

Cover Page

Order ID : P4660

Project ID : 540 Degraw St, Brooklyn, NY - E9309

Client : ENTACT

Lab Sample Number

P4660-01
P4660-02
P4660-03
P4660-04
P4660-05
P4660-06
P4660-07
P4660-08
P4660-09
P4660-10
P4660-11
P4660-12

Client Sample Number

WC-TA2-01-G
WC-TA2-01-C
WC-TA2-01-C
WC-TA2-01-C
WC-WOOD-01-G
WC-WOOD-01-C
WC-WOOD-01-C
WC-WOOD-01-C
WC-CONCRETE-01-G
WC-CONCRETE-01-C
WC-CONCRETE-01-C
WC-CONCRETE-01-C

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: 11/13/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4660

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 Custody

✓

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: PATEL VAISHALI

Date: 11/13/2024

LAB CHRONICLE

OrderID:	P4660	OrderDate:	10/31/2024 2:38:00 PM
Client:	ENTACT	Project:	540 Degraw St, Brooklyn, NY - E9309
Contact:	Jarod Stanfield	Location:	K41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4660-03	WC-TA2-01-C	TCLP			10/30/24			10/31/24
			TCLP BNA	8270E		11/05/24	11/05/24	
P4660-07	WC-WOOD-01-C	TCLP			10/31/24			10/31/24
			TCLP BNA	8270E		11/05/24	11/07/24	
P4660-11	WC-CONCRETE-01-C	TCLP			10/31/24			10/31/24
			TCLP BNA	8270E		11/05/24	11/06/24	



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Hit Summary Sheet
SW-846

SDG No.: P4660
Client: ENTACT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	WC-WOOD-01-C							
P4660-07	WC-WOOD-01-C	TCLP	2-Methylphenol	20.700	J	11.3	50	ug/L
			Total Svoc :			20.70		
			Total Concentration:			20.70		



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: P4660

Client: ENTACT

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
P4640-04MS	MH-3MS	2-Fluorophenol	150	141	94		15 (10)	110 (139)
		Phenol-d6	150	128	86		15 (10)	110 (134)
		Nitrobenzene-d5	100	90.9	91		30 (49)	130 (133)
		2-Fluorobiphenyl	100	93.2	93		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	141	94		15 (44)	110 (137)
		Terphenyl-d14	100	95.6	96		30 (48)	130 (125)
P4640-04MSD	MH-3MSD	2-Fluorophenol	150	150	100		15 (10)	110 (139)
		Phenol-d6	150	138	92		15 (10)	110 (134)
		Nitrobenzene-d5	100	94.8	95		30 (49)	130 (133)
		2-Fluorobiphenyl	100	97.4	97		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	146	98		15 (44)	110 (137)
		Terphenyl-d14	100	97.8	98		30 (48)	130 (125)
P4660-03	WC-TA2-01-C	2-Fluorophenol	150	164	110		15 (10)	110 (139)
		Phenol-d6	150	151	101		15 (10)	110 (134)
		Nitrobenzene-d5	100	102	102		30 (49)	130 (133)
		2-Fluorobiphenyl	100	101	101		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	170	113	*	15 (44)	110 (137)
		Terphenyl-d14	100	106	106		30 (48)	130 (125)
P4660-07	WC-WOOD-01-C	2-Fluorophenol	150	160	107		15 (10)	110 (139)
		Phenol-d6	150	146	98		15 (10)	110 (134)
		Nitrobenzene-d5	100	104	104		30 (49)	130 (133)
		2-Fluorobiphenyl	100	99.3	99		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	173	115	*	15 (44)	110 (137)
		Terphenyl-d14	100	94.6	95		30 (48)	130 (125)
P4660-11	WC-CONCRETE-01-C	2-Fluorophenol	150	176	117	*	15 (10)	110 (139)
		Phenol-d6	150	153	102		15 (10)	110 (134)
		Nitrobenzene-d5	100	118	118		30 (49)	130 (133)
		2-Fluorobiphenyl	100	111	111		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	182	121	*	15 (44)	110 (137)
		Terphenyl-d14	100	86.8	87		30 (48)	130 (125)
PB164561BL	PB164561BL	2-Fluorophenol	150	162	108		15 (10)	110 (139)
		Phenol-d6	150	146	97		15 (10)	110 (134)
		Nitrobenzene-d5	100	102	102		30 (49)	130 (133)
		2-Fluorobiphenyl	100	106	106		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	147	98		15 (44)	110 (137)
		Terphenyl-d14	100	101	101		30 (48)	130 (125)
PB164561BS	PB164561BS	2-Fluorophenol	150	147	98		15 (10)	110 (139)
		Phenol-d6	150	136	91		15 (10)	110 (134)
		Nitrobenzene-d5	100	91.0	91		30 (49)	130 (133)
		2-Fluorobiphenyl	100	97.3	97		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	131	88		15 (44)	110 (137)
		Terphenyl-d14	100	94.2	94		30 (48)	130 (125)
PB164561TB	PB164561TB	2-Fluorophenol	150	157	104		15 (10)	110 (139)
		Phenol-d6	150	142	95		15 (10)	110 (134)
		Nitrobenzene-d5	100	97.6	98		30 (49)	130 (133)
		2-Fluorobiphenyl	100	101	101		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	141	94		15 (44)	110 (137)
		Terphenyl-d14	100	97.6	98		30 (48)	130 (125)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4660

Client: ENTACT

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P4640-04MS		Client Sample ID: MH-3MS		DataFile: BE101481.D							
Pyridine	500	0	260	ug/L	52				20 (10)	160 (109)	
1,4-Dichlorobenzene	500	0	260	ug/L	52	*			70 (55)	130 (125)	
2-Methylphenol	500	0	400	ug/L	80				70 (37)	130 (126)	
3+4-Methylphenols	500	0	410	ug/L	82				20 (31)	160 (127)	
Hexachloroethane	500	0	260	ug/L	52				20 (49)	160 (110)	
Nitrobenzene	500	0	370	ug/L	74				70 (62)	130 (112)	
Hexachlorobutadiene	500	0	330	ug/L	66	*			70 (52)	130 (125)	
2,4,6-Trichlorophenol	500	0	500	ug/L	100				70 (78)	130 (112)	
2,4,5-Trichlorophenol	500	0	480	ug/L	96				70 (71)	130 (111)	
2,4-Dinitrotoluene	500	0	460	ug/L	92				70 (50)	130 (142)	
Hexachlorobenzene	500	0	470	ug/L	94				70 (72)	130 (115)	
Pentachlorophenol	1000	0	990	ug/L	99				20 (25)	160 (139)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4660

Client: ENTACT

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P4640-04MSD	Client Sample ID:	MH-3MSD					DataFile:	BE101482.D		
Pyridine	500	0	270	ug/L	54		4		20 (10)	160 (109)	20 (20)
1,4-Dichlorobenzene	500	0	260	ug/L	52	*	0		70 (55)	130 (125)	20 (20)
2-Methylphenol	500	0	440	ug/L	88		10		70 (37)	130 (126)	20 (20)
3+4-Methylphenols	500	0	450	ug/L	90		9		20 (31)	160 (127)	20 (20)
Hexachloroethane	500	0	270	ug/L	54		4		20 (49)	160 (110)	20 (20)
Nitrobenzene	500	0	390	ug/L	78		5		70 (62)	130 (112)	20 (20)
Hexachlorobutadiene	500	0	340	ug/L	68	*	3		70 (52)	130 (125)	20 (20)
2,4,6-Trichlorophenol	500	0	530	ug/L	106		6		70 (78)	130 (112)	20 (20)
2,4,5-Trichlorophenol	500	0	510	ug/L	102		6		70 (71)	130 (111)	20 (20)
2,4-Dinitrotoluene	500	0	480	ug/L	96		4		70 (50)	130 (142)	20 (20)
Hexachlorobenzene	500	0	490	ug/L	98		4		70 (72)	130 (115)	20 (20)
Pentachlorophenol	1000	0	1000	ug/L	100		1		20 (25)	160 (139)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4660

Client: ENTACT

Analytical Method: 8270E DataFile: BE101506.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB164561BS	Pyridine	50	37.3	ug/L	75				20 (29)	160 (97)	
	1,4-Dichlorobenzene	50	45.0	ug/L	90				70 (76)	130 (103)	
	2-Methylphenol	50	47.4	ug/L	95				70 (69)	130 (109)	
	3+4-Methylphenols	50	47.2	ug/L	94				20 (67)	160 (106)	
	Hexachloroethane	50	44.9	ug/L	90				20 (76)	160 (118)	
	Nitrobenzene	50	44.8	ug/L	90				70 (58)	130 (106)	
	Hexachlorobutadiene	50	44.2	ug/L	88				70 (69)	130 (101)	
	2,4,6-Trichlorophenol	50	49.4	ug/L	99				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	47.5	ug/L	95				70 (70)	130 (106)	
	2,4-Dinitrotoluene	50	44.0	ug/L	88				70 (60)	130 (115)	
	Hexachlorobenzene	50	46.9	ug/L	94				70 (73)	130 (106)	
	Pentachlorophenol	100	98.3	ug/L	98				20 (47)	160 (114)	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164561BL

Lab Name: CHEMTECH

Contract: ENTA05

Lab Code: CHEM Case No.: P4660

SAS No.: P4660 SDG NO.: P4660

Lab File ID: BE101502.D

Lab Sample ID: PB164561BL

Instrument ID: BNA_E

Date Extracted: 11/05/2024

Matrix: (soil/water) water

Date Analyzed: 11/06/2024

Level: (low/med) LOW

Time Analyzed: 19:16

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
WC-CONCRETE-01-C	P4660-11	BE101507.D	11/06/2024
WC-WOOD-01-C	P4660-07	BE101516.D	11/07/2024
PB164561TB	PB164561TB	BE101505.D	11/06/2024
PB164561BS	PB164561BS	BE101506.D	11/06/2024
MH-3MS	P4640-04MS	BE101481.D	11/05/2024
MH-3MSD	P4640-04MSD	BE101482.D	11/05/2024
WC-TA2-01-C	P4660-03	BE101488.D	11/05/2024

COMMENTS: _____



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: ENTA05Lab Code: CHEMSAS No.: P4660 SDG NO.: P4660Lab File ID: BE101388.DDFTPP Injection Date: 10/28/2024Instrument ID: BNA_EDFTPP 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: CHEMTECHContract: ENTA05Lab Code: CHEMSAS No.: P4660 SDG NO.: P4660Lab File ID: BE101471.DDFTPP Injection Date: 11/05/2024Instrument ID: BNA_EDFTPP 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
MH-3MS	P4640-04MS	BE101481.D	11/05/2024	16:16
MH-3MSD	P4640-04MSD	BE101482.D	11/05/2024	16:52
WC-TA2-01-C	P4660-03	BE101488.D	11/05/2024	20:27



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: ENTA05Lab Code: CHEMSAS No.: P4660SDG NO.: P4660Lab File ID: BE101491.DDFTPP Injection Date: 11/06/2024Instrument ID: BNA_EDFTPP Injection Time: 11:40

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	14.8
68	Less than 2.0% of mass 69	0.2 (1.3) 1
69	Mass 69 relative abundance	16
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	23.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	3.6
275	10.0 - 60.0% of mass 198	18.3
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	19.6 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BE101493.D	11/06/2024	13:51
SSTDICC005	SSTDICC005	BE101494.D	11/06/2024	14:27
SSTDICC010	SSTDICC010	BE101495.D	11/06/2024	15:03
SSTDICC020	SSTDICC020	BE101496.D	11/06/2024	15:39
SSTDICCC040	SSTDICCC040	BE101497.D	11/06/2024	16:14
SSTDICC050	SSTDICC050	BE101498.D	11/06/2024	16:50
SSTDICC060	SSTDICC060	BE101499.D	11/06/2024	17:26
SSTDICC080	SSTDICC080	BE101500.D	11/06/2024	18:02
PB164561BL	PB164561BL	BE101502.D	11/06/2024	19:16



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: ENTA05Lab Code: CHEMSAS No.: P4660 SDG NO.: P4660Lab File ID: BE101503.DDFTPP Injection Date: 11/06/2024Instrument ID: BNA_EDFTPP Injection Time: 19:52

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	15.4
68	Less than 2.0% of mass 69	0.1 (0.9) 1
69	Mass 69 relative abundance	16.3
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	23.3
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	3.6
275	10.0 - 60.0% of mass 198	18.4
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	16.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BE101504.D	11/06/2024	20:28
PB164561TB	PB164561TB	BE101505.D	11/06/2024	21:04
PB164561BS	PB164561BS	BE101506.D	11/06/2024	21:40
WC-CONCRETE-01-C	P4660-11	BE101507.D	11/06/2024	22:15
WC-WOOD-01-C	P4660-07	BE101516.D	11/07/2024	03:38

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

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 MH-3MS	74749	7.57	324674	10.34	214275	14.18
02 MH-3MSD	70903	7.57	316494	10.34	211098	14.18
03 WC-TA2-01-C	57343	7.57	245737	10.34	174187	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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

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 MH-3MS	468131	16.92	544407	21.08	697857	23.37
02 MH-3MSD	458730	16.92	529239	21.08	687004	23.37
03 WC-TA2-01-C	416458	16.91	485314	21.07	618963	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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

EPA Sample No.: SSTDICCC040 Date Analyzed: 11/06/2024

Lab File ID: BE101497.D Time Analyzed: 16:14

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	65428	7.563	303330	10.33	215457	14.17
UPPER LIMIT	130856	8.063	606660	10.831	430914	14.673
LOWER LIMIT	32714	7.063	151665	9.831	107729	13.673
EPA SAMPLE NO.						
01 PB164561BL	49754	7.56	204369	10.33	133519	14.17

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

EPA Sample No.: SSTDICCC040 Date Analyzed: 11/06/2024

Lab File ID: BE101497.D Time Analyzed: 16:14

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	491742	16.911	550275	21.077	716867	23.357
UPPER LIMIT	983484	17.411	1100550	21.577	1433730	23.857
LOWER LIMIT	245871	16.411	275138	20.577	358434	22.857
EPA SAMPLE NO.						
01 PB164561BL	306761	16.91	392502	21.07	573520	23.35

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/06/2024

Lab File ID: BE101504.D Time Analyzed: 20:28

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	70453	7.559	326960	10.33	230956	14.18
UPPER LIMIT	140906	8.059	653920	10.832	461912	14.675
LOWER LIMIT	35226.5	7.059	163480	9.832	115478	13.675
EPA SAMPLE NO.						
01 PB164561BS	49257	7.56	217361	10.33	139774	14.17
02 PB164561TB	53927	7.57	223555	10.33	146954	14.17
03 WC-CONCRETE-01-C	46975	7.56	200241	10.33	139072	14.17
04 WC-WOOD-01-C	43720	7.56	200694	10.33	141864	14.17

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/06/2024

Lab File ID: BE101504.D Time Analyzed: 20:28

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	529782	16.913	603519	21.072	779379	23.358
UPPER LIMIT	1059560	17.413	1207040	21.572	1558760	23.858
LOWER LIMIT	264891	16.413	301760	20.572	389690	22.858
EPA SAMPLE NO.						
01 PB164561BS	295636	16.91	377795	21.07	554255	23.35
02 PB164561TB	335497	16.91	420702	21.07	609595	23.35
03 WC-CONCRETE-01-C	335687	16.91	438455	21.07	582677	23.35
04 WC-WOOD-01-C	364933	16.91	491415	21.07	502658	23.35

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



SAMPLE DATA

Report of Analysis

Client:	ENTACT	Date Collected:	10/30/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/31/24
Client Sample ID:	WC-TA2-01-C	SDG No.:	P4660
Lab Sample ID:	P4660-03	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BE101488.D	1	11/05/24 08:54	11/05/24 20:27	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	164		15 (10) - 110 (139)	110%	SPK: 150
13127-88-3	Phenol-d6	151		15 (10) - 110 (134)	101%	SPK: 150
4165-60-0	Nitrobenzene-d5	102		30 (49) - 130 (133)	102%	SPK: 100
321-60-8	2-Fluorobiphenyl	101		30 (52) - 130 (132)	101%	SPK: 100
118-79-6	2,4,6-Tribromophenol	170	*	15 (44) - 110 (137)	113%	SPK: 150
1718-51-0	Terphenyl-d14	106		30 (48) - 130 (125)	106%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	57300	7.57			
1146-65-2	Naphthalene-d8	246000	10.338			
15067-26-2	Acenaphthene-d10	174000	14.18			
1517-22-2	Phenanthrene-d10	416000	16.912			
1719-03-5	Chrysene-d12	485000	21.072			
1520-96-3	Perylene-d12	619000	23.363			

Report of Analysis

Client:	ENTACT	Date Collected:	10/30/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/31/24
Client Sample ID:	WC-TA2-01-C	SDG No.:	P4660
Lab Sample ID:	P4660-03	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BE101488.D	1	11/05/24 08:54	11/05/24 20:27	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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 : BE101488.D
Acq On : 5 Nov 2024 20:27
Operator : RC/JU
Sample : P4660-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
WC-TA2-01-C

Quant Time: Nov 06 00:04:05 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

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

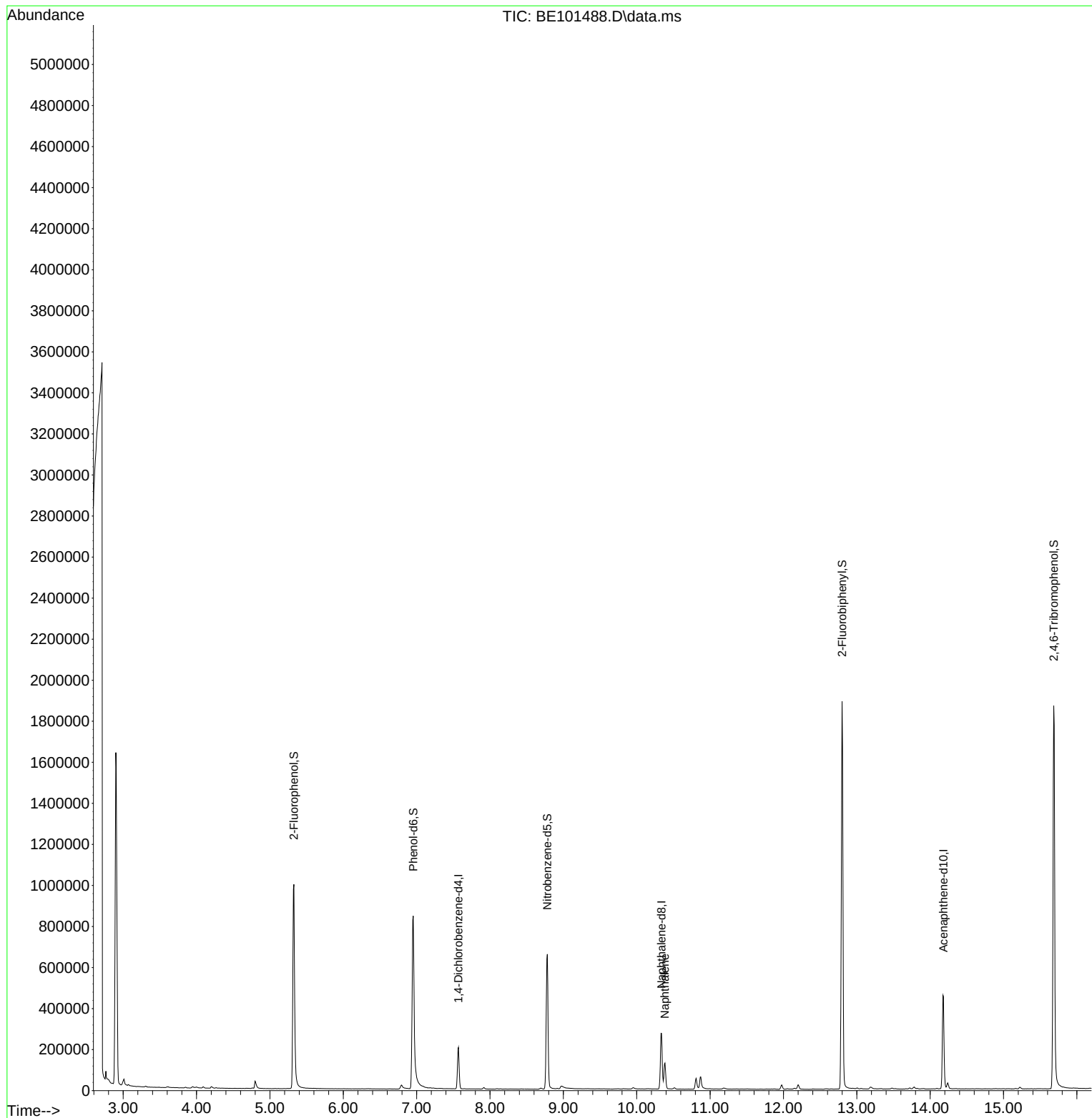
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.570	152	57343	20.000	ng	0.00
21) Naphthalene-d8	10.338	136	245737	20.000	ng	0.00
39) Acenaphthene-d10	14.180	164	174187	20.000	ng	0.00
64) Phenanthrene-d10	16.912	188	416458	20.000	ng	0.00
76) Chrysene-d12	21.072	240	485314	20.000	ng	0.00
86) Perylene-d12	23.363	264	618963	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.326	112	537447	164.268	ng	0.00
7) Phenol-d6	6.953	99	685925	151.197	ng	0.00
23) Nitrobenzene-d5	8.781	82	399448	102.097	ng	0.00
42) 2,4,6-Tribromophenol	15.684	330	519159	170.052	ng	0.00
45) 2-Fluorobiphenyl	12.799	172	1039265	101.043	ng	0.00
79) Terphenyl-d14	19.509	244	2227694	105.646	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.385	128	109480	8.743	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
Data File : BE101488.D
Acq On : 5 Nov 2024 20:27
Operator : RC/JU
Sample : P4660-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
WC-TA2-01-C

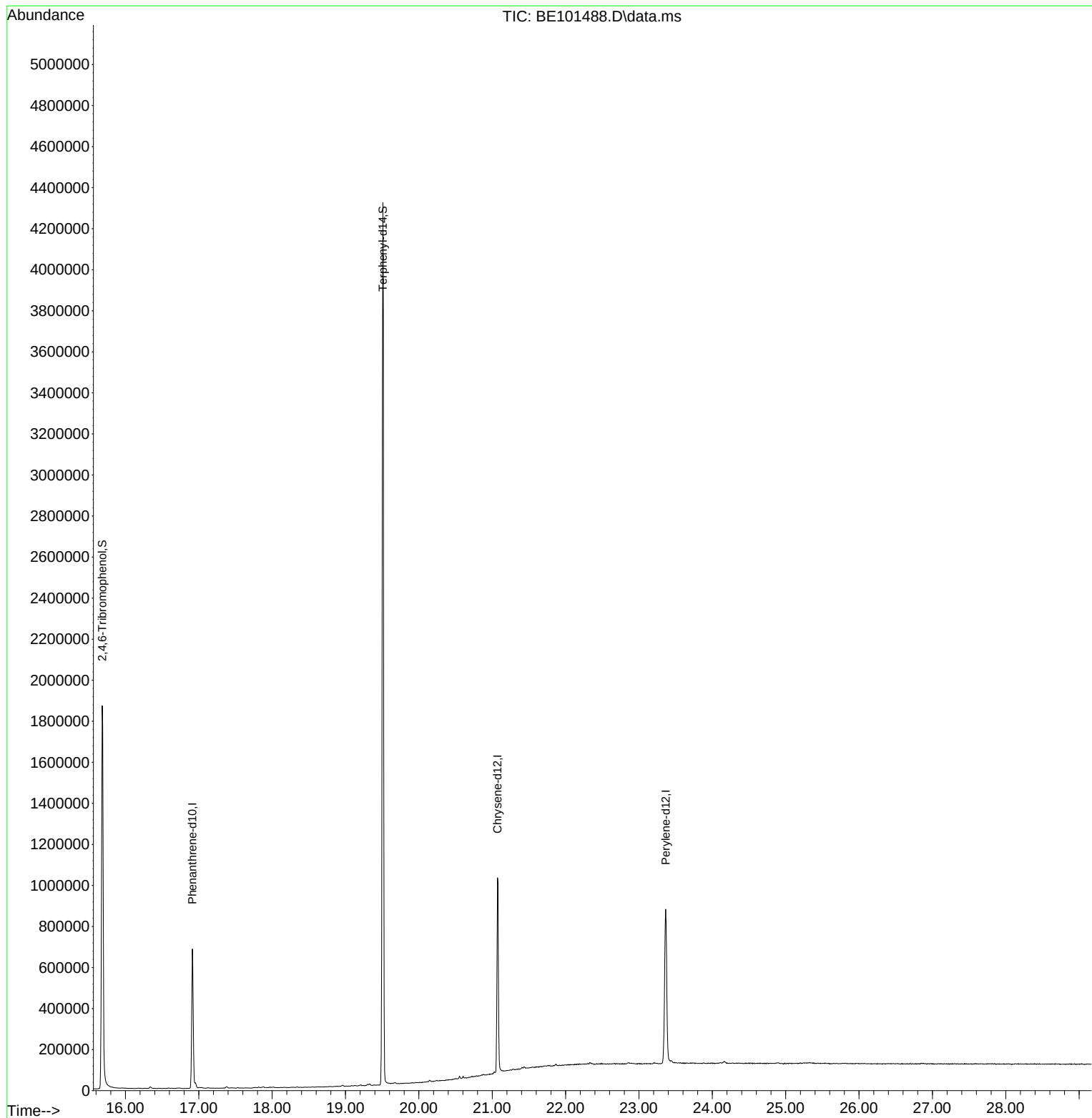
Quant Time: Nov 06 00:04:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

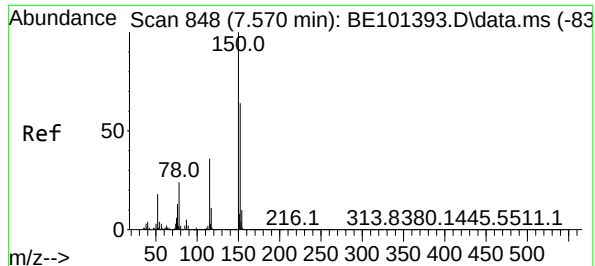


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Data File : BE101488.D
Acq On : 5 Nov 2024 20:27
Operator : RC/JU
Sample : P4660-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
WC-TA2-01-C

Quant Time: Nov 06 00:04:05 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

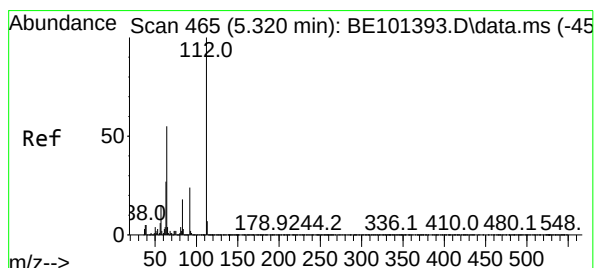
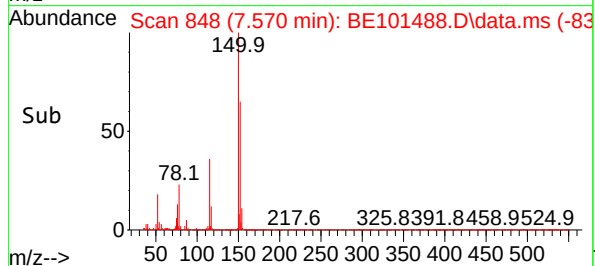
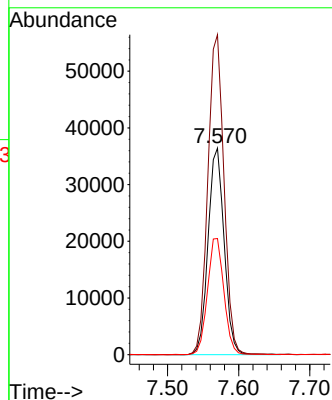
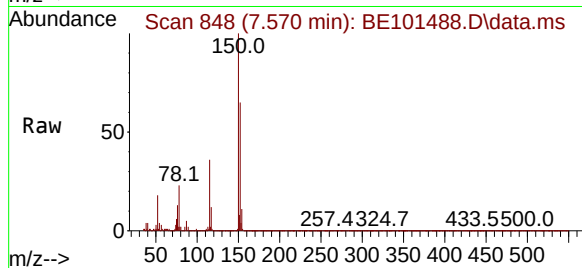




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.570 min Scan# 848
Delta R.T. 0.000 min
Lab File: BE101488.D
Acq: 5 Nov 2024 20:27

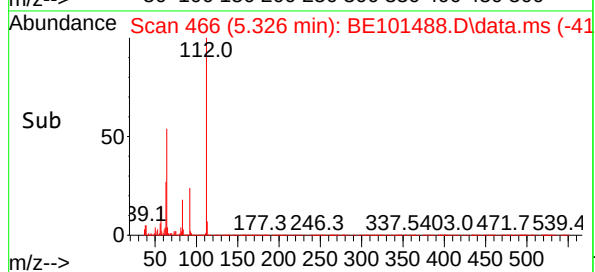
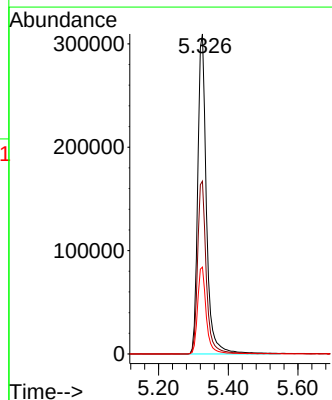
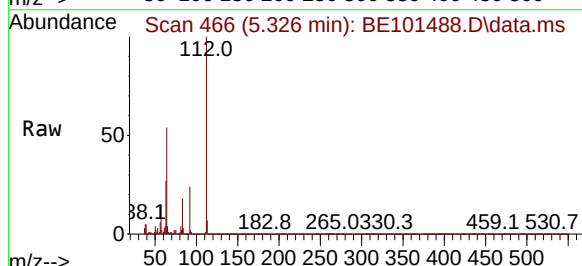
Instrument :
BNA_E
ClientSampleId :
WC-TA2-01-C

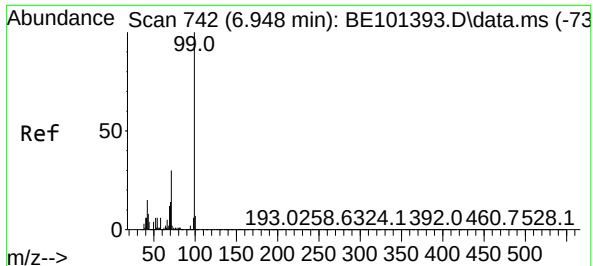
Tgt Ion:152 Resp: 57343
Ion Ratio Lower Upper
152 100
150 154.9 124.2 186.4
115 56.3 45.3 67.9



#5
2-Fluorophenol
Concen: 164.268 ng
RT: 5.326 min Scan# 466
Delta R.T. 0.006 min
Lab File: BE101488.D
Acq: 5 Nov 2024 20:27

Tgt Ion:112 Resp: 537447
Ion Ratio Lower Upper
112 100
64 54.0 43.7 65.5
63 27.1 21.4 32.2





#7

Phenol-d6

Concen: 151.197 ng

RT: 6.953 min Scan# 742

Delta R.T. 0.006 min

Lab File: BE101488.D

Acq: 5 Nov 2024 20:27

Instrument :

BNA_E

ClientSampleId :

WC-TA2-01-C

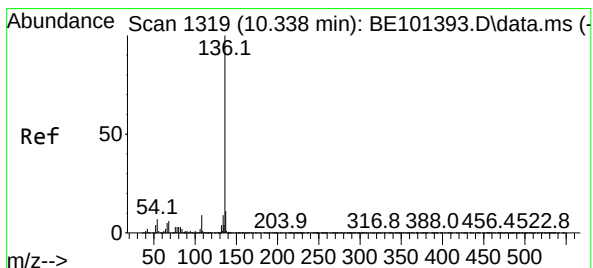
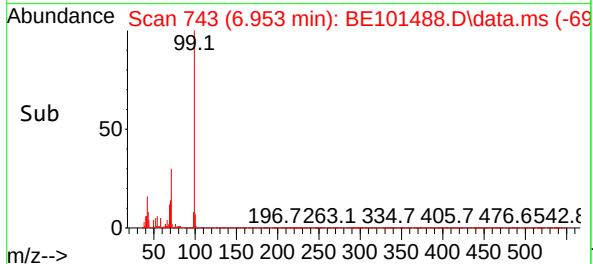
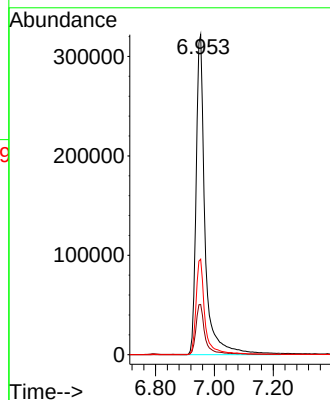
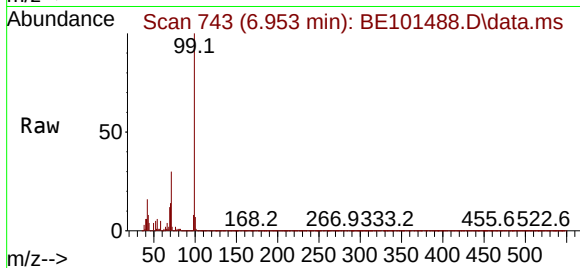
Tgt Ion: 99 Resp: 685925

Ion Ratio Lower Upper

99 100

42 15.7 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: BE101488.D

Acq: 5 Nov 2024 20:27

Tgt Ion:136 Resp: 245737

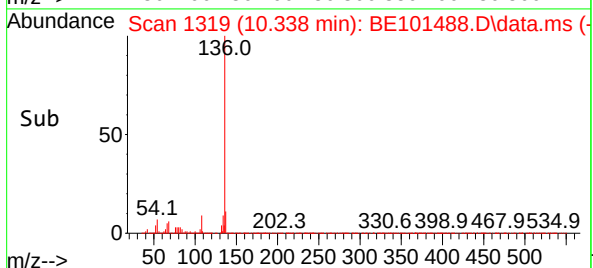
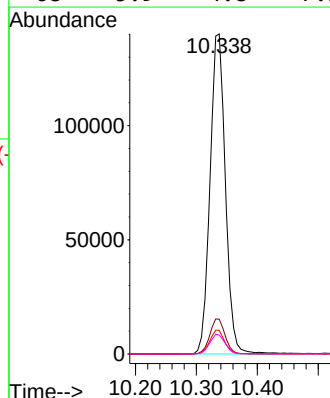
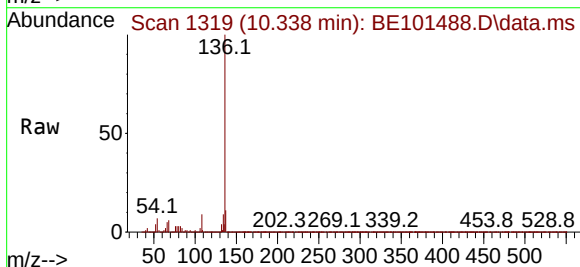
Ion Ratio Lower Upper

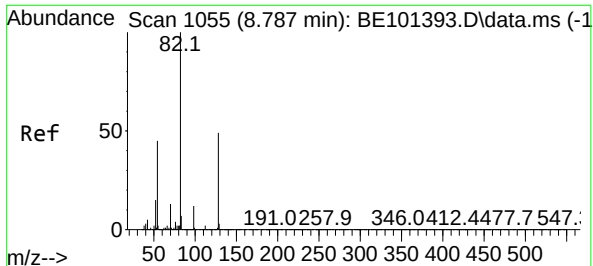
136 100

137 10.9 9.0 13.6

54 7.4 5.9 8.9

68 5.9 4.8 7.2

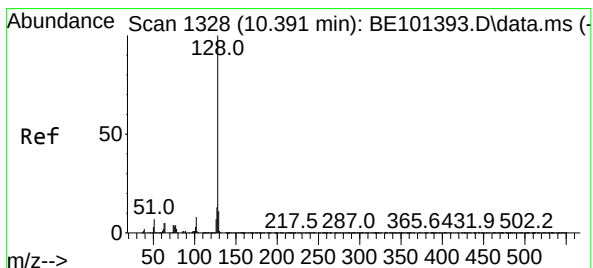
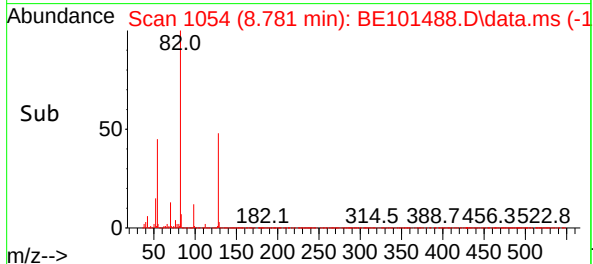
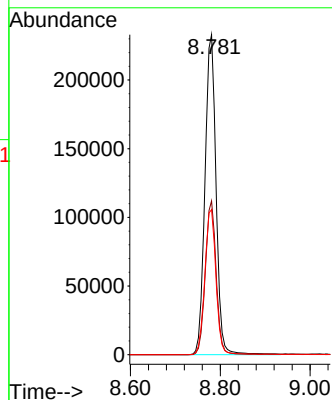
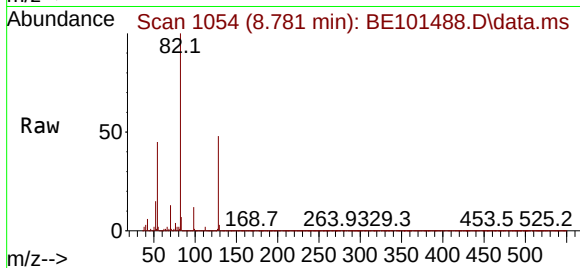




#23
Nitrobenzene-d5
Concen: 102.097 ng
RT: 8.781 min Scan# 1054
Delta R.T. -0.006 min
Lab File: BE101488.D
Acq: 5 Nov 2024 20:27

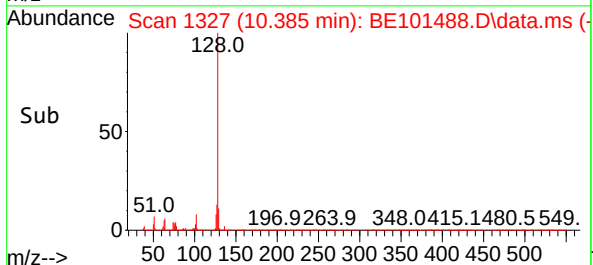
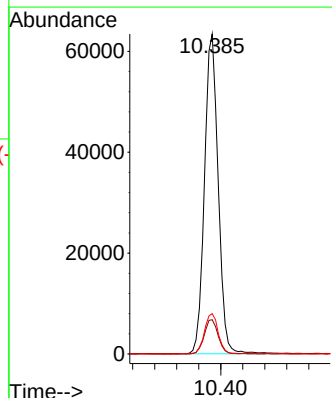
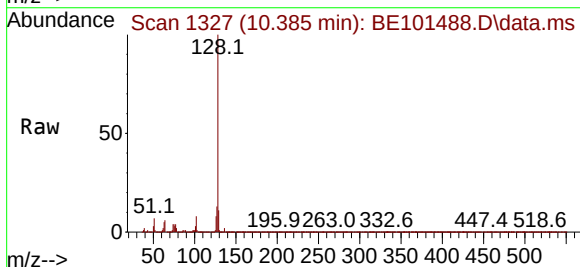
Instrument :
BNA_E
ClientSampleId :
WC-TA2-01-C

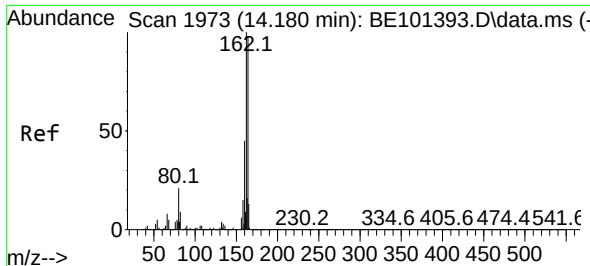
Tgt Ion: 82 Resp: 399448
Ion Ratio Lower Upper
82 100
128 48.0 38.9 58.3
54 45.3 36.2 54.4



#31
Naphthalene
Concen: 8.743 ng
RT: 10.385 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BE101488.D
Acq: 5 Nov 2024 20:27

Tgt Ion: 128 Resp: 109480
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 12.6 10.3 15.5

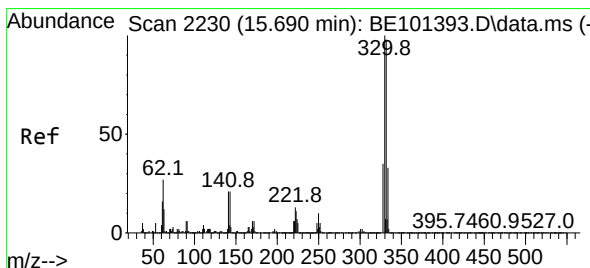
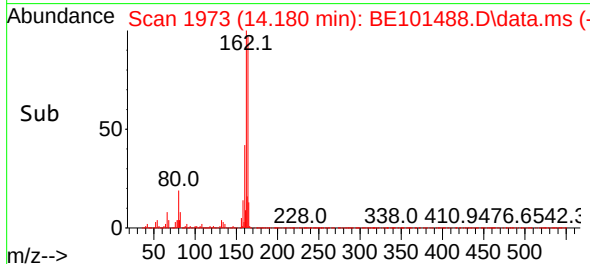
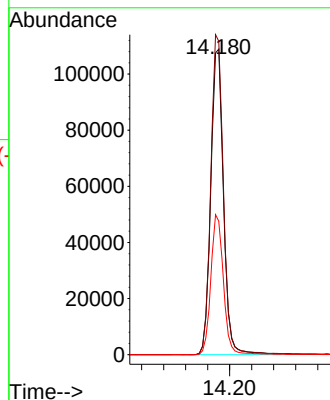
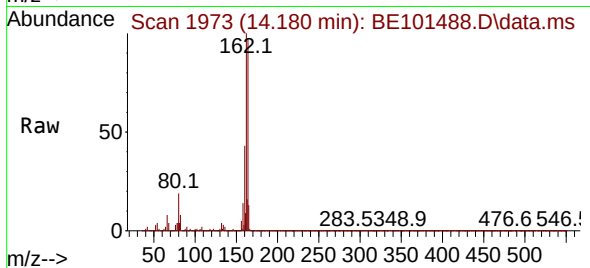




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.180 min Scan# 1973
Delta R.T. -0.000 min
Lab File: BE101488.D
Acq: 5 Nov 2024 20:27

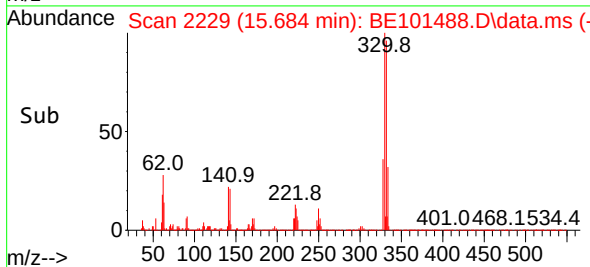
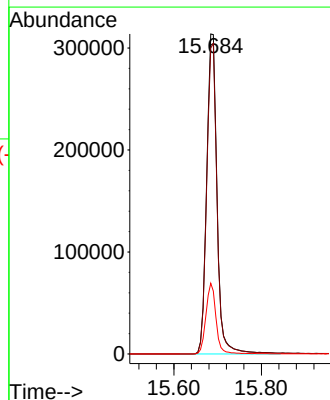
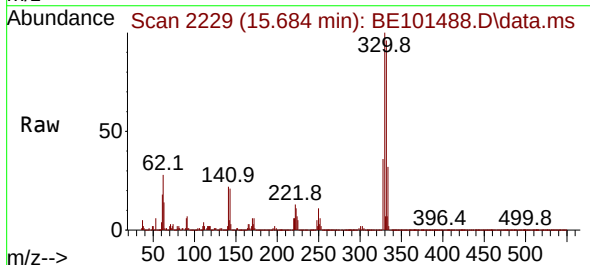
Instrument :
BNA_E
ClientSampleId :
WC-TA2-01-C

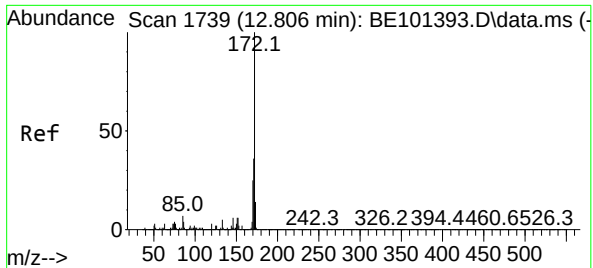
Tgt Ion:164 Resp: 174187
Ion Ratio Lower Upper
164 100
162 102.6 81.3 121.9
160 43.7 36.4 54.6



#42
2,4,6-Tribromophenol
Concen: 170.052 ng
RT: 15.684 min Scan# 2229
Delta R.T. -0.006 min
Lab File: BE101488.D
Acq: 5 Nov 2024 20:27

Tgt Ion:330 Resp: 519159
Ion Ratio Lower Upper
330 100
332 96.1 78.2 117.2
141 21.5 18.3 27.5

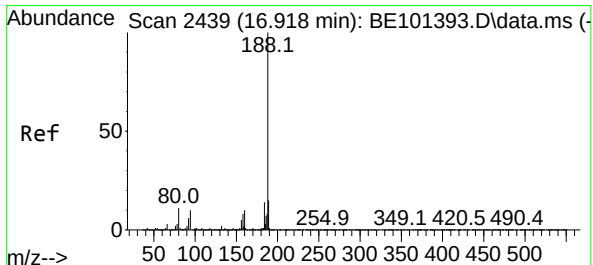
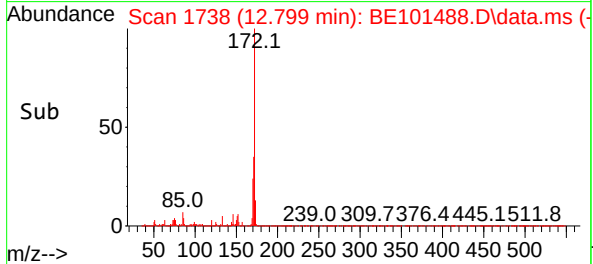
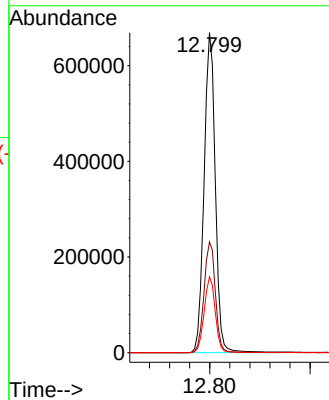
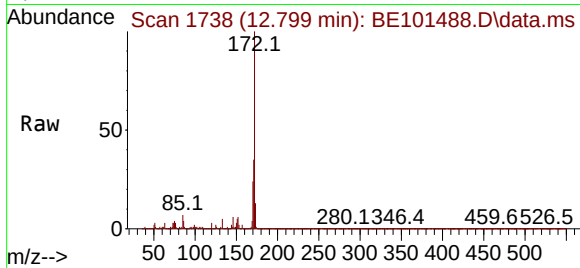




#45
2-Fluorobiphenyl
Concen: 101.043 ng
RT: 12.799 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BE101488.D
Acq: 5 Nov 2024 20:27

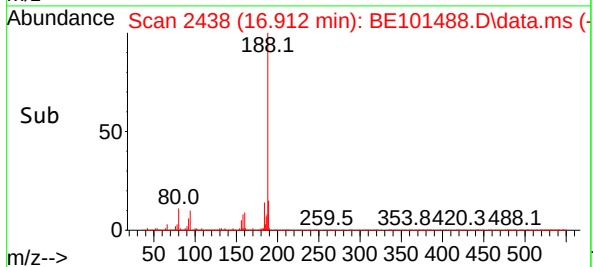
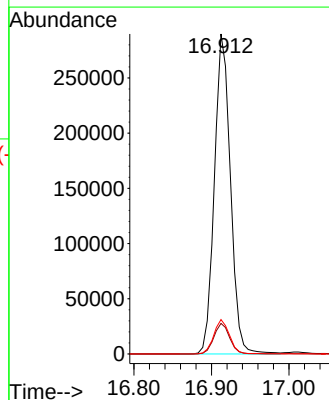
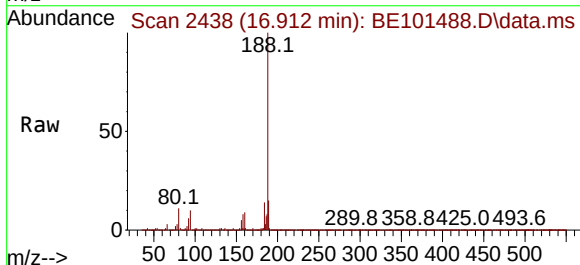
Instrument :
BNA_E
ClientSampleId :
WC-TA2-01-C

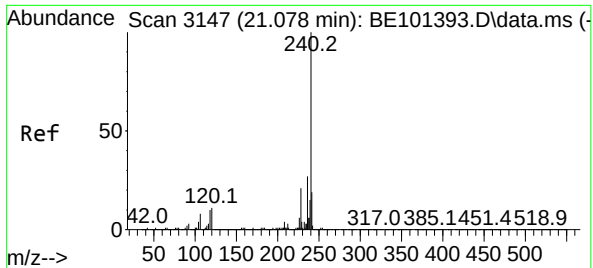
Tgt Ion:172 Resp: 1039265
Ion Ratio Lower Upper
172 100
171 34.6 29.2 43.8
170 23.7 19.8 29.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.912 min Scan# 2438
Delta R.T. -0.006 min
Lab File: BE101488.D
Acq: 5 Nov 2024 20:27

Tgt Ion:188 Resp: 416458
Ion Ratio Lower Upper
188 100
94 9.5 7.8 11.8
80 10.7 8.6 12.8

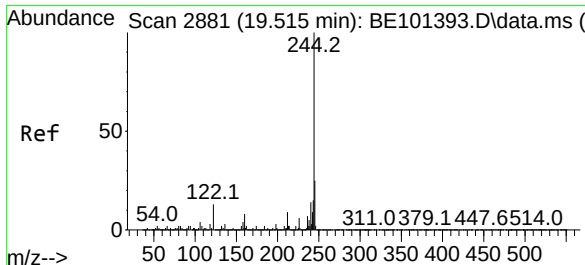
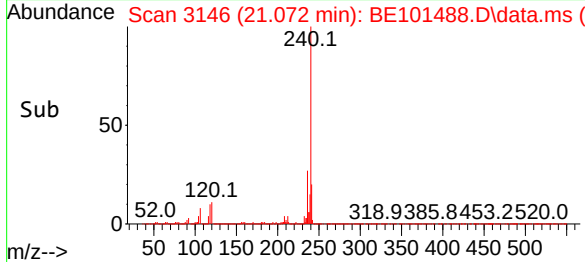
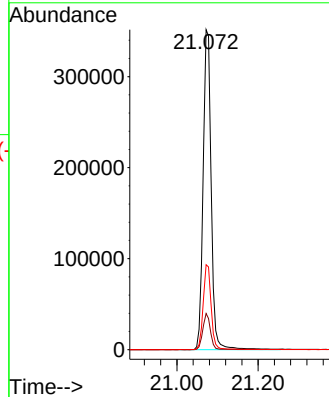
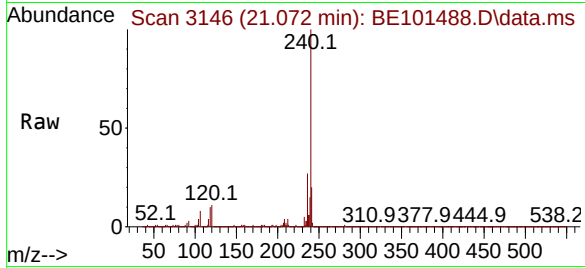




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.072 min Scan# 3146
Delta R.T. -0.006 min
Lab File: BE101488.D
Acq: 5 Nov 2024 20:27

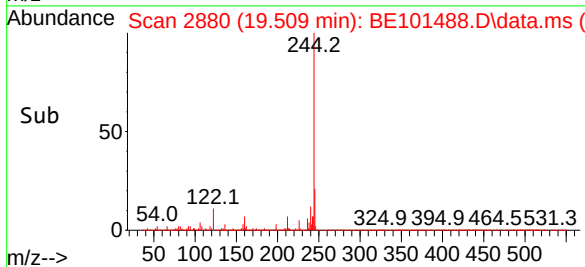
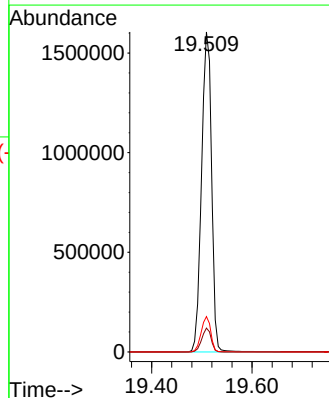
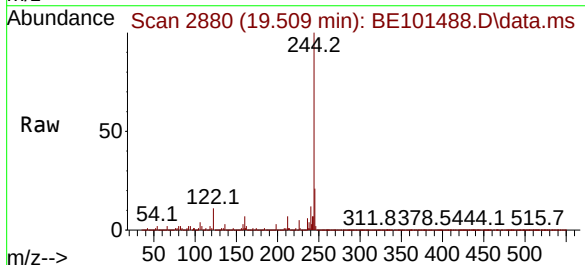
Instrument :
BNA_E
ClientSampleId :
WC-TA2-01-C

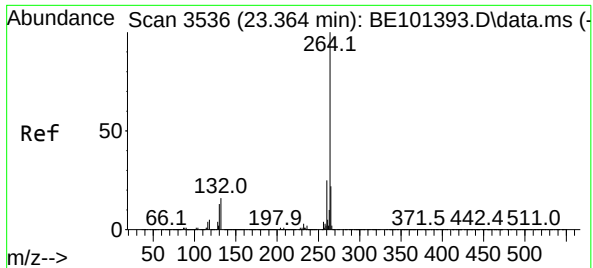
Tgt Ion:240 Resp: 485314
Ion Ratio Lower Upper
240 100
120 11.3 9.0 13.4
236 26.6 21.4 32.0



#79
Terphenyl-d14
Concen: 105.646 ng
RT: 19.509 min Scan# 2880
Delta R.T. -0.006 min
Lab File: BE101488.D
Acq: 5 Nov 2024 20:27

Tgt Ion:244 Resp: 2227694
Ion Ratio Lower Upper
244 100
212 7.5 7.2 10.8
122 11.0 10.4 15.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.363 min Scan# 3

Delta R.T. -0.000 min

Lab File: BE101488.D

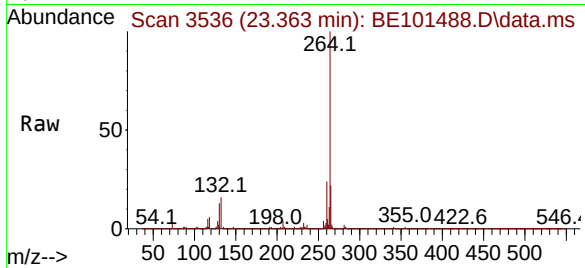
Acq: 5 Nov 2024 20:27

Instrument :

BNA_E

ClientSampleId :

WC-TA2-01-C



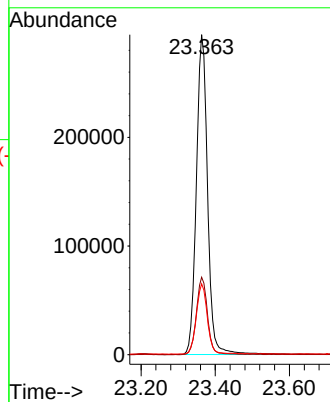
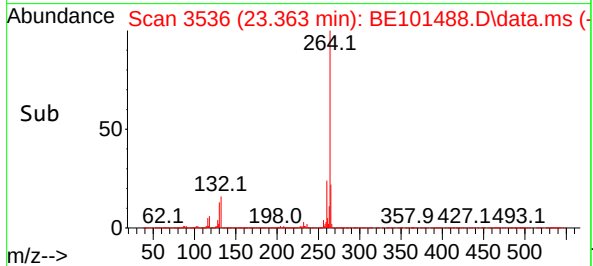
Tgt Ion:264 Resp: 618963

Ion Ratio Lower Upper

264 100

260 24.2 19.8 29.8

265 22.2 17.6 26.4



Report of Analysis

Client:	ENTACT		Date Collected:	10/31/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	10/31/24	
Client Sample ID:	WC-WOOD-01-C		SDG No.:	P4660	
Lab Sample ID:	P4660-07		Matrix:	TCLP	
Analytical Method:	SW8270		% Solid:	0	
Sample Wt/Vol:	100	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	TCLP BNA	
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
BE101516.D	1	11/05/24 08:54	11/07/24 03:38	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	20.7	J	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	160		15 (10) - 110 (139)	107%	SPK: 150
13127-88-3	Phenol-d6	146		15 (10) - 110 (134)	98%	SPK: 150
4165-60-0	Nitrobenzene-d5	104		30 (49) - 130 (133)	104%	SPK: 100
321-60-8	2-Fluorobiphenyl	99.3		30 (52) - 130 (132)	99%	SPK: 100
118-79-6	2,4,6-Tribromophenol	173	*	15 (44) - 110 (137)	115%	SPK: 150
1718-51-0	Terphenyl-d14	94.6		30 (48) - 130 (125)	95%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	43700		7.558		
1146-65-2	Naphthalene-d8	201000		10.325		
15067-26-2	Acenaphthene-d10	142000		14.168		
1517-22-2	Phenanthrene-d10	365000		16.906		
1719-03-5	Chrysene-d12	491000		21.066		
1520-96-3	Perylene-d12	503000		23.346		

Report of Analysis

Client:	ENTACT		Date Collected:	10/31/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	10/31/24	
Client Sample ID:	WC-WOOD-01-C		SDG No.:	P4660	
Lab Sample ID:	P4660-07		Matrix:	TCLP	
Analytical Method:	SW8270		% Solid:	0	
Sample Wt/Vol:	100	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	TCLP BNA	
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
BE101516.D	1	11/05/24 08:54	11/07/24 03:38	PB164561

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\BE110624\
 Data File : BE101516.D
 Acq On : 7 Nov 2024 3:38
 Operator : RC/JU
 Sample : P4660-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 WC-WOOD-01-C

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 07 03:29:51 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 07 00:01:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.558	152	43720	20.000	ng	0.00
21) Naphthalene-d8	10.325	136	200694	20.000	ng	0.00
39) Acenaphthene-d10	14.168	164	141864	20.000	ng	0.00
64) Phenanthrene-d10	16.906	188	364933	20.000	ng	0.00
76) Chrysene-d12	21.066	240	491415	20.000	ng	-0.01
86) Perylene-d12	23.346	264	502658	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.314	112	396400	160.317	ng	0.00
7) Phenol-d6	6.941	99	496300	146.395	ng	0.00
23) Nitrobenzene-d5	8.768	82	330311	103.960	ng	0.00
42) 2,4,6-Tribromophenol	15.678	330	461311	172.811	ng	0.00
45) 2-Fluorobiphenyl	12.793	172	862742	99.298	ng	0.00
79) Terphenyl-d14	19.503	244	2100657	94.623	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.965	94	17044	4.619	ng	# 74
17) 2-Methylphenol	8.146	107	4945	2.070	ng	93
27) 2,4-Dimethylphenol	9.620	122	12588m	6.186	ng	
31) Naphthalene	10.384	128	3241342	319.917	ng	97
37) 2-Methylnaphthalene	11.965	142	238682	33.167	ng	99
38) 1-Methylnaphthalene	12.188	142	138654	19.320	ng	100
46) 1,1'-Biphenyl	12.993	154	38852	3.970	ng	99
49) Acenaphthylene	13.898	152	69297	6.025	ng	97
52) Acenaphthene	14.233	154	288730	39.339	ng	99
55) Dibenzofuran	14.573	168	243197	20.576	ng	98
58) Fluorene	15.208	166	191991	19.464	ng	99
71) Phenanthrene	16.947	178	555473	31.296	ng	99
72) Anthracene	17.029	178	96302m	5.494	ng	
73) Carbazole	17.364	167	683419	38.881	ng	99
75) Fluoranthene	18.951	202	199650	8.773	ng	98
78) Pyrene	19.321	202	141902	5.075	ng	98

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

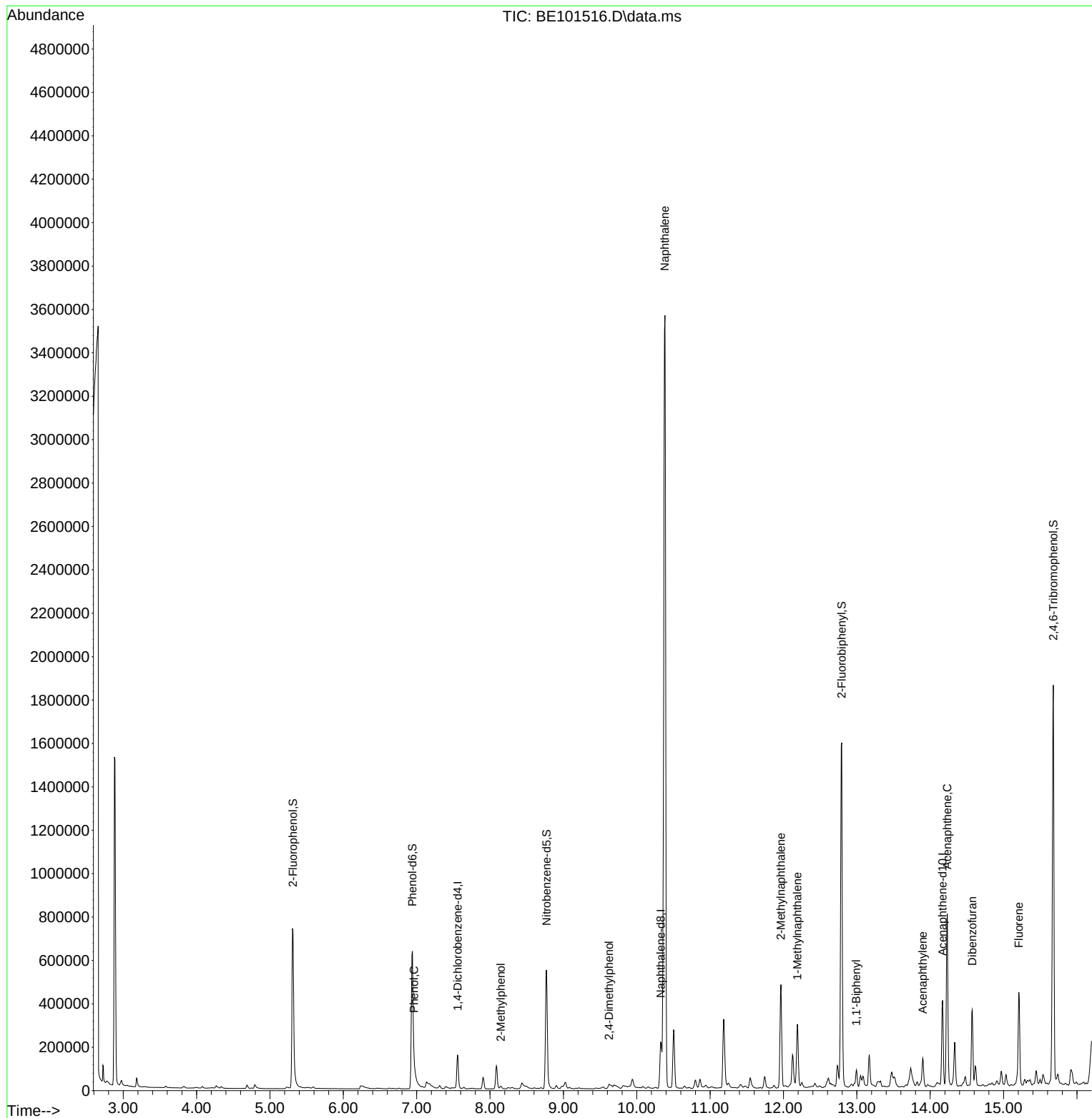
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Data File : BE101516.D
Acq On : 7 Nov 2024 3:38
Operator : RC/JU
Sample : P4660-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
WC-WOOD-01-C

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 07 03:29:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration



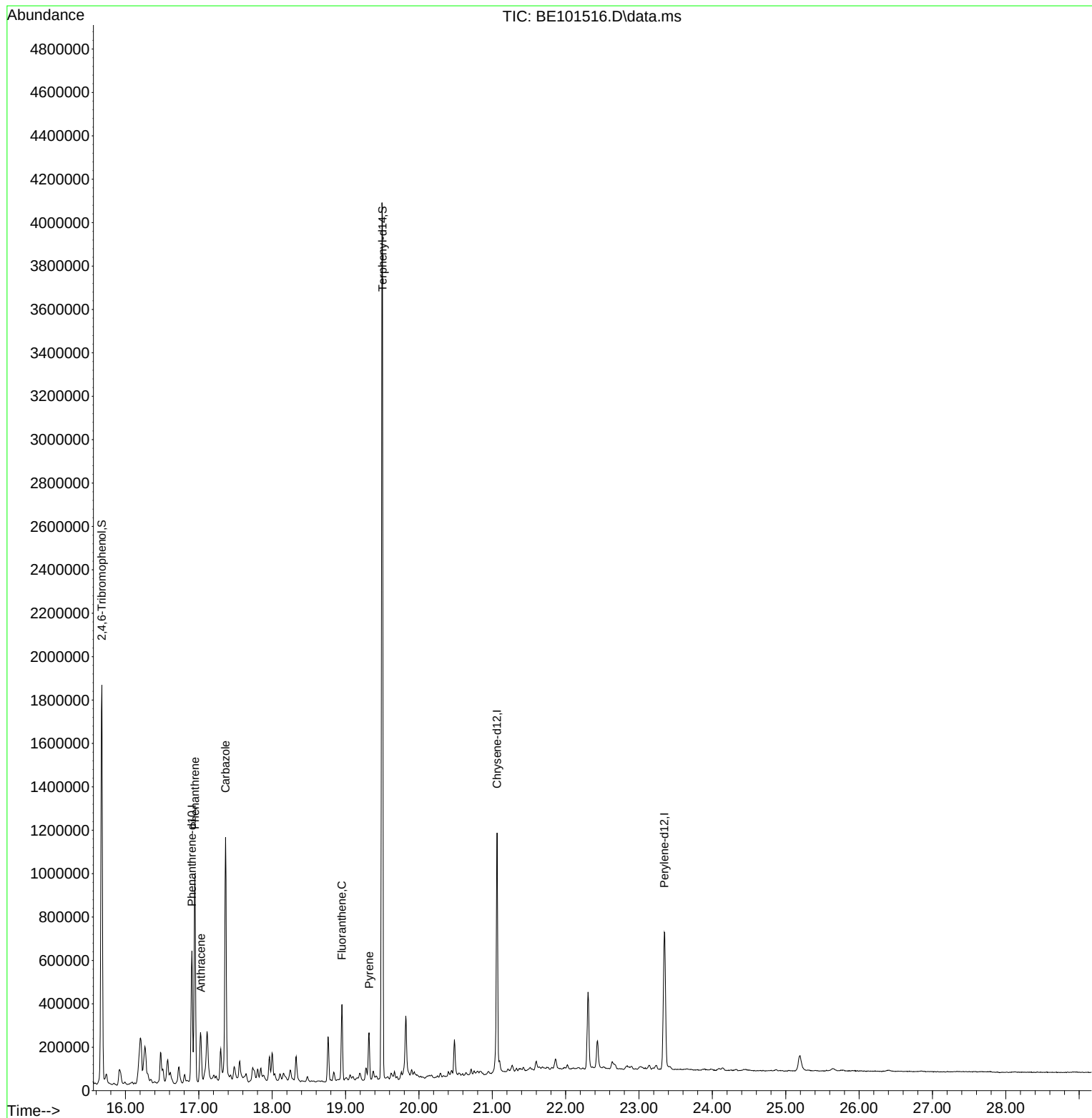
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Data File : BE101516.D
Acq On : 7 Nov 2024 3:38
Operator : RC/JU
Sample : P4660-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

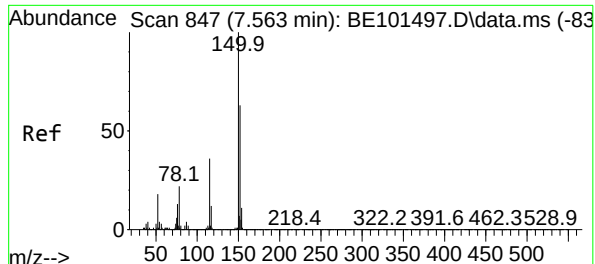
Instrument :
BNA_E
ClientSampleId :
WC-WOOD-01-C

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

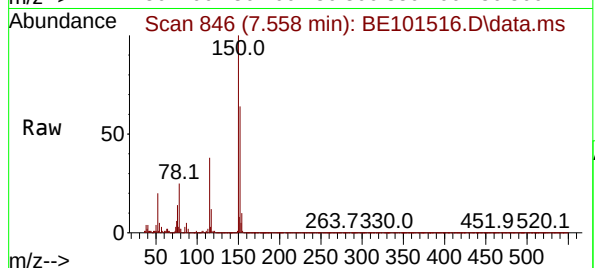
Quant Time: Nov 07 03:29:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.558 min Scan# 847
Delta R.T. -0.005 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

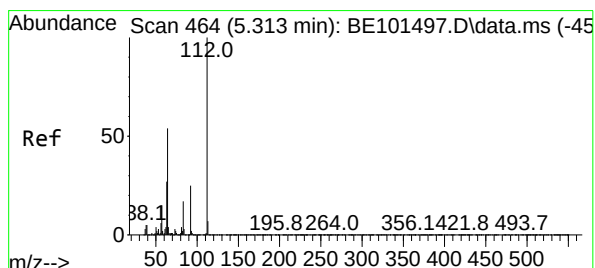
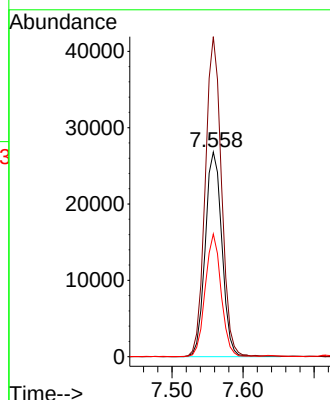
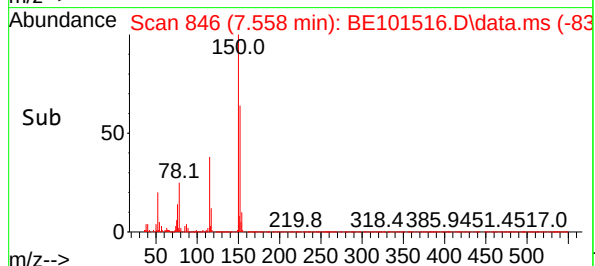
Instrument :
BNA_E
ClientSampleId :
WC-WOOD-01-C



Tgt Ion:152 Resp: 43720
Ion Ratio Lower Upper
152 100
150 156.4 126.3 189.5
115 60.0 45.0 67.4

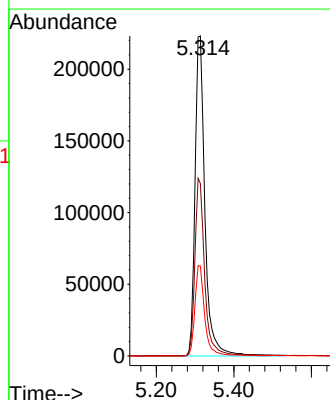
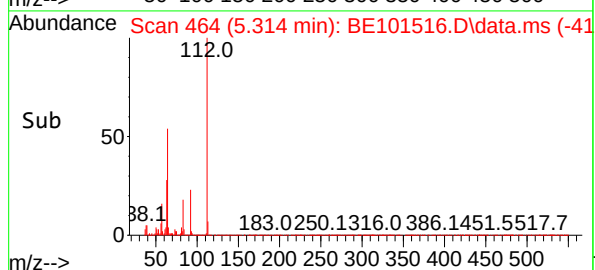
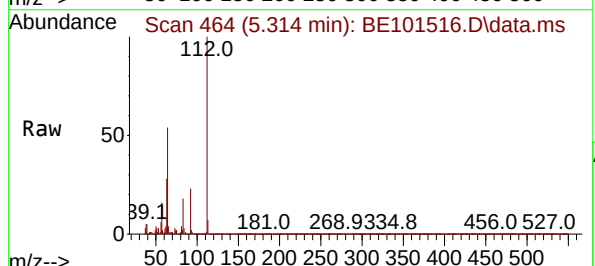
Manual Integrations
APPROVED

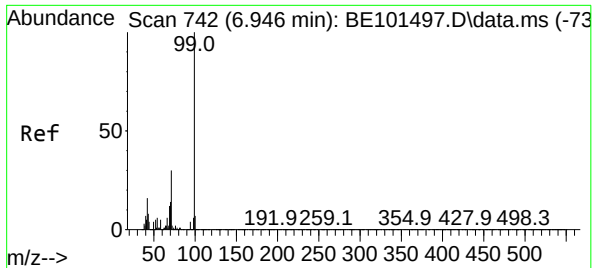
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#5
2-Fluorophenol
Concen: 160.317 ng
RT: 5.314 min Scan# 464
Delta R.T. 0.001 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

Tgt Ion:112 Resp: 396400
Ion Ratio Lower Upper
112 100
64 53.9 43.2 64.8
63 28.1 21.8 32.6





#7

Phenol-d6

Concen: 146.395 ng

RT: 6.941 min Scan# 741

Delta R.T. -0.005 min

Lab File: BE101516.D

Acq: 7 Nov 2024 3:38

Instrument :

BNA_E

ClientSampleId :

WC-WOOD-01-C

Tgt Ion: 99 Resp: 496300

Ion Ratio Lower Upper

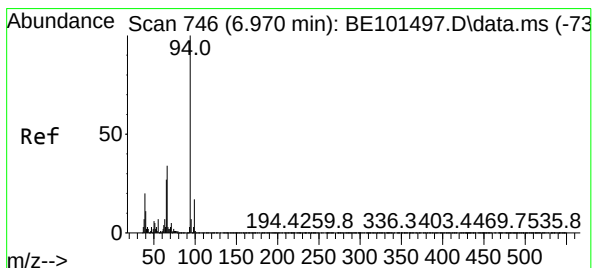
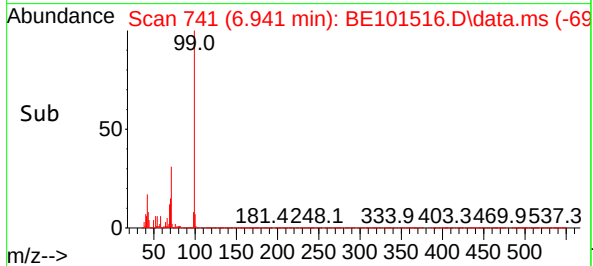
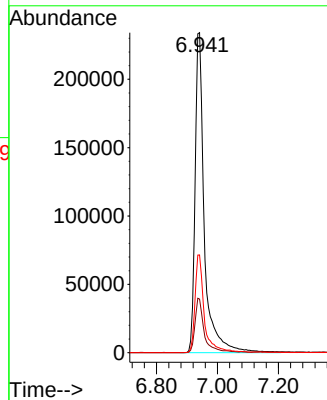
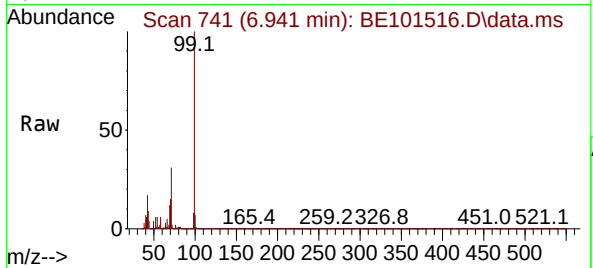
99 100

42 16.8 12.5 18.7

71 30.5 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

#10

Phenol

Concen: 4.619 ng

RT: 6.965 min Scan# 745

Delta R.T. -0.005 min

Lab File: BE101516.D

Acq: 7 Nov 2024 3:38

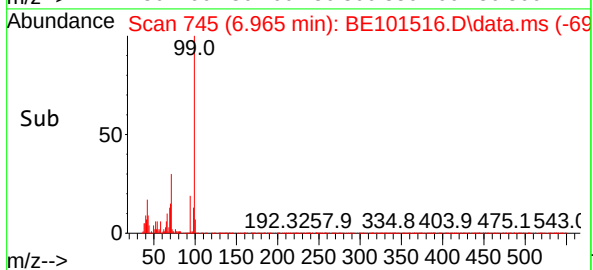
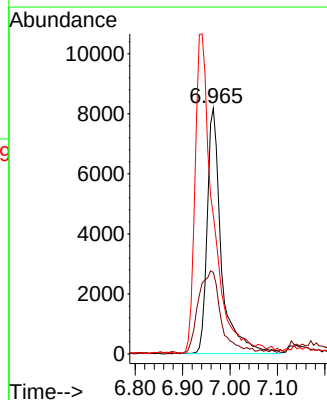
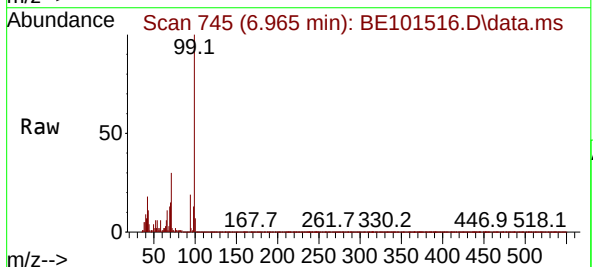
Tgt Ion: 94 Resp: 17044

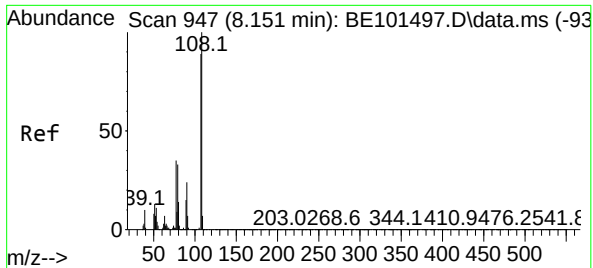
Ion Ratio Lower Upper

94 100

65 33.2 6.7 46.7

66 56.4 15.0 55.0#





#17

2-Methylphenol

Concen: 2.070 ng

RT: 8.146 min Scan# 94

Delta R.T. -0.005 min

Lab File: BE101516.D

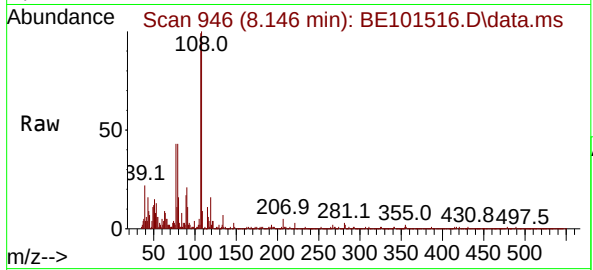
Acq: 7 Nov 2024 3:38

Instrument :

BNA_E

ClientSampleId :

WC-WOOD-01-C

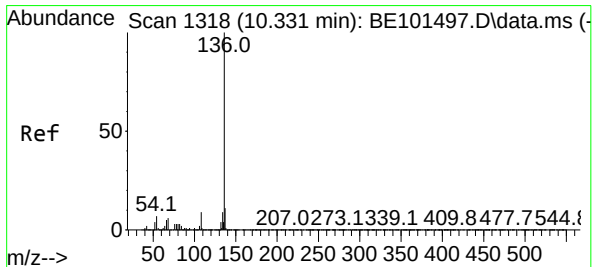
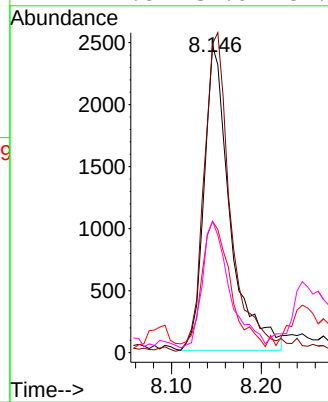
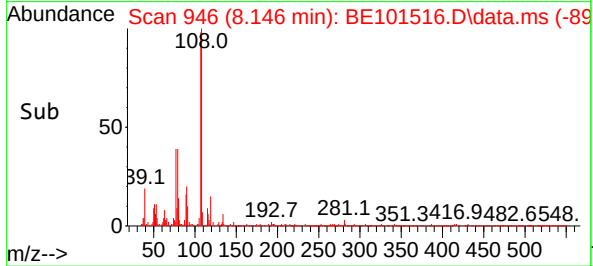


Tgt Ion	Ratio	Lower	Upper
107	100		
108	100.7	90.2	135.4
77	42.8	35.1	52.7
79	42.8	34.0	51.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024



#21

Naphthalene-d8

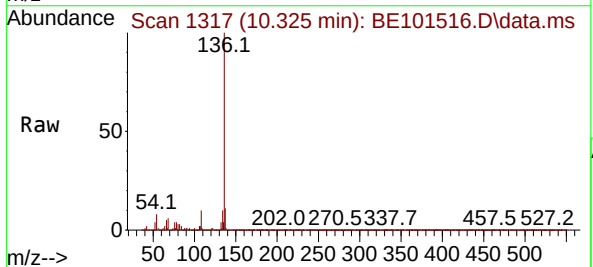
Concen: 20.000 ng

RT: 10.325 min Scan# 1317

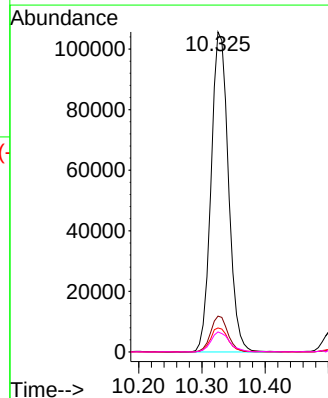
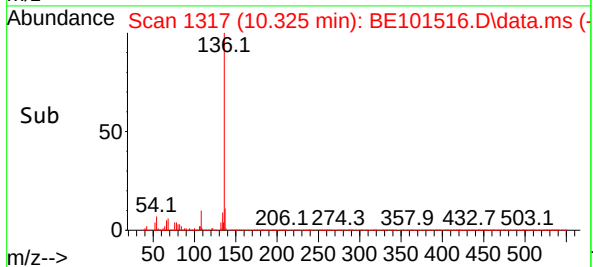
Delta R.T. -0.005 min

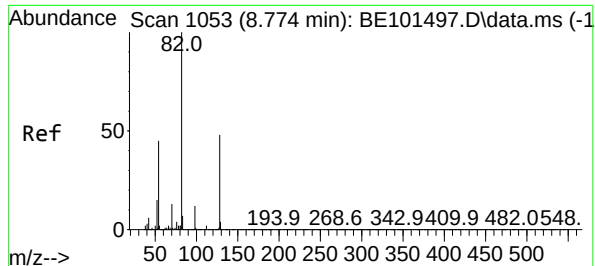
Lab File: BE101516.D

Acq: 7 Nov 2024 3:38



Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	7.5	5.6	8.4
68	6.2	4.8	7.2





#23

Nitrobenzene-d5

Concen: 103.960 ng

RT: 8.768 min Scan# 1052

Delta R.T. -0.005 min

Lab File: BE101516.D

Acq: 7 Nov 2024 3:38

Instrument :

BNA_E

ClientSampleId :

WC-WOOD-01-C

Tgt Ion: 82 Resp: 33031

Ion Ratio Lower Upper

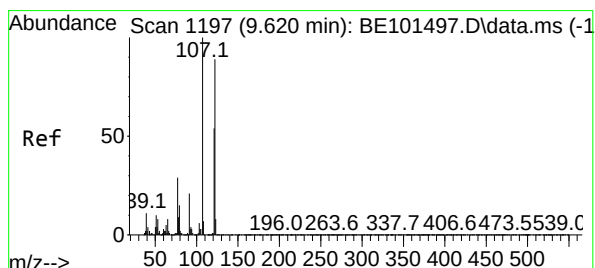
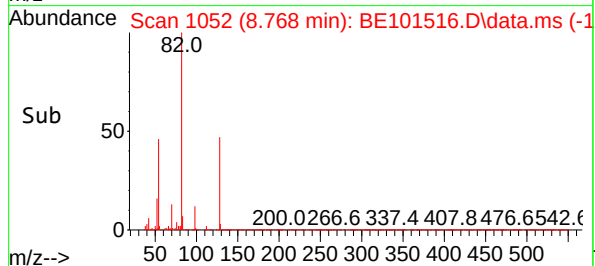
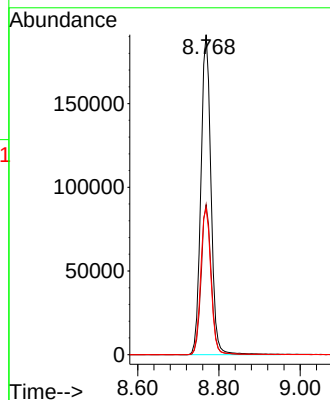
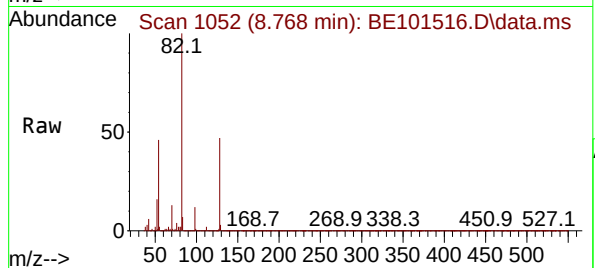
82 100

