284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: Q2664

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration		C	MDL	RDL	Units
Client ID:	**GDW3**									
Q2664-01	GDW3	Water	2-Butanone		3.00		J	0.98	5.00	ug/L
Q2664-01	GDW3	Water	Benzene		2.10			0.15	1.00	ug/L
Q2664-01	GDW3	Water	Toluene		21.1			0.14	1.00	ug/L
Q2664-01	GDW3	Water	Ethyl Benzene		1.80			0.13	1.00	ug/L
Q2664-01	GDW3	Water	m/p-Xylenes		3.70			0.24	2.00	ug/L
Q2664-01	GDW3	Water	o-Xylene		2.00			0.12	1.00	ug/L
Q2664-01	GDW3	Water	1,2,4-Trimethylbenzene		0.41		J	0.14	1.00	ug/L
			Total Voc :			34.1				
Q2664-01	GDW3	Water	Acetone	*	6.40		J	1.50	5.00	ug/L
			Total Tics :			6.40				
			Total Concentration:			40.5				

SAMPLE DATA

Raw Data: **VN087386.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental		Date Collected:	07/21/25	
Project:	Nelson		Date Received:	07/21/25	
Client Sample ID:	GDW3		SDG No.:	Q2664	
Lab Sample ID:	Q2664-01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087386.D	1	07/21/25 17:29	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
107-02-8	Acrolein	7.10	U	7.10	25.0	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	3.00	J	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	2.10		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	21.1		0.14	1.00	ug/L

Raw Data: **VN087386.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	07/21/25
Project:	Nelson	Date Received:	07/21/25
Client Sample ID:	GDW3	SDG No.:	Q2664
Lab Sample ID:	Q2664-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087386.D	1	07/21/25 17:29	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.80		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	3.70		0.24	2.00	ug/L
95-47-6	o-Xylene	2.00		0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.41	J	0.14	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.2		74 - 125	112%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	51.5		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		77 - 121	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	203000	8.206			
540-36-3	1,4-Difluorobenzene	426000	9.083			
3114-55-4	Chlorobenzene-d5	399000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	197000	13.771			

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Report of Analysis

Client:	G Environmental		Date Collected:	07/21/25	
Project:	Nelson		Date Received:	07/21/25	
Client Sample ID:	GDW3		SDG No.:	Q2664	
Lab Sample ID:	Q2664-01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087386.D	1	07/21/25 17:29	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS						
67-64-1	Acetone	6.40	J		4.44	ug/L

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

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

QC SUMMARY

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

SDG No.: Q2664

Client: G Environmental

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2664-01	GDW3	1,2-Dichloroethane-d4	50	56.2	112		74	125
		Dibromofluoromethane	50	49.9	100		75	124
		Toluene-d8	50	51.5	103		86	113
		4-Bromofluorobenzene	50	50.5	101		77	121
VN0721WBL01	VN0721WBL01	1,2-Dichloroethane-d4	50	54.7	109		74	125
		Dibromofluoromethane	50	51.4	103		75	124
		Toluene-d8	50	51.0	102		86	113
		4-Bromofluorobenzene	50	46.4	93		77	121
VN0721WBS01	VN0721WBS01	1,2-Dichloroethane-d4	50	47.3	95		74	125
		Dibromofluoromethane	50	48.8	98		75	124
		Toluene-d8	50	50.4	101		86	113
		4-Bromofluorobenzene	50	49.9	100		77	121
VN0721WBSD0	VN0721WBSD01	1,2-Dichloroethane-d4	50	47.2	94		74	125
		Dibromofluoromethane	50	50.3	101		75	124
		Toluene-d8	50	50.6	101		86	113
		4-Bromofluorobenzene	50	50.0	100		77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2664 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN087371.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0721WBS01	Dichlorodifluoromethane	20	21.9	ug/L	110			69	116	
	Chloromethane	20	18.8	ug/L	94			65	116	
	Vinyl chloride	20	19.0	ug/L	95			65	117	
	Bromomethane	20	19.2	ug/L	96			58	125	
	Chloroethane	20	18.1	ug/L	91			56	128	
	Trichlorofluoromethane	20	19.1	ug/L	96			73	115	
	1,1,2-Trichlorotrifluoroethane	20	20.4	ug/L	102			80	112	
	1,1-Dichloroethene	20	18.1	ug/L	91			74	110	
	Acrolein	100	83.6	ug/L	84			28	144	
	Carbon disulfide	20	18.4	ug/L	92			64	112	
	Methyl tert-butyl Ether	20	17.2	ug/L	86			78	114	
	Methyl Acetate	20	17.6	ug/L	88			67	125	
	Methylene Chloride	20	17.3	ug/L	86			72	114	
	trans-1,2-Dichloroethene	20	17.8	ug/L	89			75	108	
	1,1-Dichloroethane	20	17.6	ug/L	88			78	112	
	Cyclohexane	20	20.1	ug/L	101			75	110	
	2-Butanone	100	86.4	ug/L	86			65	122	
	Carbon Tetrachloride	20	19.6	ug/L	98			77	113	
	cis-1,2-Dichloroethene	20	18.0	ug/L	90			77	110	
	Bromochloromethane	20	17.8	ug/L	89			70	124	
	Chloroform	20	17.9	ug/L	90			79	113	
	1,1,1-Trichloroethane	20	18.6	ug/L	93			80	108	
	Methylcyclohexane	20	20.9	ug/L	104			72	115	
	Benzene	20	19.4	ug/L	97			82	109	
	1,2-Dichloroethane	20	18.3	ug/L	92			80	115	
	Trichloroethene	20	18.8	ug/L	94			77	113	
	1,2-Dichloropropane	20	19.3	ug/L	97			83	111	
	Bromodichloromethane	20	18.3	ug/L	92			83	110	
	4-Methyl-2-Pentanone	100	92.0	ug/L	92			74	118	
	Toluene	20	19.2	ug/L	96			82	110	
	t-1,3-Dichloropropene	20	18.7	ug/L	94			79	110	
	cis-1,3-Dichloropropene	20	18.7	ug/L	94			82	110	
	1,1,2-Trichloroethane	20	18.7	ug/L	94			83	112	
	2-Hexanone	100	91.6	ug/L	92			73	117	
	Dibromochloromethane	20	18.8	ug/L	94			82	110	
	1,2-Dibromoethane	20	17.4	ug/L	87			81	110	
	Tetrachloroethene	20	18.3	ug/L	92			67	123	
	Chlorobenzene	20	18.6	ug/L	93			82	109	
	Ethyl Benzene	20	18.1	ug/L	91			83	109	
	m/p-Xylenes	40	39.5	ug/L	99			82	110	
	o-Xylene	20	18.4	ug/L	92			83	109	
	Styrene	20	19.3	ug/L	97			80	111	
	Bromoform	20	18.2	ug/L	91			79	109	
	Isopropylbenzene	20	19.5	ug/L	98			83	112	
	1,1,2,2-Tetrachloroethane	20	18.5	ug/L	93			76	118	
	1,2,4-Trimethylbenzene	20	20.1	ug/L	101			85	111	
	1,3-Dichlorobenzene	20	19.1	ug/L	96			82	108	
	1,4-Dichlorobenzene	20	18.0	ug/L	90			82	107	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2664 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN087371.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0721WBS01	1,2-Dichlorobenzene	20	19.3	ug/L	97			82	109	
	1,2-Dibromo-3-Chloropropane	20	16.3	ug/L	81			68	112	
	1,2,4-Trichlorobenzene	20	19.3	ug/L	97			75	113	
	1,2,3-Trichlorobenzene	20	19.0	ug/L	95			76	114	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2664 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN087372.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0721WBSD01	Dichlorodifluoromethane	20	22.4	ug/L	112	2		69	116	19
	Chloromethane	20	18.8	ug/L	94	0		65	116	21
	Vinyl chloride	20	19.0	ug/L	95	0		65	117	19
	Bromomethane	20	19.8	ug/L	99	3		58	125	20
	Chloroethane	20	18.5	ug/L	93	2		56	128	20
	Trichlorofluoromethane	20	19.7	ug/L	99	3		73	115	16
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/L	98	4		80	112	15
	1,1-Dichloroethene	20	17.6	ug/L	88	3		74	110	20
	Acrolein	100	87.1	ug/L	87	4		28	144	30
	Carbon disulfide	20	18.6	ug/L	93	1		64	112	20
	Methyl tert-butyl Ether	20	18.0	ug/L	90	5		78	114	20
	Methyl Acetate	20	18.3	ug/L	92	4		67	125	20
	Methylene Chloride	20	17.7	ug/L	89	3		72	114	20
	trans-1,2-Dichloroethene	20	17.9	ug/L	90	1		75	108	16
	1,1-Dichloroethane	20	18.2	ug/L	91	3		78	112	20
	Cyclohexane	20	19.8	ug/L	99	2		75	110	20
	2-Butanone	100	88.2	ug/L	88	2		65	122	26
	Carbon Tetrachloride	20	19.8	ug/L	99	1		77	113	15
	cis-1,2-Dichloroethene	20	18.4	ug/L	92	2		77	110	20
	Bromochloromethane	20	18.6	ug/L	93	4		70	124	20
	Chloroform	20	18.4	ug/L	92	2		79	113	20
	1,1,1-Trichloroethane	20	18.9	ug/L	95	2		80	108	20
	Methylcyclohexane	20	20.9	ug/L	104	0		72	115	20
	Benzene	20	19.2	ug/L	96	1		82	109	15
	1,2-Dichloroethane	20	18.8	ug/L	94	2		80	115	20
	Trichloroethene	20	18.8	ug/L	94	0		77	113	15
	1,2-Dichloropropane	20	19.3	ug/L	97	0		83	111	16
	Bromodichloromethane	20	18.8	ug/L	94	2		83	110	16
	4-Methyl-2-Pentanone	100	94.0	ug/L	94	2		74	118	25
	Toluene	20	19.5	ug/L	98	2		82	110	16
	t-1,3-Dichloropropene	20	18.6	ug/L	93	1		79	110	20
	cis-1,3-Dichloropropene	20	19.4	ug/L	97	3		82	110	16
	1,1,2-Trichloroethane	20	19.6	ug/L	98	4		83	112	20
	2-Hexanone	100	93.7	ug/L	94	2		73	117	25
	Dibromochloromethane	20	18.4	ug/L	92	2		82	110	20
	1,2-Dibromoethane	20	18.9	ug/L	95	9		81	110	20
	Tetrachloroethene	20	19.3	ug/L	97	5		67	123	15
	Chlorobenzene	20	18.6	ug/L	93	0		82	109	15
	Ethyl Benzene	20	18.7	ug/L	94	3		83	109	16
	m/p-Xylenes	40	38.8	ug/L	97	2		82	110	15
	o-Xylene	20	18.8	ug/L	94	2		83	109	20
	Styrene	20	19.4	ug/L	97	0		80	111	17
	Bromoform	20	18.8	ug/L	94	3		79	109	20
	Isopropylbenzene	20	19.3	ug/L	97	1		83	112	29
	1,1,2,2-Tetrachloroethane	20	19.0	ug/L	95	2		76	118	20
	1,2,4-Trimethylbenzene	20	19.9	ug/L	100	1		85	111	20
	1,3-Dichlorobenzene	20	19.3	ug/L	97	1		82	108	20
	1,4-Dichlorobenzene	20	18.4	ug/L	92	2		82	107	15

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2664 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN087372.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0721WBSD01	1,2-Dichlorobenzene	20	19.7	ug/L	99	2		82	109	20
	1,2-Dibromo-3-Chloropropane	20	16.6	ug/L	83	2		68	112	20
	1,2,4-Trichlorobenzene	20	18.5	ug/L	93	4		75	113	29
	1,2,3-Trichlorobenzene	20	18.4	ug/L	92	3		76	114	29

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN0721WBL01

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2664

Lab File ID: VN087370.D Lab Sample ID: VN0721WBL01

Date Analyzed: 07/21/2025 Time Analyzed: 11:34

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0721WBS01	VN0721WBS01	VN087371.D	07/21/2025
VN0721WBSD01	VN0721WBSD01	VN087372.D	07/21/2025
GDW3	Q2664-01	VN087386.D	07/21/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2664

Lab File ID: VN087327.D | BFB Injection Date: 07/16/2025

Instrument ID: MSVOA_N | BFB Injection Time: 16:10

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	50.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	70.9
175	5.0 - 9.0% of mass 174	3.6 (5.1) 1
176	95.0 - 101.0% of mass 174	68.7 (96.9) 1
177	5.0 - 9.0% of mass 176	4.8 (7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN087328.D	07/16/2025	17:05
VSTDICC005	VSTDICC005	VN087329.D	07/16/2025	17:27
VSTDICC020	VSTDICC020	VN087330.D	07/16/2025	17:49
VSTDICCC050	VSTDICCC050	VN087331.D	07/16/2025	18:11
VSTDICC100	VSTDICC100	VN087332.D	07/16/2025	18:32
VSTDICC150	VSTDICC150	VN087333.D	07/16/2025	18:54

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2664

Lab File ID: VN087367.D | BFB Injection Date: 07/21/2025

Instrument ID: MSVOA_N | BFB Injection Time: 10:05

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.1
75	30.0 - 60.0% of mass 95	52.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	1.5 (1.9) 1
174	50.0 - 100.0% of mass 95	75.2
175	5.0 - 9.0% of mass 174	6 (8) 1
176	95.0 - 101.0% of mass 174	72.4 (96.3) 1
177	5.0 - 9.0% of mass 176	5 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN087368.D	07/21/2025	10:38
VN0721WBL01	VN0721WBL01	VN087370.D	07/21/2025	11:34
VN0721WBS01	VN0721WBS01	VN087371.D	07/21/2025	11:55
VN0721WBSD01	VN0721WBSD01	VN087372.D	07/21/2025	12:30
GDW3	Q2664-01	VN087386.D	07/21/2025	17:29

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2664

Lab File ID: VN087368.D Date Analyzed: 07/21/2025

Instrument ID: MSVOA_N Time Analyzed: 10:38

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	202357	8.21	342303	9.08	307825	11.85
UPPER LIMIT	404714	8.706	684606	9.583	615650	12.347
LOWER LIMIT	101179	7.706	171152	8.583	153913	11.347
EPA SAMPLE NO.						
GDW3	203374	8.21	426252	9.08	398998	11.85
VN0721WBL01	164239	8.21	328305	9.08	300772	11.85
VN0721WBS01	195078	8.21	337215	9.09	308523	11.85
VN0721WBSD01	190787	8.21	328848	9.08	296338	11.85

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

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 LOWER 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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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2664

Lab File ID: VN087368.D Date Analyzed: 07/21/2025

Instrument ID: MSVOA_N Time Analyzed: 10:38

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	162263	13.77				
UPPER LIMIT	324526	14.27				
LOWER LIMIT	81131.5	13.27				
EPA SAMPLE NO.						
GDW3	197398	13.77				
VN0721WBL01	133337	13.77				
VN0721WBS01	161452	13.77				
VN0721WBSD01	158557	13.77				

IS4 = 1,4-Dichlorobenzene-d4

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 LOWER LIMIT = -0.50 minutes of internal standard RT

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

QC SAMPLE DATA

Raw Data: **VN087370.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	VN0721WBL01	SDG No.:	Q2664
Lab Sample ID:	VN0721WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087370.D	1	07/21/25 11:34	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
107-02-8	Acrolein	7.10	U	7.10	25.0	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	VN0721WBL01	SDG No.:	Q2664
Lab Sample ID:	VN0721WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087370.D	1	07/21/25 11:34	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.14	U	0.14	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.7		74 - 125	109%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	51.0		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.4		77 - 121	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	164000	8.212			
540-36-3	1,4-Difluorobenzene	328000	9.083			
3114-55-4	Chlorobenzene-d5	301000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	133000	13.771			

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Nelson			Date Received:	
Client Sample ID:	VN0721WBL01			SDG No.:	Q2664
Lab Sample ID:	VN0721WBL01			Matrix:	Water
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087370.D	1	07/21/25 11:34	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	VN0721WBS01	SDG No.:	Q2664
Lab Sample ID:	VN0721WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087371.D	1	07/21/25 11:55	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	21.9		0.22	1.00	ug/L
74-87-3	Chloromethane	18.8		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	19.0		0.26	1.00	ug/L
74-83-9	Bromomethane	19.2		1.40	5.00	ug/L
75-00-3	Chloroethane	18.1		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.1		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.4		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.1		0.23	1.00	ug/L
107-02-8	Acrolein	83.6		7.10	25.0	ug/L
75-15-0	Carbon Disulfide	18.4		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.2		0.16	1.00	ug/L
79-20-9	Methyl Acetate	17.6		0.27	1.00	ug/L
75-09-2	Methylene Chloride	17.3		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.8		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.6		0.23	1.00	ug/L
110-82-7	Cyclohexane	20.1		1.50	5.00	ug/L
78-93-3	2-Butanone	86.4		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.6		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.0		0.19	1.00	ug/L
74-97-5	Bromochloromethane	17.8		0.22	1.00	ug/L
67-66-3	Chloroform	17.9		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.6		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	20.9		0.16	1.00	ug/L
71-43-2	Benzene	19.4		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.3		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.8		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.3		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	18.3		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	92.0		0.68	5.00	ug/L
108-88-3	Toluene	19.2		0.14	1.00	ug/L

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Nelson		Date Received:		
Client Sample ID:	VN0721WBS01		SDG No.:	Q2664	
Lab Sample ID:	VN0721WBS01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087371.D	1	07/21/25 11:55	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.7		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.7		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.7		0.21	1.00	ug/L
591-78-6	2-Hexanone	91.6		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	18.8		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	17.4		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	18.3		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.6		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	18.1		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.5		0.24	2.00	ug/L
95-47-6	o-Xylene	18.4		0.12	1.00	ug/L
100-42-5	Styrene	19.3		0.15	1.00	ug/L
75-25-2	Bromoform	18.2		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	19.5		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.5		0.26	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	20.1		0.14	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.1		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.0		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.3		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.3		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.3		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.0		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.3		74 - 125	95%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		75 - 124	98%	SPK: 50
2037-26-5	Toluene-d8	50.4		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		77 - 121	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	195000	8.206			
540-36-3	1,4-Difluorobenzene	337000	9.088			
3114-55-4	Chlorobenzene-d5	309000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	161000	13.77			

Raw Data: **VN087371.D**

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Nelson			Date Received:	
Client Sample ID:	VN0721WBS01			SDG No.:	Q2664
Lab Sample ID:	VN0721WBS01			Matrix:	Water
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087371.D	1	07/21/25 11:55	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	VN0721WBSD01	SDG No.:	Q2664
Lab Sample ID:	VN0721WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087372.D	1	07/21/25 12:30	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	22.4		0.22	1.00	ug/L
74-87-3	Chloromethane	18.8		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	19.0		0.26	1.00	ug/L
74-83-9	Bromomethane	19.8		1.40	5.00	ug/L
75-00-3	Chloroethane	18.5		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.7		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.6		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.6		0.23	1.00	ug/L
107-02-8	Acrolein	87.1		7.10	25.0	ug/L
75-15-0	Carbon Disulfide	18.6		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.0		0.16	1.00	ug/L
79-20-9	Methyl Acetate	18.3		0.27	1.00	ug/L
75-09-2	Methylene Chloride	17.7		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.9		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.2		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.8		1.50	5.00	ug/L
78-93-3	2-Butanone	88.2		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.8		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.4		0.19	1.00	ug/L
74-97-5	Bromochloromethane	18.6		0.22	1.00	ug/L
67-66-3	Chloroform	18.4		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.9		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	20.9		0.16	1.00	ug/L
71-43-2	Benzene	19.2		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.8		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.8		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.3		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	18.8		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	94.0		0.68	5.00	ug/L
108-88-3	Toluene	19.5		0.14	1.00	ug/L

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	VN0721WBSD01	SDG No.:	Q2664
Lab Sample ID:	VN0721WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087372.D	1	07/21/25 12:30	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.6		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.4		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.6		0.21	1.00	ug/L
591-78-6	2-Hexanone	93.7		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	18.4		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.9		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	19.3		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.6		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	18.7		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	38.8		0.24	2.00	ug/L
95-47-6	o-Xylene	18.8		0.12	1.00	ug/L
100-42-5	Styrene	19.4		0.15	1.00	ug/L
75-25-2	Bromoform	18.8		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	19.3		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.0		0.26	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	19.9		0.14	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.3		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.4		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.7		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.6		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.5		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.4		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.2		74 - 125	94%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	50.6		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		77 - 121	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	191000	8.206			
540-36-3	1,4-Difluorobenzene	329000	9.082			
3114-55-4	Chlorobenzene-d5	296000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	159000	13.77			

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Nelson			Date Received:	
Client Sample ID:	VN0721WBSD01			SDG No.:	Q2664
Lab Sample ID:	VN0721WBSD01			Matrix:	Water
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087372.D	1	07/21/25 12:30	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q2664

Instrument ID: MSVOA_N Calibration Date(s): 07/16/2025 07/16/2025

Heated Purge: (Y/N) N Calibration Time(s): 17:05 18:54

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF001 = VN087328.D RRF005 = VN087329.D RRF020 = VN087330.D
RRF050 = VN087331.D RRF100 = VN087332.D RRF150 = VN087333.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.447	0.443	0.443	0.623	0.606	0.625	0.531	18
Chloromethane	0.714	0.659	0.588	0.690	0.659	0.698	0.668	6.7
Vinyl Chloride	0.554	0.665	0.623	0.728	0.692	0.720	0.664	9.9
Bromomethane		0.328	0.308	0.355	0.356	0.370	0.344	7.2
Chloroethane	0.396	0.485	0.431	0.441	0.415	0.429	0.433	7
Trichlorofluoromethane	0.959	0.975	0.963	1.025	0.960	1.007	0.981	2.8
1,1,2-Trichlorotrifluoroethane	0.463	0.495	0.539	0.525	0.491	0.509	0.504	5.3
1,1-Dichloroethene	0.635	0.641	0.553	0.545	0.514	0.537	0.571	9.4
Acrolein		0.140	0.112	0.121	0.130	0.143	0.129	9.9
Carbon Disulfide	1.686	1.685	1.669	1.733	1.643	1.739	1.693	2.2
Methyl tert-butyl Ether	1.911	2.099	2.106	2.167	2.129	2.213	2.104	4.9
Methyl Acetate	1.007	1.052	0.991	0.991	0.962	0.993	0.999	3
Methylene Chloride	1.107	0.788	0.700	0.672	0.655	0.672	0.766	22.7
trans-1,2-Dichloroethene	0.667	0.669	0.643	0.653	0.618	0.613	0.644	3.7
1,1-Dichloroethane	1.304	1.325	1.254	1.222	1.185	1.212	1.250	4.4
Cyclohexane		1.148	1.039	1.046	0.981	1.002	1.043	6.2
2-Butanone	0.552	0.608	0.650	0.643	0.617	0.618	0.615	5.7
Carbon Tetrachloride	0.453	0.523	0.498	0.517	0.504	0.518	0.502	5.1
cis-1,2-Dichloroethene	0.704	0.737	0.747	0.767	0.740	0.751	0.741	2.8
Bromochloromethane	0.596	0.640	0.578	0.595	0.597	0.584	0.598	3.6
Chloroform	1.181	1.299	1.303	1.279	1.214	1.234	1.251	4
1,1,1-Trichloroethane	1.043	1.146	1.096	1.084	1.049	1.085	1.084	3.4
Methylcyclohexane	0.447	0.442	0.482	0.529	0.519	0.541	0.493	8.6
Benzene	1.370	1.430	1.502	1.553	1.483	1.499	1.473	4.3
1,2-Dichloroethane	0.553	0.565	0.569	0.567	0.544	0.552	0.558	1.8
Trichloroethene	0.373	0.330	0.337	0.356	0.339	0.352	0.348	4.5
1,2-Dichloropropane	0.335	0.367	0.395	0.395	0.376	0.378	0.374	5.9
Bromodichloromethane	0.568	0.572	0.559	0.569	0.553	0.565	0.564	1.2
4-Methyl-2-Pentanone	0.551	0.641	0.685	0.689	0.658	0.652	0.646	7.8
Toluene	0.774	0.849	0.940	0.963	0.916	0.929	0.895	7.9

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q2664

Instrument ID: MSVOA_N Calibration Date(s): 07/16/2025 07/16/2025

Heated Purge: (Y/N) N Calibration Time(s): 17:05 18:54

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF001 = VN087328.D RRF005 = VN087329.D RRF020 = VN087330.D
RRF050 = VN087331.D RRF100 = VN087332.D RRF150 = VN087333.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.459	0.536	0.586	0.621	0.607	0.619	0.571	11.1
cis-1,3-Dichloropropene	0.489	0.564	0.602	0.632	0.620	0.632	0.590	9.4
1,1,2-Trichloroethane	0.367	0.364	0.365	0.367	0.357	0.354	0.362	1.6
2-Hexanone	0.279	0.373	0.465	0.495	0.481	0.479	0.429	19.9
Dibromochloromethane	0.352	0.416	0.425	0.430	0.424	0.433	0.413	7.4
1,2-Dibromoethane	0.367	0.373	0.391	0.385	0.381	0.389	0.381	2.5
Tetrachloroethene	0.329	0.338	0.317	0.320	0.310	0.317	0.322	3.2
Chlorobenzene	1.139	1.131	1.133	1.119	1.092	1.122	1.123	1.5
Ethyl Benzene	1.643	1.738	1.882	1.942	1.905	1.979	1.848	7
m/p-Xylenes	0.541	0.646	0.717	0.758	0.734	0.756	0.692	12.2
o-Xylene	0.491	0.606	0.702	0.723	0.710	0.734	0.661	14.4
Styrene	0.726	1.032	1.186	1.255	1.217	1.257	1.112	18.6
Bromoform	0.246	0.302	0.314	0.328	0.322	0.337	0.308	10.7
Isopropylbenzene	2.524	2.889	3.242	3.396	3.302	3.529	3.147	11.9
1,1,2,2-Tetrachloroethane	1.159	1.181	1.228	1.207	1.156	1.174	1.184	2.4
1,2,4-Trimethylbenzene	2.201	2.411	2.906	3.003	2.872	3.034	2.738	12.6
1,3-Dichlorobenzene	1.448	1.592	1.651	1.658	1.588	1.674	1.602	5.2
1,4-Dichlorobenzene	1.807	1.709	1.742	1.703	1.627	1.677	1.711	3.6
1,2-Dichlorobenzene	1.303	1.534	1.596	1.577	1.510	1.583	1.517	7.2
1,2-Dibromo-3-Chloropropane	0.339	0.325	0.304	0.302	0.290	0.305	0.311	5.8
1,2,4-Trichlorobenzene	0.761	0.860	0.875	0.937	0.921	0.994	0.891	8.9
1,2,3-Trichlorobenzene	0.803	0.844	0.887	0.922	0.917	0.992	0.894	7.4
1,2-Dichloroethane-d4		0.939	0.820	0.802	0.818	0.863	0.848	6.6
Dibromofluoromethane		0.347	0.341	0.332	0.348	0.356	0.345	2.6
Toluene-d8		1.180	1.176	1.224	1.255	1.316	1.230	4.7
4-Bromofluorobenzene		0.405	0.433	0.455	0.476	0.505	0.455	8.5

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG No.: Q2664
Instrument ID: MSVOA_N
Calibration Date/Time: 07/21/2025 10:38
Lab File ID: VN087368.D
Init. Calib. Date(s): 07/16/2025 07/16/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 17:05 18:54
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.531	0.655		23.35	20
Chloromethane	0.668	0.678	0.1	1.5	20
Vinyl Chloride	0.664	0.725		9.19	20
Bromomethane	0.344	0.335		-2.62	20
Chloroethane	0.433	0.443		2.31	20
Trichlorofluoromethane	0.981	1.080		10.09	20
1,1,2-Trichlorotrifluoroethane	0.504	0.578		14.68	20
1,1-Dichloroethene	0.571	0.556		-2.63	20
Acrolein	0.129	0.127		-1.55	20
Carbon Disulfide	1.693	1.786		5.49	20
Methyl tert-butyl Ether	2.104	2.165		2.9	20
Methyl Acetate	0.999	0.952		-4.7	20
Methylene Chloride	0.766	0.680		-11.23	20
trans-1,2-Dichloroethene	0.644	0.639		-0.78	20
1,1-Dichloroethane	1.250	1.246	0.1	-0.32	20
Cyclohexane	1.043	1.138		9.11	20
2-Butanone	0.615	0.586		-4.72	20
Carbon Tetrachloride	0.502	0.596		18.73	20
cis-1,2-Dichloroethene	0.741	0.765		3.24	20
Bromochloromethane	0.598	0.602		0.67	20
Chloroform	1.251	1.287		2.88	20
1,1,1-Trichloroethane	1.084	1.134		4.61	20
Methylcyclohexane	0.493	0.642		30.22	20
Benzene	1.473	1.638		11.2	20
1,2-Dichloroethane	0.558	0.595		6.63	20
Trichloroethene	0.348	0.383		10.06	20
1,2-Dichloropropane	0.374	0.421		12.57	20
Bromodichloromethane	0.564	0.593		5.14	20
4-Methyl-2-Pentanone	0.646	0.672		4.03	20
Toluene	0.895	1.007		12.51	20
t-1,3-Dichloropropene	0.571	0.634		11.03	20
cis-1,3-Dichloropropene	0.590	0.666		12.88	20
1,1,2-Trichloroethane	0.362	0.377		4.14	20
2-Hexanone	0.429	0.471		9.79	20
Dibromochloromethane	0.413	0.442		7.02	20
1,2-Dibromoethane	0.381	0.399		4.72	20
Tetrachloroethene	0.322	0.364		13.04	20
Chlorobenzene	1.123	1.199	0.3	6.77	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q2664

Instrument ID: MSVOA_N Calibration Date/Time: 07/21/2025 10:38

Lab File ID: VN087368.D Init. Calib. Date(s): 07/16/2025 07/16/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 17:05 18:54

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.848	2.112		14.29	20
m/p-Xylenes	0.692	0.827		19.51	20
o-Xylene	0.661	0.783		18.46	20
Styrene	1.112	1.331		19.69	20
Bromoform	0.308	0.332	0.1	7.79	20
Isopropylbenzene	3.147	3.856		22.53	20
1,1,2,2-Tetrachloroethane	1.184	1.213	0.3	2.45	20
1,2,4-Trimethylbenzene	2.738	3.304		20.67	20
1,3-Dichlorobenzene	1.602	1.782		11.24	20
1,4-Dichlorobenzene	1.711	1.821		6.43	20
1,2-Dichlorobenzene	1.517	1.679		10.68	20
1,2-Dibromo-3-Chloropropane	0.311	0.293		-5.79	20
1,2,4-Trichlorobenzene	0.891	1.041		16.83	20
1,2,3-Trichlorobenzene	0.894	1.020		14.09	20
1,2-Dichloroethane-d4	0.848	0.831		-2.01	20
Dibromofluoromethane	0.345	0.356		3.19	20
Toluene-d8	1.230	1.321		7.4	20
4-Bromofluorobenzene	0.455	0.481		5.71	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087386.D
Acq On : 21 Jul 2025 17:29
Operator : JC\MD
Sample : Q2664-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GDW3

Quant Time: Jul 22 03:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

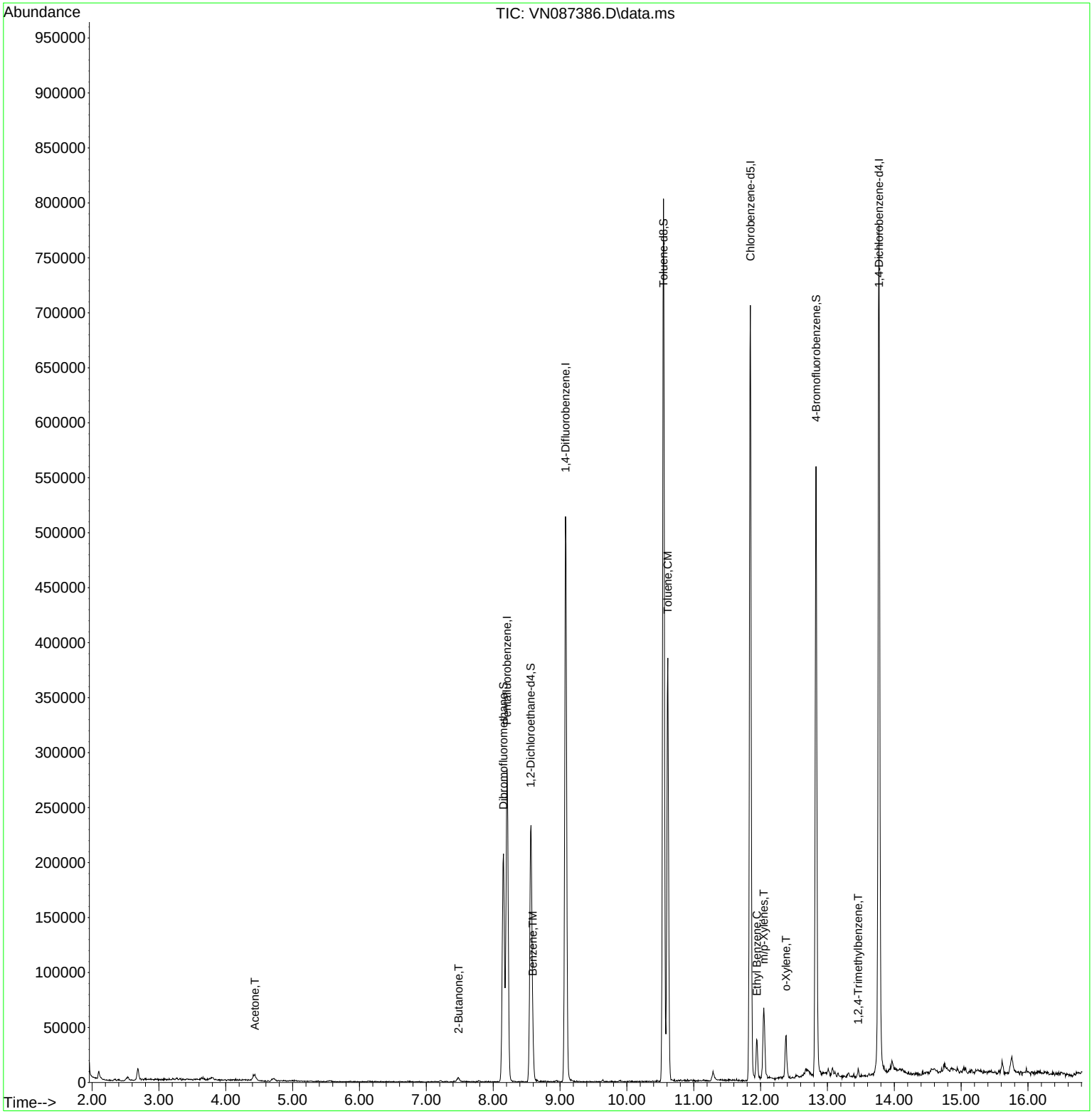
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	203374	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	426252	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	398998	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	197398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	193801	56.161	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.320%			
35) Dibromofluoromethane	8.154	113	146796	49.926	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.860%			
50) Toluene-d8	10.547	98	539733	51.460	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.920%			
62) 4-Bromofluorobenzene	12.830	95	195684	50.500	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.000%			
Target Compounds						Qvalue
16) Acetone	4.436	43	10329	6.384	ug/l	100
25) 2-Butanone	7.483	43	7512	3.005	ug/l #	88
40) Benzene	8.595	78	25936	2.066	ug/l	92
52) Toluene	10.612	92	160814	21.073	ug/l	95
67) Ethyl Benzene	11.947	91	26150	1.773	ug/l	100
68) m/p-Xylenes	12.047	106	20628	3.736	ug/l	98
69) o-Xylene	12.383	106	10584	2.007	ug/l	95
84) 1,2,4-Trimethylbenzene	13.459	105	4473	0.414	ug/l	96

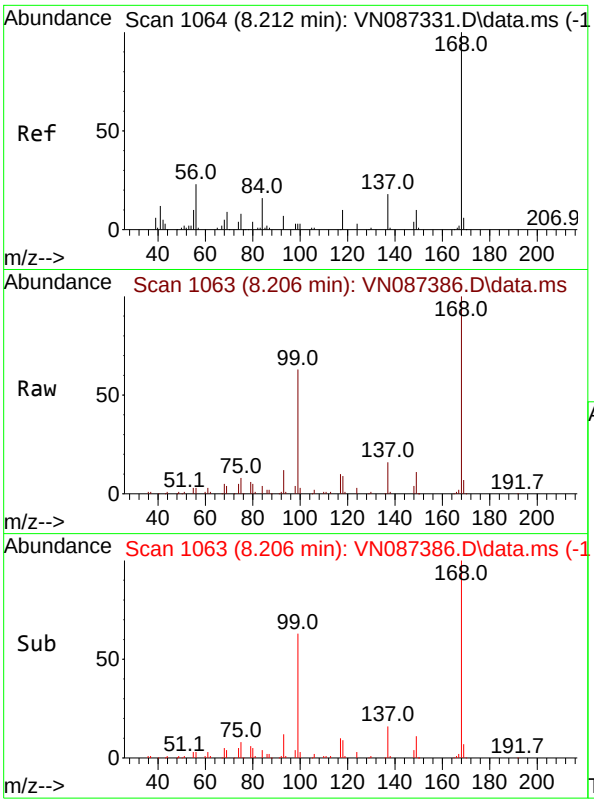
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087386.D
Acq On : 21 Jul 2025 17:29
Operator : JC\MD
Sample : Q2664-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GDW3

Quant Time: Jul 22 03:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration



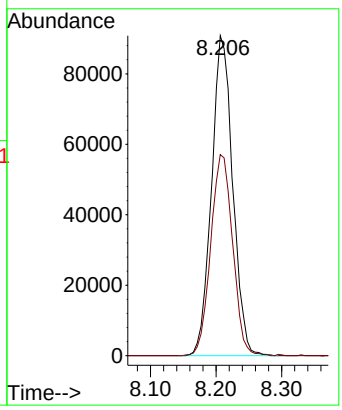


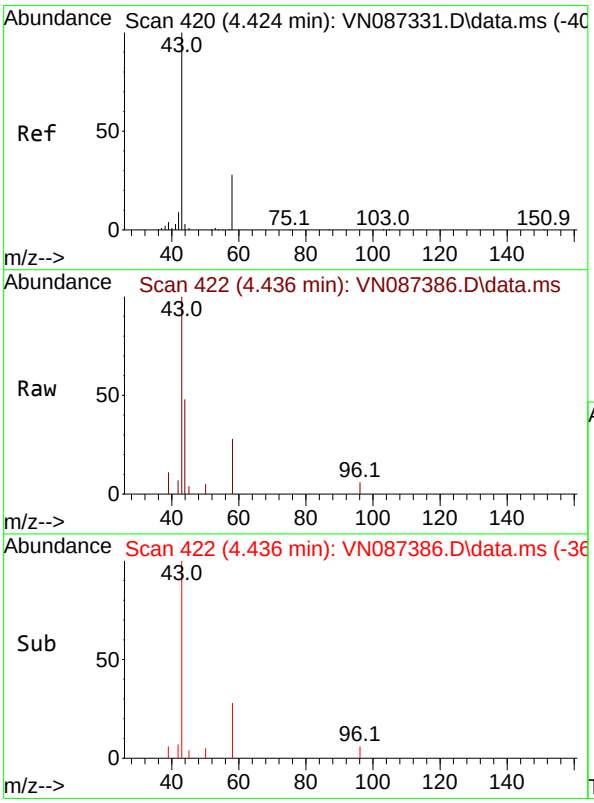
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087386.D
Acq: 21 Jul 2025 17:29

Instrument :
MSVOA_N
ClientSampleId :
GDW3

Tgt Ion:168 Resp: 203374

Ion	Ratio	Lower	Upper
168	100		
99	62.9	47.9	71.9

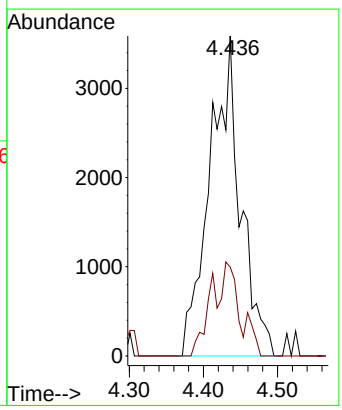


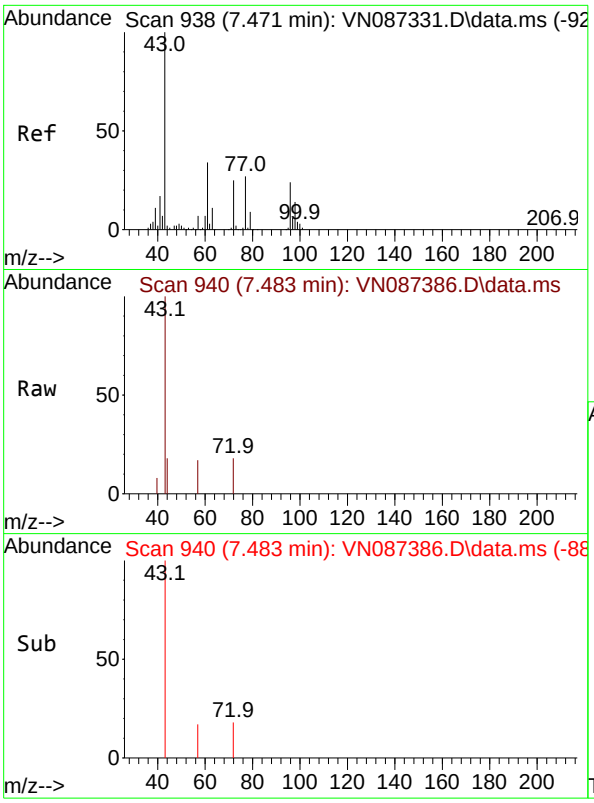


#16
Acetone
Concen: 6.384 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN087386.D
Acq: 21 Jul 2025 17:29

Tgt Ion: 43 Resp: 10329

Ion	Ratio	Lower	Upper
43	100		
58	27.8	22.3	33.5



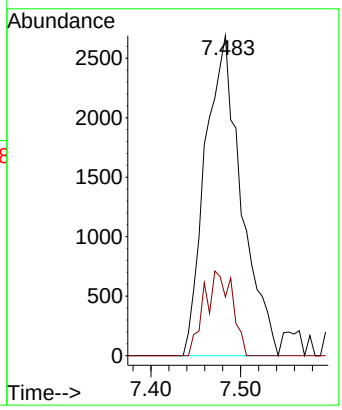


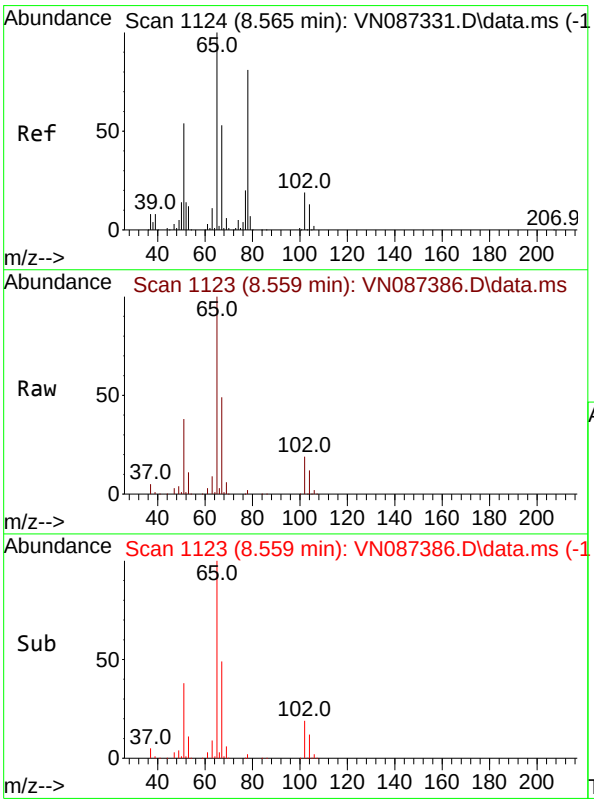
#25
2-Butanone
Concen: 3.005 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN087386.D
Acq: 21 Jul 2025 17:29

