

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072117\
 Data File : BF096970.D
 Acq On : 22 Jul 2017 5:06
 Operator : SJ/JU
 Sample : I4274-03
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M-COMB-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:\HPCHEM1\BNA_F\METHODS\8270-BF071317.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	4.740	455	468	481	rBV	1504444	2239536	16.51%	1.386%
2	4.946	487	503	506	rBV	161138	397199	2.93%	0.246%
3	5.157	536	539	544	rVV	761027	1007973	7.43%	0.624%
4	5.287	549	561	562	rBV	172745	459662	3.39%	0.285%
5	5.346	563	571	574	rVB	320791	836003	6.16%	0.518%
6	5.504	587	598	601	rBV2	209875	508755	3.75%	0.315%
7	5.616	615	617	620	rVB	334078	342079	2.52%	0.212%
8	6.210	715	718	725	rBV2	453436	775713	5.72%	0.480%
9	6.328	726	738	741	rBV	1286366	1576880	11.62%	0.976%
10	6.557	773	777	780	rBV	734468	682523	5.03%	0.423%
11	6.710	800	803	814	rVV	2054878	2147265	15.83%	1.329%
12	6.992	841	851	862	rBV2	2468145	3027284	22.31%	1.874%
13	7.122	866	873	876	rBV	1359357	1227055	9.04%	0.760%
14	7.187	880	884	887	rVV	1033175	819478	6.04%	0.507%
15	7.310	897	905	909	rBV	1369057	1349401	9.95%	0.835%
16	7.622	954	958	960	rBV	345275	353315	2.60%	0.219%
17	7.657	960	964	965	rVV3	407817	583306	4.30%	0.361%
18	7.716	966	974	978	rVV3	803595	2379189	17.54%	1.473%
19	7.775	978	984	987	rVV	2834488	3519448	25.94%	2.179%
20	7.839	991	995	997	rVV	913897	813737	6.00%	0.504%
21	7.875	997	1001	1004	rVV	807129	836772	6.17%	0.518%
22	8.016	1021	1025	1034	rVB2	2087148	2590877	19.10%	1.604%
23	8.186	1042	1054	1056	rVV	691970	1600728	11.80%	0.991%
24	8.445	1094	1098	1101	rVV2	486810	520964	3.84%	0.323%
25	8.486	1101	1105	1108	rVB	1201692	942351	6.95%	0.583%
26	8.863	1153	1169	1171	rVV	1624397	4437235	32.70%	2.747%
27	8.916	1174	1178	1181	rVV	2112176	1847293	13.62%	1.144%
28	9.028	1192	1197	1200	rVB2	262763	340144	2.51%	0.211%
29	9.204	1223	1227	1232	rVB4	231208	339372	2.50%	0.210%
30	9.416	1257	1263	1266	rBV	3512230	3218405	23.72%	1.992%
31	9.581	1287	1291	1296	rBV	3523447	3742285	27.58%	2.317%
32	9.886	1330	1343	1346	rBV	2194573	5297055	39.04%	3.279%
33	9.928	1347	1350	1356	rVB2	613985	593910	4.38%	0.368%
34	10.022	1361	1366	1369	rVB	2807164	2990029	22.04%	1.851%

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 Integrator: RTE
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 Sampling : 1
 Start Thrs: 0.2
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 Min Area: 3 % of largest Peak
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.375	1422	1426	1429	rBV2	582441	613967	4.53%	0.380%
36	10.410	1429	1432	1436	rVB	1766857	1432328	10.56%	0.887%
37	10.557	1451	1457	1462	rVV	2733170	4672624	34.44%	2.893%
38	10.604	1462	1465	1469	rVB	1505634	1424107	10.50%	0.882%
39	10.657	1471	1474	1478	rBV2	330745	433464	3.19%	0.268%
40	10.804	1490	1499	1502	rVV	2277048	3837998	28.29%	2.376%
41	10.875	1508	1511	1516	rVB	899775	860909	6.35%	0.533%
42	11.057	1539	1542	1545	rVB2	952826	981747	7.24%	0.608%
43	11.139	1550	1556	1560	rVB	1067135	1070540	7.89%	0.663%
44	11.216	1564	1569	1572	rBV	682490	777745	5.73%	0.481%
45	11.251	1572	1575	1580	rVB	603873	529292	3.90%	0.328%
46	11.310	1581	1585	1591	rVB	1614162	1496038	11.03%	0.926%
47	11.433	1601	1606	1610	rVB	1981709	2366615	17.44%	1.465%
48	11.486	1611	1615	1620	rVB2	1205088	1243440	9.16%	0.770%
49	11.539	1620	1624	1627	rBV	673085	732607	5.40%	0.454%
50	11.692	1633	1650	1653	rBV	4314234	13567976	100.00%	8.399%
51	11.780	1661	1665	1669	rVB	2143325	2029035	14.95%	1.256%
52	11.898	1682	1685	1688	rBV	577212	524726	3.87%	0.325%
53	12.027	1704	1707	1710	rBV	405449	449658	3.31%	0.278%
54	12.127	1720	1724	1728	rBV	1880184	1704029	12.56%	1.055%
55	12.174	1729	1732	1735	rBV	403948	363523	2.68%	0.225%
56	12.222	1735	1740	1745	rVB	290002	461933	3.40%	0.286%
57	12.274	1745	1749	1753	rBV4	389634	516766	3.81%	0.320%
58	12.351	1753	1762	1772	rBV2	3306210	10072837	74.24%	6.236%
59	12.457	1772	1780	1786	rVB	3188870	5853010	43.14%	3.623%
60	12.563	1794	1798	1802	rBV	1039802	1016889	7.49%	0.630%
61	12.651	1809	1813	1816	rVB	1352994	1314106	9.69%	0.813%
62	12.686	1816	1819	1822	rBV	399866	381188	2.81%	0.236%
63	12.810	1836	1840	1844	rVB	2345138	2265733	16.70%	1.403%
64	12.857	1844	1848	1853	rVV2	263998	409668	3.02%	0.254%
65	12.921	1856	1859	1864	rVV3	643453	630878	4.65%	0.391%
66	12.974	1864	1868	1870	rVV	500355	556724	4.10%	0.345%
67	13.004	1870	1873	1875	rVV	1864770	1866517	13.76%	1.155%
68	13.027	1875	1877	1880	rVV2	684562	744775	5.49%	0.461%
69	13.080	1883	1886	1891	rVV	1045999	961063	7.08%	0.595%
70	13.157	1892	1899	1907	rVV6	568553	1170907	8.63%	0.725%
71	13.327	1925	1928	1932	rVB	411258	393251	2.90%	0.243%

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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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72	13.492	1953	1956	1959	rVV	925090	827438	6.10%	0.512%
73	13.563	1965	1968	1972	rVB3	490424	534812	3.94%	0.331%
74	13.663	1982	1985	1987	rBV2	339215	345687	2.55%	0.214%
75	13.692	1987	1990	1991	rVV	734025	684402	5.04%	0.424%
76	13.721	1991	1995	2003	rVV2	2297434	2592686	19.11%	1.605%
77	13.821	2009	2012	2019	rVB	555451	616656	4.54%	0.382%
78	14.033	2044	2048	2052	rBV2	490326	563456	4.15%	0.349%
79	14.098	2056	2059	2063	rBV	386374	328803	2.42%	0.204%
80	14.339	2096	2100	2105	rBV	1389245	1529157	11.27%	0.947%
81	14.386	2105	2108	2114	rVV	443977	574285	4.23%	0.356%
82	14.545	2130	2135	2140	rVB	4078728	4883396	35.99%	3.023%
83	14.627	2146	2149	2154	rVB3	711662	787225	5.80%	0.487%
84	14.768	2171	2173	2181	rVB2	227669	401824	2.96%	0.249%
85	14.839	2181	2185	2190	rBV3	326375	515555	3.80%	0.319%
86	14.957	2198	2205	2208	rVV4	913443	1528304	11.26%	0.946%
87	14.992	2208	2211	2217	rVV	817569	1033812	7.62%	0.640%
88	15.057	2218	2222	2227	rVB	510279	653840	4.82%	0.405%
89	15.192	2241	2245	2252	rVB	512975	841457	6.20%	0.521%
90	15.262	2252	2257	2263	rBV5	276095	507113	3.74%	0.314%
91	15.351	2268	2272	2281	rVB7	222255	483048	3.56%	0.299%
92	15.451	2283	2289	2295	rBV	863441	1531189	11.29%	0.948%
93	15.686	2320	2329	2337	rBV4	1560676	4715481	34.75%	2.919%
94	15.762	2337	2342	2346	rVV2	393072	684011	5.04%	0.423%
95	15.827	2347	2353	2361	rVB2	1474296	2764036	20.37%	1.711%
96	16.139	2402	2406	2414	rVB3	302240	717783	5.29%	0.444%
97	16.674	2491	2497	2508	rVV3	523214	1508851	11.12%	0.934%
98	16.792	2508	2517	2532	rVB5	728739	2697258	19.88%	1.670%
99	18.074	2725	2735	2750	rBV3	399872	1498451	11.04%	0.928%
100	18.215	2753	2759	2771	rVB3	368108	1116790	8.23%	0.691%

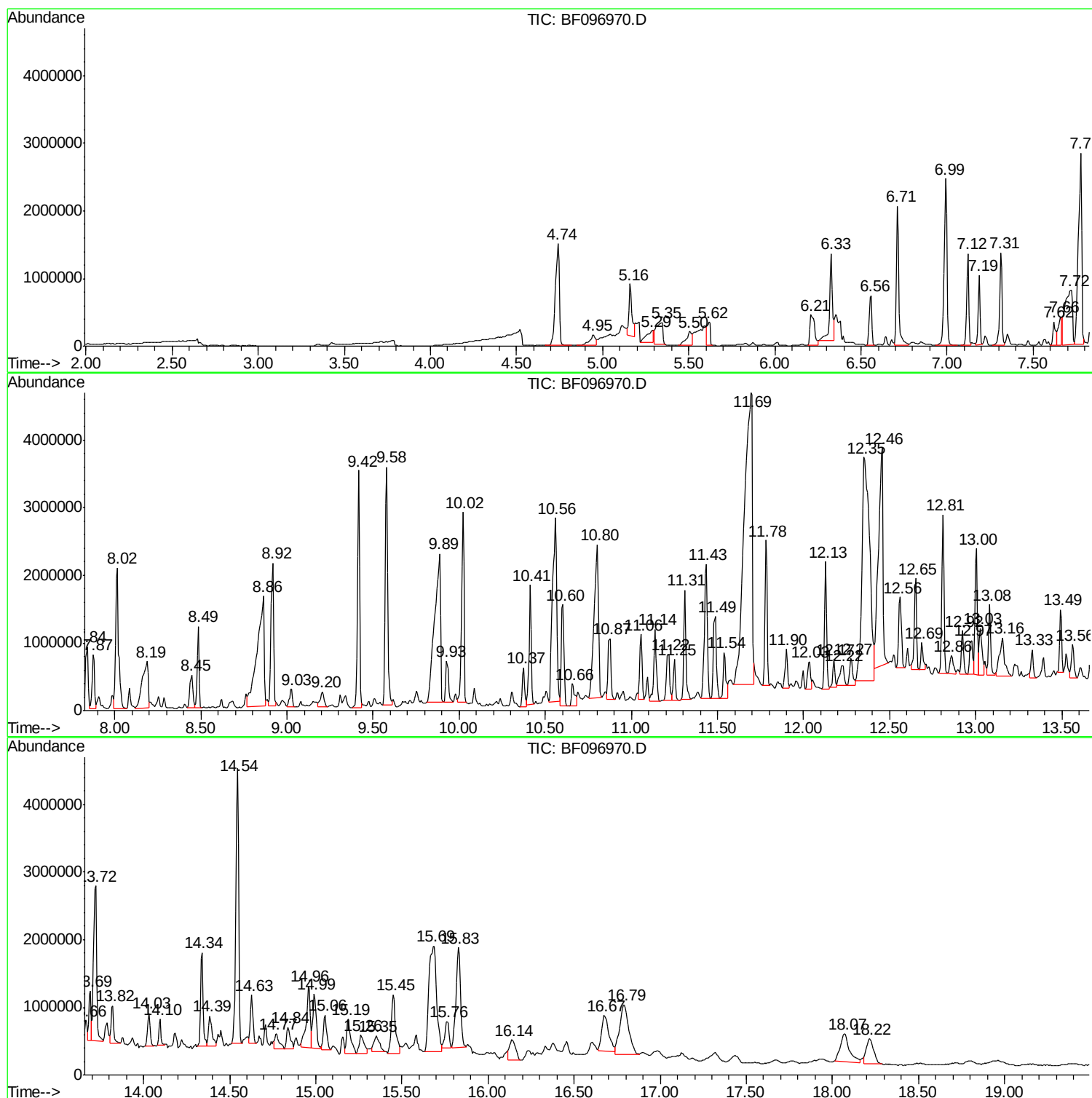
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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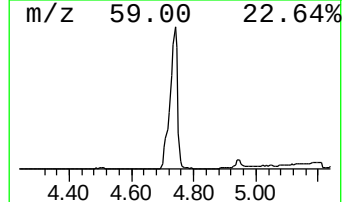
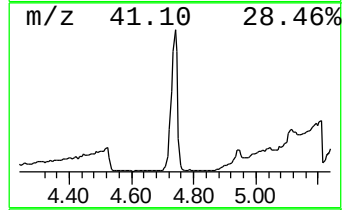
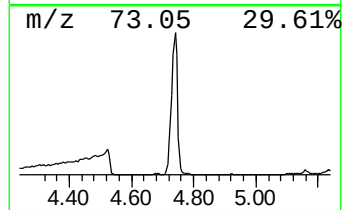
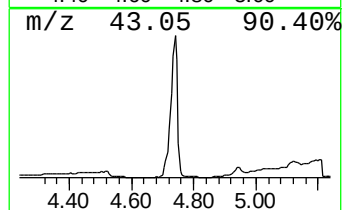
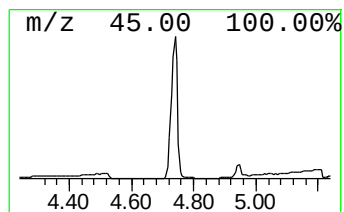
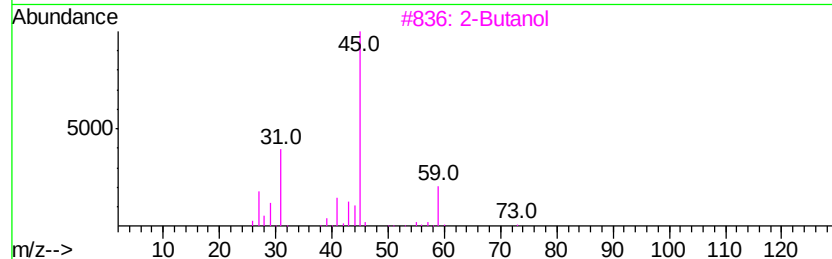
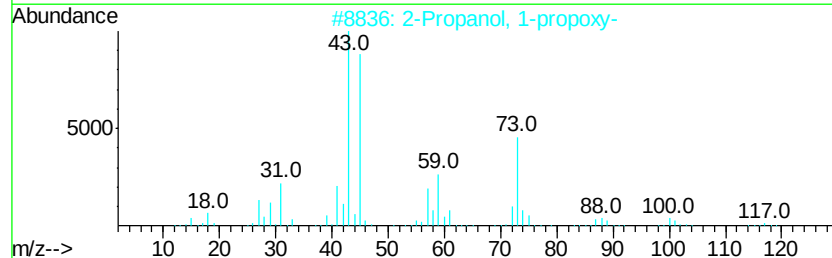
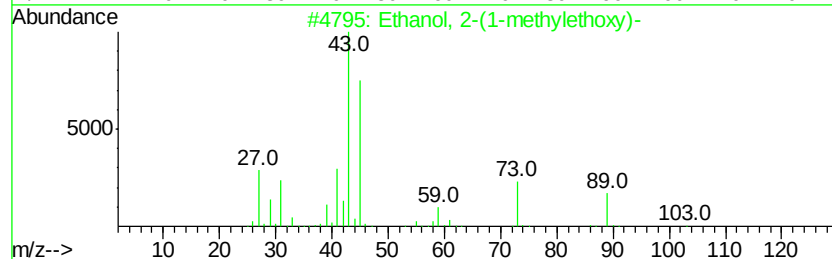
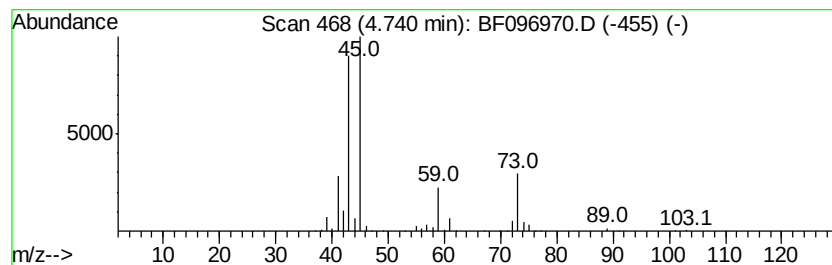
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Ethanol, 2-(1-methylethoxy)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.74	65.63 ng	2239540	1,4-Dichlorobenzene-d4	6.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethanol, 2-(1-methylethoxy)-	104	C5H12O2	000109-59-1	59
2		2-Propanol, 1-propoxy-	118	C6H14O2	001569-01-3	53
3		2-Butanol	74	C4H10O	000078-92-2	47
4		2-O-Mesyl arabinose	228	C6H12O7S	1000130-06-0	39
5		2-Butanol, (R)-	74	C4H10O	014898-79-4	38



