

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
 Data File : BF096951.D
 Acq On : 21 Jul 2017 18:34
 Operator : SJ/JU
 Sample : I4302-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-7D1213

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\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	3.340	222	230	243	rBV	214023	422132	1.98%	0.215%
2	4.704	459	462	476	rVB	229294	299391	1.40%	0.152%
3	5.151	534	538	550	rBV	2343494	2427033	11.38%	1.236%
4	5.822	648	652	656	rVB	1891377	1779902	8.34%	0.906%
5	6.210	708	718	722	rBV	2400426	2912213	13.65%	1.483%
6	6.257	722	726	732	rVV2	3864546	4501503	21.10%	2.292%
7	6.322	732	737	741	rVB	2430248	2607800	12.23%	1.328%
8	6.551	773	776	779	rBV	870244	735035	3.45%	0.374%
9	6.645	787	792	795	rVV	3906935	4047256	18.97%	2.060%
10	6.681	795	798	800	rVV	878591	669841	3.14%	0.341%
11	6.710	800	803	806	rVV2	1848555	2005997	9.40%	1.021%
12	7.116	868	872	875	rBV	1549220	1563443	7.33%	0.796%
13	7.575	947	950	954	rVB	663687	657700	3.08%	0.335%
14	7.833	991	994	998	rBV	1180113	1111718	5.21%	0.566%
15	7.869	998	1000	1002	rVV	254666	227761	1.07%	0.116%
16	7.892	1002	1004	1007	rVV2	237927	253894	1.19%	0.129%
17	8.863	1165	1169	1174	rBV2	873297	935651	4.39%	0.476%
18	8.916	1174	1178	1181	rVB	2101706	1918569	8.99%	0.977%
19	8.969	1185	1187	1192	rVB2	349189	385257	1.81%	0.196%
20	9.022	1192	1196	1199	rBV2	555942	479276	2.25%	0.244%
21	9.057	1199	1202	1205	rVB	489243	388515	1.82%	0.198%
22	9.098	1205	1209	1212	rBV	655760	550878	2.58%	0.280%
23	9.157	1212	1219	1223	rBV5	147616	242915	1.14%	0.124%
24	9.227	1223	1231	1234	rBV	3979445	4408634	20.67%	2.244%
25	9.310	1242	1245	1246	rBV	342799	289299	1.36%	0.147%
26	9.327	1246	1248	1251	rVB2	466180	393949	1.85%	0.201%
27	9.469	1260	1272	1275	rBV	4044347	4464037	20.93%	2.273%
28	9.580	1286	1291	1295	rBV	1112830	1171655	5.49%	0.596%
29	9.633	1295	1300	1304	rVB2	671607	673413	3.16%	0.343%
30	9.692	1307	1310	1312	rBV	558872	519347	2.43%	0.264%
31	9.733	1312	1317	1319	rBV2	676894	653595	3.06%	0.333%
32	9.857	1335	1338	1341	rBV2	216783	238851	1.12%	0.122%
33	10.039	1362	1369	1371	rBV2	342537	390136	1.83%	0.199%
34	10.069	1371	1374	1376	rBV	275166	226053	1.06%	0.115%

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

35	10.257	1401	1406	1409	rBV	306237	324690	1.52%	0.165%
36	10.369	1421	1425	1428	rVB	1240197	1097115	5.14%	0.559%
37	10.504	1445	1448	1449	rBV2	269349	240723	1.13%	0.123%
38	10.522	1449	1451	1456	rVB	419704	449890	2.11%	0.229%
39	10.592	1460	1463	1470	rVB2	531240	654989	3.07%	0.333%
40	10.692	1477	1480	1484	rVB2	494030	440111	2.06%	0.224%
41	10.733	1484	1487	1490	rBV	961724	890633	4.18%	0.453%
42	10.980	1526	1529	1532	rVB	1296295	1100120	5.16%	0.560%
43	11.057	1539	1542	1544	rBV	775601	662056	3.10%	0.337%
44	11.080	1544	1546	1552	rVB2	221758	283398	1.33%	0.144%
45	11.216	1566	1569	1571	rBV2	347081	308662	1.45%	0.157%
46	11.292	1580	1582	1587	rVB3	228009	280499	1.32%	0.143%
47	11.457	1604	1610	1613	rVB2	1143765	1546647	7.25%	0.787%
48	11.533	1620	1623	1626	rBV	2145530	2293910	10.75%	1.168%
49	11.563	1626	1628	1632	rVB	1174550	1042017	4.89%	0.530%
50	11.627	1635	1639	1644	rBV3	591397	1056909	4.95%	0.538%
51	11.704	1644	1652	1654	rBV5	689192	975164	4.57%	0.496%
52	11.733	1654	1657	1660	rBV	762605	859746	4.03%	0.438%
53	11.780	1660	1665	1667	rVV	2795097	3423401	16.05%	1.743%
54	11.816	1667	1671	1676	rVB2	3364494	4598565	21.56%	2.341%
55	11.863	1676	1679	1682	rBV2	292645	336396	1.58%	0.171%
56	11.951	1685	1694	1697	rBV3	4948655	11079151	51.94%	5.640%
57	12.027	1702	1707	1709	rVB	3063464	3807005	17.85%	1.938%
58	12.104	1712	1720	1724	rBV	2317530	3694363	17.32%	1.881%
59	12.145	1724	1727	1728	rBV2	479915	419390	1.97%	0.214%
60	12.168	1728	1731	1737	rVB3	1490270	1699823	7.97%	0.865%
61	12.227	1737	1741	1746	rVB5	257579	431796	2.02%	0.220%
62	12.368	1752	1765	1767	rBV2	4157908	13251420	62.12%	6.746%
63	12.392	1767	1769	1772	rVB2	2910764	2342226	10.98%	1.192%
64	12.416	1772	1773	1777	rBV3	309397	296204	1.39%	0.151%
65	12.457	1777	1780	1786	rVB5	435630	688848	3.23%	0.351%
66	12.515	1787	1790	1792	rBV	394962	358988	1.68%	0.183%
67	12.539	1792	1794	1796	rVB	390942	296824	1.39%	0.151%
68	12.568	1796	1799	1804	rVB3	551953	671645	3.15%	0.342%
69	12.621	1804	1808	1811	rBV	1502964	1681788	7.88%	0.856%
70	12.663	1811	1815	1816	rBV2	546221	651704	3.06%	0.332%
71	12.727	1822	1826	1832	rVB3	338999	679421	3.19%	0.346%

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72	12.880	1832	1852	1853	rBV2	4019788	21330441	100.00%	10.859%
73	12.963	1862	1866	1871	rVV2	2361350	3119300	14.62%	1.588%
74	13.074	1880	1885	1890	rVB3	529423	705429	3.31%	0.359%
75	13.151	1894	1898	1905	rBV2	638659	1055292	4.95%	0.537%
76	13.304	1920	1924	1929	rBV3	1099034	1263156	5.92%	0.643%
77	13.357	1930	1933	1935	rBV2	373380	374558	1.76%	0.191%
78	13.439	1944	1947	1948	rBV2	437500	372571	1.75%	0.190%
79	13.592	1959	1973	1976	rBV3	2983649	10207093	47.85%	5.196%
80	13.621	1976	1978	1985	rVB	1947272	1909582	8.95%	0.972%
81	13.704	1990	1992	1995	rVB	408968	352847	1.65%	0.180%
82	13.839	2007	2015	2018	rBV2	1804755	3946926	18.50%	2.009%
83	13.874	2018	2021	2023	rVV2	831390	973535	4.56%	0.496%
84	13.898	2023	2025	2028	rVB2	407497	356179	1.67%	0.181%
85	14.010	2042	2044	2047	rVB	677932	565273	2.65%	0.288%
86	14.215	2073	2079	2088	rVV	3765903	6157564	28.87%	3.135%
87	14.286	2088	2091	2095	rVB	495132	444589	2.08%	0.226%
88	14.451	2113	2119	2121	rBV	1281285	2107916	9.88%	1.073%
89	14.480	2121	2124	2127	rVB	1506349	1618294	7.59%	0.824%
90	15.074	2222	2225	2235	rVB2	432026	855274	4.01%	0.435%
91	15.686	2325	2329	2338	rVB3	279297	814398	3.82%	0.415%
92	16.368	2437	2445	2453	rBV3	1163940	2810385	13.18%	1.431%
93	16.639	2486	2491	2493	rBV4	168977	309698	1.45%	0.158%
94	16.721	2497	2505	2514	rVV	1531625	3846852	18.03%	1.958%
95	16.886	2517	2533	2539	rVV3	2253239	8924351	41.84%	4.543%
96	16.945	2540	2543	2552	rVB3	515928	910182	4.27%	0.463%
97	17.127	2568	2574	2579	rBV4	377677	912806	4.28%	0.465%
98	17.180	2579	2583	2589	rVB2	382217	706592	3.31%	0.360%
99	17.721	2665	2675	2682	rVB	1061015	2944990	13.81%	1.499%
100	19.321	2925	2947	2954	rBV4	1417917	7064696	33.12%	3.597%

