

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032520\
 Data File : BF119513.D
 Acq On : 25 Mar 2020 19:52
 Operator : CG/JU
 Sample : L2017-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FE-SB-32-(8.5-9)

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-BF031820.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	2.152	7	11	17	rVB	422360	558539	5.71%	0.655%
2	2.257	25	29	36	rVB	164801	204923	2.09%	0.240%
3	5.069	499	507	517	rBV	288340	377691	3.86%	0.443%
4	5.457	568	573	576	rBV	7351681	8341621	85.27%	9.789%
5	6.469	738	745	747	rBV	6673402	8345349	85.31%	9.794%
6	6.840	804	808	812	rBV	2650677	2115378	21.62%	2.483%
7	6.998	830	835	838	rBV	7352060	6589647	67.36%	7.733%
8	7.404	898	904	907	rBV	5322000	5585140	57.09%	6.555%
9	8.128	1022	1027	1030	rBV	2812396	2767698	28.29%	3.248%
10	9.210	1204	1211	1214	rBV	8817653	9782346	100.00%	11.480%
11	9.598	1272	1277	1280	rBV	1276587	1047820	10.71%	1.230%
12	9.886	1317	1326	1329	rBV	3692418	3293275	33.67%	3.865%
13	10.675	1454	1460	1463	rBV	6715225	6774184	69.25%	7.950%
14	11.375	1574	1579	1582	rBV	3824503	3507542	35.86%	4.116%
15	11.904	1665	1669	1681	rBV	1675750	1572571	16.08%	1.846%
16	12.692	1799	1803	1816	rBV	1114204	1200201	12.27%	1.409%
17	12.969	1844	1850	1853	rBV	9544116	9700857	99.17%	11.385%
18	13.874	2000	2004	2023	rBV3	453663	1324435	13.54%	1.554%
19	14.016	2023	2028	2031	rBV	3363412	2970303	30.36%	3.486%
20	14.186	2053	2057	2061	rBV	370578	322376	3.30%	0.378%
21	14.492	2105	2109	2113	rBV	664200	541485	5.54%	0.635%
22	14.804	2158	2162	2170	rVB	779252	814244	8.32%	0.956%
23	15.145	2215	2220	2226	rBV	903779	1005034	10.27%	1.179%
24	15.480	2271	2277	2281	rBV	2008504	2469227	25.24%	2.898%
25	15.527	2281	2285	2295	rVB	906563	1134219	11.59%	1.331%
26	15.968	2353	2360	2369	rBV	659713	1019451	10.42%	1.196%
27	16.080	2372	2379	2392	rVV	61773	249334	2.55%	0.293%
28	16.480	2439	2447	2456	rBV	392036	742223	7.59%	0.871%
