618	240	933681	20.000	ng	-0.03
86) Perylene-d12	24.977	264	1099736	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	905029	93.734	ng	0.00
7) Phenol-d6	6.960	99	911354	73.622	ng	0.00
23) Nitrobenzene-d5	8.919	82	1207109	97.029	ng	-0.02
42) 2,4,6-Tribromophenol	15.895	330	850716	157.375	ng	-0.02
45) 2-Fluorobiphenyl	13.001	172	2567699	87.380	ng	-0.02
79) Terphenyl-d14	19.907	244	4192371	82.151	ng	-0.01

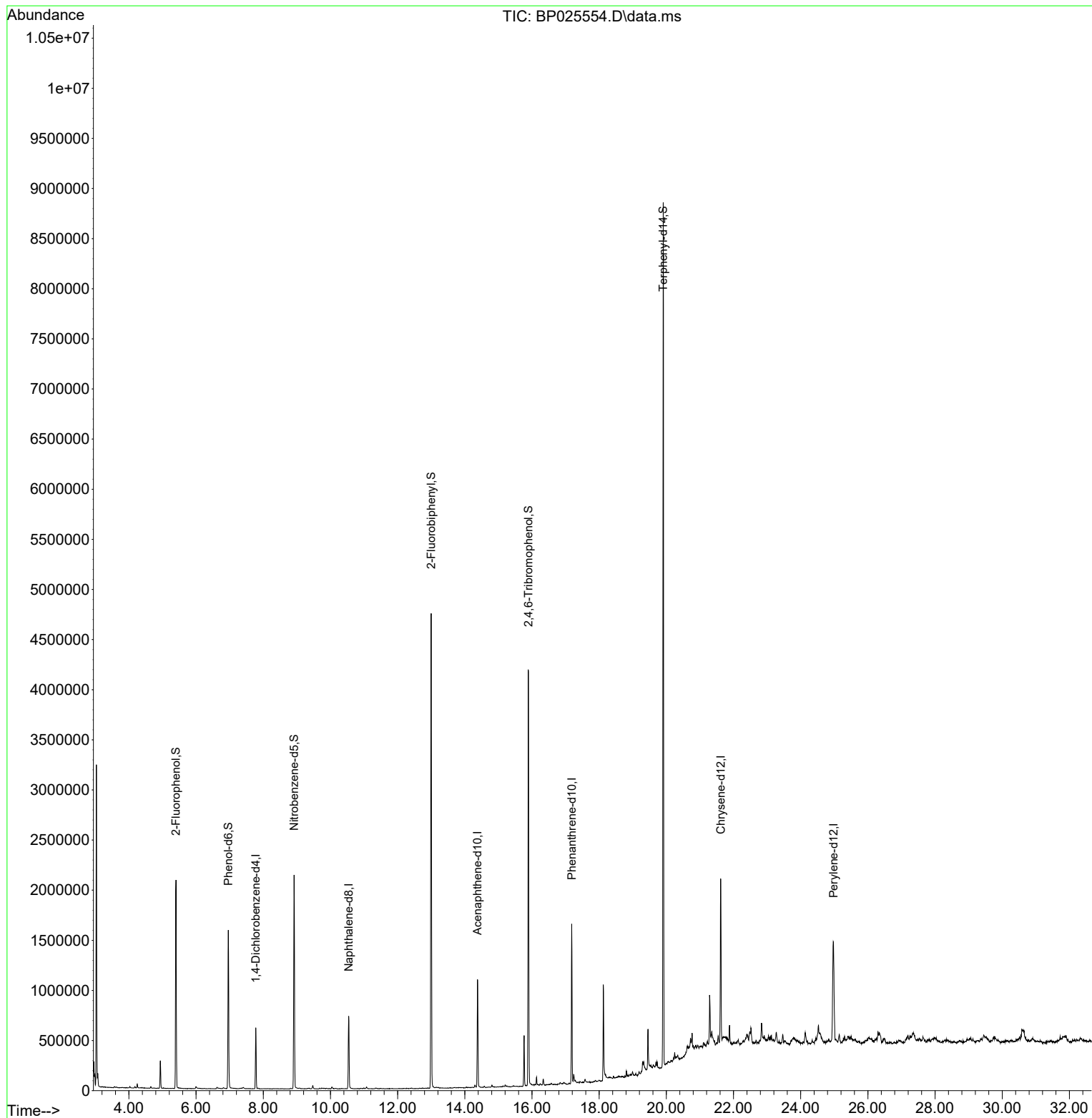
Target Compounds	Qvalue

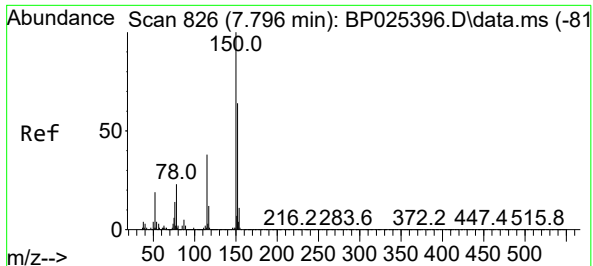
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
Operator : CG/JU
Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW02

Quant Time: Aug 25 01:19:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

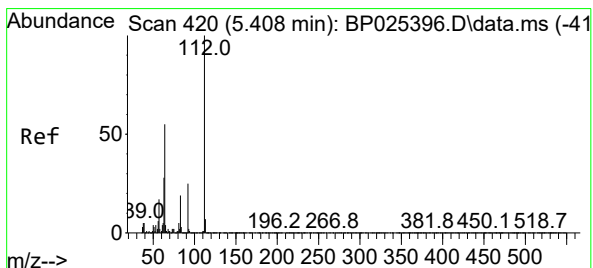
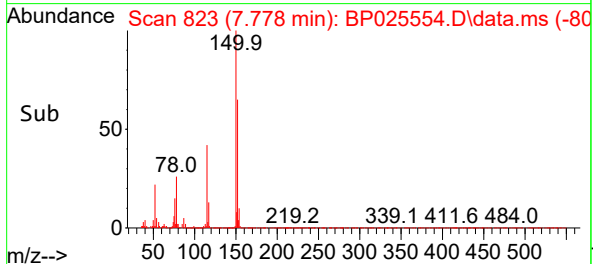
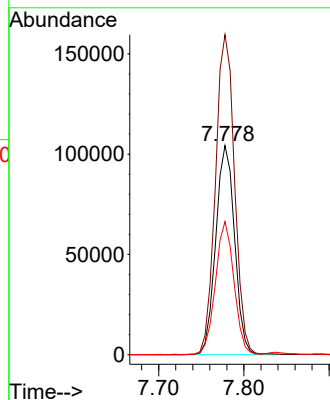
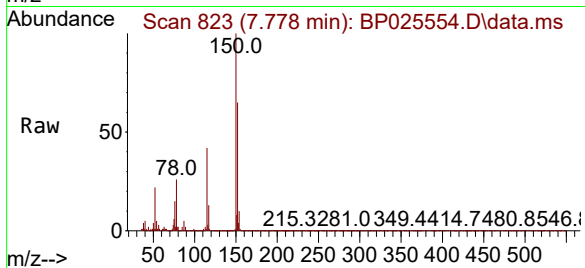




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.778 min Scan# 81
Delta R.T. -0.018 min
Lab File: BP025554.D
Acq: 22 Aug 2025 18:20

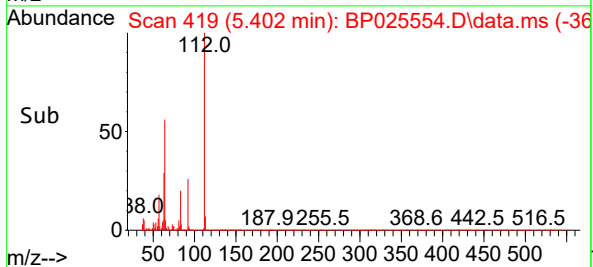
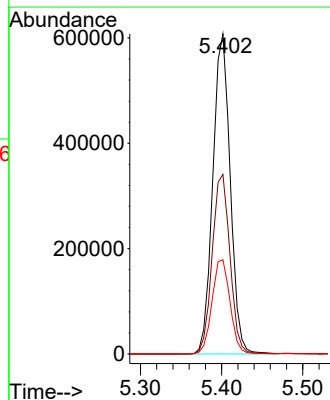
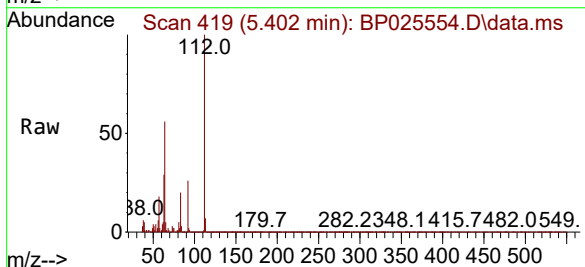
Instrument :
BNA_P
ClientSampleId :
ENV-SW02

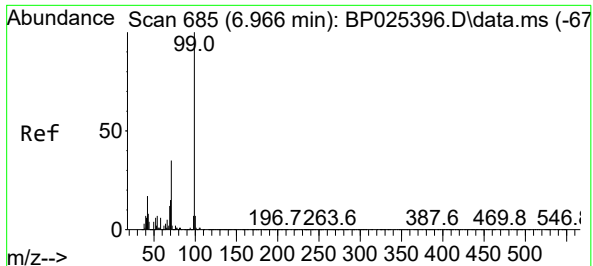
Tgt Ion:152 Resp: 160345
Ion Ratio Lower Upper
152 100
150 153.1 125.9 188.9
115 63.7 48.5 72.7



#5
2-Fluorophenol
Concen: 93.734 ng
RT: 5.402 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025554.D
Acq: 22 Aug 2025 18:20

Tgt Ion:112 Resp: 905029
Ion Ratio Lower Upper
112 100
64 56.1 43.8 65.8
63 29.4 22.7 34.1





#7

Phenol-d6

Concen: 73.622 ng

RT: 6.960 min Scan# 61

Delta R.T. -0.006 min

Lab File: BP025554.D

Acq: 22 Aug 2025 18:20

Instrument :

BNA_P

ClientSampleId :

ENV-SW02

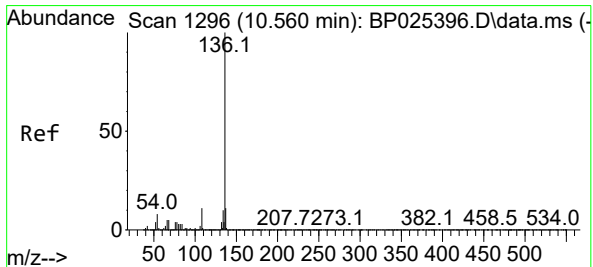
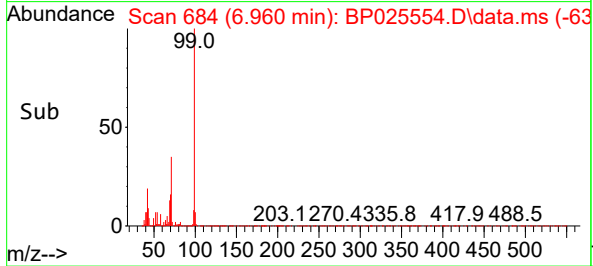
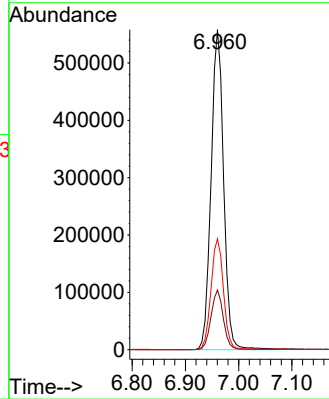
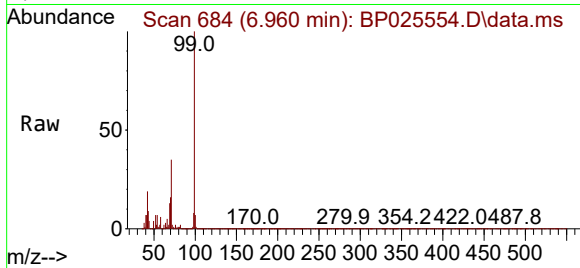
Tgt Ion: 99 Resp: 911354

Ion Ratio Lower Upper

99 100

42 18.7 13.7 20.5

71 34.7 28.2 42.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.542 min Scan# 1293

Delta R.T. -0.018 min

Lab File: BP025554.D

Acq: 22 Aug 2025 18:20

Tgt Ion: 136 Resp: 629322

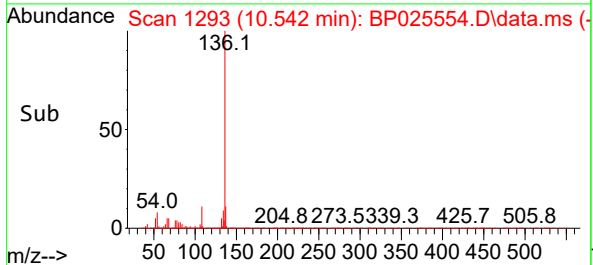
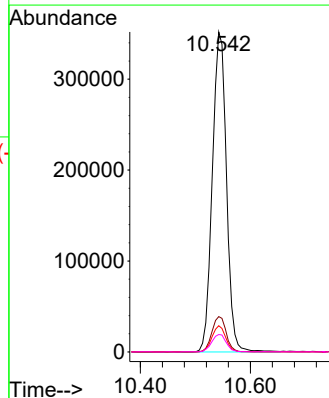
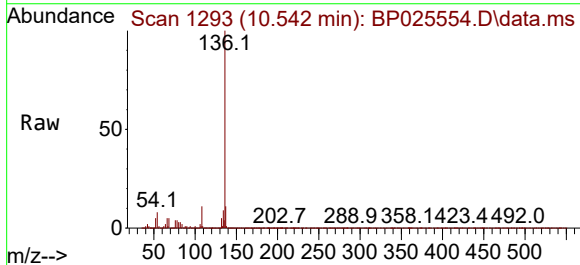
Ion Ratio Lower Upper

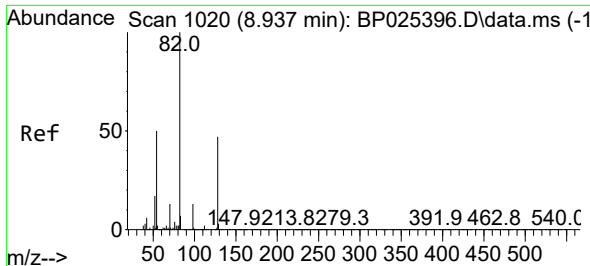
136 100

137 11.0 9.2 13.8

54 8.2 6.0 9.0

68 5.5 4.3 6.5





#23

Nitrobenzene-d5

Concen: 97.029 ng

RT: 8.919 min Scan# 1017

Delta R.T. -0.018 min

Lab File: BP025554.D

Acq: 22 Aug 2025 18:20

Instrument :

BNA_P

ClientSampleId :

ENV-SW02

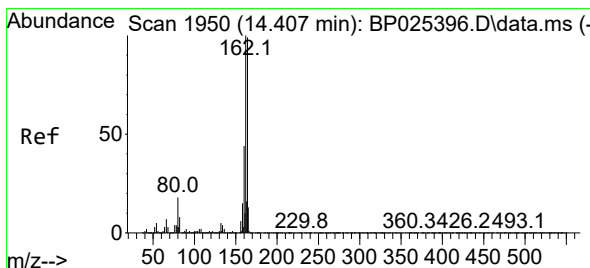
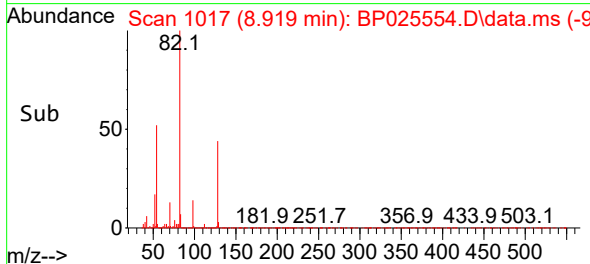
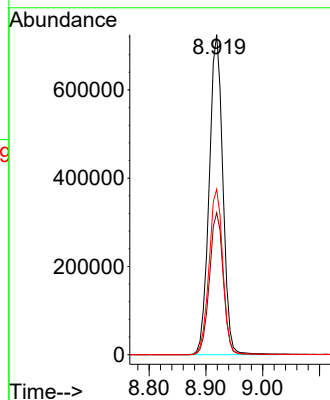
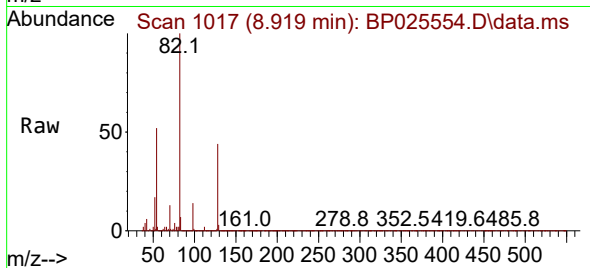
Tgt Ion: 82 Resp: 1207109

Ion Ratio Lower Upper

82 100

128 44.4 37.7 56.5

54 51.7 39.8 59.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.378 min Scan# 1945

Delta R.T. -0.030 min

Lab File: BP025554.D

Acq: 22 Aug 2025 18:20

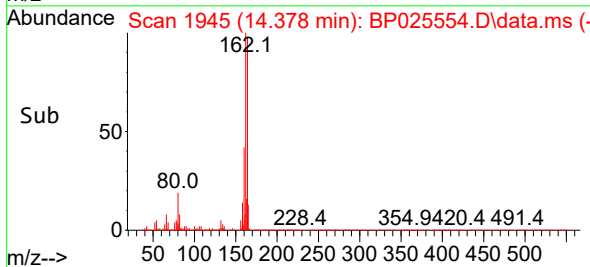
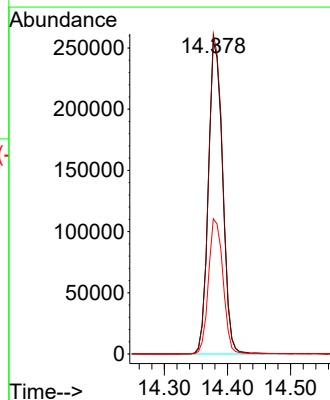
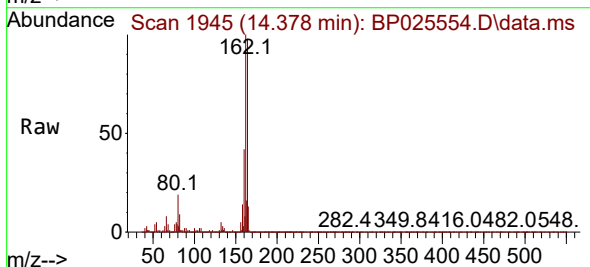
Tgt Ion: 164 Resp: 401606

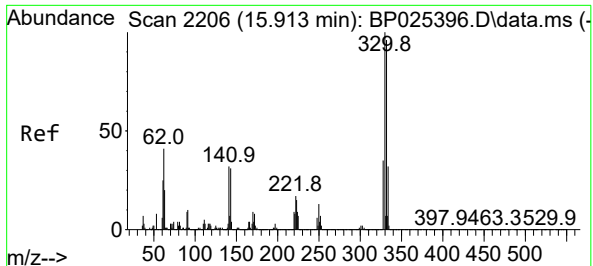
Ion Ratio Lower Upper

164 100

162 102.2 81.0 121.6

160 43.2 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 157.375 ng

RT: 15.895 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP025554.D

Acq: 22 Aug 2025 18:20

Instrument :

BNA_P

ClientSampleId :

ENV-SW02

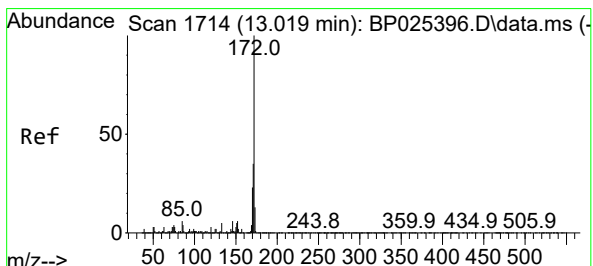
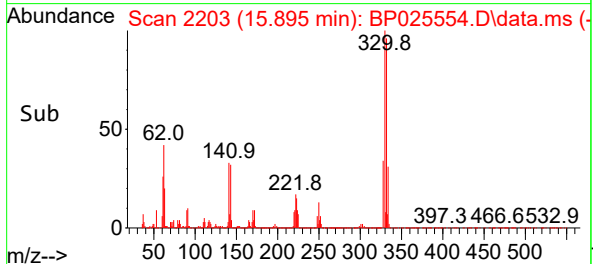
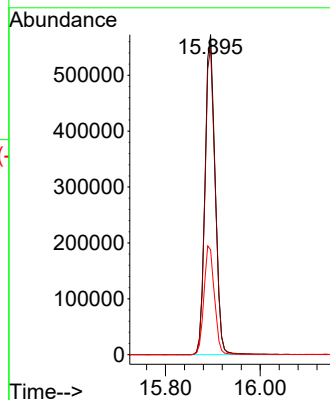
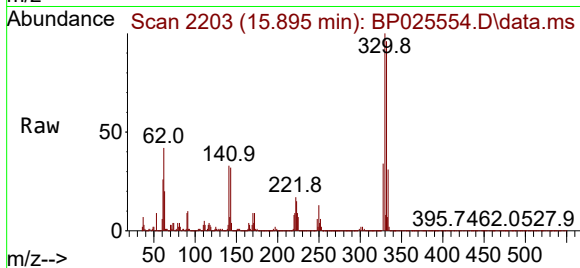
Tgt Ion:330 Resp: 850716

Ion Ratio Lower Upper

330 100

332 96.9 77.3 115.9

141 34.9 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 87.380 ng

RT: 13.001 min Scan# 1711

Delta R.T. -0.018 min

Lab File: BP025554.D

Acq: 22 Aug 2025 18:20

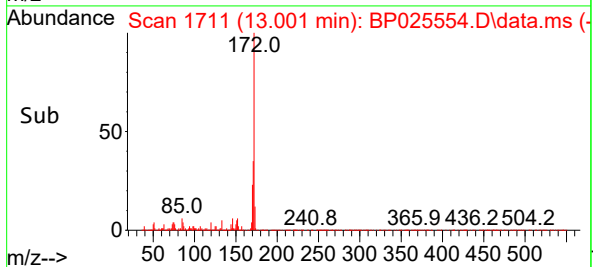
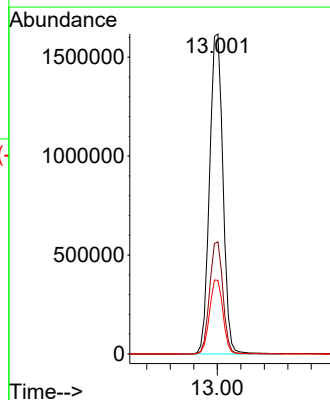
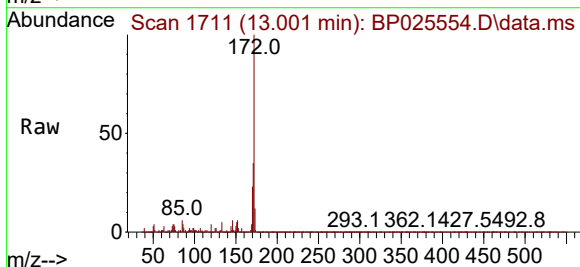
Tgt Ion:172 Resp: 2567699

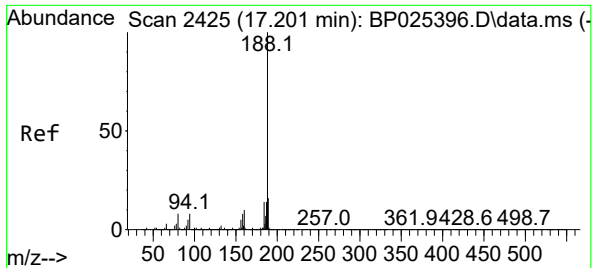
Ion Ratio Lower Upper

172 100

171 35.1 28.1 42.1

170 23.0 18.6 28.0

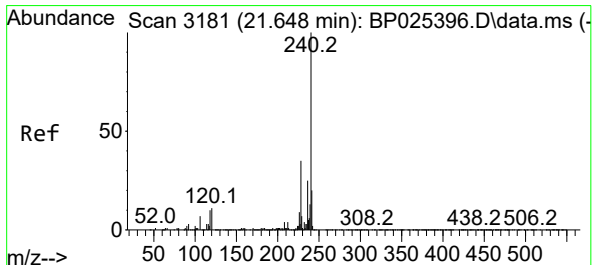
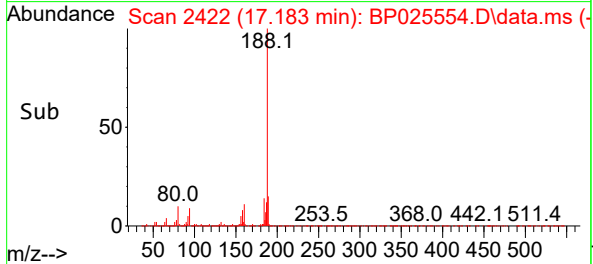
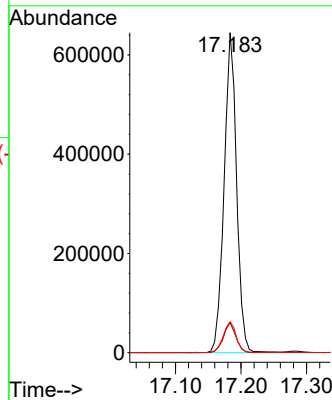
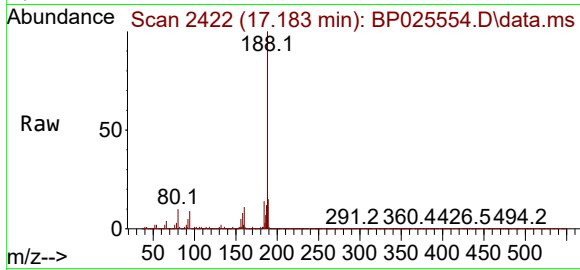




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.183 min Scan# 2422
Delta R.T. -0.018 min
Lab File: BP025554.D
Acq: 22 Aug 2025 18:20

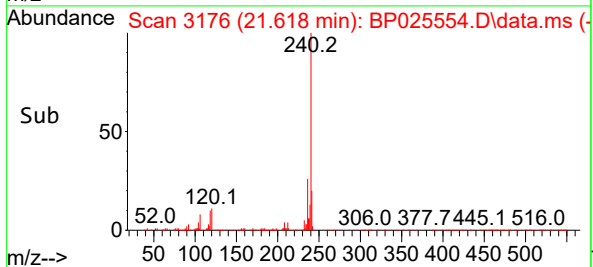
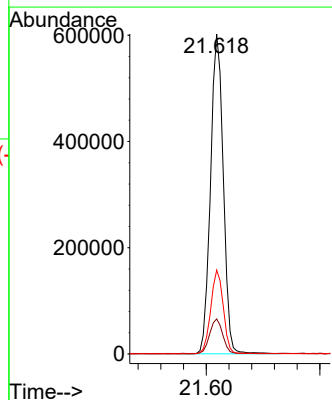
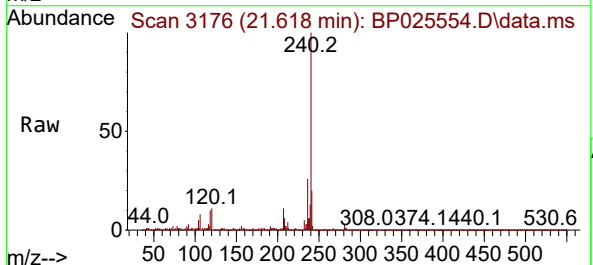
Instrument :
BNA_P
ClientSampleId :
ENV-SW02

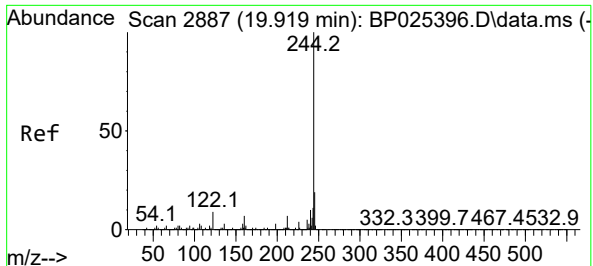
Tgt Ion:188 Resp: 846616
Ion Ratio Lower Upper
188 100
94 9.4 6.6 10.0
80 9.7 6.7 10.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.618 min Scan# 3176
Delta R.T. -0.030 min
Lab File: BP025554.D
Acq: 22 Aug 2025 18:20

Tgt Ion:240 Resp: 933681
Ion Ratio Lower Upper
240 100
120 10.9 8.9 13.3
236 26.2 19.8 29.8

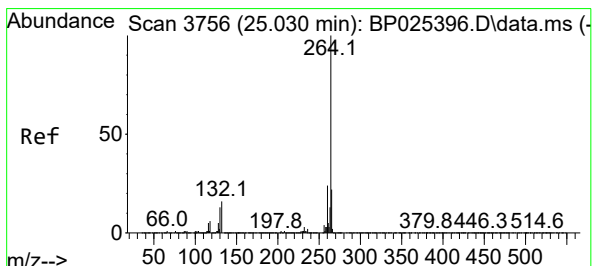
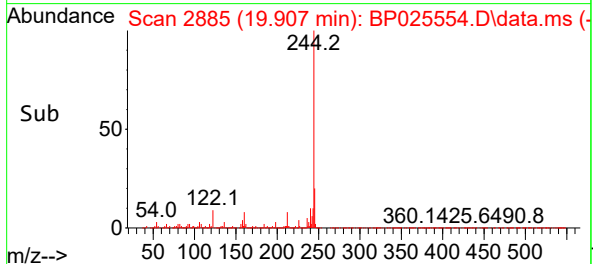
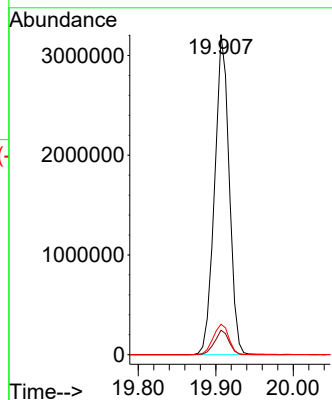
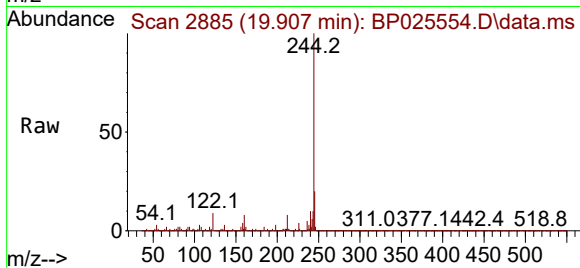




#79
Terphenyl-d14
Concen: 82.151 ng
RT: 19.907 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025554.D
Acq: 22 Aug 2025 18:20

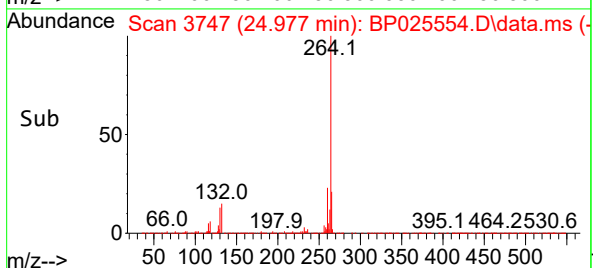
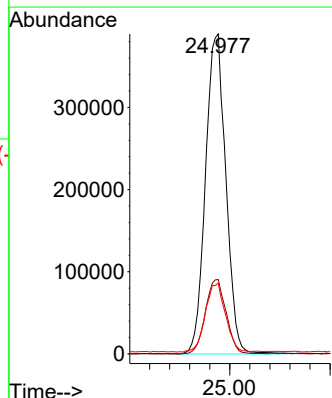
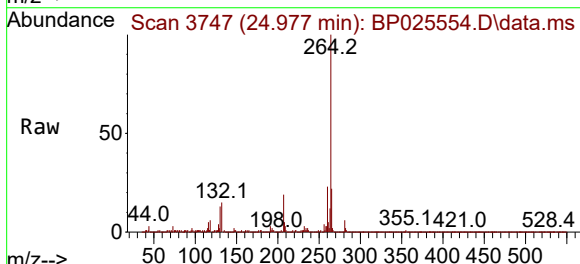
Instrument :
BNA_P
ClientSampleId :
ENV-SW02

Tgt Ion:244 Resp: 4192371
Ion Ratio Lower Upper
244 100
212 7.6 5.8 8.6
122 9.5 7.4 11.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.977 min Scan# 3747
Delta R.T. -0.053 min
Lab File: BP025554.D
Acq: 22 Aug 2025 18:20

Tgt Ion:264 Resp: 1099736
Ion Ratio Lower Upper
264 100
260 23.3 19.3 28.9
265 22.1 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
Operator : CG/JU
Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW02

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025554.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.031	11	16	21	rVV	3200248	3746621	32.68%	6.870%
2	3.072	21	23	39	rVB	136580	189950	1.66%	0.348%
3	4.937	333	340	350	rVB	276751	401809	3.50%	0.737%
4	5.402	411	419	427	rBV	2079294	3134142	27.34%	5.747%
5	6.960	675	684	698	rBV	1581689	2604287	22.72%	4.775%
6	7.778	817	823	830	rBV	607589	934843	8.15%	1.714%
7	8.919	1006	1017	1036	rBV	2133769	3593792	31.35%	6.590%
8	10.542	1284	1293	1312	rBV	724784	1307641	11.41%	2.398%
9	13.001	1703	1711	1729	rBV	4735660	7519268	65.58%	13.788%
10	14.378	1939	1945	1964	rVB	1076273	1724869	15.04%	3.163%
11	15.766	2175	2181	2188	rBV	505082	658809	5.75%	1.208%
12	15.889	2196	2202	2225	rBV	4149233	6518523	56.86%	11.953%
13	17.183	2416	2422	2428	rBV	1593068	2133559	18.61%	3.912%
14	17.242	2428	2432	2438	rVV3	68538	120725	1.05%	0.221%
15	18.124	2577	2582	2592	rBV	959482	1485529	12.96%	2.724%
16	19.295	2777	2781	2783	rBV2	92783	138515	1.21%	0.254%
17	19.454	2803	2808	2815	rBV	402248	642656	5.61%	1.178%
18	19.907	2879	2885	2893	rBV	8620374	11464938	100.00%	21.023%
19	21.289	3117	3120	3125	rBV2	432830	596773	5.21%	1.094%
20	21.618	3171	3176	3182	rVB	1611583	2449164	21.36%	4.491%
21	21.883	3218	3221	3226	rVB	183170	239678	2.09%	0.439%
22	22.836	3380	3383	3388	rVB3	142543	210041	1.83%	0.385%
23	24.971	3739	3746	3756	rVB2	980721	2720353	23.73%	4.988%

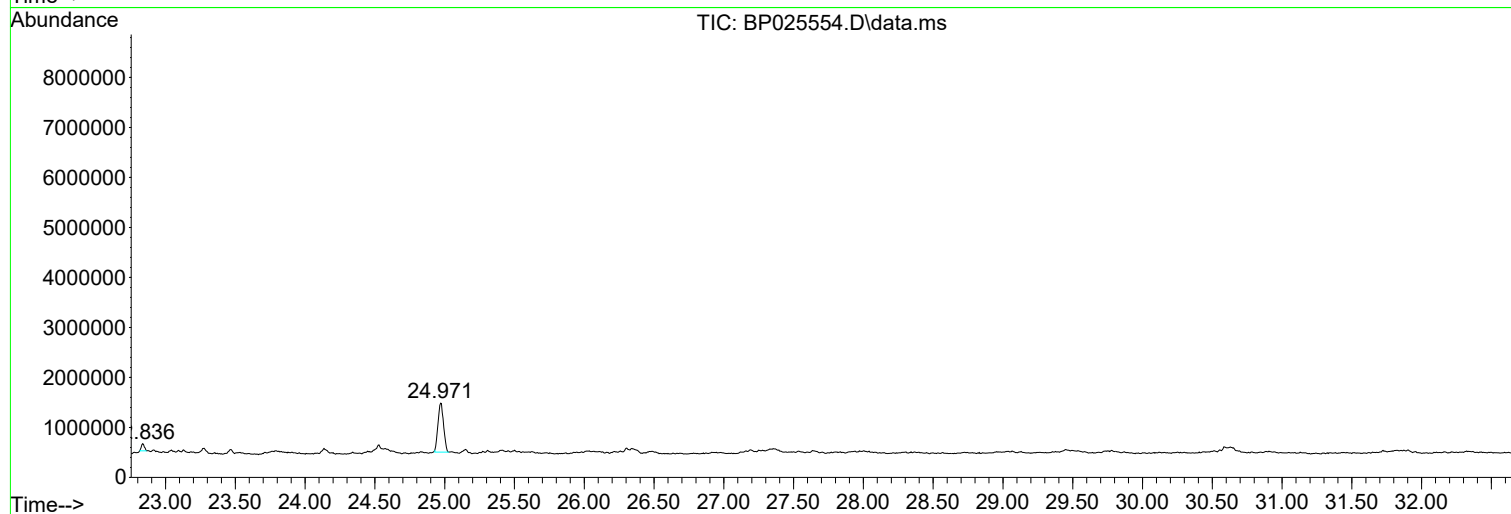
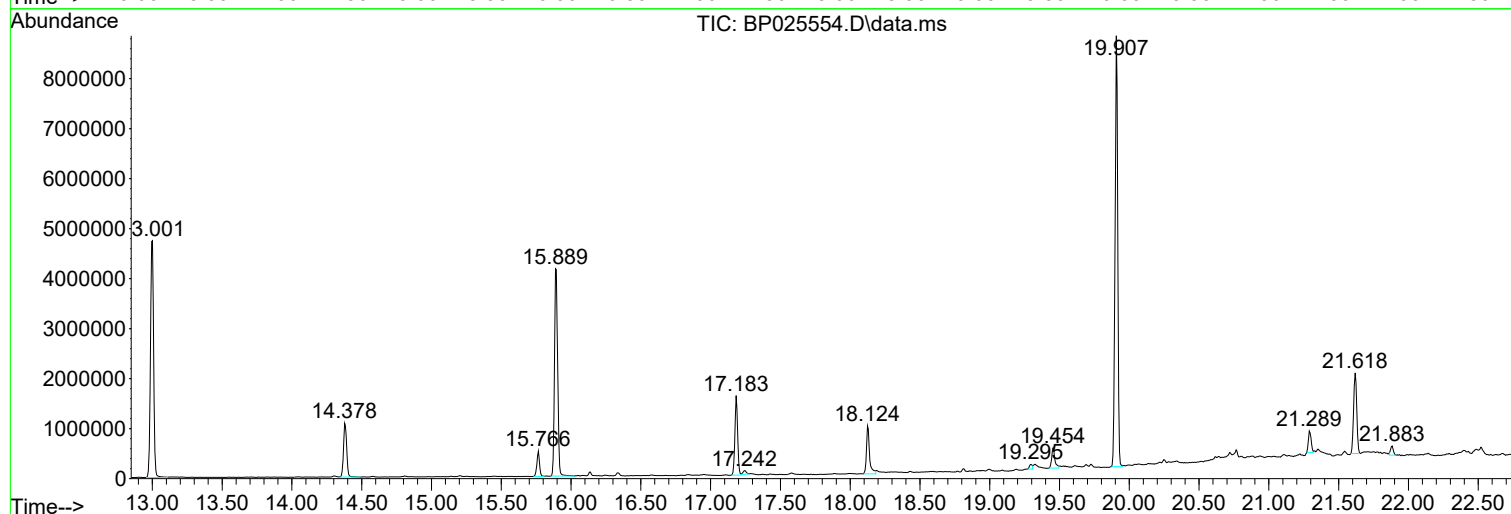
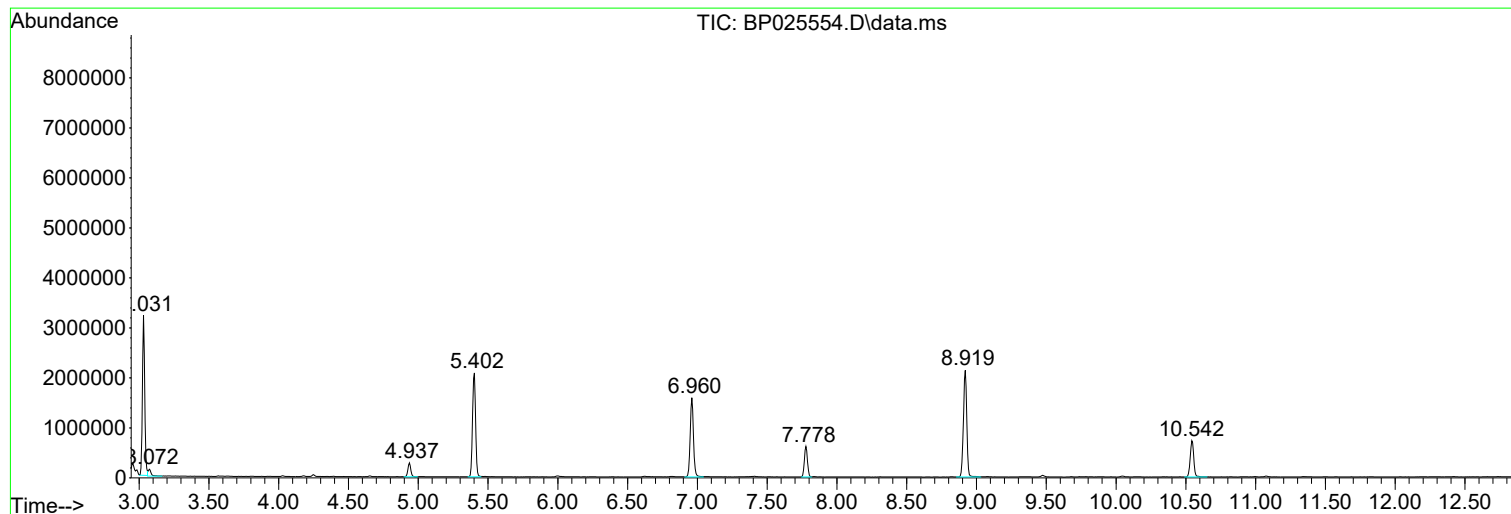
Sum of corrected areas: 54536485

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
Operator : CG/JU
Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
Operator : CG/JU
Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW02

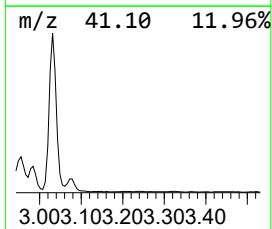
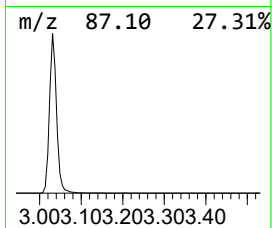
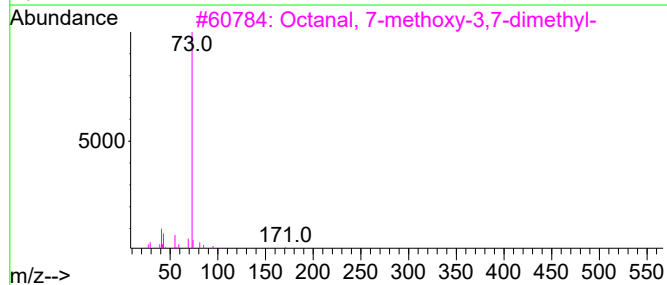
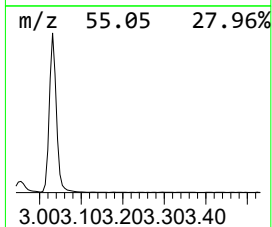
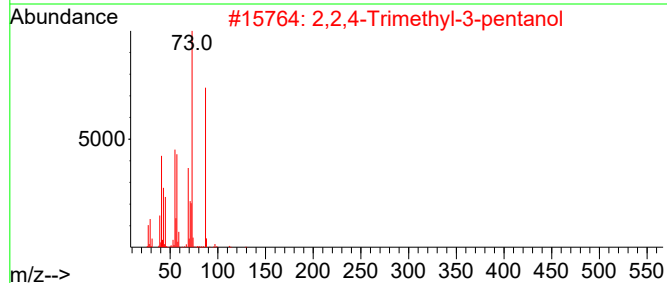
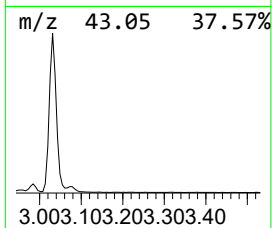
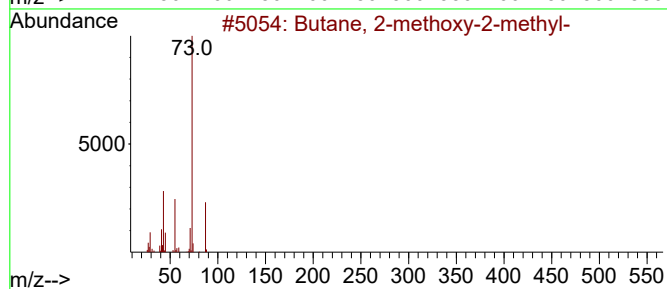
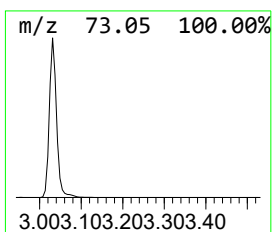
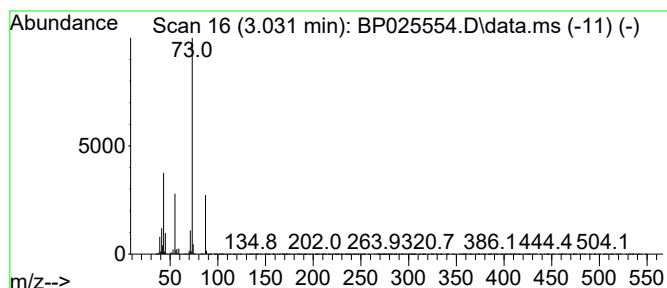
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.031	80.16 ng	3746620	1,4-Dichlorobenzene-d4	7.778

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	23
4			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
Operator : CG/JU
Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

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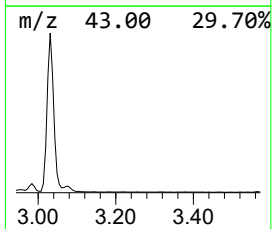
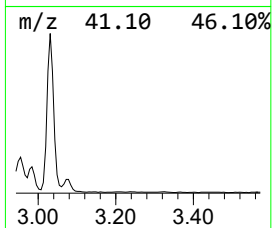
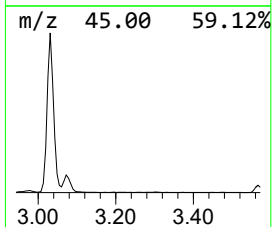
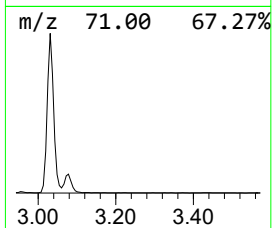
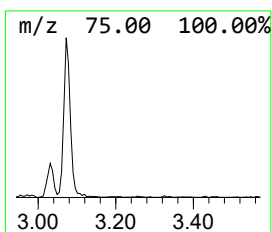
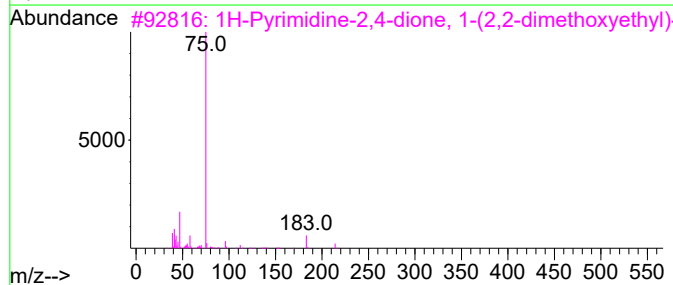
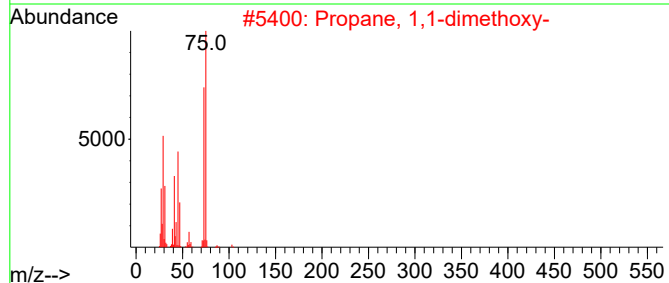
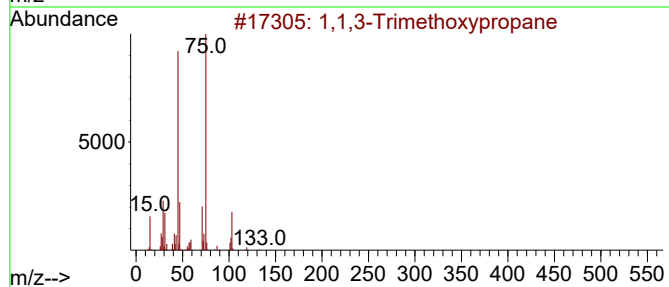
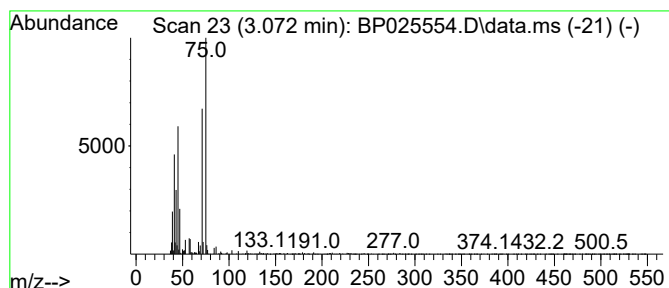
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 1,1,3-Trimethoxypropane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.072	4.06 ng	189950	1,4-Dichlorobenzene-d4	7.778

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1,1,3-Trimethoxypropane	134	C6H14O3	014315-97-0	56
2		Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	45
3		1H-Pyrimidine-2,4-dione, 1-(2,2-...	214	C9H14N2O4	1010302-49-7	37
4		3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	10
5		1-Penten-3-ol, 2-methyl-	100	C6H12O	002088-07-5	10



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
Operator : CG/JU
Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW02

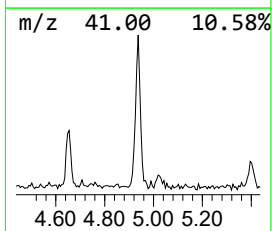
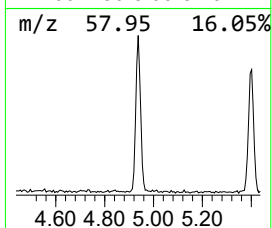
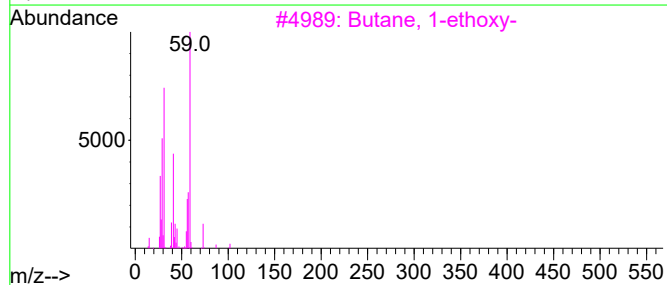
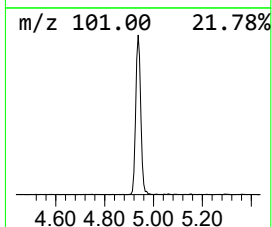
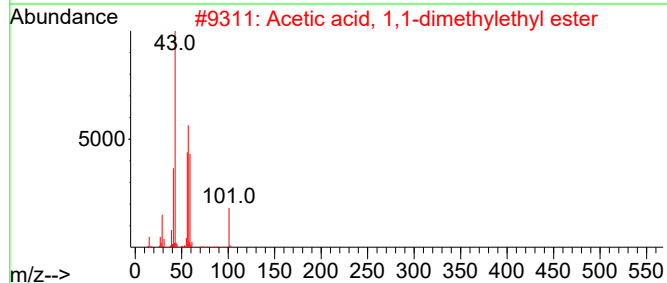
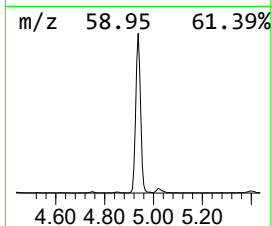
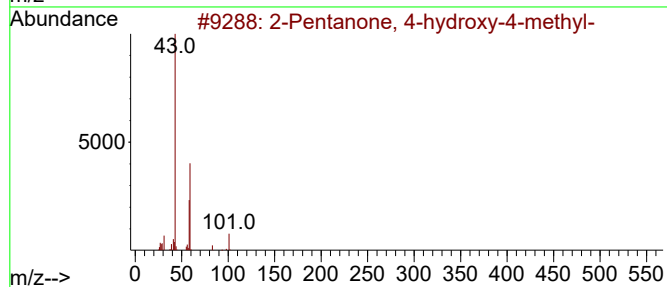
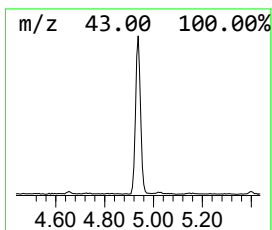
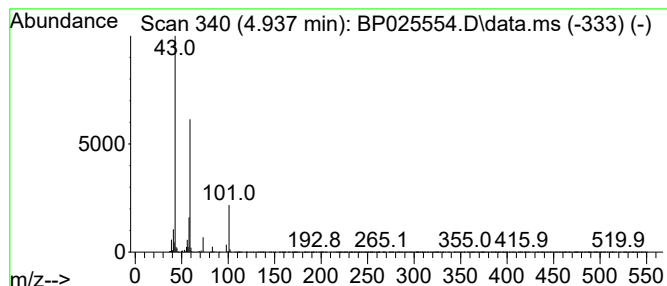
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.937	8.60 ng	401809	1,4-Dichlorobenzene-d4	7.778

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3			Butane, 1-ethoxy-	102	C6H14O	000628-81-9	25
4			Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	23
5			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
Operator : CG/JU
Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

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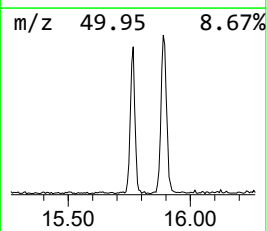
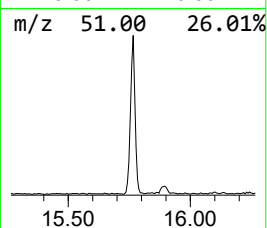
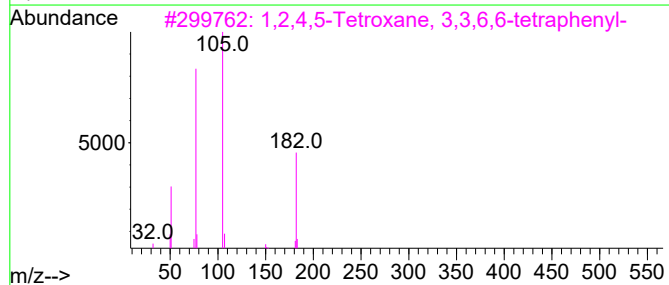
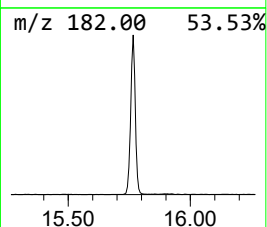
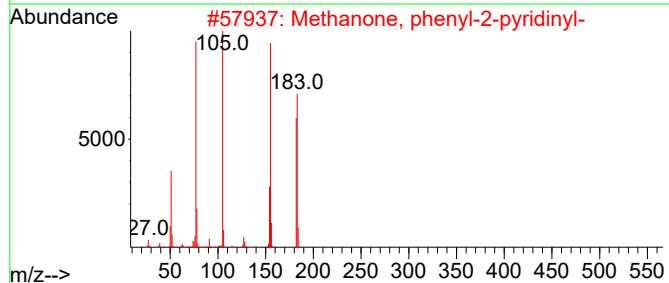
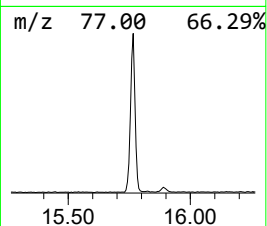
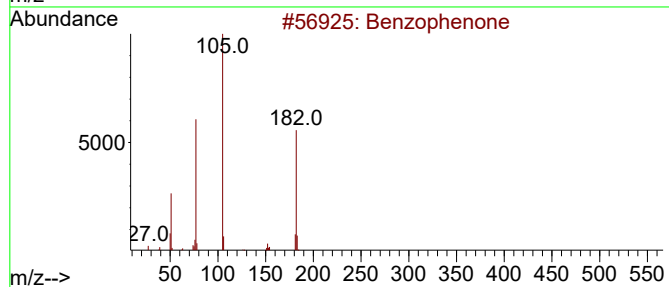
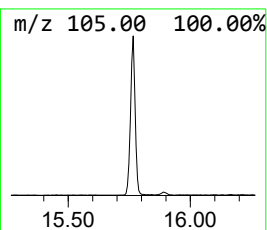
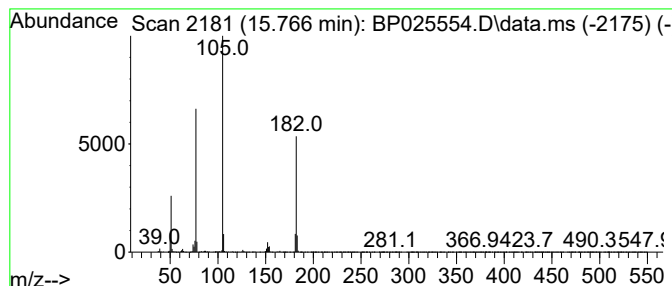
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.766	7.64 ng	658809	Acenaphthene-d10	14.378

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	72
3			1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
4			Azobenzene	182	C12H10N2	000103-33-3	64
5			1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	45



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
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Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

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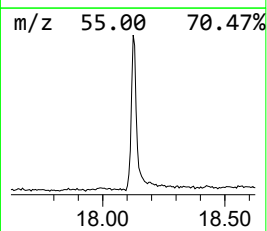
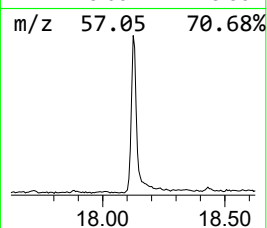
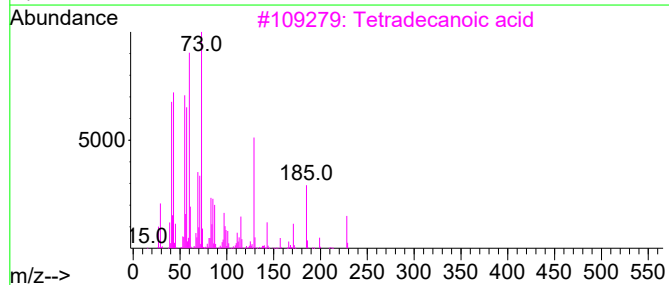
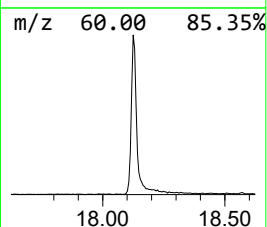
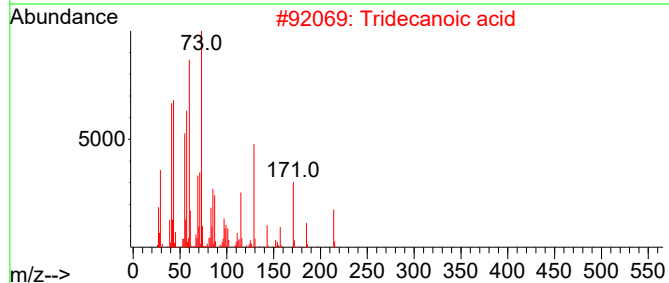
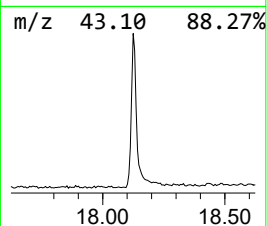
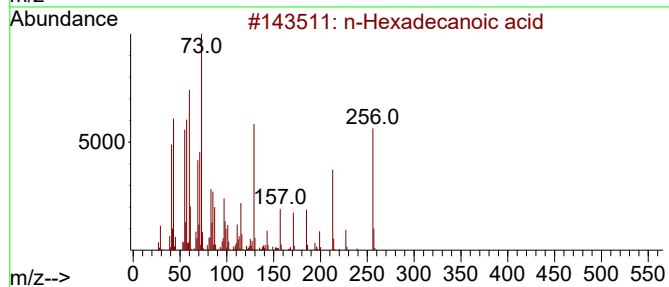
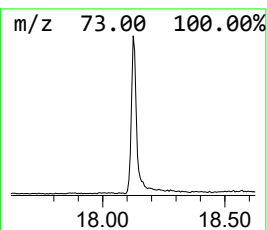
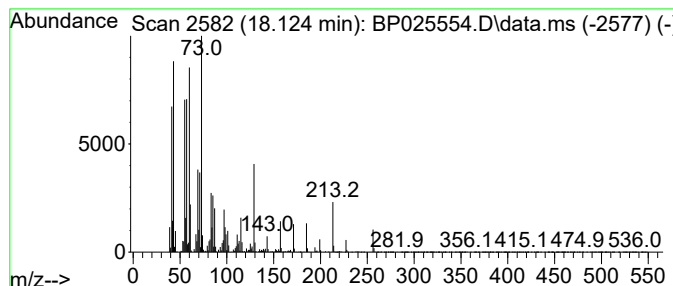
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.124	13.93 ng	1485530	Phenanthrene-d10	17.183

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tridecanoic acid	214	C13H26O2	000638-53-9	97
3			Tetradecanoic acid	228	C14H28O2	000544-63-8	93
4			Pentadecanoic acid	242	C15H30O2	001002-84-2	91
5			Undecanoic acid	186	C11H22O2	000112-37-8	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
Operator : CG/JU
Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

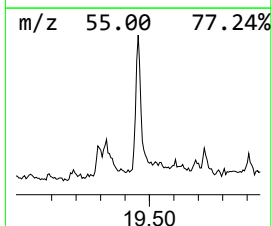
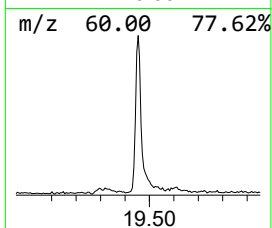
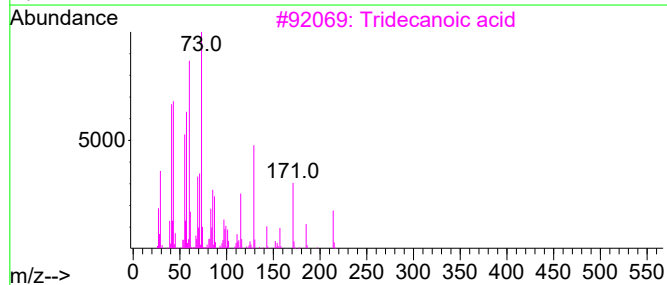
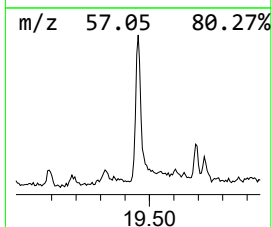
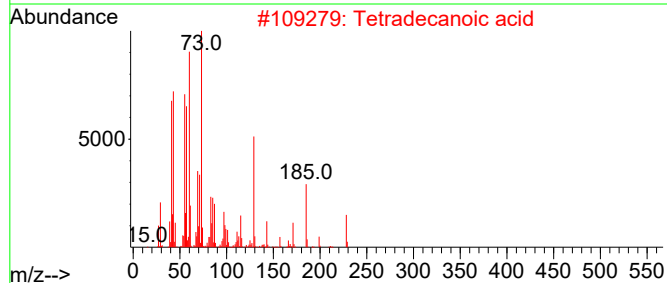
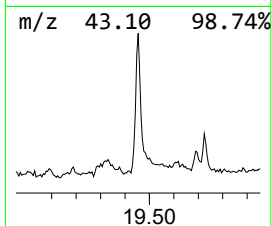
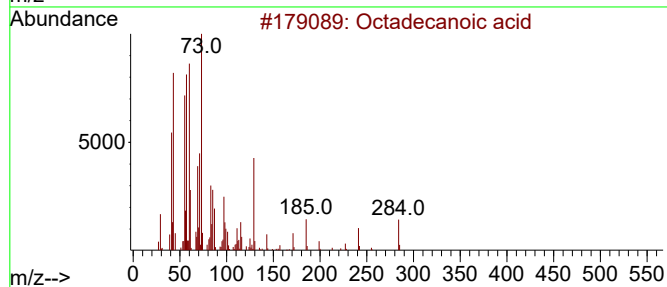
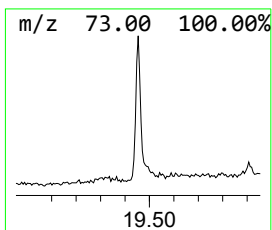
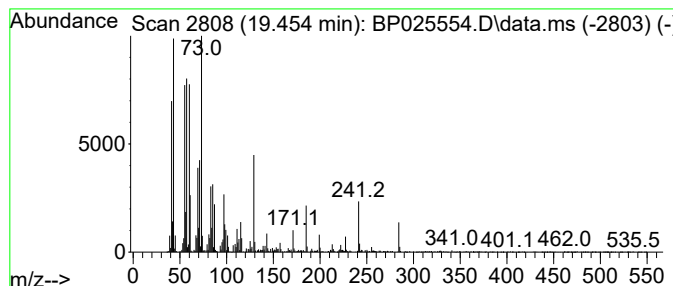
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.454	5.25 ng	642656	Chrysene-d12	21.618	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	86
3	Tridecanoic acid	214	C13H26O2	000638-53-9	72
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	70
5	n-Decanoic acid	172	C10H20O2	000334-48-5	62



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
Operator : CG/JU
Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

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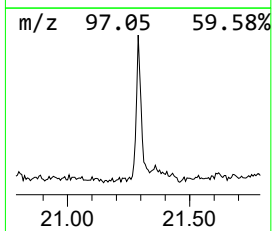
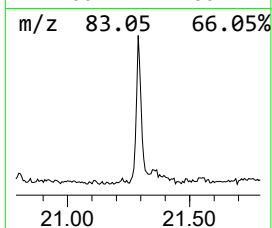
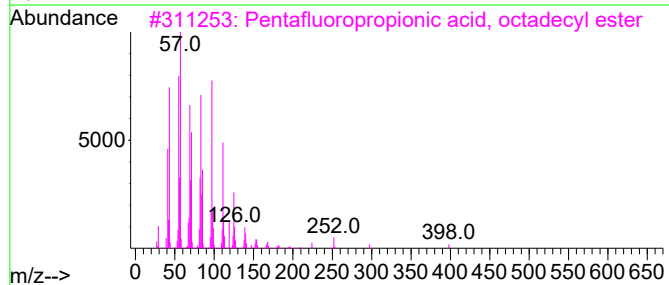
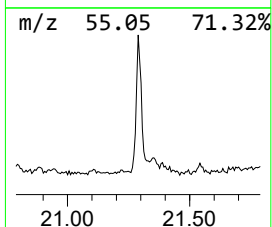
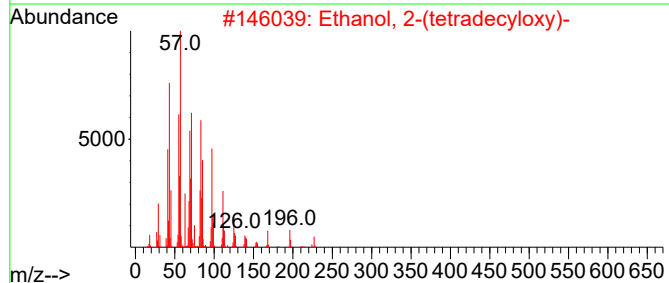
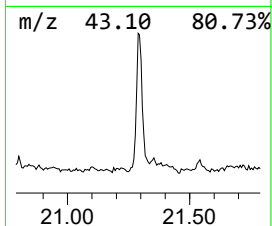
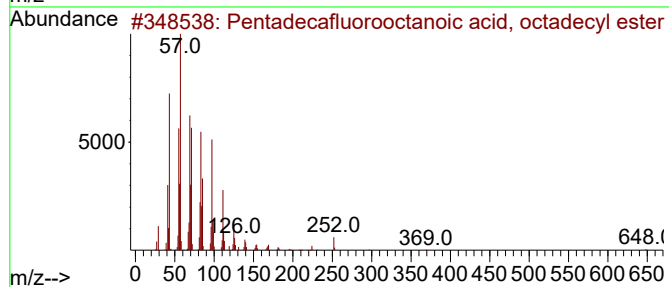
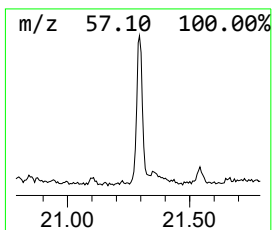
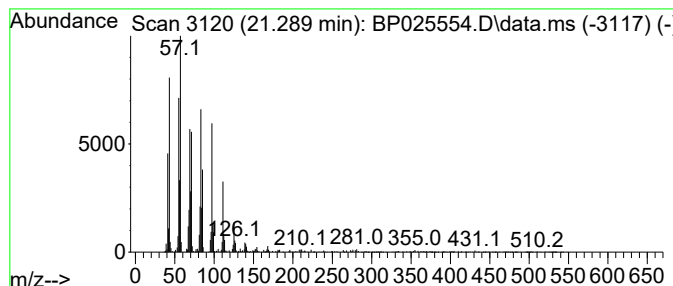
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Pentadecafluorooctanoic aci... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.289	4.87 ng	596773	Chrysene-d12	21.618

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	95
2			Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	93
3			Pentafluoropropionic acid, octad...	416	C21H37F5O2	959261-25-7	91
4			1-Hexadecanol, 2-methyl-	256	C17H36O	002490-48-4	91
5			Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
Operator : CG/JU
Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	3.031	80.2	ng	3746620	1	7.778	934843	20.0
1,1,3-Trimethox...	3.072	4.1	ng	189950	1	7.778	934843	20.0
2-Pentanone, 4-...	4.937	8.6	ng	401809	1	7.778	934843	20.0
Benzophenone	15.766	7.6	ng	658809	3	14.378	1724870	20.0
n-Hexadecanoic ...	18.124	13.9	ng	1485530	4	17.183	2133560	20.0
Octadecanoic acid	19.454	5.3	ng	642656	5	21.618	2449160	20.0
Pentadecafluoro...	21.289	4.9	ng	596773	5	21.618	2449160	20.0

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW03	SDG No.:	Q2934
Lab Sample ID:	Q2934-03	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025555.D	1	08/22/25 10:34	08/22/25 19:02	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.0	ug/L
108-95-2	Phenol	0.91	U	0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.81	U	0.81	5.00	ug/L
95-57-8	2-Chlorophenol	0.58	U	0.58	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.00	ug/L
98-86-2	Acetophenone	0.74	U	0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.50	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
78-59-1	Isophorone	0.75	U	0.75	5.00	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.52	U	0.52	5.00	ug/L
91-20-3	Naphthalene	0.50	U	0.50	5.00	ug/L
106-47-8	4-Chloroaniline	0.84	UQ	0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
105-60-2	Caprolactam	1.10	U	1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.59	U	0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	0.56	U	0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	3.60	U	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	0.53	U	0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.61	U	0.61	5.00	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.00	ug/L
131-11-3	Dimethylphthalate	0.61	U	0.61	5.00	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW03	SDG No.:	Q2934
Lab Sample ID:	Q2934-03	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025555.D	1	08/22/25 10:34	08/22/25 19:02	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.75	U	0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	0.92	U	0.92	5.00	ug/L
99-09-2	3-Nitroaniline	1.10	UQ	1.10	5.00	ug/L
83-32-9	Acenaphthene	0.55	U	0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.00	U	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.0	ug/L
132-64-9	Dibenzofuran	0.61	U	0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
84-66-2	Diethylphthalate	0.69	U	0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.68	U	0.68	5.00	ug/L
86-73-7	Fluorene	0.63	U	0.63	5.00	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.58	U	0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.40	U	0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
85-01-8	Phenanthrene	0.50	U	0.50	5.00	ug/L
120-12-7	Anthracene	0.61	U	0.61	5.00	ug/L
86-74-8	Carbazole	0.72	U	0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.00	ug/L
206-44-0	Fluoranthene	0.82	U	0.82	5.00	ug/L
129-00-0	Pyrene	0.50	U	0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	1.90	U	1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	0.93	UQ	0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.45	U	0.45	5.00	ug/L
218-01-9	Chrysene	0.44	U	0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.30	U	2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	5.00	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW03	SDG No.:	Q2934
Lab Sample ID:	Q2934-03	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025555.D	1	08/22/25 10:34	08/22/25 19:02	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	0.55	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.67	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	0.69	U	0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	0.52	5.00	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	89.6		15 (23) - 110 (138)	60%	SPK: 150
13127-88-3	Phenol-d6	72.4		15 (10) - 110 (134)	48%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.1		30 (67) - 130 (132)	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.9		30 (52) - 130 (132)	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	151		15 (44) - 110 (137)	101%	SPK: 150
1718-51-0	Terphenyl-d14	85.7		30 (42) - 130 (152)	86%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	171000	7.778			
1146-65-2	Naphthalene-d8	720000	10.543			
15067-26-2	Acenaphthene-d10	488000	14.389			
1517-22-2	Phenanthrene-d10	1040000	17.189			
1719-03-5	Chrysene-d12	1090000	21.63			
1520-96-3	Perylene-d12	1180000	24.989			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	75.2	J		3.03	ug/L
	unknown3.072	3.40	J		3.07	ug/L
000870-63-3	2-Butene, 1-bromo-3-methyl-	2.80	J		4.25	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	8.30	AB		4.94	ug/L
000119-61-9	Benzophenone	8.30	J		15.8	ug/L
000057-10-3	n-Hexadecanoic acid	16.1	J		18.1	ug/L
000057-11-4	Octadecanoic acid	5.30	J		19.5	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW03	SDG No.:	Q2934
Lab Sample ID:	Q2934-03	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025555.D	1	08/22/25 10:34	08/22/25 19:02	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
002136-70-1	Ethanol, 2-(tetradecyloxy)-	5.80	J		21.3	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

Quant Time: Aug 25 01:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	170537	20.000	ng	-0.02
21) Naphthalene-d8	10.543	136	719655	20.000	ng	-0.02
39) Acenaphthene-d10	14.389	164	487572	20.000	ng	-0.02
64) Phenanthrene-d10	17.189	188	1036598	20.000	ng	#-0.01
76) Chrysene-d12	21.630	240	1087225	20.000	ng	-0.02
86) Perylene-d12	24.989	264	1183123	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	919717	89.563	ng	0.00
7) Phenol-d6	6.960	99	953264	72.405	ng	0.00
23) Nitrobenzene-d5	8.913	82	1281998	90.113	ng	-0.02
42) 2,4,6-Tribromophenol	15.907	330	993021	151.311	ng	0.00
45) 2-Fluorobiphenyl	13.001	172	2852203	79.948	ng	-0.02
79) Terphenyl-d14	19.913	244	5090800	85.668	ng	0.00

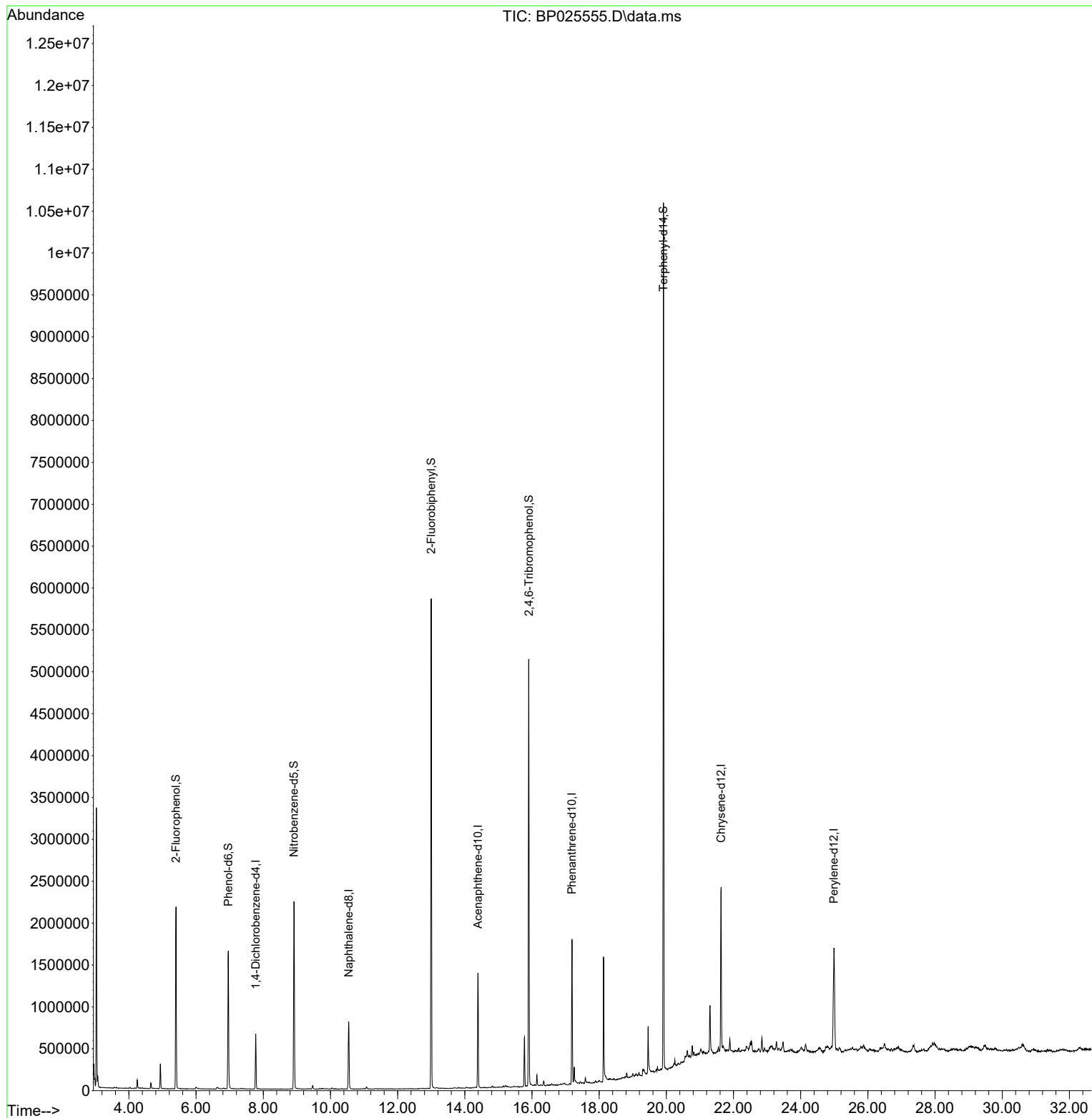
Target Compounds	Qvalue

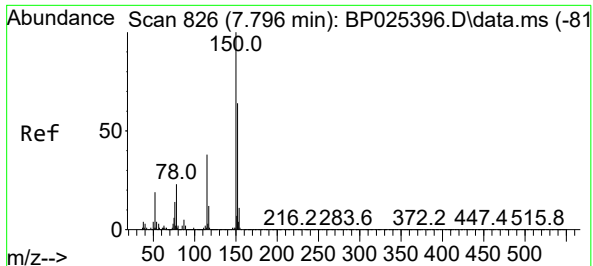
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

Quant Time: Aug 25 01:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

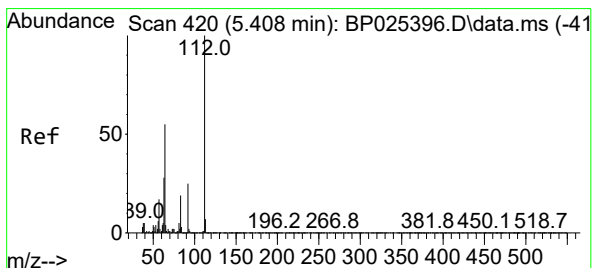
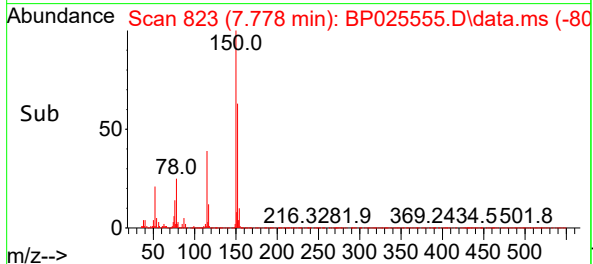
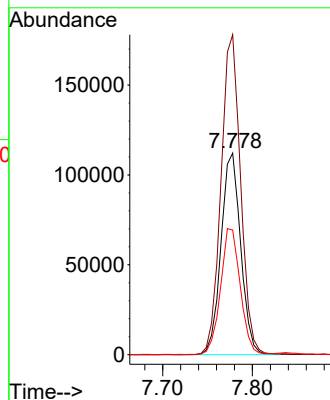
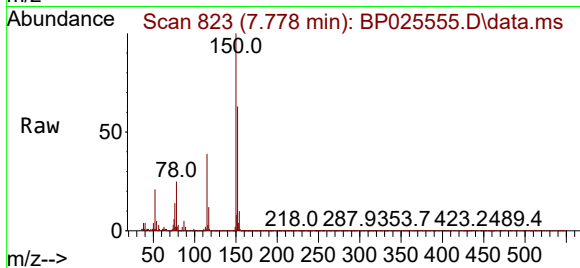




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.778 min Scan# 81
Delta R.T. -0.018 min
Lab File: BP025555.D
Acq: 22 Aug 2025 19:02

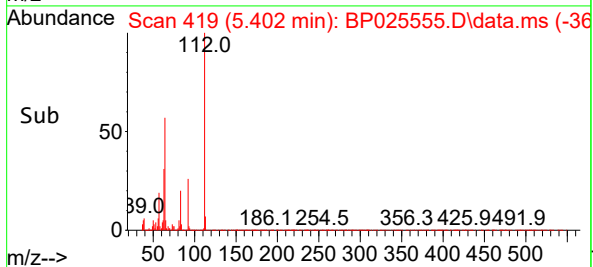
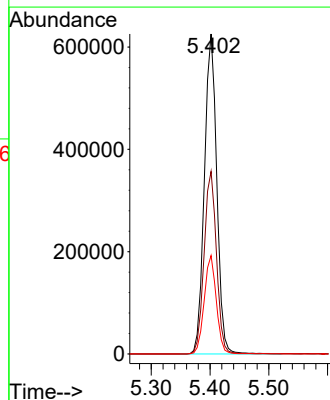
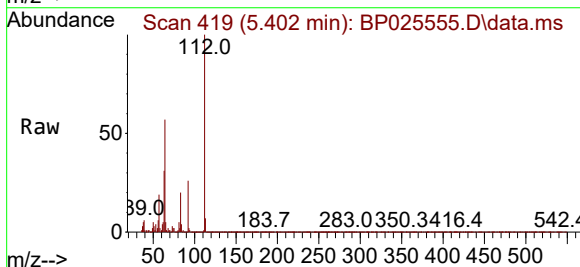
Instrument :
BNA_P
ClientSampleId :
ENV-SW03

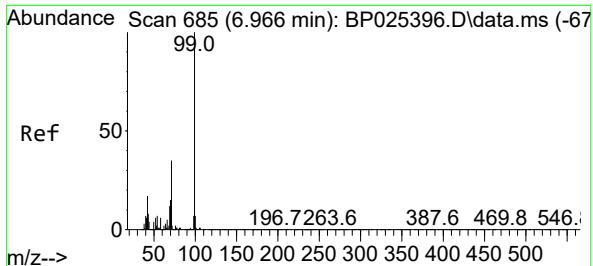
Tgt Ion:152 Resp: 170537
Ion Ratio Lower Upper
152 100
150 158.7 125.9 188.9
115 61.8 48.5 72.7



#5
2-Fluorophenol
Concen: 89.563 ng
RT: 5.402 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025555.D
Acq: 22 Aug 2025 19:02

Tgt Ion:112 Resp: 919717
Ion Ratio Lower Upper
112 100
64 57.0 43.8 65.8
63 30.7 22.7 34.1

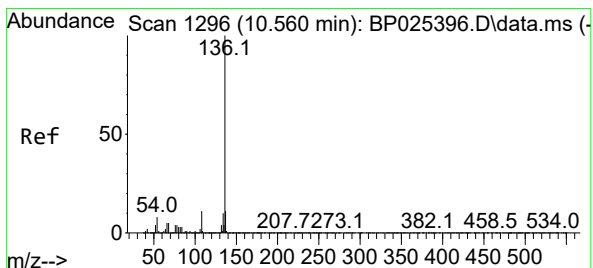
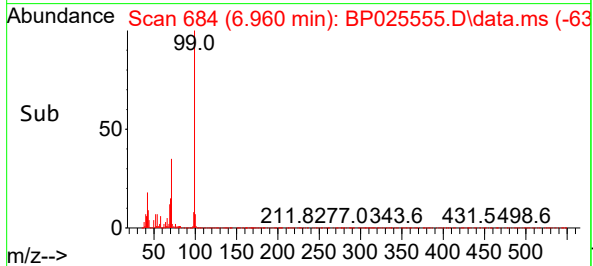
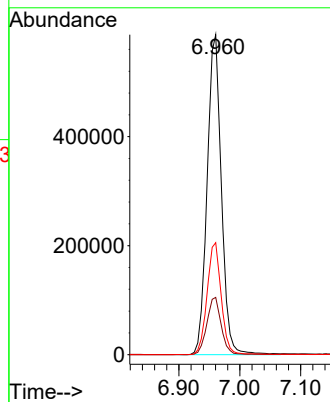
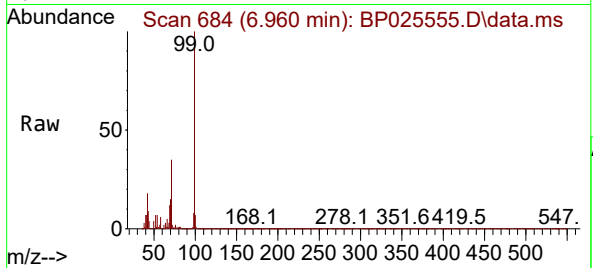




#7
Phenol-d6
Concen: 72.405 ng
RT: 6.960 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025555.D
Acq: 22 Aug 2025 19:02

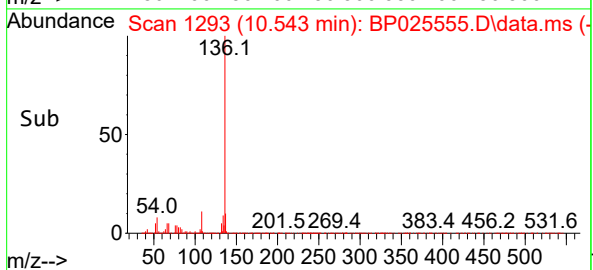
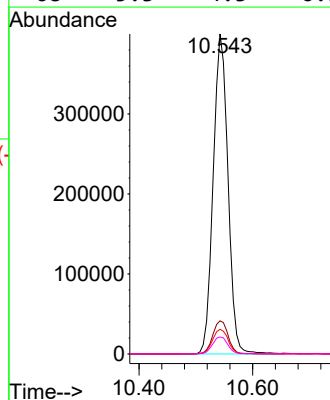
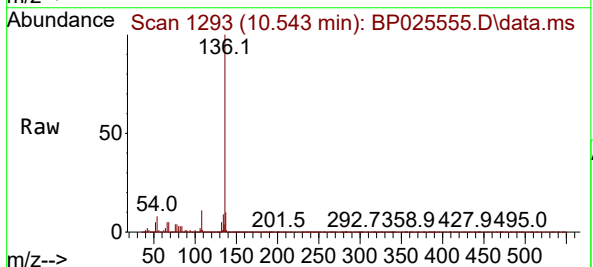
Instrument :
BNA_P
ClientSampleId :
ENV-SW03

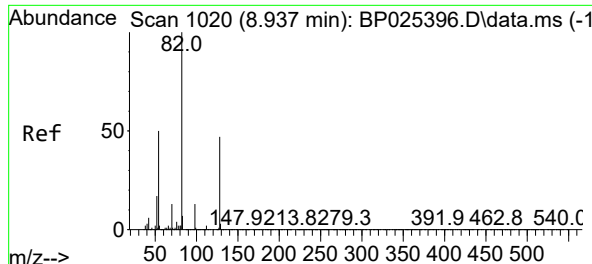
Tgt Ion: 99 Resp: 953264
Ion Ratio Lower Upper
99 100
42 17.9 13.7 20.5
71 35.0 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.543 min Scan# 1293
Delta R.T. -0.018 min
Lab File: BP025555.D
Acq: 22 Aug 2025 19:02

Tgt Ion: 136 Resp: 719655
Ion Ratio Lower Upper
136 100
137 10.4 9.2 13.8
54 7.7 6.0 9.0
68 5.3 4.3 6.5





#23

Nitrobenzene-d5

Concen: 90.113 ng

RT: 8.913 min Scan# 1016

Delta R.T. -0.024 min

Lab File: BP025555.D

Acq: 22 Aug 2025 19:02

Instrument :

BNA_P

ClientSampleId :

