

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081519\
 Data File : BF116291.D
 Acq On : 15 Aug 2019 21:10
 Operator : HP/JU
 Sample : K4356-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

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-BF073019.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	5.434	566	569	604	rBV	1244568	1661560	86.77%	7.632%
2	6.451	739	742	762	rBV	1435659	1728830	90.28%	7.940%
3	6.586	762	765	784	rVB	1964567	1816907	94.88%	8.345%
4	6.816	801	804	815	rBV	449281	424651	22.18%	1.950%
5	6.969	827	830	850	rVB	1372849	1343963	70.18%	6.173%
6	7.381	896	900	924	rBV	1052368	1128100	58.91%	5.181%
7	8.098	1019	1022	1048	rBV	553629	545892	28.51%	2.507%
8	9.169	1200	1204	1219	rBV	1950942	1653398	86.34%	7.594%
9	9.563	1268	1271	1281	rBV	355724	316359	16.52%	1.453%
10	9.851	1316	1320	1332	rVB	683412	675741	35.29%	3.104%
11	10.639	1450	1454	1470	rBV	1304343	1311241	68.47%	6.023%
12	11.333	1569	1572	1579	rBV	733367	732542	38.25%	3.365%
13	11.857	1658	1661	1673	rBV2	108880	147693	7.71%	0.678%
14	12.639	1792	1794	1798	rBV	27351	32827	1.71%	0.151%
15	12.910	1833	1840	1849	rBV	1774637	1914935	100.00%	8.795%
16	13.115	1871	1875	1877	rBV	67711	77766	4.06%	0.357%
17	13.133	1877	1878	1884	rVB2	45685	43474	2.27%	0.200%
18	13.474	1932	1936	1942	rVB2	24471	28828	1.51%	0.132%
19	13.598	1953	1957	1960	rBV	115325	98504	5.14%	0.452%
20	13.798	1988	1991	2007	rBV	351344	543793	28.40%	2.498%
21	13.980	2018	2022	2034	rBV	724426	819625	42.80%	3.765%
22	14.121	2043	2046	2048	rBV	45847	46412	2.42%	0.213%
23	14.245	2064	2067	2073	rVB	216737	183685	9.59%	0.844%
24	14.433	2094	2099	2109	rBV2	420440	746969	39.01%	3.431%
25	14.639	2131	2134	2138	rBV	26144	27779	1.45%	0.128%
26	14.727	2145	2149	2151	rBV	61221	66707	3.48%	0.306%
27	14.751	2151	2153	2159	rVB4	40624	52769	2.76%	0.242%
28	14.868	2169	2173	2178	rVB	142066	148478	7.75%	0.682%
29	15.051	2200	2204	2206	rBV	147580	162343	8.48%	0.746%
30	15.080	2206	2209	2216	rVB	215386	332412	17.36%	1.527%
31	15.433	2262	2269	2287	rBV	515166	867404	45.30%	3.984%
32	15.615	2296	2300	2304	rBV	75943	95783	5.00%	0.440%
33	15.839	2333	2338	2343	rBV	111451	162754	8.50%	0.748%
34	15.898	2343	2348	2355	rBV4	43508	103293	5.39%	0.474%

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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

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.109	2381	2384	2388	rBV2	15133	23382	1.22%	0.107%
36	16.327	2416	2421	2430	rVB3	41732	85864	4.48%	0.394%
37	16.609	2464	2469	2475	rVB2	48957	79862	4.17%	0.367%
38	17.409	2597	2605	2611	rBV5	115311	344175	17.97%	1.581%
39	17.474	2611	2616	2627	rVV4	164237	514185	26.85%	2.362%
40	17.562	2627	2631	2643	rVB6	84217	215373	11.25%	0.989%
41	17.727	2651	2659	2665	rBV5	65658	184328	9.63%	0.847%
42	17.786	2665	2669	2676	rVB6	37273	86347	4.51%	0.397%
43	17.939	2690	2695	2700	rBV8	15165	35630	1.86%	0.164%
44	18.174	2729	2735	2745	rBV9	14135	49773	2.60%	0.229%
45	18.280	2749	2753	2764	rVB9	20457	53522	2.79%	0.246%
46	18.403	2769	2774	2783	rVB8	22027	56481	2.95%	0.259%

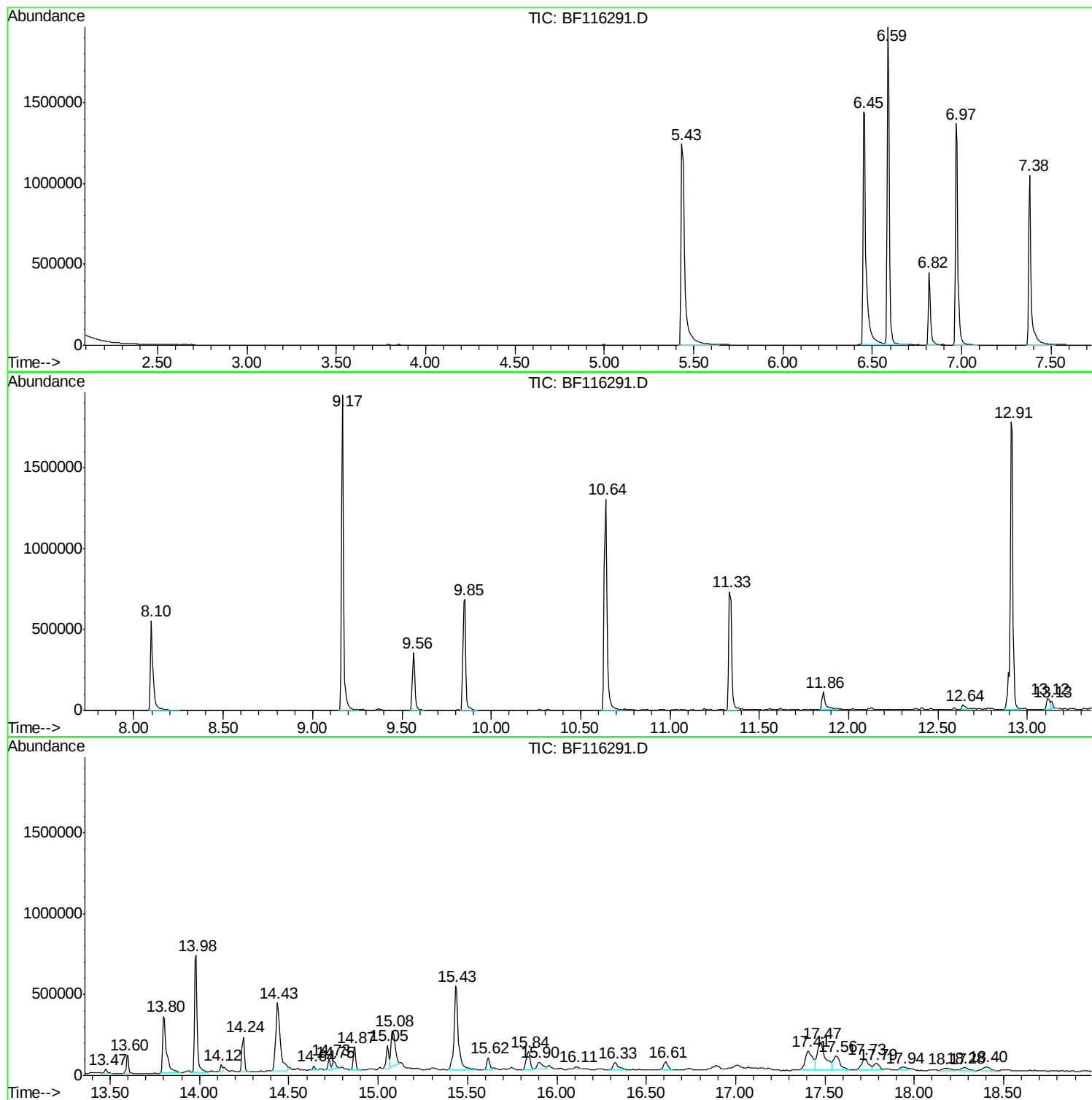
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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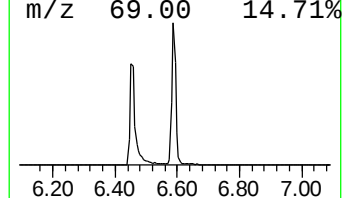
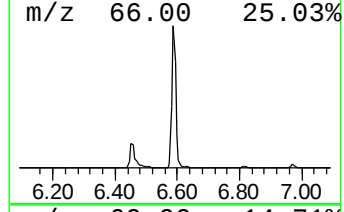
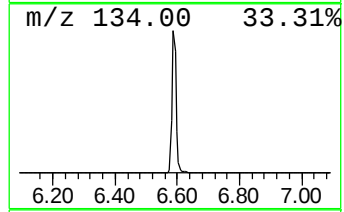
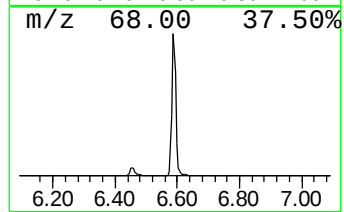
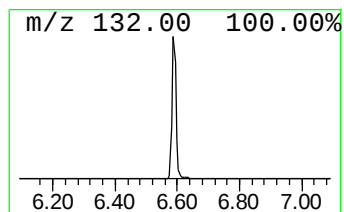
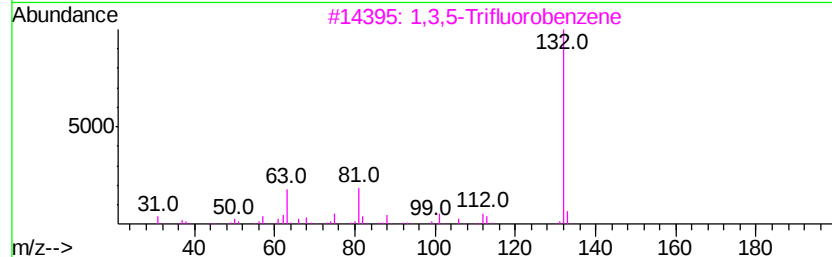
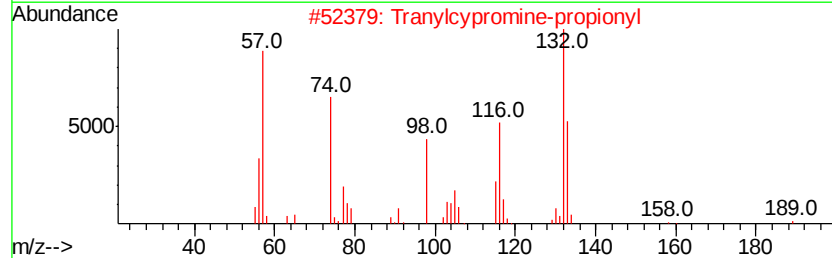
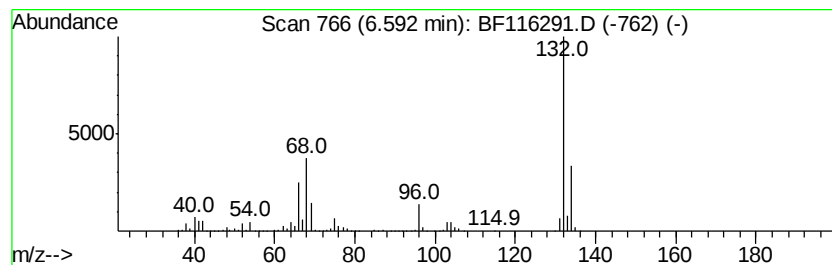
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.59 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	85.57 ng	1816910	1,4-Dichlorobenzene-d4	6.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9



