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Cover Page

Order ID : P4675

Project ID : Harrington School

Client : Kleinfelder

Lab Sample Number	Client Sample Number
P4675-01	COMP-1
P4675-02	COMP-2
P4675-03	COMP-3
P4675-04	COMP-4
P4675-05	COMP-5
P4675-06	COMP-6

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: 11/12/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P4675**

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

QA Review Signature: **SOHIL JODHANI** **Date:** **11/12/2024**

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LAB CHRONICLE

OrderID:	P4675	**OrderDate:**	11/1/2024 11:22:00 AM
Client:	Kleinfelder	**Project:**	Harrington School
Contact:	Mark Warchol	**Location:**	K41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4675-01	**COMP-1**	**SOIL**			**10/31/24**			**11/01/24**
			SVOCMS Group1	8270E		11/04/24	11/04/24	
P4675-02	**COMP-2**	**SOIL**			**10/31/24**			**11/01/24**
			SVOCMS Group1	8270E		11/04/24	11/05/24	
P4675-03	**COMP-3**	**SOIL**			**10/31/24**			**11/01/24**
			SVOCMS Group1	8270E		11/04/24	11/04/24	
P4675-04	**COMP-4**	**SOIL**			**10/31/24**			**11/01/24**
			SVOCMS Group1	8270E		11/04/24	11/04/24	
P4675-05	**COMP-5**	**SOIL**			**10/31/24**			**11/01/24**
			SVOCMS Group1	8270E		11/04/24	11/05/24	
P4675-06	**COMP-6**	**SOIL**			**10/31/24**			**11/01/24**
			SVOCMS Group1	8270E		11/04/24	11/05/24	

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Hit Summary Sheet
SW-846

SDG No.: P4675

Client: Kleinfelder

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : COMP-2								
P4675-02	COMP-2	SOIL	Phenanthrene	140.000	JQ	97.9	200	ug/Kg
P4675-02	COMP-2	SOIL	Pyrene	180.000	J	96.7	200	ug/Kg
P4675-02	COMP-2	SOIL	Benzo(a)anthracene	110.000	JQ	94	200	ug/Kg
P4675-02	COMP-2	SOIL	Chrysene	100.000	JQ	92.6	200	ug/Kg
			Total Svoc :	**530.00**				
			Total Concentration:	**530.00**				

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: P4675

Client: Kleinfelder

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4675-01	COMP-1	Nitrobenzene-d5	100	57.5	57		18	107
		2-Fluorobiphenyl	100	62.8	63		20	109
		Terphenyl-d14	100	67.0	67		10	105
P4675-02	COMP-2	Nitrobenzene-d5	100	57.5	57		18	107
		2-Fluorobiphenyl	100	61.9	62		20	109
		Terphenyl-d14	100	66.4	66		10	105
P4675-03	COMP-3	Nitrobenzene-d5	100	63.3	63		18	107
		2-Fluorobiphenyl	100	66.9	67		20	109
		Terphenyl-d14	100	66.4	66		10	105
P4675-04	COMP-4	Nitrobenzene-d5	100	80.6	81		18	107
		2-Fluorobiphenyl	100	88.4	88		20	109
		Terphenyl-d14	100	83.8	84		10	105
P4675-04MS	COMP-4MS	Nitrobenzene-d5	100	72.5	73		18	107
		2-Fluorobiphenyl	100	79.3	79		20	109
		Terphenyl-d14	100	68.4	68		10	105
P4675-04MSD	COMP-4MSD	Nitrobenzene-d5	100	73.2	73		18	107
		2-Fluorobiphenyl	100	79.8	80		20	109
		Terphenyl-d14	100	72.0	72		10	105
P4675-05	COMP-5	Nitrobenzene-d5	100	62.6	63		18	107
		2-Fluorobiphenyl	100	69.2	69		20	109
		Terphenyl-d14	100	74.7	75		10	105
P4675-06	COMP-6	Nitrobenzene-d5	100	68.0	68		18	107
		2-Fluorobiphenyl	100	73.0	73		20	109
		Terphenyl-d14	100	76.1	76		10	105
PB164639BL	PB164639BL	Nitrobenzene-d5	100	91.2	91		18	107
		2-Fluorobiphenyl	100	97.7	98		20	109
		Terphenyl-d14	100	92.8	93		10	105
PB164639BS	PB164639BS	Nitrobenzene-d5	100	101	101		18	107
		2-Fluorobiphenyl	100	108	108		20	109
		Terphenyl-d14	100	107	107	*	10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4675

Client: Kleinfelder

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4675-04MS		**Client Sample ID: COMP-4MS**						**DataFile:**	**BE101460.D**		
Naphthalene	2000	0	2000	ug/Kg	100				72	110	
Fluorene	2000	0	2100	ug/Kg	105				68	116	
Phenanthrene	2000	0	2200	ug/Kg	110				52	128	
Anthracene	2000	0	2300	ug/Kg	115				62	124	
Pyrene	2000	0	1800	ug/Kg	90				26	142	
Benzo(a)anthracene	2000	0	2200	ug/Kg	110				71	114	
Chrysene	2000	0	2200	ug/Kg	110				57	121	
Benzo(b)fluoranthene	2000	0	2000	ug/Kg	100				67	121	
Benzo(a)pyrene	2000	0	2300	ug/Kg	115				70	142	
Indeno(1,2,3-cd)pyrene	2000	0	2200	ug/Kg	110				40	129	
Benzo(g,h,i)perylene	2000	0	2000	ug/Kg	100				24	125	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4675

Client: Kleinfelder

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4675-04MSD		**Client Sample ID: COMP-4MSD**						**DataFile: BE101461.D**			
Naphthalene	2000	0	2000	ug/Kg	100	0			72	110	20
Fluorene	2000	0	2000	ug/Kg	100	5			68	116	20
Phenanthrene	2000	0	2200	ug/Kg	110	0			52	128	20
Anthracene	2000	0	2300	ug/Kg	115	0			62	124	20
Pyrene	2000	0	1900	ug/Kg	95	5			26	142	20
Benzo(a)anthracene	2000	0	2200	ug/Kg	110	0			71	114	20
Chrysene	2000	0	2200	ug/Kg	110	0			57	121	20
Benzo(b)fluoranthene	2000	0	2000	ug/Kg	100	0			67	121	20
Benzo(a)pyrene	2000	0	2300	ug/Kg	115	0			70	142	20
Indeno(1,2,3-cd)pyrene	2000	0	2200	ug/Kg	110	0			40	129	20
Benzo(g,h,i)perylene	2000	0	2000	ug/Kg	100	0			24	125	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4675

Client: Kleinfelder

Analytical Method: 8270E **DataFile:** BE101474.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164639BS	Naphthalene	1700	1600	ug/Kg	94				62	100	
	Fluorene	1700	1600	ug/Kg	94				61	101	
	Phenanthrene	1700	1800	ug/Kg	106		*		59	103	
	Anthracene	1700	1900	ug/Kg	112		*		61	105	
	Pyrene	1700	1700	ug/Kg	100				59	103	
	Benzo(a)anthracene	1700	1900	ug/Kg	112		*		60	102	
	Chrysene	1700	1800	ug/Kg	106		*		59	101	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(a)pyrene	1700	1900	ug/Kg	112		*		63	103	
	Indeno(1,2,3-cd)pyrene	1700	1800	ug/Kg	106		*		63	101	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70	108	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164639BL

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG NO.: P4675

Lab File ID: BE101473.D Lab Sample ID: PB164639BL

Instrument ID: BNA_E Date Extracted: 11/04/2024

Matrix: (soil/water) SOIL Date Analyzed: 11/05/2024

Level: (low/med) LOW Time Analyzed: 11:33

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB164639BS	PB164639BS	BE101474.D	11/05/2024
COMP-5	P4675-05	BE101477.D	11/05/2024
COMP-6	P4675-06	BE101478.D	11/05/2024
COMP-1	P4675-01	BE101463.D	11/04/2024
COMP-3	P4675-03	BE101462.D	11/04/2024
COMP-4	P4675-04	BE101459.D	11/04/2024
COMP-4MS	P4675-04MS	BE101460.D	11/04/2024
COMP-4MSD	P4675-04MSD	BE101461.D	11/04/2024
COMP-2	P4675-02	BE101476.D	11/05/2024

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM SAS No.: P4675 SDG NO.: P4675

Lab File ID: BE101388.D DFTPP Injection Date: 10/28/2024

Instrument ID: BNA_E DFTPP Injection Time: 10:51

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	17.8
68	Less than 2.0% of mass 69	0.3 (1.5) 1
69	Mass 69 relative abundance	18.3
70	Less than 2.0% of mass 69	0.0 (0.1) 1
127	10.0 - 80.0% of mass 198	27.1
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	4
275	10.0 - 60.0% of mass 198	20
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	16.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	20.1 (20.1) 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	BE101389.D	10/28/2024	11:44
SSTDICC005	SSTDICC005	BE101390.D	10/28/2024	12:23
SSTDICC010	SSTDICC010	BE101391.D	10/28/2024	12:59
SSTDICC020	SSTDICC020	BE101392.D	10/28/2024	13:35
SSTDICCC040	SSTDICCC040	BE101393.D	10/28/2024	14:11
SSTDICC050	SSTDICC050	BE101394.D	10/28/2024	14:49
SSTDICC060	SSTDICC060	BE101395.D	10/28/2024	15:25
SSTDICC080	SSTDICC080	BE101396.D	10/28/2024	16:01

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM SAS No.: P4675 SDG NO.: P4675

Lab File ID: BE101452.D DFTPP Injection Date: 11/04/2024

Instrument ID: BNA_E DFTPP Injection Time: 12:13

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	14.6
68	Less than 2.0% of mass 69	0.2 (1.6) 1
69	Mass 69 relative abundance	15.5
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	22
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	3.6
275	10.0 - 60.0% of mass 198	17.7
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	16.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BE101453.D	11/04/2024	12:49
COMP-4	P4675-04	BE101459.D	11/04/2024	17:27
COMP-4MS	P4675-04MS	BE101460.D	11/04/2024	18:02
COMP-4MSD	P4675-04MSD	BE101461.D	11/04/2024	18:38
COMP-3	P4675-03	BE101462.D	11/04/2024	19:14
COMP-1	P4675-01	BE101463.D	11/04/2024	19:50

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM SAS No.: P4675 SDG NO.: P4675

Lab File ID: BE101471.D DFTPP Injection Date: 11/05/2024

Instrument ID: BNA_E DFTPP Injection Time: 10:12

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	14
68	Less than 2.0% of mass 69	0.2 (1.5) 1
69	Mass 69 relative abundance	15.1
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	22
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	3.4
275	10.0 - 60.0% of mass 198	17.6
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	16.4
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	BE101472.D	11/05/2024	10:48
PB164639BL	PB164639BL	BE101473.D	11/05/2024	11:33
PB164639BS	PB164639BS	BE101474.D	11/05/2024	12:09
COMP-2	P4675-02	BE101476.D	11/05/2024	13:20
COMP-5	P4675-05	BE101477.D	11/05/2024	13:56
COMP-6	P4675-06	BE101478.D	11/05/2024	14:32

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG NO.: P4675

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/04/2024

Lab File ID: BE101453.D Time Analyzed: 12:49

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	101222	7.57	465351	10.34	319103	14.19
	UPPER LIMIT	202444	8.07	930702	10.843	638206	14.686
	LOWER LIMIT	50611	7.07	232676	9.843	159552	13.686
	EPA SAMPLE NO.						
01	COMP-4	61796	7.57	248097	10.34	157598 *	14.18
02	COMP-1	57409	7.57	246070	10.34	168001	14.18
03	COMP-3	61218	7.57	261412	10.34	173354	14.18
04	COMP-4MS	55119	7.57	225817 *	10.34	137542 *	14.18
05	COMP-4MSD	62622	7.57	255715	10.34	157541 *	14.18

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG NO.: P4675

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/04/2024

Lab File ID: BE101453.D Time Analyzed: 12:49

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	704364	16.924	756056	21.084	973527	23.375
	UPPER LIMIT	1408730	17.424	1512110	21.584	1947050	23.875
	LOWER LIMIT	352182	16.424	378028	20.584	486764	22.875
	EPA SAMPLE NO.						
01	COMP-4	362960	16.92	488975	21.08	682027	23.36
02	COMP-1	408296	16.91	504276	21.07	686079	23.36
03	COMP-3	407280	16.91	534040	21.07	731364	23.36
04	COMP-4MS	319377 *	16.92	506438	21.08	716658	23.37
05	COMP-4MSD	337929 *	16.92	477689	21.08	708395	23.37

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG NO.: P4675

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/05/2024

Lab File ID: BE101472.D Time Analyzed: 10:48

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	77150	7.57	373279	10.34	260925	14.18
	UPPER LIMIT	154300	8.07	746558	10.838	521850	14.68
	LOWER LIMIT	38575	7.07	186640	9.838	130463	13.68
	EPA SAMPLE NO.						
01	PB164639BL	69685	7.57	281108	10.34	180533	14.18
02	PB164639BS	58093	7.57	260393	10.34	175308	14.18
03	COMP-2	54196	7.57	232476	10.34	158291	14.18
04	COMP-5	56416	7.57	246833	10.34	168866	14.17
05	COMP-6	60105	7.57	260070	10.34	173496	14.18

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

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

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

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG NO.: P4675

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/05/2024

Lab File ID: BE101472.D Time Analyzed: 10:48

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	585617	16.918	614200	21.084	775519	23.369
	UPPER LIMIT	1171230	17.418	1228400	21.584	1551040	23.869
	LOWER LIMIT	292809	16.418	307100	20.584	387760	22.869
	EPA SAMPLE NO.						
01	PB164639BL	412460	16.92	536197	21.08	732979	23.37
02	PB164639BS	370232	16.92	432772	21.08	625016	23.37
03	COMP-2	377849	16.92	468893	21.08	597551	23.36
04	COMP-5	390418	16.91	464212	21.07	593646	23.36
05	COMP-6	409836	16.91	472315	21.07	608790	23.36

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

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

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

SAMPLE DATA

Raw Data: **BE101463.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-1			SDG No.:	P4675
Lab Sample ID:	P4675-01			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	77.9
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101463.D	1	11/04/24 08:45	11/04/24 19:50	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	110	U	110	220	ug/Kg
86-73-7	Fluorene	110	U	110	220	ug/Kg
85-01-8	Phenanthrene	110	UQ	110	220	ug/Kg
120-12-7	Anthracene	110	UQ	110	220	ug/Kg
129-00-0	Pyrene	110	U	110	220	ug/Kg
56-55-3	Benzo(a)anthracene	100	UQ	100	220	ug/Kg
218-01-9	Chrysene	100	UQ	100	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	U	100	220	ug/Kg
50-32-8	Benzo(a)pyrene	120	UQ	120	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	100	UQ	100	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	U	100	220	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	57.5		18 - 107	57%	SPK: 100
321-60-8	2-Fluorobiphenyl	62.8		20 - 109	63%	SPK: 100
1718-51-0	Terphenyl-d14	67.0		10 - 105	67%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	57400	7.57			
1146-65-2	Naphthalene-d8	246000	10.338			
15067-26-2	Acenaphthene-d10	168000	14.18			
1517-22-2	Phenanthrene-d10	408000	16.912			
1719-03-5	Chrysene-d12	504000	21.072			
1520-96-3	Perylene-d12	686000	23.364			

Raw Data: **BE101463.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-1			SDG No.:	P4675
Lab Sample ID:	P4675-01			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	77.9
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101463.D	1	11/04/24 08:45	11/04/24 19:50	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **BE101463.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110424\
Data File : BE101463.D
Acq On : 4 Nov 2024 19:50
Operator : RC/JU
Sample : P4675-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
COMP-1

Quant Time: Nov 04 22:07:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

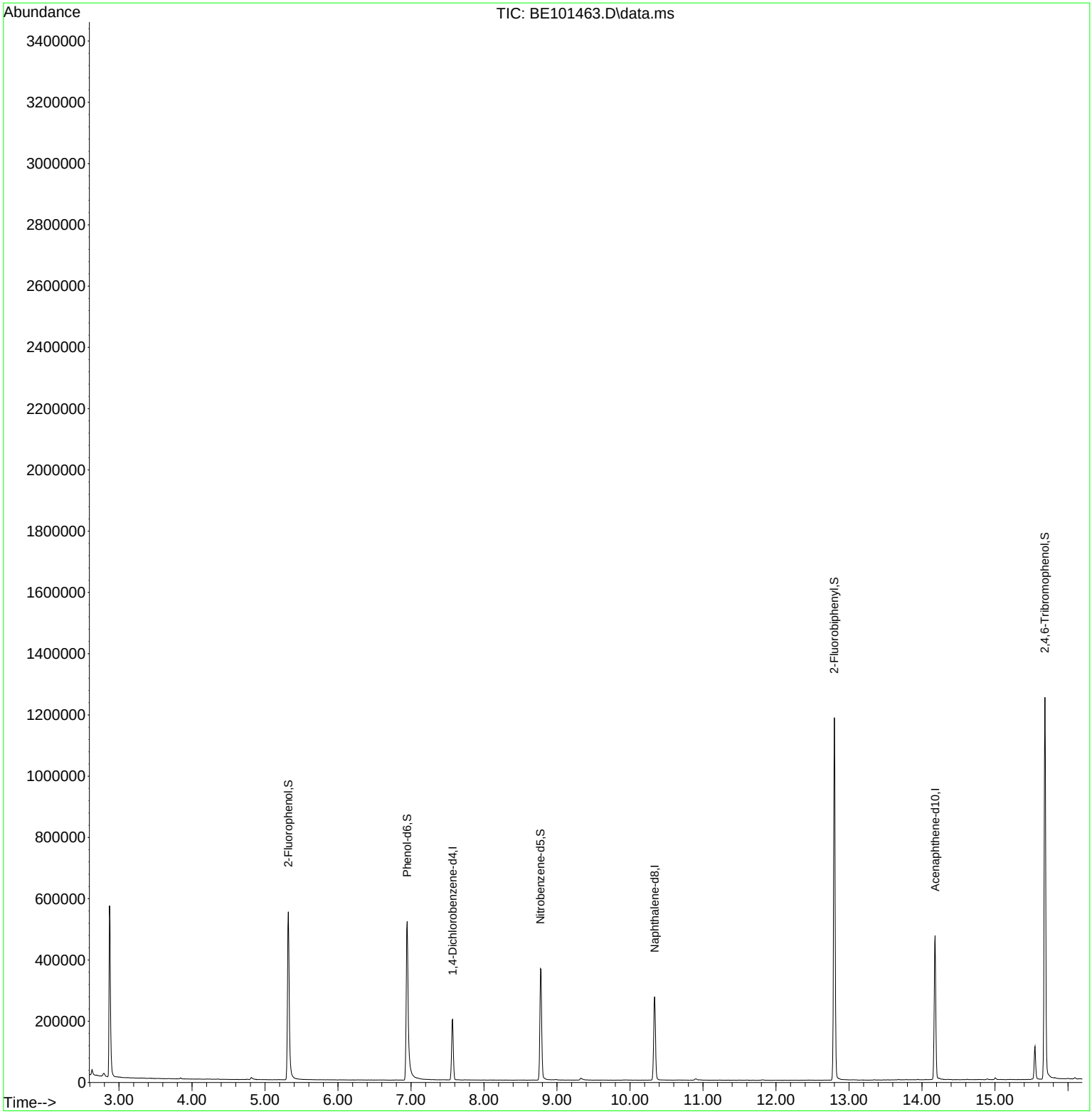
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.570	152	57409	20.000	ng	0.00
21) Naphthalene-d8	10.338	136	246070	20.000	ng	0.00
39) Acenaphthene-d10	14.180	164	168001	20.000	ng	0.00
64) Phenanthrene-d10	16.912	188	408296	20.000	ng	0.00
76) Chrysene-d12	21.072	240	504276	20.000	ng	0.00
86) Perylene-d12	23.364	264	686079	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.320	112	297805	90.918	ng	0.00
7) Phenol-d6	6.948	99	410773	90.442	ng	0.00
23) Nitrobenzene-d5	8.775	82	225213	57.485	ng	-0.01
42) 2,4,6-Tribromophenol	15.684	330	311496	105.789	ng	0.00
45) 2-Fluorobiphenyl	12.800	172	622552	62.756	ng	0.00
79) Terphenyl-d14	19.509	244	1469048	67.048	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110424\
Data File : BE101463.D
Acq On : 4 Nov 2024 19:50
Operator : RC/JU
Sample : P4675-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
COMP-1

Quant Time: Nov 04 22:07:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

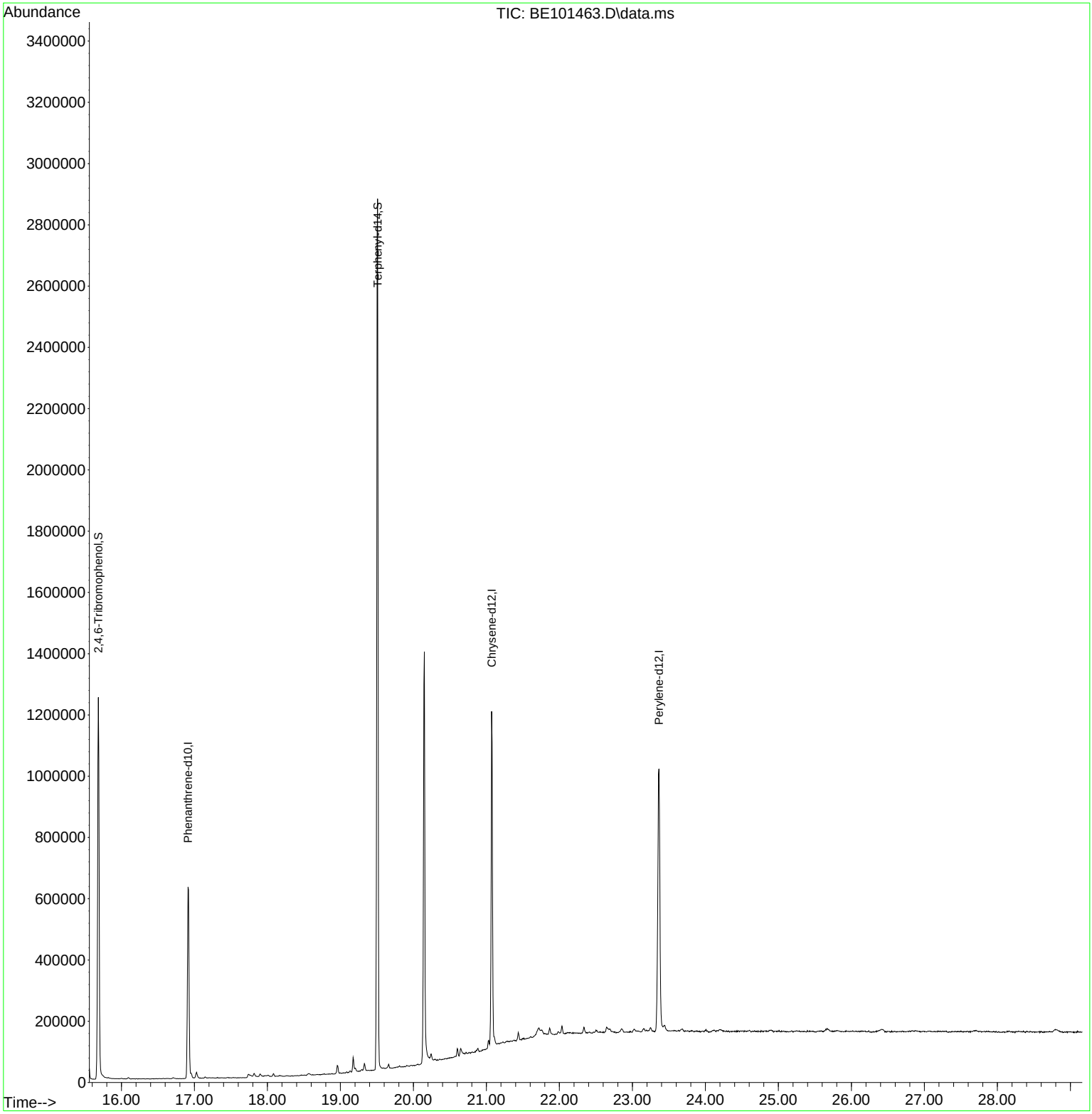


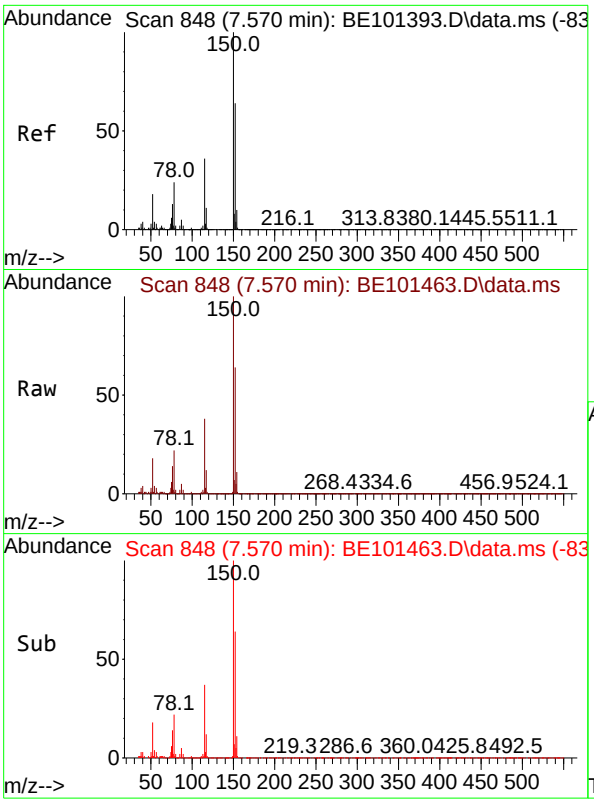
Sample Results: **BE101463.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110424\
Data File : BE101463.D
Acq On : 4 Nov 2024 19:50
Operator : RC/JU
Sample : P4675-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
COMP-1

Quant Time: Nov 04 22:07:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration



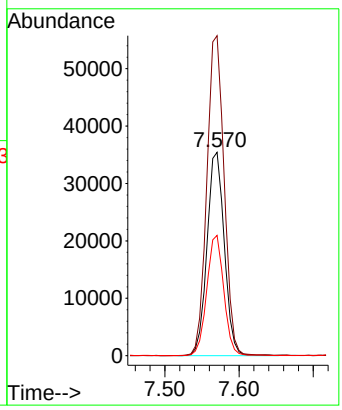


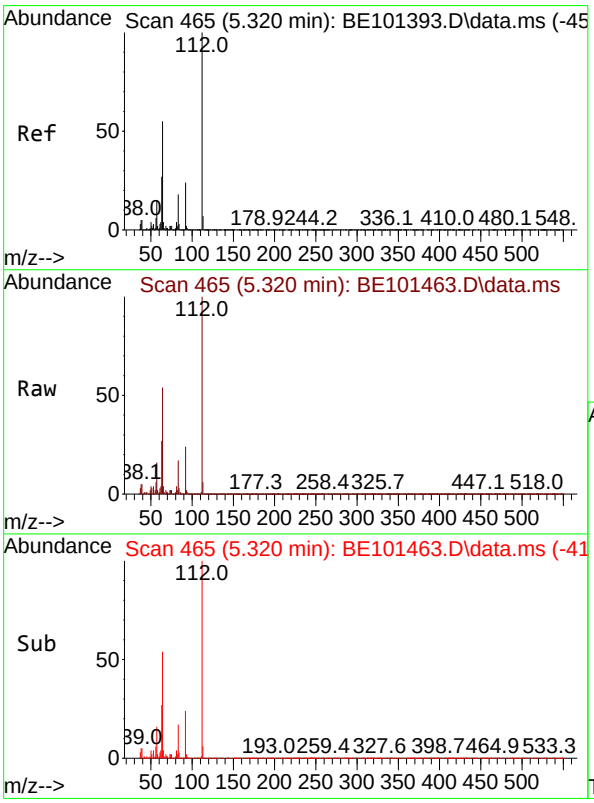
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.570 min Scan# 84
Delta R.T. 0.000 min
Lab File: BE101463.D
Acq: 4 Nov 2024 19:50

Instrument :
BNA_E
ClientSampleId :
COMP-1

Tgt Ion:152 Resp: 57409

Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.2	186.4
115	59.1	45.3	67.9

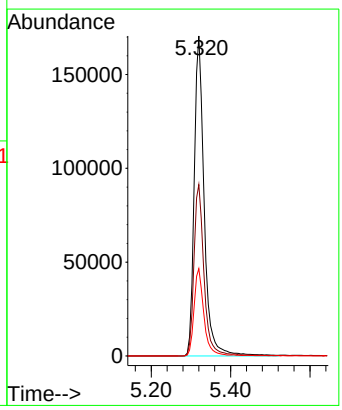


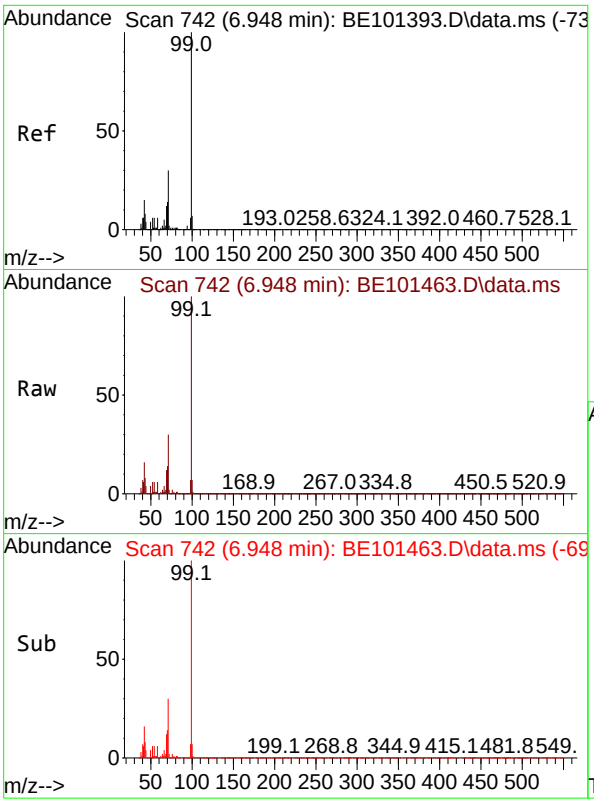


#5
2-Fluorophenol
Concen: 90.918 ng
RT: 5.320 min Scan# 465
Delta R.T. -0.000 min
Lab File: BE101463.D
Acq: 4 Nov 2024 19:50

Tgt Ion:112 Resp: 297805

Ion	Ratio	Lower	Upper
112	100		
64	53.5	43.7	65.5
63	27.3	21.4	32.2



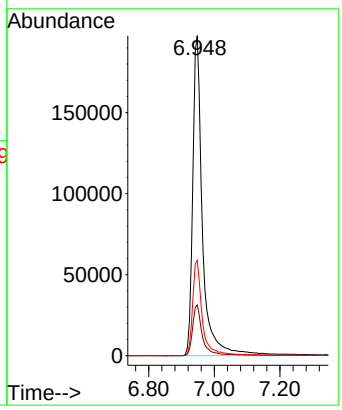


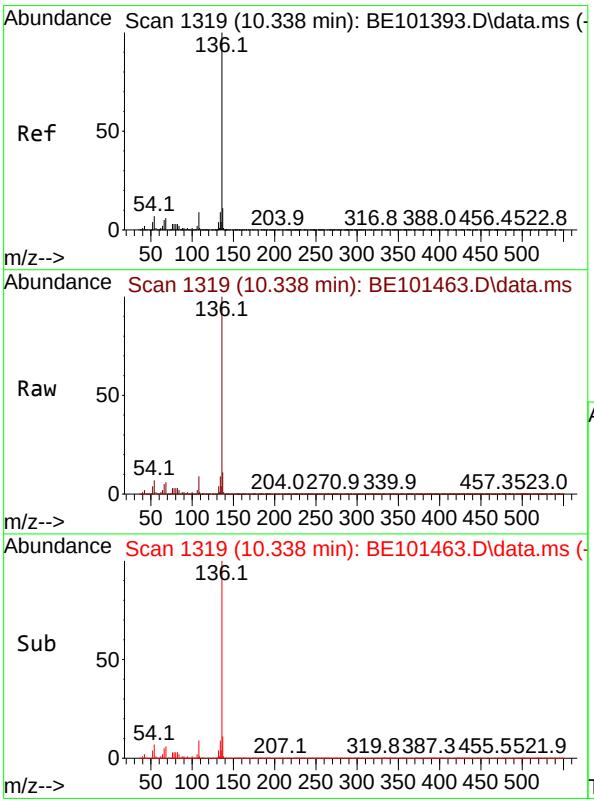
#7
Phenol-d6
Concen: 90.442 ng
RT: 6.948 min Scan# 7
Delta R.T. -0.000 min
Lab File: BE101463.D
Acq: 4 Nov 2024 19:50

Instrument :
BNA_E
ClientSampleId :
COMP-1

Tgt Ion: 99 Resp: 410773

Ion	Ratio	Lower	Upper
99	100		
42	15.9	12.3	18.5
71	29.8	23.8	35.8

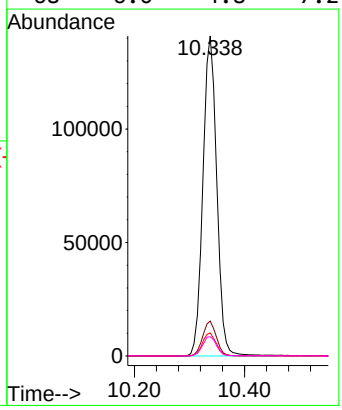


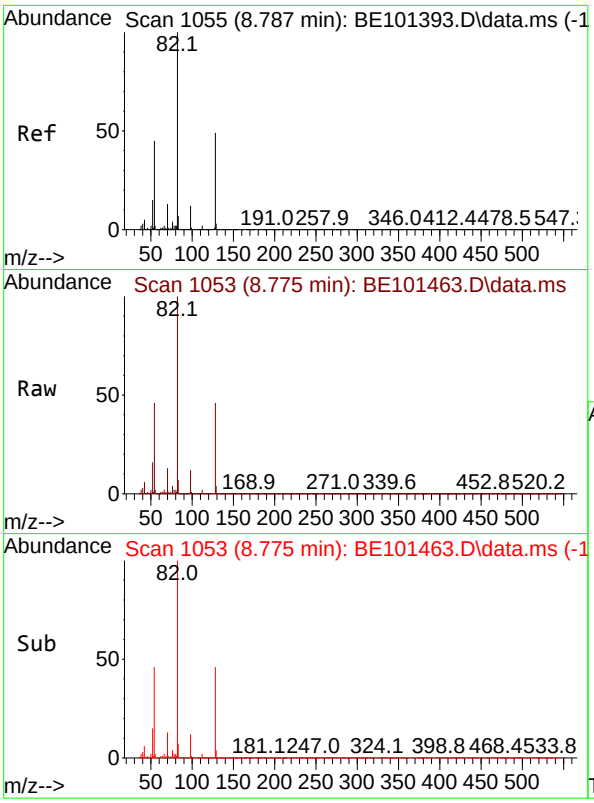


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.338 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BE101463.D
Acq: 4 Nov 2024 19:50

Tgt Ion:136 Resp: 246070

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.6
54	7.2	5.9	8.9
68	6.0	4.8	7.2



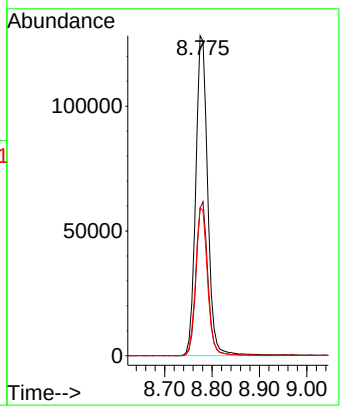


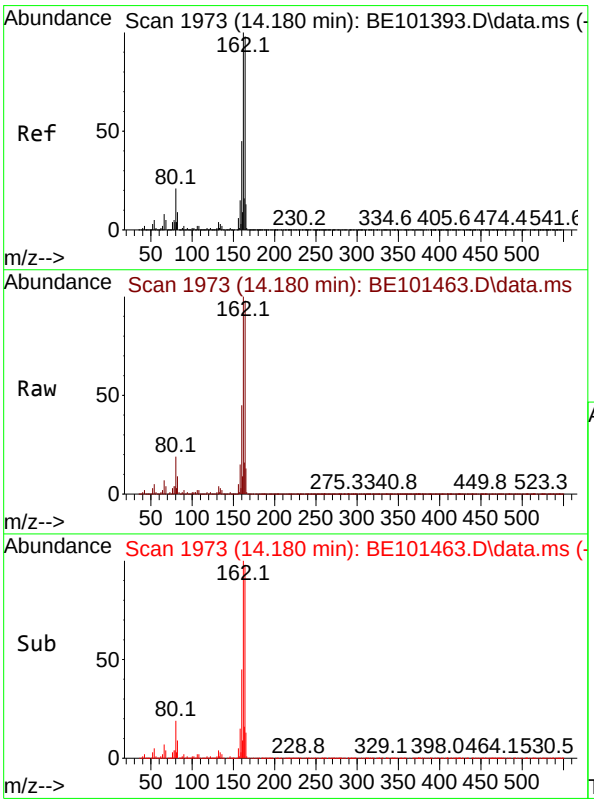
#23
Nitrobenzene-d5
Concen: 57.485 ng
RT: 8.775 min Scan# 1
Delta R.T. -0.012 min
Lab File: BE101463.D
Acq: 4 Nov 2024 19:50

Instrument :
BNA_E
ClientSampleId :
COMP-1

Tgt Ion: 82 Resp: 225213

Ion	Ratio	Lower	Upper
82	100		
128	46.0	38.9	58.3
54	46.2	36.2	54.4

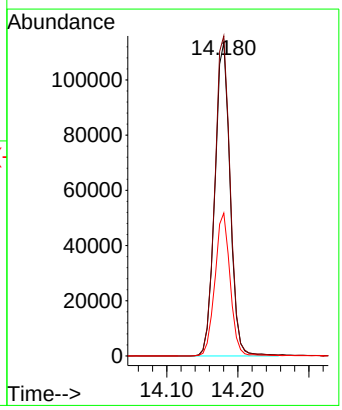


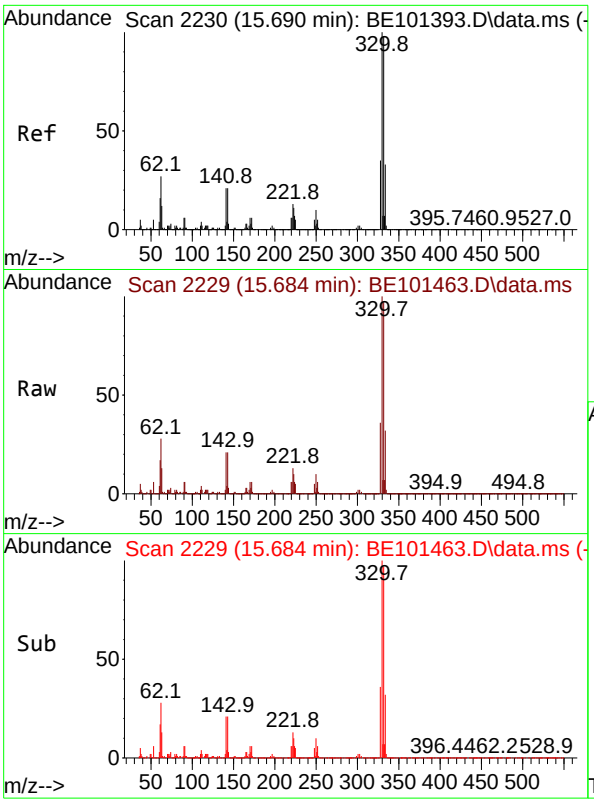


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.180 min Scan# 1973
Delta R.T. -0.000 min
Lab File: BE101463.D
Acq: 4 Nov 2024 19:50

Tgt Ion:164 Resp: 168001

Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.3	121.9
160	45.6	36.4	54.6



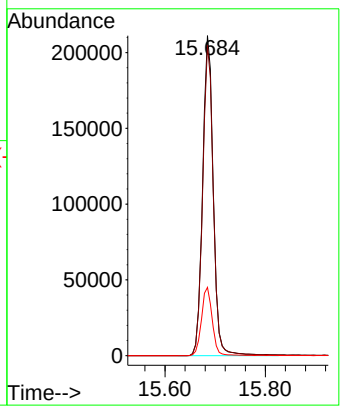


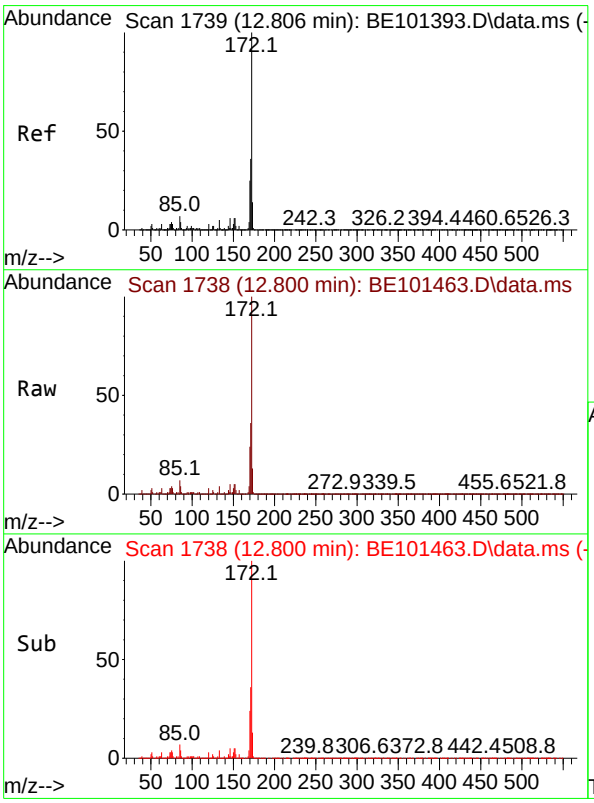
#42
2,4,6-Tribromophenol
Concen: 105.789 ng
RT: 15.684 min Scan# 2
Delta R.T. -0.006 min
Lab File: BE101463.D
Acq: 4 Nov 2024 19:50

Instrument :
BNA_E
ClientSampleId :
COMP-1

Tgt Ion:330 Resp: 311496

Ion	Ratio	Lower	Upper
330	100		
332	96.8	78.2	117.2
141	21.6	18.3	27.5

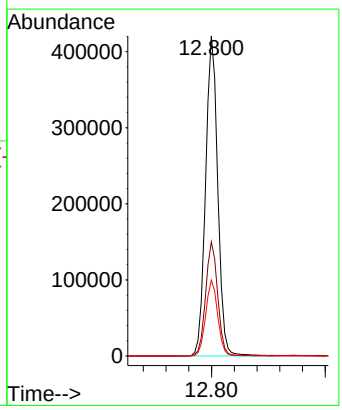


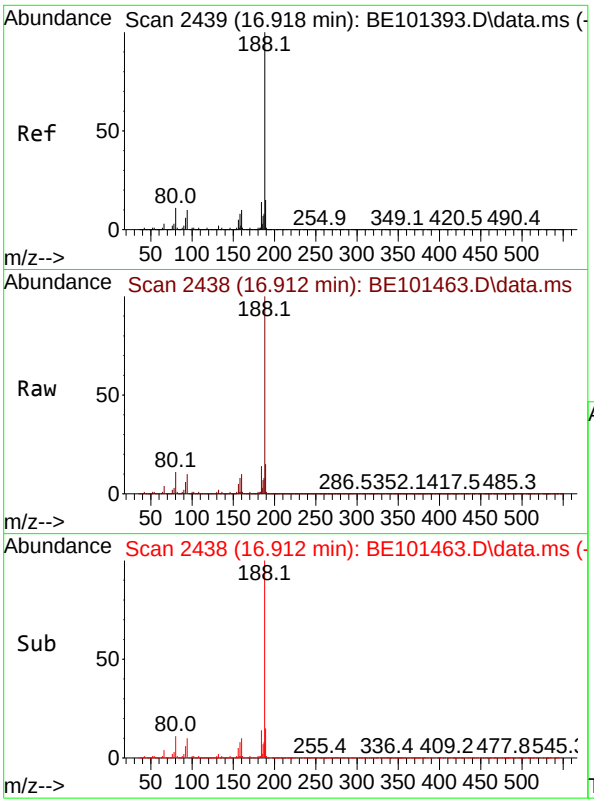


#45
2-Fluorobiphenyl
Concen: 62.756 ng
RT: 12.800 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BE101463.D
Acq: 4 Nov 2024 19:50

Tgt Ion:172 Resp: 622552

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.2	43.8
170	23.7	19.8	29.6



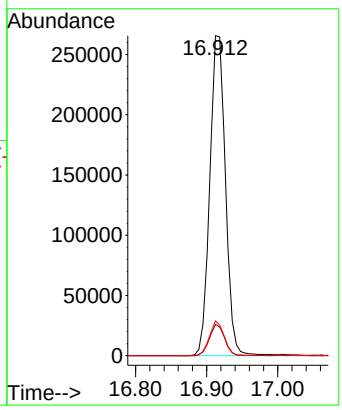


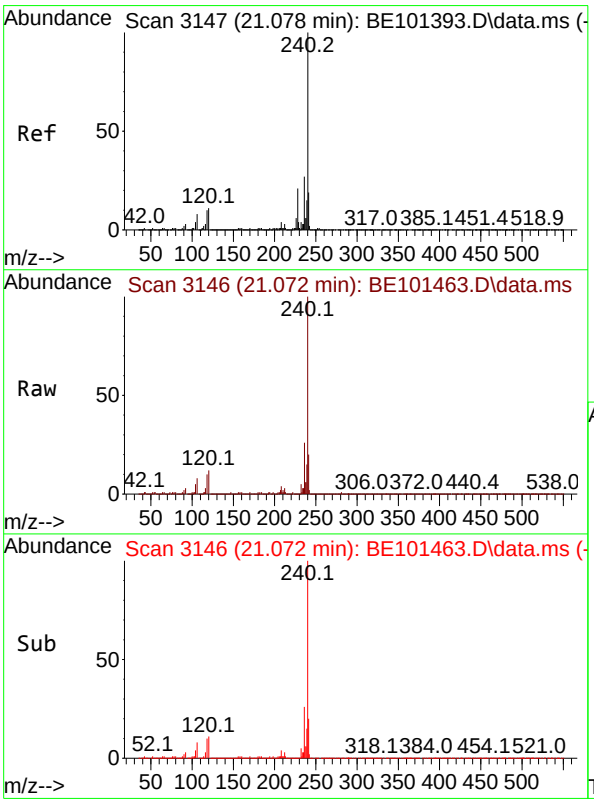
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.912 min Scan# 24
Delta R.T. -0.006 min
Lab File: BE101463.D
Acq: 4 Nov 2024 19:50

Instrument :
BNA_E
ClientSampleId :
COMP-1

Tgt Ion:188 Resp: 408296

Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.8	11.8
80	10.9	8.6	12.8

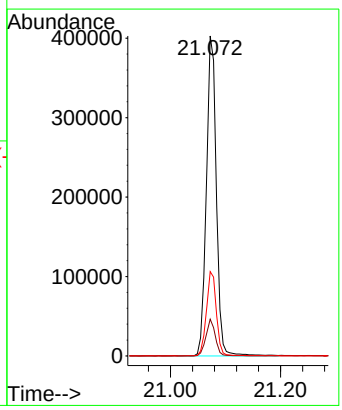


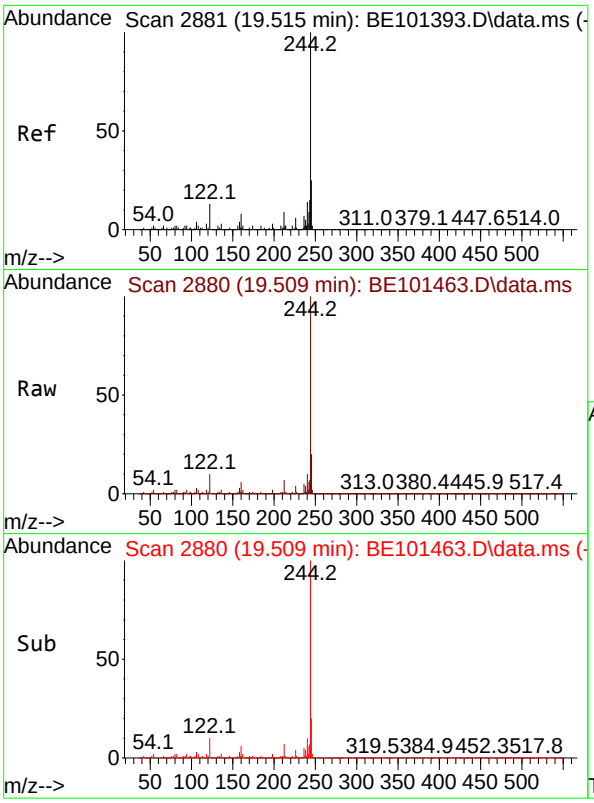


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.072 min Scan# 3146
Delta R.T. -0.006 min
Lab File: BE101463.D
Acq: 4 Nov 2024 19:50

Tgt Ion:240 Resp: 504276

Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.0	13.4
236	26.4	21.4	32.0



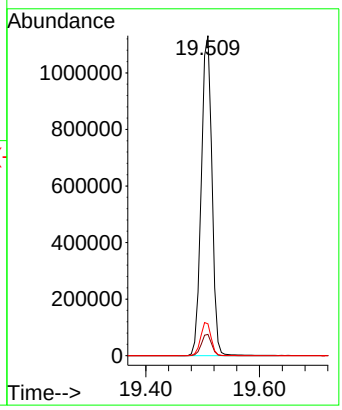


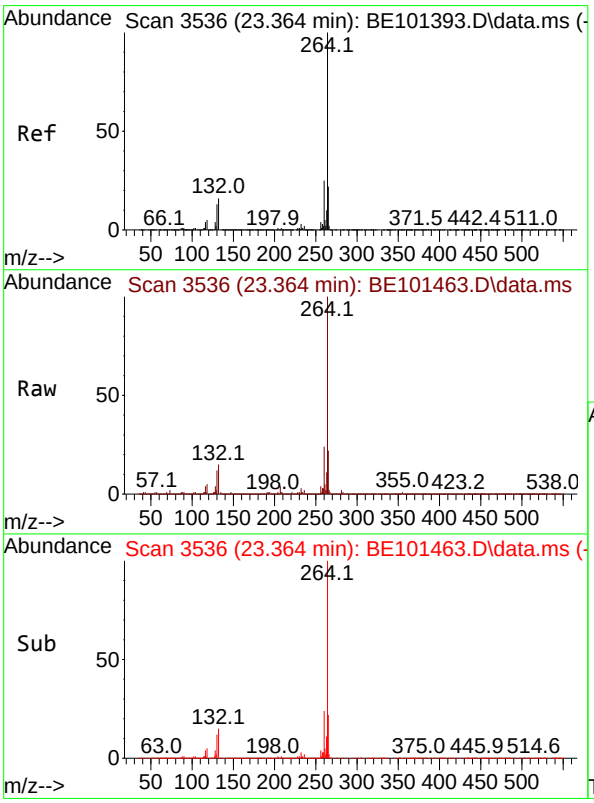
#79
Terphenyl-d14
Concen: 67.048 ng
RT: 19.509 min Scan# 2
Delta R.T. -0.006 min
Lab File: BE101463.D
Acq: 4 Nov 2024 19:50

Instrument :
BNA_E
ClientSampleId :
COMP-1

Tgt Ion:244 Resp: 1469048

Ion	Ratio	Lower	Upper
244	100		
212	6.7	7.2	10.8#
122	9.9	10.4	15.6#

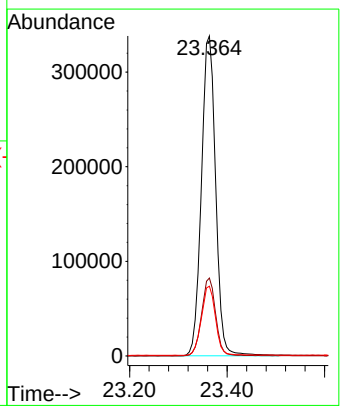




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.364 min Scan# 3536
Delta R.T. -0.000 min
Lab File: BE101463.D
Acq: 4 Nov 2024 19:50

Tgt Ion:264 Resp: 686079

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.8	29.8
265	21.8	17.6	26.4



Raw Data: **BE101476.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-2			SDG No.:	P4675
Lab Sample ID:	P4675-02			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	85.7
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101476.D	1	11/04/24 08:45	11/05/24 13:20	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	96.2	U	96.2	200	ug/Kg
86-73-7	Fluorene	99.6	U	99.6	200	ug/Kg
85-01-8	Phenanthrene	140	JQ	97.9	200	ug/Kg
120-12-7	Anthracene	98.3	UQ	98.3	200	ug/Kg
129-00-0	Pyrene	180	J	96.7	200	ug/Kg
56-55-3	Benzo(a)anthracene	110	JQ	94.0	200	ug/Kg
218-01-9	Chrysene	100	JQ	92.6	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	94.5	U	94.5	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	UQ	110	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	91.0	UQ	91.0	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	93.3	U	93.3	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	57.5		18 - 107	57%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.9		20 - 109	62%	SPK: 100
1718-51-0	Terphenyl-d14	66.4		10 - 105	66%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	54200	7.57			
1146-65-2	Naphthalene-d8	232000	10.337			
15067-26-2	Acenaphthene-d10	158000	14.18			
1517-22-2	Phenanthrene-d10	378000	16.918			
1719-03-5	Chrysene-d12	469000	21.077			
1520-96-3	Perylene-d12	598000	23.363			

Raw Data: **BE101476.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-2			SDG No.:	P4675
Lab Sample ID:	P4675-02			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	85.7
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101476.D	1	11/04/24 08:45	11/05/24 13:20	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **BE101476.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
Data File : BE101476.D
Acq On : 5 Nov 2024 13:20
Operator : RC/JU
Sample : P4675-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 05 13:06:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
COMP-2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.570	152	54196	20.000	ng	0.00
21) Naphthalene-d8	10.337	136	232476	20.000	ng	0.00
39) Acenaphthene-d10	14.180	164	158291	20.000	ng	0.00
64) Phenanthrene-d10	16.918	188	377849	20.000	ng	0.00
76) Chrysene-d12	21.077	240	468893	20.000	ng	0.00
86) Perylene-d12	23.363	264	597551	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.319	112	281954	91.182	ng	0.00
7) Phenol-d6	6.947	99	372313	86.834	ng	0.00
23) Nitrobenzene-d5	8.774	82	212712	57.469	ng	-0.01
42) 2,4,6-Tribromophenol	15.684	330	250898	90.436	ng	0.00
45) 2-Fluorobiphenyl	12.799	172	578229	61.864	ng	0.00
79) Terphenyl-d14	19.509	244	1353479	66.435	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	16.953	178	64575	3.569	ng	98
75) Fluoranthene	18.962	202	134883	6.139	ng	95
78) Pyrene	19.327	202	116413	4.515	ng	96
81) Benzo(a)anthracene	21.054	228	74209	2.816	ng	95
83) Chrysene	21.107	228	68005	2.669	ng	95
88) Benzo(b)fluoranthene	22.652	252	72955m	2.343	ng	
90) Benzo(a)pyrene	23.251	252	68692	2.522	ng	99

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

Sample Results: **BE101476.D**

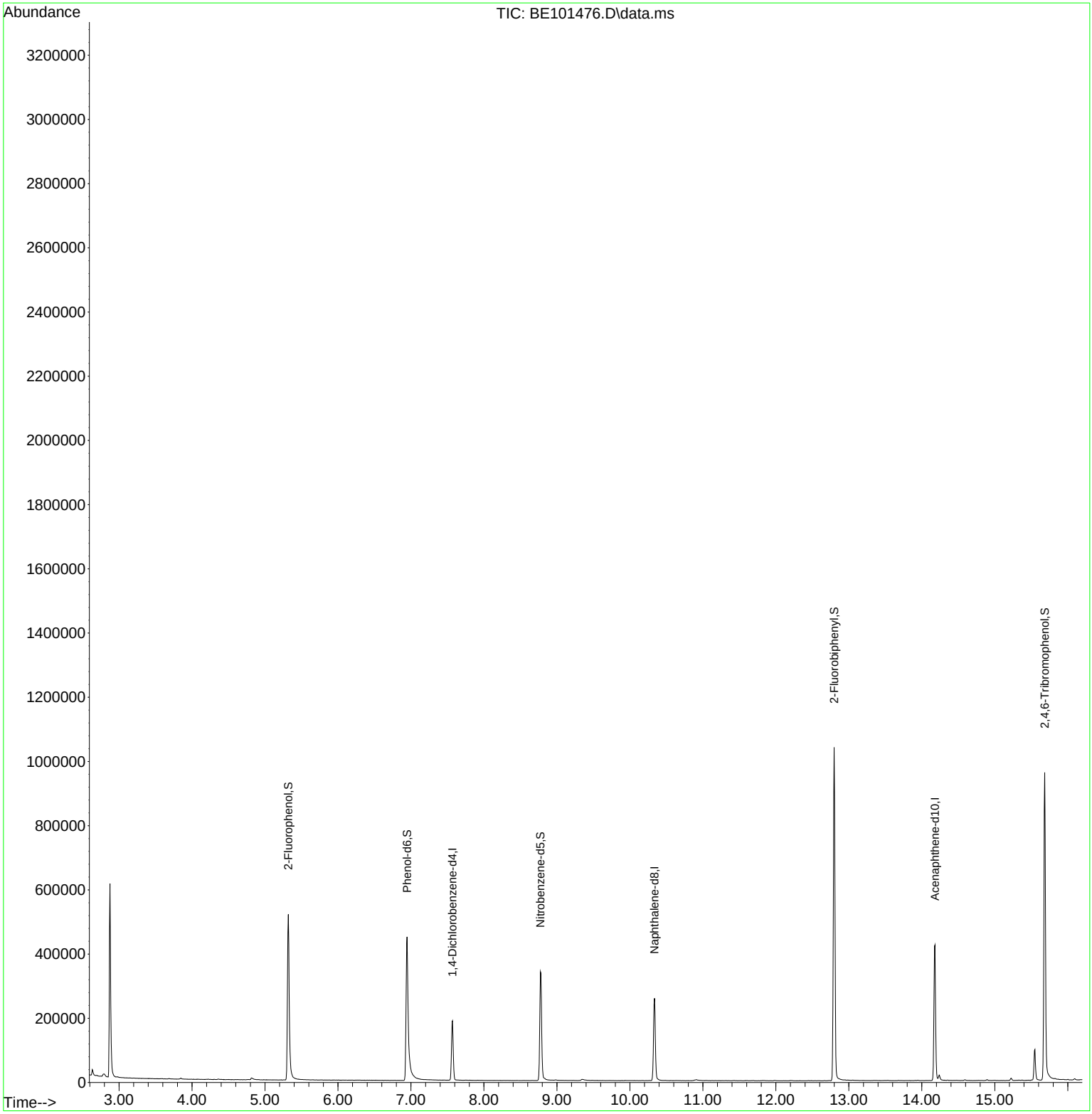
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
Data File : BE101476.D
Acq On : 5 Nov 2024 13:20
Operator : RC/JU
Sample : P4675-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 05 13:06:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
COMP-2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
Data File : BE101476.D
Acq On : 5 Nov 2024 13:20
Operator : RC/JU
Sample : P4675-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 05 13:06:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
COMP-2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/06/2024
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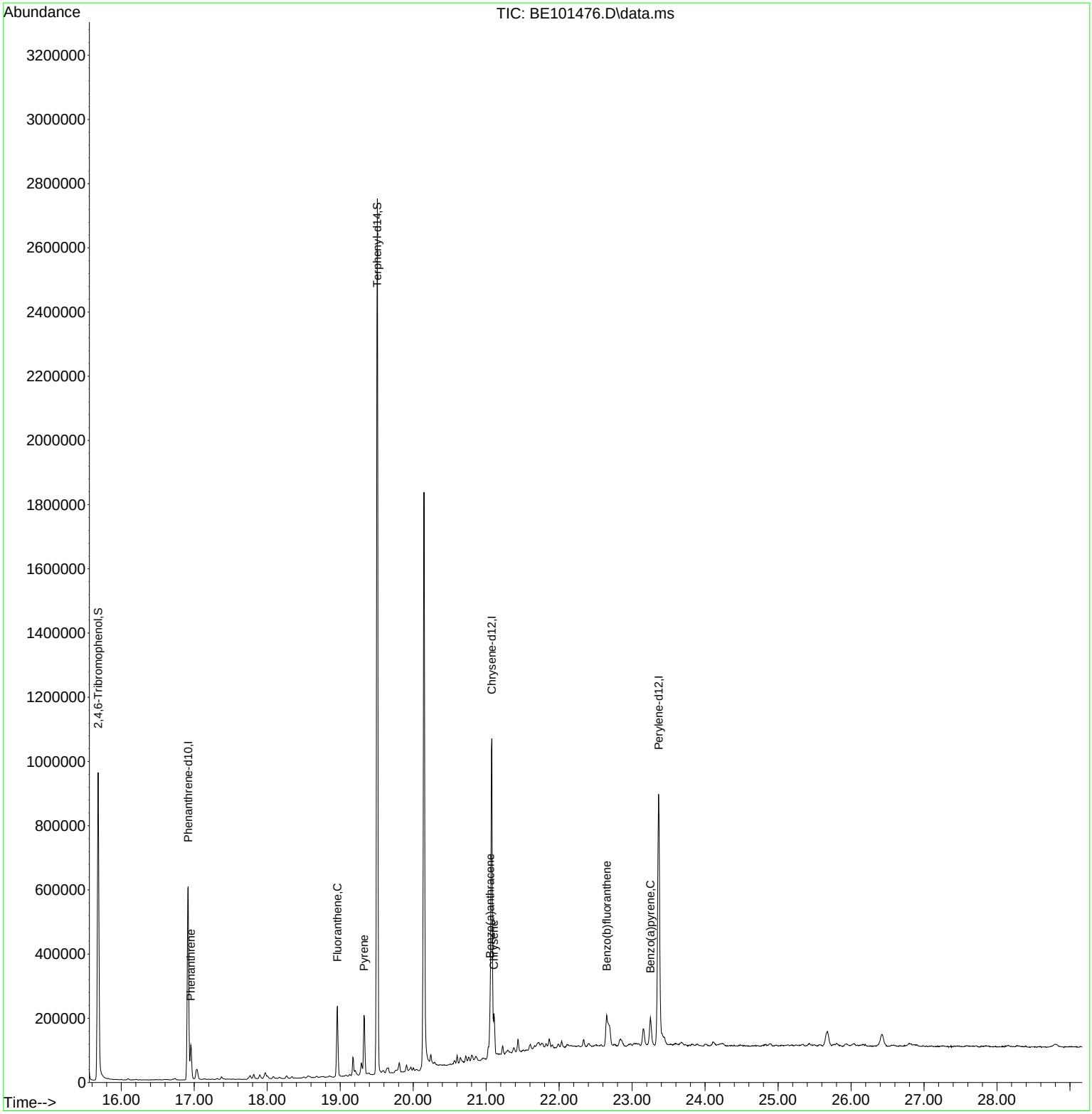
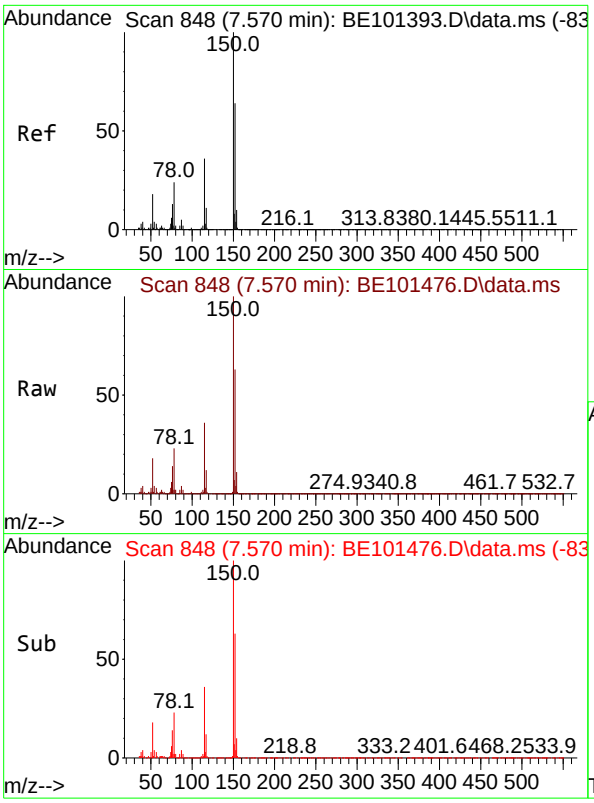
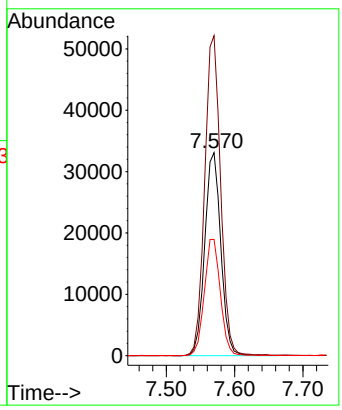




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.570 min Scan# 84
Delta R.T. -0.000 min
Lab File: BE101476.D
Acq: 5 Nov 2024 13:20

Tgt Ion:152 Resp: 5419

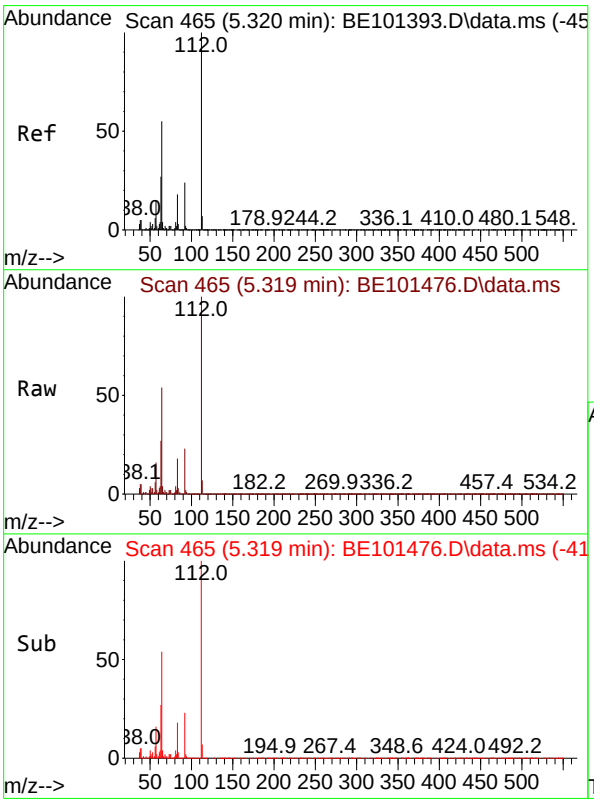
Ion	Ratio	Lower	Upper
152	100		
150	157.7	124.2	186.4
115	57.3	45.3	67.9



Instrument :
BNA_E
ClientSampleId :
COMP-2

Manual Integrations
APPROVED

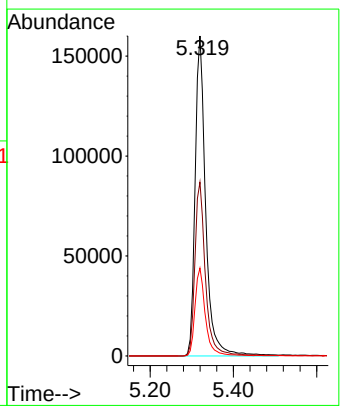
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

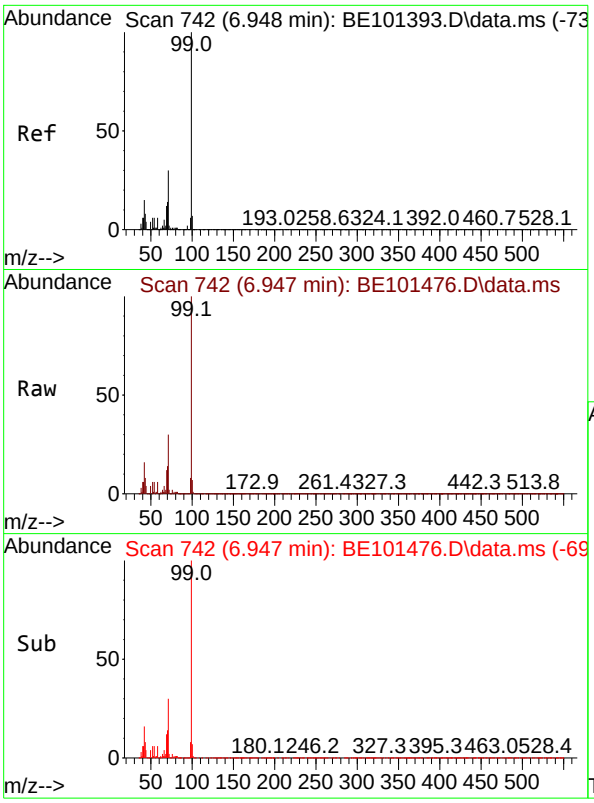


#5
2-Fluorophenol
Concen: 91.182 ng
RT: 5.319 min Scan# 465
Delta R.T. -0.001 min
Lab File: BE101476.D
Acq: 5 Nov 2024 13:20

Tgt Ion:112 Resp: 281954

Ion	Ratio	Lower	Upper
112	100		
64	54.3	43.7	65.5
63	27.4	21.4	32.2

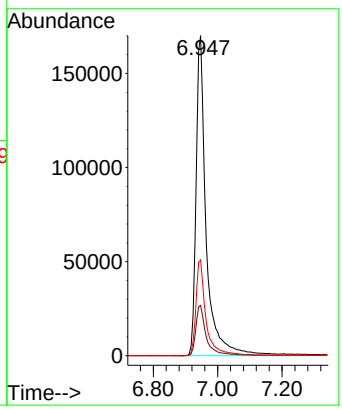




#7
Phenol-d6
Concen: 86.834 ng
RT: 6.947 min Scan# 74
Delta R.T. -0.001 min
Lab File: BE101476.D
Acq: 5 Nov 2024 13:20

Tgt Ion: 99 Resp: 37231

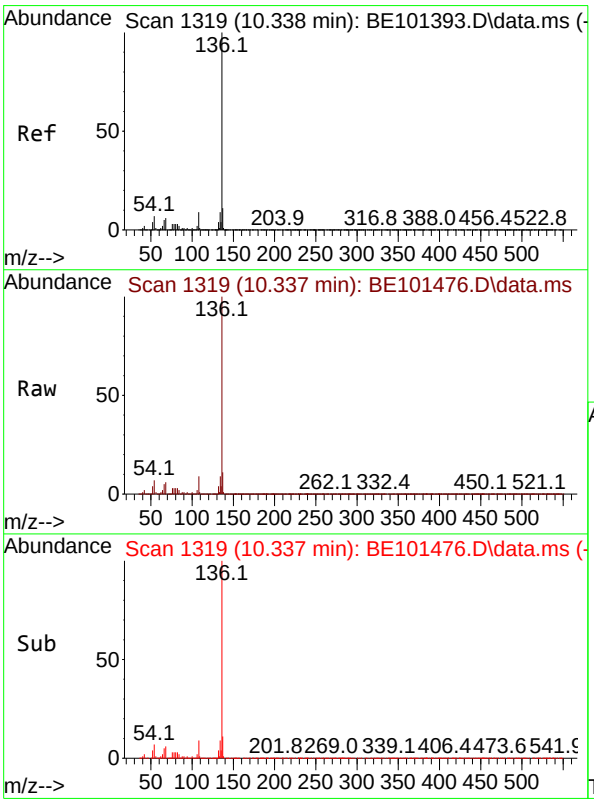
Ion	Ratio	Lower	Upper
99	100		
42	15.7	12.3	18.5
71	29.9	23.8	35.8



Instrument :
BNA_E
ClientSampleId :
COMP-2

Manual Integrations
APPROVED

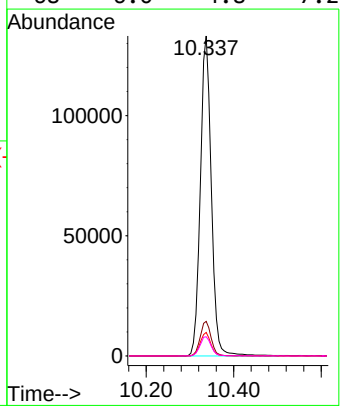
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

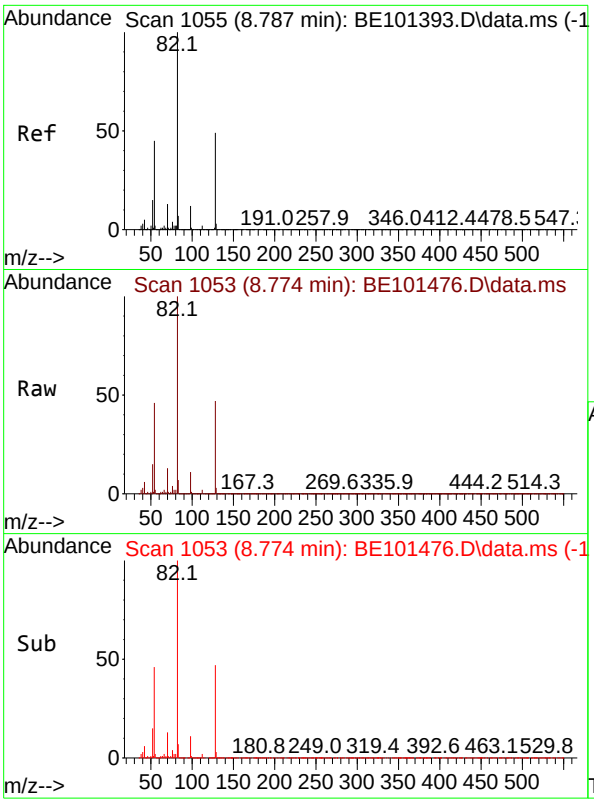


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.337 min Scan# 1319
Delta R.T. -0.001 min
Lab File: BE101476.D
Acq: 5 Nov 2024 13:20

Tgt Ion:136 Resp: 232476

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.6
54	7.4	5.9	8.9
68	6.0	4.8	7.2

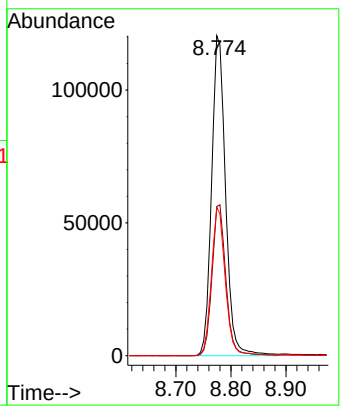




#23
Nitrobenzene-d5
Concen: 57.469 ng
RT: 8.774 min Scan# 1
Delta R.T. -0.013 min
Lab File: BE101476.D
Acq: 5 Nov 2024 13:20

Tgt Ion: 82 Resp: 21271

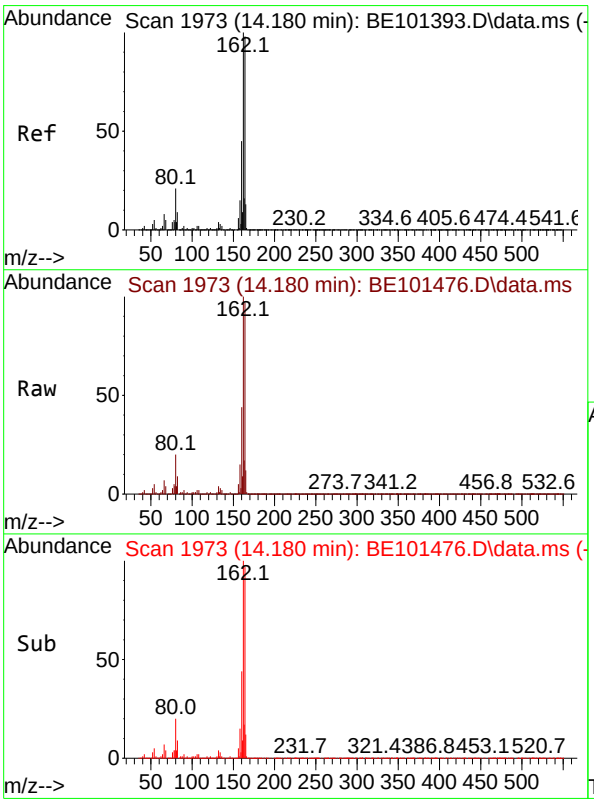
Ion	Ratio	Lower	Upper
82	100		
128	46.6	38.9	58.3
54	46.4	36.2	54.4



Instrument :
BNA_E
ClientSampleId :
COMP-2

Manual Integrations
APPROVED

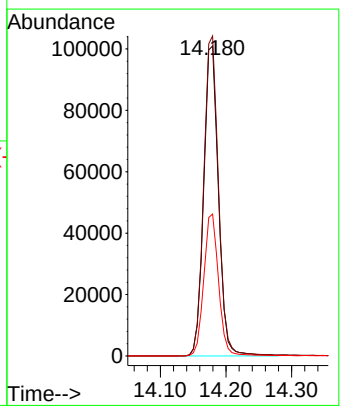
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

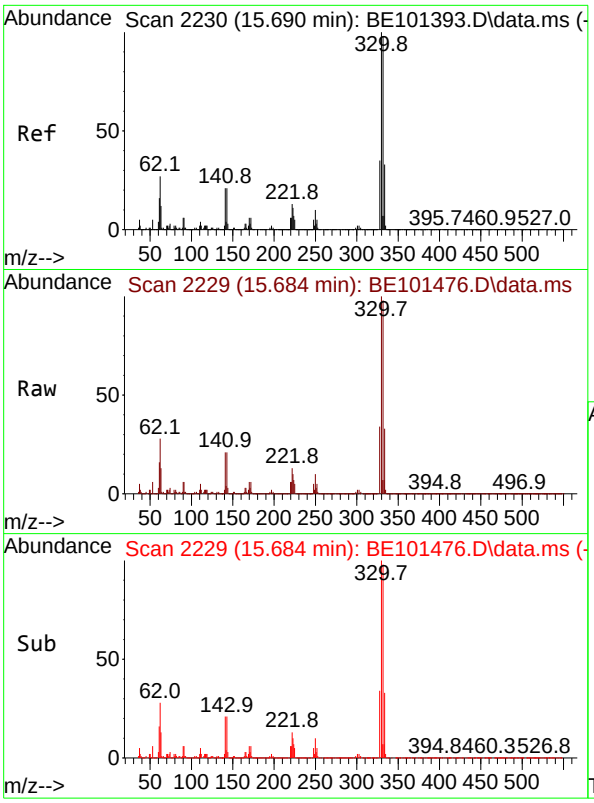


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.180 min Scan# 1973
Delta R.T. -0.001 min
Lab File: BE101476.D
Acq: 5 Nov 2024 13:20

Tgt Ion:164 Resp: 158291

Ion	Ratio	Lower	Upper
164	100		
162	103.2	81.3	121.9
160	45.8	36.4	54.6

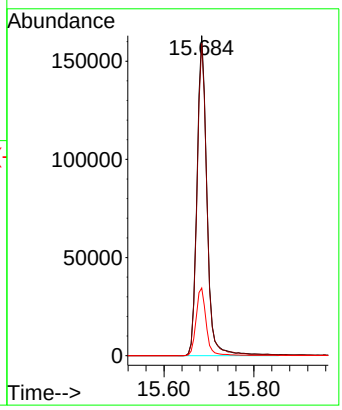




#42
2,4,6-Tribromophenol
Concen: 90.436 ng
RT: 15.684 min Scan# 2
Delta R.T. -0.007 min
Lab File: BE101476.D
Acq: 5 Nov 2024 13:20

Tgt Ion:330 Resp: 25089

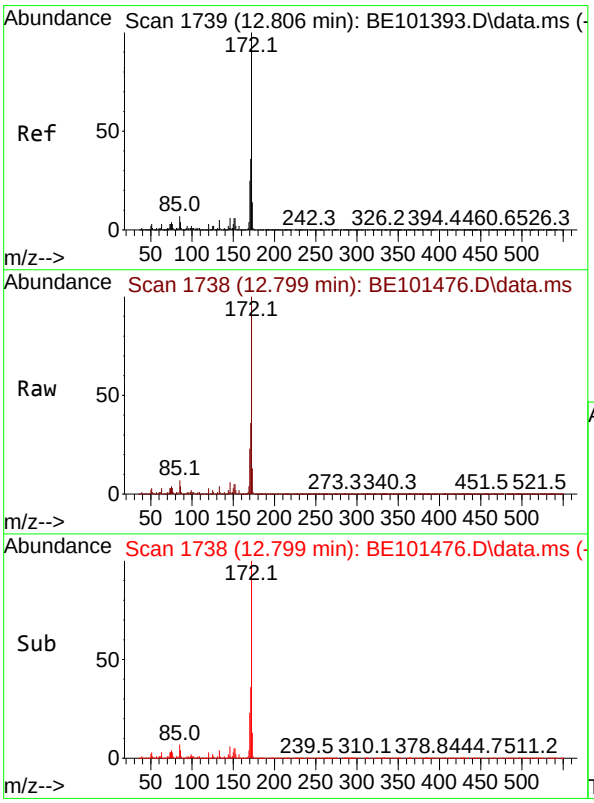
Ion	Ratio	Lower	Upper
330	100		
332	97.0	78.2	117.2
141	21.7	18.3	27.5



Instrument :
BNA_E
ClientSampleId :
COMP-2

Manual Integrations
APPROVED

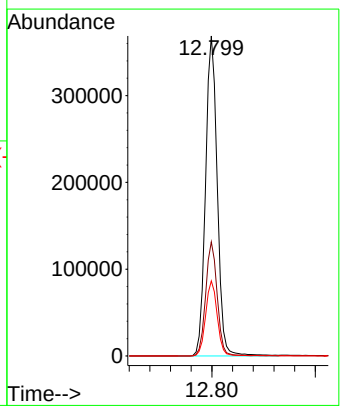
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