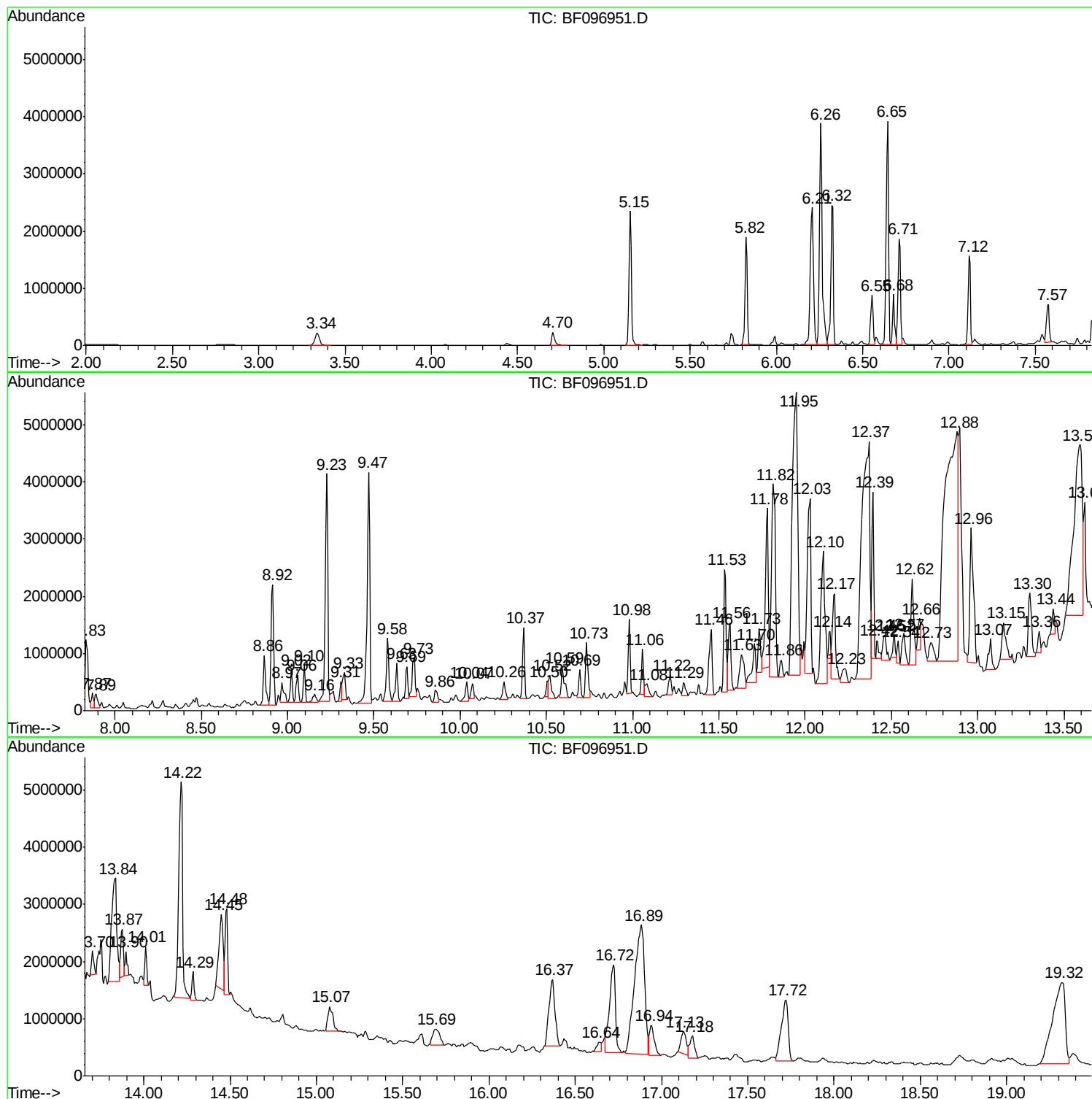
Sum of corrected areas: 196429655

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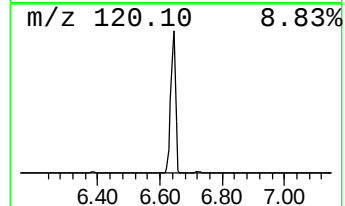
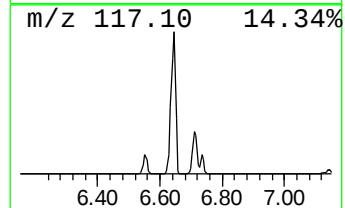
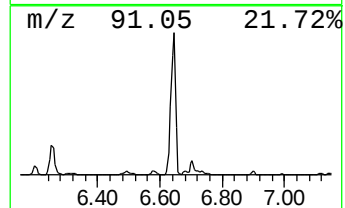
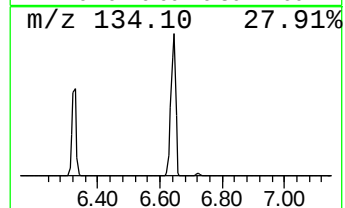
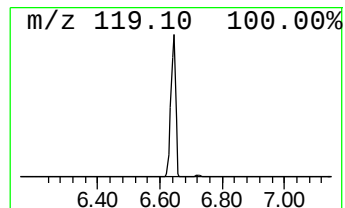
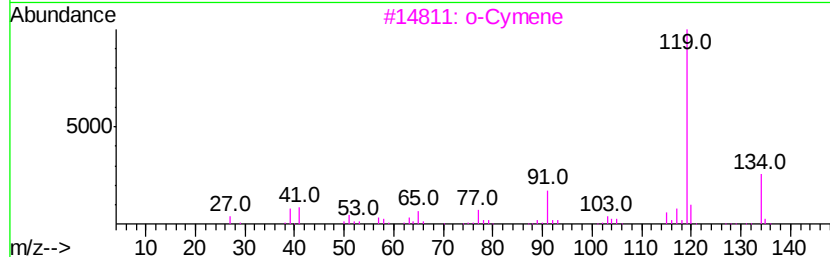
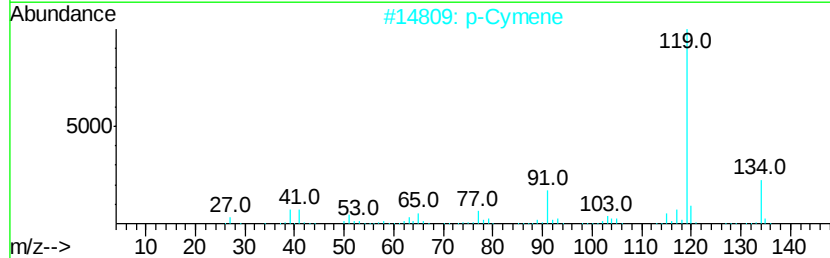
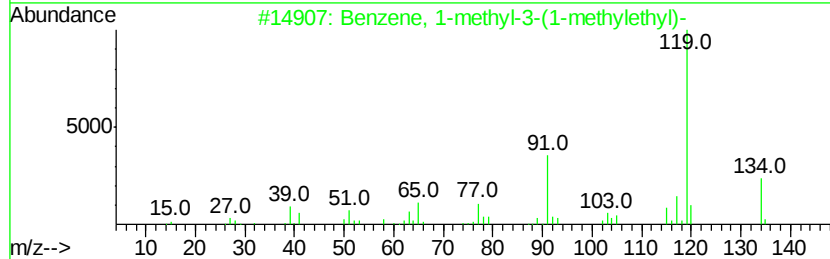
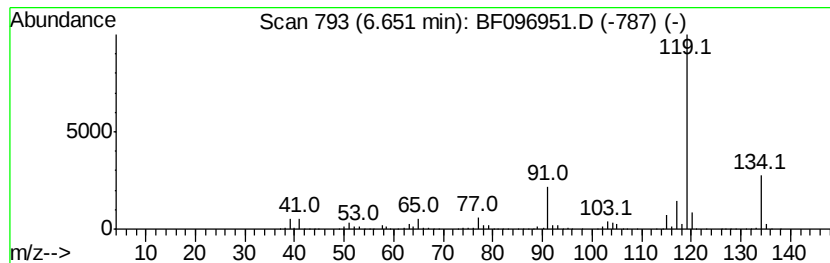
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Benzene, 1-methyl-3-(1-meth... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	110.12 ng	4047260	1,4-Dichlorobenzene-d4	6.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	95
2		p-Cymene	134	C10H14	000099-87-6	94
3		o-Cymene	134	C10H14	000527-84-4	94
4		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91