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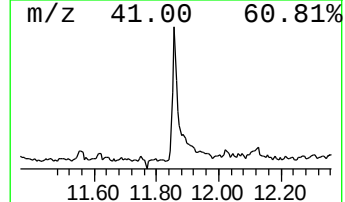
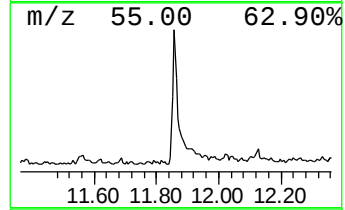
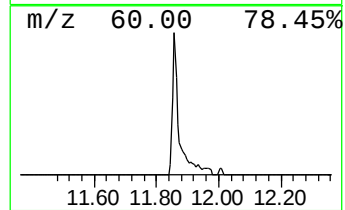
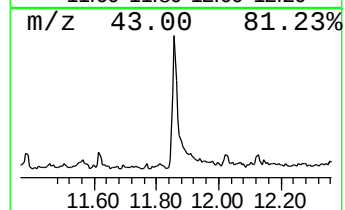
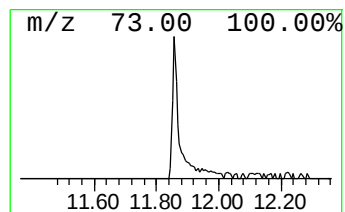
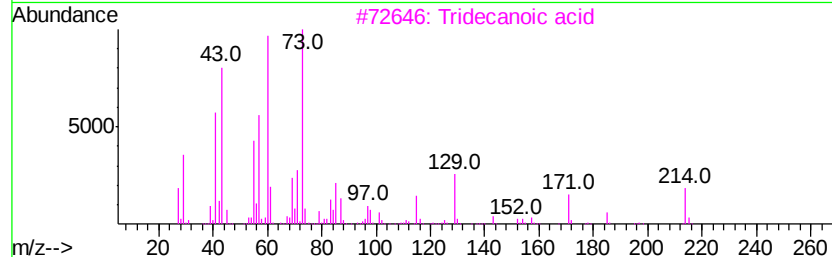
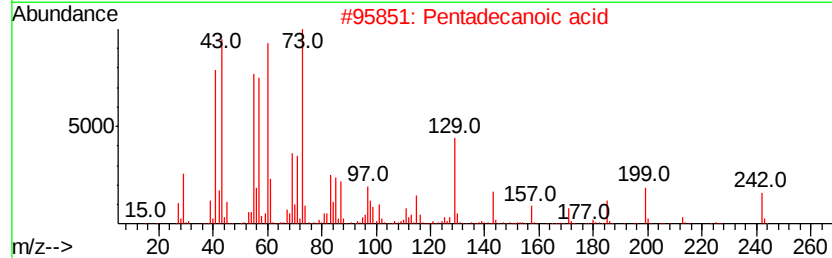
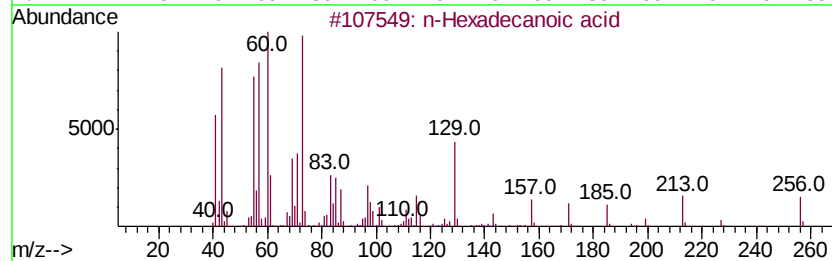
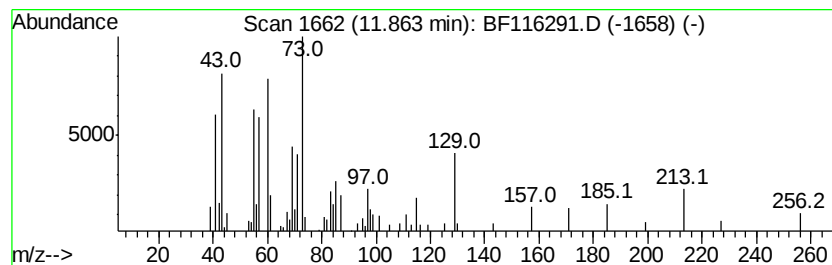
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Pentadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.86	4.03 ng	147693	Phenanthrene-d10	11.33	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3	Tridecanoic acid	214	C13H26O2	000638-53-9	74
4	Lactose	342	C12H22O11	000063-42-3	47
5	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	18



