

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081518\
 Data File : BF108172.D
 Acq On : 15 Aug 2018 18:21
 Operator : JU/SJ
 Sample : J4460-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-080918-SW-002

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-BF080818.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	2.384	3	8	23	rVB	434730	712546	14.83%	1.151%
2	4.190	311	315	320	rVB	54574	64749	1.35%	0.105%
3	5.260	492	497	504	rBV	587419	735838	15.32%	1.188%
4	5.648	556	563	566	rBV	3776354	3552921	73.96%	5.738%
5	6.636	725	731	734	rBV	3937523	3972410	82.70%	6.416%
6	6.784	752	756	760	rBV	3735380	3819319	79.51%	6.169%
7	6.836	762	765	769	rVB	88362	69146	1.44%	0.112%
8	7.013	792	795	799	rBV	1334783	1225252	25.51%	1.979%
9	7.172	818	822	825	rBV	3276986	2778865	57.85%	4.488%
10	7.578	886	891	894	rBV	2689717	2584163	53.80%	4.174%
11	8.301	1009	1014	1017	rBV	1764101	1600247	33.31%	2.585%
12	8.701	1079	1082	1085	rVB	68690	54055	1.13%	0.087%
13	8.872	1106	1111	1113	rBV	77995	69154	1.44%	0.112%
14	9.013	1132	1135	1138	rVB	175237	147629	3.07%	0.238%
15	9.113	1148	1152	1155	rBV	158079	138452	2.88%	0.224%
16	9.372	1191	1196	1199	rBV	4677137	4243509	88.34%	6.854%
17	9.436	1204	1207	1210	rVV	97689	83112	1.73%	0.134%
18	9.636	1237	1241	1246	rBV	78839	104823	2.18%	0.169%
19	9.713	1250	1254	1256	rBV	143026	135969	2.83%	0.220%
20	9.742	1256	1259	1260	rVV	109151	100339	2.09%	0.162%
21	9.760	1260	1262	1270	rVB	547999	481556	10.02%	0.778%
22	9.830	1270	1274	1276	rBV2	78626	81397	1.69%	0.131%
23	9.919	1286	1289	1292	rVB	52556	50197	1.04%	0.081%
24	9.972	1294	1298	1301	rVB	136565	116449	2.42%	0.188%
25	10.060	1306	1313	1317	rBV	1824144	1865015	38.82%	3.012%
26	10.260	1343	1347	1350	rVV2	109074	145547	3.03%	0.235%
27	10.295	1350	1353	1357	rVB3	76858	84357	1.76%	0.136%
28	10.372	1363	1366	1369	rBV	69423	77766	1.62%	0.126%
29	10.401	1369	1371	1377	rVV2	67183	74267	1.55%	0.120%
30	10.472	1377	1383	1387	rVV2	228416	281015	5.85%	0.454%
31	10.601	1402	1405	1412	rVB2	106732	103962	2.16%	0.168%
32	10.689	1416	1420	1423	rVV2	104408	110415	2.30%	0.178%
33	10.766	1428	1433	1436	rBV2	66008	83061	1.73%	0.134%
34	10.854	1444	1448	1454	rBV	2389355	2168293	45.14%	3.502%

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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 >
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35	10.960	1461	1466	1474	rVB2	267825	437185	9.10%	0.706%
36	11.289	1517	1522	1531	rBV7	76363	172203	3.58%	0.278%
37	11.395	1537	1540	1543	rBV	180490	161972	3.37%	0.262%
38	11.424	1543	1545	1548	rVB2	74149	70071	1.46%	0.113%
39	11.560	1564	1568	1570	rBV	2147722	1843248	38.37%	2.977%
40	11.583	1570	1572	1575	rVB	388164	296848	6.18%	0.479%
41	11.783	1603	1606	1610	rBV3	69982	101971	2.12%	0.165%
42	11.824	1610	1613	1616	rVV	153595	130291	2.71%	0.210%
43	12.071	1649	1655	1659	rBV2	731997	1449508	30.18%	2.341%
44	12.107	1659	1661	1664	rVB	357470	286740	5.97%	0.463%
45	12.171	1669	1672	1675	rBV3	103012	117572	2.45%	0.190%
46	12.236	1680	1683	1686	rVB	119739	112830	2.35%	0.182%
47	12.548	1726	1736	1737	rBV	969047	2114356	44.02%	3.415%
48	12.777	1772	1775	1779	rBV	544116	455151	9.48%	0.735%
49	12.860	1784	1789	1799	rVV	386550	740730	15.42%	1.196%
50	13.013	1812	1815	1820	rVB	387880	415061	8.64%	0.670%
51	13.148	1834	1838	1841	rVB	3555129	3183673	66.28%	5.142%
52	13.648	1915	1923	1930	rBV	2526766	4803663	100.00%	7.759%
53	14.060	1990	1993	1997	rVB2	148610	185303	3.86%	0.299%
54	14.212	2015	2019	2022	rBV2	1282152	1301923	27.10%	2.103%
55	14.371	2038	2046	2054	rVB	2463534	4786881	99.65%	7.732%
56	14.995	2145	2152	2158	rVB	1617882	3352428	69.79%	5.415%
57	15.301	2201	2204	2208	rBV	175000	279226	5.81%	0.451%
58	15.707	2266	2273	2279	rBV	769666	1541540	32.09%	2.490%
59	15.777	2280	2285	2290	rVB2	869725	1240756	25.83%	2.004%
60	16.242	2361	2364	2372	rVB	237267	416967	8.68%	0.673%

