

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
 Data File : BF143437.D
 Acq On : 18 Aug 2025 13:08
 Operator : RC/JU
 Sample : Q2811-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EFF-WASTE WATER

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-BF081525.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143437.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.234	3	7	20	rVB	2222630	3453976	7.64%	2.086%
2	5.557	567	572	588	rVB	712459	980376	2.17%	0.592%
3	6.557	732	742	754	rBV	404400	678191	1.50%	0.410%
4	6.922	800	804	810	rBV	425555	548573	1.21%	0.331%
5	6.993	810	816	835	rVV	2450488	3675117	8.13%	2.220%
6	7.145	837	842	869	rVB	414763	840578	1.86%	0.508%
7	7.481	893	899	905	rBV	1233092	1567566	3.47%	0.947%
8	7.792	912	952	960	rBV	2404641	16397816	36.29%	9.906%
9	8.204	1017	1022	1031	rVB	520524	660999	1.46%	0.399%
10	9.281	1199	1205	1210	rBV	2025480	2626512	5.81%	1.587%
11	9.957	1312	1320	1336	rVB	547302	763991	1.69%	0.462%
12	10.745	1450	1454	1464	rVB	805049	1108810	2.45%	0.670%
13	11.039	1489	1504	1507	rBV	8624155	37381116	82.73%	22.581%
14	11.180	1524	1528	1541	rVB	837916	2207251	4.88%	1.333%
15	11.451	1569	1574	1588	rVB	502040	716985	1.59%	0.433%
16	11.969	1658	1662	1677	rVB	622112	938174	2.08%	0.567%
17	12.157	1689	1694	1710	rVB	483892	1060512	2.35%	0.641%
18	12.757	1791	1796	1810	rVV2	771952	1365334	3.02%	0.825%
19	12.910	1818	1822	1828	rVV	564482	967664	2.14%	0.585%
20	13.027	1836	1842	1847	rVB	2184296	2838568	6.28%	1.715%
21	13.298	1881	1888	1893	rBV	813055	1766302	3.91%	1.067%
22	13.392	1900	1904	1915	rVB	419871	712571	1.58%	0.430%
23	13.663	1936	1950	1962	rBV	6045000	21919813	48.51%	13.241%
24	13.810	1966	1975	1981	rBV	5042146	13793871	30.53%	8.333%
25	14.704	2123	2127	2135	rVB	315227	557745	1.23%	0.337%
26	15.574	2270	2275	2286	rVB	509970	825780	1.83%	0.499%
27	18.556	2744	2782	2808	rBV	5168685	45186625	100.00%	27.296%

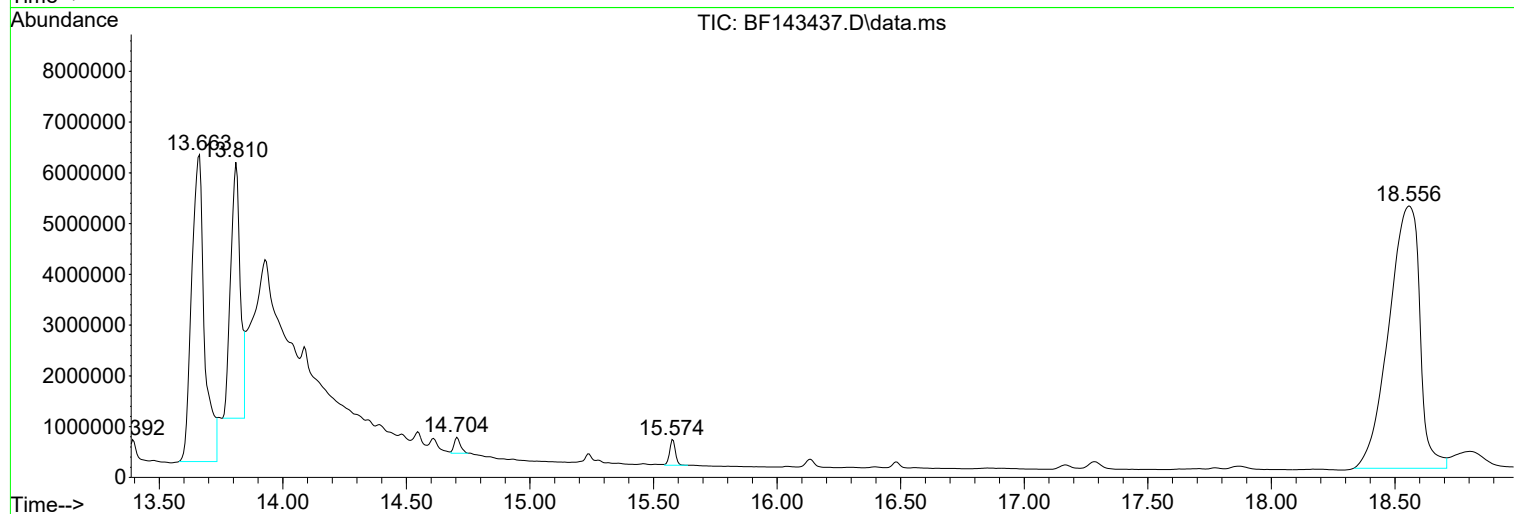
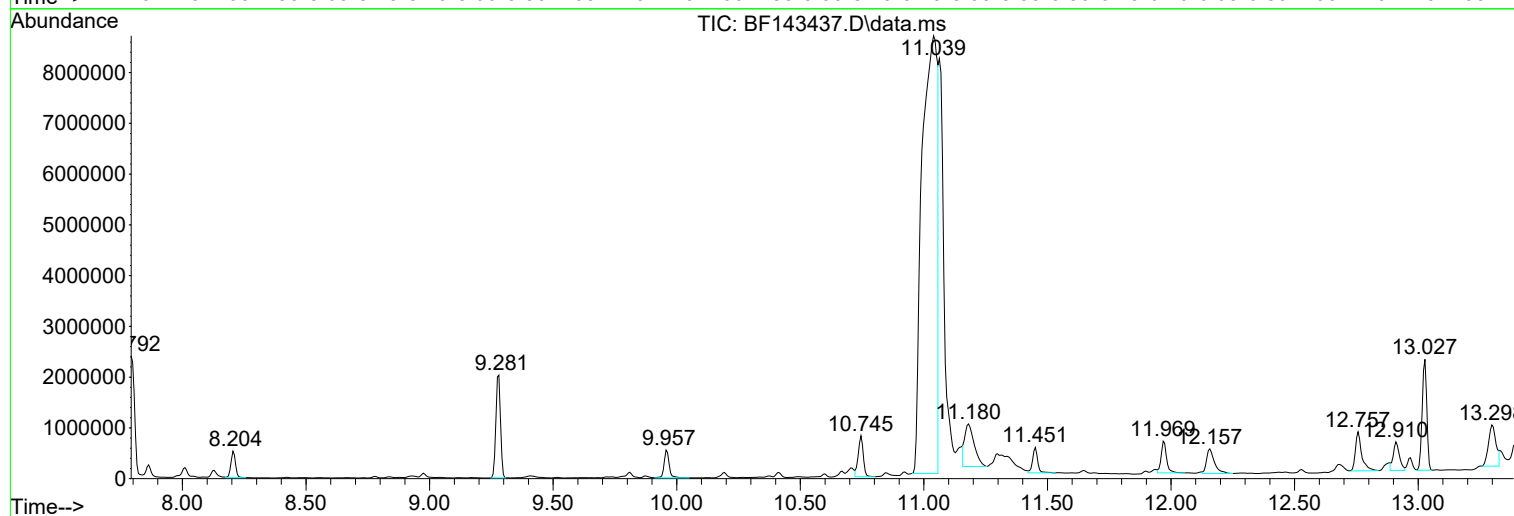
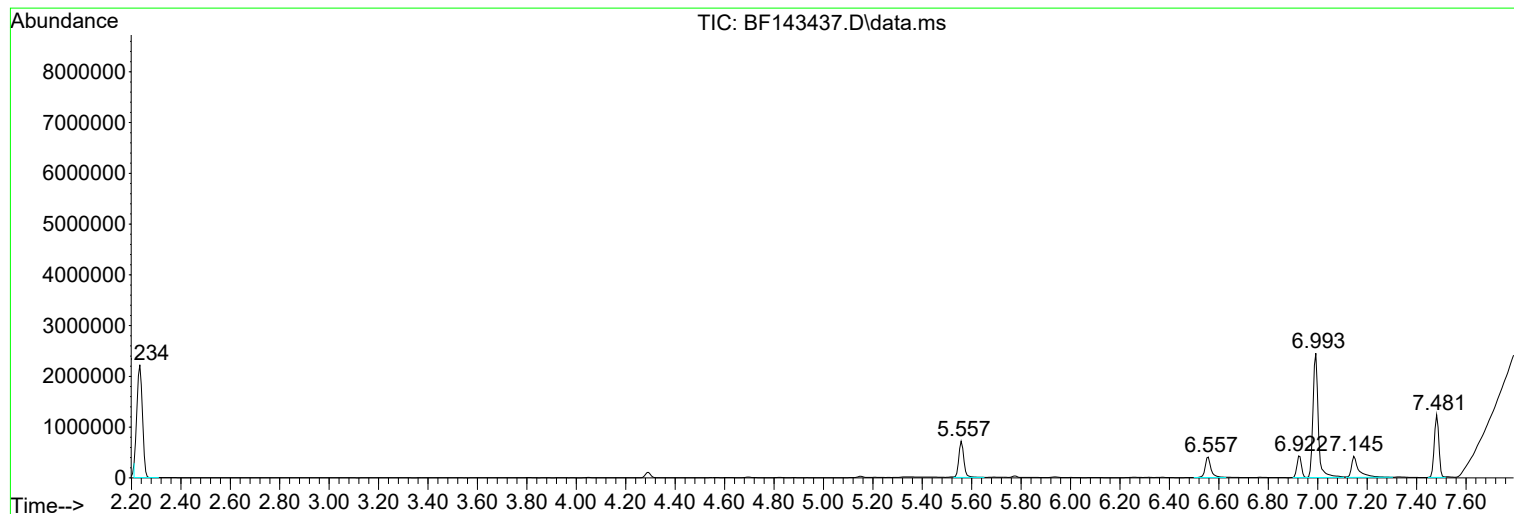
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ClientSampleId :
EFF-WASTE WATER