29	17.074	2541	2548	2558	rVB	186980	406307	4.15%	0.477%
30	17.786	2662	2669	2679	rVB3	102583	259508	2.65%	0.305%
31	18.627	2804	2812	2825	rVB2	63368	187744	1.92%	0.220%

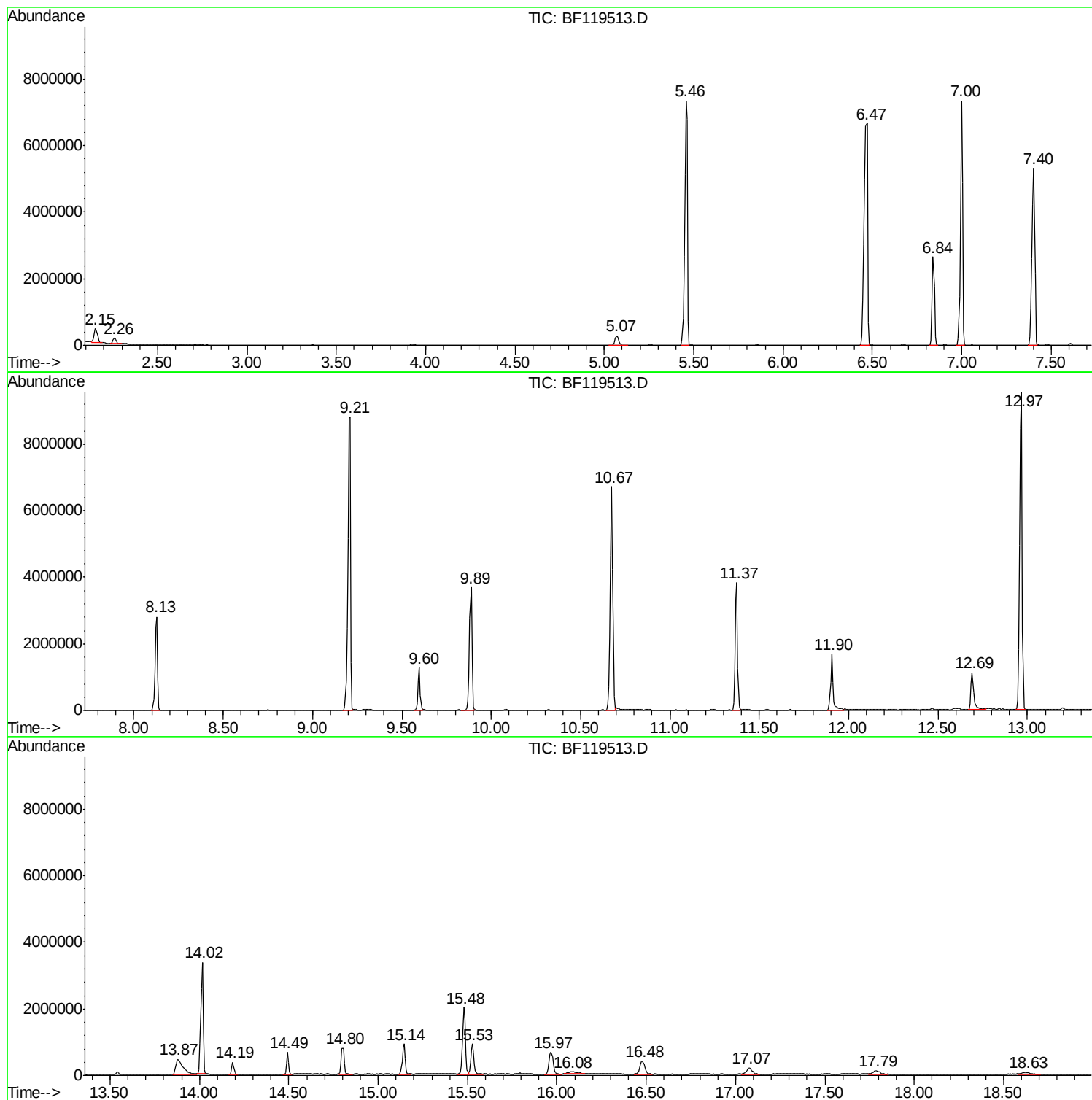
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ClientSampleId :
FE-SB-32-(8.5-9)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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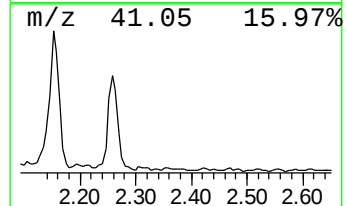
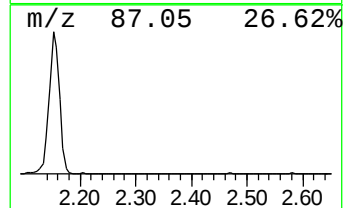
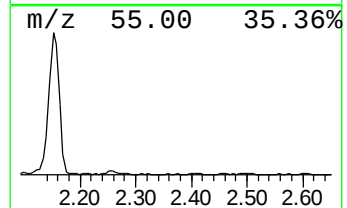
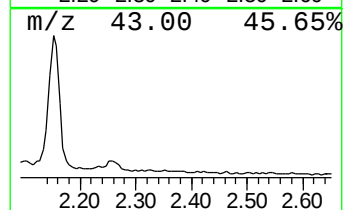
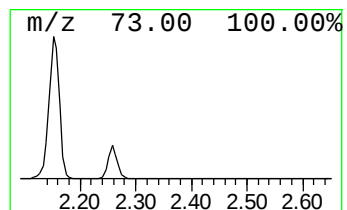
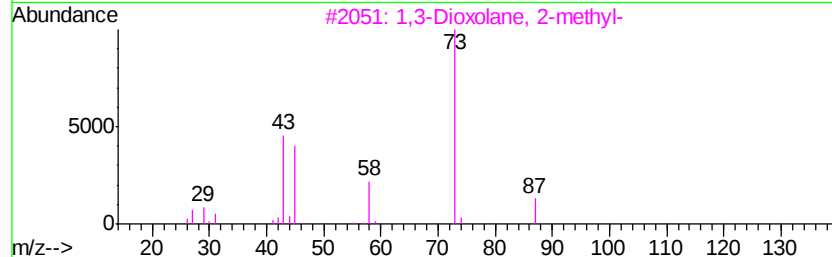
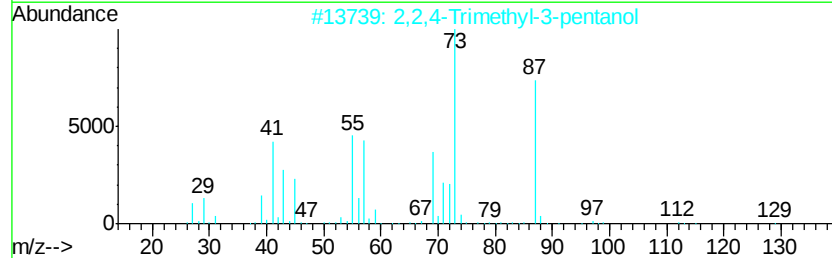
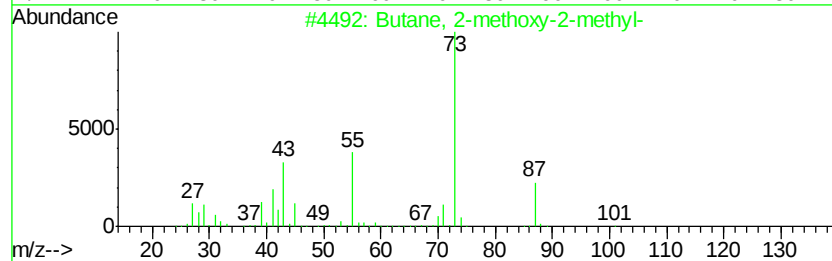
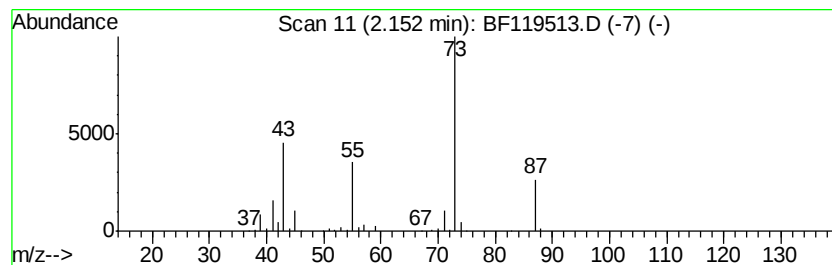
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.15	5.28 ng	558539	1,4-Dichlorobenzene-d4	6.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
4			Silane, tetramethyl-	88	C4H12Si	000075-76-3	35
5			3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	23



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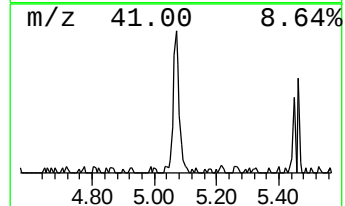
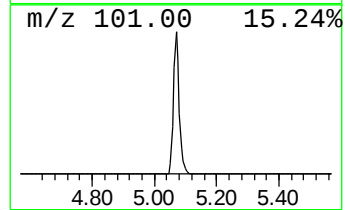
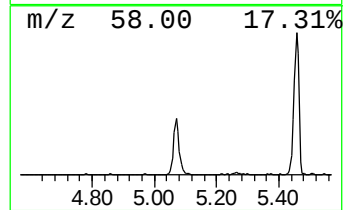
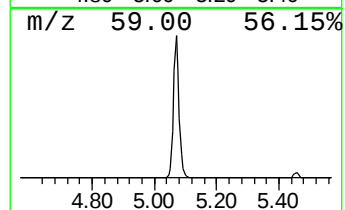
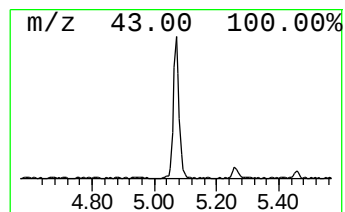
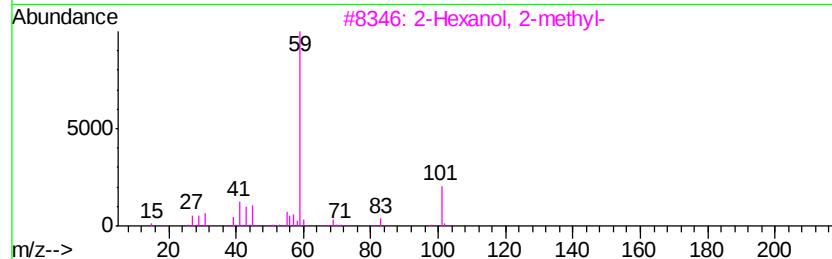
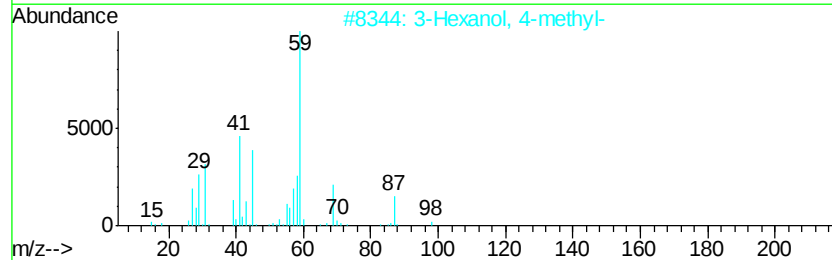
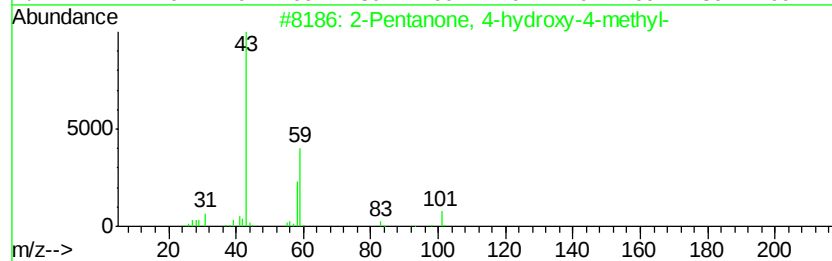
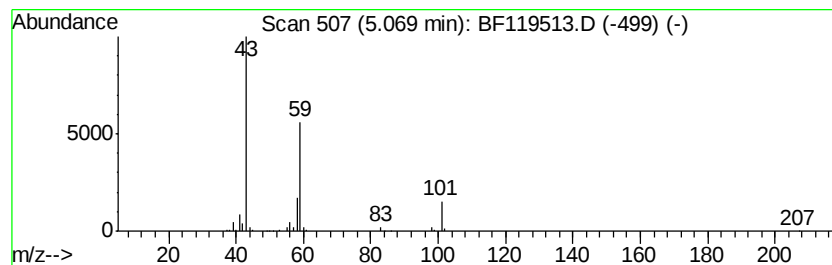
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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	3.57 ng	377691	1,4-Dichlorobenzene-d4	6.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
4		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	25
5		3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	23



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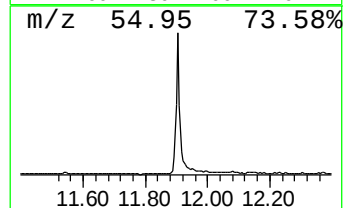
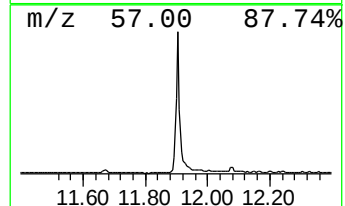