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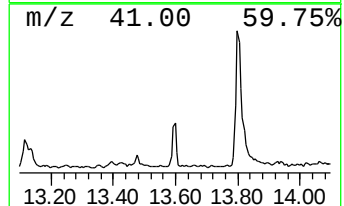
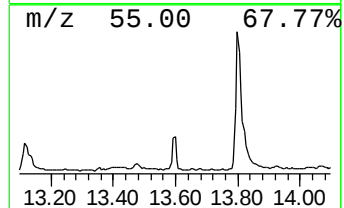
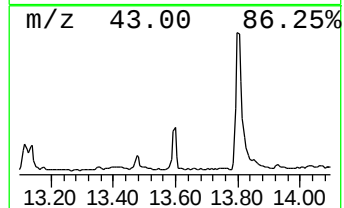
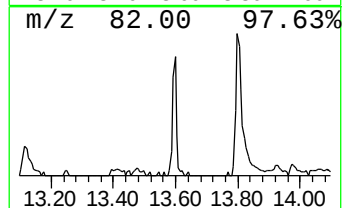
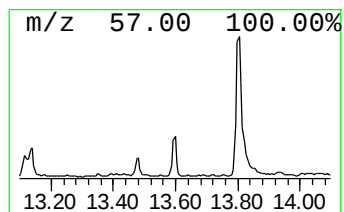
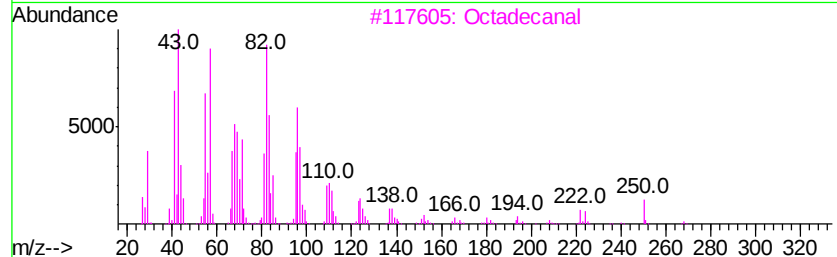
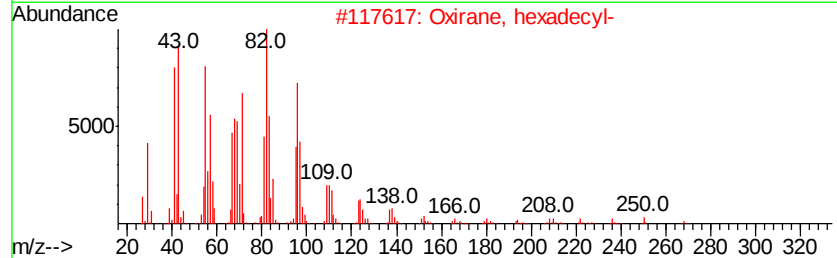
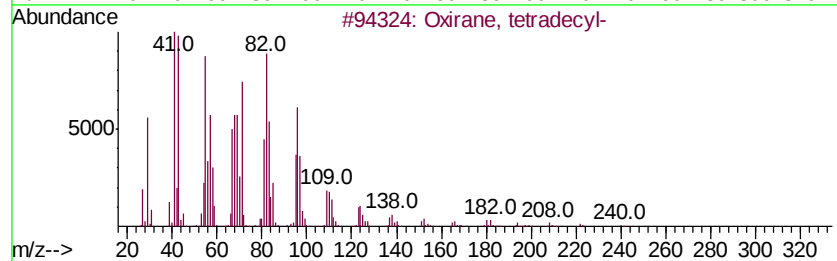
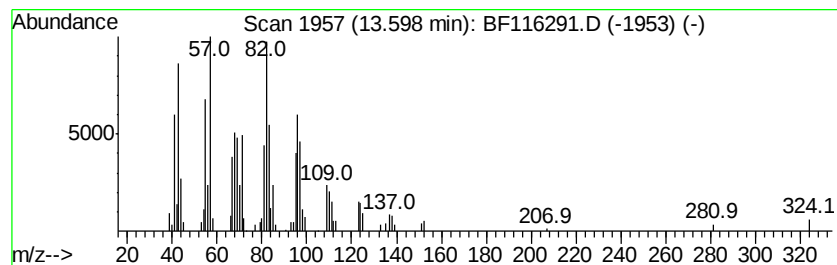
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Oxirane, tetradecyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	2.40 ng	98504	Chrysene-d12	13.98

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Oxirane, tetradecyl-	240	C16H32O	007320-37-8	91
2		Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91
3		Octadecanal	268	C18H36O	000638-66-4	91
4		Heptadecanal	254	C17H34O	1000376-70-0	91
5		16-Heptadecenal	252	C17H32O	1000144-57-9	91



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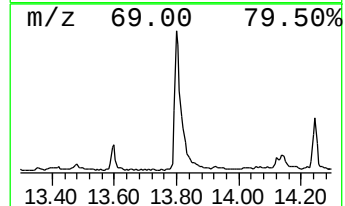
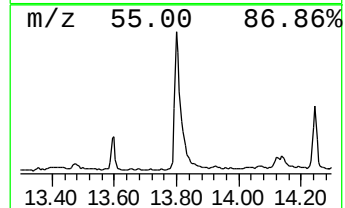
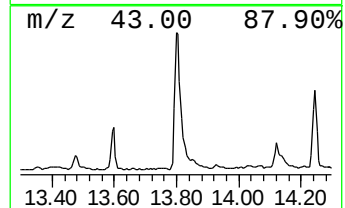
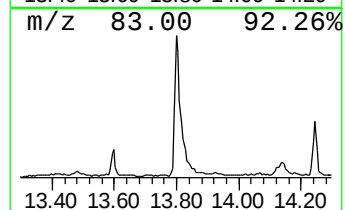
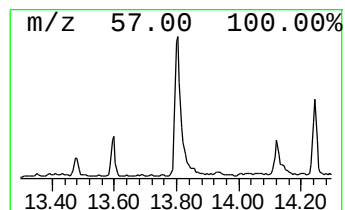
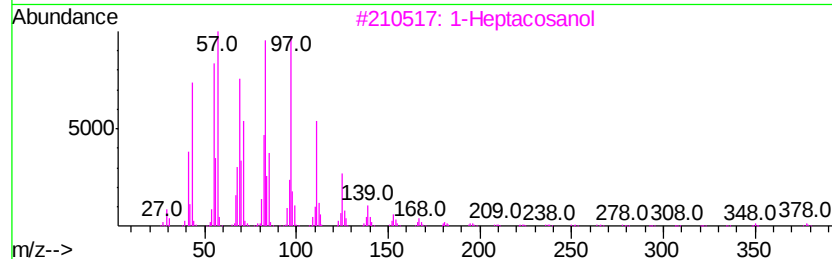
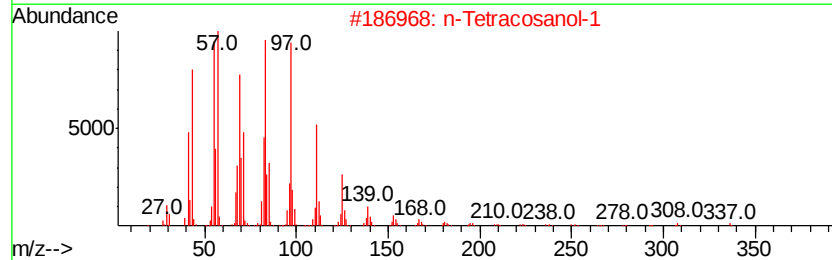
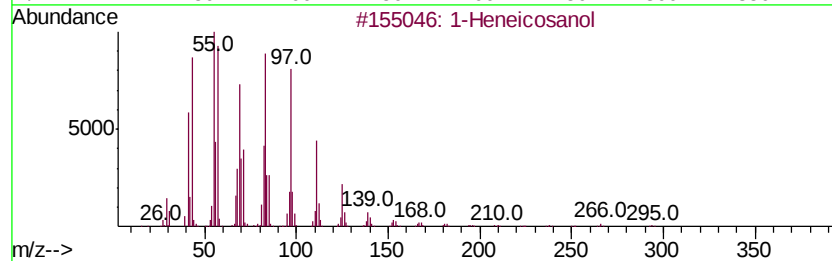
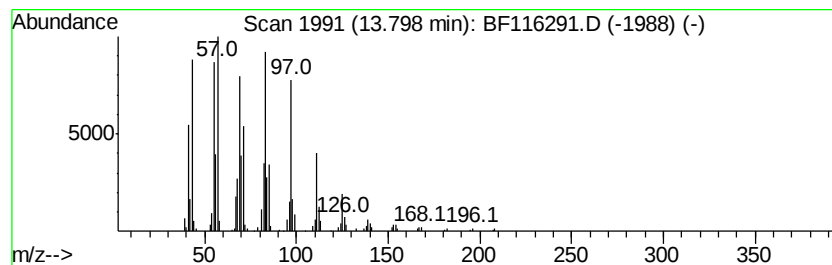
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 n-Tetracosanol-1 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	13.27 ng	543793	Chrysene-d12	13.98

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Heneicosanol	312	C21H44O	015594-90-8	95
2		n-Tetracosanol-1	354	C24H50O	000506-51-4	94
3		1-Heptacosanol	396	C27H56O	002004-39-9	93
4		Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	92
5		Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91