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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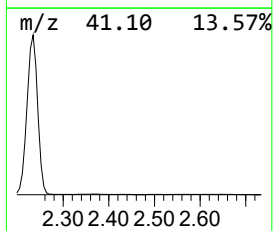
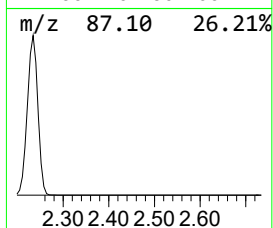
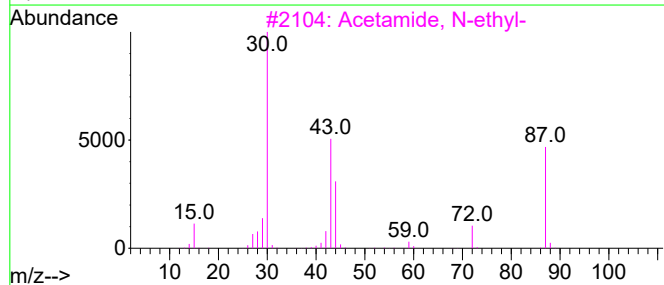
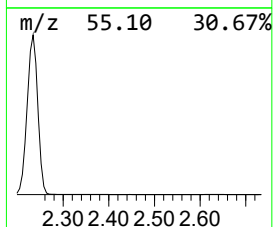
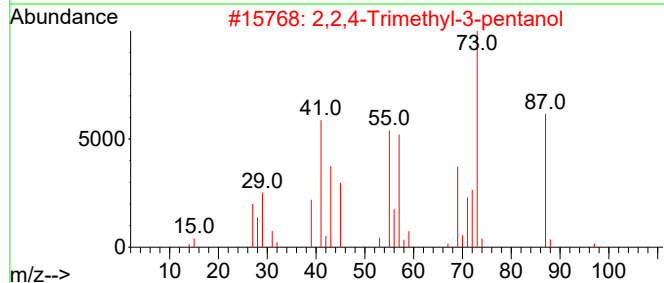
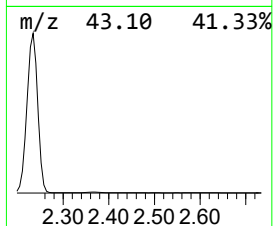
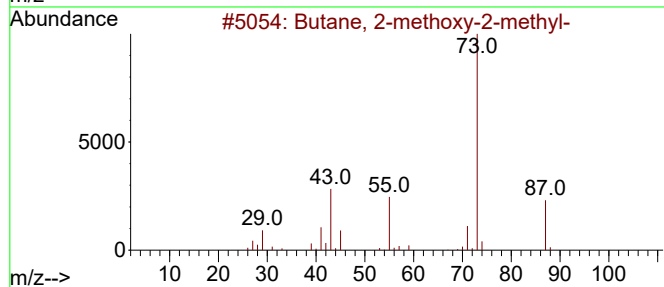
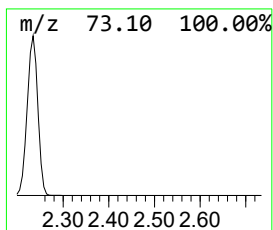
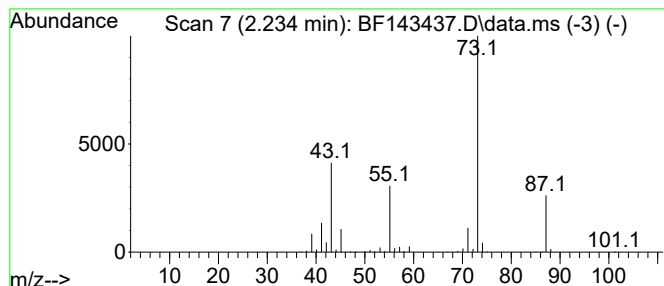
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.234	125.93 ng	3453980	1,4-Dichlorobenzene-d4	6.928

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
4			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17



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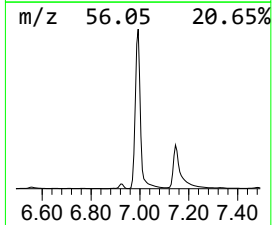
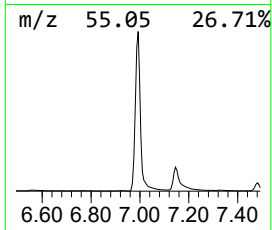
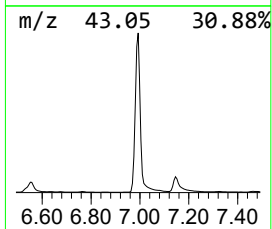
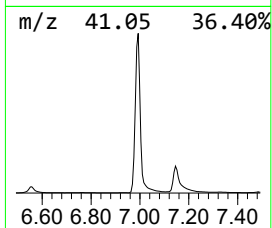
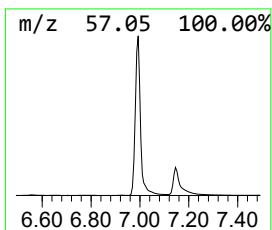
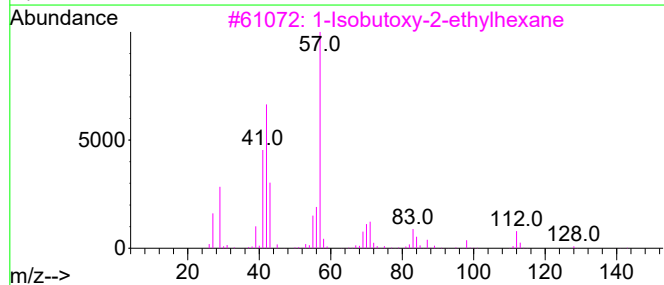
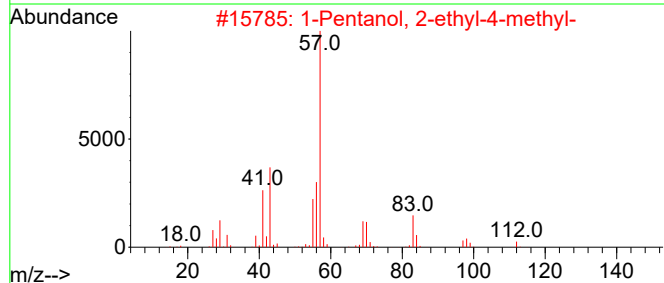
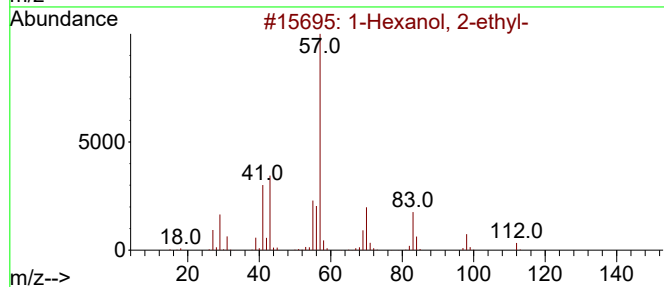
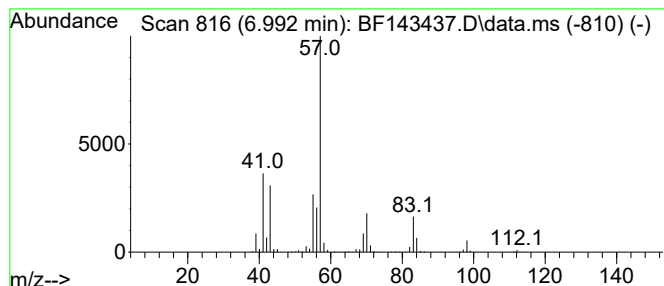
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TIC Library : C:\Database\NIST20.L
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Peak Number 2 1-Hexanol, 2-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.992	133.99 ng	3675120	1,4-Dichlorobenzene-d4	6.928