ENV-SW03

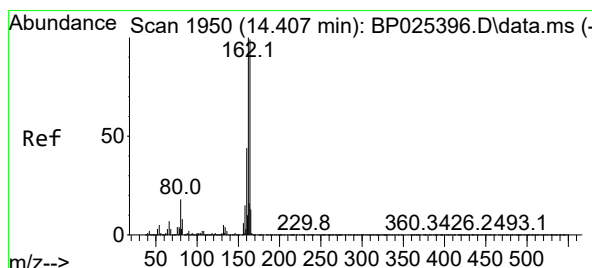
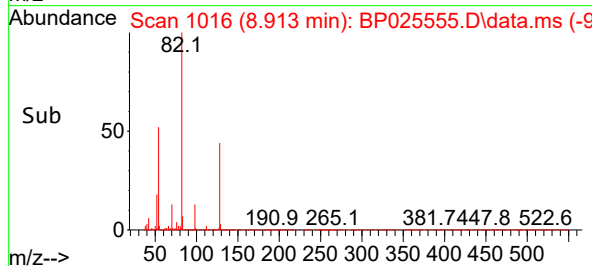
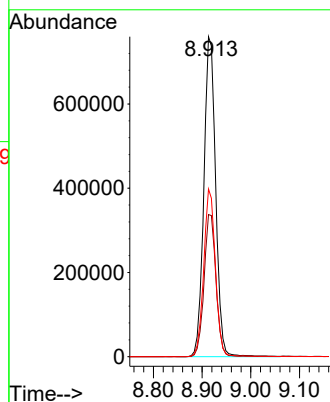
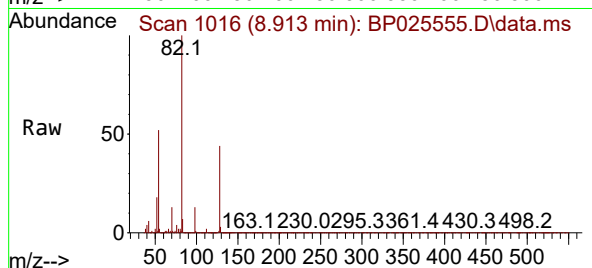
Tgt Ion: 82 Resp: 1281998

Ion Ratio Lower Upper

82 100

128 44.4 37.7 56.5

54 52.4 39.8 59.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.389 min Scan# 1947

Delta R.T. -0.018 min

Lab File: BP025555.D

Acq: 22 Aug 2025 19:02

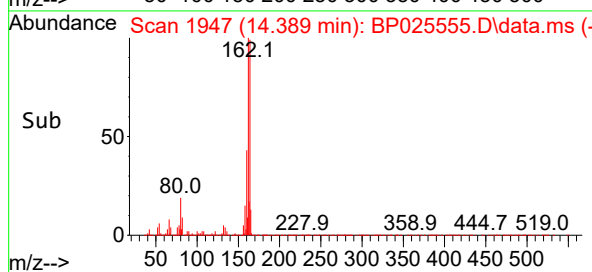
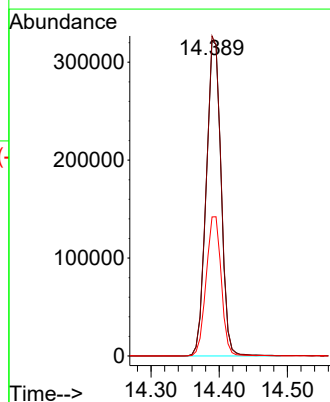
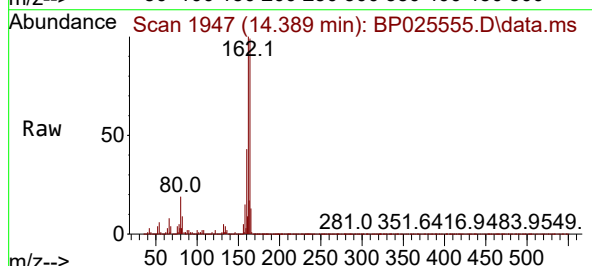
Tgt Ion: 164 Resp: 487572

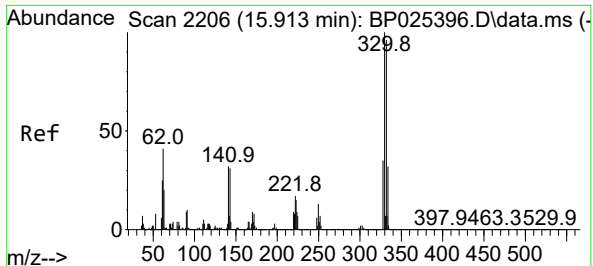
Ion Ratio Lower Upper

164 100

162 101.5 81.0 121.6

160 44.1 35.4 53.2

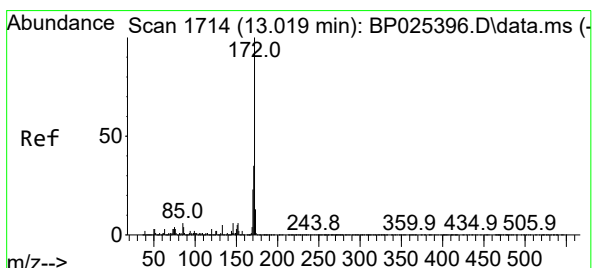
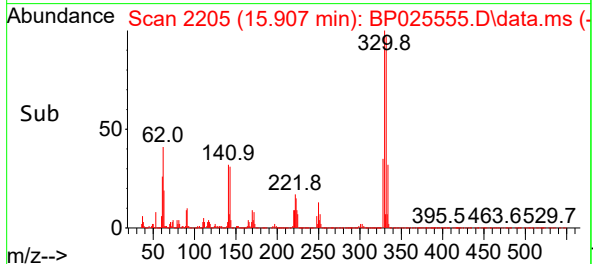
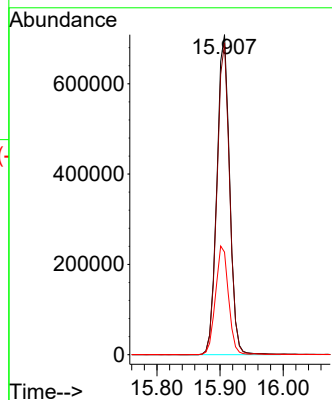
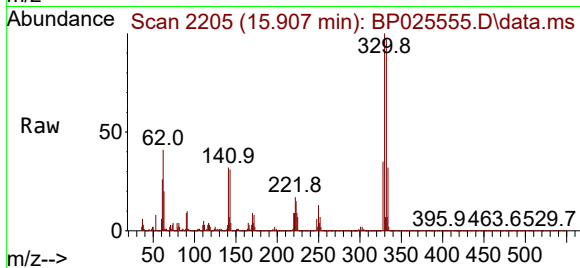




#42
2,4,6-Tribromophenol
Concen: 151.311 ng
RT: 15.907 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025555.D
Acq: 22 Aug 2025 19:02

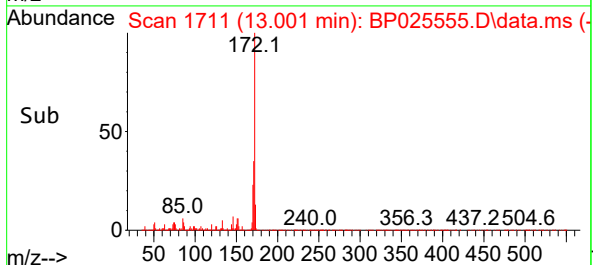
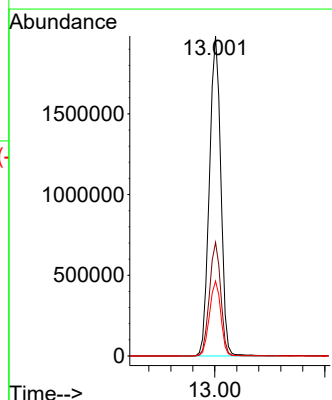
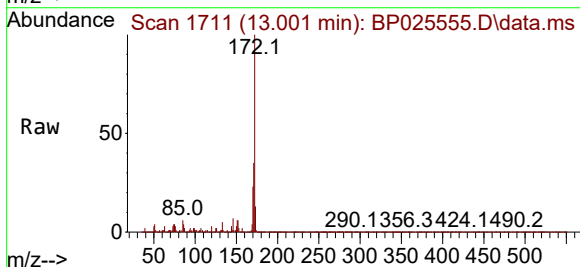
Instrument :
BNA_P
ClientSampleId :
ENV-SW03

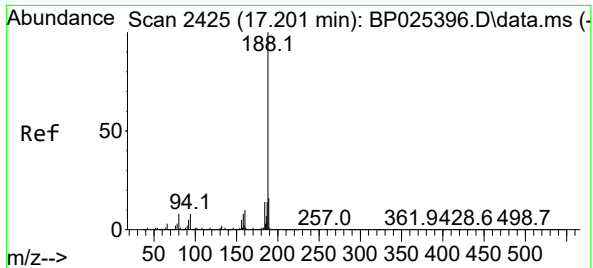
Tgt Ion:330 Resp: 993021
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 34.8 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 79.948 ng
RT: 13.001 min Scan# 1711
Delta R.T. -0.018 min
Lab File: BP025555.D
Acq: 22 Aug 2025 19:02

Tgt Ion:172 Resp: 2852203
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 23.4 18.6 28.0

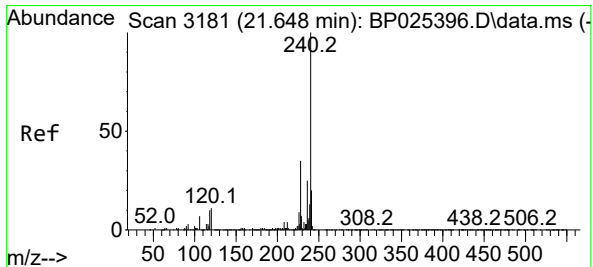
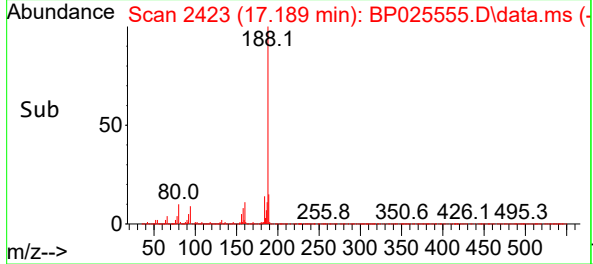
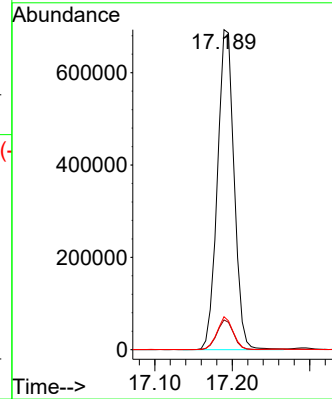
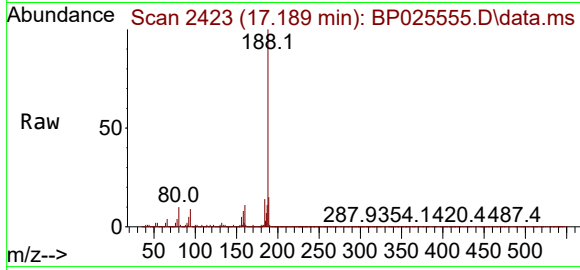




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2425
Delta R.T. -0.012 min
Lab File: BP025555.D
Acq: 22 Aug 2025 19:02

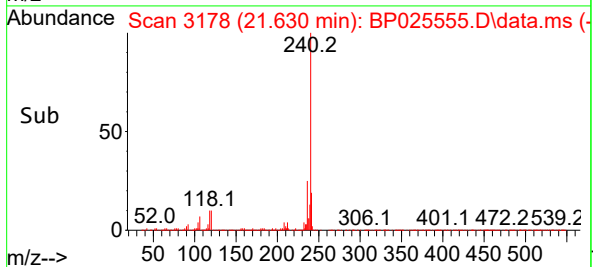
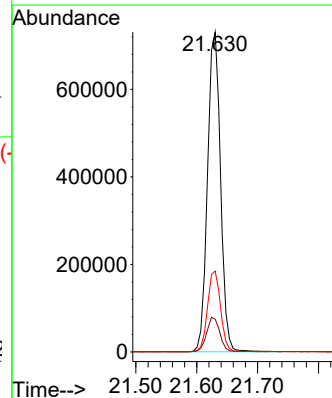
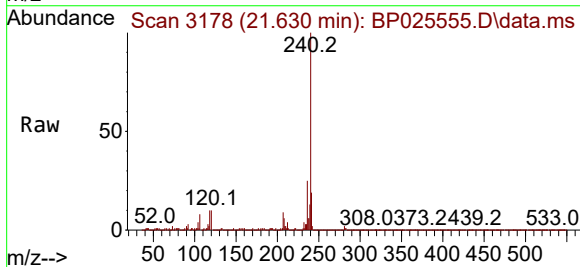
Instrument :
BNA_P
ClientSampleId :
ENV-SW03

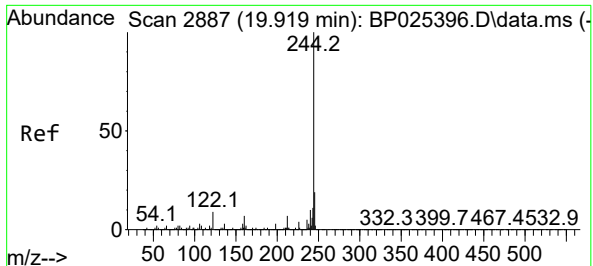
Tgt Ion:188 Resp: 1036598
Ion Ratio Lower Upper
188 100
94 9.3 6.6 10.0
80 10.3 6.7 10.1#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.018 min
Lab File: BP025555.D
Acq: 22 Aug 2025 19:02

Tgt Ion:240 Resp: 1087225
Ion Ratio Lower Upper
240 100
120 10.3 8.9 13.3
236 25.3 19.8 29.8

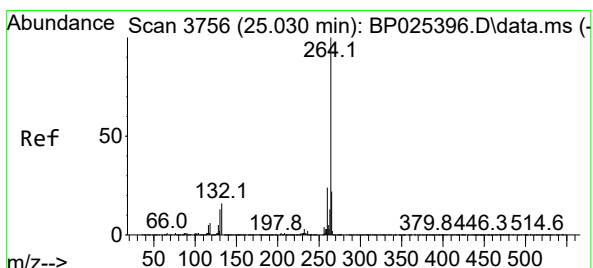
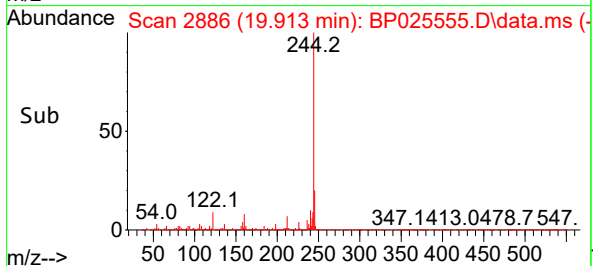
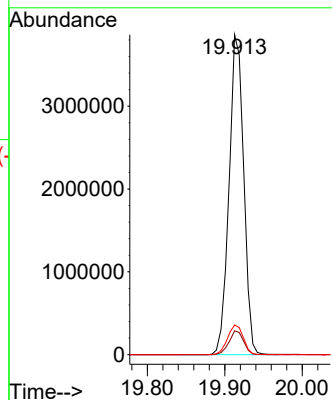
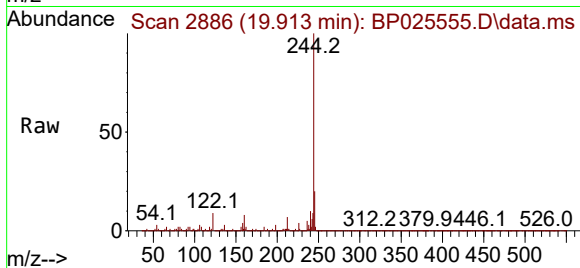




#79
 Terphenyl-d14
 Concen: 85.668 ng
 RT: 19.913 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP025555.D
 Acq: 22 Aug 2025 19:02

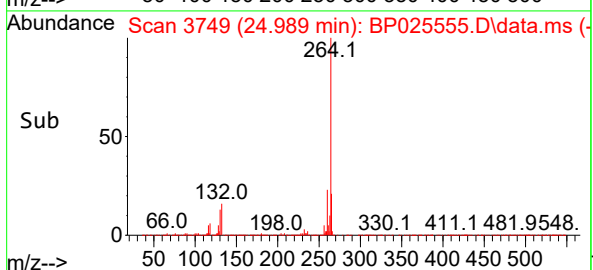
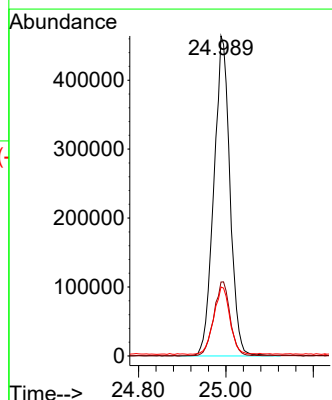
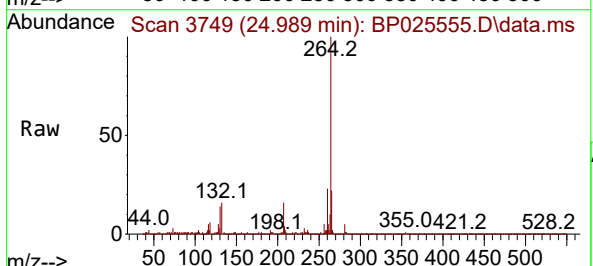
Instrument :
 BNA_P
 ClientSampleId :
 ENV-SW03

Tgt Ion:244 Resp: 5090800
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.6
 122 9.3 7.4 11.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.989 min Scan# 3749
 Delta R.T. -0.041 min
 Lab File: BP025555.D
 Acq: 22 Aug 2025 19:02

Tgt Ion:264 Resp: 1183123
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.3 28.9
 265 21.6 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
 Data File : BP025555.D
 Acq On : 22 Aug 2025 19:02
 Operator : CG/JU
 Sample : Q2934-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ENV-SW03

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025555.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.031	12	16	21	rBV	3323573	3780963	27.30%	6.072%
2	3.072	21	23	33	rVB	129456	171055	1.24%	0.275%
3	4.249	218	223	230	rBV	100957	141940	1.02%	0.228%
4	4.937	334	340	347	rBV	297903	415863	3.00%	0.668%
5	5.402	412	419	428	rBV	2171542	3166552	22.87%	5.085%
6	6.960	677	684	699	rBV	1644692	2705277	19.54%	4.344%
7	7.778	816	823	830	rBV	656979	1005316	7.26%	1.614%
8	8.913	1008	1016	1029	rBV	2238111	3787708	27.35%	6.083%
9	10.543	1285	1293	1309	rBV	806140	1483103	10.71%	2.382%
10	13.001	1704	1711	1730	rBV	5847734	8381573	60.53%	13.460%
11	14.389	1941	1947	1957	rBV	1366236	2063884	14.90%	3.314%
12	15.778	2177	2183	2189	rBV	595267	859409	6.21%	1.380%
13	15.901	2198	2204	2215	rBV	5091616	7515827	54.27%	12.070%
14	16.148	2241	2246	2255	rVB	128024	184081	1.33%	0.296%
15	17.189	2417	2423	2430	rBV	1732110	2614422	18.88%	4.198%
16	17.260	2430	2435	2439	rVV2	180572	230845	1.67%	0.371%
17	18.130	2578	2583	2594	rBV	1494674	2098186	15.15%	3.369%
18	19.460	2805	2809	2820	rBV	550366	790999	5.71%	1.270%
19	19.913	2880	2886	2899	rVB	10341737	13847919	100.00%	22.238%
20	21.301	3117	3122	3128	rBV	536235	866354	6.26%	1.391%
21	21.630	3172	3178	3185	rBV2	1940715	2981871	21.53%	4.789%
22	24.989	3742	3749	3760	rVB	1216251	3177692	22.95%	5.103%

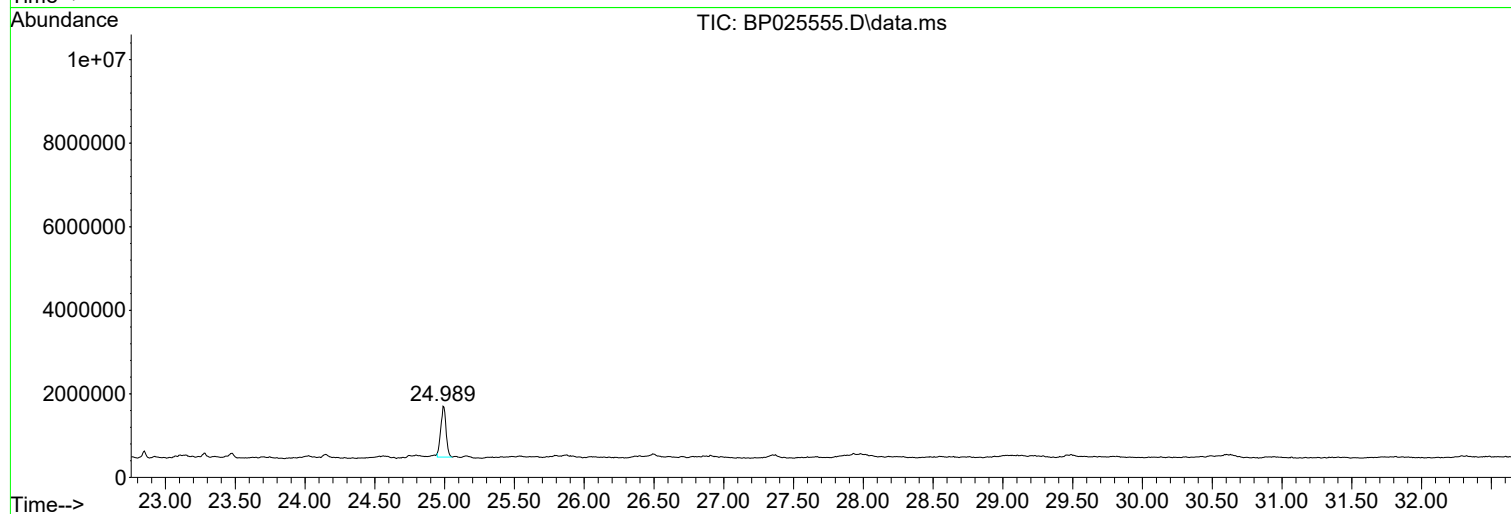
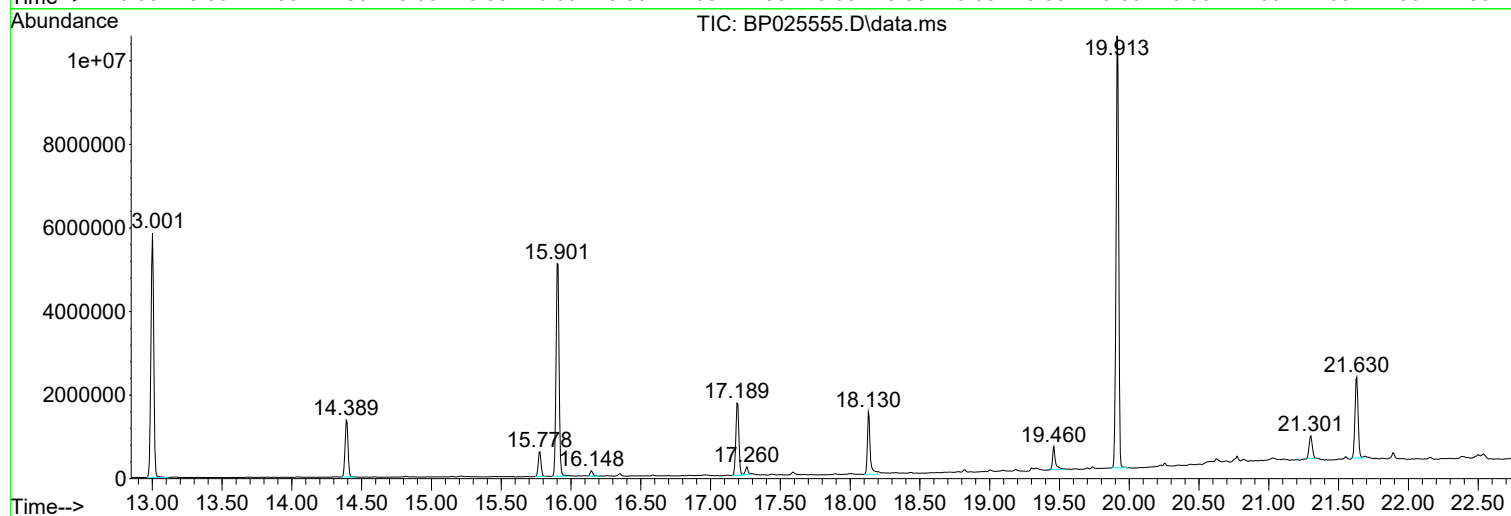
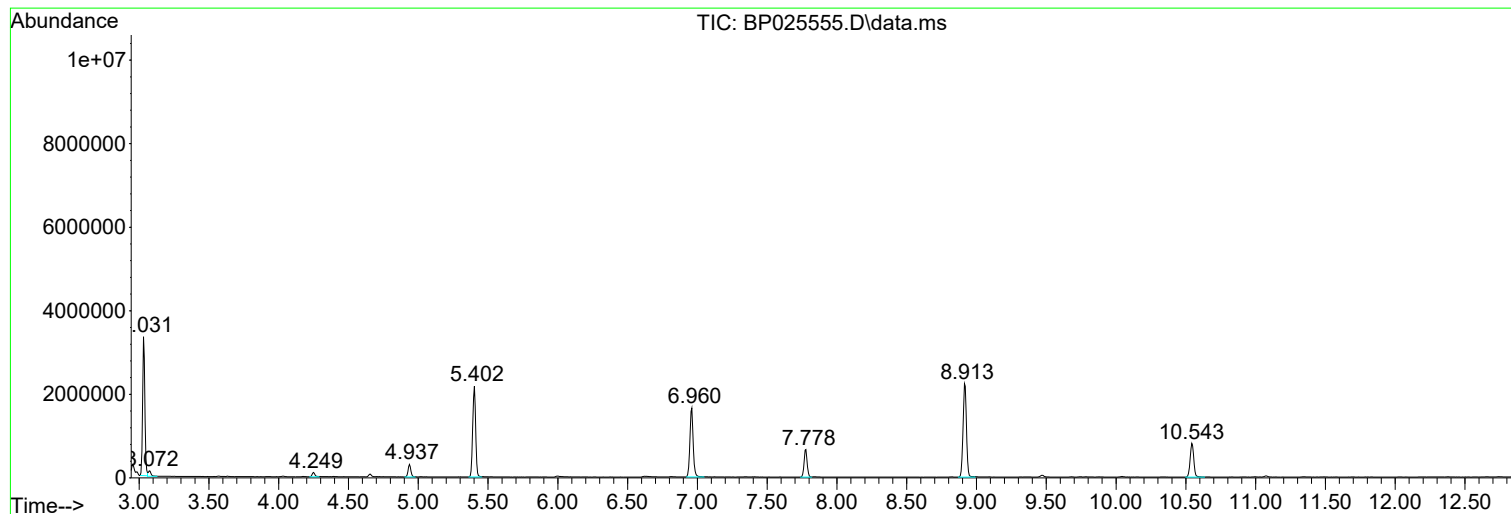
Sum of corrected areas: 62270839

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

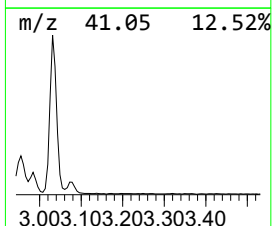
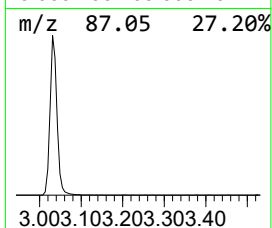
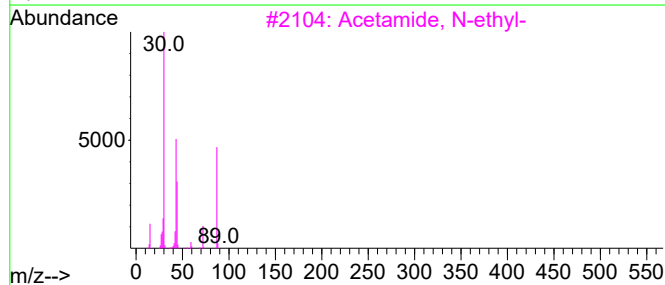
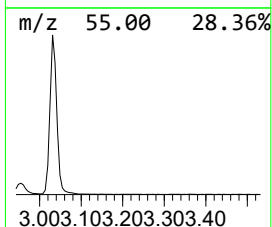
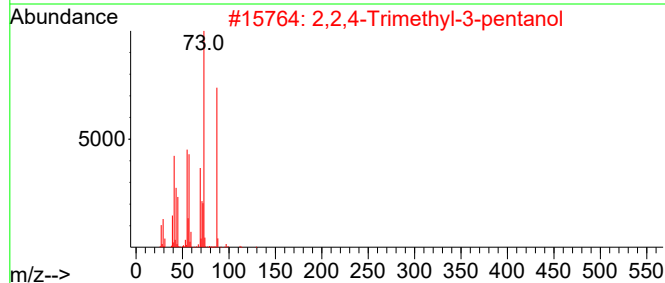
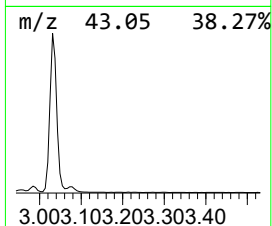
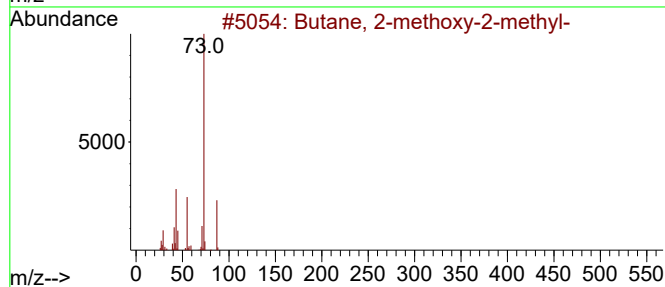
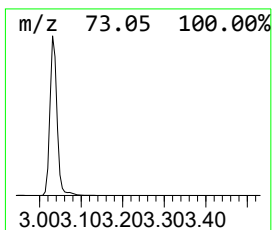
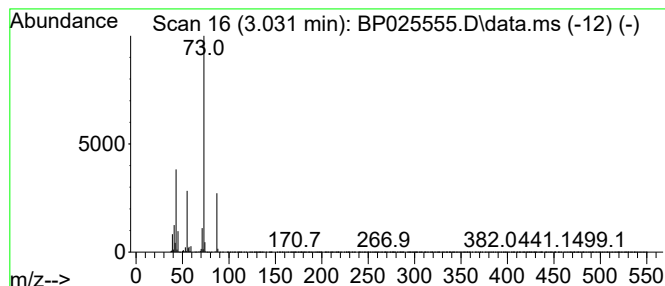
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.031	75.22 ng	3780960	1,4-Dichlorobenzene-d4	7.778

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
4			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

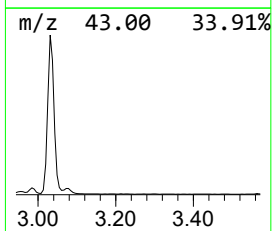
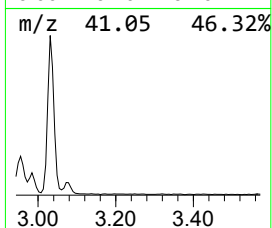
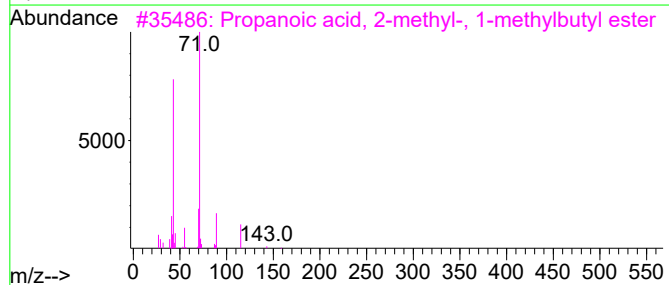
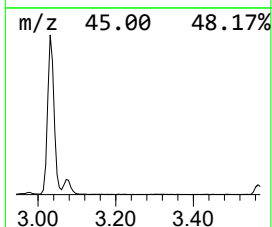
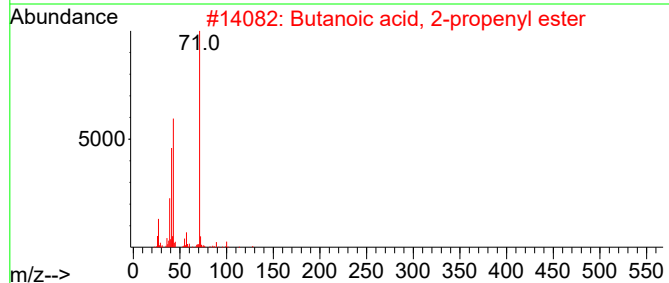
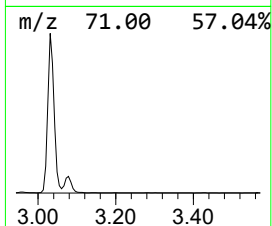
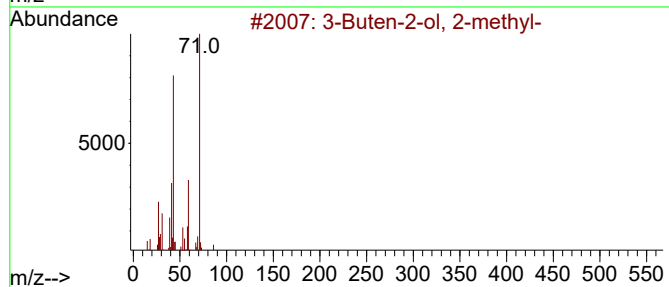
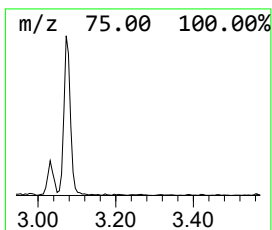
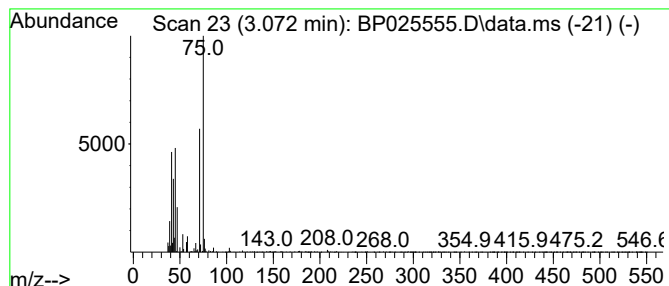
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown3.072 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.072	3.40 ng	171055	1,4-Dichlorobenzene-d4	7.778

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	10
2			Butanoic acid, 2-propenyl ester	128	C7H12O2	002051-78-7	10
3			Propanoic acid, 2-methyl-, 1-met...	158	C9H18O2	054340-93-1	9
4			.+/-.-Tetrahydro-3-furanmethanol	102	C5H10O2	015833-61-1	9
5			Succinic acid, pentyl tetrahydro...	272	C14H24O5	1000329-86-3	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

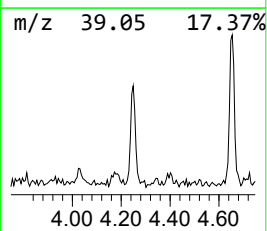
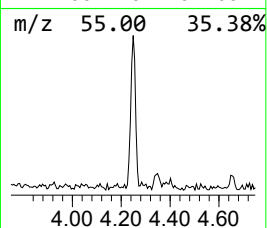
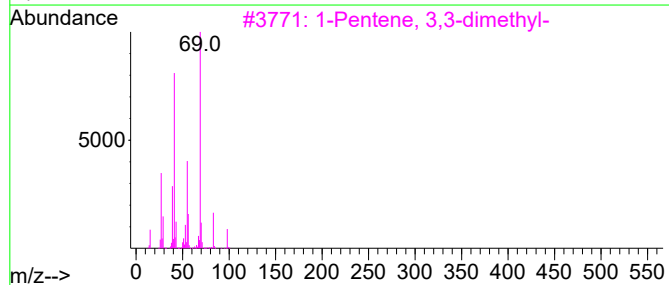
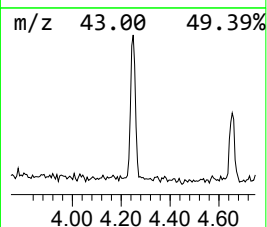
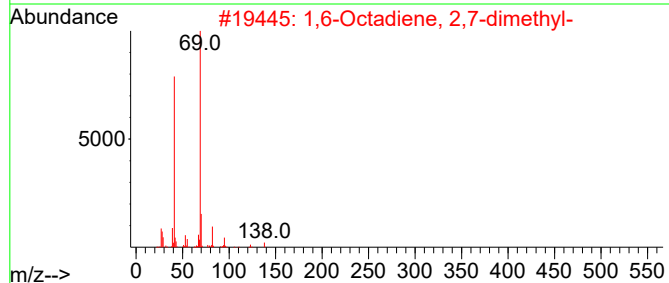
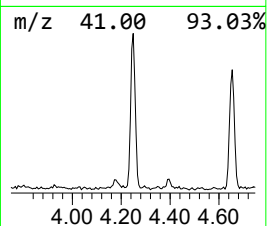
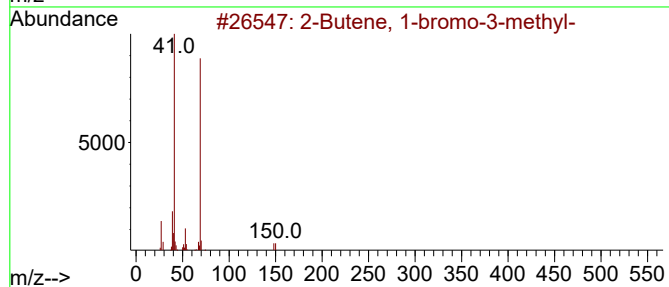
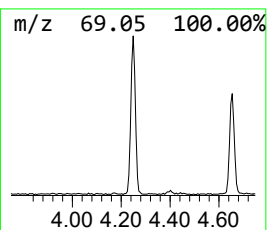
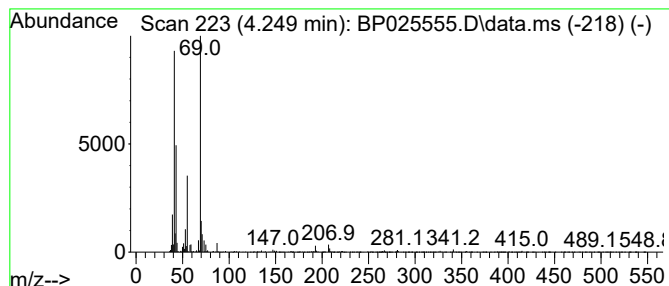
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 2-Butene, 1-bromo-3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.249	2.82 ng	141940	1,4-Dichlorobenzene-d4	7.778

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 1-bromo-3-methyl-	148	C5H9Br	000870-63-3	53		
2	1,6-Octadiene, 2,7-dimethyl-	138	C10H18	040195-09-3	45		
3	1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	45		
4	2-Butyn-1-ol	70	C4H6O	000764-01-2	45		
5	1-Butene, 3,3-dimethyl-	84	C6H12	000558-37-2	36		



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

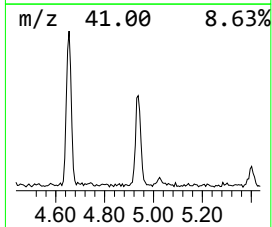
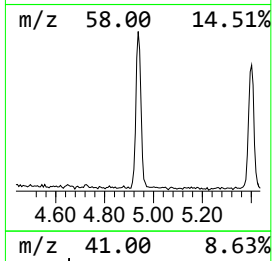
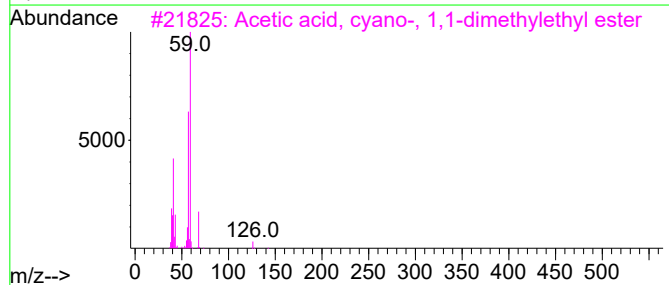
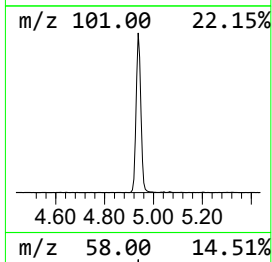
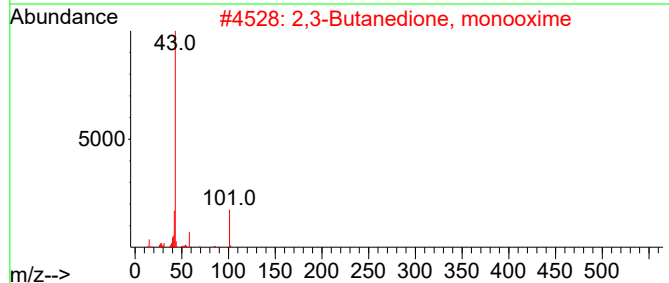
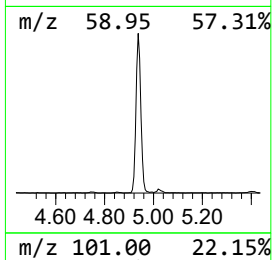
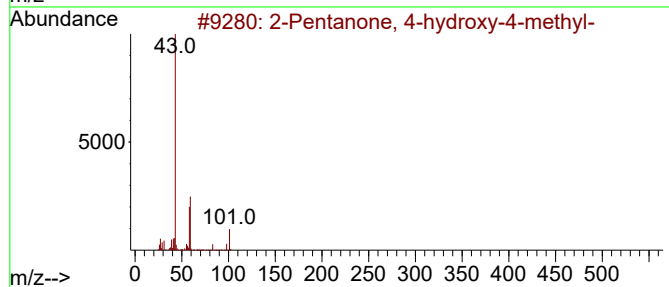
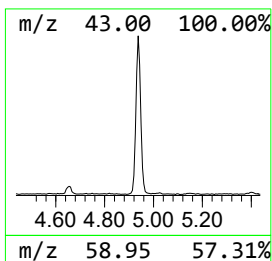
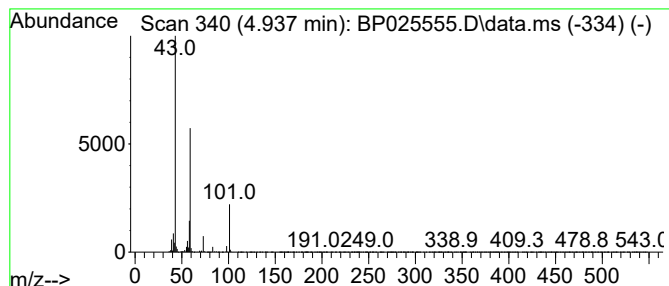
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.937	8.27 ng	415863	1,4-Dichlorobenzene-d4	7.778

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
3			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4			Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	17
5			Formamide, N,N-diethyl-	101	C5H11NO	000617-84-5	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

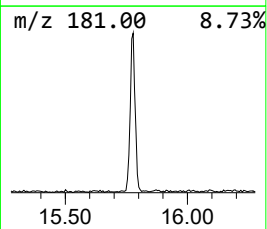
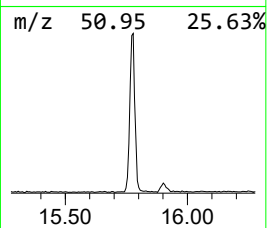
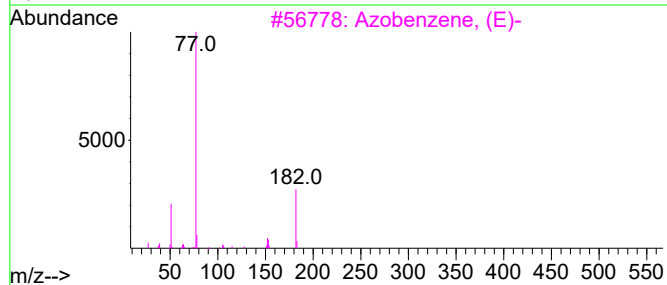
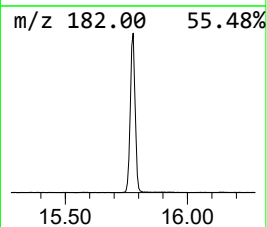
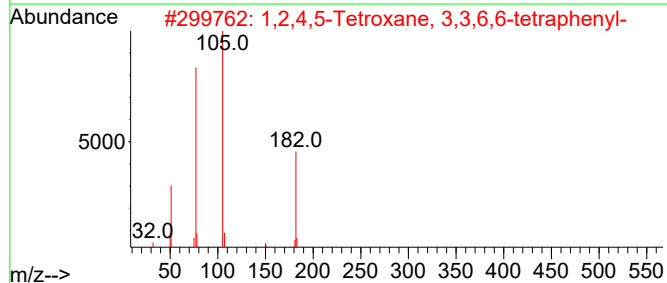
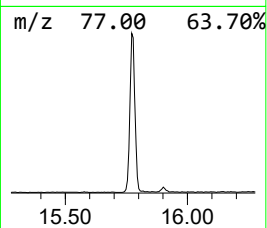
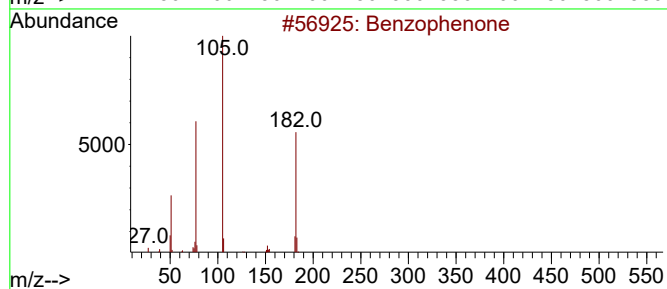
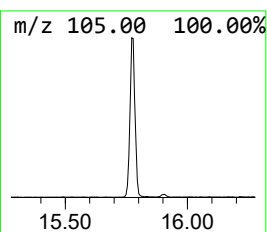
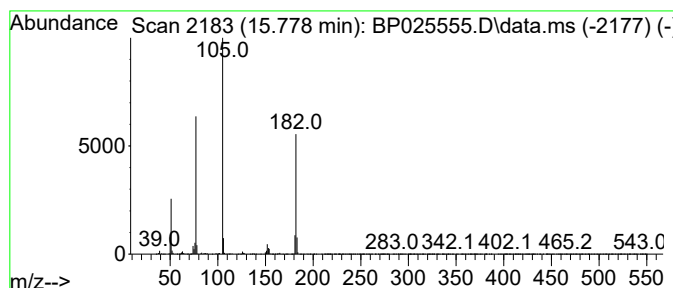
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.778	8.33 ng	859409	Acenaphthene-d10	14.389

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3			Azobenzene, (E)-	182	C12H10N2	017082-12-1	59
4			Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	56
5			Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

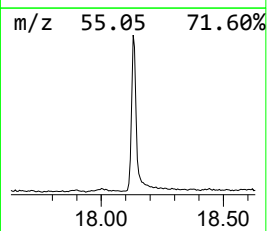
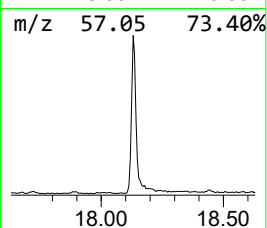
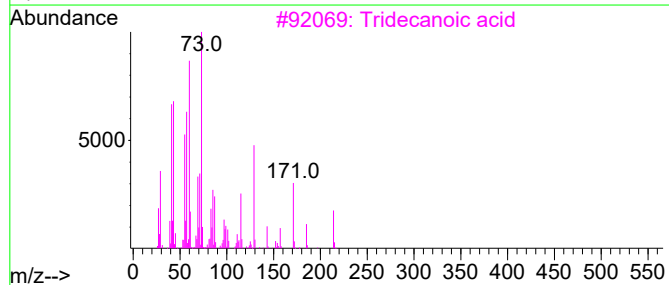
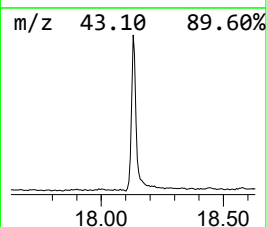
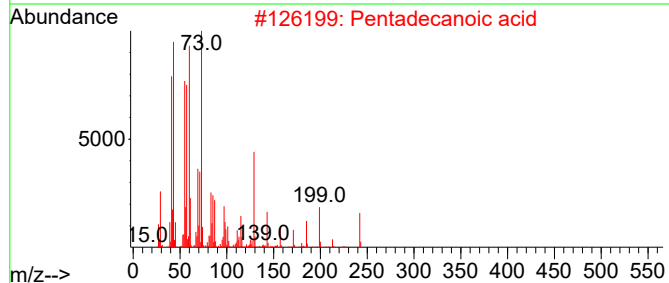
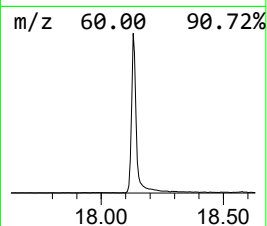
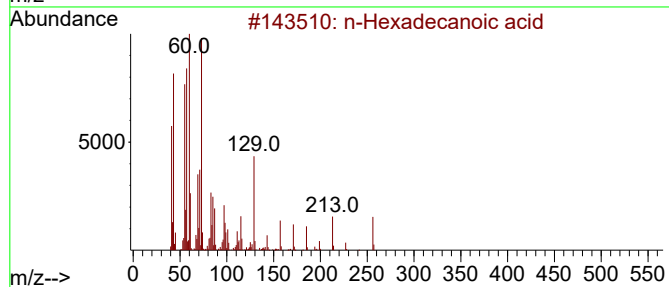
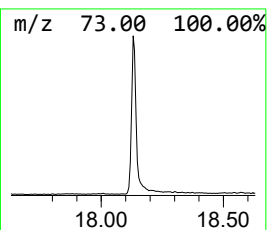
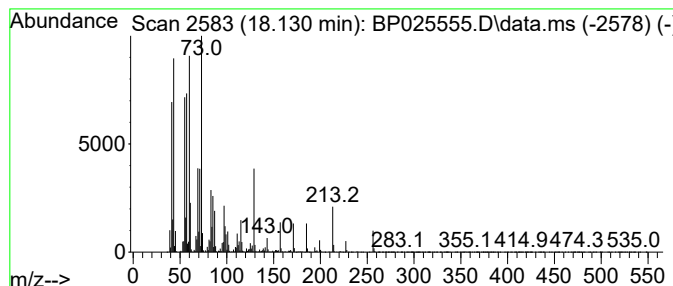
Instrument :
BNA_P
ClientSampleId :
ENV-SW03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.130	16.05 ng	2098190	Phenanthrene-d10	17.189	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	Tridecanoic acid	214	C13H26O2	000638-53-9	92
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	n-Decanoic acid	172	C10H20O2	000334-48-5	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

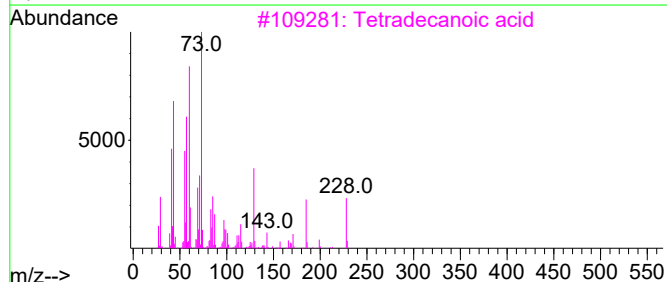
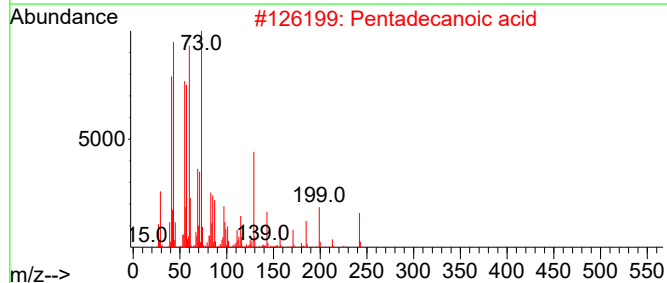
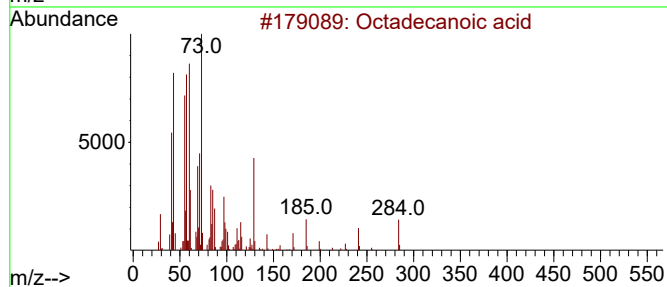
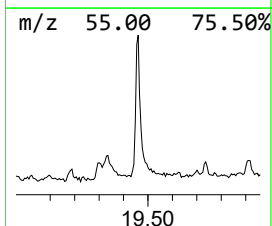
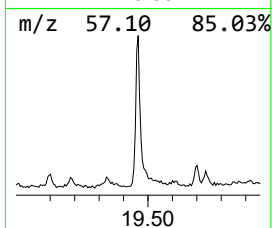
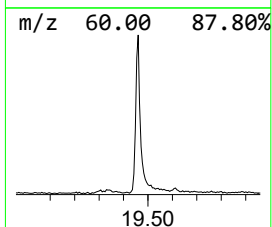
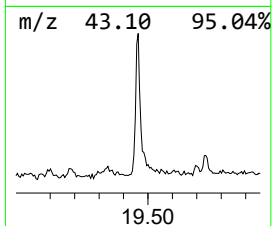
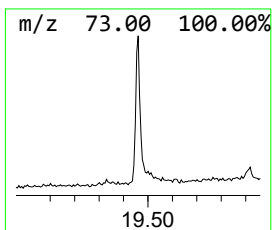
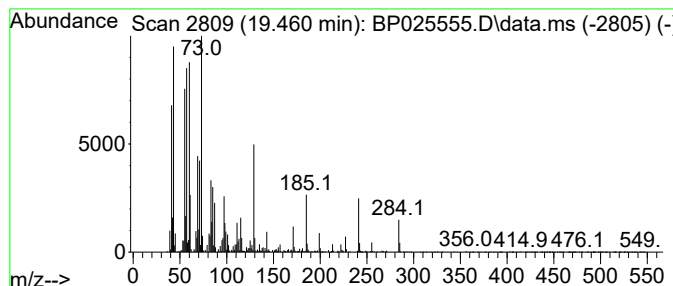
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Octadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.460	5.31 ng	790999	Chrysene-d12	21.630

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	99
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3			Tetradecanoic acid	228	C14H28O2	000544-63-8	87
4			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83
5			n-Decanoic acid	172	C10H20O2	000334-48-5	62



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

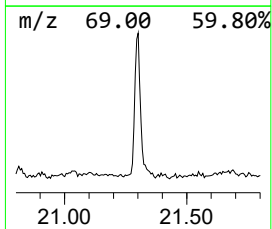
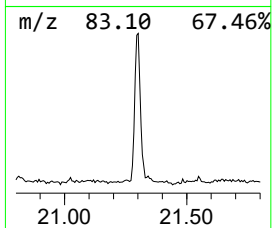
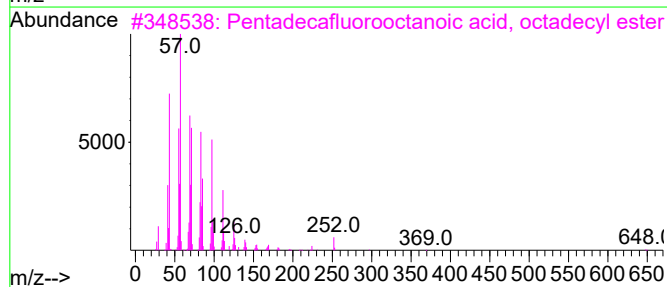
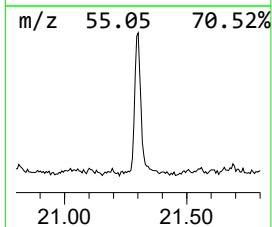
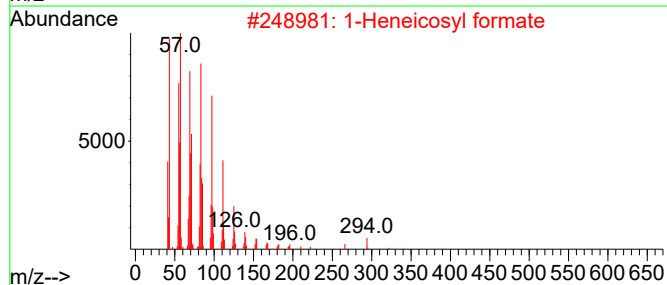
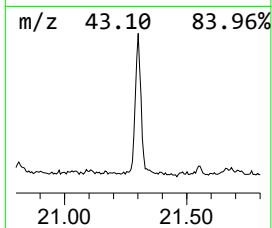
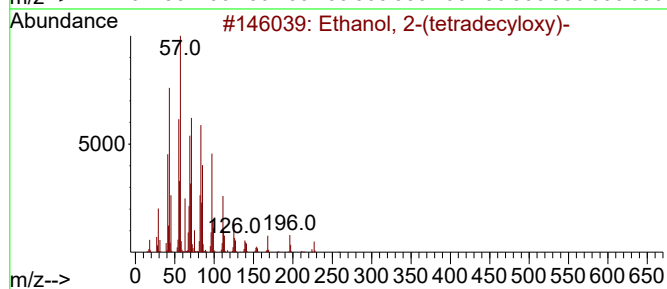
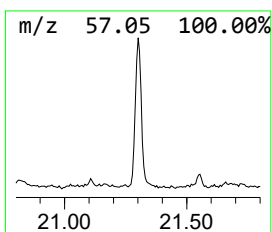
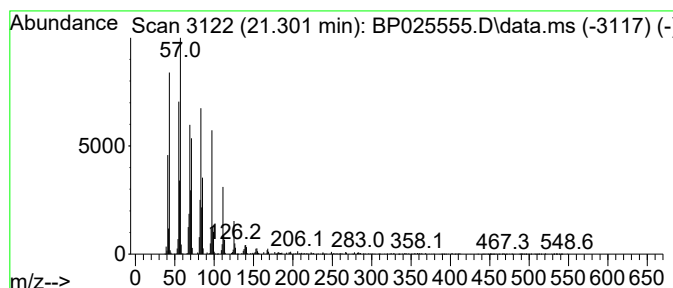
Instrument :
BNA_P
ClientSampleId :
ENV-SW03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Ethanol, 2-(tetradecyloxy)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
21.301	5.81 ng	866354	Chrysene-d12	21.630	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	95
2	1-Heneicosyl formate	340	C22H44O2	077899-03-7	94
3	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	94
4	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	93
5	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	3.031	75.2	ng	3780960	1	7.778	1005320	20.0
unknown3.072	3.072	3.4	ng	171055	1	7.778	1005320	20.0
2-Butene, 1-bro...	4.249	2.8	ng	141940	1	7.778	1005320	20.0
2-Pentanone, 4-...	4.937	8.3	ng	415863	1	7.778	1005320	20.0
Benzophenone	15.778	8.3	ng	859409	3	14.389	2063880	20.0
n-Hexadecanoic ...	18.130	16.1	ng	2098190	4	17.189	2614420	20.0
Octadecanoic acid	19.460	5.3	ng	790999	5	21.630	2981870	20.0
Ethanol, 2-(tet...	21.301	5.8	ng	866354	5	21.630	2981870	20.0

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW04	SDG No.:	Q2934
Lab Sample ID:	Q2934-04	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025556.D	1	08/22/25 10:34	08/22/25 19:43	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.0	ug/L
108-95-2	Phenol	0.91	U	0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.81	U	0.81	5.00	ug/L
95-57-8	2-Chlorophenol	0.58	U	0.58	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.00	ug/L
98-86-2	Acetophenone	0.74	U	0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.50	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
78-59-1	Isophorone	0.75	U	0.75	5.00	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.52	U	0.52	5.00	ug/L
91-20-3	Naphthalene	0.50	U	0.50	5.00	ug/L
106-47-8	4-Chloroaniline	0.84	UQ	0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
105-60-2	Caprolactam	1.10	U	1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.59	U	0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	0.56	U	0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	3.60	U	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	0.53	U	0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.61	U	0.61	5.00	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.00	ug/L
131-11-3	Dimethylphthalate	0.61	U	0.61	5.00	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW04	SDG No.:	Q2934
Lab Sample ID:	Q2934-04	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025556.D	1	08/22/25 10:34	08/22/25 19:43	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.75	U	0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	0.92	U	0.92	5.00	ug/L
99-09-2	3-Nitroaniline	1.10	UQ	1.10	5.00	ug/L
83-32-9	Acenaphthene	0.55	U	0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.00	U	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.0	ug/L
132-64-9	Dibenzofuran	0.61	U	0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
84-66-2	Diethylphthalate	0.69	U	0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.68	U	0.68	5.00	ug/L
86-73-7	Fluorene	0.63	U	0.63	5.00	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.58	U	0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.40	U	0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
85-01-8	Phenanthrene	0.50	U	0.50	5.00	ug/L
120-12-7	Anthracene	0.61	U	0.61	5.00	ug/L
86-74-8	Carbazole	0.72	U	0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.00	ug/L
206-44-0	Fluoranthene	0.82	U	0.82	5.00	ug/L
129-00-0	Pyrene	0.50	U	0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	1.90	U	1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	0.93	UQ	0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.45	U	0.45	5.00	ug/L
218-01-9	Chrysene	0.44	U	0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.30	U	2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	5.00	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW04	SDG No.:	Q2934
Lab Sample ID:	Q2934-04	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025556.D	1	08/22/25 10:34	08/22/25 19:43	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	0.55	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.67	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	0.69	U	0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	0.52	5.00	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	83.0		15 (23) - 110 (138)	55%	SPK: 150
13127-88-3	Phenol-d6	72.1		15 (10) - 110 (134)	48%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.8		30 (67) - 130 (132)	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.6		30 (52) - 130 (132)	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	133		15 (44) - 110 (137)	89%	SPK: 150
1718-51-0	Terphenyl-d14	75.1		30 (42) - 130 (152)	75%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	194000	7.778			
1146-65-2	Naphthalene-d8	812000	10.548			
15067-26-2	Acenaphthene-d10	530000	14.389			
1517-22-2	Phenanthrene-d10	1100000	17.189			
1719-03-5	Chrysene-d12	1090000	21.624			
1520-96-3	Perylene-d12	1210000	24.983			
TENTATIVE IDENTIFIED COMPOUNDS						
000814-78-8	3-Buten-2-one, 3-methyl-	4.10	J		2.98	ug/L
000994-05-8	Butane, 2-methoxy-2-methyl-	65.7	J		3.03	ug/L
	unknown3.078	4.80	J		3.08	ug/L
	unknown4.249	4.40	J		4.25	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.40	AB		4.94	ug/L
000119-61-9	Benzophenone	17.0	J		15.8	ug/L
000504-96-1	Neophytadiene	9.30	J		17.3	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW04	SDG No.:	Q2934
Lab Sample ID:	Q2934-04	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025556.D	1	08/22/25 10:34	08/22/25 19:43	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000057-10-3	n-Hexadecanoic acid	30.4	J		18.1	ug/L
053847-30-6	2-Arachidonoylglycerol	6.60	J		18.8	ug/L
000150-86-7	Phytol	4.60	J		19.2	ug/L
000463-40-1	9,12,15-Octadecatrienoic acid, (Z,	7.00	J		19.3	ug/L
000057-11-4	Octadecanoic acid	8.80	J		19.5	ug/L
007225-64-1	Heptadecane, 9-octyl-	3.90	J		20.8	ug/L
000297-03-0	Cyclotetracosane	16.9	J		21.3	ug/L
000646-31-1	Tetracosane	4.70	J		21.9	ug/L
055320-06-4	Heneicosane, 11-decyl-	5.20	J		22.5	ug/L
000593-45-3	Octadecane	3.90	J		23.3	ug/L
000111-02-4	Squalene	4.50	J		23.5	ug/L
003234-85-3	Myristyl myristate	17.7	J		24.8	ug/L
002599-01-1	Tetradecanoic acid, hexadecyl este	15.2	J		27.3	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

Quant Time: Aug 25 01:19:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	193608	20.000	ng	-0.02
21) Naphthalene-d8	10.548	136	812188	20.000	ng	-0.01
39) Acenaphthene-d10	14.389	164	530149	20.000	ng	-0.02
64) Phenanthrene-d10	17.189	188	1097906	20.000	ng	-0.01
76) Chrysene-d12	21.624	240	1088352	20.000	ng	-0.02
86) Perylene-d12	24.983	264	1208913	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	968050	83.036	ng	0.00
7) Phenol-d6	6.960	99	1078216	72.137	ng	0.00
23) Nitrobenzene-d5	8.919	82	1297900	80.837	ng	-0.02
42) 2,4,6-Tribromophenol	15.901	330	951215	133.301	ng	-0.01
45) 2-Fluorobiphenyl	13.001	172	2894400	74.615	ng	-0.02
79) Terphenyl-d14	19.913	244	4468794	75.123	ng	0.00

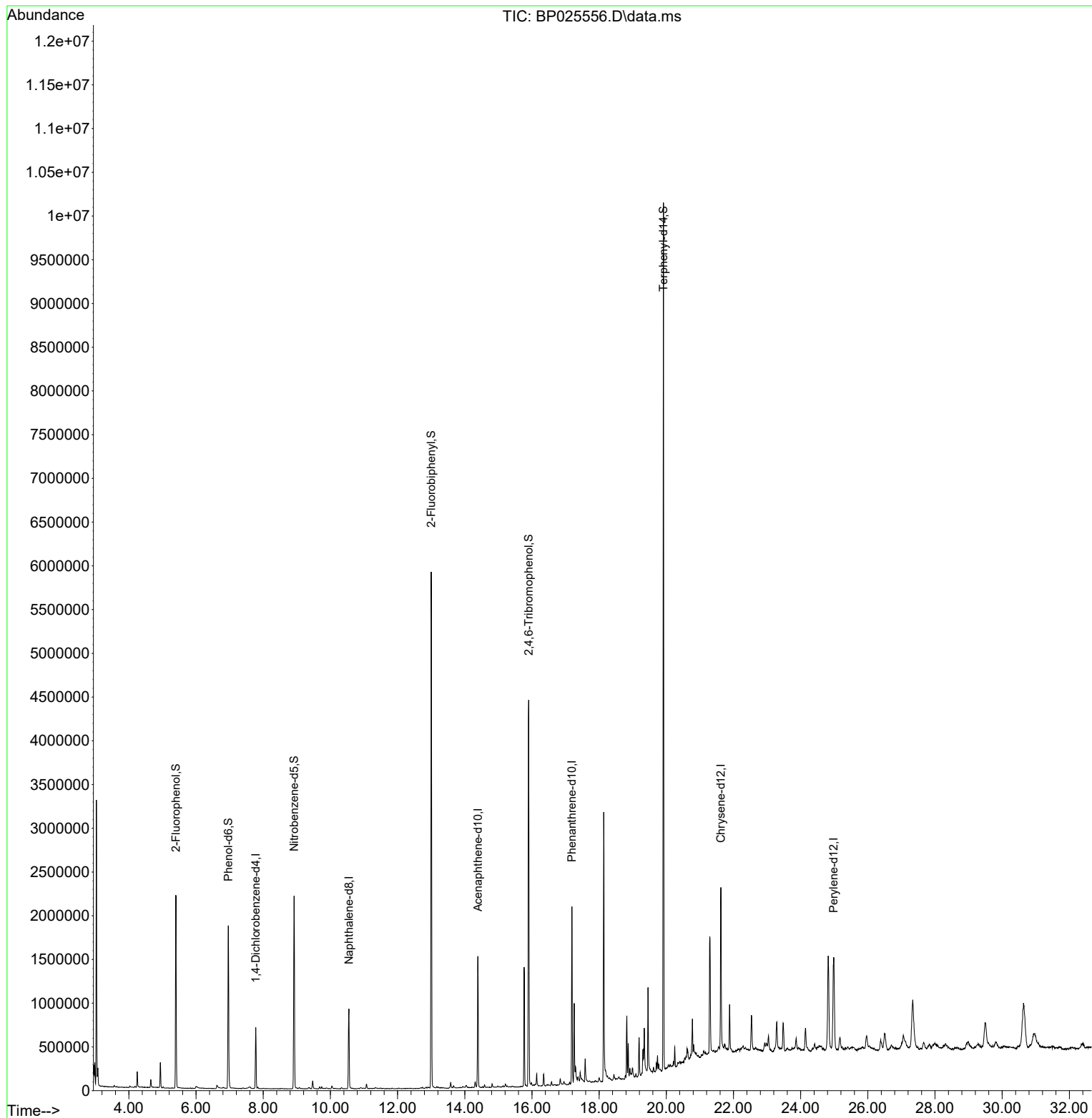
Target Compounds	Qvalue

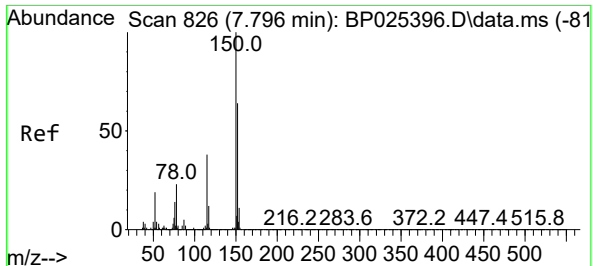
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

Quant Time: Aug 25 01:19:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

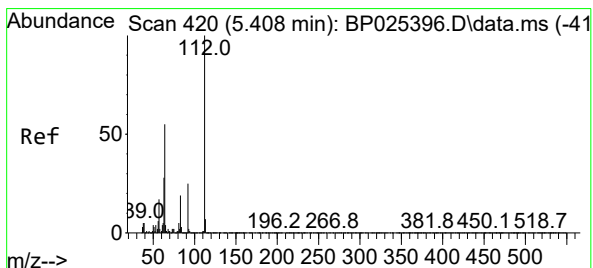
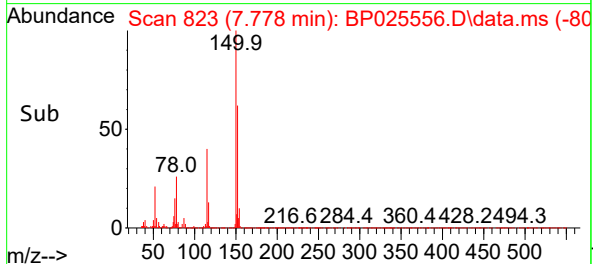
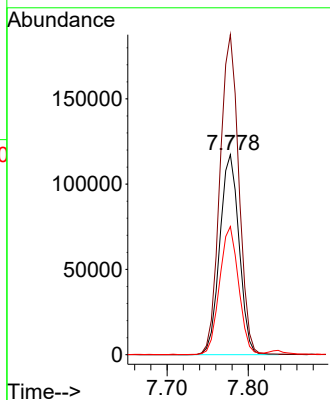
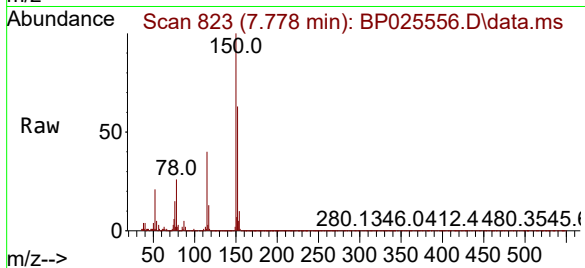




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.778 min Scan# 81
Delta R.T. -0.018 min
Lab File: BP025556.D
Acq: 22 Aug 2025 19:43

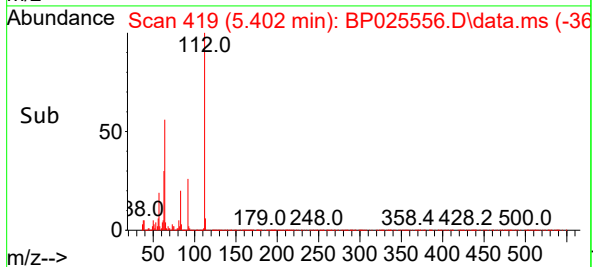
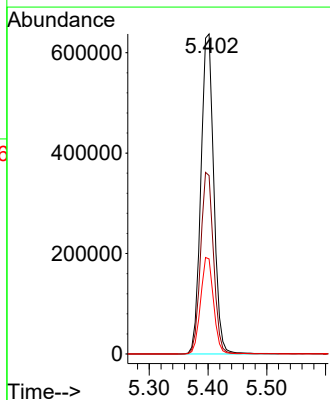
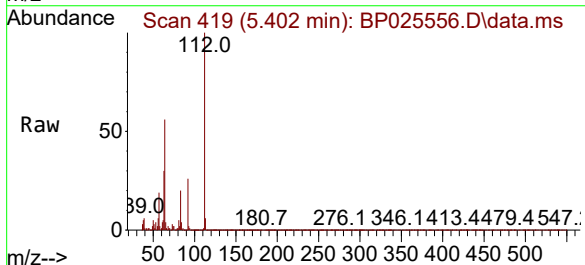
Instrument :
BNA_P
ClientSampleId :
ENV-SW04

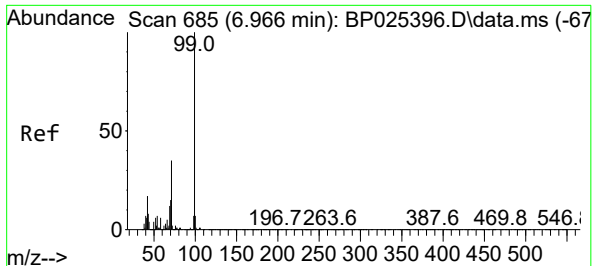
Tgt Ion:152 Resp: 193608
Ion Ratio Lower Upper
152 100
150 160.0 125.9 188.9
115 64.1 48.5 72.7



#5
2-Fluorophenol
Concen: 83.036 ng
RT: 5.402 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025556.D
Acq: 22 Aug 2025 19:43

Tgt Ion:112 Resp: 968050
Ion Ratio Lower Upper
112 100
64 55.7 43.8 65.8
63 29.7 22.7 34.1

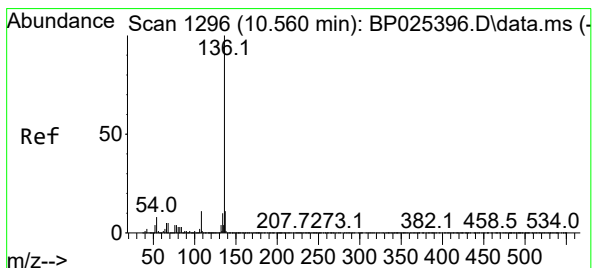
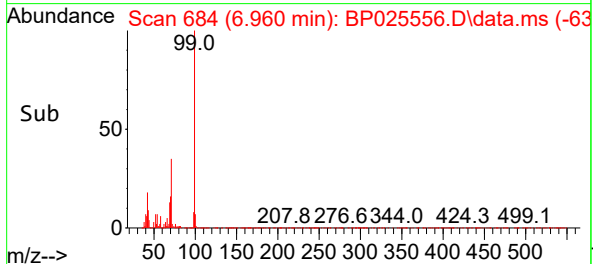
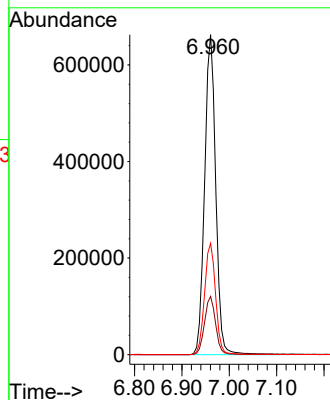
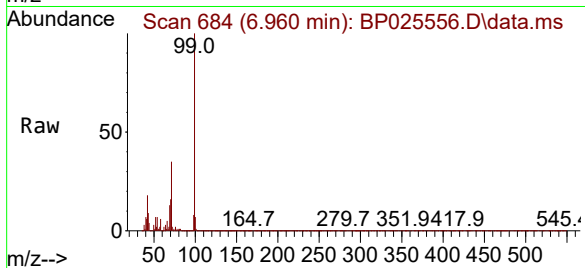




#7
Phenol-d6
Concen: 72.137 ng
RT: 6.960 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025556.D
Acq: 22 Aug 2025 19:43

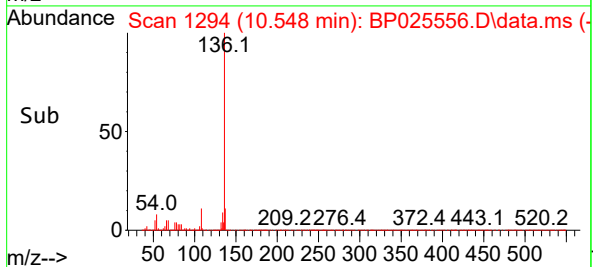
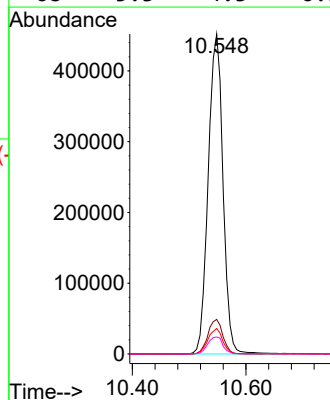
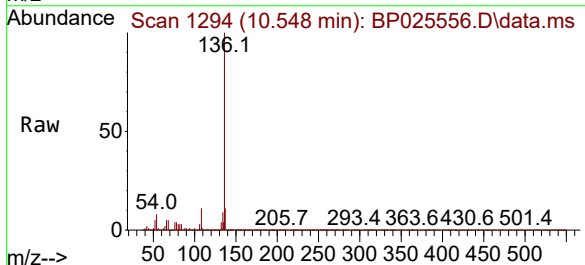
Instrument :
BNA_P
ClientSampleId :
ENV-SW04

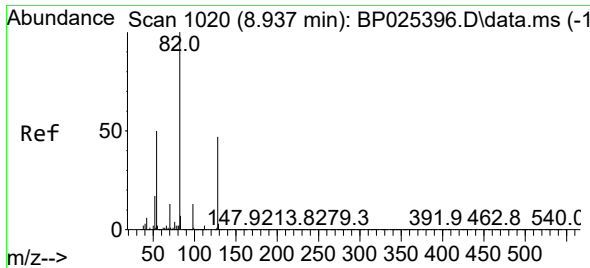
Tgt Ion: 99 Resp: 1078216
Ion Ratio Lower Upper
99 100
42 18.2 13.7 20.5
71 34.8 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.548 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BP025556.D
Acq: 22 Aug 2025 19:43

Tgt Ion: 136 Resp: 812188
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 7.9 6.0 9.0
68 5.3 4.3 6.5





#23

Nitrobenzene-d5

Concen: 80.837 ng

RT: 8.919 min Scan# 1020

Delta R.T. -0.018 min

Lab File: BP025556.D

Acq: 22 Aug 2025 19:43

Instrument :

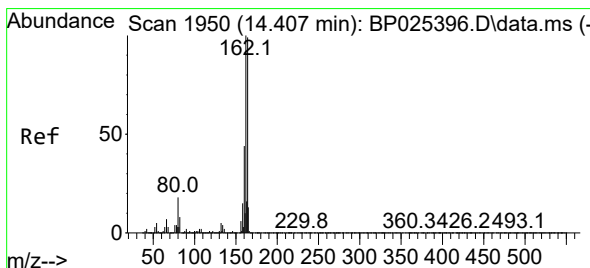
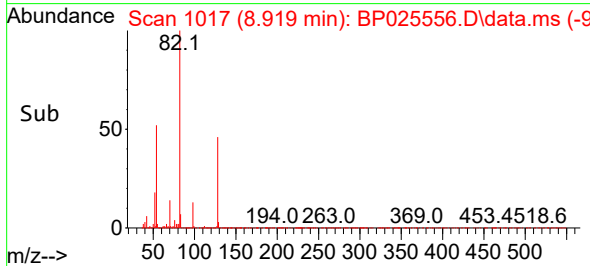
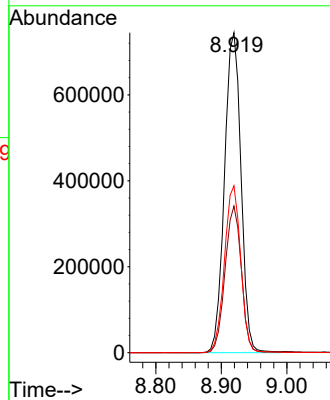
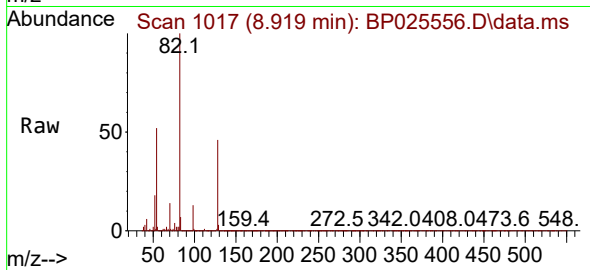
BNA_P

ClientSampleId :

ENV-SW04

Tgt Ion: 82 Resp: 1297900

Ion	Ratio	Lower	Upper
82	100		
128	45.8	37.7	56.5
54	52.1	39.8	59.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.389 min Scan# 1947

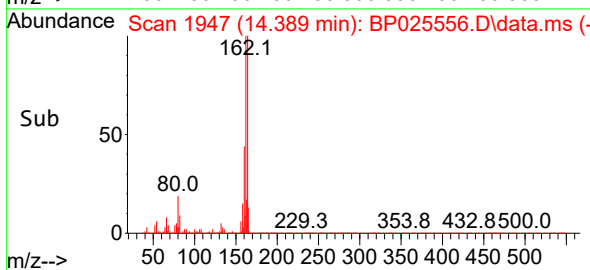
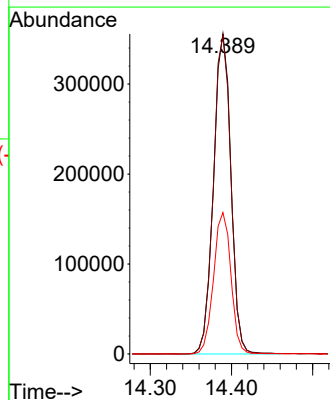
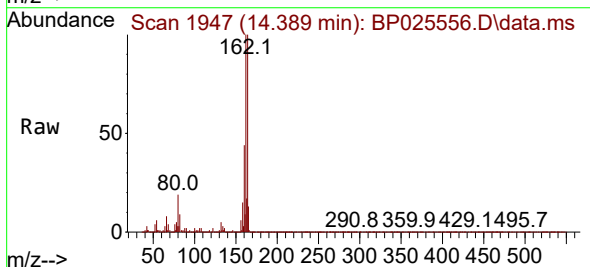
Delta R.T. -0.018 min

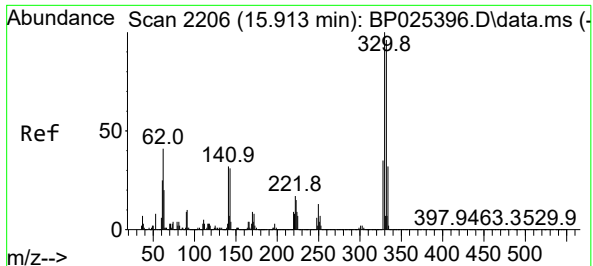
Lab File: BP025556.D

Acq: 22 Aug 2025 19:43

Tgt Ion: 164 Resp: 530149

Ion	Ratio	Lower	Upper
164	100		
162	99.6	81.0	121.6
160	44.2	35.4	53.2





#42

2,4,6-Tribromophenol

Concen: 133.301 ng

RT: 15.901 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP025556.D

Acq: 22 Aug 2025 19:43

Instrument :

BNA_P

ClientSampleId :

ENV-SW04

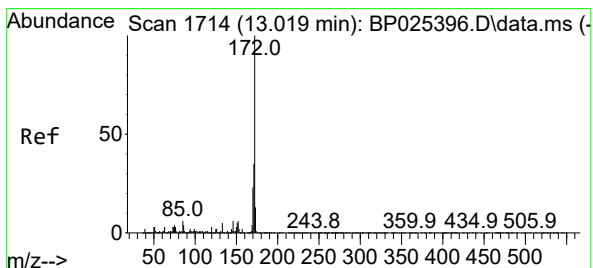
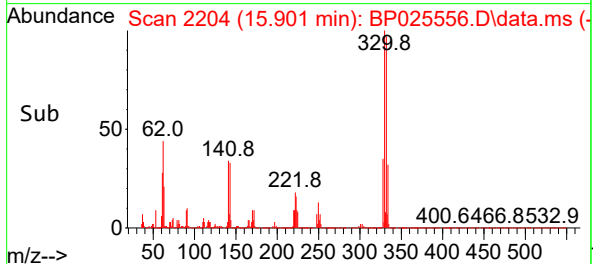
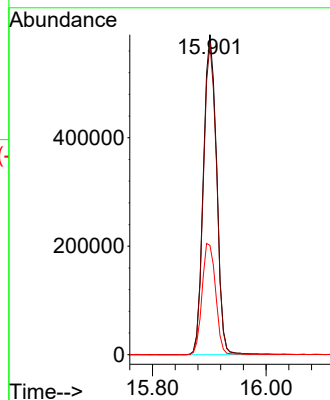
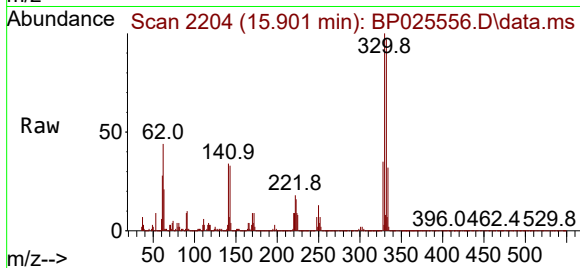
Tgt Ion:330 Resp: 951215

Ion Ratio Lower Upper

330 100

332 96.8 77.3 115.9

141 35.8 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 74.615 ng

RT: 13.001 min Scan# 1711

Delta R.T. -0.018 min

Lab File: BP025556.D

Acq: 22 Aug 2025 19:43

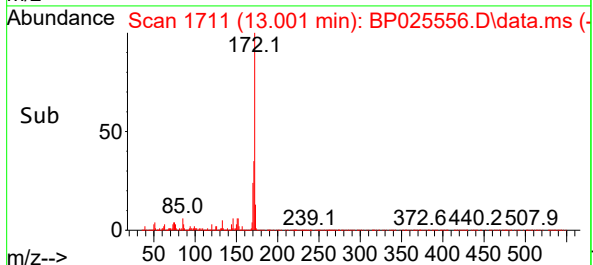
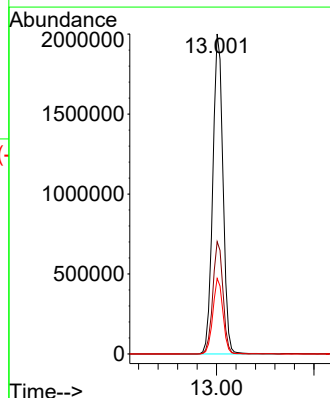
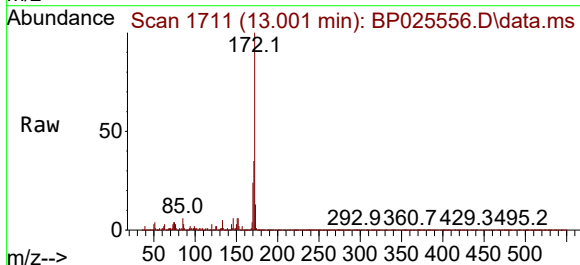
Tgt Ion:172 Resp: 2894400

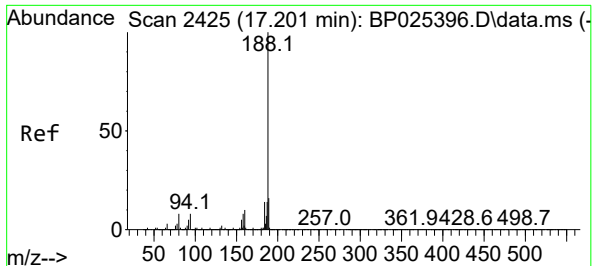
Ion Ratio Lower Upper

172 100

171 35.1 28.1 42.1

170 23.6 18.6 28.0

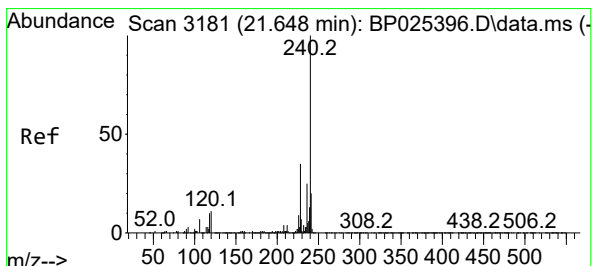
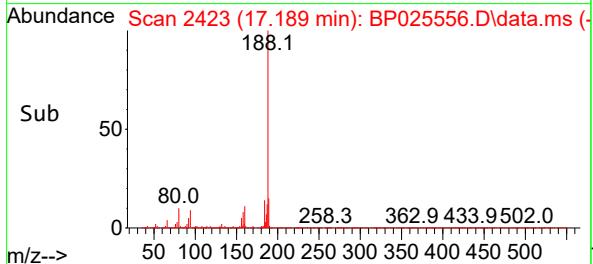
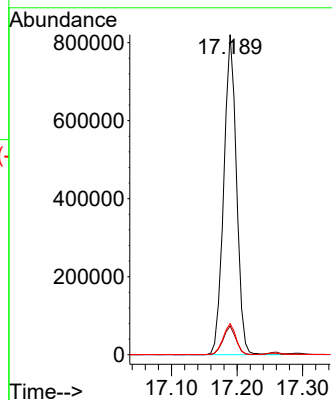
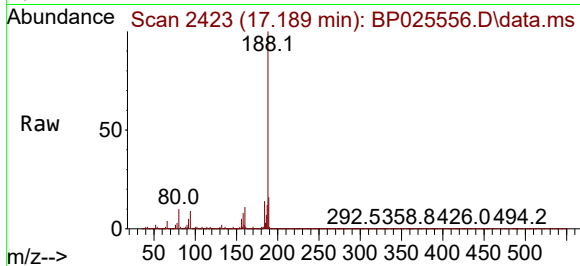




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BP025556.D
Acq: 22 Aug 2025 19:43

