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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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LAB CHRONICLE

OrderID:	Q3604	**OrderDate:**	11/10/2025 4:28:38 PM
Client:	Roman E&G Corp	**Project:**	MCUA - New Brunswick
Contact:	Amanda Gentle	**Location:**	D41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3604-01	**S-1**	**TCLP**			**11/10/25**			**11/10/25**
			TCLP BNA	8270E		11/12/25	11/12/25	
Q3604-02	**S-2**	**TCLP**			**11/10/25**			**11/10/25**
			TCLP BNA	8270E		11/12/25	11/12/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3604

Client: Roman E&G Corp

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								
				0.000				
			Total Svoc :		**0.00**			
			Total Concentration:		**0.00**			

QC SUMMARY

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

SW-846

SDG No.: Q3604

Client: Roman E&G Corp

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB170493TB	PB170493TB	2-Fluorophenol	150	119	79		15 (10)	110 (134)
		Phenol-d6	150	123	82		15 (10)	110 (135)
		Nitrobenzene-d5	100	84.3	84		30 (39)	130 (138)
		2-Fluorobiphenyl	100	76.1	76		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	114	76		15 (44)	110 (137)
		Terphenyl-d14	100	95.6	96		30 (42)	130 (152)
PB170515BL	PB170515BL	2-Fluorophenol	150	114	76		15 (10)	110 (134)
		Phenol-d6	150	116	77		15 (10)	110 (135)
		Nitrobenzene-d5	100	81.3	81		30 (39)	130 (138)
		2-Fluorobiphenyl	100	73.1	73		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	108	72		15 (44)	110 (137)
		Terphenyl-d14	100	88.8	89		30 (42)	130 (152)
PB170515BS	PB170515BS	2-Fluorophenol	150	115	77		15 (10)	110 (134)
		Phenol-d6	150	117	78		15 (10)	110 (135)
		Nitrobenzene-d5	100	80.0	80		30 (39)	130 (138)
		2-Fluorobiphenyl	100	74.4	74		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	110	74		15 (44)	110 (137)
		Terphenyl-d14	100	93.9	94		30 (42)	130 (152)
Q3604-01	S-1	2-Fluorophenol	150	113	76		15 (10)	110 (134)
		Phenol-d6	150	110	73		15 (10)	110 (135)
		Nitrobenzene-d5	100	86.8	87		30 (39)	130 (138)
		2-Fluorobiphenyl	100	80.3	80		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	120	80		15 (44)	110 (137)
		Terphenyl-d14	100	84.8	85		30 (42)	130 (152)
Q3604-01MS	S-1MS	2-Fluorophenol	150	120	80		15 (10)	110 (134)
		Phenol-d6	150	117	78		15 (10)	110 (135)
		Nitrobenzene-d5	100	89.6	90		30 (39)	130 (138)
		2-Fluorobiphenyl	100	82.9	83		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	122	81		15 (44)	110 (137)
		Terphenyl-d14	100	86.8	87		30 (42)	130 (152)
Q3604-01MSD	S-1MSD	2-Fluorophenol	150	119	79		15 (10)	110 (134)
		Phenol-d6	150	117	78		15 (10)	110 (135)
		Nitrobenzene-d5	100	90.4	90		30 (39)	130 (138)
		2-Fluorobiphenyl	100	81.5	81		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	129	86		15 (44)	110 (137)
		Terphenyl-d14	100	98.6	99		30 (42)	130 (152)
Q3604-02	S-2	2-Fluorophenol	150	119	79		15 (10)	110 (134)
		Phenol-d6	150	114	76		15 (10)	110 (135)
		Nitrobenzene-d5	100	90.9	91		30 (39)	130 (138)
		2-Fluorobiphenyl	100	84.7	85		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	134	89		15 (44)	110 (137)
		Terphenyl-d14	100	82.6	83		30 (42)	130 (152)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3604 **Analytical Method:** SW8270E

Client: Roman E&G Corp **DataFile:** BF144239.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3604-01MS		**Client Sample ID: S-1MS**									
Pyridine	500	0	340	ug/L	68				20 (21)	160 (106)	
1,4-Dichlorobenzene	500	0	460	ug/L	92				70 (55)	130 (125)	
2-Methylphenol	500	0	480	ug/L	96				70 (26)	130 (152)	
3+4-Methylphenols	500	0	460	ug/L	92				20 (37)	160 (130)	
Hexachloroethane	500	0	460	ug/L	92				20 (10)	160 (166)	
Nitrobenzene	500	0	470	ug/L	94				70 (33)	130 (156)	
Hexachlorobutadiene	500	0	420	ug/L	84				70 (22)	130 (151)	
2,4,6-Trichlorophenol	500	0	460	ug/L	92				70 (61)	130 (137)	
2,4,5-Trichlorophenol	500	0	450	ug/L	90				70 (63)	130 (136)	
2,4-Dinitrotoluene	500	0	490	ug/L	98				70 (74)	130 (137)	
Hexachlorobenzene	500	0	480	ug/L	96				70 (72)	130 (115)	
Pentachlorophenol	1000	0	930	ug/L	93				20 (52)	160 (162)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3604 **Analytical Method:** SW8270E

Client: Roman E&G Corp **DataFile:** BF144240.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3604-01MSD		**Client Sample ID: S-1MSD**									
Pyridine	500	0	340	ug/L	68	0			20 (21)	160 (106)	20 (20)
1,4-Dichlorobenzene	500	0	460	ug/L	92	0			70 (55)	130 (125)	20 (20)
2-Methylphenol	500	0	480	ug/L	96	0			70 (26)	130 (152)	20 (15)
3+4-Methylphenols	500	0	470	ug/L	94	2			20 (37)	160 (130)	20 (15)
Hexachloroethane	500	0	450	ug/L	90	2			20 (10)	160 (166)	20 (15)
Nitrobenzene	500	0	480	ug/L	96	2			70 (33)	130 (156)	20 (15)
Hexachlorobutadiene	500	0	430	ug/L	86	2			70 (22)	130 (151)	20 (20)
2,4,6-Trichlorophenol	500	0	460	ug/L	92	0			70 (61)	130 (137)	20 (15)
2,4,5-Trichlorophenol	500	0	450	ug/L	90	0			70 (63)	130 (136)	20 (15)
2,4-Dinitrotoluene	500	0	500	ug/L	100	2			70 (74)	130 (137)	20 (20)
Hexachlorobenzene	500	0	470	ug/L	94	2			70 (72)	130 (115)	20 (15)
Pentachlorophenol	1000	0	960	ug/L	96	3			20 (52)	160 (162)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3604 **Analytical Method:** 8270E

Client: Roman E&G Corp **DataFile:** BF144236.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB170515BS	Pyridine	50	44.0	ug/L	88				20 (29)	160 (97)	
	1,4-Dichlorobenzene	50	42.4	ug/L	85				70 (76)	130 (103)	
	2-Methylphenol	50	45.0	ug/L	90				70 (69)	130 (109)	
	3+4-Methylphenols	50	41.2	ug/L	82				20 (67)	160 (106)	
	Hexachloroethane	50	42.5	ug/L	85				20 (76)	160 (118)	
	Nitrobenzene	50	42.5	ug/L	85				70 (58)	130 (106)	
	Hexachlorobutadiene	50	38.2	ug/L	76				70 (69)	130 (101)	
	2,4,6-Trichlorophenol	50	41.3	ug/L	83				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	38.2	ug/L	76				70 (70)	130 (106)	
	2,4-Dinitrotoluene	50	43.9	ug/L	88				70 (60)	130 (115)	
	Hexachlorobenzene	50	41.4	ug/L	83				70 (73)	130 (106)	
	Pentachlorophenol	100	78.5	ug/L	79				20 (59)	160 (131)	

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB170515BL

Lab Name: Alliance | Contract: ROMA02

Lab Code: ACE | SDG NO.: Q3604

Lab File ID: BF144235.D | Lab Sample ID: PB170515BL

Instrument ID: BNA_F | Date Extracted: 11/12/2025

Matrix: (soil/water) water | Date Analyzed: 11/12/2025

Level: (low/med) LOW | Time Analyzed: 18:20

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170515BS	PB170515BS	BF144236.D	11/12/2025
S-1	Q3604-01	BF144238.D	11/12/2025
S-1MS	Q3604-01MS	BF144239.D	11/12/2025
S-1MSD	Q3604-01MSD	BF144240.D	11/12/2025
S-2	Q3604-02	BF144241.D	11/12/2025
PB170493TB	PB170493TB	BF144237.D	11/12/2025

COMMENTS:

Raw Data: **BF144168.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: ROMA02

Lab Code: ACE SDG NO.: Q3604

Lab File ID: BF144168.D DFTPP Injection Date: 11/05/2025

Instrument ID: BNA_F DFTPP Injection Time: 12:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.8) 1
69	Mass 69 relative abundance	24.5
70	Less than 2.0% of mass 69	0.1 (0.6) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.2
365	Greater than 1% of mass 198	2.6
441	Present, but less than mass 443	15.9
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
SSTDICC2.5	SSTDICC2.5	BF144169.D	11/05/2025	12:50
SSTDICC005	SSTDICC005	BF144170.D	11/05/2025	13:20
SSTDICC010	SSTDICC010	BF144171.D	11/05/2025	13:50
SSTDICC020	SSTDICC020	BF144172.D	11/05/2025	14:20
SSTDICCC040	SSTDICCC040	BF144173.D	11/05/2025	14:50
SSTDICC050	SSTDICC050	BF144174.D	11/05/2025	15:49
SSTDICC060	SSTDICC060	BF144175.D	11/05/2025	16:19
SSTDICC080	SSTDICC080	BF144176.D	11/05/2025	16:49

Raw Data: **BF144229.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: ROMA02

Lab Code: ACE SDG NO.: Q3604

Lab File ID: BF144229.D DFTPP Injection Date: 11/12/2025

Instrument ID: BNA_F DFTPP Injection Time: 15:22

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	28.3
70	Less than 2.0% of mass 69	0.0 (0.0) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.6
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	16.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (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	BF144230.D	11/12/2025	15:52
PB170515BL	PB170515BL	BF144235.D	11/12/2025	18:20
PB170515BS	PB170515BS	BF144236.D	11/12/2025	18:50
PB170493TB	PB170493TB	BF144237.D	11/12/2025	19:20
S-1	Q3604-01	BF144238.D	11/12/2025	19:50
S-1MS	Q3604-01MS	BF144239.D	11/12/2025	20:20
S-1MSD	Q3604-01MSD	BF144240.D	11/12/2025	20:49
S-2	Q3604-02	BF144241.D	11/12/2025	21:19

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3604

Client ID : SSTDCCC040 Date Analyzed: 11/12/2025

Lab File ID: BF144230.D Time Analyzed: 15:52

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	44350	6.869	175875	8.15	95653	9.91
	UPPER LIMIT	88700	7.369	351750	8.651	191306	10.41
	LOWER LIMIT	22175	6.369	87937.5	7.651	47826.5	9.41
	EPA SAMPLE NO.						
01	PB170493TB	43190	6.86	169062	8.15	97723	9.90
02	PB170515BL	46055	6.86	180129	8.15	102582	9.90
03	PB170515BS	45402	6.87	180251	8.15	101053	9.91
04	S-1	38704	6.87	149327	8.15	83545	9.90
05	S-1MS	37192	6.87	147944	8.15	80453	9.91
06	S-1MSD	39225	6.87	152960	8.15	88266	9.91
07	S-2	38006	6.87	150573	8.15	83623	9.90

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3604

Client ID: SSTDCCC040 Date Analyzed: 11/12/2025

Lab File ID: BF144230.D Time Analyzed: 15:52

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	157798	11.398	80733	14.051	104708	15.527
	UPPER LIMIT	315596	11.898	161466	14.551	209416	16.027
	LOWER LIMIT	78899	10.898	40366.5	13.551	52354	15.027
	EPA SAMPLE NO.						
01	PB170493TB	165628	11.40	88153	14.05	103140	15.52
02	PB170515BL	172359	11.40	92202	14.05	107660	15.53
03	PB170515BS	166539	11.40	84699	14.05	112671	15.53
04	S-1	140163	11.40	78393	14.05	90826	15.53
05	S-1MS	131172	11.40	72085	14.05	94938	15.53
06	S-1MSD	148585	11.40	75670	14.05	90928	15.53
07	S-2	146516	11.40	78541	14.05	60402	15.53

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

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

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

SAMPLE DATA

Raw Data: **BF144237.D**

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

Client:	Roman E&G Corp			Date Collected:	11/12/25
Project:	MCUA - New Brunswick			Date Received:	11/12/25
Client Sample ID:	PB170493TB			SDG No.:	Q3604
Lab Sample ID:	PB170493TB			Matrix:	TCLP
Analytical Method:	8270E	Level:	LOW	% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol:	1000 uL	Test:	TCLP BNA
Prep Method :	SW3541	Prep Date:	11/12/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
110-86-1	Pyridine	12.8	U	1	12.8	50.0	ug/L	11/12/25 19:20	PB170515
106-46-7	1,4-Dichlorobenzene	5.30	U	1	5.30	50.0	ug/L	11/12/25 19:20	PB170515
95-48-7	2-Methylphenol	11.2	U	1	11.2	50.0	ug/L	11/12/25 19:20	PB170515
65794-96-9	3+4-Methylphenols	11.0	U	1	11.0	100	ug/L	11/12/25 19:20	PB170515
67-72-1	Hexachloroethane	6.50	U	1	6.50	50.0	ug/L	11/12/25 19:20	PB170515
98-95-3	Nitrobenzene	7.60	U	1	7.60	50.0	ug/L	11/12/25 19:20	PB170515
87-68-3	Hexachlorobutadiene	5.40	U	1	5.40	50.0	ug/L	11/12/25 19:20	PB170515
88-06-2	2,4,6-Trichlorophenol	5.10	U	1	5.10	50.0	ug/L	11/12/25 19:20	PB170515
95-95-4	2,4,5-Trichlorophenol	6.20	U	1	6.20	50.0	ug/L	11/12/25 19:20	PB170515
121-14-2	2,4-Dinitrotoluene	12.2	U	1	12.2	50.0	ug/L	11/12/25 19:20	PB170515
118-74-1	Hexachlorobenzene	5.20	U	1	5.20	50.0	ug/L	11/12/25 19:20	PB170515
87-86-5	Pentachlorophenol	15.8	U	1	15.8	100	ug/L	11/12/25 19:20	PB170515
SURROGATES									
367-12-4	2-Fluorophenol	119			15 (10) - 110 (134)	79%	SPK: 150		
13127-88-3	Phenol-d6	123			15 (10) - 110 (135)	82%	SPK: 150		
4165-60-0	Nitrobenzene-d5	84.3			30 (39) - 130 (138)	84%	SPK: 100		
321-60-8	2-Fluorobiphenyl	76.1			30 (52) - 130 (132)	76%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	114			15 (44) - 110 (137)	76%	SPK: 150		
1718-51-0	Terphenyl-d14	95.6			30 (42) - 130 (152)	96%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	43200							
1146-65-2	Naphthalene-d8	169000							
15067-26-2	Acenaphthene-d10	97700							
1517-22-2	Phenanthrene-d10	166000							
1719-03-5	Chrysene-d12	88200							
1520-96-3	Perylene-d12	103000							

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_F\Data\BF111225\
Data File : BF144237.D
Acq On : 12 Nov 2025 19:20
Operator : RC/JU
Sample : PB170493TB
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170493TB

Quant Time: Nov 13 10:42:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

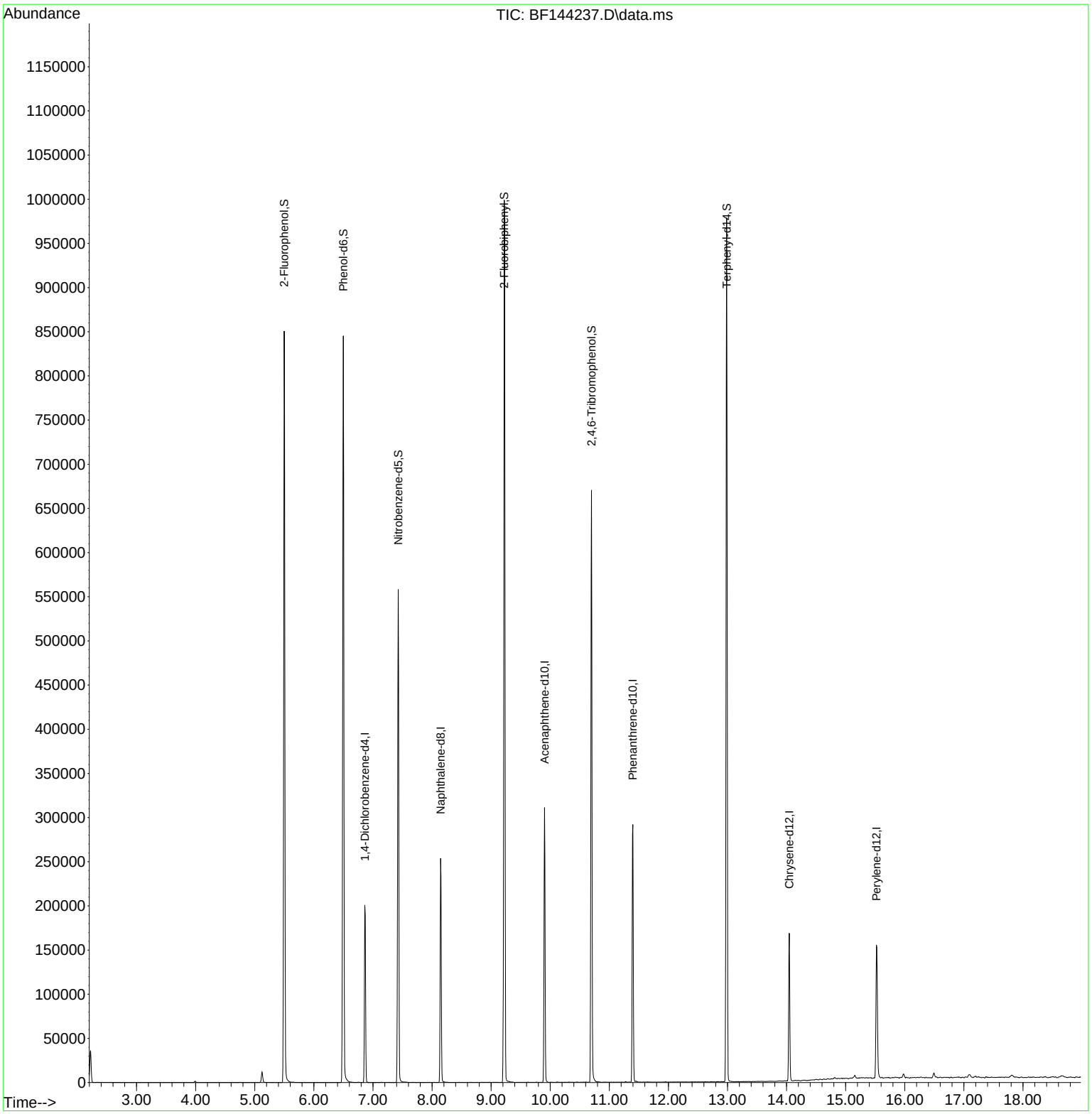
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	43190	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	169062	20.000	ng	#-0.01
39) Acenaphthene-d10	9.904	164	97723	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	165628	20.000	ng	0.00
76) Chrysene-d12	14.045	240	88153	20.000	ng	0.00
86) Perylene-d12	15.521	264	103140	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	328705	119.097	ng	0.00
7) Phenol-d6	6.498	99	383354	122.585	ng	0.00
23) Nitrobenzene-d5	7.428	82	246763	84.299	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	139344	113.629	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	503760	76.136	ng	0.00
79) Terphenyl-d14	12.986	244	530802	95.644	ng	0.00
Target Compounds						Qvalue

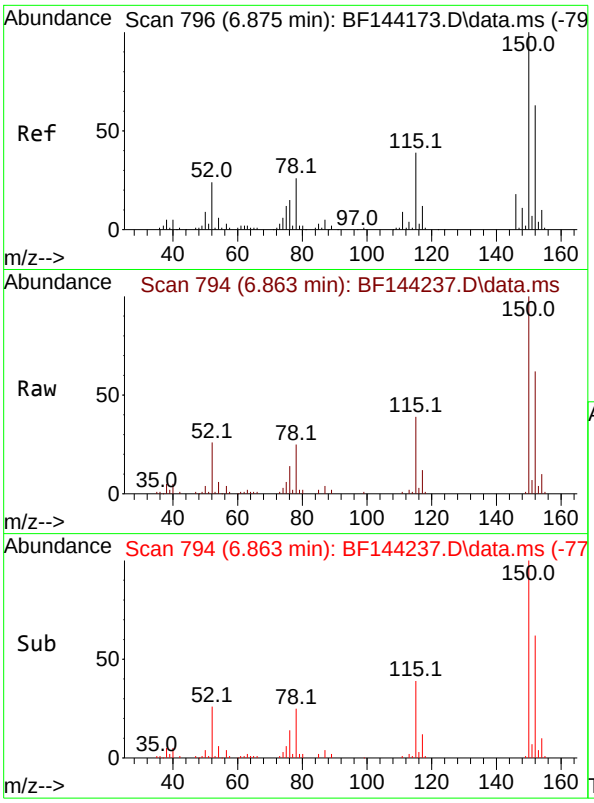
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111225\
Data File : BF144237.D
Acq On : 12 Nov 2025 19:20
Operator : RC/JU
Sample : PB170493TB
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170493TB

Quant Time: Nov 13 10:42:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration



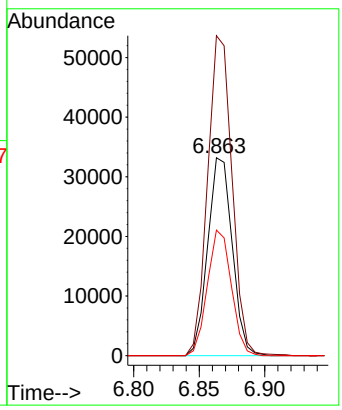


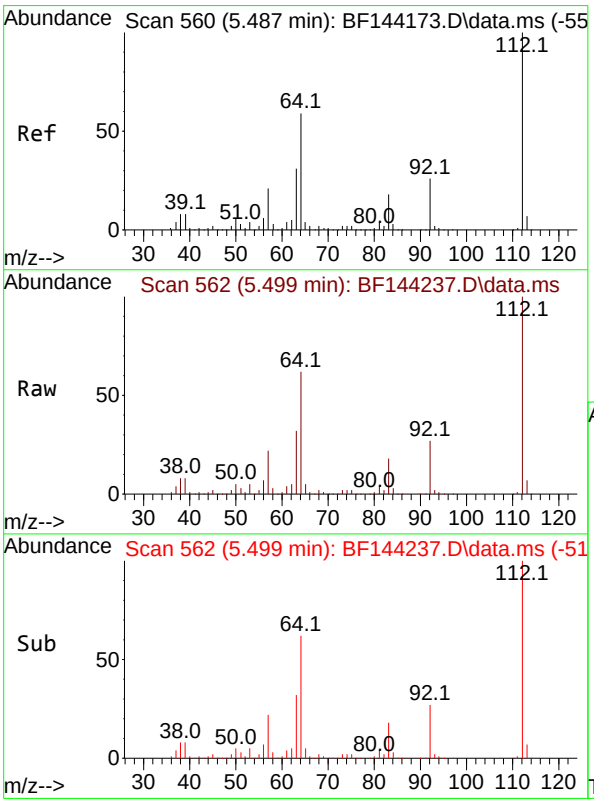
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF144237.D
Acq: 12 Nov 2025 19:20

Instrument :
BNA_F
ClientSampleId :
PB170493TB

Tgt Ion:152 Resp: 43190

Ion	Ratio	Lower	Upper
152	100		
150	161.7	127.4	191.0
115	63.5	49.5	74.3

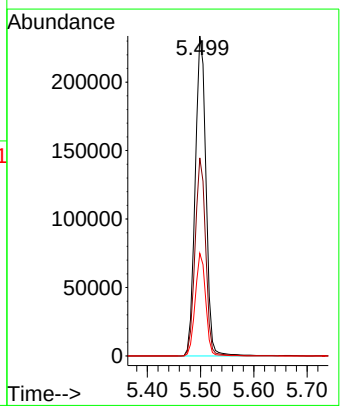


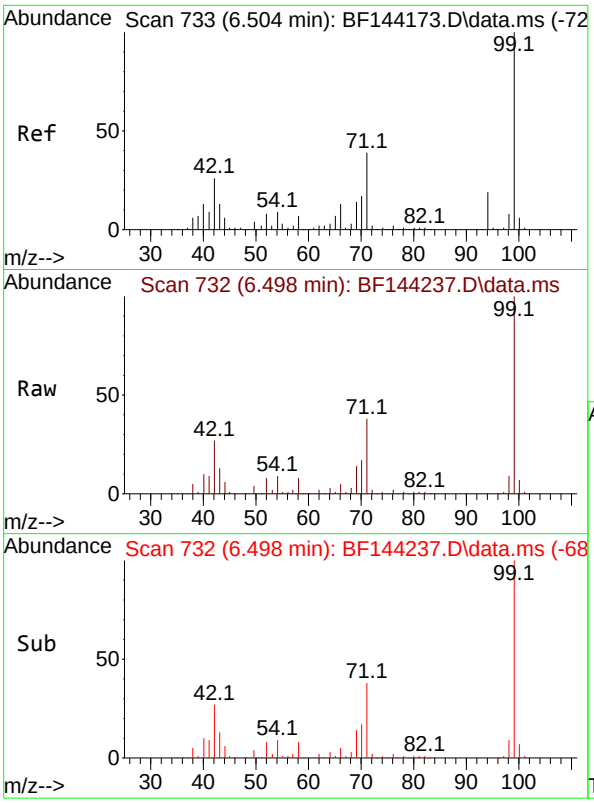


#5
2-Fluorophenol
Concen: 119.097 ng
RT: 5.499 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF144237.D
Acq: 12 Nov 2025 19:20

Tgt Ion:112 Resp: 328705

Ion	Ratio	Lower	Upper
112	100		
64	61.9	47.2	70.8
63	32.0	24.4	36.6



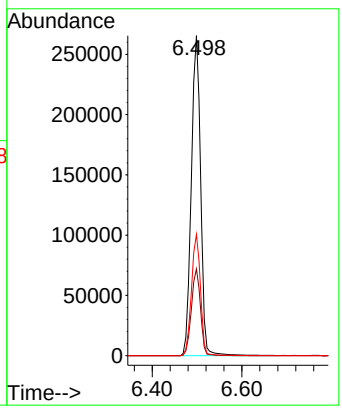


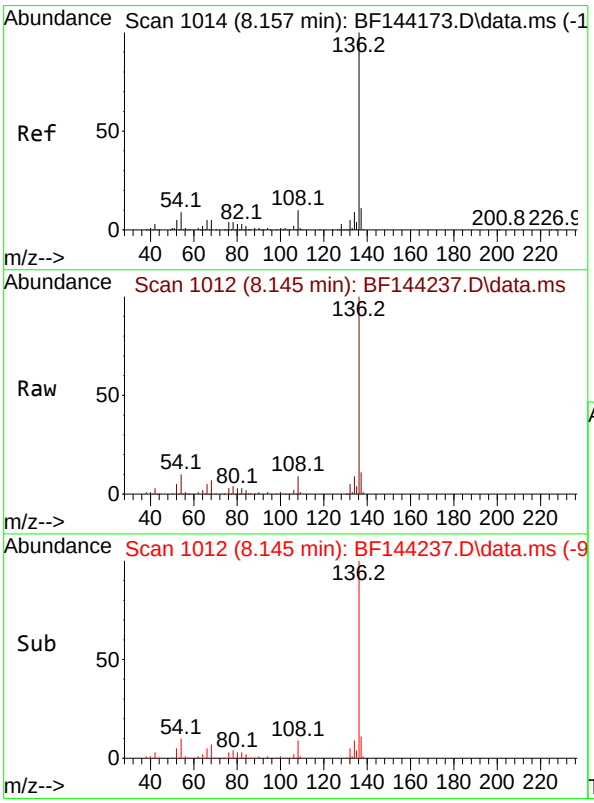
#7
Phenol-d6
Concen: 122.585 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144237.D
Acq: 12 Nov 2025 19:20

Instrument :
BNA_F
ClientSampleId :
PB170493TB

Tgt Ion: 99 Resp: 383354

Ion	Ratio	Lower	Upper
99	100		
42	27.1	20.9	31.3
71	37.9	31.4	47.2

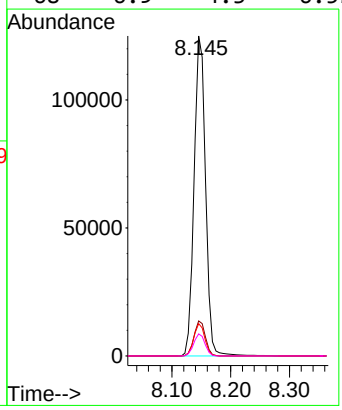


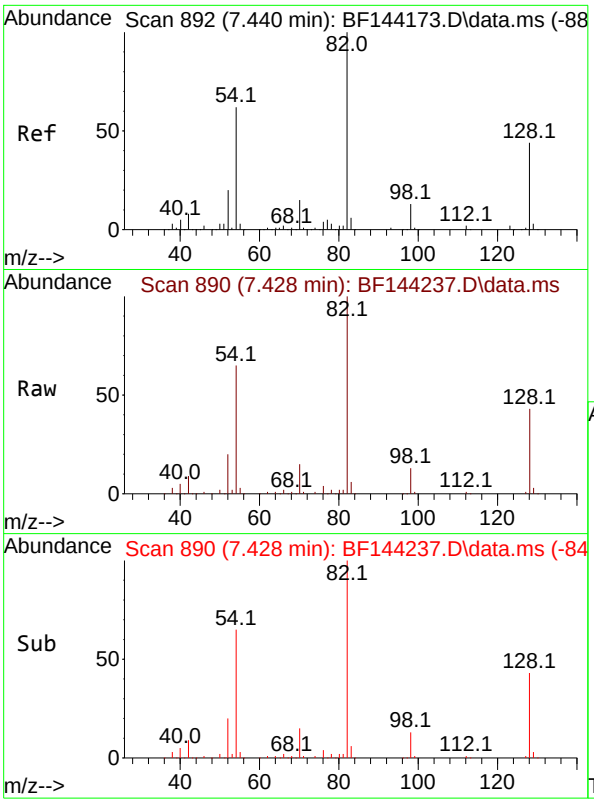


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144237.D
Acq: 12 Nov 2025 19:20

Tgt Ion:136 Resp: 169062

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.1	7.0	10.6
68	6.9	4.3	6.5#



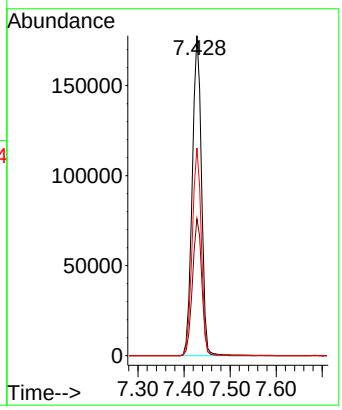


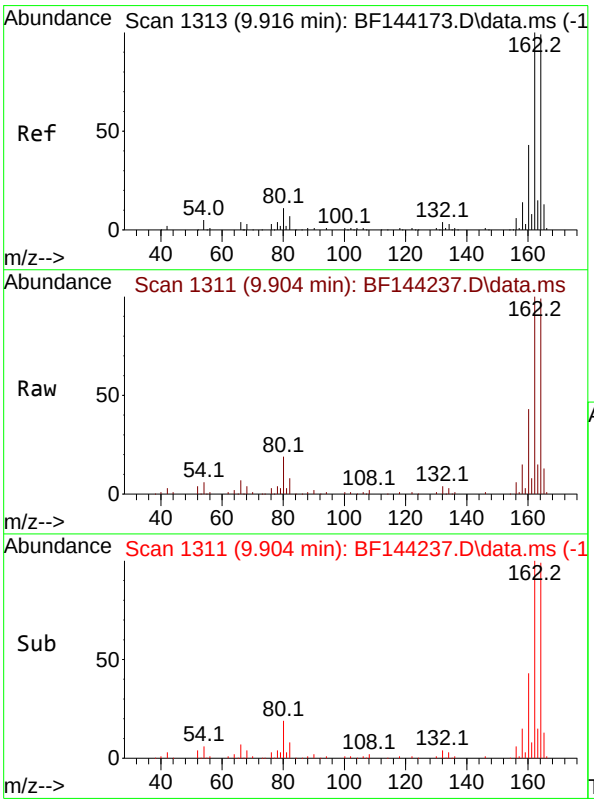
#23
Nitrobenzene-d5
Concen: 84.299 ng
RT: 7.428 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144237.D
Acq: 12 Nov 2025 19:20

Instrument :
BNA_F
ClientSampleId :
PB170493TB

Tgt Ion: 82 Resp: 246763

Ion	Ratio	Lower	Upper
82	100		
128	42.8	34.7	52.1
54	64.9	49.5	74.3

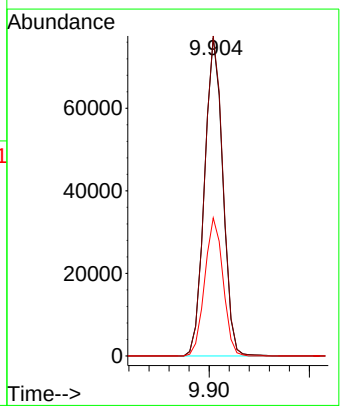


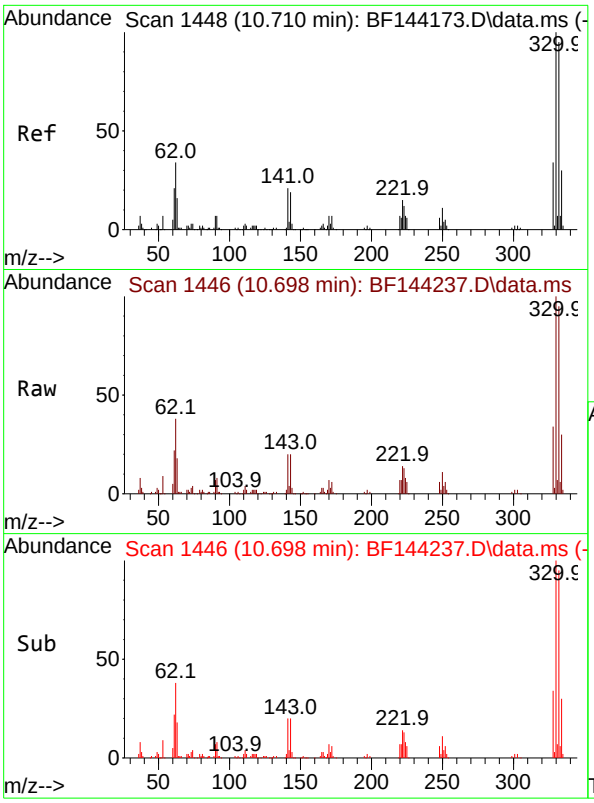


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144237.D
Acq: 12 Nov 2025 19:20

Tgt Ion:164 Resp: 97723

Ion	Ratio	Lower	Upper
164	100		
162	100.6	81.1	121.7
160	43.4	34.5	51.7



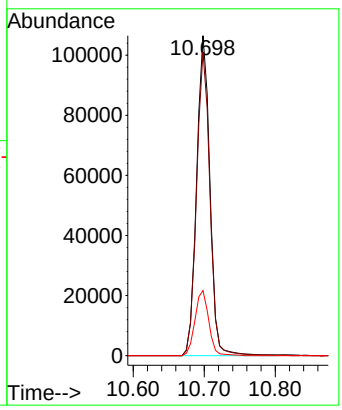


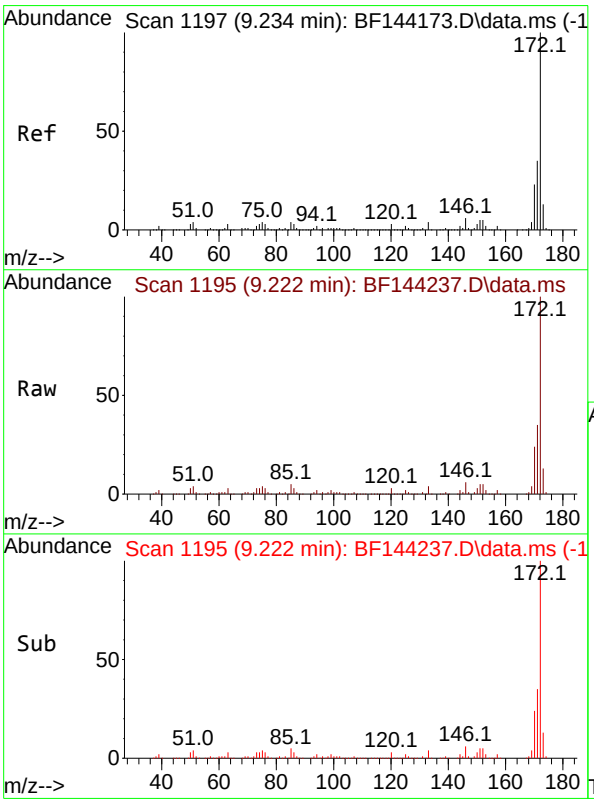
#42
2,4,6-Tribromophenol
Concen: 113.629 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144237.D
Acq: 12 Nov 2025 19:20

Instrument :
BNA_F
ClientSampleId :
PB170493TB

Tgt Ion:330 Resp: 139344

Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.7	115.1
141	21.0	17.8	26.8

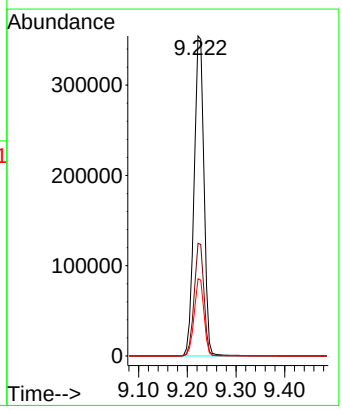


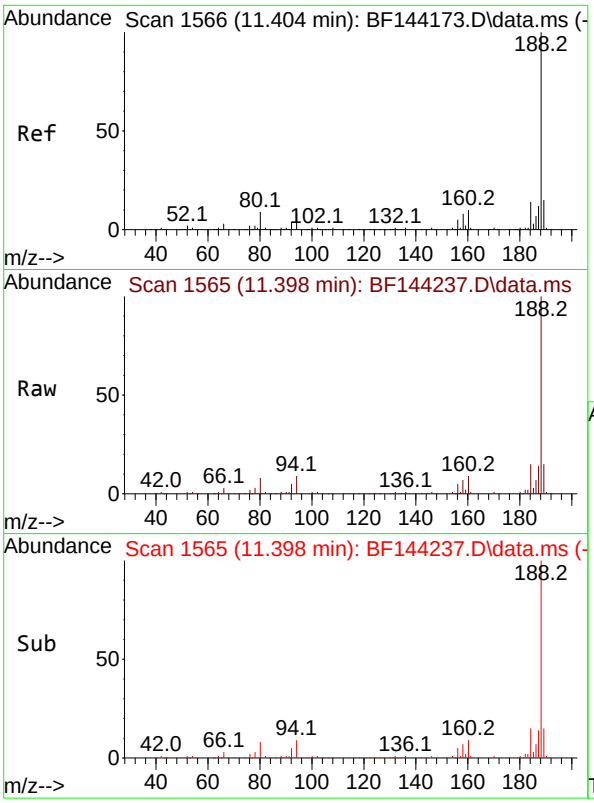


#45
2-Fluorobiphenyl
Concen: 76.136 ng
RT: 9.222 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF144237.D
Acq: 12 Nov 2025 19:20

Tgt Ion:172 Resp: 503760

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.1	42.1
170	24.1	18.6	28.0



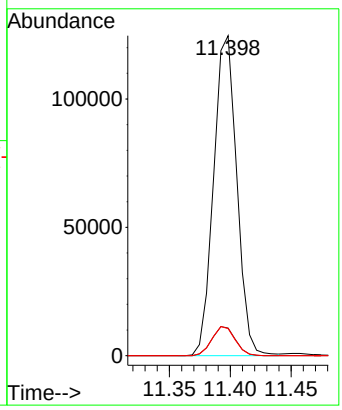


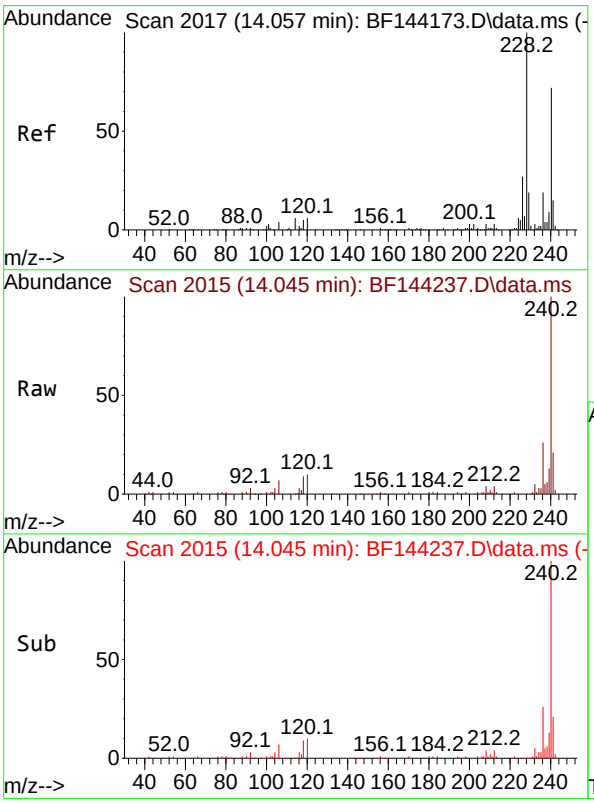
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144237.D
Acq: 12 Nov 2025 19:20

Instrument :
BNA_F
ClientSampleId :
PB170493TB

Tgt Ion:188 Resp: 165628

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.2	9.2
80	8.5	6.9	10.3

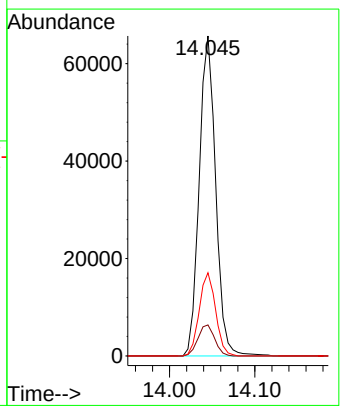


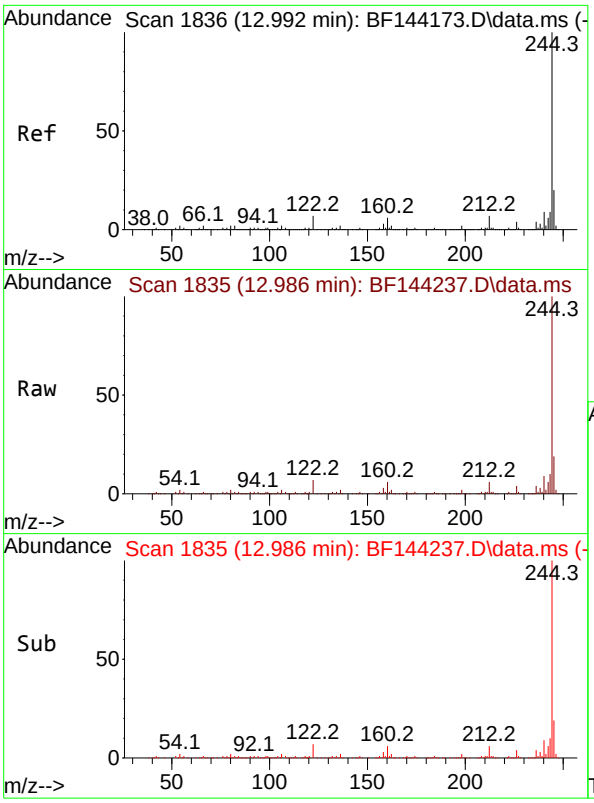


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144237.D
Acq: 12 Nov 2025 19:20

Tgt Ion:240 Resp: 88153

Ion	Ratio	Lower	Upper
240	100		
120	9.7	6.6	10.0
236	26.0	21.4	32.2



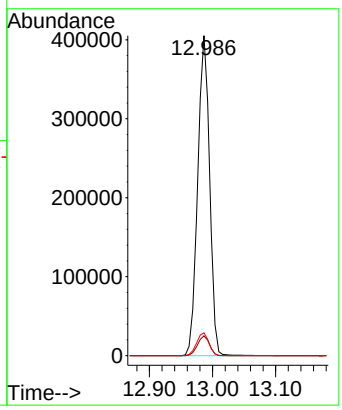


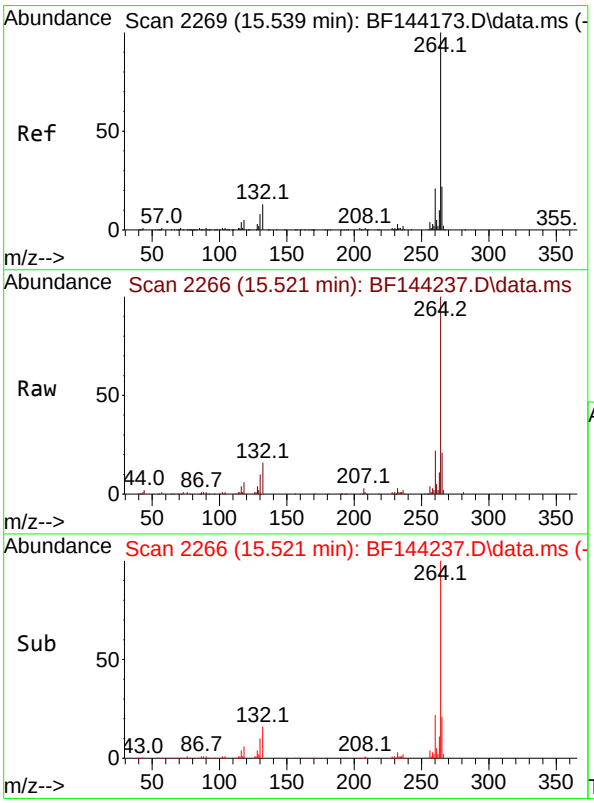
#79
Terphenyl-d14
Concen: 95.644 ng
RT: 12.986 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144237.D
Acq: 12 Nov 2025 19:20

Instrument :
BNA_F
ClientSampleId :
PB170493TB

Tgt Ion:244 Resp: 530802

Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.3	7.9
122	7.1	5.6	8.4

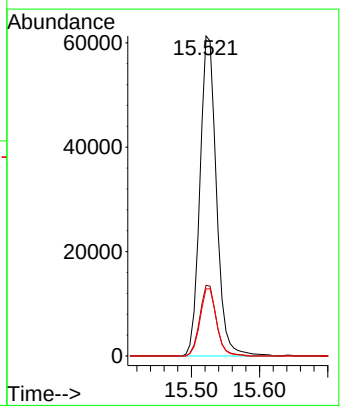




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF144237.D
Acq: 12 Nov 2025 19:20