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	83
2			1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	64
3			1-Isobutoxy-2-ethylhexane	186	C12H26O	1000139-90-3	56
4			Carbonic acid, heptyl vinyl ester	186	C10H18O3	1010383-25-4	50
5			Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	50



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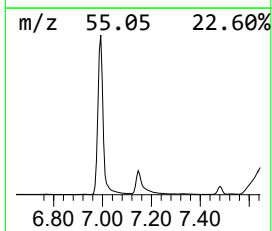
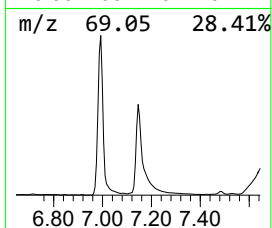
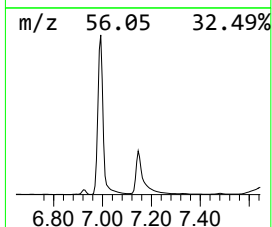
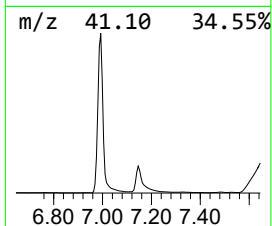
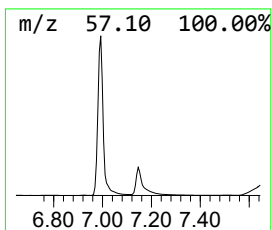
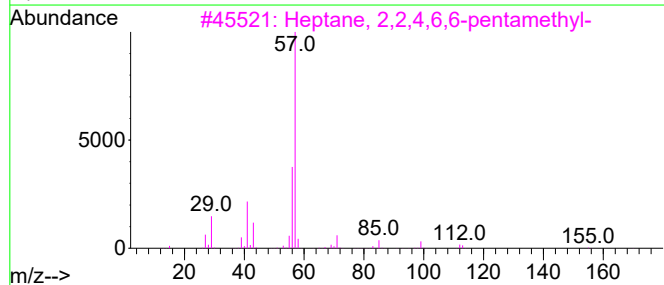
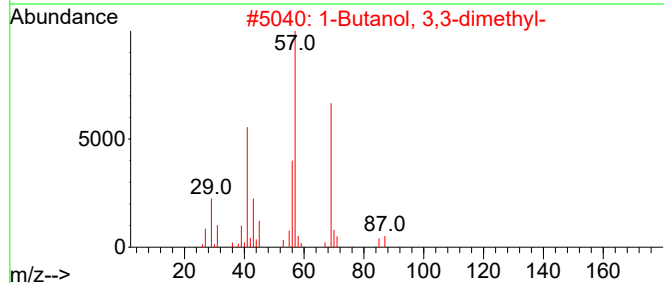
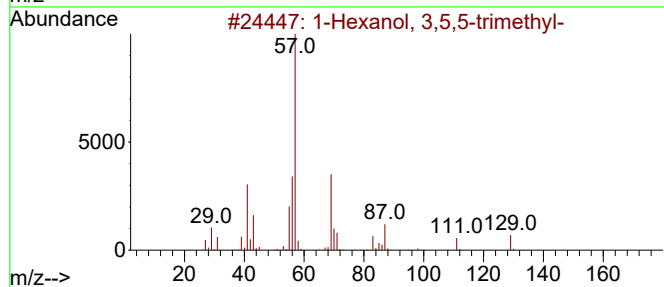
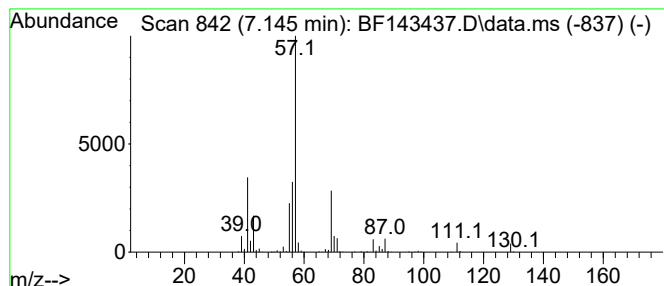
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 1-Hexanol, 3,5,5-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.145	30.65 ng	840578	1,4-Dichlorobenzene-d4	6.928

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Hexanol, 3,5,5-trimethyl-	144	C9H20O	003452-97-9	83
2			1-Butanol, 3,3-dimethyl-	102	C6H14O	000624-95-3	45
3			Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	38
4			4-Octanol, propanoate	186	C11H22O2	084782-05-8	37
5			Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	32



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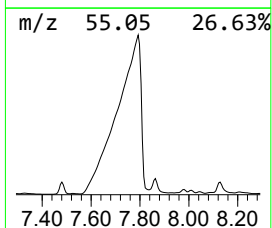
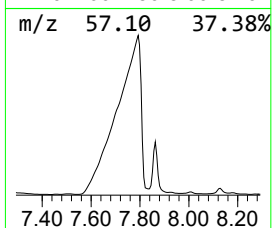
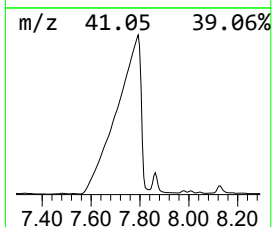
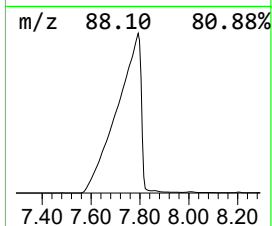
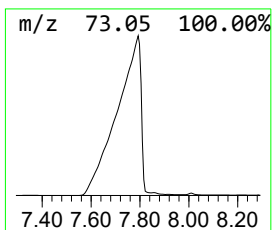
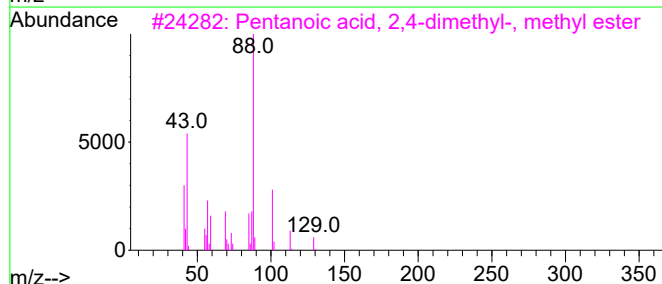
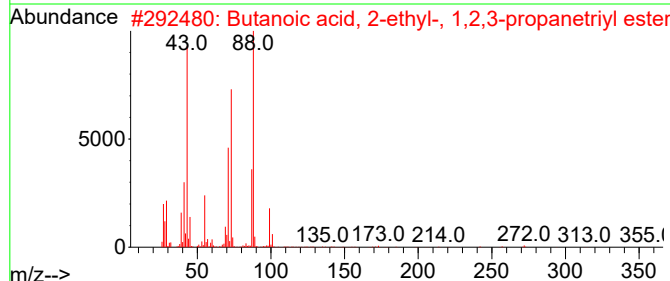
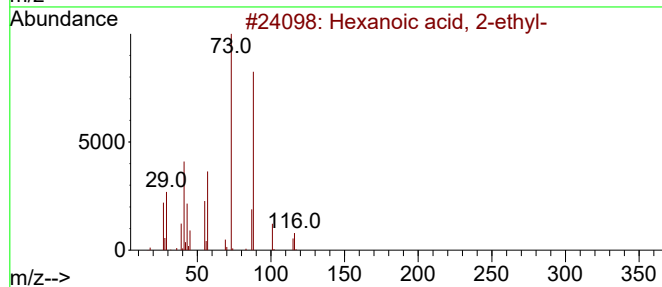
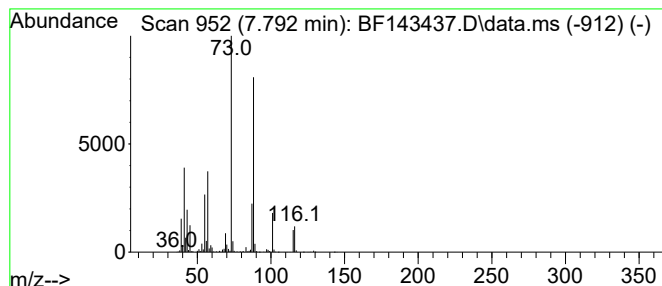
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Peak Number 4 Hexanoic acid, 2-ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.792	496.15 ng	16397800	Naphthalene-d8	8.204