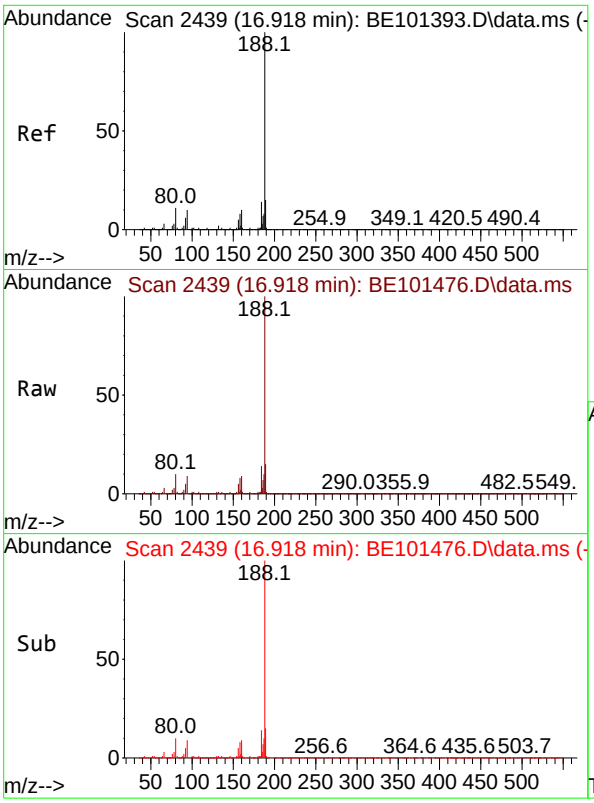


#45
2-Fluorobiphenyl
Concen: 61.864 ng
RT: 12.799 min Scan# 1738
Delta R.T. -0.007 min
Lab File: BE101476.D
Acq: 5 Nov 2024 13:20

Tgt Ion:172 Resp: 578229

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.2	43.8
170	23.5	19.8	29.6

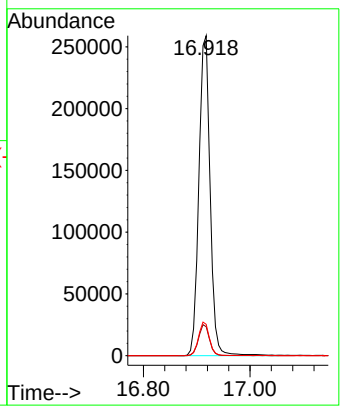




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.918 min Scan# 24
Delta R.T. -0.001 min
Lab File: BE101476.D
Acq: 5 Nov 2024 13:20

Tgt Ion:188 Resp: 377849

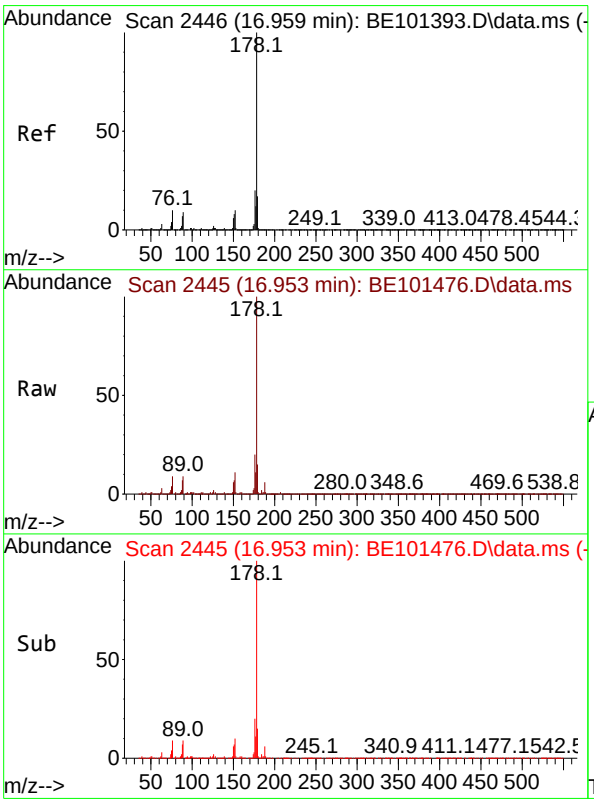
Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.8	11.8
80	9.8	8.6	12.8



Instrument :
BNA_E
ClientSampleId :
COMP-2

Manual Integrations
APPROVED

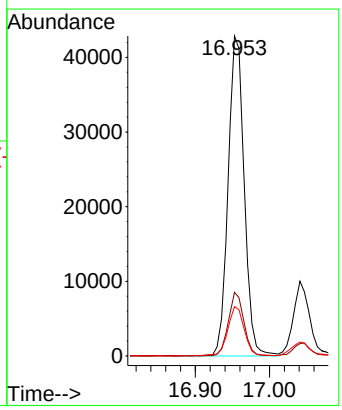
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

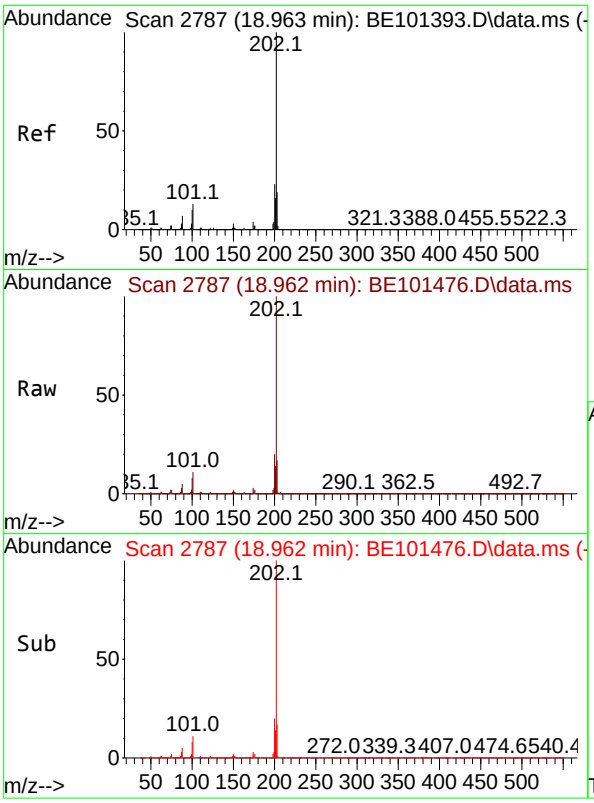


#71
Phenanthrene
Concen: 3.569 ng
RT: 16.953 min Scan# 2445
Delta R.T. -0.007 min
Lab File: BE101476.D
Acq: 5 Nov 2024 13:20

Tgt Ion:178 Resp: 64575

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.4	24.6
179	15.4	13.2	19.8

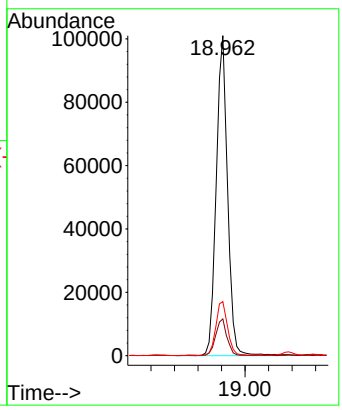




#75
Fluoranthene
Concen: 6.139 ng
RT: 18.962 min Scan# 2
Delta R.T. -0.001 min
Lab File: BE101476.D
Acq: 5 Nov 2024 13:20

Tgt Ion:202 Resp: 13488

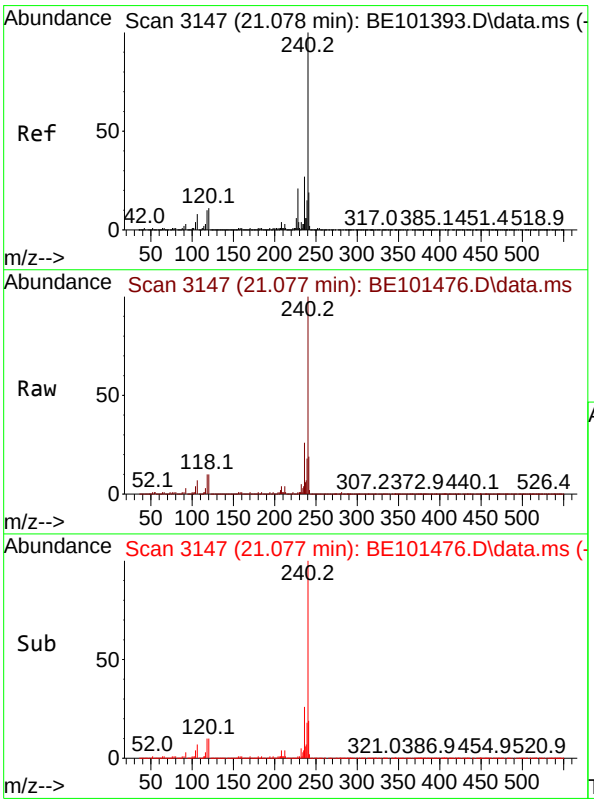
Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	33.3
203	16.9	0.0	39.3



Instrument :
BNA_E
ClientSampleId :
COMP-2

Manual Integrations
APPROVED

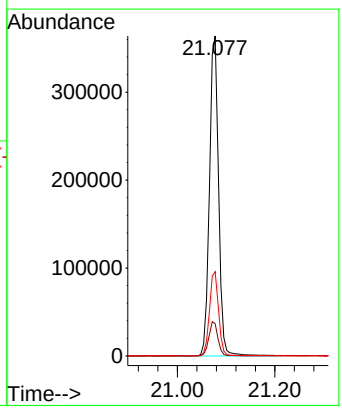
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

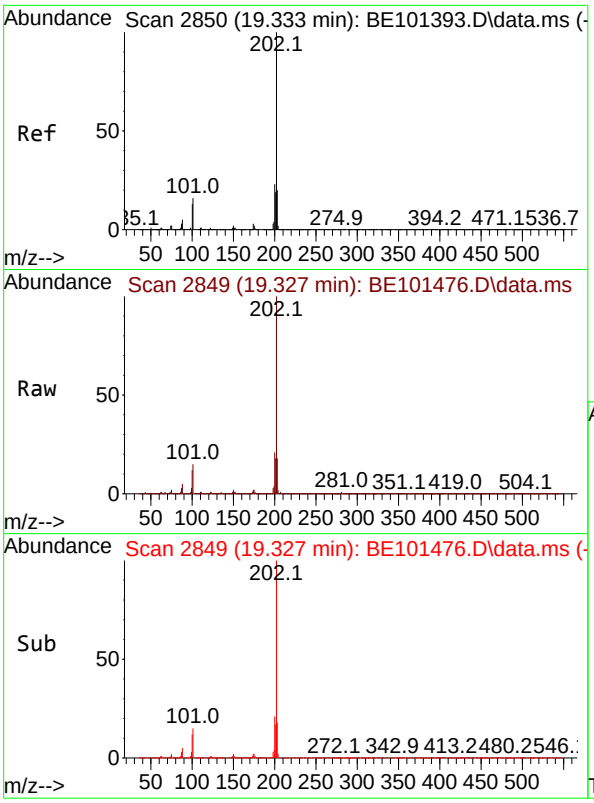


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.077 min Scan# 3147
Delta R.T. -0.001 min
Lab File: BE101476.D
Acq: 5 Nov 2024 13:20

Tgt Ion:240 Resp: 468893

Ion	Ratio	Lower	Upper
240	100		
120	10.1	9.0	13.4
236	26.3	21.4	32.0





#78
Pyrene
Concen: 4.515 ng
RT: 19.327 min Scan# 2
Delta R.T. -0.007 min
Lab File: BE101476.D
Acq: 5 Nov 2024 13:20

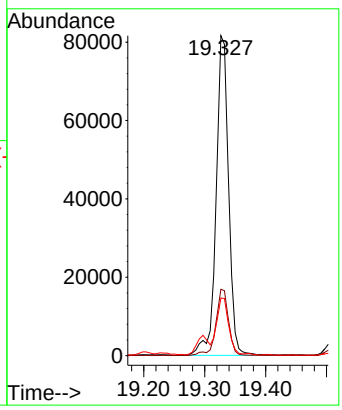
Tgt Ion:202 Resp: 11641

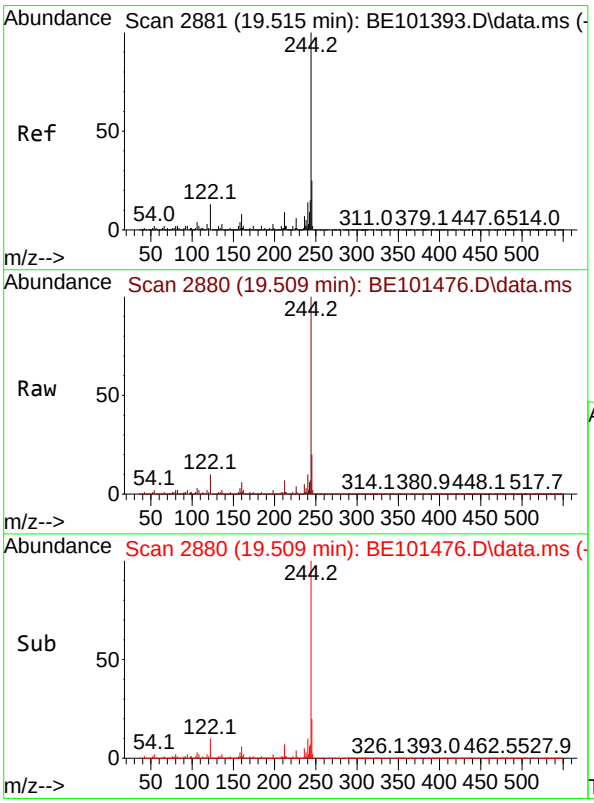
Ion	Ratio	Lower	Upper
202	100		
200	20.8	18.6	28.0
203	18.1	15.6	23.4

Instrument :
BNA_E
ClientSampleId :
COMP-2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

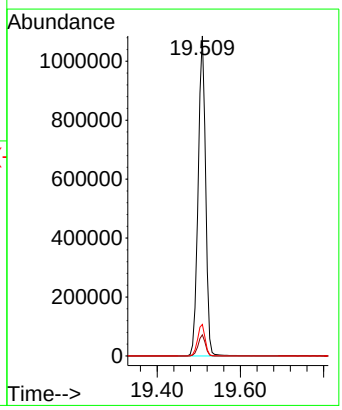


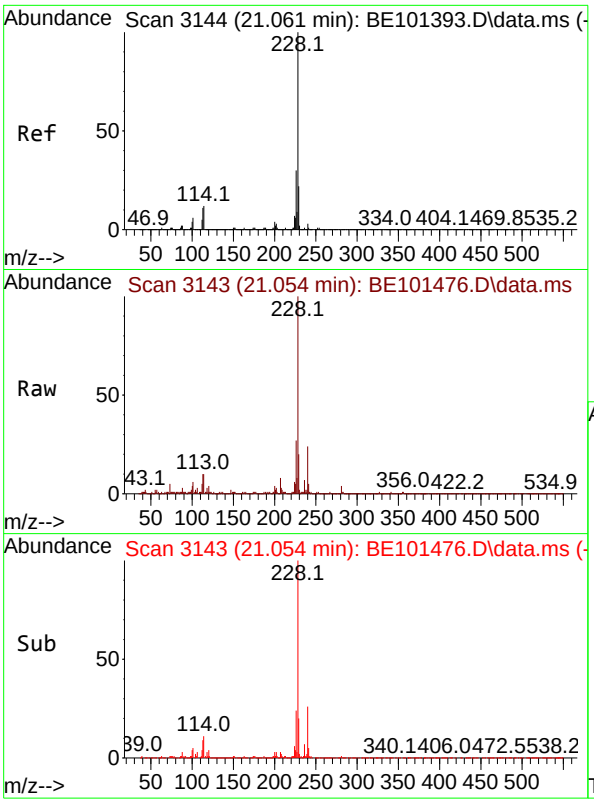


#79
Terphenyl-d14
Concen: 66.435 ng
RT: 19.509 min Scan# 2880
Delta R.T. -0.006 min
Lab File: BE101476.D
Acq: 5 Nov 2024 13:20

Tgt Ion:244 Resp: 1353479

Ion	Ratio	Lower	Upper
244	100		
212	6.6	7.2	10.8#
122	9.8	10.4	15.6#

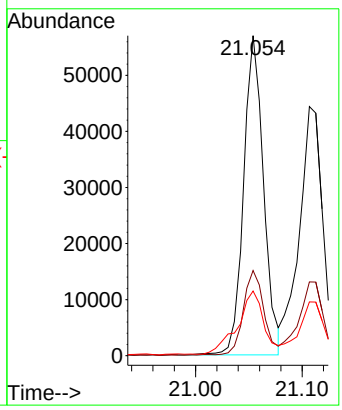




#81
Benzo(a)anthracene
Concen: 2.816 ng
RT: 21.054 min Scan# 3
Delta R.T. -0.007 min
Lab File: BE101476.D
Acq: 5 Nov 2024 13:20

Tgt Ion:228 Resp: 7420

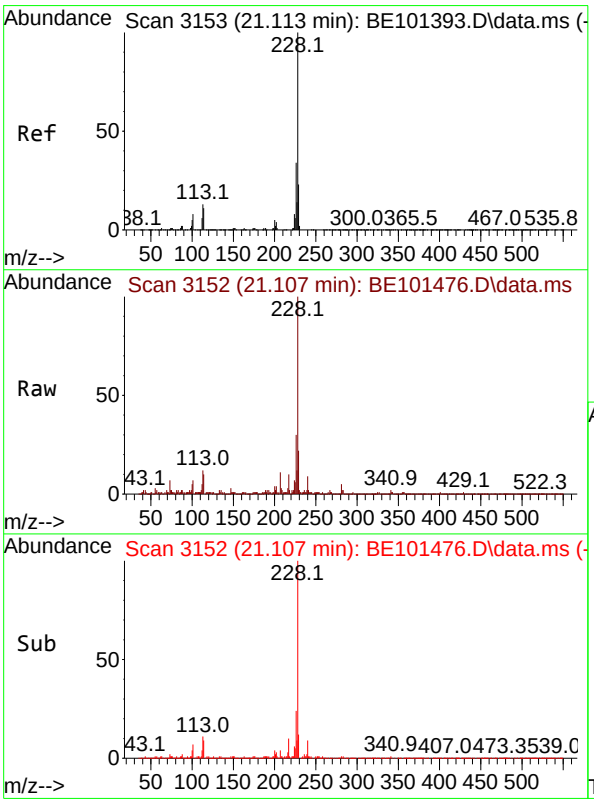
Ion	Ratio	Lower	Upper
228	100		
226	26.6	24.1	36.1
229	20.2	17.3	25.9



Instrument :
BNA_E
ClientSampleId :
COMP-2

Manual Integrations
APPROVED

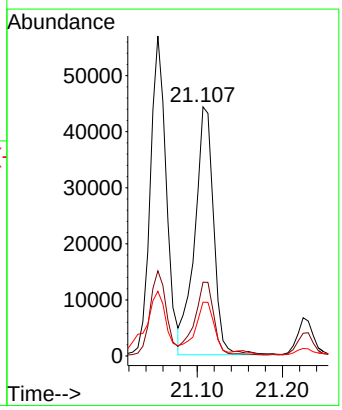
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

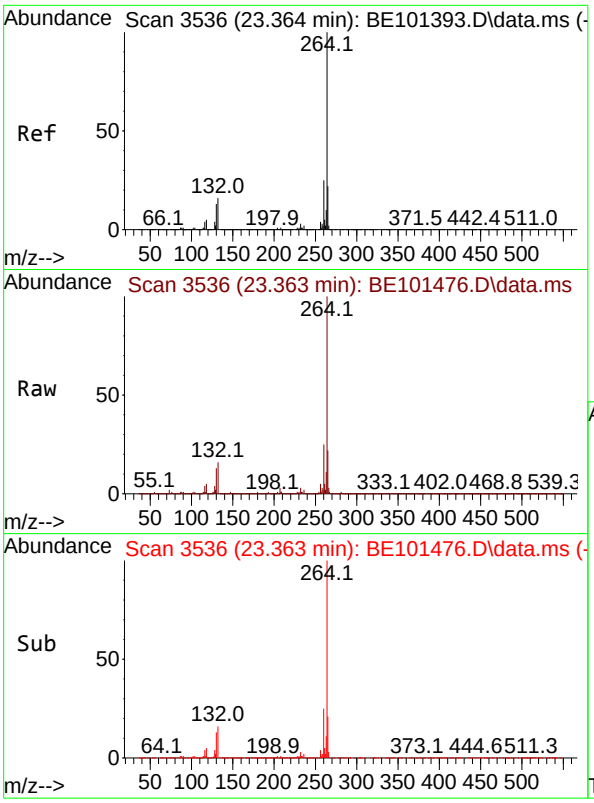


#83
Chrysene
Concen: 2.669 ng
RT: 21.107 min Scan# 3152
Delta R.T. -0.007 min
Lab File: BE101476.D
Acq: 5 Nov 2024 13:20

Tgt Ion:228 Resp: 68005

Ion	Ratio	Lower	Upper
228	100		
226	29.6	27.2	40.8
229	21.6	18.0	27.0

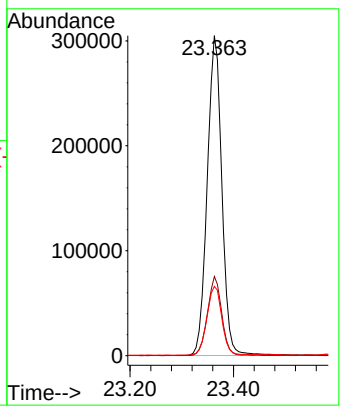




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.363 min Scan# 3
Delta R.T. -0.001 min
Lab File: BE101476.D
Acq: 5 Nov 2024 13:20

Tgt Ion:264 Resp: 59755

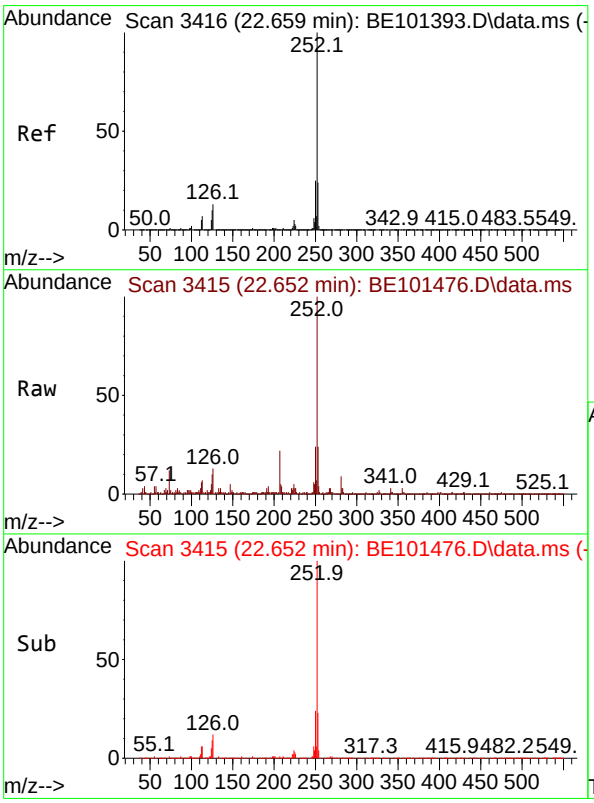
Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.8	29.8
265	21.6	17.6	26.4



Instrument :
BNA_E
ClientSampleId :
COMP-2

Manual Integrations
APPROVED

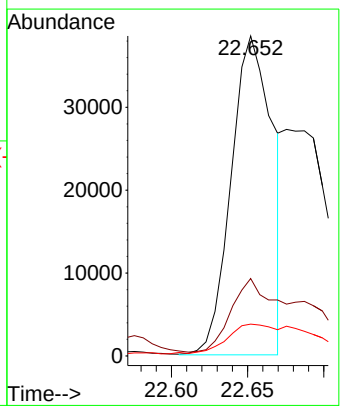
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

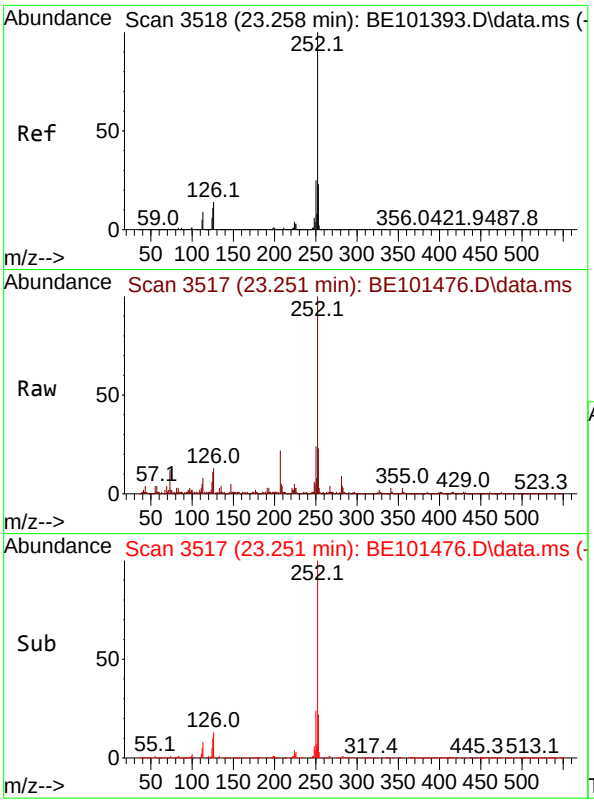


#88
Benzo(b)fluoranthene
Concen: 2.343 ng m
RT: 22.652 min Scan# 3415
Delta R.T. -0.007 min
Lab File: BE101476.D
Acq: 5 Nov 2024 13:20

Tgt Ion:252 Resp: 72955

Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.0	28.6
125	10.0	8.2	12.2

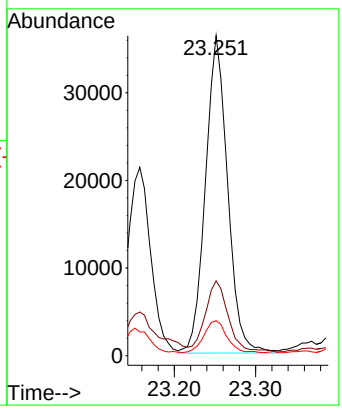




#90
Benzo(a)pyrene
Concen: 2.522 ng
RT: 23.251 min Scan# 3
Delta R.T. -0.007 min
Lab File: BE101476.D
Acq: 5 Nov 2024 13:20

Tgt Ion:252 Resp: 6869

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.4	27.6
125	10.9	9.0	13.6



Instrument :
BNA_E
ClientSampleId :
COMP-2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

Raw Data: **BE101462.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-3			SDG No.:	P4675
Lab Sample ID:	P4675-03			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	88.8
Sample Wt/Vol:	30.08	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101462.D	1	11/04/24 08:45	11/04/24 19:14	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	92.8	U	92.8	190	ug/Kg
86-73-7	Fluorene	96.0	U	96.0	190	ug/Kg
85-01-8	Phenanthrene	94.3	UQ	94.3	190	ug/Kg
120-12-7	Anthracene	94.8	UQ	94.8	190	ug/Kg
129-00-0	Pyrene	93.2	U	93.2	190	ug/Kg
56-55-3	Benzo(a)anthracene	90.6	UQ	90.6	190	ug/Kg
218-01-9	Chrysene	89.3	UQ	89.3	190	ug/Kg
205-99-2	Benzo(b)fluoranthene	91.1	U	91.1	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	UQ	100	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	87.7	UQ	87.7	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	90.0	U	90.0	190	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	63.3		18 - 107	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	66.9		20 - 109	67%	SPK: 100
1718-51-0	Terphenyl-d14	66.4		10 - 105	66%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	61200	7.57			
1146-65-2	Naphthalene-d8	261000	10.338			
15067-26-2	Acenaphthene-d10	173000	14.18			
1517-22-2	Phenanthrene-d10	407000	16.912			
1719-03-5	Chrysene-d12	534000	21.072			
1520-96-3	Perylene-d12	731000	23.364			

Raw Data: **BE101462.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-3			SDG No.:	P4675
Lab Sample ID:	P4675-03			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	88.8
Sample Wt/Vol:	30.08	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101462.D	1	11/04/24 08:45	11/04/24 19:14	PB164639

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_E\Data\BE110424\
Data File : BE101462.D
Acq On : 4 Nov 2024 19:14
Operator : RC/JU
Sample : P4675-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
COMP-3

Quant Time: Nov 04 22:07:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

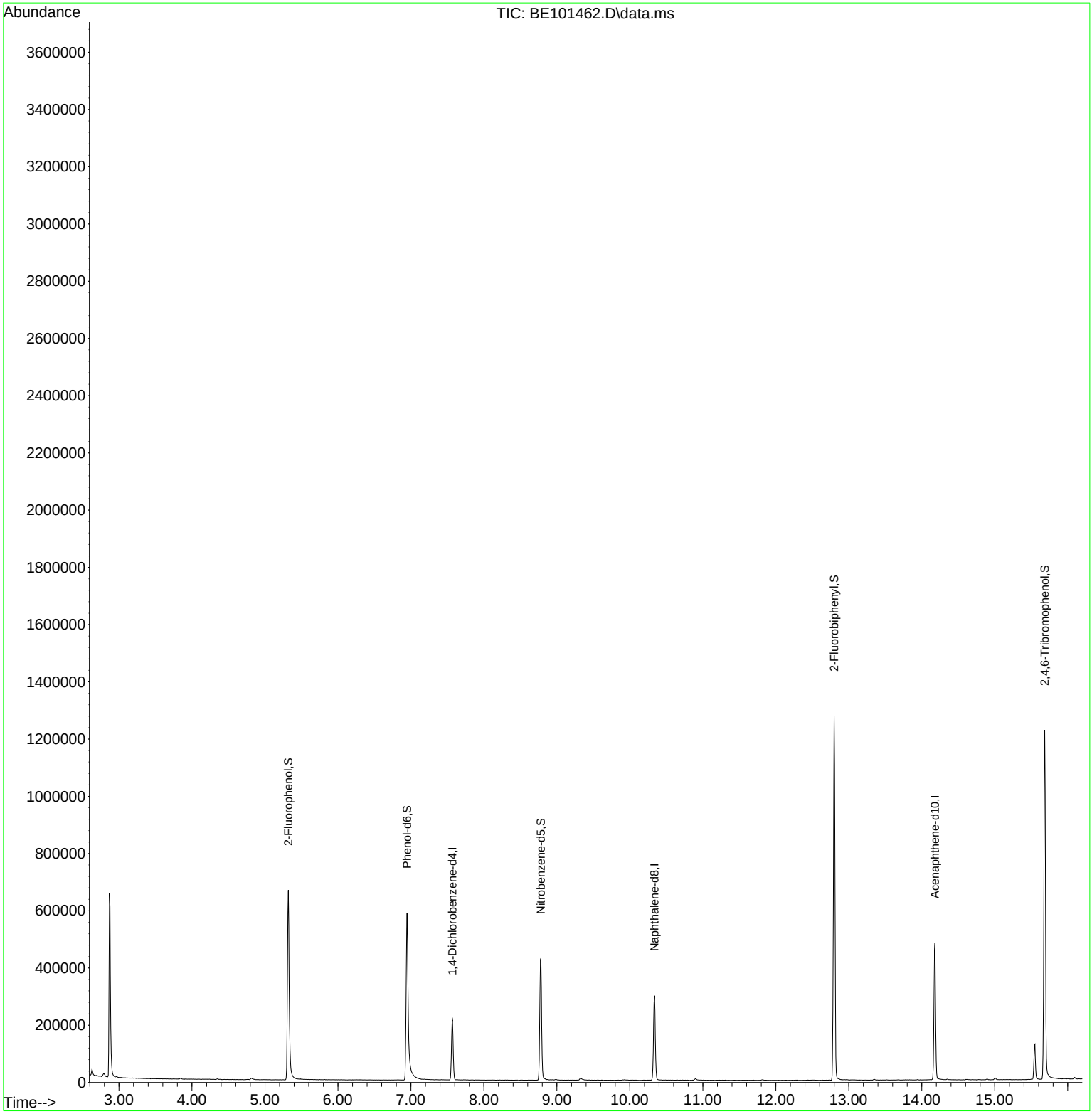
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.570	152	61218	20.000	ng	0.00
21) Naphthalene-d8	10.338	136	261412	20.000	ng	0.00
39) Acenaphthene-d10	14.180	164	173354	20.000	ng	0.00
64) Phenanthrene-d10	16.912	188	407280	20.000	ng	0.00
76) Chrysene-d12	21.072	240	534040	20.000	ng	0.00
86) Perylene-d12	23.364	264	731364	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.320	112	355499	101.779	ng	0.00
7) Phenol-d6	6.948	99	460168	95.013	ng	0.00
23) Nitrobenzene-d5	8.781	82	263382	63.282	ng	0.00
42) 2,4,6-Tribromophenol	15.684	330	317661	104.551	ng	0.00
45) 2-Fluorobiphenyl	12.800	172	685227	66.941	ng	0.00
79) Terphenyl-d14	19.509	244	1539921	66.366	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110424\
Data File : BE101462.D
Acq On : 4 Nov 2024 19:14
Operator : RC/JU
Sample : P4675-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
COMP-3

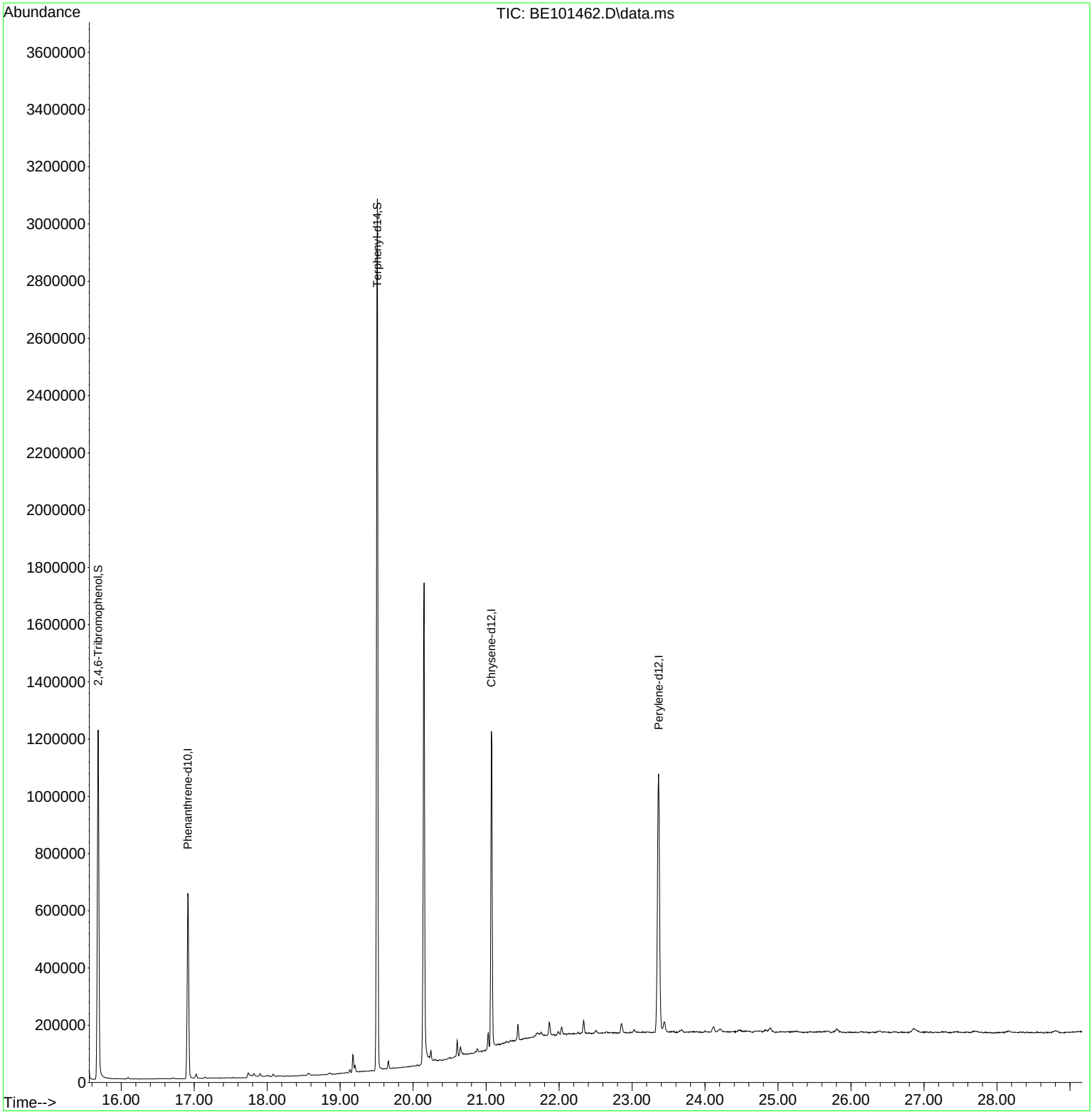
Quant Time: Nov 04 22:07:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

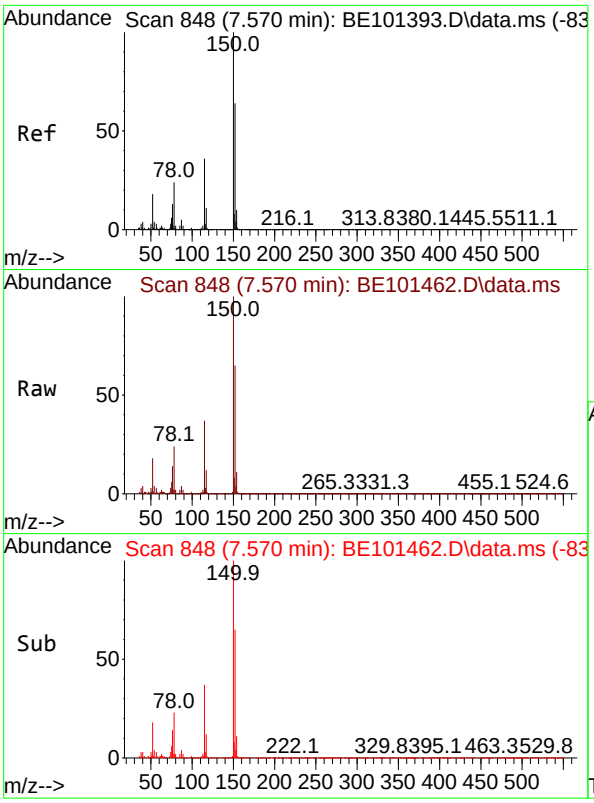


Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110424\
Data File : BE101462.D
Acq On : 4 Nov 2024 19:14
Operator : RC/JU
Sample : P4675-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
COMP-3

Quant Time: Nov 04 22:07:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration



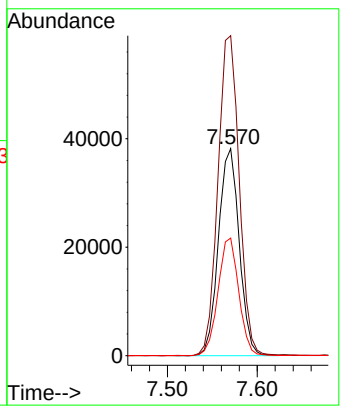


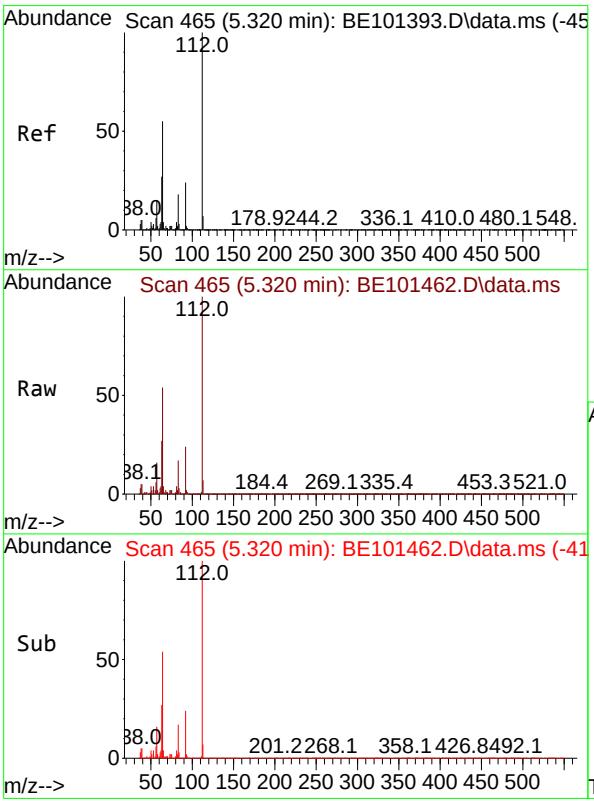
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.570 min Scan# 84
Delta R.T. 0.000 min
Lab File: BE101462.D
Acq: 4 Nov 2024 19:14

Instrument :
BNA_E
ClientSampleId :
COMP-3

Tgt Ion:152 Resp: 61218

Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.2	186.4
115	56.8	45.3	67.9

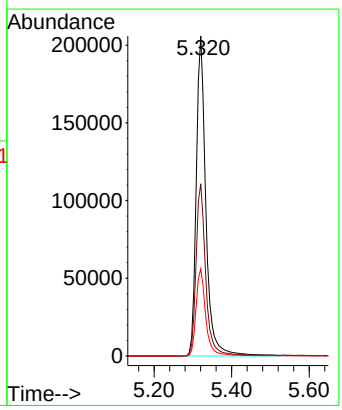


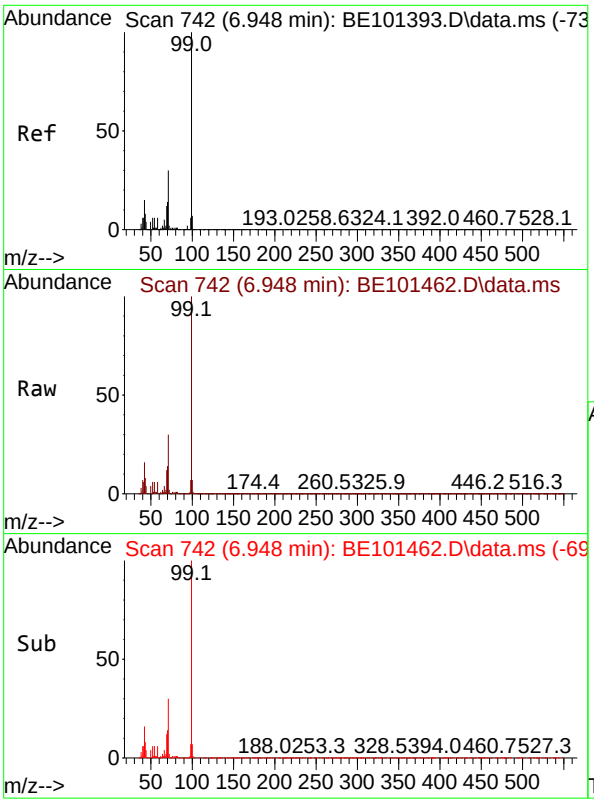


#5
2-Fluorophenol
Concen: 101.779 ng
RT: 5.320 min Scan# 465
Delta R.T. -0.000 min
Lab File: BE101462.D
Acq: 4 Nov 2024 19:14

Tgt Ion:112 Resp: 355499

Ion	Ratio	Lower	Upper
112	100		
64	53.8	43.7	65.5
63	27.2	21.4	32.2



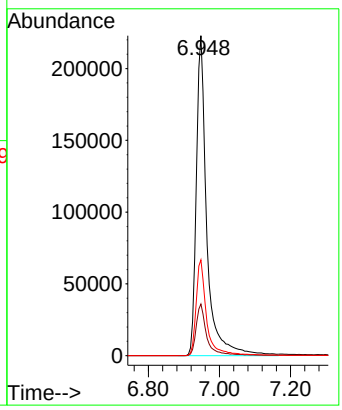


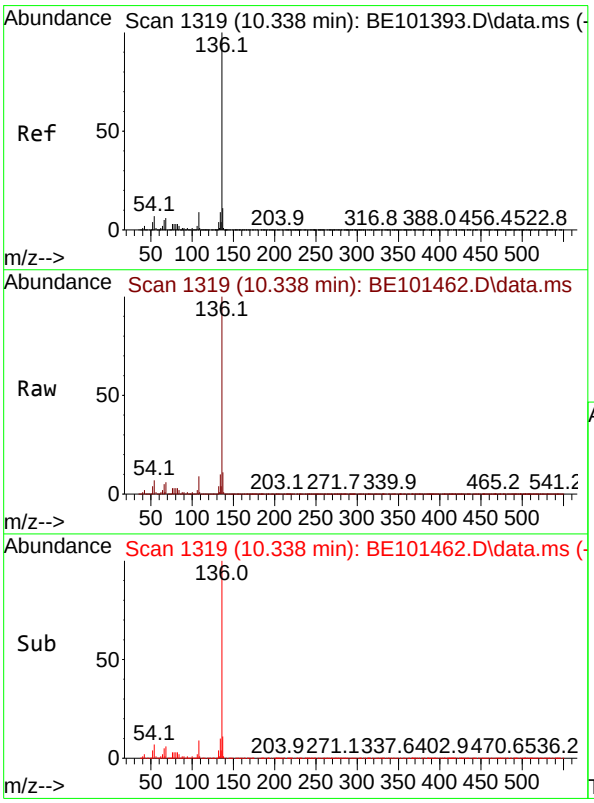
#7
Phenol-d6
Concen: 95.013 ng
RT: 6.948 min Scan# 7
Delta R.T. -0.000 min
Lab File: BE101462.D
Acq: 4 Nov 2024 19:14

Instrument :
BNA_E
ClientSampleId :
COMP-3

Tgt Ion: 99 Resp: 460168

Ion	Ratio	Lower	Upper
99	100		
42	16.1	12.3	18.5
71	29.9	23.8	35.8

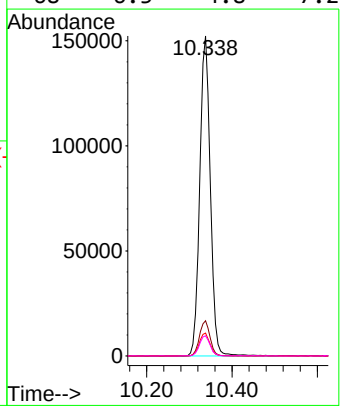


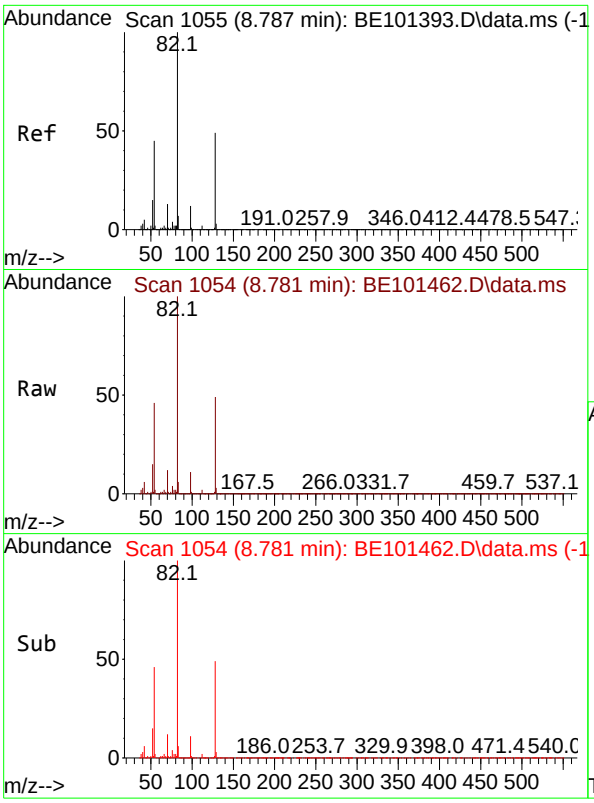


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.338 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BE101462.D
Acq: 4 Nov 2024 19:14

Tgt Ion:136 Resp: 261412

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.6
54	7.1	5.9	8.9
68	6.3	4.8	7.2



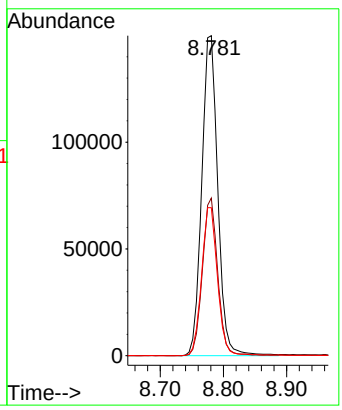


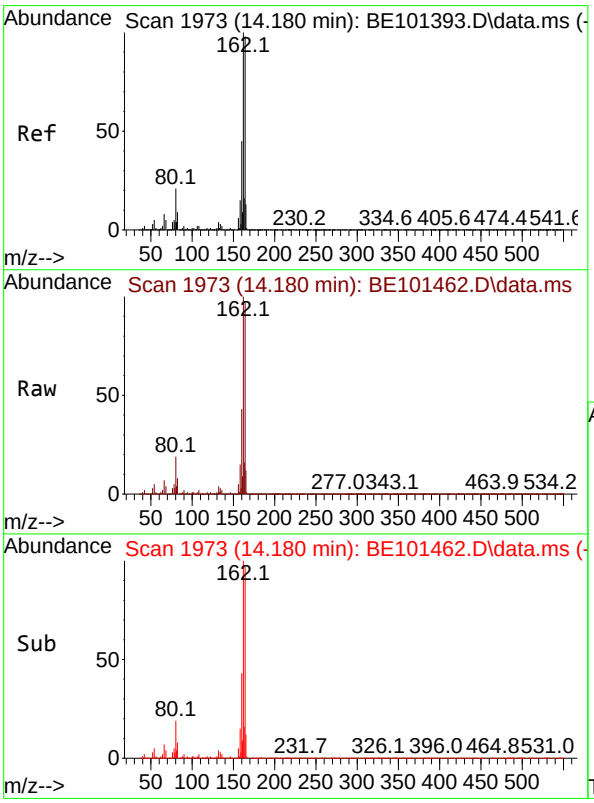
#23
Nitrobenzene-d5
Concen: 63.282 ng
RT: 8.781 min Scan# 1
Delta R.T. -0.006 min
Lab File: BE101462.D
Acq: 4 Nov 2024 19:14

Instrument :
BNA_E
ClientSampleId :
COMP-3

Tgt Ion: 82 Resp: 263382

Ion	Ratio	Lower	Upper
82	100		
128	49.2	38.9	58.3
54	46.3	36.2	54.4

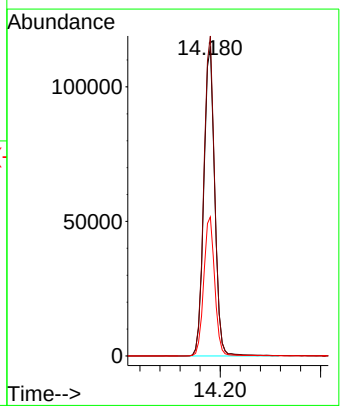


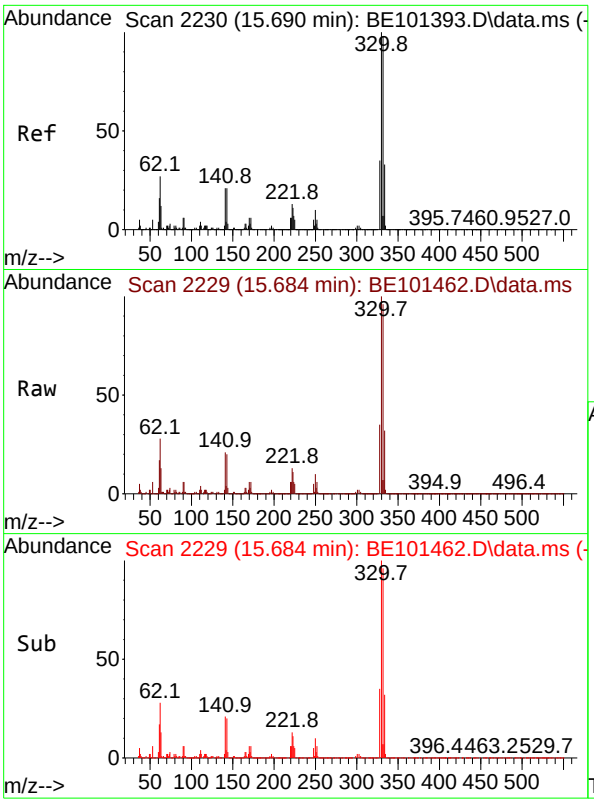


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.180 min Scan# 1973
Delta R.T. -0.000 min
Lab File: BE101462.D
Acq: 4 Nov 2024 19:14

Tgt Ion:164 Resp: 173354

Ion	Ratio	Lower	Upper
164	100		
162	103.4	81.3	121.9
160	44.9	36.4	54.6



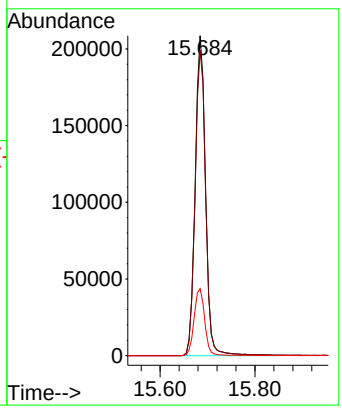


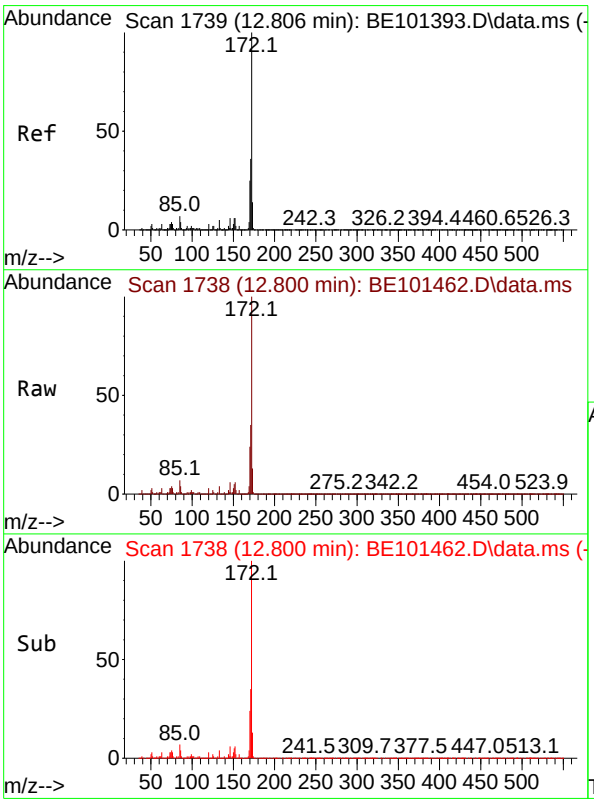
#42
2,4,6-Tribromophenol
Concen: 104.551 ng
RT: 15.684 min Scan# 2
Delta R.T. -0.006 min
Lab File: BE101462.D
Acq: 4 Nov 2024 19:14

Instrument :
BNA_E
ClientSampleId :
COMP-3

Tgt Ion:330 Resp: 317661

Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.2	117.2
141	21.4	18.3	27.5

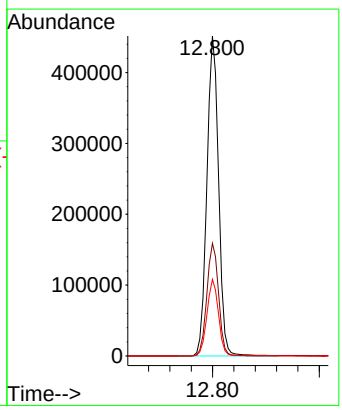


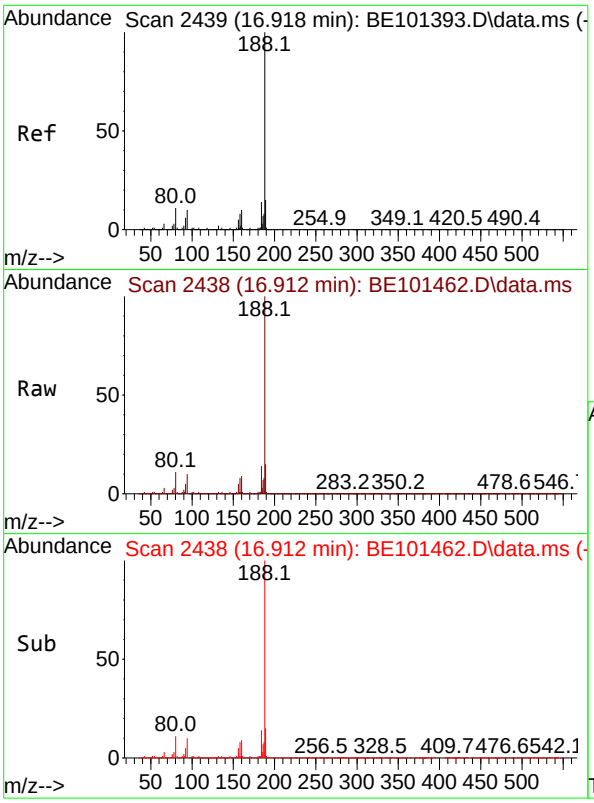


#45
2-Fluorobiphenyl
Concen: 66.941 ng
RT: 12.800 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BE101462.D
Acq: 4 Nov 2024 19:14

Tgt Ion:172 Resp: 685227

Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.2	43.8
170	24.0	19.8	29.6



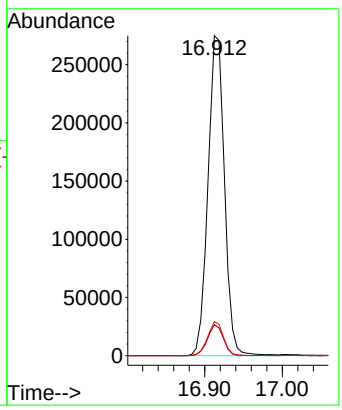


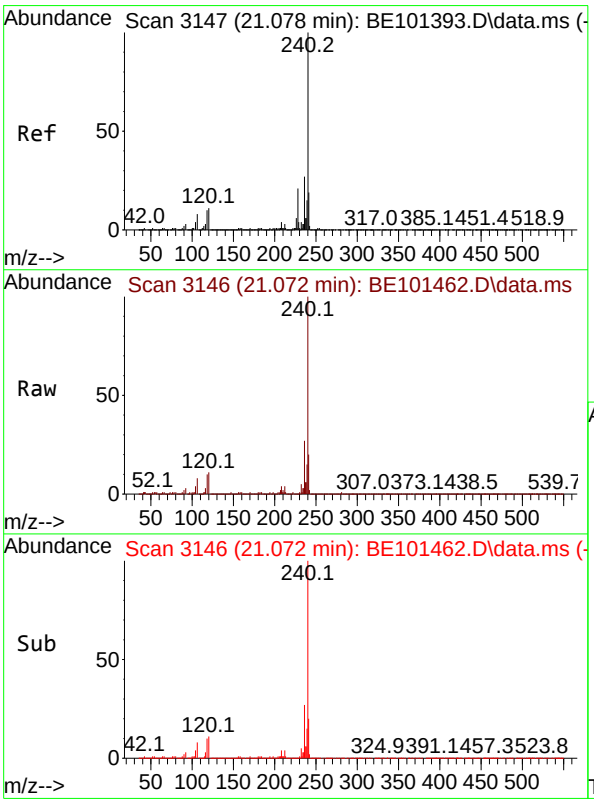
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.912 min Scan# 24
Delta R.T. -0.006 min
Lab File: BE101462.D
Acq: 4 Nov 2024 19:14

Instrument :
BNA_E
ClientSampleId :
COMP-3

Tgt Ion:188 Resp: 407280

Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.8	11.8
80	10.6	8.6	12.8

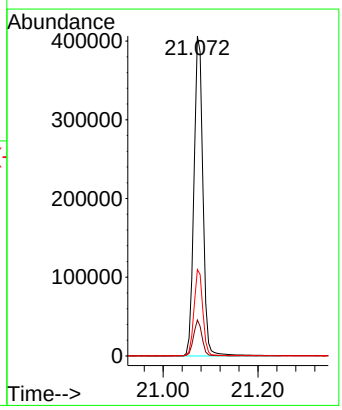


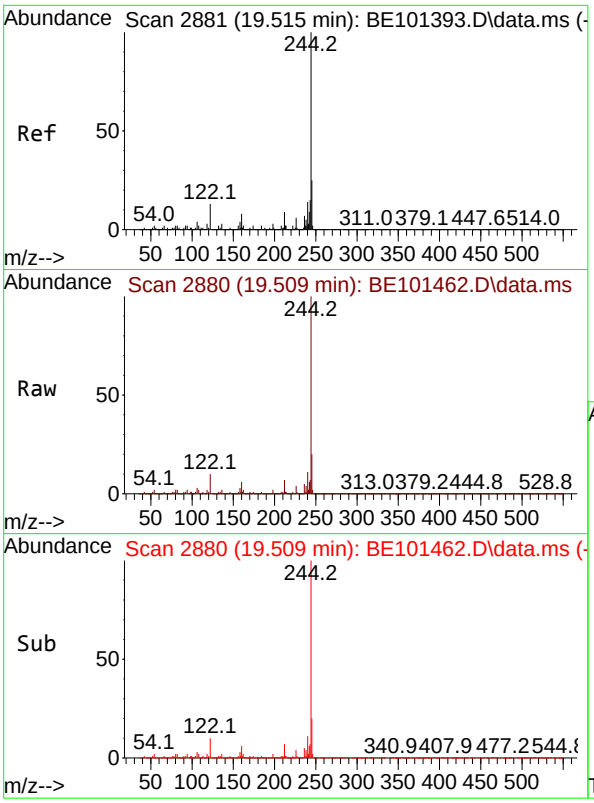


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.072 min Scan# 3146
Delta R.T. -0.006 min
Lab File: BE101462.D
Acq: 4 Nov 2024 19:14

Tgt Ion:240 Resp: 534040

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.0	13.4
236	27.0	21.4	32.0



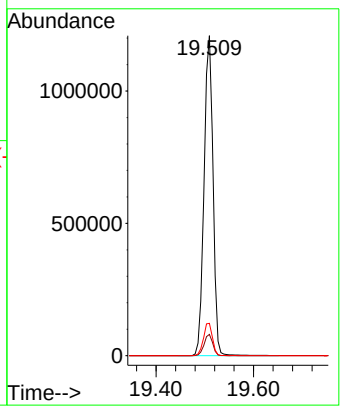


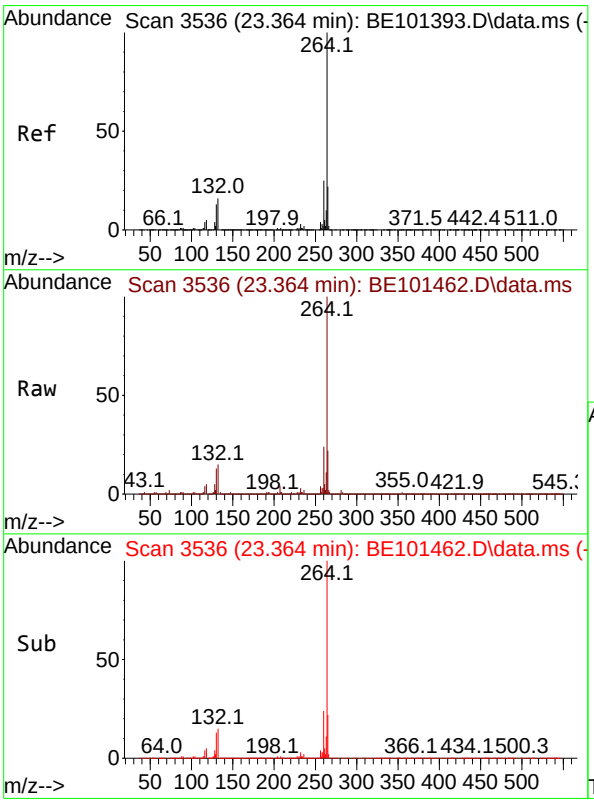
#79
Terphenyl-d14
Concen: 66.366 ng
RT: 19.509 min Scan# 2
Delta R.T. -0.006 min
Lab File: BE101462.D
Acq: 4 Nov 2024 19:14

Instrument :
BNA_E
ClientSampleId :
COMP-3

Tgt Ion:244 Resp: 1539921

Ion	Ratio	Lower	Upper
244	100		
212	6.7	7.2	10.8#
122	10.1	10.4	15.6#

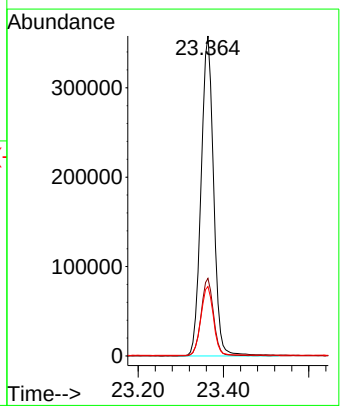




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.364 min Scan# 3536
Delta R.T. -0.000 min
Lab File: BE101462.D
Acq: 4 Nov 2024 19:14

Tgt Ion:264 Resp: 731364

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.8	29.8
265	21.7	17.6	26.4



Raw Data: **BE101459.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-4			SDG No.:	P4675
Lab Sample ID:	P4675-04			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	82.9
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101459.D	1	11/04/24 08:45	11/04/24 17:27	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	99.6	U	99.6	200	ug/Kg
86-73-7	Fluorene	100	U	100	200	ug/Kg
85-01-8	Phenanthrene	100	UQ	100	200	ug/Kg
120-12-7	Anthracene	100	UQ	100	200	ug/Kg
129-00-0	Pyrene	100	U	100	200	ug/Kg
56-55-3	Benzo(a)anthracene	97.3	UQ	97.3	200	ug/Kg
218-01-9	Chrysene	95.8	UQ	95.8	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	97.8	U	97.8	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	UQ	110	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	94.1	UQ	94.1	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	96.6	U	96.6	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	80.6		18 - 107	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	88.4		20 - 109	88%	SPK: 100
1718-51-0	Terphenyl-d14	83.8		10 - 105	84%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	61800	7.569			
1146-65-2	Naphthalene-d8	248000	10.337			
15067-26-2	Acenaphthene-d10	158000	14.179			
1517-22-2	Phenanthrene-d10	363000	16.917			
1719-03-5	Chrysene-d12	489000	21.077			
1520-96-3	Perylene-d12	682000	23.363			

Raw Data: **BE101459.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-4			SDG No.:	P4675
Lab Sample ID:	P4675-04			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	82.9
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101459.D	1	11/04/24 08:45	11/04/24 17:27	PB164639

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_E\Data\BE110424\
Data File : BE101459.D
Acq On : 4 Nov 2024 17:27
Operator : RC/JU
Sample : P4675-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
COMP-4

Quant Time: Nov 04 22:05:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

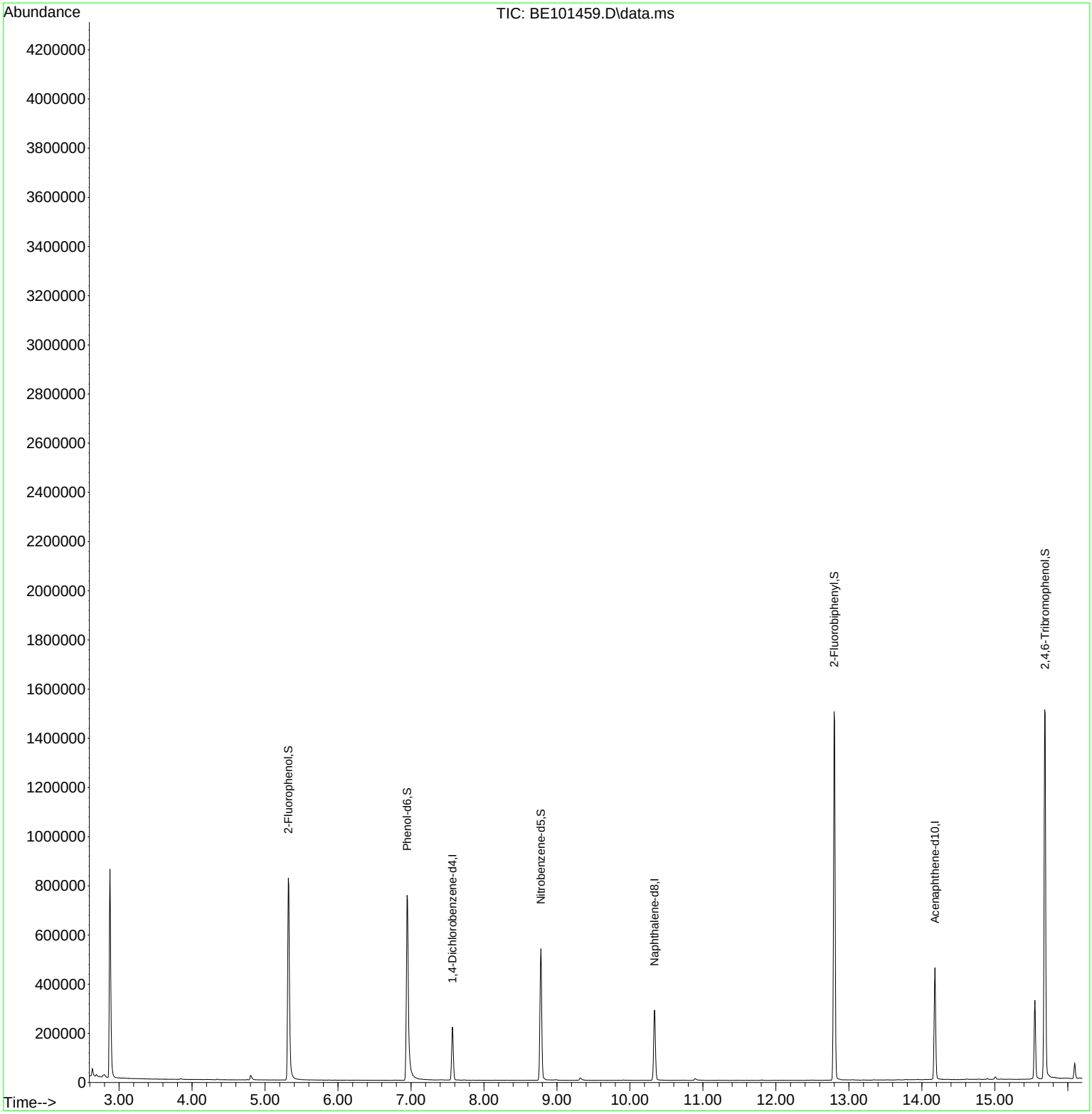
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.569	152	61796	20.000	ng	0.00
21) Naphthalene-d8	10.337	136	248097	20.000	ng	0.00
39) Acenaphthene-d10	14.179	164	157598	20.000	ng	0.00
64) Phenanthrene-d10	16.917	188	362960	20.000	ng	0.00
76) Chrysene-d12	21.077	240	488975	20.000	ng	0.00
86) Perylene-d12	23.363	264	682027	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.319	112	444956	126.199	ng	0.00
7) Phenol-d6	6.947	99	583371	119.325	ng	0.00
23) Nitrobenzene-d5	8.780	82	318550	80.645	ng	0.00
42) 2,4,6-Tribromophenol	15.689	330	393561	142.482	ng	0.00
45) 2-Fluorobiphenyl	12.799	172	822276	88.361	ng	0.00
79) Terphenyl-d14	19.508	244	1780577	83.810	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110424\
Data File : BE101459.D
Acq On : 4 Nov 2024 17:27
Operator : RC/JU
Sample : P4675-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
COMP-4

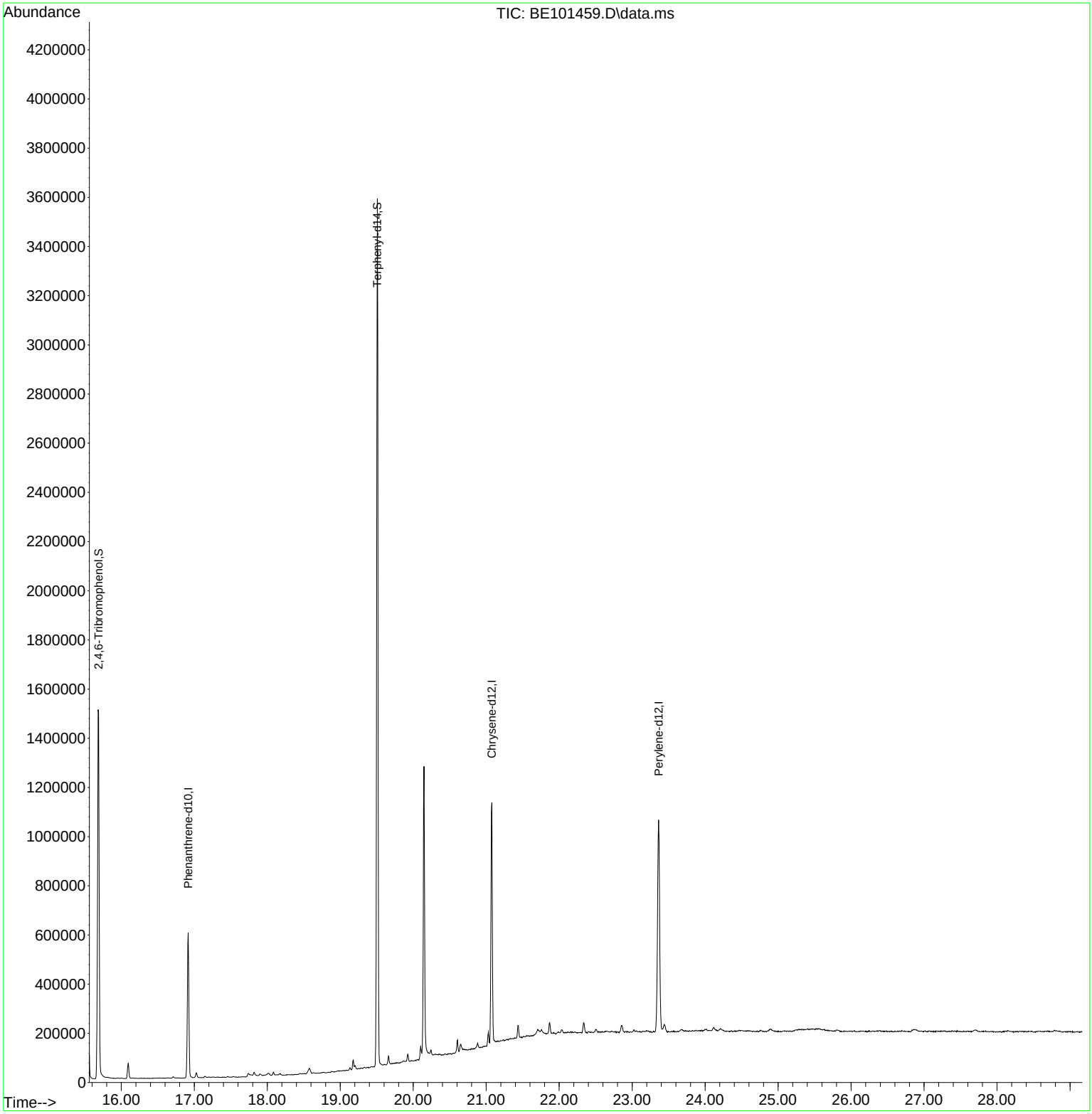
Quant Time: Nov 04 22:05:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

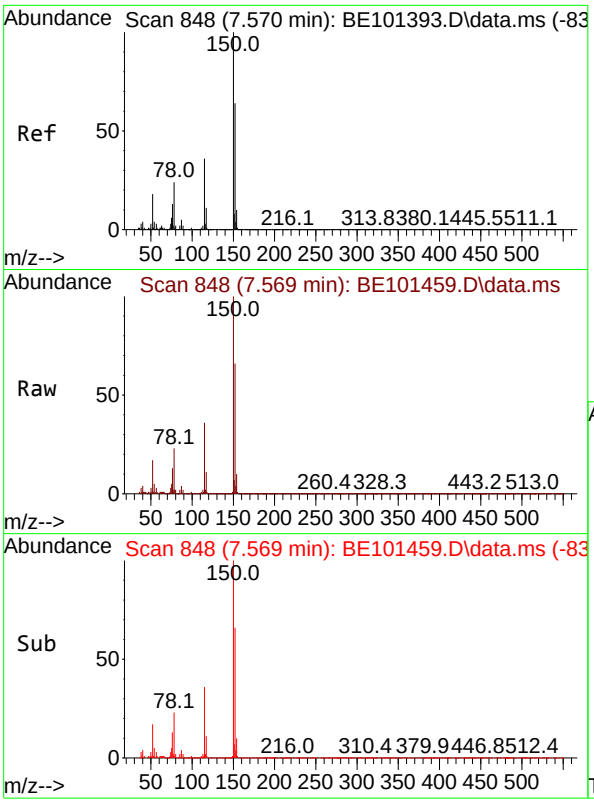


Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110424\
Data File : BE101459.D
Acq On : 4 Nov 2024 17:27
Operator : RC/JU
Sample : P4675-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
COMP-4

Quant Time: Nov 04 22:05:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration



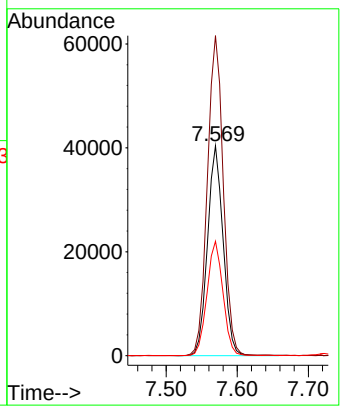


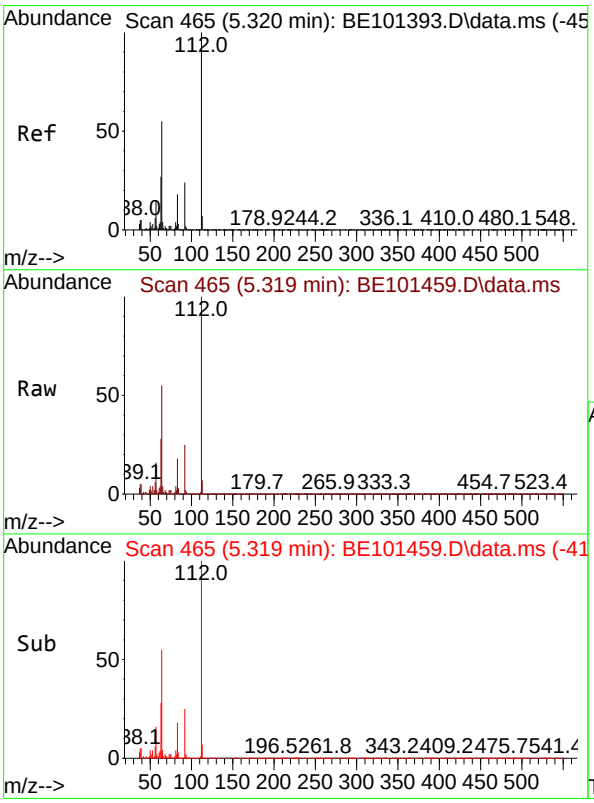
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.569 min Scan# 84
Delta R.T. -0.001 min
Lab File: BE101459.D
Acq: 4 Nov 2024 17:27

Instrument :
BNA_E
ClientSampleId :
COMP-4

Tgt Ion:152 Resp: 61796

Ion	Ratio	Lower	Upper
152	100		
150	152.5	124.2	186.4
115	54.5	45.3	67.9

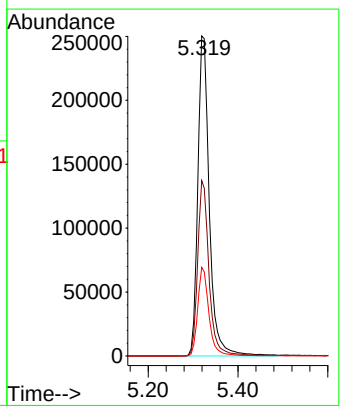


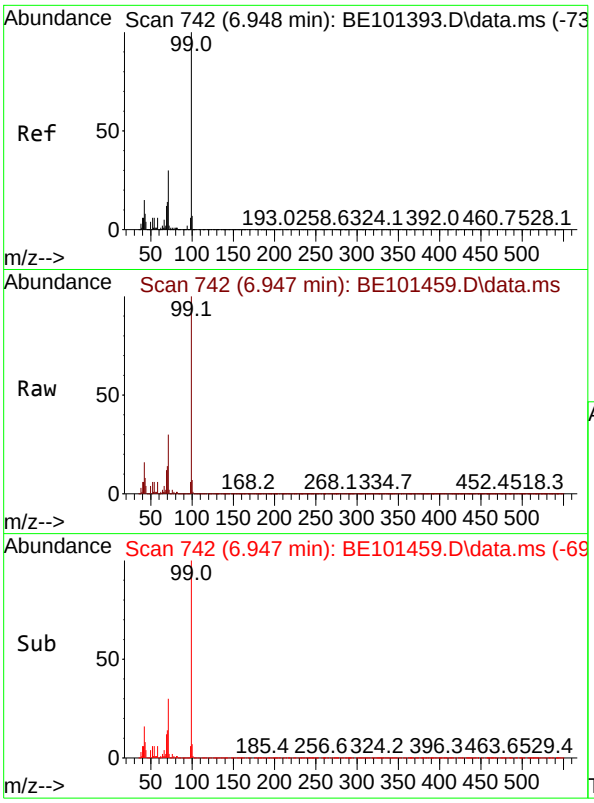


#5
2-Fluorophenol
Concen: 126.199 ng
RT: 5.319 min Scan# 465
Delta R.T. -0.001 min
Lab File: BE101459.D
Acq: 4 Nov 2024 17:27

Tgt Ion:112 Resp: 444956

Ion	Ratio	Lower	Upper
112	100		
64	54.8	43.7	65.5
63	27.7	21.4	32.2



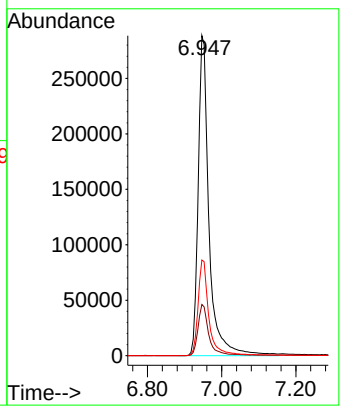


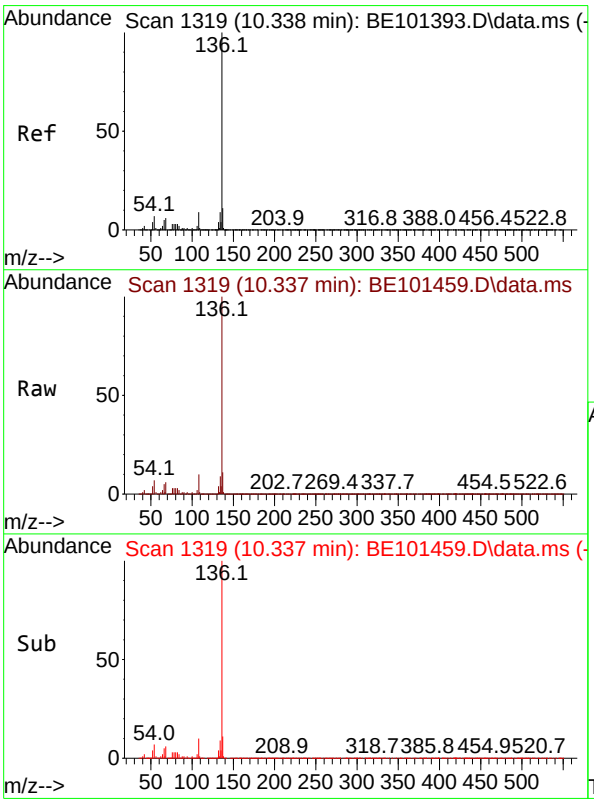
#7
Phenol-d6
Concen: 119.325 ng
RT: 6.947 min Scan# 74
Delta R.T. -0.001 min
Lab File: BE101459.D
Acq: 4 Nov 2024 17:27