128 46.9 38.6 58.0

54 45.6 36.3 54.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

#27

2,4-Dimethylphenol

Concen: 6.186 ng m

RT: 9.620 min Scan# 1197

Delta R.T. 0.001 min

Lab File: BE101516.D

Acq: 7 Nov 2024 3:38

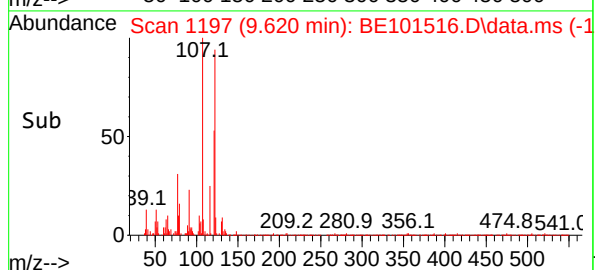
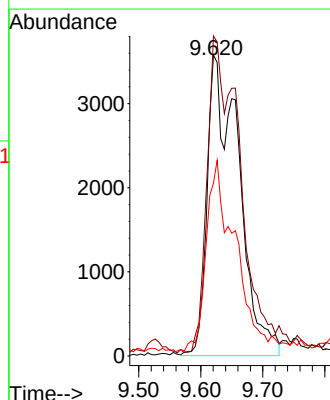
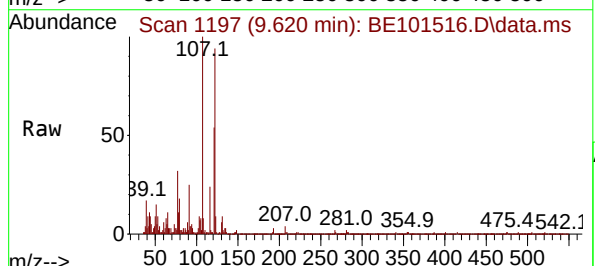
Tgt Ion:122 Resp: 12588

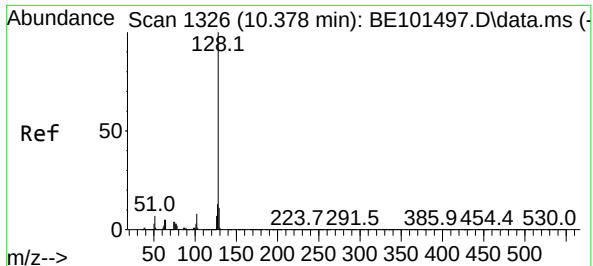
Ion Ratio Lower Upper

122 100

107 106.3 89.8 134.6

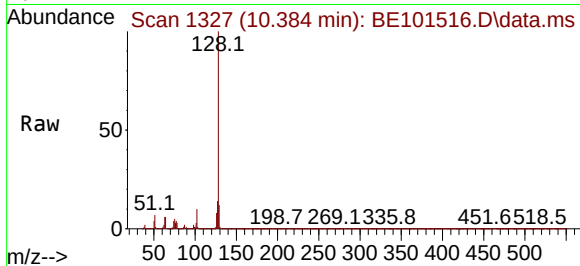
121 57.5 48.0 72.0





#31
Naphthalene
Concen: 319.917 ng
RT: 10.384 min Scan# 1327
Delta R.T. 0.007 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

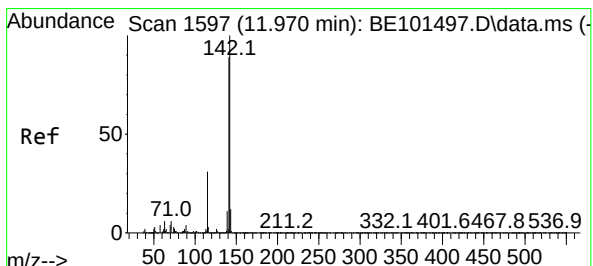
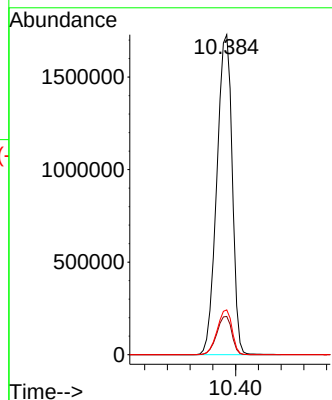
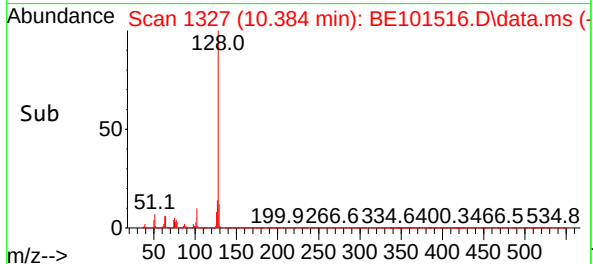
Instrument :
BNA_E
ClientSampleId :
WC-WOOD-01-C



Tgt Ion:128 Resp: 324134
Ion Ratio Lower Upper
128 100
129 11.9 8.9 13.3
127 14.0 10.3 15.5

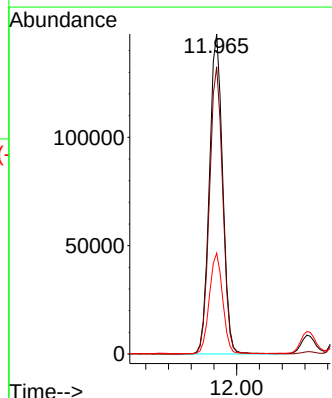
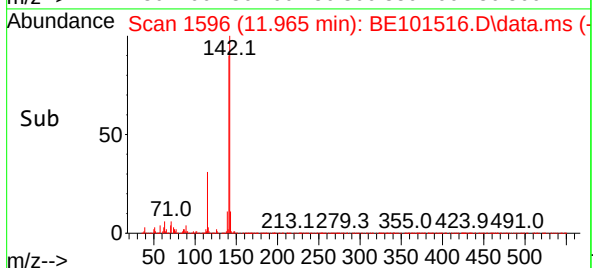
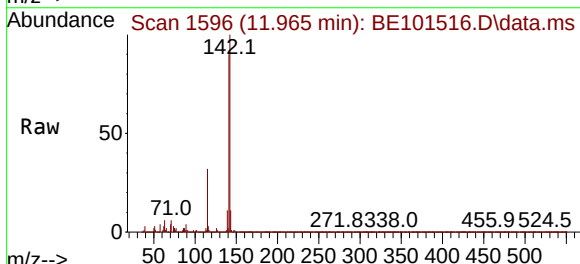
Manual Integrations
APPROVED

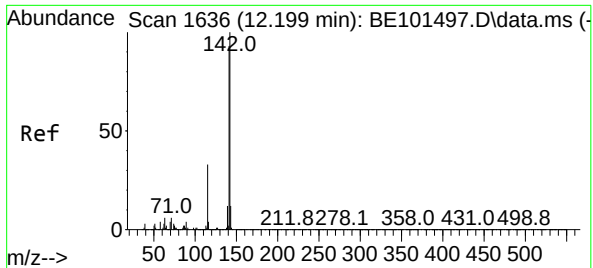
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#37
2-Methylnaphthalene
Concen: 33.167 ng
RT: 11.965 min Scan# 1596
Delta R.T. -0.005 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

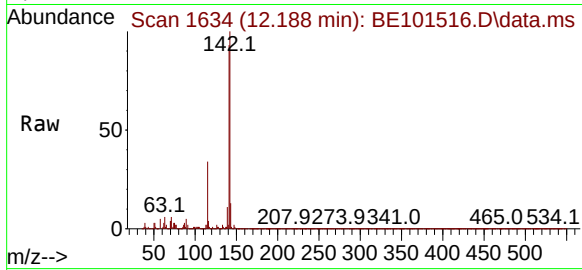
Tgt Ion:142 Resp: 238682
Ion Ratio Lower Upper
142 100
141 89.7 71.3 106.9
115 31.5 25.0 37.4





#38
1-Methylnaphthalene
Concen: 19.320 ng
RT: 12.188 min Scan# 1634
Delta R.T. -0.011 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

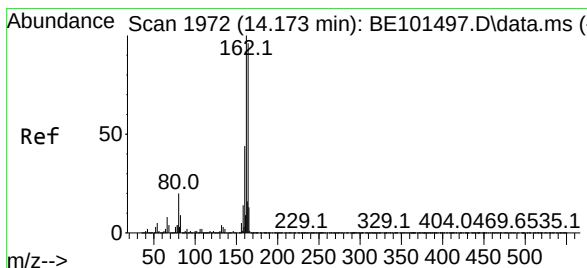
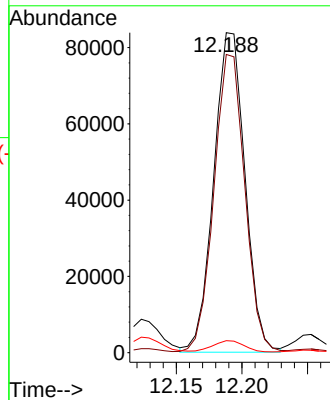
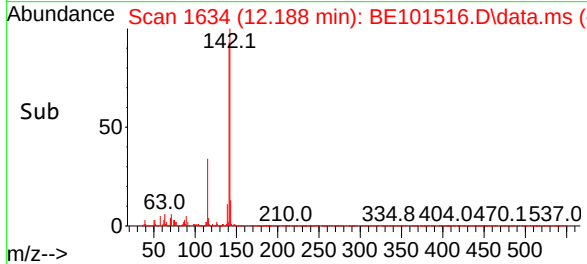
Instrument :
BNA_E
ClientSampleId :
WC-WOOD-01-C



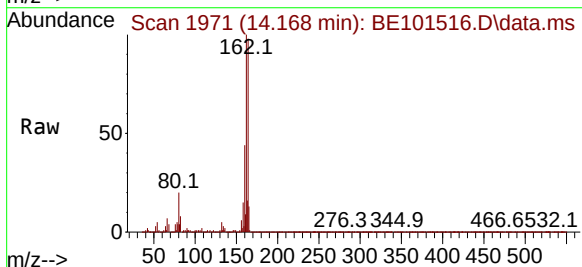
Tgt Ion:142 Resp: 138654
Ion Ratio Lower Upper
142 100
141 93.2 74.7 112.1
116 3.7 2.9 4.3

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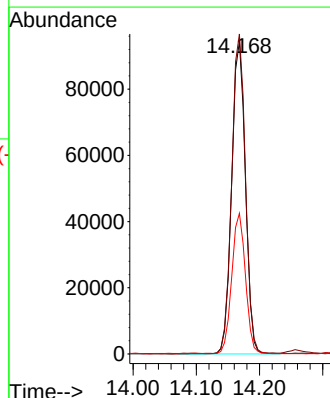
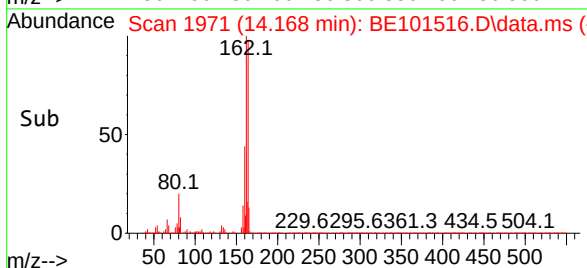
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

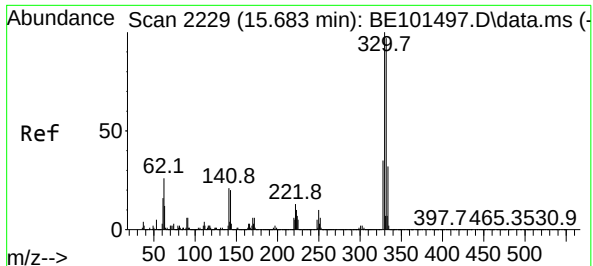


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.168 min Scan# 1971
Delta R.T. -0.005 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38



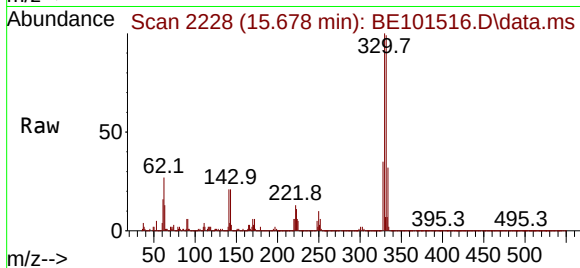
Tgt Ion:164 Resp: 141864
Ion Ratio Lower Upper
164 100
162 102.4 83.7 125.5
160 45.0 37.1 55.7





#42
2,4,6-Tribromophenol
Concen: 172.811 ng
RT: 15.678 min Scan# 21
Delta R.T. -0.005 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

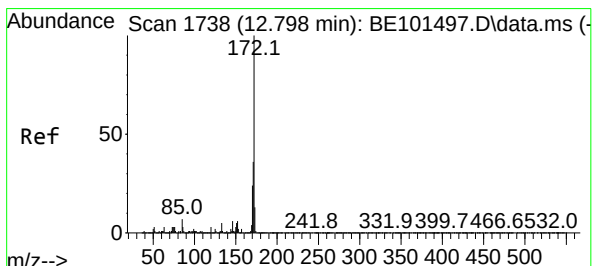
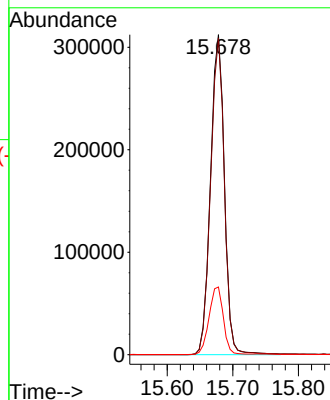
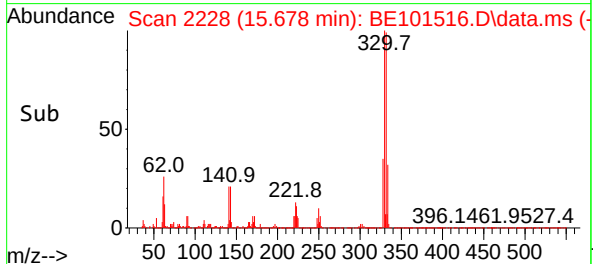
Instrument :
BNA_E
ClientSampleId :
WC-WOOD-01-C



Tgt Ion: 330 Resp: 46131
Ion Ratio Lower Upper
330 100
332 98.1 77.7 116.5
141 21.7 17.0 25.4

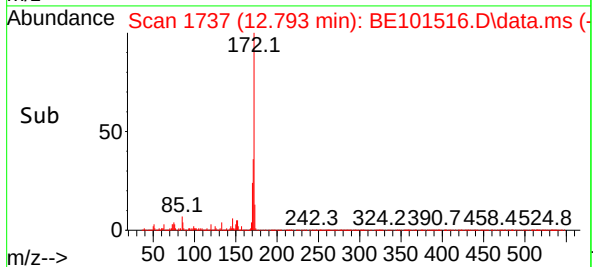
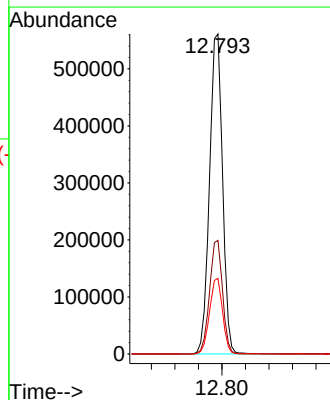
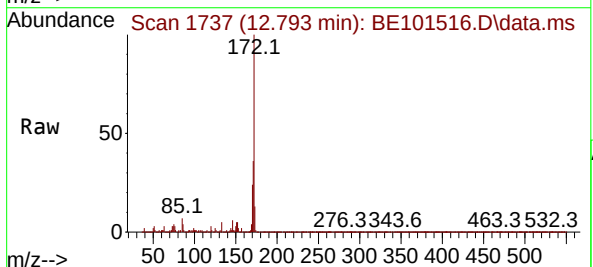
Manual Integrations
APPROVED

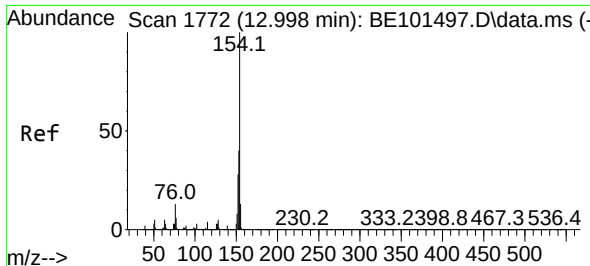
Reviewed By : Jagrut Upadhyay 11/07/2024
Supervised By : mohammad ahmed 11/08/2024



#45
2-Fluorobiphenyl
Concen: 99.298 ng
RT: 12.793 min Scan# 1737
Delta R.T. -0.005 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

Tgt Ion: 172 Resp: 862742
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 23.6 18.9 28.3





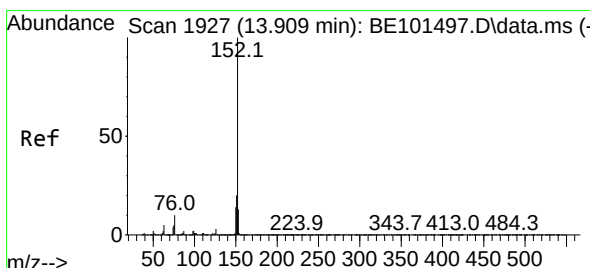
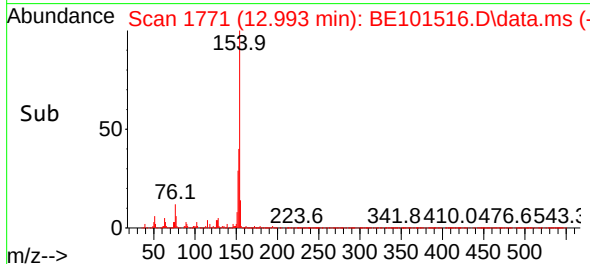
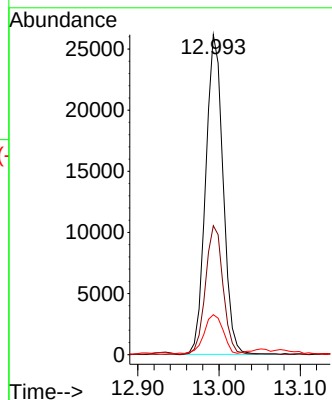
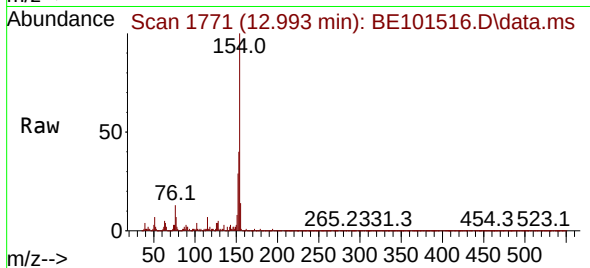
#46
1,1'-Biphenyl
Concen: 3.970 ng
RT: 12.993 min Scan# 1771
Delta R.T. -0.005 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

Instrument :
BNA_E
ClientSampleId :
WC-WOOD-01-C

Tgt Ion:154 Resp: 3885
Ion Ratio Lower Upper
154 100
153 40.3 19.7 59.7
76 12.5 0.0 33.0

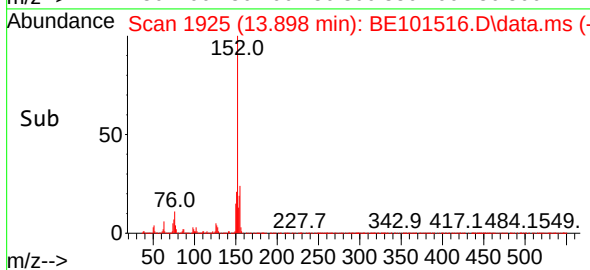
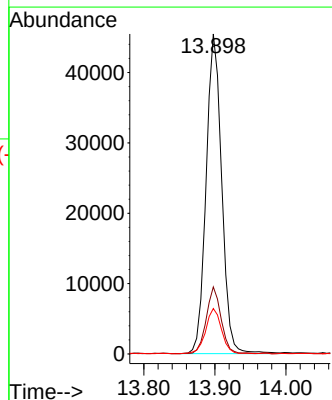
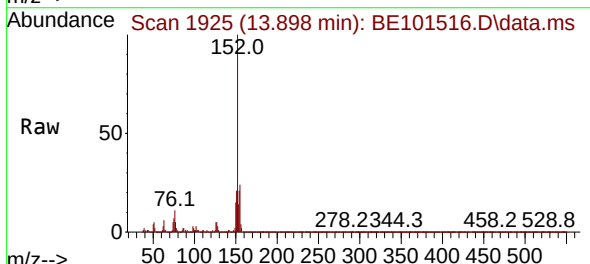
Manual Integrations
APPROVED

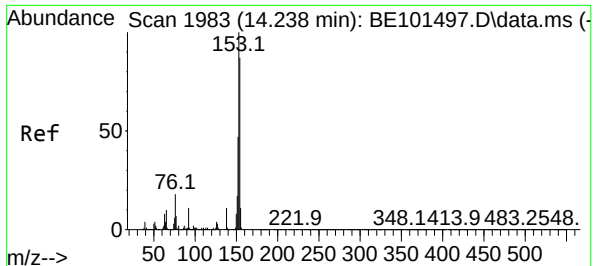
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#49
Acenaphthylene
Concen: 6.025 ng
RT: 13.898 min Scan# 1925
Delta R.T. -0.011 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

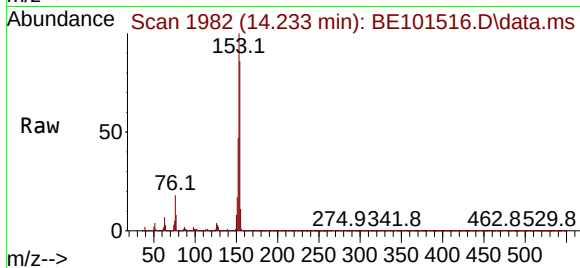
Tgt Ion:152 Resp: 69297
Ion Ratio Lower Upper
152 100
151 21.0 15.6 23.4
153 14.2 10.3 15.5





#52
Acenaphthene
Concen: 39.339 ng
RT: 14.233 min Scan# 1983
Delta R.T. -0.005 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

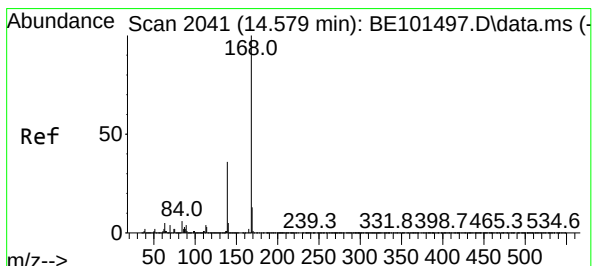
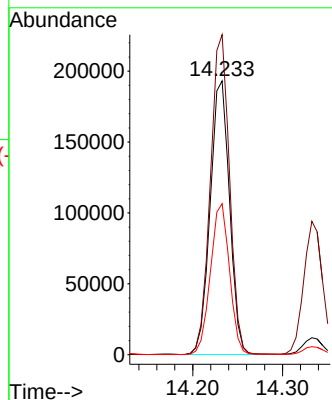
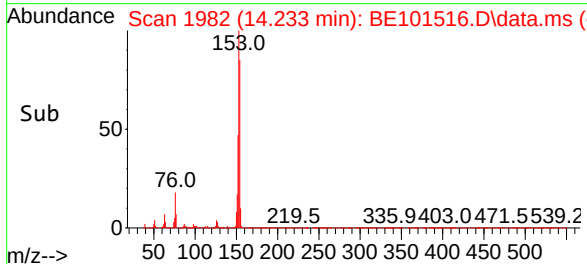
Instrument :
BNA_E
ClientSampleId :
WC-WOOD-01-C



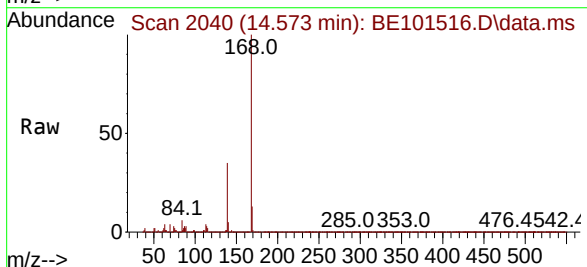
Tgt Ion:154 Resp: 288730
Ion Ratio Lower Upper
154 100
153 116.9 92.3 138.5
152 55.2 43.6 65.4

Manual Integrations
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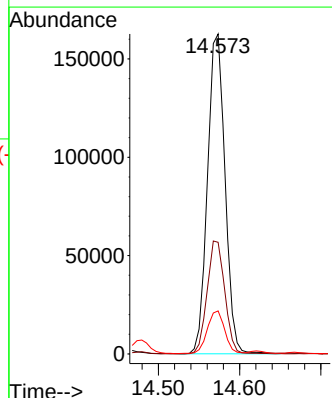
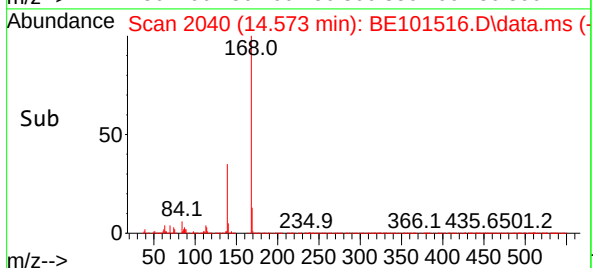
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

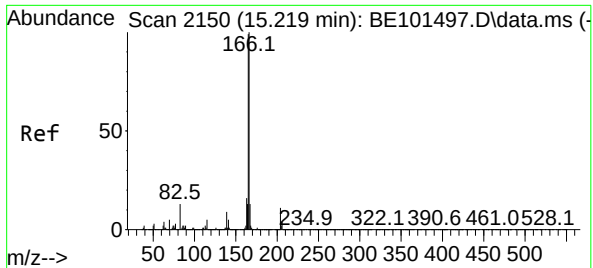


#55
Dibenzofuran
Concen: 20.576 ng
RT: 14.573 min Scan# 2040
Delta R.T. -0.005 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38



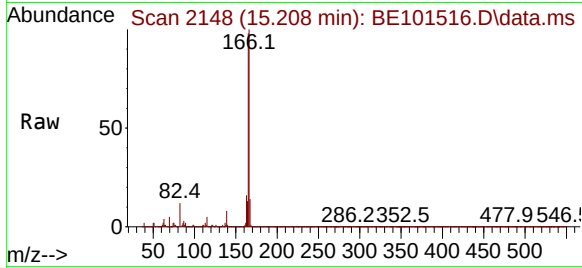
Tgt Ion:168 Resp: 243197
Ion Ratio Lower Upper
168 100
139 34.9 29.1 43.7
169 13.4 10.6 16.0





#58
Fluorene
Concen: 19.464 ng
RT: 15.208 min Scan# 2150
Delta R.T. -0.011 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

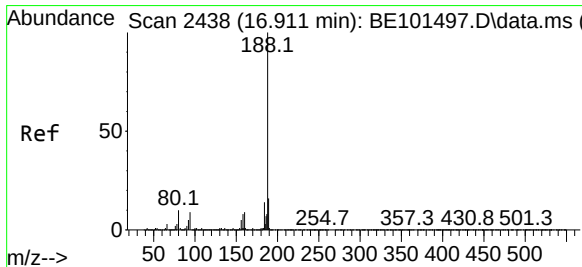
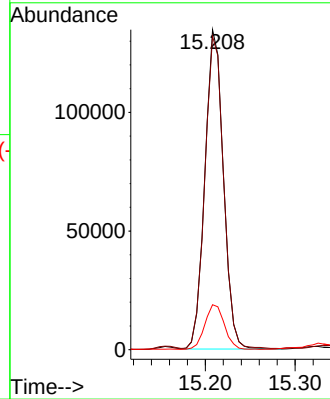
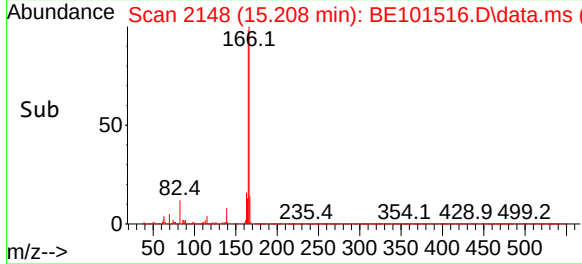
Instrument :
BNA_E
ClientSampleId :
WC-WOOD-01-C



Tgt Ion:166 Resp: 19199
Ion Ratio Lower Upper
166 100
165 98.0 79.0 118.4
167 14.0 10.6 16.0

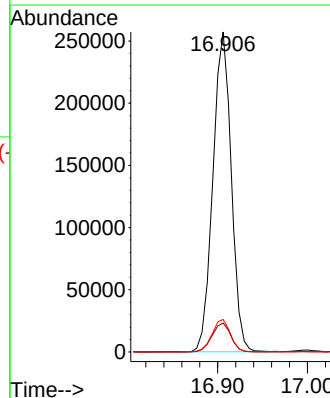
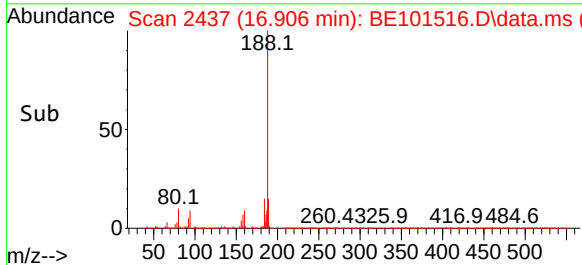
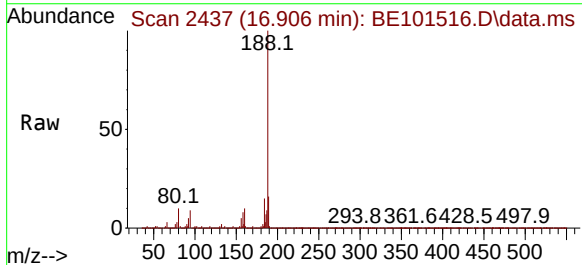
Manual Integrations
APPROVED

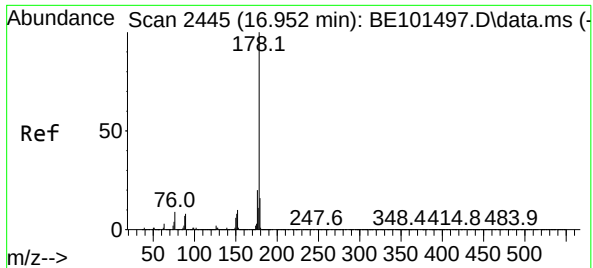
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.906 min Scan# 2437
Delta R.T. -0.005 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

Tgt Ion:188 Resp: 364933
Ion Ratio Lower Upper
188 100
94 9.1 7.4 11.2
80 10.1 8.0 12.0





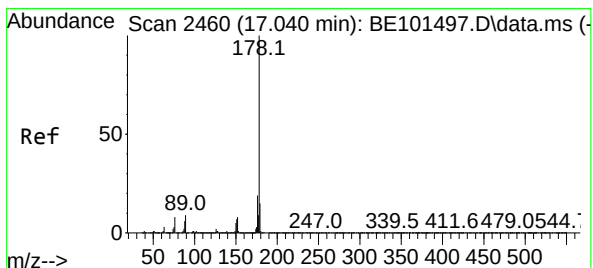
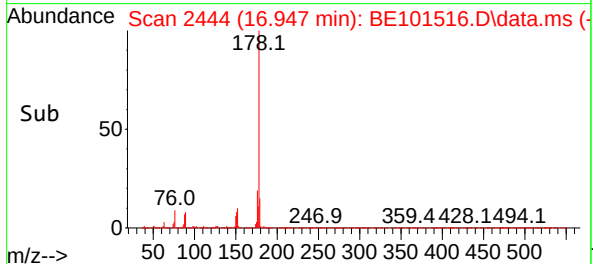
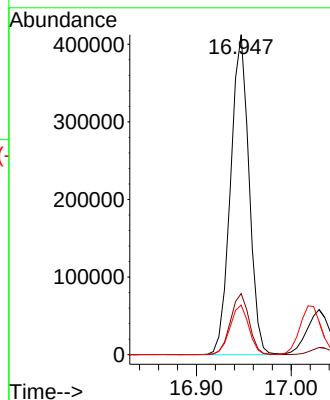
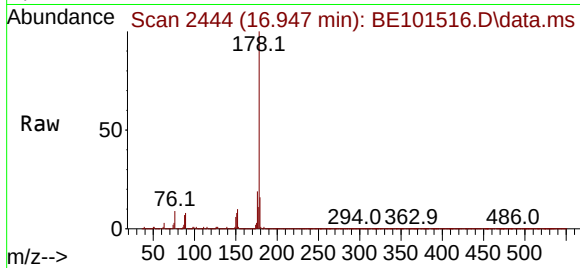
#71
Phenanthrene
Concen: 31.296 ng
RT: 16.947 min Scan# 2444
Delta R.T. -0.005 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

Instrument :
BNA_E
ClientSampleId :
WC-WOOD-01-C

Tgt Ion:178 Resp: 55547
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 15.5 12.6 19.0

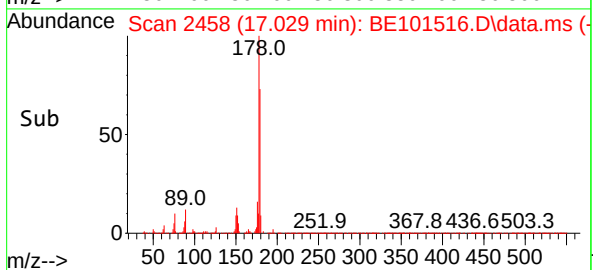
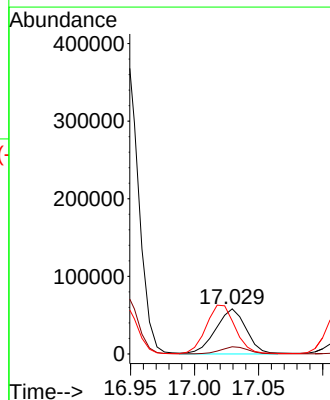
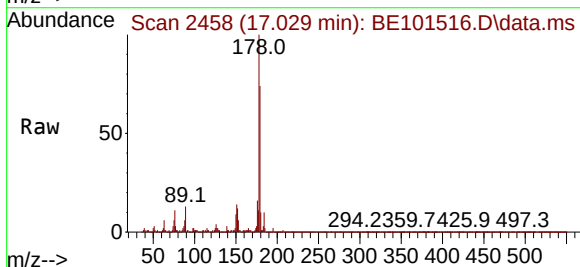
Manual Integrations
APPROVED

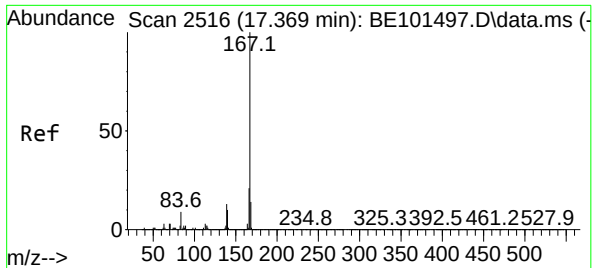
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#72
Anthracene
Concen: 5.494 ng m
RT: 17.029 min Scan# 2458
Delta R.T. -0.011 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

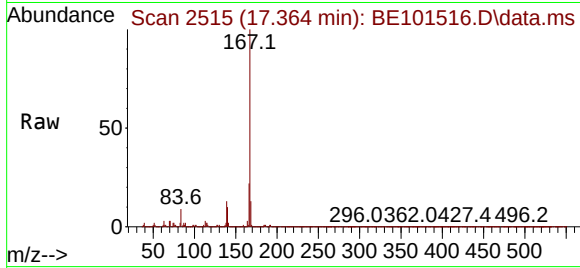
Tgt Ion:178 Resp: 96302
Ion Ratio Lower Upper
178 100
176 16.1 15.1 22.7
179 73.6 12.4 18.6#





#73
 Carbazole
 Concen: 38.881 ng
 RT: 17.364 min Scan# 2515
 Delta R.T. -0.005 min
 Lab File: BE101516.D
 Acq: 7 Nov 2024 3:38

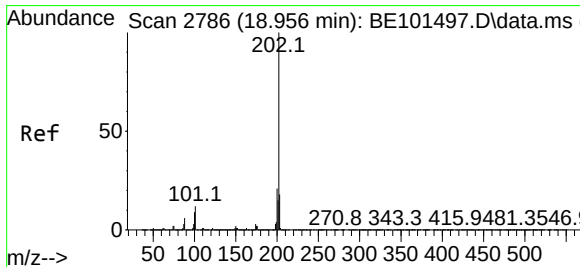
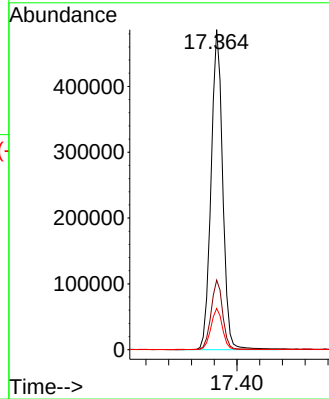
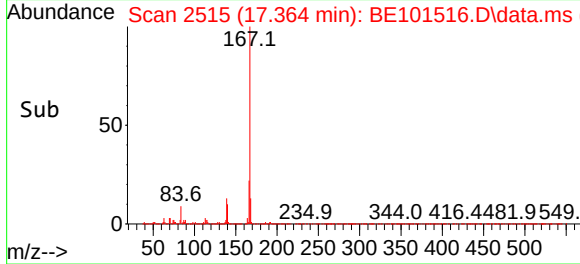
Instrument :
 BNA_E
 ClientSampleId :
 WC-WOOD-01-C



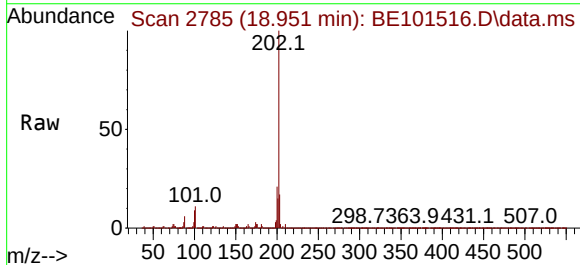
Tgt Ion:167 Resp: 683419
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.1 25.7
 139 12.9 10.2 15.2

Manual Integrations
 APPROVED

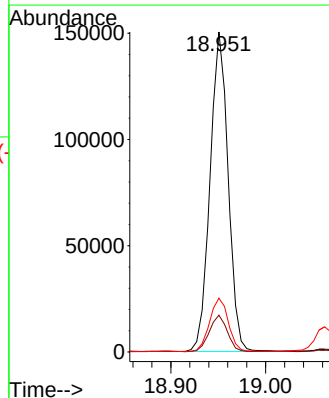
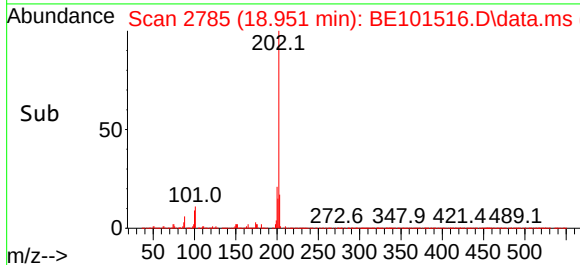
Reviewed By :Jagrut Upadhyay 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024

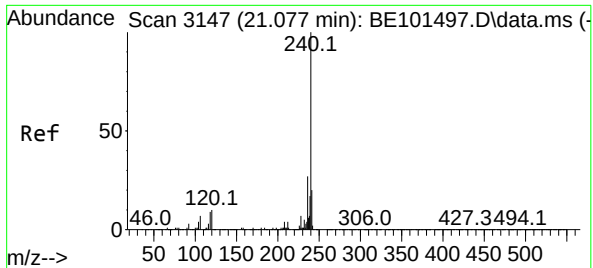


#75
 Fluoranthene
 Concen: 8.773 ng
 RT: 18.951 min Scan# 2785
 Delta R.T. -0.005 min
 Lab File: BE101516.D
 Acq: 7 Nov 2024 3:38



Tgt Ion:202 Resp: 199650
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 31.7
 203 16.8 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.066 min Scan# 3145

Delta R.T. -0.011 min

Lab File: BE101516.D

Acq: 7 Nov 2024 3:38

Instrument :

BNA_E

ClientSampleId :

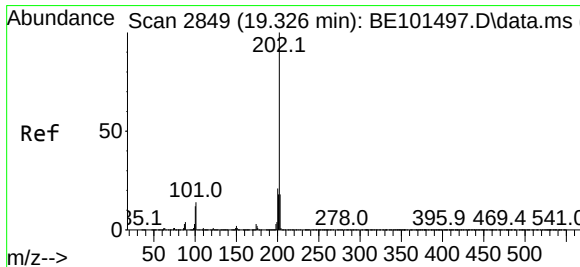
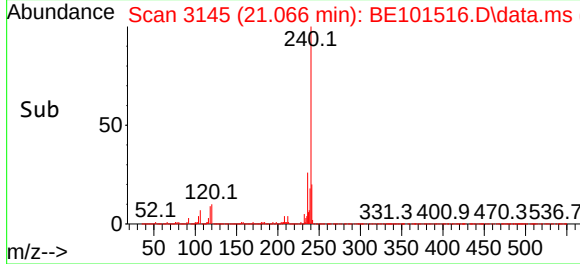
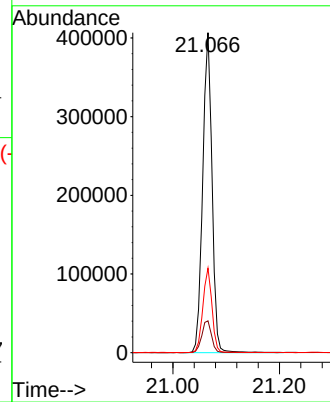
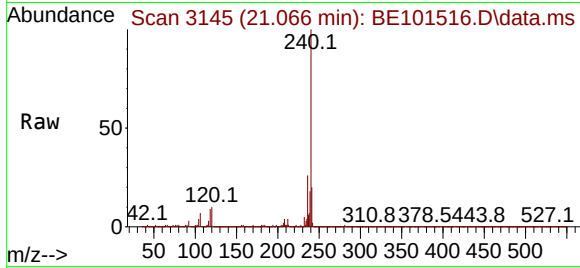
WC-WOOD-01-C

Tgt Ion:	240	Resp:	49141
Ion Ratio	Lower	Upper	
240	100		
120	10.0	8.2	12.4
236	26.4	21.4	32.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024



#78

Pyrene

Concen: 5.075 ng

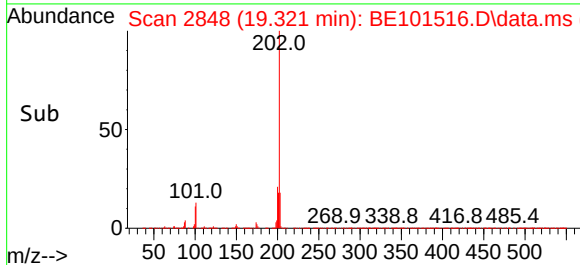
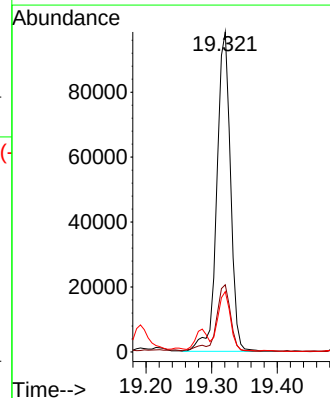
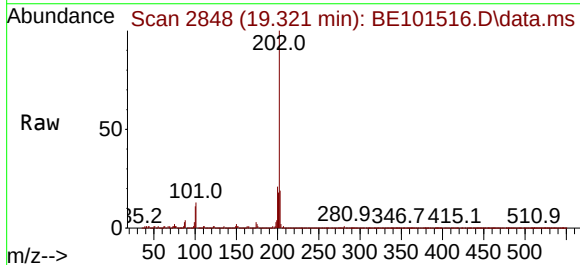
RT: 19.321 min Scan# 2848

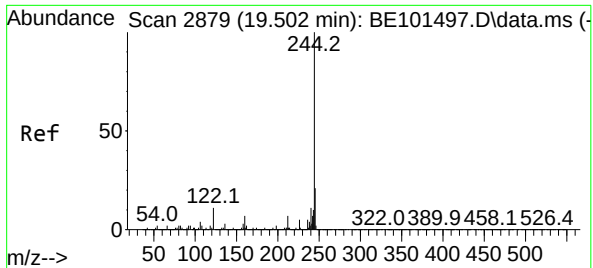
Delta R.T. -0.005 min

Lab File: BE101516.D

Acq: 7 Nov 2024 3:38

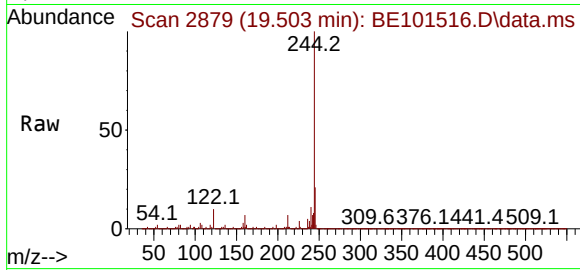
Tgt Ion:	202	Resp:	141902
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.2	25.8
203	18.9	14.2	21.4





#79
Terphenyl-d14
Concen: 94.623 ng
RT: 19.503 min Scan# 210065
Delta R.T. 0.001 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

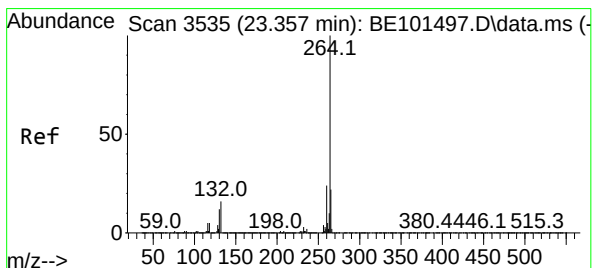
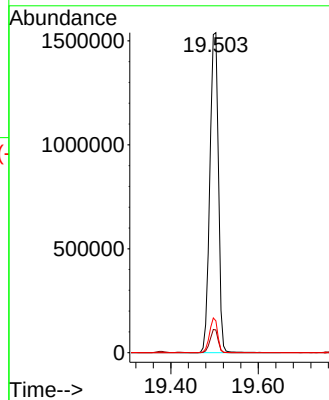
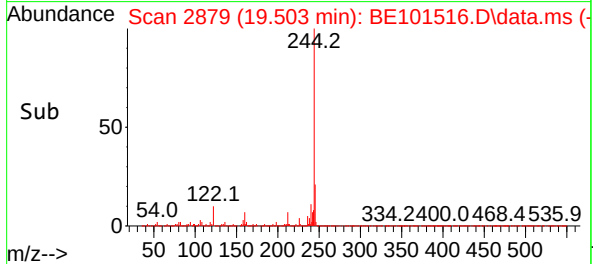
Instrument :
BNA_E
ClientSampleId :
WC-WOOD-01-C



Tgt Ion:244 Resp: 210065
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.8
122 9.9 8.4 12.6

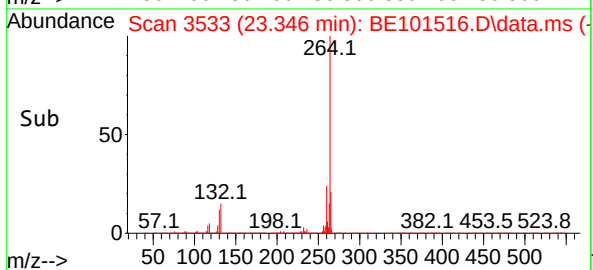
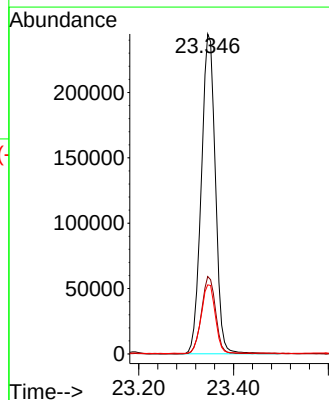
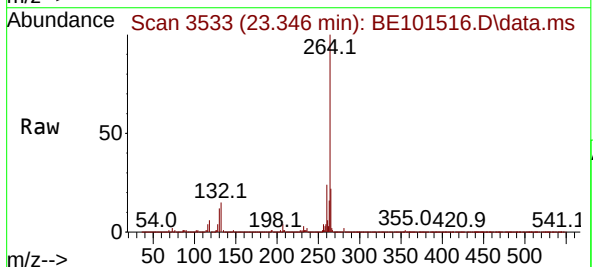
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.346 min Scan# 3533
Delta R.T. -0.011 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

Tgt Ion:264 Resp: 502658
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.2
265 21.6 17.4 26.2



Report of Analysis

Client:	ENTACT	Date Collected:	10/31/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/31/24
Client Sample ID:	WC-CONCRETE-01-C	SDG No.:	P4660
Lab Sample ID:	P4660-11	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BE101507.D	1	11/05/24 08:54	11/06/24 22:15	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	176	*	15 (10) - 110 (139)	117%	SPK: 150
13127-88-3	Phenol-d6	153		15 (10) - 110 (134)	102%	SPK: 150
4165-60-0	Nitrobenzene-d5	118		30 (49) - 130 (133)	118%	SPK: 100
321-60-8	2-Fluorobiphenyl	111		30 (52) - 130 (132)	111%	SPK: 100
118-79-6	2,4,6-Tribromophenol	182	*	15 (44) - 110 (137)	121%	SPK: 150
1718-51-0	Terphenyl-d14	86.8		30 (48) - 130 (125)	87%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	47000		7.559		
1146-65-2	Naphthalene-d8	200000		10.332		
15067-26-2	Acenaphthene-d10	139000		14.169		
1517-22-2	Phenanthrene-d10	336000		16.907		
1719-03-5	Chrysene-d12	438000		21.066		
1520-96-3	Perylene-d12	583000		23.352		

Report of Analysis

Client:	ENTACT	Date Collected:	10/31/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/31/24
Client Sample ID:	WC-CONCRETE-01-C	SDG No.:	P4660
Lab Sample ID:	P4660-11	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BE101507.D	1	11/05/24 08:54	11/06/24 22:15	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\BE110624\
Data File : BE101507.D
Acq On : 6 Nov 2024 22:15
Operator : RC/JU
Sample : P4660-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
WC-CONCRETE-01-C

Quant Time: Nov 07 01:05:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

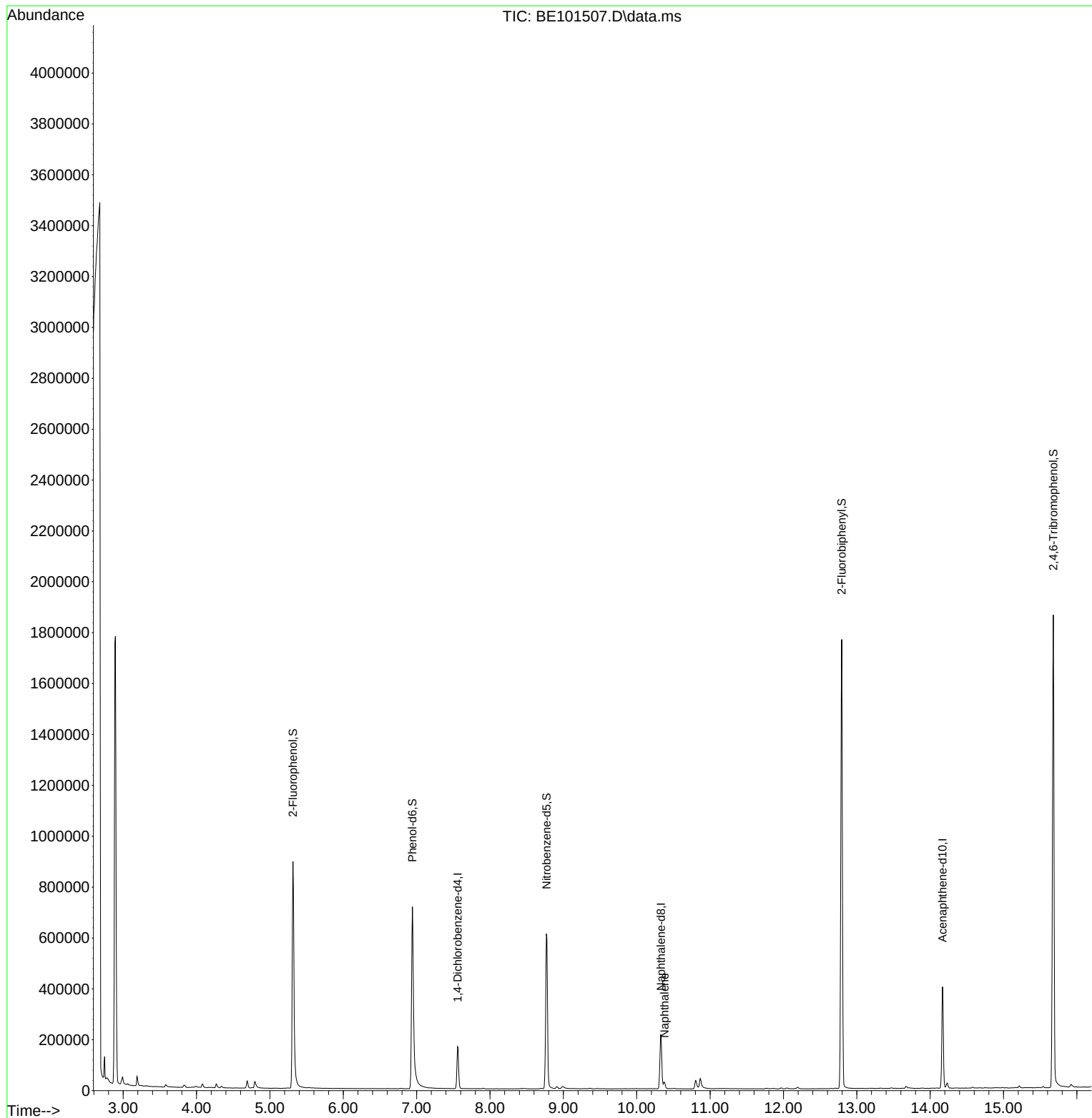
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.559	152	46975	20.000	ng	0.00
21) Naphthalene-d8	10.332	136	200241	20.000	ng	0.00
39) Acenaphthene-d10	14.169	164	139072	20.000	ng	0.00
64) Phenanthrene-d10	16.907	188	335687	20.000	ng	0.00
76) Chrysene-d12	21.066	240	438455	20.000	ng	-0.01
86) Perylene-d12	23.352	264	582677	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.314	112	467265	175.882	ng	0.00
7) Phenol-d6	6.942	99	558745	153.395	ng	0.00
23) Nitrobenzene-d5	8.769	82	374015	117.981	ng	0.00
42) 2,4,6-Tribromophenol	15.679	330	476724	182.170	ng	0.00
45) 2-Fluorobiphenyl	12.794	172	946514	111.127	ng	0.00
79) Terphenyl-d14	19.498	244	1719406	86.805	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.379	128	21474	2.124	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101507.D
Acq On : 6 Nov 2024 22:15
Operator : RC/JU
Sample : P4660-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
WC-CONCRETE-01-C

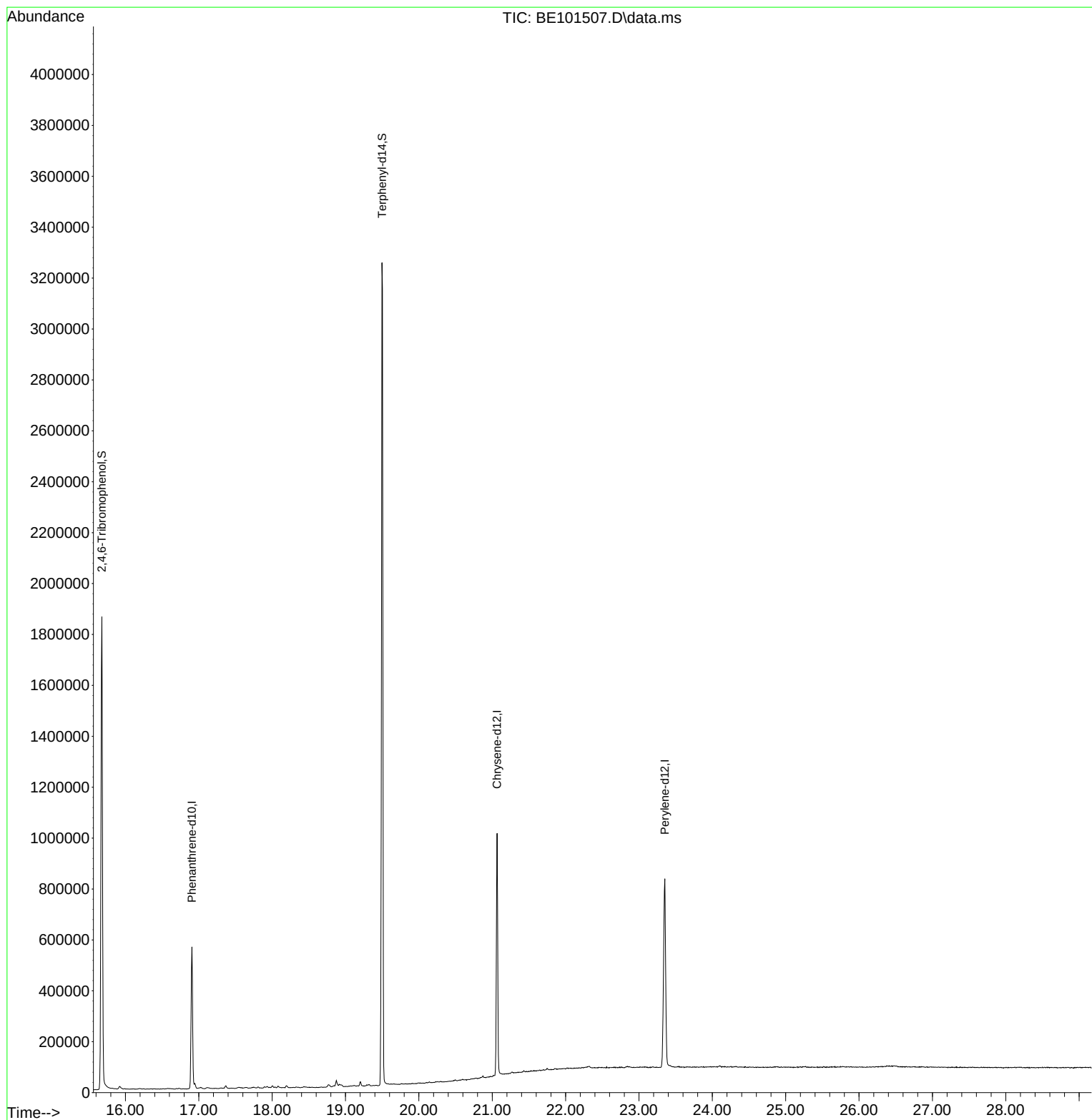
Quant Time: Nov 07 01:05:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

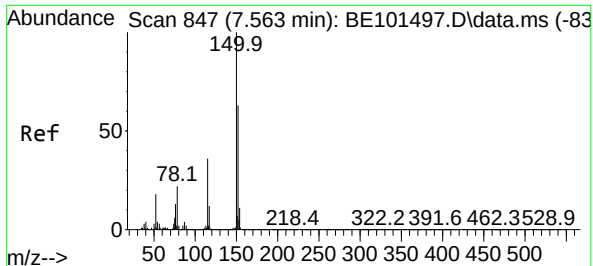


Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101507.D
Acq On : 6 Nov 2024 22:15
Operator : RC/JU
Sample : P4660-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
WC-CONCRETE-01-C

Quant Time: Nov 07 01:05:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

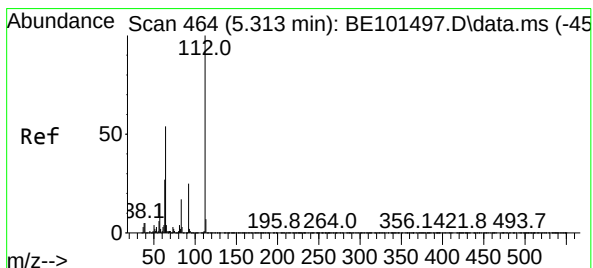
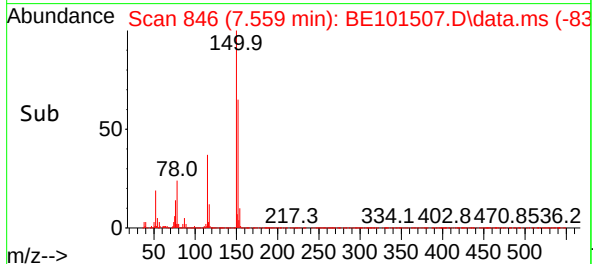
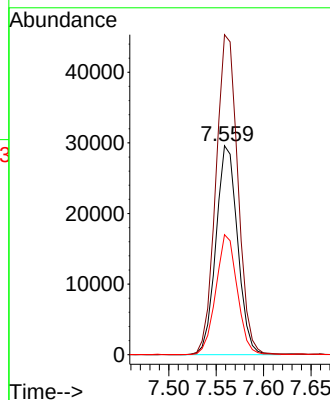
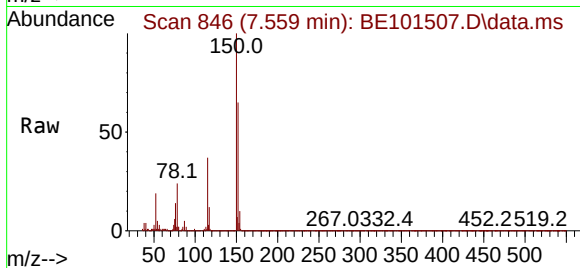




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.559 min Scan# 847
Delta R.T. -0.004 min
Lab File: BE101507.D
Acq: 6 Nov 2024 22:15

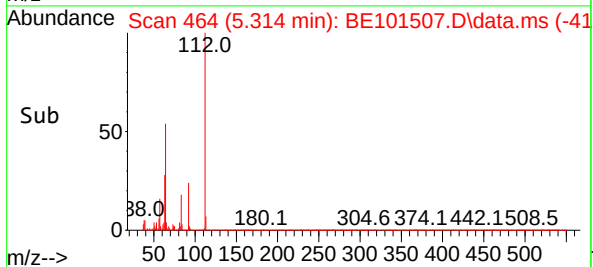
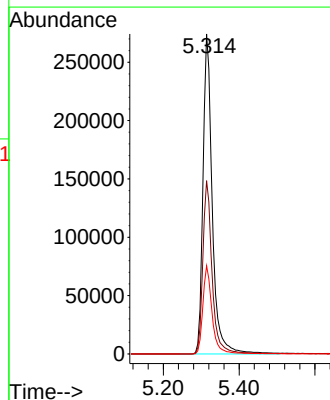
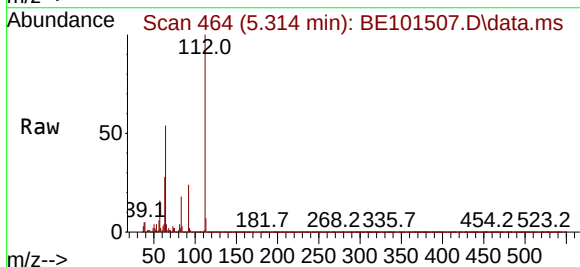
Instrument :
BNA_E
ClientSampleId :
WC-CONCRETE-01-C

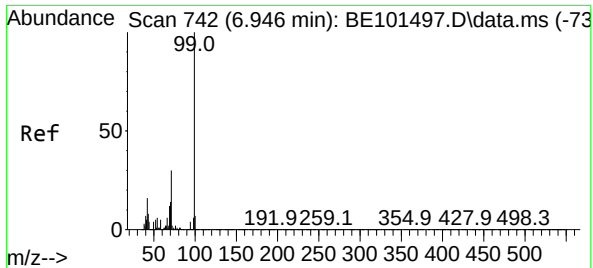
Tgt Ion:152 Resp: 46975
Ion Ratio Lower Upper
152 100
150 153.1 126.3 189.5
115 57.4 45.0 67.4



#5
2-Fluorophenol
Concen: 175.882 ng
RT: 5.314 min Scan# 464
Delta R.T. 0.001 min
Lab File: BE101507.D
Acq: 6 Nov 2024 22:15

Tgt Ion:112 Resp: 467265
Ion Ratio Lower Upper
112 100
64 54.1 43.2 64.8
63 27.5 21.8 32.6

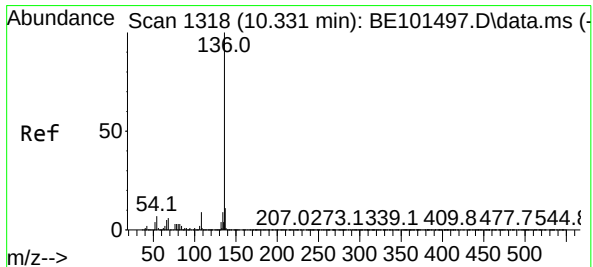
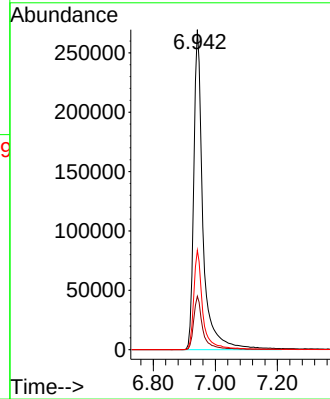
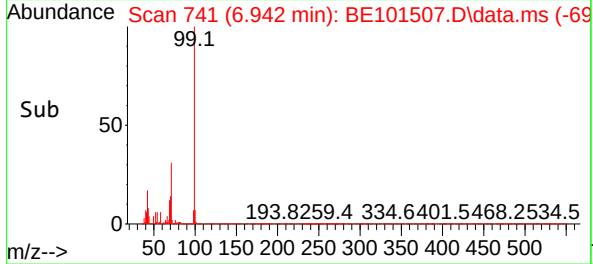
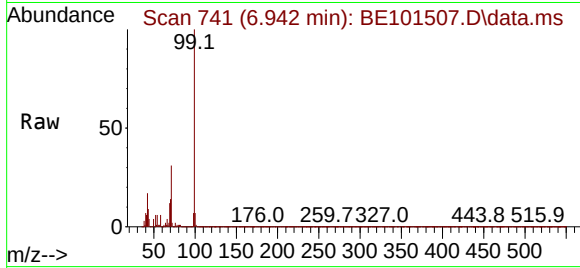




#7
Phenol-d6
Concen: 153.395 ng
RT: 6.942 min Scan# 741
Delta R.T. -0.005 min
Lab File: BE101507.D
Acq: 6 Nov 2024 22:15

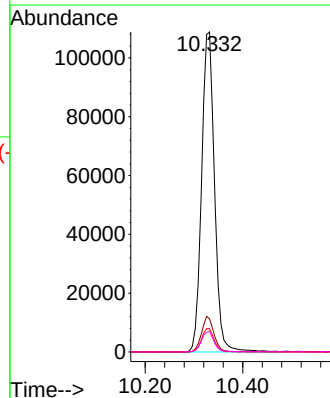
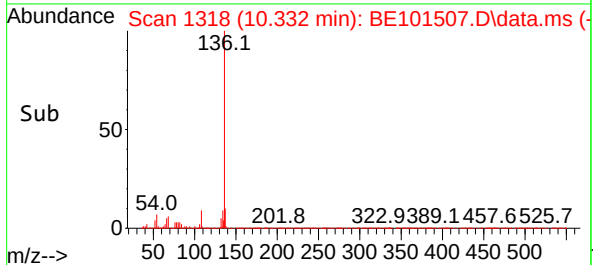
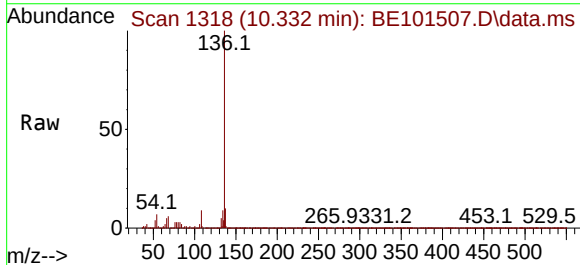
Instrument :
BNA_E
ClientSampleId :
WC-CONCRETE-01-C

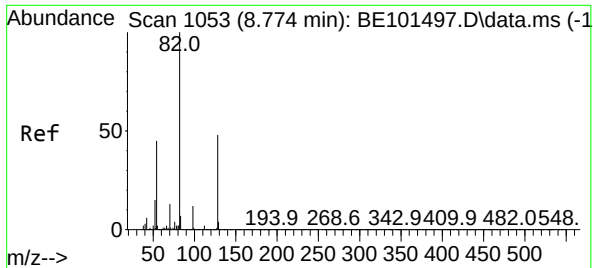
Tgt Ion: 99 Resp: 558745
Ion Ratio Lower Upper
99 100
42 16.7 12.5 18.7
71 31.1 24.2 36.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.332 min Scan# 1318
Delta R.T. 0.001 min
Lab File: BE101507.D
Acq: 6 Nov 2024 22:15

Tgt Ion: 136 Resp: 200241
Ion Ratio Lower Upper
136 100
137 10.4 8.6 13.0
54 7.3 5.6 8.4
68 6.4 4.8 7.2





#23

Nitrobenzene-d5

Concen: 117.981 ng

RT: 8.769 min Scan# 1052

Delta R.T. -0.005 min

Lab File: BE101507.D

Acq: 6 Nov 2024 22:15

Instrument :

BNA_E

ClientSampleId :

WC-CONCRETE-01-C

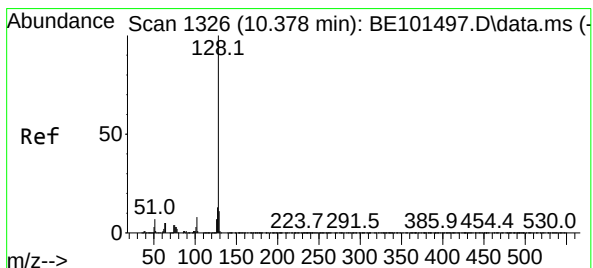
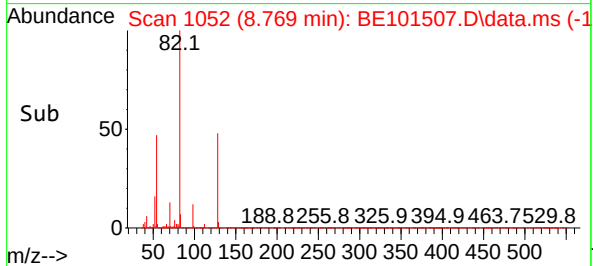
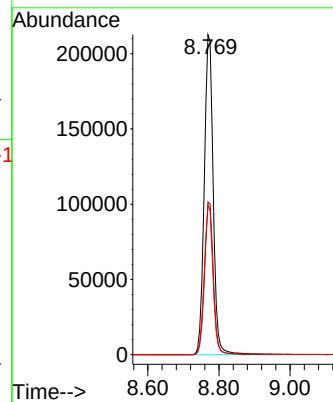
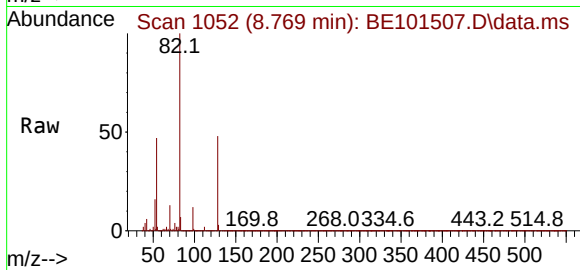
Tgt Ion: 82 Resp: 374015

Ion Ratio Lower Upper

82 100

128 47.7 38.6 58.0

54 46.7 36.3 54.5



#31

Naphthalene

Concen: 2.124 ng

RT: 10.379 min Scan# 1326

Delta R.T. 0.001 min

Lab File: BE101507.D

Acq: 6 Nov 2024 22:15

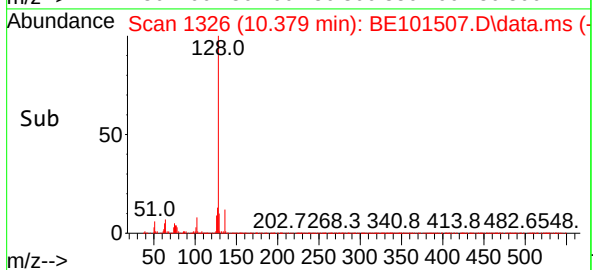
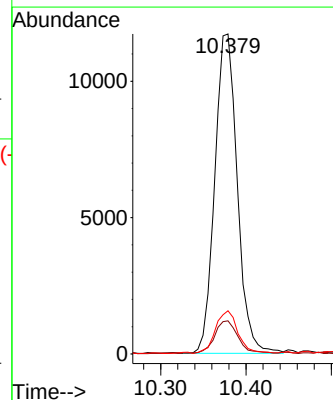
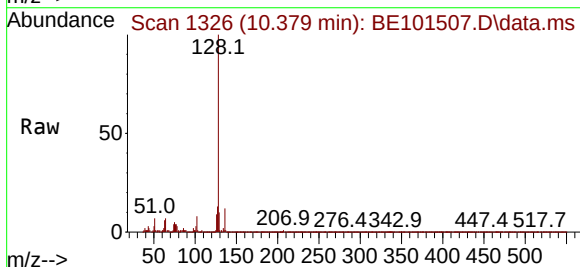
Tgt Ion: 128 Resp: 21474

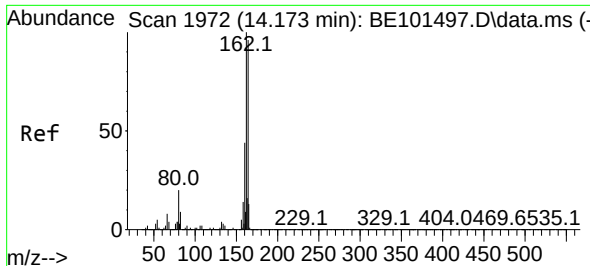
Ion Ratio Lower Upper

128 100

129 10.3 8.9 13.3

127 13.5 10.3 15.5

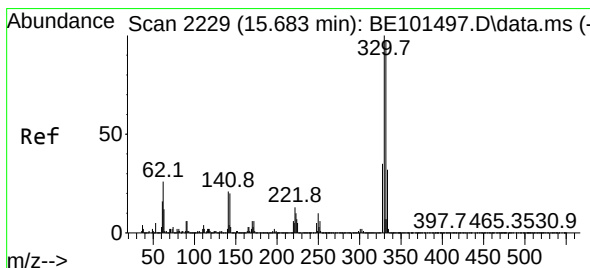
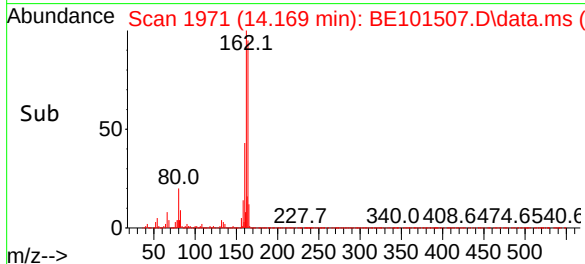
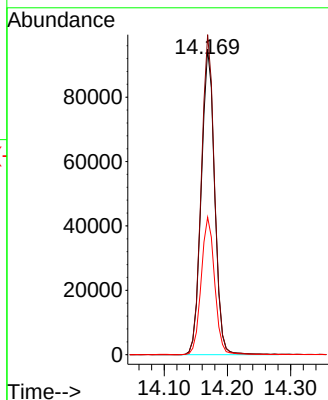
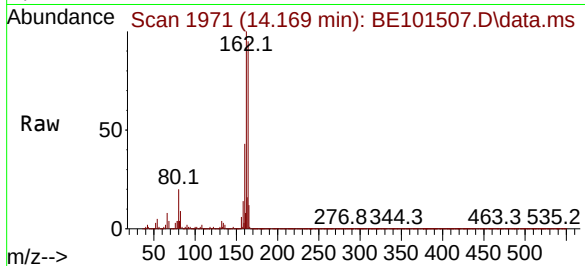




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.169 min Scan# 1972
Delta R.T. -0.005 min
Lab File: BE101507.D
Acq: 6 Nov 2024 22:15

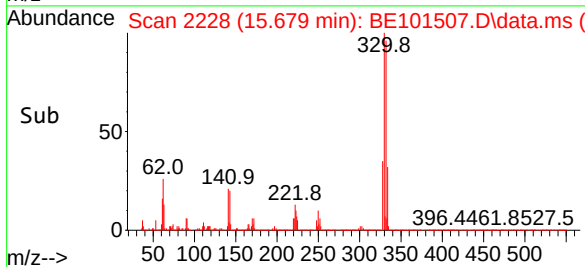
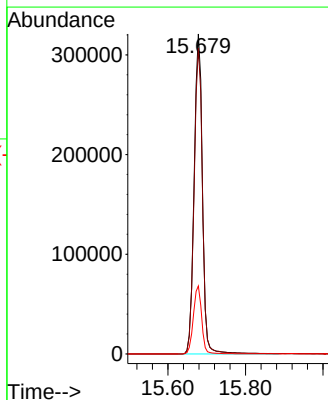
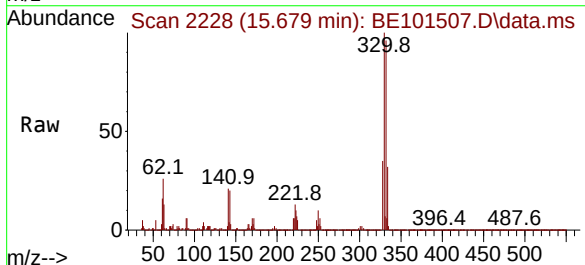
Instrument :
BNA_E
ClientSampleId :
WC-CONCRETE-01-C

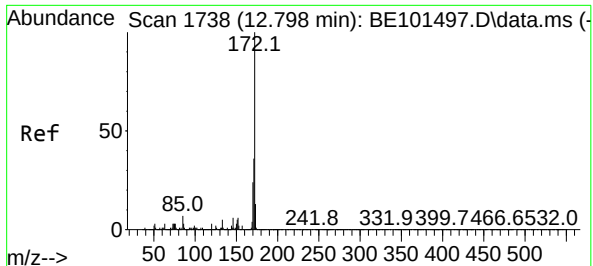
Tgt Ion:164 Resp: 139072
Ion Ratio Lower Upper
164 100
162 104.8 83.7 125.5
160 45.0 37.1 55.7



#42
2,4,6-Tribromophenol
Concen: 182.170 ng
RT: 15.679 min Scan# 2228
Delta R.T. -0.005 min
Lab File: BE101507.D
Acq: 6 Nov 2024 22:15

Tgt Ion:330 Resp: 476724
Ion Ratio Lower Upper
330 100
332 96.3 77.7 116.5
141 21.2 17.0 25.4

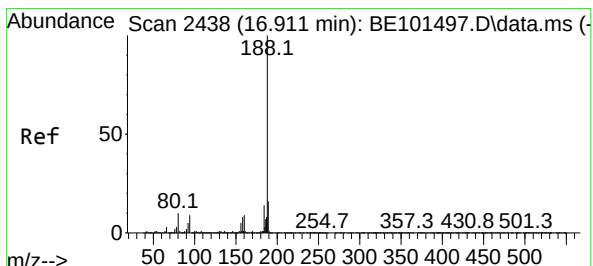
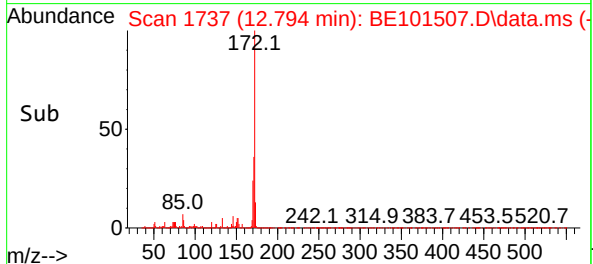
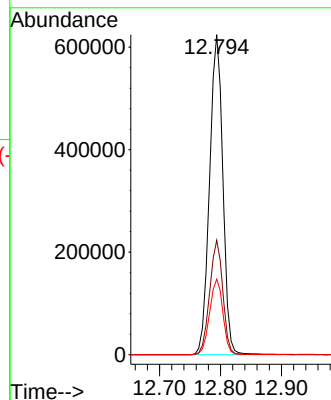
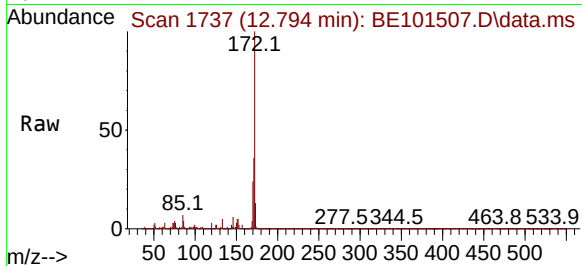




#45
2-Fluorobiphenyl
Concen: 111.127 ng
RT: 12.794 min Scan# 1737
Delta R.T. -0.005 min
Lab File: BE101507.D
Acq: 6 Nov 2024 22:15

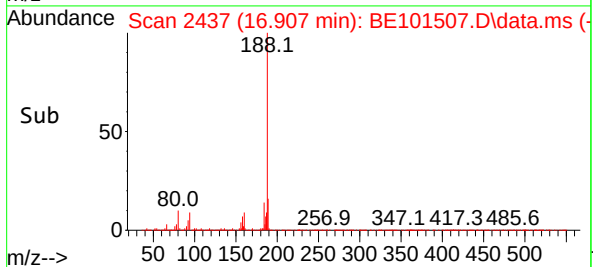
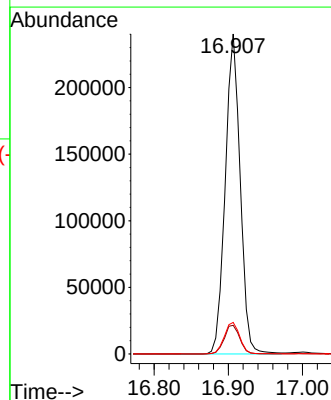
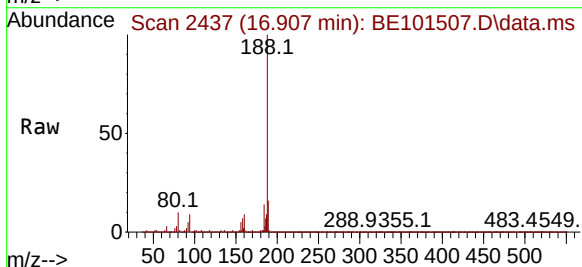
Instrument :
BNA_E
ClientSampleId :
WC-CONCRETE-01-C

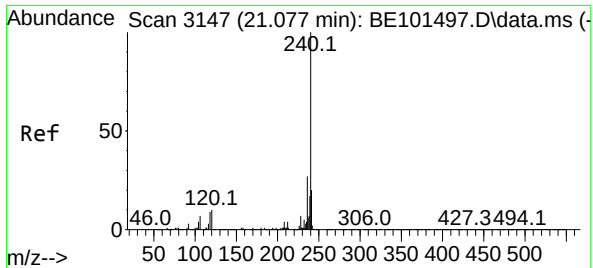
Tgt Ion:172 Resp: 946514
Ion Ratio Lower Upper
172 100
171 35.8 28.6 43.0
170 23.6 18.9 28.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.907 min Scan# 2437
Delta R.T. -0.005 min
Lab File: BE101507.D
Acq: 6 Nov 2024 22:15

Tgt Ion:188 Resp: 335687
Ion Ratio Lower Upper
188 100
94 9.0 7.4 11.2
80 9.9 8.0 12.0

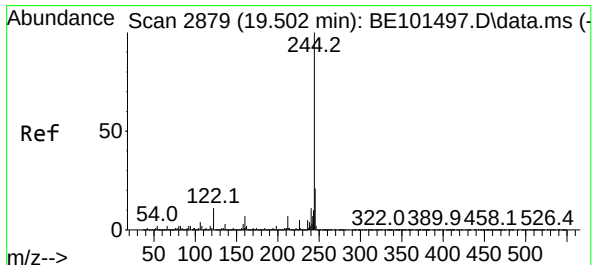
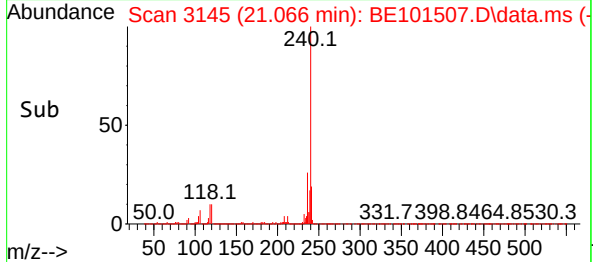
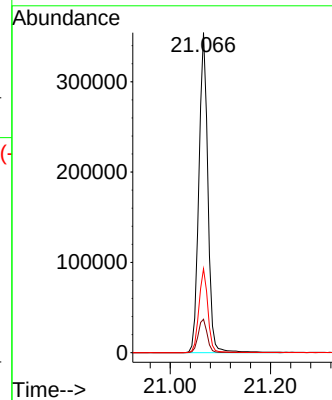
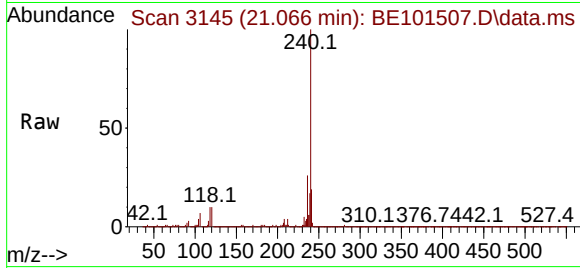




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.066 min Scan# 3147
Delta R.T. -0.010 min
Lab File: BE101507.D
Acq: 6 Nov 2024 22:15