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	90
2			Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	53
3			Pentanoic acid, 2,4-dimethyl-, m...	144	C8H16O2	071672-33-8	50
4			Acetic acid, diethyl-	116	C6H12O2	000088-09-5	45
5			1,4-Dioxane	88	C4H8O2	000123-91-1	43



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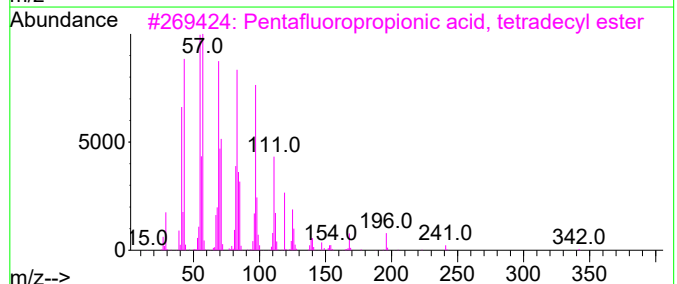
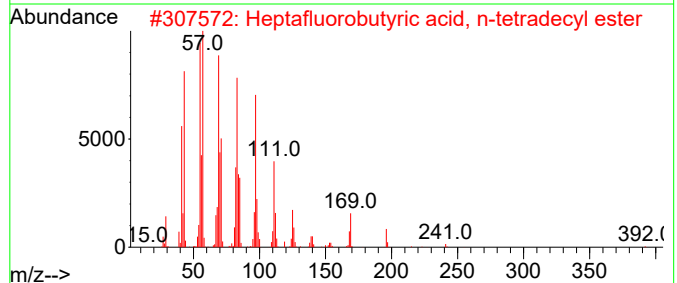
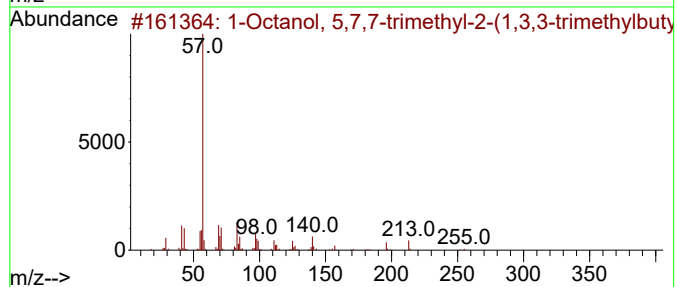
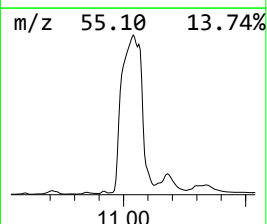
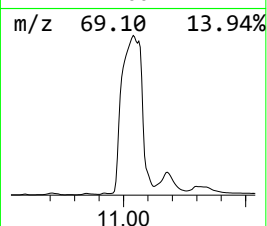
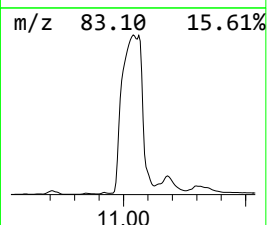
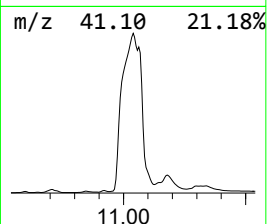
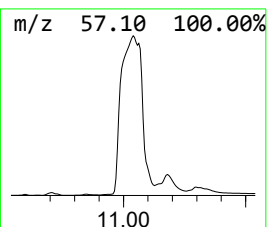
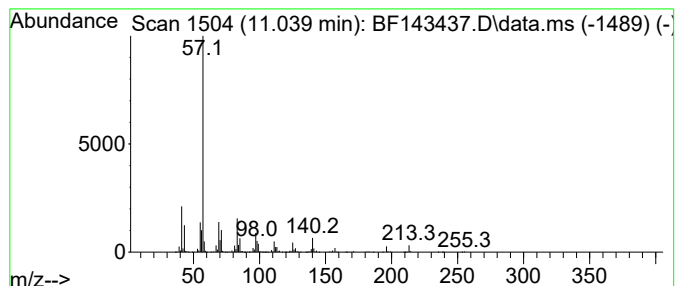
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Peak Number 5 1-Octanol, 5,7,7-trimethyl-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.039	1042.73 ng	37381100	Phenanthrene-d10	11.451

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octanol, 5,7,7-trimethyl-2-(1,...	270	C18H38O	036400-98-3	91		
2	Heptafluorobutyric acid, n-tetra...	410	C18H29F7O2	007365-36-8	53		
3	Pentafluoropropionic acid, tetra...	360	C17H29F5O2	006222-06-6	50		
4	Undecane, 5-cyclohexyl-	238	C17H34	013151-80-9	47		
5	1-Dodecanol, 3,7,11-trimethyl-	228	C15H32O	006750-34-1	47		



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EFF-WASTE WATER

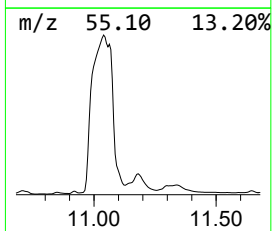
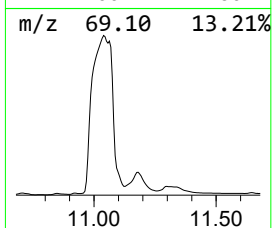
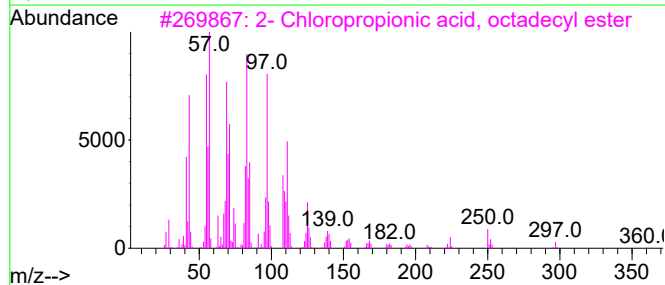
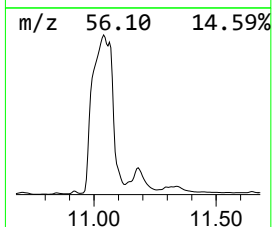
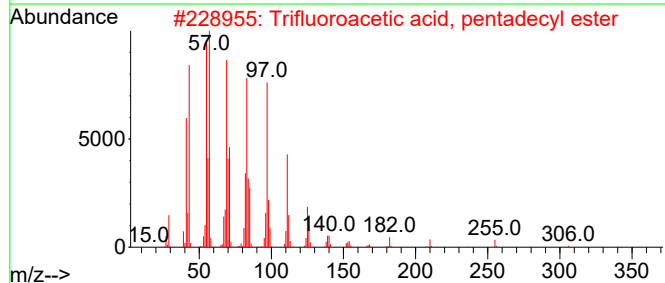
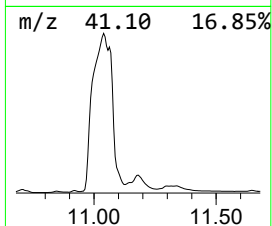
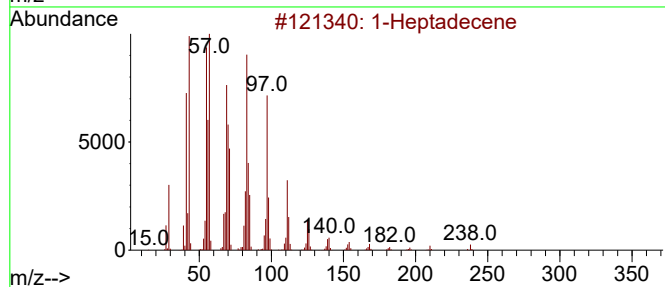
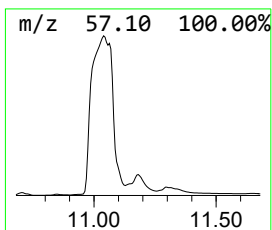
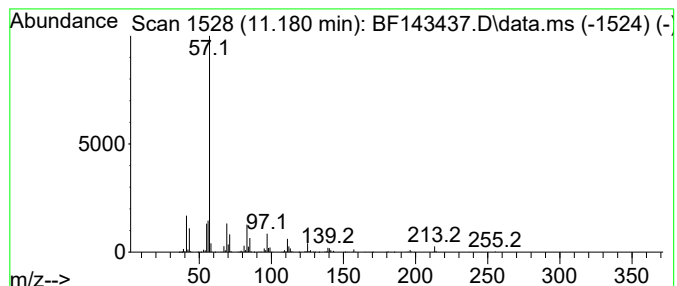
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1-Heptadecene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.181	61.57 ng	2207250	Phenanthrene-d10	11.451