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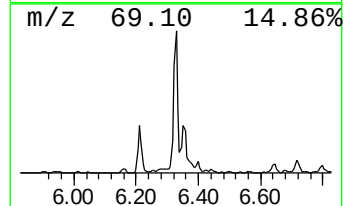
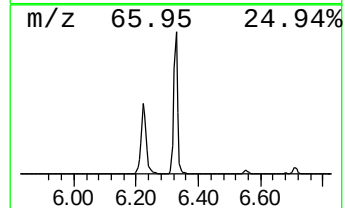
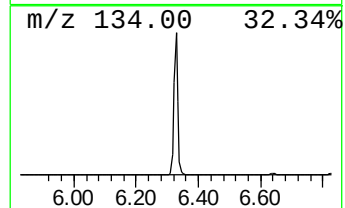
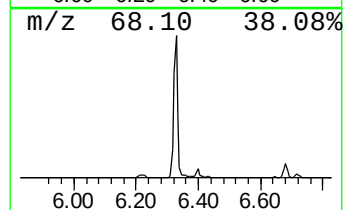
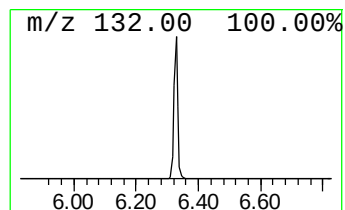
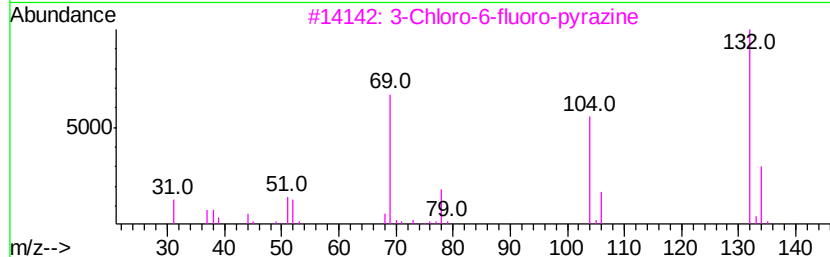
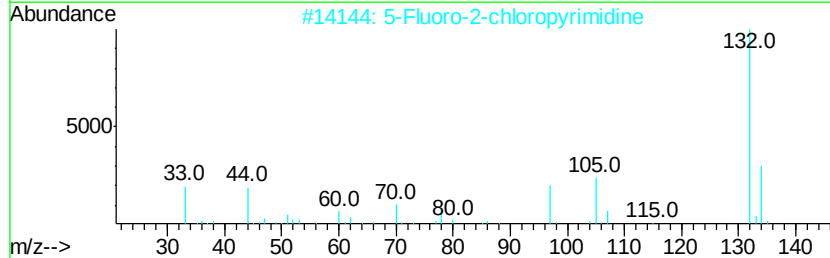
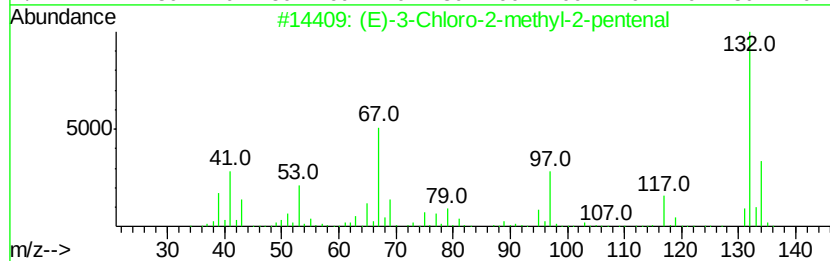
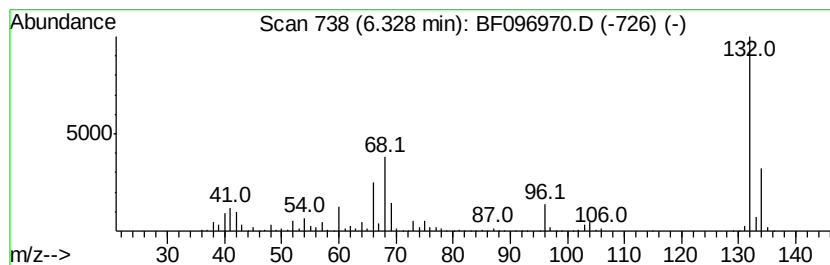
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.33 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	46.21 ng	1576880	1,4-Dichlorobenzene-d4	6.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	17
3		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
4		1,4-Dithiacyclohept-2-ene	132	C5H8S2	070063-50-2	12
5		Tranlylcypromine-propionyl	189	C12H15NO	1000123-86-3	10



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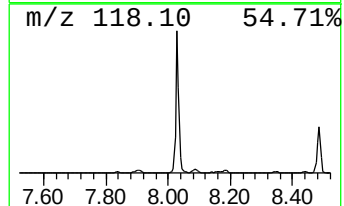
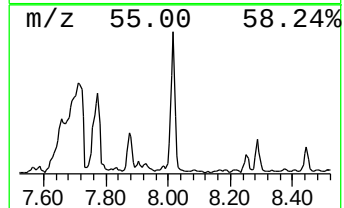
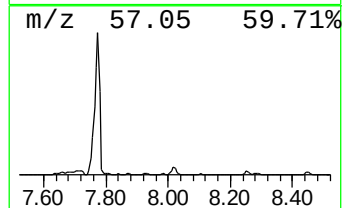
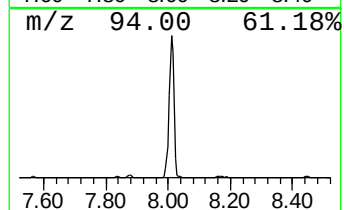
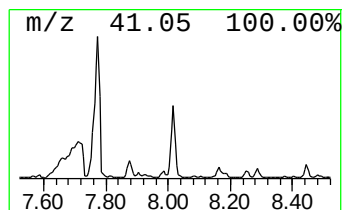
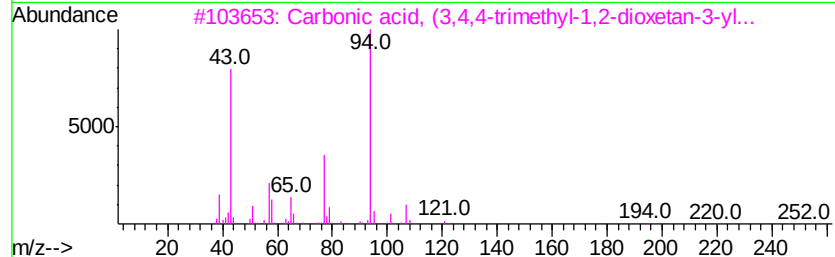
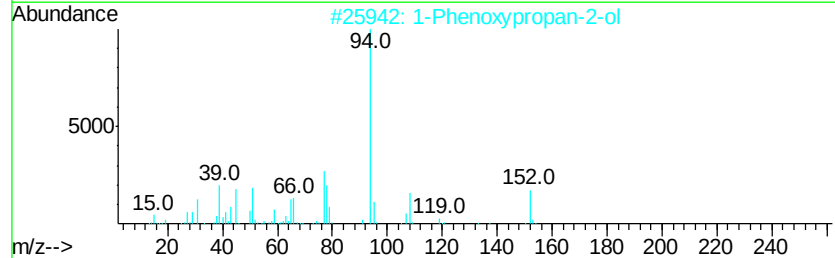
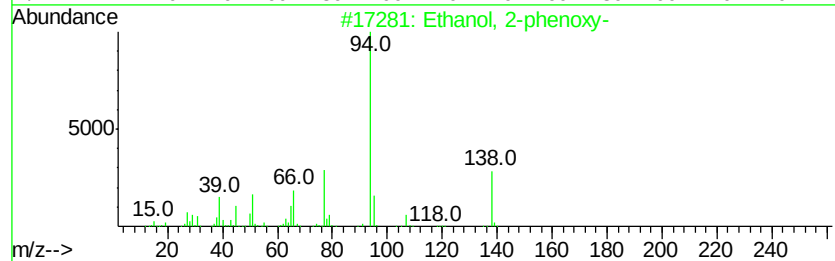
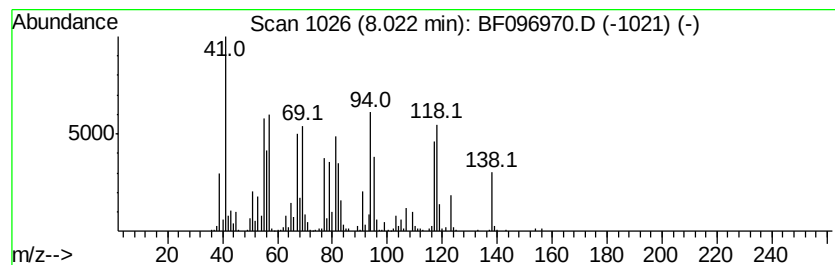
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Ethanol, 2-phenoxy- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.02	63.68 ng	2590880	Naphthalene-d8	7.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethanol, 2-phenoxy-	138	C8H10O2	000122-99-6	95
2		1-Phenoxypropan-2-ol	152	C9H12O2	000770-35-4	50
3		Carbonic acid, (3,4,4-trimethyl-...	252	C13H16O5	109123-69-5	47
4		Carbonic acid, neopentyl phenyl ...	208	C12H16O3	013183-19-2	47
5		Benzene, ethoxy-	122	C8H10O	000103-73-1	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
Data File : BF096970.D
Acq On : 22 Jul 2017 5:06
Operator : SJ/JU
Sample : I4274-03
Misc :
ALS Vial : 33 Sample Multiplier: 1