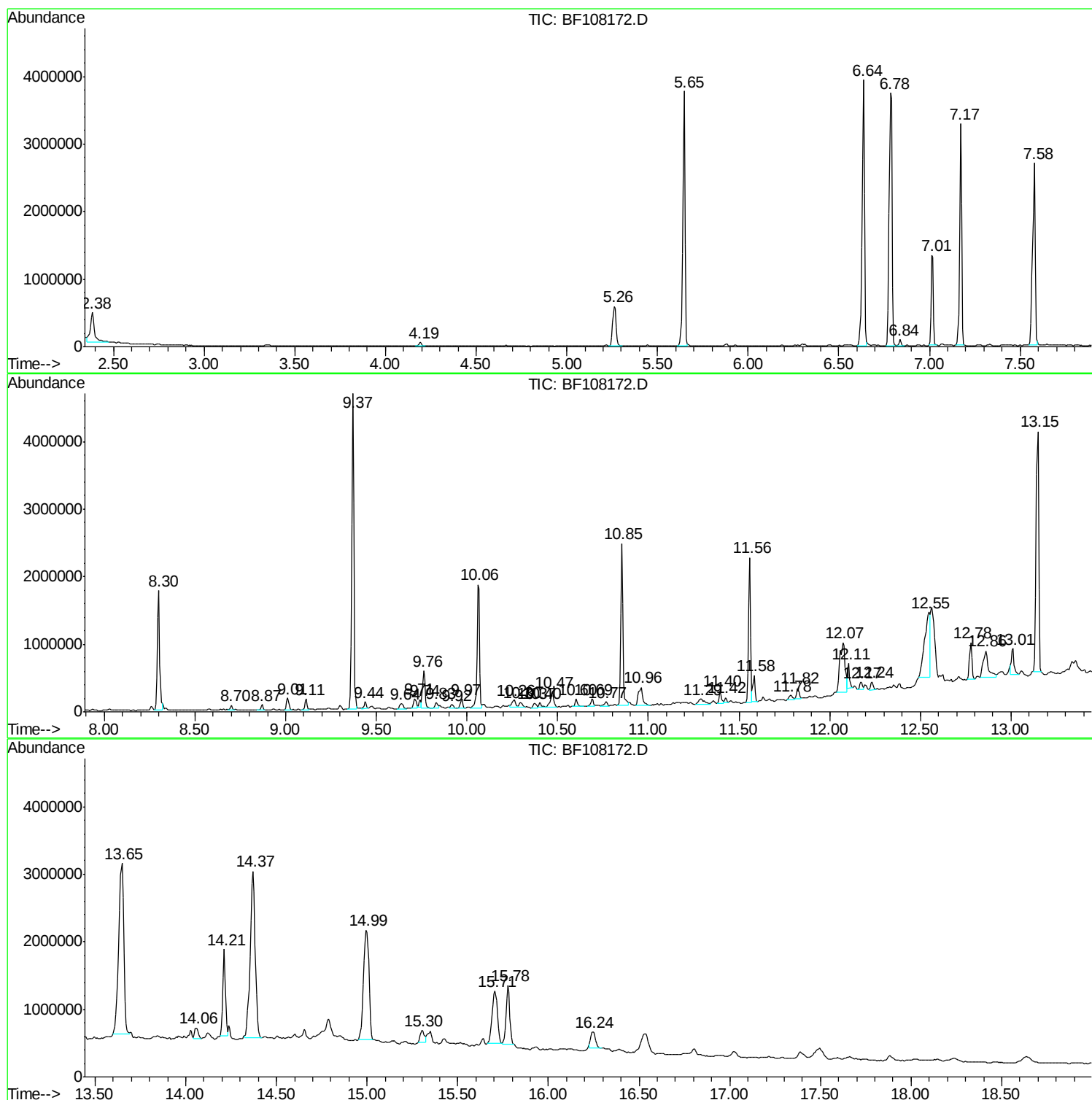
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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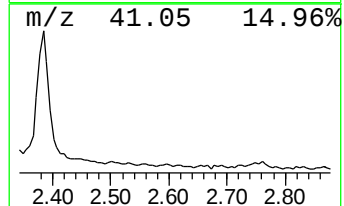
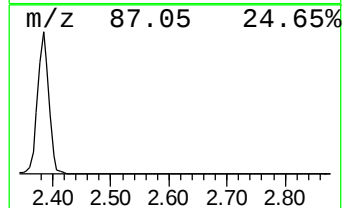
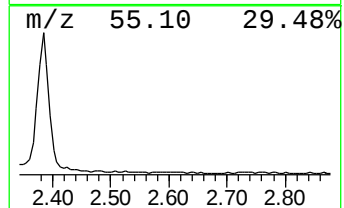
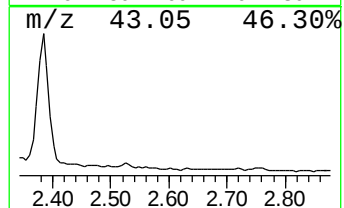
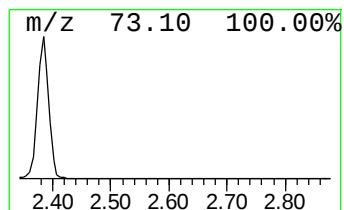
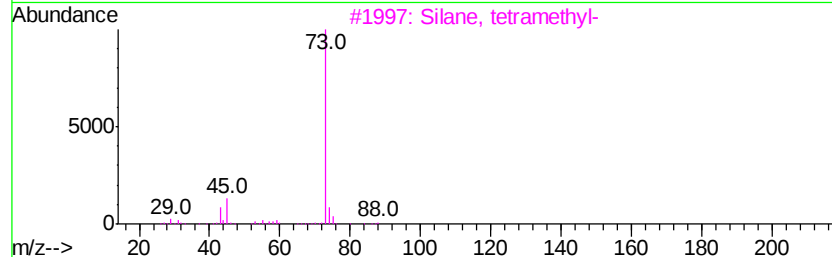
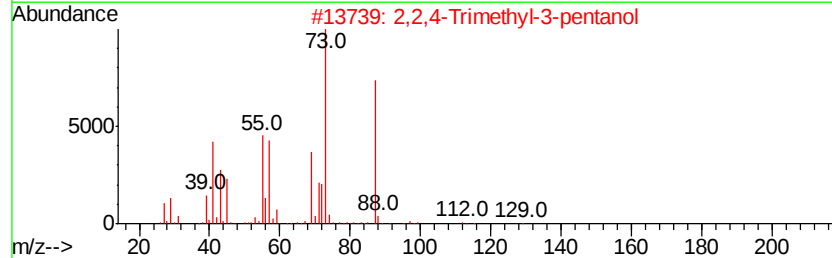
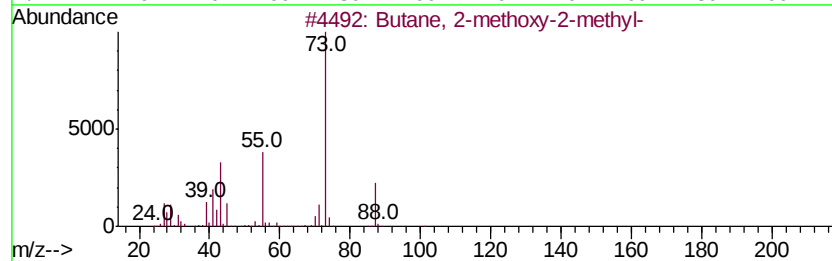
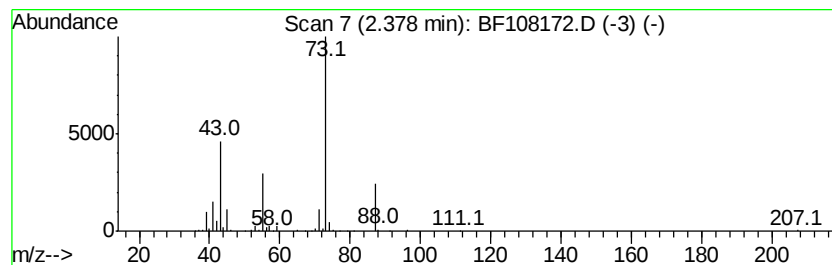
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.38	11.63 ng	712546	1,4-Dichlorobenzene-d4	7.02

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2		2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3		Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
4		2,5-Dimethyl-4-hydroxy-3-hexanone	144	C8H16O2	000815-77-0	33
5		N-Ethylformamide	73	C3H7NO	000627-45-2	9



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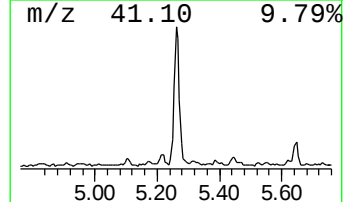
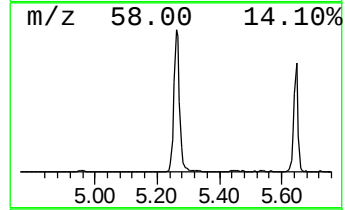
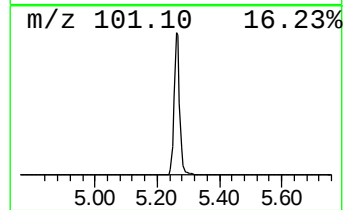
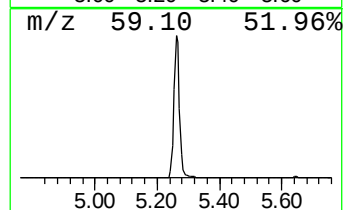
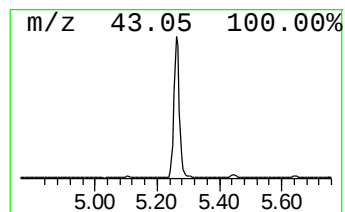
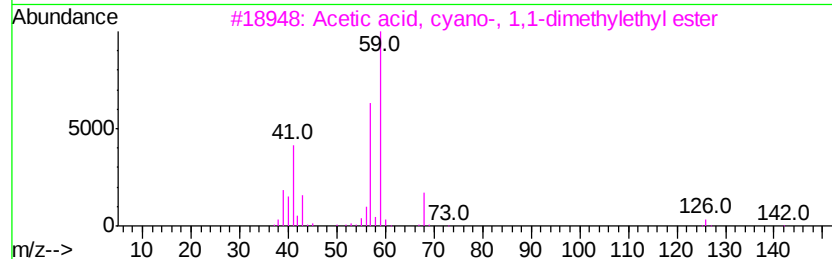
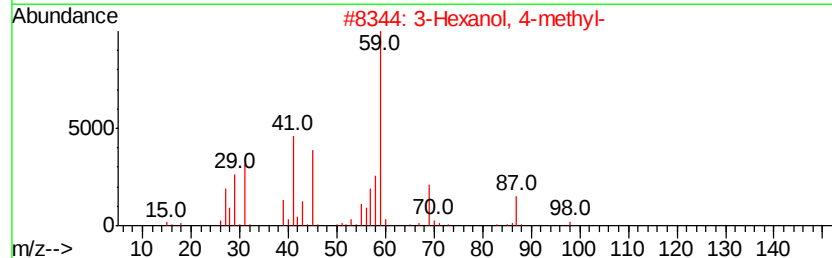
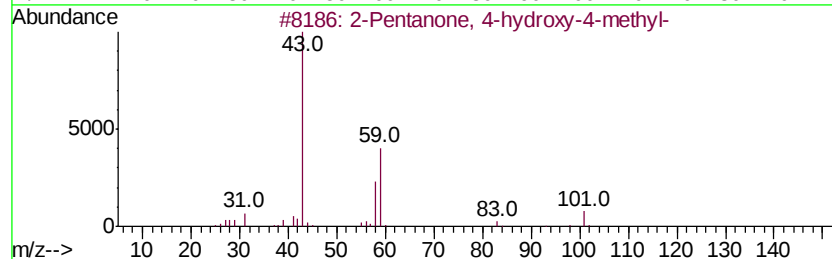
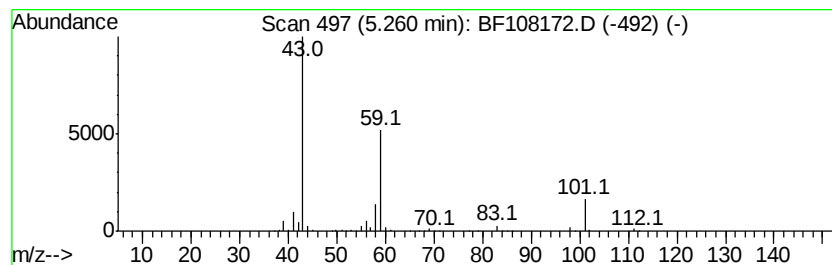
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.26	12.01 ng	735838	1,4-Dichlorobenzene-d4	7.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	25
4		3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	23
5		Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	17