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Heptadecene	238	C17H34	006765-39-5	59
2			Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	53
3			2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	53
4			Acetic acid, 3,7,11,15-tetrameth...	340	C22H44O2	1000193-63-0	53
5			Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
Data File : BF143437.D
Acq On : 18 Aug 2025 13:08
Operator : RC/JU
Sample : Q2811-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

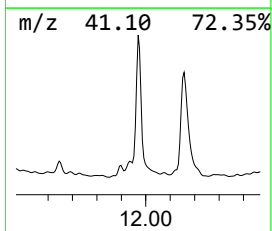
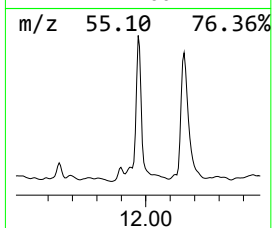
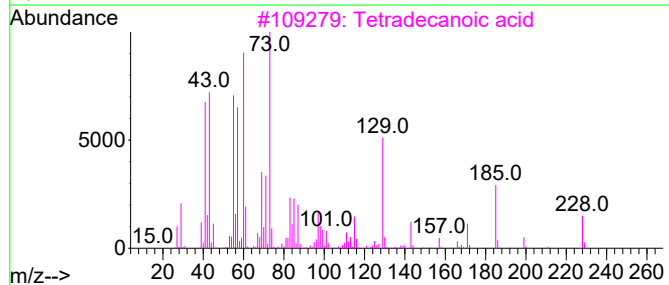
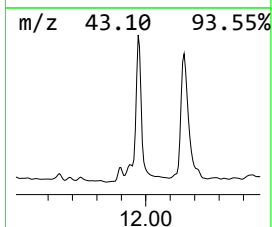
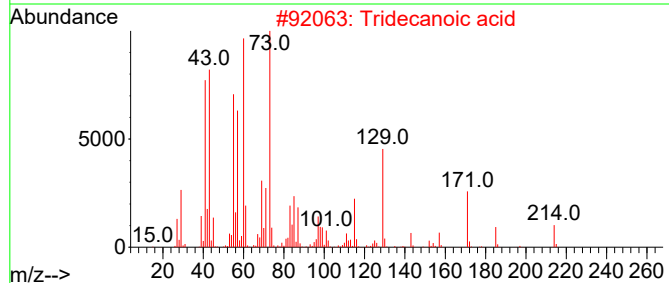
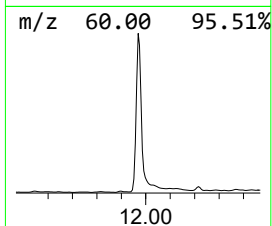
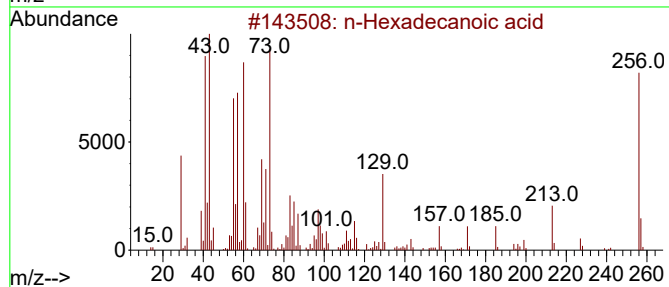
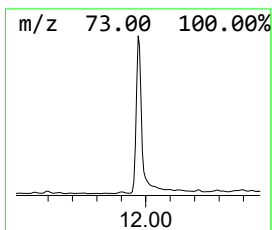
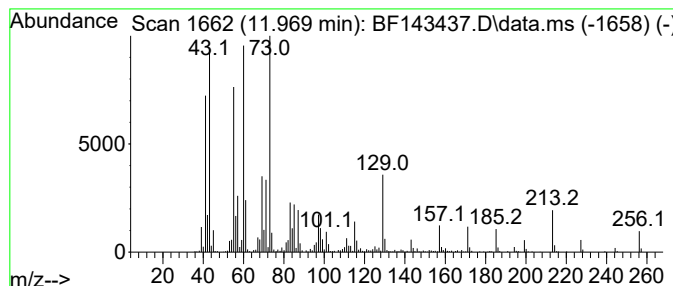
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ClientSampleId :
EFF-WASTE WATER

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 n-Hexadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.969	26.17 ng	938174	Phenanthrene-d10		11.451	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid		256	C16H32O2	000057-10-3	99
2	Tridecanoic acid		214	C13H26O2	000638-53-9	90
3	Tetradecanoic acid		228	C14H28O2	000544-63-8	83
4	Pentadecanoic acid		242	C15H30O2	001002-84-2	80
5	Undecanoic acid		186	C11H22O2	000112-37-8	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
Data File : BF143437.D
Acq On : 18 Aug 2025 13:08
Operator : RC/JU
Sample : Q2811-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EFF-WASTE WATER

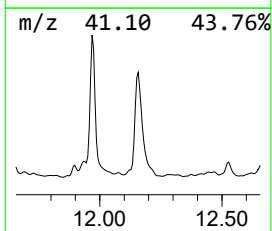
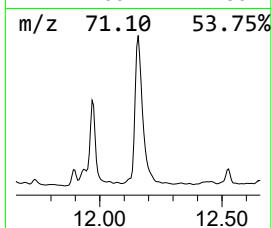
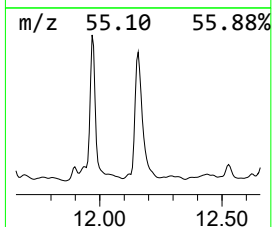
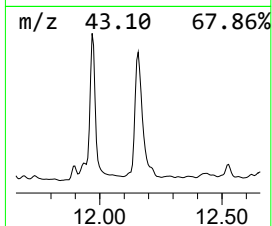
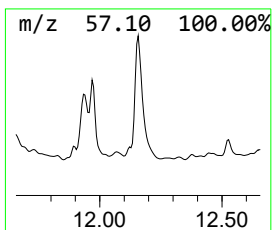
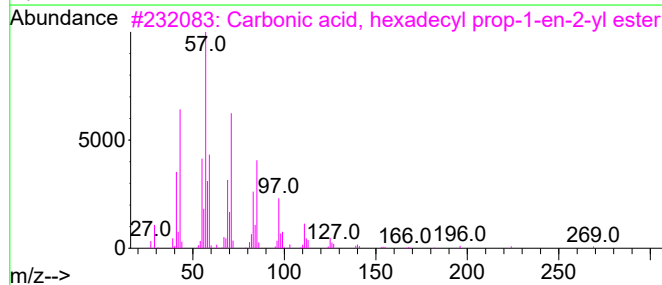
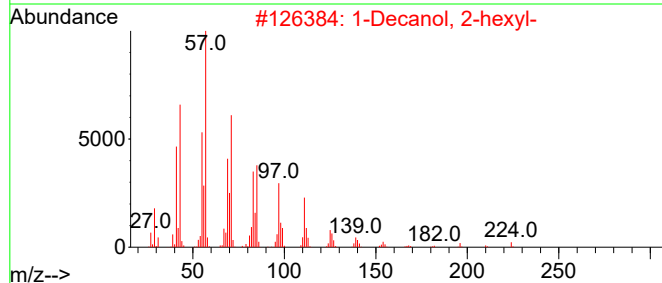
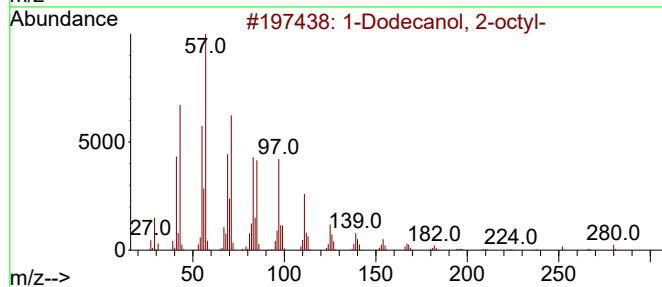
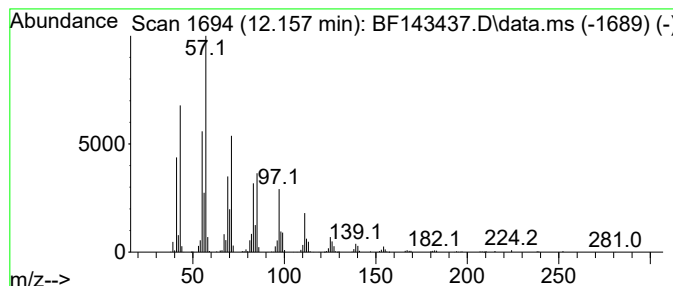
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1-Dodecanol, 2-octyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.157	29.58 ng	1060510	Phenanthrene-d10	11.451