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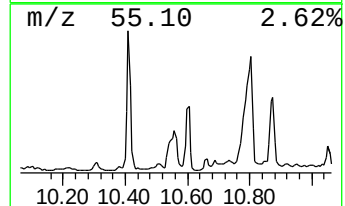
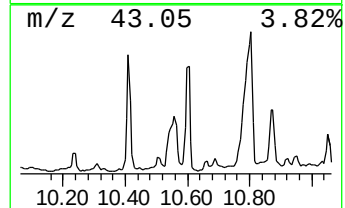
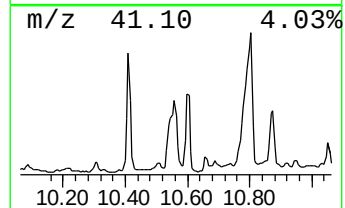
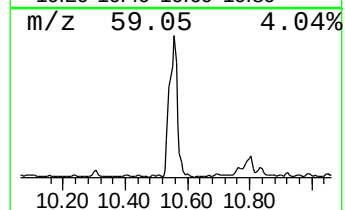
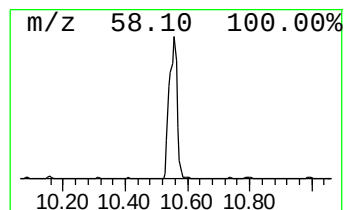
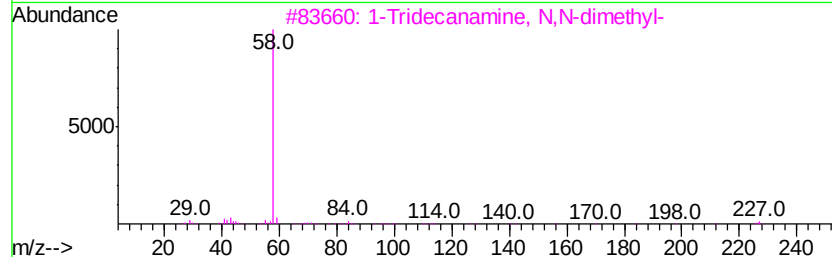
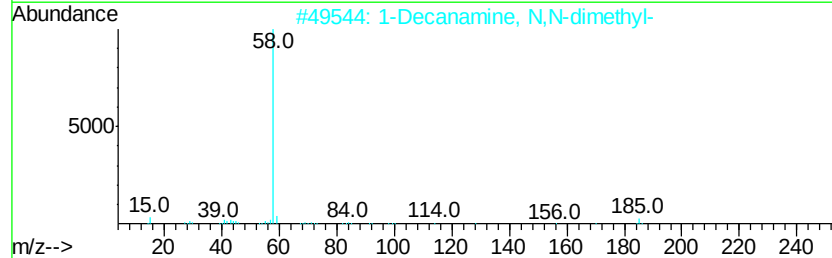
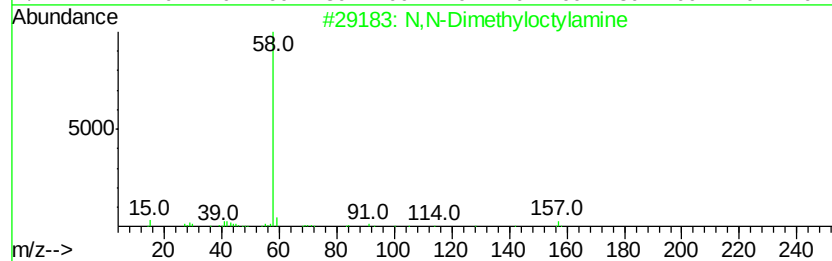
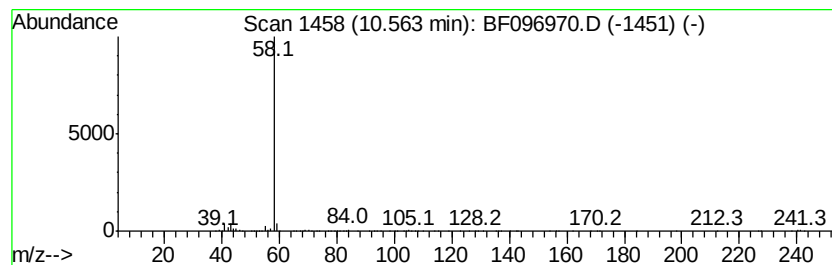
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 N,N-Dimethyloctylamine Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	95.19 ng	4672620	Phenanthrene-d10	11.06

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		N,N-Dimethyloctylamine	157	C10H23N	007378-99-6	86
2		1-Decanamine, N,N-dimethyl-	185	C12H27N	001120-24-7	83
3		1-Tridecanamine, N,N-dimethyl-	227	C15H33N	017373-29-4	78
4		Cetrimonium Bromide	363	C19H42BrN	000057-09-0	78
5		1-Undecanamine, N,N-dimethyl-	199	C13H29N	017373-28-3	78



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
Data File : BF096970.D
Acq On : 22 Jul 2017 5:06
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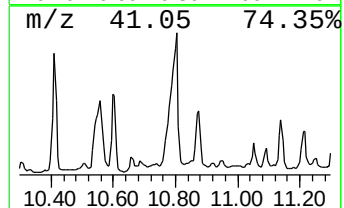
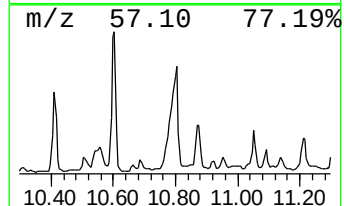
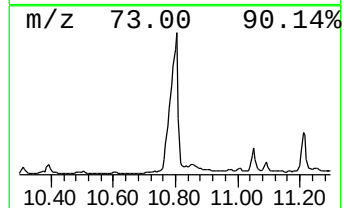
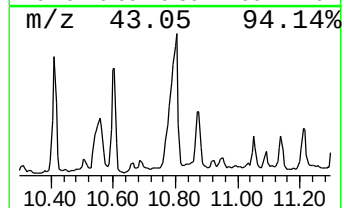
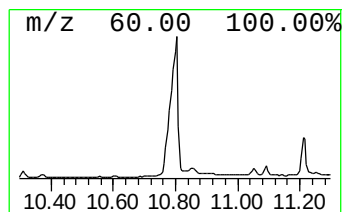
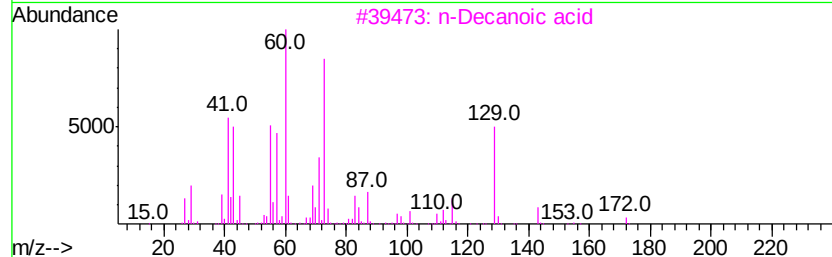
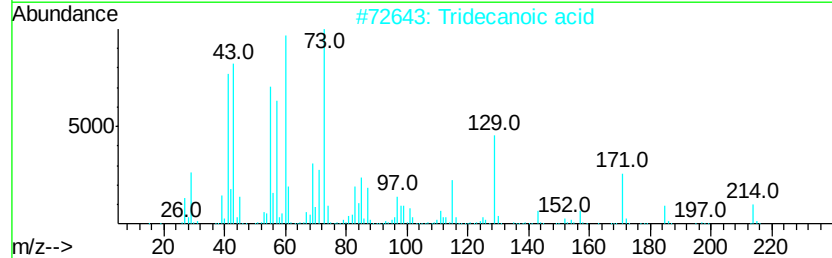
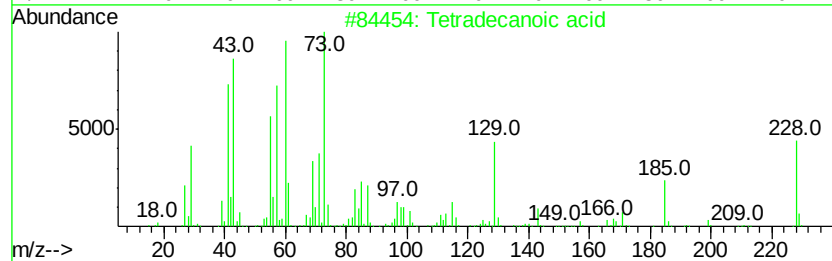
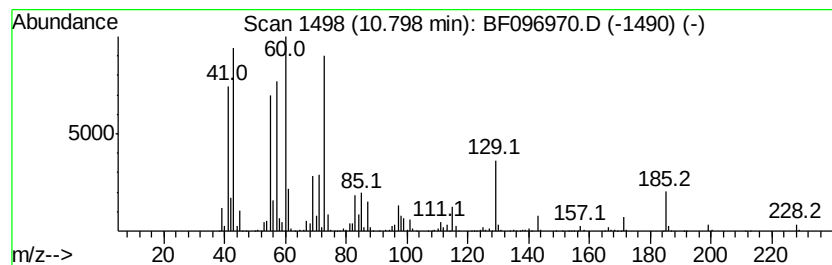
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Tetradecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	78.19 ng	3838000	Phenanthrene-d10	11.06

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecanoic acid	228	C14H28O2	000544-63-8	95
2		Tridecanoic acid	214	C13H26O2	000638-53-9	86
3		n-Decanoic acid	172	C10H20O2	000334-48-5	76
4		Dodecanoic acid	200	C12H24O2	000143-07-7	72
5		Trehalose	342	C12H22O11	000099-20-7	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
Data File : BF096970.D
Acq On : 22 Jul 2017 5:06
Operator : SJ/JU
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Misc :
ALS Vial : 33 Sample Multiplier: 1

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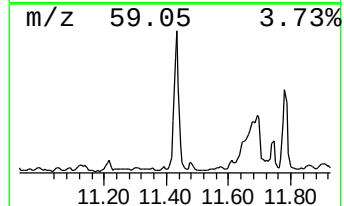
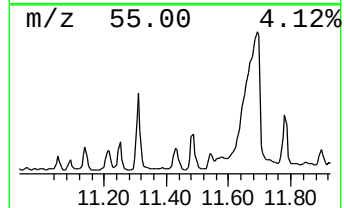
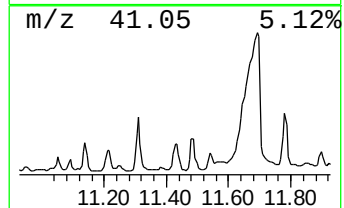
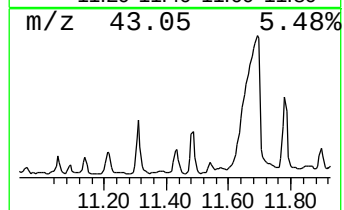
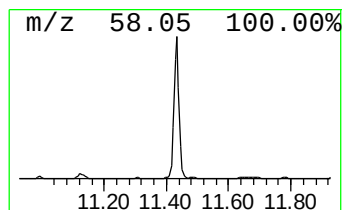
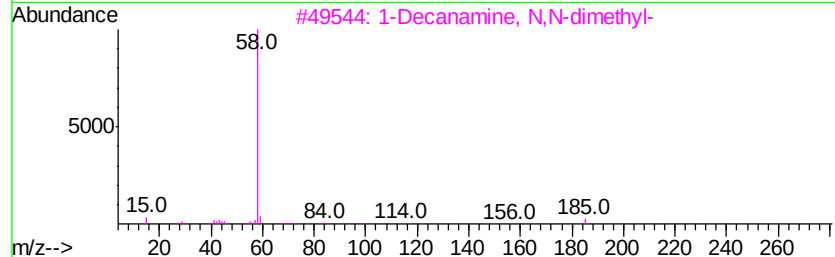
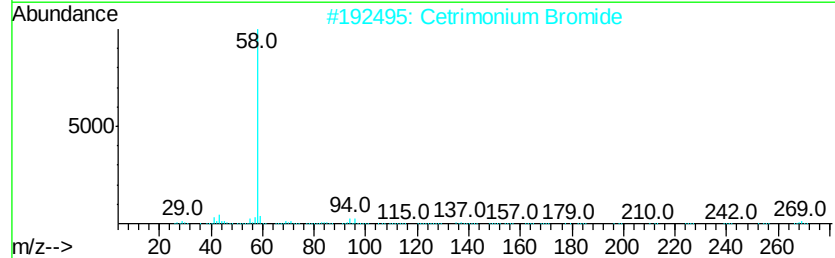
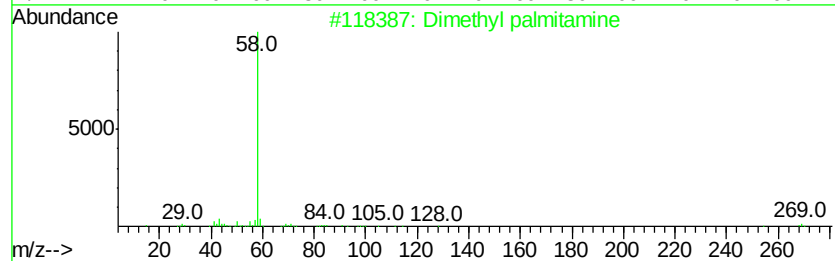
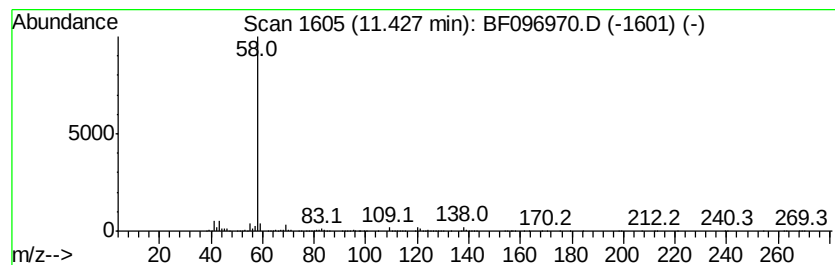
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Dimethyl palmitamine Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	48.21 ng	2366620	Phenanthrene-d10	11.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dimethyl palmitamine	269	C18H39N	000112-69-6	78
2		Cetrimonium Bromide	363	C19H42BrN	000057-09-0	72
3		1-Decanamine, N,N-dimethyl-	185	C12H27N	001120-24-7	72
4		1-Dodecanamine, N,N-dimethyl-	213	C14H31N	000112-18-5	64
5		1-Pentadecanamine, N,N-dimethyl-	255	C17H37N	017678-60-3	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
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Sample : I4274-03
Misc :
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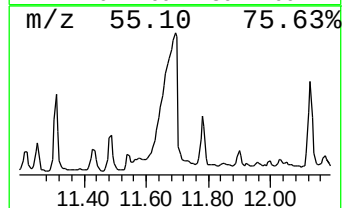
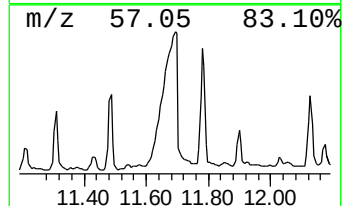
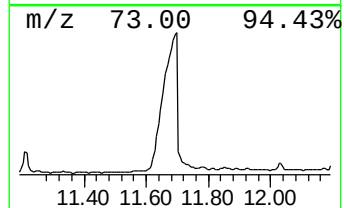
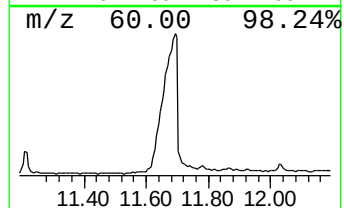
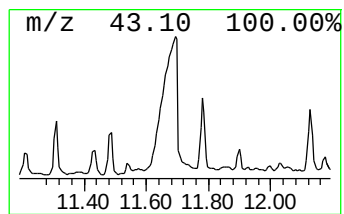
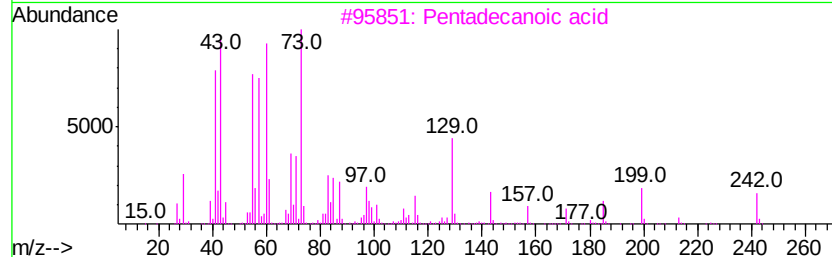
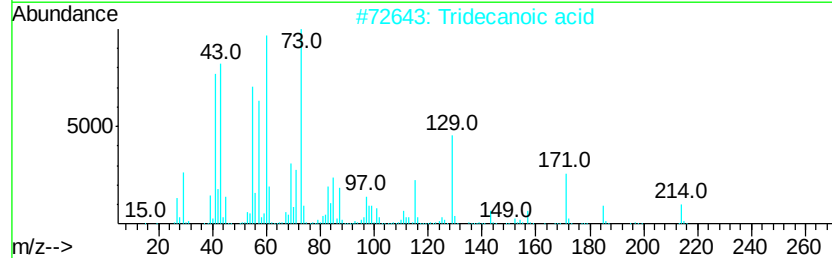
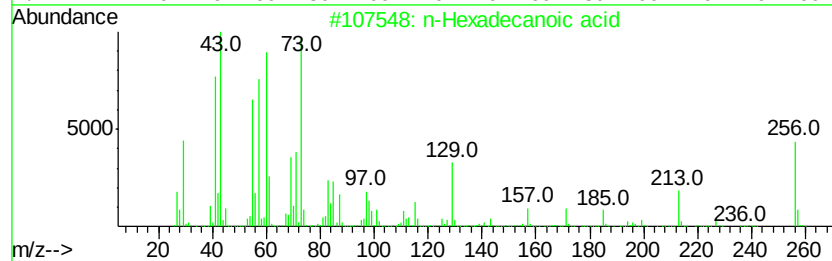
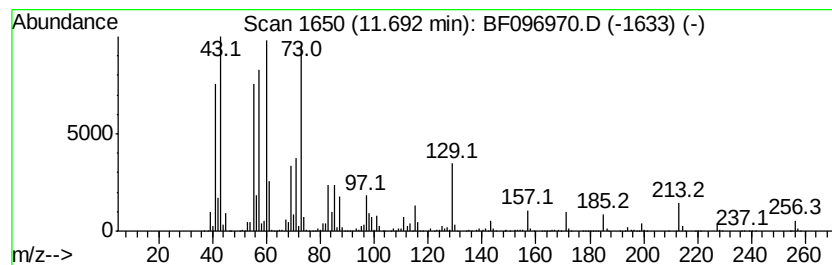
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD		R.T.		
11.69	276.41 ng	13568000	Phenanthrene-d10		11.06		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
2			Tridecanoic acid	214	C13H26O2	000638-53-9	94
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5			Undecanoic acid	186	C11H22O2	000112-37-8	64