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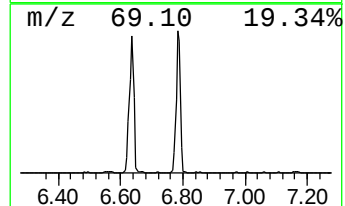
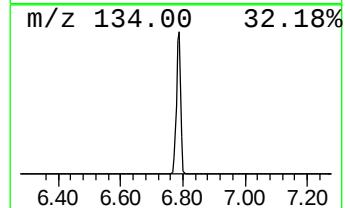
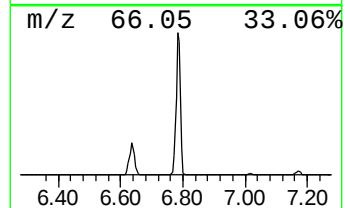
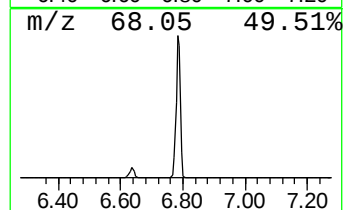
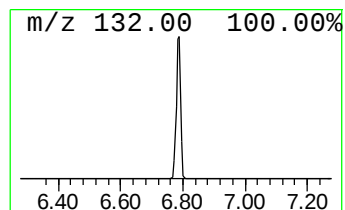
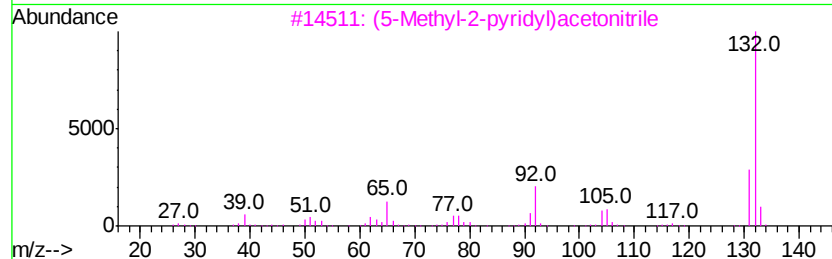
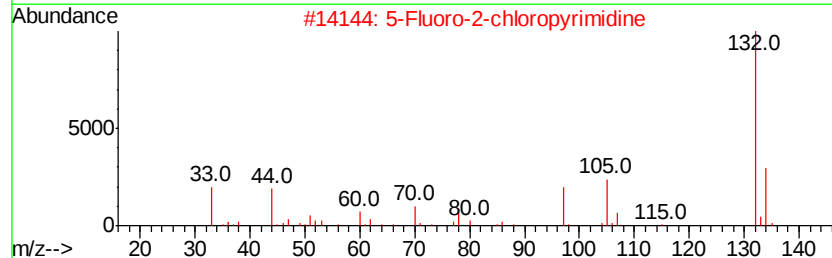
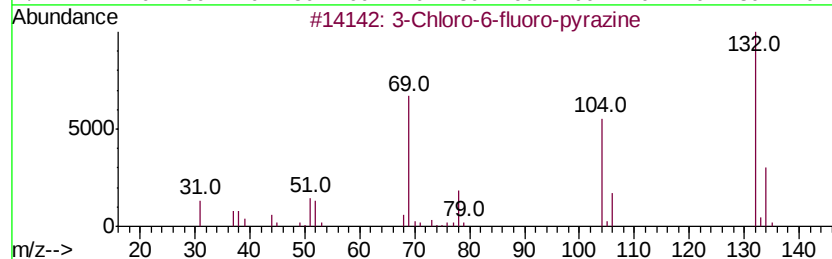
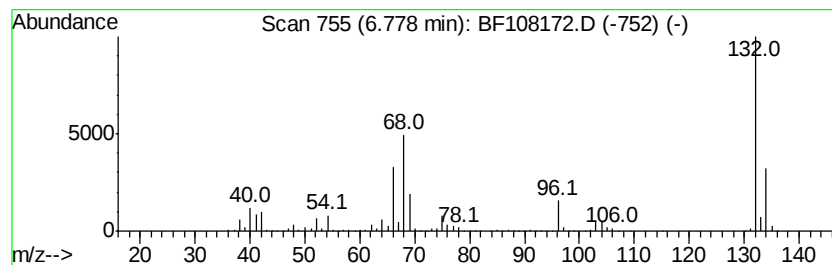
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown6.78 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.78	62.34 ng	3819320	1,4-Dichlorobenzene-d4	7.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3		(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10
4		Tranvlcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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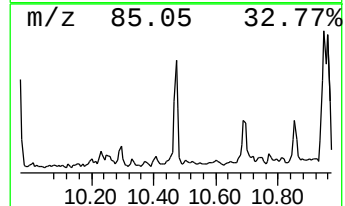
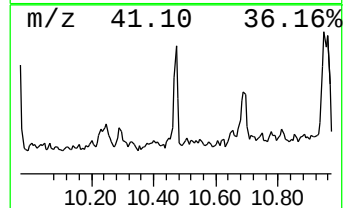
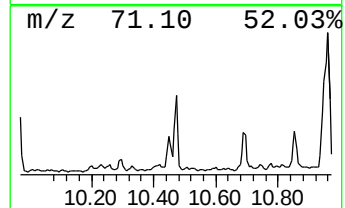
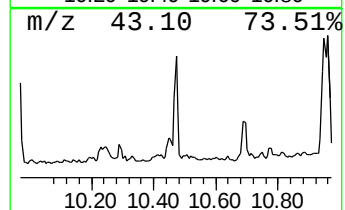
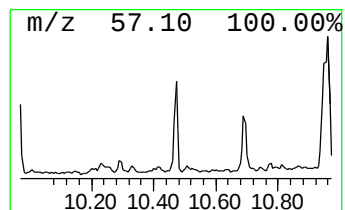
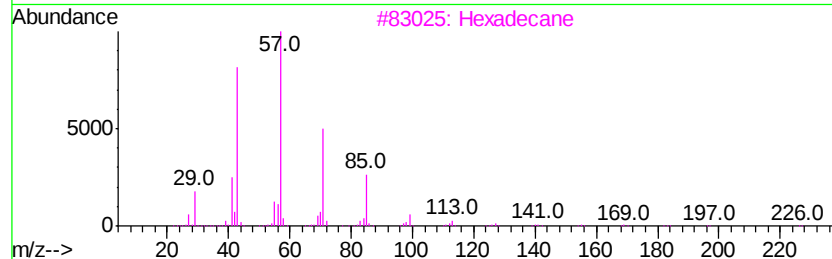
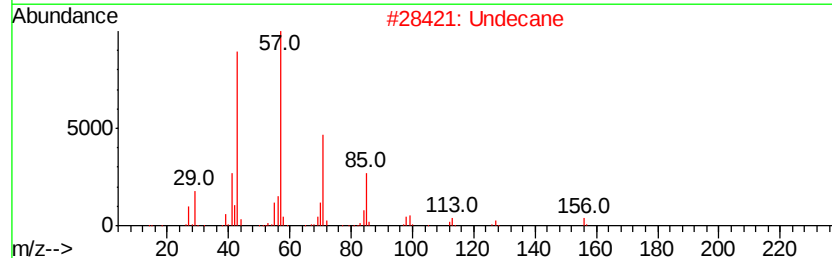
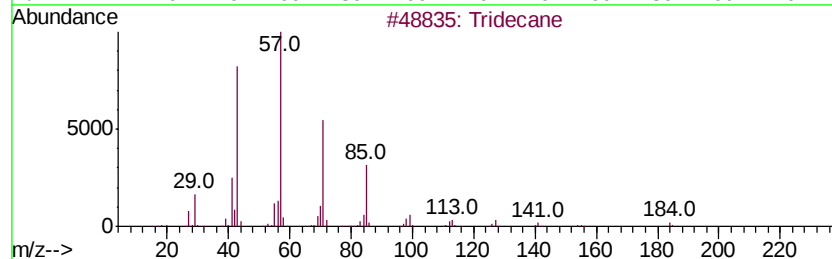
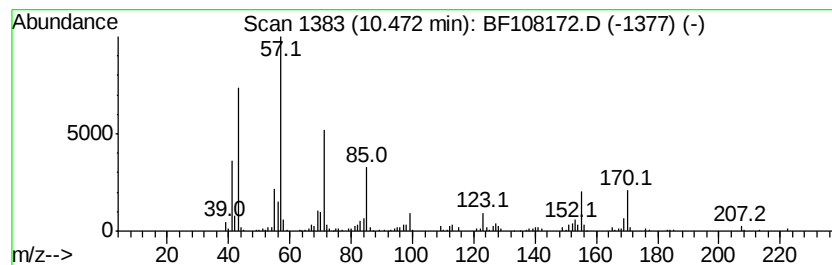
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Tridecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.47	3.01 ng	281015	Acenaphthene-d10		10.06
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	60
2	Undecane	156	C11H24	001120-21-4	53
3	Hexadecane	226	C16H34	000544-76-3	49
4	Pentadecane	212	C15H32	000629-62-9	46
5	Tetradecane	198	C14H30	000629-59-4	46