Instrument :
MSVOA_N
ClientSampleId :
GDW3

Tgt Ion: 43 Resp: 7512

Ion	Ratio	Lower	Upper
43	100		
72	18.4	19.6	29.4#

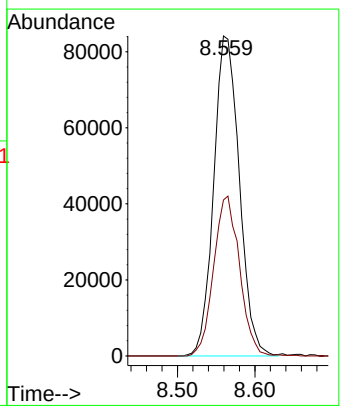


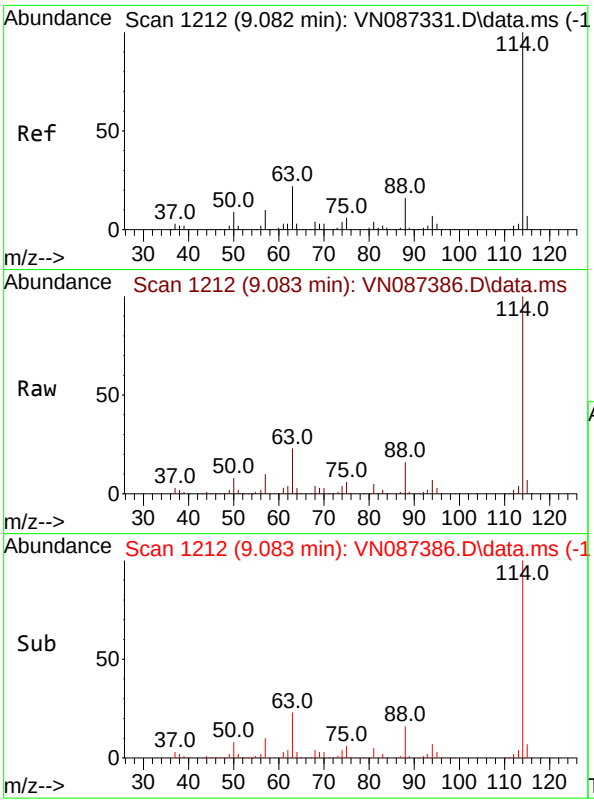


#33
1,2-Dichloroethane-d4
Concen: 56.161 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.005 min
Lab File: VN087386.D
Acq: 21 Jul 2025 17:29

Tgt Ion: 65 Resp: 193801

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	104.0



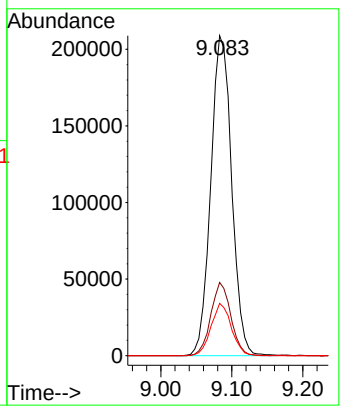


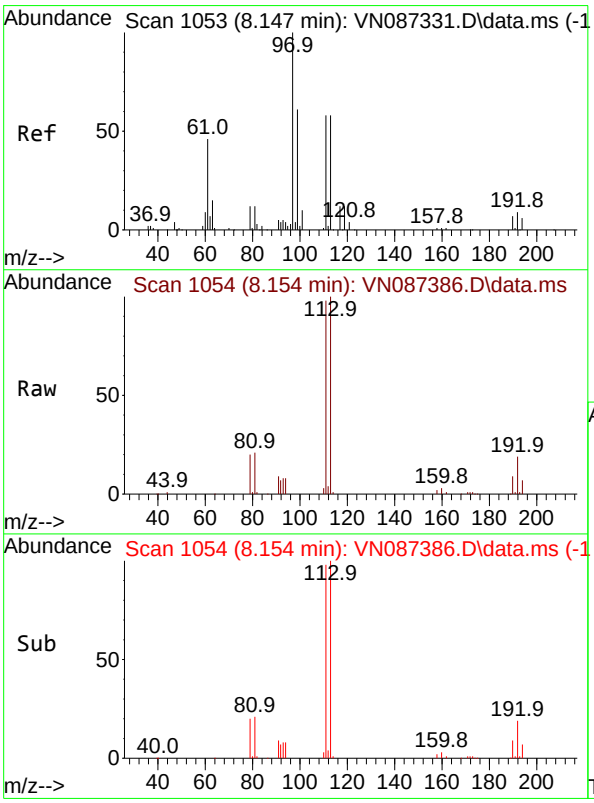
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN087386.D
Acq: 21 Jul 2025 17:29

Instrument :
MSVOA_N
ClientSampleId :
GDW3

Tgt Ion:114 Resp: 426252

Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	44.6
88	16.4	0.0	32.8

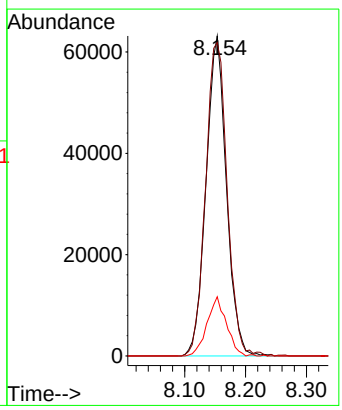


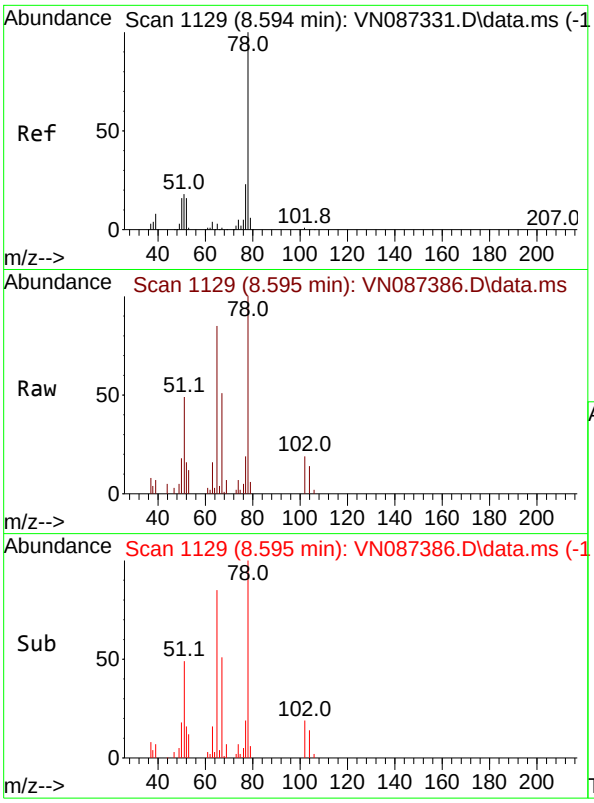


#35
Dibromofluoromethane
Concen: 49.926 ug/l
RT: 8.154 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087386.D
Acq: 21 Jul 2025 17:29

Tgt Ion:113 Resp: 146796

Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.5	123.7
192	17.7	13.7	20.5



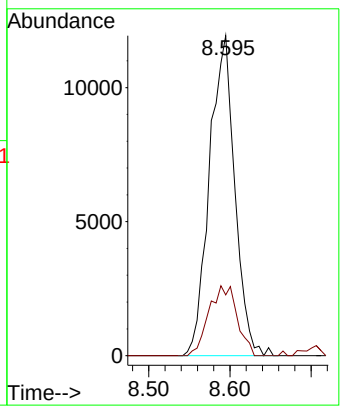


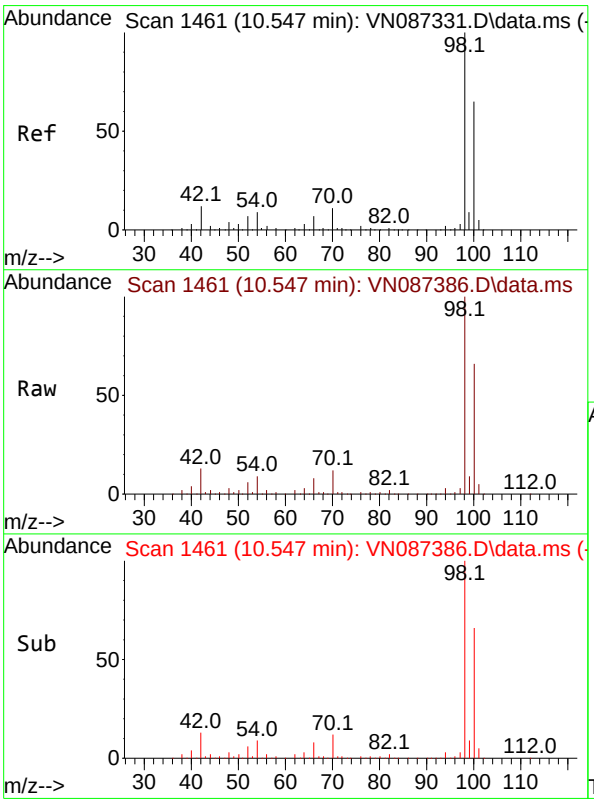
#40
Benzene
Concen: 2.066 ug/l
RT: 8.595 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN087386.D
Acq: 21 Jul 2025 17:29

Instrument :
MSVOA_N
ClientSampleId :
GDW3

Tgt Ion: 78 Resp: 25936

Ion	Ratio	Lower	Upper
78	100		
77	19.0	18.2	27.2

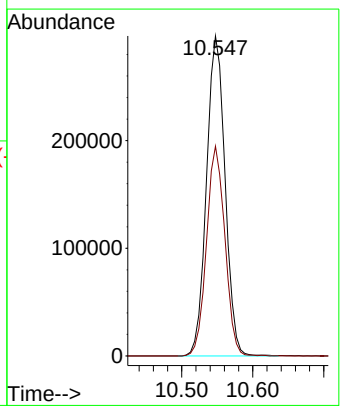


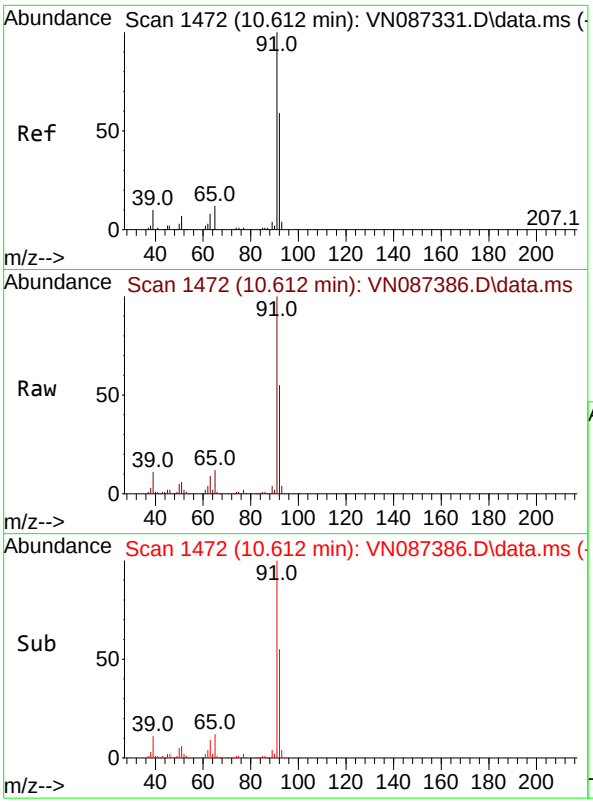


#50
Toluene-d8
Concen: 51.460 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087386.D
Acq: 21 Jul 2025 17:29

Tgt Ion: 98 Resp: 539733

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.1	78.1



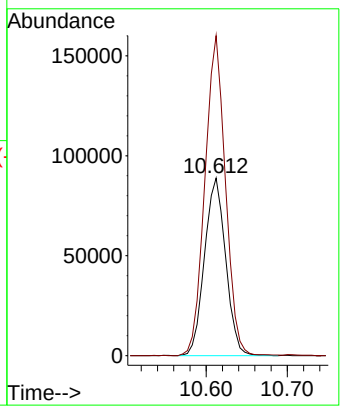


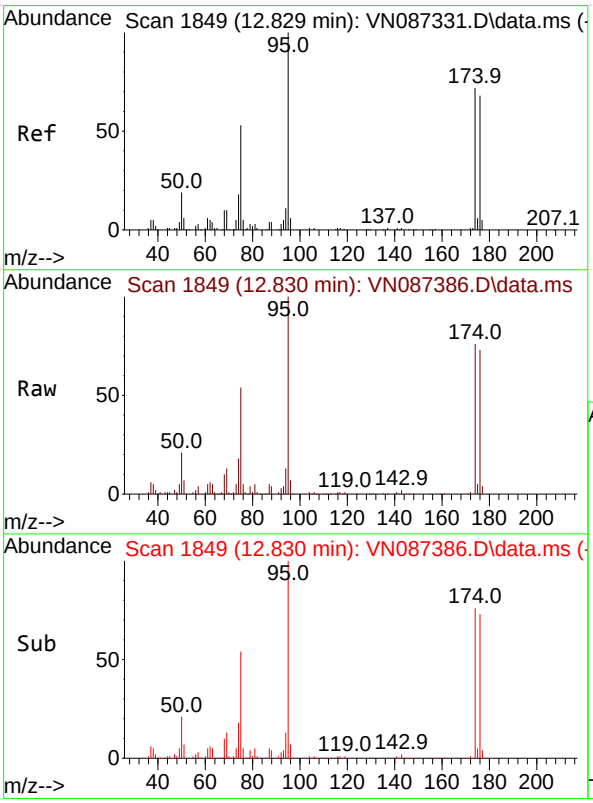
#52
Toluene
Concen: 21.073 ug/l
RT: 10.612 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN087386.D
Acq: 21 Jul 2025 17:29

Instrument :
MSVOA_N
ClientSampleId :
GDW3

Tgt Ion: 92 Resp: 160814

Ion	Ratio	Lower	Upper
92	100		
91	175.2	135.1	202.7

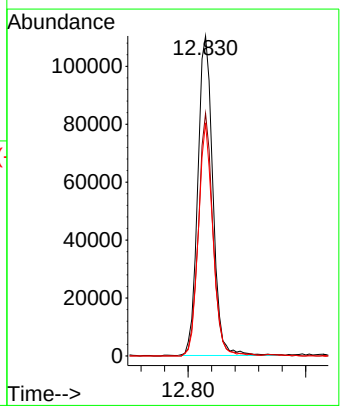


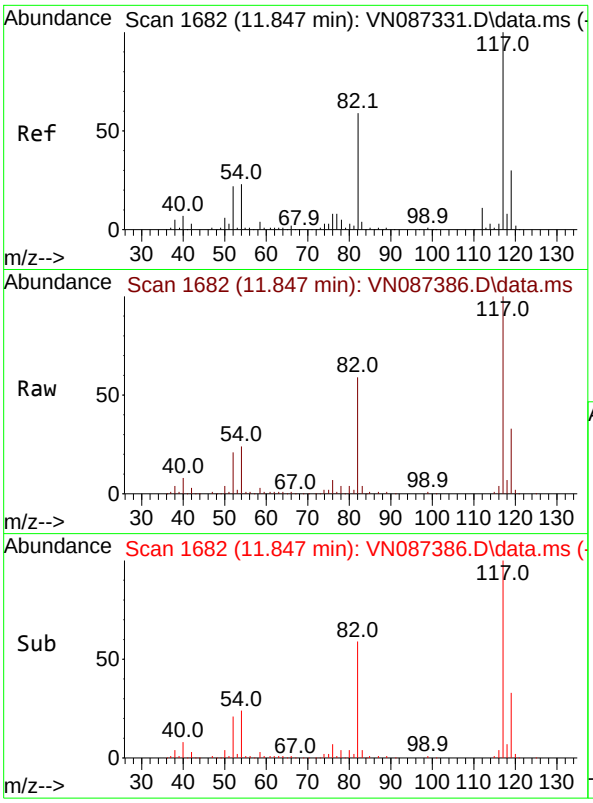


#62
4-Bromofluorobenzene
Concen: 50.500 ug/l
RT: 12.830 min Scan# 1849
Delta R.T. 0.001 min
Lab File: VN087386.D
Acq: 21 Jul 2025 17:29

Tgt Ion: 95 Resp: 195684

Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	149.4
176	70.0	0.0	141.2



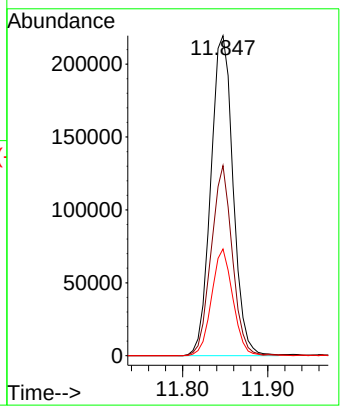


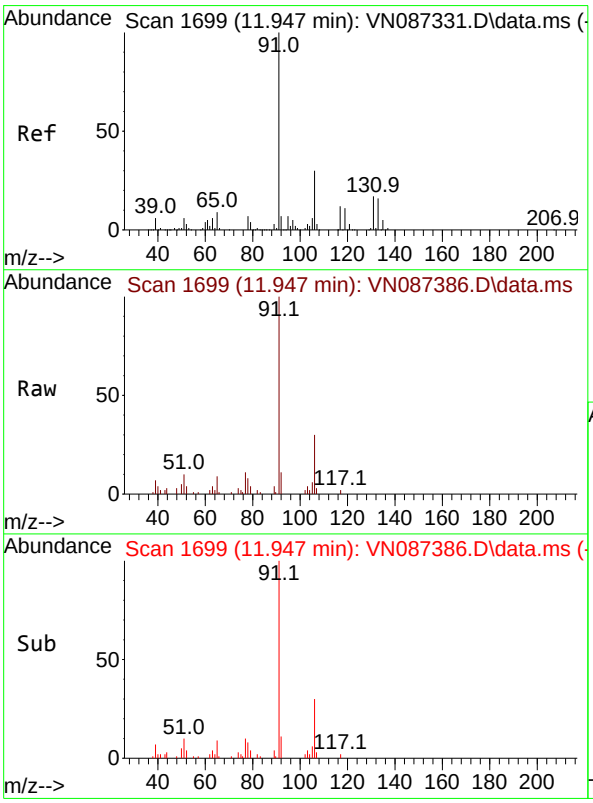
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087386.D
Acq: 21 Jul 2025 17:29

Instrument :
MSVOA_N
ClientSampleId :
GDW3

Tgt Ion:117 Resp: 398998

Ion	Ratio	Lower	Upper
117	100		
82	59.4	47.4	71.2
119	33.4	23.8	35.8

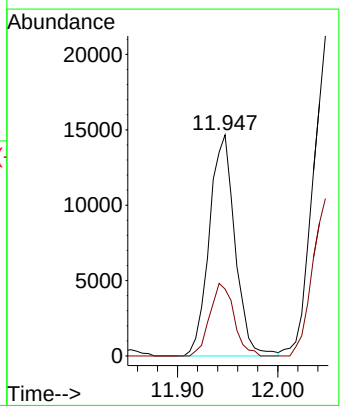


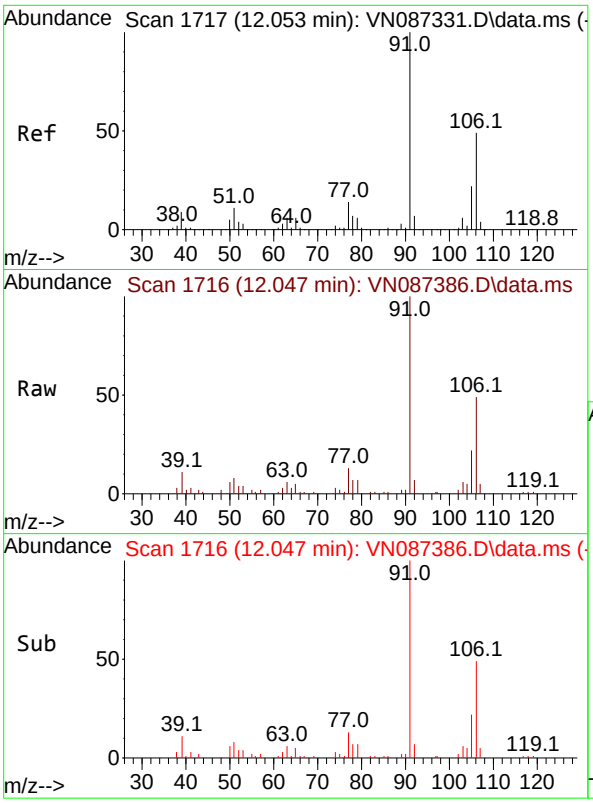


#67
Ethyl Benzene
Concen: 1.773 ug/l
RT: 11.947 min Scan# 1699
Delta R.T. 0.001 min
Lab File: VN087386.D
Acq: 21 Jul 2025 17:29

Tgt Ion: 91 Resp: 26150

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.3	36.5



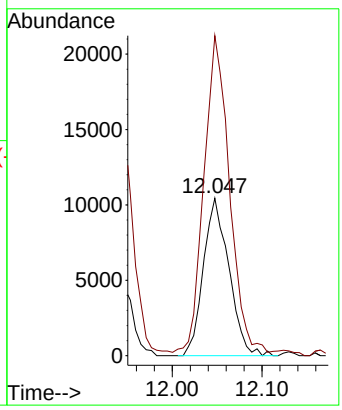


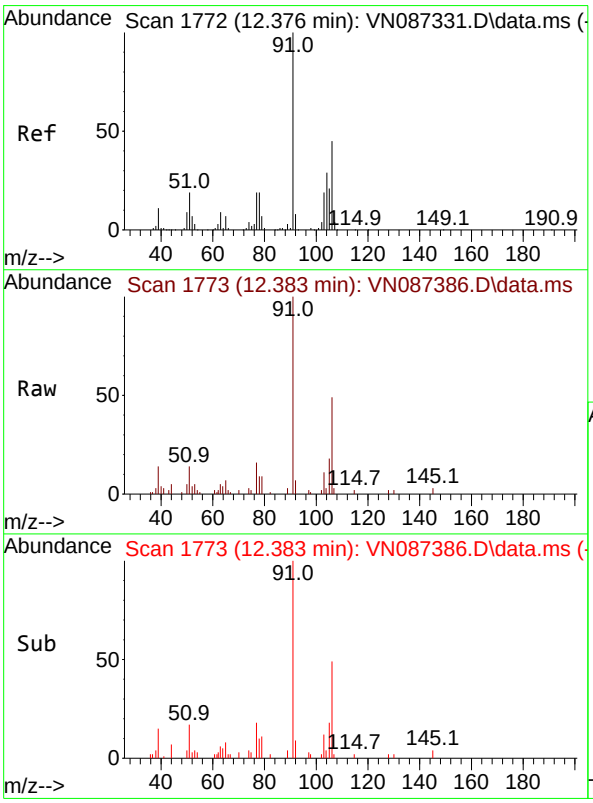
#68
m/p-Xylenes
Concen: 3.736 ug/l
RT: 12.047 min Scan# 1
Delta R.T. -0.005 min
Lab File: VN087386.D
Acq: 21 Jul 2025 17:29

Instrument :
MSVOA_N
ClientSampleId :
GDW3

Tgt Ion:106 Resp: 20628

Ion	Ratio	Lower	Upper
106	100		
91	199.9	162.0	243.0

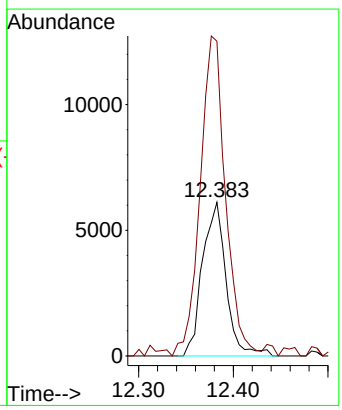


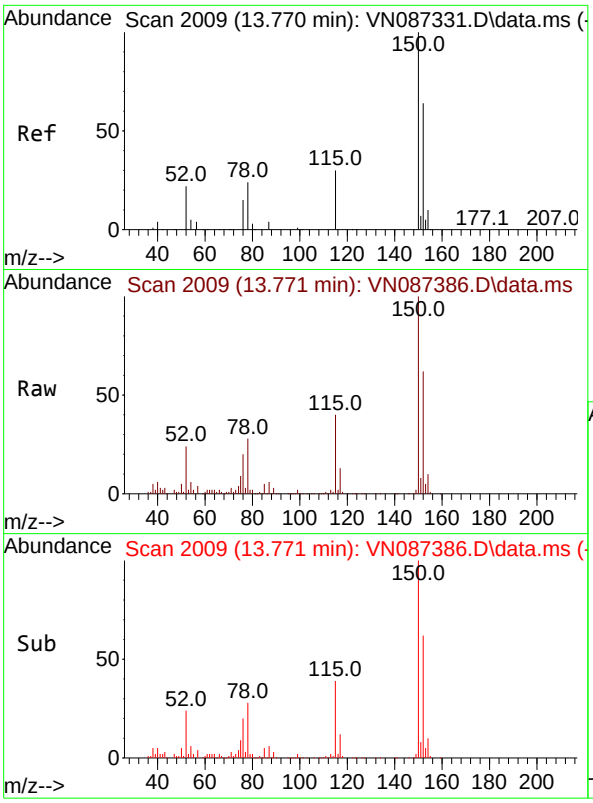


#69
o-Xylene
Concen: 2.007 ug/l
RT: 12.383 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VN087386.D
Acq: 21 Jul 2025 17:29

Tgt Ion:106 Resp: 10584

Ion	Ratio	Lower	Upper
106	100		
91	223.5	107.7	323.3



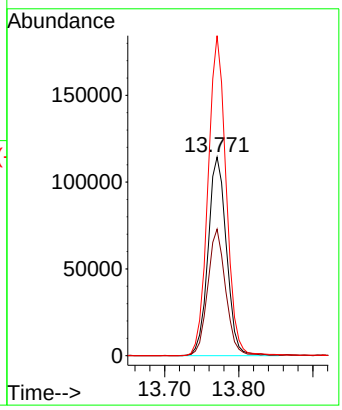


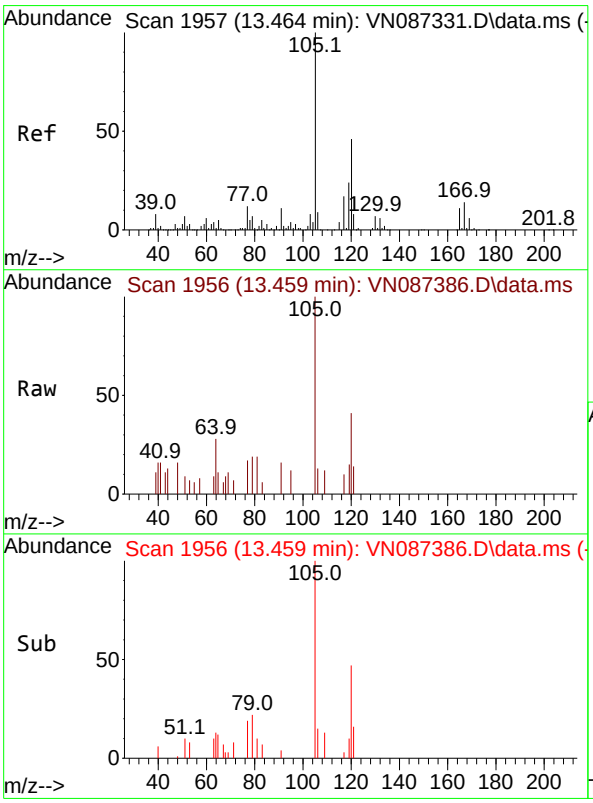
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2
Delta R.T. 0.001 min
Lab File: VN087386.D
Acq: 21 Jul 2025 17:29

Instrument :
MSVOA_N
ClientSampleId :
GDW3

Tgt Ion:152 Resp: 197398

Ion	Ratio	Lower	Upper
152	100		
115	62.4	31.1	93.5
150	158.8	0.0	349.0

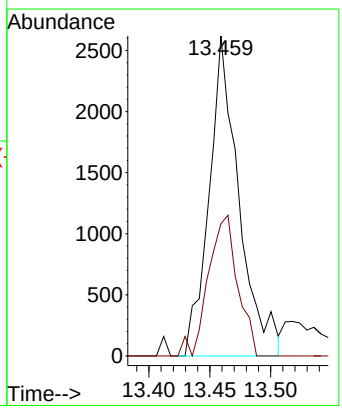




#84
1,2,4-Trimethylbenzene
Concen: 0.414 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.005 min
Lab File: VN087386.D
Acq: 21 Jul 2025 17:29

Tgt Ion:105 Resp: 4473

Ion	Ratio	Lower	Upper
105	100		
120	43.0	22.8	68.3



Sample Results: **VN087386.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087386.D
Acq On : 21 Jul 2025 17:29
Operator : JC\MD
Sample : Q2664-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GDW3

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Title : SW846 8260

Signal : TIC: VN087386.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.683	116	124	130	rBV2	10578	20835	1.42%	0.232%
2	8.154	1041	1054	1058	rBV	207591	482995	32.82%	5.380%
3	8.206	1058	1063	1077	rVB	284179	653869	44.44%	7.283%
4	8.565	1115	1124	1137	rBV3	233443	583722	39.67%	6.502%
5	9.083	1203	1212	1225	rBV	514091	1050810	71.41%	11.705%
6	10.547	1452	1461	1467	rBV	802985	1471444	100.00%	16.390%
7	10.612	1467	1472	1480	rVB	384029	683175	46.43%	7.610%
8	11.289	1580	1587	1599	rBV4	8784	22257	1.51%	0.248%
9	11.847	1673	1682	1693	rBV	705603	1272276	86.46%	14.171%
10	11.942	1693	1698	1705	rVB	35279	63530	4.32%	0.708%
11	12.047	1710	1716	1726	rVB2	64197	133492	9.07%	1.487%
12	12.383	1767	1773	1781	rVB2	38661	72723	4.94%	0.810%
13	12.830	1842	1849	1862	rBV	554820	968142	65.80%	10.784%
14	13.771	1995	2009	2026	rBV	773914	1431102	97.26%	15.940%
15	15.612	2317	2322	2329	rVB3	12690	23767	1.62%	0.265%
16	15.759	2338	2347	2354	rBV8	15796	43649	2.97%	0.486%

Sum of corrected areas: 8977788

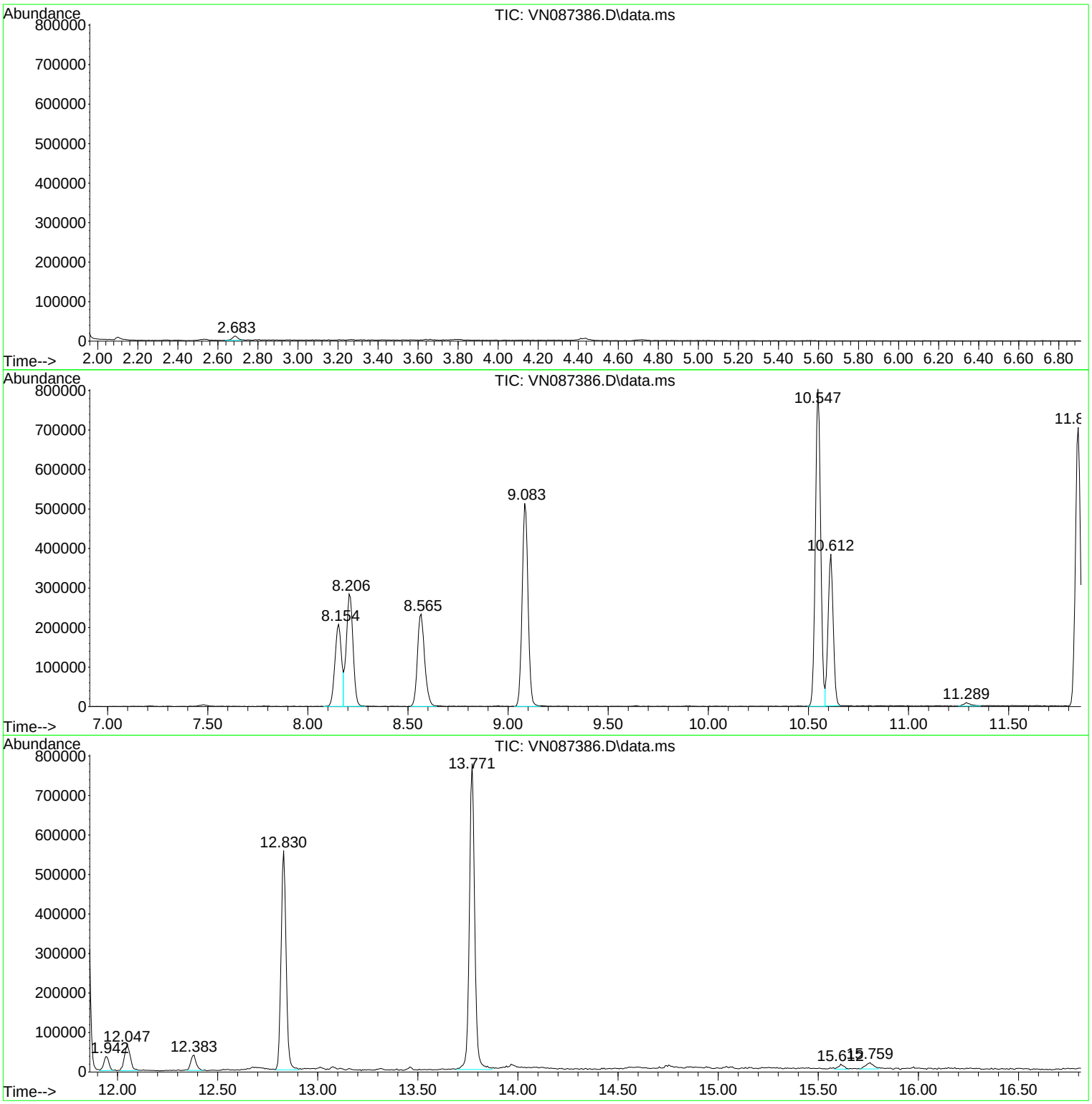
Sample Results: **VN087386.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087386.D
Acq On : 21 Jul 2025 17:29
Operator : JC\MD
Sample : Q2664-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GDW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VN087386.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087386.D
Acq On : 21 Jul 2025 17:29
Operator : JC\MD
Sample : Q2664-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GDW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087386.D
Acq On : 21 Jul 2025 17:29
Operator : JC\MD
Sample : Q2664-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GDW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087370.D
Acq On : 21 Jul 2025 11:34
Operator : JC\MD
Sample : VN0721WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Quant Time: Jul 22 03:04:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

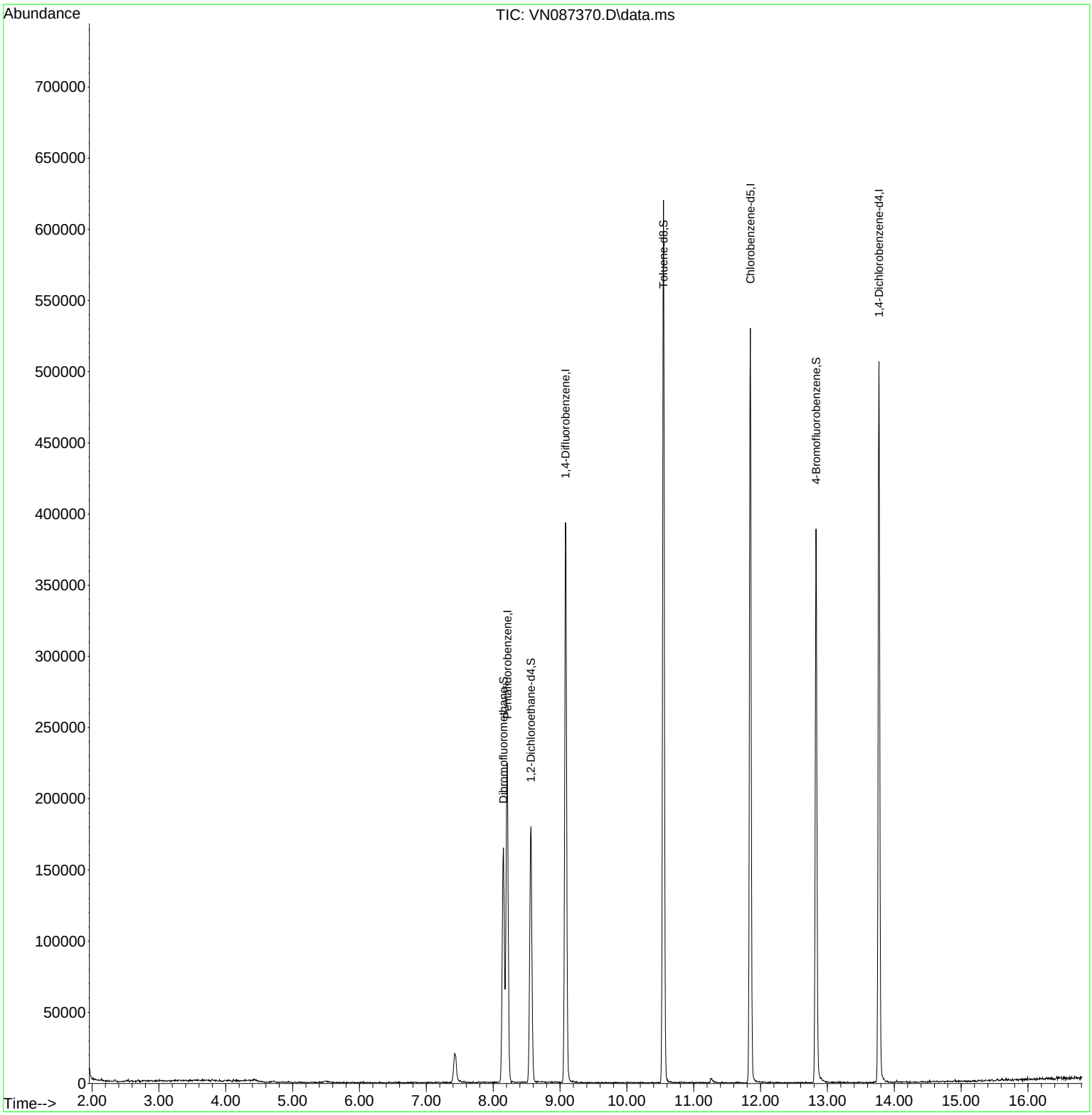
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.212	168	164239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	328305	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	300772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	133337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	152384	54.681	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.360%			
35) Dibromofluoromethane	8.153	113	116283	51.347	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.700%			
50) Toluene-d8	10.547	98	411775	50.973	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.940%			
62) 4-Bromofluorobenzene	12.829	95	138566	46.428	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.860%			
Target Compounds						Qvalue

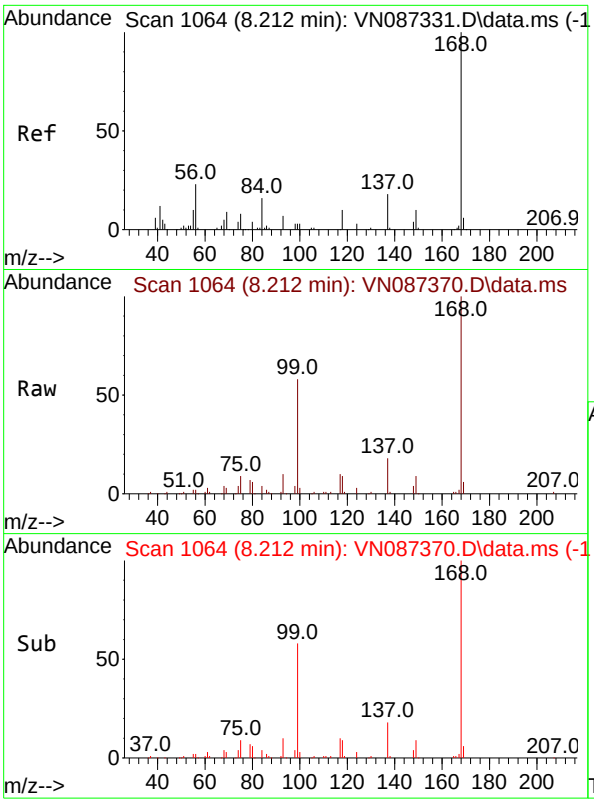
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087370.D
Acq On : 21 Jul 2025 11:34
Operator : JC\MD
Sample : VN0721WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Quant Time: Jul 22 03:04:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration



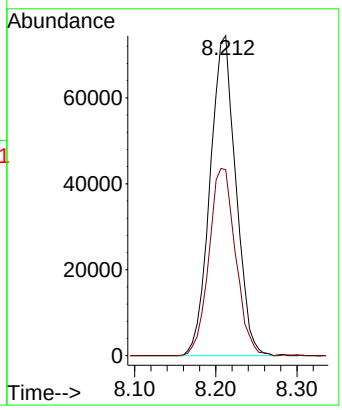


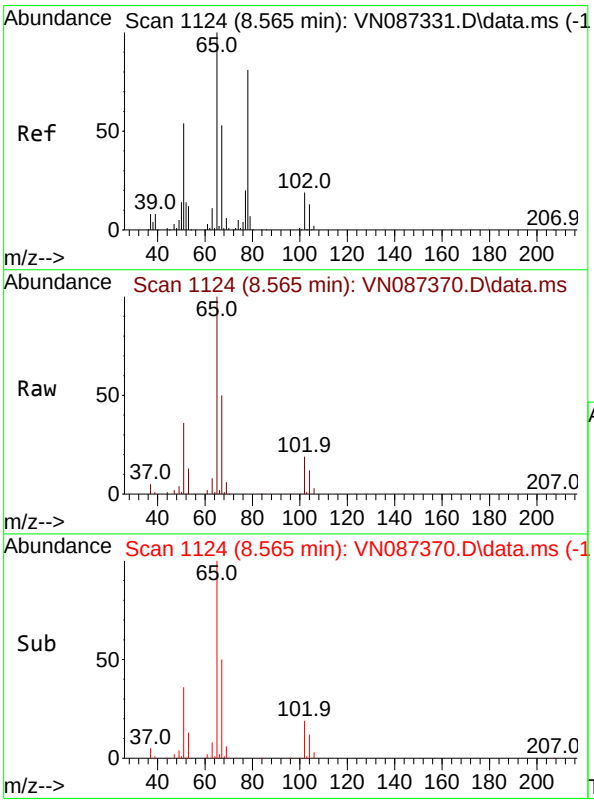
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Tgt Ion:168 Resp: 164239

Ion	Ratio	Lower	Upper
168	100		
99	58.1	47.9	71.9

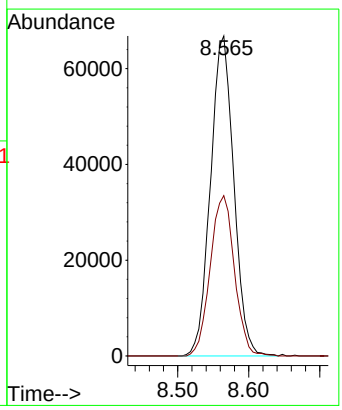


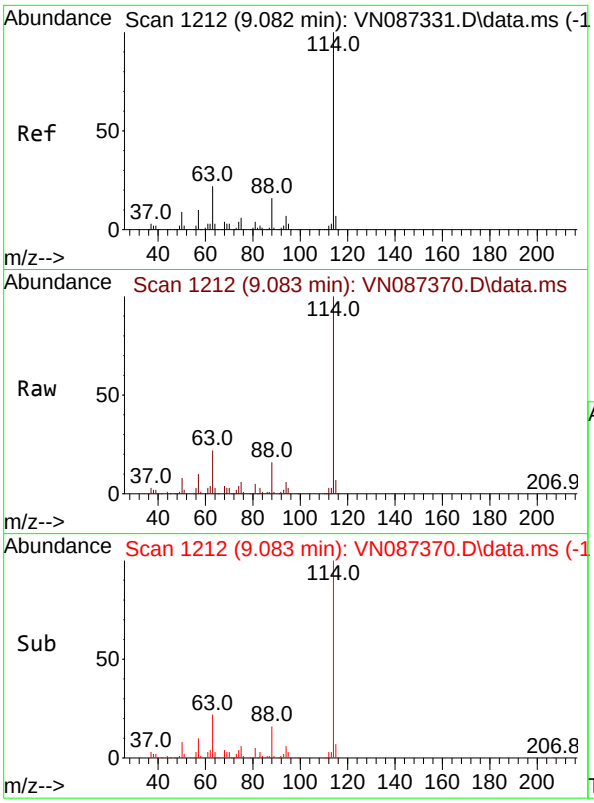


#33
1,2-Dichloroethane-d4
Concen: 54.681 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Tgt Ion: 65 Resp: 152384