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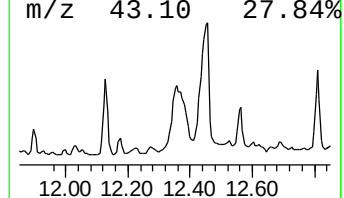
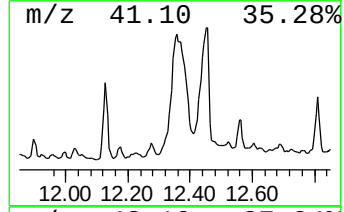
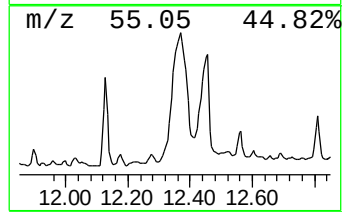
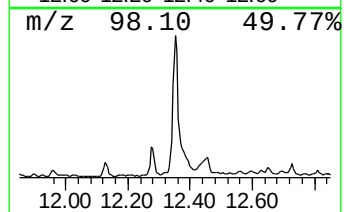
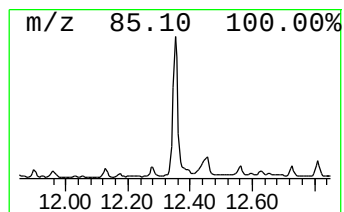
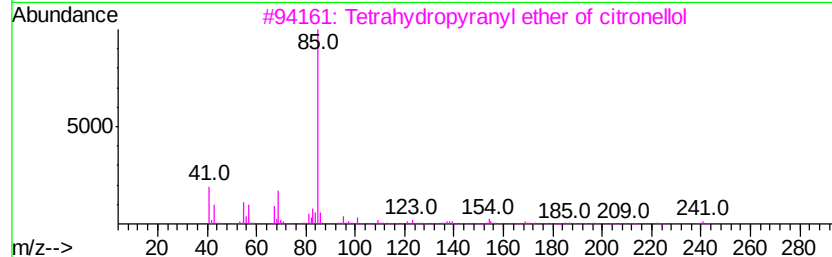
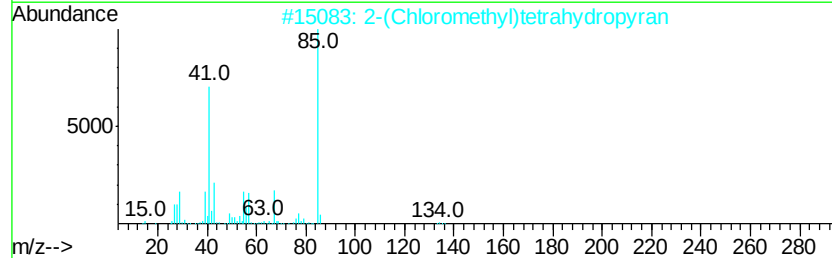
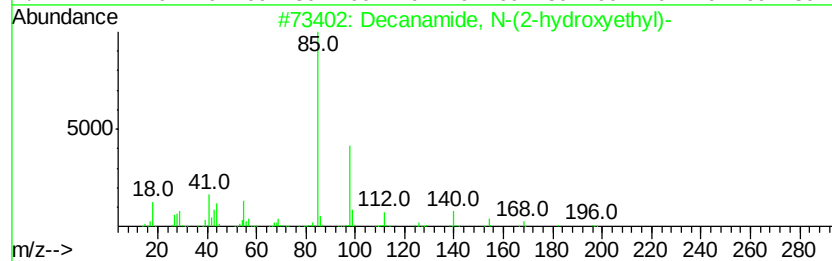
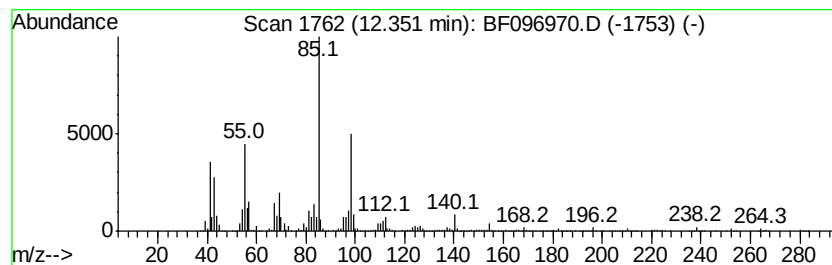
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Decanamide, N-(2-hydroxyeth... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	205.20 ng	10072800	Phenanthrene-d10	11.06
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Decanamide, N-(2-hydroxyethyl)-	215 C12H25NO2	007726-08-1 53
2		2-(Chloromethyl)tetrahydropyran	134 C6H11ClO	018420-41-2 43
3		Tetrahydropyranyl ether of citro...	240 C15H28O2	1000130-68-2 43
4		4,7,7-Trimethyl-5-(tetrahydropyr...	252 C15H24O3	097500-29-3 43
5		2-Butyne, 1,4-bis[(tetrahydropyr...	254 C14H22O4	092372-45-7 43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072117\
Data File : BF096970.D
Acq On : 22 Jul 2017 5:06
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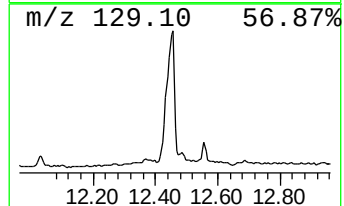
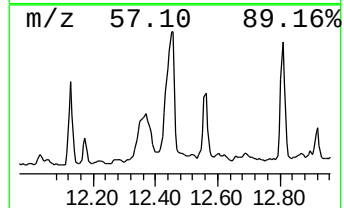
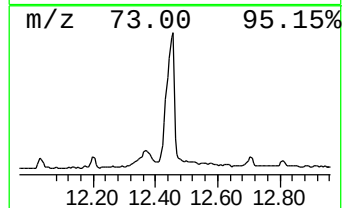
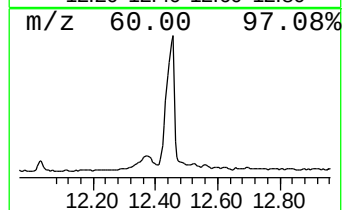
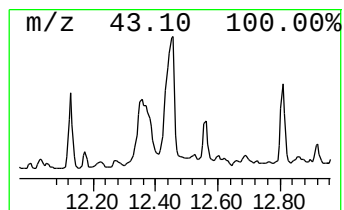
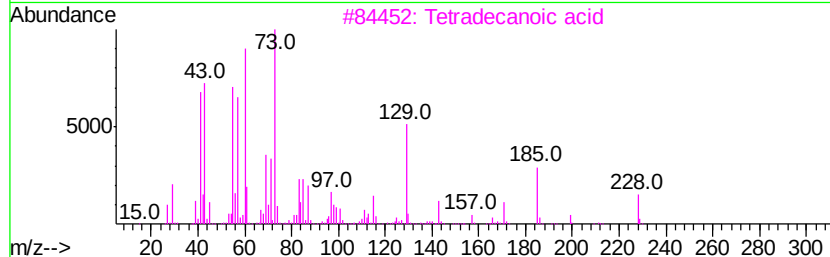
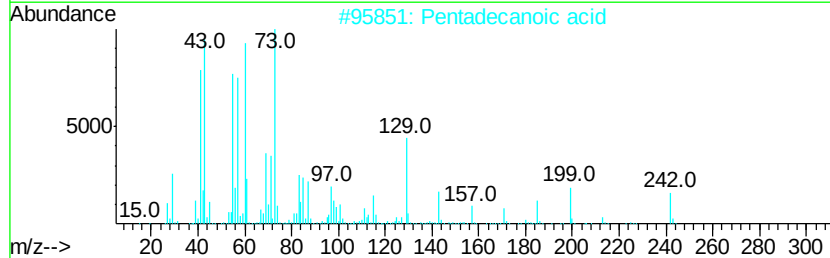
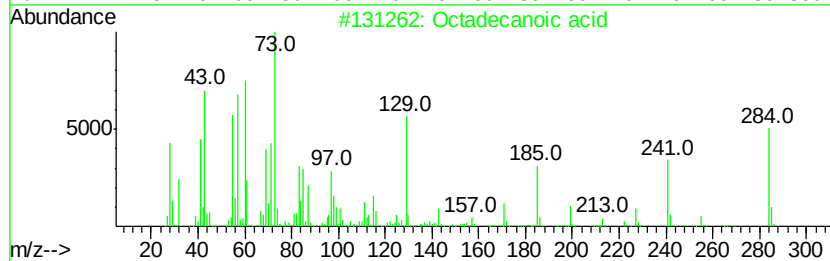
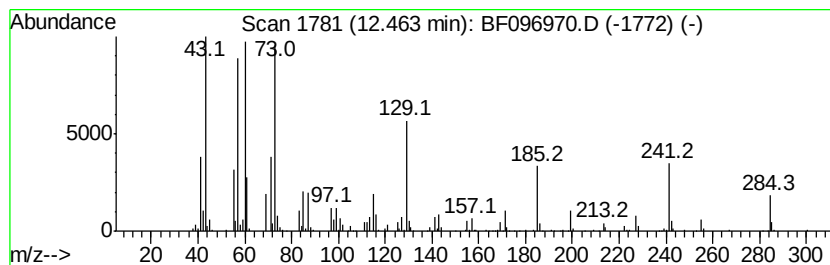
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Octadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	171.04 ng	5853010	Chrysene-d12	13.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	89
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
4	Undecanoic acid	186	C11H22O2	000112-37-8	83
5	Tridecanoic acid	214	C13H26O2	000638-53-9	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
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Acq On : 22 Jul 2017 5:06
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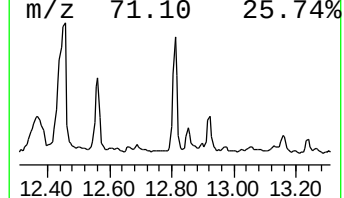
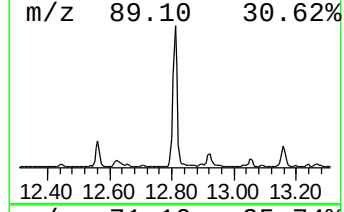
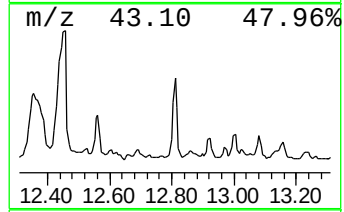
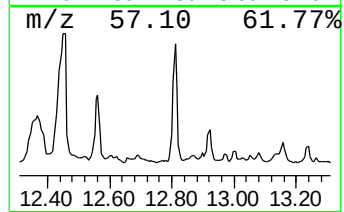
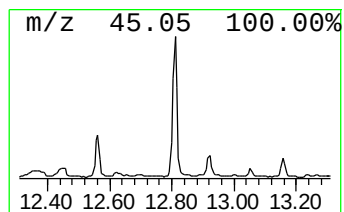
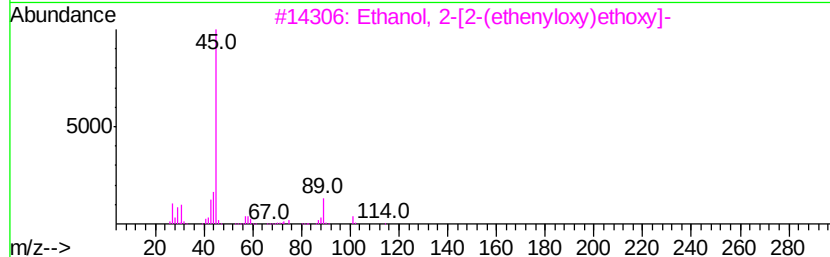
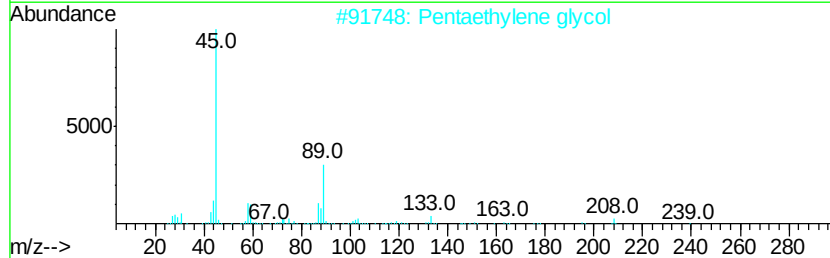
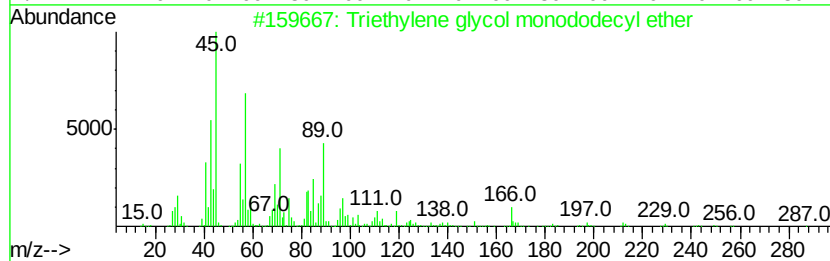
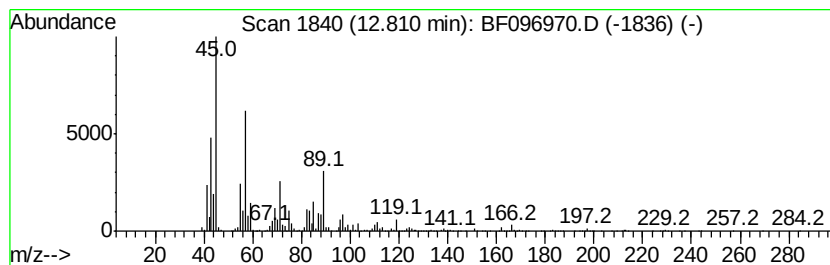
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Triethylene glycol monododecyl... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.81	66.21 ng	2265730	Chrysene-d12	13.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Triethylene glycol monododecyl e...	318	C18H38O4	003055-94-5	86
2		Pentaethylene glycol	238	C10H22O6	004792-15-8	59
3		Ethanol, 2-[2-(ethenyl)oxy]ethoxy]-	132	C6H12O3	000929-37-3	53
4		Tetraethylene glycol	194	C8H18O5	000112-60-7	50
5		Methoxyacetic acid, 3-pentadecyl...	300	C18H36O3	1000282-05-2	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
Data File : BF096970.D
Acq On : 22 Jul 2017 5:06
Operator : SJ/JU
Sample : I4274-03
Misc :
ALS Vial : 33 Sample Multiplier: 1