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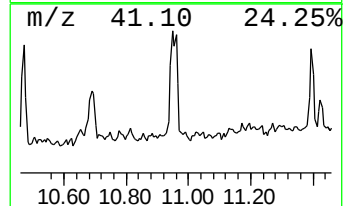
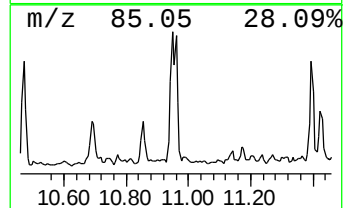
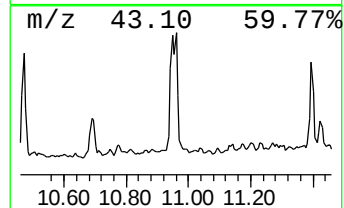
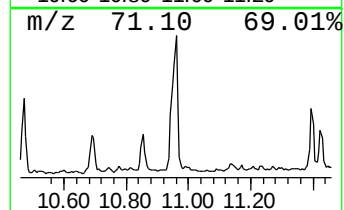
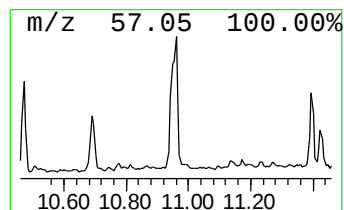
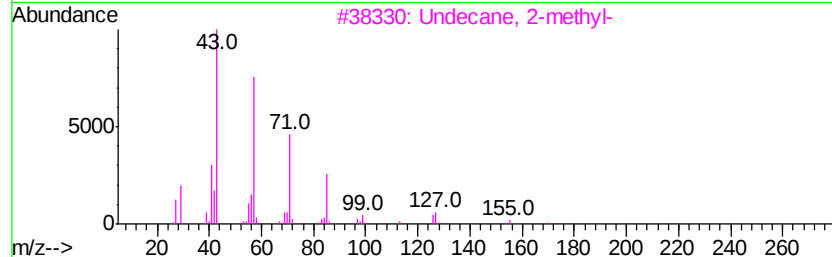
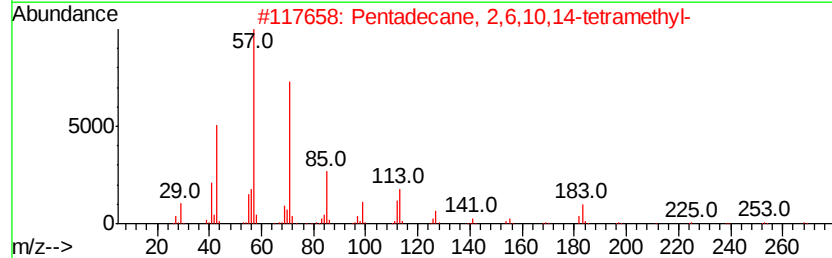
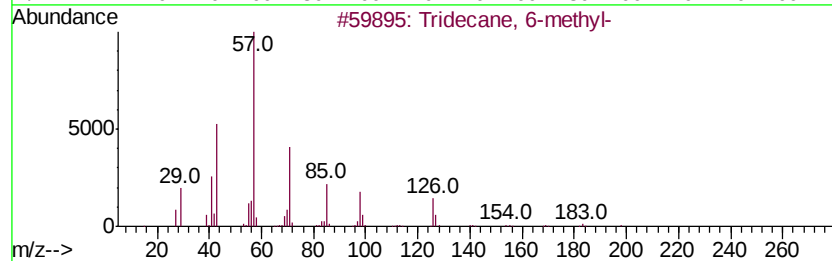
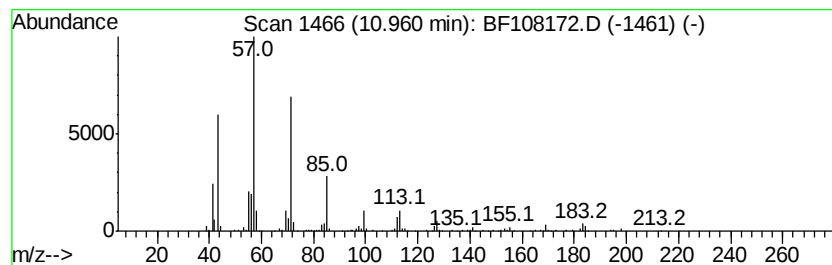
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Tridecane, 6-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.96	4.74 ng	437185	Phenanthrene-d10	11.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-methyl-	198	C14H30	013287-21-3	83
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	80
3	Undecane, 2-methyl-	170	C12H26	007045-71-8	72
4	Dodecane, 2,5-dimethyl-	198	C14H30	056292-65-0	70
5	Eicosane	282	C20H42	000112-95-8	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081518\
Data File : BF108172.D
Acq On : 15 Aug 2018 18:21
Operator : JU/SJ
Sample : J4460-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
RA-080918-SW-002