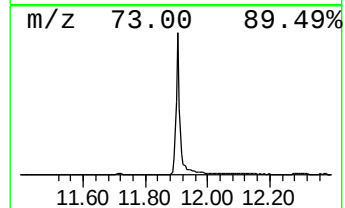
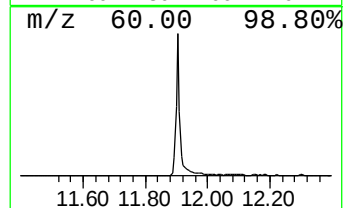
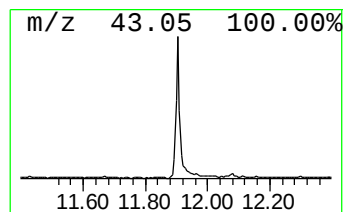
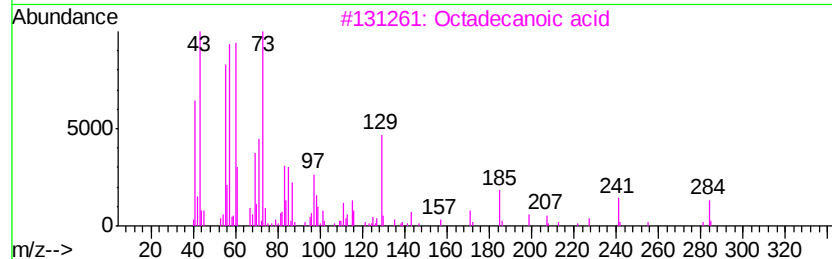
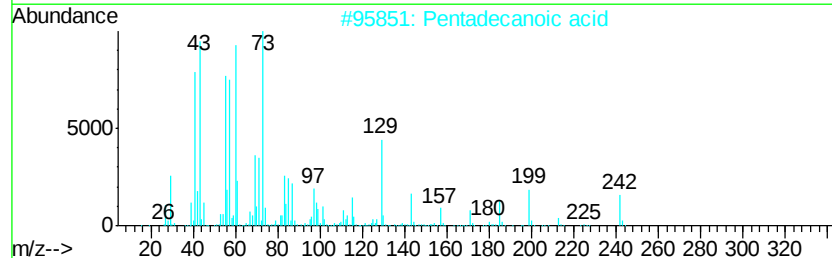
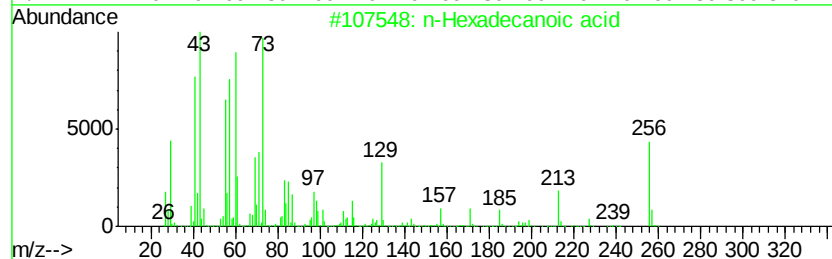
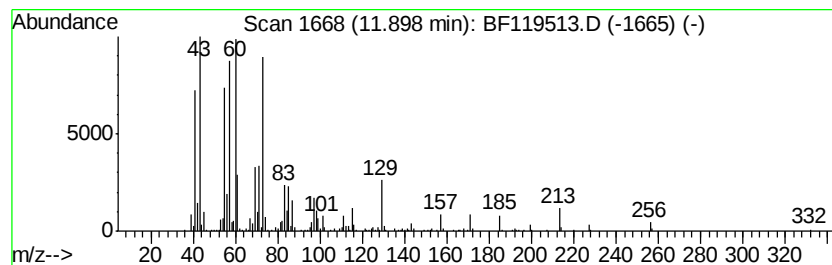
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	8.97 ng	1572570	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
3	Octadecanoic acid	284	C18H36O2	000057-11-4	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	78
5	Tridecanoic acid	214	C13H26O2	000638-53-9	72



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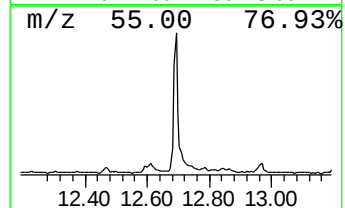
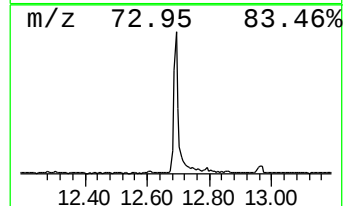
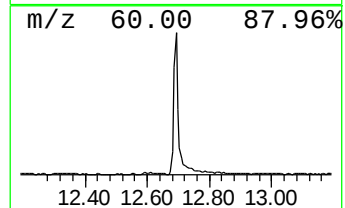
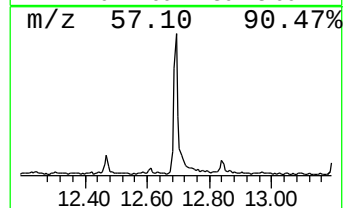
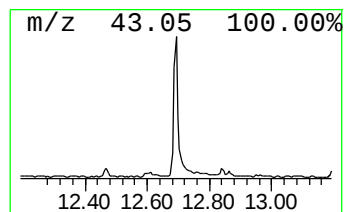
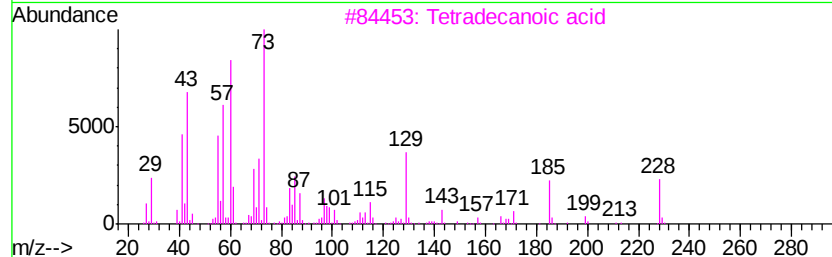
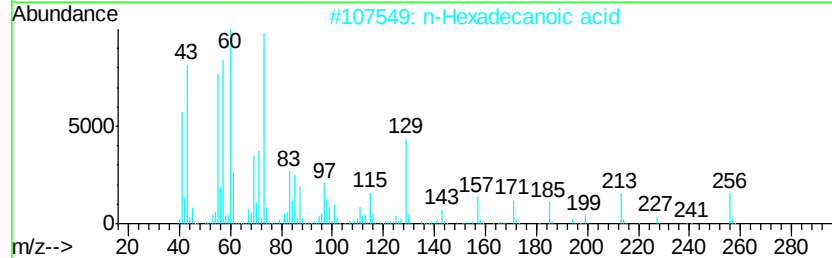
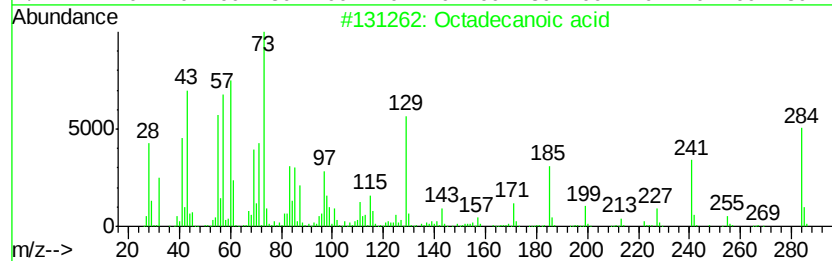
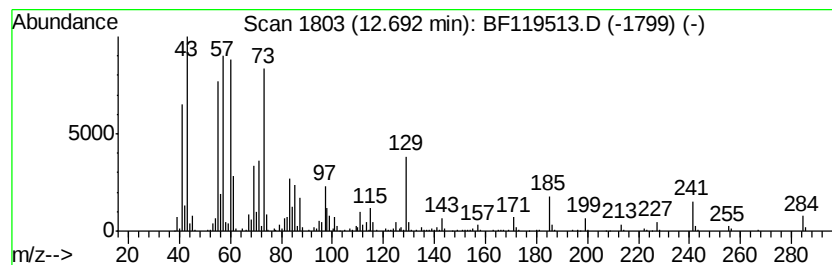
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Peak Number 5 Octadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.69	6.84 ng	1200200	Phenanthrene-d10	11.37	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
4	Octadecanoic acid, 2-(2-hydroxyve...	372	C22H44O4	000106-11-6	72
5	Tridecanoic acid	214	C13H26O2	000638-53-9	64



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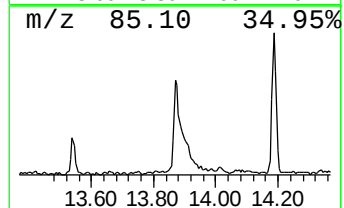
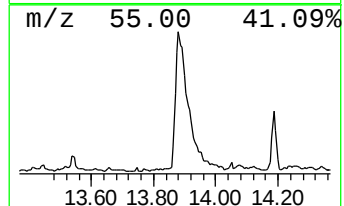
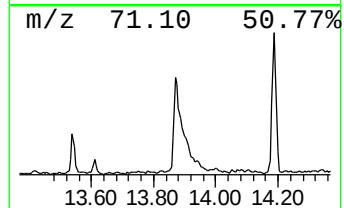
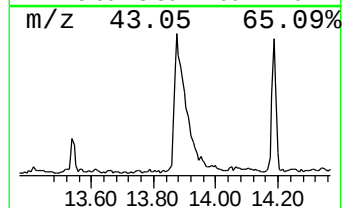
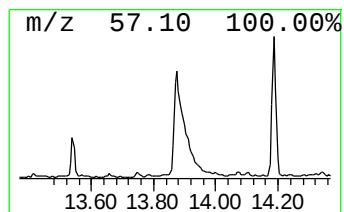
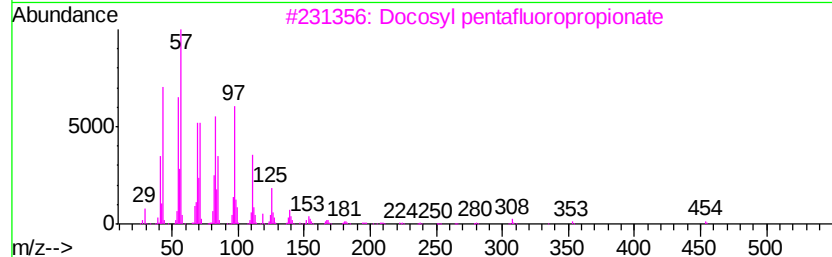
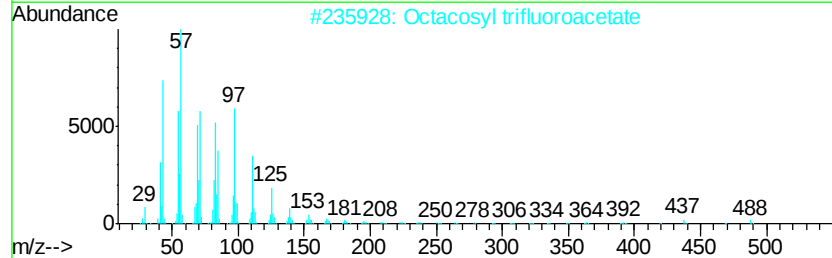
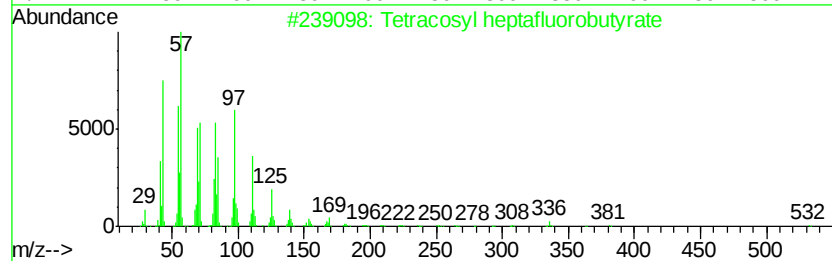
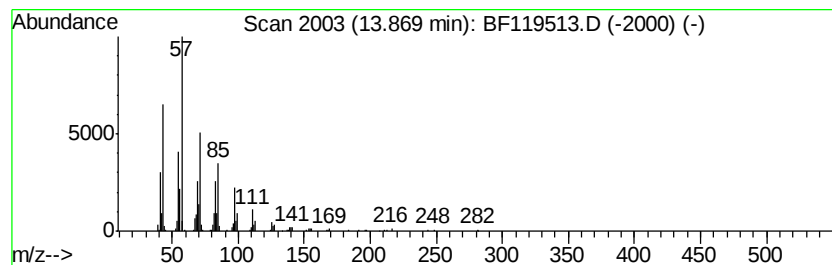
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TIC Integration Parameters: LSCINT.P

Peak Number 6 Tetracosyl heptafluorobutyrate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD		R.T.		