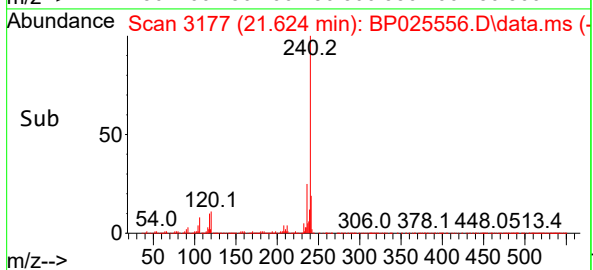
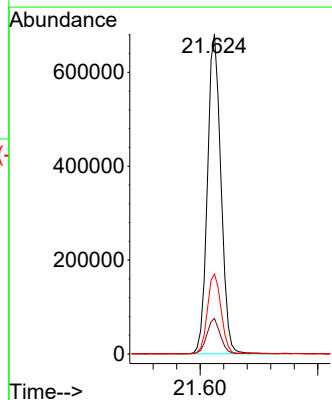
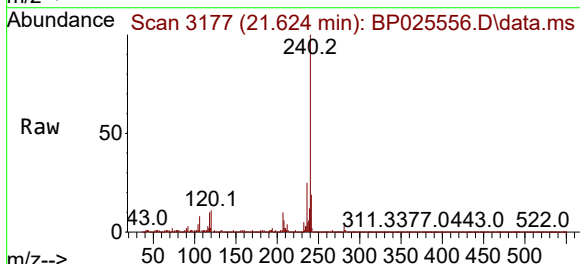
Instrument :
BNA_P
ClientSampleId :
ENV-SW04

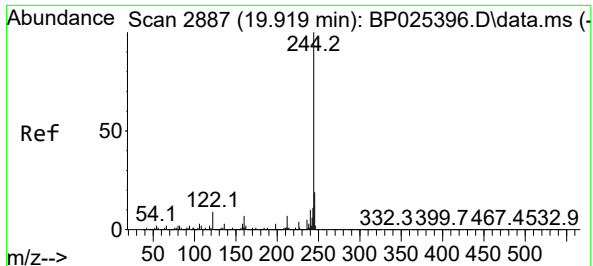
Tgt Ion:188 Resp: 1097906
Ion Ratio Lower Upper
188 100
94 9.0 6.6 10.0
80 9.7 6.7 10.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.624 min Scan# 3177
Delta R.T. -0.024 min
Lab File: BP025556.D
Acq: 22 Aug 2025 19:43

Tgt Ion:240 Resp: 1088352
Ion Ratio Lower Upper
240 100
120 11.1 8.9 13.3
236 25.0 19.8 29.8

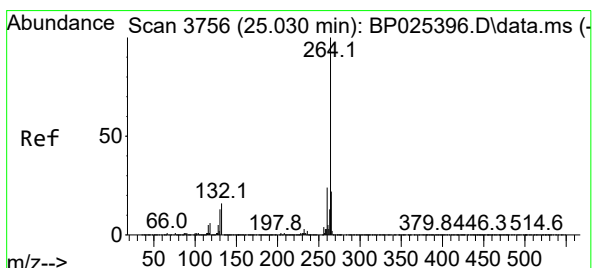
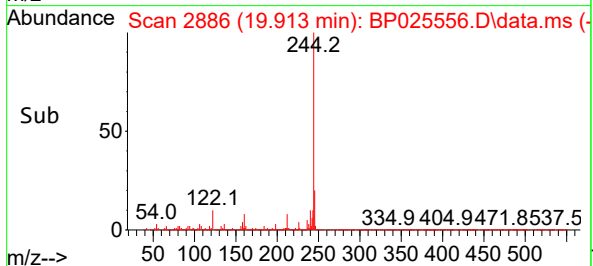
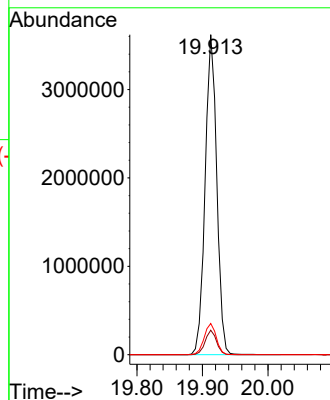
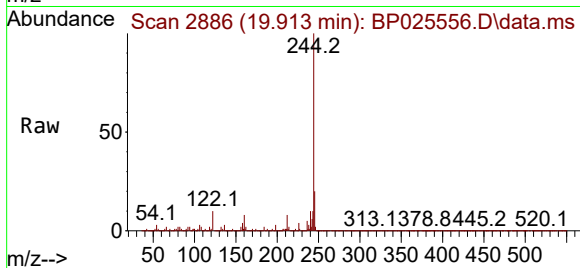




#79
Terphenyl-d14
Concen: 75.123 ng
RT: 19.913 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025556.D
Acq: 22 Aug 2025 19:43

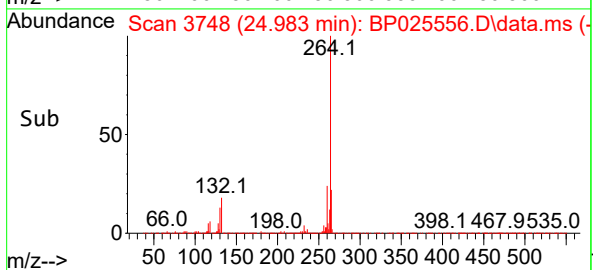
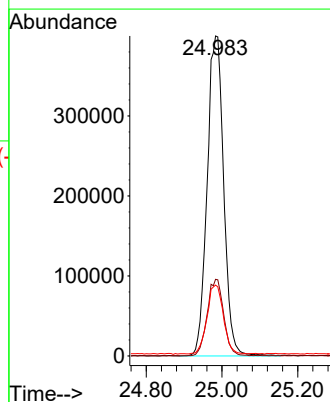
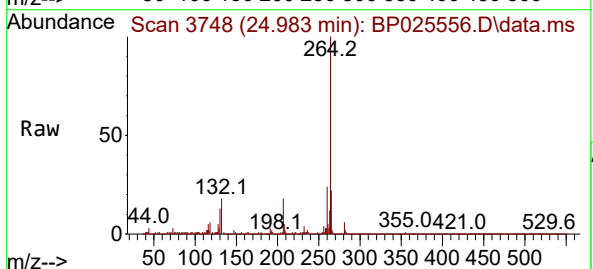
Instrument :
BNA_P
ClientSampleId :
ENV-SW04

Tgt Ion:244 Resp: 4468794
Ion Ratio Lower Upper
244 100
212 7.6 5.8 8.6
122 9.8 7.4 11.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.983 min Scan# 3748
Delta R.T. -0.047 min
Lab File: BP025556.D
Acq: 22 Aug 2025 19:43

Tgt Ion:264 Resp: 1208913
Ion Ratio Lower Upper
264 100
260 23.9 19.3 28.9
265 22.2 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025556.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.984	6	8	12	rVB	240435	232519	1.90%	0.278%
2	3.031	12	16	21	rVV	3251520	3746956	30.55%	4.472%
3	3.078	21	24	33	rVB	207282	273669	2.23%	0.327%
4	4.249	218	223	232	rBV	179342	251233	2.05%	0.300%
5	4.649	287	291	298	rBV	89500	133856	1.09%	0.160%
6	4.937	334	340	350	rVB2	290373	422546	3.44%	0.504%
7	5.396	412	418	429	rBV	2205208	3345293	27.27%	3.993%
8	6.960	676	684	698	rBV	1860555	3086796	25.16%	3.684%
9	7.778	814	823	830	rBV	696770	1141208	9.30%	1.362%
10	8.919	1007	1017	1026	rBV	2202472	3828549	31.21%	4.570%
11	9.472	1104	1111	1129	rVB	86176	160504	1.31%	0.192%
12	10.548	1285	1294	1306	rBV	913360	1664855	13.57%	1.987%
13	13.001	1704	1711	1732	rBV	5900425	8496784	69.27%	10.142%
14	14.307	1927	1933	1940	rBV2	64121	126925	1.03%	0.151%
15	14.389	1940	1947	1954	rVB	1494126	2236004	18.23%	2.669%
16	15.766	2176	2181	2188	rBV	1362562	1900247	15.49%	2.268%
17	15.901	2197	2204	2216	rBV	4415838	7335772	59.80%	8.756%
18	16.142	2241	2245	2253	rVB	138800	196764	1.60%	0.235%
19	16.348	2275	2280	2289	rVB	136115	213671	1.74%	0.255%
20	16.842	2359	2364	2371	rBV	66924	127918	1.04%	0.153%
21	17.189	2417	2423	2430	rBV2	2028055	2776052	22.63%	3.313%
22	17.254	2430	2434	2439	rBV	899904	1291153	10.53%	1.541%
23	17.295	2439	2441	2446	rVB	122922	166564	1.36%	0.199%
24	17.436	2461	2465	2471	rBV	97953	170848	1.39%	0.204%
25	17.583	2486	2490	2497	rBV2	261213	412889	3.37%	0.493%
26	18.136	2578	2584	2592	rBV	3081590	4214241	34.36%	5.030%
27	18.824	2696	2701	2704	rBV	703685	918478	7.49%	1.096%
28	18.866	2704	2708	2713	rVB	373704	448105	3.65%	0.535%
29	18.913	2713	2716	2721	rBV	83916	129273	1.05%	0.154%
30	18.989	2726	2729	2739	rVB3	105482	226797	1.85%	0.271%
31	19.189	2758	2763	2772	rBV	438125	631737	5.15%	0.754%
32	19.307	2778	2783	2785	rBV	274506	409340	3.34%	0.489%
33	19.342	2785	2789	2802	rVV2	511292	972614	7.93%	1.161%
34	19.454	2804	2808	2823	rVB	960452	1354942	11.05%	1.617%
35	19.736	2853	2856	2860	rVV	152436	180921	1.47%	0.216%
36	19.913	2880	2886	2895	rBV	9920399	12266354	100.00%	14.641%

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	20.254	2940	2944	2949	rVB	229946	296891	2.42%	0.354%
38	20.618	3003	3006	3009	rBV4	103537	146076	1.19%	0.174%
39	20.777	3027	3033	3036	rBV2	402278	594171	4.84%	0.709%
40	21.295	3116	3121	3137	rBV2	1327194	2602919	21.22%	3.107%
41	21.624	3171	3177	3190	rBV	1844898	3089588	25.19%	3.688%
42	21.883	3217	3221	3227	rVB2	508094	719756	5.87%	0.859%
43	22.536	3327	3332	3343	rVB2	392850	800070	6.52%	0.955%
44	23.289	3455	3460	3468	rVB	291167	594091	4.84%	0.709%
45	23.477	3488	3492	3502	rVB	322187	701467	5.72%	0.837%
46	24.142	3601	3605	3614	rVB	225659	436459	3.56%	0.521%
47	24.818	3713	3720	3732	rVB	1042851	2777500	22.64%	3.315%
48	24.983	3740	3748	3762	rVB2	1058150	3145905	25.65%	3.755%
49	27.336	4139	4148	4172	rVB2	546860	2384784	19.44%	2.846%

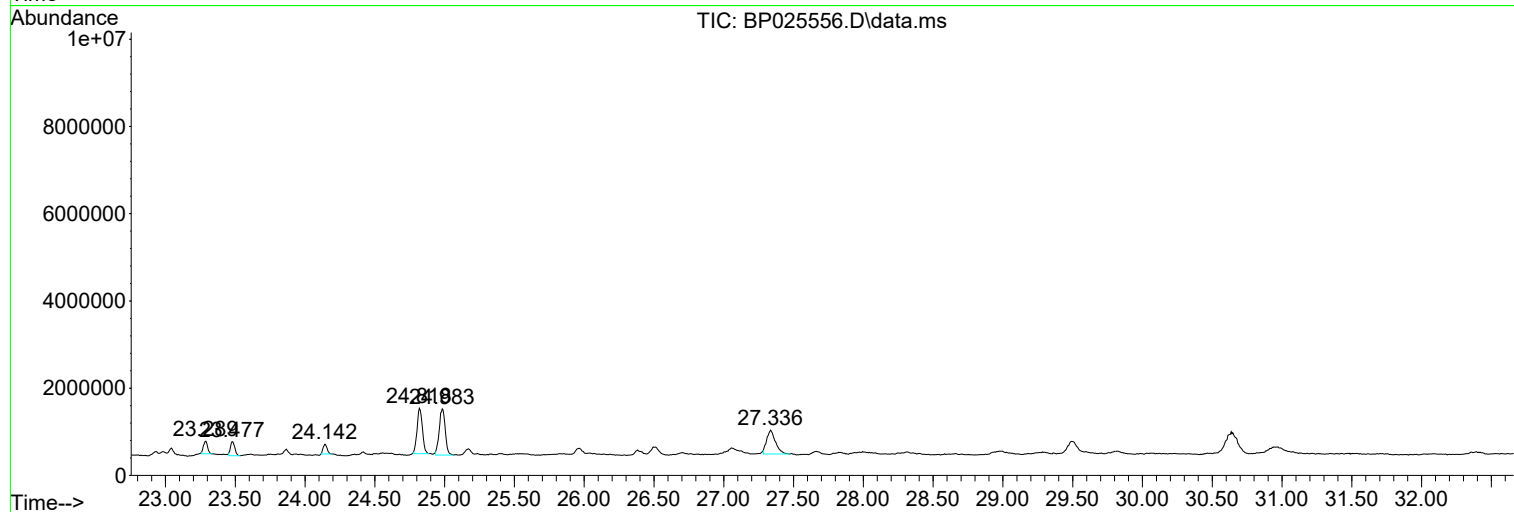
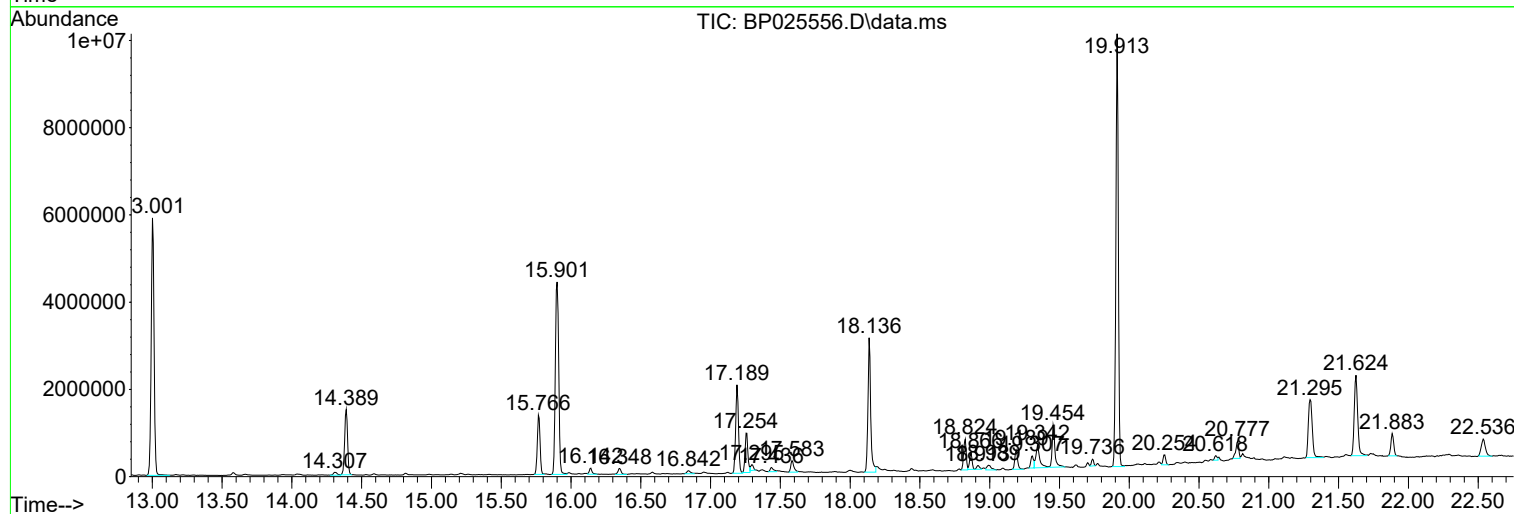
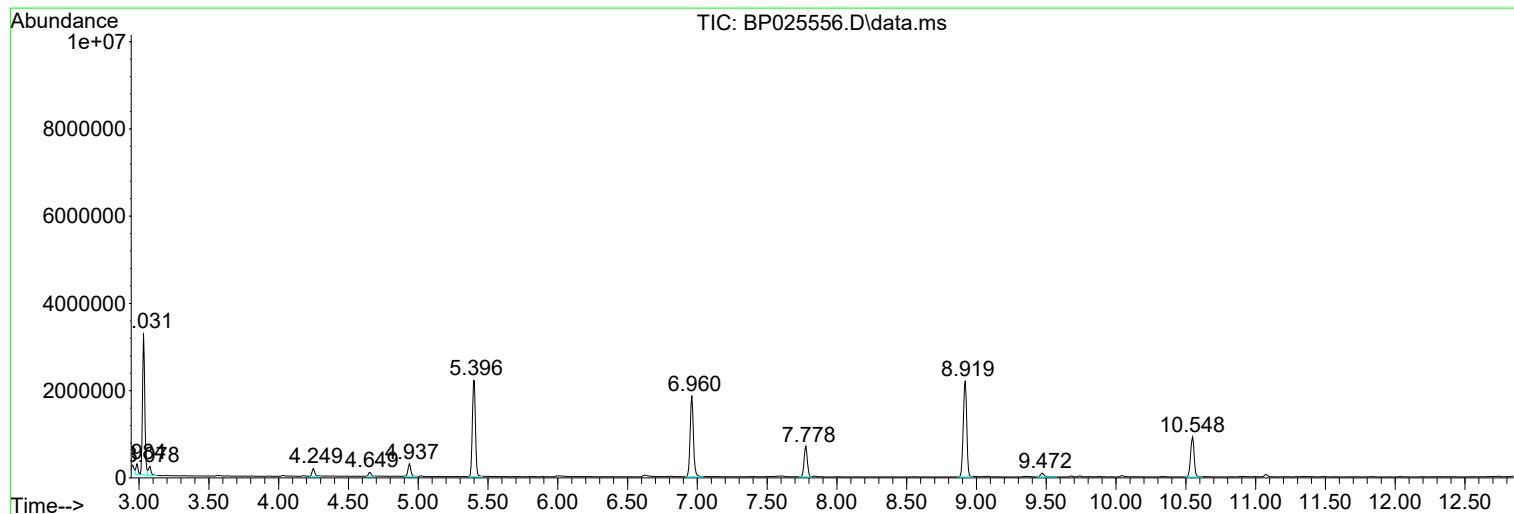
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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

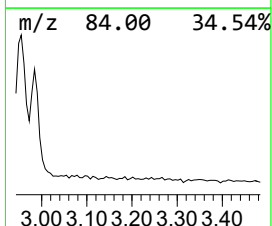
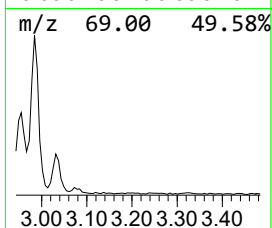
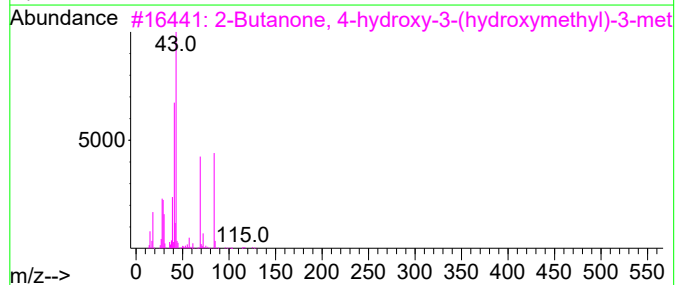
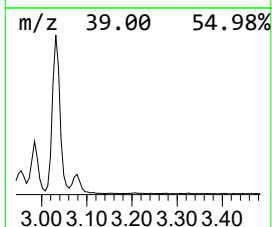
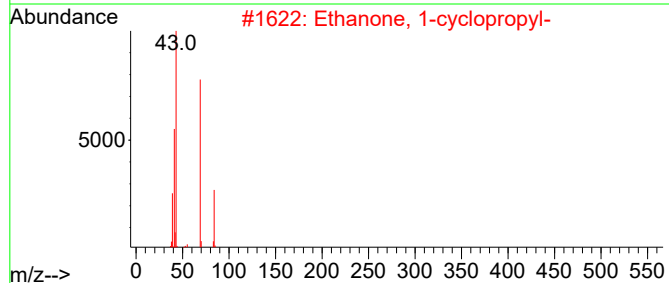
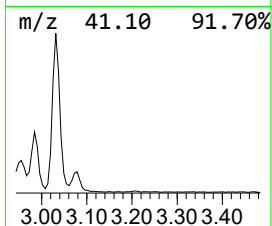
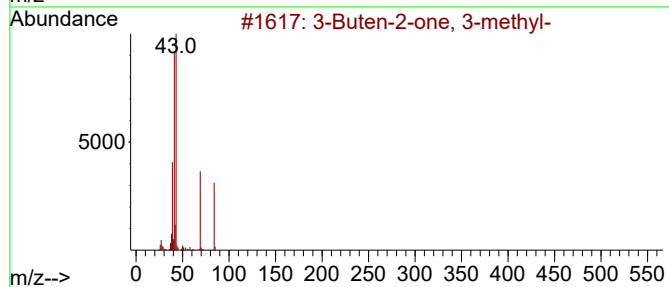
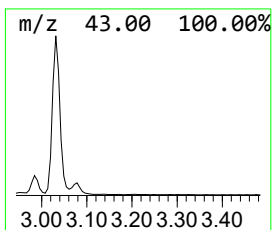
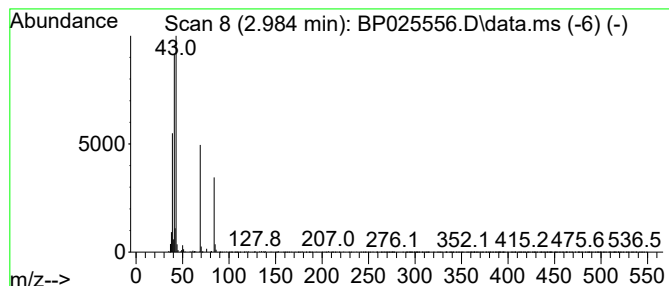
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 3-Buten-2-one, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.984	4.07 ng	232519	1,4-Dichlorobenzene-d4	7.778

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	91
2			Ethanone, 1-cyclopropyl-	84	C5H8O	000765-43-5	58
3			2-Butanone, 4-hydroxy-3-(hydroxy...	132	C6H12O3	006868-97-9	47
4			2-Propenoic acid, 2-methyl-	86	C4H6O2	000079-41-4	36
5			2-Pentene, 3-methyl-	84	C6H12	000922-61-2	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

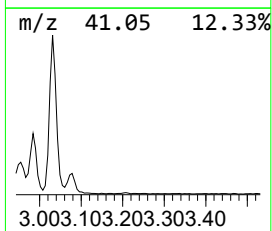
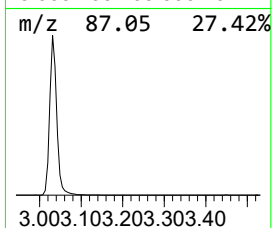
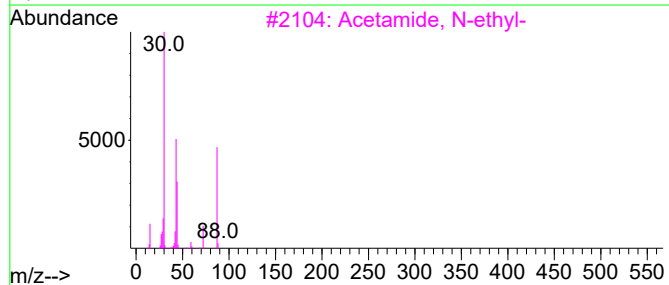
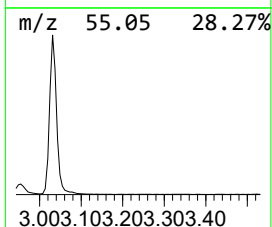
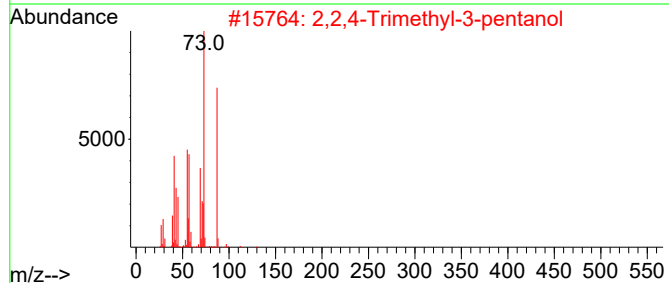
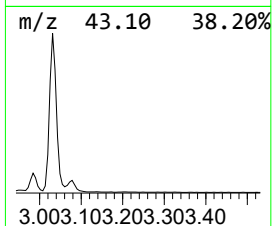
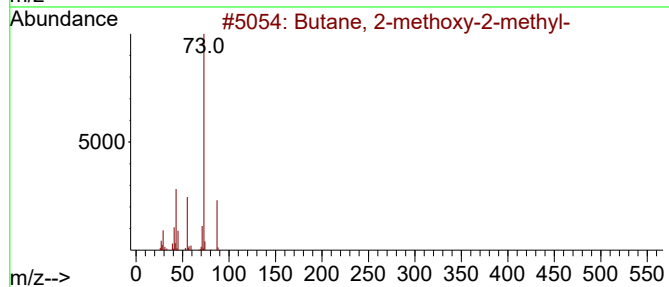
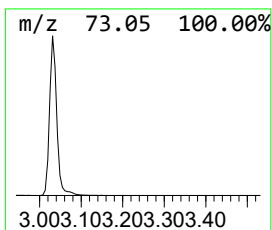
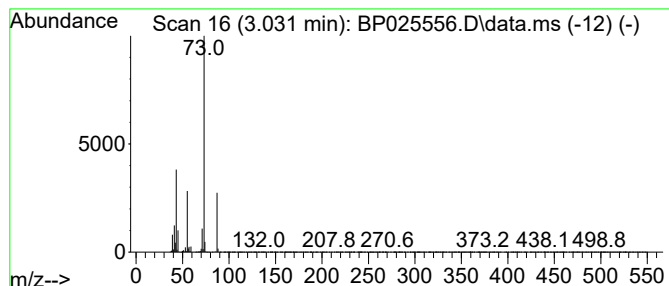
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.031	65.67 ng	3746960	1,4-Dichlorobenzene-d4	7.778

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
4			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

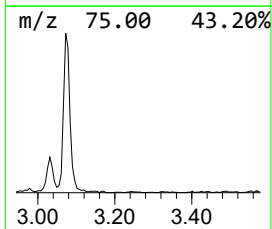
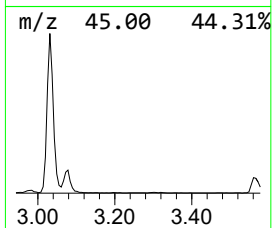
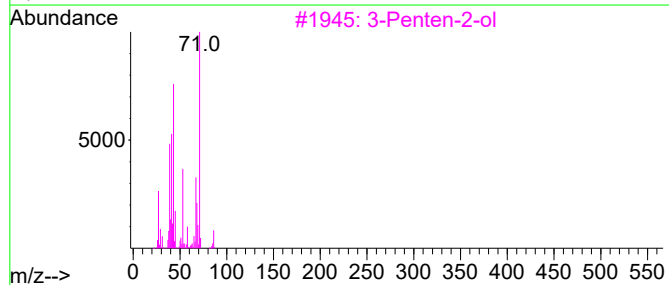
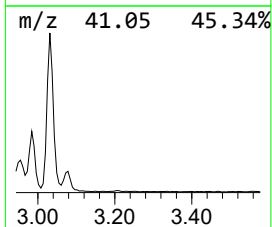
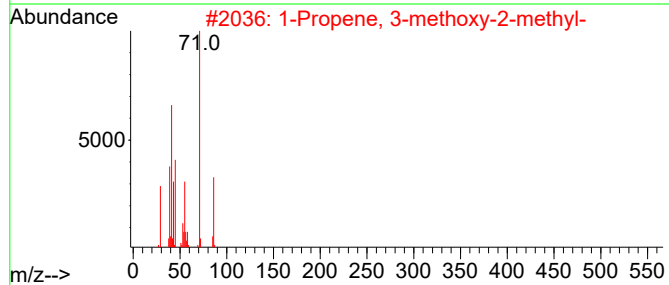
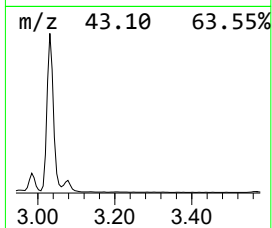
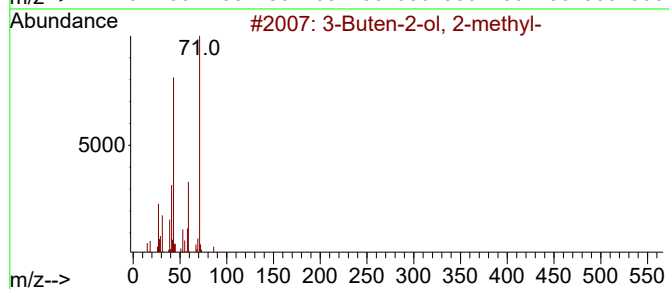
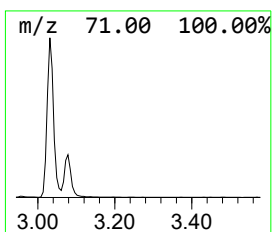
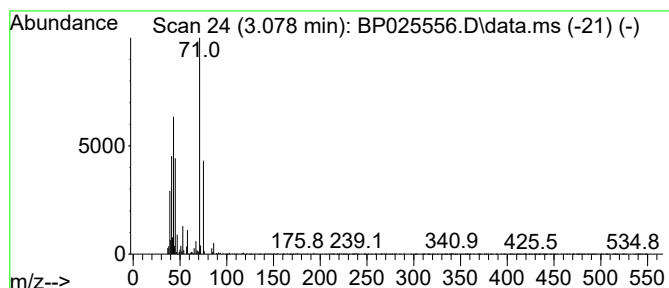
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown3.078 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.078	4.80 ng	273669	1,4-Dichlorobenzene-d4	7.778

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	46
2		1-Propene, 3-methoxy-2-methyl-	86	C5H10O	022418-49-1	33
3		3-Penten-2-ol	86	C5H10O	001569-50-2	32
4		2-Hexene, 1-methoxy-, (E)-	114	C7H14O	056052-83-6	28
5		Butanoic acid, 2-propenyl ester	128	C7H12O2	002051-78-7	27



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

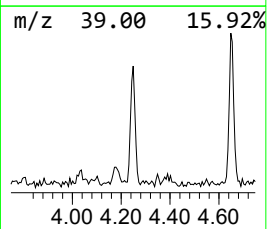
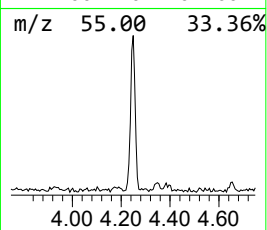
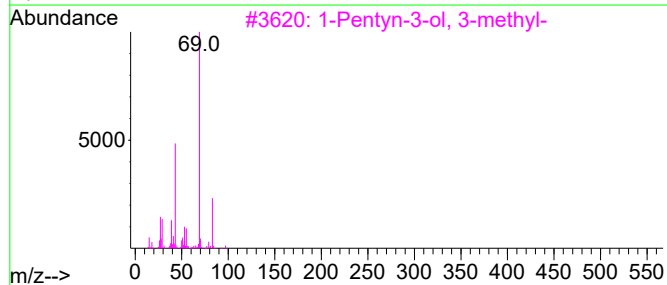
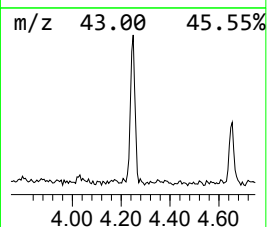
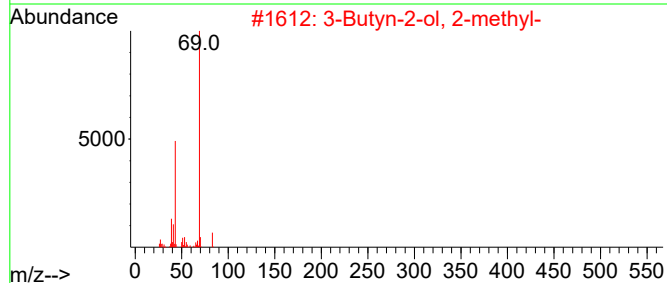
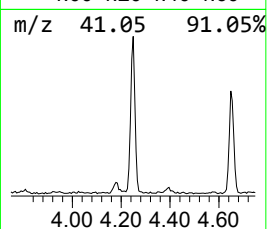
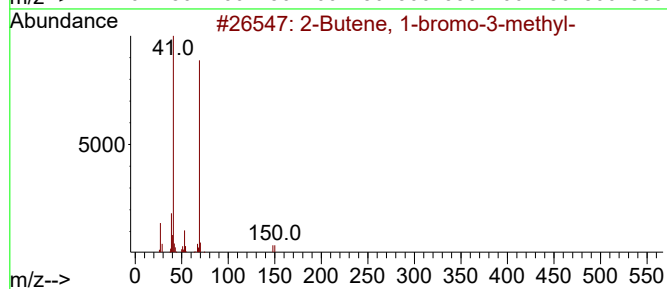
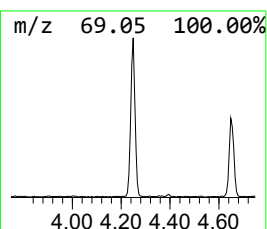
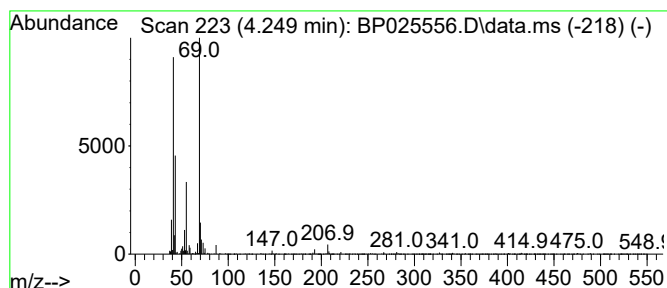
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 unknown4.249 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.249	4.40 ng	251233	1,4-Dichlorobenzene-d4	7.778

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 1-bromo-3-methyl-			148	C5H9Br	000870-63-3	42
2	3-Butyn-2-ol, 2-methyl-			84	C5H8O	000115-19-5	36
3	1-Pentyn-3-ol, 3-methyl-			98	C6H10O	000077-75-8	36
4	1-Pentene, 3,3-dimethyl-			98	C7H14	003404-73-7	36
5	1-Pentene, 2,3-dimethyl-			98	C7H14	003404-72-6	36



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

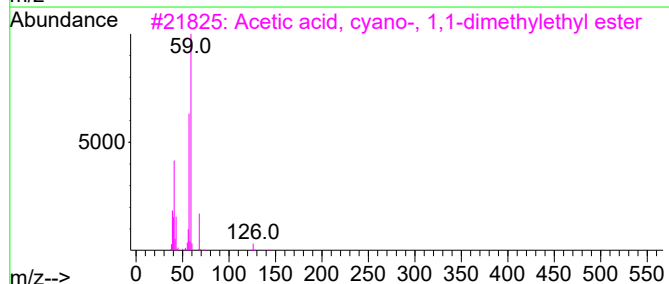
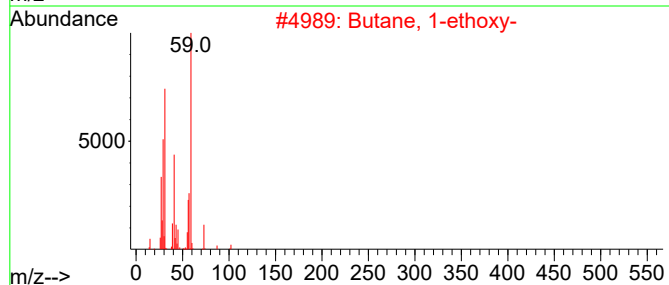
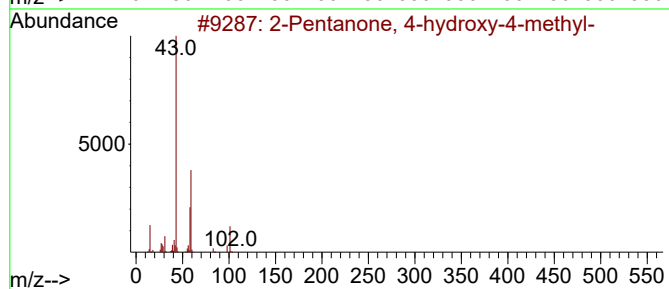
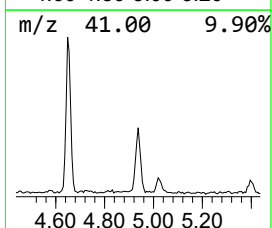
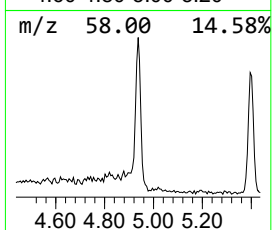
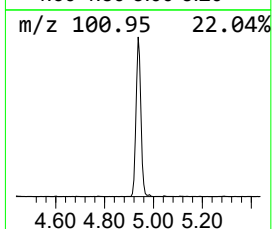
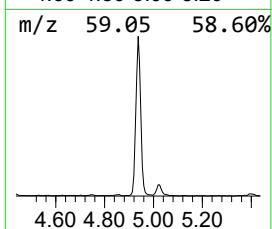
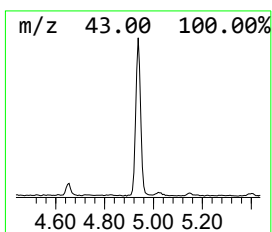
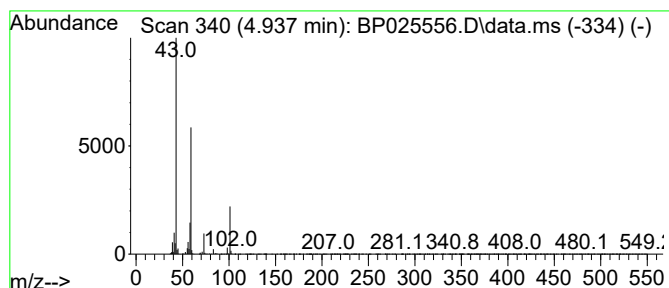
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.937	7.41 ng	422546	1,4-Dichlorobenzene-d4	7.778

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2			Butane, 1-ethoxy-	102	C6H14O	000628-81-9	32
3			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	17
5			Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
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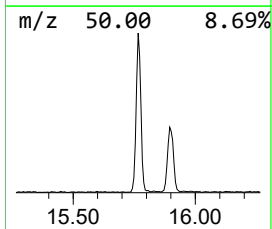
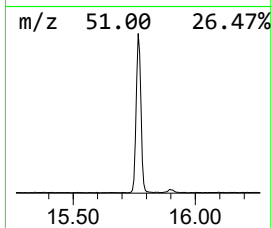
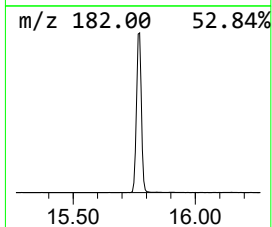
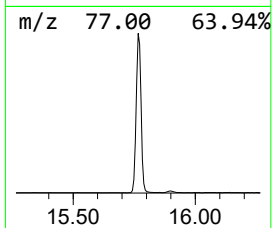
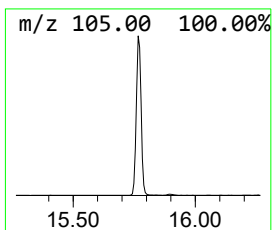
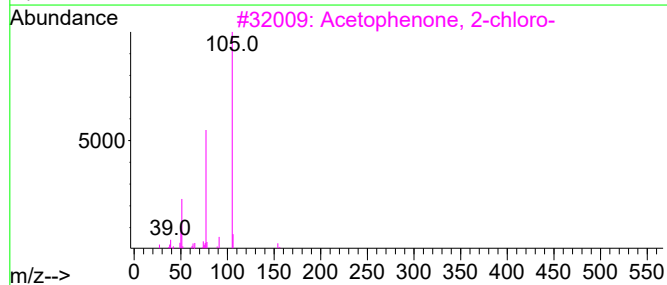
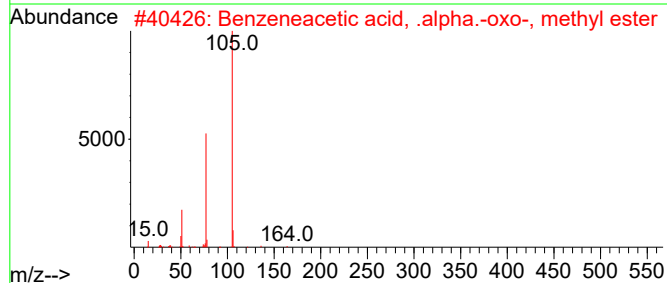
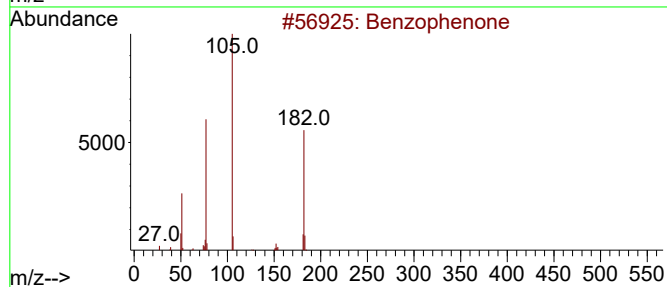
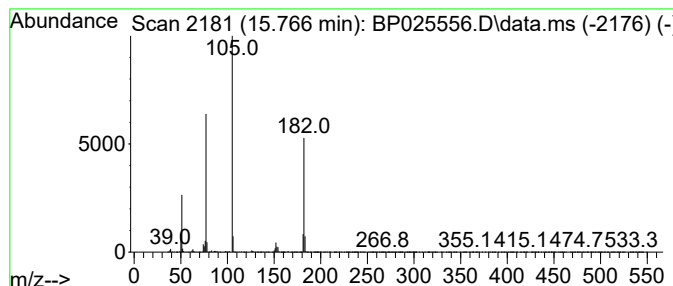
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.766	17.00 ng	1900250	Acenaphthene-d10	14.389

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	49
3			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
4			N-Methylbenzamide, N-chlorodiflu...	247	C10H8ClF2NO2	1000446-98-2	47
5			1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
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Sample : Q2934-04
Misc :
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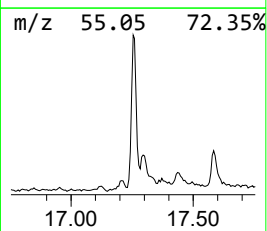
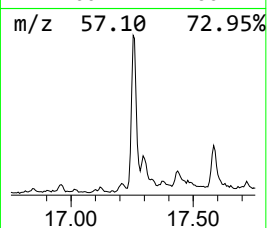
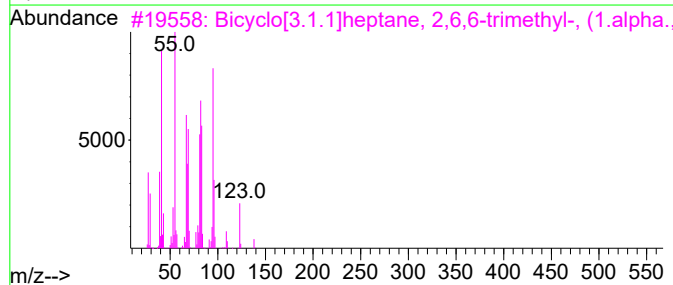
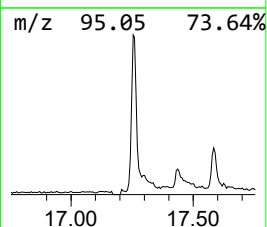
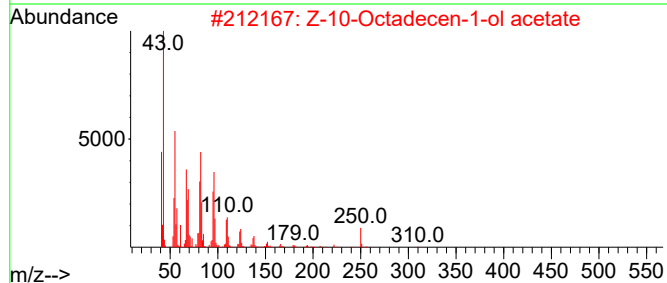
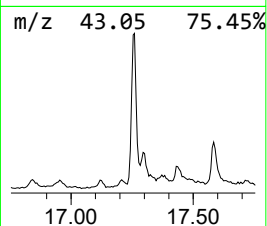
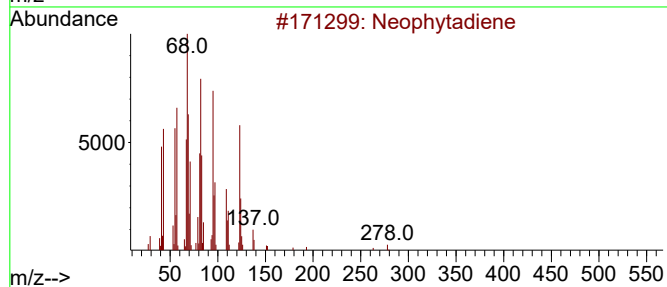
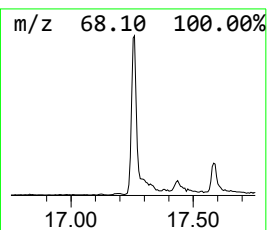
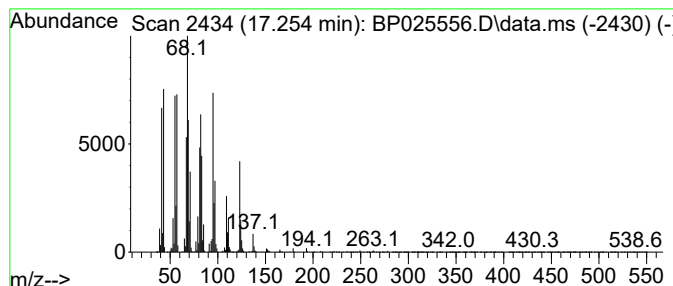
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Neophytadiene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.254	9.30 ng	1291150	Phenanthrene-d10	17.189

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Neophytadiene	278	C20H38	000504-96-1	91
2			Z-10-Octadecen-1-ol acetate	310	C20H38O2	1000131-07-2	60
3			Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	006876-13-7	58
4			2-Tridecyne	180	C13H24	028467-75-6	50
5			Z-13-Octadecen-1-yl acetate	310	C20H38O2	060037-58-3	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
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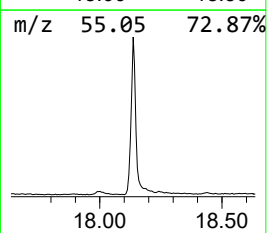
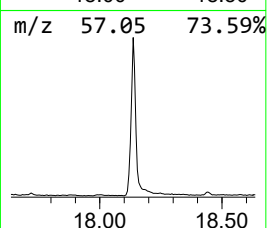
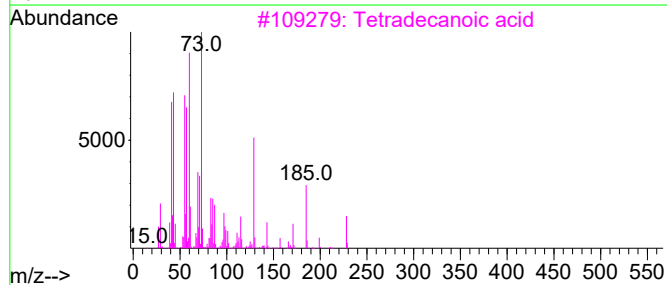
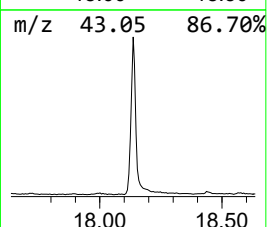
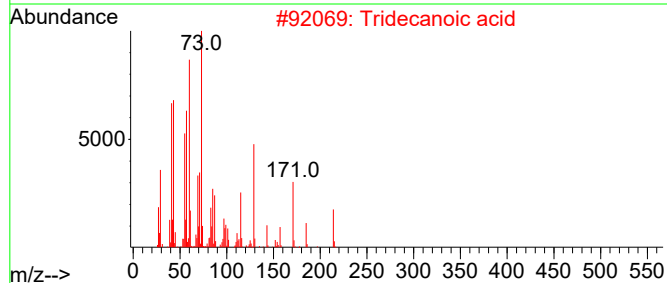
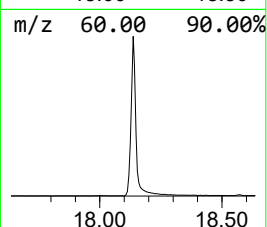
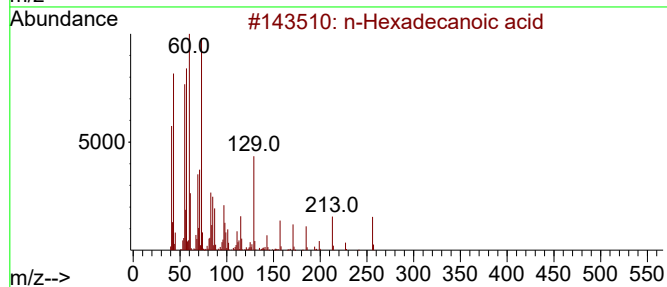
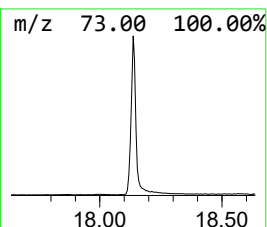
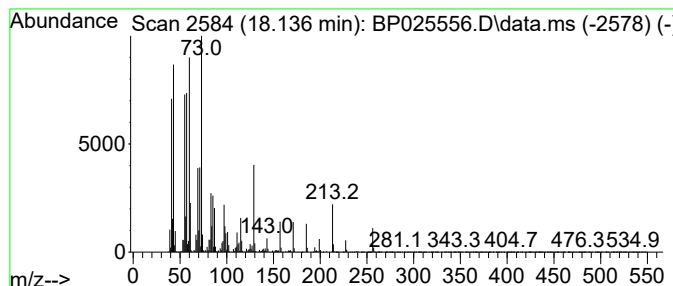
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.136	30.36 ng	4214240	Phenanthrene-d10	17.189

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tridecanoic acid	214	C13H26O2	000638-53-9	95
3			Tetradecanoic acid	228	C14H28O2	000544-63-8	93
4			Pentadecanoic acid	242	C15H30O2	001002-84-2	93
5			n-Decanoic acid	172	C10H20O2	000334-48-5	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
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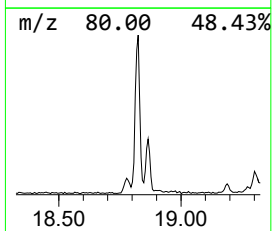
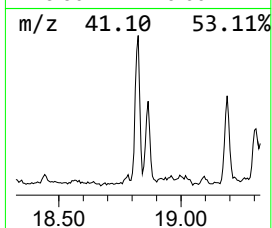
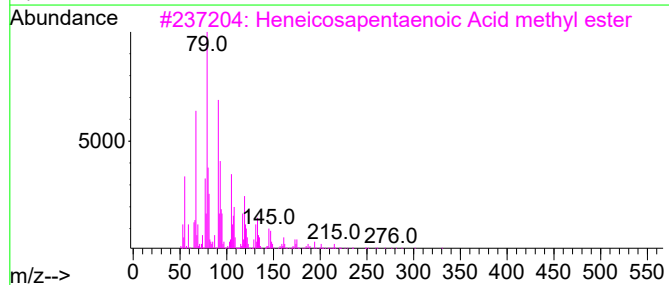
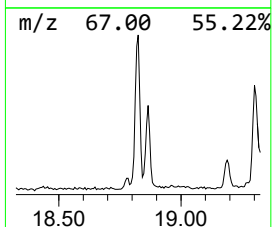
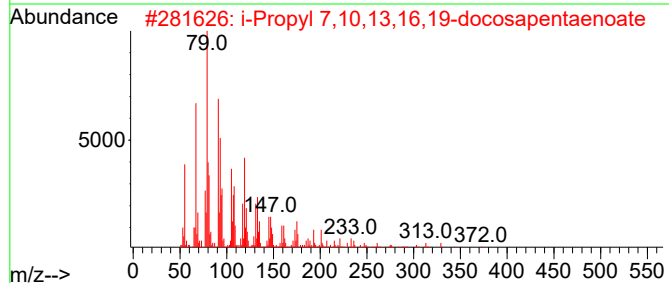
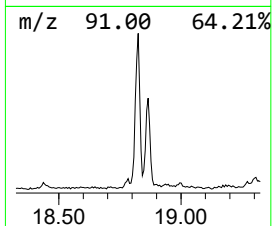
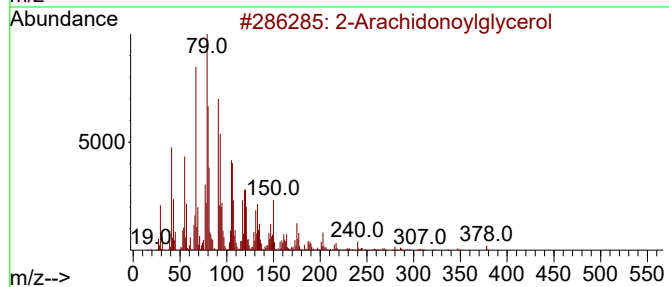
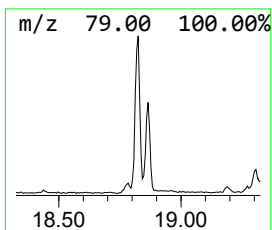
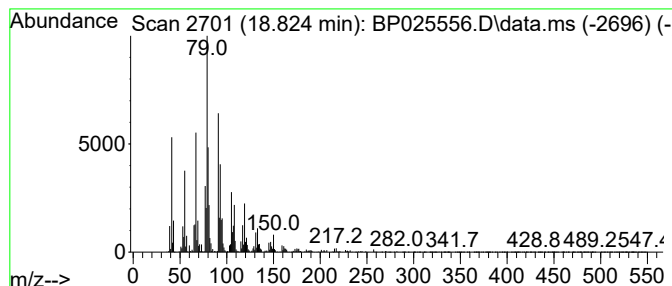
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 2-Arachidonoylglycerol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.825	6.62 ng	918478	Phenanthrene-d10	17.189

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Arachidonoylglycerol	378	C23H38O4	053847-30-6	93
2			i-Propyl 7,10,13,16,19-docosapen...	372	C25H40O2	1000336-77-2	91
3			Heneicosapentaenoic Acid methyl ...	330	C22H34O2	065919-53-1	90
4			cis-5,8,11,14,17-Eicosapentaenoi...	302	C20H30O2	010417-94-4	87
5			Arachidonoyl amide, N-(pentaflu...	449	C23H32F5NO2	1000452-13-2	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
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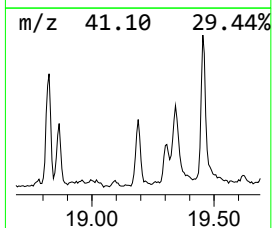
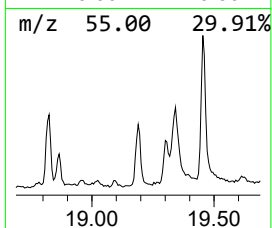
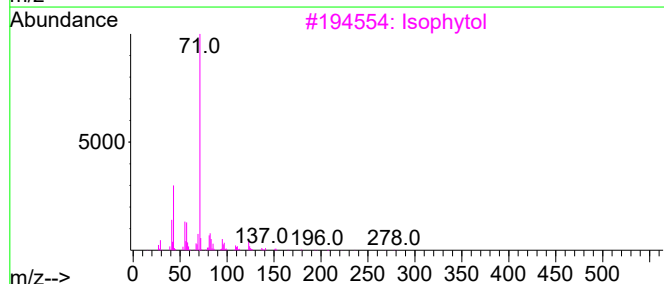
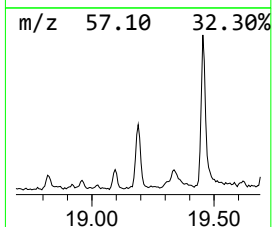
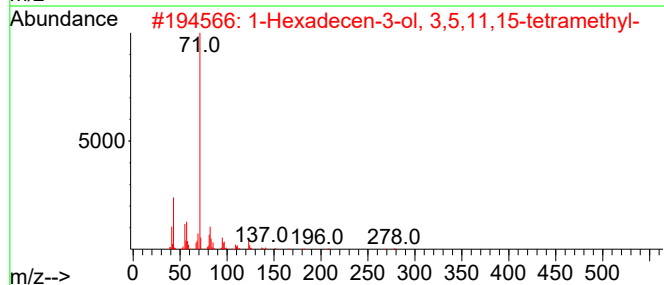
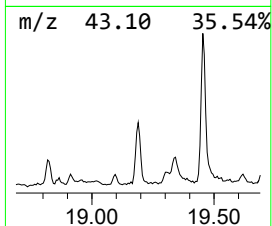
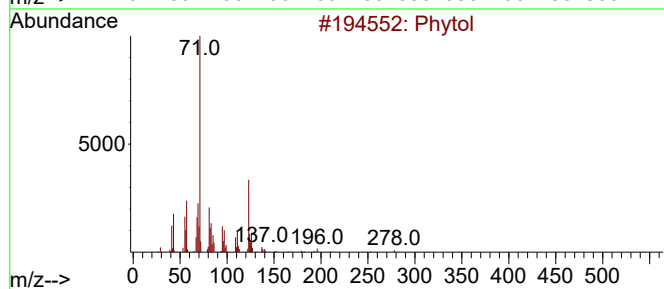
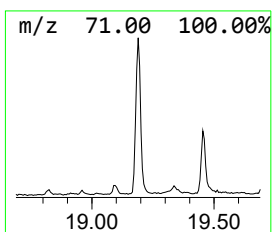
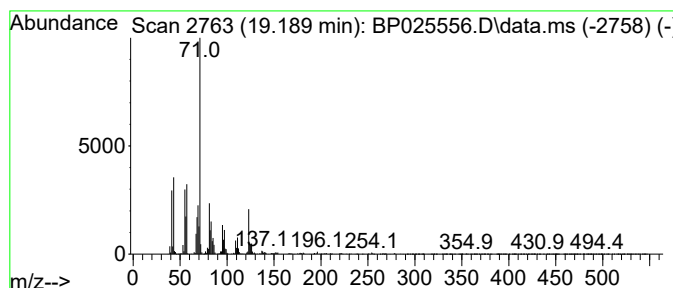
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phytol Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.189	4.55 ng	631737	Phenanthrene-d10	17.189

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phytol	296	C20H40O	000150-86-7	91
2			1-Hexadecen-3-ol, 3,5,11,15-tetr...	296	C20H40O	1000262-55-5	64
3			Isophytol	296	C20H40O	000505-32-8	59
4			Butyric acid, 2-pentadecyl ester	298	C19H38O2	107853-73-6	52
5			13-Methyl-tetradec-13-ene-1,12-diol	242	C15H30O2	1000194-71-6	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
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Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
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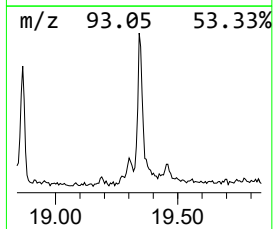
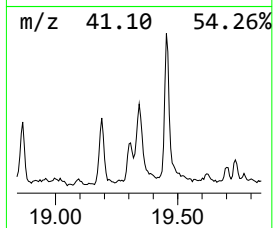
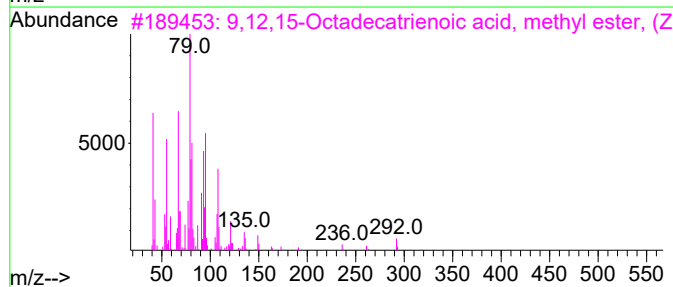
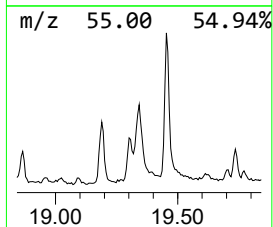
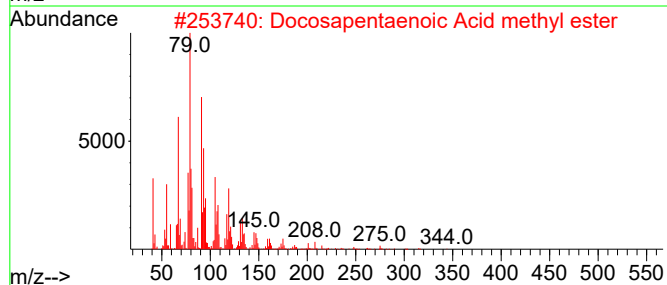
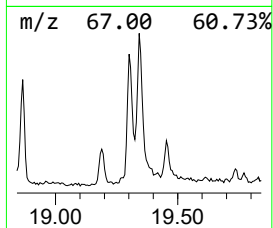
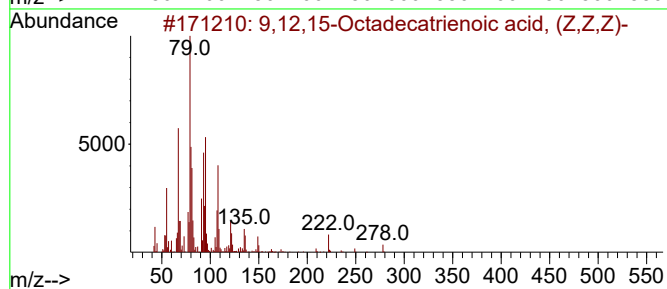
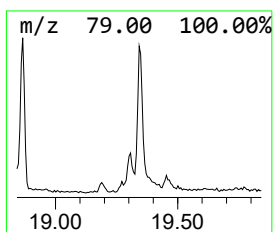
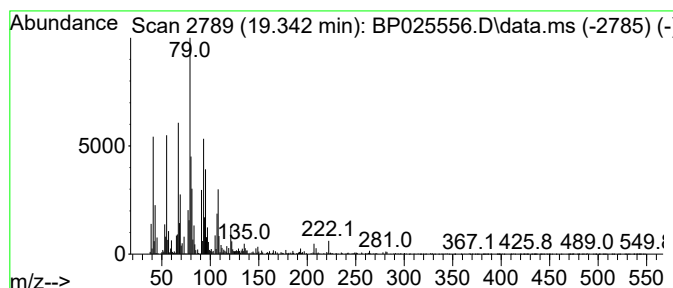
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 9,12,15-Octadecatrienoic ac... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.342	7.01 ng	972614	Phenanthrene-d10	17.189
Hit#	of 5	Tentative ID	MW MolForm	CAS# Qual
1	9,12,15-Octadecatrienoic acid, (...	278 C18H30O2	000463-40-1	86
2	Docosapentaenoic Acid methyl ester	344 C23H36O2	108698-02-8	83
3	9,12,15-Octadecatrienoic acid, m...	292 C19H32O2	000301-00-8	80
4	8,11,14-Eicosatrienoic acid, met...	320 C21H36O2	021061-10-9	52
5	cis,cis,cis-7,10,13-Hexadecatrienal	234 C16H26O	056797-43-4	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
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Sample : Q2934-04
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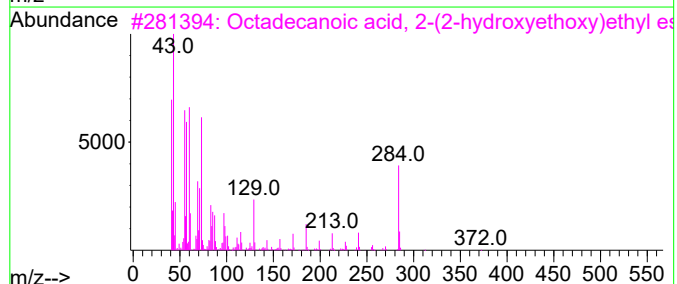
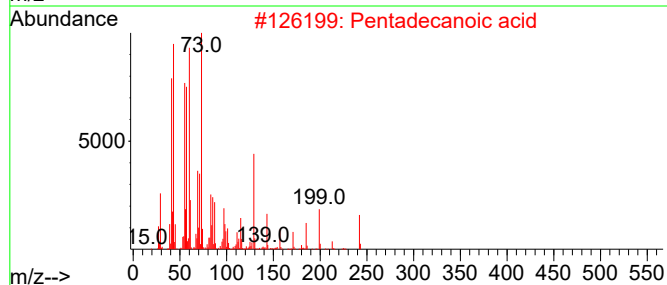
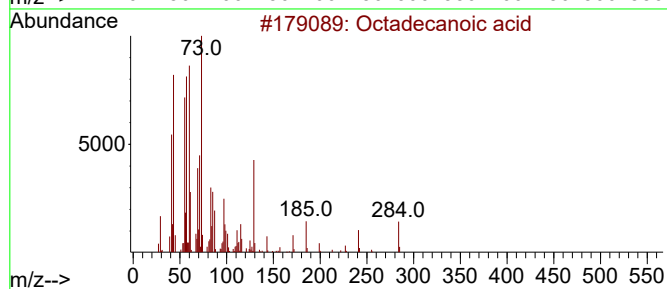
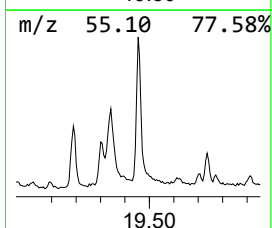
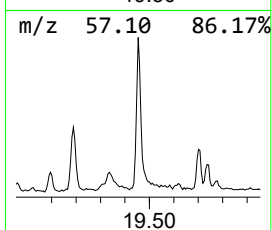
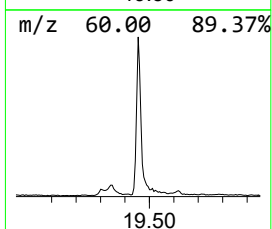
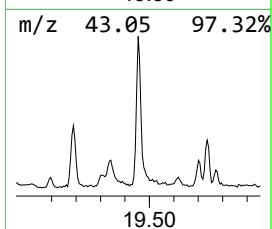
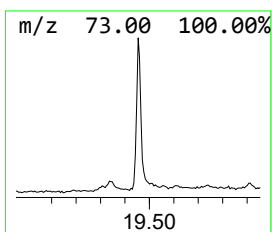
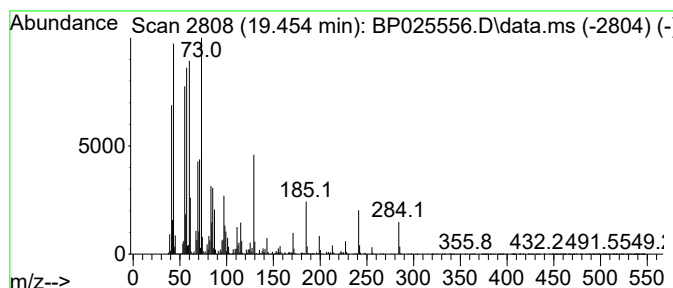
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.	
19.454	8.77 ng	1354940	Chrysene-d12		21.624	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octadecanoic acid		284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid		242	C15H30O2	001002-84-2	90
3	Octadecanoic acid, 2-(2-hydroxye...		372	C22H44O4	000106-11-6	90
4	Tetradecanoic acid		228	C14H28O2	000544-63-8	87
5	n-Hexadecanoic acid		256	C16H32O2	000057-10-3	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

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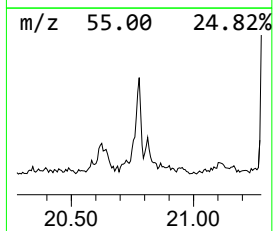
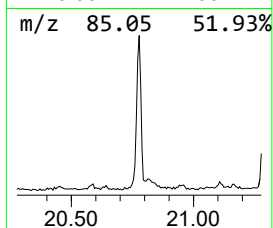
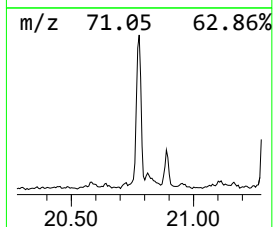
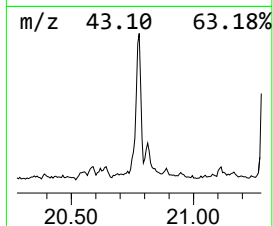
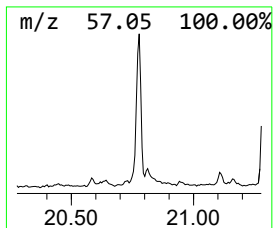
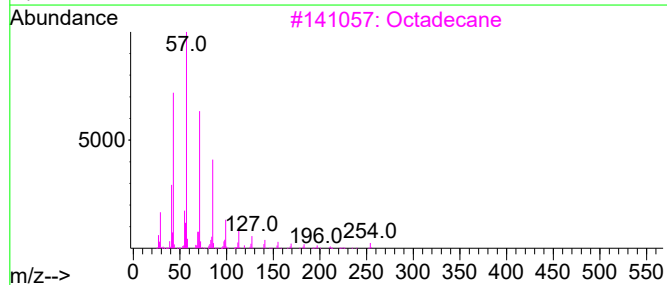
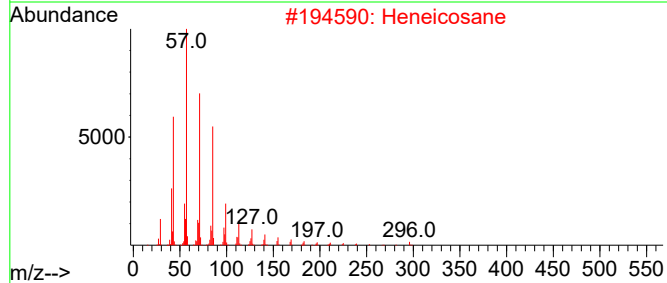
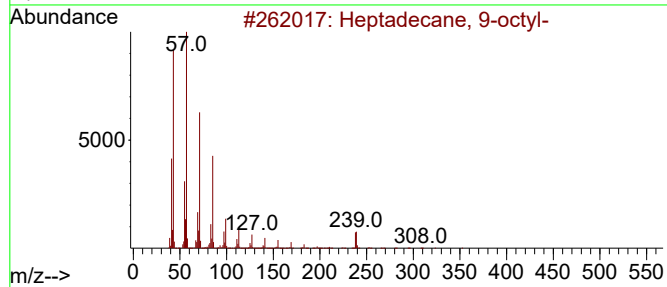
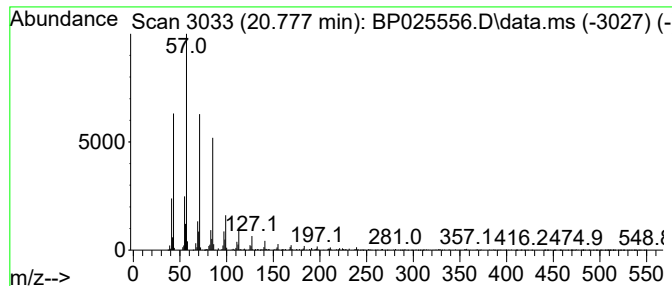
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Heptadecane, 9-octyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.777	3.85 ng	594171	Chrysene-d12	21.624

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	93
2		Heneicosane	296	C21H44	000629-94-7	91
3		Octadecane	254	C18H38	000593-45-3	91
4		Tetracosane	338	C24H50	000646-31-1	90
5		Docosane, 1-iodo-	436	C22H45I	1000406-31-9	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
ENV-SW04

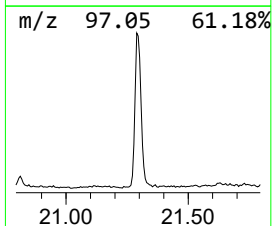
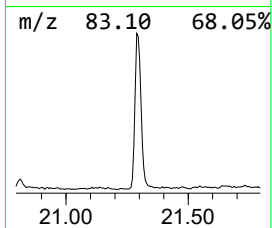
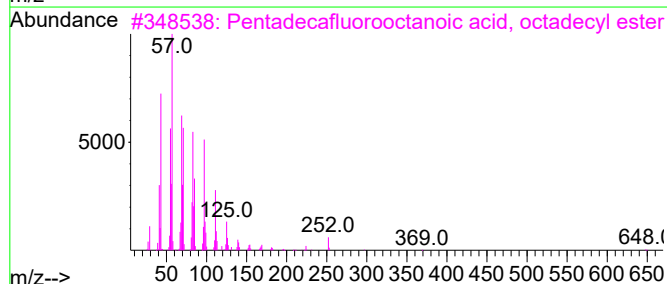
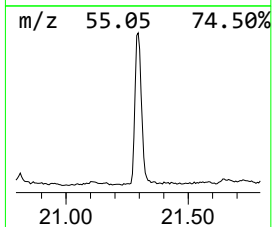
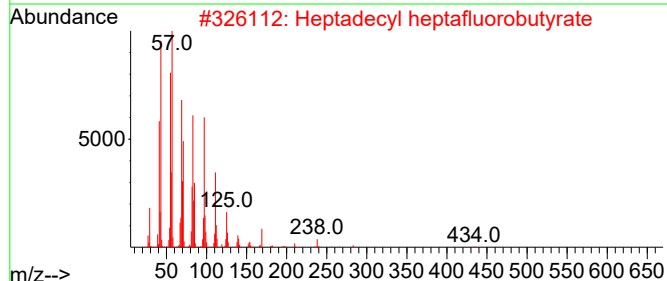
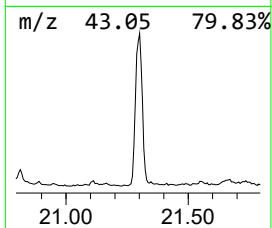
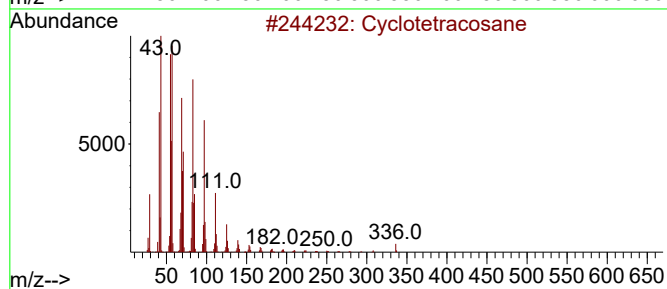
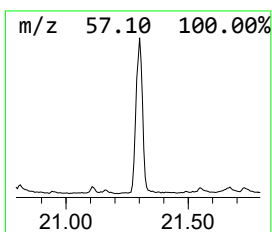
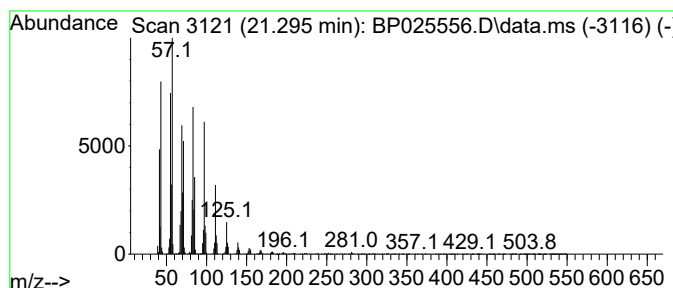
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclotetracosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.295	16.85 ng	2602920	Chrysene-d12	21.624

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclotetracosane	336	C24H48	000297-03-0	96
2			Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
3			Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	94
4			1-Hexacosene	364	C26H52	018835-33-1	94
5			1-Heneicosanol	312	C21H44O	015594-90-8	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
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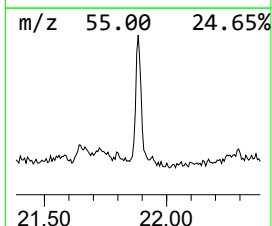
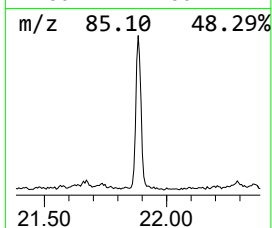
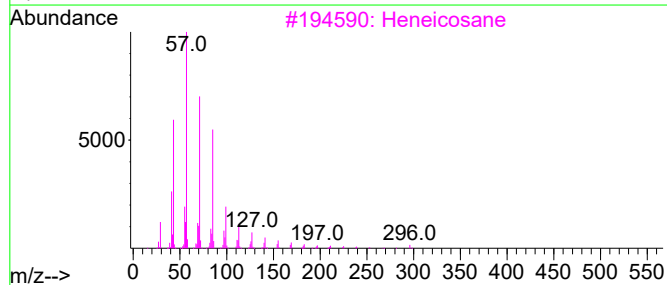
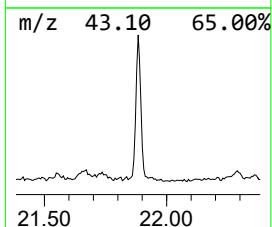
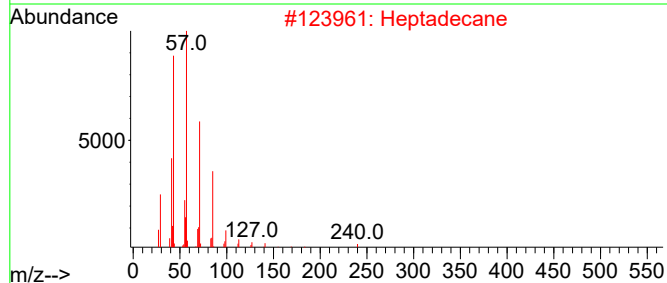
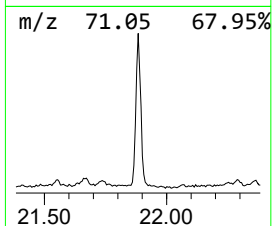
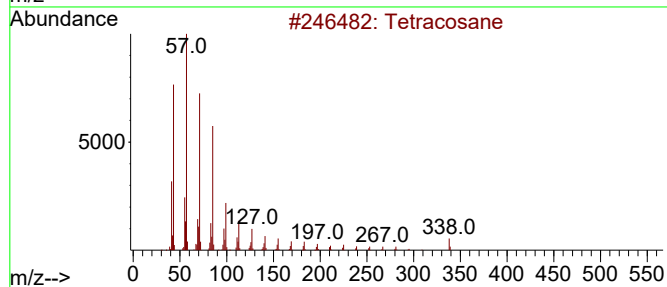
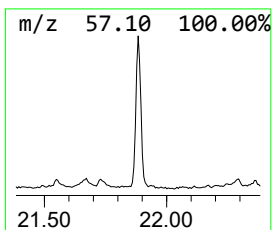
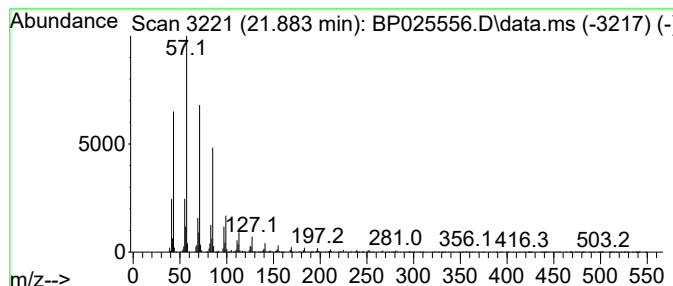
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Tetracosane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.883	4.66 ng	719756	Chrysene-d12	21.624

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetracosane	338	C24H50	000646-31-1	96
2			Heptadecane	240	C17H36	000629-78-7	94
3			Heneicosane	296	C21H44	000629-94-7	91
4			2-Methylpentacosane	366	C26H54	000629-87-8	91
5			Octacosane	394	C28H58	000630-02-4	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
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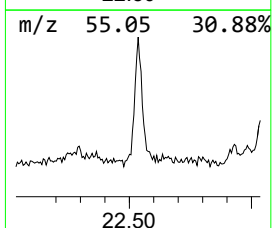
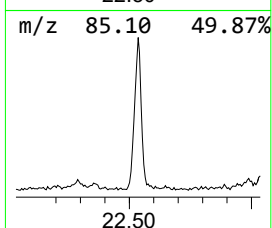
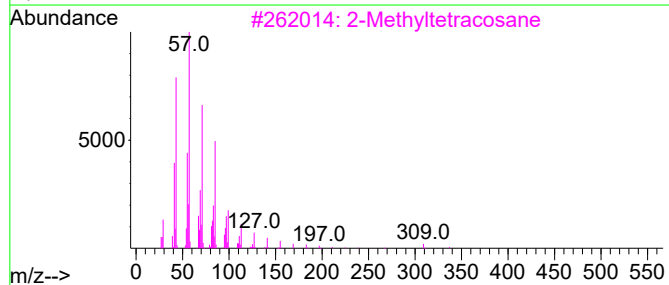
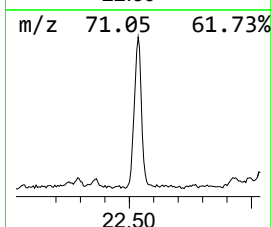
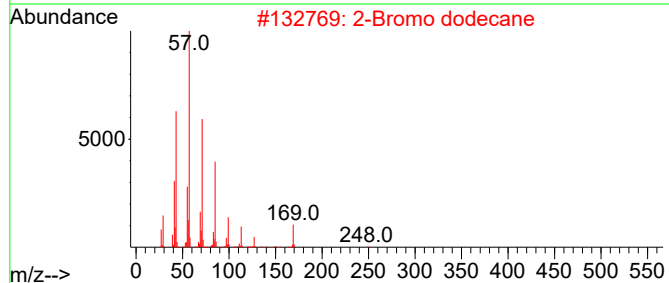
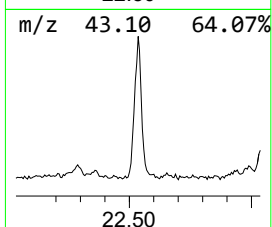
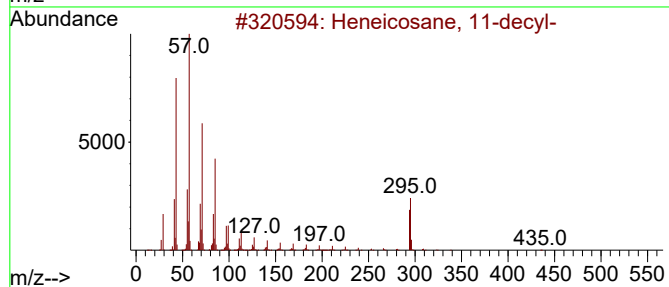
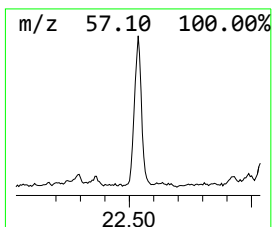
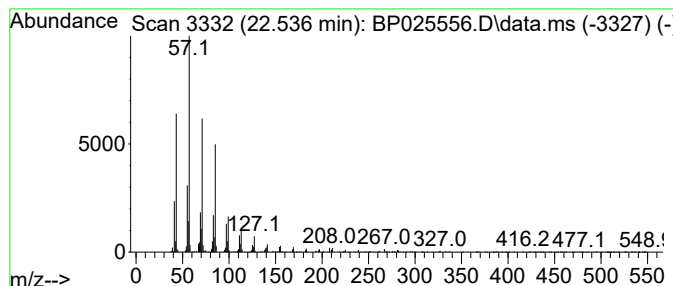
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Heneicosane, 11-decyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.536	5.18 ng	800070	Chrysene-d12	21.624

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heneicosane, 11-decyl-	437	C31H64	055320-06-4	93
2			2-Bromo dodecane	248	C12H25Br	013187-99-0	93
3			2-Methyltetracosane	352	C25H52	001560-78-7	90
4			Tetracosane	338	C24H50	000646-31-1	90
5			Hexacosane	366	C26H54	000630-01-3	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
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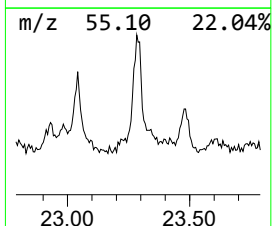
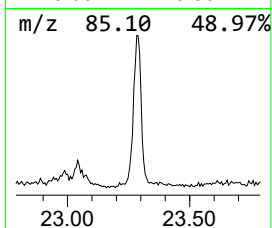
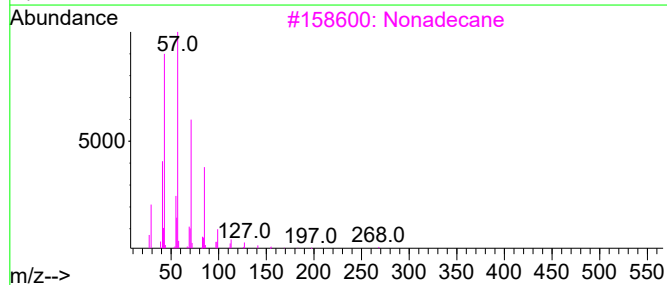
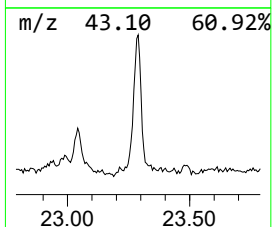
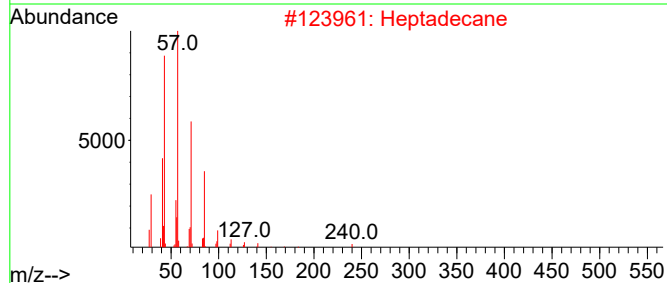
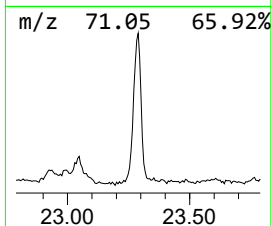
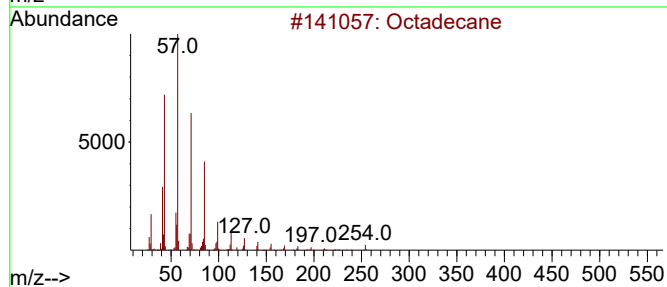
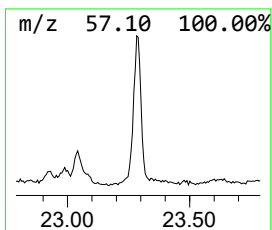
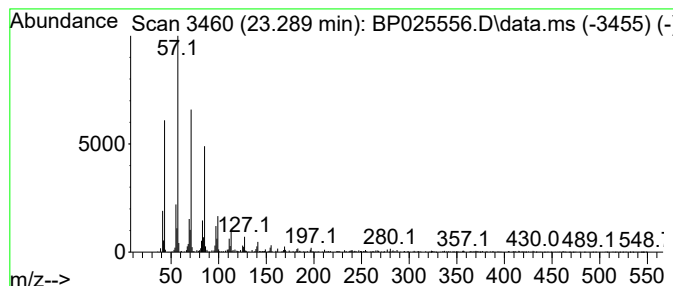
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Octadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.289	3.85 ng	594091	Chrysene-d12	21.624

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octadecane	254	C18H38	000593-45-3	95
2		Heptadecane	240	C17H36	000629-78-7	94
3		Nonadecane	268	C19H40	000629-92-5	93
4		Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	93
5		Heneicosane, 11-decyl-	437	C31H64	055320-06-4	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

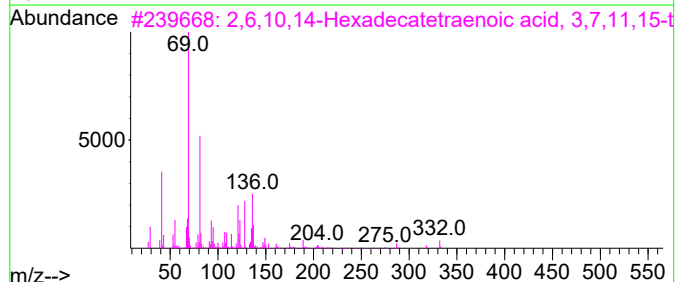
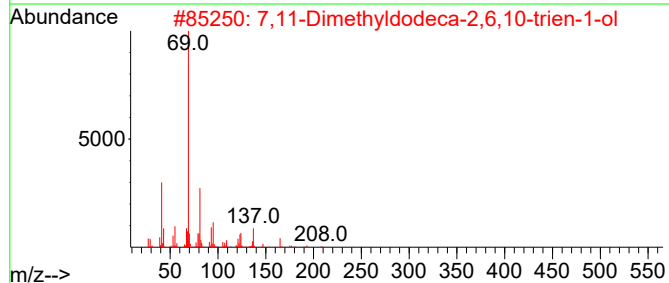
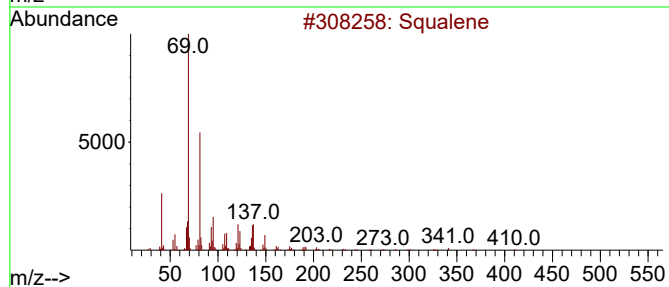
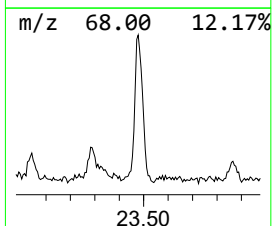
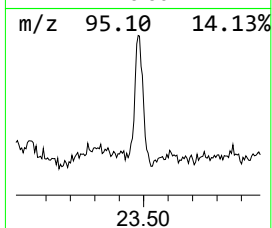
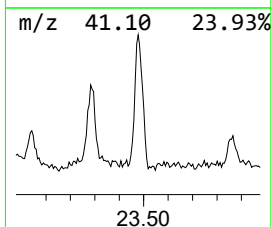
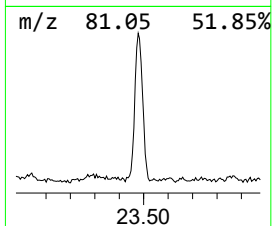
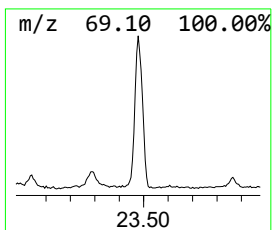
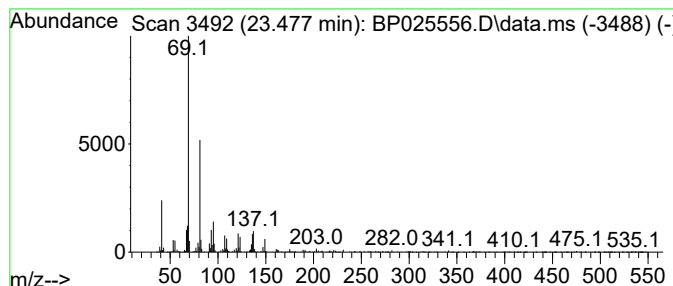
Instrument :
BNA_P
ClientSampleId :
ENV-SW04