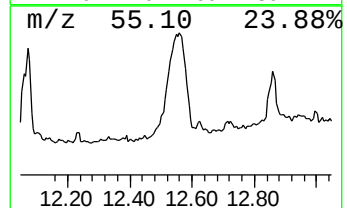
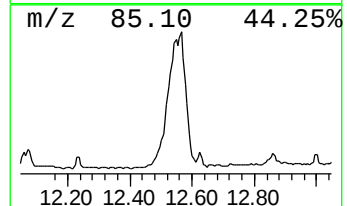
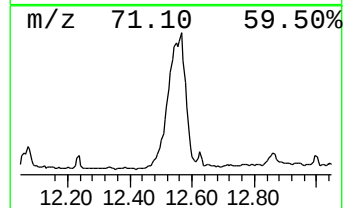
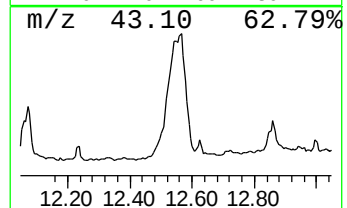
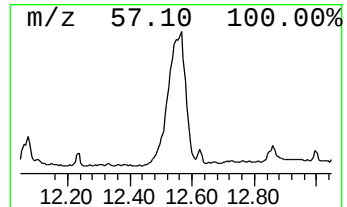
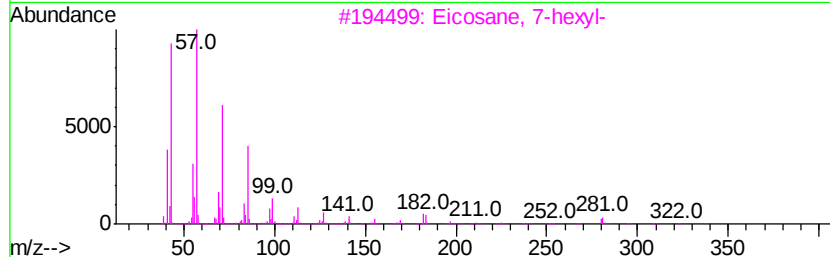
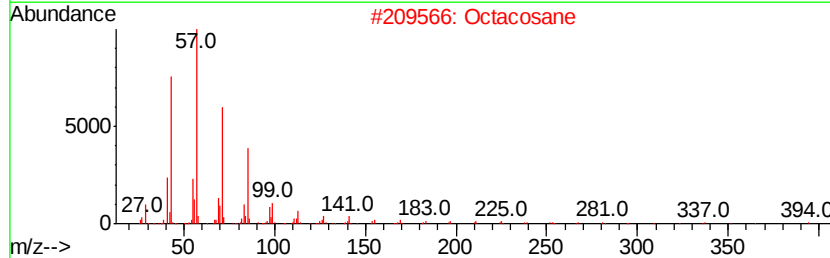
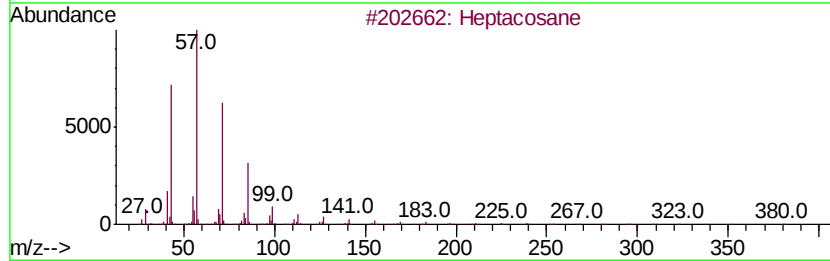
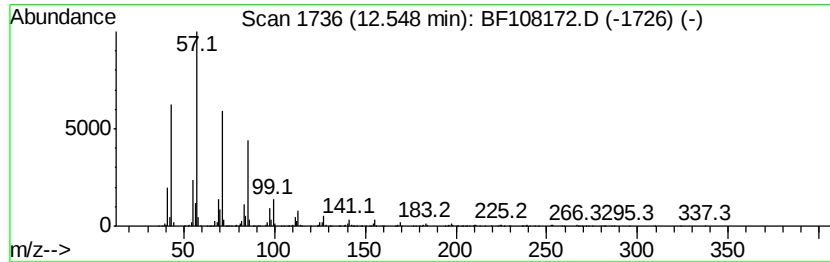
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Heptacosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	22.94 ng	2114360	Phenanthrene-d10	11.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane		380	C27H56	000593-49-7	91
2	Octacosane		394	C28H58	000630-02-4	91
3	Eicosane, 7-hexyl-		366	C26H54	055333-99-8	91
4	Heneicosane		296	C21H44	000629-94-7	90
5	Hexadecane		226	C16H34	000544-76-3	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081518\
Data File : BF108172.D
Acq On : 15 Aug 2018 18:21
Operator : JU/SJ
Sample : J4460-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

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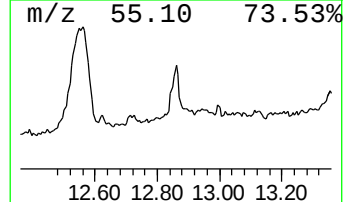
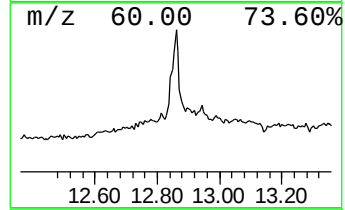
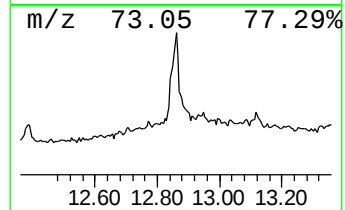
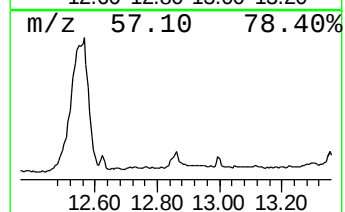
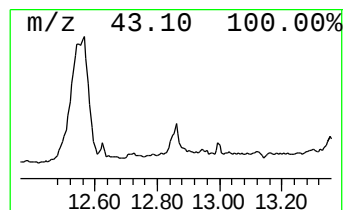
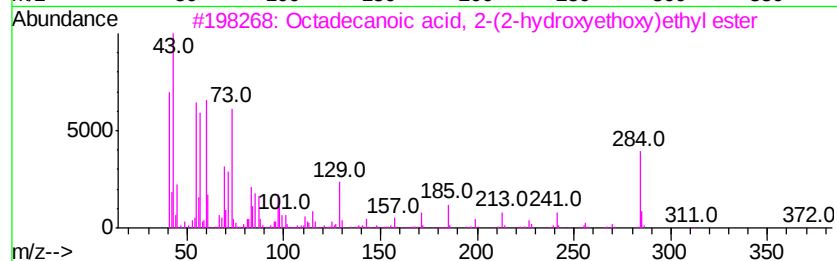
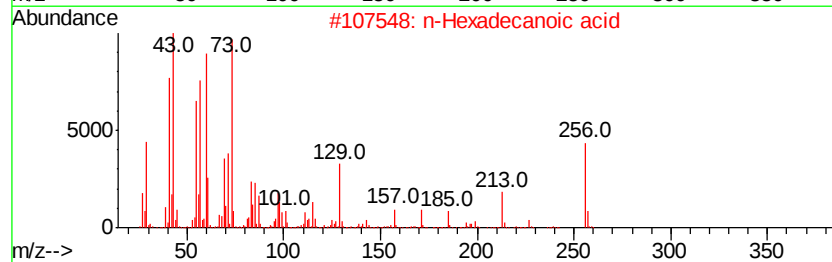
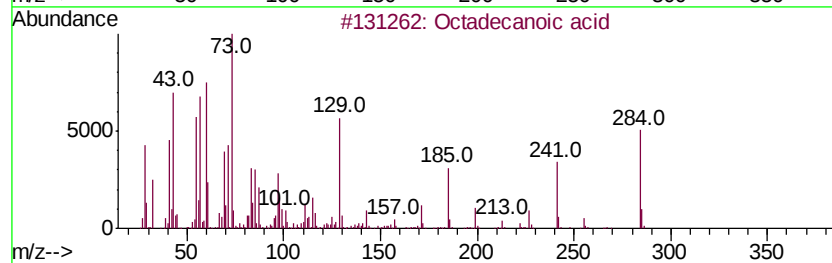
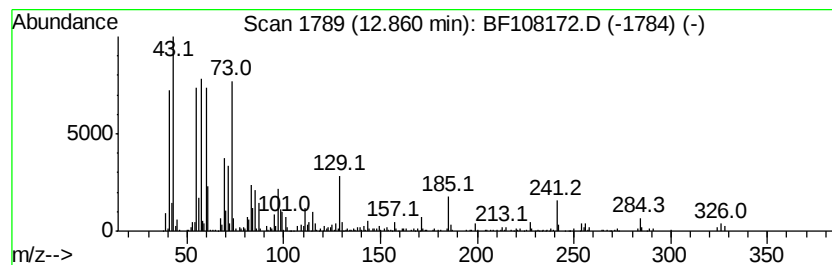
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Octadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	8.04 ng	740730	Phenanthrene-d10	11.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid	284	C18H36O2	000057-11-4	98
2		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
3		Octadecanoic acid, 2-(2-hydroxyve...	372	C22H44O4	000106-11-6	87
4		Pentadecanoic acid	242	C15H30O2	001002-84-2	76
5		Tetradecanoic acid	228	C14H28O2	000544-63-8	68