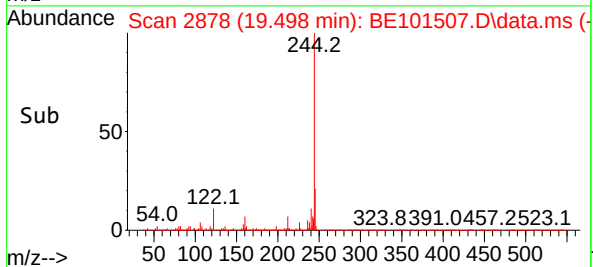
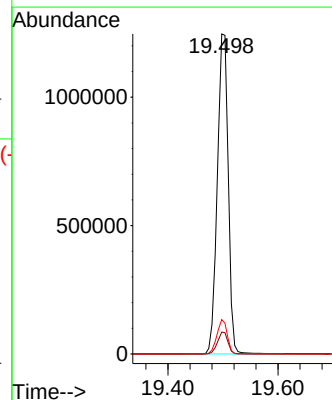
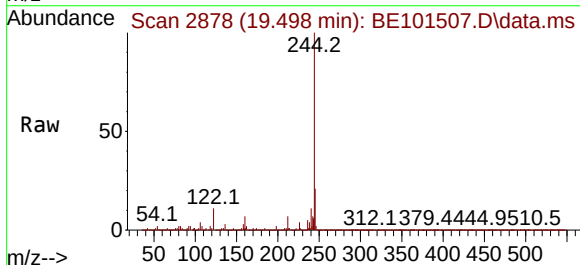
Instrument :
BNA_E
ClientSampleId :
WC-CONCRETE-01-C

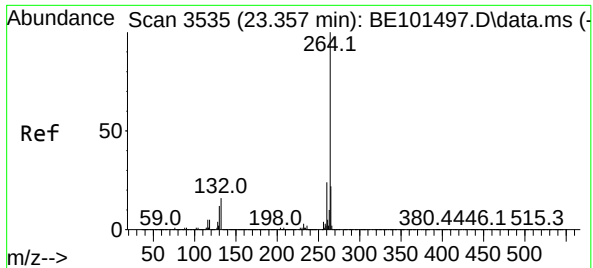
Tgt Ion:240 Resp: 438455
Ion Ratio Lower Upper
240 100
120 10.4 8.2 12.4
236 26.2 21.4 32.2



#79
Terphenyl-d14
Concen: 86.805 ng
RT: 19.498 min Scan# 2878
Delta R.T. -0.005 min
Lab File: BE101507.D
Acq: 6 Nov 2024 22:15

Tgt Ion:244 Resp: 1719406
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.8
122 10.7 8.4 12.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.352 min Scan# 31

Delta R.T. -0.005 min

Lab File: BE101507.D

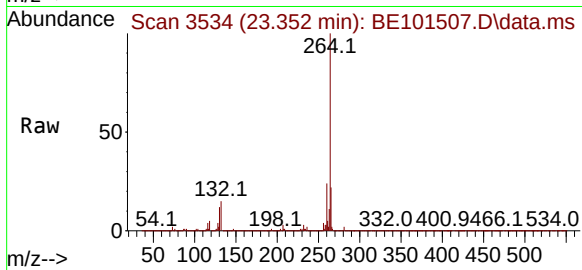
Acq: 6 Nov 2024 22:15

Instrument :

BNA_E

ClientSampleId :

WC-CONCRETE-01-C



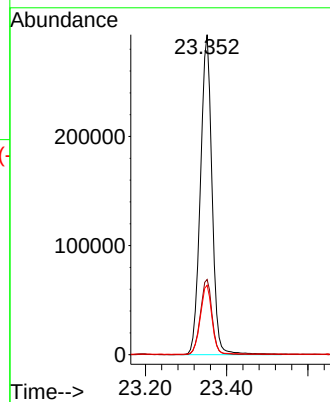
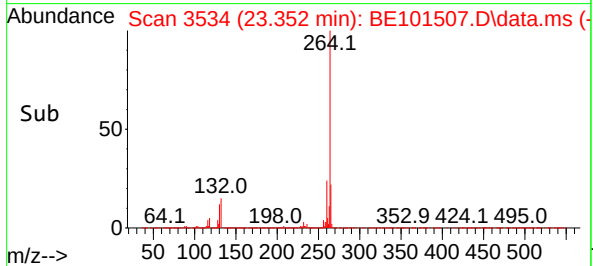
Tgt Ion:264 Resp: 582677

Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.2

265 21.7 17.4 26.2



Report of Analysis

Client:	ENTACT	Date Collected:	11/05/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/05/24
Client Sample ID:	PB164561TB	SDG No.:	P4660
Lab Sample ID:	PB164561TB	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BE101505.D	1	11/05/24 08:54	11/06/24 21:04	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	157		15 (10) - 110 (139)	104%	SPK: 150
13127-88-3	Phenol-d6	142		15 (10) - 110 (134)	95%	SPK: 150
4165-60-0	Nitrobenzene-d5	97.6		30 (49) - 130 (133)	98%	SPK: 100
321-60-8	2-Fluorobiphenyl	101		30 (52) - 130 (132)	101%	SPK: 100
118-79-6	2,4,6-Tribromophenol	141		15 (44) - 110 (137)	94%	SPK: 150
1718-51-0	Terphenyl-d14	97.6		30 (48) - 130 (125)	98%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	53900	7.565			
1146-65-2	Naphthalene-d8	224000	10.326			
15067-26-2	Acenaphthene-d10	147000	14.169			
1517-22-2	Phenanthrene-d10	335000	16.907			
1719-03-5	Chrysene-d12	421000	21.067			
1520-96-3	Perylene-d12	610000	23.352			

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	11/05/24	
Client Sample ID:	PB164561TB		SDG No.:	P4660	
Lab Sample ID:	PB164561TB		Matrix:	TCLP	
Analytical Method:	SW8270		% Solid:	0	
Sample Wt/Vol:	100	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	TCLP BNA	
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
BE101505.D	1	11/05/24 08:54	11/06/24 21:04	PB164561

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\BE110624\
Data File : BE101505.D
Acq On : 6 Nov 2024 21:04
Operator : RC/JU
Sample : PB164561TB
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB164561TB

Quant Time: Nov 07 01:04:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.565	152	53927	20.000	ng	0.00
21) Naphthalene-d8	10.326	136	223555	20.000	ng	0.00
39) Acenaphthene-d10	14.169	164	146954	20.000	ng	0.00
64) Phenanthrene-d10	16.907	188	335497	20.000	ng	0.00
76) Chrysene-d12	21.067	240	420702	20.000	ng	-0.01
86) Perylene-d12	23.352	264	609595	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.314	112	477509	156.567	ng	0.00
7) Phenol-d6	6.942	99	592785	141.760	ng	0.00
23) Nitrobenzene-d5	8.769	82	345256	97.551	ng	0.00
42) 2,4,6-Tribromophenol	15.679	330	389579	140.885	ng	0.00
45) 2-Fluorobiphenyl	12.794	172	908654	100.960	ng	0.00
79) Terphenyl-d14	19.504	244	1855262	97.616	ng	0.00

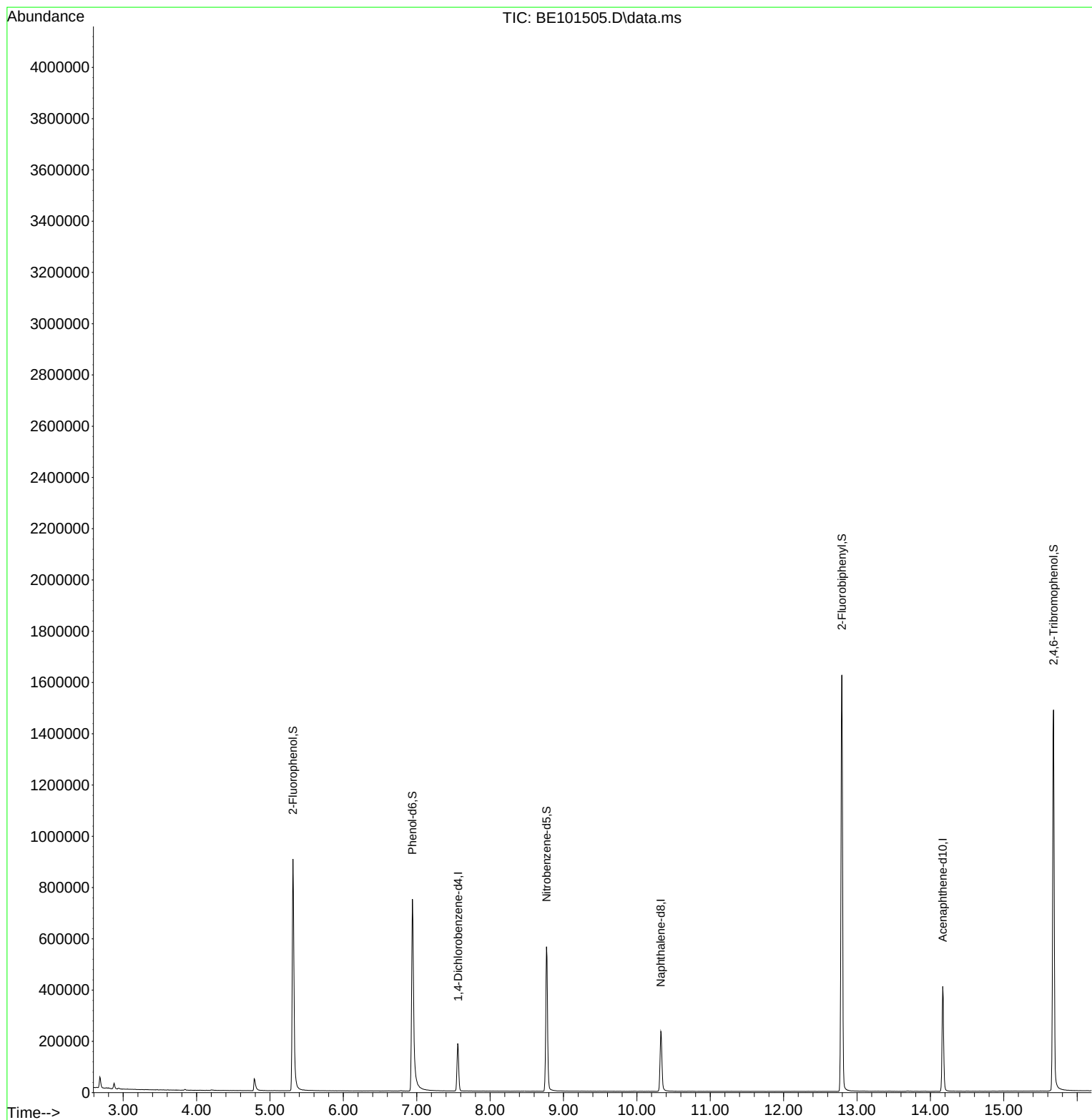
Target Compounds	Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101505.D
Acq On : 6 Nov 2024 21:04
Operator : RC/JU
Sample : PB164561TB
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB164561TB

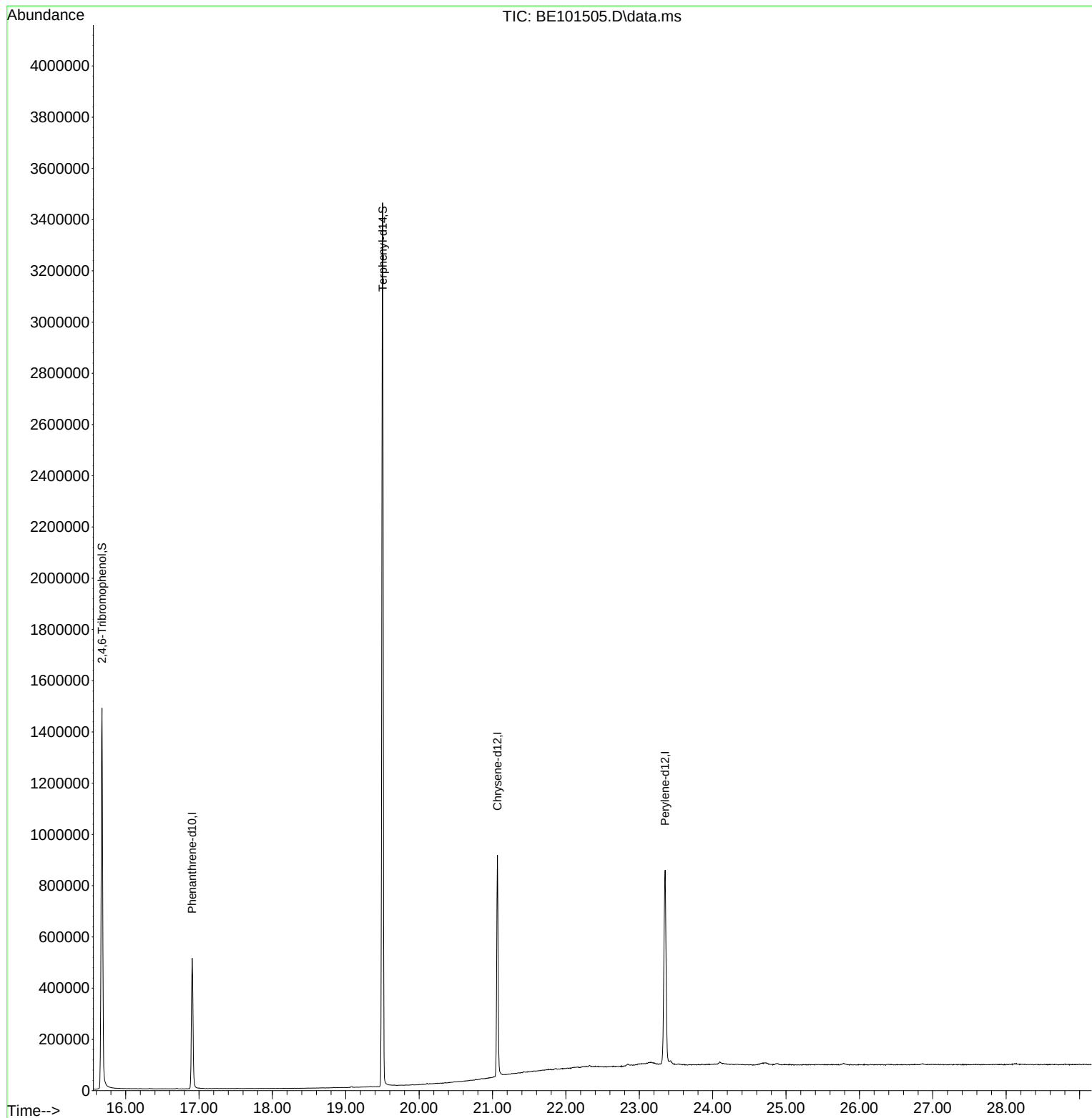
Quant Time: Nov 07 01:04:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

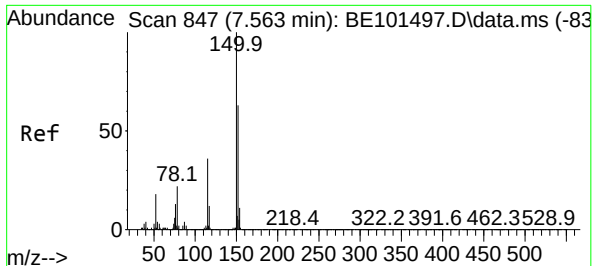


Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101505.D
Acq On : 6 Nov 2024 21:04
Operator : RC/JU
Sample : PB164561TB
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB164561TB

Quant Time: Nov 07 01:04:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

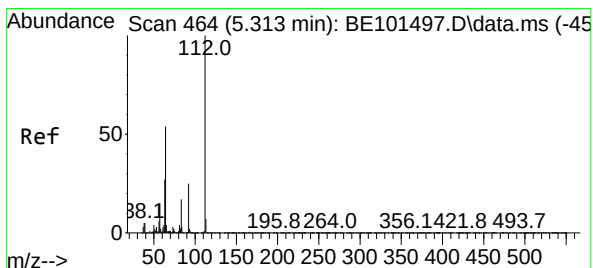
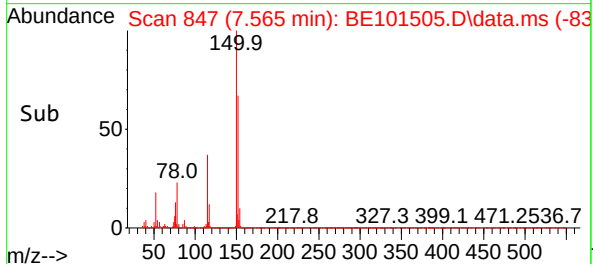
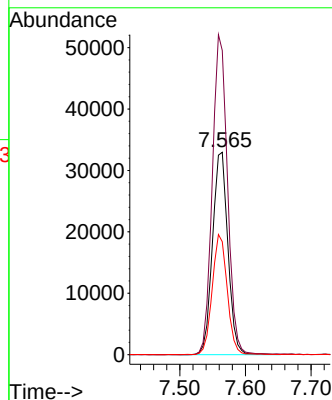
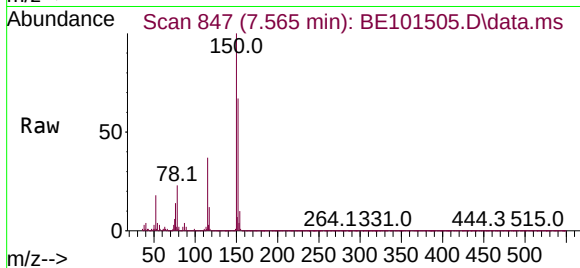




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.565 min Scan# 847
Delta R.T. 0.002 min
Lab File: BE101505.D
Acq: 6 Nov 2024 21:04

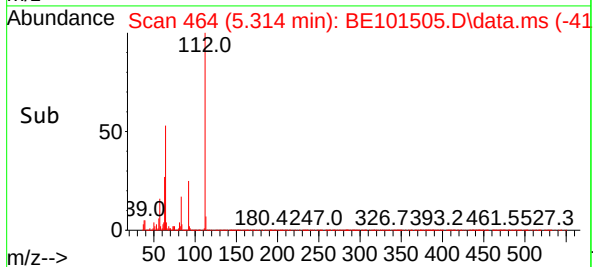
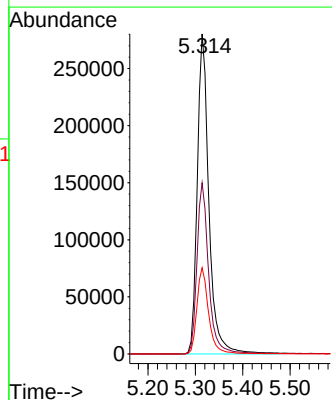
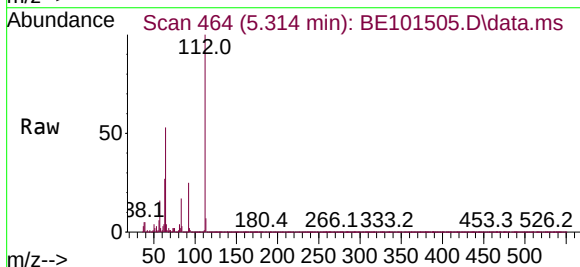
Instrument :
BNA_E
ClientSampleId :
PB164561TB

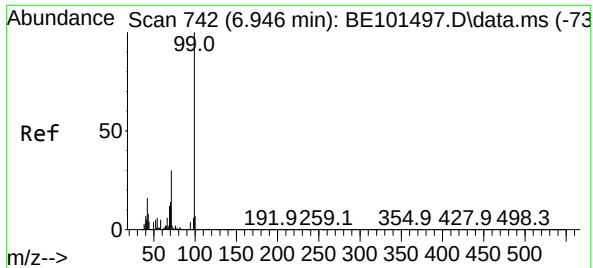
Tgt Ion:152 Resp: 53927
Ion Ratio Lower Upper
152 100
150 150.3 126.3 189.5
115 55.8 45.0 67.4



#5
2-Fluorophenol
Concen: 156.567 ng
RT: 5.314 min Scan# 464
Delta R.T. 0.001 min
Lab File: BE101505.D
Acq: 6 Nov 2024 21:04

Tgt Ion:112 Resp: 477509
Ion Ratio Lower Upper
112 100
64 53.5 43.2 64.8
63 26.9 21.8 32.6





#7

Phenol-d6

Concen: 141.760 ng

RT: 6.942 min Scan# 741

Delta R.T. -0.004 min

Lab File: BE101505.D

Acq: 6 Nov 2024 21:04

Instrument :

BNA_E

ClientSampleId :

PB164561TB

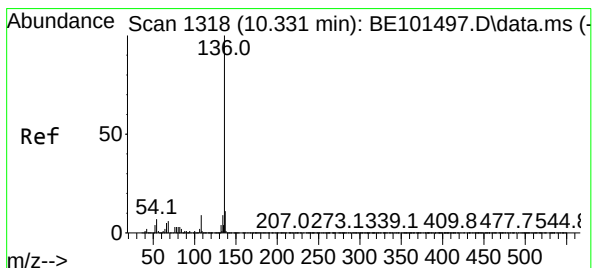
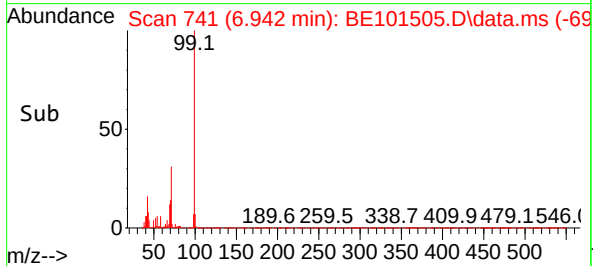
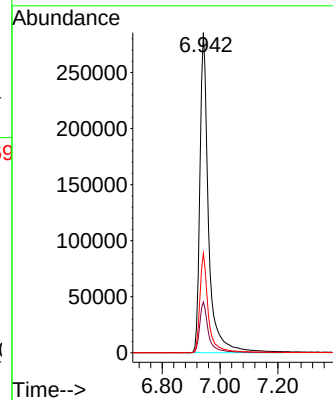
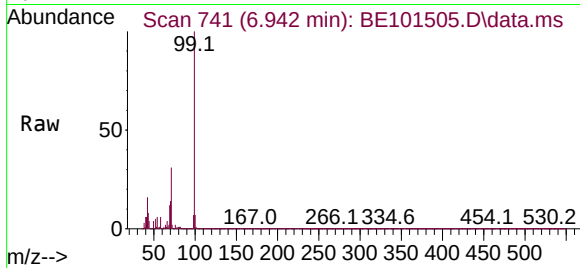
Tgt Ion: 99 Resp: 592785

Ion Ratio Lower Upper

99 100

42 15.8 12.5 18.7

71 31.0 24.2 36.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.326 min Scan# 1317

Delta R.T. -0.004 min

Lab File: BE101505.D

Acq: 6 Nov 2024 21:04

Tgt Ion: 136 Resp: 223555

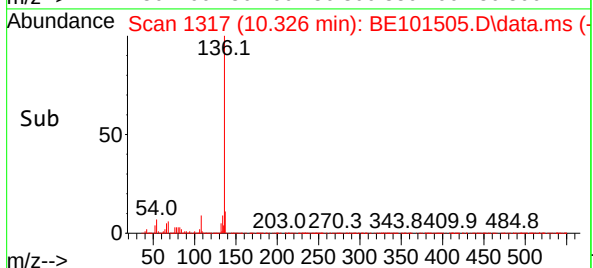
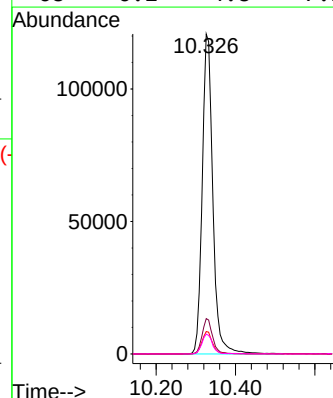
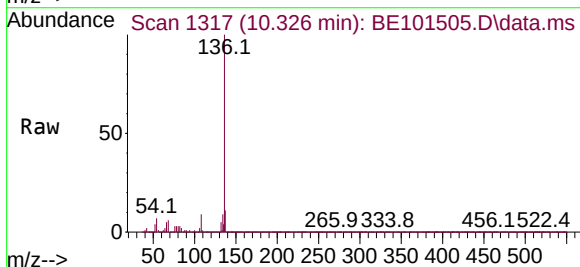
Ion Ratio Lower Upper

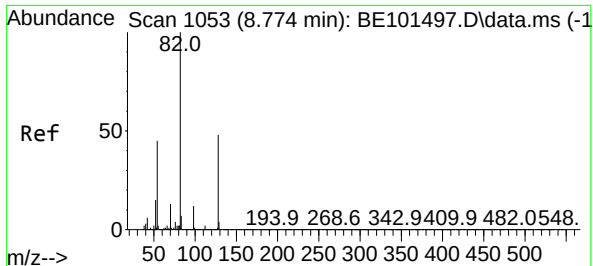
136 100

137 11.1 8.6 13.0

54 7.0 5.6 8.4

68 6.2 4.8 7.2





#23

Nitrobenzene-d5

Concen: 97.551 ng

RT: 8.769 min Scan# 1052

Delta R.T. -0.004 min

Lab File: BE101505.D

Acq: 6 Nov 2024 21:04

Instrument :

BNA_E

ClientSampleId :

PB164561TB

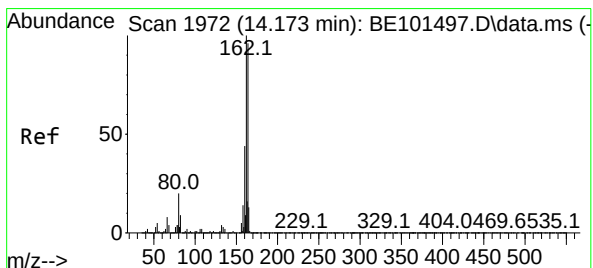
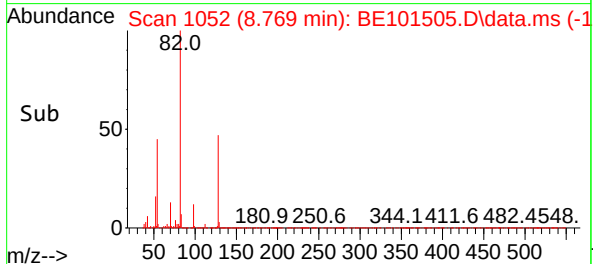
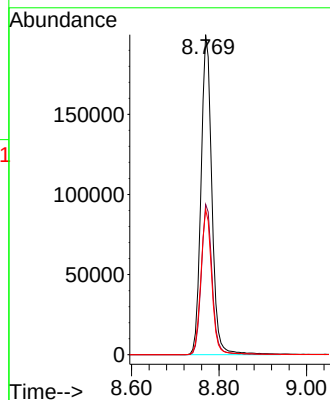
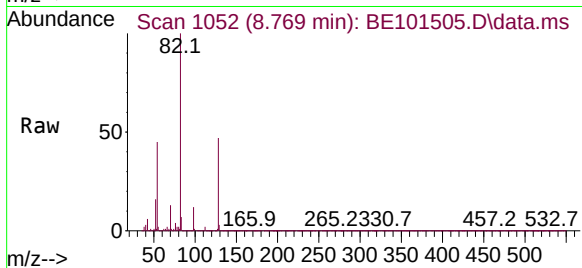
Tgt Ion: 82 Resp: 345256

Ion Ratio Lower Upper

82 100

128 46.9 38.6 58.0

54 45.3 36.3 54.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.169 min Scan# 1971

Delta R.T. -0.004 min

Lab File: BE101505.D

Acq: 6 Nov 2024 21:04

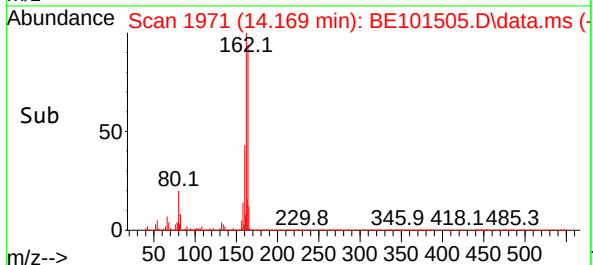
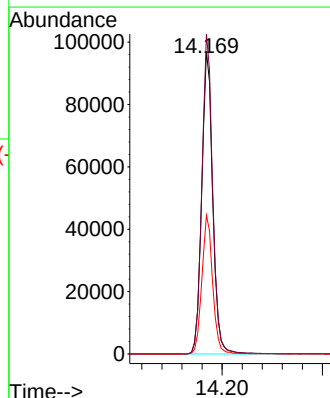
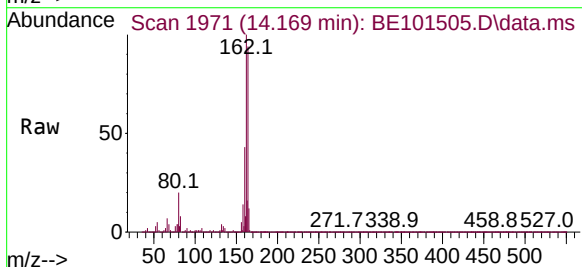
Tgt Ion:164 Resp: 146954

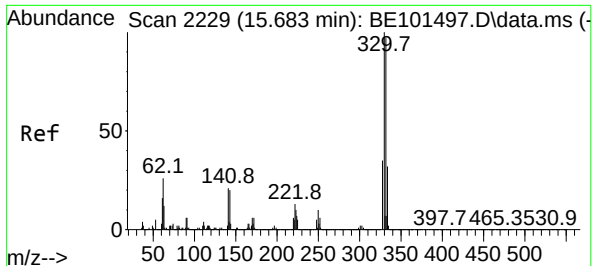
Ion Ratio Lower Upper

164 100

162 105.9 83.7 125.5

160 45.8 37.1 55.7

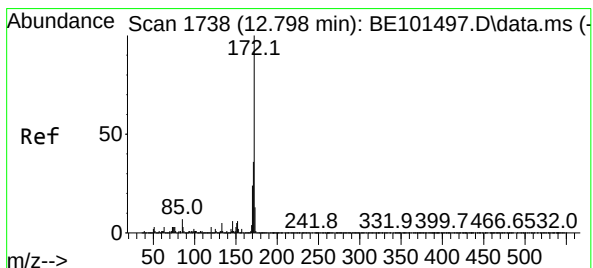
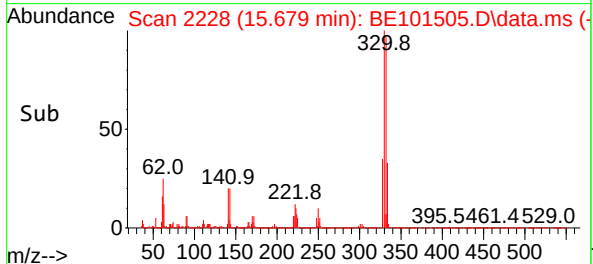
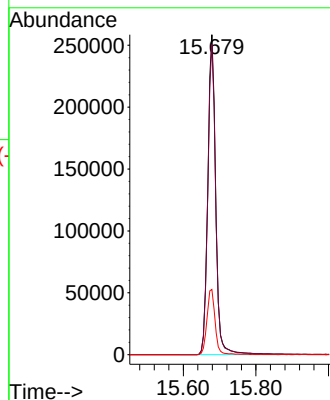
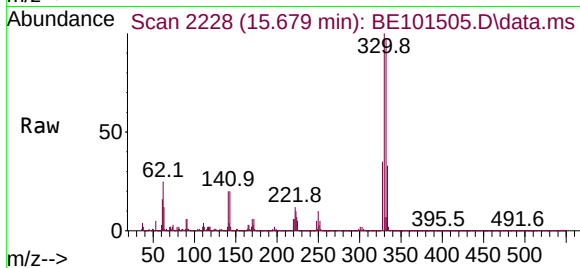




#42
2,4,6-Tribromophenol
Concen: 140.885 ng
RT: 15.679 min Scan# 21
Delta R.T. -0.004 min
Lab File: BE101505.D
Acq: 6 Nov 2024 21:04

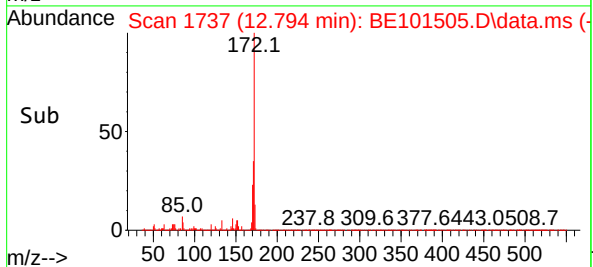
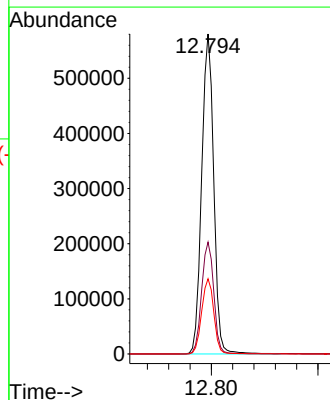
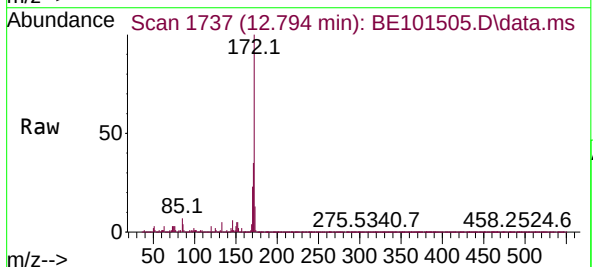
Instrument :
BNA_E
ClientSampleId :
PB164561TB

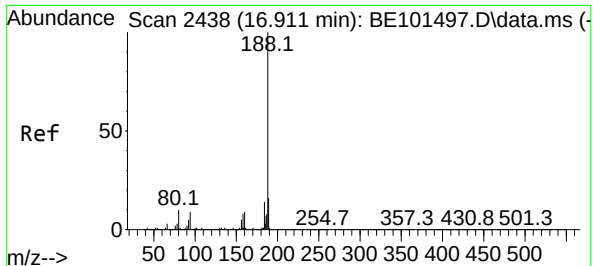
Tgt Ion:330 Resp: 389579
Ion Ratio Lower Upper
330 100
332 97.2 77.7 116.5
141 21.3 17.0 25.4



#45
2-Fluorobiphenyl
Concen: 100.960 ng
RT: 12.794 min Scan# 1737
Delta R.T. -0.004 min
Lab File: BE101505.D
Acq: 6 Nov 2024 21:04

Tgt Ion:172 Resp: 908654
Ion Ratio Lower Upper
172 100
171 35.0 28.6 43.0
170 23.5 18.9 28.3

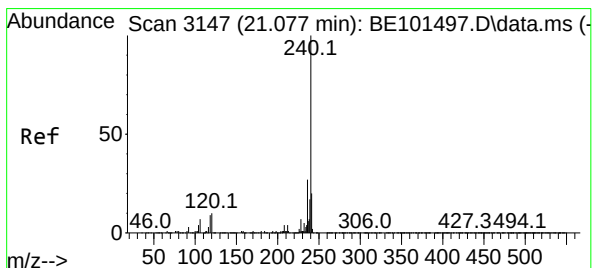
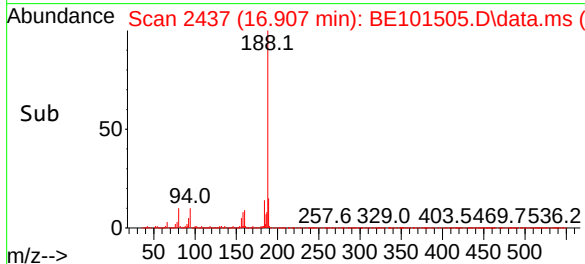
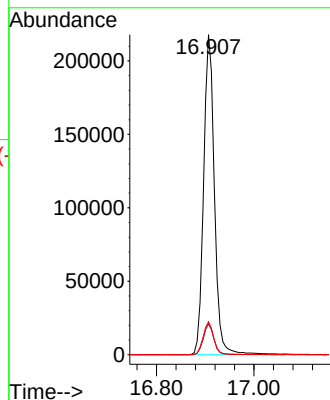
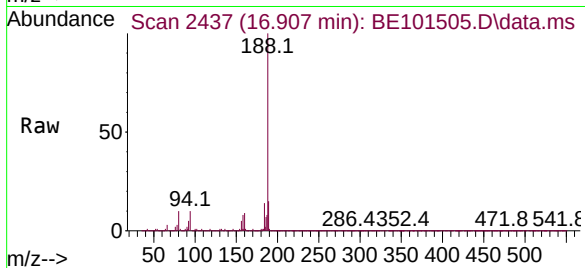




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.907 min Scan# 2437
Delta R.T. -0.004 min
Lab File: BE101505.D
Acq: 6 Nov 2024 21:04

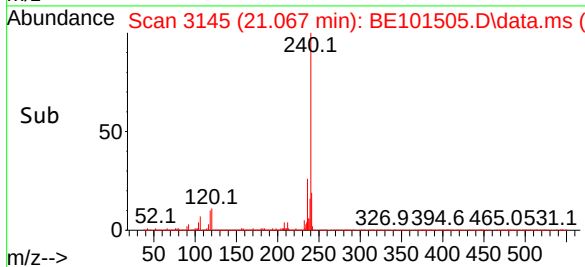
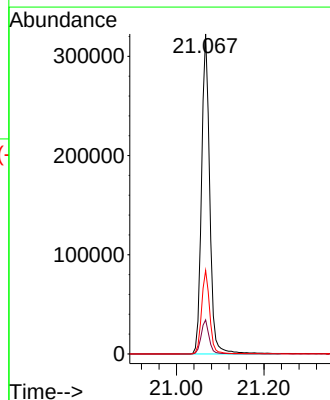
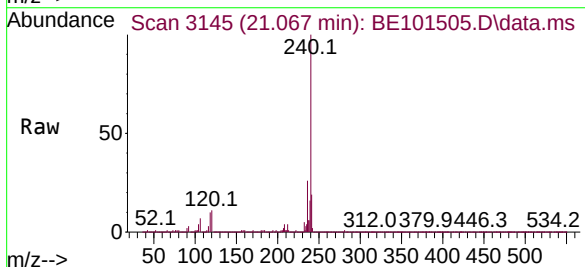
Instrument :
BNA_E
ClientSampleId :
PB164561TB

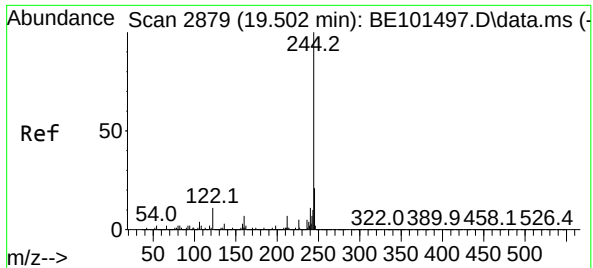
Tgt Ion:188 Resp: 335497
Ion Ratio Lower Upper
188 100
94 9.7 7.4 11.2
80 10.3 8.0 12.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.067 min Scan# 3145
Delta R.T. -0.010 min
Lab File: BE101505.D
Acq: 6 Nov 2024 21:04

Tgt Ion:240 Resp: 420702
Ion Ratio Lower Upper
240 100
120 10.6 8.2 12.4
236 26.1 21.4 32.2

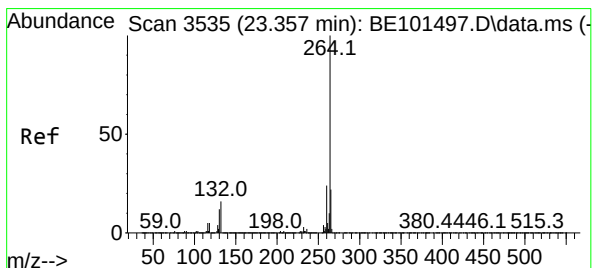
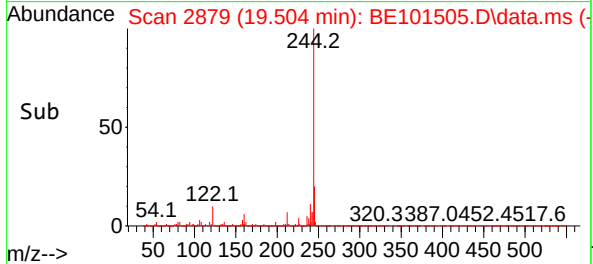
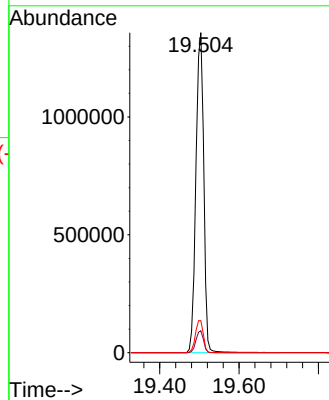
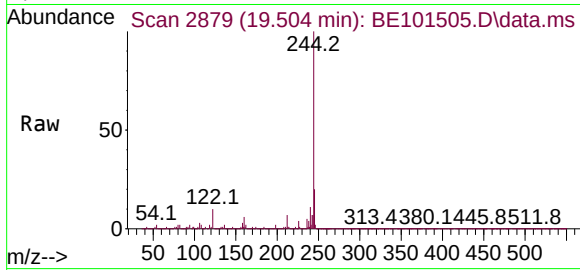




#79
Terphenyl-d14
Concen: 97.616 ng
RT: 19.504 min Scan# 21
Delta R.T. 0.001 min
Lab File: BE101505.D
Acq: 6 Nov 2024 21:04

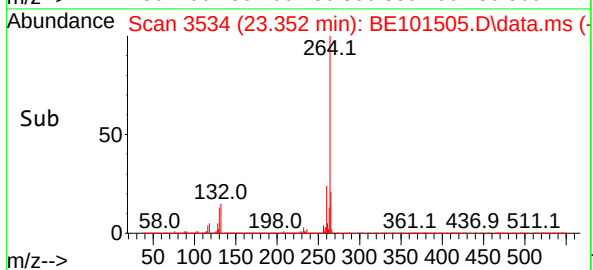
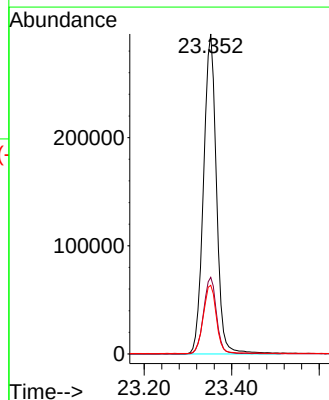
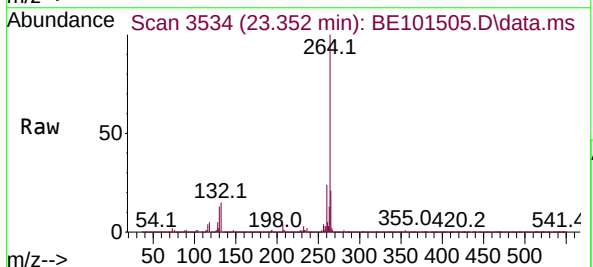
Instrument :
BNA_E
ClientSampleId :
PB164561TB

Tgt Ion:244 Resp: 1855262
Ion Ratio Lower Upper
244 100
212 6.8 5.8 8.8
122 10.0 8.4 12.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.352 min Scan# 3534
Delta R.T. -0.004 min
Lab File: BE101505.D
Acq: 6 Nov 2024 21:04

Tgt Ion:264 Resp: 609595
Ion Ratio Lower Upper
264 100
260 24.0 19.4 29.2
265 21.5 17.4 26.2





CALIBRATION SUMMARY



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: ENTA05
 Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG No.: P4660
 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
Pyridine		1.064	1.123	1.255	1.196	1.252	1.204	6.8
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
1,4-Dichlorobenzene		1.624	1.534	1.546	1.505	1.447	1.507	4.7
2-Methylphenol		1.038	1.078	1.142	1.217	1.181	1.162	7.0
3+4-Methylphenols		1.364	1.500	1.580	1.685	1.646	1.604	8.5
Nitrobenzene-d5		0.292	0.306	0.325	0.336	0.323	0.318	4.8
Hexachloroethane		0.497	0.486	0.492	0.497	0.495	0.492	1.3
Nitrobenzene		0.315	0.325	0.349	0.355	0.339	0.339	4.3
Hexachlorobutadiene		0.193	0.185	0.187	0.187	0.179	0.184	3.3
2,4,6-Trichlorophenol		0.310	0.325	0.352	0.369	0.353	0.346	6.0
2-Fluorobiphenyl		1.359	1.275	1.283	1.226	1.114	1.181	12.4
2,4,5-Trichlorophenol		0.356	0.372	0.401	0.415	0.402	0.396	5.9
2,4-Dinitrotoluene		0.344	0.407	0.454	0.481	0.480	0.449	12.2
2,4,6-Tribromophenol		0.329	0.341	0.358	0.366	0.355	0.351	3.6
Hexachlorobenzene		0.283	0.272	0.274	0.283	0.271	0.276	2.0
Pentachlorophenol		0.116	0.137	0.159	0.173	0.172	0.159	14.9
Terphenyl-d14		1.036	1.023	0.970	0.841	0.686	0.869	19.3

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

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 =BE101396.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)	Butylbenzylphth...	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	

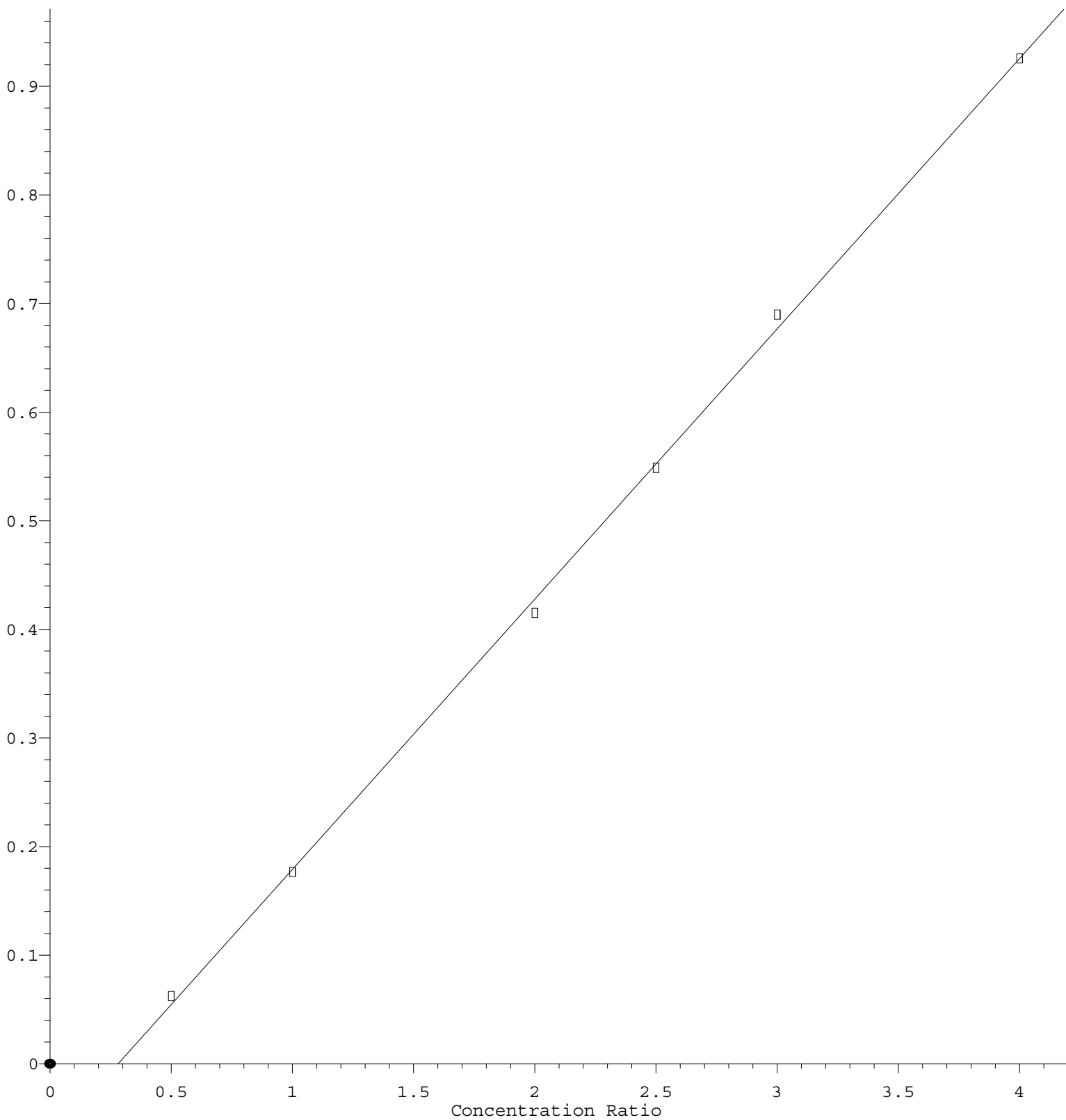
Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE102824.M

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

2,4-Dinitrophenol

Response Ratio



$$\text{Response} = 2.491\text{e-}001 * \text{Amt} - 6.995\text{e-}002$$

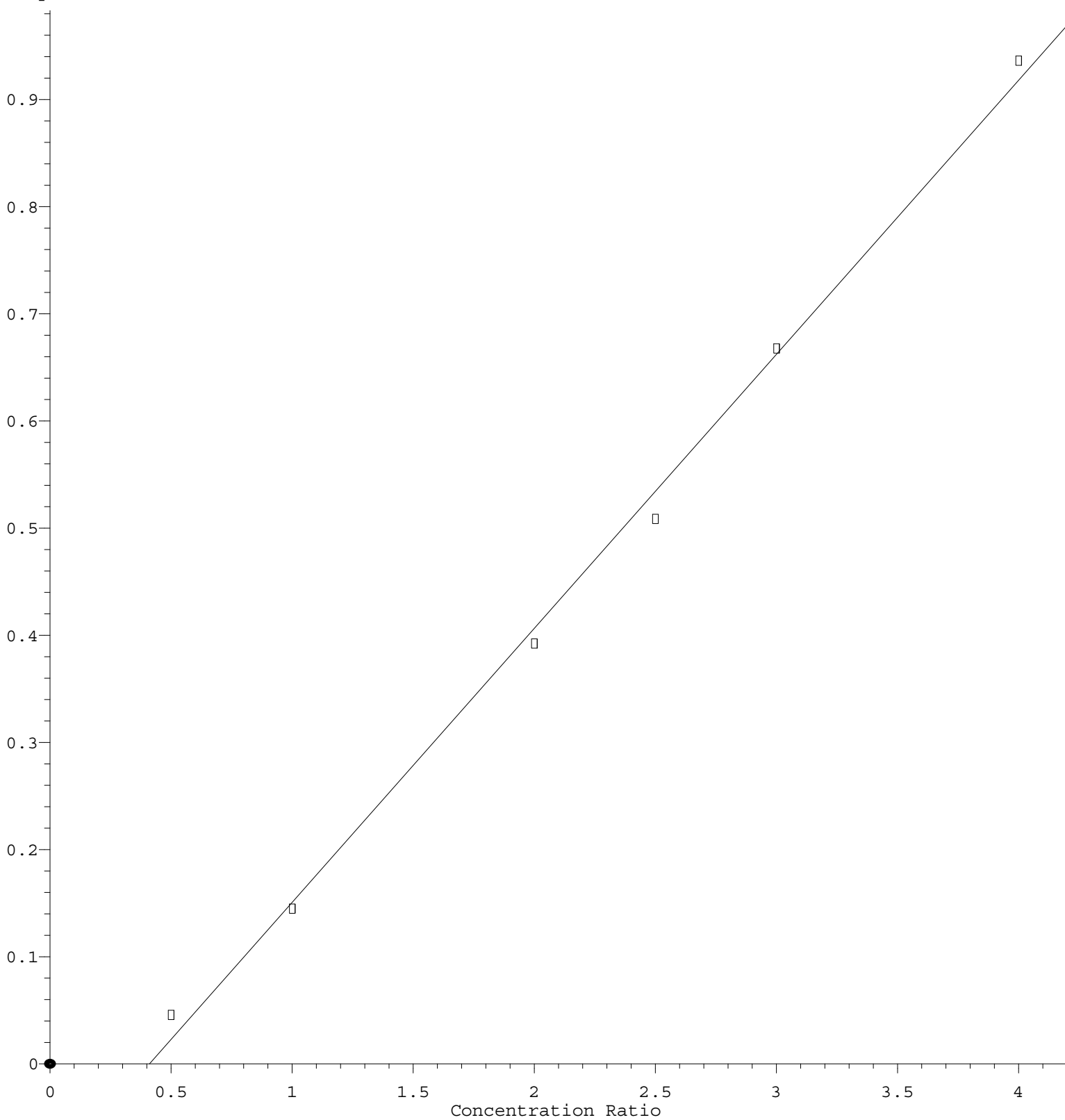
Coef of Det (r^2) = 0.999215 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA E\Methods\8270-BE102824.M

Calibration Table Last Updated: Tue Oct 29 01:26:30 2024

Benzoic acid

Response Ratio



$$\text{Response} = 2.558\text{e-}001 * \text{Amt} - 1.051\text{e-}001$$

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

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)

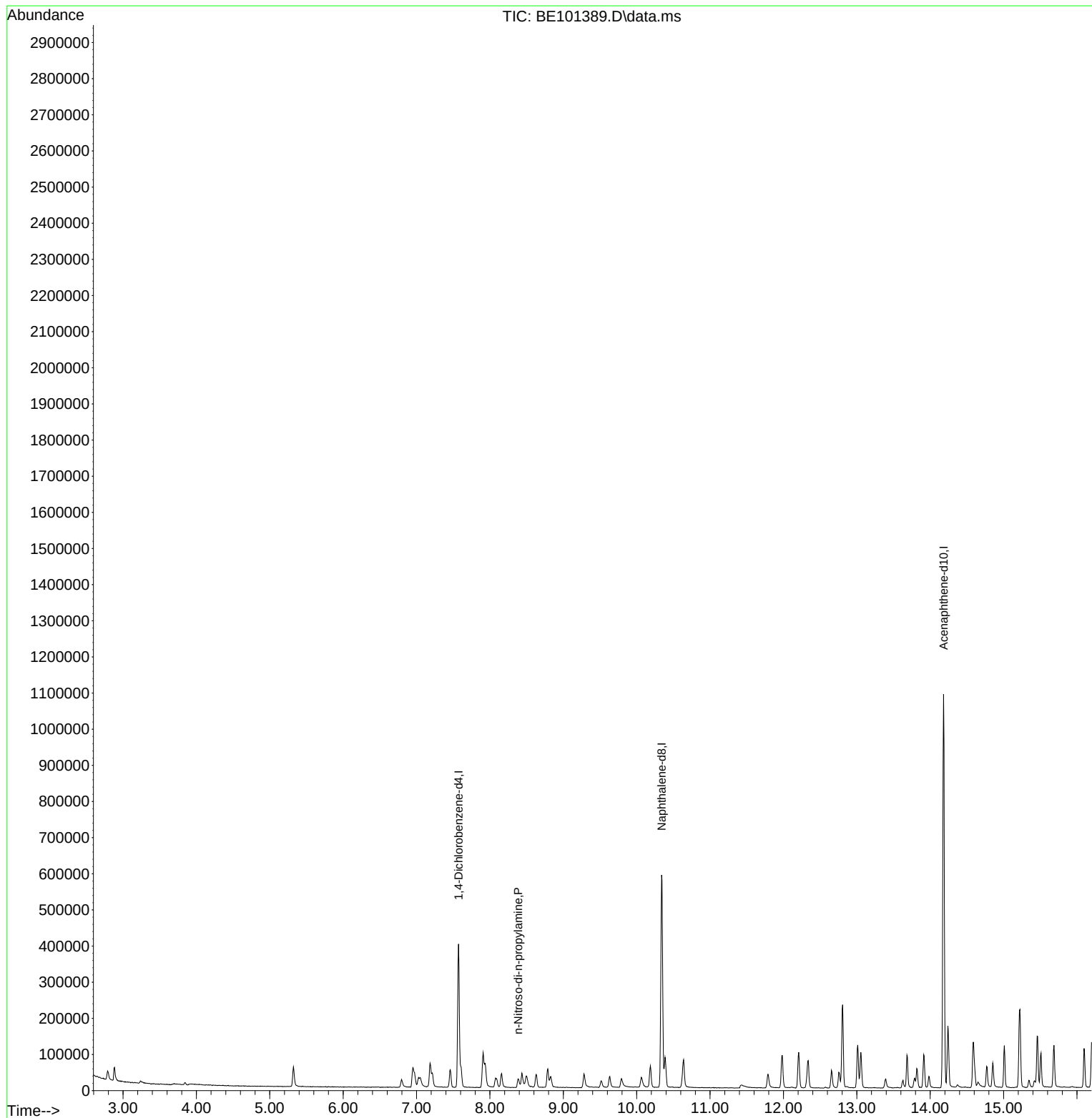
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.572	152	112211	20.000	ng	0.00
21) Naphthalene-d8	10.339	136	522612	20.000	ng	0.00
39) Acenaphthene-d10	14.182	164	379442	20.000	ng	0.00
64) Phenanthrene-d10	16.920	188	934130	20.000	ng	0.00
76) Chrysene-d12	21.079	240	1119449	20.000	ng	0.00
86) Perylene-d12	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

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

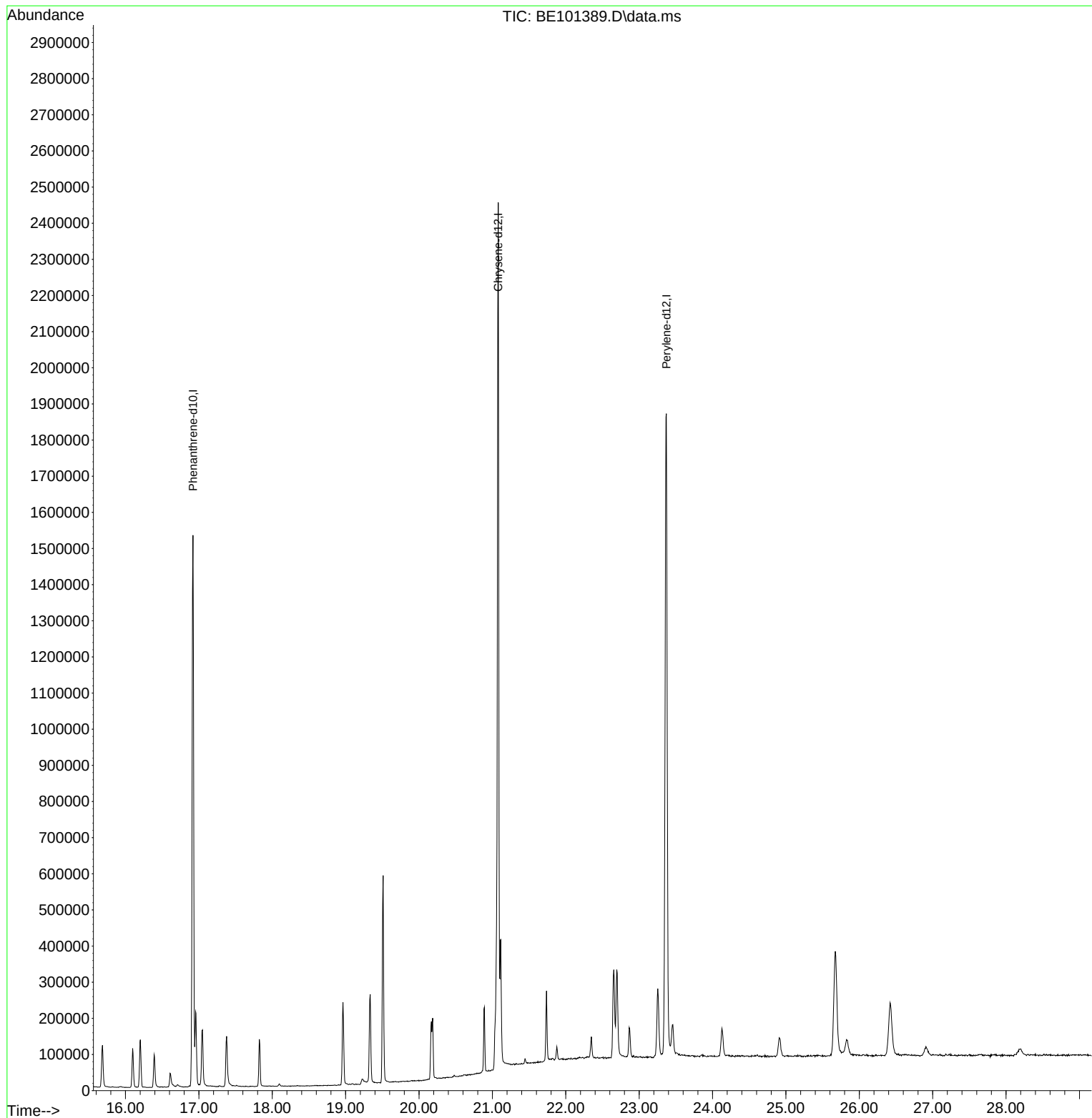
Quant Time: Oct 29 00:21:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 00:20:51 2024
Response via : Initial Calibration



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



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

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

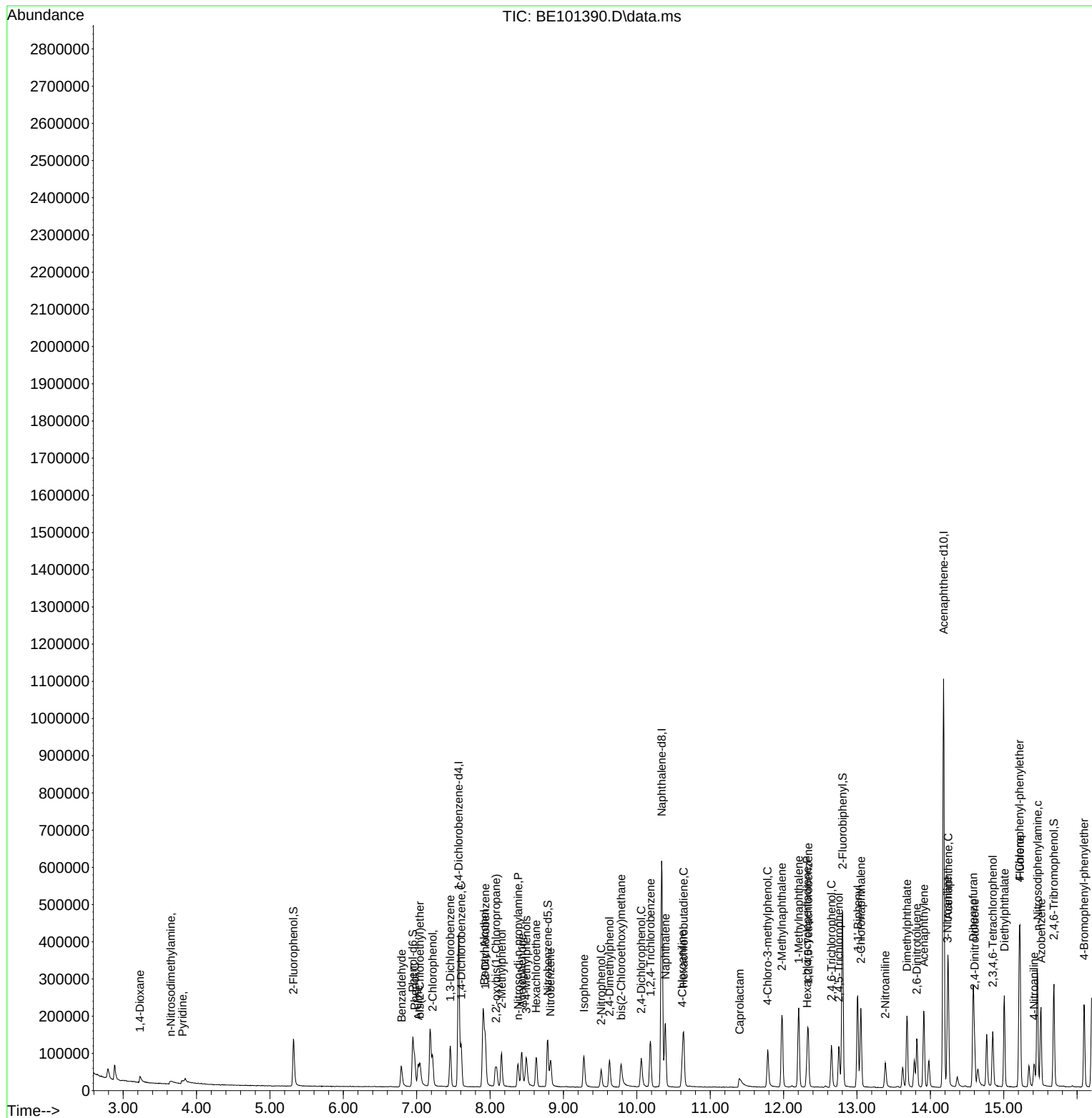
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Data File : BE101390.D
Acq On : 28 Oct 2024 12:23
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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



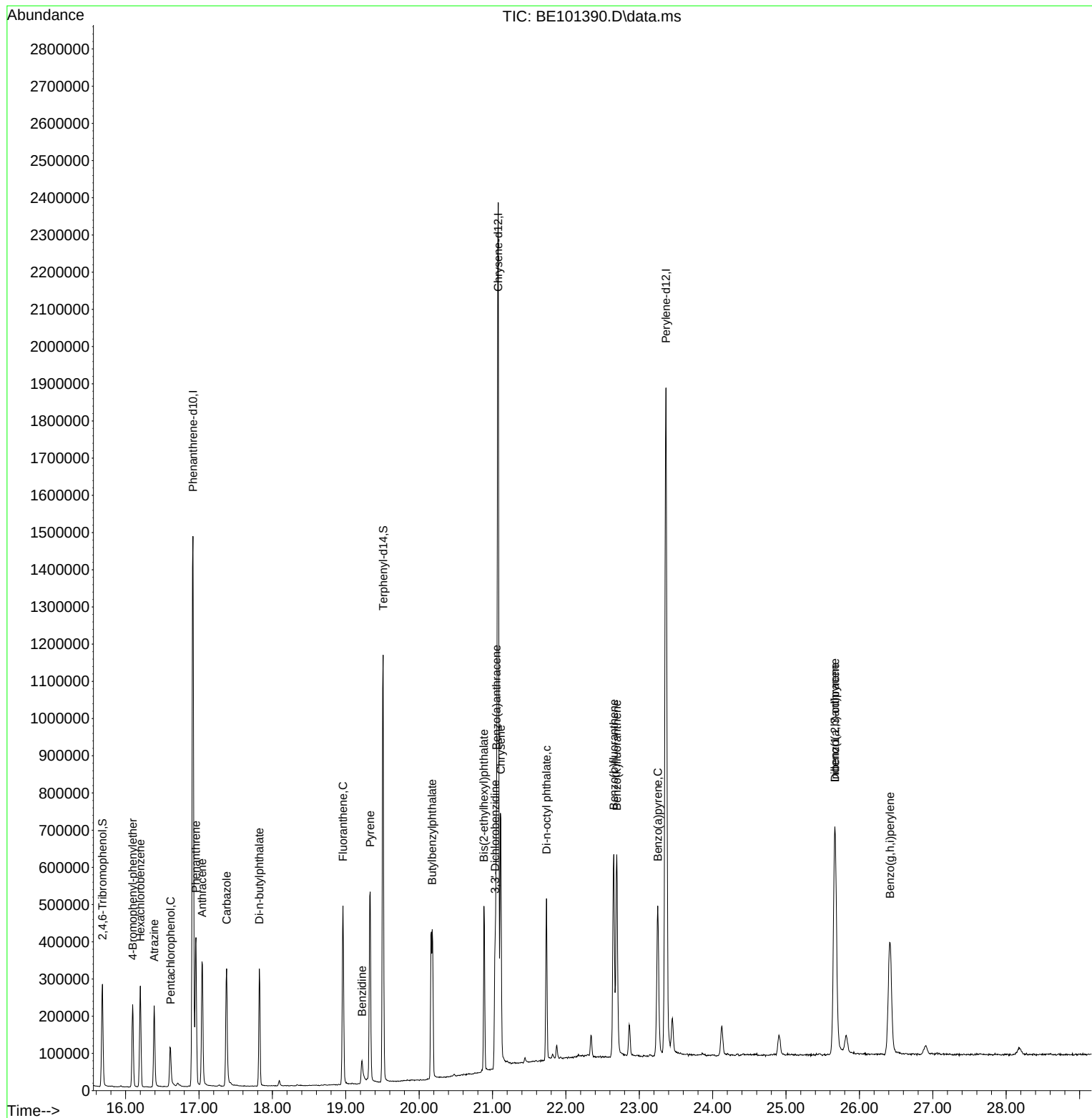
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101390.D
Acq On : 28 Oct 2024 12:23
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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



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

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

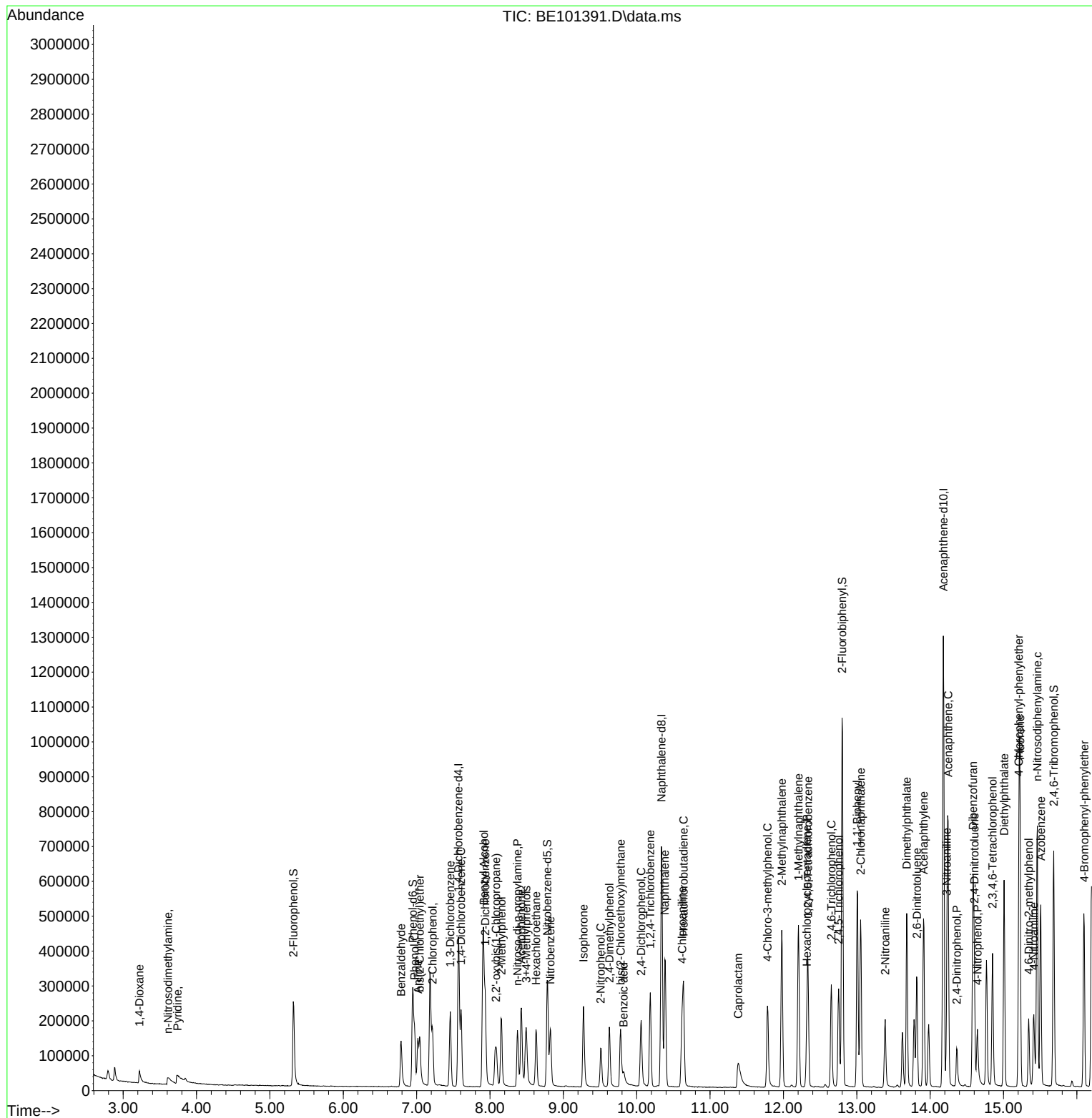
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Data File : BE101391.D
Acq On : 28 Oct 2024 12:59
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

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



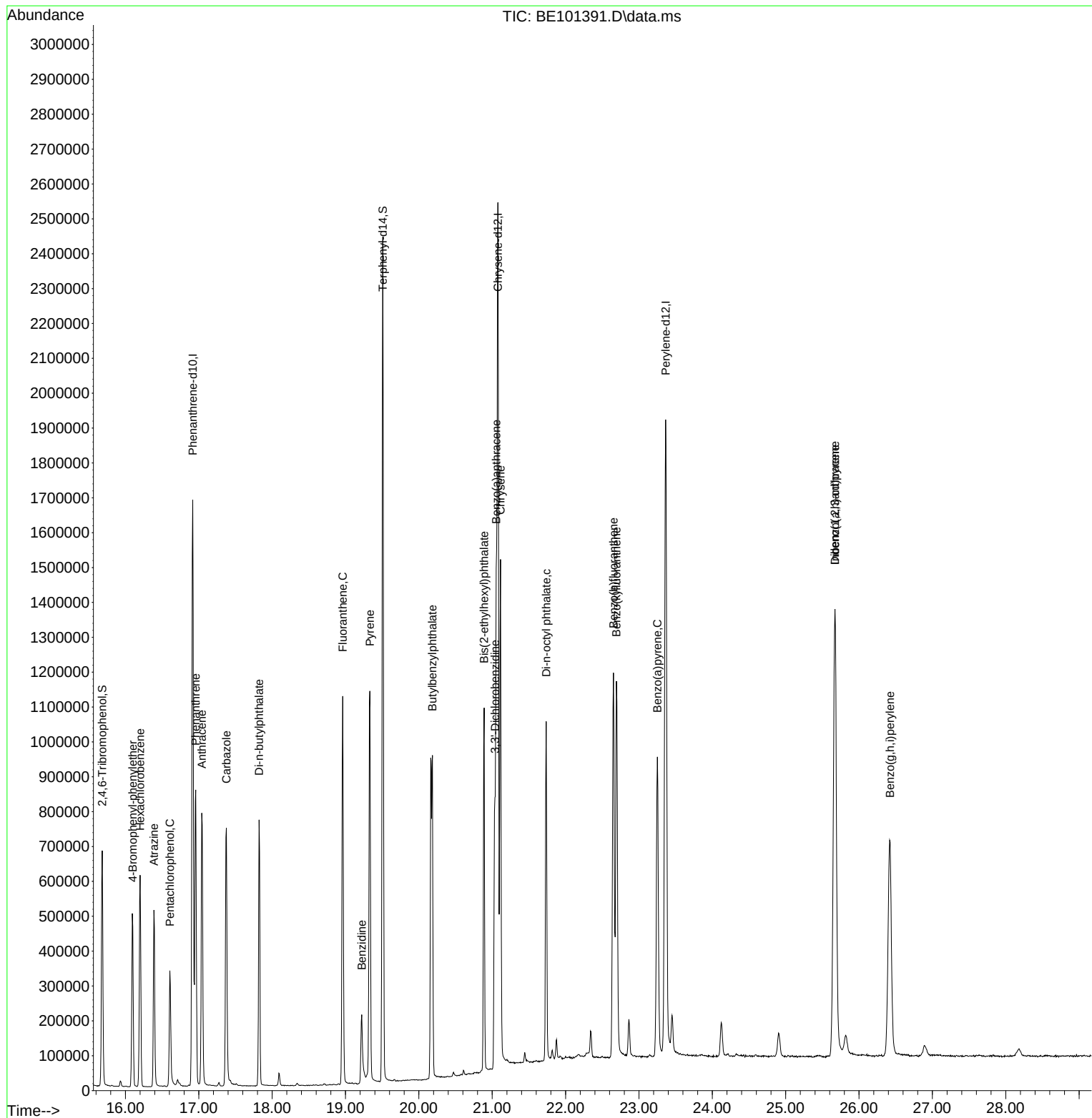
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101391.D
Acq On : 28 Oct 2024 12:59
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

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



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

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

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

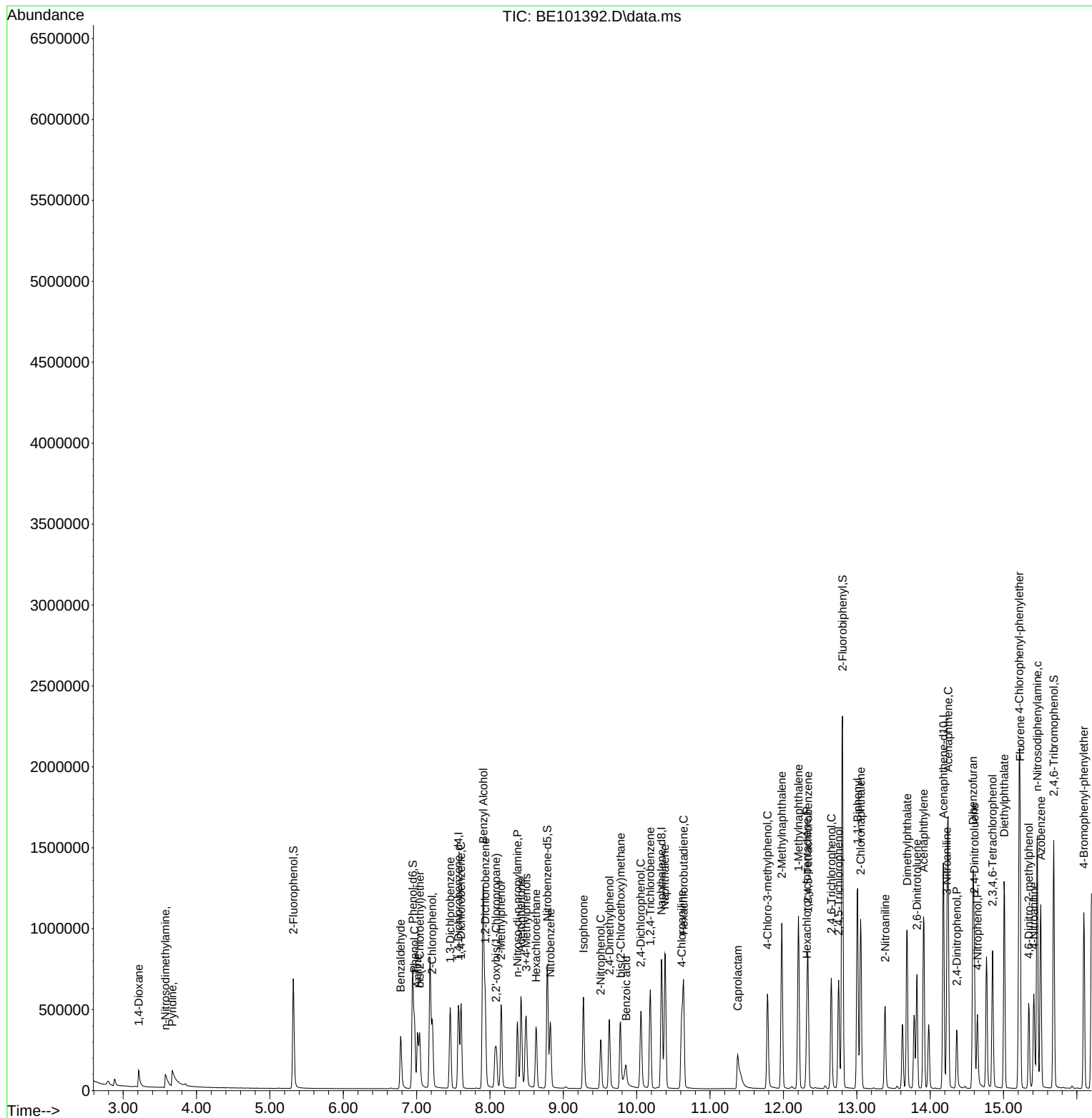
Manual Integrations

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



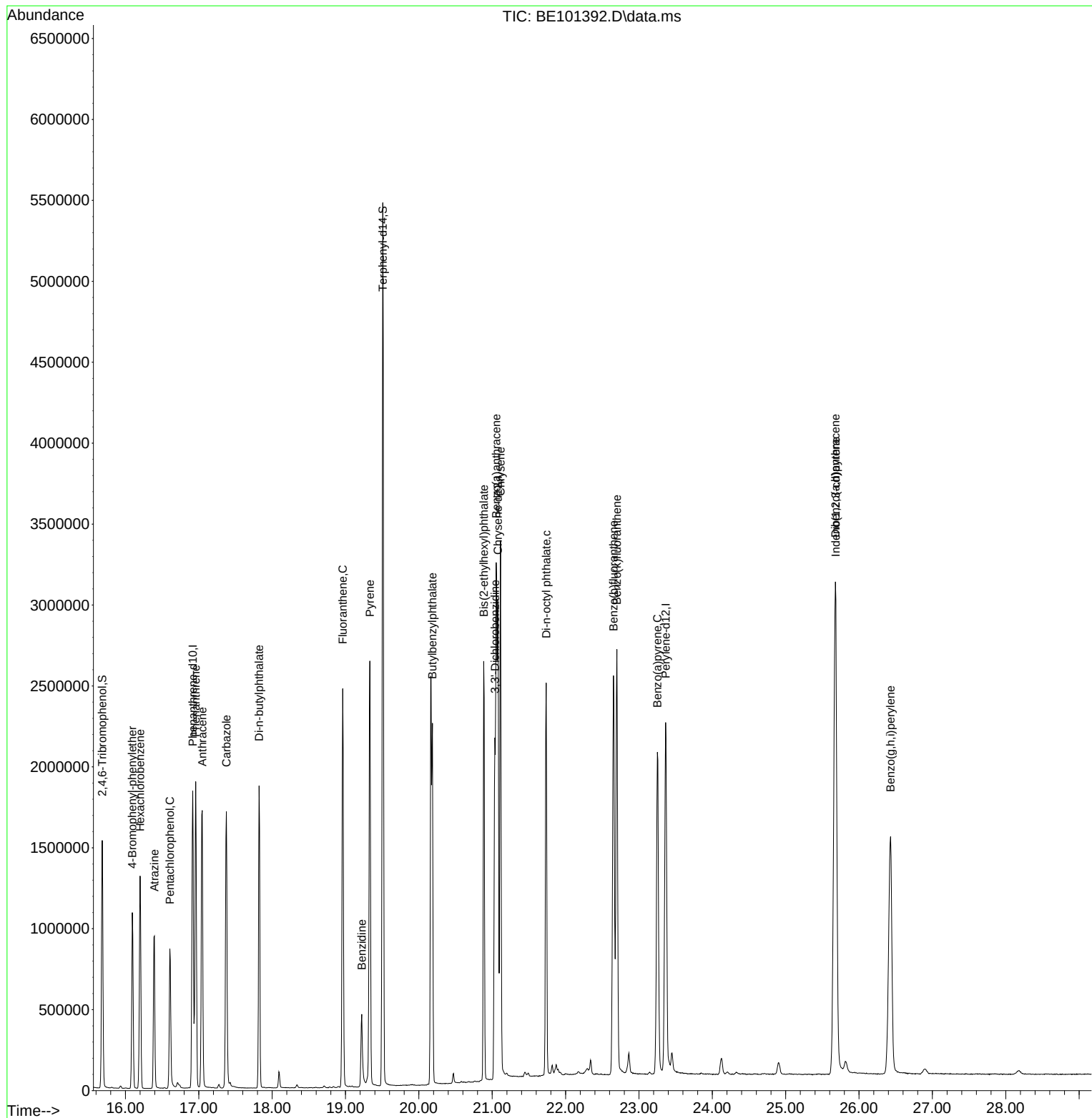
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Data File : BE101392.D
Acq On : 28 Oct 2024 13:35
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

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



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

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)
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