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Squalene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.	
23.477	4.46 ng	701467	Perylene-d12		24.983	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Squalene		410	C30H50	000111-02-4	93
2	7,11-Dimethyldodeca-2,6,10-trien...		208	C14H24O	125529-10-4	81
3	2,6,10,14-Hexadecatetraenoic aci...		332	C22H36O2	024035-35-6	64
4	1,6-Octadiene, 3,5-dimethyl-, tr...		138	C10H18	074630-87-8	53
5	2,3,5-Trimethyl-2,3,5-hexanetric...		203	C12H17N3	003974-79-6	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

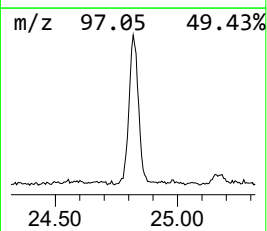
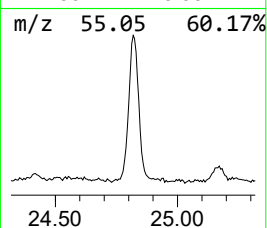
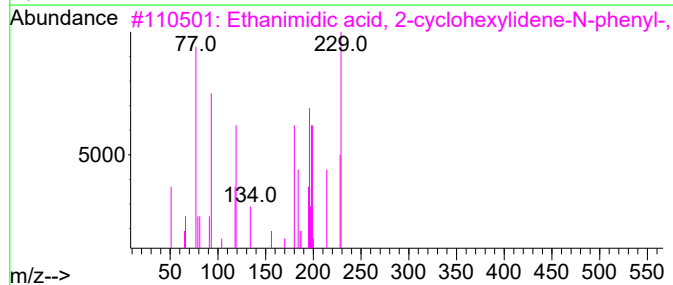
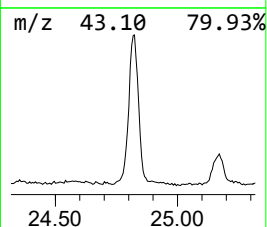
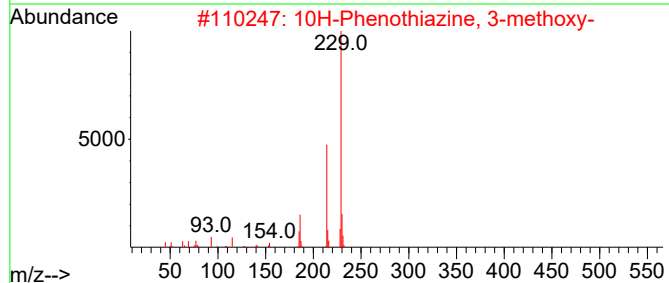
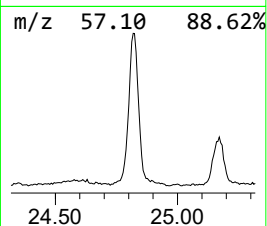
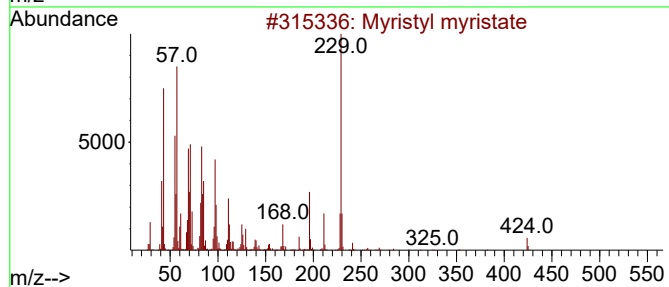
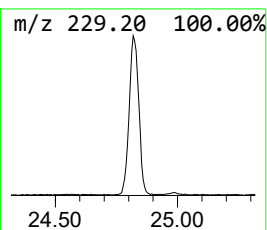
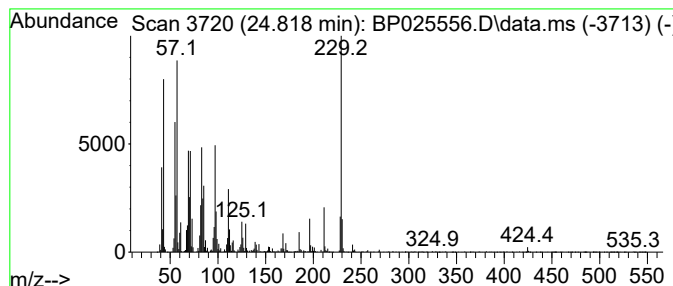
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Myristyl myristate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.818	17.66 ng	2777500	Perylene-d12	24.983

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Myristyl myristate	424	C28H56O2	003234-85-3	91
2			10H-Phenothiazine, 3-methoxy-	229	C13H11NOS	001771-19-3	18
3			Ethanimidic acid, 2-cyclohexylid...	229	C15H19NO	056830-05-8	18
4			Tetradecanoic acid, octyl ester	340	C22H44O2	016260-26-7	16
5			4-Acetyl-2,3-O-acetone-d-mannosan	244	C11H16O6	014440-55-2	16



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

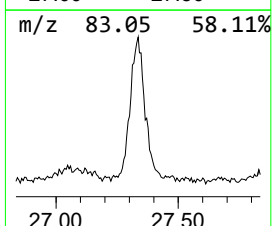
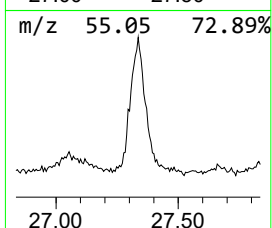
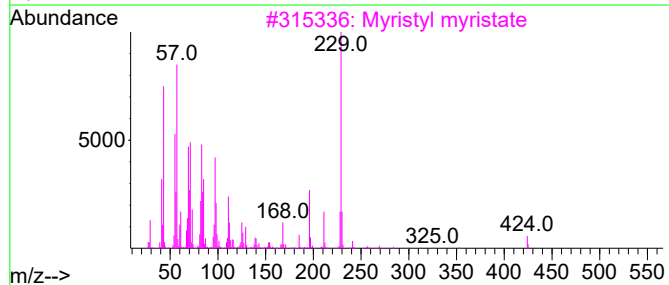
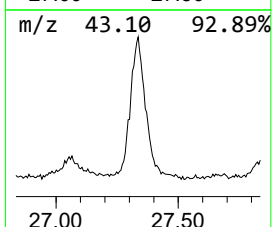
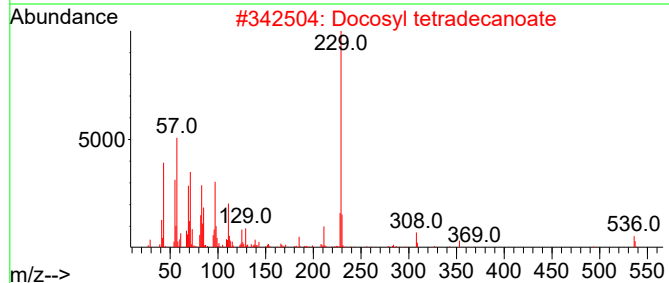
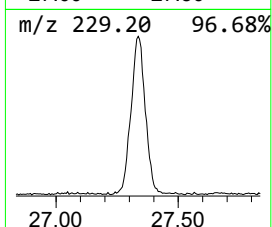
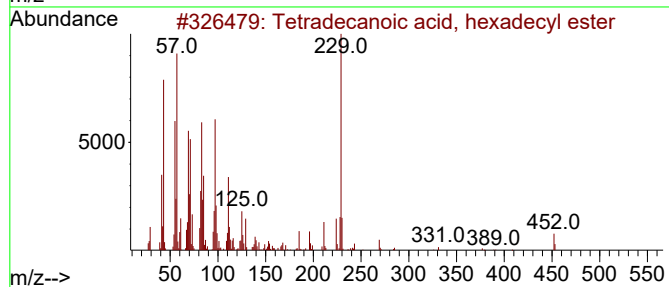
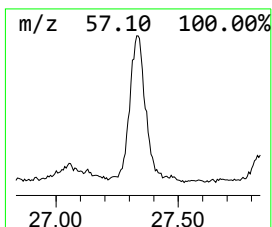
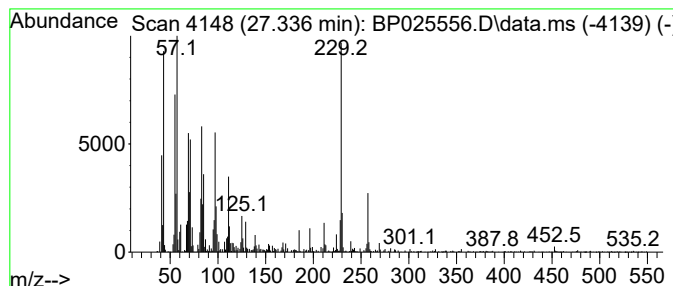
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Tetradecanoic acid, hexadec... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.336	15.16 ng	2384780	Perylene-d12	24.983

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecanoic acid, hexadecyl ester	452	C30H60O2	002599-01-1	90
2			Docosyl tetradecanoate	537	C36H72O2	042232-05-3	83
3			Myristyl myristate	424	C28H56O2	003234-85-3	64
4			Benzoic acid, 2-chloro-3,5-dinit...	260	C8H5ClN2O6	002213-79-8	22
5			4(E)-Amino-3(E)-phenyl-trans-bic...	229	C16H23N	1000132-27-2	20



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
3-Buten-2-one, ...	2.984	4.1	ng	232519	1	7.778	1141210	20.0
Butane, 2-metho...	3.031	65.7	ng	3746960	1	7.778	1141210	20.0
unknown3.078	3.078	4.8	ng	273669	1	7.778	1141210	20.0
unknown4.249	4.249	4.4	ng	251233	1	7.778	1141210	20.0
2-Pentanone, 4-...	4.937	7.4	ng	422546	1	7.778	1141210	20.0
Benzophenone	15.766	17.0	ng	1900250	3	14.389	2236000	20.0
Neophytadiene	17.254	9.3	ng	1291150	4	17.189	2776050	20.0
n-Hexadecanoic ...	18.136	30.4	ng	4214240	4	17.189	2776050	20.0
2-Arachidonoylg...	18.825	6.6	ng	918478	4	17.189	2776050	20.0
Phytol	19.189	4.5	ng	631737	4	17.189	2776050	20.0
9,12,15-Octadec...	19.342	7.0	ng	972614	4	17.189	2776050	20.0
Octadecanoic acid	19.454	8.8	ng	1354940	5	21.624	3089590	20.0
Heptadecane, 9-...	20.777	3.9	ng	594171	5	21.624	3089590	20.0
Cyclotetracosane	21.295	16.9	ng	2602920	5	21.624	3089590	20.0
Tetracosane	21.883	4.7	ng	719756	5	21.624	3089590	20.0
Heneicosane, 11...	22.536	5.2	ng	800070	5	21.624	3089590	20.0
Octadecane	23.289	3.9	ng	594091	5	21.624	3089590	20.0
Squalene	23.477	4.5	ng	701467	6	24.983	3145910	20.0
Myristyl myristate	24.818	17.7	ng	2777500	6	24.983	3145910	20.0
Tetradecanoic a...	27.336	15.2	ng	2384780	6	24.983	3145910	20.0



CALIBRATION SUMMARY

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AllianceContract: PORT06Lab Code: ACESDG No.: Q2934Instrument ID: BNA_PCalibration Date(s): 08/14/2025 08/14/2025Calibration Time(s): 12:33 17:24

LAB FILE ID:		RRF2.5 = BP025392.D			RRF005 = BP025393.D		RRF010 = BP025394.D	
		RRF020 = BP025395.D			RRF040 = BP025396.D		RRF050 = BP025397.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.232	1.177	1.194	1.162	1.240	1.204	2.4
Benzaldehyde			0.987	0.956	1.366	1.262	1.082	17.1
Phenol-d6		1.483	1.467	1.533	1.513	1.641	1.544	4.2
Phenol		1.594	1.529	1.613	1.575	1.707	1.620	3.9
bis(2-Chloroethyl)ether		1.283	1.183	1.273	1.222	1.321	1.263	3.8
2-Chlorophenol		1.351	1.283	1.347	1.313	1.428	1.359	3.8
2-Methylphenol		1.075	1.030	1.123	1.107	1.198	1.125	5.4
2,2-oxybis(1-Chloropropane)		1.762	1.592	1.712	1.620	1.751	1.692	4.0
Acetophenone		0.515	0.487	0.506	0.485	0.523	0.502	3.0
3+4-Methylphenols			1.442	1.533	1.525	1.639	1.560	4.9
n-Nitroso-di-n-propylamine	1.014	1.066	0.959	1.056	0.992	1.053	1.023	3.7
Nitrobenzene-d5		0.395	0.376	0.392	0.383	0.419	0.395	3.7
Hexachloroethane		0.577	0.544	0.552	0.545	0.588	0.563	3.1
Nitrobenzene		0.350	0.342	0.348	0.344	0.375	0.353	3.2
Isophorone		0.734	0.672	0.700	0.674	0.730	0.700	3.7
2-Nitrophenol		0.167	0.163	0.177	0.181	0.197	0.181	7.4
2,4-Dimethylphenol		0.303	0.303	0.296	0.308	0.336	0.312	4.5
bis(2-Chloroethoxy)methane		0.443	0.407	0.425	0.407	0.439	0.423	3.6
2,4-Dichlorophenol		0.293	0.293	0.308	0.305	0.331	0.310	4.7
Naphthalene		1.069	1.020	1.037	1.000	1.087	1.040	3.1
4-Chloroaniline		0.453	0.435	0.447	0.452	0.492	0.459	4.2
Hexachlorobutadiene		0.222	0.205	0.211	0.205	0.218	0.211	3.1
Caprolactam			0.114	0.110	0.109	0.120	0.114	3.7
4-Chloro-3-methylphenol		0.366	0.335	0.347	0.346	0.373	0.355	3.9
2-Methylnaphthalene		0.716	0.653	0.678	0.652	0.700	0.676	3.7
Hexachlorocyclopentadiene			0.274	0.313	0.348	0.387	0.349	13.5
2,4,6-Trichlorophenol		0.368	0.364	0.381	0.382	0.421	0.390	5.6
2-Fluorobiphenyl		1.558	1.483	1.507	1.392	1.517	1.463	5.0
2,4,5-Trichlorophenol		0.417	0.385	0.424	0.424	0.457	0.427	5.5
1,1-Biphenyl		1.495	1.418	1.457	1.408	1.537	1.453	3.4
2-Chloronaphthalene		1.152	1.093	1.144	1.101	1.184	1.131	3.0
2-Nitroaniline		0.301	0.306	0.317	0.330	0.360	0.329	6.9
Dimethylphthalate		1.569	1.449	1.438	1.403	1.512	1.465	4.1
Acenaphthylene		1.907	1.806	1.848	1.806	1.992	1.871	3.6

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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Fax : 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AllianceContract: PORT06Lab Code: ACESDG No.: Q2934Instrument ID: BNA_PCalibration Date(s): 08/14/2025 08/14/2025Calibration Time(s): 12:33 17:24

LAB FILE ID:		RRF2.5 = BP025392.D			RRF005 = BP025393.D		RRF010 = BP025394.D	
		RRF020 = BP025395.D			RRF040 = BP025396.D		RRF050 = BP025397.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.297	0.287	0.302	0.309	0.331	0.309	4.9
3-Nitroaniline		0.318	0.329	0.337	0.342	0.384	0.347	6.6
Acenaphthene		1.149	1.082	1.100	1.041	1.155	1.098	3.9
2,4-Dinitrophenol			0.114	0.140	0.163	0.186	0.165	19.8
4-Nitrophenol			0.251	0.265	0.279	0.315	0.285	8.6
Dibenzofuran		1.820	1.711	1.737	1.677	1.811	1.736	3.4
2,4-Dinitrotoluene		0.404	0.407	0.431	0.438	0.479	0.440	6.6
Diethylphthalate		1.615	1.475	1.465	1.434	1.540	1.488	4.5
4-Chlorophenyl-phenylether		0.761	0.684	0.679	0.651	0.690	0.681	5.9
Fluorene		1.506	1.391	1.390	1.306	1.415	1.370	6.0
4-Nitroaniline		0.341	0.336	0.349	0.351	0.387	0.356	4.9
4,6-Dinitro-2-methylphenol			0.096	0.113	0.123	0.139	0.125	14.2
n-Nitrosodiphenylamine		0.636	0.603	0.607	0.591	0.634	0.610	3.0
2,4,6-Tribromophenol		0.266	0.259	0.267	0.263	0.286	0.269	3.4
4-Bromophenyl-phenylether		0.233	0.206	0.217	0.213	0.230	0.220	4.3
Hexachlorobenzene		0.264	0.253	0.254	0.242	0.264	0.255	3.1
Atrazine		0.229	0.226	0.228	0.218	0.240	0.228	2.7
Pentachlorophenol			0.135	0.154	0.157	0.177	0.161	9.8
Phenanthrene		1.162	1.101	1.111	1.040	1.135	1.099	3.9
Anthracene		1.161	1.124	1.133	1.079	1.175	1.122	3.4
Carbazole		1.079	1.052	1.074	1.007	1.111	1.057	3.3
Di-n-butylphthalate		1.345	1.255	1.332	1.244	1.374	1.300	3.9
Fluoranthene		1.370	1.323	1.348	1.228	1.361	1.311	4.1
Pyrene		1.398	1.261	1.287	1.274	1.320	1.300	4.0
Terphenyl-d14		1.249	1.100	1.097	1.045	1.100	1.093	7.2
Butylbenzylphthalate		0.589	0.557	0.592	0.579	0.614	0.589	3.6
3,3-Dichlorobenzidine			0.482	0.507	0.488	0.521	0.497	3.3
Benzo (a) anthracene		1.384	1.302	1.313	1.268	1.359	1.319	3.2
Chrysene		1.292	1.214	1.249	1.182	1.280	1.235	3.5
Bis (2-ethylhexyl) phthalate		0.907	0.826	0.874	0.831	0.901	0.867	3.7
Di-n-octyl phthalate			1.381	1.498	1.444	1.572	1.492	4.8
Benzo (b) fluoranthene		1.203	1.126	1.171	1.134	1.250	1.179	3.6
Benzo (k) fluoranthene		1.202	1.157	1.200	1.130	1.226	1.180	3.2
Benzo (a) pyrene		1.139	1.093	1.150	1.108	1.219	1.148	3.8
Indeno (1,2,3-cd) pyrene		1.454	1.385	1.440	1.411	1.569	1.467	4.4

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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Fax : 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AllianceContract: PORT06Lab Code: ACESDG No.: Q2934Instrument ID: BNA_PCalibration Date(s): 08/14/2025 08/14/2025Calibration Time(s): 12:33 17:24

LAB FILE ID:		RRF2.5 = BP025392.D		RRF005 = BP025393.D		RRF010 = BP025394.D		
		RRF020 = BP025395.D		RRF040 = BP025396.D		RRF050 = BP025397.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo (a,h) anthracene		1.180	1.125	1.179	1.156	1.290	1.199	4.6
Benzo (g,h,i) perylene		1.162	1.118	1.169	1.138	1.248	1.178	3.9
1,2,4,5-Tetrachlorobenzene		0.578	0.559	0.585	0.560	0.610	0.578	3.0
1,4-Dioxane		0.520	0.464	0.475	0.445	0.479	0.472	5.1
2,3,4,6-Tetrachlorophenol		0.375	0.360	0.366	0.368	0.402	0.377	4.0

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP081425.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Aug 14 18:14:31 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BP025392.D 5 =BP025393.D 10 =BP025394.D 20 =BP025395.D 40 =BP025396.D 50 =BP025397.D 60 =BP025398.D 80 =BP025399.D

Compound		2.5	5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.520	0.464	0.475	0.445	0.479	0.462	0.458	0.472	5.07	
3)	Pyridine	1.446	1.250	1.256	1.220	1.317	1.281	1.268	1.291	5.77	
4)	n-Nitrosodimet...		0.515	0.512	0.511	0.559	0.555	0.541	0.532	4.13	
5) S	2-Fluorophenol	1.232	1.177	1.194	1.162	1.240	1.226	1.199	1.204	2.42	
6)	Aniline	2.098	1.962	2.030	2.020	2.194	2.164	2.094	2.080	3.96	
7) S	Phenol-d6	1.483	1.467	1.533	1.513	1.641	1.609	1.563	1.544	4.16	
8)	2-Chlorophenol	1.351	1.283	1.347	1.313	1.428	1.414	1.378	1.359	3.83	
9)	Benzaldehyde		0.987	0.956	1.366	1.262	1.005	0.915	1.082	17.12	
10) C	Phenol	1.594	1.529	1.613	1.575	1.707	1.688	1.635	1.620	3.87	
11)	bis(2-Chloroet...	1.283	1.183	1.273	1.222	1.321	1.303	1.255	1.263	3.78	
12)	1,3-Dichlorobe...	1.532	1.433	1.503	1.443	1.555	1.530	1.493	1.499	3.07	
13) C	1,4-Dichlorobe...	1.587	1.490	1.527	1.467	1.596	1.544	1.510	1.532	3.12	
14)	1,2-Dichlorobe...	1.558	1.430	1.491	1.431	1.533	1.487	1.449	1.483	3.35	
15)	Benzyl Alcohol		1.138	1.205	1.193	1.287	1.289	1.250	1.227	4.83	
16)	2,2'-oxybis(1-...	1.762	1.592	1.712	1.620	1.751	1.740	1.665	1.692	3.96	
17)	2-Methylphenol	1.075	1.030	1.123	1.107	1.198	1.191	1.154	1.125	5.41	
18)	Hexachloroethane	0.577	0.544	0.552	0.545	0.588	0.578	0.559	0.563	3.13	
19) P	n-Nitroso-di-n...	1.014	1.066	0.959	1.056	0.992	1.053	1.042	1.000	1.023	3.68
20)	3+4-Methylphenols		1.442	1.533	1.525	1.639	1.640	1.580	1.560	4.87	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.515	0.487	0.506	0.485	0.523	0.506	0.488	0.502	2.96	
23) S	Nitrobenzene-d5	0.395	0.376	0.392	0.383	0.419	0.408	0.394	0.395	3.65	
24)	Nitrobenzene	0.350	0.342	0.348	0.344	0.375	0.362	0.352	0.353	3.21	
25)	Isophorone	0.734	0.672	0.700	0.674	0.730	0.709	0.680	0.700	3.70	
26) C	2-Nitrophenol	0.167	0.163	0.177	0.181	0.197	0.195	0.190	0.181	7.43	
27)	2,4-Dimethylph...	0.303	0.303	0.296	0.308	0.336	0.325	0.313	0.312	4.46	
28)	bis(2-Chloroet...	0.443	0.407	0.425	0.407	0.439	0.430	0.410	0.423	3.61	
29) C	2,4-Dichloroph...	0.293	0.293	0.308	0.305	0.331	0.324	0.314	0.310	4.71	
30)	1,2,4-Trichlor...	0.357	0.329	0.335	0.327	0.354	0.344	0.332	0.340	3.61	
31)	Naphthalene	1.069	1.020	1.037	1.000	1.087	1.052	1.011	1.040	3.06	
32)	Benzoic acid		0.188	0.207	0.227	0.249	0.255	0.255	0.230	12.20	
33)	4-Chloroaniline	0.453	0.435	0.447	0.452	0.492	0.478	0.458	0.459	4.19	
34) C	Hexachlorobuta...	0.222	0.205	0.211	0.205	0.218	0.213	0.207	0.211	3.05	
35)	Caprolactam		0.114	0.110	0.109	0.120	0.116	0.113	0.114	3.67	
36) C	4-Chloro-3-met...	0.366	0.335	0.347	0.346	0.373	0.368	0.353	0.355	3.85	
37)	2-Methylnaphth...	0.716	0.653	0.678	0.652	0.700	0.682	0.654	0.676	3.69	
38)	1-Methylnaphth...	0.777	0.706	0.713	0.686	0.751	0.719	0.685	0.719	4.67	

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP081425.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.578	0.559	0.585	0.560	0.610	0.581	0.571	0.578	3.00	
41) P	Hexachlorocycl...	0.274	0.313	0.348	0.387	0.388	0.383	0.349		13.46	
42) S	2,4,6-Tribromo...	0.266	0.259	0.267	0.263	0.286	0.275	0.268	0.269	3.39	
43) C	2,4,6-Trichlor...	0.368	0.364	0.381	0.382	0.421	0.408	0.405	0.390	5.56	
44)	2,4,5-Trichlor...	0.417	0.385	0.424	0.424	0.457	0.448	0.437	0.427	5.52	
45) S	2-Fluorobiphenyl	1.558	1.483	1.507	1.392	1.517	1.435	1.351	1.463	5.04	
46)	1,1'-Biphenyl	1.495	1.418	1.457	1.408	1.537	1.445	1.407	1.453	3.37	
47)	2-Chloronaphth...	1.152	1.093	1.144	1.101	1.184	1.142	1.100	1.131	2.99	
48)	2-Nitroaniline	0.301	0.306	0.317	0.330	0.360	0.351	0.341	0.329	6.85	
49)	Acenaphthylene	1.907	1.806	1.848	1.806	1.992	1.907	1.832	1.871	3.63	
50)	Dimethylphthalate	1.569	1.449	1.438	1.403	1.512	1.479	1.403	1.465	4.12	
51)	2,6-Dinitrotol...	0.297	0.287	0.302	0.309	0.331	0.323	0.311	0.309	4.95	
52) C	Acenaphthene	1.149	1.082	1.100	1.041	1.155	1.106	1.056	1.098	3.93	
53)	3-Nitroaniline	0.318	0.329	0.337	0.342	0.384	0.367	0.354	0.347	6.56	
54) P	2,4-Dinitrophenol	0.114	0.140	0.163	0.186	0.192	0.194	0.165		19.83	
55)	Dibenzofuran	1.820	1.711	1.737	1.677	1.811	1.729	1.672	1.736	3.40	
56) P	4-Nitrophenol	0.251	0.265	0.279	0.315	0.304	0.298	0.285		8.56	
57)	2,4-Dinitrotol...	0.404	0.407	0.431	0.438	0.479	0.471	0.454	0.440	6.61	
58)	Fluorene	1.506	1.391	1.390	1.306	1.415	1.330	1.253	1.370	6.02	
59)	2,3,4,6-Tetrac...	0.375	0.360	0.366	0.368	0.402	0.392	0.379	0.377	4.01	
60)	Diethylphthalate	1.615	1.475	1.465	1.434	1.540	1.459	1.430	1.488	4.48	
61)	4-Chlorophenyl...	0.761	0.684	0.679	0.651	0.690	0.671	0.634	0.681	5.91	
62)	4-Nitroaniline	0.341	0.336	0.349	0.351	0.387	0.370	0.359	0.356	4.89	
63)	Azobenzene	1.315	1.226	1.274	1.237	1.341	1.301	1.227	1.274	3.62	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.096	0.113	0.123	0.139	0.139	0.138	0.125		14.21	
66) c	n-Nitrosodiphe...	0.636	0.603	0.607	0.591	0.634	0.605	0.594	0.610	2.99	
67)	4-Bromophenyl-...	0.233	0.206	0.217	0.213	0.230	0.223	0.218	0.220	4.34	
68)	Hexachlorobenzene	0.264	0.253	0.254	0.242	0.264	0.257	0.251	0.255	3.06	
69)	Atrazine	0.229	0.226	0.228	0.218	0.240	0.229	0.229	0.228	2.74	
70) C	Pentachlorophenol	0.135	0.154	0.157	0.177	0.171	0.172	0.161		9.76	
71)	Phenanthrene	1.162	1.101	1.111	1.040	1.135	1.085	1.057	1.099	3.88	
72)	Anthracene	1.161	1.124	1.133	1.079	1.175	1.101	1.080	1.122	3.37	
73)	Carbazole	1.079	1.052	1.074	1.007	1.111	1.053	1.022	1.057	3.32	
74)	Di-n-butylphth...	1.345	1.255	1.332	1.244	1.374	1.285	1.265	1.300	3.86	
75) C	Fluoranthene	1.370	1.323	1.348	1.228	1.361	1.286	1.258	1.311	4.13	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.642	0.642	0.967	0.664	0.608	0.573	0.683		20.94	
78)	Pyrene	1.398	1.261	1.287	1.274	1.320	1.319	1.241	1.300	4.00	
79) S	Terphenyl-d14	1.249	1.100	1.097	1.045	1.100	1.061	0.999	1.093	7.15	
80)	Butylbenzylpht...	0.589	0.557	0.592	0.579	0.614	0.616	0.578	0.589	3.55	
81)	Benzo(a)anthra...	1.384	1.302	1.313	1.268	1.359	1.333	1.275	1.319	3.21	
82)	3,3'-Dichlorob...	0.482	0.507	0.488	0.521	0.506	0.480	0.497		3.31	
83)	Chrysene	1.292	1.214	1.249	1.182	1.280	1.243	1.186	1.235	3.49	
84)	Bis(2-ethylhex...	0.907	0.826	0.874	0.831	0.901	0.882	0.850	0.867	3.73	
85) c	Di-n-octyl pht...	1.381	1.498	1.444	1.572	1.563	1.491	1.492		4.84	

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP081425.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.454	1.385	1.440	1.411	1.569	1.522	1.486	1.467	4.36
88)	Benzo(b)fluora...	1.203	1.126	1.171	1.134	1.250	1.197	1.175	1.179	3.60
89)	Benzo(k)fluora...	1.202	1.157	1.200	1.130	1.226	1.206	1.141	1.180	3.16
90) C	Benzo(a)pyrene	1.139	1.093	1.150	1.108	1.219	1.185	1.141	1.148	3.77
91)	Dibenzo(a,h)an...	1.180	1.125	1.179	1.156	1.290	1.244	1.216	1.199	4.64
92)	Benzo(g,h,i)pe...	1.162	1.118	1.169	1.138	1.248	1.220	1.192	1.178	3.86

(#) = Out of Range

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025392.D
Acq On : 14 Aug 2025 12:33
Operator : CG/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 14 17:51:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

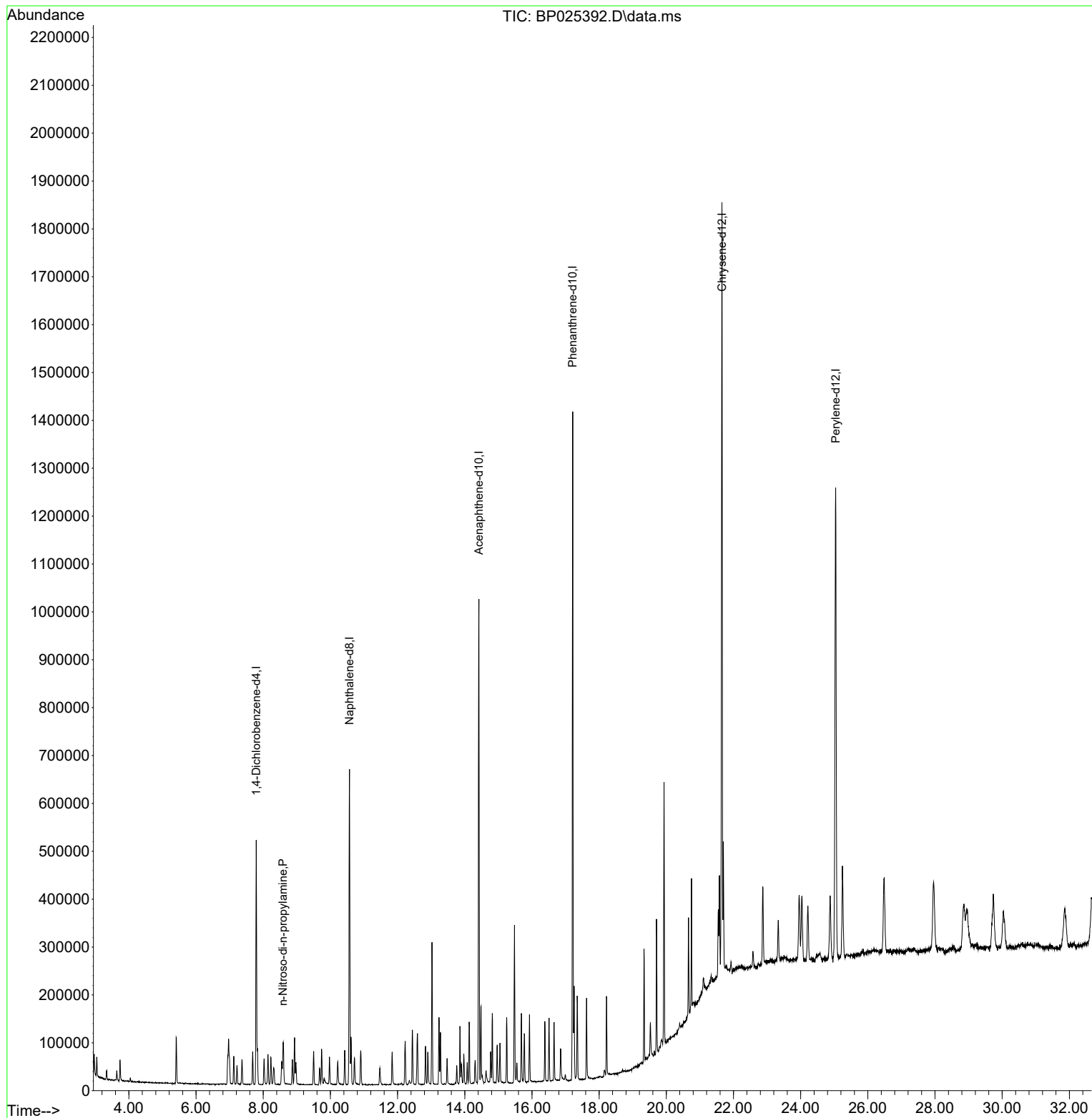
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	140275	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	567766	20.000	ng	0.00
39) Acenaphthene-d10	14.419	164	380728	20.000	ng	0.01
64) Phenanthrene-d10	17.213	188	796256	20.000	ng	0.01
76) Chrysene-d12	21.660	240	884747	20.000	ng	0.01
86) Perylene-d12	25.042	264	1005304	20.000	ng	0.01
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						
19) n-Nitroso-di-n-propyla...	8.584	70	17781	2.476	ng	Qvalue 99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025392.D
Acq On : 14 Aug 2025 12:33
Operator : CG/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 14 17:51:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025393.D
 Acq On : 14 Aug 2025 13:15
 Operator : CG/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:52:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	130958	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	551384	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	392376	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	816331	20.000	ng	0.00
76) Chrysene-d12	21.654	240	858165	20.000	ng	0.00
86) Perylene-d12	25.036	264	963881	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	80645	10.227	ng	0.00
7) Phenol-d6	6.966	99	97106	9.605	ng	0.00
23) Nitrobenzene-d5	8.931	82	108814	9.983	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	52188	9.881	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	305742	10.649	ng	0.00
79) Terphenyl-d14	19.925	244	536049	11.428	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.337	88	17016	5.509	ng	95
3) Pyridine	3.731	79	47347	5.600	ng	95
6) Aniline	7.119	93	68694	5.043	ng	100
8) 2-Chlorophenol	7.366	128	44217	4.969	ng	98
10) Phenol	6.990	94	52186	4.919	ng	98
11) bis(2-Chloroethyl)ether	7.219	93	41995	5.079	ng	98
12) 1,3-Dichlorobenzene	7.684	146	50146	5.111	ng	96
13) 1,4-Dichlorobenzene	7.825	146	51948	5.180	ng	97
14) 1,2-Dichlorobenzene	8.143	146	50995	5.253	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.313	45	57686	5.208	ng	98
17) 2-Methylphenol	8.225	107	35186	4.776	ng	96
18) Hexachloroethane	8.866	117	18905	5.127	ng	99
19) n-Nitroso-di-n-propyla...	8.584	70	34898	5.205	ng	95
22) Acetophenone	8.602	105	70986	5.134	ng	# 96
24) Nitrobenzene	8.972	77	48234	4.951	ng	99
25) Isophorone	9.496	82	101112	5.242	ng	98
26) 2-Nitrophenol	9.678	139	23020	4.605	ng	95
27) 2,4-Dimethylphenol	9.737	122	41790	4.861	ng	99
28) bis(2-Chloroethoxy)met...	9.972	93	61017	5.233	ng	98
29) 2,4-Dichlorophenol	10.213	162	40336	4.723	ng	94
30) 1,2,4-Trichlorobenzene	10.425	180	49237	5.259	ng	97
31) Naphthalene	10.613	128	147346	5.141	ng	99
33) 4-Chloroaniline	10.713	127	62452	4.933	ng	96
34) Hexachlorobutadiene	10.902	225	30559	5.241	ng	95
36) 4-Chloro-3-methylphenol	11.837	107	50515	5.154	ng	91
37) 2-Methylnaphthalene	12.219	142	98648	5.289	ng	97
38) 1-Methylnaphthalene	12.437	142	107044	5.397	ng	97
40) 1,2,4,5-Tetrachloroben...	12.590	216	56676	5.001	ng	100
43) 2,4,6-Trichlorophenol	12.831	196	36093	4.718	ng	95
44) 2,4,5-Trichlorophenol	12.901	196	40875	4.875	ng	95
46) 1,1'-Biphenyl	13.237	154	146651	5.146	ng	98
47) 2-Chloronaphthalene	13.272	162	113015	5.094	ng	99
48) 2-Nitroaniline	13.466	65	29527	4.568	ng	98
49) Acenaphthylene	14.125	152	187026	5.095	ng	99
50) Dimethylphthalate	13.860	163	153868	5.355	ng	99
51) 2,6-Dinitrotoluene	13.966	165	29088	4.803	ng	94

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025393.D
 Acq On : 14 Aug 2025 13:15
 Operator : CG/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:52:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthene	14.472	154	112730m	5.232	ng	
53) 3-Nitroaniline	14.301	138	31224	4.583	ng	85
55) Dibenzofuran	14.813	168	178494	5.240	ng	99
57) 2,4-Dinitrotoluene	14.760	165	39658	4.590	ng	94
58) Fluorene	15.472	166	147760	5.497	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.037	232	36779	4.968	ng	99
60) Diethylphthalate	15.237	149	158426	5.426	ng	99
61) 4-Chlorophenyl-phenyle...	15.466	204	74636	5.583	ng	99
62) 4-Nitroaniline	15.478	138	33466	4.791	ng	90
63) Azobenzene	15.760	77	128978	5.159	ng	99
66) n-Nitrosodiphenylamine	15.678	169	129805	5.214	ng	97
67) 4-Bromophenyl-phenylether	16.378	248	47579	5.299	ng	98
68) Hexachlorobenzene	16.501	284	53940	5.183	ng	98
69) Atrazine	16.648	200	46750	5.015	ng	96
71) Phenanthrene	17.248	178	237107	5.287	ng	98
72) Anthracene	17.342	178	236938	5.174	ng	99
73) Carbazole	17.619	167	220112	5.103	ng	98
74) Di-n-butylphthalate	18.231	149	274467	5.172	ng	99
75) Fluoranthene	19.336	202	279497	5.225	ng	99
78) Pyrene	19.713	202	299922	5.377	ng	98
80) Butylbenzylphthalate	20.654	149	126321	4.997	ng	99
81) Benzo(a)anthracene	21.636	228	296847	5.245	ng	100
83) Chrysene	21.701	228	277175	5.229	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	194541	5.228	ng	97
87) Indeno(1,2,3-cd)pyrene	28.865	276	350414	4.956	ng	98
88) Benzo(b)fluoranthene	23.960	252	289797	5.099	ng	99
89) Benzo(k)fluoranthene	24.042	252	289556	5.091	ng	98
90) Benzo(a)pyrene	24.877	252	274440	4.960	ng	99
91) Dibenzo(a,h)anthracene	28.942	278	284440	4.924	ng	100
92) Benzo(g,h,i)perylene	30.036	276	279987	4.931	ng	97

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

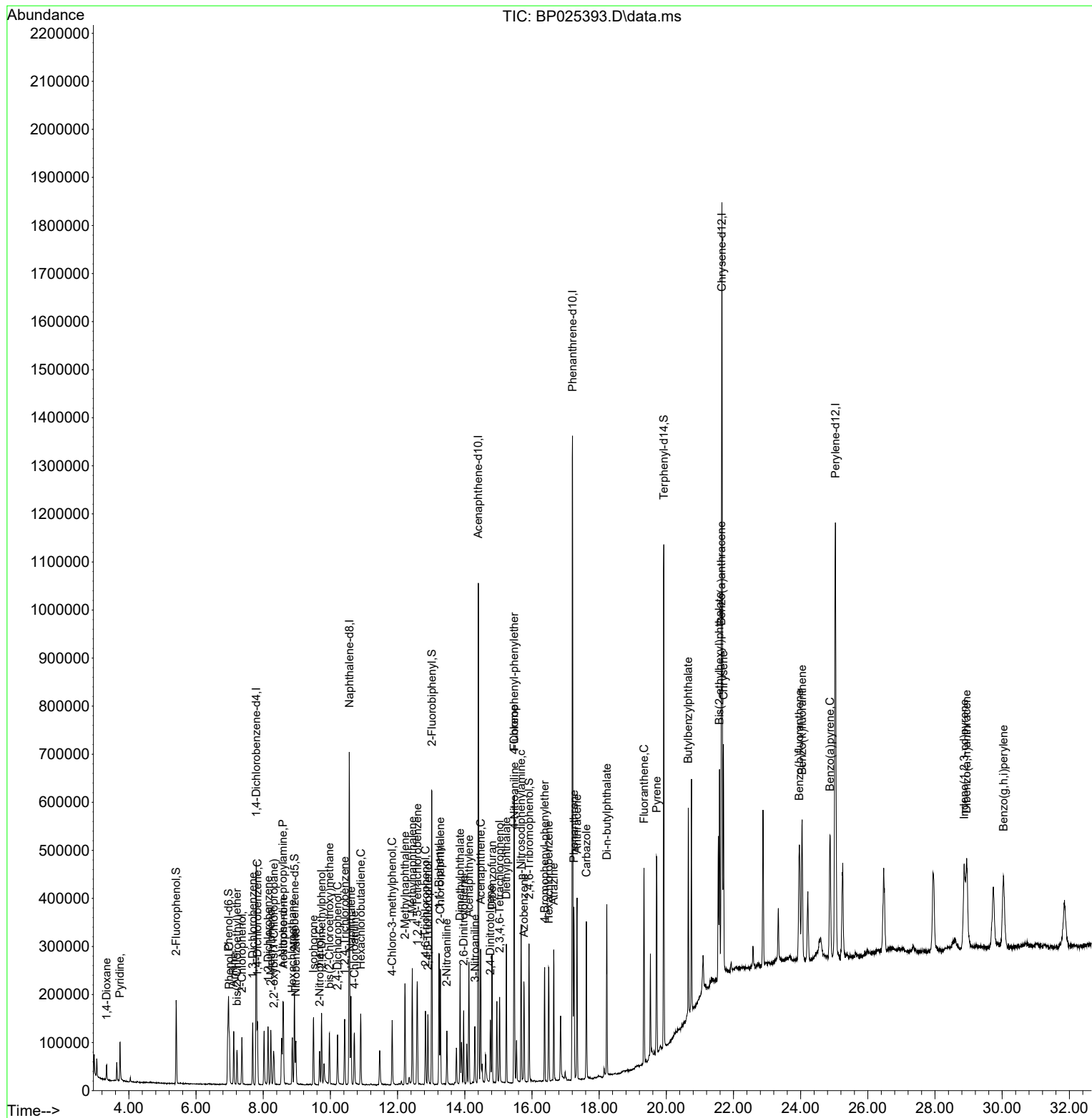
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025393.D
Acq On : 14 Aug 2025 13:15
Operator : CG/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jaagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:52:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025394.D
 Acq On : 14 Aug 2025 13:56
 Operator : CG/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:53:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	137852	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	563995	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	383199	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	780940	20.000	ng	0.00
76) Chrysene-d12	21.648	240	860386	20.000	ng	0.00
86) Perylene-d12	25.036	264	980670	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	162289	19.551	ng	0.00
7) Phenol-d6	6.966	99	202204	19.000	ng	0.00
23) Nitrobenzene-d5	8.931	82	212236	19.036	ng	0.00
42) 2,4,6-Tribromophenol	15.919	330	99083	19.210	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	568359	20.271	ng	0.00
79) Terphenyl-d14	19.924	244	946422	20.125	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	31948	9.826	ng	98
3) Pyridine	3.731	79	86156	9.681	ng	100
4) n-Nitrosodimethylamine	3.637	42	35519	9.681	ng	# 99
6) Aniline	7.125	93	135217	9.430	ng	99
8) 2-Chlorophenol	7.366	128	88413	9.439	ng	98
9) Benzaldehyde	6.943	77	68064m	9.129	ng	
10) Phenol	6.996	94	105394	9.438	ng	99
11) bis(2-Chloroethyl)ether	7.219	93	81541	9.368	ng	98
12) 1,3-Dichlorobenzene	7.684	146	98782	9.564	ng	98
13) 1,4-Dichlorobenzene	7.825	146	102729	9.731	ng	98
14) 1,2-Dichlorobenzene	8.143	146	98589	9.647	ng	98
15) Benzyl Alcohol	8.025	79	78411	9.273	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.313	45	109744	9.412	ng	99
17) 2-Methylphenol	8.231	107	70991	9.153	ng	98
18) Hexachloroethane	8.866	117	37473	9.654	ng	98
19) n-Nitroso-di-n-propyla...	8.584	70	66105	9.366	ng	99
20) 3+4-Methylphenols	8.549	107	99382	9.244	ng	97
22) Acetophenone	8.602	105	137361	9.712	ng	# 98
24) Nitrobenzene	8.972	77	96502	9.685	ng	97
25) Isophorone	9.502	82	189510	9.604	ng	99
26) 2-Nitrophenol	9.678	139	45860	8.968	ng	96
27) 2,4-Dimethylphenol	9.737	122	85465	9.718	ng	98
28) bis(2-Chloroethoxy)met...	9.972	93	114635	9.611	ng	99
29) 2,4-Dichlorophenol	10.213	162	82676	9.464	ng	97
30) 1,2,4-Trichlorobenzene	10.431	180	92664	9.676	ng	94
31) Naphthalene	10.613	128	287754	9.816	ng	99
32) Benzoic acid	9.825	122	53034m	8.188	ng	
33) 4-Chloroaniline	10.713	127	122647	9.472	ng	98
34) Hexachlorobutadiene	10.901	225	57821	9.695	ng	97
35) Caprolactam	11.472	113	32038	10.001	ng	93
36) 4-Chloro-3-methylphenol	11.837	107	94538	9.431	ng	97
37) 2-Methylnaphthalene	12.219	142	184172	9.654	ng	100
38) 1-Methylnaphthalene	12.437	142	199160	9.817	ng	97
40) 1,2,4,5-Tetrachloroben...	12.590	216	107104	9.678	ng	99
41) Hexachlorocyclopentadiene	12.572	237	52588	7.867	ng	97
43) 2,4,6-Trichlorophenol	12.831	196	69780	9.339	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025394.D
 Acq On : 14 Aug 2025 13:56
 Operator : CG/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:53:41 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Aug 14 17:44:43 2025

Response via : Initial Calibration

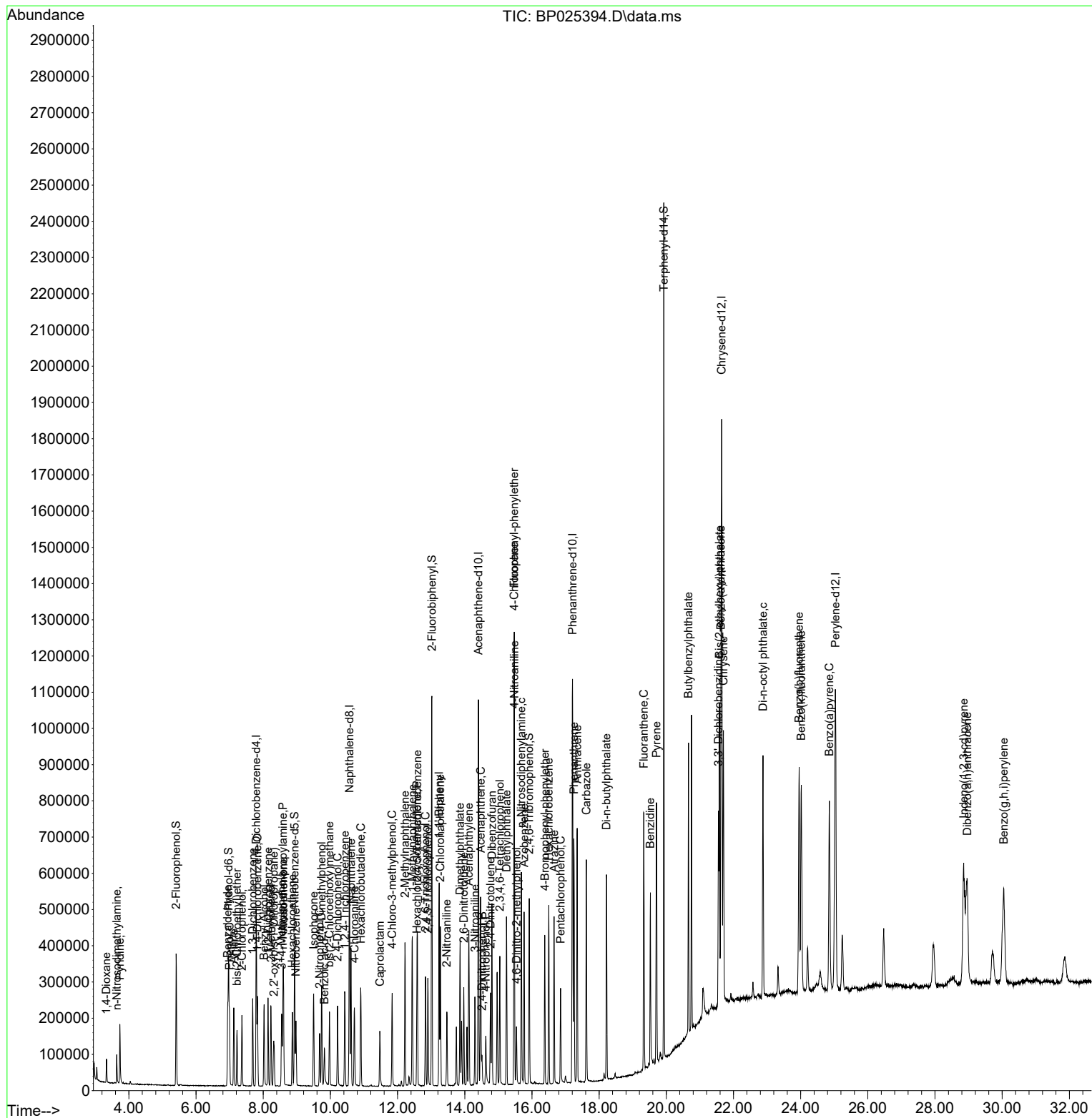
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	73744	9.006	ng	98
46) 1,1'-Biphenyl	13.237	154	271710	9.763	ng	98
47) 2-Chloronaphthalene	13.272	162	209419	9.666	ng	99
48) 2-Nitroaniline	13.466	65	58630	9.287	ng	97
49) Acenaphthylene	14.119	152	346021	9.652	ng	99
50) Dimethylphthalate	13.860	163	277701	9.896	ng	99
51) 2,6-Dinitrotoluene	13.972	165	54957	9.292	ng	96
52) Acenaphthene	14.472	154	207239m	9.848	ng	
53) 3-Nitroaniline	14.301	138	62991	9.466	ng	93
54) 2,4-Dinitrophenol	14.513	184	21748	6.886	ng	99
55) Dibenzofuran	14.807	168	327734	9.851	ng	100
56) 4-Nitrophenol	14.625	139	48103	8.797	ng	97
57) 2,4-Dinitrotoluene	14.766	165	77950	9.237	ng	100
58) Fluorene	15.472	166	266610	10.156	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.042	232	68931	9.533	ng	99
60) Diethylphthalate	15.242	149	282526	9.909	ng	98
61) 4-Chlorophenyl-phenyle...	15.466	204	131137	10.044	ng	99
62) 4-Nitroaniline	15.478	138	64375	9.437	ng	99
63) Azobenzene	15.766	77	234879	9.620	ng	98
65) 4,6-Dinitro-2-methylph...	15.542	198	37380	7.679	ng	97
66) n-Nitrosodiphenylamine	15.684	169	235344	9.883	ng	100
67) 4-Bromophenyl-phenylether	16.384	248	80373	9.358	ng	98
68) Hexachlorobenzene	16.501	284	98614	9.905	ng	96
69) Atrazine	16.660	200	88240	9.894	ng	98
70) Pentachlorophenol	16.854	266	52539	8.360	ng	97
71) Phenanthrene	17.248	178	429752	10.018	ng	99
72) Anthracene	17.348	178	438953	10.020	ng	100
73) Carbazole	17.619	167	410726	9.954	ng	99
74) Di-n-butylphthalate	18.219	149	490232	9.656	ng	99
75) Fluoranthene	19.330	202	516523	10.094	ng	99
77) Benzidine	19.525	184	276193	9.406	ng	99
78) Pyrene	19.707	202	542670	9.704	ng	100
80) Butylbenzylphthalate	20.660	149	239416	9.446	ng	98
81) Benzo(a)anthracene	21.624	228	560279	9.874	ng	99
82) 3,3'-Dichlorobenzidine	21.554	252	207153	9.686	ng	99
83) Chrysene	21.701	228	522411	9.831	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	355530	9.529	ng	99
85) Di-n-octyl phthalate	22.877	149	594195	9.259	ng	99
87) Indeno(1,2,3-cd)pyrene	28.853	276	678980m	9.438	ng	
88) Benzo(b)fluoranthene	23.954	252	552191	9.549	ng	99
89) Benzo(k)fluoranthene	24.018	252	567080	9.800	ng	98
90) Benzo(a)pyrene	24.854	252	535820	9.519	ng	99
91) Dibenzo(a,h)anthracene	28.959	278	551694	9.387	ng	99
92) Benzo(g,h,i)perylene	30.047	276	548117	9.489	ng	99

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jaagrut Upadhyay 08/15/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025395.D
 Acq On : 14 Aug 2025 14:38
 Operator : CG/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:54:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	141721	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	603797	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	399034	20.000	ng	0.00
64) Phenanthrene-d10	17.213	188	785736	20.000	ng	0.01
76) Chrysene-d12	21.654	240	852065	20.000	ng	0.00
86) Perylene-d12	25.036	264	958651	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	338568	39.674	ng	0.00
7) Phenol-d6	6.966	99	434388	39.702	ng	0.00
23) Nitrobenzene-d5	8.931	82	473937	39.706	ng	0.00
42) 2,4,6-Tribromophenol	15.925	330	212968	39.651	ng	0.01
45) 2-Fluorobiphenyl	13.025	172	1203064	41.205	ng	0.00
79) Terphenyl-d14	19.930	244	1869951	40.152	ng	0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	67276	20.126	ng	99
3) Pyridine	3.731	79	177948	19.450	ng	98
4) n-Nitrosodimethylamine	3.637	42	72627	19.255	ng	# 96
6) Aniline	7.125	93	287645	19.513	ng	99
8) 2-Chlorophenol	7.366	128	190858	19.819	ng	99
9) Benzaldehyde	6.937	77	135464	17.672	ng	99
10) Phenol	6.990	94	228580	19.910	ng	98
11) bis(2-Chloroethyl)ether	7.219	93	180390	20.159	ng	98
12) 1,3-Dichlorobenzene	7.684	146	213023	20.061	ng	99
13) 1,4-Dichlorobenzene	7.825	146	216400	19.938	ng	99
14) 1,2-Dichlorobenzene	8.143	146	211243	20.106	ng	99
15) Benzyl Alcohol	8.019	79	170736	19.640	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.307	45	242616	20.240	ng	99
17) 2-Methylphenol	8.225	107	159119	19.956	ng	98
18) Hexachloroethane	8.866	117	78205	19.597	ng	94
19) n-Nitroso-di-n-propyla...	8.584	70	149715	20.633	ng	97
20) 3+4-Methylphenols	8.543	107	217240	19.655	ng	98
22) Acetophenone	8.596	105	305812	20.196	ng	99
24) Nitrobenzene	8.972	77	210234	19.708	ng	100
25) Isophorone	9.496	82	422370	19.995	ng	99
26) 2-Nitrophenol	9.678	139	106805	19.509	ng	98
27) 2,4-Dimethylphenol	9.743	122	178534	18.963	ng	99
28) bis(2-Chloroethoxy)met...	9.972	93	256656	20.100	ng	99
29) 2,4-Dichlorophenol	10.207	162	186076	19.896	ng	99
30) 1,2,4-Trichlorobenzene	10.425	180	201995	19.702	ng	98
31) Naphthalene	10.613	128	625899	19.944	ng	99
32) Benzoic acid	9.843	122	124836m	18.004	ng	
33) 4-Chloroaniline	10.713	127	270158	19.489	ng	99
34) Hexachlorobutadiene	10.901	225	127593	19.983	ng	99
35) Caprolactam	11.484	113	66168	19.294	ng	95
36) 4-Chloro-3-methylphenol	11.837	107	209817	19.551	ng	97
37) 2-Methylnaphthalene	12.219	142	409613	20.057	ng	99
38) 1-Methylnaphthalene	12.443	142	430666	19.829	ng	100
40) 1,2,4,5-Tetrachloroben...	12.590	216	233523	20.263	ng	99
41) Hexachlorocyclopentadiene	12.572	237	124759	17.922	ng	98
43) 2,4,6-Trichlorophenol	12.831	196	152031	19.540	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025395.D
 Acq On : 14 Aug 2025 14:38
 Operator : CG/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:54:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	169197	19.842	ng	98
46) 1,1'-Biphenyl	13.237	154	581464	20.064	ng	100
47) 2-Chloronaphthalene	13.272	162	456552	20.237	ng	98
48) 2-Nitroaniline	13.478	65	126433	19.233	ng	99
49) Acenaphthylene	14.137	152	737527	19.756	ng	99
50) Dimethylphthalate	13.866	163	573661	19.632	ng	100
51) 2,6-Dinitrotoluene	13.966	165	120693	19.597	ng	96
52) Acenaphthene	14.484	154	438852m	20.027	ng	
53) 3-Nitroaniline	14.301	138	134502	19.410	ng	97
54) 2,4-Dinitrophenol	14.519	184	55713	16.939	ng	98
55) Dibenzofuran	14.819	168	692966	20.002	ng	99
56) 4-Nitrophenol	14.619	139	105787	18.578	ng	98
57) 2,4-Dinitrotoluene	14.772	165	172020	19.576	ng	96
58) Fluorene	15.478	166	554647	20.289	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.048	232	145926	19.381	ng	99
60) Diethylphthalate	15.248	149	584590	19.689	ng	99
61) 4-Chlorophenyl-phenyle...	15.472	204	270949	19.929	ng	98
62) 4-Nitroaniline	15.478	138	139202	19.595	ng	100
63) Azobenzene	15.766	77	508563	20.004	ng	100
65) 4,6-Dinitro-2-methylph...	15.548	198	88992	18.169	ng	97
66) n-Nitrosodiphenylamine	15.684	169	477080	19.911	ng	99
67) 4-Bromophenyl-phenylether	16.389	248	170738	19.758	ng	97
68) Hexachlorobenzene	16.495	284	199410	19.906	ng	99
69) Atrazine	16.666	200	179513	20.006	ng	99
70) Pentachlorophenol	16.848	266	120958	19.128	ng	99
71) Phenanthrene	17.254	178	872890	20.223	ng	99
72) Anthracene	17.342	178	890292	20.198	ng	100
73) Carbazole	17.625	167	843970	20.328	ng	99
74) Di-n-butylphthalate	18.219	149	1046709	20.491	ng	100
75) Fluoranthene	19.342	202	1058912	20.567	ng	99
77) Benzidine	19.525	184	546647	18.799	ng	99
78) Pyrene	19.713	202	1096965	19.807	ng	99
80) Butylbenzylphthalate	20.666	149	504019	20.081	ng	97
81) Benzo(a)anthracene	21.630	228	1118590	19.906	ng	100
82) 3,3'-Dichlorobenzidine	21.548	252	432075	20.399	ng	100
83) Chrysene	21.707	228	1063898	20.216	ng	99
84) Bis(2-ethylhexyl)phtha...	21.577	149	744704	20.155	ng	99
85) Di-n-octyl phthalate	22.871	149	1276798	20.091	ng	100
87) Indeno(1,2,3-cd)pyrene	28.865	276	1380331m	19.627	ng	
88) Benzo(b)fluoranthene	23.948	252	1122408	19.855	ng	100
89) Benzo(k)fluoranthene	24.018	252	1150366	20.336	ng	100
90) Benzo(a)pyrene	24.854	252	1102804	20.041	ng	100
91) Dibenzo(a,h)anthracene	28.965	278	1130209	19.672	ng	98
92) Benzo(g,h,i)perylene	30.053	276	1120307	19.840	ng	99

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

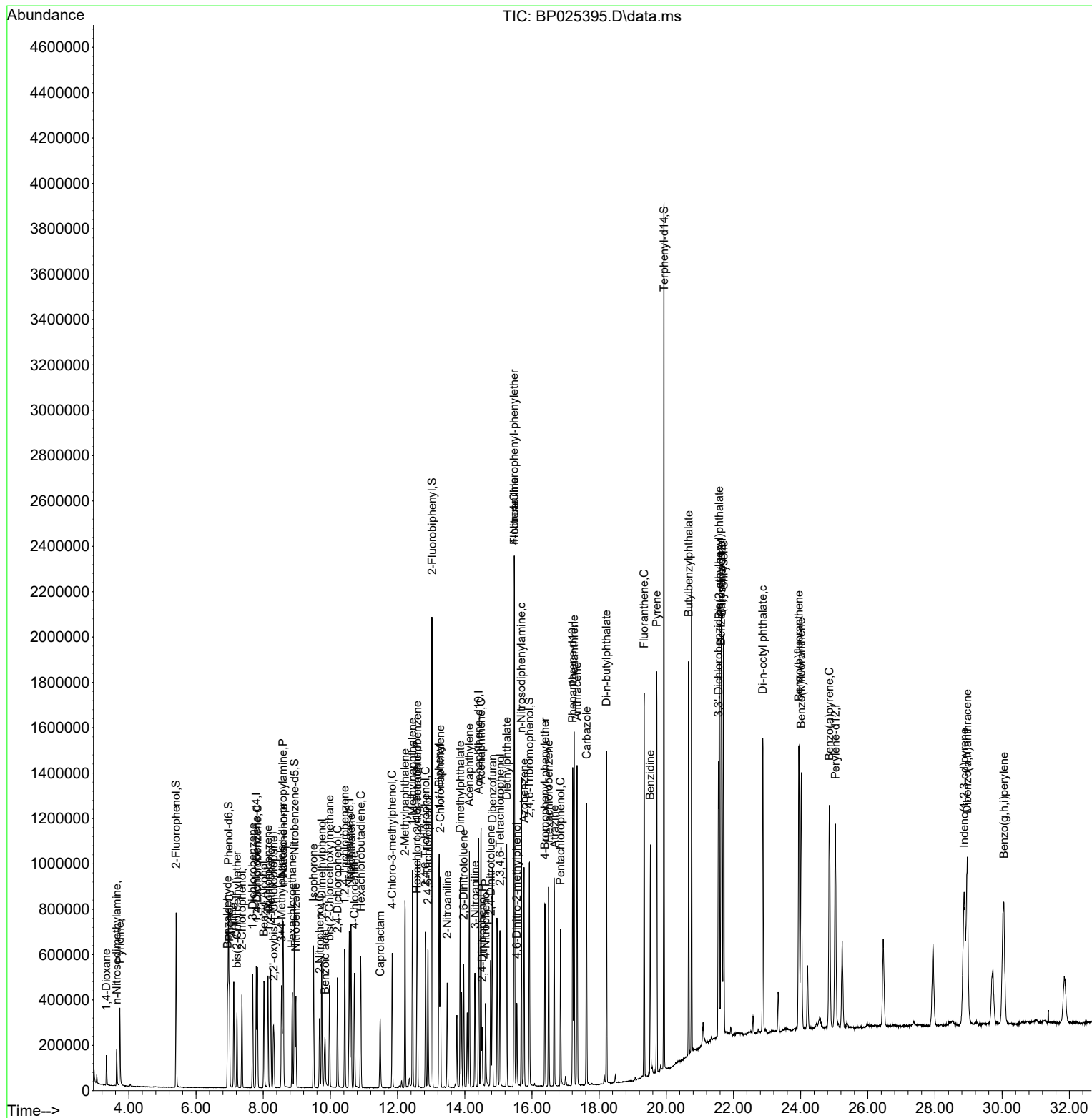
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025395.D
Acq On : 14 Aug 2025 14:38
Operator : CG/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jaagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:54:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025396.D
 Acq On : 14 Aug 2025 15:19
 Operator : CG/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:55:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	157704	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	663553	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	441110	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	884529	20.000	ng	0.00
76) Chrysene-d12	21.648	240	899207	20.000	ng	0.00
86) Perylene-d12	25.030	264	1022138	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	733191	77.209	ng	0.00
7) Phenol-d6	6.966	99	954285	78.381	ng	0.00
23) Nitrobenzene-d5	8.937	82	1015557	77.420	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	463783	78.112	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2456787	76.118	ng	0.00
79) Terphenyl-d14	19.919	244	3760236	76.508	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.337	88	140326	37.726	ng	100
3) Pyridine	3.731	79	384936	37.809	ng	100
4) n-Nitrosodimethylamine	3.637	42	161267	38.421	ng	100
6) Aniline	7.125	93	637156	38.842	ng	100
8) 2-Chlorophenol	7.366	128	414233	38.655	ng	100
9) Benzaldehyde	6.943	77	430704	50.493	ng	100
10) Phenol	6.996	94	496755	38.884	ng	100
11) bis(2-Chloroethyl)ether	7.219	93	385335	38.698	ng	100
12) 1,3-Dichlorobenzene	7.684	146	455200	38.523	ng	100
13) 1,4-Dichlorobenzene	7.831	146	462800	38.319	ng	100
14) 1,2-Dichlorobenzene	8.143	146	451306	38.602	ng	100
15) Benzyl Alcohol	8.025	79	376323	38.901	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.313	45	510991	38.308	ng	100
17) 2-Methylphenol	8.225	107	349313	39.369	ng	100
18) Hexachloroethane	8.866	117	171906	38.712	ng	100
19) n-Nitroso-di-n-propyla...	8.590	70	312773	38.737	ng	100
20) 3+4-Methylphenols	8.549	107	481148	39.121	ng	100
22) Acetophenone	8.601	105	644124	38.708	ng	100
24) Nitrobenzene	8.972	77	457175	38.997	ng	100
25) Isophorone	9.501	82	893987	38.510	ng	100
26) 2-Nitrophenol	9.678	139	239675	39.837	ng	100
27) 2,4-Dimethylphenol	9.743	122	408572	39.489	ng	100
28) bis(2-Chloroethoxy)met...	9.972	93	540282	38.502	ng	100
29) 2,4-Dichlorophenol	10.213	162	405233	39.427	ng	100
30) 1,2,4-Trichlorobenzene	10.425	180	434105	38.529	ng	100
31) Naphthalene	10.613	128	1326839	38.472	ng	100
32) Benzoic acid	9.872	122	301281	39.537	ng	100
33) 4-Chloroaniline	10.713	127	599466	39.350	ng	100
34) Hexachlorobutadiene	10.901	225	271549	38.700	ng	100
35) Caprolactam	11.495	113	145175	38.520	ng	100
36) 4-Chloro-3-methylphenol	11.837	107	459473	38.959	ng	100
37) 2-Methylnaphthalene	12.219	142	865427	38.559	ng	100
38) 1-Methylnaphthalene	12.437	142	909865	38.120	ng	100
40) 1,2,4,5-Tetrachloroben...	12.590	216	494141	38.787	ng	100
41) Hexachlorocyclopentadiene	12.572	237	307015	39.896	ng	100
43) 2,4,6-Trichlorophenol	12.825	196	337157	39.201	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025396.D
 Acq On : 14 Aug 2025 15:19
 Operator : CG/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:55:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.895	196	373880	39.664	ng	100
46) 1,1'-Biphenyl	13.231	154	1242247	38.777	ng	100
47) 2-Chloronaphthalene	13.272	162	970903	38.930	ng	100
48) 2-Nitroaniline	13.472	65	291341	40.092	ng	100
49) Acenaphthylene	14.125	152	1593636	38.617	ng	100
50) Dimethylphthalate	13.860	163	1237666	38.316	ng	100
51) 2,6-Dinitrotoluene	13.966	165	272750	40.061	ng	100
52) Acenaphthene	14.466	154	918569	37.921	ng	100
53) 3-Nitroaniline	14.301	138	301417	39.349	ng	100
54) 2,4-Dinitrophenol	14.507	184	144100	39.633	ng	100
55) Dibenzofuran	14.807	168	1479220	38.624	ng	100
56) 4-Nitrophenol	14.613	139	246542	39.168	ng	100
57) 2,4-Dinitrotoluene	14.766	165	386189	39.757	ng	100
58) Fluorene	15.466	166	1151825	38.115	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.036	232	324396	38.975	ng	100
60) Diethylphthalate	15.236	149	1264740	38.533	ng	100
61) 4-Chlorophenyl-phenyle...	15.460	204	574546	38.228	ng	100
62) 4-Nitroaniline	15.478	138	309740	39.443	ng	100
63) Azobenzene	15.754	77	1091004	38.820	ng	100
65) 4,6-Dinitro-2-methylph...	15.542	198	217153	39.384	ng	100
66) n-Nitrosodiphenylamine	15.678	169	1045170	38.749	ng	100
67) 4-Bromophenyl-phenylether	16.372	248	376864	38.739	ng	100
68) Hexachlorobenzene	16.489	284	428361	37.986	ng	100
69) Atrazine	16.654	200	386256	38.238	ng	100
70) Pentachlorophenol	16.842	266	278412	39.110	ng	100
71) Phenanthrene	17.242	178	1839191	37.851	ng	100
72) Anthracene	17.336	178	1908189	38.456	ng	100
73) Carbazole	17.613	167	1781890	38.125	ng	100
74) Di-n-butylphthalate	18.207	149	2201043	38.277	ng	100
75) Fluoranthene	19.324	202	2172758	37.488	ng	100
77) Benzidine	19.513	184	1738926	56.665	ng	100
78) Pyrene	19.701	202	2290461	39.189	ng	100
80) Butylbenzylphthalate	20.648	149	1041998	39.338	ng	100
81) Benzo(a)anthracene	21.630	228	2280774	38.460	ng	100
82) 3,3'-Dichlorobenzidine	21.542	252	877708	39.266	ng	100
83) Chrysene	21.695	228	2125866	38.278	ng	100
84) Bis(2-ethylhexyl)phtha...	21.583	149	1493804	38.310	ng	100
85) Di-n-octyl phthalate	22.871	149	2597558	38.730	ng	100
87) Indeno(1,2,3-cd)pyrene	28.865	276	2884713m	38.470	ng	
88) Benzo(b)fluoranthene	23.954	252	2318198	38.462	ng	100
89) Benzo(k)fluoranthene	24.030	252	2309091	38.285	ng	100
90) Benzo(a)pyrene	24.854	252	2265862	38.620	ng	100
91) Dibenzo(a,h)anthracene	28.953	278	2363840	38.589	ng	100
92) Benzo(g,h,i)perylene	30.059	276	2327292	38.654	ng	100

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

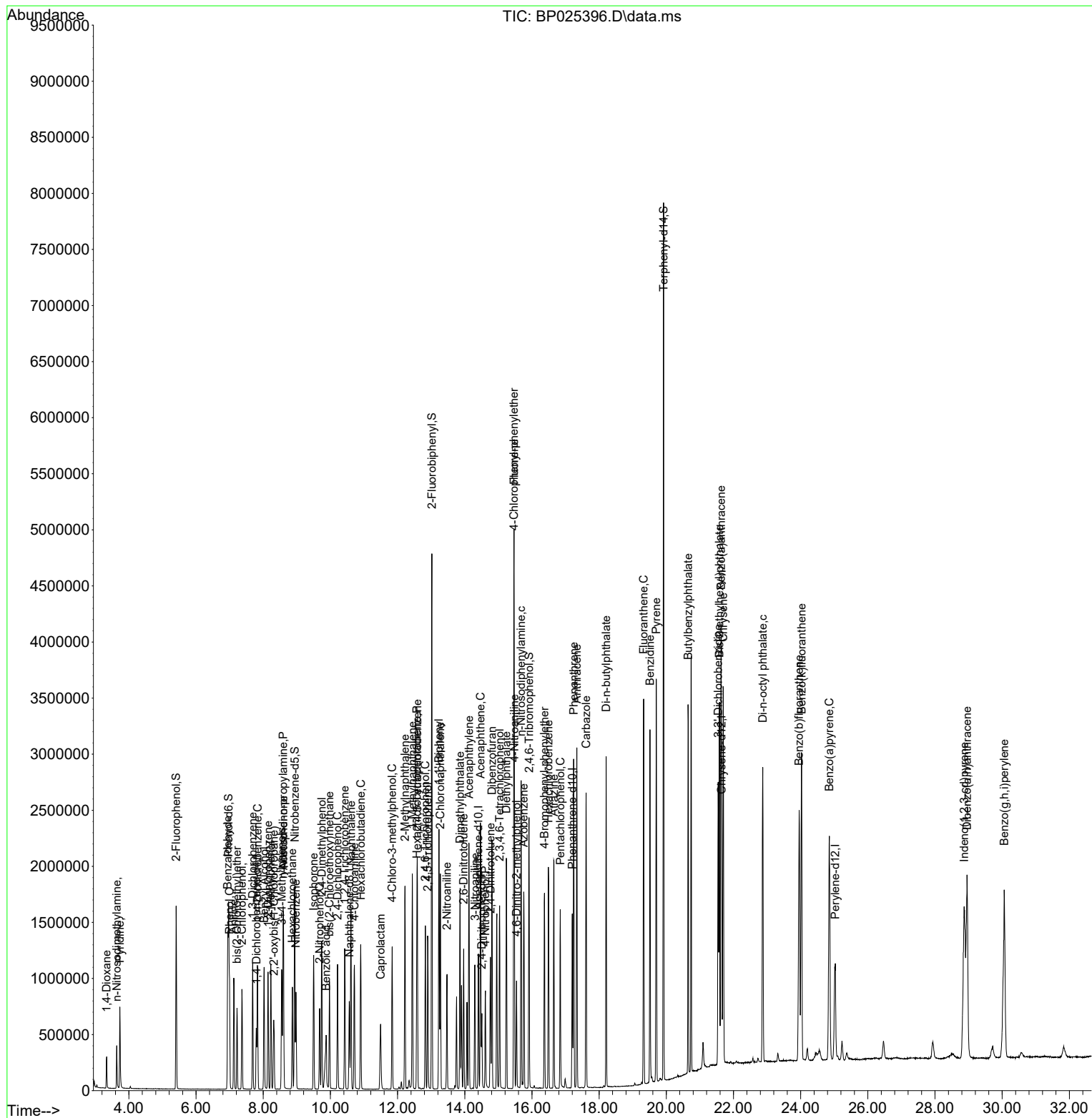
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Data File : BP025396.D
Acq On : 14 Aug 2025 15:19
Operator : CG/JU
Sample : SSTIDICC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jaagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:55:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025397.D
 Acq On : 14 Aug 2025 16:01
 Operator : CG/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC050

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:57:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	137945	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	573916	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	376731	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	753705	20.000	ng	0.00
76) Chrysene-d12	21.648	240	801742	20.000	ng	0.00
86) Perylene-d12	25.036	264	918939	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	855256	102.963	ng	0.00
7) Phenol-d6	6.966	99	1131869	106.283	ng	0.00
23) Nitrobenzene-d5	8.937	82	1201601	105.910	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	539295	106.352	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2856639	103.632	ng	0.00
79) Terphenyl-d14	19.925	244	4409094	100.615	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	165184	50.769	ng	98
3) Pyridine	3.725	79	454022	50.983	ng	97
4) n-Nitrosodimethylamine	3.631	42	192837	52.524	ng	99
6) Aniline	7.125	93	756782	52.743	ng	100
8) 2-Chlorophenol	7.366	128	492570	52.550	ng	99
9) Benzaldehyde	6.943	77	435174	58.325	ng	97
10) Phenol	6.996	94	588764	52.687	ng	99
11) bis(2-Chloroethyl)ether	7.219	93	455697	52.320	ng	99
12) 1,3-Dichlorobenzene	7.684	146	536261	51.884	ng	99
13) 1,4-Dichlorobenzene	7.825	146	550541	52.113	ng	99
14) 1,2-Dichlorobenzene	8.143	146	528750	51.705	ng	99
15) Benzyl Alcohol	8.025	79	443889	52.458	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.319	45	603716	51.742	ng	99
17) 2-Methylphenol	8.225	107	412974	53.211	ng	98
18) Hexachloroethane	8.866	117	202672	52.178	ng	96
19) n-Nitroso-di-n-propyla...	8.590	70	363151	51.419	ng	98
20) 3+4-Methylphenols	8.549	107	565208	52.538	ng	99
22) Acetophenone	8.602	105	750308	52.131	ng	100
24) Nitrobenzene	8.978	77	537647	53.024	ng	98
25) Isophorone	9.502	82	1047736	52.182	ng	99
26) 2-Nitrophenol	9.678	139	282682	54.323	ng	98
27) 2,4-Dimethylphenol	9.737	122	481502	53.806	ng	97
28) bis(2-Chloroethoxy)met...	9.972	93	630027	51.909	ng	99
29) 2,4-Dichlorophenol	10.213	162	475406	53.478	ng	99
30) 1,2,4-Trichlorobenzene	10.431	180	507724	52.101	ng	99
31) Naphthalene	10.607	128	1560240	52.305	ng	100
32) Benzoic acid	9.884	122	357706	54.274	ng	96
33) 4-Chloroaniline	10.713	127	705562	53.548	ng	99
34) Hexachlorobutadiene	10.902	225	312163	51.436	ng	98
35) Caprolactam	11.502	113	172663	52.969	ng	94
36) 4-Chloro-3-methylphenol	11.843	107	534583	52.407	ng	100
37) 2-Methylnaphthalene	12.219	142	1003813	51.710	ng	99
38) 1-Methylnaphthalene	12.443	142	1076949	52.167	ng	99
40) 1,2,4,5-Tetrachloroben...	12.590	216	574152	52.769	ng	99
41) Hexachlorocyclopentadiene	12.572	237	364047	55.392	ng	98
43) 2,4,6-Trichlorophenol	12.831	196	396440	53.971	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025397.D
 Acq On : 14 Aug 2025 16:01
 Operator : CG/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:57:10 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Aug 14 17:44:43 2025

Response via : Initial Calibration

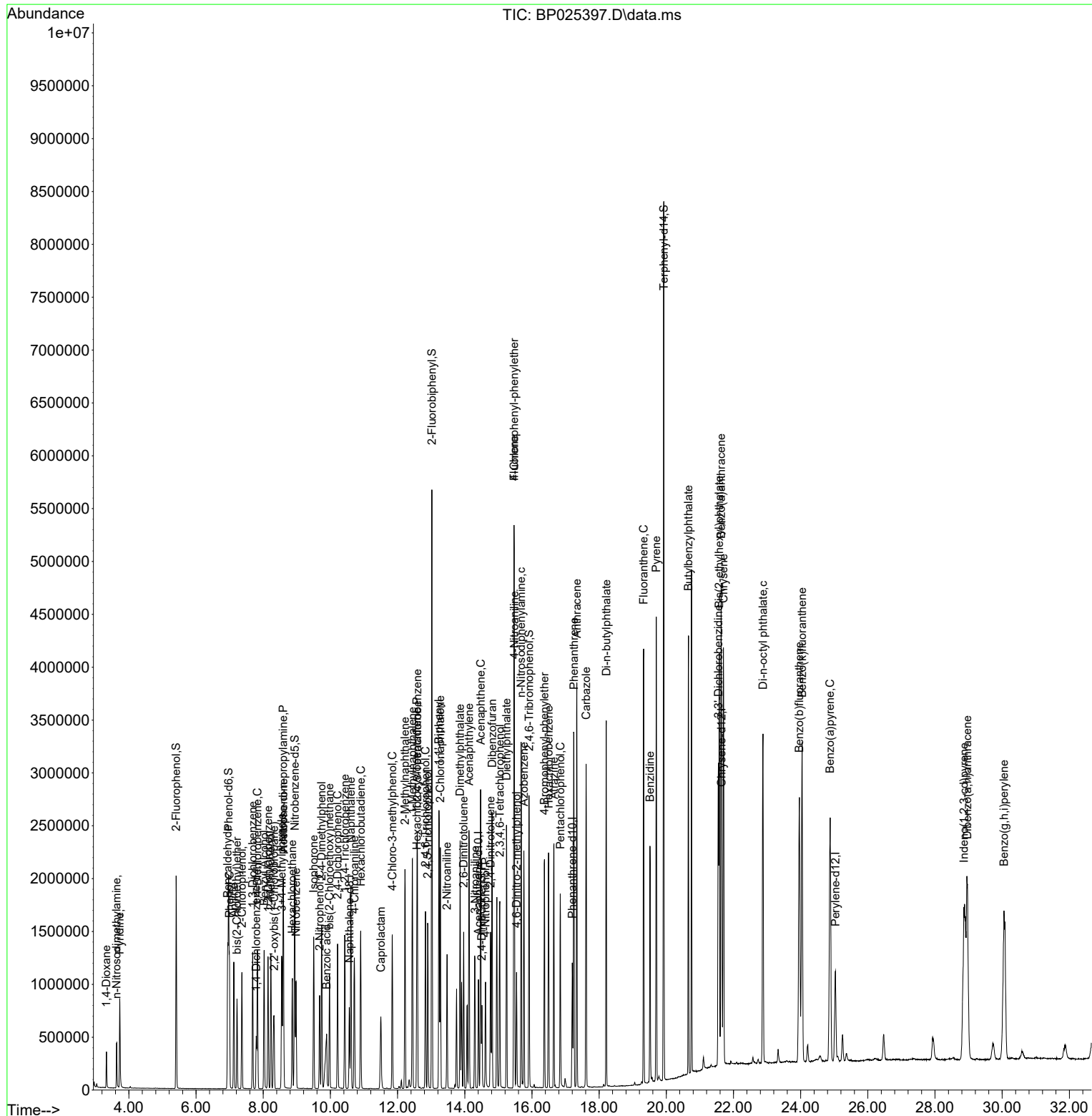
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.896	196	430061	53.421	ng	99
46) 1,1'-Biphenyl	13.231	154	1447968	52.922	ng	99
47) 2-Chloronaphthalene	13.272	162	1114922	52.344	ng	99
48) 2-Nitroaniline	13.472	65	338939	54.613	ng	98
49) Acenaphthylene	14.125	152	1875998	53.227	ng	100
50) Dimethylphthalate	13.860	163	1424127	51.622	ng	100
51) 2,6-Dinitrotoluene	13.966	165	312149	53.683	ng	97
52) Acenaphthene	14.472	154	1087721	52.577	ng	98
53) 3-Nitroaniline	14.301	138	362030	55.339	ng	99
54) 2,4-Dinitrophenol	14.507	184	175453	56.503	ng	98
55) Dibenzofuran	14.813	168	1705630	52.147	ng	99
56) 4-Nitrophenol	14.619	139	296227	55.103	ng	98
57) 2,4-Dinitrotoluene	14.766	165	450923	54.354	ng	97
58) Fluorene	15.466	166	1332448	51.627	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.043	232	378743	53.281	ng	99
60) Diethylphthalate	15.243	149	1450033	51.728	ng	99
61) 4-Chlorophenyl-phenyle...	15.466	204	650101	50.647	ng	99
62) 4-Nitroaniline	15.478	138	364030	54.278	ng	99
63) Azobenzene	15.760	77	1262576	52.602	ng	99
65) 4,6-Dinitro-2-methylph...	15.542	198	262126	55.792	ng	98
66) n-Nitrosodiphenylamine	15.678	169	1195077	51.997	ng	100
67) 4-Bromophenyl-phenylether	16.372	248	433740	52.325	ng	99
68) Hexachlorobenzene	16.495	284	497906	51.816	ng	97
69) Atrazine	16.654	200	451704	52.479	ng	98
70) Pentachlorophenol	16.842	266	332839	54.872	ng	97
71) Phenanthrene	17.248	178	2139431	51.673	ng	100
72) Anthracene	17.337	178	2214911	52.385	ng	100
73) Carbazole	17.613	167	2093175	52.559	ng	99
74) Di-n-butylphthalate	18.213	149	2589522	52.849	ng	99
75) Fluoranthene	19.325	202	2563702	51.910	ng	99
77) Benzidine	19.513	184	1330198	48.615	ng	99
78) Pyrene	19.701	202	2644850	50.754	ng	100
80) Butylbenzylphthalate	20.660	149	1231376	52.139	ng	98
81) Benzo(a)anthracene	21.630	228	2723006	51.499	ng	100
82) 3,3'-Dichlorobenzidine	21.548	252	1043476	52.357	ng	99
83) Chrysene	21.701	228	2565856	51.817	ng	99
84) Bis(2-ethylhexyl)phtha...	21.577	149	1805478	51.933	ng	100
85) Di-n-octyl phthalate	22.877	149	3150824	52.690	ng	100
87) Indeno(1,2,3-cd)pyrene	28.859	276	3604179m	53.463	ng	
88) Benzo(b)fluoranthene	23.960	252	2870971	52.982	ng	100
89) Benzo(k)fluoranthene	24.042	252	2817276	51.956	ng	99
90) Benzo(a)pyrene	24.877	252	2800880	53.100	ng	99
91) Dibenzo(a,h)anthracene	28.965	278	2962622	53.795	ng	98
92) Benzo(g,h,i)perylene	30.053	276	2866689m	52.960	ng	

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025398.D
 Acq On : 14 Aug 2025 16:42
 Operator : CG/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC060

Quant Time: Aug 14 17:58:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	162248	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	693237	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	460439	20.000	ng	0.00
64) Phenanthrene-d10	17.213	188	923402	20.000	ng	0.01
76) Chrysene-d12	21.666	240	926019	20.000	ng	0.02
86) Perylene-d12	25.042	264	1081163	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1193329	122.144	ng	0.00
7) Phenol-d6	6.972	99	1566626	125.072	ng	0.00
23) Nitrobenzene-d5	8.931	82	1698557	123.944	ng	0.00
42) 2,4,6-Tribromophenol	15.925	330	760738	122.748	ng	0.01
45) 2-Fluorobiphenyl	13.025	172	3963871	117.656	ng	0.00
79) Terphenyl-d14	19.930	244	5896004	116.490	ng	0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.337	88	225015	58.799	ng	99
3) Pyridine	3.731	79	623639	59.539	ng	97
4) n-Nitrosodimethylamine	3.637	42	269971	62.518	ng	100
6) Aniline	7.125	93	1053232	62.408	ng	99
8) 2-Chlorophenol	7.366	128	688094	62.413	ng	100
9) Benzaldehyde	6.943	77	489205	55.745	ng	97
10) Phenol	7.002	94	821863	62.530	ng	98
11) bis(2-Chloroethyl)ether	7.219	93	634374	61.925	ng	99
12) 1,3-Dichlorobenzene	7.684	146	744884	61.273	ng	99
13) 1,4-Dichlorobenzene	7.825	146	751354	60.469	ng	100
14) 1,2-Dichlorobenzene	8.143	146	723663	60.165	ng	99
15) Benzyl Alcohol	8.025	79	627198	63.019	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.313	45	846896	61.712	ng	99
17) 2-Methylphenol	8.225	107	579471	63.480	ng	99
18) Hexachloroethane	8.866	117	281129	61.535	ng	95
19) n-Nitroso-di-n-propyla...	8.590	70	507223	61.060	ng	98
20) 3+4-Methylphenols	8.555	107	798107	63.075	ng	96
22) Acetophenone	8.602	105	1051848	60.503	ng	# 99
24) Nitrobenzene	8.978	77	752762	61.461	ng	98
25) Isophorone	9.502	82	1475193	60.825	ng	99
26) 2-Nitrophenol	9.678	139	405821	64.564	ng	98
27) 2,4-Dimethylphenol	9.743	122	675186	62.463	ng	100
28) bis(2-Chloroethoxy)met...	9.972	93	894872	61.040	ng	99
29) 2,4-Dichlorophenol	10.213	162	673952	62.764	ng	99
30) 1,2,4-Trichlorobenzene	10.425	180	715954	60.823	ng	98
31) Naphthalene	10.613	128	2187912	60.722	ng	100
32) Benzoic acid	9.907	122	530609	66.651	ng	98
33) 4-Chloroaniline	10.713	127	993155	62.401	ng	99
34) Hexachlorobutadiene	10.901	225	442929	60.421	ng	100
35) Caprolactam	11.513	113	241521	61.340	ng	95
36) 4-Chloro-3-methylphenol	11.843	107	764338	62.033	ng	98
37) 2-Methylnaphthalene	12.219	142	1418882	60.511	ng	99
38) 1-Methylnaphthalene	12.437	142	1494304	59.925	ng	100
40) 1,2,4,5-Tetrachloroben...	12.590	216	802737	60.365	ng	100
41) Hexachlorocyclopentadiene	12.572	237	536440	66.784	ng	99
43) 2,4,6-Trichlorophenol	12.831	196	564165	62.841	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025398.D
 Acq On : 14 Aug 2025 16:42
 Operator : CG/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC060