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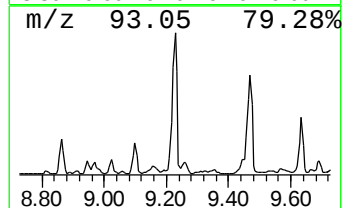
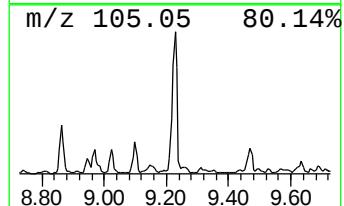
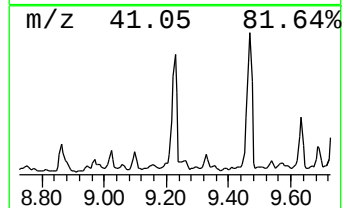
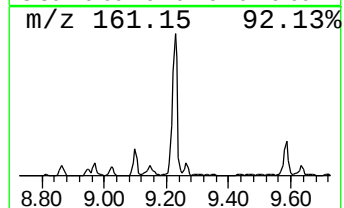
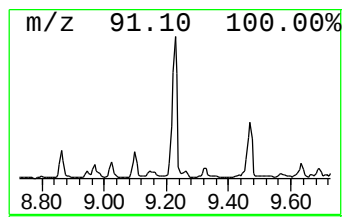
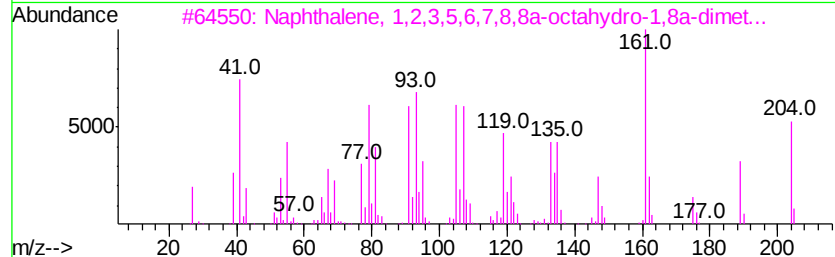
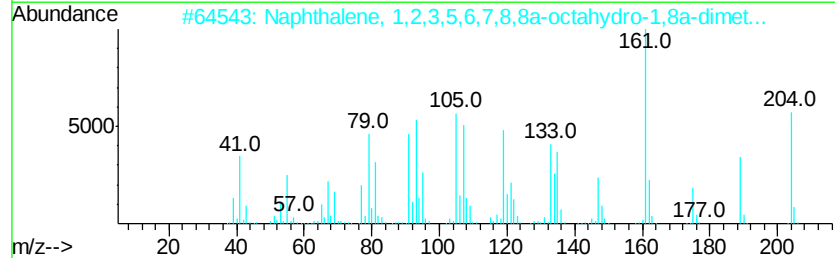
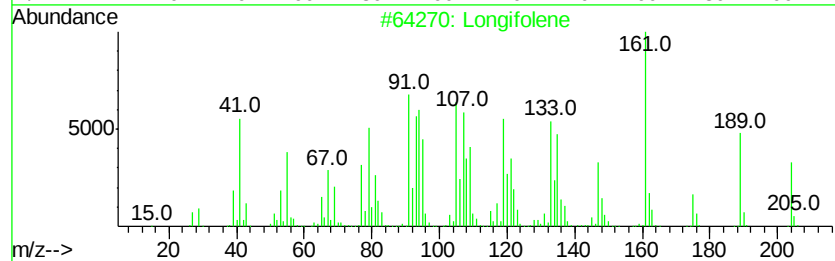
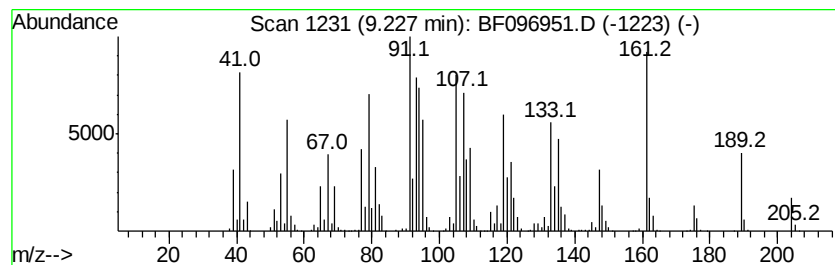
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Longifolene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.23	75.25 ng	4408630	Acenaphthene-d10	9.58

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Longifolene	204	C15H24	000475-20-7	99
2		Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	004630-07-3	97
3		Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	010219-75-7	91
4		Aromandendrene	204	C15H24	000489-39-4	89
5		.beta.-Neoclovene	204	C15H24	056684-96-9	86



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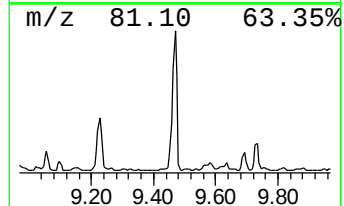
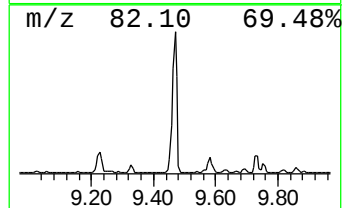
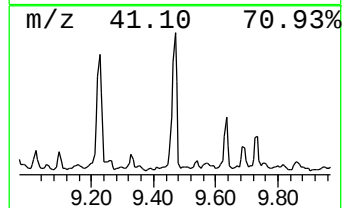
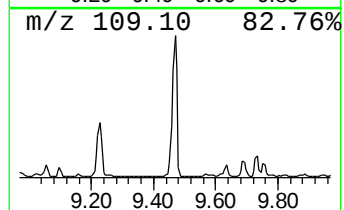
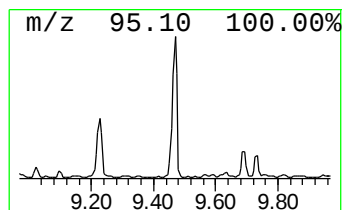
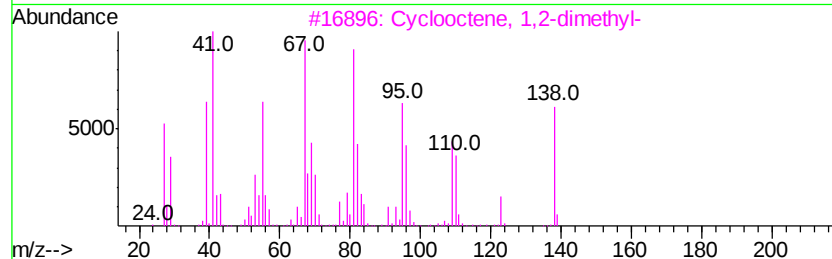
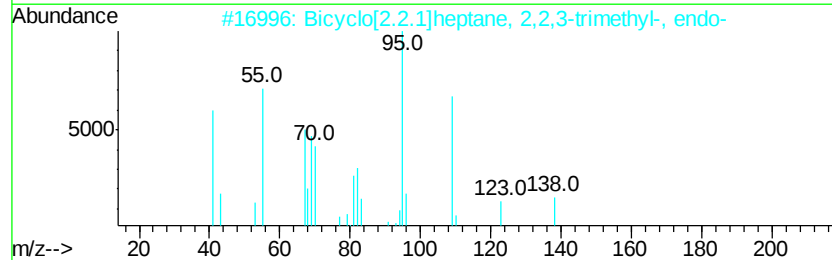
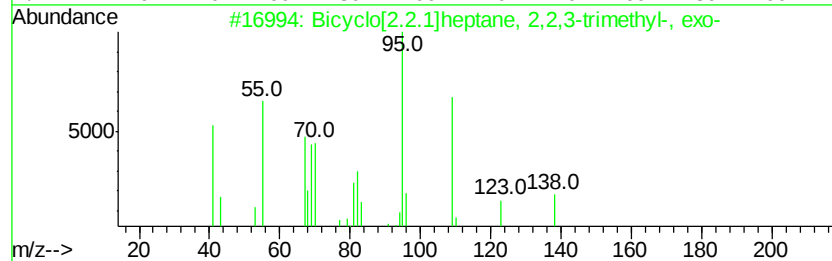
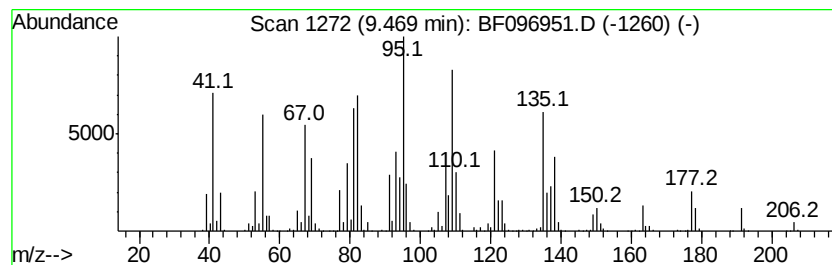
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown9.47 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	76.20 ng	4464040	Acenaphthene-d10	9.58

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-41-8	49
2		Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	49
3		Cyclooctene, 1,2-dimethyl-	138	C10H18	054299-96-6	35
4		Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	30
5		3,5-Octadiene, 2,7-dimethyl-, (E...	138	C10H18	055682-64-9	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072117\
Data File : BF096951.D
Acq On : 21 Jul 2017 18:34
Operator : SJ/JU
Sample : I4302-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