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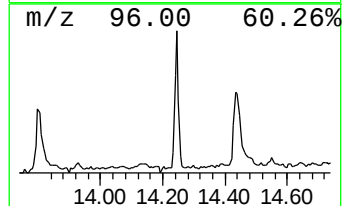
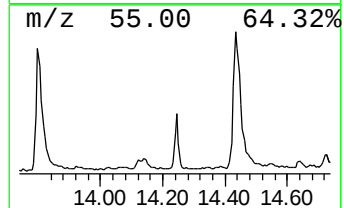
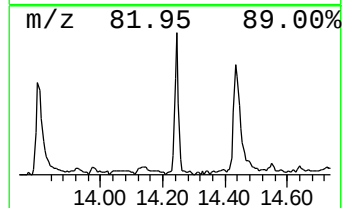
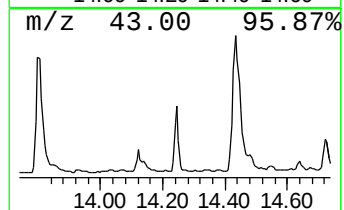
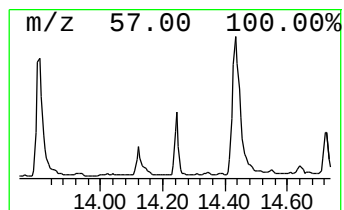
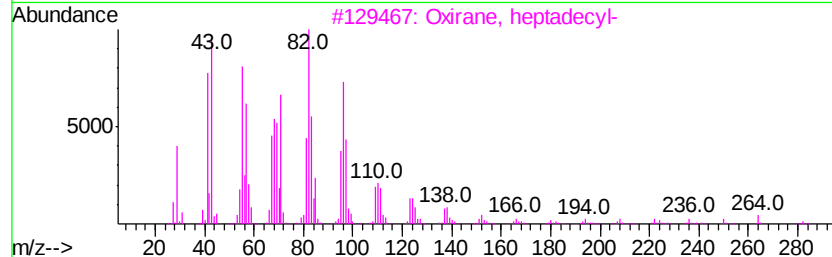
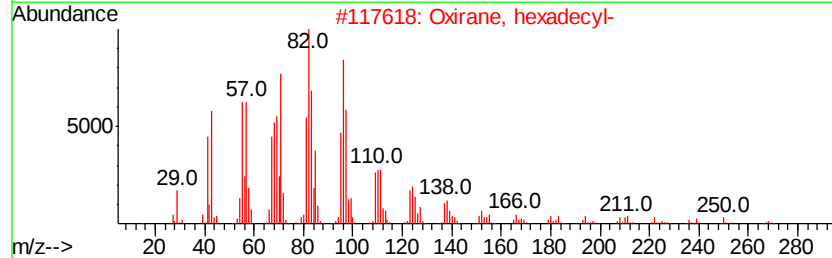
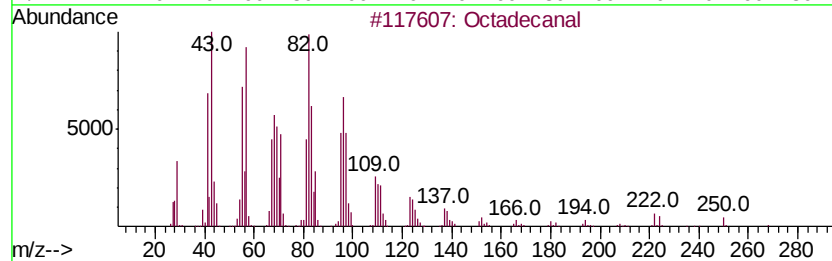
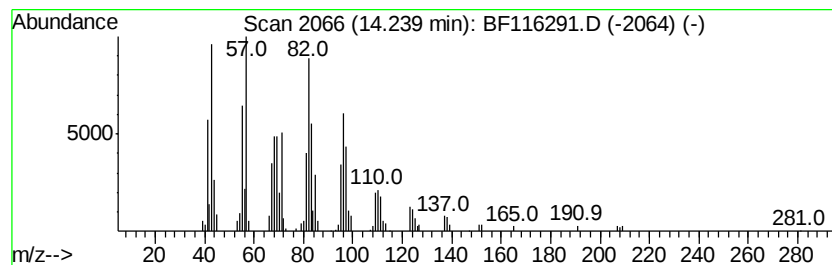
Instrument :
BNA_F
ClientSampleId :
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Octadecanal Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.24	4.48 ng	183685	Chrysene-d12		13.98	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octadecanal	268	C18H36O	000638-66-4	91
2		Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91
3		Oxirane, heptadecyl-	282	C19H38O	067860-04-2	91
4		Oxirane, tetradecyl-	240	C16H32O	007320-37-8	91
5		17-Octadecenal	266	C18H34O	056554-86-0	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081519\
Data File : BF116291.D
Acq On : 15 Aug 2019 21:10
Operator : HP/JU
Sample : K4356-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

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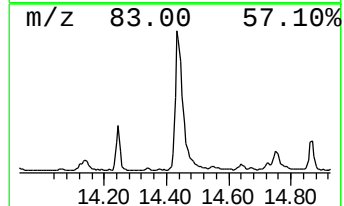
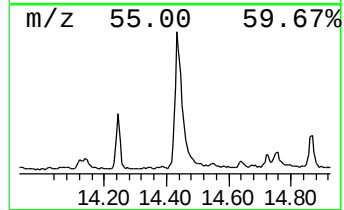
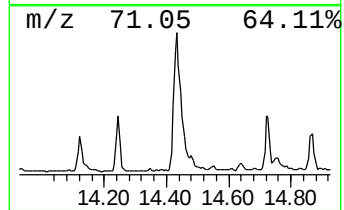
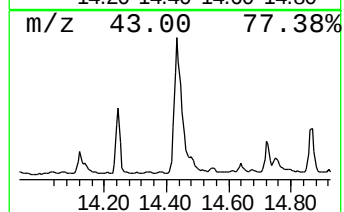
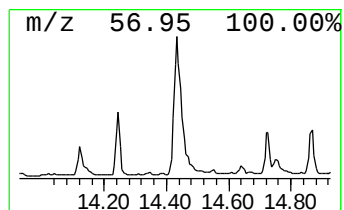
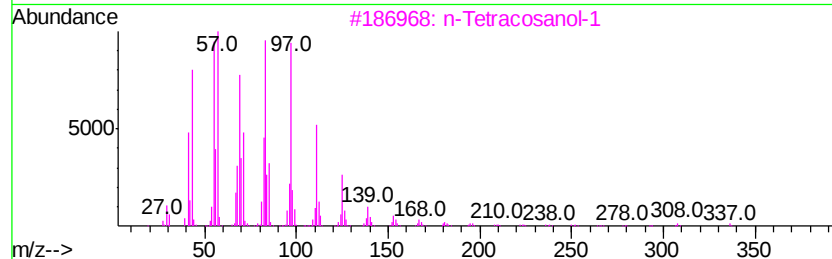
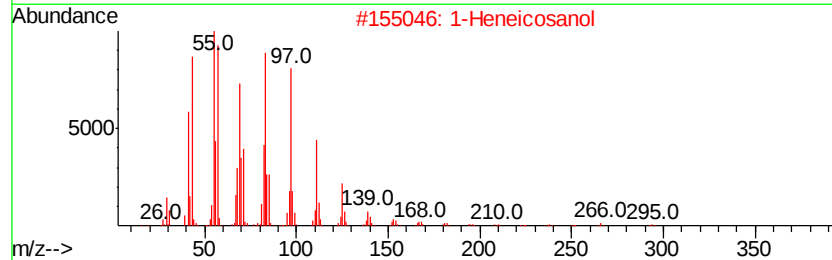
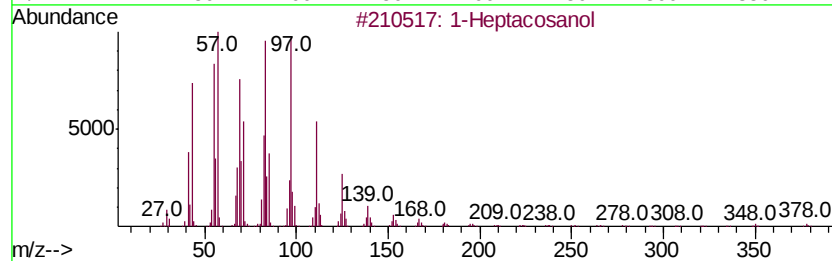
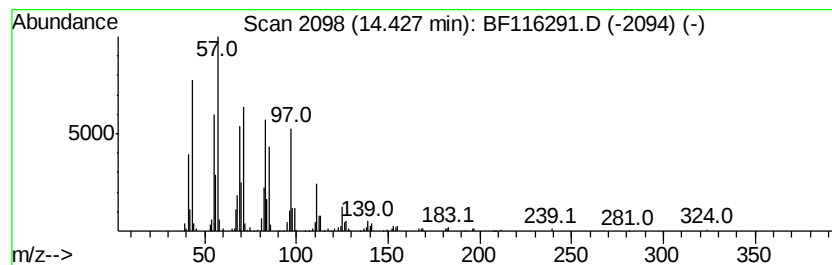
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1-Heneicosanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	18.23 ng	746969	Chrysene-d12	13.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Heptacosanol	396	C27H56O	002004-39-9	94
2		1-Heneicosanol	312	C21H44O	015594-90-8	93
3		n-Tetracosanol-1	354	C24H50O	000506-51-4	93
4		Behenic alcohol	326	C22H46O	000661-19-8	93
5		1-Heneicosyl formate	340	C22H44O2	077899-03-7	91