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.0



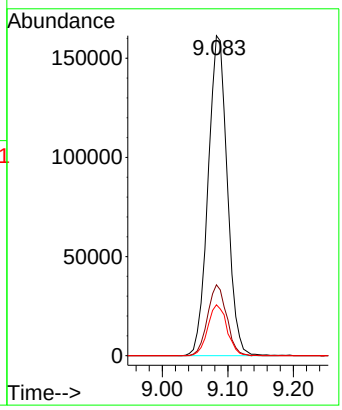


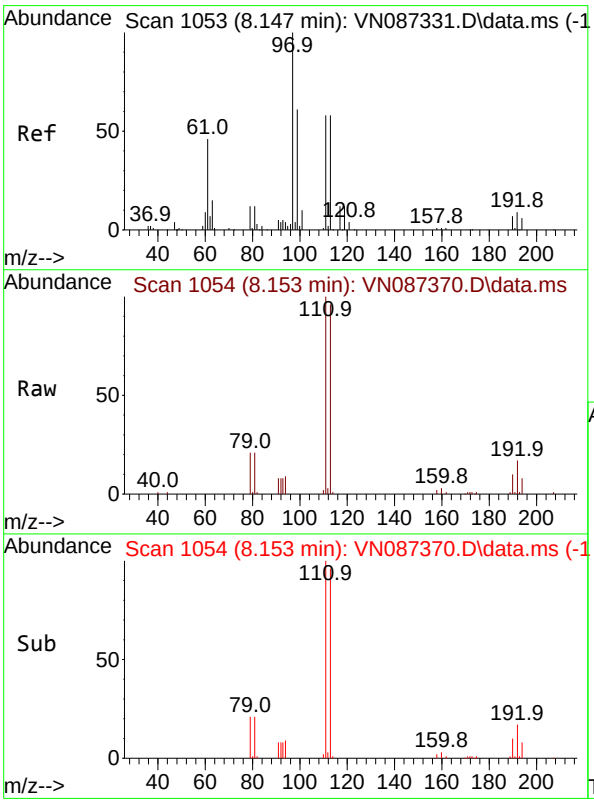
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Tgt Ion:114 Resp: 328305

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	44.6
88	15.9	0.0	32.8

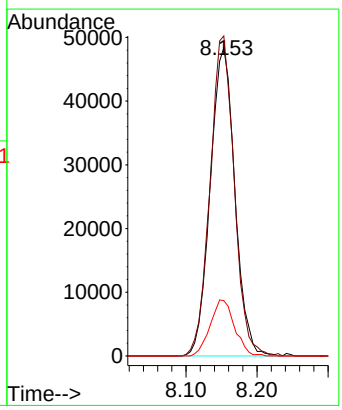


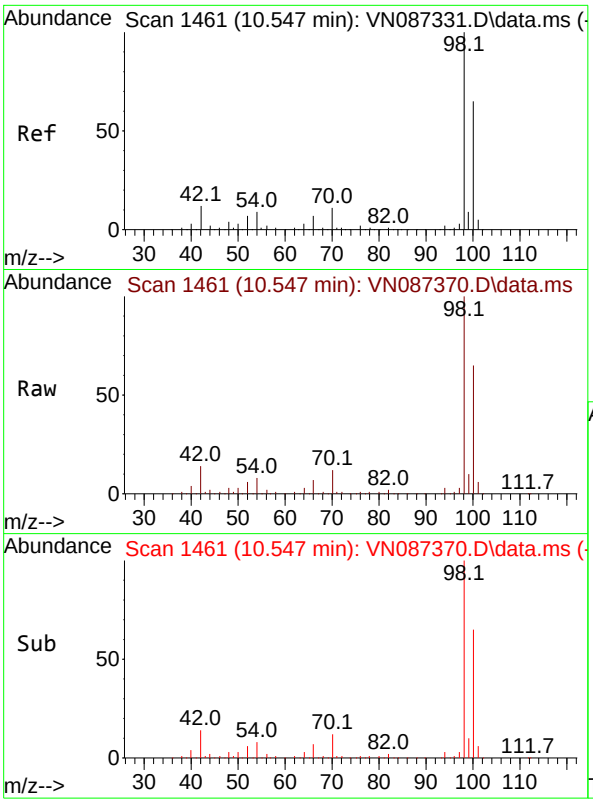


#35
Dibromofluoromethane
Concen: 51.347 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Tgt Ion:113 Resp: 116283

Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.5	123.7
192	18.0	13.7	20.5



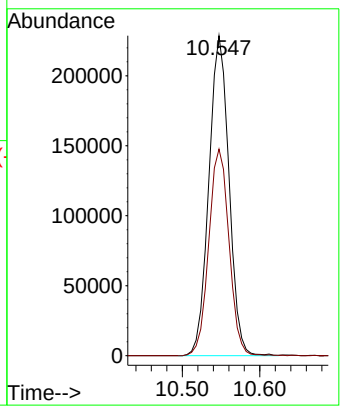


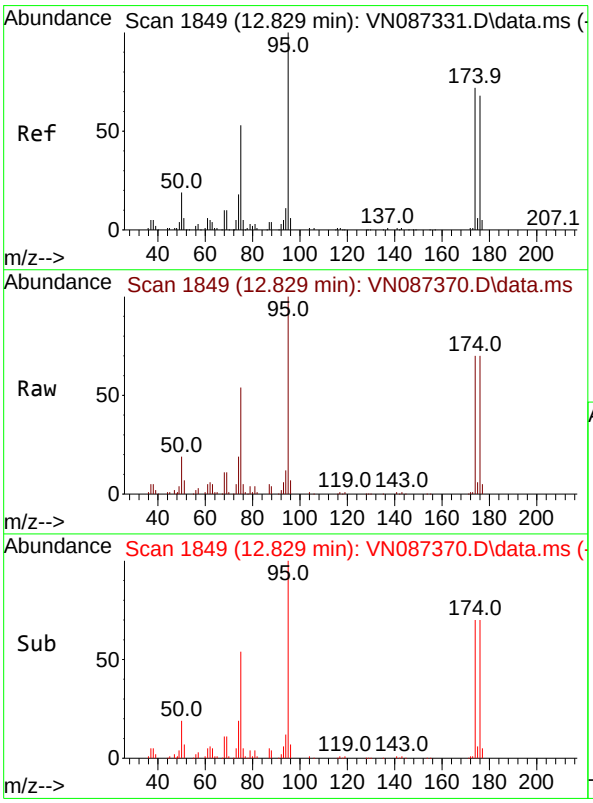
#50
Toluene-d8
Concen: 50.973 ug/l
RT: 10.547 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Tgt Ion: 98 Resp: 411775

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1

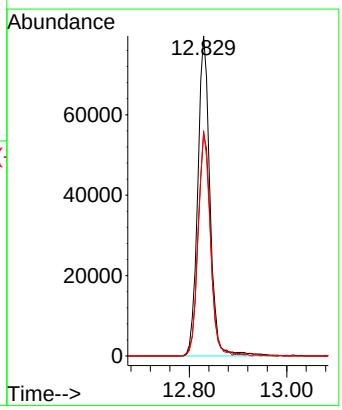


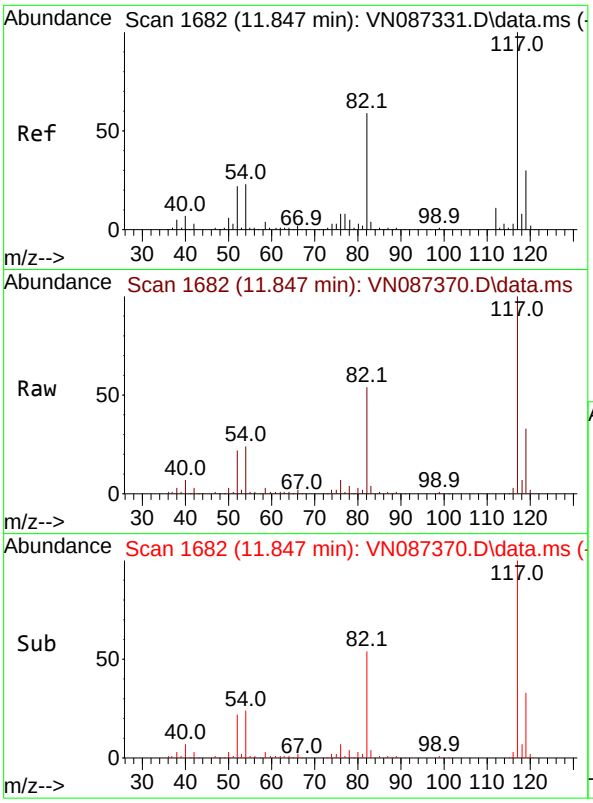


#62
4-Bromofluorobenzene
Concen: 46.428 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Tgt Ion: 95 Resp: 138566

Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	149.4
176	70.0	0.0	141.2



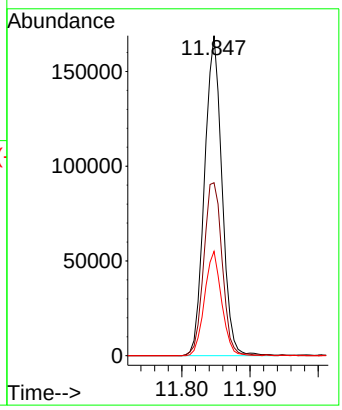


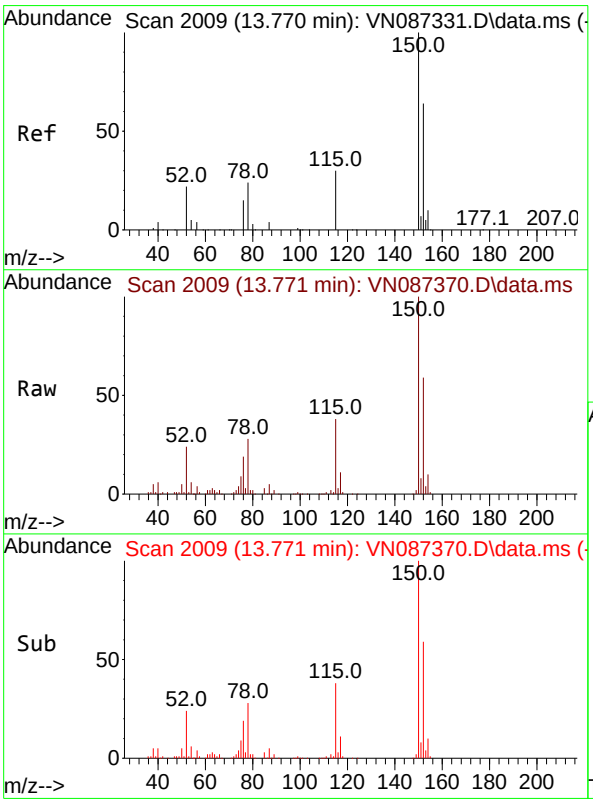
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Tgt Ion:117 Resp: 300772

Ion	Ratio	Lower	Upper
117	100		
82	54.1	47.4	71.2
119	32.6	23.8	35.8

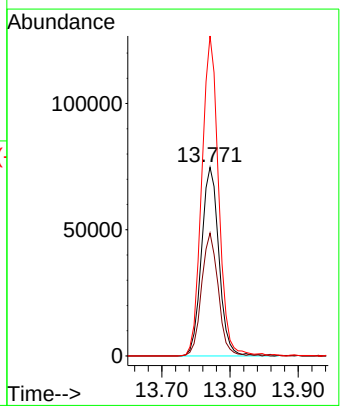




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Tgt Ion:152 Resp: 133337

Ion	Ratio	Lower	Upper
152	100		
115	62.5	31.1	93.5
150	164.0	0.0	349.0



Sample Results: **VN087370.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087370.D
Acq On : 21 Jul 2025 11:34
Operator : JC\MD
Sample : VN0721WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Title : SW846 8260

Signal : TIC: VN087370.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.424	921	930	942	rBV	20530	62679	5.60%	1.084%
2	8.153	1043	1054	1058	rBV	164711	381487	34.06%	6.598%
3	8.212	1058	1064	1074	rVB	224570	511925	45.70%	8.853%
4	8.565	1114	1124	1137	rBV	179724	412321	36.81%	7.131%
5	9.083	1203	1212	1227	rBV	393383	806859	72.04%	13.954%
6	10.547	1452	1461	1473	rBV	620225	1120091	100.00%	19.371%
7	11.847	1674	1682	1694	rBV	529955	951296	84.93%	16.452%
8	12.829	1841	1849	1860	rBV	389051	673661	60.14%	11.651%
9	13.771	2001	2009	2020	rBV	506181	861923	76.95%	14.906%

Sum of corrected areas: 5782242

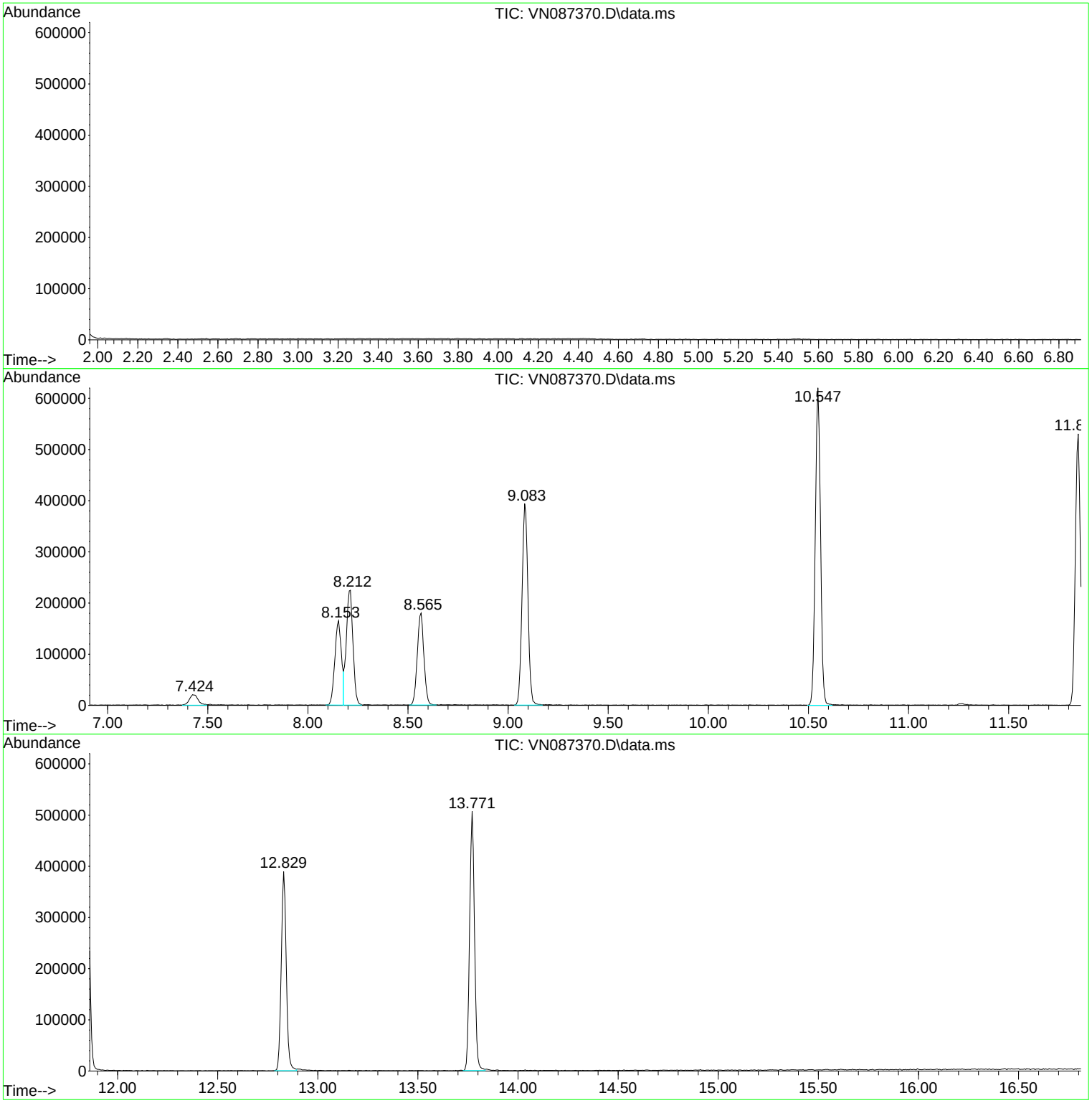
Sample Results: **VN087370.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087370.D
Acq On : 21 Jul 2025 11:34
Operator : JC\MD
Sample : VN0721WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087370.D
Acq On : 21 Jul 2025 11:34
Operator : JC\MD
Sample : VN0721WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087370.D
Acq On : 21 Jul 2025 11:34
Operator : JC\MD
Sample : VN0721WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087371.D
Acq On : 21 Jul 2025 11:55
Operator : JC\MD
Sample : VN0721WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 22 03:04:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	195078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	337215	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	308523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	161452	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	156616	47.315	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.640%			
35) Dibromofluoromethane	8.153	113	113549	48.815	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.640%			
50) Toluene-d8	10.547	98	418084	50.387	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.780%			
62) 4-Bromofluorobenzene	12.829	95	152963	49.898	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	45478	21.949	ug/l	93
3) Chloromethane	2.389	50	49057	18.828	ug/l	96
4) Vinyl Chloride	2.542	62	49167	18.988	ug/l	97
5) Bromomethane	2.983	94	25728	19.187	ug/l	97
6) Chloroethane	3.142	64	30502	18.063	ug/l	92
7) Trichlorofluoromethane	3.512	101	73088	19.089	ug/l	89
8) Diethyl Ether	3.965	74	25832	17.392	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	40048	20.375	ug/l	98
10) Methyl Iodide	4.577	142	28199	18.006	ug/l	98
11) Tert butyl alcohol	5.524	59	53952	85.841	ug/l	98
12) 1,1-Dichloroethene	4.336	96	40303	18.095	ug/l	95
13) Acrolein	4.183	56	42192	83.649	ug/l	93
14) Allyl chloride	5.018	41	69156	17.157	ug/l	99
15) Acrylonitrile	5.712	53	142826	83.743	ug/l	99
16) Acetone	4.424	43	133162	85.801	ug/l	99
17) Carbon Disulfide	4.706	76	121611	18.416	ug/l	95
18) Methyl Acetate	5.018	43	68652	17.607	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	140893	17.162	ug/l	97
20) Methylene Chloride	5.271	84	46556	17.327	ug/l	89
21) trans-1,2-Dichloroethene	5.771	96	44578	17.750	ug/l	92
22) Diisopropyl ether	6.659	45	157889	18.674	ug/l	94
23) Vinyl Acetate	6.588	43	694729	93.948	ug/l	99
24) 1,1-Dichloroethane	6.559	63	85653	17.559	ug/l	98
25) 2-Butanone	7.471	43	207099	86.364	ug/l	99
26) 2,2-Dichloropropane	7.477	77	77666	20.479	ug/l	96
27) cis-1,2-Dichloroethene	7.471	96	51900	17.950	ug/l	98
28) Bromochloromethane	7.800	49	41440	17.751	ug/l	99
29) Tetrahydrofuran	7.830	42	131520	84.427	ug/l	99
30) Chloroform	7.947	83	87539	17.929	ug/l	97
31) Cyclohexane	8.241	56	81992	20.149	ug/l	93
32) 1,1,1-Trichloroethane	8.153	97	78792	18.632	ug/l	97
36) 1,1-Dichloropropene	8.359	75	61263	19.935	ug/l	100
37) Ethyl Acetate	7.553	43	78541	17.696	ug/l	96
38) Carbon Tetrachloride	8.347	117	66297	19.583	ug/l	93
39) Methylcyclohexane	9.582	83	69647	20.933	ug/l #	91
40) Benzene	8.588	78	192485	19.379	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087371.D
Acq On : 21 Jul 2025 11:55
Operator : JC\MD
Sample : VN0721WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 22 03:04:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	41272	17.784	ug/l		96
42) 1,2-Dichloroethane	8.653	62	68935	18.301	ug/l		99
43) Isopropyl Acetate	8.677	43	124383	18.053	ug/l		100
44) Trichloroethene	9.335	130	44065	18.776	ug/l		86
45) 1,2-Dichloropropane	9.600	63	48604	19.258	ug/l	#	87
46) Dibromomethane	9.694	93	34607	18.314	ug/l		98
47) Bromodichloromethane	9.871	83	69750	18.326	ug/l		94
48) Methyl methacrylate	9.665	41	55452	17.877	ug/l		97
49) 1,4-Dioxane	9.677	88	17060	359.104	ug/l	#	97
51) 4-Methyl-2-Pentanone	10.429	43	401014	92.023	ug/l		99
52) Toluene	10.612	92	116138	19.237	ug/l		99
53) t-1,3-Dichloropropene	10.818	75	72070	18.710	ug/l		100
54) cis-1,3-Dichloropropene	10.294	75	74540	18.734	ug/l		96
55) 1,1,2-Trichloroethane	11.000	97	45751	18.718	ug/l	#	87
56) Ethyl methacrylate	10.859	69	66938	17.074	ug/l		97
57) 1,3-Dichloropropane	11.141	76	78676	18.617	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	195869	97.690	ug/l		100
59) 2-Hexanone	11.176	43	264794	91.587	ug/l		99
60) Dibromochloromethane	11.341	129	52477	18.826	ug/l		96
61) 1,2-Dibromoethane	11.453	107	44615	17.360	ug/l		99
64) Tetrachloroethene	11.082	164	36432	18.347	ug/l		97
65) Chlorobenzene	11.871	112	128645	18.573	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.941	131	44082	18.716	ug/l		99
67) Ethyl Benzene	11.941	91	206561	18.115	ug/l		99
68) m/p-Xylenes	12.053	106	168727	39.515	ug/l		98
69) o-Xylene	12.376	106	75002	18.388	ug/l		100
70) Styrene	12.394	104	132593	19.325	ug/l		99
71) Bromoform	12.559	173	34591	18.179	ug/l	#	97
73) Isopropylbenzene	12.676	105	198119	19.497	ug/l		98
74) N-amyl acetate	12.512	43	82883m	19.632	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	70547	18.451	ug/l		98
76) 1,2,3-Trichloropropane	12.970	75	61699m	17.042	ug/l		
77) Bromobenzene	12.959	156	49824	18.906	ug/l		99
78) n-propylbenzene	13.018	91	256928	20.096	ug/l		100
79) 2-Chlorotoluene	13.106	91	152583	19.419	ug/l		97
80) 1,3,5-Trimethylbenzene	13.153	105	174332	20.136	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.723	75	22951	17.345	ug/l		95
82) 4-Chlorotoluene	13.200	91	154290	18.861	ug/l		99
83) tert-Butylbenzene	13.417	119	146165	20.214	ug/l		97
84) 1,2,4-Trimethylbenzene	13.459	105	177920	20.123	ug/l		100
85) sec-Butylbenzene	13.594	105	220837	20.275	ug/l		99
86) p-Isopropyltoluene	13.706	119	181563	20.801	ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	98893	19.120	ug/l		98
88) 1,4-Dichlorobenzene	13.788	146	99576	18.026	ug/l		95
89) n-Butylbenzene	14.035	91	170515	20.458	ug/l		99
90) Hexachloroethane	14.306	117	36514	19.744	ug/l		96
91) 1,2-Dichlorobenzene	14.082	146	94733	19.334	ug/l		95
92) 1,2-Dibromo-3-Chloropr...	14.694	75	16367	16.304	ug/l		95
93) 1,2,4-Trichlorobenzene	15.370	180	55564	19.305	ug/l		99
94) Hexachlorobutadiene	15.476	225	24726	23.120	ug/l		96
95) Naphthalene	15.617	128	175395	17.202	ug/l		99
96) 1,2,3-Trichlorobenzene	15.811	180	54756	18.966	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087371.D
Acq On : 21 Jul 2025 11:55
Operator : JC\MD
Sample : VN0721WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 22 03:04:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087371.D
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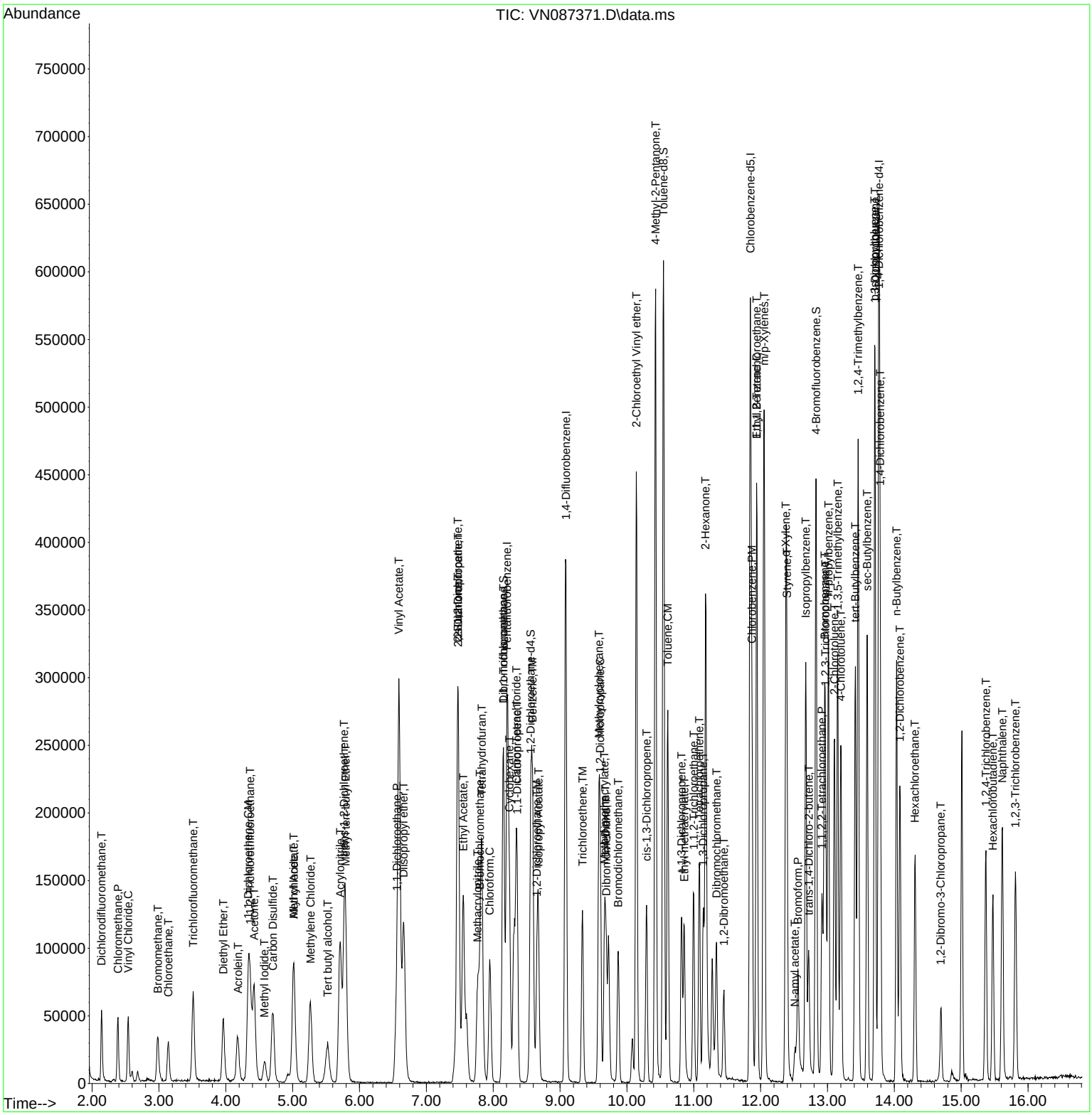
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087372.D
Acq On : 21 Jul 2025 12:30
Operator : JC\MD
Sample : VN0721WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 22 03:05:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Semsettin Yesilyurt 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	190787	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	328848	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	296338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	158557	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	152790	47.198	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.400%			
35) Dibromofluoromethane	8.147	113	114140	50.318	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.640%			
50) Toluene-d8	10.547	98	409499	50.608	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.220%			
62) 4-Bromofluorobenzene	12.829	95	149416	49.981	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	45407	22.408	ug/l	90
3) Chloromethane	2.383	50	47847	18.776	ug/l	91
4) Vinyl Chloride	2.542	62	48142	19.010	ug/l	92
5) Bromomethane	2.983	94	26007	19.831	ug/l	98
6) Chloroethane	3.136	64	30475	18.453	ug/l	100
7) Trichlorofluoromethane	3.512	101	73764	19.698	ug/l	88
8) Diethyl Ether	3.959	74	25592	17.618	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.359	101	37700	19.612	ug/l	98
10) Methyl Iodide	4.577	142	30353	19.251	ug/l	98
11) Tert butyl alcohol	5.518	59	56647	92.156	ug/l	99
12) 1,1-Dichloroethene	4.330	96	38399	17.628	ug/l	93
13) Acrolein	4.177	56	42955	87.077	ug/l	98
14) Allyl chloride	5.018	41	65923	16.722	ug/l	98
15) Acrylonitrile	5.706	53	148783	89.198	ug/l	99
16) Acetone	4.430	43	126421	83.289	ug/l	99
17) Carbon Disulfide	4.700	76	119923	18.569	ug/l	96
18) Methyl Acetate	5.018	43	69706	18.279	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	144862	18.042	ug/l	99
20) Methylene Chloride	5.265	84	46355	17.652	ug/l	95
21) trans-1,2-Dichloroethene	5.771	96	43844	17.851	ug/l	86
22) Diisopropyl ether	6.659	45	157443	19.040	ug/l #	95
23) Vinyl Acetate	6.589	43	712495	98.517	ug/l	99
24) 1,1-Dichloroethane	6.547	63	86682	18.170	ug/l	97
25) 2-Butanone	7.471	43	206854	88.202	ug/l	99
26) 2,2-Dichloropropane	7.471	77	75365	20.319	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	52133	18.436	ug/l	96
28) Bromochloromethane	7.800	49	42566	18.643	ug/l	99
29) Tetrahydrofuran	7.830	42	136575	89.644	ug/l	96
30) Chloroform	7.947	83	87803	18.388	ug/l	99
31) Cyclohexane	8.235	56	78716	19.779	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	78287	18.929	ug/l	93
36) 1,1-Dichloropropene	8.353	75	59988	20.016	ug/l	99
37) Ethyl Acetate	7.547	43	77704	17.953	ug/l	98
38) Carbon Tetrachloride	8.347	117	65528	19.849	ug/l	99
39) Methylcyclohexane	9.582	83	67946	20.941	ug/l	96
40) Benzene	8.588	78	185496	19.151	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087372.D
Acq On : 21 Jul 2025 12:30
Operator : JC\MD
Sample : VN0721WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 22 03:05:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Semsettin Yesilyurt 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	40867	18.057	ug/l		95
42) 1,2-Dichloroethane	8.653	62	69079	18.806	ug/l		99
43) Isopropyl Acetate	8.671	43	127752	19.014	ug/l		99
44) Trichloroethene	9.335	130	43070	18.818	ug/l		96
45) 1,2-Dichloropropane	9.606	63	47601	19.341	ug/l		100
46) Dibromomethane	9.694	93	34895	18.937	ug/l		99
47) Bromodichloromethane	9.865	83	69620	18.757	ug/l		98
48) Methyl methacrylate	9.665	41	57104	18.878	ug/l		99
49) 1,4-Dioxane	9.688	88	16301	351.858	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.429	43	399338	93.970	ug/l		99
52) Toluene	10.612	92	114736	19.488	ug/l		97
53) t-1,3-Dichloropropene	10.818	75	70010	18.637	ug/l		96
54) cis-1,3-Dichloropropene	10.294	75	75349	19.419	ug/l		97
55) 1,1,2-Trichloroethane	10.994	97	46825	19.645	ug/l		88
56) Ethyl methacrylate	10.859	69	69998	18.249	ug/l		95
57) 1,3-Dichloropropane	11.147	76	78181	18.971	ug/l		97
58) 2-Chloroethyl Vinyl ether	10.141	63	202470	103.552	ug/l		100
59) 2-Hexanone	11.176	43	264149	93.688	ug/l		99
60) Dibromochloromethane	11.341	129	49899	18.357	ug/l		100
61) 1,2-Dibromoethane	11.447	107	47255	18.856	ug/l		95
64) Tetrachloroethene	11.082	164	36839	19.315	ug/l		95
65) Chlorobenzene	11.871	112	123556	18.571	ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.941	131	43600	19.273	ug/l		100
67) Ethyl Benzene	11.941	91	204755	18.695	ug/l		100
68) m/p-Xylenes	12.047	106	159328	38.848	ug/l		100
69) o-Xylene	12.382	106	73560	18.777	ug/l		97
70) Styrene	12.394	104	127855	19.400	ug/l		99
71) Bromoform	12.559	173	34274	18.753	ug/l	#	96
73) Isopropylbenzene	12.676	105	192540	19.294	ug/l		100
74) N-amyl acetate	12.518	43	83031m	20.026	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	71491	19.039	ug/l		99
76) 1,2,3-Trichloropropane	12.976	75	62574m	17.599	ug/l		
77) Bromobenzene	12.959	156	48290	18.659	ug/l		98
78) n-propylbenzene	13.018	91	243308	19.379	ug/l		100
79) 2-Chlorotoluene	13.106	91	143207	18.559	ug/l		97
80) 1,3,5-Trimethylbenzene	13.153	105	162843	19.152	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.718	75	22418	17.252	ug/l		98
82) 4-Chlorotoluene	13.206	91	148212	18.449	ug/l		98
83) tert-Butylbenzene	13.418	119	138461	19.498	ug/l		99
84) 1,2,4-Trimethylbenzene	13.459	105	172373	19.852	ug/l		98
85) sec-Butylbenzene	13.594	105	212425	19.859	ug/l		100
86) p-Isopropyltoluene	13.706	119	175039	20.419	ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	98015	19.297	ug/l		98
88) 1,4-Dichlorobenzene	13.788	146	99611	18.362	ug/l		98
89) n-Butylbenzene	14.035	91	168514	20.587	ug/l		99
90) Hexachloroethane	14.312	117	35162	19.360	ug/l		98
91) 1,2-Dichlorobenzene	14.082	146	94601	19.659	ug/l		94
92) 1,2-Dibromo-3-Chloropr...	14.700	75	16412	16.647	ug/l		98
93) 1,2,4-Trichlorobenzene	15.370	180	52419	18.545	ug/l		99
94) Hexachlorobutadiene	15.476	225	24088	22.935	ug/l		99
95) Naphthalene	15.617	128	172523	17.229	ug/l		99
96) 1,2,3-Trichlorobenzene	15.817	180	52053	18.358	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087372.D
Acq On : 21 Jul 2025 12:30
Operator : JC\MD
Sample : VN0721WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 22 03:05:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Semsettin Yesilyurt 07/22/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
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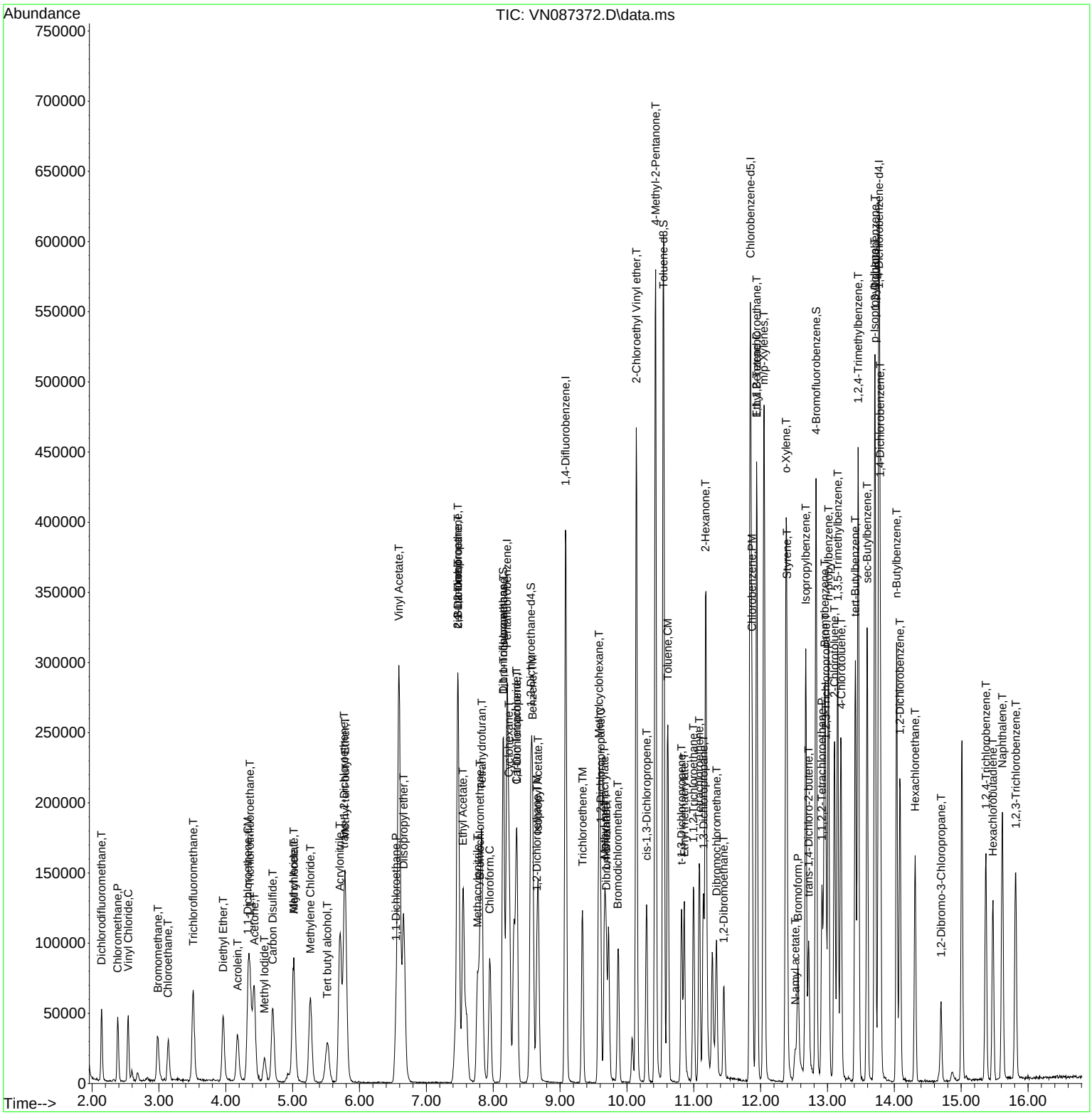
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Semsettin Yesilyurt 07/22/2025



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

Manual Integration Report

Sequence:	VN071625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN087328.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	1,4-Dichlorobenzene	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	Acetone	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	Allyl chloride	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	Methyl tert-butyl Ether	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	N-amyl acetate	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC005	VN087329.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:53 AM	Sam	7/17/2025 8:24:55 AM	Peak Integrated by Software
VSTDICC005	VN087329.D	Methyl Iodide	MMDadoda	7/17/2025 8:19:53 AM	Sam	7/17/2025 8:24:55 AM	Peak Integrated by Software
VSTDICC005	VN087329.D	N-amyl acetate	MMDadoda	7/17/2025 8:19:53 AM	Sam	7/17/2025 8:24:55 AM	Peak Integrated by Software
VSTDICC020	VN087330.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:54 AM	Sam	7/17/2025 8:24:56 AM	Peak Integrated by Software
VSTDICC020	VN087330.D	N-amyl acetate	MMDadoda	7/17/2025 8:19:54 AM	Sam	7/17/2025 8:24:56 AM	Peak Integrated by Software
VSTDICCC050	VN087331.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:56 AM	Sam	7/17/2025 8:25:01 AM	Peak Integrated by Software
VSTDICCC050	VN087331.D	N-amyl acetate	MMDadoda	7/17/2025 8:19:56 AM	Sam	7/17/2025 8:25:01 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN071625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN087332.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:58 AM	Sam	7/17/2025 8:25:00 AM	Peak Integrated by Software
VSTDICC150	VN087333.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:59 AM	Sam	7/17/2025 8:25:02 AM	Peak Integrated by Software
VSTDICV050	VN087335.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:20:01 AM	Sam	7/17/2025 8:25:03 AM	Peak Integrated by Software
VSTDICV050	VN087335.D	N-amyl acetate	MMDadoda	7/17/2025 8:20:01 AM	Sam	7/17/2025 8:25:03 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn072125	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN087368.D	1,2,3-Trichloropropane	JOHN	7/22/2025 9:00:11 AM	MMDadoda	7/22/2025 1:40:43 PM	Peak Integrated by Software
VN0721WBS01	VN087371.D	1,2,3-Trichloropropane	JOHN	7/22/2025 9:00:17 AM	MMDadoda	7/22/2025 1:40:41 PM	Peak Integrated by Software
VN0721WBS01	VN087371.D	N-amyl acetate	JOHN	7/22/2025 9:00:17 AM	MMDadoda	7/22/2025 1:40:41 PM	Peak Integrated by Software
VN0721WBSD01	VN087372.D	1,2,3-Trichloropropane	JOHN	7/22/2025 9:00:21 AM	SAM	7/22/2025 1:54:42 PM	Peak Integrated by Software
VN0721WBSD01	VN087372.D	N-amyl acetate	JOHN	7/22/2025 9:00:21 AM	SAM	7/22/2025 1:54:42 PM	Peak Integrated by Software
VSTDCCC050	VN087387.D	1,2,3-Trichloropropane	JOHN	7/22/2025 9:00:47 AM	MMDadoda	7/22/2025 1:40:38 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN071625

Review By	Mahesh Dadoda	Review On	7/17/2025 8:20:05 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/17/2025 8:25:10 AM		
SubDirectory	VN071625	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134794
Initial Calibration Stds	VP134795,VP134796,VP134797,VP134798,VP134799,VP134800
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP134801
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087327.D	16 Jul 2025 16:10	JC\MD	Ok
2	VSTDICC001	VN087328.D	16 Jul 2025 17:05	JC\MD	Ok,M
3	VSTDICC005	VN087329.D	16 Jul 2025 17:27	JC\MD	Ok,M
4	VSTDICC020	VN087330.D	16 Jul 2025 17:49	JC\MD	Ok,M
5	VSTDICCC050	VN087331.D	16 Jul 2025 18:11	JC\MD	Ok,M
6	VSTDICC100	VN087332.D	16 Jul 2025 18:32	JC\MD	Ok,M
7	VSTDICC150	VN087333.D	16 Jul 2025 18:54	JC\MD	Ok,M
8	IBLK	VN087334.D	16 Jul 2025 19:16	JC\MD	Ok
9	VSTDICV050	VN087335.D	16 Jul 2025 19:59	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN072125

Review By	John Carlone	Review On	7/22/2025 9:07:37 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/22/2025 1:40:47 PM		
SubDirectory	VN072125	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134840
Initial Calibration Stds	
CCC	VP134841,VP134842
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087367.D	21 Jul 2025 10:05	JC\MD	Ok
2	VSTDCCC050	VN087368.D	21 Jul 2025 10:38	JC\MD	Ok,M
3	VN0721MBL01	VN087369.D	21 Jul 2025 11:13	JC\MD	Ok
4	VN0721WBL01	VN087370.D	21 Jul 2025 11:34	JC\MD	Ok
5	VN0721WBS01	VN087371.D	21 Jul 2025 11:55	JC\MD	Ok,M
6	VN0721WBSD01	VN087372.D	21 Jul 2025 12:30	JC\MD	Ok,M
7	Q2646-01	VN087373.D	21 Jul 2025 12:51	JC\MD	Ok
8	IBLK	VN087374.D	21 Jul 2025 13:13	JC\MD	Ok
9	PB168920TB	VN087375.D	21 Jul 2025 13:34	JC\MD	Ok
10	Q2641-02	VN087376.D	21 Jul 2025 13:55	JC\MD	Ok
11	Q2645-03	VN087377.D	21 Jul 2025 14:16	JC\MD	Ok
12	Q2649-04	VN087378.D	21 Jul 2025 14:38	JC\MD	Ok
13	Q2649-08	VN087379.D	21 Jul 2025 14:59	JC\MD	Ok,M
14	Q2649-12	VN087380.D	21 Jul 2025 15:20	JC\MD	Ok
15	Q2649-16	VN087381.D	21 Jul 2025 15:42	JC\MD	Ok
16	Q2649-20	VN087382.D	21 Jul 2025 16:03	JC\MD	Ok
17	Q2649-24	VN087383.D	21 Jul 2025 16:24	JC\MD	Ok
18	PB168921TB	VN087384.D	21 Jul 2025 16:46	JC\MD	Ok
19	Q2646-03	VN087385.D	21 Jul 2025 17:07	JC\MD	Ok
20	Q2664-01	VN087386.D	21 Jul 2025 17:29	JC\MD	Ok
21	VSTDCCC050	VN087387.D	21 Jul 2025 17:50	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN071625