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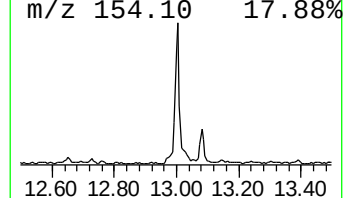
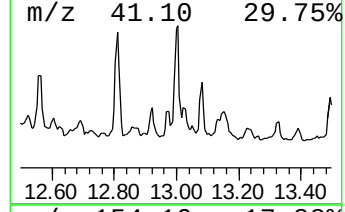
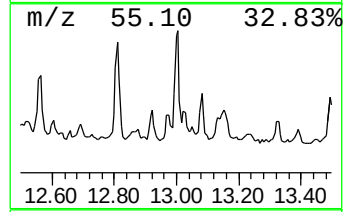
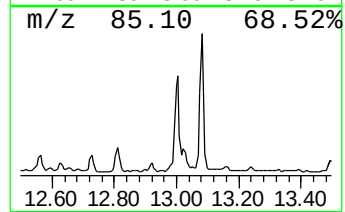
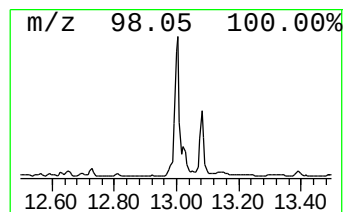
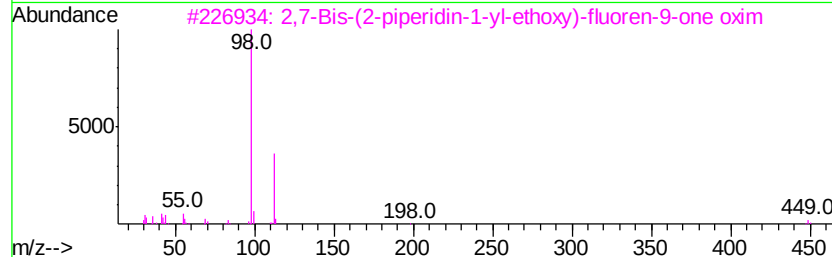
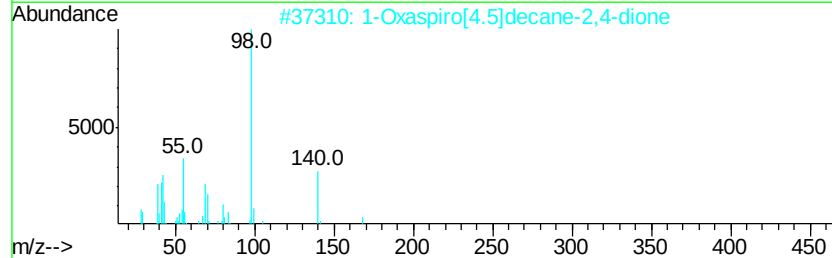
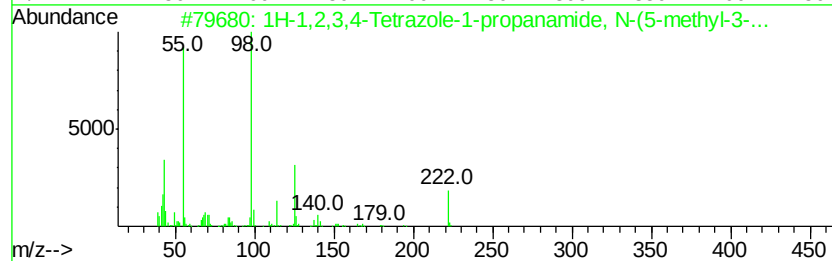
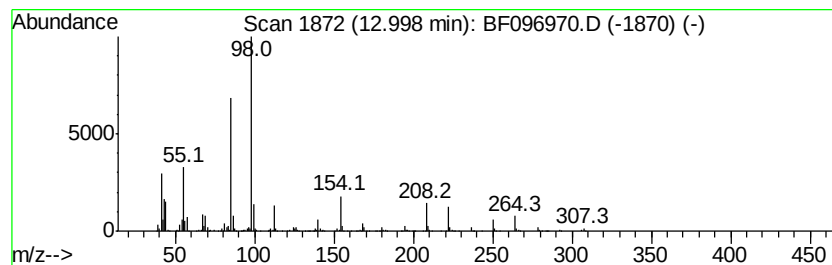
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown13.00 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	54.54 ng	1866520	Chrysene-d12	13.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-1,2,3,4-Tetrazole-1-propanami...	222	C8H10N6O2	1000349-93-9	38
2		1-Oxaspiro[4.5]decane-2,4-dione	168	C9H12O3	022884-78-2	35
3		2,7-Bis-(2-piperidin-1-yl-ethoxyv...	449	C27H35N3O3	1000285-80-1	35
4		N-Nitroso-dihydro-tomatidine	446	C27H46N2O3	1000256-69-5	35
5		Piperidine, 1,1'-(1,2-ethanediyl...	196	C12H24N2	001932-04-3	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072117\
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ClientSampleId :
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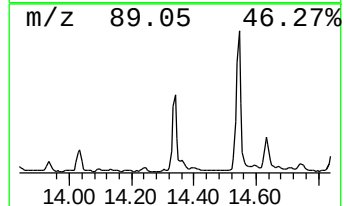
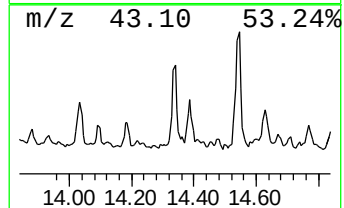
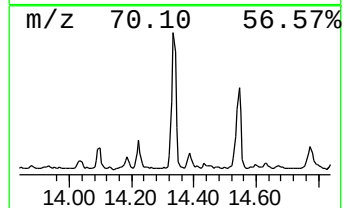
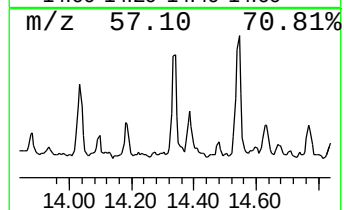
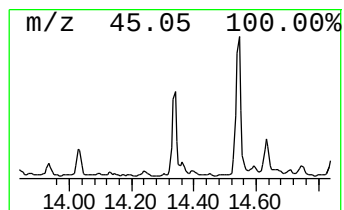
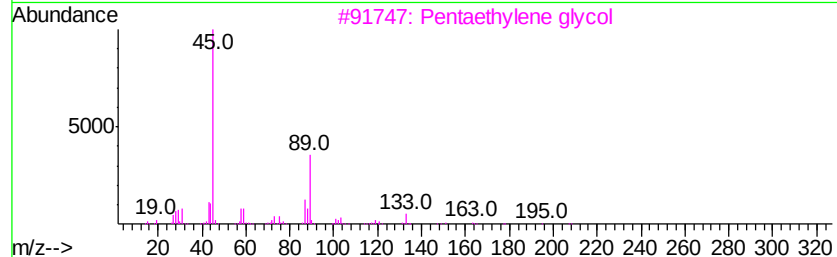
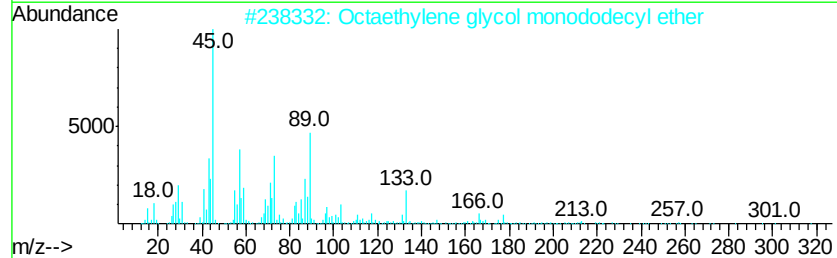
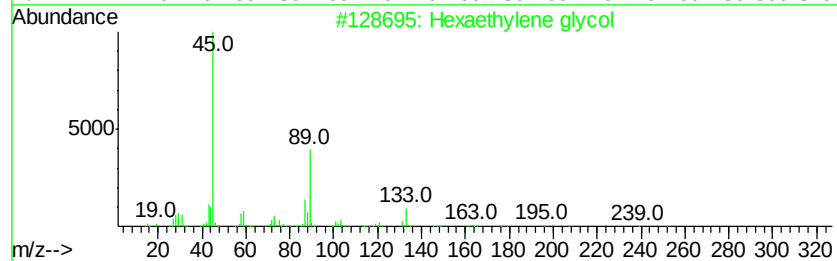
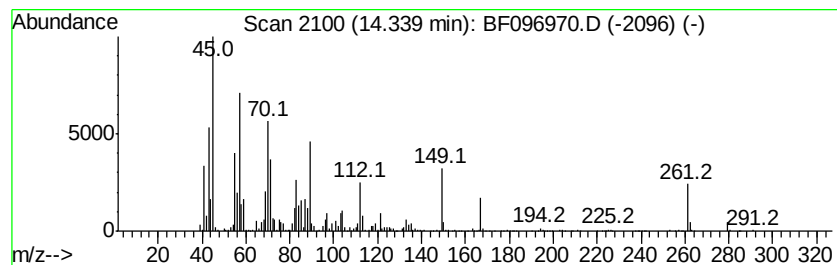
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown14.34 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	44.69 ng	1529160	Chrysene-d12	13.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexaethylene glycol	282	C12H26O7	002615-15-8	38
2		Octaethylene glycol monododecyl ...	538	C28H58O9	003055-98-9	38
3		Pentaethylene glycol	238	C10H22O6	004792-15-8	38
4		1,4,7,10,13,16-Hexaoxacyclooctad...	264	C12H24O6	017455-13-9	35
5		3,6,9,12-Tetraoxahexadecan-1-ol	250	C12H26O5	001559-34-8	35