Quant Time: Aug 14 17:58:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	619246	62.937	ng	97
46) 1,1'-Biphenyl	13.237	154	1996186	59.695	ng	99
47) 2-Chloronaphthalene	13.272	162	1577577	60.600	ng	99
48) 2-Nitroaniline	13.472	65	485429	63.996	ng	100
49) Acenaphthylene	14.131	152	2634005	61.147	ng	99
50) Dimethylphthalate	13.866	163	2042324	60.572	ng	99
51) 2,6-Dinitrotoluene	13.972	165	446520	62.831	ng	100
52) Acenaphthene	14.478	154	1527191	60.399	ng	100
53) 3-Nitroaniline	14.301	138	506373	63.331	ng	96
54) 2,4-Dinitrophenol	14.519	184	265089	69.849	ng	98
55) Dibenzofuran	14.819	168	2387933	59.734	ng	100
56) 4-Nitrophenol	14.625	139	419801	63.893	ng	99
57) 2,4-Dinitrotoluene	14.778	165	650054	64.112	ng	96
58) Fluorene	15.478	166	1836972	58.236	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.042	232	541317	62.307	ng	100
60) Diethylphthalate	15.254	149	2015888	58.840	ng	99
61) 4-Chlorophenyl-phenyle...	15.472	204	926280	59.044	ng	99
62) 4-Nitroaniline	15.489	138	510438	62.272	ng	99
63) Azobenzene	15.766	77	1796580	61.242	ng	99
65) 4,6-Dinitro-2-methylph...	15.554	198	385873	67.038	ng	98
66) n-Nitrosodiphenylamine	15.684	169	1674806	59.478	ng	99
67) 4-Bromophenyl-phenylether	16.378	248	616767	60.731	ng	97
68) Hexachlorobenzene	16.501	284	711778	60.461	ng	100
69) Atrazine	16.666	200	633381	60.063	ng	99
70) Pentachlorophenol	16.854	266	474276	63.820	ng	97
71) Phenanthrene	17.260	178	3006132	59.263	ng	100
72) Anthracene	17.342	178	3050794	58.895	ng	99
73) Carbazole	17.625	167	2916606	59.776	ng	99
74) Di-n-butylphthalate	18.219	149	3560427	59.310	ng	100
75) Fluoranthene	19.342	202	3563798	58.899	ng	99
77) Benzidine	19.525	184	1690432	53.489	ng	99
78) Pyrene	19.713	202	3664453	60.883	ng	100
80) Butylbenzylphthalate	20.660	149	1710246	62.697	ng	99
81) Benzo(a)anthracene	21.648	228	3702064	60.619	ng	99
82) 3,3'-Dichlorobenzidine	21.554	252	1405597	61.062	ng	100
83) Chrysene	21.707	228	3453736	60.387	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	2450963	61.038	ng	100
85) Di-n-octyl phthalate	22.883	149	4342211	62.869	ng	100
87) Indeno(1,2,3-cd)pyrene	28.901	276	4937235	62.248	ng	96
88) Benzo(b)fluoranthene	23.960	252	3883465	60.914	ng	99
89) Benzo(k)fluoranthene	24.036	252	3912900	61.334	ng	99
90) Benzo(a)pyrene	24.883	252	3845093	61.959	ng	99
91) Dibenzo(a,h)anthracene	28.977	278	4035414	62.280	ng	98
92) Benzo(g,h,i)perylene	30.083	276	3958545	62.159	ng	100

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

[illegible]

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025399.D
 Acq On : 14 Aug 2025 17:24
 Operator : CG/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC080

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:59:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	159148	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	673018	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	436046	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	856946	20.000	ng	# 0.00
76) Chrysene-d12	21.660	240	888879	20.000	ng	0.01
86) Perylene-d12	25.030	264	1037707	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1526166	159.254	ng	0.00
7) Phenol-d6	6.972	99	1989633	161.937	ng	0.00
23) Nitrobenzene-d5	8.937	82	2123522	159.609	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	936489	159.559	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	4712591	147.705	ng	0.00
79) Terphenyl-d14	19.930	244	7103816	146.217	ng	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.337	88	291527	77.664	ng	99
3) Pyridine	3.731	79	807269	78.572	ng	97
4) n-Nitrosodimethylamine	3.637	42	344349	81.296	ng	99
6) Aniline	7.131	93	1333221	80.538	ng	100
8) 2-Chlorophenol	7.372	128	877073	81.104	ng	99
9) Benzaldehyde	6.943	77	582344	67.651	ng	98
10) Phenol	7.002	94	1040534	80.710	ng	98
11) bis(2-Chloroethyl)ether	7.219	93	798672	79.481	ng	99
12) 1,3-Dichlorobenzene	7.684	146	950596	79.718	ng	98
13) 1,4-Dichlorobenzene	7.825	146	961421	78.882	ng	99
14) 1,2-Dichlorobenzene	8.143	146	922658	78.203	ng	99
15) Benzyl Alcohol	8.031	79	795618	81.498	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.319	45	1059824	78.732	ng	99
17) 2-Methylphenol	8.225	107	734482	82.028	ng	100
18) Hexachloroethane	8.866	117	355791	79.395	ng	94
19) n-Nitroso-di-n-propyla...	8.596	70	636387	78.102	ng	99
20) 3+4-Methylphenols	8.555	107	1005632	81.023	ng	97
22) Acetophenone	8.607	105	1314548	77.886	ng	99
24) Nitrobenzene	8.978	77	947511	79.686	ng	99
25) Isophorone	9.507	82	1829675	77.708	ng	99
26) 2-Nitrophenol	9.678	139	511806	83.872	ng	99
27) 2,4-Dimethylphenol	9.743	122	842467	80.280	ng	100
28) bis(2-Chloroethoxy)met...	9.972	93	1103640	77.542	ng	99
29) 2,4-Dichlorophenol	10.213	162	844787	81.037	ng	99
30) 1,2,4-Trichlorobenzene	10.425	180	892771	78.123	ng	98
31) Naphthalene	10.613	128	2722703	77.835	ng	99
32) Benzoic acid	9.901	122	686791	88.861	ng	99
33) 4-Chloroaniline	10.713	127	1232431	79.761	ng	100
34) Hexachlorobutadiene	10.901	225	557922	78.393	ng	99
35) Caprolactam	11.519	113	302874	79.233	ng	95
36) 4-Chloro-3-methylphenol	11.843	107	949779	79.399	ng	99
37) 2-Methylnaphthalene	12.213	142	1761325	77.372	ng	99
38) 1-Methylnaphthalene	12.437	142	1844376	76.186	ng	99
40) 1,2,4,5-Tetrachloroben...	12.584	216	995064	79.014	ng	100
41) Hexachlorocyclopentadiene	12.572	237	668771	87.916	ng	99
43) 2,4,6-Trichlorophenol	12.825	196	706484	83.096	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025399.D
 Acq On : 14 Aug 2025 17:24
 Operator : CG/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC080

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:59:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	762861	81.870	ng	99
46) 1,1'-Biphenyl	13.231	154	2453536	77.476	ng	99
47) 2-Chloronaphthalene	13.272	162	1918120	77.804	ng	100
48) 2-Nitroaniline	13.472	65	594696	82.788	ng	96
49) Acenaphthylene	14.125	152	3194918	78.318	ng	100
50) Dimethylphthalate	13.860	163	2446951	76.632	ng	99
51) 2,6-Dinitrotoluene	13.972	165	542710	80.639	ng	99
52) Acenaphthene	14.472	154	1841448	76.902	ng	99
53) 3-Nitroaniline	14.301	138	618087	81.627	ng	100
54) 2,4-Dinitrophenol	14.507	184	339125	94.356	ng	100
55) Dibenzofuran	14.807	168	2915933	77.023	ng	99
56) 4-Nitrophenol	14.619	139	520294	83.618	ng	96
57) 2,4-Dinitrotoluene	14.766	165	791214	82.399	ng	99
58) Fluorene	15.466	166	2185593	73.164	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.031	232	661890	80.448	ng	100
60) Diethylphthalate	15.242	149	2494087	76.870	ng	100
61) 4-Chlorophenyl-phenyle...	15.460	204	1105157	74.388	ng	97
62) 4-Nitroaniline	15.484	138	626525	80.710	ng	97
63) Azobenzene	15.760	77	2139674	77.017	ng	99
65) 4,6-Dinitro-2-methylph...	15.542	198	472602	88.473	ng	93
66) n-Nitrosodiphenylamine	15.678	169	2034782	77.866	ng	100
67) 4-Bromophenyl-phenylether	16.372	248	745915	79.144	ng	98
68) Hexachlorobenzene	16.495	284	860051	78.721	ng	97
69) Atrazine	16.654	200	783533	80.064	ng	98
70) Pentachlorophenol	16.842	266	589673	85.502	ng	98
71) Phenanthrene	17.242	178	3623454	76.972	ng	99
72) Anthracene	17.336	178	3702277	77.014	ng	99
73) Carbazole	17.607	167	3503273	77.368	ng	99
74) Di-n-butylphthalate	18.219	149	4336701	77.844	ng	100
75) Fluoranthene	19.330	202	4313301	76.815	ng	99
77) Benzidine	19.525	184	2036246	67.124	ng	99
78) Pyrene	19.707	202	4410693	76.343	ng	99
80) Butylbenzylphthalate	20.660	149	2054404	78.460	ng	97
81) Benzo(a)anthracene	21.642	228	4532763	77.322	ng	100
82) 3,3'-Dichlorobenzidine	21.554	252	1705746	77.197	ng	100
83) Chrysene	21.707	228	4218161	76.835	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	3021891	78.400	ng	100
85) Di-n-octyl phthalate	22.877	149	5302080	79.974	ng	100
87) Indeno(1,2,3-cd)pyrene	28.895	276	6168570m	81.030	ng	
88) Benzo(b)fluoranthene	23.977	252	4876398	79.692	ng	100
89) Benzo(k)fluoranthene	24.054	252	4734637	77.323	ng	99
90) Benzo(a)pyrene	24.889	252	4735685	79.505	ng	99
91) Dibenzo(a,h)anthracene	28.983	278	5046260	81.142	ng	99
92) Benzo(g,h,i)perylene	30.106	276	4949477	80.973	ng	98

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

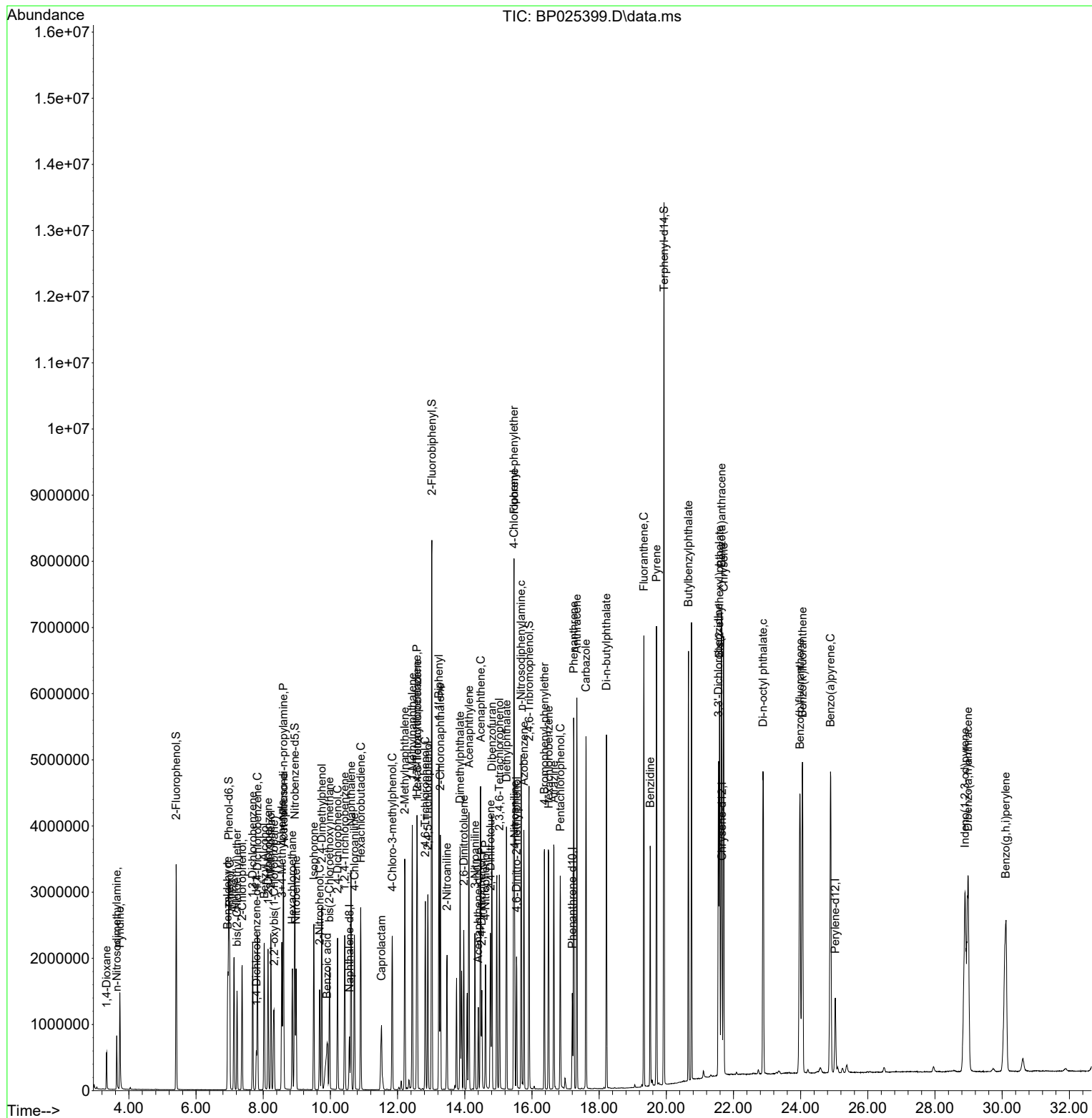
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025399.D
 Acq On : 14 Aug 2025 17:24
 Operator : CG/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:59:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025400.D
 Acq On : 14 Aug 2025 18:05
 Operator : CG/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ICVBP081425

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 18:24:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	174007	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	750079	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	503239	20.000	ng	0.00
64) Phenanthrene-d10	17.213	188	1034378	20.000	ng	0.01
76) Chrysene-d12	21.654	240	1060337	20.000	ng	0.00
86) Perylene-d12	25.024	264	1200519	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	727486	69.430	ng	0.00
7) Phenol-d6	6.966	99	962695	71.663	ng	0.00
23) Nitrobenzene-d5	8.937	82	984441	66.391	ng	0.00
42) 2,4,6-Tribromophenol	15.919	330	484870	71.582	ng	0.00
45) 2-Fluorobiphenyl	13.025	172	2430828	66.016	ng	0.00
79) Terphenyl-d14	19.936	244	3848160	66.399	ng	0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	138687	33.792	ng	99
3) Pyridine	3.731	79	403298	35.901	ng	98
4) n-Nitrosodimethylamine	3.631	42	176521	38.115	ng	98
6) Aniline	7.125	93	690437	38.147	ng	99
8) 2-Chlorophenol	7.366	128	455230	38.501	ng	99
9) Benzaldehyde	6.943	77	321335	34.142	ng	96
10) Phenol	6.996	94	541123	38.388	ng	99
11) bis(2-Chloroethyl)ether	7.219	93	421318	38.348	ng	99
12) 1,3-Dichlorobenzene	7.684	146	492014	37.738	ng	100
13) 1,4-Dichlorobenzene	7.825	146	504919	37.890	ng	97
14) 1,2-Dichlorobenzene	8.143	146	487845	37.818	ng	99
15) Benzyl Alcohol	8.025	79	416544	39.025	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.319	45	563276	38.271	ng	99
17) 2-Methylphenol	8.225	107	380608	38.877	ng	100
18) Hexachloroethane	8.866	117	186691	38.103	ng	97
19) n-Nitroso-di-n-propyla...	8.590	70	340533	38.270	ng	99
20) 3+4-Methylphenols	8.549	107	524095	38.620	ng	99
22) Acetophenone	8.602	105	718869	38.216	ng	# 99
24) Nitrobenzene	8.978	77	494466	37.313	ng	98
25) Isophorone	9.501	82	993378	37.855	ng	99
26) 2-Nitrophenol	9.678	139	263348	38.722	ng	97
27) 2,4-Dimethylphenol	9.743	122	455078	38.910	ng	99
28) bis(2-Chloroethoxy)met...	9.972	93	599862	37.816	ng	99
29) 2,4-Dichlorophenol	10.213	162	449034	38.649	ng	98
30) 1,2,4-Trichlorobenzene	10.431	180	474183	37.231	ng	98
31) Naphthalene	10.613	128	1459279	37.431	ng	99
32) Benzoic acid	9.884	122	330207	38.242	ng	96
33) 4-Chloroaniline	10.713	127	655135	38.043	ng	99
34) Hexachlorobutadiene	10.901	225	293728	37.031	ng	98
35) Caprolactam	11.501	113	163211	38.310	ng	98
36) 4-Chloro-3-methylphenol	11.837	107	517126	38.789	ng	98
37) 2-Methylnaphthalene	12.219	142	960146	37.845	ng	99
38) 1-Methylnaphthalene	12.443	142	1012844	37.539	ng	99
40) 1,2,4,5-Tetrachloroben...	12.590	216	550777	37.895	ng	100
41) Hexachlorocyclopentadiene	12.572	237	351819	40.074	ng	100
43) 2,4,6-Trichlorophenol	12.831	196	382393	38.972	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025400.D
 Acq On : 14 Aug 2025 18:05
 Operator : CG/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ICVBP081425

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 18:24:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	420565	39.108	ng	99
46) 1,1'-Biphenyl	13.237	154	1376834	37.672	ng	99
47) 2-Chloronaphthalene	13.272	162	1072147	37.682	ng	99
48) 2-Nitroaniline	13.472	65	323995	39.081	ng	99
49) Acenaphthylene	14.125	152	1775899	37.720	ng	100
50) Dimethylphthalate	13.860	163	1406620	38.170	ng	100
51) 2,6-Dinitrotoluene	13.972	165	304562	39.211	ng	98
52) Acenaphthene	14.472	154	1018011m	36.837	ng	
53) 3-Nitroaniline	14.301	138	349791	40.027	ng	98
54) 2,4-Dinitrophenol	14.507	184	172743	41.646	ng	100
55) Dibenzofuran	14.813	168	1630744	37.324	ng	100
56) 4-Nitrophenol	14.619	139	284585	39.630	ng	99
57) 2,4-Dinitrotoluene	14.772	165	448143	40.439	ng	98
58) Fluorene	15.478	166	1275341	36.992	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.036	232	371715	39.147	ng	99
60) Diethylphthalate	15.242	149	1415787	37.810	ng	99
61) 4-Chlorophenyl-phenyle...	15.472	204	627477	36.596	ng	99
62) 4-Nitroaniline	15.484	138	346865	38.717	ng	99
63) Azobenzene	15.766	77	1235242	38.526	ng	99
65) 4,6-Dinitro-2-methylph...	15.548	198	256111	39.721	ng	99
66) n-Nitrosodiphenylamine	15.684	169	1174244	37.227	ng	100
67) 4-Bromophenyl-phenylether	16.378	248	422072	37.101	ng	96
68) Hexachlorobenzene	16.501	284	488749	37.062	ng	98
69) Atrazine	16.660	200	449555	38.057	ng	100
70) Pentachlorophenol	16.854	266	322435	38.733	ng	98
71) Phenanthrene	17.254	178	2070873	36.445	ng	99
72) Anthracene	17.342	178	2179669	37.563	ng	100
73) Carbazole	17.619	167	2028595	37.116	ng	100
74) Di-n-butylphthalate	18.225	149	2528547	37.602	ng	100
75) Fluoranthene	19.342	202	2540417	37.481	ng	99
77) Benzidine	19.519	184	1529656	42.271	ng	99
78) Pyrene	19.713	202	2577810	37.404	ng	99
80) Butylbenzylphthalate	20.660	149	1199445	38.401	ng	98
81) Benzo(a)anthracene	21.636	228	2583866	36.950	ng	99
82) 3,3'-Dichlorobenzidine	21.554	252	1002597	38.038	ng	99
83) Chrysene	21.701	228	2446197	37.353	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	1780746	38.729	ng	100
85) Di-n-octyl phthalate	22.877	149	2998528	37.915	ng	100
87) Indeno(1,2,3-cd)pyrene	28.877	276	3267965	37.119	ng	94
88) Benzo(b)fluoranthene	23.971	252	2616701	36.964	ng	100
89) Benzo(k)fluoranthene	24.042	252	2653905	37.464	ng	99
90) Benzo(a)pyrene	24.871	252	2560692	37.160	ng	100
91) Dibenzo(a,h)anthracene	28.948	278	2697336	37.490	ng	99
92) Benzo(g,h,i)perylene	30.089	276	2632085	37.216	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025400.D
 Acq On : 14 Aug 2025 18:05
 Operator : CG/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025

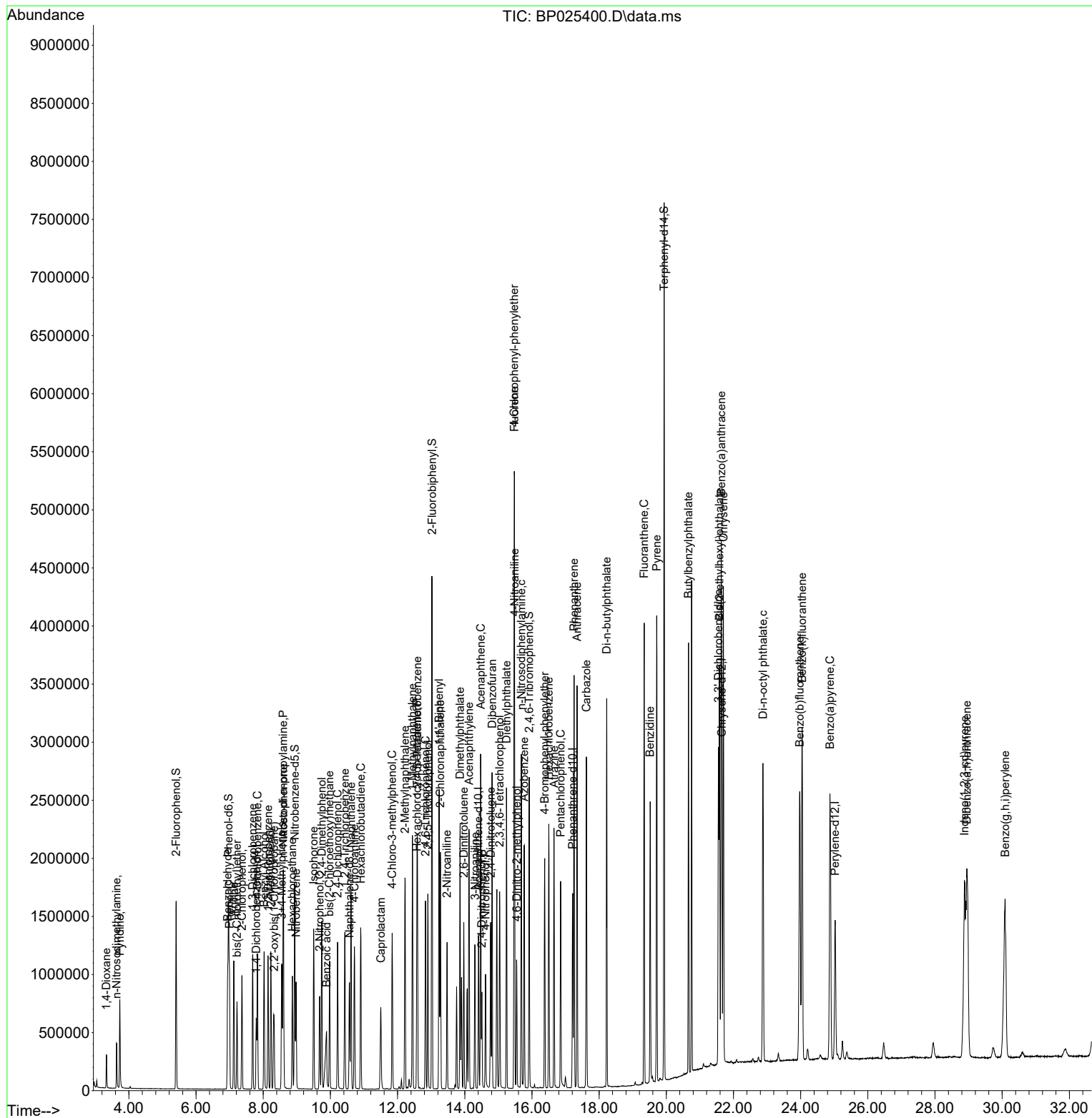
Quant Time: Aug 14 18:24:25 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Aug 14 18:14:31 2025

Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025400.D
 Acq On : 14 Aug 2025 18:05
 Operator : CG/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ICVBP081425

Quant Time: Aug 14 18:24:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 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	110	0.00
2	1,4-Dioxane	0.472	0.399	15.5	99	0.00
3	Pyridine	1.291	1.159	10.2	105	0.00
4	n-Nitrosodimethylamine	0.532	0.507	4.7	109	0.00
5 S	2-Fluorophenol	1.204	1.045	13.2	99	0.00
6	Aniline	2.080	1.984	4.6	108	0.00
7 S	Phenol-d6	1.544	1.383	10.4	101	0.00
8	2-Chlorophenol	1.359	1.308	3.8	110	0.00
9	Benzaldehyde	1.082	0.923	14.7	75	0.00
10 C	Phenol	1.620	1.555	4.0	109	0.00
11	bis(2-Chloroethyl)ether	1.263	1.211	4.1	109	0.00
12	1,3-Dichlorobenzene	1.499	1.414	5.7	108	0.00
13 C	1,4-Dichlorobenzene	1.532	1.451	5.3	109	0.00
14	1,2-Dichlorobenzene	1.483	1.402	5.5	108	0.00
15	Benzyl Alcohol	1.227	1.197	2.4	111	0.00
16	2,2'-oxybis(1-Chloropropane	1.692	1.619	4.3	110	0.00
17	2-Methylphenol	1.125	1.094	2.8	109	0.00
18	Hexachloroethane	0.563	0.536	4.8	109	0.00
19 P	n-Nitroso-di-n-propylamine	1.023	0.979	4.3	109	0.00
20	3+4-Methylphenols	1.560	1.506	3.5	109	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	113	0.00
22	Acetophenone	0.502	0.479	4.6	112	0.00
23 S	Nitrobenzene-d5	0.395	0.328	17.0	97	0.00
24	Nitrobenzene	0.353	0.330	6.5	108	0.00
25	Isophorone	0.700	0.662	5.4	111	0.00
26 C	2-Nitrophenol	0.181	0.176	2.8	110	0.00
27	2,4-Dimethylphenol	0.312	0.303	2.9	111	0.00
28	bis(2-Chloroethoxy)methane	0.423	0.400	5.4	111	0.00
29 C	2,4-Dichlorophenol	0.310	0.299	3.5	111	0.00
30	1,2,4-Trichlorobenzene	0.340	0.316	7.1	109	0.00
31	Naphthalene	1.040	0.973	6.4	110	0.00
32	Benzoic acid	0.230	0.220	4.3	110	0.01
33	4-Chloroaniline	0.459	0.437	4.8	109	0.00
34 C	Hexachlorobutadiene	0.211	0.196	7.1	108	0.00
35	Caprolactam	0.114	0.109	4.4	112	0.00
36 C	4-Chloro-3-methylphenol	0.355	0.345	2.8	113	0.00
37	2-Methylnaphthalene	0.676	0.640	5.3	111	0.00
38	1-Methylnaphthalene	0.719	0.675	6.1	111	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	114	0.00
40	1,2,4,5-Tetrachlorobenzene	0.578	0.547	5.4	111	0.00
41 P	Hexachlorocyclopentadiene	0.349	0.350	-0.3	115	0.00
42 S	2,4,6-Tribromophenol	0.269	0.241	10.4	105	0.00
43 C	2,4,6-Trichlorophenol	0.390	0.380	2.6	113	0.00
44	2,4,5-Trichlorophenol	0.427	0.418	2.1	112	0.00
45 S	2-Fluorobiphenyl	1.463	1.208	17.4	99	0.00
46	1,1'-Biphenyl	1.453	1.368	5.8	111	0.00
47	2-Chloronaphthalene	1.131	1.065	5.8	110	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025400.D
 Acq On : 14 Aug 2025 18:05
 Operator : CG/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ICVBP081425

Quant Time: Aug 14 18:24:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 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	0.329	0.322	2.1	111	0.00
49	Acenaphthylene	1.871	1.764	5.7	111	0.00
50	Dimethylphthalate	1.465	1.398	4.6	114	0.00
51	2,6-Dinitrotoluene	0.309	0.303	1.9	112	0.00
52 C	Acenaphthene	1.098	1.011	7.9	111	0.00
53	3-Nitroaniline	0.347	0.348	-0.3	116	0.00
54 P	2,4-Dinitrophenol	0.165	0.172	-4.2	120	0.00
55	Dibenzofuran	1.736	1.620	6.7	110	0.00
56 P	4-Nitrophenol	0.285	0.283	0.7	115	0.00
57	2,4-Dinitrotoluene	0.440	0.445	-1.1	116	0.00
58	Fluorene	1.370	1.267	7.5	111	0.01
59	2,3,4,6-Tetrachlorophenol	0.377	0.369	2.1	115	0.00
60	Diethylphthalate	1.488	1.407	5.4	112	0.00
61	4-Chlorophenyl-phenylether	0.681	0.623	8.5	109	0.01
62	4-Nitroaniline	0.356	0.345	3.1	112	0.00
63	Azobenzene	1.274	1.227	3.7	113	0.01
64 I	Phenanthrene-d10	1.000	1.000	0.0	117	0.01
65	4,6-Dinitro-2-methylphenol	0.125	0.124	0.8	118	0.00
66 c	n-Nitrosodiphenylamine	0.610	0.568	6.9	112	0.00
67	4-Bromophenyl-phenylether	0.220	0.204	7.3	112	0.00
68	Hexachlorobenzene	0.255	0.236	7.5	114	0.01
69	Atrazine	0.228	0.217	4.8	116	0.00
70 C	Pentachlorophenol	0.161	0.156	3.1	116	0.01
71	Phenanthrene	1.099	1.001	8.9	113	0.01
72	Anthracene	1.122	1.054	6.1	114	0.00
73	Carbazole	1.057	0.981	7.2	114	0.00
74	Di-n-butylphthalate	1.300	1.222	6.0	115	0.02
75 C	Fluoranthene	1.311	1.228	6.3	117	0.02
76 I	Chrysene-d12	1.000	1.000	0.0	118	0.00
77	Benzydine	0.683	0.721	-5.6	88	0.00
78	Pyrene	1.300	1.216	6.5	113	0.01
79 S	Terphenyl-d14	1.093	0.907	17.0	102	0.02
80	Butylbenzylphthalate	0.589	0.566	3.9	115	0.01
81	Benzo(a)anthracene	1.319	1.218	7.7	113	0.00
82	3,3'-Dichlorobenzidine	0.497	0.473	4.8	114	0.01
83	Chrysene	1.235	1.153	6.6	115	0.00
84	Bis(2-ethylhexyl)phthalate	0.867	0.840	3.1	119	0.00
85 c	Di-n-octyl phthalate	1.492	1.414	5.2	115	0.00
86 I	Perylene-d12	1.000	1.000	0.0	117	0.00
87	Indeno(1,2,3-cd)pyrene	1.467	1.361	7.2	113	0.01
88	Benzo(b)fluoranthene	1.179	1.090	7.5	113	0.02
89	Benzo(k)fluoranthene	1.180	1.105	6.4	115	0.01
90 C	Benzo(a)pyrene	1.148	1.066	7.1	113	0.02
91	Dibenzo(a,h)anthracene	1.199	1.123	6.3	114	0.00
92	Benzo(g,h,i)perylene	1.178	1.096	7.0	113	0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025400.D
 Acq On : 14 Aug 2025 18:05
 Operator : CG/JU
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 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	110	0.00
2	1,4-Dioxane	40.000	33.792	15.5	99	0.00
3	Pyridine	40.000	35.901	10.2	105	0.00
4	n-Nitrosodimethylamine	40.000	38.115	4.7	109	0.00
5 S	2-Fluorophenol	80.000	69.430	13.2	99	0.00
6	Aniline	40.000	38.147	4.6	108	0.00
7 S	Phenol-d6	80.000	71.663	10.4	101	0.00
8	2-Chlorophenol	40.000	38.501	3.7	110	0.00
9	Benzaldehyde	40.000	34.142	14.6	75	0.00
10 C	Phenol	40.000	38.388	4.0	109	0.00
11	bis(2-Chloroethyl)ether	40.000	38.348	4.1	109	0.00
12	1,3-Dichlorobenzene	40.000	37.738	5.7	108	0.00
13 C	1,4-Dichlorobenzene	40.000	37.890	5.3	109	0.00
14	1,2-Dichlorobenzene	40.000	37.818	5.5	108	0.00
15	Benzyl Alcohol	40.000	39.025	2.4	111	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	38.271	4.3	110	0.00
17	2-Methylphenol	40.000	38.877	2.8	109	0.00
18	Hexachloroethane	40.000	38.103	4.7	109	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	38.270	4.3	109	0.00
20	3+4-Methylphenols	40.000	38.620	3.5	109	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	113	0.00
22	Acetophenone	40.000	38.216	4.5	112	0.00
23 S	Nitrobenzene-d5	80.000	66.391	17.0	97	0.00
24	Nitrobenzene	40.000	37.313	6.7	108	0.00
25	Isophorone	40.000	37.855	5.4	111	0.00
26 C	2-Nitrophenol	40.000	38.722	3.2	110	0.00
27	2,4-Dimethylphenol	40.000	38.910	2.7	111	0.00
28	bis(2-Chloroethoxy)methane	40.000	37.816	5.5	111	0.00
29 C	2,4-Dichlorophenol	40.000	38.649	3.4	111	0.00
30	1,2,4-Trichlorobenzene	40.000	37.231	6.9	109	0.00
31	Naphthalene	40.000	37.431	6.4	110	0.00
32	Benzoic acid	40.000	38.242	4.4	110	0.01
33	4-Chloroaniline	40.000	38.043	4.9	109	0.00
34 C	Hexachlorobutadiene	40.000	37.031	7.4	108	0.00
35	Caprolactam	40.000	38.310	4.2	112	0.00
36 C	4-Chloro-3-methylphenol	40.000	38.789	3.0	113	0.00
37	2-Methylnaphthalene	40.000	37.845	5.4	111	0.00
38	1-Methylnaphthalene	40.000	37.539	6.2	111	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	114	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	37.895	5.3	111	0.00
41 P	Hexachlorocyclopentadiene	40.000	40.074	-0.2	115	0.00
42 S	2,4,6-Tribromophenol	80.000	71.582	10.5	105	0.00
43 C	2,4,6-Trichlorophenol	40.000	38.972	2.6	113	0.00
44	2,4,5-Trichlorophenol	40.000	39.108	2.2	112	0.00
45 S	2-Fluorobiphenyl	80.000	66.016	17.5	99	0.00
46	1,1'-Biphenyl	40.000	37.672	5.8	111	0.00
47	2-Chloronaphthalene	40.000	37.682	5.8	110	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025400.D
 Acq On : 14 Aug 2025 18:05
 Operator : CG/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ICVBP081425

Quant Time: Aug 14 18:24:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 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	39.081	2.3	111	0.00
49	Acenaphthylene	40.000	37.720	5.7	111	0.00
50	Dimethylphthalate	40.000	38.170	4.6	114	0.00
51	2,6-Dinitrotoluene	40.000	39.211	2.0	112	0.00
52 C	Acenaphthene	40.000	36.837	7.9	111	0.00
53	3-Nitroaniline	40.000	40.027	-0.1	116	0.00
54 P	2,4-Dinitrophenol	40.000	41.646	-4.1	120	0.00
55	Dibenzofuran	40.000	37.324	6.7	110	0.00
56 P	4-Nitrophenol	40.000	39.630	0.9	115	0.00
57	2,4-Dinitrotoluene	40.000	40.439	-1.1	116	0.00
58	Fluorene	40.000	36.992	7.5	111	0.01
59	2,3,4,6-Tetrachlorophenol	40.000	39.147	2.1	115	0.00
60	Diethylphthalate	40.000	37.810	5.5	112	0.00
61	4-Chlorophenyl-phenylether	40.000	36.596	8.5	109	0.01
62	4-Nitroaniline	40.000	38.717	3.2	112	0.00
63	Azobenzene	40.000	38.526	3.7	113	0.01
64 I	Phenanthrene-d10	20.000	20.000	0.0	117	0.01
65	4,6-Dinitro-2-methylphenol	40.000	39.721	0.7	118	0.00
66 c	n-Nitrosodiphenylamine	40.000	37.227	6.9	112	0.00
67	4-Bromophenyl-phenylether	40.000	37.101	7.2	112	0.00
68	Hexachlorobenzene	40.000	37.062	7.3	114	0.01
69	Atrazine	40.000	38.057	4.9	116	0.00
70 C	Pentachlorophenol	40.000	38.733	3.2	116	0.01
71	Phenanthrene	40.000	36.445	8.9	113	0.01
72	Anthracene	40.000	37.563	6.1	114	0.00
73	Carbazole	40.000	37.116	7.2	114	0.00
74	Di-n-butylphthalate	40.000	37.602	6.0	115	0.02
75 C	Fluoranthene	40.000	37.481	6.3	117	0.02
76 I	Chrysene-d12	20.000	20.000	0.0	118	0.00
77	Benzydine	40.000	42.271	-5.7	88	0.00
78	Pyrene	40.000	37.404	6.5	113	0.01
79 S	Terphenyl-d14	80.000	66.399	17.0	102	0.02
80	Butylbenzylphthalate	40.000	38.401	4.0	115	0.01
81	Benzo(a)anthracene	40.000	36.950	7.6	113	0.00
82	3,3'-Dichlorobenzidine	40.000	38.038	4.9	114	0.01
83	Chrysene	40.000	37.353	6.6	115	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	38.729	3.2	119	0.00
85 c	Di-n-octyl phthalate	40.000	37.915	5.2	115	0.00
86 I	Perylene-d12	20.000	20.000	0.0	117	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	37.119	7.2	113	0.01
88	Benzo(b)fluoranthene	40.000	36.964	7.6	113	0.02
89	Benzo(k)fluoranthene	40.000	37.464	6.3	115	0.01
90 C	Benzo(a)pyrene	40.000	37.160	7.1	113	0.02
91	Dibenzo(a,h)anthracene	40.000	37.490	6.3	114	0.00
92	Benzo(g,h,i)perylene	40.000	37.216	7.0	113	0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 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



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>PORT06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2934</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/22/2025 10:49</u>
Lab File ID:	<u>BP025544.D</u>	Init. Calib. Date(s):	<u>08/14/2025 08/14/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:33 17:24</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.201		-0.2	
Benzaldehyde	1.082	1.377		27.3	
Phenol-d6	1.544	1.586		2.7	
Phenol	1.620	1.656		2.2	20.0
bis(2-Chloroethyl)ether	1.263	1.266		0.2	
2-Chlorophenol	1.359	1.376		1.3	
2-Methylphenol	1.125	1.147		2.0	
2,2-oxybis(1-Chloropropane)	1.692	1.738		2.7	
Acetophenone	0.502	0.494		-1.6	
3+4-Methylphenols	1.560	1.584		1.5	
n-Nitroso-di-n-propylamine	1.023	1.030	0.050	0.7	
Nitrobenzene-d5	0.395	0.396		0.3	
Hexachloroethane	0.563	0.554		-1.6	
Nitrobenzene	0.353	0.357		1.1	
Isophorone	0.700	0.697		-0.4	
2-Nitrophenol	0.181	0.184		1.7	20.0
2,4-Dimethylphenol	0.312	0.307		-1.6	
bis(2-Chloroethoxy)methane	0.423	0.416		-1.7	
2,4-Dichlorophenol	0.310	0.307		-1.0	20.0
Naphthalene	1.040	1.006		-3.3	
4-Chloroaniline	0.459	0.460		0.2	
Hexachlorobutadiene	0.211	0.200		-5.2	20.0
Caprolactam	0.114	0.124		8.8	
4-Chloro-3-methylphenol	0.355	0.364		2.5	20.0
2-Methylnaphthalene	0.676	0.652		-3.5	
Hexachlorocyclopentadiene	0.349	0.397	0.050	13.8	
2,4,6-Trichlorophenol	0.390	0.387		-0.8	20.0
2-Fluorobiphenyl	1.463	1.364		-6.8	
2,4,5-Trichlorophenol	0.427	0.430		0.7	
1,1-Biphenyl	1.453	1.392		-4.2	
2-Chloronaphthalene	1.131	1.080		-4.5	
2-Nitroaniline	0.329	0.351		6.7	
Dimethylphthalate	1.465	1.455		-0.7	
Acenaphthylene	1.871	1.834		-2.0	
2,6-Dinitrotoluene	0.309	0.324		4.9	
3-Nitroaniline	0.347	0.370		6.6	
Acenaphthene	1.098	1.042		-5.1	20.0
2,4-Dinitrophenol	0.165	0.228	0.050	38.2	
4-Nitrophenol	0.285	0.311	0.050	9.1	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>PORT06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2934</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/22/2025 10:49</u>
Lab File ID:	<u>BP025544.D</u>	Init. Calib. Date(s):	<u>08/14/2025 08/14/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:33 17:24</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.669		-3.9	
2,4-Dinitrotoluene	0.440	0.471		7.0	
Diethylphthalate	1.488	1.520		2.2	
4-Chlorophenyl-phenylether	0.681	0.653		-4.1	
Fluorene	1.370	1.350		-1.5	
4-Nitroaniline	0.356	0.382		7.3	
4,6-Dinitro-2-methylphenol	0.125	0.146		16.8	
n-Nitrosodiphenylamine	0.610	0.590		-3.3	20.0
2,4,6-Tribromophenol	0.269	0.273		1.5	
4-Bromophenyl-phenylether	0.220	0.209		-5.0	
Hexachlorobenzene	0.255	0.238		-6.7	
Atrazine	0.228	0.228		0.0	
Pentachlorophenol	0.161	0.169		5.0	20.0
Phenanthrene	1.099	1.058		-3.7	
Anthracene	1.122	1.113		-0.8	
Carbazole	1.057	1.064		0.7	
Di-n-butylphthalate	1.300	1.314		1.1	
Fluoranthene	1.311	1.296		-1.1	20.0
Pyrene	1.300	1.255		-3.5	
Terphenyl-d14	1.093	1.041		-4.8	
Butylbenzylphthalate	0.589	0.607		3.1	
3,3-Dichlorobenzidine	0.497	0.497		0.0	
Benzo (a) anthracene	1.319	1.273		-3.5	
Chrysene	1.235	1.201		-2.8	
Bis(2-ethylhexyl)phthalate	0.867	0.866		-0.1	
Di-n-octyl phthalate	1.492	1.541		3.3	20.0
Benzo (b) fluoranthene	1.179	1.115		-5.4	
Benzo (k) fluoranthene	1.180	1.139		-3.5	
Benzo (a) pyrene	1.148	1.107		-3.6	20.0
Indeno (1,2,3-cd) pyrene	1.467	1.402		-4.4	
Dibenzo (a,h) anthracene	1.199	1.138		-5.1	
Benzo (g,h,i) perylene	1.178	1.141		-3.1	
1,2,4,5-Tetrachlorobenzene	0.578	0.548		-5.2	
1,4-Dioxane	0.472	0.461		-2.3	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.381		1.1	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
 Data File : BP025544.D
 Acq On : 22 Aug 2025 10:49
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

Manual Integrations
 APPROVED

Reviewed By :Rahul
 Chavli

Quant Time: Aug 22 15:31:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							08/25/2025
1) 1,4-Dichlorobenzene-d4	7.778	152	137158	20.000	ng	-0.03	Supervised By :Jagrut padhyay
21) Naphthalene-d8	10.548	136	591885	20.000	ng	-0.01	
39) Acenaphthene-d10	14.389	164	400784	20.000	ng	-0.02	
64) Phenanthrene-d10	17.189	188	833863	20.000	ng	-0.01	
76) Chrysene-d12	21.624	240	897419	20.000	ng	-0.02	
86) Perylene-d12	24.989	264	1034534	20.000	ng	-0.04	08/25/2025
System Monitoring Compounds							
5) 2-Fluorophenol	5.396	112	658889	79.778	ng	-0.01	
7) Phenol-d6	6.960	99	870194	82.181	ng	0.00	
23) Nitrobenzene-d5	8.919	82	936572	80.044	ng	-0.02	
42) 2,4,6-Tribromophenol	15.901	330	437400	81.081	ng	-0.01	
45) 2-Fluorobiphenyl	13.007	172	2187133	74.582	ng	-0.01	
79) Terphenyl-d14	19.919	244	3735539	76.157	ng	0.00	
Target Compounds							Qvalue
2) 1,4-Dioxane	3.325	88	126565	39.123	ng		98
3) Pyridine	3.719	79	352441	39.803	ng		95
4) n-Nitrosodimethylamine	3.625	42	156699	42.925	ng		95
6) Aniline	7.113	93	584678	40.982	ng		98
8) 2-Chlorophenol	7.354	128	377480	40.502	ng		98
9) Benzaldehyde	6.931	77	377761	50.920	ng		97
10) Phenol	6.990	94	454392	40.896	ng		99
11) bis(2-Chloroethyl)ether	7.207	93	347308	40.104	ng		100
12) 1,3-Dichlorobenzene	7.672	146	403624	39.275	ng		99
13) 1,4-Dichlorobenzene	7.813	146	408744	38.913	ng		100
14) 1,2-Dichlorobenzene	8.131	146	395076	38.855	ng		99
15) Benzyl Alcohol	8.013	79	350420	41.650	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.296	45	476882	41.106	ng		98
17) 2-Methylphenol	8.219	107	314755	40.788	ng		99
18) Hexachloroethane	8.848	117	152108	39.385	ng		97
19) n-Nitroso-di-n-propyla...	8.572	70	282550	40.285	ng		97
20) 3+4-Methylphenols	8.537	107	434634	40.633	ng		99
22) Acetophenone	8.590	105	584402	39.371	ng	#	98
24) Nitrobenzene	8.960	77	423141	40.465	ng		98
25) Isophorone	9.484	82	825151	39.849	ng		98
26) 2-Nitrophenol	9.666	139	217690	40.564	ng		98
27) 2,4-Dimethylphenol	9.731	122	362942	39.326	ng		99
28) bis(2-Chloroethoxy)met...	9.954	93	492540	39.349	ng		98
29) 2,4-Dichlorophenol	10.201	162	362953	39.589	ng		98
30) 1,2,4-Trichlorobenzene	10.413	180	377852	37.597	ng		99
31) Naphthalene	10.595	128	1190906	38.712	ng		99
32) Benzoic acid	9.866	122	287794	42.238	ng		98
33) 4-Chloroaniline	10.701	127	544082	40.039	ng		99
34) Hexachlorobutadiene	10.884	225	236313	37.756	ng		99
35) Caprolactam	11.484	113	146444	43.562	ng		98
36) 4-Chloro-3-methylphenol	11.825	107	430943	40.964	ng		97
37) 2-Methylnaphthalene	12.201	142	772294	38.576	ng		98
38) 1-Methylnaphthalene	12.425	142	814475	38.255	ng		99
40) 1,2,4,5-Tetrachloroben...	12.572	216	438884	37.916	ng		100
41) Hexachlorocyclopentadiene	12.548	237	318513	45.555	ng		99
43) 2,4,6-Trichlorophenol	12.813	196	310241	39.701	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
 Data File : BP025544.D
 Acq On : 22 Aug 2025 10:49
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

Manual Integrations
 APPROVED

Reviewed By :Rahul
 Chavli

Quant Time: Aug 22 15:31:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.889	196	344858	40.266	ng	98
46) 1,1'-Biphenyl	13.213	154	1115829	38.335	ng	99
47) 2-Chloronaphthalene	13.254	162	865951	38.216	ng	99
48) 2-Nitroaniline	13.454	65	281688	42.664	ng	99
49) Acenaphthylene	14.107	152	1469952	39.203	ng	99
50) Dimethylphthalate	13.836	163	1166302	39.739	ng	100
51) 2,6-Dinitrotoluene	13.954	165	259388	41.932	ng	96
52) Acenaphthene	14.454	154	835227	37.949	ng	100
53) 3-Nitroaniline	14.289	138	296205	42.560	ng	97
54) 2,4-Dinitrophenol	14.495	184	183023	55.404	ng	99
55) Dibenzofuran	14.795	168	1337680	38.443	ng	100
56) 4-Nitrophenol	14.613	139	249157	43.566	ng	93
57) 2,4-Dinitrotoluene	14.754	165	377588	42.783	ng	99
58) Fluorene	15.454	166	1082057	39.409	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.031	232	305718	40.427	ng	99
60) Diethylphthalate	15.219	149	1218314	40.853	ng	100
61) 4-Chlorophenyl-phenyle...	15.442	204	523765	38.356	ng	96
62) 4-Nitroaniline	15.466	138	305995	42.887	ng	96
63) Azobenzene	15.742	77	1061331	41.564	ng	98
65) 4,6-Dinitro-2-methylph...	15.531	198	243063	46.762	ng	92
66) n-Nitrosodiphenylamine	15.666	169	983453	38.676	ng	99
67) 4-Bromophenyl-phenylether	16.366	248	349351	38.093	ng	96
68) Hexachlorobenzene	16.477	284	397731	37.412	ng	98
69) Atrazine	16.642	200	380917	40.001	ng	99
70) Pentachlorophenol	16.830	266	281816	41.994	ng	97
71) Phenanthrene	17.230	178	1765274	38.537	ng	99
72) Anthracene	17.325	178	1855981	39.676	ng	99
73) Carbazole	17.607	167	1774697	40.278	ng	99
74) Di-n-butylphthalate	18.195	149	2191310	40.423	ng	100
75) Fluoranthene	19.319	202	2161458	39.558	ng	99
77) Benzidine	19.513	184	1361472	44.453	ng	99
78) Pyrene	19.689	202	2251793	38.605	ng	100
80) Butylbenzylphthalate	20.642	149	1089684	41.220	ng	97
81) Benzo(a)anthracene	21.601	228	2284044	38.592	ng	99
82) 3,3'-Dichlorobenzidine	21.524	252	892356	40.001	ng	99
83) Chrysene	21.677	228	2156183	38.902	ng	99
84) Bis(2-ethylhexyl)phtha...	21.554	149	1553607	39.923	ng	100
85) Di-n-octyl phthalate	22.836	149	2766119	41.326	ng	98
87) Indeno(1,2,3-cd)pyrene	28.824	276	2900566m	38.231	ng	
88) Benzo(b)fluoranthene	23.936	252	2306180	37.804	ng	99
89) Benzo(k)fluoranthene	24.001	252	2356963	38.610	ng	100
90) Benzo(a)pyrene	24.836	252	2290273	38.568	ng	99
91) Dibenzo(a,h)anthracene	28.895	278	2355175	37.987	ng	98
92) Benzo(g,h,i)perylene	30.000	276	2361222	38.743	ng	98