Instrument :
BNA_E
ClientSampleId :
COMP-4

Tgt Ion: 99 Resp: 583371

Ion	Ratio	Lower	Upper
99	100		
42	16.0	12.3	18.5
71	29.9	23.8	35.8

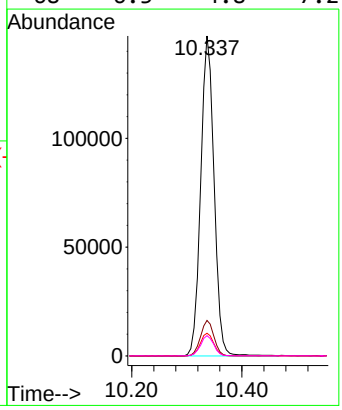


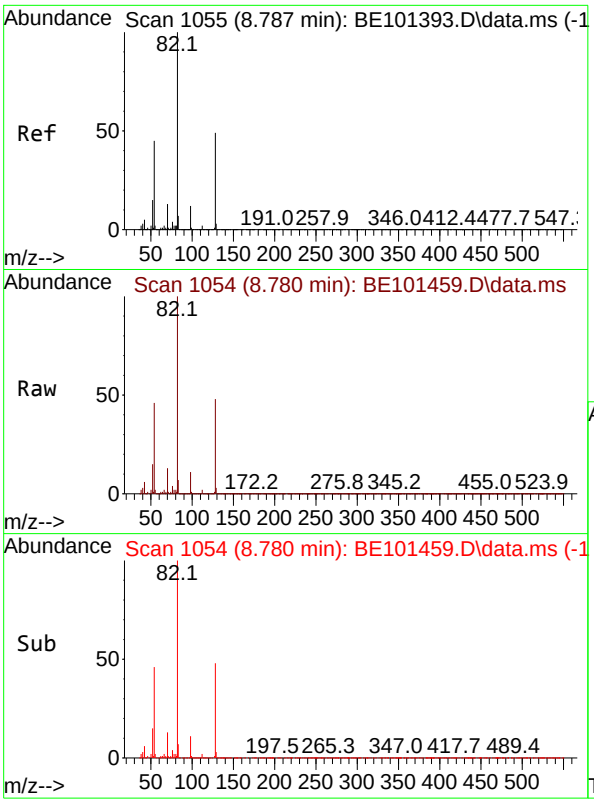


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.337 min Scan# 1319
Delta R.T. -0.001 min
Lab File: BE101459.D
Acq: 4 Nov 2024 17:27

Tgt Ion:136 Resp: 248097

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	7.1	5.9	8.9
68	6.3	4.8	7.2



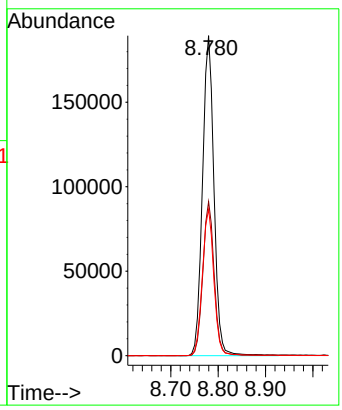


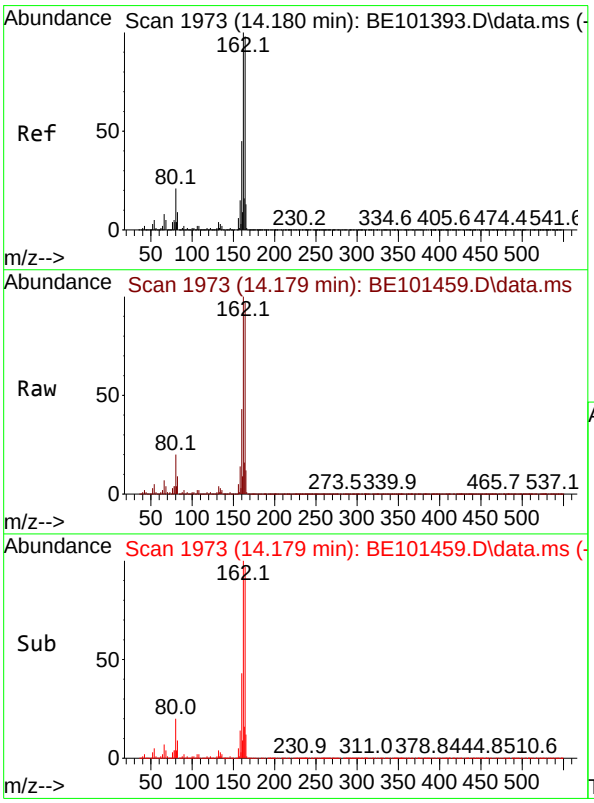
#23
Nitrobenzene-d5
Concen: 80.645 ng
RT: 8.780 min Scan# 1
Delta R.T. -0.007 min
Lab File: BE101459.D
Acq: 4 Nov 2024 17:27

Instrument :
BNA_E
ClientSampleId :
COMP-4

Tgt Ion: 82 Resp: 318550

Ion	Ratio	Lower	Upper
82	100		
128	48.1	38.9	58.3
54	45.8	36.2	54.4

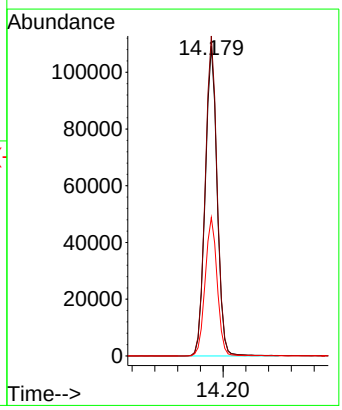


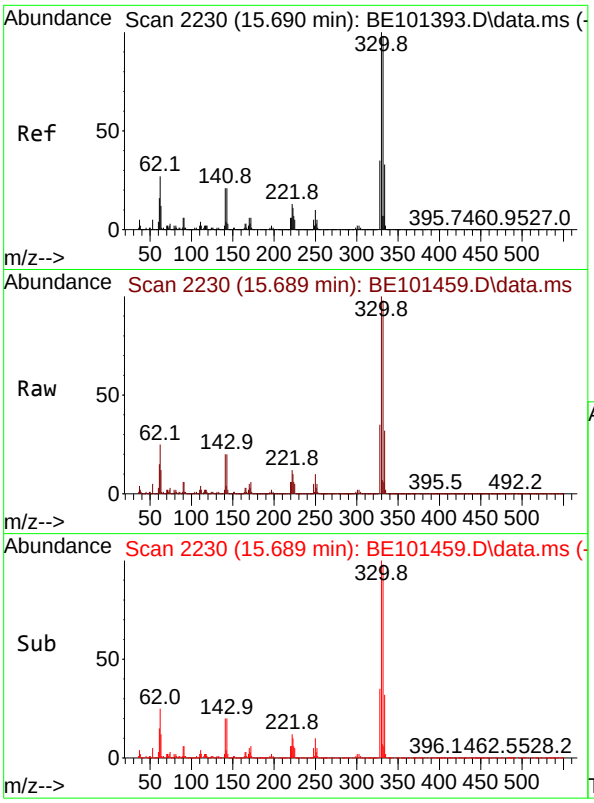


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.179 min Scan# 1973
Delta R.T. -0.001 min
Lab File: BE101459.D
Acq: 4 Nov 2024 17:27

Tgt Ion:164 Resp: 157598

Ion	Ratio	Lower	Upper
164	100		
162	103.3	81.3	121.9
160	44.7	36.4	54.6



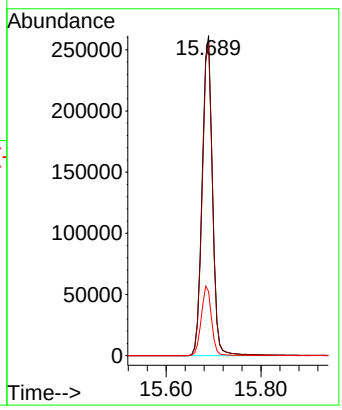


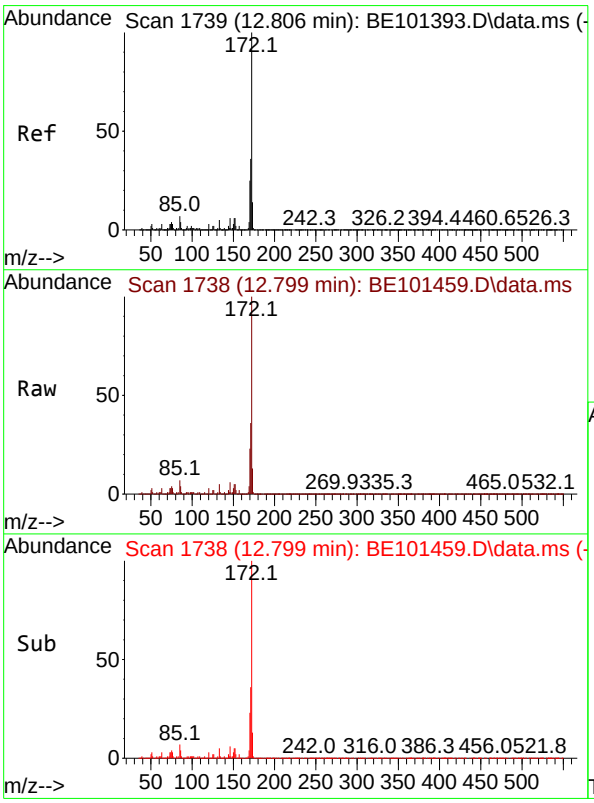
#42
2,4,6-Tribromophenol
Concen: 142.482 ng
RT: 15.689 min Scan# 2
Delta R.T. -0.001 min
Lab File: BE101459.D
Acq: 4 Nov 2024 17:27

Instrument :
BNA_E
ClientSampleId :
COMP-4

Tgt Ion:330 Resp: 393561

Ion	Ratio	Lower	Upper
330	100		
332	97.2	78.2	117.2
141	21.8	18.3	27.5

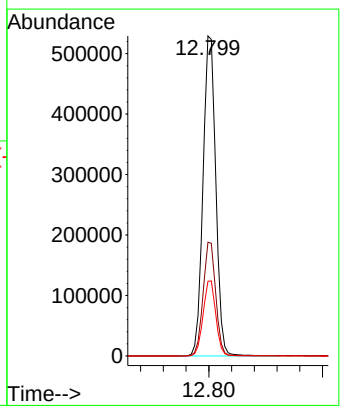


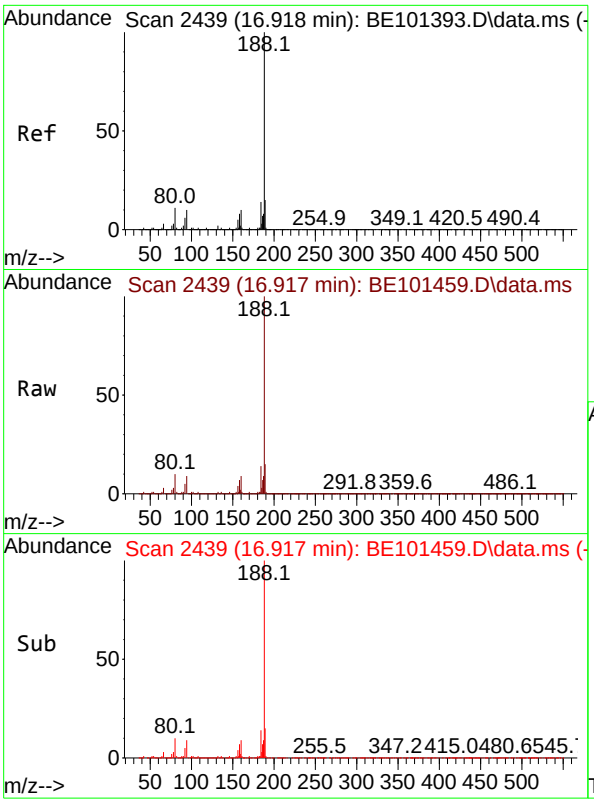


#45
2-Fluorobiphenyl
Concen: 88.361 ng
RT: 12.799 min Scan# 1738
Delta R.T. -0.007 min
Lab File: BE101459.D
Acq: 4 Nov 2024 17:27

Tgt Ion:172 Resp: 822276

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.2	43.8
170	23.4	19.8	29.6



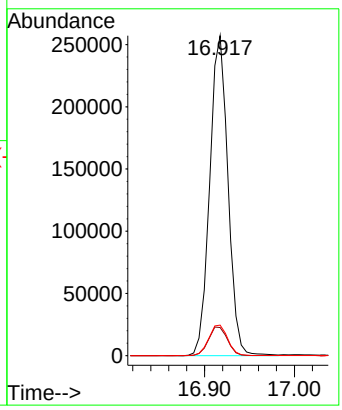


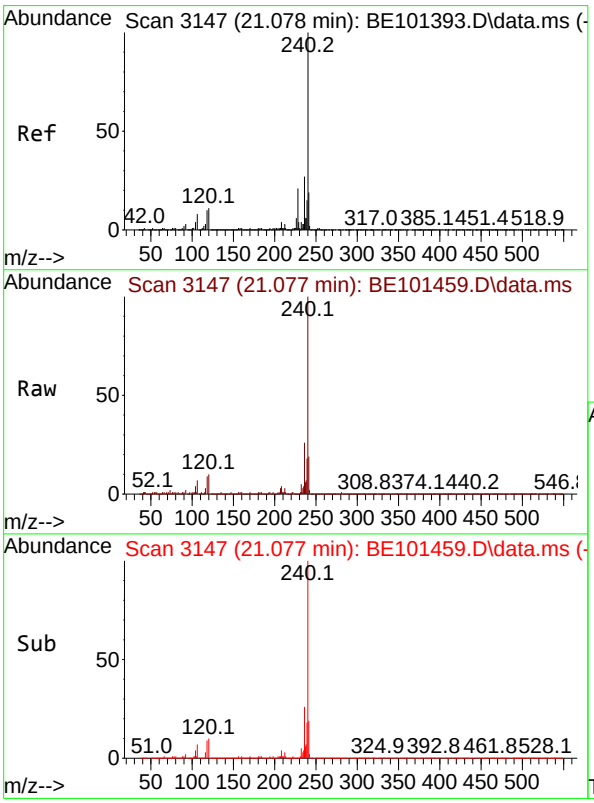
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.917 min Scan# 24
Delta R.T. -0.001 min
Lab File: BE101459.D
Acq: 4 Nov 2024 17:27

Instrument :
BNA_E
ClientSampleId :
COMP-4

Tgt Ion:188 Resp: 362960

Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.8	11.8
80	9.6	8.6	12.8

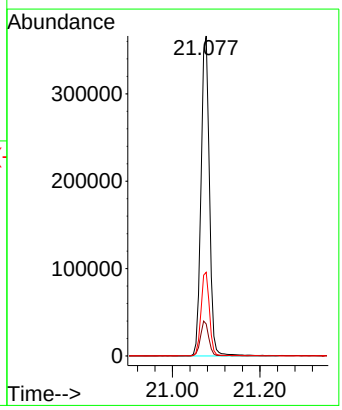


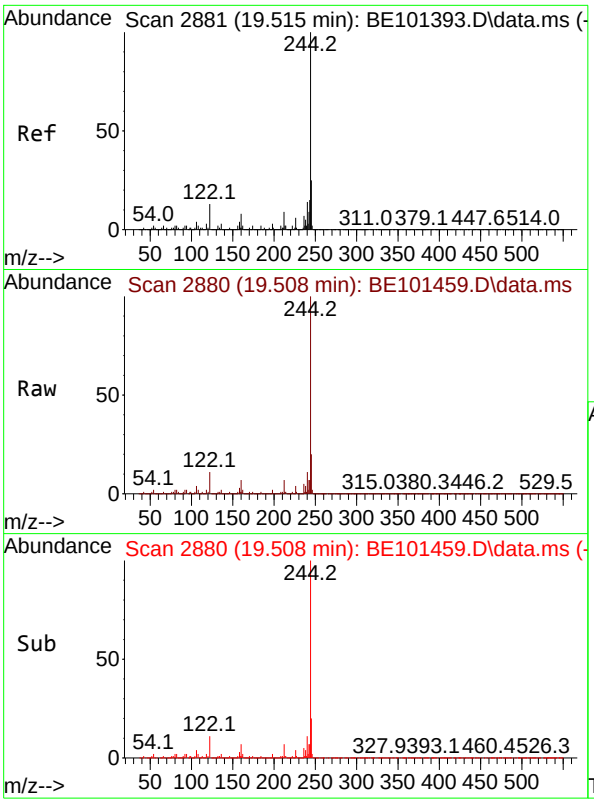


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.077 min Scan# 3147
Delta R.T. -0.001 min
Lab File: BE101459.D
Acq: 4 Nov 2024 17:27

Tgt Ion:240 Resp: 488975

Ion	Ratio	Lower	Upper
240	100		
120	10.0	9.0	13.4
236	26.2	21.4	32.0



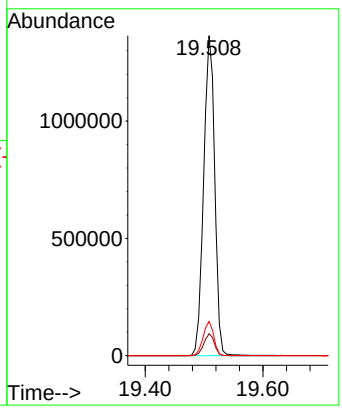


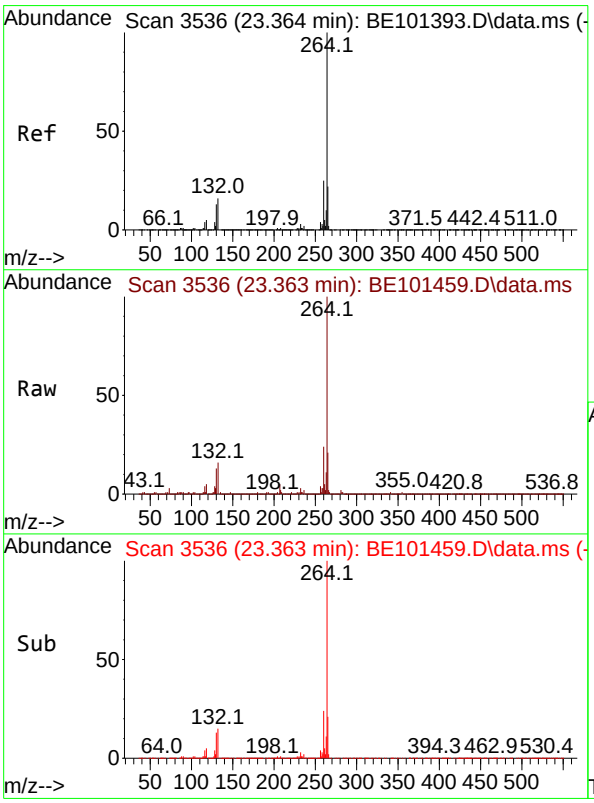
#79
Terphenyl-d14
Concen: 83.810 ng
RT: 19.508 min Scan# 2
Delta R.T. -0.007 min
Lab File: BE101459.D
Acq: 4 Nov 2024 17:27

Instrument :
BNA_E
ClientSampleId :
COMP-4

Tgt Ion:244 Resp: 1780577

Ion	Ratio	Lower	Upper
244	100		
212	6.8	7.2	10.8#
122	10.7	10.4	15.6

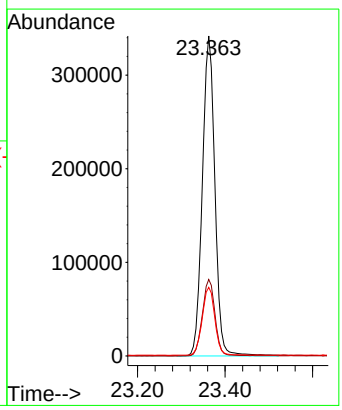




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.363 min Scan# 3536
Delta R.T. -0.001 min
Lab File: BE101459.D
Acq: 4 Nov 2024 17:27

Tgt Ion:264 Resp: 682027

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.8	29.8
265	21.4	17.6	26.4



Raw Data: **BE101477.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-5			SDG No.:	P4675
Lab Sample ID:	P4675-05			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	82.1
Sample Wt/Vol:	30.04	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101477.D	1	11/04/24 08:45	11/05/24 13:56	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	100	U	100	210	ug/Kg
86-73-7	Fluorene	100	U	100	210	ug/Kg
85-01-8	Phenanthrene	100	UQ	100	210	ug/Kg
120-12-7	Anthracene	100	UQ	100	210	ug/Kg
129-00-0	Pyrene	100	U	100	210	ug/Kg
56-55-3	Benzo(a)anthracene	98.2	UQ	98.2	210	ug/Kg
218-01-9	Chrysene	96.7	UQ	96.7	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	98.7	U	98.7	210	ug/Kg
50-32-8	Benzo(a)pyrene	110	UQ	110	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	95.0	UQ	95.0	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	97.4	U	97.4	210	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	62.6		18 - 107	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	69.2		20 - 109	69%	SPK: 100
1718-51-0	Terphenyl-d14	74.7		10 - 105	75%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	56400	7.57			
1146-65-2	Naphthalene-d8	247000	10.337			
15067-26-2	Acenaphthene-d10	169000	14.174			
1517-22-2	Phenanthrene-d10	390000	16.912			
1719-03-5	Chrysene-d12	464000	21.072			
1520-96-3	Perylene-d12	594000	23.363			

Raw Data: **BE101477.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-5			SDG No.:	P4675
Lab Sample ID:	P4675-05			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	82.1
Sample Wt/Vol:	30.04	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101477.D	1	11/04/24 08:45	11/05/24 13:56	PB164639

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_E\Data\BE110524\
Data File : BE101477.D
Acq On : 5 Nov 2024 13:56
Operator : RC/JU
Sample : P4675-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
COMP-5

Quant Time: Nov 05 13:46:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

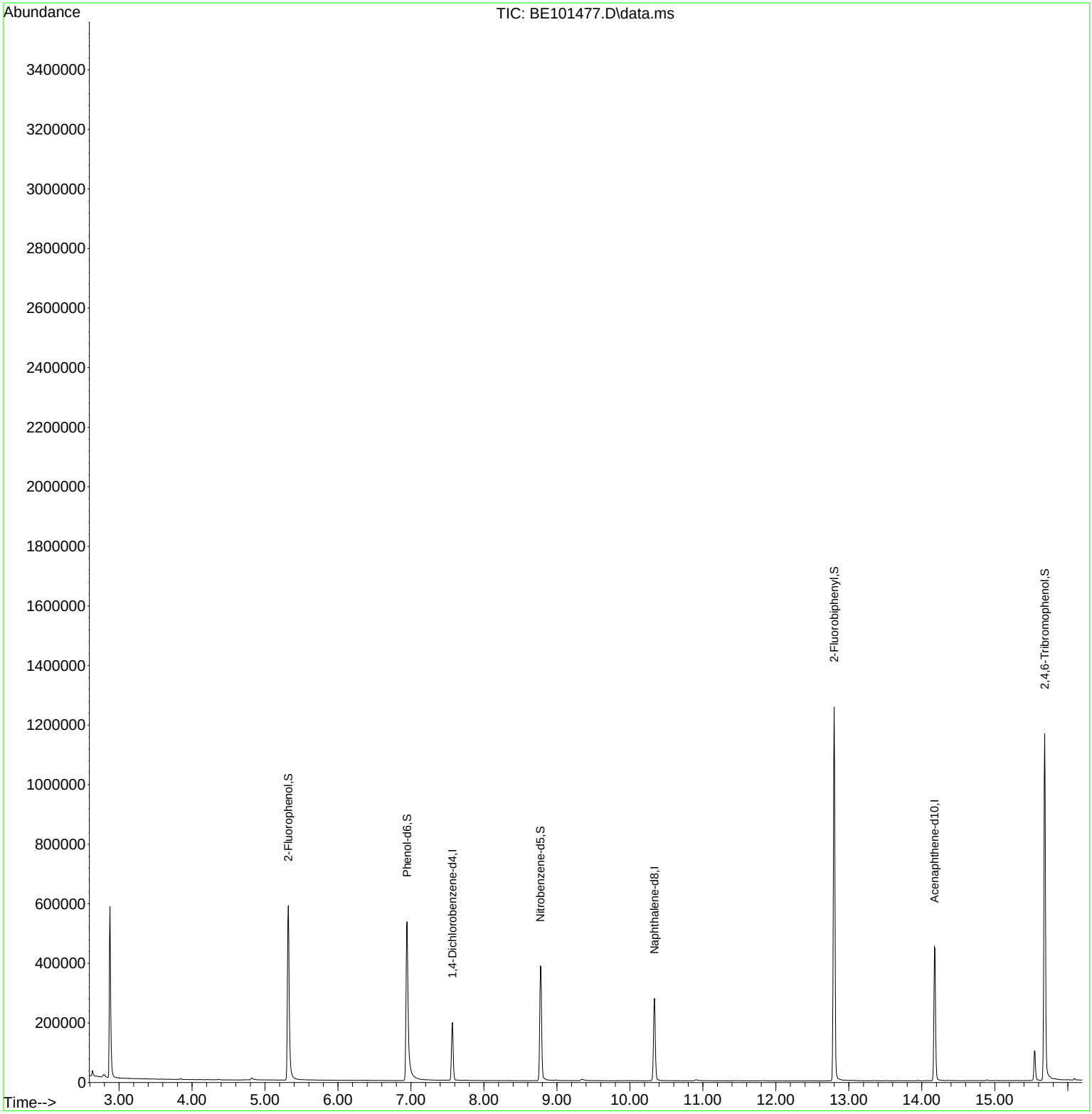
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.570	152	56416	20.000	ng	0.00
21) Naphthalene-d8	10.337	136	246833	20.000	ng	0.00
39) Acenaphthene-d10	14.174	164	168866	20.000	ng	0.00
64) Phenanthrene-d10	16.912	188	390418	20.000	ng	0.00
76) Chrysene-d12	21.072	240	464212	20.000	ng	0.00
86) Perylene-d12	23.363	264	593646	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.320	112	321139	99.768	ng	0.00
7) Phenol-d6	6.947	99	439372	98.441	ng	0.00
23) Nitrobenzene-d5	8.774	82	245890	62.569	ng	-0.01
42) 2,4,6-Tribromophenol	15.684	330	303995	102.712	ng	0.00
45) 2-Fluorobiphenyl	12.799	172	689713	69.170	ng	0.00
79) Terphenyl-d14	19.509	244	1507523	74.743	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
Data File : BE101477.D
Acq On : 5 Nov 2024 13:56
Operator : RC/JU
Sample : P4675-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
COMP-5

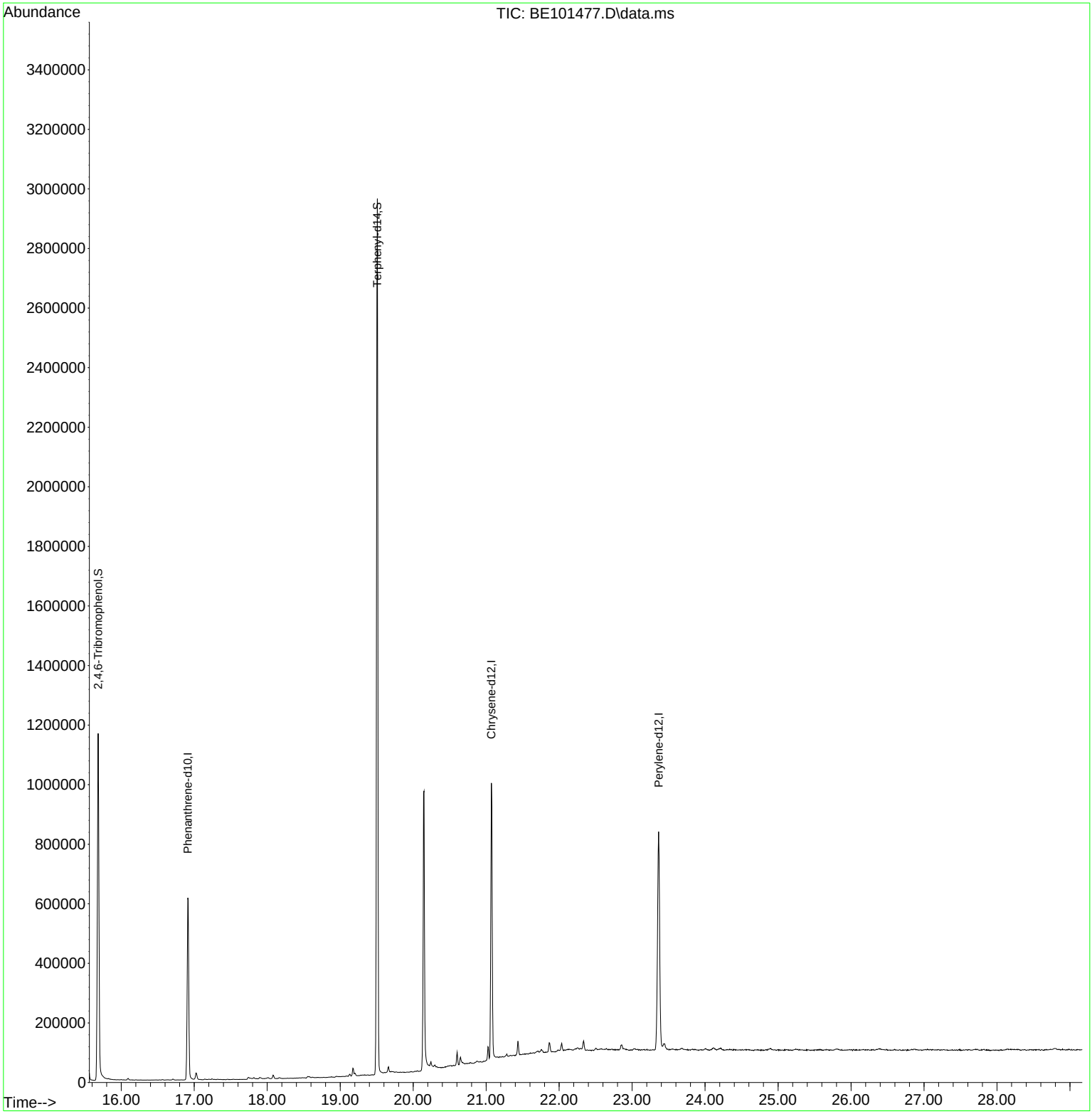
Quant Time: Nov 05 13:46:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

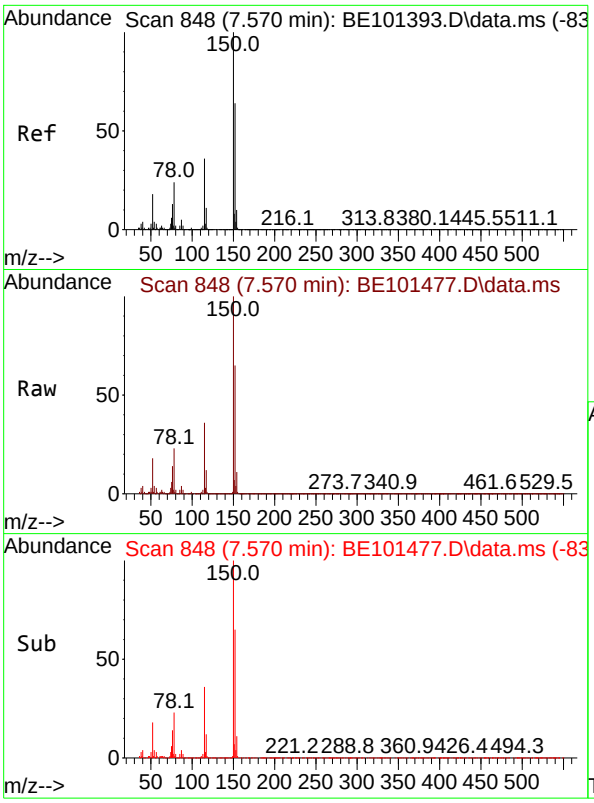


Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
Data File : BE101477.D
Acq On : 5 Nov 2024 13:56
Operator : RC/JU
Sample : P4675-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
COMP-5

Quant Time: Nov 05 13:46:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration



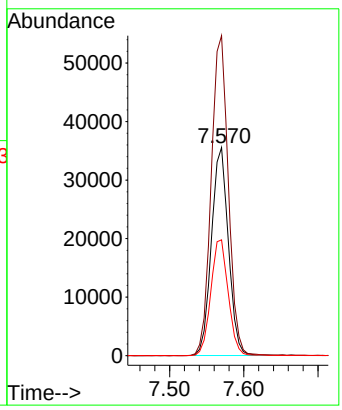


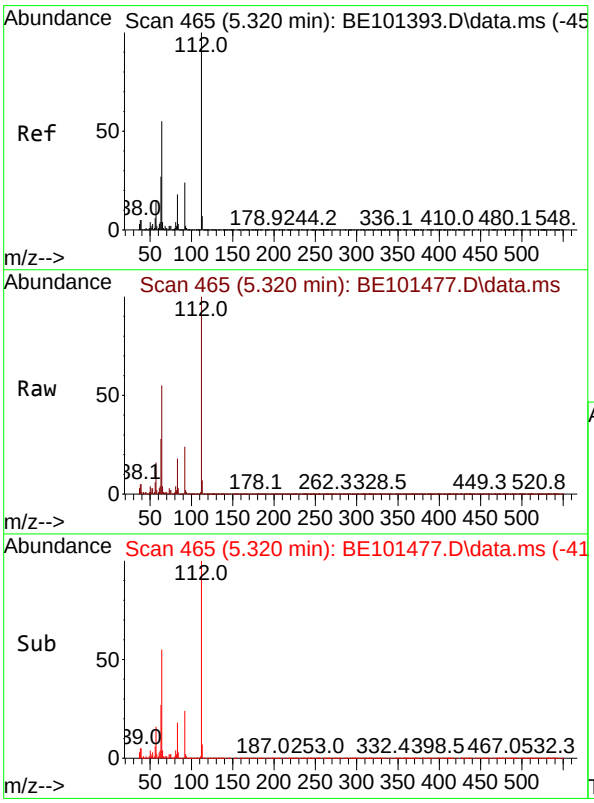
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.570 min Scan# 84
Delta R.T. -0.000 min
Lab File: BE101477.D
Acq: 5 Nov 2024 13:56

Instrument :
BNA_E
ClientSampleId :
COMP-5

Tgt Ion:152 Resp: 56416

Ion	Ratio	Lower	Upper
152	100		
150	153.7	124.2	186.4
115	55.6	45.3	67.9

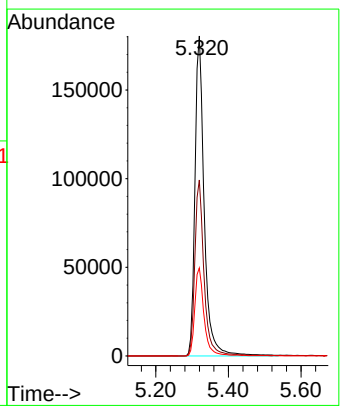


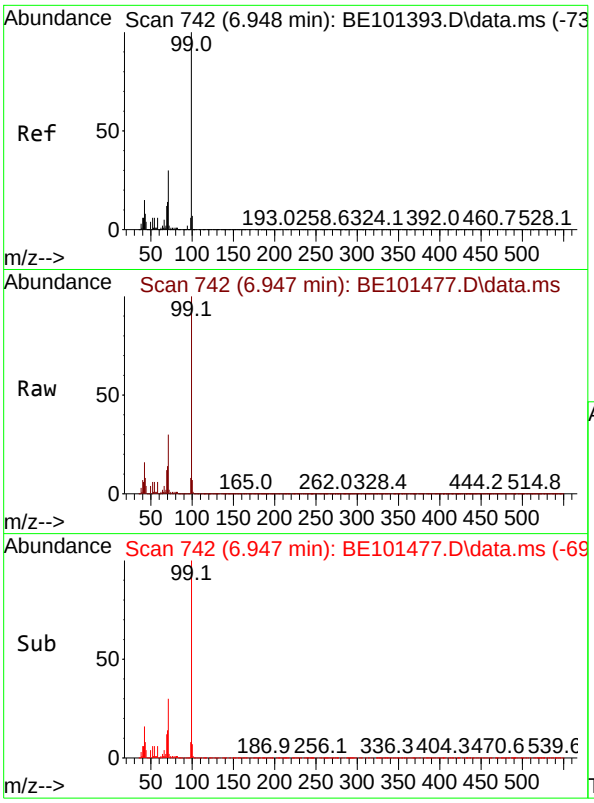


#5
2-Fluorophenol
Concen: 99.768 ng
RT: 5.320 min Scan# 465
Delta R.T. -0.001 min
Lab File: BE101477.D
Acq: 5 Nov 2024 13:56

Tgt Ion:112 Resp: 321139

Ion	Ratio	Lower	Upper
112	100		
64	55.0	43.7	65.5
63	27.5	21.4	32.2



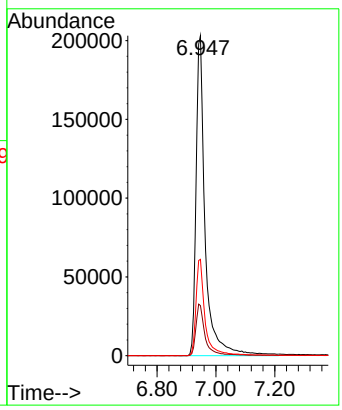


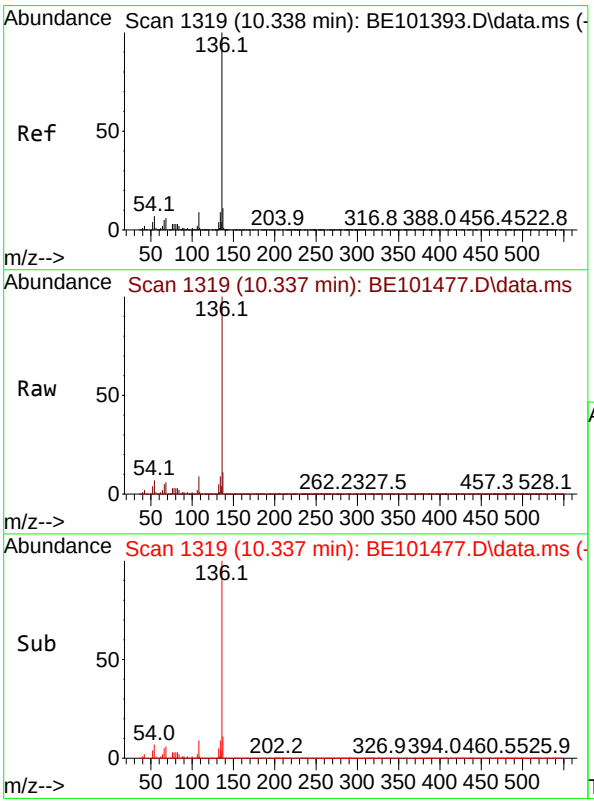
#7
Phenol-d6
Concen: 98.441 ng
RT: 6.947 min Scan# 74
Delta R.T. -0.001 min
Lab File: BE101477.D
Acq: 5 Nov 2024 13:56

Instrument :
BNA_E
ClientSampleId :
COMP-5

Tgt Ion: 99 Resp: 439372

Ion	Ratio	Lower	Upper
99	100		
42	15.6	12.3	18.5
71	30.1	23.8	35.8

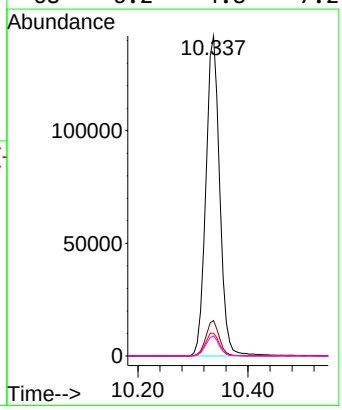


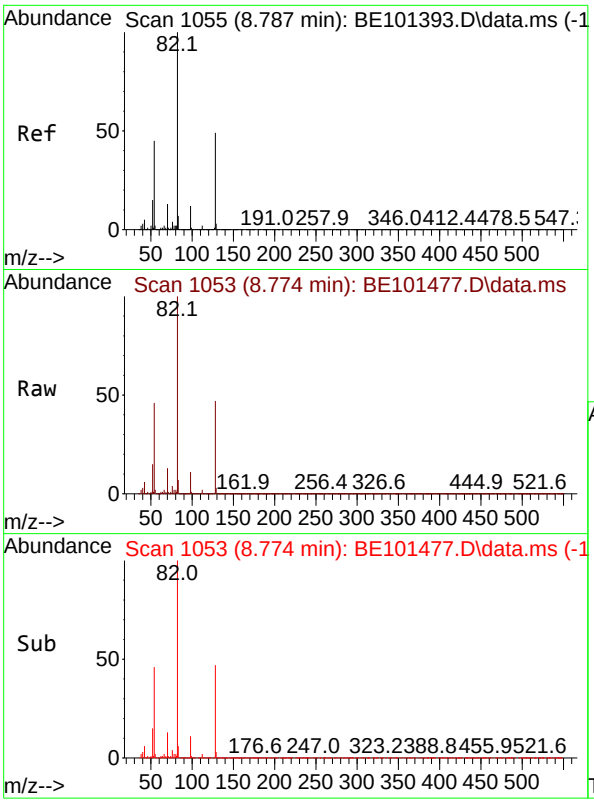


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.337 min Scan# 1319
Delta R.T. -0.001 min
Lab File: BE101477.D
Acq: 5 Nov 2024 13:56

Tgt Ion:136 Resp: 246833

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	7.1	5.9	8.9
68	6.2	4.8	7.2



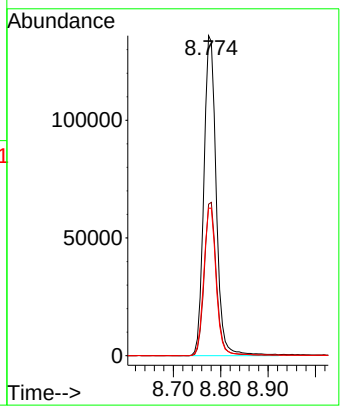


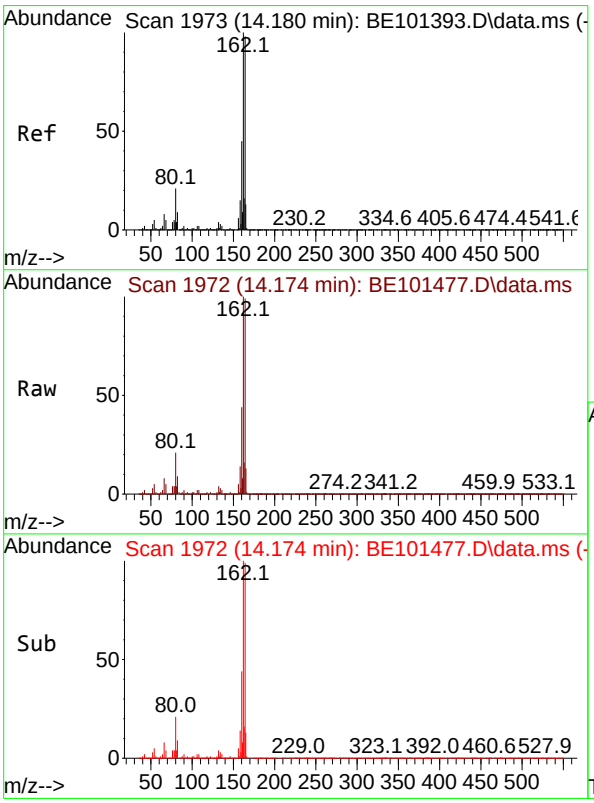
#23
Nitrobenzene-d5
Concen: 62.569 ng
RT: 8.774 min Scan# 1
Delta R.T. -0.012 min
Lab File: BE101477.D
Acq: 5 Nov 2024 13:56

Instrument :
BNA_E
ClientSampleId :
COMP-5

Tgt Ion: 82 Resp: 245890

Ion	Ratio	Lower	Upper
82	100		
128	47.4	38.9	58.3
54	46.1	36.2	54.4

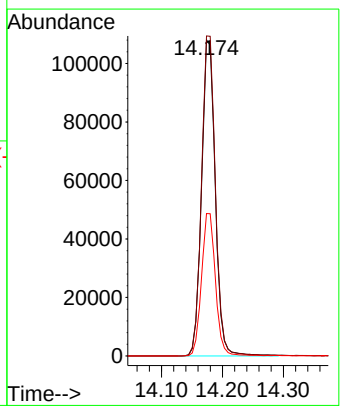


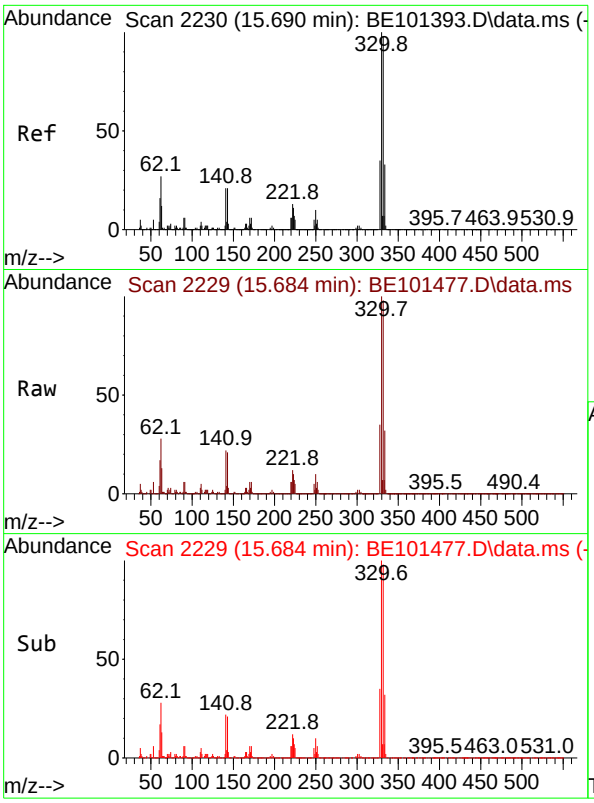


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.174 min Scan# 1972
Delta R.T. -0.006 min
Lab File: BE101477.D
Acq: 5 Nov 2024 13:56

Tgt Ion:164 Resp: 168866

Ion	Ratio	Lower	Upper
164	100		
162	101.2	81.3	121.9
160	45.0	36.4	54.6



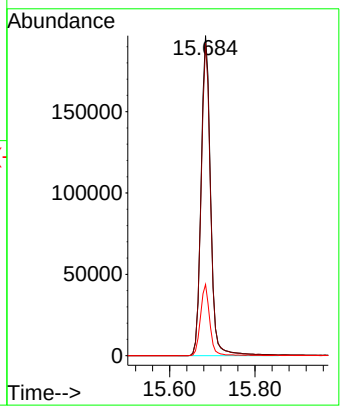


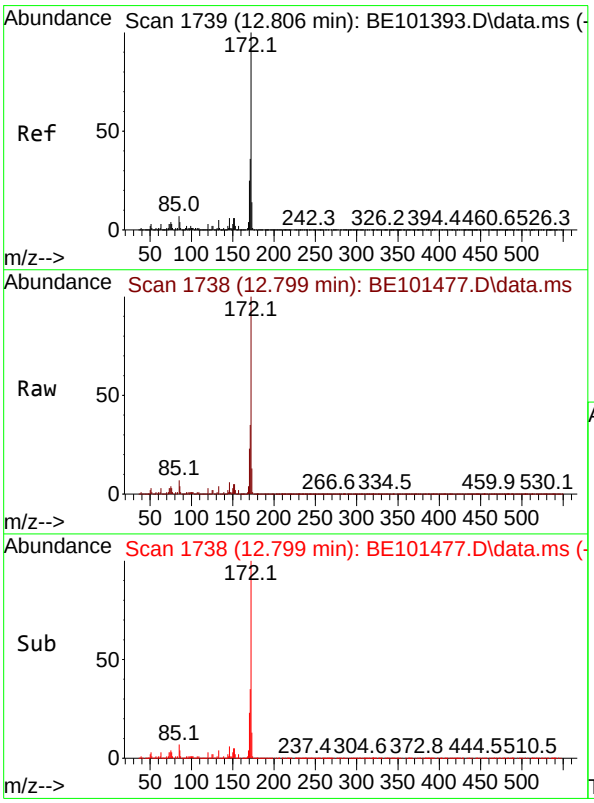
#42
2,4,6-Tribromophenol
Concen: 102.712 ng
RT: 15.684 min Scan# 2
Delta R.T. -0.006 min
Lab File: BE101477.D
Acq: 5 Nov 2024 13:56

Instrument :
BNA_E
ClientSampleId :
COMP-5

Tgt Ion:330 Resp: 303995

Ion	Ratio	Lower	Upper
330	100		
332	97.2	78.2	117.2
141	21.6	18.3	27.5

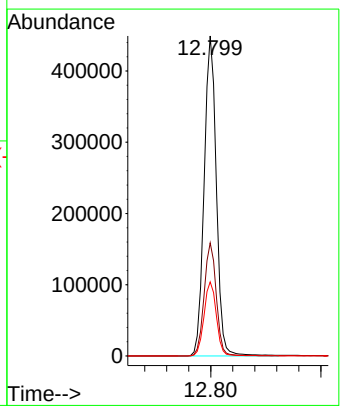


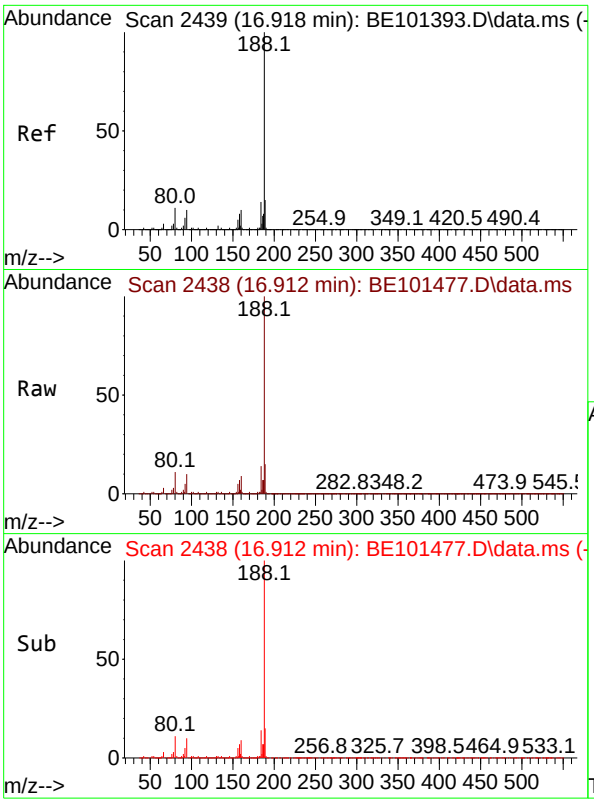


#45
2-Fluorobiphenyl
Concen: 69.170 ng
RT: 12.799 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BE101477.D
Acq: 5 Nov 2024 13:56

Tgt Ion:172 Resp: 689713

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.2	43.8
170	23.2	19.8	29.6



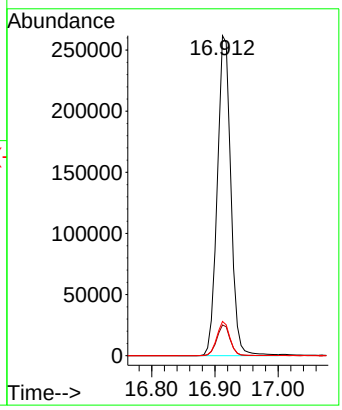


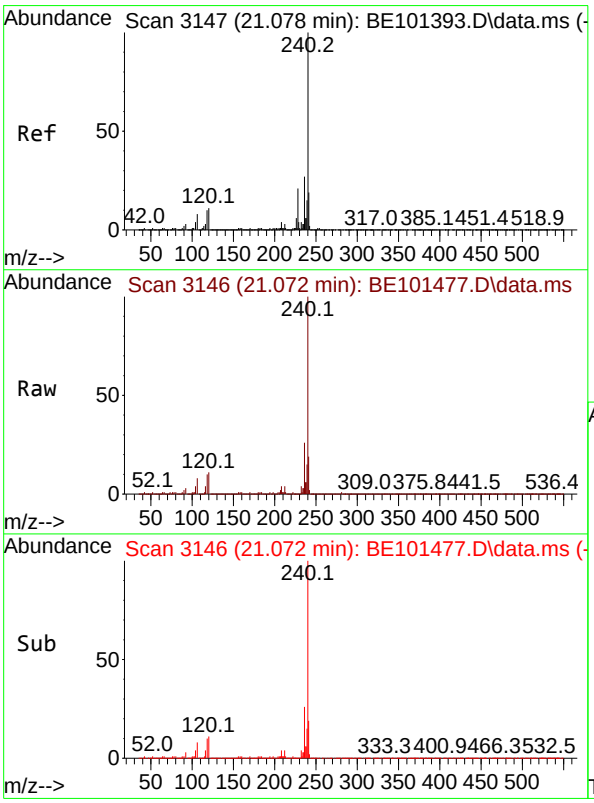
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.912 min Scan# 24
Delta R.T. -0.006 min
Lab File: BE101477.D
Acq: 5 Nov 2024 13:56

Instrument :
BNA_E
ClientSampleId :
COMP-5

Tgt Ion:188 Resp: 390418

Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.8	11.8
80	10.7	8.6	12.8

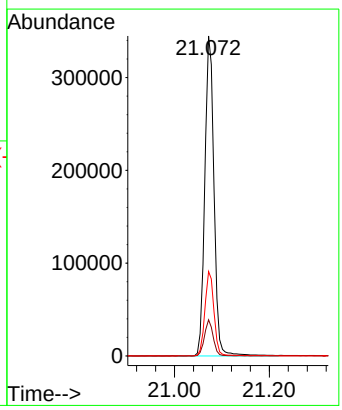


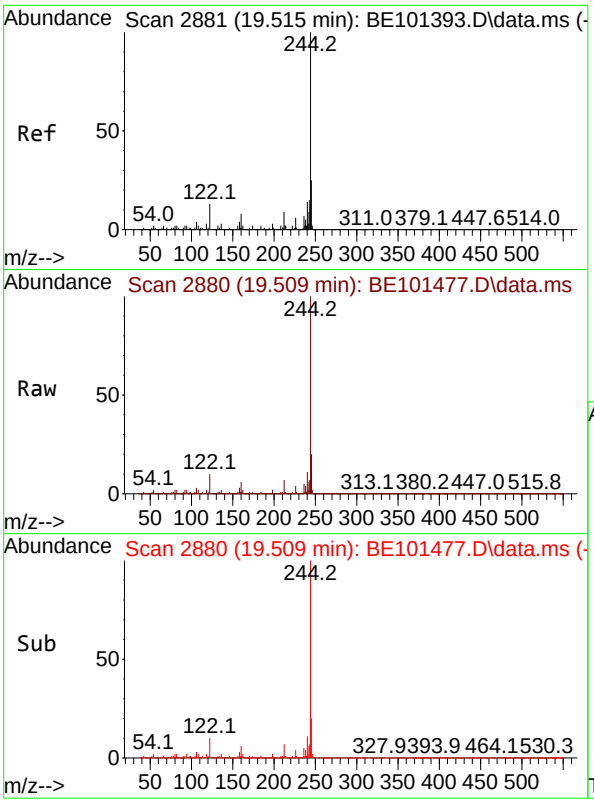


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.072 min Scan# 3146
Delta R.T. -0.006 min
Lab File: BE101477.D
Acq: 5 Nov 2024 13:56

Tgt Ion:240 Resp: 464212

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.0	13.4
236	26.4	21.4	32.0



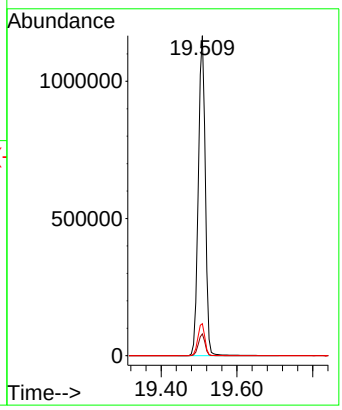


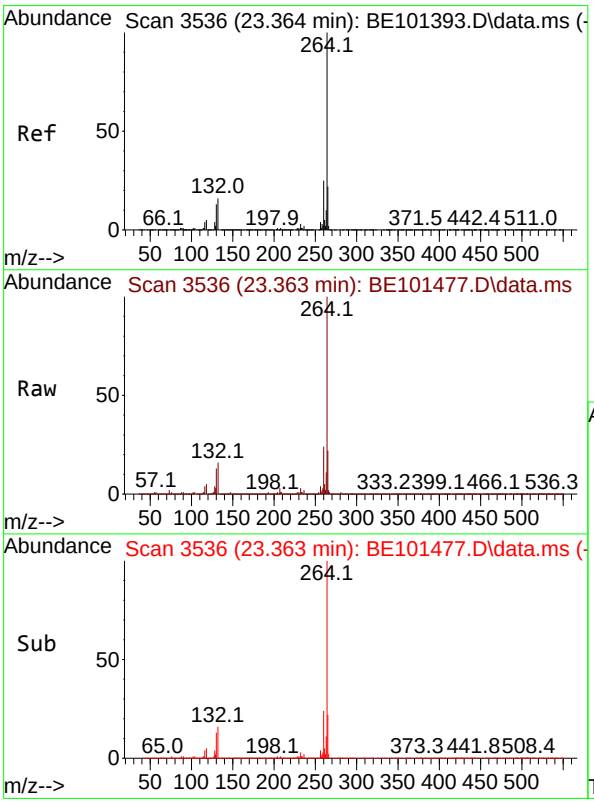
#79
Terphenyl-d14
Concen: 74.743 ng
RT: 19.509 min Scan# 2
Delta R.T. -0.006 min
Lab File: BE101477.D
Acq: 5 Nov 2024 13:56

Instrument :
BNA_E
ClientSampleId :
COMP-5

Tgt Ion:244 Resp: 1507523

Ion	Ratio	Lower	Upper
244	100		
212	6.8	7.2	10.8#
122	10.0	10.4	15.6#

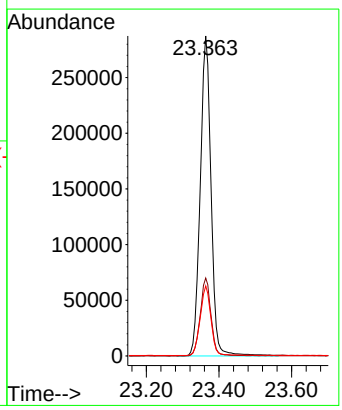




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.363 min Scan# 3536
Delta R.T. -0.001 min
Lab File: BE101477.D
Acq: 5 Nov 2024 13:56

Tgt Ion:264 Resp: 593646

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.8	29.8
265	21.9	17.6	26.4



Raw Data: **BE101478.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-6			SDG No.:	P4675
Lab Sample ID:	P4675-06			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	81.3
Sample Wt/Vol:	30.06	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101478.D	1	11/04/24 08:45	11/05/24 14:32	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	100	U	100	210	ug/Kg
86-73-7	Fluorene	100	U	100	210	ug/Kg
85-01-8	Phenanthrene	100	UQ	100	210	ug/Kg
120-12-7	Anthracene	100	UQ	100	210	ug/Kg
129-00-0	Pyrene	100	U	100	210	ug/Kg
56-55-3	Benzo(a)anthracene	99.1	UQ	99.1	210	ug/Kg
218-01-9	Chrysene	97.6	UQ	97.6	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	99.6	U	99.6	210	ug/Kg
50-32-8	Benzo(a)pyrene	110	UQ	110	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	95.9	UQ	95.9	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	98.3	U	98.3	210	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	68.0		18 - 107	68%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.0		20 - 109	73%	SPK: 100
1718-51-0	Terphenyl-d14	76.1		10 - 105	76%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	60100	7.565			
1146-65-2	Naphthalene-d8	260000	10.338			
15067-26-2	Acenaphthene-d10	173000	14.175			
1517-22-2	Phenanthrene-d10	410000	16.913			
1719-03-5	Chrysene-d12	472000	21.072			
1520-96-3	Perylene-d12	609000	23.364			

Raw Data: **BE101478.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-6			SDG No.:	P4675
Lab Sample ID:	P4675-06			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	81.3
Sample Wt/Vol:	30.06	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101478.D	1	11/04/24 08:45	11/05/24 14:32	PB164639

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_E\Data\BE110524\
Data File : BE101478.D
Acq On : 5 Nov 2024 14:32
Operator : RC/JU
Sample : P4675-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
COMP-6

Quant Time: Nov 05 14:31:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

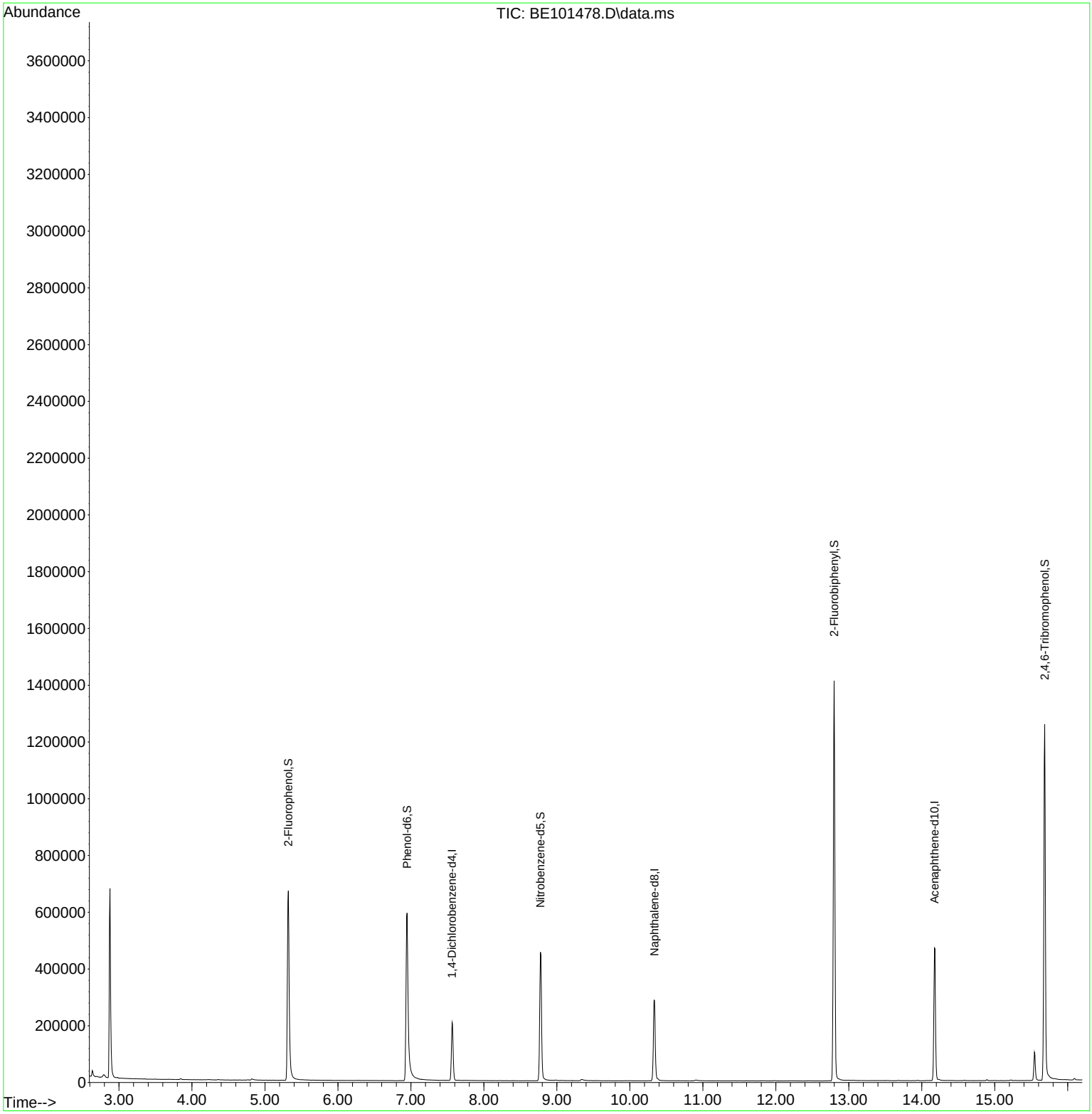
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.565	152	60105	20.000	ng	0.00
21) Naphthalene-d8	10.338	136	260070	20.000	ng	0.00
39) Acenaphthene-d10	14.175	164	173496	20.000	ng	0.00
64) Phenanthrene-d10	16.913	188	409836	20.000	ng	0.00
76) Chrysene-d12	21.072	240	472315	20.000	ng	0.00
86) Perylene-d12	23.364	264	608790	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.320	112	369990	107.889	ng	0.00
7) Phenol-d6	6.948	99	484331	101.854	ng	0.00
23) Nitrobenzene-d5	8.775	82	281414	67.964	ng	-0.01
42) 2,4,6-Tribromophenol	15.685	330	316390	104.047	ng	0.00
45) 2-Fluorobiphenyl	12.800	172	748108	73.025	ng	0.00
79) Terphenyl-d14	19.510	244	1562171	76.123	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
Data File : BE101478.D
Acq On : 5 Nov 2024 14:32
Operator : RC/JU
Sample : P4675-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
COMP-6

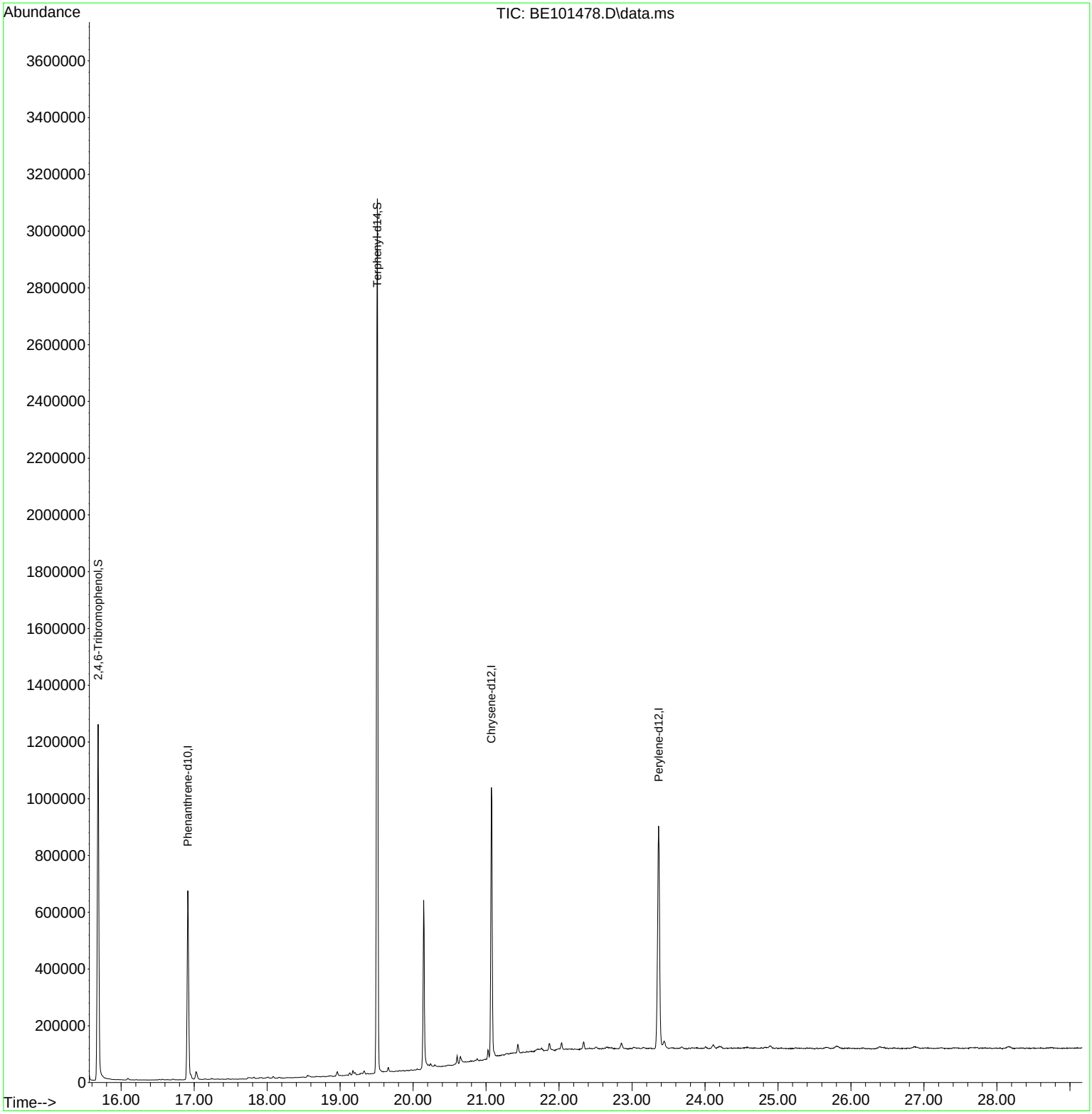
Quant Time: Nov 05 14:31:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

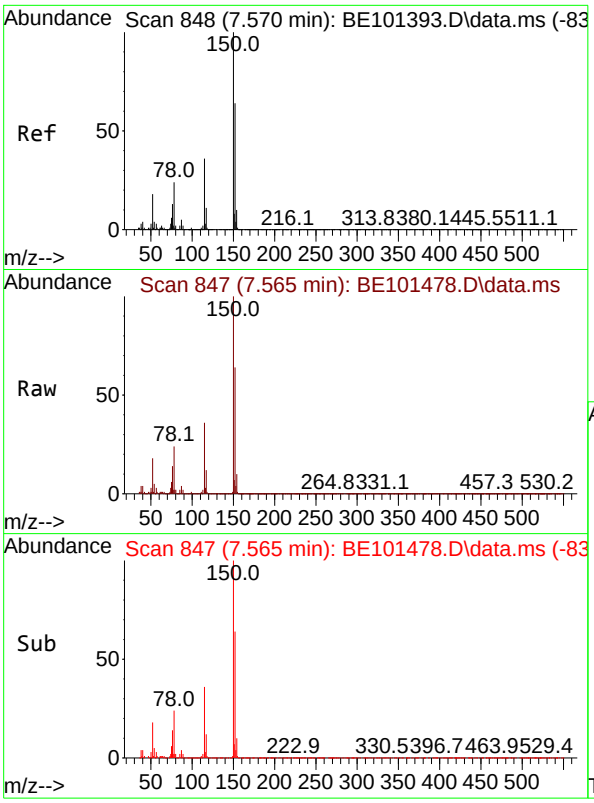


Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
Data File : BE101478.D
Acq On : 5 Nov 2024 14:32
Operator : RC/JU
Sample : P4675-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
COMP-6

Quant Time: Nov 05 14:31:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration



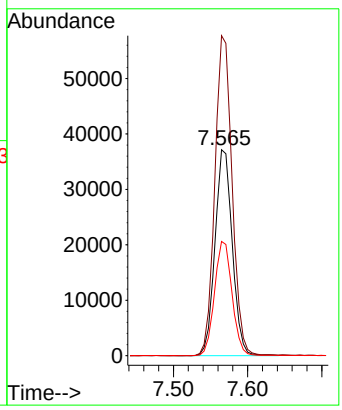


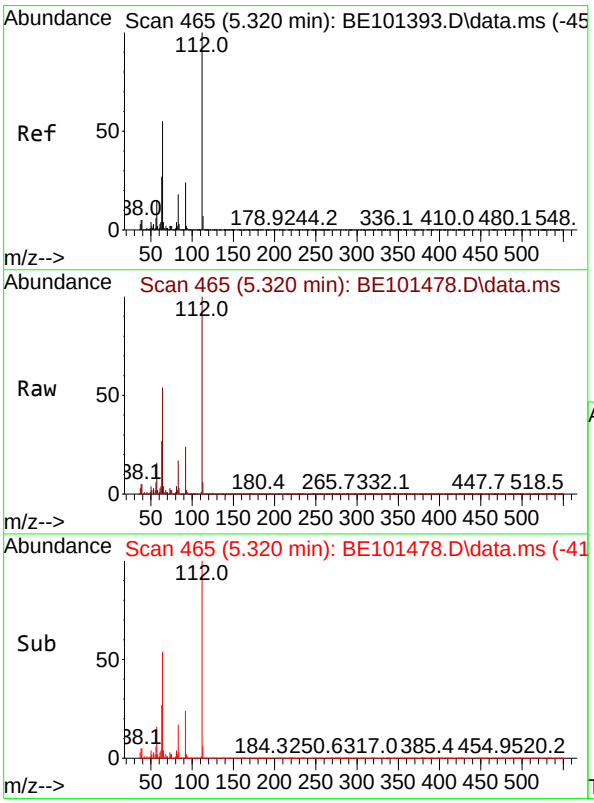
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.565 min Scan# 84
Delta R.T. -0.005 min
Lab File: BE101478.D
Acq: 5 Nov 2024 14:32

Instrument :
BNA_E
ClientSampleId :
COMP-6

Tgt Ion:152 Resp: 60105

Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.2	186.4
115	55.5	45.3	67.9

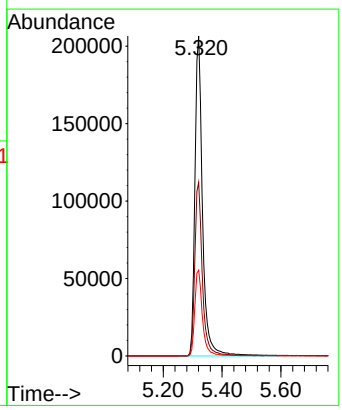


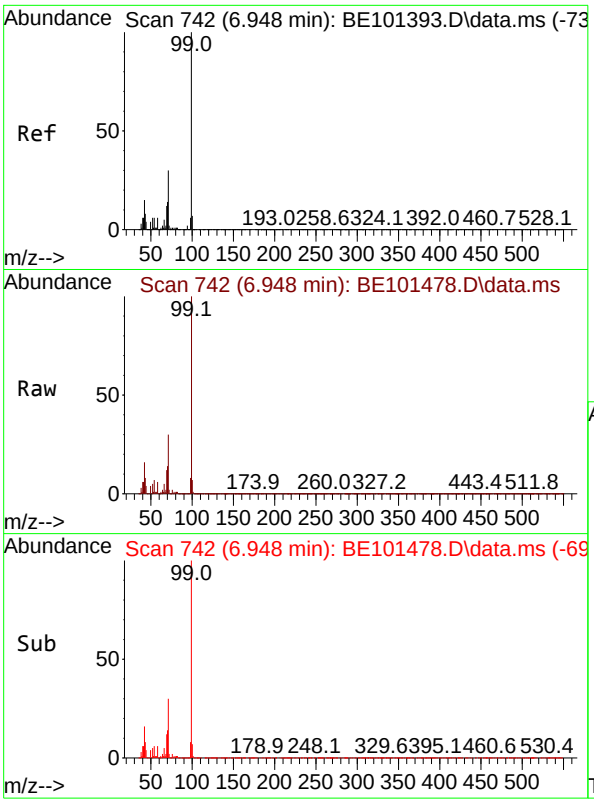


#5
2-Fluorophenol
Concen: 107.889 ng
RT: 5.320 min Scan# 465
Delta R.T. 0.000 min
Lab File: BE101478.D
Acq: 5 Nov 2024 14:32

Tgt Ion:112 Resp: 369990

Ion	Ratio	Lower	Upper
112	100		
64	54.2	43.7	65.5
63	26.8	21.4	32.2



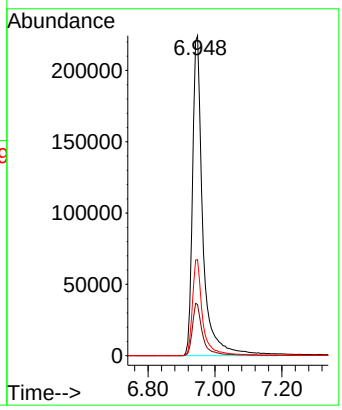


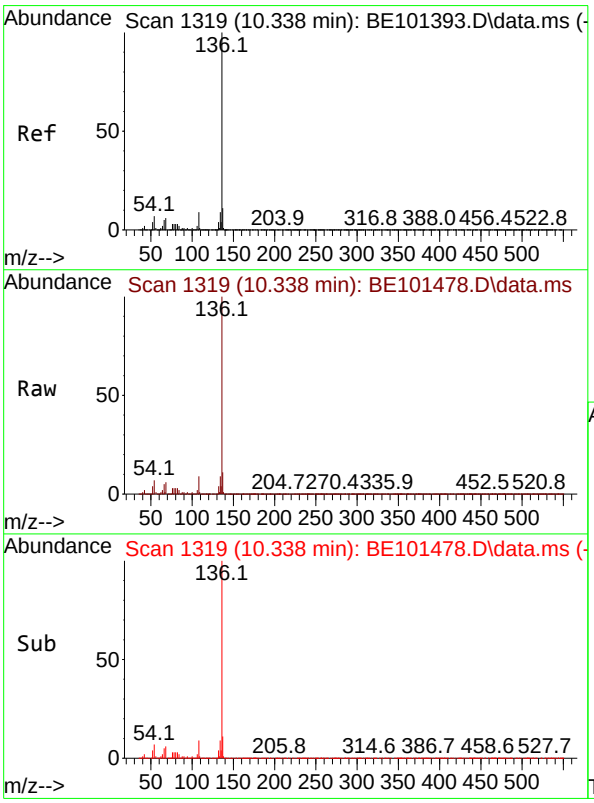
#7
Phenol-d6
Concen: 101.854 ng
RT: 6.948 min Scan# 7
Delta R.T. 0.000 min
Lab File: BE101478.D
Acq: 5 Nov 2024 14:32

Instrument :
BNA_E
ClientSampleId :
COMP-6

Tgt Ion: 99 Resp: 484331

Ion	Ratio	Lower	Upper
99	100		
42	16.0	12.3	18.5
71	30.0	23.8	35.8

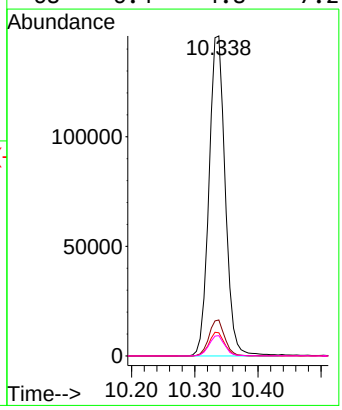


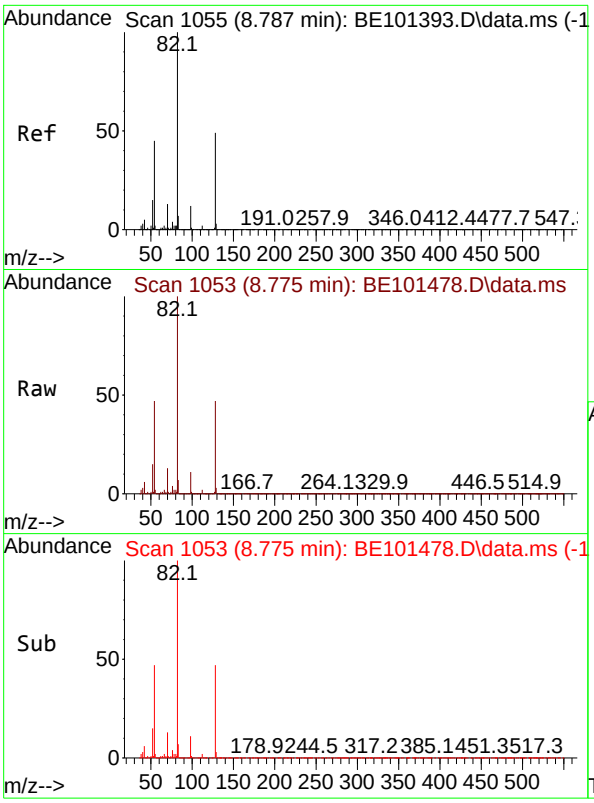


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.338 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BE101478.D
Acq: 5 Nov 2024 14:32

Tgt Ion:136 Resp: 260070

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.6
54	7.2	5.9	8.9
68	6.4	4.8	7.2



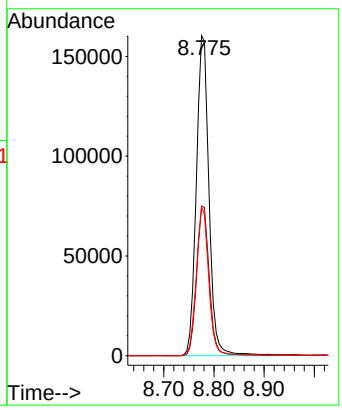


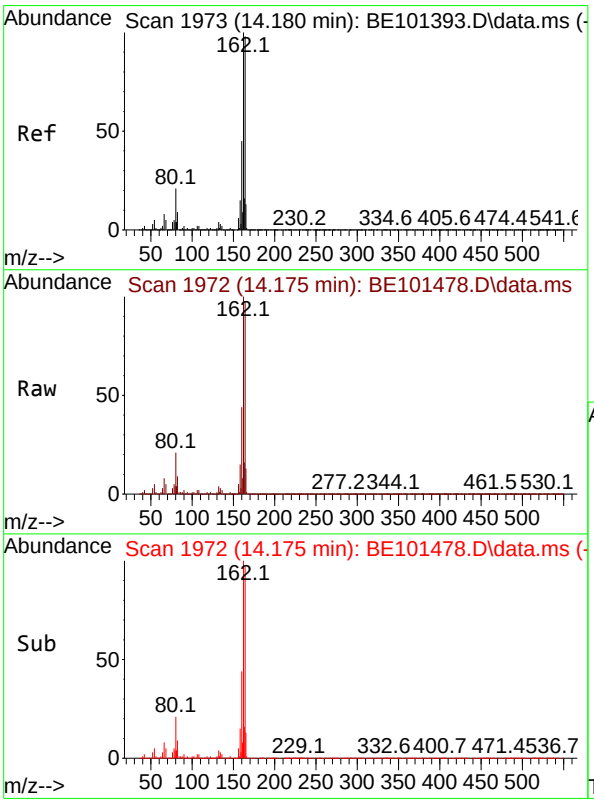
#23
Nitrobenzene-d5
Concen: 67.964 ng
RT: 8.775 min Scan# 1
Delta R.T. -0.012 min
Lab File: BE101478.D
Acq: 5 Nov 2024 14:32