Tgt Ion:264 Resp: 103140

Ion	Ratio	Lower	Upper
264	100		
260	22.1	17.1	25.7
265	21.0	17.4	26.0



Raw Data: **BF144238.D**

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

Report of Analysis

Client:	Roman E&G Corp			Date Collected:	11/10/25
Project:	MCUA - New Brunswick			Date Received:	11/10/25
Client Sample ID:	S-1			SDG No.:	Q3604
Lab Sample ID:	Q3604-01			Matrix:	TCLP
Analytical Method:	8270E	Level:	LOW	% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol:	1000 uL	Test:	TCLP BNA
Prep Method :	SW3541	Prep Date:	11/12/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
110-86-1	Pyridine	12.8	U	1	12.8	50.0	ug/L	11/12/25 19:50	PB170515
106-46-7	1,4-Dichlorobenzene	5.30	U	1	5.30	50.0	ug/L	11/12/25 19:50	PB170515
95-48-7	2-Methylphenol	11.2	U	1	11.2	50.0	ug/L	11/12/25 19:50	PB170515
65794-96-9	3+4-Methylphenols	11.0	U	1	11.0	100	ug/L	11/12/25 19:50	PB170515
67-72-1	Hexachloroethane	6.50	U	1	6.50	50.0	ug/L	11/12/25 19:50	PB170515
98-95-3	Nitrobenzene	7.60	U	1	7.60	50.0	ug/L	11/12/25 19:50	PB170515
87-68-3	Hexachlorobutadiene	5.40	U	1	5.40	50.0	ug/L	11/12/25 19:50	PB170515
88-06-2	2,4,6-Trichlorophenol	5.10	U	1	5.10	50.0	ug/L	11/12/25 19:50	PB170515
95-95-4	2,4,5-Trichlorophenol	6.20	U	1	6.20	50.0	ug/L	11/12/25 19:50	PB170515
121-14-2	2,4-Dinitrotoluene	12.2	U	1	12.2	50.0	ug/L	11/12/25 19:50	PB170515
118-74-1	Hexachlorobenzene	5.20	U	1	5.20	50.0	ug/L	11/12/25 19:50	PB170515
87-86-5	Pentachlorophenol	15.8	U	1	15.8	100	ug/L	11/12/25 19:50	PB170515
SURROGATES									
367-12-4	2-Fluorophenol	113			15 (10) - 110 (134)	76%	SPK: 150		
13127-88-3	Phenol-d6	110			15 (10) - 110 (135)	73%	SPK: 150		
4165-60-0	Nitrobenzene-d5	86.8			30 (39) - 130 (138)	87%	SPK: 100		
321-60-8	2-Fluorobiphenyl	80.3			30 (52) - 130 (132)	80%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	120			15 (44) - 110 (137)	80%	SPK: 150		
1718-51-0	Terphenyl-d14	84.8			30 (42) - 130 (152)	85%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	38700							
1146-65-2	Naphthalene-d8	149000							
15067-26-2	Acenaphthene-d10	83500							
1517-22-2	Phenanthrene-d10	140000							
1719-03-5	Chrysene-d12	78400							
1520-96-3	Perylene-d12	90800							

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_F\Data\BF111225\
Data File : BF144238.D
Acq On : 12 Nov 2025 19:50
Operator : RC/JU
Sample : Q3604-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1

Quant Time: Nov 13 10:42:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

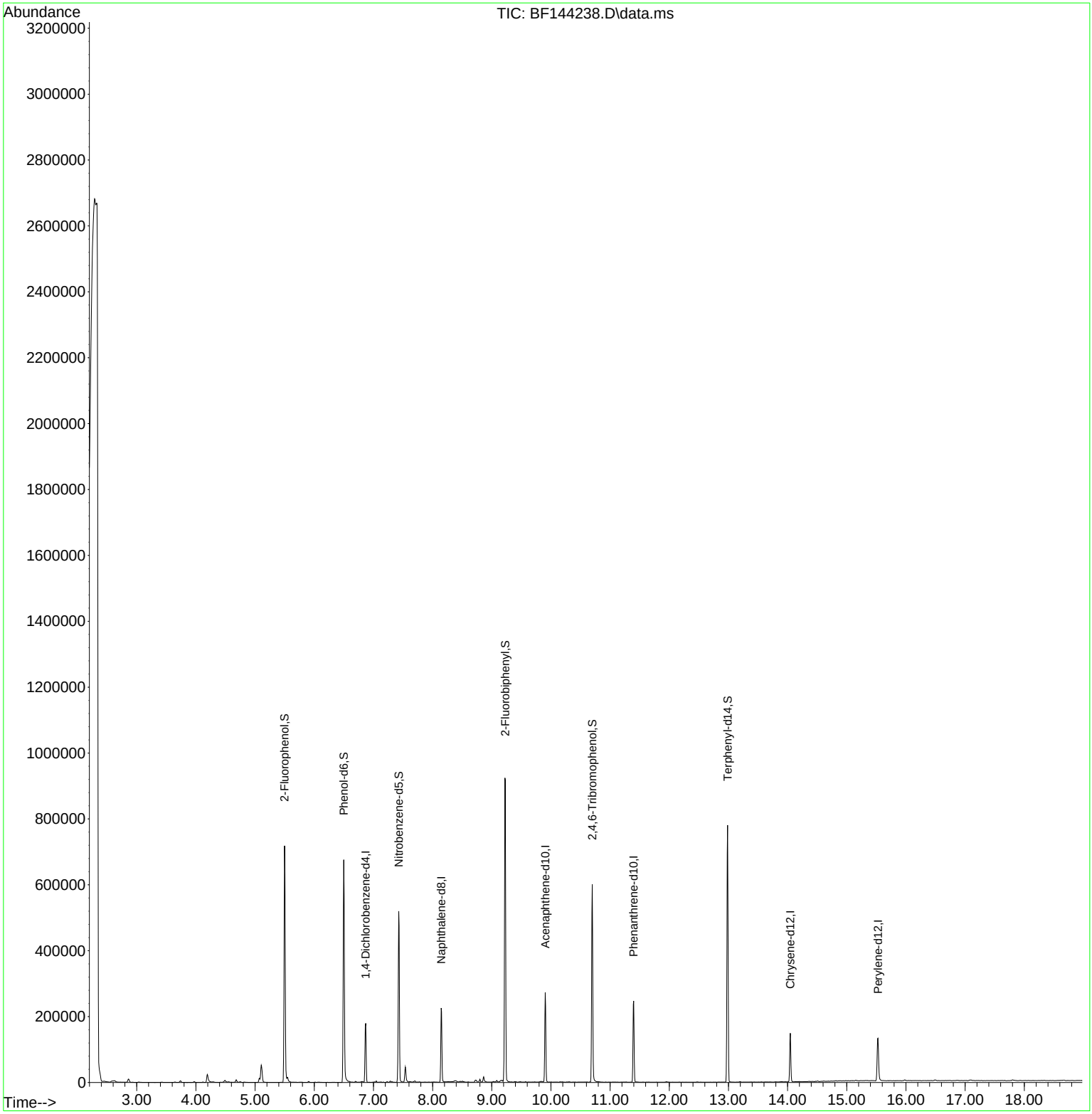
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	38704	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	149327	20.000	ng	#-0.01
39) Acenaphthene-d10	9.904	164	83545	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	140163	20.000	ng	0.00
76) Chrysene-d12	14.045	240	78393	20.000	ng	# 0.00
86) Perylene-d12	15.527	264	90826	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	280445	113.389	ng	0.00
7) Phenol-d6	6.498	99	308106	109.942	ng	0.00
23) Nitrobenzene-d5	7.428	82	224372	86.780	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	125388	119.600	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	454119	80.281	ng	0.00
79) Terphenyl-d14	12.986	244	418346	84.766	ng	0.00
Target Compounds						Qvalue

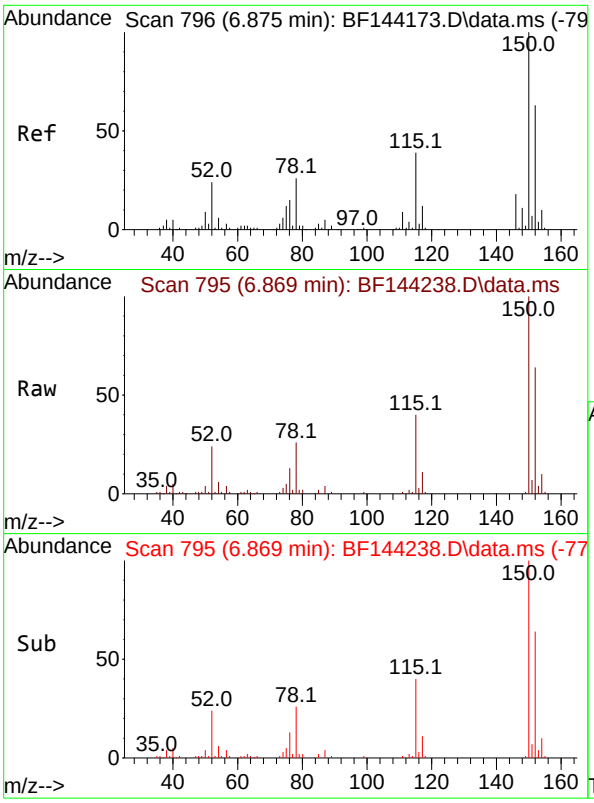
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111225\
Data File : BF144238.D
Acq On : 12 Nov 2025 19:50
Operator : RC/JU
Sample : Q3604-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1

Quant Time: Nov 13 10:42:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration



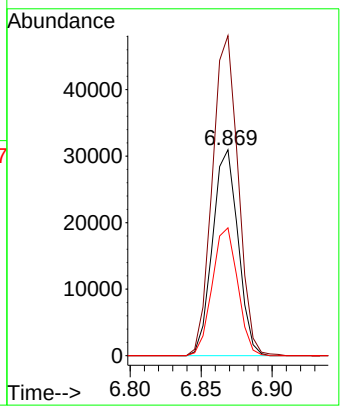


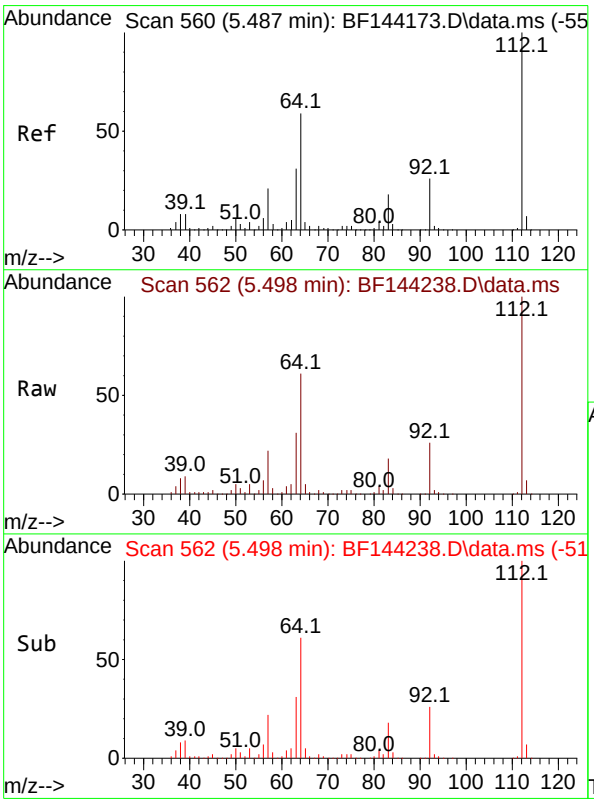
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144238.D
Acq: 12 Nov 2025 19:50

Instrument :
BNA_F
ClientSampleId :
S-1

Tgt Ion:152 Resp: 38704

Ion	Ratio	Lower	Upper
152	100		
150	155.4	127.4	191.0
115	62.1	49.5	74.3

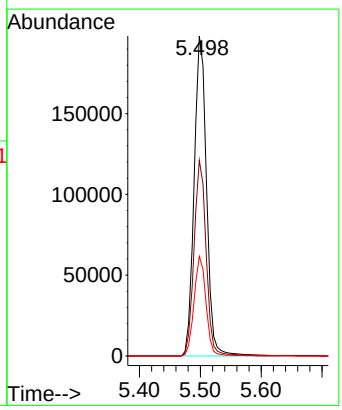


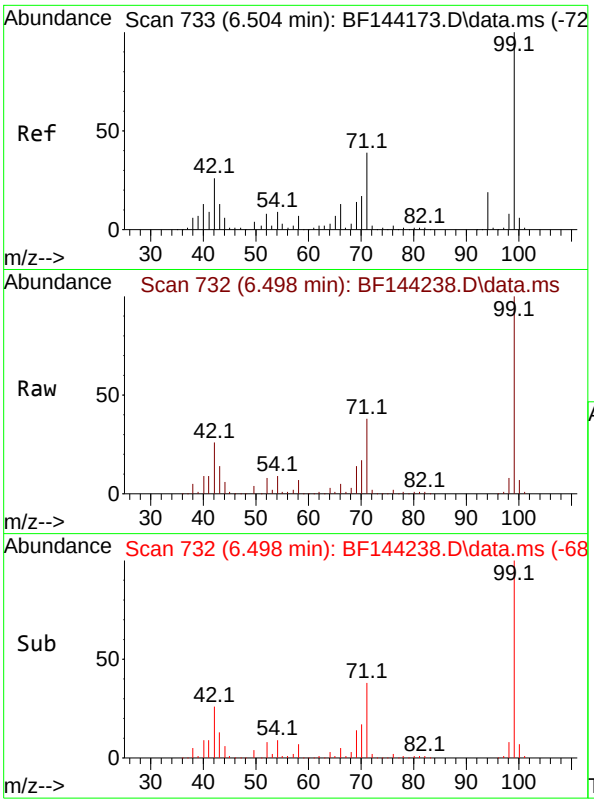


#5
2-Fluorophenol
Concen: 113.389 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF144238.D
Acq: 12 Nov 2025 19:50

Tgt Ion:112 Resp: 280445

Ion	Ratio	Lower	Upper
112	100		
64	61.1	47.2	70.8
63	31.1	24.4	36.6



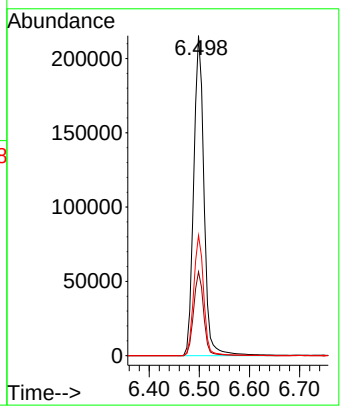


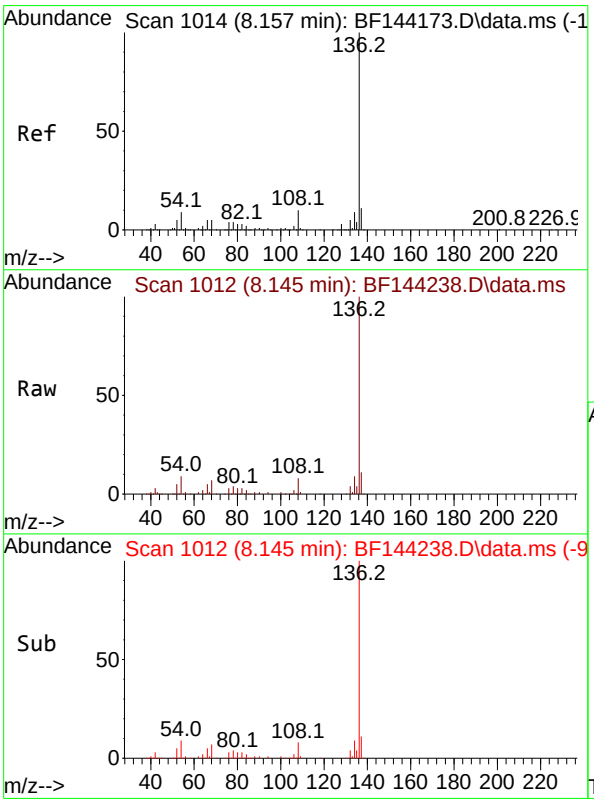
#7
Phenol-d6
Concen: 109.942 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144238.D
Acq: 12 Nov 2025 19:50

Instrument :
BNA_F
ClientSampleId :
S-1

Tgt Ion: 99 Resp: 308106

Ion	Ratio	Lower	Upper
99	100		
42	26.2	20.9	31.3
71	37.6	31.4	47.2

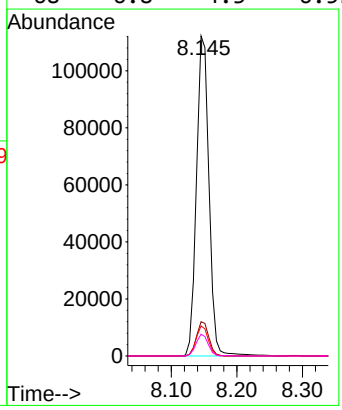


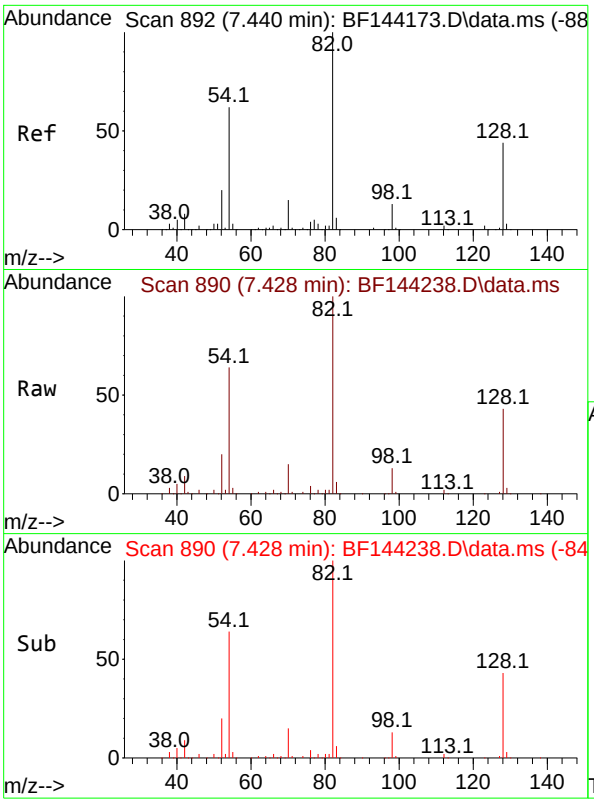


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144238.D
Acq: 12 Nov 2025 19:50

Tgt Ion:136 Resp: 149327

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.4	7.0	10.6
68	6.8	4.3	6.5#



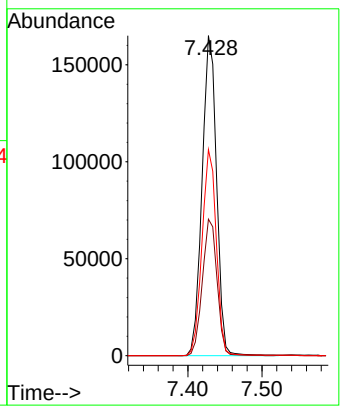


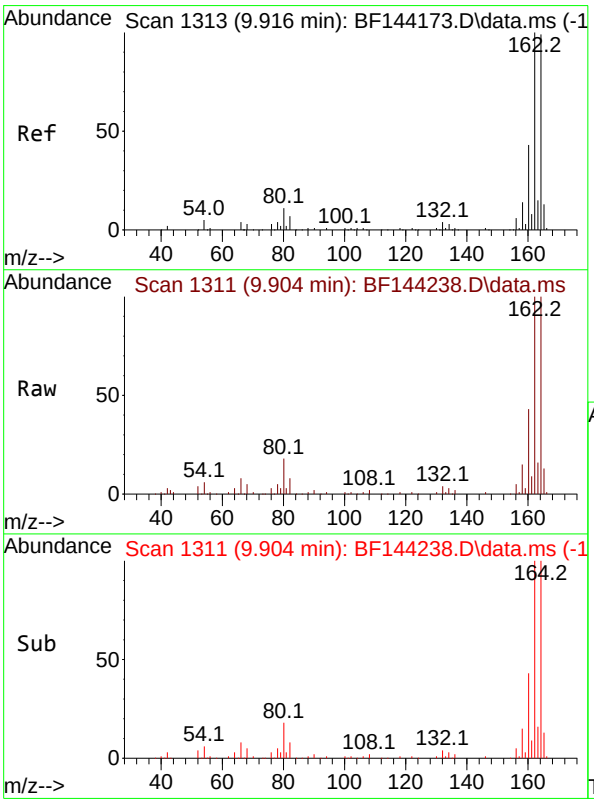
#23
Nitrobenzene-d5
Concen: 86.780 ng
RT: 7.428 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144238.D
Acq: 12 Nov 2025 19:50

Instrument :
BNA_F
ClientSampleId :
S-1

Tgt Ion: 82 Resp: 224372

Ion	Ratio	Lower	Upper
82	100		
128	42.6	34.7	52.1
54	64.4	49.5	74.3

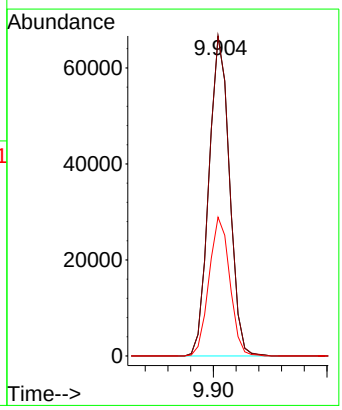


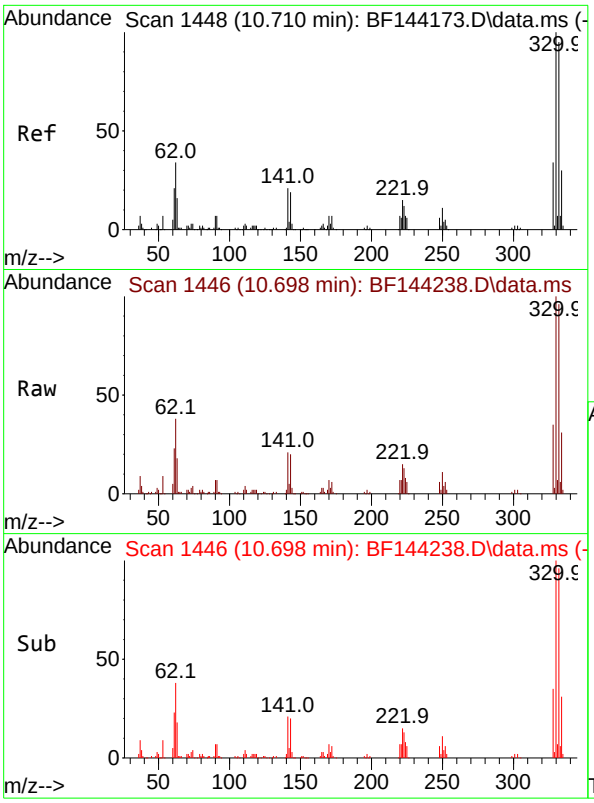


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144238.D
Acq: 12 Nov 2025 19:50

Tgt Ion:164 Resp: 83545

Ion	Ratio	Lower	Upper
164	100		
162	100.2	81.1	121.7
160	43.4	34.5	51.7



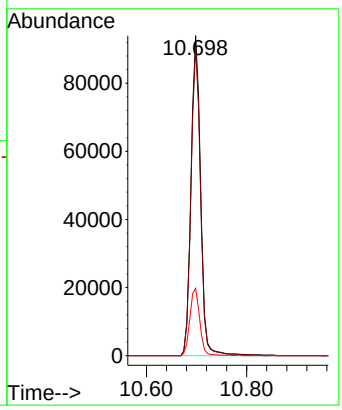


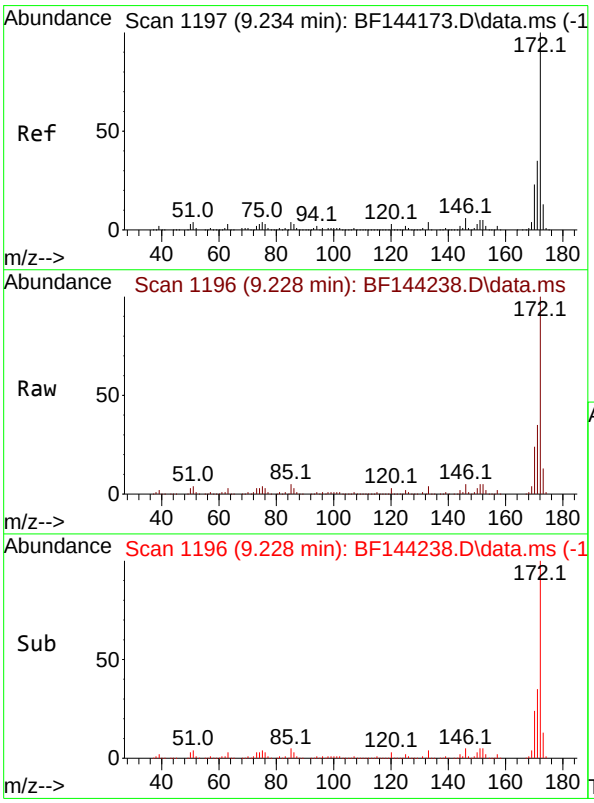
#42
2,4,6-Tribromophenol
Concen: 119.600 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144238.D
Acq: 12 Nov 2025 19:50

Instrument :
BNA_F
ClientSampleId :
S-1

Tgt Ion:330 Resp: 125388

Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.7	115.1
141	21.6	17.8	26.8

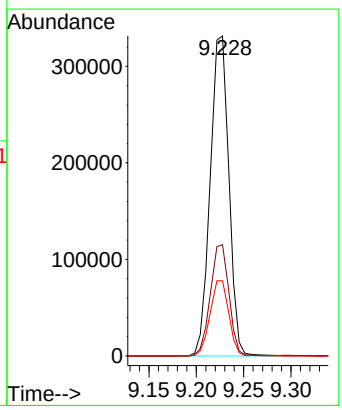


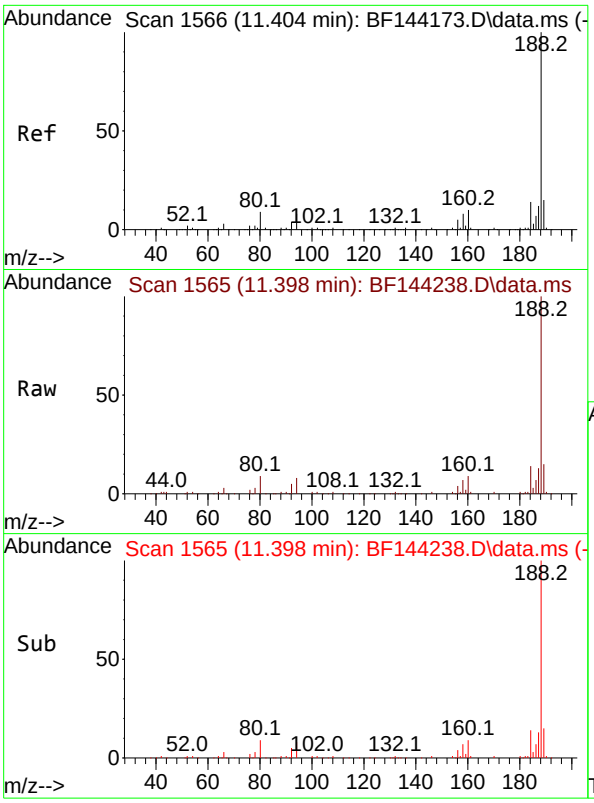


#45
2-Fluorobiphenyl
Concen: 80.281 ng
RT: 9.228 min Scan# 1196
Delta R.T. -0.000 min
Lab File: BF144238.D
Acq: 12 Nov 2025 19:50

Tgt Ion:172 Resp: 454119

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.1	42.1
170	23.5	18.6	28.0



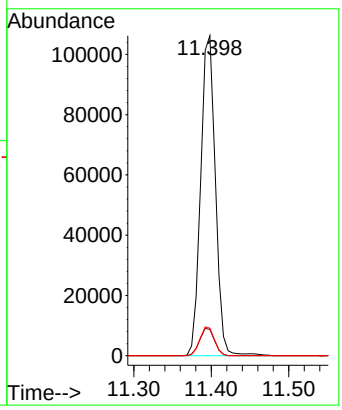


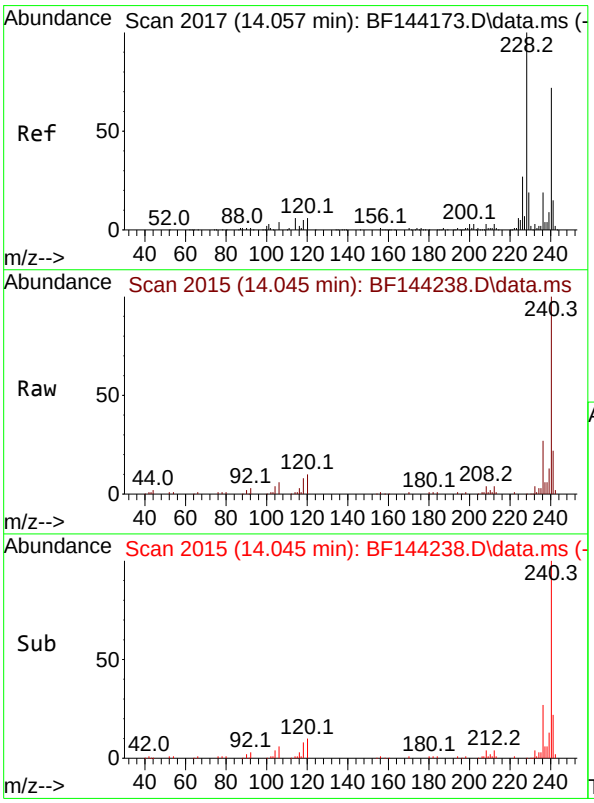
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144238.D
Acq: 12 Nov 2025 19:50

Instrument :
BNA_F
ClientSampleId :
S-1

Tgt Ion:188 Resp: 140163

Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.2	9.2
80	8.6	6.9	10.3

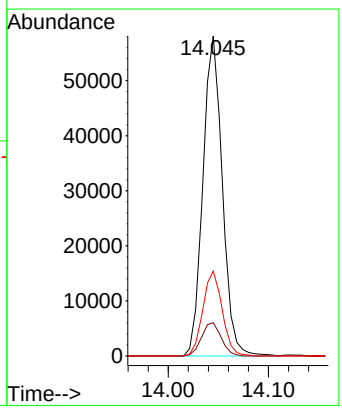


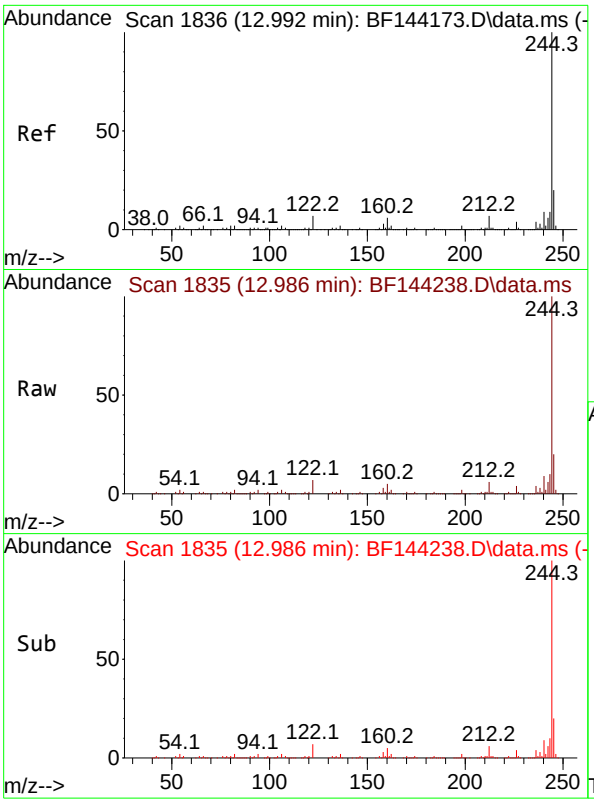


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144238.D
Acq: 12 Nov 2025 19:50

Tgt Ion:240 Resp: 78393

Ion	Ratio	Lower	Upper
240	100		
120	10.4	6.6	10.0#
236	26.5	21.4	32.2



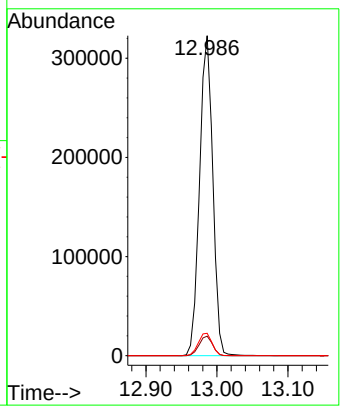


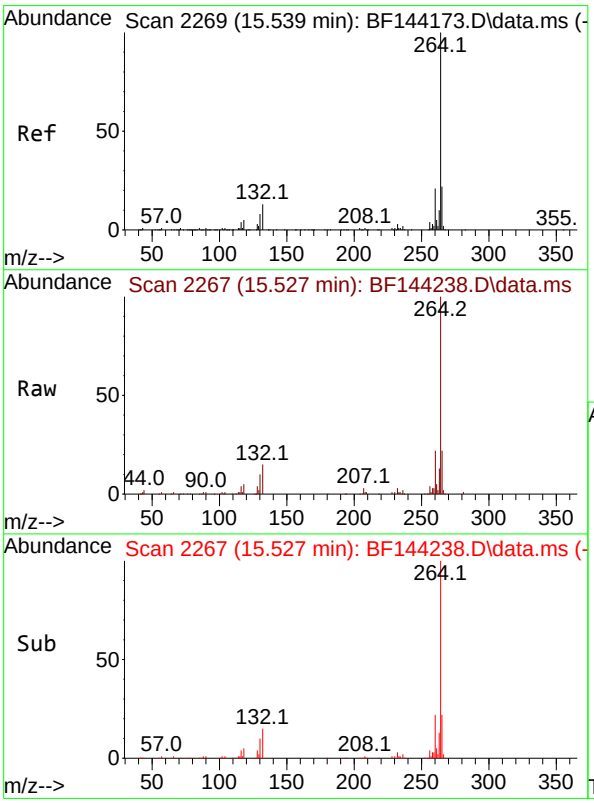
#79
Terphenyl-d14
Concen: 84.766 ng
RT: 12.986 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144238.D
Acq: 12 Nov 2025 19:50

Instrument :
BNA_F
ClientSampleId :
S-1

Tgt Ion:244 Resp: 418346

Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.3	7.9
122	7.0	5.6	8.4

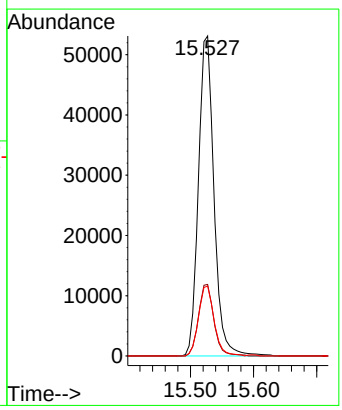




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF144238.D
Acq: 12 Nov 2025 19:50

Tgt Ion:264 Resp: 90826

Ion	Ratio	Lower	Upper
264	100		
260	22.4	17.1	25.7
265	21.8	17.4	26.0



Raw Data: **BF144241.D**

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

Report of Analysis

Client:	Roman E&G Corp			Date Collected:	11/10/25
Project:	MCUA - New Brunswick			Date Received:	11/10/25
Client Sample ID:	S-2			SDG No.:	Q3604
Lab Sample ID:	Q3604-02			Matrix:	TCLP
Analytical Method:	8270E	Level:	LOW	% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol:	1000 uL	Test:	TCLP BNA
Prep Method :	SW3541	Prep Date:	11/12/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
110-86-1	Pyridine	12.8	U	1	12.8	50.0	ug/L	11/12/25 21:19	PB170515
106-46-7	1,4-Dichlorobenzene	5.30	U	1	5.30	50.0	ug/L	11/12/25 21:19	PB170515
95-48-7	2-Methylphenol	11.2	U	1	11.2	50.0	ug/L	11/12/25 21:19	PB170515
65794-96-9	3+4-Methylphenols	11.0	U	1	11.0	100	ug/L	11/12/25 21:19	PB170515
67-72-1	Hexachloroethane	6.50	U	1	6.50	50.0	ug/L	11/12/25 21:19	PB170515
98-95-3	Nitrobenzene	7.60	U	1	7.60	50.0	ug/L	11/12/25 21:19	PB170515
87-68-3	Hexachlorobutadiene	5.40	U	1	5.40	50.0	ug/L	11/12/25 21:19	PB170515
88-06-2	2,4,6-Trichlorophenol	5.10	U	1	5.10	50.0	ug/L	11/12/25 21:19	PB170515
95-95-4	2,4,5-Trichlorophenol	6.20	U	1	6.20	50.0	ug/L	11/12/25 21:19	PB170515
121-14-2	2,4-Dinitrotoluene	12.2	U	1	12.2	50.0	ug/L	11/12/25 21:19	PB170515
118-74-1	Hexachlorobenzene	5.20	U	1	5.20	50.0	ug/L	11/12/25 21:19	PB170515
87-86-5	Pentachlorophenol	15.8	U	1	15.8	100	ug/L	11/12/25 21:19	PB170515
SURROGATES									
367-12-4	2-Fluorophenol	119			15 (10) - 110 (134)	79%	SPK: 150		
13127-88-3	Phenol-d6	114			15 (10) - 110 (135)	76%	SPK: 150		
4165-60-0	Nitrobenzene-d5	90.9			30 (39) - 130 (138)	91%	SPK: 100		
321-60-8	2-Fluorobiphenyl	84.7			30 (52) - 130 (132)	85%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	134			15 (44) - 110 (137)	89%	SPK: 150		
1718-51-0	Terphenyl-d14	82.6			30 (42) - 130 (152)	83%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	38000							
1146-65-2	Naphthalene-d8	151000							
15067-26-2	Acenaphthene-d10	83600							
1517-22-2	Phenanthrene-d10	147000							
1719-03-5	Chrysene-d12	78500							
1520-96-3	Perylene-d12	60400							

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_F\Data\BF111225\
Data File : BF144241.D
Acq On : 12 Nov 2025 21:19
Operator : RC/JU
Sample : Q3604-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-2

Quant Time: Nov 13 10:44:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

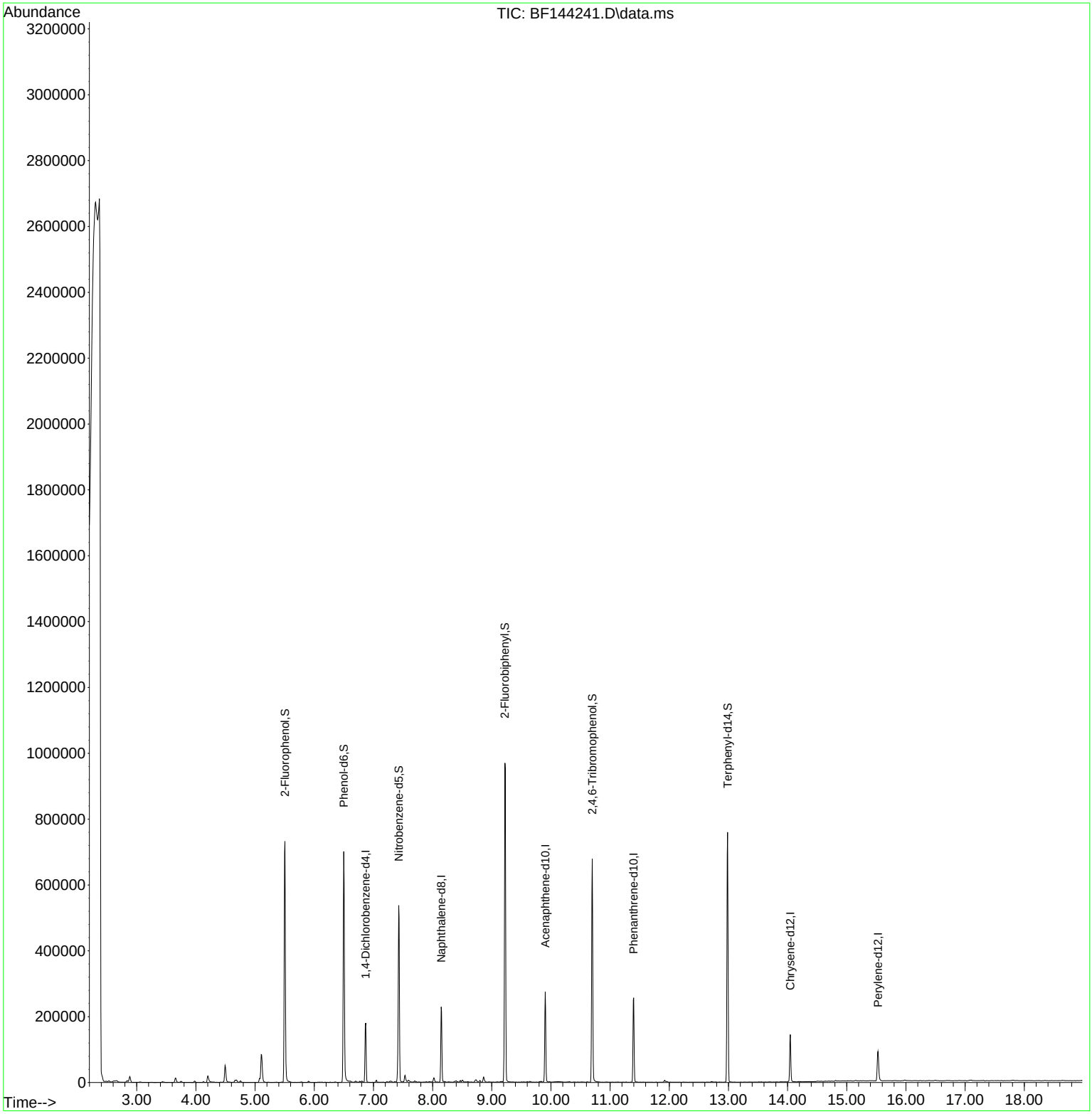
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	38006	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	150573	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	83623	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	146516	20.000	ng	0.00
76) Chrysene-d12	14.045	240	78541	20.000	ng	0.00
86) Perylene-d12	15.527	264	60402	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	289159	119.059	ng	0.01
7) Phenol-d6	6.498	99	314233	114.187	ng	0.00
23) Nitrobenzene-d5	7.428	82	237011	90.910	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	140738	134.116	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	479421	84.674	ng	0.00
79) Terphenyl-d14	12.986	244	408379	82.590	ng	0.00
Target Compounds						Qvalue

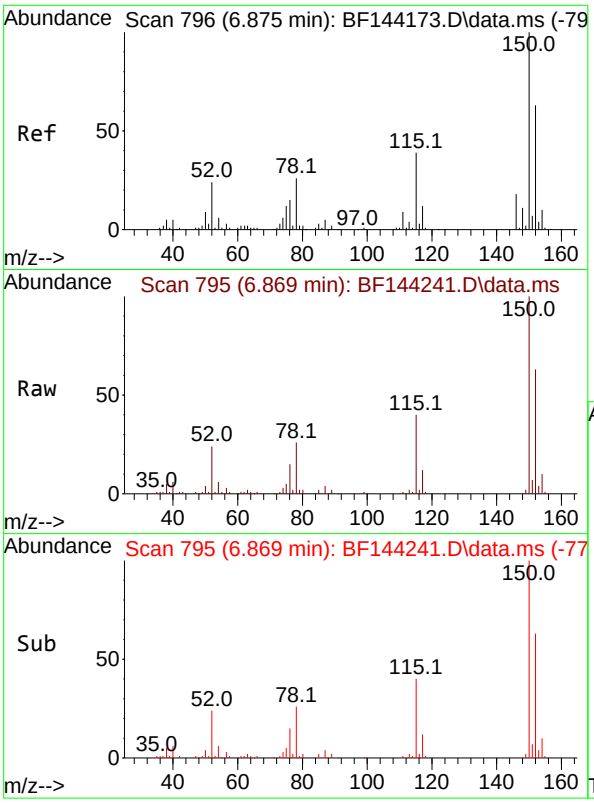
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111225\
Data File : BF144241.D
Acq On : 12 Nov 2025 21:19
Operator : RC/JU
Sample : Q3604-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-2

Quant Time: Nov 13 10:44:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration



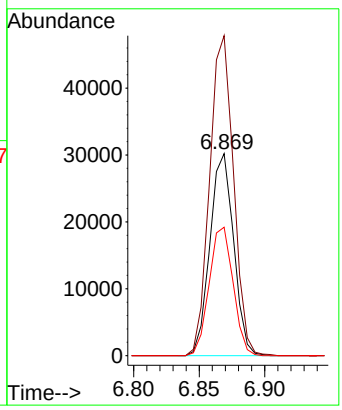


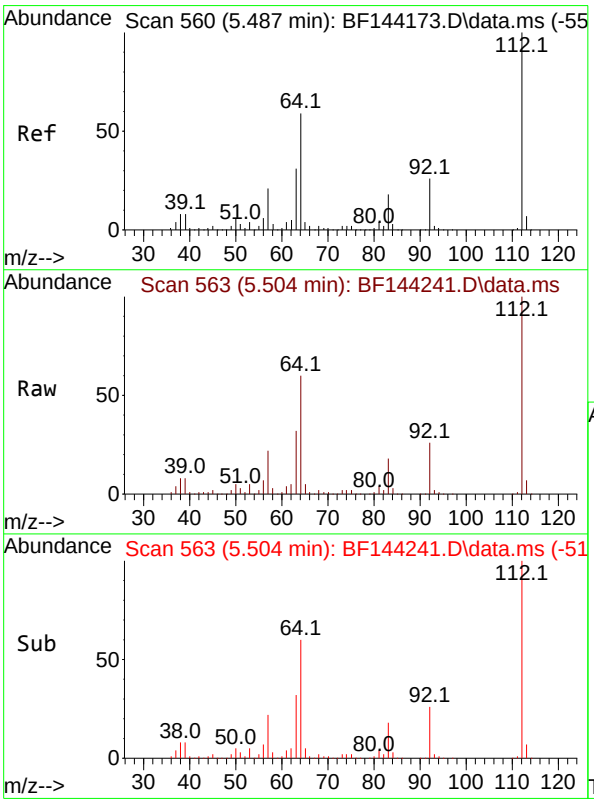
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144241.D
Acq: 12 Nov 2025 21:19

Instrument :
BNA_F
ClientSampleId :
S-2

Tgt Ion:152 Resp: 38006

Ion	Ratio	Lower	Upper
152	100		
150	158.4	127.4	191.0
115	63.6	49.5	74.3

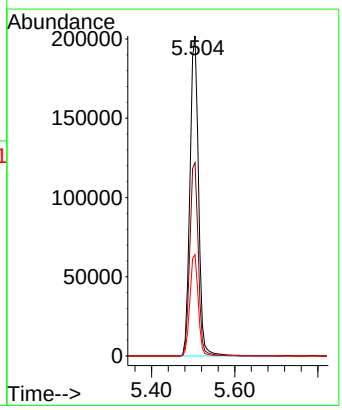


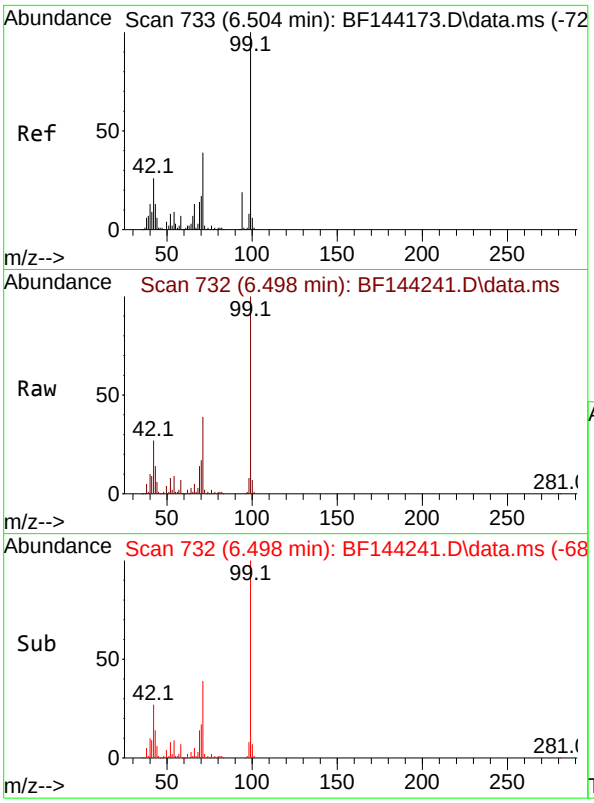


#5
2-Fluorophenol
Concen: 119.059 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF144241.D
Acq: 12 Nov 2025 21:19