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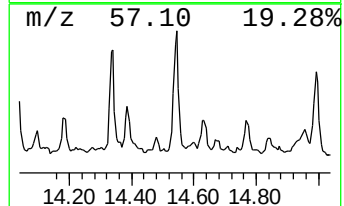
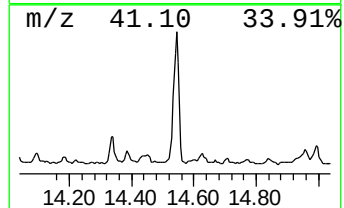
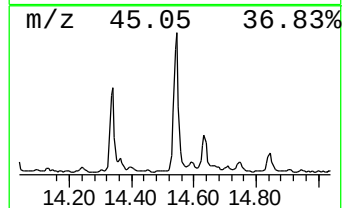
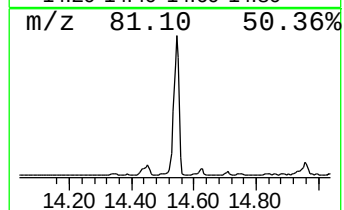
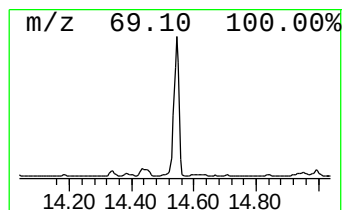
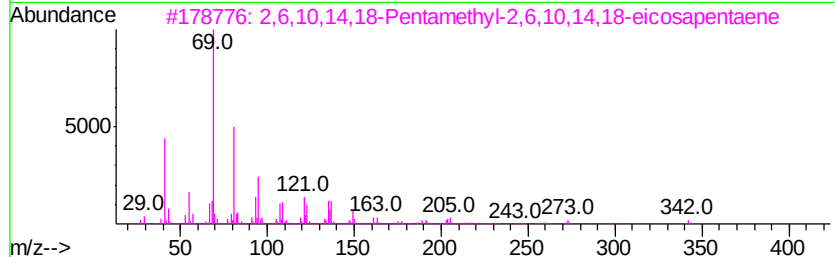
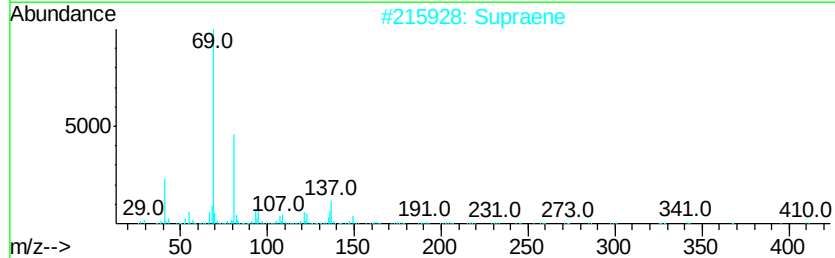
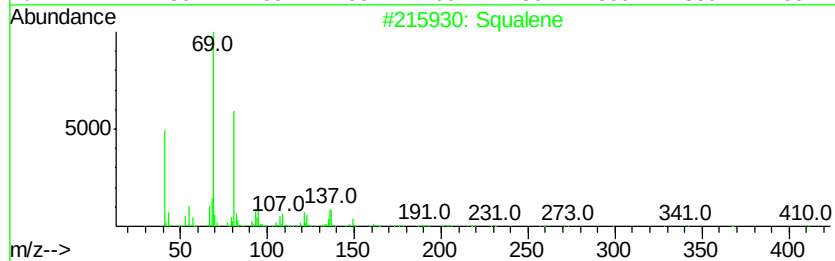
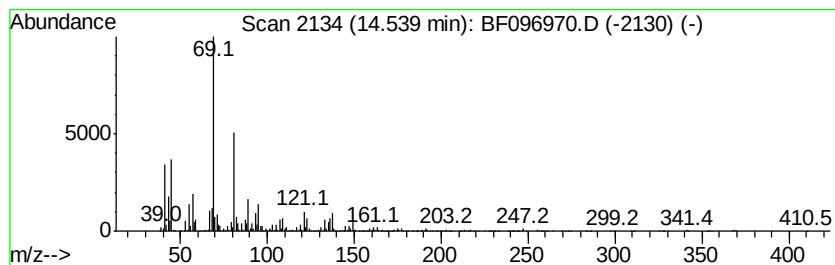
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Squalene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	149.38 ng	4883400	Perylene-d12	15.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Squalene	410	C30H50	000111-02-4	76
2		Supraene	410	C30H50	007683-64-9	70
3		2,6,10,14,18-Pentamethyl-2,6,10,...	342	C25H42	075581-03-2	59
4		2,6,10,14-Hexadecatetraenoic aci...	332	C22H36O2	024035-35-6	50
5		7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
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Sample : I4274-03
Misc :
ALS Vial : 33 Sample Multiplier: 1

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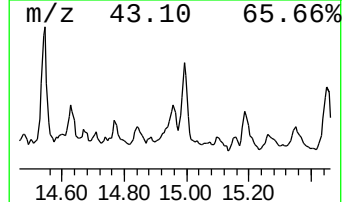
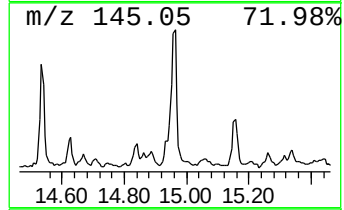
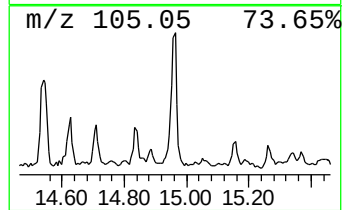
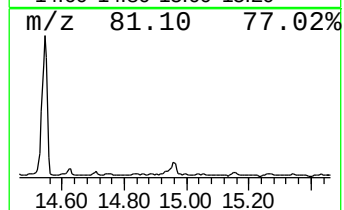
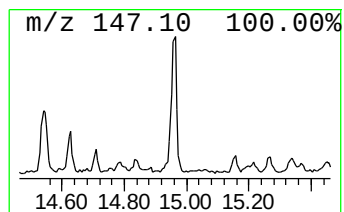
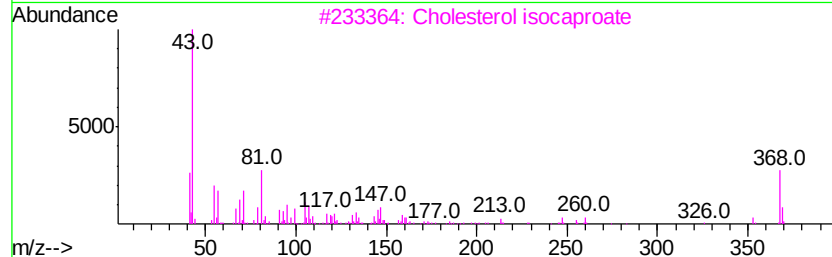
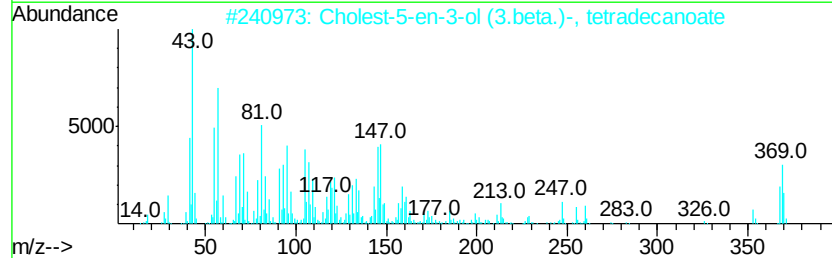
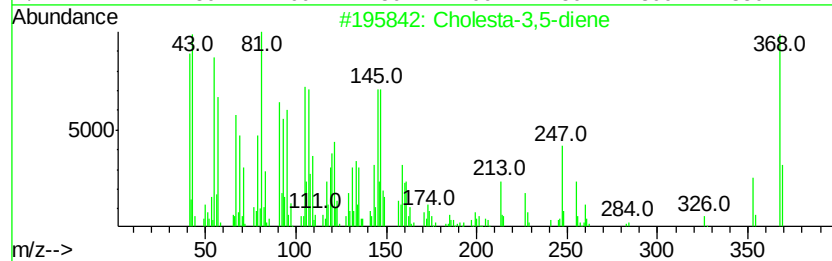
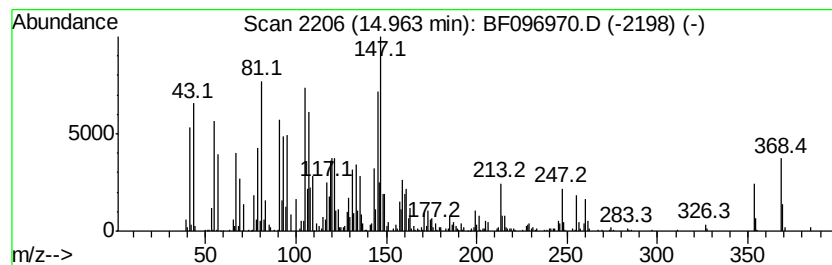
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cholesta-3,5-diene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	46.75 ng	1528300	Perylene-d12	15.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cholesta-3,5-diene	368	C27H44	000747-90-0	90
2		Cholest-5-en-3-ol (3.beta.)-, te...	597	C41H72O2	001989-52-2	53
3		Cholesterol isocaproate	484	C33H56O2	1000252-03-0	50
4		Cholest-5-en-3-ol (3.beta.)-, pr...	442	C30H50O2	000633-31-8	45
5		Methyl 3-acetoxy-5-cholenate	430	C27H42O4	003633-72-5	43



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Data File : BF096970.D
Acq On : 22 Jul 2017 5:06
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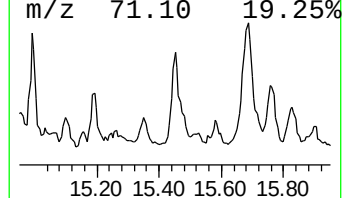
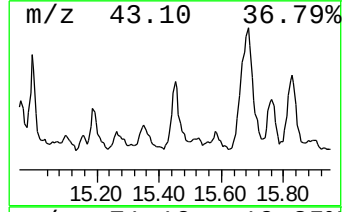
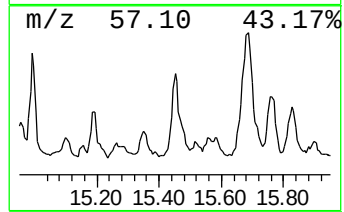
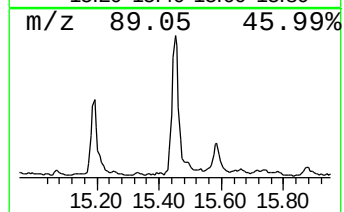
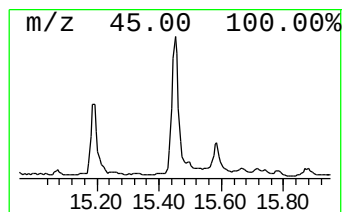
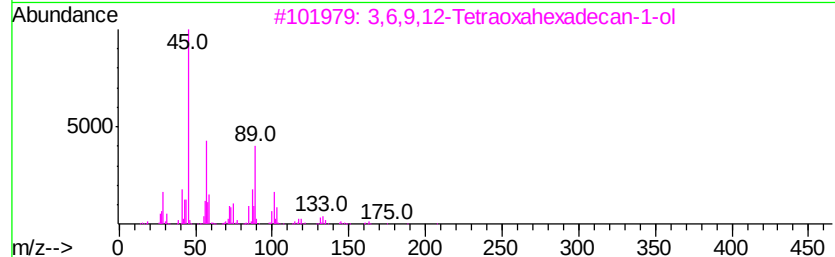
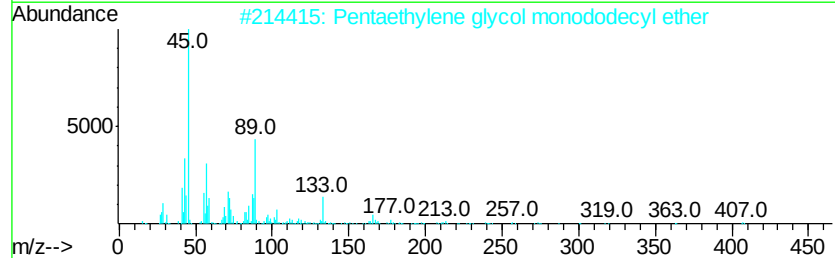
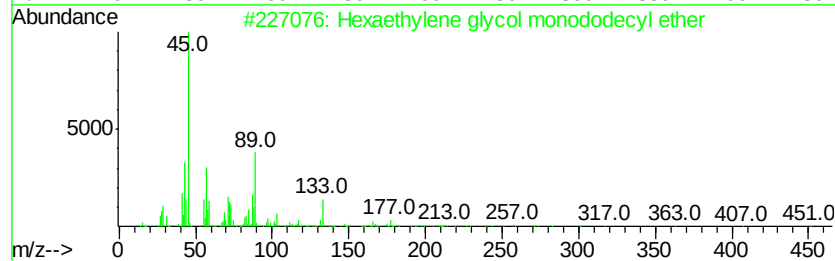
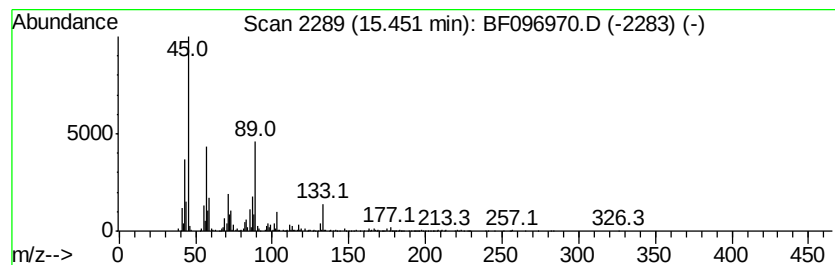
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Hexaethylene glycol monododecyl... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.45	46.84 ng	1531190	Perylene-d12	15.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexaethylene glycol monododecyl ...	450	C24H50O7	003055-96-7	91
2		Pentaethylene glycol monododecyl...	406	C22H46O6	003055-95-6	90
3		3,6,9,12-Tetraoxahexadecan-1-ol	250	C12H26O5	001559-34-8	83
4		2-[2-[2-[2-[2-[2-(2-Hydroxyet...	370	C16H34O9	005117-19-1	83
5		2-[2-[2-[2-[2-[2-[2-(2-Hydrox...	414	C18H38O10	1000352-12-5	81