08/25/2025
 Supervised By :Jagrut
 Upadhyay

08/25/2025

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

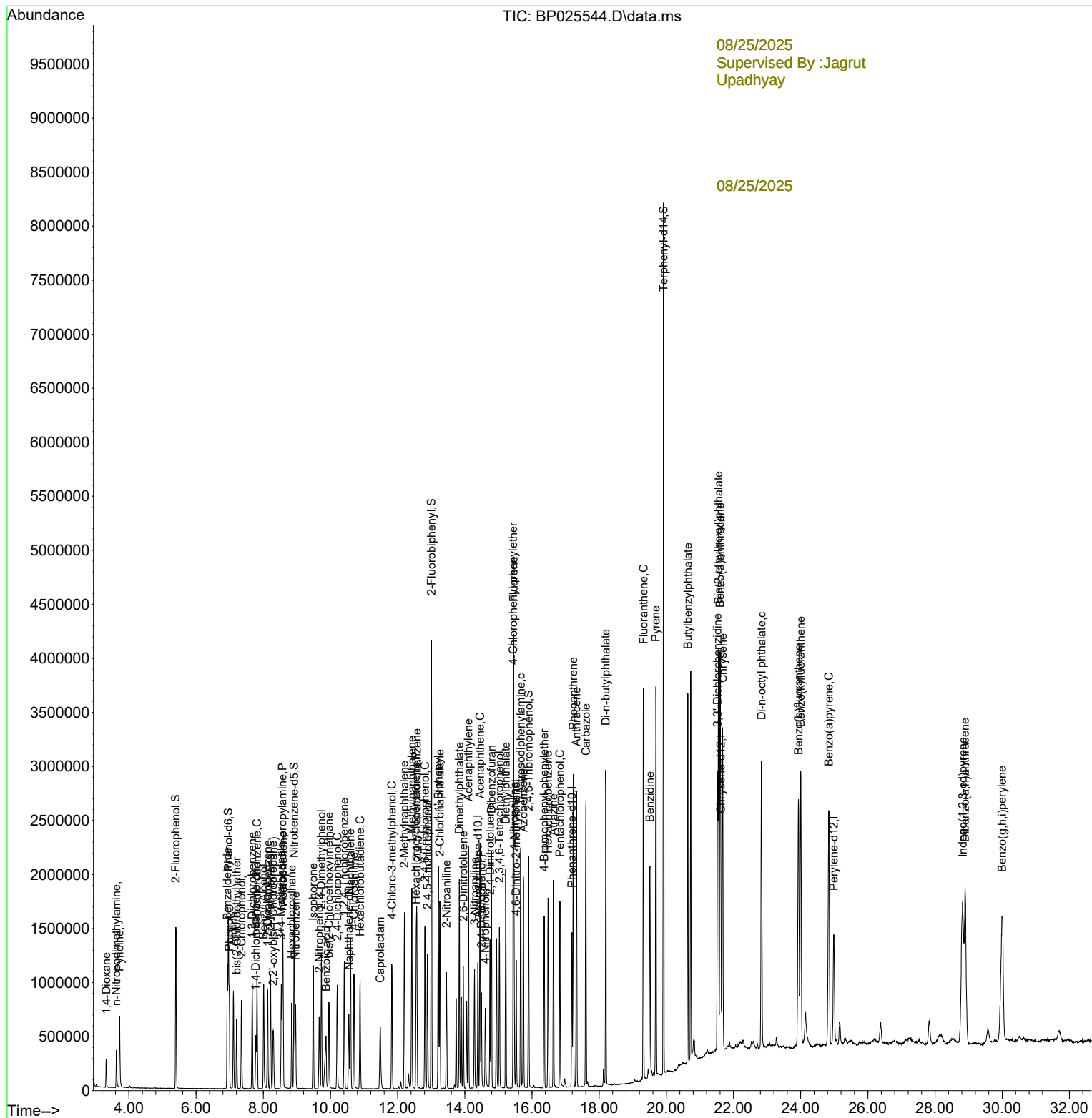

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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\  
Data File : BP025544.D  
Acq On    : 22 Aug 2025  10:49  
Operator  : CG/JU  
Sample    : SSTDCCC040  
Misc      :  
ALS Vial  : 2    Sample Multiplier: 1
```

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chayli

Quant Time: Aug 22 15:31:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
 Data File : BP025544.D
 Acq On : 22 Aug 2025 10:49
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 22 15:31:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 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	87	-0.02
2	1,4-Dioxane	0.472	0.461	2.3	90	-0.01
3	Pyridine	1.291	1.285	0.5	92	-0.01
4	n-Nitrosodimethylamine	0.532	0.571	-7.3	97	-0.01
5 S	2-Fluorophenol	1.204	1.201	0.2	90	-0.01
6	Aniline	2.080	2.131	-2.5	92	-0.01
7 S	Phenol-d6	1.544	1.586	-2.7	91	0.00
8	2-Chlorophenol	1.359	1.376	-1.3	91	-0.01
9	Benzaldehyde	1.082	1.377	-27.3#	88	-0.01
10 C	Phenol	1.620	1.656	-2.2	91	0.00
11	bis(2-Chloroethyl)ether	1.263	1.266	-0.2	90	-0.01
12	1,3-Dichlorobenzene	1.499	1.471	1.9	89	-0.01
13 C	1,4-Dichlorobenzene	1.532	1.490	2.7	88	-0.02
14	1,2-Dichlorobenzene	1.483	1.440	2.9	88	-0.01
15	Benzyl Alcohol	1.227	1.277	-4.1	93	-0.01
16	2,2'-oxybis(1-Chloropropane	1.692	1.738	-2.7	93	-0.02
17	2-Methylphenol	1.125	1.147	-2.0	90	0.00
18	Hexachloroethane	0.563	0.554	1.6	88	-0.02
19 P	n-Nitroso-di-n-propylamine	1.023	1.030	-0.7	90	-0.02
20	3+4-Methylphenols	1.560	1.584	-1.5	90	-0.01
21 I	Naphthalene-d8	1.000	1.000	0.0	89	-0.01
22	Acetophenone	0.502	0.494	1.6	91	-0.01
23 S	Nitrobenzene-d5	0.395	0.396	-0.3	92	-0.02
24	Nitrobenzene	0.353	0.357	-1.1	93	-0.01
25	Isophorone	0.700	0.697	0.4	92	-0.02
26 C	2-Nitrophenol	0.181	0.184	-1.7	91	-0.01
27	2,4-Dimethylphenol	0.312	0.307	1.6	89	-0.01
28	bis(2-Chloroethoxy)methane	0.423	0.416	1.7	91	-0.02
29 C	2,4-Dichlorophenol	0.310	0.307	1.0	90	-0.01
30	1,2,4-Trichlorobenzene	0.340	0.319	6.2	87	-0.01
31	Naphthalene	1.040	1.006	3.3	90	-0.02
32	Benzoic acid	0.230	0.243	-5.7	96	0.00
33	4-Chloroaniline	0.459	0.460	-0.2	91	-0.01
34 C	Hexachlorobutadiene	0.211	0.200	5.2	87	-0.02
35	Caprolactam	0.114	0.124	-8.8	101	-0.01
36 C	4-Chloro-3-methylphenol	0.355	0.364	-2.5	94	-0.01
37	2-Methylnaphthalene	0.676	0.652	3.6	89	-0.02
38	1-Methylnaphthalene	0.719	0.688	4.3	90	-0.01
39 I	Acenaphthene-d10	1.000	1.000	0.0	91	-0.02
40	1,2,4,5-Tetrachlorobenzene	0.578	0.548	5.2	89	-0.02
41 P	Hexachlorocyclopentadiene	0.349	0.397	-13.8	104	-0.02
42 S	2,4,6-Tribromophenol	0.269	0.273	-1.5	94	-0.01
43 C	2,4,6-Trichlorophenol	0.390	0.387	0.8	92	-0.01
44	2,4,5-Trichlorophenol	0.427	0.430	-0.7	92	0.00
45 S	2-Fluorobiphenyl	1.463	1.364	6.8	89	-0.01
46	1,1'-Biphenyl	1.453	1.392	4.2	90	-0.02
47	2-Chloronaphthalene	1.131	1.080	4.5	89	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
 Data File : BP025544.D
 Acq On : 22 Aug 2025 10:49
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 22 15:31:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 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	0.329	0.351	-6.7	97	-0.02
49	Acenaphthylene	1.871	1.834	2.0	92	-0.02
50	Dimethylphthalate	1.465	1.455	0.7	94	-0.02
51	2,6-Dinitrotoluene	0.309	0.324	-4.9	95	-0.01
52 C	Acenaphthene	1.098	1.042	5.1	91	-0.01
53	3-Nitroaniline	0.347	0.370	-6.6	98	-0.01
54 P	2,4-Dinitrophenol	0.165	0.228	-38.2#	127	-0.01
55	Dibenzofuran	1.736	1.669	3.9	90	-0.01
56 P	4-Nitrophenol	0.285	0.311	-9.1	101	0.00
57	2,4-Dinitrotoluene	0.440	0.471	-7.0	98	-0.01
58	Fluorene	1.370	1.350	1.5	94	-0.01
59	2,3,4,6-Tetrachlorophenol	0.377	0.381	-1.1	94	0.00
60	Diethylphthalate	1.488	1.520	-2.2	96	-0.02
61	4-Chlorophenyl-phenylether	0.681	0.653	4.1	91	-0.02
62	4-Nitroaniline	0.356	0.382	-7.3	99	-0.01
63	Azobenzene	1.274	1.324	-3.9	97	-0.01
64 I	Phenanthrene-d10	1.000	1.000	0.0	94	-0.01
65	4,6-Dinitro-2-methylphenol	0.125	0.146	-16.8	112	-0.01
66 c	n-Nitrosodiphenylamine	0.610	0.590	3.3	94	-0.01
67	4-Bromophenyl-phenylether	0.220	0.209	5.0	93	0.00
68	Hexachlorobenzene	0.255	0.238	6.7	93	-0.01
69	Atrazine	0.228	0.228	0.0	99	-0.01
70 C	Pentachlorophenol	0.161	0.169	-5.0	101	-0.01
71	Phenanthrene	1.099	1.058	3.7	96	-0.01
72	Anthracene	1.122	1.113	0.8	97	-0.01
73	Carbazole	1.057	1.064	-0.7	100	0.00
74	Di-n-butylphthalate	1.300	1.314	-1.1	100	-0.01
75 C	Fluoranthene	1.311	1.296	1.1	99	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	100	-0.02
77	Benzidine	0.683	0.759	-11.1	78	0.00
78	Pyrene	1.300	1.255	3.5	98	-0.01
79 S	Terphenyl-d14	1.093	1.041	4.8	99	0.00
80	Butylbenzylphthalate	0.589	0.607	-3.1	105	0.00
81	Benzo(a)anthracene	1.319	1.273	3.5	100	-0.03
82	3,3'-Dichlorobenzidine	0.497	0.497	0.0	102	-0.02
83	Chrysene	1.235	1.201	2.8	101	-0.02
84	Bis(2-ethylhexyl)phthalate	0.867	0.866	0.1	104	-0.03
85 c	Di-n-octyl phthalate	1.492	1.541	-3.3	106	-0.04
86 I	Perylene-d12	1.000	1.000	0.0	101	-0.04
87	Indeno(1,2,3-cd)pyrene	1.467	1.402	4.4	101	-0.04
88	Benzo(b)fluoranthene	1.179	1.115	5.4	99	-0.02
89	Benzo(k)fluoranthene	1.180	1.139	3.5	102	-0.03
90 C	Benzo(a)pyrene	1.148	1.107	3.6	101	-0.02
91	Dibenzo(a,h)anthracene	1.199	1.138	5.1	100	-0.06
92	Benzo(g,h,i)perylene	1.178	1.141	3.1	101	-0.06

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025544.D
Acq On : 22 Aug 2025 10:49
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 15:31:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
 Data File : BP025544.D
 Acq On : 22 Aug 2025 10:49
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 22 15:31:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 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	87	-0.02
2	1,4-Dioxane	40.000	39.123	2.2	90	-0.01
3	Pyridine	40.000	39.803	0.5	92	-0.01
4	n-Nitrosodimethylamine	40.000	42.925	-7.3	97	-0.01
5 S	2-Fluorophenol	80.000	79.778	0.3	90	-0.01
6	Aniline	40.000	40.982	-2.5	92	-0.01
7 S	Phenol-d6	80.000	82.181	-2.7	91	0.00
8	2-Chlorophenol	40.000	40.502	-1.3	91	-0.01
9	Benzaldehyde	40.000	50.920	-27.3#	88	-0.01
10 C	Phenol	40.000	40.896	-2.2	91	0.00
11	bis(2-Chloroethyl)ether	40.000	40.104	-0.3	90	-0.01
12	1,3-Dichlorobenzene	40.000	39.275	1.8	89	-0.01
13 C	1,4-Dichlorobenzene	40.000	38.913	2.7	88	-0.02
14	1,2-Dichlorobenzene	40.000	38.855	2.9	88	-0.01
15	Benzyl Alcohol	40.000	41.650	-4.1	93	-0.01
16	2,2'-oxybis(1-Chloropropane	40.000	41.106	-2.8	93	-0.02
17	2-Methylphenol	40.000	40.788	-2.0	90	0.00
18	Hexachloroethane	40.000	39.385	1.5	88	-0.02
19 P	n-Nitroso-di-n-propylamine	40.000	40.285	-0.7	90	-0.02
20	3+4-Methylphenols	40.000	40.633	-1.6	90	-0.01
21 I	Naphthalene-d8	20.000	20.000	0.0	89	-0.01
22	Acetophenone	40.000	39.371	1.6	91	-0.01
23 S	Nitrobenzene-d5	80.000	80.044	-0.1	92	-0.02
24	Nitrobenzene	40.000	40.465	-1.2	93	-0.01
25	Isophorone	40.000	39.849	0.4	92	-0.02
26 C	2-Nitrophenol	40.000	40.564	-1.4	91	-0.01
27	2,4-Dimethylphenol	40.000	39.326	1.7	89	-0.01
28	bis(2-Chloroethoxy)methane	40.000	39.349	1.6	91	-0.02
29 C	2,4-Dichlorophenol	40.000	39.589	1.0	90	-0.01
30	1,2,4-Trichlorobenzene	40.000	37.597	6.0	87	-0.01
31	Naphthalene	40.000	38.712	3.2	90	-0.02
32	Benzoic acid	40.000	42.238	-5.6	96	0.00
33	4-Chloroaniline	40.000	40.039	-0.1	91	-0.01
34 C	Hexachlorobutadiene	40.000	37.756	5.6	87	-0.02
35	Caprolactam	40.000	43.562	-8.9	101	-0.01
36 C	4-Chloro-3-methylphenol	40.000	40.964	-2.4	94	-0.01
37	2-Methylnaphthalene	40.000	38.576	3.6	89	-0.02
38	1-Methylnaphthalene	40.000	38.255	4.4	90	-0.01
39 I	Acenaphthene-d10	20.000	20.000	0.0	91	-0.02
40	1,2,4,5-Tetrachlorobenzene	40.000	37.916	5.2	89	-0.02
41 P	Hexachlorocyclopentadiene	40.000	45.555	-13.9	104	-0.02
42 S	2,4,6-Tribromophenol	80.000	81.081	-1.4	94	-0.01
43 C	2,4,6-Trichlorophenol	40.000	39.701	0.7	92	-0.01
44	2,4,5-Trichlorophenol	40.000	40.266	-0.7	92	0.00
45 S	2-Fluorobiphenyl	80.000	74.582	6.8	89	-0.01
46	1,1'-Biphenyl	40.000	38.335	4.2	90	-0.02
47	2-Chloronaphthalene	40.000	38.216	4.5	89	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
 Data File : BP025544.D
 Acq On : 22 Aug 2025 10:49
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 22 15:31:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 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	42.664	-6.7	97	-0.02
49	Acenaphthylene	40.000	39.203	2.0	92	-0.02
50	Dimethylphthalate	40.000	39.739	0.7	94	-0.02
51	2,6-Dinitrotoluene	40.000	41.932	-4.8	95	-0.01
52 C	Acenaphthene	40.000	37.949	5.1	91	-0.01
53	3-Nitroaniline	40.000	42.560	-6.4	98	-0.01
54 P	2,4-Dinitrophenol	40.000	55.404	-38.5#	127	-0.01
55	Dibenzofuran	40.000	38.443	3.9	90	-0.01
56 P	4-Nitrophenol	40.000	43.566	-8.9	101	0.00
57	2,4-Dinitrotoluene	40.000	42.783	-7.0	98	-0.01
58	Fluorene	40.000	39.409	1.5	94	-0.01
59	2,3,4,6-Tetrachlorophenol	40.000	40.427	-1.1	94	0.00
60	Diethylphthalate	40.000	40.853	-2.1	96	-0.02
61	4-Chlorophenyl-phenylether	40.000	38.356	4.1	91	-0.02
62	4-Nitroaniline	40.000	42.887	-7.2	99	-0.01
63	Azobenzene	40.000	41.564	-3.9	97	-0.01
64 I	Phenanthrene-d10	20.000	20.000	0.0	94	-0.01
65	4,6-Dinitro-2-methylphenol	40.000	46.762	-16.9	112	-0.01
66 c	n-Nitrosodiphenylamine	40.000	38.676	3.3	94	-0.01
67	4-Bromophenyl-phenylether	40.000	38.093	4.8	93	0.00
68	Hexachlorobenzene	40.000	37.412	6.5	93	-0.01
69	Atrazine	40.000	40.001	-0.0	99	-0.01
70 C	Pentachlorophenol	40.000	41.994	-5.0	101	-0.01
71	Phenanthrene	40.000	38.537	3.7	96	-0.01
72	Anthracene	40.000	39.676	0.8	97	-0.01
73	Carbazole	40.000	40.278	-0.7	100	0.00
74	Di-n-butylphthalate	40.000	40.423	-1.1	100	-0.01
75 C	Fluoranthene	40.000	39.558	1.1	99	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	100	-0.02
77	Benzydine	40.000	44.453	-11.1	78	0.00
78	Pyrene	40.000	38.605	3.5	98	-0.01
79 S	Terphenyl-d14	80.000	76.157	4.8	99	0.00
80	Butylbenzylphthalate	40.000	41.220	-3.0	105	0.00
81	Benzo(a)anthracene	40.000	38.592	3.5	100	-0.03
82	3,3'-Dichlorobenzidine	40.000	40.001	-0.0	102	-0.02
83	Chrysene	40.000	38.902	2.7	101	-0.02
84	Bis(2-ethylhexyl)phthalate	40.000	39.923	0.2	104	-0.03
85 c	Di-n-octyl phthalate	40.000	41.326	-3.3	106	-0.04
86 I	Perylene-d12	20.000	20.000	0.0	101	-0.04
87	Indeno(1,2,3-cd)pyrene	40.000	38.231	4.4	101	-0.04
88	Benzo(b)fluoranthene	40.000	37.804	5.5	99	-0.02
89	Benzo(k)fluoranthene	40.000	38.610	3.5	102	-0.03
90 C	Benzo(a)pyrene	40.000	38.568	3.6	101	-0.02
91	Dibenzo(a,h)anthracene	40.000	37.987	5.0	100	-0.06
92	Benzo(g,h,i)perylene	40.000	38.743	3.1	101	-0.06

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025544.D
Acq On : 22 Aug 2025 10:49
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 15:31:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 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



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>PORT06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2934</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/25/2025 12:13</u>
Lab File ID:	<u>BP025561.D</u>	Init. Calib. Date(s):	<u>08/14/2025 08/14/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:33 17:24</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.230		2.2	
Benzaldehyde	1.082	1.338		23.7	
Phenol-d6	1.544	1.578		2.2	
Phenol	1.620	1.637		1.0	20.0
bis(2-Chloroethyl)ether	1.263	1.249		-1.1	
2-Chlorophenol	1.359	1.362		0.2	
2-Methylphenol	1.125	1.108		-1.5	
2,2-oxybis(1-Chloropropane)	1.692	1.716		1.4	
Acetophenone	0.502	0.490		-2.4	
3+4-Methylphenols	1.560	1.501		-3.8	
n-Nitroso-di-n-propylamine	1.023	0.970	0.050	-5.2	
Nitrobenzene-d5	0.395	0.399		1.0	
Hexachloroethane	0.563	0.547		-2.8	
Nitrobenzene	0.353	0.358		1.4	
Isophorone	0.700	0.668		-4.6	
2-Nitrophenol	0.181	0.186		2.8	20.0
2,4-Dimethylphenol	0.312	0.304		-2.6	
bis(2-Chloroethoxy)methane	0.423	0.405		-4.3	
2,4-Dichlorophenol	0.310	0.306		-1.3	20.0
Naphthalene	1.040	1.011		-2.8	
4-Chloroaniline	0.459	0.446		-2.8	
Hexachlorobutadiene	0.211	0.197		-6.6	20.0
Caprolactam	0.114	0.111		-2.6	
4-Chloro-3-methylphenol	0.355	0.342		-3.7	20.0
2-Methylnaphthalene	0.676	0.636		-5.9	
Hexachlorocyclopentadiene	0.349	0.387	0.050	10.9	
2,4,6-Trichlorophenol	0.390	0.396		1.5	20.0
2-Fluorobiphenyl	1.463	1.453		-0.7	
2,4,5-Trichlorophenol	0.427	0.435		1.9	
1,1-Biphenyl	1.453	1.456		0.2	
2-Chloronaphthalene	1.131	1.146		1.3	
2-Nitroaniline	0.329	0.351		6.7	
Dimethylphthalate	1.465	1.428		-2.5	
Acenaphthylene	1.871	1.872		0.1	
2,6-Dinitrotoluene	0.309	0.318		2.9	
3-Nitroaniline	0.347	0.364		4.9	
Acenaphthene	1.098	1.074		-2.2	20.0
2,4-Dinitrophenol	0.165	0.220	0.050	33.3	
4-Nitrophenol	0.285	0.297	0.050	4.2	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: PORT06
 Lab Code: ACE SDG No.: Q2934
 Instrument ID: BNA_P Calibration Date/Time: 08/25/2025 12:13
 Lab File ID: BP025561.D Init. Calib. Date(s): 08/14/2025 08/14/2025
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.714		-1.3	
2,4-Dinitrotoluene	0.440	0.461		4.8	
Diethylphthalate	1.488	1.451		-2.5	
4-Chlorophenyl-phenylether	0.681	0.659		-3.2	
Fluorene	1.370	1.353		-1.2	
4-Nitroaniline	0.356	0.380		6.7	
4,6-Dinitro-2-methylphenol	0.125	0.147		17.6	
n-Nitrosodiphenylamine	0.610	0.601		-1.5	20.0
2,4,6-Tribromophenol	0.269	0.270		0.4	
4-Bromophenyl-phenylether	0.220	0.213		-3.2	
Hexachlorobenzene	0.255	0.243		-4.7	
Atrazine	0.228	0.221		-3.1	
Pentachlorophenol	0.161	0.156		-3.1	20.0
Phenanthrene	1.099	1.083		-1.5	
Anthracene	1.122	1.113		-0.8	
Carbazole	1.057	1.061		0.4	
Di-n-butylphthalate	1.300	1.268		-2.5	
Fluoranthene	1.311	1.276		-2.7	20.0
Pyrene	1.300	1.273		-2.1	
Terphenyl-d14	1.093	1.041		-4.8	
Butylbenzylphthalate	0.589	0.574		-2.5	
3,3-Dichlorobenzidine	0.497	0.487		-2.0	
Benzo (a) anthracene	1.319	1.282		-2.8	
Chrysene	1.235	1.205		-2.4	
Bis(2-ethylhexyl)phthalate	0.867	0.799		-7.8	
Di-n-octyl phthalate	1.492	1.388		-7.0	20.0
Benzo (b) fluoranthene	1.179	1.144		-3.0	
Benzo (k) fluoranthene	1.180	1.167		-1.1	
Benzo (a) pyrene	1.148	1.140		-0.7	20.0
Indeno (1,2,3-cd) pyrene	1.467	1.451		-1.1	
Dibenzo (a,h) anthracene	1.199	1.203		0.3	
Benzo (g,h,i) perylene	1.178	1.174		-0.3	
1,2,4,5-Tetrachlorobenzene	0.578	0.586		1.4	
1,4-Dioxane	0.472	0.466		-1.3	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.380		0.8	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
 Data File : BP025561.D
 Acq On : 25 Aug 2025 12:13
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

Quant Time: Aug 25 12:43:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.766	152	176050	20.000	ng	-0.03
21) Naphthalene-d8	10.537	136	715069	20.000	ng	-0.02
39) Acenaphthene-d10	14.390	164	441846	20.000	ng	-0.02
64) Phenanthrene-d10	17.189	188	900532	20.000	ng	#-0.01
76) Chrysene-d12	21.630	240	945335	20.000	ng	-0.02
86) Perylene-d12	25.001	264	1072626	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.384	112	866207	81.710	ng	-0.02
7) Phenol-d6	6.949	99	1111241	81.761	ng	-0.02
23) Nitrobenzene-d5	8.908	82	1142153	80.798	ng	-0.03
42) 2,4,6-Tribromophenol	15.901	330	477313	80.257	ng	-0.01
45) 2-Fluorobiphenyl	12.996	172	2568085	79.434	ng	-0.02
79) Terphenyl-d14	19.919	244	3938138	76.218	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.314	88	164004	39.496	ng	98
3) Pyridine	3.714	79	447513	39.375	ng	96
4) n-Nitrosodimethylamine	3.620	42	202647	43.249	ng	99
6) Aniline	7.096	93	730840	39.910	ng	99
8) 2-Chlorophenol	7.343	128	479663	40.097	ng	99
9) Benzaldehyde	6.914	77	471200	49.484	ng	97
10) Phenol	6.978	94	576274	40.408	ng	99
11) bis(2-Chloroethyl)ether	7.190	93	439926	39.577	ng	98
12) 1,3-Dichlorobenzene	7.661	146	522527	39.613	ng	99
13) 1,4-Dichlorobenzene	7.802	146	531141	39.395	ng	98
14) 1,2-Dichlorobenzene	8.113	146	511007	39.154	ng	99
15) Benzyl Alcohol	8.002	79	419439	38.840	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.290	45	604113	40.570	ng	98
17) 2-Methylphenol	8.208	107	390244	39.399	ng	99
18) Hexachloroethane	8.837	117	192610	38.854	ng	98
19) n-Nitroso-di-n-propyla...	8.560	70	341386	37.921	ng	97
20) 3+4-Methylphenols	8.531	107	528509	38.494	ng	96
22) Acetophenone	8.578	105	700808	39.080	ng	# 99
24) Nitrobenzene	8.949	77	511679	40.502	ng	99
25) Isophorone	9.472	82	954970	38.173	ng	99
26) 2-Nitrophenol	9.655	139	265575	40.961	ng	96
27) 2,4-Dimethylphenol	9.713	122	435257	39.037	ng	99
28) bis(2-Chloroethoxy)met...	9.943	93	579558	38.325	ng	99
29) 2,4-Dichlorophenol	10.190	162	438318	39.573	ng	98
30) 1,2,4-Trichlorobenzene	10.402	180	461861	38.039	ng	98
31) Naphthalene	10.584	128	1445521	38.894	ng	100
32) Benzoic acid	9.860	122	318836	38.733	ng	98
33) 4-Chloroaniline	10.690	127	637942	38.859	ng	99
34) Hexachlorobutadiene	10.872	225	282057	37.301	ng	99
35) Caprolactam	11.478	113	158398	39.001	ng	98
36) 4-Chloro-3-methylphenol	11.819	107	489418	38.508	ng	98
37) 2-Methylnaphthalene	12.190	142	909060	37.585	ng	100
38) 1-Methylnaphthalene	12.413	142	972421	37.806	ng	99
40) 1,2,4,5-Tetrachloroben...	12.566	216	517533	40.556	ng	99
41) Hexachlorocyclopentadiene	12.543	237	341951	44.362	ng	98
43) 2,4,6-Trichlorophenol	12.807	196	350304	40.662	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
 Data File : BP025561.D
 Acq On : 25 Aug 2025 12:13
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

Quant Time: Aug 25 12:43:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.884	196	384419	40.714	ng	98
46) 1,1'-Biphenyl	13.213	154	1286448	40.089	ng	100
47) 2-Chloronaphthalene	13.254	162	1012747	40.540	ng	98
48) 2-Nitroaniline	13.454	65	310261	42.624	ng	97
49) Acenaphthylene	14.101	152	1654557	40.026	ng	100
50) Dimethylphthalate	13.837	163	1261530	38.989	ng	100
51) 2,6-Dinitrotoluene	13.954	165	280736	41.166	ng	99
52) Acenaphthene	14.454	154	949333	39.125	ng	100
53) 3-Nitroaniline	14.290	138	321796	41.940	ng	99
54) 2,4-Dinitrophenol	14.495	184	194290	53.348	ng	98
55) Dibenzofuran	14.790	168	1515005	39.493	ng	98
56) 4-Nitrophenol	14.619	139	262827	41.685	ng	97
57) 2,4-Dinitrotoluene	14.748	165	407706	41.902	ng	99
58) Fluorene	15.448	166	1195914	39.508	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.025	232	335646	40.260	ng	99
60) Diethylphthalate	15.225	149	1282145	38.998	ng	98
61) 4-Chlorophenyl-phenyle...	15.442	204	582242	38.676	ng	99
62) 4-Nitroaniline	15.466	138	335838	42.695	ng	96
63) Azobenzene	15.748	77	1144968	40.672	ng	98
65) 4,6-Dinitro-2-methylph...	15.531	198	263920	47.015	ng	93
66) n-Nitrosodiphenylamine	15.666	169	1082642	39.425	ng	99
67) 4-Bromophenyl-phenylether	16.360	248	383257	38.696	ng	95
68) Hexachlorobenzene	16.484	284	437353	38.094	ng	98
69) Atrazine	16.642	200	398927	38.790	ng	98
70) Pentachlorophenol	16.837	266	281026	38.776	ng	98
71) Phenanthrene	17.236	178	1950284	39.424	ng	99
72) Anthracene	17.331	178	2005437	39.697	ng	100
73) Carbazole	17.607	167	1910675	40.154	ng	99
74) Di-n-butylphthalate	18.201	149	2284164	39.016	ng	99
75) Fluoranthene	19.319	202	2298328	38.949	ng	100
77) Benzidine	19.513	184	1385115	42.933	ng	100
78) Pyrene	19.695	202	2407357	39.180	ng	99
80) Butylbenzylphthalate	20.636	149	1084601	38.948	ng	98
81) Benzo(a)anthracene	21.607	228	2424158	38.883	ng	100
82) 3,3'-Dichlorobenzidine	21.536	252	921505	39.214	ng	99
83) Chrysene	21.683	228	2278817	39.030	ng	99
84) Bis(2-ethylhexyl)phtha...	21.554	149	1511370	36.870	ng	100
85) Di-n-octyl phthalate	22.836	149	2624413	37.221	ng	98
87) Indeno(1,2,3-cd)pyrene	28.848	276	3113666	39.583	ng	# 88
88) Benzo(b)fluoranthene	23.936	252	2453244	38.787	ng	100
89) Benzo(k)fluoranthene	24.001	252	2502757	39.543	ng	99
90) Benzo(a)pyrene	24.842	252	2445905	39.726	ng	99
91) Dibenzo(a,h)anthracene	28.918	278	2581244	40.154	ng	98
92) Benzo(g,h,i)perylene	30.018	276	2517967	39.848	ng	99

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

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

[illegible]

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
 Data File : BP025561.D
 Acq On : 25 Aug 2025 12:13
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 25 12:43:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 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	112	-0.03
2	1,4-Dioxane	0.472	0.466	1.3	117	-0.02
3	Pyridine	1.291	1.271	1.5	116	-0.02
4	n-Nitrosodimethylamine	0.532	0.576	-8.3	126	-0.02
5 S	2-Fluorophenol	1.204	1.230	-2.2	118	-0.02
6	Aniline	2.080	2.076	0.2	115	-0.03
7 S	Phenol-d6	1.544	1.578	-2.2	116	-0.02
8	2-Chlorophenol	1.359	1.362	-0.2	116	-0.02
9	Benzaldehyde	1.082	1.338	-23.7	109	-0.03
10 C	Phenol	1.620	1.637	-1.0	116	-0.02
11	bis(2-Chloroethyl)ether	1.263	1.249	1.1	114	-0.03
12	1,3-Dichlorobenzene	1.499	1.484	1.0	115	-0.02
13 C	1,4-Dichlorobenzene	1.532	1.508	1.6	115	-0.03
14	1,2-Dichlorobenzene	1.483	1.451	2.2	113	-0.03
15	Benzyl Alcohol	1.227	1.191	2.9	111	-0.02
16	2,2'-oxybis(1-Chloropropane	1.692	1.716	-1.4	118	-0.02
17	2-Methylphenol	1.125	1.108	1.5	112	-0.02
18	Hexachloroethane	0.563	0.547	2.8	112	-0.03
19 P	n-Nitroso-di-n-propylamine	1.023	0.970	5.2	109	-0.03
20	3+4-Methylphenols	1.560	1.501	3.8	110	-0.02
21 I	Naphthalene-d8	1.000	1.000	0.0	108	-0.02
22	Acetophenone	0.502	0.490	2.4	109	-0.02
23 S	Nitrobenzene-d5	0.395	0.399	-1.0	112	-0.03
24	Nitrobenzene	0.353	0.358	-1.4	112	-0.02
25	Isophorone	0.700	0.668	4.6	107	-0.03
26 C	2-Nitrophenol	0.181	0.186	-2.8	111	-0.02
27	2,4-Dimethylphenol	0.312	0.304	2.6	107	-0.03
28	bis(2-Chloroethoxy)methane	0.423	0.405	4.3	107	-0.03
29 C	2,4-Dichlorophenol	0.310	0.306	1.3	108	-0.02
30	1,2,4-Trichlorobenzene	0.340	0.323	5.0	106	-0.02
31	Naphthalene	1.040	1.011	2.8	109	-0.03
32	Benzoic acid	0.230	0.223	3.0	106	-0.01
33	4-Chloroaniline	0.459	0.446	2.8	106	-0.02
34 C	Hexachlorobutadiene	0.211	0.197	6.6	104	-0.03
35	Caprolactam	0.114	0.111	2.6	109	-0.02
36 C	4-Chloro-3-methylphenol	0.355	0.342	3.7	107	-0.02
37	2-Methylnaphthalene	0.676	0.636	5.9	105	-0.03
38	1-Methylnaphthalene	0.719	0.680	5.4	107	-0.02
39 I	Acenaphthene-d10	1.000	1.000	0.0	100	-0.02
40	1,2,4,5-Tetrachlorobenzene	0.578	0.586	-1.4	105	-0.02
41 P	Hexachlorocyclopentadiene	0.349	0.387	-10.9	111	-0.03
42 S	2,4,6-Tribromophenol	0.269	0.270	-0.4	103	-0.01
43 C	2,4,6-Trichlorophenol	0.390	0.396	-1.5	104	-0.02
44	2,4,5-Trichlorophenol	0.427	0.435	-1.9	103	-0.01
45 S	2-Fluorobiphenyl	1.463	1.453	0.7	105	-0.02
46	1,1'-Biphenyl	1.453	1.456	-0.2	104	-0.02
47	2-Chloronaphthalene	1.131	1.146	-1.3	104	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
 Data File : BP025561.D
 Acq On : 25 Aug 2025 12:13
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 25 12:43:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 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	0.329	0.351	-6.7	106	-0.02
49	Acenaphthylene	1.871	1.872	-0.1	104	-0.02
50	Dimethylphthalate	1.465	1.428	2.5	102	-0.02
51	2,6-Dinitrotoluene	0.309	0.318	-2.9	103	-0.01
52 C	Acenaphthene	1.098	1.074	2.2	103	-0.01
53	3-Nitroaniline	0.347	0.364	-4.9	107	-0.01
54 P	2,4-Dinitrophenol	0.165	0.220	-33.3#	135	-0.01
55	Dibenzofuran	1.736	1.714	1.3	102	-0.02
56 P	4-Nitrophenol	0.285	0.297	-4.2	107	0.00
57	2,4-Dinitrotoluene	0.440	0.461	-4.8	106	-0.02
58	Fluorene	1.370	1.353	1.2	104	-0.02
59	2,3,4,6-Tetrachlorophenol	0.377	0.380	-0.8	103	-0.01
60	Diethylphthalate	1.488	1.451	2.5	101	-0.01
61	4-Chlorophenyl-phenylether	0.681	0.659	3.2	101	-0.02
62	4-Nitroaniline	0.356	0.380	-6.7	108	-0.01
63	Azobenzene	1.274	1.296	-1.7	105	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	102	-0.01
65	4,6-Dinitro-2-methylphenol	0.125	0.147	-17.6	122	-0.01
66 c	n-Nitrosodiphenylamine	0.610	0.601	1.5	104	-0.01
67	4-Bromophenyl-phenylether	0.220	0.213	3.2	102	-0.01
68	Hexachlorobenzene	0.255	0.243	4.7	102	0.00
69	Atrazine	0.228	0.221	3.1	103	-0.01
70 C	Pentachlorophenol	0.161	0.156	3.1	101	0.00
71	Phenanthrene	1.099	1.083	1.5	106	0.00
72	Anthracene	1.122	1.113	0.8	105	0.00
73	Carbazole	1.057	1.061	-0.4	107	0.00
74	Di-n-butylphthalate	1.300	1.268	2.5	104	0.00
75 C	Fluoranthene	1.311	1.276	2.7	106	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	105	-0.02
77	Benzydine	0.683	0.733	-7.3	80	0.00
78	Pyrene	1.300	1.273	2.1	105	0.00
79 S	Terphenyl-d14	1.093	1.041	4.8	105	0.00
80	Butylbenzylphthalate	0.589	0.574	2.5	104	-0.01
81	Benzo(a)anthracene	1.319	1.282	2.8	106	-0.02
82	3,3'-Dichlorobenzidine	0.497	0.487	2.0	105	0.00
83	Chrysene	1.235	1.205	2.4	107	-0.01
84	Bis(2-ethylhexyl)phthalate	0.867	0.799	7.8	101	-0.03
85 c	Di-n-octyl phthalate	1.492	1.388	7.0	101	-0.04
86 I	Perylene-d12	1.000	1.000	0.0	105	-0.03
87	Indeno(1,2,3-cd)pyrene	1.467	1.451	1.1	108	-0.02
88	Benzo(b)fluoranthene	1.179	1.144	3.0	106	-0.02
89	Benzo(k)fluoranthene	1.180	1.167	1.1	108	-0.03
90 C	Benzo(a)pyrene	1.148	1.140	0.7	108	-0.01
91	Dibenzo(a,h)anthracene	1.199	1.203	-0.3	109	-0.04
92	Benzo(g,h,i)perylene	1.178	1.174	0.3	108	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
Data File : BP025561.D
Acq On : 25 Aug 2025 12:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 25 12:43:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
 Data File : BP025561.D
 Acq On : 25 Aug 2025 12:13
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 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	112	-0.03
2	1,4-Dioxane	40.000	39.496	1.3	117	-0.02
3	Pyridine	40.000	39.375	1.6	116	-0.02
4	n-Nitrosodimethylamine	40.000	43.249	-8.1	126	-0.02
5 S	2-Fluorophenol	80.000	81.710	-2.1	118	-0.02
6	Aniline	40.000	39.910	0.2	115	-0.03
7 S	Phenol-d6	80.000	81.761	-2.2	116	-0.02
8	2-Chlorophenol	40.000	40.097	-0.2	116	-0.02
9	Benzaldehyde	40.000	49.484	-23.7	109	-0.03
10 C	Phenol	40.000	40.408	-1.0	116	-0.02
11	bis(2-Chloroethyl)ether	40.000	39.577	1.1	114	-0.03
12	1,3-Dichlorobenzene	40.000	39.613	1.0	115	-0.02
13 C	1,4-Dichlorobenzene	40.000	39.395	1.5	115	-0.03
14	1,2-Dichlorobenzene	40.000	39.154	2.1	113	-0.03
15	Benzyl Alcohol	40.000	38.840	2.9	111	-0.02
16	2,2'-oxybis(1-Chloropropane	40.000	40.570	-1.4	118	-0.02
17	2-Methylphenol	40.000	39.399	1.5	112	-0.02
18	Hexachloroethane	40.000	38.854	2.9	112	-0.03
19 P	n-Nitroso-di-n-propylamine	40.000	37.921	5.2	109	-0.03
20	3+4-Methylphenols	40.000	38.494	3.8	110	-0.02
21 I	Naphthalene-d8	20.000	20.000	0.0	108	-0.02
22	Acetophenone	40.000	39.080	2.3	109	-0.02
23 S	Nitrobenzene-d5	80.000	80.798	-1.0	112	-0.03
24	Nitrobenzene	40.000	40.502	-1.3	112	-0.02
25	Isophorone	40.000	38.173	4.6	107	-0.03
26 C	2-Nitrophenol	40.000	40.961	-2.4	111	-0.02
27	2,4-Dimethylphenol	40.000	39.037	2.4	107	-0.03
28	bis(2-Chloroethoxy)methane	40.000	38.325	4.2	107	-0.03
29 C	2,4-Dichlorophenol	40.000	39.573	1.1	108	-0.02
30	1,2,4-Trichlorobenzene	40.000	38.039	4.9	106	-0.02
31	Naphthalene	40.000	38.894	2.8	109	-0.03
32	Benzoic acid	40.000	38.733	3.2	106	-0.01
33	4-Chloroaniline	40.000	38.859	2.9	106	-0.02
34 C	Hexachlorobutadiene	40.000	37.301	6.7	104	-0.03
35	Caprolactam	40.000	39.001	2.5	109	-0.02
36 C	4-Chloro-3-methylphenol	40.000	38.508	3.7	107	-0.02
37	2-Methylnaphthalene	40.000	37.585	6.0	105	-0.03
38	1-Methylnaphthalene	40.000	37.806	5.5	107	-0.02
39 I	Acenaphthene-d10	20.000	20.000	0.0	100	-0.02
40	1,2,4,5-Tetrachlorobenzene	40.000	40.556	-1.4	105	-0.02
41 P	Hexachlorocyclopentadiene	40.000	44.362	-10.9	111	-0.03
42 S	2,4,6-Tribromophenol	80.000	80.257	-0.3	103	-0.01
43 C	2,4,6-Trichlorophenol	40.000	40.662	-1.7	104	-0.02
44	2,4,5-Trichlorophenol	40.000	40.714	-1.8	103	-0.01
45 S	2-Fluorobiphenyl	80.000	79.434	0.7	105	-0.02
46	1,1'-Biphenyl	40.000	40.089	-0.2	104	-0.02
47	2-Chloronaphthalene	40.000	40.540	-1.3	104	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
 Data File : BP025561.D
 Acq On : 25 Aug 2025 12:13
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 25 12:43:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 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	42.624	-6.6	106	-0.02
49	Acenaphthylene	40.000	40.026	-0.1	104	-0.02
50	Dimethylphthalate	40.000	38.989	2.5	102	-0.02
51	2,6-Dinitrotoluene	40.000	41.166	-2.9	103	-0.01
52 C	Acenaphthene	40.000	39.125	2.2	103	-0.01
53	3-Nitroaniline	40.000	41.940	-4.8	107	-0.01
54 P	2,4-Dinitrophenol	40.000	53.348	-33.4#	135	-0.01
55	Dibenzofuran	40.000	39.493	1.3	102	-0.02
56 P	4-Nitrophenol	40.000	41.685	-4.2	107	0.00
57	2,4-Dinitrotoluene	40.000	41.902	-4.8	106	-0.02
58	Fluorene	40.000	39.508	1.2	104	-0.02
59	2,3,4,6-Tetrachlorophenol	40.000	40.260	-0.6	103	-0.01
60	Diethylphthalate	40.000	38.998	2.5	101	-0.01
61	4-Chlorophenyl-phenylether	40.000	38.676	3.3	101	-0.02
62	4-Nitroaniline	40.000	42.695	-6.7	108	-0.01
63	Azobenzene	40.000	40.672	-1.7	105	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	102	-0.01
65	4,6-Dinitro-2-methylphenol	40.000	47.015	-17.5	122	-0.01
66 c	n-Nitrosodiphenylamine	40.000	39.425	1.4	104	-0.01
67	4-Bromophenyl-phenylether	40.000	38.696	3.3	102	-0.01
68	Hexachlorobenzene	40.000	38.094	4.8	102	0.00
69	Atrazine	40.000	38.790	3.0	103	-0.01
70 C	Pentachlorophenol	40.000	38.776	3.1	101	0.00
71	Phenanthrene	40.000	39.424	1.4	106	0.00
72	Anthracene	40.000	39.697	0.8	105	0.00
73	Carbazole	40.000	40.154	-0.4	107	0.00
74	Di-n-butylphthalate	40.000	39.016	2.5	104	0.00
75 C	Fluoranthene	40.000	38.949	2.6	106	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	105	-0.02
77	Benzidine	40.000	42.933	-7.3	80	0.00
78	Pyrene	40.000	39.180	2.1	105	0.00
79 S	Terphenyl-d14	80.000	76.218	4.7	105	0.00
80	Butylbenzylphthalate	40.000	38.948	2.6	104	-0.01
81	Benzo(a)anthracene	40.000	38.883	2.8	106	-0.02
82	3,3'-Dichlorobenzidine	40.000	39.214	2.0	105	0.00
83	Chrysene	40.000	39.030	2.4	107	-0.01
84	Bis(2-ethylhexyl)phthalate	40.000	36.870	7.8	101	-0.03
85 c	Di-n-octyl phthalate	40.000	37.221	6.9	101	-0.04
86 I	Perylene-d12	20.000	20.000	0.0	105	-0.03
87	Indeno(1,2,3-cd)pyrene	40.000	39.583	1.0	108	-0.02
88	Benzo(b)fluoranthene	40.000	38.787	3.0	106	-0.02
89	Benzo(k)fluoranthene	40.000	39.543	1.1	108	-0.03
90 C	Benzo(a)pyrene	40.000	39.726	0.7	108	-0.01
91	Dibenzo(a,h)anthracene	40.000	40.154	-0.4	109	-0.04
92	Benzo(g,h,i)perylene	40.000	39.848	0.4	108	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
Data File : BP025561.D
Acq On : 25 Aug 2025 12:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 25 12:43:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 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



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>PORT06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2934</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/26/2025 10:21</u>
Lab File ID:	<u>BP025579.D</u>	Init. Calib. Date(s):	<u>08/14/2025 08/14/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:33 17:24</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.238		2.8	
Benzaldehyde	1.082	1.311		21.2	
Phenol-d6	1.544	1.536		-0.5	
Phenol	1.620	1.579		-2.5	20.0
bis(2-Chloroethyl)ether	1.263	1.232		-2.5	
2-Chlorophenol	1.359	1.354		-0.4	
2-Methylphenol	1.125	1.095		-2.7	
2,2-oxybis(1-Chloropropane)	1.692	1.682		-0.6	
Acetophenone	0.502	0.498		-0.8	
3+4-Methylphenols	1.560	1.460		-6.4	
n-Nitroso-di-n-propylamine	1.023	0.944	0.050	-7.7	
Nitrobenzene-d5	0.395	0.403		2.0	
Hexachloroethane	0.563	0.567		0.7	
Nitrobenzene	0.353	0.356		0.9	
Isophorone	0.700	0.679		-3.0	
2-Nitrophenol	0.181	0.189		4.4	20.0
2,4-Dimethylphenol	0.312	0.308		-1.3	
bis(2-Chloroethoxy)methane	0.423	0.409		-3.3	
2,4-Dichlorophenol	0.310	0.308		-0.6	20.0
Naphthalene	1.040	1.016		-2.3	
4-Chloroaniline	0.459	0.440		-4.1	
Hexachlorobutadiene	0.211	0.212		0.5	20.0
Caprolactam	0.114	0.106		-7.0	
4-Chloro-3-methylphenol	0.355	0.344		-3.1	20.0
2-Methylnaphthalene	0.676	0.650		-3.8	
Hexachlorocyclopentadiene	0.349	0.378	0.050	8.3	
2,4,6-Trichlorophenol	0.390	0.414		6.2	20.0
2-Fluorobiphenyl	1.463	1.454		-0.6	
2,4,5-Trichlorophenol	0.427	0.455		6.6	
1,1-Biphenyl	1.453	1.465		0.8	
2-Chloronaphthalene	1.131	1.145		1.2	
2-Nitroaniline	0.329	0.352		7.0	
Dimethylphthalate	1.465	1.457		-0.5	
Acenaphthylene	1.871	1.885		0.7	
2,6-Dinitrotoluene	0.309	0.317		2.6	
3-Nitroaniline	0.347	0.352		1.4	
Acenaphthene	1.098	1.071		-2.5	20.0
2,4-Dinitrophenol	0.165	0.206	0.050	24.8	
4-Nitrophenol	0.285	0.275	0.050	-3.5	



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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: PORT06
 Lab Code: ACE SDG No.: Q2934
 Instrument ID: BNA_P Calibration Date/Time: 08/26/2025 10:21
 Lab File ID: BP025579.D Init. Calib. Date(s): 08/14/2025 08/14/2025
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.708		-1.6	
2,4-Dinitrotoluene	0.440	0.449		2.0	
Diethylphthalate	1.488	1.476		-0.8	
4-Chlorophenyl-phenylether	0.681	0.673		-1.2	
Fluorene	1.370	1.330		-2.9	
4-Nitroaniline	0.356	0.360		1.1	
4,6-Dinitro-2-methylphenol	0.125	0.142		13.6	
n-Nitrosodiphenylamine	0.610	0.600		-1.6	20.0
2,4,6-Tribromophenol	0.269	0.279		3.7	
4-Bromophenyl-phenylether	0.220	0.223		1.4	
Hexachlorobenzene	0.255	0.259		1.6	
Atrazine	0.228	0.224		-1.8	
Pentachlorophenol	0.161	0.160		-0.6	20.0
Phenanthrene	1.099	1.075		-2.2	
Anthracene	1.122	1.109		-1.2	
Carbazole	1.057	1.018		-3.7	
Di-n-butylphthalate	1.300	1.288		-0.9	
Fluoranthene	1.311	1.234		-5.9	20.0
Pyrene	1.300	1.297		-0.2	
Terphenyl-d14	1.093	1.098		0.5	
Butylbenzylphthalate	0.589	0.609		3.4	
3,3-Dichlorobenzidine	0.497	0.499		0.4	
Benzo (a) anthracene	1.319	1.294		-1.9	
Chrysene	1.235	1.223		-1.0	
Bis(2-ethylhexyl)phthalate	0.867	0.871		0.5	
Di-n-octyl phthalate	1.492	1.545		3.6	20.0
Benzo (b) fluoranthene	1.179	1.158		-1.8	
Benzo (k) fluoranthene	1.180	1.141		-3.3	
Benzo (a) pyrene	1.148	1.118		-2.6	20.0
Indeno (1,2,3-cd) pyrene	1.467	1.442		-1.7	
Dibenzo (a,h) anthracene	1.199	1.179		-1.7	
Benzo (g,h,i) perylene	1.178	1.147		-2.6	
1,2,4,5-Tetrachlorobenzene	0.578	0.600		3.8	
1,4-Dioxane	0.472	0.478		1.3	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.382		1.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082625\
 Data File : BP025579.D
 Acq On : 26 Aug 2025 10:21
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

Quant Time: Aug 26 11:32:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	235051	20.000	ng	-0.02
21) Naphthalene-d8	10.549	136	932609	20.000	ng	-0.01
39) Acenaphthene-d10	14.390	164	572065	20.000	ng	-0.02
64) Phenanthrene-d10	17.195	188	1130975	20.000	ng	0.00
76) Chrysene-d12	21.636	240	1110364	20.000	ng	-0.01
86) Perylene-d12	24.995	264	1292923	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	1163809	82.226	ng	0.00
7) Phenol-d6	6.972	99	1443988	79.575	ng	0.00
23) Nitrobenzene-d5	8.925	82	1502043	81.472	ng	-0.01
42) 2,4,6-Tribromophenol	15.913	330	639528	83.055	ng	0.00
45) 2-Fluorobiphenyl	13.001	172	3325998	79.459	ng	-0.02
79) Terphenyl-d14	19.919	244	4877631	80.370	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.337	88	224845	40.557	ng	98
3) Pyridine	3.731	79	602438	39.701	ng	97
4) n-Nitrosodimethylamine	3.637	42	257855	41.218	ng	99
6) Aniline	7.119	93	944949	38.650	ng	99
8) 2-Chlorophenol	7.361	128	636701	39.864	ng	98
9) Benzaldehyde	6.931	77	616270	48.474	ng	96
10) Phenol	7.002	94	742076	38.972	ng	98
11) bis(2-Chloroethyl)ether	7.208	93	578952	39.010	ng	96
12) 1,3-Dichlorobenzene	7.672	146	703964	39.972	ng	98
13) 1,4-Dichlorobenzene	7.814	146	707832	39.322	ng	99
14) 1,2-Dichlorobenzene	8.131	146	676716	38.836	ng	99
15) Benzyl Alcohol	8.019	79	549664	38.122	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.290	45	790859	39.779	ng	97
17) 2-Methylphenol	8.225	107	514974	38.941	ng	99
18) Hexachloroethane	8.849	117	266626	40.285	ng	97
19) n-Nitroso-di-n-propyla...	8.578	70	443913	36.932	ng	99
20) 3+4-Methylphenols	8.549	107	686414	37.445	ng	97
22) Acetophenone	8.590	105	929055	39.724	ng	98
24) Nitrobenzene	8.966	77	663698	40.281	ng	98
25) Isophorone	9.490	82	1265792	38.795	ng	100
26) 2-Nitrophenol	9.666	139	352539	41.691	ng	98
27) 2,4-Dimethylphenol	9.737	122	573582	39.443	ng	99
28) bis(2-Chloroethoxy)met...	9.960	93	763692	38.722	ng	98
29) 2,4-Dichlorophenol	10.213	162	573818	39.723	ng	99
30) 1,2,4-Trichlorobenzene	10.413	180	628899	39.714	ng	98
31) Naphthalene	10.602	128	1894368	39.081	ng	99
32) Benzoic acid	9.896	122	434436	40.466	ng	99
33) 4-Chloroaniline	10.702	127	820796	38.334	ng	99
34) Hexachlorobutadiene	10.884	225	394850	40.037	ng	98
35) Caprolactam	11.502	113	197954	37.371	ng	99
36) 4-Chloro-3-methylphenol	11.843	107	641625	38.708	ng	99
37) 2-Methylnaphthalene	12.207	142	1212709	38.444	ng	99
38) 1-Methylnaphthalene	12.419	142	1260933	37.588	ng	100
40) 1,2,4,5-Tetrachloroben...	12.572	216	686446	41.548	ng	100
41) Hexachlorocyclopentadiene	12.554	237	432234	43.311	ng	99
43) 2,4,6-Trichlorophenol	12.819	196	474193	42.513	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082625\
 Data File : BP025579.D
 Acq On : 26 Aug 2025 10:21
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

Quant Time: Aug 26 11:32:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.907	196	520069	42.543	ng	96
46) 1,1'-Biphenyl	13.219	154	1676486	40.352	ng	98
47) 2-Chloronaphthalene	13.260	162	1310530	40.519	ng	99
48) 2-Nitroaniline	13.460	65	402633	42.723	ng	99
49) Acenaphthylene	14.107	152	2156400	40.292	ng	99
50) Dimethylphthalate	13.843	163	1666999	39.793	ng	99
51) 2,6-Dinitrotoluene	13.966	165	362713	41.079	ng	98
52) Acenaphthene	14.454	154	1225216	39.001	ng	100
53) 3-Nitroaniline	14.301	138	403295	40.597	ng	97
54) 2,4-Dinitrophenol	14.507	184	235700	49.987	ng	99
55) Dibenzofuran	14.801	168	1954402	39.350	ng	98
56) 4-Nitrophenol	14.643	139	314549	38.533	ng	97
57) 2,4-Dinitrotoluene	14.760	165	514206	40.818	ng	99
58) Fluorene	15.460	166	1521365	38.819	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.037	232	437267	40.510	ng	99
60) Diethylphthalate	15.231	149	1688239	39.661	ng	99
61) 4-Chlorophenyl-phenyle...	15.454	204	769934	39.502	ng	99
62) 4-Nitroaniline	15.478	138	412280	40.483	ng	99
63) Azobenzene	15.754	77	1465800	40.216	ng	99
65) 4,6-Dinitro-2-methylph...	15.537	198	320151	45.412	ng	95
66) n-Nitrosodiphenylamine	15.678	169	1358091	39.379	ng	99
67) 4-Bromophenyl-phenylether	16.372	248	504211	40.536	ng	97
68) Hexachlorobenzene	16.495	284	584868	40.563	ng	95
69) Atrazine	16.654	200	507511	39.294	ng	98
70) Pentachlorophenol	16.848	266	362130	39.786	ng	97
71) Phenanthrene	17.237	178	2432486	39.153	ng	99
72) Anthracene	17.337	178	2509132	39.548	ng	100
73) Carbazole	17.613	167	2303052	38.538	ng	99
74) Di-n-butylphthalate	18.201	149	2913457	39.626	ng	99
75) Fluoranthene	19.319	202	2791668	37.670	ng	99
77) Benzidine	19.519	184	1444118	38.109	ng	100
78) Pyrene	19.695	202	2881100	39.921	ng	99
80) Butylbenzylphthalate	20.642	149	1352603	41.353	ng	99
81) Benzo(a)anthracene	21.613	228	2873936	39.246	ng	99
82) 3,3'-Dichlorobenzidine	21.536	252	1108523	40.161	ng	98
83) Chrysene	21.683	228	2716264	39.608	ng	99
84) Bis(2-ethylhexyl)phtha...	21.554	149	1934845	40.185	ng	99
85) Di-n-octyl phthalate	22.842	149	3430668	41.424	ng	99
87) Indeno(1,2,3-cd)pyrene	28.836	276	3727641	39.314	ng	94
88) Benzo(b)fluoranthene	23.936	252	2993424	39.263	ng	99
89) Benzo(k)fluoranthene	24.013	252	2949181	38.657	ng	99
90) Benzo(a)pyrene	24.836	252	2890050	38.942	ng	99
91) Dibenzo(a,h)anthracene	28.901	278	3048612	39.344	ng	99
92) Benzo(g,h,i)perylene	30.036	276	2965349	38.932	ng	98

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

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

[illegible]

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082625\
 Data File : BP025579.D
 Acq On : 26 Aug 2025 10:21
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 26 11:32:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 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	149	-0.02
2	1,4-Dioxane	0.472	0.478	-1.3	160#	0.00
3	Pyridine	1.291	1.282	0.7	157#	0.00
4	n-Nitrosodimethylamine	0.532	0.549	-3.2	160#	0.00
5 S	2-Fluorophenol	1.204	1.238	-2.8	159#	0.00
6	Aniline	2.080	2.010	3.4	148	0.00
7 S	Phenol-d6	1.544	1.536	0.5	151#	0.00
8	2-Chlorophenol	1.359	1.354	0.4	154#	0.00
9	Benzaldehyde	1.082	1.311	-21.2	143	-0.01
10 C	Phenol	1.620	1.579	2.5	149	0.00
11	bis(2-Chloroethyl)ether	1.263	1.232	2.5	150#	-0.01
12	1,3-Dichlorobenzene	1.499	1.497	0.1	155#	-0.01
13 C	1,4-Dichlorobenzene	1.532	1.506	1.7	153#	-0.02
14	1,2-Dichlorobenzene	1.483	1.440	2.9	150	-0.01
15	Benzyl Alcohol	1.227	1.169	4.7	146	0.00
16	2,2'-oxybis(1-Chloropropane	1.692	1.682	0.6	155#	-0.02
17	2-Methylphenol	1.125	1.095	2.7	147	0.00
18	Hexachloroethane	0.563	0.567	-0.7	155#	-0.02
19 P	n-Nitroso-di-n-propylamine	1.023	0.944	7.7	142	-0.01
20	3+4-Methylphenols	1.560	1.460	6.4	143	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	141	-0.01
22	Acetophenone	0.502	0.498	0.8	144	-0.01
23 S	Nitrobenzene-d5	0.395	0.403	-2.0	148	-0.01
24	Nitrobenzene	0.353	0.356	-0.8	145	0.00
25	Isophorone	0.700	0.679	3.0	142	-0.01
26 C	2-Nitrophenol	0.181	0.189	-4.4	147	-0.01
27	2,4-Dimethylphenol	0.312	0.308	1.3	140	0.00
28	bis(2-Chloroethoxy)methane	0.423	0.409	3.3	141	-0.01
29 C	2,4-Dichlorophenol	0.310	0.308	0.6	142	0.00
30	1,2,4-Trichlorobenzene	0.340	0.337	0.9	145	-0.01
31	Naphthalene	1.040	1.016	2.3	143	-0.01
32	Benzoic acid	0.230	0.233	-1.3	144	0.02
33	4-Chloroaniline	0.459	0.440	4.1	137	-0.01
34 C	Hexachlorobutadiene	0.211	0.212	-0.5	145	-0.02
35	Caprolactam	0.114	0.106	7.0	136	0.00
36 C	4-Chloro-3-methylphenol	0.355	0.344	3.1	140	0.00
37	2-Methylnaphthalene	0.676	0.650	3.8	140	-0.01
38	1-Methylnaphthalene	0.719	0.676	6.0	139	-0.02
39 I	Acenaphthene-d10	1.000	1.000	0.0	130	-0.02
40	1,2,4,5-Tetrachlorobenzene	0.578	0.600	-3.8	139	-0.02
41 P	Hexachlorocyclopentadiene	0.349	0.378	-8.3	141	-0.02
42 S	2,4,6-Tribromophenol	0.269	0.279	-3.7	138	0.00
43 C	2,4,6-Trichlorophenol	0.390	0.414	-6.2	141	0.00
44	2,4,5-Trichlorophenol	0.427	0.455	-6.6	139	0.01
45 S	2-Fluorobiphenyl	1.463	1.454	0.6	135	-0.02
46	1,1'-Biphenyl	1.453	1.465	-0.8	135	-0.01
47	2-Chloronaphthalene	1.131	1.145	-1.2	135	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082625\
 Data File : BP025579.D
 Acq On : 26 Aug 2025 10:21
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 26 11:32:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 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	0.329	0.352	-7.0	138	-0.01
49	Acenaphthylene	1.871	1.885	-0.7	135	-0.02
50	Dimethylphthalate	1.465	1.457	0.5	135	-0.02
51	2,6-Dinitrotoluene	0.309	0.317	-2.6	133	0.00
52 C	Acenaphthene	1.098	1.071	2.5	133	-0.01
53	3-Nitroaniline	0.347	0.352	-1.4	134	0.00
54 P	2,4-Dinitrophenol	0.165	0.206	-24.8	164#	0.00
55	Dibenzofuran	1.736	1.708	1.6	132	0.00
56 P	4-Nitrophenol	0.285	0.275	3.5	128	0.03
57	2,4-Dinitrotoluene	0.440	0.449	-2.0	133	0.00
58	Fluorene	1.370	1.330	2.9	132	0.00
59	2,3,4,6-Tetrachlorophenol	0.377	0.382	-1.3	135	0.00
60	Diethylphthalate	1.488	1.476	0.8	133	0.00
61	4-Chlorophenyl-phenylether	0.681	0.673	1.2	134	0.00
62	4-Nitroaniline	0.356	0.360	-1.1	133	0.00
63	Azobenzene	1.274	1.281	-0.5	134	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	128	0.00
65	4,6-Dinitro-2-methylphenol	0.125	0.142	-13.6	147	0.00
66 c	n-Nitrosodiphenylamine	0.610	0.600	1.6	130	0.00
67	4-Bromophenyl-phenylether	0.220	0.223	-1.4	134	0.00
68	Hexachlorobenzene	0.255	0.259	-1.6	137	0.00
69	Atrazine	0.228	0.224	1.8	131	0.00
70 C	Pentachlorophenol	0.161	0.160	0.6	130	0.00
71	Phenanthrene	1.099	1.075	2.2	132	0.00
72	Anthracene	1.122	1.109	1.2	131	0.00
73	Carbazole	1.057	1.018	3.7	129	0.00
74	Di-n-butylphthalate	1.300	1.288	0.9	132	0.00
75 C	Fluoranthene	1.311	1.234	5.9	128	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	123	-0.01
77	Benzydine	0.683	0.650	4.8	83	0.00
78	Pyrene	1.300	1.297	0.2	126	0.00
79 S	Terphenyl-d14	1.093	1.098	-0.5	130	0.00
80	Butylbenzylphthalate	0.589	0.609	-3.4	130	0.00
81	Benzo(a)anthracene	1.319	1.294	1.9	126	-0.02
82	3,3'-Dichlorobenzidine	0.497	0.499	-0.4	126	0.00
83	Chrysene	1.235	1.223	1.0	128	-0.01
84	Bis(2-ethylhexyl)phthalate	0.867	0.871	-0.5	130	-0.03
85 c	Di-n-octyl phthalate	1.492	1.545	-3.6	132	-0.03
86 I	Perylene-d12	1.000	1.000	0.0	126	-0.04
87	Indeno(1,2,3-cd)pyrene	1.467	1.442	1.7	129	-0.03
88	Benzo(b)fluoranthene	1.179	1.158	1.8	129	-0.02
89	Benzo(k)fluoranthene	1.180	1.141	3.3	128	-0.02
90 C	Benzo(a)pyrene	1.148	1.118	2.6	128	-0.02
91	Dibenzo(a,h)anthracene	1.199	1.179	1.7	129	-0.05
92	Benzo(g,h,i)perylene	1.178	1.147	2.6	127	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082625\
Data File : BP025579.D
Acq On : 26 Aug 2025 10:21
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 26 11:32:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082625\
 Data File : BP025579.D
 Acq On : 26 Aug 2025 10:21
 Operator : CG/JU
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 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	149	-0.02
2	1,4-Dioxane	40.000	40.557	-1.4	160	0.00
3	Pyridine	40.000	39.701	0.7	157	0.00
4	n-Nitrosodimethylamine	40.000	41.218	-3.0	160	0.00
5 S	2-Fluorophenol	80.000	82.226	-2.8	159	0.00
6	Aniline	40.000	38.650	3.4	148	0.00
7 S	Phenol-d6	80.000	79.575	0.5	151	0.00
8	2-Chlorophenol	40.000	39.864	0.3	154	0.00
9	Benzaldehyde	40.000	48.474	-21.2	143	-0.01
10 C	Phenol	40.000	38.972	2.6	149	0.00
11	bis(2-Chloroethyl)ether	40.000	39.010	2.5	150	-0.01
12	1,3-Dichlorobenzene	40.000	39.972	0.1	155	-0.01
13 C	1,4-Dichlorobenzene	40.000	39.322	1.7	153	-0.02
14	1,2-Dichlorobenzene	40.000	38.836	2.9	150	-0.01
15	Benzyl Alcohol	40.000	38.122	4.7	146	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	39.779	0.6	155	-0.02
17	2-Methylphenol	40.000	38.941	2.6	147	0.00
18	Hexachloroethane	40.000	40.285	-0.7	155	-0.02
19 P	n-Nitroso-di-n-propylamine	40.000	36.932	7.7	142	-0.01
20	3+4-Methylphenols	40.000	37.445	6.4	143	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	141	-0.01
22	Acetophenone	40.000	39.724	0.7	144	-0.01
23 S	Nitrobenzene-d5	80.000	81.472	-1.8	148	-0.01
24	Nitrobenzene	40.000	40.281	-0.7	145	0.00
25	Isophorone	40.000	38.795	3.0	142	-0.01
26 C	2-Nitrophenol	40.000	41.691	-4.2	147	-0.01
27	2,4-Dimethylphenol	40.000	39.443	1.4	140	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.722	3.2	141	-0.01
29 C	2,4-Dichlorophenol	40.000	39.723	0.7	142	0.00
30	1,2,4-Trichlorobenzene	40.000	39.714	0.7	145	-0.01
31	Naphthalene	40.000	39.081	2.3	143	-0.01
32	Benzoic acid	40.000	40.466	-1.2	144	0.02
33	4-Chloroaniline	40.000	38.334	4.2	137	-0.01
34 C	Hexachlorobutadiene	40.000	40.037	-0.1	145	-0.02
35	Caprolactam	40.000	37.371	6.6	136	0.00
36 C	4-Chloro-3-methylphenol	40.000	38.708	3.2	140	0.00
37	2-Methylnaphthalene	40.000	38.444	3.9	140	-0.01
38	1-Methylnaphthalene	40.000	37.588	6.0	139	-0.02
39 I	Acenaphthene-d10	20.000	20.000	0.0	130	-0.02
40	1,2,4,5-Tetrachlorobenzene	40.000	41.548	-3.9	139	-0.02
41 P	Hexachlorocyclopentadiene	40.000	43.311	-8.3	141	-0.02
42 S	2,4,6-Tribromophenol	80.000	83.055	-3.8	138	0.00
43 C	2,4,6-Trichlorophenol	40.000	42.513	-6.3	141	0.00
44	2,4,5-Trichlorophenol	40.000	42.543	-6.4	139	0.01
45 S	2-Fluorobiphenyl	80.000	79.459	0.7	135	-0.02
46	1,1'-Biphenyl	40.000	40.352	-0.9	135	-0.01
47	2-Chloronaphthalene	40.000	40.519	-1.3	135	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082625\
 Data File : BP025579.D
 Acq On : 26 Aug 2025 10:21
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 26 11:32:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 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	42.723	-6.8	138	-0.01
49	Acenaphthylene	40.000	40.292	-0.7	135	-0.02
50	Dimethylphthalate	40.000	39.793	0.5	135	-0.02
51	2,6-Dinitrotoluene	40.000	41.079	-2.7	133	0.00
52 C	Acenaphthene	40.000	39.001	2.5	133	-0.01
53	3-Nitroaniline	40.000	40.597	-1.5	134	0.00
54 P	2,4-Dinitrophenol	40.000	49.987	-25.0	164	0.00
55	Dibenzofuran	40.000	39.350	1.6	132	0.00
56 P	4-Nitrophenol	40.000	38.533	3.7	128	0.03
57	2,4-Dinitrotoluene	40.000	40.818	-2.0	133	0.00
58	Fluorene	40.000	38.819	3.0	132	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	40.510	-1.3	135	0.00
60	Diethylphthalate	40.000	39.661	0.8	133	0.00
61	4-Chlorophenyl-phenylether	40.000	39.502	1.2	134	0.00
62	4-Nitroaniline	40.000	40.483	-1.2	133	0.00
63	Azobenzene	40.000	40.216	-0.5	134	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	128	0.00
65	4,6-Dinitro-2-methylphenol	40.000	45.412	-13.5	147	0.00
66 c	n-Nitrosodiphenylamine	40.000	39.379	1.6	130	0.00
67	4-Bromophenyl-phenylether	40.000	40.536	-1.3	134	0.00
68	Hexachlorobenzene	40.000	40.563	-1.4	137	0.00
69	Atrazine	40.000	39.294	1.8	131	0.00
70 C	Pentachlorophenol	40.000	39.786	0.5	130	0.00
71	Phenanthrene	40.000	39.153	2.1	132	0.00
72	Anthracene	40.000	39.548	1.1	131	0.00
73	Carbazole	40.000	38.538	3.7	129	0.00
74	Di-n-butylphthalate	40.000	39.626	0.9	132	0.00
75 C	Fluoranthene	40.000	37.670	5.8	128	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	123	-0.01
77	Benzydine	40.000	38.109	4.7	83	0.00
78	Pyrene	40.000	39.921	0.2	126	0.00
79 S	Terphenyl-d14	80.000	80.370	-0.5	130	0.00
80	Butylbenzylphthalate	40.000	41.353	-3.4	130	0.00
81	Benzo(a)anthracene	40.000	39.246	1.9	126	-0.02
82	3,3'-Dichlorobenzidine	40.000	40.161	-0.4	126	0.00
83	Chrysene	40.000	39.608	1.0	128	-0.01
84	Bis(2-ethylhexyl)phthalate	40.000	40.185	-0.5	130	-0.03
85 c	Di-n-octyl phthalate	40.000	41.424	-3.6	132	-0.03
86 I	Perylene-d12	20.000	20.000	0.0	126	-0.04
87	Indeno(1,2,3-cd)pyrene	40.000	39.314	1.7	129	-0.03
88	Benzo(b)fluoranthene	40.000	39.263	1.8	129	-0.02
89	Benzo(k)fluoranthene	40.000	38.657	3.4	128	-0.02
90 C	Benzo(a)pyrene	40.000	38.942	2.6	128	-0.02
91	Dibenzo(a,h)anthracene	40.000	39.344	1.6	129	-0.05
92	Benzo(g,h,i)perylene	40.000	38.932	2.7	127	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082625\
Data File : BP025579.D
Acq On : 26 Aug 2025 10:21
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 26 11:32:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 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



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>PORT06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2934</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/27/2025 09:39</u>
Lab File ID:	<u>BP025596.D</u>	Init. Calib. Date(s):	<u>08/14/2025 08/14/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:33 17:24</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.204		0.0	
Benzaldehyde	1.082	1.320		22.0	
Phenol-d6	1.544	1.563		1.2	
Phenol	1.620	1.636		1.0	20.0
bis(2-Chloroethyl)ether	1.263	1.242		-1.7	
2-Chlorophenol	1.359	1.356		-0.2	
2-Methylphenol	1.125	1.127		0.2	
2,2-oxybis(1-Chloropropane)	1.692	1.723		1.8	
Acetophenone	0.502	0.496		-1.2	
3+4-Methylphenols	1.560	1.513		-3.0	
n-Nitroso-di-n-propylamine	1.023	1.032	0.050	0.9	
Nitrobenzene-d5	0.395	0.395		0.0	
Hexachloroethane	0.563	0.563		0.0	
Nitrobenzene	0.353	0.352		-0.3	
Isophorone	0.700	0.708		1.1	
2-Nitrophenol	0.181	0.187		3.3	20.0
2,4-Dimethylphenol	0.312	0.310		-0.6	
bis(2-Chloroethoxy)methane	0.423	0.417		-1.4	
2,4-Dichlorophenol	0.310	0.310		0.0	20.0
Naphthalene	1.040	1.018		-2.1	
4-Chloroaniline	0.459	0.458		-0.2	
Hexachlorobutadiene	0.211	0.206		-2.4	20.0
Caprolactam	0.114	0.121		6.1	
4-Chloro-3-methylphenol	0.355	0.363		2.3	20.0
2-Methylnaphthalene	0.676	0.657		-2.8	
Hexachlorocyclopentadiene	0.349	0.280	0.050	-19.8	
2,4,6-Trichlorophenol	0.390	0.385		-1.3	20.0
2-Fluorobiphenyl	1.463	1.415		-3.3	
2,4,5-Trichlorophenol	0.427	0.424		-0.7	
1,1-Biphenyl	1.453	1.400		-3.6	