13.87	8.92 ng	1324440	Chrysene-d12		14.02		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetracosyl heptafluorobutyrate	550	C28H49F7O2	1000351-83-7	91
2			Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	91
3			Docosyl pentafluoropropionate	472	C25H45F5O2	1000351-80-9	91
4			Tricosyl heptafluorobutyrate	536	C27H47F7O2	1000351-83-4	91
5			Hexacosyl trifluoroacetate	478	C28H53F3O2	1000351-75-0	91



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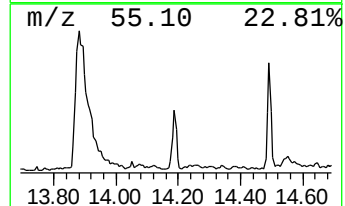
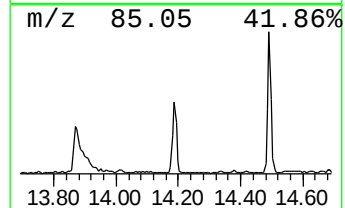
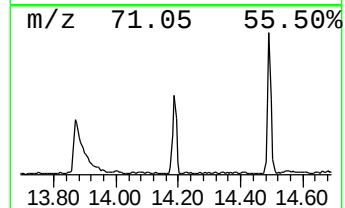
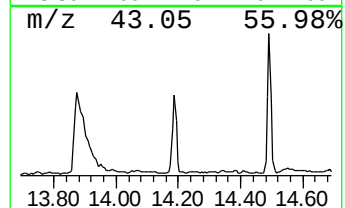
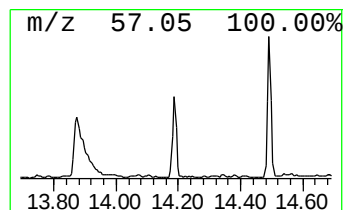
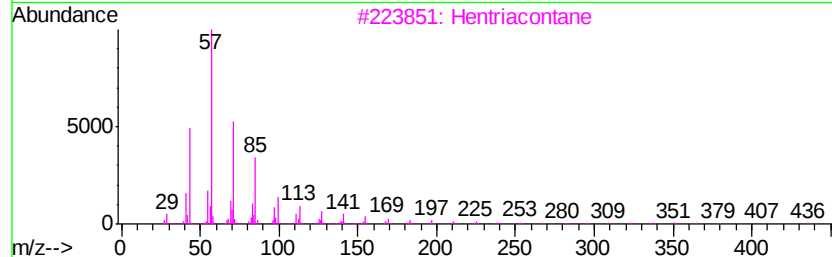
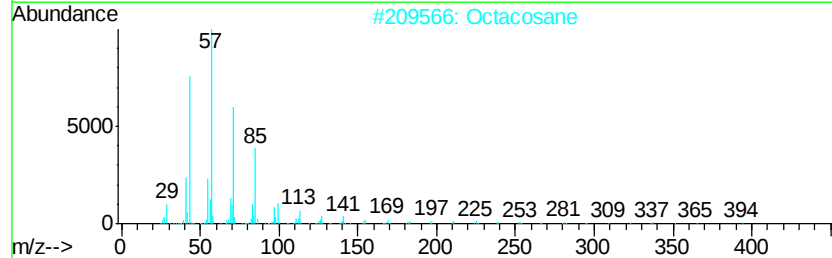
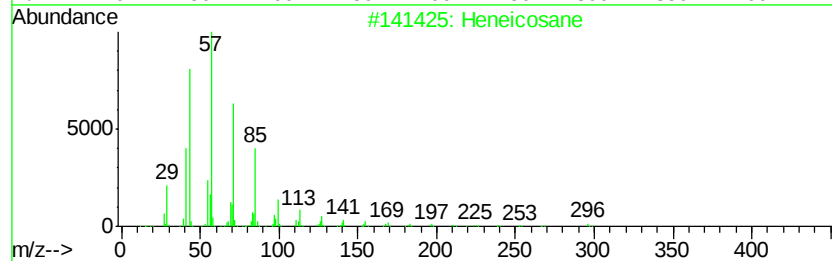
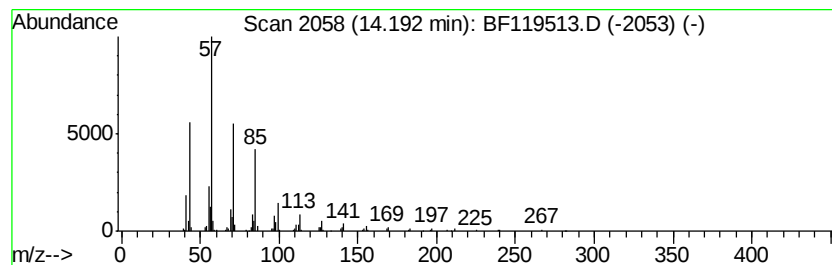
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FE-SB-32-(8.5-9)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Heneicosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.19	2.17 ng	322376	Chrysene-d12	14.02
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Heneicosane	296 C21H44	000629-94-7	91
2	Octacosane	394 C28H58	000630-02-4	91
3	Hentriacontane	437 C31H64	000630-04-6	91
4	Heptacosane	380 C27H56	000593-49-7	90
5	Hexacosane	366 C26H54	000630-01-3	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
Data File : BF119513.D
Acq On : 25 Mar 2020 19:52
Operator : CG/JU
Sample : L2017-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

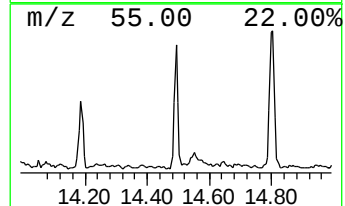
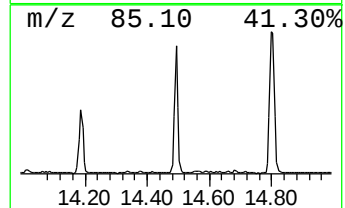
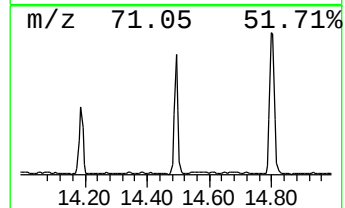
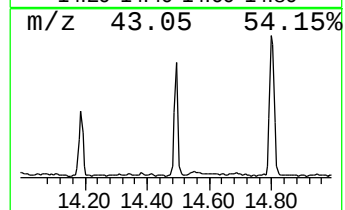
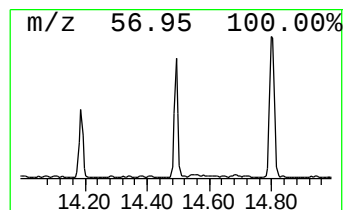
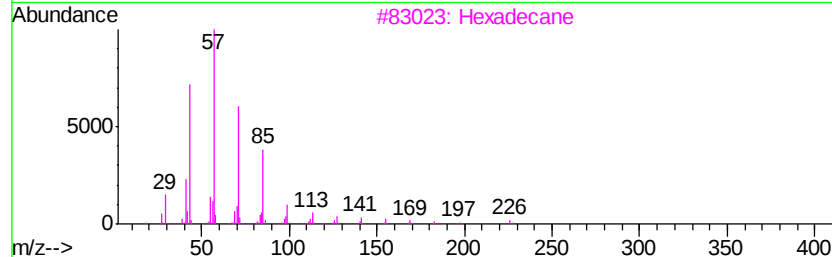
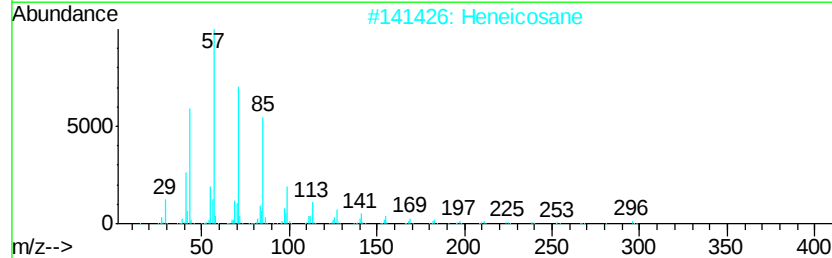
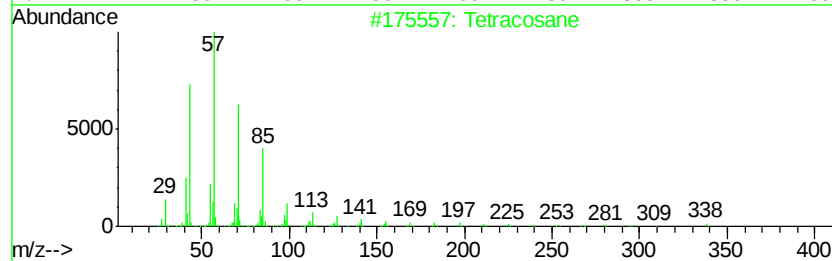
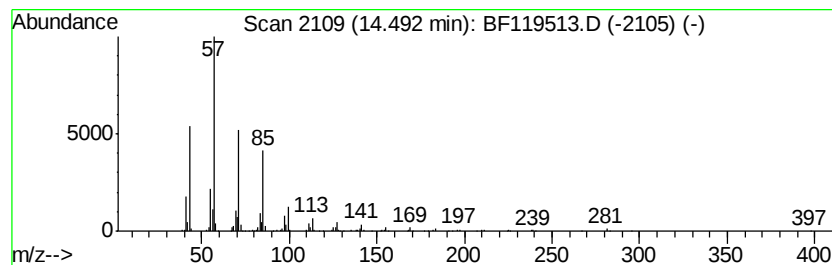
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Tetracosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	3.65 ng	541485	Chrysene-d12	14.02
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Tetracosane	338 C24H50	000646-31-1 91