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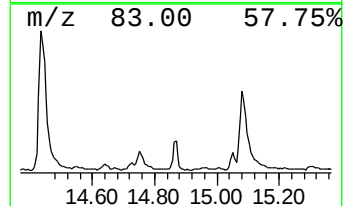
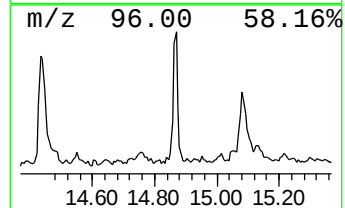
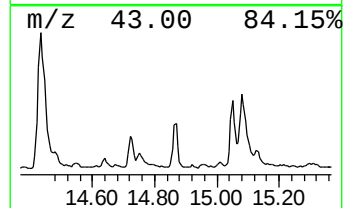
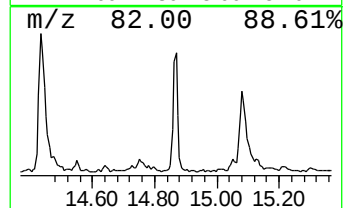
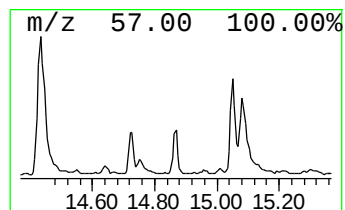
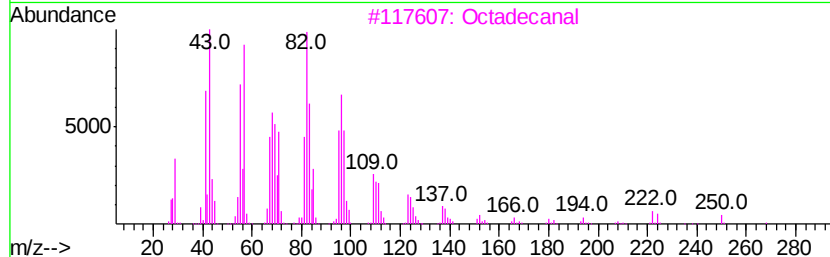
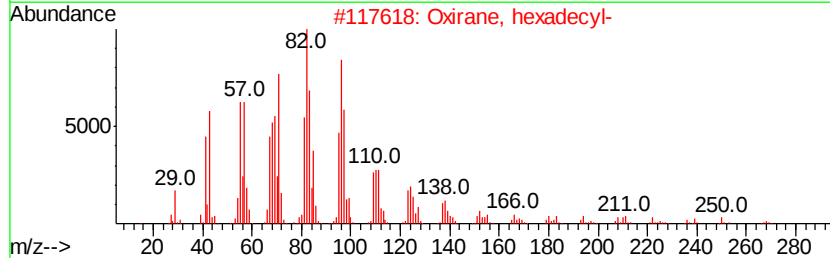
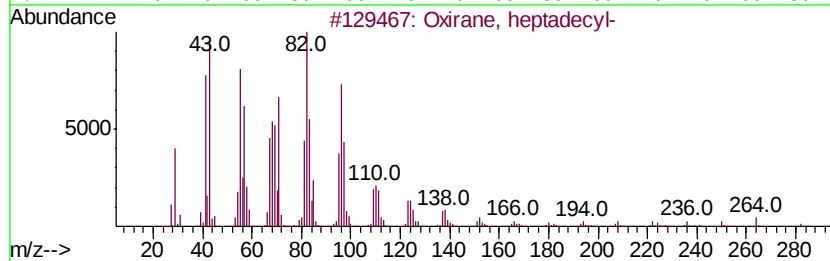
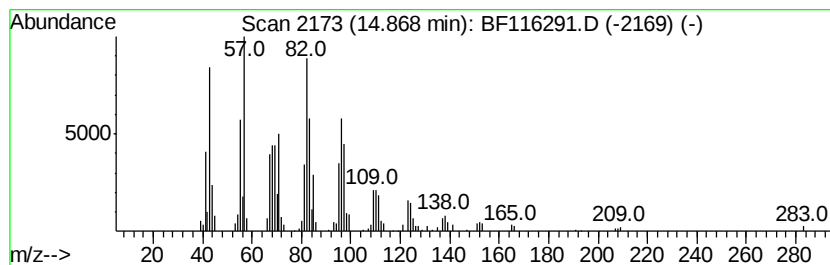
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Oxirane, heptadecyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	3.42 ng	148478	Perylene-d12	15.44
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Oxirane, heptadecyl-	282 C19H38O	067860-04-2	91
2	Oxirane, hexadecyl-	268 C18H36O	007390-81-0	91
3	Octadecanal	268 C18H36O	000638-66-4	91
4	1,19-Eicosadiene	278 C20H38	014811-95-1	83
5	Hexadecanal	240 C16H32O	000629-80-1	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081519\
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Acq On : 15 Aug 2019 21:10
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Sample : K4356-07
Misc :
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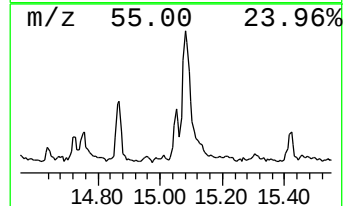
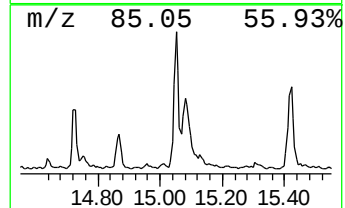
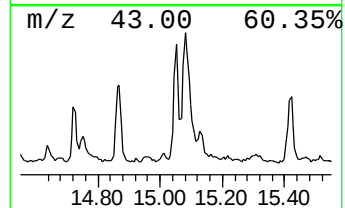
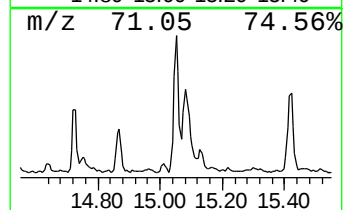
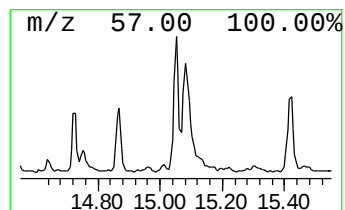
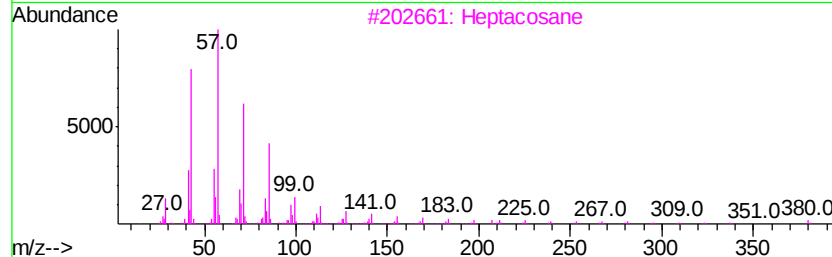
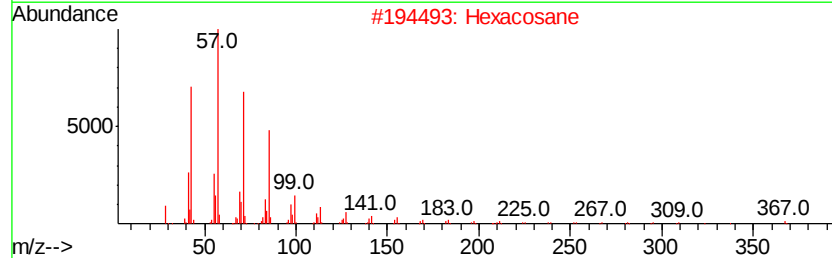
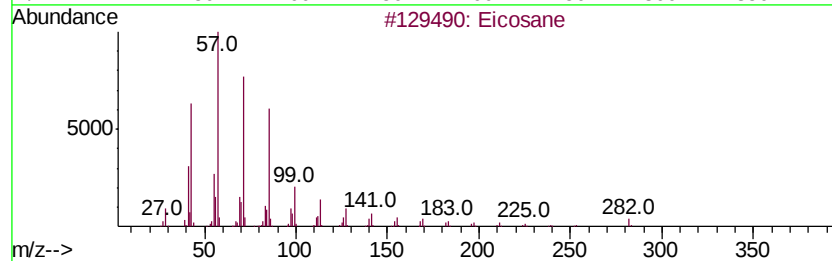
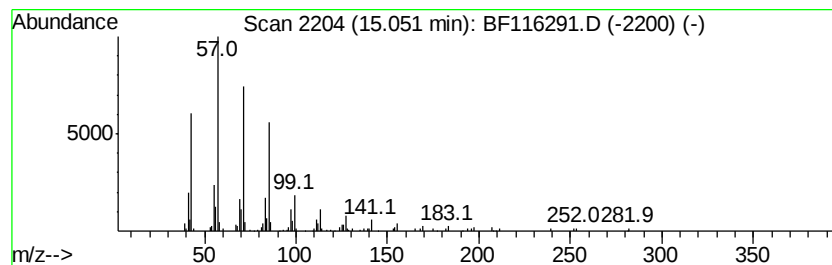
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Eicosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.
15.05	3.74 ng	162343	Perylene-d12		15.44
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	95
2	Hexacosane	366	C26H54	000630-01-3	91
3	Heptacosane	380	C27H56	000593-49-7	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	Octacosane	394	C28H58	000630-02-4	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081519\
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ALS Vial : 10 Sample Multiplier: 1