Instrument :
BNA_E
ClientSampleId :
COMP-6

Tgt Ion: 82 Resp: 281414

Ion	Ratio	Lower	Upper
82	100		
128	46.7	38.9	58.3
54	46.5	36.2	54.4

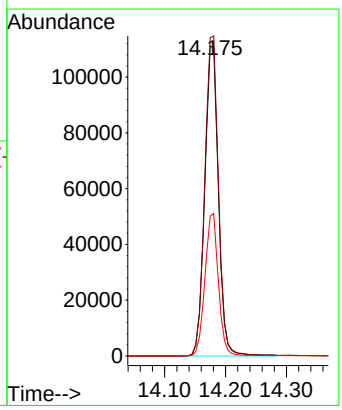


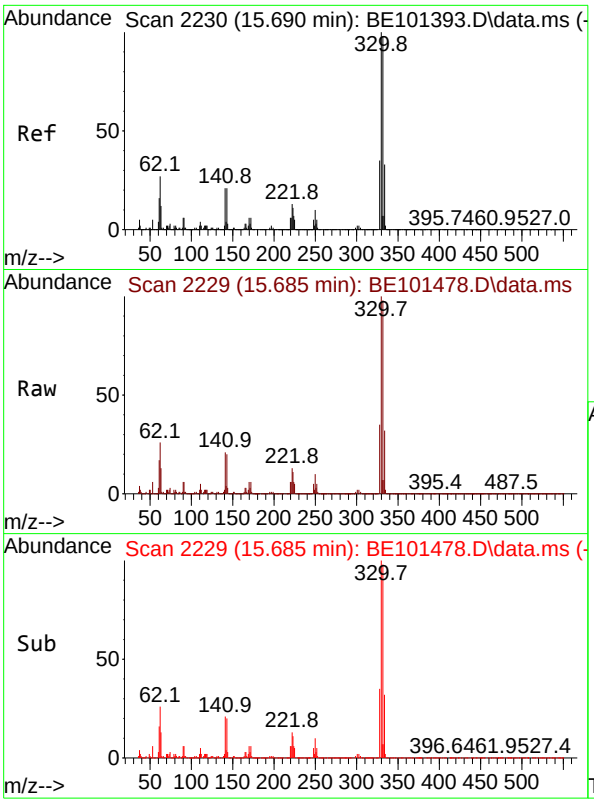


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.175 min Scan# 1972
Delta R.T. -0.006 min
Lab File: BE101478.D
Acq: 5 Nov 2024 14:32

Tgt Ion:164 Resp: 173496

Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.3	121.9
160	45.1	36.4	54.6



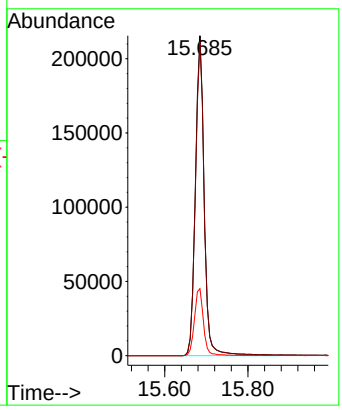


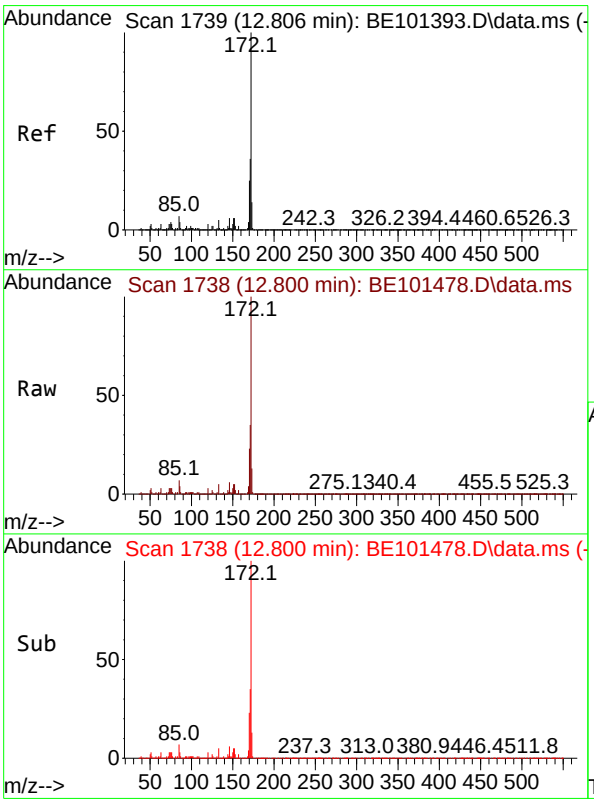
#42
2,4,6-Tribromophenol
Concen: 104.047 ng
RT: 15.685 min Scan# 2
Delta R.T. -0.006 min
Lab File: BE101478.D
Acq: 5 Nov 2024 14:32

Instrument :
BNA_E
ClientSampleId :
COMP-6

Tgt Ion:330 Resp: 316390

Ion	Ratio	Lower	Upper
330	100		
332	98.2	78.2	117.2
141	21.8	18.3	27.5

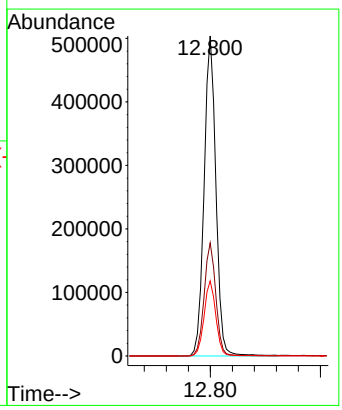


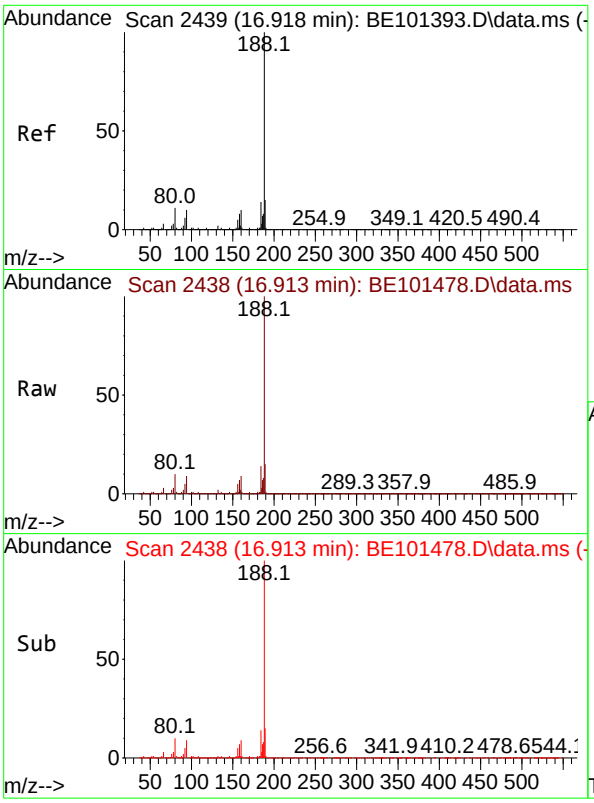


#45
2-Fluorobiphenyl
Concen: 73.025 ng
RT: 12.800 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BE101478.D
Acq: 5 Nov 2024 14:32

Tgt Ion:172 Resp: 748108

Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.2	43.8
170	23.5	19.8	29.6



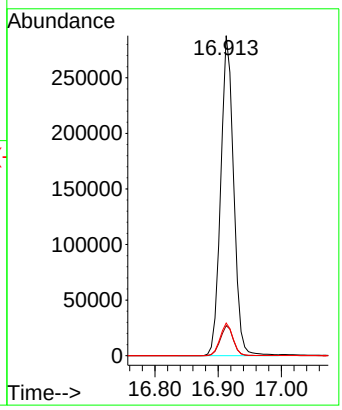


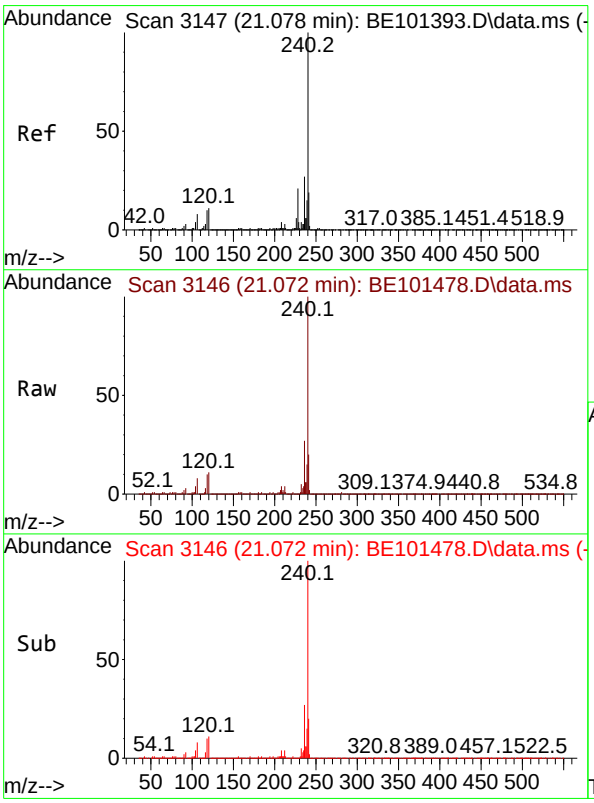
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.913 min Scan# 24
Delta R.T. -0.006 min
Lab File: BE101478.D
Acq: 5 Nov 2024 14:32

Instrument :
BNA_E
ClientSampleId :
COMP-6

Tgt Ion:188 Resp: 409836

Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.8	11.8
80	10.2	8.6	12.8

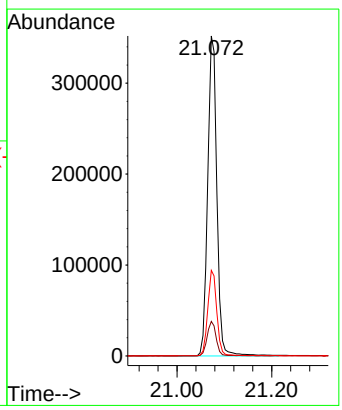


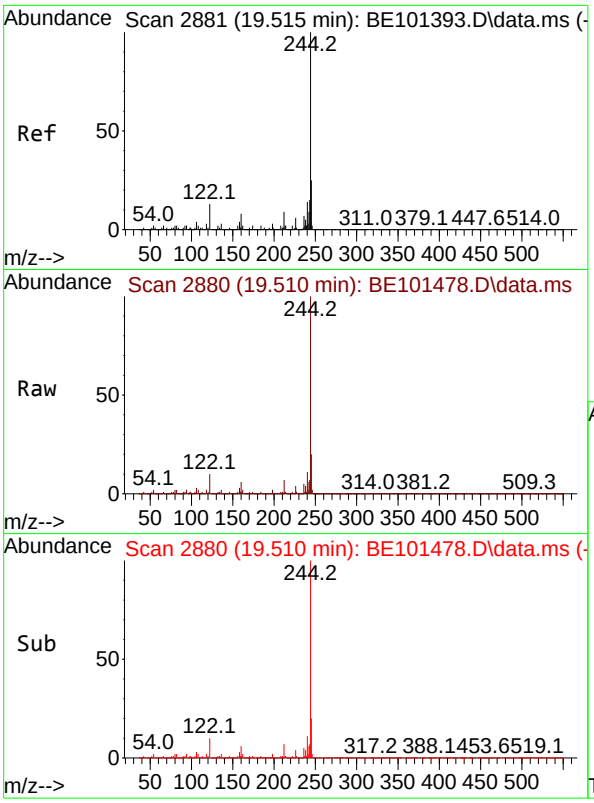


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.072 min Scan# 3146
Delta R.T. -0.006 min
Lab File: BE101478.D
Acq: 5 Nov 2024 14:32

Tgt Ion:240 Resp: 472315

Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.0	13.4
236	26.8	21.4	32.0



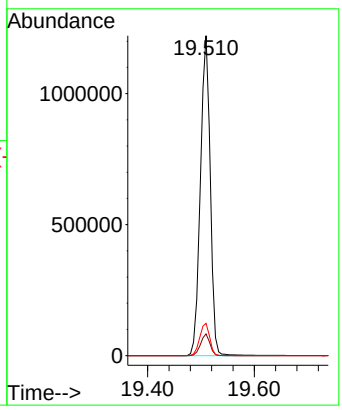


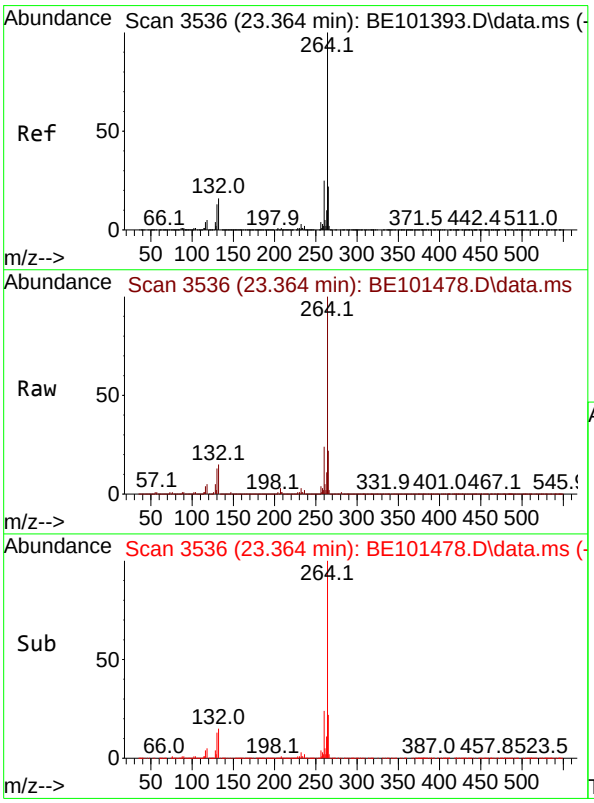
#79
Terphenyl-d14
Concen: 76.123 ng
RT: 19.510 min Scan# 2
Delta R.T. -0.005 min
Lab File: BE101478.D
Acq: 5 Nov 2024 14:32

Instrument :
BNA_E
ClientSampleId :
COMP-6

Tgt Ion:244 Resp: 1562171

Ion	Ratio	Lower	Upper
244	100		
212	6.8	7.2	10.8#
122	10.1	10.4	15.6#

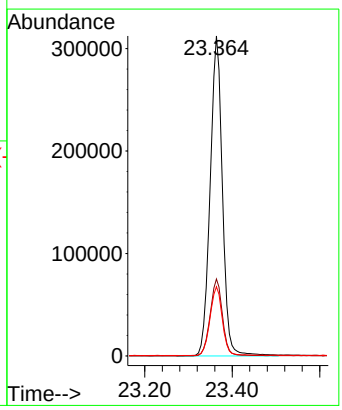




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.364 min Scan# 3536
Delta R.T. 0.000 min
Lab File: BE101478.D
Acq: 5 Nov 2024 14:32

Tgt Ion:264 Resp: 608790

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.8	29.8
265	21.6	17.6	26.4



CALIBRATION SUMMARY

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG No.: P4675

Instrument ID: BNA_E Calibration Date(s): 10/28/2024 10/28/2024

Calibration Time(s): 11:44 16:01

LAB FILE ID: RRF2.5 = BE101389.D RRF005 = BE101390.D RRF010 = BE101391.D
RRF020 = BE101392.D RRF040 = BE101393.D RRF050 = BE101394.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.134	1.073	1.142	1.153	1.143	1.141	3.0
Phenol-d6		1.450	1.475	1.558	1.629	1.594	1.582	6.1
Nitrobenzene-d5		0.292	0.306	0.325	0.336	0.323	0.318	4.8
Naphthalene		1.092	1.040	1.039	1.045	0.982	1.019	5.0
2-Fluorobiphenyl		1.359	1.275	1.283	1.226	1.114	1.181	12.4
Fluorene		1.490	1.450	1.446	1.453	1.354	1.394	6.7
2,4,6-Tribromophenol		0.329	0.341	0.358	0.366	0.355	0.351	3.6
Phenanthrene		1.068	1.023	1.012	0.991	0.912	0.958	9.6
Anthracene		1.002	0.972	0.997	0.979	0.909	0.935	8.1
Pyrene		1.176	1.206	1.184	1.174	1.052	1.100	10.7
Terphenyl-d14		1.036	1.023	0.970	0.841	0.686	0.869	19.3
Benzo(a)anthracene		1.277	1.238	1.243	1.174	1.047	1.124	13.2
Chrysene		1.266	1.225	1.201	1.110	1.005	1.087	14.5
Benzo(b)fluoranthene		1.076	1.113	1.100	1.110	1.023	1.042	8.3
Benzo(a)pyrene		0.935	0.933	0.961	0.966	0.899	0.912	6.4
Indeno(1,2,3-cd)pyrene		1.390	1.352	1.390	1.394	1.315	1.338	4.8
Benzo(g,h,i)perylene		1.162	1.130	1.155	1.179	1.125	1.140	3.0

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_E

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE102824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Oct 29 01:26:30 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BE101389.D 5 =BE101390.D 10 =BE101391.D 20 =BE101392.D 40 =BE101393.D 50 =BE101394.D 60 =BE101395.D 80 =BE1013
96.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.471	0.463	0.454	0.421	0.400	0.392	0.379	0.426	8.76
3)		Pyridine		1.064	1.123	1.255	1.196	1.252	1.287	1.252	1.204	6.80
4)		n-Nitrosodimet...		0.459	0.440	0.454	0.479	0.473	0.488	0.468	0.466	3.45
5)	S	2-Fluorophenol		1.134	1.073	1.142	1.153	1.143	1.187	1.155	1.141	3.03
6)		Aniline		1.059	1.262	1.529	1.346	1.301	1.224	0.767	1.213	19.92
7)	S	Phenol-d6		1.450	1.475	1.558	1.629	1.594	1.727	1.643	1.582	6.15
8)		2-Chlorophenol		1.335	1.305	1.371	1.403	1.369	1.426	1.371	1.369	2.94
9)		Benzaldehyde		0.793	0.849	0.861	0.807	0.678	0.595		0.764	13.74
10)	C	Phenol		1.488	1.456	1.766	1.826	1.797	1.914	1.769	1.717	10.16
11)		bis(2-Chloroet...		1.513	1.401	1.245	1.477	1.322	1.408	1.492	1.408	6.93
12)		1,3-Dichlorobe...		1.563	1.523	1.508	1.488	1.424	1.443	1.382	1.476	4.25
13)	C	1,4-Dichlorobe...		1.624	1.534	1.546	1.505	1.447	1.484	1.409	1.507	4.66
14)		1,2-Dichlorobe...		1.553	1.488	1.502	1.490	1.433	1.472	1.388	1.475	3.56
15)		Benzyl Alcohol		0.704	0.797	0.979	1.061	1.013	1.059	0.990	0.943	14.61
16)		2,2'-oxybis(1-...		1.840	1.857	1.816	1.794	1.711	1.746	1.642	1.772	4.33
17)		2-Methylphenol		1.038	1.078	1.142	1.217	1.181	1.263	1.215	1.162	6.96
18)		Hexachloroethane		0.497	0.486	0.492	0.497	0.495	0.496	0.481	0.492	1.28
19)	P	n-Nitroso-di-n...	0.807	0.900	1.060	1.081	1.150	1.115	1.185	1.102	1.050	12.35
20)		3+4-Methylphenols		1.364	1.500	1.580	1.685	1.646	1.778	1.674	1.604	8.53
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.427	0.447	0.467	0.481	0.449	0.462	0.446	0.454	3.79
23)	S	Nitrobenzene-d5		0.292	0.306	0.325	0.336	0.323	0.331	0.316	0.318	4.78
24)		Nitrobenzene		0.315	0.325	0.349	0.355	0.339	0.350	0.339	0.339	4.26
25)		Isophorone		0.533	0.601	0.624	0.665	0.639	0.655	0.632	0.621	7.13
26)	C	2-Nitrophenol		0.127	0.141	0.162	0.179	0.175	0.182	0.181	0.164	13.41
27)		2,4-Dimethylph...		0.196	0.194	0.207	0.215	0.206	0.215	0.211	0.206	4.19
28)		bis(2-Chloroet...		0.351	0.378	0.388	0.392	0.374	0.385	0.370	0.377	3.65
29)	C	2,4-Dichloroph...		0.257	0.268	0.285	0.297	0.287	0.305	0.297	0.285	6.00
30)		1,2,4-Trichlor...		0.325	0.311	0.315	0.314	0.304	0.307	0.299	0.311	2.71
31)		Naphthalene		1.092	1.040	1.039	1.045	0.982	0.999	0.936	1.019	5.00
32)		Benzoic acid			0.091	0.145	0.196	0.203	0.223	0.234	0.182	29.71
33)		4-Chloroaniline		0.321	0.355	0.373	0.398	0.364	0.365	0.305	0.354	8.87
34)	C	Hexachlorobuta...		0.193	0.185	0.187	0.187	0.179	0.180	0.176	0.184	3.26
35)		Caprolactam		0.077	0.093	0.109	0.119	0.118	0.126	0.124	0.109	16.48
36)	C	4-Chloro-3-met...		0.277	0.314	0.321	0.341	0.330	0.347	0.343	0.325	7.51
37)		2-Methylnaphth...		0.753	0.752	0.736	0.756	0.711	0.736	0.696	0.734	3.12
38)		1-Methylnaphth...		0.750	0.756	0.735	0.751	0.709	0.733	0.696	0.733	3.08

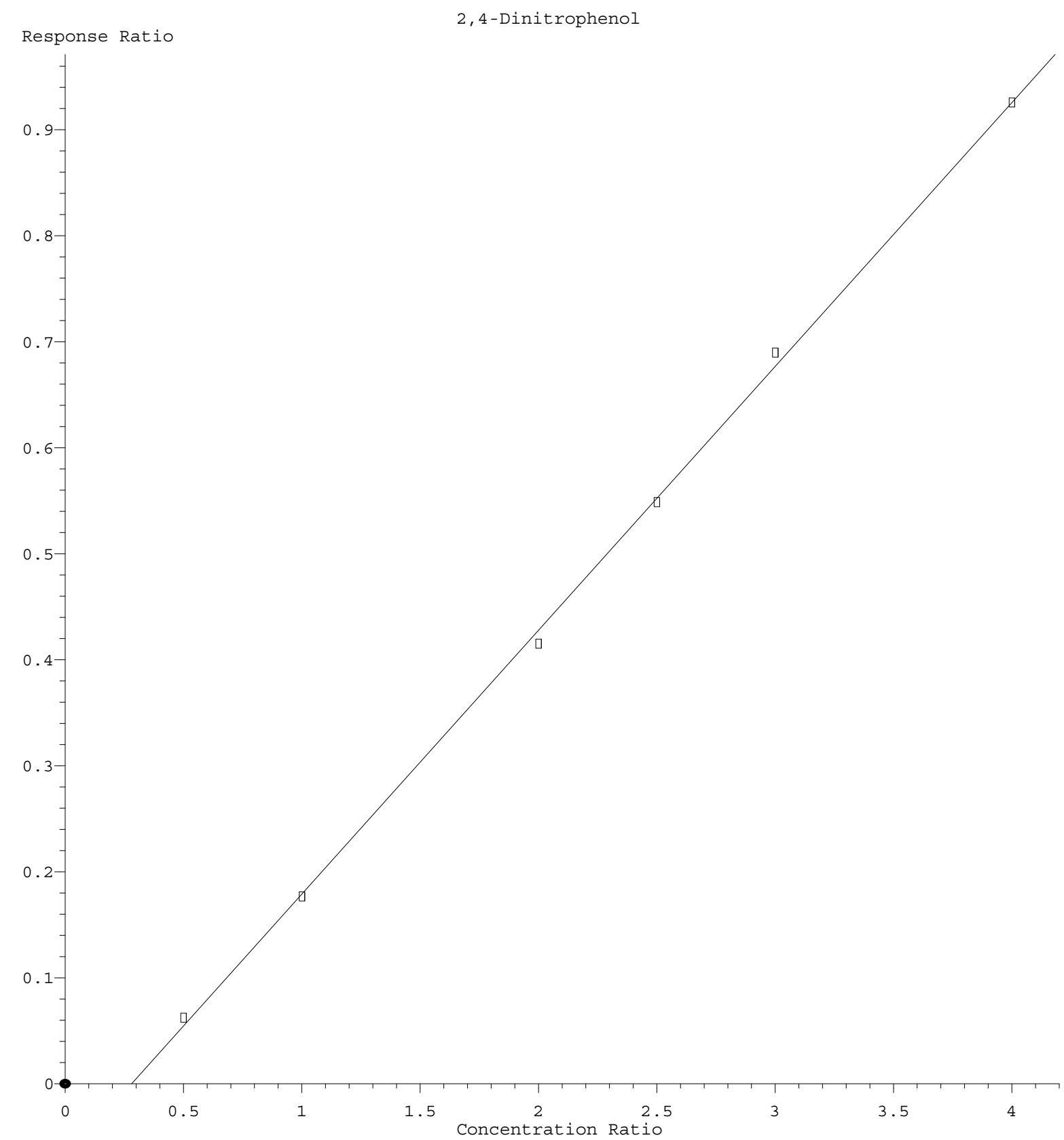
Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE102824.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.522	0.493	0.515	0.512	0.491	0.499	0.481	0.502	2.96
41)	P	Hexachlorocycl...	0.153	0.150	0.179	0.177	0.173	0.168	0.162	0.166	6.85
42)	S	2,4,6-Tribromo...	0.329	0.341	0.358	0.366	0.355	0.359	0.346	0.351	3.59
43)	C	2,4,6-Trichlor...	0.310	0.325	0.352	0.369	0.353	0.360	0.353	0.346	6.01
44)		2,4,5-Trichlor...	0.356	0.372	0.401	0.415	0.402	0.418	0.411	0.396	5.93
45)	S	2-Fluorobiphenyl	1.359	1.275	1.283	1.226	1.114	1.072	0.938	1.181	12.39
46)		1,1'-Biphenyl	1.477	1.399	1.431	1.408	1.326	1.326	1.224	1.370	6.15
47)		2-Chloronaphth...	1.159	1.091	1.112	1.098	1.054	1.060	1.002	1.083	4.60
48)		2-Nitroaniline	0.214	0.243	0.295	0.318	0.318	0.329	0.322	0.291	15.45
49)		Acenaphthylene	1.613	1.605	1.656	1.677	1.586	1.597	1.473	1.601	4.07
50)		Dimethylphthalate	1.446	1.469	1.459	1.449	1.378	1.383	1.298	1.412	4.38
51)		2,6-Dinitrotol...	0.284	0.309	0.331	0.345	0.333	0.346	0.334	0.326	6.77
52)	C	Acenaphthene	1.120	1.080	1.073	1.075	1.016	1.017	0.936	1.045	5.79
53)		3-Nitroaniline	0.266	0.296	0.342	0.357	0.347	0.345	0.315	0.324	10.25
54)	P	2,4-Dinitrophenol		0.125	0.177	0.208	0.219	0.230	0.231	0.198	20.84
55)		Dibenzofuran	1.828	1.739	1.721	1.695	1.604	1.608	1.468	1.666	7.02
56)	P	4-Nitrophenol		0.219	0.291	0.311	0.318	0.324	0.318	0.297	13.34
57)		2,4-Dinitrotol...	0.344	0.407	0.454	0.481	0.480	0.495	0.481	0.449	12.18
58)		Fluorene	1.490	1.450	1.446	1.453	1.354	1.342	1.222	1.394	6.71
59)		2,3,4,6-Tetrac...	0.345	0.355	0.368	0.382	0.367	0.378	0.369	0.366	3.48
60)		Diethylphthalate	1.499	1.532	1.560	1.535	1.456	1.427	1.327	1.477	5.47
61)		4-Chlorophenyl...	0.737	0.713	0.705	0.707	0.676	0.673	0.631	0.692	5.05
62)		4-Nitroaniline	0.267	0.316	0.374	0.391	0.393	0.394	0.389	0.361	13.79
63)		Azobenzene	1.280	1.309	1.331	1.319	1.248	1.245	1.154	1.269	4.80
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.086	0.108	0.123	0.125	0.131	0.133	0.118	15.15
66)	c	n-Nitrosodiphe...	0.542	0.548	0.545	0.553	0.516	0.520	0.489	0.530	4.33
67)		4-Bromophenyl-...	0.211	0.207	0.209	0.215	0.208	0.215	0.209	0.210	1.48
68)		Hexachlorobenzene	0.283	0.272	0.274	0.283	0.271	0.278	0.269	0.276	2.01
69)		Atrazine	0.182	0.179	0.160	0.184	0.109			0.163	19.39
70)	C	Pentachlorophenol	0.116	0.137	0.159	0.173	0.172	0.177	0.177	0.159	14.86
71)		Phenanthrene	1.068	1.023	1.012	0.991	0.912	0.896	0.801	0.958	9.62
72)		Anthracene	1.002	0.972	0.997	0.979	0.909	0.893	0.793	0.935	8.08
73)		Carbazole	1.010	0.987	1.033	0.995	0.939	0.914	0.820	0.957	7.62
74)		Di-n-butylphth...	1.018	1.088	1.221	1.136	1.058	0.985	0.867	1.053	10.73
75)	C	Fluoranthene	1.320	1.268	1.306	1.199	1.102	1.043	0.903	1.163	13.27
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.236	0.285	0.253	0.347	0.228	0.198	0.230	0.254	19.22
78)		Pyrene	1.176	1.206	1.184	1.174	1.052	1.016	0.890	1.100	10.69
79)	S	Terphenyl-d14	1.036	1.023	0.970	0.841	0.686	0.657		0.869	19.31
80)		Butylbenzylpht...	0.443	0.467	0.515	0.510	0.494	0.490	0.455	0.482	5.73
81)		Benzo(a)anthra...	1.277	1.238	1.243	1.174	1.047	1.010	0.879	1.124	13.18
82)		3,3'-Dichlorob...	0.404	0.438	0.470	0.481	0.450	0.444	0.396	0.440	7.11
83)		Chrysene	1.266	1.225	1.201	1.110	1.005	0.962	0.838	1.087	14.51
84)		Bis(2-ethylhex...	0.550	0.608	0.705	0.698	0.672	0.659	0.591	0.641	9.15
85)	c	Di-n-octyl pht...	0.987	1.057	1.209	1.137	1.053	1.032	0.883	1.051	9.92

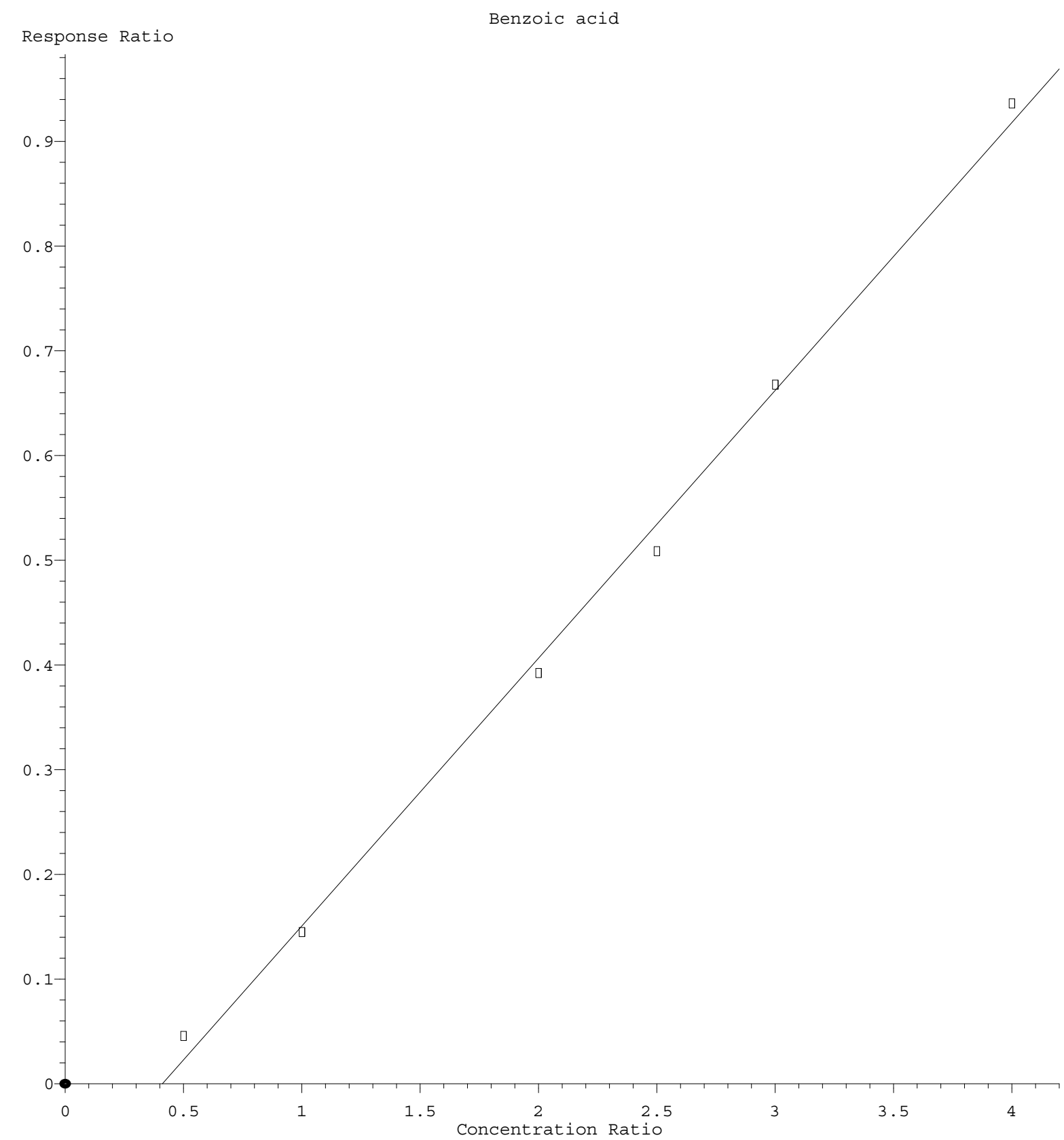
Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE102824.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.390	1.352	1.390	1.394	1.315	1.315	1.214	1.338	4.83
88)		Benzo(b)fluora...	1.076	1.113	1.100	1.110	1.023	1.000	0.873	1.042	8.29
89)		Benzo(k)fluora...	1.126	1.042	1.087	1.015	0.897	0.875	0.774	0.974	13.13
90)	C	Benzo(a)pyrene	0.935	0.933	0.961	0.966	0.899	0.890	0.796	0.912	6.37
91)		Dibenzo(a,h)an...	1.130	1.125	1.169	1.170	1.089	1.083	0.977	1.106	6.00
92)		Benzo(g,h,i)pe...	1.162	1.130	1.155	1.179	1.125	1.152	1.075	1.140	2.98

(#) = Out of Range



Response = 2.491e-001 * Amt - 6.995e-002
Coef of Det (r^2) = 0.999215 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA E\Methods\8270-BE102824.M
Calibration Table Last Updated: Tue Oct 29 01:26:30 2024



Response = 2.558e-001 * Amt - 1.051e-001
Coef of Det (r^2) = 0.996743 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA E\Methods\8270-BE102824.M
Calibration Table Last Updated: Tue Oct 29 01:26:30 2024

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101389.D
Acq On : 28 Oct 2024 11:44
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 29 00:21:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 00:20:51 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.572	152	112211	20.000	ng	0.00
21) Naphthalene-d8	10.339	136	522612	20.000	ng	0.00
39) Acenaphthene-d10	14.182	164	379442	20.000	ng	0.00
64) Phenanthrene-d10	16.920	188	934130	20.000	ng	0.00
76) Chrysene-d12	21.079	240	1119449	20.000	ng	0.00
86) Perylene-d12	23.371	264	1421910	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.383	70	11323	1.922	ng	99

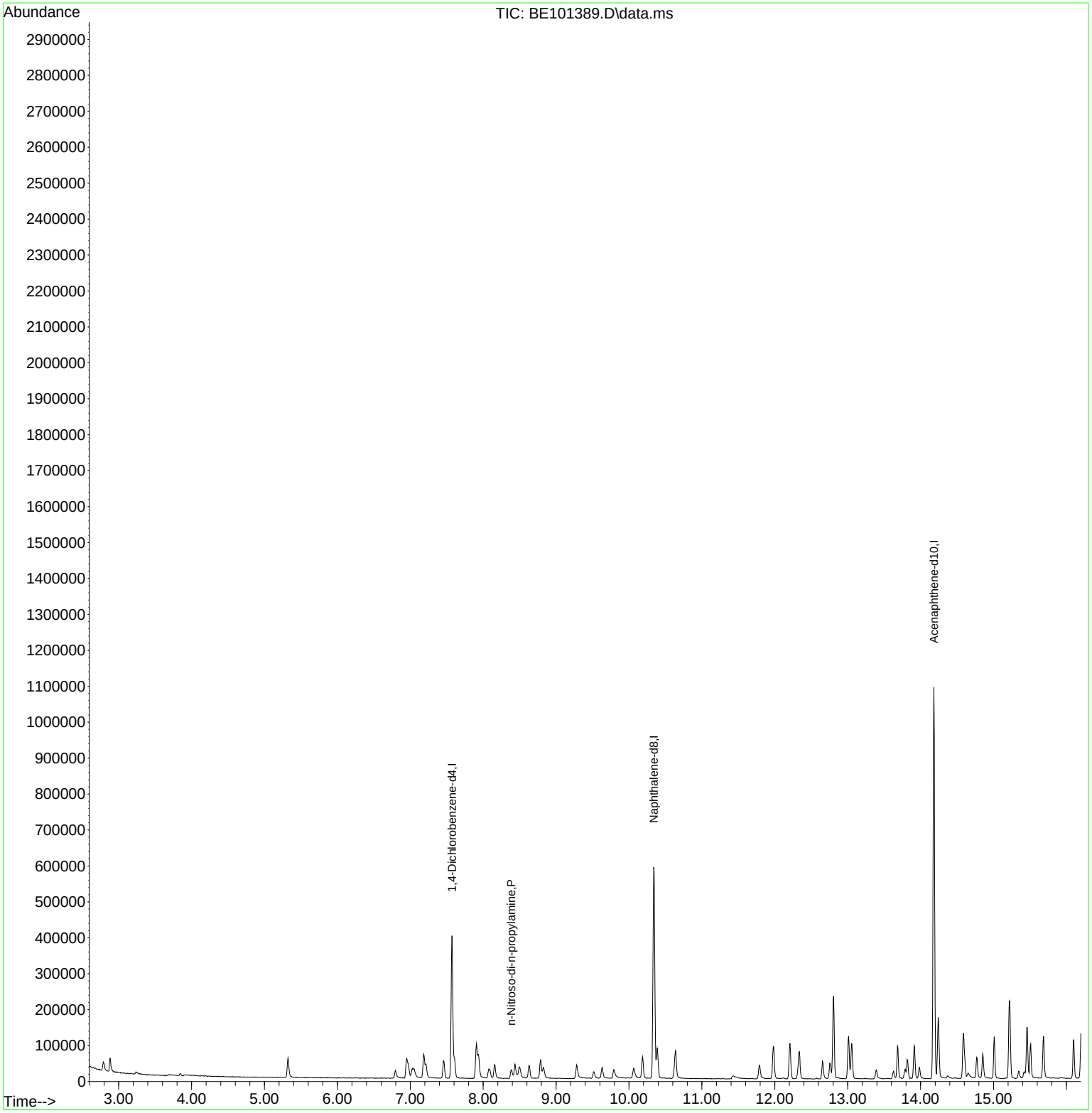
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101389.D
Acq On : 28 Oct 2024 11:44
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 29 00:21:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 00:20:51 2024
Response via : Initial Calibration

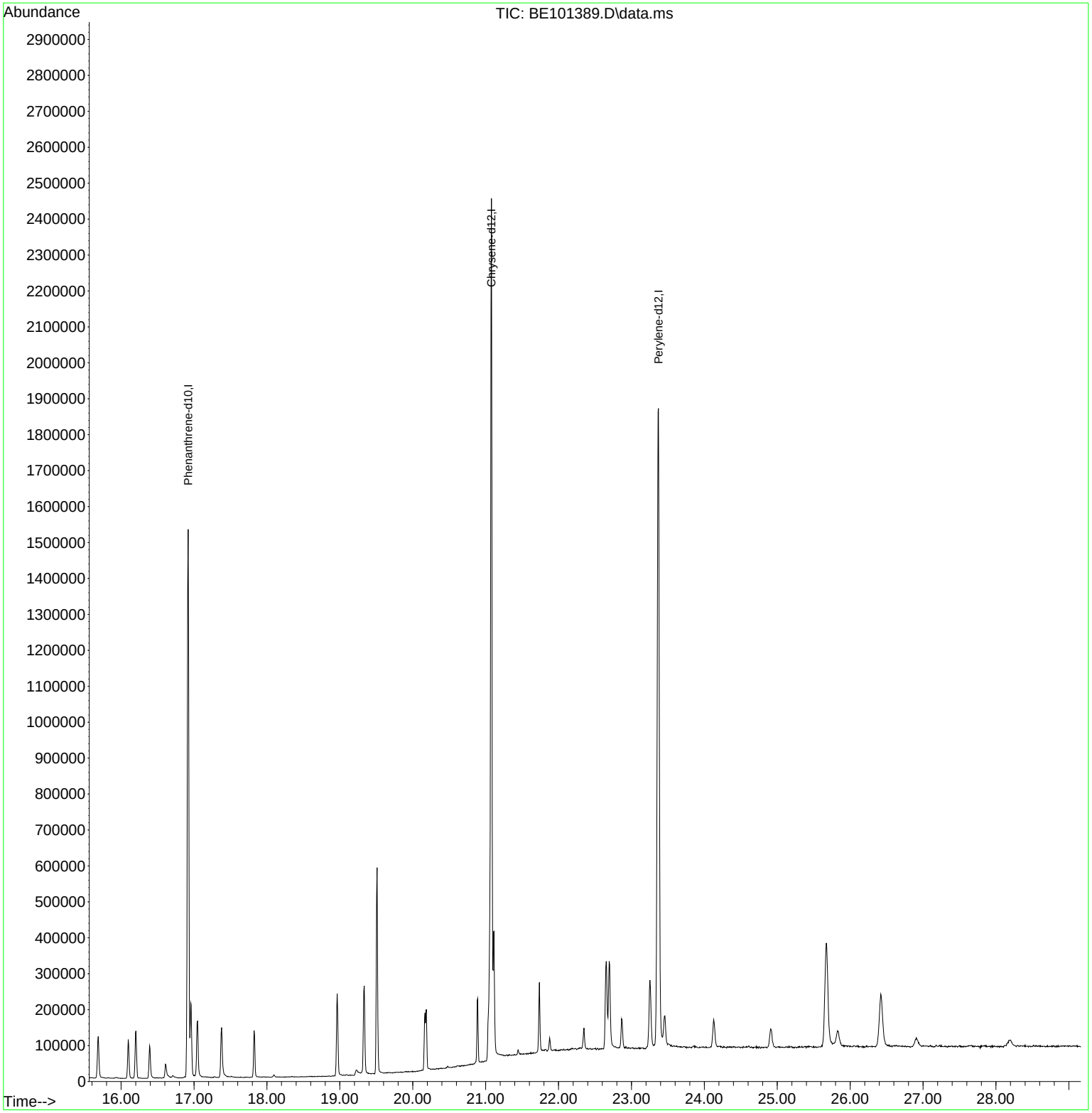


ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101389.D
Acq On : 28 Oct 2024 11:44
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 29 00:21:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 00:20:51 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101390.D
Acq On : 28 Oct 2024 12:23
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024

Quant Time: Oct 29 01:06:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 00:58:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.570	152	118304	20.000	ng		0.00
21) Naphthalene-d8	10.337	136	544178	20.000	ng		0.00
39) Acenaphthene-d10	14.180	164	377798	20.000	ng		0.00
64) Phenanthrene-d10	16.918	188	892142	20.000	ng		0.00
76) Chrysene-d12	21.078	240	1100014	20.000	ng		0.00
86) Perylene-d12	23.363	264	1419712	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.320	112	67080	9.938	ng		0.00
7) Phenol-d6	6.947	99	85753	9.162	ng		0.00
23) Nitrobenzene-d5	8.786	82	79382	9.162	ng		0.00
42) 2,4,6-Tribromophenol	15.684	330	62167	9.389	ng		0.00
45) 2-Fluorobiphenyl	12.805	172	256728	11.508	ng		0.00
79) Terphenyl-d14	19.509	244	569888	11.924	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.228	88	13926	5.532	ng		92
3) Pyridine	3.810	79	31470m	4.430	ng		
4) n-Nitrosodimethylamine	3.651	42	13573m	4.997	ng		
6) Aniline	7.024	93	31326	4.367	ng		97
8) 2-Chlorophenol	7.217	128	39490	4.878	ng		99
9) Benzaldehyde	6.794	77	23443	5.189	ng		98
10) Phenol	6.971	94	44021	4.335	ng		96
11) bis(2-Chloroethyl)ether	7.041	93	44763m	5.459	ng		
12) 1,3-Dichlorobenzene	7.458	146	46227	5.295	ng		97
13) 1,4-Dichlorobenzene	7.605	146	48018	5.386	ng		97
14) 1,2-Dichlorobenzene	7.934	146	45931	5.264	ng		98
15) Benzyl Alcohol	7.923	79	20828	3.733	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.081	45	54415	5.190	ng		97
17) 2-Methylphenol	8.158	107	30687	4.465	ng		96
18) Hexachloroethane	8.628	117	14712	5.054	ng		94
19) n-Nitroso-di-n-propyla...	8.381	70	26623	4.287	ng		97
20) 3+4-Methylphenols	8.492	107	40353	4.253	ng		97
22) Acetophenone	8.434	105	58143	4.706	ng	#	98
24) Nitrobenzene	8.821	77	42873	4.649	ng		93
25) Isophorone	9.280	82	72478	4.287	ng		96
26) 2-Nitrophenol	9.515	139	17266	3.874	ng		97
27) 2,4-Dimethylphenol	9.626	122	26611	4.745	ng		91
28) bis(2-Chloroethoxy)met...	9.785	93	47763	4.658	ng		97
29) 2,4-Dichlorophenol	10.061	162	35022	4.514	ng		96
30) 1,2,4-Trichlorobenzene	10.185	180	44208	5.230	ng		99
31) Naphthalene	10.390	128	148597	5.359	ng		99
33) 4-Chloroaniline	10.619	127	43714	4.533	ng		98
34) Hexachlorobutadiene	10.637	225	26263	5.249	ng		98
35) Caprolactam	11.401	113	10440m	3.518	ng		
36) 4-Chloro-3-methylphenol	11.783	107	37639	4.261	ng		97
37) 2-Methylnaphthalene	11.977	142	102472	5.129	ng		99
38) 1-Methylnaphthalene	12.206	142	101988	5.115	ng		99
40) 1,2,4,5-Tetrachloroben...	12.335	216	49333	5.202	ng		98
41) Hexachlorocyclopentadiene	12.317	237	14492	4.627	ng		97
43) 2,4,6-Trichlorophenol	12.652	196	29292	4.480	ng		98
44) 2,4,5-Trichlorophenol	12.752	196	33625	4.491	ng		96

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101390.D
Acq On : 28 Oct 2024 12:23
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024

Quant Time: Oct 29 01:06:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 00:58:30 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	1,1'-Biphenyl	13.011	154	139541	5.391	ng		99
47)	2-Chloronaphthalene	13.052	162	109485	5.354	ng		98
48)	2-Nitroaniline	13.387	65	20195	3.670	ng		89
49)	Acenaphthylene	13.910	152	152325	5.037	ng		98
50)	Dimethylphthalate	13.680	163	136570	5.121	ng		98
51)	2,6-Dinitrotoluene	13.816	165	26828	4.357	ng	#	85
52)	Acenaphthene	14.245	154	105777	5.357	ng		99
53)	3-Nitroaniline	14.233	138	25147	4.108	ng		95
55)	Dibenzofuran	14.585	168	172675	5.486	ng		97
57)	2,4-Dinitrotoluene	14.603	165	32467	3.830	ng	#	85
58)	Fluorene	15.220	166	140698	5.344	ng		99
59)	2,3,4,6-Tetrachlorophenol	14.850	232	32545	4.705	ng		100
60)	Diethylphthalate	15.008	149	141540	5.074	ng		99
61)	4-Chlorophenyl-phenyle...	15.214	204	69653	5.331	ng		96
62)	4-Nitroaniline	15.414	138	25247	3.706	ng		98
63)	Azobenzene	15.508	77	120875	5.041	ng		98
66)	n-Nitrosodiphenylamine	15.461	169	120923	5.111	ng		99
67)	4-Bromophenyl-phenylether	16.095	248	47013	5.010	ng		98
68)	Hexachlorobenzene	16.201	284	63030	5.124	ng		97
69)	Atrazine	16.389	200	40521	5.587	ng		99
70)	Pentachlorophenol	16.612	266	25934	3.663	ng		95
71)	Phenanthrene	16.959	178	238149	5.575	ng		96
72)	Anthracene	17.041	178	223571	5.360	ng		97
73)	Carbazole	17.376	167	225240	5.278	ng		98
74)	Di-n-butylphthalate	17.823	149	227063	4.833	ng		97
75)	Fluoranthene	18.963	202	294423	5.675	ng		96
77)	Benzidine	19.221	184	64981	4.654	ng		97
78)	Pyrene	19.333	202	323492	5.348	ng		95
80)	Butylbenzylphthalate	20.179	149	121771	4.592	ng		97
81)	Benzo(a)anthracene	21.054	228	351110	5.679	ng		95
82)	3,3'-Dichlorobenzidine	21.037	252	111192	4.591	ng		99
83)	Chrysene	21.113	228	348272	5.826	ng		93
84)	Bis(2-ethylhexyl)phtha...	20.884	149	151249	4.293	ng	#	96
85)	Di-n-octyl phthalate	21.736	149	271400	4.694	ng		99
87)	Indeno(1,2,3-cd)pyrene	25.666	276	493253	5.191	ng		99
88)	Benzo(b)fluoranthene	22.652	252	381899	5.162	ng		97
89)	Benzo(k)fluoranthene	22.693	252	399794	5.782	ng		95
90)	Benzo(a)pyrene	23.252	252	331871	5.129	ng		99
91)	Dibenzo(a,h)anthracene	25.666	278	400920	5.107	ng		98
92)	Benzo(g,h,i)perylene	26.419	276	412340	5.097	ng		99

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

ICAL Form

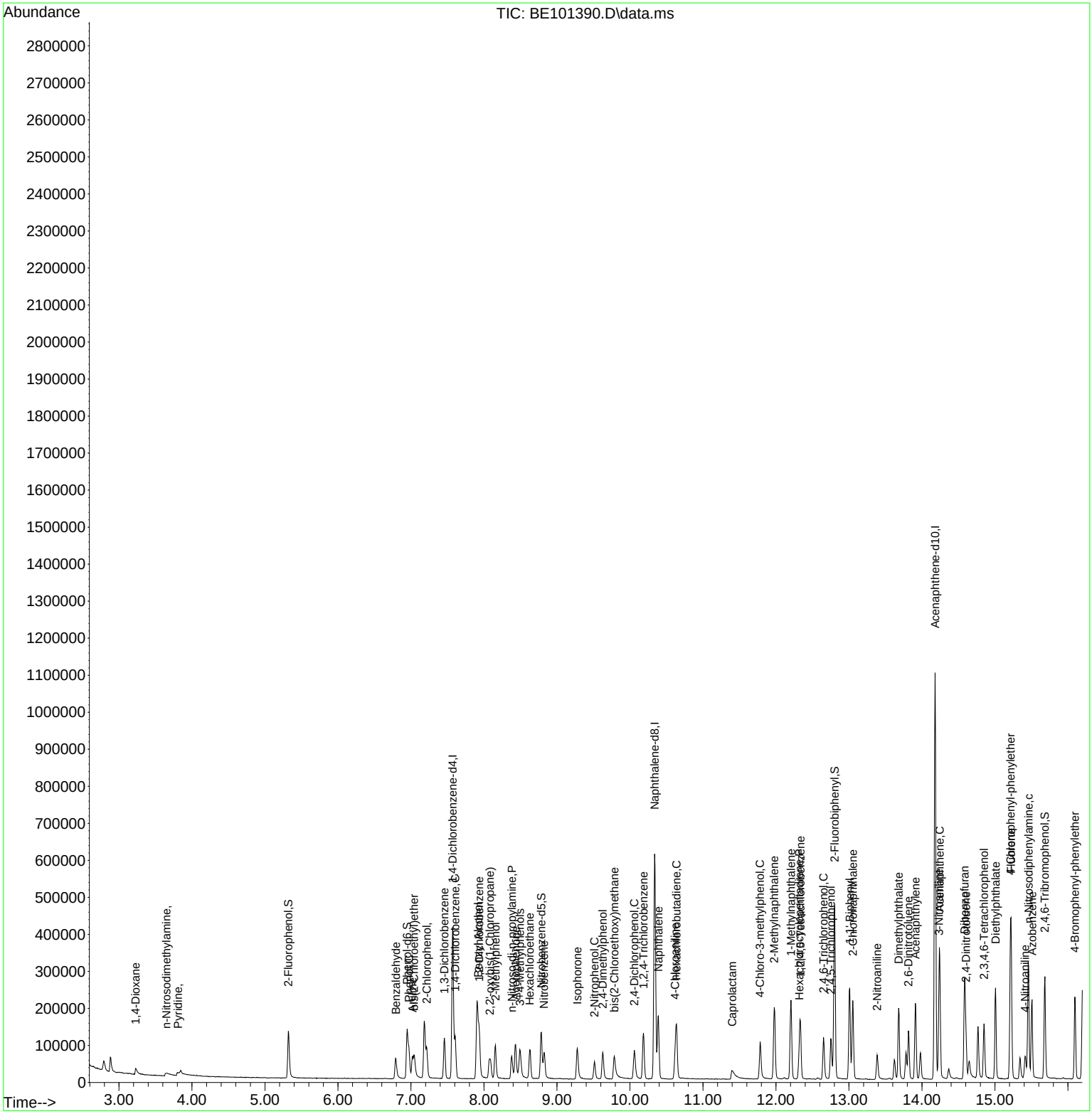
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101390.D
Acq On : 28 Oct 2024 12:23
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 29 01:06:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 00:58:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024



ICAL Form

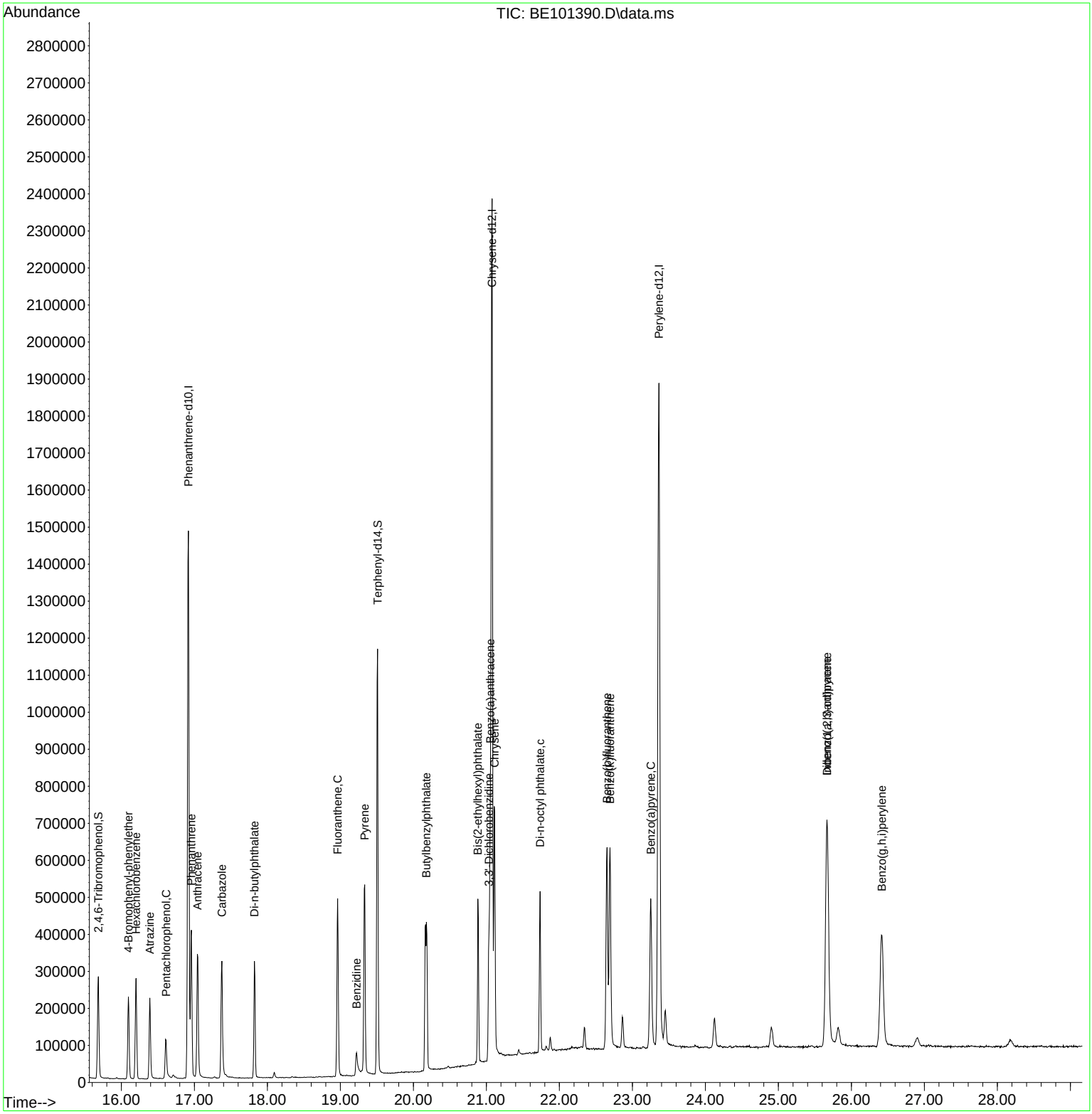
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101390.D
Acq On : 28 Oct 2024 12:23
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 29 01:06:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 00:58:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101391.D
Acq On : 28 Oct 2024 12:59
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024

Quant Time: Oct 29 01:10:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 00:58:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.570	152	123277	20.000	ng		0.00
21) Naphthalene-d8	10.337	136	600604	20.000	ng		0.00
39) Acenaphthene-d10	14.180	164	445637	20.000	ng		0.00
64) Phenanthrene-d10	16.918	188	1029949	20.000	ng		0.00
76) Chrysene-d12	21.077	240	1164738	20.000	ng		0.00
86) Perylene-d12	23.363	264	1469277	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.319	112	132247	18.802	ng		0.00
7) Phenol-d6	6.947	99	181772	18.638	ng		0.00
23) Nitrobenzene-d5	8.780	82	183858	19.227	ng		0.00
42) 2,4,6-Tribromophenol	15.684	330	151975	19.458	ng		0.00
45) 2-Fluorobiphenyl	12.799	172	568053	21.587	ng		0.00
79) Terphenyl-d14	19.509	244	1191096	23.536	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.222	88	28561	10.887	ng		98
3) Pyridine	3.739	79	69241m	9.353	ng		
4) n-Nitrosodimethylamine	3.610	42	27118m	9.581	ng		
6) Aniline	7.017	93	77784	10.405	ng		99
8) 2-Chlorophenol	7.217	128	80429	9.534	ng		99
9) Benzaldehyde	6.788	77	52324	11.114	ng		99
10) Phenol	6.970	94	89765	8.483	ng		99
11) bis(2-Chloroethyl)ether	7.041	93	86381m	10.109	ng		
12) 1,3-Dichlorobenzene	7.458	146	93874	10.320	ng		99
13) 1,4-Dichlorobenzene	7.605	146	94575	10.181	ng		99
14) 1,2-Dichlorobenzene	7.934	146	91740	10.089	ng		99
15) Benzyl Alcohol	7.916	79	49118	8.449	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.081	45	114453	10.477	ng		99
17) 2-Methylphenol	8.157	107	66460	9.279	ng		99
18) Hexachloroethane	8.627	117	29936	9.868	ng		99
19) n-Nitroso-di-n-propyla...	8.375	70	65315	10.092	ng		99
20) 3+4-Methylphenols	8.492	107	92464	9.353	ng		96
22) Acetophenone	8.427	105	134367	9.853	ng	#	100
24) Nitrobenzene	8.821	77	97575	9.587	ng		96
25) Isophorone	9.274	82	180427	9.669	ng		98
26) 2-Nitrophenol	9.509	139	42252	8.589	ng		98
27) 2,4-Dimethylphenol	9.626	122	58143	9.393	ng		98
28) bis(2-Chloroethoxy)met...	9.779	93	113421	10.023	ng		99
29) 2,4-Dichlorophenol	10.061	162	80383	9.387	ng		99
30) 1,2,4-Trichlorobenzene	10.184	180	93335	10.005	ng		98
31) Naphthalene	10.384	128	312450	10.209	ng		99
32) Benzoic acid	9.820	122	27408m	11.778	ng		
33) 4-Chloroaniline	10.619	127	106690	10.025	ng		98
34) Hexachlorobutadiene	10.637	225	55578	10.065	ng		99
35) Caprolactam	11.383	113	28073m	8.572	ng		
36) 4-Chloro-3-methylphenol	11.782	107	94327	9.674	ng		99
37) 2-Methylnaphthalene	11.976	142	225679	10.235	ng		99
38) 1-Methylnaphthalene	12.205	142	226894	10.310	ng		98
40) 1,2,4,5-Tetrachloroben...	12.335	216	109938	9.827	ng		99
41) Hexachlorocyclopentadiene	12.317	237	33340	9.024	ng		99
43) 2,4,6-Trichlorophenol	12.652	196	72470	9.397	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101391.D
Acq On : 28 Oct 2024 12:59
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024

Quant Time: Oct 29 01:10:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 00:58:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.752	196	82802	9.376	ng	94
46) 1,1'-Biphenyl	13.004	154	311640	10.207	ng	99
47) 2-Chloronaphthalene	13.051	162	243180	10.081	ng	99
48) 2-Nitroaniline	13.386	65	54215	8.352	ng	95
49) Acenaphthylene	13.909	152	357701	10.028	ng	99
50) Dimethylphthalate	13.680	163	327215	10.402	ng	100
51) 2,6-Dinitrotoluene	13.821	165	68910	9.489	ng	99
52) Acenaphthene	14.244	154	240629	10.331	ng	99
53) 3-Nitroaniline	14.227	138	65845	9.118	ng	95
54) 2,4-Dinitrophenol	14.362	184	27748	10.616	ng	95
55) Dibenzofuran	14.585	168	387518	10.438	ng	96
56) 4-Nitrophenol	14.644	139	48868	7.389	ng	98
57) 2,4-Dinitrotoluene	14.603	165	90704	9.072	ng	91
58) Fluorene	15.225	166	323084	10.403	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.849	232	79118	9.696	ng	98
60) Diethylphthalate	15.008	149	341401	10.376	ng	97
61) 4-Chlorophenyl-phenyle...	15.208	204	158792	10.303	ng	99
62) 4-Nitroaniline	15.413	138	70324	8.751	ng	100
63) Azobenzene	15.507	77	291559	10.309	ng	99
65) 4,6-Dinitro-2-methylph...	15.343	198	44302	7.320	ng	97
66) n-Nitrosodiphenylamine	15.460	169	281980	10.324	ng	99
67) 4-Bromophenyl-phenylether	16.101	248	106361	9.817	ng	96
68) Hexachlorobenzene	16.201	284	140149	9.869	ng	99
69) Atrazine	16.389	200	92105	10.999	ng	99
70) Pentachlorophenol	16.606	266	70444	8.618	ng	99
71) Phenanthrene	16.959	178	526649	10.680	ng	97
72) Anthracene	17.041	178	500622	10.397	ng	98
73) Carbazole	17.376	167	508330	10.318	ng	97
74) Di-n-butylphthalate	17.822	149	560519	10.334	ng	97
75) Fluoranthene	18.962	202	652809	10.899	ng	95
77) Benzidine	19.221	184	166063	11.234	ng	100
78) Pyrene	19.332	202	702205	10.963	ng	95
80) Butylbenzylphthalate	20.184	149	272190	9.694	ng	99
81) Benzo(a)anthracene	21.054	228	721011	11.014	ng	95
82) 3,3'-Dichlorobenzidine	21.036	252	255324	9.956	ng	97
83) Chrysene	21.113	228	713680	11.275	ng	93
84) Bis(2-ethylhexyl)phtha...	20.889	149	354141	9.494	ng	96
85) Di-n-octyl phthalate	21.735	149	615621	10.055	ng	100
87) Indeno(1,2,3-cd)pyrene	25.672	276	993383	10.102	ng	99
88) Benzo(b)fluoranthene	22.652	252	817483	10.676	ng	97
89) Benzo(k)fluoranthene	22.693	252	765639	10.700	ng	96
90) Benzo(a)pyrene	23.251	252	685242	10.233	ng	98
91) Dibenzo(a,h)anthracene	25.672	278	826199	10.169	ng	98
92) Benzo(g,h,i)perylene	26.424	276	830134	9.916	ng	99

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

ICAL Form

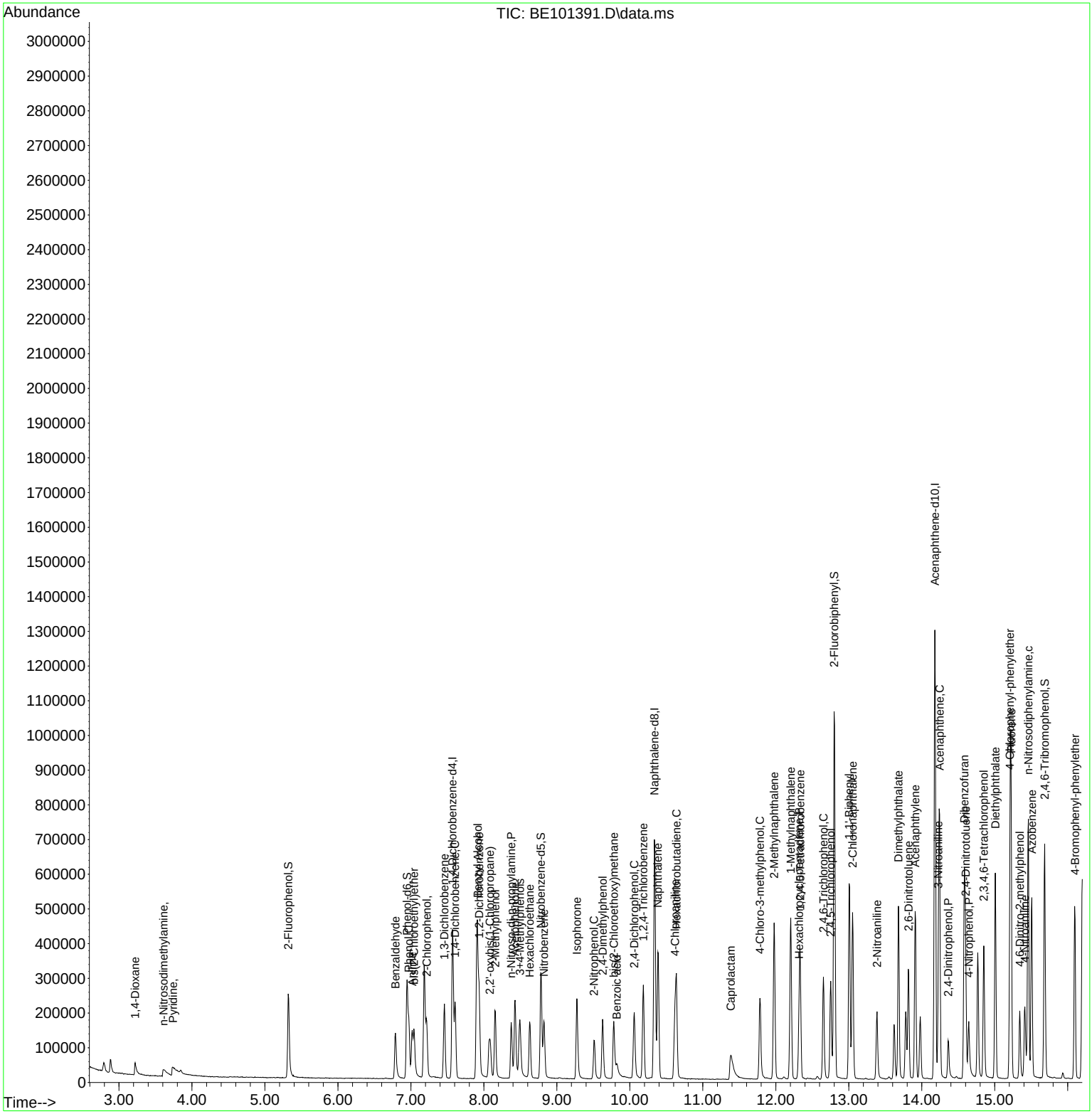
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101391.D
Acq On : 28 Oct 2024 12:59
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 29 01:10:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 00:58:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024



ICAL Form

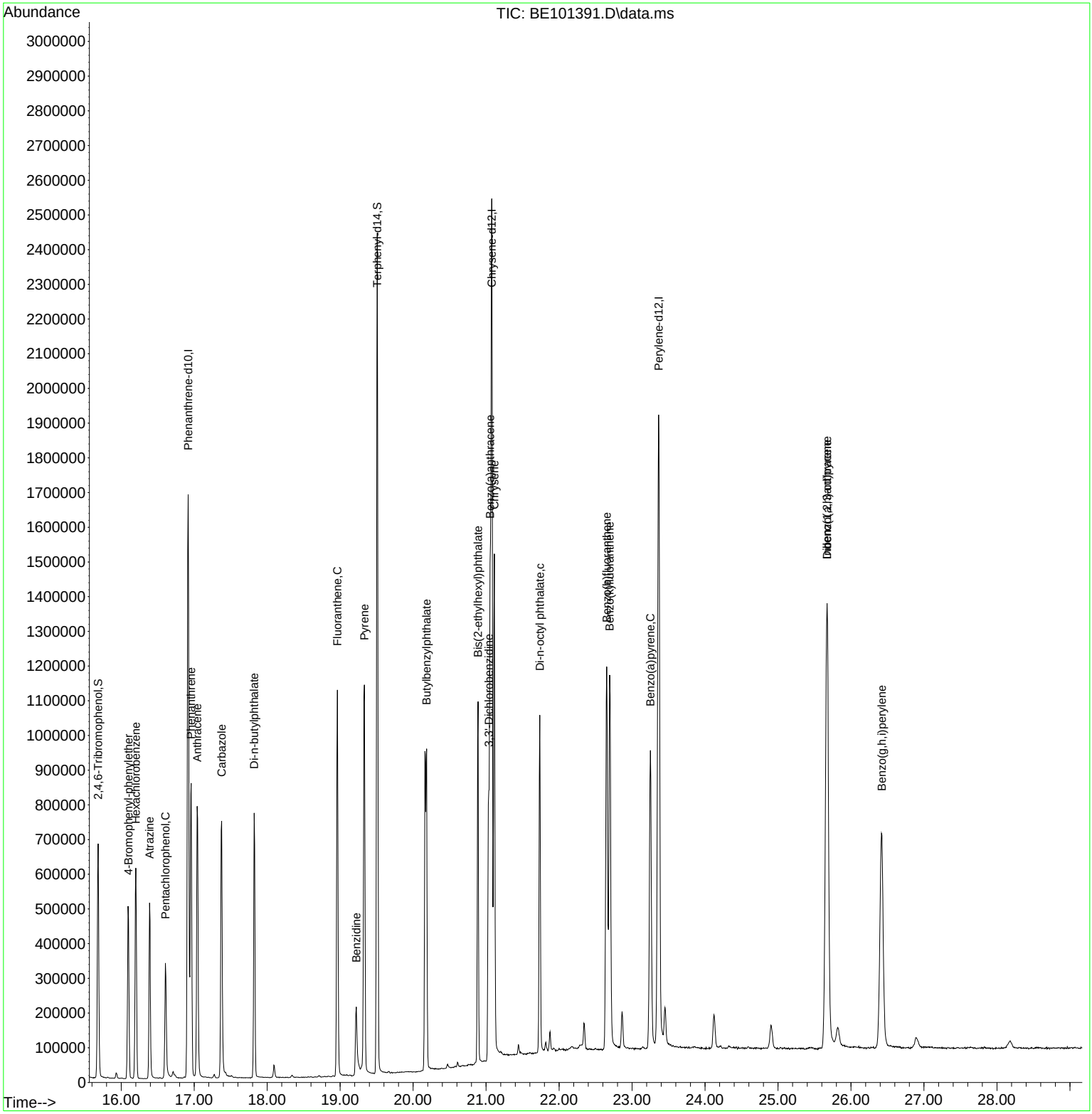
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101391.D
Acq On : 28 Oct 2024 12:59
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 29 01:10:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 00:58:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101392.D
Acq On : 28 Oct 2024 13:35
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024

Quant Time: Oct 29 01:12:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 00:58:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.570	152	145458	20.000	ng		0.00
21) Naphthalene-d8	10.337	136	690816	20.000	ng		0.00
39) Acenaphthene-d10	14.180	164	479983	20.000	ng		0.00
64) Phenanthrene-d10	16.918	188	1115787	20.000	ng		0.00
76) Chrysene-d12	21.077	240	1323325	20.000	ng		0.00
86) Perylene-d12	23.363	264	1671032	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.319	112	332292	40.039	ng		0.00
7) Phenol-d6	6.947	99	453347	39.395	ng		0.00
23) Nitrobenzene-d5	8.780	82	449694	40.886	ng		0.00
42) 2,4,6-Tribromophenol	15.684	330	343535	40.836	ng		0.00
45) 2-Fluorobiphenyl	12.805	172	1231577	43.454	ng		0.00
79) Terphenyl-d14	19.509	244	2568344	44.669	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.210	88	66062	21.342	ng		99
3) Pyridine	3.668	79	182576m	20.901	ng		
4) n-Nitrosodimethylamine	3.574	42	66090	19.790	ng		95
6) Aniline	7.011	93	222406	25.214	ng		99
8) 2-Chlorophenol	7.211	128	199440	20.036	ng		97
9) Benzaldehyde	6.782	77	125233	22.543	ng		98
10) Phenol	6.970	94	256916	20.576	ng		99
11) bis(2-Chloroethyl)ether	7.041	93	181038m	17.956	ng		
12) 1,3-Dichlorobenzene	7.458	146	219349	20.436	ng		99
13) 1,4-Dichlorobenzene	7.605	146	224941	20.522	ng		99
14) 1,2-Dichlorobenzene	7.934	146	218470	20.363	ng		99
15) Benzyl Alcohol	7.910	79	142372	20.755	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.081	45	264164	20.493	ng		99
17) 2-Methylphenol	8.151	107	166175	19.664	ng		99
18) Hexachloroethane	8.627	117	71637	20.014	ng		99
19) n-Nitroso-di-n-propyla...	8.375	70	157181	20.583	ng		97
20) 3+4-Methylphenols	8.492	107	229815	19.701	ng		99
22) Acetophenone	8.422	105	322339	20.550	ng	#	99
24) Nitrobenzene	8.821	77	241129	20.598	ng		99
25) Isophorone	9.274	82	431209	20.091	ng		99
26) 2-Nitrophenol	9.509	139	111783	19.757	ng		98
27) 2,4-Dimethylphenol	9.626	122	142884	20.069	ng		98
28) bis(2-Chloroethoxy)met...	9.779	93	268211	20.606	ng		99
29) 2,4-Dichlorophenol	10.055	162	196882	19.989	ng		98
30) 1,2,4-Trichlorobenzene	10.184	180	217666	20.286	ng		100
31) Naphthalene	10.384	128	718052	20.397	ng		100
32) Benzoic acid	9.855	122	100073	19.536	ng		98
33) 4-Chloroaniline	10.613	127	257549	21.039	ng		99
34) Hexachlorobutadiene	10.637	225	129221	20.346	ng		98
35) Caprolactam	11.377	113	75252	19.977	ng		99
36) 4-Chloro-3-methylphenol	11.782	107	221443	19.746	ng		99
37) 2-Methylnaphthalene	11.976	142	508710	20.058	ng		99
38) 1-Methylnaphthalene	12.205	142	507973	20.068	ng		100
40) 1,2,4,5-Tetrachloroben...	12.335	216	247246	20.520	ng		99
41) Hexachlorocyclopentadiene	12.317	237	85787	21.558	ng		98
43) 2,4,6-Trichlorophenol	12.652	196	168870	20.330	ng		98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101392.D
Acq On : 28 Oct 2024 13:35
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024

Quant Time: Oct 29 01:12:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 00:58:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.752	196	192619	20.249	ng		98
46) 1,1'-Biphenyl	13.010	154	686936	20.889	ng		99
47) 2-Chloronaphthalene	13.051	162	533907	20.550	ng		99
48) 2-Nitroaniline	13.386	65	141408	20.225	ng		98
49) Acenaphthylene	13.909	152	794820	20.687	ng		99
50) Dimethylphthalate	13.686	163	700286	20.669	ng		98
51) 2,6-Dinitrotoluene	13.821	165	158798	20.301	ng		100
52) Acenaphthene	14.244	154	514942	20.525	ng		99
53) 3-Nitroaniline	14.227	138	164280	21.121	ng		98
54) 2,4-Dinitrophenol	14.362	184	84815	19.805	ng		96
55) Dibenzofuran	14.585	168	826067	20.659	ng		99
56) 4-Nitrophenol	14.644	139	139762	19.622	ng		99
57) 2,4-Dinitrotoluene	14.603	165	217872	20.231	ng		95
58) Fluorene	15.225	166	694099	20.750	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.849	232	176736	20.109	ng		100
60) Diethylphthalate	15.008	149	748812	21.130	ng		98
61) 4-Chlorophenyl-phenyle...	15.214	204	338586	20.398	ng		98
62) 4-Nitroaniline	15.413	138	179670	20.759	ng		99
63) Azobenzene	15.507	77	638899	20.974	ng		99
65) 4,6-Dinitro-2-methylph...	15.343	198	120025	18.306	ng		95
66) n-Nitrosodiphenylamine	15.460	169	608131	20.552	ng		99
67) 4-Bromophenyl-phenylether	16.095	248	233542	19.898	ng		99
68) Hexachlorobenzene	16.201	284	305632	19.866	ng		99
69) Atrazine	16.395	200	178560	19.684	ng		99
70) Pentachlorophenol	16.606	266	177362	20.028	ng		98
71) Phenanthrene	16.959	178	1129442	21.142	ng		98
72) Anthracene	17.047	178	1112275	21.323	ng		97
73) Carbazole	17.376	167	1152191	21.587	ng		97
74) Di-n-butylphthalate	17.822	149	1361839	23.177	ng		98
75) Fluoranthene	18.962	202	1457689	22.465	ng		96
77) Benzidine	19.221	184	334865	19.938	ng		100
78) Pyrene	19.332	202	1566914	21.532	ng		96
80) Butylbenzylphthalate	20.184	149	682078	21.380	ng		99
81) Benzo(a)anthracene	21.054	228	1645151	22.118	ng		97
82) 3,3'-Dichlorobenzidine	21.036	252	621432	21.328	ng		100
83) Chrysene	21.113	228	1589960	22.109	ng		95
84) Bis(2-ethylhexyl)phtha...	20.883	149	933369	22.023	ng	#	97
85) Di-n-octyl phthalate	21.735	149	1600302	23.006	ng		99
87) Indeno(1,2,3-cd)pyrene	25.684	276	2323311	20.775	ng		99
88) Benzo(b)fluoranthene	22.652	252	1838727	21.114	ng		98
89) Benzo(k)fluoranthene	22.699	252	1816446	22.320	ng		97
90) Benzo(a)pyrene	23.251	252	1606453	21.093	ng		99
91) Dibenzo(a,h)anthracene	25.678	278	1953695	21.142	ng		98
92) Benzo(g,h,i)perylene	26.430	276	1930120	20.272	ng		99

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

ICAL Form

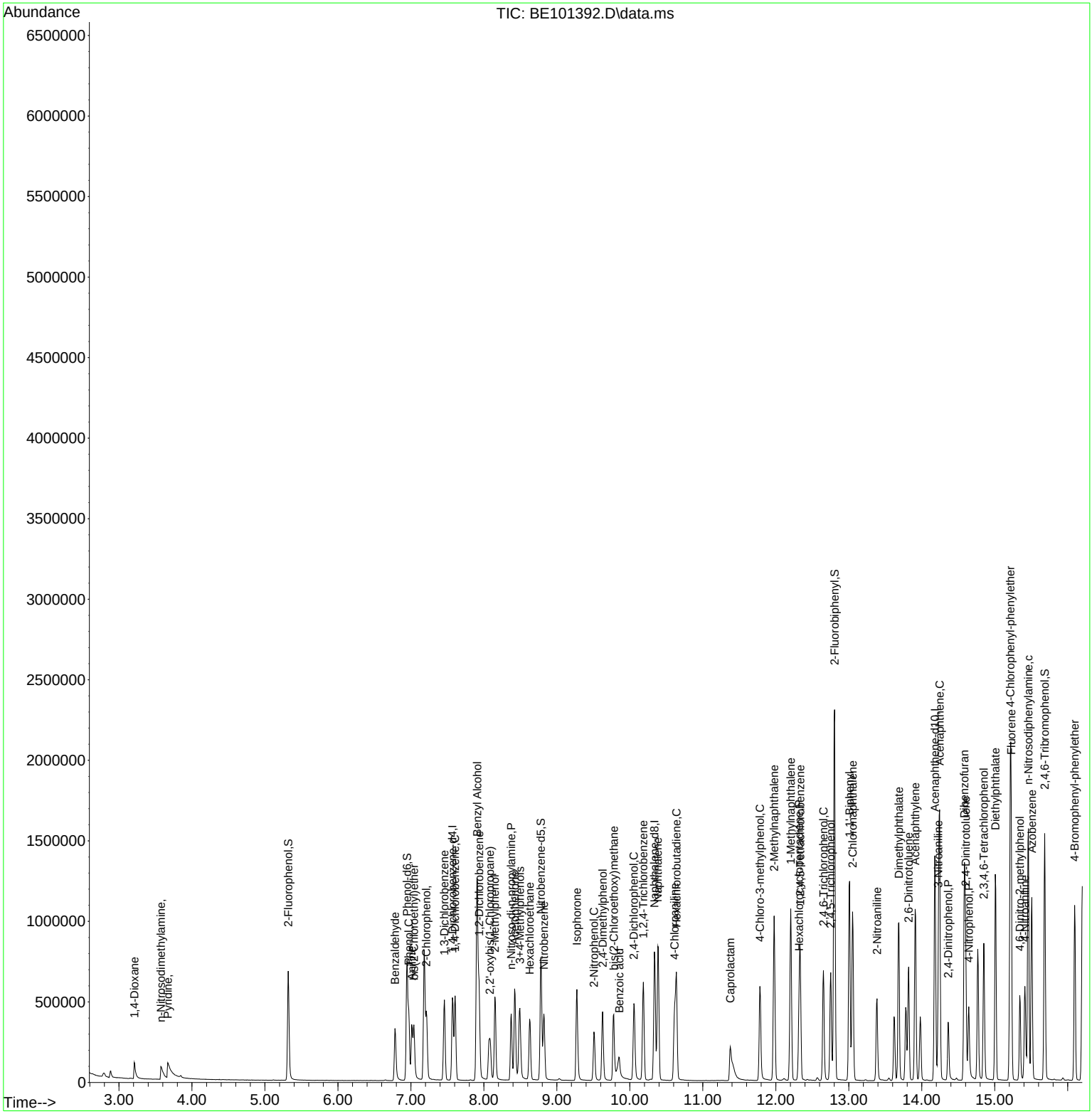
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101392.D
Acq On : 28 Oct 2024 13:35
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 29 01:12:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 00:58:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024