Tgt Ion:112 Resp: 289159

Ion	Ratio	Lower	Upper
112	100		
64	60.4	47.2	70.8
63	31.6	24.4	36.6



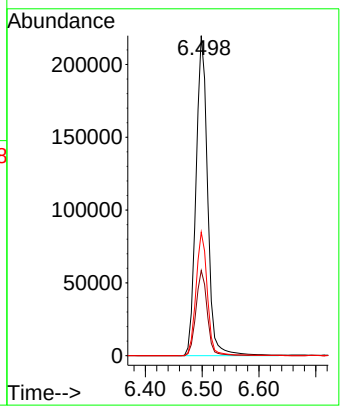


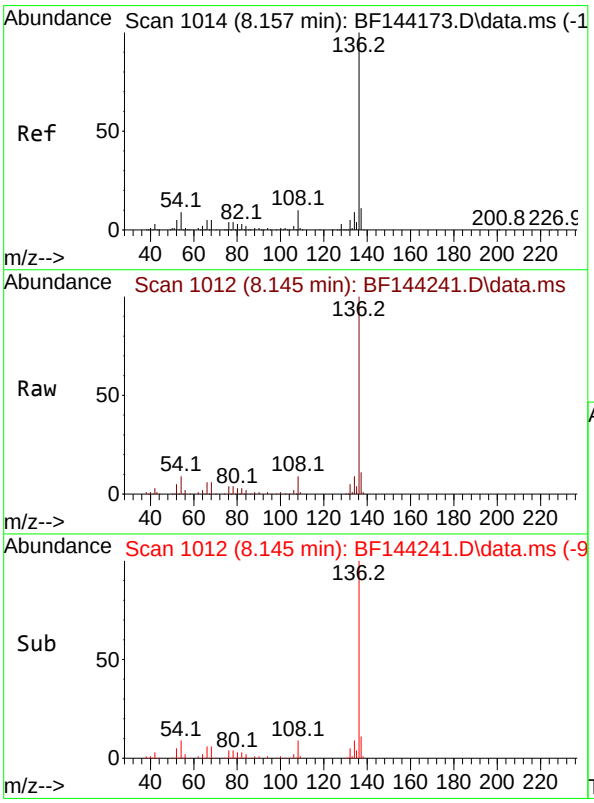
#7
Phenol-d6
Concen: 114.187 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144241.D
Acq: 12 Nov 2025 21:19

Instrument :
BNA_F
ClientSampleId :
S-2

Tgt Ion: 99 Resp: 314233

Ion	Ratio	Lower	Upper
99	100		
42	26.6	20.9	31.3
71	38.6	31.4	47.2

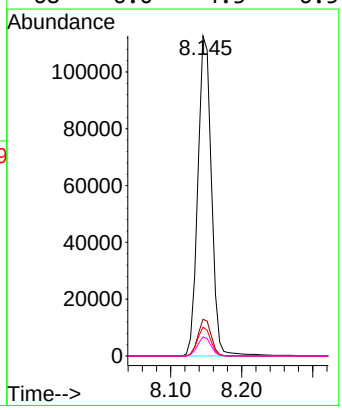


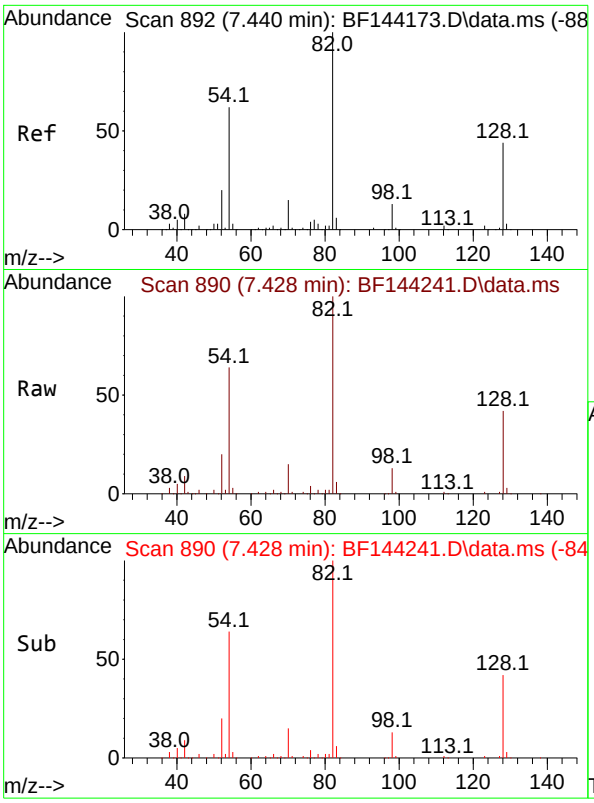


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144241.D
Acq: 12 Nov 2025 21:19

Tgt Ion:136 Resp: 150573

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.6	13.0
54	9.0	7.0	10.6
68	6.0	4.3	6.5



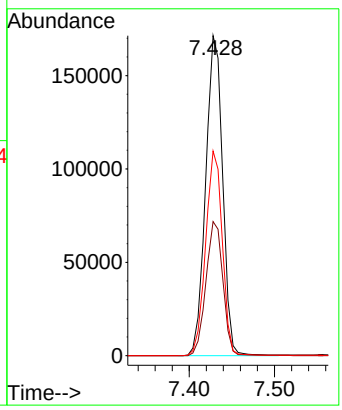


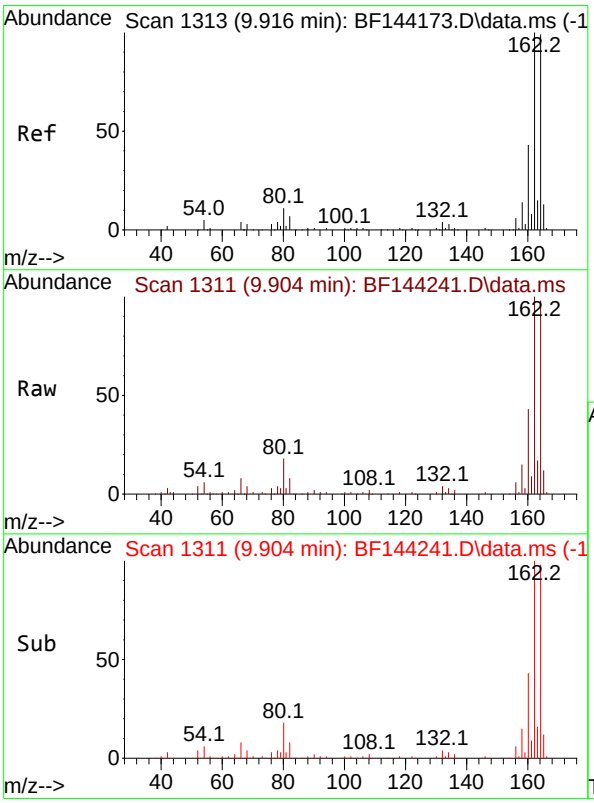
#23
Nitrobenzene-d5
Concen: 90.910 ng
RT: 7.428 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144241.D
Acq: 12 Nov 2025 21:19

Instrument :
BNA_F
ClientSampleId :
S-2

Tgt Ion: 82 Resp: 237011

Ion	Ratio	Lower	Upper
82	100		
128	41.9	34.7	52.1
54	63.9	49.5	74.3

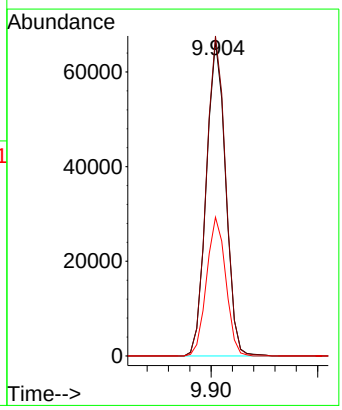


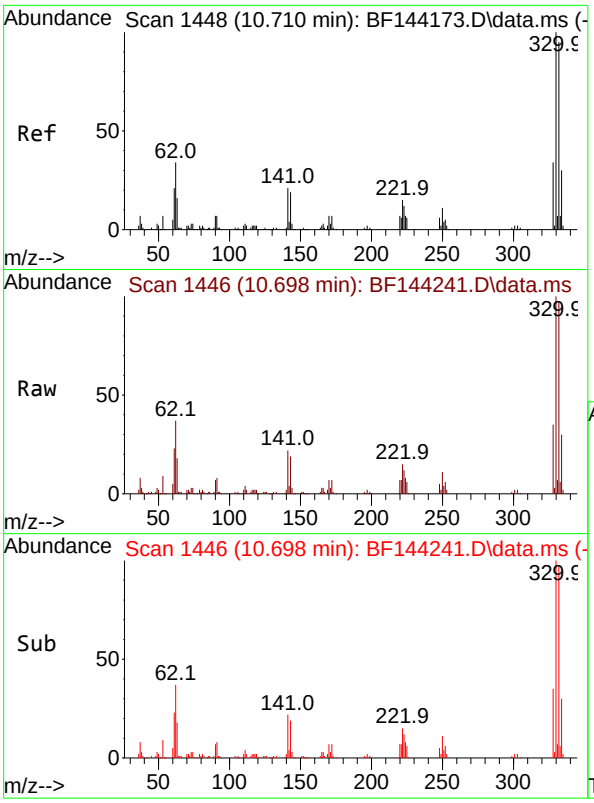


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144241.D
Acq: 12 Nov 2025 21:19

Tgt Ion:164 Resp: 83623

Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.1	121.7
160	44.0	34.5	51.7



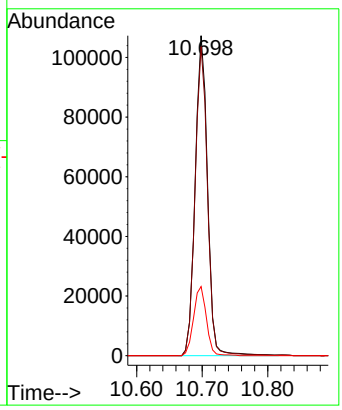


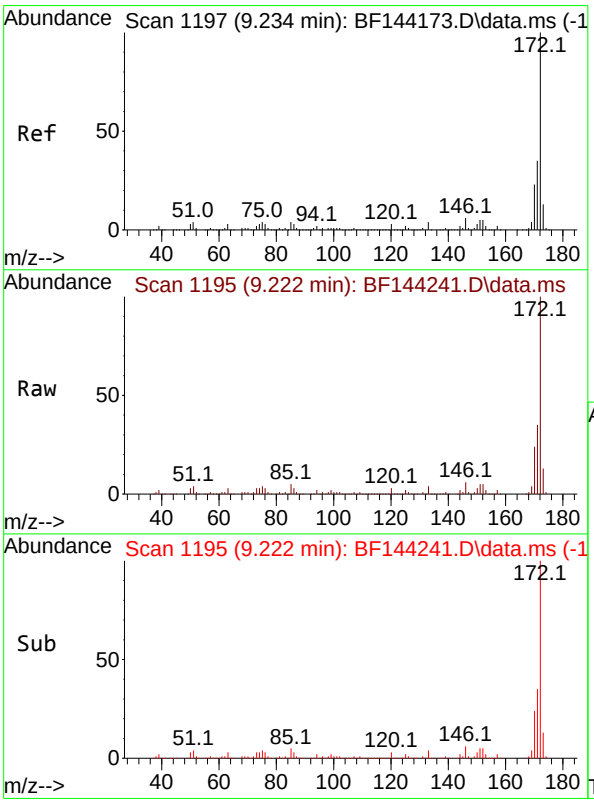
#42
2,4,6-Tribromophenol
Concen: 134.116 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144241.D
Acq: 12 Nov 2025 21:19

Instrument :
BNA_F
ClientSampleId :
S-2

Tgt Ion:330 Resp: 140738

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.7	115.1
141	22.4	17.8	26.8

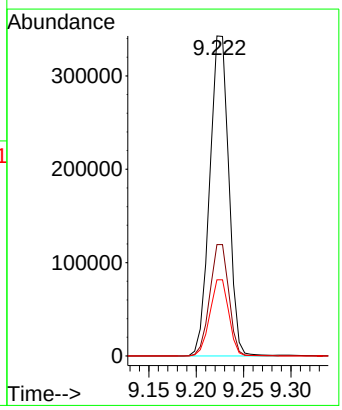


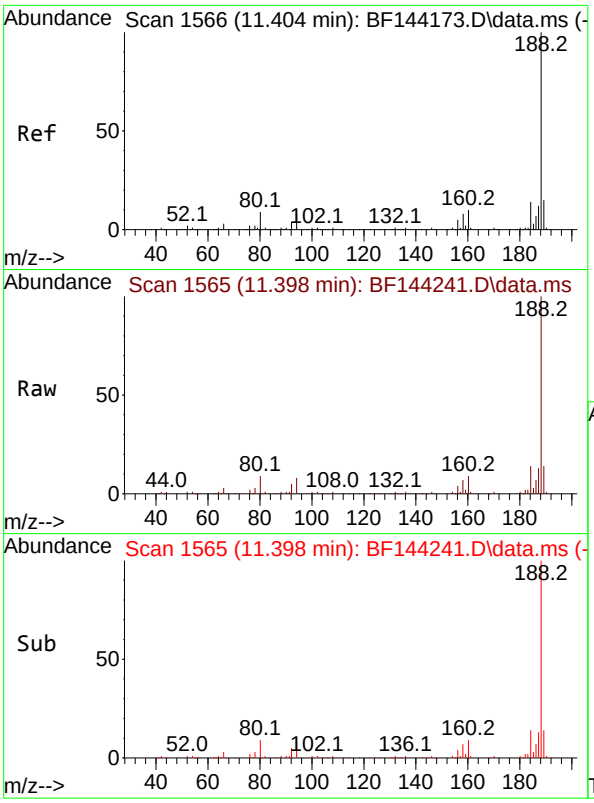


#45
2-Fluorobiphenyl
Concen: 84.674 ng
RT: 9.222 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF144241.D
Acq: 12 Nov 2025 21:19

Tgt Ion:172 Resp: 479421

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.1	42.1
170	23.8	18.6	28.0



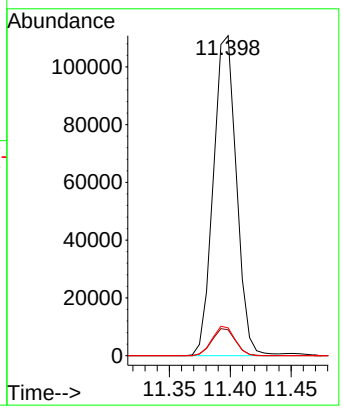


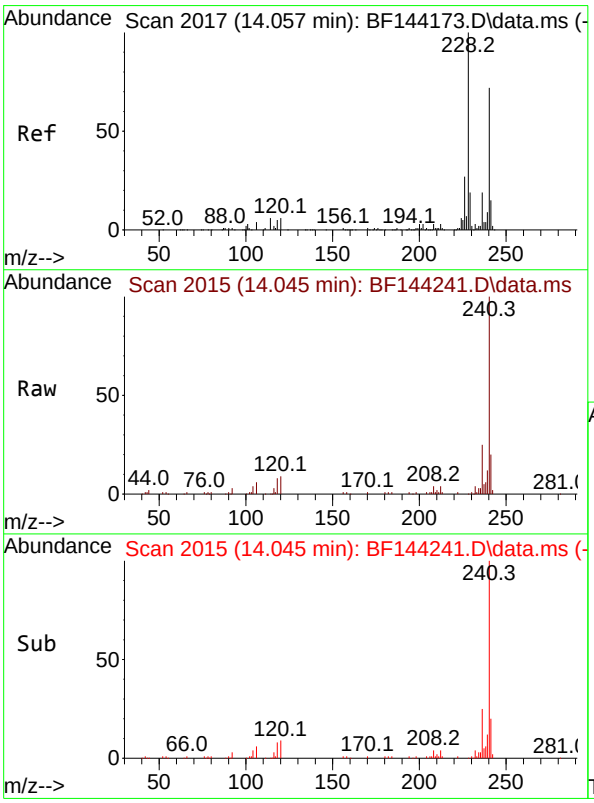
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144241.D
Acq: 12 Nov 2025 21:19

Instrument :
BNA_F
ClientSampleId :
S-2

Tgt Ion:188 Resp: 146516

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.2	9.2
80	8.7	6.9	10.3

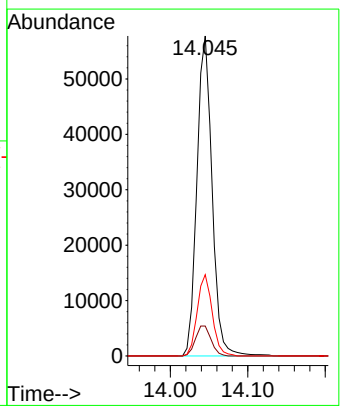


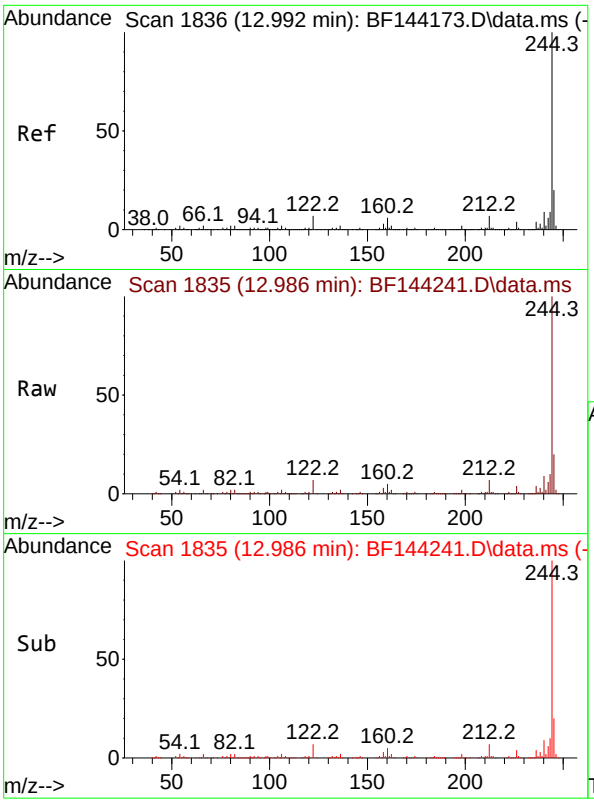


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144241.D
Acq: 12 Nov 2025 21:19

Tgt Ion:240 Resp: 78541

Ion	Ratio	Lower	Upper
240	100		
120	9.3	6.6	10.0
236	25.4	21.4	32.2



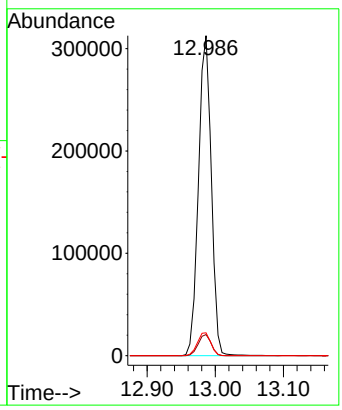


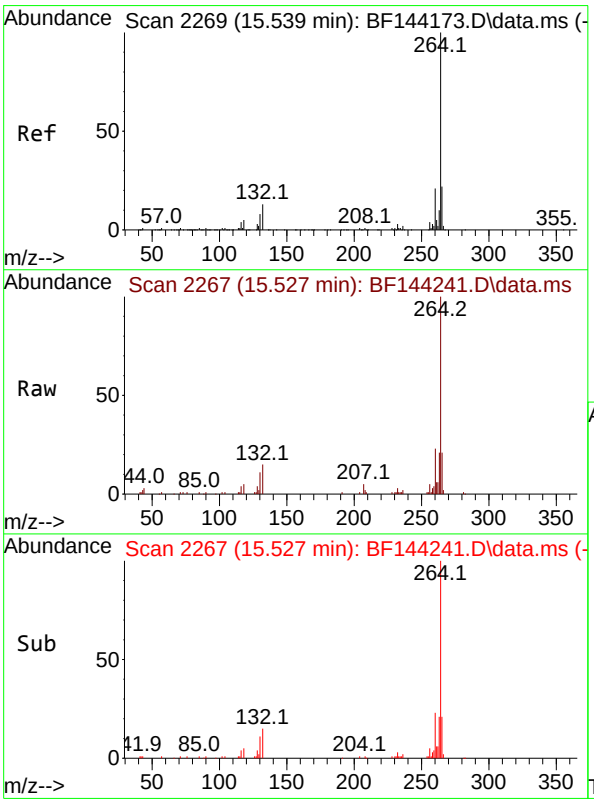
#79
Terphenyl-d14
Concen: 82.590 ng
RT: 12.986 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144241.D
Acq: 12 Nov 2025 21:19

Instrument :
BNA_F
ClientSampleId :
S-2

Tgt Ion:244 Resp: 408379

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	7.2	5.6	8.4

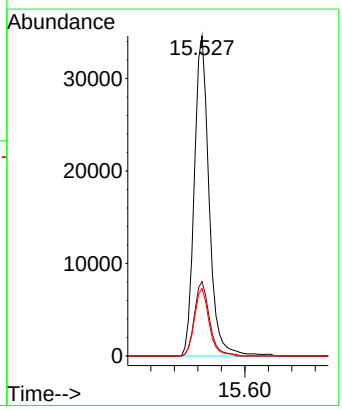




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF144241.D
Acq: 12 Nov 2025 21:19

Tgt Ion:264 Resp: 60402

Ion	Ratio	Lower	Upper
264	100		
260	23.3	17.1	25.7
265	21.1	17.4	26.0



CALIBRATION SUMMARY

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: ROMA02

Lab Code: ACE SDG No.: Q3604

Instrument ID: BNA_F Calibration Date(s): 11/05/2025 11/05/2025

Calibration Time(s): 12:50 16:49

LAB FILE ID: RRF2.5 = BF144169.D RRF005 = BF144170.D RRF010 = BF144171.D
RRF020 = BF144172.D RRF040 = BF144173.D RRF050 = BF144174.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Pyridine		1.374	1.406	1.491	1.520	1.378	1.474	6.1
2-Fluorophenol		1.332	1.303	1.316	1.315	1.157	1.278	5.6
Phenol-d6		1.566	1.518	1.511	1.460	1.281	1.448	7.1
1,4-Dichlorobenzene		1.669	1.563	1.583	1.591	1.372	1.549	6.4
2-Methylphenol		1.031	1.054	1.007	1.033	0.895	0.997	5.4
3+4-Methylphenols			1.330	1.223	1.215	1.030	1.175	9.2
Nitrobenzene-d5		0.343	0.352	0.349	0.360	0.321	0.346	4.1
Hexachloroethane		0.512	0.513	0.532	0.532	0.467	0.515	4.9
Nitrobenzene		0.370	0.390	0.376	0.388	0.342	0.376	4.9
Hexachlorobutadiene		0.256	0.250	0.252	0.259	0.232	0.249	4.0
2,4,6-Trichlorophenol		0.440	0.449	0.449	0.456	0.409	0.446	5.5
2-Fluorobiphenyl		1.598	1.428	1.361	1.350	1.177	1.354	10.7
2,4,5-Trichlorophenol		0.497	0.489	0.497	0.489	0.438	0.481	5.1
2,4-Dinitrotoluene		0.322	0.377	0.372	0.385	0.328	0.359	7.1
2,4,6-Tribromophenol		0.242	0.257	0.257	0.265	0.227	0.251	5.3
Hexachlorobenzene		0.306	0.306	0.305	0.300	0.273	0.301	4.7
Pentachlorophenol			0.135	0.144	0.156	0.137	0.150	8.8
Terphenyl-d14		1.403	1.415	1.274	1.317	1.042	1.259	10.7

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 05 18:37:33 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF144169.D 5 =BF144170.D 10 =BF144171.D 20 =BF144172.D 40 =BF144173.D 50 =BF144174.D 60 =BF144175.D 80 =BF1441
76.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.526	0.487	0.518	0.554	0.500	0.573	0.540	0.528	5.68
3)		Pyridine		1.374	1.406	1.491	1.520	1.378	1.607	1.543	1.474	6.12
4)		n-Nitrosodimet...			0.719	0.726	0.775	0.723	0.868	0.810	0.770	7.79
5)	S	2-Fluorophenol		1.332	1.303	1.316	1.315	1.157	1.330	1.193	1.278	5.62
6)		Aniline		2.194	2.169	2.114	2.067	1.841	2.139	1.920	2.063	6.46
7)	S	Phenol-d6		1.566	1.518	1.511	1.460	1.281	1.461	1.339	1.448	7.08
8)		2-Chlorophenol		1.242	1.309	1.292	1.281	1.152	1.293	1.204	1.253	4.59
9)		Benzaldehyde			1.033	0.917	0.816	0.672	0.786	0.683	0.818	16.99
10)	C	Phenol		1.845	1.896	1.840	1.858	1.562	1.790	1.594	1.769	7.60
11)		bis(2-Chloroet...		1.278	1.333	1.342	1.316	1.155	1.341	1.259	1.289	5.22
12)		1,3-Dichlorobe...		1.677	1.573	1.583	1.541	1.397	1.586	1.468	1.547	5.86
13)	C	1,4-Dichlorobe...		1.669	1.563	1.583	1.591	1.372	1.604	1.464	1.549	6.40
14)		1,2-Dichlorobe...		1.651	1.510	1.488	1.485	1.325	1.533	1.404	1.485	6.88
15)		Benzyl Alcohol			1.140	1.188	1.161	1.050	1.197	1.145	1.147	4.61
16)		2,2'-oxybis(1-...		2.408	2.470	2.496	2.418	2.147	2.442	2.238	2.374	5.50
17)		2-Methylphenol		1.031	1.054	1.007	1.033	0.895	1.002	0.958	0.997	5.44
18)		Hexachloroethane		0.512	0.513	0.532	0.532	0.467	0.543	0.504	0.515	4.90
19)	P	n-Nitroso-di-n...	0.998	1.010	1.023	0.996	0.950	0.813	0.937	0.900	0.953	7.38
20)		3+4-Methylphenols			1.330	1.223	1.215	1.030	1.175	1.080	1.175	9.16
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.479	0.464	0.434	0.434	0.380	0.421	0.391	0.429	8.34
23)	S	Nitrobenzene-d5		0.343	0.352	0.349	0.360	0.321	0.361	0.338	0.346	4.07
24)		Nitrobenzene		0.370	0.390	0.376	0.388	0.342	0.398	0.368	0.376	4.90
25)		Isophorone		0.659	0.668	0.669	0.673	0.581	0.675	0.659	0.655	5.05
26)	C	2-Nitrophenol		0.167	0.187	0.191	0.197	0.174	0.200	0.186	0.186	6.47
27)		2,4-Dimethylph...		0.281	0.278	0.265	0.298	0.260	0.295	0.275	0.279	5.08
28)		bis(2-Chloroet...		0.426	0.417	0.412	0.423	0.372	0.423	0.390	0.409	5.02
29)	C	2,4-Dichloroph...		0.334	0.342	0.330	0.331	0.289	0.326	0.297	0.322	6.20
30)		1,2,4-Trichlor...		0.350	0.349	0.332	0.337	0.296	0.335	0.312	0.330	5.96
31)		Naphthalene		1.019	1.008	0.982	0.969	0.850	0.952	0.880	0.951	6.71
32)		Benzoic acid			0.268	0.220	0.180	0.165	0.190	0.204	0.204	17.90
33)		4-Chloroaniline		0.358	0.364	0.355	0.362	0.309	0.355	0.326	0.347	6.07
34)	C	Hexachlorobuta...		0.256	0.250	0.252	0.259	0.232	0.254	0.238	0.249	4.03
35)		Caprolactam			0.094	0.093	0.092	0.075	0.087	0.088	0.088	8.10
36)	C	4-Chloro-3-met...		0.283	0.307	0.304	0.297	0.259	0.290	0.277	0.288	5.77
37)		2-Methylnaphth...		0.702	0.672	0.665	0.647	0.559	0.623	0.583	0.636	7.98
38)		1-Methylnaphth...		0.667	0.681	0.632	0.620	0.536	0.600	0.561	0.614	8.61

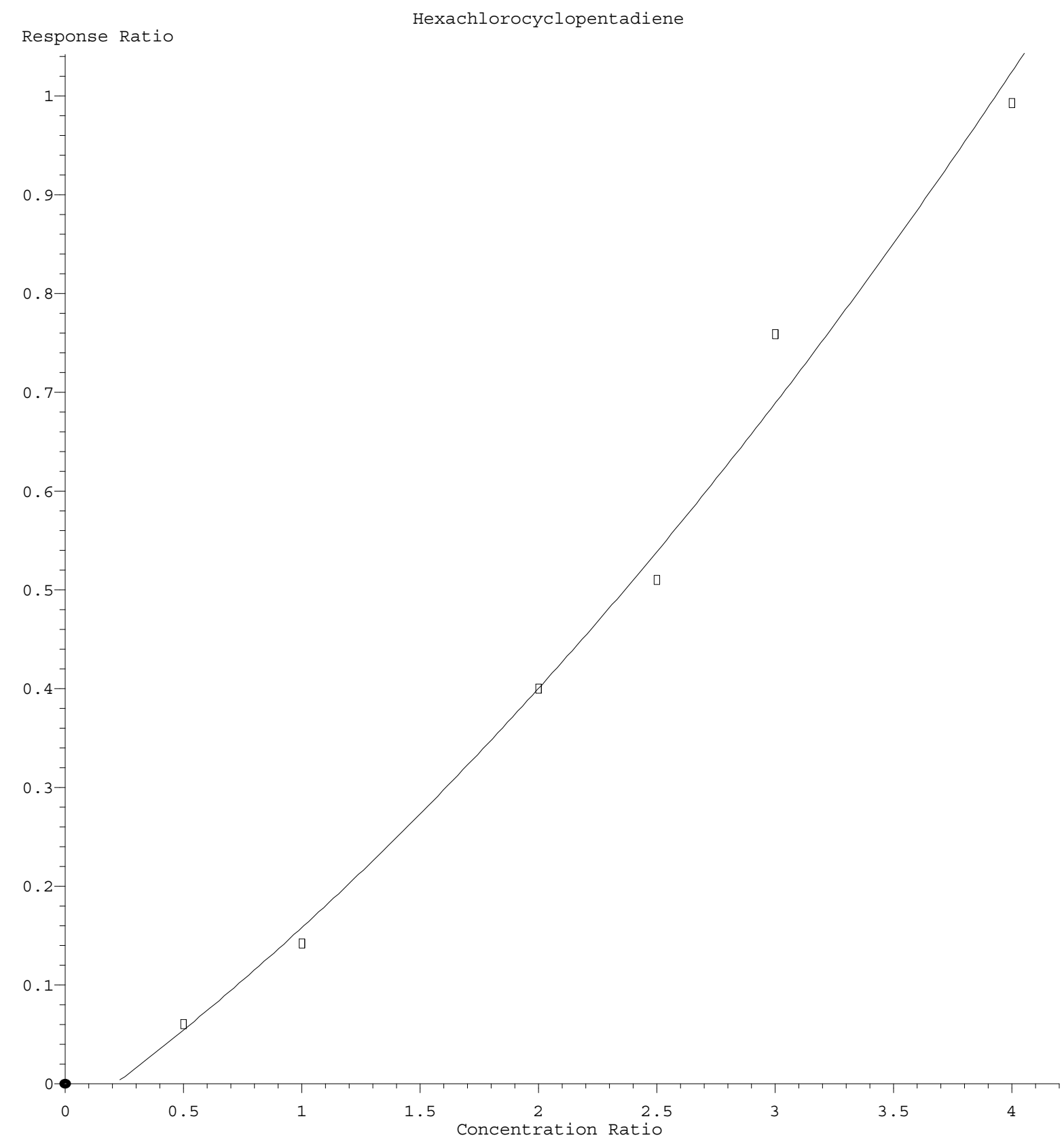
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110525.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.677	0.662	0.659	0.675	0.588	0.716	0.611	0.655	6.57
41)	P	Hexachlorocycl...		0.121	0.142	0.200	0.204	0.253	0.248	0.195	27.78
42)	S	2,4,6-Tribromo...	0.242	0.257	0.257	0.265	0.227	0.261	0.249	0.251	5.27
43)	C	2,4,6-Trichlor...	0.440	0.449	0.449	0.456	0.409	0.489	0.431	0.446	5.49
44)		2,4,5-Trichlor...	0.497	0.489	0.497	0.489	0.438	0.502	0.456	0.481	5.05
45)	S	2-Fluorobiphenyl	1.598	1.428	1.361	1.350	1.177	1.381	1.183	1.354	10.72
46)		1,1'-Biphenyl	1.535	1.446	1.425	1.408	1.239	1.450	1.270	1.396	7.52
47)		2-Chloronaphth...	1.303	1.216	1.206	1.204	1.068	1.252	1.087	1.191	7.12
48)		2-Nitroaniline	0.302	0.347	0.349	0.361	0.326	0.374	0.345	0.344	6.84
49)		Acenaphthylene	1.727	1.686	1.677	1.645	1.440	1.678	1.506	1.623	6.57
50)		Dimethylphthalate	1.437	1.343	1.359	1.345	1.168	1.375	1.247	1.325	6.71
51)		2,6-Dinitrotol...	0.251	0.271	0.271	0.276	0.252	0.290	0.266	0.268	5.16
52)	C	Acenaphthene	1.138	1.162	1.120	1.096	0.956	1.117	1.007	1.085	6.90
53)		3-Nitroaniline	0.271	0.301	0.302	0.315	0.264	0.316	0.283	0.293	7.07
54)	P	2,4-Dinitrophenol		0.202	0.166	0.140	0.133	0.168	0.164	0.162	14.99
55)		Dibenzofuran	1.644	1.600	1.586	1.551	1.337	1.562	1.359	1.520	7.99
56)	P	4-Nitrophenol		0.273	0.202	0.204	0.185	0.211	0.198	0.212	14.64
57)		2,4-Dinitrotol...	0.322	0.377	0.372	0.385	0.328	0.377	0.353	0.359	7.07
58)		Fluorene	1.295	1.223	1.197	1.180	0.997	1.149	1.048	1.156	8.88
59)		2,3,4,6-Tetrac...	0.308	0.347	0.336	0.358	0.316	0.372	0.345	0.340	6.58
60)		Diethylphthalate	1.294	1.273	1.254	1.254	1.075	1.237	1.163	1.221	6.27
61)		4-Chlorophenyl...	0.711	0.701	0.678	0.685	0.570	0.659	0.605	0.658	7.92
62)		4-Nitroaniline	0.273	0.290	0.293	0.288	0.254	0.288	0.268	0.279	5.10
63)		Azobenzene	1.157	1.203	1.145	1.164	0.995	1.197	1.096	1.137	6.33
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.147	0.138	0.130	0.120	0.142	0.138	0.136	6.99
66)	c	n-Nitrosodiphe...	0.695	0.676	0.635	0.646	0.577	0.660	0.614	0.643	6.12
67)		4-Bromophenyl-...	0.264	0.260	0.255	0.263	0.228	0.266	0.252	0.255	5.18
68)		Hexachlorobenzene	0.306	0.306	0.305	0.300	0.273	0.319	0.296	0.301	4.74
69)		Atrazine	0.215	0.211	0.215	0.206	0.180	0.210	0.196	0.205	6.26
70)	C	Pentachlorophenol		0.135	0.144	0.156	0.137	0.162	0.165	0.150	8.76
71)		Phenanthrene	1.103	1.042	0.986	1.009	0.892	1.003	0.937	0.996	6.87
72)		Anthracene	1.120	1.059	1.027	1.022	0.897	1.027	0.936	1.013	7.37
73)		Carbazole	0.938	0.917	0.882	0.878	0.762	0.854	0.794	0.861	7.36
74)		Di-n-butylphth...	1.075	1.101	1.077	1.070	0.917	1.059	0.986	1.041	6.27
75)	C	Fluoranthene	1.117	1.066	1.053	1.054	0.910	1.043	0.958	1.029	6.84
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.707	0.519	0.624	0.512	0.635	0.553	0.592	12.98
78)		Pyrene	1.763	1.745	1.631	1.704	1.372	1.569	1.504	1.613	8.79
79)	S	Terphenyl-d14	1.403	1.415	1.274	1.317	1.042	1.208	1.155	1.259	10.71
80)		Butylbenzylpht...	0.565	0.590	0.550	0.590	0.499	0.570	0.549	0.559	5.60
81)		Benzo(a)anthra...	1.455	1.340	1.330	1.430	1.290	1.493	1.366	1.386	5.37
82)		3,3'-Dichlorob...		0.453	0.461	0.482	0.441	0.532	0.481	0.475	6.77
83)		Chrysene	1.276	1.245	1.279	1.403	1.164	1.326	1.263	1.280	5.72
84)		Bis(2-ethylhex...	0.773	0.739	0.755	0.816	0.705	0.803	0.764	0.765	4.92
85)	c	Di-n-octyl pht...		1.163	1.272	1.410	1.269	1.442	1.364	1.320	7.91

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110525.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.450	1.411	1.447	1.485	1.311	1.521	1.425	1.436	4.62
88)		Benzo(b)fluora...	1.199	1.133	1.114	1.233	1.002	1.134	1.143	1.137	6.40
89)		Benzo(k)fluora...	1.077	1.094	1.083	1.041	0.999	1.134	1.021	1.064	4.36
90)	C	Benzo(a)pyrene	1.064	1.050	1.058	1.077	0.963	1.103	1.029	1.049	4.23
91)		Dibenzo(a,h)an...	1.155	1.155	1.175	1.198	1.040	1.209	1.138	1.153	4.85
92)		Benzo(g,h,i)pe...	1.095	1.125	1.153	1.191	1.028	1.228	1.150	1.139	5.70

(#) = Out of Range



R = 2.331e-002 A*A + 1.722e-001 A - 3.751e-002
Coef of Det (r^2) = 0.992660 Curve Fit: Quadratic w(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF110525.M
Calibration Table Last Updated: Wed Nov 05 18:37:33 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144169.D
Acq On : 05 Nov 2025 12:50
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 05 17:42:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	85230	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	335743	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	195513	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	365872	20.000	ng	0.00
76) Chrysene-d12	14.057	240	241412	20.000	ng	0.00
86) Perylene-d12	15.539	264	241479	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...	7.275	70	10629	2.616	ng	# 98

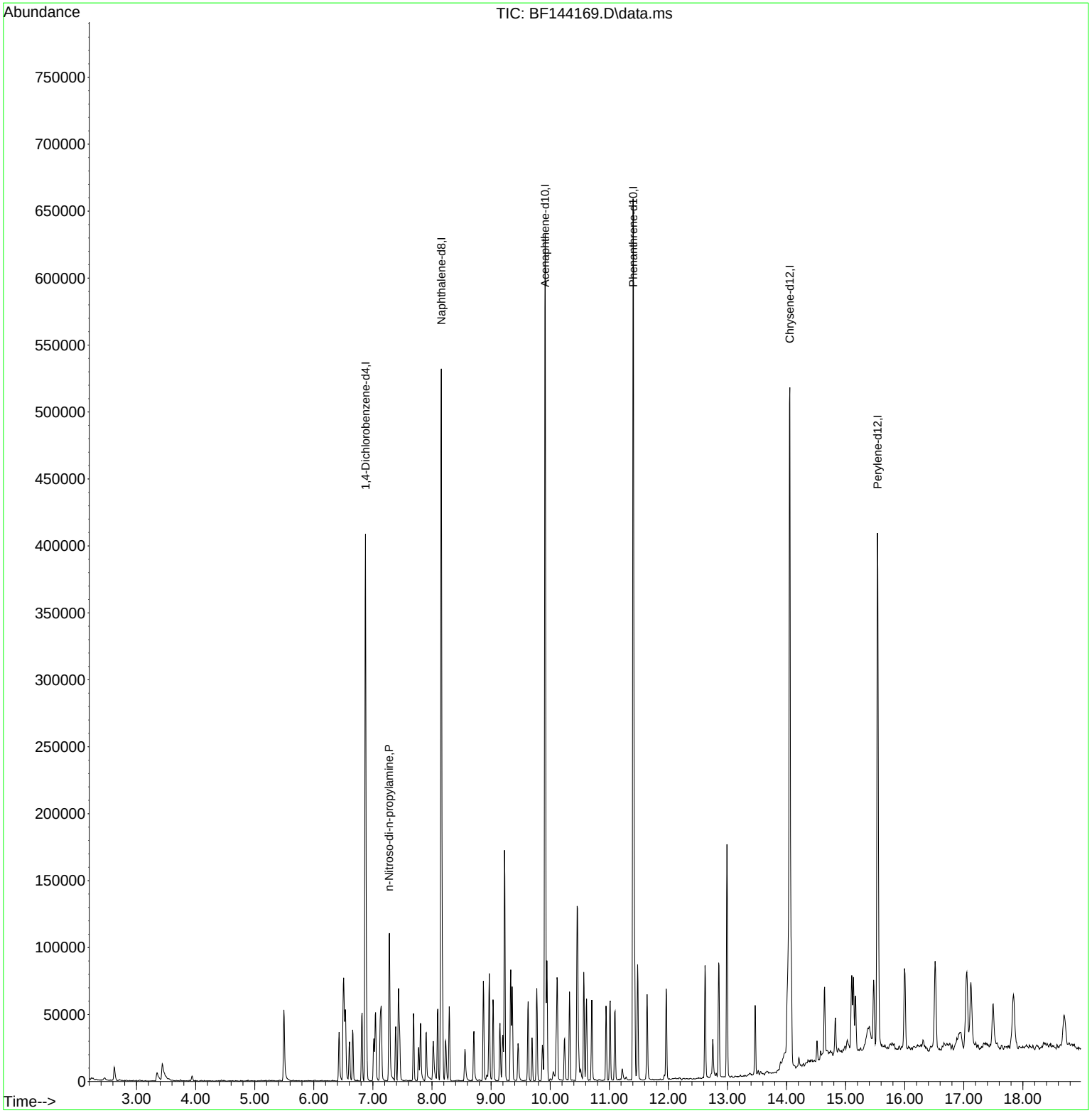
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144169.D
Acq On : 05 Nov 2025 12:50
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 05 17:42:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144170.D
Acq On : 05 Nov 2025 13:20
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

Quant Time: Nov 05 17:23:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	85379	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	330889	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	188001	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	326565	20.000	ng	0.00
76) Chrysene-d12	14.051	240	215706	20.000	ng	-0.01
86) Perylene-d12	15.539	264	241361	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	56869	10.423	ng	0.00
7) Phenol-d6	6.498	99	66870	10.817	ng	-0.01
23) Nitrobenzene-d5	7.434	82	56744	9.904	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	22758	9.647	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	150248	11.803	ng	-0.01
79) Terphenyl-d14	12.992	244	151347	11.145	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.616	88	11227	4.977	ng	98
3) Pyridine	3.410	79	29321	4.659	ng	98
6) Aniline	6.534	93	46833	5.317	ng	97
8) 2-Chlorophenol	6.657	128	26502	4.953	ng	98
10) Phenol	6.510	94	39383	5.214	ng	97
11) bis(2-Chloroethyl)ether	6.604	93	27288	4.958	ng	99
12) 1,3-Dichlorobenzene	6.816	146	35799	5.422	ng	97
13) 1,4-Dichlorobenzene	6.893	146	35623	5.385	ng	99
14) 1,2-Dichlorobenzene	7.046	146	35243	5.559	ng	92
16) 2,2'-oxybis(1-Chloropr...	7.140	45	51408	5.072	ng	92
17) 2-Methylphenol	7.122	107	21999	5.168	ng	94
18) Hexachloroethane	7.387	117	10929	4.973	ng	92
19) n-Nitroso-di-n-propyla...	7.275	70	21555	5.296	ng	99
22) Acetophenone	7.281	105	39609	5.580	ng	97
24) Nitrobenzene	7.451	77	30574	4.915	ng	98
25) Isophorone	7.687	82	54487	5.028	ng	97
26) 2-Nitrophenol	7.775	139	13789	4.478	ng	97
27) 2,4-Dimethylphenol	7.804	122	23283	5.045	ng	96
28) bis(2-Chloroethoxy)met...	7.898	93	35235	5.207	ng	97
29) 2,4-Dichlorophenol	8.016	162	27603	5.189	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	28937	5.298	ng	91
31) Naphthalene	8.175	128	84320	5.357	ng	100
33) 4-Chloroaniline	8.228	127	29602	5.157	ng	99
34) Hexachlorobutadiene	8.292	225	21207	5.152	ng	97
36) 4-Chloro-3-methylphenol	8.704	107	23428	4.914	ng	95
37) 2-Methylnaphthalene	8.869	142	58087	5.520	ng	99
38) 1-Methylnaphthalene	8.969	142	55152	5.431	ng	100
40) 1,2,4,5-Tetrachloroben...	9.034	216	31823	5.165	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	20685	4.933	ng	99
44) 2,4,5-Trichlorophenol	9.192	196	23346	5.165	ng	99
46) 1,1'-Biphenyl	9.334	154	72127	5.496	ng	98
47) 2-Chloronaphthalene	9.357	162	61232	5.470	ng	98
48) 2-Nitroaniline	9.457	65	14208	4.399	ng	90
49) Acenaphthylene	9.775	152	81168	5.321	ng	100
50) Dimethylphthalate	9.628	163	67538	5.423	ng	97
51) 2,6-Dinitrotoluene	9.692	165	11809	4.684	ng	94

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144170.D
Acq On : 05 Nov 2025 13:20
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Nov 05 17:23:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Acenaphthene	9.945	154	53468	5.241	ng		96
53) 3-Nitroaniline	9.869	138	12750	4.626	ng		88
55) Dibenzofuran	10.116	168	77278	5.409	ng		98
57) 2,4-Dinitrotoluene	10.098	165	15136	4.485	ng	#	93
58) Fluorene	10.463	166	60881	5.605	ng		94
59) 2,3,4,6-Tetrachlorophenol	10.239	232	14470	4.525	ng		96
60) Diethylphthalate	10.328	149	60815	5.297	ng		99
61) 4-Chlorophenyl-phenyle...	10.457	204	33416	5.401	ng		97
62) 4-Nitroaniline	10.475	138	12847	4.895	ng		91
63) Azobenzene	10.616	77	54383	5.089	ng		93
66) n-Nitrosodiphenylamine	10.569	169	56733	5.401	ng		97
67) 4-Bromophenyl-phenylether	10.945	248	21547	5.169	ng		96
68) Hexachlorobenzene	11.010	284	24951	5.082	ng		99
69) Atrazine	11.098	200	17546	5.253	ng		93
71) Phenanthrene	11.428	178	90035	5.537	ng		99
72) Anthracene	11.481	178	91416	5.529	ng		99
73) Carbazole	11.639	167	76605	5.449	ng		97
74) Di-n-butylphthalate	11.963	149	87751	5.163	ng		100
75) Fluoranthene	12.622	202	91198	5.430	ng		97
78) Pyrene	12.851	202	95053	5.465	ng		98
80) Butylbenzylphthalate	13.469	149	30478	5.056	ng		92
81) Benzo(a)anthracene	14.045	228	78472	5.249	ng		96
83) Chrysene	14.080	228	68808	4.986	ng		99
84) Bis(2-ethylhexyl)phtha...	14.027	149	41706	5.054	ng		99
87) Indeno(1,2,3-cd)pyrene	17.033	276	87482	5.049	ng		98
88) Benzo(b)fluoranthene	15.098	252	72360m	5.273	ng		
89) Benzo(k)fluoranthene	15.127	252	64984	5.060	ng		99
90) Benzo(a)pyrene	15.474	252	64190	5.071	ng	#	97
91) Dibenzo(a,h)anthracene	17.051	278	69714	5.010	ng		98
92) Benzo(g,h,i)perylene	17.492	276	66099	4.810	ng		97