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081518\
Data File : BF108172.D
Acq On : 15 Aug 2018 18:21
Operator : JU/SJ
Sample : J4460-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

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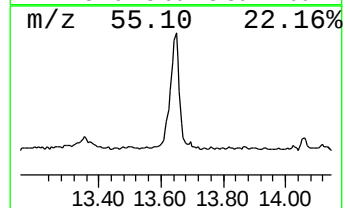
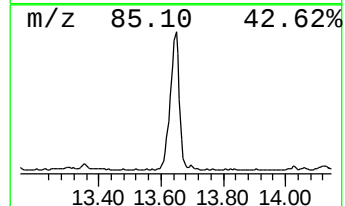
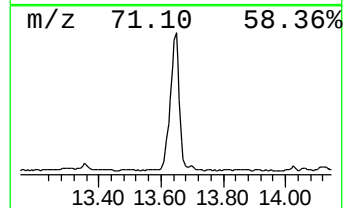
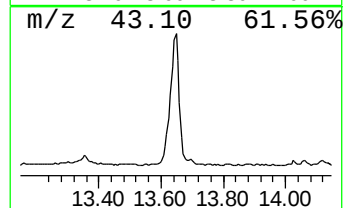
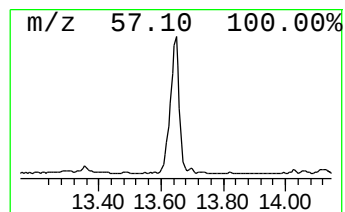
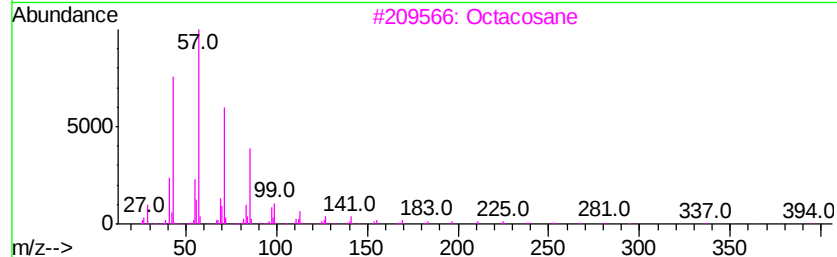
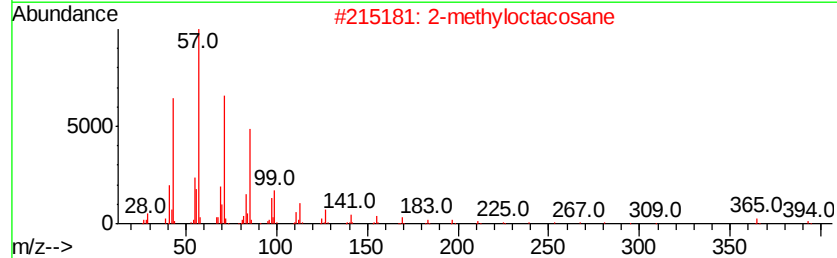
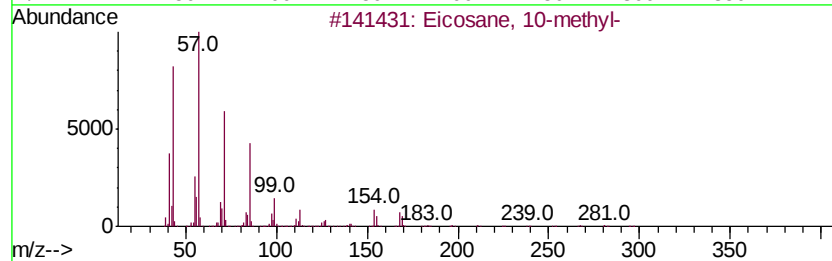
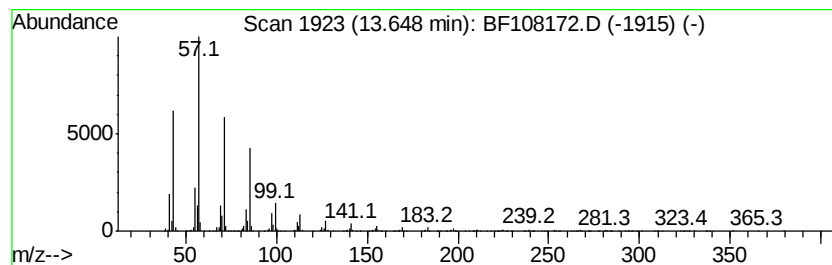
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Eicosane, 10-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	73.79 ng	4803660	Chrysene-d12	14.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
2		2-methyloctacosane	408	C29H60	1000376-72-8	91
3		Octacosane	394	C28H58	000630-02-4	91
4		Heptacosane	380	C27H56	000593-49-7	91
5		Heneicosane	296	C21H44	000629-94-7	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081518\
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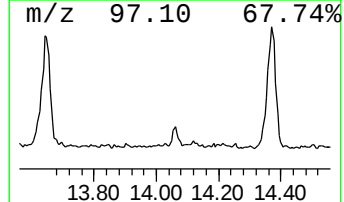
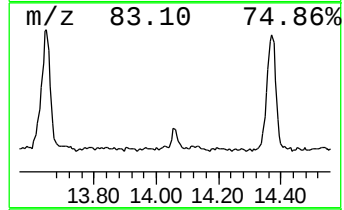
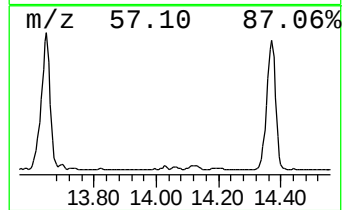
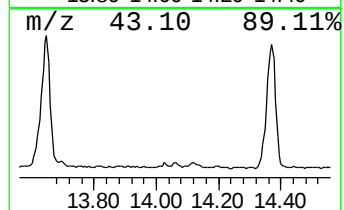
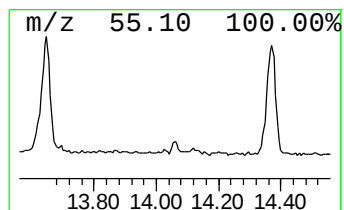
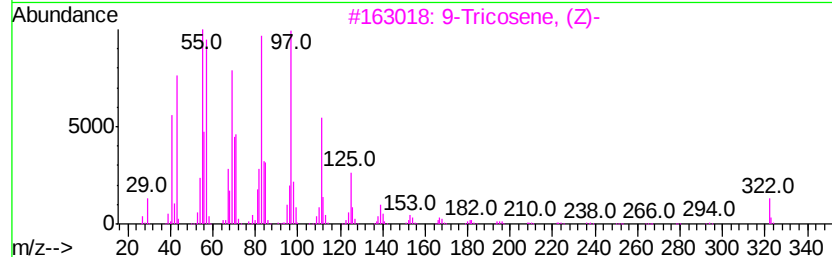
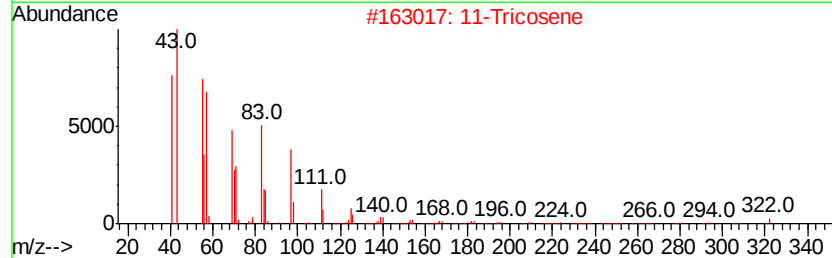
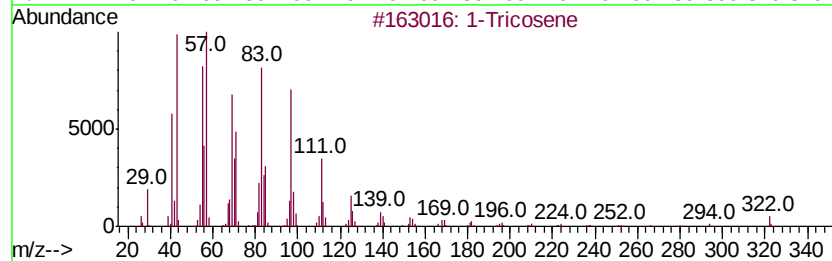
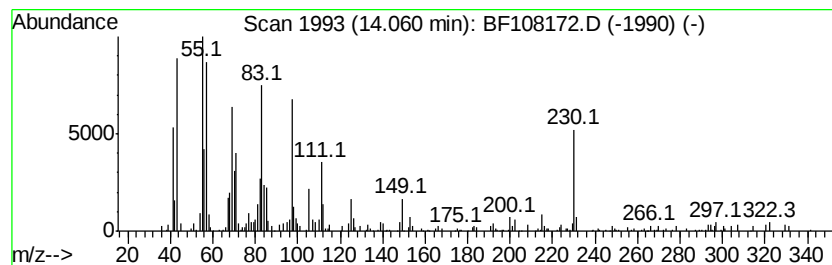
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1-Tricosene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.06	2.85 ng	185303	Chrysene-d12	14.21
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1-Tricosene	322 C23H46	018835-32-0	94
2	11-Tricosene	322 C23H46	052078-56-5	94
3	9-Tricosene, (Z)-	322 C23H46	027519-02-4	90
4	1-Nonadecene	266 C19H38	018435-45-5	89
5	9-Nonadecene	266 C19H38	031035-07-1	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081518\