Review By	Mahesh Dadoda	Review On	7/17/2025 8:20:05 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/17/2025 8:25:10 AM		
SubDirectory	VN071625	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134794
Initial Calibration Stds	VP134795,VP134796,VP134797,VP134798,VP134799,VP134800
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP134801
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087327.D	16 Jul 2025 16:10		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN087328.D	16 Jul 2025 17:05		JC\MD	Ok,M
3	VSTDICC005	VSTDICC005	VN087329.D	16 Jul 2025 17:27	% d fail for com.#10 in 5 ppb	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN087330.D	16 Jul 2025 17:49	LR- 10,20	JC\MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VN087331.D	16 Jul 2025 18:11	QR- 56	JC\MD	Ok,M
6	VSTDICC100	VSTDICC100	VN087332.D	16 Jul 2025 18:32		JC\MD	Ok,M
7	VSTDICC150	VSTDICC150	VN087333.D	16 Jul 2025 18:54		JC\MD	Ok,M
8	IBLK	IBLK	VN087334.D	16 Jul 2025 19:16		JC\MD	Ok
9	VSTDICV050	ICVVN071625	VN087335.D	16 Jul 2025 19:59		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN072125

Review By	John Carlone	Review On	7/22/2025 9:07:37 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/22/2025 1:40:47 PM		
SubDirectory	VN072125	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134840
Initial Calibration Stds	
CCC	VP134841,VP134842
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087367.D	21 Jul 2025 10:05		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN087368.D	21 Jul 2025 10:38	pH#Lot#V12668	JC\MD	Ok,M
3	VN0721MBL01	VN0721MBL01	VN087369.D	21 Jul 2025 11:13		JC\MD	Ok
4	VN0721WBL01	VN0721WBL01	VN087370.D	21 Jul 2025 11:34		JC\MD	Ok
5	VN0721WBS01	VN0721WBS01	VN087371.D	21 Jul 2025 11:55		JC\MD	Ok,M
6	VN0721WBSD01	VN0721WBSD01	VN087372.D	21 Jul 2025 12:30		JC\MD	Ok,M
7	Q2646-01	FRAC TANK	VN087373.D	21 Jul 2025 12:51	vial A pH<2	JC\MD	Ok
8	IBLK	IBLK	VN087374.D	21 Jul 2025 13:13		JC\MD	Ok
9	PB168920TB	PB168920TB	VN087375.D	21 Jul 2025 13:34		JC\MD	Ok
10	Q2641-02	P001-CONCRETE001-	VN087376.D	21 Jul 2025 13:55	vial A pH#5.0	JC\MD	Ok
11	Q2645-03	RW5B-CARBON-2025(	VN087377.D	21 Jul 2025 14:16	vial A pH#5.0	JC\MD	Ok
12	Q2649-04	WC-1	VN087378.D	21 Jul 2025 14:38	vial A pH#5.0	JC\MD	Ok
13	Q2649-08	WC-2	VN087379.D	21 Jul 2025 14:59	vial A pH#5.0	JC\MD	Ok,M
14	Q2649-12	WC-3	VN087380.D	21 Jul 2025 15:20	vial A pH#5.0	JC\MD	Ok
15	Q2649-16	WC-4	VN087381.D	21 Jul 2025 15:42	vial A pH#5.0	JC\MD	Ok
16	Q2649-20	WC-5	VN087382.D	21 Jul 2025 16:03	vial A pH#5.0	JC\MD	Ok
17	Q2649-24	WC-6	VN087383.D	21 Jul 2025 16:24	vial A pH#5.0	JC\MD	Ok
18	PB168921TB	PB168921TB	VN087384.D	21 Jul 2025 16:46		JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN072125

Review By	John Carlone	Review On	7/22/2025 9:07:37 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/22/2025 1:40:47 PM		
SubDirectory	VN072125	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134840
Initial Calibration Stds	
CCC	VP134841,VP134842
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2646-03	FRAC TANK	VN087385.D	21 Jul 2025 17:07	vial A pH#5.0	JC\MD	Ok
20	Q2664-01	GDW3	VN087386.D	21 Jul 2025 17:29	vial A pH<2	JC\MD	Ok
21	VSTDCCC050	VSTDCCC050EC	VN087387.D	21 Jul 2025 17:50		JC\MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q2664	**OrderDate:**	7/21/2025 2:32:00 PM
Client:	G Environmental	**Project:**	Nelson
Contact:	Gary Landis	**Location:**	O33,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2664-01	**GDW3**	**Water**			**07/21/25**			**07/21/25**
			VOCMS Group1	8260-Low			07/21/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2664

Client: G Environmental

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
Client ID : GDW3									
Q2664-01	GDW3	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	3.800	AB	0	0	ug/L
Q2664-01	GDW3	WATER	Butane, 2-methoxy-2-methyl-	*	92.900	J	0	0	ug/L
Q2664-01	GDW3	WATER	Dodecanoic acid	*	3.200	J	0	0	ug/L
Q2664-01	GDW3	WATER	n-Hexadecanoic acid	*	3.900	J	0	0	ug/L
Q2664-01	GDW3	WATER	Octadecanoic acid	*	3.100	J	0	0	ug/L
			Total Tics :		**106.90**				
			Total Concentration:		**106.90**				

SAMPLE DATA

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

Report of Analysis

Client:	G Environmental	Date Collected:	07/21/25
Project:	Nelson	Date Received:	07/21/25
Client Sample ID:	GDW3	SDG No.:	Q2664
Lab Sample ID:	Q2664-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050493.D	1	07/23/25 09:00	07/23/25 16:57	PB168971

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	U	4.00	10.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.83	U	0.83	5.10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.10	ug/L
98-86-2	Acetophenone	0.76	U	0.76	5.10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.60	ug/L
67-72-1	Hexachloroethane	0.66	U	0.66	5.10	ug/L
98-95-3	Nitrobenzene	0.78	U	0.78	5.10	ug/L
78-59-1	Isophorone	0.77	U	0.77	5.10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.69	U	0.69	5.10	ug/L
91-20-3	Naphthalene	0.51	U	0.51	5.10	ug/L
106-47-8	4-Chloroaniline	0.86	U	0.86	5.10	ug/L
87-68-3	Hexachlorobutadiene	0.55	U	0.55	5.10	ug/L
105-60-2	Caprolactam	1.20	U	1.20	10.2	ug/L
91-57-6	2-Methylnaphthalene	0.57	U	0.57	5.10	ug/L
77-47-4	Hexachlorocyclopentadiene	3.70	U	3.70	10.2	ug/L
92-52-4	1,1-Biphenyl	0.54	U	0.54	5.10	ug/L
91-58-7	2-Chloronaphthalene	0.62	U	0.62	5.10	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.10	ug/L
131-11-3	Dimethylphthalate	0.62	U	0.62	5.10	ug/L
208-96-8	Acenaphthylene	0.77	U	0.77	5.10	ug/L
606-20-2	2,6-Dinitrotoluene	0.94	U	0.94	5.10	ug/L
99-09-2	3-Nitroaniline	1.10	U	1.10	5.10	ug/L
83-32-9	Acenaphthene	0.56	U	0.56	5.10	ug/L
132-64-9	Dibenzofuran	0.62	U	0.62	5.10	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.10	ug/L
84-66-2	Diethylphthalate	0.70	U	0.70	5.10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.69	U	0.69	5.10	ug/L
86-73-7	Fluorene	0.64	U	0.64	5.10	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.10	ug/L

Raw Data: **BM050493.D**

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

Report of Analysis

Client:	G Environmental			Date Collected:	07/21/25
Project:	Nelson			Date Received:	07/21/25
Client Sample ID:	GDW3			SDG No.:	Q2664
Lab Sample ID:	Q2664-01			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	980	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group2
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050493.D	1	07/23/25 09:00	07/23/25 16:57	PB168971

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
86-30-6	n-Nitrosodiphenylamine	0.59	U	0.59	5.10	ug/L
101-55-3	4-Bromophenyl-phenylether	0.41	U	0.41	5.10	ug/L
118-74-1	Hexachlorobenzene	0.53	U	0.53	5.10	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.10	ug/L
85-01-8	Phenanthrene	0.51	U	0.51	5.10	ug/L
120-12-7	Anthracene	0.62	U	0.62	5.10	ug/L
86-74-8	Carbazole	0.73	U	0.73	5.10	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.10	ug/L
206-44-0	Fluoranthene	0.84	U	0.84	5.10	ug/L
129-00-0	Pyrene	0.51	U	0.51	5.10	ug/L
85-68-7	Butylbenzylphthalate	2.00	UQ	2.00	5.10	ug/L
91-94-1	3,3-Dichlorobenzidine	0.95	U	0.95	10.2	ug/L
56-55-3	Benzo(a)anthracene	0.46	U	0.46	5.10	ug/L
218-01-9	Chrysene	0.45	U	0.45	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.10	ug/L
117-84-0	Di-n-octyl phthalate	2.40	U	2.40	10.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.50	U	0.50	5.10	ug/L
207-08-9	Benzo(k)fluoranthene	0.49	U	0.49	5.10	ug/L
50-32-8	Benzo(a)pyrene	0.56	U	0.56	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.60	U	0.60	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.68	U	0.68	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	0.70	U	0.70	5.10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.53	U	0.53	5.10	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.10	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	89.3		67 - 132	89%	SPK: 100
321-60-8	2-Fluorobiphenyl	87.8		52 - 132	88%	SPK: 100
1718-51-0	Terphenyl-d14	74.4		42 - 152	74%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	754000	7.845			

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	07/21/25
Project:	Nelson	Date Received:	07/21/25
Client Sample ID:	GDW3	SDG No.:	Q2664
Lab Sample ID:	Q2664-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050493.D	1	07/23/25 09:00	07/23/25 16:57	PB168971

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1146-65-2	Naphthalene-d8	2700000	10.639			
15067-26-2	Acenaphthene-d10	1720000	14.474			
1517-22-2	Phenanthrene-d10	3360000	17.21			
1719-03-5	Chrysene-d12	3120000	21.439			
1520-96-3	Perylene-d12	3290000	24.468			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	92.9	J		3.03	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.80	AB		4.96	ug/L
000143-07-7	Dodecanoic acid	3.20	J		14.9	ug/L
000057-10-3	n-Hexadecanoic acid	3.90	J		18.1	ug/L
000057-11-4	Octadecanoic acid	3.10	J		19.4	ug/L

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

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

QC SUMMARY

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

SW-846

SDG No.: Q2664

Client: G Environmental

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168971BL	PB168971BL	Nitrobenzene-d5	100	77.6	78		67	132
		2-Fluorobiphenyl	100	75.5	76		52	132
		Terphenyl-d14	100	80.4	80		42	152
PB168971BS	PB168971BS	Nitrobenzene-d5	100	74.9	75		67	132
		2-Fluorobiphenyl	100	72.7	73		52	132
		Terphenyl-d14	100	75.8	76		42	152
PB168971BSD	PB168971BSD	Nitrobenzene-d5	100	78.3	78		67	132
		2-Fluorobiphenyl	100	75.0	75		52	132
		Terphenyl-d14	100	79.9	80		42	152
Q2664-01	GDW3	Nitrobenzene-d5	100	89.3	89		67	132
		2-Fluorobiphenyl	100	87.8	88		52	132
		Terphenyl-d14	100	74.4	74		42	152

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Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2664 **Analytical Method:** 8270E

Client: G Environmental **DataFile:** BF143271.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168971BS	Benzaldehyde	50	29.7	ug/L	59				10	162	
	bis(2-Chloroethyl)ether	50	40.4	ug/L	81				62	103	
	2,2-oxybis(1-Chloropropane)	50	39.2	ug/L	78				65	100	
	Acetophenone	50	41.0	ug/L	82				60	104	
	N-Nitroso-di-n-propylamine	50	40.6	ug/L	81				57	107	
	Hexachloroethane	50	43.3	ug/L	87				76	118	
	Nitrobenzene	50	42.7	ug/L	85				58	106	
	Isophorone	50	41.3	ug/L	83				61	102	
	bis(2-Chloroethoxy)methane	50	40.9	ug/L	82				58	109	
	Naphthalene	50	41.9	ug/L	84				64	107	
	4-Chloroaniline	50	21.6	ug/L	43				10	85	
	Hexachlorobutadiene	50	42.6	ug/L	85				69	101	
	Caprolactam	50	48.7	ug/L	97				58	128	
	2-Methylnaphthalene	50	42.5	ug/L	85				64	107	
	Hexachlorocyclopentadiene	100	79.0	ug/L	79				36	160	
	1,1-Biphenyl	50	42.4	ug/L	85				72	98	
	2-Chloronaphthalene	50	41.9	ug/L	84				59	106	
	2-Nitroaniline	50	47.3	ug/L	95				73	114	
	Dimethylphthalate	50	44.9	ug/L	90				64	103	
	Acenaphthylene	50	42.6	ug/L	85				79	103	
	2,6-Dinitrotoluene	50	48.9	ug/L	98				64	110	
	3-Nitroaniline	50	31.8	ug/L	64				28	100	
	Acenaphthene	50	47.6	ug/L	95				59	113	
	Dibenzofuran	50	42.1	ug/L	84				65	106	
	2,4-Dinitrotoluene	50	53.1	ug/L	106				60	115	
	Diethylphthalate	50	45.7	ug/L	91				63	105	
	4-Chlorophenyl-phenylether	50	43.5	ug/L	87				61	104	
	Fluorene	50	43.8	ug/L	88				64	107	
	4-Nitroaniline	50	51.1	ug/L	102				55	125	
	N-Nitrosodiphenylamine	50	40.2	ug/L	80				61	109	
	4-Bromophenyl-phenylether	50	41.6	ug/L	83				73	103	
	Hexachlorobenzene	50	41.5	ug/L	83				73	106	
	Atrazine	50	47.9	ug/L	96				76	120	
	Phenanthrene	50	42.5	ug/L	85				62	109	
	Anthracene	50	42.2	ug/L	84				65	110	
	Carbazole	50	44.5	ug/L	89				62	106	
	Di-n-butylphthalate	50	47.5	ug/L	95				64	106	
	Fluoranthene	50	48.2	ug/L	96				64	110	
	Pyrene	50	44.1	ug/L	88				71	103	
	Butylbenzylphthalate	50	56.6	ug/L	113		*		61	105	
	3,3-Dichlorobenzidine	50	25.8	ug/L	52				43	108	
	Benzo(a)anthracene	50	44.2	ug/L	88				62	107	
	Chrysene	50	43.3	ug/L	87				61	108	
	bis(2-Ethylhexyl)phthalate	50	48.0	ug/L	96				59	110	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2664 **Analytical Method:** 8270E

Client: G Environmental **DataFile:** BF143271.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168971BS	Di-n-octyl phthalate	50	41.1	ug/L	82				52	139	
	Benzo(b)fluoranthene	50	44.8	ug/L	90				77	113	
	Benzo(k)fluoranthene	50	50.0	ug/L	100				77	105	
	Benzo(a)pyrene	50	46.3	ug/L	93				72	131	
	Indeno(1,2,3-cd)pyrene	50	43.6	ug/L	87				72	105	
	Dibenz(a,h)anthracene	50	43.7	ug/L	87				78	115	
	Benzo(g,h,i)perylene	50	43.7	ug/L	87				75	118	
	1,2,4,5-Tetrachlorobenzene	50	41.7	ug/L	83				72	101	
	1,4-Dioxane	50	32.5	ug/L	65				38	125	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2664 **Analytical Method:** 8270E

Client: G Environmental **DataFile:** BF143272.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168971BSD	Benzaldehyde	50	30.1	ug/L	60	1			10	162	20
	bis(2-Chloroethyl)ether	50	40.9	ug/L	82	1			62	103	20
	2,2-oxybis(1-Chloropropane)	50	39.4	ug/L	79	1			65	100	20
	Acetophenone	50	41.7	ug/L	83	2			60	104	20
	N-Nitroso-di-n-propylamine	50	40.8	ug/L	82	0			57	107	20
	Hexachloroethane	50	43.8	ug/L	88	1			76	118	20
	Nitrobenzene	50	43.0	ug/L	86	1			58	106	20
	Isophorone	50	41.4	ug/L	83	0			61	102	20
	bis(2-Chloroethoxy)methane	50	41.2	ug/L	82	1			58	109	20
	Naphthalene	50	42.6	ug/L	85	2			64	107	20
	4-Chloroaniline	50	19.5	ug/L	39	10			10	85	20
	Hexachlorobutadiene	50	43.8	ug/L	88	3			69	101	20
	Caprolactam	50	48.1	ug/L	96	1			58	128	20
	2-Methylnaphthalene	50	42.8	ug/L	86	1			64	107	20
	Hexachlorocyclopentadiene	100	79.5	ug/L	80	1			36	160	20
	1,1-Biphenyl	50	42.6	ug/L	85	0			72	98	20
	2-Chloronaphthalene	50	42.4	ug/L	85	1			59	106	20
	2-Nitroaniline	50	47.1	ug/L	94	0			73	114	20
	Dimethylphthalate	50	44.4	ug/L	89	1			64	103	20
	Acenaphthylene	50	42.4	ug/L	85	0			79	103	20
	2,6-Dinitrotoluene	50	48.3	ug/L	97	1			64	110	20
	3-Nitroaniline	50	29.8	ug/L	60	6			28	100	20
	Acenaphthene	50	47.9	ug/L	96	1			59	113	20
	Dibenzofuran	50	41.6	ug/L	83	1			65	106	20
	2,4-Dinitrotoluene	50	51.6	ug/L	103	3			60	115	20
	Diethylphthalate	50	45.1	ug/L	90	1			63	105	20
	4-Chlorophenyl-phenylether	50	43.4	ug/L	87	0			61	104	20
	Fluorene	50	43.6	ug/L	87	0			64	107	20
	4-Nitroaniline	50	48.1	ug/L	96	6			55	125	20
	N-Nitrosodiphenylamine	50	41.3	ug/L	83	3			61	109	20
	4-Bromophenyl-phenylether	50	42.3	ug/L	85	2			73	103	20
	Hexachlorobenzene	50	42.3	ug/L	85	2			73	106	20
	Atrazine	50	48.0	ug/L	96	0			76	120	20
	Phenanthrene	50	42.8	ug/L	86	1			62	109	20
	Anthracene	50	42.8	ug/L	86	1			65	110	20
	Carbazole	50	44.4	ug/L	89	0			62	106	20
	Di-n-butylphthalate	50	46.7	ug/L	93	2			64	106	20
	Fluoranthene	50	46.0	ug/L	92	5			64	110	20
	Pyrene	50	44.8	ug/L	90	2			71	103	20
	Butylbenzylphthalate	50	55.8	ug/L	112	1	*		61	105	20
	3,3-Dichlorobenzidine	50	27.2	ug/L	54	5			43	108	20
	Benzo(a)anthracene	50	45.1	ug/L	90	2			62	107	20
	Chrysene	50	43.0	ug/L	86	1			61	108	20
	bis(2-Ethylhexyl)phthalate	50	48.5	ug/L	97	1			59	110	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2664 **Analytical Method:** 8270E

Client: G Environmental **DataFile:** BF143272.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168971BSD	Di-n-octyl phthalate	50	43.3	ug/L	87	5			52	139	20
	Benzo(b)fluoranthene	50	43.9	ug/L	88	2			77	113	20
	Benzo(k)fluoranthene	50	47.6	ug/L	95	5			77	105	20
	Benzo(a)pyrene	50	45.1	ug/L	90	3			72	131	20
	Indeno(1,2,3-cd)pyrene	50	44.1	ug/L	88	1			72	105	20
	Dibenz(a,h)anthracene	50	44.0	ug/L	88	1			78	115	20
	Benzo(g,h,i)perylene	50	44.3	ug/L	89	1			75	118	20
	1,2,4,5-Tetrachlorobenzene	50	42.1	ug/L	84	1			72	101	20
	1,4-Dioxane	50	32.2	ug/L	64	1			38	125	20

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB168971BL

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2664

Lab File ID: BF143270.D | Lab Sample ID: PB168971BL

Instrument ID: BNA_F | Date Extracted: 07/23/2025

Matrix: (soil/water) Water | Date Analyzed: 07/30/2025

Level: (low/med) LOW | Time Analyzed: 15:52

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168971BS	PB168971BS	BF143271.D	07/30/2025
PB168971BSD	PB168971BSD	BF143272.D	07/30/2025
GDW3	Q2664-01	BM050493.D	07/23/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2664

Lab File ID: BF143138.D DFTPP Injection Date: 07/17/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:58

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	79.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF143140.D	07/17/2025	11:04
SSTDICC005	SSTDICC005	BF143141.D	07/17/2025	11:34
SSTDICC010	SSTDICC010	BF143142.D	07/17/2025	12:04
SSTDICC020	SSTDICC020	BF143143.D	07/17/2025	12:34
SSTDICCC040	SSTDICCC040	BF143144.D	07/17/2025	13:03
SSTDICC050	SSTDICC050	BF143145.D	07/17/2025	13:33
SSTDICC060	SSTDICC060	BF143146.D	07/17/2025	14:04
SSTDICC080	SSTDICC080	BF143147.D	07/17/2025	14:34

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2664

Lab File ID: BF143268.D DFTPP Injection Date: 07/30/2025

Instrument ID: BNA_F DFTPP Injection Time: 14:53

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (2) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	76.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.8 (19.8) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143269.D	07/30/2025	15:22
PB168971BL	PB168971BL	BF143270.D	07/30/2025	15:52
PB168971BS	PB168971BS	BF143271.D	07/30/2025	16:22
PB168971BSD	PB168971BSD	BF143272.D	07/30/2025	16:51

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2664

Lab File ID: BM050376.D DFTPP Injection Date: 07/08/2025

Instrument ID: BNA_M DFTPP Injection Time: 11:59

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.5) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	81.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	12.9 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BM050377.D	07/08/2025	12:39
SSTDICC005	SSTDICC005	BM050378.D	07/08/2025	13:19
SSTDICC010	SSTDICC010	BM050379.D	07/08/2025	14:00
SSTDICC020	SSTDICC020	BM050380.D	07/08/2025	14:40
SSTDICCC040	SSTDICCC040	BM050381.D	07/08/2025	15:20
SSTDICC050	SSTDICC050	BM050382.D	07/08/2025	16:01
SSTDICC060	SSTDICC060	BM050383.D	07/08/2025	16:41
SSTDICC080	SSTDICC080	BM050384.D	07/08/2025	17:22

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2664

Lab File ID: BM050487.D | DFTPP Injection Date: 07/23/2025

Instrument ID: BNA_M | DFTPP Injection Time: 12:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.5) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	76.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.8 (19.9) 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	BM050488.D	07/23/2025	13:14
GDW3	Q2664-01	BM050493.D	07/23/2025	16:57

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2664

Client ID : SSTDCCC040 Date Analyzed: 07/30/2025

Lab File ID: BF143269.D Time Analyzed: 15:22

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	110548	6.963	425847	8.25	214991	10.00
	UPPER LIMIT	221096	7.463	851694	8.745	429982	10.504
	LOWER LIMIT	55274	6.463	212924	7.745	107496	9.504
	EPA SAMPLE NO.						
01	PB168971BL	102425	6.96	398799	8.24	212310	10.00
02	PB168971BS	110955	6.96	433977	8.25	229633	10.00
03	PB168971BSD	104468	6.96	406759	8.25	215723	10.00

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.: Q2664

Client ID: SSTDCCC040 Date Analyzed: 07/30/2025

Lab File ID: BF143269.D Time Analyzed: 15:22

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	356537	11.486	214084	14.127	240904	15.633
	UPPER LIMIT	713074	11.986	428168	14.627	481808	16.133
	LOWER LIMIT	178269	10.986	107042	13.627	120452	15.133
	EPA SAMPLE NO.						
01	PB168971BL	372104	11.49	214586	14.12	214112	15.63
02	PB168971BS	407884	11.49	252100	14.13	223360	15.63
03	PB168971BSD	365952	11.49	212987	14.13	212260	15.63

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2664

Client ID : SSTDCCC040 Date Analyzed: 07/23/2025

Lab File ID: BM050488.D Time Analyzed: 13:14

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	538986	7.845	2095880	10.65	1417300	14.48
	UPPER LIMIT	1077970	8.345	4191760	11.145	2834600	14.98
	LOWER LIMIT	269493	7.345	1047940	10.145	708650	13.98
	EPA SAMPLE NO.						
01	GDW3	754110	7.85	2702600	10.64	1716080	14.47

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.: Q2664

Client ID: SSTDCCC040 Date Analyzed: 07/23/2025

Lab File ID: BM050488.D Time Analyzed: 13:14

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	2849650	17.215	2992560	21.444	3273800	24.474
	UPPER LIMIT	5699300	17.715	5985120	21.944	6547600	24.974
	LOWER LIMIT	1424830	16.715	1496280	20.944	1636900	23.974
	EPA SAMPLE NO.						
01	GDW3	3357460	17.21	3117070	21.44	3289270	24.47

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.

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	PB168971BL	SDG No.:	Q2664
Lab Sample ID:	PB168971BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143270.D	1	07/23/25 09:00	07/30/25 15:52	PB168971

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.0	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.81	U	0.81	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.00	ug/L
98-86-2	Acetophenone	0.74	U	0.74	5.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.50	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
78-59-1	Isophorone	0.75	U	0.75	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	0.68	5.00	ug/L
91-20-3	Naphthalene	0.50	U	0.50	5.00	ug/L
106-47-8	4-Chloroaniline	0.84	U	0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
105-60-2	Caprolactam	1.10	U	1.10	10.0	ug/L
91-57-6	2-Methylnaphthalene	0.56	U	0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	3.60	U	3.60	10.0	ug/L
92-52-4	1,1-Biphenyl	0.53	U	0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.61	U	0.61	5.00	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.00	ug/L
131-11-3	Dimethylphthalate	0.61	U	0.61	5.00	ug/L
208-96-8	Acenaphthylene	0.75	U	0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	0.92	U	0.92	5.00	ug/L
99-09-2	3-Nitroaniline	1.10	U	1.10	5.00	ug/L
83-32-9	Acenaphthene	0.55	U	0.55	5.00	ug/L
132-64-9	Dibenzofuran	0.61	U	0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
84-66-2	Diethylphthalate	0.69	U	0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.68	U	0.68	5.00	ug/L
86-73-7	Fluorene	0.63	U	0.63	5.00	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.00	ug/L

Raw Data: **BF143270.D**

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Nelson			Date Received:	
Client Sample ID:	PB168971BL			SDG No.:	Q2664
Lab Sample ID:	PB168971BL			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group2
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143270.D	1	07/23/25 09:00	07/30/25 15:52	PB168971

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
86-30-6	n-Nitrosodiphenylamine	0.58	U	0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.40	U	0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.00	ug/L
85-01-8	Phenanthrene	0.50	U	0.50	5.00	ug/L
120-12-7	Anthracene	0.61	U	0.61	5.00	ug/L
86-74-8	Carbazole	0.72	U	0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.00	ug/L
206-44-0	Fluoranthene	0.82	U	0.82	5.00	ug/L
129-00-0	Pyrene	0.50	U	0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	1.90	U	1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	0.93	U	0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.45	U	0.45	5.00	ug/L
218-01-9	Chrysene	0.44	U	0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.30	U	2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	0.55	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.67	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	0.69	U	0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	0.52	5.00	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	77.6		67 - 132	78%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.5		52 - 132	76%	SPK: 100
1718-51-0	Terphenyl-d14	80.4		42 - 152	80%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	102000	6.963			

Raw Data: **BF143270.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	PB168971BL	SDG No.:	Q2664
Lab Sample ID:	PB168971BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143270.D	1	07/23/25 09:00	07/30/25 15:52	PB168971

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1146-65-2	Naphthalene-d8	399000	8.239			
15067-26-2	Acenaphthene-d10	212000	9.998			
1517-22-2	Phenanthrene-d10	372000	11.486			
1719-03-5	Chrysene-d12	215000	14.121			
1520-96-3	Perylene-d12	214000	15.633			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	9.60	A		5.22	ug/L
000630-02-4	Octacosane	5.10	J		14.4	ug/L
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	12.2	J		17.5	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Raw Data: **BF143271.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	PB168971BS	SDG No.:	Q2664
Lab Sample ID:	PB168971BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143271.D	1	07/23/25 09:00	07/30/25 16:22	PB168971

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	29.7		3.90	10.0	ug/L
111-44-4	bis(2-Chloroethyl)ether	40.4		0.81	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	39.2		1.30	5.00	ug/L
98-86-2	Acetophenone	41.0		0.74	5.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine	40.6		1.40	2.50	ug/L
67-72-1	Hexachloroethane	43.3		0.65	5.00	ug/L
98-95-3	Nitrobenzene	42.7		0.76	5.00	ug/L
78-59-1	Isophorone	41.3		0.75	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	40.9		0.68	5.00	ug/L
91-20-3	Naphthalene	41.9		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	21.6		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	42.6		0.54	5.00	ug/L
105-60-2	Caprolactam	48.7		1.10	10.0	ug/L
91-57-6	2-Methylnaphthalene	42.5		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	79.0		3.60	10.0	ug/L
92-52-4	1,1-Biphenyl	42.4		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	41.9		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	47.3		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	44.9		0.61	5.00	ug/L
208-96-8	Acenaphthylene	42.6		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	48.9		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	31.8		1.10	5.00	ug/L
83-32-9	Acenaphthene	47.6		0.55	5.00	ug/L
132-64-9	Dibenzofuran	42.1		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	53.1		1.20	5.00	ug/L
84-66-2	Diethylphthalate	45.7		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	43.5		0.68	5.00	ug/L
86-73-7	Fluorene	43.8		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	51.1		1.50	5.00	ug/L

Raw Data: **BF143271.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	PB168971BS	SDG No.:	Q2664
Lab Sample ID:	PB168971BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143271.D	1	07/23/25 09:00	07/30/25 16:22	PB168971

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
86-30-6	n-Nitrosodiphenylamine	40.2		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	41.6		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	41.5		0.52	5.00	ug/L
1912-24-9	Atrazine	47.9		1.00	5.00	ug/L
85-01-8	Phenanthrene	42.5		0.50	5.00	ug/L
120-12-7	Anthracene	42.2		0.61	5.00	ug/L
86-74-8	Carbazole	44.5		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	47.5		1.20	5.00	ug/L
206-44-0	Fluoranthene	48.2		0.82	5.00	ug/L
129-00-0	Pyrene	44.1		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	56.6		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	25.8		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	44.2		0.45	5.00	ug/L
218-01-9	Chrysene	43.3		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	48.0		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	41.1		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	44.8		0.49	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	50.0		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	46.3		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	43.6		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	43.7		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	43.7		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	41.7		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	32.5		1.00	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	74.9		67 - 132	75%	SPK: 100
321-60-8	2-Fluorobiphenyl	72.7		52 - 132	73%	SPK: 100
1718-51-0	Terphenyl-d14	75.8		42 - 152	76%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	111000	6.963			

Raw Data: **BF143271.D**

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Nelson			Date Received:	
Client Sample ID:	PB168971BS			SDG No.:	Q2664
Lab Sample ID:	PB168971BS			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group2
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143271.D	1	07/23/25 09:00	07/30/25 16:22	PB168971

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1146-65-2	Naphthalene-d8	434000	8.245			
15067-26-2	Acenaphthene-d10	230000	10.004			
1517-22-2	Phenanthrene-d10	408000	11.486			
1719-03-5	Chrysene-d12	252000	14.133			
1520-96-3	Perylene-d12	223000	15.633			

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

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	PB168971BSD	SDG No.:	Q2664
Lab Sample ID:	PB168971BSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143272.D	1	07/23/25 09:00	07/30/25 16:51	PB168971

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	30.1		3.90	10.0	ug/L
111-44-4	bis(2-Chloroethyl)ether	40.9		0.81	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	39.4		1.30	5.00	ug/L
98-86-2	Acetophenone	41.7		0.74	5.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine	40.8		1.40	2.50	ug/L
67-72-1	Hexachloroethane	43.8		0.65	5.00	ug/L
98-95-3	Nitrobenzene	43.0		0.76	5.00	ug/L
78-59-1	Isophorone	41.4		0.75	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41.2		0.68	5.00	ug/L
91-20-3	Naphthalene	42.6		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	19.5		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	43.8		0.54	5.00	ug/L
105-60-2	Caprolactam	48.1		1.10	10.0	ug/L
91-57-6	2-Methylnaphthalene	42.8		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	79.5		3.60	10.0	ug/L
92-52-4	1,1-Biphenyl	42.6		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	42.4		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	47.1		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	44.4		0.61	5.00	ug/L
208-96-8	Acenaphthylene	42.4		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	48.3		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	29.8		1.10	5.00	ug/L
83-32-9	Acenaphthene	47.9		0.55	5.00	ug/L
132-64-9	Dibenzofuran	41.6		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	51.6		1.20	5.00	ug/L
84-66-2	Diethylphthalate	45.1		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	43.4		0.68	5.00	ug/L
86-73-7	Fluorene	43.6		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	48.1		1.50	5.00	ug/L

Raw Data: **BF143272.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	PB168971BSD	SDG No.:	Q2664
Lab Sample ID:	PB168971BSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143272.D	1	07/23/25 09:00	07/30/25 16:51	PB168971

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
86-30-6	n-Nitrosodiphenylamine	41.3		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	42.3		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	42.3		0.52	5.00	ug/L
1912-24-9	Atrazine	48.0		1.00	5.00	ug/L
85-01-8	Phenanthrene	42.8		0.50	5.00	ug/L
120-12-7	Anthracene	42.8		0.61	5.00	ug/L
86-74-8	Carbazole	44.4		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	46.7		1.20	5.00	ug/L
206-44-0	Fluoranthene	46.0		0.82	5.00	ug/L
129-00-0	Pyrene	44.8		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	55.8		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	27.2		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	45.1		0.45	5.00	ug/L
218-01-9	Chrysene	43.0		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	48.5		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	43.3		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	43.9		0.49	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	47.6		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	45.1		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	44.1		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	44.0		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	44.3		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	42.1		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	32.2		1.00	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	78.3		67 - 132	78%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.0		52 - 132	75%	SPK: 100
1718-51-0	Terphenyl-d14	79.9		42 - 152	80%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	104000	6.963			

Raw Data: **BF143272.D**

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Nelson			Date Received:	
Client Sample ID:	PB168971BSD			SDG No.:	Q2664
Lab Sample ID:	PB168971BSD			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group2
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143272.D	1	07/23/25 09:00	07/30/25 16:51	PB168971

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1146-65-2	Naphthalene-d8	407000	8.245			
15067-26-2	Acenaphthene-d10	216000	10.004			
1517-22-2	Phenanthrene-d10	366000	11.486			
1719-03-5	Chrysene-d12	213000	14.127			
1520-96-3	Perylene-d12	212000	15.633			

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

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF071725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Jul 17 15:14:05 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF143140.D 5 =BF143141.D 10 =BF143142.D 20 =BF143143.D 40 =BF143144.D 50 =BF143145.D 60 =BF143146.D 80 =BF1431
47.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.622	0.582	0.614	0.600	0.625	0.584	0.558	0.598	4.09
3)		Pyridine		1.631	1.557	1.551	1.530	1.618	1.525	1.452	1.552	3.88
4)		n-Nitrosodimet...			0.776	0.799	0.810	0.851	0.804	0.768	0.801	3.66
5)	S	2-Fluorophenol		1.385	1.313	1.319	1.231	1.284	1.194	1.121	1.264	7.00
6)		Aniline		2.334	2.259	2.273	2.204	2.292	2.139	2.018	2.217	4.86
7)	S	Phenol-d6		1.733	1.640	1.657	1.554	1.632	1.506	1.413	1.591	6.72
8)		2-Chlorophenol		1.391	1.343	1.371	1.310	1.369	1.284	1.205	1.325	4.87
9)		Benzaldehyde			1.167	1.163	1.443	1.411	1.122	0.851	1.193	18.13
10)	C	Phenol		1.882	1.767	1.776	1.711	1.788	1.675	1.531	1.733	6.37
11)		bis(2-Chloroet...		1.419	1.343	1.379	1.303	1.361	1.281	1.203	1.327	5.40
12)		1,3-Dichlorobe...		1.572	1.513	1.494	1.401	1.466	1.362	1.266	1.439	7.18
13)	C	1,4-Dichlorobe...		1.602	1.518	1.502	1.418	1.473	1.357	1.275	1.449	7.52
14)		1,2-Dichlorobe...		1.509	1.413	1.445	1.343	1.413	1.303	1.223	1.378	6.96
15)		Benzyl Alcohol			1.214	1.246	1.215	1.278	1.193	1.141	1.215	3.85
16)		2,2'-oxybis(1-...		2.670	2.553	2.545	2.421	2.517	2.343	2.182	2.461	6.55
17)		2-Methylphenol		1.178	1.111	1.141	1.097	1.160	1.084	1.026	1.114	4.61
18)		Hexachloroethane		0.522	0.498	0.522	0.495	0.525	0.491	0.460	0.502	4.68
19)	P	n-Nitroso-di-n...	1.101	1.111	1.051	1.028	0.986	1.023	0.953	0.912	1.021	6.76
20)		3+4-Methylphenols			1.467	1.469	1.341	1.402	1.268	1.162	1.351	8.95
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.527	0.504	0.501	0.455	0.476	0.442	0.409	0.474	8.65
23)	S	Nitrobenzene-d5		0.407	0.394	0.417	0.399	0.417	0.397	0.378	0.401	3.47
24)		Nitrobenzene		0.380	0.370	0.388	0.375	0.388	0.373	0.345	0.374	3.88
25)		Isophorone		0.748	0.707	0.711	0.692	0.734	0.699	0.667	0.708	3.75
26)	C	2-Nitrophenol		0.133	0.141	0.164	0.172	0.182	0.177	0.168	0.162	11.25
27)		2,4-Dimethylph...		0.356	0.340	0.341	0.324	0.338	0.319	0.298	0.331	5.70
28)		bis(2-Chloroet...		0.463	0.437	0.442	0.413	0.430	0.405	0.383	0.425	6.28
29)	C	2,4-Dichloroph...		0.292	0.282	0.287	0.276	0.289	0.271	0.256	0.279	4.44
30)		1,2,4-Trichlor...		0.329	0.307	0.318	0.294	0.303	0.290	0.270	0.302	6.43
31)		Naphthalene		1.118	1.038	1.032	0.954	0.986	0.916	0.851	0.985	8.91
32)		Benzoic acid			0.104	0.149	0.180	0.197	0.187	0.194	0.169	21.36
33)		4-Chloroaniline		0.437	0.417	0.419	0.390	0.408	0.383	0.361	0.402	6.33
34)	C	Hexachlorobuta...		0.193	0.190	0.191	0.181	0.188	0.179	0.169	0.184	4.59
35)		Caprolactam			0.078	0.084	0.087	0.091	0.085	0.082	0.084	5.35
36)	C	4-Chloro-3-met...		0.319	0.310	0.307	0.301	0.311	0.294	0.282	0.303	4.04
37)		2-Methylnaphth...		0.667	0.634	0.628	0.580	0.603	0.561	0.522	0.599	8.17
38)		1-Methylnaphth...		0.682	0.652	0.650	0.599	0.621	0.579	0.537	0.617	8.05

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF071725.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.638	0.598	0.601	0.550	0.582	0.558	0.515	0.577	6.93
41)	P	Hexachlorocycl...		0.337	0.373	0.373	0.404	0.393	0.374	0.376	6.14
42)	S	2,4,6-Tribromo...	0.200	0.202	0.212	0.210	0.218	0.206	0.198	0.207	3.55
43)	C	2,4,6-Trichlor...	0.391	0.406	0.412	0.384	0.429	0.401	0.374	0.400	4.63
44)		2,4,5-Trichlor...	0.404	0.387	0.411	0.405	0.411	0.395	0.384	0.400	2.76
45)	S	2-Fluorobiphenyl	1.761	1.644	1.547	1.358	1.414	1.323	1.190	1.462	13.58
46)		1,1'-Biphenyl	1.748	1.667	1.640	1.489	1.553	1.472	1.353	1.560	8.62
47)		2-Chloronaphth...	1.268	1.223	1.192	1.103	1.166	1.104	1.026	1.155	7.14
48)		2-Nitroaniline	0.305	0.333	0.372	0.377	0.396	0.386	0.366	0.362	8.85
49)		Acenaphthylene	2.134	2.052	2.011	1.860	1.958	1.834	1.694	1.935	7.71
50)		Dimethylphthalate	1.422	1.340	1.340	1.279	1.325	1.251	1.169	1.304	6.16
51)		2,6-Dinitrotol...	0.225	0.250	0.272	0.278	0.289	0.277	0.266	0.265	8.14
52)	C	Acenaphthene	1.278	1.194	1.184	1.096	1.155	1.083	1.016	1.144	7.53
53)		3-Nitroaniline	0.285	0.300	0.315	0.317	0.334	0.318	0.303	0.310	5.13
54)	P	2,4-Dinitrophenol		0.051	0.081	0.104	0.116	0.118	0.121	0.098	28.02
55)		Dibenzofuran	1.929	1.807	1.766	1.633	1.698	1.587	1.465	1.698	9.02
56)	P	4-Nitrophenol		0.200	0.228	0.246	0.250	0.237	0.229	0.232	7.70
57)		2,4-Dinitrotol...	0.269	0.296	0.342	0.354	0.372	0.354	0.341	0.333	11.03
58)		Fluorene	1.480	1.402	1.322	1.212	1.257	1.161	1.086	1.274	10.79
59)		2,3,4,6-Tetrac...	0.321	0.331	0.345	0.333	0.351	0.329	0.309	0.331	4.30
60)		Diethylphthalate	1.377	1.322	1.335	1.269	1.329	1.231	1.158	1.289	5.81
61)		4-Chlorophenyl...	0.710	0.670	0.657	0.612	0.633	0.601	0.558	0.635	7.86
62)		4-Nitroaniline	0.236	0.255	0.266	0.280	0.289	0.270	0.265	0.266	6.44
63)		Azobenzene	1.452	1.401	1.389	1.320	1.364	1.278	1.196	1.343	6.38
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.054	0.087	0.097	0.110	0.109	0.109	0.094	22.88
66)	c	n-Nitrosodiphe...	0.761	0.728	0.721	0.674	0.726	0.685	0.634	0.704	6.03
67)		4-Bromophenyl-...	0.252	0.238	0.241	0.228	0.247	0.239	0.223	0.238	4.26
68)		Hexachlorobenzene	0.269	0.248	0.252	0.239	0.258	0.245	0.233	0.249	4.80
69)		Atrazine	0.184	0.187	0.198	0.196	0.208	0.197	0.189	0.194	4.32
70)	C	Pentachlorophenol		0.119	0.146	0.148	0.160	0.155	0.150	0.147	9.70
71)		Phenanthrene	1.191	1.100	1.117	1.020	1.069	1.002	0.934	1.062	7.98
72)		Anthracene	1.184	1.136	1.134	1.038	1.095	1.038	0.956	1.083	7.13
73)		Carbazole	1.042	0.969	0.982	0.929	0.963	0.899	0.836	0.946	6.93
74)		Di-n-butylphth...	1.076	1.054	1.129	1.074	1.119	1.048	0.990	1.070	4.36
75)	C	Fluoranthene	1.085	0.987	1.018	0.953	0.979	0.928	0.873	0.975	6.91
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.758	0.844	0.953	0.697	0.601		0.771	17.53
78)		Pyrene	1.909	1.783	1.783	1.715	1.740	1.523	1.494	1.707	8.72
79)	S	Terphenyl-d14	1.567	1.456	1.419	1.311	1.342	1.191	1.122	1.344	11.43
80)		Butylbenzylpht...	0.438	0.472	0.536	0.544	0.582	0.556	0.532	0.523	9.61
81)		Benzo(a)anthra...	1.374	1.367	1.381	1.282	1.422	1.313	1.235	1.339	4.86
82)		3,3'-Dichlorob...		0.437	0.495	0.429	0.476	0.440	0.401	0.446	7.58
83)		Chrysene	1.282	1.174	1.247	1.206	1.218	1.173	1.127	1.204	4.29
84)		Bis(2-ethylhex...	0.691	0.755	0.824	0.789	0.862	0.826	0.789	0.791	7.03
85)	c	Di-n-octyl pht...		1.274	1.428	1.384	1.550	1.508	1.461	1.434	6.83