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

ICAL Form

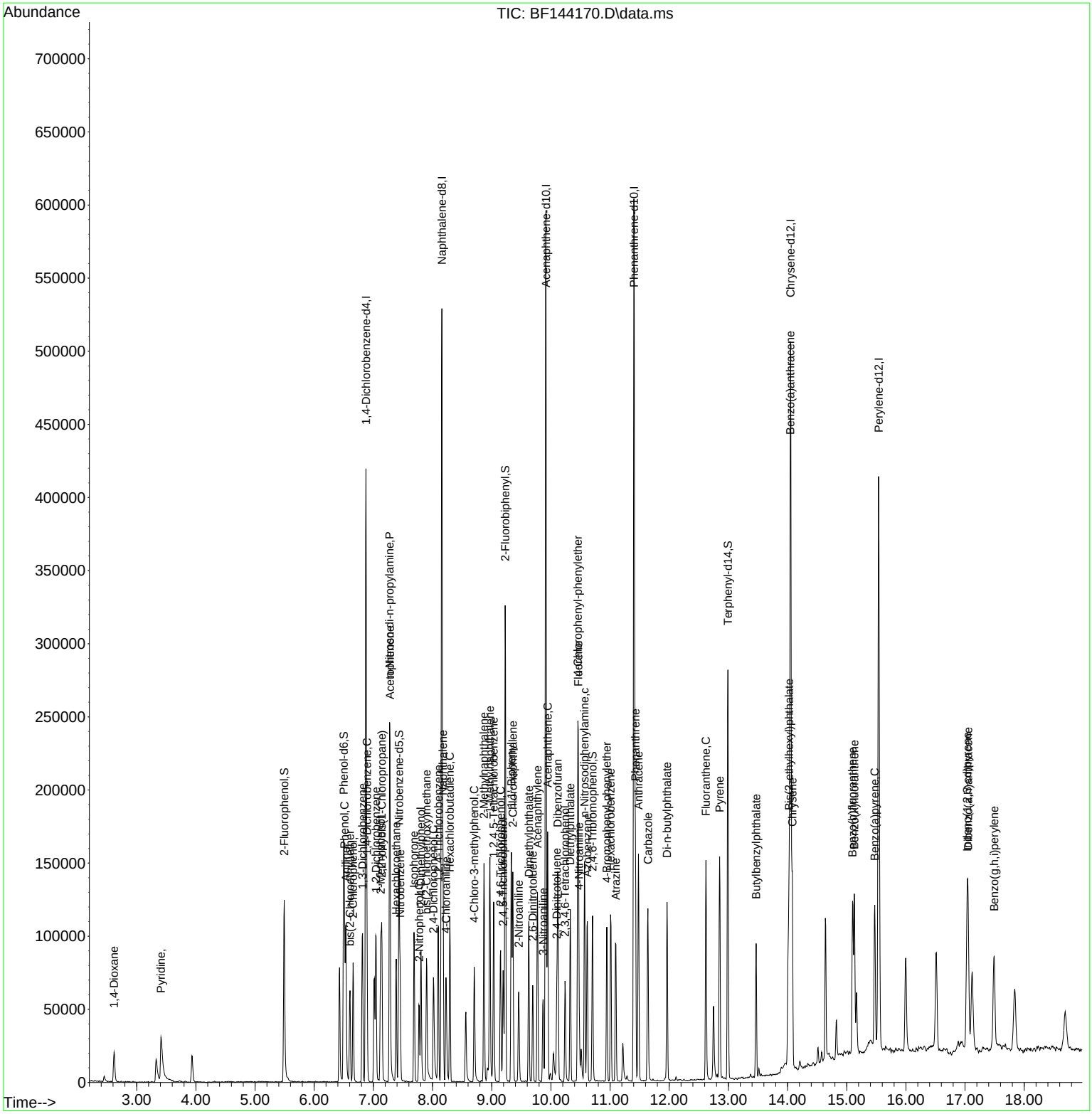
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144170.D
Acq On : 05 Nov 2025 13:20
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 05 17:23:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144171.D
Acq On : 05 Nov 2025 13:50
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Nov 05 17:23:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	112609	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	438512	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	261107	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	469428	20.000	ng	0.00
76) Chrysene-d12	14.057	240	296506	20.000	ng	0.00
86) Perylene-d12	15.539	264	311371	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	146731	20.391	ng	0.00
7) Phenol-d6	6.498	99	170929	20.963	ng	-0.01
23) Nitrobenzene-d5	7.434	82	154488	20.347	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	66981	20.442	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	372845	21.090	ng	-0.01
79) Terphenyl-d14	12.992	244	419548	22.476	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.616	88	27411	9.214	ng	97
3) Pyridine	3.393	79	79148	9.536	ng	99
4) n-Nitrosodimethylamine	3.322	42	40456	9.331	ng	95
6) Aniline	6.534	93	122118	10.512	ng	98
8) 2-Chlorophenol	6.657	128	73729	10.448	ng	99
9) Benzaldehyde	6.422	77	58146	12.629	ng	98
10) Phenol	6.510	94	106765	10.717	ng	96
11) bis(2-Chloroethyl)ether	6.604	93	75075	10.342	ng	98
12) 1,3-Dichlorobenzene	6.816	146	88594	10.174	ng	98
13) 1,4-Dichlorobenzene	6.893	146	87984	10.085	ng	96
14) 1,2-Dichlorobenzene	7.045	146	84997	10.165	ng	98
15) Benzyl Alcohol	7.010	79	64160	9.937	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.140	45	139062	10.403	ng	97
17) 2-Methylphenol	7.122	107	59368	10.575	ng	98
18) Hexachloroethane	7.387	117	28876	9.963	ng	97
19) n-Nitroso-di-n-propyla...	7.275	70	57621	10.735	ng	98
20) 3+4-Methylphenols	7.275	107	74874	11.314	ng	96
22) Acetophenone	7.281	105	101777	10.819	ng	97
24) Nitrobenzene	7.451	77	85567	10.380	ng	98
25) Isophorone	7.692	82	146541	10.204	ng	98
26) 2-Nitrophenol	7.769	139	41083	10.067	ng	97
27) 2,4-Dimethylphenol	7.804	122	60896	9.956	ng	99
28) bis(2-Chloroethoxy)met...	7.898	93	91497	10.202	ng	95
29) 2,4-Dichlorophenol	8.016	162	75032	10.643	ng	97
30) 1,2,4-Trichlorobenzene	8.098	180	76623	10.585	ng	94
31) Naphthalene	8.181	128	220903	10.590	ng	99
32) Benzoic acid	7.910	122	58822	13.120	ng	92
33) 4-Chloroaniline	8.228	127	79703	10.476	ng	97
34) Hexachlorobutadiene	8.292	225	54849	10.054	ng	96
35) Caprolactam	8.575	113	20560	10.645	ng	99
36) 4-Chloro-3-methylphenol	8.704	107	67228	10.641	ng	96
37) 2-Methylnaphthalene	8.869	142	147427	10.571	ng	99
38) 1-Methylnaphthalene	8.969	142	149280	11.093	ng	97
40) 1,2,4,5-Tetrachloroben...	9.034	216	86408	10.098	ng	99
41) Hexachlorocyclopentadiene	9.022	237	15765	10.609	ng	93
43) 2,4,6-Trichlorophenol	9.145	196	58560	10.054	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144171.D
Acq On : 05 Nov 2025 13:50
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Nov 05 17:23:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

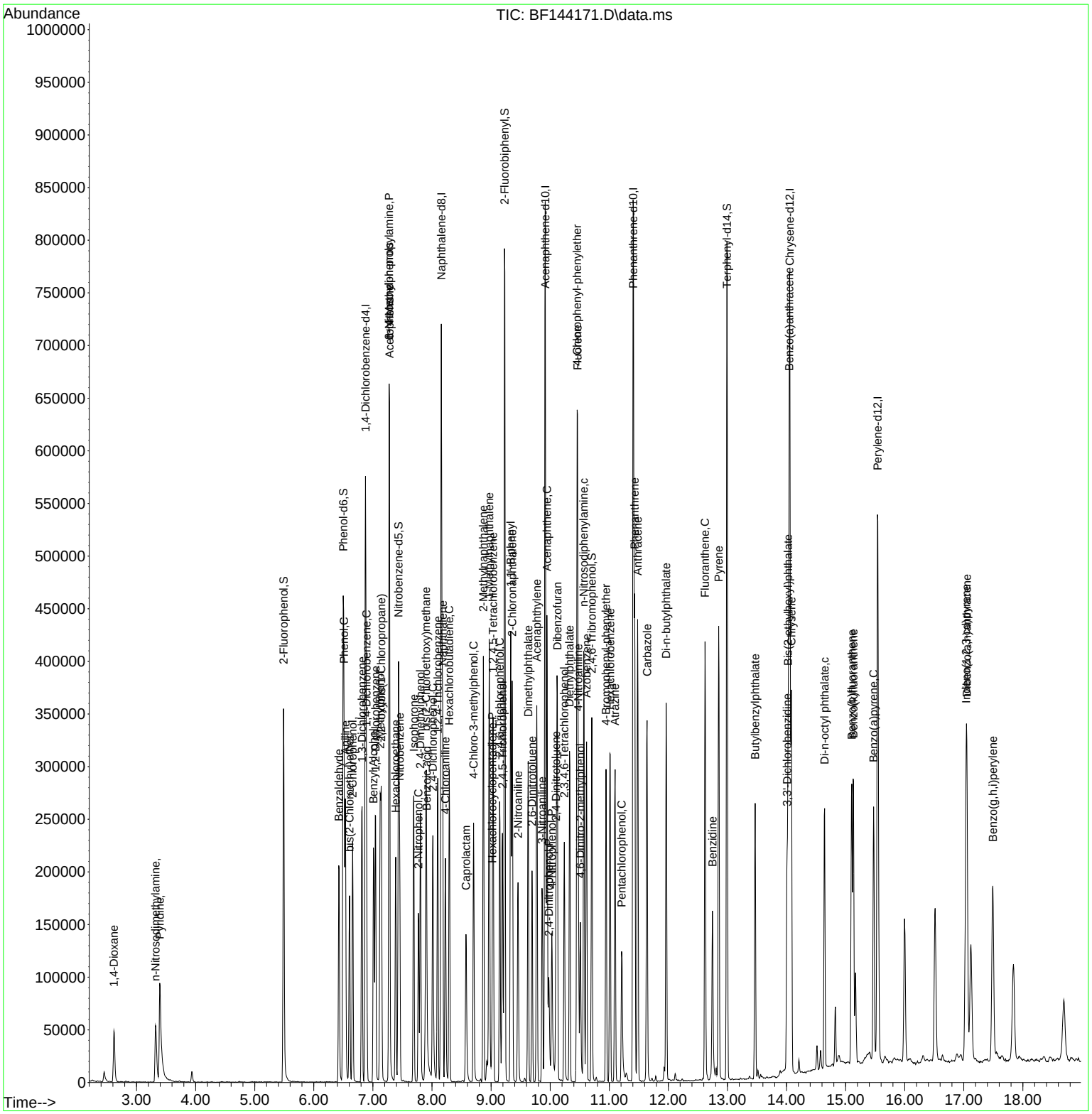
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	63779	10.160	ng		98
46) 1,1'-Biphenyl	9.334	154	188739	10.355	ng		99
47) 2-Chloronaphthalene	9.357	162	158745	10.211	ng		100
48) 2-Nitroaniline	9.457	65	45323	10.104	ng		97
49) Acenaphthylene	9.775	152	220118	10.390	ng		99
50) Dimethylphthalate	9.628	163	175284	10.133	ng		99
51) 2,6-Dinitrotoluene	9.692	165	35433	10.119	ng		98
52) Acenaphthene	9.945	154	151661	10.705	ng		99
53) 3-Nitroaniline	9.863	138	39270	10.259	ng		99
54) 2,4-Dinitrophenol	9.981	184	26319	12.447	ng		97
55) Dibenzofuran	10.122	168	208943	10.530	ng		99
56) 4-Nitrophenol	10.028	139	35627	12.867	ng		98
57) 2,4-Dinitrotoluene	10.098	165	49257	10.508	ng	#	98
58) Fluorene	10.463	166	159623	10.581	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.239	232	45333	10.207	ng		97
60) Diethylphthalate	10.328	149	166246	10.426	ng		98
61) 4-Chlorophenyl-phenyle...	10.457	204	91478	10.645	ng		99
62) 4-Nitroaniline	10.475	138	37821	10.375	ng		98
63) Azobenzene	10.616	77	157098	10.586	ng		96
65) 4,6-Dinitro-2-methylph...	10.510	198	34516	10.823	ng		99
66) n-Nitrosodiphenylamine	10.569	169	158661	10.509	ng		98
67) 4-Bromophenyl-phenylether	10.945	248	60929	10.169	ng		96
68) Hexachlorobenzene	11.016	284	71759	10.168	ng		94
69) Atrazine	11.098	200	49466	10.302	ng		97
70) Pentachlorophenol	11.210	266	31673	9.012	ng		97
71) Phenanthrene	11.428	178	244478	10.460	ng		99
72) Anthracene	11.480	178	248511	10.457	ng		99
73) Carbazole	11.639	167	215269	10.652	ng		98
74) Di-n-butylphthalate	11.963	149	258464	10.580	ng		99
75) Fluoranthene	12.622	202	250112	10.359	ng		99
77) Benzidine	12.745	184	104876	11.958	ng		99
78) Pyrene	12.851	202	258743	10.823	ng		99
80) Butylbenzylphthalate	13.469	149	87462	10.556	ng		96
81) Benzo(a)anthracene	14.045	228	198590	9.664	ng		100
82) 3,3'-Dichlorobenzidine	14.010	252	67166	9.535	ng		97
83) Chrysene	14.080	228	184604	9.731	ng		98
84) Bis(2-ethylhexyl)phtha...	14.027	149	109593	9.662	ng		98
85) Di-n-octyl phthalate	14.645	149	172428	8.811	ng		99
87) Indeno(1,2,3-cd)pyrene	17.039	276	219736	9.831	ng		99
88) Benzo(b)fluoranthene	15.104	252	176369	9.963	ng		99
89) Benzo(k)fluoranthene	15.133	252	170386	10.283	ng		98
90) Benzo(a)pyrene	15.474	252	163529	10.013	ng		97
91) Dibenzo(a,h)anthracene	17.051	278	179793	10.016	ng		98
92) Benzo(g,h,i)perylene	17.492	276	175090	9.877	ng		100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144171.D
Acq On : 05 Nov 2025 13:50
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Nov 05 17:23:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144172.D
Acq On : 05 Nov 2025 14:20
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Nov 05 17:23:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	97055	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	380834	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	220087	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	388430	20.000	ng	0.00
76) Chrysene-d12	14.057	240	250706	20.000	ng	0.00
86) Perylene-d12	15.539	264	297677	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	255468	41.191	ng	0.00
7) Phenol-d6	6.498	99	293338	41.742	ng	-0.01
23) Nitrobenzene-d5	7.434	82	265652	40.287	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	112928	40.889	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	599169	40.208	ng	0.00
79) Terphenyl-d14	12.992	244	638611	40.461	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.611	88	50319	19.624	ng	99
3) Pyridine	3.387	79	144716	20.230	ng	97
4) n-Nitrosodimethylamine	3.322	42	70474	18.860	ng	99
6) Aniline	6.534	93	205178	20.492	ng	100
8) 2-Chlorophenol	6.657	128	125443	20.624	ng	99
9) Benzaldehyde	6.428	77	88978	22.422	ng	99
10) Phenol	6.516	94	178562	20.797	ng	99
11) bis(2-Chloroethyl)ether	6.604	93	130219	20.814	ng	98
12) 1,3-Dichlorobenzene	6.816	146	153679	20.476	ng	97
13) 1,4-Dichlorobenzene	6.893	146	153656	20.435	ng	99
14) 1,2-Dichlorobenzene	7.046	146	144447	20.042	ng	99
15) Benzyl Alcohol	7.016	79	115331	20.726	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.140	45	242281	21.029	ng	95
17) 2-Methylphenol	7.122	107	97725	20.196	ng	96
18) Hexachloroethane	7.387	117	51648	20.675	ng	100
19) n-Nitroso-di-n-propyla...	7.281	70	96676	20.897	ng	99
20) 3+4-Methylphenols	7.275	107	118666	20.804	ng	94
22) Acetophenone	7.281	105	165374	20.242	ng	97
24) Nitrobenzene	7.457	77	143192	20.000	ng	97
25) Isophorone	7.693	82	254863	20.434	ng	97
26) 2-Nitrophenol	7.775	139	72909	20.572	ng	97
27) 2,4-Dimethylphenol	7.804	122	100827	18.981	ng	98
28) bis(2-Chloroethoxy)met...	7.904	93	157029	20.161	ng	96
29) 2,4-Dichlorophenol	8.016	162	125803	20.548	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	126402	20.106	ng	96
31) Naphthalene	8.181	128	373973	20.643	ng	99
32) Benzoic acid	7.916	122	83801	21.522	ng	97
33) 4-Chloroaniline	8.228	127	135273	20.474	ng	99
34) Hexachlorobutadiene	8.292	225	95971	20.255	ng	99
35) Caprolactam	8.587	113	35272	21.028	ng	98
36) 4-Chloro-3-methylphenol	8.704	107	115603	21.069	ng	99
37) 2-Methylnaphthalene	8.869	142	253201	20.905	ng	99
38) 1-Methylnaphthalene	8.969	142	240612	20.588	ng	99
40) 1,2,4,5-Tetrachloroben...	9.034	216	144980	20.100	ng	99
41) Hexachlorocyclopentadiene	9.022	237	31247	18.527	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	98855	20.136	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144172.D
Acq On : 05 Nov 2025 14:20
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Nov 05 17:23:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	109277	20.653	ng	98
46) 1,1'-Biphenyl	9.334	154	313667	20.417	ng	99
47) 2-Chloronaphthalene	9.357	162	265522	20.262	ng	99
48) 2-Nitroaniline	9.457	65	76785	20.308	ng	97
49) Acenaphthylene	9.775	152	369018	20.664	ng	98
50) Dimethylphthalate	9.628	163	299125	20.516	ng	99
51) 2,6-Dinitrotoluene	9.698	165	59656	20.212	ng	96
52) Acenaphthene	9.945	154	246497	20.641	ng	99
53) 3-Nitroaniline	9.869	138	66539	20.623	ng	98
54) 2,4-Dinitrophenol	9.981	184	36453	20.453	ng	96
55) Dibenzofuran	10.122	168	348955	20.864	ng	98
56) 4-Nitrophenol	10.028	139	44352	19.003	ng	99
57) 2,4-Dinitrotoluene	10.104	165	81812	20.706	ng	98
58) Fluorene	10.463	166	263546	20.725	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	73978	19.762	ng	97
60) Diethylphthalate	10.334	149	276008	20.535	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	149181	20.595	ng	99
62) 4-Nitroaniline	10.481	138	64484	20.987	ng	97
63) Azobenzene	10.616	77	252025	20.147	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	53585	20.307	ng	99
66) n-Nitrosodiphenylamine	10.575	169	246642	19.743	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	98958	19.959	ng	98
68) Hexachlorobenzene	11.016	284	118426	20.279	ng	94
69) Atrazine	11.098	200	83639	21.052	ng	98
70) Pentachlorophenol	11.210	266	55766	19.177	ng	99
71) Phenanthrene	11.433	178	382805	19.794	ng	99
72) Anthracene	11.481	178	399043	20.292	ng	98
73) Carbazole	11.639	167	342636	20.490	ng	99
74) Di-n-butylphthalate	11.963	149	418262	20.691	ng	100
75) Fluoranthene	12.622	202	408870	20.466	ng	99
77) Benzidine	12.745	184	130033	17.535	ng	100
78) Pyrene	12.851	202	408920	20.229	ng	99
80) Butylbenzylphthalate	13.469	149	137856	19.677	ng	99
81) Benzo(a)anthracene	14.045	228	333458	19.191	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	115478	19.389	ng	96
83) Chrysene	14.080	228	320726	19.995	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	189305	19.738	ng	100
85) Di-n-octyl phthalate	14.645	149	318841	19.268	ng	99
87) Indeno(1,2,3-cd)pyrene	17.045	276	430691	20.155	ng	99
88) Benzo(b)fluoranthene	15.104	252	331673	19.598	ng	100
89) Benzo(k)fluoranthene	15.133	252	322479	20.358	ng	98
90) Benzo(a)pyrene	15.474	252	314894	20.169	ng	97
91) Dibenzo(a,h)anthracene	17.057	278	349788	20.383	ng	99
92) Benzo(g,h,i)perylene	17.498	276	343144	20.248	ng	99

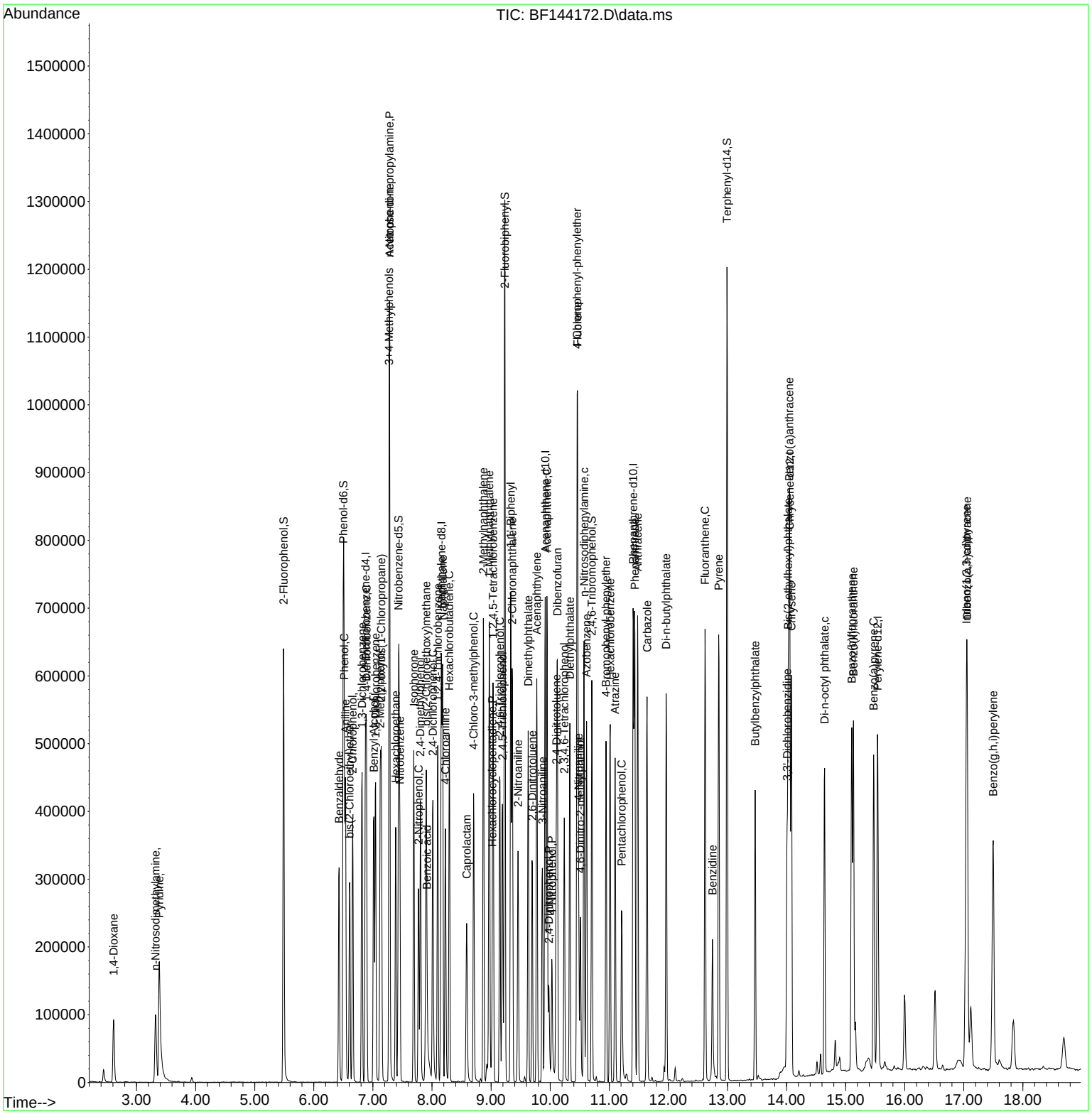
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144172.D
Acq On : 05 Nov 2025 14:20
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Nov 05 17:23:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144173.D
Acq On : 05 Nov 2025 14:50
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Nov 05 17:24:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	69901	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	262306	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	148823	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	257329	20.000	ng	0.00
76) Chrysene-d12	14.057	240	162650	20.000	ng	0.00
86) Perylene-d12	15.539	264	208923	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	367722	82.322	ng	0.00
7) Phenol-d6	6.504	99	408339	80.678	ng	0.00
23) Nitrobenzene-d5	7.440	82	377687	83.160	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	157795	84.493	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	803464	79.737	ng	0.00
79) Terphenyl-d14	12.992	244	856515	83.645	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.605	88	77384	41.903	ng	100
3) Pyridine	3.375	79	212533	41.251	ng	100
4) n-Nitrosodimethylamine	3.322	42	108374	40.269	ng	100
6) Aniline	6.540	93	288906	40.064	ng	100
8) 2-Chlorophenol	6.657	128	179075	40.879	ng	100
9) Benzaldehyde	6.428	77	114062	39.909	ng	100
10) Phenol	6.516	94	259703	41.997	ng	100
11) bis(2-Chloroethyl)ether	6.610	93	184041	40.844	ng	100
12) 1,3-Dichlorobenzene	6.816	146	215469	39.861	ng	100
13) 1,4-Dichlorobenzene	6.893	146	222488	41.084	ng	100
14) 1,2-Dichlorobenzene	7.045	146	207631	40.001	ng	100
15) Benzyl Alcohol	7.016	79	162316	40.501	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.145	45	338078	40.743	ng	100
17) 2-Methylphenol	7.128	107	144386	41.431	ng	100
18) Hexachloroethane	7.387	117	74377	41.339	ng	100
19) n-Nitroso-di-n-propyla...	7.287	70	132769	39.848	ng	100
20) 3+4-Methylphenols	7.281	107	169917	41.361	ng	100
22) Acetophenone	7.287	105	227627	40.452	ng	100
24) Nitrobenzene	7.457	77	203520	41.272	ng	100
25) Isophorone	7.692	82	352919	41.082	ng	100
26) 2-Nitrophenol	7.775	139	103181	42.269	ng	100
27) 2,4-Dimethylphenol	7.810	122	156535	42.784	ng	100
28) bis(2-Chloroethoxy)met...	7.904	93	221900	41.364	ng	100
29) 2,4-Dichlorophenol	8.016	162	173779	41.210	ng	100
30) 1,2,4-Trichlorobenzene	8.098	180	176777	40.825	ng	100
31) Naphthalene	8.181	128	508521	40.755	ng	100
32) Benzoic acid	7.916	122	94209	35.128	ng	100
33) 4-Chloroaniline	8.228	127	190054	41.763	ng	100
34) Hexachlorobutadiene	8.292	225	135990	41.671	ng	100
35) Caprolactam	8.598	113	48459	41.945	ng	100
36) 4-Chloro-3-methylphenol	8.710	107	155844	41.237	ng	100
37) 2-Methylnaphthalene	8.869	142	339639	40.712	ng	100
38) 1-Methylnaphthalene	8.969	142	325483	40.435	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	200998	41.210	ng	100
41) Hexachlorocyclopentadiene	9.022	237	59520	39.991	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	135691	40.875	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144173.D
Acq On : 05 Nov 2025 14:50
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Nov 05 17:24:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

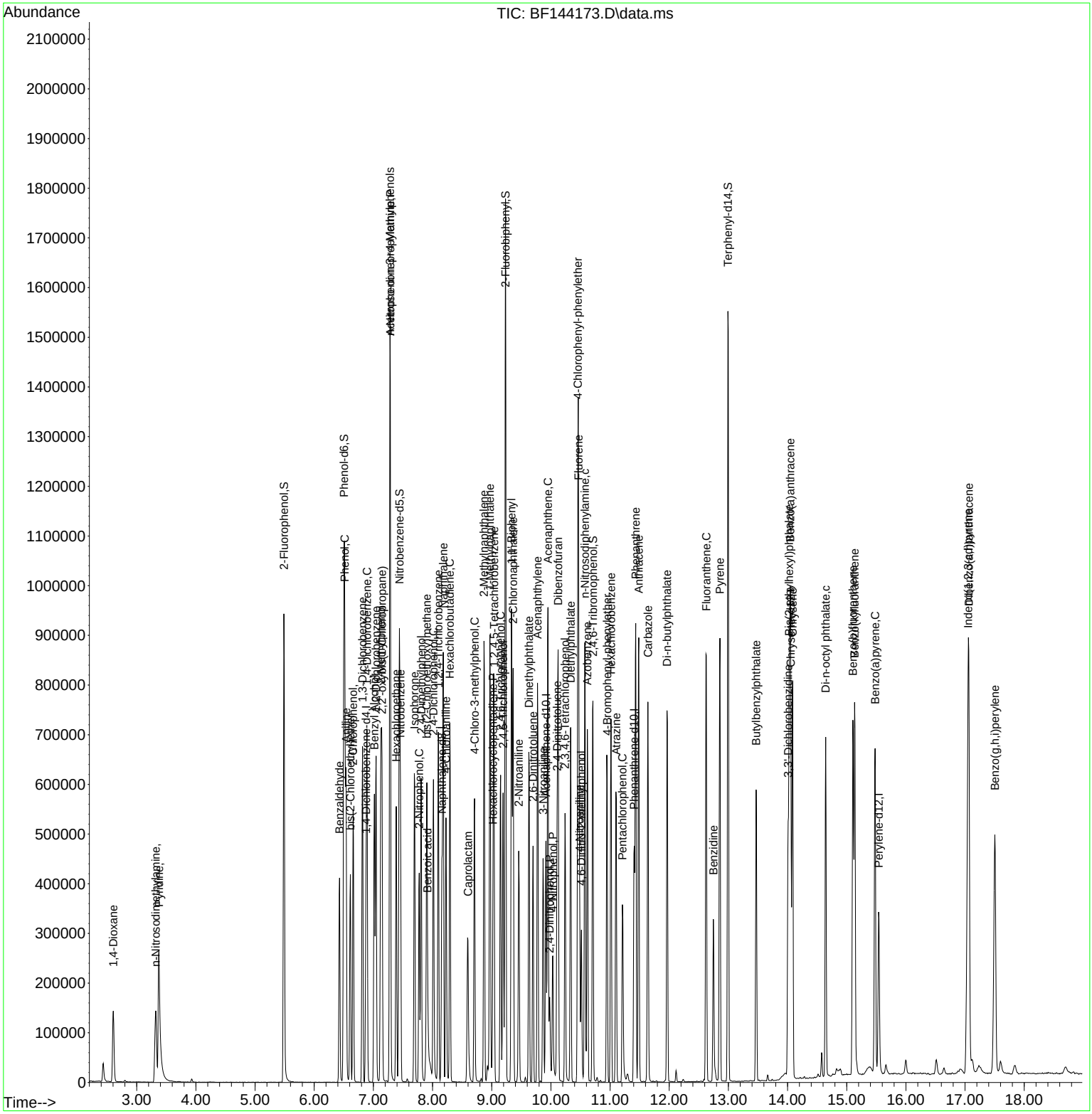
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	145405	40.641	ng	100
46) 1,1'-Biphenyl	9.334	154	419119	40.345	ng	100
47) 2-Chloronaphthalene	9.363	162	358514	40.458	ng	100
48) 2-Nitroaniline	9.457	65	107536	42.059	ng	100
49) Acenaphthylene	9.775	152	489708	40.553	ng	100
50) Dimethylphthalate	9.628	163	400479	40.620	ng	100
51) 2,6-Dinitrotoluene	9.698	165	82166	41.169	ng	100
52) Acenaphthene	9.951	154	326285	40.406	ng	100
53) 3-Nitroaniline	9.869	138	93636	42.918	ng	100
54) 2,4-Dinitrophenol	9.981	184	41716	34.614	ng	100
55) Dibenzofuran	10.122	168	461538	40.810	ng	100
56) 4-Nitrophenol	10.034	139	60643	38.426	ng	100
57) 2,4-Dinitrotoluene	10.104	165	114508	42.858	ng	100
58) Fluorene	10.469	166	351182	40.841	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	106411	42.037	ng	100
60) Diethylphthalate	10.334	149	373187	41.061	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	203750	41.598	ng	100
62) 4-Nitroaniline	10.486	138	85679	41.237	ng	100
63) Azobenzene	10.616	77	346367	40.948	ng	100
65) 4,6-Dinitro-2-methylph...	10.516	198	67029	38.343	ng	100
66) n-Nitrosodiphenylamine	10.575	169	332623	40.189	ng	100
67) 4-Bromophenyl-phenylether	10.951	248	135319	41.198	ng	100
68) Hexachlorobenzene	11.016	284	154532	39.943	ng	100
69) Atrazine	11.104	200	105912	40.239	ng	100
70) Pentachlorophenol	11.210	266	80306	41.685	ng	100
71) Phenanthrene	11.433	178	519052	40.513	ng	100
72) Anthracene	11.486	178	525954	40.372	ng	100
73) Carbazole	11.639	167	451935	40.796	ng	100
74) Di-n-butylphthalate	11.963	149	550628	41.117	ng	100
75) Fluoranthene	12.627	202	542525	40.992	ng	100
77) Benzidine	12.745	184	202921	42.178	ng	100
78) Pyrene	12.857	202	554374	42.272	ng	100
80) Butylbenzylphthalate	13.469	149	191850	42.209	ng	100
81) Benzo(a)anthracene	14.045	228	465201	41.267	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	156957	40.620	ng	100
83) Chrysene	14.086	228	456347	43.853	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	265384	42.651	ng	100
85) Di-n-octyl phthalate	14.645	149	458823	42.739	ng	100
87) Indeno(1,2,3-cd)pyrene	17.051	276	620668	41.385	ng	100
88) Benzo(b)fluoranthene	15.104	252	515192	43.375	ng	100
89) Benzo(k)fluoranthene	15.133	252	435087	39.135	ng	100
90) Benzo(a)pyrene	15.480	252	449869	41.055	ng	100
91) Dibenzo(a,h)anthracene	17.062	278	500778	41.578	ng	100
92) Benzo(g,h,i)perylene	17.504	276	497680	41.843	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144173.D
Acq On : 05 Nov 2025 14:50
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Nov 05 17:24:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144174.D
Acq On : 05 Nov 2025 15:49
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Nov 05 17:24:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	84549	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	313425	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	170294	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	283828	20.000	ng		0.00
76) Chrysene-d12	14.063	240	194366	20.000	ng		0.00
86) Perylene-d12	15.545	264	264861	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	489170	90.538	ng		0.00
7) Phenol-d6	6.504	99	541465	88.447	ng		0.00
23) Nitrobenzene-d5	7.439	82	502493	92.595	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	192917	90.275	ng		0.00
45) 2-Fluorobiphenyl	9.233	172	1002454	86.941	ng		0.00
79) Terphenyl-d14	12.998	244	1012618	82.754	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.605	88	105785	47.358	ng		97
3) Pyridine	3.375	79	291313	46.746	ng		98
4) n-Nitrosodimethylamine	3.334	42	152767	46.930	ng		98
6) Aniline	6.540	93	389058	44.605	ng		99
8) 2-Chlorophenol	6.663	128	243472	45.950	ng		99
9) Benzaldehyde	6.428	77	141949	41.062	ng		97
10) Phenol	6.522	94	330203	44.146	ng		92
11) bis(2-Chloroethyl)ether	6.610	93	244159	44.798	ng		97
12) 1,3-Dichlorobenzene	6.816	146	295294	45.164	ng		98
13) 1,4-Dichlorobenzene	6.892	146	290027	44.277	ng		100
14) 1,2-Dichlorobenzene	7.045	146	280070	44.609	ng		99
15) Benzyl Alcohol	7.016	79	221836	45.762	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	453774	45.212	ng		98
17) 2-Methylphenol	7.128	107	189260	44.899	ng		100
18) Hexachloroethane	7.387	117	98682	45.346	ng		100
19) n-Nitroso-di-n-propyla...	7.287	70	171911	42.657	ng		95
20) 3+4-Methylphenols	7.281	107	217734	43.819	ng		92
22) Acetophenone	7.287	105	297391	44.230	ng		96
24) Nitrobenzene	7.463	77	268336	45.541	ng		98
25) Isophorone	7.698	82	455511	44.376	ng		98
26) 2-Nitrophenol	7.775	139	136351	46.747	ng		97
27) 2,4-Dimethylphenol	7.810	122	204079	46.681	ng		97
28) bis(2-Chloroethoxy)met...	7.904	93	291202	45.429	ng		98
29) 2,4-Dichlorophenol	8.016	162	226748	45.001	ng		99
30) 1,2,4-Trichlorobenzene	8.098	180	231992	44.838	ng		99
31) Naphthalene	8.181	128	665821	44.658	ng		99
32) Benzoic acid	7.928	122	129332	40.359	ng		98
33) 4-Chloroaniline	8.228	127	241956	44.496	ng		99
34) Hexachlorobutadiene	8.292	225	181564	46.562	ng		98
35) Caprolactam	8.604	113	58430	42.327	ng	#	88
36) 4-Chloro-3-methylphenol	8.710	107	202891	44.930	ng		96
37) 2-Methylnaphthalene	8.875	142	438395	43.979	ng		99
38) 1-Methylnaphthalene	8.969	142	419784	43.644	ng		99
40) 1,2,4,5-Tetrachloroben...	9.039	216	250210	44.832	ng		98
41) Hexachlorocyclopentadiene	9.022	237	86860	48.007	ng		97
43) 2,4,6-Trichlorophenol	9.151	196	174024	45.813	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144174.D
Acq On : 05 Nov 2025 15:49
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Nov 05 17:24:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

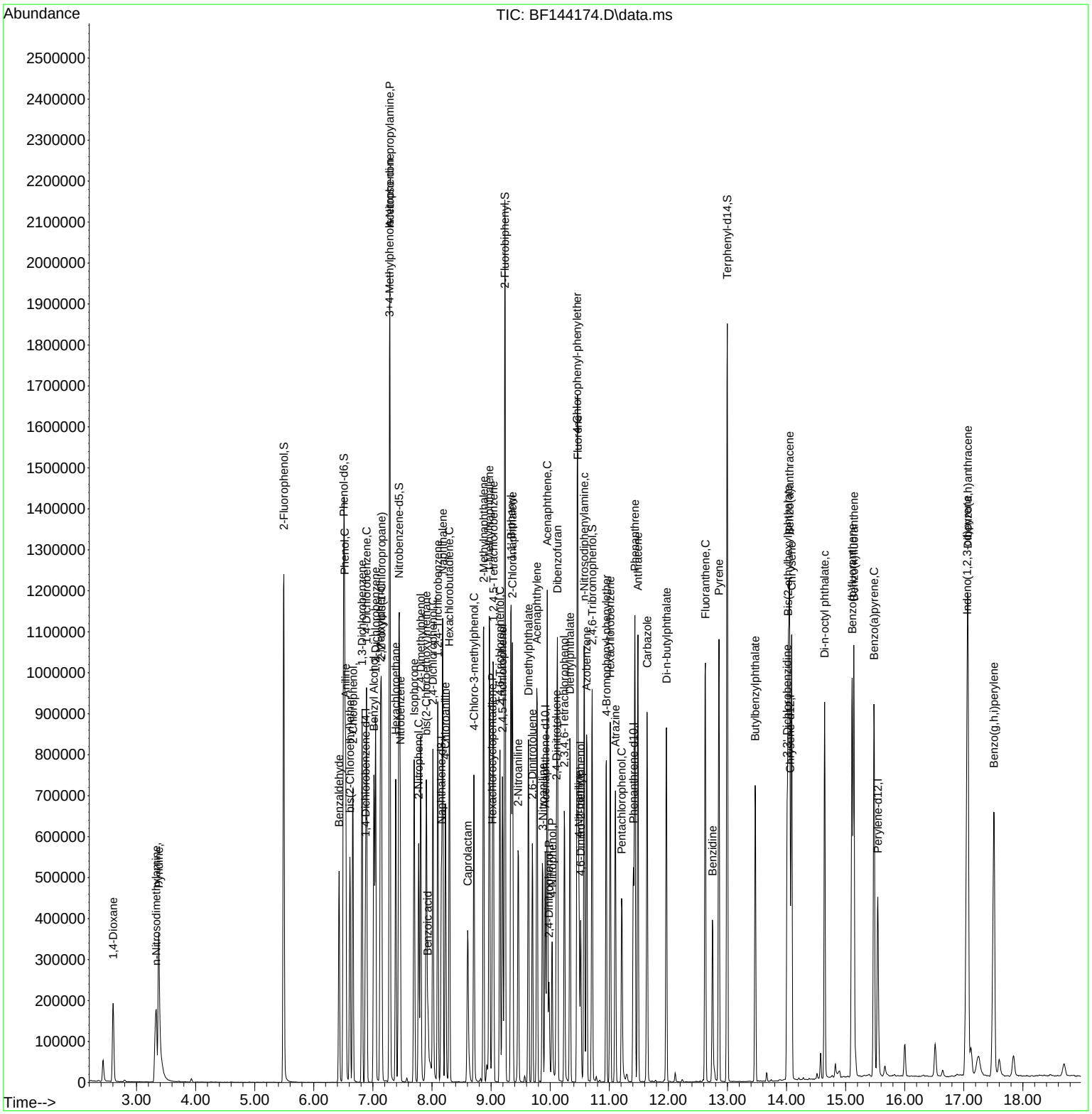
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	186449	45.542	ng	100
46) 1,1'-Biphenyl	9.339	154	527437	44.371	ng	99
47) 2-Chloronaphthalene	9.363	162	454778	44.851	ng	99
48) 2-Nitroaniline	9.457	65	138845	47.458	ng	97
49) Acenaphthylene	9.775	152	613066	44.368	ng	99
50) Dimethylphthalate	9.633	163	497451	44.094	ng	100
51) 2,6-Dinitrotoluene	9.698	165	107091	46.892	ng	99
52) Acenaphthene	9.951	154	407187	44.067	ng	99
53) 3-Nitroaniline	9.875	138	112371	45.012	ng	99
54) 2,4-Dinitrophenol	9.981	184	56551	41.007	ng	97
55) Dibenzofuran	10.122	168	569268	43.989	ng	99
56) 4-Nitrophenol	10.033	139	78636	43.544	ng	98
57) 2,4-Dinitrotoluene	10.104	165	139501	45.629	ng	98
58) Fluorene	10.469	166	424429	43.136	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	134554	46.453	ng	98
60) Diethylphthalate	10.333	149	457569	43.997	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	242650	43.294	ng	96
62) 4-Nitroaniline	10.486	138	108312	45.557	ng	97
63) Azobenzene	10.616	77	423631	43.768	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	85232	44.204	ng	98
66) n-Nitrosodiphenylamine	10.575	169	409670	44.877	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	161600	44.606	ng	99
68) Hexachlorobenzene	11.016	284	193574	45.364	ng	97
69) Atrazine	11.104	200	127465	43.906	ng	99
70) Pentachlorophenol	11.210	266	96941	45.622	ng	97
71) Phenanthrene	11.433	178	633088	44.800	ng	100
72) Anthracene	11.486	178	636448	44.292	ng	99
73) Carbazole	11.639	167	540957	44.273	ng	100
74) Di-n-butylphthalate	11.969	149	650810	44.060	ng	100
75) Fluoranthene	12.627	202	645856	44.244	ng	99
77) Benzidine	12.745	184	248615	43.243	ng	99
78) Pyrene	12.857	202	666673	42.540	ng	100
80) Butylbenzylphthalate	13.469	149	242259	44.602	ng	99
81) Benzo(a)anthracene	14.051	228	626599	46.515	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	214437	46.440	ng	97
83) Chrysene	14.086	228	565678	45.489	ng	98
84) Bis(2-ethylhexyl)phtha...	14.027	149	342489	46.061	ng	99
85) Di-n-octyl phthalate	14.645	149	616644	48.068	ng	100
87) Indeno(1,2,3-cd)pyrene	17.057	276	867786	45.642	ng	99
88) Benzo(b)fluoranthene	15.110	252	663728	44.079	ng	99
89) Benzo(k)fluoranthene	15.139	252	661746	46.952	ng	98
90) Benzo(a)pyrene	15.480	252	637370	45.882	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	688620	45.098	ng	98
92) Benzo(g,h,i)perylene	17.509	276	680830	45.152	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144174.D
Acq On : 05 Nov 2025 15:49
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Nov 05 17:24:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144175.D
Acq On : 05 Nov 2025 16:19
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Nov 05 17:24:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	63801	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	239743	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	126385	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	213136	20.000	ng	0.00
76) Chrysene-d12	14.057	240	145867	20.000	ng	0.00
86) Perylene-d12	15.539	264	205758	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	509184	124.890	ng	0.00
7) Phenol-d6	6.510	99	559443	121.101	ng	0.00
23) Nitrobenzene-d5	7.439	82	519687	125.195	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	198226	124.986	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1047440	122.404	ng	0.00
79) Terphenyl-d14	12.998	244	1057426	115.147	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.604	88	109742	65.106	ng	99
3) Pyridine	3.375	79	307664	65.424	ng	97
4) n-Nitrosodimethylamine	3.334	42	166098	67.619	ng	97
6) Aniline	6.539	93	409356	62.194	ng	99
8) 2-Chlorophenol	6.663	128	247503	61.902	ng	99
9) Benzaldehyde	6.428	77	150534	57.706	ng	98
10) Phenol	6.522	94	342646	60.707	ng	90
11) bis(2-Chloroethyl)ether	6.610	93	256657	62.405	ng	96
12) 1,3-Dichlorobenzene	6.816	146	303642	61.543	ng	98
13) 1,4-Dichlorobenzene	6.892	146	306973	62.104	ng	99
14) 1,2-Dichlorobenzene	7.045	146	293432	61.936	ng	99
15) Benzyl Alcohol	7.016	79	229107	62.632	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.145	45	467387	61.712	ng	96
17) 2-Methylphenol	7.128	107	191705	60.269	ng	96
18) Hexachloroethane	7.386	117	103964	63.308	ng	99
19) n-Nitroso-di-n-propyla...	7.292	70	179314	58.963	ng	96
20) 3+4-Methylphenols	7.281	107	224891	59.977	ng	91
22) Acetophenone	7.286	105	302907	58.897	ng	94
24) Nitrobenzene	7.463	77	285924	63.439	ng	98
25) Isophorone	7.698	82	485836	61.876	ng	99
26) 2-Nitrophenol	7.775	139	144140	64.606	ng	96
27) 2,4-Dimethylphenol	7.810	122	212249	63.471	ng	95
28) bis(2-Chloroethoxy)met...	7.904	93	304411	62.085	ng	99
29) 2,4-Dichlorophenol	8.016	162	234718	60.899	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	240858	60.858	ng	98
31) Naphthalene	8.181	128	684579	60.028	ng	100
32) Benzoic acid	7.933	122	136682	55.761	ng	96
33) 4-Chloroaniline	8.228	127	255554	61.441	ng	98
34) Hexachlorobutadiene	8.298	225	182626	61.229	ng	98
35) Caprolactam	8.610	113	62840	59.512	ng	95
36) 4-Chloro-3-methylphenol	8.710	107	208910	60.481	ng	99
37) 2-Methylnaphthalene	8.875	142	447909	58.743	ng	98
38) 1-Methylnaphthalene	8.975	142	431529	58.654	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	271508	65.549	ng	99
41) Hexachlorocyclopentadiene	9.022	237	95909	64.419	ng	96
43) 2,4,6-Trichlorophenol	9.151	196	185412	65.769	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144175.D
Acq On : 05 Nov 2025 16:19
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Nov 05 17:24:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

