

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051820\
 Data File : BF120351.D
 Acq On : 18 May 2020 19:33
 Operator : MA/SJ
 Sample : L2506-08 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-051520

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

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-BF051420.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.210	528	531	548	rBV	2702635	3092692	10.25%	3.051%
2	6.257	705	709	724	rBV	2732404	3015857	9.99%	2.976%
3	6.598	764	767	786	rBV	1307495	1605441	5.32%	1.584%
4	6.751	789	793	811	rBV	2302591	2622486	8.69%	2.587%
5	7.169	860	864	877	rBV	1687424	1904473	6.31%	1.879%
6	7.886	982	986	1006	rBV	1889837	2043011	6.77%	2.016%
7	8.963	1164	1169	1179	rBV	3487478	3481901	11.54%	3.435%
8	9.363	1234	1237	1241	rVB	488892	381491	1.26%	0.376%
9	9.639	1278	1284	1288	rBV	2555538	2398396	7.95%	2.366%
10	10.427	1414	1418	1430	rVB	1987798	2039455	6.76%	2.012%
11	11.121	1532	1536	1538	rBV	2601993	2344345	7.77%	2.313%
12	11.145	1538	1540	1544	rVV	883121	818687	2.71%	0.808%
13	11.533	1601	1606	1609	rBV	10101186	9917512	32.86%	9.785%
14	11.674	1624	1630	1637	rBV2	1380731	1836577	6.08%	1.812%
15	11.833	1651	1657	1665	rBV6	158247	377048	1.25%	0.372%
16	12.233	1716	1725	1727	rBV	14376567	30185155	100.00%	29.782%
17	12.257	1727	1729	1733	rVB2	13733747	13123192	43.48%	12.948%
18	12.292	1733	1735	1737	rVB	492268	397439	1.32%	0.392%
19	12.321	1737	1740	1744	rBV2	5593218	5636980	18.67%	5.562%
20	12.357	1744	1746	1748	rBV	1160192	1060304	3.51%	1.046%
21	12.451	1759	1762	1766	rBV	450488	363578	1.20%	0.359%
22	12.563	1775	1781	1784	rBV	1077173	1244871	4.12%	1.228%
23	12.710	1800	1806	1814	rVB	3530772	3421200	11.33%	3.376%
24	12.892	1831	1837	1840	rBV	233447	364225	1.21%	0.359%
25	12.962	1844	1849	1852	rBV3	453627	567146	1.88%	0.560%
26	13.039	1859	1862	1866	rBV	428188	417889	1.38%	0.412%
27	13.609	1956	1959	1966	rVB3	502730	627036	2.08%	0.619%
28	13.757	1979	1984	1987	rBV2	1574198	1916600	6.35%	1.891%
29	14.245	2063	2067	2072	rBV3	351290	504727	1.67%	0.498%
30	14.533	2113	2116	2124	rVB2	200362	339226	1.12%	0.335%
31	14.756	2151	2154	2164	rVB	407017	727861	2.41%	0.718%
32	15.086	2207	2210	2215	rVB	379553	440423	1.46%	0.435%
33	15.139	2215	2219	2223	rBV	1153872	1461969	4.84%	1.442%
34	18.750	2828	2833	2842	rVB5	250232	674286	2.23%	0.665%

LSC Area Percent Report

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ClientSampleId :
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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-BF051420.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

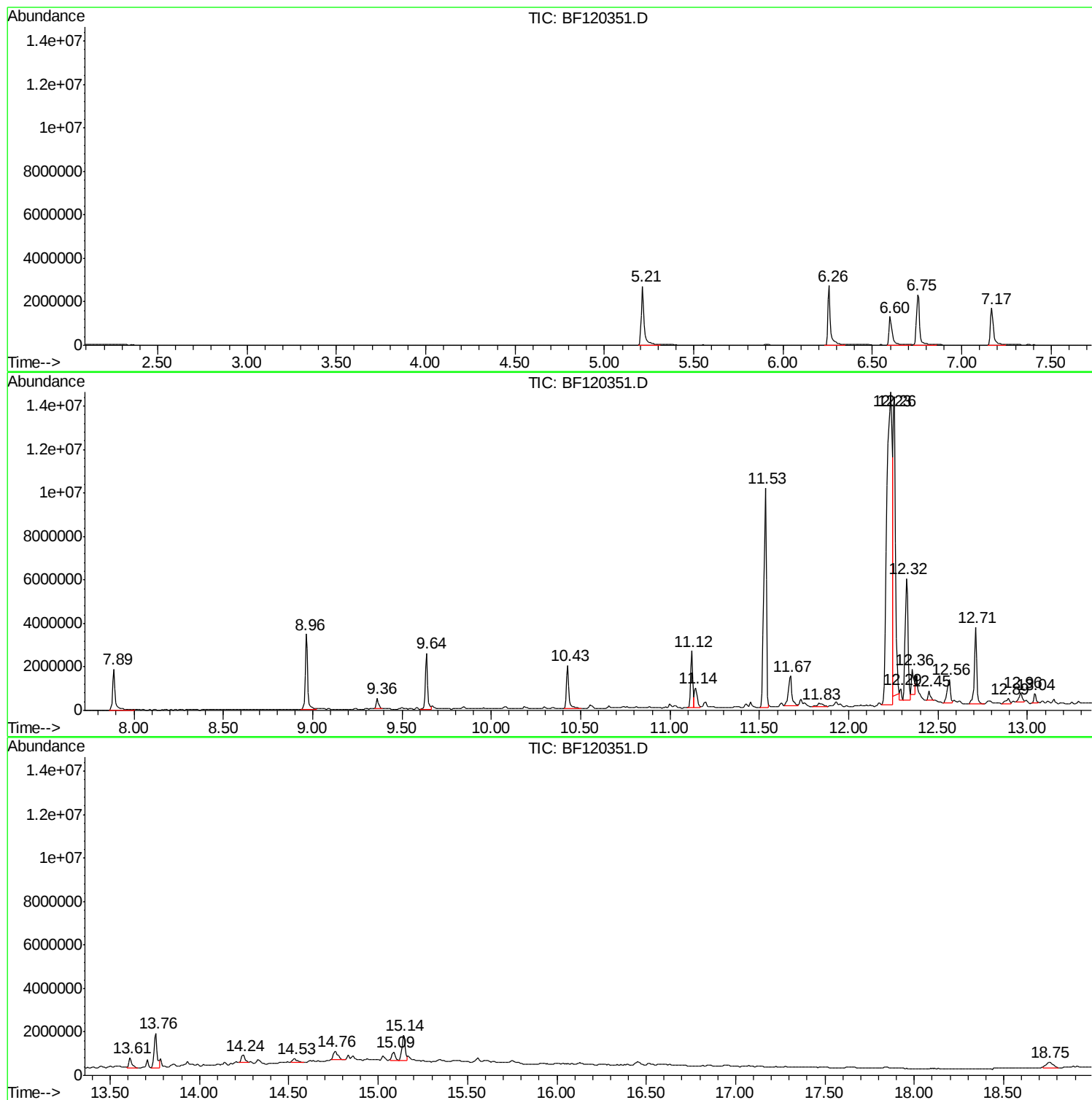
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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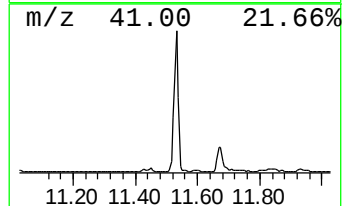
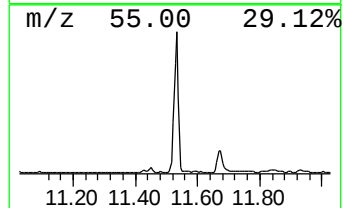
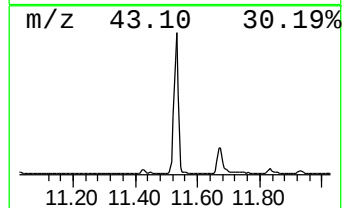
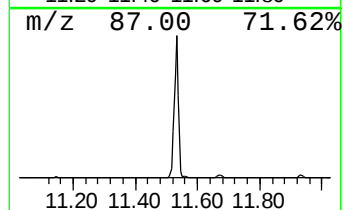
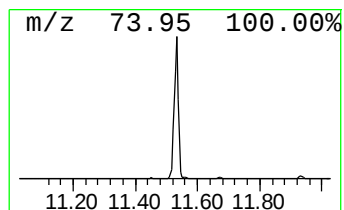
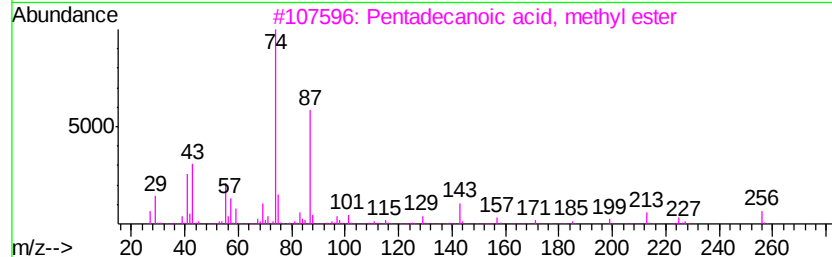
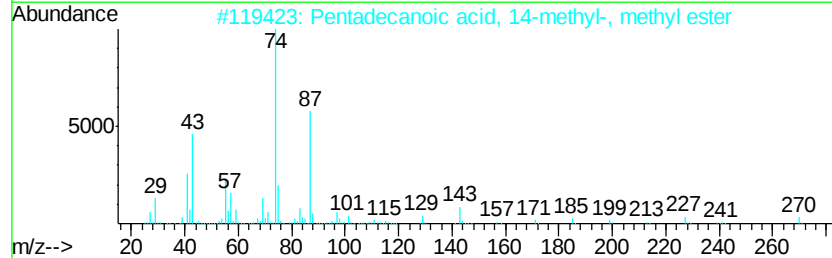
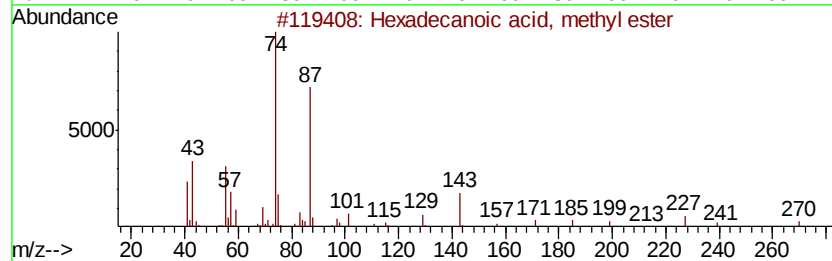
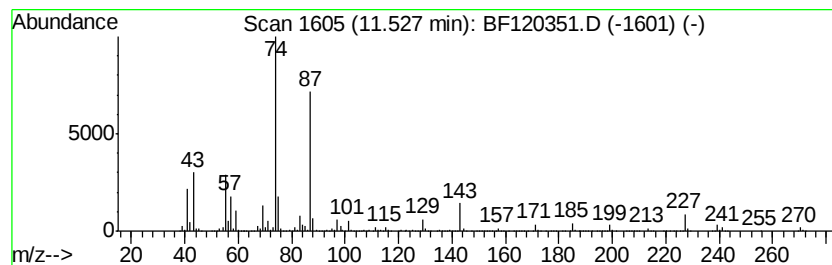
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.53	84.61 ng	9917510	Phenanthrene-d10	11.12	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	92
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
4	Methyl tetradecanoate	242	C15H30O2	000124-10-7	80
5	Methyl 11-methyl-dodecanoate	228	C14H28O2	1000336-45-1	80