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

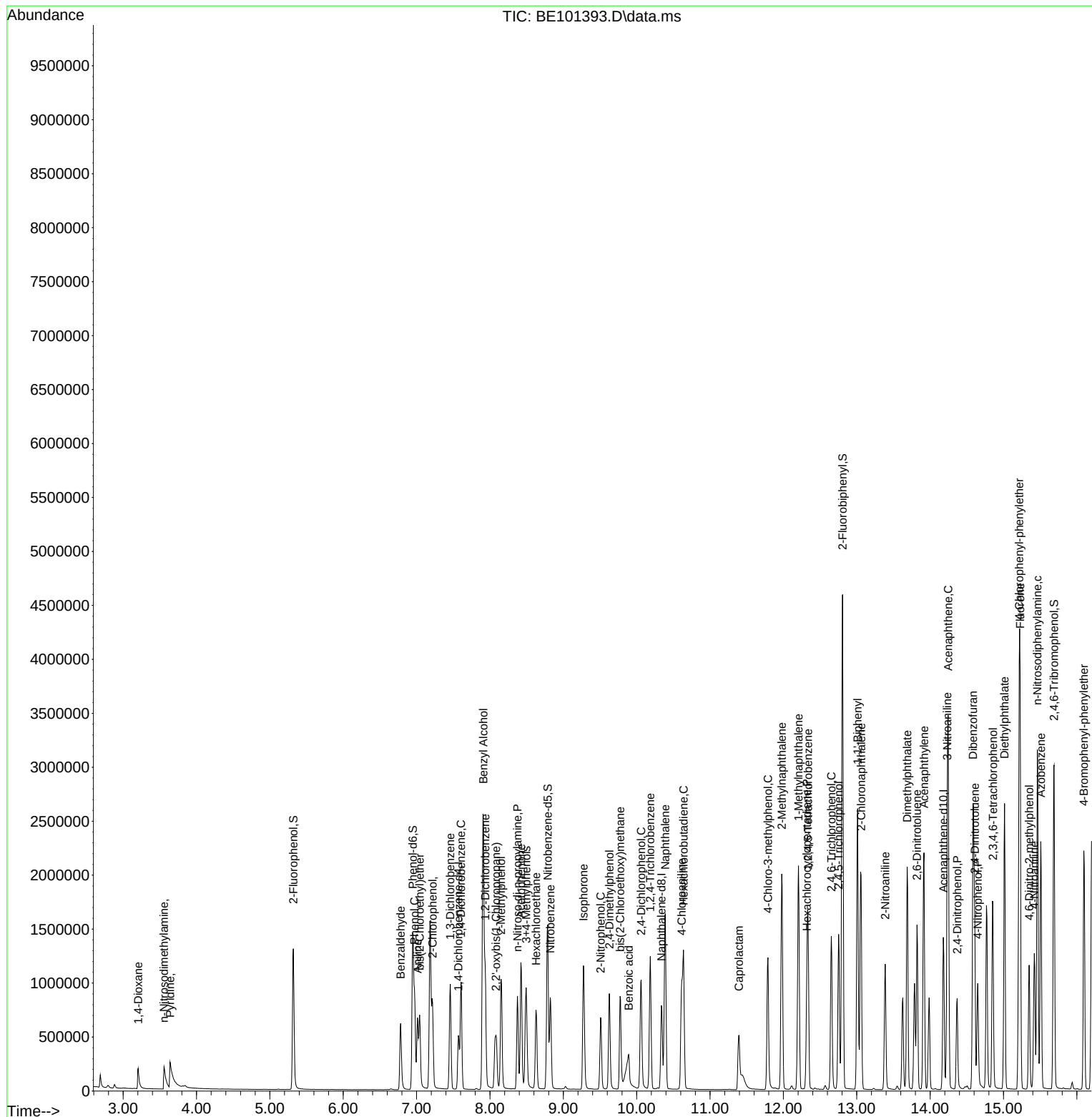
Manual Integrations

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



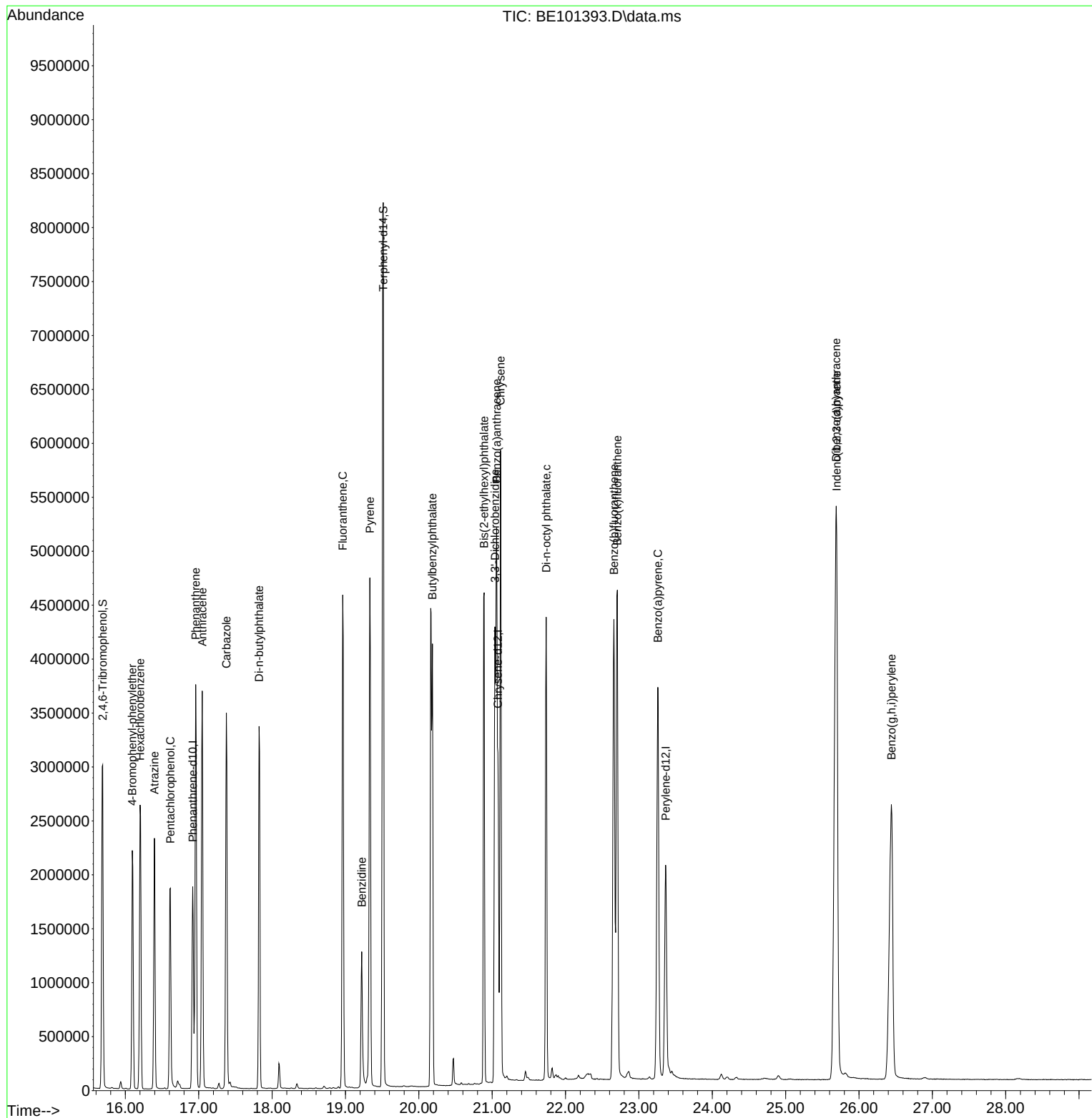
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101393.D
Acq On : 28 Oct 2024 14:11
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICCC040

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

Manual Integrations
APPROVED

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



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

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

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

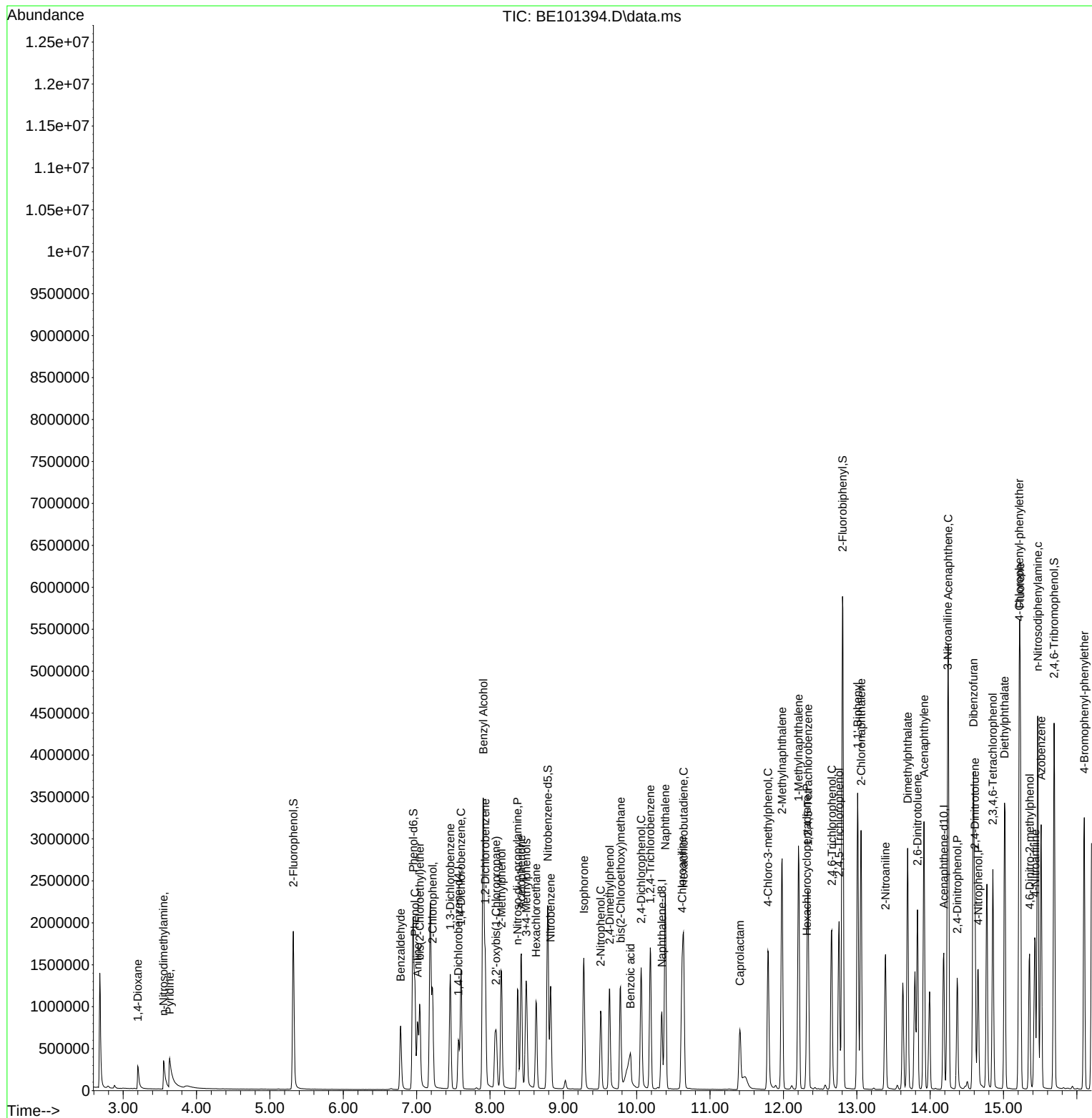
Manual Integrations

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



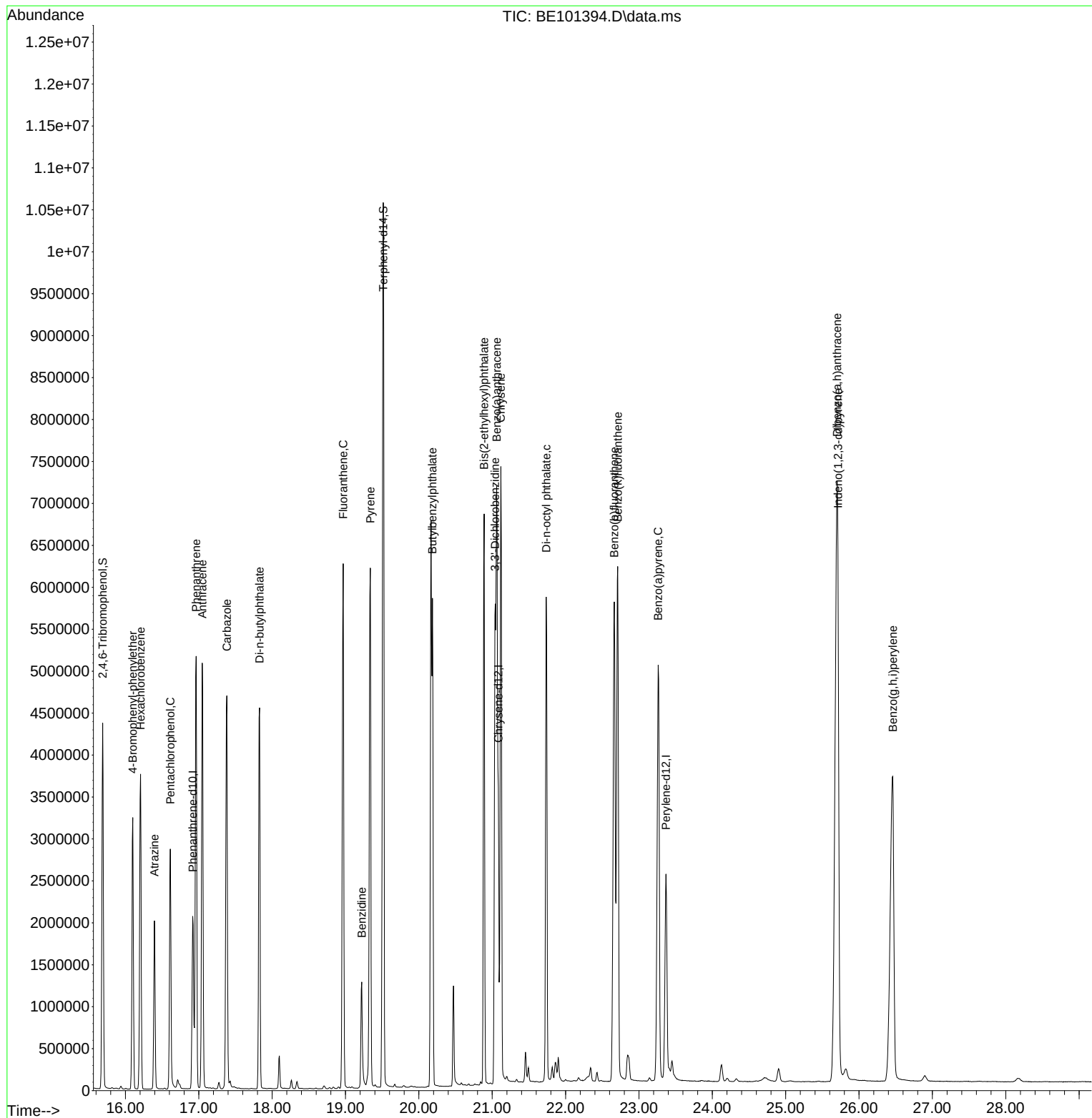
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101394.D
Acq On : 28 Oct 2024 14:49
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

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



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

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

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

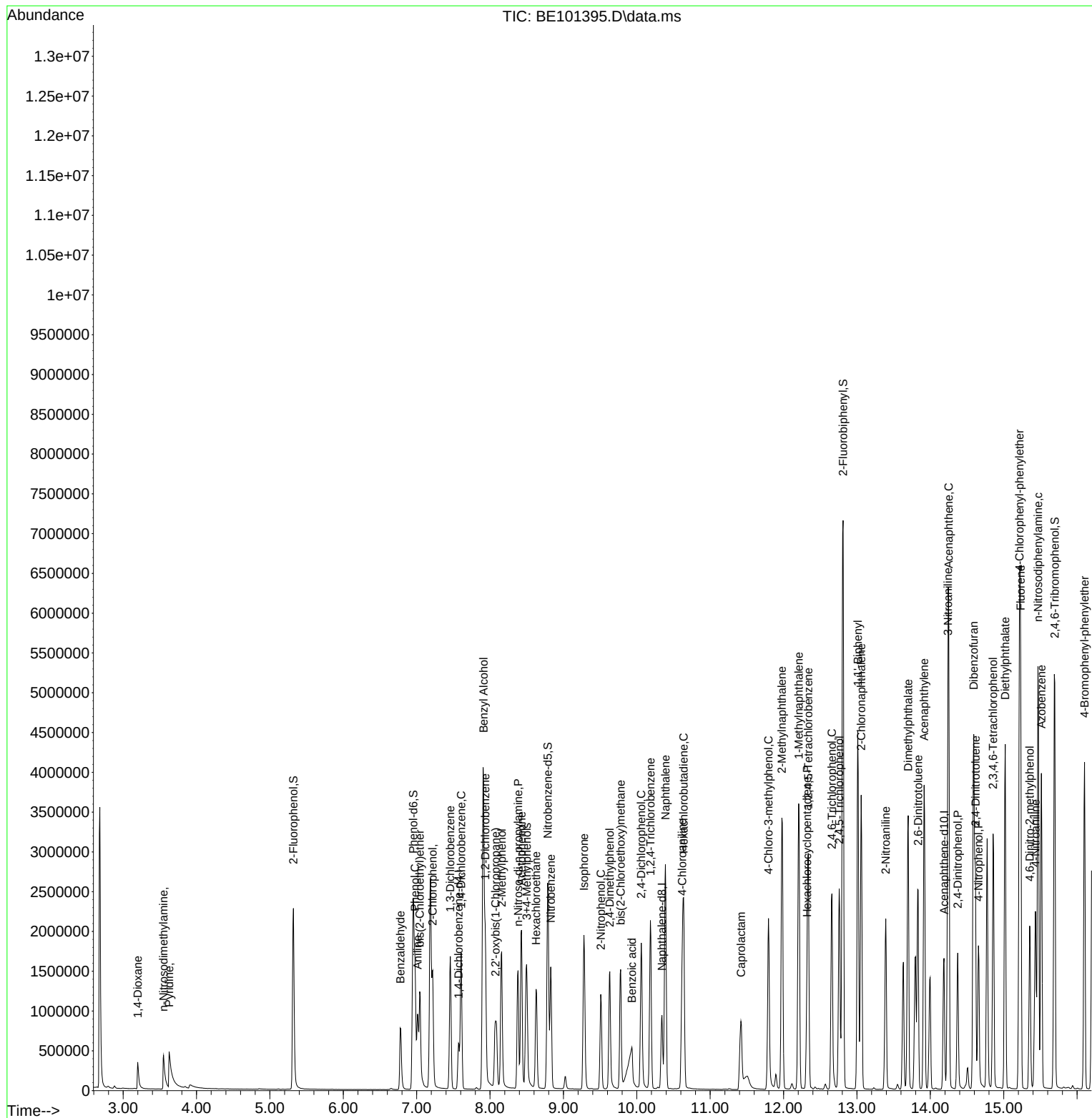
Manual Integrations

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



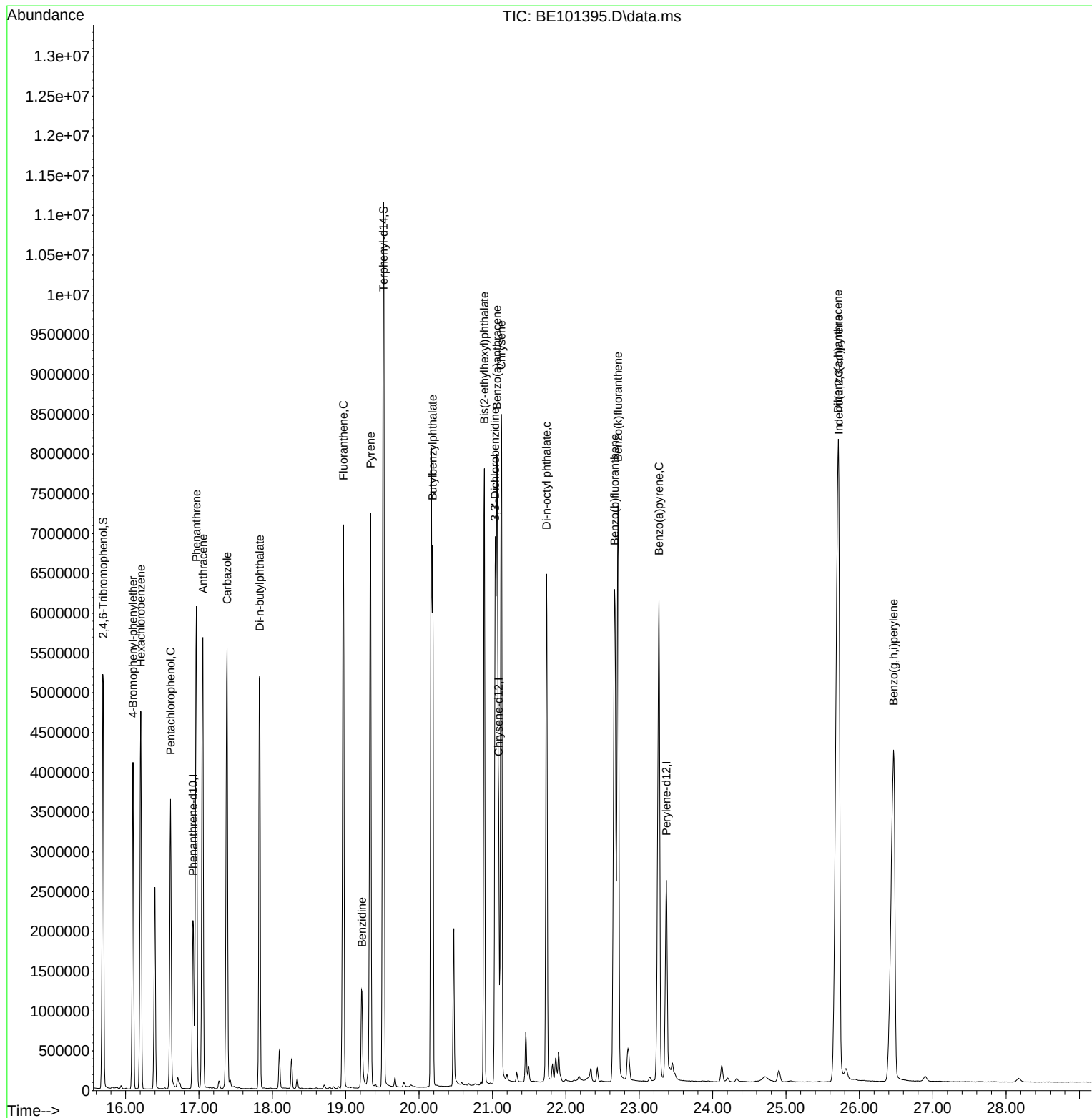
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101395.D
Acq On : 28 Oct 2024 15:25
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC060

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

Manual Integrations
APPROVED

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



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)

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

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

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

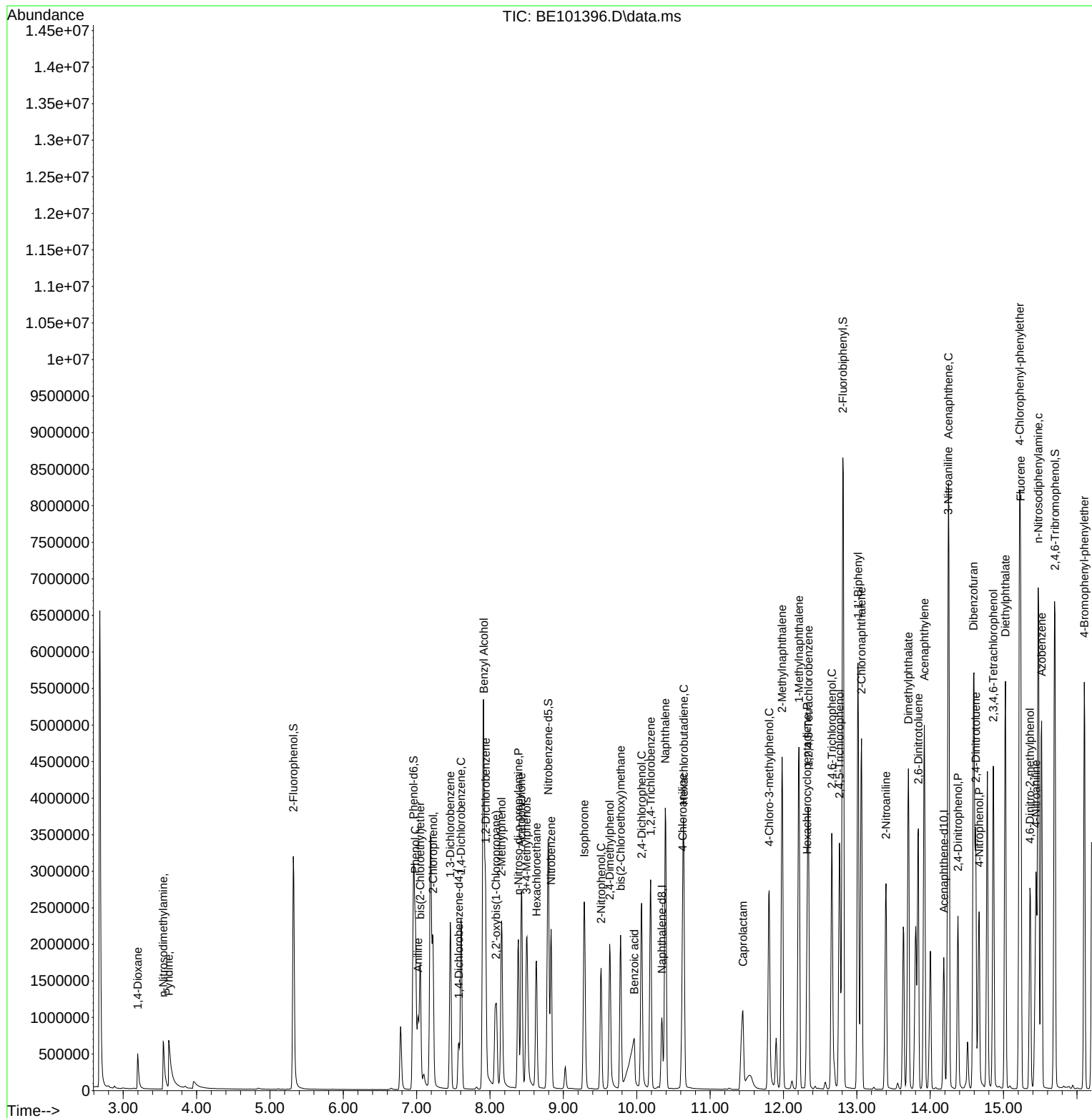
Quant Time: Oct 29 01:22:43 2024

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



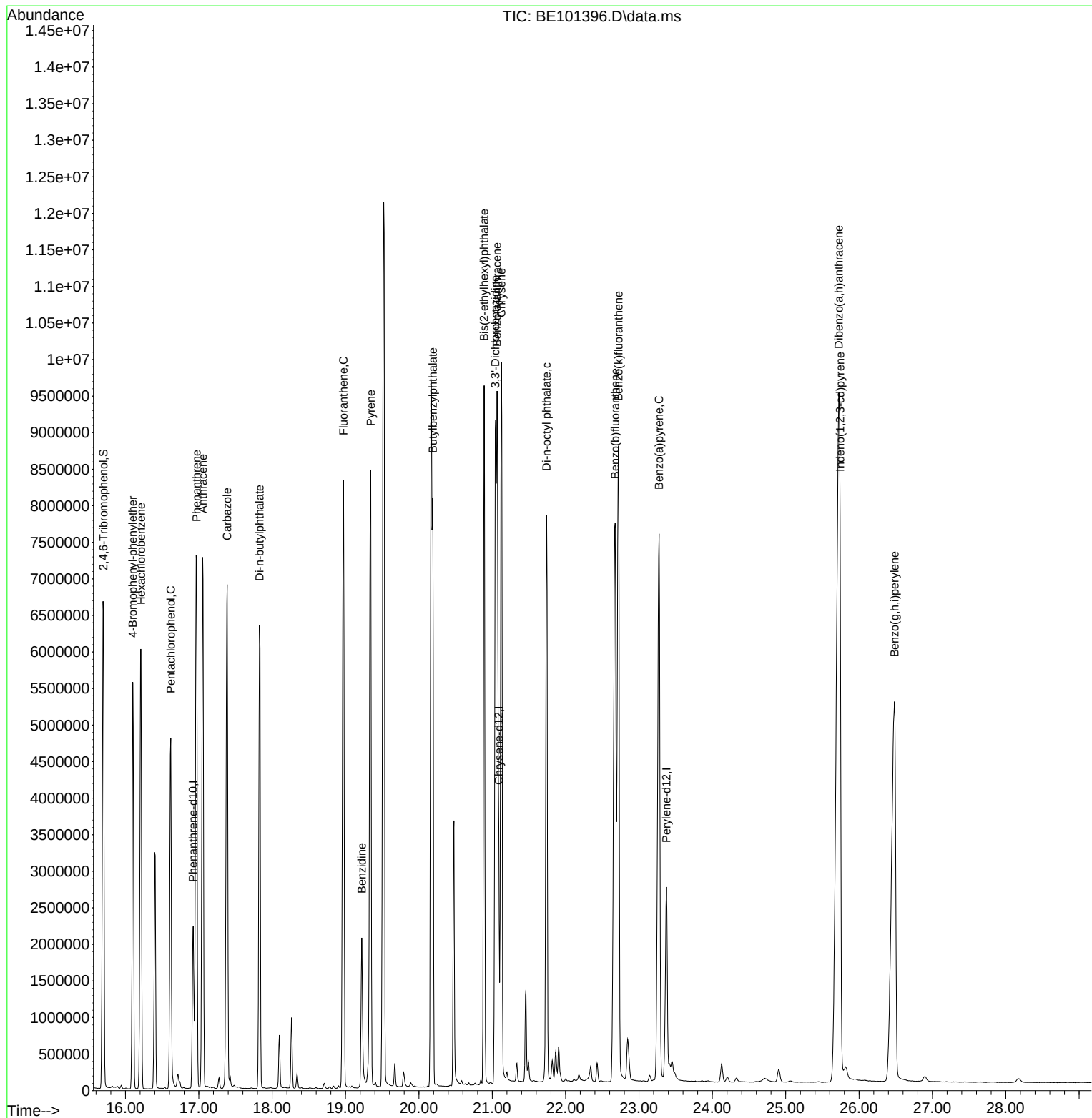
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101396.D
Acq On : 28 Oct 2024 16:01
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

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



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

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

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

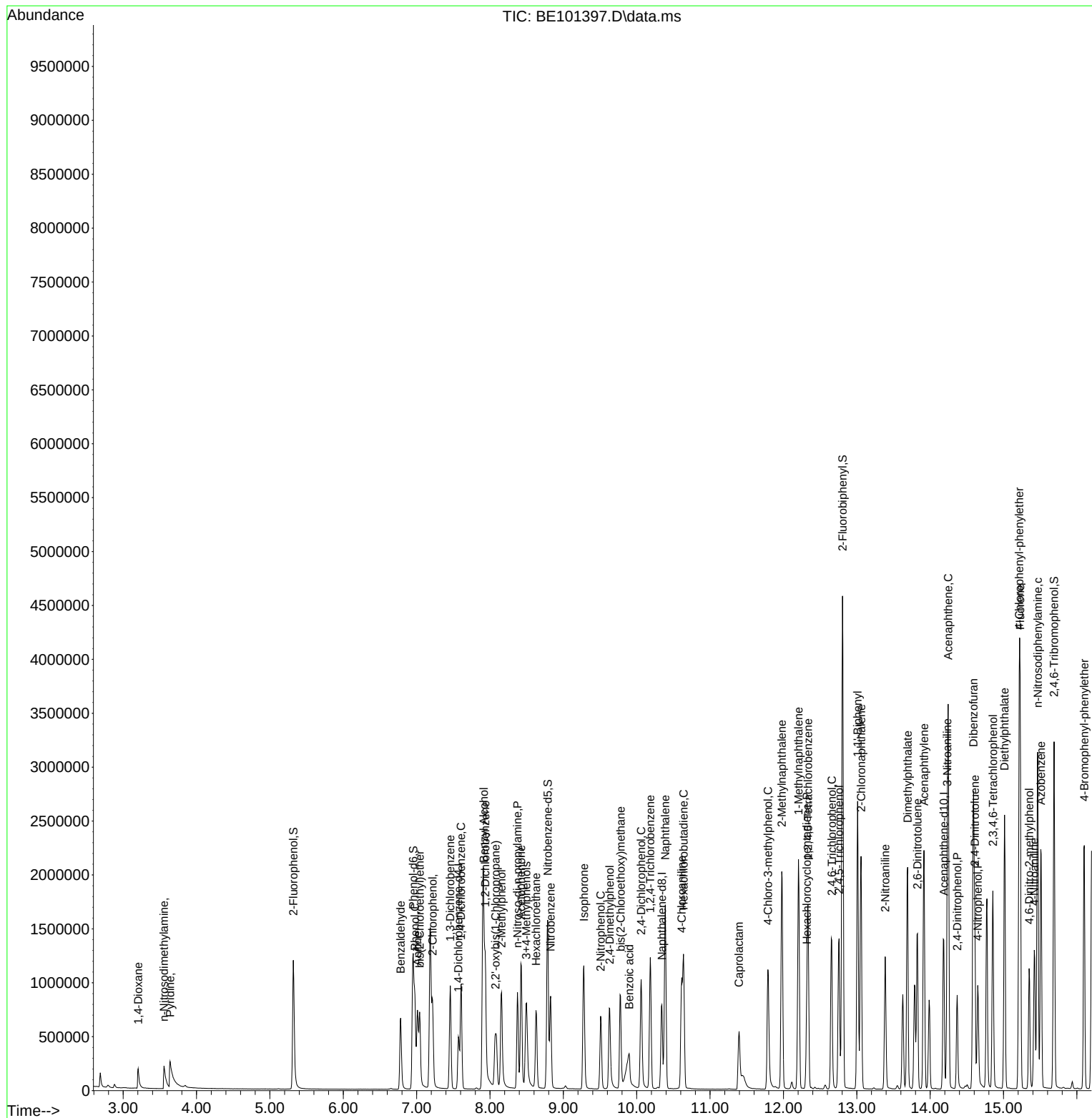
Manual Integrations

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
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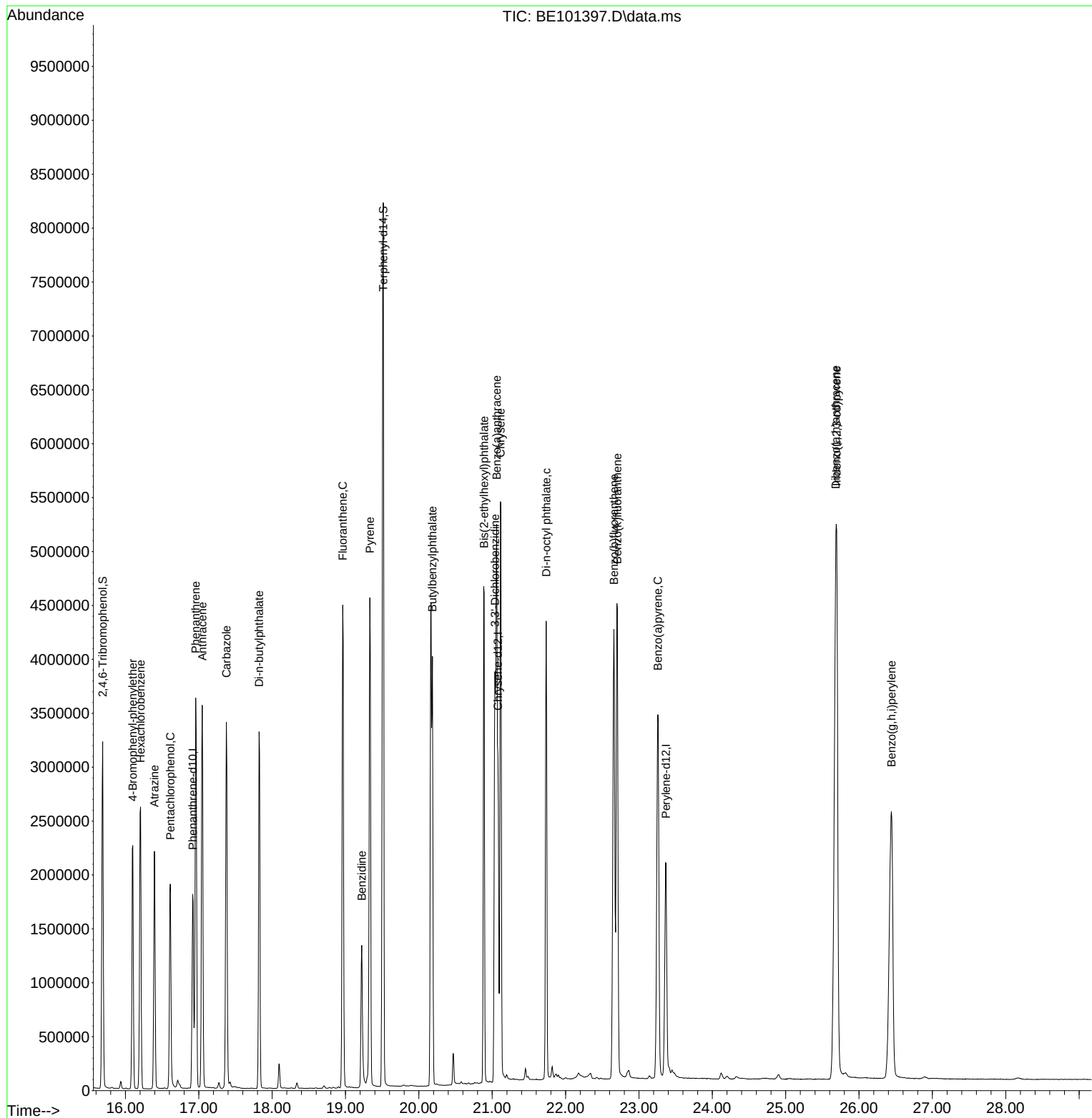
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
Data File : BE101397.D
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Manual Integrations
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Reviewed By :Yogesh Patel 10/29/2024
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 Quant Title : 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

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

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)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
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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

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102824\
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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)
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

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



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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ENTA05
 Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG No.: P4660
 Instrument ID: BNA_E Calibration Date(s): 11/06/2024 11/06/2024
 Calibration Time(s): 13:51 18:02

LAB FILE ID:		RRF2.5 = BE101493.D		RRF005 = BE101494.D		RRF010 = BE101495.D		
		RRF020 = BE101496.D		RRF040 = BE101497.D		RRF050 = BE101498.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Pyridine		1.154	1.183	1.143	1.154	1.192	1.177	2.5
2-Fluorophenol		1.161	1.135	1.120	1.101	1.114	1.131	2.0
Phenol-d6		1.494	1.525	1.558	1.540	1.571	1.551	2.5
1,4-Dichlorobenzene		1.565	1.543	1.508	1.444	1.437	1.482	3.9
2-Methylphenol		1.015	1.041	1.073	1.113	1.123	1.093	4.8
3+4-Methylphenols		1.376	1.483	1.529	1.524	1.558	1.515	4.7
Nitrobenzene-d5		0.313	0.316	0.318	0.312	0.318	0.317	1.5
Hexachloroethane		0.524	0.509	0.507	0.484	0.494	0.500	3.0
Nitrobenzene		0.325	0.329	0.330	0.324	0.329	0.329	1.4
Hexachlorobutadiene		0.209	0.198	0.202	0.192	0.195	0.198	3.0
2,4,6-Trichlorophenol		0.358	0.352	0.360	0.358	0.361	0.362	2.2
2-Fluorobiphenyl		1.353	1.295	1.299	1.204	1.160	1.225	7.5
2,4,5-Trichlorophenol		0.390	0.381	0.402	0.400	0.411	0.403	3.7
2,4-Dinitrotoluene		0.426	0.456	0.480	0.460	0.463	0.462	4.0
2,4,6-Tribromophenol		0.388	0.391	0.391	0.369	0.364	0.376	3.6
Hexachlorobenzene		0.301	0.290	0.295	0.282	0.287	0.290	2.3
Pentachlorophenol		0.129	0.139	0.155	0.162	0.167	0.158	11.4
Terphenyl-d14		1.065	1.023	1.028	0.902	0.819	0.904	15.4

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
 Method File : 8270-BE110624.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Nov 07 00:01:20 2024
 Response Via : Initial Calibration

Calibration Files

2.5 =BE101493.D 5 =BE101494.D 10 =BE101495.D 20 =BE101496.D 40 =BE101497.D 50 =BE101498.D 60 =BE101499.D 80 =BE101500.D

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

1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.495	0.458	0.438	0.406	0.378	0.394	0.378	0.421	10.54	
3)	Pyridine	1.154	1.183	1.143	1.154	1.192	1.230	1.186	1.177	2.53	
4)	n-Nitrosodimet...	0.509	0.465	0.446	0.445	0.461	0.473	0.464	0.466	4.58	
5) S	2-Fluorophenol	1.161	1.135	1.120	1.101	1.114	1.159	1.127	1.131	1.99	
6)	Aniline	1.323	1.251	1.316	1.368	1.026	1.044	0.819	1.164	17.52	
7) S	Phenol-d6	1.494	1.525	1.558	1.540	1.571	1.617	1.551	1.551	2.49	
8)	2-Chlorophenol	1.339	1.343	1.359	1.316	1.336	1.364	1.324	1.340	1.30	
9)	Benzaldehyde	0.902	0.930	0.875	0.767	0.654	0.640	0.542	0.759	19.80	
10) C	Phenol	1.646	1.682	1.702	1.664	1.709	1.764	1.649	1.688	2.45	
11)	bis(2-Chloroet...	1.362	1.474	1.392	1.165	1.446	1.447	1.497	1.397	8.03	
12)	1,3-Dichlorobe...	1.573	1.526	1.491	1.424	1.410	1.437	1.379	1.463	4.74	
13) C	1,4-Dichlorobe...	1.565	1.543	1.508	1.444	1.437	1.464	1.412	1.482	3.89	
14)	1,2-Dichlorobe...	1.559	1.496	1.481	1.418	1.416	1.435	1.378	1.455	4.20	
15)	Benzyl Alcohol	0.791	0.861	0.910	0.919	0.958	0.977	0.926	0.906	6.94	
16)	2,2'-oxybis(1-...	1.733	1.690	1.700	1.628	1.625	1.636	1.567	1.654	3.41	
17)	2-Methylphenol	1.015	1.041	1.073	1.113	1.123	1.163	1.123	1.093	4.76	
18)	Hexachloroethane	0.524	0.509	0.507	0.484	0.494	0.501	0.483	0.500	2.95	
19) P	n-Nitroso-di-n...	0.958	0.996	1.040	1.058	1.027	1.046	1.057	0.998	1.023	3.48
20)	3+4-Methylphenols	1.376	1.483	1.529	1.524	1.558	1.606	1.530	1.515	4.74	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.462	0.460	0.461	0.443	0.447	0.455	0.443	0.453	1.91	
23) S	Nitrobenzene-d5	0.313	0.316	0.318	0.312	0.318	0.325	0.313	0.317	1.46	
24)	Nitrobenzene	0.325	0.329	0.330	0.324	0.329	0.338	0.330	0.329	1.41	
25)	Isophorone	0.599	0.619	0.632	0.611	0.618	0.630	0.605	0.616	1.98	
26) C	2-Nitrophenol	0.159	0.167	0.175	0.174	0.182	0.187	0.183	0.175	5.41	
27)	2,4-Dimethylph...	0.196	0.199	0.204	0.198	0.205	0.212	0.206	0.203	2.83	
28)	bis(2-Chloroet...	0.376	0.383	0.386	0.371	0.375	0.381	0.369	0.377	1.65	
29) C	2,4-Dichloroph...	0.275	0.279	0.289	0.283	0.294	0.302	0.294	0.288	3.35	
30)	1,2,4-Trichlor...	0.344	0.326	0.323	0.311	0.313	0.321	0.312	0.321	3.63	
31)	Naphthalene	1.071	1.033	1.027	0.983	0.983	1.003	0.968	1.010	3.58	
32)	Benzoic acid		0.112	0.137	0.166	0.191	0.202	0.202	0.168	22.18	
33)	4-Chloroaniline	0.342	0.364	0.371	0.358	0.356	0.361	0.334	0.355	3.65	
34) C	Hexachlorobuta...	0.209	0.198	0.202	0.192	0.195	0.198	0.193	0.198	2.95	
35)	Caprolactam	0.097	0.107	0.107	0.107	0.106	0.111	0.105	0.106	4.09	
36) C	4-Chloro-3-met...	0.293	0.318	0.316	0.312	0.318	0.327	0.317	0.314	3.27	
37)	2-Methylnaphth...	0.744	0.733	0.733	0.706	0.705	0.715	0.684	0.717	2.93	
38)	1-Methylnaphth...	0.752	0.738	0.734	0.696	0.697	0.711	0.679	0.715	3.72	

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
 Method File : 8270-BE110624.M

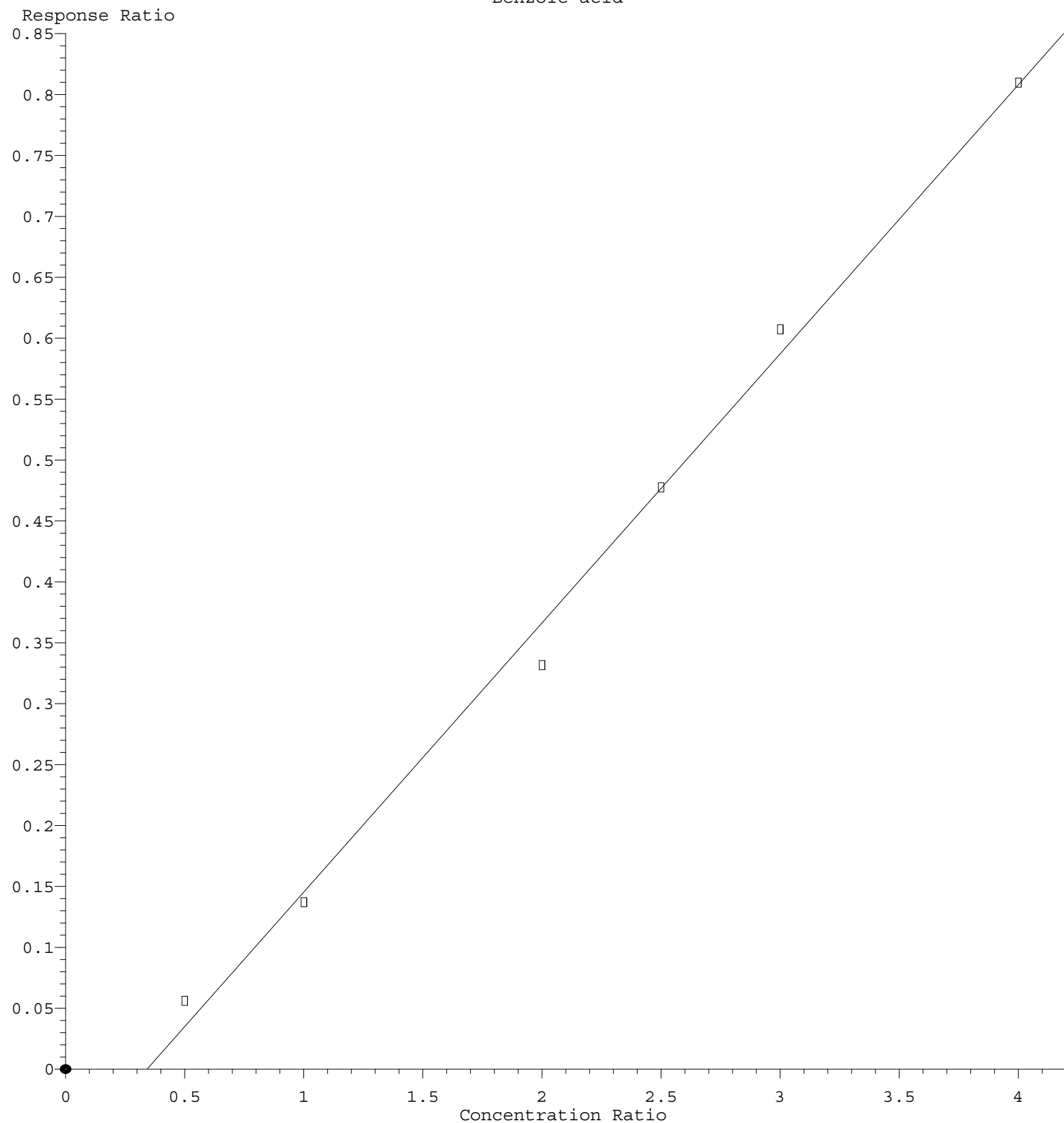
39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.546	0.518	0.535	0.513	0.519	0.535	0.525	0.527	2.24	
41) P	Hexachlorocycl...	0.106	0.128	0.153	0.167	0.175	0.178	0.171	0.154	17.72	
42) S	2,4,6-Tribromo...	0.388	0.391	0.391	0.369	0.364	0.375	0.357	0.376	3.64	
43) C	2,4,6-Trichlor...	0.358	0.352	0.360	0.358	0.361	0.376	0.369	0.362	2.21	
44)	2,4,5-Trichlor...	0.390	0.381	0.402	0.400	0.411	0.425	0.415	0.403	3.71	
45) S	2-Fluorobiphenyl	1.353	1.295	1.299	1.204	1.160	1.163	1.100	1.225	7.52	
46)	1,1'-Biphenyl	1.451	1.416	1.424	1.336	1.344	1.366	1.320	1.380	3.66	
47)	2-Chloronaphth...	1.124	1.104	1.115	1.060	1.065	1.091	1.060	1.088	2.49	
48)	2-Nitroaniline	0.248	0.273	0.292	0.288	0.300	0.312	0.302	0.288	7.44	
49)	Acenaphthylene	1.664	1.660	1.661	1.584	1.586	1.629	1.565	1.622	2.62	
50)	Dimethylphthalate	1.500	1.479	1.478	1.389	1.368	1.403	1.352	1.424	4.22	
51)	2,6-Dinitrotol...	0.316	0.330	0.336	0.324	0.327	0.338	0.329	0.329	2.23	
52) C	Acenaphthene	1.116	1.075	1.080	1.007	0.996	1.007	0.962	1.035	5.38	
53)	3-Nitroaniline	0.282	0.320	0.335	0.328	0.323	0.333	0.314	0.319	5.67	
54) P	2,4-Dinitrophenol		0.139	0.178	0.194	0.208	0.220	0.217	0.193	15.82	
55)	Dibenzofuran	1.799	1.736	1.724	1.615	1.591	1.629	1.568	1.666	5.20	
56) P	4-Nitrophenol	0.197	0.235	0.278	0.275	0.274	0.295	0.290	0.264	13.26	
57)	2,4-Dinitrotol...	0.426	0.456	0.480	0.460	0.463	0.482	0.466	0.462	3.99	
58)	Fluorene	1.490	1.475	1.458	1.363	1.328	1.347	1.272	1.391	6.03	
59)	2,3,4,6-Tetrac...	0.379	0.366	0.377	0.369	0.370	0.381	0.372	0.373	1.53	
60)	Diethylphthalate	1.600	1.579	1.577	1.457	1.442	1.460	1.397	1.502	5.41	
61)	4-Chlorophenyl...	0.757	0.736	0.733	0.689	0.680	0.692	0.657	0.706	5.12	
62)	4-Nitroaniline	0.285	0.334	0.359	0.349	0.355	0.366	0.359	0.344	8.07	
63)	Azobenzene	1.283	1.269	1.289	1.196	1.183	1.203	1.153	1.225	4.44	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.084	0.104	0.117	0.123	0.131	0.136	0.135	0.119	15.97	
66) c	n-Nitrosodiphe...	0.550	0.534	0.545	0.519	0.526	0.533	0.509	0.531	2.68	
67)	4-Bromophenyl-...	0.226	0.218	0.221	0.214	0.221	0.225	0.219	0.221	1.85	
68)	Hexachlorobenzene	0.301	0.290	0.295	0.282	0.287	0.294	0.283	0.290	2.33	
69)	Atrazine	0.202	0.187	0.151	0.171	0.121	0.135	0.130	0.157	19.70	
70) C	Pentachlorophenol	0.129	0.139	0.155	0.162	0.167	0.176	0.176	0.158	11.39	
71)	Phenanthrene	1.067	1.000	1.016	0.942	0.936	0.947	0.901	0.973	5.87	
72)	Anthracene	1.030	0.985	0.998	0.943	0.932	0.949	0.887	0.961	4.94	
73)	Carbazole	1.030	1.003	1.001	0.940	0.924	0.947	0.899	0.963	5.00	
74)	Di-n-butylphth...	1.312	1.269	1.261	1.170	1.128	1.121	1.068	1.190	7.68	
75) C	Fluoranthene	1.442	1.353	1.316	1.208	1.157	1.158	1.096	1.247	10.04	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.324	0.433	0.250	0.403	0.656	0.503	0.440	0.430	30.17	
78)	Pyrene	1.201	1.158	1.199	1.130	1.125	1.117	1.036	1.138	4.95	
79) S	Terphenyl-d14	1.065	1.023	1.028	0.902	0.819	0.780	0.707	0.904	15.44	
80)	Butylbenzylpht...	0.541	0.522	0.531	0.507	0.500	0.505	0.474	0.511	4.31	
81)	Benzo(a)anthra...	1.334	1.258	1.258	1.170	1.138	1.118	1.040	1.188	8.47	
82)	3,3'-Dichlorob...	0.466	0.474	0.480	0.469	0.478	0.467	0.439	0.468	2.92	
83)	Chrysene	1.261	1.215	1.207	1.116	1.074	1.050	0.979	1.129	9.06	
84)	Bis(2-ethylhex...	0.857	0.816	0.822	0.760	0.738	0.733	0.686	0.773	7.81	
85) c	Di-n-octyl pht...	1.510	1.430	1.383	1.284	1.226	1.203	1.119	1.308	10.60	

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE110624.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.480	1.394	1.411	1.347	1.342	1.357	1.290	1.374	4.40
88)	Benzo(b)fluora...	1.220	1.158	1.107	1.056	1.053	1.073	1.014	1.097	6.46
89)	Benzo(k)fluora...	1.119	1.045	1.080	0.977	0.966	0.937	0.849	0.996	9.23
90) C	Benzo(a)pyrene	1.023	0.974	0.977	0.926	0.923	0.931	0.877	0.947	5.02
91)	Dibenzo(a,h)an...	1.250	1.169	1.189	1.128	1.111	1.119	1.047	1.145	5.68
92)	Benzo(g,h,i)pe...	1.239	1.164	1.182	1.133	1.148	1.162	1.113	1.163	3.46

(#) = Out of Range

Benzoic acid



Response = $2.209 \times 10^{-1} \times \text{Amt} - 7.549 \times 10^{-2}$
 Coef of Det (r^2) = 0.994812 Curve Fit: Linear
 Method Name: Z:\svoasrv\HPCHEM1\BNA E\Methods\8270-BE110624.M
 Calibration Table Last Updated: Thu Nov 07 00:01:20 2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101493.D
Acq On : 6 Nov 2024 13:51
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 06 23:14:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:10:33 2024
Response via : Initial Calibration

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

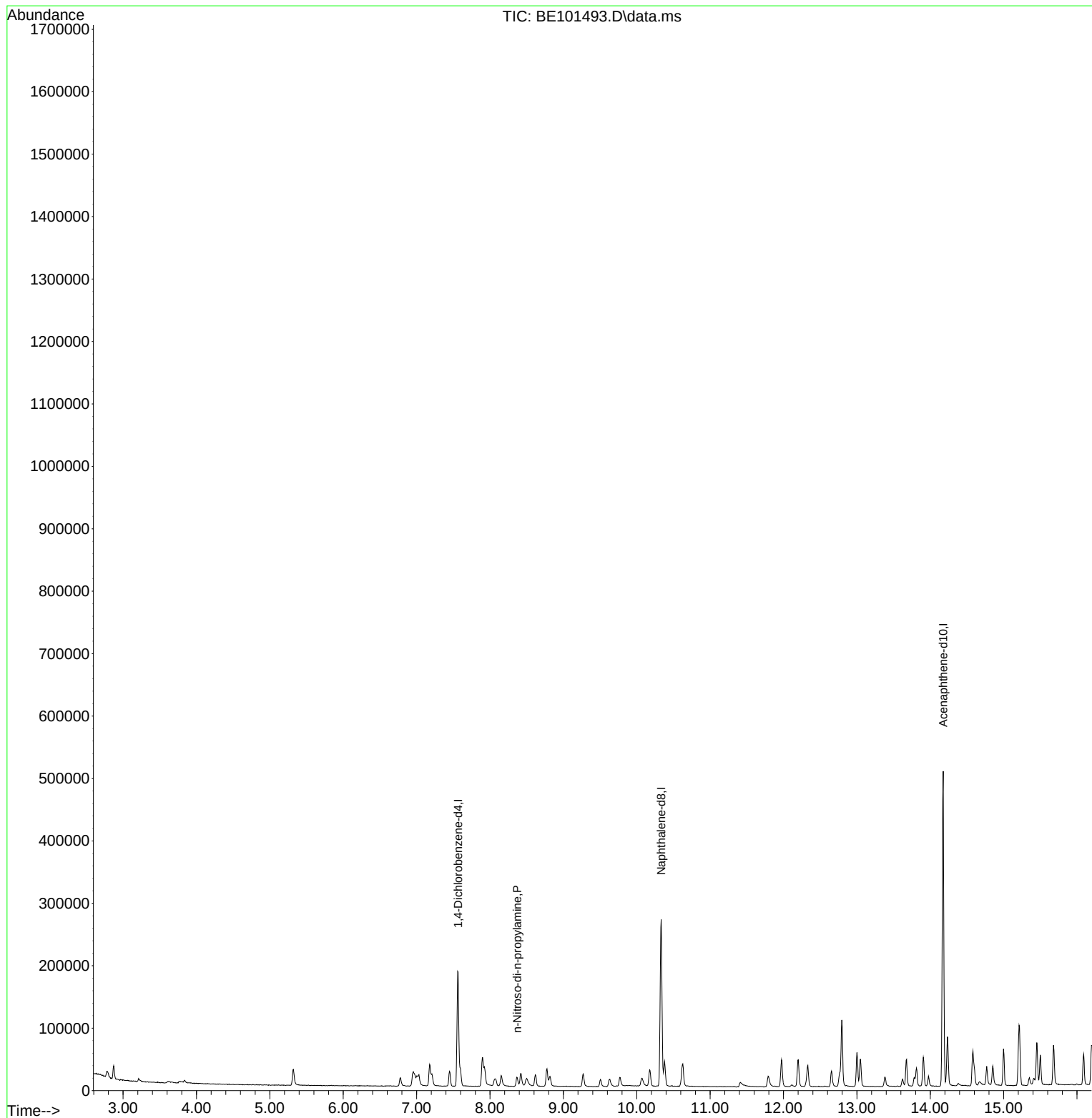
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.566	152	55140	20.000	ng	0.00
21) Naphthalene-d8	10.333	136	244662	20.000	ng	0.00
39) Acenaphthene-d10	14.176	164	174059	20.000	ng	0.00
64) Phenanthrene-d10	16.908	188	418467	20.000	ng	0.00
76) Chrysene-d12	21.074	240	553680	20.000	ng	0.00
86) Perylene-d12	23.359	264	716356	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...	8.371	70	6602	2.281	ng	97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101493.D
Acq On : 6 Nov 2024 13:51
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC2.5

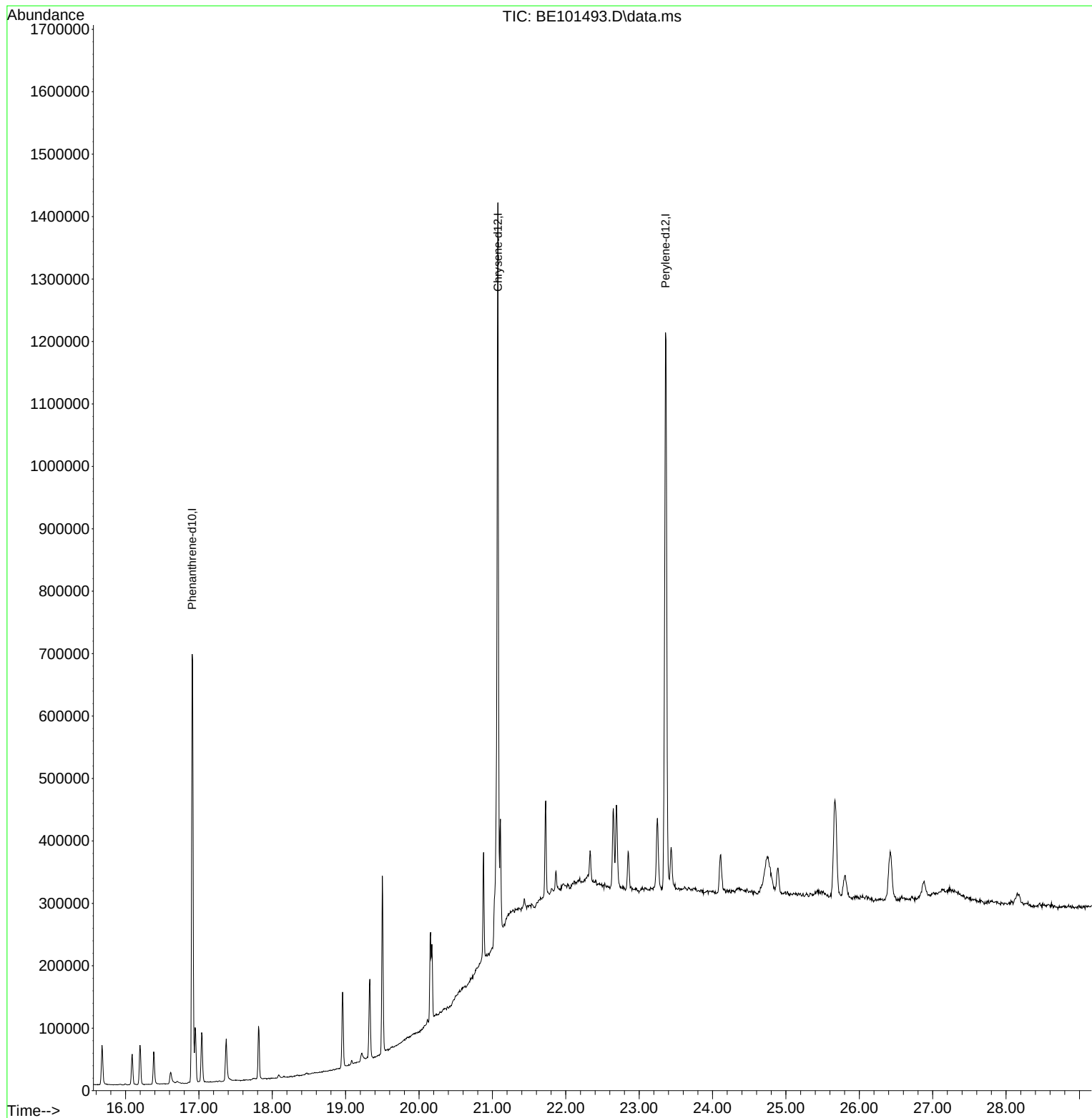
Quant Time: Nov 06 23:14:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:10:33 2024
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101493.D
Acq On : 6 Nov 2024 13:51
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 06 23:14:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:10:33 2024
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101494.D
 Acq On : 6 Nov 2024 14:27
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

SSTDICC005

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:57:56 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Nov 06 23:45:11 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.564	152	58383	20.000	ng	0.00
21) Naphthalene-d8	10.331	136	258182	20.000	ng	0.00
39) Acenaphthene-d10	14.174	164	180549	20.000	ng	0.00
64) Phenanthrene-d10	16.912	188	423331	20.000	ng	0.00
76) Chrysene-d12	21.071	240	546701	20.000	ng	0.00
86) Perylene-d12	23.357	264	699482	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.319	112	33886	10.263	ng	0.00
7) Phenol-d6	6.947	99	43601	9.631	ng	0.00
23) Nitrobenzene-d5	8.774	82	40354	9.873	ng	0.00
42) 2,4,6-Tribromophenol	15.678	330	34985	10.298	ng	0.00
45) 2-Fluorobiphenyl	12.793	172	122142	11.046	ng	0.00
79) Terphenyl-d14	19.503	244	291227	11.792	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.204	88	7228	5.882	ng	99
3) Pyridine	3.721	79	16838m	4.912	ng	
4) n-Nitrosodimethylamine	3.586	42	7426m	5.472	ng	
6) Aniline	7.006	93	19305m	5.682	ng	
8) 2-Chlorophenol	7.205	128	19545	4.996	ng	98
9) Benzaldehyde	6.776	77	13162	5.944	ng	97
10) Phenol	6.976	94	24029	4.876	ng	98
11) bis(2-Chloroethyl)ether	7.029	93	19885m	4.875	ng	
12) 1,3-Dichlorobenzene	7.452	146	22962	5.377	ng	99
13) 1,4-Dichlorobenzene	7.599	146	22839	5.280	ng	97
14) 1,2-Dichlorobenzene	7.928	146	22755	5.359	ng	99
15) Benzyl Alcohol	7.910	79	11539	4.363	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.069	45	25301	5.240	ng	98
17) 2-Methylphenol	8.151	107	14815	4.644	ng	99
18) Hexachloroethane	8.621	117	7655	5.240	ng	93
19) n-Nitroso-di-n-propyla...	8.363	70	14542	4.872	ng	98
20) 3+4-Methylphenols	8.498	107	20087	4.541	ng	95
22) Acetophenone	8.416	105	29818	5.100	ng	# 99
24) Nitrobenzene	8.815	77	20993	4.938	ng	96
25) Isophorone	9.268	82	38686	4.863	ng	100
26) 2-Nitrophenol	9.503	139	10295	4.550	ng	96
27) 2,4-Dimethylphenol	9.626	122	12624	4.822	ng	96
28) bis(2-Chloroethoxy)met...	9.767	93	24274	4.985	ng	99
29) 2,4-Dichlorophenol	10.067	162	17724	4.769	ng	100
30) 1,2,4-Trichlorobenzene	10.178	180	22223	5.357	ng	98
31) Naphthalene	10.378	128	69139	5.304	ng	99
33) 4-Chloroaniline	10.607	127	22048	4.810	ng	97
34) Hexachlorobutadiene	10.625	225	13478	5.271	ng	94
35) Caprolactam	11.389	113	6252m	4.587	ng	
36) 4-Chloro-3-methylphenol	11.788	107	18941	4.667	ng	99
37) 2-Methylnaphthalene	11.970	142	48048	5.190	ng	98
38) 1-Methylnaphthalene	12.199	142	48508	5.254	ng	98
40) 1,2,4,5-Tetrachloroben...	12.329	216	24636	5.175	ng	99
41) Hexachlorocyclopentadiene	12.305	237	4766	3.431	ng	98
43) 2,4,6-Trichlorophenol	12.652	196	16166	4.945	ng	94
44) 2,4,5-Trichlorophenol	12.758	196	17582	4.828	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101494.D
 Acq On : 6 Nov 2024 14:27
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

SSTDICC005

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:57:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 23:45:11 2024
 Response via : Initial Calibration

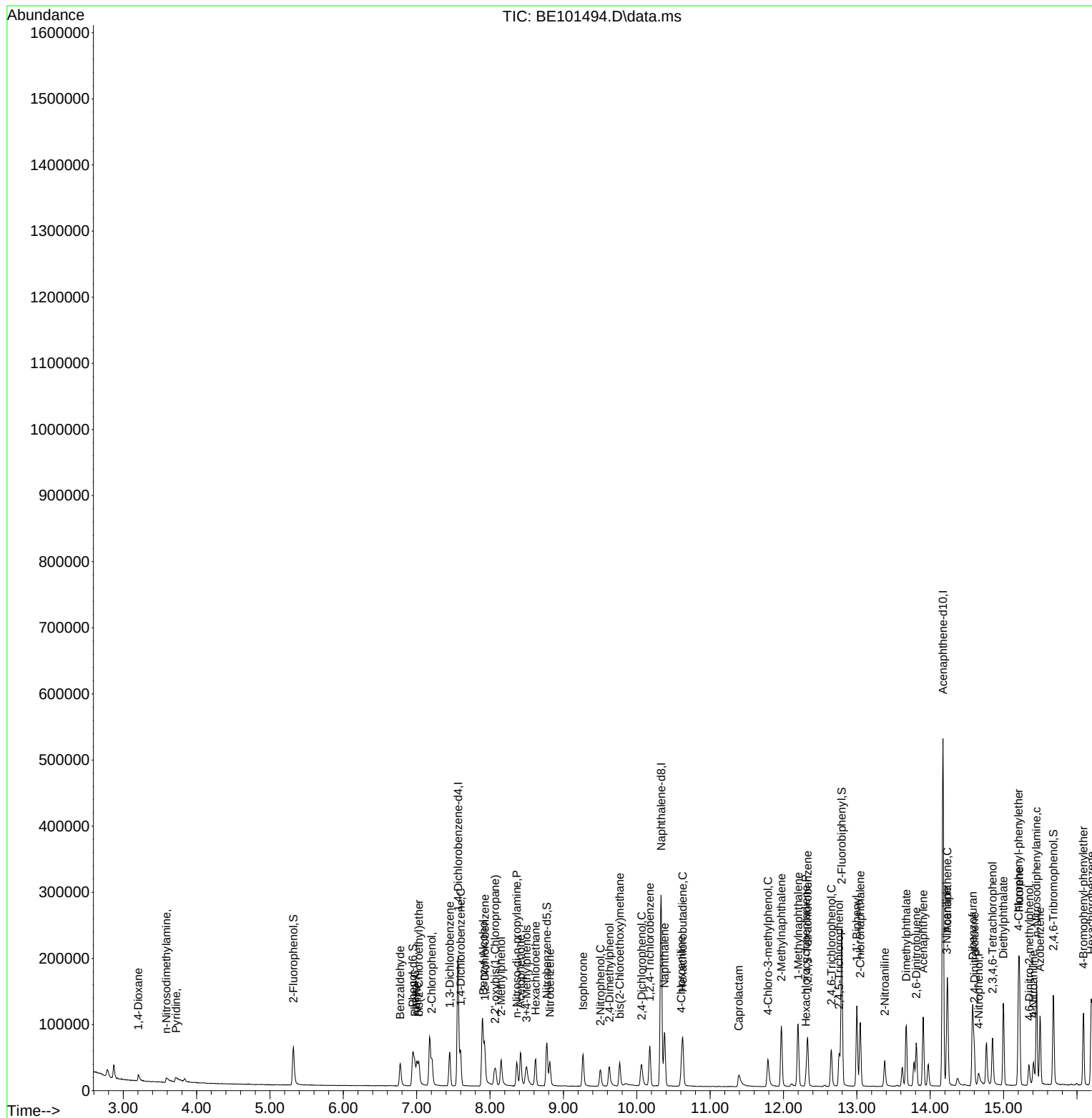
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	12.999	154	65480	5.258	ng	98
47) 2-Chloronaphthalene	13.046	162	50727	5.164	ng	99
48) 2-Nitroaniline	13.380	65	11198	4.307	ng	98
49) Acenaphthylene	13.903	152	75121	5.132	ng	98
50) Dimethylphthalate	13.674	163	67715	5.267	ng	99
51) 2,6-Dinitrotoluene	13.809	165	14269	4.809	ng	99
52) Acenaphthene	14.232	154	50361	5.391	ng	97
53) 3-Nitroaniline	14.227	138	12712	4.413	ng	97
55) Dibenzofuran	14.579	168	81210	5.399	ng	98
56) 4-Nitrophenol	14.661	139	8908	3.745	ng	94
57) 2,4-Dinitrotoluene	14.603	165	19245	4.616	ng	99
58) Fluorene	15.214	166	67240	5.356	ng	96
59) 2,3,4,6-Tetrachlorophenol	14.849	232	17086	5.070	ng	97
60) Diethylphthalate	14.996	149	72206	5.326	ng	99
61) 4-Chlorophenyl-phenyle...	15.202	204	34173	5.361	ng	99
62) 4-Nitroaniline	15.407	138	12871	4.147	ng	98
63) Azobenzene	15.496	77	57916	5.237	ng	97
65) 4,6-Dinitro-2-methylph...	15.349	198	8886	3.536	ng	99
66) n-Nitrosodiphenylamine	15.449	169	58159	5.177	ng	98
67) 4-Bromophenyl-phenylether	16.089	248	23904	5.120	ng	97
68) Hexachlorobenzene	16.195	284	31869	5.186	ng	97
69) Atrazine	16.383	200	21418	6.457	ng	100
70) Pentachlorophenol	16.612	266	13649	4.094	ng	95
71) Phenanthrene	16.953	178	112923	5.484	ng	98
72) Anthracene	17.035	178	109043	5.363	ng	99
73) Carbazole	17.370	167	108967	5.344	ng	98
74) Di-n-butylphthalate	17.816	149	138845	5.514	ng	100
75) Fluoranthene	18.956	202	152583	5.780	ng	99
77) Benzidine	19.215	184	44276	3.622	ng	98
78) Pyrene	19.326	202	164135	5.277	ng	99
80) Butylbenzylphthalate	20.172	149	73897	5.286	ng	96
81) Benzo(a)anthracene	21.048	228	182321	5.615	ng	98
82) 3,3'-Dichlorobenzidine	21.024	252	63710	4.985	ng	96
83) Chrysene	21.107	228	172304	5.583	ng	96
84) Bis(2-ethylhexyl)phtha...	20.878	149	117153	5.543	ng	99
85) Di-n-octyl phthalate	21.724	149	206394	5.773	ng	99
87) Indeno(1,2,3-cd)pyrene	25.672	276	258737	5.383	ng	100
88) Benzo(b)fluoranthene	22.646	252	213339	5.559	ng	99
89) Benzo(k)fluoranthene	22.687	252	195634	5.616	ng	99
90) Benzo(a)pyrene	23.245	252	178972	5.402	ng	98
91) Dibenzo(a,h)anthracene	25.666	278	218633	5.461	ng	99
92) Benzo(g,h,i)perylene	26.418	276	216594	5.325	ng	99

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

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



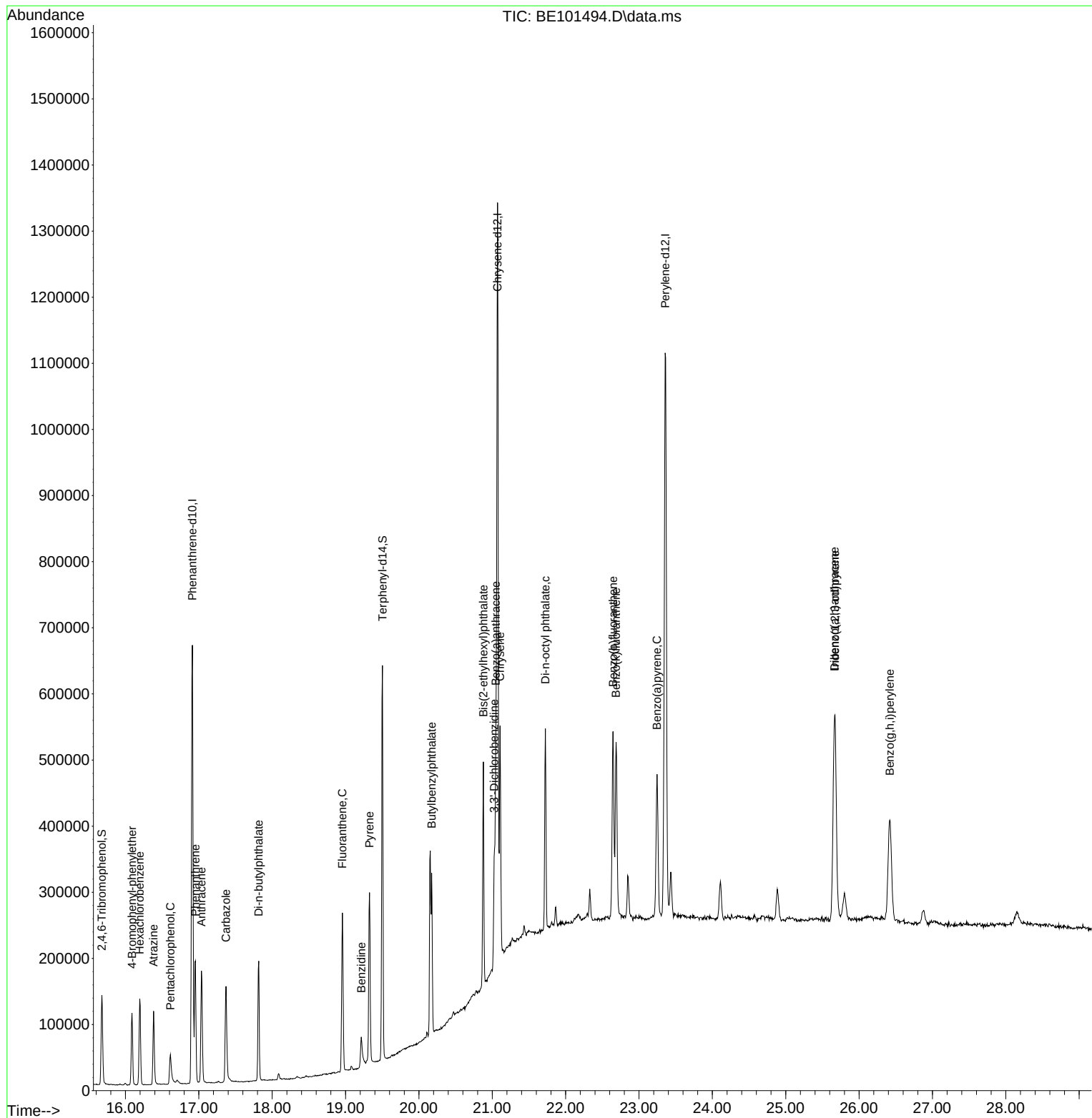
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101494.D
Acq On : 6 Nov 2024 14:27
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Quant Time: Nov 06 23:57:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101495.D
 Acq On : 6 Nov 2024 15:03
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

SSTDICC010

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:49:02 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Nov 06 23:45:11 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.564	152	57903	20.000	ng	0.00
21) Naphthalene-d8	10.331	136	265882	20.000	ng	0.00
39) Acenaphthene-d10	14.174	164	191874	20.000	ng	0.00
64) Phenanthrene-d10	16.912	188	462919	20.000	ng	0.00
76) Chrysene-d12	21.072	240	581190	20.000	ng	0.00
86) Perylene-d12	23.357	264	754679	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.319	112	65746	20.077	ng	0.00
7) Phenol-d6	6.947	99	88292	19.665	ng	0.00
23) Nitrobenzene-d5	8.774	82	84140	19.989	ng	0.00
42) 2,4,6-Tribromophenol	15.678	330	75025	20.780	ng	0.00
45) 2-Fluorobiphenyl	12.793	172	248407	21.139	ng	0.00
79) Terphenyl-d14	19.503	244	594535	22.644	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.204	88	13252	10.874	ng	97
3) Pyridine	3.680	79	34238m	10.071	ng	
4) n-Nitrosodimethylamine	3.569	42	13462m	10.002	ng	
6) Aniline	7.000	93	36214	10.746	ng	98
8) 2-Chlorophenol	7.205	128	38871	10.019	ng	97
9) Benzaldehyde	6.771	77	26925	12.260	ng	96
10) Phenol	6.970	94	48699	9.964	ng	98
11) bis(2-Chloroethyl)ether	7.029	93	42663m	10.547	ng	
12) 1,3-Dichlorobenzene	7.446	146	44177	10.430	ng	98
13) 1,4-Dichlorobenzene	7.599	146	44669	10.412	ng	99
14) 1,2-Dichlorobenzene	7.922	146	43304	10.283	ng	99
15) Benzyl Alcohol	7.911	79	24919	9.501	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.063	45	48928	10.216	ng	99
17) 2-Methylphenol	8.151	107	30129	9.522	ng	97
18) Hexachloroethane	8.616	117	14738	10.172	ng	100
19) n-Nitroso-di-n-propyla...	8.363	70	30120	10.174	ng	99
20) 3+4-Methylphenols	8.492	107	42944	9.788	ng	98
22) Acetophenone	8.416	105	61153	10.156	ng	# 100
24) Nitrobenzene	8.815	77	43756	9.994	ng	97
25) Isophorone	9.262	82	82283	10.045	ng	98
26) 2-Nitrophenol	9.503	139	22250	9.550	ng	99
27) 2,4-Dimethylphenol	9.620	122	26420	9.800	ng	99
28) bis(2-Chloroethoxy)met...	9.761	93	50896	10.150	ng	99
29) 2,4-Dichlorophenol	10.061	162	37045	9.680	ng	97
30) 1,2,4-Trichlorobenzene	10.178	180	43281	10.131	ng	100
31) Naphthalene	10.378	128	137286	10.228	ng	99
32) Benzoic acid	9.844	122	14914m	11.988	ng	
33) 4-Chloroaniline	10.607	127	48397	10.253	ng	99
34) Hexachlorobutadiene	10.625	225	26322	9.996	ng	99
35) Caprolactam	11.377	113	14195	10.113	ng	96
36) 4-Chloro-3-methylphenol	11.782	107	42227	10.104	ng	98
37) 2-Methylnaphthalene	11.970	142	97448	10.221	ng	99
38) 1-Methylnaphthalene	12.194	142	98102	10.318	ng	99
40) 1,2,4,5-Tetrachloroben...	12.329	216	49721	9.829	ng	99
41) Hexachlorocyclopentadiene	12.305	237	12302	8.333	ng	94
43) 2,4,6-Trichlorophenol	12.646	196	33805	9.730	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101495.D
 Acq On : 6 Nov 2024 15:03
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

SSTDICC010

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:49:02 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Nov 06 23:45:11 2024

Response via : Initial Calibration

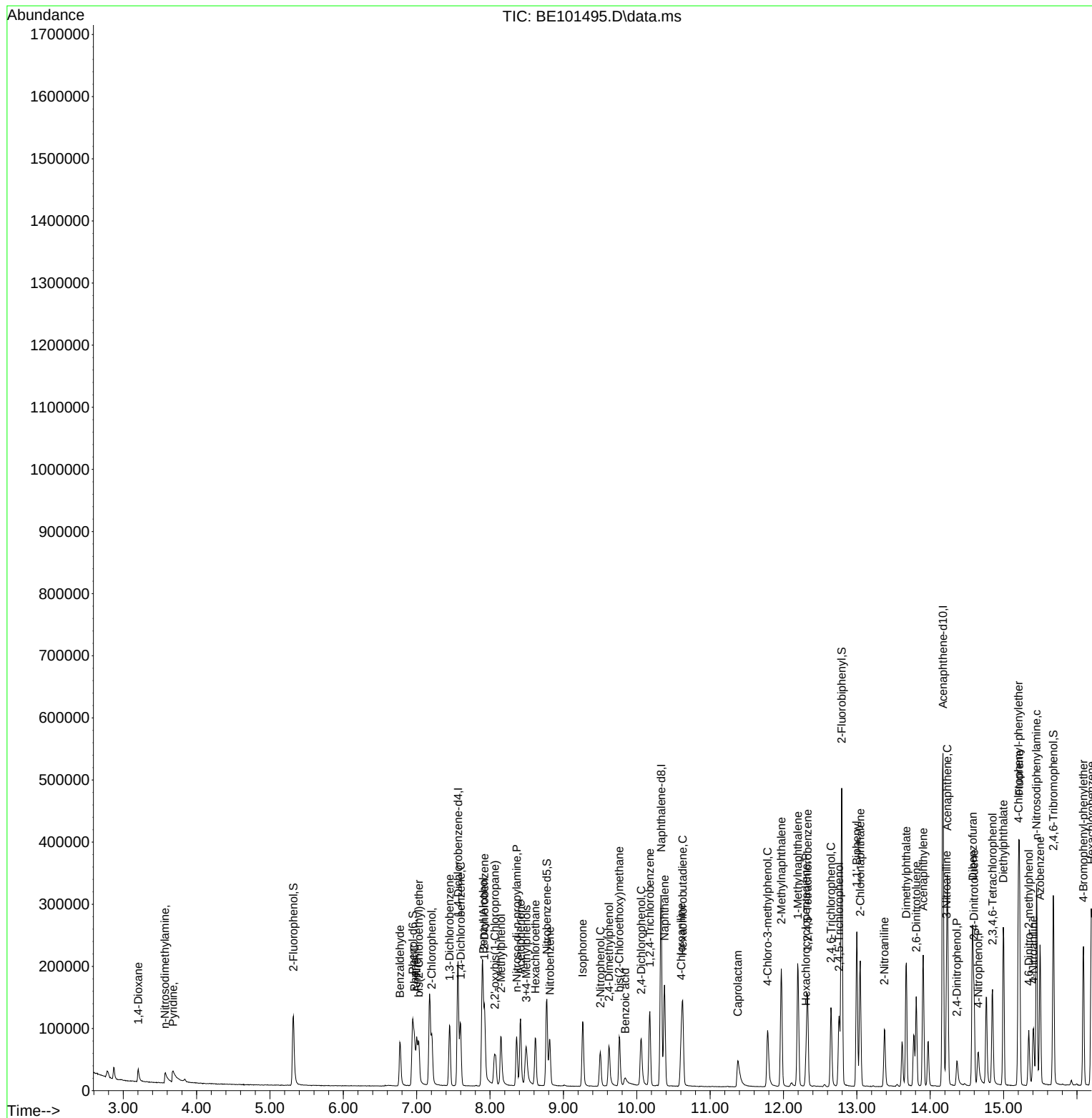
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.758	196	36598	9.456	ng	99
46) 1,1'-Biphenyl	12.999	154	135881	10.267	ng	99
47) 2-Chloronaphthalene	13.046	162	105886	10.143	ng	98
48) 2-Nitroaniline	13.375	65	26212	9.486	ng	94
49) Acenaphthylene	13.904	152	159301	10.240	ng	100
50) Dimethylphthalate	13.674	163	141845	10.381	ng	99
51) 2,6-Dinitrotoluene	13.810	165	31703	10.053	ng	98
52) Acenaphthene	14.233	154	103151	10.391	ng	99
53) 3-Nitroaniline	14.221	138	30678	10.021	ng	100
54) 2,4-Dinitrophenol	14.362	184	13356	7.227	ng	95
55) Dibenzofuran	14.579	168	166586	10.421	ng	98
56) 4-Nitrophenol	14.656	139	22580	8.932	ng	98
57) 2,4-Dinitrotoluene	14.597	165	43718	9.868	ng	95
58) Fluorene	15.214	166	141548	10.610	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.849	232	35091	9.798	ng	99
60) Diethylphthalate	14.996	149	151484	10.515	ng	99
61) 4-Chlorophenyl-phenyle...	15.202	204	70641	10.427	ng	99
62) 4-Nitroaniline	15.408	138	32072	9.723	ng	99
63) Azobenzene	15.496	77	121761	10.360	ng	98
65) 4,6-Dinitro-2-methylph...	15.343	198	24157	8.791	ng	96
66) n-Nitrosodiphenylamine	15.449	169	123543	10.056	ng	99
67) 4-Bromophenyl-phenylether	16.089	248	50392	9.870	ng	98
68) Hexachlorobenzene	16.195	284	67099	9.986	ng	98
69) Atrazine	16.383	200	43317	11.943	ng	99
70) Pentachlorophenol	16.606	266	32157	8.820	ng	100
71) Phenanthrene	16.953	178	231521	10.283	ng	99
72) Anthracene	17.035	178	228097	10.259	ng	99
73) Carbazole	17.370	167	232212	10.414	ng	98
74) Di-n-butylphthalate	17.817	149	293685	10.666	ng	99
75) Fluoranthene	18.956	202	313161	10.848	ng	99
77) Benzidine	19.215	184	125704	9.672	ng	98
78) Pyrene	19.327	202	336444	10.174	ng	99
80) Butylbenzylphthalate	20.173	149	151678	10.206	ng	96
81) Benzo(a)anthracene	21.048	228	365483	10.588	ng	99
82) 3,3'-Dichlorobenzidine	21.025	252	137731	10.136	ng	99
83) Chrysene	21.107	228	353202	10.766	ng	98
84) Bis(2-ethylhexyl)phtha...	20.878	149	237030	10.550	ng	99
85) Di-n-octyl phthalate	21.724	149	415603	10.934	ng	100
87) Indeno(1,2,3-cd)pyrene	25.672	276	525995	10.142	ng	100
88) Benzo(b)fluoranthene	22.646	252	437004	10.554	ng	100
89) Benzo(k)fluoranthene	22.687	252	394215	10.488	ng	99
90) Benzo(a)pyrene	23.246	252	367555	10.282	ng	99
91) Dibenzo(a,h)anthracene	25.666	278	440981	10.210	ng	99
92) Benzo(g,h,i)perylene	26.418	276	439224	10.009	ng	98