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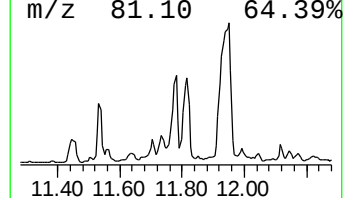
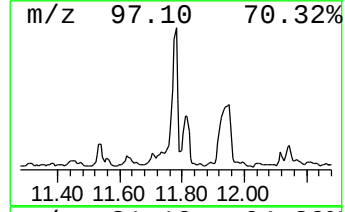
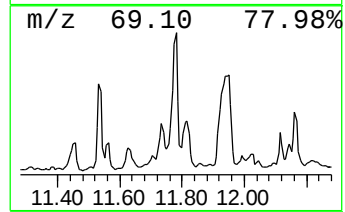
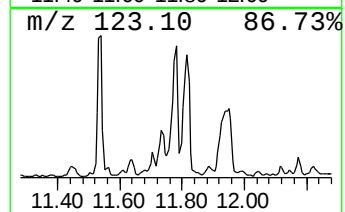
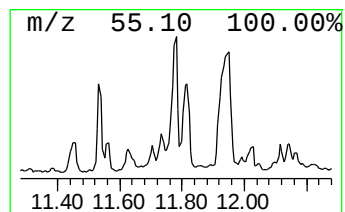
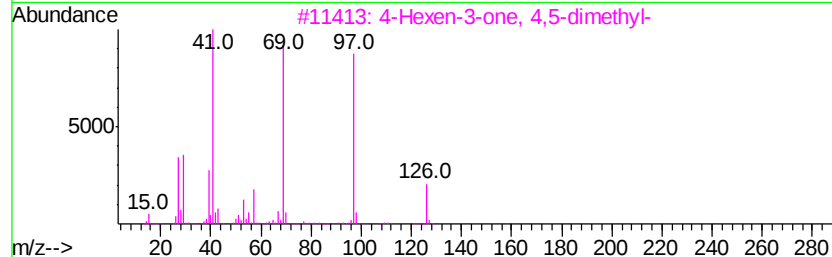
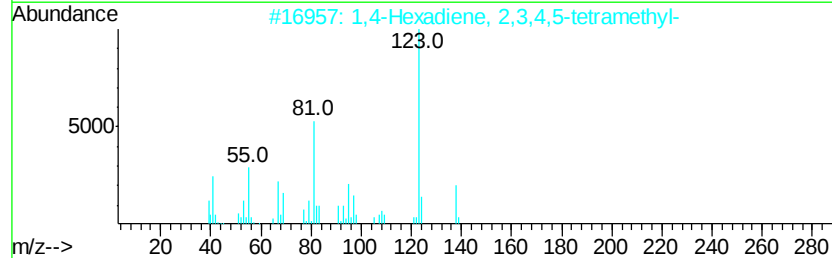
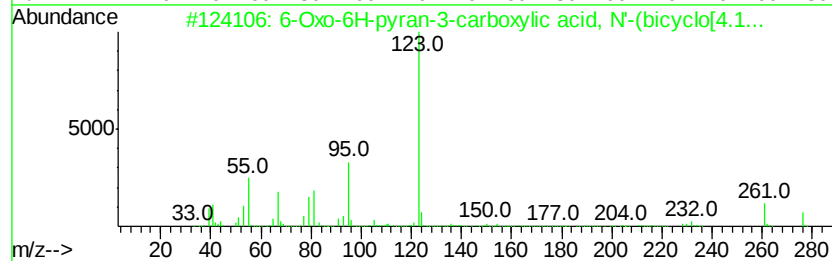
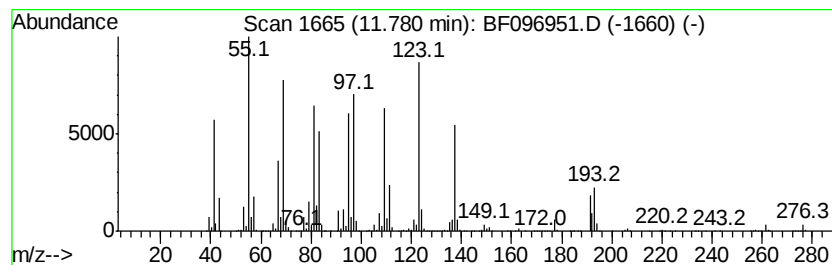
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 unknown11.78 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	103.42 ng	3423400	Phenanthrene-d10	11.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6-Oxo-6H-pyran-3-carboxylic acid...	276	C14H16N2O4	1000303-07-3	18
2		1,4-Hexadiene, 2,3,4,5-tetramethyl-	138	C10H18	051504-54-2	15
3		4-Hexen-3-one, 4,5-dimethyl-	126	C8H14O	017325-90-5	14
4		Phorone	138	C9H14O	000504-20-1	14
5		4-Hepten-3-one, 4-methyl-	126	C8H14O	022319-31-9	14



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072117\
Data File : BF096951.D
Acq On : 21 Jul 2017 18:34
Operator : SJ/JU
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Misc :
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ClientSampleId :
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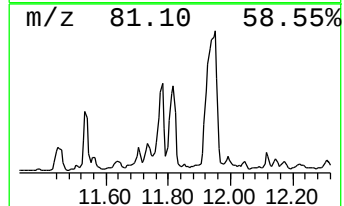
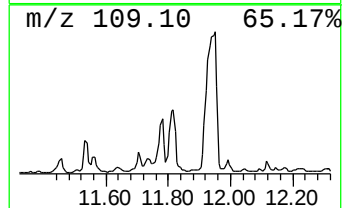
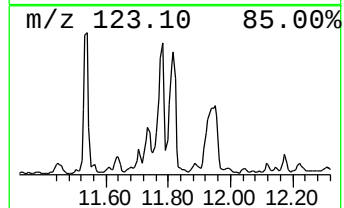
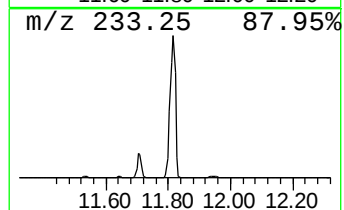
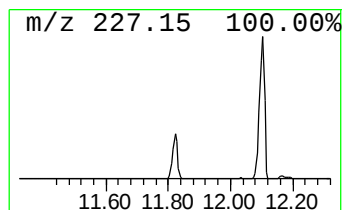
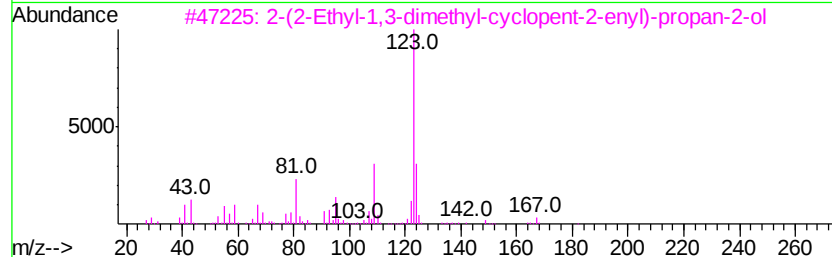
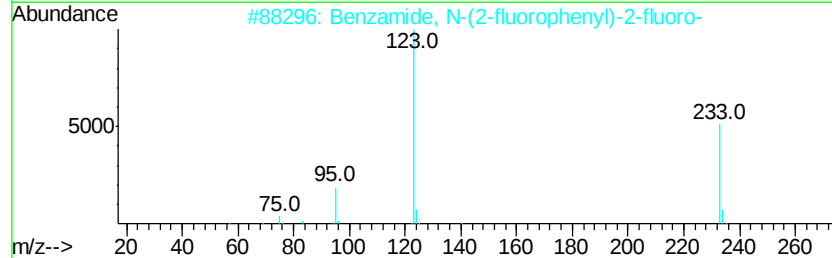
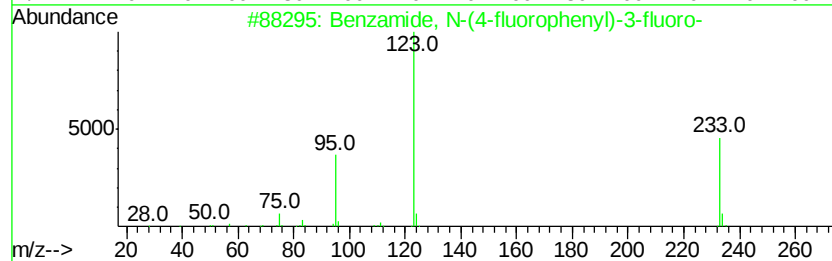
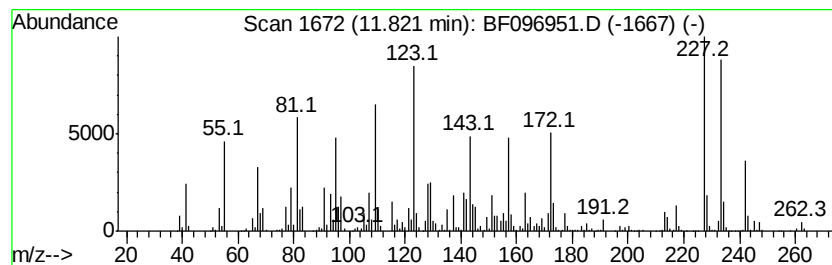
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown11.82 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	138.92 ng	4598570	Phenanthrene-d10	11.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzamide, N-(4-fluorophenyl)-3-...	233	C13H9F2NO	1000307-16-3	35
2		Benzamide, N-(2-fluorophenyl)-2-...	233	C13H9F2NO	1000308-09-1	35
3		2-(2-Ethyl-1,3-dimethyl-cyclopent...	182	C12H22O	1000186-82-4	27
4		cis-Chrysanthemyl alcohol	154	C10H18O	018383-59-0	25
5		4-Triethylsilylbut-1-en-3-yne	166	C10H18Si	001693-70-5	22