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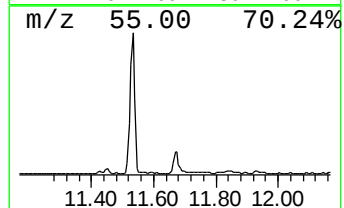
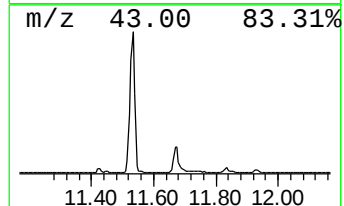
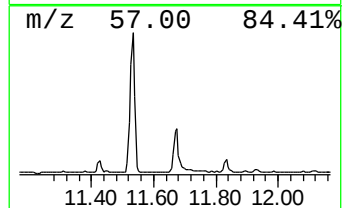
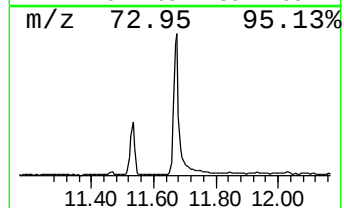
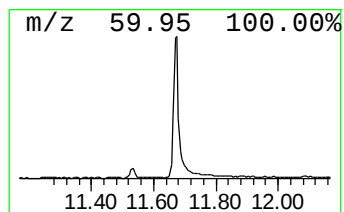
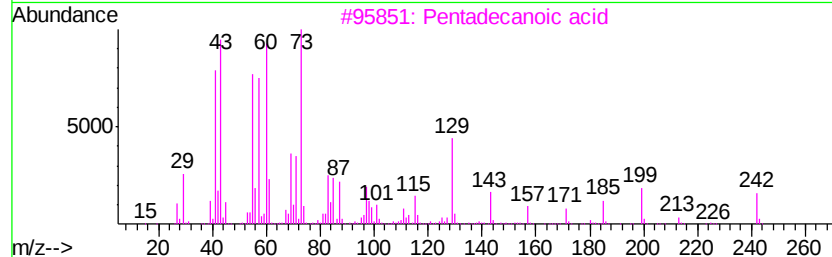
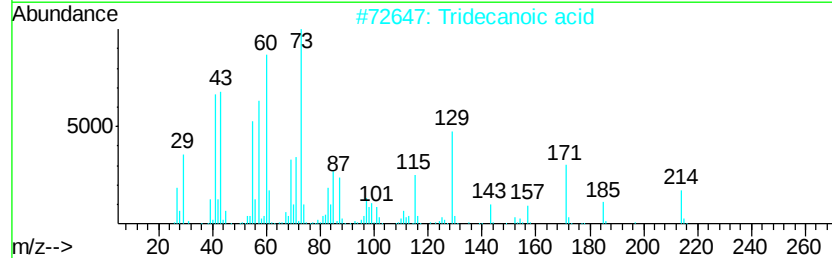
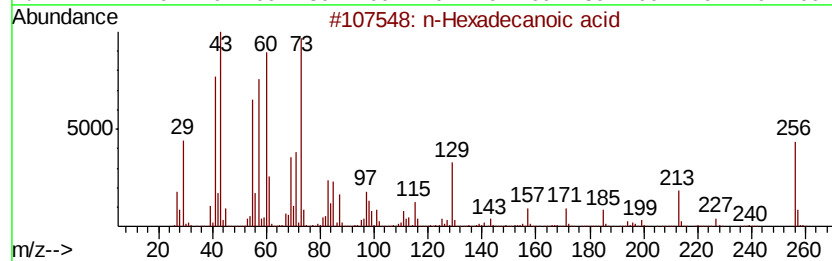
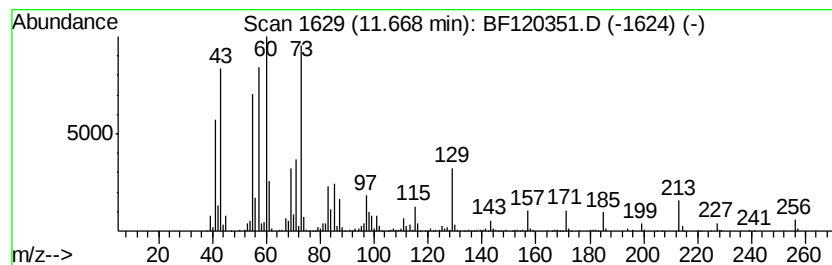
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	15.67 ng	1836580	Phenanthrene-d10	11.12

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2		Tridecanoic acid	214	C13H26O2	000638-53-9	91
3		Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5		n-Decanoic acid	172	C10H20O2	000334-48-5	60