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

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



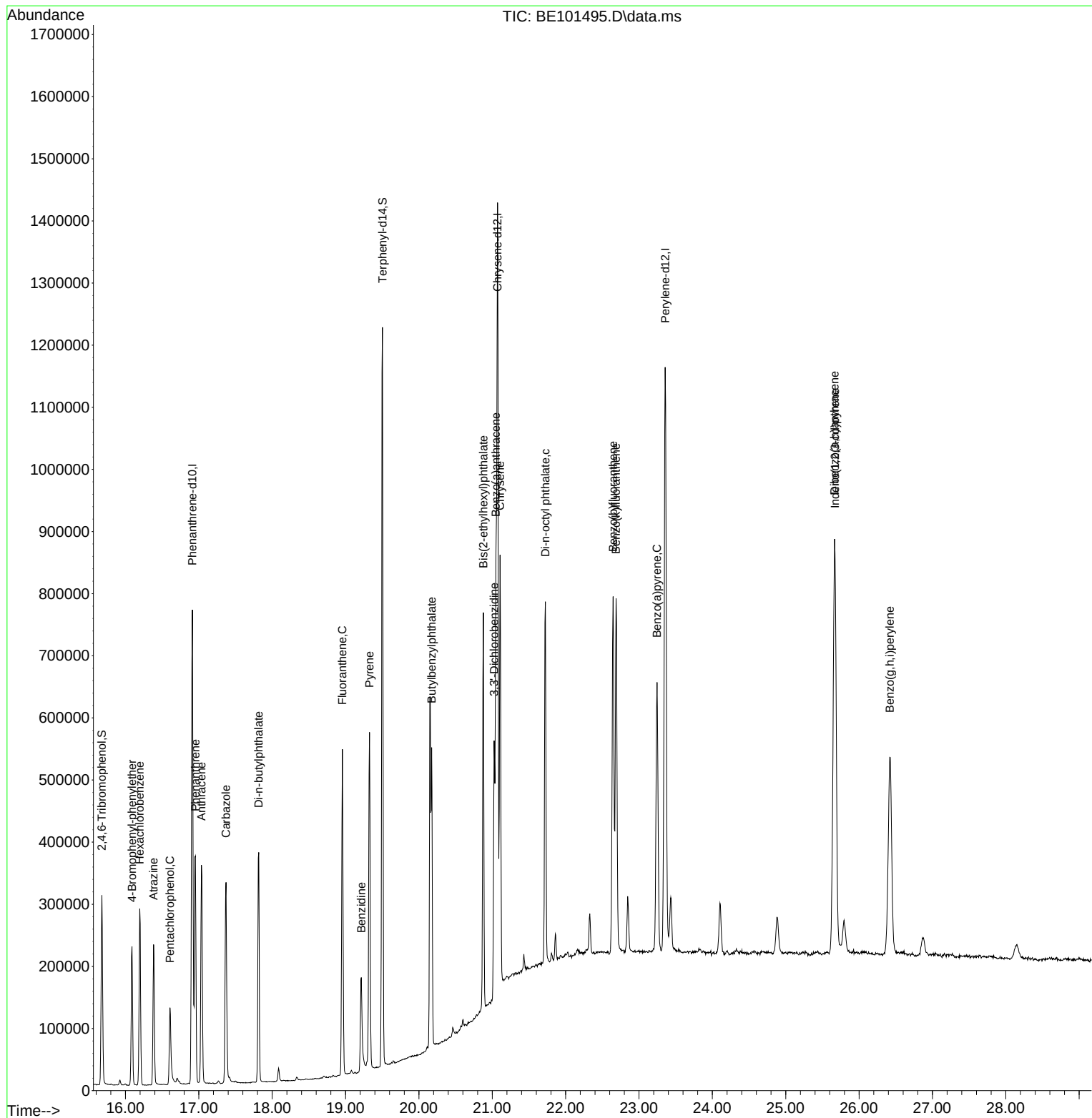
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101495.D
Acq On : 6 Nov 2024 15:03
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:49:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101496.D
 Acq On : 6 Nov 2024 15:39
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

SSTDICC020

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:50:38 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Nov 06 23:45:11 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.563	152	62157	20.000	ng	0.00
21) Naphthalene-d8	10.331	136	288909	20.000	ng	0.00
39) Acenaphthene-d10	14.173	164	204232	20.000	ng	0.00
64) Phenanthrene-d10	16.911	188	478096	20.000	ng	0.00
76) Chrysene-d12	21.071	240	559370	20.000	ng	0.00
86) Perylene-d12	23.357	264	714238	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.313	112	139200	39.598	ng	0.00
7) Phenol-d6	6.947	99	193657	40.180	ng	0.00
23) Nitrobenzene-d5	8.768	82	183862	40.198	ng	0.00
42) 2,4,6-Tribromophenol	15.678	330	159627	41.537	ng	0.00
45) 2-Fluorobiphenyl	12.793	172	530710	42.429	ng	0.00
79) Terphenyl-d14	19.502	244	1149756	45.499	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.198	88	27229	20.814	ng	97
3) Pyridine	3.639	79	71059m	19.470	ng	
4) n-Nitrosodimethylamine	3.551	42	27721	19.186	ng	93
6) Aniline	6.999	93	81808	22.615	ng	98
8) 2-Chlorophenol	7.205	128	84488	20.286	ng	98
9) Benzaldehyde	6.770	77	54398	23.073	ng	100
10) Phenol	6.970	94	105803	20.167	ng	100
11) bis(2-Chloroethyl)ether	7.029	93	86535m	19.928	ng	
12) 1,3-Dichlorobenzene	7.446	146	92668	20.381	ng	99
13) 1,4-Dichlorobenzene	7.599	146	93750	20.357	ng	98
14) 1,2-Dichlorobenzene	7.928	146	92070	20.367	ng	99
15) Benzyl Alcohol	7.904	79	56585	20.098	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.069	45	105656	20.551	ng	99
17) 2-Methylphenol	8.145	107	66717	19.642	ng	100
18) Hexachloroethane	8.615	117	31540	20.280	ng	99
19) n-Nitroso-di-n-propyla...	8.363	70	65778	20.698	ng	96
20) 3+4-Methylphenols	8.492	107	95041	20.180	ng	97
22) Acetophenone	8.415	105	133156	20.351	ng	99
24) Nitrobenzene	8.815	77	95424	20.058	ng	100
25) Isophorone	9.261	82	182448	20.497	ng	99
26) 2-Nitrophenol	9.502	139	50585	19.981	ng	99
27) 2,4-Dimethylphenol	9.620	122	58909	20.110	ng	96
28) bis(2-Chloroethoxy)met...	9.761	93	111395	20.444	ng	98
29) 2,4-Dichlorophenol	10.055	162	83380	20.050	ng	98
30) 1,2,4-Trichlorobenzene	10.178	180	93377	20.114	ng	98
31) Naphthalene	10.378	128	296678	20.341	ng	100
32) Benzoic acid	9.861	122	39574	19.298	ng	97
33) 4-Chloroaniline	10.601	127	107079	20.877	ng	98
34) Hexachlorobutadiene	10.625	225	58370	20.400	ng	98
35) Caprolactam	11.377	113	31049	20.357	ng	97
36) 4-Chloro-3-methylphenol	11.782	107	91230	20.090	ng	98
37) 2-Methylnaphthalene	11.970	142	211769	20.442	ng	100
38) 1-Methylnaphthalene	12.193	142	212055	20.526	ng	99
40) 1,2,4,5-Tetrachloroben...	12.328	216	109331	20.305	ng	99
41) Hexachlorocyclopentadiene	12.305	237	31257	19.892	ng	97
43) 2,4,6-Trichlorophenol	12.646	196	73612	19.906	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101496.D
 Acq On : 6 Nov 2024 15:39
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

SSTDICC020

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:50:38 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Nov 06 23:45:11 2024

Response via : Initial Calibration

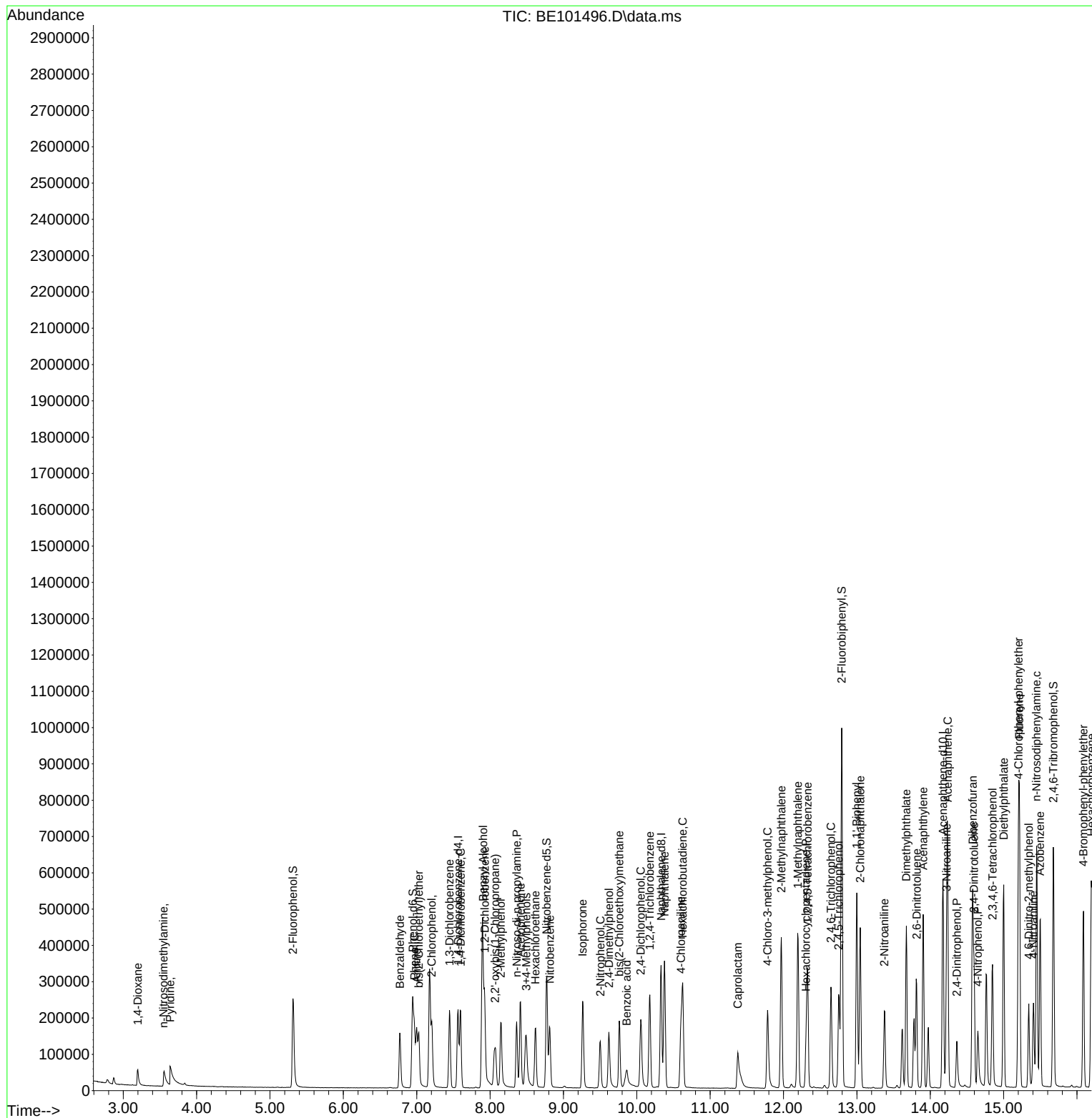
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.752	196	82078	19.923	ng	98
46) 1,1'-Biphenyl	12.998	154	290783	20.641	ng	98
47) 2-Chloronaphthalene	13.045	162	227654	20.488	ng	98
48) 2-Nitroaniline	13.374	65	59673	20.289	ng	95
49) Acenaphthylene	13.903	152	339324	20.493	ng	99
50) Dimethylphthalate	13.674	163	301910	20.759	ng	100
51) 2,6-Dinitrotoluene	13.815	165	68614	20.441	ng	97
52) Acenaphthene	14.238	154	220601	20.878	ng	100
53) 3-Nitroaniline	14.220	138	68336	20.970	ng	100
54) 2,4-Dinitrophenol	14.361	184	36342	18.475	ng	99
55) Dibenzofuran	14.579	168	352138	20.695	ng	99
56) 4-Nitrophenol	14.649	139	56819	21.116	ng	97
57) 2,4-Dinitrotoluene	14.596	165	98001	20.782	ng	99
58) Fluorene	15.213	166	297824	20.973	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.849	232	77085	20.221	ng	98
60) Diethylphthalate	15.002	149	322160	21.009	ng	99
61) 4-Chlorophenyl-phenyle...	15.202	204	149620	20.749	ng	99
62) 4-Nitroaniline	15.407	138	73381	20.901	ng	99
63) Azobenzene	15.495	77	263292	21.046	ng	98
65) 4,6-Dinitro-2-methylph...	15.343	198	56173	19.793	ng	96
66) n-Nitrosodiphenylamine	15.448	169	260701	20.547	ng	100
67) 4-Bromophenyl-phenylether	16.089	248	105846	20.073	ng	99
68) Hexachlorobenzene	16.195	284	140892	20.302	ng	98
69) Atrazine	16.383	200	72153	19.262	ng	98
70) Pentachlorophenol	16.606	266	74047	19.665	ng	98
71) Phenanthrene	16.952	178	485572	20.882	ng	98
72) Anthracene	17.035	178	476989	20.772	ng	99
73) Carbazole	17.370	167	478446	20.777	ng	99
74) Di-n-butylphthalate	17.816	149	602646	21.192	ng	99
75) Fluoranthene	18.956	202	629084	21.100	ng	100
77) Benzidine	19.215	184	139825	11.179	ng	99
78) Pyrene	19.326	202	670466	21.066	ng	99
80) Butylbenzylphthalate	20.172	149	296909	20.758	ng	97
81) Benzo(a)anthracene	21.054	228	703560	21.178	ng	99
82) 3,3'-Dichlorobenzidine	21.024	252	268532	20.534	ng	99
83) Chrysene	21.106	228	675186	21.382	ng	98
84) Bis(2-ethylhexyl)phtha...	20.877	149	460007	21.272	ng	99
85) Di-n-octyl phthalate	21.723	149	773873	21.154	ng	100
87) Indeno(1,2,3-cd)pyrene	25.678	276	1007609	20.529	ng	100
88) Benzo(b)fluoranthene	22.646	252	790994	20.186	ng	100
89) Benzo(k)fluoranthene	22.693	252	771144	21.678	ng	99
90) Benzo(a)pyrene	23.251	252	697499	20.617	ng	98
91) Dibenzo(a,h)anthracene	25.672	278	849560	20.783	ng	99
92) Benzo(g,h,i)perylene	26.430	276	844229	20.329	ng	99

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

Instrument :
BNA_E
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



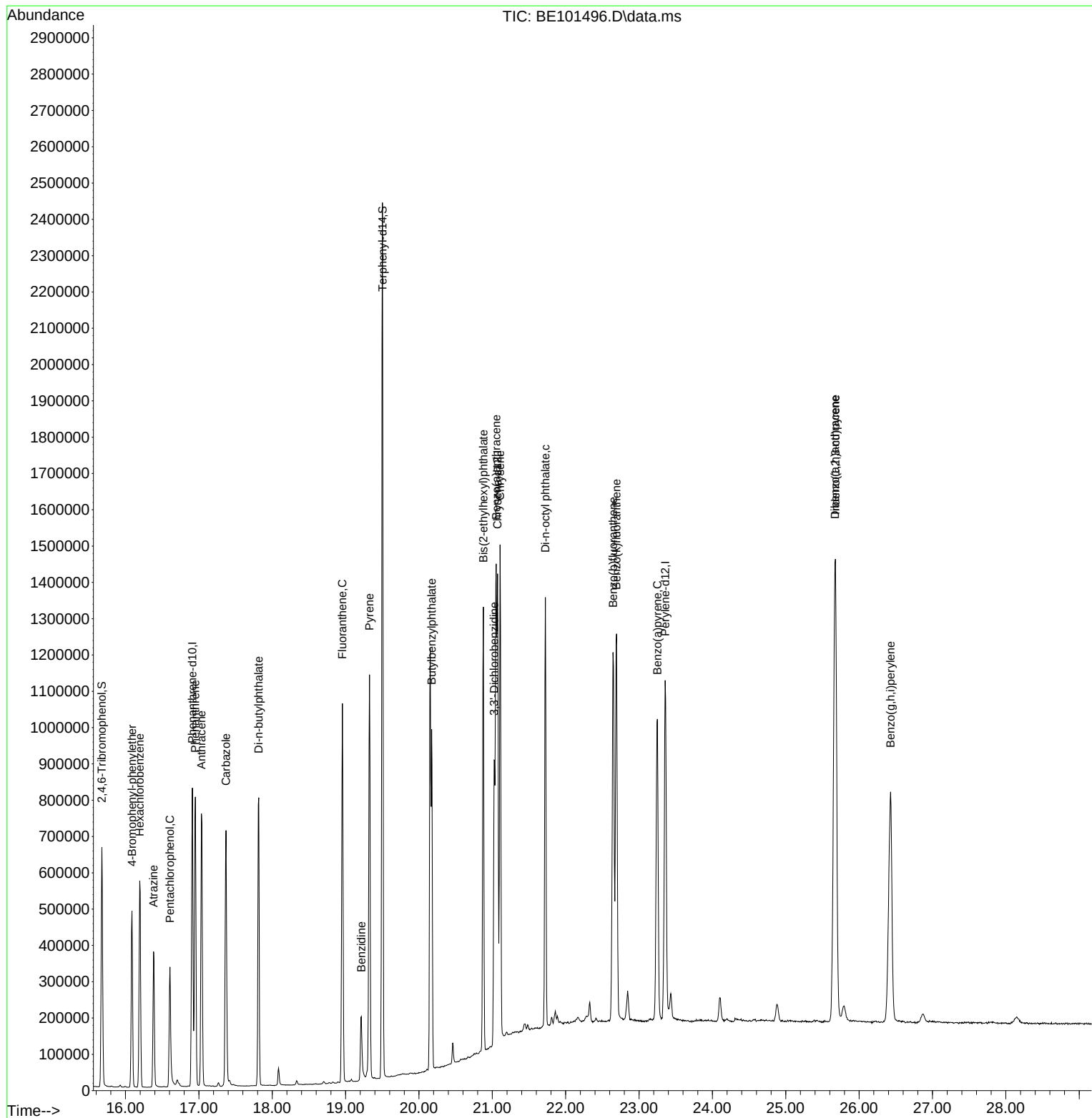
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101496.D
Acq On : 6 Nov 2024 15:39
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:50:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101497.D
 Acq On : 6 Nov 2024 16:14
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

SSTDICCC040

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:52:01 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Nov 06 23:45:11 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.563	152	65428	20.000	ng	0.00
21) Naphthalene-d8	10.331	136	303330	20.000	ng	0.00
39) Acenaphthene-d10	14.173	164	215457	20.000	ng	0.00
64) Phenanthrene-d10	16.911	188	491742	20.000	ng	0.00
76) Chrysene-d12	21.077	240	550275	20.000	ng	0.00
86) Perylene-d12	23.357	264	716867	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.313	112	288128	77.866	ng	0.00
7) Phenol-d6	6.946	99	403056	79.445	ng	0.00
23) Nitrobenzene-d5	8.774	82	379149	78.953	ng	0.00
42) 2,4,6-Tribromophenol	15.683	330	317793	78.385	ng	0.00
45) 2-Fluorobiphenyl	12.798	172	1037900	78.655	ng	0.00
79) Terphenyl-d14	19.502	244	1985767	79.880	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.192	88	53100	38.561	ng	100
3) Pyridine	3.621	79	151009m	39.308	ng	
4) n-Nitrosodimethylamine	3.544	42	58296	38.331	ng	100
6) Aniline	6.999	93	179040	47.019	ng	100
8) 2-Chlorophenol	7.205	128	172237	39.288	ng	100
9) Benzaldehyde	6.770	77	100349	40.436	ng	100
10) Phenol	6.970	94	217743	39.429	ng	100
11) bis(2-Chloroethyl)ether	7.029	93	152468	33.357	ng	100
12) 1,3-Dichlorobenzene	7.452	146	186373	38.941	ng	100
13) 1,4-Dichlorobenzene	7.599	146	188950	38.978	ng	100
14) 1,2-Dichlorobenzene	7.928	146	185524	38.988	ng	100
15) Benzyl Alcohol	7.898	79	120198	40.558	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.069	45	213049	39.369	ng	100
17) 2-Methylphenol	8.151	107	145652	40.738	ng	100
18) Hexachloroethane	8.615	117	63329	38.684	ng	100
19) n-Nitroso-di-n-propyla...	8.362	70	134354	40.163	ng	100
20) 3+4-Methylphenols	8.486	107	199485	40.239	ng	100
22) Acetophenone	8.415	105	268772	39.126	ng	# 100
24) Nitrobenzene	8.815	77	196271	39.295	ng	100
25) Isophorone	9.267	82	370532	39.648	ng	100
26) 2-Nitrophenol	9.502	139	105465	39.677	ng	100
27) 2,4-Dimethylphenol	9.620	122	119996	39.015	ng	100
28) bis(2-Chloroethoxy)met...	9.761	93	224782	39.293	ng	100
29) 2,4-Dichlorophenol	10.054	162	171951	39.383	ng	100
30) 1,2,4-Trichlorobenzene	10.178	180	188477	38.669	ng	100
31) Naphthalene	10.378	128	596239	38.936	ng	100
32) Benzoic acid	9.896	122	100608	36.895	ng	100
33) 4-Chloroaniline	10.601	127	217302	40.353	ng	100
34) Hexachlorobutadiene	10.624	225	116475	38.771	ng	100
35) Caprolactam	11.394	113	64814m	40.475	ng	
36) 4-Chloro-3-methylphenol	11.788	107	189183	39.679	ng	100
37) 2-Methylnaphthalene	11.970	142	428221	39.371	ng	100
38) 1-Methylnaphthalene	12.199	142	422238	38.928	ng	100
40) 1,2,4,5-Tetrachloroben...	12.328	216	220907	38.889	ng	100
41) Hexachlorocyclopentadiene	12.311	237	71897	43.372	ng	100
43) 2,4,6-Trichlorophenol	12.646	196	154090	39.498	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101497.D
 Acq On : 6 Nov 2024 16:14
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

SSTDICCC040

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:52:01 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Nov 06 23:45:11 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.757	196	172581	39.708	ng	100
46) 1,1'-Biphenyl	12.998	154	575666	38.734	ng	100
47) 2-Chloronaphthalene	13.045	162	456557	38.949	ng	100
48) 2-Nitroaniline	13.380	65	124293	40.058	ng	100
49) Acenaphthylene	13.909	152	682392	39.065	ng	100
50) Dimethylphthalate	13.680	163	598488	39.008	ng	100
51) 2,6-Dinitrotoluene	13.815	165	139657	39.438	ng	100
52) Acenaphthene	14.238	154	434094	38.942	ng	100
53) 3-Nitroaniline	14.226	138	141201	41.073	ng	100
54) 2,4-Dinitrophenol	14.367	184	83465	40.220	ng	100
55) Dibenzofuran	14.579	168	696090	38.778	ng	100
56) 4-Nitrophenol	14.655	139	118316	41.679	ng	100
57) 2,4-Dinitrotoluene	14.602	165	198240	39.848	ng	100
58) Fluorene	15.219	166	587456	39.214	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.849	232	158904	39.512	ng	100
60) Diethylphthalate	15.002	149	627861	38.811	ng	100
61) 4-Chlorophenyl-phenyle...	15.201	204	296844	39.021	ng	100
62) 4-Nitroaniline	15.413	138	150324	40.586	ng	100
63) Azobenzene	15.501	77	515255	39.041	ng	100
65) 4,6-Dinitro-2-methylph...	15.348	198	120802	41.385	ng	100
66) n-Nitrosodiphenylamine	15.454	169	510599	39.126	ng	100
67) 4-Bromophenyl-phenylether	16.089	248	210746	38.857	ng	100
68) Hexachlorobenzene	16.200	284	277335	38.854	ng	100
69) Atrazine	16.388	200	167968	43.596	ng	100
70) Pentachlorophenol	16.606	266	158859	41.018	ng	100
71) Phenanthrene	16.952	178	926504	38.739	ng	100
72) Anthracene	17.040	178	927250	39.259	ng	100
73) Carbazole	17.369	167	924273	39.023	ng	100
74) Di-n-butylphthalate	17.816	149	1150388	39.330	ng	100
75) Fluoranthene	18.956	202	1188222	38.749	ng	100
77) Benzidine	19.214	184	443099	36.010	ng	100
78) Pyrene	19.326	202	1243784	39.725	ng	100
80) Butylbenzylphthalate	20.178	149	557747	39.639	ng	100
81) Benzo(a)anthracene	21.053	228	1287315	39.390	ng	100
82) 3,3'-Dichlorobenzidine	21.030	252	516633	40.158	ng	100
83) Chrysene	21.112	228	1228522	39.549	ng	100
84) Bis(2-ethylhexyl)phtha...	20.877	149	836274	39.312	ng	100
85) Di-n-octyl phthalate	21.723	149	1413042	39.264	ng	100
87) Indeno(1,2,3-cd)pyrene	25.695	276	1931431	39.206	ng	100
88) Benzo(b)fluoranthene	22.651	252	1513421	38.480	ng	100
89) Benzo(k)fluoranthene	22.698	252	1401039	39.241	ng	100
90) Benzo(a)pyrene	23.251	252	1326960	39.080	ng	100
91) Dibenzo(a,h)anthracene	25.683	278	1617066	39.414	ng	100
92) Benzo(g,h,i)perylene	26.441	276	1624063	38.963	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101497.D
 Acq On : 6 Nov 2024 16:14
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

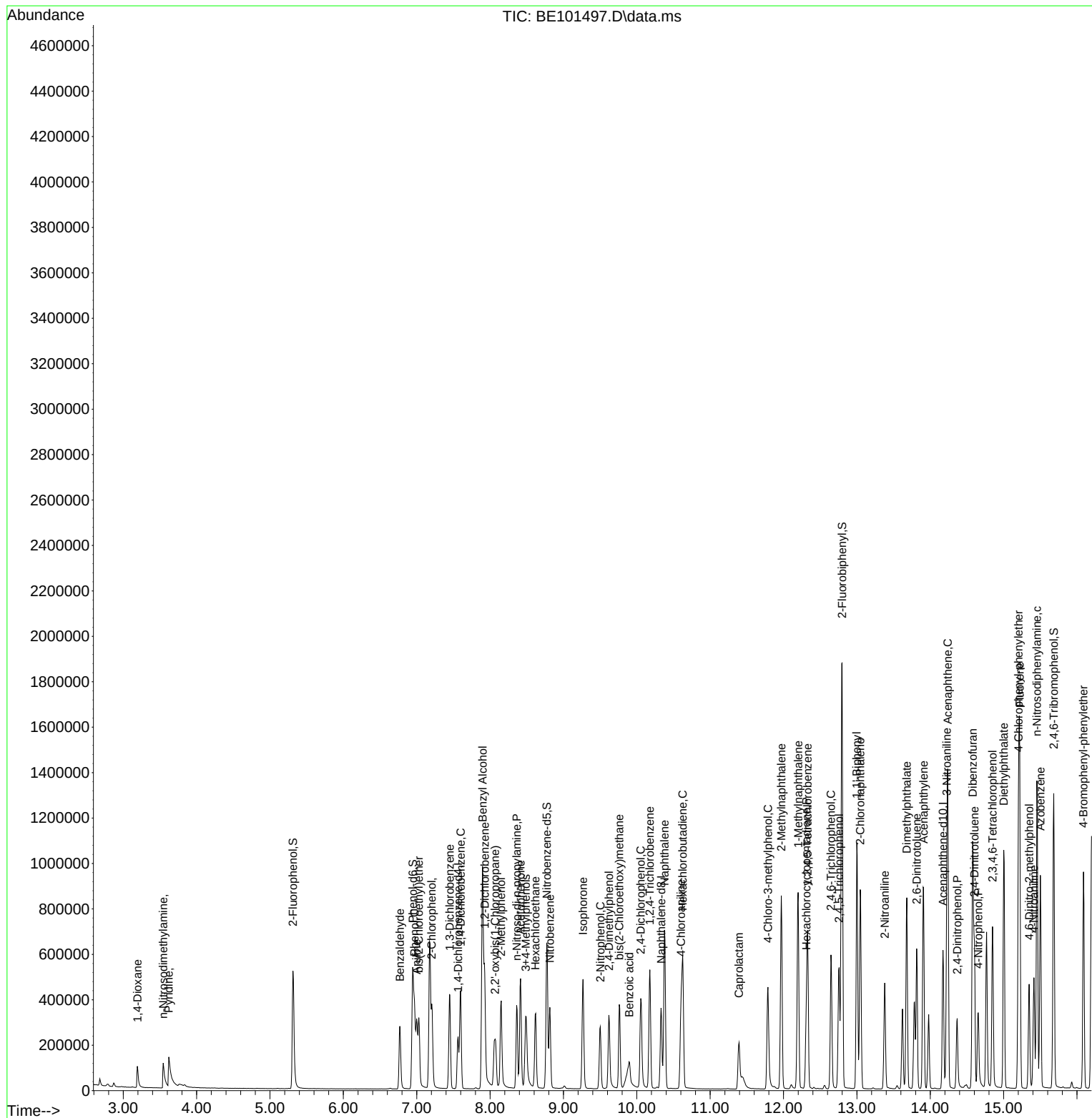
SSTDICCC040

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:52:01 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 23:45:11 2024
 Response via : Initial Calibration



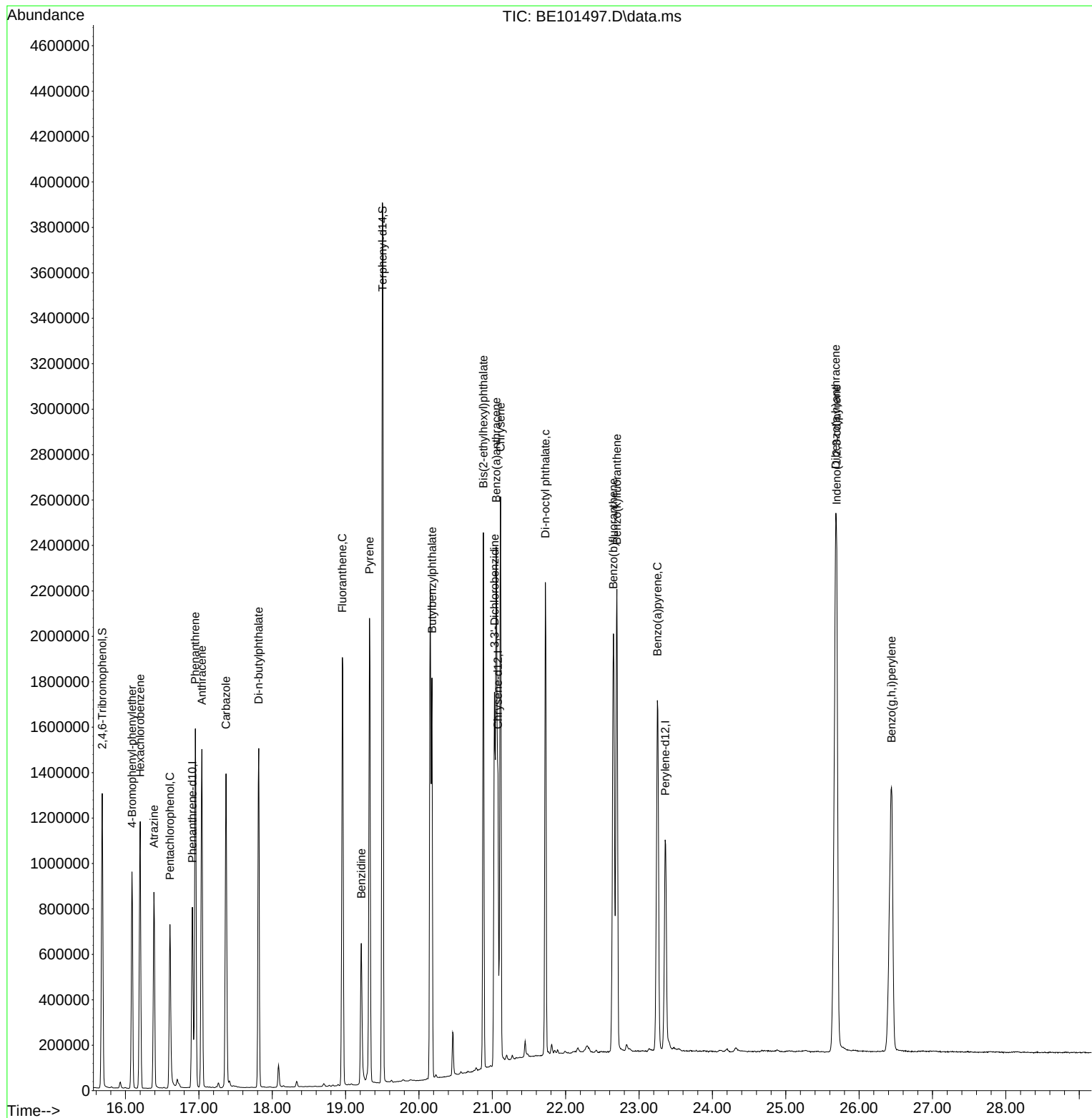
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Data File : BE101497.D
Acq On : 6 Nov 2024 16:14
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICCC040

Quant Time: Nov 06 23:52:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101498.D
 Acq On : 6 Nov 2024 16:50
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

SSTDICC050

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:53:13 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Nov 06 23:45:11 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.561	152	91095	20.000	ng	0.00
21) Naphthalene-d8	10.334	136	420546	20.000	ng	0.00
39) Acenaphthene-d10	14.177	164	294714	20.000	ng	0.00
64) Phenanthrene-d10	16.915	188	651829	20.000	ng	0.00
76) Chrysene-d12	21.075	240	698124	20.000	ng	0.00
86) Perylene-d12	23.360	264	907393	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.317	112	507391	98.486	ng	0.00
7) Phenol-d6	6.950	99	715571	101.303	ng	0.00
23) Nitrobenzene-d5	8.777	82	669237	100.518	ng	0.00
42) 2,4,6-Tribromophenol	15.687	330	535740	96.606	ng	0.00
45) 2-Fluorobiphenyl	12.802	172	1709745	94.725	ng	0.00
79) Terphenyl-d14	19.506	244	2857301	90.597	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.190	88	86138	44.928	ng	99
3) Pyridine	3.613	79	271363m	50.734	ng	
4) n-Nitrosodimethylamine	3.537	42	104883	49.532	ng	97
6) Aniline	7.003	93	233770	44.094	ng	100
8) 2-Chlorophenol	7.209	128	304216	49.841	ng	99
9) Benzaldehyde	6.768	77	149018	43.128	ng	98
10) Phenol	6.974	94	389135	50.610	ng	99
11) bis(2-Chloroethyl)ether	7.032	93	329221	51.732	ng	98
12) 1,3-Dichlorobenzene	7.450	146	321129	48.192	ng	99
13) 1,4-Dichlorobenzene	7.596	146	327207	48.480	ng	99
14) 1,2-Dichlorobenzene	7.926	146	322412	48.664	ng	99
15) Benzyl Alcohol	7.902	79	218205	52.883	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.072	45	369966	49.103	ng	99
17) 2-Methylphenol	8.155	107	255685	51.364	ng	98
18) Hexachloroethane	8.619	117	112465	49.341	ng	98
19) n-Nitroso-di-n-propyla...	8.372	70	238326	51.171	ng	99
20) 3+4-Methylphenols	8.490	107	354774	51.400	ng	99
22) Acetophenone	8.419	105	469557	49.302	ng	# 99
24) Nitrobenzene	8.819	77	345554	49.900	ng	100
25) Isophorone	9.271	82	649442	50.124	ng	100
26) 2-Nitrophenol	9.500	139	190923	51.807	ng	99
27) 2,4-Dimethylphenol	9.624	122	215719	50.589	ng	99
28) bis(2-Chloroethoxy)met...	9.765	93	394162	49.697	ng	100
29) 2,4-Dichlorophenol	10.058	162	308633	50.986	ng	99
30) 1,2,4-Trichlorobenzene	10.176	180	328828	48.661	ng	99
31) Naphthalene	10.381	128	1033552	48.682	ng	100
32) Benzoic acid	9.935	122	200828	50.078	ng	99
33) 4-Chloroaniline	10.611	127	374148	50.114	ng	98
34) Hexachlorobutadiene	10.628	225	205479	49.334	ng	98
35) Caprolactam	11.421	113	111070m	50.028	ng	
36) 4-Chloro-3-methylphenol	11.792	107	334516	50.606	ng	99
37) 2-Methylnaphthalene	11.974	142	741321	49.161	ng	98
38) 1-Methylnaphthalene	12.197	142	733235	48.758	ng	99
40) 1,2,4,5-Tetrachloroben...	12.332	216	382507	49.228	ng	100
41) Hexachlorocyclopentadiene	12.309	237	128897	56.847	ng	98
43) 2,4,6-Trichlorophenol	12.649	196	265972	49.842	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101498.D
 Acq On : 6 Nov 2024 16:50
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC050

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:53:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 23:45:11 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.755	196	302473	50.879	ng	98
46) 1,1'-Biphenyl	13.002	154	990577	48.727	ng	99
47) 2-Chloronaphthalene	13.049	162	784561	48.931	ng	99
48) 2-Nitroaniline	13.384	65	220977	52.065	ng	99
49) Acenaphthylene	13.907	152	1168645	48.909	ng	99
50) Dimethylphthalate	13.689	163	1007892	48.026	ng	99
51) 2,6-Dinitrotoluene	13.824	165	241242	49.804	ng	98
52) Acenaphthene	14.242	154	733889	48.131	ng	100
53) 3-Nitroaniline	14.230	138	238076	50.629	ng	97
54) 2,4-Dinitrophenol	14.371	184	153156	53.956	ng	98
55) Dibenzofuran	14.582	168	1172466	47.751	ng	98
56) 4-Nitrophenol	14.659	139	201601	51.919	ng	98
57) 2,4-Dinitrotoluene	14.606	165	340766	50.076	ng	99
58) Fluorene	15.223	166	978319	47.743	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.853	232	272447	49.527	ng	99
60) Diethylphthalate	15.011	149	1062117	47.998	ng	99
61) 4-Chlorophenyl-phenyle...	15.205	204	500724	48.121	ng	99
62) 4-Nitroaniline	15.423	138	261365	51.589	ng	99
63) Azobenzene	15.505	77	871780	48.291	ng	99
65) 4,6-Dinitro-2-methylph...	15.352	198	214210	55.361	ng	99
66) n-Nitrosodiphenylamine	15.464	169	857158	49.551	ng	99
67) 4-Bromophenyl-phenylether	16.092	248	359667	50.029	ng	98
68) Hexachlorobenzene	16.204	284	468408	49.506	ng	99
69) Atrazine	16.392	200	197336	38.639	ng	99
70) Pentachlorophenol	16.609	266	272040	52.991	ng	99
71) Phenanthrene	16.956	178	1526029	48.135	ng	100
72) Anthracene	17.044	178	1518459	48.501	ng	99
73) Carbazole	17.373	167	1504975	47.935	ng	98
74) Di-n-butylphthalate	17.820	149	1837620	47.396	ng	99
75) Fluoranthene	18.960	202	1885849	46.395	ng	99
77) Benzidine	19.224	184	1144629	73.321	ng	100
78) Pyrene	19.330	202	1962930	49.416	ng	98
80) Butylbenzylphthalate	20.176	149	873276	48.920	ng	98
81) Benzo(a)anthracene	21.057	228	1985312	47.883	ng	98
82) 3,3'-Dichlorobenzidine	21.034	252	833578	51.072	ng	99
83) Chrysene	21.116	228	1875257	47.584	ng	99
84) Bis(2-ethylhexyl)phtha...	20.881	149	1287632	47.710	ng	# 97
85) Di-n-octyl phthalate	21.727	149	2140362	46.878	ng	100
87) Indeno(1,2,3-cd)pyrene	25.711	276	3044286	48.821	ng	100
88) Benzo(b)fluoranthene	22.655	252	2388668	47.982	ng	99
89) Benzo(k)fluoranthene	22.702	252	2191941	48.502	ng	99
90) Benzo(a)pyrene	23.260	252	2093708	48.714	ng	99
91) Dibenzo(a,h)anthracene	25.699	278	2519176	48.510	ng	100
92) Benzo(g,h,i)perylene	26.457	276	2604721	49.369	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101498.D
 Acq On : 6 Nov 2024 16:50
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

SSTDICC050

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024

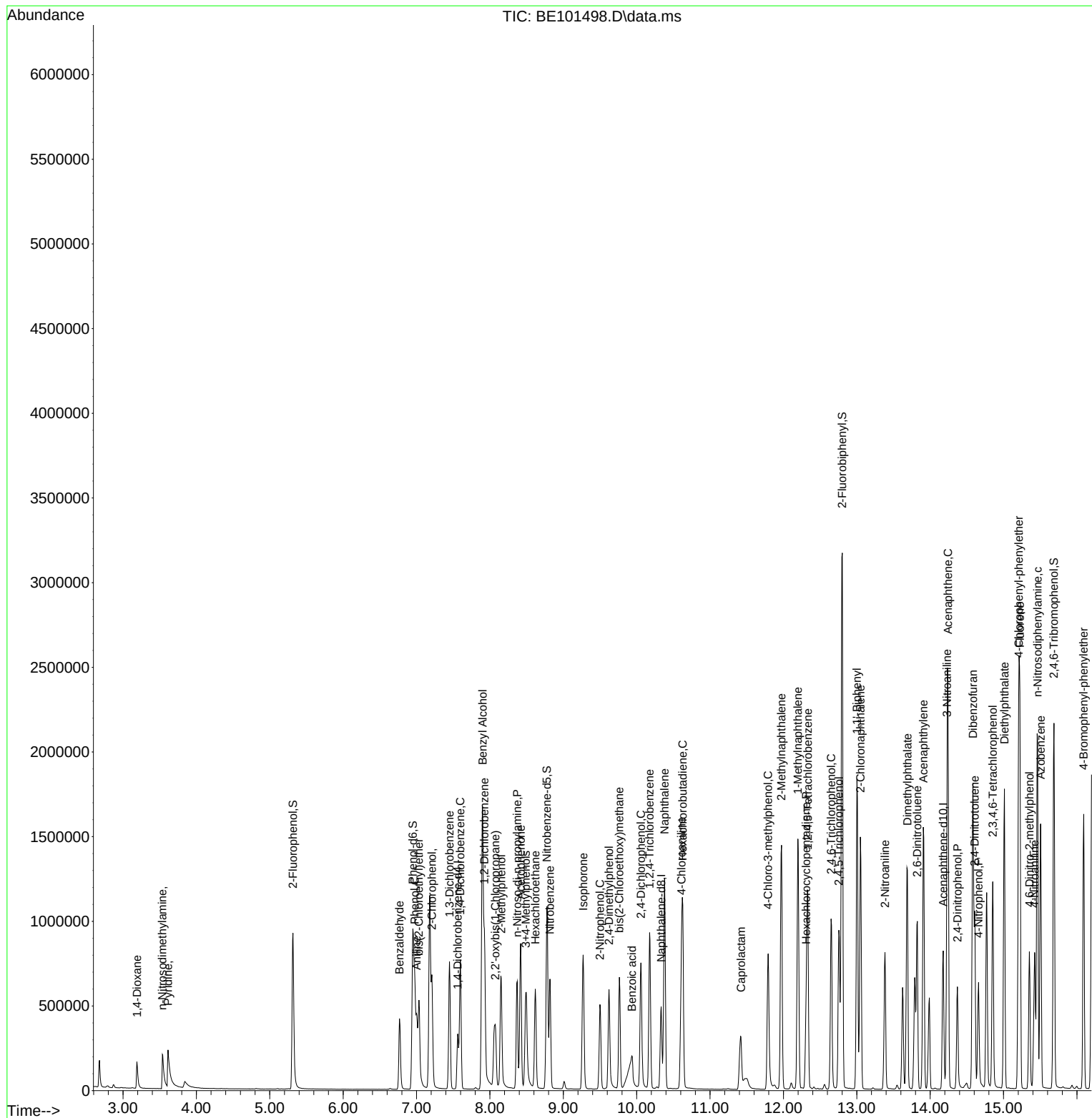
Quant Time: Nov 06 23:53:13 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Nov 06 23:45:11 2024

Response via : Initial Calibration



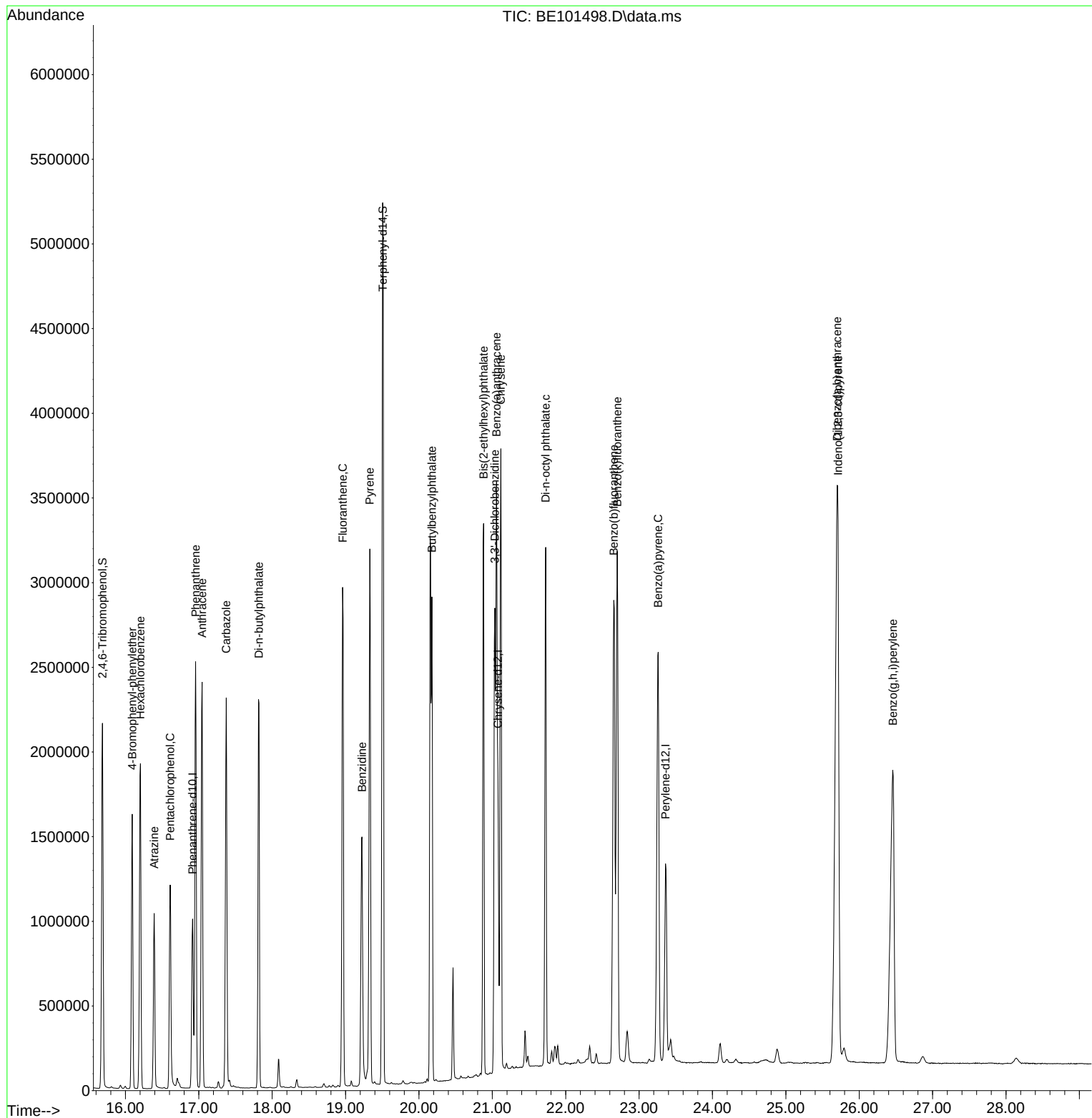
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101498.D
Acq On : 6 Nov 2024 16:50
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC050

Quant Time: Nov 06 23:53:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101499.D
 Acq On : 6 Nov 2024 17:26
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

SSTDICC060

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:54:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 23:45:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.565	152	90839	20.000	ng	0.00
21) Naphthalene-d8	10.332	136	415661	20.000	ng	0.00
39) Acenaphthene-d10	14.175	164	288453	20.000	ng	0.00
64) Phenanthrene-d10	16.913	188	643327	20.000	ng	0.00
76) Chrysene-d12	21.079	240	691975	20.000	ng	0.00
86) Perylene-d12	23.364	264	897873	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.315	112	631877	122.995	ng	0.00
7) Phenol-d6	6.954	99	881551	125.152	ng	0.00
23) Nitrobenzene-d5	8.781	82	811523	123.321	ng	0.00
42) 2,4,6-Tribromophenol	15.691	330	649405	119.644	ng	0.00
45) 2-Fluorobiphenyl	12.800	172	2012001	113.890	ng	0.00
79) Terphenyl-d14	19.510	244	3240402	103.657	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.194	88	107275	56.111	ng	99
3) Pyridine	3.611	79	335162m	62.839	ng	
4) n-Nitrosodimethylamine	3.540	42	128959	61.073	ng	98
6) Aniline	7.001	93	284519	53.818	ng	95
8) 2-Chlorophenol	7.213	128	371716	61.071	ng	100
9) Benzaldehyde	6.772	77	174409	50.619	ng	100
10) Phenol	6.978	94	480739	62.700	ng	98
11) bis(2-Chloroethyl)ether	7.036	93	394203	62.117	ng	99
12) 1,3-Dichlorobenzene	7.453	146	391650	58.941	ng	100
13) 1,4-Dichlorobenzene	7.600	146	399059	59.292	ng	99
14) 1,2-Dichlorobenzene	7.929	146	390950	59.175	ng	100
15) Benzyl Alcohol	7.906	79	266179	64.691	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.070	45	445906	59.349	ng	99
17) 2-Methylphenol	8.153	107	316837	63.828	ng	100
18) Hexachloroethane	8.617	117	136504	60.057	ng	99
19) n-Nitroso-di-n-propyla...	8.376	70	287987	62.008	ng	99
20) 3+4-Methylphenols	8.493	107	437786	63.605	ng	99
22) Acetophenone	8.423	105	567981	60.338	ng	# 99
24) Nitrobenzene	8.822	77	421600	61.597	ng	100
25) Isophorone	9.275	82	786152	61.388	ng	99
26) 2-Nitrophenol	9.504	139	232694	63.884	ng	100
27) 2,4-Dimethylphenol	9.627	122	264403	62.735	ng	98
28) bis(2-Chloroethoxy)met...	9.768	93	475374	60.641	ng	100
29) 2,4-Dichlorophenol	10.062	162	376879	62.992	ng	98
30) 1,2,4-Trichlorobenzene	10.180	180	399771	59.854	ng	99
31) Naphthalene	10.379	128	1251339	59.632	ng	99
32) Benzoic acid	9.956	122	252404	61.799	ng	97
33) 4-Chloroaniline	10.614	127	450607	61.064	ng	98
34) Hexachlorobutadiene	10.626	225	246491	59.876	ng	99
35) Caprolactam	11.431	113	138435m	63.087	ng	
36) 4-Chloro-3-methylphenol	11.795	107	407653	62.395	ng	100
37) 2-Methylnaphthalene	11.972	142	891616	59.822	ng	99
38) 1-Methylnaphthalene	12.201	142	886387	59.635	ng	100
40) 1,2,4,5-Tetrachloroben...	12.330	216	463055	60.888	ng	100
41) Hexachlorocyclopentadiene	12.312	237	153986	69.386	ng	98
43) 2,4,6-Trichlorophenol	12.653	196	325669	62.354	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101499.D
 Acq On : 6 Nov 2024 17:26
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

SSTDICC060

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:54:29 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Nov 06 23:45:11 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.759	196	367820	63.214	ng	99
46) 1,1'-Biphenyl	13.006	154	1182260	59.418	ng	98
47) 2-Chloronaphthalene	13.053	162	943815	60.141	ng	98
48) 2-Nitroaniline	13.388	65	270091	65.018	ng	100
49) Acenaphthylene	13.911	152	1409914	60.288	ng	99
50) Dimethylphthalate	13.687	163	1214282	59.116	ng	99
51) 2,6-Dinitrotoluene	13.828	165	292512	61.700	ng	96
52) Acenaphthene	14.245	154	870986	58.363	ng	100
53) 3-Nitroaniline	14.234	138	288330	62.646	ng	99
54) 2,4-Dinitrophenol	14.375	184	190052	68.407	ng	98
55) Dibenzofuran	14.586	168	1409742	58.661	ng	99
56) 4-Nitrophenol	14.663	139	255253	67.163	ng	98
57) 2,4-Dinitrotoluene	14.610	165	416878	62.590	ng	99
58) Fluorene	15.221	166	1166027	58.138	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.857	232	329672	61.230	ng	99
60) Diethylphthalate	15.015	149	1263117	58.321	ng	98
61) 4-Chlorophenyl-phenyle...	15.209	204	598677	58.783	ng	100
62) 4-Nitroaniline	15.432	138	316417	63.811	ng	99
63) Azobenzene	15.509	77	1040817	58.905	ng	98
65) 4,6-Dinitro-2-methylph...	15.356	198	262062	68.624	ng	99
66) n-Nitrosodiphenylamine	15.462	169	1028084	60.217	ng	100
67) 4-Bromophenyl-phenylether	16.096	248	434591	61.249	ng	96
68) Hexachlorobenzene	16.202	284	566929	60.711	ng	98
69) Atrazine	16.396	200	260631	51.707	ng	98
70) Pentachlorophenol	16.613	266	339404	66.986	ng	99
71) Phenanthrene	16.960	178	1827469	58.405	ng	100
72) Anthracene	17.042	178	1830883	59.253	ng	99
73) Carbazole	17.377	167	1828275	59.002	ng	98
74) Di-n-butylphthalate	17.818	149	2163927	56.549	ng	98
75) Fluoranthene	18.963	202	2235797	55.731	ng	98
77) Benzidine	19.222	184	1043586	67.443	ng	99
78) Pyrene	19.334	202	2319401	58.909	ng	97
80) Butylbenzylphthalate	20.180	149	1048588	59.263	ng	98
81) Benzo(a)anthracene	21.055	228	2320150	56.456	ng	97
82) 3,3'-Dichlorobenzidine	21.032	252	969247	59.912	ng	99
83) Chrysene	21.120	228	2180274	55.815	ng	98
84) Bis(2-ethylhexyl)phtha...	20.879	149	1522250	56.905	ng	97
85) Di-n-octyl phthalate	21.725	149	2496636	55.167	ng	100
87) Indeno(1,2,3-cd)pyrene	25.720	276	3656352	59.258	ng	100
88) Benzo(b)fluoranthene	22.659	252	2890510	58.678	ng	99
89) Benzo(k)fluoranthene	22.706	252	2522912	56.418	ng	99
90) Benzo(a)pyrene	23.264	252	2508694	58.988	ng	99
91) Dibenzo(a,h)anthracene	25.709	278	3012923	58.633	ng	100
92) Benzo(g,h,i)perylene	26.466	276	3129136	59.937	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101499.D
 Acq On : 6 Nov 2024 17:26
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

SSTDICC060

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024

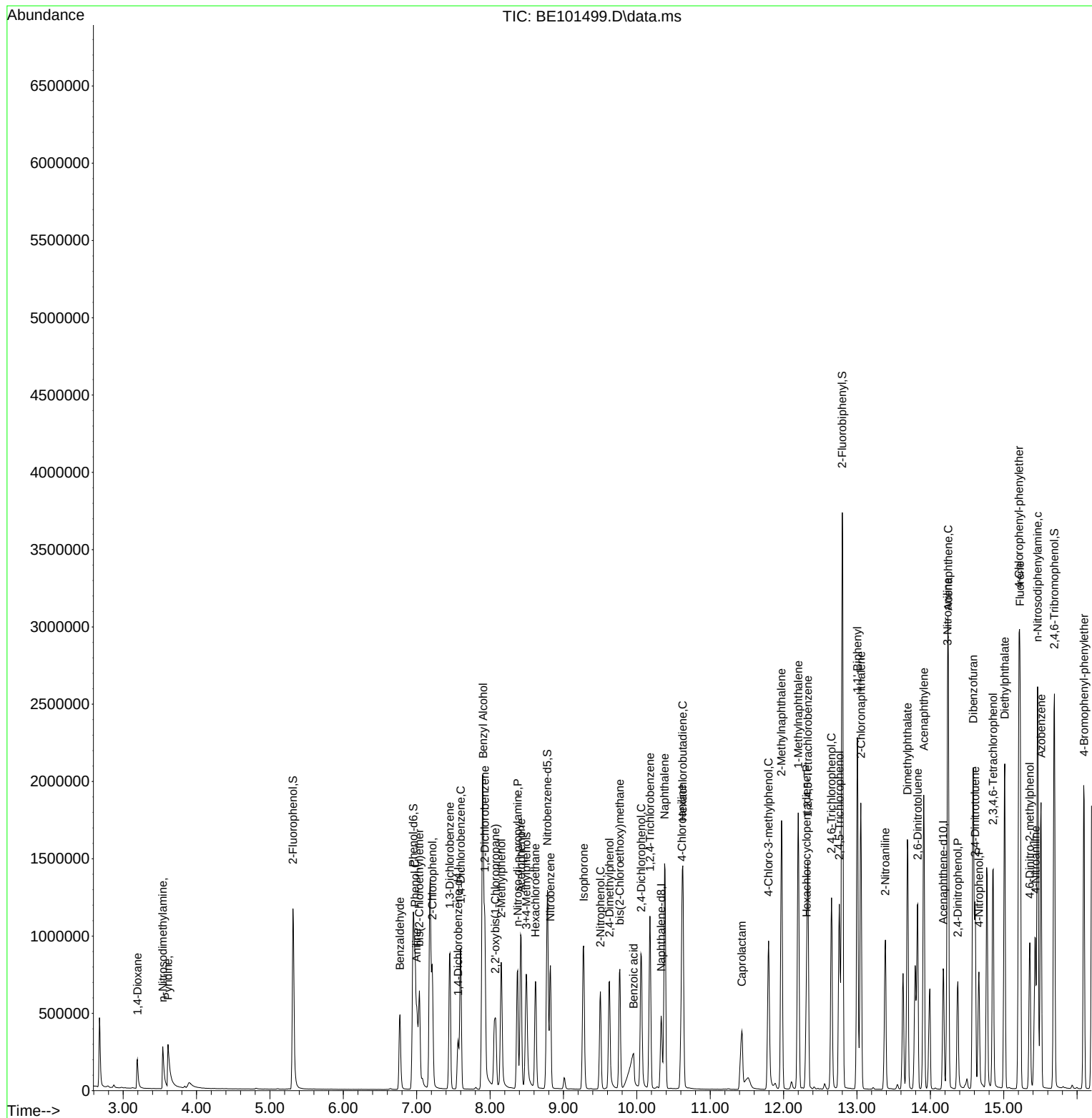
Quant Time: Nov 06 23:54:29 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Nov 06 23:45:11 2024

Response via : Initial Calibration



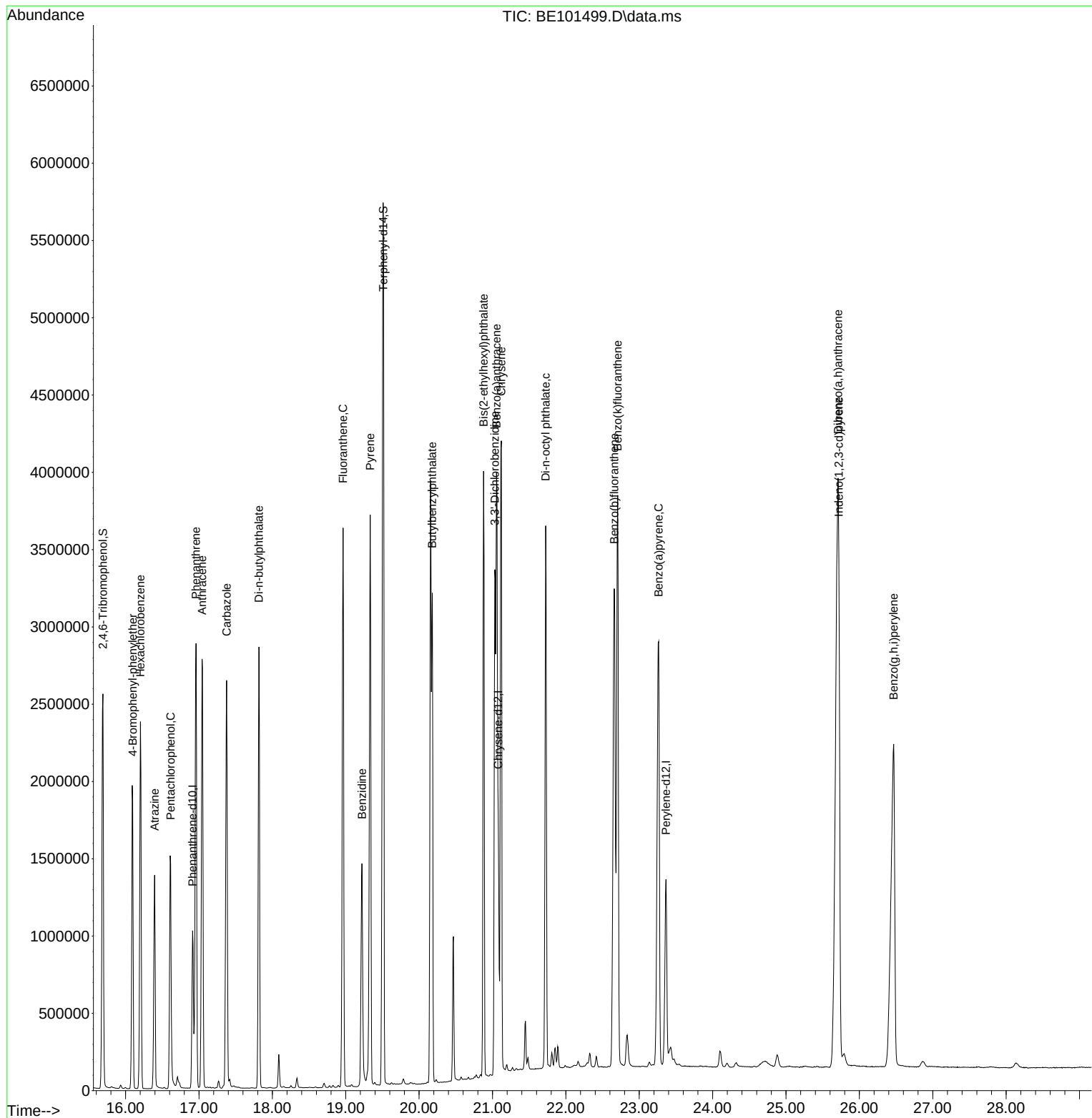
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101499.D
Acq On : 6 Nov 2024 17:26
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC060

Quant Time: Nov 06 23:54:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101500.D
 Acq On : 6 Nov 2024 18:02
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

SSTDICC080

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:55:40 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Nov 06 23:45:11 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.563	152	87885	20.000	ng	0.00
21) Naphthalene-d8	10.336	136	393569	20.000	ng	0.00
39) Acenaphthene-d10	14.179	164	266849	20.000	ng	0.00
64) Phenanthrene-d10	16.917	188	591022	20.000	ng	0.00
76) Chrysene-d12	21.083	240	646333	20.000	ng	0.00
86) Perylene-d12	23.362	264	861007	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.319	112	792721	159.489	ng	0.00
7) Phenol-d6	6.958	99	1090529	160.024	ng	0.01
23) Nitrobenzene-d5	8.785	82	985521	158.169	ng	0.01
42) 2,4,6-Tribromophenol	15.695	330	763174	151.988	ng	0.01
45) 2-Fluorobiphenyl	12.804	172	2348698	143.713	ng	0.00
79) Terphenyl-d14	19.514	244	3657495	125.262	ng	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.192	88	132821	71.808	ng	99
3) Pyridine	3.609	79	416786m	80.769	ng	
4) n-Nitrosodimethylamine	3.538	42	163173	79.874	ng	98
6) Aniline	7.005	93	288050	56.317	ng	95
8) 2-Chlorophenol	7.216	128	465269	79.011	ng	99
9) Benzaldehyde	6.770	77	190543	57.161	ng	100
10) Phenol	6.981	94	579806	78.163	ng	98
11) bis(2-Chloroethyl)ether	7.040	93	526156m	85.697	ng	
12) 1,3-Dichlorobenzene	7.452	146	484934	75.432	ng	100
13) 1,4-Dichlorobenzene	7.598	146	496300	76.219	ng	99
14) 1,2-Dichlorobenzene	7.927	146	484414	75.787	ng	99
15) Benzyl Alcohol	7.910	79	325630	81.800	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.074	45	550972	75.797	ng	100
17) 2-Methylphenol	8.157	107	394719	82.191	ng	99
18) Hexachloroethane	8.621	117	169920	77.271	ng	97
19) n-Nitroso-di-n-propyla...	8.374	70	350712	78.051	ng	99
20) 3+4-Methylphenols	8.497	107	538008	80.794	ng	97
22) Acetophenone	8.421	105	696705	78.167	ng	# 100
24) Nitrobenzene	8.826	77	520072	80.249	ng	99
25) Isophorone	9.273	82	951791	78.494	ng	99
26) 2-Nitrophenol	9.502	139	287810	83.451	ng	99
27) 2,4-Dimethylphenol	9.625	122	324765	81.383	ng	99
28) bis(2-Chloroethoxy)met...	9.766	93	581207	78.303	ng	99
29) 2,4-Dichlorophenol	10.060	162	462923	81.717	ng	99
30) 1,2,4-Trichlorobenzene	10.178	180	491943	77.789	ng	99
31) Naphthalene	10.383	128	1523338	76.669	ng	99
32) Benzoic acid	9.972	122	318691	80.102	ng	97
33) 4-Chloroaniline	10.618	127	525392	75.195	ng	98
34) Hexachlorobutadiene	10.630	225	303206	77.787	ng	98
35) Caprolactam	11.447	113	165929m	79.860	ng	
36) 4-Chloro-3-methylphenol	11.799	107	498667	80.610	ng	99
37) 2-Methylnaphthalene	11.976	142	1076148	76.256	ng	98
38) 1-Methylnaphthalene	12.205	142	1068220	75.902	ng	99
40) 1,2,4,5-Tetrachloroben...	12.334	216	560134	79.616	ng	100
41) Hexachlorocyclopentadiene	12.310	237	182012	88.654	ng	98
43) 2,4,6-Trichlorophenol	12.657	196	393917	81.527	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101500.D
 Acq On : 6 Nov 2024 18:02
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

SSTDICC080

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:55:40 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Nov 06 23:45:11 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.763	196	443094	82.315	ng	99
46) 1,1'-Biphenyl	13.010	154	1408589	76.525	ng	98
47) 2-Chloronaphthalene	13.057	162	1130911	77.897	ng	98
48) 2-Nitroaniline	13.386	65	322579	83.940	ng	98
49) Acenaphthylene	13.915	152	1670845	77.229	ng	98
50) Dimethylphthalate	13.691	163	1443483	75.964	ng	99
51) 2,6-Dinitrotoluene	13.832	165	351068	80.046	ng	96
52) Acenaphthene	14.244	154	1027003	74.388	ng	99
53) 3-Nitroaniline	14.238	138	334967	78.671	ng	96
54) 2,4-Dinitrophenol	14.379	184	232097	90.304	ng	98
55) Dibenzofuran	14.584	168	1674087	75.300	ng	97
56) 4-Nitrophenol	14.667	139	310060	88.189	ng	99
57) 2,4-Dinitrotoluene	14.614	165	497866	80.801	ng	99
58) Fluorene	15.225	166	1357969	73.190	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.855	232	396992	79.703	ng	100
60) Diethylphthalate	15.013	149	1491516	74.442	ng	98
61) 4-Chlorophenyl-phenyle...	15.207	204	700996	74.402	ng	98
62) 4-Nitroaniline	15.436	138	382870	83.463	ng	99
63) Azobenzene	15.507	77	1230254	75.264	ng	99
65) 4,6-Dinitro-2-methylph...	15.360	198	319525	91.076	ng	99
66) n-Nitrosodiphenylamine	15.466	169	1203171	76.709	ng	99
67) 4-Bromophenyl-phenylether	16.094	248	517626	79.408	ng	100
68) Hexachlorobenzene	16.206	284	669652	78.058	ng	99
69) Atrazine	16.400	200	306249	66.134	ng	98
70) Pentachlorophenol	16.611	266	414939	89.142	ng	99
71) Phenanthrene	16.964	178	2129724	74.089	ng	99
72) Anthracene	17.046	178	2098096	73.910	ng	97
73) Carbazole	17.375	167	2125374	74.660	ng	97
74) Di-n-butylphthalate	17.822	149	2523825	71.791	ng	98
75) Fluoranthene	18.967	202	2590854	70.297	ng	98
77) Benzidine	19.220	184	1136732	78.650	ng	99
78) Pyrene	19.338	202	2679442	72.859	ng	97
80) Butylbenzylphthalate	20.178	149	1225752	74.168	ng	96
81) Benzo(a)anthracene	21.059	228	2689718	70.070	ng	96
82) 3,3'-Dichlorobenzidine	21.036	252	1134917	75.107	ng	99
83) Chrysene	21.118	228	2530820	69.364	ng	96
84) Bis(2-ethylhexyl)phtha...	20.883	149	1773835	70.992	ng	# 96
85) Di-n-octyl phthalate	21.729	149	2894015	68.464	ng	99
87) Indeno(1,2,3-cd)pyrene	25.730	276	4442725	75.086	ng	100
88) Benzo(b)fluoranthene	22.663	252	3491271	73.908	ng	98
89) Benzo(k)fluoranthene	22.710	252	2925504	68.222	ng	98
90) Benzo(a)pyrene	23.268	252	3021625	74.091	ng	99
91) Dibenzo(a,h)anthracene	25.718	278	3606206	73.183	ng	100
92) Benzo(g,h,i)perylene	26.476	276	3833323	76.570	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101500.D
 Acq On : 6 Nov 2024 18:02
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

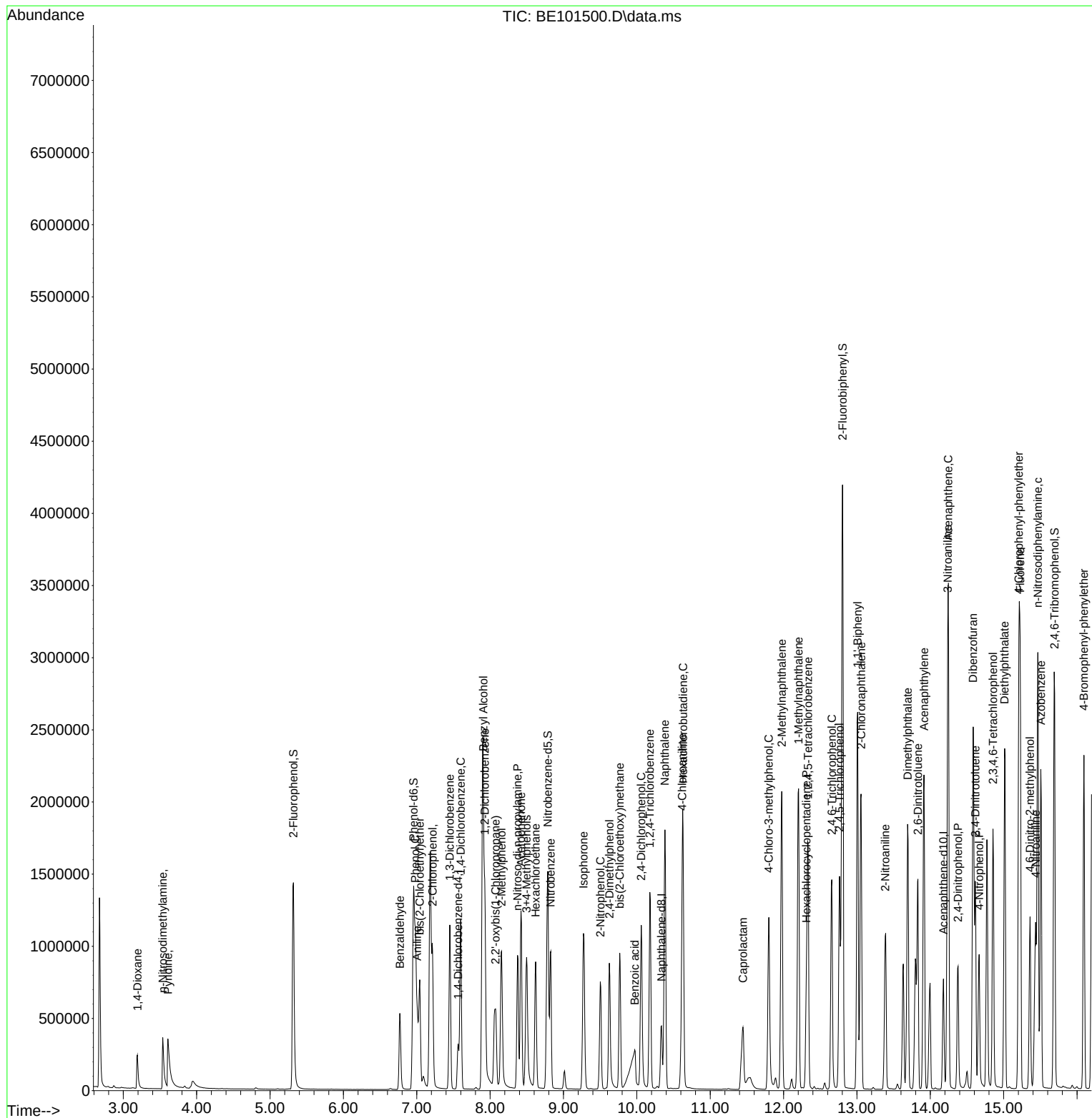
SSTDICC080

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:55:40 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 23:45:11 2024
 Response via : Initial Calibration



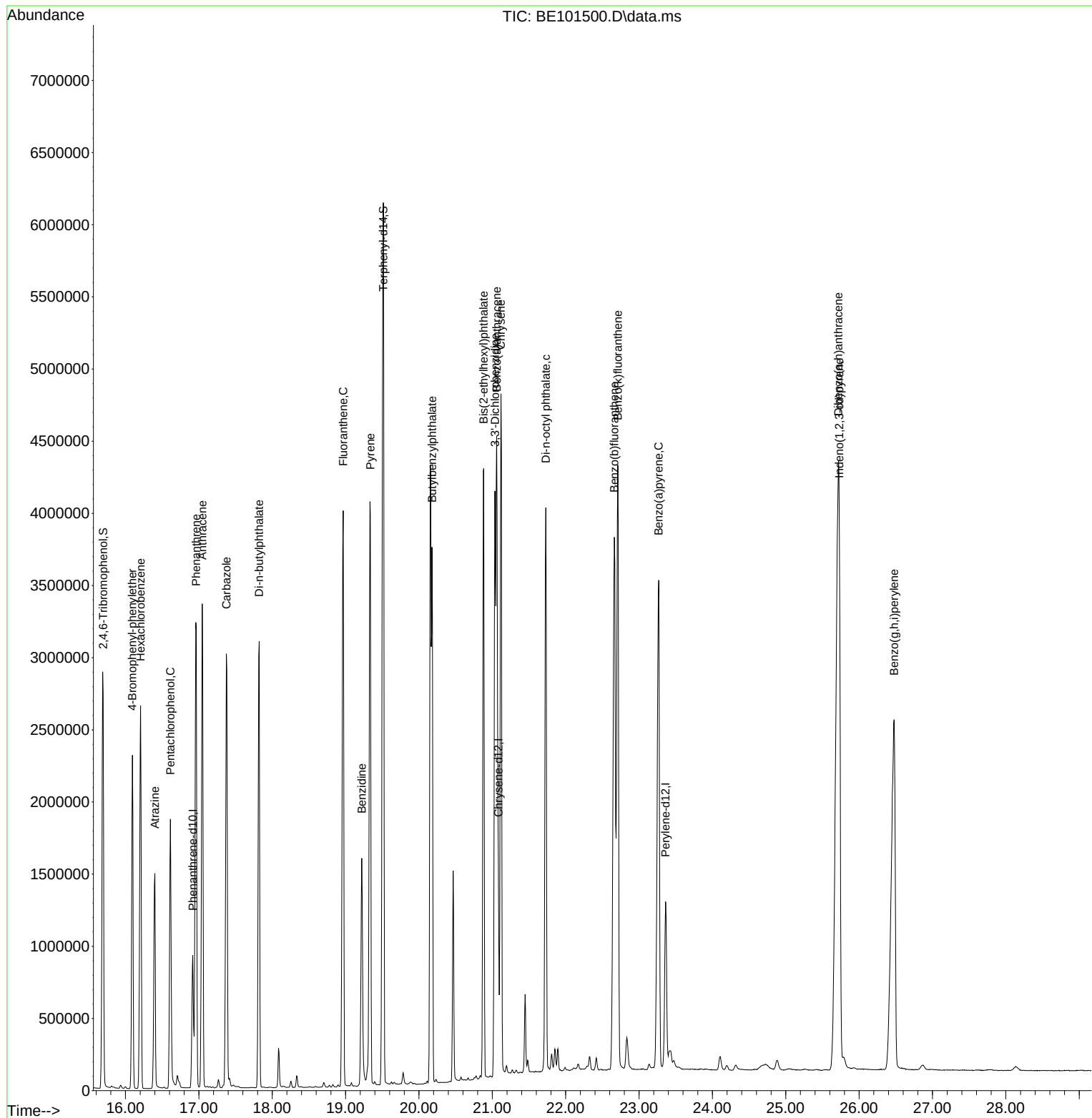
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101500.D
Acq On : 6 Nov 2024 18:02
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC080

Quant Time: Nov 06 23:55:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101501.D
 Acq On : 6 Nov 2024 18:41
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

ICVBE110624

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 07 00:03:03 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Nov 07 00:01:20 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.565	152	66495	20.000	ng	0.00
21) Naphthalene-d8	10.332	136	305529	20.000	ng	0.00
39) Acenaphthene-d10	14.174	164	214125	20.000	ng	0.00
64) Phenanthrene-d10	16.912	188	492741	20.000	ng	0.00
76) Chrysene-d12	21.072	240	575039	20.000	ng	0.00
86) Perylene-d12	23.358	264	751306	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.314	112	295905	78.684	ng	0.00
7) Phenol-d6	6.948	99	408365	79.200	ng	0.00
23) Nitrobenzene-d5	8.775	82	384623	79.517	ng	0.00
42) 2,4,6-Tribromophenol	15.684	330	318753	79.111	ng	0.00
45) 2-Fluorobiphenyl	12.800	172	1043690	79.586	ng	0.00
79) Terphenyl-d14	19.503	244	2033696	78.285	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.193	88	55275	39.497	ng	100
3) Pyridine	3.616	79	151841m	38.795	ng	
4) n-Nitrosodimethylamine	3.540	42	60866	39.271	ng	99
6) Aniline	7.000	93	170754	44.123	ng	99
8) 2-Chlorophenol	7.206	128	175134	39.308	ng	99
9) Benzaldehyde	6.765	77	111557	44.231	ng	98
10) Phenol	6.971	94	225186	40.122	ng	99
11) bis(2-Chloroethyl)ether	7.030	93	170339m	36.662	ng	
12) 1,3-Dichlorobenzene	7.447	146	189336	38.925	ng	98
13) 1,4-Dichlorobenzene	7.594	146	190702	38.708	ng	99
14) 1,2-Dichlorobenzene	7.923	146	188221	38.920	ng	99
15) Benzyl Alcohol	7.905	79	122453	40.656	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.064	45	214663	39.031	ng	99
17) 2-Methylphenol	8.152	107	149753	41.213	ng	98
18) Hexachloroethane	8.616	117	65058	39.102	ng	98
19) n-Nitroso-di-n-propyla...	8.364	70	135908	39.976	ng	98
20) 3+4-Methylphenols	8.487	107	202548	40.202	ng	99
22) Acetophenone	8.416	105	271118	39.183	ng	# 99
24) Nitrobenzene	8.816	77	199671	39.688	ng	99
25) Isophorone	9.263	82	373587	39.688	ng	98
26) 2-Nitrophenol	9.503	139	107373	40.104	ng	97
27) 2,4-Dimethylphenol	9.621	122	121865	39.338	ng	99
28) bis(2-Chloroethoxy)met...	9.762	93	224407	38.945	ng	99
29) 2,4-Dichlorophenol	10.056	162	175757	39.965	ng	98
30) 1,2,4-Trichlorobenzene	10.173	180	189081	38.514	ng	99
31) Naphthalene	10.379	128	601027	38.966	ng	100
32) Benzoic acid	9.903	122	103366	37.459	ng	97
33) 4-Chloroaniline	10.602	127	222628	41.044	ng	98
34) Hexachlorobutadiene	10.626	225	116815	38.605	ng	98
35) Caprolactam	11.389	113	64308	39.820	ng	94
36) 4-Chloro-3-methylphenol	11.789	107	190903	39.752	ng	99
37) 2-Methylnaphthalene	11.971	142	427137	38.989	ng	99
38) 1-Methylnaphthalene	12.194	142	425569	38.952	ng	100
40) 1,2,4,5-Tetrachloroben...	12.330	216	219009	38.795	ng	100
41) Hexachlorocyclopentadiene	12.306	237	66704	40.490	ng	99
43) 2,4,6-Trichlorophenol	12.647	196	153962	39.711	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101501.D
 Acq On : 6 Nov 2024 18:41
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

ICVBE110624

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 07 00:03:03 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Nov 07 00:01:20 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.753	196	173702	40.215	ng	98
46) 1,1'-Biphenyl	12.999	154	580150	39.279	ng	99
47) 2-Chloronaphthalene	13.046	162	454969	39.055	ng	100
48) 2-Nitroaniline	13.381	65	127196	41.248	ng	98
49) Acenaphthylene	13.904	152	684349	39.420	ng	98
50) Dimethylphthalate	13.681	163	598096	39.225	ng	100
51) 2,6-Dinitrotoluene	13.816	165	141344	40.163	ng	98
52) Acenaphthene	14.239	154	435101	39.275	ng	99
53) 3-Nitroaniline	14.227	138	141323	41.364	ng	99
54) 2,4-Dinitrophenol	14.362	184	81552	39.543	ng	96
55) Dibenzofuran	14.580	168	692667	38.827	ng	100
56) 4-Nitrophenol	14.650	139	120392	42.674	ng	96
57) 2,4-Dinitrotoluene	14.603	165	198173	40.082	ng	100
58) Fluorene	15.220	166	586503	39.394	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.850	232	157167	39.324	ng	99
60) Diethylphthalate	15.003	149	629271	39.140	ng	100
61) 4-Chlorophenyl-phenyle...	15.203	204	293483	38.819	ng	99
62) 4-Nitroaniline	15.414	138	150527	40.894	ng	99
63) Azobenzene	15.502	77	515371	39.292	ng	99
65) 4,6-Dinitro-2-methylph...	15.350	198	117499	40.171	ng	98
66) n-Nitrosodiphenylamine	15.455	169	510181	39.015	ng	100
67) 4-Bromophenyl-phenylether	16.090	248	209657	38.578	ng	99
68) Hexachlorobenzene	16.201	284	278570	38.948	ng	99
69) Atrazine	16.389	200	168686	43.693	ng	97
70) Pentachlorophenol	16.607	266	162102	41.771	ng	99
71) Phenanthrene	16.953	178	934044	38.975	ng	99
72) Anthracene	17.042	178	929840	39.289	ng	100
73) Carbazole	17.371	167	936279	39.450	ng	99
74) Di-n-butylphthalate	17.817	149	1166355	39.795	ng	100
75) Fluoranthene	18.957	202	1215918	39.571	ng	99
77) Benzidine	19.216	184	495810	40.139	ng	100
78) Pyrene	19.327	202	1277720	39.051	ng	100
80) Butylbenzylphthalate	20.173	149	578489	39.343	ng	98
81) Benzo(a)anthracene	21.055	228	1359165	39.798	ng	100
82) 3,3'-Dichlorobenzidine	21.025	252	541433	40.273	ng	96
83) Chrysene	21.107	228	1274981	39.277	ng	100
84) Bis(2-ethylhexyl)phtha...	20.878	149	867309	39.015	ng	99
85) Di-n-octyl phthalate	21.724	149	1479070	39.329	ng	99
87) Indeno(1,2,3-cd)pyrene	25.690	276	1998085	38.700	ng	100
88) Benzo(b)fluoranthene	22.653	252	1545976	37.506	ng	99
89) Benzo(k)fluoranthene	22.694	252	1492841	39.896	ng	100
90) Benzo(a)pyrene	23.252	252	1374652	38.628	ng	100
91) Dibenzo(a,h)anthracene	25.679	278	1660639	38.621	ng	100
92) Benzo(g,h,i)perylene	26.442	276	1678161	38.415	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101501.D
Acq On : 6 Nov 2024 18:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