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
Data File : BF096951.D
Acq On : 21 Jul 2017 18:34
Operator : SJ/JU
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Misc :
ALS Vial : 16 Sample Multiplier: 1

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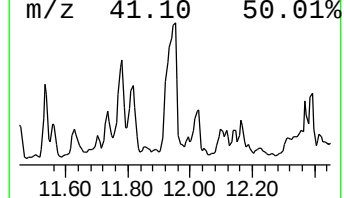
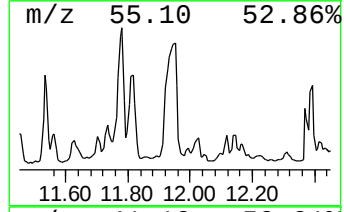
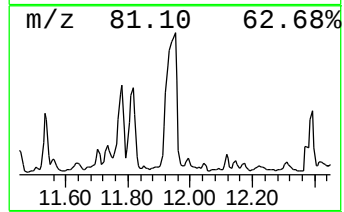
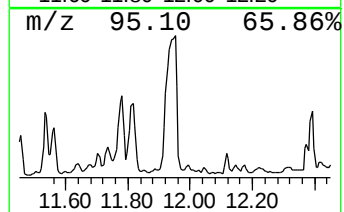
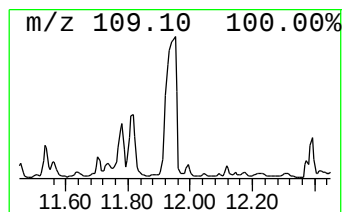
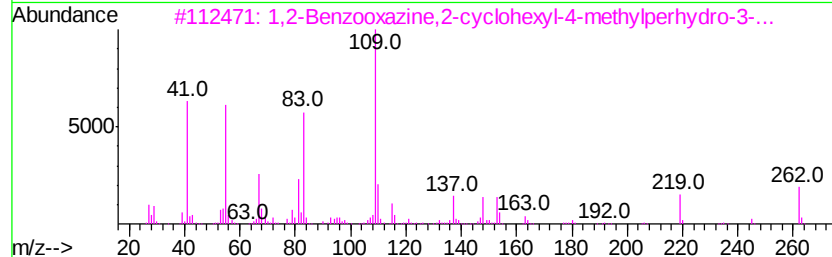
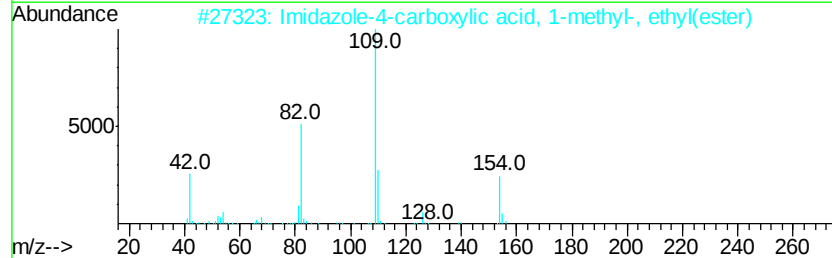
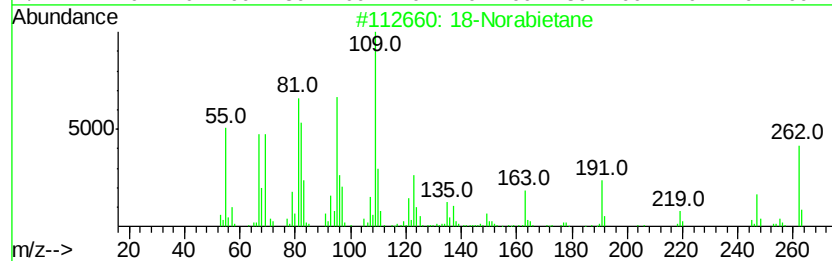
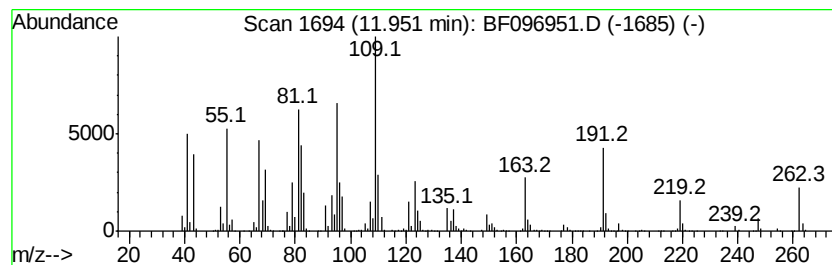
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 18-Norabietane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	334.69 ng	11079200	Phenanthrene-d10	11.06

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	18-Norabietane		262	C19H34	1000293-16-6	94
2	Imidazole-4-carboxylic acid, 1-m...		154	C7H10N2O2	041507-56-6	35
3	1,2-Benzooxazine,2-cyclohexyl-4-...		262	C16H26N2O	037898-39-8	30
4	Cyclohexene, 4-(4-ethylcyclohexy...		262	C19H34	301643-32-3	27
5	1-(1-Butyny)cyclopentanol		138	C9H14O	1000342-86-5	27



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
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Operator : SJ/JU
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Misc :
ALS Vial : 16 Sample Multiplier: 1

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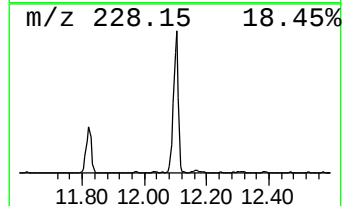
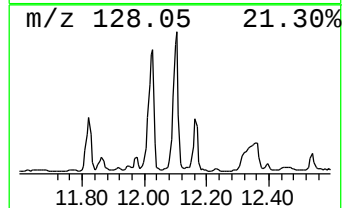
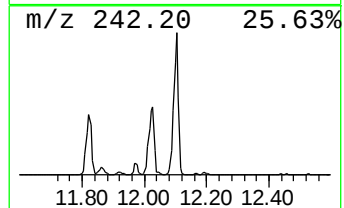
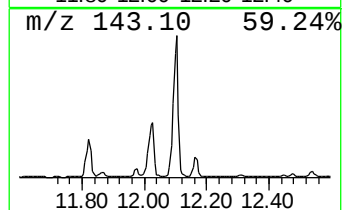
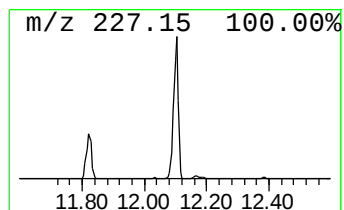
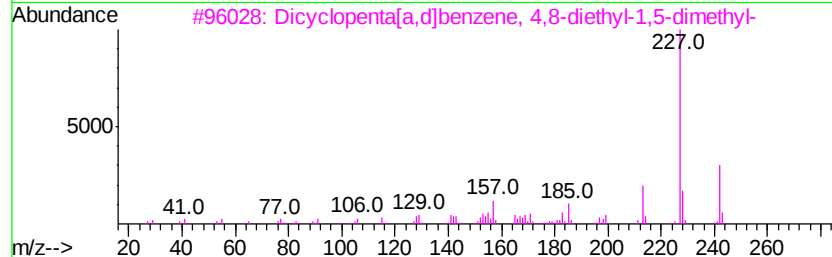
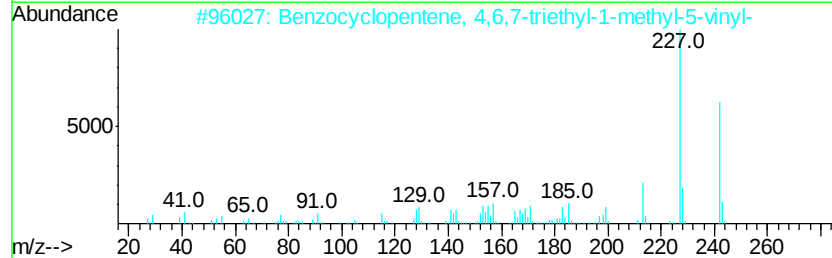
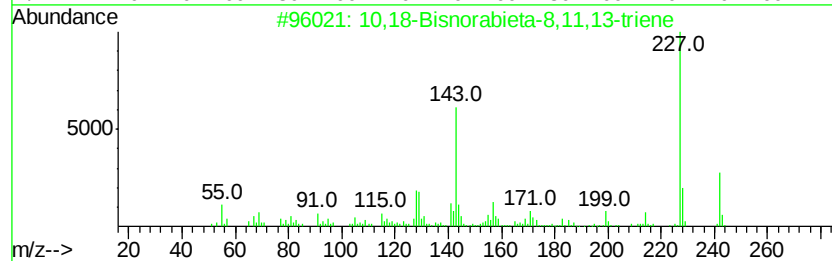
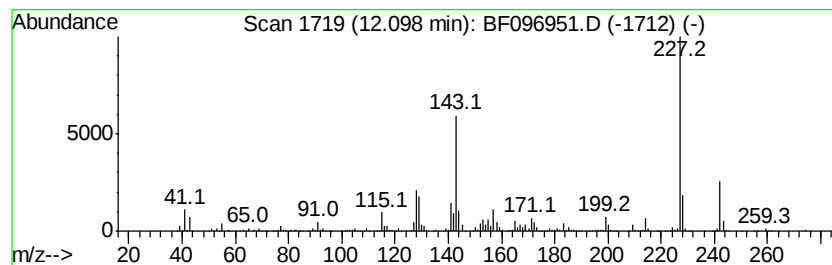
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 10,18-Bisnorabieta-8,11,13-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	111.60 ng	3694360	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-8,11,13-triene	242	C18H26	032624-67-2	94
2	Benzocyclopentene, 4,6,7-triethy...	242	C18H26	1000156-41-5	55
3	Dicvclopentafa,d]benzene, 4,8-di...	242	C18H26	1000156-41-6	49
4	s-Indacene-1,7-dione, 2,3,5,6-te...	242	C16H18O2	055591-17-8	49
5	Lapachol	242	C15H14O3	000084-79-7	46