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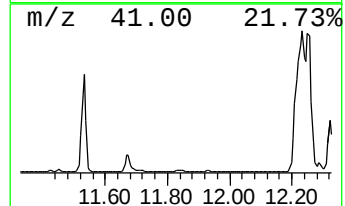
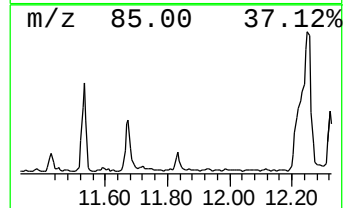
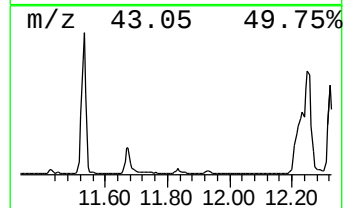
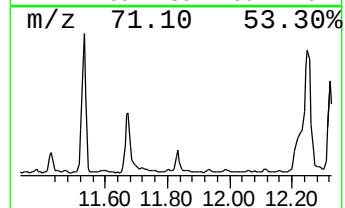
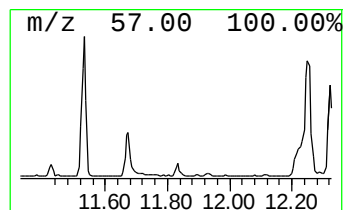
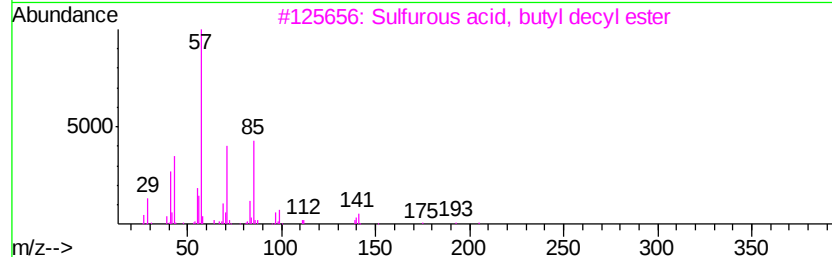
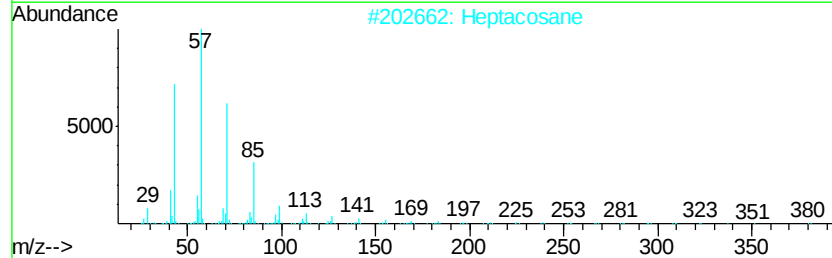
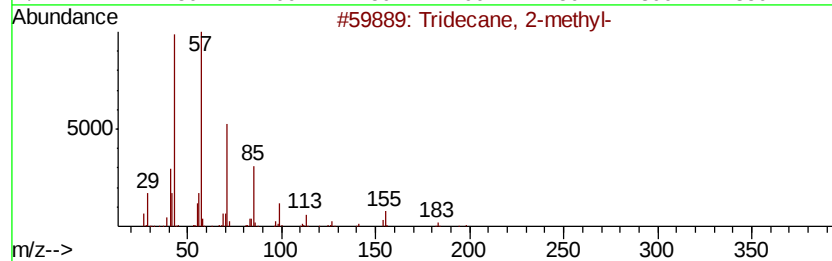
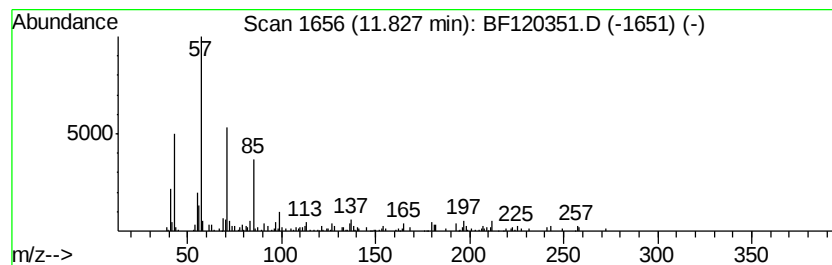
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Tridecane, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.83	3.22 ng	377048	Phenanthrene-d10	11.12	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 2-methyl-	198	C14H30	001560-96-9	72
2	Heptacosane	380	C27H56	000593-49-7	72
3	Sulfurous acid, butyl decyl ester	278	C14H30O3S	1000309-17-7	64
4	Hexadecane, 3-methyl-	240	C17H36	006418-43-5	64
5	Undecane, 3,9-dimethyl-	184	C13H28	017301-31-4	64



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Instrument :
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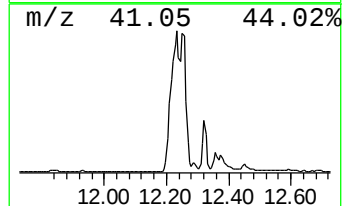
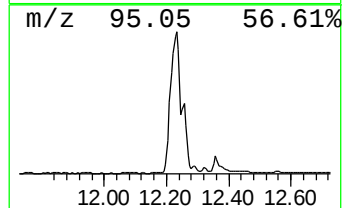
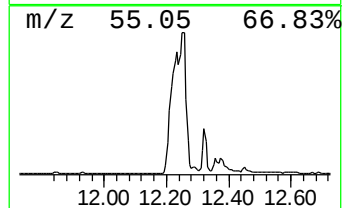
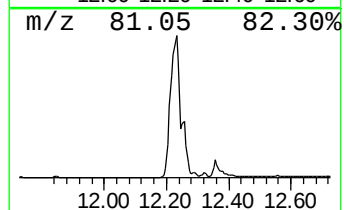
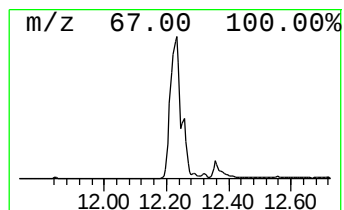
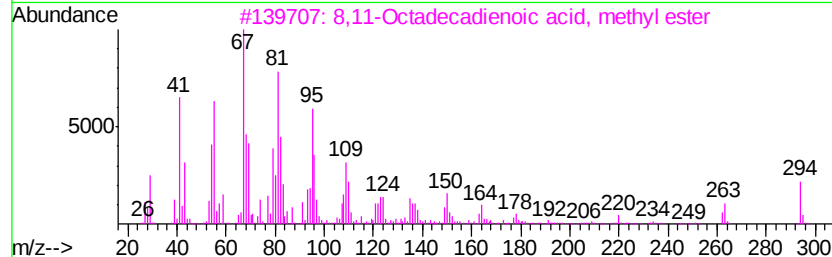
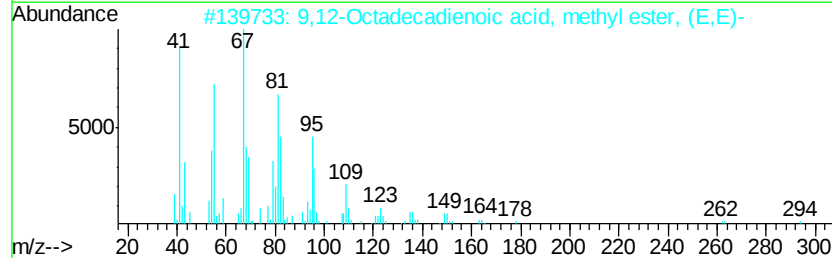
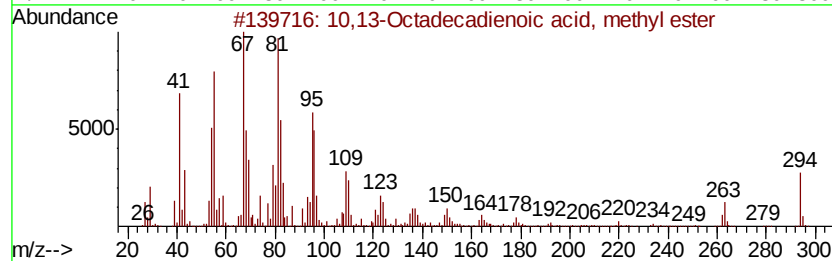
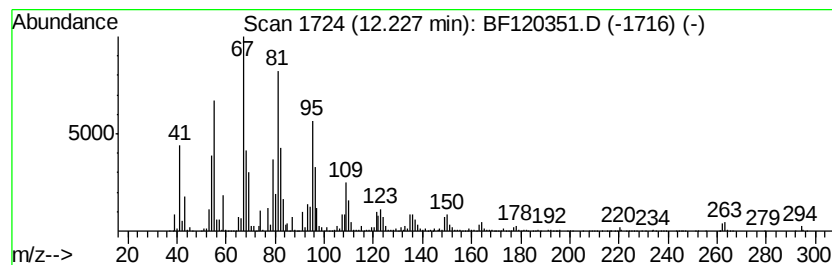
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 10,13-Octadecadienoic acid,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	257.52 ng	30185200	Phenanthrene-d10	11.12

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
2		9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
3		8,11-Octadecadienoic acid, methv...	294	C19H34O2	056599-58-7	99
4		9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
5		9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99