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF071725.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.424	1.336	1.430	1.413	1.505	1.411	1.352	1.410	3.92
88)		Benzo(b)fluora...	1.231	1.136	1.287	1.147	1.352	1.188	1.212	1.222	6.30
89)		Benzo(k)fluora...	1.168	1.152	1.093	1.134	1.069	1.080	0.937	1.090	7.10
90)	C	Benzo(a)pyrene	1.129	1.102	1.147	1.121	1.192	1.121	1.070	1.126	3.35
91)		Dibenzo(a,h)an...	1.159	1.103	1.179	1.147	1.221	1.140	1.087	1.148	3.92
92)		Benzo(g,h,i)pe...	1.100	1.047	1.140	1.109	1.196	1.113	1.067	1.110	4.37

(#) = Out of Range

Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM070925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jul 08 18:32:25 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BM050377.D 5 =BM050378.D 10 =BM050379.D 20 =BM050380.D 40 =BM050381.D 50 =BM050382.D 60 =BM050383.D 80 =BM0503
84.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.504	0.466	0.482	0.460	0.501	0.474	0.457	0.478	3.99
3)		Pyridine		1.249	1.197	1.256	1.228	1.336	1.279	1.236	1.254	3.52
4)		n-Nitrosodimet...			0.562	0.595	0.572	0.620	0.595	0.565	0.585	3.88
5)	S	2-Fluorophenol		1.126	1.079	1.149	1.152	1.258	1.202	1.168	1.162	4.89
6)		Aniline		1.784	1.702	1.844	1.878	2.042	1.987	1.921	1.880	6.20
7)	S	Phenol-d6		1.367	1.327	1.441	1.466	1.607	1.547	1.498	1.465	6.67
8)		2-Chlorophenol		1.135	1.105	1.219	1.217	1.341	1.301	1.258	1.225	6.89
9)		Benzaldehyde			0.944	0.985	0.897	0.837	0.694		0.871	13.03
10)	C	Phenol		1.460	1.412	1.516	1.508	1.666	1.598	1.535	1.528	5.51
11)		bis(2-Chloroet...		1.202	1.134	1.223	1.196	1.324	1.268	1.218	1.223	4.88
12)		1,3-Dichlorobe...		1.504	1.425	1.496	1.448	1.580	1.511	1.465	1.490	3.40
13)	C	1,4-Dichlorobe...		1.553	1.459	1.536	1.465	1.610	1.538	1.487	1.521	3.57
14)		1,2-Dichlorobe...		1.481	1.395	1.454	1.410	1.541	1.485	1.428	1.456	3.48
15)		Benzyl Alcohol			0.907	0.995	1.022	1.125	1.090	1.052	1.032	7.45
16)		2,2'-oxybis(1-...		1.835	1.741	1.818	1.752	1.907	1.821	1.741	1.802	3.41
17)		2-Methylphenol		0.922	0.898	0.980	0.990	1.089	1.048	1.008	0.991	6.71
18)		Hexachloroethane		0.518	0.501	0.532	0.520	0.574	0.556	0.543	0.535	4.66
19)	P	n-Nitroso-di-n...	0.790	0.805	0.808	0.888	0.911	1.005	0.968	0.924	0.887	9.01
20)		3+4-Methylphenols			1.170	1.296	1.325	1.458	1.393	1.338	1.330	7.29
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.493	0.479	0.501	0.491	0.534	0.513	0.489	0.500	3.69
23)	S	Nitrobenzene-d5		0.362	0.355	0.390	0.392	0.429	0.415	0.400	0.392	6.77
24)		Nitrobenzene		0.333	0.329	0.353	0.345	0.377	0.362	0.349	0.350	4.73
25)		Isophorone		0.571	0.574	0.634	0.640	0.702	0.679	0.652	0.636	7.73
26)	C	2-Nitrophenol		0.107	0.112	0.132	0.147	0.167	0.167	0.167	0.143	18.26
27)		2,4-Dimethylph...		0.295	0.275	0.301	0.299	0.329	0.317	0.308	0.303	5.63
28)		bis(2-Chloroet...		0.407	0.395	0.422	0.417	0.454	0.436	0.420	0.422	4.61
29)	C	2,4-Dichloroph...		0.277	0.279	0.311	0.312	0.344	0.334	0.325	0.312	8.26
30)		1,2,4-Trichlor...		0.370	0.349	0.369	0.362	0.397	0.385	0.378	0.373	4.21
31)		Naphthalene		1.033	0.975	1.024	0.988	1.071	1.029	0.992	1.016	3.26
32)		Benzoic acid			0.100	0.139	0.164	0.195	0.194	0.199	0.165	23.89
33)		4-Chloroaniline		0.398	0.397	0.427	0.429	0.465	0.453	0.437	0.429	6.00
34)	C	Hexachlorobuta...		0.222	0.209	0.222	0.221	0.244	0.239	0.235	0.228	5.37
35)		Caprolactam			0.064	0.081	0.087	0.096	0.093	0.090	0.085	13.87
36)	C	4-Chloro-3-met...		0.258	0.256	0.288	0.295	0.326	0.313	0.302	0.291	9.10
37)		2-Methylnaphth...		0.611	0.595	0.638	0.635	0.693	0.671	0.647	0.641	5.19
38)		1-Methylnaphth...		0.651	0.629	0.674	0.673	0.736	0.707	0.681	0.679	5.17

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM070925.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.590	0.569	0.611	0.622	0.700	0.683	0.677	0.636	7.93
41)	P	Hexachlorocycl...		0.320	0.361	0.396	0.450	0.454	0.459	0.407	14.08
42)	S	2,4,6-Tribromo...	0.182	0.195	0.230	0.248	0.285	0.280	0.280	0.243	17.40
43)	C	2,4,6-Trichlor...	0.330	0.335	0.377	0.394	0.443	0.434	0.427	0.391	11.81
44)		2,4,5-Trichlor...	0.359	0.376	0.415	0.430	0.484	0.470	0.460	0.428	11.13
45)	S	2-Fluorobiphenyl	1.572	1.538	1.611	1.592	1.753	1.697	1.575	1.620	4.74
46)		1,1'-Biphenyl	1.464	1.419	1.479	1.441	1.586	1.527	1.471	1.484	3.79
47)		2-Chloronaphth...	1.164	1.126	1.187	1.150	1.267	1.217	1.171	1.183	3.93
48)		2-Nitroaniline	0.197	0.211	0.253	0.278	0.312	0.302	0.295	0.264	17.17
49)		Acenaphthylene	1.645	1.658	1.795	1.775	1.956	1.875	1.811	1.788	6.21
50)		Dimethylphthalate	1.323	1.285	1.368	1.351	1.506	1.432	1.373	1.377	5.29
51)		2,6-Dinitrotol...	0.196	0.224	0.263	0.273	0.308	0.297	0.289	0.264	15.41
52)	C	Acenaphthene	1.086	1.050	1.126	1.111	1.231	1.196	1.158	1.137	5.51
53)		3-Nitroaniline	0.204	0.231	0.278	0.294	0.330	0.319	0.311	0.281	16.81
54)	P	2,4-Dinitrophenol		0.074	0.097	0.117	0.140	0.147	0.150	0.121	25.40
55)		Dibenzofuran	1.747	1.674	1.756	1.709	1.880	1.784	1.711	1.751	3.84
56)	P	4-Nitrophenol		0.182	0.225	0.245	0.276	0.265	0.258	0.242	14.15
57)		2,4-Dinitrotol...	0.234	0.277	0.340	0.371	0.422	0.407	0.401	0.350	20.31
58)		Fluorene	1.348	1.328	1.428	1.419	1.582	1.522	1.470	1.443	6.29
59)		2,3,4,6-Tetrac...	0.299	0.306	0.355	0.365	0.405	0.397	0.392	0.360	11.92
60)		Diethylphthalate	1.217	1.210	1.319	1.309	1.454	1.379	1.320	1.315	6.51
61)		4-Chlorophenyl...	0.687	0.673	0.733	0.747	0.839	0.811	0.790	0.754	8.28
62)		4-Nitroaniline	0.192	0.228	0.284	0.311	0.350	0.331	0.320	0.288	20.10
63)		Azobenzene	1.085	1.116	1.234	1.208	1.335	1.272	1.204	1.208	7.15
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.057	0.077	0.094	0.109	0.113	0.117	0.095	24.90
66)	c	n-Nitrosodiphe...	0.572	0.577	0.620	0.623	0.678	0.658	0.654	0.626	6.49
67)		4-Bromophenyl-...	0.196	0.194	0.211	0.218	0.242	0.240	0.241	0.220	9.61
68)		Hexachlorobenzene	0.239	0.233	0.253	0.256	0.283	0.279	0.278	0.260	7.78
69)		Atrazine	0.166	0.175	0.199	0.211	0.232	0.228	0.227	0.206	12.95
70)	C	Pentachlorophenol		0.122	0.145	0.161	0.181	0.180	0.183	0.162	15.23
71)		Phenanthrene	1.119	1.070	1.119	1.101	1.206	1.163	1.143	1.132	3.91
72)		Anthracene	1.028	1.017	1.109	1.117	1.233	1.204	1.179	1.127	7.44
73)		Carbazole	0.939	0.944	1.009	1.010	1.108	1.073	1.052	1.019	6.23
74)		Di-n-butylphth...	0.954	0.961	1.091	1.140	1.252	1.216	1.196	1.116	10.76
75)	C	Fluoranthene	1.088	1.079	1.182	1.233	1.366	1.339	1.327	1.230	9.67
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.370	0.521	0.553	0.601	0.552	0.464	0.510	16.08
78)		Pyrene	1.198	1.177	1.260	1.260	1.388	1.366	1.316	1.281	6.26
79)	S	Terphenyl-d14	1.095	1.110	1.225	1.258	1.298	1.094	0.878	1.137	12.43
80)		Butylbenzylpht...	0.317	0.334	0.401	0.441	0.492	0.491	0.479	0.422	17.39
81)		Benzo(a)anthra...	1.204	1.202	1.282	1.282	1.428	1.379	1.345	1.303	6.57
82)		3,3'-Dichlorob...		0.351	0.406	0.429	0.498	0.487	0.465	0.439	12.66
83)		Chrysene	1.162	1.153	1.200	1.209	1.327	1.303	1.249	1.229	5.45
84)		Bis(2-ethylhex...	0.499	0.546	0.658	0.705	0.780	0.763	0.742	0.670	16.33
85)	c	Di-n-octyl pht...		0.742	0.931	1.058	1.193	1.194	1.183	1.050	17.44

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM070925.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.208	1.238	1.374	1.415	1.603	1.564	1.551	1.422	11.17
88)		Benzo(b)fluora...	1.090	1.075	1.177	1.230	1.368	1.344	1.327	1.230	9.83
89)		Benzo(k)fluora...	1.105	1.138	1.247	1.263	1.444	1.387	1.350	1.276	9.86
90)	C	Benzo(a)pyrene	0.962	0.985	1.099	1.156	1.314	1.281	1.264	1.152	12.41
91)		Dibenzo(a,h)an...	1.022	1.035	1.159	1.193	1.352	1.320	1.301	1.198	11.23
92)		Benzo(g,h,i)pe...	0.992	1.001	1.097	1.121	1.263	1.232	1.216	1.132	9.73

(#) = Out of Range

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q2664

Instrument ID: BNA_F Calibration Date/Time: 07/30/2025 15:22

Lab File ID: BF143269.D Init. Calib. Date(s): 07/17/2025 07/17/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:04 14:34

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.264	1.107		-12.4	
Benzaldehyde	1.193	1.062		-11.0	
Phenol-d6	1.591	1.376		-13.5	
bis(2-Chloroethyl)ether	1.327	1.137		-14.3	
2,2-oxybis(1-Chloropropane)	2.461	2.088		-15.2	
Acetophenone	0.474	0.411		-13.3	
n-Nitroso-di-n-propylamine	1.021	0.867	0.050	-15.1	
Nitrobenzene-d5	0.401	0.370		-7.7	
Hexachloroethane	0.502	0.469		-6.6	
Nitrobenzene	0.374	0.341		-8.8	
Isophorone	0.708	0.609		-14.0	
bis(2-Chloroethoxy)methane	0.425	0.367		-13.6	
Naphthalene	0.985	0.879		-10.8	
4-Chloroaniline	0.402	0.354		-11.9	
Hexachlorobutadiene	0.184	0.171		-7.1	20.0
Caprolactam	0.084	0.078		-7.1	
2-Methylnaphthalene	0.599	0.538		-10.2	
Hexachlorocyclopentadiene	0.376	0.330	0.050	-12.2	
2-Fluorobiphenyl	1.462	1.329		-9.1	
1,1-Biphenyl	1.560	1.419		-9.0	
2-Chloronaphthalene	1.155	1.047		-9.4	
2-Nitroaniline	0.362	0.352		-2.8	
Dimethylphthalate	1.304	1.196		-8.3	
Acenaphthylene	1.935	1.761		-9.0	
2,6-Dinitrotoluene	0.265	0.261		-1.5	
3-Nitroaniline	0.310	0.293		-5.5	
Acenaphthene	1.144	1.058		-7.5	20.0
Dibenzofuran	1.698	1.533		-9.7	
2,4-Dinitrotoluene	0.333	0.339		1.8	
Diethylphthalate	1.289	1.202		-6.7	
4-Chlorophenyl-phenylether	0.635	0.593		-6.6	
Fluorene	1.274	1.171		-8.1	
4-Nitroaniline	0.266	0.261		-1.9	
n-Nitrosodiphenylamine	0.704	0.615		-12.6	20.0
2,4,6-Tribromophenol	0.207	0.196		-5.3	
4-Bromophenyl-phenylether	0.238	0.213		-10.5	
Hexachlorobenzene	0.249	0.222		-10.8	
Atrazine	0.194	0.185		-4.6	
Phenanthrene	1.062	0.936		-11.9	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q2664

Instrument ID: BNA_F Calibration Date/Time: 07/30/2025 15:22

Lab File ID: BF143269.D Init. Calib. Date(s): 07/17/2025 07/17/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:04 14:34

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Anthracene	1.083	0.967		-10.7	
Carbazole	0.946	0.841		-11.1	
Di-n-butylphthalate	1.070	1.014		-5.2	
Fluoranthene	0.975	0.909		-6.8	20.0
Pyrene	1.707	1.487		-12.9	
Terphenyl-d14	1.344	1.192		-11.3	
Butylbenzylphthalate	0.523	0.578		10.5	
3,3-Dichlorobenzidine	0.446	0.433		-2.9	
Benzo(a)anthracene	1.339	1.235		-7.8	
Chrysene	1.204	1.044		-13.3	
Bis(2-ethylhexyl)phthalate	0.791	0.776		-1.9	
Di-n-octyl phthalate	1.434	1.319		-8.0	20.0
Benzo(b)fluoranthene	1.222	1.066		-12.8	
Benzo(k)fluoranthene	1.090	0.974		-10.6	
Benzo(a)pyrene	1.126	1.015		-9.9	20.0
Indeno(1,2,3-cd)pyrene	1.410	1.283		-9.0	
Dibenzo(a,h)anthracene	1.148	1.036		-9.8	
Benzo(g,h,i)perylene	1.110	1.032		-7.0	
1,2,4,5-Tetrachlorobenzene	0.577	0.540		-6.4	
1,4-Dioxane	0.598	0.494		-17.4	20.0

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q2664

Instrument ID: BNA_M Calibration Date/Time: 07/23/2025 13:14

Lab File ID: BM050488.D Init. Calib. Date(s): 07/08/2025 07/08/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:39 17:22

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.162	1.155		-0.6	
Benzaldehyde	0.871	0.970		11.4	
Phenol-d6	1.465	1.500		2.3	
bis(2-Chloroethyl)ether	1.223	1.205		-1.5	
2,2-oxybis(1-Chloropropane)	1.802	1.689		-6.3	
Acetophenone	0.500	0.489		-2.2	
n-Nitroso-di-n-propylamine	0.887	0.944	0.050	6.4	
Nitrobenzene-d5	0.392	0.396		1.0	
Hexachloroethane	0.535	0.524		-2.1	
Nitrobenzene	0.350	0.345		-1.4	
Isophorone	0.636	0.679		6.8	
bis(2-Chloroethoxy)methane	0.422	0.421		-0.2	
Naphthalene	1.016	0.999		-1.7	
4-Chloroaniline	0.429	0.451		5.1	
Hexachlorobutadiene	0.228	0.231		1.3	20.0
Caprolactam	0.085	0.104		22.4	
2-Methylnaphthalene	0.641	0.668		4.2	
Hexachlorocyclopentadiene	0.407	0.385	0.050	-5.4	
2-Fluorobiphenyl	1.620	1.584		-2.2	
1,1-Biphenyl	1.484	1.451		-2.2	
2-Chloronaphthalene	1.183	1.151		-2.7	
2-Nitroaniline	0.264	0.289		9.5	
Dimethylphthalate	1.377	1.406		2.1	
Acenaphthylene	1.788	1.805		1.0	
2,6-Dinitrotoluene	0.264	0.298		12.9	
3-Nitroaniline	0.281	0.315		12.1	
Acenaphthene	1.137	1.141		0.4	20.0
Dibenzofuran	1.751	1.719		-1.8	
2,4-Dinitrotoluene	0.350	0.416		18.9	
Diethylphthalate	1.315	1.354		3.0	
4-Chlorophenyl-phenylether	0.754	0.756		0.3	
Fluorene	1.443	1.440		-0.2	
4-Nitroaniline	0.288	0.327		13.5	
n-Nitrosodiphenylamine	0.626	0.614		-1.9	20.0
2,4,6-Tribromophenol	0.243	0.291		19.8	
4-Bromophenyl-phenylether	0.220	0.231		5.0	
Hexachlorobenzene	0.260	0.268		3.1	
Atrazine	0.206	0.223		8.3	
Phenanthrene	1.132	1.098		-3.0	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q2664

Instrument ID: BNA_M Calibration Date/Time: 07/23/2025 13:14

Lab File ID: BM050488.D Init. Calib. Date(s): 07/08/2025 07/08/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:39 17:22

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Anthracene	1.127	1.132		0.4	
Carbazole	1.019	1.029		1.0	
Di-n-butylphthalate	1.116	1.196		7.2	
Fluoranthene	1.230	1.298		5.5	20.0
Pyrene	1.281	1.274		-0.5	
Terphenyl-d14	1.137	1.037		-8.8	
Butylbenzylphthalate	0.422	0.518		22.7	
3,3-Dichlorobenzidine	0.439	0.521		18.7	
Benzo(a)anthracene	1.303	1.319		1.2	
Chrysene	1.229	1.218		-0.9	
Bis(2-ethylhexyl)phthalate	0.670	0.773		15.4	
Di-n-octyl phthalate	1.050	1.345		28.1	20.0
Benzo(b)fluoranthene	1.230	1.205		-2.0	
Benzo(k)fluoranthene	1.276	1.174		-8.0	
Benzo(a)pyrene	1.152	1.154		0.2	20.0
Indeno(1,2,3-cd)pyrene	1.422	1.462		2.8	
Dibenzo(a,h)anthracene	1.198	1.206		0.7	
Benzo(g,h,i)perylene	1.132	1.166		3.0	
1,2,4,5-Tetrachlorobenzene	0.636	0.641		0.8	
1,4-Dioxane	0.478	0.457		-4.4	20.0

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072325\
Data File : BM050493.D
Acq On : 23 Jul 2025 16:57
Operator : RC/JU
Sample : Q2664-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GDW3

Quant Time: Jul 23 17:38:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration

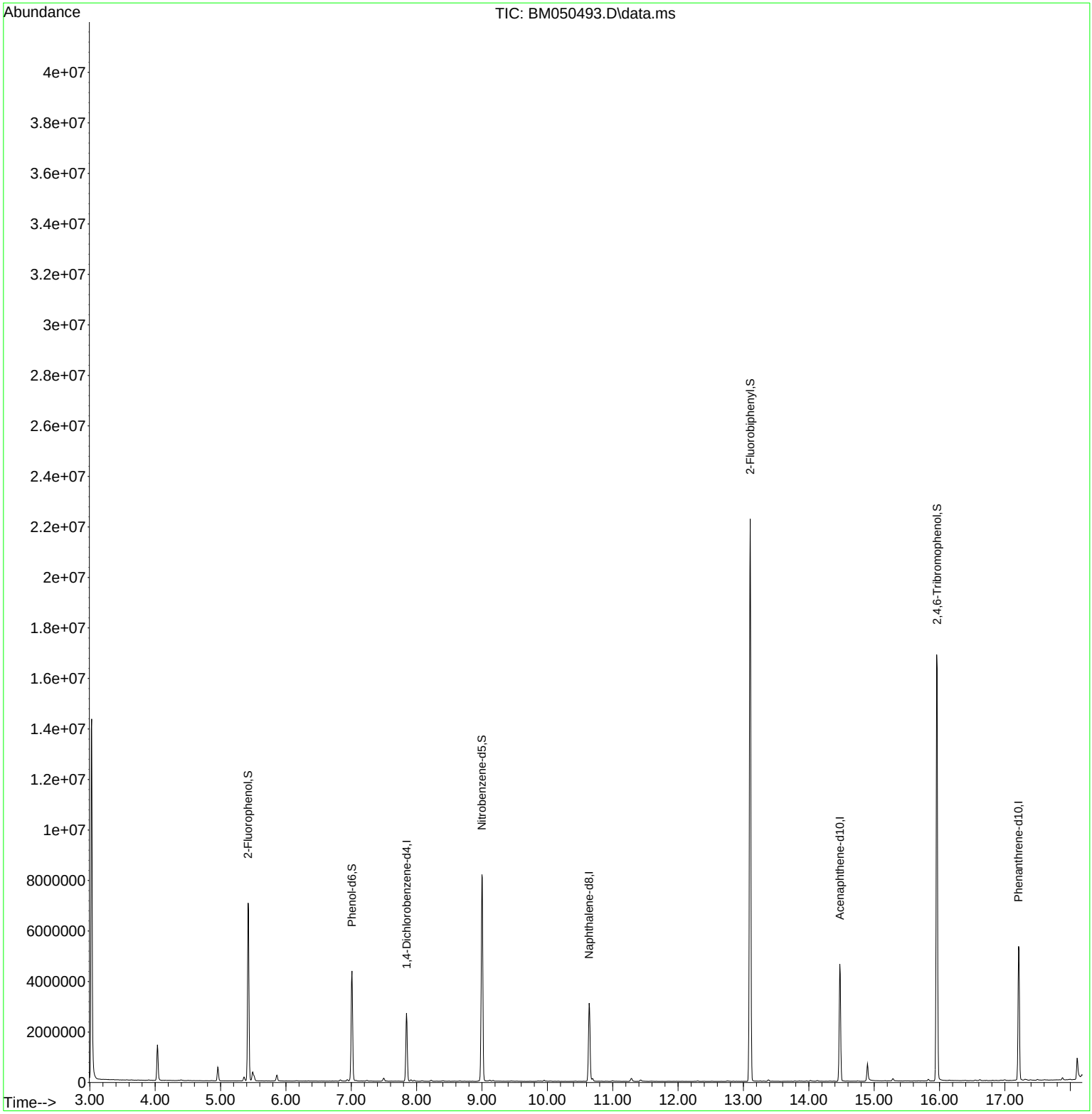
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.845	152	754110	20.000	ng	0.00
21) Naphthalene-d8	10.639	136	2702597	20.000	ng	0.00
39) Acenaphthene-d10	14.474	164	1716082	20.000	ng	0.00
64) Phenanthrene-d10	17.210	188	3357460	20.000	ng	0.00
76) Chrysene-d12	21.439	240	3117073	20.000	ng	0.00
86) Perylene-d12	24.468	264	3289265	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	3154961	72.015	ng	0.00
7) Phenol-d6	7.010	99	2490615	45.098	ng	0.00
23) Nitrobenzene-d5	8.998	82	4732461	89.337	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	3623547	173.787	ng	0.00
45) 2-Fluorobiphenyl	13.104	172	12195050	87.758	ng	0.00
79) Terphenyl-d14	19.821	244	13186934	74.435	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072325\
Data File : BM050493.D
Acq On : 23 Jul 2025 16:57
Operator : RC/JU
Sample : Q2664-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GDW3

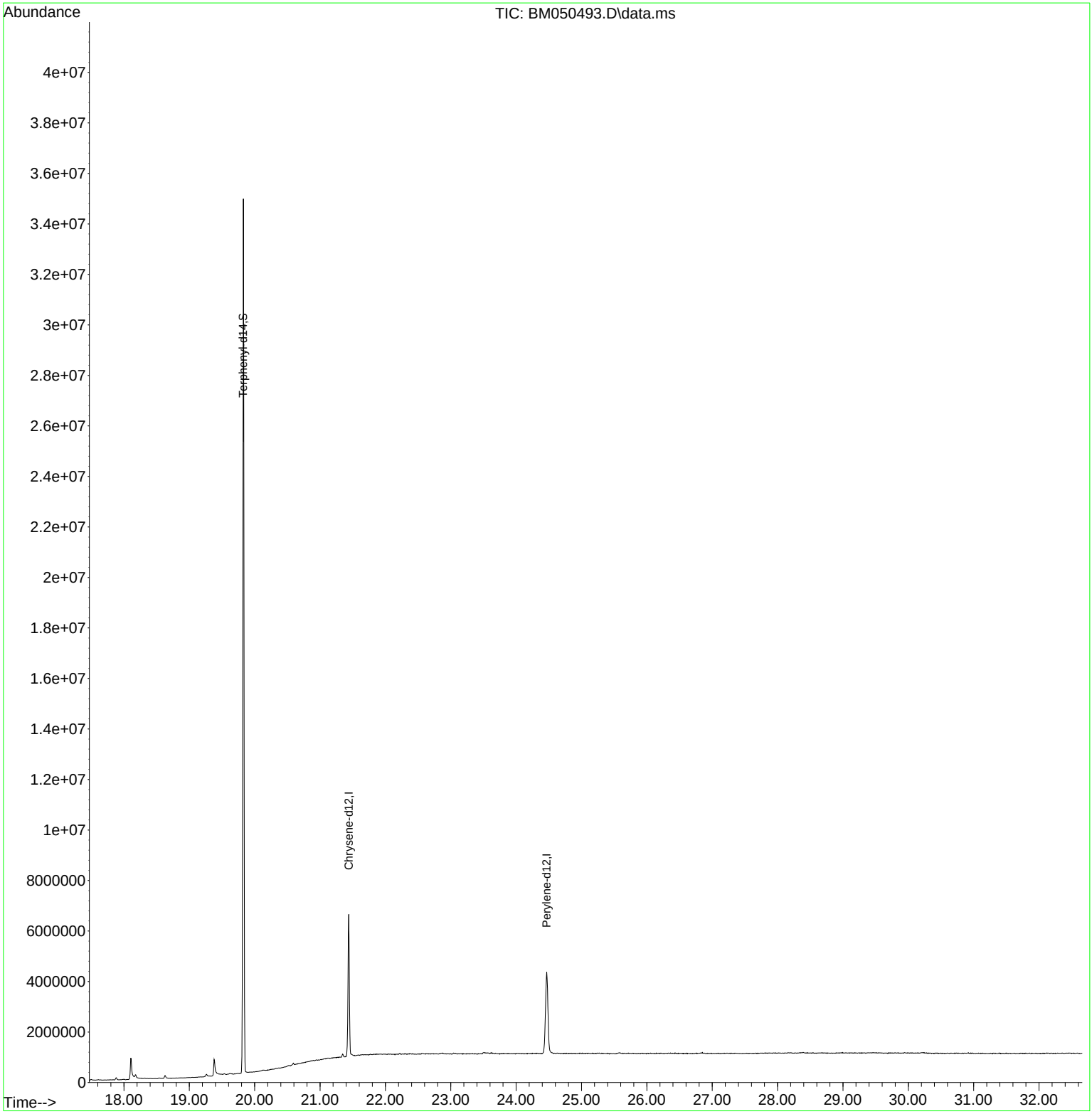
Quant Time: Jul 23 17:38:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration

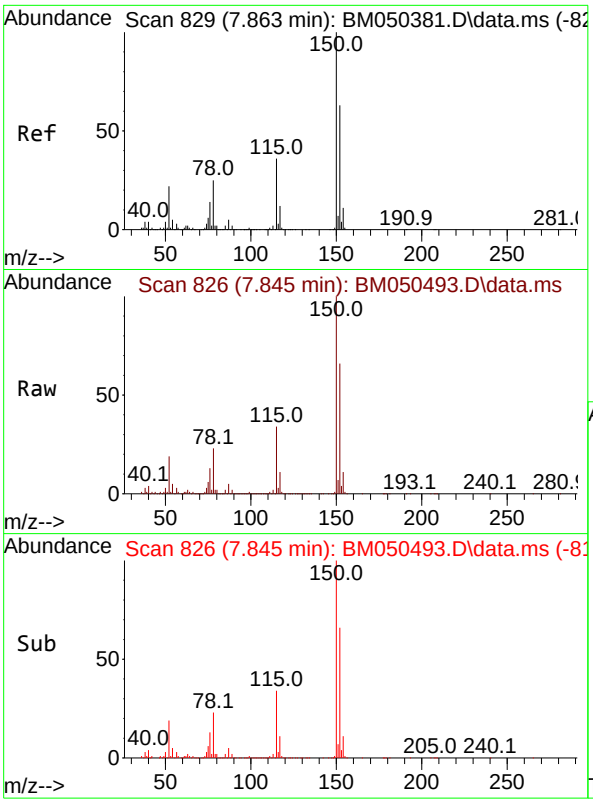


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072325\
Data File : BM050493.D
Acq On : 23 Jul 2025 16:57
Operator : RC/JU
Sample : Q2664-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GDW3

Quant Time: Jul 23 17:38:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration



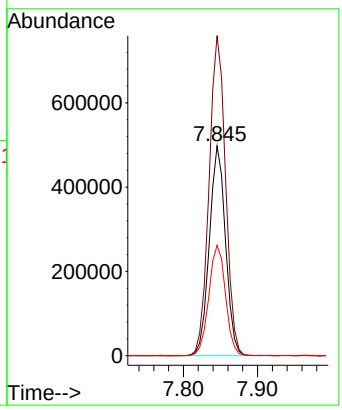


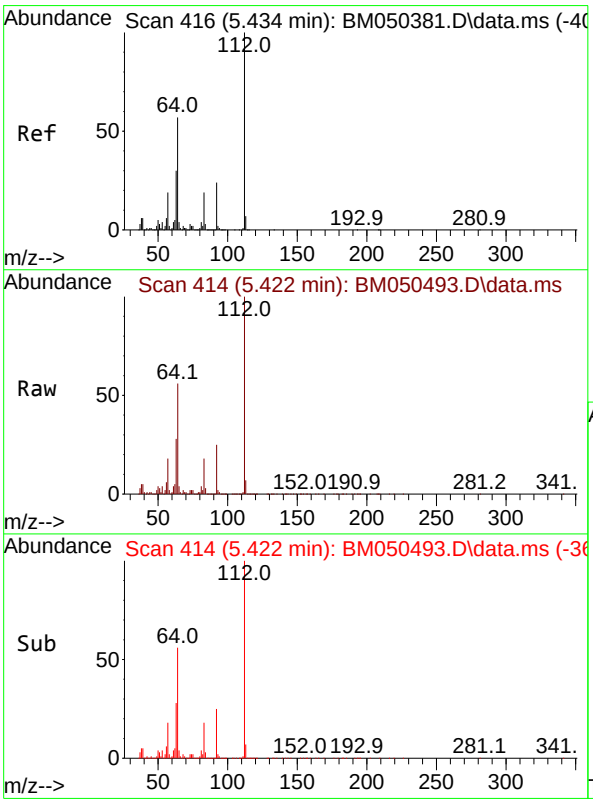
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050493.D
Acq: 23 Jul 2025 16:57

Instrument :
BNA_M
ClientSampleId :
GDW3

Tgt Ion:152 Resp: 754110

Ion	Ratio	Lower	Upper
152	100		
150	152.6	126.2	189.4
115	52.5	45.8	68.8

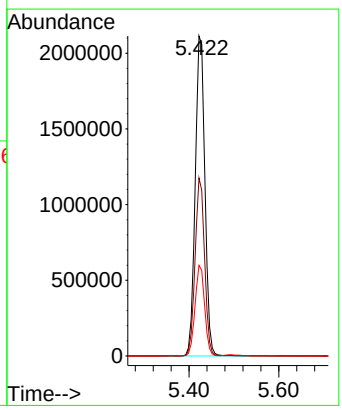


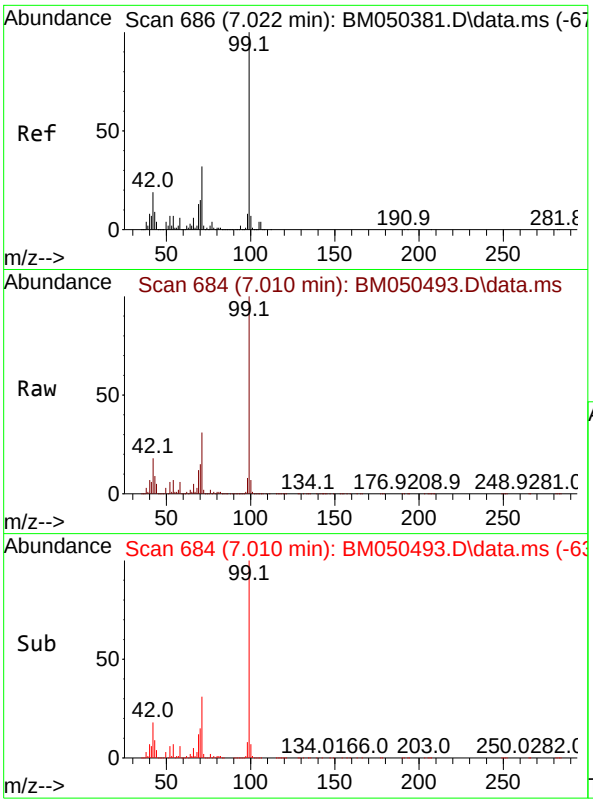


#5
2-Fluorophenol
Concen: 72.015 ng
RT: 5.422 min Scan# 414
Delta R.T. -0.006 min
Lab File: BM050493.D
Acq: 23 Jul 2025 16:57

Tgt Ion:112 Resp: 3154961

Ion	Ratio	Lower	Upper
112	100		
64	55.6	45.5	68.3
63	28.3	24.2	36.4



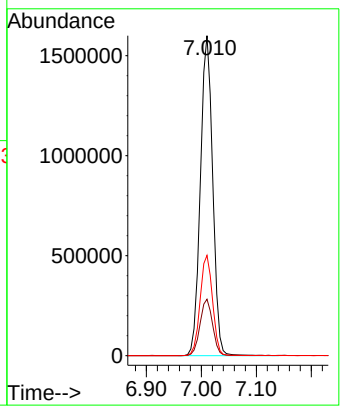


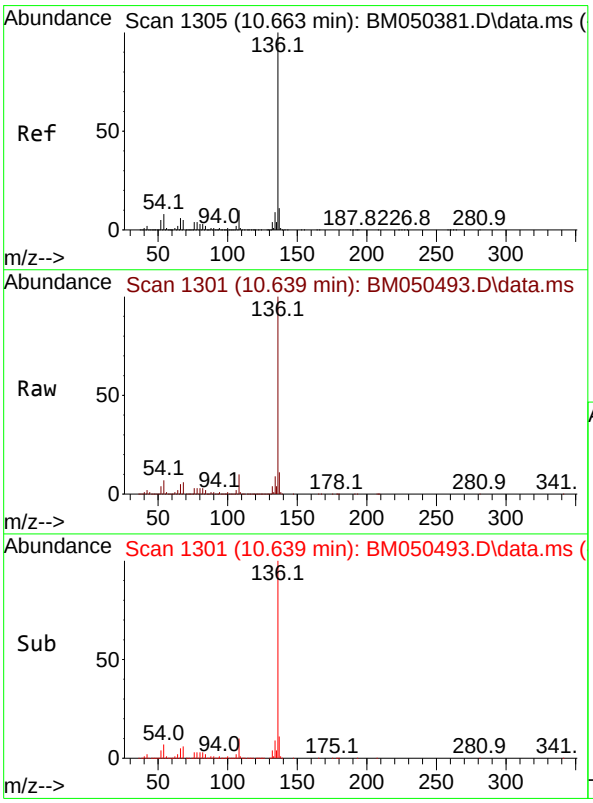
#7
Phenol-d6
Concen: 45.098 ng
RT: 7.010 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050493.D
Acq: 23 Jul 2025 16:57

Instrument :
BNA_M
ClientSampleId :
GDW3

Tgt Ion: 99 Resp: 2490615

Ion	Ratio	Lower	Upper
99	100		
42	17.7	15.0	22.6
71	31.4	25.9	38.9

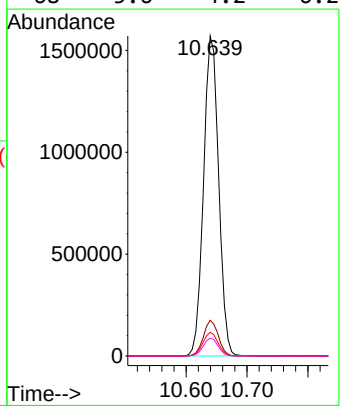


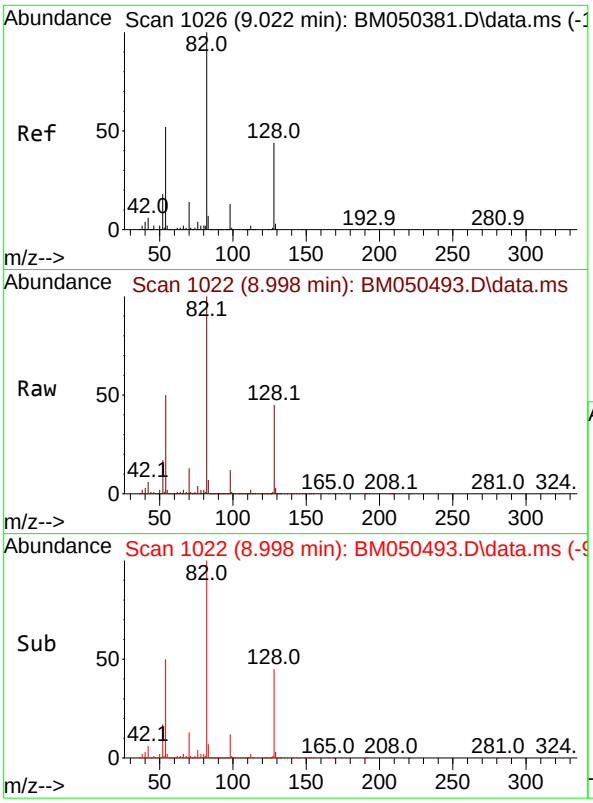


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.639 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BM050493.D
Acq: 23 Jul 2025 16:57

Tgt Ion:136 Resp: 2702597

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.4	6.3	9.5
68	5.6	4.2	6.2



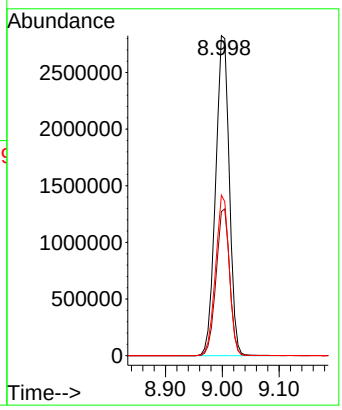


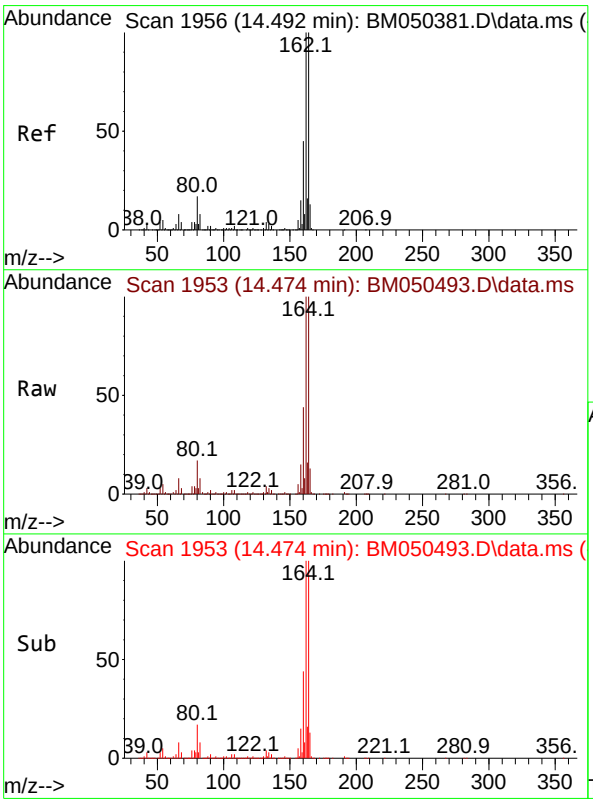
#23
Nitrobenzene-d5
Concen: 89.337 ng
RT: 8.998 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050493.D
Acq: 23 Jul 2025 16:57

Instrument :
BNA_M
ClientSampleId :
GDW3

Tgt Ion: 82 Resp: 4732461

Ion	Ratio	Lower	Upper
82	100		
128	45.0	35.2	52.8
54	50.1	41.5	62.3

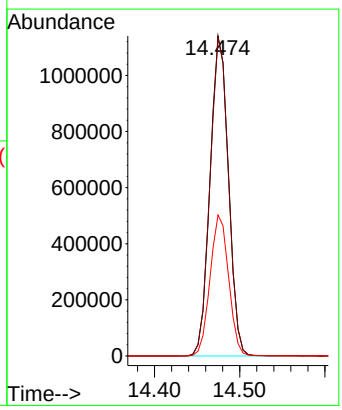


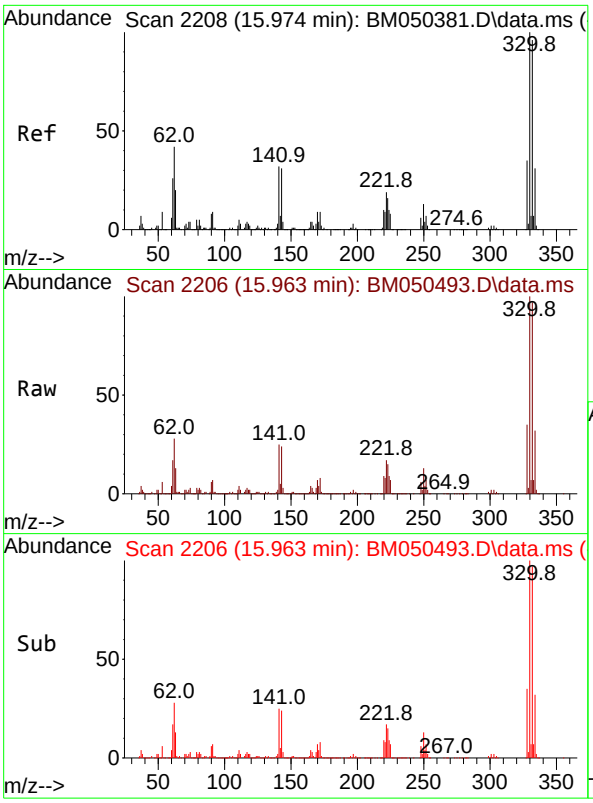


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BM050493.D
Acq: 23 Jul 2025 16:57