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	91
2			1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	91
3			Carbonic acid, hexadecyl prop-1-...	326	C20H38O3	1000382-90-3	91
4			1-Dodecanol, 2-hexyl-	270	C18H38O	110225-00-8	91
5			Carbonic acid, octadecyl prop-1-...	354	C22H42O3	1000383-11-5	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
Data File : BF143437.D
Acq On : 18 Aug 2025 13:08
Operator : RC/JU
Sample : Q2811-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EFF-WASTE WATER

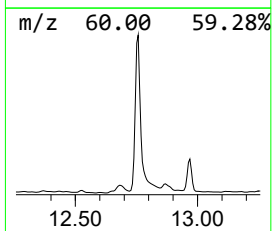
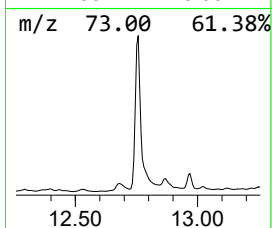
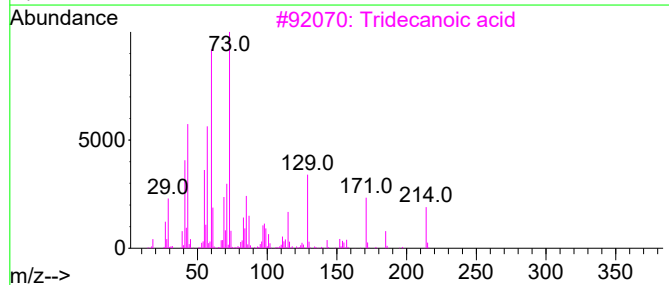
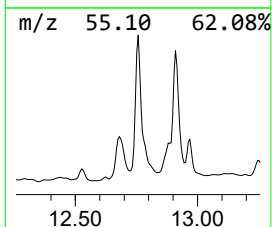
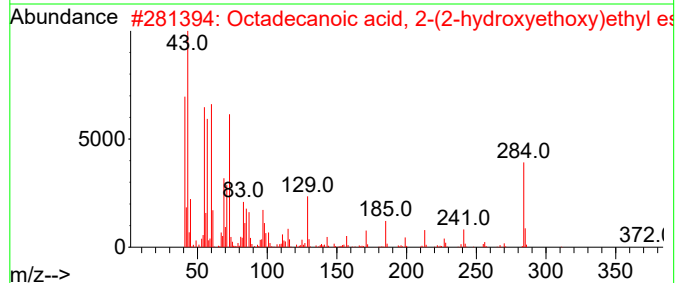
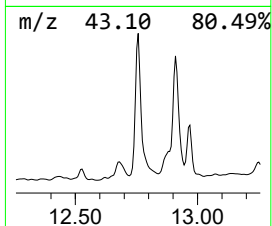
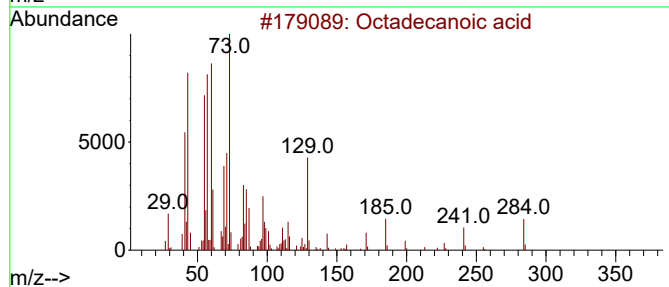
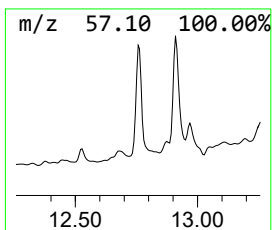
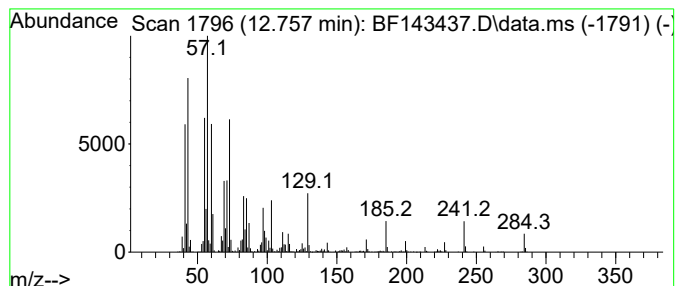
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.757	38.09 ng	1365330	Phenanthrene-d10	11.451

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	99
2			Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	62
3			Tridecanoic acid	214	C13H26O2	000638-53-9	45
4			Pentadecanoic acid	242	C15H30O2	001002-84-2	45
5			Cetene	224	C16H32	000629-73-2	44



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
Data File : BF143437.D
Acq On : 18 Aug 2025 13:08
Operator : RC/JU
Sample : Q2811-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
EFF-WASTE WATER

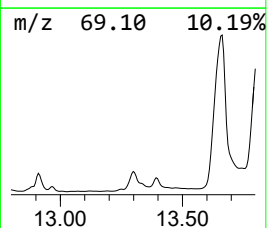
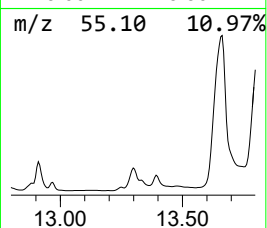
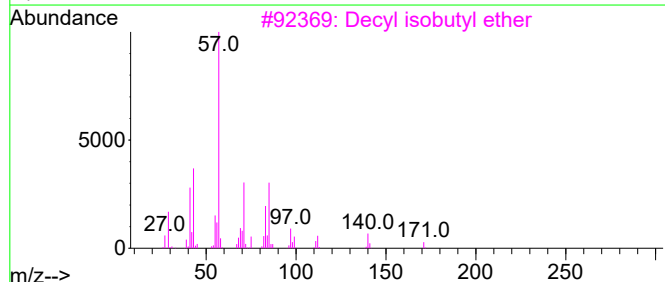
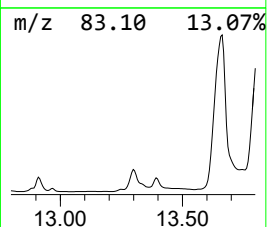
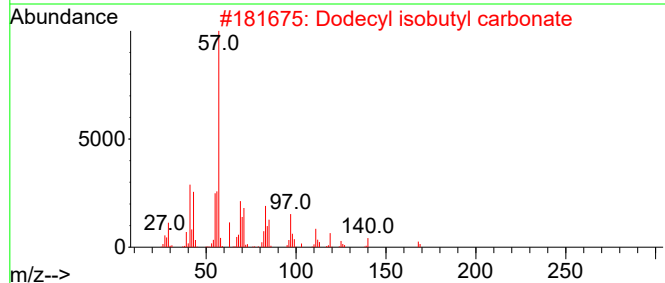
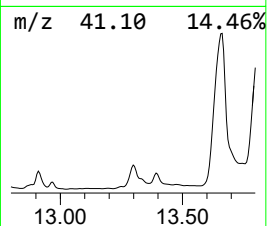
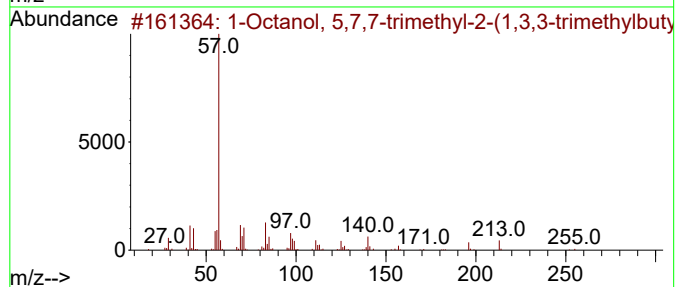
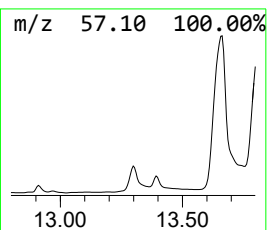
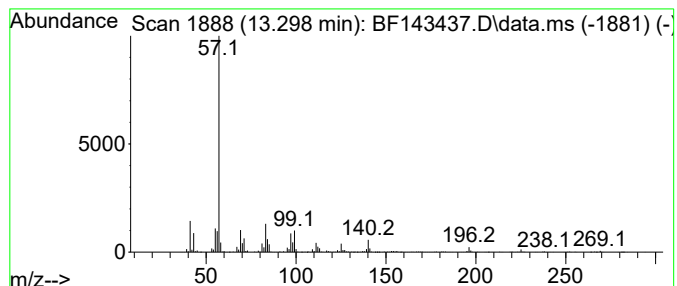
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Dodecyl isobutyl carbonate Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.298	2.56 ng	1766300	Chrysene-d12	14.086