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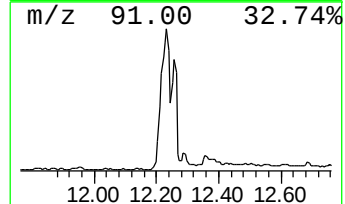
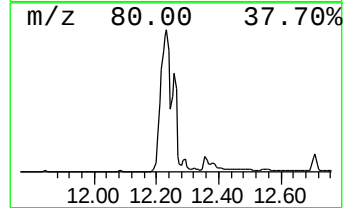
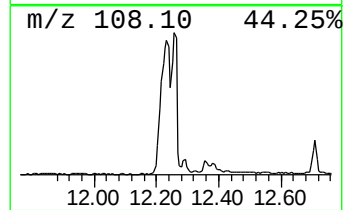
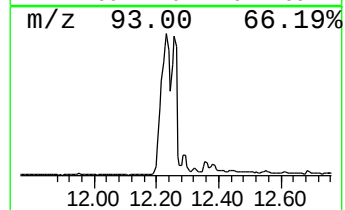
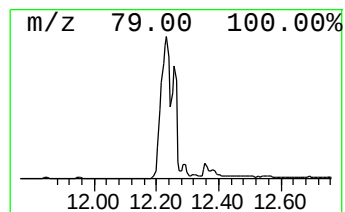
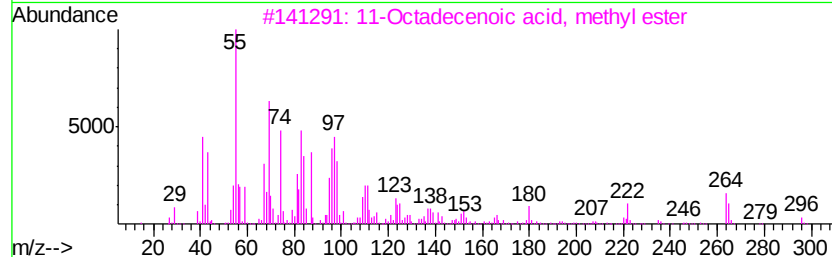
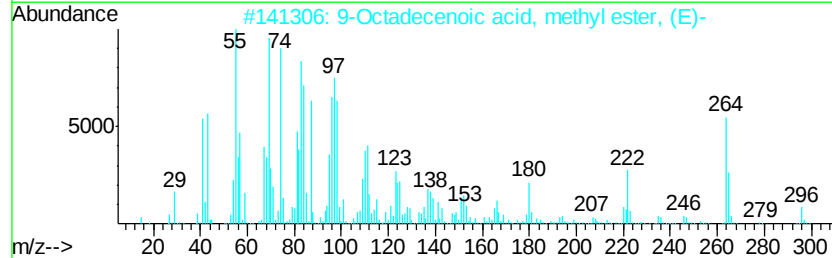
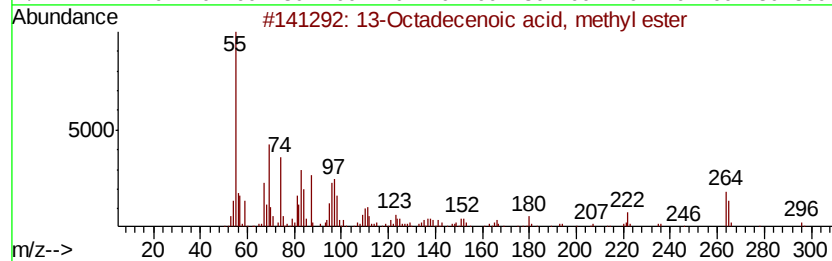
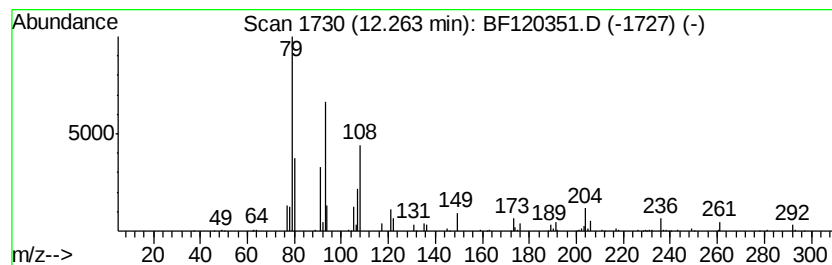
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Peak Number 6 13-Octadecenoic acid, methyl ester Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	111.96 ng	13123200	Phenanthrene-d10	11.12

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	96
2		9-Octadecenoic acid, methyl ester...	296	C19H36O2	001937-62-8	93
3		11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	92
4		9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	91
5		9,12,15-Octadecatrienoic acid, m...	292	C19H32O2	000301-00-8	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051820\
Data File : BF120351.D
Acq On : 18 May 2020 19:33
Operator : MA/SJ
Sample : L2506-08 2X
Misc :
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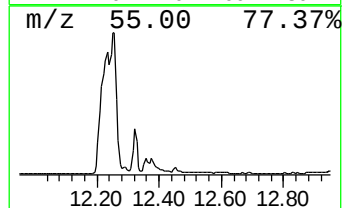
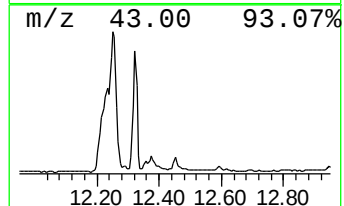
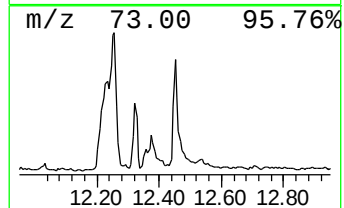
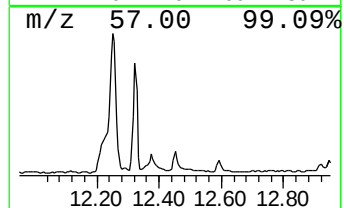
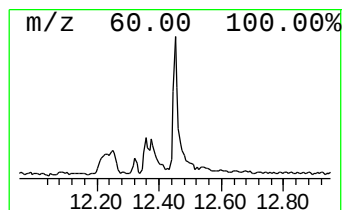
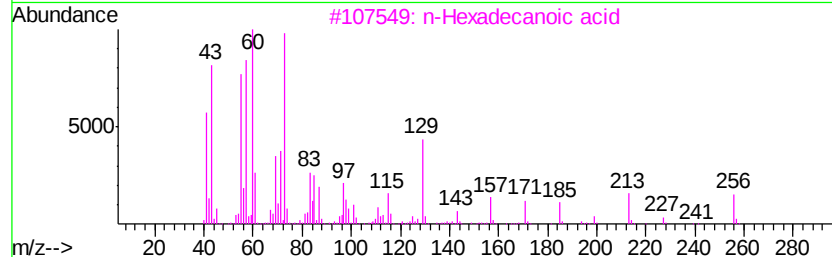
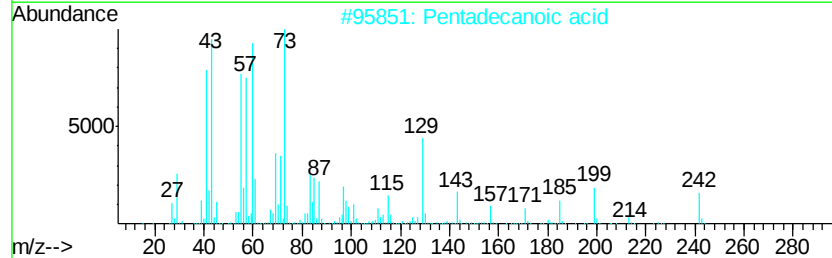
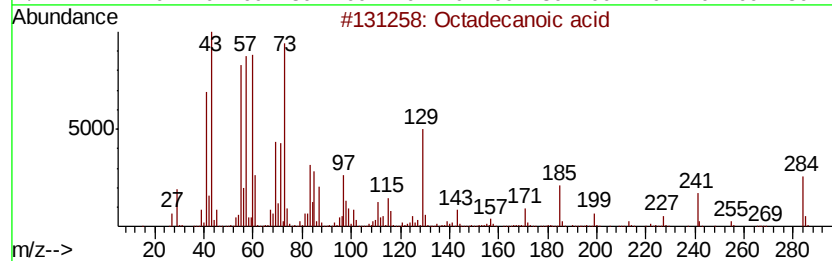
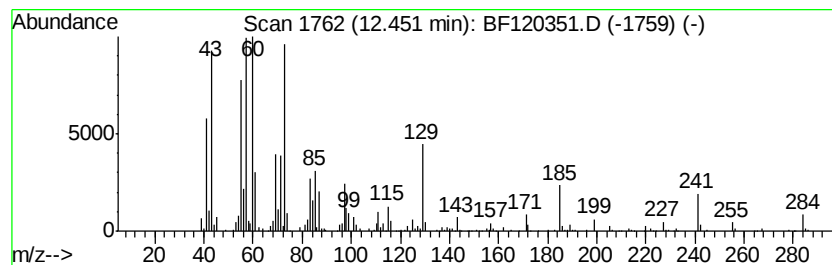
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Octadecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.45	3.79 ng	363578	Chrysene-d12		13.76
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	95
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5	Tridecanoic acid	214	C13H26O2	000638-53-9	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051820\
Data File : BF120351.D
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Operator : MA/SJ
Sample : L2506-08 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