ICAL Form

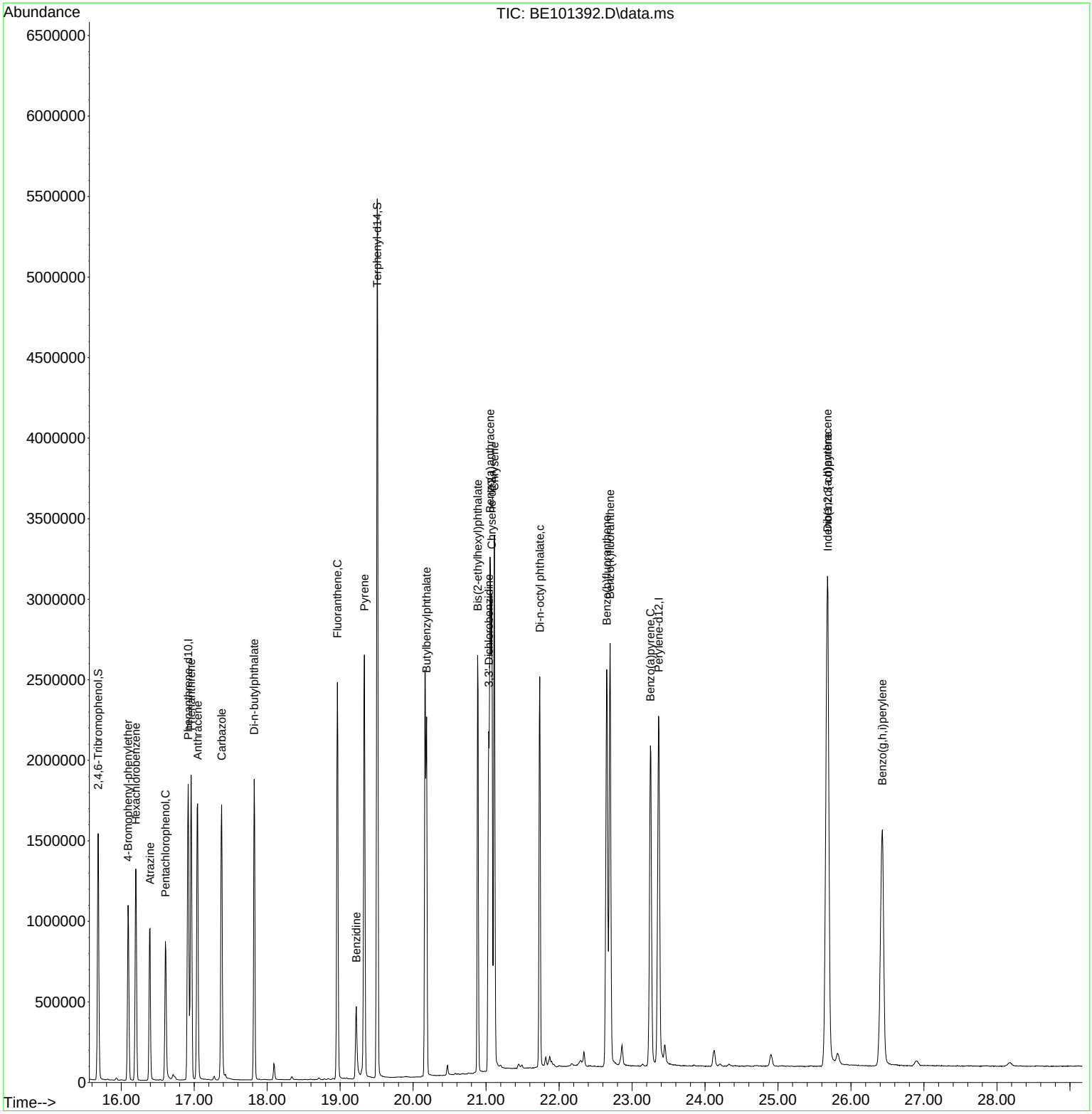
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101392.D
Acq On : 28 Oct 2024 13:35
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 29 01:12:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 00:58:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101393.D
Acq On : 28 Oct 2024 14:11
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024

Quant Time: Oct 29 01:15:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 00:58:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.570	152	140927	20.000	ng		0.00
21) Naphthalene-d8	10.338	136	679661	20.000	ng		0.00
39) Acenaphthene-d10	14.180	164	489939	20.000	ng		0.00
64) Phenanthrene-d10	16.918	188	1121583	20.000	ng		0.00
76) Chrysene-d12	21.078	240	1213932	20.000	ng		0.00
86) Perylene-d12	23.364	264	1508729	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.320	112	650130	80.855	ng		0.00
7) Phenol-d6	6.948	99	918108	82.347	ng		0.00
23) Nitrobenzene-d5	8.787	82	912254	84.304	ng		0.00
42) 2,4,6-Tribromophenol	15.690	330	716957	83.493	ng		0.00
45) 2-Fluorobiphenyl	12.806	172	2403552	83.082	ng		0.00
79) Terphenyl-d14	19.515	244	4083553	77.422	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.205	88	118661	39.567	ng		100
3) Pyridine	3.640	79	337051m	39.826	ng		
4) n-Nitrosodimethylamine	3.558	42	134976	41.716	ng		100
6) Aniline	7.012	93	379442	44.400	ng		100
8) 2-Chlorophenol	7.218	128	395579	41.018	ng		100
9) Benzaldehyde	6.783	77	227485	42.266	ng		100
10) Phenol	6.971	94	514695	42.547	ng		100
11) bis(2-Chloroethyl)ether	7.042	93	416211m	42.609	ng		
12) 1,3-Dichlorobenzene	7.459	146	419357	40.326	ng		100
13) 1,4-Dichlorobenzene	7.606	146	424205	39.946	ng		100
14) 1,2-Dichlorobenzene	7.935	146	420089	40.414	ng		100
15) Benzyl Alcohol	7.911	79	298943	44.982	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.082	45	505709	40.493	ng		100
17) 2-Methylphenol	8.152	107	342890	41.880	ng		100
18) Hexachloroethane	8.628	117	140004	40.371	ng		100
19) n-Nitroso-di-n-propyla...	8.375	70	324267	43.828	ng		100
20) 3+4-Methylphenols	8.493	107	474897	42.020	ng		100
22) Acetophenone	8.422	105	653526	42.348	ng	#	100
24) Nitrobenzene	8.822	77	482597	41.902	ng		100
25) Isophorone	9.274	82	904319	42.826	ng		100
26) 2-Nitrophenol	9.509	139	243096	43.670	ng		100
27) 2,4-Dimethylphenol	9.627	122	292733	41.791	ng		100
28) bis(2-Chloroethoxy)met...	9.774	93	532628	41.593	ng		100
29) 2,4-Dichlorophenol	10.062	162	404330	41.724	ng		100
30) 1,2,4-Trichlorobenzene	10.185	180	426450	40.396	ng		100
31) Naphthalene	10.391	128	1420283	41.007	ng		100
32) Benzoic acid	9.891	122	266609	38.880	ng		100
33) 4-Chloroaniline	10.614	127	540332	44.864	ng		100
34) Hexachlorobutadiene	10.637	225	254804	40.777	ng		100
35) Caprolactam	11.395	113	161584	43.600	ng		100
36) 4-Chloro-3-methylphenol	11.789	107	463319	41.991	ng		100
37) 2-Methylnaphthalene	11.977	142	1027397	41.174	ng		100
38) 1-Methylnaphthalene	12.206	142	1021245	41.008	ng		100
40) 1,2,4,5-Tetrachloroben...	12.335	216	501796	40.799	ng		100
41) Hexachlorocyclopentadiene	12.318	237	173373	42.682	ng		100
43) 2,4,6-Trichlorophenol	12.653	196	361676	42.656	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101393.D
Acq On : 28 Oct 2024 14:11
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 29 01:15:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 00:58:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.753	196	406209	41.835	ng	100
46) 1,1'-Biphenyl	13.011	154	1379396	41.094	ng	100
47) 2-Chloronaphthalene	13.058	162	1076232	40.583	ng	100
48) 2-Nitroaniline	13.387	65	311763	43.683	ng	100
49) Acenaphthylene	13.916	152	1642781	41.889	ng	100
50) Dimethylphthalate	13.687	163	1420279	41.068	ng	100
51) 2,6-Dinitrotoluene	13.822	165	338334	42.374	ng	100
52) Acenaphthene	14.245	154	1053741	41.148	ng	100
53) 3-Nitroaniline	14.233	138	349479	44.018	ng	100
54) 2,4-Dinitrophenol	14.368	184	203414	38.955	ng	100
55) Dibenzofuran	14.586	168	1660539	40.683	ng	100
56) 4-Nitrophenol	14.650	139	305078	41.960	ng	100
57) 2,4-Dinitrotoluene	14.609	165	471064	42.854	ng	100
58) Fluorene	15.226	166	1424112	41.708	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.856	232	373847	41.672	ng	100
60) Diethylphthalate	15.015	149	1504066	41.579	ng	100
61) 4-Chlorophenyl-phenyle...	15.214	204	692996	40.900	ng	100
62) 4-Nitroaniline	15.420	138	383097	43.363	ng	100
63) Azobenzene	15.508	77	1292104	41.556	ng	100
65) 4,6-Dinitro-2-methylph...	15.350	198	276529	41.958	ng	100
66) n-Nitrosodiphenylamine	15.461	169	1239699	41.680	ng	100
67) 4-Bromophenyl-phenylether	16.096	248	481170	40.783	ng	100
68) Hexachlorobenzene	16.202	284	634376	41.021	ng	100
69) Atrazine	16.395	200	412016	45.184	ng	100
70) Pentachlorophenol	16.613	266	387503	43.532	ng	100
71) Phenanthrene	16.959	178	2223827	41.412	ng	100
72) Anthracene	17.048	178	2195533	41.871	ng	100
73) Carbazole	17.377	167	2231136	41.586	ng	100
74) Di-n-butylphthalate	17.823	149	2547547	43.131	ng	100
75) Fluoranthene	18.963	202	2689073	41.229	ng	100
77) Benzidine	19.222	184	841414	54.613	ng	100
78) Pyrene	19.333	202	2851171	42.710	ng	100
80) Butylbenzylphthalate	20.185	149	1239396	42.350	ng	100
81) Benzo(a)anthracene	21.061	228	2850546	41.778	ng	100
82) 3,3'-Dichlorobenzidine	21.037	252	1167475	43.680	ng	100
83) Chrysene	21.113	228	2694174	40.839	ng	100
84) Bis(2-ethylhexyl)phtha...	20.890	149	1695435	43.609	ng	100
85) Di-n-octyl phthalate	21.736	149	2761437	43.276	ng	100
87) Indeno(1,2,3-cd)pyrene	25.696	276	4204842	41.644	ng	100
88) Benzo(b)fluoranthene	22.659	252	3350839	42.618	ng	100
89) Benzo(k)fluoranthene	22.706	252	3062296	41.677	ng	100
90) Benzo(a)pyrene	23.258	252	2913742	42.374	ng	100
91) Dibenzo(a,h)anthracene	25.690	278	3529480	42.304	ng	100
92) Benzo(g,h,i)perylene	26.442	276	3556297	41.369	ng	100

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

ICAL Form

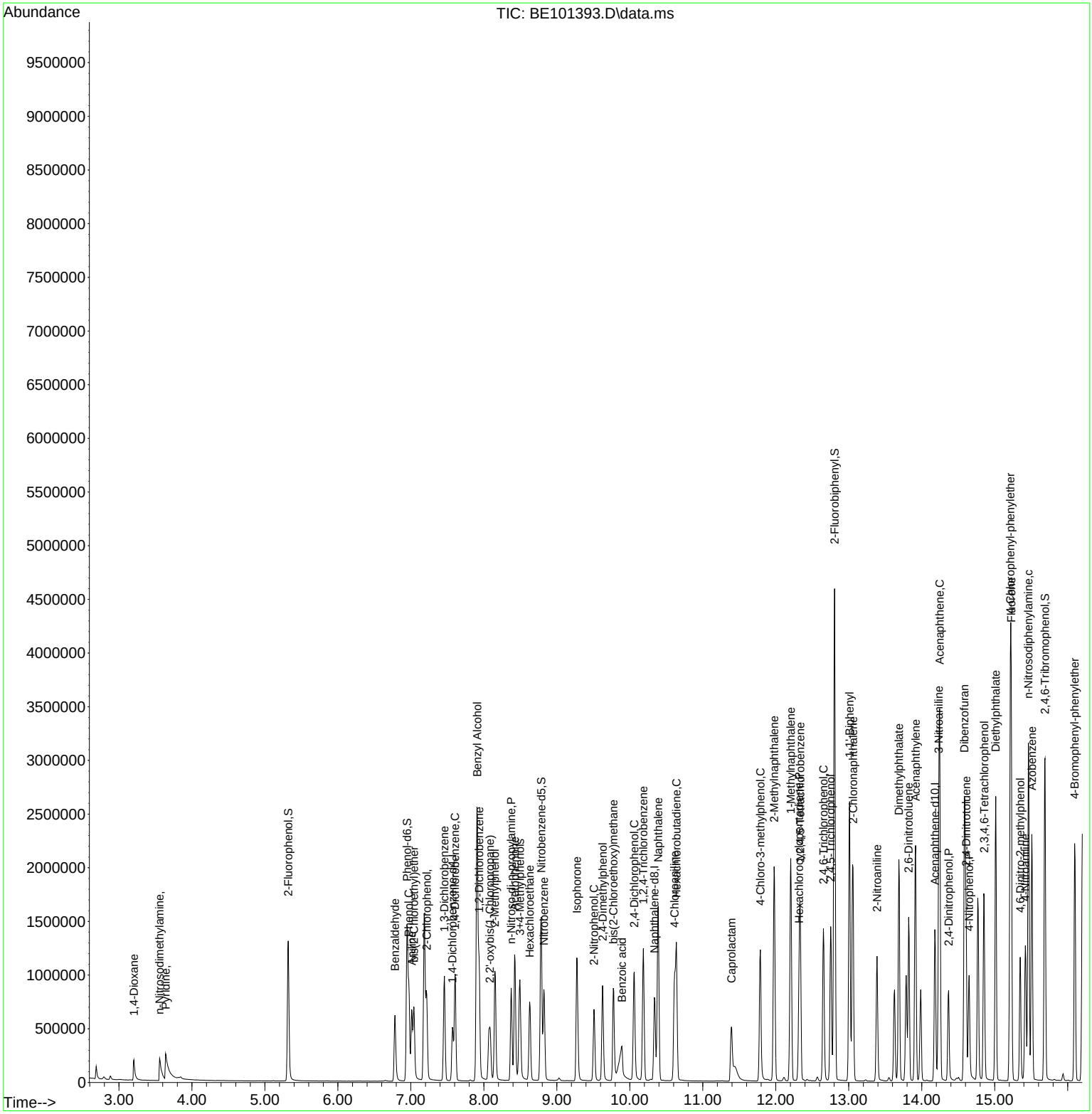
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101393.D
Acq On : 28 Oct 2024 14:11
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 29 01:15:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 00:58:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024



ICAL Form

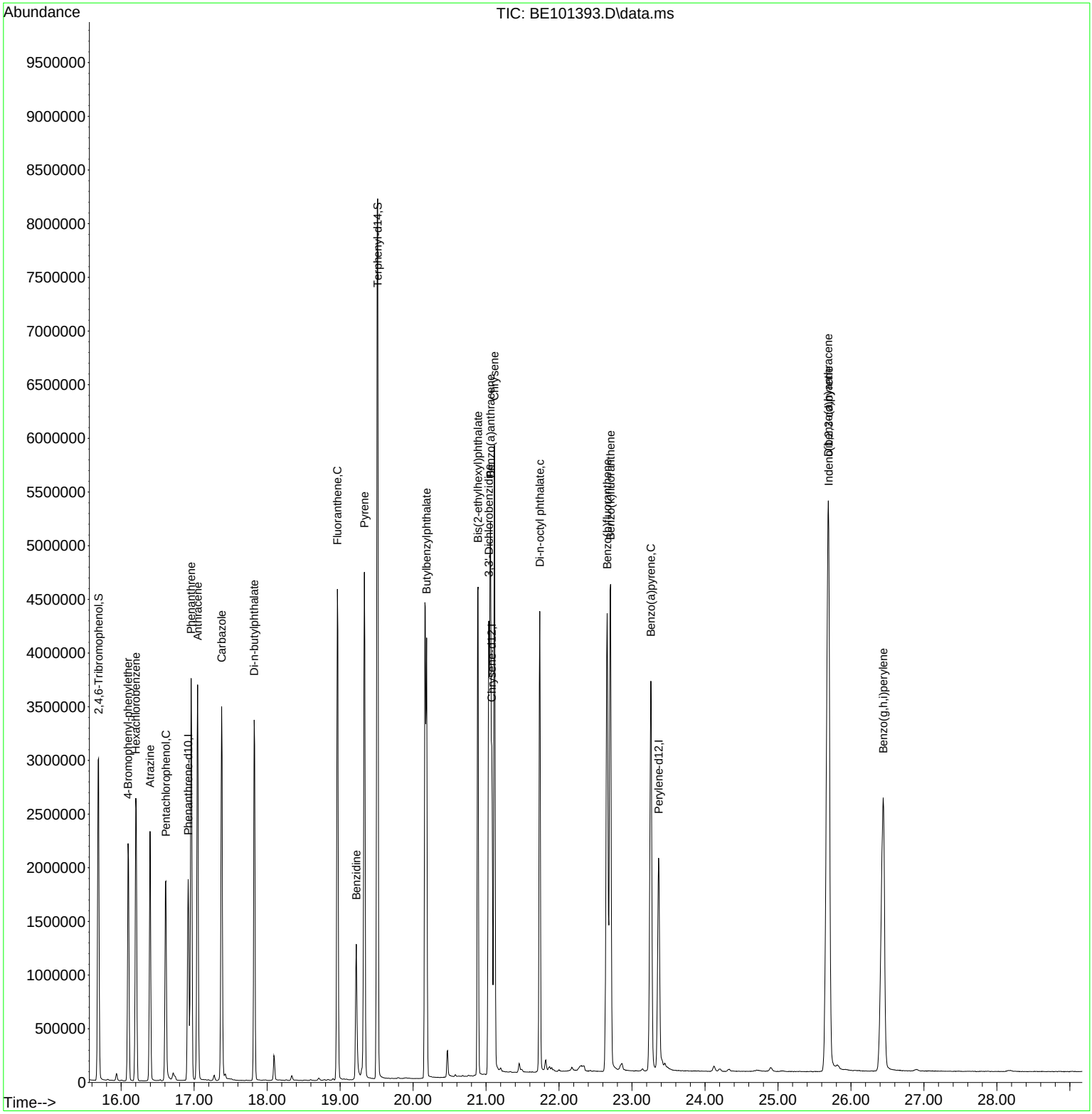
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101393.D
Acq On : 28 Oct 2024 14:11
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 29 01:15:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 00:58:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101394.D
Acq On : 28 Oct 2024 14:49
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024

Quant Time: Oct 29 01:17:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 00:58:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.570	152	165364	20.000	ng	0.00
21) Naphthalene-d8	10.343	136	801441	20.000	ng	0.00
39) Acenaphthene-d10	14.186	164	574825	20.000	ng	0.00
64) Phenanthrene-d10	16.918	188	1335462	20.000	ng	0.00
76) Chrysene-d12	21.083	240	1465052	20.000	ng	0.00
86) Perylene-d12	23.369	264	1864446	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.320	112	945317	100.193	ng	0.00
7) Phenol-d6	6.953	99	1318040	100.748	ng	0.00
23) Nitrobenzene-d5	8.786	82	1293125	101.343	ng	0.00
42) 2,4,6-Tribromophenol	15.690	330	1019729	101.216	ng	0.00
45) 2-Fluorobiphenyl	12.805	172	3200754	94.300	ng	0.00
79) Terphenyl-d14	19.515	244	5028542	78.997	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.198	88	165210	46.948	ng	99
3) Pyridine	3.633	79	517567m	52.118	ng	
4) n-Nitrosodimethylamine	3.551	42	195679	51.540	ng	97
6) Aniline	7.012	93	537724	53.623	ng	99
8) 2-Chlorophenol	7.217	128	565957	50.013	ng	99
9) Benzaldehyde	6.782	77	280236	44.373	ng	97
10) Phenol	6.976	94	743054	52.347	ng	99
11) bis(2-Chloroethyl)ether	7.041	93	546510	47.680	ng	100
12) 1,3-Dichlorobenzene	7.458	146	588809	48.254	ng	99
13) 1,4-Dichlorobenzene	7.605	146	598105	47.999	ng	99
14) 1,2-Dichlorobenzene	7.934	146	592334	48.563	ng	99
15) Benzyl Alcohol	7.911	79	418834	53.709	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.081	45	707405	48.273	ng	99
17) 2-Methylphenol	8.157	107	488237	50.820	ng	99
18) Hexachloroethane	8.627	117	204778	50.323	ng	98
19) n-Nitroso-di-n-propyla...	8.375	70	460800	53.079	ng	99
20) 3+4-Methylphenols	8.492	107	680525	51.316	ng	98
22) Acetophenone	8.428	105	899066	49.406	ng	99
24) Nitrobenzene	8.827	77	678889	49.988	ng	99
25) Isophorone	9.280	82	1279882	51.402	ng	99
26) 2-Nitrophenol	9.509	139	349958	53.315	ng	98
27) 2,4-Dimethylphenol	9.632	122	412678	49.962	ng	99
28) bis(2-Chloroethoxy)met...	9.779	93	749624	49.643	ng	98
29) 2,4-Dichlorophenol	10.061	162	574208	50.250	ng	98
30) 1,2,4-Trichlorobenzene	10.184	180	608746	48.902	ng	98
31) Naphthalene	10.390	128	1967240	48.168	ng	100
32) Benzoic acid	9.914	122	407599	47.974	ng	98
33) 4-Chloroaniline	10.619	127	729487	51.367	ng	99
34) Hexachlorobutadiene	10.637	225	358862	48.703	ng	99
35) Caprolactam	11.406	113	236422m	54.100	ng	
36) 4-Chloro-3-methylphenol	11.788	107	661811	50.866	ng	99
37) 2-Methylnaphthalene	11.982	142	1423968	48.395	ng	100
38) 1-Methylnaphthalene	12.206	142	1420443	48.370	ng	99
40) 1,2,4,5-Tetrachloroben...	12.335	216	705872	48.917	ng	100
41) Hexachlorocyclopentadiene	12.317	237	248185	52.077	ng	99
43) 2,4,6-Trichlorophenol	12.658	196	507003	50.966	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101394.D
Acq On : 28 Oct 2024 14:49
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024

Quant Time: Oct 29 01:17:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 00:58:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.758	196	577861	50.725	ng	99
46) 1,1'-Biphenyl	13.011	154	1905878	48.394	ng	99
47) 2-Chloronaphthalene	13.057	162	1515183	48.698	ng	99
48) 2-Nitroaniline	13.392	65	456762	54.549	ng	97
49) Acenaphthylene	13.915	152	2279098	49.532	ng	99
50) Dimethylphthalate	13.692	163	1979816	48.794	ng	100
51) 2,6-Dinitrotoluene	13.827	165	478307	51.059	ng	98
52) Acenaphthene	14.244	154	1460597	48.613	ng	98
53) 3-Nitroaniline	14.238	138	499231	53.595	ng	100
54) 2,4-Dinitrophenol	14.368	184	315420	49.677	ng	98
55) Dibenzofuran	14.591	168	2305303	48.140	ng	99
56) 4-Nitrophenol	14.656	139	456395	53.503	ng	98
57) 2,4-Dinitrotoluene	14.609	165	689305	53.448	ng	97
58) Fluorene	15.226	166	1946144	48.580	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.855	232	527624	50.129	ng	99
60) Diethylphthalate	15.014	149	2092467	49.303	ng	99
61) 4-Chlorophenyl-phenyle...	15.214	204	970975	48.844	ng	100
62) 4-Nitroaniline	15.431	138	564289	54.440	ng	97
63) Azobenzene	15.513	77	1794055	49.178	ng	98
65) 4,6-Dinitro-2-methylph...	15.355	198	416174	53.034	ng	97
66) n-Nitrosodiphenylamine	15.466	169	1722264	48.631	ng	99
67) 4-Bromophenyl-phenylether	16.101	248	693890	49.394	ng	98
68) Hexachlorobenzene	16.207	284	904857	49.141	ng	98
69) Atrazine	16.395	200	363142	33.446	ng	100
70) Pentachlorophenol	16.612	266	573833	54.140	ng	100
71) Phenanthrene	16.965	178	3044921	47.621	ng	98
72) Anthracene	17.047	178	3034208	48.599	ng	97
73) Carbazole	17.382	167	3134249	49.063	ng	98
74) Di-n-butylphthalate	17.828	149	3532643	50.231	ng	98
75) Fluoranthene	18.968	202	3680604	47.394	ng	97
77) Benzidine	19.221	184	834538	44.882	ng	100
78) Pyrene	19.338	202	3852302	47.815	ng	95
80) Butylbenzylphthalate	20.184	149	1808983	51.218	ng	96
81) Benzo(a)anthracene	21.060	228	3835477	46.578	ng	94
82) 3,3'-Dichlorobenzidine	21.036	252	1647556	51.076	ng	99
83) Chrysene	21.119	228	3680796	46.231	ng	95
84) Bis(2-ethylhexyl)phtha...	20.890	149	2461511	52.462	ng	95
85) Di-n-octyl phthalate	21.736	149	3857877	50.096	ng	99
87) Indeno(1,2,3-cd)pyrene	25.713	276	6129290	49.122	ng	99
88) Benzo(b)fluoranthene	22.664	252	4768116	49.073	ng	97
89) Benzo(k)fluoranthene	22.711	252	4178802	46.021	ng	97
90) Benzo(a)pyrene	23.263	252	4190180	49.311	ng	98
91) Dibenzo(a,h)anthracene	25.701	278	5075435	49.227	ng	98
92) Benzo(g,h,i)perylene	26.459	276	5244934	49.372	ng	99

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

ICAL Form

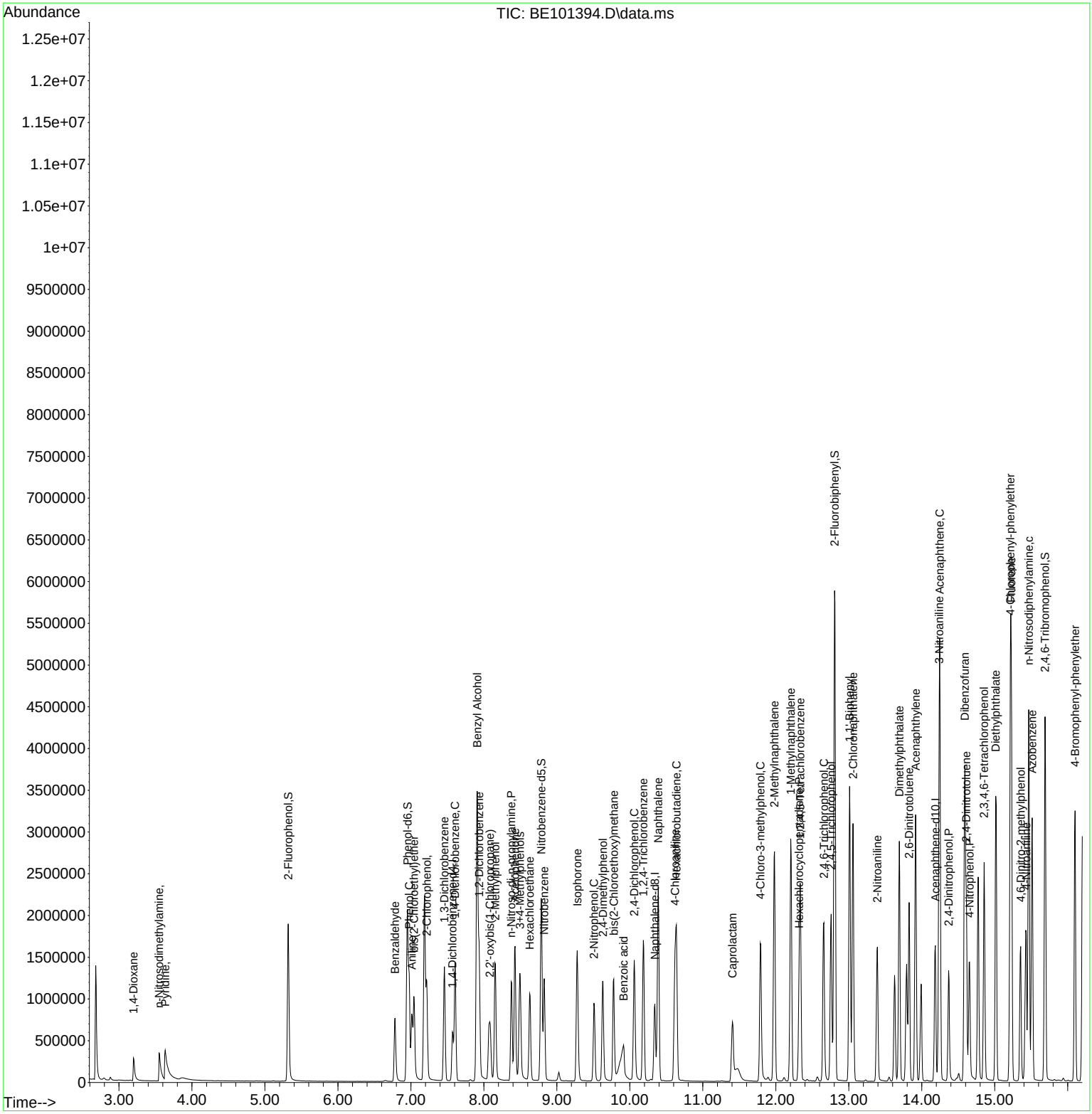
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101394.D
Acq On : 28 Oct 2024 14:49
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 29 01:17:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 00:58:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024



ICAL Form

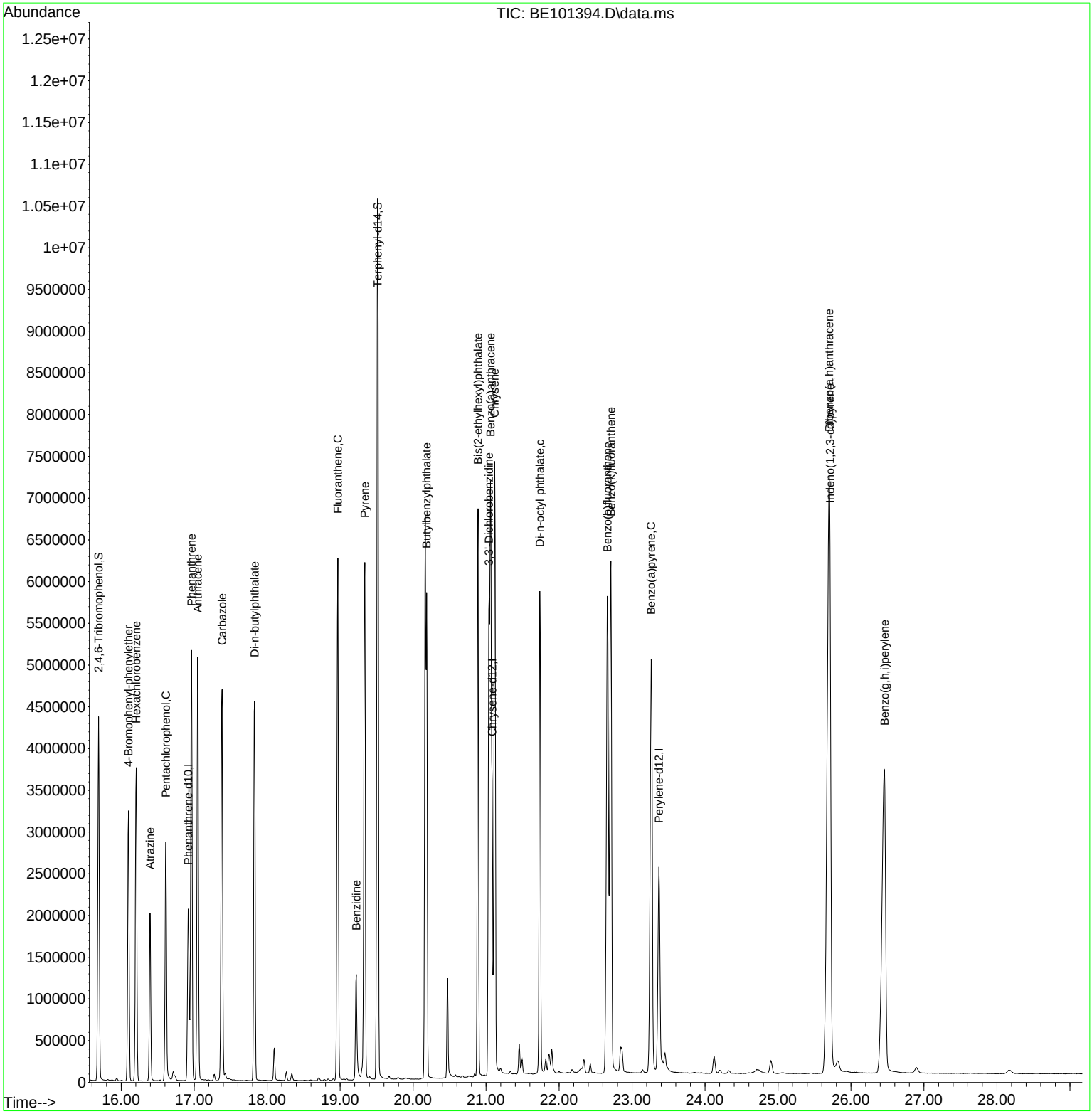
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101394.D
Acq On : 28 Oct 2024 14:49
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 29 01:17:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 00:58:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101395.D
Acq On : 28 Oct 2024 15:25
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024

Quant Time: Oct 29 01:19:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 00:58:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.571	152	163155	20.000	ng		0.00
21) Naphthalene-d8	10.344	136	809663	20.000	ng		0.00
39) Acenaphthene-d10	14.186	164	591488	20.000	ng		0.00
64) Phenanthrene-d10	16.918	188	1356495	20.000	ng		0.00
76) Chrysene-d12	21.084	240	1430165	20.000	ng		0.00
86) Perylene-d12	23.370	264	1844714	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.320	112	1161751	124.799	ng		0.00
7) Phenol-d6	6.954	99	1690863	130.995	ng		0.00
23) Nitrobenzene-d5	8.787	82	1608437	124.774	ng		0.00
42) 2,4,6-Tribromophenol	15.696	330	1274537	122.943	ng		0.00
45) 2-Fluorobiphenyl	12.811	172	3805211	108.950	ng		0.00
79) Terphenyl-d14	19.515	244	5639764	90.760	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.199	88	191626	55.192	ng		97
3) Pyridine	3.628	79	629804m	64.279	ng		
4) n-Nitrosodimethylamine	3.552	42	238643	63.708	ng		100
6) Aniline	7.012	93	599193	60.562	ng		97
8) 2-Chlorophenol	7.218	128	697895	62.507	ng		99
9) Benzaldehyde	6.777	77	291474	46.777	ng		98
10) Phenol	6.977	94	936909	66.897	ng		99
11) bis(2-Chloroethyl)ether	7.042	93	689201	60.943	ng		100
12) 1,3-Dichlorobenzene	7.459	146	706102	58.650	ng		99
13) 1,4-Dichlorobenzene	7.606	146	726410	59.085	ng		99
14) 1,2-Dichlorobenzene	7.935	146	720379	59.861	ng		99
15) Benzyl Alcohol	7.911	79	518109	67.338	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.076	45	854650	59.110	ng		98
17) 2-Methylphenol	8.158	107	618187	65.217	ng		100
18) Hexachloroethane	8.628	117	242901	60.500	ng		100
19) n-Nitroso-di-n-propyla...	8.381	70	580217	67.739	ng		97
20) 3+4-Methylphenols	8.499	107	870273	66.513	ng		100
22) Acetophenone	8.428	105	1121751	61.017	ng	#	99
24) Nitrobenzene	8.828	77	850351	61.978	ng		99
25) Isophorone	9.280	82	1591646	63.273	ng		99
26) 2-Nitrophenol	9.509	139	443163	66.828	ng		100
27) 2,4-Dimethylphenol	9.633	122	521039	62.440	ng		100
28) bis(2-Chloroethoxy)met...	9.780	93	934621	61.266	ng		98
29) 2,4-Dichlorophenol	10.062	162	739800	64.084	ng		98
30) 1,2,4-Trichlorobenzene	10.185	180	745599	59.288	ng		99
31) Naphthalene	10.391	128	2427438	58.833	ng		99
32) Benzoic acid	9.932	122	540565	60.410	ng		99
33) 4-Chloroaniline	10.620	127	886113	61.762	ng		99
34) Hexachlorobutadiene	10.638	225	436703	58.666	ng		98
35) Caprolactam	11.419	113	305109m	69.109	ng		
36) 4-Chloro-3-methylphenol	11.795	107	842462	64.094	ng		100
37) 2-Methylnaphthalene	11.977	142	1788431	60.165	ng		99
38) 1-Methylnaphthalene	12.206	142	1780103	60.002	ng		98
40) 1,2,4,5-Tetrachloroben...	12.336	216	886111	59.677	ng		100
41) Hexachlorocyclopentadiene	12.318	237	297498	60.666	ng		98
43) 2,4,6-Trichlorophenol	12.659	196	639597	62.483	ng		98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101395.D
Acq On : 28 Oct 2024 15:25
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024

Quant Time: Oct 29 01:19:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 00:58:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.759	196	742308	63.325	ng		98
46) 1,1'-Biphenyl	13.011	154	2353812	58.085	ng		98
47) 2-Chloronaphthalene	13.058	162	1881309	58.761	ng		98
48) 2-Nitroaniline	13.393	65	584466	67.834	ng		98
49) Acenaphthylene	13.916	152	2833567	59.847	ng		97
50) Dimethylphthalate	13.699	163	2454675	58.793	ng		99
51) 2,6-Dinitrotoluene	13.834	165	613251	63.620	ng		97
52) Acenaphthene	14.251	154	1804815	58.378	ng		99
53) 3-Nitroaniline	14.239	138	612603	63.913	ng		99
54) 2,4-Dinitrophenol	14.374	184	407974	61.001	ng		100
55) Dibenzofuran	14.592	168	2853610	57.911	ng		98
56) 4-Nitrophenol	14.656	139	574109	65.406	ng		99
57) 2,4-Dinitrotoluene	14.615	165	878036	66.163	ng		98
58) Fluorene	15.232	166	2380604	57.751	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.856	232	670164	61.877	ng		100
60) Diethylphthalate	15.021	149	2532782	57.997	ng		97
61) 4-Chlorophenyl-phenyle...	15.215	204	1193362	58.339	ng		99
62) 4-Nitroaniline	15.432	138	699974	65.628	ng		99
63) Azobenzene	15.514	77	2208829	58.842	ng		97
65) 4,6-Dinitro-2-methylph...	15.356	198	532042	66.748	ng		100
66) n-Nitrosodiphenylamine	15.467	169	2117735	58.871	ng		98
67) 4-Bromophenyl-phenylether	16.102	248	872994	61.180	ng		98
68) Hexachlorobenzene	16.207	284	1133251	60.590	ng		98
70) Pentachlorophenol	16.613	266	721263	66.994	ng		99
71) Phenanthrene	16.965	178	3645888	56.136	ng		95
72) Anthracene	17.054	178	3634148	57.305	ng		96
73) Carbazole	17.383	167	3721077	57.345	ng		96
74) Di-n-butylphthalate	17.829	149	4008628	56.115	ng		96
75) Fluoranthene	18.969	202	4242490	53.782	ng		94
77) Benzidine	19.222	184	848095	46.724	ng		100
78) Pyrene	19.339	202	4360488	55.443	ng	#	91
80) Butylbenzylphthalate	20.185	149	2101110	60.940	ng		96
81) Benzo(a)anthracene	21.061	228	4335279	53.932	ng		90
82) 3,3'-Dichlorobenzidine	21.037	252	1903536	60.451	ng		99
83) Chrysene	21.119	228	4127052	53.101	ng		92
84) Bis(2-ethylhexyl)phtha...	20.890	149	2827835	61.739	ng		93
85) Di-n-octyl phthalate	21.736	149	4427600	58.897	ng		98
87) Indeno(1,2,3-cd)pyrene	25.720	276	7274934	58.927	ng		98
88) Benzo(b)fluoranthene	22.665	252	5533490	57.560	ng		96
89) Benzo(k)fluoranthene	22.712	252	4844203m	53.920	ng		
90) Benzo(a)pyrene	23.270	252	4927882	58.613	ng		96
91) Dibenzo(a,h)anthracene	25.708	278	5992823	58.746	ng		97
92) Benzo(g,h,i)perylene	26.466	276	6373220	60.635	ng		98

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

ICAL Form

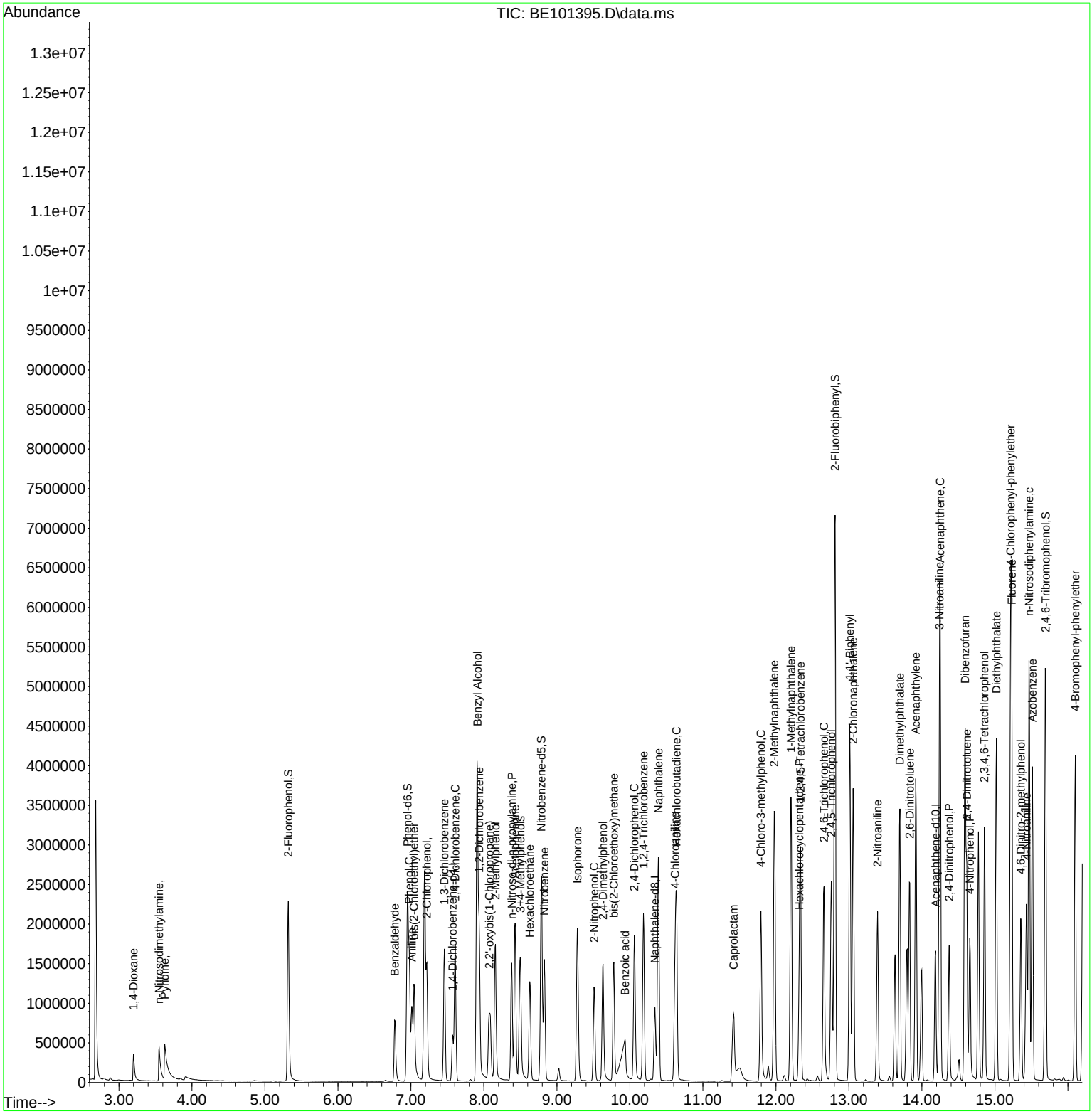
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101395.D
Acq On : 28 Oct 2024 15:25
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 29 01:19:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 00:58:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024



ICAL Form

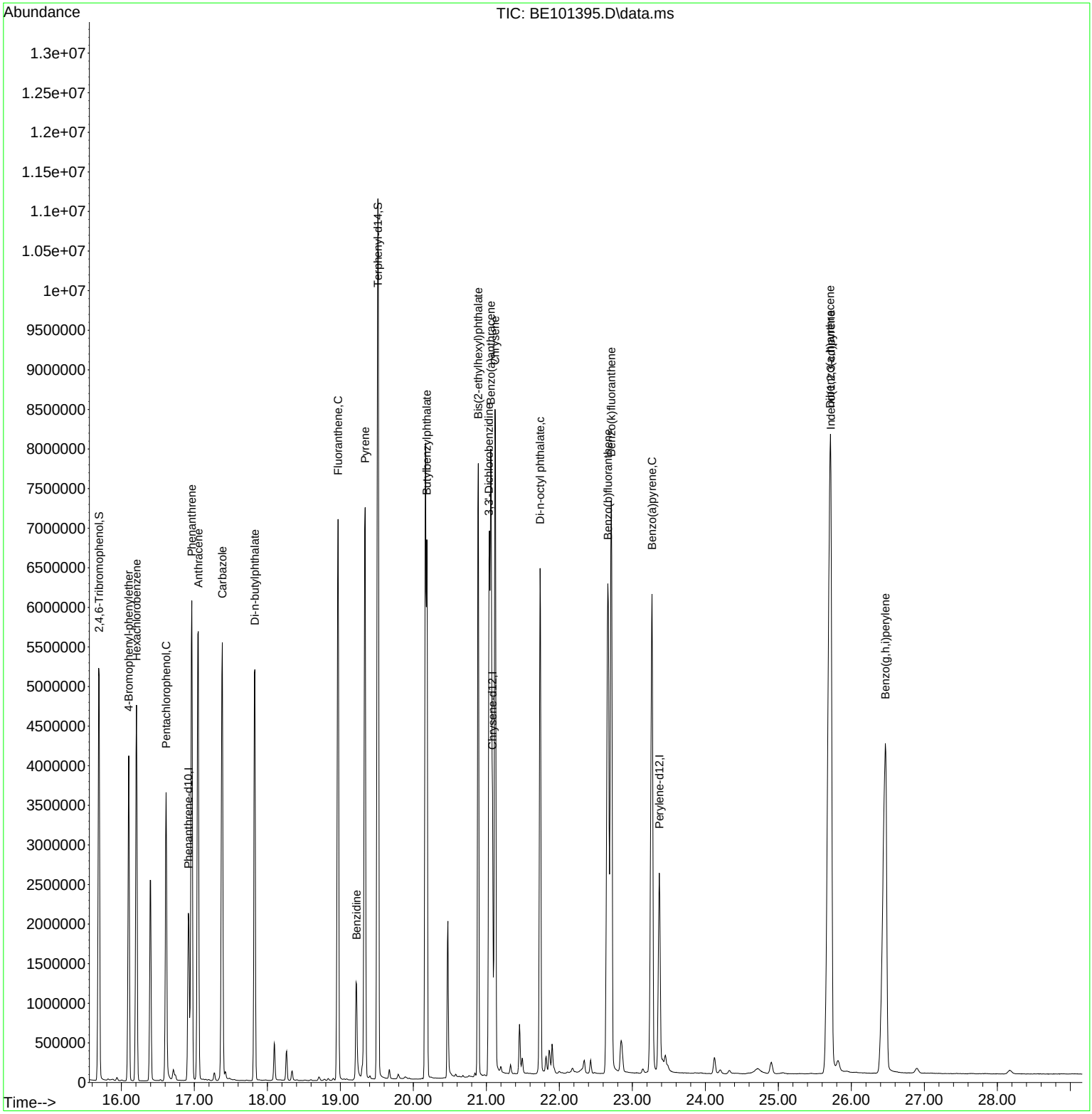
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101395.D
Acq On : 28 Oct 2024 15:25
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 29 01:19:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 00:58:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101396.D
Acq On : 28 Oct 2024 16:01
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 29 01:22:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 00:58:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.575	152	178600	20.000	ng		0.00
21) Naphthalene-d8	10.342	136	857359	20.000	ng		0.00
39) Acenaphthene-d10	14.185	164	629145	20.000	ng		0.00
64) Phenanthrene-d10	16.923	188	1425289	20.000	ng		0.00
76) Chrysene-d12	21.089	240	1483802	20.000	ng		0.01
86) Perylene-d12	23.374	264	1958585	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.319	112	1650888	162.007	ng		0.00
7) Phenol-d6	6.958	99	2347999	166.174	ng		0.01
23) Nitrobenzene-d5	8.791	82	2169296	158.920	ng		0.00
42) 2,4,6-Tribromophenol	15.701	330	1741409	157.924	ng		0.01
45) 2-Fluorobiphenyl	12.810	172	4719582	127.042	ng		0.00
79) Terphenyl-d14	0.000	244	0d	0.000	ng		
Target Compounds							Qvalue
2) 1,4-Dioxane	3.198	88	270568	71.190	ng		99
3) Pyridine	3.621	79	894327m	83.383	ng		
4) n-Nitrosodimethylamine	3.544	42	334535	81.584	ng		97
6) Aniline	7.017	93	548070m	50.604	ng		
8) 2-Chlorophenol	7.222	128	979447	80.138	ng		100
10) Phenol	6.981	94	1263744	82.431	ng		99
11) bis(2-Chloroethyl)ether	7.046	93	1066176m	86.125	ng		
12) 1,3-Dichlorobenzene	7.457	146	987323	74.916	ng		99
13) 1,4-Dichlorobenzene	7.604	146	1006819	74.811	ng		99
14) 1,2-Dichlorobenzene	7.939	146	991630	75.275	ng		99
15) Benzyl Alcohol	7.916	79	707261	83.973	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.080	45	1173362	74.135	ng		97
17) 2-Methylphenol	8.157	107	867917	83.645	ng		100
18) Hexachloroethane	8.633	117	343760	78.217	ng		99
19) n-Nitroso-di-n-propyla...	8.386	70	787045	83.939	ng		97
20) 3+4-Methylphenols	8.497	107	1195852	83.492	ng		98
22) Acetophenone	8.427	105	1529824	78.585	ng	#	99
24) Nitrobenzene	8.832	77	1163720	80.099	ng		97
25) Isophorone	9.285	82	2169116	81.433	ng		98
26) 2-Nitrophenol	9.514	139	621636	88.527	ng		97
27) 2,4-Dimethylphenol	9.631	122	723584	81.889	ng		100
28) bis(2-Chloroethoxy)met...	9.778	93	1268974	78.555	ng		98
29) 2,4-Dichlorophenol	10.066	162	1019981	83.439	ng		99
30) 1,2,4-Trichlorobenzene	10.190	180	1026026	77.047	ng		98
31) Naphthalene	10.389	128	3210242	73.477	ng		97
32) Benzoic acid	9.966	122	802694	81.411	ng		98
33) 4-Chloroaniline	10.624	127	1045977	68.848	ng		99
34) Hexachlorobutadiene	10.642	225	602261	76.406	ng		99
35) Caprolactam	11.447	113	423607m	90.611	ng		
36) 4-Chloro-3-methylphenol	11.805	107	1177907	84.629	ng		99
37) 2-Methylnaphthalene	11.982	142	2386729	75.826	ng		99
38) 1-Methylnaphthalene	12.211	142	2387484	75.998	ng		99
40) 1,2,4,5-Tetrachloroben...	12.340	216	1210469	76.642	ng		100
41) Hexachlorocyclopentadiene	12.322	237	406717	77.974	ng		98
43) 2,4,6-Trichlorophenol	12.657	196	889070	81.656	ng		99
44) 2,4,5-Trichlorophenol	12.763	196	1033376	82.879	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101396.D
Acq On : 28 Oct 2024 16:01
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024

Quant Time: Oct 29 01:22:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 00:58:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.016	154	3080214	71.461	ng		96
47) 2-Chloronaphthalene	13.063	162	2521882	74.054	ng		96
48) 2-Nitroaniline	13.398	65	810925	88.484	ng		97
49) Acenaphthylene	13.920	152	3707314	73.615	ng		95
50) Dimethylphthalate	13.703	163	3267141	73.569	ng		98
51) 2,6-Dinitrotoluene	13.838	165	839701	81.898	ng		97
52) Acenaphthene	14.249	154	2355574	71.632	ng		97
53) 3-Nitroaniline	14.244	138	793668	77.847	ng		97
54) 2,4-Dinitrophenol	14.379	184	582382	79.945	ng		99
55) Dibenzofuran	14.590	168	3693841	70.475	ng		92
56) 4-Nitrophenol	14.667	139	799802	85.665	ng		98
57) 2,4-Dinitrotoluene	14.620	165	1210728	85.772	ng		100
58) Fluorene	15.231	166	3075135	70.134	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.861	232	929313	80.669	ng		100
60) Diethylphthalate	15.025	149	3340276	71.909	ng		93
61) 4-Chlorophenyl-phenyle...	15.219	204	1587212	72.949	ng		98
62) 4-Nitroaniline	15.442	138	979372	86.327	ng		99
63) Azobenzene	15.519	77	2903362	72.715	ng		93
65) 4,6-Dinitro-2-methylph...	15.360	198	757521	90.448	ng		98
66) n-Nitrosodiphenylamine	15.472	169	2787792	73.757	ng		97
67) 4-Bromophenyl-phenylether	16.100	248	1192660	79.548	ng		100
68) Hexachlorobenzene	16.212	284	1535726	78.146	ng		98
70) Pentachlorophenol	16.617	266	1010500	89.330	ng		99
71) Phenanthrene	16.970	178	4566935	66.923	ng	#	91
72) Anthracene	17.052	178	4521882	67.862	ng	#	90
73) Carbazole	17.387	167	4672533	68.533	ng	#	90
74) Di-n-butylphthalate	17.828	149	4941803	65.839	ng	#	92
75) Fluoranthene	18.973	202	5150870	62.145	ng		89
77) Benzidine	19.220	184	1366638	72.570	ng		99
78) Pyrene	19.343	202	5284167	64.759	ng	#	86
80) Butylbenzylphthalate	20.190	149	2702990	75.562	ng		96
81) Benzo(a)anthracene	21.065	228	5217950	62.566	ng	#	85
82) 3,3'-Dichlorobenzidine	21.041	252	2349046	71.902	ng		97
83) Chrysene	21.124	228	4974972	61.697	ng	#	86
84) Bis(2-ethylhexyl)phtha...	20.889	149	3506446	73.788	ng	#	89
85) Di-n-octyl phthalate	21.741	149	5240960	67.196	ng	#	96
87) Indeno(1,2,3-cd)pyrene	25.742	276	9511841	72.567	ng		98
88) Benzo(b)fluoranthene	22.675	252	6843216	67.045	ng	#	91
89) Benzo(k)fluoranthene	22.722	252	6063342	63.566	ng	#	89
90) Benzo(a)pyrene	23.274	252	6239978	69.904	ng	#	91
91) Dibenzo(a,h)anthracene	25.724	278	7655222	70.679	ng		95
92) Benzo(g,h,i)perylene	26.482	276	8419364	75.445	ng		96

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

ICAL Form

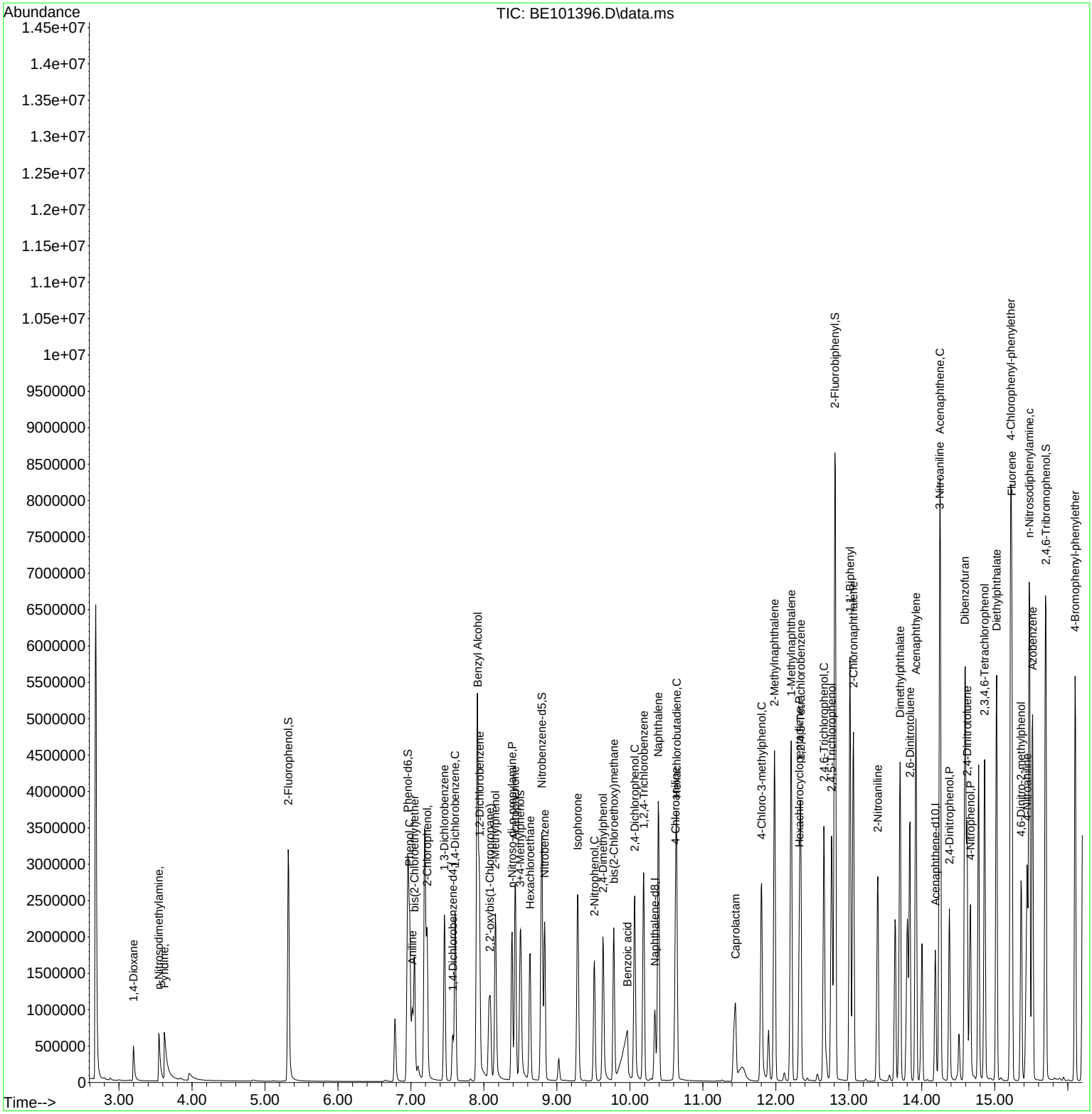
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101396.D
Acq On : 28 Oct 2024 16:01
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 29 01:22:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 00:58:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024



ICAL Form

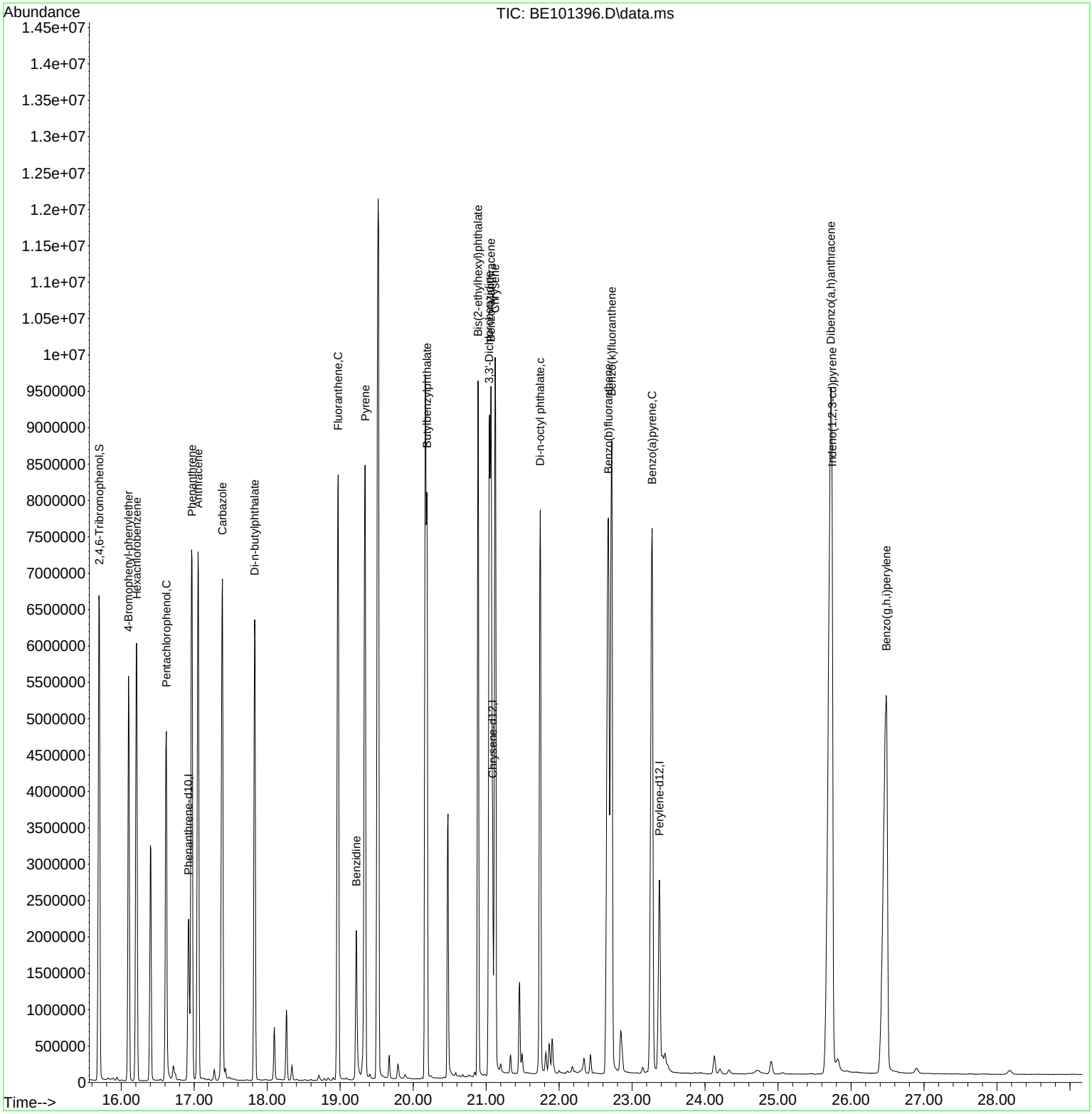
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101396.D
Acq On : 28 Oct 2024 16:01
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 29 01:22:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 00:58:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101397.D
Acq On : 28 Oct 2024 16:37
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE102824

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024

Quant Time: Oct 29 01:28:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.570	152	135975	20.000	ng	0.00
21) Naphthalene-d8	10.343	136	689556	20.000	ng	0.00
39) Acenaphthene-d10	14.186	164	494390	20.000	ng	0.00
64) Phenanthrene-d10	16.918	188	1118107	20.000	ng	0.00
76) Chrysene-d12	21.077	240	1178888	20.000	ng	0.00
86) Perylene-d12	23.369	264	1506294	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.319	112	642682	82.839	ng	0.00
7) Phenol-d6	6.953	99	943928	87.746	ng	0.00
23) Nitrobenzene-d5	8.786	82	931158	84.816	ng	0.00
42) 2,4,6-Tribromophenol	15.690	330	730631	84.319	ng	0.00
45) 2-Fluorobiphenyl	12.805	172	2410105	82.558	ng	0.00
79) Terphenyl-d14	19.515	244	4018242	78.448	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.204	88	112859	39.003	ng	99
3) Pyridine	3.639	79	342567m	41.845	ng	
4) n-Nitrosodimethylamine	3.557	42	131547	41.530	ng	99
6) Aniline	7.012	93	381702m	46.299	ng	
8) 2-Chlorophenol	7.217	128	394111	42.354	ng	99
9) Benzaldehyde	6.782	77	243959	46.978	ng	98
10) Phenol	6.976	94	524973	44.977	ng	99
11) bis(2-Chloroethyl)ether	7.041	93	352789	36.844	ng	99
12) 1,3-Dichlorobenzene	7.458	146	407554	40.619	ng	99
13) 1,4-Dichlorobenzene	7.605	146	416170	40.617	ng	99
14) 1,2-Dichlorobenzene	7.934	146	416666	41.544	ng	99
15) Benzyl Alcohol	7.916	79	280441	43.735	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.075	45	504614	41.877	ng	96
17) 2-Methylphenol	8.157	107	338367	42.832	ng	100
18) Hexachloroethane	8.627	117	140124	41.877	ng	97
19) n-Nitroso-di-n-propyla...	8.375	70	334804	46.901	ng	98
20) 3+4-Methylphenols	8.492	107	482425	44.240	ng	96
22) Acetophenone	8.422	105	658880	42.082	ng	99
24) Nitrobenzene	8.827	77	486233	41.612	ng	98
25) Isophorone	9.280	82	923963	43.128	ng	99
26) 2-Nitrophenol	9.509	139	247215	43.773	ng	99
27) 2,4-Dimethylphenol	9.632	122	296382	41.704	ng	99
28) bis(2-Chloroethoxy)met...	9.779	93	543065	41.799	ng	99
29) 2,4-Dichlorophenol	10.061	162	413366	42.044	ng	100
30) 1,2,4-Trichlorobenzene	10.184	180	432858	40.415	ng	99
31) Naphthalene	10.390	128	1427648	40.628	ng	100
32) Benzoic acid	9.896	122	280040	39.965	ng	99
33) 4-Chloroaniline	10.613	127	560356	45.859	ng	99
34) Hexachlorobutadiene	10.637	225	255945	40.372	ng	99
35) Caprolactam	11.395	113	166215	44.104	ng	98
36) 4-Chloro-3-methylphenol	11.788	107	479680	42.850	ng	99
37) 2-Methylnaphthalene	11.976	142	1040801	41.112	ng	99
38) 1-Methylnaphthalene	12.206	142	1039012	41.122	ng	99
40) 1,2,4,5-Tetrachloroben...	12.335	216	508563	40.977	ng	100
41) Hexachlorocyclopentadiene	12.317	237	169665	41.393	ng	99
43) 2,4,6-Trichlorophenol	12.658	196	369991	43.244	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101397.D
Acq On : 28 Oct 2024 16:37
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE102824

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024

Quant Time: Oct 29 01:28:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.758	196	417164	42.577	ng	100
46) 1,1'-Biphenyl	13.010	154	1390011	41.038	ng	99
47) 2-Chloronaphthalene	13.057	162	1102426	41.196	ng	99
48) 2-Nitroaniline	13.386	65	326383	45.320	ng	99
49) Acenaphthylene	13.915	152	1651908	41.742	ng	99
50) Dimethylphthalate	13.692	163	1435201	41.126	ng	100
51) 2,6-Dinitrotoluene	13.827	165	339386	42.124	ng	97
52) Acenaphthene	14.244	154	1064171	41.182	ng	99
53) 3-Nitroaniline	14.233	138	354038	44.191	ng	99
54) 2,4-Dinitrophenol	14.368	184	204189	38.780	ng	98
55) Dibenzofuran	14.591	168	1676523	40.705	ng	99
56) 4-Nitrophenol	14.650	139	305994	41.707	ng	99
57) 2,4-Dinitrotoluene	14.609	165	480487	43.318	ng	99
58) Fluorene	15.225	166	1418626	41.173	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.855	232	384198	42.441	ng	99
60) Diethylphthalate	15.014	149	1493405	40.913	ng	100
61) 4-Chlorophenyl-phenyle...	15.214	204	701783	41.046	ng	99
62) 4-Nitroaniline	15.419	138	385584	43.251	ng	99
63) Azobenzene	15.508	77	1304082	41.563	ng	99
65) 4,6-Dinitro-2-methylph...	15.349	198	274306	41.750	ng	99
66) n-Nitrosodiphenylamine	15.466	169	1234319	41.628	ng	99
67) 4-Bromophenyl-phenylether	16.101	248	491891	41.822	ng	96
68) Hexachlorobenzene	16.207	284	643314	41.729	ng	97
69) Atrazine	16.395	200	406439	44.711	ng	100
70) Pentachlorophenol	16.612	266	397449	44.788	ng	98
71) Phenanthrene	16.959	178	2206489	41.217	ng	100
72) Anthracene	17.047	178	2193019	41.954	ng	99
73) Carbazole	17.376	167	2216213	41.436	ng	100
74) Di-n-butylphthalate	17.822	149	2524597	42.876	ng	100
75) Fluoranthene	18.962	202	2654890	40.831	ng	99
77) Benzidine	19.221	184	902385	60.311	ng	100
78) Pyrene	19.332	202	2798951	43.174	ng	100
80) Butylbenzylphthalate	20.184	149	1229626	43.265	ng	99
81) Benzo(a)anthracene	21.060	228	2796518	42.205	ng	100
82) 3,3'-Dichlorobenzidine	21.036	252	1140565	43.941	ng	100
83) Chrysene	21.113	228	2666843	41.627	ng	99
84) Bis(2-ethylhexyl)phtha...	20.889	149	1683088	44.579	ng	99
85) Di-n-octyl phthalate	21.736	149	2752236	44.414	ng	100
87) Indeno(1,2,3-cd)pyrene	25.696	276	4140658	41.075	ng	100
88) Benzo(b)fluoranthene	22.658	252	3307474	42.134	ng	99
89) Benzo(k)fluoranthene	22.705	252	3044393	41.512	ng	99
90) Benzo(a)pyrene	23.257	252	2880588	41.960	ng	100
91) Dibenzo(a,h)anthracene	25.684	278	3469403	41.651	ng	99
92) Benzo(g,h,i)perylene	26.442	276	3517606	40.986	ng	99

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

ICAL Form

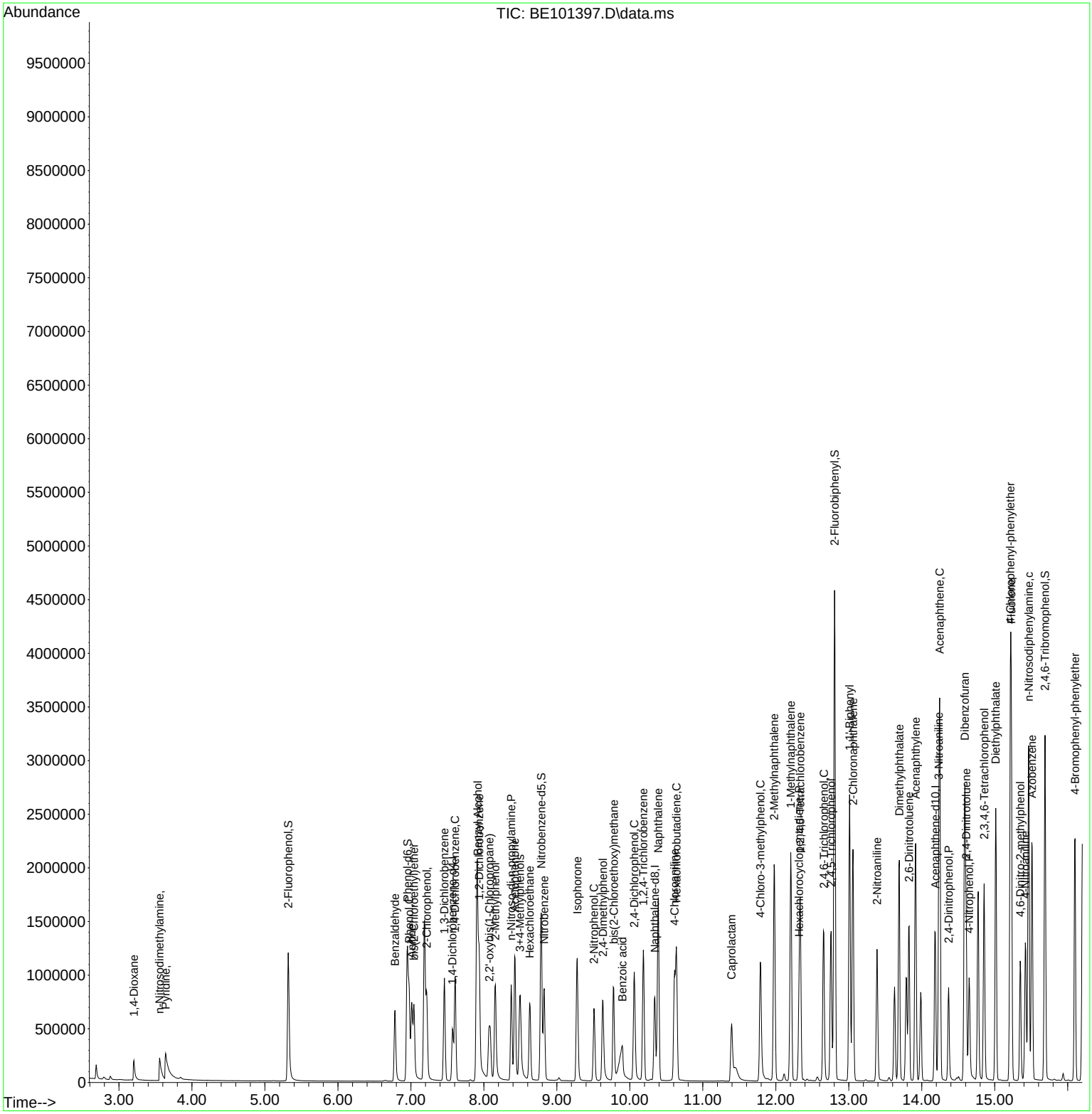
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101397.D
Acq On : 28 Oct 2024 16:37
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 29 01:28:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
ICVBE102824

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101397.D
Acq On : 28 Oct 2024 16:37
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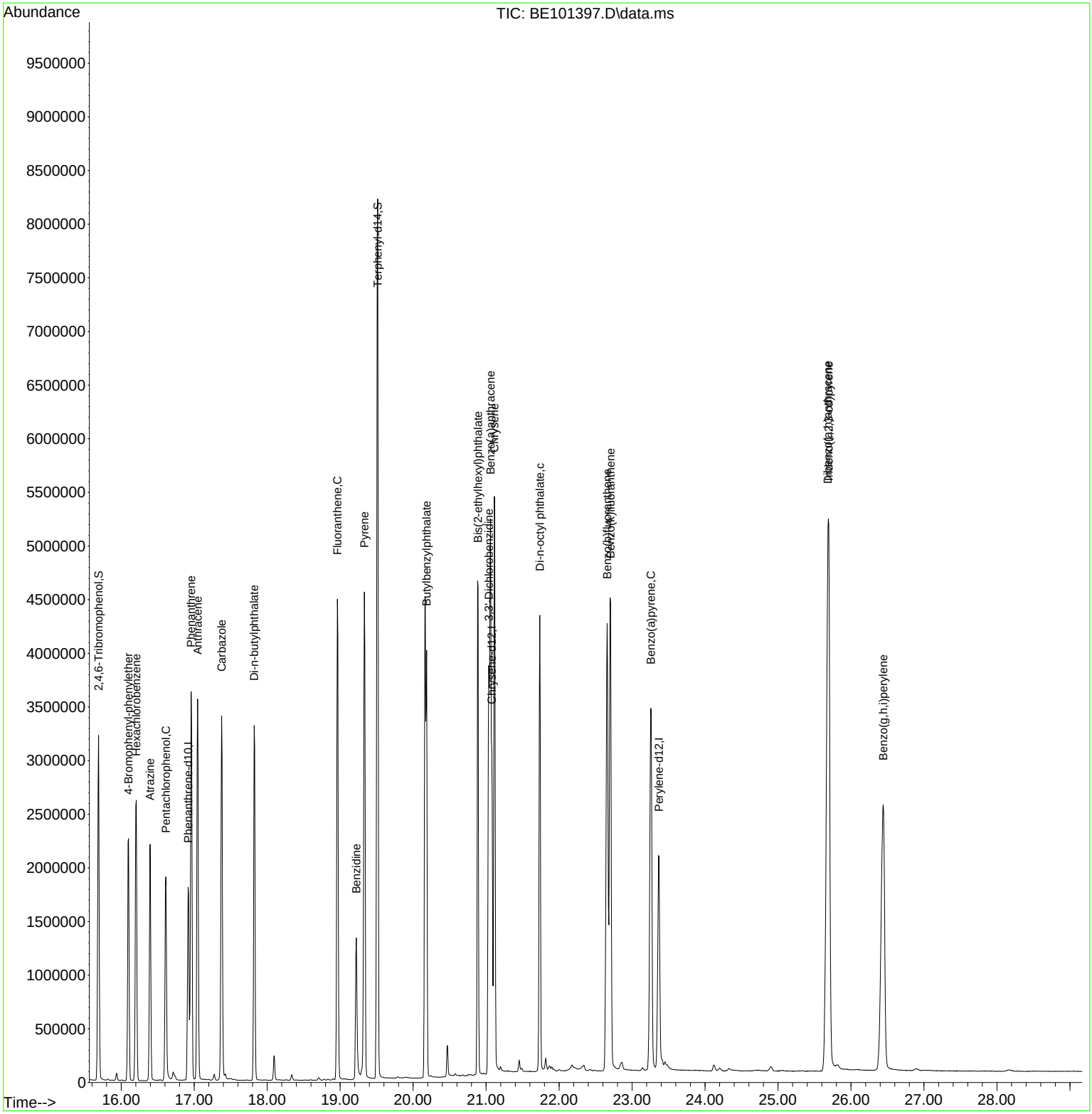
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101397.D
Acq On : 28 Oct 2024 16:37
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE102824

Quant Time: Oct 29 01:28:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
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	96	0.00
2		1,4-Dioxane	0.426	0.415	2.6	95	0.00
3		Pyridine	1.204	1.260	-4.7	102	0.00
4		n-Nitrosodimethylamine	0.466	0.484	-3.9	97	0.00
5	S	2-Fluorophenol	1.141	1.182	-3.6	99	0.00
6		Aniline	1.213	1.404	-15.7	101	0.00
7	S	Phenol-d6	1.582	1.735	-9.7	103	0.00
8		2-Chlorophenol	1.369	1.449	-5.8	100	0.00
9		Benzaldehyde	0.764	0.897	-17.4	107	0.00
10	C	Phenol	1.717	1.930	-12.4	102	0.00
11		bis(2-Chloroethyl)ether	1.408	1.297	7.9	85	0.00
12		1,3-Dichlorobenzene	1.476	1.499	-1.6	97	0.00
13	C	1,4-Dichlorobenzene	1.507	1.530	-1.5	98	0.00
14		1,2-Dichlorobenzene	1.475	1.532	-3.9	99	0.00
15		Benzyl Alcohol	0.943	1.031	-9.3	94	0.00
16		2,2'-oxybis(1-Chloropropane	1.772	1.856	-4.7	100	0.00
17		2-Methylphenol	1.162	1.244	-7.1	99	0.00
18		Hexachloroethane	0.492	0.515	-4.7	100	0.00
19	P	n-Nitroso-di-n-propylamine	1.050	1.231	-17.2	103	0.00
20		3+4-Methylphenols	1.604	1.774	-10.6	102	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	101	0.00
22		Acetophenone	0.454	0.478	-5.3	101	0.00
23	S	Nitrobenzene-d5	0.318	0.338	-6.3	102	0.00
24		Nitrobenzene	0.339	0.353	-4.1	101	0.00
25		Isophorone	0.621	0.670	-7.9	102	0.00
26	C	2-Nitrophenol	0.164	0.179	-9.1	102	0.00
27		2,4-Dimethylphenol	0.206	0.215	-4.4	101	0.00
28		bis(2-Chloroethoxy)methane	0.377	0.394	-4.5	102	0.00
29	C	2,4-Dichlorophenol	0.285	0.300	-5.3	102	0.00
30		1,2,4-Trichlorobenzene	0.311	0.314	-1.0	102	0.00
31		Naphthalene	1.019	1.035	-1.6	101	0.00
32		Benzoic acid	0.182	0.203	-11.5	105	0.00
33		4-Chloroaniline	0.354	0.406	-14.7	104	0.00
34	C	Hexachlorobutadiene	0.184	0.186	-1.1	100	0.00
35		Caprolactam	0.109	0.121	-11.0	103	0.00
36	C	4-Chloro-3-methylphenol	0.325	0.348	-7.1	104	0.00
37		2-Methylnaphthalene	0.734	0.755	-2.9	101	0.00
38		1-Methylnaphthalene	0.733	0.753	-2.7	102	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	101	0.00
40		1,2,4,5-Tetrachlorobenzene	0.502	0.514	-2.4	101	0.00
41	P	Hexachlorocyclopentadiene	0.166	0.172	-3.6	98	0.00
42	S	2,4,6-Tribromophenol	0.351	0.369	-5.1	102	0.00
43	C	2,4,6-Trichlorophenol	0.346	0.374	-8.1	102	0.00
44		2,4,5-Trichlorophenol	0.396	0.422	-6.6	103	0.00
45	S	2-Fluorobiphenyl	1.181	1.219	-3.2	100	0.00
46		1,1'-Biphenyl	1.370	1.406	-2.6	101	0.00
47		2-Chloronaphthalene	1.083	1.115	-3.0	102	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101397.D
Acq On : 28 Oct 2024 16:37
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE102824