2		Heneicosane	296 C21H44	000629-94-7 90
3		Hexadecane	226 C16H34	000544-76-3 87
4		Decane, 3,8-dimethyl-	170 C12H26	017312-55-9 87
5		Pentadecane	212 C15H32	000629-62-9 87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
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 Acq On : 25 Mar 2020 19:52
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Instrument :
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 ClientSampleId :
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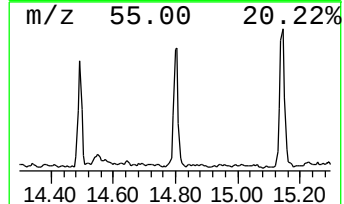
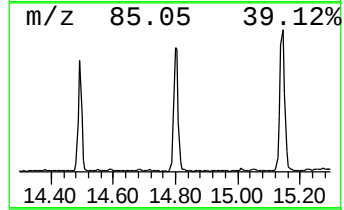
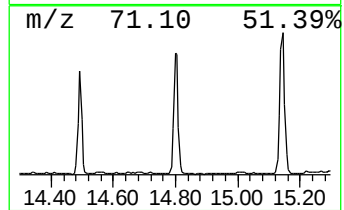
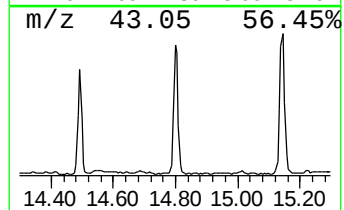
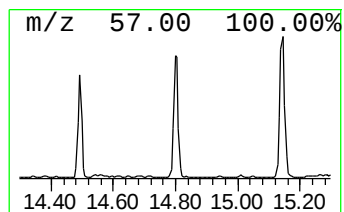
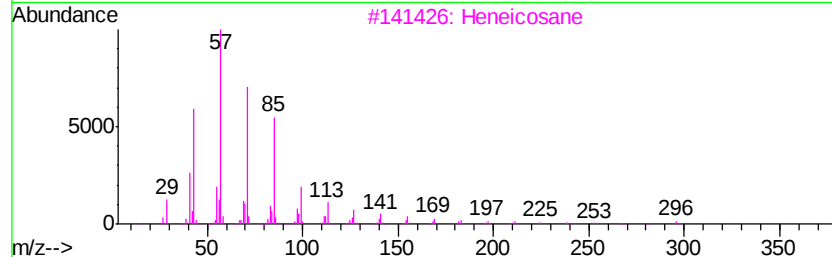
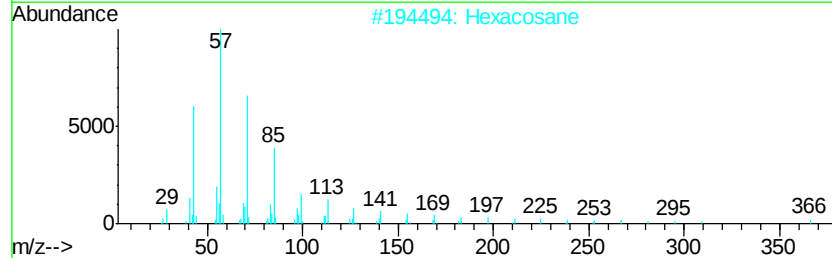
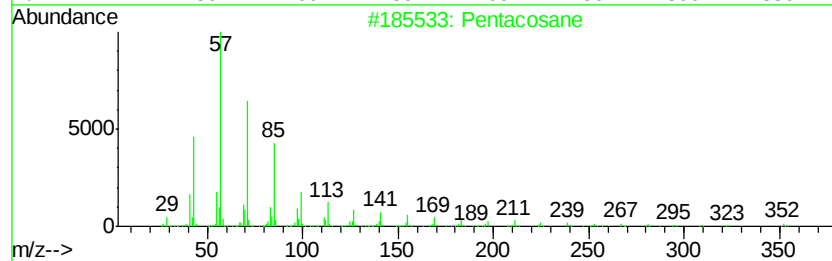
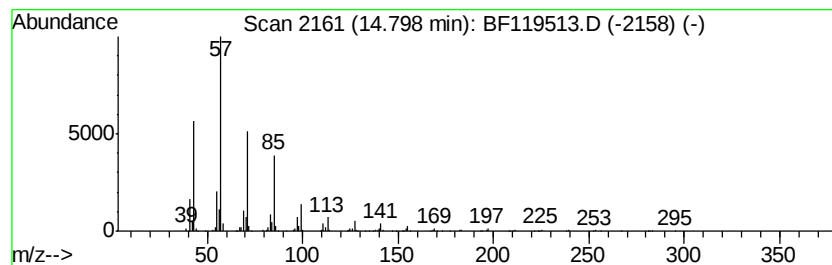
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 9 Pentacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	6.60 ng	814244	Perylene-d12	15.48

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane		352	C25H52	000629-99-2	91
2	Hexacosane		366	C26H54	000630-01-3	91
3	Heneicosane		296	C21H44	000629-94-7	90
4	Decane, 3,8-dimethyl-		170	C12H26	017312-55-9	90
5	2-methyloctacosane		408	C29H60	1000376-72-8	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
Data File : BF119513.D
Acq On : 25 Mar 2020 19:52
Operator : CG/JU
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Instrument :
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ClientSampleId :
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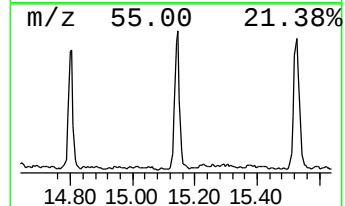
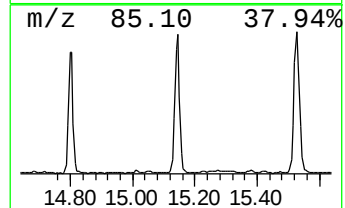
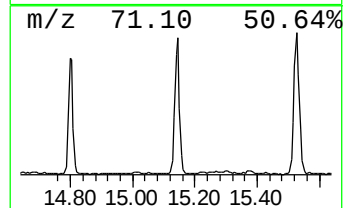
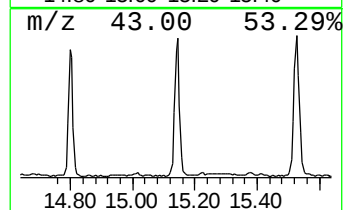
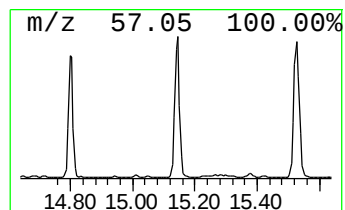
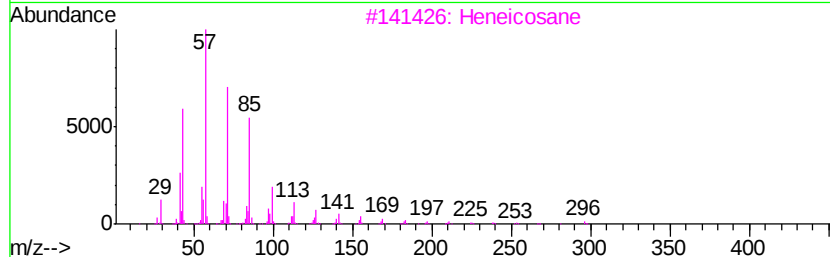
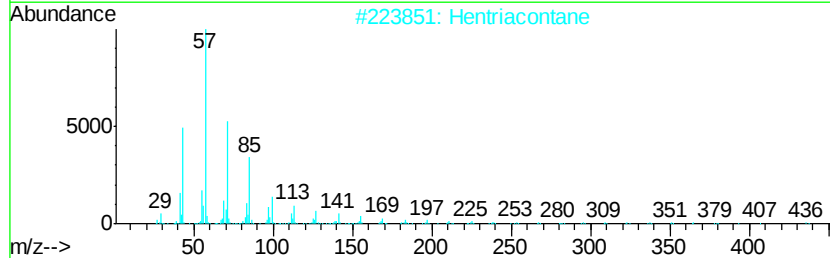
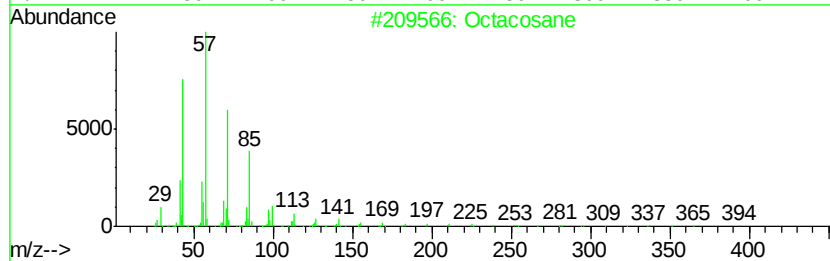
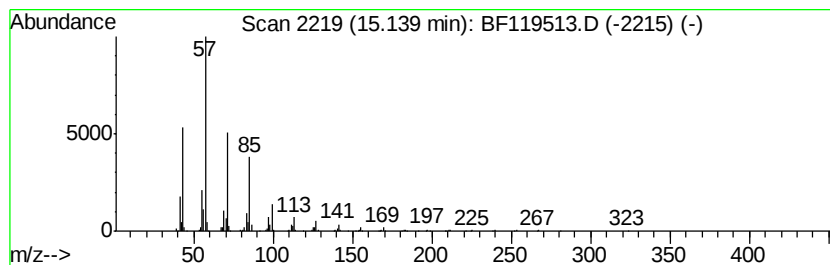