Tgt Ion:164 Resp: 1716082

Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.9	119.9
160	44.0	36.2	54.4



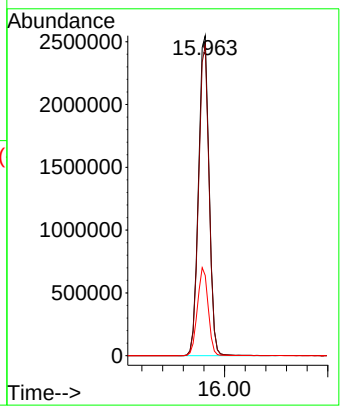


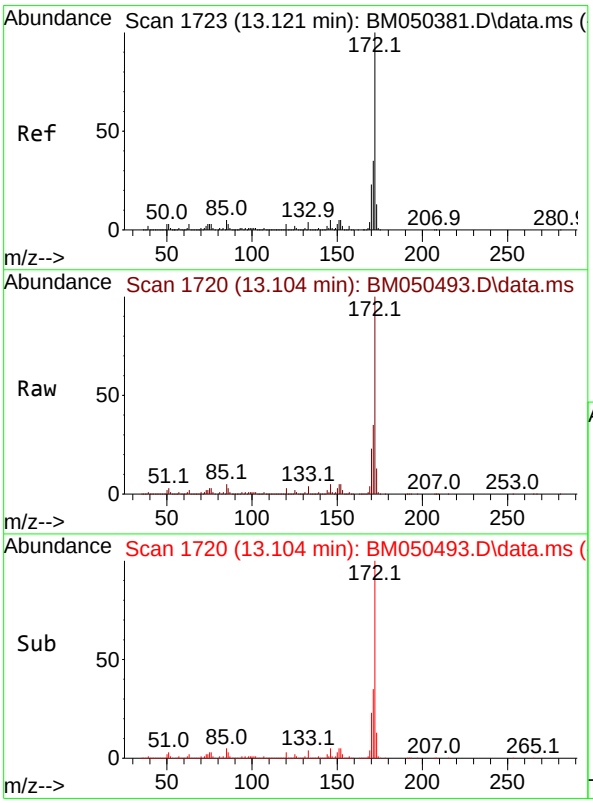
#42
2,4,6-Tribromophenol
Concen: 173.787 ng
RT: 15.963 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050493.D
Acq: 23 Jul 2025 16:57

Instrument :
BNA_M
ClientSampleId :
GDW3

Tgt Ion:330 Resp: 3623547

Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.9	115.3
141	27.9	27.4	41.0

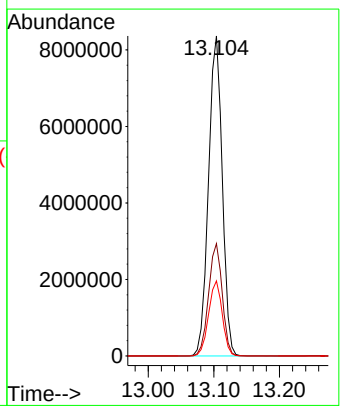


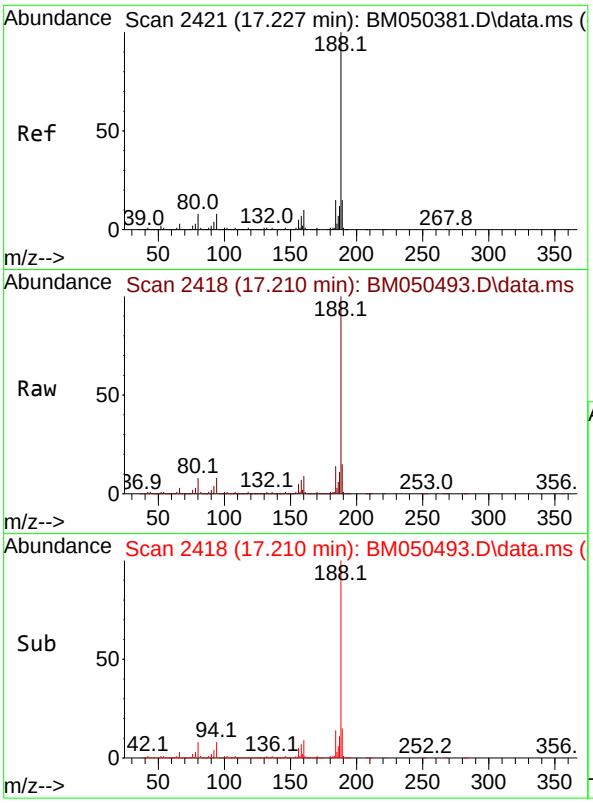


#45
2-Fluorobiphenyl
Concen: 87.758 ng
RT: 13.104 min Scan# 1720
Delta R.T. 0.000 min
Lab File: BM050493.D
Acq: 23 Jul 2025 16:57

Tgt Ion:172 Resp:12195050

Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.7	41.5
170	23.4	18.8	28.2



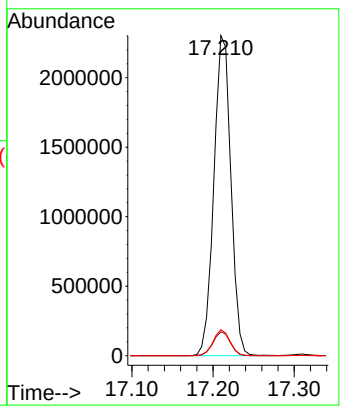


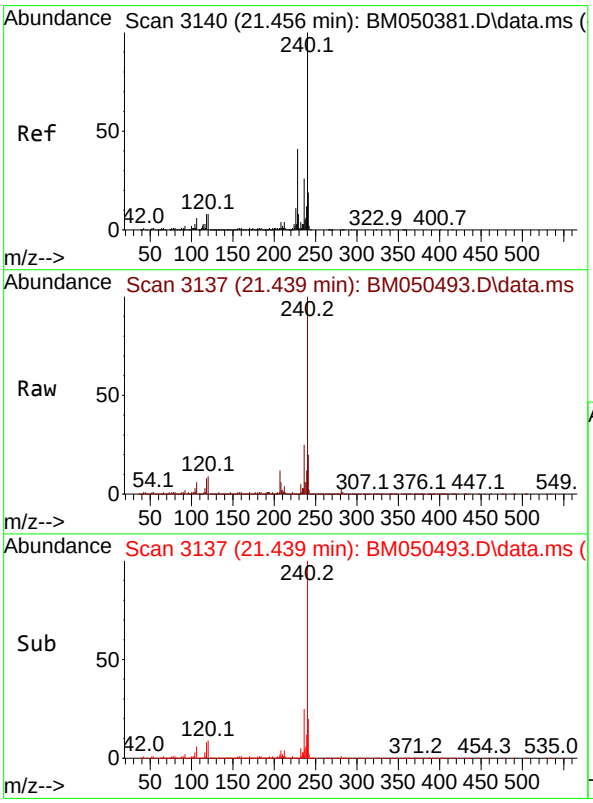
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.210 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050493.D
Acq: 23 Jul 2025 16:57

Instrument :
BNA_M
ClientSampleId :
GDW3

Tgt Ion:188 Resp: 3357460

Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.0	9.0
80	8.1	6.5	9.7

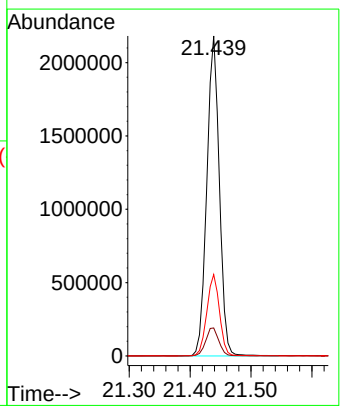


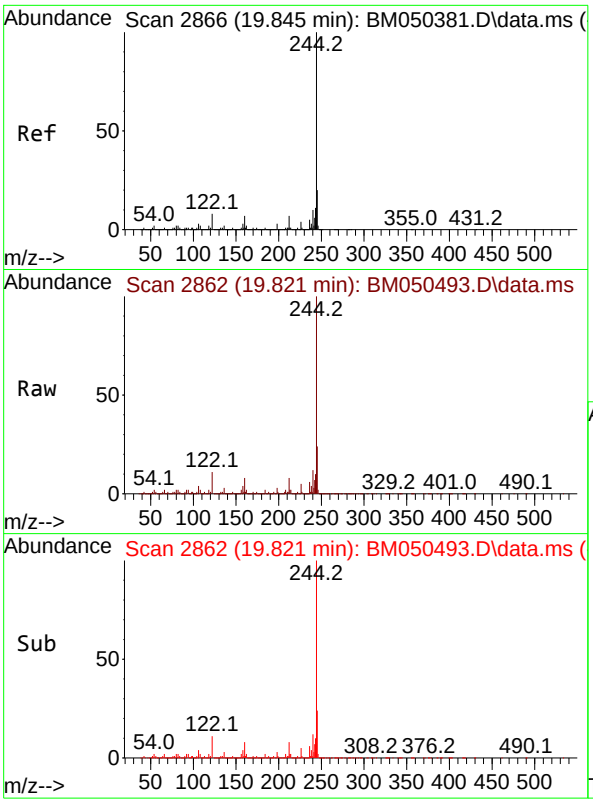


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3137
Delta R.T. 0.006 min
Lab File: BM050493.D
Acq: 23 Jul 2025 16:57

Tgt Ion:240 Resp: 3117073

Ion	Ratio	Lower	Upper
240	100		
120	8.8	6.7	10.1
236	25.5	20.7	31.1



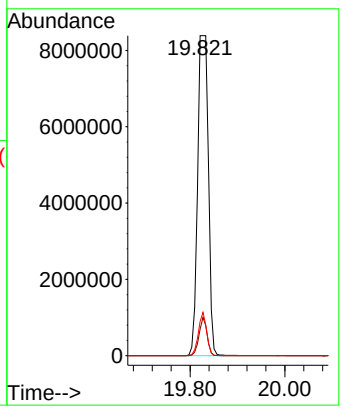


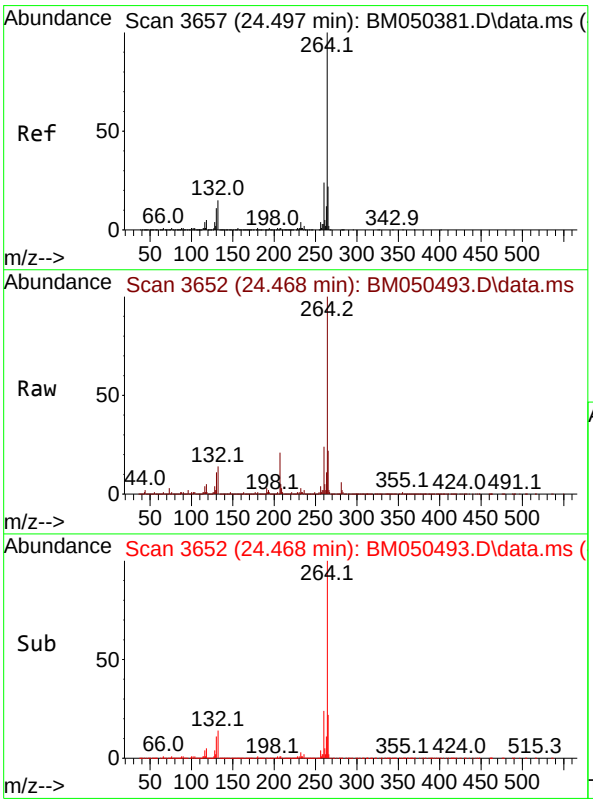
#79
Terphenyl-d14
Concen: 74.435 ng
RT: 19.821 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050493.D
Acq: 23 Jul 2025 16:57

Instrument :
BNA_M
ClientSampleId :
GDW3

Tgt Ion:244 Resp:13186934

Ion	Ratio	Lower	Upper
244	100		
212	8.3	5.7	8.5
122	10.7	6.2	9.2#

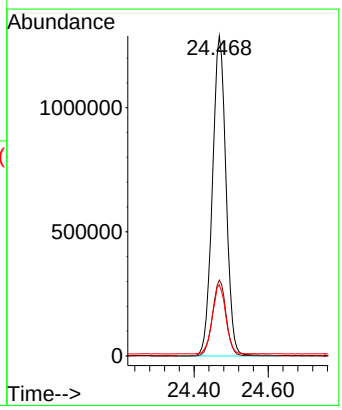




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3652
Delta R.T. 0.012 min
Lab File: BM050493.D
Acq: 23 Jul 2025 16:57

Tgt Ion:264 Resp: 3289265

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.3	17.8	26.6



Sample Results: **BM050493.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072325\
Data File : BM050493.D
Acq On : 23 Jul 2025 16:57
Operator : RC/JU
Sample : Q2664-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GDW3

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM050493.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.028	3	7	27	rVB	14263171	19001088	45.19%	9.594%
2	4.034	172	178	189	rVB	1410336	1935550	4.60%	0.977%
3	4.957	330	335	346	rVB	538712	771136	1.83%	0.389%
4	5.422	408	414	421	rBV	7029624	10377767	24.68%	5.240%
5	5.493	421	426	435	rVB	347856	743854	1.77%	0.376%
6	7.010	676	684	692	rBV	4351858	6908292	16.43%	3.488%
7	7.845	818	826	834	rBV	2691431	4173218	9.93%	2.107%
8	8.998	1007	1022	1035	rBV	8184356	13857123	32.96%	6.997%
9	10.639	1293	1301	1308	rBV	3093247	5364542	12.76%	2.709%
10	13.104	1712	1720	1732	rBV	22265389	32784523	77.97%	16.553%
11	14.474	1945	1953	1966	rBV	4651648	7070449	16.82%	3.570%
12	14.898	2017	2025	2036	rBV	687755	1119943	2.66%	0.565%
13	15.957	2198	2205	2226	rBV	16880554	24848926	59.10%	12.547%
14	17.210	2412	2418	2430	rVB2	5297270	7863657	18.70%	3.970%
15	18.104	2565	2570	2579	rBV	836862	1515452	3.60%	0.765%
16	19.380	2783	2787	2800	rBV	640614	1221472	2.91%	0.617%
17	19.827	2857	2863	2869	rBV2	34626228	42047035	100.00%	21.230%
18	21.439	3131	3137	3143	rBV	5602315	8062179	19.17%	4.071%
19	24.468	3644	3652	3670	rVB	3229910	8386435	19.95%	4.234%

Sum of corrected areas: 198052641

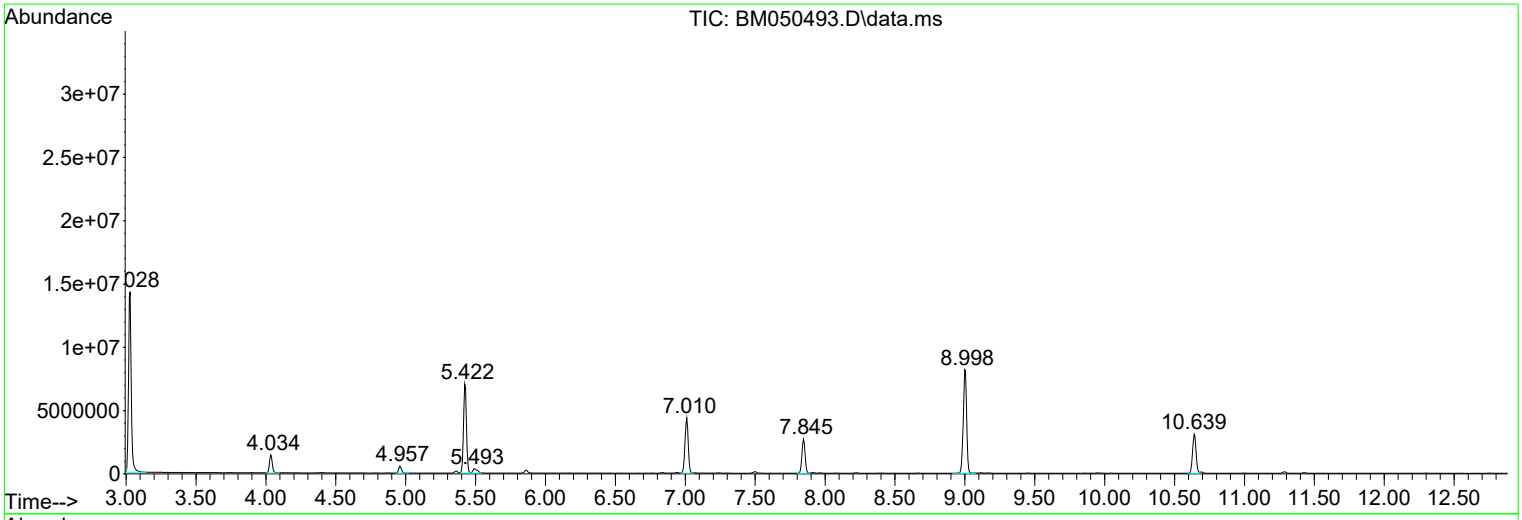
Sample Results: **BM050493.D**

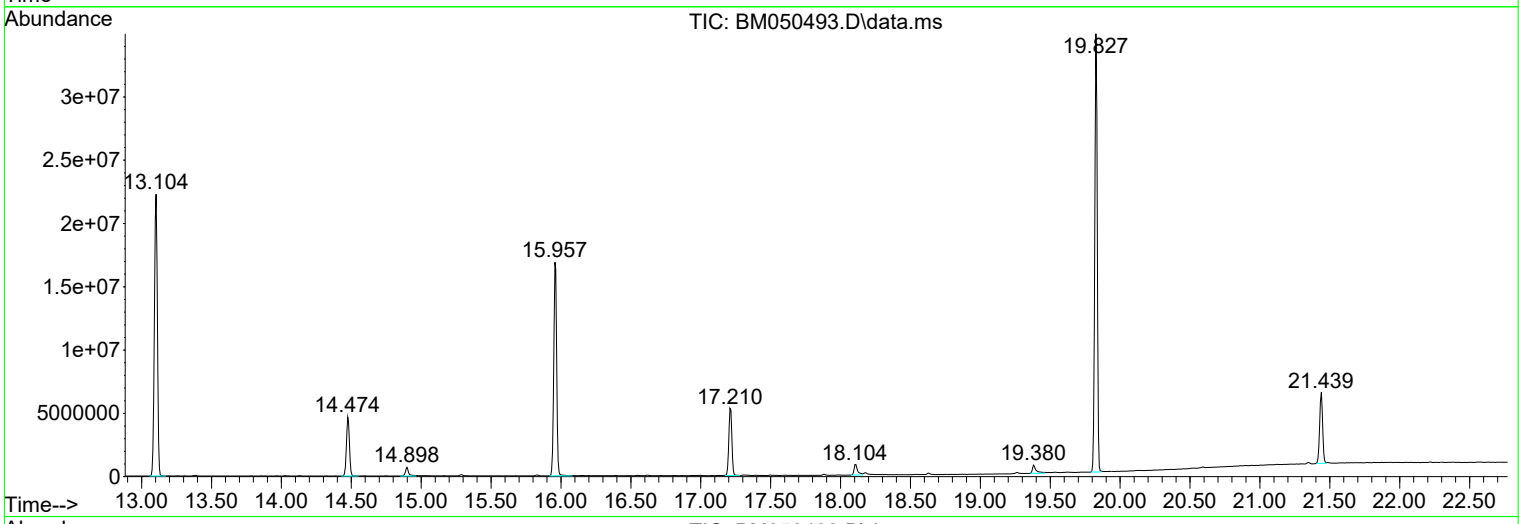
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072325\
Data File : BM050493.D
Acq On : 23 Jul 2025 16:57
Operator : RC/JU
Sample : Q2664-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

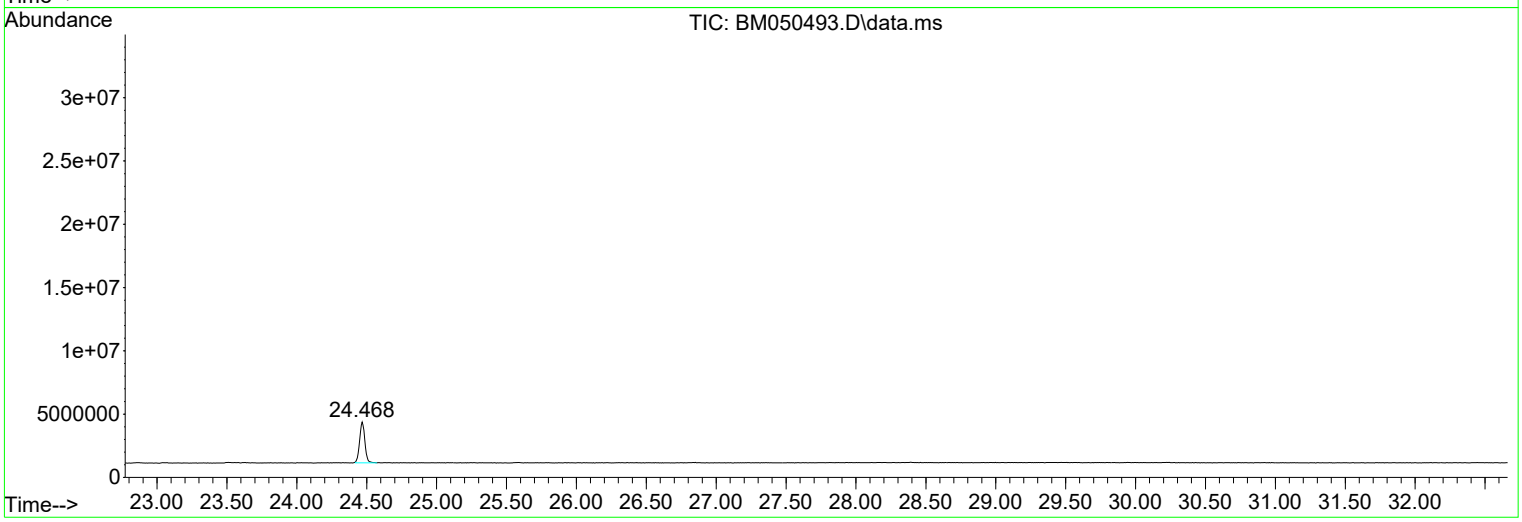
Instrument :
BNA_M
ClientSampleId :
GDW3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072325\
Data File : BM050493.D
Acq On : 23 Jul 2025 16:57
Operator : RC/JU
Sample : Q2664-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GDW3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

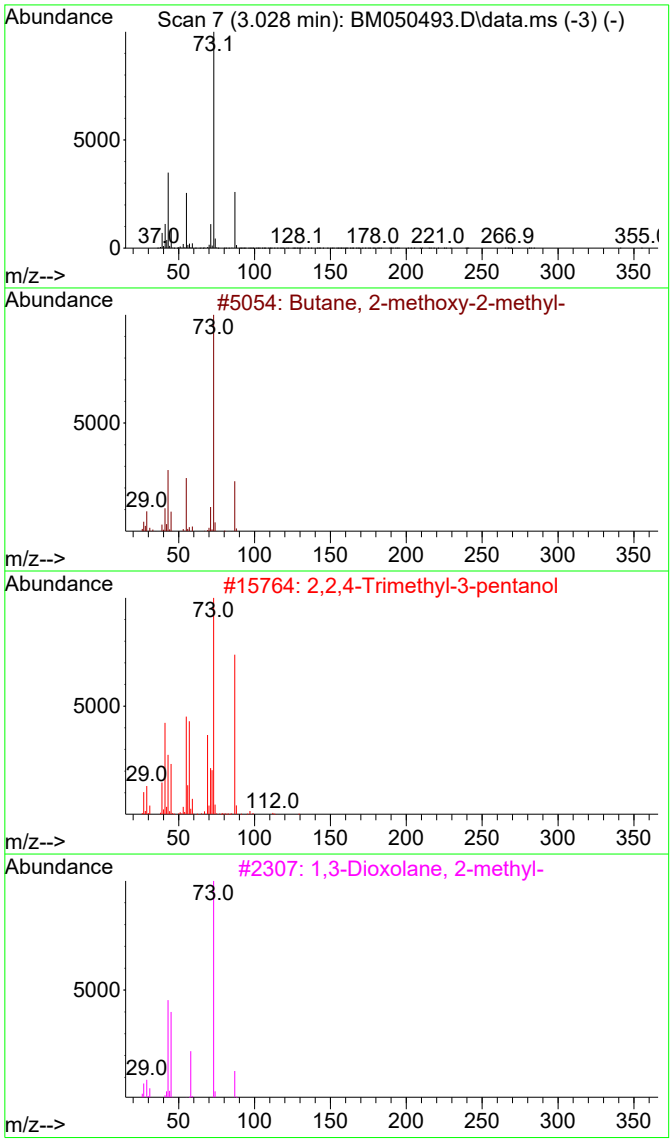
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

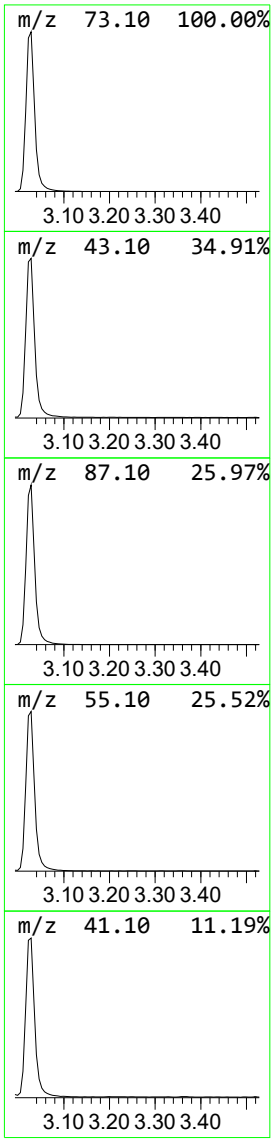
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.028	91.06 ng	19001100	1,4-Dichlorobenzene-d4	7.845

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072325\
Data File : BM050493.D
Acq On : 23 Jul 2025 16:57
Operator : RC/JU
Sample : Q2664-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GDW3

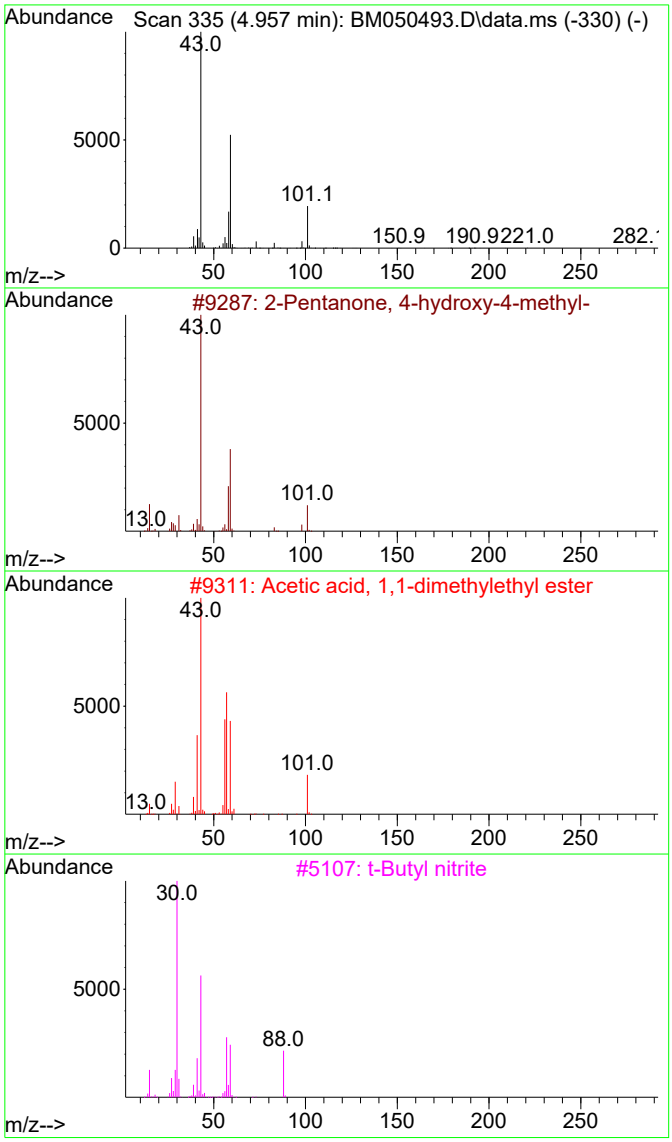
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

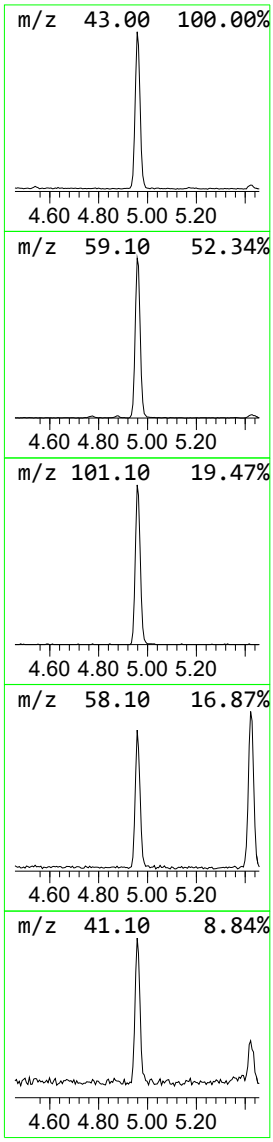
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.957	3.70 ng	771136	1,4-Dichlorobenzene-d4	7.845

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	t-Butyl nitrite	103	C4H9NO2	000540-80-7	38
4	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	25
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072325\
Data File : BM050493.D
Acq On : 23 Jul 2025 16:57
Operator : RC/JU
Sample : Q2664-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GDW3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

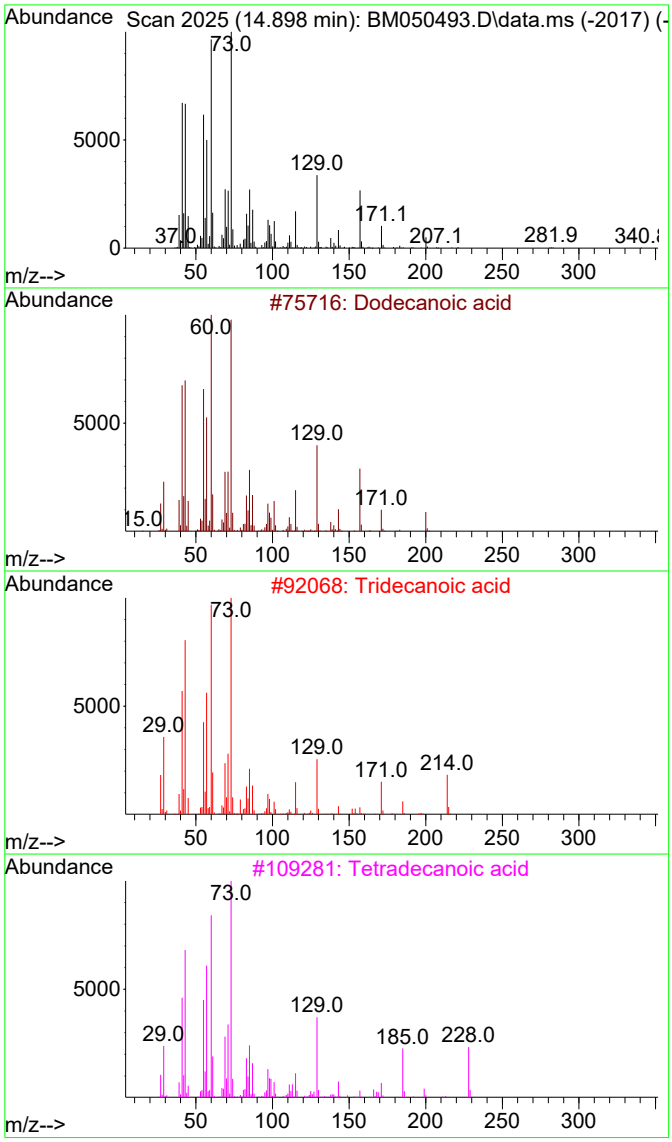
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

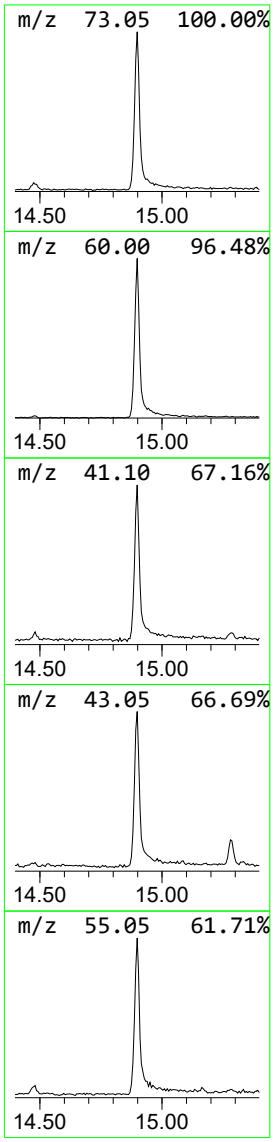
****

Peak Number 5 Dodecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.898	3.17 ng	1119940	Acenaphthene-d10	14.475

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecanoic acid	200	C12H24O2	000143-07-7	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	86
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
4	Undecanoic acid	186	C11H22O2	000112-37-8	72
5	Nonanoic acid	158	C9H18O2	000112-05-0	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072325\
Data File : BM050493.D
Acq On : 23 Jul 2025 16:57
Operator : RC/JU
Sample : Q2664-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GDW3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

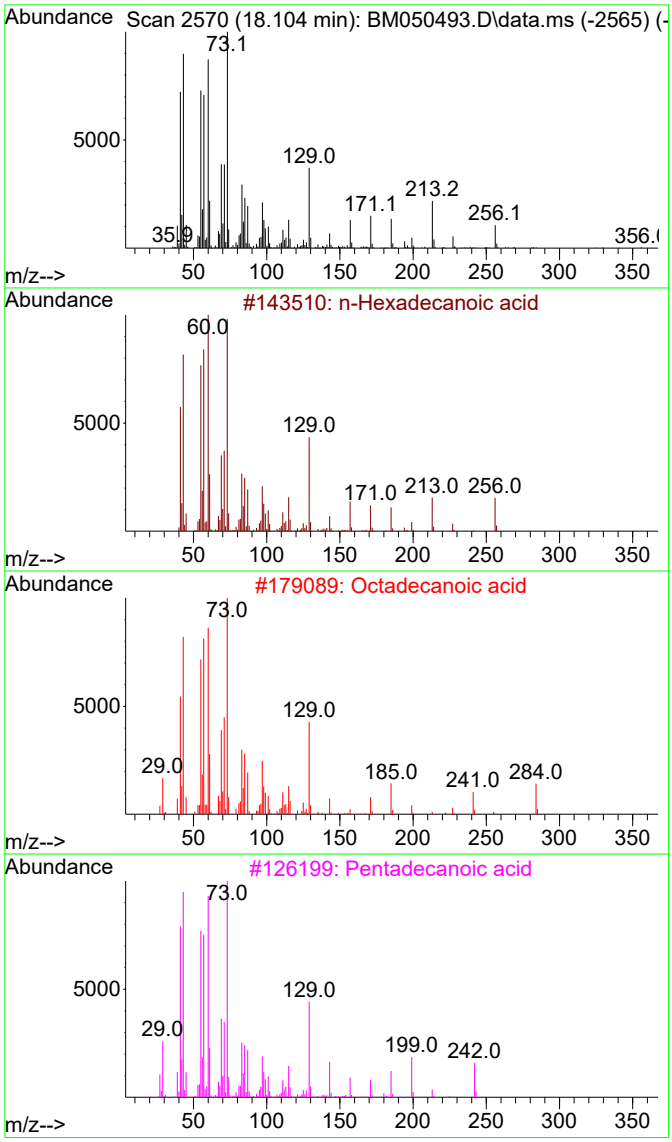
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

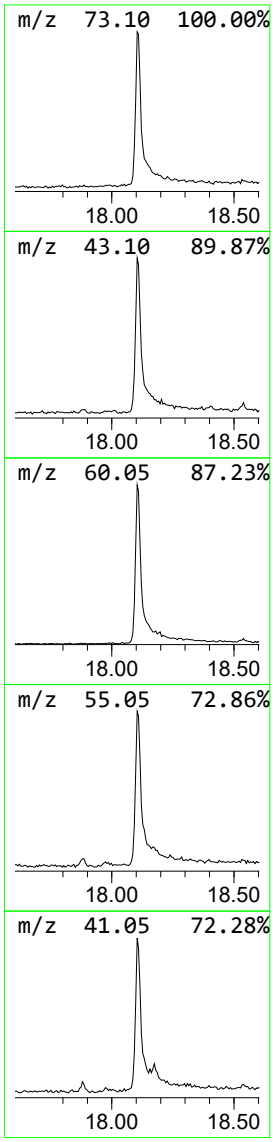
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.104	3.85 ng	1515450	Phenanthrene-d10	17.210

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	Tridecanoic acid	214	C13H26O2	000638-53-9	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072325\
Data File : BM050493.D
Acq On : 23 Jul 2025 16:57
Operator : RC/JU
Sample : Q2664-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GDW3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

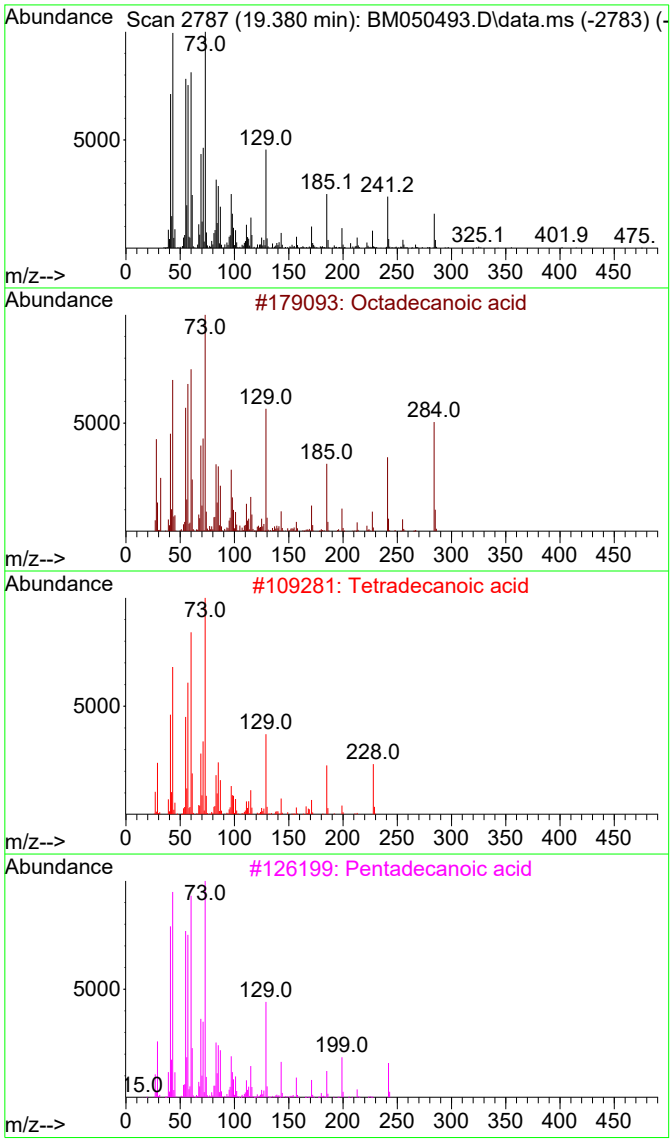
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

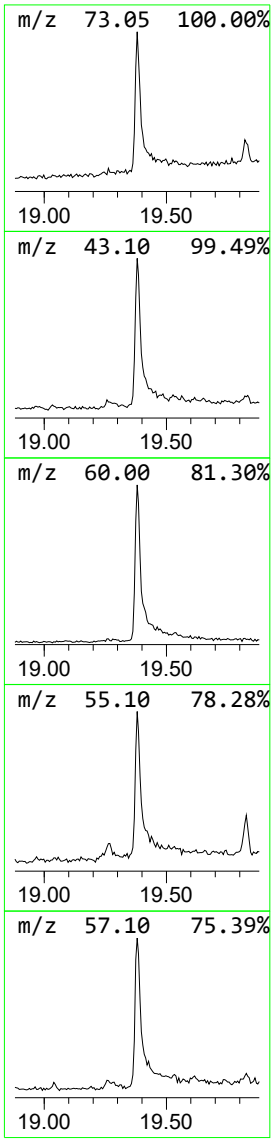
****

Peak Number 7 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.380	3.03 ng	1221470	Chrysene-d12	21.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	76
4	Tridecanoic acid	214	C13H26O2	000638-53-9	76
5	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072325\
Data File : BM050493.D
Acq On : 23 Jul 2025 16:57
Operator : RC/JU
Sample : Q2664-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GDW3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.028	91.1	ng	19001100	1	7.845	4173220	20.0
2-Pentanone, 4-...	4.957	3.7	ng	771136	1	7.845	4173220	20.0
Dodecanoic acid	14.898	3.2	ng	1119940	3	14.475	7070450	20.0
n-Hexadecanoic ...	18.104	3.9	ng	1515450	4	17.210	7863660	20.0
Octadecanoic acid	19.380	3.0	ng	1221470	5	21.439	8062180	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073025\
Data File : BF143270.D
Acq On : 30 Jul 2025 15:52
Operator : RC/JU
Sample : PB168971BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168971BL

Quant Time: Jul 30 16:21:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

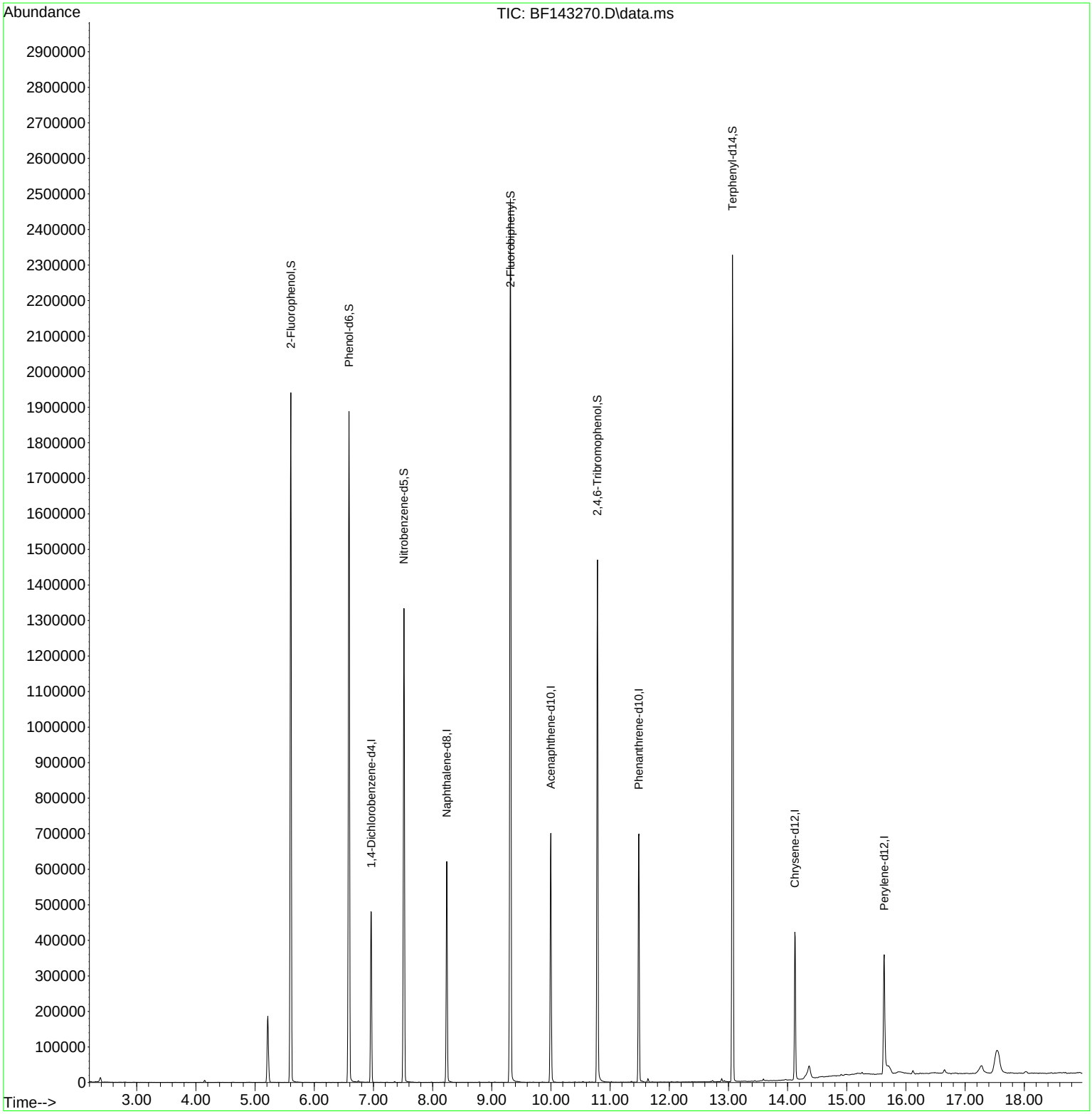
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	102425	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	398799	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	212310	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	372104	20.000	ng	0.00
76) Chrysene-d12	14.121	240	214586	20.000	ng	0.00
86) Perylene-d12	15.633	264	214112	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	715294	110.513	ng	0.02
7) Phenol-d6	6.587	99	906510	111.271	ng	0.00
23) Nitrobenzene-d5	7.516	82	620925	77.611	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	267536	121.980	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1172818	75.549	ng	0.00
79) Terphenyl-d14	13.068	244	1158826	80.362	ng	0.00
Target Compounds						Qvalue