Quant Time: Oct 29 01:28:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
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	0.291	0.330	-13.4	105	0.00
49		Acenaphthylene	1.601	1.671	-4.4	101	0.00
50		Dimethylphthalate	1.412	1.451	-2.8	101	0.00
51		2,6-Dinitrotoluene	0.326	0.343	-5.2	100	0.00
52	C	Acenaphthene	1.045	1.076	-3.0	101	0.00
53		3-Nitroaniline	0.324	0.358	-10.5	101	0.00
54	P	2,4-Dinitrophenol	0.198	0.207	-4.5	100	0.00
55		Dibenzofuran	1.666	1.696	-1.8	101	0.00
56	P	4-Nitrophenol	0.297	0.309	-4.0	100	0.00
57		2,4-Dinitrotoluene	0.449	0.486	-8.2	102	0.00
58		Fluorene	1.394	1.435	-2.9	100	0.00
59		2,3,4,6-Tetrachlorophenol	0.366	0.389	-6.3	103	0.00
60		Diethylphthalate	1.477	1.510	-2.2	99	0.00
61		4-Chlorophenyl-phenylether	0.692	0.710	-2.6	101	0.00
62		4-Nitroaniline	0.361	0.390	-8.0	101	0.00
63		Azobenzene	1.269	1.319	-3.9	101	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
65		4,6-Dinitro-2-methylphenol	0.118	0.123	-4.2	99	0.00
66	c	n-Nitrosodiphenylamine	0.530	0.552	-4.2	100	0.00
67		4-Bromophenyl-phenylether	0.210	0.220	-4.8	102	0.00
68		Hexachlorobenzene	0.276	0.288	-4.3	101	0.00
69		Atrazine	0.163	0.182	-11.7	99	0.00
70	C	Pentachlorophenol	0.159	0.178	-11.9	103	0.00
71		Phenanthrene	0.958	0.987	-3.0	99	0.00
72		Anthracene	0.935	0.981	-4.9	100	0.00
73		Carbazole	0.957	0.991	-3.6	99	0.00
74		Di-n-butylphthalate	1.053	1.129	-7.2	99	0.00
75	C	Fluoranthene	1.163	1.187	-2.1	99	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	97	0.00
77		Benzidine	0.254	0.383	-50.8#	107	0.00
78		Pyrene	1.100	1.187	-7.9	98	0.00
79	S	Terphenyl-d14	0.869	0.852	2.0	98	0.00
80		Butylbenzylphthalate	0.482	0.522	-8.3	99	0.00
81		Benzo(a)anthracene	1.124	1.186	-5.5	98	0.00
82		3,3'-Dichlorobenzidine	0.440	0.484	-10.0	98	0.00
83		Chrysene	1.087	1.131	-4.0	99	0.00
84		Bis(2-ethylhexyl)phthalate	0.641	0.714	-11.4	99	0.00
85	c	Di-n-octyl phthalate	1.051	1.167	-11.0	100	0.00
86	I	Perylene-d12	1.000	1.000	0.0	100	0.00
87		Indeno(1,2,3-cd)pyrene	1.338	1.374	-2.7	98	0.00
88		Benzo(b)fluoranthene	1.042	1.098	-5.4	99	0.00
89		Benzo(k)fluoranthene	0.974	1.011	-3.8	99	0.00
90	C	Benzo(a)pyrene	0.912	0.956	-4.8	99	0.00
91		Dibenzo(a,h)anthracene	1.106	1.152	-4.2	98	0.00
92		Benzo(g,h,i)perylene	1.140	1.168	-2.5	99	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101397.D
Acq On : 28 Oct 2024 16:37
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE102824

Quant Time: Oct 29 01:28:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101397.D
Acq On : 28 Oct 2024 16:37
Operator : RC/JU
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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	96	0.00
2		1,4-Dioxane	40.000	39.003	2.5	95	0.00
3		Pyridine	40.000	41.845	-4.6	102	0.00
4		n-Nitrosodimethylamine	40.000	41.530	-3.8	97	0.00
5	S	2-Fluorophenol	80.000	82.839	-3.5	99	0.00
6		Aniline	40.000	46.299	-15.7	101	0.00
7	S	Phenol-d6	80.000	87.746	-9.7	103	0.00
8		2-Chlorophenol	40.000	42.354	-5.9	100	0.00
9		Benzaldehyde	40.000	46.978	-17.4	107	0.00
10	C	Phenol	40.000	44.977	-12.4	102	0.00
11		bis(2-Chloroethyl)ether	40.000	36.844	7.9	85	0.00
12		1,3-Dichlorobenzene	40.000	40.619	-1.5	97	0.00
13	C	1,4-Dichlorobenzene	40.000	40.617	-1.5	98	0.00
14		1,2-Dichlorobenzene	40.000	41.544	-3.9	99	0.00
15		Benzyl Alcohol	40.000	43.735	-9.3	94	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	41.877	-4.7	100	0.00
17		2-Methylphenol	40.000	42.832	-7.1	99	0.00
18		Hexachloroethane	40.000	41.877	-4.7	100	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	46.901	-17.3	103	0.00
20		3+4-Methylphenols	40.000	44.240	-10.6	102	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	101	0.00
22		Acetophenone	40.000	42.082	-5.2	101	0.00
23	S	Nitrobenzene-d5	80.000	84.816	-6.0	102	0.00
24		Nitrobenzene	40.000	41.612	-4.0	101	0.00
25		Isophorone	40.000	43.128	-7.8	102	0.00
26	C	2-Nitrophenol	40.000	43.773	-9.4	102	0.00
27		2,4-Dimethylphenol	40.000	41.704	-4.3	101	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.799	-4.5	102	0.00
29	C	2,4-Dichlorophenol	40.000	42.044	-5.1	102	0.00
30		1,2,4-Trichlorobenzene	40.000	40.415	-1.0	102	0.00
31		Naphthalene	40.000	40.628	-1.6	101	0.00
32		Benzoic acid	40.000	39.965	0.1	105	0.00
33		4-Chloroaniline	40.000	45.859	-14.6	104	0.00
34	C	Hexachlorobutadiene	40.000	40.372	-0.9	100	0.00
35		Caprolactam	40.000	44.104	-10.3	103	0.00
36	C	4-Chloro-3-methylphenol	40.000	42.850	-7.1	104	0.00
37		2-Methylnaphthalene	40.000	41.112	-2.8	101	0.00
38		1-Methylnaphthalene	40.000	41.122	-2.8	102	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	101	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.977	-2.4	101	0.00
41	P	Hexachlorocyclopentadiene	40.000	41.393	-3.5	98	0.00
42	S	2,4,6-Tribromophenol	80.000	84.319	-5.4	102	0.00
43	C	2,4,6-Trichlorophenol	40.000	43.244	-8.1	102	0.00
44		2,4,5-Trichlorophenol	40.000	42.577	-6.4	103	0.00
45	S	2-Fluorobiphenyl	80.000	82.558	-3.2	100	0.00
46		1,1'-Biphenyl	40.000	41.038	-2.6	101	0.00
47		2-Chloronaphthalene	40.000	41.196	-3.0	102	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101397.D
Acq On : 28 Oct 2024 16:37
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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)
48		2-Nitroaniline	40.000	45.320	-13.3	105	0.00
49		Acenaphthylene	40.000	41.742	-4.4	101	0.00
50		Dimethylphthalate	40.000	41.126	-2.8	101	0.00
51		2,6-Dinitrotoluene	40.000	42.124	-5.3	100	0.00
52	C	Acenaphthene	40.000	41.182	-3.0	101	0.00
53		3-Nitroaniline	40.000	44.191	-10.5	101	0.00
54	P	2,4-Dinitrophenol	40.000	38.780	3.0	100	0.00
55		Dibenzofuran	40.000	40.705	-1.8	101	0.00
56	P	4-Nitrophenol	40.000	41.707	-4.3	100	0.00
57		2,4-Dinitrotoluene	40.000	43.318	-8.3	102	0.00
58		Fluorene	40.000	41.173	-2.9	100	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.441	-6.1	103	0.00
60		Diethylphthalate	40.000	40.913	-2.3	99	0.00
61		4-Chlorophenyl-phenylether	40.000	41.046	-2.6	101	0.00
62		4-Nitroaniline	40.000	43.251	-8.1	101	0.00
63		Azobenzene	40.000	41.563	-3.9	101	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	100	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.750	-4.4	99	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.628	-4.1	100	0.00
67		4-Bromophenyl-phenylether	40.000	41.822	-4.6	102	0.00
68		Hexachlorobenzene	40.000	41.729	-4.3	101	0.00
69		Atrazine	40.000	44.711	-11.8	99	0.00
70	C	Pentachlorophenol	40.000	44.788	-12.0	103	0.00
71		Phenanthrene	40.000	41.217	-3.0	99	0.00
72		Anthracene	40.000	41.954	-4.9	100	0.00
73		Carbazole	40.000	41.436	-3.6	99	0.00
74		Di-n-butylphthalate	40.000	42.876	-7.2	99	0.00
75	C	Fluoranthene	40.000	40.831	-2.1	99	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	97	0.00
77		Benzidine	40.000	60.311	-50.8#	107	0.00
78		Pyrene	40.000	43.174	-7.9	98	0.00
79	S	Terphenyl-d14	80.000	78.448	1.9	98	0.00
80		Butylbenzylphthalate	40.000	43.265	-8.2	99	0.00
81		Benzo(a)anthracene	40.000	42.205	-5.5	98	0.00
82		3,3'-Dichlorobenzidine	40.000	43.941	-9.9	98	0.00
83		Chrysene	40.000	41.627	-4.1	99	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	44.579	-11.4	99	0.00
85	c	Di-n-octyl phthalate	40.000	44.414	-11.0	100	0.00
86	I	Perylene-d12	20.000	20.000	0.0	100	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	41.075	-2.7	98	0.00
88		Benzo(b)fluoranthene	40.000	42.134	-5.3	99	0.00
89		Benzo(k)fluoranthene	40.000	41.512	-3.8	99	0.00
90	C	Benzo(a)pyrene	40.000	41.960	-4.9	99	0.00
91		Dibenzo(a,h)anthracene	40.000	41.651	-4.1	98	0.00
92		Benzo(g,h,i)perylene	40.000	40.986	-2.5	99	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101397.D
Acq On : 28 Oct 2024 16:37
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE102824

Quant Time: Oct 29 01:28:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

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

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

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG No.: P4675

Instrument ID: BNA_E Calibration Date/Time: 11/04/2024 12:49

Lab File ID: BE101453.D Init. Calib. Date(s): 10/28/2024 10/28/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:44 16:01

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.141	1.142		0.1	
Phenol-d6	1.582	1.573		-0.6	
Nitrobenzene-d5	0.318	0.321		0.9	
Naphthalene	1.019	0.990		-2.8	
2-Fluorobiphenyl	1.181	1.206		2.1	
Fluorene	1.394	1.357		-2.7	
2,4,6-Tribromophenol	0.351	0.356		1.4	
Phenanthrene	0.958	0.959		0.1	
Anthracene	0.935	0.954		2.0	
Pyrene	1.100	1.154		4.9	
Terphenyl-d14	0.869	0.859		-1.2	
Benzo(a)anthracene	1.124	1.162		3.4	
Chrysene	1.087	1.095		0.7	
Benzo(b)fluoranthene	1.042	1.060		1.7	
Benzo(a)pyrene	0.912	0.933		2.3	20.0
Indeno(1,2,3-cd)pyrene	1.338	1.355		1.3	
Benzo(g,h,i)perylene	1.140	1.151		1.0	

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BE101453.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110424\
Data File : BE101453.D
Acq On : 4 Nov 2024 12:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024

Quant Time: Nov 04 12:30:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.570	152	101222	20.000	ng		0.00
21) Naphthalene-d8	10.343	136	465351	20.000	ng		0.00
39) Acenaphthene-d10	14.186	164	319103	20.000	ng		0.00
64) Phenanthrene-d10	16.924	188	704364	20.000	ng		0.00
76) Chrysene-d12	21.084	240	756056	20.000	ng		0.00
86) Perylene-d12	23.375	264	973527	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.320	112	462242	80.037	ng		0.00
7) Phenol-d6	6.953	99	636707	79.508	ng		0.00
23) Nitrobenzene-d5	8.786	82	598342	80.759	ng		0.00
42) 2,4,6-Tribromophenol	15.690	330	454037	81.182	ng		0.00
45) 2-Fluorobiphenyl	12.805	172	1539205	81.688	ng		0.00
79) Terphenyl-d14	19.515	244	2598151	79.092	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.204	88	82690	38.388	ng		99
3) Pyridine	3.627	79	241790	39.675	ng		99
4) n-Nitrosodimethylamine	3.557	42	96051	40.735	ng		99
6) Aniline	7.012	93	252836	41.197	ng		96
8) 2-Chlorophenol	7.217	128	270457	39.045	ng		99
9) Benzaldehyde	6.783	77	174134	45.045	ng		99
10) Phenol	6.976	94	349464	40.220	ng		98
11) bis(2-Chloroethyl)ether	7.041	93	269514m	37.811	ng		
12) 1,3-Dichlorobenzene	7.458	146	289372	38.742	ng		99
13) 1,4-Dichlorobenzene	7.605	146	294636	38.628	ng		99
14) 1,2-Dichlorobenzene	7.934	146	288014	38.576	ng		99
15) Benzyl Alcohol	7.911	79	196143	41.090	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.075	45	334813	37.325	ng		97
17) 2-Methylphenol	8.157	107	230974	39.276	ng		99
18) Hexachloroethane	8.627	117	100503	40.349	ng		98
19) n-Nitroso-di-n-propyla...	8.375	70	215528	40.558	ng		99
20) 3+4-Methylphenols	8.498	107	318173	39.196	ng		99
22) Acetophenone	8.428	105	417916	39.552	ng	#	98
24) Nitrobenzene	8.827	77	312849	39.673	ng		97
25) Isophorone	9.280	82	589978	40.807	ng		99
26) 2-Nitrophenol	9.509	139	166540	43.696	ng		98
27) 2,4-Dimethylphenol	9.626	122	192052	40.044	ng		98
28) bis(2-Chloroethoxy)met...	9.773	93	350287	39.951	ng		99
29) 2,4-Dichlorophenol	10.061	162	269334	40.593	ng		98
30) 1,2,4-Trichlorobenzene	10.185	180	287217	39.737	ng		98
31) Naphthalene	10.390	128	921012	38.838	ng		100
32) Benzoic acid	9.920	122	163037	35.605	ng		99
33) 4-Chloroaniline	10.608	127	341887	41.461	ng		99
34) Hexachlorobutadiene	10.637	225	174648	40.821	ng		99
35) Caprolactam	11.412	113	102192m	40.180	ng		
36) 4-Chloro-3-methylphenol	11.794	107	297800	39.420	ng		100
37) 2-Methylnaphthalene	11.982	142	658799	38.561	ng		99
38) 1-Methylnaphthalene	12.206	142	656370	38.494	ng		99
40) 1,2,4,5-Tetrachloroben...	12.341	216	328416	40.998	ng		100
41) Hexachlorocyclopentadiene	12.317	237	112381	42.479	ng		98
43) 2,4,6-Trichlorophenol	12.658	196	231553	41.930	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110424\
Data File : BE101453.D
Acq On : 4 Nov 2024 12:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 04 12:30:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.758	196	261178	41.299	ng	98
46) 1,1'-Biphenyl	13.011	154	876021	40.070	ng	100
47) 2-Chloronaphthalene	13.058	162	690661	39.986	ng	99
48) 2-Nitroaniline	13.387	65	199038	42.819	ng	99
49) Acenaphthylene	13.915	152	1036062	40.561	ng	99
50) Dimethylphthalate	13.692	163	885770	39.325	ng	99
51) 2,6-Dinitrotoluene	13.827	165	209737	40.332	ng	99
52) Acenaphthene	14.250	154	650182	38.982	ng	99
53) 3-Nitroaniline	14.239	138	215810	41.735	ng	98
54) 2,4-Dinitrophenol	14.374	184	128638	37.986	ng	99
55) Dibenzofuran	14.591	168	1039337	39.096	ng	99
56) 4-Nitrophenol	14.656	139	183026	38.650	ng	98
57) 2,4-Dinitrotoluene	14.615	165	296439	41.405	ng	98
58) Fluorene	15.226	166	866002	38.941	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.855	232	232903	39.860	ng	98
60) Diethylphthalate	15.014	149	927278	39.358	ng	99
61) 4-Chlorophenyl-phenyle...	15.214	204	429451	38.915	ng	99
62) 4-Nitroaniline	15.425	138	231575	40.245	ng	98
63) Azobenzene	15.514	77	783619	38.694	ng	99
65) 4,6-Dinitro-2-methylph...	15.361	198	177221	42.818	ng	94
66) n-Nitrosodiphenylamine	15.467	169	752930	40.309	ng	99
67) 4-Bromophenyl-phenylether	16.101	248	302271	40.796	ng	96
68) Hexachlorobenzene	16.207	284	398846	41.068	ng	98
69) Atrazine	16.401	200	236759	41.344	ng	99
70) Pentachlorophenol	16.618	266	235022	42.041	ng	99
71) Phenanthrene	16.965	178	1350549	40.047	ng	98
72) Anthracene	17.047	178	1344221	40.821	ng	99
73) Carbazole	17.382	167	1345498	39.933	ng	98
74) Di-n-butylphthalate	17.823	149	1636855	44.128	ng	99
75) Fluoranthene	18.968	202	1670343	40.779	ng	97
77) Benzidine	19.221	184	460885	48.031	ng	99
78) Pyrene	19.338	202	1745216	41.975	ng	97
80) Butylbenzylphthalate	20.185	149	779728	42.779	ng	99
81) Benzo(a)anthracene	21.060	228	1757333	41.354	ng	98
82) 3,3'-Dichlorobenzidine	21.036	252	697242	41.885	ng	99
83) Chrysene	21.119	228	1655817	40.300	ng	96
84) Bis(2-ethylhexyl)phtha...	20.884	149	1127539	46.566	ng	98
85) Di-n-octyl phthalate	21.736	149	1868759	47.023	ng	98
87) Indeno(1,2,3-cd)pyrene	25.713	276	2638055	40.490	ng	99
88) Benzo(b)fluoranthene	22.664	252	2063500	40.673	ng	98
89) Benzo(k)fluoranthene	22.711	252	1928650	40.690	ng	97
90) Benzo(a)pyrene	23.269	252	1815825	40.925	ng	98
91) Dibenzo(a,h)anthracene	25.707	278	2193928	40.752	ng	99
92) Benzo(g,h,i)perylene	26.465	276	2240130	40.385	ng	98

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

Sample Results: **BE101453.D**

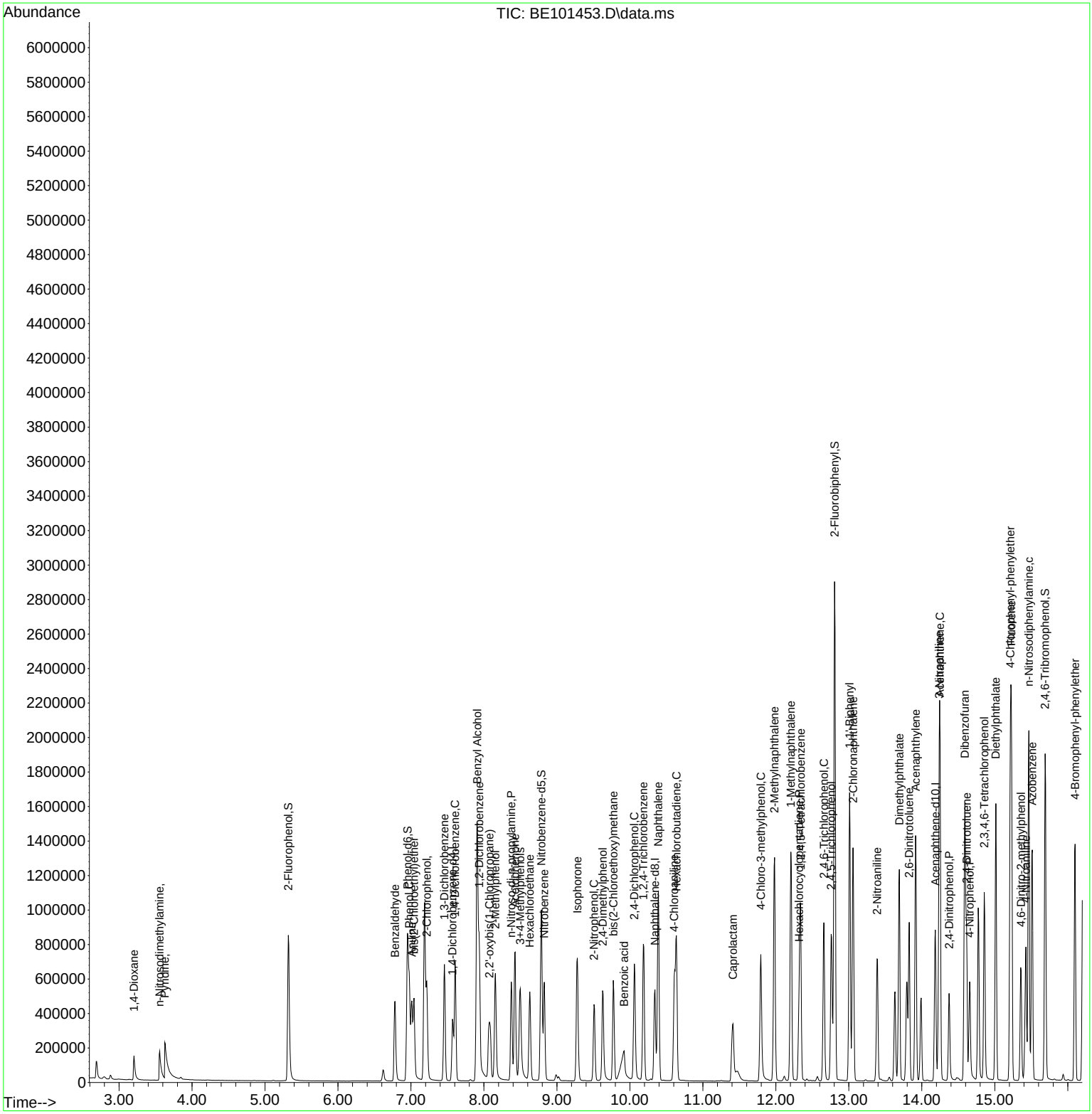
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110424\
Data File : BE101453.D
Acq On : 4 Nov 2024 12:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 04 12:30:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



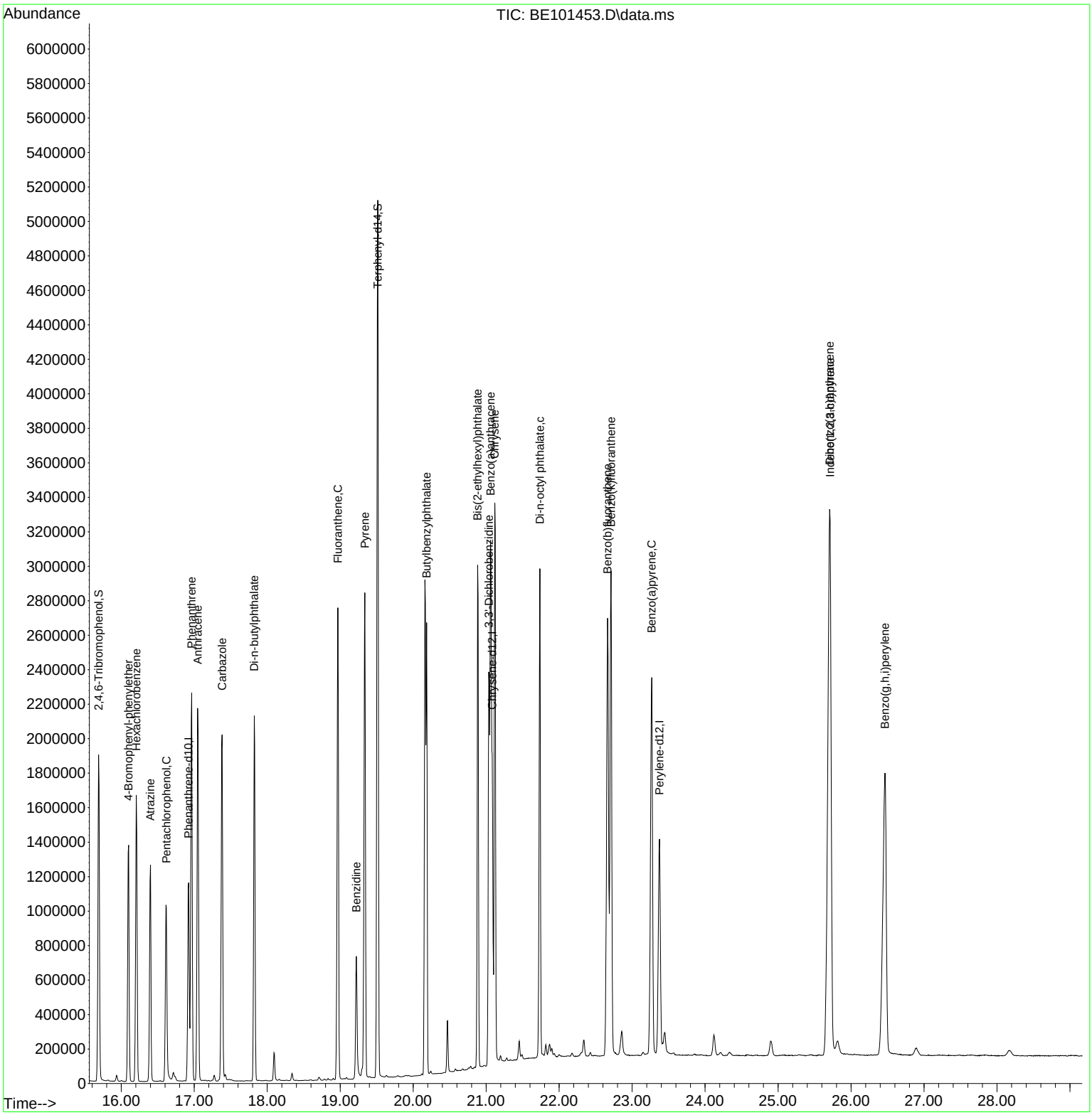
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110424\
Data File : BE101453.D
Acq On : 4 Nov 2024 12:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 04 12:30:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



Sample Results: **BE101453.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110424\
Data File : BE101453.D
Acq On : 4 Nov 2024 12:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
LabSampleId :
SSTDCCC040

Quant Time: Nov 04 12:30:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
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	72	0.00
2		1,4-Dioxane	0.426	0.408	4.2	70	0.00
3		Pyridine	1.204	1.194	0.8	72	-0.01
4		n-Nitrosodimethylamine	0.466	0.474	-1.7	71	0.00
5	S	2-Fluorophenol	1.141	1.142	-0.1	71	0.00
6		Aniline	1.213	1.249	-3.0	67	0.00
7	S	Phenol-d6	1.582	1.573	0.6	69	0.00
8		2-Chlorophenol	1.369	1.336	2.4	68	0.00
9		Benzaldehyde	0.764	0.860	-12.6	77	0.00
10	C	Phenol	1.717	1.726	-0.5	68	0.00
11		bis(2-Chloroethyl)ether	1.408	1.331	5.5	65	0.00
12		1,3-Dichlorobenzene	1.476	1.429	3.2	69	0.00
13	C	1,4-Dichlorobenzene	1.507	1.455	3.5	69	0.00
14		1,2-Dichlorobenzene	1.475	1.423	3.5	69	0.00
15		Benzyl Alcohol	0.943	0.969	-2.8	66	0.00
16		2,2'-oxybis(1-Chloropropane	1.772	1.654	6.7	66	0.00
17		2-Methylphenol	1.162	1.141	1.8	67	0.00
18		Hexachloroethane	0.492	0.496	-0.8	72	0.00
19	P	n-Nitroso-di-n-propylamine	1.050	1.065	-1.4	66	0.00
20		3+4-Methylphenols	1.604	1.572	2.0	67	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	68	0.00
22		Acetophenone	0.454	0.449	1.1	64	0.00
23	S	Nitrobenzene-d5	0.318	0.321	-0.9	66	0.00
24		Nitrobenzene	0.339	0.336	0.9	65	0.00
25		Isophorone	0.621	0.634	-2.1	65	0.00
26	C	2-Nitrophenol	0.164	0.179	-9.1	69	0.00
27		2,4-Dimethylphenol	0.206	0.206	0.0	66	0.00
28		bis(2-Chloroethoxy)methane	0.377	0.376	0.3	66	0.00
29	C	2,4-Dichlorophenol	0.285	0.289	-1.4	67	0.00
30		1,2,4-Trichlorobenzene	0.311	0.309	0.6	67	0.00
31		Naphthalene	1.019	0.990	2.8	65	0.00
32		Benzoic acid	0.182	0.175	3.8	61	0.03
33		4-Chloroaniline	0.354	0.367	-3.7	63	0.00
34	C	Hexachlorobutadiene	0.184	0.188	-2.2	69	0.00
35		Caprolactam	0.109	0.110	-0.9	63	0.02
36	C	4-Chloro-3-methylphenol	0.325	0.320	1.5	64	0.00
37		2-Methylnaphthalene	0.734	0.708	3.5	64	0.00
38		1-Methylnaphthalene	0.733	0.705	3.8	64	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	65	0.00
40		1,2,4,5-Tetrachlorobenzene	0.502	0.515	-2.6	65	0.00
41	P	Hexachlorocyclopentadiene	0.166	0.176	-6.0	65	0.00
42	S	2,4,6-Tribromophenol	0.351	0.356	-1.4	63	0.00
43	C	2,4,6-Trichlorophenol	0.346	0.363	-4.9	64	0.00
44		2,4,5-Trichlorophenol	0.396	0.409	-3.3	64	0.00
45	S	2-Fluorobiphenyl	1.181	1.206	-2.1	64	0.00
46		1,1'-Biphenyl	1.370	1.373	-0.2	64	0.00
47		2-Chloronaphthalene	1.083	1.082	0.1	64	0.00

Sample Results: **BE101453.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110424\
Data File : BE101453.D
Acq On : 4 Nov 2024 12:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
LabSampleId :
SSTDCCC040

Quant Time: Nov 04 12:30:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
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	0.291	0.312	-7.2	64	0.00
49		Acenaphthylene	1.601	1.623	-1.4	63	0.00
50		Dimethylphthalate	1.412	1.388	1.7	62	0.00
51		2,6-Dinitrotoluene	0.326	0.329	-0.9	62	0.00
52	C	Acenaphthene	1.045	1.019	2.5	62	0.00
53		3-Nitroaniline	0.324	0.338	-4.3	62	0.00
54	P	2,4-Dinitrophenol	0.198	0.202	-2.0	63	0.00
55		Dibenzofuran	1.666	1.629	2.2	63	0.00
56	P	4-Nitrophenol	0.297	0.287	3.4	60	0.00
57		2,4-Dinitrotoluene	0.449	0.464	-3.3	63	0.00
58		Fluorene	1.394	1.357	2.7	61	0.00
59		2,3,4,6-Tetrachlorophenol	0.366	0.365	0.3	62	0.00
60		Diethylphthalate	1.477	1.453	1.6	62	0.00
61		4-Chlorophenyl-phenylether	0.692	0.673	2.7	62	0.00
62		4-Nitroaniline	0.361	0.363	-0.6	60	0.00
63		Azobenzene	1.269	1.228	3.2	61	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	63	0.00
65		4,6-Dinitro-2-methylphenol	0.118	0.126	-6.8	64	0.01
66	c	n-Nitrosodiphenylamine	0.530	0.534	-0.8	61	0.00
67		4-Bromophenyl-phenylether	0.210	0.215	-2.4	63	0.00
68		Hexachlorobenzene	0.276	0.283	-2.5	63	0.00
69		Atrazine	0.163	0.168	-3.1	57	0.00
70	C	Pentachlorophenol	0.159	0.167	-5.0	61	0.00
71		Phenanthrene	0.958	0.959	-0.1	61	0.00
72		Anthracene	0.935	0.954	-2.0	61	0.00
73		Carbazole	0.957	0.955	0.2	60	0.00
74		Di-n-butylphthalate	1.053	1.162	-10.4	64	0.00
75	C	Fluoranthene	1.163	1.186	-2.0	62	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	62	0.00
77		Benzidine	0.254	0.305	-20.1	55	0.00
78		Pyrene	1.100	1.154	-4.9	61	0.00
79	S	Terphenyl-d14	0.869	0.859	1.2	64	0.00
80		Butylbenzylphthalate	0.482	0.516	-7.1	63	0.00
81		Benzo(a)anthracene	1.124	1.162	-3.4	62	0.00
82		3,3'-Dichlorobenzidine	0.440	0.461	-4.8	60	0.00
83		Chrysene	1.087	1.095	-0.7	61	0.00
84		Bis(2-ethylhexyl)phthalate	0.641	0.746	-16.4	67	0.00
85	c	Di-n-octyl phthalate	1.051	1.236	-17.6	68	0.00
86	I	Perylene-d12	1.000	1.000	0.0	65	0.01
87		Indeno(1,2,3-cd)pyrene	1.338	1.355	-1.3	63	0.02
88		Benzo(b)fluoranthene	1.042	1.060	-1.7	62	0.00
89		Benzo(k)fluoranthene	0.974	0.991	-1.7	63	0.00
90	C	Benzo(a)pyrene	0.912	0.933	-2.3	62	0.01
91		Dibenzo(a,h)anthracene	1.106	1.127	-1.9	62	0.02
92		Benzo(g,h,i)perylene	1.140	1.151	-1.0	63	0.02

Sample Results: **BE101453.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110424\
Data File : BE101453.D
Acq On : 4 Nov 2024 12:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
LabSampleId :
SSTDCCC040

Quant Time: Nov 04 12:30:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

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

Sample Results: **BE101453.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110424\
Data File : BE101453.D
Acq On : 4 Nov 2024 12:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
LabSampleId :
SSTDCCC040

Quant Time: Nov 04 12:30:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
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	72	0.00
2		1,4-Dioxane	40.000	38.388	4.0	70	0.00
3		Pyridine	40.000	39.675	0.8	72	-0.01
4		n-Nitrosodimethylamine	40.000	40.735	-1.8	71	0.00
5	S	2-Fluorophenol	80.000	80.037	-0.0	71	0.00
6		Aniline	40.000	41.197	-3.0	67	0.00
7	S	Phenol-d6	80.000	79.508	0.6	69	0.00
8		2-Chlorophenol	40.000	39.045	2.4	68	0.00
9		Benzaldehyde	40.000	45.045	-12.6	77	0.00
10	C	Phenol	40.000	40.220	-0.5	68	0.00
11		bis(2-Chloroethyl)ether	40.000	37.811	5.5	65	0.00
12		1,3-Dichlorobenzene	40.000	38.742	3.1	69	0.00
13	C	1,4-Dichlorobenzene	40.000	38.628	3.4	69	0.00
14		1,2-Dichlorobenzene	40.000	38.576	3.6	69	0.00
15		Benzyl Alcohol	40.000	41.090	-2.7	66	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.325	6.7	66	0.00
17		2-Methylphenol	40.000	39.276	1.8	67	0.00
18		Hexachloroethane	40.000	40.349	-0.9	72	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.558	-1.4	66	0.00
20		3+4-Methylphenols	40.000	39.196	2.0	67	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	68	0.00
22		Acetophenone	40.000	39.552	1.1	64	0.00
23	S	Nitrobenzene-d5	80.000	80.759	-0.9	66	0.00
24		Nitrobenzene	40.000	39.673	0.8	65	0.00
25		Isophorone	40.000	40.807	-2.0	65	0.00
26	C	2-Nitrophenol	40.000	43.696	-9.2	69	0.00
27		2,4-Dimethylphenol	40.000	40.044	-0.1	66	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.951	0.1	66	0.00
29	C	2,4-Dichlorophenol	40.000	40.593	-1.5	67	0.00
30		1,2,4-Trichlorobenzene	40.000	39.737	0.7	67	0.00
31		Naphthalene	40.000	38.838	2.9	65	0.00
32		Benzoic acid	40.000	35.605	11.0	61	0.03
33		4-Chloroaniline	40.000	41.461	-3.7	63	0.00
34	C	Hexachlorobutadiene	40.000	40.821	-2.1	69	0.00
35		Caprolactam	40.000	40.180	-0.4	63	0.02
36	C	4-Chloro-3-methylphenol	40.000	39.420	1.4	64	0.00
37		2-Methylnaphthalene	40.000	38.561	3.6	64	0.00
38		1-Methylnaphthalene	40.000	38.494	3.8	64	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	65	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.998	-2.5	65	0.00
41	P	Hexachlorocyclopentadiene	40.000	42.479	-6.2	65	0.00
42	S	2,4,6-Tribromophenol	80.000	81.182	-1.5	63	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.930	-4.8	64	0.00
44		2,4,5-Trichlorophenol	40.000	41.299	-3.2	64	0.00
45	S	2-Fluorobiphenyl	80.000	81.688	-2.1	64	0.00
46		1,1'-Biphenyl	40.000	40.070	-0.2	64	0.00
47		2-Chloronaphthalene	40.000	39.986	0.0	64	0.00

Sample Results: **BE101453.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110424\
Data File : BE101453.D
Acq On : 4 Nov 2024 12:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
LabSampleId :
SSTDCCC040

Quant Time: Nov 04 12:30:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
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	42.819	-7.0	64	0.00
49		Acenaphthylene	40.000	40.561	-1.4	63	0.00
50		Dimethylphthalate	40.000	39.325	1.7	62	0.00
51		2,6-Dinitrotoluene	40.000	40.332	-0.8	62	0.00
52	C	Acenaphthene	40.000	38.982	2.5	62	0.00
53		3-Nitroaniline	40.000	41.735	-4.3	62	0.00
54	P	2,4-Dinitrophenol	40.000	37.986	5.0	63	0.00
55		Dibenzofuran	40.000	39.096	2.3	63	0.00
56	P	4-Nitrophenol	40.000	38.650	3.4	60	0.00
57		2,4-Dinitrotoluene	40.000	41.405	-3.5	63	0.00
58		Fluorene	40.000	38.941	2.6	61	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.860	0.4	62	0.00
60		Diethylphthalate	40.000	39.358	1.6	62	0.00
61		4-Chlorophenyl-phenylether	40.000	38.915	2.7	62	0.00
62		4-Nitroaniline	40.000	40.245	-0.6	60	0.00
63		Azobenzene	40.000	38.694	3.3	61	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	63	0.00
65		4,6-Dinitro-2-methylphenol	40.000	42.818	-7.0	64	0.01
66	c	n-Nitrosodiphenylamine	40.000	40.309	-0.8	61	0.00
67		4-Bromophenyl-phenylether	40.000	40.796	-2.0	63	0.00
68		Hexachlorobenzene	40.000	41.068	-2.7	63	0.00
69		Atrazine	40.000	41.344	-3.4	57	0.00
70	C	Pentachlorophenol	40.000	42.041	-5.1	61	0.00
71		Phenanthrene	40.000	40.047	-0.1	61	0.00
72		Anthracene	40.000	40.821	-2.1	61	0.00
73		Carbazole	40.000	39.933	0.2	60	0.00
74		Di-n-butylphthalate	40.000	44.128	-10.3	64	0.00
75	C	Fluoranthene	40.000	40.779	-1.9	62	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	62	0.00
77		Benzidine	40.000	48.031	-20.1	55	0.00
78		Pyrene	40.000	41.975	-4.9	61	0.00
79	S	Terphenyl-d14	80.000	79.092	1.1	64	0.00
80		Butylbenzylphthalate	40.000	42.779	-6.9	63	0.00
81		Benzo(a)anthracene	40.000	41.354	-3.4	62	0.00
82		3,3'-Dichlorobenzidine	40.000	41.885	-4.7	60	0.00
83		Chrysene	40.000	40.300	-0.7	61	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	46.566	-16.4	67	0.00
85	c	Di-n-octyl phthalate	40.000	47.023	-17.6	68	0.00
86	I	Perylene-d12	20.000	20.000	0.0	65	0.01
87		Indeno(1,2,3-cd)pyrene	40.000	40.490	-1.2	63	0.02
88		Benzo(b)fluoranthene	40.000	40.673	-1.7	62	0.00
89		Benzo(k)fluoranthene	40.000	40.690	-1.7	63	0.00
90	C	Benzo(a)pyrene	40.000	40.925	-2.3	62	0.01
91		Dibenzo(a,h)anthracene	40.000	40.752	-1.9	62	0.02
92		Benzo(g,h,i)perylene	40.000	40.385	-1.0	63	0.02

Sample Results: **BE101453.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110424\
Data File : BE101453.D
Acq On : 4 Nov 2024 12:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
LabSampleId :
SSTDCCC040

Quant Time: Nov 04 12:30:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

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

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

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG No.: P4675

Instrument ID: BNA_E Calibration Date/Time: 11/05/2024 10:48

Lab File ID: BE101472.D Init. Calib. Date(s): 10/28/2024 10/28/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:44 16:01

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.141	1.115		-2.3	
Phenol-d6	1.582	1.603		1.3	
Nitrobenzene-d5	0.318	0.318		0.0	
Naphthalene	1.019	0.995		-2.4	
2-Fluorobiphenyl	1.181	1.226		3.8	
Fluorene	1.394	1.383		-0.8	
2,4,6-Tribromophenol	0.351	0.367		4.6	
Phenanthrene	0.958	0.954		-0.4	
Anthracene	0.935	0.957		2.4	
Pyrene	1.100	1.178		7.1	
Terphenyl-d14	0.869	0.916		5.4	
Benzo(a)anthracene	1.124	1.184		5.3	
Chrysene	1.087	1.113		2.4	
Benzo(b)fluoranthene	1.042	1.045		0.3	
Benzo(a)pyrene	0.912	0.931		2.1	20.0
Indeno(1,2,3-cd)pyrene	1.338	1.358		1.5	
Benzo(g,h,i)perylene	1.140	1.136		-0.4	

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BE101472.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
Data File : BE101472.D
Acq On : 5 Nov 2024 10:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

Quant Time: Nov 05 10:28:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.570	152	77150	20.000	ng	0.00
21) Naphthalene-d8	10.338	136	373279	20.000	ng	0.00
39) Acenaphthene-d10	14.180	164	260925	20.000	ng	0.00
64) Phenanthrene-d10	16.918	188	585617	20.000	ng	0.00
76) Chrysene-d12	21.084	240	614200	20.000	ng	0.00
86) Perylene-d12	23.369	264	775519	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.314	112	344113	78.174	ng	0.00
7) Phenol-d6	6.947	99	494705	81.051	ng	0.00
23) Nitrobenzene-d5	8.781	82	474932	79.914	ng	0.00
42) 2,4,6-Tribromophenol	15.690	330	383174	83.787	ng	0.00
45) 2-Fluorobiphenyl	12.805	172	1279718	83.060	ng	0.00
79) Terphenyl-d14	19.515	244	2250472	84.331	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.199	88	61867	37.683	ng	99
3) Pyridine	3.622	79	186825	40.221	ng	98
4) n-Nitrosodimethylamine	3.546	42	72962	40.598	ng	94
6) Aniline	7.006	93	227908	48.722	ng	96
8) 2-Chlorophenol	7.212	128	208109	39.418	ng	98
9) Benzaldehyde	6.777	77	130254	44.207	ng	99
10) Phenol	6.977	94	269843	40.746	ng	99
11) bis(2-Chloroethyl)ether	7.036	93	185608	34.164	ng	99
12) 1,3-Dichlorobenzene	7.453	146	219789	38.607	ng	99
13) 1,4-Dichlorobenzene	7.606	146	223939	38.520	ng	99
14) 1,2-Dichlorobenzene	7.935	146	220261	38.706	ng	99
15) Benzyl Alcohol	7.911	79	156663	43.060	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.076	45	270602	39.579	ng	98
17) 2-Methylphenol	8.152	107	176733	39.430	ng	99
18) Hexachloroethane	8.628	117	76412	40.249	ng	94
19) n-Nitroso-di-n-propyla...	8.375	70	175744	43.390	ng	99
20) 3+4-Methylphenols	8.493	107	247639	40.025	ng	98
22) Acetophenone	8.422	105	336271	39.675	ng	99
24) Nitrobenzene	8.822	77	250053	39.531	ng	100
25) Isophorone	9.274	82	483076	41.654	ng	100
26) 2-Nitrophenol	9.509	139	134191	43.893	ng	98
27) 2,4-Dimethylphenol	9.627	122	155091	40.314	ng	99
28) bis(2-Chloroethoxy)met...	9.774	93	287162	40.830	ng	99
29) 2,4-Dichlorophenol	10.061	162	215522	40.495	ng	99
30) 1,2,4-Trichlorobenzene	10.185	180	230644	39.781	ng	100
31) Naphthalene	10.385	128	743094	39.065	ng	100
32) Benzoic acid	9.915	122	119243	33.189	ng	98
33) 4-Chloroaniline	10.608	127	273397	41.333	ng	99
34) Hexachlorobutadiene	10.631	225	141785	41.314	ng	99
35) Caprolactam	11.407	113	83142m	40.753	ng	
36) 4-Chloro-3-methylphenol	11.789	107	240905	39.754	ng	100
37) 2-Methylnaphthalene	11.977	142	535943	39.108	ng	99
38) 1-Methylnaphthalene	12.206	142	531939	38.892	ng	100
40) 1,2,4,5-Tetrachloroben...	12.335	216	267941	40.906	ng	100
41) Hexachlorocyclopentadiene	12.318	237	89193	41.231	ng	98
43) 2,4,6-Trichlorophenol	12.658	196	189082	41.873	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
Data File : BE101472.D
Acq On : 5 Nov 2024 10:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 10:28:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.758	196	214267	41.436	ng	100
46) 1,1'-Biphenyl	13.011	154	719171	40.230	ng	99
47) 2-Chloronaphthalene	13.058	162	561999	39.792	ng	99
48) 2-Nitroaniline	13.387	65	160965	42.350	ng	99
49) Acenaphthylene	13.916	152	850256	40.709	ng	99
50) Dimethylphthalate	13.687	163	746816	40.548	ng	100
51) 2,6-Dinitrotoluene	13.822	165	173456	40.792	ng	100
52) Acenaphthene	14.245	154	539156	39.533	ng	99
53) 3-Nitroaniline	14.233	138	176518	41.747	ng	99
54) 2,4-Dinitrophenol	14.374	184	108588	39.033	ng	100
55) Dibenzofuran	14.586	168	857388	39.443	ng	99
56) 4-Nitrophenol	14.656	139	150354	38.830	ng	98
57) 2,4-Dinitrotoluene	14.609	165	244727	41.804	ng	99
58) Fluorene	15.226	166	721491	39.676	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.856	232	193641	40.530	ng	98
60) Diethylphthalate	15.015	149	789944	41.005	ng	99
61) 4-Chlorophenyl-phenyle...	15.208	204	366807	40.650	ng	98
62) 4-Nitroaniline	15.426	138	191683	40.740	ng	96
63) Azobenzene	15.508	77	658339	39.757	ng	99
65) 4,6-Dinitro-2-methylph...	15.355	198	147385	42.830	ng	99
66) n-Nitrosodiphenylamine	15.461	169	629377	40.527	ng	99
67) 4-Bromophenyl-phenylether	16.096	248	257627	41.821	ng	98
68) Hexachlorobenzene	16.207	284	333572	41.311	ng	97
69) Atrazine	16.395	200	188721	39.638	ng	100
70) Pentachlorophenol	16.613	266	197070	42.400	ng	99
71) Phenanthrene	16.965	178	1116968	39.837	ng	98
72) Anthracene	17.047	178	1120473	40.926	ng	98
73) Carbazole	17.376	167	1120912	40.014	ng	98
74) Di-n-butylphthalate	17.823	149	1409575	45.707	ng	98
75) Fluoranthene	18.969	202	1395682	40.983	ng	96
77) Benzidine	19.221	184	444726	57.051	ng	99
78) Pyrene	19.333	202	1446478	42.825	ng	97
80) Butylbenzylphthalate	20.185	149	645498	43.594	ng	97
81) Benzo(a)anthracene	21.060	228	1454343	42.128	ng	97
82) 3,3'-Dichlorobenzidine	21.037	252	572037	42.300	ng	99
83) Chrysene	21.119	228	1367485	40.970	ng	95
84) Bis(2-ethylhexyl)phtha...	20.884	149	941187	47.848	ng	99
85) Di-n-octyl phthalate	21.730	149	1558570	48.275	ng	99
87) Indeno(1,2,3-cd)pyrene	25.708	276	2106716	40.591	ng	99
88) Benzo(b)fluoranthene	22.664	252	1620773	40.103	ng	97
89) Benzo(k)fluoranthene	22.705	252	1583153	41.929	ng	98
90) Benzo(a)pyrene	23.264	252	1443312	40.835	ng	99
91) Dibenzo(a,h)anthracene	25.702	278	1751736	40.846	ng	99
92) Benzo(g,h,i)perylene	26.460	276	1762435	39.885	ng	99

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

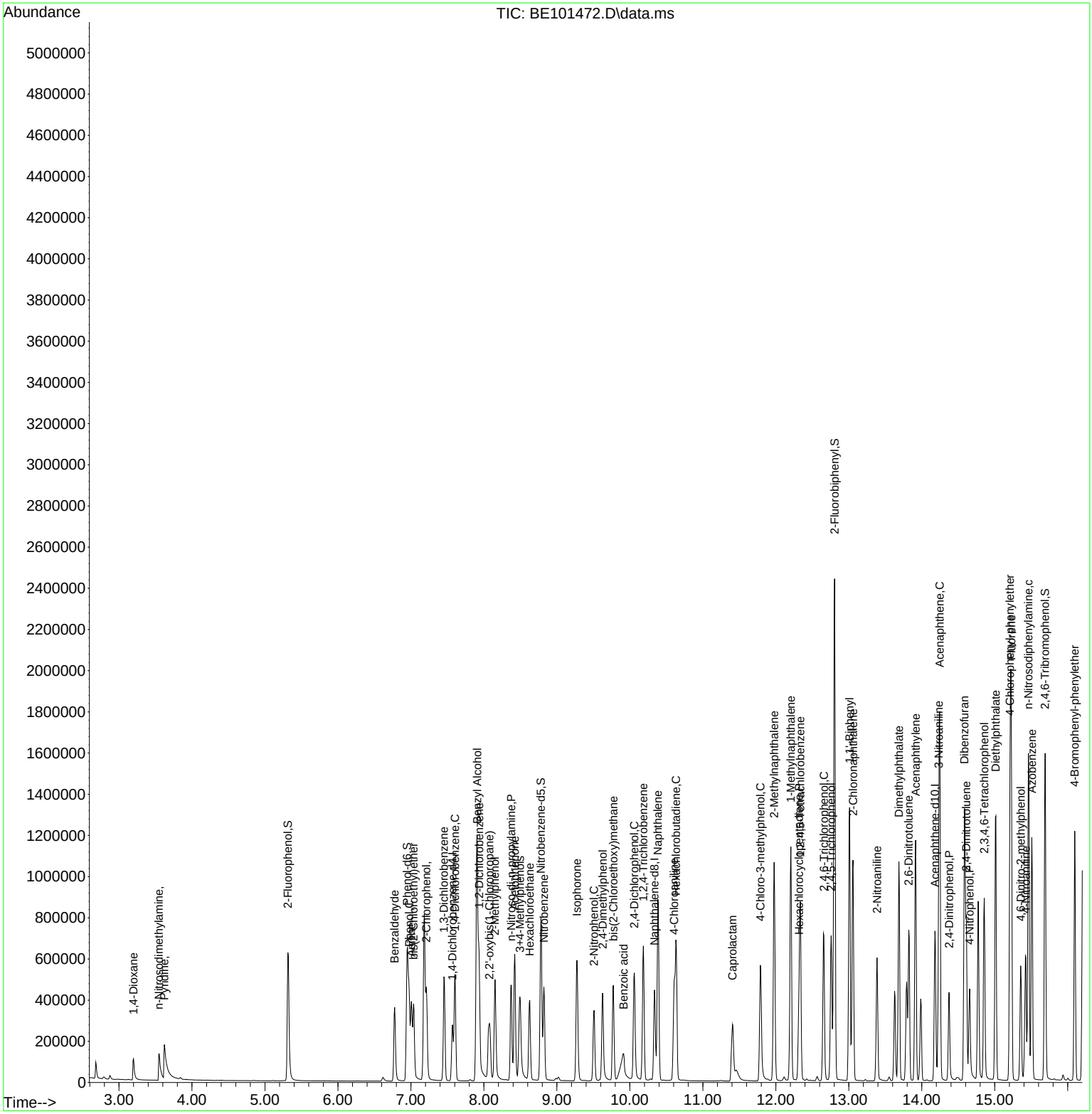
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
Data File : BE101472.D
Acq On : 5 Nov 2024 10:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 10:28:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



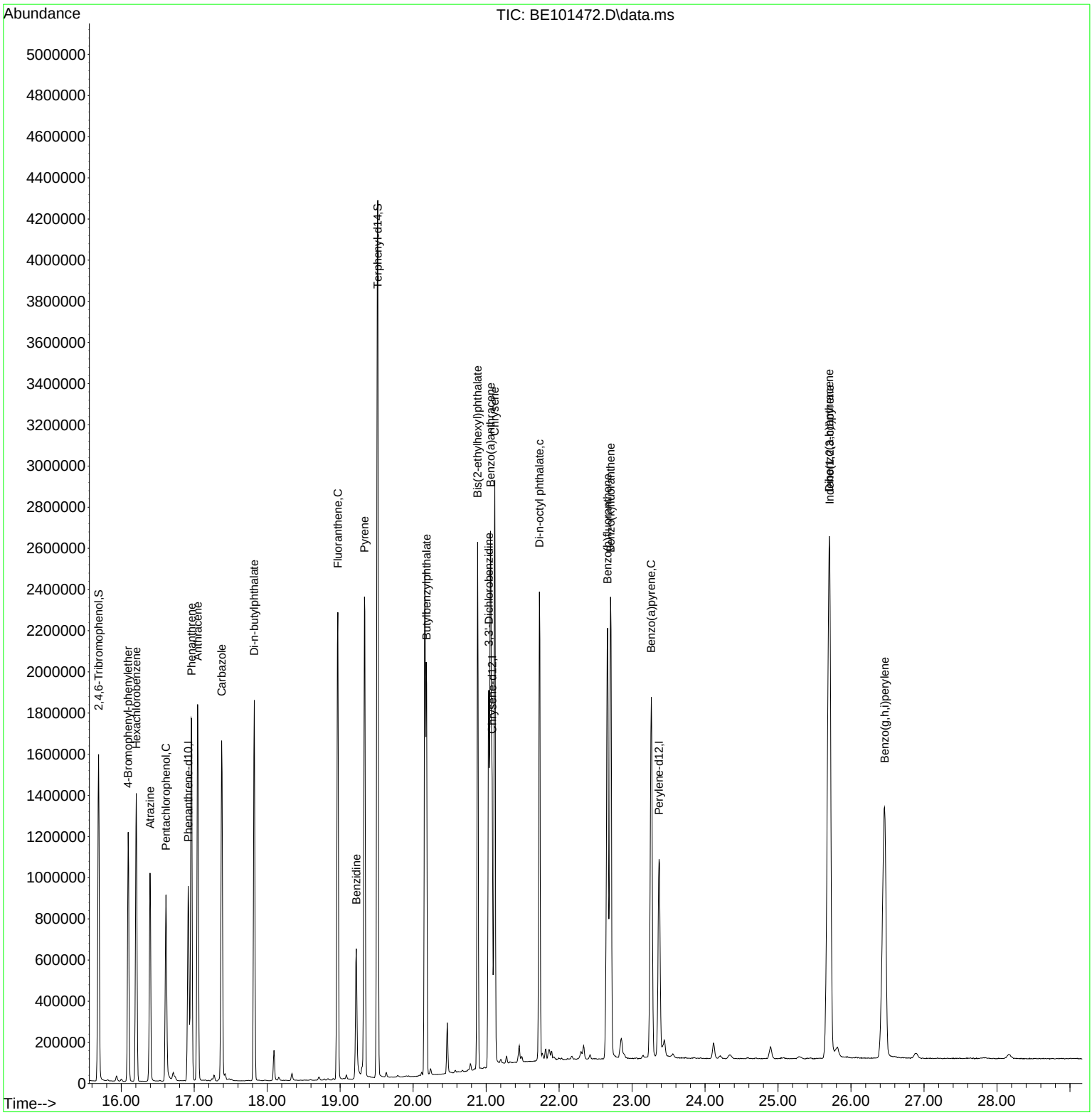
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
Data File : BE101472.D
Acq On : 5 Nov 2024 10:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 10:28:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



Sample Results: **BE101472.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
Data File : BE101472.D
Acq On : 5 Nov 2024 10:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
LabSampleId :
SSTDCCC040

Quant Time: Nov 05 10:28:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
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	55	0.00
2		1,4-Dioxane	0.426	0.401	5.9	52	0.00
3		Pyridine	1.204	1.211	-0.6	55	-0.02
4		n-Nitrosodimethylamine	0.466	0.473	-1.5	54	-0.01
5	S	2-Fluorophenol	1.141	1.115	2.3	53	0.00
6		Aniline	1.213	1.477	-21.8	60	0.00
7	S	Phenol-d6	1.582	1.603	-1.3	54	0.00
8		2-Chlorophenol	1.369	1.349	1.5	53	0.00
9		Benzaldehyde	0.764	0.844	-10.5	57	0.00
10	C	Phenol	1.717	1.749	-1.9	52	0.00
11		bis(2-Chloroethyl)ether	1.408	1.203	14.6	45#	0.00
12		1,3-Dichlorobenzene	1.476	1.424	3.5	52	0.00
13	C	1,4-Dichlorobenzene	1.507	1.451	3.7	53	0.00
14		1,2-Dichlorobenzene	1.475	1.427	3.3	52	0.00
15		Benzyl Alcohol	0.943	1.015	-7.6	52	0.00
16		2,2'-oxybis(1-Chloropropane	1.772	1.754	1.0	54	0.00
17		2-Methylphenol	1.162	1.145	1.5	52	0.00
18		Hexachloroethane	0.492	0.495	-0.6	55	0.00
19	P	n-Nitroso-di-n-propylamine	1.050	1.139	-8.5	54	0.00
20		3+4-Methylphenols	1.604	1.605	-0.1	52	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	55	0.00
22		Acetophenone	0.454	0.450	0.9	51	0.00
23	S	Nitrobenzene-d5	0.318	0.318	0.0	52	0.00
24		Nitrobenzene	0.339	0.335	1.2	52	0.00
25		Isophorone	0.621	0.647	-4.2	53	0.00
26	C	2-Nitrophenol	0.164	0.180	-9.8	55	0.00
27		2,4-Dimethylphenol	0.206	0.208	-1.0	53	0.00
28		bis(2-Chloroethoxy)methane	0.377	0.385	-2.1	54	0.00
29	C	2,4-Dichlorophenol	0.285	0.289	-1.4	53	0.00
30		1,2,4-Trichlorobenzene	0.311	0.309	0.6	54	0.00
31		Naphthalene	1.019	0.995	2.4	52	0.00
32		Benzoic acid	0.182	0.160	12.1	45#	0.02
33		4-Chloroaniline	0.354	0.366	-3.4	51	0.00
34	C	Hexachlorobutadiene	0.184	0.190	-3.3	56	0.00
35		Caprolactam	0.109	0.111	-1.8	51	0.01
36	C	4-Chloro-3-methylphenol	0.325	0.323	0.6	52	0.00
37		2-Methylnaphthalene	0.734	0.718	2.2	52	0.00
38		1-Methylnaphthalene	0.733	0.713	2.7	52	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	53	0.00
40		1,2,4,5-Tetrachlorobenzene	0.502	0.513	-2.2	53	0.00
41	P	Hexachlorocyclopentadiene	0.166	0.171	-3.0	51	0.00
42	S	2,4,6-Tribromophenol	0.351	0.367	-4.6	53	0.00
43	C	2,4,6-Trichlorophenol	0.346	0.362	-4.6	52	0.00
44		2,4,5-Trichlorophenol	0.396	0.411	-3.8	53	0.00
45	S	2-Fluorobiphenyl	1.181	1.226	-3.8	53	0.00
46		1,1'-Biphenyl	1.370	1.378	-0.6	52	0.00
47		2-Chloronaphthalene	1.083	1.077	0.6	52	0.00

Sample Results: **BE101472.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
Data File : BE101472.D
Acq On : 5 Nov 2024 10:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
LabSampleId :
SSTDCCC040

Quant Time: Nov 05 10:28:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
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	0.291	0.308	-5.8	52	0.00
49		Acenaphthylene	1.601	1.629	-1.7	52	0.00
50		Dimethylphthalate	1.412	1.431	-1.3	53	0.00
51		2,6-Dinitrotoluene	0.326	0.332	-1.8	51	0.00
52	C	Acenaphthene	1.045	1.033	1.1	51	0.00
53		3-Nitroaniline	0.324	0.338	-4.3	51	0.00
54	P	2,4-Dinitrophenol	0.198	0.208	-5.1	53	0.00
55		Dibenzofuran	1.666	1.643	1.4	52	0.00
56	P	4-Nitrophenol	0.297	0.288	3.0	49#	0.00
57		2,4-Dinitrotoluene	0.449	0.469	-4.5	52	0.00
58		Fluorene	1.394	1.383	0.8	51	0.00
59		2,3,4,6-Tetrachlorophenol	0.366	0.371	-1.4	52	0.00
60		Diethylphthalate	1.477	1.514	-2.5	53	0.00
61		4-Chlorophenyl-phenylether	0.692	0.703	-1.6	53	0.00
62		4-Nitroaniline	0.361	0.367	-1.7	50	0.00
63		Azobenzene	1.269	1.262	0.6	51	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	52	0.00
65		4,6-Dinitro-2-methylphenol	0.118	0.126	-6.8	53	0.00
66	c	n-Nitrosodiphenylamine	0.530	0.537	-1.3	51	0.00
67		4-Bromophenyl-phenylether	0.210	0.220	-4.8	54	0.00
68		Hexachlorobenzene	0.276	0.285	-3.3	53	0.00
69		Atrazine	0.163	0.161	1.2	46#	0.00
70	C	Pentachlorophenol	0.159	0.168	-5.7	51	0.00
71		Phenanthrene	0.958	0.954	0.4	50	0.00
72		Anthracene	0.935	0.957	-2.4	51	0.00
73		Carbazole	0.957	0.957	0.0	50	0.00
74		Di-n-butylphthalate	1.053	1.203	-14.2	55	0.00
75	C	Fluoranthene	1.163	1.192	-2.5	52	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	51	0.00
77		Benzidine	0.254	0.362	-42.5#	53	0.00
78		Pyrene	1.100	1.178	-7.1	51	0.00
79	S	Terphenyl-d14	0.869	0.916	-5.4	55	0.00
80		Butylbenzylphthalate	0.482	0.525	-8.9	52	0.00
81		Benzo(a)anthracene	1.124	1.184	-5.3	51	0.00
82		3,3'-Dichlorobenzidine	0.440	0.466	-5.9	49#	0.00
83		Chrysene	1.087	1.113	-2.4	51	0.00
84		Bis(2-ethylhexyl)phthalate	0.641	0.766	-19.5	56	0.00
85	c	Di-n-octyl phthalate	1.051	1.269	-20.7#	56	0.00
86	I	Perylene-d12	1.000	1.000	0.0	51	0.00
87		Indeno(1,2,3-cd)pyrene	1.338	1.358	-1.5	50	0.01
88		Benzo(b)fluoranthene	1.042	1.045	-0.3	48#	0.00
89		Benzo(k)fluoranthene	0.974	1.021	-4.8	52	0.00
90	C	Benzo(a)pyrene	0.912	0.931	-2.1	50#	0.00
91		Dibenzo(a,h)anthracene	1.106	1.129	-2.1	50#	0.01
92		Benzo(g,h,i)perylene	1.140	1.136	0.4	50#	0.02

Sample Results: **BE101472.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
Data File : BE101472.D
Acq On : 5 Nov 2024 10:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
LabSampleId :
SSTDCCC040

Quant Time: Nov 05 10:28:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
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 = 1

Sample Results: **BE101472.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
Data File : BE101472.D
Acq On : 5 Nov 2024 10:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
LabSampleId :
SSTDCCC040

Quant Time: Nov 05 10:28:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
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	55	0.00
2		1,4-Dioxane	40.000	37.683	5.8	52	0.00
3		Pyridine	40.000	40.221	-0.6	55	-0.02
4		n-Nitrosodimethylamine	40.000	40.598	-1.5	54	-0.01
5	S	2-Fluorophenol	80.000	78.174	2.3	53	0.00
6		Aniline	40.000	48.722	-21.8	60	0.00
7	S	Phenol-d6	80.000	81.051	-1.3	54	0.00
8		2-Chlorophenol	40.000	39.418	1.5	53	0.00
9		Benzaldehyde	40.000	44.207	-10.5	57	0.00
10	C	Phenol	40.000	40.746	-1.9	52	0.00
11		bis(2-Chloroethyl)ether	40.000	34.164	14.6	45	0.00
12		1,3-Dichlorobenzene	40.000	38.607	3.5	52	0.00
13	C	1,4-Dichlorobenzene	40.000	38.520	3.7	53	0.00
14		1,2-Dichlorobenzene	40.000	38.706	3.2	52	0.00
15		Benzyl Alcohol	40.000	43.060	-7.7	52	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.579	1.1	54	0.00
17		2-Methylphenol	40.000	39.430	1.4	52	0.00
18		Hexachloroethane	40.000	40.249	-0.6	55	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	43.390	-8.5	54	0.00
20		3+4-Methylphenols	40.000	40.025	-0.1	52	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	55	0.00
22		Acetophenone	40.000	39.675	0.8	51	0.00
23	S	Nitrobenzene-d5	80.000	79.914	0.1	52	0.00
24		Nitrobenzene	40.000	39.531	1.2	52	0.00
25		Isophorone	40.000	41.654	-4.1	53	0.00
26	C	2-Nitrophenol	40.000	43.893	-9.7	55	0.00
27		2,4-Dimethylphenol	40.000	40.314	-0.8	53	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.830	-2.1	54	0.00
29	C	2,4-Dichlorophenol	40.000	40.495	-1.2	53	0.00
30		1,2,4-Trichlorobenzene	40.000	39.781	0.5	54	0.00
31		Naphthalene	40.000	39.065	2.3	52	0.00
32		Benzoic acid	40.000	33.189	17.0	45	0.02
33		4-Chloroaniline	40.000	41.333	-3.3	51	0.00
34	C	Hexachlorobutadiene	40.000	41.314	-3.3	56	0.00
35		Caprolactam	40.000	40.753	-1.9	51	0.01
36	C	4-Chloro-3-methylphenol	40.000	39.754	0.6	52	0.00
37		2-Methylnaphthalene	40.000	39.108	2.2	52	0.00
38		1-Methylnaphthalene	40.000	38.892	2.8	52	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	53	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.906	-2.3	53	0.00
41	P	Hexachlorocyclopentadiene	40.000	41.231	-3.1	51	0.00
42	S	2,4,6-Tribromophenol	80.000	83.787	-4.7	53	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.873	-4.7	52	0.00
44		2,4,5-Trichlorophenol	40.000	41.436	-3.6	53	0.00
45	S	2-Fluorobiphenyl	80.000	83.060	-3.8	53	0.00
46		1,1'-Biphenyl	40.000	40.230	-0.6	52	0.00
47		2-Chloronaphthalene	40.000	39.792	0.5	52	0.00

Sample Results: **BE101472.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
Data File : BE101472.D
Acq On : 5 Nov 2024 10:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
LabSampleId :
SSTDCCC040

Quant Time: Nov 05 10:28:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
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	42.350	-5.9	52	0.00
49		Acenaphthylene	40.000	40.709	-1.8	52	0.00
50		Dimethylphthalate	40.000	40.548	-1.4	53	0.00
51		2,6-Dinitrotoluene	40.000	40.792	-2.0	51	0.00
52	C	Acenaphthene	40.000	39.533	1.2	51	0.00
53		3-Nitroaniline	40.000	41.747	-4.4	51	0.00
54	P	2,4-Dinitrophenol	40.000	39.033	2.4	53	0.00
55		Dibenzofuran	40.000	39.443	1.4	52	0.00
56	P	4-Nitrophenol	40.000	38.830	2.9	49	0.00
57		2,4-Dinitrotoluene	40.000	41.804	-4.5	52	0.00
58		Fluorene	40.000	39.676	0.8	51	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.530	-1.3	52	0.00
60		Diethylphthalate	40.000	41.005	-2.5	53	0.00
61		4-Chlorophenyl-phenylether	40.000	40.650	-1.6	53	0.00
62		4-Nitroaniline	40.000	40.740	-1.9	50	0.00
63		Azobenzene	40.000	39.757	0.6	51	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	52	0.00
65		4,6-Dinitro-2-methylphenol	40.000	42.830	-7.1	53	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.527	-1.3	51	0.00
67		4-Bromophenyl-phenylether	40.000	41.821	-4.6	54	0.00
68		Hexachlorobenzene	40.000	41.311	-3.3	53	0.00
69		Atrazine	40.000	39.638	0.9	46	0.00
70	C	Pentachlorophenol	40.000	42.400	-6.0	51	0.00
71		Phenanthrene	40.000	39.837	0.4	50	0.00
72		Anthracene	40.000	40.926	-2.3	51	0.00
73		Carbazole	40.000	40.014	-0.0	50	0.00
74		Di-n-butylphthalate	40.000	45.707	-14.3	55	0.00
75	C	Fluoranthene	40.000	40.983	-2.5	52	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	51	0.00
77		Benzidine	40.000	57.051	-42.6#	53	0.00
78		Pyrene	40.000	42.825	-7.1	51	0.00
79	S	Terphenyl-d14	80.000	84.331	-5.4	55	0.00
80		Butylbenzylphthalate	40.000	43.594	-9.0	52	0.00
81		Benzo(a)anthracene	40.000	42.128	-5.3	51	0.00
82		3,3'-Dichlorobenzidine	40.000	42.300	-5.7	49	0.00
83		Chrysene	40.000	40.970	-2.4	51	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	47.848	-19.6	56	0.00
85	c	Di-n-octyl phthalate	40.000	48.275	-20.7#	56	0.00
86	I	Perylene-d12	20.000	20.000	0.0	51	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	40.591	-1.5	50	0.01
88		Benzo(b)fluoranthene	40.000	40.103	-0.3	48	0.00
89		Benzo(k)fluoranthene	40.000	41.929	-4.8	52	0.00
90	C	Benzo(a)pyrene	40.000	40.835	-2.1	50	0.00
91		Dibenzo(a,h)anthracene	40.000	40.846	-2.1	50	0.01
92		Benzo(g,h,i)perylene	40.000	39.885	0.3	50	0.02

Sample Results: **BE101472.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
Data File : BE101472.D
Acq On : 5 Nov 2024 10:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
LabSampleId :
SSTDCCC040

Quant Time: Nov 05 10:28:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
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 = 1

QC SAMPLE DATA

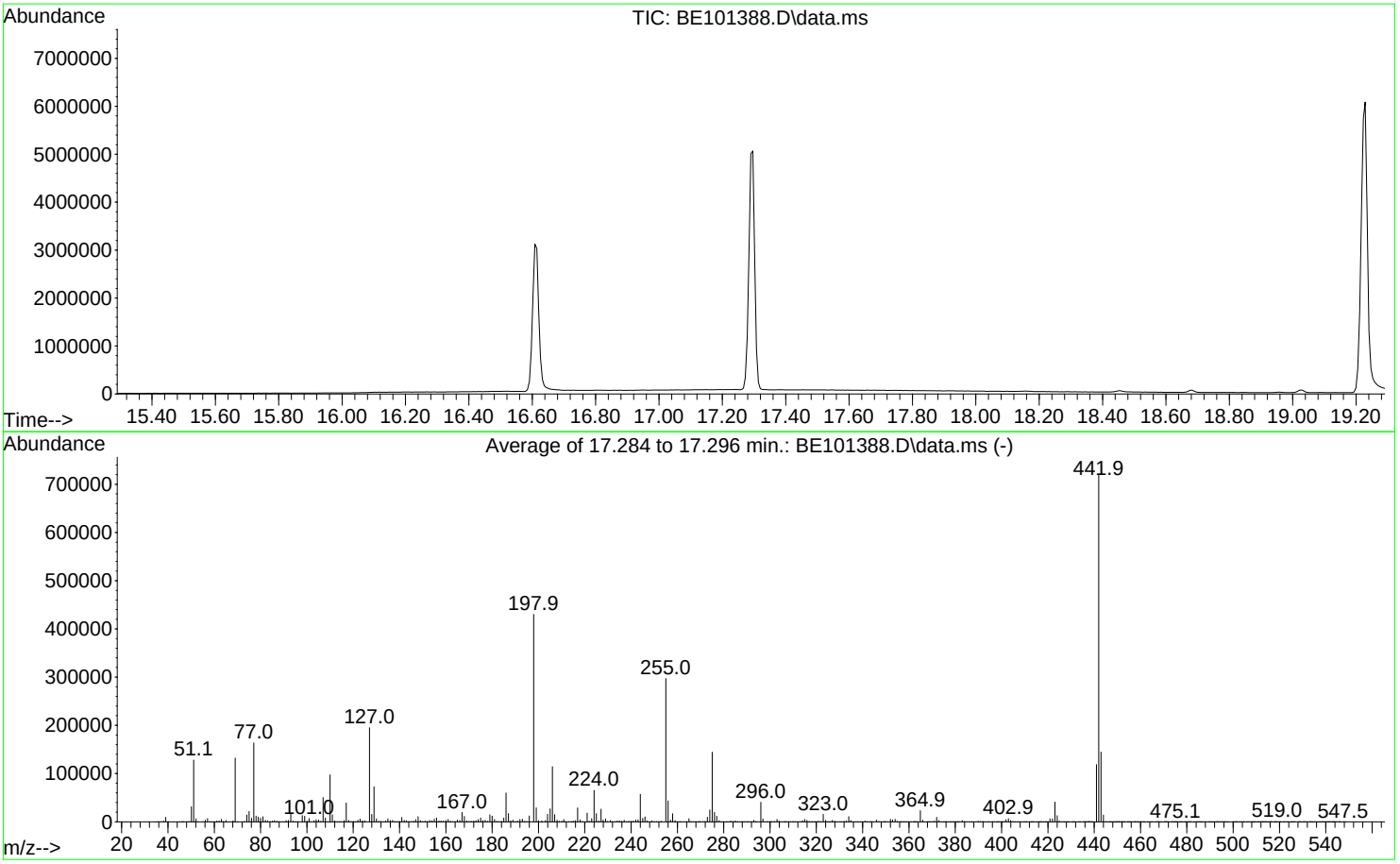
Sample Results: **BE101388.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101388.D
Acq On : 28 Oct 2024 10:51
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Oct 29 01:26:30 2024



AutoFind: Scans 2501, 2502, 2503; Background Corrected with Scan 2494

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	29.8	128023	PASS
68	69	0.00	2	1.5	1984	PASS
69	198	0.00	100	30.7	132146	PASS
70	69	0.00	2	0.1	198	PASS
127	198	10	80	45.4	195155	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	430187	PASS
199	198	5	9	6.7	28884	PASS
275	198	10	60	33.5	144206	PASS
365	198	1	100	5.4	23020	PASS
441	198	0.01	100	27.6	118563	PASS
442	442	50	100	100.0	720425	PASS
443	442	15	24	20.1	144667	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/28/2024	BNA_E	BE101388.D
Compound Name	**Response**	**Retention Time**
DDT	1836699	20.351
DDD	25787	19.916
DDE	1987	19.405
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
27774	1864473	1.49

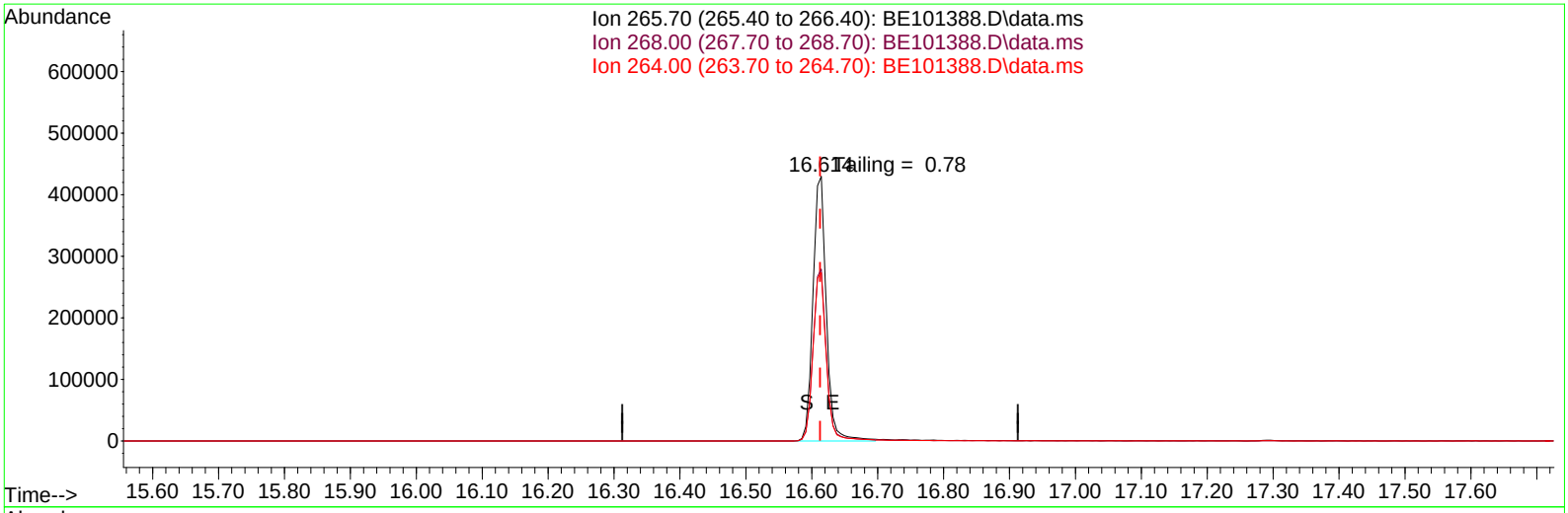
Instrument :
BNA_E
ClientSampleId :
DFTPP

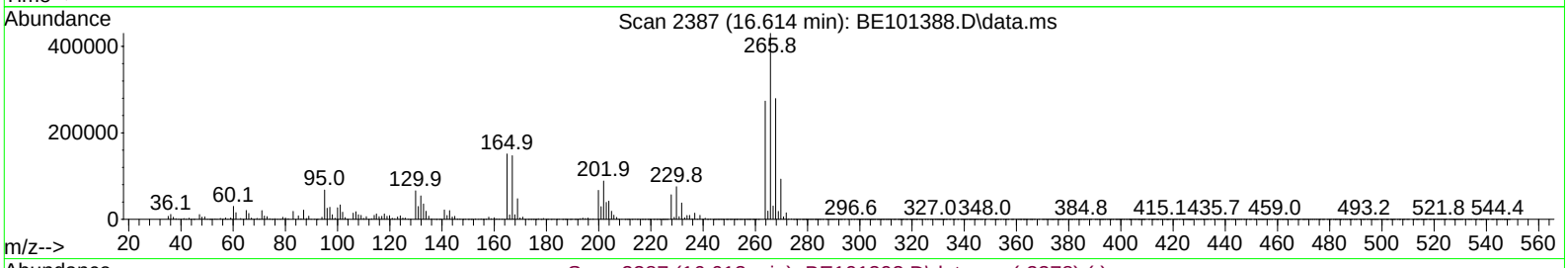
Sample Results: **BE101388.D**

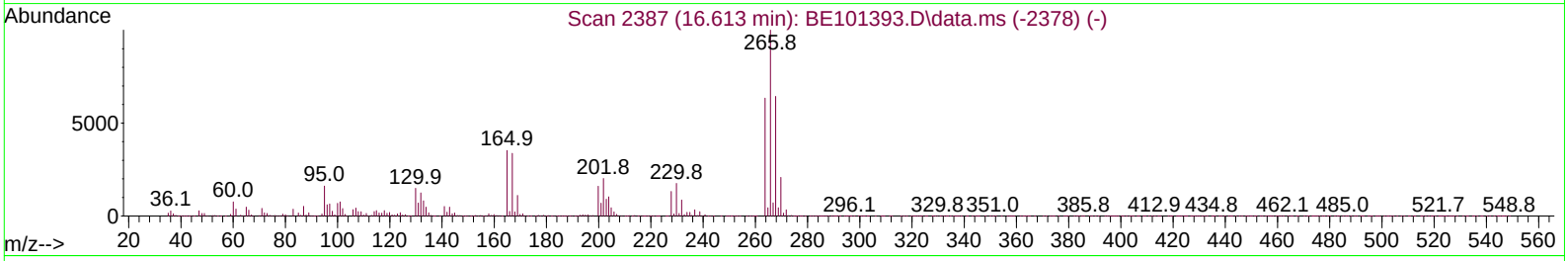
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101388.D
Acq On : 28 Oct 2024 10:51
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DFTPP

Quant Time: Oct 29 01:32:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration







TIC: BE101388.D\data.ms

(70) Pentachlorophenol (C)