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Octacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	8.14 ng	1005030	Perylene-d12	15.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	91
2		Hentriacontane	437	C31H64	000630-04-6	91
3		Heneicosane	296	C21H44	000629-94-7	90
4		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	90
5		2-methyloctacosane	408	C29H60	1000376-72-8	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
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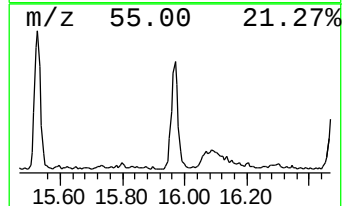
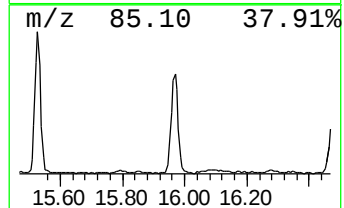
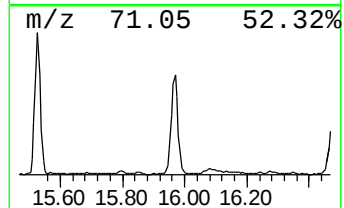
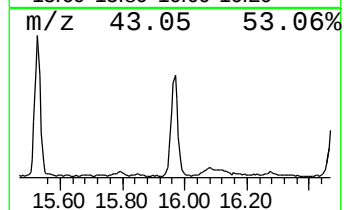
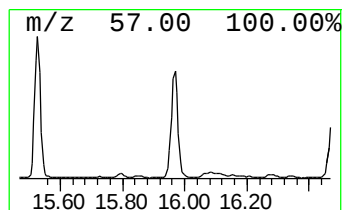
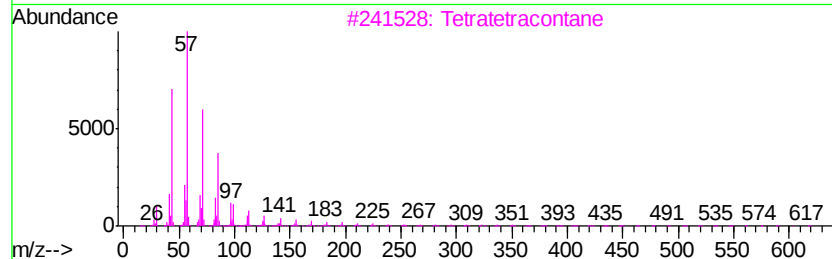
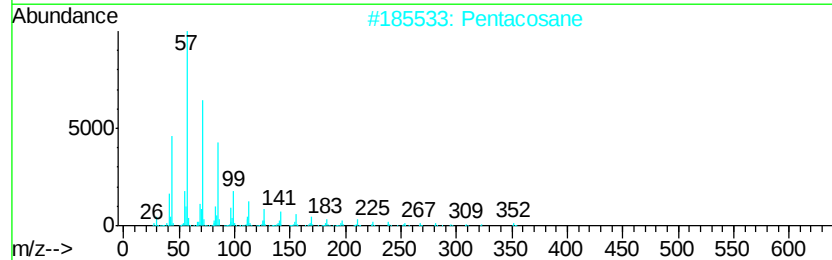
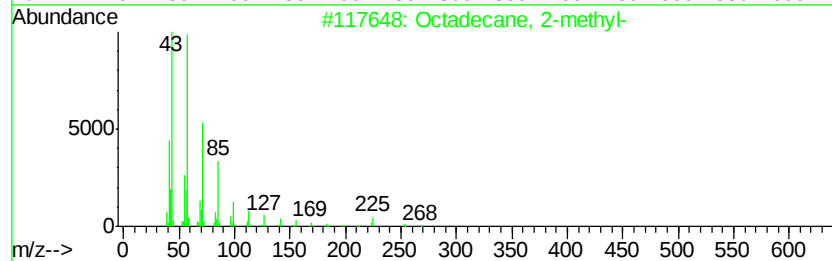
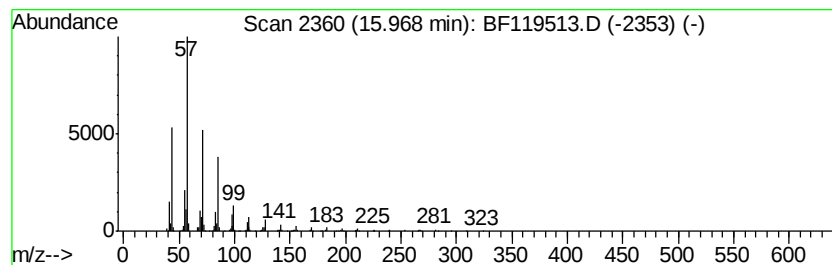
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 11 Octadecane, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	8.26 ng	1019450	Perylene-d12	15.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane, 2-methyl-	268	C19H40	001560-88-9	91
2		Pentacosane	352	C25H52	000629-99-2	91
3		Tetratetracontane	619	C44H90	007098-22-8	90
4		Heneicosane	296	C21H44	000629-94-7	90
5		Hexacosane	366	C26H54	000630-01-3	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
Data File : BF119513.D
Acq On : 25 Mar 2020 19:52
Operator : CG/JU
Sample : L2017-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
FE-SB-32-(8.5-9)

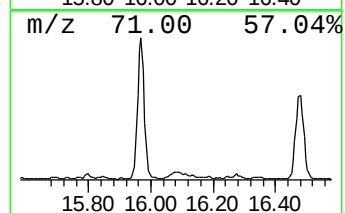
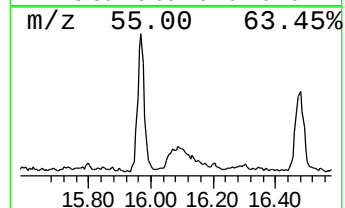
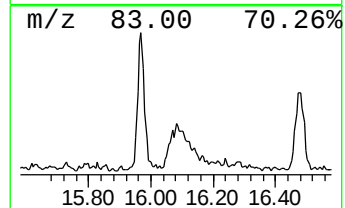
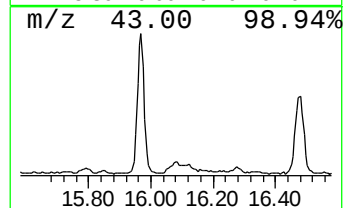
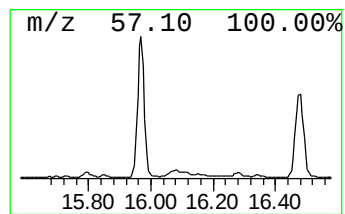
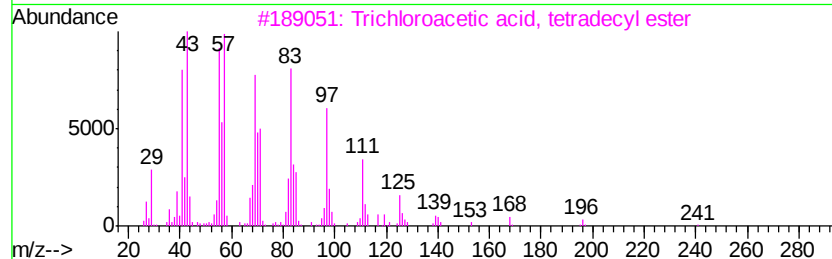
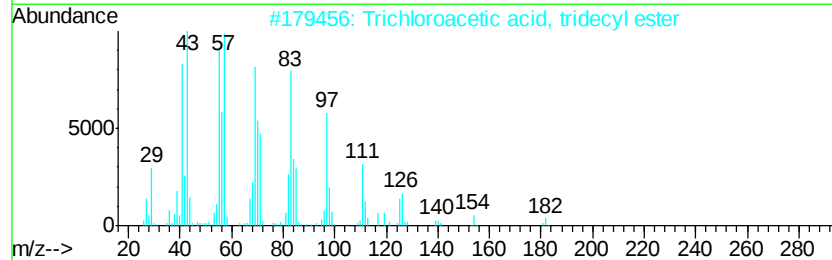
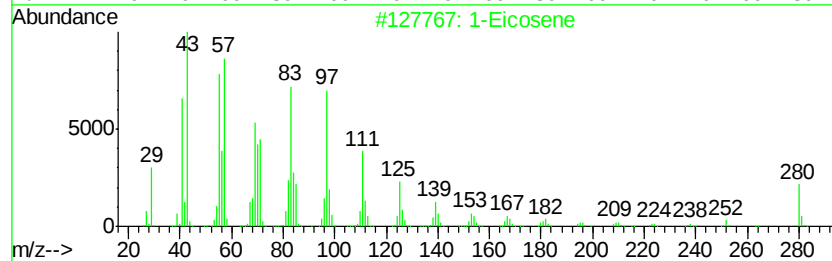
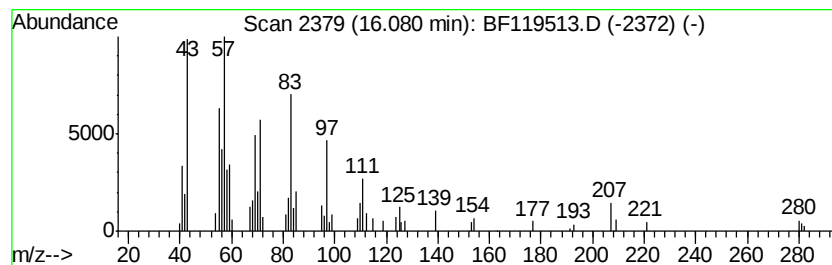
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 1-Eicosene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.08	2.02 ng	249334	Perylene-d12	15.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Eicosene	280	C20H40	003452-07-1	76
2		Trichloroacetic acid, tridecyl e...	344	C15H27Cl3O2	074339-51-8	68