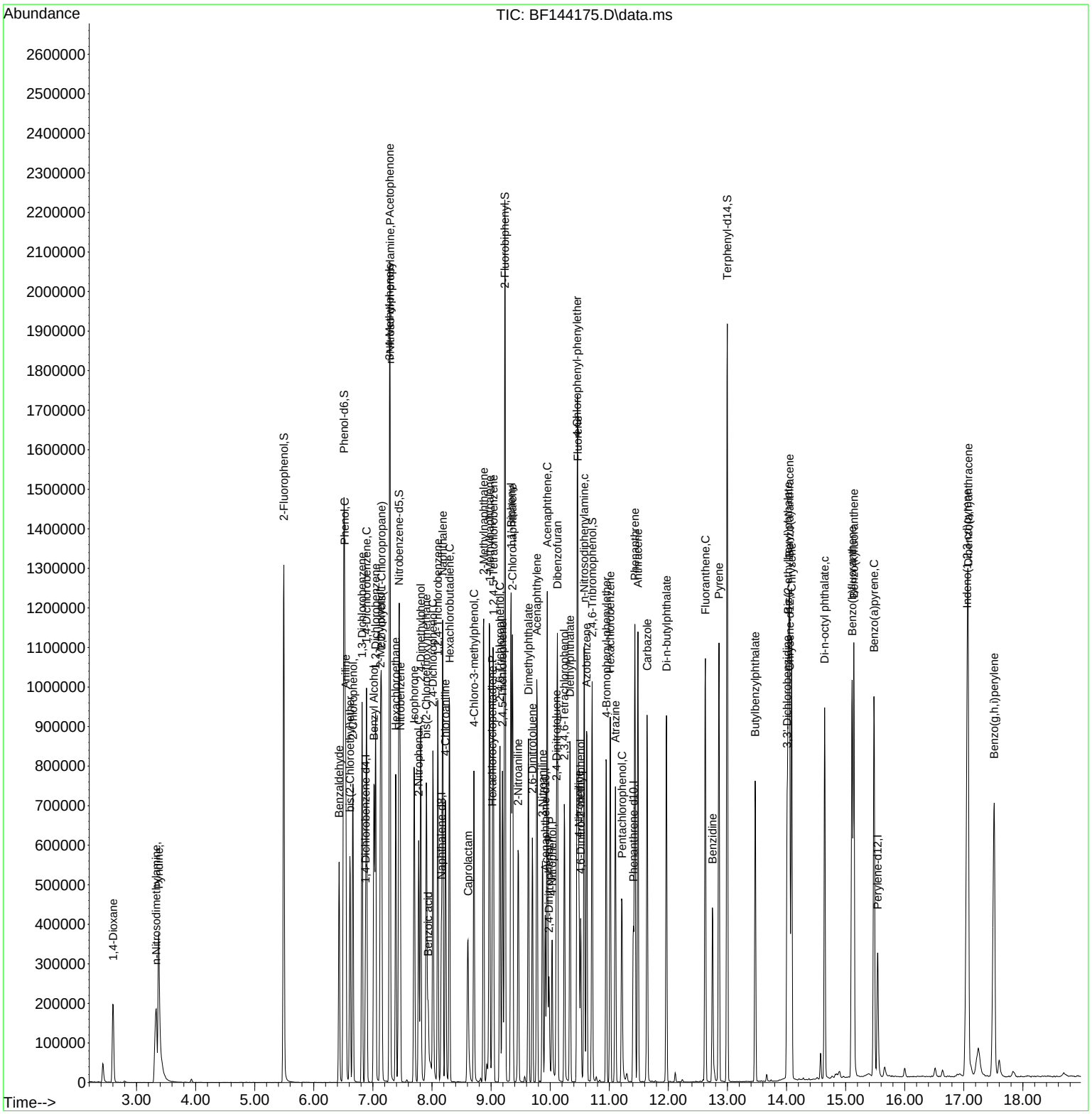
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	190324	62.639	ng	99
46) 1,1'-Biphenyl	9.339	154	549700	62.310	ng	99
47) 2-Chloronaphthalene	9.363	162	474514	63.056	ng	99
48) 2-Nitroaniline	9.457	65	141938	65.370	ng	98
49) Acenaphthylene	9.775	152	636324	62.050	ng	100
50) Dimethylphthalate	9.633	163	521205	62.250	ng	99
51) 2,6-Dinitrotoluene	9.698	165	110140	64.983	ng	99
52) Acenaphthene	9.951	154	423653	61.778	ng	99
53) 3-Nitroaniline	9.869	138	119967	64.749	ng	100
54) 2,4-Dinitrophenol	9.980	184	63597	62.138	ng	98
55) Dibenzofuran	10.122	168	592400	61.680	ng	98
56) 4-Nitrophenol	10.033	139	80163	59.812	ng	97
57) 2,4-Dinitrotoluene	10.104	165	142910	62.984	ng	97
58) Fluorene	10.469	166	435687	59.664	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	140953	65.569	ng	97
60) Diethylphthalate	10.333	149	468931	60.755	ng	98
61) 4-Chlorophenyl-phenyle...	10.457	204	249857	60.068	ng	97
62) 4-Nitroaniline	10.486	138	109153	61.862	ng	97
63) Azobenzene	10.616	77	453890	63.187	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	90823	62.727	ng	97
66) n-Nitrosodiphenylamine	10.574	169	421720	61.520	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	170395	62.634	ng	99
68) Hexachlorobenzene	11.016	284	204258	63.744	ng	96
69) Atrazine	11.104	200	134002	61.467	ng	100
70) Pentachlorophenol	11.216	266	103466	64.842	ng	99
71) Phenanthrene	11.433	178	641461	60.448	ng	99
72) Anthracene	11.486	178	656819	60.871	ng	100
73) Carbazole	11.639	167	546322	59.542	ng	100
74) Di-n-butylphthalate	11.969	149	677444	61.075	ng	99
75) Fluoranthene	12.627	202	667021	60.849	ng	99
77) Benzidine	12.745	184	277725	64.368	ng	100
78) Pyrene	12.857	202	686663	58.384	ng	100
80) Butylbenzylphthalate	13.468	149	249274	61.152	ng	100
81) Benzo(a)anthracene	14.051	228	653341	64.625	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	232807	67.182	ng	96
83) Chrysene	14.086	228	580449	62.196	ng	98
84) Bis(2-ethylhexyl)phtha...	14.027	149	351501	62.991	ng	98
85) Di-n-octyl phthalate	14.645	149	631065	65.547	ng	100
87) Indeno(1,2,3-cd)pyrene	17.056	276	938738	63.557	ng	100
88) Benzo(b)fluoranthene	15.109	252	700099	59.849	ng	99
89) Benzo(k)fluoranthene	15.139	252	699851	63.919	ng	98
90) Benzo(a)pyrene	15.480	252	680720	63.078	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	746544	62.936	ng	98
92) Benzo(g,h,i)perylene	17.515	276	757880	64.699	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144175.D
Acq On : 05 Nov 2025 16:19
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Nov 05 17:24:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144176.D
Acq On : 05 Nov 2025 16:49
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Nov 05 17:24:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	69287	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	261584	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	147600	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	244733	20.000	ng	0.00
76) Chrysene-d12	14.063	240	156809	20.000	ng	0.00
86) Perylene-d12	15.545	264	213275	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	661124	149.317	ng	0.00
7) Phenol-d6	6.510	99	742089	147.919	ng	0.00
23) Nitrobenzene-d5	7.445	82	707494	156.207	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	293555	158.489	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1397211	139.809	ng	0.00
79) Terphenyl-d14	12.998	244	1449323	146.810	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.604	88	149682	81.770	ng	99
3) Pyridine	3.375	79	427549	83.719	ng	99
4) n-Nitrosodimethylamine	3.346	42	224403	84.122	ng	98
6) Aniline	6.545	93	532078	74.439	ng	98
8) 2-Chlorophenol	6.663	128	333730	76.859	ng	100
9) Benzaldehyde	6.428	77	189297	66.820	ng	97
10) Phenol	6.528	94	441818	72.080	ng	78
11) bis(2-Chloroethyl)ether	6.616	93	348844	78.104	ng	99
12) 1,3-Dichlorobenzene	6.816	146	406743	75.913	ng	97
13) 1,4-Dichlorobenzene	6.892	146	405797	75.597	ng	99
14) 1,2-Dichlorobenzene	7.045	146	389053	75.617	ng	99
15) Benzyl Alcohol	7.022	79	317271	79.866	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	620126	75.396	ng	88
17) 2-Methylphenol	7.128	107	265517	76.865	ng	99
18) Hexachloroethane	7.386	117	139795	78.387	ng	97
19) n-Nitroso-di-n-propyla...	7.298	70	249355	75.502	ng	98
20) 3+4-Methylphenols	7.287	107	299182	73.473	ng	97
22) Acetophenone	7.292	105	409610	72.994	ng	94
24) Nitrobenzene	7.463	77	385188	78.328	ng	98
25) Isophorone	7.704	82	689837	80.522	ng	99
26) 2-Nitrophenol	7.775	139	194869	80.050	ng	94
27) 2,4-Dimethylphenol	7.816	122	287607	78.826	ng	96
28) bis(2-Chloroethoxy)met...	7.910	93	407835	76.234	ng	97
29) 2,4-Dichlorophenol	8.022	162	311260	74.016	ng	98
30) 1,2,4-Trichlorobenzene	8.098	180	326475	75.604	ng	97
31) Naphthalene	8.186	128	920731	73.994	ng	99
32) Benzoic acid	7.951	122	213364	79.777	ng	97
33) 4-Chloroaniline	8.233	127	341033	75.146	ng	97
34) Hexachlorobutadiene	8.298	225	249435	76.645	ng	98
35) Caprolactam	8.622	113	91899	79.765	ng	96
36) 4-Chloro-3-methylphenol	8.716	107	290083	76.969	ng	98
37) 2-Methylnaphthalene	8.875	142	610532	73.386	ng	100
38) 1-Methylnaphthalene	8.975	142	586747	73.093	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	361014	74.631	ng	99
41) Hexachlorocyclopentadiene	9.028	237	146524	78.238	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	254681	77.355	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144176.D
Acq On : 05 Nov 2025 16:49
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Nov 05 17:24:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	268940	75.791	ng	98
46) 1,1'-Biphenyl	9.339	154	749883	72.784	ng	99
47) 2-Chloronaphthalene	9.369	162	641521	72.995	ng	99
48) 2-Nitroaniline	9.463	65	203746	80.348	ng	98
49) Acenaphthylene	9.780	152	889410	74.264	ng	99
50) Dimethylphthalate	9.633	163	736477	75.318	ng	100
51) 2,6-Dinitrotoluene	9.704	165	156870	79.250	ng	98
52) Acenaphthene	9.951	154	594593	74.243	ng	99
53) 3-Nitroaniline	9.875	138	167110	77.230	ng	96
54) 2,4-Dinitrophenol	9.986	184	96727	80.924	ng	96
55) Dibenzofuran	10.128	168	802174	71.517	ng	98
56) 4-Nitrophenol	10.039	139	117050	74.782	ng	93
57) 2,4-Dinitrotoluene	10.110	165	208441	78.661	ng	95
58) Fluorene	10.469	166	618508	72.526	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	203523	81.067	ng	98
60) Diethylphthalate	10.339	149	686705	76.182	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	357010	73.492	ng	95
62) 4-Nitroaniline	10.498	138	158441	76.889	ng	98
63) Azobenzene	10.622	77	646943	77.117	ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	134894	81.136	ng	96
66) n-Nitrosodiphenylamine	10.580	169	600791	76.327	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	246236	78.826	ng	97
68) Hexachlorobenzene	11.022	284	289823	78.769	ng	97
69) Atrazine	11.110	200	191862	76.645	ng	99
70) Pentachlorophenol	11.216	266	161918	88.373	ng	99
71) Phenanthrene	11.433	178	916773	75.238	ng	99
72) Anthracene	11.486	178	916037	73.934	ng	99
73) Carbazole	11.645	167	777702	73.816	ng	100
74) Di-n-butylphthalate	11.969	149	965695	75.822	ng	100
75) Fluoranthene	12.627	202	937436	74.476	ng	99
77) Benzidine	12.751	184	347077	74.828	ng	99
78) Pyrene	12.857	202	943190	74.600	ng	99
80) Butylbenzylphthalate	13.474	149	344575	78.633	ng	99
81) Benzo(a)anthracene	14.051	228	856602	78.818	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	301919	81.046	ng	97
83) Chrysene	14.086	228	792397	78.982	ng	97
84) Bis(2-ethylhexyl)phtha...	14.033	149	479285	79.898	ng	99
85) Di-n-octyl phthalate	14.645	149	855486	82.657	ng	99
87) Indeno(1,2,3-cd)pyrene	17.062	276	1215637	79.403	ng	99
88) Benzo(b)fluoranthene	15.110	252	975518	80.454	ng	99
89) Benzo(k)fluoranthene	15.145	252	870791	76.728	ng	98
90) Benzo(a)pyrene	15.486	252	877623	78.458	ng	98
91) Dibenzo(a,h)anthracene	17.080	278	970735	78.952	ng	98
92) Benzo(g,h,i)perylene	17.521	276	981387	80.827	ng	98

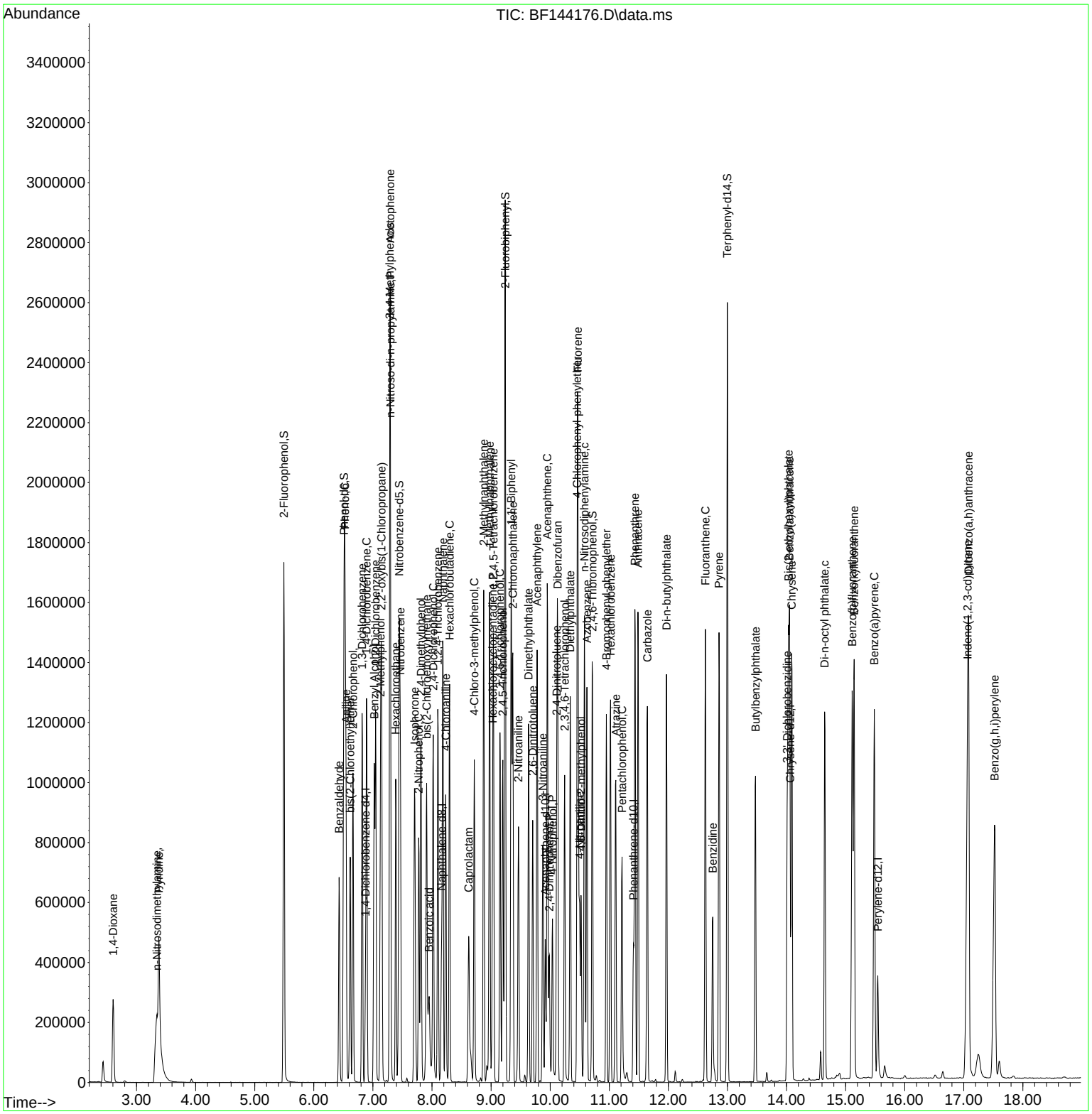
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144176.D
Acq On : 05 Nov 2025 16:49
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Nov 05 17:24:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144177.D
Acq On : 05 Nov 2025 17:21
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

Quant Time: Nov 05 17:56:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	69106	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	264133	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	143807	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	244964	20.000	ng		0.00
76) Chrysene-d12	14.057	240	162721	20.000	ng		0.00
86) Perylene-d12	15.539	264	215110	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	310198	70.243	ng		0.00
7) Phenol-d6	6.498	99	347682	69.484	ng		-0.01
23) Nitrobenzene-d5	7.440	82	313737	68.601	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	122691	67.987	ng		0.00
45) 2-Fluorobiphenyl	9.234	172	679055	69.741	ng		0.00
79) Terphenyl-d14	12.992	244	689624	67.318	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.605	88	63887	34.992	ng		99
3) Pyridine	3.375	79	165752	32.541	ng		98
4) n-Nitrosodimethylamine	3.322	42	96379	36.224	ng		99
6) Aniline	6.534	93	264913	37.159	ng		99
8) 2-Chlorophenol	6.657	128	151995	35.096	ng		100
9) Benzaldehyde	6.428	77	128101	45.337	ng		99
10) Phenol	6.516	94	217418	35.563	ng		98
11) bis(2-Chloroethyl)ether	6.610	93	156661	35.167	ng		98
12) 1,3-Dichlorobenzene	6.816	146	192589	36.038	ng		98
13) 1,4-Dichlorobenzene	6.893	146	191978	35.858	ng		98
14) 1,2-Dichlorobenzene	7.045	146	189651	36.957	ng		98
15) Benzyl Alcohol	7.016	79	141026	35.593	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	289907	35.340	ng		99
17) 2-Methylphenol	7.122	107	119633	34.723	ng		97
18) Hexachloroethane	7.387	117	64124	36.050	ng		99
19) n-Nitroso-di-n-propyla...	7.281	70	112165	34.051	ng		95
20) 3+4-Methylphenols	7.275	107	145554	35.839	ng	#	89
22) Acetophenone	7.281	105	204331	36.061	ng		98
24) Nitrobenzene	7.457	77	172618	34.763	ng		99
25) Isophorone	7.692	82	300648	34.755	ng		100
26) 2-Nitrophenol	7.775	139	89771	36.521	ng		96
27) 2,4-Dimethylphenol	7.804	122	144915	39.334	ng		98
28) bis(2-Chloroethoxy)met...	7.904	93	191347	35.422	ng		98
29) 2,4-Dichlorophenol	8.016	162	144739	34.086	ng		99
30) 1,2,4-Trichlorobenzene	8.098	180	155562	35.677	ng		99
31) Naphthalene	8.181	128	438013	34.861	ng		99
32) Benzoic acid	7.916	122	81416m	30.148	ng		
33) 4-Chloroaniline	8.228	127	177275	38.685	ng		98
34) Hexachlorobutadiene	8.292	225	113543	34.552	ng		99
35) Caprolactam	8.592	113	38947	33.478	ng		97
36) 4-Chloro-3-methylphenol	8.704	107	130667	34.336	ng		98
37) 2-Methylnaphthalene	8.869	142	268630	31.978	ng		99
38) 1-Methylnaphthalene	8.969	142	271310	33.472	ng		100
40) 1,2,4,5-Tetrachloroben...	9.039	216	173491	36.811	ng		98
41) Hexachlorocyclopentadiene	9.022	237	69987	46.350	ng		98
43) 2,4,6-Trichlorophenol	9.151	196	113418	35.357	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144177.D
Acq On : 05 Nov 2025 17:21
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Quant Time: Nov 05 17:56:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	121621	35.179	ng	98
46) 1,1'-Biphenyl	9.334	154	366655	36.526	ng	99
47) 2-Chloronaphthalene	9.363	162	300481	35.092	ng	99
48) 2-Nitroaniline	9.457	65	88055	35.641	ng	97
49) Acenaphthylene	9.775	152	464616	39.818	ng	99
50) Dimethylphthalate	9.634	163	334163	35.076	ng	99
51) 2,6-Dinitrotoluene	9.698	165	70890	36.758	ng	97
52) Acenaphthene	9.951	154	262974	33.702	ng	98
53) 3-Nitroaniline	9.869	138	74572	35.372	ng	98
54) 2,4-Dinitrophenol	9.981	184	33460	28.732	ng	97
55) Dibenzofuran	10.122	168	389072	35.602	ng	99
56) 4-Nitrophenol	10.034	139	47167	30.929	ng	93
57) 2,4-Dinitrotoluene	10.104	165	92928	35.994	ng	98
58) Fluorene	10.463	166	298316	35.903	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.239	232	91542	37.425	ng	98
60) Diethylphthalate	10.333	149	304274	34.646	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	165662	35.002	ng	98
62) 4-Nitroaniline	10.481	138	70828	35.278	ng	97
63) Azobenzene	10.616	77	293901	35.958	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	52164	31.346	ng	96
66) n-Nitrosodiphenylamine	10.575	169	285930	36.292	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	106730	34.135	ng	97
68) Hexachlorobenzene	11.016	284	128202	34.810	ng	98
69) Atrazine	11.098	200	92182	36.790	ng	97
70) Pentachlorophenol	11.216	266	59981	32.706	ng	99
71) Phenanthrene	11.433	178	427466	35.049	ng	99
72) Anthracene	11.486	178	437609	35.286	ng	100
73) Carbazole	11.639	167	360909	34.224	ng	99
74) Di-n-butylphthalate	11.963	149	440261	34.535	ng	99
75) Fluoranthene	12.622	202	432624	34.338	ng	99
77) Benzidine	12.745	184	217389	45.165	ng	99
78) Pyrene	12.857	202	433110	33.011	ng	99
80) Butylbenzylphthalate	13.469	149	157485	34.633	ng	98
81) Benzo(a)anthracene	14.045	228	377686	33.489	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	153129	39.612	ng	96
83) Chrysene	14.086	228	359786	34.559	ng	97
84) Bis(2-ethylhexyl)phtha...	14.027	149	217122	34.880	ng	99
85) Di-n-octyl phthalate	14.645	149	377429	35.142	ng	99
87) Indeno(1,2,3-cd)pyrene	17.051	276	525298	34.019	ng	100
88) Benzo(b)fluoranthene	15.104	252	428292	35.021	ng	99
89) Benzo(k)fluoranthene	15.133	252	371234	32.431	ng	99
90) Benzo(a)pyrene	15.480	252	399556	35.415	ng	100
91) Dibenzo(a,h)anthracene	17.062	278	423195	34.126	ng	99
92) Benzo(g,h,i)perylene	17.504	276	426866	34.857	ng	98

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

ICAL Form

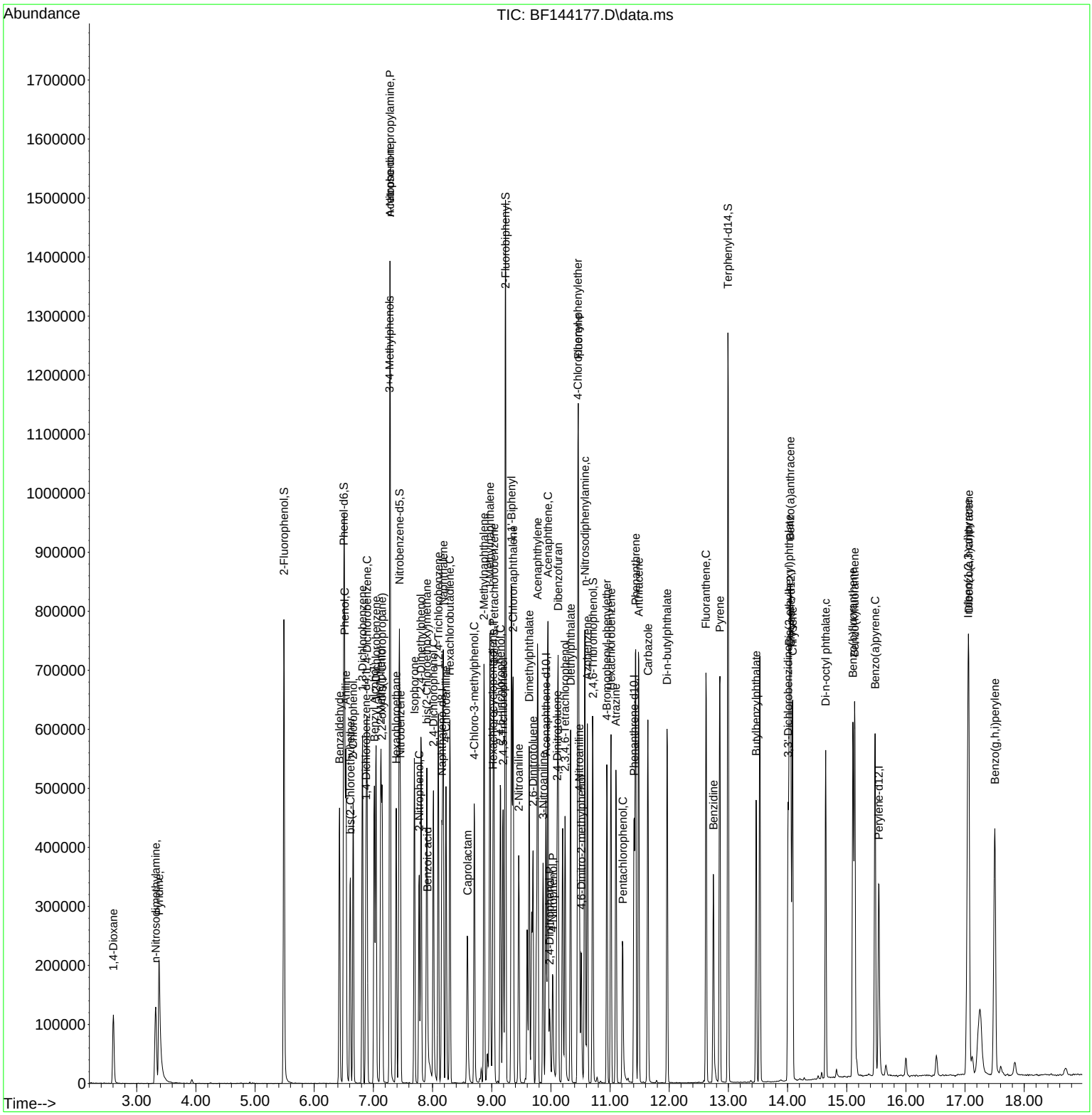
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144177.D
Acq On : 05 Nov 2025 17:21
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 05 17:56:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144177.D
Acq On : 05 Nov 2025 17:21
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Quant Time: Nov 05 17:56:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
2		1,4-Dioxane	0.528	0.462	12.5	83	-0.01
3		Pyridine	1.474	1.199	18.7	78	-0.04
4		n-Nitrosodimethylamine	0.770	0.697	9.5	89	-0.02
5	S	2-Fluorophenol	1.278	1.122	12.2	84	0.00
6		Aniline	2.063	1.917	7.1	92	0.00
7	S	Phenol-d6	1.448	1.258	13.1	85	0.00
8		2-Chlorophenol	1.253	1.100	12.2	85	0.00
9		Benzaldehyde	0.818	0.927	-13.3	112	0.00
10	C	Phenol	1.769	1.573	11.1	84	0.00
11		bis(2-Chloroethyl)ether	1.289	1.133	12.1	85	0.00
12		1,3-Dichlorobenzene	1.547	1.393	10.0	89	0.00
13	C	1,4-Dichlorobenzene	1.549	1.389	10.3	86	0.00
14		1,2-Dichlorobenzene	1.485	1.372	7.6	91	0.00
15		Benzyl Alcohol	1.147	1.020	11.1	87	0.00
16		2,2'-oxybis(1-Chloropropane	2.374	2.098	11.6	86	0.00
17		2-Methylphenol	0.997	0.866	13.1	83	0.00
18		Hexachloroethane	0.515	0.464	9.9	86	0.00
19	P	n-Nitroso-di-n-propylamine	0.953	0.812	14.8	84	0.00
20		3+4-Methylphenols	1.175	1.053	10.4	86	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	101	0.00
22		Acetophenone	0.429	0.387	9.8	90	0.00
23	S	Nitrobenzene-d5	0.346	0.297	14.2	83	0.00
24		Nitrobenzene	0.376	0.327	13.0	85	0.00
25		Isophorone	0.655	0.569	13.1	85	0.00
26	C	2-Nitrophenol	0.186	0.170	8.6	87	0.00
27		2,4-Dimethylphenol	0.279	0.274	1.8	93	0.00
28		bis(2-Chloroethoxy)methane	0.409	0.362	11.5	86	0.00
29	C	2,4-Dichlorophenol	0.322	0.274	14.9	83	0.00
30		1,2,4-Trichlorobenzene	0.330	0.294	10.9	88	0.00
31		Naphthalene	0.951	0.829	12.8	86	0.00
32		Benzoic acid	0.204	0.154	24.5	86	-0.04
33		4-Chloroaniline	0.347	0.336	3.2	93	0.00
34	C	Hexachlorobutadiene	0.249	0.215	13.7	83	0.00
35		Caprolactam	0.088	0.074	15.9	80	-0.03
36	C	4-Chloro-3-methylphenol	0.288	0.247	14.2	84	0.00
37		2-Methylnaphthalene	0.636	0.509	20.0	79	0.00
38		1-Methylnaphthalene	0.614	0.514	16.3	83	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	97	0.00
40		1,2,4,5-Tetrachlorobenzene	0.655	0.603	7.9	86	0.00
41	P	Hexachlorocyclopentadiene	0.195	0.243	-24.6	118	0.00
42	S	2,4,6-Tribromophenol	0.251	0.213	15.1	78	0.00
43	C	2,4,6-Trichlorophenol	0.446	0.394	11.7	84	0.00
44		2,4,5-Trichlorophenol	0.481	0.423	12.1	84	0.00
45	S	2-Fluorobiphenyl	1.354	1.180	12.9	85	0.00
46		1,1'-Biphenyl	1.396	1.275	8.7	87	0.00
47		2-Chloronaphthalene	1.191	1.045	12.3	84	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144177.D
Acq On : 05 Nov 2025 17:21
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Quant Time: Nov 05 17:56:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.344	0.306	11.0	82	0.00
49		Acenaphthylene	1.623	1.615	0.5	95	0.00
50		Dimethylphthalate	1.325	1.162	12.3	83	0.00
51		2,6-Dinitrotoluene	0.268	0.246	8.2	86	0.00
52	C	Acenaphthene	1.085	0.914	15.8	81	0.00
53		3-Nitroaniline	0.293	0.259	11.6	80	0.00
54	P	2,4-Dinitrophenol	0.162	0.116	28.4#	80	0.00
55		Dibenzofuran	1.520	1.353	11.0	84	0.00
56	P	4-Nitrophenol	0.212	0.164	22.6	78	0.00
57		2,4-Dinitrotoluene	0.359	0.323	10.0	81	0.00
58		Fluorene	1.156	1.037	10.3	85	0.00
59		2,3,4,6-Tetrachlorophenol	0.340	0.318	6.5	86	0.00
60		Diethylphthalate	1.221	1.058	13.3	82	0.00
61		4-Chlorophenyl-phenylether	0.658	0.576	12.5	81	0.00
62		4-Nitroaniline	0.279	0.246	11.8	83	0.00
63		Azobenzene	1.137	1.022	10.1	85	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	95	0.00
65		4,6-Dinitro-2-methylphenol	0.136	0.106	22.1	78	0.00
66	c	n-Nitrosodiphenylamine	0.643	0.584	9.2	86	0.00
67		4-Bromophenyl-phenylether	0.255	0.218	14.5	79	0.00
68		Hexachlorobenzene	0.301	0.262	13.0	83	0.00
69		Atrazine	0.205	0.188	8.3	87	0.00
70	C	Pentachlorophenol	0.150	0.122	18.7	75	0.00
71		Phenanthrene	0.996	0.873	12.3	82	0.00
72		Anthracene	1.013	0.893	11.8	83	0.00
73		Carbazole	0.861	0.737	14.4	80	0.00
74		Di-n-butylphthalate	1.041	0.899	13.6	80	0.00
75	C	Fluoranthene	1.029	0.883	14.2	80	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	100	0.00
77		Benzidine	0.592	0.668	-12.8	107	0.00
78		Pyrene	1.613	1.331	17.5	78	0.00
79	S	Terphenyl-d14	1.259	1.060	15.8	81	0.00
80		Butylbenzylphthalate	0.559	0.484	13.4	82	0.00
81		Benzo(a)anthracene	1.386	1.161	16.2	81	0.00
82		3,3'-Dichlorobenzidine	0.475	0.471	0.8	98	0.00
83		Chrysene	1.280	1.106	13.6	79	0.00
84		Bis(2-ethylhexyl)phthalate	0.765	0.667	12.8	82	0.00
85	c	Di-n-octyl phthalate	1.320	1.160	12.1	82	0.00
86	I	Perylene-d12	1.000	1.000	0.0	103	0.00
87		Indeno(1,2,3-cd)pyrene	1.436	1.221	15.0	85	0.02
88		Benzo(b)fluoranthene	1.137	0.996	12.4	83	0.00
89		Benzo(k)fluoranthene	1.064	0.863	18.9	85	0.00
90	C	Benzo(a)pyrene	1.049	0.929	11.4	89	0.00
91		Dibenzo(a,h)anthracene	1.153	0.984	14.7	85	0.01
92		Benzo(g,h,i)perylene	1.139	0.992	12.9	86	0.01

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144177.D
Acq On : 05 Nov 2025 17:21
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Quant Time: Nov 05 17:56:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144177.D
Acq On : 05 Nov 2025 17:21
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Quant Time: Nov 05 17:56:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	99	0.00
2		1,4-Dioxane	40.000	34.992	12.5	83	-0.01
3		Pyridine	40.000	32.541	18.6	78	-0.04
4		n-Nitrosodimethylamine	40.000	36.224	9.4	89	-0.02
5	S	2-Fluorophenol	80.000	70.243	12.2	84	0.00
6		Aniline	40.000	37.159	7.1	92	0.00
7	S	Phenol-d6	80.000	69.484	13.1	85	0.00
8		2-Chlorophenol	40.000	35.096	12.3	85	0.00
9		Benzaldehyde	40.000	45.337	-13.3	112	0.00
10	C	Phenol	40.000	35.563	11.1	84	0.00
11		bis(2-Chloroethyl)ether	40.000	35.167	12.1	85	0.00
12		1,3-Dichlorobenzene	40.000	36.038	9.9	89	0.00
13	C	1,4-Dichlorobenzene	40.000	35.858	10.4	86	0.00
14		1,2-Dichlorobenzene	40.000	36.957	7.6	91	0.00
15		Benzyl Alcohol	40.000	35.593	11.0	87	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	35.340	11.6	86	0.00
17		2-Methylphenol	40.000	34.723	13.2	83	0.00
18		Hexachloroethane	40.000	36.050	9.9	86	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	34.051	14.9	84	0.00
20		3+4-Methylphenols	40.000	35.839	10.4	86	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	101	0.00
22		Acetophenone	40.000	36.061	9.8	90	0.00
23	S	Nitrobenzene-d5	80.000	68.601	14.2	83	0.00
24		Nitrobenzene	40.000	34.763	13.1	85	0.00
25		Isophorone	40.000	34.755	13.1	85	0.00
26	C	2-Nitrophenol	40.000	36.521	8.7	87	0.00
27		2,4-Dimethylphenol	40.000	39.334	1.7	93	0.00
28		bis(2-Chloroethoxy)methane	40.000	35.422	11.4	86	0.00
29	C	2,4-Dichlorophenol	40.000	34.086	14.8	83	0.00
30		1,2,4-Trichlorobenzene	40.000	35.677	10.8	88	0.00
31		Naphthalene	40.000	34.861	12.8	86	0.00
32		Benzoic acid	40.000	30.148	24.6	86	-0.04
33		4-Chloroaniline	40.000	38.685	3.3	93	0.00
34	C	Hexachlorobutadiene	40.000	34.552	13.6	83	0.00
35		Caprolactam	40.000	33.478	16.3	80	-0.03
36	C	4-Chloro-3-methylphenol	40.000	34.336	14.2	84	0.00
37		2-Methylnaphthalene	40.000	31.978	20.1	79	0.00
38		1-Methylnaphthalene	40.000	33.472	16.3	83	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	97	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	36.811	8.0	86	0.00
41	P	Hexachlorocyclopentadiene	40.000	46.350	-15.9	118	0.00
42	S	2,4,6-Tribromophenol	80.000	67.987	15.0	78	0.00
43	C	2,4,6-Trichlorophenol	40.000	35.357	11.6	84	0.00
44		2,4,5-Trichlorophenol	40.000	35.179	12.1	84	0.00
45	S	2-Fluorobiphenyl	80.000	69.741	12.8	85	0.00
46		1,1'-Biphenyl	40.000	36.526	8.7	87	0.00
47		2-Chloronaphthalene	40.000	35.092	12.3	84	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144177.D
Acq On : 05 Nov 2025 17:21
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Quant Time: Nov 05 17:56:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	35.641	10.9	82	0.00
49		Acenaphthylene	40.000	39.818	0.5	95	0.00
50		Dimethylphthalate	40.000	35.076	12.3	83	0.00
51		2,6-Dinitrotoluene	40.000	36.758	8.1	86	0.00
52	C	Acenaphthene	40.000	33.702	15.7	81	0.00
53		3-Nitroaniline	40.000	35.372	11.6	80	0.00
54	P	2,4-Dinitrophenol	40.000	28.732	28.2#	80	0.00
55		Dibenzofuran	40.000	35.602	11.0	84	0.00
56	P	4-Nitrophenol	40.000	30.929	22.7	78	0.00
57		2,4-Dinitrotoluene	40.000	35.994	10.0	81	0.00
58		Fluorene	40.000	35.903	10.2	85	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	37.425	6.4	86	0.00
60		Diethylphthalate	40.000	34.646	13.4	82	0.00
61		4-Chlorophenyl-phenylether	40.000	35.002	12.5	81	0.00
62		4-Nitroaniline	40.000	35.278	11.8	83	0.00
63		Azobenzene	40.000	35.958	10.1	85	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	95	0.00
65		4,6-Dinitro-2-methylphenol	40.000	31.346	21.6	78	0.00
66	c	n-Nitrosodiphenylamine	40.000	36.292	9.3	86	0.00
67		4-Bromophenyl-phenylether	40.000	34.135	14.7	79	0.00
68		Hexachlorobenzene	40.000	34.810	13.0	83	0.00
69		Atrazine	40.000	36.790	8.0	87	0.00
70	C	Pentachlorophenol	40.000	32.706	18.2	75	0.00
71		Phenanthrene	40.000	35.049	12.4	82	0.00
72		Anthracene	40.000	35.286	11.8	83	0.00
73		Carbazole	40.000	34.224	14.4	80	0.00
74		Di-n-butylphthalate	40.000	34.535	13.7	80	0.00
75	C	Fluoranthene	40.000	34.338	14.2	80	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	100	0.00
77		Benzidine	40.000	45.165	-12.9	107	0.00
78		Pyrene	40.000	33.011	17.5	78	0.00
79	S	Terphenyl-d14	80.000	67.318	15.9	81	0.00
80		Butylbenzylphthalate	40.000	34.633	13.4	82	0.00
81		Benzo(a)anthracene	40.000	33.489	16.3	81	0.00
82		3,3'-Dichlorobenzidine	40.000	39.612	1.0	98	0.00
83		Chrysene	40.000	34.559	13.6	79	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	34.880	12.8	82	0.00
85	c	Di-n-octyl phthalate	40.000	35.142	12.1	82	0.00
86	I	Perylene-d12	20.000	20.000	0.0	103	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	34.019	15.0	85	0.02
88		Benzo(b)fluoranthene	40.000	35.021	12.4	83	0.00
89		Benzo(k)fluoranthene	40.000	32.431	18.9	85	0.00
90	C	Benzo(a)pyrene	40.000	35.415	11.5	89	0.00
91		Dibenzo(a,h)anthracene	40.000	34.126	14.7	85	0.01
92		Benzo(g,h,i)perylene	40.000	34.857	12.9	86	0.01

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144177.D
Acq On : 05 Nov 2025 17:21
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Quant Time: Nov 05 17:56:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

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

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

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ROMA02

Lab Code: ACE SDG No.: Q3604

Instrument ID: BNA_F Calibration Date/Time: 11/12/2025 15:52

Lab File ID: BF144230.D Init. Calib. Date(s): 11/05/2025 11/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:50 16:49

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.474	1.845		25.2	
2-Fluorophenol	1.278	1.374		7.5	
Phenol-d6	1.448	1.554		7.3	
1,4-Dichlorobenzene	1.549	1.580		2.0	20.0
2-Methylphenol	0.997	1.076		7.9	
3+4-Methylphenols	1.175	1.185		0.9	
Nitrobenzene-d5	0.346	0.352		1.7	
Hexachloroethane	0.515	0.534		3.7	
Nitrobenzene	0.376	0.391		4.0	
Hexachlorobutadiene	0.249	0.219		-12.0	20.0
2,4,6-Trichlorophenol	0.446	0.440		-1.3	20.0
2-Fluorobiphenyl	1.354	1.255		-7.3	
2,4,5-Trichlorophenol	0.481	0.476		-1.0	
2,4-Dinitrotoluene	0.359	0.384		7.0	
2,4,6-Tribromophenol	0.251	0.227		-9.6	
Hexachlorobenzene	0.301	0.291		-3.3	
Pentachlorophenol	0.150	0.143		-4.7	20.0
Terphenyl-d14	1.259	1.396		10.9	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111225\
Data File : BF144230.D
Acq On : 12 Nov 2025 15:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Nov 12 16:52:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	44350	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	175875	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	95653	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	157798	20.000	ng	# 0.00
76) Chrysene-d12	14.051	240	80733	20.000	ng	0.00
86) Perylene-d12	15.527	264	104708	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	243761	86.010	ng	0.00
7) Phenol-d6	6.498	99	275695	85.853	ng	0.00
23) Nitrobenzene-d5	7.434	82	247896	81.406	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	86684	72.217	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	480049	74.122	ng	0.00
79) Terphenyl-d14	12.986	244	450837	88.701	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.622	88	56063	47.848	ng	96
3) Pyridine	3.393	79	163655	50.064	ng	98
4) n-Nitrosodimethylamine	3.346	42	77900	45.622	ng	89
6) Aniline	6.534	93	205172	44.844	ng	98
8) 2-Chlorophenol	6.651	128	119294	42.921	ng	96
9) Benzaldehyde	6.422	77	110217	60.782	ng	96
10) Phenol	6.516	94	173092	44.117	ng	97
11) bis(2-Chloroethyl)ether	6.604	93	129725	45.376	ng	97
12) 1,3-Dichlorobenzene	6.810	146	142221	41.468	ng	99
13) 1,4-Dichlorobenzene	6.887	146	140153	40.790	ng	100
14) 1,2-Dichlorobenzene	7.040	146	135137	41.034	ng	99
15) Benzyl Alcohol	7.010	79	109633	43.115	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.140	45	264838	50.305	ng	98
17) 2-Methylphenol	7.122	107	95444	43.166	ng	97
18) Hexachloroethane	7.381	117	47399	41.522	ng	97
19) n-Nitroso-di-n-propyla...	7.281	70	88529	41.878	ng	96
20) 3+4-Methylphenols	7.275	107	105084	40.317	ng	97
22) Acetophenone	7.281	105	141648	37.543	ng	97
24) Nitrobenzene	7.451	77	137576	41.610	ng	99
25) Isophorone	7.692	82	246453	42.787	ng	99
26) 2-Nitrophenol	7.769	139	69842	42.672	ng	97
27) 2,4-Dimethylphenol	7.804	122	103592	42.228	ng	98
28) bis(2-Chloroethoxy)met...	7.898	93	151947	42.244	ng	98
29) 2,4-Dichlorophenol	8.010	162	110012	38.909	ng	99
30) 1,2,4-Trichlorobenzene	8.092	180	109767	37.807	ng	98
31) Naphthalene	8.175	128	326081	38.976	ng	100
32) Benzoic acid	7.916	122	71367	39.688	ng	95
33) 4-Chloroaniline	8.222	127	124395	40.768	ng	99
34) Hexachlorobutadiene	8.287	225	77043	35.210	ng	98
35) Caprolactam	8.598	113	35386	45.681	ng	95
36) 4-Chloro-3-methylphenol	8.704	107	102405	40.413	ng	98
37) 2-Methylnaphthalene	8.863	142	220105	39.350	ng	98
38) 1-Methylnaphthalene	8.963	142	205970	38.162	ng	99
40) 1,2,4,5-Tetrachloroben...	9.034	216	118659	37.852	ng	98
41) Hexachlorocyclopentadiene	9.016	237	43565	44.100	ng	97
43) 2,4,6-Trichlorophenol	9.145	196	84172	39.450	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111225\
Data File : BF144230.D
Acq On : 12 Nov 2025 15:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Nov 12 16:52:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