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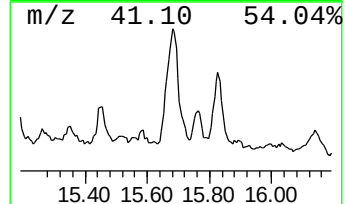
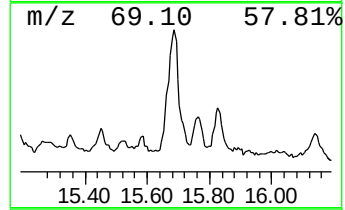
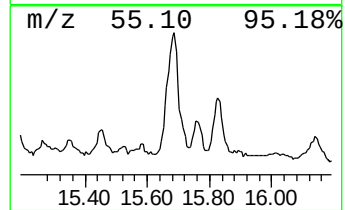
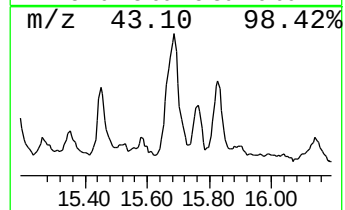
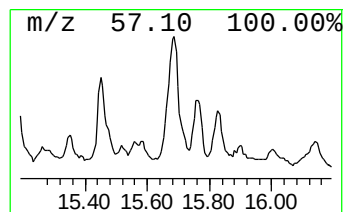
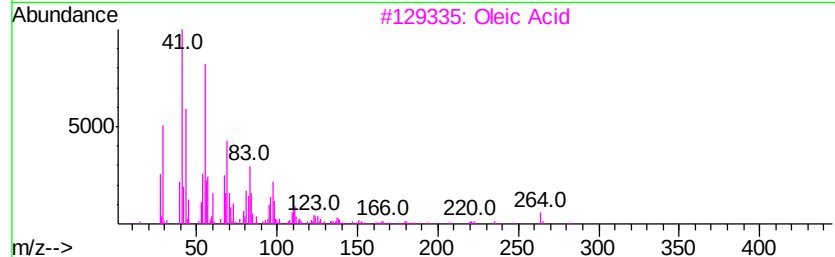
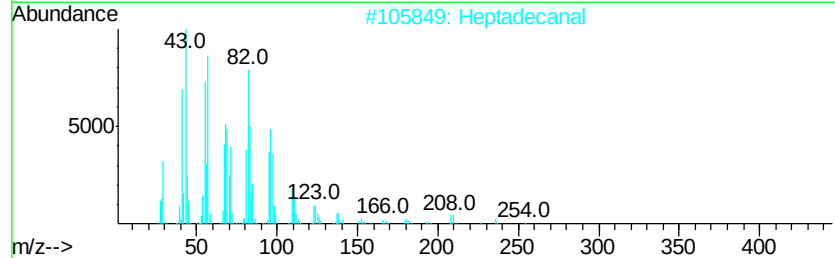
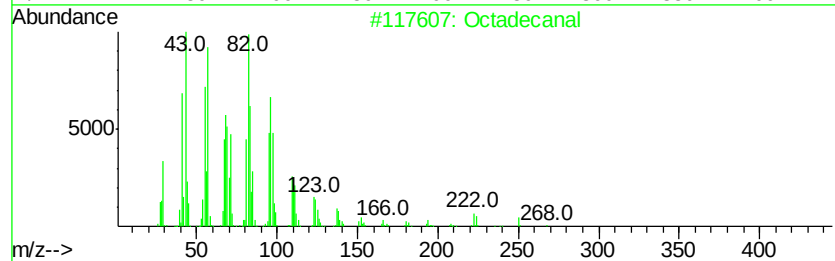
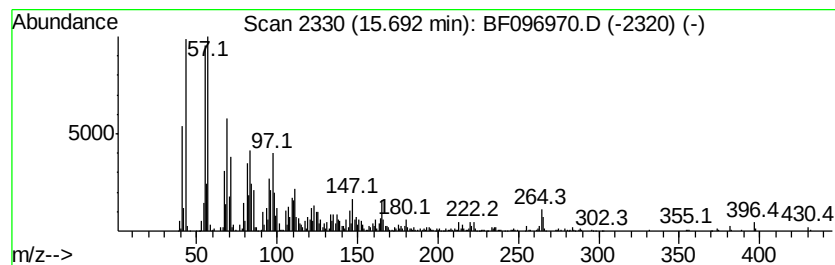
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Octadecanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	144.24 ng	4715480	Perylene-d12	15.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanal	268	C18H36O	000638-66-4	91
2	Heptadecanal	254	C17H34O	1000376-70-0	86
3	Oleic Acid	282	C18H34O2	000112-80-1	83
4	Tetradecanal	212	C14H28O	000124-25-4	83
5	Decyl oleate	422	C28H54O2	003687-46-5	74



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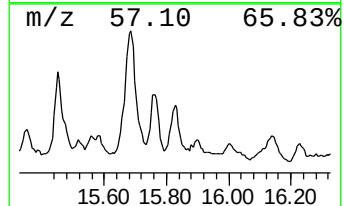
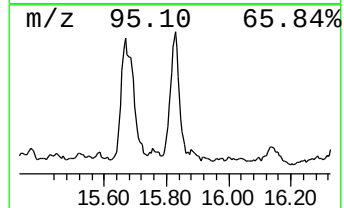
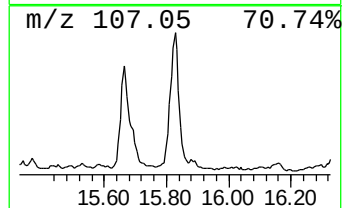
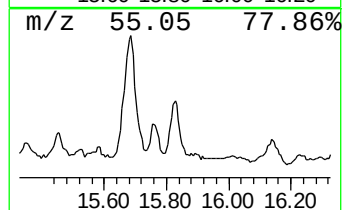
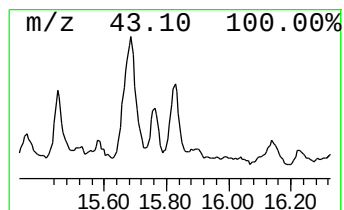
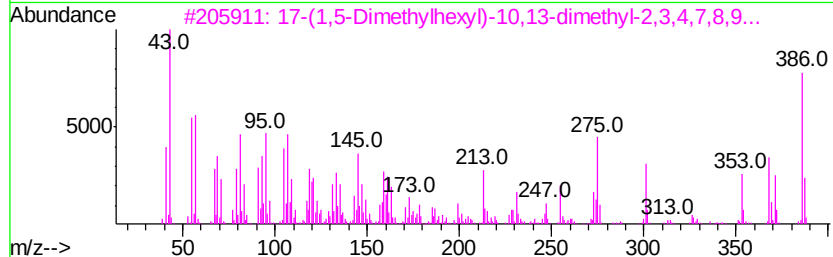
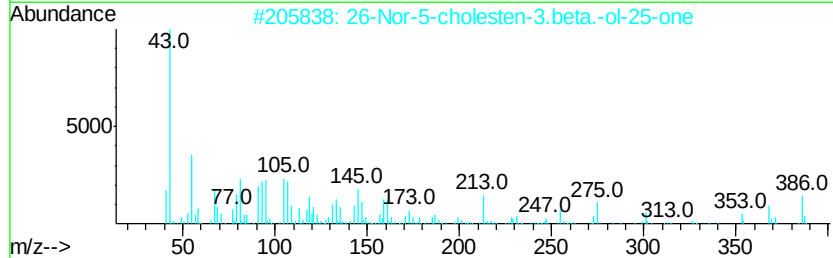
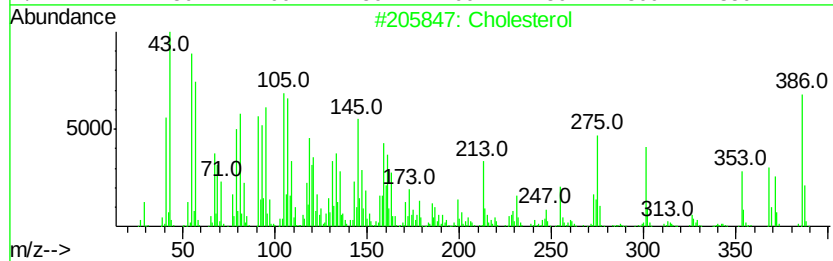
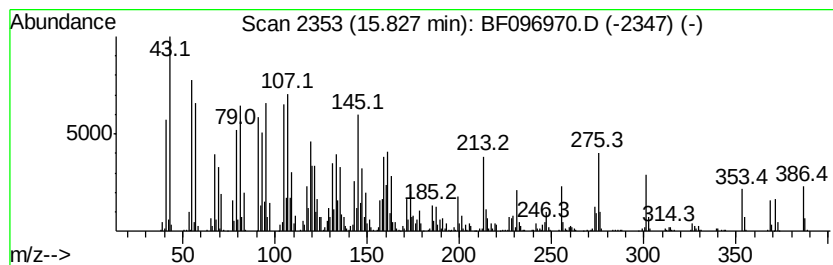
Instrument :
BNA_F
ClientSampleId :
M-COMB-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Cholesterol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.83	84.55 ng	2764040	Perylene-d12	15.06	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholesterol	386	C27H46O	000057-88-5	96
2	26-Nor-5-cholesten-3.beta.-ol-25...	386	C26H42O2	007494-34-0	95
3	17-(1,5-Dimethylhexyl)-10,13-dim...	386	C27H46O	1000210-38-4	78
4	Cholest-5-en-3-ol (3.beta.)-, pr...	442	C30H50O2	000633-31-8	50
5	Cholesteryl benzoate	490	C34H50O2	000604-32-0	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072117\
Data File : BF096970.D
Acq On : 22 Jul 2017 5:06
Operator : SJ/JU
Sample : I4274-03
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-COMB-4

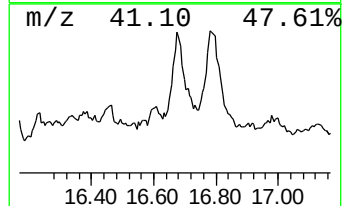
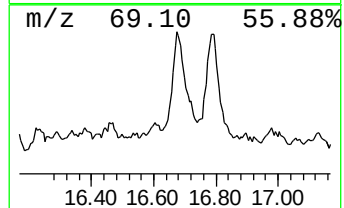
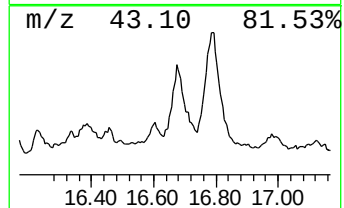
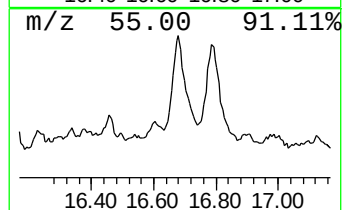
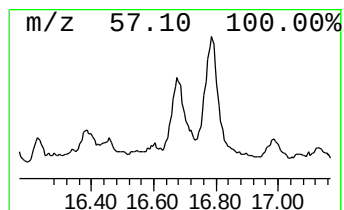
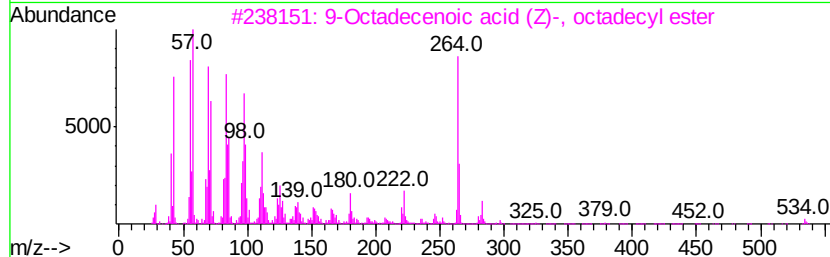
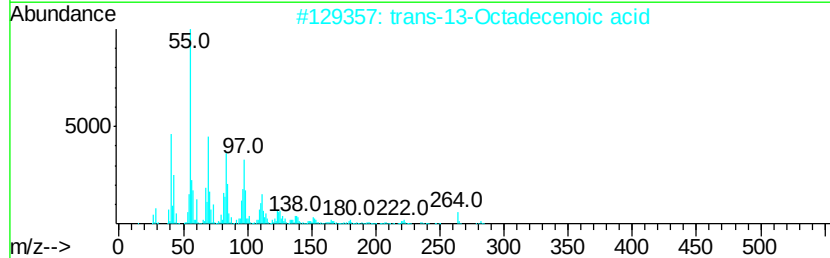
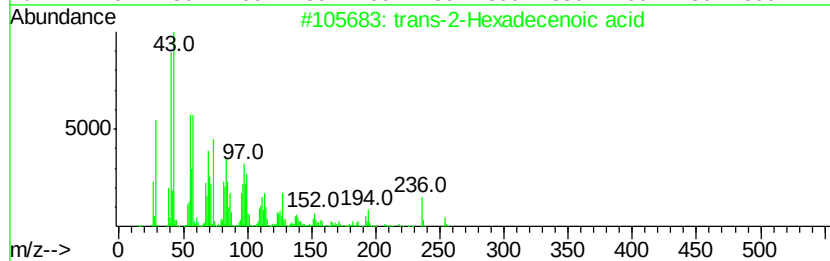
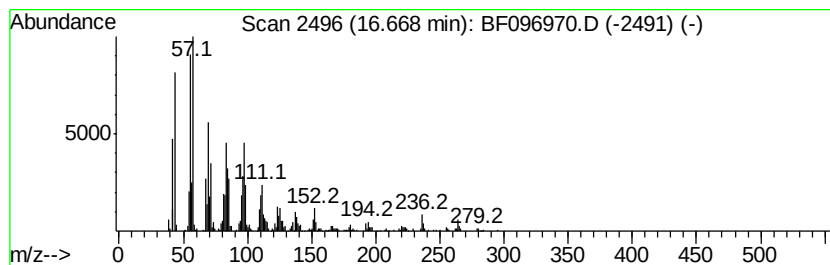
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 trans-2-Hexadecenoic acid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.67	46.15 ng	1508850	Perylene-d12	15.06