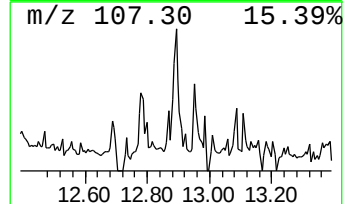
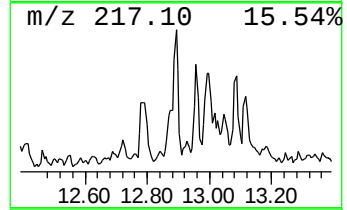
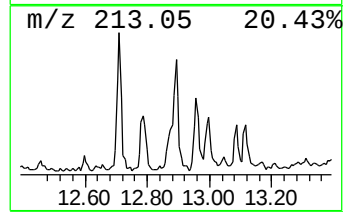
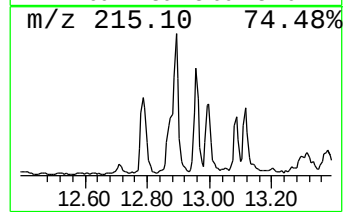
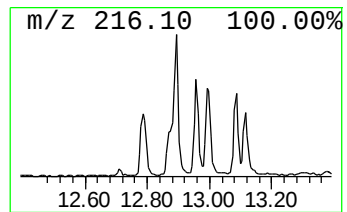
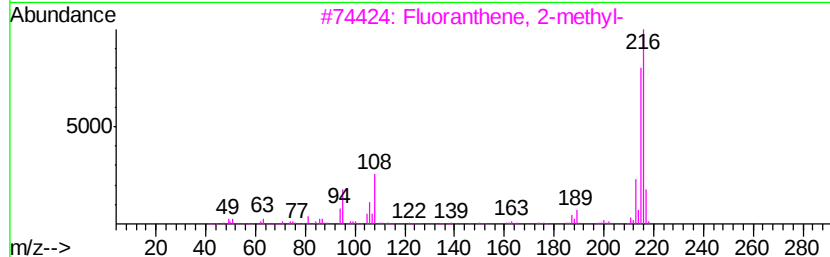
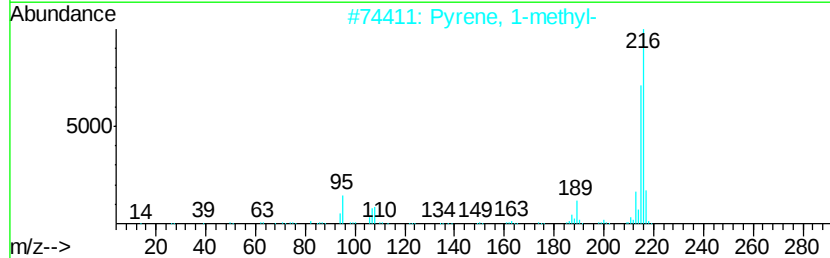
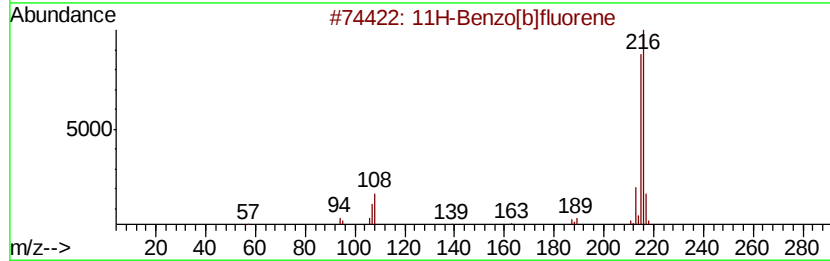
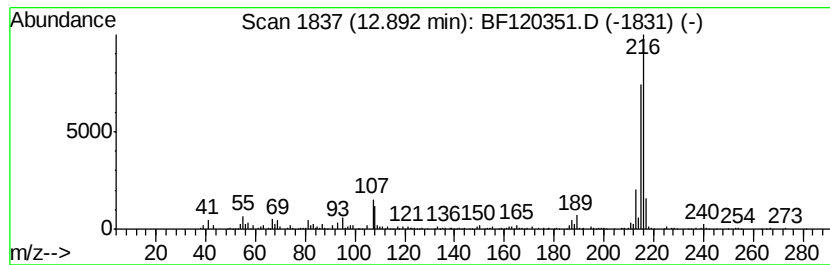
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.89	3.80 ng	364225	Chrysene-d12	13.76		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4		Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051820\
Data File : BF120351.D
Acq On : 18 May 2020 19:33
Operator : MA/SJ
Sample : L2506-08 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