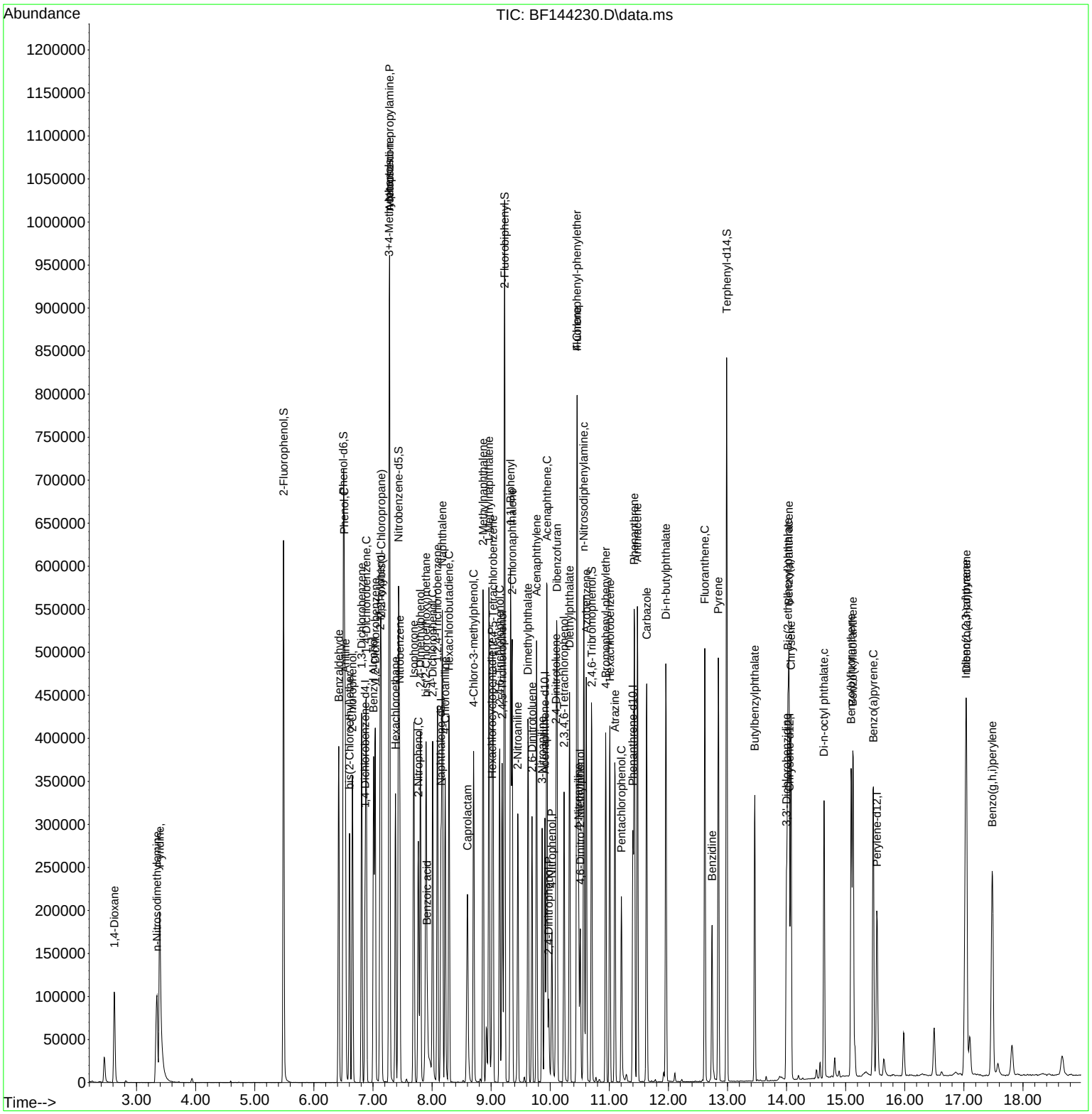
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	91076	39.606	ng		99
46) 1,1'-Biphenyl	9.328	154	262742	39.351	ng		98
47) 2-Chloronaphthalene	9.357	162	221022	38.807	ng		100
48) 2-Nitroaniline	9.451	65	73702	44.849	ng		98
49) Acenaphthylene	9.769	152	312657	40.284	ng		99
50) Dimethylphthalate	9.622	163	263090	41.518	ng		100
51) 2,6-Dinitrotoluene	9.692	165	55173	43.011	ng		99
52) Acenaphthene	9.945	154	201970	38.914	ng		99
53) 3-Nitroaniline	9.863	138	62490	44.564	ng		98
54) 2,4-Dinitrophenol	9.975	184	24580	31.732	ng		96
55) Dibenzofuran	10.116	168	281536	38.731	ng		99
56) 4-Nitrophenol	10.028	139	40795	40.218	ng		94
57) 2,4-Dinitrotoluene	10.098	165	73553	42.832	ng		99
58) Fluorene	10.457	166	213555	38.641	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	63429	38.986	ng		98
60) Diethylphthalate	10.328	149	239322	40.969	ng		100
61) 4-Chlorophenyl-phenyle...	10.451	204	118055	37.500	ng		99
62) 4-Nitroaniline	10.480	138	58236	43.609	ng		91
63) Azobenzene	10.610	77	233579	42.964	ng		99
65) 4,6-Dinitro-2-methylph...	10.510	198	38862	36.252	ng		99
66) n-Nitrosodiphenylamine	10.569	169	211408	41.655	ng		99
67) 4-Bromophenyl-phenylether	10.939	248	79093	39.269	ng		97
68) Hexachlorobenzene	11.010	284	91732	38.667	ng		97
69) Atrazine	11.098	200	63799	39.528	ng		99
70) Pentachlorophenol	11.204	266	44975	38.070	ng		98
71) Phenanthrene	11.422	178	315429	40.149	ng		100
72) Anthracene	11.475	178	316464	39.614	ng		99
73) Carbazole	11.633	167	273989	40.333	ng		99
74) Di-n-butylphthalate	11.957	149	351445	42.796	ng		99
75) Fluoranthene	12.616	202	301366	37.133	ng		98
77) Benzidine	12.739	184	112222	46.994	ng		99
78) Pyrene	12.845	202	297952	45.772	ng		99
80) Butylbenzylphthalate	13.463	149	107928	47.838	ng		98
81) Benzo(a)anthracene	14.039	228	233923	41.806	ng		99
82) 3,3'-Dichlorobenzidine	13.998	252	77212	40.257	ng		96
83) Chrysene	14.074	228	216965	42.004	ng		98
84) Bis(2-ethylhexyl)phtha...	14.021	149	137880	44.644	ng		98
85) Di-n-octyl phthalate	14.633	149	217186	40.759	ng		99
87) Indeno(1,2,3-cd)pyrene	17.033	276	298718	39.742	ng	#	96
88) Benzo(b)fluoranthene	15.092	252	250168	42.025	ng	#	99
89) Benzo(k)fluoranthene	15.121	252	225753	40.517	ng	#	97
90) Benzo(a)pyrene	15.468	252	228753	41.654	ng	#	98
91) Dibenzo(a,h)anthracene	17.045	278	239621	39.696	ng		97
92) Benzo(g,h,i)perylene	17.480	276	233791	39.220	ng	#	96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111225\
Data File : BF144230.D
Acq On : 12 Nov 2025 15:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Nov 12 16:52:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration



Sample Results: **BF144230.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111225\
Data File : BF144230.D
Acq On : 12 Nov 2025 15:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 12 16:52:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	63	0.00
2		1,4-Dioxane	0.528	0.632	-19.7	72	0.00
3		Pyridine	1.474	1.845	-25.2#	77	-0.02
4		n-Nitrosodimethylamine	0.770	0.878	-14.0	72	0.00
5	S	2-Fluorophenol	1.278	1.374	-7.5	66	0.00
6		Aniline	2.063	2.313	-12.1	71	0.00
7	S	Phenol-d6	1.448	1.554	-7.3	68	0.00
8		2-Chlorophenol	1.253	1.345	-7.3	67	0.00
9		Benzaldehyde	0.818	1.243	-52.0#	97	0.00
10	C	Phenol	1.769	1.951	-10.3	67	0.00
11		bis(2-Chloroethyl)ether	1.289	1.463	-13.5	70	0.00
12		1,3-Dichlorobenzene	1.547	1.603	-3.6	66	0.00
13	C	1,4-Dichlorobenzene	1.549	1.580	-2.0	63	0.00
14		1,2-Dichlorobenzene	1.485	1.524	-2.6	65	0.00
15		Benzyl Alcohol	1.147	1.236	-7.8	68	-0.01
16		2,2'-oxybis(1-Chloropropane	2.374	2.986	-25.8#	78	0.00
17		2-Methylphenol	0.997	1.076	-7.9	66	0.00
18		Hexachloroethane	0.515	0.534	-3.7	64	0.00
19	P	n-Nitroso-di-n-propylamine	0.953	0.998	-4.7	67	0.00
20		3+4-Methylphenols	1.175	1.185	-0.9	62	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	67	0.00
22		Acetophenone	0.429	0.403	6.1	62	0.00
23	S	Nitrobenzene-d5	0.346	0.352	-1.7	66	0.00
24		Nitrobenzene	0.376	0.391	-4.0	68	0.00
25		Isophorone	0.655	0.701	-7.0	70	0.00
26	C	2-Nitrophenol	0.186	0.199	-7.0	68	0.00
27		2,4-Dimethylphenol	0.279	0.295	-5.7	66	0.00
28		bis(2-Chloroethoxy)methane	0.409	0.432	-5.6	68	0.00
29	C	2,4-Dichlorophenol	0.322	0.313	2.8	63	0.00
30		1,2,4-Trichlorobenzene	0.330	0.312	5.5	62	0.00
31		Naphthalene	0.951	0.927	2.5	64	0.00
32		Benzoic acid	0.204	0.203	0.5	76	-0.04
33		4-Chloroaniline	0.347	0.354	-2.0	65	0.00
34	C	Hexachlorobutadiene	0.249	0.219	12.0	57	0.00
35		Caprolactam	0.088	0.101	-14.8	73	-0.02
36	C	4-Chloro-3-methylphenol	0.288	0.291	-1.0	66	0.00
37		2-Methylnaphthalene	0.636	0.626	1.6	65	0.00
38		1-Methylnaphthalene	0.614	0.586	4.6	63	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	64	0.00
40		1,2,4,5-Tetrachlorobenzene	0.655	0.620	5.3	59	0.00
41	P	Hexachlorocyclopentadiene	0.195	0.228	-16.9	73	-0.01
42	S	2,4,6-Tribromophenol	0.251	0.227	9.6	55	0.00
43	C	2,4,6-Trichlorophenol	0.446	0.440	1.3	62	0.00
44		2,4,5-Trichlorophenol	0.481	0.476	1.0	63	0.00
45	S	2-Fluorobiphenyl	1.354	1.255	7.3	60	0.00
46		1,1'-Biphenyl	1.396	1.373	1.6	63	0.00
47		2-Chloronaphthalene	1.191	1.155	3.0	62	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111225\
Data File : BF144230.D
Acq On : 12 Nov 2025 15:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 12 16:52:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.344	0.385	-11.9	69	0.00
49		Acenaphthylene	1.623	1.634	-0.7	64	0.00
50		Dimethylphthalate	1.325	1.375	-3.8	66	0.00
51		2,6-Dinitrotoluene	0.268	0.288	-7.5	67	0.00
52	C	Acenaphthene	1.085	1.056	2.7	62	0.00
53		3-Nitroaniline	0.293	0.327	-11.6	67	0.00
54	P	2,4-Dinitrophenol	0.162	0.128	21.0	59	-0.01
55		Dibenzofuran	1.520	1.472	3.2	61	0.00
56	P	4-Nitrophenol	0.212	0.213	-0.5	67	-0.01
57		2,4-Dinitrotoluene	0.359	0.384	-7.0	64	0.00
58		Fluorene	1.156	1.116	3.5	61	0.00
59		2,3,4,6-Tetrachlorophenol	0.340	0.332	2.4	60	0.00
60		Diethylphthalate	1.221	1.251	-2.5	64	0.00
61		4-Chlorophenyl-phenylether	0.658	0.617	6.2	58	0.00
62		4-Nitroaniline	0.279	0.304	-9.0	68	0.00
63		Azobenzene	1.137	1.221	-7.4	67	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	61	0.00
65		4,6-Dinitro-2-methylphenol	0.136	0.123	9.6	58	-0.01
66	c	n-Nitrosodiphenylamine	0.643	0.670	-4.2	64	0.00
67		4-Bromophenyl-phenylether	0.255	0.251	1.6	58	0.00
68		Hexachlorobenzene	0.301	0.291	3.3	59	0.00
69		Atrazine	0.205	0.202	1.5	60	0.00
70	C	Pentachlorophenol	0.150	0.143	4.7	56	-0.01
71		Phenanthrene	0.996	0.999	-0.3	61	0.00
72		Anthracene	1.013	1.003	1.0	60	0.00
73		Carbazole	0.861	0.868	-0.8	61	0.00
74		Di-n-butylphthalate	1.041	1.114	-7.0	64	0.00
75	C	Fluoranthene	1.029	0.955	7.2	56	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	50#	0.00
77		Benzidine	0.592	0.695	-17.4	55	-0.01
78		Pyrene	1.613	1.845	-14.4	54	0.00
79	S	Terphenyl-d14	1.259	1.396	-10.9	53	0.00
80		Butylbenzylphthalate	0.559	0.668	-19.5	56	0.00
81		Benzo(a)anthracene	1.386	1.449	-4.5	50	0.00
82		3,3'-Dichlorobenzidine	0.475	0.478	-0.6	49#	-0.01
83		Chrysene	1.280	1.344	-5.0	48#	0.00
84		Bis(2-ethylhexyl)phthalate	0.765	0.854	-11.6	52	0.00
85	c	Di-n-octyl phthalate	1.320	1.345	-1.9	47#	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	50	-0.01
87		Indeno(1,2,3-cd)pyrene	1.436	1.426	0.7	48#	0.00
88		Benzo(b)fluoranthene	1.137	1.195	-5.1	49#	0.00
89		Benzo(k)fluoranthene	1.064	1.078	-1.3	52	0.00
90	C	Benzo(a)pyrene	1.049	1.092	-4.1	51	0.00
91		Dibenzo(a,h)anthracene	1.153	1.144	0.8	48#	0.00
92		Benzo(g,h,i)perylene	1.139	1.116	2.0	47#	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111225\
Data File : BF144230.D
Acq On : 12 Nov 2025 15:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 12 16:52:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

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

Sample Results: **BF144230.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111225\
Data File : BF144230.D
Acq On : 12 Nov 2025 15:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 12 16:52:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	63	0.00
2		1,4-Dioxane	40.000	47.848	-19.6	72	0.00
3		Pyridine	40.000	50.064	-25.2#	77	-0.02
4		n-Nitrosodimethylamine	40.000	45.622	-14.1	72	0.00
5	S	2-Fluorophenol	80.000	86.010	-7.5	66	0.00
6		Aniline	40.000	44.844	-12.1	71	0.00
7	S	Phenol-d6	80.000	85.853	-7.3	68	0.00
8		2-Chlorophenol	40.000	42.921	-7.3	67	0.00
9		Benzaldehyde	40.000	60.782	-52.0#	97	0.00
10	C	Phenol	40.000	44.117	-10.3	67	0.00
11		bis(2-Chloroethyl)ether	40.000	45.376	-13.4	70	0.00
12		1,3-Dichlorobenzene	40.000	41.468	-3.7	66	0.00
13	C	1,4-Dichlorobenzene	40.000	40.790	-2.0	63	0.00
14		1,2-Dichlorobenzene	40.000	41.034	-2.6	65	0.00
15		Benzyl Alcohol	40.000	43.115	-7.8	68	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	50.305	-25.8#	78	0.00
17		2-Methylphenol	40.000	43.166	-7.9	66	0.00
18		Hexachloroethane	40.000	41.522	-3.8	64	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.878	-4.7	67	0.00
20		3+4-Methylphenols	40.000	40.317	-0.8	62	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	67	0.00
22		Acetophenone	40.000	37.543	6.1	62	0.00
23	S	Nitrobenzene-d5	80.000	81.406	-1.8	66	0.00
24		Nitrobenzene	40.000	41.610	-4.0	68	0.00
25		Isophorone	40.000	42.787	-7.0	70	0.00
26	C	2-Nitrophenol	40.000	42.672	-6.7	68	0.00
27		2,4-Dimethylphenol	40.000	42.228	-5.6	66	0.00
28		bis(2-Chloroethoxy)methane	40.000	42.244	-5.6	68	0.00
29	C	2,4-Dichlorophenol	40.000	38.909	2.7	63	0.00
30		1,2,4-Trichlorobenzene	40.000	37.807	5.5	62	0.00
31		Naphthalene	40.000	38.976	2.6	64	0.00
32		Benzoic acid	40.000	39.688	0.8	76	-0.04
33		4-Chloroaniline	40.000	40.768	-1.9	65	0.00
34	C	Hexachlorobutadiene	40.000	35.210	12.0	57	0.00
35		Caprolactam	40.000	45.681	-14.2	73	-0.02
36	C	4-Chloro-3-methylphenol	40.000	40.413	-1.0	66	0.00
37		2-Methylnaphthalene	40.000	39.350	1.6	65	0.00
38		1-Methylnaphthalene	40.000	38.162	4.6	63	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	64	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	37.852	5.4	59	0.00
41	P	Hexachlorocyclopentadiene	40.000	44.100	-10.3	73	-0.01
42	S	2,4,6-Tribromophenol	80.000	72.217	9.7	55	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.450	1.4	62	0.00
44		2,4,5-Trichlorophenol	40.000	39.606	1.0	63	0.00
45	S	2-Fluorobiphenyl	80.000	74.122	7.3	60	0.00
46		1,1'-Biphenyl	40.000	39.351	1.6	63	0.00
47		2-Chloronaphthalene	40.000	38.807	3.0	62	0.00

Sample Results: **BF144230.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111225\
Data File : BF144230.D
Acq On : 12 Nov 2025 15:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 12 16:52:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	44.849	-12.1	69	0.00
49		Acenaphthylene	40.000	40.284	-0.7	64	0.00
50		Dimethylphthalate	40.000	41.518	-3.8	66	0.00
51		2,6-Dinitrotoluene	40.000	43.011	-7.5	67	0.00
52	C	Acenaphthene	40.000	38.914	2.7	62	0.00
53		3-Nitroaniline	40.000	44.564	-11.4	67	0.00
54	P	2,4-Dinitrophenol	40.000	31.732	20.7	59	-0.01
55		Dibenzofuran	40.000	38.731	3.2	61	0.00
56	P	4-Nitrophenol	40.000	40.218	-0.5	67	-0.01
57		2,4-Dinitrotoluene	40.000	42.832	-7.1	64	0.00
58		Fluorene	40.000	38.641	3.4	61	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	38.986	2.5	60	0.00
60		Diethylphthalate	40.000	40.969	-2.4	64	0.00
61		4-Chlorophenyl-phenylether	40.000	37.500	6.3	58	0.00
62		4-Nitroaniline	40.000	43.609	-9.0	68	0.00
63		Azobenzene	40.000	42.964	-7.4	67	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	61	0.00
65		4,6-Dinitro-2-methylphenol	40.000	36.252	9.4	58	-0.01
66	c	n-Nitrosodiphenylamine	40.000	41.655	-4.1	64	0.00
67		4-Bromophenyl-phenylether	40.000	39.269	1.8	58	0.00
68		Hexachlorobenzene	40.000	38.667	3.3	59	0.00
69		Atrazine	40.000	39.528	1.2	60	0.00
70	C	Pentachlorophenol	40.000	38.070	4.8	56	-0.01
71		Phenanthrene	40.000	40.149	-0.4	61	0.00
72		Anthracene	40.000	39.614	1.0	60	0.00
73		Carbazole	40.000	40.333	-0.8	61	0.00
74		Di-n-butylphthalate	40.000	42.796	-7.0	64	0.00
75	C	Fluoranthene	40.000	37.133	7.2	56	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	50	0.00
77		Benzidine	40.000	46.994	-17.5	55	-0.01
78		Pyrene	40.000	45.772	-14.4	54	0.00
79	S	Terphenyl-d14	80.000	88.701	-10.9	53	0.00
80		Butylbenzylphthalate	40.000	47.838	-19.6	56	0.00
81		Benzo(a)anthracene	40.000	41.806	-4.5	50	0.00
82		3,3'-Dichlorobenzidine	40.000	40.257	-0.6	49	-0.01
83		Chrysene	40.000	42.004	-5.0	48	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	44.644	-11.6	52	0.00
85	c	Di-n-octyl phthalate	40.000	40.759	-1.9	47	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	50	-0.01
87		Indeno(1,2,3-cd)pyrene	40.000	39.742	0.6	48	0.00
88		Benzo(b)fluoranthene	40.000	42.025	-5.1	49	0.00
89		Benzo(k)fluoranthene	40.000	40.517	-1.3	52	0.00
90	C	Benzo(a)pyrene	40.000	41.654	-4.1	51	0.00
91		Dibenzo(a,h)anthracene	40.000	39.696	0.8	48	0.00
92		Benzo(g,h,i)perylene	40.000	39.220	2.0	47	-0.01

Sample Results: **BF144230.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111225\
Data File : BF144230.D
Acq On : 12 Nov 2025 15:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 12 16:52:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

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

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

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

QC SAMPLE DATA

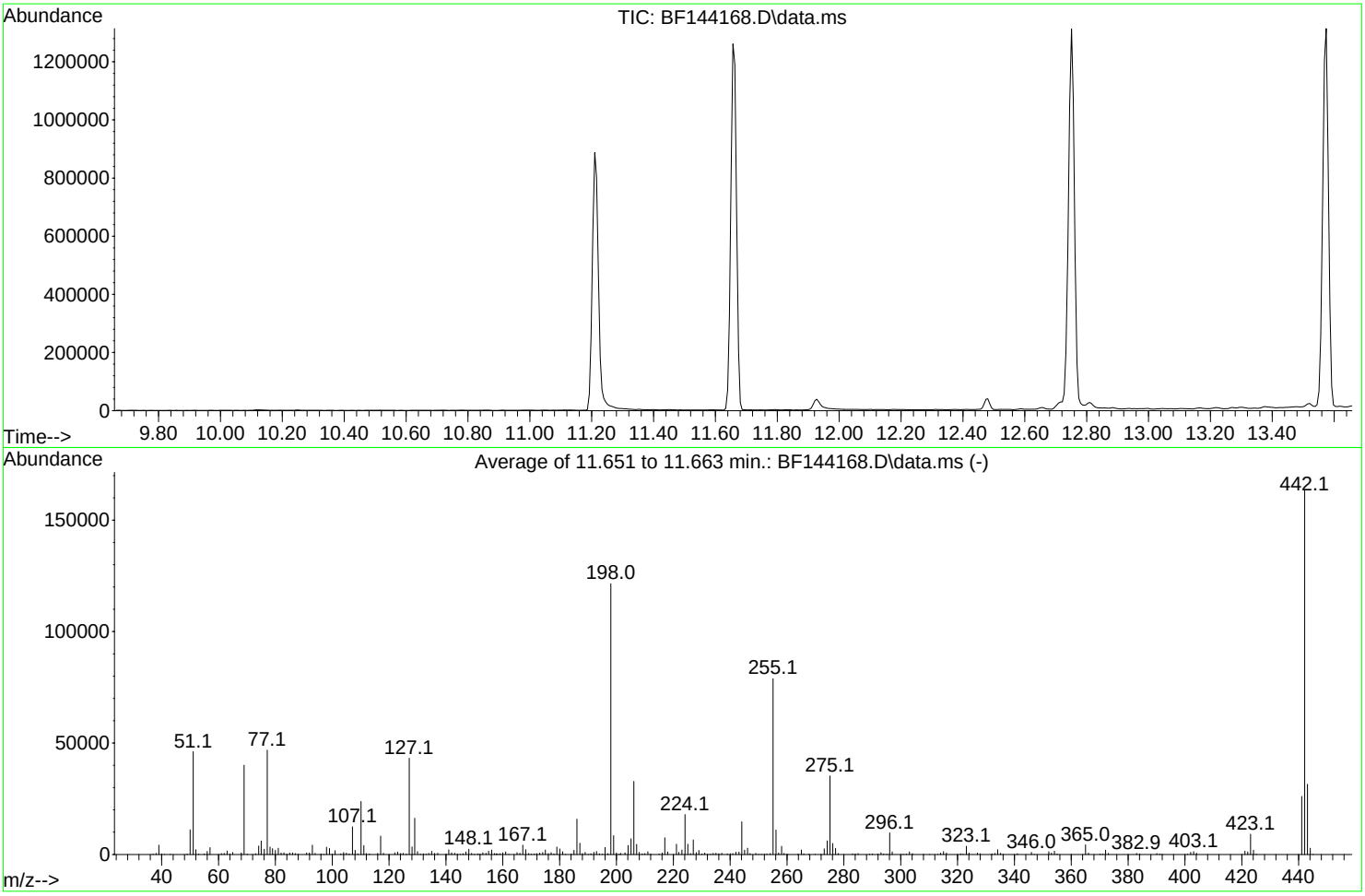
Sample Results: **BF144168.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144168.D
Acq On : 05 Nov 2025 12:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 05 18:37:33 2025



AutoFind: Scans 1608, 1609, 1610; Background Corrected with Scan 1602

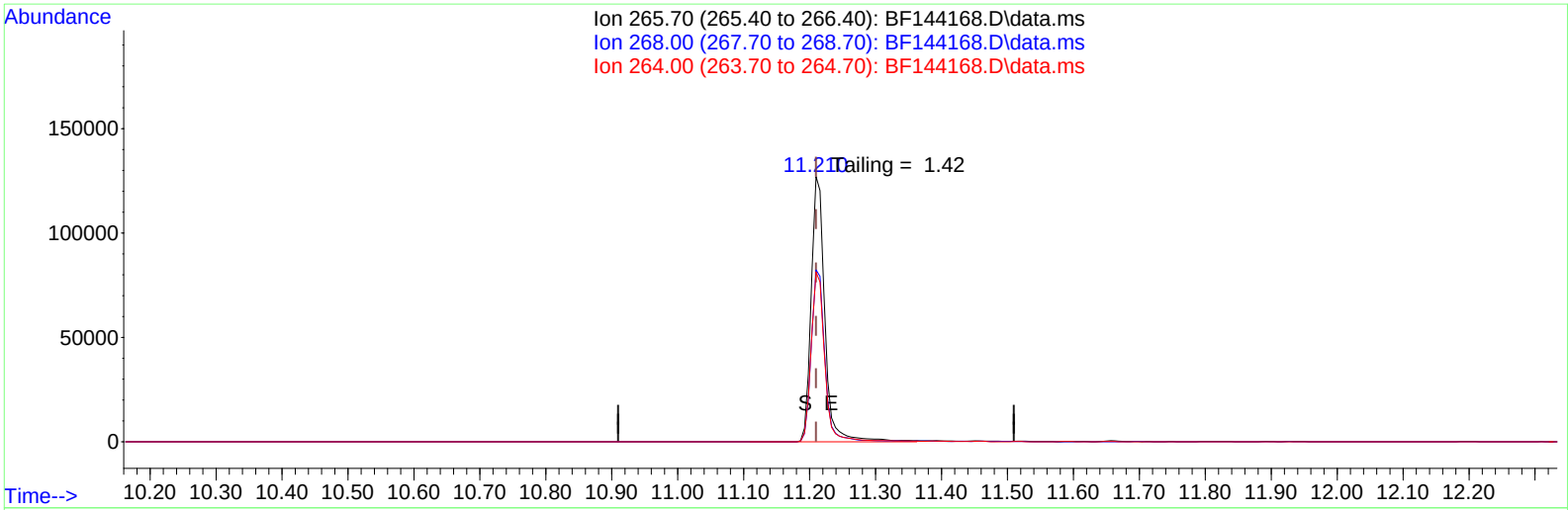
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	709	PASS
69	69	100	100	100.0	40048	PASS
70	69	0.00	2	0.6	222	PASS
197	198	0.00	2	0.3	378	PASS
198	198	100	100	100.0	121493	PASS
199	198	5	9	6.9	8441	PASS
365	198	1	100	3.6	4315	PASS
441	443	0.01	150	82.6	26027	PASS
442	442	100	100	100.0	163299	PASS
443	442	15	24	19.3	31501	PASS

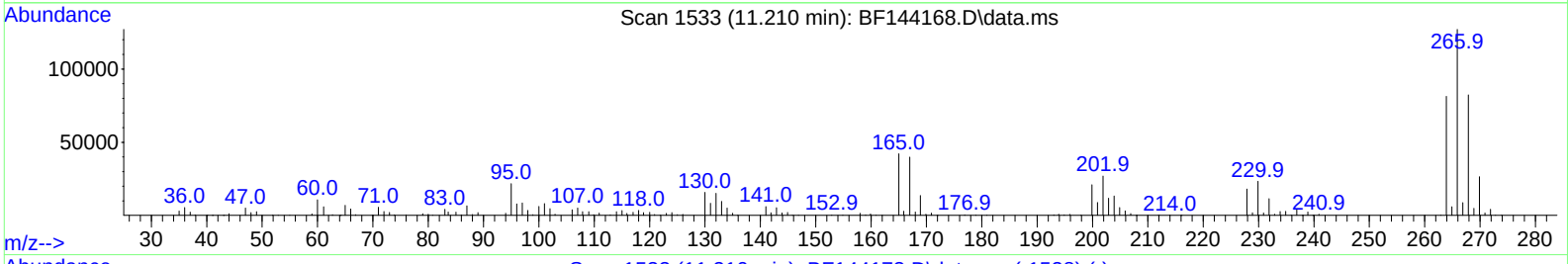
Sample Results: **BF144168.D**

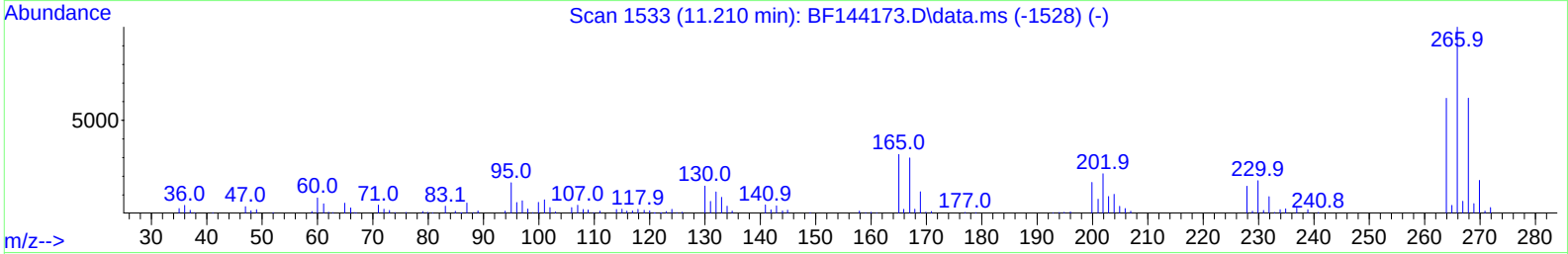
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144168.D
Acq On : 05 Nov 2025 12:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 05 15:24:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 15:17:46 2025
Response via : Initial Calibration







TIC: BF144168.D\data.ms

(70) Pentachlorophenol (C)

11.210min (-0.000) 39632.00 ng

response 182948

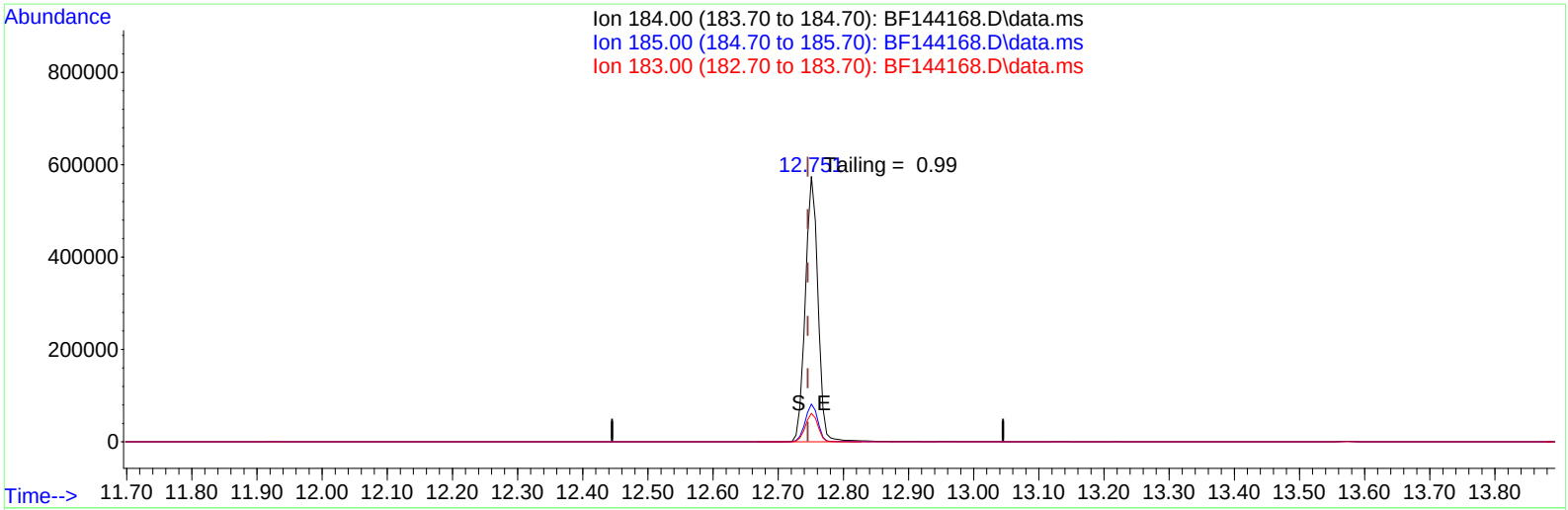
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.90	64.79
264.00	61.80	64.01
0.00	0.00	0.00

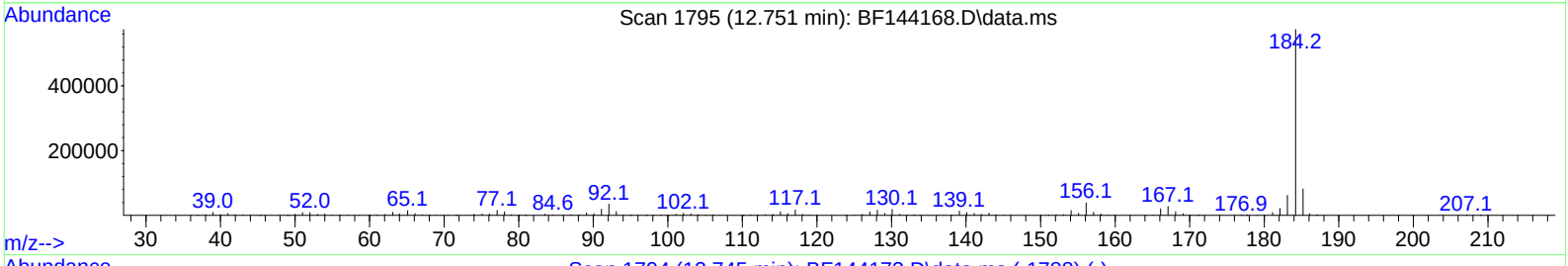
Sample Results: **BF144168.D**

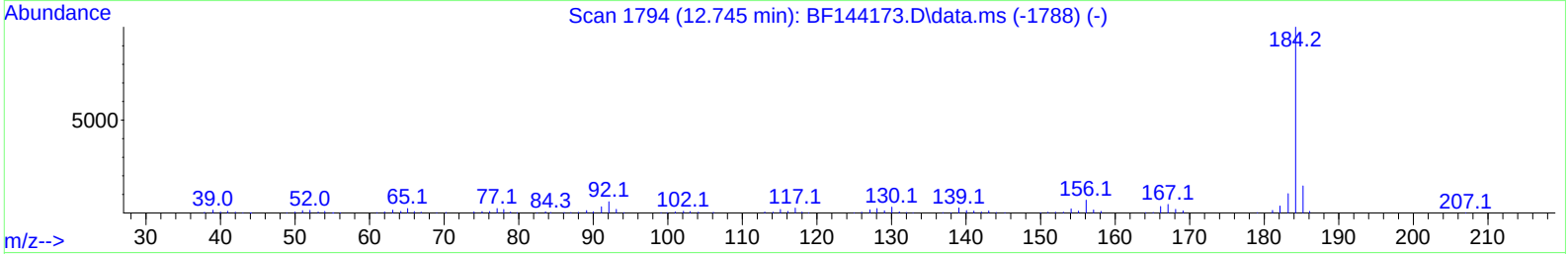
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144168.D
Acq On : 05 Nov 2025 12:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 05 15:24:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 15:17:46 2025
Response via : Initial Calibration







TIC: BF144168.D\data.ms

(77) Benzidine

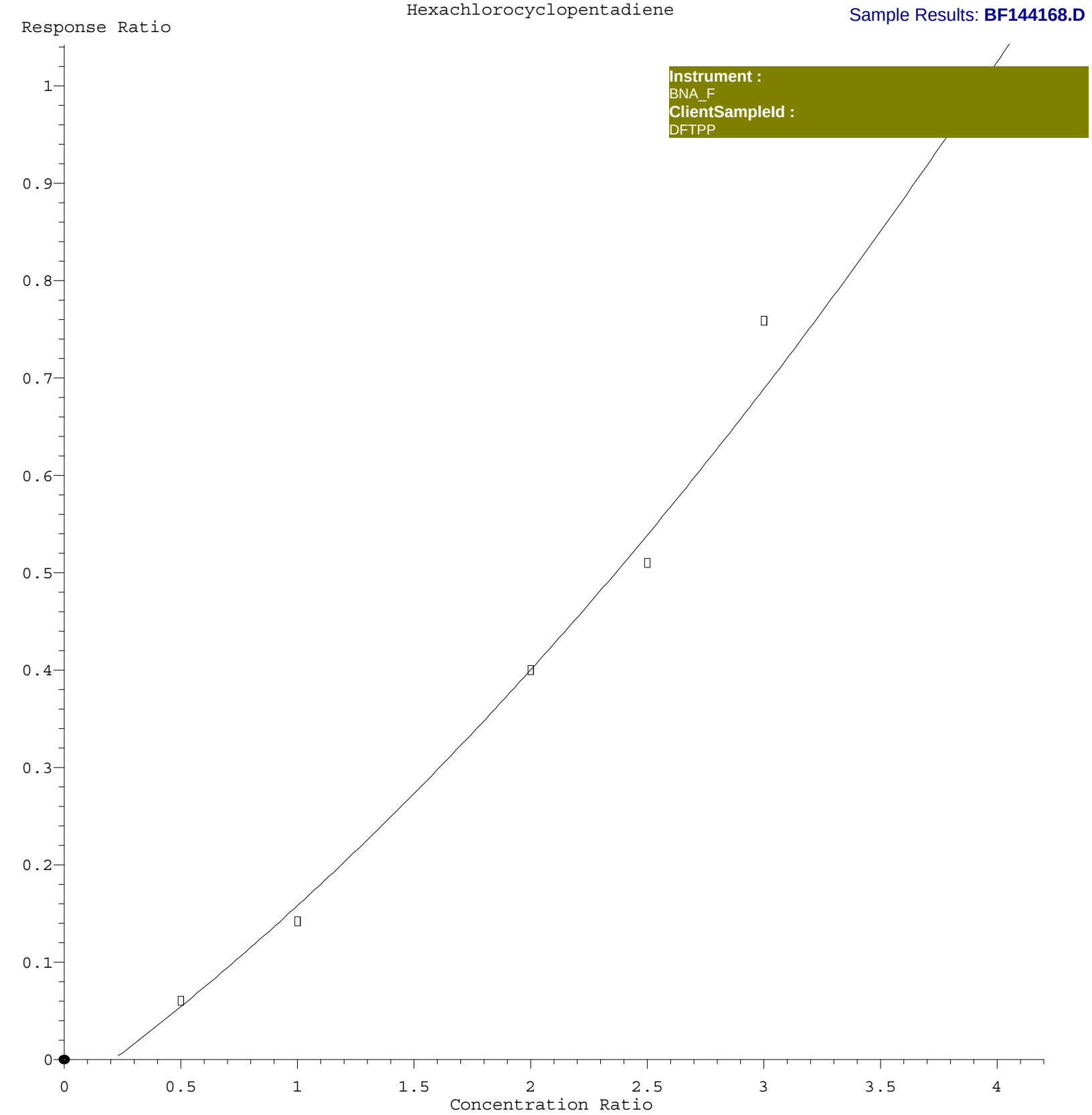
12.751min (+ 0.006) 0.00 ng

response 777212

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.60	14.24
183.00	10.40	10.75
0.00	0.00	0.00

Hexachlorocyclopentadiene

Sample Results: **BF144168.D**



R = 2.331e-002 A*A + 1.722e-001 A - 3.751e-002
Coef of Det (r^2) = 0.992660 Curve Fit: Quadratic w(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF110525.M
Calibration Table Last Updated: Wed Nov 05 18:37:33 2025

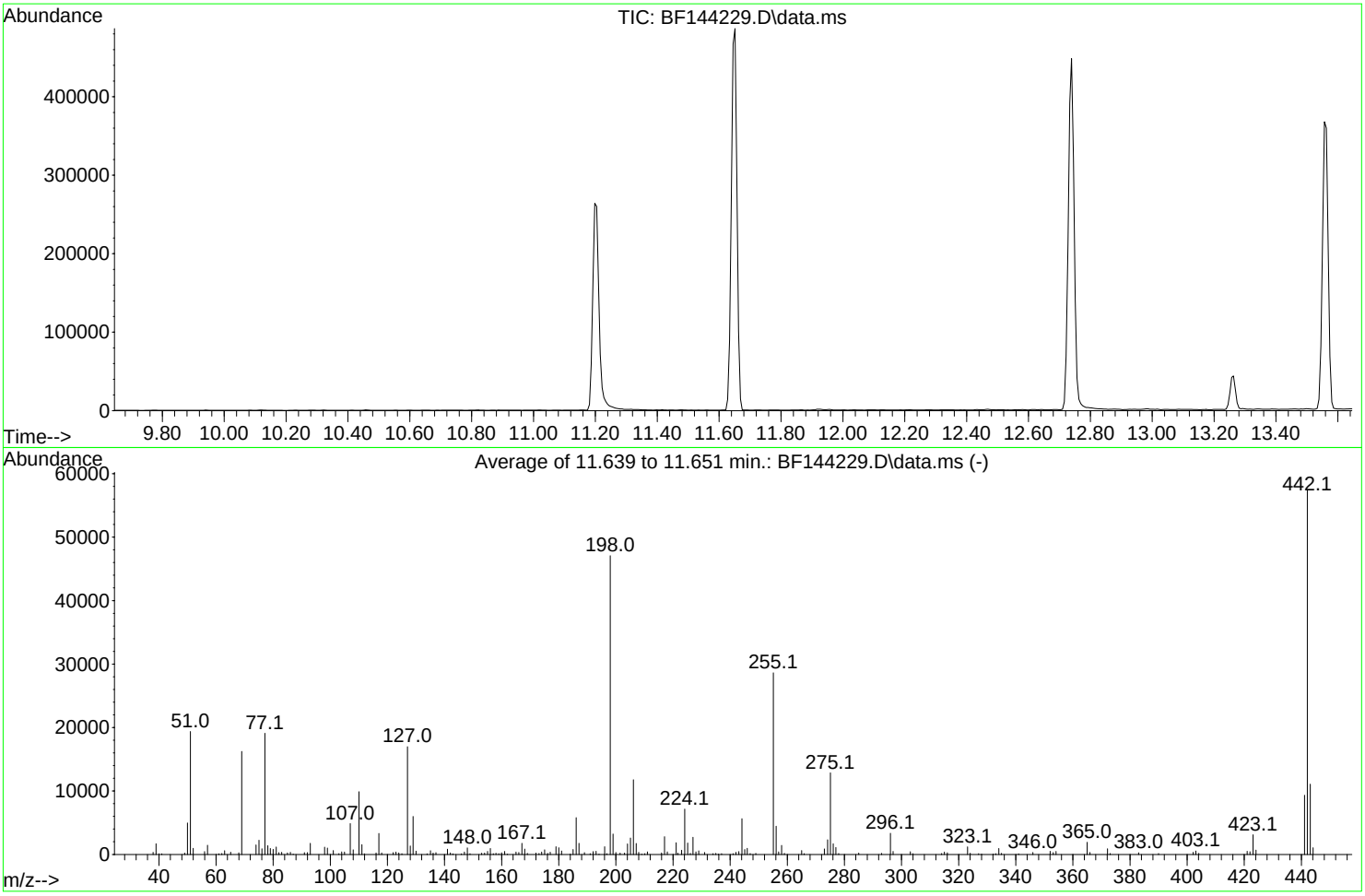
Sample Results: **BF144229.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111225\
Data File : BF144229.D
Acq On : 12 Nov 2025 15:22
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 05 18:37:33 2025



AutoFind: Scans 1606, 1607, 1608; Background Corrected with Scan 1600

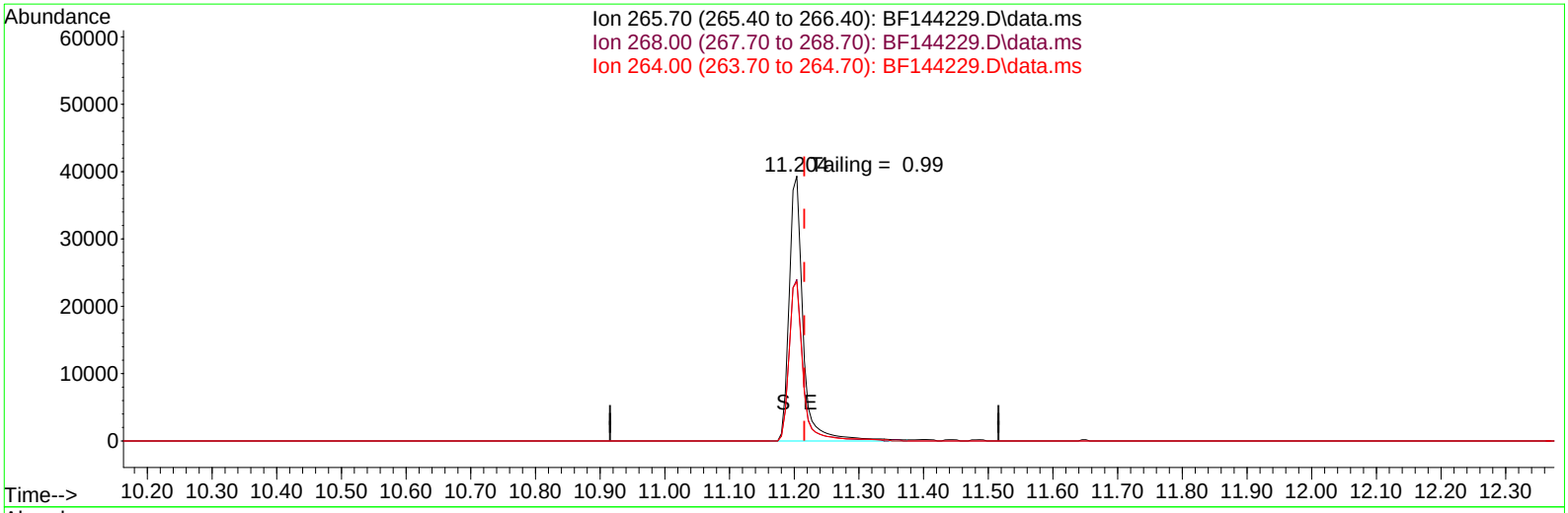
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	260	PASS
69	69	100	100	100.0	16235	PASS
70	69	0.00	2	0.0	0	PASS
197	198	0.00	2	0.3	118	PASS
198	198	100	100	100.0	47075	PASS
199	198	5	9	6.8	3220	PASS
365	198	1	100	4.1	1919	PASS
441	443	0.01	150	84.3	9336	PASS
442	442	100	100	100.0	57352	PASS
443	442	15	24	19.3	11069	PASS

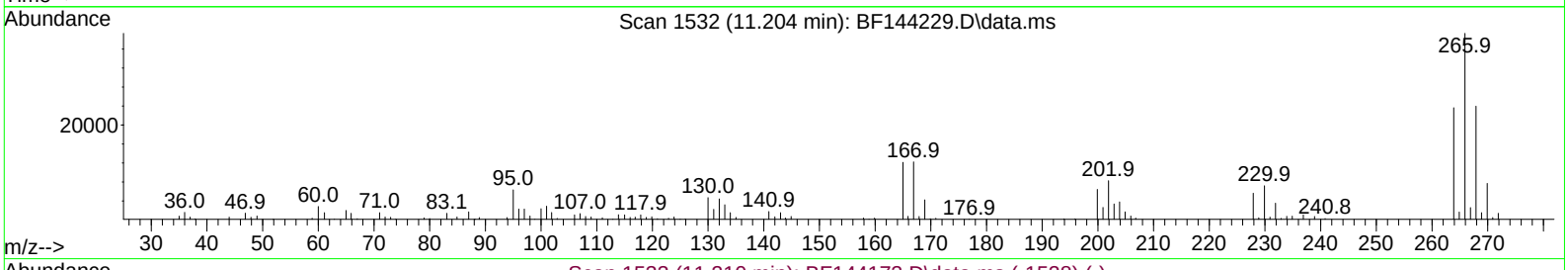
Sample Results: **BF144229.D**

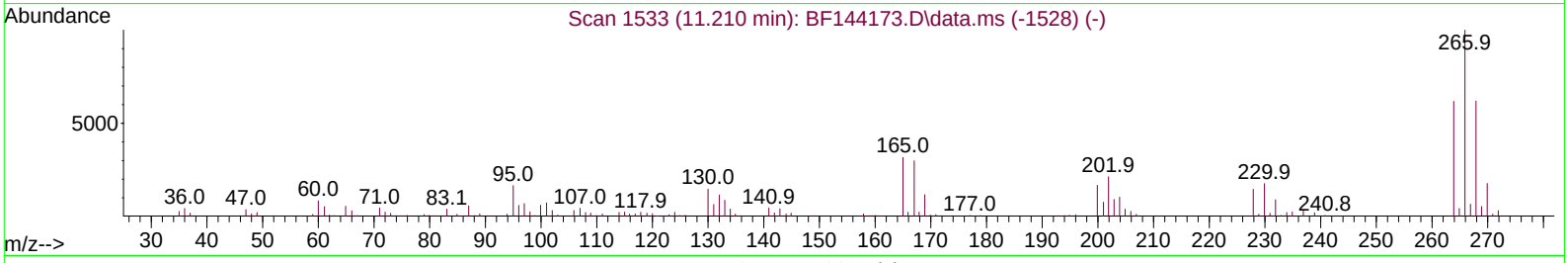
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111225\
Data File : BF144229.D
Acq On : 12 Nov 2025 15:22
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 12 18:08:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration







TIC: BF144229.D\data.ms

(70) Pentachlorophenol (C)