16.614min (+ 0.002) 1241130.64 ng

response 610726

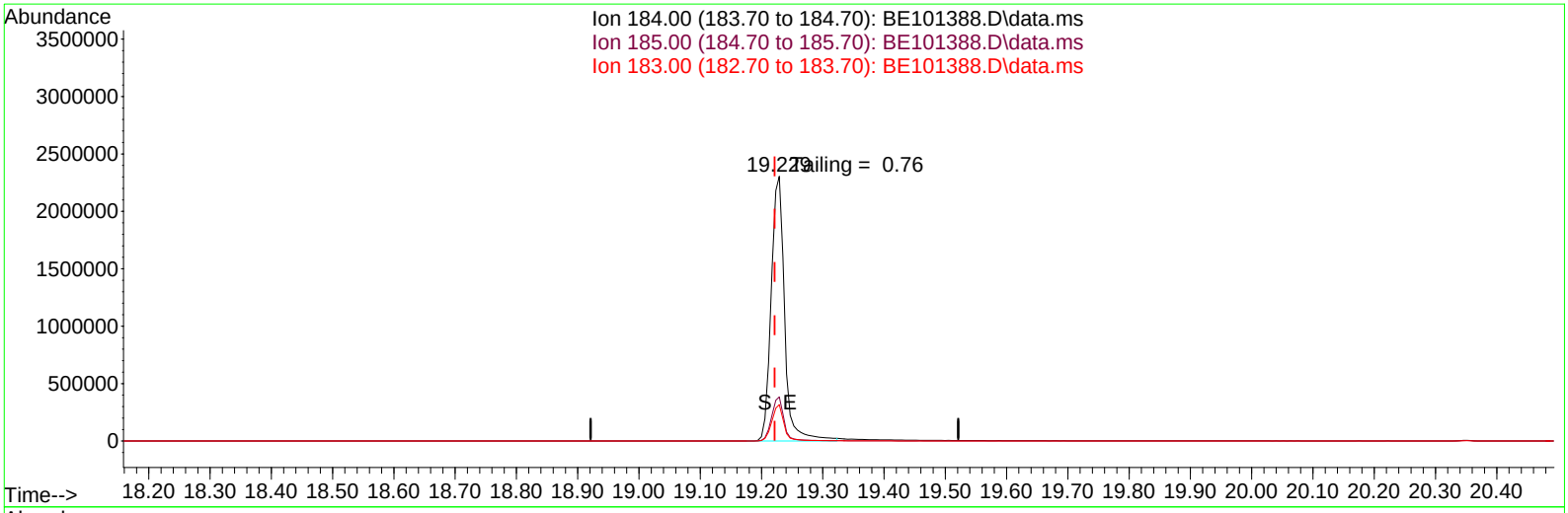
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.40	64.96
264.00	63.40	63.56
0.00	0.00	0.00

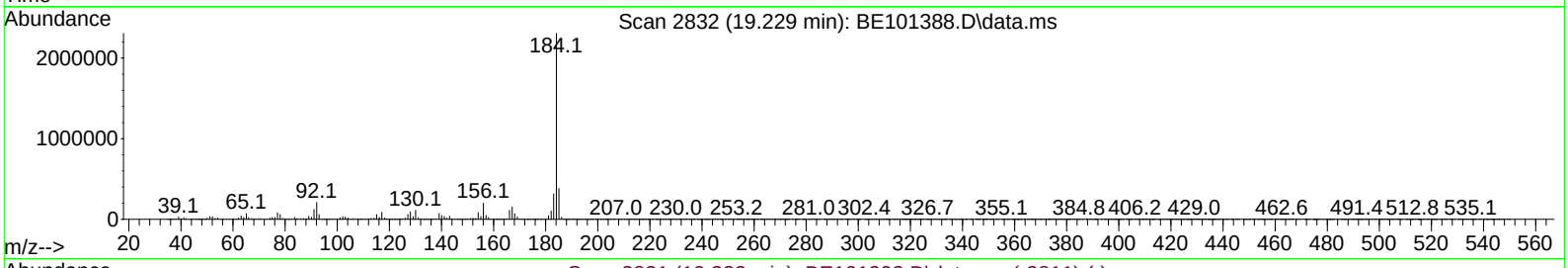
Sample Results: **BE101388.D**

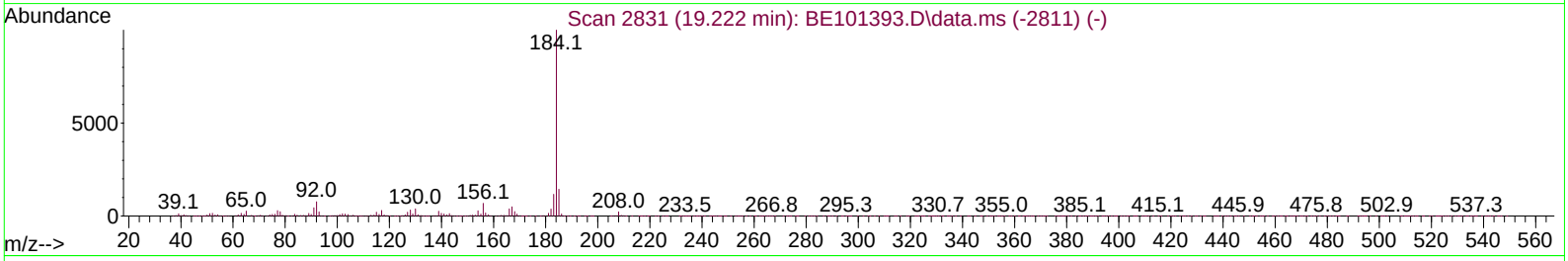
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101388.D
Acq On : 28 Oct 2024 10:51
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DFTPP

Quant Time: Oct 29 01:32:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration







TIC: BE101388.D\data.ms

(77) Benzidine

19.229min (+ 0.008) 277076.80 ng

response 3629102

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	16.64
183.00	11.60	13.72
0.00	0.00	0.00

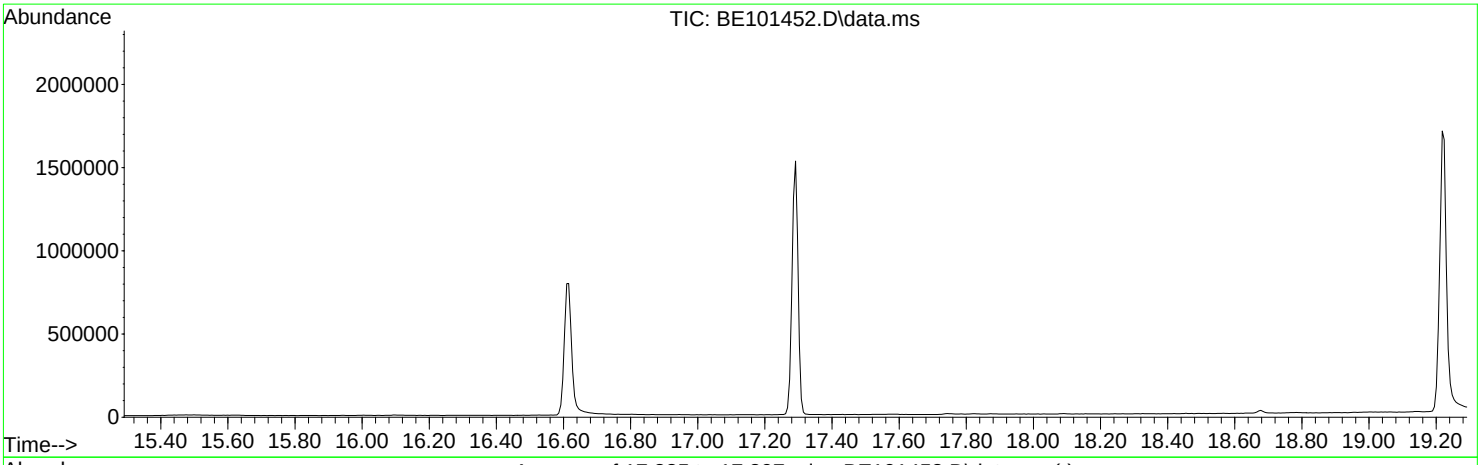
Sample Results: **BE101452.D**

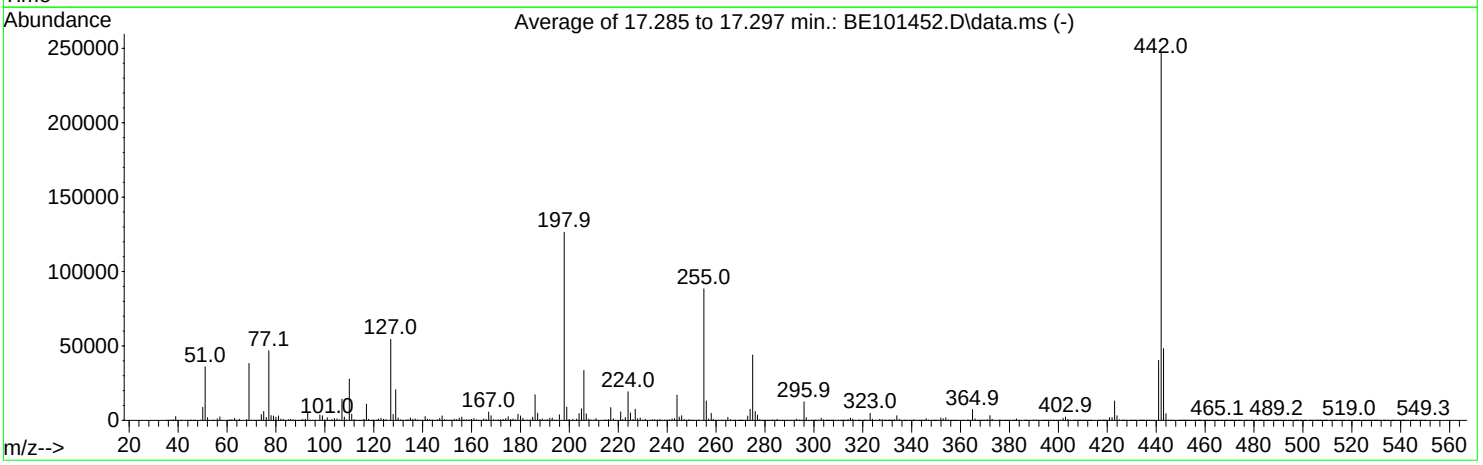
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110424\
Data File : BE101452.D
Acq On : 4 Nov 2024 12:13
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Oct 29 01:26:30 2024





AutoFind: Scans 2501, 2502, 2503; Background Corrected with Scan 2492

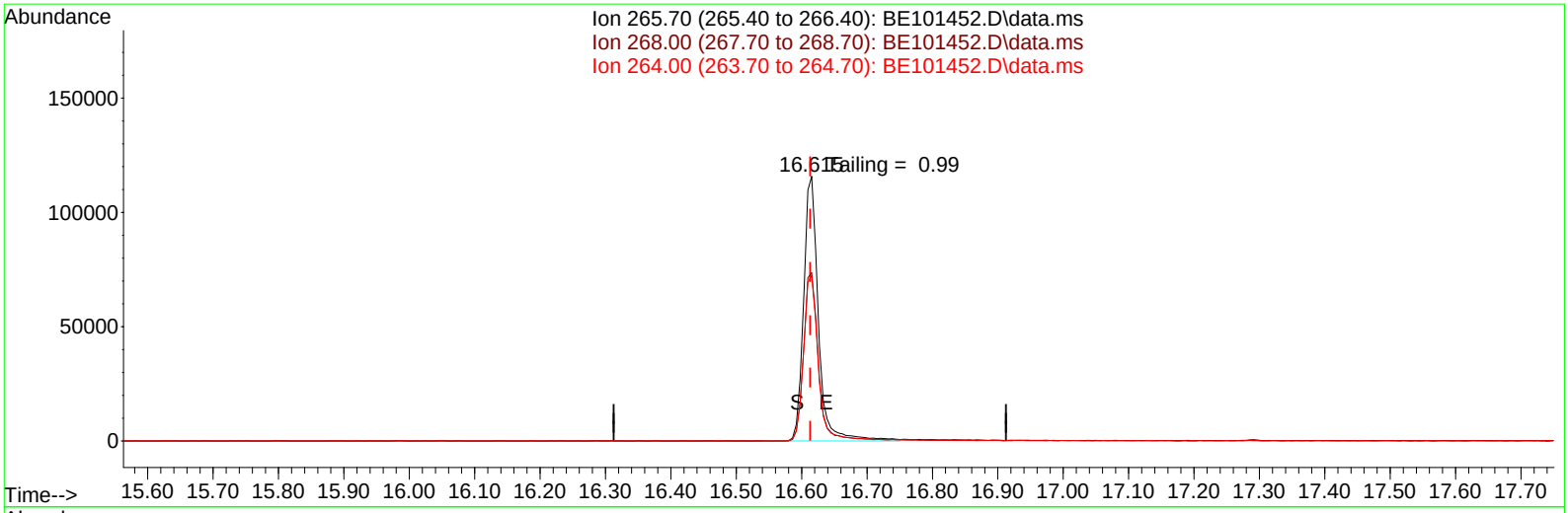
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	28.5	36066	PASS
68	69	0.00	2	1.6	597	PASS
69	198	0.00	100	30.3	38281	PASS
70	69	0.00	2	0.5	179	PASS
127	198	10	80	43.1	54497	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	126472	PASS
199	198	5	9	7.1	8926	PASS
275	198	10	60	34.6	43822	PASS
365	198	1	100	5.8	7315	PASS
441	198	0.01	100	31.9	40331	PASS
442	442	50	100	100.0	247168	PASS
443	442	15	24	19.5	48143	PASS

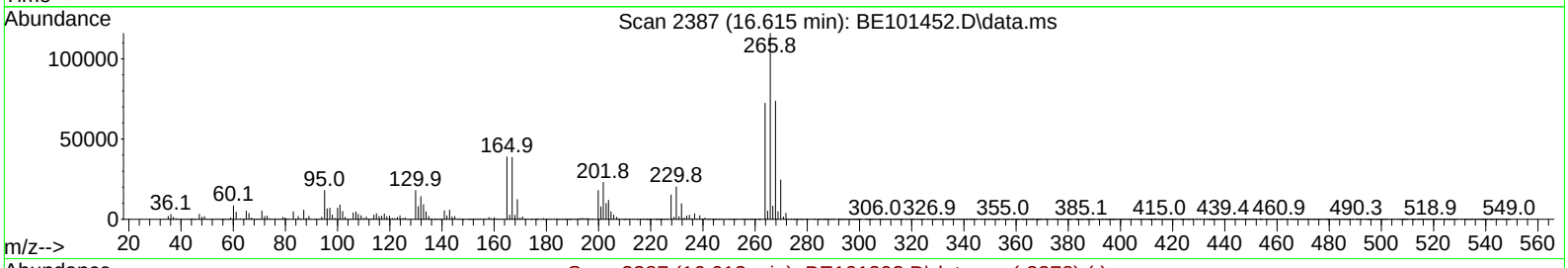
Sample Results: **BE101452.D**

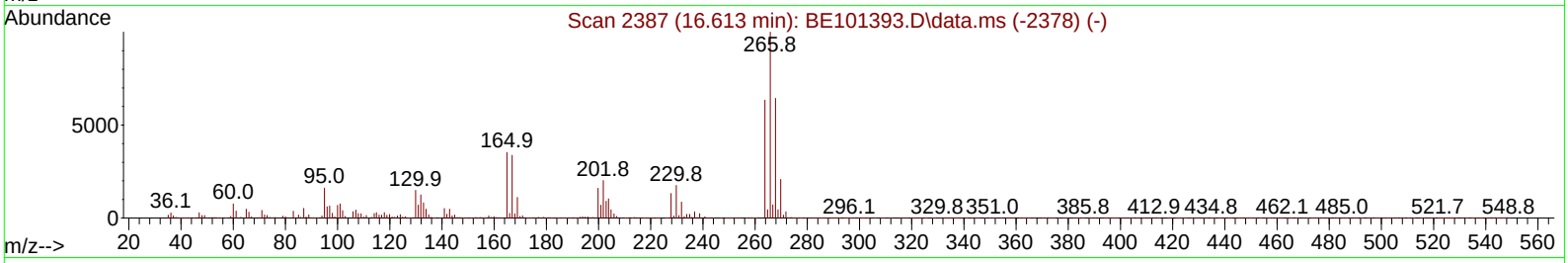
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110424\
Data File : BE101452.D
Acq On : 4 Nov 2024 12:13
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DFTPP

Quant Time: Nov 04 19:28:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration







TIC: BE101452.D\data.ms

(70) Pentachlorophenol (C)

16.615min (+ 0.003) 502373.06 ng

response 175435

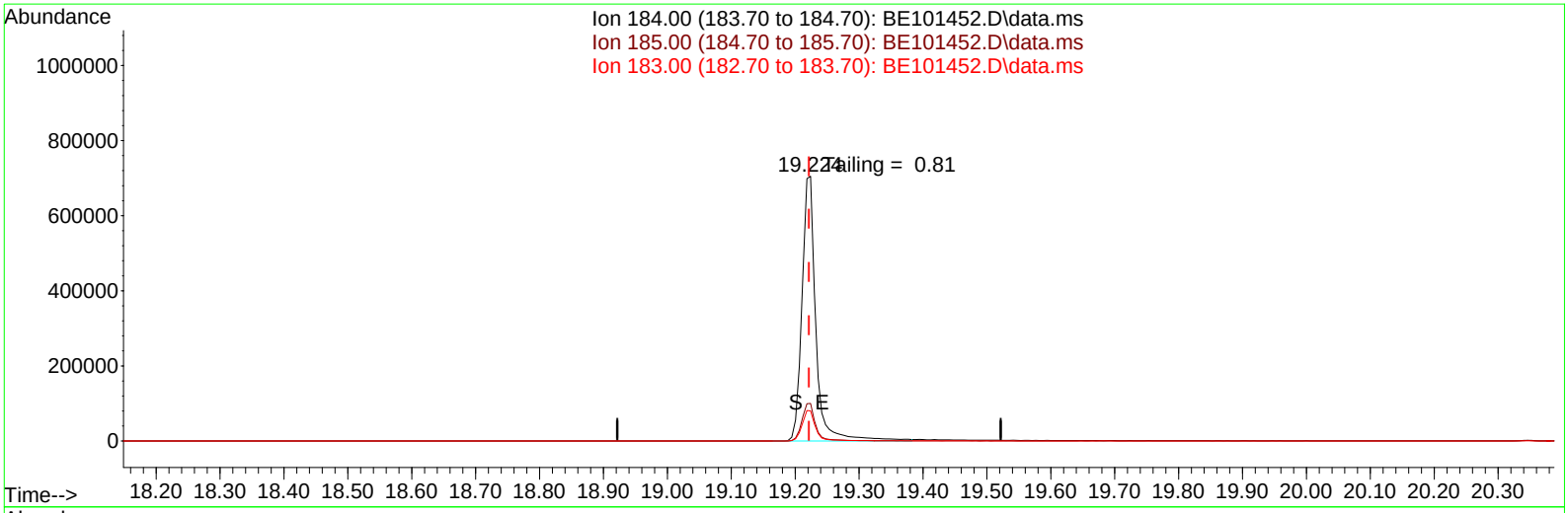
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.40	63.57
264.00	63.40	62.50
0.00	0.00	0.00

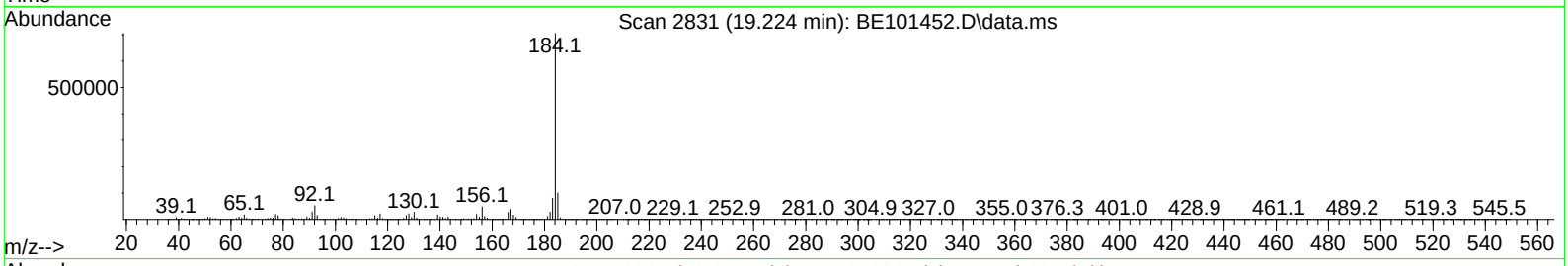
Sample Results: **BE101452.D**

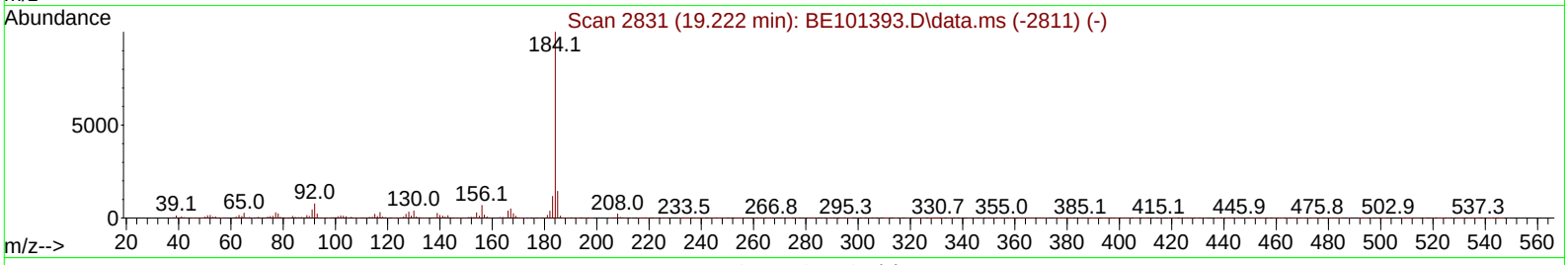
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110424\
Data File : BE101452.D
Acq On : 4 Nov 2024 12:13
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DFTPP

Quant Time: Nov 04 19:28:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration







TIC: BE101452.D\data.ms

(77) Benzidine

19.224min (+ 0.003) 969740.64 ng m

response 1070765

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.19
183.00	11.60	11.43
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/4/2024	BNA_E	BE101452.D
Compound Name	**Response**	**Retention Time**
DDT	539338	20.346
DDD	21084	19.917
DDE	981	19.406
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
22065	561403	3.93

Instrument :
BNA_E
ClientSampleId :
DFTPP

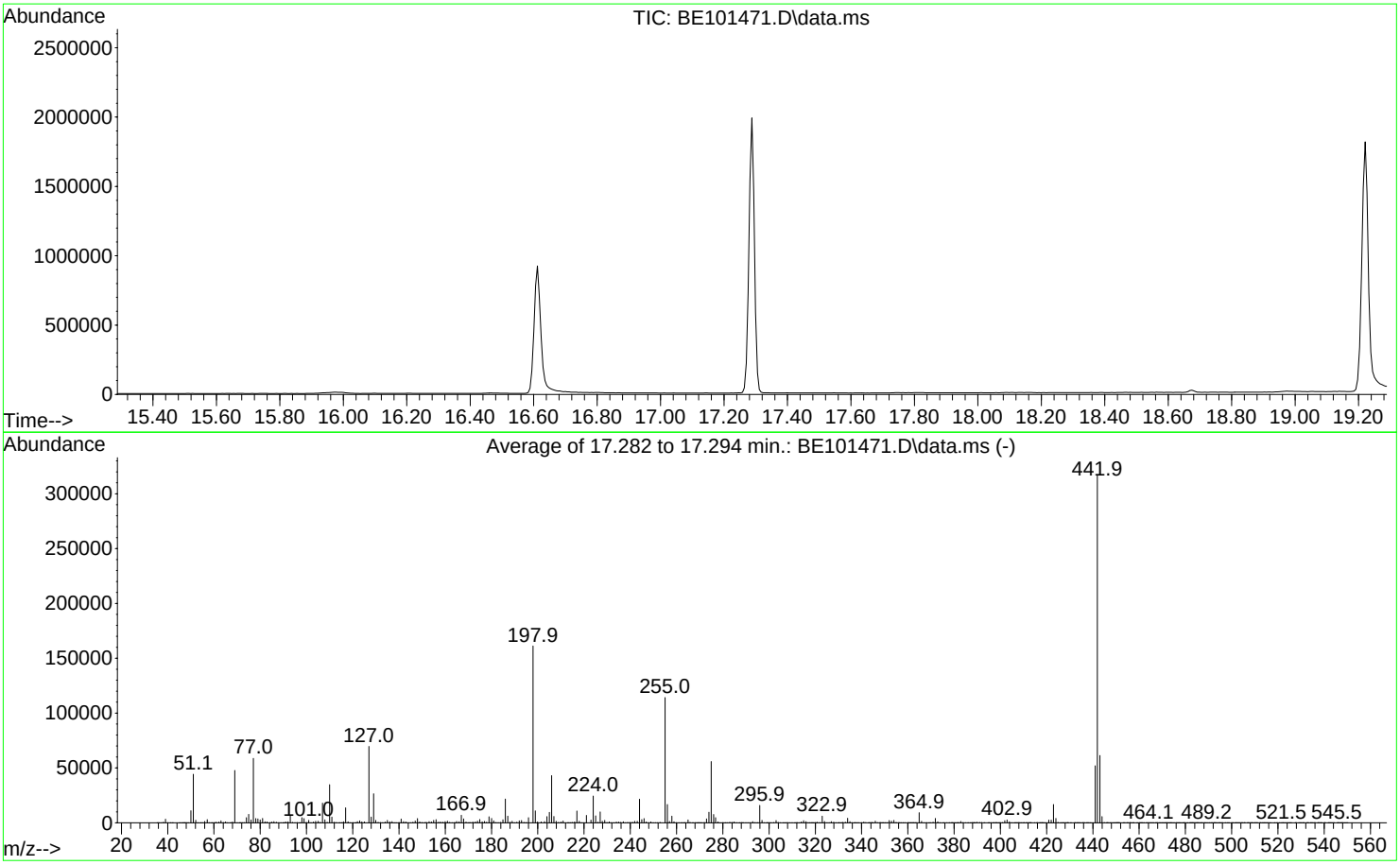
Sample Results: **BE101471.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
Data File : BE101471.D
Acq On : 5 Nov 2024 10:12
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Oct 29 01:26:30 2024



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

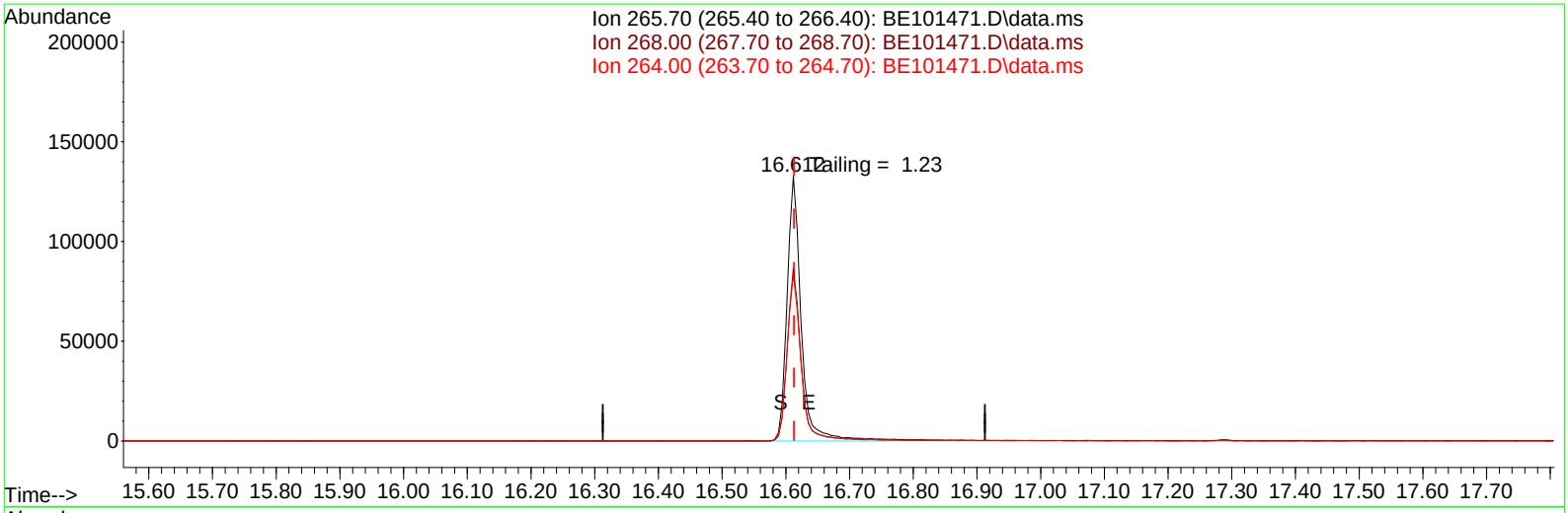
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	27.5	44346	PASS
68	69	0.00	2	1.5	722	PASS
69	198	0.00	100	29.6	47763	PASS
70	69	0.00	2	0.5	219	PASS
127	198	10	80	43.2	69694	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	161185	PASS
199	198	5	9	6.8	10923	PASS
275	198	10	60	34.7	55934	PASS
365	198	1	100	5.7	9265	PASS
441	198	0.01	100	32.3	51997	PASS
442	442	50	100	100.0	317053	PASS
443	442	15	24	19.3	61341	PASS

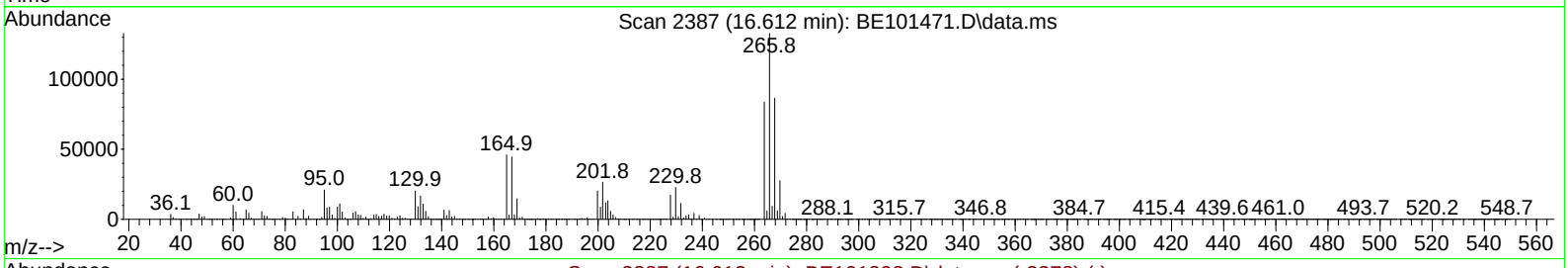
Sample Results: **BE101471.D**

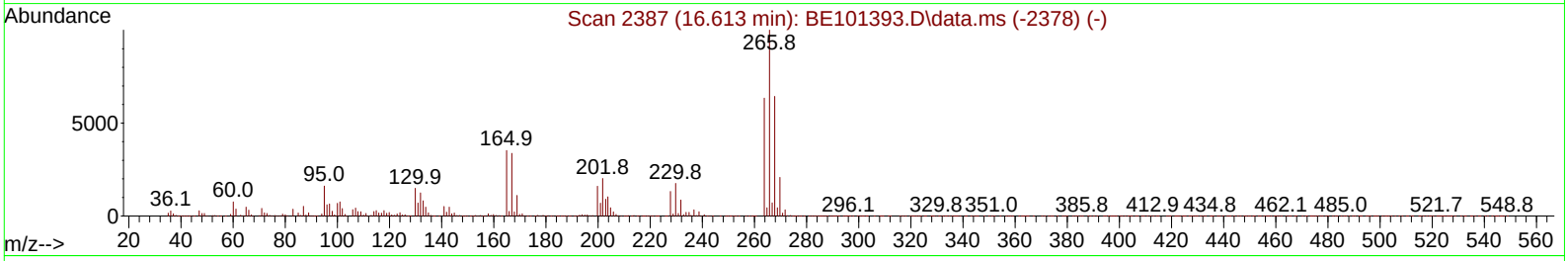
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
Data File : BE101471.D
Acq On : 5 Nov 2024 10:12
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DFTPP

Quant Time: Nov 05 10:41:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration







TIC: BE101471.D\data.ms

(70) Pentachlorophenol (C)

16.612min (-0.001) 1236265.89 ng

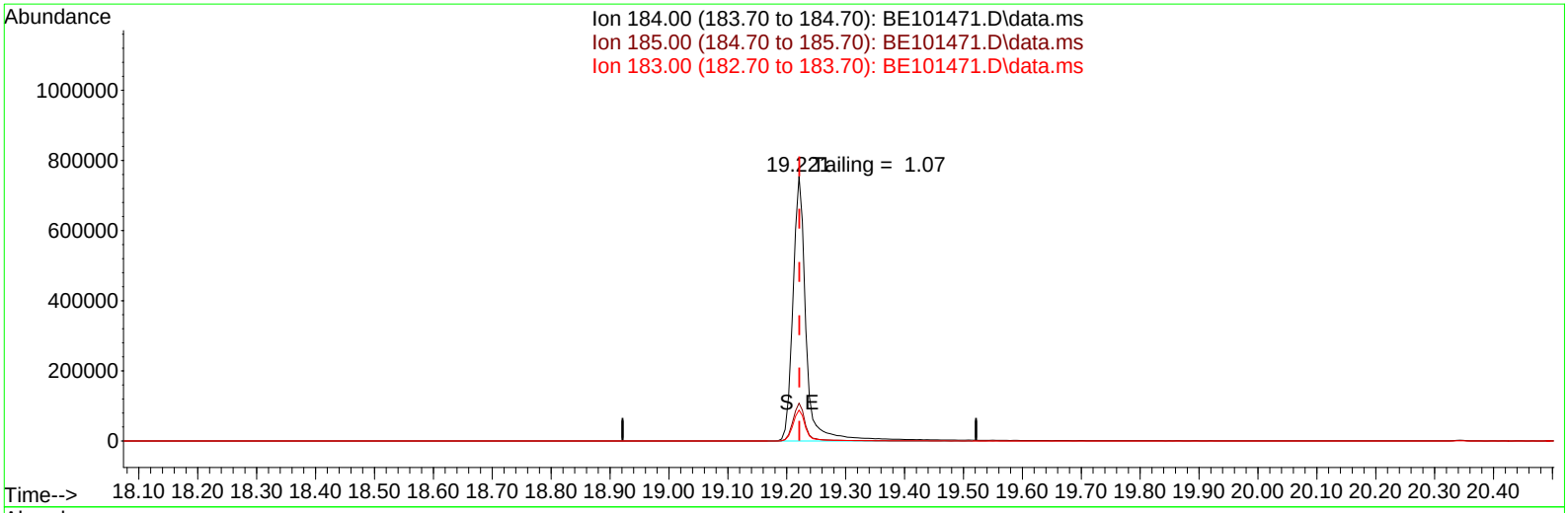
response 206048

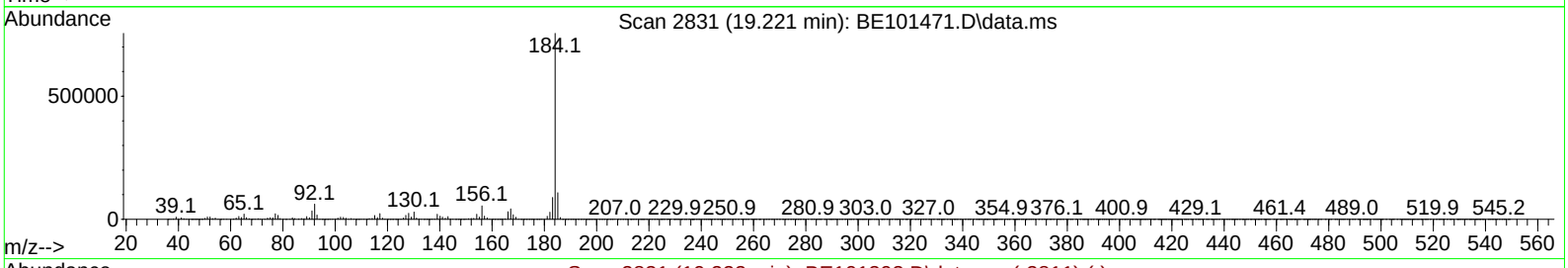
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.40	65.18
264.00	63.40	63.04
0.00	0.00	0.00

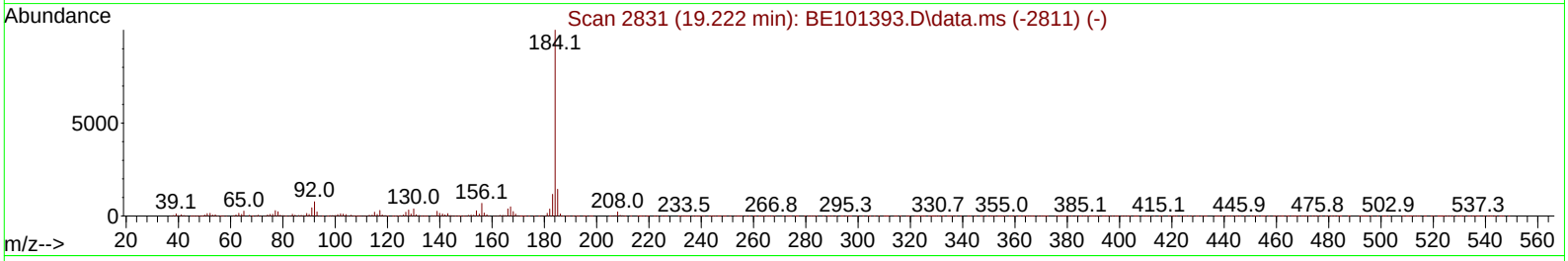
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
Data File : BE101471.D
Acq On : 5 Nov 2024 10:12
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DFTPP

Quant Time: Nov 05 10:41:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration







TIC: BE101471.D\data.ms

(77) Benzidine

19.221min (-0.001) 1366074.03 ng

response 1196307

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.33
183.00	11.60	11.71
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/5/2024	BNA_E	BE101471.D
Compound Name	**Response**	**Retention Time**
DDT	654338	20.343
DDD	17823	19.914
DDE	932	19.403
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
18755	673093	2.79

Instrument :
BNA_E
ClientSampleId :
DFTPP

Raw Data: **BE101473.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:			
Project:	Harrington School			Date Received:			
Client Sample ID:	PB164639BL			SDG No.:	P4675		
Lab Sample ID:	PB164639BL			Matrix:	SOIL		
Analytical Method:	SW8270			% Solid:	100		
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000		uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1		
Extraction Type :			Decanted : N	Level :	LOW		
Injection Volume :			GPC Factor : 1.0	GPC Cleanup :	N	PH :	
Prep Method :	SW3541						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101473.D	1	11/04/24 08:45	11/05/24 11:33	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	82.6	U	82.6	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	170	ug/Kg
85-01-8	Phenanthrene	84.0	U	84.0	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	170	ug/Kg
129-00-0	Pyrene	83.0	U	83.0	170	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	170	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	170	ug/Kg
50-32-8	Benzo(a)pyrene	93.0	U	93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	170	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	91.2		18 - 107	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	97.7		20 - 109	98%	SPK: 100
1718-51-0	Terphenyl-d14	92.8		10 - 105	93%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	69700	7.57			
1146-65-2	Naphthalene-d8	281000	10.337			
15067-26-2	Acenaphthene-d10	181000	14.179			
1517-22-2	Phenanthrene-d10	412000	16.917			
1719-03-5	Chrysene-d12	536000	21.077			
1520-96-3	Perylene-d12	733000	23.369			

Raw Data: **BE101473.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:			
Project:	Harrington School			Date Received:			
Client Sample ID:	PB164639BL			SDG No.:	P4675		
Lab Sample ID:	PB164639BL			Matrix:	SOIL		
Analytical Method:	SW8270			% Solid:	100		
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000		uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1		
Extraction Type :			Decanted : N	Level :	LOW		
Injection Volume :			GPC Factor : 1.0	GPC Cleanup :	N	PH :	
Prep Method :	SW3541						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101473.D	1	11/04/24 08:45	11/05/24 11:33	PB164639

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_E\Data\BE110524\
Data File : BE101473.D
Acq On : 5 Nov 2024 11:33
Operator : RC/JU
Sample : PB164639BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB164639BL

Quant Time: Nov 05 11:18:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

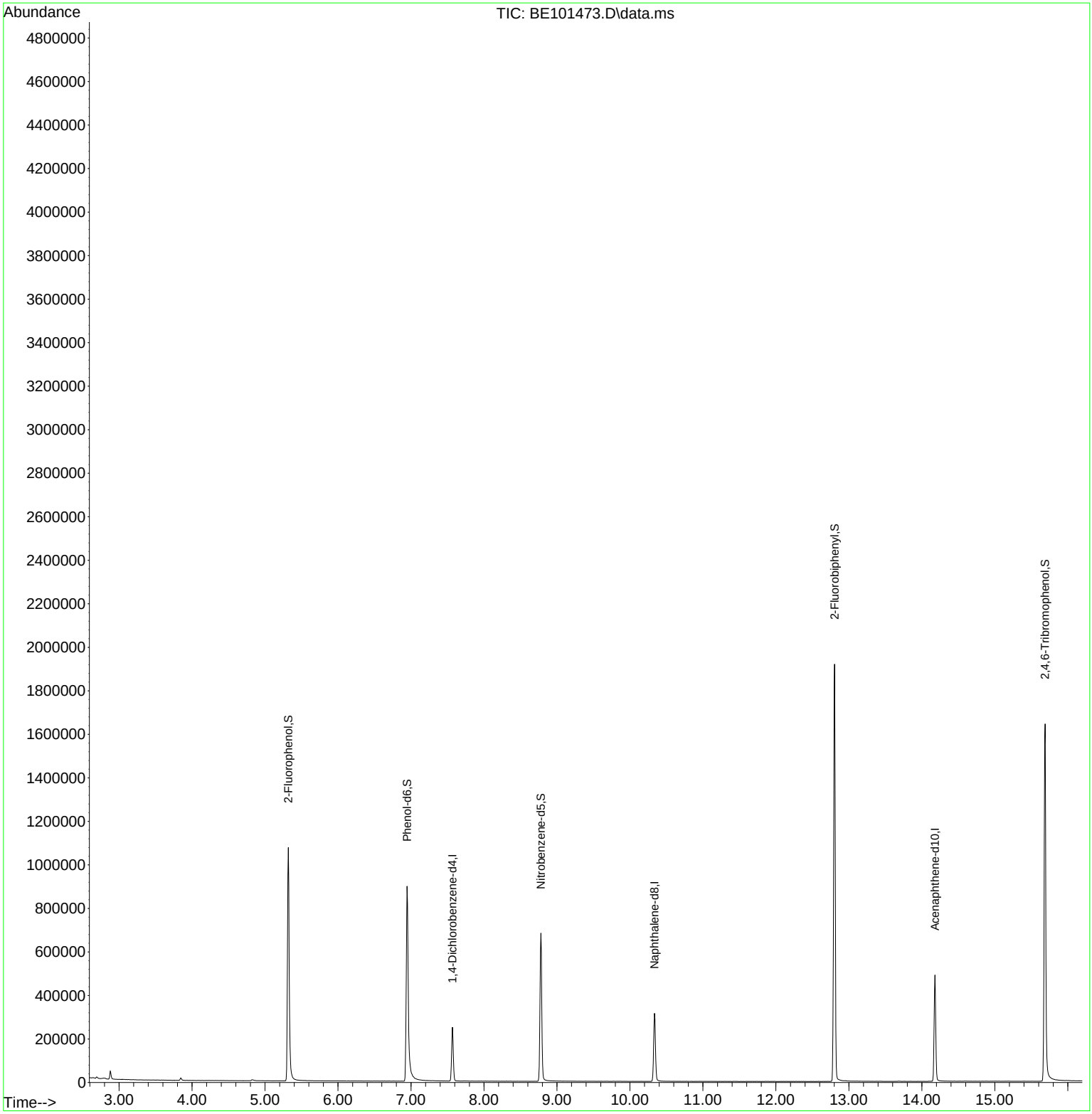
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.570	152	69685	20.000	ng	0.00
21) Naphthalene-d8	10.337	136	281108	20.000	ng	0.00
39) Acenaphthene-d10	14.179	164	180533	20.000	ng	0.00
64) Phenanthrene-d10	16.917	188	412460	20.000	ng	0.00
76) Chrysene-d12	21.077	240	536197	20.000	ng	0.00
86) Perylene-d12	23.369	264	732979	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.319	112	561372	141.192	ng	0.00
7) Phenol-d6	6.947	99	693279	125.752	ng	0.00
23) Nitrobenzene-d5	8.780	82	408173	91.200	ng	0.00
42) 2,4,6-Tribromophenol	15.689	330	450681	142.433	ng	0.00
45) 2-Fluorobiphenyl	12.805	172	1041592	97.709	ng	0.00
79) Terphenyl-d14	19.514	244	2161061	92.761	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
Data File : BE101473.D
Acq On : 5 Nov 2024 11:33
Operator : RC/JU
Sample : PB164639BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB164639BL

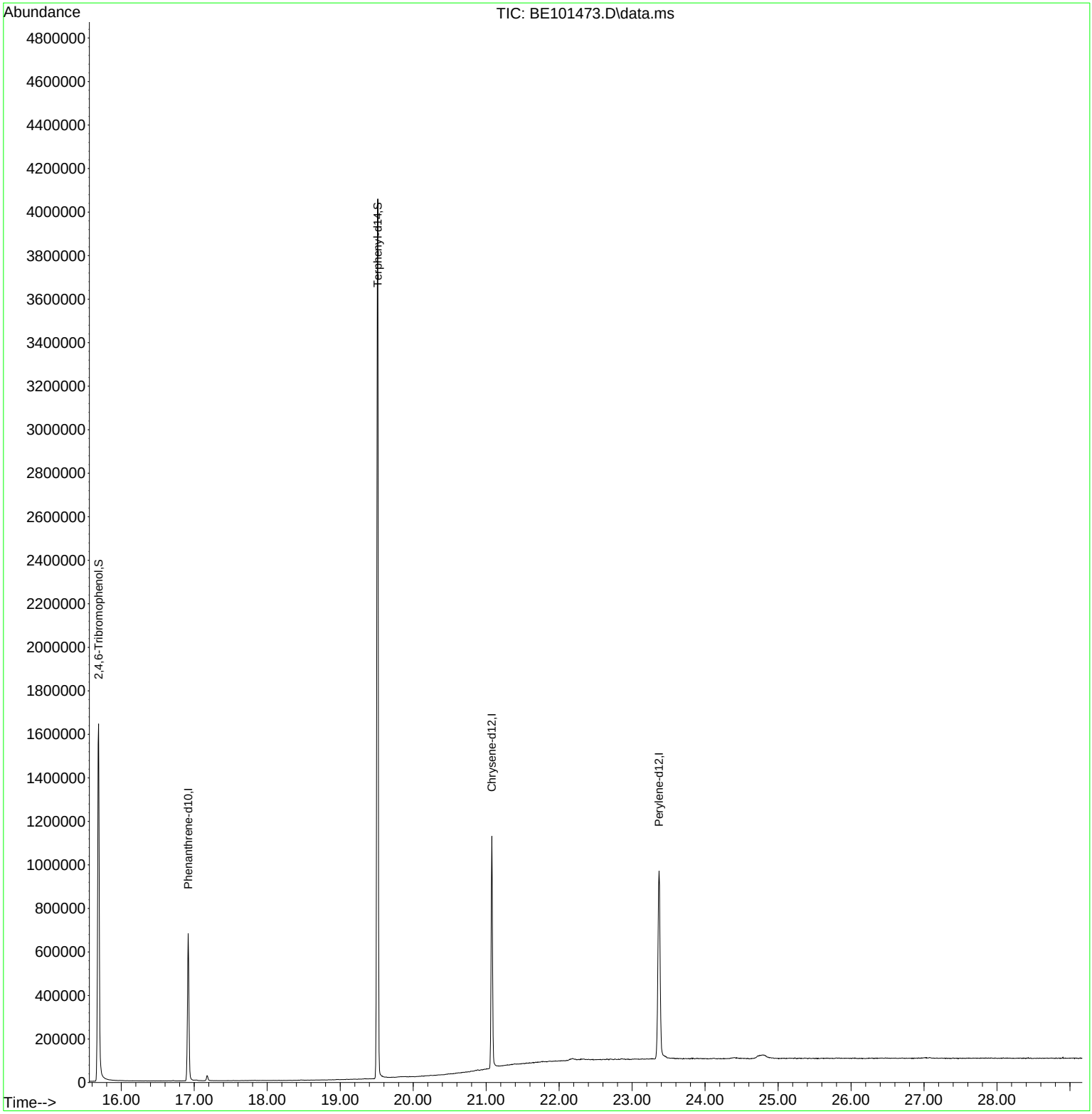
Quant Time: Nov 05 11:18:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

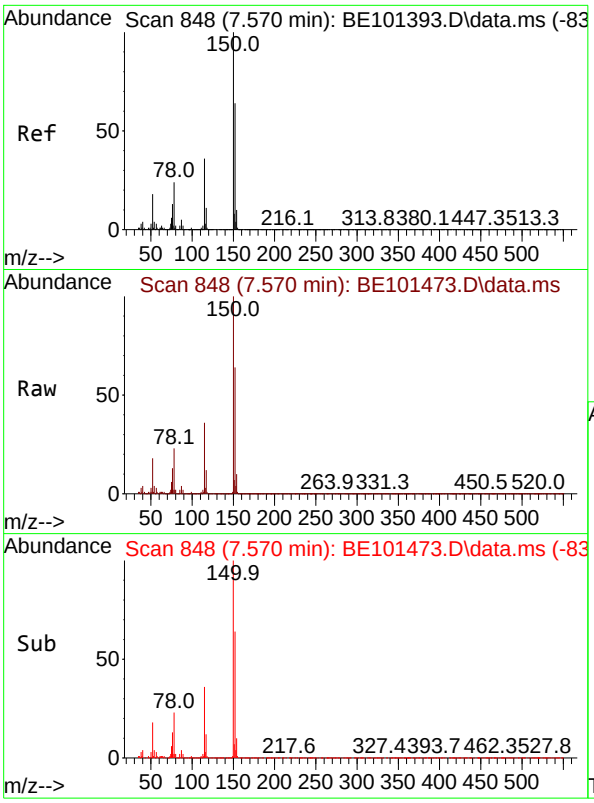


Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
Data File : BE101473.D
Acq On : 5 Nov 2024 11:33
Operator : RC/JU
Sample : PB164639BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB164639BL

Quant Time: Nov 05 11:18:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration



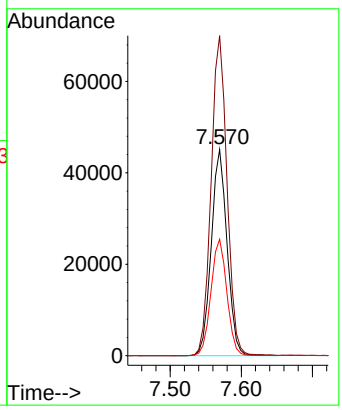


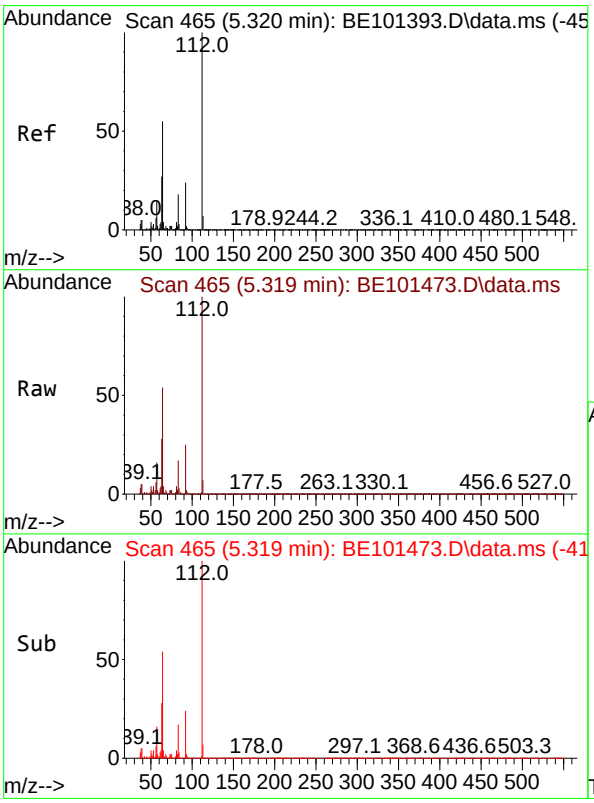
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.570 min Scan# 84
Delta R.T. -0.000 min
Lab File: BE101473.D
Acq: 5 Nov 2024 11:33

Instrument :
BNA_E
ClientSampleId :
PB164639BL

Tgt Ion:152 Resp: 69685

Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.2	186.4
115	56.4	45.3	67.9

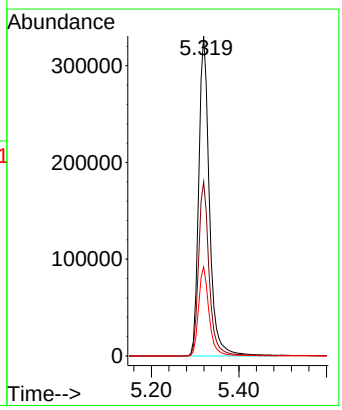


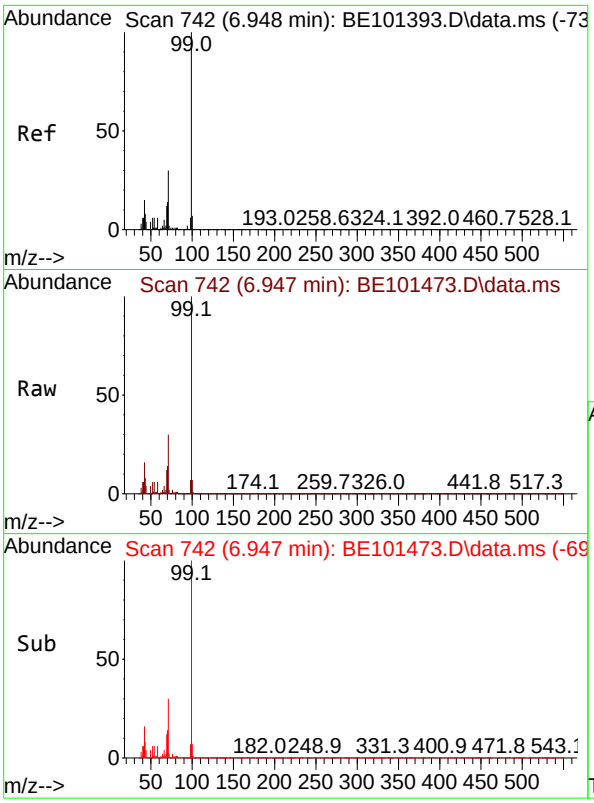


#5
2-Fluorophenol
Concen: 141.192 ng
RT: 5.319 min Scan# 465
Delta R.T. -0.001 min
Lab File: BE101473.D
Acq: 5 Nov 2024 11:33

Tgt Ion:112 Resp: 561372

Ion	Ratio	Lower	Upper
112	100		
64	54.4	43.7	65.5
63	27.9	21.4	32.2



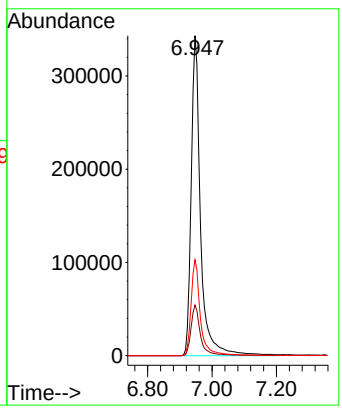


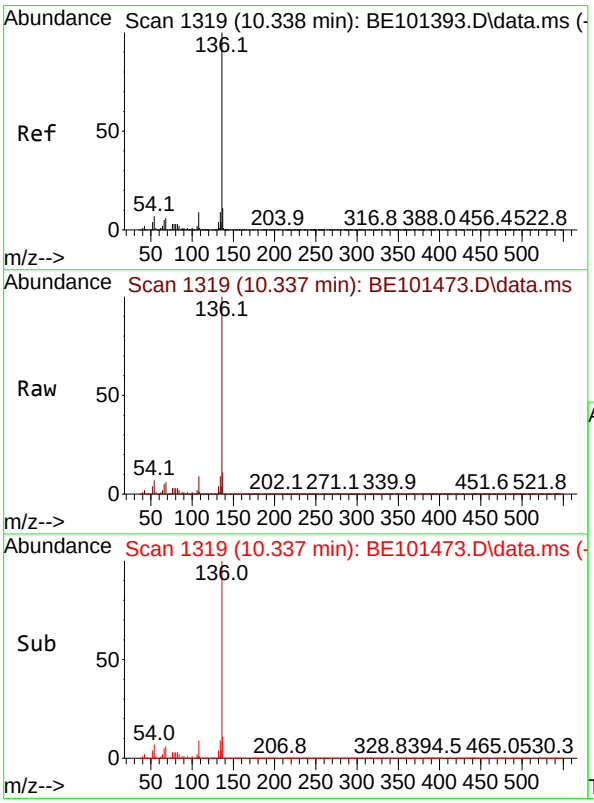
#7
Phenol-d6
Concen: 125.752 ng
RT: 6.947 min Scan# 74
Delta R.T. -0.001 min
Lab File: BE101473.D
Acq: 5 Nov 2024 11:33

Instrument :
BNA_E
ClientSampleId :
PB164639BL

Tgt Ion: 99 Resp: 693279

Ion	Ratio	Lower	Upper
99	100		
42	15.8	12.3	18.5
71	30.0	23.8	35.8

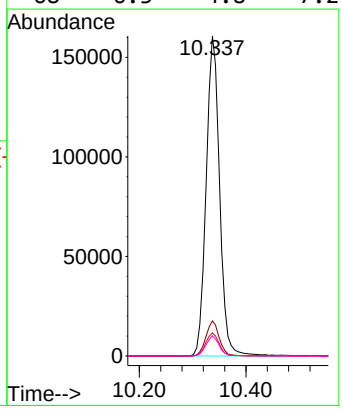


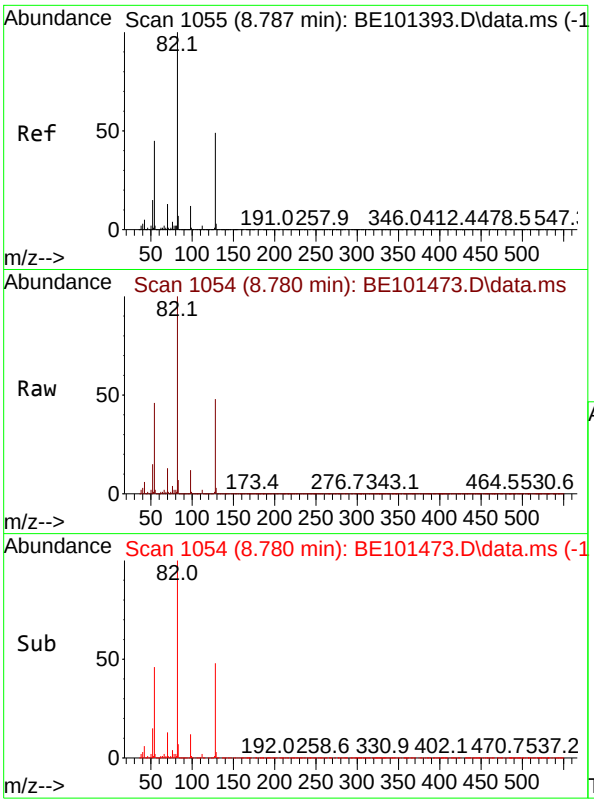


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.337 min Scan# 1319
Delta R.T. -0.001 min
Lab File: BE101473.D
Acq: 5 Nov 2024 11:33

Tgt Ion:136 Resp: 281108

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.6
54	7.2	5.9	8.9
68	6.3	4.8	7.2



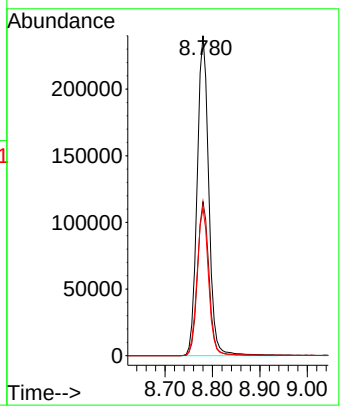


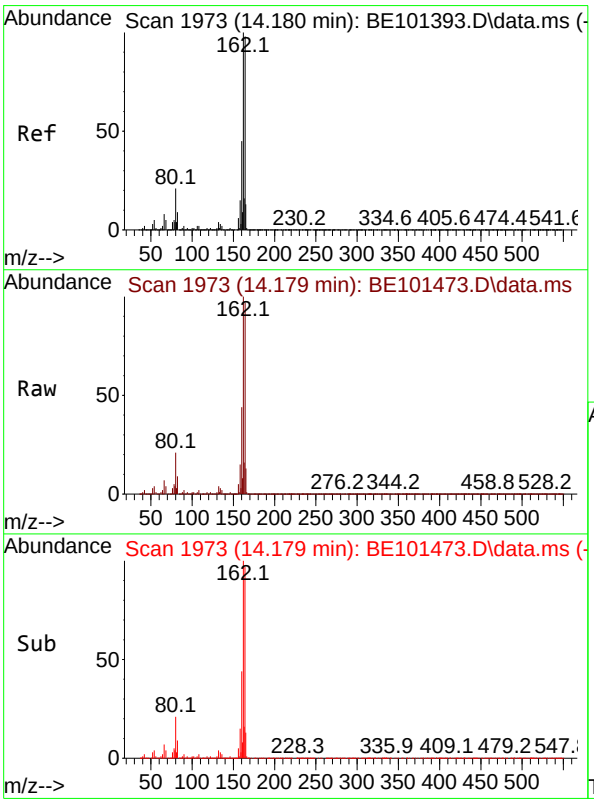
#23
Nitrobenzene-d5
Concen: 91.200 ng
RT: 8.780 min Scan# 1
Delta R.T. -0.007 min
Lab File: BE101473.D
Acq: 5 Nov 2024 11:33

Instrument :
BNA_E
ClientSampleId :
PB164639BL

Tgt Ion: 82 Resp: 408173

Ion	Ratio	Lower	Upper
82	100		
128	48.2	38.9	58.3
54	46.0	36.2	54.4

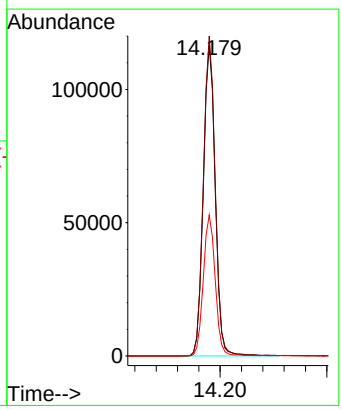


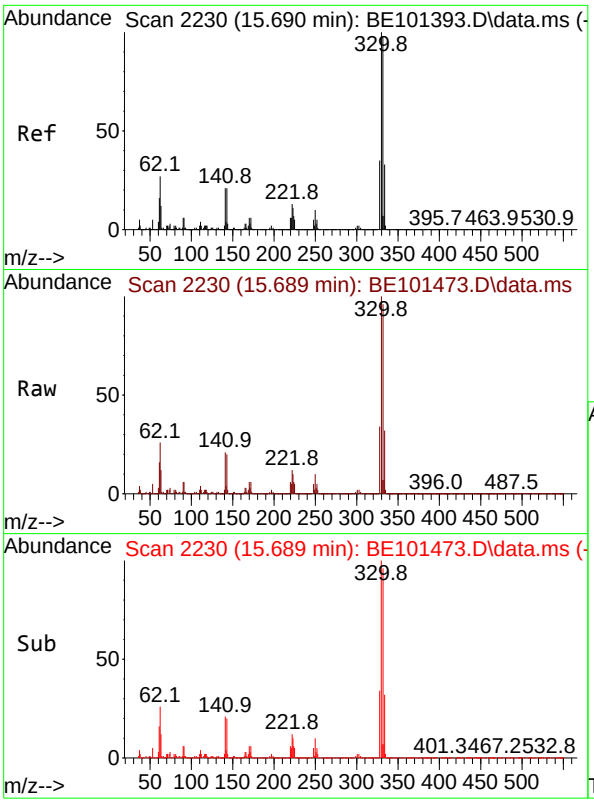


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.179 min Scan# 1973
Delta R.T. -0.001 min
Lab File: BE101473.D
Acq: 5 Nov 2024 11:33

Tgt Ion:164 Resp: 180533

Ion	Ratio	Lower	Upper
164	100		
162	103.0	81.3	121.9
160	45.4	36.4	54.6



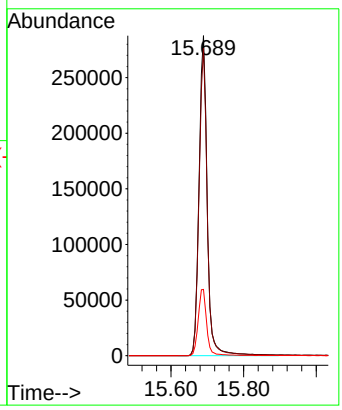


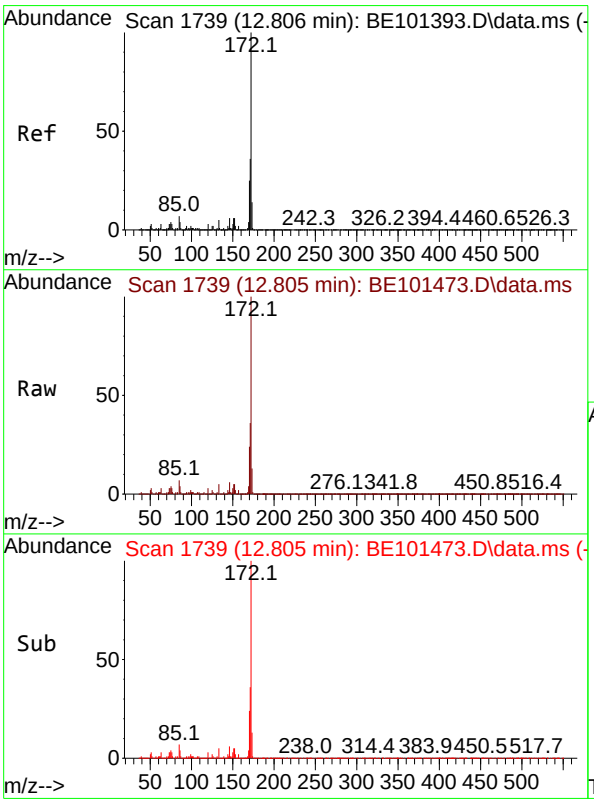
#42
2,4,6-Tribromophenol
Concen: 142.433 ng
RT: 15.689 min Scan# 2
Delta R.T. -0.001 min
Lab File: BE101473.D
Acq: 5 Nov 2024 11:33

Instrument :
BNA_E
ClientSampleId :
PB164639BL

Tgt Ion:330 Resp: 450681

Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.2	117.2
141	21.5	18.3	27.5

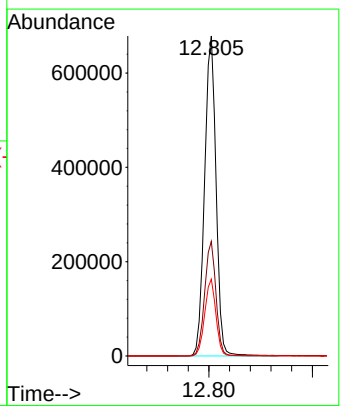


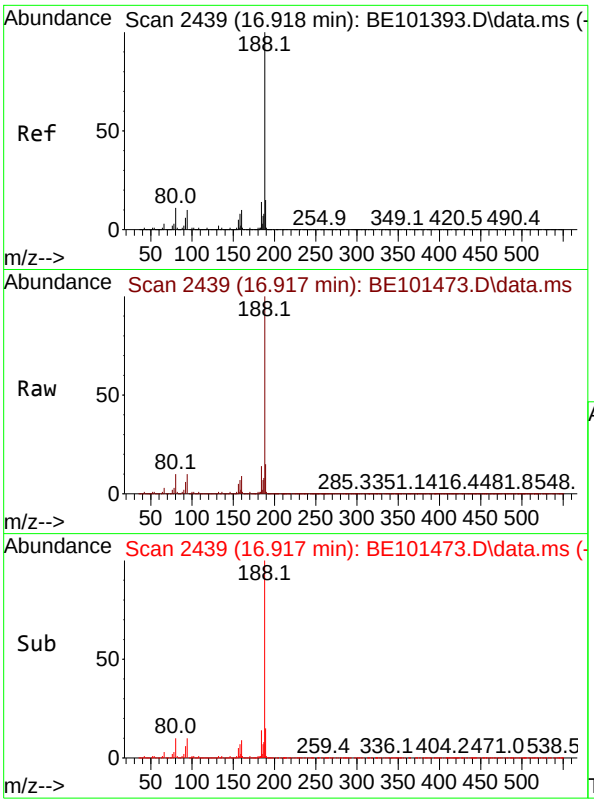


#45
2-Fluorobiphenyl
Concen: 97.709 ng
RT: 12.805 min Scan# 1739
Delta R.T. -0.001 min
Lab File: BE101473.D
Acq: 5 Nov 2024 11:33

Tgt Ion:172 Resp: 1041592

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.2	43.8
170	24.0	19.8	29.6



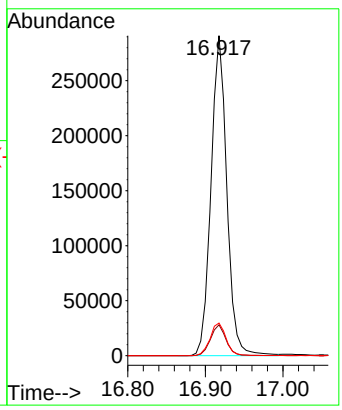


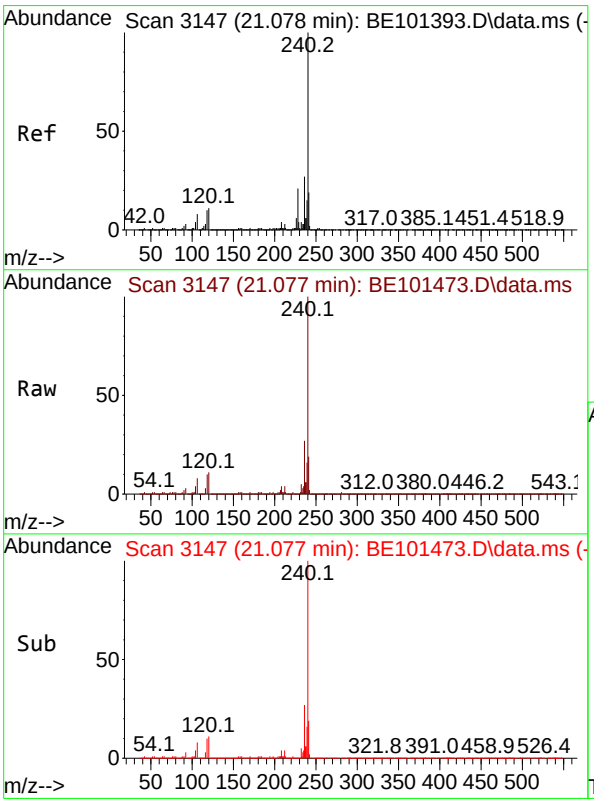
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.917 min Scan# 24
Delta R.T. -0.001 min
Lab File: BE101473.D
Acq: 5 Nov 2024 11:33

Instrument :
BNA_E
ClientSampleId :
PB164639BL

Tgt Ion:188 Resp: 412460

Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.8	11.8
80	10.2	8.6	12.8

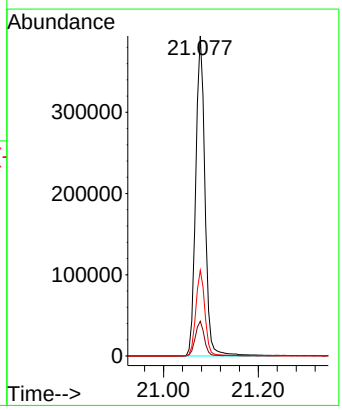


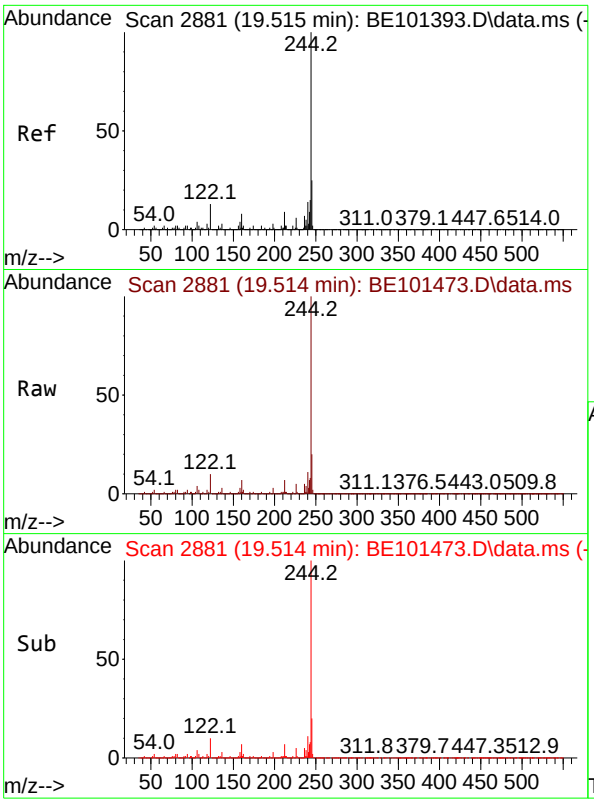


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.077 min Scan# 3147
Delta R.T. -0.001 min
Lab File: BE101473.D
Acq: 5 Nov 2024 11:33

Tgt Ion:240 Resp: 536197

Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.0	13.4
236	26.7	21.4	32.0



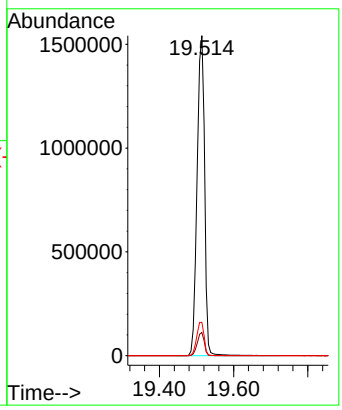


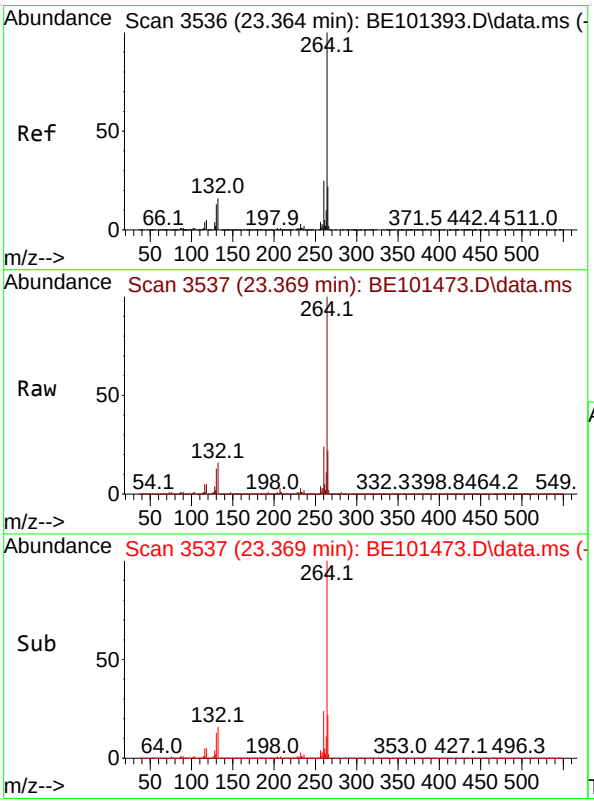
#79
Terphenyl-d14
Concen: 92.761 ng
RT: 19.514 min Scan# 2
Delta R.T. -0.001 min
Lab File: BE101473.D
Acq: 5 Nov 2024 11:33

Instrument :
BNA_E
ClientSampleId :
PB164639BL

Tgt Ion:244 Resp: 2161061

Ion	Ratio	Lower	Upper
244	100		
212	7.3	7.2	10.8
122	10.4	10.4	15.6

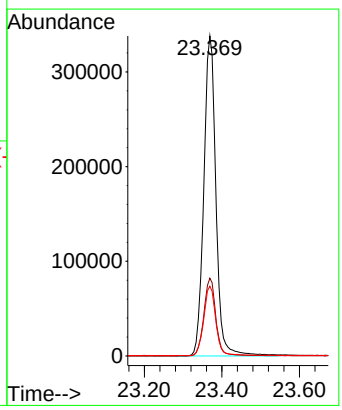




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.369 min Scan# 3537
Delta R.T. 0.005 min
Lab File: BE101473.D
Acq: 5 Nov 2024 11:33

Tgt Ion:264 Resp: 732979

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.8	29.8
265	21.8	17.6	26.4



Raw Data: **BE101474.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	
Project:	Harrington School			Date Received:	
Client Sample ID:	PB164639BS			SDG No.:	P4675
Lab Sample ID:	PB164639BS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101474.D	1	11/04/24 08:45	11/05/24 12:09	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1600		82.5	170	ug/Kg
86-73-7	Fluorene	1600		85.4	170	ug/Kg
85-01-8	Phenanthrene	1800		83.9	170	ug/Kg
120-12-7	Anthracene	1900		84.3	170	ug/Kg
129-00-0	Pyrene	1700		82.9	170	ug/Kg
56-55-3	Benzo(a)anthracene	1900		80.6	170	ug/Kg
218-01-9	Chrysene	1800		79.4	170	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		81.0	170	ug/Kg
50-32-8	Benzo(a)pyrene	1900		92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		78.0	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		80.0	170	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	101		18 - 107	101%	SPK: 100
321-60-8	2-Fluorobiphenyl	108		20 - 109	108%	SPK: 100
1718-51-0	Terphenyl-d14	107	*	10 - 105	107%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	58100	7.57			
1146-65-2	Naphthalene-d8	260000	10.338			
15067-26-2	Acenaphthene-d10	175000	14.18			
1517-22-2	Phenanthrene-d10	370000	16.918			
1719-03-5	Chrysene-d12	433000	21.078			
1520-96-3	Perylene-d12	625000	23.369			

Raw Data: **BE101474.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:			
Project:	Harrington School			Date Received:			
Client Sample ID:	PB164639BS			SDG No.:	P4675		
Lab Sample ID:	PB164639BS			Matrix:	SOIL		
Analytical Method:	SW8270			% Solid:	100		
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000		uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1		
Extraction Type :			Decanted : N	Level :	LOW		
Injection Volume :			GPC Factor : 1.0	GPC Cleanup :	N	PH :	
Prep Method :	SW3541						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101474.D	1	11/04/24 08:45	11/05/24 12:09	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **BE101474.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
Data File : BE101474.D
Acq On : 5 Nov 2024 12:09
Operator : RC/JU
Sample : PB164639BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB164639BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

Quant Time: Nov 05 12:03:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.570	152	58093	20.000	ng		0.00
21) Naphthalene-d8	10.338	136	260393	20.000	ng		0.00
39) Acenaphthene-d10	14.180	164	175308	20.000	ng		0.00
64) Phenanthrene-d10	16.918	188	370232	20.000	ng		0.00
76) Chrysene-d12	21.078	240	432772	20.000	ng		0.00
86) Perylene-d12	23.369	264	625016	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.320	112	546804	164.971	ng		0.00
7) Phenol-d6	6.953	99	701741	152.686	ng		0.00
23) Nitrobenzene-d5	8.781	82	420026	101.314	ng		0.00
42) 2,4,6-Tribromophenol	15.690	330	471921	153.591	ng		0.00
45) 2-Fluorobiphenyl	12.805	172	1114997	107.713	ng		0.00
79) Terphenyl-d14	19.509	244	2003089	106.528	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.205	88	50368	40.743	ng		98
3) Pyridine	3.622	79	135845m	38.840	ng		
4) n-Nitrosodimethylamine	3.551	42	67923	50.192	ng		97
6) Aniline	7.006	93	239259	67.928	ng		96
8) 2-Chlorophenol	7.212	128	207532	52.204	ng		99
9) Benzaldehyde	6.777	77	26193	11.806	ng		99
10) Phenol	6.977	94	270172	54.179	ng		98
11) bis(2-Chloroethyl)ether	7.035	93	166303	40.653	ng		99
12) 1,3-Dichlorobenzene	7.459	146	199212	46.472	ng		98
13) 1,4-Dichlorobenzene	7.600	146	205822	47.018	ng		100
14) 1,2-Dichlorobenzene	7.929	146	200307	46.747	ng		99
15) Benzyl Alcohol	7.911	79	140248	51.194	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.064	45	249923	48.546	ng		99
17) 2-Methylphenol	8.152	107	166511	49.336	ng		99
18) Hexachloroethane	8.628	117	69610	48.694	ng		96
19) n-Nitroso-di-n-propyla...	8.369	70	148289	48.622	ng		99
20) 3+4-Methylphenols	8.493	107	233141	50.043	ng		98
22) Acetophenone	8.422	105	288989	48.878	ng	#	98
24) Nitrobenzene	8.822	77	209169	47.403	ng		98
25) Isophorone	9.274	82	399603	49.394	ng		99
26) 2-Nitrophenol	9.509	139	116679	54.710	ng		98
27) 2,4-Dimethylphenol	9.627	122	173995	64.835	ng		98
28) bis(2-Chloroethoxy)met...	9.768	93	247011	50.347	ng		99
29) 2,4-Dichlorophenol	10.061	162	199819	53.820	ng		100
30) 1,2,4-Trichlorobenzene	10.185	180	190295	47.050	ng		99
31) Naphthalene	10.385	128	629933	47.473	ng		99
32) Benzoic acid	9.897	122	52790	24.065	ng		97
33) 4-Chloroaniline	10.608	127	166911	36.173	ng		99
34) Hexachlorobutadiene	10.631	225	116847	48.808	ng		97
35) Caprolactam	11.401	113	66412m	46.665	ng		
36) 4-Chloro-3-methylphenol	11.789	107	209316	49.516	ng		99
37) 2-Methylnaphthalene	11.977	142	458604	47.972	ng		99
38) 1-Methylnaphthalene	12.200	142	431037	45.176	ng		99
40) 1,2,4,5-Tetrachloroben...	12.335	216	226675	51.507	ng		99
41) Hexachlorocyclopentadiene	12.312	237	296230	203.815	ng		99
43) 2,4,6-Trichlorophenol	12.652	196	168099	55.407	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
Data File : BE101474.D
Acq On : 5 Nov 2024 12:09
Operator : RC/JU
Sample : PB164639BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 05 12:03:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
PB164639BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.758	196	184459	53.093	ng	100
46) 1,1'-Biphenyl	13.005	154	602169	50.136	ng	99
47) 2-Chloronaphthalene	13.052	162	468284	49.350	ng	99
48) 2-Nitroaniline	13.387	65	136168	53.322	ng	94
49) Acenaphthylene	13.916	152	766269	54.606	ng	99
50) Dimethylphthalate	13.687	163	624313	50.452	ng	99
51) 2,6-Dinitrotoluene	13.822	165	137600	48.163	ng	99
52) Acenaphthene	14.245	154	459124	50.106	ng	99
53) 3-Nitroaniline	14.233	138	107147	37.717	ng	98
54) 2,4-Dinitrophenol	14.374	184	172420	84.591	ng	99
55) Dibenzofuran	14.585	168	738512	50.567	ng	98
56) 4-Nitrophenol	14.656	139	246011	94.563	ng	99
57) 2,4-Dinitrotoluene	14.609	165	195238	49.638	ng	98
58) Fluorene	15.226	166	602183	49.288	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.856	232	167641	52.225	ng	98
60) Diethylphthalate	15.014	149	636575	49.181	ng	99
61) 4-Chlorophenyl-phenyle...	15.208	204	299829	49.455	ng	98
62) 4-Nitroaniline	15.420	138	145455	46.013	ng	98
63) Azobenzene	15.508	77	550789	49.506	ng	99
65) 4,6-Dinitro-2-methylph...	15.355	198	116521	53.560	ng	97
66) n-Nitrosodiphenylamine	15.461	169	541118	55.114	ng	100
67) 4-Bromophenyl-phenylether	16.095	248	209317	53.746	ng	97
68) Hexachlorobenzene	16.207	284	266421	52.190	ng	97
69) Atrazine	16.395	200	195284	64.878	ng	99
70) Pentachlorophenol	16.613	266	307472	104.639	ng	99
71) Phenanthrene	16.959	178	942651	53.178	ng	98
72) Anthracene	17.047	178	978854	56.553	ng	98
73) Carbazole	17.376	167	906913	51.208	ng	98
74) Di-n-butylphthalate	17.823	149	1117663	57.325	ng	98
75) Fluoranthene	18.963	202	1127414	52.365	ng	97
77) Benzidine	19.215	184	493124	89.780	ng	99
78) Pyrene	19.333	202	1205586	50.657	ng	97
80) Butylbenzylphthalate	20.179	149	562726	53.936	ng	99
81) Benzo(a)anthracene	21.060	228	1358634	55.854	ng	97
82) 3,3'-Dichlorobenzidine	21.031	252	429071	45.029	ng	99
83) Chrysene	21.119	228	1294145	55.027	ng	95
84) Bis(2-ethylhexyl)phtha...	20.884	149	862140	62.203	ng	99
85) Di-n-octyl phthalate	21.730	149	1576603	69.306	ng	98
87) Indeno(1,2,3-cd)pyrene	25.714	276	2303290	55.065	ng	99
88) Benzo(b)fluoranthene	22.664	252	1626650	49.940	ng	98
89) Benzo(k)fluoranthene	22.705	252	1660147	54.555	ng	97
90) Benzo(a)pyrene	23.264	252	1615365	56.707	ng	98
91) Dibenzo(a,h)anthracene	25.702	278	1895824	54.851	ng	99
92) Benzo(g,h,i)perylene	26.460	276	1736882	48.772	ng	99