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octanol, 5,7,7-trimethyl-2-(1,...			270	C18H38O	036400-98-3	64
2	Dodecyl isobutyl carbonate			286	C17H34O3	959067-22-2	59
3	Decyl isobutyl ether			214	C14H30O	1010406-32-5	53
4	1-Heptadecene			238	C17H34	006765-39-5	49
5	Trifluoroacetic acid, pentadecyl...			324	C17H31F3O2	959010-23-2	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
Data File : BF143437.D
Acq On : 18 Aug 2025 13:08
Operator : RC/JU
Sample : Q2811-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EFF-WASTE WATER

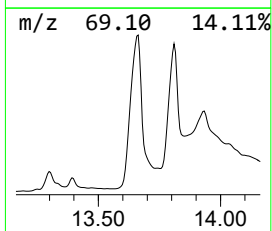
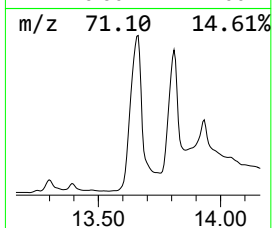
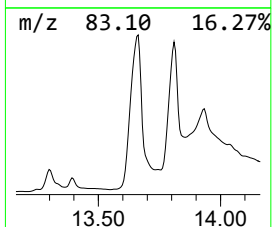
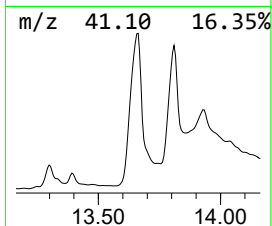
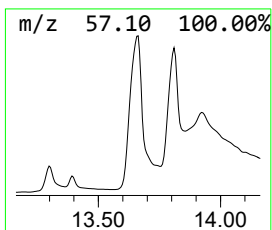
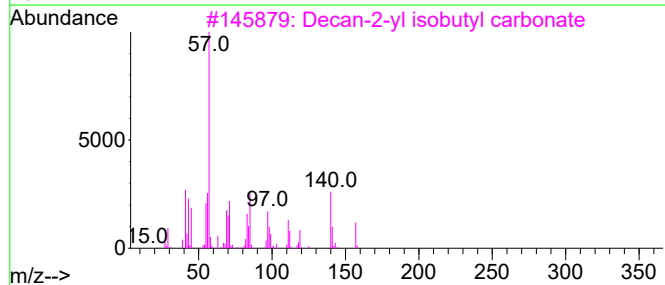
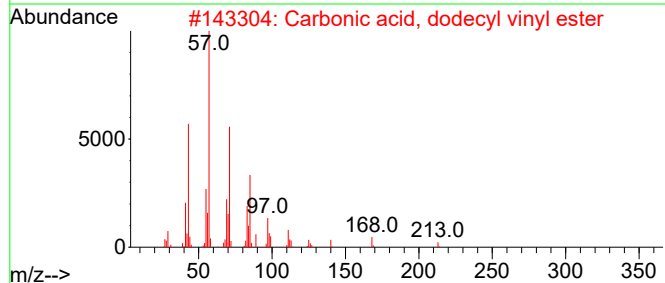
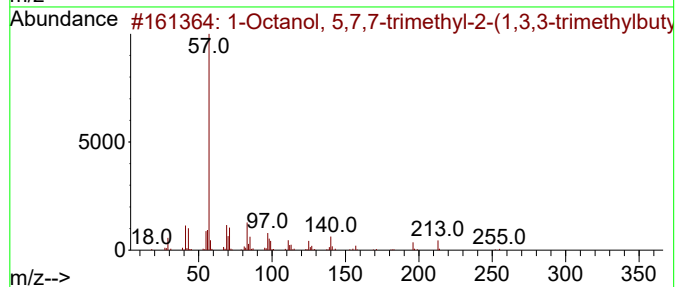
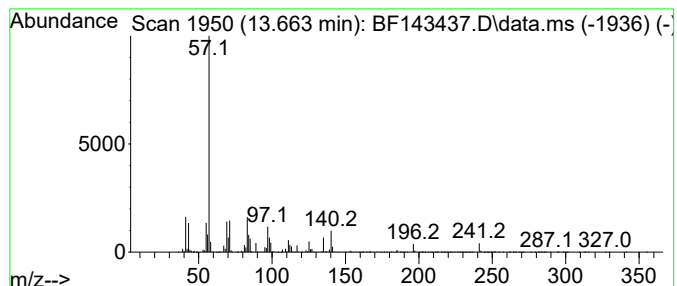
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Carbonic acid, dodecyl vinyl... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.663	31.78 ng	21919800	Chrysene-d12	14.086

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octanol, 5,7,7-trimethyl-2-(1,...	270	C18H38O	036400-98-3	80		
2	Carbonic acid, dodecyl vinyl ester	256	C15H28O3	1000382-54-8	53		
3	Decan-2-yl isobutyl carbonate	258	C15H30O3	1000372-79-5	53		
4	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	43		
5	2- Bromopropionic acid, tetradec...	348	C17H33BrO2	086711-82-2	38		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
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Operator : RC/JU
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Misc :
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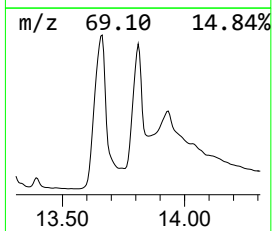
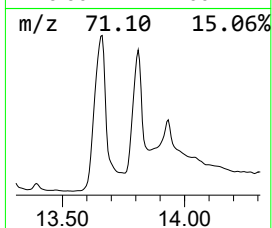
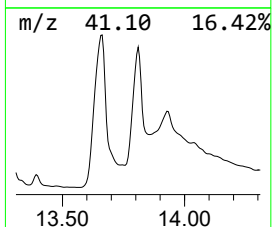
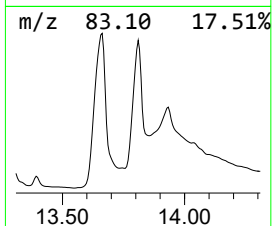
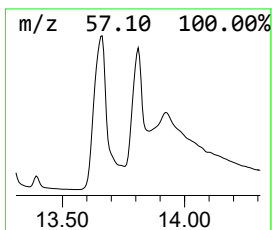
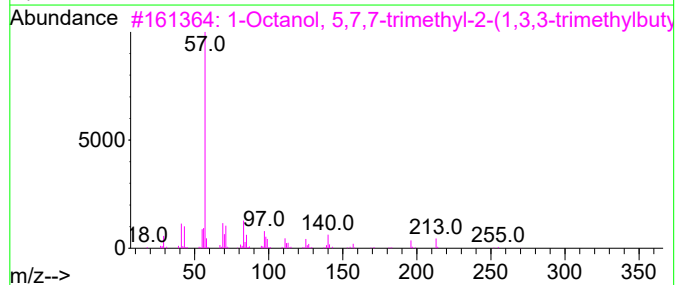
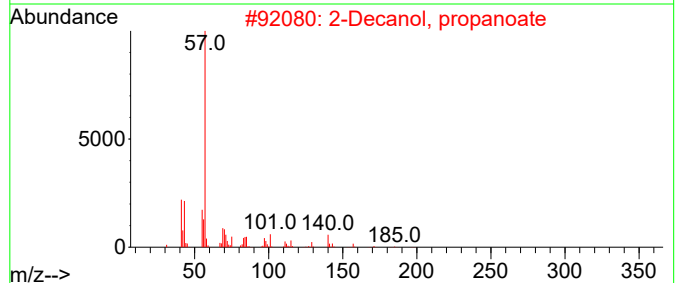
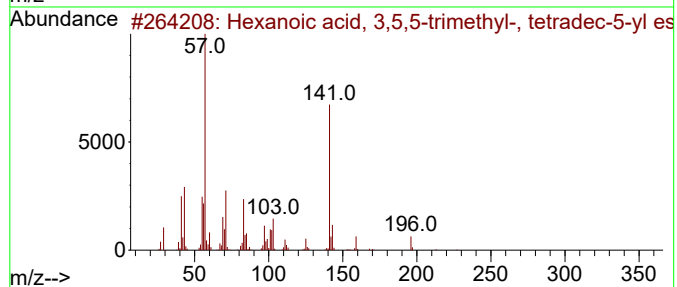
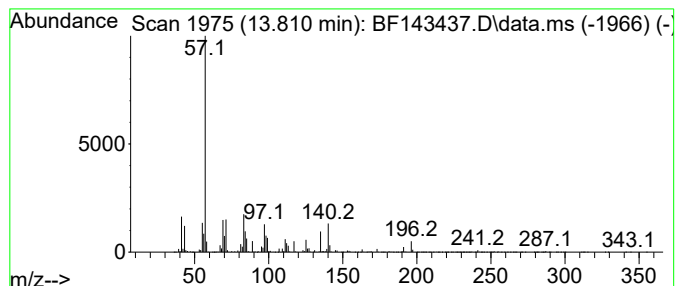
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ClientSampleId :
EFF-WASTE WATER