3		Trichloroacetic acid, tetradecyl...	358	C16H29Cl3O2	074339-52-9	68
4		Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	64
5		Trichloroacetic acid, dodecyl ester	330	C14H25Cl3O2	074339-50-7	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
Data File : BF119513.D
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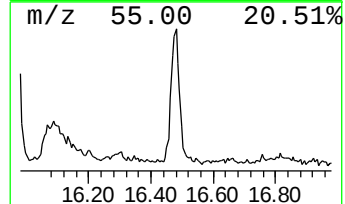
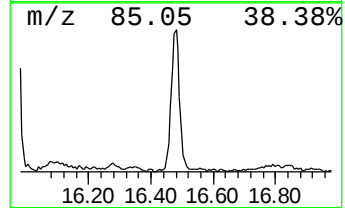
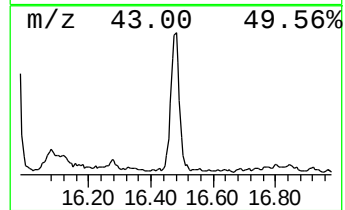
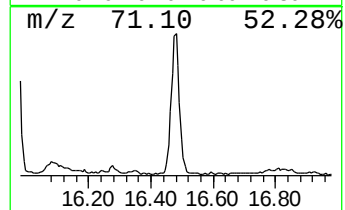
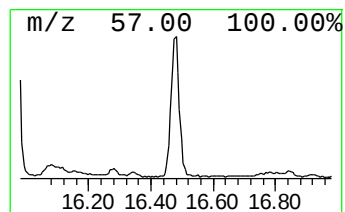
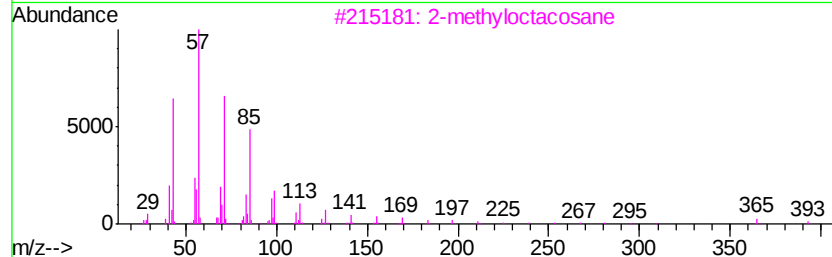
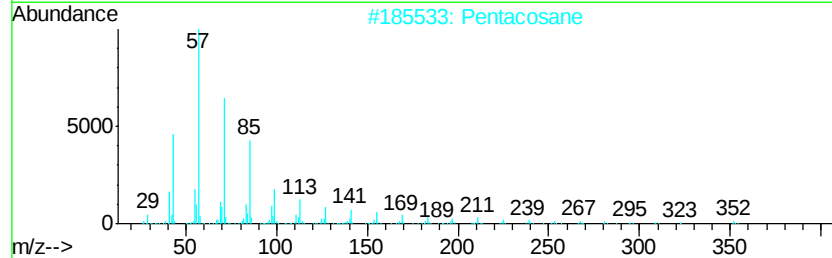
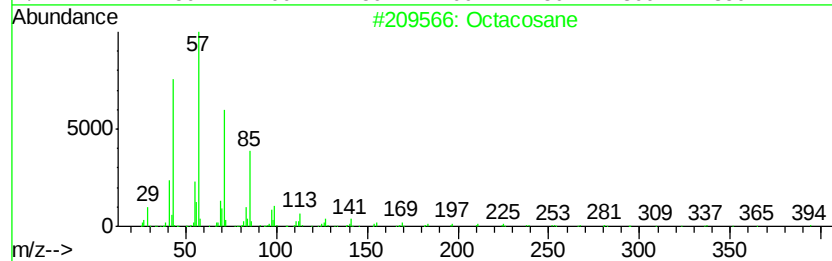
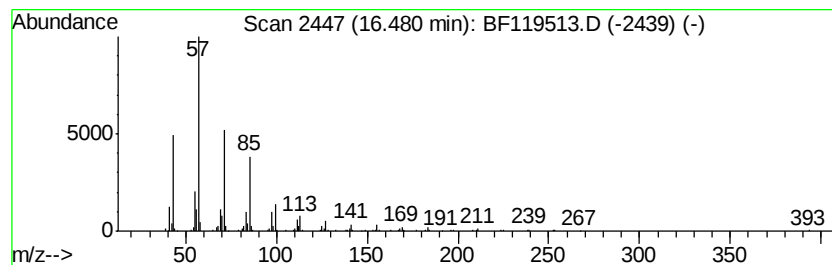
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 2-methyloctacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.48	6.01 ng	742223	Perylene-d12	15.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octacosane	394	C28H58	000630-02-4	91
2			Pentacosane	352	C25H52	000629-99-2	91
3			2-methyloctacosane	408	C29H60	1000376-72-8	90
4			Heptacosane	380	C27H56	000593-49-7	90
5			Heneicosane	296	C21H44	000629-94-7	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
Data File : BF119513.D
Acq On : 25 Mar 2020 19:52
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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
FE-SB-32-(8.5-9)

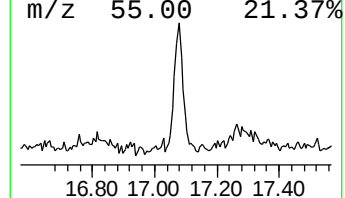
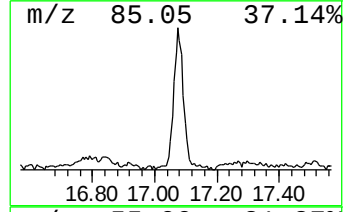
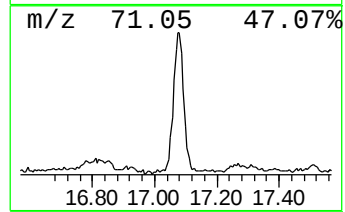
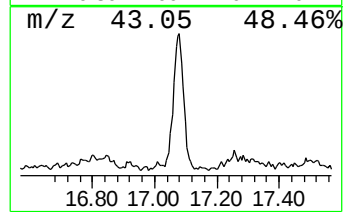
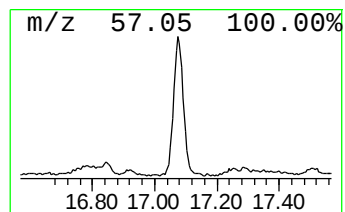
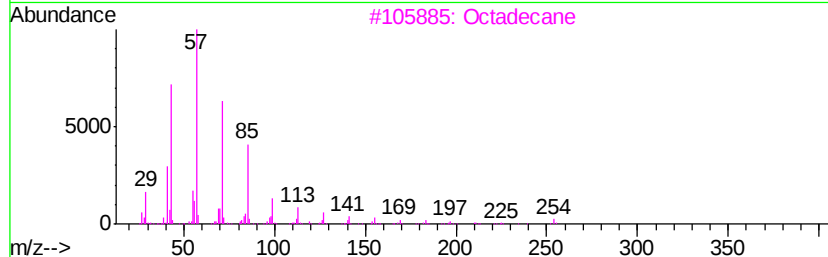
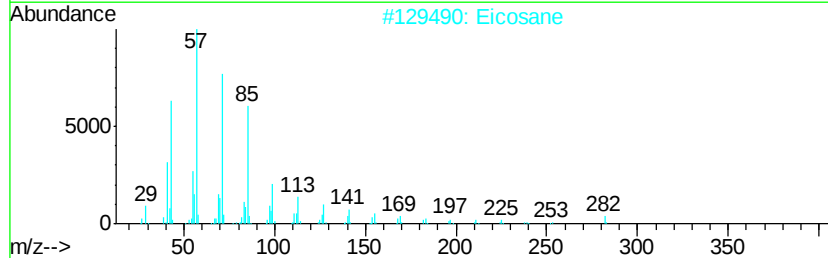
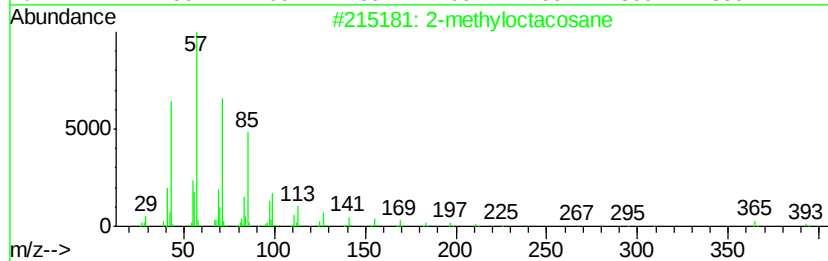
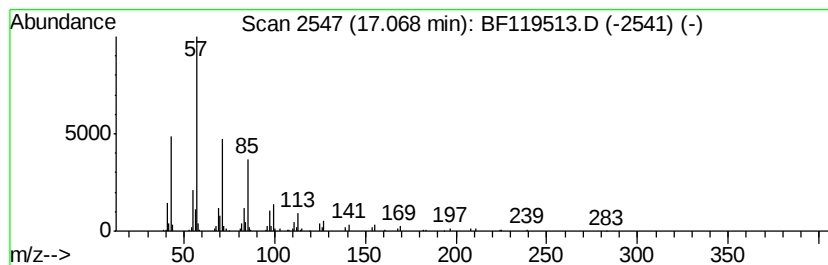
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Eicosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.07	3.29 ng	406307	Perylene-d12	15.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-methyloctacosane	408	C29H60	1000376-72-8	90
2		Eicosane	282	C20H42	000112-95-8	86
3		Octadecane	254	C18H38	000593-45-3	86
4		Tetracosane	338	C24H50	000646-31-1	86