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-2-Hexadecenoic acid	254	C16H30O2	000929-79-3	90
2			trans-13-Octadecenoic acid	282	C18H34O2	000693-71-0	83
3			9-Octadecenoic acid (Z)-, octade...	535	C36H70O2	017673-49-3	83
4			cis-Vaccenic acid	282	C18H34O2	000506-17-2	83
5			9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	74



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
Data File : BF096970.D
Acq On : 22 Jul 2017 5:06
Operator : SJ/JU
Sample : I4274-03
Misc :
ALS Vial : 33 Sample Multiplier: 1

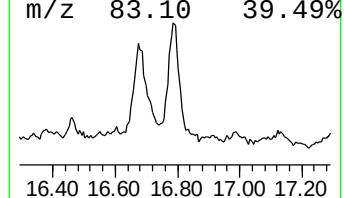
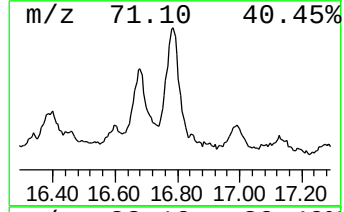
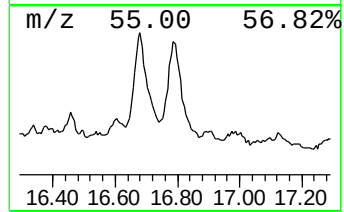
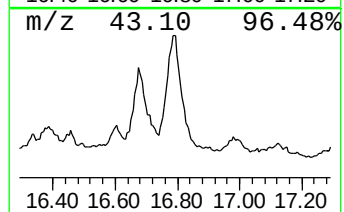
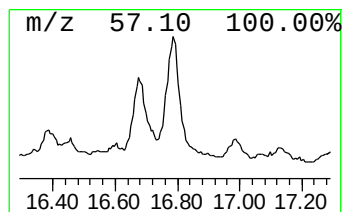
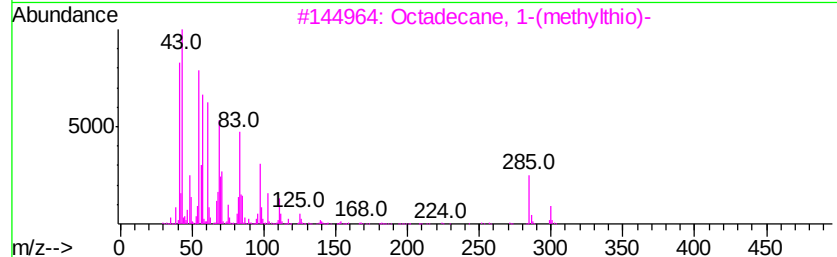
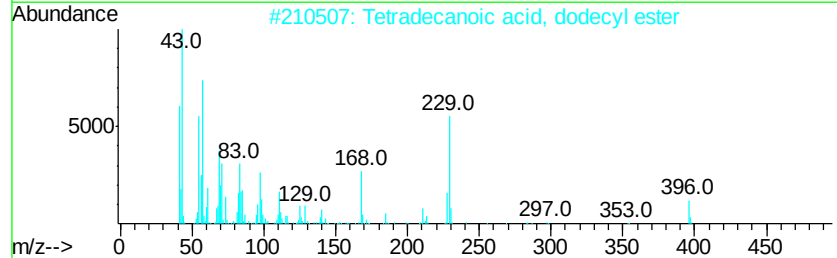
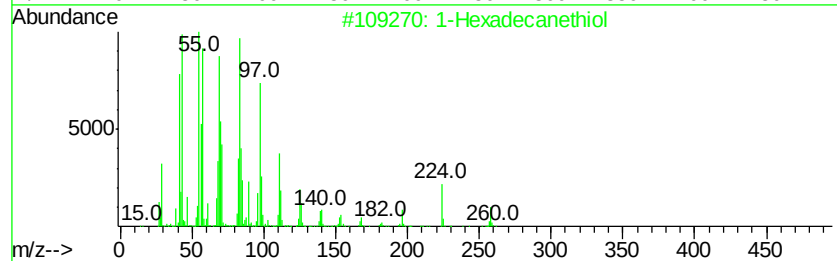
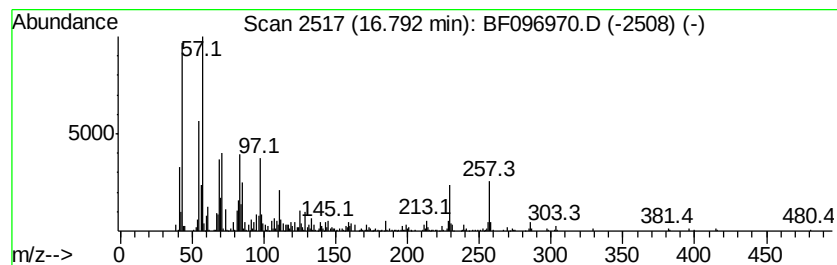
Instrument :
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ClientSampleId :
M-COMB-4

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 1-Hexadecanethiol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	82.51 ng	2697260	Perylene-d12	15.06
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1-Hexadecanethiol	258 C16H34S	002917-26-2 56
2		Tetradecanoic acid, dodecyl ester	396 C26H52O2	002040-64-4 43
3		Octadecane, 1-(methylthio)-	300 C19H40S	040289-98-3 32
4		Hexadecanoic acid, 2-hydroxy-, m...	286 C17H34O3	016742-51-1 25
5		Hexadecanoic acid, tetradecyl ester	452 C30H60O2	004536-26-9 16



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
Data File : BF096970.D
Acq On : 22 Jul 2017 5:06
Operator : SJ/JU
Sample : I4274-03
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-COMB-4

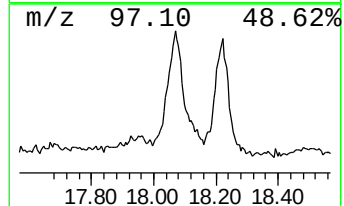
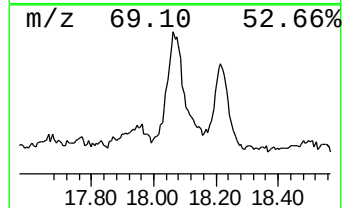
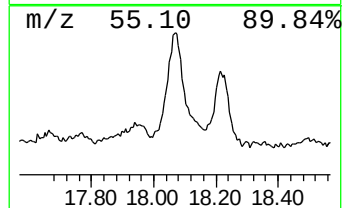
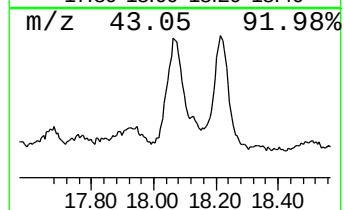
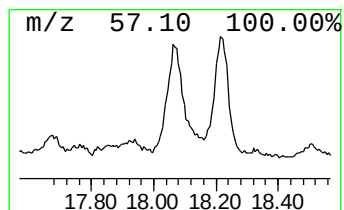
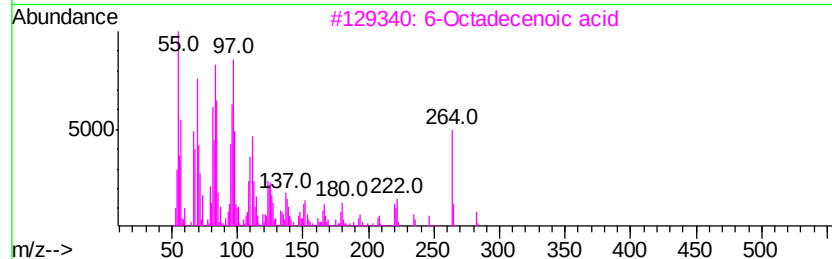
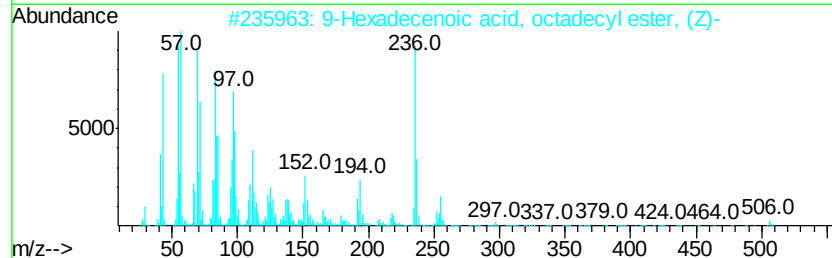
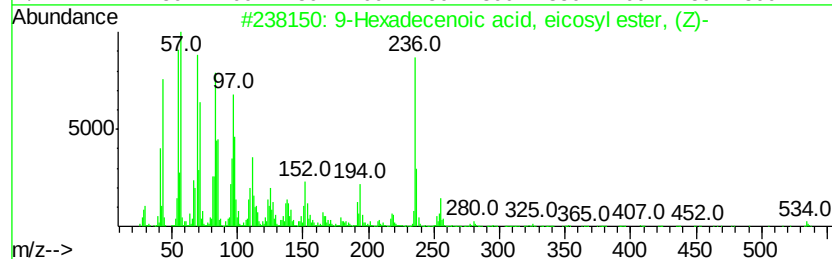
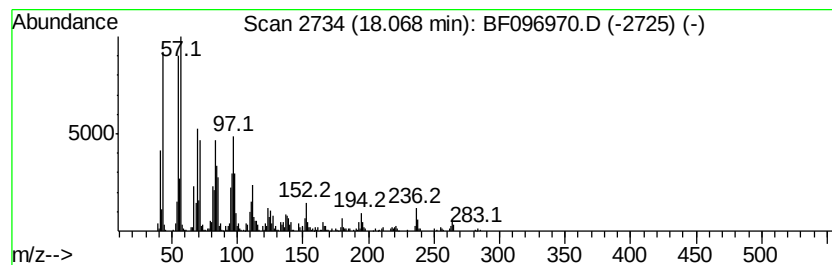
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 9-Hexadecenoic acid, eicosy... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	45.84 ng	1498450	Perylene-d12	15.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9-Hexadecenoic acid, eicosyl est...	535	C36H70O2	022522-34-5	90
2		9-Hexadecenoic acid, octadecyl e...	507	C34H66O2	022393-84-6	90
3		6-Octadecenoic acid	282	C18H34O2	1000336-66-8	81
4		11-Hexadecenoic acid, methyl ester	268	C17H32O2	055000-42-5	80
5		cis-10-Heptadecenoic acid	268	C17H32O2	029743-97-3	74



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072117\
 Data File : BF096970.D
 Acq On : 22 Jul 2017 5:06
 Operator : SJ/JU
 Sample : I4274-03
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M-COMB-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.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
Ethanol, 2-(1-met...	4.74	65.6	ng	2239540	1	6.56	682523	20.0
unknown6.33	6.33	46.2	ng	1576880	1	6.56	682523	20.0
Ethanol, 2-phenoxy-	8.02	63.7	ng	2590880	2	7.84	813737	20.0
N,N-Dimethyloctyl...	10.56	95.2	ng	4672620	4	11.06	981747	20.0
Tetradecanoic acid	10.80	78.2	ng	3838000	4	11.06	981747	20.0
Dimethyl palmitamine	11.43	48.2	ng	2366620	4	11.06	981747	20.0
n-Hexadecanoic acid	11.69	276.4	ng	13568000	4	11.06	981747	20.0
Decanamide, N-(2-...	12.35	205.2	ng	10072800	4	11.06	981747	20.0
Octadecanoic acid	12.46	171.0	ng	5853010	5	13.69	684402	20.0
Triethylene glyco...	12.81	66.2	ng	2265730	5	13.69	684402	20.0
unknown13.00	13.00	54.5	ng	1866520	5	13.69	684402	20.0
unknown14.34	14.34	44.7	ng	1529160	5	13.69	684402	20.0
Squalene	14.54	149.4	ng	4883400	6	15.06	653840	20.0
Cholesta-3,5-diene	14.96	46.8	ng	1528300	6	15.06	653840	20.0
Hexaethylene glyc...	15.45	46.8	ng	1531190	6	15.06	653840	20.0
Octadecanal	15.69	144.2	ng	4715480	6	15.06	653840	20.0
Cholesterol	15.83	84.5	ng	2764040	6	15.06	653840	20.0
trans-2-Hexadecen...	16.67	46.1	ng	1508850	6	15.06	653840	20.0
1-Hexadecanethiol	16.79	82.5	ng	2697260	6	15.06	653840	20.0
9-Hexadecenoic ac...	18.07	45.8	ng	1498450	6	15.06	653840	20.0