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TR-05-051520

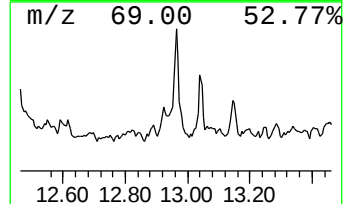
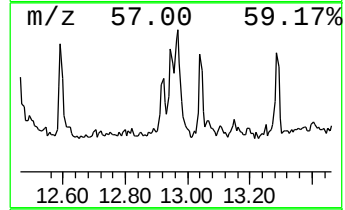
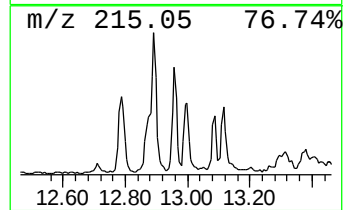
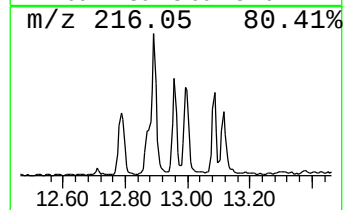
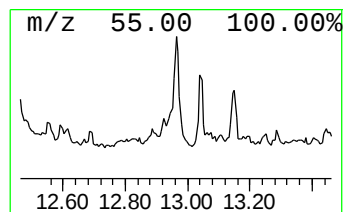
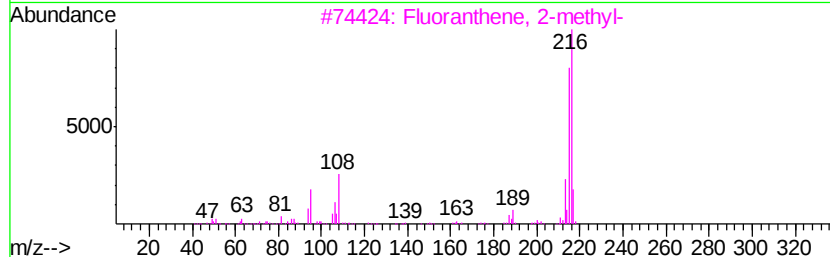
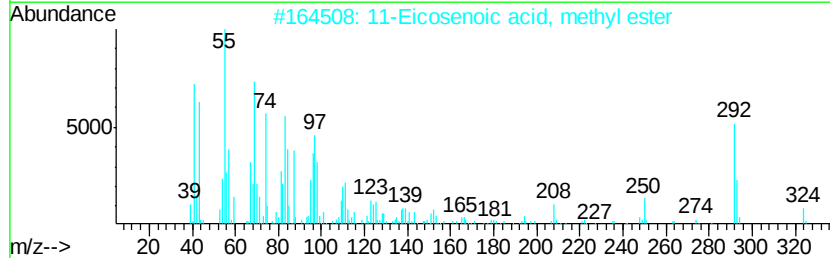
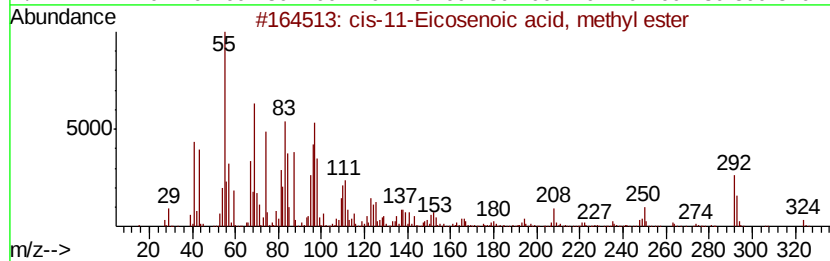
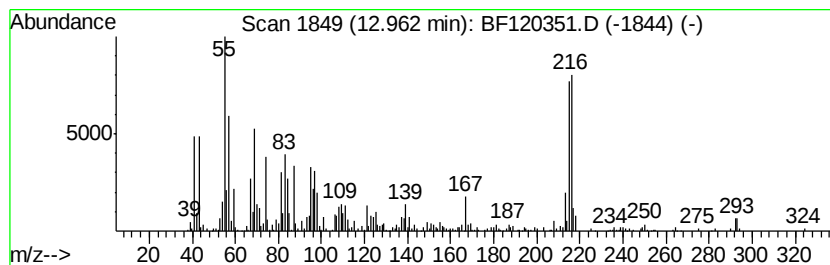
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 cis-11-Eicosenoic acid, met... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	5.92 ng	567146	Chrysene-d12	13.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	cis-11-Eicosenoic acid, methyl e...	324	C21H40O2	1000333-63-8	95
2		11-Eicosenoic acid, methyl ester	324	C21H40O2	003946-08-5	86
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
4		Methyl 9-eicosenoate	324	C21H40O2	1000336-50-5	55
5		12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051820\
Data File : BF120351.D
Acq On : 18 May 2020 19:33
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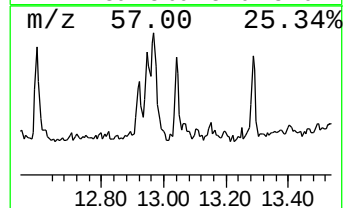
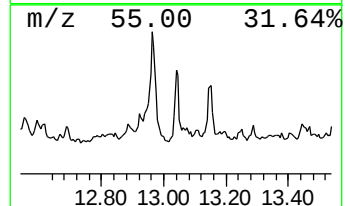
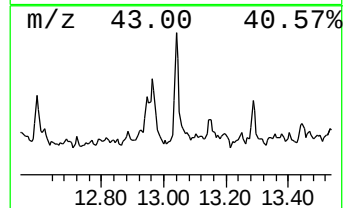
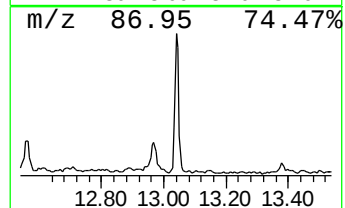
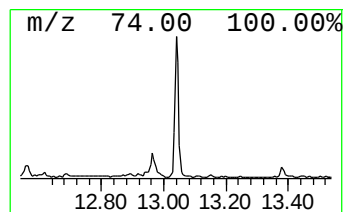
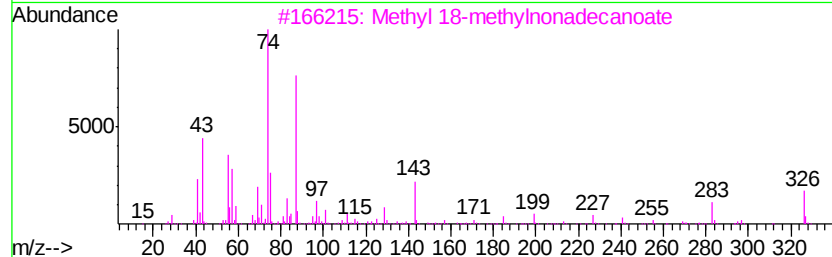
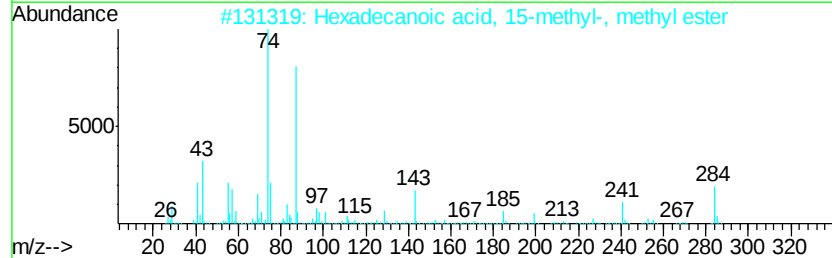
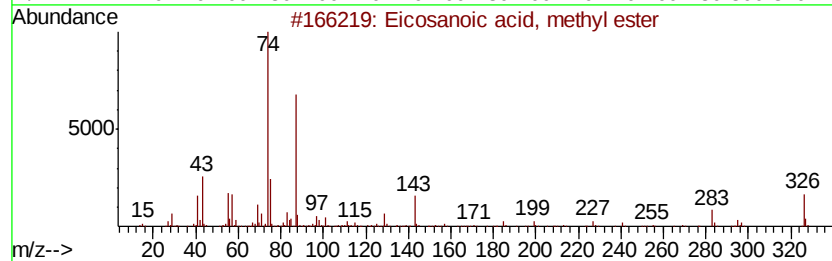
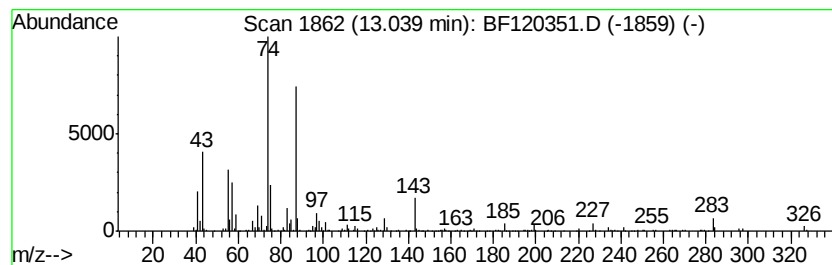
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Eicosanoic acid, methyl ester Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	4.36 ng	417889	Chrysene-d12	13.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosanoic acid, methyl ester	326	C21H42O2	001120-28-1	97
2		Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	95
3		Methyl 18-methylnonadecanoate	326	C21H42O2	1000352-20-6	90
4		Nonadecanoic acid, methyl ester	312	C20H40O2	001731-94-8	90
5		Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051820\
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Sample : L2506-08 2X
Misc :
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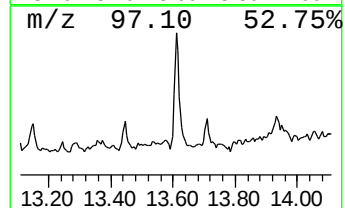
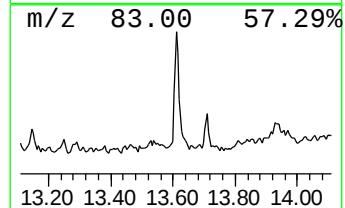
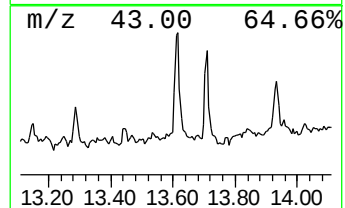
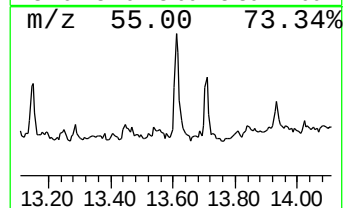
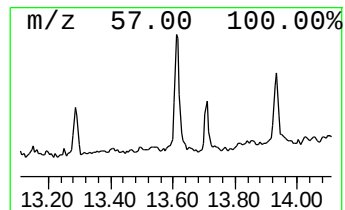
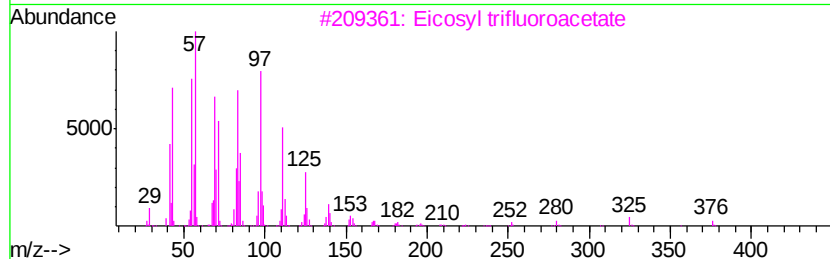
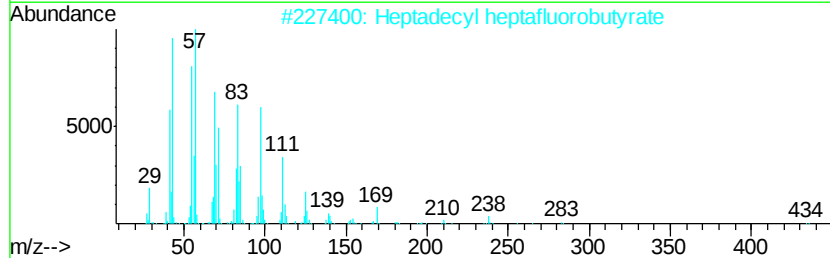
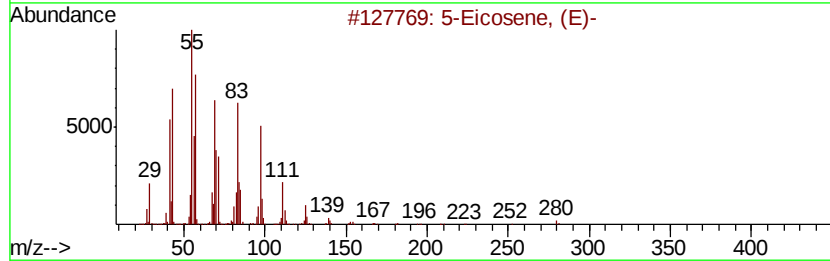
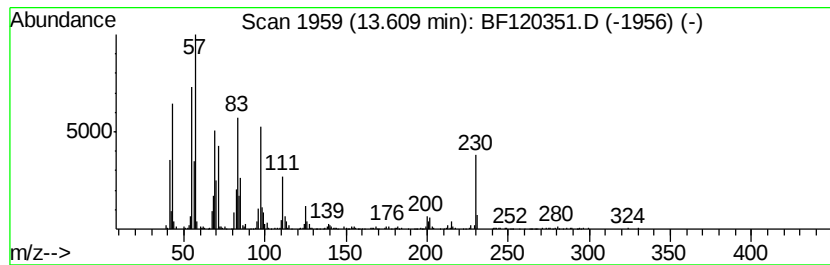
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 5-Eicosene, (E)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.61	6.54 ng	627036	Chrysene-d12	13.76	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	95
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	90
3	Eicosyl trifluoroacetate	394	C22H41F3O2	1000351-75-2	90
4	Pentafluoropropionic acid, octad...	416	C21H37F5O2	959261-25-7	90
5	Tetracosyl heptafluorobutyrate	550	C28H49F7O2	1000351-83-7	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051820\
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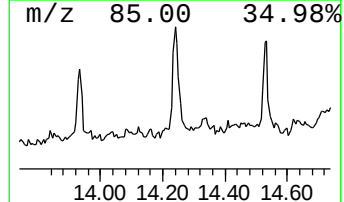
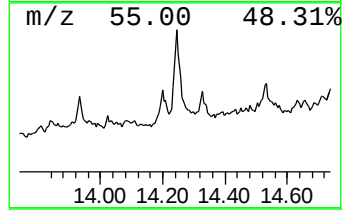
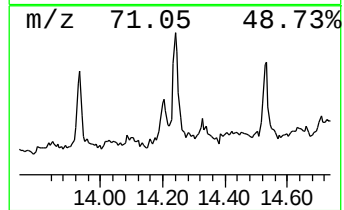
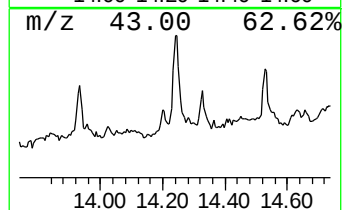
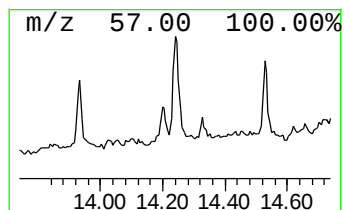
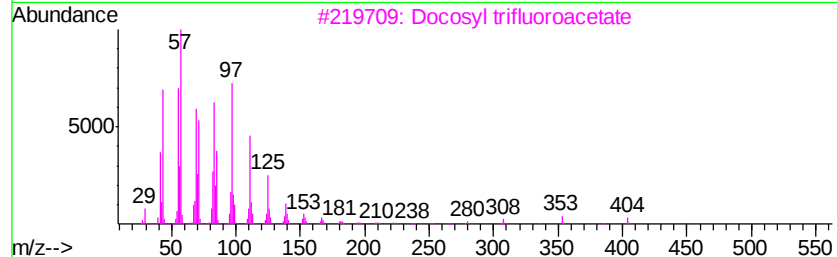
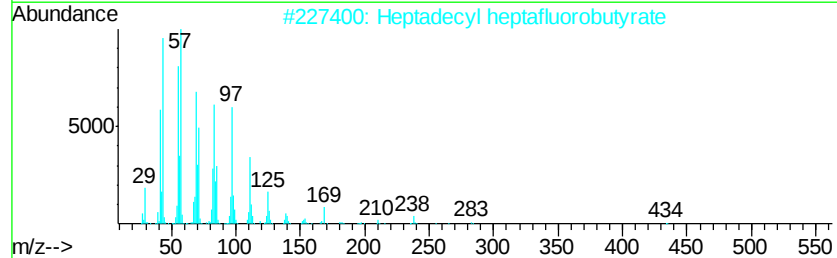
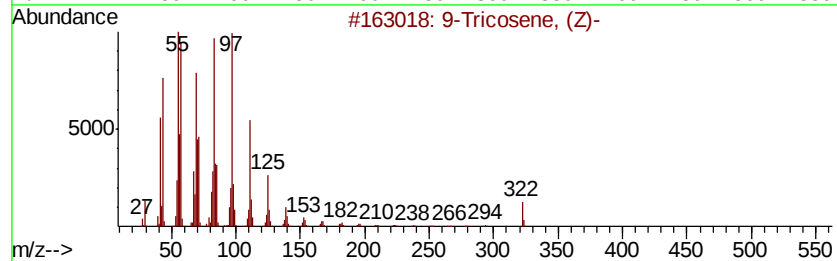
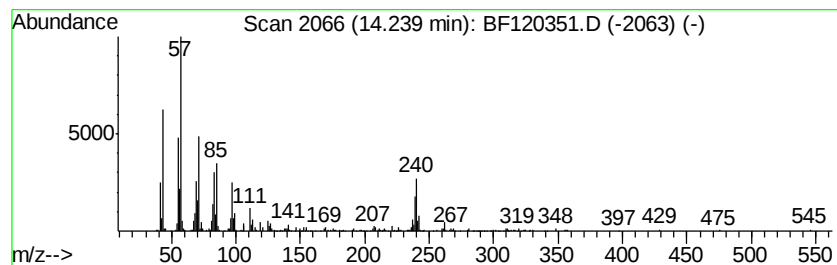
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 9-Tricosene, (Z)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.24	5.27 ng	504727	Chrysene-d12	13.76
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	9-Tricosene, (Z)-	322 C23H46	027519-02-4	93
2	Heptadecyl heptafluorobutyrate	452 C21H35F7O2	959085-66-6	90
3	Docosyl trifluoroacetate	422 C24H45F3O2	1000351-75-5	90
4	Cyclooctacosane	392 C28H56	000297-24-5	90
5	Pentafluoropropionic acid, hepta...	402 C20H35F5O2	959218-78-1	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051820\
Data File : BF120351.D
Acq On : 18 May 2020 19:33
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ALS Vial : 14 Sample Multiplier: 1