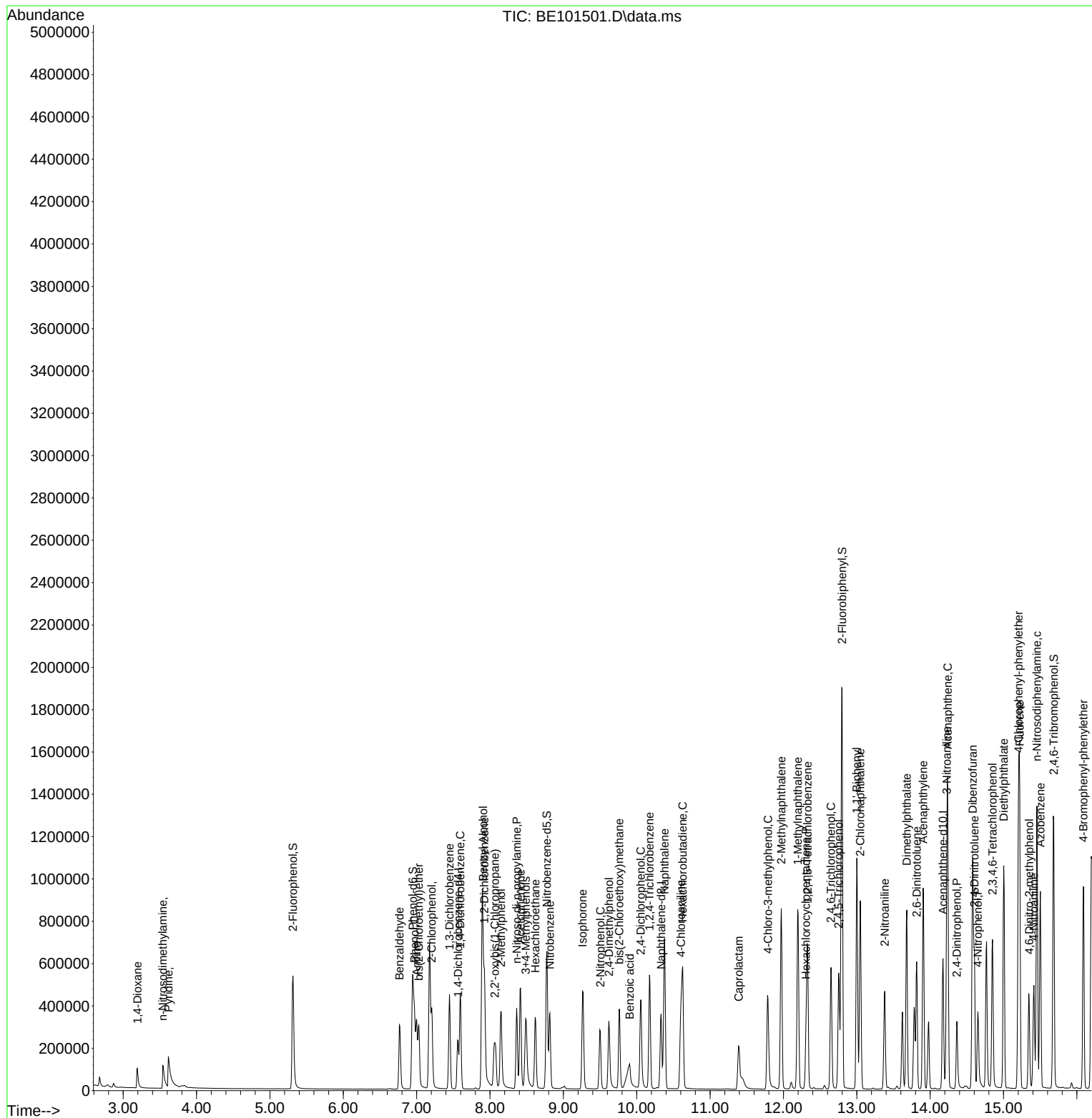
ICVBE110624

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 07 00:03:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration



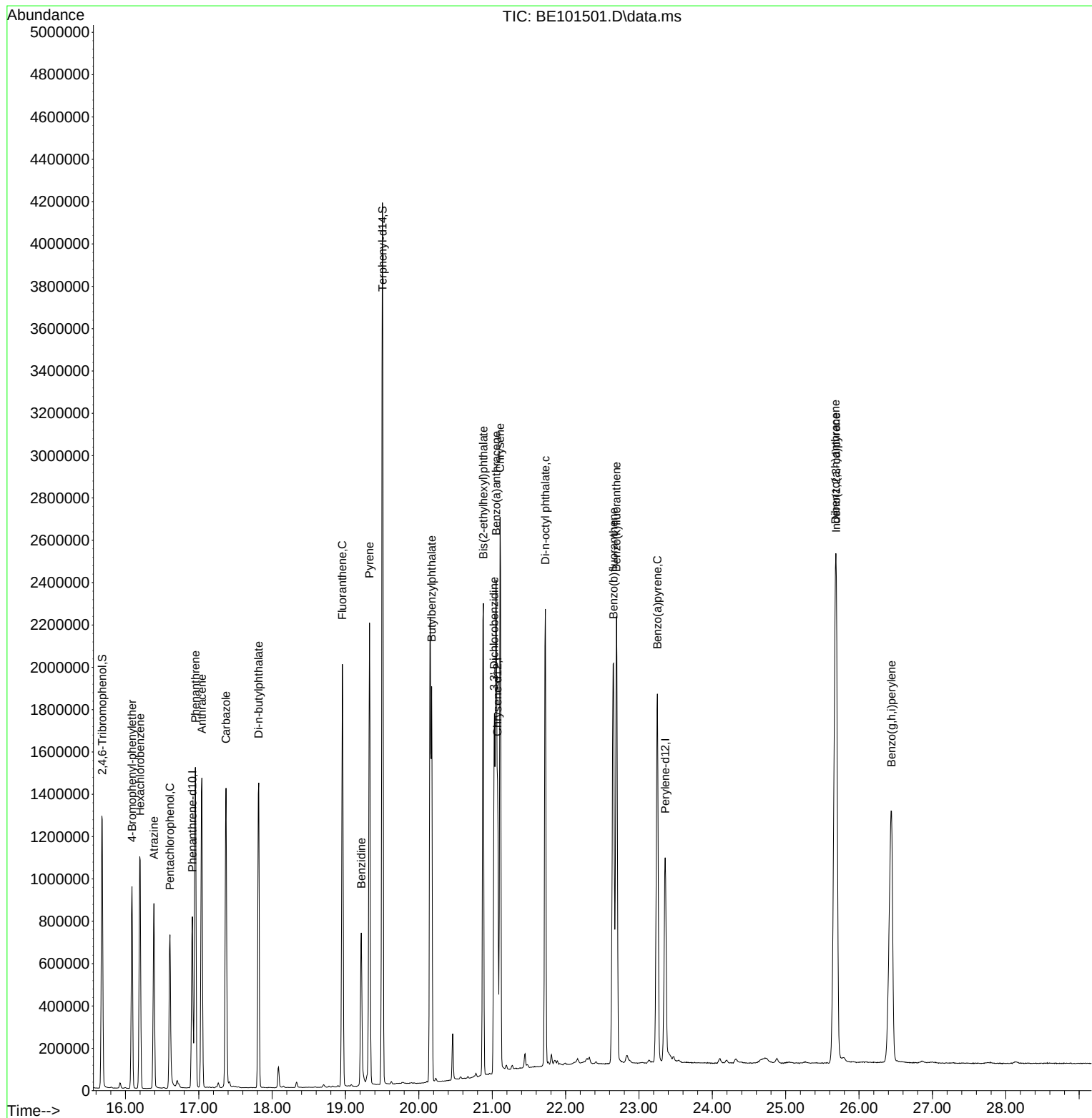
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101501.D
Acq On : 6 Nov 2024 18:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE110624

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 07 00:03:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101501.D
 Acq On : 6 Nov 2024 18:41
 Operator : RC/JU
 Sample : SSTDICV040
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 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE110624

Quant Time: Nov 07 00:03:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 07 00:01:20 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	102	0.00
2	1,4-Dioxane	0.421	0.416	1.2	104	0.00
3	Pyridine	1.177	1.142	3.0	101	0.00
4	n-Nitrosodimethylamine	0.466	0.458	1.7	104	0.00
5 S	2-Fluorophenol	1.131	1.113	1.6	103	0.00
6	Aniline	1.164	1.284	-10.3	95	0.00
7 S	Phenol-d6	1.551	1.535	1.0	101	0.00
8	2-Chlorophenol	1.340	1.317	1.7	102	0.00
9	Benzaldehyde	0.759	0.839	-10.5	111	0.00
10 C	Phenol	1.688	1.693	-0.3	103	0.00
11	bis(2-Chloroethyl)ether	1.397	1.281	8.3	112	0.00
12	1,3-Dichlorobenzene	1.463	1.424	2.7	102	0.00
13 C	1,4-Dichlorobenzene	1.482	1.434	3.2	101	0.00
14	1,2-Dichlorobenzene	1.455	1.415	2.7	101	0.00
15	Benzyl Alcohol	0.906	0.921	-1.7	102	0.00
16	2,2'-oxybis(1-Chloropropane	1.654	1.614	2.4	101	0.00
17	2-Methylphenol	1.093	1.126	-3.0	103	0.00
18	Hexachloroethane	0.500	0.489	2.2	103	0.00
19 P	n-Nitroso-di-n-propylamine	1.023	1.022	0.1	101	0.00
20	3+4-Methylphenols	1.515	1.523	-0.5	102	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	101	0.00
22	Acetophenone	0.453	0.444	2.0	101	0.00
23 S	Nitrobenzene-d5	0.317	0.315	0.6	101	0.00
24	Nitrobenzene	0.329	0.327	0.6	102	0.00
25	Isophorone	0.616	0.611	0.8	101	0.00
26 C	2-Nitrophenol	0.175	0.176	-0.6	102	0.00
27	2,4-Dimethylphenol	0.203	0.199	2.0	102	0.00
28	bis(2-Chloroethoxy)methane	0.377	0.367	2.7	100	0.00
29 C	2,4-Dichlorophenol	0.288	0.288	0.0	102	0.00
30	1,2,4-Trichlorobenzene	0.321	0.309	3.7	100	0.00
31	Naphthalene	1.010	0.984	2.6	101	0.00
32	Benzoic acid	0.168	0.169	-0.6	103	0.00
33	4-Chloroaniline	0.355	0.364	-2.5	102	0.00
34 C	Hexachlorobutadiene	0.198	0.191	3.5	100	0.00
35	Caprolactam	0.106	0.105	0.9	99	0.00
36 C	4-Chloro-3-methylphenol	0.314	0.312	0.6	101	0.00
37	2-Methylnaphthalene	0.717	0.699	2.5	100	0.00
38	1-Methylnaphthalene	0.715	0.696	2.7	101	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	99	0.00
40	1,2,4,5-Tetrachlorobenzene	0.527	0.511	3.0	99	0.00
41 P	Hexachlorocyclopentadiene	0.154	0.156	-1.3	93	0.00
42 S	2,4,6-Tribromophenol	0.376	0.372	1.1	100	0.00
43 C	2,4,6-Trichlorophenol	0.362	0.360	0.6	100	0.00
44	2,4,5-Trichlorophenol	0.403	0.406	-0.7	101	0.00
45 S	2-Fluorobiphenyl	1.225	1.219	0.5	101	0.00
46	1,1'-Biphenyl	1.380	1.355	1.8	101	0.00
47	2-Chloronaphthalene	1.088	1.062	2.4	100	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101501.D
 Acq On : 6 Nov 2024 18:41
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE110624

Quant Time: Nov 07 00:03:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 07 00:01:20 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	0.288	0.297	-3.1	102	0.00
49	Acenaphthylene	1.622	1.598	1.5	100	0.00
50	Dimethylphthalate	1.424	1.397	1.9	100	0.00
51	2,6-Dinitrotoluene	0.329	0.330	-0.3	101	0.00
52 C	Acenaphthene	1.035	1.016	1.8	100	0.00
53	3-Nitroaniline	0.319	0.330	-3.4	100	0.00
54 P	2,4-Dinitrophenol	0.193	0.190	1.6	98	0.00
55	Dibenzofuran	1.666	1.617	2.9	100	0.00
56 P	4-Nitrophenol	0.264	0.281	-6.4	102	0.00
57	2,4-Dinitrotoluene	0.462	0.463	-0.2	100	0.00
58	Fluorene	1.391	1.370	1.5	100	0.00
59	2,3,4,6-Tetrachlorophenol	0.373	0.367	1.6	99	0.00
60	Diethylphthalate	1.502	1.469	2.2	100	0.00
61	4-Chlorophenyl-phenylether	0.706	0.685	3.0	99	0.00
62	4-Nitroaniline	0.344	0.351	-2.0	100	0.00
63	Azobenzene	1.225	1.203	1.8	100	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
65	4,6-Dinitro-2-methylphenol	0.119	0.119	0.0	97	0.00
66 c	n-Nitrosodiphenylamine	0.531	0.518	2.4	100	0.00
67	4-Bromophenyl-phenylether	0.221	0.213	3.6	99	0.00
68	Hexachlorobenzene	0.290	0.283	2.4	100	0.00
69	Atrazine	0.157	0.171	-8.9	100	0.00
70 C	Pentachlorophenol	0.158	0.164	-3.8	102	0.00
71	Phenanthrene	0.973	0.948	2.6	101	0.00
72	Anthracene	0.961	0.944	1.8	100	0.00
73	Carbazole	0.963	0.950	1.3	101	0.00
74	Di-n-butylphthalate	1.190	1.184	0.5	101	0.00
75 C	Fluoranthene	1.247	1.234	1.0	102	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	105	0.00
77	Benzidine	0.430	0.431	-0.2	112	0.00
78	Pyrene	1.138	1.111	2.4	103	0.00
79 S	Terphenyl-d14	0.904	0.884	2.2	102	0.00
80	Butylbenzylphthalate	0.511	0.503	1.6	104	0.00
81	Benzo(a)anthracene	1.188	1.182	0.5	106	0.00
82	3,3'-Dichlorobenzidine	0.468	0.471	-0.6	105	0.00
83	Chrysene	1.129	1.109	1.8	104	0.00
84	Bis(2-ethylhexyl)phthalate	0.773	0.754	2.5	104	0.00
85 c	Di-n-octyl phthalate	1.308	1.286	1.7	105	0.00
86 I	Perylene-d12	1.000	1.000	0.0	105	0.00
87	Indeno(1,2,3-cd)pyrene	1.374	1.330	3.2	103	0.00
88	Benzo(b)fluoranthene	1.097	1.029	6.2	102	0.00
89	Benzo(k)fluoranthene	0.996	0.993	0.3	107	0.00
90 C	Benzo(a)pyrene	0.947	0.915	3.4	104	0.00
91	Dibenzo(a,h)anthracene	1.145	1.105	3.5	103	0.00
92	Benzo(g,h,i)perylene	1.163	1.117	4.0	103	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101501.D
Acq On : 6 Nov 2024 18:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE110624

Quant Time: Nov 07 00:03:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 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)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101501.D
 Acq On : 6 Nov 2024 18:41
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE110624

Quant Time: Nov 07 00:03:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 07 00:01:20 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	102	0.00
2	1,4-Dioxane	40.000	39.497	1.3	104	0.00
3	Pyridine	40.000	38.795	3.0	101	0.00
4	n-Nitrosodimethylamine	40.000	39.271	1.8	104	0.00
5 S	2-Fluorophenol	80.000	78.684	1.6	103	0.00
6	Aniline	40.000	44.123	-10.3	95	0.00
7 S	Phenol-d6	80.000	79.200	1.0	101	0.00
8	2-Chlorophenol	40.000	39.308	1.7	102	0.00
9	Benzaldehyde	40.000	44.231	-10.6	111	0.00
10 C	Phenol	40.000	40.122	-0.3	103	0.00
11	bis(2-Chloroethyl)ether	40.000	36.662	8.3	112	0.00
12	1,3-Dichlorobenzene	40.000	38.925	2.7	102	0.00
13 C	1,4-Dichlorobenzene	40.000	38.708	3.2	101	0.00
14	1,2-Dichlorobenzene	40.000	38.920	2.7	101	0.00
15	Benzyl Alcohol	40.000	40.656	-1.6	102	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	39.031	2.4	101	0.00
17	2-Methylphenol	40.000	41.213	-3.0	103	0.00
18	Hexachloroethane	40.000	39.102	2.2	103	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.976	0.1	101	0.00
20	3+4-Methylphenols	40.000	40.202	-0.5	102	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	101	0.00
22	Acetophenone	40.000	39.183	2.0	101	0.00
23 S	Nitrobenzene-d5	80.000	79.517	0.6	101	0.00
24	Nitrobenzene	40.000	39.688	0.8	102	0.00
25	Isophorone	40.000	39.688	0.8	101	0.00
26 C	2-Nitrophenol	40.000	40.104	-0.3	102	0.00
27	2,4-Dimethylphenol	40.000	39.338	1.7	102	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.945	2.6	100	0.00
29 C	2,4-Dichlorophenol	40.000	39.965	0.1	102	0.00
30	1,2,4-Trichlorobenzene	40.000	38.514	3.7	100	0.00
31	Naphthalene	40.000	38.966	2.6	101	0.00
32	Benzoic acid	40.000	37.459	6.4	103	0.00
33	4-Chloroaniline	40.000	41.044	-2.6	102	0.00
34 C	Hexachlorobutadiene	40.000	38.605	3.5	100	0.00
35	Caprolactam	40.000	39.820	0.4	99	0.00
36 C	4-Chloro-3-methylphenol	40.000	39.752	0.6	101	0.00
37	2-Methylnaphthalene	40.000	38.989	2.5	100	0.00
38	1-Methylnaphthalene	40.000	38.952	2.6	101	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	99	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	38.795	3.0	99	0.00
41 P	Hexachlorocyclopentadiene	40.000	40.490	-1.2	93	0.00
42 S	2,4,6-Tribromophenol	80.000	79.111	1.1	100	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.711	0.7	100	0.00
44	2,4,5-Trichlorophenol	40.000	40.215	-0.5	101	0.00
45 S	2-Fluorobiphenyl	80.000	79.586	0.5	101	0.00
46	1,1'-Biphenyl	40.000	39.279	1.8	101	0.00
47	2-Chloronaphthalene	40.000	39.055	2.4	100	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101501.D
 Acq On : 6 Nov 2024 18:41
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE110624

Quant Time: Nov 07 00:03:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 07 00:01:20 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	41.248	-3.1	102	0.00
49	Acenaphthylene	40.000	39.420	1.4	100	0.00
50	Dimethylphthalate	40.000	39.225	1.9	100	0.00
51	2,6-Dinitrotoluene	40.000	40.163	-0.4	101	0.00
52 C	Acenaphthene	40.000	39.275	1.8	100	0.00
53	3-Nitroaniline	40.000	41.364	-3.4	100	0.00
54 P	2,4-Dinitrophenol	40.000	39.543	1.1	98	0.00
55	Dibenzofuran	40.000	38.827	2.9	100	0.00
56 P	4-Nitrophenol	40.000	42.674	-6.7	102	0.00
57	2,4-Dinitrotoluene	40.000	40.082	-0.2	100	0.00
58	Fluorene	40.000	39.394	1.5	100	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	39.324	1.7	99	0.00
60	Diethylphthalate	40.000	39.140	2.1	100	0.00
61	4-Chlorophenyl-phenylether	40.000	38.819	3.0	99	0.00
62	4-Nitroaniline	40.000	40.894	-2.2	100	0.00
63	Azobenzene	40.000	39.292	1.8	100	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	100	0.00
65	4,6-Dinitro-2-methylphenol	40.000	40.171	-0.4	97	0.00
66 c	n-Nitrosodiphenylamine	40.000	39.015	2.5	100	0.00
67	4-Bromophenyl-phenylether	40.000	38.578	3.6	99	0.00
68	Hexachlorobenzene	40.000	38.948	2.6	100	0.00
69	Atrazine	40.000	43.693	-9.2	100	0.00
70 C	Pentachlorophenol	40.000	41.771	-4.4	102	0.00
71	Phenanthrene	40.000	38.975	2.6	101	0.00
72	Anthracene	40.000	39.289	1.8	100	0.00
73	Carbazole	40.000	39.450	1.4	101	0.00
74	Di-n-butylphthalate	40.000	39.795	0.5	101	0.00
75 C	Fluoranthene	40.000	39.571	1.1	102	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	105	0.00
77	Benzydine	40.000	40.139	-0.3	112	0.00
78	Pyrene	40.000	39.051	2.4	103	0.00
79 S	Terphenyl-d14	80.000	78.285	2.1	102	0.00
80	Butylbenzylphthalate	40.000	39.343	1.6	104	0.00
81	Benzo(a)anthracene	40.000	39.798	0.5	106	0.00
82	3,3'-Dichlorobenzidine	40.000	40.273	-0.7	105	0.00
83	Chrysene	40.000	39.277	1.8	104	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	39.015	2.5	104	0.00
85 c	Di-n-octyl phthalate	40.000	39.329	1.7	105	0.00
86 I	Perylene-d12	20.000	20.000	0.0	105	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	38.700	3.2	103	0.00
88	Benzo(b)fluoranthene	40.000	37.506	6.2	102	0.00
89	Benzo(k)fluoranthene	40.000	39.896	0.3	107	0.00
90 C	Benzo(a)pyrene	40.000	38.628	3.4	104	0.00
91	Dibenzo(a,h)anthracene	40.000	38.621	3.4	103	0.00
92	Benzo(g,h,i)perylene	40.000	38.415	4.0	103	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101501.D
Acq On : 6 Nov 2024 18:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE110624

Quant Time: Nov 07 00:03:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 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)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG No.: P4660

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
Pyridine	1.204	1.211		0.6	
2-Fluorophenol	1.141	1.115		-2.3	
Phenol-d6	1.582	1.603		1.3	
1,4-Dichlorobenzene	1.507	1.451		-3.7	20.0
2-Methylphenol	1.162	1.145		-1.5	
3+4-Methylphenols	1.604	1.605		0.1	
Nitrobenzene-d5	0.318	0.318		0.0	
Hexachloroethane	0.492	0.495		0.6	
Nitrobenzene	0.339	0.335		-1.2	
Hexachlorobutadiene	0.184	0.190		3.3	20.0
2,4,6-Trichlorophenol	0.346	0.362		4.6	20.0
2-Fluorobiphenyl	1.181	1.226		3.8	
2,4,5-Trichlorophenol	0.396	0.411		3.8	
2,4-Dinitrotoluene	0.449	0.469		4.5	
2,4,6-Tribromophenol	0.351	0.367		4.6	
Hexachlorobenzene	0.276	0.285		3.3	
Pentachlorophenol	0.159	0.168		5.7	20.0
Terphenyl-d14	0.869	0.916		5.4	

All other compounds must meet a minimum RRF of 0.010.

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

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)
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

Instrument :

BNA_E

ClientSampleId :

SSTDCCC040

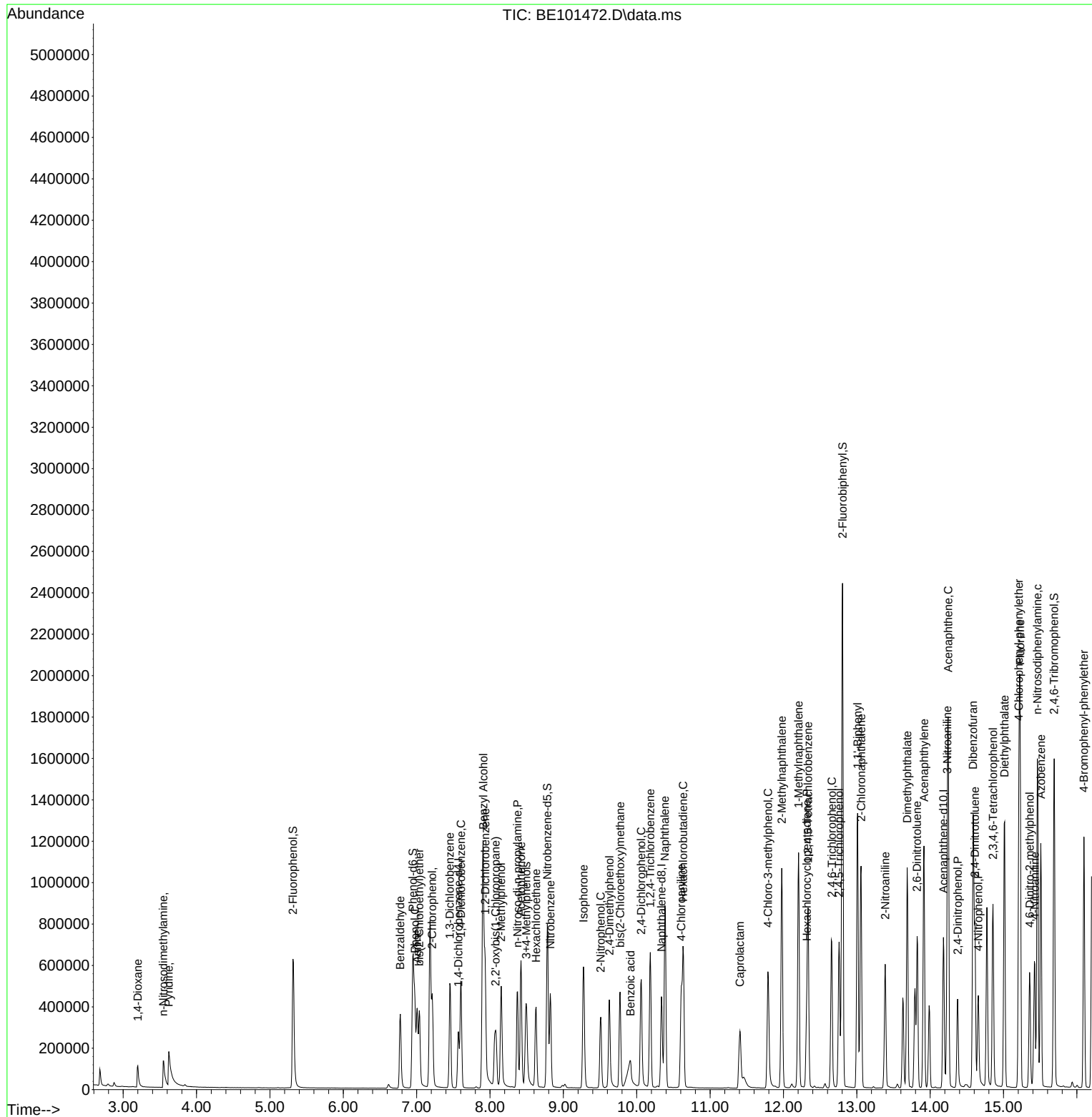
Manual Integrations

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



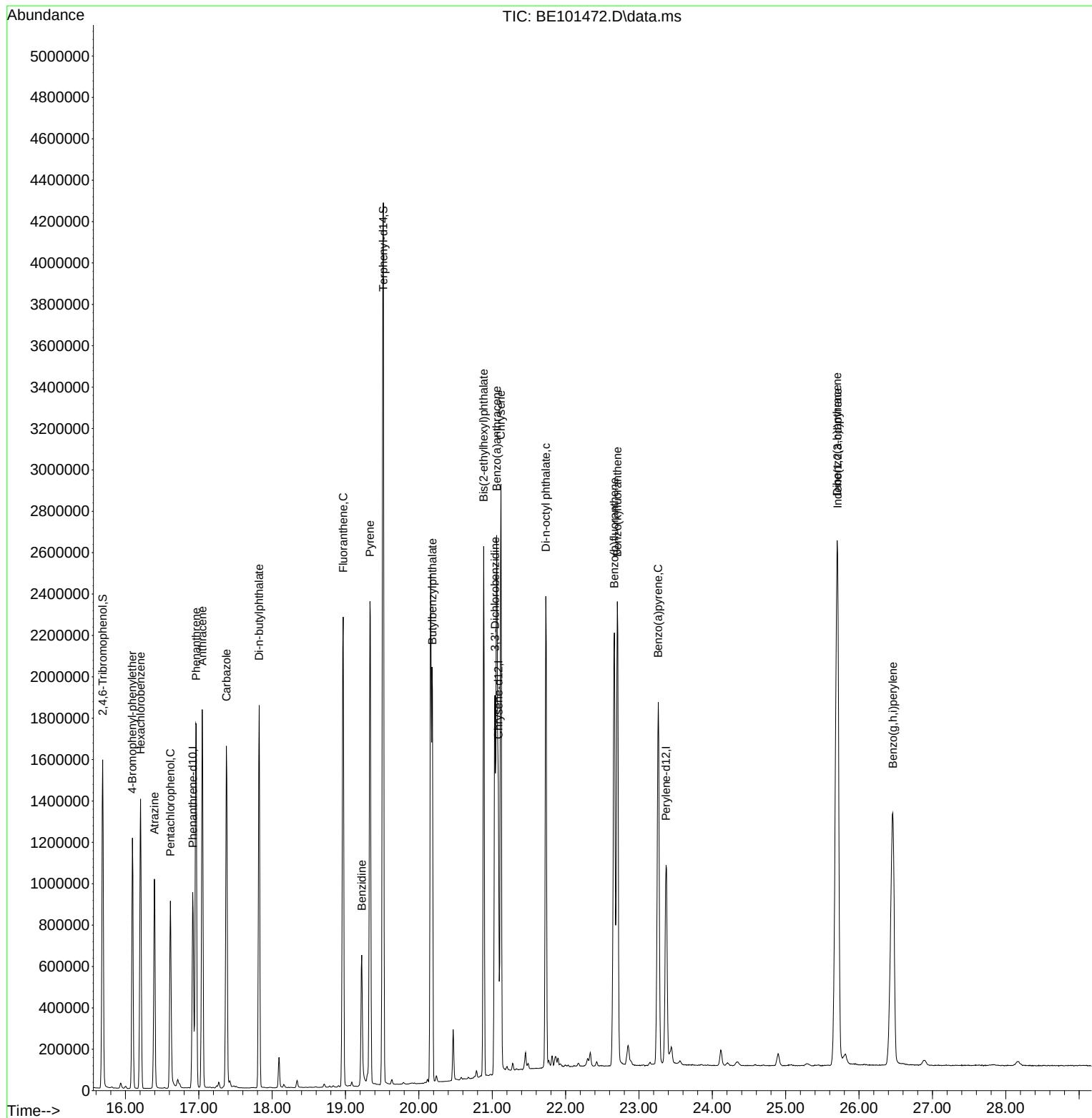
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
Data File : BE101472.D
Acq On : 5 Nov 2024 10:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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
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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
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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

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	Benzydine	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

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)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 1

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

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	Benzydine	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

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)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 1



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG No.: P4660

Instrument ID: BNA_E Calibration Date/Time: 11/06/2024 16:14

Lab File ID: BE101497.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.177	1.154		-2.0	
2-Fluorophenol	1.131	1.101		-2.7	
Phenol-d6	1.551	1.540		-0.7	
1,4-Dichlorobenzene	1.482	1.444		-2.6	20.0
2-Methylphenol	1.093	1.113		1.8	
3+4-Methylphenols	1.515	1.524		0.6	
Nitrobenzene-d5	0.317	0.312		-1.6	
Hexachloroethane	0.500	0.484		-3.2	
Nitrobenzene	0.329	0.324		-1.5	
Hexachlorobutadiene	0.198	0.192		-3.0	20.0
2,4,6-Trichlorophenol	0.362	0.358		-1.1	20.0
2-Fluorobiphenyl	1.225	1.204		-1.7	
2,4,5-Trichlorophenol	0.403	0.401		-0.7	
2,4-Dinitrotoluene	0.462	0.460		-0.4	
2,4,6-Tribromophenol	0.376	0.369		-1.9	
Hexachlorobenzene	0.290	0.282		-2.8	
Pentachlorophenol	0.158	0.162		2.5	20.0
Terphenyl-d14	0.904	0.902		-0.2	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101497.D
 Acq On : 6 Nov 2024 16:14
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:52:01 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 23:45:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.563	152	65428	20.000	ng	0.00
21) Naphthalene-d8	10.331	136	303330	20.000	ng	0.00
39) Acenaphthene-d10	14.173	164	215457	20.000	ng	0.00
64) Phenanthrene-d10	16.911	188	491742	20.000	ng	0.00
76) Chrysene-d12	21.077	240	550275	20.000	ng	0.00
86) Perylene-d12	23.357	264	716867	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.313	112	288128	77.866	ng	0.00
7) Phenol-d6	6.946	99	403056	79.445	ng	0.00
23) Nitrobenzene-d5	8.774	82	379149	78.953	ng	0.00
42) 2,4,6-Tribromophenol	15.683	330	317793	78.385	ng	0.00
45) 2-Fluorobiphenyl	12.798	172	1037900	78.655	ng	0.00
79) Terphenyl-d14	19.502	244	1985767	79.880	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.192	88	53100	38.561	ng	100
3) Pyridine	3.621	79	151009m	39.308	ng	
4) n-Nitrosodimethylamine	3.544	42	58296	38.331	ng	100
6) Aniline	6.999	93	179040	47.019	ng	100
8) 2-Chlorophenol	7.205	128	172237	39.288	ng	100
9) Benzaldehyde	6.770	77	100349	40.436	ng	100
10) Phenol	6.970	94	217743	39.429	ng	100
11) bis(2-Chloroethyl)ether	7.029	93	152468	33.357	ng	100
12) 1,3-Dichlorobenzene	7.452	146	186373	38.941	ng	100
13) 1,4-Dichlorobenzene	7.599	146	188950	38.978	ng	100
14) 1,2-Dichlorobenzene	7.928	146	185524	38.988	ng	100
15) Benzyl Alcohol	7.898	79	120198	40.558	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.069	45	213049	39.369	ng	100
17) 2-Methylphenol	8.151	107	145652	40.738	ng	100
18) Hexachloroethane	8.615	117	63329	38.684	ng	100
19) n-Nitroso-di-n-propyla...	8.362	70	134354	40.163	ng	100
20) 3+4-Methylphenols	8.486	107	199485	40.239	ng	100
22) Acetophenone	8.415	105	268772	39.126	ng	# 100
24) Nitrobenzene	8.815	77	196271	39.295	ng	100
25) Isophorone	9.267	82	370532	39.648	ng	100
26) 2-Nitrophenol	9.502	139	105465	39.677	ng	100
27) 2,4-Dimethylphenol	9.620	122	119996	39.015	ng	100
28) bis(2-Chloroethoxy)met...	9.761	93	224782	39.293	ng	100
29) 2,4-Dichlorophenol	10.054	162	171951	39.383	ng	100
30) 1,2,4-Trichlorobenzene	10.178	180	188477	38.669	ng	100
31) Naphthalene	10.378	128	596239	38.936	ng	100
32) Benzoic acid	9.896	122	100608	36.895	ng	100
33) 4-Chloroaniline	10.601	127	217302	40.353	ng	100
34) Hexachlorobutadiene	10.624	225	116475	38.771	ng	100
35) Caprolactam	11.394	113	64814m	40.475	ng	
36) 4-Chloro-3-methylphenol	11.788	107	189183	39.679	ng	100
37) 2-Methylnaphthalene	11.970	142	428221	39.371	ng	100
38) 1-Methylnaphthalene	12.199	142	422238	38.928	ng	100
40) 1,2,4,5-Tetrachloroben...	12.328	216	220907	38.889	ng	100
41) Hexachlorocyclopentadiene	12.311	237	71897	43.372	ng	100
43) 2,4,6-Trichlorophenol	12.646	196	154090	39.498	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101497.D
 Acq On : 6 Nov 2024 16:14
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:52:01 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 23:45:11 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.757	196	172581	39.708	ng	100
46) 1,1'-Biphenyl	12.998	154	575666	38.734	ng	100
47) 2-Chloronaphthalene	13.045	162	456557	38.949	ng	100
48) 2-Nitroaniline	13.380	65	124293	40.058	ng	100
49) Acenaphthylene	13.909	152	682392	39.065	ng	100
50) Dimethylphthalate	13.680	163	598488	39.008	ng	100
51) 2,6-Dinitrotoluene	13.815	165	139657	39.438	ng	100
52) Acenaphthene	14.238	154	434094	38.942	ng	100
53) 3-Nitroaniline	14.226	138	141201	41.073	ng	100
54) 2,4-Dinitrophenol	14.367	184	83465	40.220	ng	100
55) Dibenzofuran	14.579	168	696090	38.778	ng	100
56) 4-Nitrophenol	14.655	139	118316	41.679	ng	100
57) 2,4-Dinitrotoluene	14.602	165	198240	39.848	ng	100
58) Fluorene	15.219	166	587456	39.214	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.849	232	158904	39.512	ng	100
60) Diethylphthalate	15.002	149	627861	38.811	ng	100
61) 4-Chlorophenyl-phenyle...	15.201	204	296844	39.021	ng	100
62) 4-Nitroaniline	15.413	138	150324	40.586	ng	100
63) Azobenzene	15.501	77	515255	39.041	ng	100
65) 4,6-Dinitro-2-methylph...	15.348	198	120802	41.385	ng	100
66) n-Nitrosodiphenylamine	15.454	169	510599	39.126	ng	100
67) 4-Bromophenyl-phenylether	16.089	248	210746	38.857	ng	100
68) Hexachlorobenzene	16.200	284	277335	38.854	ng	100
69) Atrazine	16.388	200	167968	43.596	ng	100
70) Pentachlorophenol	16.606	266	158859	41.018	ng	100
71) Phenanthrene	16.952	178	926504	38.739	ng	100
72) Anthracene	17.040	178	927250	39.259	ng	100
73) Carbazole	17.369	167	924273	39.023	ng	100
74) Di-n-butylphthalate	17.816	149	1150388	39.330	ng	100
75) Fluoranthene	18.956	202	1188222	38.749	ng	100
77) Benzidine	19.214	184	443099	36.010	ng	100
78) Pyrene	19.326	202	1243784	39.725	ng	100
80) Butylbenzylphthalate	20.178	149	557747	39.639	ng	100
81) Benzo(a)anthracene	21.053	228	1287315	39.390	ng	100
82) 3,3'-Dichlorobenzidine	21.030	252	516633	40.158	ng	100
83) Chrysene	21.112	228	1228522	39.549	ng	100
84) Bis(2-ethylhexyl)phtha...	20.877	149	836274	39.312	ng	100
85) Di-n-octyl phthalate	21.723	149	1413042	39.264	ng	100
87) Indeno(1,2,3-cd)pyrene	25.695	276	1931431	39.206	ng	100
88) Benzo(b)fluoranthene	22.651	252	1513421	38.480	ng	100
89) Benzo(k)fluoranthene	22.698	252	1401039	39.241	ng	100
90) Benzo(a)pyrene	23.251	252	1326960	39.080	ng	100
91) Dibenzo(a,h)anthracene	25.683	278	1617066	39.414	ng	100
92) Benzo(g,h,i)perylene	26.441	276	1624063	38.963	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101497.D
Acq On : 6 Nov 2024 16:14
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

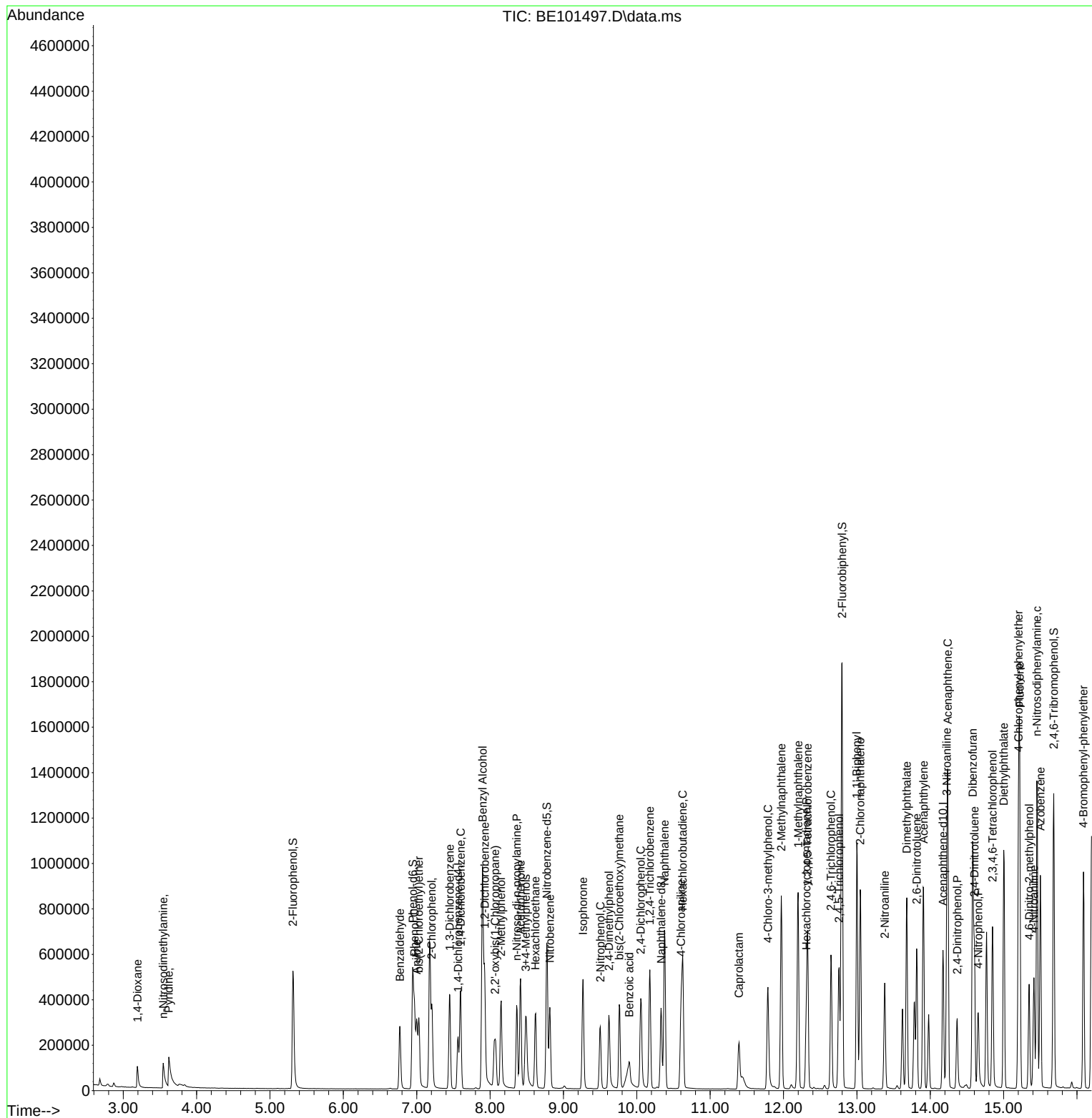
SSTDICCC040

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:52:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration



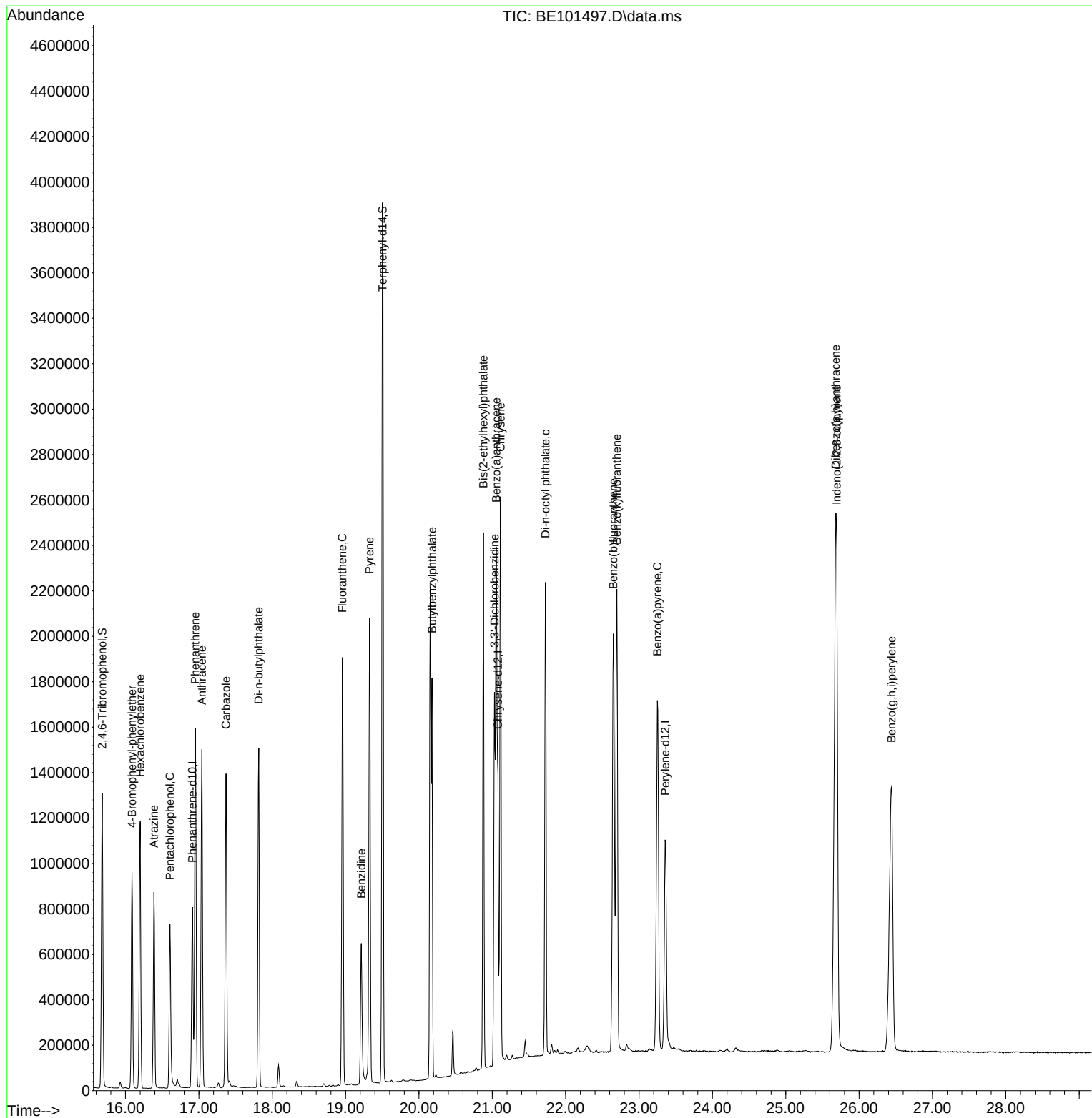
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101497.D
Acq On : 6 Nov 2024 16:14
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:52:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration





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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG No.: P4660

Instrument ID: BNA_E Calibration Date/Time: 11/06/2024 20:28

Lab File ID: BE101504.D Init. Calib. Date(s): 11/06/2024 11/06/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:51 18:02

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.177	1.157		-1.7	
2-Fluorophenol	1.131	1.103		-2.5	
Phenol-d6	1.551	1.542		-0.6	
1,4-Dichlorobenzene	1.482	1.438		-3.0	20.0
2-Methylphenol	1.093	1.128		3.2	
3+4-Methylphenols	1.515	1.514		-0.1	
Nitrobenzene-d5	0.317	0.314		-0.9	
Hexachloroethane	0.500	0.489		-2.2	
Nitrobenzene	0.329	0.327		-0.6	
Hexachlorobutadiene	0.198	0.192		-3.0	20.0
2,4,6-Trichlorophenol	0.362	0.356		-1.7	20.0
2-Fluorobiphenyl	1.225	1.208		-1.4	
2,4,5-Trichlorophenol	0.403	0.401		-0.5	
2,4-Dinitrotoluene	0.462	0.464		0.4	
2,4,6-Tribromophenol	0.376	0.368		-2.1	
Hexachlorobenzene	0.290	0.280		-3.4	
Pentachlorophenol	0.158	0.162		2.5	20.0
Terphenyl-d14	0.904	0.885		-2.1	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101504.D
 Acq On : 6 Nov 2024 20:28
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Jagrut
Upadhyay

Quant Time: Nov 07 01:04:09 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Nov 07 00:01:20 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.559	152	70453	20.000	ng	0.00
21) Naphthalene-d8	10.332	136	326960	20.000	ng	0.00
39) Acenaphthene-d10	14.175	164	230956	20.000	ng	0.00
64) Phenanthrene-d10	16.913	188	529782	20.000	ng	0.00
76) Chrysene-d12	21.072	240	603519	20.000	ng	0.00
86) Perylene-d12	23.358	264	779379	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.314	112	310787	77.999	ng	0.00
7) Phenol-d6	6.942	99	434595	79.552	ng	0.00
23) Nitrobenzene-d5	8.775	82	410898	79.381	ng	0.00
42) 2,4,6-Tribromophenol	15.679	330	340274	78.298	ng	0.00
45) 2-Fluorobiphenyl	12.794	172	1115963	78.896	ng	0.00
79) Terphenyl-d14	19.504	244	2135553	78.327	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.193	88	57806	38.985	ng	99
3) Pyridine	3.616	79	162980m	39.302	ng	
4) n-Nitrosodimethylamine	3.540	42	65882	40.120	ng	97
6) Aniline	7.001	93	179853	43.864	ng	98
8) 2-Chlorophenol	7.206	128	185482	39.292	ng	100
9) Benzaldehyde	6.766	77	111816	41.843	ng	99
10) Phenol	6.971	94	236981	39.852	ng	100
11) bis(2-Chloroethyl)ether	7.030	93	180401	36.646	ng	99
12) 1,3-Dichlorobenzene	7.447	146	199084	38.630	ng	98
13) 1,4-Dichlorobenzene	7.594	146	202616	38.816	ng	99
14) 1,2-Dichlorobenzene	7.923	146	198747	38.788	ng	99
15) Benzyl Alcohol	7.900	79	125548	39.342	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.064	45	231688	39.760	ng	99
17) 2-Methylphenol	8.146	107	158999	41.299	ng	99
18) Hexachloroethane	8.616	117	68877	39.072	ng	98
19) n-Nitroso-di-n-propyla...	8.364	70	146500	40.671	ng	99
20) 3+4-Methylphenols	8.487	107	213268	39.951	ng	98
22) Acetophenone	8.411	105	293636	39.656	ng	99
24) Nitrobenzene	8.810	77	213982	39.745	ng	95
25) Isophorone	9.263	82	399843	39.693	ng	99
26) 2-Nitrophenol	9.498	139	114180	39.851	ng	98
27) 2,4-Dimethylphenol	9.621	122	130868	39.475	ng	97
28) bis(2-Chloroethoxy)met...	9.762	93	243083	39.421	ng	98
29) 2,4-Dichlorophenol	10.056	162	187159	39.769	ng	99
30) 1,2,4-Trichlorobenzene	10.173	180	202506	38.545	ng	99
31) Naphthalene	10.379	128	641049	38.837	ng	99
32) Benzoic acid	9.903	122	103968	35.618	ng	97
33) 4-Chloroaniline	10.602	127	234971	40.481	ng	99
34) Hexachlorobutadiene	10.626	225	125256	38.681	ng	99
35) Caprolactam	11.390	113	68651m	39.723	ng	
36) 4-Chloro-3-methylphenol	11.783	107	204846	39.859	ng	99
37) 2-Methylnaphthalene	11.971	142	458227	39.085	ng	99
38) 1-Methylnaphthalene	12.195	142	457609	39.140	ng	99
40) 1,2,4,5-Tetrachloroben...	12.324	216	235217	38.629	ng	99
41) Hexachlorocyclopentadiene	12.306	237	75374	42.418	ng	97
43) 2,4,6-Trichlorophenol	12.647	196	164520	39.342	ng	99

11/07/2024

Supervised By :mohammad
Ahmed

11/08/2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101504.D
 Acq On : 6 Nov 2024 20:28
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC040

Manual Integrations
 APPROVED

Reviewed By :Jagrut
 Upadhyay

Quant Time: Nov 07 01:04:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 07 00:01:20 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.753	196	185142	39.740	ng	99
46) 1,1'-Biphenyl	13.000	154	621250	38.996	ng	100
47) 2-Chloronaphthalene	13.047	162	488020	38.839	ng	99
48) 2-Nitroaniline	13.376	65	135991	40.887	ng	95
49) Acenaphthylene	13.904	152	734150	39.207	ng	99
50) Dimethylphthalate	13.681	163	637532	38.764	ng	100
51) 2,6-Dinitrotoluene	13.816	165	148204	39.043	ng	99
52) Acenaphthene	14.239	154	467862	39.155	ng	98
53) 3-Nitroaniline	14.227	138	152396	41.355	ng	97
54) 2,4-Dinitrophenol	14.363	184	88513	39.791	ng	97
55) Dibenzofuran	14.580	168	742612	38.594	ng	100
56) 4-Nitrophenol	14.651	139	128271	42.153	ng	94
57) 2,4-Dinitrotoluene	14.604	165	214155	40.158	ng	99
58) Fluorene	15.220	166	635303	39.562	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.850	232	170480	39.546	ng	100
60) Diethylphthalate	15.003	149	678547	39.130	ng	100
61) 4-Chlorophenyl-phenyle...	15.203	204	318707	39.084	ng	99
62) 4-Nitroaniline	15.414	138	166064	41.827	ng	99
63) Azobenzene	15.502	77	554125	39.168	ng	99
65) 4,6-Dinitro-2-methylph...	15.344	198	127136	40.427	ng	97
66) n-Nitrosodiphenylamine	15.455	169	547364	38.932	ng	100
67) 4-Bromophenyl-phenylether	16.090	248	225915	38.663	ng	97
68) Hexachlorobenzene	16.196	284	296203	38.518	ng	99
69) Atrazine	16.390	200	178017	42.887	ng	99
70) Pentachlorophenol	16.607	266	171829	41.181	ng	98
71) Phenanthrene	16.954	178	997510	38.713	ng	100
72) Anthracene	17.042	178	993418	39.041	ng	100
73) Carbazole	17.371	167	996833	39.065	ng	99
74) Di-n-butylphthalate	17.817	149	1237289	39.264	ng	100
75) Fluoranthene	18.957	202	1275395	38.605	ng	100
77) Benzidine	19.216	184	539375	41.605	ng	100
78) Pyrene	19.327	202	1341656	39.070	ng	100
80) Butylbenzylphthalate	20.173	149	607172	39.345	ng	97
81) Benzo(a)anthracene	21.049	228	1402349	39.124	ng	99
82) 3,3'-Dichlorobenzidine	21.025	252	567578	40.226	ng	98
83) Chrysene	21.108	228	1326312	38.930	ng	100
84) Bis(2-ethylhexyl)phtha...	20.879	149	902617	38.687	ng	99
85) Di-n-octyl phthalate	21.719	149	1539772	39.011	ng	100
87) Indeno(1,2,3-cd)pyrene	25.685	276	2084869	38.927	ng	100
88) Benzo(b)fluoranthene	22.647	252	1631775	38.161	ng	100
89) Benzo(k)fluoranthene	22.694	252	1536242	39.577	ng	99
90) Benzo(a)pyrene	23.252	252	1425377	38.611	ng	99
91) Dibenzo(a,h)anthracene	25.679	278	1748804	39.207	ng	100
92) Benzo(g,h,i)perylene	26.437	276	1757854	38.790	ng	99

11/07/2024
 Supervised By :mohammad
 ahmed

11/08/2024

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101504.D
Acq On : 6 Nov 2024 20:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

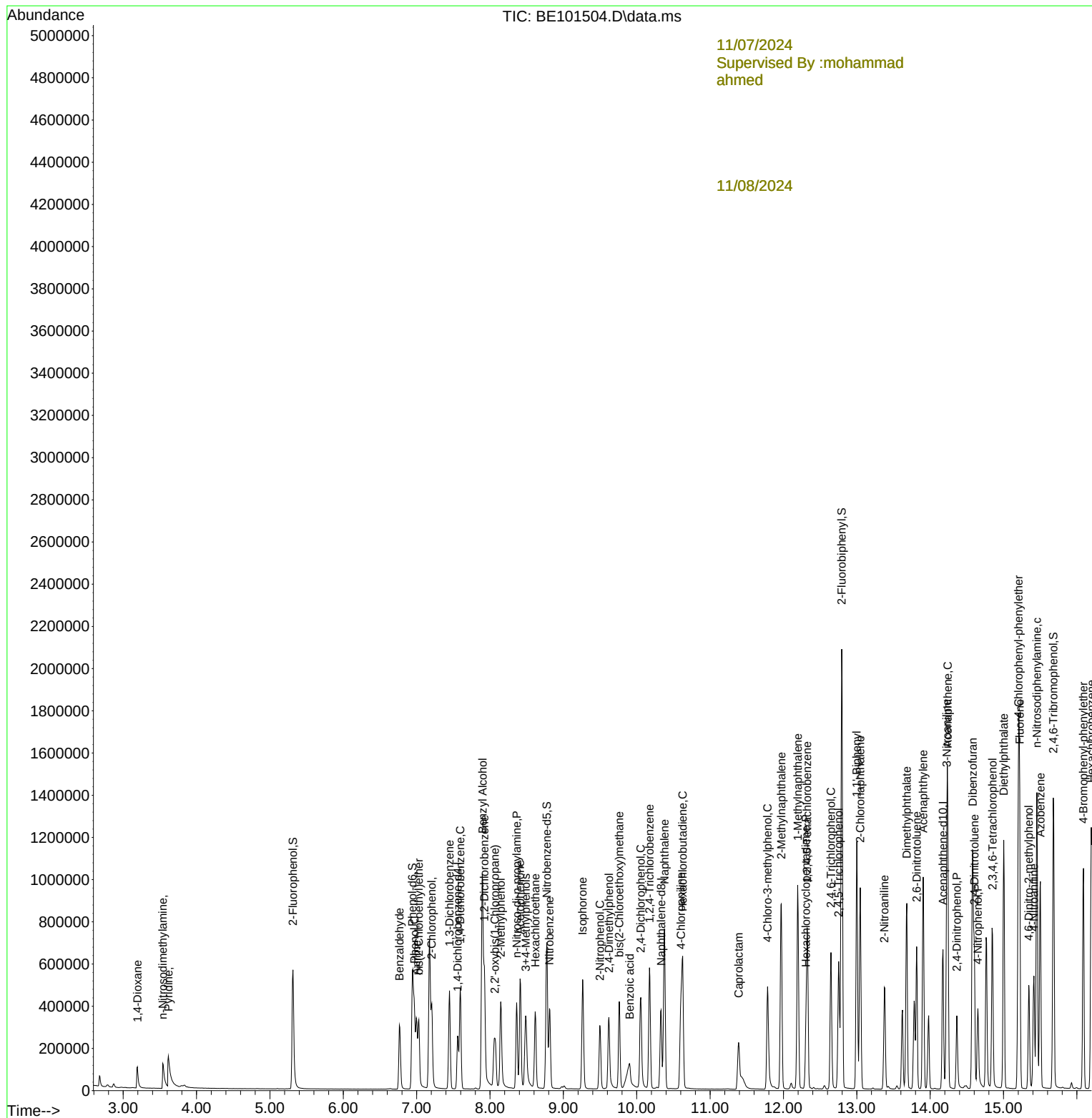
SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Jagrut
Upadhyay

Quant Time: Nov 07 01:04:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
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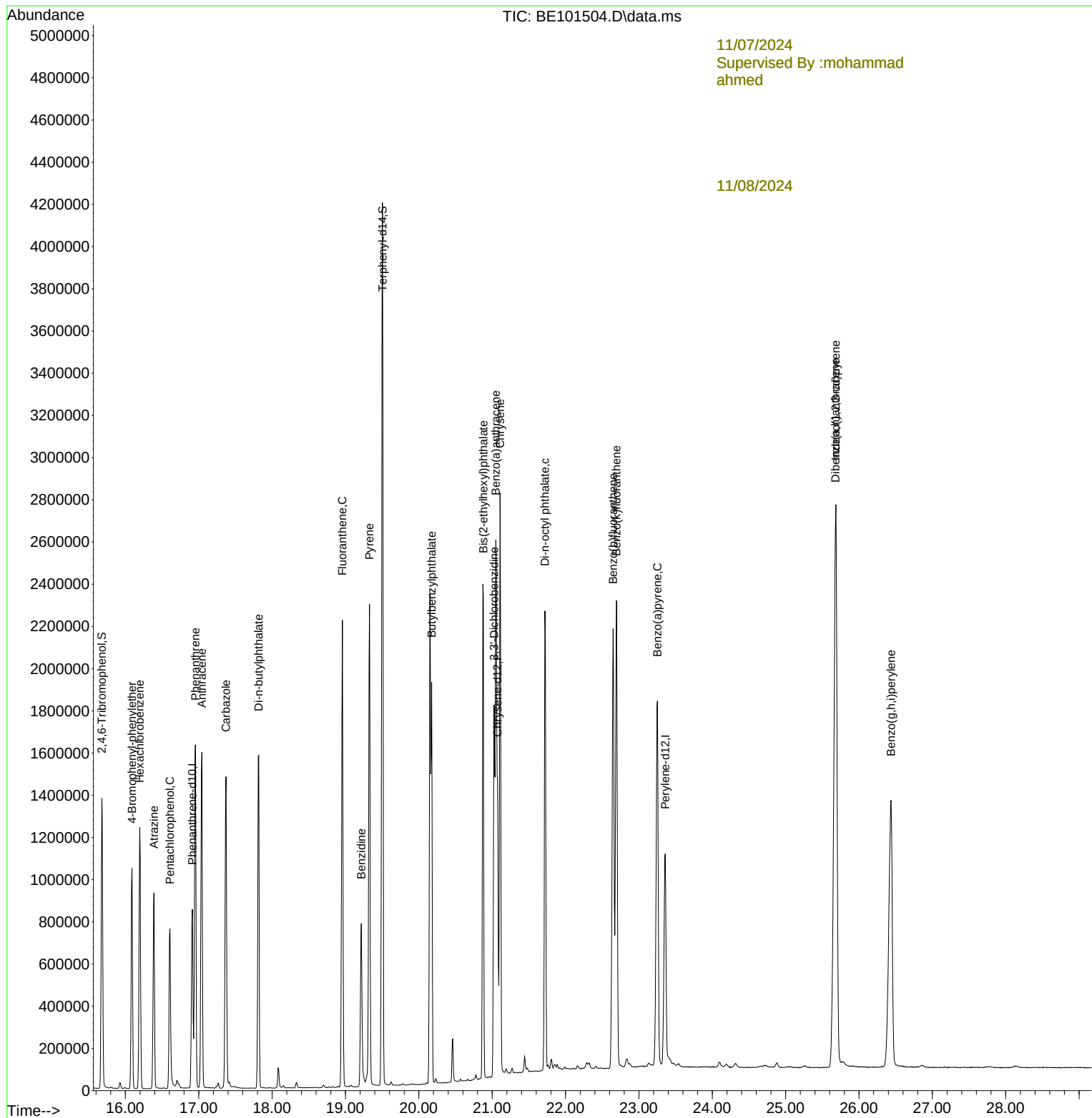
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
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Instrument :
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Manual Integrations
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Reviewed By :Jagrut
Upadhyay

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 07 00:01:20 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	108	0.00
2	1,4-Dioxane	0.421	0.410	2.6	109	0.00
3	Pyridine	1.177	1.157	1.7	108	0.00
4	n-Nitrosodimethylamine	0.466	0.468	-0.4	113	0.00
5 S	2-Fluorophenol	1.131	1.103	2.5	108	0.00
6	Aniline	1.164	1.276	-9.6	100	0.00
7 S	Phenol-d6	1.551	1.542	0.6	108	0.00
8	2-Chlorophenol	1.340	1.316	1.8	108	0.00
9	Benzaldehyde	0.759	0.794	-4.6	111	0.00
10 C	Phenol	1.688	1.682	0.4	109	0.00
11	bis(2-Chloroethyl)ether	1.397	1.280	8.4	118	0.00
12	1,3-Dichlorobenzene	1.463	1.413	3.4	107	0.00
13 C	1,4-Dichlorobenzene	1.482	1.438	3.0	107	0.00
14	1,2-Dichlorobenzene	1.455	1.410	3.1	107	0.00
15	Benzyl Alcohol	0.906	0.891	1.7	104	0.00
16	2,2'-oxybis(1-Chloropropane	1.654	1.644	0.6	109	0.00
17	2-Methylphenol	1.093	1.128	-3.2	109	0.00
18	Hexachloroethane	0.500	0.489	2.2	109	0.00
19 P	n-Nitroso-di-n-propylamine	1.023	1.040	-1.7	109	0.00
20	3+4-Methylphenols	1.515	1.514	0.1	107	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	108	0.00
22	Acetophenone	0.453	0.449	0.9	109	0.00
23 S	Nitrobenzene-d5	0.317	0.314	0.9	108	0.00
24	Nitrobenzene	0.329	0.327	0.6	109	0.00
25	Isophorone	0.616	0.611	0.8	108	0.00
26 C	2-Nitrophenol	0.175	0.175	0.0	108	0.00
27	2,4-Dimethylphenol	0.203	0.200	1.5	109	0.00
28	bis(2-Chloroethoxy)methane	0.377	0.372	1.3	108	0.00
29 C	2,4-Dichlorophenol	0.288	0.286	0.7	109	0.00
30	1,2,4-Trichlorobenzene	0.321	0.310	3.4	107	0.00
31	Naphthalene	1.010	0.980	3.0	108	0.00
32	Benzoic acid	0.168	0.159	5.4	103	0.00
33	4-Chloroaniline	0.355	0.359	-1.1	108	0.00
34 C	Hexachlorobutadiene	0.198	0.192	3.0	108	0.00
35	Caprolactam	0.106	0.105	0.9	106	0.00
36 C	4-Chloro-3-methylphenol	0.314	0.313	0.3	108	0.00
37	2-Methylnaphthalene	0.717	0.701	2.2	107	0.00
38	1-Methylnaphthalene	0.715	0.700	2.1	108	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	107	0.00
40	1,2,4,5-Tetrachlorobenzene	0.527	0.509	3.4	106	0.00
41 P	Hexachlorocyclopentadiene	0.154	0.163	-5.8	105	0.00
42 S	2,4,6-Tribromophenol	0.376	0.368	2.1	107	0.00
43 C	2,4,6-Trichlorophenol	0.362	0.356	1.7	107	0.00
44	2,4,5-Trichlorophenol	0.403	0.401	0.5	107	0.00
45 S	2-Fluorobiphenyl	1.225	1.208	1.4	108	0.00
46	1,1'-Biphenyl	1.380	1.345	2.5	108	0.00
47	2-Chloronaphthalene	1.088	1.057	2.8	107	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101504.D
 Acq On : 6 Nov 2024 20:28
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 07 01:04:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 07 00:01:20 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	0.288	0.294	-2.1	109	0.00
49	Acenaphthylene	1.622	1.589	2.0	108	0.00
50	Dimethylphthalate	1.424	1.380	3.1	107	0.00
51	2,6-Dinitrotoluene	0.329	0.321	2.4	106	0.00
52 C	Acenaphthene	1.035	1.013	2.1	108	0.00
53	3-Nitroaniline	0.319	0.330	-3.4	108	0.00
54 P	2,4-Dinitrophenol	0.193	0.192	0.5	106	0.00
55	Dibenzofuran	1.666	1.608	3.5	107	0.00
56 P	4-Nitrophenol	0.264	0.278	-5.3	108	0.00
57	2,4-Dinitrotoluene	0.462	0.464	-0.4	108	0.00
58	Fluorene	1.391	1.375	1.2	108	0.00
59	2,3,4,6-Tetrachlorophenol	0.373	0.369	1.1	107	0.00
60	Diethylphthalate	1.502	1.469	2.2	108	0.00
61	4-Chlorophenyl-phenylether	0.706	0.690	2.3	107	0.00
62	4-Nitroaniline	0.344	0.360	-4.7	110	0.00
63	Azobenzene	1.225	1.200	2.0	108	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	108	0.00
65	4,6-Dinitro-2-methylphenol	0.119	0.120	-0.8	105	0.00
66 c	n-Nitrosodiphenylamine	0.531	0.517	2.6	107	0.00
67	4-Bromophenyl-phenylether	0.221	0.213	3.6	107	0.00
68	Hexachlorobenzene	0.290	0.280	3.4	107	0.00
69	Atrazine	0.157	0.168	-7.0	106	0.00
70 C	Pentachlorophenol	0.158	0.162	-2.5	108	0.00
71	Phenanthrene	0.973	0.941	3.3	108	0.00
72	Anthracene	0.961	0.938	2.4	107	0.00
73	Carbazole	0.963	0.941	2.3	108	0.00
74	Di-n-butylphthalate	1.190	1.168	1.8	108	0.00
75 C	Fluoranthene	1.247	1.204	3.4	107	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	110	0.00
77	Benzydine	0.430	0.447	-4.0	122	0.00
78	Pyrene	1.138	1.112	2.3	108	0.00
79 S	Terphenyl-d14	0.904	0.885	2.1	108	0.00
80	Butylbenzylphthalate	0.511	0.503	1.6	109	0.00
81	Benzo(a)anthracene	1.188	1.162	2.2	109	0.00
82	3,3'-Dichlorobenzidine	0.468	0.470	-0.4	110	0.00
83	Chrysene	1.129	1.099	2.7	108	0.00
84	Bis(2-ethylhexyl)phthalate	0.773	0.748	3.2	108	0.00
85 c	Di-n-octyl phthalate	1.308	1.276	2.4	109	0.00
86 I	Perylene-d12	1.000	1.000	0.0	109	0.00
87	Indeno(1,2,3-cd)pyrene	1.374	1.338	2.6	108	-0.01
88	Benzo(b)fluoranthene	1.097	1.047	4.6	108	0.00
89	Benzo(k)fluoranthene	0.996	0.986	1.0	110	0.00
90 C	Benzo(a)pyrene	0.947	0.914	3.5	107	0.00
91	Dibenzo(a,h)anthracene	1.145	1.122	2.0	108	0.00
92	Benzo(g,h,i)perylene	1.163	1.128	3.0	108	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101504.D
Acq On : 6 Nov 2024 20:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
LabSampleId :
SSTDCCC040

Quant Time: Nov 07 01:04:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 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)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101504.D
 Acq On : 6 Nov 2024 20:28
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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	108	0.00
2	1,4-Dioxane	40.000	38.985	2.5	109	0.00
3	Pyridine	40.000	39.302	1.7	108	0.00
4	n-Nitrosodimethylamine	40.000	40.120	-0.3	113	0.00
5 S	2-Fluorophenol	80.000	77.999	2.5	108	0.00
6	Aniline	40.000	43.864	-9.7	100	0.00
7 S	Phenol-d6	80.000	79.552	0.6	108	0.00
8	2-Chlorophenol	40.000	39.292	1.8	108	0.00
9	Benzaldehyde	40.000	41.843	-4.6	111	0.00
10 C	Phenol	40.000	39.852	0.4	109	0.00
11	bis(2-Chloroethyl)ether	40.000	36.646	8.4	118	0.00
12	1,3-Dichlorobenzene	40.000	38.630	3.4	107	0.00
13 C	1,4-Dichlorobenzene	40.000	38.816	3.0	107	0.00
14	1,2-Dichlorobenzene	40.000	38.788	3.0	107	0.00
15	Benzyl Alcohol	40.000	39.342	1.6	104	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	39.760	0.6	109	0.00
17	2-Methylphenol	40.000	41.299	-3.2	109	0.00
18	Hexachloroethane	40.000	39.072	2.3	109	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	40.671	-1.7	109	0.00
20	3+4-Methylphenols	40.000	39.951	0.1	107	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	108	0.00
22	Acetophenone	40.000	39.656	0.9	109	0.00
23 S	Nitrobenzene-d5	80.000	79.381	0.8	108	0.00
24	Nitrobenzene	40.000	39.745	0.6	109	0.00
25	Isophorone	40.000	39.693	0.8	108	0.00
26 C	2-Nitrophenol	40.000	39.851	0.4	108	0.00
27	2,4-Dimethylphenol	40.000	39.475	1.3	109	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.421	1.4	108	0.00
29 C	2,4-Dichlorophenol	40.000	39.769	0.6	109	0.00
30	1,2,4-Trichlorobenzene	40.000	38.545	3.6	107	0.00
31	Naphthalene	40.000	38.837	2.9	108	0.00
32	Benzoic acid	40.000	35.618	11.0	103	0.00
33	4-Chloroaniline	40.000	40.481	-1.2	108	0.00
34 C	Hexachlorobutadiene	40.000	38.681	3.3	108	0.00
35	Caprolactam	40.000	39.723	0.7	106	0.00
36 C	4-Chloro-3-methylphenol	40.000	39.859	0.4	108	0.00
37	2-Methylnaphthalene	40.000	39.085	2.3	107	0.00
38	1-Methylnaphthalene	40.000	39.140	2.1	108	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	107	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	38.629	3.4	106	0.00
41 P	Hexachlorocyclopentadiene	40.000	42.418	-6.0	105	0.00
42 S	2,4,6-Tribromophenol	80.000	78.298	2.1	107	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.342	1.6	107	0.00
44	2,4,5-Trichlorophenol	40.000	39.740	0.6	107	0.00
45 S	2-Fluorobiphenyl	80.000	78.896	1.4	108	0.00
46	1,1'-Biphenyl	40.000	38.996	2.5	108	0.00
47	2-Chloronaphthalene	40.000	38.839	2.9	107	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101504.D
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 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
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Instrument :
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 QLast Update : Thu Nov 07 00:01:20 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	40.887	-2.2	109	0.00
49	Acenaphthylene	40.000	39.207	2.0	108	0.00
50	Dimethylphthalate	40.000	38.764	3.1	107	0.00
51	2,6-Dinitrotoluene	40.000	39.043	2.4	106	0.00
52 C	Acenaphthene	40.000	39.155	2.1	108	0.00
53	3-Nitroaniline	40.000	41.355	-3.4	108	0.00
54 P	2,4-Dinitrophenol	40.000	39.791	0.5	106	0.00
55	Dibenzofuran	40.000	38.594	3.5	107	0.00
56 P	4-Nitrophenol	40.000	42.153	-5.4	108	0.00
57	2,4-Dinitrotoluene	40.000	40.158	-0.4	108	0.00
58	Fluorene	40.000	39.562	1.1	108	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	39.546	1.1	107	0.00
60	Diethylphthalate	40.000	39.130	2.2	108	0.00
61	4-Chlorophenyl-phenylether	40.000	39.084	2.3	107	0.00
62	4-Nitroaniline	40.000	41.827	-4.6	110	0.00
63	Azobenzene	40.000	39.168	2.1	108	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	108	0.00
65	4,6-Dinitro-2-methylphenol	40.000	40.427	-1.1	105	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.932	2.7	107	0.00
67	4-Bromophenyl-phenylether	40.000	38.663	3.3	107	0.00
68	Hexachlorobenzene	40.000	38.518	3.7	107	0.00
69	Atrazine	40.000	42.887	-7.2	106	0.00
70 C	Pentachlorophenol	40.000	41.181	-3.0	108	0.00
71	Phenanthrene	40.000	38.713	3.2	108	0.00
72	Anthracene	40.000	39.041	2.4	107	0.00
73	Carbazole	40.000	39.065	2.3	108	0.00
74	Di-n-butylphthalate	40.000	39.264	1.8	108	0.00
75 C	Fluoranthene	40.000	38.605	3.5	107	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	110	0.00
77	Benzydine	40.000	41.605	-4.0	122	0.00
78	Pyrene	40.000	39.070	2.3	108	0.00
79 S	Terphenyl-d14	80.000	78.327	2.1	108	0.00
80	Butylbenzylphthalate	40.000	39.345	1.6	109	0.00
81	Benzo(a)anthracene	40.000	39.124	2.2	109	0.00
82	3,3'-Dichlorobenzidine	40.000	40.226	-0.6	110	0.00
83	Chrysene	40.000	38.930	2.7	108	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	38.687	3.3	108	0.00
85 c	Di-n-octyl phthalate	40.000	39.011	2.5	109	0.00
86 I	Perylene-d12	20.000	20.000	0.0	109	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	38.927	2.7	108	-0.01
88	Benzo(b)fluoranthene	40.000	38.161	4.6	108	0.00
89	Benzo(k)fluoranthene	40.000	39.577	1.1	110	0.00
90 C	Benzo(a)pyrene	40.000	38.611	3.5	107	0.00
91	Dibenzo(a,h)anthracene	40.000	39.207	2.0	108	0.00
92	Benzo(g,h,i)perylene	40.000	38.790	3.0	108	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101504.D
Acq On : 6 Nov 2024 20:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
LabSampleId :
SSTDCCC040

Quant Time: Nov 07 01:04:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 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)
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(#) = Out of Range SPCC's out = 0 CCC's out = 0



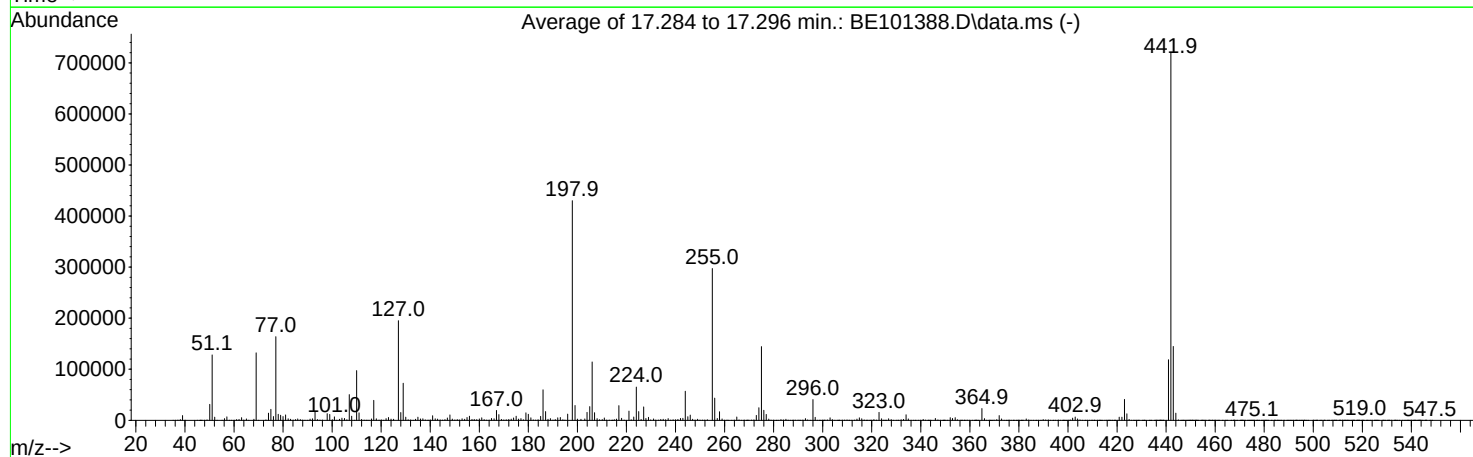
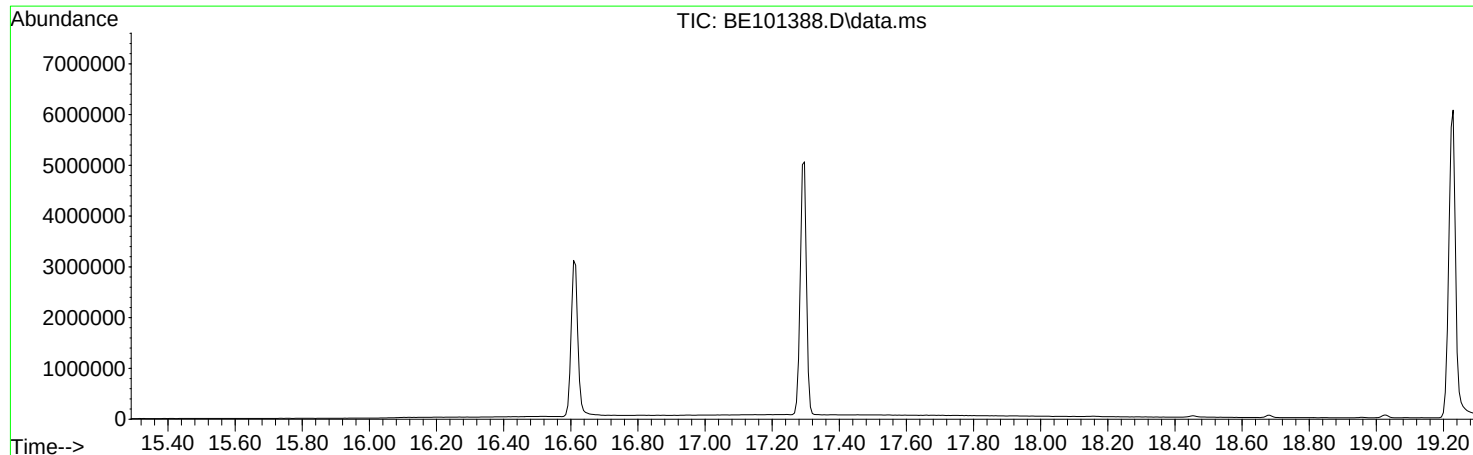
QC SAMPLE DATA

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

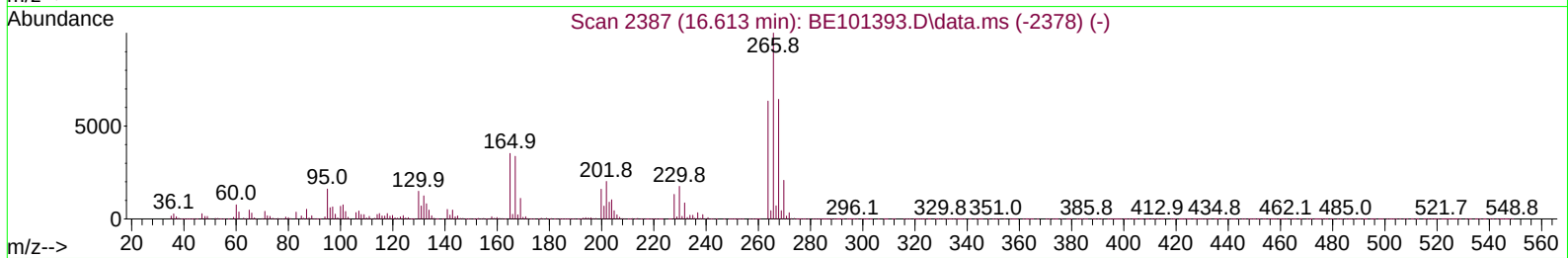
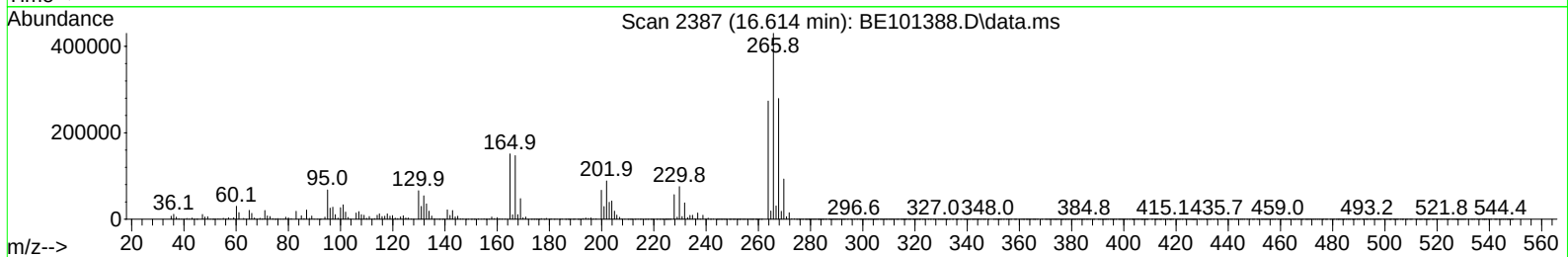
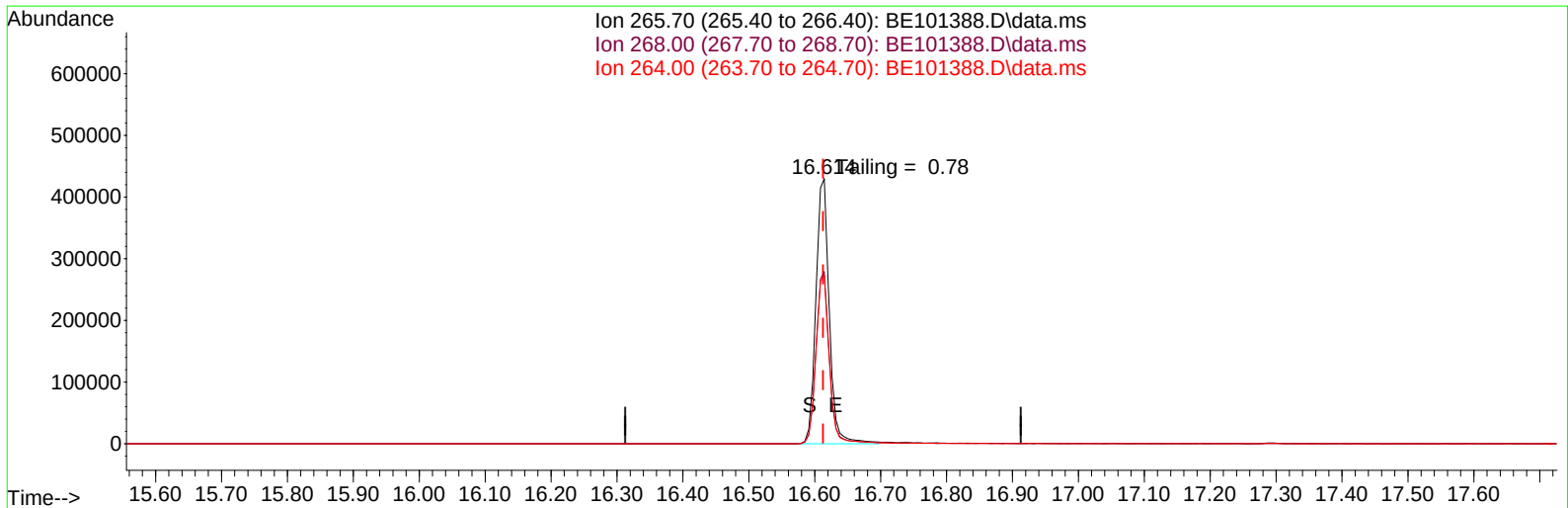
Date	Instrument Name	DFTPP Data File
10/28/2024	BNA_E	<u>BE101388.D</u>
Compound Name	Response	Retention Time
DDT	1836699	20.351
DDD	25787	19.916
DDE	1987	19.405
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
27774	1864473	1.49