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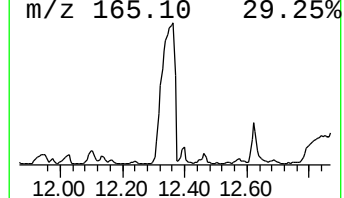
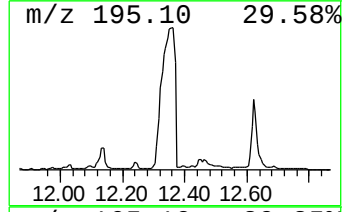
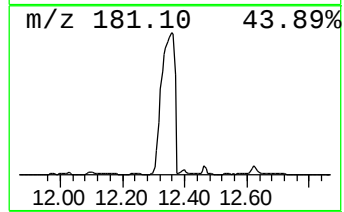
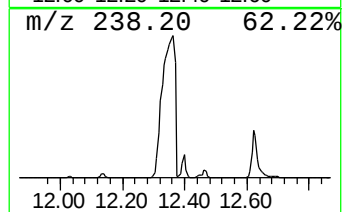
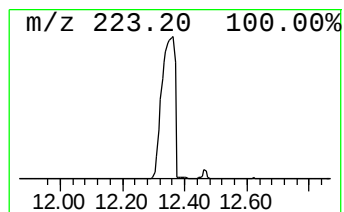
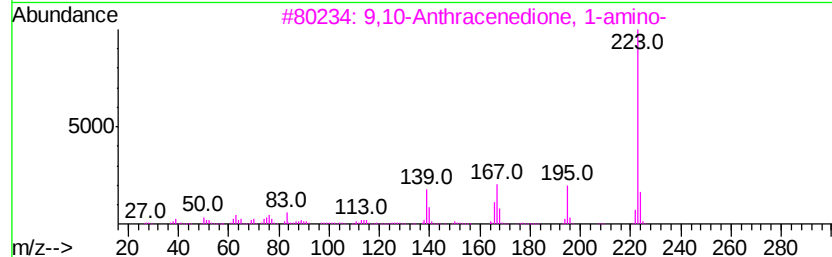
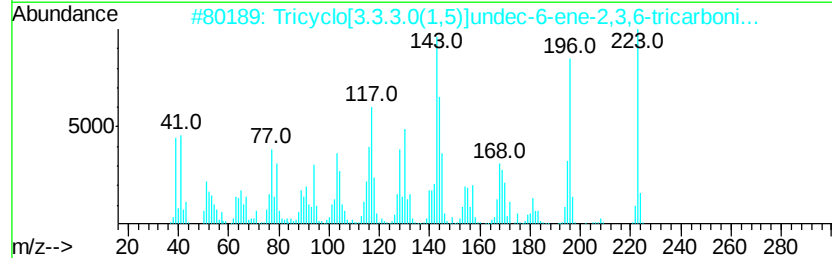
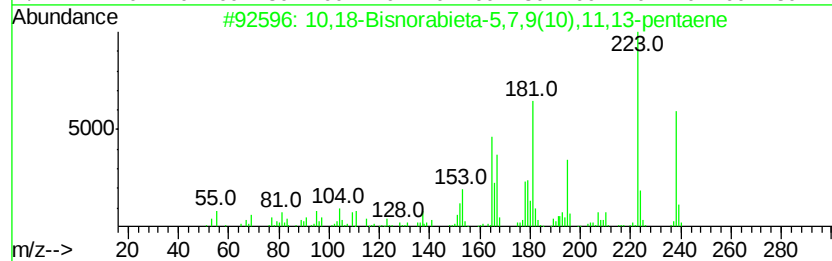
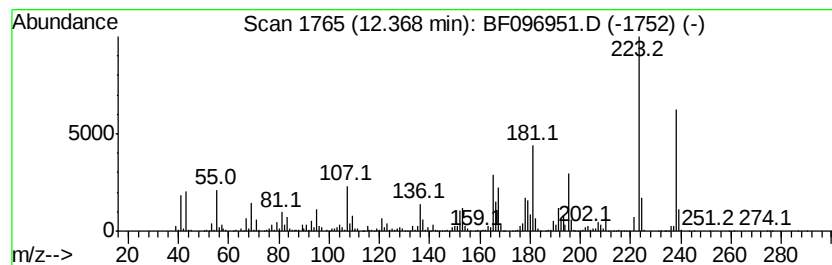
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.37	400.31 ng	13251400	Phenanthrene-d10		11.06	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22		006566-19-4	99
2	Tricyclo[3.3.3.0(1,5)]undec-6-en...	223	C14H13N3		118894-71-6	86
3	9,10-Anthracenedione, 1-amino-	223	C14H9N02		000082-45-1	50
4	4,4'-Diisopropylbiphenyl	238	C18H22		018970-30-4	46
5	3,3'-Diacetylbiphenyl	238	C16H14O2		094113-07-2	43



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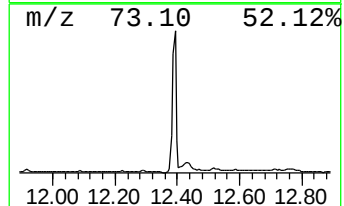
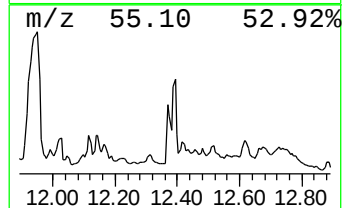
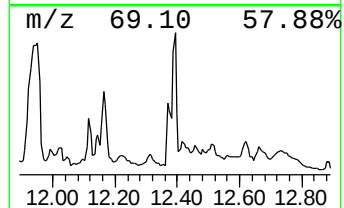
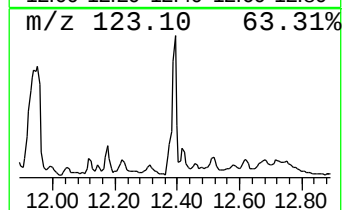
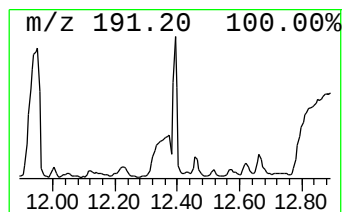
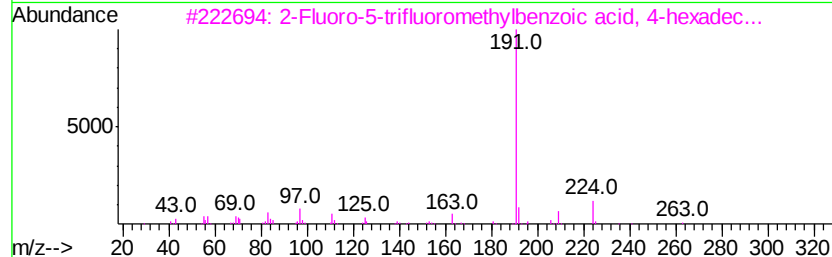
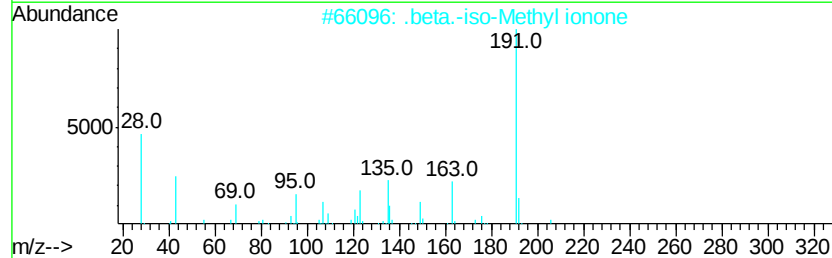
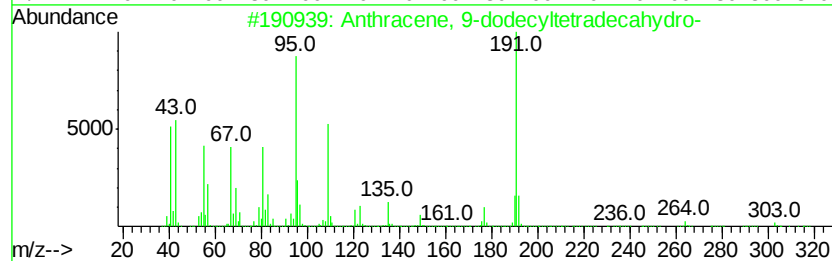
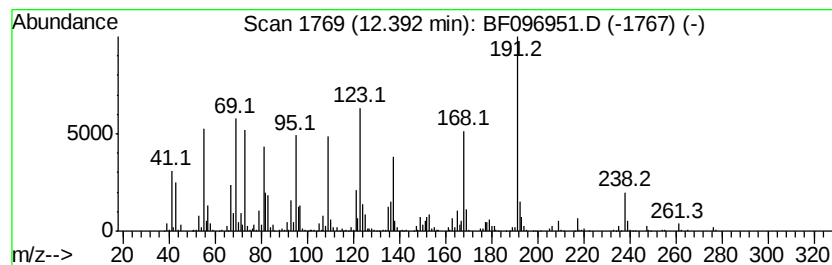
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown12.39 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	132.76 ng	2342230	Chrysene-d12	13.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-dodecyltetradeca...	360	C26H48	055401-75-7	35
2		.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	27
3		2-Fluoro-5-trifluoromethylbenzoi...	432	C24H36F4O2	1000338-63-7	14
4		2-Fluoro-3-trifluoromethylbenzoi...	418	C23H34F4O2	1000338-52-5	14
5		Carbonic acid, monoamide, N-meth...	191	C11H13NO2	1000340-18-1	14