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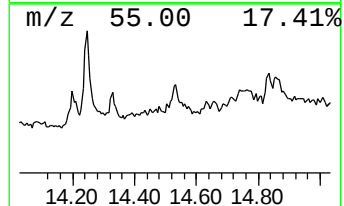
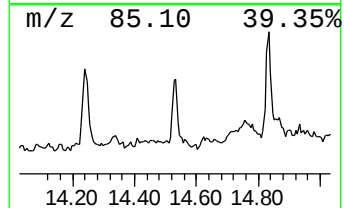
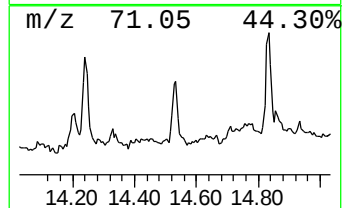
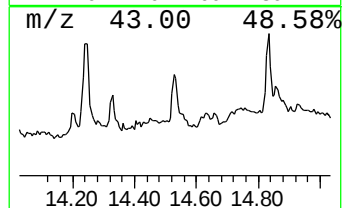
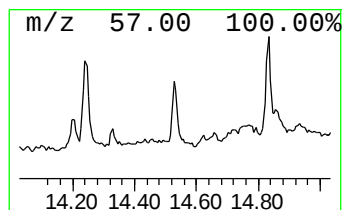
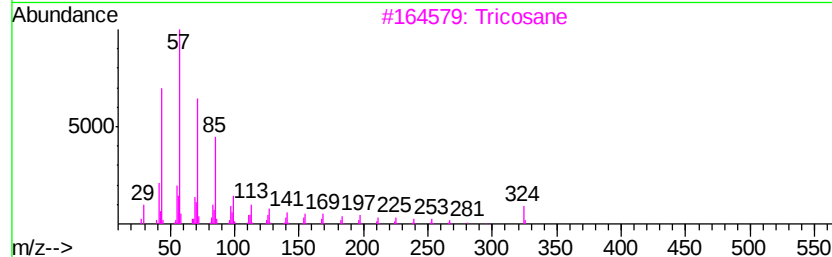
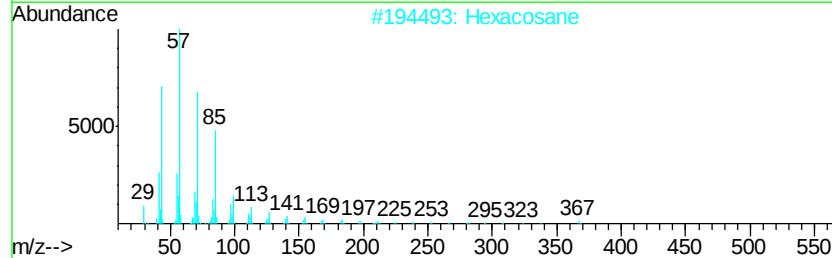
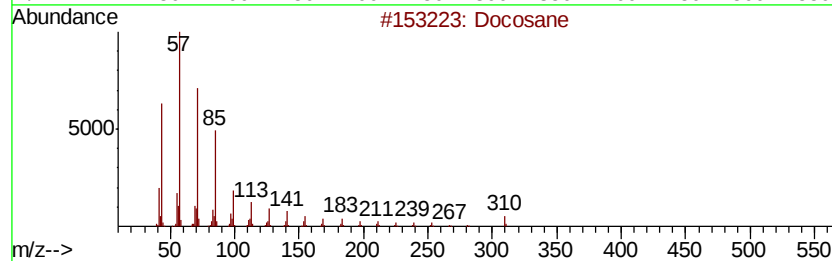
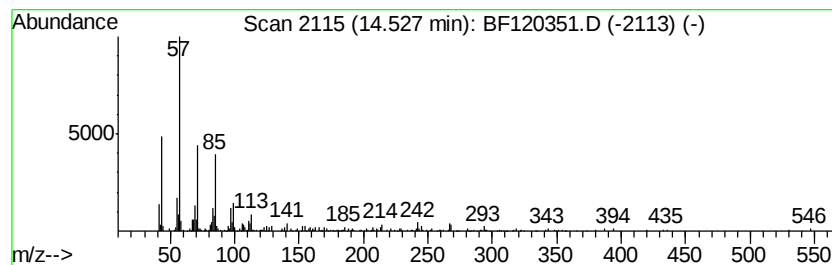
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Docosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.53	4.64 ng	339226	Perylene-d12	15.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Docosane	310	C22H46	000629-97-0	91
2		Hexacosane	366	C26H54	000630-01-3	83
3		Tricosane	324	C23H48	000638-67-5	83
4		Heneicosane	296	C21H44	000629-94-7	83
5		Eicosane	282	C20H42	000112-95-8	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051820\
Data File : BF120351.D
Acq On : 18 May 2020 19:33
Operator : MA/SJ
Sample : L2506-08 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