5		Hentriacontane	437	C31H64	000630-04-6	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
Data File : BF119513.D
Acq On : 25 Mar 2020 19:52
Operator : CG/JU
Sample : L2017-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FE-SB-32-(8.5-9)

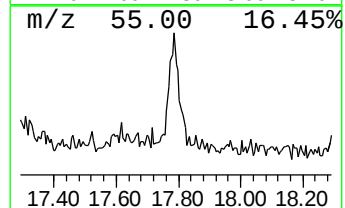
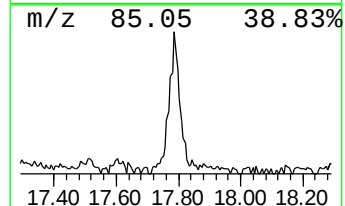
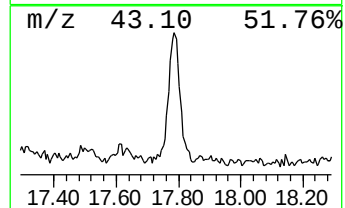
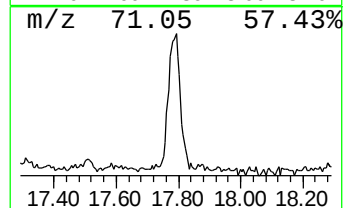
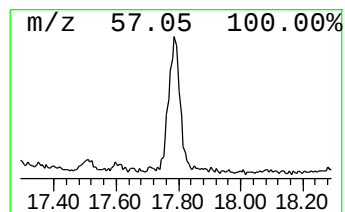
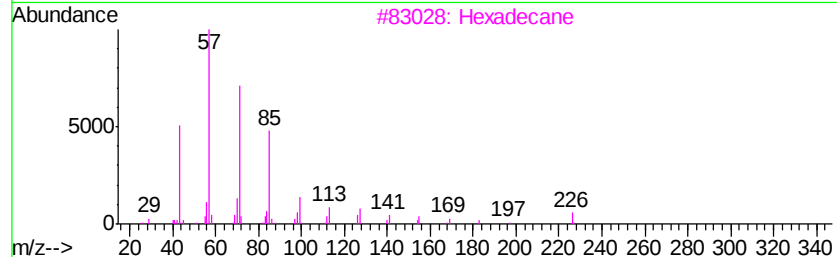
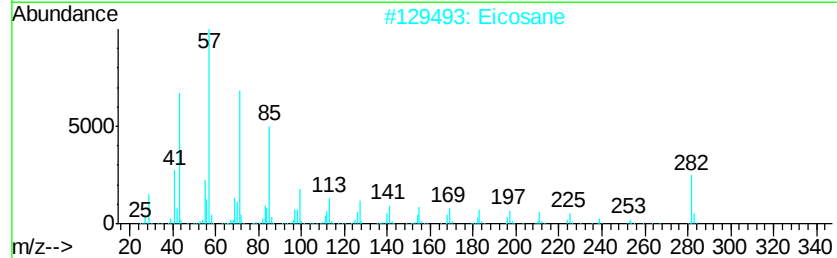
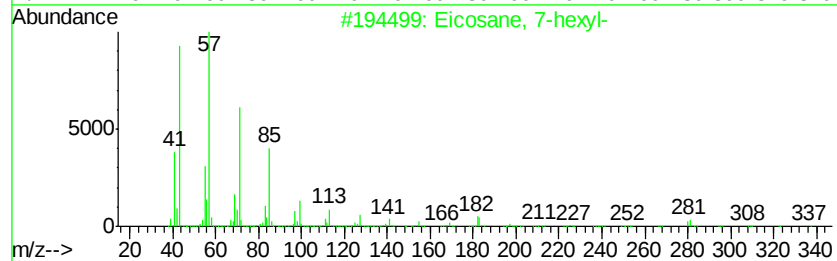
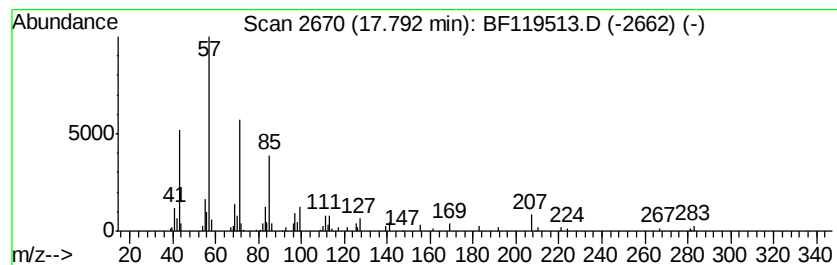
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Eicosane, 7-hexyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.79	2.10 ng	259508	Perylene-d12	15.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	87
2		Eicosane	282	C20H42	000112-95-8	86
3		Hexadecane	226	C16H34	000544-76-3	86
4		Octadecane	254	C18H38	000593-45-3	86
5		Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032520\
 Data File : BF119513.D
 Acq On : 25 Mar 2020 19:52
 Operator : CG/JU
 Sample : L2017-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FE-SB-32-(8.5-9)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.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
Butane, 2-methoxy...	2.15	5.3	ng	558539	1	6.84	2115380	20.0
2-Pentanone, 4-hy...	5.07	3.6	ng	377691	1	6.84	2115380	20.0
n-Hexadecanoic acid	11.90	9.0	ng	1572570	4	11.37	3507540	20.0
Octadecanoic acid	12.69	6.8	ng	1200200	4	11.37	3507540	20.0
Tetracosyl heptaf...	13.87	8.9	ng	1324440	5	14.02	2970300	20.0
Heneicosane	14.19	2.2	ng	322376	5	14.02	2970300	20.0
Tetracosane	14.49	3.6	ng	541485	5	14.02	2970300	20.0
Pentacosane	14.80	6.6	ng	814244	6	15.48	2469230	20.0
Octacosane	15.14	8.1	ng	1005030	6	15.48	2469230	20.0
Octadecane, 2-met...	15.97	8.3	ng	1019450	6	15.48	2469230	20.0
1-Eicosene	16.08	2.0	ng	249334	6	15.48	2469230	20.0
2-methyloctacosane	16.48	6.0	ng	742223	6	15.48	2469230	20.0
Eicosane	17.07	3.3	ng	406307	6	15.48	2469230	20.0
Eicosane, 7-hexyl-	17.79	2.1	ng	259508	6	15.48	2469230	20.0