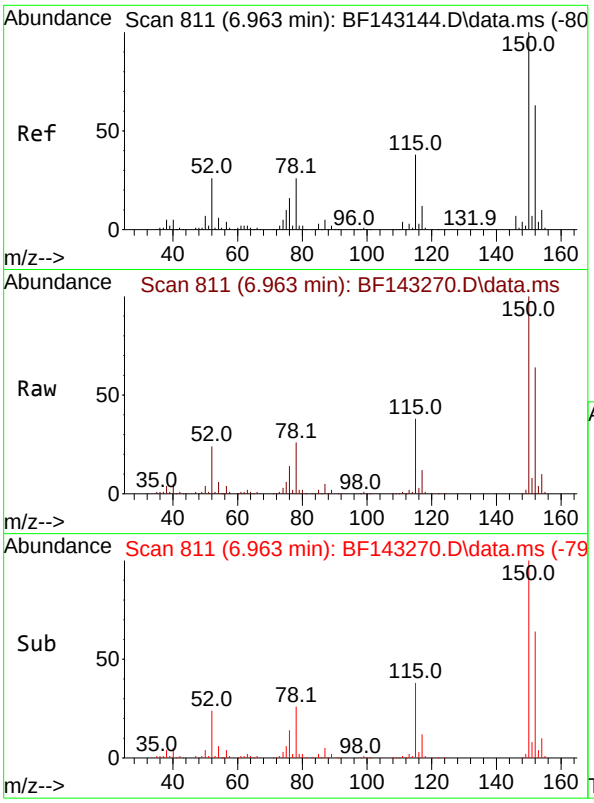
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073025\
Data File : BF143270.D
Acq On : 30 Jul 2025 15:52
Operator : RC/JU
Sample : PB168971BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168971BL

Quant Time: Jul 30 16:21:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration



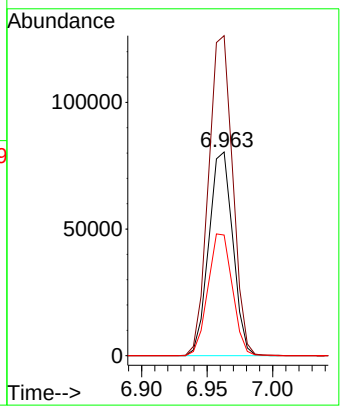


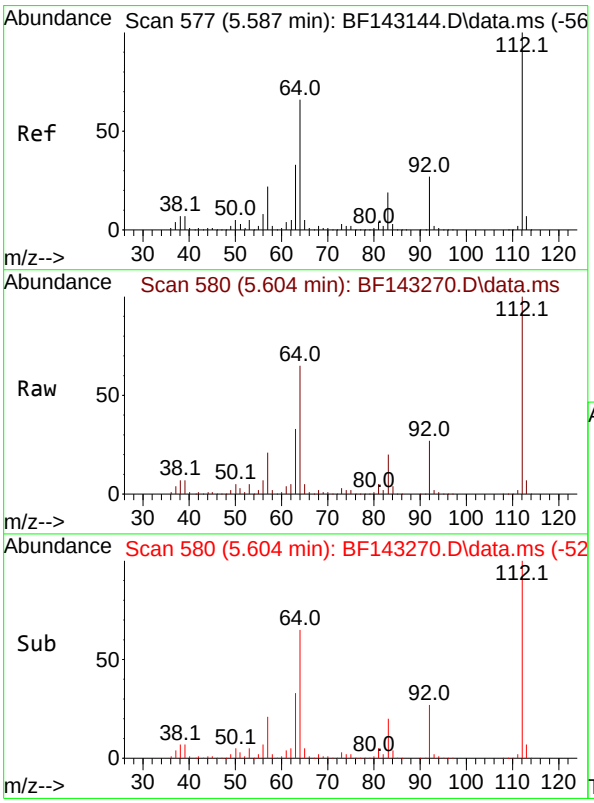
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143270.D
Acq: 30 Jul 2025 15:52

Instrument :
BNA_F
ClientSampleId :
PB168971BL

Tgt Ion:152 Resp: 102425

Ion	Ratio	Lower	Upper
152	100		
150	157.1	128.2	192.4
115	59.2	47.9	71.9

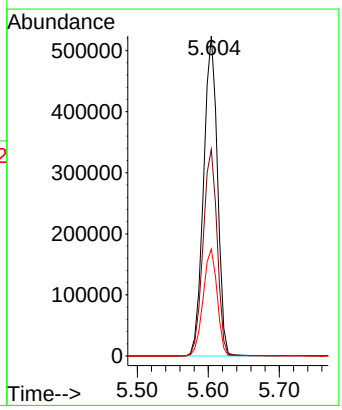


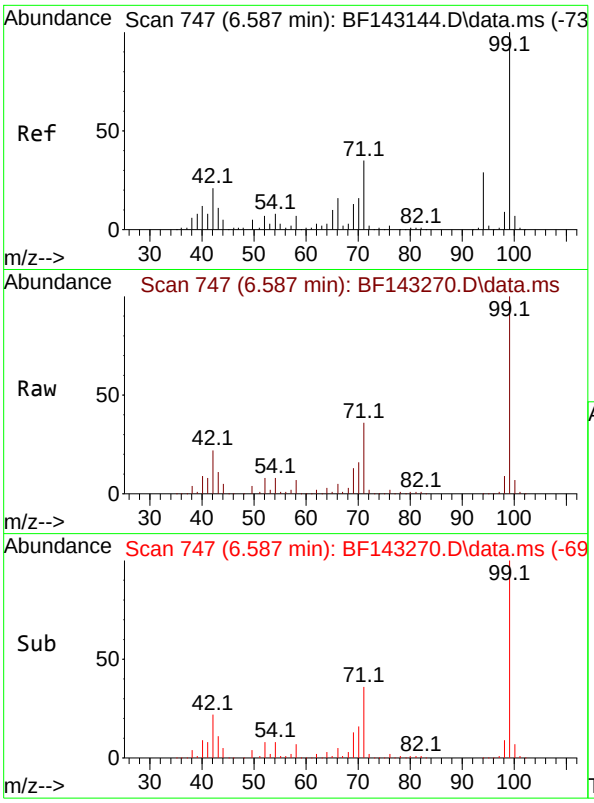


#5
2-Fluorophenol
Concen: 110.513 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143270.D
Acq: 30 Jul 2025 15:52

Tgt Ion:112 Resp: 715294

Ion	Ratio	Lower	Upper
112	100		
64	64.5	53.1	79.7
63	33.4	26.6	40.0



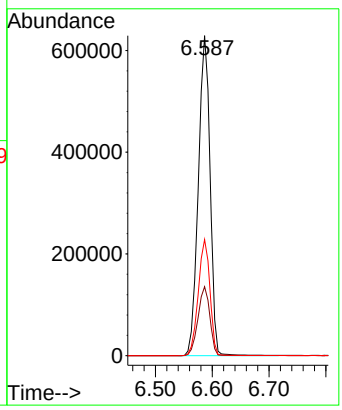


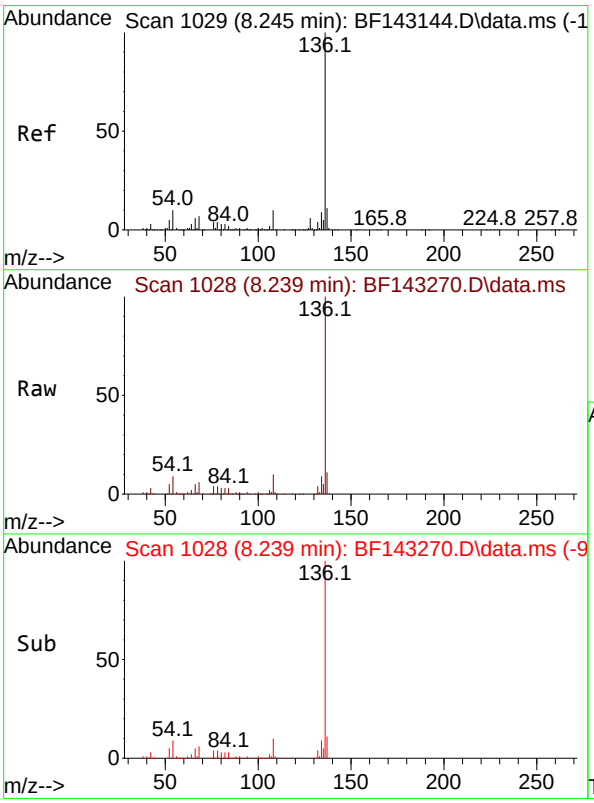
#7
Phenol-d6
Concen: 111.271 ng
RT: 6.587 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143270.D
Acq: 30 Jul 2025 15:52

Instrument :
BNA_F
ClientSampleId :
PB168971BL

Tgt Ion: 99 Resp: 906510

Ion	Ratio	Lower	Upper
99	100		
42	21.5	17.0	25.6
71	36.3	27.7	41.5

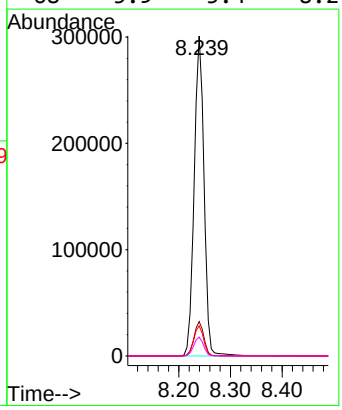


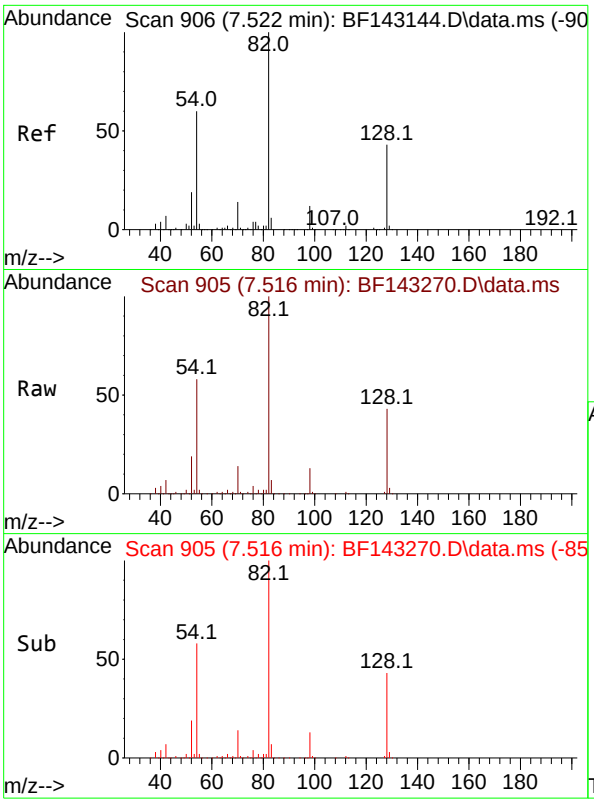


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143270.D
Acq: 30 Jul 2025 15:52

Tgt Ion:136 Resp: 398799

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.4	8.2	12.2
68	5.9	5.4	8.2



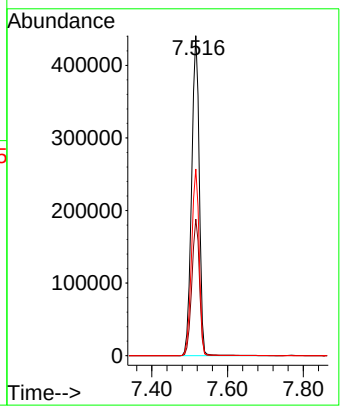


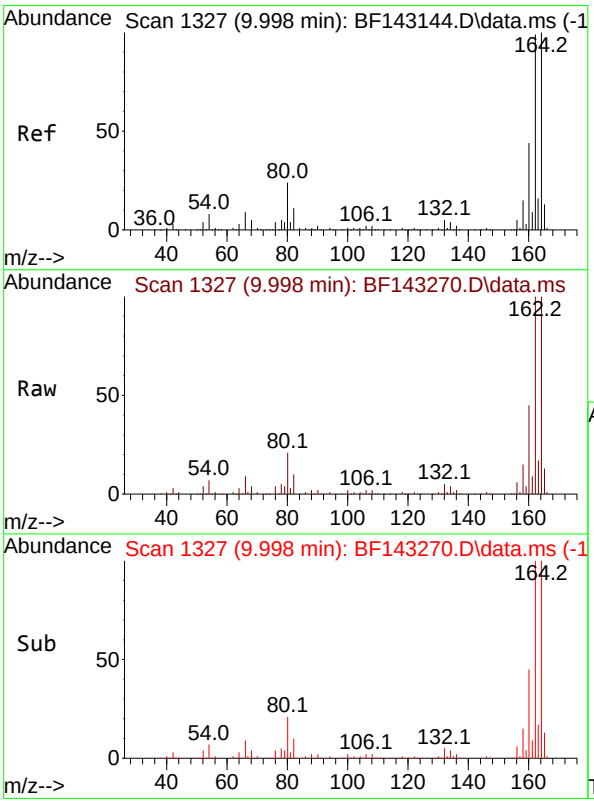
#23
Nitrobenzene-d5
Concen: 77.611 ng
RT: 7.516 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143270.D
Acq: 30 Jul 2025 15:52

Instrument :
BNA_F
ClientSampleId :
PB168971BL

Tgt Ion: 82 Resp: 620925

Ion	Ratio	Lower	Upper
82	100		
128	42.7	33.6	50.4
54	58.4	47.1	70.7

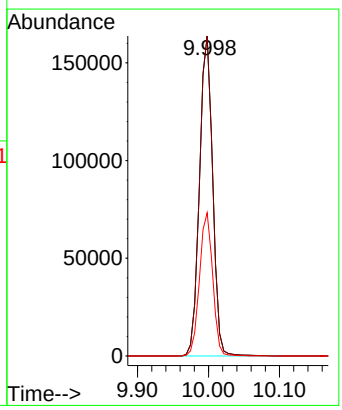


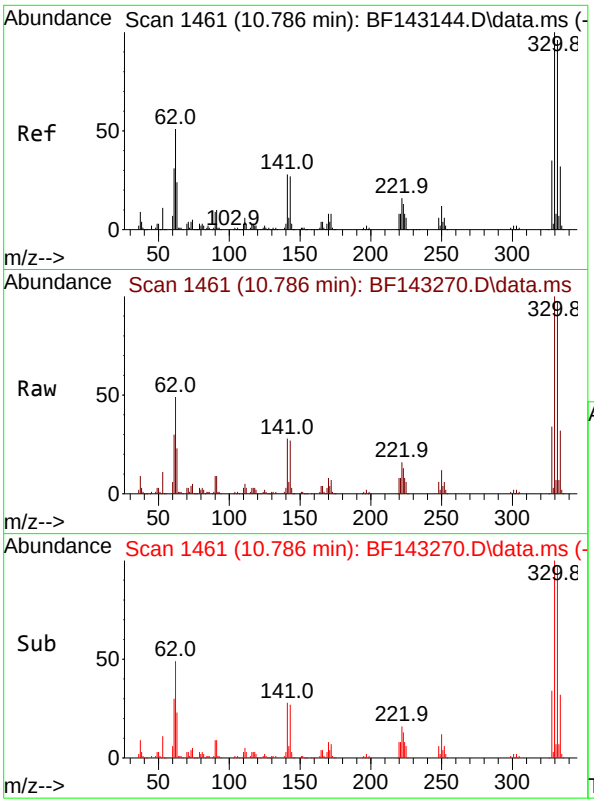


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143270.D
Acq: 30 Jul 2025 15:52

Tgt Ion:164 Resp: 212310

Ion	Ratio	Lower	Upper
164	100		
162	100.0	79.0	118.6
160	44.8	35.1	52.7



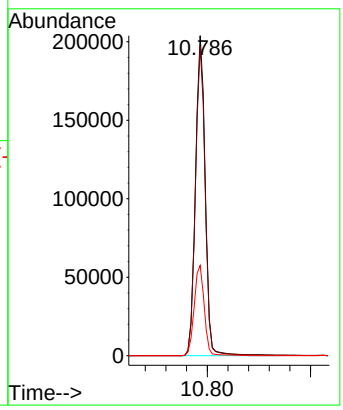


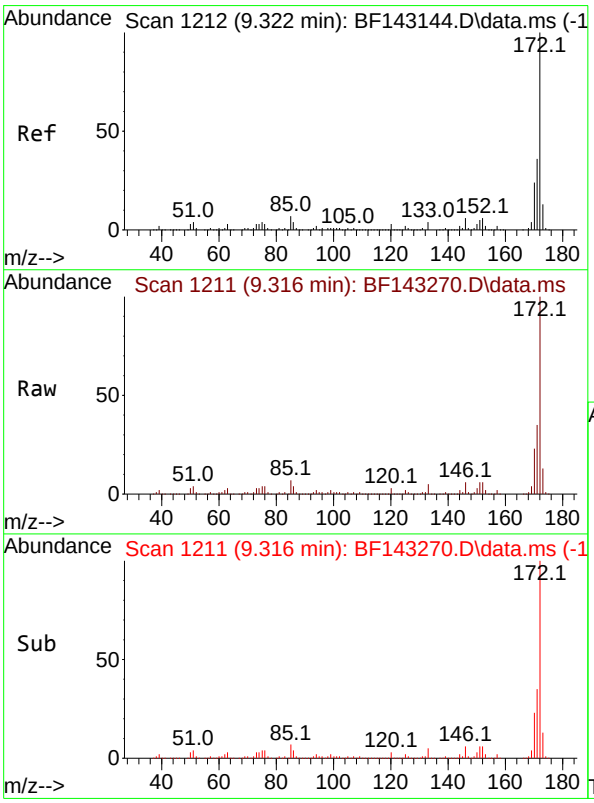
#42
2,4,6-Tribromophenol
Concen: 121.980 ng
RT: 10.786 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143270.D
Acq: 30 Jul 2025 15:52

Instrument :
BNA_F
ClientSampleId :
PB168971BL

Tgt Ion:330 Resp: 267536

Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.7	115.1
141	29.1	23.3	34.9

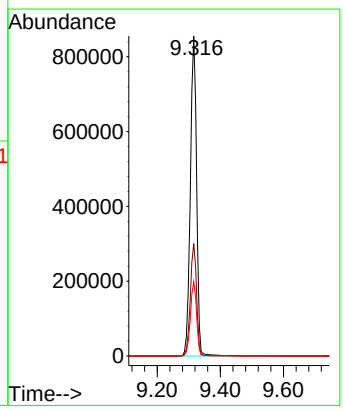


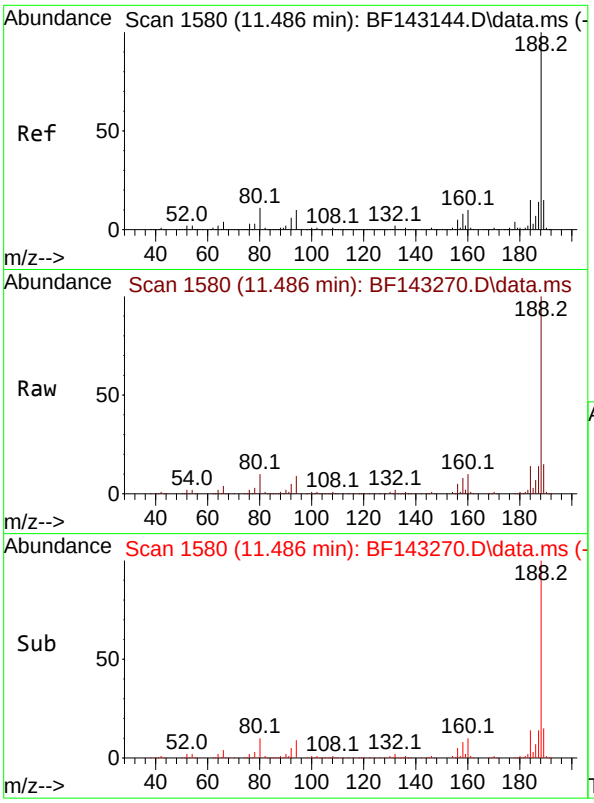


#45
2-Fluorobiphenyl
Concen: 75.549 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143270.D
Acq: 30 Jul 2025 15:52

Tgt Ion:172 Resp: 1172818

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	42.8
170	23.2	18.8	28.2



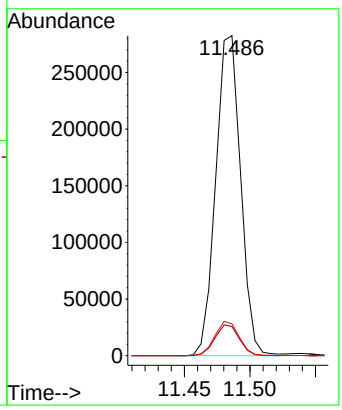


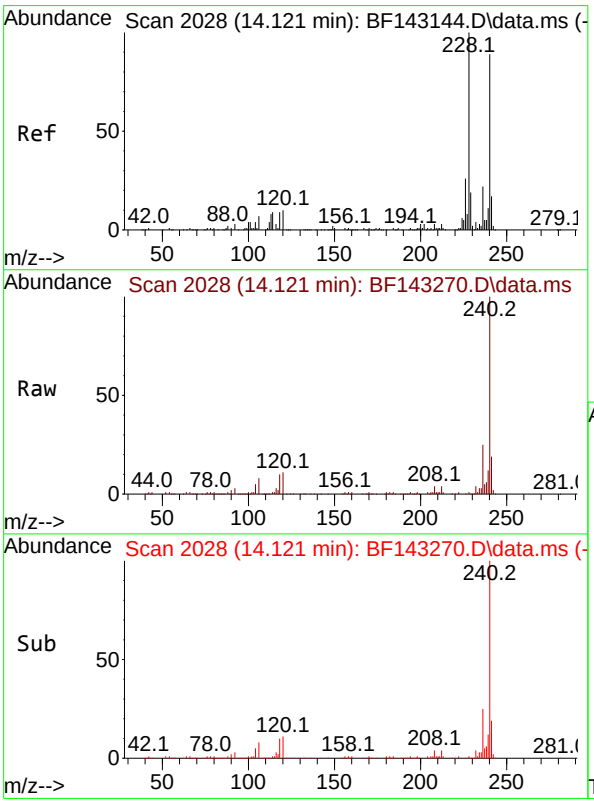
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143270.D
Acq: 30 Jul 2025 15:52

Instrument :
BNA_F
ClientSampleId :
PB168971BL

Tgt Ion:188 Resp: 372104

Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.3	12.5
80	10.0	9.0	13.6

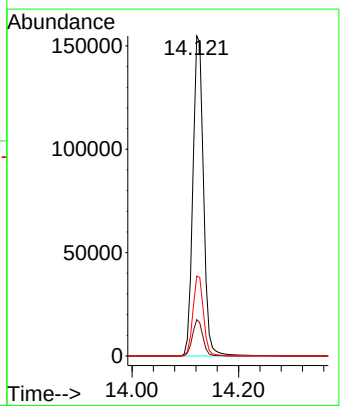


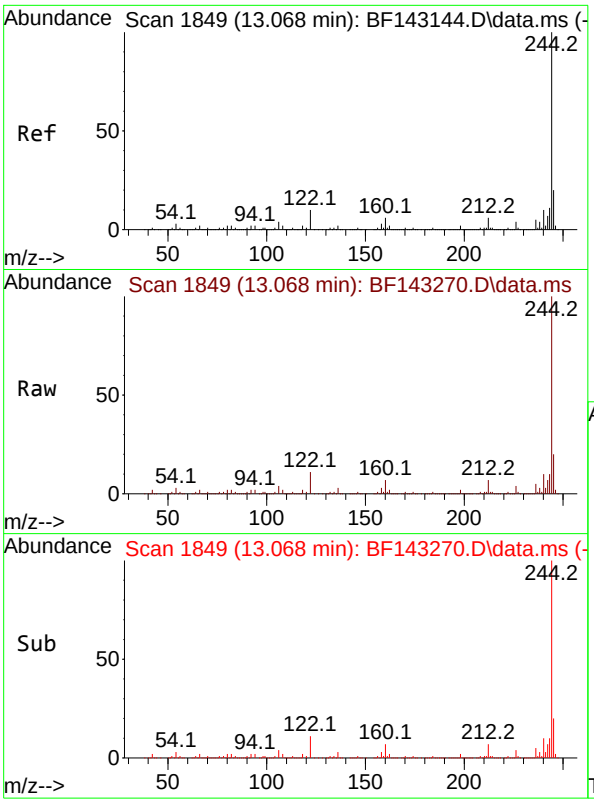


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF143270.D
Acq: 30 Jul 2025 15:52

Tgt Ion:240 Resp: 214586

Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.4	14.2
236	25.0	20.2	30.4



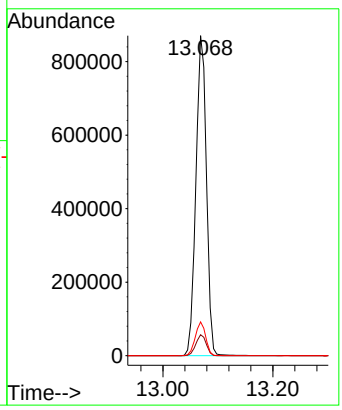


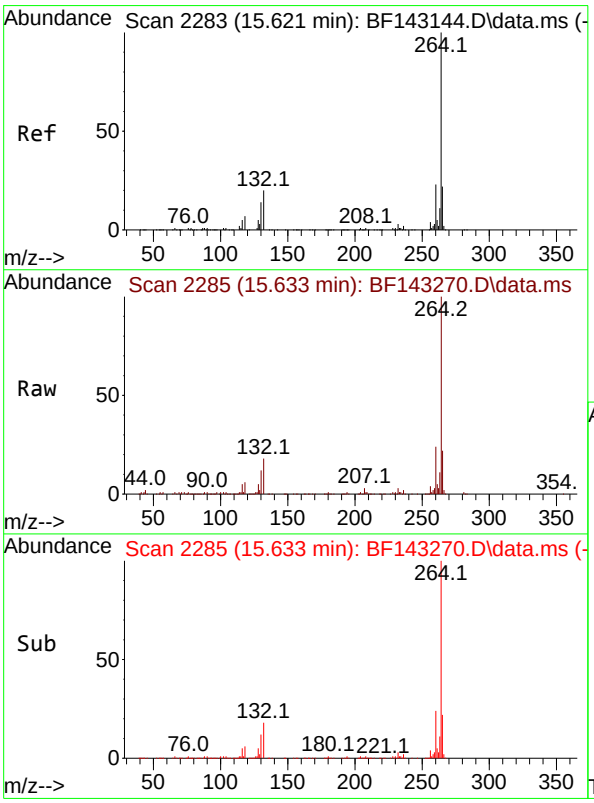
#79
Terphenyl-d14
Concen: 80.362 ng
RT: 13.068 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143270.D
Acq: 30 Jul 2025 15:52

Instrument :
BNA_F
ClientSampleId :
PB168971BL

Tgt Ion:244 Resp: 1158826

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	10.5	8.2	12.2

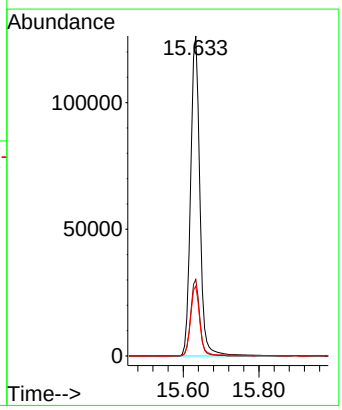




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. 0.012 min
Lab File: BF143270.D
Acq: 30 Jul 2025 15:52

Tgt Ion:264 Resp: 214112

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.5	27.7
265	21.8	17.4	26.2



Sample Results: **BF143270.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073025\
Data File : BF143270.D
Acq On : 30 Jul 2025 15:52
Operator : RC/JU
Sample : PB168971BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168971BL

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143270.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.216	507	514	528	rBV	186577	299092	8.89%	1.434%
2	5.604	573	580	585	rBV	1941042	2654960	78.95%	12.725%
3	6.587	740	747	752	rBV	1887764	2713552	80.70%	13.006%
4	6.957	805	810	816	rBV	479933	621030	18.47%	2.977%
5	7.516	898	905	910	rBV	1333718	1866610	55.51%	8.947%
6	8.239	1022	1028	1046	rBV	621714	818888	24.35%	3.925%
7	9.316	1204	1211	1216	rBV	2485767	3362688	100.00%	16.118%
8	9.998	1321	1327	1344	rVB	700594	908523	27.02%	4.355%
9	10.786	1455	1461	1487	rBV	1469962	1955207	58.14%	9.371%
10	11.486	1574	1580	1587	rBV	698435	922043	27.42%	4.419%
11	13.068	1843	1849	1854	rBV	2325772	3065592	91.16%	14.694%
12	14.121	2023	2028	2043	rBV	415289	567977	16.89%	2.722%
13	14.362	2053	2069	2081	rBV3	34884	144122	4.29%	0.691%
14	15.633	2278	2285	2293	rBV	336593	598328	17.79%	2.868%
15	17.539	2596	2609	2635	rVB3	63067	364816	10.85%	1.749%

Sum of corrected areas: 20863428

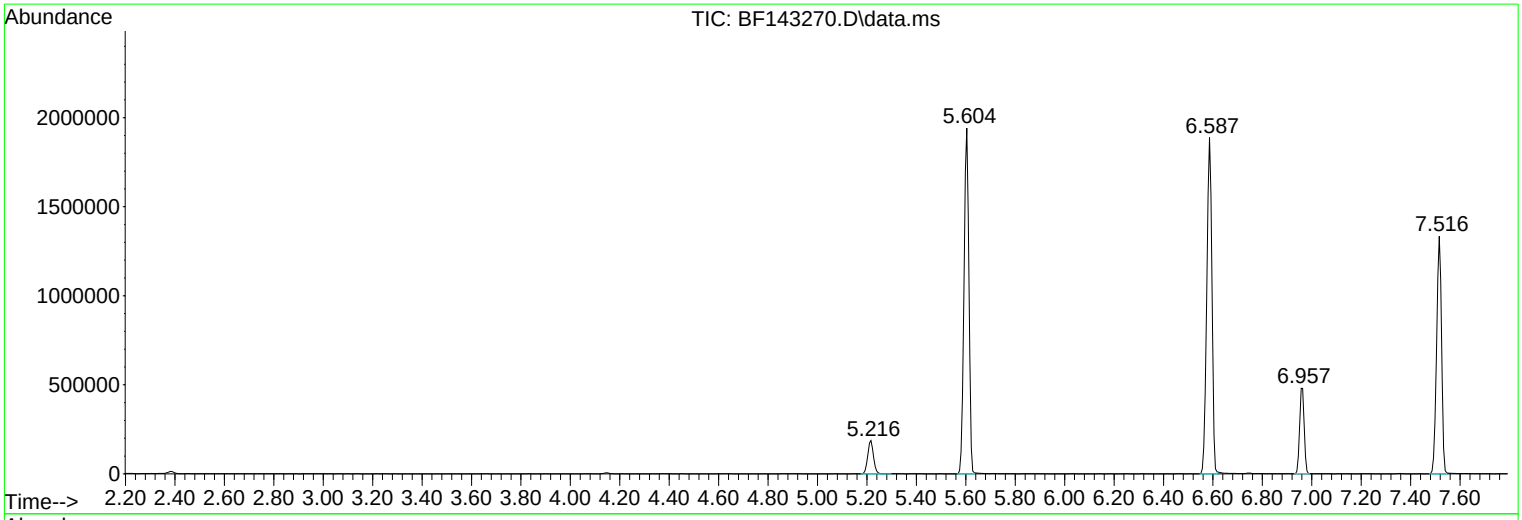
Sample Results: **BF143270.D**

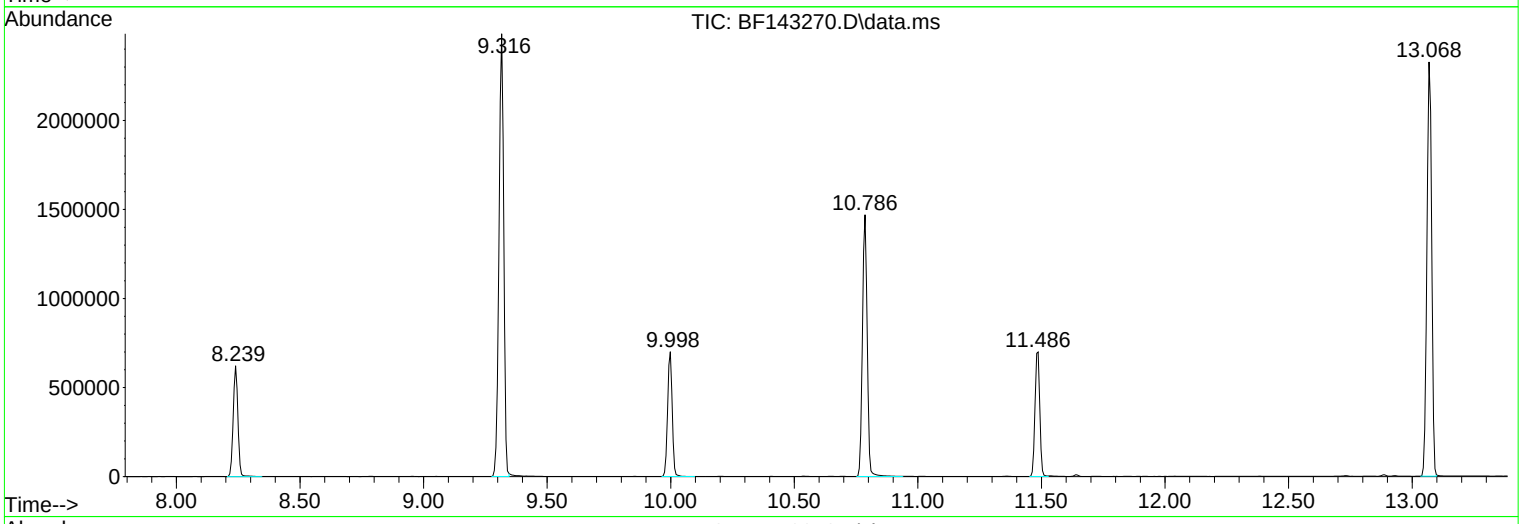
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073025\
Data File : BF143270.D
Acq On : 30 Jul 2025 15:52
Operator : RC/JU
Sample : PB168971BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

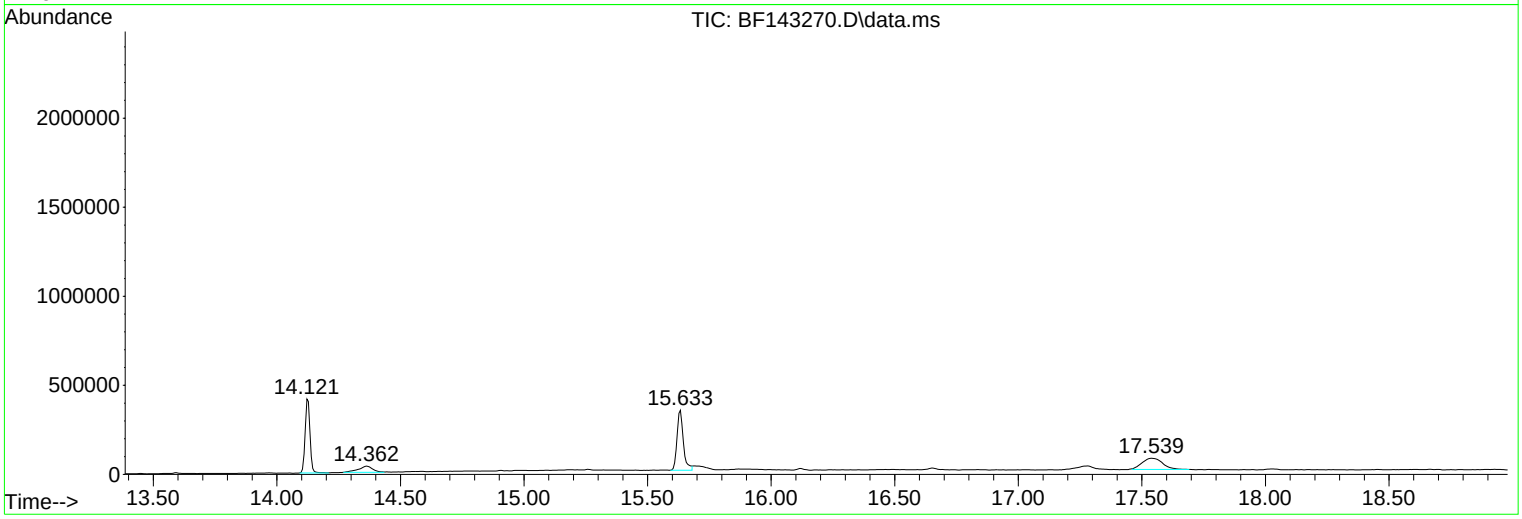
Instrument :
BNA_F
ClientSampleId :
PB168971BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073025\
Data File : BF143270.D
Acq On : 30 Jul 2025 15:52
Operator : RC/JU
Sample : PB168971BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168971BL

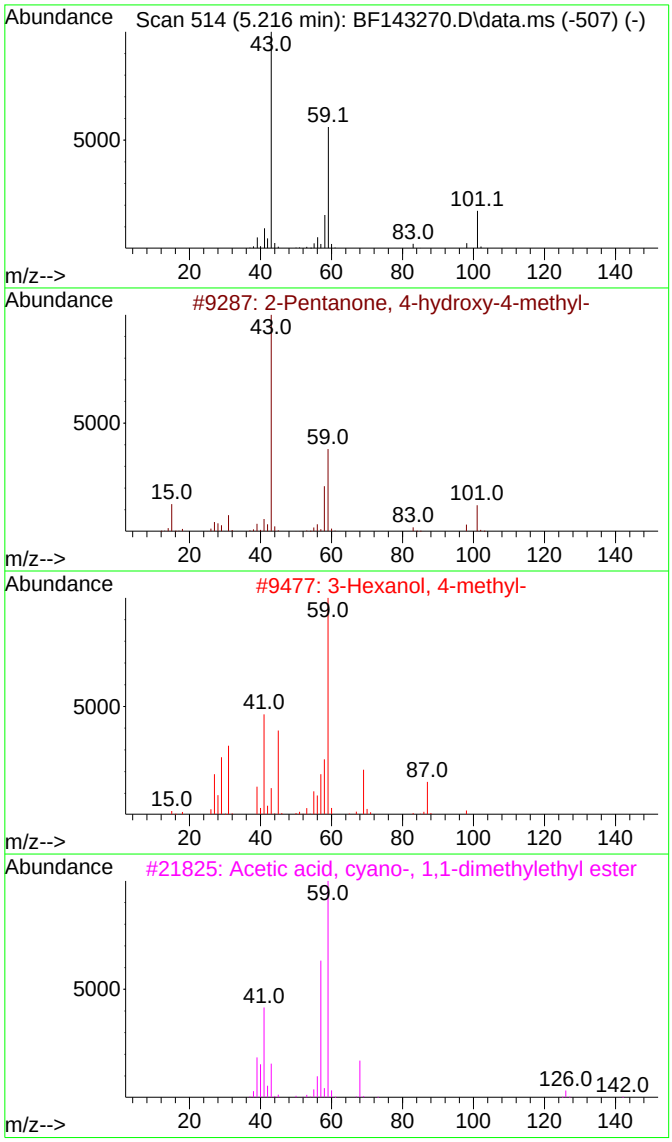
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

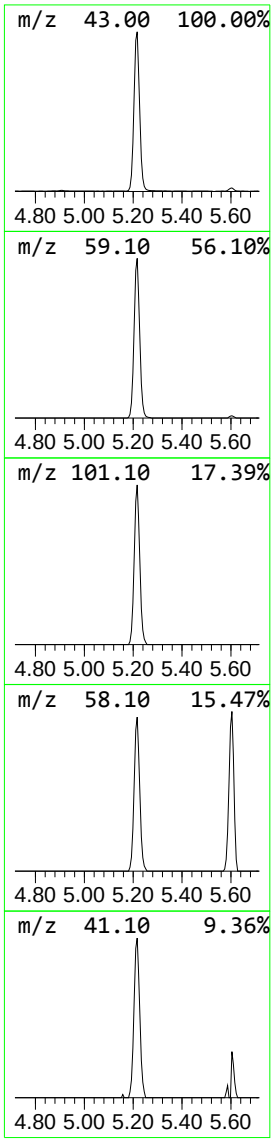
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.216	9.63 ng	299092	1,4-Dichlorobenzene-d4	6.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073025\
Data File : BF143270.D
Acq On : 30 Jul 2025 15:52
Operator : RC/JU
Sample : PB168971BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168971BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

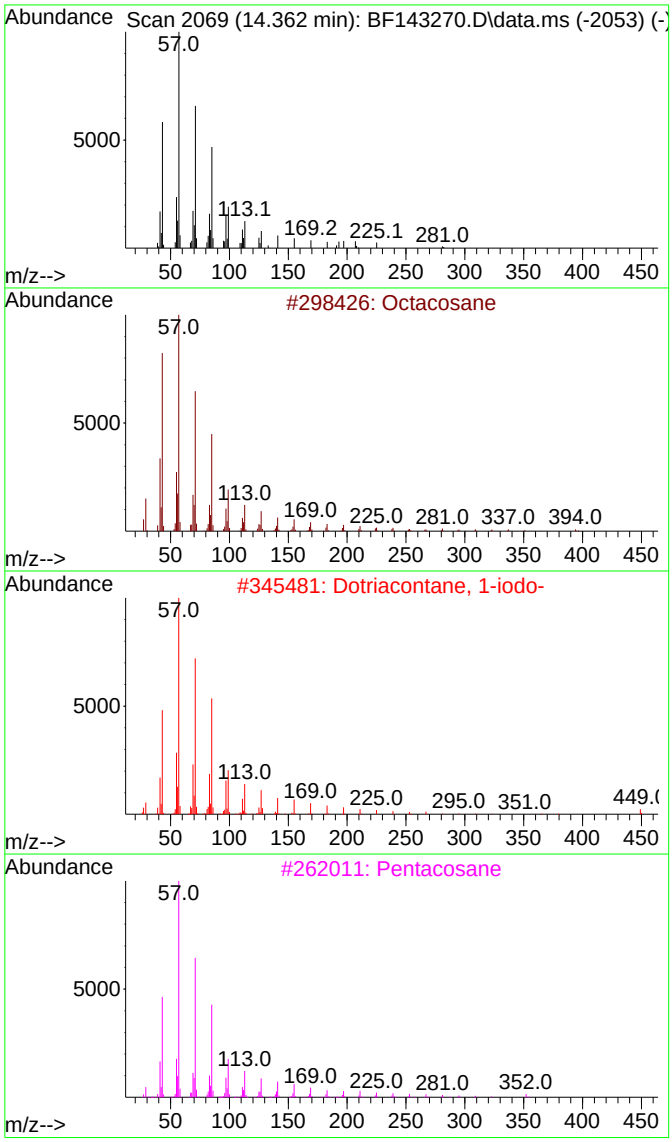
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

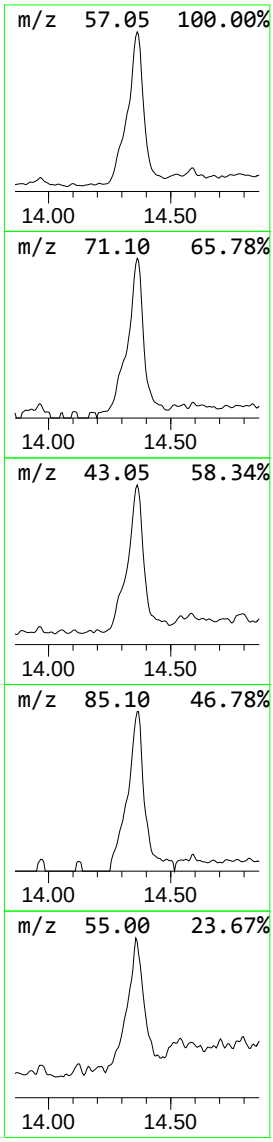
****

Peak Number 2 Octacosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.363	5.07 ng	144122	Chrysene-d12	14.121