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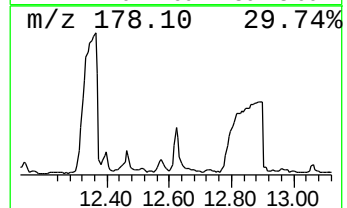
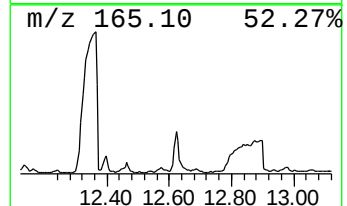
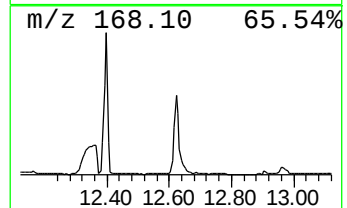
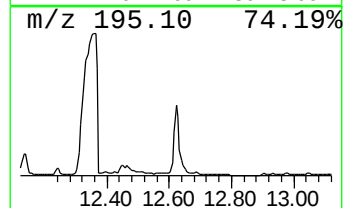
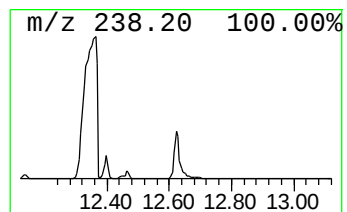
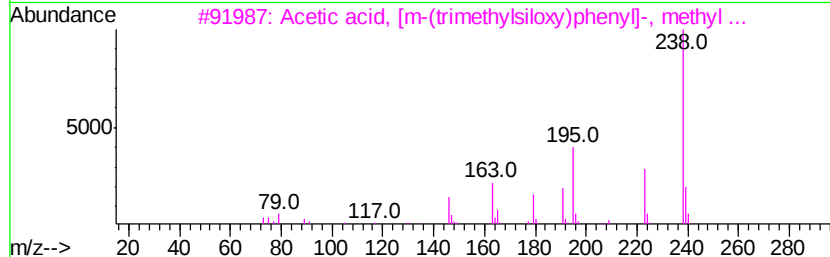
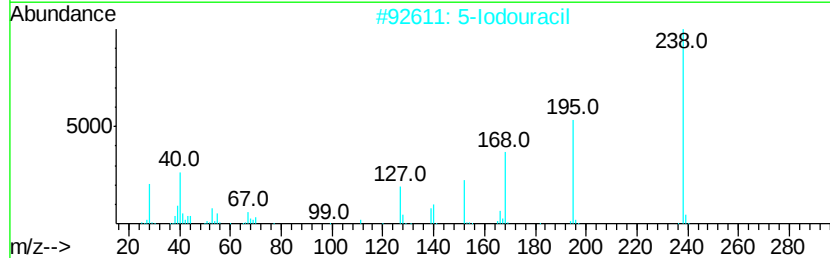
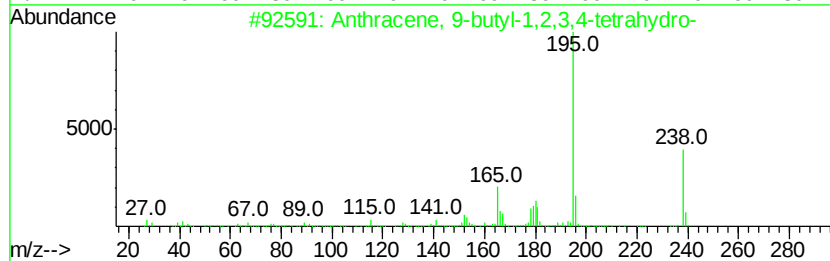
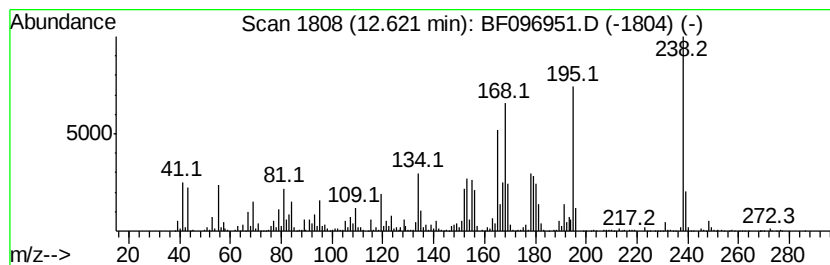
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Anthracene, 9-butyl-1,2,3,4... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	95.33 ng	1681790	Chrysene-d12	13.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-butyl-1,2,3,4-tetr...	238	C18H22	1000151-39-2	64
2		5-Iodouracil	238	C4H3IN2O2	000696-07-1	46
3		Acetic acid, [m-(trimethylsiloxy)phenyl]...	238	C12H18O3Si	027798-61-4	27
4		Fluorenone oxime	195	C13H9NO	002157-52-0	27
5		syn-Tricyclo[8.4.1.1(4,9)]hexade...	238	C16H14O2	1000158-32-8	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072117\
Data File : BF096951.D
Acq On : 21 Jul 2017 18:34
Operator : SJ/JU
Sample : I4302-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-7D1213