2-Chloronaphthalene	1.131	1.094		-3.3	
2-Nitroaniline	0.329	0.360		9.4	
Dimethylphthalate	1.465	1.499		2.3	
Acenaphthylene	1.871	1.827		-2.4	
2,6-Dinitrotoluene	0.309	0.331		7.1	
3-Nitroaniline	0.347	0.364		4.9	
Acenaphthene	1.098	1.046		-4.7	20.0
2,4-Dinitrophenol	0.165	0.204	0.050	23.6	
4-Nitrophenol	0.285	0.275	0.050	-3.5	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: PORT06
 Lab Code: ACE SDG No.: Q2934
 Instrument ID: BNA_P Calibration Date/Time: 08/27/2025 09:39
 Lab File ID: BP025596.D Init. Calib. Date(s): 08/14/2025 08/14/2025
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.718		-1.0	
2,4-Dinitrotoluene	0.440	0.481		9.3	
Diethylphthalate	1.488	1.550		4.2	
4-Chlorophenyl-phenylether	0.681	0.690		1.3	
Fluorene	1.370	1.386		1.2	
4-Nitroaniline	0.356	0.391		9.8	
4,6-Dinitro-2-methylphenol	0.125	0.142		13.6	
n-Nitrosodiphenylamine	0.610	0.593		-2.8	20.0
2,4,6-Tribromophenol	0.269	0.296		10.0	
4-Bromophenyl-phenylether	0.220	0.217		-1.4	
Hexachlorobenzene	0.255	0.256		0.4	
Atrazine	0.228	0.234		2.6	
Pentachlorophenol	0.161	0.155		-3.7	20.0
Phenanthrene	1.099	1.066		-3.0	
Anthracene	1.122	1.113		-0.8	
Carbazole	1.057	1.047		-0.9	
Di-n-butylphthalate	1.300	1.367		5.2	
Fluoranthene	1.311	1.324		1.0	20.0
Pyrene	1.300	1.296		-0.3	
Terphenyl-d14	1.093	1.122		2.7	
Butylbenzylphthalate	0.589	0.630		7.0	
3,3-Dichlorobenzidine	0.497	0.494		-0.6	
Benzo (a) anthracene	1.319	1.299		-1.5	
Chrysene	1.235	1.231		-0.3	
Bis(2-ethylhexyl)phthalate	0.867	0.884		2.0	
Di-n-octyl phthalate	1.492	1.545		3.6	20.0
Benzo (b) fluoranthene	1.179	1.165		-1.2	
Benzo (k) fluoranthene	1.180	1.169		-0.9	
Benzo (a) pyrene	1.148	1.139		-0.8	20.0
Indeno (1,2,3-cd) pyrene	1.467	1.427		-2.7	
Dibenzo (a,h) anthracene	1.199	1.176		-1.9	
Benzo (g,h,i) perylene	1.178	1.148		-2.5	
1,2,4,5-Tetrachlorobenzene	0.578	0.565		-2.2	
1,4-Dioxane	0.472	0.463		-1.9	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.394		4.5	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082725\
 Data File : BP025596.D
 Acq On : 27 Aug 2025 09:39
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

Quant Time: Aug 27 10:55:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	161611	20.000	ng	-0.02
21) Naphthalene-d8	10.543	136	681785	20.000	ng	-0.02
39) Acenaphthene-d10	14.396	164	463868	20.000	ng	-0.01
64) Phenanthrene-d10	17.207	188	978179	20.000	ng	0.00
76) Chrysene-d12	21.642	240	1036724	20.000	ng	0.00
86) Perylene-d12	25.001	264	1177638	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	778278	79.975	ng	0.00
7) Phenol-d6	6.967	99	1010169	80.965	ng	0.00
23) Nitrobenzene-d5	8.919	82	1076213	79.850	ng	-0.02
42) 2,4,6-Tribromophenol	15.913	330	549909	88.074	ng	0.00
45) 2-Fluorobiphenyl	13.007	172	2624819	77.334	ng	-0.01
79) Terphenyl-d14	19.919	244	4654437	82.140	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.320	88	149495	39.219	ng	99
3) Pyridine	3.720	79	409189	39.220	ng	95
4) n-Nitrosodimethylamine	3.626	42	182771	42.492	ng	98
6) Aniline	7.114	93	676634	40.251	ng	97
8) 2-Chlorophenol	7.349	128	438161	39.900	ng	98
9) Benzaldehyde	6.931	77	426718	48.816	ng	97
10) Phenol	6.990	94	528849	40.395	ng	99
11) bis(2-Chloroethyl)ether	7.202	93	401542	39.351	ng	98
12) 1,3-Dichlorobenzene	7.666	146	477862	39.463	ng	99
13) 1,4-Dichlorobenzene	7.814	146	488238	39.448	ng	99
14) 1,2-Dichlorobenzene	8.125	146	472173	39.411	ng	99
15) Benzyl Alcohol	8.014	79	399160	40.264	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.296	45	556824	40.735	ng	100
17) 2-Methylphenol	8.219	107	364205	40.055	ng	99
18) Hexachloroethane	8.843	117	181852	39.962	ng	96
19) n-Nitroso-di-n-propyla...	8.572	70	333477	40.352	ng	99
20) 3+4-Methylphenols	8.543	107	488967	38.796	ng	100
22) Acetophenone	8.584	105	676704	39.578	ng	98
24) Nitrobenzene	8.961	77	479758	39.829	ng	98
25) Isophorone	9.484	82	965178	40.465	ng	98
26) 2-Nitrophenol	9.666	139	254434	41.159	ng	99
27) 2,4-Dimethylphenol	9.725	122	422400	39.733	ng	99
28) bis(2-Chloroethoxy)met...	9.955	93	568496	39.429	ng	100
29) 2,4-Dichlorophenol	10.208	162	422695	40.026	ng	99
30) 1,2,4-Trichlorobenzene	10.408	180	452737	39.108	ng	96
31) Naphthalene	10.590	128	1388192	39.174	ng	99
32) Benzoic acid	9.878	122	310275	39.533	ng	99
33) 4-Chloroaniline	10.702	127	625135	39.937	ng	98
34) Hexachlorobutadiene	10.878	225	280228	38.868	ng	98
35) Caprolactam	11.496	113	164315	42.433	ng	99
36) 4-Chloro-3-methylphenol	11.837	107	494469	40.805	ng	97
37) 2-Methylnaphthalene	12.202	142	895986	38.853	ng	99
38) 1-Methylnaphthalene	12.425	142	942809	38.444	ng	100
40) 1,2,4,5-Tetrachloroben...	12.572	216	524176	39.126	ng	99
41) Hexachlorocyclopentadiene	12.549	237	260051	32.135	ng	97
43) 2,4,6-Trichlorophenol	12.819	196	357566	39.534	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082725\
 Data File : BP025596.D
 Acq On : 27 Aug 2025 09:39
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

Quant Time: Aug 27 10:55:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.902	196	392969	39.644	ng	98
46) 1,1'-Biphenyl	13.213	154	1299218	38.565	ng	99
47) 2-Chloronaphthalene	13.254	162	1015269	38.712	ng	99
48) 2-Nitroaniline	13.466	65	333661	43.663	ng	98
49) Acenaphthylene	14.119	152	1694793	39.053	ng	99
50) Dimethylphthalate	13.849	163	1390228	40.927	ng	99
51) 2,6-Dinitrotoluene	13.960	165	307211	42.909	ng	98
52) Acenaphthene	14.466	154	970444	38.097	ng	100
53) 3-Nitroaniline	14.296	138	338029	41.964	ng	94
54) 2,4-Dinitrophenol	14.519	184	189053	49.446	ng	98
55) Dibenzofuran	14.807	168	1594000	39.579	ng	99
56) 4-Nitrophenol	14.643	139	254738	38.484	ng	96
57) 2,4-Dinitrotoluene	14.772	165	446620	43.722	ng	99
58) Fluorene	15.466	166	1285799	40.461	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.037	232	365135	41.718	ng	100
60) Diethylphthalate	15.237	149	1438280	41.670	ng	99
61) 4-Chlorophenyl-phenyle...	15.454	204	640441	40.522	ng	98
62) 4-Nitroaniline	15.484	138	362298	43.872	ng	98
63) Azobenzene	15.754	77	1264906	42.799	ng	99
65) 4,6-Dinitro-2-methylph...	15.548	198	277206	45.462	ng	93
66) n-Nitrosodiphenylamine	15.672	169	1160960	38.921	ng	99
67) 4-Bromophenyl-phenylether	16.366	248	425056	39.510	ng	98
68) Hexachlorobenzene	16.495	284	501785	40.236	ng	96
69) Atrazine	16.648	200	458294	41.026	ng	99
70) Pentachlorophenol	16.854	266	303401	38.540	ng	98
71) Phenanthrene	17.248	178	2085730	38.815	ng	99
72) Anthracene	17.337	178	2177823	39.688	ng	100
73) Carbazole	17.625	167	2047731	39.618	ng	99
74) Di-n-butylphthalate	18.213	149	2675162	42.068	ng	99
75) Fluoranthene	19.336	202	2590880	40.422	ng	99
77) Benzidine	19.519	184	1317371	37.234	ng	99
78) Pyrene	19.713	202	2686396	39.867	ng	99
80) Butylbenzylphthalate	20.642	149	1305936	42.763	ng	99
81) Benzo(a)anthracene	21.619	228	2693701	39.398	ng	100
82) 3,3'-Dichlorobenzidine	21.536	252	1024594	39.757	ng	98
83) Chrysene	21.689	228	2553149	39.874	ng	99
84) Bis(2-ethylhexyl)phtha...	21.554	149	1832953	40.773	ng	99
85) Di-n-octyl phthalate	22.830	149	3203052	41.423	ng	98
87) Indeno(1,2,3-cd)pyrene	28.836	276	3360807	38.915	ng	# 80
88) Benzo(b)fluoranthene	23.936	252	2744704	39.525	ng	100
89) Benzo(k)fluoranthene	24.019	252	2754230	39.635	ng	99
90) Benzo(a)pyrene	24.854	252	2682309	39.681	ng	99
91) Dibenzo(a,h)anthracene	28.918	278	2770600	39.257	ng	99
92) Benzo(g,h,i)perylene	30.030	276	2704833	38.988	ng	100

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

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

[illegible]

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082725\
 Data File : BP025596.D
 Acq On : 27 Aug 2025 09:39
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 27 10:55:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 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	0.472	0.463	1.9	107	-0.02
3	Pyridine	1.291	1.266	1.9	106	-0.01
4	n-Nitrosodimethylamine	0.532	0.565	-6.2	113	-0.01
5 S	2-Fluorophenol	1.204	1.204	0.0	106	0.00
6	Aniline	2.080	2.093	-0.6	106	-0.01
7 S	Phenol-d6	1.544	1.563	-1.2	106	0.00
8	2-Chlorophenol	1.359	1.356	0.2	106	-0.02
9	Benzaldehyde	1.082	1.320	-22.0	99	-0.01
10 C	Phenol	1.620	1.636	-1.0	106	0.00
11	bis(2-Chloroethyl)ether	1.263	1.242	1.7	104	-0.02
12	1,3-Dichlorobenzene	1.499	1.478	1.4	105	-0.02
13 C	1,4-Dichlorobenzene	1.532	1.511	1.4	105	-0.02
14	1,2-Dichlorobenzene	1.483	1.461	1.5	105	-0.02
15	Benzyl Alcohol	1.227	1.235	-0.7	106	-0.01
16	2,2'-oxybis(1-Chloropropane	1.692	1.723	-1.8	109	-0.02
17	2-Methylphenol	1.125	1.127	-0.2	104	0.00
18	Hexachloroethane	0.563	0.563	0.0	106	-0.02
19 P	n-Nitroso-di-n-propylamine	1.023	1.032	-0.9	107	-0.02
20	3+4-Methylphenols	1.560	1.513	3.0	102	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	103	-0.02
22	Acetophenone	0.502	0.496	1.2	105	-0.02
23 S	Nitrobenzene-d5	0.395	0.395	0.0	106	-0.02
24	Nitrobenzene	0.353	0.352	0.3	105	-0.01
25	Isophorone	0.700	0.708	-1.1	108	-0.02
26 C	2-Nitrophenol	0.181	0.187	-3.3	106	-0.01
27	2,4-Dimethylphenol	0.312	0.310	0.6	103	-0.02
28	bis(2-Chloroethoxy)methane	0.423	0.417	1.4	105	-0.02
29 C	2,4-Dichlorophenol	0.310	0.310	0.0	104	0.00
30	1,2,4-Trichlorobenzene	0.340	0.332	2.4	104	-0.02
31	Naphthalene	1.040	1.018	2.1	105	-0.02
32	Benzoic acid	0.230	0.228	0.9	103	0.00
33	4-Chloroaniline	0.459	0.458	0.2	104	-0.01
34 C	Hexachlorobutadiene	0.211	0.206	2.4	103	-0.02
35	Caprolactam	0.114	0.121	-6.1	113	0.00
36 C	4-Chloro-3-methylphenol	0.355	0.363	-2.3	108	0.00
37	2-Methylnaphthalene	0.676	0.657	2.8	104	-0.02
38	1-Methylnaphthalene	0.719	0.691	3.9	104	-0.01
39 I	Acenaphthene-d10	1.000	1.000	0.0	105	-0.01
40	1,2,4,5-Tetrachlorobenzene	0.578	0.565	2.2	106	-0.02
41 P	Hexachlorocyclopentadiene	0.349	0.280	19.8	85	-0.02
42 S	2,4,6-Tribromophenol	0.269	0.296	-10.0	119	0.00
43 C	2,4,6-Trichlorophenol	0.390	0.385	1.3	106	0.00
44	2,4,5-Trichlorophenol	0.427	0.424	0.7	105	0.00
45 S	2-Fluorobiphenyl	1.463	1.415	3.3	107	-0.01
46	1,1'-Biphenyl	1.453	1.400	3.6	105	-0.02
47	2-Chloronaphthalene	1.131	1.094	3.3	105	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082725\
 Data File : BP025596.D
 Acq On : 27 Aug 2025 09:39
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 27 10:55:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 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	0.329	0.360	-9.4	115	0.00
49	Acenaphthylene	1.871	1.827	2.4	106	0.00
50	Dimethylphthalate	1.465	1.499	-2.3	112	-0.01
51	2,6-Dinitrotoluene	0.309	0.331	-7.1	113	0.00
52 C	Acenaphthene	1.098	1.046	4.7	106	0.00
53	3-Nitroaniline	0.347	0.364	-4.9	112	0.00
54 P	2,4-Dinitrophenol	0.165	0.204	-23.6	131	0.01
55	Dibenzofuran	1.736	1.718	1.0	108	0.00
56 P	4-Nitrophenol	0.285	0.275	3.5	103	0.03
57	2,4-Dinitrotoluene	0.440	0.481	-9.3	116	0.00
58	Fluorene	1.370	1.386	-1.2	112	0.00
59	2,3,4,6-Tetrachlorophenol	0.377	0.394	-4.5	113	0.00
60	Diethylphthalate	1.488	1.550	-4.2	114	0.00
61	4-Chlorophenyl-phenylether	0.681	0.690	-1.3	111	0.00
62	4-Nitroaniline	0.356	0.391	-9.8	117	0.00
63	Azobenzene	1.274	1.363	-7.0	116	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	111	0.00
65	4,6-Dinitro-2-methylphenol	0.125	0.142	-13.6	128	0.00
66 c	n-Nitrosodiphenylamine	0.610	0.593	2.8	111	0.00
67	4-Bromophenyl-phenylether	0.220	0.217	1.4	113	0.00
68	Hexachlorobenzene	0.255	0.256	-0.4	117	0.00
69	Atrazine	0.228	0.234	-2.6	119	0.00
70 C	Pentachlorophenol	0.161	0.155	3.7	109	0.01
71	Phenanthrene	1.099	1.066	3.0	113	0.00
72	Anthracene	1.122	1.113	0.8	114	0.00
73	Carbazole	1.057	1.047	0.9	115	0.01
74	Di-n-butylphthalate	1.300	1.367	-5.2	122	0.00
75 C	Fluoranthene	1.311	1.324	-1.0	119	0.01
76 I	Chrysene-d12	1.000	1.000	0.0	115	0.00
77	Benzydine	0.683	0.635	7.0	76	0.00
78	Pyrene	1.300	1.296	0.3	117	0.01
79 S	Terphenyl-d14	1.093	1.122	-2.7	124	0.00
80	Butylbenzylphthalate	0.589	0.630	-7.0	125	0.00
81	Benzo(a)anthracene	1.319	1.299	1.5	118	-0.01
82	3,3'-Dichlorobenzidine	0.497	0.494	0.6	117	0.00
83	Chrysene	1.235	1.231	0.3	120	0.00
84	Bis(2-ethylhexyl)phthalate	0.867	0.884	-2.0	123	-0.03
85 c	Di-n-octyl phthalate	1.492	1.545	-3.6	123	-0.04
86 I	Perylene-d12	1.000	1.000	0.0	115	-0.03
87	Indeno(1,2,3-cd)pyrene	1.467	1.427	2.7	117	-0.03
88	Benzo(b)fluoranthene	1.179	1.165	1.2	118	-0.02
89	Benzo(k)fluoranthene	1.180	1.169	0.9	119	-0.01
90 C	Benzo(a)pyrene	1.148	1.139	0.8	118	0.00
91	Dibenzo(a,h)anthracene	1.199	1.176	1.9	117	-0.04
92	Benzo(g,h,i)perylene	1.178	1.148	2.5	116	-0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082725\
Data File : BP025596.D
Acq On : 27 Aug 2025 09:39
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 27 10:55:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082725\
 Data File : BP025596.D
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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	39.219	2.0	107	-0.02
3	Pyridine	40.000	39.220	2.0	106	-0.01
4	n-Nitrosodimethylamine	40.000	42.492	-6.2	113	-0.01
5 S	2-Fluorophenol	80.000	79.975	0.0	106	0.00
6	Aniline	40.000	40.251	-0.6	106	-0.01
7 S	Phenol-d6	80.000	80.965	-1.2	106	0.00
8	2-Chlorophenol	40.000	39.900	0.3	106	-0.02
9	Benzaldehyde	40.000	48.816	-22.0	99	-0.01
10 C	Phenol	40.000	40.395	-1.0	106	0.00
11	bis(2-Chloroethyl)ether	40.000	39.351	1.6	104	-0.02
12	1,3-Dichlorobenzene	40.000	39.463	1.3	105	-0.02
13 C	1,4-Dichlorobenzene	40.000	39.448	1.4	105	-0.02
14	1,2-Dichlorobenzene	40.000	39.411	1.5	105	-0.02
15	Benzyl Alcohol	40.000	40.264	-0.7	106	-0.01
16	2,2'-oxybis(1-Chloropropane	40.000	40.735	-1.8	109	-0.02
17	2-Methylphenol	40.000	40.055	-0.1	104	0.00
18	Hexachloroethane	40.000	39.962	0.1	106	-0.02
19 P	n-Nitroso-di-n-propylamine	40.000	40.352	-0.9	107	-0.02
20	3+4-Methylphenols	40.000	38.796	3.0	102	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	103	-0.02
22	Acetophenone	40.000	39.578	1.1	105	-0.02
23 S	Nitrobenzene-d5	80.000	79.850	0.2	106	-0.02
24	Nitrobenzene	40.000	39.829	0.4	105	-0.01
25	Isophorone	40.000	40.465	-1.2	108	-0.02
26 C	2-Nitrophenol	40.000	41.159	-2.9	106	-0.01
27	2,4-Dimethylphenol	40.000	39.733	0.7	103	-0.02
28	bis(2-Chloroethoxy)methane	40.000	39.429	1.4	105	-0.02
29 C	2,4-Dichlorophenol	40.000	40.026	-0.1	104	0.00
30	1,2,4-Trichlorobenzene	40.000	39.108	2.2	104	-0.02
31	Naphthalene	40.000	39.174	2.1	105	-0.02
32	Benzoic acid	40.000	39.533	1.2	103	0.00
33	4-Chloroaniline	40.000	39.937	0.2	104	-0.01
34 C	Hexachlorobutadiene	40.000	38.868	2.8	103	-0.02
35	Caprolactam	40.000	42.433	-6.1	113	0.00
36 C	4-Chloro-3-methylphenol	40.000	40.805	-2.0	108	0.00
37	2-Methylnaphthalene	40.000	38.853	2.9	104	-0.02
38	1-Methylnaphthalene	40.000	38.444	3.9	104	-0.01
39 I	Acenaphthene-d10	20.000	20.000	0.0	105	-0.01
40	1,2,4,5-Tetrachlorobenzene	40.000	39.126	2.2	106	-0.02
41 P	Hexachlorocyclopentadiene	40.000	32.135	19.7	85	-0.02
42 S	2,4,6-Tribromophenol	80.000	88.074	-10.1	119	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.534	1.2	106	0.00
44	2,4,5-Trichlorophenol	40.000	39.644	0.9	105	0.00
45 S	2-Fluorobiphenyl	80.000	77.334	3.3	107	-0.01
46	1,1'-Biphenyl	40.000	38.565	3.6	105	-0.02
47	2-Chloronaphthalene	40.000	38.712	3.2	105	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082725\
 Data File : BP025596.D
 Acq On : 27 Aug 2025 09:39
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 27 10:55:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 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	43.663	-9.2	115	0.00
49	Acenaphthylene	40.000	39.053	2.4	106	0.00
50	Dimethylphthalate	40.000	40.927	-2.3	112	-0.01
51	2,6-Dinitrotoluene	40.000	42.909	-7.3	113	0.00
52 C	Acenaphthene	40.000	38.097	4.8	106	0.00
53	3-Nitroaniline	40.000	41.964	-4.9	112	0.00
54 P	2,4-Dinitrophenol	40.000	49.446	-23.6	131	0.01
55	Dibenzofuran	40.000	39.579	1.1	108	0.00
56 P	4-Nitrophenol	40.000	38.484	3.8	103	0.03
57	2,4-Dinitrotoluene	40.000	43.722	-9.3	116	0.00
58	Fluorene	40.000	40.461	-1.2	112	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	41.718	-4.3	113	0.00
60	Diethylphthalate	40.000	41.670	-4.2	114	0.00
61	4-Chlorophenyl-phenylether	40.000	40.522	-1.3	111	0.00
62	4-Nitroaniline	40.000	43.872	-9.7	117	0.00
63	Azobenzene	40.000	42.799	-7.0	116	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	111	0.00
65	4,6-Dinitro-2-methylphenol	40.000	45.462	-13.7	128	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.921	2.7	111	0.00
67	4-Bromophenyl-phenylether	40.000	39.510	1.2	113	0.00
68	Hexachlorobenzene	40.000	40.236	-0.6	117	0.00
69	Atrazine	40.000	41.026	-2.6	119	0.00
70 C	Pentachlorophenol	40.000	38.540	3.7	109	0.01
71	Phenanthrene	40.000	38.815	3.0	113	0.00
72	Anthracene	40.000	39.688	0.8	114	0.00
73	Carbazole	40.000	39.618	1.0	115	0.01
74	Di-n-butylphthalate	40.000	42.068	-5.2	122	0.00
75 C	Fluoranthene	40.000	40.422	-1.1	119	0.01
76 I	Chrysene-d12	20.000	20.000	0.0	115	0.00
77	Benzydine	40.000	37.234	6.9	76	0.00
78	Pyrene	40.000	39.867	0.3	117	0.01
79 S	Terphenyl-d14	80.000	82.140	-2.7	124	0.00
80	Butylbenzylphthalate	40.000	42.763	-6.9	125	0.00
81	Benzo(a)anthracene	40.000	39.398	1.5	118	-0.01
82	3,3'-Dichlorobenzidine	40.000	39.757	0.6	117	0.00
83	Chrysene	40.000	39.874	0.3	120	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	40.773	-1.9	123	-0.03
85 c	Di-n-octyl phthalate	40.000	41.423	-3.6	123	-0.04
86 I	Perylene-d12	20.000	20.000	0.0	115	-0.03
87	Indeno(1,2,3-cd)pyrene	40.000	38.915	2.7	117	-0.03
88	Benzo(b)fluoranthene	40.000	39.525	1.2	118	-0.02
89	Benzo(k)fluoranthene	40.000	39.635	0.9	119	-0.01
90 C	Benzo(a)pyrene	40.000	39.681	0.8	118	0.00
91	Dibenzo(a,h)anthracene	40.000	39.257	1.9	117	-0.04
92	Benzo(g,h,i)perylene	40.000	38.988	2.5	116	-0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082725\
Data File : BP025596.D
Acq On : 27 Aug 2025 09:39
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 27 10:55:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 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



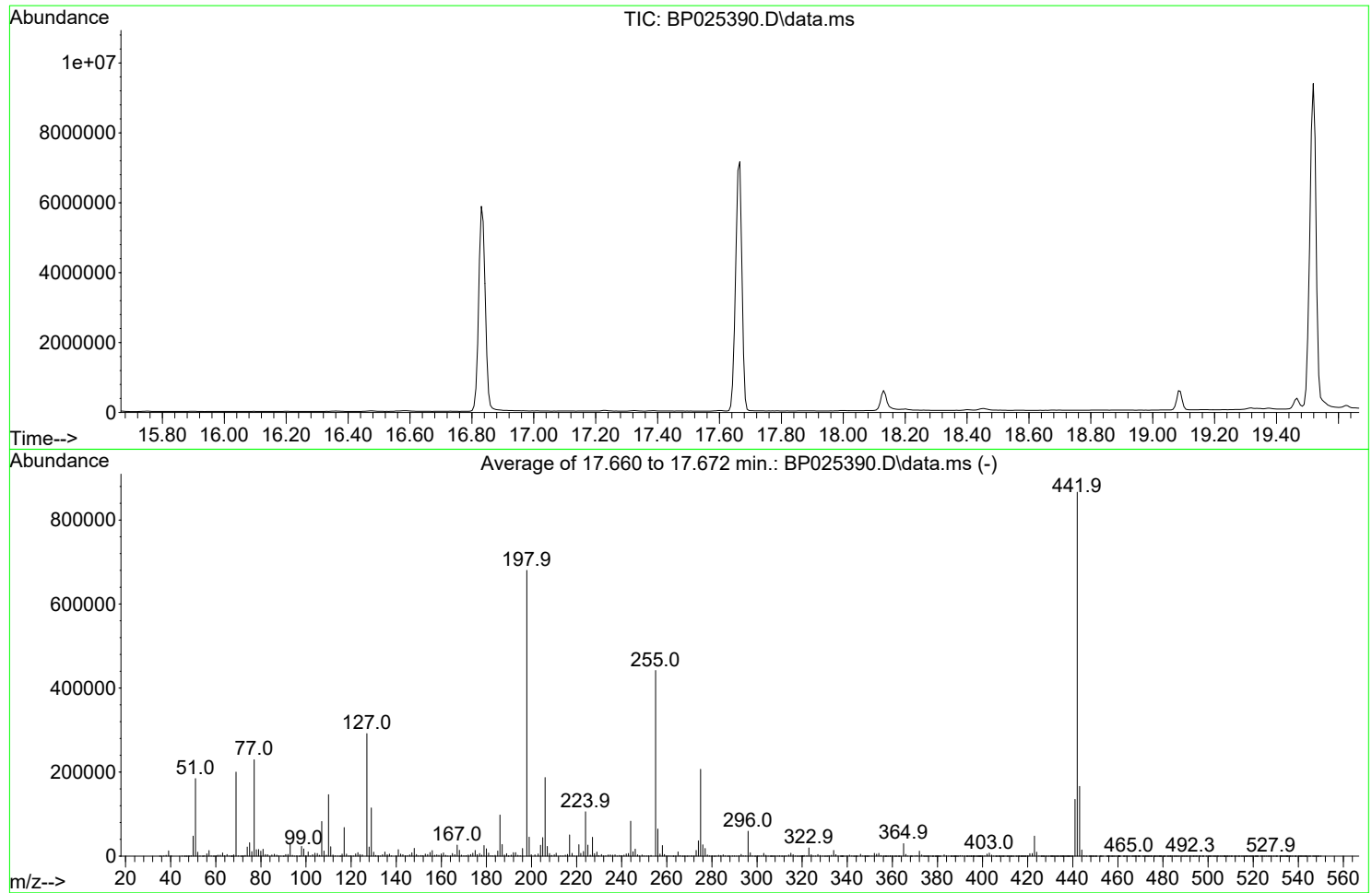
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025390.D
Acq On : 14 Aug 2025 10:30
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 14 18:14:31 2025



AutoFind: Scans 2503, 2504, 2505; Background Corrected with Scan 2494

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.6	3290	PASS
69	69	100	100	100.0	199967	PASS
70	69	0.00	2	0.4	716	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	680138	PASS
199	198	5	9	6.7	45247	PASS
365	198	1	100	4.4	29981	PASS
441	443	0.01	150	81.3	135091	PASS
442	442	100	100	100.0	866023	PASS
443	442	15	24	19.2	166133	PASS

DDT Breakdown

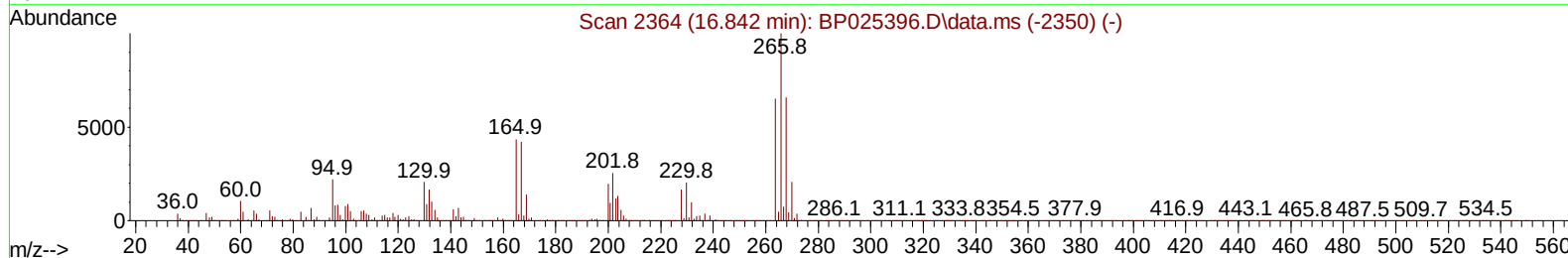
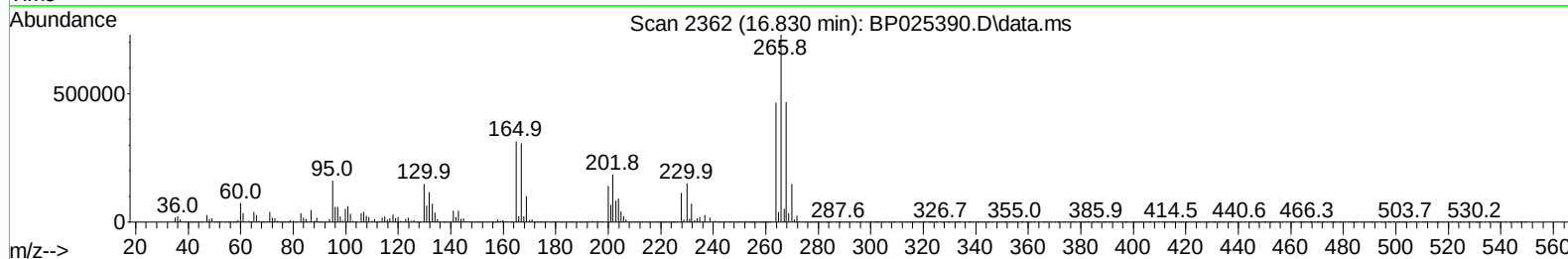
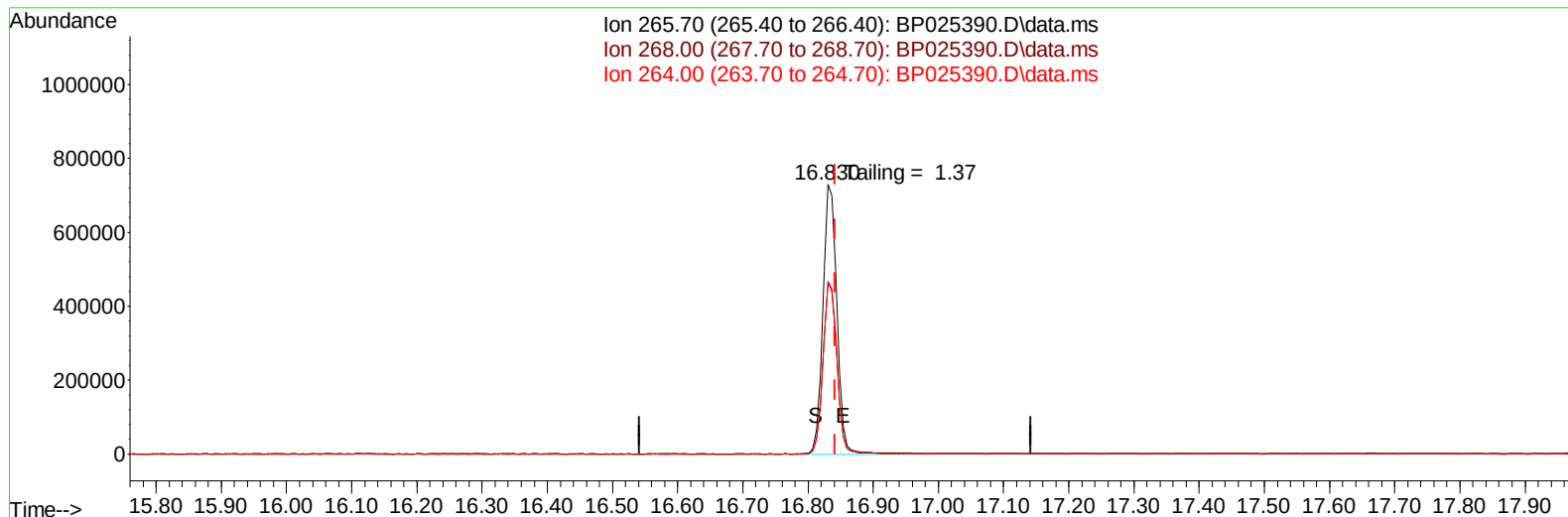
Date	Instrument Name	DFTPP Data File
8/14/2025	BNA_P	<u>BP025390.D</u>
Compound Name	Response	Retention Time
DDT	2976098	20.818
DDD	52170	20.407
DDE	9165	19.824
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
61335	3037433	2.02

Instrument :
BNA_P
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025390.D
Acq On : 14 Aug 2025 10:30
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 14 18:17:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



TIC: BP025390.D\data.ms

(70) Pentachlorophenol (C)

16.830min (-0.012) 61985.64 ng

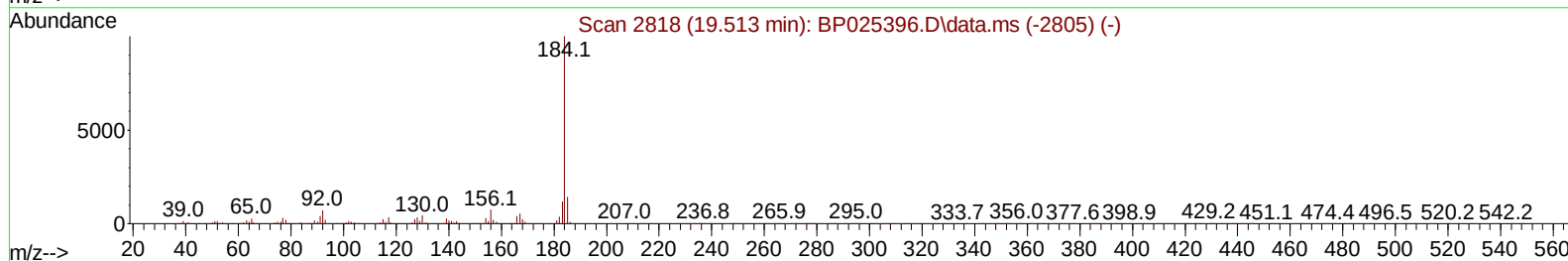
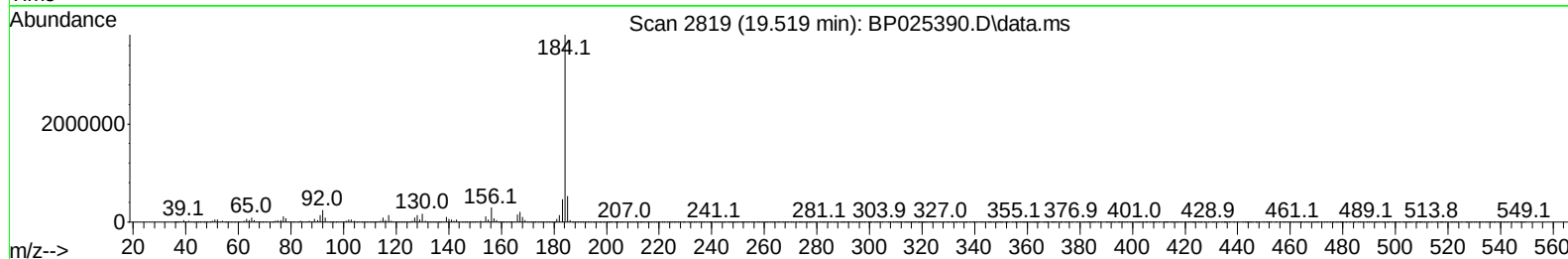
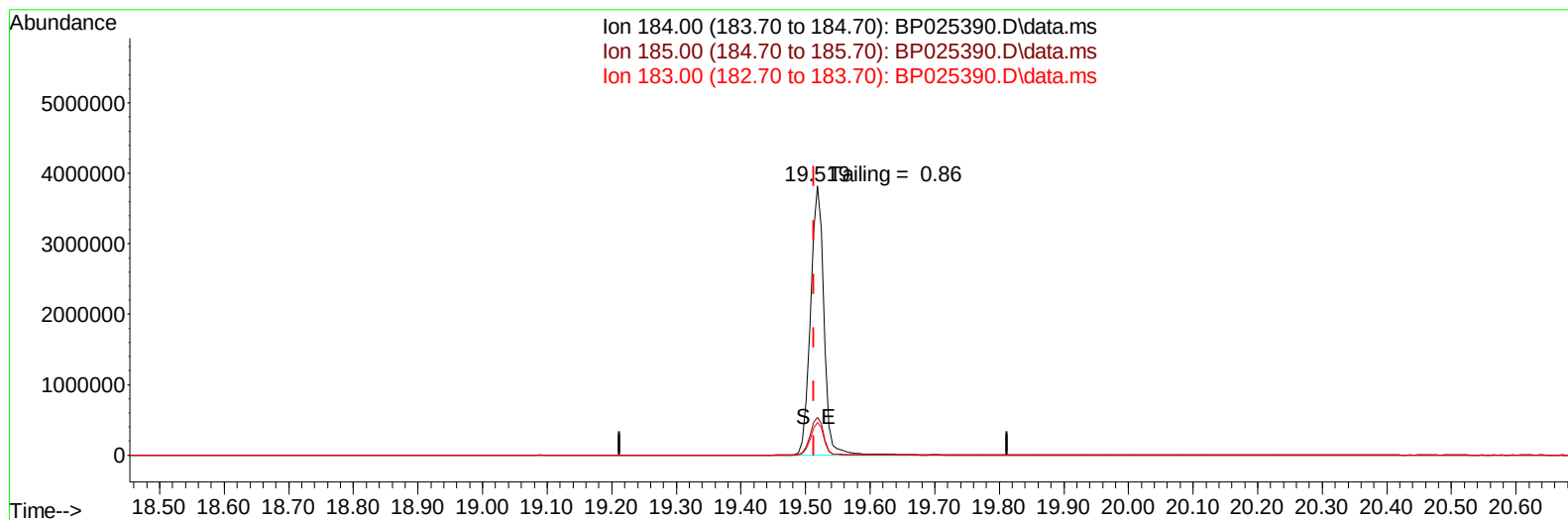
response 1096483

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.80	64.04
264.00	65.00	63.79
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025390.D
Acq On : 14 Aug 2025 10:30
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 14 18:17:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



TIC: BP025390.D\data.ms

(77) Benzidine

19.519min (+ 0.006) 64482.34 ng

response 5499416

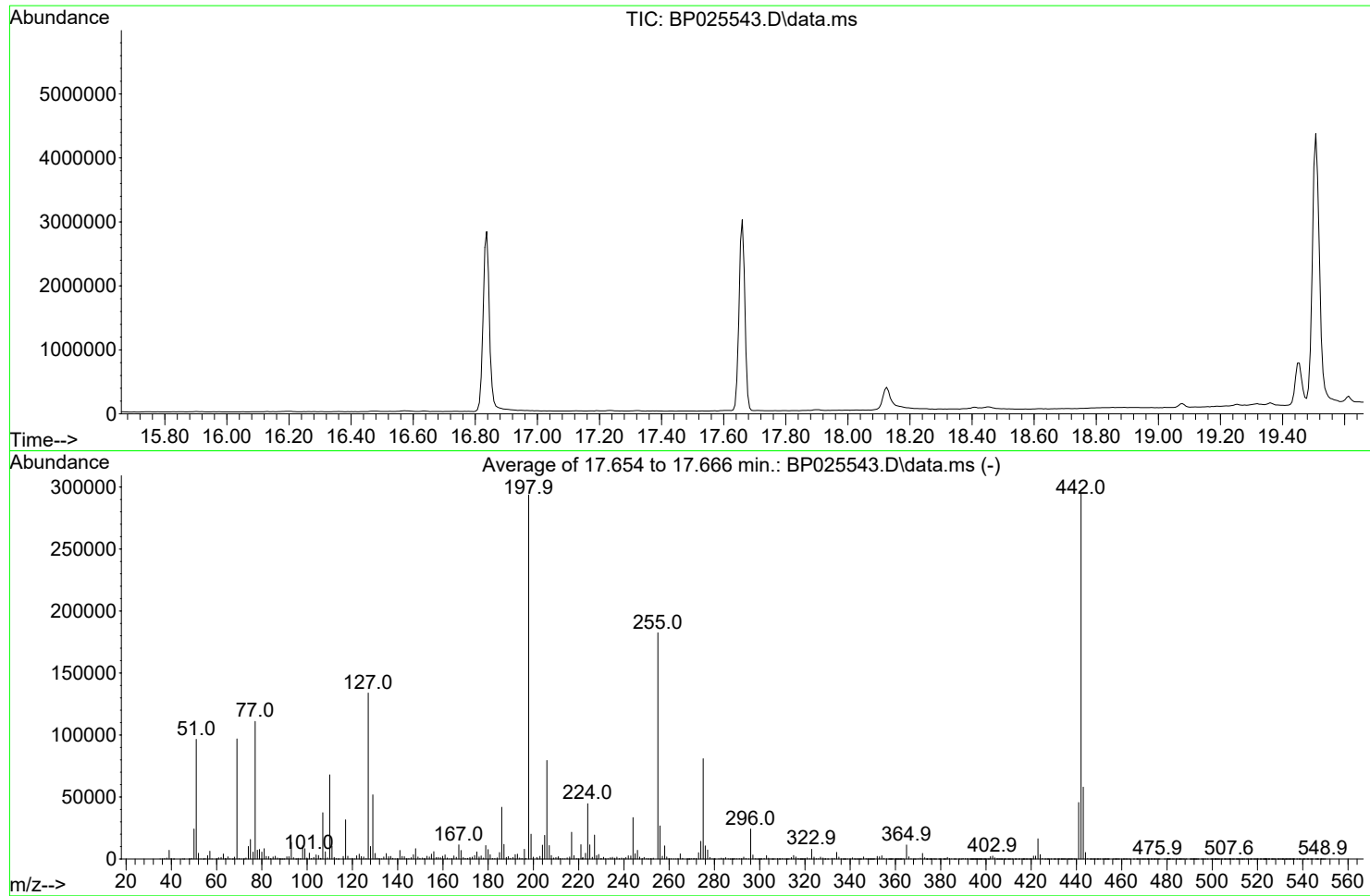
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.03
183.00	11.80	12.10
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025543.D
Acq On : 22 Aug 2025 10:08
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 14 18:14:31 2025



AutoFind: Scans 2502, 2503, 2504; Background Corrected with Scan 2494

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	1519	PASS
69	69	100	100	100.0	96945	PASS
70	69	0.00	2	0.4	396	PASS
197	198	0.00	2	0.2	468	PASS
198	198	100	100	100.0	293657	PASS
199	198	5	9	6.8	20111	PASS
365	198	1	100	3.8	11295	PASS
441	443	0.01	150	78.6	45599	PASS
442	442	100	100	100.0	294439	PASS
443	442	15	24	19.7	58043	PASS

DDT Breakdown

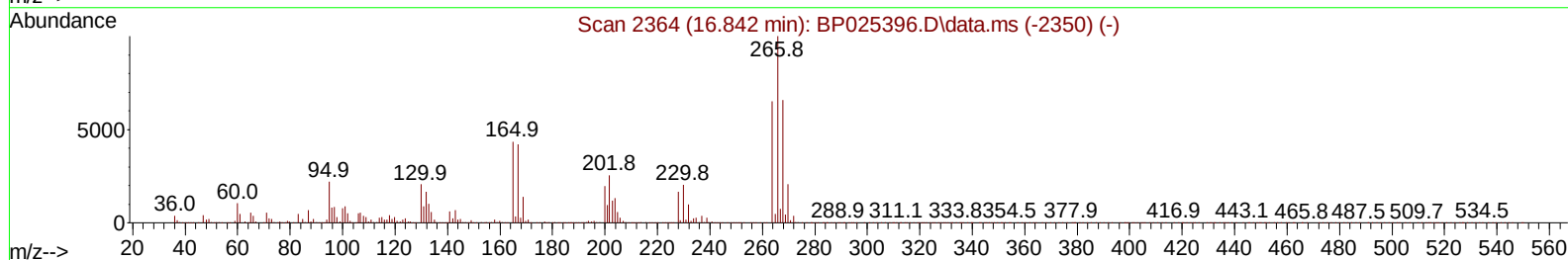
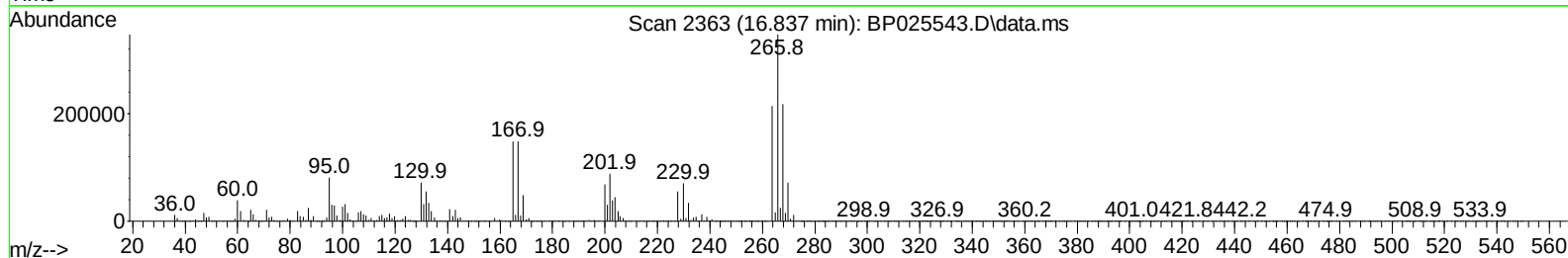
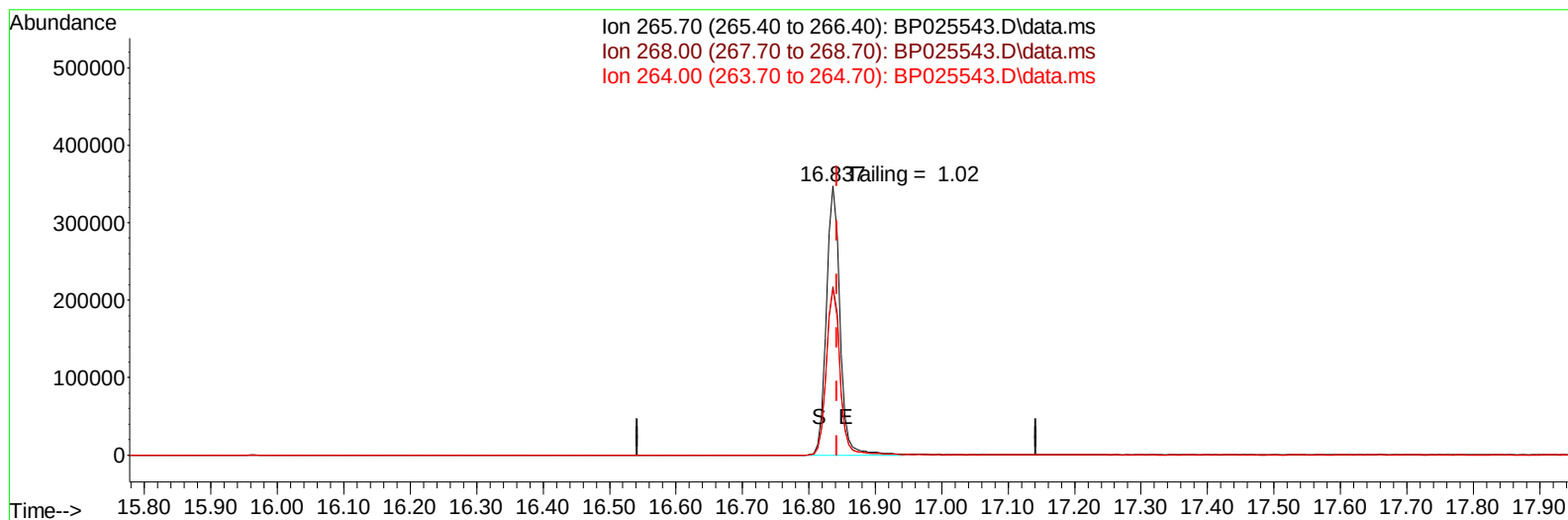
Date	Instrument Name	DFTPP Data File
8/22/2025	BNA_P	<u>BP025543.D</u>
Compound Name	Response	Retention Time
DDT	1433027	20.801
DDD	19562	20.348
DDE	2885	19.813
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
22447	1455474	1.54

Instrument :
BNA_P
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025543.D
Acq On : 22 Aug 2025 10:08
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 22 10:56:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



TIC: BP025543.D\data.ms

(70) Pentachlorophenol (C)

16.837min (-0.006) 24379.55 ng

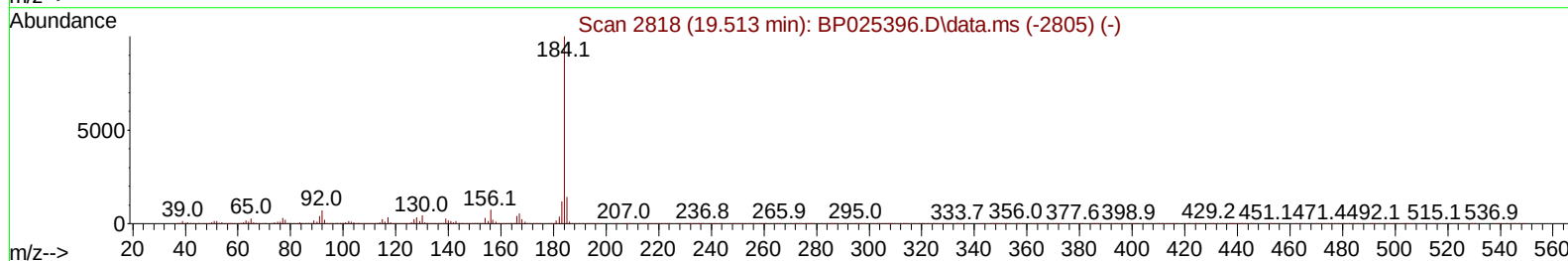
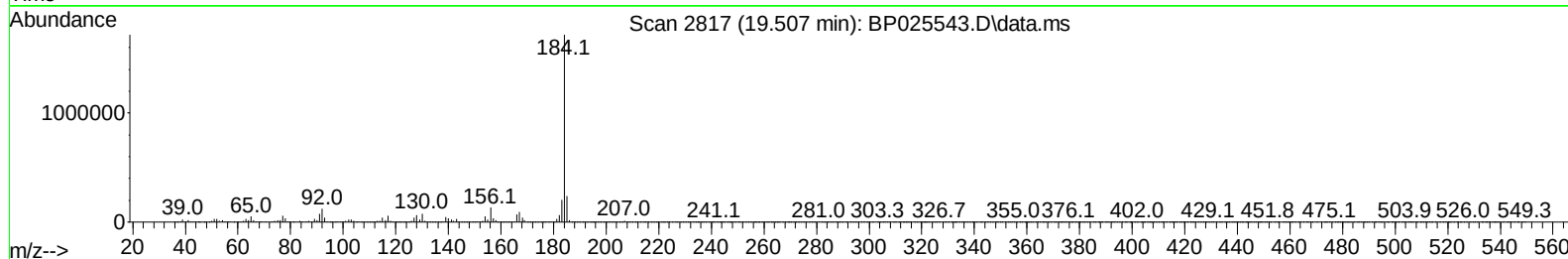
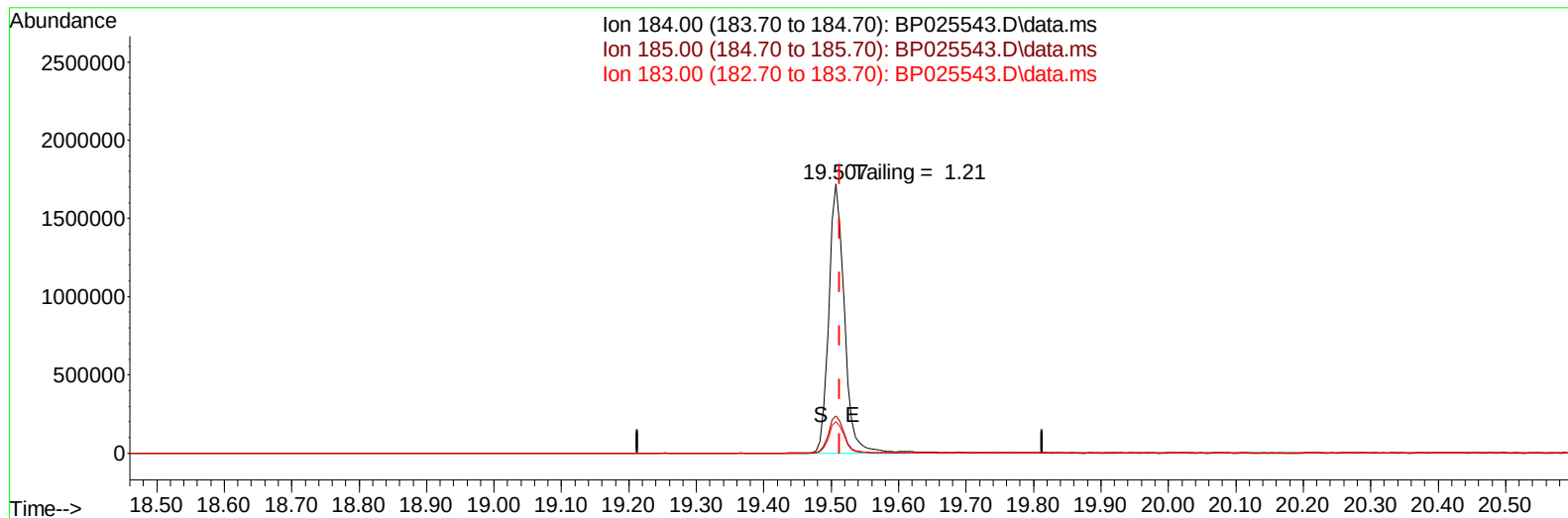
response 490511

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.80	62.65
264.00	65.00	61.62
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025543.D
Acq On : 22 Aug 2025 10:08
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 22 10:56:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



TIC: BP025543.D\data.ms

(77) Benzidine

19.507min (-0.006) 16182.04 ng

response 2751355

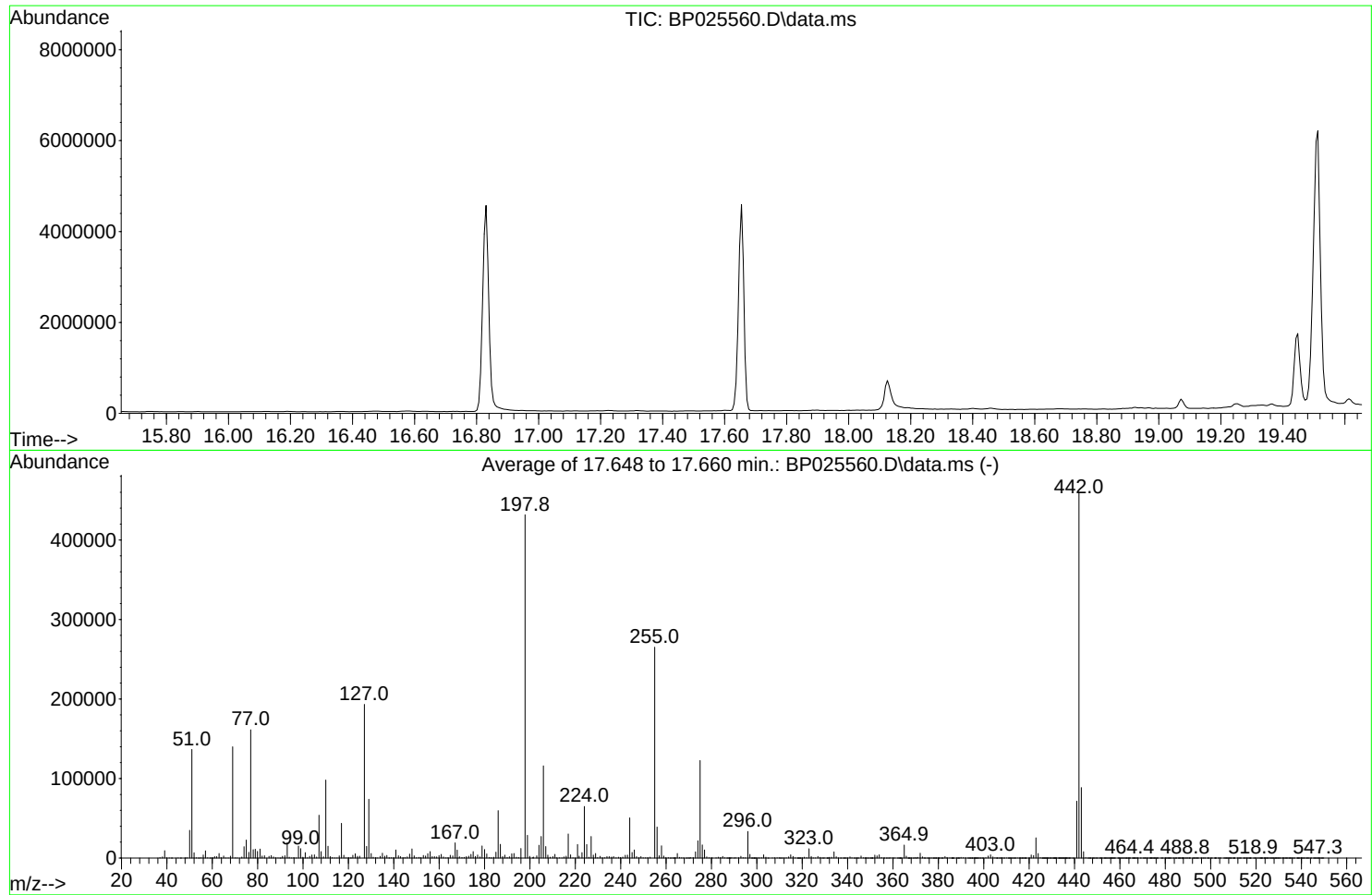
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.92
183.00	11.80	11.76
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
Data File : BP025560.D
Acq On : 25 Aug 2025 10:24
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 14 18:14:31 2025



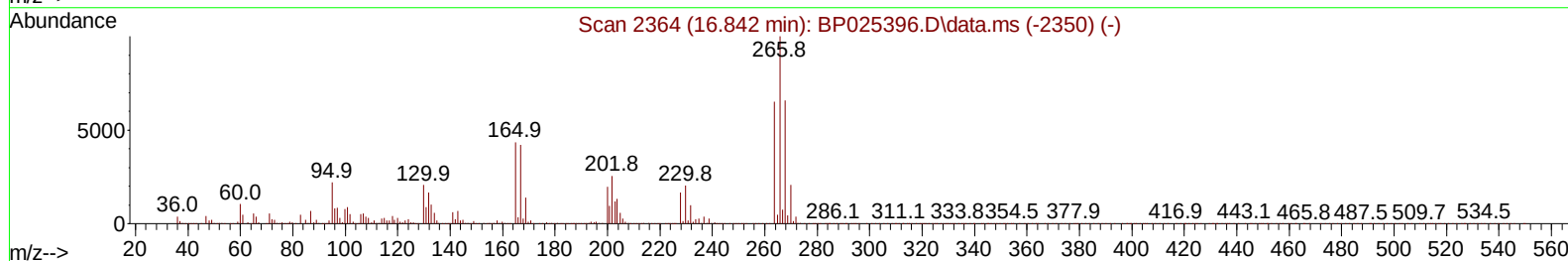
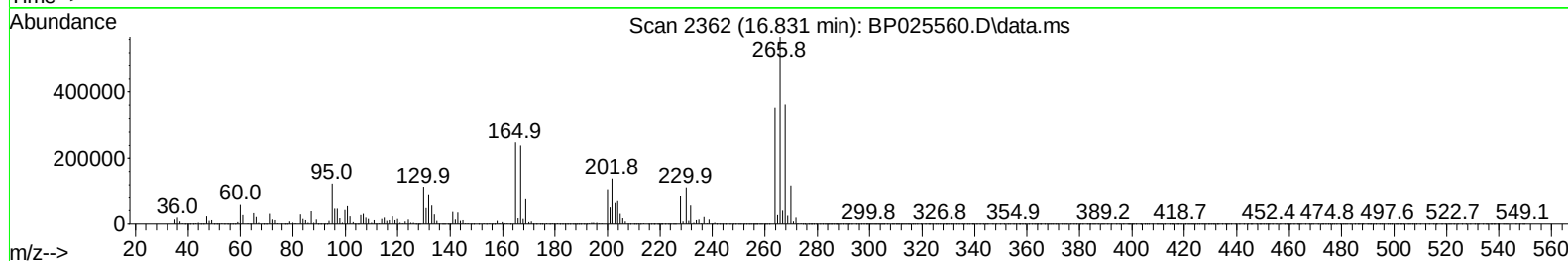
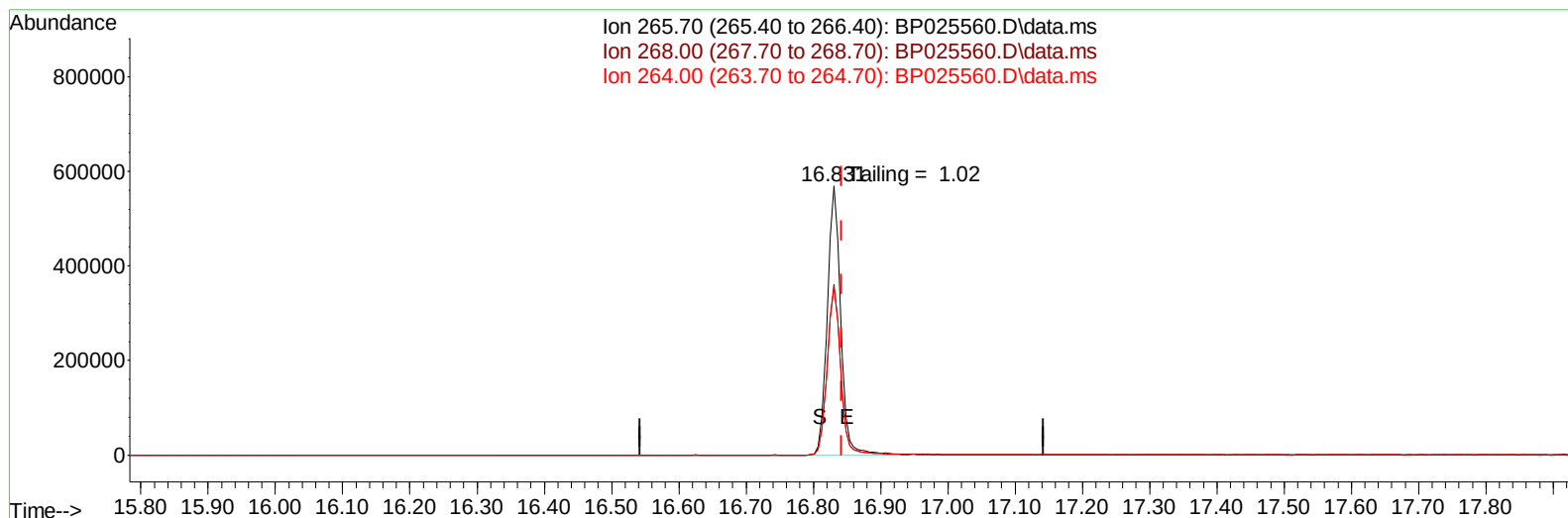
AutoFind: Scans 2501, 2502, 2503; Background Corrected with Scan 2491

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.7	2382	PASS
69	69	100	100	100.0	139943	PASS
70	69	0.00	2	0.3	445	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	431644	PASS
199	198	5	9	6.6	28690	PASS
365	198	1	100	3.8	16344	PASS
441	443	0.01	150	80.8	71635	PASS
442	442	100	100	100.0	458603	PASS
443	442	15	24	19.3	88643	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
Data File : BP025560.D
Acq On : 25 Aug 2025 10:24
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 25 12:41:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



TIC: BP025560.D\data.ms

(70) Pentachlorophenol (C)

16.831min (-0.012) 30402.24 ng

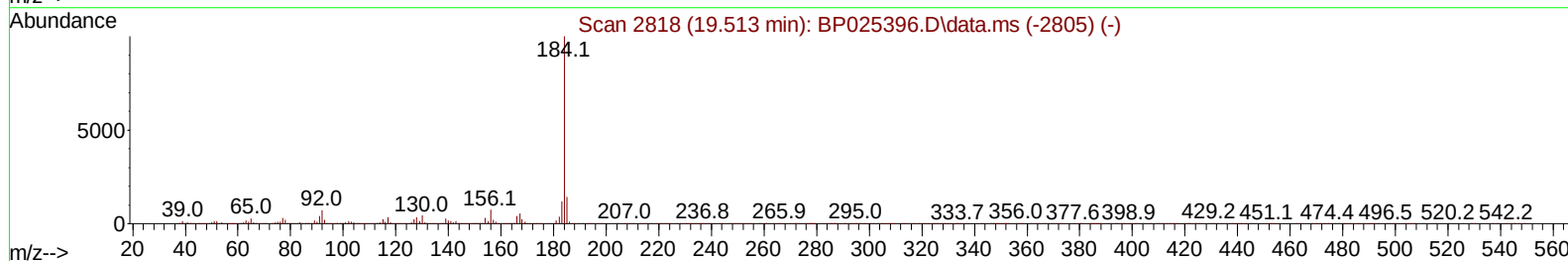
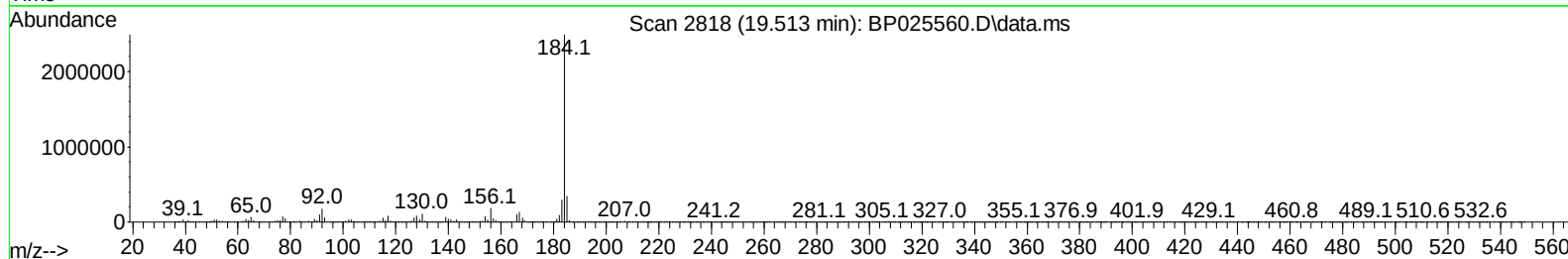
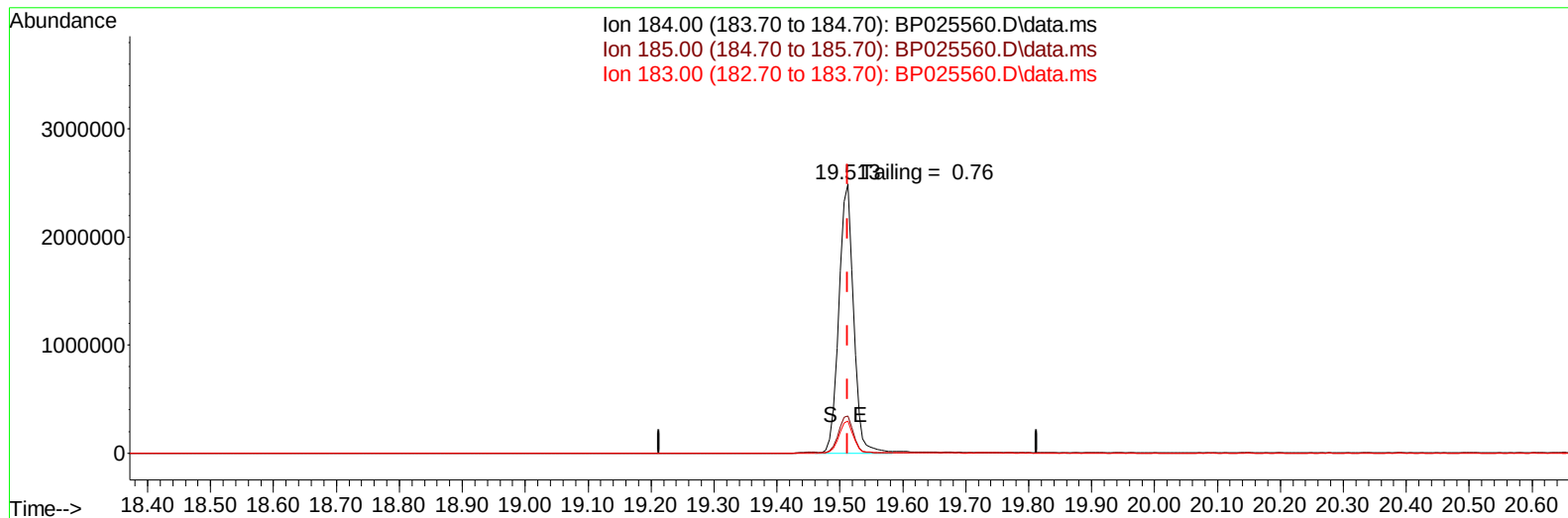
response 788586

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.80	63.60
264.00	65.00	62.15
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
Data File : BP025560.D
Acq On : 25 Aug 2025 10:24
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 25 12:41:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



TIC: BP025560.D\data.ms

(77) Benzidine

19.513min (+ 0.000) 18802.33 ng

response 4079827

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.93
183.00	11.80	12.00
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
8/25/2025	BNA_P	<u>BP025560.D</u>
Compound Name	Response	Retention Time
DDT	2097133	20.807
DDD	38651	20.342
DDE	4733	19.819
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
43384	2140517	2.03

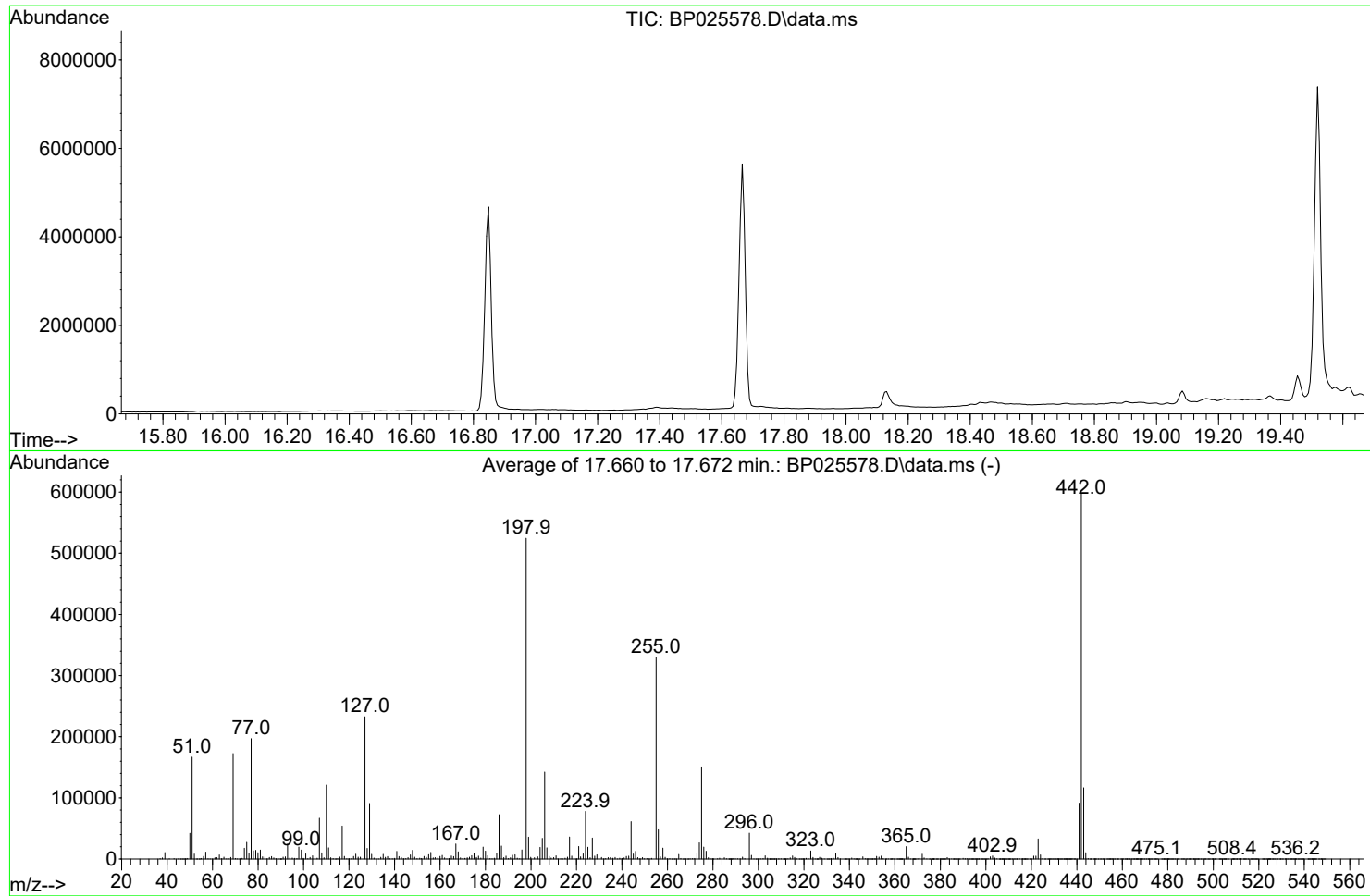
Instrument :
BNA_P
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082625\
Data File : BP025578.D
Acq On : 26 Aug 2025 08:59
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 14 18:14:31 2025



AutoFind: Scans 2503, 2504, 2505; Background Corrected with Scan 2493

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	2756	PASS
69	69	100	100	100.0	172546	PASS
70	69	0.00	2	0.6	1035	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	524501	PASS
199	198	5	9	6.8	35733	PASS
365	198	1	100	3.9	20440	PASS
441	443	0.01	150	78.3	91453	PASS
442	442	100	100	100.0	597035	PASS
443	442	15	24	19.6	116747	PASS

DDT Breakdown

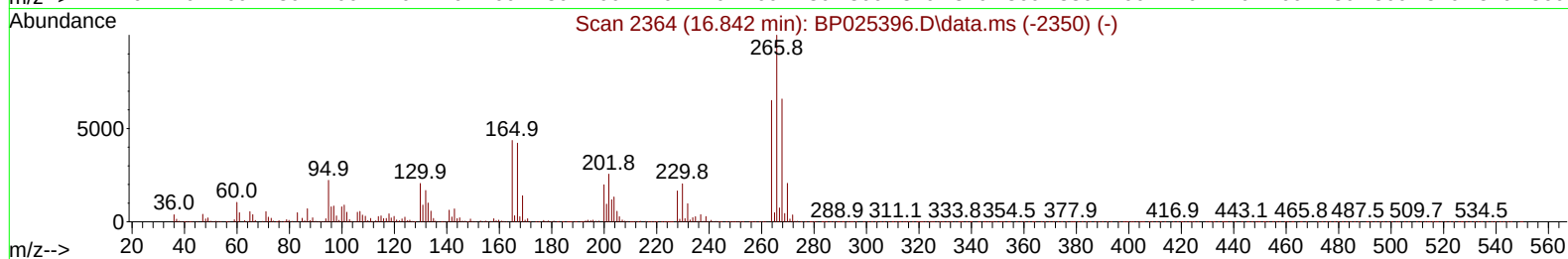
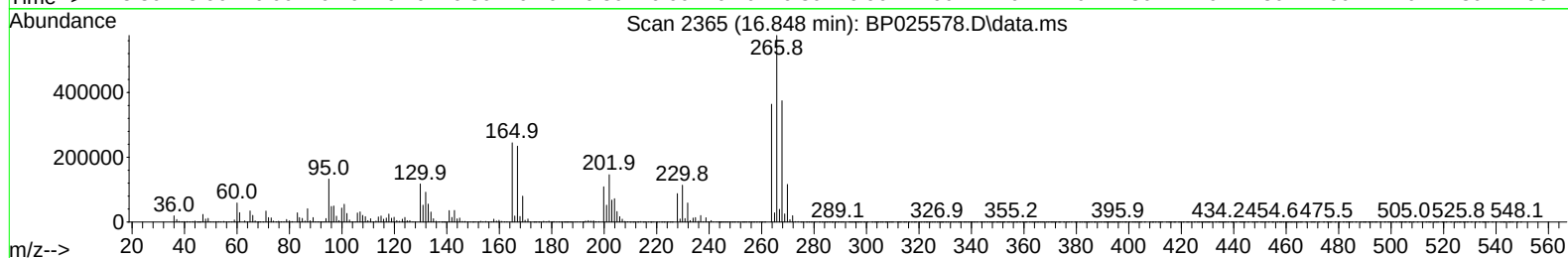
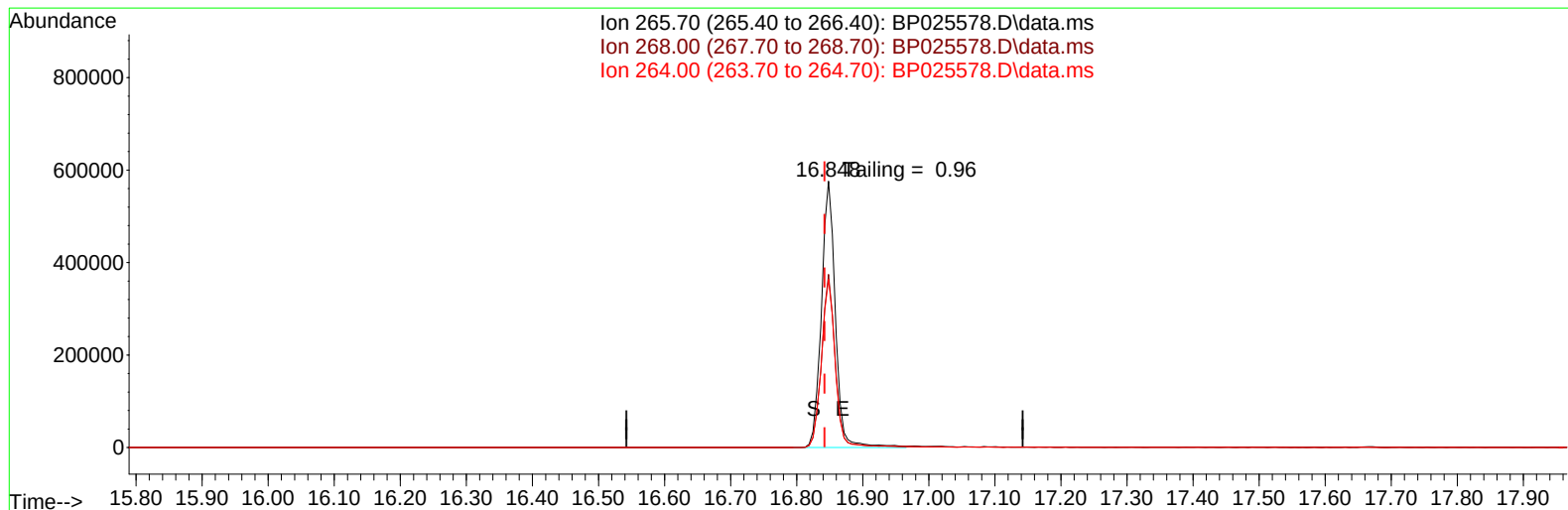
Date	Instrument Name	DFTPP Data File
8/26/2025	BNA_P	<u>BP025578.D</u>
Compound Name	Response	Retention Time
DDT	2136201	20.813
DDD	101241	20.354
DDE	5903	19.819
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
107144	2243345	4.78

Instrument :
BNA_P
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082625\
Data File : BP025578.D
Acq On : 26 Aug 2025 08:59
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 26 09:35:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



TIC: BP025578.D\data.ms

(70) Pentachlorophenol (C)

16.848min (+ 0.006) 901788.49 ng

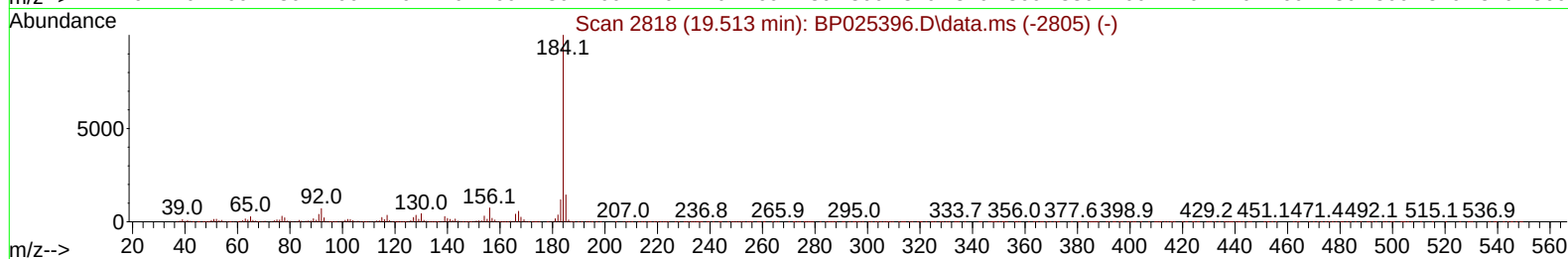
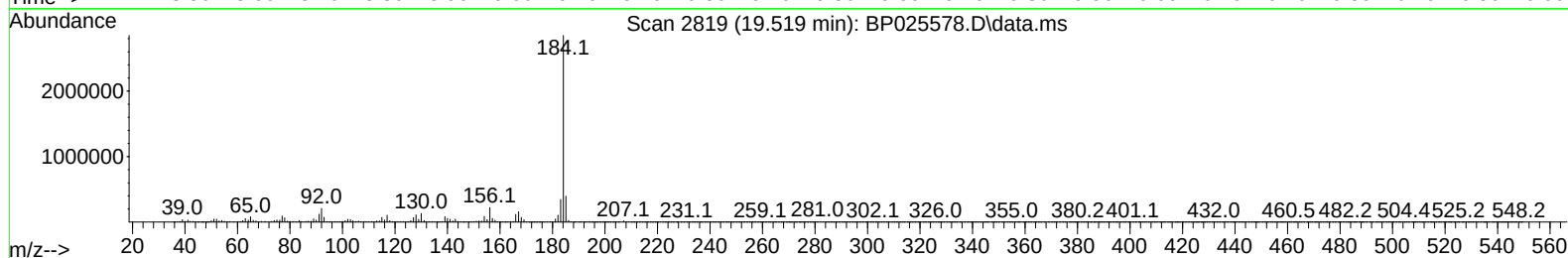
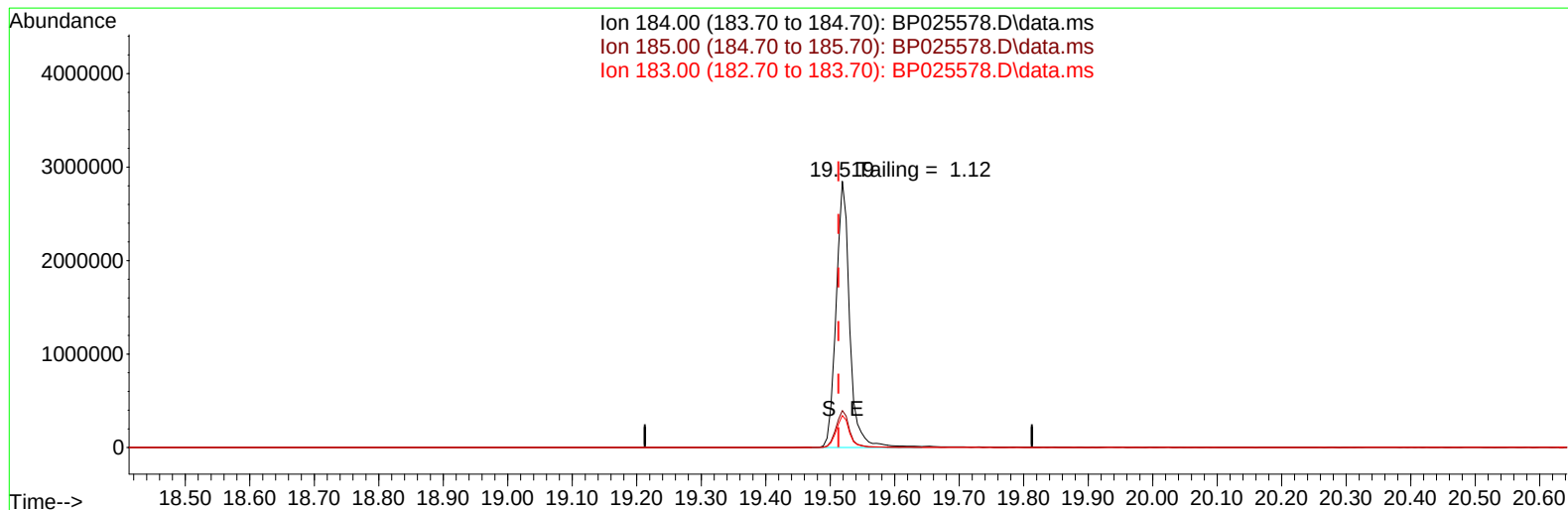
response 849129

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.80	64.98
264.00	65.00	63.17
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082625\
Data File : BP025578.D
Acq On : 26 Aug 2025 08:59
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 26 09:35:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



TIC: BP025578.D\data.ms

(77) Benzidine

19.519min (+ 0.006) 262076.27 ng

response 4167956

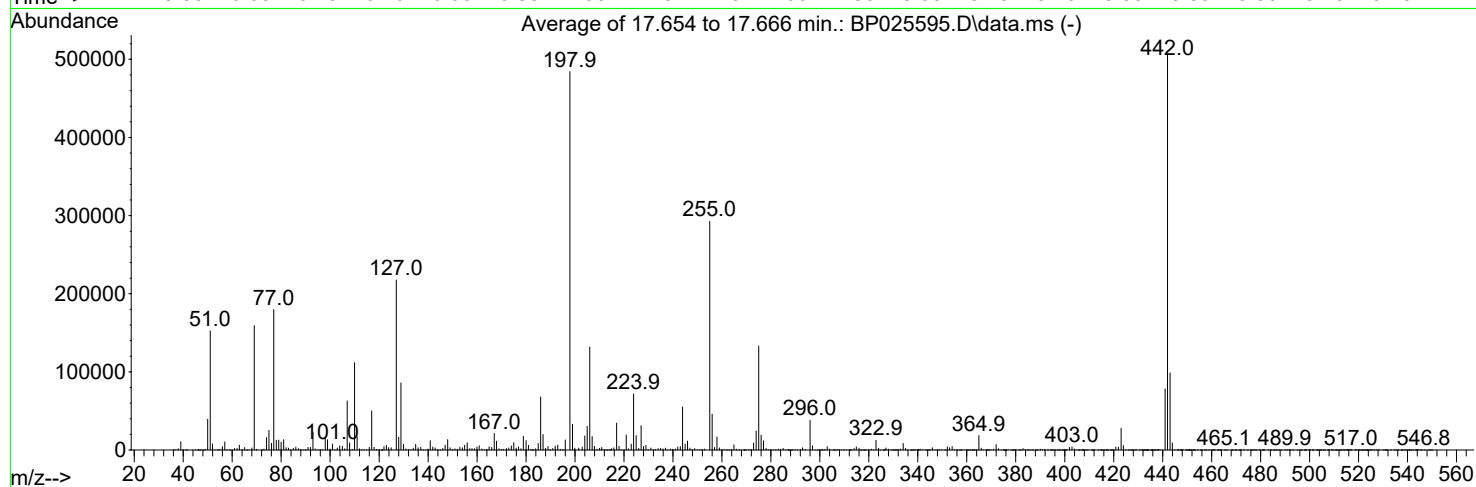
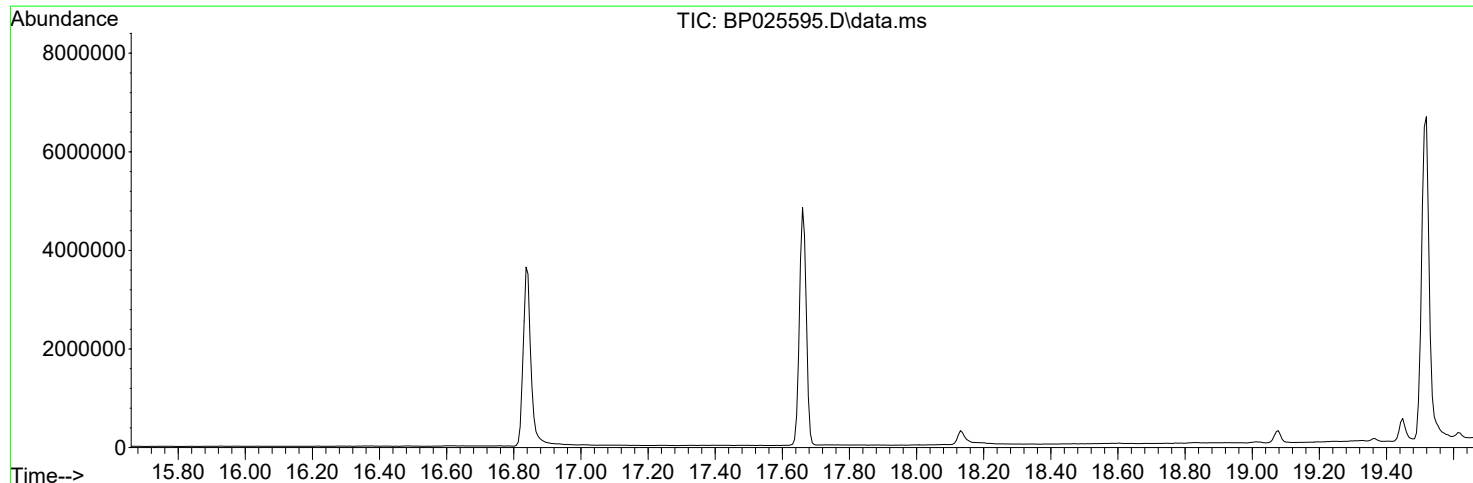
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.88
183.00	11.80	12.08
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082725\
Data File : BP025595.D
Acq On : 27 Aug 2025 08:58
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 14 18:14:31 2025



AutoFind: Scans 2502, 2503, 2504; Background Corrected with Scan 2495

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.7	2647	PASS
69	69	100	100	100.0	159279	PASS
70	69	0.00	2	0.6	914	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	484263	PASS
199	198	5	9	6.8	33059	PASS
365	198	1	100	3.8	18407	PASS
441	443	0.01	150	79.2	78301	PASS
442	442	100	100	100.0	505318	PASS
443	442	15	24	19.6	98803	PASS

DDT Breakdown

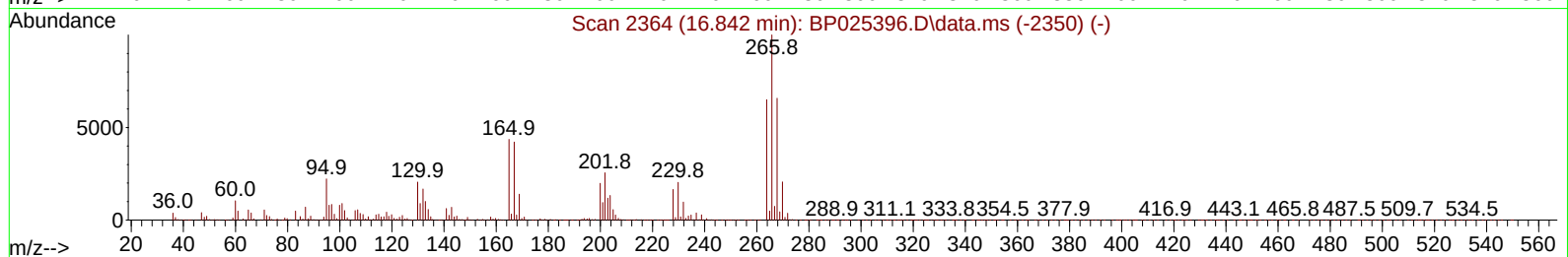
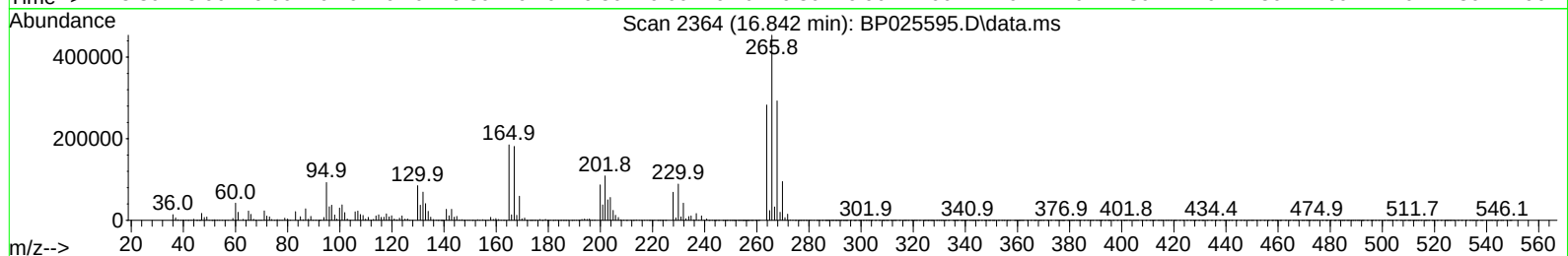
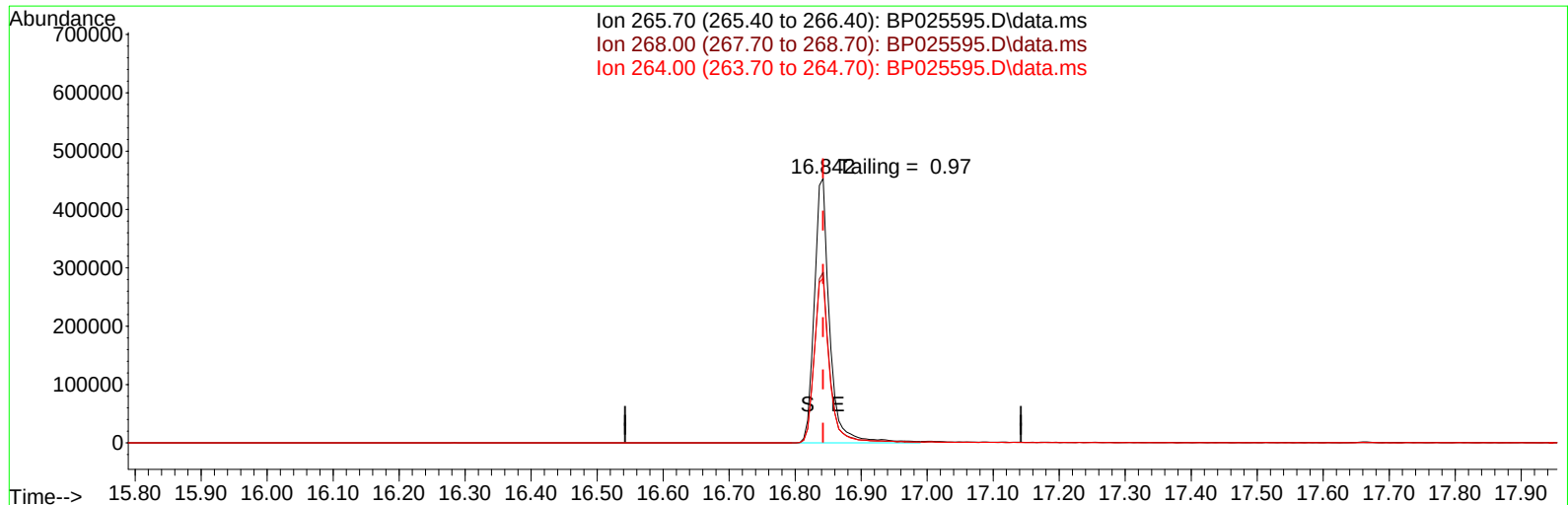
Date	Instrument Name	DFTPP Data File
8/27/2025	BNA_P	<u>BP025595.D</u>
Compound Name	Response	Retention Time
DDT	2242813	20.807
DDD	65606	20.342
DDE	9202	19.819
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
74808	2317621	3.23

Instrument :
BNA_P
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082725\
Data File : BP025595.D
Acq On : 27 Aug 2025 08:58
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 27 16:26:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



TIC: BP025595.D\data.ms

(70) Pentachlorophenol (C)

16.842min (+ 0.000) 1966640.70 ng

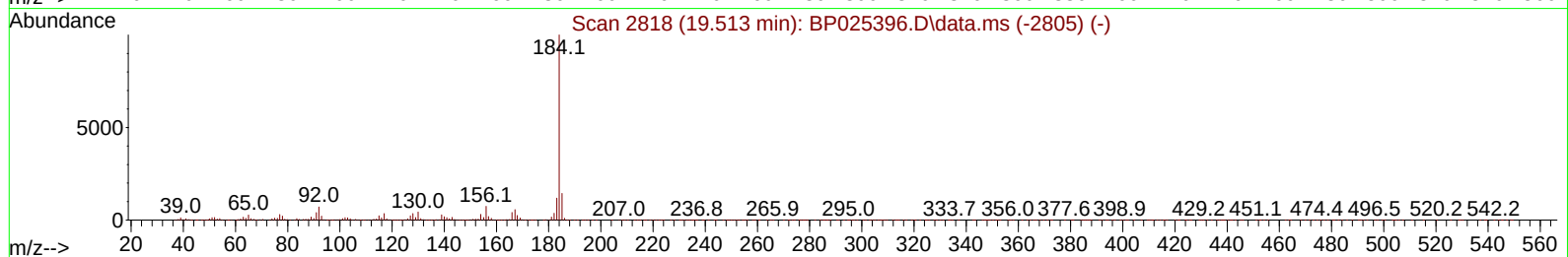
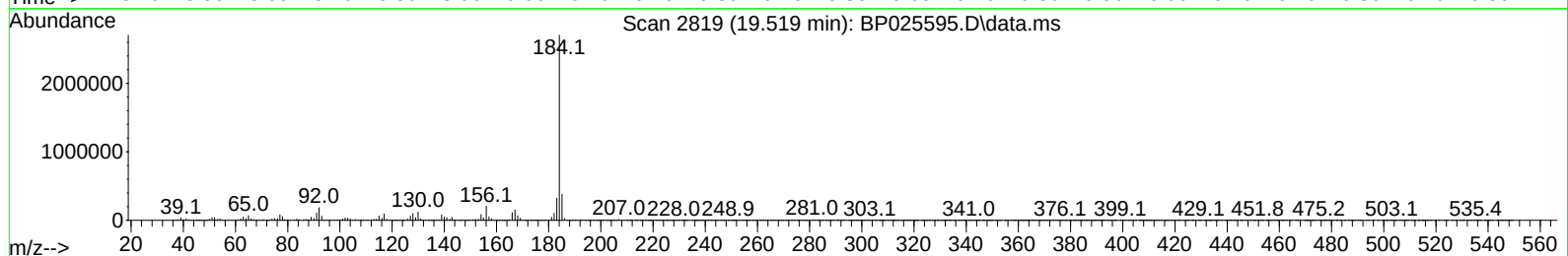
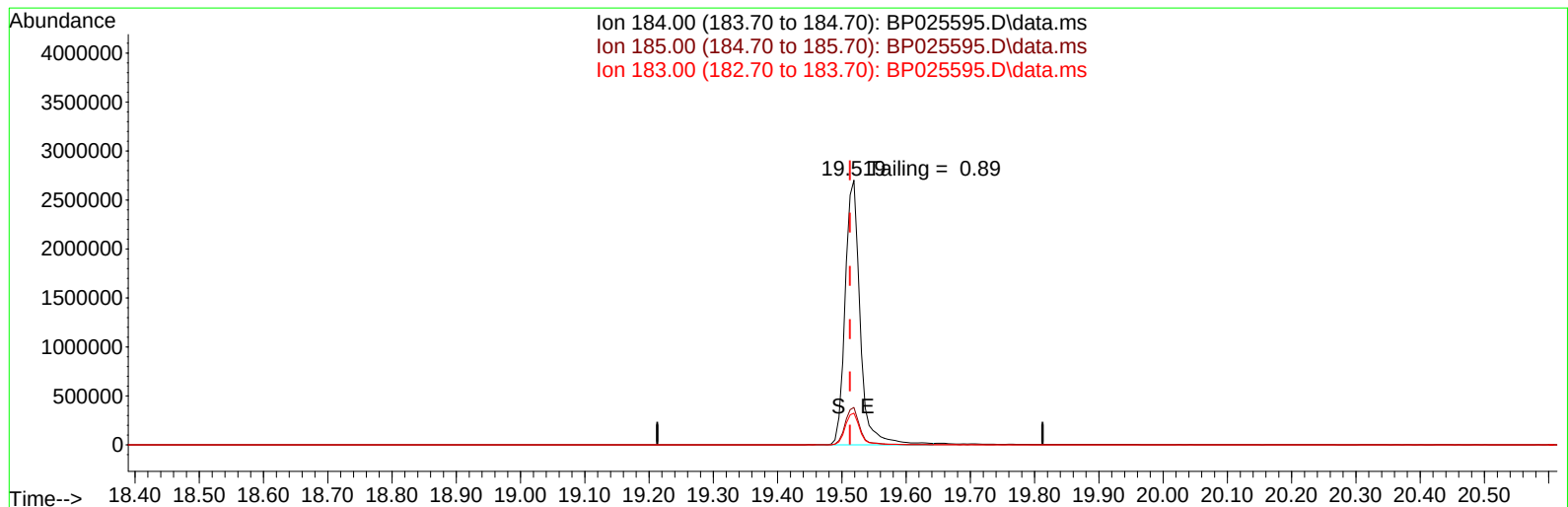
response 728058

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.80	64.47
264.00	65.00	62.33
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082725\
Data File : BP025595.D
Acq On : 27 Aug 2025 08:58
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 27 16:26:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



TIC: BP025595.D\data.ms

(77) Benzidine

19.519min (+ 0.006) 862145.80 ng

response 4384060

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.17
183.00	11.80	11.99
0.00	0.00	0.00

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169362BL	SDG No.:	Q2934
Lab Sample ID:	PB169362BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025562.D	1	08/22/25 10:34	08/25/25 12:54	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.0	ug/L
108-95-2	Phenol	0.91	U	0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.81	U	0.81	5.00	ug/L
95-57-8	2-Chlorophenol	0.58	U	0.58	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.00	ug/L
98-86-2	Acetophenone	0.74	U	0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.50	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
78-59-1	Isophorone	0.75	U	0.75	5.00	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.52	U	0.52	5.00	ug/L
91-20-3	Naphthalene	0.50	U	0.50	5.00	ug/L
106-47-8	4-Chloroaniline	0.84	U	0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
105-60-2	Caprolactam	1.10	U	1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.59	U	0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	0.56	U	0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	3.60	U	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	0.53	U	0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.61	U	0.61	5.00	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.00	ug/L
131-11-3	Dimethylphthalate	0.61	U	0.61	5.00	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169362BL	SDG No.:	Q2934
Lab Sample ID:	PB169362BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025562.D	1	08/22/25 10:34	08/25/25 12:54	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.75	U	0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	0.92	U	0.92	5.00	ug/L
99-09-2	3-Nitroaniline	1.10	U	1.10	5.00	ug/L
83-32-9	Acenaphthene	0.55	U	0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.00	U	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.0	ug/L
132-64-9	Dibenzofuran	0.61	U	0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
84-66-2	Diethylphthalate	0.69	U	0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.68	U	0.68	5.00	ug/L
86-73-7	Fluorene	0.63	U	0.63	5.00	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.58	U	0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.40	U	0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
85-01-8	Phenanthrene	0.50	U	0.50	5.00	ug/L
120-12-7	Anthracene	0.61	U	0.61	5.00	ug/L
86-74-8	Carbazole	0.72	U	0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.00	ug/L
206-44-0	Fluoranthene	0.82	U	0.82	5.00	ug/L
129-00-0	Pyrene	0.50	U	0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	1.90	U	1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	0.93	U	0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.45	U	0.45	5.00	ug/L
218-01-9	Chrysene	0.44	U	0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.30	U	2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	5.00	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169362BL	SDG No.:	Q2934
Lab Sample ID:	PB169362BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025562.D	1	08/22/25 10:34	08/25/25 12:54	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	0.55	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.67	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	0.69	U	0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	0.52	5.00	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	125		15 (23) - 110 (138)	83%	SPK: 150
13127-88-3	Phenol-d6	120		15 (10) - 110 (134)	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	75.8		30 (67) - 130 (132)	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.3		30 (52) - 130 (132)	73%	SPK: 100
118-79-6	2,4,6-Tribromophenol	123		15 (44) - 110 (137)	82%	SPK: 150
1718-51-0	Terphenyl-d14	70.1		30 (42) - 130 (152)	70%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	173000	7.778			
1146-65-2	Naphthalene-d8	666000	10.543			
15067-26-2	Acenaphthene-d10	425000	14.389			
1517-22-2	Phenanthrene-d10	891000	17.189			
1719-03-5	Chrysene-d12	1140000	21.63			
1520-96-3	Perylene-d12	1290000	25.001			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.70	A		4.94	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169362BL	SDG No.:	Q2934
Lab Sample ID:	PB169362BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025562.D	1	08/22/25 10:34	08/25/25 12:54	PB169362

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\BP082525\
Data File : BP025562.D
Acq On : 25 Aug 2025 12:54
Operator : CG/JU
Sample : PB169362BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169362BL

Quant Time: Aug 25 13:15:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	173347	20.000	ng	-0.02
21) Naphthalene-d8	10.543	136	665603	20.000	ng	-0.02
39) Acenaphthene-d10	14.389	164	424932	20.000	ng	-0.02
64) Phenanthrene-d10	17.189	188	890876	20.000	ng	#-0.01
76) Chrysene-d12	21.630	240	1139399	20.000	ng	-0.02
86) Perylene-d12	25.001	264	1287992	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	1305735	125.092	ng	0.00
7) Phenol-d6	6.960	99	1606270	120.026	ng	0.00
23) Nitrobenzene-d5	8.919	82	997167	75.784	ng	-0.02
42) 2,4,6-Tribromophenol	15.913	330	703438	122.987	ng	0.00
45) 2-Fluorobiphenyl	13.001	172	2279423	73.312	ng	-0.02
79) Terphenyl-d14	19.907	244	4365584	70.100	ng	-0.01

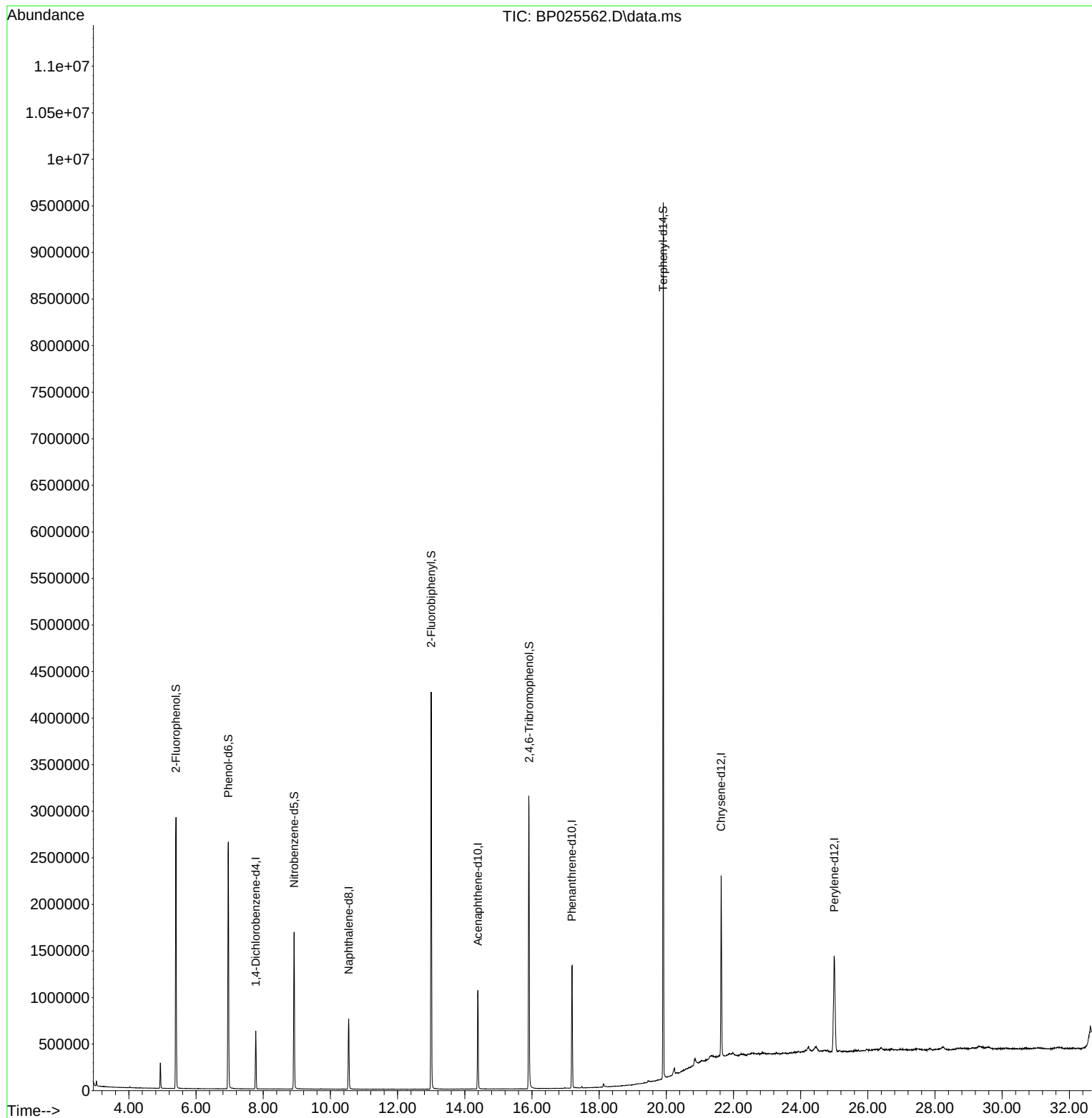
Target Compounds	Qvalue

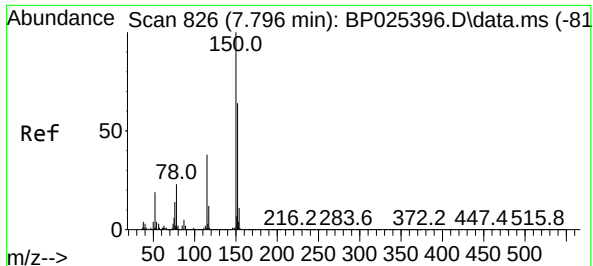
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
Data File : BP025562.D
Acq On : 25 Aug 2025 12:54
Operator : CG/JU
Sample : PB169362BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169362BL

Quant Time: Aug 25 13:15:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

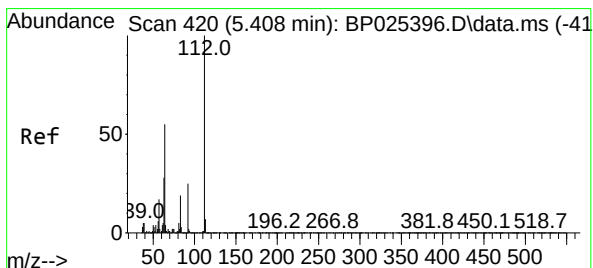
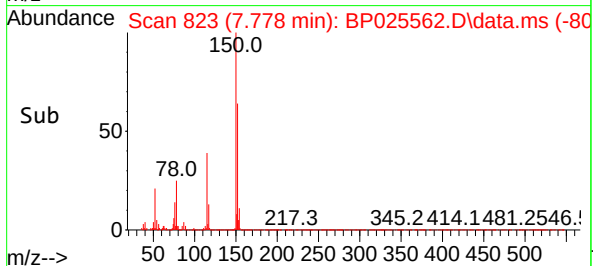
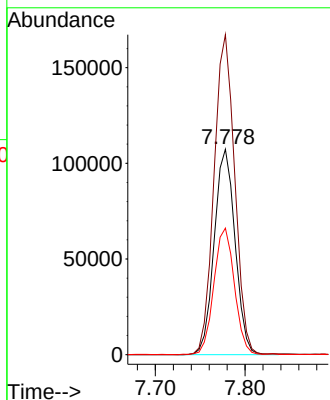
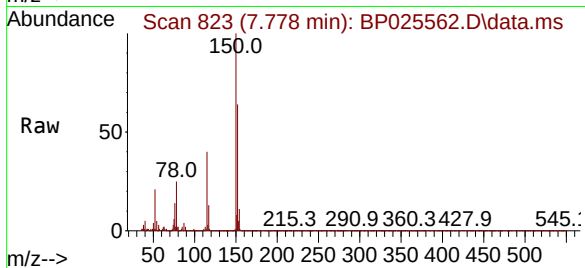




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.778 min Scan# 81
Delta R.T. -0.018 min
Lab File: BP025562.D
Acq: 25 Aug 2025 12:54

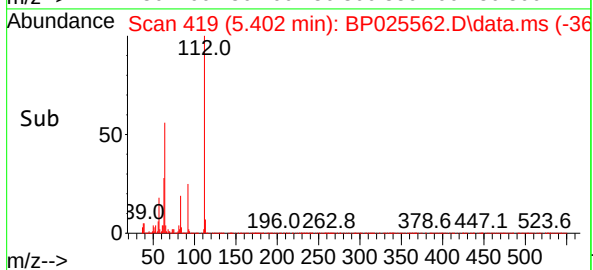
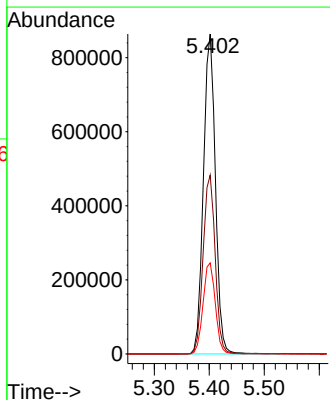
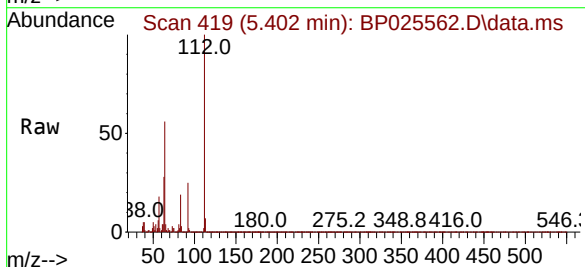
Instrument :
BNA_P
ClientSampleId :
PB169362BL

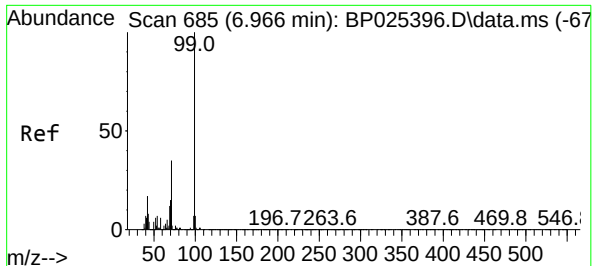
Tgt Ion:152 Resp: 173347
Ion Ratio Lower Upper
152 100
150 155.7 125.9 188.9
115 61.6 48.5 72.7



#5
2-Fluorophenol
Concen: 125.092 ng
RT: 5.402 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025562.D
Acq: 25 Aug 2025 12:54

Tgt Ion:112 Resp: 1305735
Ion Ratio Lower Upper
112 100
64 55.9 43.8 65.8
63 28.5 22.7 34.1

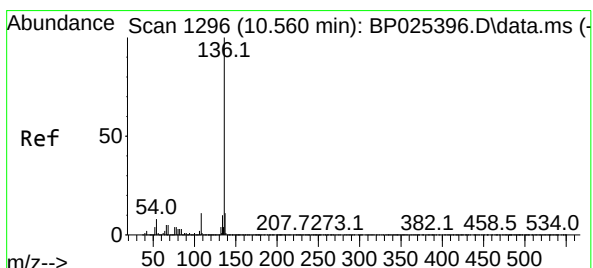
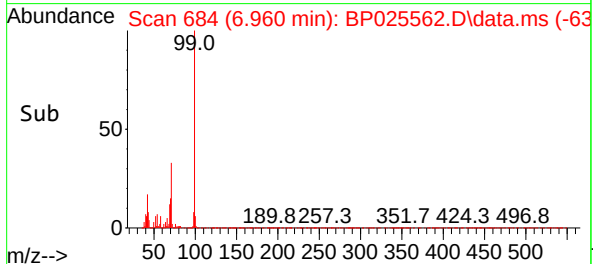
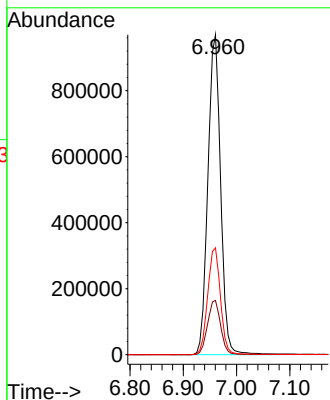
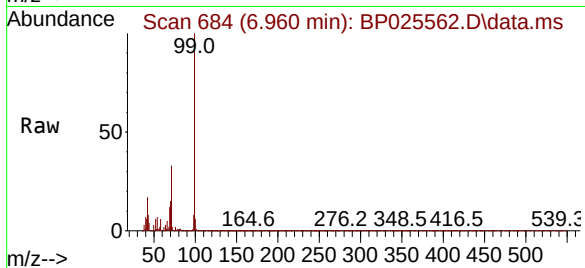




#7
Phenol-d6
Concen: 120.026 ng
RT: 6.960 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025562.D
Acq: 25 Aug 2025 12:54

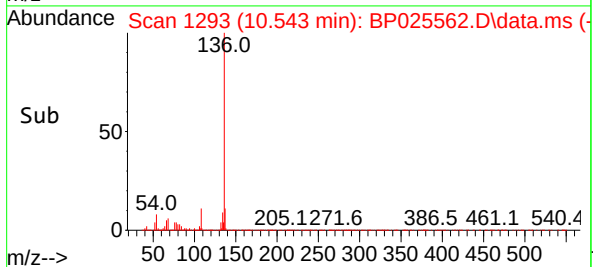
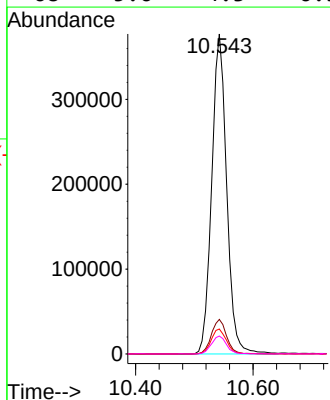
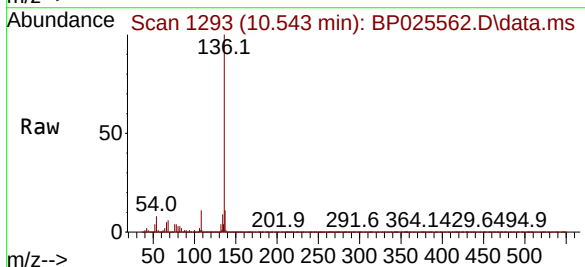
Instrument :
BNA_P
ClientSampleId :
PB169362BL

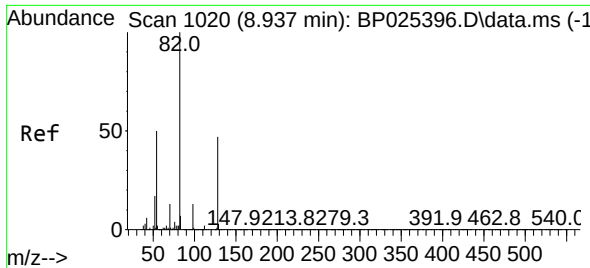
Tgt Ion: 99 Resp: 1606270
Ion Ratio Lower Upper
99 100
42 17.0 13.7 20.5
71 33.4 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.543 min Scan# 1293
Delta R.T. -0.018 min
Lab File: BP025562.D
Acq: 25 Aug 2025 12:54

Tgt Ion: 136 Resp: 665603
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 7.8 6.0 9.0
68 5.6 4.3 6.5





#23

Nitrobenzene-d5

Concen: 75.784 ng

RT: 8.919 min Scan# 1017

Delta R.T. -0.018 min

Lab File: BP025562.D

Acq: 25 Aug 2025 12:54

Instrument :

BNA_P

ClientSampleId :

PB169362BL

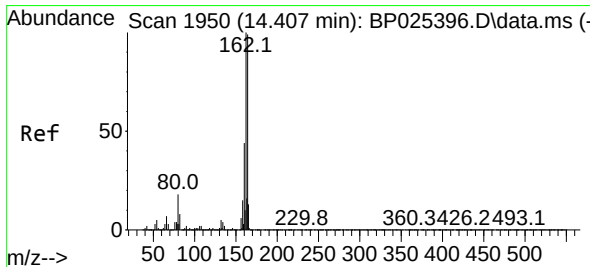
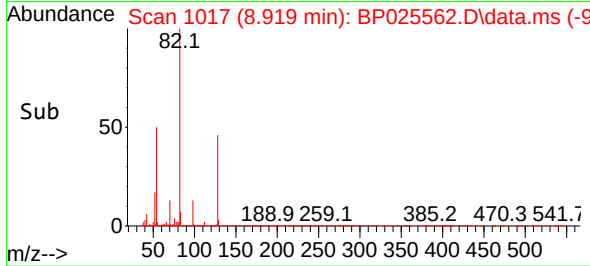
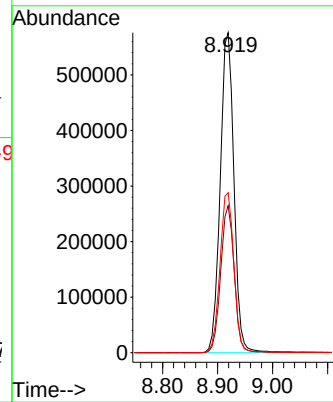
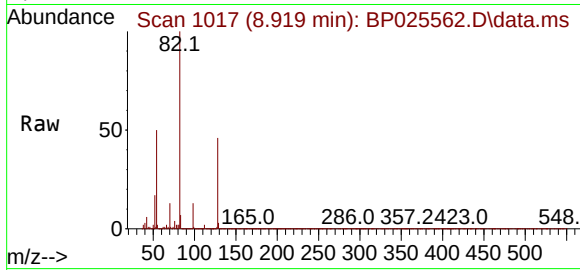
Tgt Ion: 82 Resp: 997167

Ion Ratio Lower Upper

82 100

128 46.0 37.7 56.5

54 50.0 39.8 59.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.389 min Scan# 1947

Delta R.T. -0.018 min

Lab File: BP025562.D

Acq: 25 Aug 2025 12:54

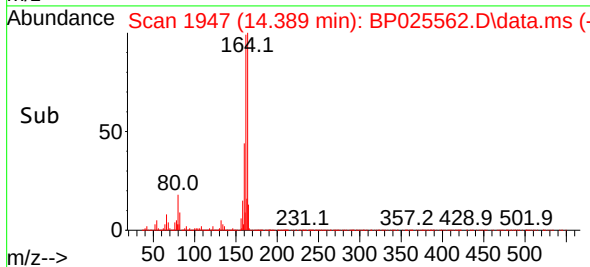
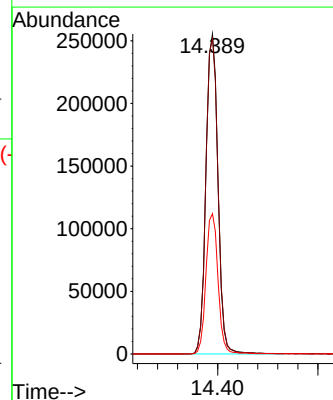
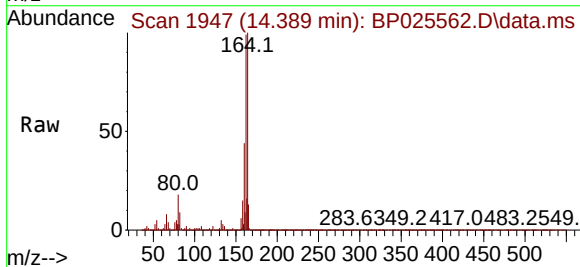
Tgt Ion: 164 Resp: 424932

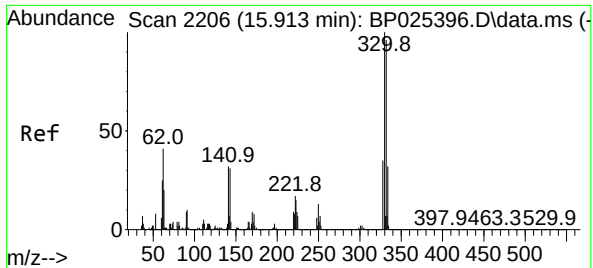
Ion Ratio Lower Upper

164 100

162 98.6 81.0 121.6

160 43.8 35.4 53.2

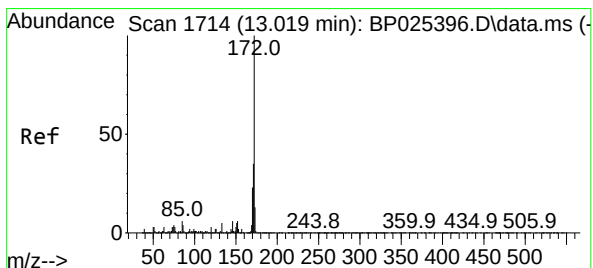
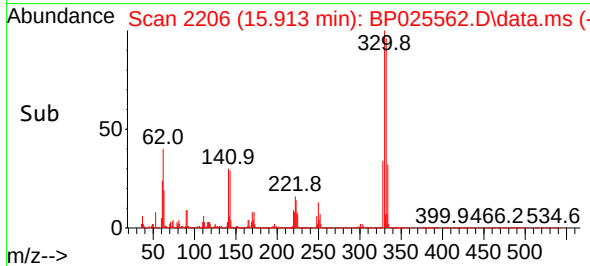
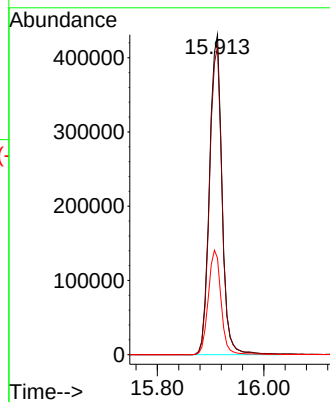
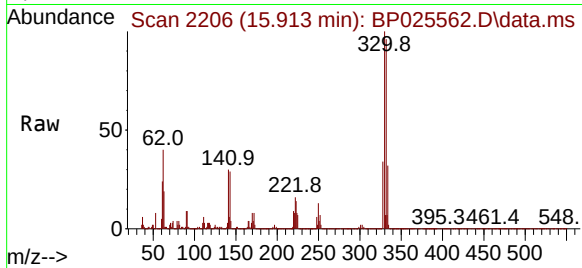




#42
2,4,6-Tribromophenol
Concen: 122.987 ng
RT: 15.913 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025562.D
Acq: 25 Aug 2025 12:54

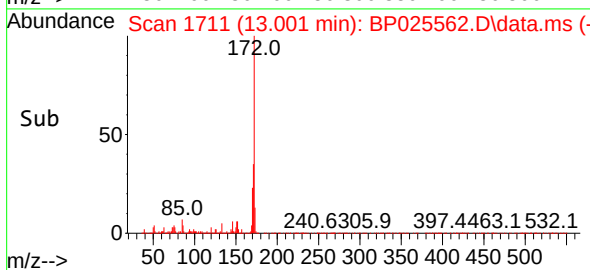
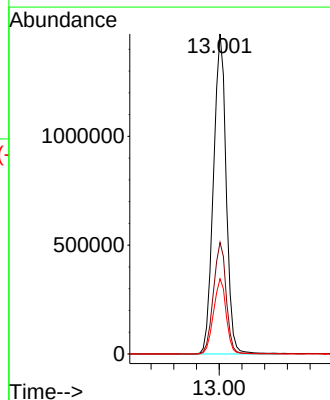
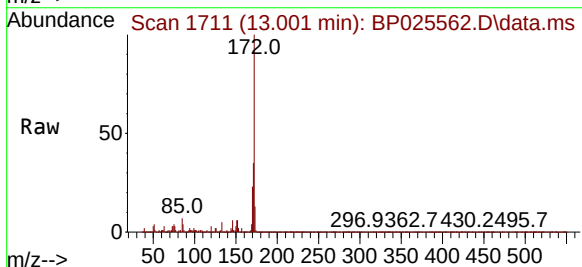
Instrument :
BNA_P
ClientSampleId :
PB169362BL

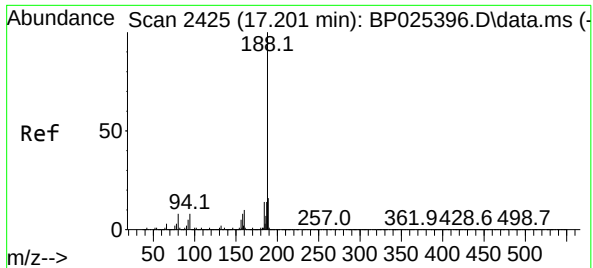
Tgt Ion:330 Resp: 703438
Ion Ratio Lower Upper
330 100
332 96.7 77.3 115.9
141 33.4 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 73.312 ng
RT: 13.001 min Scan# 1711
Delta R.T. -0.018 min
Lab File: BP025562.D
Acq: 25 Aug 2025 12:54

Tgt Ion:172 Resp: 2279423
Ion Ratio Lower Upper
172 100
171 34.8 28.1 42.1
170 23.5 18.6 28.0

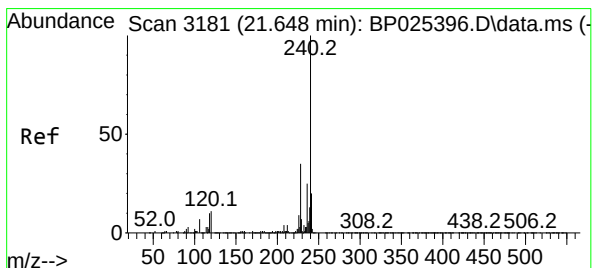
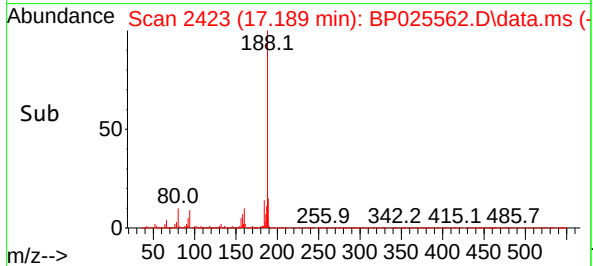
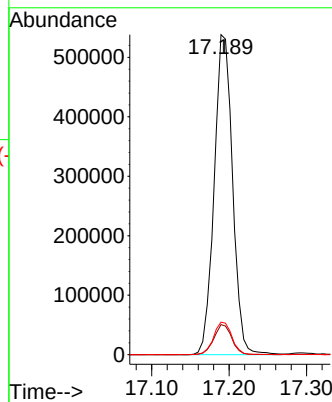
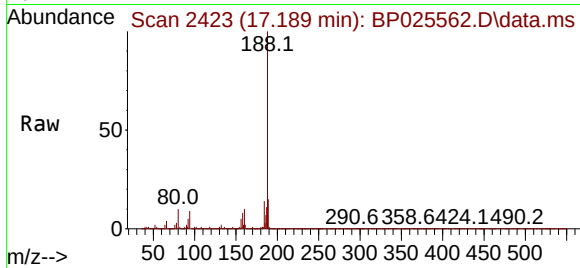




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BP025562.D
Acq: 25 Aug 2025 12:54

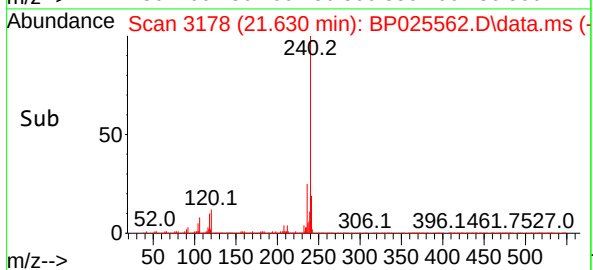
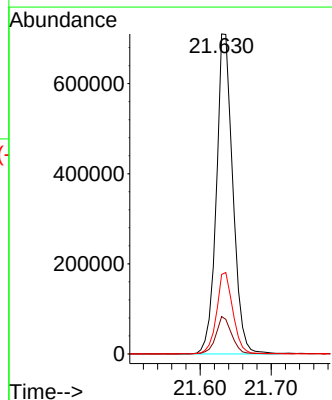
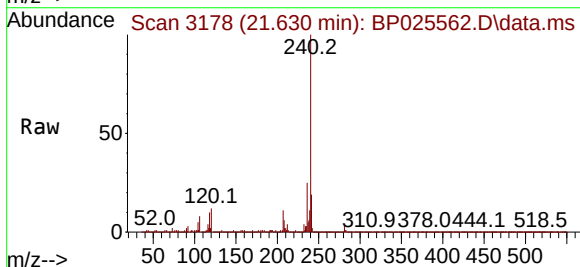
Instrument :
BNA_P
ClientSampleId :
PB169362BL

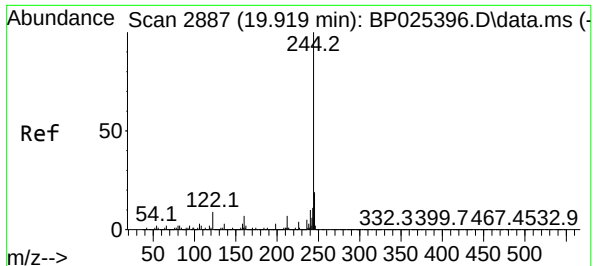
Tgt Ion:188 Resp: 890876
Ion Ratio Lower Upper
188 100
94 9.4 6.6 10.0
80 10.2 6.7 10.1#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.018 min
Lab File: BP025562.D
Acq: 25 Aug 2025 12:54

Tgt Ion:240 Resp: 1139399
Ion Ratio Lower Upper
240 100
120 11.7 8.9 13.3
236 24.9 19.8 29.8

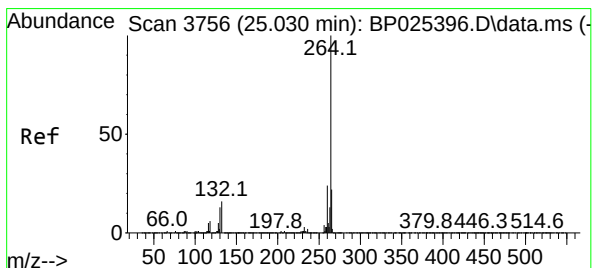
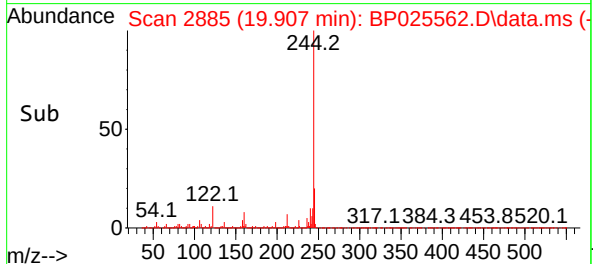
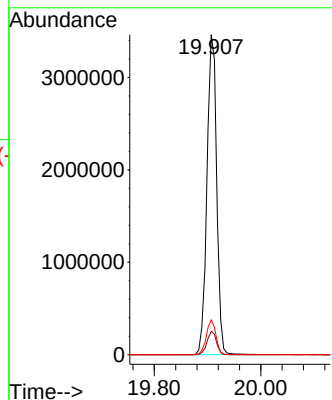
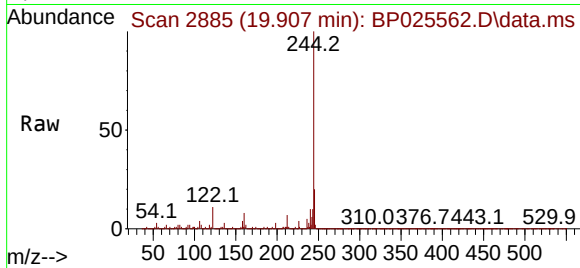




#79
Terphenyl-d14
Concen: 70.100 ng
RT: 19.907 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025562.D
Acq: 25 Aug 2025 12:54

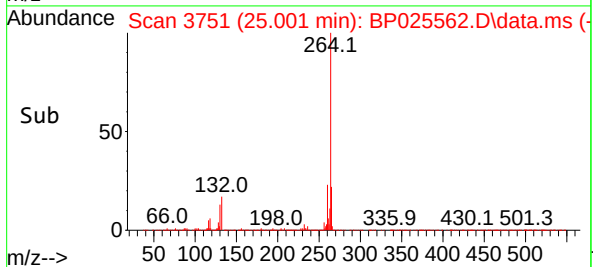
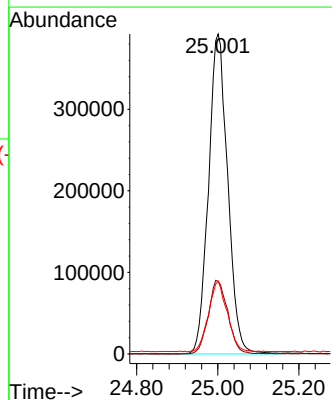
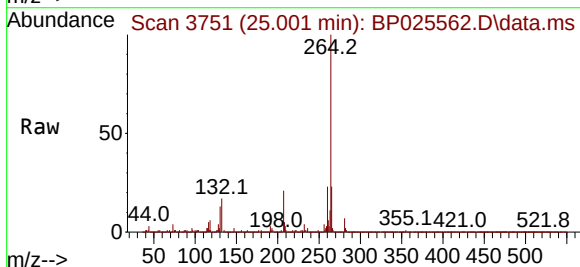
Instrument :
BNA_P
ClientSampleId :
PB169362BL

Tgt Ion:244 Resp: 4365584
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.6
122 10.9 7.4 11.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.001 min Scan# 3751
Delta R.T. -0.029 min
Lab File: BP025562.D
Acq: 25 Aug 2025 12:54

Tgt Ion:264 Resp: 1287992
Ion Ratio Lower Upper
264 100
260 22.7 19.3 28.9
265 22.8 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
Data File : BP025562.D
Acq On : 25 Aug 2025 12:54
Operator : CG/JU
Sample : PB169362BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169362BL

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025562.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.937	334	340	349	rBV	274048	385712	3.26%	0.792%
2	5.402	412	419	431	rBV	2910782	4425282	37.38%	9.085%
3	6.960	676	684	699	rBV	2650857	4451825	37.60%	9.139%
4	7.778	814	823	830	rBV	622696	996709	8.42%	2.046%
5	8.919	1008	1017	1031	rBV	1686610	2946761	24.89%	6.050%
6	10.543	1283	1293	1304	rBV	757756	1350823	11.41%	2.773%
7	13.001	1703	1711	1726	rBV	4265384	6557684	55.39%	13.463%
8	14.389	1939	1947	1962	rBV	1060124	1793337	15.15%	3.682%
9	15.907	2196	2205	2228	rBV	3145653	5351311	45.20%	10.986%
10	17.195	2416	2424	2437	rBV2	1317090	2227676	18.82%	4.573%
11	19.907	2879	2885	2898	rBV	9406868	11839617	100.00%	24.306%
12	21.630	3173	3178	3190	rVB	1930449	3042992	25.70%	6.247%
13	24.995	3742	3750	3765	rVB	1019950	3340202	28.21%	6.857%

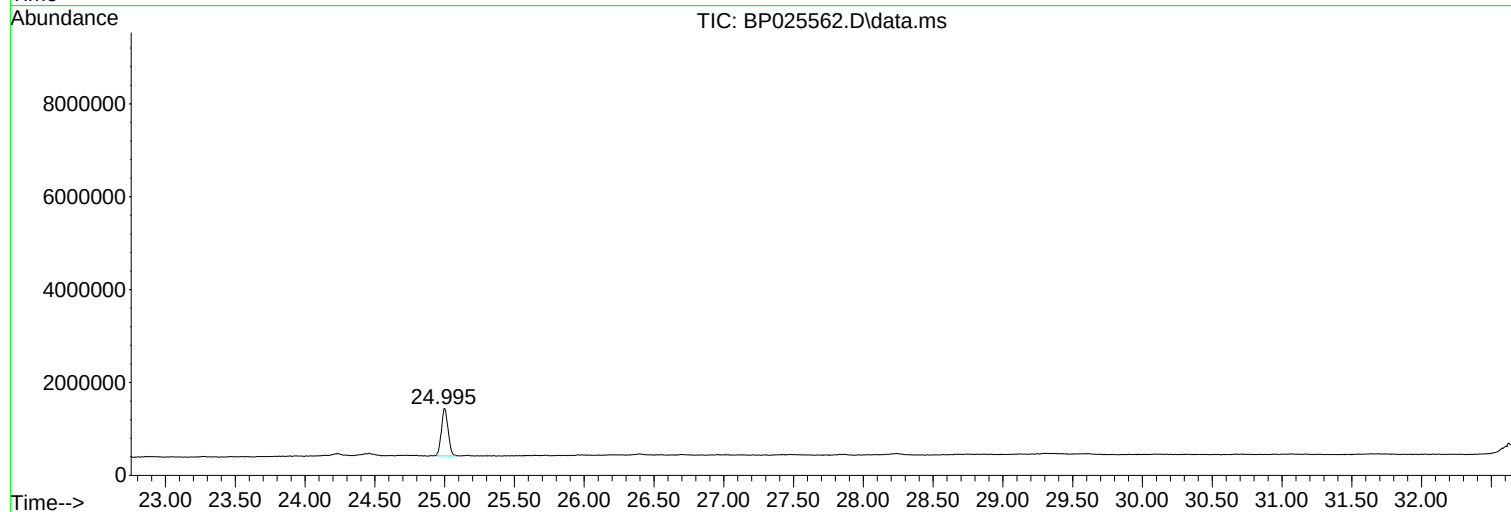
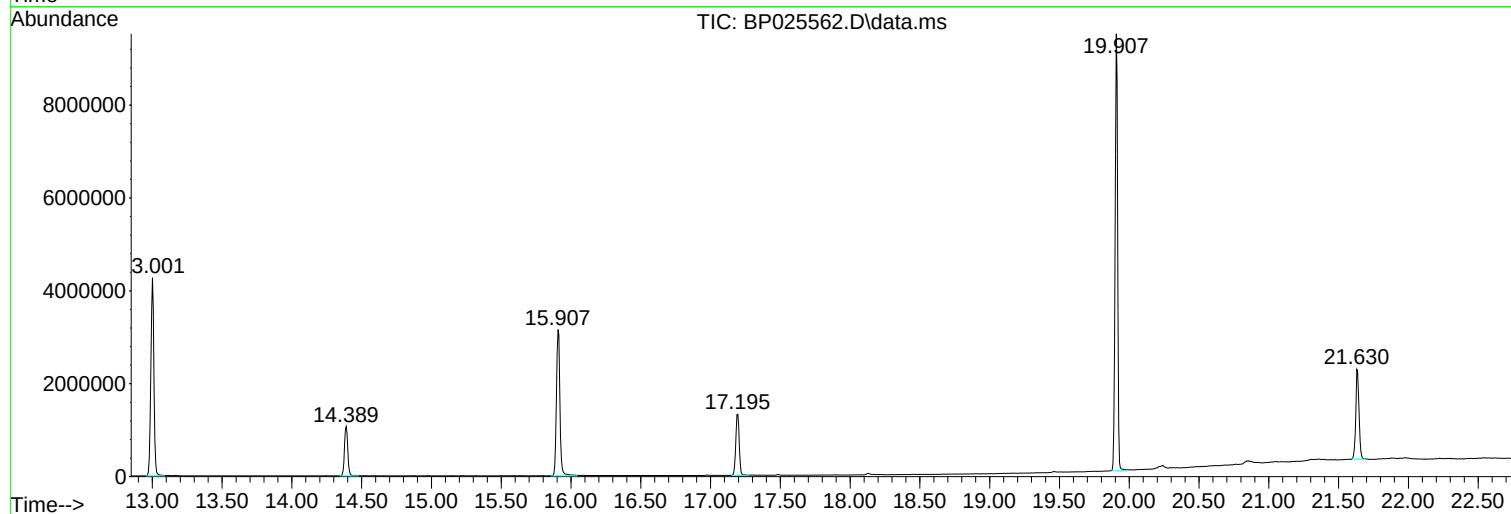
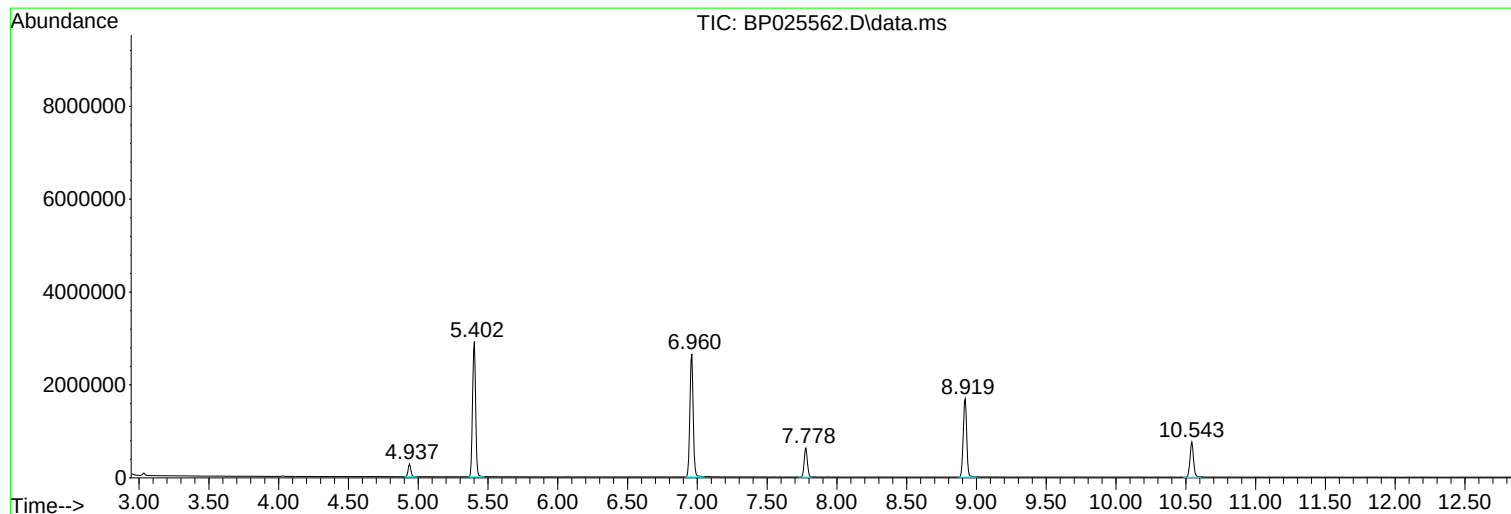
Sum of corrected areas: 48709931

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
Data File : BP025562.D
Acq On : 25 Aug 2025 12:54
Operator : CG/JU
Sample : PB169362BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169362BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
Data File : BP025562.D
Acq On : 25 Aug 2025 12:54
Operator : CG/JU
Sample : PB169362BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169362BL

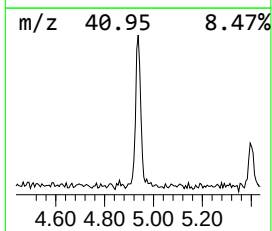
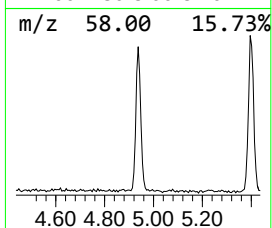
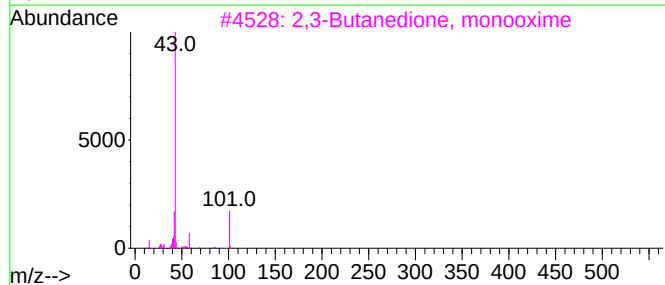
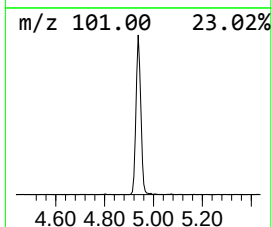
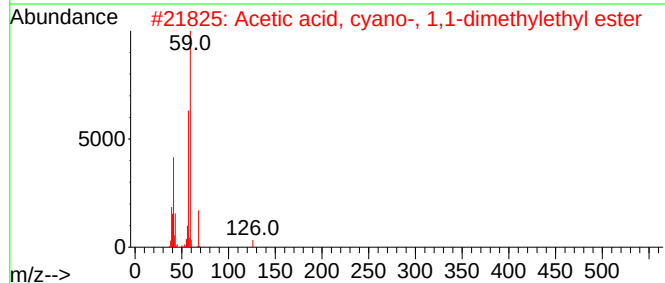
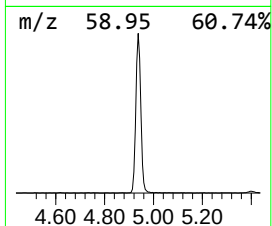
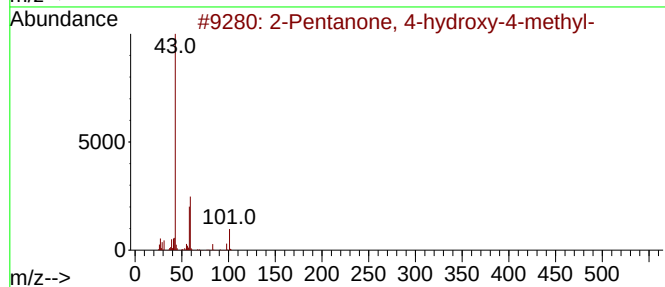
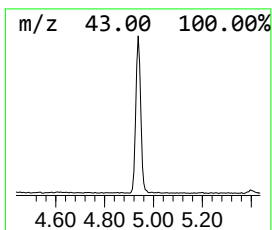
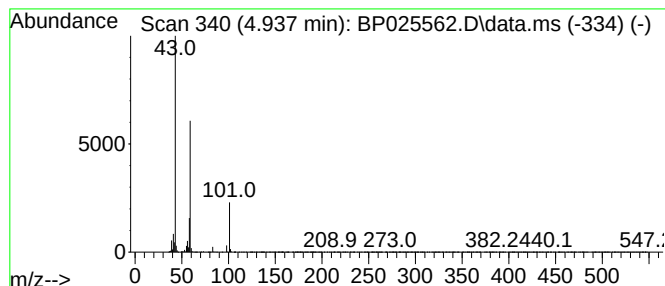
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.937	7.74 ng	385712	1,4-Dichlorobenzene-d4	7.778

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5			Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
Data File : BP025562.D
Acq On : 25 Aug 2025 12:54
Operator : CG/JU
Sample : PB169362BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169362BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	4.937	7.7	ng	385712	1	7.778	996709	20.0

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169362BS	SDG No.:	Q2934
Lab Sample ID:	PB169362BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025581.D	1	08/22/25 10:34	08/26/25 11:44	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	22.9		3.90	10.0	ug/L
108-95-2	Phenol	41.7		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	40.1		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	41.6		0.58	5.00	ug/L
95-48-7	2-Methylphenol	41.0		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	39.7		1.30	5.00	ug/L
98-86-2	Acetophenone	39.8		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	39.8		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	36.5		1.40	2.50	ug/L
67-72-1	Hexachloroethane	40.3		0.65	5.00	ug/L
98-95-3	Nitrobenzene	41.1		0.76	5.00	ug/L
78-59-1	Isophorone	39.2		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	42.7		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	42.3		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	40.1		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	43.3		0.52	5.00	ug/L
91-20-3	Naphthalene	39.7		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	23.9		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	40.8		0.54	5.00	ug/L
105-60-2	Caprolactam	39.6		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	42.3		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	39.4		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	81.0	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	44.1		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	44.6		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	41.8		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	40.9		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	44.0		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	41.0		0.61	5.00	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169362BS	SDG No.:	Q2934
Lab Sample ID:	PB169362BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025581.D	1	08/22/25 10:34	08/26/25 11:44	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	40.9		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	43.4		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	31.2		1.10	5.00	ug/L
83-32-9	Acenaphthene	39.5		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	100	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	82.1	E	2.40	10.0	ug/L
132-64-9	Dibenzofuran	40.2		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	43.7		1.20	5.00	ug/L
84-66-2	Diethylphthalate	41.5		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	40.1		0.68	5.00	ug/L
86-73-7	Fluorene	40.2		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	41.1		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	46.7		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	42.8		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	42.2		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	42.0		0.52	5.00	ug/L
1912-24-9	Atrazine	41.7		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	86.9	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	40.9		0.50	5.00	ug/L
120-12-7	Anthracene	41.4		0.61	5.00	ug/L
86-74-8	Carbazole	40.8		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	41.6		1.20	5.00	ug/L
206-44-0	Fluoranthene	40.0		0.82	5.00	ug/L
129-00-0	Pyrene	43.4		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	44.3		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	31.9		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	42.2		0.45	5.00	ug/L
218-01-9	Chrysene	41.7		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	42.7		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	43.7		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	41.7		0.49	5.00	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169362BS	SDG No.:	Q2934
Lab Sample ID:	PB169362BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025581.D	1	08/22/25 10:34	08/26/25 11:44	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	41.8		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	41.6		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	41.4		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	41.8		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	41.4		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	42.0		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	34.9		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	43.0		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	116		15 (23) - 110 (138)	77%	SPK: 150
13127-88-3	Phenol-d6	113		15 (10) - 110 (134)	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	72.1		30 (67) - 130 (132)	72%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.9		30 (52) - 130 (132)	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	119		15 (44) - 110 (137)	80%	SPK: 150
1718-51-0	Terphenyl-d14	75.5		30 (42) - 130 (152)	75%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	256000	7.778			
1146-65-2	Naphthalene-d8	1000000	10.549			
15067-26-2	Acenaphthene-d10	636000	14.407			
1517-22-2	Phenanthrene-d10	1240000	17.195			
1719-03-5	Chrysene-d12	1180000	21.63			
1520-96-3	Perylene-d12	1320000	24.989			

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\BP082625\
 Data File : BP025581.D
 Acq On : 26 Aug 2025 11:44
 Operator : CG/JU
 Sample : PB169362BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB169362BS

Quant Time: Aug 26 12:07:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	256194	20.000	ng	-0.02
21) Naphthalene-d8	10.549	136	1004578	20.000	ng	-0.01
39) Acenaphthene-d10	14.407	164	636349	20.000	ng	0.00
64) Phenanthrene-d10	17.195	188	1239646	20.000	ng	0.00
76) Chrysene-d12	21.630	240	1177566	20.000	ng	-0.02
86) Perylene-d12	24.989	264	1318341	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	1791887	116.154	ng	0.00
7) Phenol-d6	6.972	99	2226832	112.588	ng	0.00
23) Nitrobenzene-d5	8.925	82	1431478	72.082	ng	-0.01
42) 2,4,6-Tribromophenol	15.919	330	1021885	119.305	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	3299304	70.859	ng	0.00
79) Terphenyl-d14	19.919	244	4858385	75.484	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	211063	34.929	ng	98
3) Pyridine	3.726	79	587186	35.502	ng	97
4) n-Nitrosodimethylamine	3.631	42	280989	41.209	ng	97
6) Aniline	7.114	93	795779	29.862	ng	97
8) 2-Chlorophenol	7.355	128	723872	41.581	ng	98
9) Benzaldehyde	6.931	77	317953	22.945	ng	97
10) Phenol	7.002	94	864737	41.666	ng	99
11) bis(2-Chloroethyl)ether	7.208	93	648453	40.087	ng	99
12) 1,3-Dichlorobenzene	7.672	146	767314	39.973	ng	100
13) 1,4-Dichlorobenzene	7.814	146	784585	39.989	ng	99
14) 1,2-Dichlorobenzene	8.125	146	755735	39.791	ng	99
15) Benzyl Alcohol	8.014	79	617462	39.290	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.302	45	860354	39.703	ng	100
17) 2-Methylphenol	8.231	107	591057	41.006	ng	99
18) Hexachloroethane	8.855	117	291012	40.340	ng	95
19) n-Nitroso-di-n-propyla...	8.578	70	477539	36.451	ng	99
20) 3+4-Methylphenols	8.555	107	794684	39.774	ng	99
22) Acetophenone	8.596	105	1002924	39.810	ng	# 99
24) Nitrobenzene	8.966	77	730033	41.133	ng	99
25) Isophorone	9.490	82	1378210	39.215	ng	98
26) 2-Nitrophenol	9.666	139	389055	42.713	ng	97
27) 2,4-Dimethylphenol	9.737	122	662704	42.307	ng	99
28) bis(2-Chloroethoxy)met...	9.961	93	850880	40.052	ng	99
29) 2,4-Dichlorophenol	10.208	162	673024	43.252	ng	98
30) 1,2,4-Trichlorobenzene	10.413	180	685300	40.176	ng	99
31) Naphthalene	10.602	128	2075445	39.749	ng	99
32) Benzoic acid	9.908	122	524790	45.380	ng	98
33) 4-Chloroaniline	10.708	127	551600	23.916	ng	99
34) Hexachlorobutadiene	10.878	225	433221	40.781	ng	100
35) Caprolactam	11.502	113	225808	39.576	ng	97
36) 4-Chloro-3-methylphenol	11.843	107	755078	42.289	ng	98
37) 2-Methylnaphthalene	12.207	142	1339301	39.416	ng	98
38) 1-Methylnaphthalene	12.425	142	1381572	38.233	ng	99
40) 1,2,4,5-Tetrachloroben...	12.578	216	771235	41.964	ng	99
41) Hexachlorocyclopentadiene	12.560	237	899638	81.039	ng	99
43) 2,4,6-Trichlorophenol	12.819	196	546655	44.058	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082625\
 Data File : BP025581.D
 Acq On : 26 Aug 2025 11:44
 Operator : CG/JU
 Sample : PB169362BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB169362BS

Quant Time: Aug 26 12:07:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.902	196	606774	44.621	ng	99
46) 1,1'-Biphenyl	13.219	154	1931665	41.797	ng	99
47) 2-Chloronaphthalene	13.266	162	1472263	40.921	ng	99
48) 2-Nitroaniline	13.466	65	461040	43.979	ng	98
49) Acenaphthylene	14.119	152	2435658	40.912	ng	100
50) Dimethylphthalate	13.854	163	1911307	41.016	ng	100
51) 2,6-Dinitrotoluene	13.972	165	426287	43.402	ng	99
52) Acenaphthene	14.466	154	1380494	39.505	ng	98
53) 3-Nitroaniline	14.307	138	345007	31.221	ng	97
54) 2,4-Dinitrophenol	14.519	184	533837	101.778	ng	95
55) Dibenzofuran	14.801	168	2222480	40.227	ng	99
56) 4-Nitrophenol	14.643	139	745489	82.098	ng	95
57) 2,4-Dinitrotoluene	14.766	165	611705	43.652	ng	96
58) Fluorene	15.460	166	1754062	40.236	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.037	232	516718	43.035	ng	99
60) Diethylphthalate	15.237	149	1963954	41.478	ng	99
61) 4-Chlorophenyl-phenyle...	15.460	204	869582	40.107	ng	99
62) 4-Nitroaniline	15.484	138	465461	41.087	ng	98
63) Azobenzene	15.766	77	1705622	42.069	ng	99
65) 4,6-Dinitro-2-methylph...	15.543	198	360561	46.660	ng	97
66) n-Nitrosodiphenylamine	15.684	169	1617614	42.792	ng	99
67) 4-Bromophenyl-phenylether	16.378	248	576012	42.249	ng	100
68) Hexachlorobenzene	16.495	284	664199	42.026	ng	98
69) Atrazine	16.660	200	590609	41.719	ng	100
70) Pentachlorophenol	16.843	266	866823	86.886	ng	96
71) Phenanthrene	17.242	178	2783407	40.874	ng	99
72) Anthracene	17.337	178	2880596	41.423	ng	100
73) Carbazole	17.613	167	2673601	40.817	ng	100
74) Di-n-butylphthalate	18.201	149	3353500	41.612	ng	99
75) Fluoranthene	19.319	202	3247240	39.976	ng	99
77) Benzidine	19.519	184	1596713	39.731	ng	99
78) Pyrene	19.695	202	3319660	43.373	ng	99
80) Butylbenzylphthalate	20.642	149	1537154	44.314	ng	99
81) Benzo(a)anthracene	21.607	228	3274508	42.164	ng	99
82) 3,3'-Dichlorobenzidine	21.536	252	934179	31.914	ng	99
83) Chrysene	21.678	228	3029858	41.659	ng	99
84) Bis(2-ethylhexyl)phtha...	21.554	149	2179550	42.684	ng	100
85) Di-n-octyl phthalate	22.836	149	3839151	43.711	ng	99
87) Indeno(1,2,3-cd)pyrene	28.854	276	4001108	41.384	ng	# 95