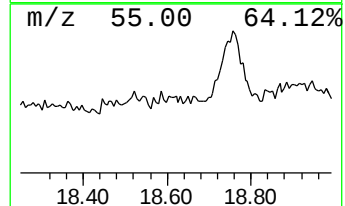
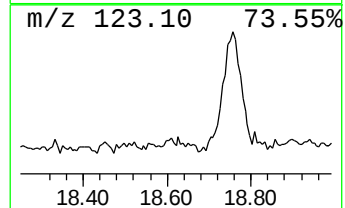
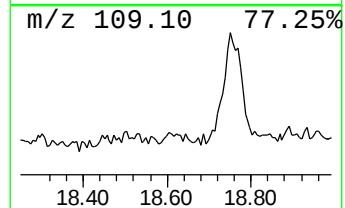
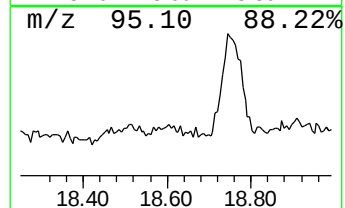
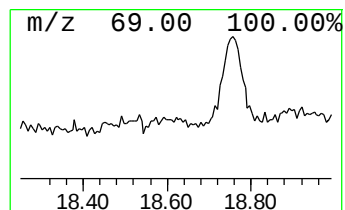
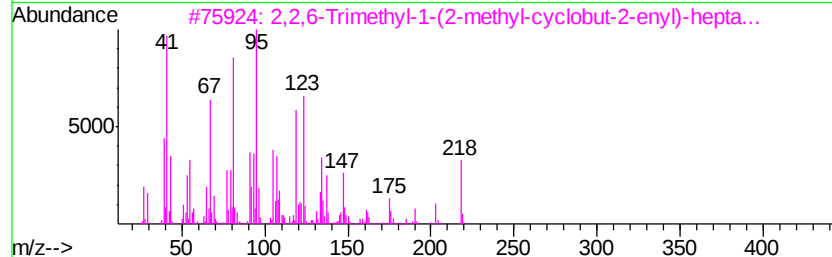
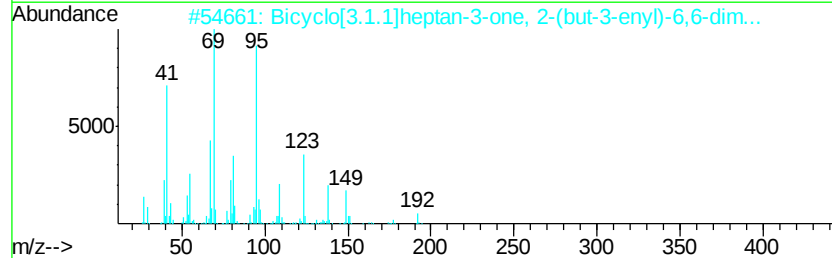
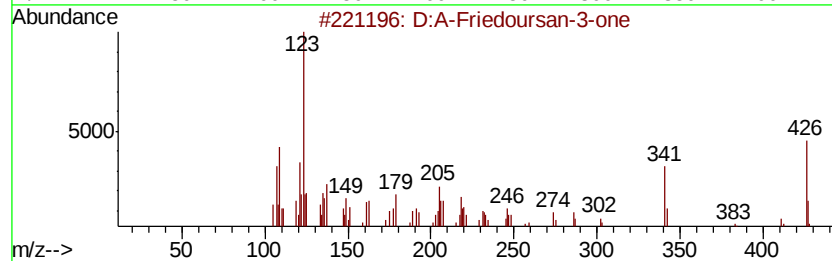
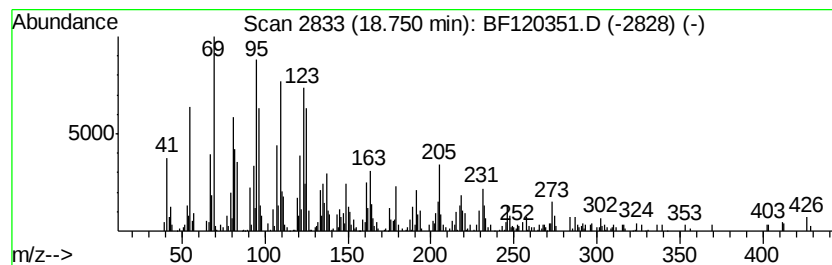
Instrument :
BNA_F
ClientSampleId :
TR-05-051520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 D:A-Friedoursan-3-one Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.75	9.22 ng	674286	Perylene-d12	15.14		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	D:A-Friedoursan-3-one	426	C30H500	089950-00-5	50	
2	Bicyclo[3.1.1]heptan-3-one, 2-(b...	192	C13H200	1000163-96-1	45	
3	2,2,6-Trimethyl-1-(2-methyl-cycl...	218	C15H220	1000188-72-8	42	
4	5-Bromo-4-oxo-4,5,6,7-tetrahydro...	216	C6H5BrN202	300574-36-1	35	
5	Cyclohexanone, 2,3,3-trimethyl-2...	206	C14H220	069296-90-8	30	



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051820\
 Data File : BF120351.D
 Acq On : 18 May 2020 19:33
 Operator : MA/SJ
 Sample : L2506-08 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-051520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Hexadecanoic acid...	11.53	84.6	ng	9917510	4	11.12	2344350	20.0
n-Hexadecanoic acid	11.67	15.7	ng	1836580	4	11.12	2344350	20.0
Tridecane, 2-methyl-	11.83	3.2	ng	377048	4	11.12	2344350	20.0
10,13-Octadecadie...	12.23	257.5	ng	30185200	4	11.12	2344350	20.0
13-Octadecenoic a...	12.26	112.0	ng	13123200	4	11.12	2344350	20.0
Octadecanoic acid	12.45	3.8	ng	363578	5	13.76	1916600	20.0
11H-Benzo[b]fluorene	12.89	3.8	ng	364225	5	13.76	1916600	20.0
cis-11-Eicosenoic...	12.96	5.9	ng	567146	5	13.76	1916600	20.0
Eicosanoic acid, ...	13.04	4.4	ng	417889	5	13.76	1916600	20.0
5-Eicosene, (E)-	13.61	6.5	ng	627036	5	13.76	1916600	20.0
9-Tricosene, (Z)-	14.24	5.3	ng	504727	5	13.76	1916600	20.0
Docosane	14.53	4.6	ng	339226	6	15.14	1461970	20.0
D:A-Friedoursan-3...	18.75	9.2	ng	674286	6	15.14	1461970	20.0