11.204min (-0.012) 67347.02 ng

response 58991

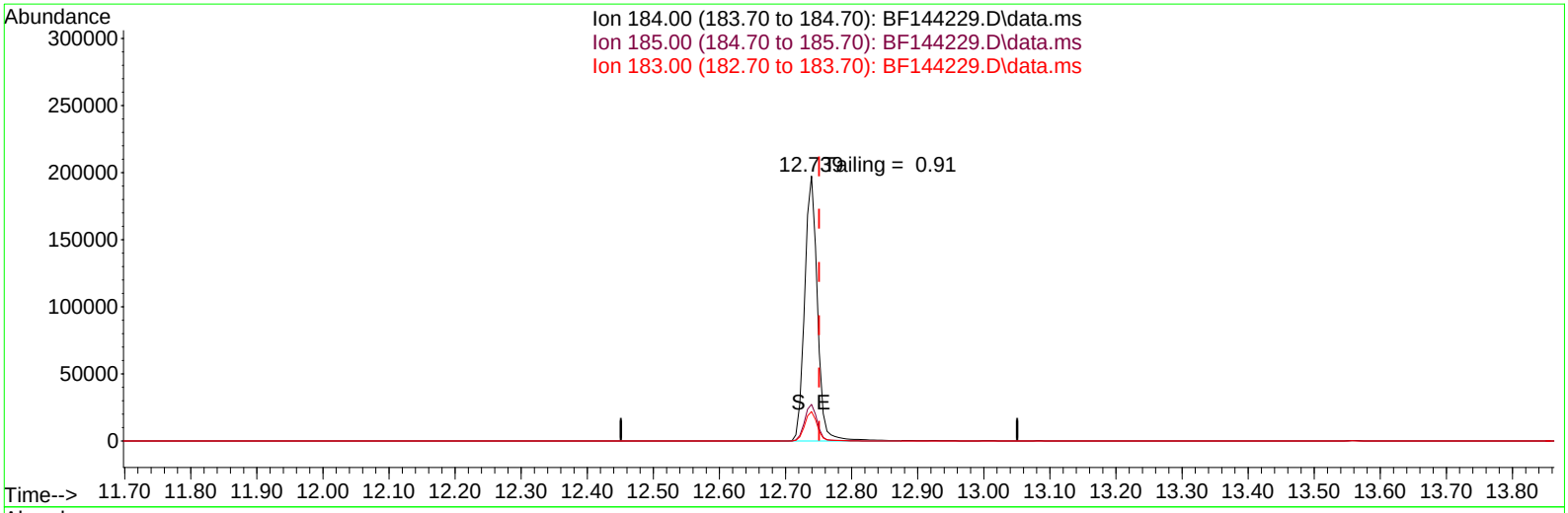
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.90	60.96
264.00	61.80	60.11
0.00	0.00	0.00

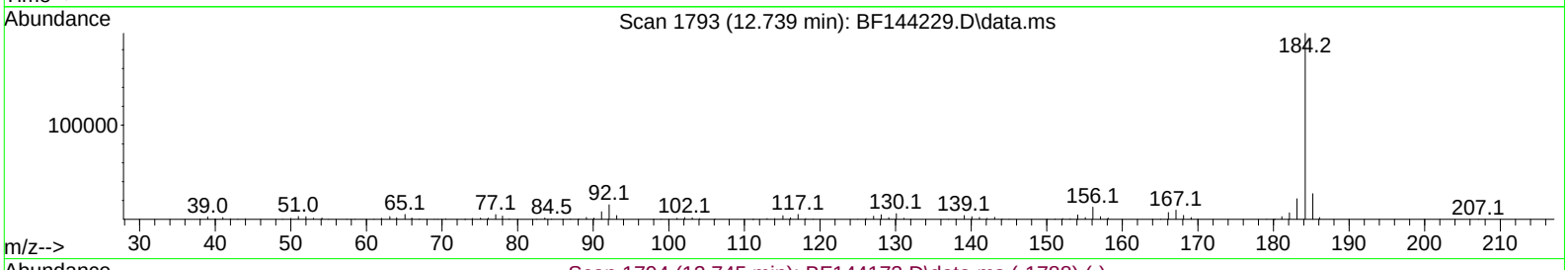
Sample Results: **BF144229.D**

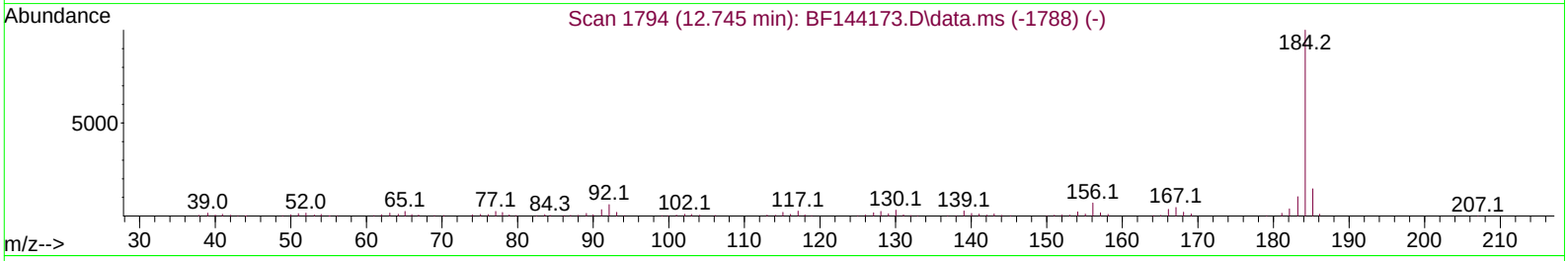
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111225\
Data File : BF144229.D
Acq On : 12 Nov 2025 15:22
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 12 18:08:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration







TIC: BF144229.D\data.ms

(77) Benzidine

12.739min (-0.012) 0.00 ng

response 264673

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.60	13.85
183.00	10.40	11.10
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/12/2025	BNA_F	BF144229.D
Compound Name	**Response**	**Retention Time**
DDT	104834	13.563
DDD		13.274
DDE	114	12.933
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
114	104948	0.11

Instrument :
BNA_F
ClientSampleId :
DFTPP

Raw Data: **BF144235.D**

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

Report of Analysis

Client:	Roman E&G Corp			Date Collected:	
Project:	MCUA - New Brunswick			Date Received:	
Client Sample ID:	PB170515BL			SDG No.:	Q3604
Lab Sample ID:	PB170515BL			Matrix:	TCLP
Analytical Method:	8270E	Level:	LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	1000 uL	Test:	TCLP BNA
Prep Method :	3510C	Prep Date:	11/12/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
110-86-1	Pyridine	1.30	U	1	1.30	5.00	ug/L	11/12/25 18:20	PB170515
106-46-7	1,4-Dichlorobenzene	0.53	U	1	0.53	5.00	ug/L	11/12/25 18:20	PB170515
95-48-7	2-Methylphenol	1.10	U	1	1.10	5.00	ug/L	11/12/25 18:20	PB170515
65794-96-9	3+4-Methylphenols	1.10	U	1	1.10	10.0	ug/L	11/12/25 18:20	PB170515
67-72-1	Hexachloroethane	0.65	U	1	0.65	5.00	ug/L	11/12/25 18:20	PB170515
98-95-3	Nitrobenzene	0.76	U	1	0.76	5.00	ug/L	11/12/25 18:20	PB170515
87-68-3	Hexachlorobutadiene	0.54	U	1	0.54	5.00	ug/L	11/12/25 18:20	PB170515
88-06-2	2,4,6-Trichlorophenol	0.51	U	1	0.51	5.00	ug/L	11/12/25 18:20	PB170515
95-95-4	2,4,5-Trichlorophenol	0.62	U	1	0.62	5.00	ug/L	11/12/25 18:20	PB170515
121-14-2	2,4-Dinitrotoluene	1.20	U	1	1.20	5.00	ug/L	11/12/25 18:20	PB170515
118-74-1	Hexachlorobenzene	0.52	U	1	0.52	5.00	ug/L	11/12/25 18:20	PB170515
87-86-5	Pentachlorophenol	1.60	U	1	1.60	10.0	ug/L	11/12/25 18:20	PB170515
SURROGATES									
367-12-4	2-Fluorophenol	114			15 (10) - 110 (134)	76%	SPK: 150		
13127-88-3	Phenol-d6	116			15 (10) - 110 (135)	77%	SPK: 150		
4165-60-0	Nitrobenzene-d5	81.3			30 (39) - 130 (138)	81%	SPK: 100		
321-60-8	2-Fluorobiphenyl	73.1			30 (52) - 130 (132)	73%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	108			15 (44) - 110 (137)	72%	SPK: 150		
1718-51-0	Terphenyl-d14	88.8			30 (42) - 130 (152)	89%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	46100							
1146-65-2	Naphthalene-d8	180000							
15067-26-2	Acenaphthene-d10	103000							
1517-22-2	Phenanthrene-d10	172000							
1719-03-5	Chrysene-d12	92200							
1520-96-3	Perylene-d12	108000							

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_F\Data\BF111225\
Data File : BF144235.D
Acq On : 12 Nov 2025 18:20
Operator : RC/JU
Sample : PB170515BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170515BL

Quant Time: Nov 13 10:41:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

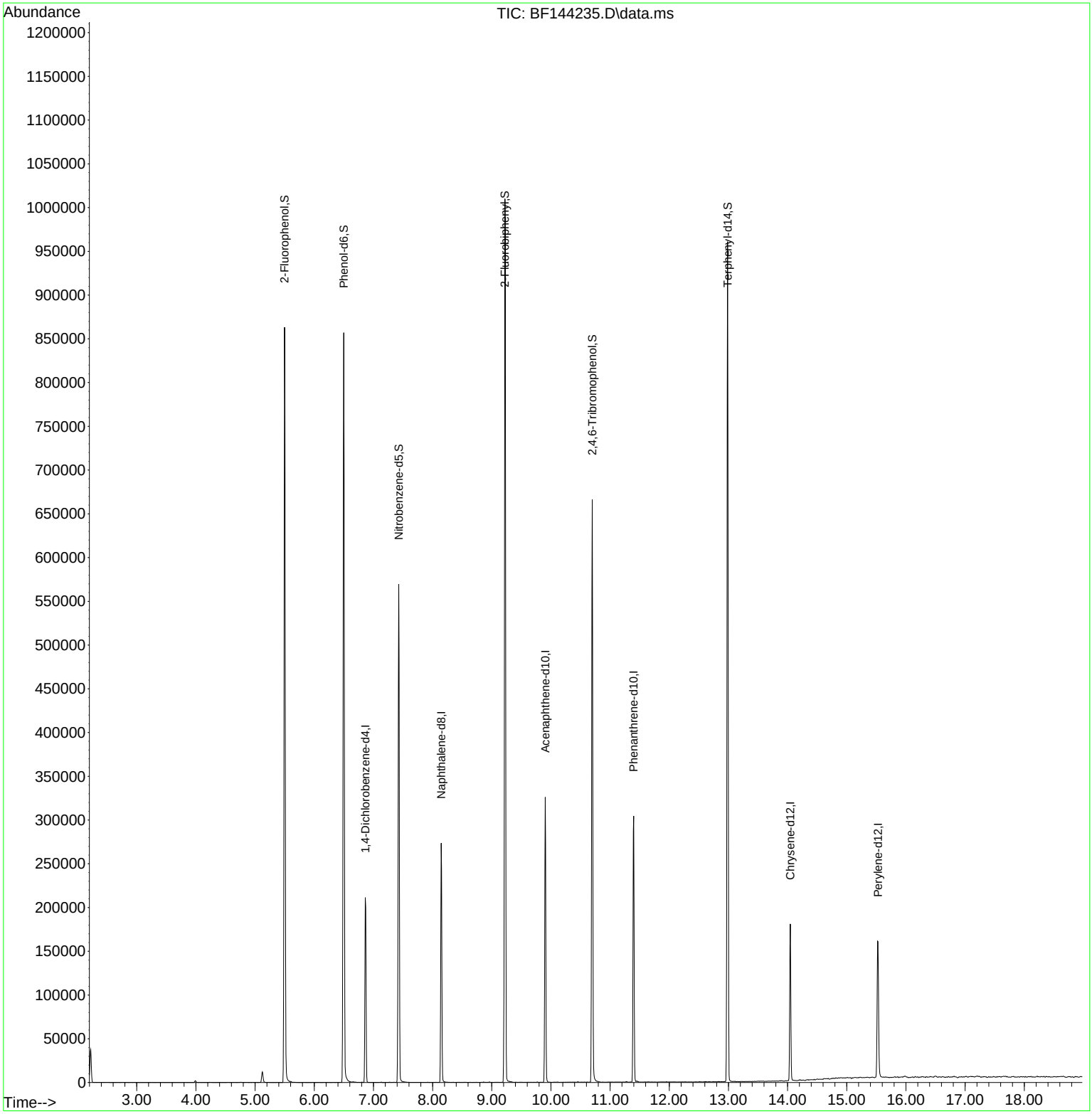
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	46055	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	180129	20.000	ng	#-0.01
39) Acenaphthene-d10	9.904	164	102582	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	172359	20.000	ng	0.00
76) Chrysene-d12	14.045	240	92202	20.000	ng	# 0.00
86) Perylene-d12	15.527	264	107660	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	334802	113.760	ng	0.00
7) Phenol-d6	6.498	99	387037	116.063	ng	0.00
23) Nitrobenzene-d5	7.428	82	253617	81.318	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	139591	108.438	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	507747	73.103	ng	0.00
79) Terphenyl-d14	12.986	244	515330	88.778	ng	0.00
Target Compounds						Qvalue

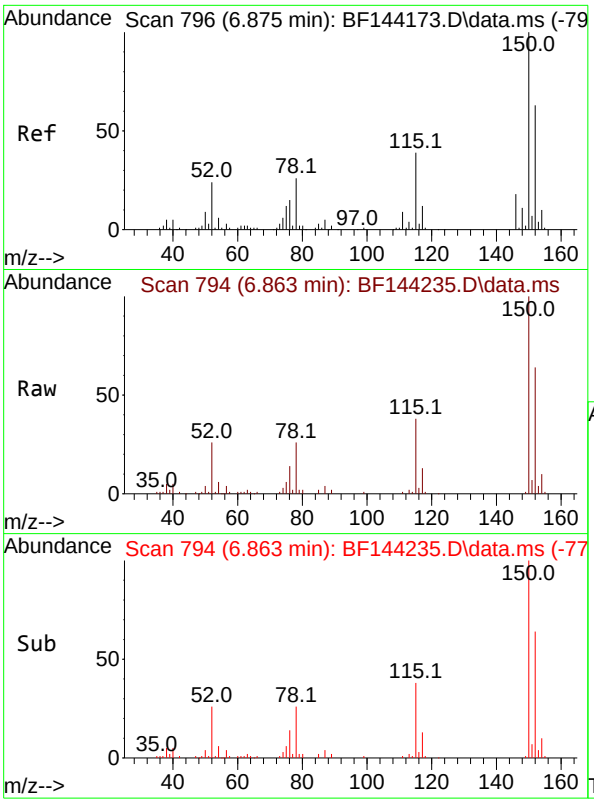
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111225\
Data File : BF144235.D
Acq On : 12 Nov 2025 18:20
Operator : RC/JU
Sample : PB170515BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170515BL

Quant Time: Nov 13 10:41:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration



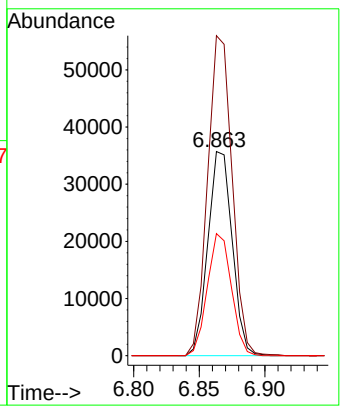


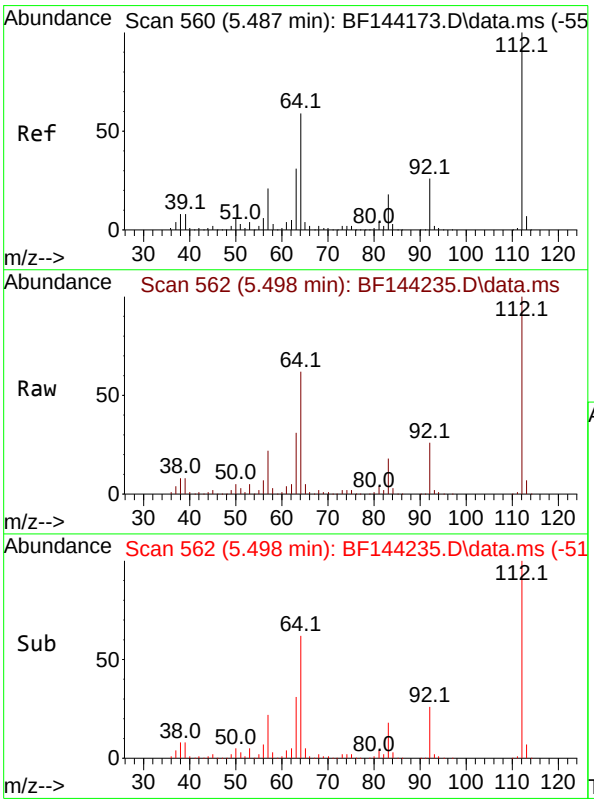
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF144235.D
Acq: 12 Nov 2025 18:20

Instrument :
BNA_F
ClientSampleId :
PB170515BL

Tgt Ion:152 Resp: 46055

Ion	Ratio	Lower	Upper
152	100		
150	156.8	127.4	191.0
115	59.8	49.5	74.3

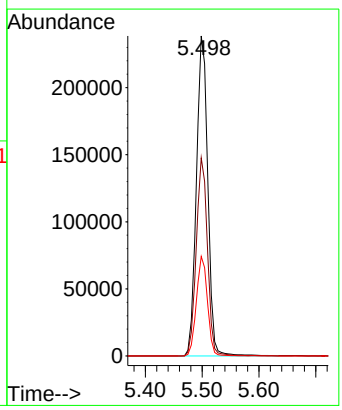


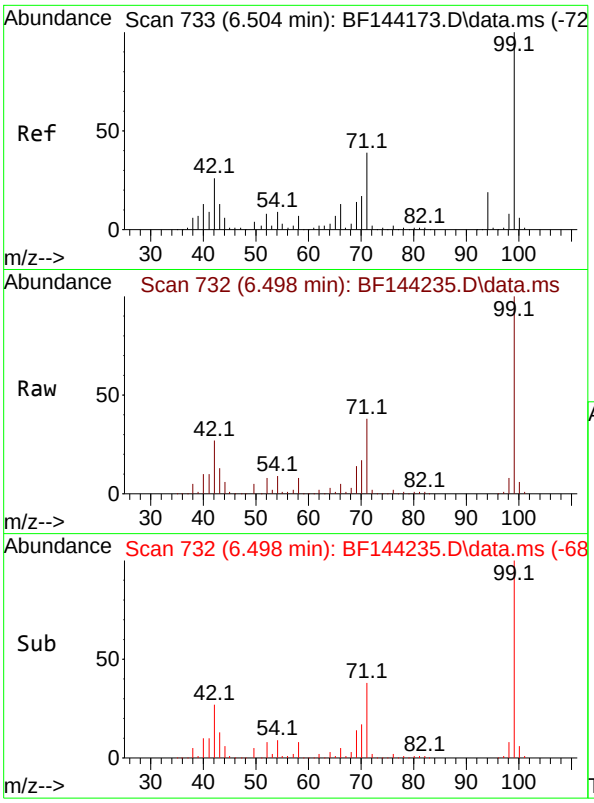


#5
2-Fluorophenol
Concen: 113.760 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF144235.D
Acq: 12 Nov 2025 18:20

Tgt Ion:112 Resp: 334802

Ion	Ratio	Lower	Upper
112	100		
64	61.9	47.2	70.8
63	31.1	24.4	36.6



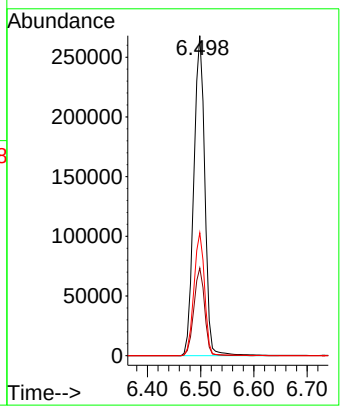


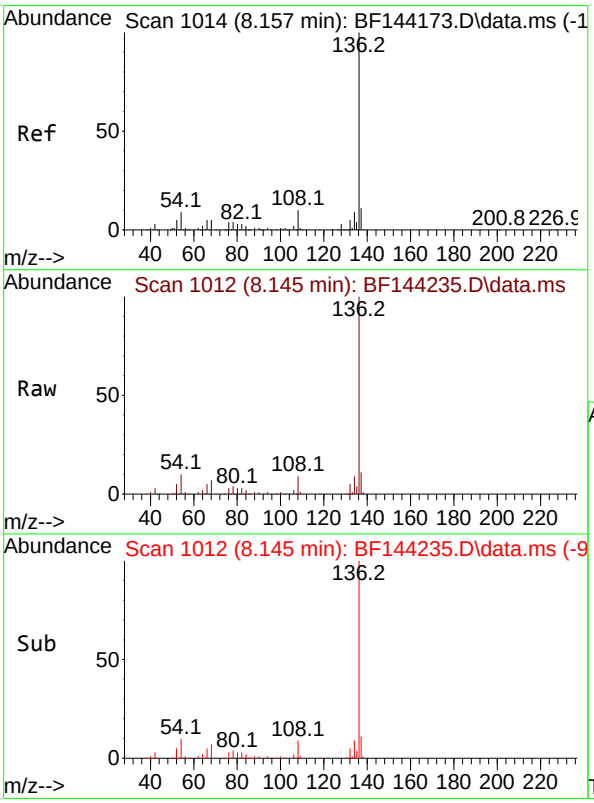
#7
Phenol-d6
Concen: 116.063 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144235.D
Acq: 12 Nov 2025 18:20

Instrument :
BNA_F
ClientSampleId :
PB170515BL

Tgt Ion: 99 Resp: 387037

Ion	Ratio	Lower	Upper
99	100		
42	27.4	20.9	31.3
71	38.4	31.4	47.2

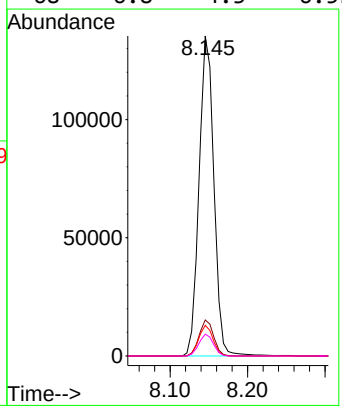


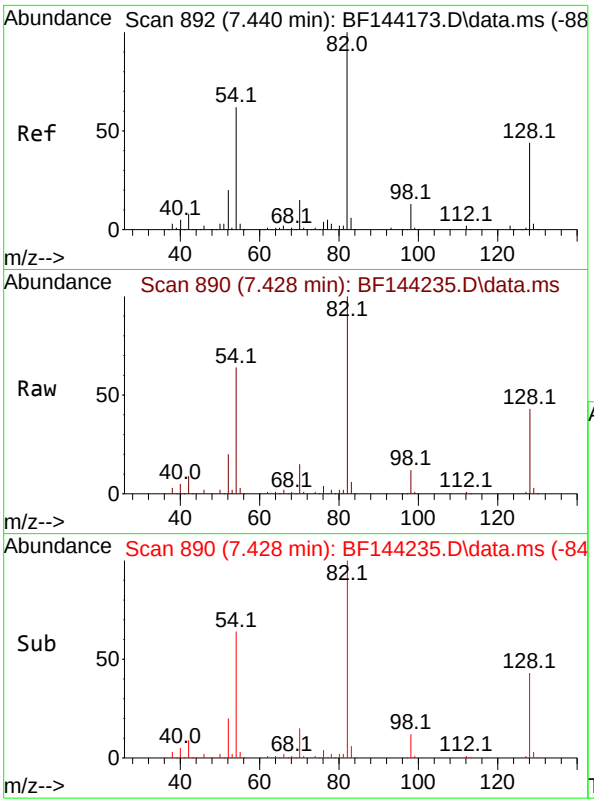


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144235.D
Acq: 12 Nov 2025 18:20

Tgt Ion:136 Resp: 180129

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	9.5	7.0	10.6
68	6.8	4.3	6.5#



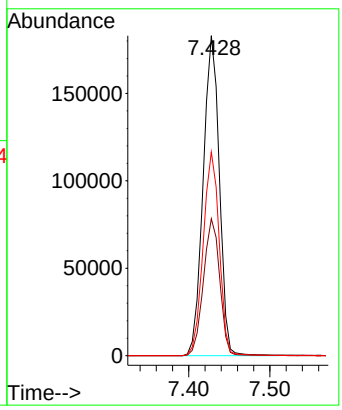


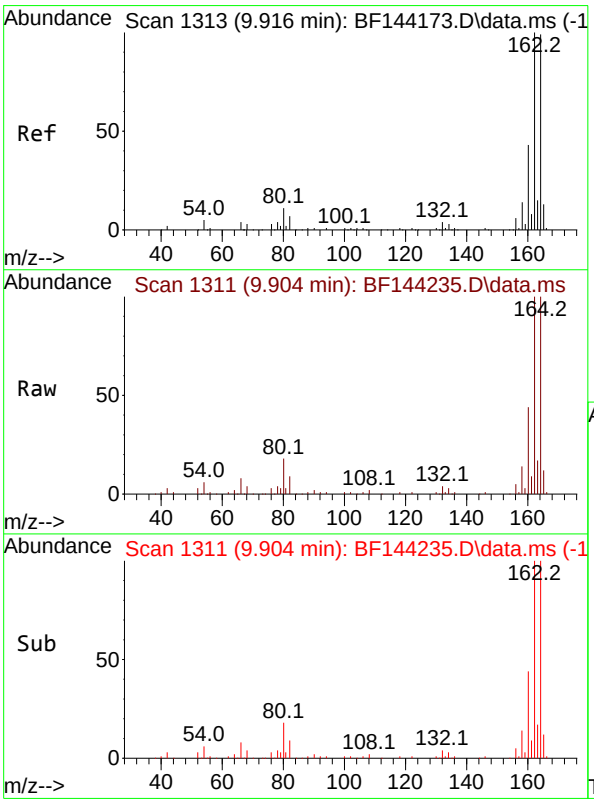
#23
Nitrobenzene-d5
Concen: 81.318 ng
RT: 7.428 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144235.D
Acq: 12 Nov 2025 18:20

Instrument :
BNA_F
ClientSampleId :
PB170515BL

Tgt Ion: 82 Resp: 253617

Ion	Ratio	Lower	Upper
82	100		
128	42.8	34.7	52.1
54	63.6	49.5	74.3

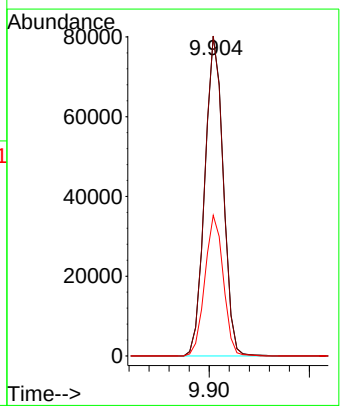


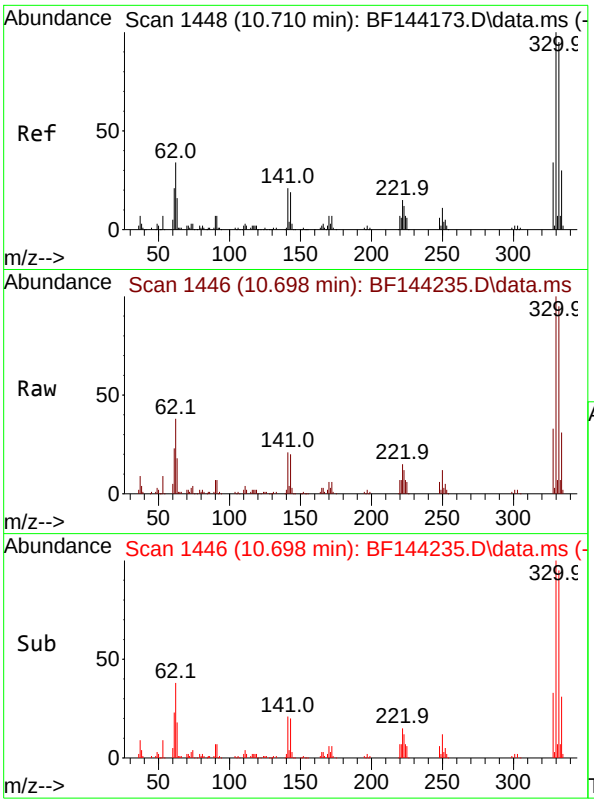


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144235.D
Acq: 12 Nov 2025 18:20

Tgt Ion:164 Resp: 102582

Ion	Ratio	Lower	Upper
164	100		
162	100.1	81.1	121.7
160	44.0	34.5	51.7



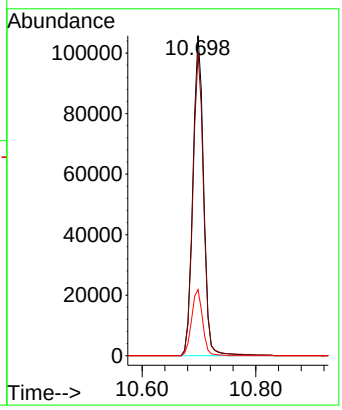


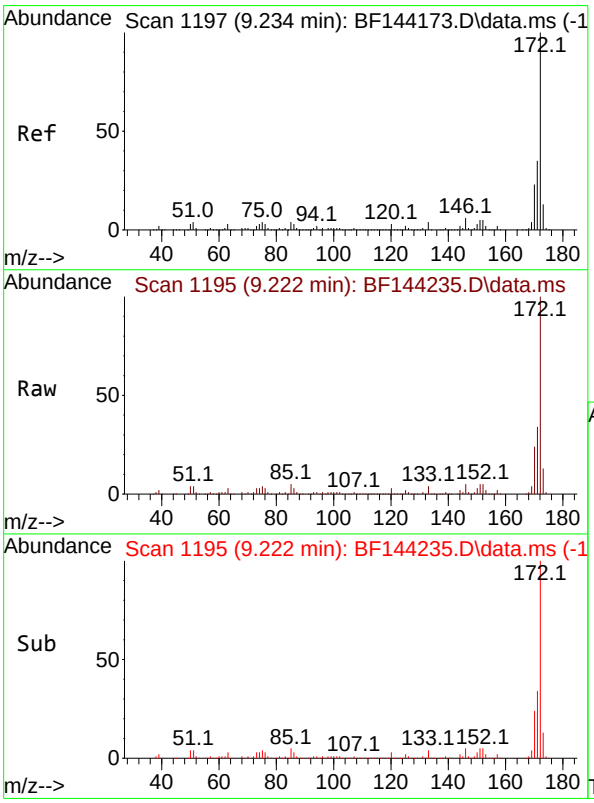
#42
2,4,6-Tribromophenol
Concen: 108.438 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144235.D
Acq: 12 Nov 2025 18:20

Instrument :
BNA_F
ClientSampleId :
PB170515BL

Tgt Ion:330 Resp: 139591

Ion	Ratio	Lower	Upper
330	100		
332	94.4	76.7	115.1
141	21.1	17.8	26.8

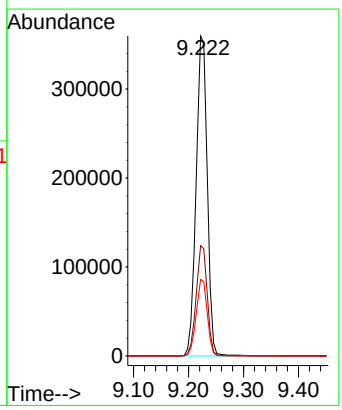


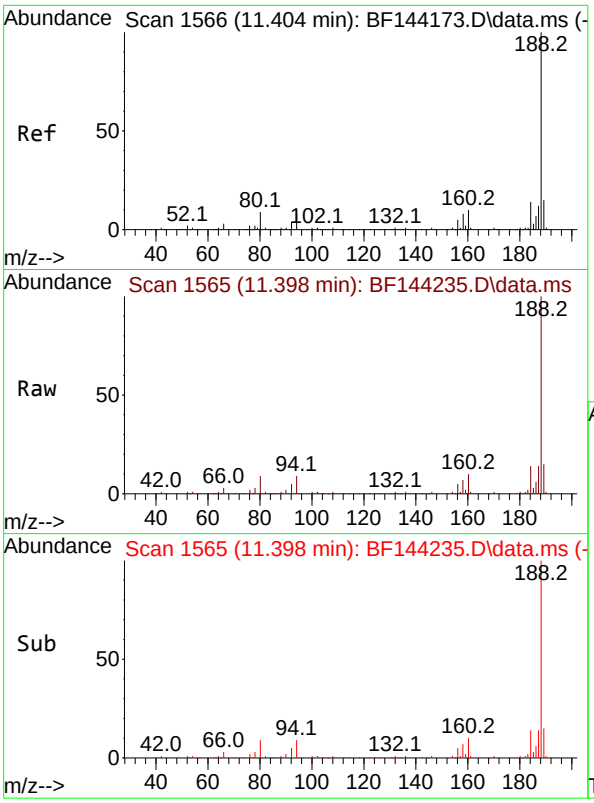


#45
2-Fluorobiphenyl
Concen: 73.103 ng
RT: 9.222 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF144235.D
Acq: 12 Nov 2025 18:20

Tgt Ion:172 Resp: 507747

Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.1	42.1
170	23.9	18.6	28.0



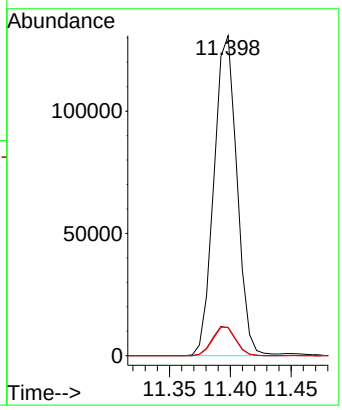


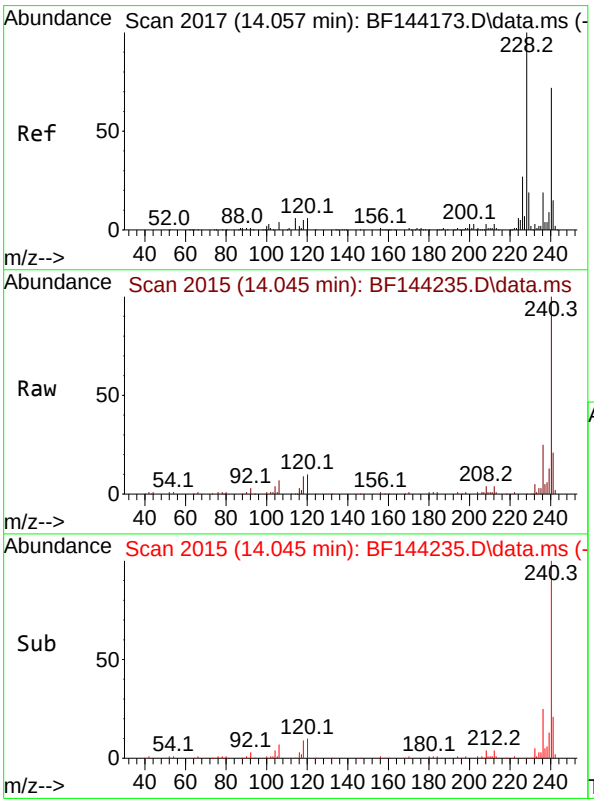
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144235.D
Acq: 12 Nov 2025 18:20

Instrument :
BNA_F
ClientSampleId :
PB170515BL

Tgt Ion:188 Resp: 172359

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.2	9.2
80	8.9	6.9	10.3

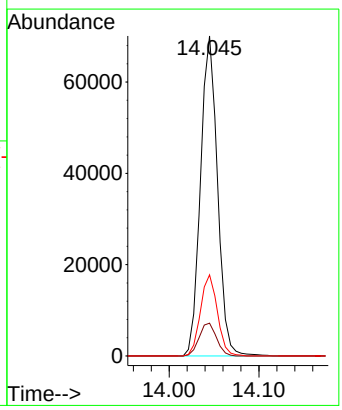


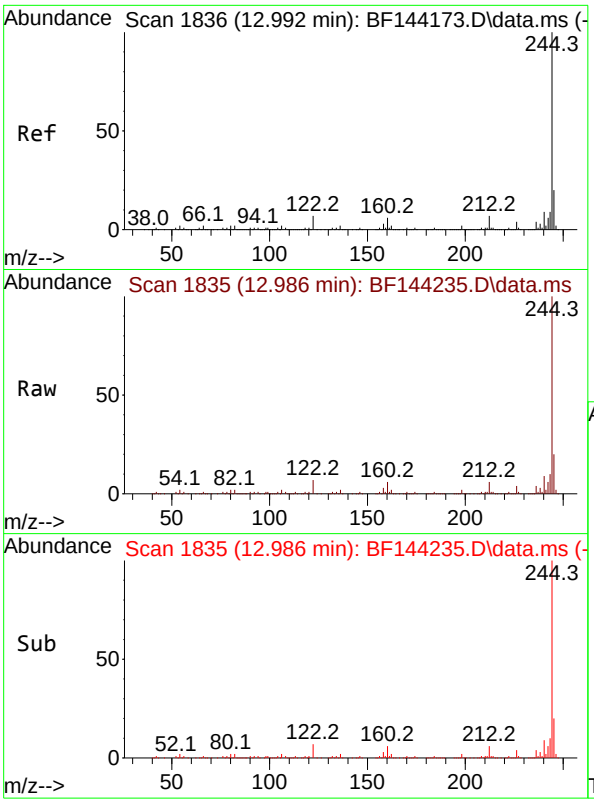


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144235.D
Acq: 12 Nov 2025 18:20

Tgt Ion:240 Resp: 92202

Ion	Ratio	Lower	Upper
240	100		
120	10.3	6.6	10.0#
236	25.4	21.4	32.2



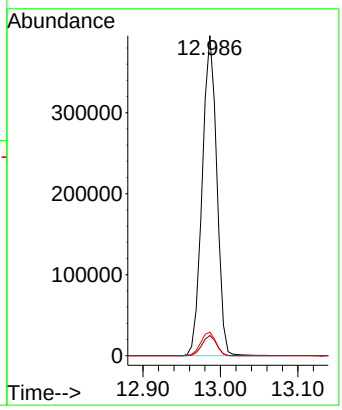


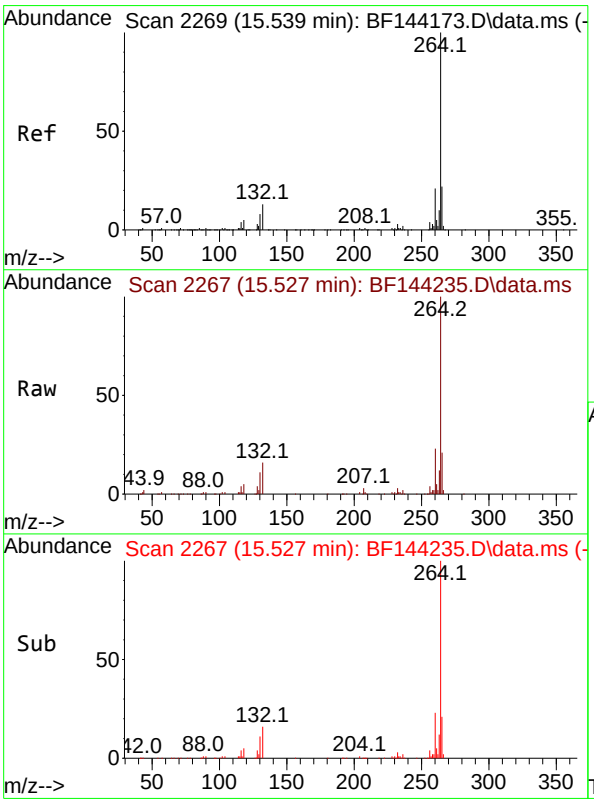
#79
Terphenyl-d14
Concen: 88.778 ng
RT: 12.986 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144235.D
Acq: 12 Nov 2025 18:20

Instrument :
BNA_F
ClientSampleId :
PB170515BL

Tgt Ion:244 Resp: 515330

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.3	7.9
122	7.3	5.6	8.4

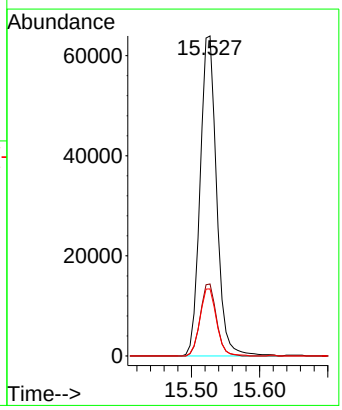




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF144235.D
Acq: 12 Nov 2025 18:20

Tgt Ion:264 Resp: 107660

Ion	Ratio	Lower	Upper
264	100		
260	22.5	17.1	25.7
265	20.9	17.4	26.0



Raw Data: **BF144236.D**

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

Report of Analysis

Client:	Roman E&G Corp			Date Collected:	
Project:	MCUA - New Brunswick			Date Received:	
Client Sample ID:	PB170515BS			SDG No.:	Q3604
Lab Sample ID:	PB170515BS			Matrix:	TCLP
Analytical Method:	8270E	Level:	LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	1000 uL	Test:	TCLP BNA
Prep Method :	3510C	Prep Date:	11/12/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
110-86-1	Pyridine	44.0		1	1.30	5.00	ug/L	11/12/25 18:50	PB170515
106-46-7	1,4-Dichlorobenzene	42.4		1	0.53	5.00	ug/L	11/12/25 18:50	PB170515
95-48-7	2-Methylphenol	45.0		1	1.10	5.00	ug/L	11/12/25 18:50	PB170515
65794-96-9	3+4-Methylphenols	41.2		1	1.10	10.0	ug/L	11/12/25 18:50	PB170515
67-72-1	Hexachloroethane	42.5		1	0.65	5.00	ug/L	11/12/25 18:50	PB170515
98-95-3	Nitrobenzene	42.5		1	0.76	5.00	ug/L	11/12/25 18:50	PB170515
87-68-3	Hexachlorobutadiene	38.2		1	0.54	5.00	ug/L	11/12/25 18:50	PB170515
88-06-2	2,4,6-Trichlorophenol	41.3		1	0.51	5.00	ug/L	11/12/25 18:50	PB170515
95-95-4	2,4,5-Trichlorophenol	38.2		1	0.62	5.00	ug/L	11/12/25 18:50	PB170515
121-14-2	2,4-Dinitrotoluene	43.9		1	1.20	5.00	ug/L	11/12/25 18:50	PB170515
118-74-1	Hexachlorobenzene	41.4		1	0.52	5.00	ug/L	11/12/25 18:50	PB170515
87-86-5	Pentachlorophenol	78.5		1	1.60	10.0	ug/L	11/12/25 18:50	PB170515
SURROGATES									
367-12-4	2-Fluorophenol	115			15 (10) - 110 (134)	77%	SPK: 150		
13127-88-3	Phenol-d6	117			15 (10) - 110 (135)	78%	SPK: 150		
4165-60-0	Nitrobenzene-d5	80.0			30 (39) - 130 (138)	80%	SPK: 100		
321-60-8	2-Fluorobiphenyl	74.4			30 (52) - 130 (132)	74%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	110			15 (44) - 110 (137)	74%	SPK: 150		
1718-51-0	Terphenyl-d14	93.9			30 (42) - 130 (152)	94%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	45400							
1146-65-2	Naphthalene-d8	180000							
15067-26-2	Acenaphthene-d10	101000							
1517-22-2	Phenanthrene-d10	167000							
1719-03-5	Chrysene-d12	84700							
1520-96-3	Perylene-d12	113000							

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_F\Data\BF111225\
Data File : BF144236.D
Acq On : 12 Nov 2025 18:50
Operator : RC/JU
Sample : PB170515BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 13 10:41:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB170515BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay

11/13/2025
Supervised By :mohammad ahmed

11/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	45402	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	180251	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	101053	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	166539	20.000	ng	0.00
76) Chrysene-d12	14.045	240	84699	20.000	ng	# 0.00
86) Perylene-d12	15.527	264	112671	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	334570	115.316	ng	0.01
7) Phenol-d6	6.504	99	385516	117.270	ng	0.00
23) Nitrobenzene-d5	7.434	82	249688	80.004	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	139884	110.310	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	509312	74.438	ng	0.00
79) Terphenyl-d14	12.986	244	500617	93.883	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.728	88	50178	41.833	ng	98
3) Pyridine	3.487	79	147170	43.978	ng	99
4) n-Nitrosodimethylamine	3.440	42	84384	48.275	ng	92
6) Aniline	6.534	93	153296	32.729	ng	96
8) 2-Chlorophenol	6.657	128	124556	43.776	ng	98
9) Benzaldehyde	6.422	77	75921	40.898	ng	98
10) Phenol	6.516	94	167739	41.762	ng	93
11) bis(2-Chloroethyl)ether	6.604	93	134789	46.055	ng	97
12) 1,3-Dichlorobenzene	6.810	146	150921	42.985	ng	96
13) 1,4-Dichlorobenzene	6.886	146	149097	42.388	ng	99
14) 1,2-Dichlorobenzene	7.039	146	141537	41.981	ng	99
15) Benzyl Alcohol	7.010	79	116903	44.909	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.139	45	268794	49.873	ng	98
17) 2-Methylphenol	7.122	107	101915	45.025	ng	97
18) Hexachloroethane	7.381	117	49609	42.451	ng	99
19) n-Nitroso-di-n-propyla...	7.281	70	94930	43.865	ng	97
20) 3+4-Methylphenols	7.275	107	109917	41.194	ng	97
22) Acetophenone	7.275	105	157378	40.700	ng	93
24) Nitrobenzene	7.451	77	144126	42.532	ng	99
25) Isophorone	7.686	82	263493	44.635	ng	100
26) 2-Nitrophenol	7.769	139	74133	44.194	ng	98
27) 2,4-Dimethylphenol	7.804	122	119044	47.349	ng	99
28) bis(2-Chloroethoxy)met...	7.898	93	161394	43.781	ng	97
29) 2,4-Dichlorophenol	8.010	162	117076	40.402	ng	99
30) 1,2,4-Trichlorobenzene	8.092	180	123719	41.578	ng	98
31) Naphthalene	8.175	128	346477	40.409	ng	99
32) Benzoic acid	7.933	122	79816	43.309	ng	94
33) 4-Chloroaniline	8.222	127	51152	16.357	ng	97
34) Hexachlorobutadiene	8.286	225	85612	38.176	ng	99
35) Caprolactam	8.598	113	38426m	48.401	ng	
36) 4-Chloro-3-methylphenol	8.710	107	112760	43.419	ng	98
37) 2-Methylnaphthalene	8.863	142	214401	37.399	ng	99
38) 1-Methylnaphthalene	8.963	142	219790	39.734	ng	100
40) 1,2,4,5-Tetrachloroben...	9.033	216	125809	37.988	ng	98
41) Hexachlorocyclopentadiene	9.016	237	115457	86.467	ng	98
43) 2,4,6-Trichlorophenol	9.145	196	93067	41.288	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111225\
Data File : BF144236.D
Acq On : 12 Nov 2025 18:50
Operator : RC/JU
Sample : PB170515BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 13 10:41:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB170515BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay

11/13/2025

Supervised By :mohammad ahmed

11/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	92917	38.247	ng		97
46) 1,1'-Biphenyl	9.328	154	285865	40.526	ng		99
47) 2-Chloronaphthalene	9.357	162	240609	39.988	ng		100
48) 2-Nitroaniline	9.451	65	77854	44.844	ng		100
49) Acenaphthylene	9.775	152	370278	45.159	ng		100
50) Dimethylphthalate	9.633	163	285446	42.638	ng		99
51) 2,6-Dinitrotoluene	9.698	165	62667	46.242	ng		96
52) Acenaphthene	9.945	154	206698	37.697	ng		98
53) 3-Nitroaniline	9.863	138	37825	25.533	ng		98
54) 2,4-Dinitrophenol	9.975	184	56433	68.960	ng		97
55) Dibenzofuran	10.116	168	306185	39.871	ng		99
56) 4-Nitrophenol	10.033	139	85624	79.902	ng		98
57) 2,4-Dinitrotoluene	10.104	165	79721	43.943	ng		91
58) Fluorene	10.463	166	235506	40.336	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	73860	42.971	ng		98
60) Diethylphthalate	10.333	149	265856	43.079	ng		99
61) 4-Chlorophenyl-phenyle...	10.451	204	131377	39.502	ng		99
62) 4-Nitroaniline	10.480	138	59767	42.364	ng		93
63) Azobenzene	10.610	77	263433	45.866	ng		99
65) 4,6-Dinitro-2-methylph...	10.516	198	45609	40.313	ng		97
66) n-Nitrosodiphenylamine	10.569	169	241641	45.113	ng		99
67) 4-Bromophenyl-phenylether	10.939	248	86208	40.555	ng		96
68) Hexachlorobenzene	11.010	284	103591	41.373	ng		98
69) Atrazine	11.098	200	79812	46.854	ng		98
70) Pentachlorophenol	11.204	266	97885	78.509	ng		97
71) Phenanthrene	11.427	178	351466	42.388	ng		100
72) Anthracene	11.474	178	358443	42.513	ng		100
73) Carbazole	11.633	167	305936	42.672	ng		99
74) Di-n-butylphthalate	11.957	149	399956	46.147	ng		99
75) Fluoranthene	12.616	202	344156	40.180	ng		98
77) Benzidine	12.739	184	155632	62.120	ng		99
78) Pyrene	12.845	202	332878	48.743	ng		100
80) Butylbenzylphthalate	13.463	149	124612	52.647	ng		100
81) Benzo(a)anthracene	14.033	228	273075	46.518	ng		99
82) 3,3'-Dichlorobenzidine	13.998	252	50489	25.092	ng		94
83) Chrysene	14.074	228	241482	44.562	ng		99
84) Bis(2-ethylhexyl)phtha...	14.015	149	158832	49.020	ng		100
85) Di-n-octyl phthalate	14.633	149	241505	43.200	ng		98
87) Indeno(1,2,3-cd)pyrene	17.027	276	334616	41.372	ng		97
88) Benzo(b)fluoranthene	15.092	252	298592m	46.614	ng		
89) Benzo(k)fluoranthene	15.121	252	249896	41.680	ng		98
90) Benzo(a)pyrene	15.462	252	270772	45.821	ng	#	97
91) Dibenzo(a,h)anthracene	17.045	278	270183	41.595	ng		99
92) Benzo(g,h,i)perylene	17.480	276	266444	41.538	ng		97

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

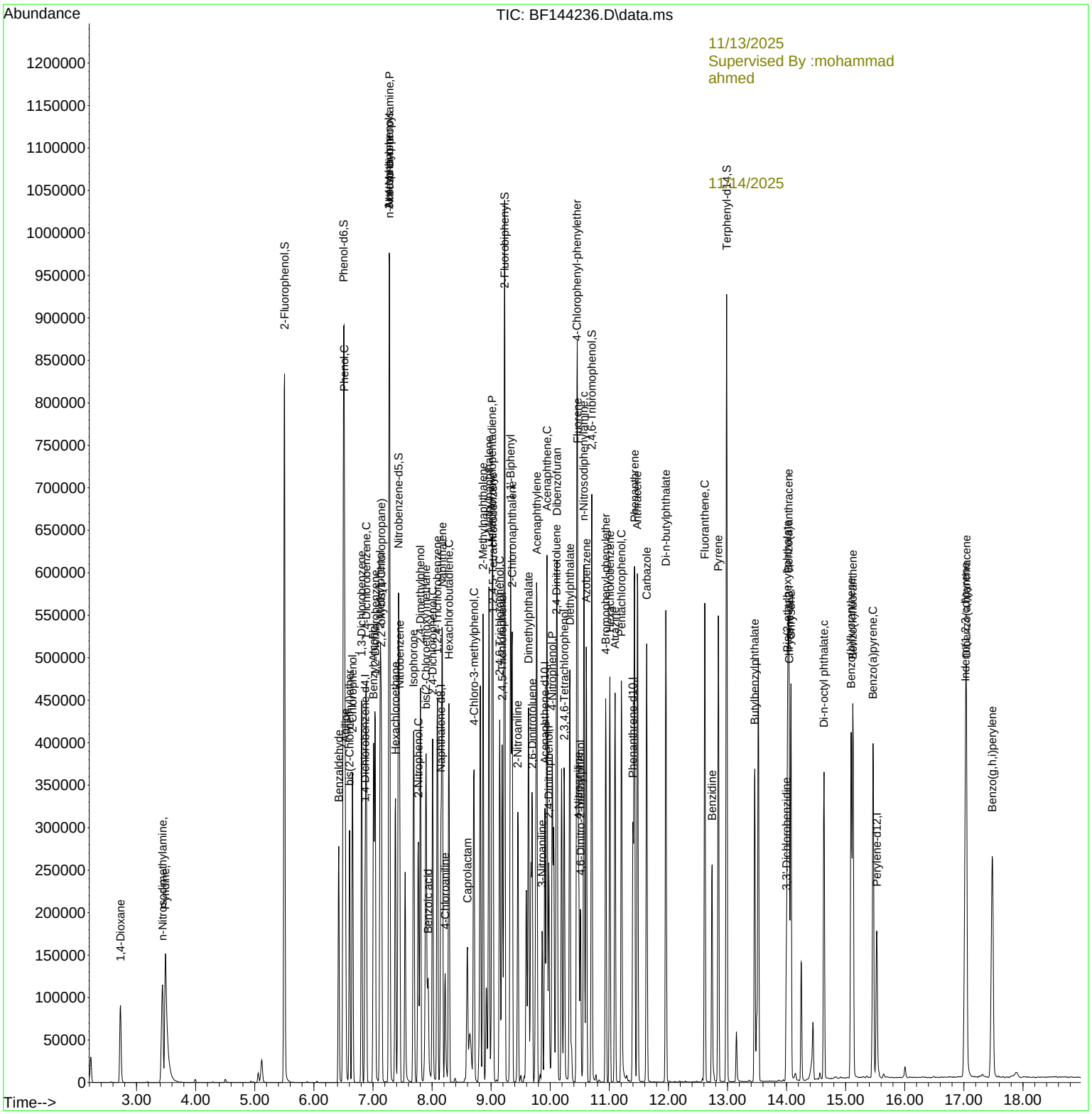
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111225\
Data File : BF144236.D
Acq On : 12 Nov 2025 18:50
Operator : RC/JU
Sample : PB170515BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 13 10:41:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB170515BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay



Raw Data: **BF144239.D**

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

Report of Analysis

Client:	Roman E&G Corp			Date Collected:	11/10/25
Project:	MCUA - New Brunswick			Date Received:	11/10/25
Client Sample ID:	S-1MS			SDG No.:	Q3604
Lab Sample ID:	Q3604-01MS			Matrix:	TCLP
Analytical Method:	8270E	Level:	LOW	% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol:	1000 uL	Test:	TCLP BNA
Prep Method :	3510C	Prep Date:	11/12/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
110-86-1	Pyridine	340		1	12.8	50.0	ug/L	11/12/25 20:20	PB170515
106-46-7	1,4-Dichlorobenzene	460		1	5.30	50.0	ug/L	11/12/25 20:20	PB170515
95-48-7	2-Methylphenol	480		1	11.2	50.0	ug/L	11/12/25 20:20	PB170515
65794-96-9	3+4-Methylphenols	460		1	11.0	100	ug/L	11/12/25 20:20	PB170515
67-72-1	Hexachloroethane	460		1	6.50	50.0	ug/L	11/12/25 20:20	PB170515
98-95-3	Nitrobenzene	470		1	7.60	50.0	ug/L	11/12/25 20:20	PB170515
87-68-3	Hexachlorobutadiene	420		1	5.40	50.0	ug/L	11/12/25 20:20	PB170515
88-06-2	2,4,6-Trichlorophenol	460		1	5.10	50.0	ug/L	11/12/25 20:20	PB170515
95-95-4	2,4,5-Trichlorophenol	450		1	6.20	50.0	ug/L	11/12/25 20:20	PB170515
121-14-2	2,4-Dinitrotoluene	490		1	12.2	50.0	ug/L	11/12/25 20:20	PB170515
118-74-1	Hexachlorobenzene	480		1	5.20	50.0	ug/L	11/12/25 20:20	PB170515
87-86-5	Pentachlorophenol	930	E	1	15.8	100	ug/L	11/12/25 20:20	PB170515
SURROGATES									
367-12-4	2-Fluorophenol	120			15 (10) - 110 (134)	80%	SPK: 150		
13127-88-3	Phenol-d6	117			15 (10) - 110 (135)	78%	SPK: 150		
4165-60-0	Nitrobenzene-d5	89.6			30 (39) - 130 (138)	90%	SPK: 100		
321-60-8	2-Fluorobiphenyl	82.9			30 (52) - 130 (132)	83%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	122			15 (44) - 110 (137)	81%	SPK: 150		
1718-51-0	Terphenyl-d14	86.8			30 (42) - 130 (152)	87%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	37200							
1146-65-2	Naphthalene-d8	148000							
15067-26-2	Acenaphthene-d10	80500							
1517-22-2	Phenanthrene-d10	131000							
1719-03-5	Chrysene-d12	72100							
1520-96-3	Perylene-d12	94900							

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_F\Data\BF111225\
Data File : BF144239.D
Acq On : 12 Nov 2025 20:20
Operator : RC/JU
Sample : Q3604-01MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 13 10:42:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
S-1MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/13/2025
Supervised By :mohammad ahmed 11/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.869	152	37192	20.000	ng		0.00
21) Naphthalene-d8	8.151	136	147944	20.000	ng		0.00
39) Acenaphthene-d10	9.910	164	80453	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	131172	20.000	ng		0.00
76) Chrysene-d12	14.051	240	72085	20.000	ng		0.00
86) Perylene-d12	15.527	264	94938	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	284862	119.857	ng		0.01
7) Phenol-d6	6.504	99	315662	117.217	ng		0.00
23) Nitrobenzene-d5	7.434	82	229421	89.562	ng		0.00
42) 2,4,6-Tribromophenol	10.704	330	122955	121.787	ng		0.00
45) 2-Fluorobiphenyl	9.228	172	451462	82.878	ng		0.00
79) Terphenyl-d14	12.986	244	393816	86.778	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.810	88	45984	46.799	ng	#	80
3) Pyridine	3.528	79	93101	33.962	ng		99
4) n-Nitrosodimethylamine	3.469	42	73511	51.338	ng		94
6) Aniline	6.534	93	34774	9.063	ng	#	59
8) 2-Chlorophenol	6.657	128	111461	47.821	ng		99
9) Benzaldehyde	6.422	77	52075	34.245	ng		95
10) Phenol	6.522	94	132212	40.183	ng		96
11) bis(2-Chloroethyl)ether	6.604	93	119204	49.721	ng		96
12) 1,3-Dichlorobenzene	6.810	146	132321	46.007	ng		98
13) 1,4-Dichlorobenzene	6.887	146	132618	46.025	ng		99
14) 1,2-Dichlorobenzene	7.040	146	128595	46.562	ng		99
15) Benzyl Alcohol	7.010	79	101227	47.471	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.140	45	231277	52.385	ng		94
17) 2-Methylphenol	7.122	107	89539	48.289	ng		98
18) Hexachloroethane	7.381	117	43880	45.838	ng		98
19) n-Nitroso-di-n-propyla...	7.281	70	87086	49.124	ng		95
20) 3+4-Methylphenols	7.281	107	101605	46.484	ng	#	85
22) Acetophenone	7.281	105	145871	45.962	ng		97
24) Nitrobenzene	7.451	77	129533	46.573	ng		99
25) Isophorone	7.692	82	232935	48.075	ng		98
26) 2-Nitrophenol	7.769	139	66284	48.144	ng		98
27) 2,4-Dimethylphenol	7.804	122	108134	52.401	ng		100
28) bis(2-Chloroethoxy)met...	7.898	93	148399	49.046	ng		99
29) 2,4-Dichlorophenol	8.010	162	106715	44.868	ng		99
30) 1,2,4-Trichlorobenzene	8.092	180	112232	45.954	ng		97
31) Naphthalene	8.175	128	320624	45.559	ng		99
32) Benzoic acid	7.934	122	68255	45.124	ng		92
33) 4-Chloroaniline	8.228	127	10918	4.254	ng		99
34) Hexachlorobutadiene	8.287	225	76923	41.792	ng		98
35) Caprolactam	8.592	113	27901m	42.819	ng		
36) 4-Chloro-3-methylphenol	8.710	107	98550	46.234	ng		98
37) 2-Methylnaphthalene	8.863	142	194827	41.406	ng		99
38) 1-Methylnaphthalene	8.963	142	199570	43.958	ng		99
40) 1,2,4,5-Tetrachloroben...	9.034	216	119433	45.296	ng		98
41) Hexachlorocyclopentadiene	9.016	237	108990	97.445	ng		96
43) 2,4,6-Trichlorophenol	9.145	196	82891	46.189	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111225\
Data File : BF144239.D
Acq On : 12 Nov 2025 20:20
Operator : RC/JU
Sample : Q3604-01MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1MS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/13/2025
Supervised By :mohammad ahmed 11/14/2025

Quant Time: Nov 13 10:42:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.187	196	87862	45.426	ng		98
46) 1,1'-Biphenyl	9.328	154	268019	47.725	ng		99
47) 2-Chloronaphthalene	9.357	162	221412	46.220	ng		100
48) 2-Nitroaniline	9.451	65	64963	47.000	ng		95
49) Acenaphthylene	9.769	152	338952	51.923	ng		99
50) Dimethylphthalate	9.628	163	261262	49.019	ng		100
51) 2,6-Dinitrotoluene	9.692	165	54783	50.775	ng		98
52) Acenaphthene	9.945	154	190419	43.620	ng		98
53) 3-Nitroaniline	9.863	138	10464	8.872	ng		97
54) 2,4-Dinitrophenol	9.975	184	60304	92.559	ng		99
55) Dibenzofuran	10.116	168	278852	45.610	ng		99
56) 4-Nitrophenol	10.034	139	64237	75.293	ng		100
57) 2,4-Dinitrotoluene	10.098	165	70919	49.100	ng		96
58) Fluorene	10.457	166	215304	46.317	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.233	232	65757	48.053	ng		96
60) Diethylphthalate	10.328	149	244267	49.715	ng		99
61) 4-Chlorophenyl-phenyle...	10.451	204	117572	44.403	ng		98
62) 4-Nitroaniline	10.481	138	41377	36.838	ng		95
63) Azobenzene	10.610	77	228104	49.884	ng		100
65) 4,6-Dinitro-2-methylph...	10.510	198	39919	44.797	ng		99
66) n-Nitrosodiphenylamine	10.569	169	207785	49.252	ng		99
67) 4-Bromophenyl-phenylether	10.939	248	79839	47.685	ng		97
68) Hexachlorobenzene	11.010	284	93845	47.587	ng		96
69) Atrazine	11.098	200	56315	41.973	ng		99
70) Pentachlorophenol	11.204	266	90863	92.526	ng		97
71) Phenanthrene	11.428	178	305360	46.756	ng		99
72) Anthracene	11.475	178	302458	45.546	ng		99
73) Carbazole	11.633	167	251180	44.481	ng		98
74) Di-n-butylphthalate	11.957	149	334405	48.987	ng		99
75) Fluoranthene	12.616	202	286646	42.489	ng		99
77) Benzidine	12.745	184	7191	3.373	ng	#	96
78) Pyrene	12.845	202	284614	48.969	ng		99
80) Butylbenzylphthalate	13.463	149	103566	51.412	ng		98
81) Benzo(a)anthracene	14.039	228	248057	49.651	ng		98
82) 3,3'-Dichlorobenzidine	13.998	252	19443	11.353	ng	#	95
83) Chrysene	14.074	228	226071	49.018	ng		98
84) Bis(2-ethylhexyl)phtha...	14.021	149	137180	49.746	ng		100
85) Di-n-octyl phthalate	14.633	149	226739	47.656	ng		99
87) Indeno(1,2,3-cd)pyrene	17.033	276	320326	47.003	ng		98
88) Benzo(b)fluoranthene	15.092	252	276992	51.319	ng		99
89) Benzo(k)fluoranthene	15.127	252	250891	49.662	ng		98
90) Benzo(a)pyrene	15.468	252	259774	52.170	ng		99
91) Dibenzo(a,h)anthracene	17.045	278	260475	47.591	ng		98
92) Benzo(g,h,i)perylene	17.486	276	251595	46.550	ng		98

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

Sample Results: **BF144239.D**

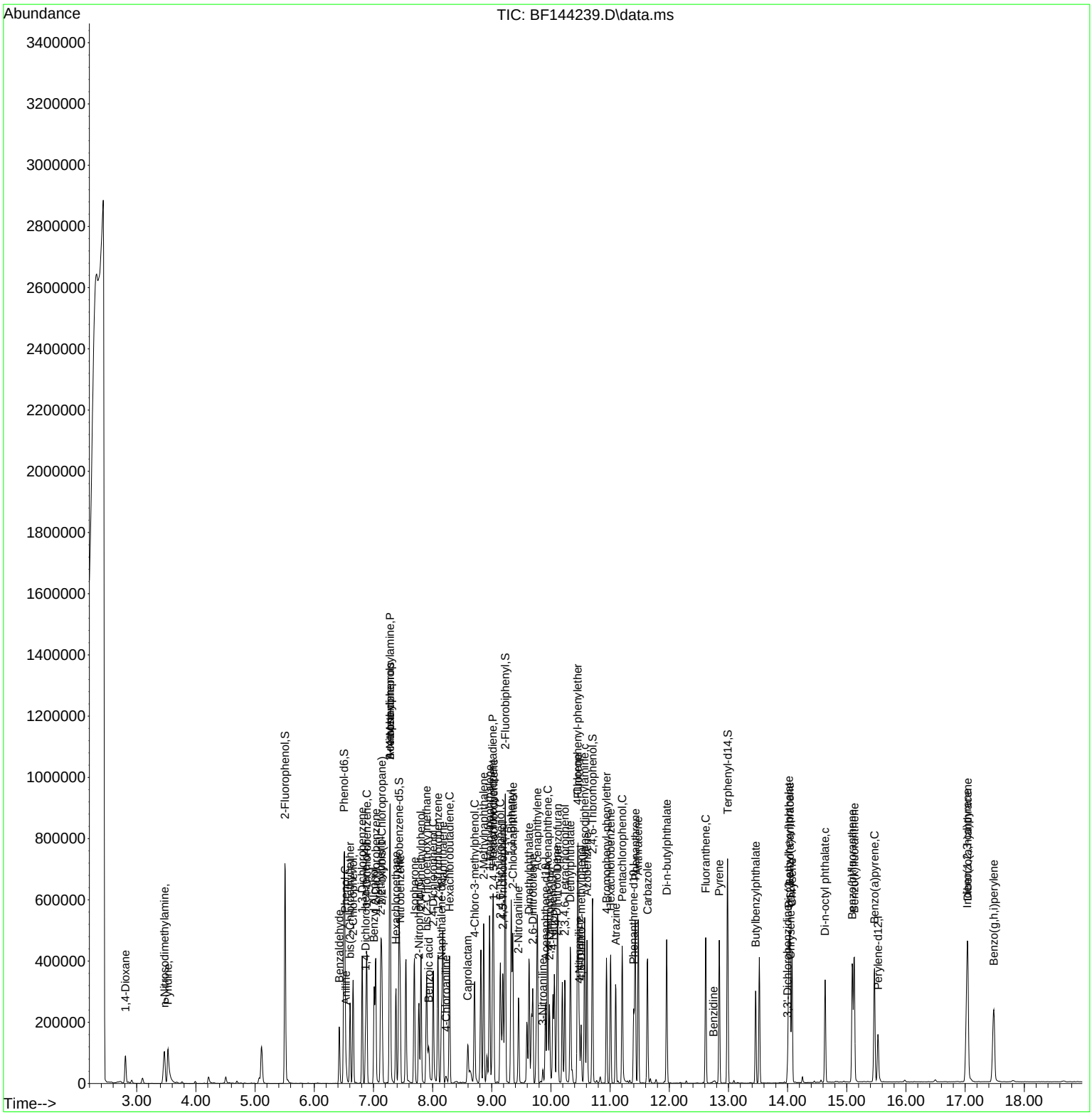
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111225\
Data File : BF144239.D
Acq On : 12 Nov 2025 20:20
Operator : RC/JU
Sample : Q3604-01MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 13 10:42:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
S-1MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/13/2025
Supervised By :mohammad ahmed 11/14/2025



Raw Data: **BF144240.D**

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

Report of Analysis

Client:	Roman E&G Corp			Date Collected:	11/10/25
Project:	MCUA - New Brunswick			Date Received:	11/10/25
Client Sample ID:	S-1MSD			SDG No.:	Q3604
Lab Sample ID:	Q3604-01MSD			Matrix:	TCLP
Analytical Method:	8270E	Level:	LOW	% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol:	1000 uL	Test:	TCLP BNA
Prep Method :	3510C	Prep Date:	11/12/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
110-86-1	Pyridine	340		1	12.8	50.0	ug/L	11/12/25 20:49	PB170515
106-46-7	1,4-Dichlorobenzene	460		1	5.30	50.0	ug/L	11/12/25 20:49	PB170515
95-48-7	2-Methylphenol	480		1	11.2	50.0	ug/L	11/12/25 20:49	PB170515
65794-96-9	3+4-Methylphenols	470		1	11.0	100	ug/L	11/12/25 20:49	PB170515
67-72-1	Hexachloroethane	450		1	6.50	50.0	ug/L	11/12/25 20:49	PB170515
98-95-3	Nitrobenzene	480		1	7.60	50.0	ug/L	11/12/25 20:49	PB170515
87-68-3	Hexachlorobutadiene	430		1	5.40	50.0	ug/L	11/12/25 20:49	PB170515
88-06-2	2,4,6-Trichlorophenol	460		1	5.10	50.0	ug/L	11/12/25 20:49	PB170515
95-95-4	2,4,5-Trichlorophenol	450		1	6.20	50.0	ug/L	11/12/25 20:49	PB170515
121-14-2	2,4-Dinitrotoluene	500		1	12.2	50.0	ug/L	11/12/25 20:49	PB170515
118-74-1	Hexachlorobenzene	470		1	5.20	50.0	ug/L	11/12/25 20:49	PB170515
87-86-5	Pentachlorophenol	960	E	1	15.8	100	ug/L	11/12/25 20:49	PB170515
SURROGATES									
367-12-4	2-Fluorophenol	119			15 (10) - 110 (134)	79%	SPK: 150		
13127-88-3	Phenol-d6	117			15 (10) - 110 (135)	78%	SPK: 150		
4165-60-0	Nitrobenzene-d5	90.4			30 (39) - 130 (138)	90%	SPK: 100		
321-60-8	2-Fluorobiphenyl	81.5			30 (52) - 130 (132)	81%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	129			15 (44) - 110 (137)	86%	SPK: 150		
1718-51-0	Terphenyl-d14	98.6			30 (42) - 130 (152)	99%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	39200							
1146-65-2	Naphthalene-d8	153000							
15067-26-2	Acenaphthene-d10	88300							
1517-22-2	Phenanthrene-d10	149000							
1719-03-5	Chrysene-d12	75700							
1520-96-3	Perylene-d12	90900							

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

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

Sample Results: **BF144240.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111225\
Data File : BF144240.D
Acq On : 12 Nov 2025 20:49
Operator : RC/JU
Sample : Q3604-01MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 13 10:43:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
S-1MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/13/2025
Supervised By :mohammad ahmed 11/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.869	152	39225	20.000	ng		0.00
21) Naphthalene-d8	8.151	136	152960	20.000	ng		0.00
39) Acenaphthene-d10	9.910	164	88266	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	148585	20.000	ng		0.00
76) Chrysene-d12	14.045	240	75670	20.000	ng		0.00
86) Perylene-d12	15.527	264	90928	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	298289	119.002	ng		0.02
7) Phenol-d6	6.504	99	331524	116.727	ng		0.00
23) Nitrobenzene-d5	7.434	82	239393	90.391	ng		0.00
42) 2,4,6-Tribromophenol	10.704	330	143410	129.474	ng		0.00
45) 2-Fluorobiphenyl	9.228	172	486866	81.466	ng		0.00
79) Terphenyl-d14	12.986	244	469575	98.569	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.822	88	44733	43.166	ng	#	78
3) Pyridine	3.534	79	98807	34.176	ng		98
4) n-Nitrosodimethylamine	3.475	42	76555	50.693	ng		96
6) Aniline	6.540	93	29891	7.387	ng	#	77
8) 2-Chlorophenol	6.657	128	117958	47.986	ng		99
9) Benzaldehyde	6.422	77	51565	32.152	ng		98
10) Phenol	6.522	94	138958	40.045	ng		98
11) bis(2-Chloroethyl)ether	6.604	93	124118	49.087	ng		96
12) 1,3-Dichlorobenzene	6.810	146	136946	45.147	ng		98
13) 1,4-Dichlorobenzene	6.887	146	138722	45.649	ng		100
14) 1,2-Dichlorobenzene	7.039	146	132363	45.443	ng		100
15) Benzyl Alcohol	7.016	79	107782	47.926	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.139	45	238394	51.198	ng		90
17) 2-Methylphenol	7.122	107	94735	48.444	ng		99
18) Hexachloroethane	7.381	117	45373	44.941	ng		98
19) n-Nitroso-di-n-propyla...	7.281	70	90551	48.431	ng		94
20) 3+4-Methylphenols	7.281	107	107360	46.572	ng	#	85
22) Acetophenone	7.281	105	153531	46.789	ng		96
24) Nitrobenzene	7.451	77	138165	48.048	ng		99
25) Isophorone	7.692	82	250287	49.962	ng		100
26) 2-Nitrophenol	7.769	139	70160	49.288	ng		97
27) 2,4-Dimethylphenol	7.804	122	113828	53.352	ng		98
28) bis(2-Chloroethoxy)met...	7.898	93	154372	49.347	ng		98
29) 2,4-Dichlorophenol	8.010	162	112429	45.721	ng		99
30) 1,2,4-Trichlorobenzene	8.092	180	116972	46.324	ng		98
31) Naphthalene	8.175	128	325916	44.792	ng		100
32) Benzoic acid	7.939	122	77462	49.531	ng		94
33) 4-Chloroaniline	8.228	127	14102	5.314	ng		98
34) Hexachlorobutadiene	8.286	225	82411	43.306	ng		99
35) Caprolactam	8.598	113	30944m	45.931	ng		
36) 4-Chloro-3-methylphenol	8.710	107	107414	48.740	ng		99
37) 2-Methylnaphthalene	8.863	142	211225	43.419	ng		99
38) 1-Methylnaphthalene	8.963	142	212697	45.313	ng		99
40) 1,2,4,5-Tetrachloroben...	9.033	216	124668	43.097	ng	#	99
41) Hexachlorocyclopentadiene	9.016	237	120878	98.183	ng		97
43) 2,4,6-Trichlorophenol	9.145	196	91425	46.435	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111225\
Data File : BF144240.D
Acq On : 12 Nov 2025 20:49
Operator : RC/JU
Sample : Q3604-01MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 13 10:43:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
S-1MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/13/2025
Supervised By :mohammad ahmed 11/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	95396	44.956	ng		100
46) 1,1'-Biphenyl	9.328	154	285308	46.307	ng		100
47) 2-Chloronaphthalene	9.357	162	234474	44.614	ng		100
48) 2-Nitroaniline	9.451	65	74562	49.170	ng		98
49) Acenaphthylene	9.769	152	367687	51.339	ng		99
50) Dimethylphthalate	9.633	163	292649	50.047	ng		99
51) 2,6-Dinitrotoluene	9.692	165	61109	51.625	ng		98
52) Acenaphthene	9.945	154	204139	42.624	ng		98
53) 3-Nitroaniline	9.863	138	10133	7.831	ng	#	98
54) 2,4-Dinitrophenol	9.975	184	70440	98.546	ng		95
55) Dibenzofuran	10.116	168	298065	44.437	ng		98
56) 4-Nitrophenol	10.033	139	73736	78.776	ng		95
57) 2,4-Dinitrotoluene	10.104	165	78857	49.764	ng		92
58) Fluorene	10.463	166	233867	45.858	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.233	232	73718	49.102	ng		96
60) Diethylphthalate	10.333	149	271081	50.289	ng		100
61) 4-Chlorophenyl-phenyle...	10.451	204	130121	44.792	ng		98
62) 4-Nitroaniline	10.480	138	45864	37.219	ng		96
63) Azobenzene	10.610	77	257157	51.260	ng		100
65) 4,6-Dinitro-2-methylph...	10.510	198	50060	49.594	ng		98
66) n-Nitrosodiphenylamine	10.569	169	224095	46.893	ng		99
67) 4-Bromophenyl-phenylether	10.939	248	88117	46.462	ng		97
68) Hexachlorobenzene	11.010	284	104447	46.756	ng		97
69) Atrazine	11.098	200	62022	40.809	ng		99
70) Pentachlorophenol	11.204	266	107096	96.276	ng		98
71) Phenanthrene	11.427	178	347083	46.917	ng		100
72) Anthracene	11.474	178	357314	47.500	ng		99
73) Carbazole	11.633	167	287835	44.999	ng		99
74) Di-n-butylphthalate	11.957	149	393967	50.949	ng		99
75) Fluoranthene	12.616	202	338186	44.254	ng		99
78) Pyrene	12.845	202	329016	53.926	ng		100
80) Butylbenzylphthalate	13.463	149	126138	59.651	ng		99
81) Benzo(a)anthracene	14.039	228	262690	50.089	ng		99
82) 3,3'-Dichlorobenzidine	13.998	252	9064	5.042	ng	#	96
83) Chrysene	14.074	228	234037	48.341	ng		99
84) Bis(2-ethylhexyl)phtha...	14.015	149	161561	55.811	ng		98
85) Di-n-octyl phthalate	14.633	149	238121	47.677	ng		100
87) Indeno(1,2,3-cd)pyrene	17.033	276	308388	47.247	ng		98
88) Benzo(b)fluoranthene	15.092	252	275332	53.261	ng		99
89) Benzo(k)fluoranthene	15.127	252	246476	50.940	ng		98
90) Benzo(a)pyrene	15.468	252	250944	52.620	ng		99
91) Dibenzo(a,h)anthracene	17.045	278	256609	48.952	ng		99
92) Benzo(g,h,i)perylene	17.480	276	247582	47.827	ng		96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111225\
Data File : BF144240.D
Acq On : 12 Nov 2025 20:49
Operator : RC/JU
Sample : Q3604-01MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

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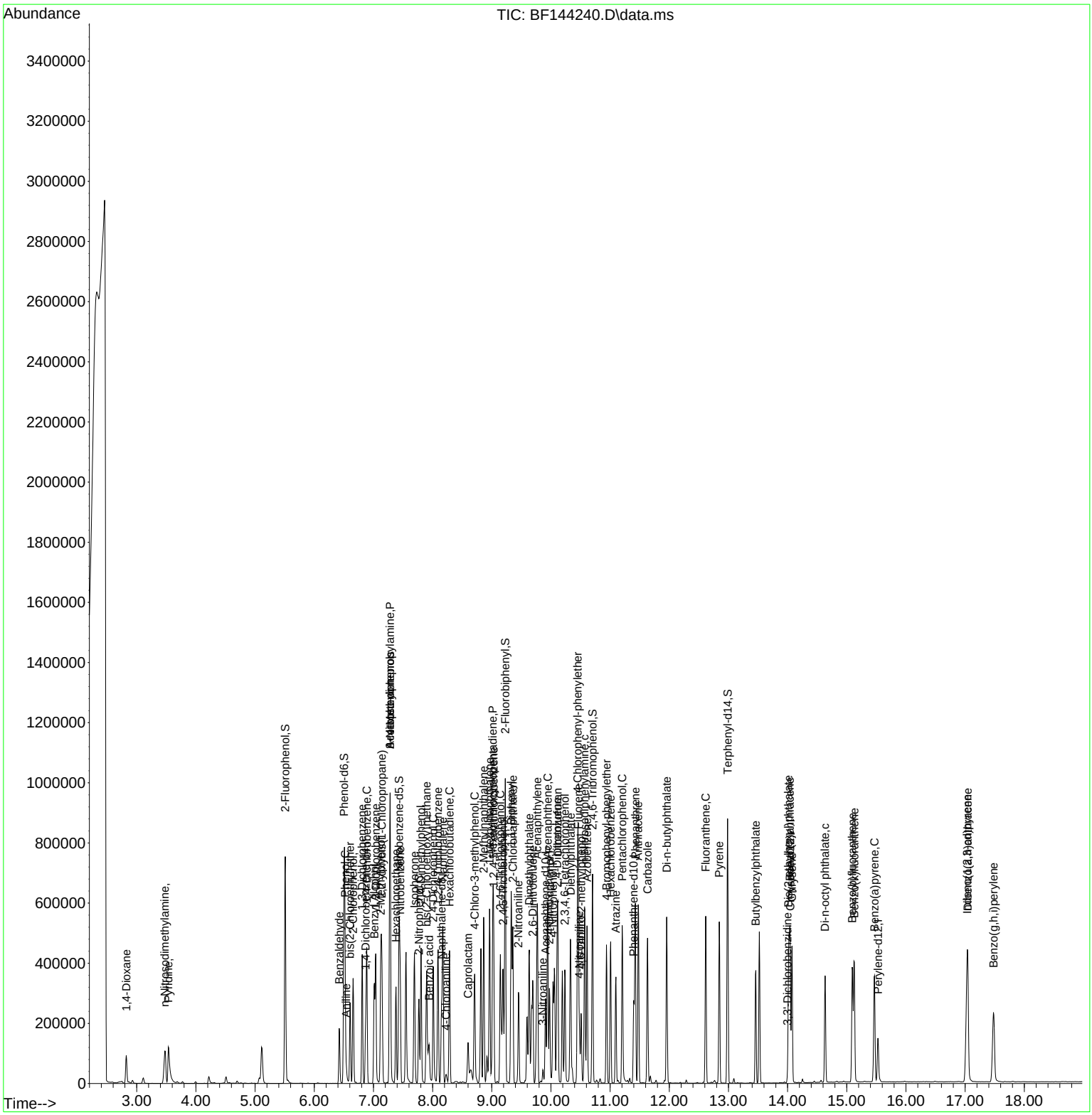
Instrument :
BNA_F
ClientSampleId :
S-1MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/13/2025
Supervised By :mohammad ahmed 11/14/2025



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

Manual Integration Report

Sequence:	BF110525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF144170.D	Benzo(b)fluoranthene	rahul	11/6/2025 8:43:08 AM	Jagrut	11/6/2025 10:21:01 AM	Peak Integrated by Software
SSTDICV040	BF144177.D	Benzoic acid	rahul	11/6/2025 8:43:11 AM	Jagrut	11/6/2025 10:21:04 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF111225	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB170515BS	BF144236.D	Benzo(b)fluoranthene	Jagrut	11/13/2025 5:06:41 PM	mohammad	11/14/2025 1:01:17 AM	Peak Integrated by Software
PB170515BS	BF144236.D	Caprolactam	Jagrut	11/13/2025 5:06:41 PM	mohammad	11/14/2025 1:01:17 AM	Peak Integrated by Software
Q3604-01MS	BF144239.D	Caprolactam	Jagrut	11/13/2025 5:06:43 PM	mohammad	11/14/2025 1:01:17 AM	Peak Integrated by Software
Q3604-01MSD	BF144240.D	Caprolactam	Jagrut	11/13/2025 5:06:45 PM	mohammad	11/14/2025 1:01:17 AM	Peak Integrated by Software

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110525

Review By	rahul	Review On	11/5/2025 2:56:50 PM				
Supervise By	Jagrut	Supervise On	11/6/2025 10:21:33 AM				
SubDirectory	BF110525	HP Acquire Method	BNA_F		HP Processing Method	BF110525	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13181,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF144168.D	05 Nov 2025 12:21	RC/JU	Ok
2	SSTDICC2.5	BF144169.D	05 Nov 2025 12:50	RC/JU	Ok
3	SSTDICC005	BF144170.D	05 Nov 2025 13:20	RC/JU	Ok,M
4	SSTDICC010	BF144171.D	05 Nov 2025 13:50	RC/JU	Ok
5	SSTDICC020	BF144172.D	05 Nov 2025 14:20	RC/JU	Ok
6	SSTDICCC040	BF144173.D	05 Nov 2025 14:50	RC/JU	Ok
7	SSTDICC050	BF144174.D	05 Nov 2025 15:49	RC/JU	Ok
8	SSTDICC060	BF144175.D	05 Nov 2025 16:19	RC/JU	Ok
9	SSTDICC080	BF144176.D	05 Nov 2025 16:49	RC/JU	Ok
10	SSTDICV040	BF144177.D	05 Nov 2025 17:21	RC/JU	Ok,M
11	PB170372BL	BF144178.D	05 Nov 2025 18:10	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111225

Review By	rahul	Review On	11/12/2025 2:01:36 PM				
Supervise By	mohammad	Supervise On	11/14/2025 1:01:17 AM				
SubDirectory	BF111225	HP Acquire Method	BNA_F		HP Processing Method	BF110525	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13182,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF144229.D	12 Nov 2025 15:22	RC/JU	Ok
2	SSTDCCC040	BF144230.D	12 Nov 2025 15:52	RC/JU	Ok
3	PB170473BL	BF144231.D	12 Nov 2025 16:21	RC/JU	Not Ok
4	PB170323BS	BF144232.D	12 Nov 2025 16:51	RC/JU	Ok,M
5	PB170473BS	BF144233.D	12 Nov 2025 17:21	RC/JU	Not Ok
6	PB170473BSD	BF144234.D	12 Nov 2025 17:51	RC/JU	Not Ok
7	PB170515BL	BF144235.D	12 Nov 2025 18:20	RC/JU	Ok
8	PB170515BS	BF144236.D	12 Nov 2025 18:50	RC/JU	Ok,M
9	PB170493TB	BF144237.D	12 Nov 2025 19:20	RC/JU	Ok
10	Q3604-01	BF144238.D	12 Nov 2025 19:50	RC/JU	Ok
11	Q3604-01MS	BF144239.D	12 Nov 2025 20:20	RC/JU	Ok,M
12	Q3604-01MSD	BF144240.D	12 Nov 2025 20:49	RC/JU	Ok,M
13	Q3604-02	BF144241.D	12 Nov 2025 21:19	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110525

Review By	rahul	Review On	11/5/2025 2:56:50 PM		
Supervise By	Jagrut	Supervise On	11/6/2025 10:21:33 AM		
SubDirectory	BF110525	HP Acquire Method	BNA_F	HP Processing Method	BF110525

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13181,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF144168.D	05 Nov 2025 12:21		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF144169.D	05 Nov 2025 12:50		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF144170.D	05 Nov 2025 13:20		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF144171.D	05 Nov 2025 13:50		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF144172.D	05 Nov 2025 14:20		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF144173.D	05 Nov 2025 14:50	Compound #41 kept on QR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF144174.D	05 Nov 2025 15:49		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF144175.D	05 Nov 2025 16:19		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF144176.D	05 Nov 2025 16:49		RC/JU	Ok
10	SSTDICV040	ICVBF110525	BF144177.D	05 Nov 2025 17:21		RC/JU	Ok,M
11	PB170372BL	PB170372BL	BF144178.D	05 Nov 2025 18:10		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111225

Review By	rahul	Review On	11/12/2025 2:01:36 PM		
Supervise By	mohammad	Supervise On	11/14/2025 1:01:17 AM		
SubDirectory	BF111225	HP Acquire Method	BNA_F	HP Processing Method	BF110525

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13182,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF144229.D	12 Nov 2025 15:22		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF144230.D	12 Nov 2025 15:52		RC/JU	Ok
3	PB170473BL	PB170473BL	BF144231.D	12 Nov 2025 16:21	End CCC missing	RC/JU	Not Ok
4	PB170323BS	PB170323BS	BF144232.D	12 Nov 2025 16:51		RC/JU	Ok,M
5	PB170473BS	PB170473BS	BF144233.D	12 Nov 2025 17:21	End CCC missing	RC/JU	Not Ok
6	PB170473BSD	PB170473BSD	BF144234.D	12 Nov 2025 17:51	End CCC missing	RC/JU	Not Ok
7	PB170515BL	PB170515BL	BF144235.D	12 Nov 2025 18:20		RC/JU	Ok
8	PB170515BS	PB170515BS	BF144236.D	12 Nov 2025 18:50		RC/JU	Ok,M
9	PB170493TB	PB170493TB	BF144237.D	12 Nov 2025 19:20		RC/JU	Ok
10	Q3604-01	S-1	BF144238.D	12 Nov 2025 19:50		RC/JU	Ok
11	Q3604-01MS	S-1MS	BF144239.D	12 Nov 2025 20:20		RC/JU	Ok,M
12	Q3604-01MSD	S-1MSD	BF144240.D	12 Nov 2025 20:49		RC/JU	Ok,M
13	Q3604-02	S-2	BF144241.D	12 Nov 2025 21:19		RC/JU	Ok

M : Manual Integration

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TCLP EXTRACTION LOGPAGE

PB170463

SOP ID : M1311-TCLP-16

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : ZHE-1 / ZHE-2

TCLP Filter ID : 60828725

Start Prep Date : 11/10/2025 **Time :** 16:10

End Prep Date : 11/11/2025 **Time :** 10:25

Combination Ratio : 20

ZHE Cleaning Batch : N/A 10

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : 12

Standared 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	WP114525
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
40ml VOA Vials	4127	N/A

Extraction Conformance/Non-Conformance Comments:

ALL ZHE samples are extracted and given as vial A & B. Leck checked after 10 minutes of tumbling. TUMBLER ZHE-1 / ZHE-2 checked,30 rpm.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/11/25 10:50	JP PREP Room	S.Y WC Lab
	Preparation Group	Analysis Group

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TCLP EXTRACTION LOGPAGE

PB170463

Sample ID	ClientID	ZHE 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
PB170463TB	LEB463	13	N/A	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
Q3577-04	WC-1A	01	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3581-02	VNJ-238	02	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3581-04	VNJ-245	03	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3581-06	VNJ-240	04	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3581-08	RBR200059	05	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3598-02	EO-CONCRETE	06	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3599-02	LIVINGSTON-SOIL	07	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3601-04	TP-1	08	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3601-08	TP-2	09	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3601-12	TP-3	10	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3601-16	TP-4	11	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
Q3601-20	TP-5	12	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-2

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TCLP Solid Determination

PB170463

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB170463TB	LEB463	N/A	N/A	N/A	N/A	N/A	N/A
Q3577-04	WC-1A	N/A	N/A	N/A	N/A	100	N/A
Q3581-02	VNJ-238	N/A	N/A	N/A	N/A	100	N/A
Q3581-04	VNJ-245	N/A	N/A	N/A	N/A	100	N/A
Q3581-06	VNJ-240	N/A	N/A	N/A	N/A	100	N/A
Q3581-08	RBR200059	N/A	N/A	N/A	N/A	100	N/A
Q3598-02	EO-CONCRETE	N/A	N/A	N/A	N/A	100	N/A
Q3599-02	LIVINGSTON-SOIL	N/A	N/A	N/A	N/A	100	N/A
Q3601-04	TP-1	N/A	N/A	N/A	N/A	100	N/A
Q3601-08	TP-2	N/A	N/A	N/A	N/A	100	N/A
Q3601-12	TP-3	N/A	N/A	N/A	N/A	100	N/A
Q3601-16	TP-4	N/A	N/A	N/A	N/A	100	N/A
Q3601-20	TP-5	N/A	N/A	N/A	N/A	100	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP ZHE Q3577 **WorkList ID :** 193006 **Department :** TCLP Extraction **Date :** 11-10-2025 10:44:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3577-04	WC-1A	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D41	11/07/2025	1311 ZHE
Q3581-02	VNJ-238	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D41	11/07/2025	1311 ZHE
Q3581-04	VNJ-245	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D41	11/07/2025	1311 ZHE
Q3581-06	VNJ-240	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D41	11/07/2025	1311 ZHE
Q3581-08	RBR200059	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D41	11/07/2025	1311 ZHE
Q3598-02	EO-CONCRETE	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D41	11/07/2025	1311 ZHE
Q3599-02	LIVINGSTON-SOIL	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D41	11/10/2025	1311 ZHE
Q3601-04	TP-1	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D41	11/10/2025	1311 ZHE
Q3601-08	TP-2	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D41	11/10/2025	1311 ZHE
Q3601-12	TP-3	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D41	11/10/2025	1311 ZHE
Q3601-16	TP-4	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D41	11/10/2025	1311 ZHE
Q3601-20	TP-5	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D41	11/10/2025	1311 ZHE

Date/Time 11.10.25 17:30
Raw Sample Received by: [signature]
Raw Sample Relinquished by: [signature]

Date/Time 11.10.25 17:30
Raw Sample Received by: [signature]
Raw Sample Relinquished by: [signature]

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EXTRACTION LOGPAGE

PB170515

SOP ID: M3510C,3580A-Extraction SVOC-21

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3953

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,6,7

Extraction Start Date : 11/12/2025

Extraction Start Time : 10:44

Extraction End Date : 11/12/2025

Extraction End Time : 15:45

Concentration By: EH

Supervisor By : RUPESH

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

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6895
Surrogate	1.0ML	100/150 PPM	SP6869
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	E3980
Baked Na2SO4	N/A	EP2655
H2SO4 1:1	N/A	EP2657
10N NaoH	N/A	EP2658
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH Adjusted to < 2 with 1:1 H2SO4 & >12 with 10N NaOH, 1.5ML Vial Lot # 2210443.

KD Bath ID: WATER BATH-1

KD Bath Temperature: 60 °C

Envap ID: NE VAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/12/25	RS (Ext Lab)	JY/ SVOC
15:50	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170515

Analytical Method: M3510C,3580A-Extraction SVOC-21

Concentration Date: 11/12/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170493TB	PB170493TB	TCLP BNA	100	6	RUPESH	ritesh	1			SEP-1
PB170515BL	PB170515BL	TCLP BNA	1000	6	RUPESH	ritesh	1			2
PB170515BS	PB170515BS	TCLP BNA	1000	6	RUPESH	ritesh	1			3
Q3604-01	S-1	TCLP BNA	100	6	RUPESH	ritesh	1	A		4
Q3604-01MS	S-1MS	TCLP BNA	100	6	RUPESH	ritesh	1	A		5
Q3604-01MSD	S-1MSD	TCLP BNA	100	6	RUPESH	ritesh	1	A		6
Q3604-02	S-2	TCLP BNA	100	6	RUPESH	ritesh	1	A		7

RS
11/12

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

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TCLP EXTRACTION LOGPAGE

PB170493

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
PB170493TB	LEB493	03	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-1
Q3604-01	S-1	01	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q3604-02	S-2	02	100.03	2000	N/A	N/A	N/A	6.2	1.5	T-1

11/12/13

10:30

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

ALLIANCE PROJECT NO.
QUOTE NO. Q3607
COC Number 2046994

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: ROMAN E&G
ADDRESS: 14 OGDEN ST
CITY NEWARK STATE: NJ ZIP: 07104
ATTENTION: AMANDA Gentle
PHONE: 973-634-8218 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: New Brunswick LSRP
PROJECT NO.: 25-717 LOCATION: New Brunswick
PROJECT MANAGER: AMANDA Gentle
e-mail: Engineer@Romaneg.com
PHONE: 973-634-8218 FAX:

CLIENT BILLING INFORMATION

BILL TO: Roman E&G PO#: 25-717
ADDRESS: 14 OGDEN ST
CITY NEWARK STATE: NJ ZIP: 07104
ATTENTION: Frank Hotaling PHONE: 973-482-1123

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

PRESERVATIVES: 1 2 3 4 5 6 7 8 9

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

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
1. S-1	NB LSRP Stockpile	S			11/10	2:40 PM	3										
2. S-2	NB LSRP Stockpile	S			11/10	2:45 PM	3										
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Kevin Arnold	11/10/25 2:40	1. 1618 11-10-25
2.	DATE/TIME:	2.
3.	DATE/TIME:	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 15.7 °C NO ICE
Comments: SAMPLES From Stock Pile @ 19 Home Newark taken AT 5ft Deep / Field SAMPLE As Per SKetch Attached

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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

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

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

QA Control Code: A2070148