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	91
2	Dotriacontane, 1-iodo-	576	C32H65I	1000406-32-4	91
3	Pentacosane	352	C25H52	000629-99-2	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	Octacosane, 2-methyl-	408	C29H60	001560-98-1	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073025\
Data File : BF143270.D
Acq On : 30 Jul 2025 15:52
Operator : RC/JU
Sample : PB168971BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168971BL

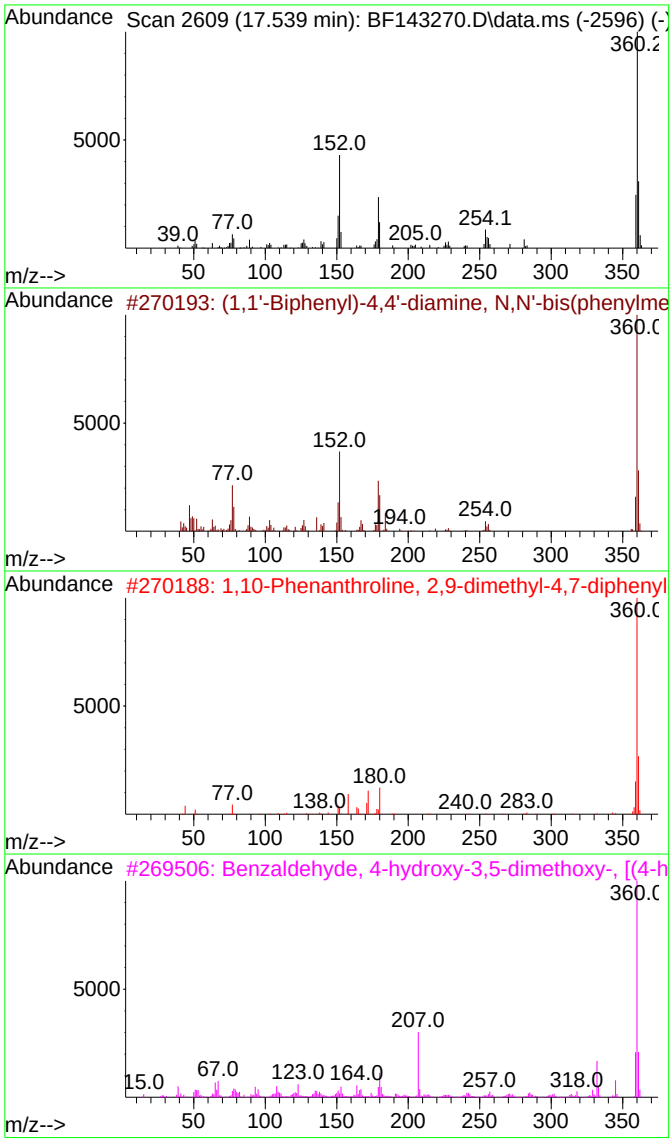
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

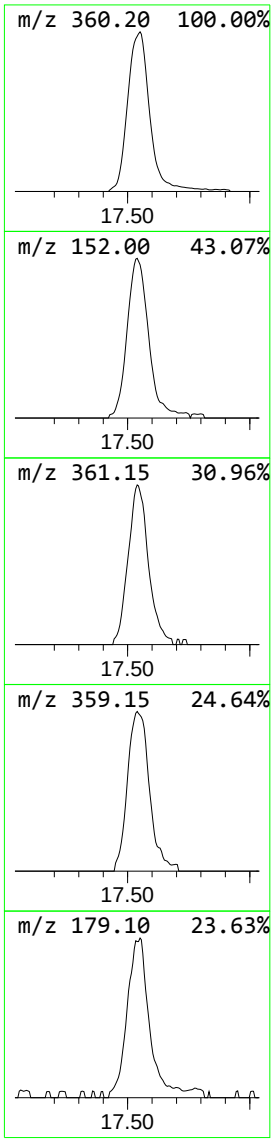
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (1,1'-Biphenyl)-4,4'-diamin... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.539	12.19 ng	364816	Perylene-d12	15.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1,1'-Biphenyl)-4,4'-diamine, N,...	360	C26H20N2	006311-48-4	91
2	1,10-Phenanthroline, 2,9-dimethy...	360	C26H20N2	004733-39-5	49
3	Benzaldehyde, 4-hydroxy-3,5-dime...	360	C18H20N2O6	014414-32-5	49
4	Androst-4-ene-3,17-dione, 12-hyd...	360	C21H32N2O3	069688-31-9	47
5	N,N'-di-2-Naphthyl-p-phenylenedi...	360	C26H20N2	000093-46-9	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073025\
Data File : BF143270.D
Acq On : 30 Jul 2025 15:52
Operator : RC/JU
Sample : PB168971BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168971BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.216	9.6	ng	299092	1	6.963	621030	20.0
Octacosane	14.363	5.1	ng	144122	5	14.121	567977	20.0
(1,1'-Biphenyl)...	17.539	12.2	ng	364816	6	15.633	598328	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073025\
Data File : BF143271.D
Acq On : 30 Jul 2025 16:22
Operator : RC/JU
Sample : PB168971BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 30 16:43:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168971BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.963	152	110955	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	433977	20.000	ng		0.00
39) Acenaphthene-d10	10.004	164	229633	20.000	ng		0.00
64) Phenanthrene-d10	11.486	188	407884	20.000	ng		0.00
76) Chrysene-d12	14.133	240	252100	20.000	ng		0.01
86) Perylene-d12	15.633	264	223360	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.604	112	749966	106.962	ng		0.02
7) Phenol-d6	6.592	99	954260	108.128	ng		0.00
23) Nitrobenzene-d5	7.522	82	652339	74.928	ng		0.00
42) 2,4,6-Tribromophenol	10.792	330	305877	128.940	ng		0.00
45) 2-Fluorobiphenyl	9.316	172	1220344	72.680	ng		0.00
79) Terphenyl-d14	13.074	244	1284148	75.801	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.910	88	107983	32.548	ng		100
3) Pyridine	3.657	79	293747	34.112	ng		99
4) n-Nitrosodimethylamine	3.604	42	179091	40.281	ng		96
6) Aniline	6.622	93	360015	29.270	ng	#	89
8) 2-Chlorophenol	6.751	128	311447	42.377	ng		97
9) Benzaldehyde	6.510	77	196594	29.707	ng		97
10) Phenol	6.610	94	399386	41.541	ng		84
11) bis(2-Chloroethyl)ether	6.692	93	297654	40.435	ng		99
12) 1,3-Dichlorobenzene	6.904	146	329364	41.253	ng		99
13) 1,4-Dichlorobenzene	6.981	146	333259	41.449	ng		99
14) 1,2-Dichlorobenzene	7.134	146	318527	41.653	ng		100
15) Benzyl Alcohol	7.098	79	294997	43.777	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.234	45	535096	39.185	ng		97
17) 2-Methylphenol	7.210	107	260245	42.113	ng		98
18) Hexachloroethane	7.475	117	120447	43.273	ng		98
19) n-Nitroso-di-n-propyla...	7.369	70	229920	40.607	ng		99
20) 3+4-Methylphenols	7.363	107	314028	41.884	ng	#	76
22) Acetophenone	7.369	105	421349	41.009	ng	#	97
24) Nitrobenzene	7.539	77	346666	42.709	ng		99
25) Isophorone	7.781	82	633987	41.250	ng		98
26) 2-Nitrophenol	7.857	139	169188	48.028	ng		99
27) 2,4-Dimethylphenol	7.892	122	292468	40.730	ng		99
28) bis(2-Chloroethoxy)met...	7.986	93	377136	40.927	ng		99
29) 2,4-Dichlorophenol	8.098	162	262205	43.299	ng		99
30) 1,2,4-Trichlorobenzene	8.186	180	276608	42.281	ng		99
31) Naphthalene	8.263	128	895946	41.920	ng		100
32) Benzoic acid	8.010	122	172605	43.247	ng		99
33) 4-Chloroaniline	8.304	127	188358	21.583	ng		100
34) Hexachlorobutadiene	8.386	225	170235	42.596	ng		99
35) Caprolactam	8.681	113	89151m	48.719	ng		
36) 4-Chloro-3-methylphenol	8.792	107	289254	43.947	ng		98
37) 2-Methylnaphthalene	8.957	142	552386	42.473	ng		100
38) 1-Methylnaphthalene	9.057	142	570488	42.597	ng		99
40) 1,2,4,5-Tetrachloroben...	9.128	216	276636	41.726	ng		99
41) Hexachlorocyclopentadiene	9.116	237	340771	78.996	ng		100
43) 2,4,6-Trichlorophenol	9.233	196	192511	41.956	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073025\
Data File : BF143271.D
Acq On : 30 Jul 2025 16:22
Operator : RC/JU
Sample : PB168971BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 30 16:43:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168971BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	205487	44.771	ng		98
46) 1,1'-Biphenyl	9.422	154	758765	42.351	ng		99
47) 2-Chloronaphthalene	9.445	162	554925	41.861	ng		99
48) 2-Nitroaniline	9.533	65	196618	47.296	ng		99
49) Acenaphthylene	9.863	152	946833	42.620	ng		100
50) Dimethylphthalate	9.716	163	671368	44.853	ng		100
51) 2,6-Dinitrotoluene	9.775	165	148794	48.866	ng		99
52) Acenaphthene	10.039	154	624989	47.598	ng		99
53) 3-Nitroaniline	9.945	138	113421	31.846	ng		100
54) 2,4-Dinitrophenol	10.057	184	159701	112.746	ng	#	1
55) Dibenzofuran	10.210	168	820871	42.107	ng		99
56) 4-Nitrophenol	10.110	139	246829	92.807	ng		98
57) 2,4-Dinitrotoluene	10.186	165	202868	53.104	ng		94
58) Fluorene	10.551	166	640925	43.805	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.327	232	175383	46.130	ng		99
60) Diethylphthalate	10.422	149	676727	45.742	ng		99
61) 4-Chlorophenyl-phenyle...	10.539	204	317005	43.512	ng		99
62) 4-Nitroaniline	10.563	138	155962	51.094	ng		94
63) Azobenzene	10.698	77	663535	43.033	ng		99
65) 4,6-Dinitro-2-methylph...	10.592	198	108295	50.348	ng		99
66) n-Nitrosodiphenylamine	10.657	169	577533	40.210	ng		99
67) 4-Bromophenyl-phenylether	11.027	248	202276	41.613	ng		97
68) Hexachlorobenzene	11.104	284	210766	41.484	ng		99
69) Atrazine	11.180	200	189565	47.874	ng		99
70) Pentachlorophenol	11.298	266	256885	85.977	ng		99
71) Phenanthrene	11.516	178	921087	42.530	ng		100
72) Anthracene	11.569	178	931236	42.160	ng		100
73) Carbazole	11.716	167	858650	44.519	ng		99
74) Di-n-butylphthalate	12.045	149	1035670	47.457	ng		100
75) Fluoranthene	12.704	202	957182	48.151	ng		99
77) Benzidine	12.816	184	317193	32.657	ng		98
78) Pyrene	12.933	202	949653	44.138	ng		100
80) Butylbenzylphthalate	13.539	149	373061	56.625	ng		100
81) Benzo(a)anthracene	14.121	228	745315	44.159	ng		100
82) 3,3'-Dichlorobenzidine	14.074	252	145029	25.782	ng		99
83) Chrysene	14.157	228	657731	43.343	ng		100
84) Bis(2-ethylhexyl)phtha...	14.104	149	478245	47.959	ng		98
85) Di-n-octyl phthalate	14.715	149	742465	41.075	ng		98
87) Indeno(1,2,3-cd)pyrene	17.186	276	686196	43.568	ng		97
88) Benzo(b)fluoranthene	15.192	252	611193	44.792	ng		99
89) Benzo(k)fluoranthene	15.221	252	608953	50.011	ng		99
90) Benzo(a)pyrene	15.574	252	582015	46.294	ng		99
91) Dibenzo(a,h)anthracene	17.198	278	560266	43.705	ng		99
92) Benzo(g,h,i)perylene	17.651	276	541871	43.697	ng		97

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

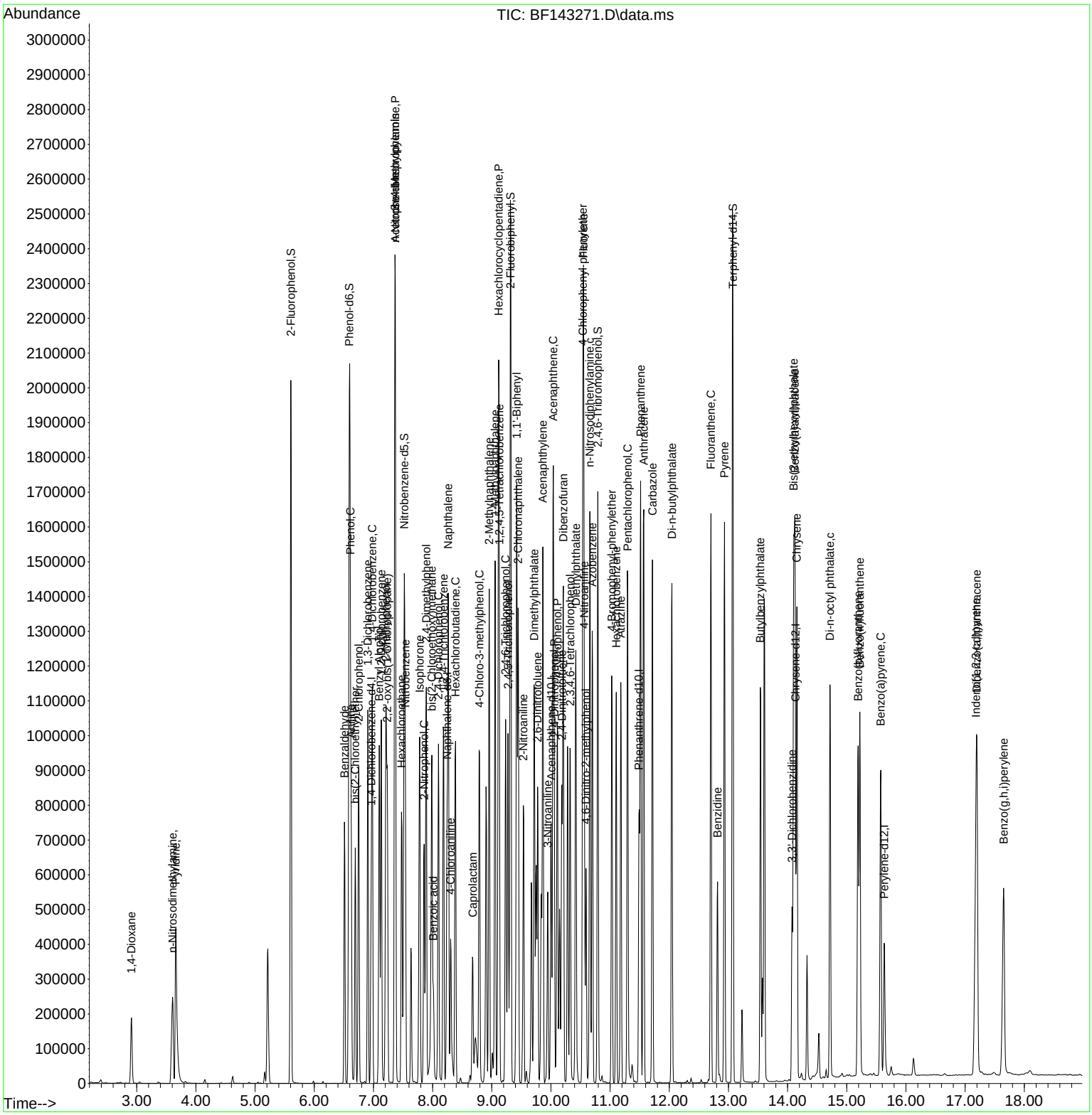
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073025\
Data File : BF143271.D
Acq On : 30 Jul 2025 16:22
Operator : RC/JU
Sample : PB168971BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 30 16:43:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168971BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073025\
Data File : BF143272.D
Acq On : 30 Jul 2025 16:51
Operator : RC/JU
Sample : PB168971BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 30 17:13:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168971BSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.963	152	104468	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	406759	20.000	ng		0.00
39) Acenaphthene-d10	10.004	164	215723	20.000	ng		0.00
64) Phenanthrene-d10	11.486	188	365952	20.000	ng		0.00
76) Chrysene-d12	14.127	240	212987	20.000	ng		0.00
86) Perylene-d12	15.633	264	212260	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.604	112	732144	110.904	ng		0.02
7) Phenol-d6	6.592	99	928026	111.685	ng		0.00
23) Nitrobenzene-d5	7.522	82	638840	78.288	ng		0.00
42) 2,4,6-Tribromophenol	10.792	330	289143	129.745	ng		0.00
45) 2-Fluorobiphenyl	9.316	172	1183069	75.003	ng		0.00
79) Terphenyl-d14	13.068	244	1143355	79.885	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.904	88	100495	32.172	ng		99
3) Pyridine	3.657	79	282113	34.795	ng		98
4) n-Nitrosodimethylamine	3.599	42	170143	40.645	ng		97
6) Aniline	6.622	93	339268	29.296	ng	#	91
8) 2-Chlorophenol	6.751	128	295347	42.681	ng		97
9) Benzaldehyde	6.510	77	187788	30.139	ng		98
10) Phenol	6.604	94	376879	41.634	ng		91
11) bis(2-Chloroethyl)ether	6.692	93	283607	40.919	ng		98
12) 1,3-Dichlorobenzene	6.904	146	313578	41.715	ng		99
13) 1,4-Dichlorobenzene	6.981	146	315528	41.680	ng		99
14) 1,2-Dichlorobenzene	7.134	146	303626	42.169	ng		100
15) Benzyl Alcohol	7.098	79	275686	43.452	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	505975	39.354	ng		97
17) 2-Methylphenol	7.210	107	248897	42.778	ng		98
18) Hexachloroethane	7.475	117	114774	43.795	ng		97
19) n-Nitroso-di-n-propyla...	7.369	70	217334	40.768	ng		99
20) 3+4-Methylphenols	7.363	107	296479	41.999	ng	#	75
22) Acetophenone	7.369	105	401932	41.737	ng	#	98
24) Nitrobenzene	7.539	77	327352	43.029	ng		100
25) Isophorone	7.781	82	595918	41.368	ng		98
26) 2-Nitrophenol	7.857	139	161567	48.933	ng		99
27) 2,4-Dimethylphenol	7.892	122	275400	40.920	ng		99
28) bis(2-Chloroethoxy)met...	7.986	93	355691	41.182	ng		99
29) 2,4-Dichlorophenol	8.098	162	248769	43.829	ng		99
30) 1,2,4-Trichlorobenzene	8.181	180	263885	43.035	ng		100
31) Naphthalene	8.263	128	853853	42.624	ng		100
32) Benzoic acid	8.010	122	161477	43.176	ng		98
33) 4-Chloroaniline	8.304	127	159258	19.470	ng		99
34) Hexachlorobutadiene	8.386	225	164034	43.791	ng		100
35) Caprolactam	8.675	113	82548m	48.129	ng		
36) 4-Chloro-3-methylphenol	8.792	107	276483	44.817	ng		99
37) 2-Methylnaphthalene	8.957	142	521678	42.796	ng		100
38) 1-Methylnaphthalene	9.057	142	538424	42.893	ng		99
40) 1,2,4,5-Tetrachloroben...	9.128	216	262276	42.111	ng		98
41) Hexachlorocyclopentadiene	9.116	237	322352	79.544	ng		99
43) 2,4,6-Trichlorophenol	9.233	196	180901	41.968	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073025\
Data File : BF143272.D
Acq On : 30 Jul 2025 16:51
Operator : RC/JU
Sample : PB168971BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 30 17:13:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168971BSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	191822	44.489	ng		99
46) 1,1'-Biphenyl	9.422	154	716855	42.592	ng		99
47) 2-Chloronaphthalene	9.445	162	527552	42.362	ng		100
48) 2-Nitroaniline	9.533	65	184021	47.120	ng		98
49) Acenaphthylene	9.863	152	884601	42.386	ng		100
50) Dimethylphthalate	9.716	163	624497	44.412	ng		100
51) 2,6-Dinitrotoluene	9.775	165	138044	48.259	ng		99
52) Acenaphthene	10.033	154	590828	47.898	ng		98
53) 3-Nitroaniline	9.945	138	99660	29.786	ng		99
54) 2,4-Dinitrophenol	10.051	184	148155	111.422	ng	#	1
55) Dibenzofuran	10.210	168	761303	41.570	ng		99
56) 4-Nitrophenol	10.110	139	217254	86.955	ng		97
57) 2,4-Dinitrotoluene	10.180	165	185206	51.607	ng		98
58) Fluorene	10.551	166	598771	43.563	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.327	232	164010	45.920	ng		98
60) Diethylphthalate	10.416	149	627013	45.114	ng		100
61) 4-Chlorophenyl-phenyle...	10.539	204	297085	43.407	ng		99
62) 4-Nitroaniline	10.563	138	137830	48.065	ng		96
63) Azobenzene	10.698	77	613274	42.338	ng		100
65) 4,6-Dinitro-2-methylph...	10.592	198	96709	50.139	ng		100
66) n-Nitrosodiphenylamine	10.657	169	531852	41.273	ng		99
67) 4-Bromophenyl-phenylether	11.027	248	184379	42.277	ng		98
68) Hexachlorobenzene	11.104	284	192968	42.333	ng		98
69) Atrazine	11.180	200	170351	47.951	ng		99
70) Pentachlorophenol	11.292	266	227184	84.749	ng		100
71) Phenanthrene	11.516	178	830850	42.759	ng		100
72) Anthracene	11.563	178	847924	42.787	ng		100
73) Carbazole	11.716	167	767496	44.353	ng		100
74) Di-n-butylphthalate	12.045	149	915048	46.734	ng		100
75) Fluoranthene	12.704	202	820690	46.016	ng		99
77) Benzidine	12.816	184	249637	30.422	ng		99
78) Pyrene	12.933	202	814026	44.783	ng		99
80) Butylbenzylphthalate	13.539	149	310693	55.818	ng		99
81) Benzo(a)anthracene	14.115	228	642816	45.080	ng		99
82) 3,3'-Dichlorobenzidine	14.074	252	129138	27.172	ng		99
83) Chrysene	14.157	228	550773	42.960	ng		100
84) Bis(2-ethylhexyl)phtha...	14.104	149	408428	48.479	ng		100
85) Di-n-octyl phthalate	14.715	149	660955	43.281	ng		98
87) Indeno(1,2,3-cd)pyrene	17.180	276	659532	44.065	ng		97
88) Benzo(b)fluoranthene	15.192	252	568804	43.865	ng		99
89) Benzo(k)fluoranthene	15.221	252	550326	47.560	ng		98
90) Benzo(a)pyrene	15.574	252	539386	45.147	ng		99
91) Dibenzo(a,h)anthracene	17.198	278	536193	44.014	ng		97
92) Benzo(g,h,i)perylene	17.651	276	521556	44.258	ng		98

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

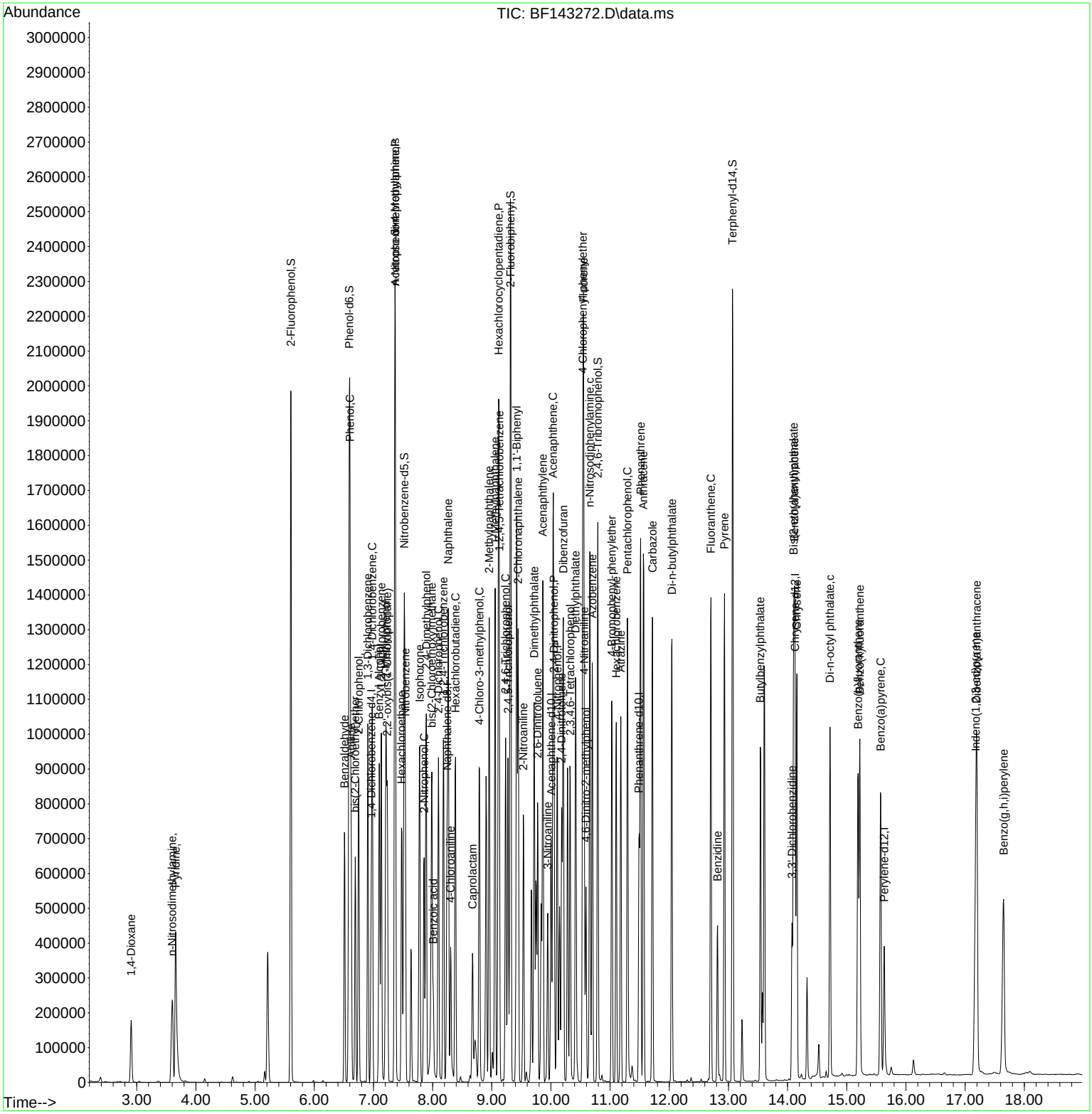
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073025\
Data File : BF143272.D
Acq On : 30 Jul 2025 16:51
Operator : RC/JU
Sample : PB168971BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 30 17:13:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168971BSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



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

Manual Integration Report

Sequence:	BF071725	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF143141.D	Nitrobenzene-d5	Rahul	7/18/2025 10:30:25 AM	Jagrut	7/18/2025 1:30:07 PM	Peak Integrated by Software
SSTDICC010	BF143142.D	Benzoic acid	Rahul	7/18/2025 10:30:28 AM	Jagrut	7/18/2025 1:30:09 PM	Peak Integrated by Software
SSTDICC010	BF143142.D	Nitrobenzene-d5	Rahul	7/18/2025 10:30:28 AM	Jagrut	7/18/2025 1:30:09 PM	Peak Integrated by Software
SSTDICC010	BF143142.D	Phenol	Rahul	7/18/2025 10:30:28 AM	Jagrut	7/18/2025 1:30:09 PM	Peak Integrated by Software
SSTDICC020	BF143143.D	Benzoic acid	Rahul	7/18/2025 10:30:30 AM	Jagrut	7/18/2025 1:30:11 PM	Peak Integrated by Software
SSTDICC020	BF143143.D	Nitrobenzene-d5	Rahul	7/18/2025 10:30:30 AM	Jagrut	7/18/2025 1:30:11 PM	Peak Integrated by Software
SSTDICC020	BF143143.D	Phenol	Rahul	7/18/2025 10:30:30 AM	Jagrut	7/18/2025 1:30:11 PM	Peak Integrated by Software
SSTDICCC040	BF143144.D	Benzoic acid	Rahul	7/18/2025 10:30:33 AM	Jagrut	7/18/2025 1:30:14 PM	Peak Integrated by Software
SSTDICCC040	BF143144.D	Phenol	Rahul	7/18/2025 10:30:33 AM	Jagrut	7/18/2025 1:30:14 PM	Peak Integrated by Software
SSTDICC050	BF143145.D	Benzoic acid	Rahul	7/18/2025 10:30:35 AM	Jagrut	7/18/2025 1:30:16 PM	Peak Integrated by Software
SSTDICC050	BF143145.D	Phenol	Rahul	7/18/2025 10:30:35 AM	Jagrut	7/18/2025 1:30:16 PM	Peak Integrated by Software
SSTDICC060	BF143146.D	Phenol	Rahul	7/18/2025 10:30:38 AM	Jagrut	7/18/2025 1:30:19 PM	Peak Integrated by Software
SSTDICC080	BF143147.D	Benzoic acid	Rahul	7/18/2025 10:30:41 AM	Jagrut	7/18/2025 1:30:22 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF071725	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC080	BF143147.D	Phenol	Rahul	7/18/2025 10:30:41 AM	Jagrut	7/18/2025 1:30:22 PM	Peak Integrated by Software
SSTDICV040	BF143148.D	Phenol	Rahul	7/18/2025 10:30:44 AM	Jagrut	7/18/2025 1:30:24 PM	Peak Integrated by Software
SSTDCCC040	BF143157.D	Phenol	Rahul	7/18/2025 10:31:02 AM	Jagrut	7/18/2025 1:30:41 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	Bf073025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF143269.D	Benzoic acid	Rahul	7/31/2025 8:20:02 AM	mohammad	7/31/2025 8:52:01 AM	Peak Integrated by Software
PB168971BS	BF143271.D	Caprolactam	Rahul	7/31/2025 8:20:05 AM	mohammad	7/31/2025 8:52:01 AM	Peak Integrated by Software
PB168971BSD	BF143272.D	Caprolactam	Rahul	7/31/2025 8:20:07 AM	mohammad	7/31/2025 8:52:01 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BM070925	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BM050379.D	Benzaldehyde	Rahul	7/9/2025 9:47:39 AM	Jagrut	7/9/2025 2:15:18 PM	Peak Integrated by Software
SSTDICC020	BM050380.D	Benzaldehyde	Rahul	7/9/2025 9:47:42 AM	Jagrut	7/9/2025 2:15:21 PM	Peak Integrated by Software
SSTDICCC040	BM050381.D	Benzaldehyde	Rahul	7/9/2025 9:47:45 AM	Jagrut	7/9/2025 2:15:23 PM	Peak Integrated by Software
SSTDICC050	BM050382.D	Benzaldehyde	Rahul	7/9/2025 9:47:47 AM	Jagrut	7/9/2025 2:15:25 PM	Peak Integrated by Software
SSTDICV040	BM050385.D	Benzaldehyde	Rahul	7/9/2025 9:47:50 AM	Jagrut	7/9/2025 2:15:28 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bm072325	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF071725

Review By	Rahul	Review On	7/18/2025 11:02:11 AM				
Supervise By	Jagrut	Supervise On	7/18/2025 1:30:54 PM				
SubDirectory	BF071725	HP Acquire Method	BNA_F		HP Processing Method	bf071725	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12674,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143138.D	17 Jul 2025 09:58	RC/JU	Ok
2	SSTDCCC040	BF143139.D	17 Jul 2025 10:28	RC/JU	Not Ok
3	SSTDICC2.5	BF143140.D	17 Jul 2025 11:04	RC/JU	Ok
4	SSTDICC005	BF143141.D	17 Jul 2025 11:34	RC/JU	Ok,M
5	SSTDICC010	BF143142.D	17 Jul 2025 12:04	RC/JU	Ok,M
6	SSTDICC020	BF143143.D	17 Jul 2025 12:34	RC/JU	Ok,M
7	SSTDICCC040	BF143144.D	17 Jul 2025 13:03	RC/JU	Ok,M
8	SSTDICC050	BF143145.D	17 Jul 2025 13:33	RC/JU	Ok,M
9	SSTDICC060	BF143146.D	17 Jul 2025 14:04	RC/JU	Ok,M
10	SSTDICC080	BF143147.D	17 Jul 2025 14:34	RC/JU	Ok,M
11	SSTDICV040	BF143148.D	17 Jul 2025 15:06	RC/JU	Ok,M
12	PB168813BL	BF143149.D	17 Jul 2025 15:36	RC/JU	Ok
13	Q2126-03	BF143150.D	17 Jul 2025 16:06	RC/JU	Ok,M
14	Q2126-03	BF143151.D	17 Jul 2025 16:36	RC/JU	Ok,M
15	Q2126-09	BF143152.D	17 Jul 2025 17:07	RC/JU	Ok,M
16	Q2126-09	BF143153.D	17 Jul 2025 17:37	RC/JU	Ok,M
17	PB168816BL	BF143154.D	17 Jul 2025 18:07	RC/JU	Ok
18	PB167904BL	BF143155.D	17 Jul 2025 18:37	RC/JU	Ok
19	PB167904BS	BF143156.D	17 Jul 2025 19:07	RC/JU	Ok,M
20	SSTDCCC040	BF143157.D	17 Jul 2025 19:37	RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF073025

Review By	Rahul	Review On	7/31/2025 8:22:04 AM		
Supervise By	mohammad	Supervise On	7/31/2025 8:52:01 AM		
SubDirectory	BF073025	HP Acquire Method	BNA_F	HP Processing Method	bf071725

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13168,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143268.D	30 Jul 2025 14:53	RC/JU	Ok
2	SSTDCCC040	BF143269.D	30 Jul 2025 15:22	RC/JU	Ok,M
3	PB168971BL	BF143270.D	30 Jul 2025 15:52	RC/JU	Ok
4	PB168971BS	BF143271.D	30 Jul 2025 16:22	RC/JU	Ok,M
5	PB168971BSD	BF143272.D	30 Jul 2025 16:51	RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM070925

Review By	Rahul	Review On	7/9/2025 9:48:51 AM		
Supervise By	Jagrut	Supervise On	7/9/2025 2:15:39 PM		
SubDirectory	BM070925	HP Acquire Method	BNA_M	HP Processing Method	bm070925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12673,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM050376.D	08 Jul 2025 11:59	RC/JU	Ok
2	SSTDICC2.5	BM050377.D	08 Jul 2025 12:39	RC/JU	Ok
3	SSTDICC005	BM050378.D	08 Jul 2025 13:19	RC/JU	Ok
4	SSTDICC010	BM050379.D	08 Jul 2025 14:00	RC/JU	Ok,M
5	SSTDICC020	BM050380.D	08 Jul 2025 14:40	RC/JU	Ok,M
6	SSTDICCC040	BM050381.D	08 Jul 2025 15:20	RC/JU	Ok,M
7	SSTDICC050	BM050382.D	08 Jul 2025 16:01	RC/JU	Ok,M
8	SSTDICC060	BM050383.D	08 Jul 2025 16:41	RC/JU	Ok
9	SSTDICC080	BM050384.D	08 Jul 2025 17:22	RC/JU	Ok
10	SSTDICV040	BM050385.D	08 Jul 2025 18:05	RC/JU	Ok,M
11	PB168722BL	BM050386.D	08 Jul 2025 19:26	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM072325

Review By	Rahul	Review On	7/24/2025 10:41:12 AM		
Supervise By	Jagrut	Supervise On	7/24/2025 12:01:59 PM		
SubDirectory	BM072325	HP Acquire Method	BNA_M	HP Processing Method	bm070925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13168,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM050487.D	23 Jul 2025 12:35	RC/JU	Ok
2	SSTDCCC040	BM050488.D	23 Jul 2025 13:14	RC/JU	Ok
3	PB168971BL	BM050489.D	23 Jul 2025 14:14	RC/JU	Not Ok
4	PB168971BS	BM050490.D	23 Jul 2025 14:53	RC/JU	Not Ok
5	PB168971BSD	BM050491.D	23 Jul 2025 15:33	RC/JU	Not Ok
6	Q2633-02	BM050492.D	23 Jul 2025 16:18	RC/JU	Ok
7	Q2664-01	BM050493.D	23 Jul 2025 16:57	RC/JU	Ok
8	Q2668-04	BM050494.D	23 Jul 2025 17:37	RC/JU	Not Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF071725

Review By	Rahul	Review On	7/18/2025 11:02:11 AM		
Supervise By	Jagrut	Supervise On	7/18/2025 1:30:54 PM		
SubDirectory	BF071725	HP Acquire Method	BNA_F	HP Processing Method	bf071725

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12674,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143138.D	17 Jul 2025 09:58		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143139.D	17 Jul 2025 10:28	A Fresh Calibration is required.	RC/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BF143140.D	17 Jul 2025 11:04		RC/JU	Ok
4	SSTDICC005	SSTDICC005	BF143141.D	17 Jul 2025 11:34		RC/JU	Ok,M
5	SSTDICC010	SSTDICC010	BF143142.D	17 Jul 2025 12:04		RC/JU	Ok,M
6	SSTDICC020	SSTDICC020	BF143143.D	17 Jul 2025 12:34		RC/JU	Ok,M
7	SSTDICCC040	SSTDICCC040	BF143144.D	17 Jul 2025 13:03	Compound #32,54,65 Kept on LR	RC/JU	Ok,M
8	SSTDICC050	SSTDICC050	BF143145.D	17 Jul 2025 13:33		RC/JU	Ok,M
9	SSTDICC060	SSTDICC060	BF143146.D	17 Jul 2025 14:04		RC/JU	Ok,M
10	SSTDICC080	SSTDICC080	BF143147.D	17 Jul 2025 14:34	Compound#77 removed from 80 ppm	RC/JU	Ok,M
11	SSTDICV040	ICVBF071725	BF143148.D	17 Jul 2025 15:06		RC/JU	Ok,M
12	PB168813BL	PB168813BL	BF143149.D	17 Jul 2025 15:36		RC/JU	Ok
13	Q2126-03	MDL-SOIL-03-QT2-202	BF143150.D	17 Jul 2025 16:06	MDL-SOIL 4 ppm	RC/JU	Ok,M
14	Q2126-03	MDL-SOIL-03-QT2-202	BF143151.D	17 Jul 2025 16:36	MDL-SOIL 8 ppm	RC/JU	Ok,M
15	Q2126-09	MDL-WATER-03-QT2-2	BF143152.D	17 Jul 2025 17:07	MDL-WATER 4 ppm	RC/JU	Ok,M
16	Q2126-09	MDL-WATER-03-QT2-2	BF143153.D	17 Jul 2025 17:37	MDL-WATER 8 ppm	RC/JU	Ok,M
17	PB168816BL	PB168816BL	BF143154.D	17 Jul 2025 18:07		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF071725

Review By	Rahul	Review On	7/18/2025 11:02:11 AM		
Supervise By	Jagrut	Supervise On	7/18/2025 1:30:54 PM		
SubDirectory	BF071725	HP Acquire Method	BNA_F	HP Processing Method	bf071725

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12674,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	PB167904BL	PB167904BL	BF143155.D	17 Jul 2025 18:37		RC/JU	Ok
19	PB167904BS	PB167904BS	BF143156.D	17 Jul 2025 19:07		RC/JU	Ok,M
20	SSTDCCC040	SSTDCCC040EC	BF143157.D	17 Jul 2025 19:37		RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF073025

Review By	Rahul	Review On	7/31/2025 8:22:04 AM		
Supervise By	mohammad	Supervise On	7/31/2025 8:52:01 AM		
SubDirectory	BF073025	HP Acquire Method	BNA_F	HP Processing Method	bf071725

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13168,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143268.D	30 Jul 2025 14:53		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143269.D	30 Jul 2025 15:22		RC/JU	Ok,M
3	PB168971BL	PB168971BL	BF143270.D	30 Jul 2025 15:52		RC/JU	Ok
4	PB168971BS	PB168971BS	BF143271.D	30 Jul 2025 16:22		RC/JU	Ok,M
5	PB168971BSD	PB168971BSD	BF143272.D	30 Jul 2025 16:51		RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM070925

Review By	Rahul	Review On	7/9/2025 9:48:51 AM		
Supervise By	Jagrut	Supervise On	7/9/2025 2:15:39 PM		
SubDirectory	BM070925	HP Acquire Method	BNA_M	HP Processing Method	bm070925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12673,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM050376.D	08 Jul 2025 11:59		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BM050377.D	08 Jul 2025 12:39		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BM050378.D	08 Jul 2025 13:19		RC/JU	Ok
4	SSTDICC010	SSTDICC010	BM050379.D	08 Jul 2025 14:00		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BM050380.D	08 Jul 2025 14:40		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BM050381.D	08 Jul 2025 15:20	Compound#32,54,57,62,65 Kept on LR	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BM050382.D	08 Jul 2025 16:01		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BM050383.D	08 Jul 2025 16:41		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BM050384.D	08 Jul 2025 17:22	Compound#09 removed from 80 ppm	RC/JU	Ok
10	SSTDICV040	ICVBM070925	BM050385.D	08 Jul 2025 18:05	Comp#77 Failed from High side	RC/JU	Ok,M
11	PB168722BL	PB168722BL	BM050386.D	08 Jul 2025 19:26		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM072325

Review By	Rahul	Review On	7/24/2025 10:41:12 AM		
Supervise By	Jagrut	Supervise On	7/24/2025 12:01:59 PM		
SubDirectory	BM072325	HP Acquire Method	BNA_M	HP Processing Method	bm070925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13168,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM050487.D	23 Jul 2025 12:35		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM050488.D	23 Jul 2025 13:14		RC/JU	Ok
3	PB168971BL	PB168971BL	BM050489.D	23 Jul 2025 14:14	Not used	RC/JU	Not Ok
4	PB168971BS	PB168971BS	BM050490.D	23 Jul 2025 14:53	Not used	RC/JU	Not Ok
5	PB168971BSD	PB168971BSD	BM050491.D	23 Jul 2025 15:33	Injection error	RC/JU	Not Ok
6	Q2633-02	FIBER-GLASS-TANK	BM050492.D	23 Jul 2025 16:18		RC/JU	Ok
7	Q2664-01	GDW3	BM050493.D	23 Jul 2025 16:57		RC/JU	Ok
8	Q2668-04	TP-2	BM050494.D	23 Jul 2025 17:37	Analyzed with MSMSD, Not used	RC/JU	Not Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168971

SOP ID:	M3510C,3580A-Extraction SVOC-21				
Clean Up SOP #:	N/A			**Extraction Start Date :**	07/23/2025
Matrix :	Water			**Extraction Start Time :**	09:00
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	07/23/2025
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	14:00
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3880	**Hood ID:**	4,6,7	**Supervisor By :**	RUPESH

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

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6849
Surrogate	1.0ML	100/150 PPM	SP6852
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3954
Baked Na2SO4	N/A	EP2625
H2SO4 1:1	N/A	EP2610
10N NaoH	N/A	EP2609
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

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

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	NE VAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/23/25	RS (Ext lab)	RC/SVOC
14:05	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168971

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

Concentration Date: 07/23/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168971BL	SBLK971	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			SEP-1
PB168971BS	SLCS971	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			2
PB168971BSD	SLCSD971	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			3
Q2633-02	FIBER-GLASS-TANK	SVOC-TCL BNA -20	900	6	RUPESH	ritesh	1	N		4
Q2664-01	GDW3	SVOCMS Group2	980	6	RUPESH	ritesh	1	C		5

RS
7/23

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

168971
9:00

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2664 **WorkList ID :** 190897 **Department :** Extraction **Date :** 07-23-2025 08:50:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2633-02	FIBER-GLASS-TANK	Water	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	07/17/2025	8270E
Q2664-01	GDW3	Water	SVOCMS Group2	Cool 4 deg C	GENV01	O33	07/21/2025	8270E

Date/Time 7/23/25 8:55
Raw Sample Received by: RS (Extralab)
Raw Sample Relinquished by:

Date/Time 7/23/25 9:30
Raw Sample Received by:
Raw Sample Relinquished by: RS (Extralab)

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LAB CHRONICLE

OrderID:	Q2664	**OrderDate:**	7/21/2025 2:32:00 PM
Client:	G Environmental	**Project:**	Nelson
Contact:	Gary Landis	**Location:**	O33,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2664-01	**GDW3**	**Water**			**07/21/25**			**07/21/25**
			SVOCMS Group2	8270E		07/23/25	07/23/25	