Instrument :
BNA_E
ClientSampleId :
DFTPP

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

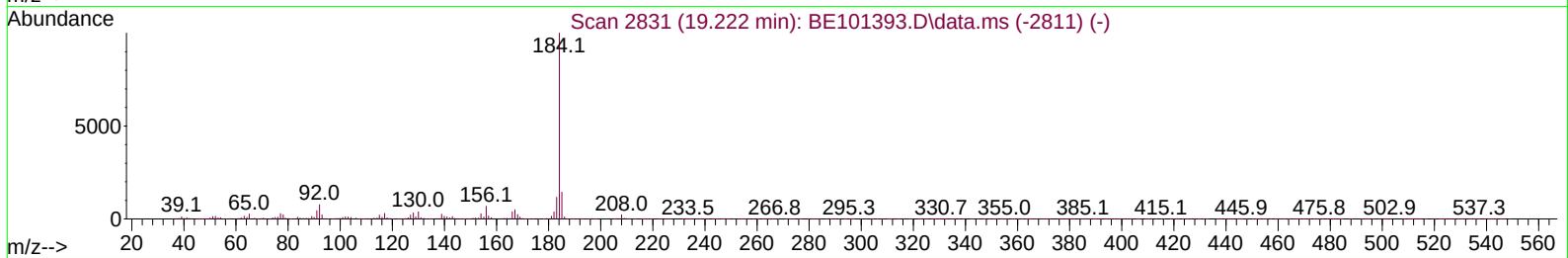
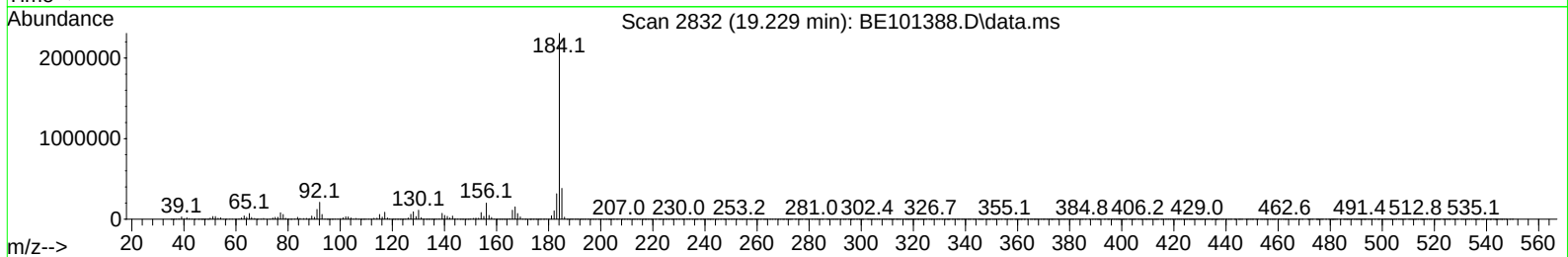
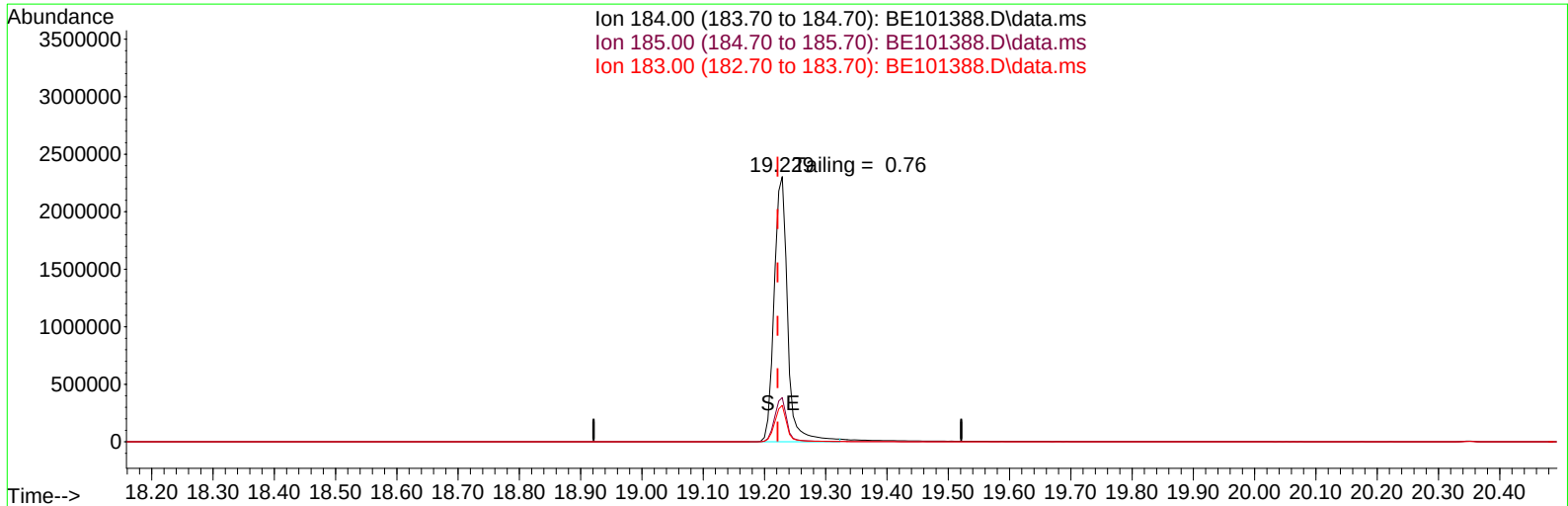
response 610726

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

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

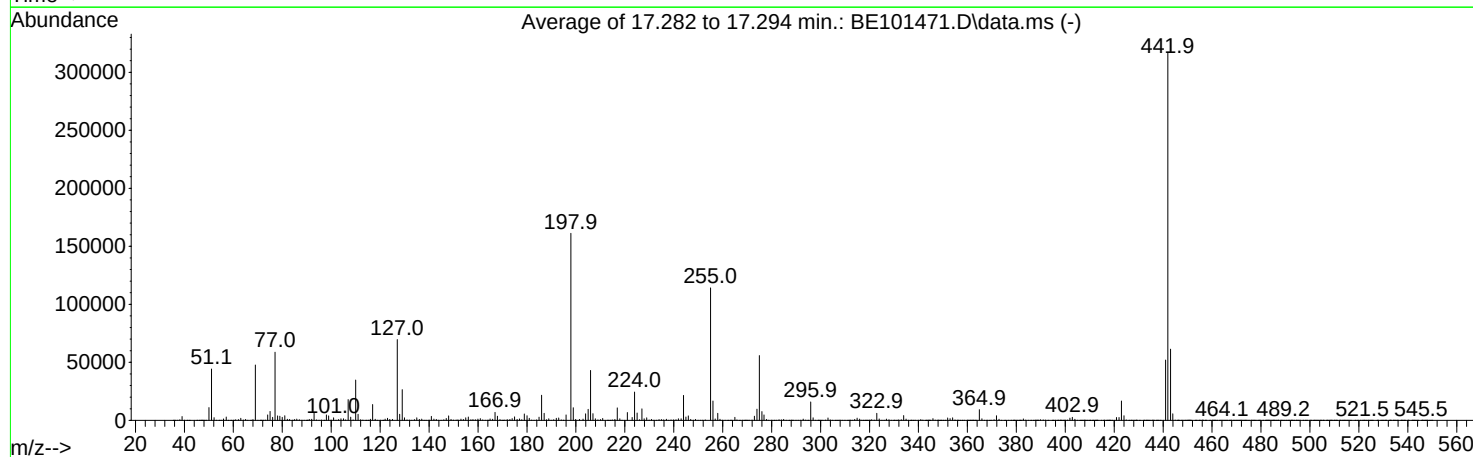
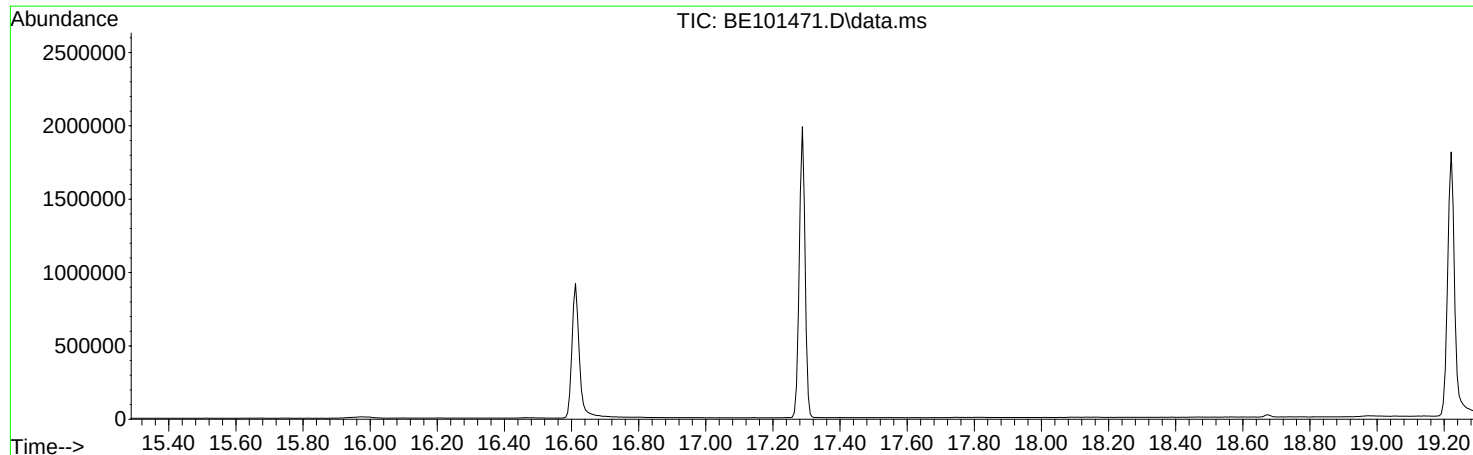
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	16.64
183.00	11.60	13.72
0.00	0.00	0.00

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



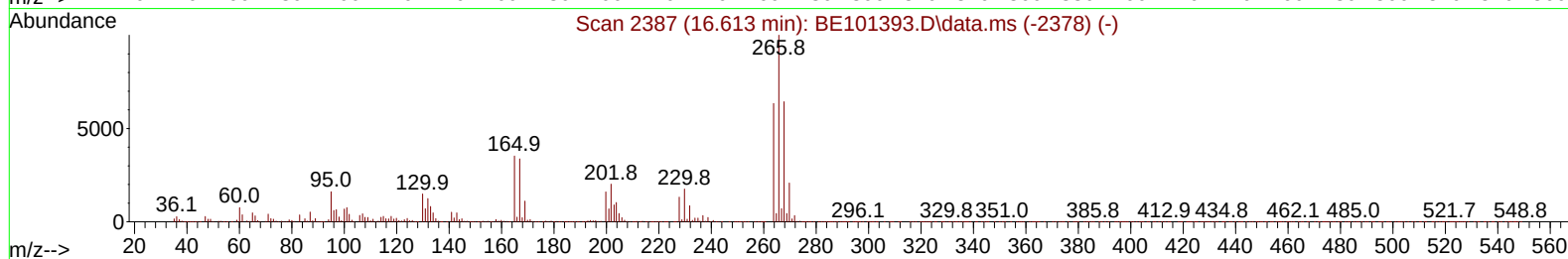
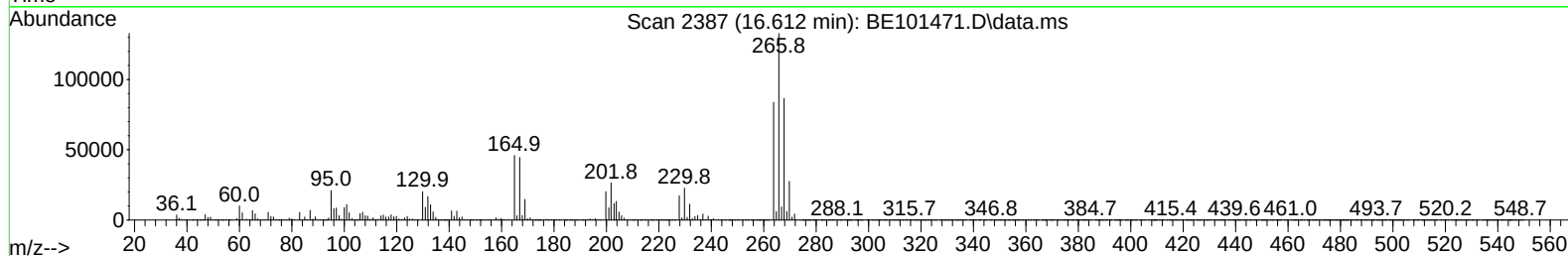
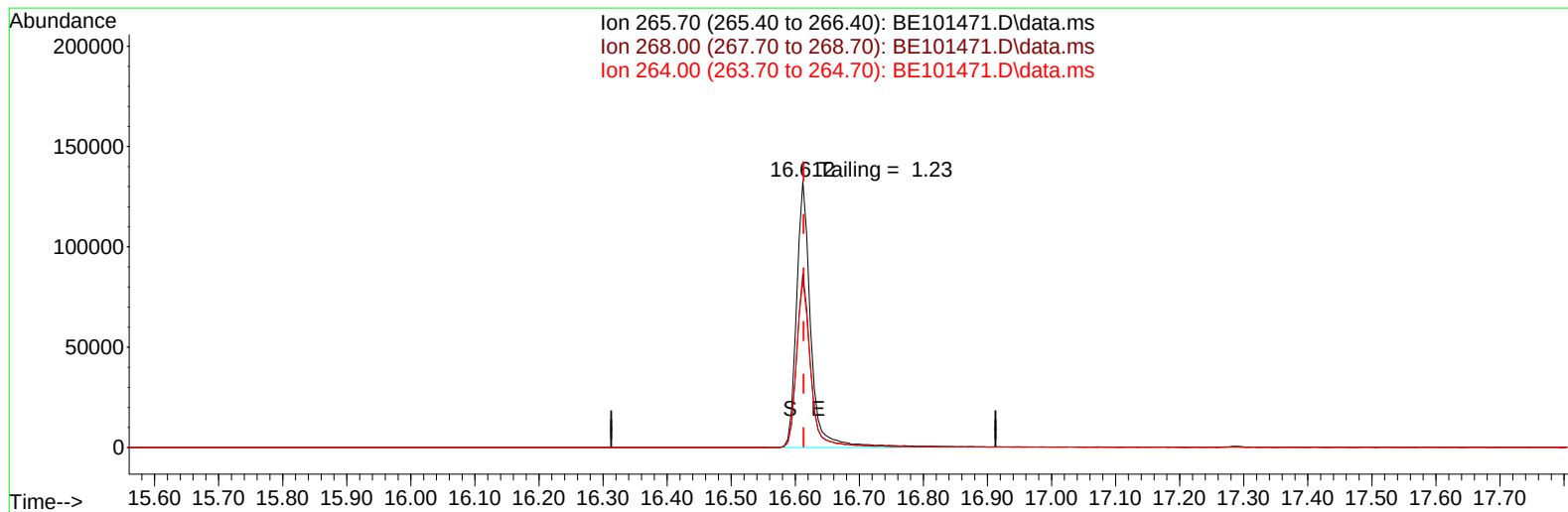
AutoFind: Scans 2501, 2502, 2503; Background Corrected with Scan 2491

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

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

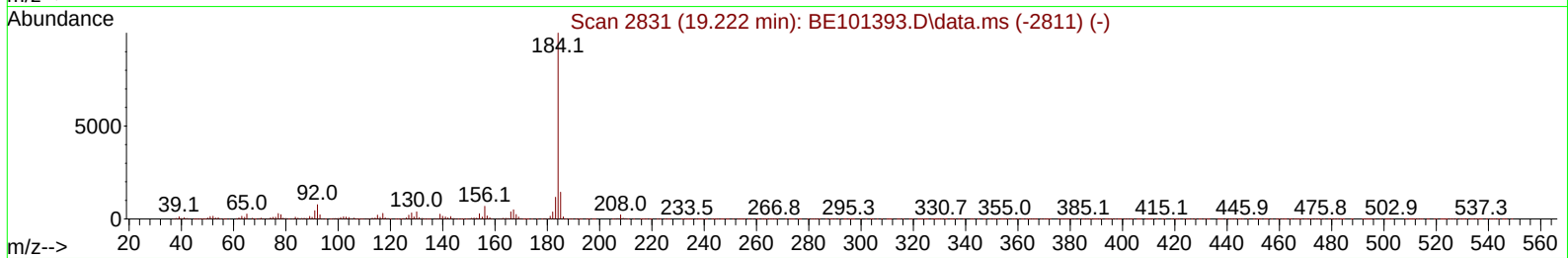
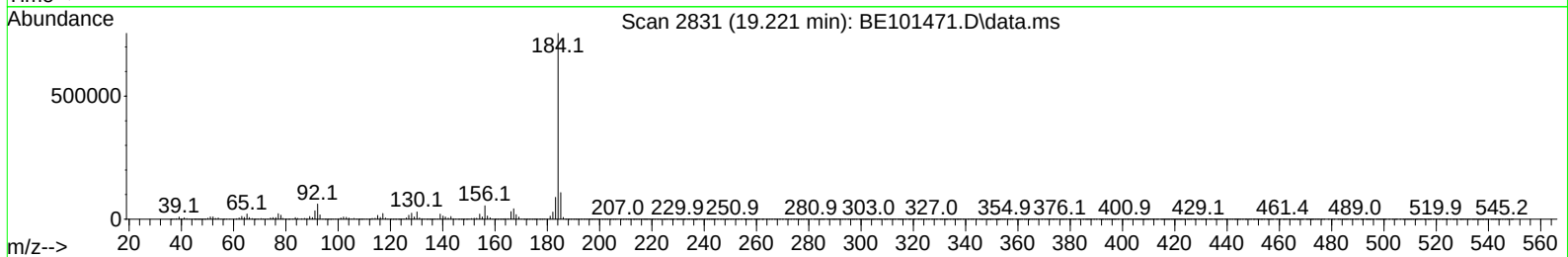
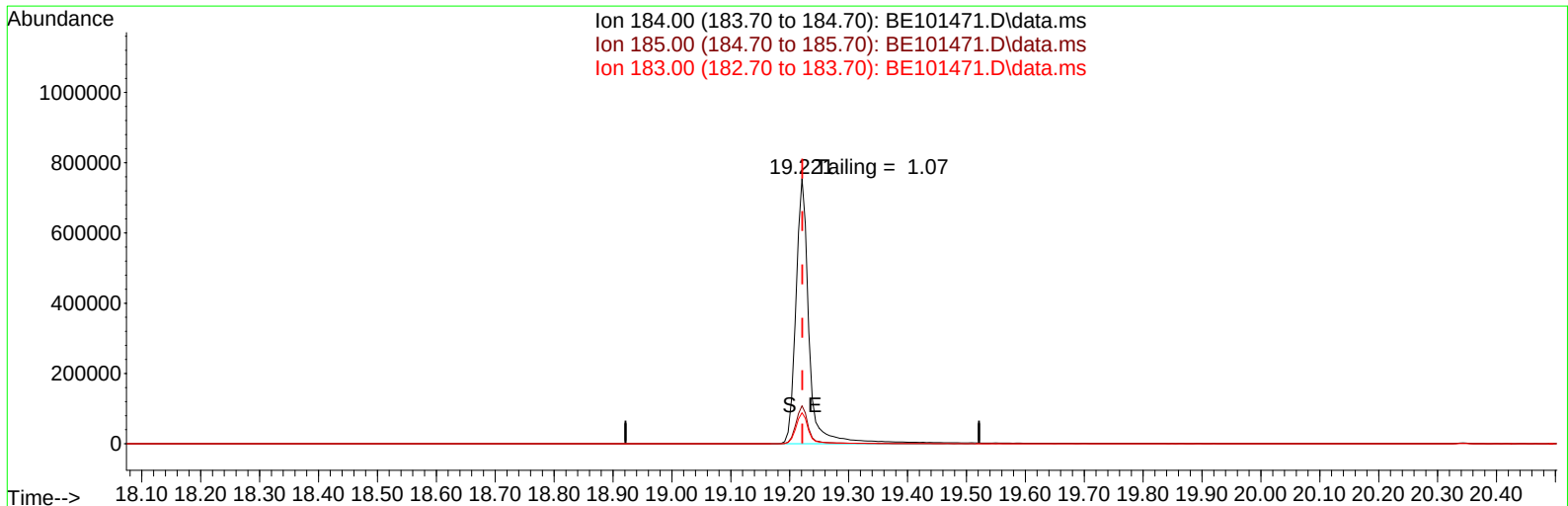
response 206048

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	<u>BE101471.D</u>
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

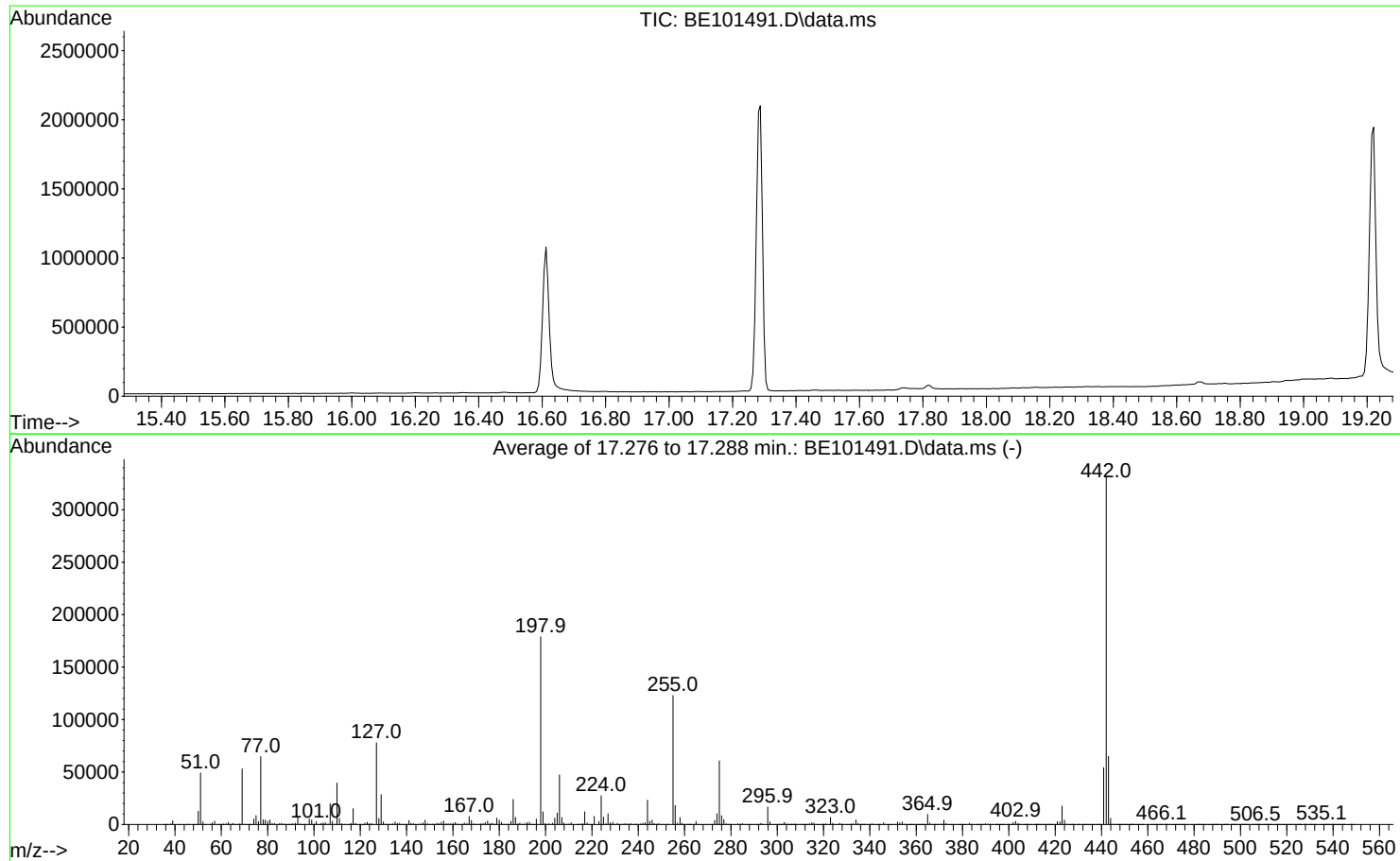
Instrument :
BNA_E
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101491.D
Acq On : 6 Nov 2024 11:40
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-BE110624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Nov 07 00:01:20 2024



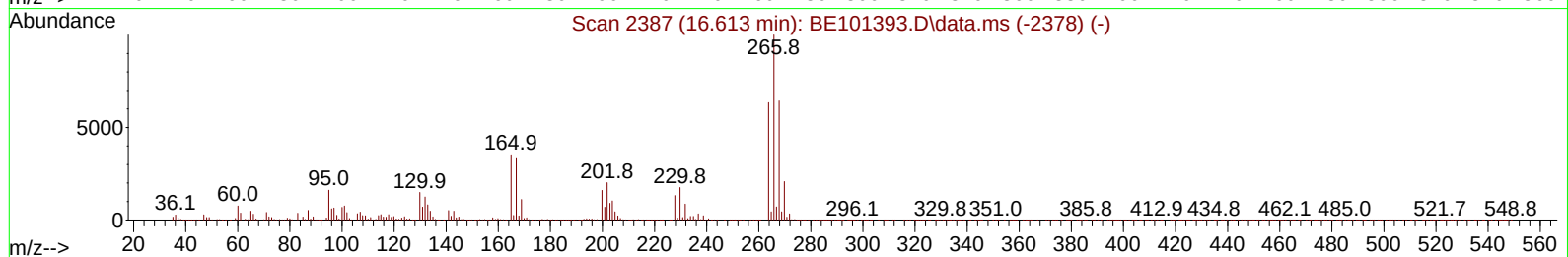
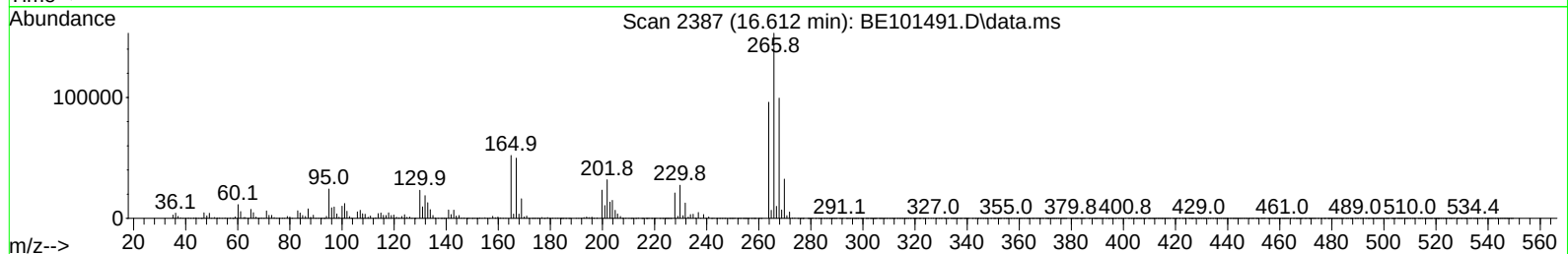
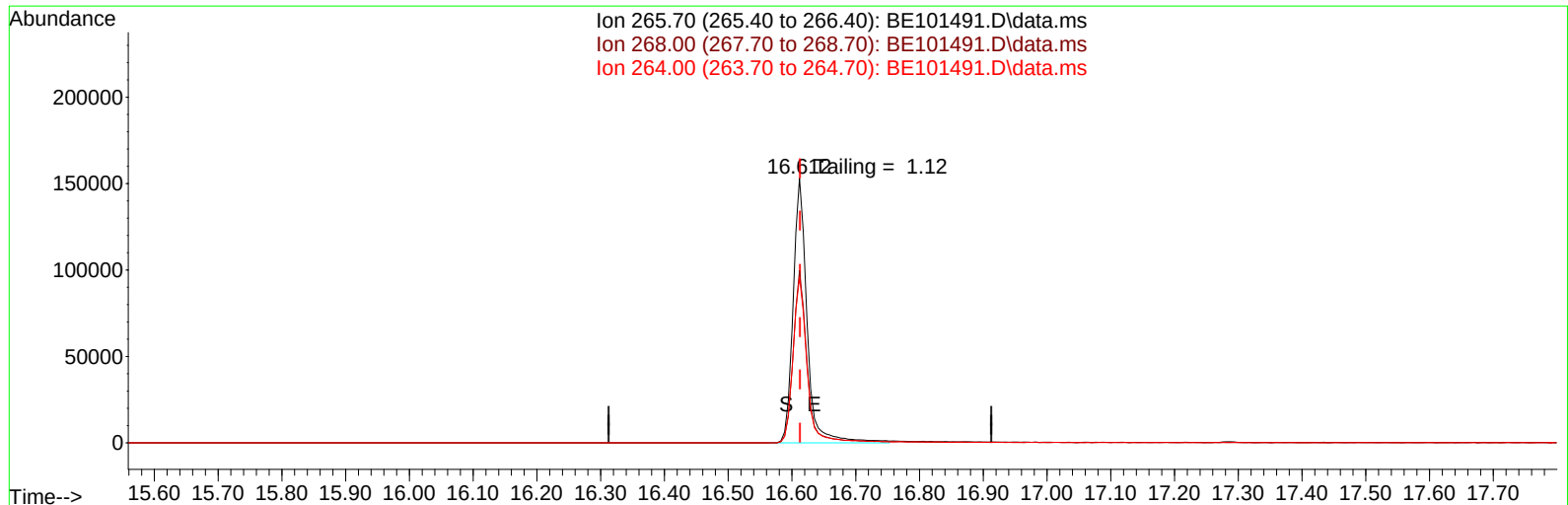
AutoFind: Scans 2500, 2501, 2502; Background Corrected with Scan 2492

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	27.5	49133	PASS
68	69	0.00	2	1.3	713	PASS
69	198	0.00	100	29.7	53047	PASS
70	69	0.00	2	0.4	228	PASS
127	198	10	80	43.5	77857	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	178817	PASS
199	198	5	9	6.7	12064	PASS
275	198	10	60	34.0	60764	PASS
365	198	1	100	5.4	9623	PASS
441	198	0.01	100	30.3	54192	PASS
442	442	50	100	100.0	331371	PASS
443	442	15	24	19.6	64909	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101491.D
Acq On : 6 Nov 2024 11:40
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DFTPP

Quant Time: Nov 06 14:00:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration



TIC: BE101491.D\data.ms

(70) Pentachlorophenol (C)

16.612min (-0.001) 879438.33 ng

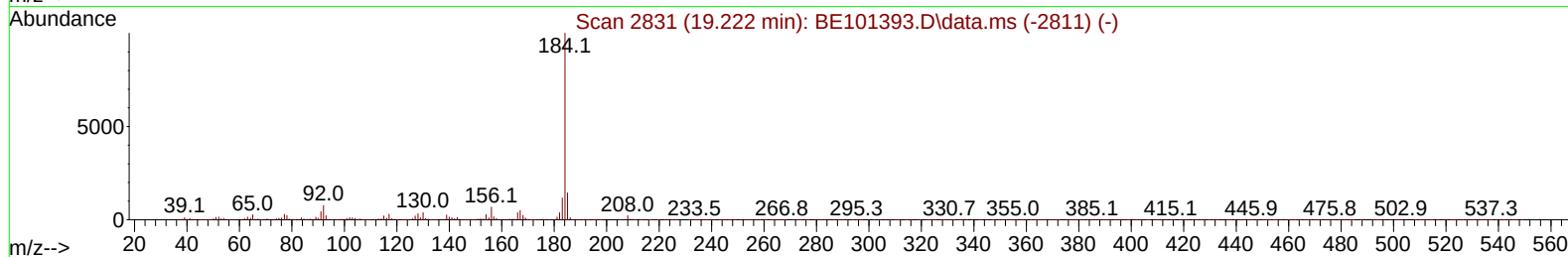
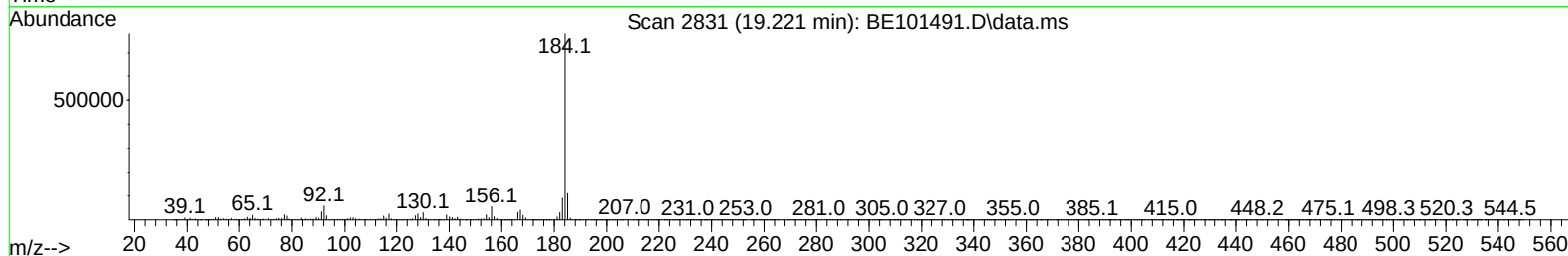
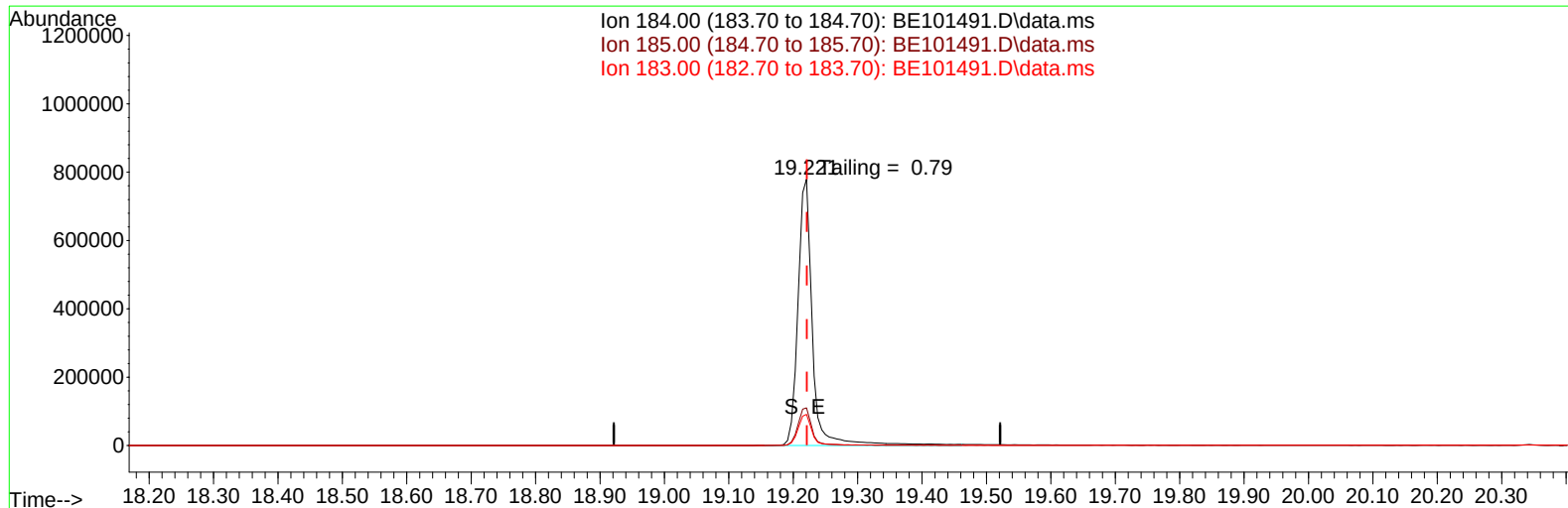
response 237313

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.40	64.98
264.00	63.40	62.72
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101491.D
Acq On : 6 Nov 2024 11:40
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DFTPP

Quant Time: Nov 06 14:00:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration



TIC: BE101491.D\data.ms

(77) Benzidine

19.221min (-0.001) 515869.86 ng

response 1191601

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.16
183.00	11.60	11.67
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/6/2024	BNA_E	<u>BE101491.D</u>
Compound Name	Response	Retention Time
DDT	583091	20.343
DDD	92284	19.914
DDE	1528	19.397
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
93812	676903	13.86

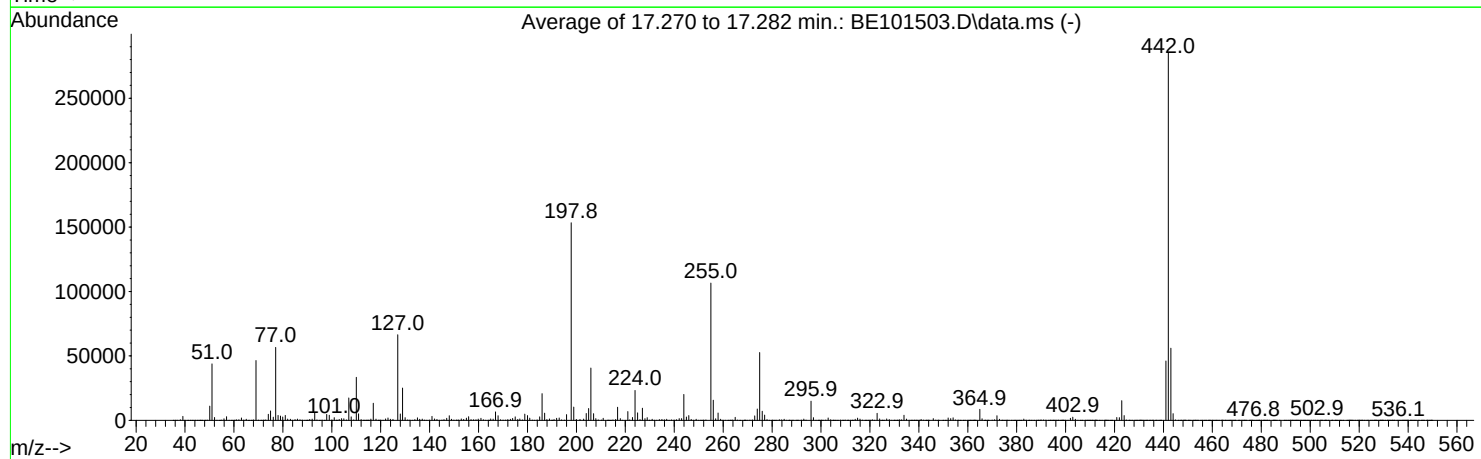
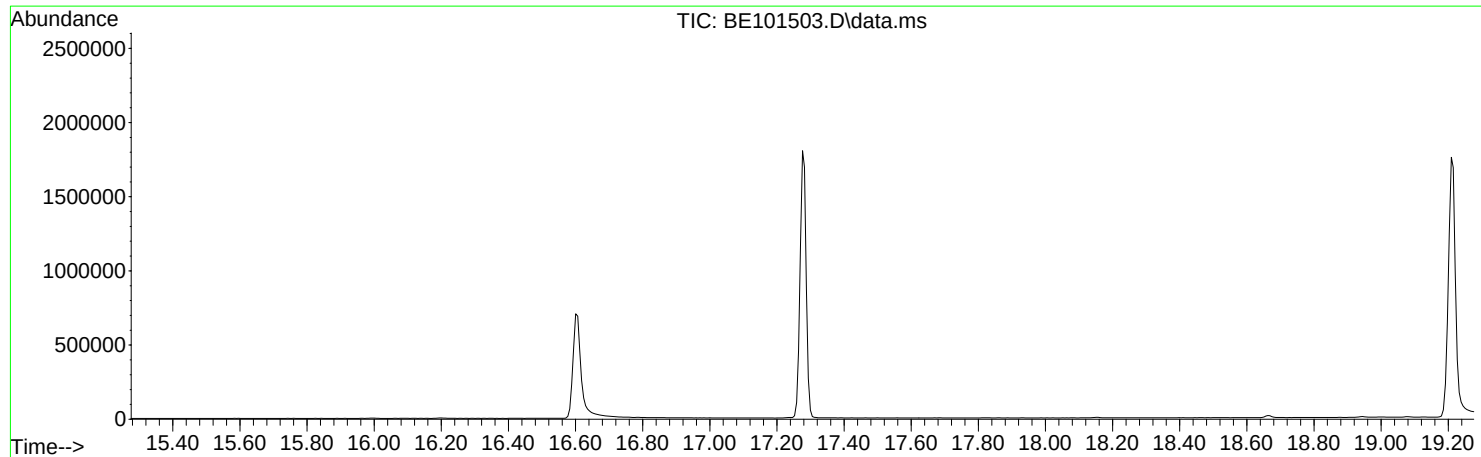
Instrument :
BNA_E
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101503.D
Acq On : 6 Nov 2024 19:52
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-BE110624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Nov 07 00:01:20 2024



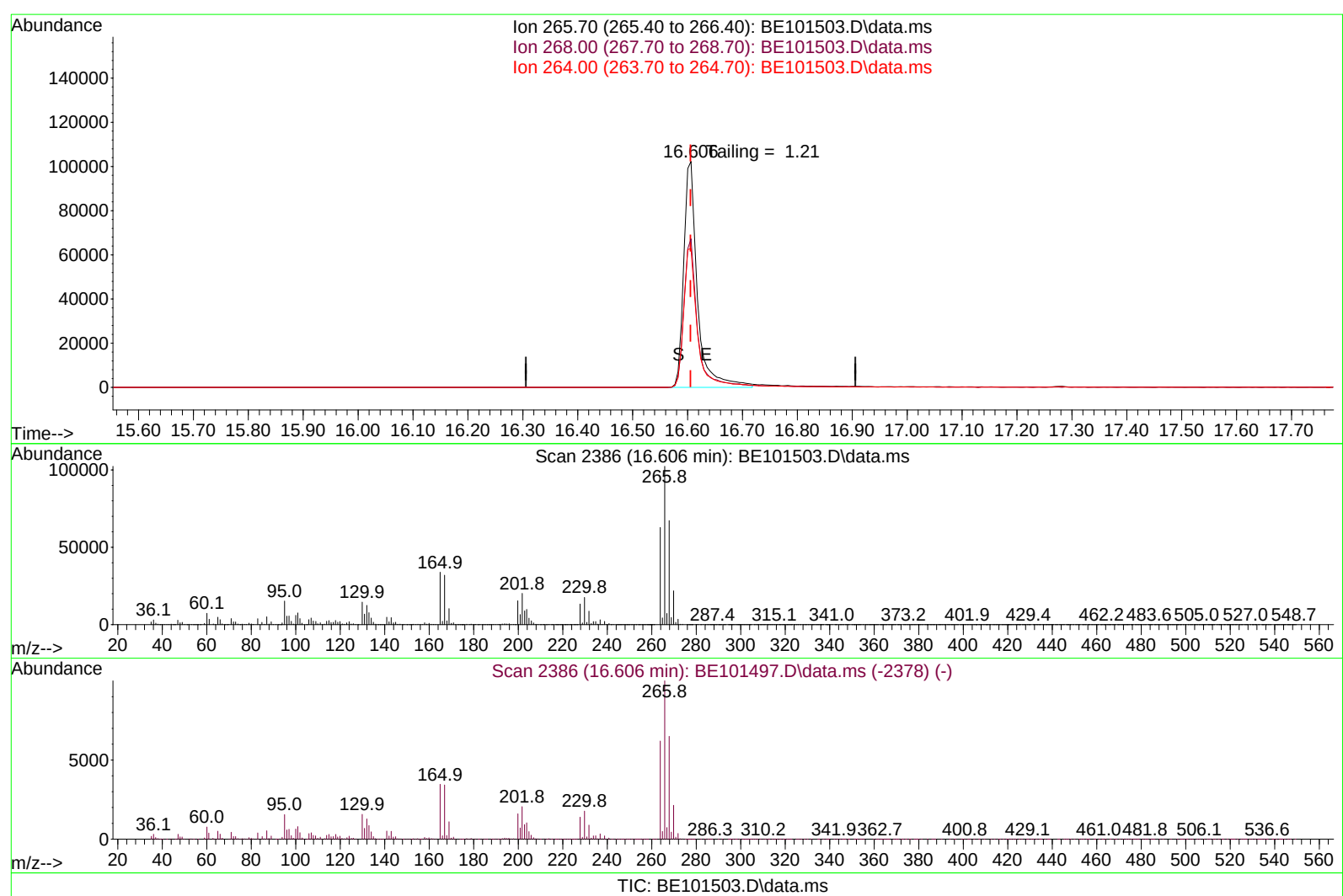
AutoFind: Scans 2499, 2500, 2501; Background Corrected with Scan 2489

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	28.6	43910	PASS
68	69	0.00	2	0.9	413	PASS
69	198	0.00	100	30.3	46502	PASS
70	69	0.00	2	0.4	201	PASS
127	198	10	80	43.3	66441	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	153415	PASS
199	198	5	9	6.7	10338	PASS
275	198	10	60	34.3	52667	PASS
365	198	1	100	5.5	8512	PASS
441	198	0.01	100	30.0	46040	PASS
442	442	50	100	100.0	285525	PASS
443	442	15	24	19.6	56020	PASS

```
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101503.D
Acq On    : 6 Nov 2024 19:52
Operator  : RC/JU
Sample    : DFTPP
Misc      :
ALS Vial  : 1 Sample Multiplier: 1
```

Instrument :
BNA_E
ClientSampleId :
DFTPP

Quant Time: Nov 07 00:16:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration



(70) Pentachlorophenol (C)

16.606min (+ 0.001) 489518.90 ng

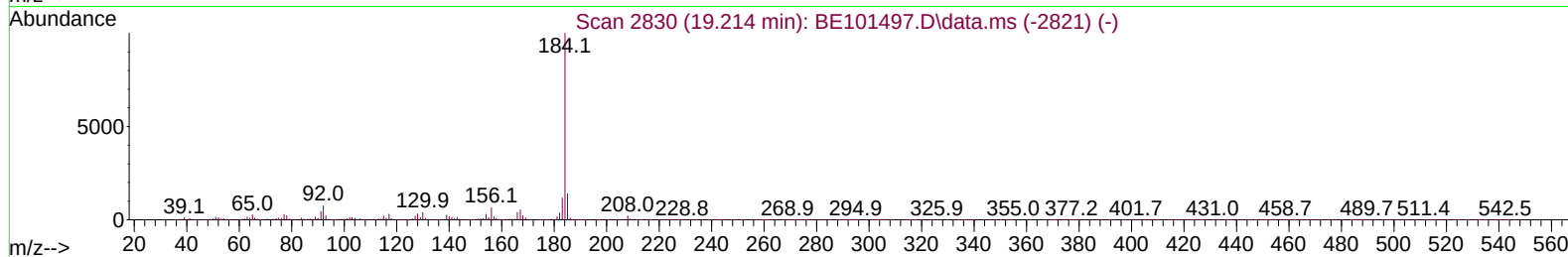
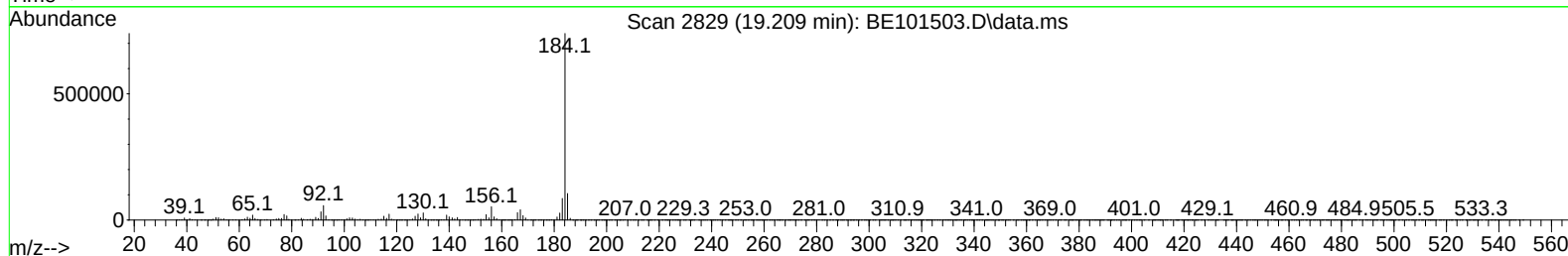
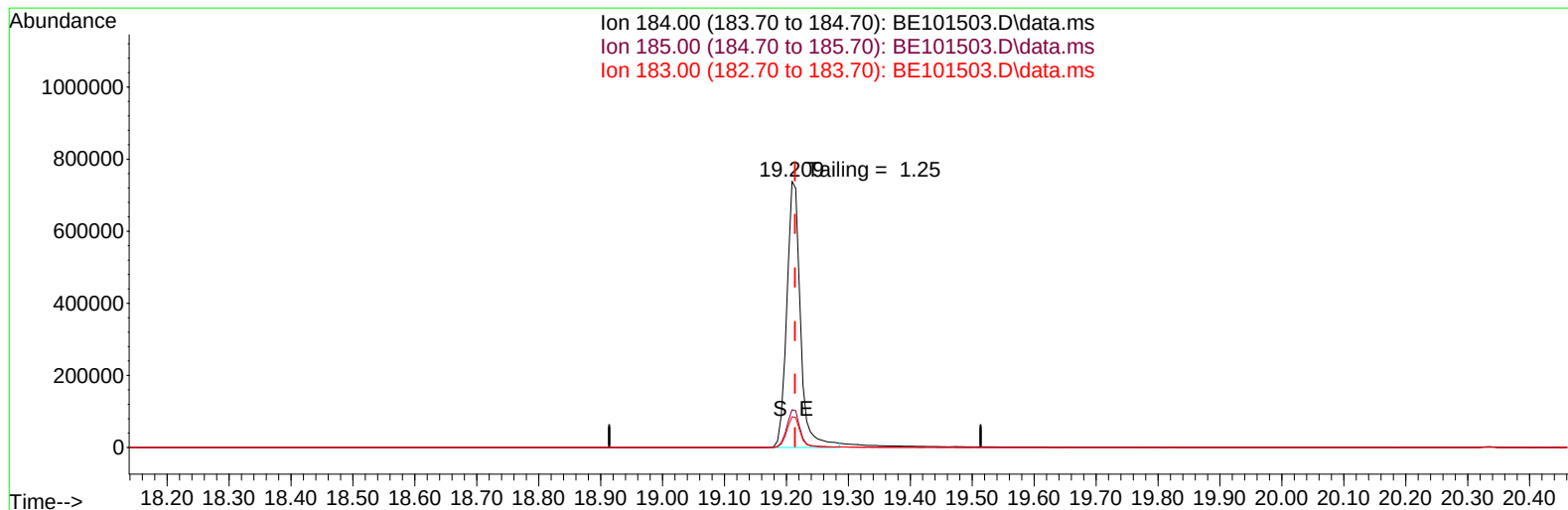
response **181203**

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.00	65.72
264.00	62.00	61.40
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101503.D
Acq On : 6 Nov 2024 19:52
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DFTPP

Quant Time: Nov 07 00:16:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration



TIC: BE101503.D\data.ms

(77) Benzidine**19.209min (-0.005) 546347.88 ng****response 1185344**

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.00	14.21
183.00	11.70	11.60
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/6/2024	BNA_E	<u>BE101503.D</u>
Compound Name	Response	Retention Time
DDT	652477	20.337
DDD	22005	19.902
DDE	898	19.391
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
22903	675380	3.39

Instrument :
BNA_E
ClientSampleId :
DFTPP

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	PB164561BL	SDG No.:	P4660
Lab Sample ID:	PB164561BL	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101502.D	1	11/05/24 08:54	11/06/24 19:16	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.60	U	1.60	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	162		15 (10) - 110 (139)	108%	SPK: 150
13127-88-3	Phenol-d6	146		15 (10) - 110 (134)	97%	SPK: 150
4165-60-0	Nitrobenzene-d5	102		30 (49) - 130 (133)	102%	SPK: 100
321-60-8	2-Fluorobiphenyl	106		30 (52) - 130 (132)	106%	SPK: 100
118-79-6	2,4,6-Tribromophenol	147		15 (44) - 110 (137)	98%	SPK: 150
1718-51-0	Terphenyl-d14	101		30 (48) - 130 (125)	101%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	49800	7.564			
1146-65-2	Naphthalene-d8	204000	10.331			
15067-26-2	Acenaphthene-d10	134000	14.174			
1517-22-2	Phenanthrene-d10	307000	16.906			
1719-03-5	Chrysene-d12	393000	21.066			
1520-96-3	Perylene-d12	574000	23.351			

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	PB164561BL	SDG No.:	P4660
Lab Sample ID:	PB164561BL	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101502.D	1	11/05/24 08:54	11/06/24 19:16	PB164561

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\BE110624\
Data File : BE101502.D
Acq On : 6 Nov 2024 19:16
Operator : RC/JU
Sample : PB164561BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB164561BL

Quant Time: Nov 07 01:03:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.564	152	49754	20.000	ng	0.00
21) Naphthalene-d8	10.331	136	204369	20.000	ng	0.00
39) Acenaphthene-d10	14.174	164	133519	20.000	ng	0.00
64) Phenanthrene-d10	16.906	188	306761	20.000	ng	0.00
76) Chrysene-d12	21.066	240	392502	20.000	ng	-0.01
86) Perylene-d12	23.351	264	573520	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.314	112	456176	162.118	ng	0.00
7) Phenol-d6	6.947	99	563729	146.119	ng	0.00
23) Nitrobenzene-d5	8.774	82	329032	101.695	ng	0.00
42) 2,4,6-Tribromophenol	15.678	330	370270	147.376	ng	0.00
45) 2-Fluorobiphenyl	12.793	172	865426	105.833	ng	0.00
79) Terphenyl-d14	19.503	244	1799718	101.497	ng	0.00

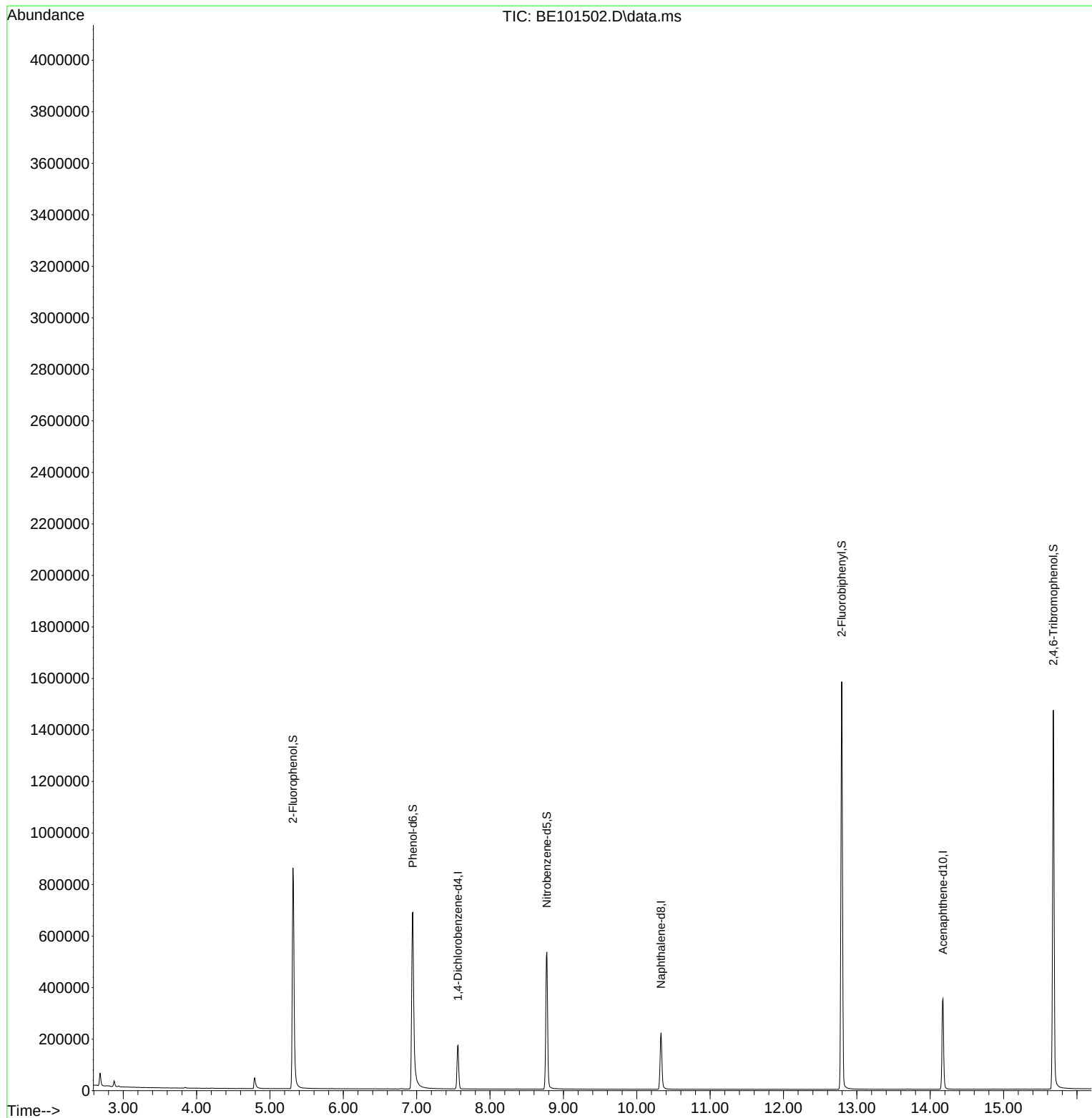
Target Compounds	Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101502.D
Acq On : 6 Nov 2024 19:16
Operator : RC/JU
Sample : PB164561BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB164561BL

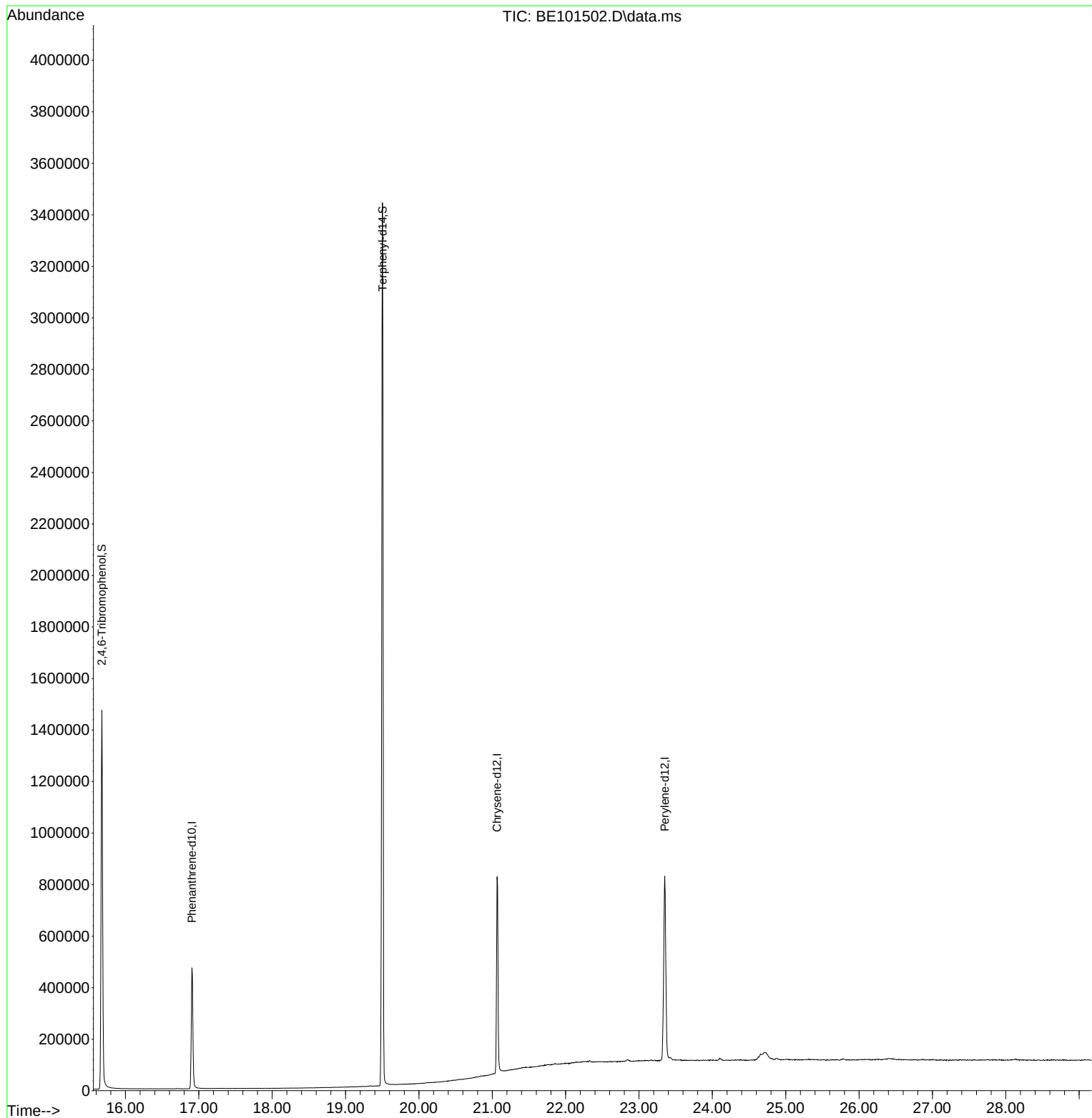
Quant Time: Nov 07 01:03:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

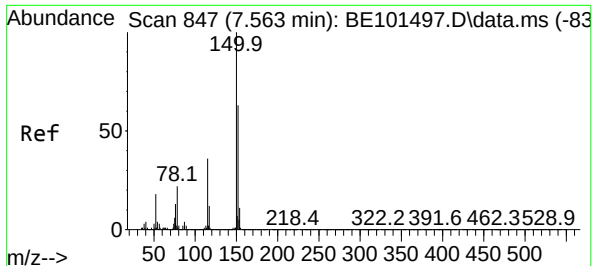


Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101502.D
Acq On : 6 Nov 2024 19:16
Operator : RC/JU
Sample : PB164561BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB164561BL

Quant Time: Nov 07 01:03:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

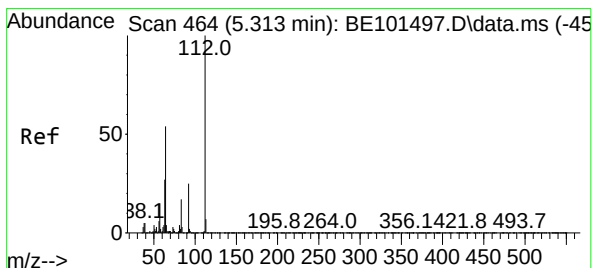
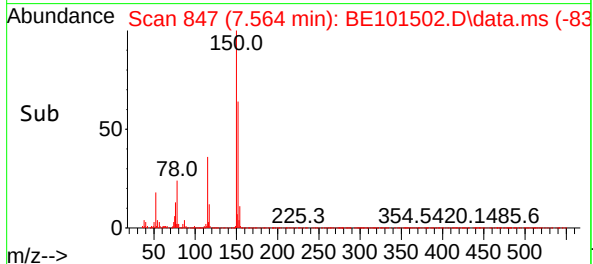
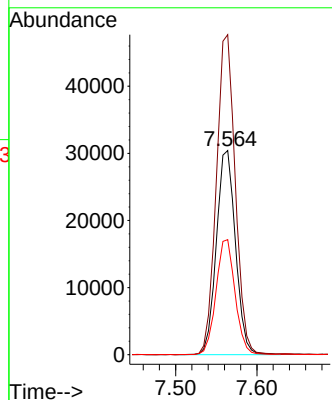
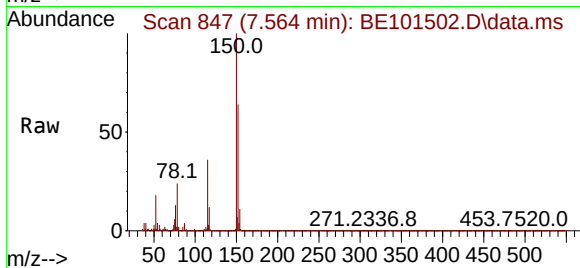




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.564 min Scan# 847
Delta R.T. 0.001 min
Lab File: BE101502.D
Acq: 6 Nov 2024 19:16

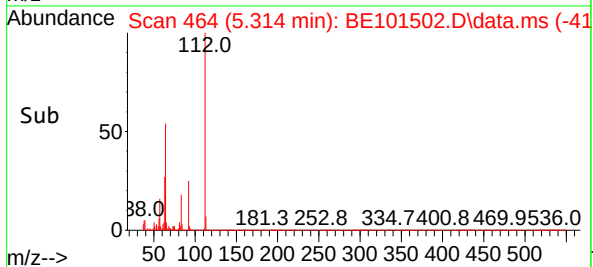
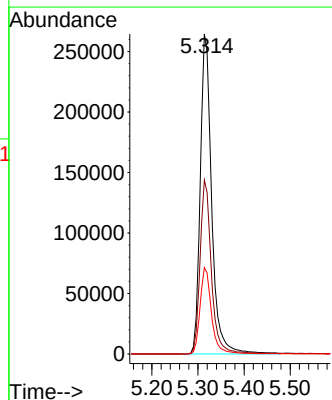
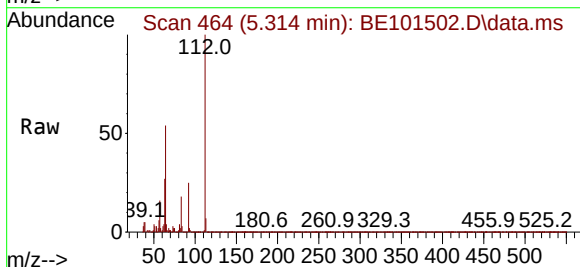
Instrument :
BNA_E
ClientSampleId :
PB164561BL

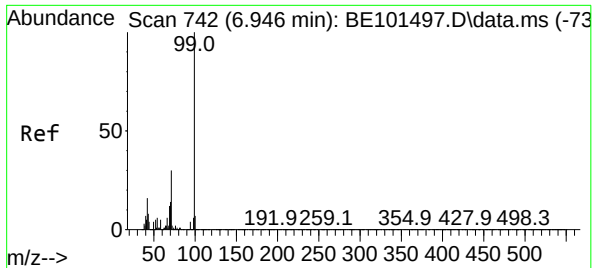
Tgt Ion:152 Resp: 49754
Ion Ratio Lower Upper
152 100
150 156.7 126.3 189.5
115 56.3 45.0 67.4



#5
2-Fluorophenol
Concen: 162.118 ng
RT: 5.314 min Scan# 464
Delta R.T. 0.001 min
Lab File: BE101502.D
Acq: 6 Nov 2024 19:16

Tgt Ion:112 Resp: 456176
Ion Ratio Lower Upper
112 100
64 54.4 43.2 64.8
63 27.0 21.8 32.6

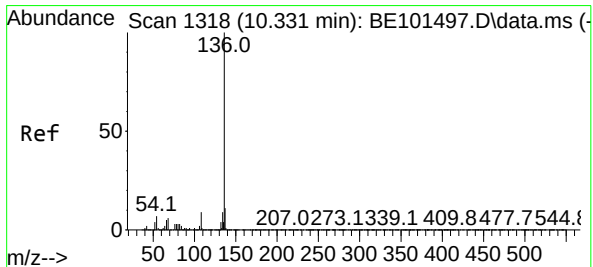
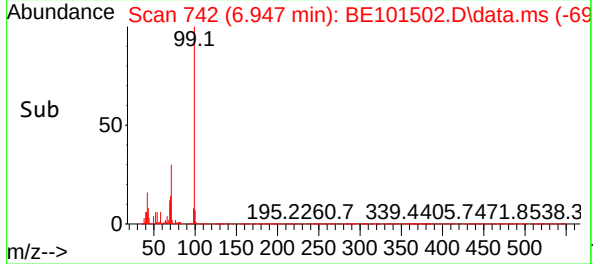
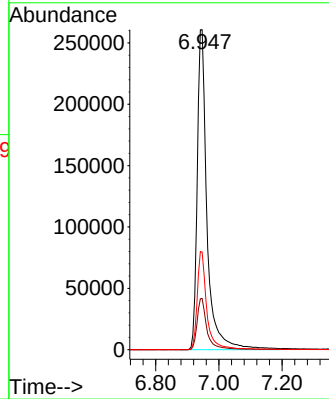
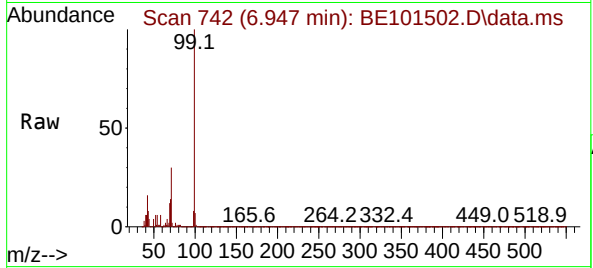




#7
Phenol-d6
Concen: 146.119 ng
RT: 6.947 min Scan# 742
Delta R.T. 0.001 min
Lab File: BE101502.D
Acq: 6 Nov 2024 19:16

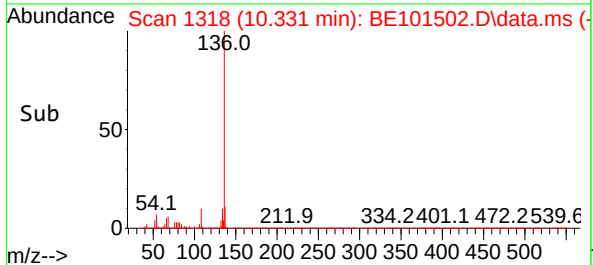
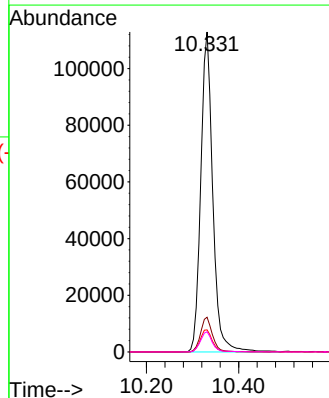
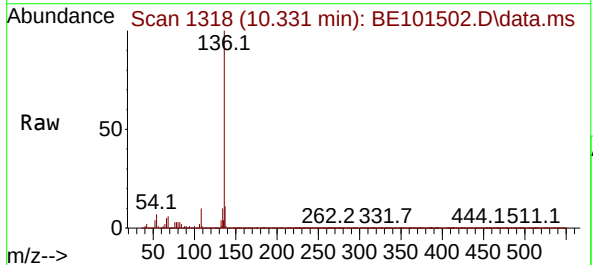
Instrument :
BNA_E
ClientSampleId :
PB164561BL

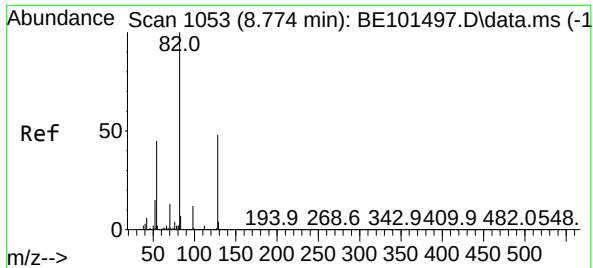
Tgt Ion: 99 Resp: 563729
Ion Ratio Lower Upper
99 100
42 16.0 12.5 18.7
71 30.5 24.2 36.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.331 min Scan# 1318
Delta R.T. 0.001 min
Lab File: BE101502.D
Acq: 6 Nov 2024 19:16

Tgt Ion: 136 Resp: 204369
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 6.9 5.6 8.4
68 6.3 4.8 7.2

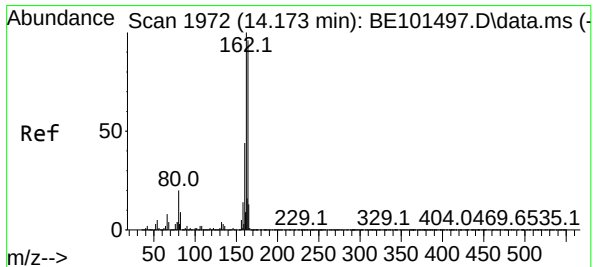
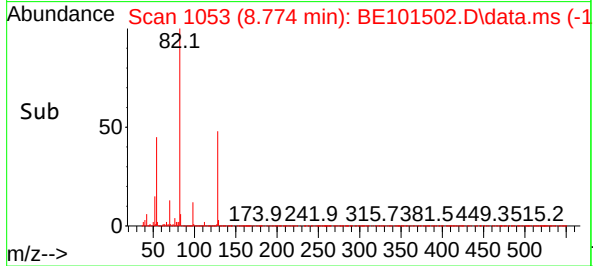
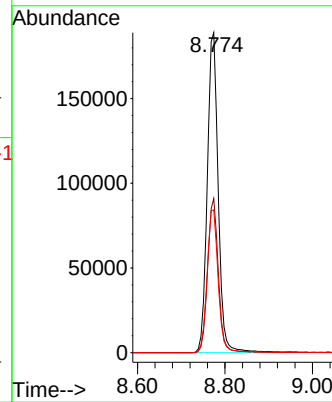
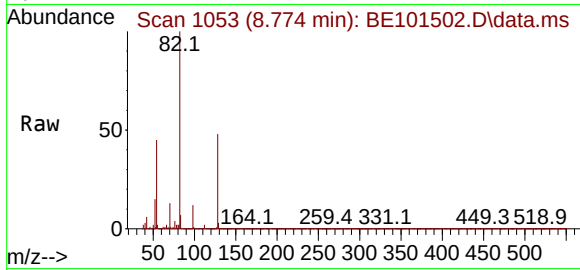




#23
Nitrobenzene-d5
Concen: 101.695 ng
RT: 8.774 min Scan# 1053
Delta R.T. 0.001 min
Lab File: BE101502.D
Acq: 6 Nov 2024 19:16

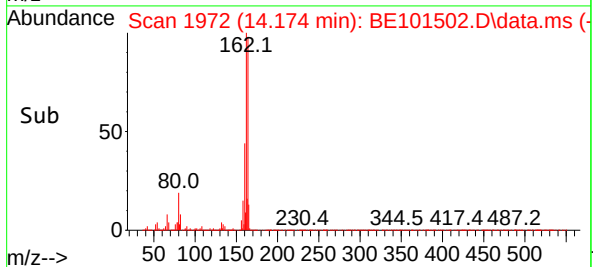
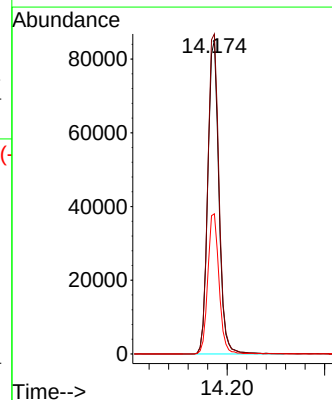
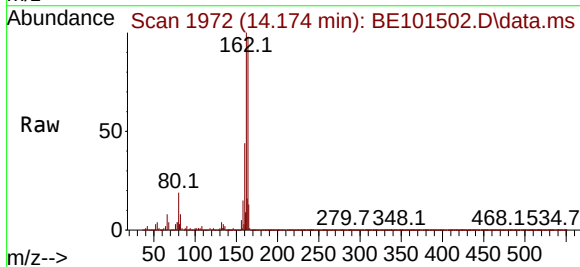
Instrument :
BNA_E
ClientSampleId :
PB164561BL

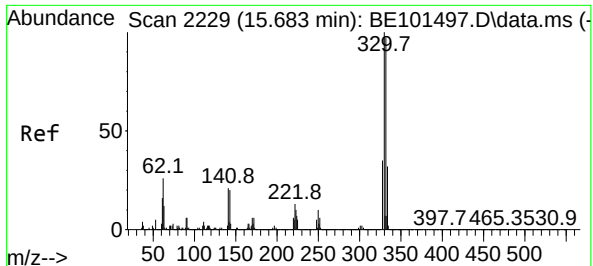
Tgt Ion: 82 Resp: 329032
Ion Ratio Lower Upper
82 100
128 48.2 38.6 58.0
54 44.6 36.3 54.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.174 min Scan# 1972
Delta R.T. 0.001 min
Lab File: BE101502.D
Acq: 6 Nov 2024 19:16

Tgt Ion: 164 Resp: 133519
Ion Ratio Lower Upper
164 100
162 102.0 83.7 125.5
160 44.6 37.1 55.7

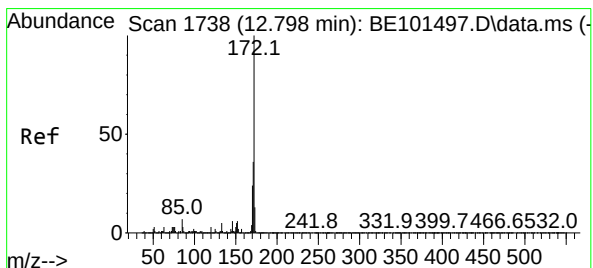
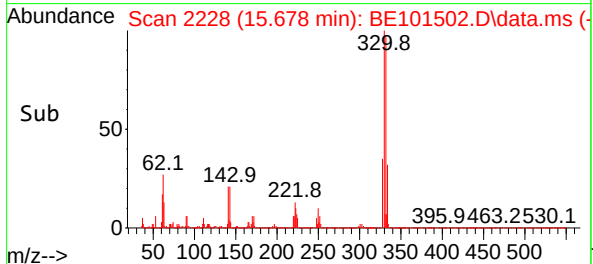
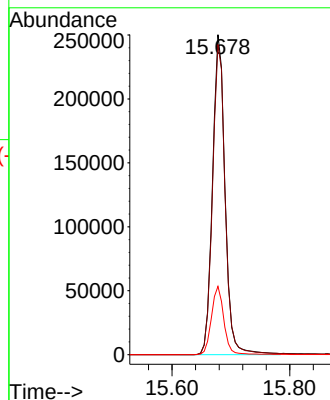
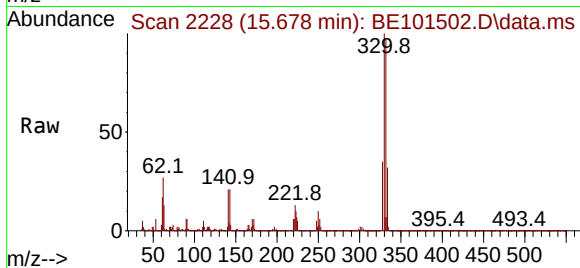




#42
2,4,6-Tribromophenol
Concen: 147.376 ng
RT: 15.678 min Scan# 21
Delta R.T. -0.005 min
Lab File: BE101502.D
Acq: 6 Nov 2024 19:16

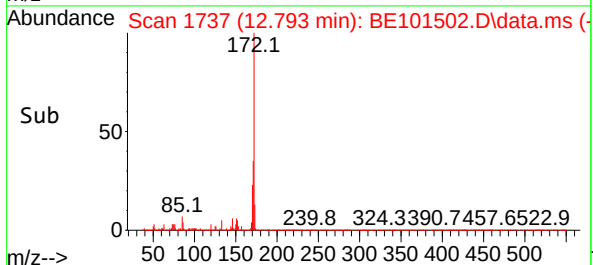
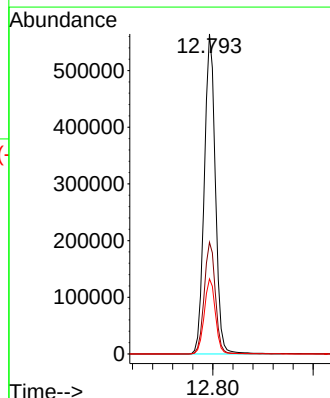
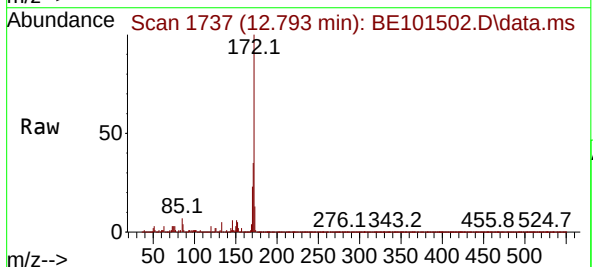
Instrument :
BNA_E
ClientSampleId :
PB164561BL

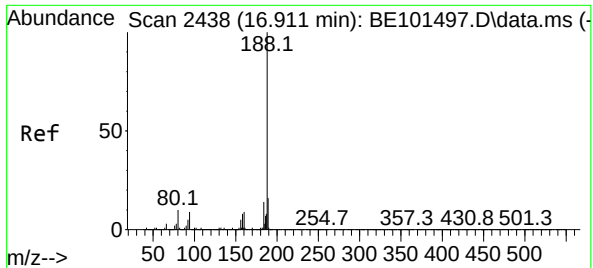
Tgt Ion:330 Resp: 370270
Ion Ratio Lower Upper
330 100
332 98.5 77.7 116.5
141 21.4 17.0 25.4



#45
2-Fluorobiphenyl
Concen: 105.833 ng
RT: 12.793 min Scan# 1737
Delta R.T. -0.005 min
Lab File: BE101502.D
Acq: 6 Nov 2024 19:16

Tgt Ion:172 Resp: 865426
Ion Ratio Lower Upper
172 100
171 34.9 28.6 43.0
170 23.5 18.9 28.3

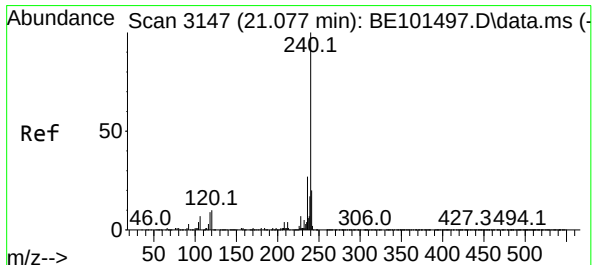
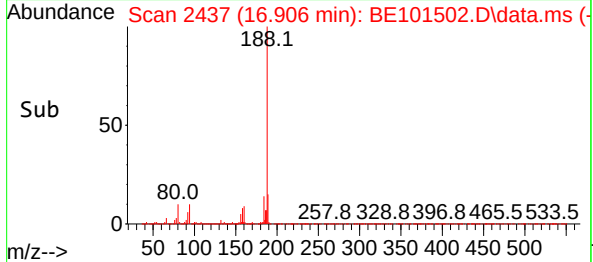
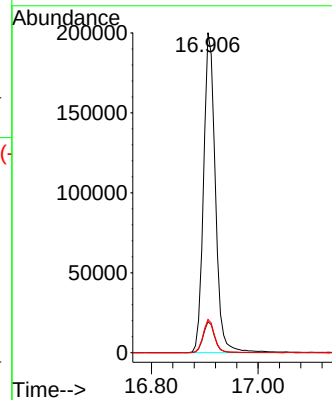
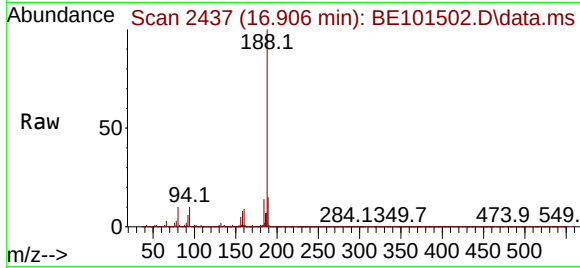




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.906 min Scan# 2437
Delta R.T. -0.005 min
Lab File: BE101502.D
Acq: 6 Nov 2024 19:16

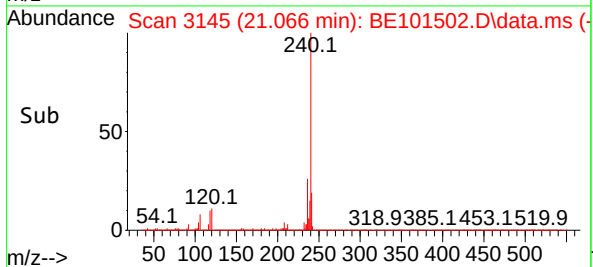
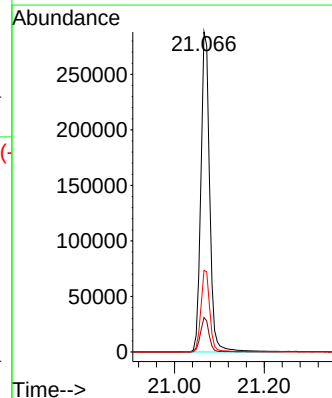
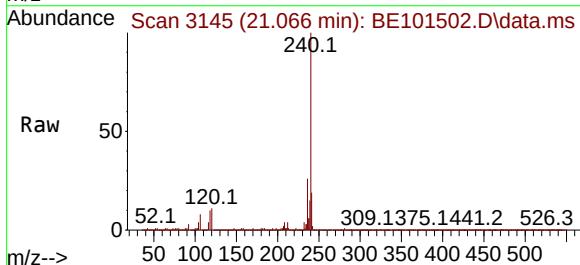
Instrument :
BNA_E
ClientSampleId :
PB164561BL

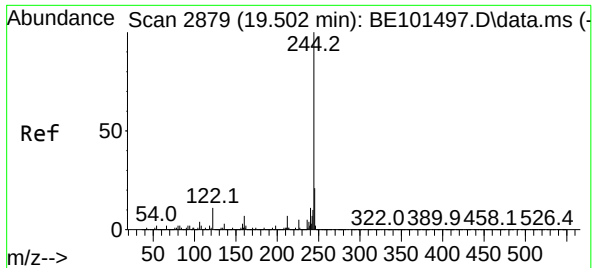
Tgt Ion:188 Resp: 306761
Ion Ratio Lower Upper
188 100
94 9.7 7.4 11.2
80 10.4 8.0 12.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.066 min Scan# 3145
Delta R.T. -0.011 min
Lab File: BE101502.D
Acq: 6 Nov 2024 19:16

Tgt Ion:240 Resp: 392502
Ion Ratio Lower Upper
240 100
120 10.7 8.2 12.4
236 25.5 21.4 32.2