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

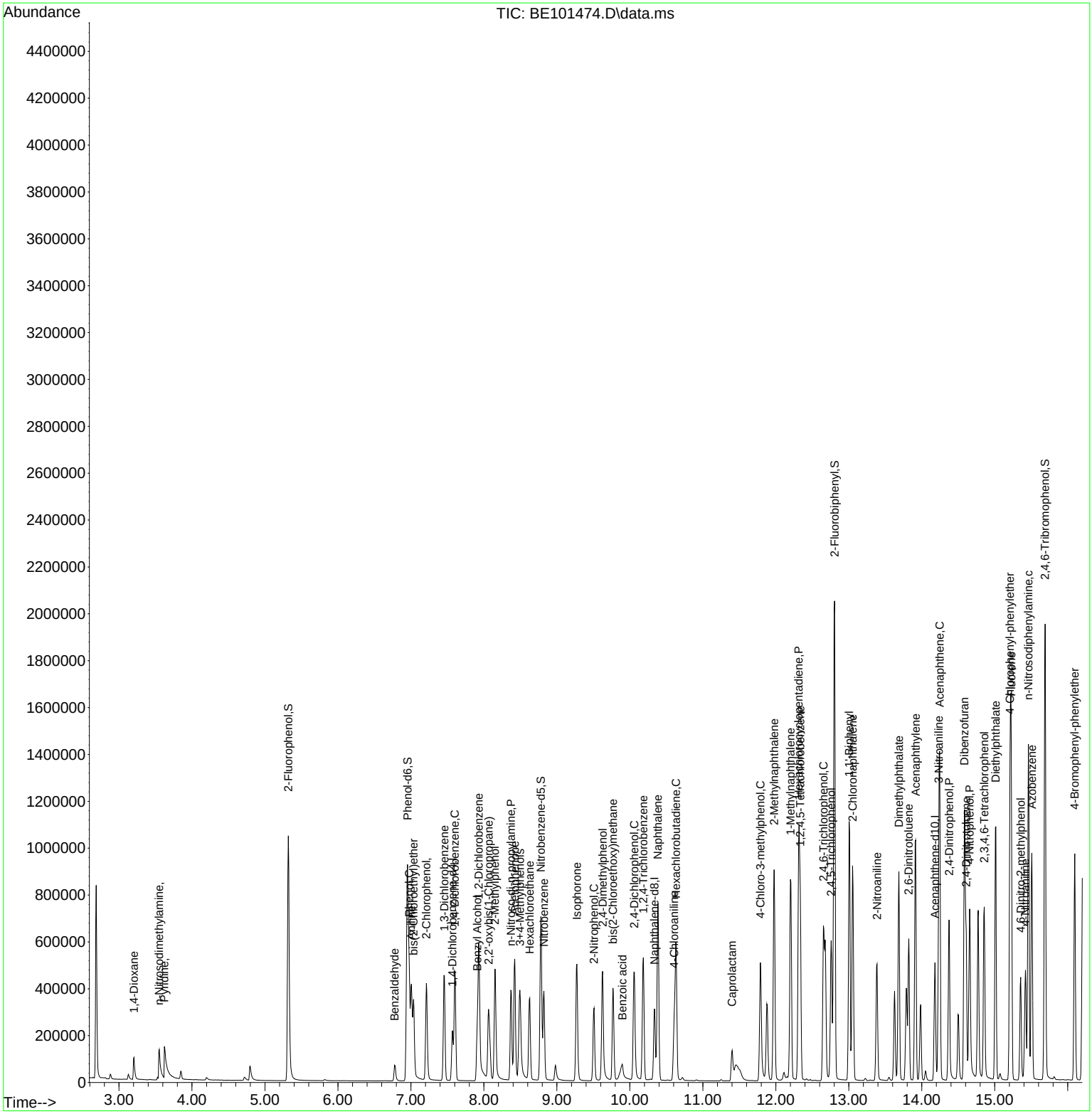
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
Data File : BE101474.D
Acq On : 5 Nov 2024 12:09
Operator : RC/JU
Sample : PB164639BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 05 12:03:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
PB164639BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



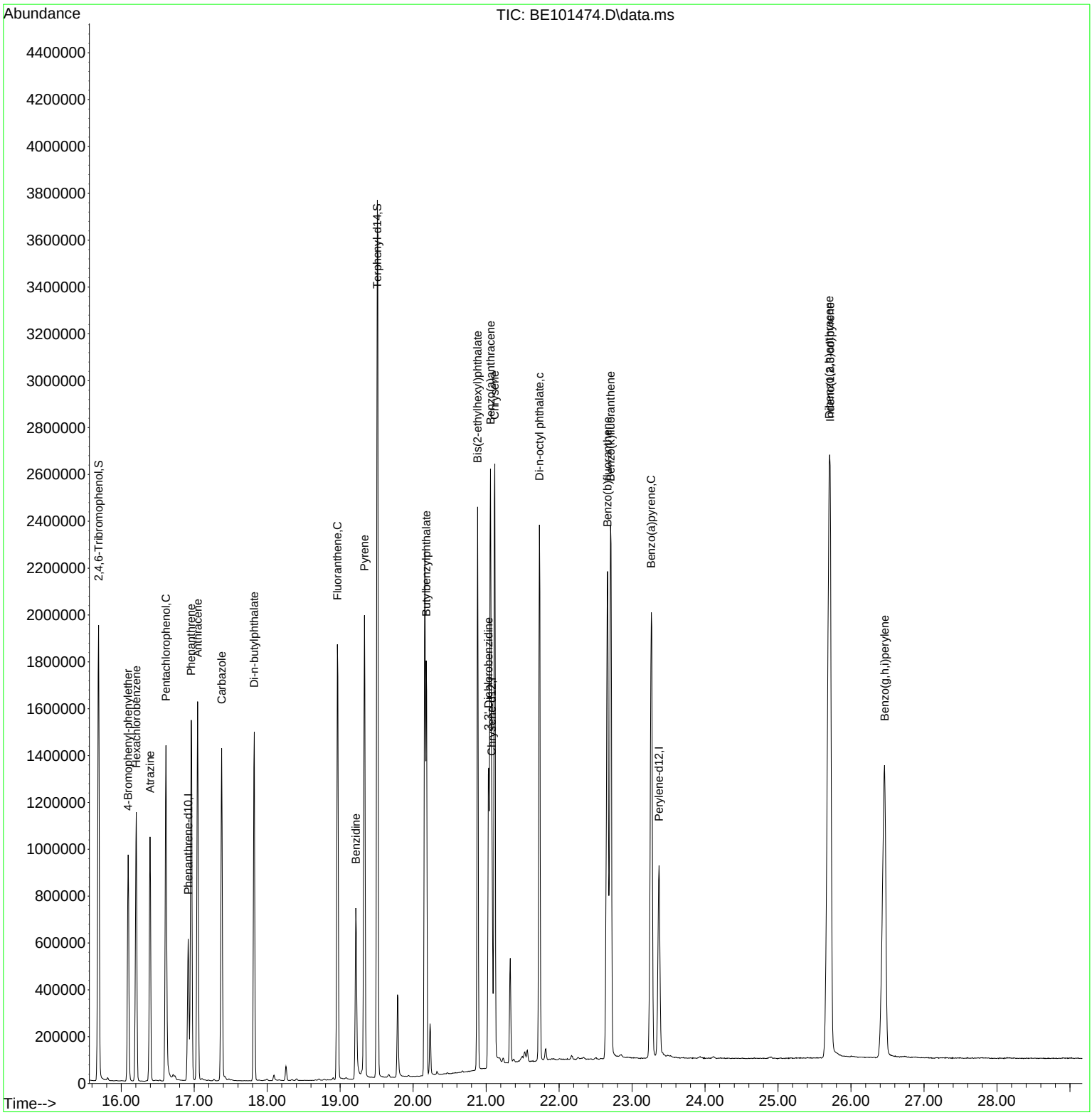
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
Data File : BE101474.D
Acq On : 5 Nov 2024 12:09
Operator : RC/JU
Sample : PB164639BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 05 12:03:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
PB164639BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



Raw Data: **BE101460.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-4MS			SDG No.:	P4675
Lab Sample ID:	P4675-04MS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	82.9
Sample Wt/Vol:	30.09	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101460.D	1	11/04/24 08:45	11/04/24 18:02	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	2000		99.3	200	ug/Kg
86-73-7	Fluorene	2100		100	200	ug/Kg
85-01-8	Phenanthrene	2200		100	200	ug/Kg
120-12-7	Anthracene	2300		100	200	ug/Kg
129-00-0	Pyrene	1800		99.8	200	ug/Kg
56-55-3	Benzo(a)anthracene	2200		97.1	200	ug/Kg
218-01-9	Chrysene	2200		95.6	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000		97.5	200	ug/Kg
50-32-8	Benzo(a)pyrene	2300		110	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2200		93.9	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2000		96.3	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	72.5		18 - 107	73%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.3		20 - 109	79%	SPK: 100
1718-51-0	Terphenyl-d14	68.4		10 - 105	68%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	55100	7.57			
1146-65-2	Naphthalene-d8	226000	10.337			
15067-26-2	Acenaphthene-d10	138000	14.18			
1517-22-2	Phenanthrene-d10	319000	16.918			
1719-03-5	Chrysene-d12	506000	21.078			
1520-96-3	Perylene-d12	717000	23.369			

Raw Data: **BE101460.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-4MS			SDG No.:	P4675
Lab Sample ID:	P4675-04MS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	82.9
Sample Wt/Vol:	30.09	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101460.D	1	11/04/24 08:45	11/04/24 18:02	PB164639

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_E\Data\BE110424\
Data File : BE101460.D
Acq On : 4 Nov 2024 18:02
Operator : RC/JU
Sample : P4675-04MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 04 22:06:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
COMP-4MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.570	152	55119	20.000	ng	0.00
21) Naphthalene-d8	10.337	136	225817	20.000	ng	0.00
39) Acenaphthene-d10	14.180	164	137542	20.000	ng	0.00
64) Phenanthrene-d10	16.918	188	319377	20.000	ng	0.00
76) Chrysene-d12	21.078	240	506438	20.000	ng	0.00
86) Perylene-d12	23.369	264	716658	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.320	112	361128	114.831	ng	0.00
7) Phenol-d6	6.953	99	474282	108.763	ng	0.00
23) Nitrobenzene-d5	8.780	82	260726	72.519	ng	0.00
42) 2,4,6-Tribromophenol	15.690	330	292517	121.343	ng	0.00
45) 2-Fluorobiphenyl	12.799	172	644286	79.330	ng	0.00
79) Terphenyl-d14	19.509	244	1504811	68.387	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.205	88	61282	52.246	ng	99
3) Pyridine	3.628	79	160616	48.400	ng	96
4) n-Nitrosodimethylamine	3.551	42	70455	54.872	ng	100
6) Aniline	7.006	93	175791	52.601	ng	94
8) 2-Chlorophenol	7.218	128	188789	50.051	ng	99
9) Benzaldehyde	6.777	77	23201	11.022	ng	96
10) Phenol	6.977	94	245586	51.906	ng	99
11) bis(2-Chloroethyl)ether	7.035	93	149991	38.643	ng	98
12) 1,3-Dichlorobenzene	7.458	146	198125	48.712	ng	98
13) 1,4-Dichlorobenzene	7.605	146	202107	48.660	ng	99
14) 1,2-Dichlorobenzene	7.934	146	194246	47.778	ng	100
15) Benzyl Alcohol	7.911	79	124597	47.935	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.064	45	221625	45.372	ng	97
17) 2-Methylphenol	8.152	107	148754	46.453	ng	99
18) Hexachloroethane	8.628	117	67031	49.420	ng	97
19) n-Nitroso-di-n-propyla...	8.369	70	123913	42.822	ng	99
20) 3+4-Methylphenols	8.492	107	203456	46.028	ng	99
22) Acetophenone	8.422	105	254393	49.615	ng	99
24) Nitrobenzene	8.822	77	186400	48.711	ng	98
25) Isophorone	9.274	82	332714	47.423	ng	99
26) 2-Nitrophenol	9.509	139	103354	55.882	ng	97
27) 2,4-Dimethylphenol	9.626	122	144191	61.956	ng	98
28) bis(2-Chloroethoxy)met...	9.773	93	204734	48.119	ng	99
29) 2,4-Dichlorophenol	10.061	162	168892	52.456	ng	98
30) 1,2,4-Trichlorobenzene	10.185	180	172221	49.101	ng	98
31) Naphthalene	10.384	128	564800	49.081	ng	100
32) Benzoic acid	9.879	122	70568	32.646	ng	96
33) 4-Chloroaniline	10.608	127	102707	25.667	ng	99
34) Hexachlorobutadiene	10.631	225	105201	50.672	ng	98
35) Caprolactam	11.401	113	59495m	48.206	ng	
36) 4-Chloro-3-methylphenol	11.789	107	172839	47.147	ng	98
37) 2-Methylnaphthalene	11.977	142	390038	47.046	ng	100
38) 1-Methylnaphthalene	12.206	142	364001	43.992	ng	99
40) 1,2,4,5-Tetrachloroben...	12.335	216	191796	55.548	ng	99
41) Hexachlorocyclopentadiene	12.317	237	210420	184.527	ng	98
43) 2,4,6-Trichlorophenol	12.652	196	137191	57.636	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110424\
Data File : BE101460.D
Acq On : 4 Nov 2024 18:02
Operator : RC/JU
Sample : P4675-04MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 04 22:06:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
COMP-4MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.758	196	148947	54.643	ng	99
46) 1,1'-Biphenyl	13.005	154	492851	52.302	ng	100
47) 2-Chloronaphthalene	13.052	162	384857	51.694	ng	98
48) 2-Nitroaniline	13.387	65	113376	56.587	ng	96
49) Acenaphthylene	13.910	152	626333	56.889	ng	100
50) Dimethylphthalate	13.686	163	482611	49.709	ng	99
51) 2,6-Dinitrotoluene	13.822	165	109056	48.654	ng	98
52) Acenaphthene	14.245	154	377590	52.523	ng	100
53) 3-Nitroaniline	14.227	138	78998	35.443	ng	98
54) 2,4-Dinitrophenol	14.368	184	147594	91.782	ng	99
55) Dibenzofuran	14.585	168	595110	51.936	ng	98
56) 4-Nitrophenol	14.656	139	242056	118.591	ng	97
57) 2,4-Dinitrotoluene	14.609	165	160902	52.141	ng	97
58) Fluorene	15.226	166	493677	51.502	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.856	232	141773	56.293	ng	98
60) Diethylphthalate	15.008	149	502691	49.502	ng	99
61) 4-Chlorophenyl-phenyle...	15.208	204	234319	49.261	ng	99
62) 4-Nitroaniline	15.420	138	134862	54.376	ng	95
63) Azobenzene	15.508	77	436407	49.996	ng	99
65) 4,6-Dinitro-2-methylph...	15.349	198	105755	56.351	ng	98
66) n-Nitrosodiphenylamine	15.461	169	434351	51.284	ng	99
67) 4-Bromophenyl-phenylether	16.095	248	164486	48.960	ng	98
68) Hexachlorobenzene	16.207	284	216945	49.265	ng	95
69) Atrazine	16.395	200	168624	64.941	ng	99
70) Pentachlorophenol	16.612	266	307652	121.372	ng	100
71) Phenanthrene	16.959	178	830729	54.327	ng	98
72) Anthracene	17.047	178	860778	57.650	ng	98
73) Carbazole	17.376	167	873306	57.163	ng	98
74) Di-n-butylphthalate	17.823	149	968185	57.565	ng	97
75) Fluoranthene	18.963	202	1143493	61.569	ng	97
77) Benzidine	19.215	184	636971	99.100	ng	100
78) Pyrene	19.333	202	1251358	44.932	ng	97
80) Butylbenzylphthalate	20.185	149	602907	49.381	ng	97
81) Benzo(a)anthracene	21.060	228	1569382	55.134	ng	97
82) 3,3'-Dichlorobenzidine	21.037	252	423083	37.942	ng	100
83) Chrysene	21.119	228	1490157	54.144	ng	96
84) Bis(2-ethylhexyl)phtha...	20.884	149	916028	56.478	ng	98
85) Di-n-octyl phthalate	21.730	149	1703384	63.988	ng	98
87) Indeno(1,2,3-cd)pyrene	25.713	276	2627149	54.776	ng	99
88) Benzo(b)fluoranthene	22.664	252	1879048	50.312	ng	98
89) Benzo(k)fluoranthene	22.705	252	1911451	54.781	ng	98
90) Benzo(a)pyrene	23.263	252	1869389	57.233	ng	99
91) Dibenzo(a,h)anthracene	25.702	278	2158796	54.472	ng	99
92) Benzo(g,h,i)perylene	26.460	276	2013665	49.314	ng	98

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

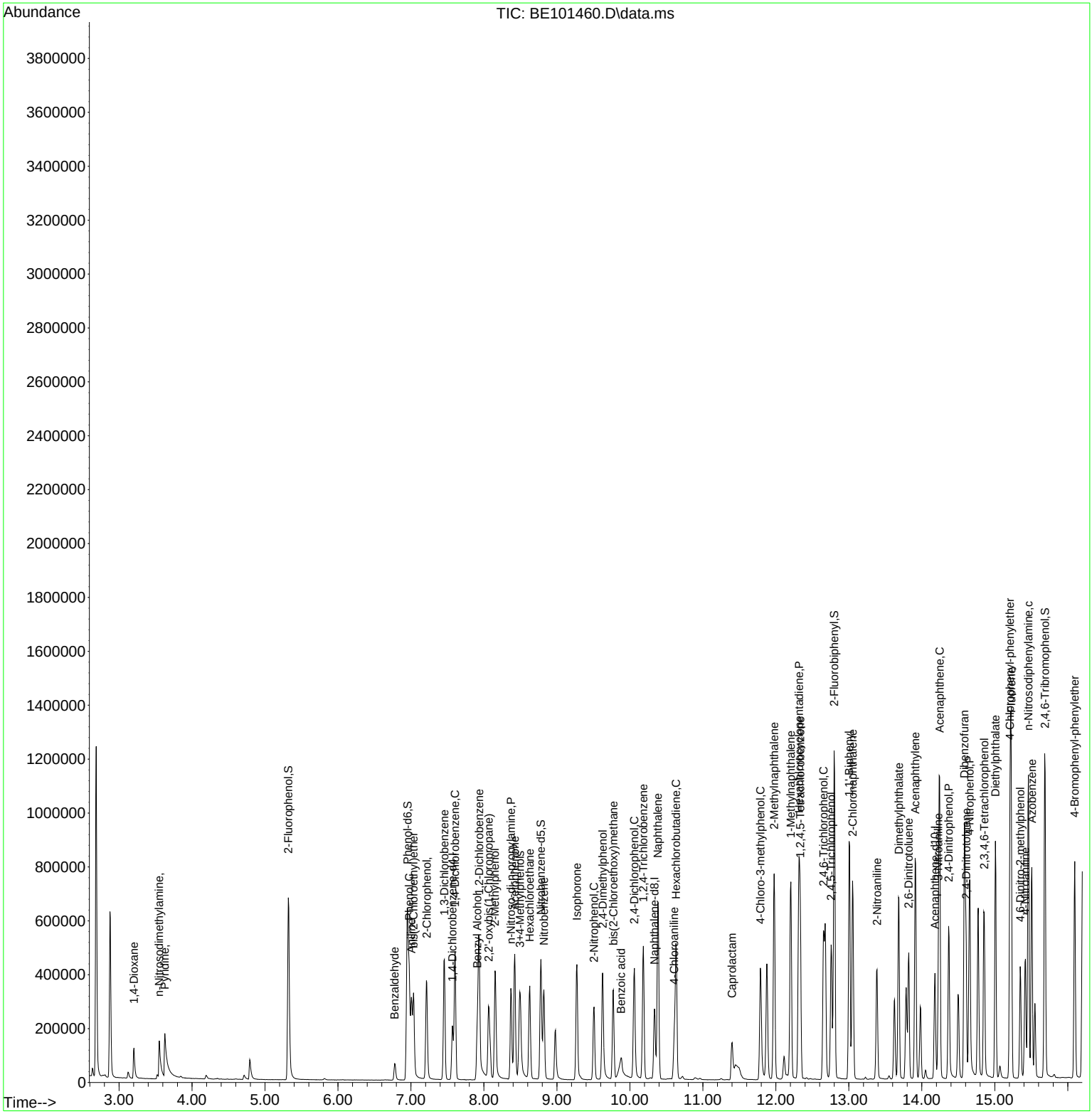
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110424\
Data File : BE101460.D
Acq On : 4 Nov 2024 18:02
Operator : RC/JU
Sample : P4675-04MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 04 22:06:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
COMP-4MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110424\
Data File : BE101460.D
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
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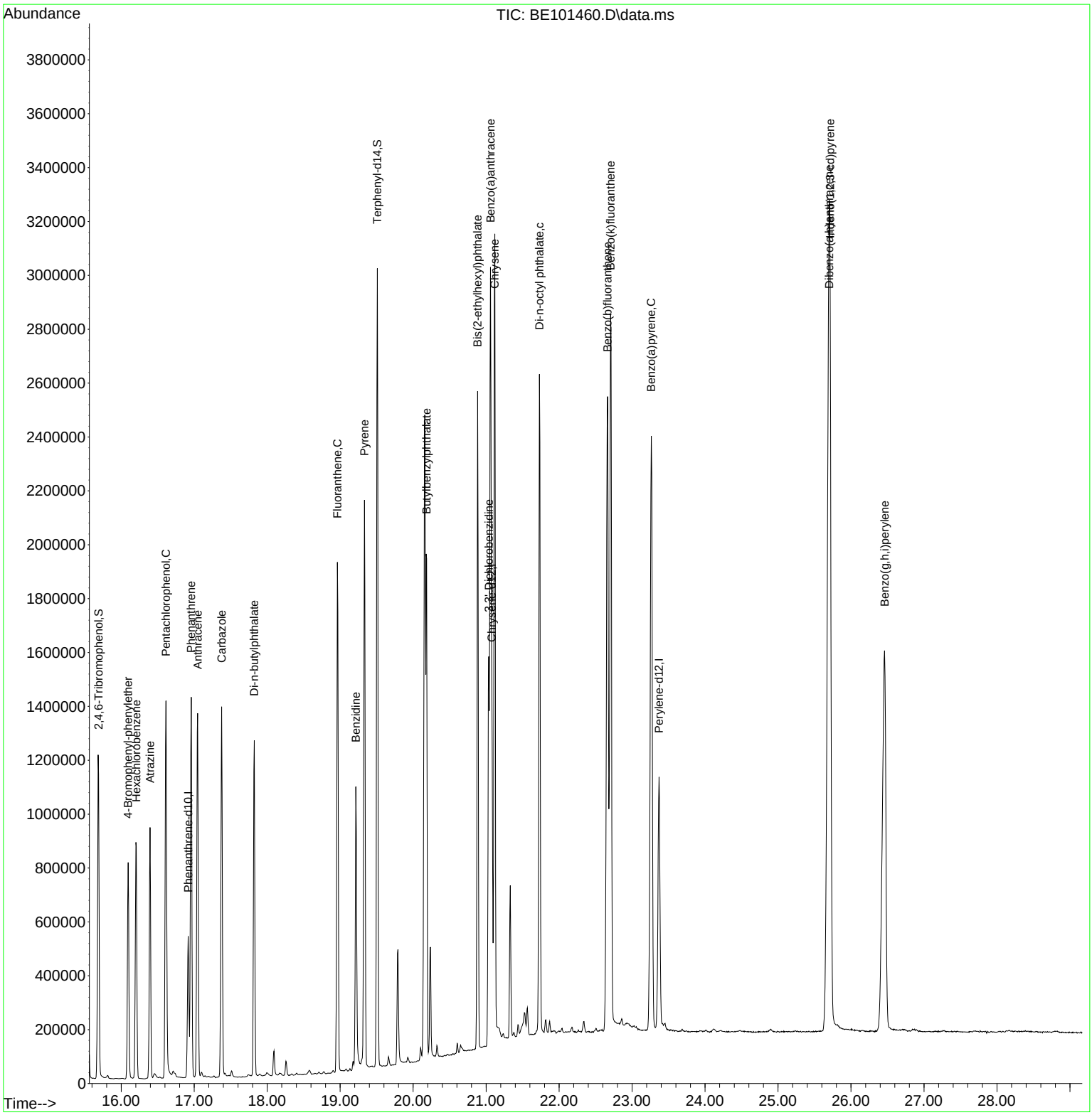
Instrument :
BNA_E
ClientSampleId :
COMP-4MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



Raw Data: **BE101461.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-4MSD			SDG No.:	P4675
Lab Sample ID:	P4675-04MSD			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	82.9
Sample Wt/Vol:	30.07	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101461.D	1	11/04/24 08:45	11/04/24 18:38	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	2000		99.4	200	ug/Kg
86-73-7	Fluorene	2000		100	200	ug/Kg
85-01-8	Phenanthrene	2200		100	200	ug/Kg
120-12-7	Anthracene	2300		100	200	ug/Kg
129-00-0	Pyrene	1900		99.9	200	ug/Kg
56-55-3	Benzo(a)anthracene	2200		97.1	200	ug/Kg
218-01-9	Chrysene	2200		95.7	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000		97.6	200	ug/Kg
50-32-8	Benzo(a)pyrene	2300		110	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2200		94.0	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2000		96.4	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	73.2		18 - 107	73%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.8		20 - 109	80%	SPK: 100
1718-51-0	Terphenyl-d14	72.0		10 - 105	72%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	62600	7.569			
1146-65-2	Naphthalene-d8	256000	10.337			
15067-26-2	Acenaphthene-d10	158000	14.179			
1517-22-2	Phenanthrene-d10	338000	16.917			
1719-03-5	Chrysene-d12	478000	21.077			
1520-96-3	Perylene-d12	708000	23.369			

Raw Data: **BE101461.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-4MSD			SDG No.:	P4675
Lab Sample ID:	P4675-04MSD			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	82.9
Sample Wt/Vol:	30.07	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101461.D	1	11/04/24 08:45	11/04/24 18:38	PB164639

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_E\Data\BE110424\
Data File : BE101461.D
Acq On : 4 Nov 2024 18:38
Operator : RC/JU
Sample : P4675-04MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 04 22:06:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
COMP-4MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.569	152	62622	20.000	ng		0.00
21) Naphthalene-d8	10.337	136	255715	20.000	ng		0.00
39) Acenaphthene-d10	14.179	164	157541	20.000	ng		0.00
64) Phenanthrene-d10	16.917	188	337929	20.000	ng		0.00
76) Chrysene-d12	21.077	240	477689	20.000	ng		0.00
86) Perylene-d12	23.369	264	708395	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.325	112	408440	114.314	ng		0.00
7) Phenol-d6	6.953	99	536001	108.190	ng		0.00
23) Nitrobenzene-d5	8.780	82	298216	73.248	ng		0.00
42) 2,4,6-Tribromophenol	15.689	330	318565	115.373	ng		0.00
45) 2-Fluorobiphenyl	12.799	172	742733	79.842	ng		0.00
79) Terphenyl-d14	19.508	244	1494281	71.996	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.204	88	68776	51.610	ng		99
3) Pyridine	3.627	79	178731	47.406	ng		97
4) n-Nitrosodimethylamine	3.551	42	78210	53.614	ng		100
6) Aniline	7.005	93	196060	51.637	ng		94
8) 2-Chlorophenol	7.217	128	215120	50.199	ng		100
9) Benzaldehyde	6.782	77	26242	10.973	ng		94
10) Phenol	6.976	94	278337	51.779	ng		99
11) bis(2-Chloroethyl)ether	7.035	93	176218	39.961	ng		99
12) 1,3-Dichlorobenzene	7.458	146	224770	48.642	ng		99
13) 1,4-Dichlorobenzene	7.605	146	229154	48.562	ng		99
14) 1,2-Dichlorobenzene	7.934	146	220124	47.656	ng		100
15) Benzyl Alcohol	7.910	79	140573	47.601	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.063	45	254495	45.859	ng		98
17) 2-Methylphenol	8.157	107	167301	45.985	ng		100
18) Hexachloroethane	8.627	117	76316	49.524	ng		98
19) n-Nitroso-di-n-propyla...	8.369	70	143999	43.801	ng		100
20) 3+4-Methylphenols	8.492	107	227137	45.228	ng		99
22) Acetophenone	8.421	105	293420	50.535	ng	#	99
24) Nitrobenzene	8.821	77	210910	48.672	ng		98
25) Isophorone	9.273	82	380062	47.838	ng		99
26) 2-Nitrophenol	9.508	139	116119	55.443	ng		97
27) 2,4-Dimethylphenol	9.626	122	165380	62.752	ng		99
28) bis(2-Chloroethoxy)met...	9.773	93	234853	48.745	ng		99
29) 2,4-Dichlorophenol	10.061	162	192661	52.842	ng		99
30) 1,2,4-Trichlorobenzene	10.184	180	196306	49.424	ng		100
31) Naphthalene	10.384	128	641376	49.219	ng		100
32) Benzoic acid	9.884	122	75479	31.291	ng		97
33) 4-Chloroaniline	10.607	127	118734	26.203	ng		99
34) Hexachlorobutadiene	10.631	225	121358	51.620	ng		99
35) Caprolactam	11.400	113	64738m	46.321	ng		
36) 4-Chloro-3-methylphenol	11.788	107	194857	46.938	ng		99
37) 2-Methylnaphthalene	11.976	142	446513	47.561	ng		99
38) 1-Methylnaphthalene	12.205	142	417324	44.539	ng		97
40) 1,2,4,5-Tetrachloroben...	12.334	216	219234	55.434	ng		99
41) Hexachlorocyclopentadiene	12.317	237	246178	188.479	ng		99
43) 2,4,6-Trichlorophenol	12.652	196	155437	57.012	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110424\
Data File : BE101461.D
Acq On : 4 Nov 2024 18:38
Operator : RC/JU
Sample : P4675-04MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 04 22:06:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
COMP-4MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.758	196	167918	53.782	ng	99
46) 1,1'-Biphenyl	13.004	154	562768	52.140	ng	100
47) 2-Chloronaphthalene	13.051	162	439051	51.487	ng	99
48) 2-Nitroaniline	13.386	65	124853	54.405	ng	96
49) Acenaphthylene	13.909	152	707845	56.131	ng	99
50) Dimethylphthalate	13.686	163	546933	49.183	ng	99
51) 2,6-Dinitrotoluene	13.821	165	122779	47.822	ng	100
52) Acenaphthene	14.244	154	427213	51.881	ng	99
53) 3-Nitroaniline	14.232	138	83489	32.703	ng	97
54) 2,4-Dinitrophenol	14.373	184	159573	86.949	ng	99
55) Dibenzofuran	14.585	168	670312	51.073	ng	98
56) 4-Nitrophenol	14.655	139	255810	109.419	ng	100
57) 2,4-Dinitrotoluene	14.608	165	176707	49.993	ng	97
58) Fluorene	15.225	166	549781	50.074	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.855	232	156652	54.305	ng	97
60) Diethylphthalate	15.014	149	557820	47.957	ng	99
61) 4-Chlorophenyl-phenyle...	15.208	204	264253	48.502	ng	99
62) 4-Nitroaniline	15.419	138	136468	48.038	ng	98
63) Azobenzene	15.507	77	488635	48.873	ng	99
65) 4,6-Dinitro-2-methylph...	15.349	198	110806	55.801	ng	100
66) n-Nitrosodiphenylamine	15.460	169	480687	53.639	ng	99
67) 4-Bromophenyl-phenylether	16.095	248	183552	51.636	ng	96
68) Hexachlorobenzene	16.206	284	239514	51.404	ng	96
69) Atrazine	16.394	200	175750	63.970	ng	99
70) Pentachlorophenol	16.612	266	318487	118.749	ng	100
71) Phenanthrene	16.958	178	886931	54.818	ng	98
72) Anthracene	17.047	178	910929	57.659	ng	97
73) Carbazole	17.376	167	887896	54.927	ng	98
74) Di-n-butylphthalate	17.822	149	994936	55.908	ng	97
75) Fluoranthene	18.962	202	1137758	57.897	ng	97
77) Benzidine	19.215	184	616854	101.746	ng	100
78) Pyrene	19.332	202	1246783	47.462	ng	96
80) Butylbenzylphthalate	20.178	149	574460	49.883	ng	99
81) Benzo(a)anthracene	21.060	228	1502570	55.963	ng	97
82) 3,3'-Dichlorobenzidine	21.030	252	405135	38.520	ng	99
83) Chrysene	21.118	228	1421272	54.750	ng	95
84) Bis(2-ethylhexyl)phtha...	20.883	149	866491	56.639	ng	98
85) Di-n-octyl phthalate	21.729	149	1604170	63.887	ng	98
87) Indeno(1,2,3-cd)pyrene	25.713	276	2624782	55.365	ng	99
88) Benzo(b)fluoranthene	22.664	252	1864655	50.509	ng	97
89) Benzo(k)fluoranthene	22.705	252	1844442	53.477	ng	97
90) Benzo(a)pyrene	23.263	252	1828766	56.643	ng	99
91) Dibenzo(a,h)anthracene	25.701	278	2155765	55.030	ng	99
92) Benzo(g,h,i)perylene	26.453	276	2002488	49.612	ng	99

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

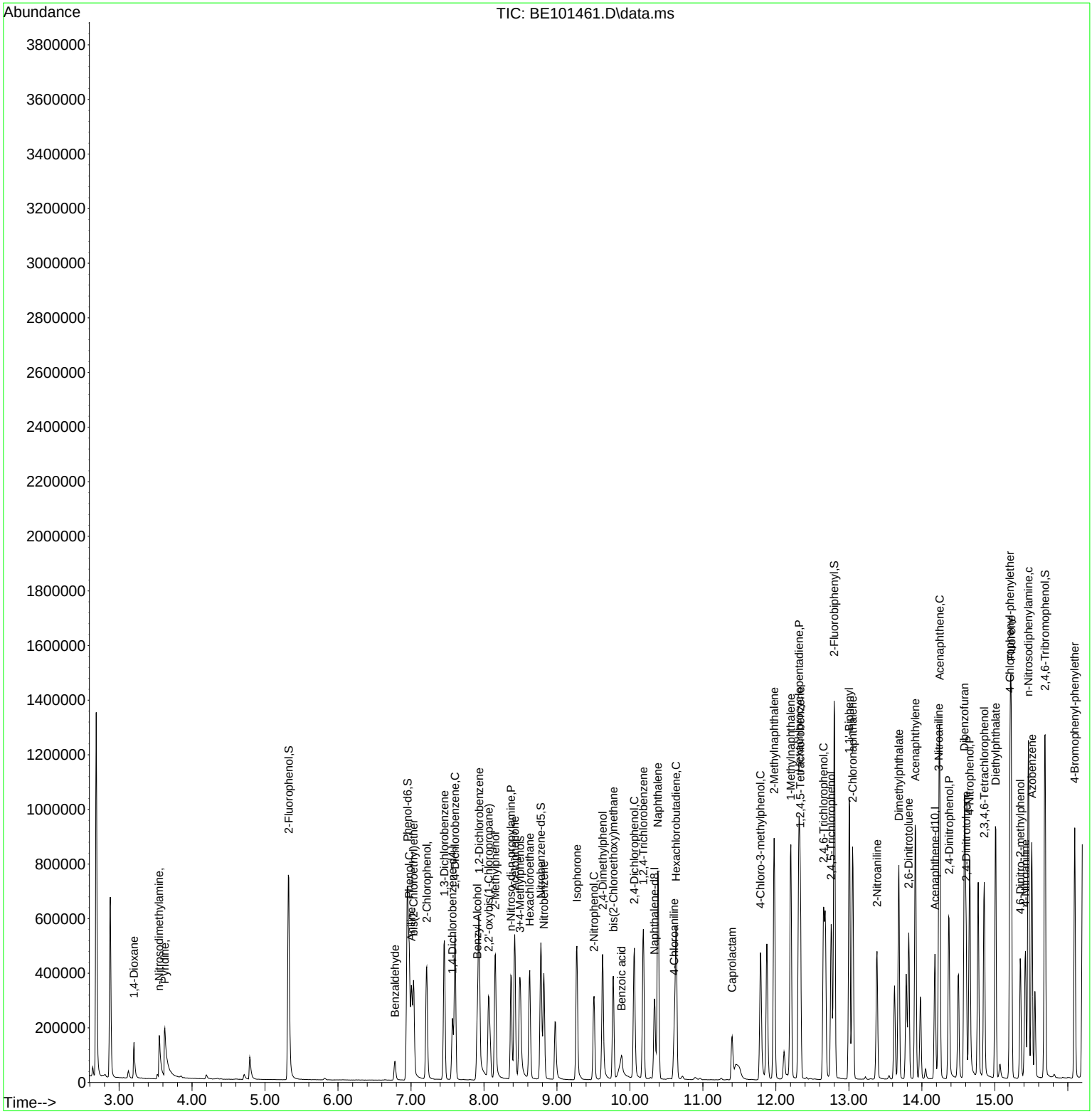
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110424\
Data File : BE101461.D
Acq On : 4 Nov 2024 18:38
Operator : RC/JU
Sample : P4675-04MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 04 22:06:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
COMP-4MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



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Manual Integrations APPROVED

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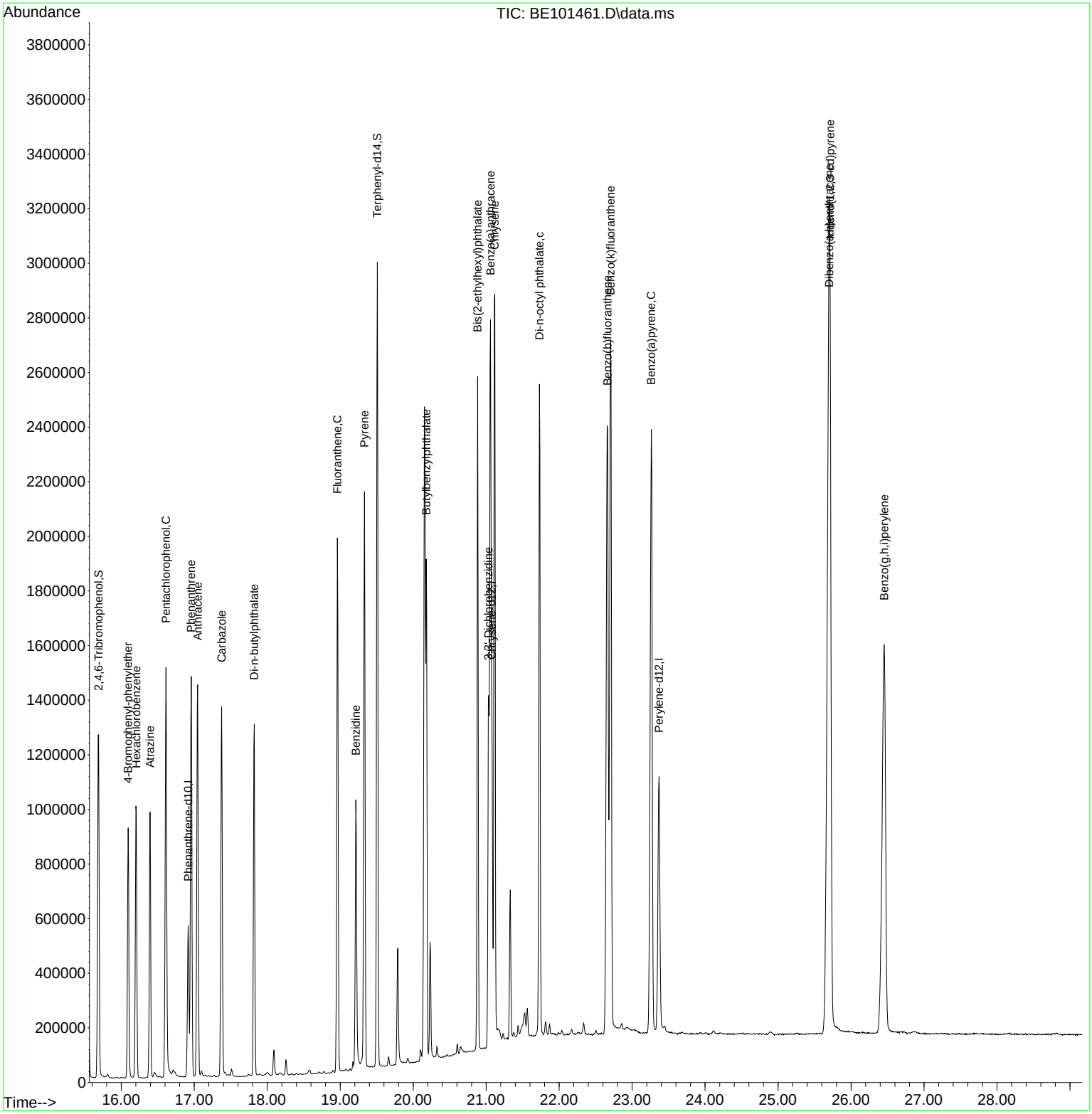
Supervised By :mohammad ahmed 11/06/2024



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Manual Integration Report

Sequence:	BE102824	Instrument	BNA_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BE101390.D	bis(2-Chloroethyl)ether	yogesh	10/29/2024 4:56:49 AM	mohammad	10/30/2024 2:48:38 AM	Peak Integrated by Software
SSTDICC005	BE101390.D	Caprolactam	yogesh	10/29/2024 4:56:49 AM	mohammad	10/30/2024 2:48:38 AM	Peak Integrated by Software
SSTDICC005	BE101390.D	n-Nitrosodimethylamine	yogesh	10/29/2024 4:56:49 AM	mohammad	10/30/2024 2:48:38 AM	Peak Integrated by Software
SSTDICC005	BE101390.D	Pyridine	yogesh	10/29/2024 4:56:49 AM	mohammad	10/30/2024 2:48:38 AM	Peak Integrated by Software
SSTDICC010	BE101391.D	Benzoic acid	yogesh	10/29/2024 4:56:53 AM	mohammad	10/30/2024 2:48:38 AM	Peak Integrated by Software
SSTDICC010	BE101391.D	bis(2-Chloroethyl)ether	yogesh	10/29/2024 4:56:53 AM	mohammad	10/30/2024 2:48:38 AM	Peak Integrated by Software
SSTDICC010	BE101391.D	Caprolactam	yogesh	10/29/2024 4:56:53 AM	mohammad	10/30/2024 2:48:38 AM	Peak Integrated by Software
SSTDICC010	BE101391.D	n-Nitrosodimethylamine	yogesh	10/29/2024 4:56:53 AM	mohammad	10/30/2024 2:48:38 AM	Peak Integrated by Software
SSTDICC010	BE101391.D	Pyridine	yogesh	10/29/2024 4:56:53 AM	mohammad	10/30/2024 2:48:38 AM	Peak Integrated by Software
SSTDICC020	BE101392.D	bis(2-Chloroethyl)ether	yogesh	10/29/2024 4:56:57 AM	mohammad	10/30/2024 2:48:38 AM	Peak Integrated by Software
SSTDICC020	BE101392.D	Pyridine	yogesh	10/29/2024 4:56:57 AM	mohammad	10/30/2024 2:48:38 AM	Peak Integrated by Software
SSTDICCC040	BE101393.D	bis(2-Chloroethyl)ether	yogesh	10/29/2024 4:57:01 AM	mohammad	10/30/2024 2:48:38 AM	Peak Integrated by Software
SSTDICCC040	BE101393.D	Pyridine	yogesh	10/29/2024 4:57:01 AM	mohammad	10/30/2024 2:48:38 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BE102824	Instrument	BNA_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC050	BE101394.D	Caprolactam	yogesh	10/29/2024 4:57:05 AM	mohammad	10/30/2024 2:48:38 AM	Peak Integrated by Software
SSTDICC050	BE101394.D	Pyridine	yogesh	10/29/2024 4:57:05 AM	mohammad	10/30/2024 2:48:38 AM	Peak Integrated by Software
SSTDICC060	BE101395.D	Benzo(k)fluoranthene	yogesh	10/29/2024 4:57:10 AM	mohammad	10/30/2024 2:48:38 AM	Peak Integrated by Software
SSTDICC060	BE101395.D	Caprolactam	yogesh	10/29/2024 4:57:10 AM	mohammad	10/30/2024 2:48:38 AM	Peak Integrated by Software
SSTDICC060	BE101395.D	Pyridine	yogesh	10/29/2024 4:57:10 AM	mohammad	10/30/2024 2:48:38 AM	Peak Integrated by Software
SSTDICC080	BE101396.D	Aniline	yogesh	10/29/2024 4:57:15 AM	mohammad	10/30/2024 2:48:38 AM	Peak Integrated by Software
SSTDICC080	BE101396.D	bis(2-Chloroethyl)ether	yogesh	10/29/2024 4:57:15 AM	mohammad	10/30/2024 2:48:38 AM	Peak Integrated by Software
SSTDICC080	BE101396.D	Caprolactam	yogesh	10/29/2024 4:57:15 AM	mohammad	10/30/2024 2:48:38 AM	Peak Integrated by Software
SSTDICC080	BE101396.D	Pyridine	yogesh	10/29/2024 4:57:15 AM	mohammad	10/30/2024 2:48:38 AM	Peak Integrated by Software
SSTDICV040	BE101397.D	Aniline	yogesh	10/29/2024 4:57:19 AM	mohammad	10/30/2024 2:48:38 AM	Peak Integrated by Software
SSTDICV040	BE101397.D	Pyridine	yogesh	10/29/2024 4:57:19 AM	mohammad	10/30/2024 2:48:38 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	Be110424	Instrument	BNA_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BE101453.D	bis(2-Chloroethyl)ether	Jagrut	11/5/2024 2:11:11 PM	mohammad	11/6/2024 3:14:23 AM	Peak Integrated by Software
SSTDCCC040	BE101453.D	Caprolactam	Jagrut	11/5/2024 2:11:11 PM	mohammad	11/6/2024 3:14:23 AM	Peak Integrated by Software
P4675-04MS	BE101460.D	Caprolactam	Jagrut	11/5/2024 2:11:17 PM	mohammad	11/6/2024 3:14:23 AM	Peak Integrated by Software
P4675-04MSD	BE101461.D	Caprolactam	Jagrut	11/5/2024 2:11:20 PM	mohammad	11/6/2024 3:14:23 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	be110524	Instrument	BNA_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BE101472.D	Caprolactam	yogesh	11/6/2024 3:08:33 AM	mohammad	11/6/2024 3:16:26 AM	Peak Integrated by Software
PB164639BS	BE101474.D	Caprolactam	yogesh	11/6/2024 3:08:34 AM	mohammad	11/6/2024 3:16:26 AM	Peak Integrated by Software
PB164639BS	BE101474.D	Pyridine	yogesh	11/6/2024 3:08:34 AM	mohammad	11/6/2024 3:16:26 AM	Peak Integrated by Software
P4675-02	BE101476.D	Benzo(b)fluoranthene	yogesh	11/6/2024 3:08:36 AM	mohammad	11/6/2024 3:16:26 AM	Peak Integrated by Software

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Instrument ID: BNA_E

Daily Analysis Runlog For Sequence/QCBatch ID # BE102824

Review By	yogesh	Review On	10/29/2024 4:57:44 AM				
Supervise By	mohammad	Supervise On	10/30/2024 2:48:38 AM				
SubDirectory	BE102824	HP Acquire Method	BNA_E		HP Processing Method	be102824	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12323,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BE101388.D	28 Oct 2024 10:51	RC/JU	Ok
2	SSTDICC2.5	BE101389.D	28 Oct 2024 11:44	RC/JU	Ok
3	SSTDICC005	BE101390.D	28 Oct 2024 12:23	RC/JU	Ok,M
4	SSTDICC010	BE101391.D	28 Oct 2024 12:59	RC/JU	Ok,M
5	SSTDICC020	BE101392.D	28 Oct 2024 13:35	RC/JU	Ok,M
6	SSTDICCC040	BE101393.D	28 Oct 2024 14:11	RC/JU	Ok,M
7	SSTDICC050	BE101394.D	28 Oct 2024 14:49	RC/JU	Ok,M
8	SSTDICC060	BE101395.D	28 Oct 2024 15:25	RC/JU	Ok,M
9	SSTDICC080	BE101396.D	28 Oct 2024 16:01	RC/JU	Ok,M
10	SSTDICV040	BE101397.D	28 Oct 2024 16:37	RC/JU	Ok,M
11	PB164444BL	BE101398.D	28 Oct 2024 17:16	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_E

Daily Analysis Runlog For Sequence/QCBatch ID # BE110424

Review By	Jagrut	Review On	11/5/2024 2:11:37 PM				
Supervise By	mohammad	Supervise On	11/6/2024 3:14:23 AM				
SubDirectory	BE110424	HP Acquire Method	BNA_E			HP Processing Method	be102824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12324,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BE101452.D	4 Nov 2024 12:13	RC/JU	Ok
2	SSTDCCC040	BE101453.D	4 Nov 2024 12:49	RC/JU	Ok,M
3	PB164593BL	BE101454.D	4 Nov 2024 13:25	RC/JU	Ok
4	PB164593BS	BE101455.D	4 Nov 2024 14:04	RC/JU	Ok,M
5	P4667-13	BE101456.D	4 Nov 2024 15:42	RC/JU	Ok
6	P4680-05	BE101457.D	4 Nov 2024 16:18	RC/JU	Ok
7	P4680-01	BE101458.D	4 Nov 2024 16:51	RC/JU	ReRun
8	P4675-04	BE101459.D	4 Nov 2024 17:27	RC/JU	Ok
9	P4675-04MS	BE101460.D	4 Nov 2024 18:02	RC/JU	Ok,M
10	P4675-04MSD	BE101461.D	4 Nov 2024 18:38	RC/JU	Ok,M
11	P4675-03	BE101462.D	4 Nov 2024 19:14	RC/JU	Ok
12	P4675-01	BE101463.D	4 Nov 2024 19:50	RC/JU	Ok
13	P4675-02	BE101464.D	4 Nov 2024 20:26	RC/JU	ReRun
14	P4675-05	BE101465.D	4 Nov 2024 21:01	RC/JU	ReRun
15	P4675-06	BE101466.D	4 Nov 2024 21:37	RC/JU	ReRun
16	P4667-05	BE101467.D	4 Nov 2024 22:13	RC/JU	ReRun
17	P4667-01	BE101468.D	4 Nov 2024 22:49	RC/JU	Ok
18	P4667-09	BE101469.D	4 Nov 2024 23:25	RC/JU	Ok
19	P4679-01	BE101470.D	5 Nov 2024 00:01	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_E

Daily Analysis Runlog For Sequence/QCBatch ID # BE110524

Review By	yogesh	Review On	11/6/2024 3:08:53 AM				
Supervise By	mohammad	Supervise On	11/6/2024 3:16:26 AM				
SubDirectory	BE110524	HP Acquire Method	BNA_E		HP Processing Method	be102824	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12324,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BE101471.D	5 Nov 2024 10:12	RC/JU	Ok
2	SSTDCCC040	BE101472.D	5 Nov 2024 10:48	RC/JU	Ok,M
3	PB164639BL	BE101473.D	5 Nov 2024 11:33	RC/JU	Ok
4	PB164639BS	BE101474.D	5 Nov 2024 12:09	RC/JU	Ok,M
5	P4680-01	BE101475.D	5 Nov 2024 12:44	RC/JU	Ok
6	P4675-02	BE101476.D	5 Nov 2024 13:20	RC/JU	Ok,M
7	P4675-05	BE101477.D	5 Nov 2024 13:56	RC/JU	Ok
8	P4675-06	BE101478.D	5 Nov 2024 14:32	RC/JU	Ok
9	P4667-05	BE101479.D	5 Nov 2024 15:08	RC/JU	Ok
10	P4640-04	BE101480.D	5 Nov 2024 15:43	RC/JU	Ok
11	P4640-04MS	BE101481.D	5 Nov 2024 16:16	RC/JU	Ok,M
12	P4640-04MSD	BE101482.D	5 Nov 2024 16:52	RC/JU	Ok,M
13	P4643-04	BE101483.D	5 Nov 2024 17:28	RC/JU	Ok
14	P4643-08	BE101484.D	5 Nov 2024 18:04	RC/JU	Ok
15	P4643-12	BE101485.D	5 Nov 2024 18:39	RC/JU	Ok
16	P4682-02	BE101486.D	5 Nov 2024 19:15	RC/JU	Ok
17	P4645-04	BE101487.D	5 Nov 2024 19:51	RC/JU	Ok
18	P4660-03	BE101488.D	5 Nov 2024 20:27	RC/JU	Ok
19	P4682-01	BE101489.D	5 Nov 2024 21:03	RC/JU	Ok,M
20	P4685-01	BE101490.D	5 Nov 2024 21:38	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_E

Daily Analysis Runlog For Sequence/QCBatch ID # BE102824

Review By	yogesh	Review On	10/29/2024 4:57:44 AM		
Supervise By	mohammad	Supervise On	10/30/2024 2:48:38 AM		
SubDirectory	BE102824	HP Acquire Method	BNA_E	HP Processing Method	be102824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12323,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BE101388.D	28 Oct 2024 10:51		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BE101389.D	28 Oct 2024 11:44		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BE101390.D	28 Oct 2024 12:23	Compound #32,54,56,65 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BE101391.D	28 Oct 2024 12:59		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BE101392.D	28 Oct 2024 13:35	Compound #32,54 Kept on LR	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BE101393.D	28 Oct 2024 14:11	The Calibration is Good For 8270 DOD Except com#77 and Not good for 625.1 Method	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BE101394.D	28 Oct 2024 14:49	Com#77(Benzidine) Failed in the calibration for both DOD and NON-DOD	RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BE101395.D	28 Oct 2024 15:25	Compound #69 removed from 60ppm	RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BE101396.D	28 Oct 2024 16:01	Compound #9,69,79 removed from 80ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBE102824	BE101397.D	28 Oct 2024 16:37	ICV Fail for Com#77 for Both DOD and NON-DOD	RC/JU	Ok,M
11	PB164444BL	PB164444BL	BE101398.D	28 Oct 2024 17:16		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_E

Daily Analysis Runlog For Sequence/QCBatch ID # BE110424

Review By	Jagrut	Review On	11/5/2024 2:11:37 PM		
Supervise By	mohammad	Supervise On	11/6/2024 3:14:23 AM		
SubDirectory	BE110424	HP Acquire Method	BNA_E	HP Processing Method	be102824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12324,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BE101452.D	4 Nov 2024 12:13		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BE101453.D	4 Nov 2024 12:49		RC/JU	Ok,M
3	PB164593BL	PB164593BL	BE101454.D	4 Nov 2024 13:25		RC/JU	Ok
4	PB164593BS	PB164593BS	BE101455.D	4 Nov 2024 14:04		RC/JU	Ok,M
5	P4667-13	BP-F-7	BE101456.D	4 Nov 2024 15:42		RC/JU	Ok
6	P4680-05	BP-F25	BE101457.D	4 Nov 2024 16:18		RC/JU	Ok
7	P4680-01	BP-F26	BE101458.D	4 Nov 2024 16:51	Internal Standard Fail	RC/JU	ReRun
8	P4675-04	COMP-4	BE101459.D	4 Nov 2024 17:27	Internal Standard Fail	RC/JU	Ok
9	P4675-04MS	COMP-4MS	BE101460.D	4 Nov 2024 18:02	Internal Standard Fail	RC/JU	Ok,M
10	P4675-04MSD	COMP-4MSD	BE101461.D	4 Nov 2024 18:38	Internal Standard Fail	RC/JU	Ok,M
11	P4675-03	COMP-3	BE101462.D	4 Nov 2024 19:14		RC/JU	Ok
12	P4675-01	COMP-1	BE101463.D	4 Nov 2024 19:50		RC/JU	Ok
13	P4675-02	COMP-2	BE101464.D	4 Nov 2024 20:26	Internal Standard Fail	RC/JU	ReRun
14	P4675-05	COMP-5	BE101465.D	4 Nov 2024 21:01	Internal Standard Fail	RC/JU	ReRun
15	P4675-06	COMP-6	BE101466.D	4 Nov 2024 21:37	Internal Standard Fail	RC/JU	ReRun
16	P4667-05	BP-F-5	BE101467.D	4 Nov 2024 22:13	Internal Standard Fail	RC/JU	ReRun
17	P4667-01	BP-F-6	BE101468.D	4 Nov 2024 22:49		RC/JU	Ok
18	P4667-09	BP-F-10	BE101469.D	4 Nov 2024 23:25		RC/JU	Ok

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Instrument ID: BNA_E

Daily Analysis Runlog For Sequence/QCBatch ID # BE110424

Review By	Jagrut	Review On	11/5/2024 2:11:37 PM		
Supervise By	mohammad	Supervise On	11/6/2024 3:14:23 AM		
SubDirectory	BE110424	HP Acquire Method	BNA_E	HP Processing Method	be102824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12324,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4679-01	MH-1	BE101470.D	5 Nov 2024 00:01		RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_E

Daily Analysis Runlog For Sequence/QCBatch ID # BE110524

Review By	yogesh	Review On	11/6/2024 3:08:53 AM		
Supervise By	mohammad	Supervise On	11/6/2024 3:16:26 AM		
SubDirectory	BE110524	HP Acquire Method	BNA_E	HP Processing Method	be102824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12324,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BE101471.D	5 Nov 2024 10:12		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BE101472.D	5 Nov 2024 10:48		RC/JU	Ok,M
3	PB164639BL	PB164639BL	BE101473.D	5 Nov 2024 11:33		RC/JU	Ok
4	PB164639BS	PB164639BS	BE101474.D	5 Nov 2024 12:09		RC/JU	Ok,M
5	P4680-01	BP-F26	BE101475.D	5 Nov 2024 12:44		RC/JU	Ok
6	P4675-02	COMP-2	BE101476.D	5 Nov 2024 13:20		RC/JU	Ok,M
7	P4675-05	COMP-5	BE101477.D	5 Nov 2024 13:56		RC/JU	Ok
8	P4675-06	COMP-6	BE101478.D	5 Nov 2024 14:32		RC/JU	Ok
9	P4667-05	BP-F-5	BE101479.D	5 Nov 2024 15:08		RC/JU	Ok
10	P4640-04	MH-3	BE101480.D	5 Nov 2024 15:43		RC/JU	Ok
11	P4640-04MS	MH-3MS	BE101481.D	5 Nov 2024 16:16		RC/JU	Ok,M
12	P4640-04MSD	MH-3MSD	BE101482.D	5 Nov 2024 16:52		RC/JU	Ok,M
13	P4643-04	BP-F9-ADDITIONAL	BE101483.D	5 Nov 2024 17:28		RC/JU	Ok
14	P4643-08	BP-F8	BE101484.D	5 Nov 2024 18:04		RC/JU	Ok
15	P4643-12	TP-9	BE101485.D	5 Nov 2024 18:39		RC/JU	Ok
16	P4682-02	BELL-SHOP-RAGS	BE101486.D	5 Nov 2024 19:15		RC/JU	Ok
17	P4645-04	Z-02-WC	BE101487.D	5 Nov 2024 19:51		RC/JU	Ok
18	P4660-03	WC-TA2-01-C	BE101488.D	5 Nov 2024 20:27		RC/JU	Ok

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Instrument ID: BNA_E

Daily Analysis Runlog For Sequence/QCBatch ID # BE110524

Review By	yogesh	Review On	11/6/2024 3:08:53 AM		
Supervise By	mohammad	Supervise On	11/6/2024 3:16:26 AM		
SubDirectory	BE110524	HP Acquire Method	BNA_E	HP Processing Method	be102824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12324,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4682-01	BELL-SHOP-RAGS	BE101489.D	5 Nov 2024 21:03	Internal Standrad Fail	RC/JU	Ok,M
20	P4685-01	OK-01-11012024	BE101490.D	5 Nov 2024 21:38		RC/JU	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: jignesh
Analyst: Iwona
Date: 11/4/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 15:15
In Date: 11/01/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:00
Out Date: 11/02/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133250

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P4647-01	01A-01B-01C	1	1.00	1.00	2.00	2.00	100.0	caluk
P4658-01	B-131-1-SB02	2	1.16	8.56	9.72	5.57	51.5	
P4658-02	B-131-2-SB02	3	1.15	8.63	9.78	5.91	55.2	
P4658-03	B-131-3-SB02	4	1.14	8.37	9.51	5.83	56.0	
P4659-02	MH-2-EPH	5	1.14	8.59	9.73	8.7	88.0	
P4659-03	MH-2-VOC	6	1.16	8.70	9.86	8.83	88.2	
P4660-02	WC-TA2-01-C	7	1.13	8.76	9.89	8.92	88.9	
P4660-06	WC-WOOD-01-C	8	1.00	1.00	2.00	2.00	100.0	wood chips
P4660-10	WC-CONCRETE-01-C	9	1.14	8.55	9.69	9.03	92.3	
P4660-12	WC-CONCRETE-01-C	10	1.14	8.54	9.68	9.06	92.7	
P4661-01	102824-A	11	1.00	1.00	2.00	2.00	100.0	wipe sample
P4661-02	102824-B	12	1.00	1.00	2.00	2.00	100.0	wipe sample
P4662-01	102524-DRIP-A	13	1.00	1.00	2.00	2.00	100.0	wipe sample
P4662-02	102524-B	14	1.00	1.00	2.00	2.00	100.0	wipe sample
P4662-03	102524-C	15	1.00	1.00	2.00	2.00	100.0	wipe sample
P4663-01	TENNANT-PAD-2-3-STOCKPILE	16	1.14	8.75	9.89	9.1	91.0	
P4663-02	TENNANT-PAD-2-3-STOCKPILE	17	1.16	8.75	9.91	9.11	90.9	
P4663-03	RES-BUILDING-PAD-NO-11	18	1.16	8.74	9.9	9.19	91.9	
P4663-04	RES-BUILDING-PAD-NO-11	19	1.16	8.67	9.83	9.11	91.7	
P4663-05	RES-BUILDING-PAD-NO-3	20	1.15	8.61	9.76	8.94	90.5	
P4663-06	RES-BUILDING-PAD-NO-3	21	1.16	8.64	9.8	9.04	91.2	
P4663-07	RES-BUILDING-PAD-NO-2	22	1.16	8.46	9.62	8.41	85.7	
P4663-08	RES-BUILDING-PAD-NO-2	23	1.17	8.78	9.95	9.19	91.3	
P4667-01	BP-F-6	24	1.16	8.42	9.58	8.66	89.1	
P4667-02	BP-F-6-EPH	25	1.18	8.51	9.69	8.7	88.4	
P4667-03	BP-F-6-VOC	26	1.19	8.65	9.84	8.88	88.9	
P4667-05	BP-F-5	27	1.16	8.51	9.67	8.76	89.3	

PERCENT SOLID

Supervisor: jignesh
Analyst: Iwona
Date: 11/4/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 15:15
In Date: 11/01/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:00
Out Date: 11/02/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133250

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P4667-06	BP-F-5-EPH	28	1.16	8.52	9.68	8.76	89.2	
P4667-07	BP-F-5-VOC	29	1.17	8.64	9.81	8.79	88.2	
P4667-09	BP-F-10	30	1.17	8.78	9.95	8.98	89.0	
P4667-10	BP-F-10-EPH	31	1.17	8.54	9.71	8.84	89.8	
P4667-11	BP-F-10-VOC	32	1.16	8.81	9.97	9.06	89.7	
P4667-13	BP-F-7	33	1.16	8.71	9.87	8.91	89.0	
P4667-14	BP-F-7-EPH	34	1.17	8.44	9.61	8.57	87.7	
P4667-15	BP-F-7-VOC	35	1.18	8.42	9.6	8.72	89.5	
P4672-01	TAPLPR-SED06-103024-00-T2	36	1.19	8.65	9.84	7.71	75.4	
P4672-02	TAPLPR-SED07-103024-00-T2	37	1.19	8.47	9.66	8.48	86.1	
P4672-03	TAPLPR-SED03-103024-00-T2	38	1.19	8.68	9.87	8.31	82.0	
P4672-04	TAPLPR-SED04-103024-00-T2	39	1.19	8.77	9.96	8.77	86.4	
P4672-05	TAPLPR-SED05-103024-00-T2	40	1.18	8.62	9.8	8.41	83.9	
P4675-01	COMP-1	41	1.18	8.56	9.74	7.85	77.9	
P4675-02	COMP-2	42	1.19	8.48	9.67	8.46	85.7	
P4675-03	COMP-3	43	1.19	8.78	9.97	8.99	88.8	
P4675-04	COMP-4	44	1.18	8.71	9.89	8.4	82.9	
P4675-05	COMP-5	45	1.17	8.54	9.71	8.18	82.1	
P4675-06	COMP-6	46	1.17	8.70	9.87	8.24	81.3	
P4677-01	2410-6346	47	1.00	1.00	2.00	2.00	100.0	PAINT CHIPS
P4679-01	MH-1	48	1.18	8.80	9.98	8.98	88.6	
P4679-02	MH-1-EPH	49	1.19	8.58	9.77	8.65	86.9	
P4679-03	MH-1-VOC	50	1.19	8.62	9.81	8.72	87.4	
P4680-01	BP-F26	51	1.18	8.80	9.98	9.08	89.8	
P4680-02	BP-F26-EPH	52	1.18	8.44	9.62	8.71	89.2	
P4680-03	BP-F26-VOC	53	1.19	8.50	9.69	8.75	88.9	

PERCENT SOLID

Supervisor: jignesh
Analyst: Iwona
Date: 11/4/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 15:15
In Date: 11/01/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:00
Out Date: 11/02/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133250

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P4680-05	BP-F25	54	1.18	8.69	9.87	8.9	88.8	
P4680-06	BP-F25-EPH	55	1.19	8.79	9.98	8.91	87.8	
P4680-07	BP-F25-VOC	56	1.18	8.60	9.78	8.86	89.3	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

LB 183250

WorkList Name : %solid-110124 **WorkList ID :** 185025 **Department :** Wet-Chemistry **Date :** 11-01-2024 12:08:04

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4647-01	01A-01B-01C	Solid	Percent Solids	Cool 4 deg C	BSIG01	K61	10/31/2024	Chemtech -SO
P4658-01	B-131-1-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	K61	10/31/2024	Chemtech -SO
P4658-02	B-131-2-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	K61	10/31/2024	Chemtech -SO
P4658-03	B-131-3-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	K61	10/31/2024	Chemtech -SO
P4659-02	MH-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/31/2024	Chemtech -SO
P4659-03	MH-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/31/2024	Chemtech -SO
P4660-02	WC-TA2-01-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	K41	10/30/2024	Chemtech -SO
P4660-06	WC-WOOD-01-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	K41	10/31/2024	Chemtech -SO
P4660-10	WC-CONCRETE-01-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	K41	10/31/2024	Chemtech -SO
P4660-12	WC-CONCRETE-01-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	K41	10/31/2024	Chemtech -SO
P4661-01	102824-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4661-02	102824-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4662-01	102524-DRIP-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/31/2024	Chemtech -SO
P4662-02	102524-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/31/2024	Chemtech -SO
P4662-03	102524-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/31/2024	Chemtech -SO
P4663-01	TENNANT-PAD-2-3-STOCKPIL	Solid	Percent Solids	Cool 4 deg C	UNIO02	K41	10/31/2024	Chemtech -SO
P4663-02	TENNANT-PAD-2-3-STOCKPIL	Solid	Percent Solids	Cool 4 deg C	UNIO02	K41	10/31/2024	Chemtech -SO
P4663-03	RES-BUILDING-PAD-NO-11	Solid	Percent Solids	Cool 4 deg C	UNIO02	K41	10/31/2024	Chemtech -SO
P4663-04	RES-BUILDING-PAD-NO-11	Solid	Percent Solids	Cool 4 deg C	UNIO02	K41	10/31/2024	Chemtech -SO
P4663-05	RES-BUILDING-PAD-NO-3	Solid	Percent Solids	Cool 4 deg C	UNIO02	K41	10/31/2024	Chemtech -SO
P4663-06	RES-BUILDING-PAD-NO-3	Solid	Percent Solids	Cool 4 deg C	UNIO02	K41	10/31/2024	Chemtech -SO

Date/Time 11/01/24 15:20

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 11/01/24 17:20

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %solid-110124 **WorkList ID :** 185025 **Department :** Wet-Chemistry **Date :** 11-01-2024 12:08:04

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4663-07	RES-BUILDING-PAD-NO-2	Solid	Percent Solids	Cool 4 deg C	UNIO02	K41	10/31/2024	Chemtech -SO
P4663-08	RES-BUILDING-PAD-NO-2	Solid	Percent Solids	Cool 4 deg C	UNIO02	K41	10/31/2024	Chemtech -SO
P4667-01	BP-F-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-02	BP-F-6-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-03	BP-F-6-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-05	BP-F-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-06	BP-F-5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-07	BP-F-5-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-09	BP-F-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-10	BP-F-10-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-11	BP-F-10-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-13	BP-F-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-14	BP-F-7-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-15	BP-F-7-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4672-01	TAPLPR-SED06-103024-00-T2	Solid	Percent Solids	Cool 4 deg C	WEST04	K41	10/30/2024	Chemtech -SO
P4672-02	TAPLPR-SED07-103024-00-T2	Solid	Percent Solids	Cool 4 deg C	WEST04	K41	10/30/2024	Chemtech -SO
P4672-03	TAPLPR-SED03-103024-00-T2	Solid	Percent Solids	Cool 4 deg C	WEST04	K41	10/30/2024	Chemtech -SO
P4672-04	TAPLPR-SED04-103024-00-T2	Solid	Percent Solids	Cool 4 deg C	WEST04	K41	10/30/2024	Chemtech -SO
P4672-05	TAPLPR-SED05-103024-00-T2	Solid	Percent Solids	Cool 4 deg C	WEST04	K41	10/30/2024	Chemtech -SO
P4675-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	POWE02	K41	10/31/2024	Chemtech -SO
P4675-02	COMP-2	Solid	Percent Solids	Cool 4 deg C	POWE02	K41	10/31/2024	Chemtech -SO

Date/Time 11/01/2024 ~~14:00~~ 15:30

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 11/01/2024 ~~15:30~~ 17:20

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %solid-110124 **WorkList ID :** 185025 **Department :** Wet-Chemistry **Date :** 11-01-2024 12:08:04

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4675-03	COMP-3	Solid	Percent Solids	Cool 4 deg C	POWE02	K41	10/31/2024	Chemtech -SO
P4675-04	COMP-4	Solid	Percent Solids	Cool 4 deg C	POWE02	K41	10/31/2024	Chemtech -SO
P4675-05	COMP-5	Solid	Percent Solids	Cool 4 deg C	POWE02	K41	10/31/2024	Chemtech -SO
P4675-06	COMP-6	Solid	Percent Solids	Cool 4 deg C	POWE02	K41	10/31/2024	Chemtech -SO
P4677-01	2410-6346	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	11/01/2024	Chemtech -SO
P4679-01	MH-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	11/01/2024	Chemtech -SO
P4679-02	MH-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	11/01/2024	Chemtech -SO
P4679-03	MH-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	11/01/2024	Chemtech -SO
P4680-01	BP-F26	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	11/01/2024	Chemtech -SO
P4680-02	BP-F26-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	11/01/2024	Chemtech -SO
P4680-03	BP-F26-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	11/01/2024	Chemtech -SO
P4680-05	BP-F25	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	11/01/2024	Chemtech -SO
P4680-06	BP-F25-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	11/01/2024	Chemtech -SO
P4680-07	BP-F25-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	11/01/2024	Chemtech -SO

Date/Time 11/01/24 15:30

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: [illegible]

17:30

Date/Time 11/01/24 ~~15:30~~

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: [illegible]

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB164639

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: RJ

Extraction By: RJ

Balance check: RJ

Filter By: RJ

Balance ID: EX-SC-2

pH Meter ID: N/A

pH Strip Lot#: N/A

Hood ID: 3,7

Extraction Start Date : 11/04/2024

Extraction Start Time : 08:45

Extraction End Date : 11/04/2024

Extraction End Time : 12:00

Concentration By: RS

Supervisor By : rajesh

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

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6630
Surrogate	1.0ML	100/150 PPM	SP6638
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2538
Baked Na2SO4	N/A	EP2556
Sand	N/A	E2865
Methylene Chloride	N/A	E3822
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/4/24 12:05	RP (Set 103)	RC/SVOC.
	Preparation Group	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB164639

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 10/04/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164639BL	SBLK639	SVOC-TCL BNA -20	30.01	N/A	ritesh	RUPESH	1			U5-1
PB164639BS	SLCS639	SVOC-TCL BNA -20	30.02	N/A	ritesh	RUPESH	1			2
P4667-01	BP-F-6	SVOC-TCL BNA -20	50.04	N/A	ritesh	RUPESH	1	D		3
P4667-05	BP-F-5	SVOC-TCL BNA -20	50.03	N/A	ritesh	RUPESH	1	D		4
P4667-09	BP-F-10	SVOC-TCL BNA -20	50.06	N/A	ritesh	RUPESH	1	D		5
P4667-13	BP-F-7	SVOC-TCL BNA -20	50.02	N/A	ritesh	RUPESH	1	D		6
P4675-01	COMP-1	SVOCMS Group1	30.01	N/A	ritesh	RUPESH	1	E		U6-1
P4675-02	COMP-2	SVOCMS Group1	30.05	N/A	ritesh	RUPESH	1	E		2
P4675-03	COMP-3	SVOCMS Group1	30.08	N/A	ritesh	RUPESH	1	E		3
P4675-04	COMP-4	SVOCMS Group1	30.02	N/A	ritesh	RUPESH	1	E		4
P4675-04MS	COMP-4MS	SVOCMS Group1	30.09	N/A	ritesh	RUPESH	1	E		5
P4675-04MS D	COMP-4MSD	SVOCMS Group1	30.07	N/A	ritesh	RUPESH	1	E		6
P4675-05	COMP-5	SVOCMS Group1	30.04	N/A	ritesh	RUPESH	1	E		U7-1
P4675-06	COMP-6	SVOCMS Group1	30.06	N/A	ritesh	RUPESH	1	E		2
P4679-01	MH-1	SVOC-TCL BNA -20	50.07	N/A	ritesh	RUPESH	1	D		3
P4680-01	BP-F26	SVOC-TCL BNA -20	50.04	N/A	ritesh	RUPESH	1	D		4
P4680-05	BP-F25	SVOC-TCL BNA -20	50.09	N/A	ritesh	RUPESH	1	D		5

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

10/4/24

9.4
166039

WORKLIST(Hardcopy Internal Chain)

WorkList Name : p4675 **WorkList ID :** 185074 **Department :** Extraction **Date :** 11-04-2024 08:16:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4667-01	BP-F-6	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	K51	10/31/2024	8270E
P4667-05	BP-F-5	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	K51	10/31/2024	8270E
P4667-09	BP-F-10	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	K51	10/31/2024	8270E
P4667-13	BP-F-7	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	K51	10/31/2024	8270E
P4675-01	COMP-1	Solid	SVOCMS Group1	Cool 4 deg C	POWE02	K41	10/31/2024	8270E
P4675-02	COMP-2	Solid	SVOCMS Group1	Cool 4 deg C	POWE02	K41	10/31/2024	8270E
P4675-03	COMP-3	Solid	SVOCMS Group1	Cool 4 deg C	POWE02	K41	10/31/2024	8270E
P4675-04	COMP-4	Solid	SVOCMS Group1	Cool 4 deg C	POWE02	K41	10/31/2024	8270E
P4675-05	COMP-5	Solid	SVOCMS Group1	Cool 4 deg C	POWE02	K41	10/31/2024	8270E
P4675-06	COMP-6	Solid	SVOCMS Group1	Cool 4 deg C	POWE02	K41	10/31/2024	8270E
P4679-01	MH-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L11	11/01/2024	8270E
P4680-01	BP-F26	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L12	11/01/2024	8270E
P4680-05	BP-F25	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L12	11/01/2024	8270E

Date/Time 11/6/24 8:40
Raw Sample Received by: RT (Sotelo)
Raw Sample Relinquished by:

Date/Time 11/4/24 9:10
Raw Sample Received by:
Raw Sample Relinquished by: RT (Sotelo)

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. QUOTE NO. P4675
COC Number 2042209

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Kleinfelder
ADDRESS: 25 Gold Drive
CITY Hamilton STATE: NJ ZIP: 08691
ATTENTION: Mark Warchol
PHONE: 609-584-5271 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Harrington School
PROJECT NO. 24005166.001A LOCATION: Philadelphia, PA
PROJECT MANAGER: Mark Warchol
e-mail: mwarchol@kleinfelder.com
PHONE: 484-883-3892 FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS: Same
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) 5 DAYS*
HARDCOPY (DATA PACKAGE): 5 DAYS*
EDD: 5 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ✓ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ EDD FORMAT
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other

ANALYSIS

PADEP Clean Fill Parameters

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	COMP-1	Soil	✓		10/31/24	11:05	4	✓									
2.	COMP-2					11:10	3										
3.	COMP-3					11:15	4										
4.	COMP-4					11:20											
5.	COMP-5					11:25											
6.	COMP-6					11:30											
7.	SB-1			✓		8:45	1										
8.	SB-2					8:55											
9.	SB-3					9:05											
10.	SB-4					9:10											

PRESERVATIVES: E

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	10/31/24 14:00	1.
2.	11-1-24 1105	2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 5.7 °C
Comments: Put grab samples on hold, do not analyze until further notice
IR Gun #1

Page 1 of 2

CLIENT: ☐ Hand Delivered ✓ Other FedEx
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. P4673
QUOTE NO.
COC Number 2042210

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Kleinfelder
ADDRESS: 2 S Gold Drive
CITY Hamilton STATE: NJ ZIP: 08691
ATTENTION: Mark Warchol
PHONE: 609-584-5271 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Harrington School
PROJECT NO. 240051166.001A LOCATION: Philadelphia, PA
PROJECT MANAGER: Mark Warchol
e-mail: mwarchol@kleinfelder.com
PHONE: 484-883-3892 FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS: Same
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) 5 DAYS*
HARDCOPY (DATA PACKAGE): 5 DAYS*
EDD: 5 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☑ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ EDD FORMAT
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other

ANALYSIS

PCBs Dioxins FAT TC Parameters

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	SB-5	Soil		✓	10/31/24	9:20	1	✓									
2.	SB-6					9:30											
3.	SB-7					10:15											
4.	SB-8					10:20											
5.	SB-9					10:30											
6.	SB-10					10:40											
7.	SB-11					10:50											
8.	SB-12					10:55											
9.																	
10.																	

E

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	10/31/24 14:00	1.
2.	11-1-24 1105	2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 5.7 °C
Comments: Put grab samples on hold, do not analyze until further notice
IR-Gun #1

Page 2 of 2

CLIENT: ☐ Hand Delivered ☑ Other Fed Ex
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4675 POWE02
Client Name : Kleinfelder
Client Contact : Mark Warchol
Invoice Name : Kleinfelder
Invoice Contact : Mark Warchol

Order Date : 11/1/2024 11:22:00 AM
Project Name : ~~Edison School~~ Harrington School
Receive DateTime : 11/1/2024 11:05:00 AM
Purchase Order :

Project Mgr :
Report Type : Results+QC
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4675-01	COMP-1	Solid	10/31/2024	11:05	VOCMS Group1		8260D		~~3 Bus. Days~~ 5 Days
P4675-02	COMP-2	Solid	10/31/2024	11:10	VOCMS Group1		8260D		~~3 Bus. Days~~ 5 Days
P4675-03	COMP-3	Solid	10/31/2024	11:15	VOCMS Group1		8260D		~~3 Bus. Days~~ 5 Days
P4675-04	COMP-4	Solid	10/31/2024	11:20	VOCMS Group1		8260D		~~3 Bus. Days~~ 5 Days
P4675-05	COMP-5	Solid	10/31/2024	11:25	VOCMS Group1		8260D		~~3 Bus. Days~~ 5 Days
P4675-06	COMP-6	Solid	10/31/2024	11:30	VOCMS Group1		8260D		~~3 Bus. Days~~ 5 Days

Alliance TECHNICAL GROUP

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	P4675 POWE02	**Order Date :**	11/1/2024 11:22:00 AM	**Project Mgr :**	
Client Name :	Kleinfelder	**Project Name :**	~~Edison School~~ Harrington School.	**Report Type :**	Results+QC
Client Contact :	Mark Warchol	**Receive DateTime :**	11/1/2024 11:05:00 AM	**EDD Type :**	EXCEL NOCLEANUP
Invoice Name :	Kleinfelder	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Mark Warchol			**Date Signoff :**	

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By : _____
Date / Time : 11.1.24 1200

Received By : Sam
Date / Time : 11/01/24 1200 Rq # 6 CE

Storage Area : VOA Refridgerator Room