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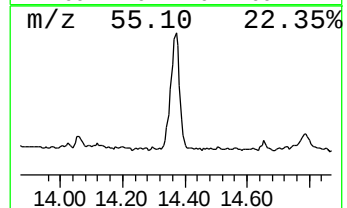
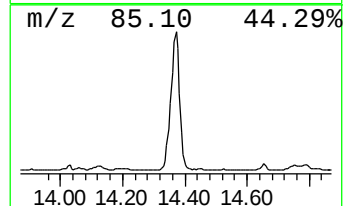
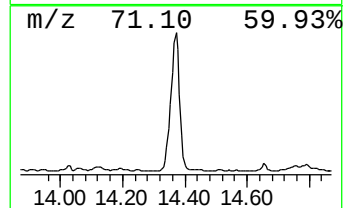
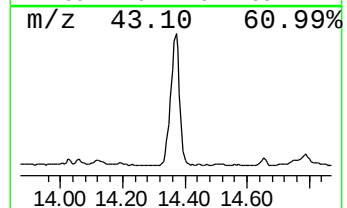
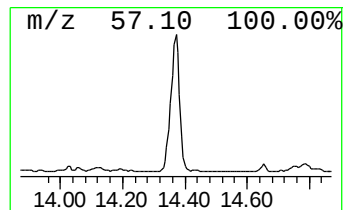
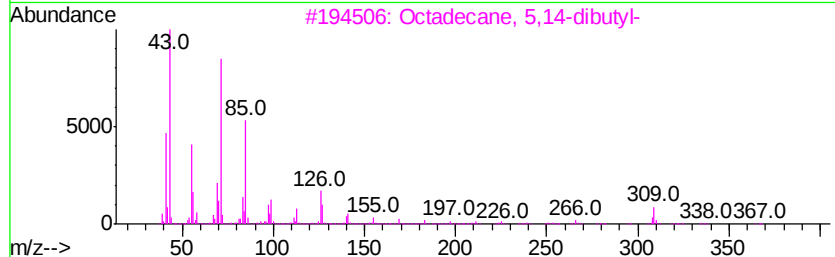
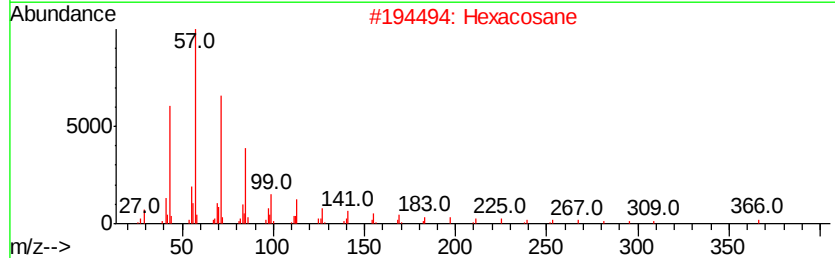
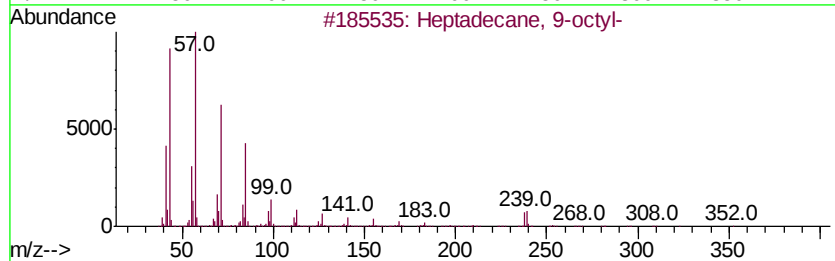
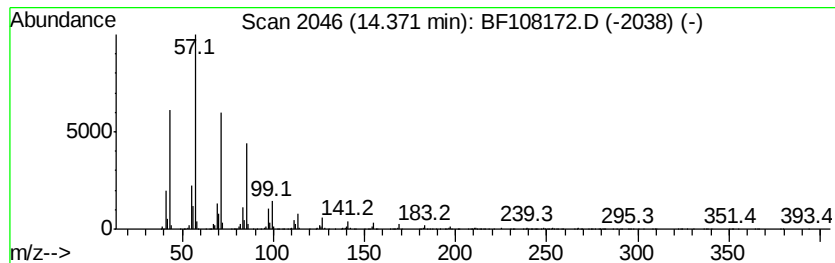
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Heptadecane, 9-octyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.37	73.54 ng	4786880	Chrysene-d12	14.21
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Heptadecane, 9-octyl-	352 C25H52	007225-64-1 96
2		Hexacosane	366 C26H54	000630-01-3 93
3		Octadecane, 5,14-dibutyl-	366 C26H54	055282-13-8 91
4		Octacosane	394 C28H58	000630-02-4 91
5		Heptacosane	380 C27H56	000593-49-7 91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081518\
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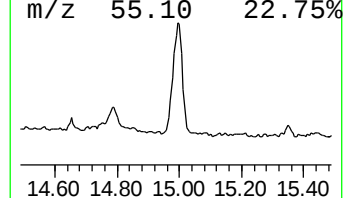
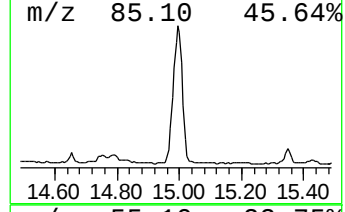
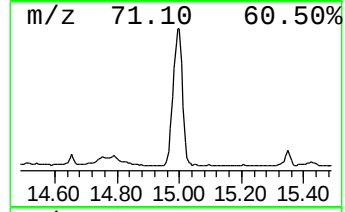
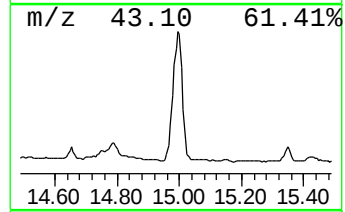
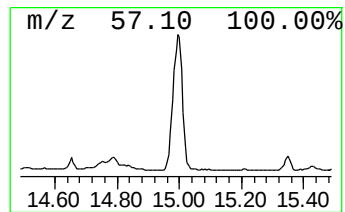
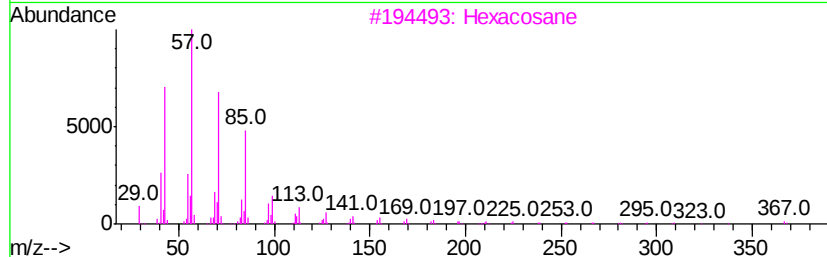
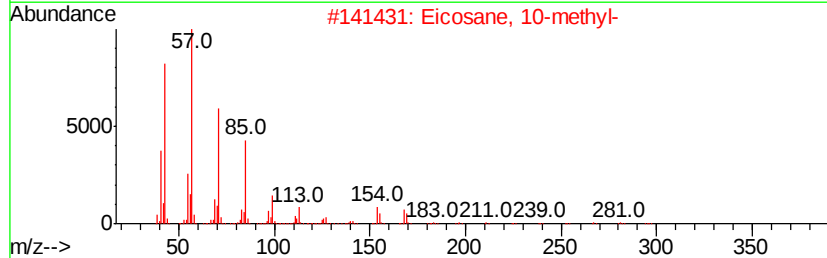
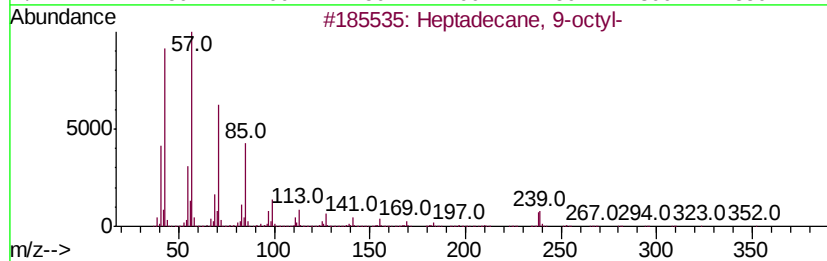
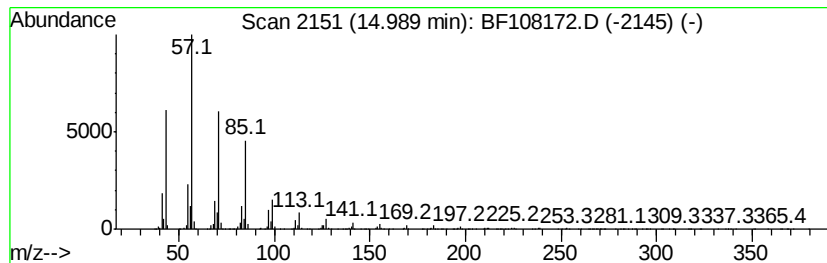
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Hexacosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	54.04 ng	3352430	Perylene-d12	15.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	97
2		Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
3		Hexacosane	366	C26H54	000630-01-3	91
4		Octacosane	394	C28H58	000630-02-4	91
5		Eicosane, 7-hexyl-	366	C26H54	055333-99-8	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081518\
Data File : BF108172.D
Acq On : 15 Aug 2018 18:21
Operator : JU/SJ
Sample : J4460-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