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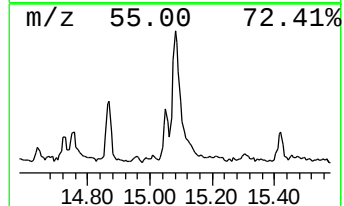
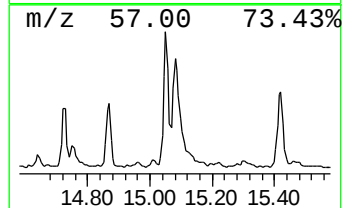
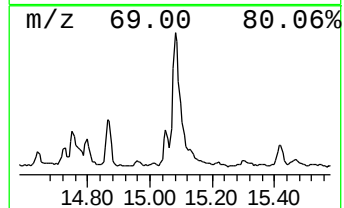
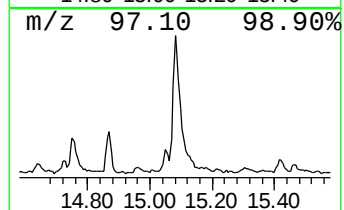
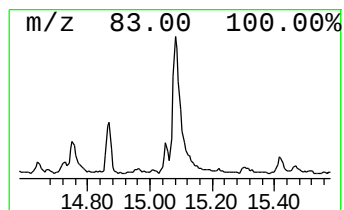
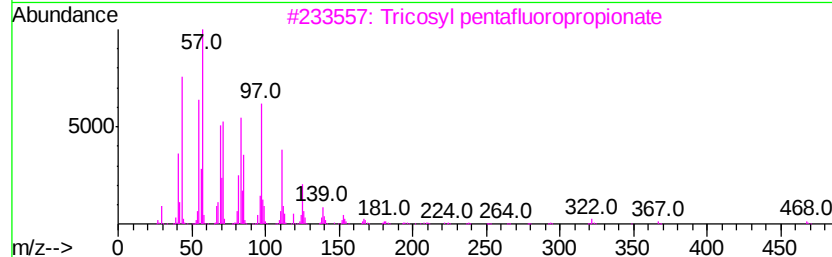
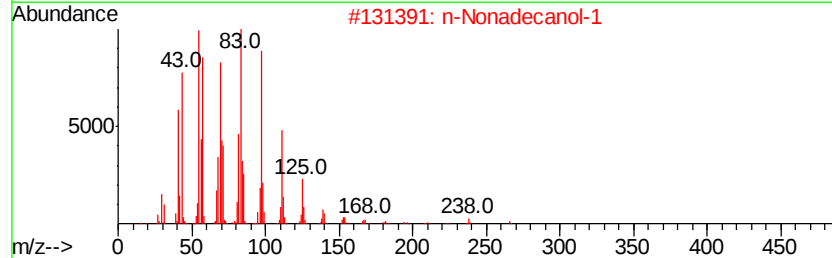
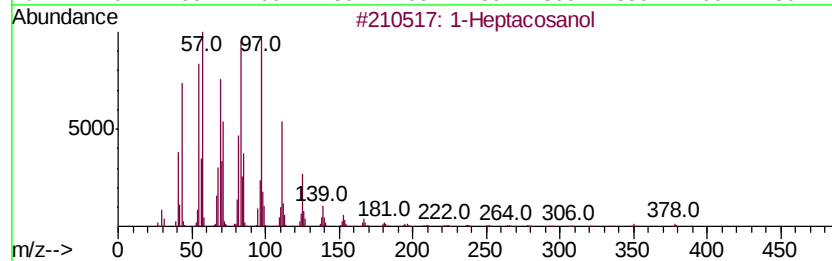
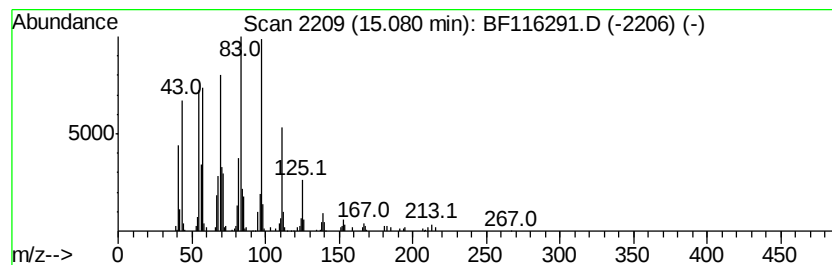
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1-Heptacosanol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.08	7.66 ng	332412	Perylene-d12	15.44

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Heptacosanol	396	C27H56O	002004-39-9	91
2		n-Nonadecanol-1	284	C19H40O	001454-84-8	64
3		Tricosyl pentafluoropropionate	486	C26H47F5O2	1000351-81-0	58
4		Cyclooctane, 1,2-diethyl-	168	C12H24	023609-46-3	58
5		3-Eicosene, (E)-	280	C20H40	074685-33-9	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081519\
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ClientSampleId :
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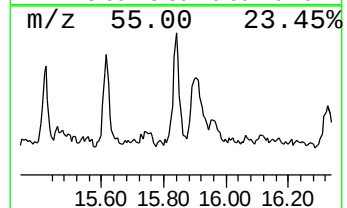
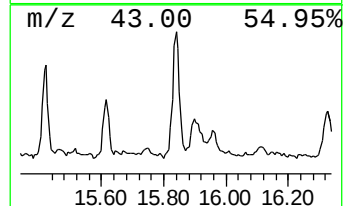
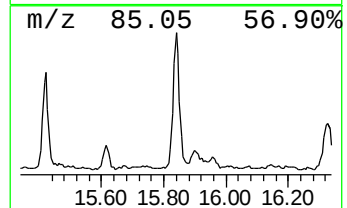
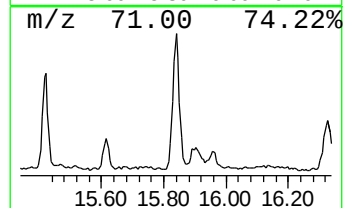
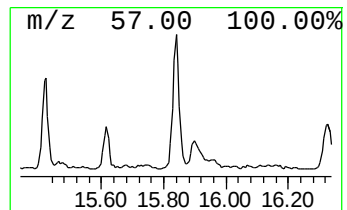
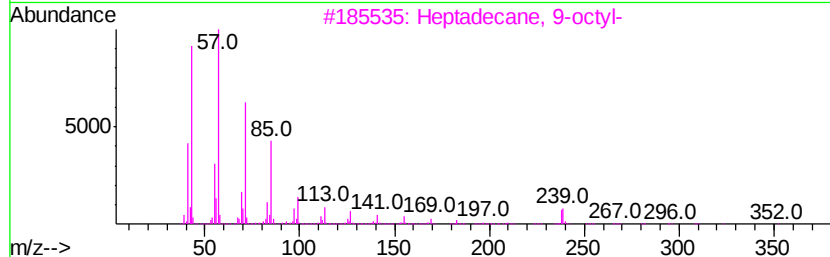
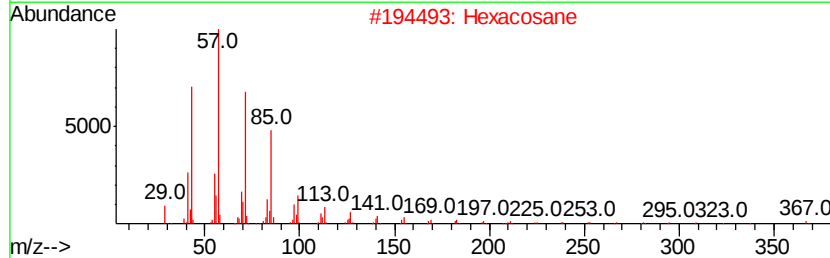
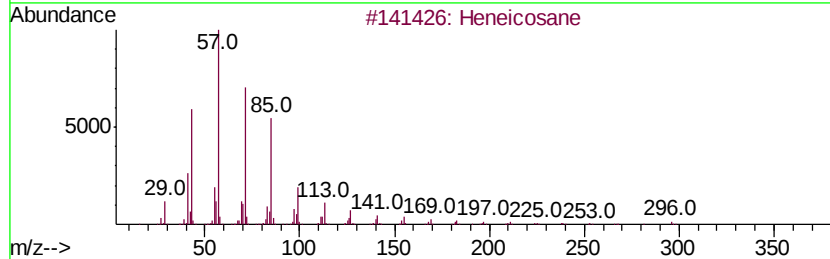
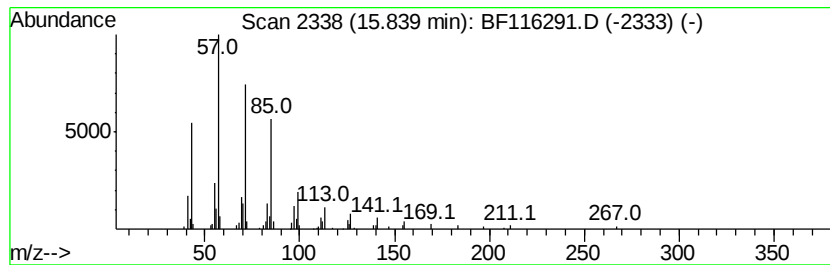
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Heneicosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.84	3.75 ng	162754	Perylene-d12	15.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	91
2		Hexacosane	366	C26H54	000630-01-3	91
3		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
4		2-methyloctacosane	408	C29H60	1000376-72-8	91
5		Octadecane, 2-methyl-	268	C19H40	001560-88-9	90