88) Benzo(b)fluoranthene	23.948	252	3243383	41.722	ng	99
89) Benzo(k)fluoranthene	24.019	252	3250836	41.789	ng	99
90) Benzo(a)pyrene	24.848	252	3144868	41.559	ng	99
91) Dibenzo(a,h)anthracene	28.918	278	3304493	41.824	ng	98
92) Benzo(g,h,i)perylene	30.024	276	3213416	41.376	ng	99

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

Instrument :
BNA_P
ClientSampleId :
PB169362BS

[illegible]

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/20/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/20/25
Client Sample ID:	MW-201-082025MS	SDG No.:	Q2934
Lab Sample ID:	Q2924-03MS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025602.D	1	08/22/25 10:34	08/27/25 14:18	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	38.4		4.00	10.3	ug/L
108-95-2	Phenol	16.0		0.94	5.20	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.3		0.84	5.20	ug/L
95-57-8	2-Chlorophenol	39.6		0.60	5.20	ug/L
95-48-7	2-Methylphenol	33.8		1.20	5.20	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	17.1		1.30	5.20	ug/L
98-86-2	Acetophenone	87.5	E	0.76	5.20	ug/L
65794-96-9	3+4-Methylphenols	40.9		1.10	10.3	ug/L
621-64-7	n-Nitroso-di-n-propylamine	42.2		1.50	2.60	ug/L
67-72-1	Hexachloroethane	93.2	E	0.67	5.20	ug/L
98-95-3	Nitrobenzene	85.8	E	0.78	5.20	ug/L
78-59-1	Isophorone	81.7		0.77	5.20	ug/L
88-75-5	2-Nitrophenol	86.6	E	1.80	5.20	ug/L
105-67-9	2,4-Dimethylphenol	75.6		1.90	5.20	ug/L
111-91-1	bis(2-Chloroethoxy)methane	70.3		0.70	5.20	ug/L
120-83-2	2,4-Dichlorophenol	80.6		0.54	5.20	ug/L
91-20-3	Naphthalene	2700	E	0.52	5.20	ug/L
106-47-8	4-Chloroaniline	28.5		0.87	5.20	ug/L
87-68-3	Hexachlorobutadiene	71.5		0.56	5.20	ug/L
105-60-2	Caprolactam	16.7		1.20	10.3	ug/L
59-50-7	4-Chloro-3-methylphenol	76.5		0.61	5.20	ug/L
91-57-6	2-Methylnaphthalene	800	E	0.58	5.20	ug/L
77-47-4	Hexachlorocyclopentadiene	79.7		3.70	10.3	ug/L
88-06-2	2,4,6-Trichlorophenol	50.2		0.53	5.20	ug/L
95-95-4	2,4,5-Trichlorophenol	49.4		0.64	5.20	ug/L
92-52-4	1,1-Biphenyl	69.6		0.55	5.20	ug/L
91-58-7	2-Chloronaphthalene	48.9		0.63	5.20	ug/L
88-74-4	2-Nitroaniline	54.1		1.30	5.20	ug/L
131-11-3	Dimethylphthalate	48.7		0.63	5.20	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/20/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/20/25
Client Sample ID:	MW-201-082025MS	SDG No.:	Q2934
Lab Sample ID:	Q2924-03MS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025602.D	1	08/22/25 10:34	08/27/25 14:18	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	190	E	0.77	5.20	ug/L
606-20-2	2,6-Dinitrotoluene	51.4		0.95	5.20	ug/L
99-09-2	3-Nitroaniline	31.7		1.10	5.20	ug/L
83-32-9	Acenaphthene	54.7		0.57	5.20	ug/L
51-28-5	2,4-Dinitrophenol	120	E	6.20	10.3	ug/L
100-02-7	4-Nitrophenol	42.0		2.50	10.3	ug/L
132-64-9	Dibenzofuran	51.3		0.63	5.20	ug/L
121-14-2	2,4-Dinitrotoluene	53.3		1.30	5.20	ug/L
84-66-2	Diethylphthalate	50.3		0.71	5.20	ug/L
7005-72-3	4-Chlorophenyl-phenylether	48.5		0.70	5.20	ug/L
86-73-7	Fluorene	67.1		0.65	5.20	ug/L
100-01-6	4-Nitroaniline	48.5		1.50	5.20	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	55.1		3.00	10.3	ug/L
86-30-6	n-Nitrosodiphenylamine	51.1		0.60	5.20	ug/L
101-55-3	4-Bromophenyl-phenylether	51.5		0.41	5.20	ug/L
118-74-1	Hexachlorobenzene	52.5		0.54	5.20	ug/L
1912-24-9	Atrazine	47.8		1.00	5.20	ug/L
87-86-5	Pentachlorophenol	110	E	1.60	10.3	ug/L
85-01-8	Phenanthrene	65.4		0.52	5.20	ug/L
120-12-7	Anthracene	53.4		0.63	5.20	ug/L
86-74-8	Carbazole	61.7		0.74	5.20	ug/L
84-74-2	Di-n-butylphthalate	51.3		1.30	5.20	ug/L
206-44-0	Fluoranthene	51.0		0.85	5.20	ug/L
129-00-0	Pyrene	50.5		0.52	5.20	ug/L
85-68-7	Butylbenzylphthalate	51.2		2.00	5.20	ug/L
91-94-1	3,3-Dichlorobenzidine	41.5		0.96	10.3	ug/L
56-55-3	Benzo(a)anthracene	49.5		0.46	5.20	ug/L
218-01-9	Chrysene	50.0		0.45	5.20	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	48.4		1.60	5.20	ug/L
117-84-0	Di-n-octyl phthalate	51.0		2.40	10.3	ug/L
205-99-2	Benzo(b)fluoranthene	50.0		0.51	5.20	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/20/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/20/25
Client Sample ID:	MW-201-082025MS	SDG No.:	Q2934
Lab Sample ID:	Q2924-03MS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025602.D	1	08/22/25 10:34	08/27/25 14:18	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	49.1		0.49	5.20	ug/L
50-32-8	Benzo(a)pyrene	49.3		0.57	5.20	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	50.1		0.61	5.20	ug/L
53-70-3	Dibenzo(a,h)anthracene	51.0		0.69	5.20	ug/L
191-24-2	Benzo(g,h,i)perylene	50.2		0.71	5.20	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	50.1		0.54	5.20	ug/L
123-91-1	1,4-Dioxane	21.2		1.00	5.20	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	51.1		0.74	5.20	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	67.6		15 (23) - 110 (138)	45%	SPK: 150
13127-88-3	Phenol-d6	41.4		15 (10) - 110 (134)	28%	SPK: 150
4165-60-0	Nitrobenzene-d5	148	*	30 (67) - 130 (132)	148%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.6		30 (52) - 130 (132)	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	138		15 (44) - 110 (137)	92%	SPK: 150
1718-51-0	Terphenyl-d14	76.9		30 (42) - 130 (152)	77%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	177000	7.784			
1146-65-2	Naphthalene-d8	389000	10.566			
15067-26-2	Acenaphthene-d10	433000	14.389			
1517-22-2	Phenanthrene-d10	850000	17.189			
1719-03-5	Chrysene-d12	904000	21.636			
1520-96-3	Perylene-d12	1060000	25.001			

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\BP082725\
 Data File : BP025602.D
 Acq On : 27 Aug 2025 14:18
 Operator : CG/JU
 Sample : Q2924-03MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MW-201-082025MS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/28/2025
 Supervised By :Jagrut Upadhyay 08/28/2025

Quant Time: Aug 27 14:56:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	177033	20.000	ng	-0.01
21) Naphthalene-d8	10.566	136	389081m	20.000	ng	0.00
39) Acenaphthene-d10	14.389	164	432672	20.000	ng	-0.02
64) Phenanthrene-d10	17.189	188	850262	20.000	ng	-0.01
76) Chrysene-d12	21.636	240	903685	20.000	ng	-0.01
86) Perylene-d12	25.001	264	1056322	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.413	112	720276	67.567	ng	0.00
7) Phenol-d6	6.972	99	565271	41.360	ng	0.00
23) Nitrobenzene-d5	8.925	82	1139805	148.189	ng	-0.01
42) 2,4,6-Tribromophenol	15.907	330	802398	137.779	ng	0.00
45) 2-Fluorobiphenyl	13.001	172	2521559	79.649	ng	-0.02
79) Terphenyl-d14	19.919	244	3799180	76.917	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.325	88	86034	20.604	ng	97
3) Pyridine	3.725	79	216603	18.952	ng	96
4) n-Nitrosodimethylamine	3.631	42	114731	24.350	ng	# 94
6) Aniline	7.119	93	435007	23.623	ng	97
8) 2-Chlorophenol	7.360	128	461645	38.376	ng	100
9) Benzaldehyde	6.937	77	356363	37.216	ng	# 1
10) Phenol	7.002	94	223179	15.562	ng	85
11) bis(2-Chloroethyl)ether	7.213	93	480450	42.982	ng	# 82
12) 1,3-Dichlorobenzene	7.672	146	447780	33.758	ng	98
13) 1,4-Dichlorobenzene	7.819	146	456562	33.675	ng	100
14) 1,2-Dichlorobenzene	8.131	146	451271	34.385	ng	100
15) Benzyl Alcohol	8.043	79	330762	30.458	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.325	45	248133	16.571	ng	# 56
17) 2-Methylphenol	8.249	107	326777	32.808	ng	99
18) Hexachloroethane	8.866	117	450683	90.410	ng	# 55
19) n-Nitroso-di-n-propyla...	8.578	70	370268	40.900	ng	99
20) 3+4-Methylphenols	8.549	107	547488	39.655	ng	99
22) Acetophenone	8.596	105	828397	84.900	ng	98
24) Nitrobenzene	8.966	77	572174	83.237	ng	99
25) Isophorone	9.513	82	1078122	79.204	ng	99
26) 2-Nitrophenol	9.672	139	296181	83.956	ng	98
27) 2,4-Dimethylphenol	9.749	122	445083	73.364	ng	100
28) bis(2-Chloroethoxy)met...	9.990	93	561312	68.218	ng	97
29) 2,4-Dichlorophenol	10.231	162	471453	78.228	ng	97
30) 1,2,4-Trichlorobenzene	10.443	180	497208	75.260	ng	98
31) Naphthalene	10.607	128	53384471m	2639.830	ng	
32) Benzoic acid	9.872	122	137031	30.594	ng	95
33) 4-Chloroaniline	10.707	127	246679m	27.615	ng	
34) Hexachlorobutadiene	10.890	225	285321	69.347	ng	98
35) Caprolactam	11.513	113	35758	16.181	ng	90
36) 4-Chloro-3-methylphenol	11.837	107	513005	74.182	ng	95
37) 2-Methylnaphthalene	12.213	142	10166437	772.505	ng	97
38) 1-Methylnaphthalene	12.431	142	7289723	520.863	ng	99
40) 1,2,4,5-Tetrachloroben...	12.572	216	607380	48.606	ng	99
41) Hexachlorocyclopentadiene	12.554	237	583510	77.305	ng	99
43) 2,4,6-Trichlorophenol	12.813	196	410669	48.679	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082725\
 Data File : BP025602.D
 Acq On : 27 Aug 2025 14:18
 Operator : CG/JU
 Sample : Q2924-03MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MW-201-082025MS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/28/2025
 Supervised By :Jagrut Upadhyay 08/28/2025

Quant Time: Aug 27 14:56:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

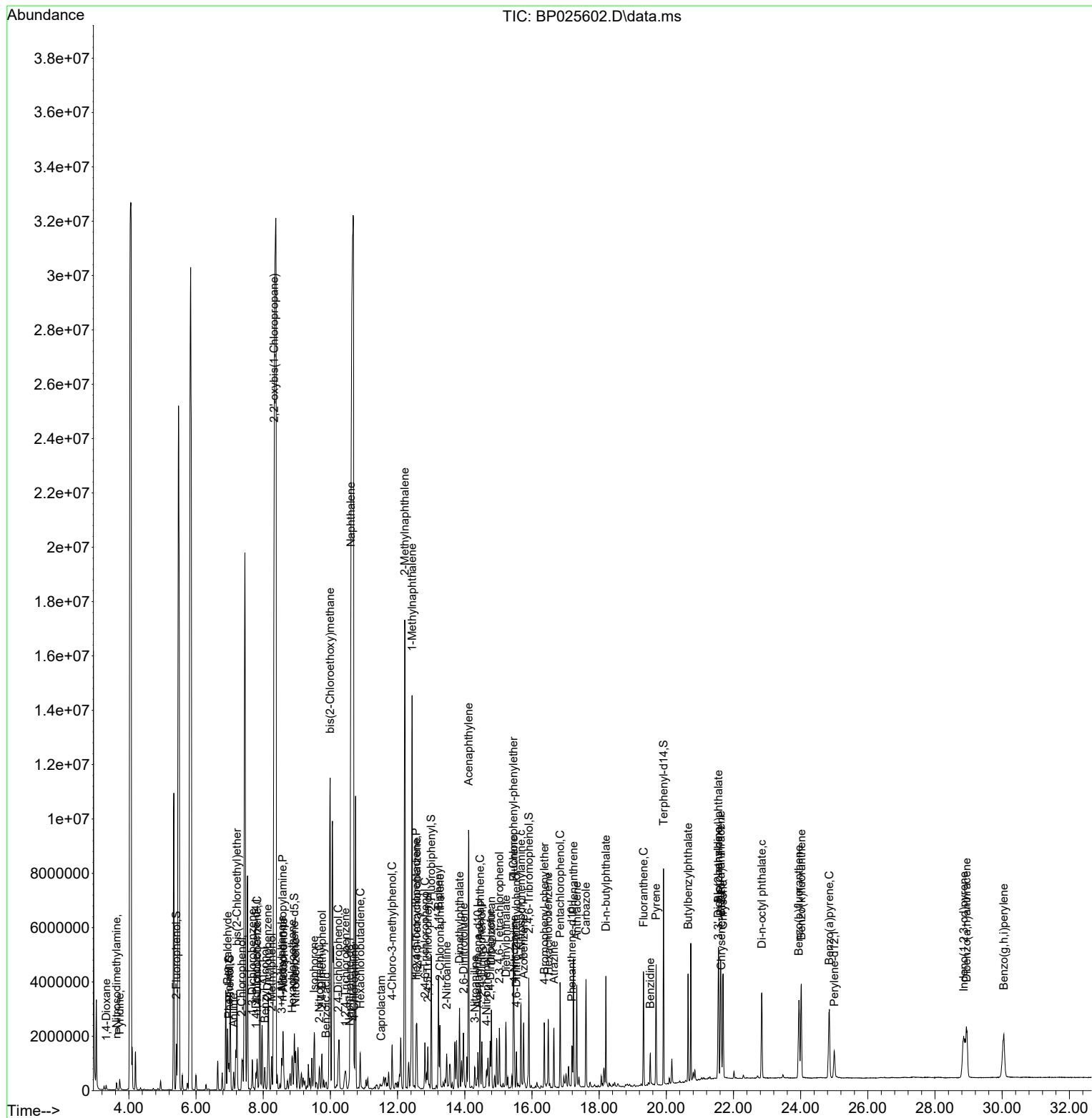
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	442682	47.879	ng	97
46) 1,1'-Biphenyl	13.219	154	2122145	67.534	ng	99
47) 2-Chloronaphthalene	13.260	162	1159450	47.397	ng	99
48) 2-Nitroaniline	13.460	65	373967	52.466	ng	99
49) Acenaphthylene	14.113	152	7330044	181.084	ng	98
50) Dimethylphthalate	13.842	163	1497485	47.263	ng	99
51) 2,6-Dinitrotoluene	13.966	165	332758	49.828	ng	96
52) Acenaphthene	14.454	154	1259575	53.012	ng	100
53) 3-Nitroaniline	14.295	138	230882	30.729	ng	98
54) 2,4-Dinitrophenol	14.507	184	407573	114.285	ng	99
55) Dibenzofuran	14.789	168	1868479	49.740	ng	100
56) 4-Nitrophenol	14.648	139	251770	40.778	ng	96
57) 2,4-Dinitrotoluene	14.760	165	492932	51.735	ng	98
58) Fluorene	15.454	166	1929806	65.105	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.031	232	404723m	49.575	ng	
60) Diethylphthalate	15.225	149	1570718	48.789	ng	99
61) 4-Chlorophenyl-phenyle...	15.448	204	693292	47.029	ng	99
62) 4-Nitroaniline	15.472	138	362177	47.020	ng	97
63) Azobenzene	15.754	77	1380374	50.074	ng	97
65) 4,6-Dinitro-2-methylph...	15.536	198	283344	53.460	ng	94
66) n-Nitrosodiphenylamine	15.672	169	1286193	49.606	ng	99
67) 4-Bromophenyl-phenylether	16.372	248	467298	49.971	ng	99
68) Hexachlorobenzene	16.483	284	552050	50.927	ng	98
69) Atrazine	16.654	200	450342	46.379	ng	98
70) Pentachlorophenol	16.836	266	715400	104.547	ng	98
71) Phenanthrene	17.236	178	2961334	63.401	ng	100
72) Anthracene	17.336	178	2472023	51.827	ng	100
73) Carbazole	17.607	167	2687128	59.810	ng	100
74) Di-n-butylphthalate	18.201	149	2751702	49.782	ng	100
75) Fluoranthene	19.319	202	2756444	49.475	ng	99
77) Benzidine	19.524	184	778981	25.258	ng	99
78) Pyrene	19.695	202	2876336	48.970	ng	99
80) Butylbenzylphthalate	20.648	149	1322126	49.666	ng	98
81) Benzo(a)anthracene	21.618	228	2864079	48.056	ng	100
82) 3,3'-Dichlorobenzidine	21.542	252	904366	40.258	ng	99
83) Chrysene	21.689	228	2708735	48.532	ng	99
84) Bis(2-ethylhexyl)phtha...	21.554	149	1840824	46.976	ng	99
85) Di-n-octyl phthalate	22.842	149	3331848	49.432	ng	99
87) Indeno(1,2,3-cd)pyrene	28.853	276	3764445m	48.595	ng	
88) Benzo(b)fluoranthene	23.948	252	3022805	48.529	ng	99
89) Benzo(k)fluoranthene	24.018	252	2971189	47.668	ng	99
90) Benzo(a)pyrene	24.854	252	2898626	47.806	ng	99
91) Dibenzo(a,h)anthracene	28.936	278	3130465	49.450	ng	98
92) Benzo(g,h,i)perylene	30.047	276	3028218	48.663	ng	99

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

Instrument :
BNA_P
ClientSampleId :
MW-201-082025MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/28/2025
Supervised By :Jaagrut Upadhyay 08/28/2025



Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/20/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/20/25
Client Sample ID:	MW-201-082025MSD	SDG No.:	Q2934
Lab Sample ID:	Q2924-04MSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	950 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025603.D	1	08/22/25 10:34	08/27/25 15:00	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	37.7		4.10	10.5	ug/L
108-95-2	Phenol	16.4		0.96	5.30	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.2		0.85	5.30	ug/L
95-57-8	2-Chlorophenol	39.6		0.61	5.30	ug/L
95-48-7	2-Methylphenol	34.5		1.20	5.30	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	18.4		1.30	5.30	ug/L
98-86-2	Acetophenone	90.6	E	0.78	5.30	ug/L
65794-96-9	3+4-Methylphenols	41.7		1.20	10.5	ug/L
621-64-7	n-Nitroso-di-n-propylamine	43.2		1.50	2.60	ug/L
67-72-1	Hexachloroethane	96.9	E	0.68	5.30	ug/L
98-95-3	Nitrobenzene	89.1	E	0.80	5.30	ug/L
78-59-1	Isophorone	85.0	E	0.79	5.30	ug/L
88-75-5	2-Nitrophenol	90.4	E	1.90	5.30	ug/L
105-67-9	2,4-Dimethylphenol	78.4		1.90	5.30	ug/L
111-91-1	bis(2-Chloroethoxy)methane	75.2		0.72	5.30	ug/L
120-83-2	2,4-Dichlorophenol	85.1	E	0.55	5.30	ug/L
91-20-3	Naphthalene	3000	E	0.53	5.30	ug/L
106-47-8	4-Chloroaniline	31.3		0.88	5.30	ug/L
87-68-3	Hexachlorobutadiene	74.8		0.57	5.30	ug/L
105-60-2	Caprolactam	17.0		1.20	10.5	ug/L
59-50-7	4-Chloro-3-methylphenol	79.4		0.62	5.30	ug/L
91-57-6	2-Methylnaphthalene	850	E	0.59	5.30	ug/L
77-47-4	Hexachlorocyclopentadiene	76.9		3.80	10.5	ug/L
88-06-2	2,4,6-Trichlorophenol	50.2		0.54	5.30	ug/L
95-95-4	2,4,5-Trichlorophenol	49.9		0.65	5.30	ug/L
92-52-4	1,1-Biphenyl	70.0		0.56	5.30	ug/L
91-58-7	2-Chloronaphthalene	48.9		0.64	5.30	ug/L
88-74-4	2-Nitroaniline	53.9		1.30	5.30	ug/L
131-11-3	Dimethylphthalate	47.8		0.64	5.30	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/20/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/20/25
Client Sample ID:	MW-201-082025MSD	SDG No.:	Q2934
Lab Sample ID:	Q2924-04MSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	950 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025603.D	1	08/22/25 10:34	08/27/25 15:00	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	190	E	0.79	5.30	ug/L
606-20-2	2,6-Dinitrotoluene	51.3		0.97	5.30	ug/L
99-09-2	3-Nitroaniline	32.4		1.10	5.30	ug/L
83-32-9	Acenaphthene	53.5		0.58	5.30	ug/L
51-28-5	2,4-Dinitrophenol	120	E	6.30	10.5	ug/L
100-02-7	4-Nitrophenol	42.7		2.50	10.5	ug/L
132-64-9	Dibenzofuran	51.2		0.64	5.30	ug/L
121-14-2	2,4-Dinitrotoluene	52.5		1.30	5.30	ug/L
84-66-2	Diethylphthalate	48.9		0.73	5.30	ug/L
7005-72-3	4-Chlorophenyl-phenylether	48.5		0.72	5.30	ug/L
86-73-7	Fluorene	68.0		0.66	5.30	ug/L
100-01-6	4-Nitroaniline	49.4		1.60	5.30	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	55.7		3.00	10.5	ug/L
86-30-6	n-Nitrosodiphenylamine	50.5		0.61	5.30	ug/L
101-55-3	4-Bromophenyl-phenylether	52.0		0.42	5.30	ug/L
118-74-1	Hexachlorobenzene	52.3		0.55	5.30	ug/L
1912-24-9	Atrazine	48.5		1.10	5.30	ug/L
87-86-5	Pentachlorophenol	110	E	1.70	10.5	ug/L
85-01-8	Phenanthrene	67.2		0.53	5.30	ug/L
120-12-7	Anthracene	53.2		0.64	5.30	ug/L
86-74-8	Carbazole	63.5		0.76	5.30	ug/L
84-74-2	Di-n-butylphthalate	52.6		1.30	5.30	ug/L
206-44-0	Fluoranthene	51.6		0.86	5.30	ug/L
129-00-0	Pyrene	50.1		0.53	5.30	ug/L
85-68-7	Butylbenzylphthalate	52.0		2.00	5.30	ug/L
91-94-1	3,3-Dichlorobenzidine	43.4		0.98	10.5	ug/L
56-55-3	Benzo(a)anthracene	49.9		0.47	5.30	ug/L
218-01-9	Chrysene	51.2		0.46	5.30	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	49.7		1.70	5.30	ug/L
117-84-0	Di-n-octyl phthalate	52.0		2.50	10.5	ug/L
205-99-2	Benzo(b)fluoranthene	50.4		0.52	5.30	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/20/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/20/25
Client Sample ID:	MW-201-082025MSD	SDG No.:	Q2934
Lab Sample ID:	Q2924-04MSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	950 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025603.D	1	08/22/25 10:34	08/27/25 15:00	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	49.6		0.51	5.30	ug/L
50-32-8	Benzo(a)pyrene	49.8		0.58	5.30	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	50.9		0.62	5.30	ug/L
53-70-3	Dibenzo(a,h)anthracene	51.6		0.71	5.30	ug/L
191-24-2	Benzo(g,h,i)perylene	50.6		0.73	5.30	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	49.8		0.55	5.30	ug/L
123-91-1	1,4-Dioxane	21.8		1.10	5.30	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	50.6		0.76	5.30	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	67.4		15 (23) - 110 (138)	45%	SPK: 150
13127-88-3	Phenol-d6	41.4		15 (10) - 110 (134)	28%	SPK: 150
4165-60-0	Nitrobenzene-d5	149	*	30 (67) - 130 (132)	149%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.1		30 (52) - 130 (132)	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	135		15 (44) - 110 (137)	90%	SPK: 150
1718-51-0	Terphenyl-d14	76.2		30 (42) - 130 (152)	76%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	166000	7.778			
1146-65-2	Naphthalene-d8	359000	10.566			
15067-26-2	Acenaphthene-d10	418000	14.401			
1517-22-2	Phenanthrene-d10	814000	17.201			
1719-03-5	Chrysene-d12	888000	21.636			
1520-96-3	Perylene-d12	1060000	25.007			

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\BP082725\
 Data File : BP025603.D
 Acq On : 27 Aug 2025 15:00
 Operator : CG/JU
 Sample : Q2924-04MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MW-201-082025MSD

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/28/2025
 Supervised By :Jagrut Upadhyay 08/28/2025

Quant Time: Aug 27 15:23:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	165573	20.000	ng	-0.02
21) Naphthalene-d8	10.566	136	358938m	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	417829	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	814298	20.000	ng	0.00
76) Chrysene-d12	21.636	240	887974	20.000	ng	-0.01
86) Perylene-d12	25.007	264	1057493	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	671751	67.377	ng	0.00
7) Phenol-d6	6.972	99	529341	41.411	ng	0.00
23) Nitrobenzene-d5	8.925	82	1058184	149.131	ng	-0.01
42) 2,4,6-Tribromophenol	15.913	330	757775	134.739	ng	0.00
45) 2-Fluorobiphenyl	13.007	172	2386494	78.060	ng	-0.01
79) Terphenyl-d14	19.919	244	3697065	76.174	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.320	88	80709	20.667	ng	99
3) Pyridine	3.725	79	202156	18.912	ng	95
4) n-Nitrosodimethylamine	3.631	42	105107	23.851	ng	96
6) Aniline	7.113	93	412121	23.929	ng	97
8) 2-Chlorophenol	7.360	128	422887	37.587	ng	97
9) Benzaldehyde	6.931	77	320616	35.801	ng	# 1
10) Phenol	6.996	94	209480	15.618	ng	89
11) bis(2-Chloroethyl)ether	7.213	93	438912	41.984	ng	# 81
12) 1,3-Dichlorobenzene	7.672	146	417263	33.634	ng	98
13) 1,4-Dichlorobenzene	7.813	146	431205	34.006	ng	98
14) 1,2-Dichlorobenzene	8.131	146	424297	34.567	ng	99
15) Benzyl Alcohol	8.037	79	309179	30.441	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.319	45	244473	17.457	ng	# 57
17) 2-Methylphenol	8.243	107	305694	32.816	ng	98
18) Hexachloroethane	8.866	117	429233	92.067	ng	# 53
19) n-Nitroso-di-n-propyla...	8.578	70	347670	41.062	ng	99
20) 3+4-Methylphenols	8.543	107	511394	39.604	ng	99
22) Acetophenone	8.590	105	774732	86.068	ng	98
24) Nitrobenzene	8.966	77	536503	84.602	ng	98
25) Isophorone	9.507	82	1014281	80.771	ng	98
26) 2-Nitrophenol	9.672	139	279469	85.872	ng	99
27) 2,4-Dimethylphenol	9.749	122	417062	74.518	ng	97
28) bis(2-Chloroethoxy)met...	9.984	93	542429	71.459	ng	97
29) 2,4-Dichlorophenol	10.231	162	449299	80.812	ng	99
30) 1,2,4-Trichlorobenzene	10.443	180	470127	77.137	ng	98
31) Naphthalene	10.607	128	53257232m	2854.698	ng	
32) Benzoic acid	9.872	122	130466	31.575	ng	99
33) 4-Chloroaniline	10.713	127	245084m	29.741	ng	
34) Hexachlorobutadiene	10.884	225	269655	71.043	ng	97
35) Caprolactam	11.507	113	33012	16.193	ng	92
36) 4-Chloro-3-methylphenol	11.837	107	481225	75.431	ng	91
37) 2-Methylnaphthalene	12.219	142	9833822	809.982	ng	97
38) 1-Methylnaphthalene	12.431	142	6970742	539.898	ng	99
40) 1,2,4,5-Tetrachloroben...	12.572	216	570448	47.272	ng	99
41) Hexachlorocyclopentadiene	12.554	237	532370	73.036	ng	99
43) 2,4,6-Trichlorophenol	12.819	196	388583	47.698	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082725\
 Data File : BP025603.D
 Acq On : 27 Aug 2025 15:00
 Operator : CG/JU
 Sample : Q2924-04MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MW-201-082025MSD

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/28/2025
 Supervised By :Jagrut Upadhyay 08/28/2025

Quant Time: Aug 27 15:23:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	423357	47.415	ng	97
46) 1,1'-Biphenyl	13.219	154	2017741	66.493	ng	99
47) 2-Chloronaphthalene	13.260	162	1096677	46.423	ng	98
48) 2-Nitroaniline	13.466	65	352640	51.231	ng	99
49) Acenaphthylene	14.125	152	6895606	176.403	ng	99
50) Dimethylphthalate	13.842	163	1390812	45.456	ng	99
51) 2,6-Dinitrotoluene	13.960	165	314131	48.710	ng	92
52) Acenaphthene	14.466	154	1167251	50.872	ng	100
53) 3-Nitroaniline	14.295	138	223346	30.782	ng	94
54) 2,4-Dinitrophenol	14.513	184	383271	111.288	ng	98
55) Dibenzofuran	14.807	168	1764171	48.631	ng	98
56) 4-Nitrophenol	14.642	139	241694	40.537	ng	92
57) 2,4-Dinitrotoluene	14.766	165	458819	49.866	ng	96
58) Fluorene	15.460	166	1850230	64.638	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.037	232	379145	48.091	ng	99
60) Diethylphthalate	15.231	149	1443076	46.416	ng	100
61) 4-Chlorophenyl-phenyle...	15.460	204	655680	46.058	ng	96
62) 4-Nitroaniline	15.484	138	349130	46.936	ng	95
63) Azobenzene	15.754	77	1311741	49.274	ng	98
65) 4,6-Dinitro-2-methylph...	15.548	198	268592	52.915	ng	96
66) n-Nitrosodiphenylamine	15.666	169	1192328	48.017	ng	100
67) 4-Bromophenyl-phenylether	16.366	248	442265	49.383	ng	95
68) Hexachlorobenzene	16.489	284	516257	49.728	ng	98
69) Atrazine	16.654	200	428690	46.099	ng	99
70) Pentachlorophenol	16.848	266	659376	100.616	ng	97
71) Phenanthrene	17.242	178	2855159	63.828	ng	99
72) Anthracene	17.336	178	2308905	50.545	ng	99
73) Carbazole	17.619	167	2594549	60.300	ng	99
74) Di-n-butylphthalate	18.207	149	2643612	49.938	ng	100
75) Fluoranthene	19.325	202	2617503	49.056	ng	99
77) Benzidine	19.513	184	785899	25.933	ng	100
78) Pyrene	19.701	202	2744373	47.550	ng	100
80) Butylbenzylphthalate	20.636	149	1291637	49.379	ng	98
81) Benzo(a)anthracene	21.619	228	2778578	47.447	ng	99
82) 3,3'-Dichlorobenzidine	21.530	252	910515	41.249	ng	99
83) Chrysene	21.683	228	2668181	48.651	ng	99
84) Bis(2-ethylhexyl)phtha...	21.554	149	1818319	47.223	ng	100
85) Di-n-octyl phthalate	22.836	149	3269105	49.360	ng	99
87) Indeno(1,2,3-cd)pyrene	28.836	276	3751770	48.377	ng	# 91
88) Benzo(b)fluoranthene	23.948	252	2986627	47.895	ng	98
89) Benzo(k)fluoranthene	24.024	252	2942937	47.163	ng	99
90) Benzo(a)pyrene	24.854	252	2870696	47.293	ng	99
91) Dibenzo(a,h)anthracene	28.924	278	3109637	49.066	ng	98
92) Benzo(g,h,i)perylene	30.042	276	2995786	48.088	ng	98

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

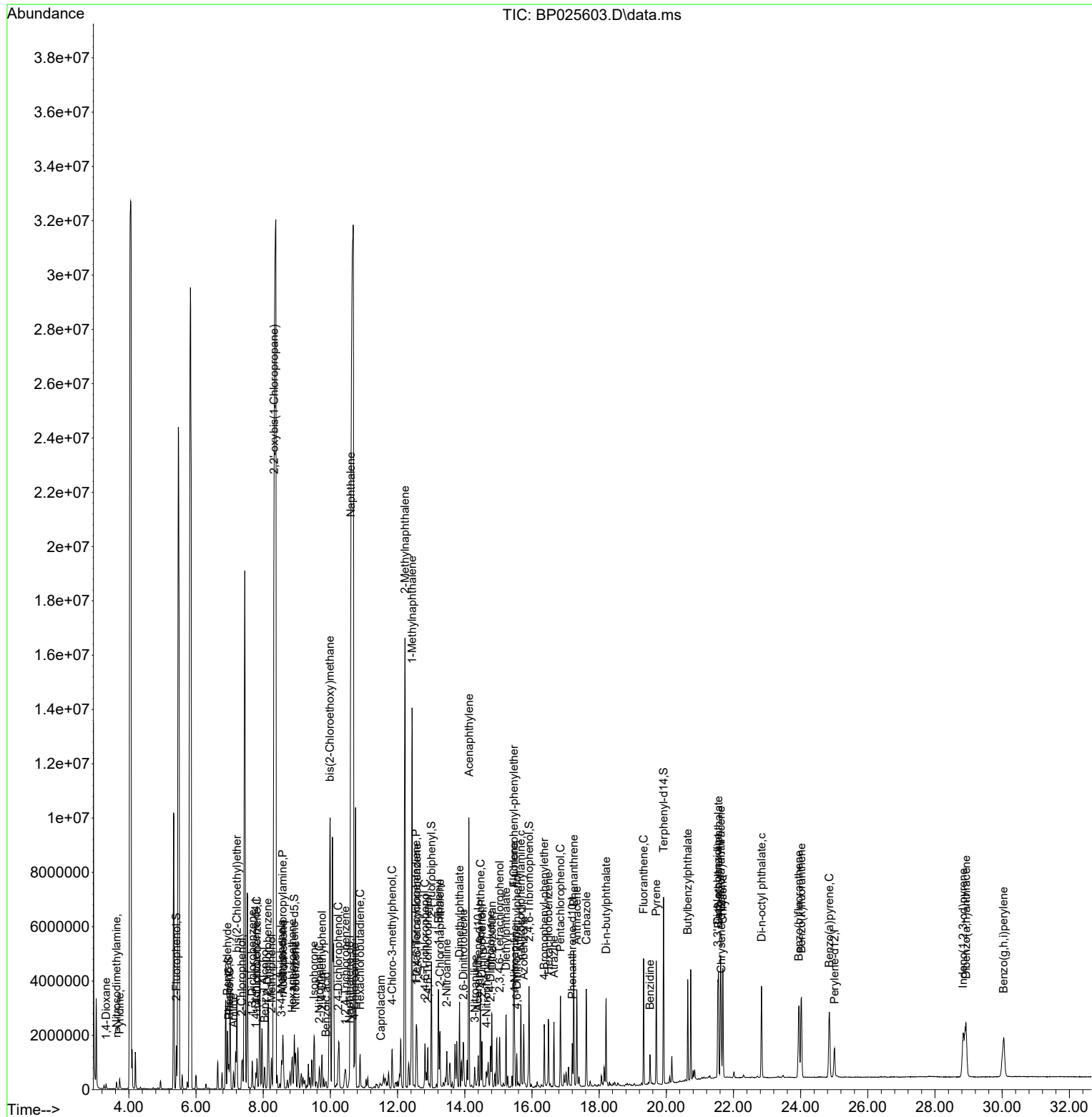
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082725\
 Data File : BP025603.D
 Acq On : 27 Aug 2025 15:00
 Operator : CG/JU
 Sample : Q2924-04MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MW-201-082025MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/28/2025
 Supervised By :Jagrut Upadhyay 08/28/2025

Quant Time: Aug 27 15:23:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration



Manual Integration Report

Sequence:	BP081425	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP025393.D	Acenaphthene	Rahul	8/15/2025 9:34:57 AM	Jagrut	8/15/2025 12:49:22 PM	Peak Integrated by Software
SSTDICC010	BP025394.D	Acenaphthene	Rahul	8/15/2025 9:34:54 AM	Jagrut	8/15/2025 12:49:24 PM	Peak Integrated by Software
SSTDICC010	BP025394.D	Benzaldehyde	Rahul	8/15/2025 9:34:54 AM	Jagrut	8/15/2025 12:49:24 PM	Peak Integrated by Software
SSTDICC010	BP025394.D	Benzoic acid	Rahul	8/15/2025 9:34:54 AM	Jagrut	8/15/2025 12:49:24 PM	Peak Integrated by Software
SSTDICC010	BP025394.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:54 AM	Jagrut	8/15/2025 12:49:24 PM	Peak Integrated by Software
SSTDICC020	BP025395.D	Acenaphthene	Rahul	8/15/2025 9:34:49 AM	Jagrut	8/15/2025 12:49:27 PM	Peak Integrated by Software
SSTDICC020	BP025395.D	Benzoic acid	Rahul	8/15/2025 9:34:49 AM	Jagrut	8/15/2025 12:49:27 PM	Peak Integrated by Software
SSTDICC020	BP025395.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:49 AM	Jagrut	8/15/2025 12:49:27 PM	Peak Integrated by Software
SSTDICCC040	BP025396.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:47 AM	Jagrut	8/15/2025 12:49:30 PM	Peak Integrated by Software
SSTDICC050	BP025397.D	Benzo(g,h,i)perylene	Rahul	8/15/2025 9:34:43 AM	Jagrut	8/15/2025 12:49:33 PM	Peak Integrated by Software
SSTDICC050	BP025397.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:43 AM	Jagrut	8/15/2025 12:49:33 PM	Peak Integrated by Software
SSTDICC080	BP025399.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:40 AM	Jagrut	8/15/2025 12:49:36 PM	Peak Integrated by Software
SSTDICV040	BP025400.D	Acenaphthene	Rahul	8/15/2025 9:34:38 AM	Jagrut	8/15/2025 12:49:39 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

BP081425

Instrument

BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP025403.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:33 AM	Jagrut	8/15/2025 12:49:44 PM	Peak Integrated by Software
SSTDCCC040	BP025405.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:31 AM	Jagrut	8/15/2025 12:49:46 PM	Peak Integrated by Software
SSTDCCC040	BP025420.D	Acenaphthene	Rahul	8/15/2025 12:47:42 PM	Jagrut	8/15/2025 12:48:50 PM	Peak Integrated by Software
SSTDCCC040	BP025420.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 12:47:42 PM	Jagrut	8/15/2025 12:48:50 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

BP082225

Instrument

BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP025544.D	Indeno(1,2,3-cd)pyrene	rahul	8/25/2025 10:22:13 AM	Jagrut	8/25/2025 7:03:59 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

BP082525

Instrument

BNA_p

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason



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

Manual Integration Report

Sequence:

bp082625

Instrument

BNA_p

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

BP082725

Instrument

BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2924-03MS	BP025602.D	2,3,4,6-Tetrachlorophen ol	Rahul	8/28/2025 8:28:48 AM	Jagrut	8/28/2025 1:39:19 PM	Peak Integrated by Software
Q2924-03MS	BP025602.D	4-Chloroaniline	Rahul	8/28/2025 8:28:48 AM	Jagrut	8/28/2025 1:39:19 PM	Peak Integrated by Software
Q2924-03MS	BP025602.D	Indeno(1,2,3-cd)pyrene	Rahul	8/28/2025 8:28:48 AM	Jagrut	8/28/2025 1:39:19 PM	Peak Integrated by Software
Q2924-03MS	BP025602.D	Naphthalene	Rahul	8/28/2025 8:28:48 AM	Jagrut	8/28/2025 1:39:19 PM	Peak Integrated by Software
Q2924-03MS	BP025602.D	Naphthalene-d8	Rahul	8/28/2025 8:28:48 AM	Jagrut	8/28/2025 1:39:19 PM	Peak Integrated by Software
Q2924-04MSD	BP025603.D	4-Chloroaniline	Rahul	8/28/2025 8:28:51 AM	Jagrut	8/28/2025 1:39:22 PM	Peak Integrated by Software
Q2924-04MSD	BP025603.D	Naphthalene	Rahul	8/28/2025 8:28:51 AM	Jagrut	8/28/2025 1:39:22 PM	Peak Integrated by Software
Q2924-04MSD	BP025603.D	Naphthalene-d8	Rahul	8/28/2025 8:28:51 AM	Jagrut	8/28/2025 1:39:22 PM	Peak Integrated by Software

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QC Batch ID # BP081425

Review By	Rahul	Review On	8/15/2025 9:35:16 AM
Supervise By	Jagrut	Supervise On	8/15/2025 3:48:12 PM
SubDirectory	BP081425	HP Acquire Method	BNA_P
		HP Processing Method	bp081425
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S13170,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025390.D	14 Aug 2025 10:30	CG/JU	Ok
2	SSTDCCC040	BP025391.D	14 Aug 2025 11:52	CG/JU	Not Ok
3	SSTDICC2.5	BP025392.D	14 Aug 2025 12:33	CG/JU	Ok
4	SSTDICC005	BP025393.D	14 Aug 2025 13:15	CG/JU	Ok,M
5	SSTDICC010	BP025394.D	14 Aug 2025 13:56	CG/JU	Ok,M
6	SSTDICC020	BP025395.D	14 Aug 2025 14:38	CG/JU	Ok,M
7	SSTDICCC040	BP025396.D	14 Aug 2025 15:19	CG/JU	Ok,M
8	SSTDICC050	BP025397.D	14 Aug 2025 16:01	CG/JU	Ok,M
9	SSTDICC060	BP025398.D	14 Aug 2025 16:42	CG/JU	Ok
10	SSTDICC080	BP025399.D	14 Aug 2025 17:24	CG/JU	Ok,M
11	SSTDICV040	BP025400.D	14 Aug 2025 18:05	CG/JU	Ok,M
12	PB169200TB	BP025401.D	14 Aug 2025 19:28	CG/JU	Ok
13	PB169210BS	BP025402.D	14 Aug 2025 20:10	CG/JU	Ok,M
14	SSTDCCC040	BP025403.D	14 Aug 2025 20:51	CG/JU	Ok,M
15	DFTPP	BP025404.D	14 Aug 2025 22:14	CG/JU	Ok
16	SSTDCCC040	BP025405.D	14 Aug 2025 22:56	CG/JU	Ok,M
17	PB169228BL	BP025406.D	14 Aug 2025 23:37	CG/JU	Ok
18	PB169228BS	BP025407.D	15 Aug 2025 00:18	CG/JU	Ok,M
19	Q2820-10	BP025408.D	15 Aug 2025 01:00	CG/JU	Ok
20	Q2820-11	BP025409.D	15 Aug 2025 01:41	CG/JU	Ok
21	Q2820-21	BP025410.D	15 Aug 2025 02:22	CG/JU	ReRun

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QC Batch ID # BP081425

Review By	Rahul	Review On	8/15/2025 9:35:16 AM		
Supervise By	Jagrut	Supervise On	8/15/2025 3:48:12 PM		
SubDirectory	BP081425	HP Acquire Method	BNA_P	HP Processing Method	bp081425
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840			
CCC		SP6836			
Internal Standard/PEM		S13170,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q2820-22	BP025411.D	15 Aug 2025 03:03	CG/JU	ReRun
23	Q2820-14	BP025412.D	15 Aug 2025 03:45	CG/JU	Ok
24	Q2820-16	BP025413.D	15 Aug 2025 04:26	CG/JU	Ok
25	Q2820-17	BP025414.D	15 Aug 2025 05:07	CG/JU	Ok
26	Q2820-17MS	BP025415.D	15 Aug 2025 05:48	CG/JU	Ok,M
27	Q2820-17MSD	BP025416.D	15 Aug 2025 06:29	CG/JU	Ok,M
28	Q2820-18	BP025417.D	15 Aug 2025 07:10	CG/JU	Ok
29	Q2820-19	BP025418.D	15 Aug 2025 07:51	CG/JU	ReRun
30	Q2820-20	BP025419.D	15 Aug 2025 08:32	CG/JU	ReRun
31	SSTDCCC040	BP025420.D	15 Aug 2025 09:13	CG/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QC Batch ID # BP082225

Review By	rahul	Review On	8/25/2025 10:24:30 AM
Supervise By	Jagrut	Supervise On	8/25/2025 7:04:22 PM
SubDirectory	BP082225	HP Acquire Method	BNA_P
		HP Processing Method	bp081425
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S13171,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025543.D	22 Aug 2025 10:08	CG/JU	Ok
2	SSTDCCC040	BP025544.D	22 Aug 2025 10:49	CG/JU	Ok,M
3	PB169346BL	BP025545.D	22 Aug 2025 12:06	CG/JU	Ok
4	PB169346BS	BP025546.D	22 Aug 2025 12:47	CG/JU	Ok
5	Q2832-01	BP025547.D	22 Aug 2025 13:32	CG/JU	Ok,M
6	Q2832-03	BP025548.D	22 Aug 2025 14:13	CG/JU	Ok,M
7	Q2903-11	BP025549.D	22 Aug 2025 14:54	CG/JU	Ok
8	Q2916-01	BP025550.D	22 Aug 2025 15:35	CG/JU	Ok
9	Q2936-04	BP025551.D	22 Aug 2025 16:17	CG/JU	Ok
10	Q2924-10	BP025552.D	22 Aug 2025 16:58	CG/JU	Ok
11	Q2934-01	BP025553.D	22 Aug 2025 17:39	CG/JU	Ok
12	Q2934-02	BP025554.D	22 Aug 2025 18:20	CG/JU	Ok
13	Q2934-03	BP025555.D	22 Aug 2025 19:02	CG/JU	Ok
14	Q2934-04	BP025556.D	22 Aug 2025 19:43	CG/JU	Ok
15	Q2917-01	BP025557.D	22 Aug 2025 20:24	CG/JU	Ok,M
16	Q2919-01	BP025558.D	22 Aug 2025 21:05	CG/JU	Ok,M
17	Q2909-01	BP025559.D	22 Aug 2025 21:46	CG/JU	Ok

M : Manual Integration

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QC Batch ID # BP082525

Review By	Rahul	Review On	8/26/2025 10:26:59 AM
Supervise By	Jagrut	Supervise On	8/26/2025 12:54:30 PM
SubDirectory	BP082525	HP Acquire Method	BNA_P
		HP Processing Method	bp081425
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S13173,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025560.D	25 Aug 2025 10:24	CG/JU	Ok
2	SSTDCCC040	BP025561.D	25 Aug 2025 12:13	CG/JU	Ok
3	PB169362BL	BP025562.D	25 Aug 2025 12:54	CG/JU	Ok
4	SP6865	BP025563.D	25 Aug 2025 13:36	CG/JU	Ok
5	Q2933-04	BP025564.D	25 Aug 2025 14:21	CG/JU	Ok
6	Q2933-04MS	BP025565.D	25 Aug 2025 15:02	CG/JU	Ok
7	Q2933-04MSD	BP025566.D	25 Aug 2025 15:43	CG/JU	Ok
8	Q2932-05	BP025567.D	25 Aug 2025 16:25	CG/JU	Ok
9	Q2933-02	BP025568.D	25 Aug 2025 17:06	CG/JU	Ok
10	Q2909-02	BP025569.D	25 Aug 2025 17:48	CG/JU	Ok,M
11	Q2909-02MS	BP025570.D	25 Aug 2025 18:29	CG/JU	Ok,M
12	Q2909-02MSD	BP025571.D	25 Aug 2025 19:11	CG/JU	Ok,M
13	Q2932-01	BP025572.D	25 Aug 2025 19:52	CG/JU	Ok
14	Q2949-01	BP025573.D	25 Aug 2025 20:33	CG/JU	Ok
15	Q2941-01	BP025574.D	25 Aug 2025 21:14	CG/JU	Ok,M
16	Q2947-01	BP025575.D	25 Aug 2025 21:55	CG/JU	Ok,M
17	Q2932-03	BP025576.D	25 Aug 2025 22:37	CG/JU	Not Ok
18	Q2947-03	BP025577.D	25 Aug 2025 23:18	CG/JU	Not Ok

M : Manual Integration

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QCBatch ID # BP082625

Review By	Rahul	Review On	8/27/2025 9:27:24 AM
Supervise By	Jagrut	Supervise On	8/27/2025 11:38:38 AM
SubDirectory	BP082625	HP Acquire Method	BNA_P
		HP Processing Method	bp081425
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S13173,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025578.D	26 Aug 2025 08:59	CG/JU	Ok
2	SSTDCCC040	BP025579.D	26 Aug 2025 10:21	CG/JU	Ok
3	PB169325TB	BP025580.D	26 Aug 2025 11:02	CG/JU	Ok
4	PB169362BS	BP025581.D	26 Aug 2025 11:44	CG/JU	Ok
5	Q2941-02	BP025582.D	26 Aug 2025 12:29	CG/JU	Ok
6	Q2924-05DL	BP025583.D	26 Aug 2025 13:10	CG/JU	Dilution
7	Q2932-03	BP025584.D	26 Aug 2025 13:51	CG/JU	Ok,M
8	Q2926-01	BP025585.D	26 Aug 2025 14:33	CG/JU	Ok
9	Q2924-05DL2	BP025586.D	26 Aug 2025 15:14	CG/JU	Ok
10	Q2940-01	BP025587.D	26 Aug 2025 15:55	CG/JU	Ok
11	Q2924-08	BP025588.D	26 Aug 2025 16:37	CG/JU	Ok
12	Q2924-09	BP025589.D	26 Aug 2025 17:18	CG/JU	Ok
13	Q2924-06	BP025590.D	26 Aug 2025 17:59	CG/JU	Ok
14	Q2936-02	BP025591.D	26 Aug 2025 18:41	CG/JU	Dilution
15	Q2947-03	BP025592.D	26 Aug 2025 19:22	CG/JU	Ok,M
16	Q2892-02	BP025593.D	26 Aug 2025 20:03	CG/JU	Ok
17	Q2928-01	BP025594.D	26 Aug 2025 20:44	CG/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QC Batch ID # BP082725

Review By	Rahul	Review On	8/28/2025 8:32:26 AM
Supervise By	Jagrut	Supervise On	8/28/2025 1:40:30 PM
SubDirectory	BP082725	HP Acquire Method	BNA_P
		HP Processing Method	bp081425
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S13173,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025595.D	27 Aug 2025 08:58	CG/JU	Ok
2	SSTDCCC040	BP025596.D	27 Aug 2025 09:39	CG/JU	Ok
3	PB169370BL	BP025597.D	27 Aug 2025 10:20	CG/JU	Ok
4	PB169370BS	BP025598.D	27 Aug 2025 11:01	CG/JU	Ok
5	PB169382BL	BP025599.D	27 Aug 2025 11:42	CG/JU	Ok
6	PB169382BS	BP025600.D	27 Aug 2025 12:23	CG/JU	Ok
7	Q2924-02	BP025601.D	27 Aug 2025 13:37	CG/JU	Dilution
8	Q2924-03MS	BP025602.D	27 Aug 2025 14:18	CG/JU	Ok,M
9	Q2924-04MSD	BP025603.D	27 Aug 2025 15:00	CG/JU	Ok,M
10	Q2936-02DL	BP025604.D	27 Aug 2025 15:41	CG/JU	Dilution
11	Q2936-02DL2	BP025605.D	27 Aug 2025 16:22	CG/JU	Ok
12	Q2921-01	BP025606.D	27 Aug 2025 17:03	CG/JU	Ok
13	Q2924-02DL	BP025607.D	27 Aug 2025 17:44	CG/JU	Dilution
14	Q2924-02DL2	BP025608.D	27 Aug 2025 18:26	CG/JU	Ok

M : Manual Integration

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP081425

Review By	Rahul	Review On	8/15/2025 9:35:16 AM
Supervise By	Jagrut	Supervise On	8/15/2025 3:48:12 PM
SubDirectory	BP081425	HP Acquire Method	BNA_P
		HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP025390.D	14 Aug 2025 10:30		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025391.D	14 Aug 2025 11:52	A Fresh Calibration is required.	CG/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BP025392.D	14 Aug 2025 12:33		CG/JU	Ok
4	SSTDICC005	SSTDICC005	BP025393.D	14 Aug 2025 13:15		CG/JU	Ok,M
5	SSTDICC010	SSTDICC010	BP025394.D	14 Aug 2025 13:56		CG/JU	Ok,M
6	SSTDICC020	SSTDICC020	BP025395.D	14 Aug 2025 14:38		CG/JU	Ok,M
7	SSTDICCC040	SSTDICCC040	BP025396.D	14 Aug 2025 15:19	Benzidine failed in the Calibration Method.	CG/JU	Ok,M
8	SSTDICC050	SSTDICC050	BP025397.D	14 Aug 2025 16:01		CG/JU	Ok,M
9	SSTDICC060	SSTDICC060	BP025398.D	14 Aug 2025 16:42		CG/JU	Ok
10	SSTDICC080	SSTDICC080	BP025399.D	14 Aug 2025 17:24		CG/JU	Ok,M
11	SSTDICV040	ICVBP081425	BP025400.D	14 Aug 2025 18:05		CG/JU	Ok,M
12	PB169200TB	PB169200TB	BP025401.D	14 Aug 2025 19:28		CG/JU	Ok
13	PB169210BS	PB169210BS	BP025402.D	14 Aug 2025 20:10		CG/JU	Ok,M
14	SSTDCCC040	SSTDCCC040EC	BP025403.D	14 Aug 2025 20:51		CG/JU	Ok,M
15	DFTPP	DFTPP	BP025404.D	14 Aug 2025 22:14		CG/JU	Ok
16	SSTDCCC040	SSTDCCC040	BP025405.D	14 Aug 2025 22:56		CG/JU	Ok,M
17	PB169228BL	PB169228BL	BP025406.D	14 Aug 2025 23:37		CG/JU	Ok

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP081425

Review By	Rahul	Review On	8/15/2025 9:35:16 AM		
Supervise By	Jagrut	Supervise On	8/15/2025 3:48:12 PM		
SubDirectory	BP081425	HP Acquire Method	BNA_P	HP Processing Method	bp081425
STD. NAME	STD REF.#				
Tune/Reschk	SP6757				
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840				
CCC	SP6836				
Internal Standard/PEM	S13170,10ul/1000ul sample				
ICV/I.BLK	SP6770				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

18	PB169228BS	PB169228BS	BP025407.D	15 Aug 2025 00:18		CG/JU	Ok,M
19	Q2820-10	SOIL-DUP-2	BP025408.D	15 Aug 2025 01:00		CG/JU	Ok
20	Q2820-11	10PC-W	BP025409.D	15 Aug 2025 01:41		CG/JU	Ok
21	Q2820-21	22M-N	BP025410.D	15 Aug 2025 02:22	Surrogate Fail	CG/JU	ReRun
22	Q2820-22	22M-W	BP025411.D	15 Aug 2025 03:03	Surrogate Fail	CG/JU	ReRun
23	Q2820-14	10P-E	BP025412.D	15 Aug 2025 03:45		CG/JU	Ok
24	Q2820-16	10P-N	BP025413.D	15 Aug 2025 04:26		CG/JU	Ok
25	Q2820-17	88H-E	BP025414.D	15 Aug 2025 05:07		CG/JU	Ok
26	Q2820-17MS	88H-EMS	BP025415.D	15 Aug 2025 05:48		CG/JU	Ok,M
27	Q2820-17MSD	88H-EMSD	BP025416.D	15 Aug 2025 06:29		CG/JU	Ok,M
28	Q2820-18	88H-N	BP025417.D	15 Aug 2025 07:10		CG/JU	Ok
29	Q2820-19	88H-W	BP025418.D	15 Aug 2025 07:51	Surrogate fail	CG/JU	ReRun
30	Q2820-20	88H-S	BP025419.D	15 Aug 2025 08:32	Surrogate Fail	CG/JU	ReRun
31	SSTDCCC040	SSTDCCC040EC	BP025420.D	15 Aug 2025 09:13		CG/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP082225

Review By	rahul	Review On	8/25/2025 10:24:30 AM
Supervise By	Jagrut	Supervise On	8/25/2025 7:04:22 PM
SubDirectory	BP082225	HP Acquire Method	BNA_P
		HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13171,10ul/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	BP025543.D	22 Aug 2025 10:08		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025544.D	22 Aug 2025 10:49		CG/JU	Ok,M
3	PB169346BL	PB169346BL	BP025545.D	22 Aug 2025 12:06		CG/JU	Ok
4	PB169346BS	PB169346BS	BP025546.D	22 Aug 2025 12:47		CG/JU	Ok
5	Q2832-01	TG-S01	BP025547.D	22 Aug 2025 13:32		CG/JU	Ok,M
6	Q2832-03	TG-S02	BP025548.D	22 Aug 2025 14:13		CG/JU	Ok,M
7	Q2903-11	MW-18A-081925	BP025549.D	22 Aug 2025 14:54		CG/JU	Ok
8	Q2916-01	EO-03-08202025	BP025550.D	22 Aug 2025 15:35		CG/JU	Ok
9	Q2936-04	FB-02-082125	BP025551.D	22 Aug 2025 16:17		CG/JU	Ok
10	Q2924-10	MW-8A-082025	BP025552.D	22 Aug 2025 16:58		CG/JU	Ok
11	Q2934-01	ENV-SW01	BP025553.D	22 Aug 2025 17:39		CG/JU	Ok
12	Q2934-02	ENV-SW02	BP025554.D	22 Aug 2025 18:20		CG/JU	Ok
13	Q2934-03	ENV-SW03	BP025555.D	22 Aug 2025 19:02		CG/JU	Ok
14	Q2934-04	ENV-SW04	BP025556.D	22 Aug 2025 19:43		CG/JU	Ok
15	Q2917-01	OR-02-082025	BP025557.D	22 Aug 2025 20:24		CG/JU	Ok,M
16	Q2919-01	OK-02-08202025	BP025558.D	22 Aug 2025 21:05		CG/JU	Ok,M
17	Q2909-01	4065	BP025559.D	22 Aug 2025 21:46		CG/JU	Ok

M : Manual Integration

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP082525

Review By	Rahul	Review On	8/26/2025 10:26:59 AM
Supervise By	Jagrut	Supervise On	8/26/2025 12:54:30 PM
SubDirectory	BP082525	HP Acquire Method	BNA_P
		HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13173,10ul/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	BP025560.D	25 Aug 2025 10:24		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025561.D	25 Aug 2025 12:13		CG/JU	Ok
3	PB169362BL	PB169362BL	BP025562.D	25 Aug 2025 12:54		CG/JU	Ok
4	SP6865	SP6865	BP025563.D	25 Aug 2025 13:36		CG/JU	Ok
5	Q2933-04	29-SEPTIC	BP025564.D	25 Aug 2025 14:21		CG/JU	Ok
6	Q2933-04MS	29-SEPTICMS	BP025565.D	25 Aug 2025 15:02		CG/JU	Ok
7	Q2933-04MSD	29-SEPTICMSD	BP025566.D	25 Aug 2025 15:43		CG/JU	Ok
8	Q2932-05	ARS20-0002-CONCRE	BP025567.D	25 Aug 2025 16:25		CG/JU	Ok
9	Q2933-02	25-SEPTIC	BP025568.D	25 Aug 2025 17:06		CG/JU	Ok
10	Q2909-02	4065	BP025569.D	25 Aug 2025 17:48	Internal Standard Fail	CG/JU	Ok,M
11	Q2909-02MS	4065MS	BP025570.D	25 Aug 2025 18:29	Internal Standard Fail	CG/JU	Ok,M
12	Q2909-02MSD	4065MSD	BP025571.D	25 Aug 2025 19:11	Internal standard fail	CG/JU	Ok,M
13	Q2932-01	ARS20-0009	BP025572.D	25 Aug 2025 19:52		CG/JU	Ok
14	Q2949-01	367	BP025573.D	25 Aug 2025 20:33		CG/JU	Ok
15	Q2941-01	SOIL-COMP(1-2)	BP025574.D	25 Aug 2025 21:14		CG/JU	Ok,M
16	Q2947-01	291	BP025575.D	25 Aug 2025 21:55		CG/JU	Ok,M
17	Q2932-03	ARS20-0002-SOIL	BP025576.D	25 Aug 2025 22:37	Out of tune time	CG/JU	Not Ok
18	Q2947-03	235	BP025577.D	25 Aug 2025 23:18	Out of tune time	CG/JU	Not Ok

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP082525

Review By	Rahul	Review On	8/26/2025 10:26:59 AM		
Supervise By	Jagrut	Supervise On	8/26/2025 12:54:30 PM		
SubDirectory	BP082525	HP Acquire Method	BNA_P	HP Processing Method	bp081425
STD. NAME	STD REF.#				
Tune/Reschk	SP6757				
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840				
CCC	SP6836				
Internal Standard/PEM	S13173,10ul/1000ul sample				
ICV/I.BLK	SP6770				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

M : Manual Integration

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP082625

Review By	Rahul	Review On	8/27/2025 9:27:24 AM
Supervise By	Jagrut	Supervise On	8/27/2025 11:38:38 AM
SubDirectory	BP082625	HP Acquire Method	BNA_P
		HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13173,10ul/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	BP025578.D	26 Aug 2025 08:59		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025579.D	26 Aug 2025 10:21		CG/JU	Ok
3	PB169325TB	PB169325TB	BP025580.D	26 Aug 2025 11:02		CG/JU	Ok
4	PB169362BS	PB169362BS	BP025581.D	26 Aug 2025 11:44		CG/JU	Ok
5	Q2941-02	SOIL-COMP(1-2)	BP025582.D	26 Aug 2025 12:29		CG/JU	Ok
6	Q2924-05DL	MW-2B-082025DL	BP025583.D	26 Aug 2025 13:10	Need 2X further Dilution	CG/JU	Dilution
7	Q2932-03	ARS20-0002-SOIL	BP025584.D	26 Aug 2025 13:51	Internal Standard Fail	CG/JU	Ok,M
8	Q2926-01	TR-04-08212025	BP025585.D	26 Aug 2025 14:33		CG/JU	Ok
9	Q2924-05DL2	MW-2B-082025DL2	BP025586.D	26 Aug 2025 15:14		CG/JU	Ok
10	Q2940-01	COMP(1-6)	BP025587.D	26 Aug 2025 15:55		CG/JU	Ok
11	Q2924-08	MW-16A-082025	BP025588.D	26 Aug 2025 16:37		CG/JU	Ok
12	Q2924-09	MW-16C-082025	BP025589.D	26 Aug 2025 17:18		CG/JU	Ok
13	Q2924-06	MW-2A-082025	BP025590.D	26 Aug 2025 17:59		CG/JU	Ok
14	Q2936-02	MW-19B-082125	BP025591.D	26 Aug 2025 18:41	Need 20X Dilution, Then decide further dilution.	CG/JU	Dilution
15	Q2947-03	235	BP025592.D	26 Aug 2025 19:22		CG/JU	Ok,M
16	Q2892-02	1-FLOOR-NORTH-EAS	BP025593.D	26 Aug 2025 20:03		CG/JU	Ok
17	Q2928-01	27-BELL	BP025594.D	26 Aug 2025 20:44		CG/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP082725

Review By	Rahul	Review On	8/28/2025 8:32:26 AM
Supervise By	Jagrut	Supervise On	8/28/2025 1:40:30 PM
SubDirectory	BP082725	HP Acquire Method	BNA_P
		HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13173,10ul/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	BP025595.D	27 Aug 2025 08:58		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025596.D	27 Aug 2025 09:39		CG/JU	Ok
3	PB169370BL	PB169370BL	BP025597.D	27 Aug 2025 10:20		CG/JU	Ok
4	PB169370BS	PB169370BS	BP025598.D	27 Aug 2025 11:01		CG/JU	Ok
5	PB169382BL	PB169382BL	BP025599.D	27 Aug 2025 11:42		CG/JU	Ok
6	PB169382BS	PB169382BS	BP025600.D	27 Aug 2025 12:23		CG/JU	Ok
7	Q2924-02	MW-201-082025	BP025601.D	27 Aug 2025 13:37	Need 20X dilution then decide further dilution	CG/JU	Dilution
8	Q2924-03MS	MW-201-082025MS	BP025602.D	27 Aug 2025 14:18		CG/JU	Ok,M
9	Q2924-04MSD	MW-201-082025MSD	BP025603.D	27 Aug 2025 15:00		CG/JU	Ok,M
10	Q2936-02DL	MW-19B-082125DL	BP025604.D	27 Aug 2025 15:41	Need further 5X dilution	CG/JU	Dilution
11	Q2936-02DL2	MW-19B-082125DL2	BP025605.D	27 Aug 2025 16:22		CG/JU	Ok
12	Q2921-01	MW1	BP025606.D	27 Aug 2025 17:03		CG/JU	Ok
13	Q2924-02DL	MW-201-082025DL	BP025607.D	27 Aug 2025 17:44	Need further 10X dilution	CG/JU	Dilution
14	Q2924-02DL2	MW-201-082025DL2	BP025608.D	27 Aug 2025 18:26		CG/JU	Ok

M : Manual Integration

SOP ID: M3510C,3580A-Extraction SVOC-21

Clean Up SOP #: N/A

Extraction Start Date : 08/22/2025

Matrix : Water

Extraction Start Time : 10:34

Weigh By: N/A

Extraction By: RS

Extraction End Date : 08/22/2025

Balance check: N/A

Filter By: RJ

Extraction End Time : 15:45

Balance ID: N/A

pH Meter ID: N/A

Concentration By: EH

pH Strip Lot#: E3953

Hood ID: 4,5,6,7

Supervisor By : RUPESH

Extraction Method: ☒ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6849
Surrogate	1.0ML	100/150 PPM	SP6852
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3964
Baked Na2SO4	N/A	EP2632
H2SO4 1:1	N/A	EP2610
10N NaoH	N/A	EP2609
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH Adjusted to < 2 with 1:1 H2SO4 & >12 with 10N NaOH, 1.5ML Vial Lot # 2210443.

KD Bath ID: WATER BATH-1,2

Envap ID: NE VAP-02

KD Bath Temperature: 60 °C

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/22/25	RS (Ext Lab)	Rckswoc
15:50	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction SVOC-21

Concentration Date: 08/22/2025

Sample ID	Client Sample ID	Test	g / (mL)	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169362BL	SBLK362	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			SEP-1
PB169362BS	SLCS362	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			2
Q2921-01	MW1	SVOCMS Group1	950	6	RUPESH	ritesh	1	C		3
Q2924-01	MW-10C-082025	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	C		4
Q2924-02	MW-201-082025	SVOC-TCL BNA -20	950	6	RUPESH	ritesh	1	C		5
Q2924-03	Q2924-02MS	SVOC-TCL BNA -20	970	6	RUPESH	ritesh	1	C		6
Q2924-04	Q2924-02MSD	SVOC-TCL BNA -20	950	6	RUPESH	ritesh	1	C		7
Q2924-05	MW-2B-082025	SVOC-TCL BNA -20	960	6	RUPESH	ritesh	1	C		8
Q2924-06	MW-2A-082025	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	C		9
Q2924-07	MW-18C-082025	SVOC-TCL BNA -20	990	6	RUPESH	ritesh	1	C		10
Q2924-08	MW-16A-082025	SVOC-TCL BNA -20	910	6	RUPESH	ritesh	1	C		11
Q2924-09	MW-16C-082025	SVOC-TCL BNA -20	940	6	RUPESH	ritesh	1	C		12
Q2924-10	MW-8A-082025	SVOC-TCL BNA -20	930	6	RUPESH	ritesh	1	C		13
Q2924-11	FB-01-082025	SVOC-TCL BNA -20	960	6	RUPESH	ritesh	1	C		14
Q2934-01	ENV-SW01	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	F		15
Q2934-02	ENV-SW02	SVOC-TCL BNA -20	990	6	RUPESH	ritesh	1	F		16
Q2934-03	ENV-SW03	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	F		SEP-1
Q2934-04	ENV-SW04	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	F		2
Q2936-01	MW-19A-082125	SVOC-TCL BNA -20	850	6	RUPESH	ritesh	1	C		3
Q2936-02	MW-19B-082125	SVOC-TCL BNA -20	900	6	RUPESH	ritesh	1	C		4
Q2936-03	MW-19C-082125	SVOC-TCL BNA -20	940	6	RUPESH	ritesh	1	C		5
Q2936-04	FB-02-082125	SVOC-TCL BNA -20	950	6	RUPESH	ritesh	1	C		6

* Extracts relinquished on the same date as received.

RS
8/22

10:55 AM
1/6/2025

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2924 WorkList ID : 191429 Department : Extraction Date : 08-22-2025 10:22:28

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2921-01	MW1	Water	SVOCMS Group1	Cool 4 deg C	GENV01	D11	08/20/2025	8270E
Q2924-01	MW-10C-082025	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	J23	08/20/2025	8270E
Q2924-02	MW-201-082025	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	J23	08/20/2025	8270E
Q2924-03	Q2924-02MS	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	J23	08/20/2025	8270E
Q2924-04	Q2924-02MSD	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	J23	08/20/2025	8270E
Q2924-05	MW-2B-082025	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	J23	08/20/2025	8270E
Q2924-06	MW-2A-082025	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	J23	08/20/2025	8270E
Q2924-07	MW-18C-082025	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	J23	08/20/2025	8270E
Q2924-08	MW-16A-082025	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	J23	08/20/2025	8270E
Q2924-09	MW-16C-082025	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	J23	08/20/2025	8270E
Q2924-10	MW-8A-082025	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	J23	08/20/2025	8270E
Q2924-11	FB-01-082025	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	J23	08/20/2025	8270E
Q2934-01	ENV-SW01	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	D41	08/21/2025	8270E
Q2934-02	ENV-SW02	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	D41	08/21/2025	8270E
Q2934-03	ENV-SW03	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	D41	08/21/2025	8270E
Q2934-04	ENV-SW04	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	D41	08/21/2025	8270E
Q2936-01	MW-19A-082125	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	08/21/2025	8270E
Q2936-02	MW-19B-082125	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	08/21/2025	8270E
Q2936-03	MW-19C-082125	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	08/21/2025	8270E
Q2936-04	FB-02-082125	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	08/21/2025	8270E

Date/Time 8/22/25 10:30
Raw Sample Received by: RS (Ext 266)
Raw Sample Relinquished by: RS (Ext 266)



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Gannett Fleming
ADDRESS: 1010 Abrams Ave
CITY: Audubon STATE: PA ZIP: 19403
ATTENTION: Joe Krupansky
PHONE: 610-301-8342 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Amtrak Replacement of
Santoth Bridges
PROJECT NO.: LOCATION: Kearny, NJ
PROJECT MANAGER: Joe Krupansky
e-mail: QAQC@bcnys.com
PHONE: 610-301-8342 FAX:

CLIENT BILLING INFORMATION

BILL TO: Alliance PO#:
ADDRESS: 284 Sheffield St
CITY: Mountainside STATE: NJ ZIP: 07092
ATTENTION: Yazmeen Gomez PHONE: 908-718-3198

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 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) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data) ☐ Other _____
☐ EDD FORMAT BEM

1. TCL-SVOCs+20
2. TCL-VOCs+10
3. PCBs
4. EPH
5. 5 TAL Metals
6. Cr(VI)/Cr(III)
7.
8.
9.

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		E	A	E	A	B	C				
1.	ENV-SW01	WS		G	8/21/25	940	8	X	X	X	X	X	X				
2.	ENV-SW02	WS		G		1015	8										
3.	ENV-SW03	WS		G		1100	8										
4.	ENV-SW04	WS		G		1130	8										
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>Natalie Zucce</u>	DATE/TIME: <u>8/21/25 11:45</u>	RECEIVED BY: 1. <u>CR</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>2.3</u> °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments: <u>IRGent #1</u>
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.	Page ____ of CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO

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	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2934 PORT06

Order Date : 8/21/2025 2:34:00 PM

Project Mgr :

Client Name : Portal Partners Tri-Venture

Project Name : Amtrak Sawtooth Bridges 2

Report Type : NJ Reduced

Client Contact : Joseph Krupansky

Receive Date/Time : 8/21/2025 2:35:00 PM

EDD Type : EXCEL NJCLEANUP

Invoice Name : Portal Partners Tri-Venture

Purchase Order :

Hard Copy Date :

Invoice Contact : Joseph Krupansky

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2934-01	ENV-SW01	Water	08/21/2025	09:40	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2934-02	ENV-SW02	Water	08/21/2025	10:15	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2934-03	ENV-SW03	Water	08/21/2025	11:00	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2934-04	ENV-SW04	Water	08/21/2025	11:30	VOC-TCLVOA-10		8260-Low	10 Bus. Days	

Relinquished By : CH

Date / Time : 8/21/25 1455

Received By : JE

Date / Time : 8/21/25 1455

Storage Area : VOA Refridgerator Room