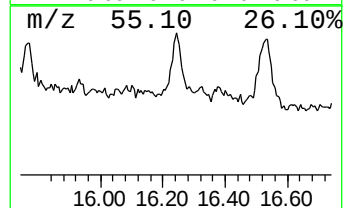
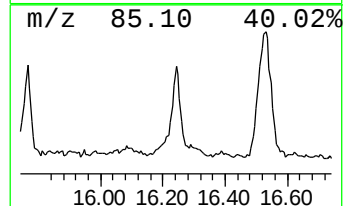
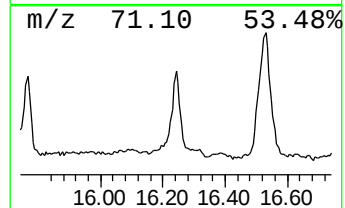
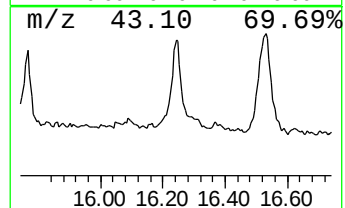
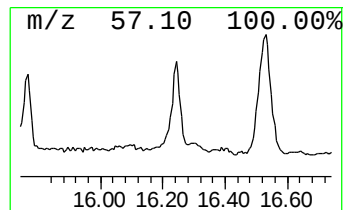
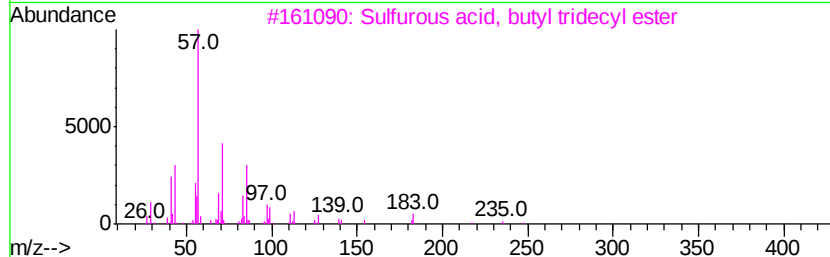
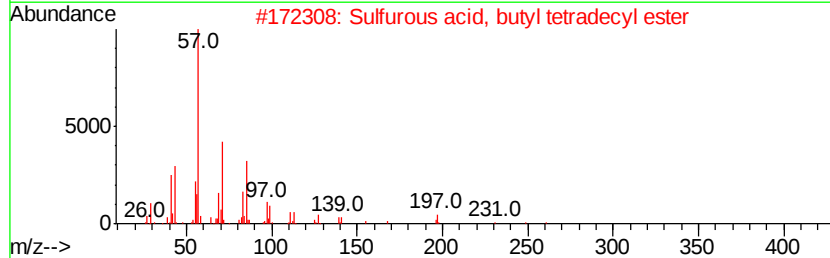
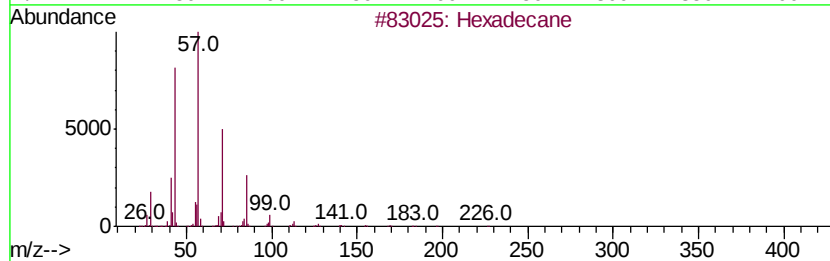
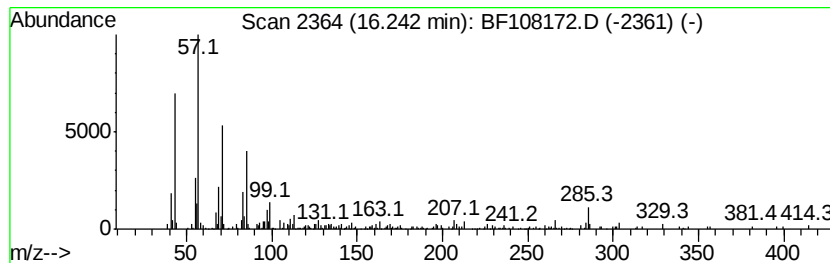
Instrument :
BNA_F
ClientSampleId :
RA-080918-SW-002

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Hexadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	6.72 ng	416967	Perylene-d12	15.78
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexadecane		226 C16H34	000544-76-3 94
2	Sulfurous acid, butyl tetradecyl...		334 C18H38O3S	1000309-18-1 87
3	Sulfurous acid, butyl tridecyl e...		320 C17H36O3S	1000309-18-0 80
4	Hexacosane		366 C26H54	000630-01-3 76
5	Octadecane		254 C18H38	000593-45-3 74



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081518\
Data File : BF108172.D
Acq On : 15 Aug 2018 18:21
Operator : JU/SJ
Sample : J4460-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RA-080918-SW-002

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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...	2.38	11.6	ng	712546	1	7.02	1225250	20.0
2-Pentanone, 4-hy...	5.26	12.0	ng	735838	1	7.02	1225250	20.0
unknown6.78	6.78	62.3	ng	3819320	1	7.02	1225250	20.0
Tridecane	10.47	3.0	ng	281015	3	10.06	1865020	20.0
Tridecane, 6-methyl-	10.96	4.7	ng	437185	4	11.56	1843250	20.0
Heptacosane	12.55	22.9	ng	2114360	4	11.56	1843250	20.0
Octadecanoic acid	12.86	8.0	ng	740730	4	11.56	1843250	20.0
Eicosane, 10-methyl-	13.65	73.8	ng	4803660	5	14.21	1301920	20.0
1-Tricosene	14.06	2.9	ng	185303	5	14.21	1301920	20.0
Heptadecane, 9-oc...	14.37	73.5	ng	4786880	5	14.21	1301920	20.0
Hexacosane	14.99	54.0	ng	3352430	6	15.78	1240760	20.0
Hexadecane	16.24	6.7	ng	416967	6	15.78	1240760	20.0