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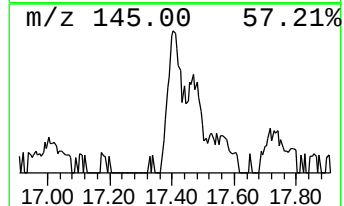
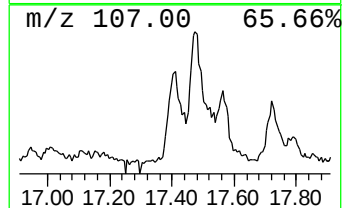
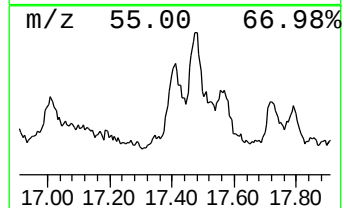
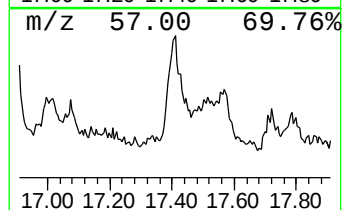
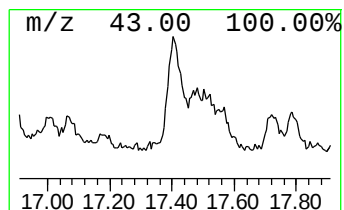
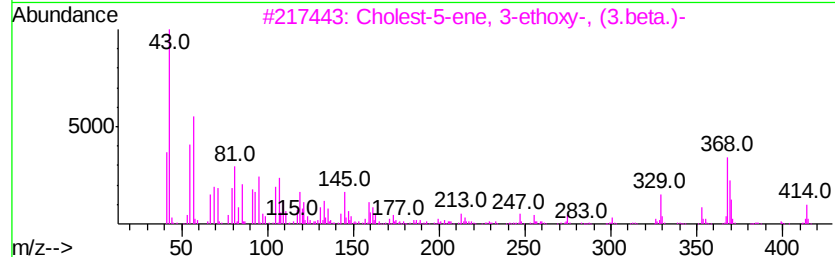
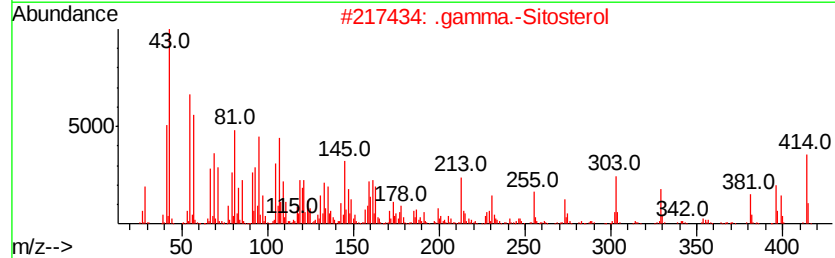
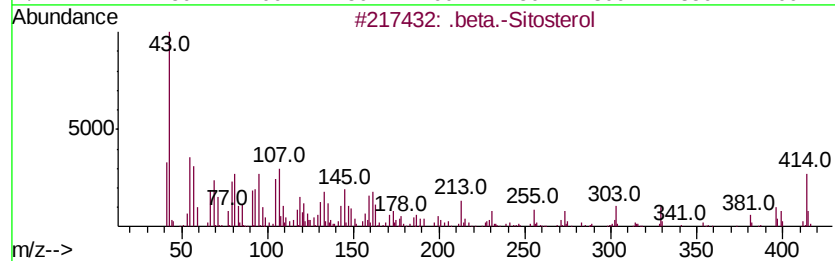
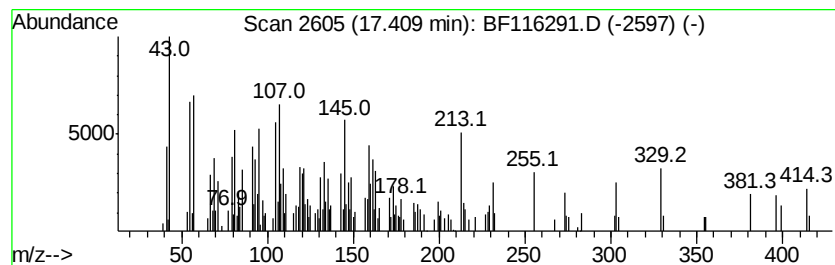
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 .beta.-Sitosterol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.41	7.94 ng	344175	Perylene-d12	15.44	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Sitosterol	414	C29H50O	000083-46-5	99
2	.gamma.-Sitosterol	414	C29H50O	000083-47-6	95
3	Cholest-5-ene, 3-ethoxy-, (3.beta...	414	C29H50O	000986-19-6	30
4	17-(1,5-Dimethylhexyl)-10,13-dim...	414	C29H50O	1000210-86-9	25
5	Stigmastan-3-en-6-ol	414	C29H50O	1000214-19-7	14