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Hexanoic acid, 3,5,5-trimet... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.810	20.00 ng	13793900	Chrysene-d12	14.086	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 3,5,5-trimethyl-,...	354	C23H46O2	1000406-26-9	50
2	2-Decanol, propanoate	214	C13H26O2	055683-11-9	50
3	1-Octanol, 5,7,7-trimethyl-2-(1,...	270	C18H38O	036400-98-3	46
4	Acetic acid, chloro-, octadecyl ...	346	C20H39ClO2	005348-82-3	43
5	Dodecyl isobutyl ether	242	C16H34O	1000406-32-6	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
Data File : BF143437.D
Acq On : 18 Aug 2025 13:08
Operator : RC/JU
Sample : Q2811-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EFF-WASTE WATER

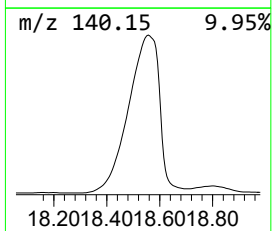
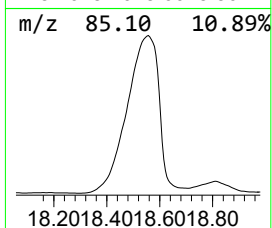
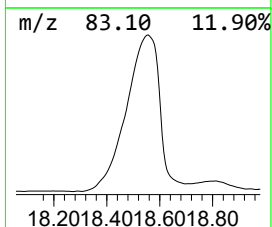
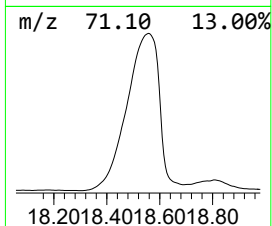
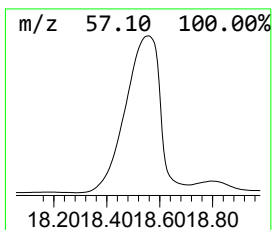
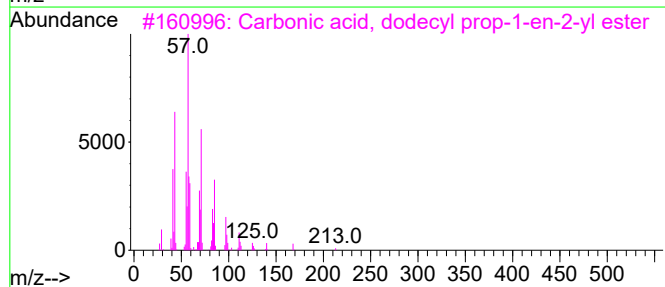
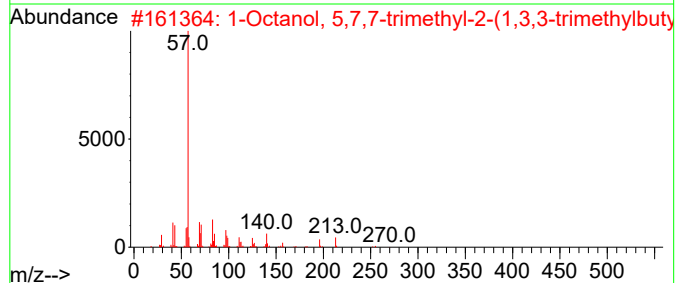
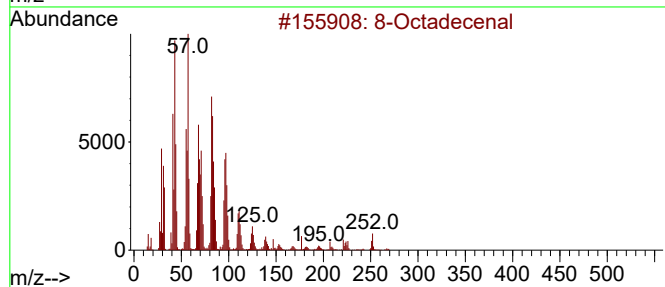
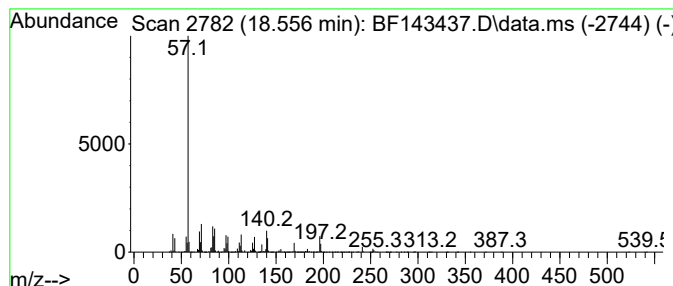
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 8-Octadecenal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.557	1094.40 ng	45186600	Perylene-d12	15.574

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			8-Octadecenal	266	C18H34O	056554-94-0	56
2			1-Octanol, 5,7,7-trimethyl-2-(1,...	270	C18H38O	036400-98-3	43
3			Carbonic acid, dodecyl prop-1-en...	270	C16H30O3	1000382-90-7	43
4			Carbonic acid, decyl dodecyl ester	370	C23H46O3	1000383-16-1	38
5			Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
Data File : BF143437.D
Acq On : 18 Aug 2025 13:08
Operator : RC/JU
Sample : Q2811-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EFF-WASTE WATER

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.234	125.9	ng	3453980	1	6.928	548573	20.0
1-Hexanol, 2-et...	6.992	134.0	ng	3675120	1	6.928	548573	20.0
1-Hexanol, 3,5,...	7.145	30.6	ng	840578	1	6.928	548573	20.0
Hexanoic acid, ...	7.792	496.1	ng	16397800	2	8.204	660999	20.0
1-Octanol, 5,7,...	11.039	1042.7	ng	37381100	4	11.451	716985	20.0
1-Heptadecene	11.181	61.6	ng	2207250	4	11.451	716985	20.0
n-Hexadecanoic ...	11.969	26.2	ng	938174	4	11.451	716985	20.0
1-Dodecanol, 2-...	12.157	29.6	ng	1060510	4	11.451	716985	20.0
Octadecanoic acid	12.757	38.1	ng	1365330	4	11.451	716985	20.0
Dodecyl isobuty...	13.298	2.6	ng	1766300	5	14.086	13793900	20.0
Carbonic acid, ...	13.663	31.8	ng	21919800	5	14.086	13793900	20.0
Hexanoic acid, ...	13.810	20.0	ng	13793900	5	14.086	13793900	20.0
8-Octadecenal	18.557	1094.4	ng	45186600	6	15.574	825780	20.0