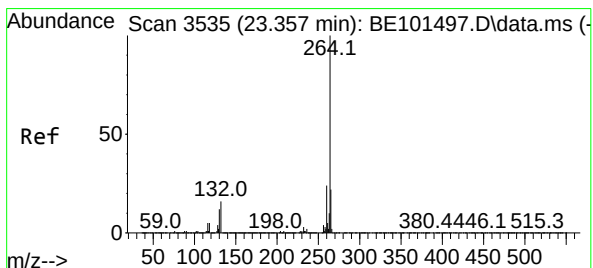
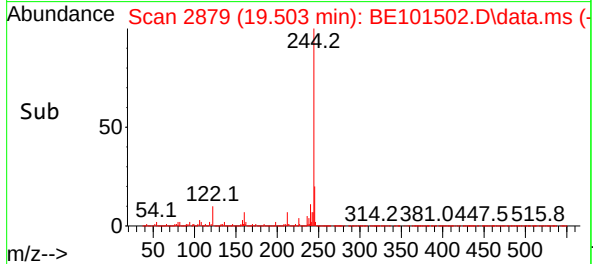
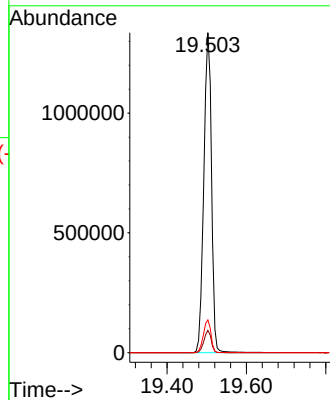
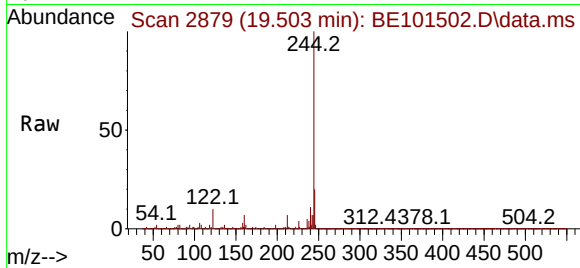




#79
Terphenyl-d14
Concen: 101.497 ng
RT: 19.503 min Scan# 21
Delta R.T. 0.001 min
Lab File: BE101502.D
Acq: 6 Nov 2024 19:16

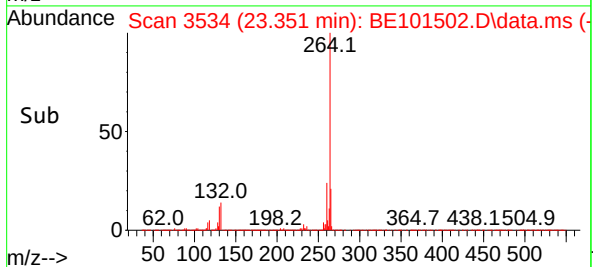
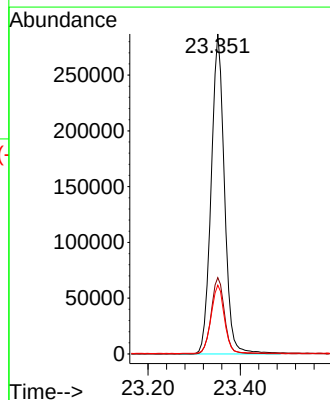
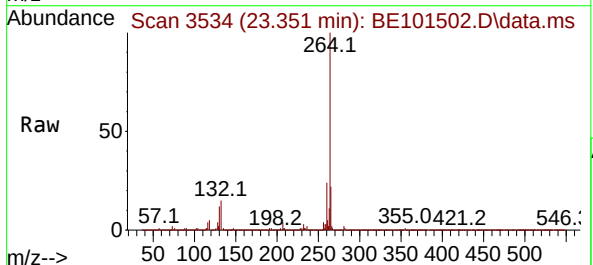
Instrument :
BNA_E
ClientSampleId :
PB164561BL

Tgt Ion:244 Resp: 1799718
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.8
122 10.3 8.4 12.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.351 min Scan# 3534
Delta R.T. -0.005 min
Lab File: BE101502.D
Acq: 6 Nov 2024 19:16

Tgt Ion:264 Resp: 573520
Ion Ratio Lower Upper
264 100
260 23.8 19.4 29.2
265 21.5 17.4 26.2



Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	PB164561BS	SDG No.:	P4660
Lab Sample ID:	PB164561BS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101506.D	1	11/05/24 08:54	11/06/24 21:40	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	37.3		1.60	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	45.0		0.84	5.00	ug/L
95-48-7	2-Methylphenol	47.4		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	47.2		1.20	10.0	ug/L
67-72-1	Hexachloroethane	44.9		1.00	5.00	ug/L
98-95-3	Nitrobenzene	44.8		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	44.2		1.30	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	49.4		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	47.5		1.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	44.0		1.50	5.00	ug/L
118-74-1	Hexachlorobenzene	46.9		1.10	5.00	ug/L
87-86-5	Pentachlorophenol	98.3	E	1.90	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	147		15 (10) - 110 (139)	98%	SPK: 150
13127-88-3	Phenol-d6	136		15 (10) - 110 (134)	91%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.0		30 (49) - 130 (133)	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	97.3		30 (52) - 130 (132)	97%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		15 (44) - 110 (137)	88%	SPK: 150
1718-51-0	Terphenyl-d14	94.2		30 (48) - 130 (125)	94%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	49300		7.559		
1146-65-2	Naphthalene-d8	217000		10.326		
15067-26-2	Acenaphthene-d10	140000		14.169		
1517-22-2	Phenanthrene-d10	296000		16.907		
1719-03-5	Chrysene-d12	378000		21.072		
1520-96-3	Perylene-d12	554000		23.352		

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	PB164561BS	SDG No.:	P4660
Lab Sample ID:	PB164561BS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101506.D	1	11/05/24 08:54	11/06/24 21:40	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\BE110624\
 Data File : BE101506.D
 Acq On : 6 Nov 2024 21:40
 Operator : RC/JU
 Sample : PB164561BS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

PB164561BS

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 07 01:05:06 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Nov 07 00:01:20 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.559	152	49257	20.000	ng	0.00
21) Naphthalene-d8	10.326	136	217361	20.000	ng	0.00
39) Acenaphthene-d10	14.169	164	139774	20.000	ng	0.00
64) Phenanthrene-d10	16.907	188	295636	20.000	ng	0.00
76) Chrysene-d12	21.072	240	377795	20.000	ng	0.00
86) Perylene-d12	23.352	264	554255	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.314	112	410176	147.241	ng	0.00
7) Phenol-d6	6.942	99	518526	135.758	ng	0.00
23) Nitrobenzene-d5	8.769	82	313107	90.989	ng	0.00
42) 2,4,6-Tribromophenol	15.679	330	345435	131.338	ng	0.00
45) 2-Fluorobiphenyl	12.794	172	832853	97.292	ng	0.00
79) Terphenyl-d14	19.504	244	1607581	94.191	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.193	88	40678	39.238	ng	98
3) Pyridine	3.622	79	108254	37.338	ng	98
4) n-Nitrosodimethylamine	3.540	42	54723	47.664	ng	93
6) Aniline	6.995	93	176058	61.415	ng	100
8) 2-Chlorophenol	7.206	128	161165	48.832	ng	99
9) Benzaldehyde	6.771	77	18288	9.789	ng	99
10) Phenol	6.965	94	205950	49.537	ng	99
11) bis(2-Chloroethyl)ether	7.024	93	141165m	41.016	ng	
12) 1,3-Dichlorobenzene	7.447	146	160480	44.539	ng	99
13) 1,4-Dichlorobenzene	7.594	146	164351	45.034	ng	99
14) 1,2-Dichlorobenzene	7.923	146	159878	44.629	ng	99
15) Benzyl Alcohol	7.900	79	100608	45.093	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.058	45	195001	47.864	ng	98
17) 2-Methylphenol	8.146	107	127550	47.387	ng	99
18) Hexachloroethane	8.616	117	55317	44.883	ng	97
19) n-Nitroso-di-n-propyla...	8.364	70	111488	44.269	ng	99
20) 3+4-Methylphenols	8.487	107	176230	47.219	ng	99
22) Acetophenone	8.411	105	222690	45.239	ng	99
24) Nitrobenzene	8.810	77	160477	44.836	ng	96
25) Isophorone	9.263	82	300963	44.941	ng	98
26) 2-Nitrophenol	9.498	139	89131	46.794	ng	99
27) 2,4-Dimethylphenol	9.615	122	130938	59.411	ng	96
28) bis(2-Chloroethoxy)met...	9.762	93	189594	46.250	ng	99
29) 2,4-Dichlorophenol	10.056	162	151325	48.367	ng	98
30) 1,2,4-Trichlorobenzene	10.173	180	151558	43.393	ng	99
31) Naphthalene	10.379	128	494068	45.025	ng	99
32) Benzoic acid	9.880	122	58370	31.143	ng	94
33) 4-Chloroaniline	10.602	127	123922	32.114	ng	99
34) Hexachlorobutadiene	10.626	225	95083	44.169	ng	98
35) Caprolactam	11.378	113	46341m	40.335	ng	
36) 4-Chloro-3-methylphenol	11.783	107	150154	43.949	ng	98
37) 2-Methylnaphthalene	11.965	142	351183	45.059	ng	99
38) 1-Methylnaphthalene	12.195	142	328634	42.281	ng	100
40) 1,2,4,5-Tetrachloroben...	12.324	216	176900	48.004	ng	98
41) Hexachlorocyclopentadiene	12.306	237	231235	215.026	ng	100
43) 2,4,6-Trichlorophenol	12.647	196	124981	49.384	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101506.D
 Acq On : 6 Nov 2024 21:40
 Operator : RC/JU
 Sample : PB164561BS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

PB164561BS

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 07 01:05:06 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Nov 07 00:01:20 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.753	196	133958	47.511	ng	98
46) 1,1'-Biphenyl	12.999	154	459003	47.607	ng	99
47) 2-Chloronaphthalene	13.046	162	353788	46.524	ng	100
48) 2-Nitroaniline	13.375	65	96482	47.931	ng	99
49) Acenaphthylene	13.904	152	567148	50.047	ng	100
50) Dimethylphthalate	13.675	163	459000	46.115	ng	100
51) 2,6-Dinitrotoluene	13.810	165	100455	43.728	ng	100
52) Acenaphthene	14.233	154	344156	47.591	ng	99
53) 3-Nitroaniline	14.222	138	79184	35.505	ng	99
54) 2,4-Dinitrophenol	14.363	184	129071	95.875	ng	97
55) Dibenzofuran	14.574	168	547550	47.020	ng	99
56) 4-Nitrophenol	14.650	139	179973	97.727	ng	96
57) 2,4-Dinitrotoluene	14.598	165	141896	43.966	ng	99
58) Fluorene	15.214	166	447800	46.077	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.844	232	121841	46.701	ng	100
60) Diethylphthalate	15.003	149	471776	44.954	ng	99
61) 4-Chlorophenyl-phenyle...	15.203	204	224496	45.490	ng	98
62) 4-Nitroaniline	15.408	138	106340	44.257	ng	99
63) Azobenzene	15.497	77	403281	47.102	ng	98
65) 4,6-Dinitro-2-methylph...	15.344	198	87380	49.792	ng	100
66) n-Nitrosodiphenylamine	15.450	169	397140	50.619	ng	99
67) 4-Bromophenyl-phenylether	16.084	248	154597	47.413	ng	98
68) Hexachlorobenzene	16.196	284	201283	46.905	ng	99
69) Atrazine	16.384	200	136688	59.011	ng	99
70) Pentachlorophenol	16.607	266	228991	98.347	ng	99
71) Phenanthrene	16.948	178	709781	49.363	ng	99
72) Anthracene	17.036	178	733097	51.628	ng	99
73) Carbazole	17.365	167	685944	48.171	ng	99
74) Di-n-butylphthalate	17.811	149	842813	47.928	ng	100
75) Fluoranthene	18.957	202	883304	47.913	ng	99
77) Benzidine	19.210	184	596895	73.551	ng	99
78) Pyrene	19.321	202	950311	44.209	ng	99
80) Butylbenzylphthalate	20.173	149	436738	45.210	ng	98
81) Benzo(a)anthracene	21.049	228	1122873	50.045	ng	99
82) 3,3'-Dichlorobenzidine	21.025	252	434178	49.157	ng	98
83) Chrysene	21.108	228	1065318	49.952	ng	99
84) Bis(2-ethylhexyl)phtha...	20.873	149	671890	46.004	ng	100
85) Di-n-octyl phthalate	21.719	149	1240398	50.202	ng	99
87) Indeno(1,2,3-cd)pyrene	25.685	276	1978830	51.954	ng	100
88) Benzo(b)fluoranthene	22.647	252	1438078	47.292	ng	99
89) Benzo(k)fluoranthene	22.694	252	1325836	48.030	ng	99
90) Benzo(a)pyrene	23.246	252	1361893	51.876	ng	99
91) Dibenzo(a,h)anthracene	25.679	278	1637193	51.613	ng	100
92) Benzo(g,h,i)perylene	26.431	276	1505833	46.726	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101506.D
 Acq On : 6 Nov 2024 21:40
 Operator : RC/JU
 Sample : PB164561BS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

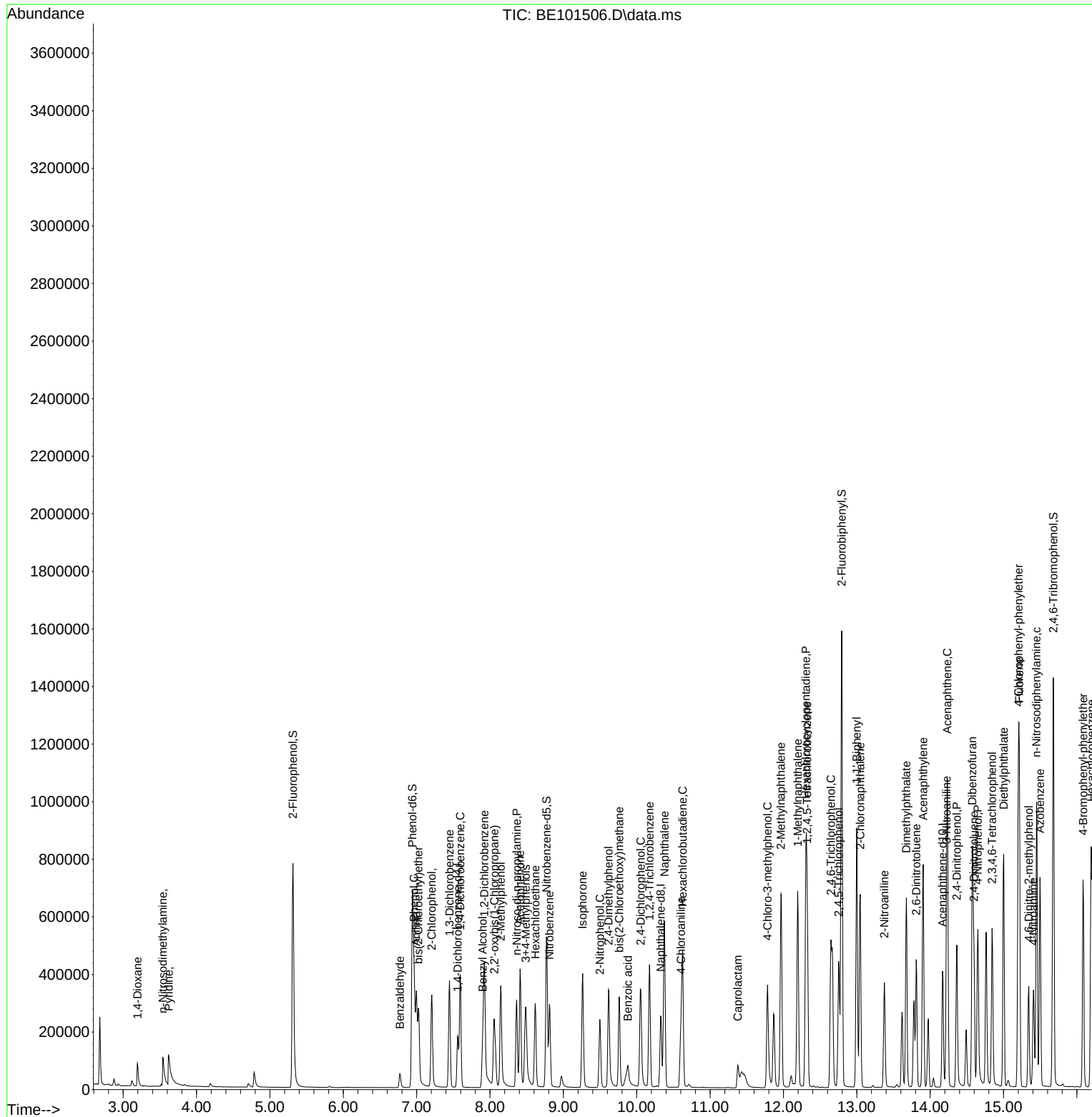
PB164561BS

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 07 01:05:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 07 00:01:20 2024
 Response via : Initial Calibration



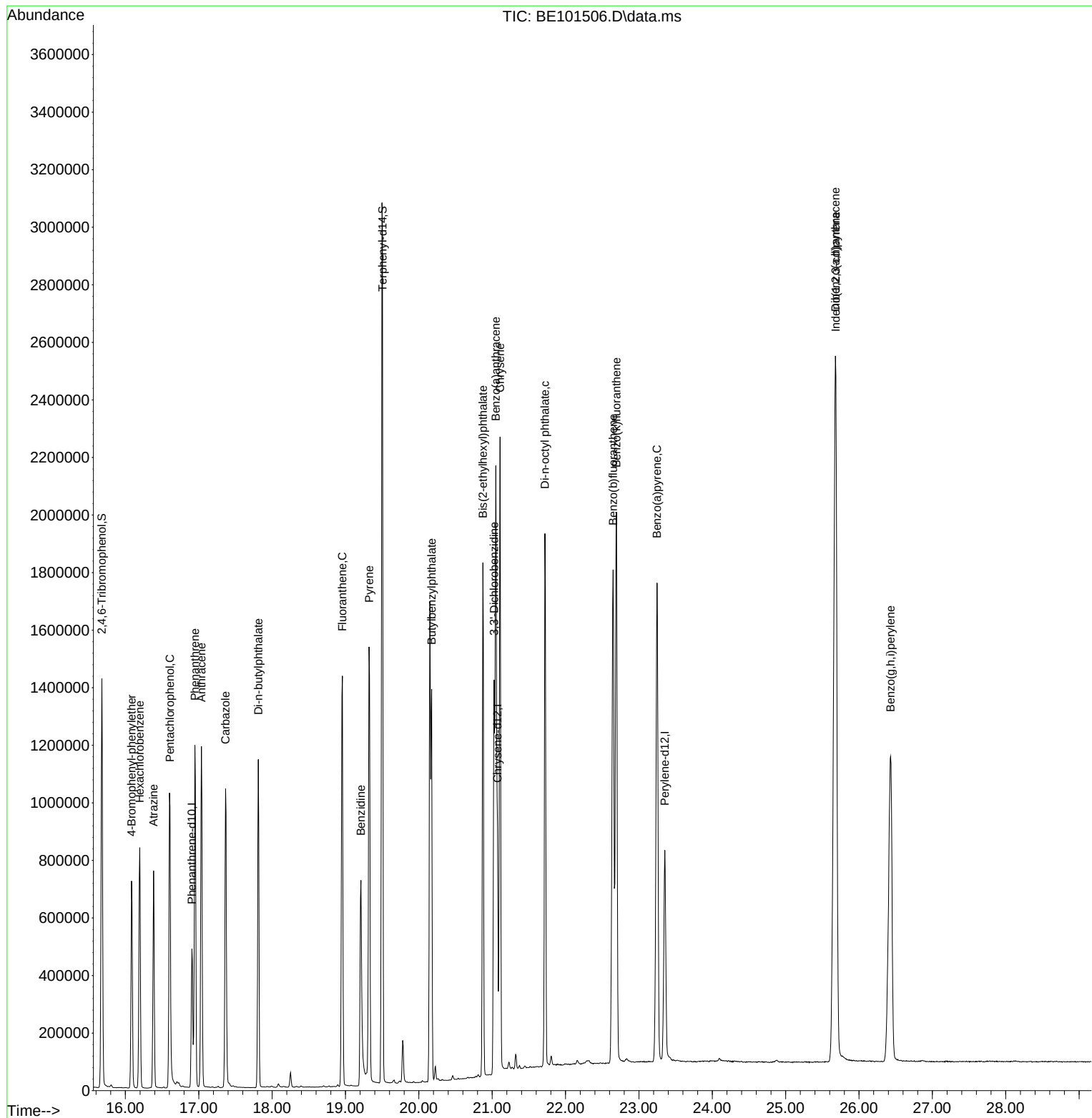
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101506.D
Acq On : 6 Nov 2024 21:40
Operator : RC/JU
Sample : PB164561BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB164561BS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 07 01:05:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration



Report of Analysis

Client:	ENTACT	Date Collected:	10/30/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/30/24
Client Sample ID:	MH-3MS	SDG No.:	P4660
Lab Sample ID:	P4640-04MS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101481.D	1	11/05/24 08:54	11/05/24 16:16	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	260		15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	260		8.40	50.0	ug/L
95-48-7	2-Methylphenol	400		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	410		11.5	100	ug/L
67-72-1	Hexachloroethane	260		10.1	50.0	ug/L
98-95-3	Nitrobenzene	370		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	330		12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	500		8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	480		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	460		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	470		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	990	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	141		15 (10) - 110 (139)	94%	SPK: 150
13127-88-3	Phenol-d6	128		15 (10) - 110 (134)	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.9		30 (49) - 130 (133)	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.2		30 (52) - 130 (132)	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	141		15 (44) - 110 (137)	94%	SPK: 150
1718-51-0	Terphenyl-d14	95.6		30 (48) - 130 (125)	96%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	74700	7.571			
1146-65-2	Naphthalene-d8	325000	10.339			
15067-26-2	Acenaphthene-d10	214000	14.181			
1517-22-2	Phenanthrene-d10	468000	16.919			
1719-03-5	Chrysene-d12	544000	21.079			
1520-96-3	Perylene-d12	698000	23.37			

Report of Analysis

Client:	ENTACT		Date Collected:	10/30/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	10/30/24	
Client Sample ID:	MH-3MS		SDG No.:	P4660	
Lab Sample ID:	P4640-04MS		Matrix:	TCLP	
Analytical Method:	SW8270		% Solid:	0	
Sample Wt/Vol:	100	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	TCLP BNA	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101481.D	1	11/05/24 08:54	11/05/24 16:16	PB164561

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 : BE101481.D
 Acq On : 5 Nov 2024 16:16
 Operator : RC/JU
 Sample : P4640-04MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

MH-3MS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/06/2024

Supervised By :mohammad ahmed 11/06/2024

Quant Time: Nov 05 16:04:17 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	7.571	152	74749	20.000	ng	0.00
21) Naphthalene-d8	10.339	136	324674	20.000	ng	0.00
39) Acenaphthene-d10	14.181	164	214275	20.000	ng	0.00
64) Phenanthrene-d10	16.919	188	468131	20.000	ng	0.00
76) Chrysene-d12	21.079	240	544407	20.000	ng	0.00
86) Perylene-d12	23.370	264	697857	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.327	112	600808	140.873	ng	0.00
7) Phenol-d6	6.954	99	758511	128.264	ng	0.00
23) Nitrobenzene-d5	8.782	82	469858	90.895	ng	0.00
42) 2,4,6-Tribromophenol	15.691	330	528472	140.718	ng	0.00
45) 2-Fluorobiphenyl	12.806	172	1179116	93.192	ng	0.00
79) Terphenyl-d14	19.510	244	2261918	95.626	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.223	88	54503	34.264	ng	# 86
3) Pyridine	3.652	79	117569	26.124	ng	99
4) n-Nitrosodimethylamine	3.558	42	66419	38.144	ng	94
6) Aniline	7.019	93	74395m	16.415	ng	
8) 2-Chlorophenol	7.213	128	204154	39.911	ng	98
9) Benzaldehyde	6.784	77	18171	6.365	ng	97
10) Phenol	6.978	94	261800	40.801	ng	99
11) bis(2-Chloroethyl)ether	7.037	93	178037m	33.823	ng	
12) 1,3-Dichlorobenzene	7.460	146	137872	24.996	ng	99
13) 1,4-Dichlorobenzene	7.607	146	143811	25.532	ng	98
14) 1,2-Dichlorobenzene	7.930	146	144734	26.251	ng	100
15) Benzyl Alcohol	7.912	79	141740	40.210	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.065	45	228815	34.542	ng	97
17) 2-Methylphenol	8.153	107	174420	40.164	ng	99
18) Hexachloroethane	8.623	117	47434	25.788	ng	98
19) n-Nitroso-di-n-propyla...	8.370	70	154047	39.255	ng	99
20) 3+4-Methylphenols	8.494	107	244589	40.802	ng	99
22) Acetophenone	8.423	105	287970	39.063	ng	98
24) Nitrobenzene	8.823	77	203755	37.034	ng	99
25) Isophorone	9.269	82	433717	42.997	ng	99
26) 2-Nitrophenol	9.510	139	117827	44.310	ng	99
27) 2,4-Dimethylphenol	9.628	122	183768	54.919	ng	99
28) bis(2-Chloroethoxy)met...	9.769	93	254615	41.622	ng	100
29) 2,4-Dichlorophenol	10.062	162	213381	46.094	ng	100
30) 1,2,4-Trichlorobenzene	10.186	180	173256	34.356	ng	99
31) Naphthalene	10.386	128	594289	35.919	ng	100
32) Benzoic acid	9.904	122	63090	23.407	ng	99
33) 4-Chloroaniline	10.621	127	37090m	6.447	ng	
34) Hexachlorobutadiene	10.632	225	99500	33.333	ng	99
35) Caprolactam	11.414	113	65048m	36.658	ng	
36) 4-Chloro-3-methylphenol	11.796	107	229730	43.585	ng	100
37) 2-Methylnaphthalene	11.978	142	477698	40.076	ng	100
38) 1-Methylnaphthalene	12.201	142	447961	37.655	ng	99
40) 1,2,4,5-Tetrachloroben...	12.336	216	237840	44.216	ng	99
41) Hexachlorocyclopentadiene	12.313	237	256500	144.386	ng	98
43) 2,4,6-Trichlorophenol	12.654	196	184249	49.686	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
 Data File : BE101481.D
 Acq On : 5 Nov 2024 16:16
 Operator : RC/JU
 Sample : P4640-04MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MH-3MS

Manual Integrations
 APPROVED

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

Quant Time: Nov 05 16:04:17 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	12.765	196	202077	47.586	ng	99
46) 1,1'-Biphenyl	13.006	154	643338	43.823	ng	99
47) 2-Chloronaphthalene	13.053	162	499032	43.026	ng	99
48) 2-Nitroaniline	13.382	65	146044	46.789	ng	99
49) Acenaphthylene	13.911	152	830834	48.440	ng	99
50) Dimethylphthalate	13.688	163	693049	45.821	ng	99
51) 2,6-Dinitrotoluene	13.823	165	151457	43.373	ng	98
52) Acenaphthene	14.246	154	507332	45.298	ng	99
53) 3-Nitroaniline	14.234	138	40902	11.780	ng	98
54) 2,4-Dinitrophenol	14.375	184	193745	78.220	ng	99
55) Dibenzofuran	14.587	168	806581	45.184	ng	98
56) 4-Nitrophenol	14.657	139	279574	87.922	ng	99
57) 2,4-Dinitrotoluene	14.610	165	220217	45.807	ng	98
58) Fluorene	15.227	166	670953	44.930	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.857	232	191013	48.684	ng	98
60) Diethylphthalate	15.010	149	715101	45.201	ng	100
61) 4-Chlorophenyl-phenyle...	15.209	204	332905	44.925	ng	99
62) 4-Nitroaniline	15.421	138	140730	36.422	ng	97
63) Azobenzene	15.509	77	605723	44.543	ng	99
65) 4,6-Dinitro-2-methylph...	15.356	198	133209	48.425	ng	97
66) n-Nitrosodiphenylamine	15.462	169	571609	46.044	ng	99
67) 4-Bromophenyl-phenylether	16.097	248	236312	47.988	ng	98
68) Hexachlorobenzene	16.208	284	306342	47.461	ng	97
69) Atrazine	16.396	200	168574	44.292	ng	99
70) Pentachlorophenol	16.614	266	368038	99.058	ng	99
71) Phenanthrene	16.960	178	1091916	48.717	ng	98
72) Anthracene	17.048	178	1130861	51.672	ng	99
73) Carbazole	17.377	167	1029420	45.970	ng	98
74) Di-n-butylphthalate	17.824	149	1307842	53.051	ng	97
75) Fluoranthene	18.964	202	1349850	49.585	ng	98
77) Benzidine	19.222	184	100014	14.475	ng	98
78) Pyrene	19.334	202	1434949	47.930	ng	97
80) Butylbenzylphthalate	20.180	149	658348	50.161	ng	99
81) Benzo(a)anthracene	21.061	228	1532388	50.079	ng	97
82) 3,3'-Dichlorobenzidine	21.032	252	194248	16.205	ng	97
83) Chrysene	21.120	228	1443364	48.787	ng	95
84) Bis(2-ethylhexyl)phtha...	20.885	149	963654	55.270	ng	99
85) Di-n-octyl phthalate	21.731	149	1648361	57.602	ng	98
87) Indeno(1,2,3-cd)pyrene	25.715	276	2329539	49.879	ng	99
88) Benzo(b)fluoranthene	22.665	252	1724018	47.405	ng	97
89) Benzo(k)fluoranthene	22.706	252	1721025	50.653	ng	97
90) Benzo(a)pyrene	23.265	252	1658010	52.129	ng	98
91) Dibenzo(a,h)anthracene	25.703	278	1911843	49.541	ng	99
92) Benzo(g,h,i)perylene	26.461	276	1754147	44.116	ng	98

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

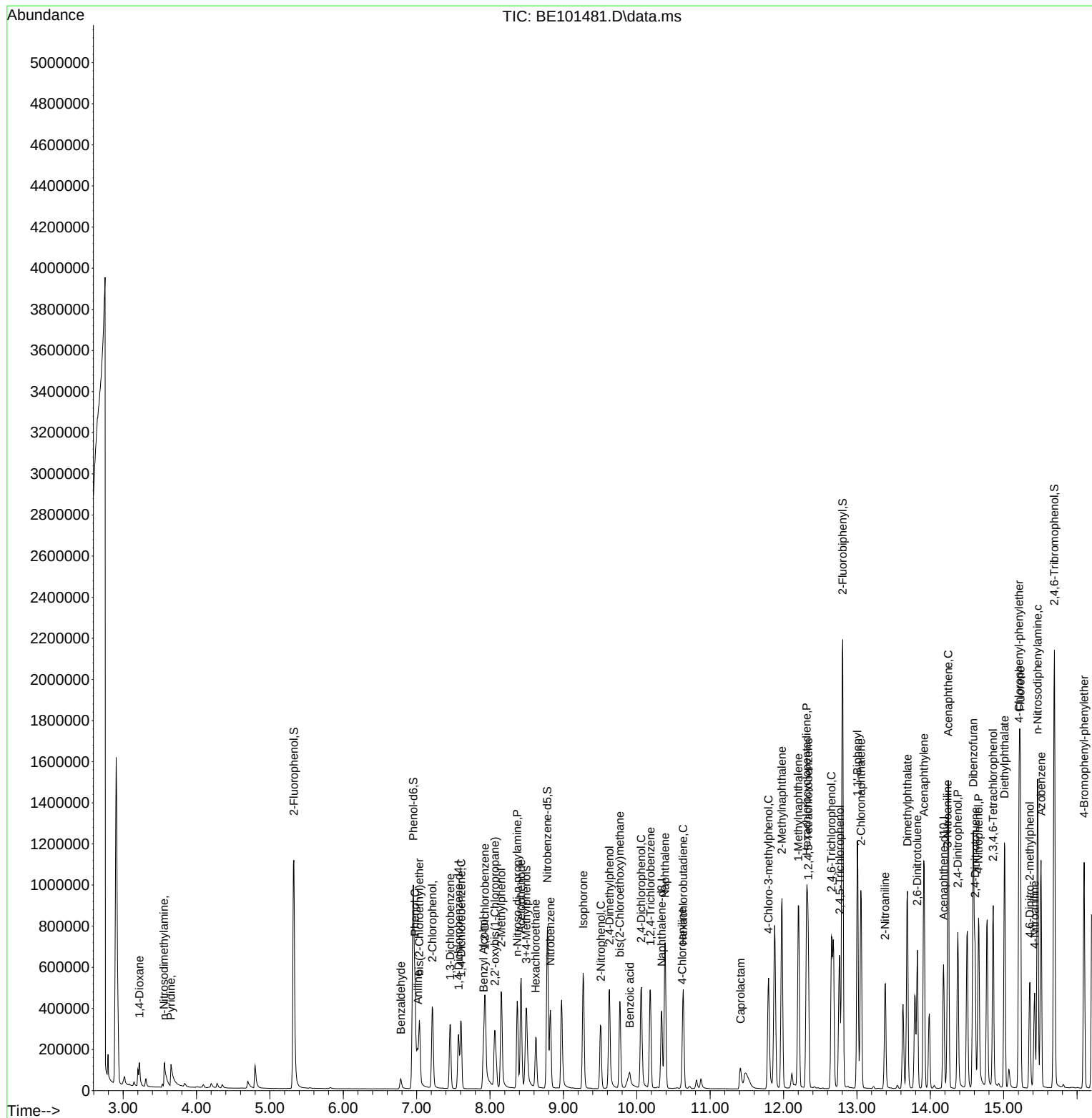
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
Data File : BE101481.D
Acq On : 5 Nov 2024 16:16
Operator : RC/JU
Sample : P4640-04MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
MH-3MS

Manual Integrations
APPROVED

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

Quant Time: Nov 05 16:04:17 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



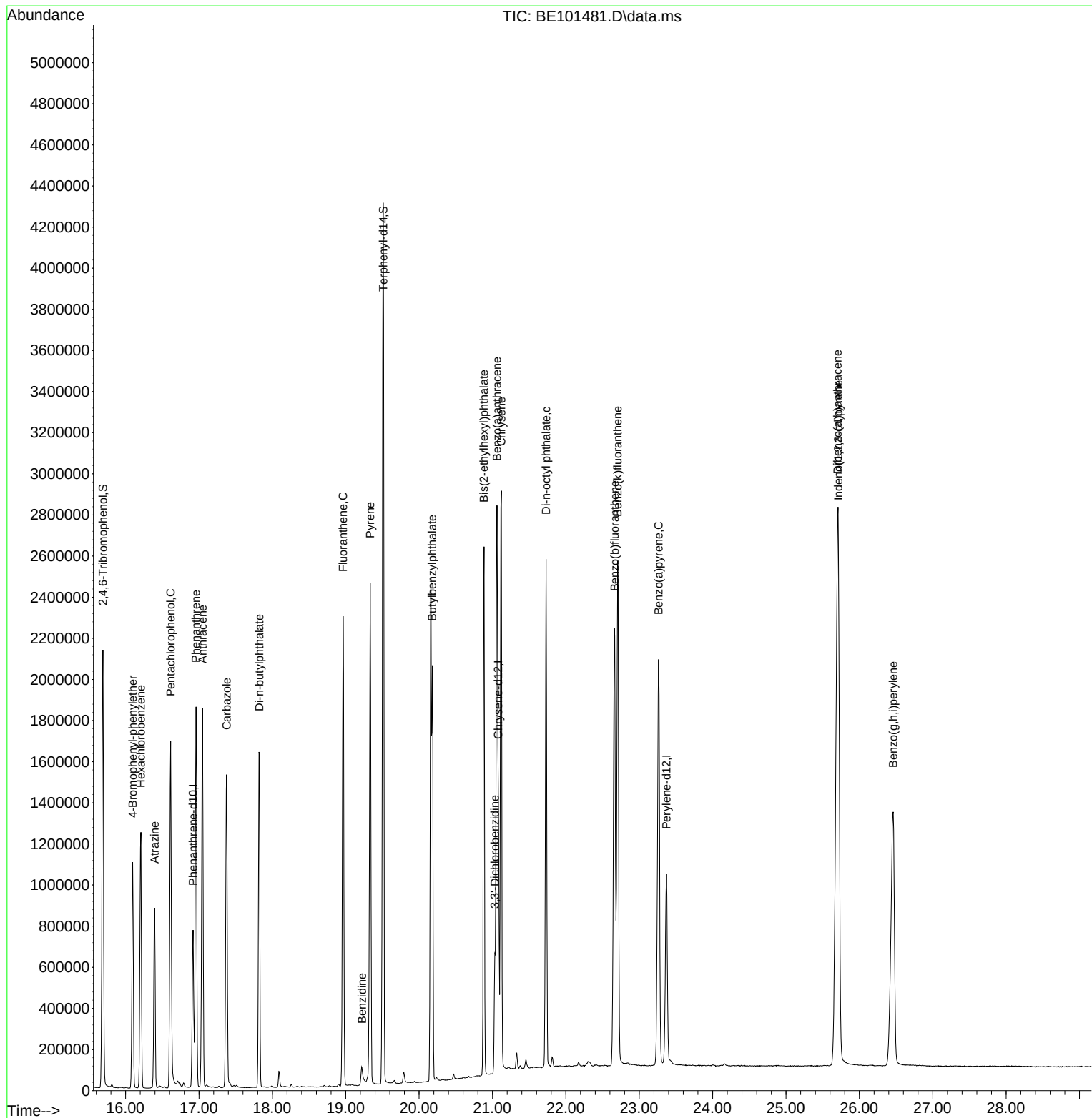
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
Data File : BE101481.D
Acq On : 5 Nov 2024 16:16
Operator : RC/JU
Sample : P4640-04MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
MH-3MS

Manual Integrations
APPROVED

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

Quant Time: Nov 05 16:04:17 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



Report of Analysis

Client:	ENTACT	Date Collected:	10/30/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/30/24
Client Sample ID:	MH-3MSD	SDG No.:	P4660
Lab Sample ID:	P4640-04MSD	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101482.D	1	11/05/24 08:54	11/05/24 16:52	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	270		15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	260		8.40	50.0	ug/L
95-48-7	2-Methylphenol	440		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	450		11.5	100	ug/L
67-72-1	Hexachloroethane	270		10.1	50.0	ug/L
98-95-3	Nitrobenzene	390		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	340		12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	530		8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	510		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	480		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	490		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	1000	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	150		15 (10) - 110 (139)	100%	SPK: 150
13127-88-3	Phenol-d6	138		15 (10) - 110 (134)	92%	SPK: 150
4165-60-0	Nitrobenzene-d5	94.8		30 (49) - 130 (133)	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	97.4		30 (52) - 130 (132)	97%	SPK: 100
118-79-6	2,4,6-Tribromophenol	146		15 (44) - 110 (137)	98%	SPK: 150
1718-51-0	Terphenyl-d14	97.8		30 (48) - 130 (125)	98%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	70900	7.571			
1146-65-2	Naphthalene-d8	316000	10.338			
15067-26-2	Acenaphthene-d10	211000	14.181			
1517-22-2	Phenanthrene-d10	459000	16.918			
1719-03-5	Chrysene-d12	529000	21.084			
1520-96-3	Perylene-d12	687000	23.37			

Report of Analysis

Client:	ENTACT	Date Collected:	10/30/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/30/24
Client Sample ID:	MH-3MSD	SDG No.:	P4660
Lab Sample ID:	P4640-04MSD	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101482.D	1	11/05/24 08:54	11/05/24 16:52	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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 : BE101482.D
 Acq On : 5 Nov 2024 16:52
 Operator : RC/JU
 Sample : P4640-04MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

MH-3MSD

Manual Integrations

APPROVED

Reviewed By :Yogesh
 Patel

11/06/2024

Supervised By :mohammad
 ahmed

Quant Time: Nov 05 17:00:49 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	7.571	152	70903	20.000	ng	0.00
21) Naphthalene-d8	10.338	136	316494	20.000	ng	0.00
39) Acenaphthene-d10	14.181	164	211098	20.000	ng	0.00
64) Phenanthrene-d10	16.918	188	458730	20.000	ng	0.00
76) Chrysene-d12	21.084	240	529239	20.000	ng	0.00
86) Perylene-d12	23.370	264	687004	20.000	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.320	112	606143	149.834	ng	0.00
7) Phenol-d6	6.954	99	771449	137.528	ng	0.00
23) Nitrobenzene-d5	8.781	82	477718	94.805	ng	0.00
42) 2,4,6-Tribromophenol	15.691	330	541731	146.419	ng	0.00
45) 2-Fluorobiphenyl	12.806	172	1213699	97.369	ng	0.00
79) Terphenyl-d14	19.510	244	2248214	97.770	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.217	88	51243	33.962	ng	# 53
3) Pyridine	3.652	79	115833	27.135	ng	98
4) n-Nitrosodimethylamine	3.558	42	63320	38.337	ng	96
6) Aniline	7.018	93	73415m	17.077	ng	
8) 2-Chlorophenol	7.212	128	208071	42.883	ng	99
9) Benzaldehyde	6.783	77	16216	5.988	ng	98
10) Phenol	6.977	94	267994	44.032	ng	98
11) bis(2-Chloroethyl)ether	7.036	93	176920m	35.434	ng	
12) 1,3-Dichlorobenzene	7.459	146	134287	25.667	ng	97
13) 1,4-Dichlorobenzene	7.606	146	140925	26.377	ng	99
14) 1,2-Dichlorobenzene	7.929	146	143628	27.463	ng	99
15) Benzyl Alcohol	7.911	79	142763	42.697	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.064	45	230289	36.651	ng	97
17) 2-Methylphenol	8.152	107	180133	43.729	ng	99
18) Hexachloroethane	8.622	117	46296	26.534	ng	99
19) n-Nitroso-di-n-propyla...	8.370	70	156410	42.019	ng	98
20) 3+4-Methylphenols	8.493	107	253732	44.623	ng	99
22) Acetophenone	8.423	105	294199	40.939	ng	97
24) Nitrobenzene	8.822	77	206802	38.559	ng	98
25) Isophorone	9.269	82	446476	45.406	ng	99
26) 2-Nitrophenol	9.510	139	119844	46.233	ng	99
27) 2,4-Dimethylphenol	9.627	122	190965	58.545	ng	99
28) bis(2-Chloroethoxy)met...	9.768	93	259939	43.591	ng	98
29) 2,4-Dichlorophenol	10.062	162	222094	49.216	ng	99
30) 1,2,4-Trichlorobenzene	10.185	180	174095	35.415	ng	98
31) Naphthalene	10.385	128	604398	37.474	ng	100
32) Benzoic acid	9.909	122	82396	28.568	ng	97
33) 4-Chloroaniline	10.620	127	31210m	5.565	ng	
34) Hexachlorobutadiene	10.632	225	98828	33.964	ng	100
35) Caprolactam	11.413	113	67641m	39.104	ng	
36) 4-Chloro-3-methylphenol	11.795	107	237119	46.150	ng	100
37) 2-Methylnaphthalene	11.977	142	485780	41.807	ng	99
38) 1-Methylnaphthalene	12.206	142	458311	39.520	ng	99
40) 1,2,4,5-Tetrachloroben...	12.336	216	239808	45.253	ng	99
41) Hexachlorocyclopentadiene	12.318	237	270499	154.557	ng	100
43) 2,4,6-Trichlorophenol	12.653	196	192099	52.583	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
 Data File : BE101482.D
 Acq On : 5 Nov 2024 16:52
 Operator : RC/JU
 Sample : P4640-04MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

MH-3MSD

Manual Integrations

APPROVED

Reviewed By :Yogesh
 Patel

11/06/2024

Supervised By :mohammad
 ahmed

Quant Time: Nov 05 17:00:49 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	12.765	196	211609	50.581	ng	99
46) 1,1'-Biphenyl	13.011	154	663722	45.892	ng	99
47) 2-Chloronaphthalene	13.052	162	510203	44.652	ng	99
48) 2-Nitroaniline	13.387	65	150789	49.036	ng	97
49) Acenaphthylene	13.916	152	853443	50.507	ng	99
50) Dimethylphthalate	13.687	163	722325	48.476	ng	99
51) 2,6-Dinitrotoluene	13.822	165	157480	45.776	ng	98
52) Acenaphthene	14.245	154	522820	47.384	ng	100
53) 3-Nitroaniline	14.233	138	48570	14.198	ng	97
54) 2,4-Dinitrophenol	14.374	184	209746	85.399	ng	98
55) Dibenzofuran	14.586	168	832109	47.316	ng	99
56) 4-Nitrophenol	14.662	139	291457	93.038	ng	99
57) 2,4-Dinitrotoluene	14.609	165	226931	47.914	ng	99
58) Fluorene	15.226	166	689800	46.887	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.856	232	196455	50.825	ng	99
60) Diethylphthalate	15.015	149	736065	47.226	ng	99
61) 4-Chlorophenyl-phenyle...	15.209	204	344527	47.193	ng	99
62) 4-Nitroaniline	15.420	138	140300	36.857	ng	98
63) Azobenzene	15.508	77	625342	46.678	ng	99
65) 4,6-Dinitro-2-methylph...	15.356	198	140436	52.099	ng	97
66) n-Nitrosodiphenylamine	15.461	169	550316	45.238	ng	99
67) 4-Bromophenyl-phenylether	16.096	248	242652	50.286	ng	98
68) Hexachlorobenzene	16.208	284	312640	49.429	ng	97
69) Atrazine	16.396	200	147854	39.644	ng	99
70) Pentachlorophenol	16.613	266	378128	103.859	ng	99
71) Phenanthrene	16.960	178	1110798	50.575	ng	98
72) Anthracene	17.048	178	1143614	53.325	ng	98
73) Carbazole	17.377	167	974324	44.401	ng	98
74) Di-n-butylphthalate	17.823	149	1317603	54.542	ng	98
75) Fluoranthene	18.963	202	1348741	50.560	ng	97
77) Benzidine	19.222	184	55160m	8.212	ng	
78) Pyrene	19.333	202	1433310	49.248	ng	96
80) Butylbenzylphthalate	20.179	149	649438	50.901	ng	99
81) Benzo(a)anthracene	21.061	228	1550504	52.124	ng	97
82) 3,3'-Dichlorobenzidine	21.031	252	174231	14.952	ng	100
83) Chrysene	21.119	228	1475679	51.308	ng	96
84) Bis(2-ethylhexyl)phtha...	20.884	149	985218	58.126	ng	99
85) Di-n-octyl phthalate	21.730	149	1713935	61.610	ng	98
87) Indeno(1,2,3-cd)pyrene	25.714	276	2410594	52.430	ng	99
88) Benzo(b)fluoranthene	22.665	252	1759337	49.140	ng	98
89) Benzo(k)fluoranthene	22.712	252	1795794	53.688	ng	96
90) Benzo(a)pyrene	23.264	252	1709846	54.608	ng	99
91) Dibenzo(a,h)anthracene	25.702	278	1986161	52.280	ng	99
92) Benzo(g,h,i)perylene	26.460	276	1815619	46.383	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
Data File : BE101482.D
Acq On : 5 Nov 2024 16:52
Operator : RC/JU
Sample : P4640-04MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
MH-3MSD

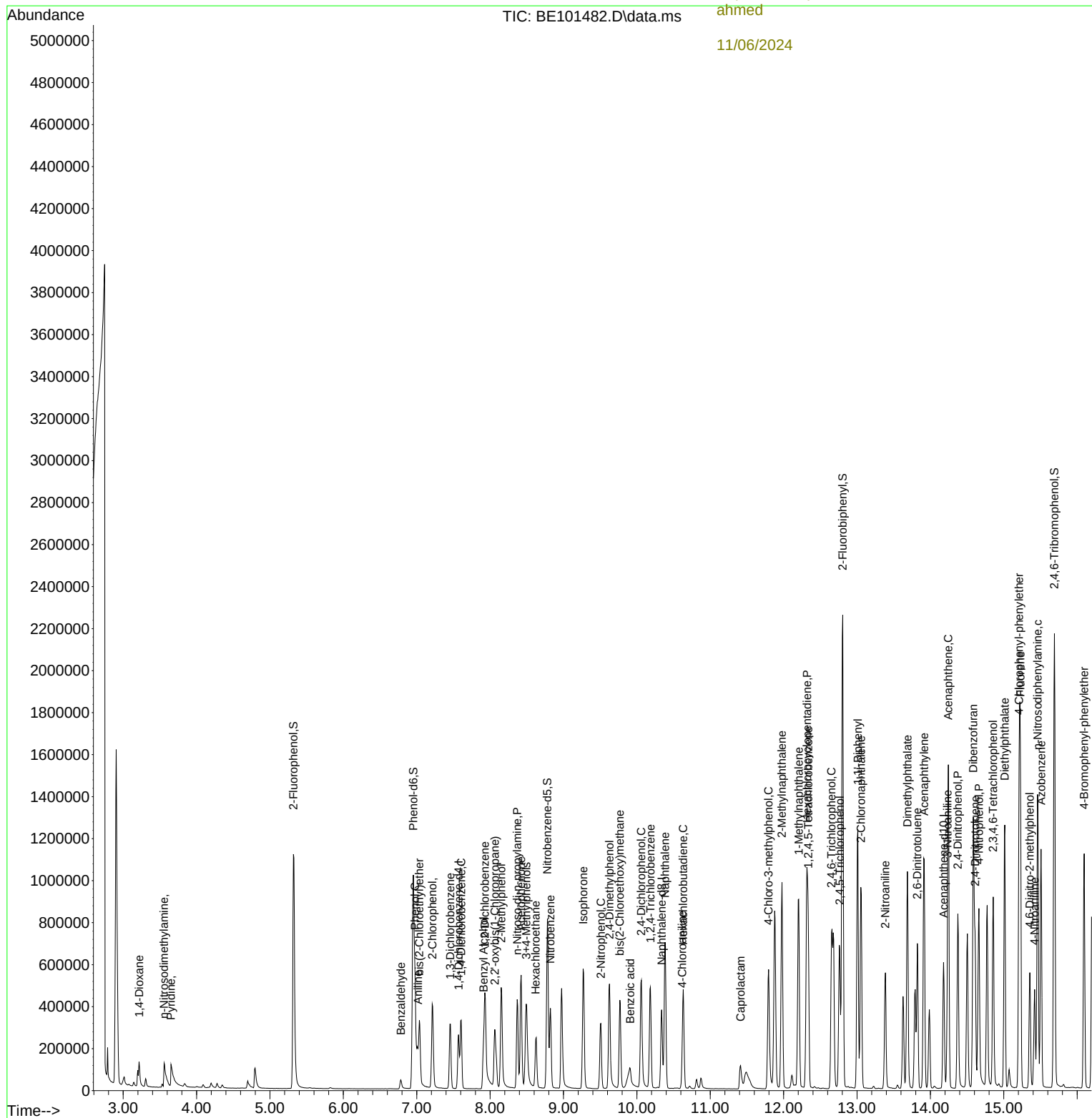
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

11/06/2024
Supervised By :mohammad
ahmed

11/06/2024

Quant Time: Nov 05 17:00:49 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 : BE101482.D
Acq On : 5 Nov 2024 16:52
Operator : RC/JU
Sample : P4640-04MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
MH-3MSD

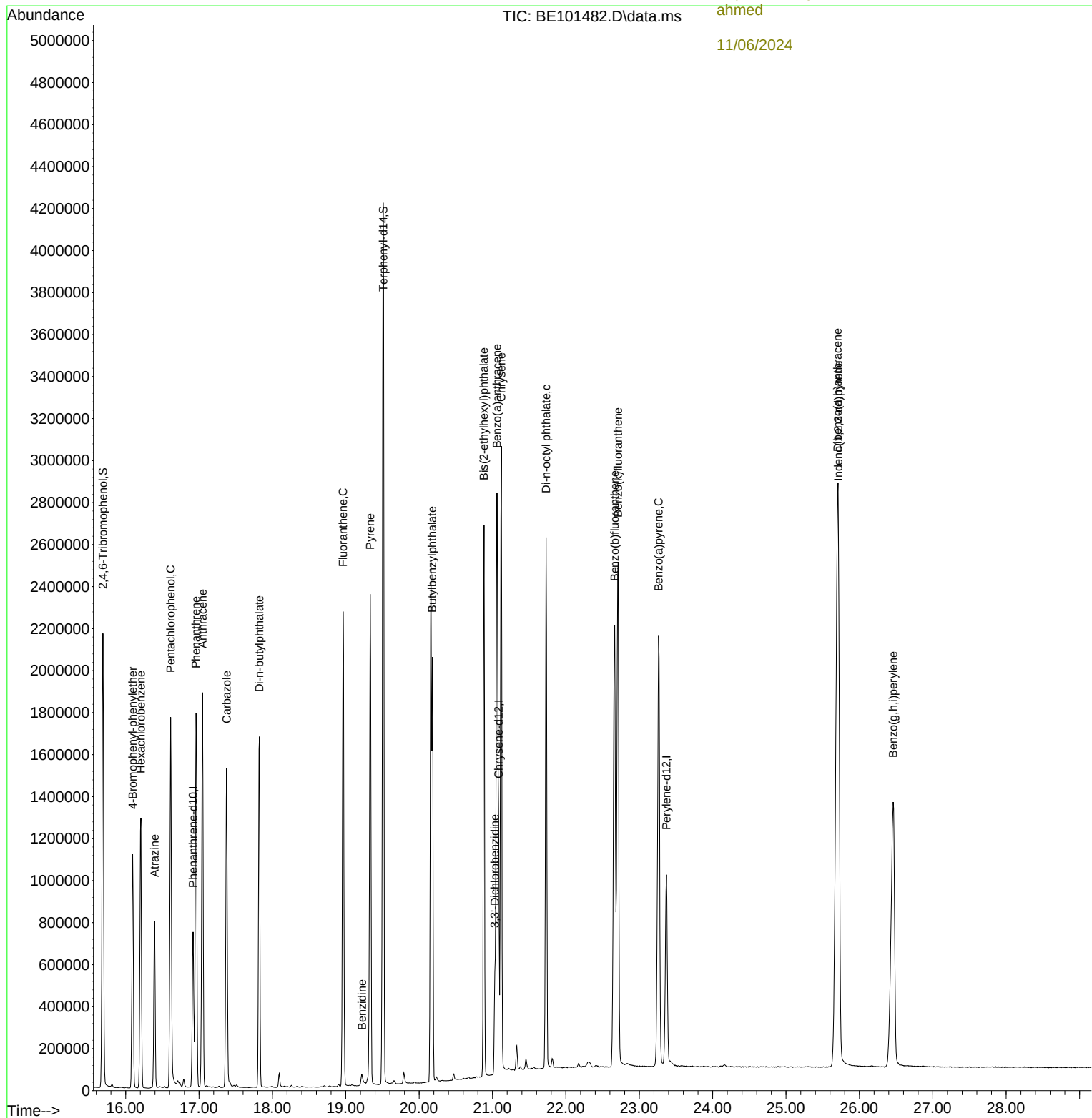
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

11/06/2024
Supervised By :mohammad
ahmed

11/06/2024

Quant Time: Nov 05 17:00:49 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



Manual Integration Report

Sequence:	BE102824	Instrument	BNA_e
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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

Manual Integration Report

Sequence:	BE102824	Instrument	BNA_e
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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

Manual Integration Report

Sequence:	be110524	Instrument	BNA_e
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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
P4640-04MS	BE101481.D	4-Chloroaniline	yogesh	11/6/2024 3:08:37 AM	mohammad	11/6/2024 3:16:26 AM	Peak Integrated by Software
P4640-04MS	BE101481.D	Aniline	yogesh	11/6/2024 3:08:37 AM	mohammad	11/6/2024 3:16:26 AM	Peak Integrated by Software
P4640-04MS	BE101481.D	bis(2-Chloroethyl)ether	yogesh	11/6/2024 3:08:37 AM	mohammad	11/6/2024 3:16:26 AM	Peak Integrated by Software
P4640-04MS	BE101481.D	Caprolactam	yogesh	11/6/2024 3:08:37 AM	mohammad	11/6/2024 3:16:26 AM	Peak Integrated by Software
P4640-04MSD	BE101482.D	4-Chloroaniline	yogesh	11/6/2024 3:08:39 AM	mohammad	11/6/2024 3:16:26 AM	Peak Integrated by Software
P4640-04MSD	BE101482.D	Aniline	yogesh	11/6/2024 3:08:39 AM	mohammad	11/6/2024 3:16:26 AM	Peak Integrated by Software
P4640-04MSD	BE101482.D	Benzidine	yogesh	11/6/2024 3:08:39 AM	mohammad	11/6/2024 3:16:26 AM	Peak Integrated by Software
P4640-04MSD	BE101482.D	bis(2-Chloroethyl)ether	yogesh	11/6/2024 3:08:39 AM	mohammad	11/6/2024 3:16:26 AM	Peak Integrated by Software
P4640-04MSD	BE101482.D	Caprolactam	yogesh	11/6/2024 3:08:39 AM	mohammad	11/6/2024 3:16:26 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	BE110624	Instrument	BNA_e
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BE101494.D	Aniline	Jagrut	11/7/2024 10:28:40 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICC005	BE101494.D	bis(2-Chloroethyl)ether	Jagrut	11/7/2024 10:28:40 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICC005	BE101494.D	Caprolactam	Jagrut	11/7/2024 10:28:40 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICC005	BE101494.D	n-Nitrosodimethylamine	Jagrut	11/7/2024 10:28:40 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICC005	BE101494.D	Pyridine	Jagrut	11/7/2024 10:28:40 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICC010	BE101495.D	Benzoic acid	Jagrut	11/7/2024 10:28:43 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICC010	BE101495.D	bis(2-Chloroethyl)ether	Jagrut	11/7/2024 10:28:43 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICC010	BE101495.D	n-Nitrosodimethylamine	Jagrut	11/7/2024 10:28:43 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICC010	BE101495.D	Pyridine	Jagrut	11/7/2024 10:28:43 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICC020	BE101496.D	bis(2-Chloroethyl)ether	Jagrut	11/7/2024 10:28:45 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICC020	BE101496.D	Pyridine	Jagrut	11/7/2024 10:28:45 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICCC040	BE101497.D	Caprolactam	Jagrut	11/7/2024 10:28:48 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICCC040	BE101497.D	Pyridine	Jagrut	11/7/2024 10:28:48 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	BE110624	Instrument	BNA_e
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC050	BE101498.D	Caprolactam	Jagrut	11/7/2024 10:28:50 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICC050	BE101498.D	Pyridine	Jagrut	11/7/2024 10:28:50 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICC060	BE101499.D	Caprolactam	Jagrut	11/7/2024 10:28:52 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICC060	BE101499.D	Pyridine	Jagrut	11/7/2024 10:28:52 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICC080	BE101500.D	bis(2-Chloroethyl)ether	Jagrut	11/7/2024 10:28:55 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICC080	BE101500.D	Caprolactam	Jagrut	11/7/2024 10:28:55 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICC080	BE101500.D	Pyridine	Jagrut	11/7/2024 10:28:55 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICV040	BE101501.D	bis(2-Chloroethyl)ether	Jagrut	11/7/2024 10:28:58 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICV040	BE101501.D	Pyridine	Jagrut	11/7/2024 10:28:58 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDCCC040	BE101504.D	Caprolactam	Jagrut	11/7/2024 10:31:30 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDCCC040	BE101504.D	Pyridine	Jagrut	11/7/2024 10:31:30 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
PB164561BS	BE101506.D	bis(2-Chloroethyl)ether	Jagrut	11/7/2024 10:31:35 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
PB164561BS	BE101506.D	Caprolactam	Jagrut	11/7/2024 10:31:35 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:	BE110624	Instrument	BNA_e
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4660-07	BE101516.D	2,4-Dimethylphenol	Jagrut	11/7/2024 10:31:38 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
P4660-07	BE101516.D	Anthracene	Jagrut	11/7/2024 10:31:38 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software

Instrument ID: **BNA_E**

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: **BNA_E**

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: **BNA_E**

Daily Analysis Runlog For Sequence/QC Batch ID # BE110624

Review By	Jagrut	Review On	11/7/2024 11:03:46 AM
Supervise By	mohammad	Supervise On	11/8/2024 3:53:54 AM
SubDirectory	BE110624	HP Acquire Method	BNA_E
		HP Processing Method	be110624
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	BE101491.D	6 Nov 2024 11:40	RC/JU	Ok
2	SSTDCCC040	BE101492.D	6 Nov 2024 13:15	RC/JU	Not Ok
3	SSTDICC2.5	BE101493.D	6 Nov 2024 13:51	RC/JU	Ok
4	SSTDICC005	BE101494.D	6 Nov 2024 14:27	RC/JU	Ok,M
5	SSTDICC010	BE101495.D	6 Nov 2024 15:03	RC/JU	Ok,M
6	SSTDICC020	BE101496.D	6 Nov 2024 15:39	RC/JU	Ok,M
7	SSTDICCC040	BE101497.D	6 Nov 2024 16:14	RC/JU	Ok,M
8	SSTDICC050	BE101498.D	6 Nov 2024 16:50	RC/JU	Ok,M
9	SSTDICC060	BE101499.D	6 Nov 2024 17:26	RC/JU	Ok,M
10	SSTDICC080	BE101500.D	6 Nov 2024 18:02	RC/JU	Ok,M
11	SSTDICV040	BE101501.D	6 Nov 2024 18:41	RC/JU	Ok,M
12	PB164561BL	BE101502.D	6 Nov 2024 19:16	RC/JU	Ok
13	DFTPP	BE101503.D	6 Nov 2024 19:52	RC/JU	Ok
14	SSTDCCC040	BE101504.D	6 Nov 2024 20:28	RC/JU	Ok,M
15	PB164561TB	BE101505.D	6 Nov 2024 21:04	RC/JU	Ok
16	PB164561BS	BE101506.D	6 Nov 2024 21:40	RC/JU	Ok,M
17	P4660-11	BE101507.D	6 Nov 2024 22:15	RC/JU	Ok
18	P4667-04	BE101508.D	6 Nov 2024 22:51	RC/JU	Ok
19	P4667-08	BE101509.D	6 Nov 2024 23:27	RC/JU	ReRun
20	P4667-12	BE101510.D	7 Nov 2024 00:03	RC/JU	ReRun
21	P4667-16	BE101511.D	7 Nov 2024 00:39	RC/JU	Ok

Instrument ID: **BNA_E**

Daily Analysis Runlog For Sequence/QC Batch ID # BE110624

Review By	Jagrut	Review On	11/7/2024 11:03:46 AM		
Supervise By	mohammad	Supervise On	11/8/2024 3:53:54 AM		
SubDirectory	BE110624	HP Acquire Method	BNA_E	HP Processing Method	be110624
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					

22	P4659-04	BE101512.D	7 Nov 2024 1:14	RC/JU	Ok
23	P4679-04	BE101513.D	7 Nov 2024 1:50	RC/JU	Ok
24	P4680-04	BE101514.D	7 Nov 2024 2:26	RC/JU	ReRun
25	P4680-08	BE101515.D	7 Nov 2024 3:02	RC/JU	ReRun
26	P4660-07	BE101516.D	7 Nov 2024 3:38	RC/JU	Ok,M
27	P4711-05	BE101517.D	7 Nov 2024 4:13	RC/JU	ReRun
28	P4711-10	BE101518.D	7 Nov 2024 4:49	RC/JU	ReRun
29	P4711-01	BE101519.D	7 Nov 2024 5:25	RC/JU	Ok,M
30	P4711-06	BE101520.D	7 Nov 2024 6:01	RC/JU	Dilution
31	P4708-01	BE101521.D	7 Nov 2024 6:37	RC/JU	Ok,M
32	P4706-01	BE101522.D	7 Nov 2024 7:13	RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_E

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: BNA_E

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: BNA_E

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: BNA_E

Daily Analysis Runlog For Sequence/QC Batch ID # BE110624

Review By	Jagrut	Review On	11/7/2024 11:03:46 AM
Supervise By	mohammad	Supervise On	11/8/2024 3:53:54 AM
SubDirectory	BE110624	HP Acquire Method	BNA_E
		HP Processing Method	be110624

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	BE101491.D	6 Nov 2024 11:40		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BE101492.D	6 Nov 2024 13:15	A Fresh Calibration is required.	RC/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BE101493.D	6 Nov 2024 13:51		RC/JU	Ok
4	SSTDICC005	SSTDICC005	BE101494.D	6 Nov 2024 14:27	Compound #32,54 removed from 5ppm	RC/JU	Ok,M
5	SSTDICC010	SSTDICC010	BE101495.D	6 Nov 2024 15:03		RC/JU	Ok,M
6	SSTDICC020	SSTDICC020	BE101496.D	6 Nov 2024 15:39	Compound #32 Kept on LR	RC/JU	Ok,M
7	SSTDICCC040	SSTDICCC040	BE101497.D	6 Nov 2024 16:14	The Calibration is Good For 8270 DOD Except com#77 and will NOT be used for 625.1 Method	RC/JU	Ok,M
8	SSTDICC050	SSTDICC050	BE101498.D	6 Nov 2024 16:50	Com#77(Benzidine) Failed in the calibration for both DOD and NON-DOD	RC/JU	Ok,M
9	SSTDICC060	SSTDICC060	BE101499.D	6 Nov 2024 17:26		RC/JU	Ok,M
10	SSTDICC080	SSTDICC080	BE101500.D	6 Nov 2024 18:02		RC/JU	Ok,M
11	SSTDICV040	ICVBE110624	BE101501.D	6 Nov 2024 18:41		RC/JU	Ok,M
12	PB164561BL	PB164561BL	BE101502.D	6 Nov 2024 19:16		RC/JU	Ok
13	DFTPP	DFTPP	BE101503.D	6 Nov 2024 19:52		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BE101504.D	6 Nov 2024 20:28		RC/JU	Ok,M
15	PB164561TB	PB164561TB	BE101505.D	6 Nov 2024 21:04		RC/JU	Ok
16	PB164561BS	PB164561BS	BE101506.D	6 Nov 2024 21:40		RC/JU	Ok,M

Instrument ID: BNA_E

Daily Analysis Runlog For Sequence/QC Batch ID # BE110624

Review By	Jagrut	Review On	11/7/2024 11:03:46 AM		
Supervise By	mohammad	Supervise On	11/8/2024 3:53:54 AM		
SubDirectory	BE110624	HP Acquire Method	BNA_E	HP Processing Method	be110624
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					

17	P4660-11	WC-CONCRETE-01-C	BE101507.D	6 Nov 2024 22:15		RC/JU	Ok
18	P4667-04	BP-F-6	BE101508.D	6 Nov 2024 22:51		RC/JU	Ok
19	P4667-08	BP-F-5	BE101509.D	6 Nov 2024 23:27	Internal Standard and Surrogate fail	RC/JU	ReRun
20	P4667-12	TP-10	BE101510.D	7 Nov 2024 00:03	Internal Standard Fail	RC/JU	ReRun
21	P4667-16	BP-F-7	BE101511.D	7 Nov 2024 00:39		RC/JU	Ok
22	P4659-04	MH-2	BE101512.D	7 Nov 2024 1:14		RC/JU	Ok
23	P4679-04	MH-1	BE101513.D	7 Nov 2024 1:50		RC/JU	Ok
24	P4680-04	BP-F26	BE101514.D	7 Nov 2024 2:26	Internal Standrad Fail	RC/JU	ReRun
25	P4680-08	BP-F25	BE101515.D	7 Nov 2024 3:02	Internal Standrad Fail	RC/JU	ReRun
26	P4660-07	WC-WOOD-01-C	BE101516.D	7 Nov 2024 3:38		RC/JU	Ok,M
27	P4711-05	CF-613-COMP-16	BE101517.D	7 Nov 2024 4:13	Internal Standrad Fail	RC/JU	ReRun
28	P4711-10	CF-613-COMP-17	BE101518.D	7 Nov 2024 4:49	Internal Standrad Fail	RC/JU	ReRun
29	P4711-01	CF-613-COMP-16	BE101519.D	7 Nov 2024 5:25		RC/JU	Ok,M
30	P4711-06	CF-613-COMP-17	BE101520.D	7 Nov 2024 6:01	Need further 5X Dilution	RC/JU	Dilution
31	P4708-01	OR-02-110424	BE101521.D	7 Nov 2024 6:37		RC/JU	Ok,M
32	P4706-01	TR-04-110424	BE101522.D	7 Nov 2024 7:13		RC/JU	Ok,M

M : Manual Integration

SOP ID :	M1311-TCLP-15	
SDG No :	N/A	Start Prep Date : 11/03/2024 Time : 14:00
Welgh By :	JP	End Prep Date : 11/04/2024 Time : 07:10
Balance ID :	WC SC-4	Combination Ratio : 20
pH Meter ID :	WC PH METER-1	ZHE Cleaning Batch : N/A
Extraction By :	JP	Initial Room Temperature: N/A
Filter By :	JP	Final Room Temperature: N/A
Pippete ID :	WC	TCLP Technician Signature : <i>JP</i>
Tumbler ID :	T-1 / T-2	Supervisor By : <i>12</i>
TCLP Filter ID :	114771	

Standarded Name	MLS USED	STD REF. # FROM LOG
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

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP108622
HCL-TCLP,1N	N/A	WP108584
HNO3-TCLP,1N	N/A	WP108585
pH Strips	N/A	W1931,W1934,W2350,W2755
pH Strips	N/A	W1937,W1938,W1939,W1940,W1941,W1942
1 Liter Amber	N/A	23091
120ml Plastic bottle	N/A	21029
1:1 HNO3	MP81119	N/A

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftation and before preservation. Tumbler T-1 /T-2 checked,30 rpm. Particle size reduction is not required. p4684-01 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/04/24 09:00	<i>JP</i> <i>1100 Room</i>	<i>JP</i> <i>RJ / Ext</i>
	Preparation Group	Analysis Group <i>metriy</i>

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4640-04	MH-3	01	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
P4643-04	BP-F9-ADDITIONAL	02	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-1
P4643-08	BP-F8	03	100.04	2000	N/A	N/A	N/A	6.0	1.0	T-1
P4643-12	TP-9	04	100.03	2000	N/A	N/A	N/A	6.2	1.5	T-1
P4645-04	Z-02-WC	05	100.04	2000	N/A	N/A	N/A	7.2	1.0	T-1
P4659-04	MH-2	06	100.02	2000	N/A	N/A	N/A	7.0	1.5	T-1
P4660-03	WC-TA2-01-C	07	100.03	2000	N/A	N/A	N/A	11.5	1.0	T-1
P4660-07	WC-WOOD-01-C	08	100.04	2000	N/A	N/A	N/A	10.5	1.5	T-1
P4660-11	WC-CONCRETE-01-C	09	100.03	2000	N/A	N/A	N/A	7.6	1.0	T-1
P4667-04	BP-F-6	10	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-1
P4667-08	BP-F-5	11	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-2
P4667-12	BP-F-10	12	100.04	2000	N/A	N/A	N/A	5.8	1.5	T-2
P4667-16	BP-F-7	13	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-2
P4679-04	MH-1	14	100.02	2000	N/A	N/A	N/A	8.6	1.5	T-2
P4680-04	BP-F26	15	100.02	2000	N/A	N/A	N/A	7.2	1.5	T-2
P4680-08	BP-F25	16	100.01	2000	N/A	N/A	N/A	7.2	1.0	T-2
P4682-02	BELL-SHOP-RAGS	17	100.02	2000	N/A	N/A	N/A	3.0	1.5	T-2
P4684-01	MECHANIC-ST-SWEEPINGS	18	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-2
PB164560TB	LEB560	19	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P4640-04	MH-3	N/A	N/A	N/A	N/A	100	N/A
P4643-04	BP-F9-ADDITIONAL	N/A	N/A	N/A	N/A	100	N/A
P4643-08	BP-F8	N/A	N/A	N/A	N/A	100	N/A
P4643-12	TP-9	N/A	N/A	N/A	N/A	100	N/A
P4645-04	Z-02-WC	N/A	N/A	N/A	N/A	100	N/A
P4659-04	MH-2	N/A	N/A	N/A	N/A	100	N/A
P4660-03	WC-TA2-01-C	N/A	N/A	N/A	N/A	100	N/A
P4660-07	WC-WOOD-01-C	N/A	N/A	N/A	N/A	100	N/A
P4660-11	WC-CONCRETE-01-C	N/A	N/A	N/A	N/A	100	N/A
P4667-04	BP-F-6	N/A	N/A	N/A	N/A	100	N/A
P4667-08	BP-F-5	N/A	N/A	N/A	N/A	100	N/A
P4667-12	BP-F-10	N/A	N/A	N/A	N/A	100	N/A
P4667-16	BP-F-7	N/A	N/A	N/A	N/A	100	N/A
P4679-04	MH-1	N/A	N/A	N/A	N/A	100	N/A
P4680-04	BP-F26	N/A	N/A	N/A	N/A	100	N/A
P4680-08	BP-F25	N/A	N/A	N/A	N/A	100	N/A
P4682-02	BELL-SHOP-RAGS	N/A	N/A	N/A	N/A	100	N/A
P4684-01	MECHANIC-ST-SWEEPINGS	N/A	N/A	N/A	N/A	100	N/A
PB164560TB	LEB560	N/A	N/A	N/A	N/A	N/A	N/A

Hot Block ID : WC S-1 /WC S-2
Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
P4640-04	MH-3	5.02	96.5	5.5	1.5	#1	4.93
P4643-04	BP-F9-ADDITIONAL	5.01	96.5	9.1	4.0	#1	4.93
P4643-08	BP-F8	5.02	96.5	7.6	3.5	#1	4.93
P4643-12	TP-9	5.03	96.5	8.4	3.5	#1	4.93
P4645-04	Z-02-WC	5.02	96.5	9.1	4.0	#1	4.93
P4659-04	MH-2	5.01	96.5	9.0	4.0	#1	4.93
P4660-03	WC-TA2-01-C	5.02	96.5	12.0	4.5	#1	4.93
P4660-07	WC-WOOD-01-C	5.03	96.5	11.0	4.5	#1	4.93
P4660-11	WC-CONCRETE-01-C	5.04	96.5	9.0	4.0	#1	4.93
P4667-04	BP-F-6	5.02	96.5	8.4	3.5	#1	4.93
P4667-08	BP-F-5	5.01	96.5	8.2	3.0	#1	4.93
P4667-12	BP-F-10	5.02	96.5	8.2	3.0	#1	4.93
P4667-16	BP-F-7	5.03	96.5	8.6	3.5	#1	4.93
P4679-04	MH-1	5.04	96.5	8.6	3.5	#1	4.93
P4680-04	BP-F26	5.03	96.5	9.1	4.0	#1	4.93
P4680-08	BP-F25	5.04	96.5	8.6	4.0	#1	4.93
P4682-02	BELL-SHOP-RAGS	5.02	96.5	5.5	1.5	#1	4.93
P4684-01	MECHANIC-ST-SWEEPINGS	5.01	96.5	7.6	2.5	#1	4.93
PB164560TB	LEB560	N/A	N/A	N/A	N/A	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tcip p1640

WorkList ID : 185047

Department : TCLP Extraction

Date : 11-03-2024 09:07:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4640-04	MH-3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K61	10/30/2024	1311
P4643-04	BP-F9-ADDITIONAL	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/30/2024	1311
P4643-08	BP-F8	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/30/2024	1311
P4643-12	TP-9	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/30/2024	1311
P4645-04	Z-02-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K63	10/31/2024	1311
P4659-04	MH-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K61	10/31/2024	1311
P4680-08	BP-F25	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L12	11/01/2024	1311
P4682-02	BELL-SHOP-RAGS	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L13	11/01/2024	1311
P4684-01	MECHANIC-ST-SWEEPINGS	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L13	11/01/2024	1311
P4667-04	BP-F-6	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/31/2024	1311
P4667-08	BP-F-5	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/31/2024	1311
P4667-12	BP-F-10	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/31/2024	1311
P4667-16	BP-F-7	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/31/2024	1311
P4679-04	MH-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L11	11/01/2024	1311
P4680-04	BP-F26	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L12	11/01/2024	1311
P4660-03	WC-TA2-01-C	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	K41	10/30/2024	1311
P4660-07	WC-WOOD-01-C	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	K41	10/31/2024	1311
P4660-11	WC-CONCRETE-01-C	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	K41	10/31/2024	1311

Date/Time 11/03/24 10:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 11/03/24

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3574

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date : 11/05/2024

Extraction Start Time : 08:54

Extraction End Date : 11/05/2024

Extraction End Time : 14:00

Concentration By: RS

Supervisor By : rajesh

Extraction Method: ☒ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	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
Methylene Chloride	N/A	E3823
Baked Na2SO4	N/A	EP2556
10N NaoH	N/A	EP2550
H2SO4 1:1	N/A	EP2548
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot#210673. pH adjusted<2 with 1:1 H2SO4 7>11 with 10 N NaOH. T.Blank taken for PB164560

KD Bath ID: Water bath -01,02

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

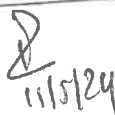
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/5/24 14:05	R? (Get 10h)	Re/Svec
	Preparation Group	Analysis Group

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

Concentration Date: 11/05/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164561BL	PB164561BL	TCLP BNA	1000	6	RUPEsh	rajesh	1			SEP-01
PB164561BS	PB164561BS	TCLP BNA	1000	6	RUPEsh	rajesh	1			2
PB164561TB	PB164561TB	TCLP BNA	100	6	RUPEsh	rajesh	1			3
P4640-04	MH-3	TCLP BNA	100	6	RUPEsh	rajesh	1	A		4
P4640-04MS	MH-3MS	TCLP BNA	100	6	RUPEsh	rajesh	1	A		5
P4640-04MS D	MH-3MSD	TCLP BNA	100	6	RUPEsh	rajesh	1	A		6
P4643-04	BP-F9-ADDITIONAL	TCLP BNA	100	6	RUPEsh	rajesh	1	A		7
P4643-08	BP-F8	TCLP BNA	100	6	RUPEsh	rajesh	1	A		8
P4643-12	TP-9	TCLP BNA	100	6	RUPEsh	rajesh	1	A		9
P4645-04	Z-02-WC	TCLP BNA	100	6	RUPEsh	rajesh	1	A		10
P4659-04	MH-2	TCLP BNA	100	6	RUPEsh	rajesh	1	A		11
P4660-03	WC-TA2-01-C	TCLP BNA	100	6	RUPEsh	rajesh	1	A		12
P4660-07	WC-WOOD-01-C	TCLP BNA	100	6	RUPEsh	rajesh	1	A		13
P4660-11	WC-CONCRETE-01-C	TCLP BNA	100	6	RUPEsh	rajesh	1	A		14
P4667-04	BP-F-6	TCLP BNA	100	6	RUPEsh	rajesh	1	A		15
P4667-08	BP-F-5	TCLP BNA	100	6	RUPEsh	rajesh	1	A		16
P4667-12	BP-F-10	TCLP BNA	100	6	RUPEsh	rajesh	1	A		SEP-01
P4667-16	BP-F-7	TCLP BNA	100	6	RUPEsh	rajesh	1	A		2
P4679-04	MH-1	TCLP BNA	100	6	RUPEsh	rajesh	1	A		3
P4680-04	BP-F26	TCLP BNA	100	6	RUPEsh	rajesh	1	A		4
P4680-08	BP-F25	TCLP BNA	100	6	RUPEsh	rajesh	1	A		5
P4682-02	BELL-SHOP-RAGS	TCLP BNA	100	6	RUPEsh	rajesh	1	A		6

* Extracts relinquished on the same date as received.



Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4640-04	MH-3	01	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
P4643-04	BP-F9-ADDITIONAL	02	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-1
P4643-08	BP-F8	03	100.04	2000	N/A	N/A	N/A	6.0	1.0	T-1
P4643-12	TP-9	04	100.03	2000	N/A	N/A	N/A	6.2	1.5	T-1
P4645-04	Z-02-WC	05	100.04	2000	N/A	N/A	N/A	7.2	1.0	T-1
P4659-04	MH-2	06	100.02	2000	N/A	N/A	N/A	7.0	1.5	T-1
P4660-03	WC-TA2-01-C	07	100.03	2000	N/A	N/A	N/A	11.5	1.0	T-1
P4660-07	WC-WOOD-01-C	08	100.04	2000	N/A	N/A	N/A	10.5	1.5	T-1
P4660-11	WC-CONCRETE-01-C	09	100.03	2000	N/A	N/A	N/A	7.6	1.0	T-1
P4667-04	BP-F-6	10	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-1
P4667-08	BP-F-5	11	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-2
P4667-12	BP-F-10	12	100.04	2000	N/A	N/A	N/A	5.8	1.5	T-2
P4667-16	BP-F-7	13	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-2
P4679-04	MH-1	14	100.02	2000	N/A	N/A	N/A	8.6	1.5	T-2
P4680-04	BP-F26	15	100.02	2000	N/A	N/A	N/A	7.2	1.5	T-2
P4680-08	BP-F25	16	100.01	2000	N/A	N/A	N/A	7.2	1.0	T-2
P4682-02	BELL-SHOP-RAGS	17	100.02	2000	N/A	N/A	N/A	3.0	1.5	T-2
P4684-01	MECHANIC-ST-SWEEPINGS	18	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-2
PB164560TB	LEB560	19	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2

11/04/2024
091.00



SHIPPING DOCUMENTS



284 Sheffield Street, Mountainside, NJ 07092

(908) 789-8900 Fax: (908) 788-9222

www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number:

P4660

COC Number: 2042101

Page 1 of 2

CLIENT INFORMATION

COMPANY: ENTACT, LLC

ADDRESS: 150 Bay Street, Suite 806

CITY: Jersey City STATE: NJ ZIP: 07302

ATTENTION: Jarod Stanfield

PHONE: 670-886-0442

FAX:

PROJECT INFORMATION

PROJECT NAME: 540 Degraw St Brooklyn, NY

PROJECT #: E9309 LOCATION: Brooklyn, NY

PROJECT MANAGER: Jarod Stanfield

E-MAIL: jstanfield@entact.com

PHONE: 570-886-0442

FAX:

BILLING INFORMATION

BILL TO: ENTACT, LLC

PO# E9309

ADDRESS: 999 Oakmont Plaza Drive, Suite 300

CITY: Westmont

STATE: IL ZIP: 60559

ATTENTION: Wendy Murray

PHONE: 800-936-8228

DATA TURNAROUND INFORMATION

FAX: 5 DAYS*
HARD COPY: DAYS*
EDD: DAYS*

* TO BE APPROVED BY ALLIANCE

STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESEULTS ONLY ☐ USEPA CLP
☒ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☐ EDD Format

ANALYSIS

TCLP VOCs	TCLP ICP Metals	TCLP Herb	TCLP Pest	TCLP SVOCs	TCLP pH	I/C/R	PCBs	Oil & Grease
1	2	3	4	5	6	7	8	9

PRESERVATIVES

COMMENTS

<- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles									
			COMP	GRAB	DATE	TIME		E	E	E	E	E	E	E	E	E
1.	WC-TA2-01-G	Soil		X	10/28	15:15	1	X								
2.	WC-TA2-01-C	Soil	X		10/30	13:30	11		X	X	X	X	X	X	X	X
3.	WC-Wood-01-G	Solid		X	10/31	12:30	1	X								
4.	WC-Wood-01-C	Solid	X		10/31	13:30	11		X	X	X	X	X	X	X	X
5.	WC-Concrete-01-G	Solid		X	10/31	14:30	1	X								
6.	WC-Concrete-01-C	Solid	X		10/31	15:30	12		X	X	X	X	X	X	X	X
7.																
8.																
9.																
10.																

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

RELINQUISHED BY SAMPLER 1. Jarod Stanfield	DATE/TIME 10/31 13:21	RECEIVED BY 	1325 10-31-24	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp <u>3.1 C</u> ☐ Ice in Cooler?: _____
RELINQUISHED BY	DATE/TIME	RECEIVED BY		Comments:
2.				
RELINQUISHED BY 	DATE/TIME 10-31-24	RECEIVED FOR LAB BY		
3.				

Page _____ of _____

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
ALLIANCE: ☒ Picked Up ☐ Overnight

Shipment Complete
☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT

YELLOW - ALLIANCE COPY

PINK - SAMPLER COPY



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CHAIN OF CUSTODY RECORD

Alliance Project Number:

P4660

COC Number: 2042101

Page 2 of 2

CLIENT INFORMATION

COMPANY: ENTACT, LLC

ADDRESS: 150 Bay Street, Suite 806

CITY Jersey City STATE: NJ ZIP: 07302

ATTENTION: Jarod Stanfield

PHONE: 570-886-0442

FAX:

PROJECT INFORMATION

PROJECT NAME: 540 Degraw St Brooklyn, NY

PROJECT #: E9309

LOCATION: Brooklyn, NY

PROJECT MANAGER: Jarod Stanfield

E-MAIL: jstanfield@entact.com

PHONE: 570-886-0442

FAX:

BILLING INFORMATION

BILL TO: ENTACT, LLC

PO# E9309

ADDRESS: 999 Oakmont Plaza Drive, Suite 300

CITY: Westmont

STATE: IL ZIP: 60559

ATTENTION: Wendy Murray

PHONE: 800-936-8228

ANALYSIS

ASTM COD	ASTM Ammonia-Nitrogen	ASTM O&G	ASTM TS	TS, TVS	pH	Paint Filter
10	11	12	13	14	15	16

PRESERVATIVES

COMMENTS

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles									
			COMP	GRAB	DATE	TIME		E	E	E	E	E	E	E	E	E
1.	WC-TA2-01-G	Soil		X	10/28	15:15	1									
2.	WC-TA2-01-C	Soil	X		10/30	13:30	11	X	X	X	X	X	X	X		
3.	WC-Wood-01-G	Solid		X	10/31	12:30	1									
4.	WC-Wood-01-C	Solid	X		10/31	13:30	11	X	X	X	X	X	X	X		
5.	WC-Concrete-01-G	Solid		X	10/31	14:30	1									
6.	WC-Concrete-01-C	Solid	X		10/31	15:30	12	X	X	X	X	X	X	X		
7.																
8.																
9.																
10.																

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

RELINQUISHED BY SAMPLER 1. Jarod Stanfield	DATE/TIME 10/31/13	RECEIVED BY 1. [Signature] 1325	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.1 C
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY	Comments:
RELINQUISHED BY 3. [Signature]	DATE/TIME 10-31-24	RECEIVED FOR LAB BY 3.	

Page ____ of ____

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
ALLIANCE: ☒ Picked Up ☐ Overnight

Shipment Complete
☐ YES ☐ NO



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