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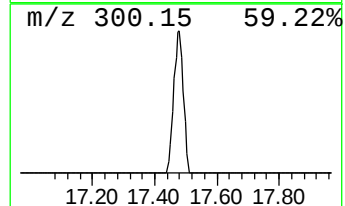
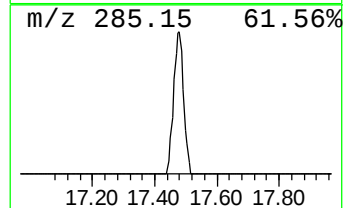
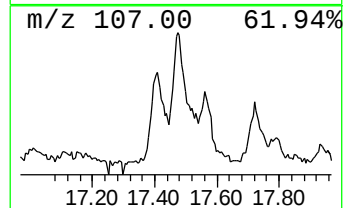
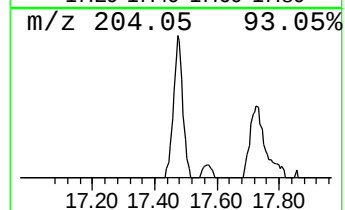
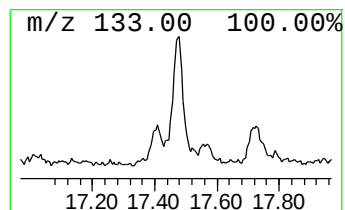
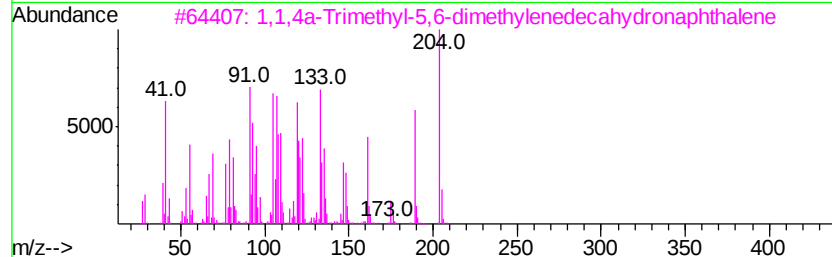
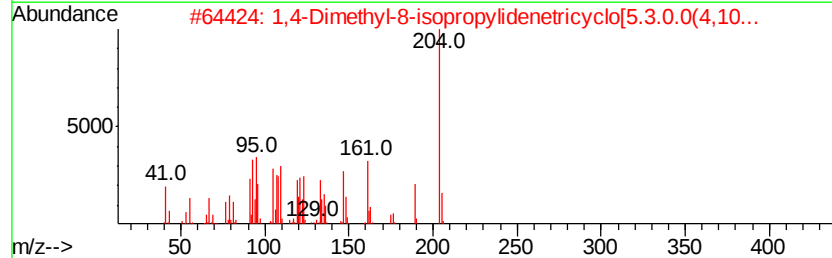
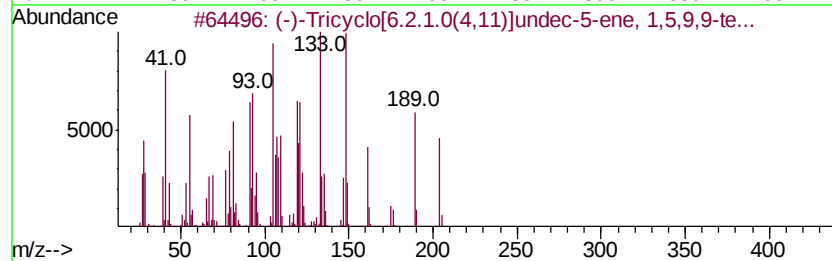
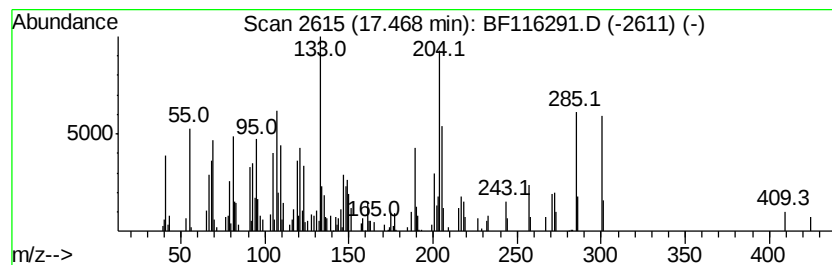
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 (-)-Tricyclo[6.2.1.0(4,11)]... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.47	11.86 ng	514185	Perylene-d12	15.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(-)-Tricyclo[6.2.1.0(4,11)]undec...	204	C15H24	1000154-06-7	53
2		1,4-Dimethyl-8-isopropylidenetri...	204	C15H24	1000140-07-7	41
3		1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	38
4		Naphthalene, decahydro-4a-methyl...	204	C15H24	017066-67-0	30
5		1,4-Methano-1H-indene, octahydro...	204	C15H24	087064-18-4	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081519\
Data File : BF116291.D
Acq On : 15 Aug 2019 21:10
Operator : HP/JU
Sample : K4356-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
TP-4

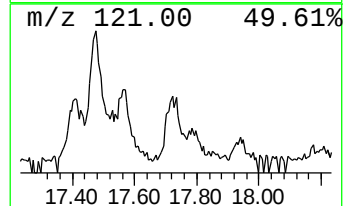
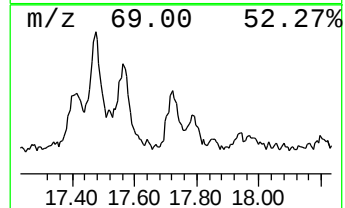
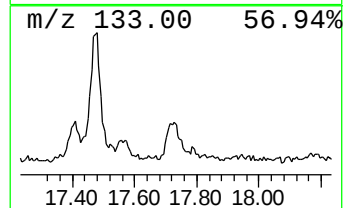
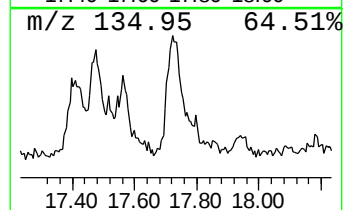
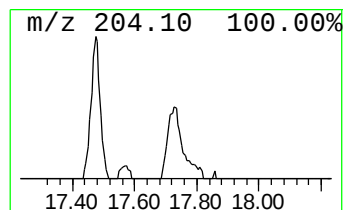
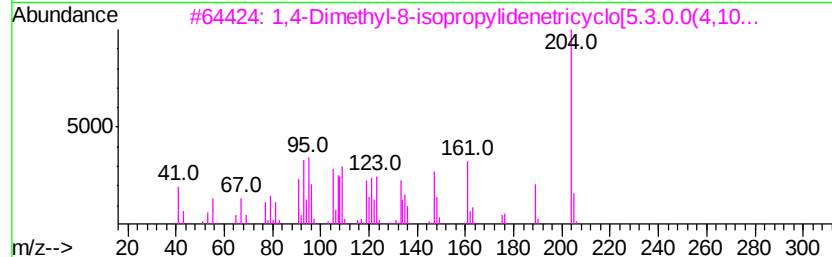
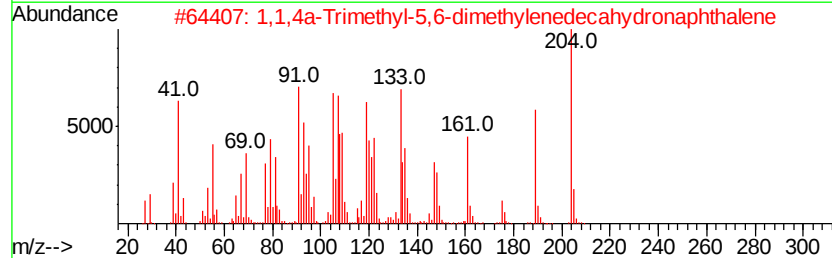
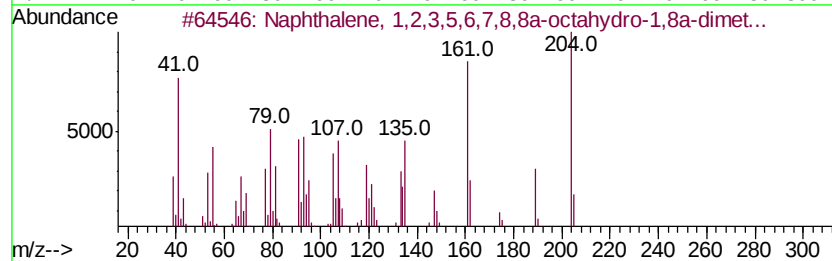
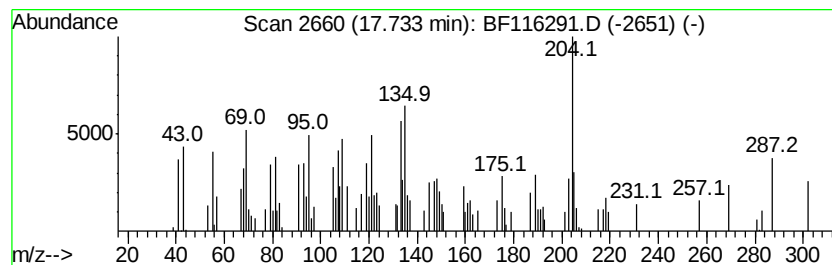
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Naphthalene, 1,2,3,5,6,7,8,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.73	4.25 ng	184328	Perylene-d12	15.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	004630-07-3	58
2		1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	53
3		1,4-Dimethyl-8-isopropylidenetri...	204	C15H24	1000140-07-7	52
4		Aciphyllene	204	C15H24	087745-31-1	50
5		Guaia-3,9-diene	204	C15H24	000489-83-8	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081519\
 Data File : BF116291.D
 Acq On : 15 Aug 2019 21:10
 Operator : HP/JU
 Sample : K4356-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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
unknown6.59	6.59	85.6	ng	1816910	1	6.82	424651	20.0
Pentadecanoic acid	11.86	4.0	ng	147693	4	11.33	732542	20.0
Oxirane, tetradecyl-	13.60	2.4	ng	98504	5	13.98	819625	20.0
n-Tetracosanol-1	13.80	13.3	ng	543793	5	13.98	819625	20.0
Octadecanal	14.24	4.5	ng	183685	5	13.98	819625	20.0
1-Heneicosanol	14.43	18.2	ng	746969	5	13.98	819625	20.0
Oxirane, heptadecyl-	14.87	3.4	ng	148478	6	15.44	867404	20.0
Eicosane	15.05	3.7	ng	162343	6	15.44	867404	20.0
1-Heptacosanol	15.08	7.7	ng	332412	6	15.44	867404	20.0
Heneicosane	15.84	3.8	ng	162754	6	15.44	867404	20.0
.beta.-Sitosterol	17.41	7.9	ng	344175	6	15.44	867404	20.0
(-)-Tricyclo[6.2....	17.47	11.9	ng	514185	6	15.44	867404	20.0
unknown17.56	17.56	5.0	ng	215373	6	15.44	867404	20.0
Naphthalene, 1,2,...	17.73	4.3	ng	184328	6	15.44	867404	20.0