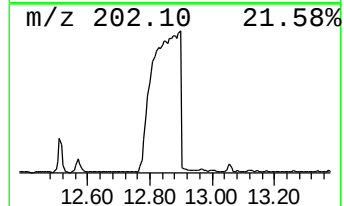
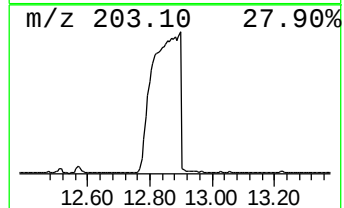
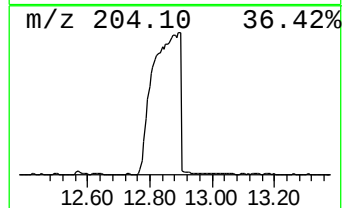
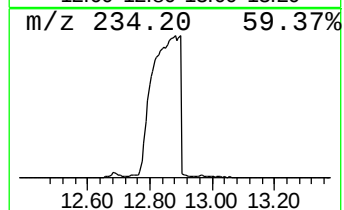
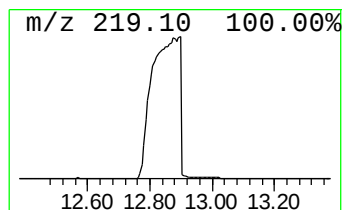
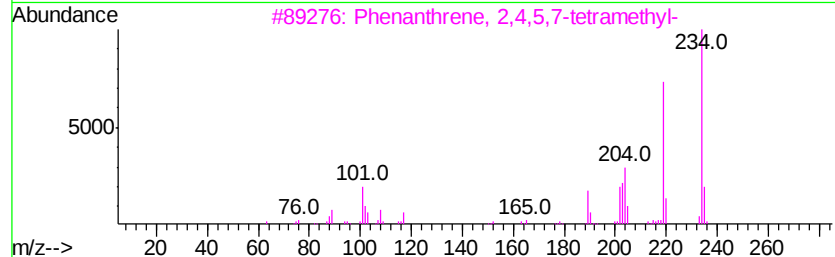
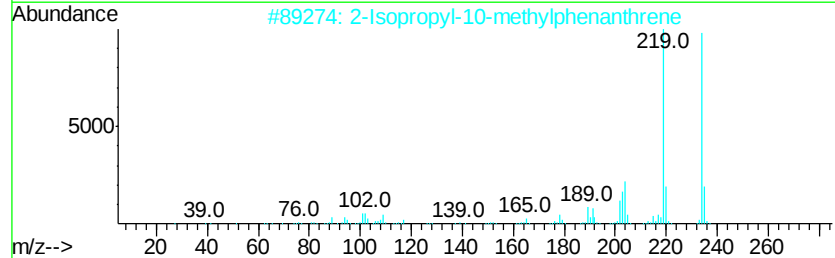
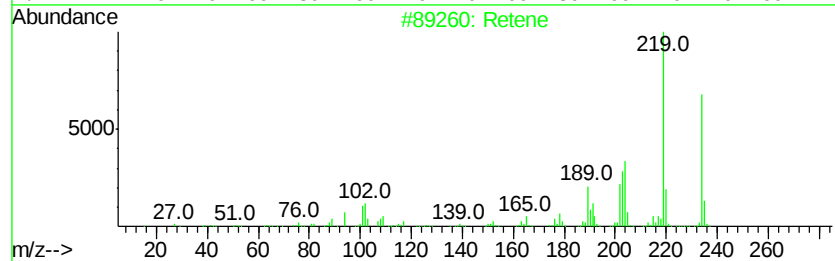
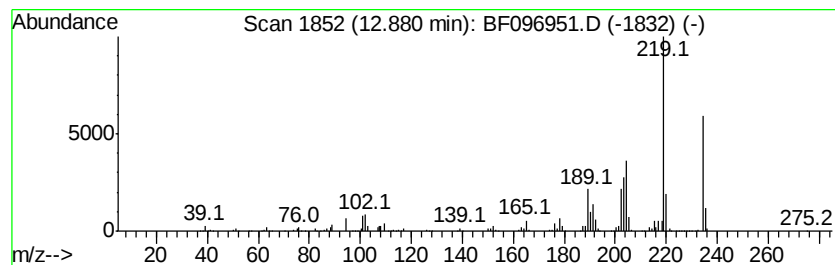
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Retene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.88	1209.05 ng	21330400	Chrysene-d12	13.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Retene	234	C18H18	000483-65-8	99
2		2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	95
3		Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	76
4		2,5-Diphenyl-2,4-hexadiene	234	C18H18	016819-47-9	68
5		1-(10-Methylantracen-9-yl)ethanone	234	C17H14O	036778-18-4	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
Data File : BF096951.D
Acq On : 21 Jul 2017 18:34
Operator : SJ/JU
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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-7D1213

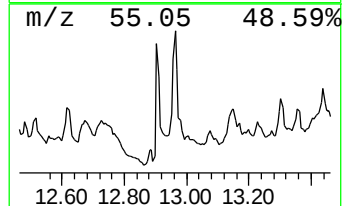
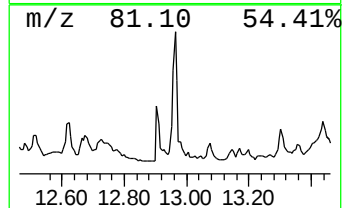
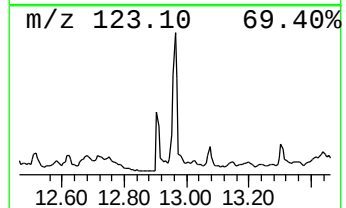
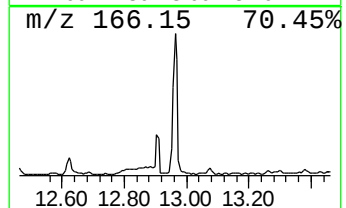
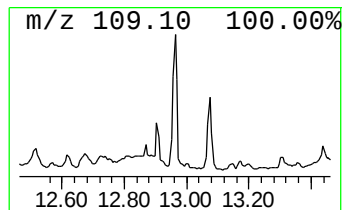
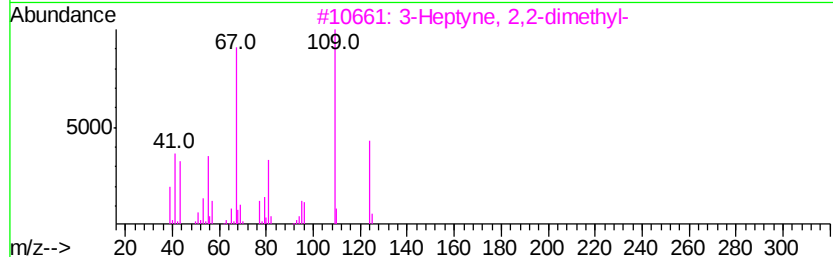
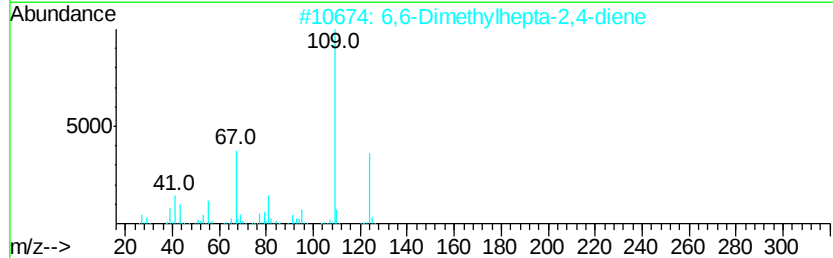
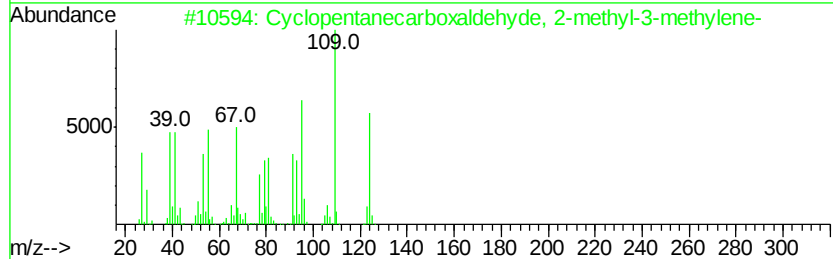
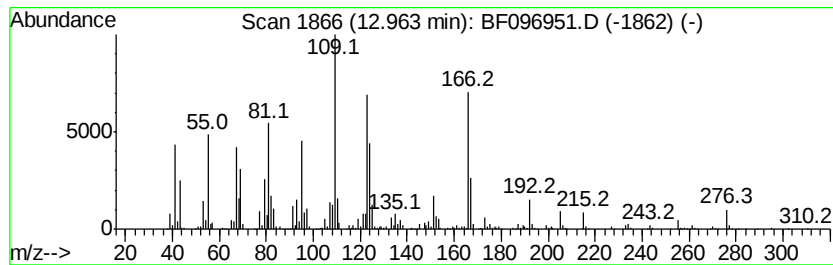
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown12.96 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	176.81 ng	3119300	Chrysene-d12	13.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentanecarboxaldehyde, 2-me...	124	C8H12O	1000154-24-0	47
2		6,6-Dimethylhepta-2,4-diene	124	C9H16	1000195-03-3	43
3		3-Heptyne, 2,2-dimethyl-	124	C9H16	029022-29-5	38
4		Diethylphenylphosphine	166	C10H15P	001605-53-4	30
5		Cyclohexene, 4-pentyl-1-(4-propy...	276	C20H36	108067-17-0	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
Data File : BF096951.D
Acq On : 21 Jul 2017 18:34
Operator : SJ/JU
Sample : I4302-04
Misc :
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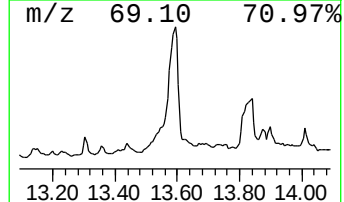
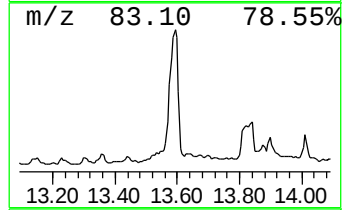
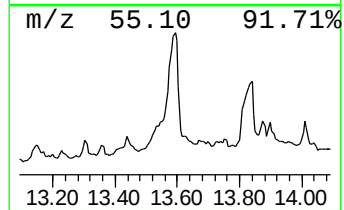
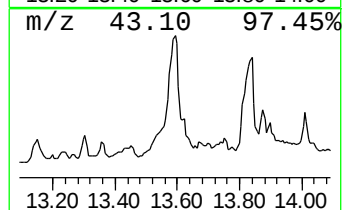
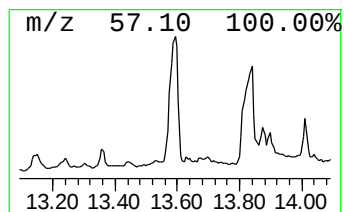
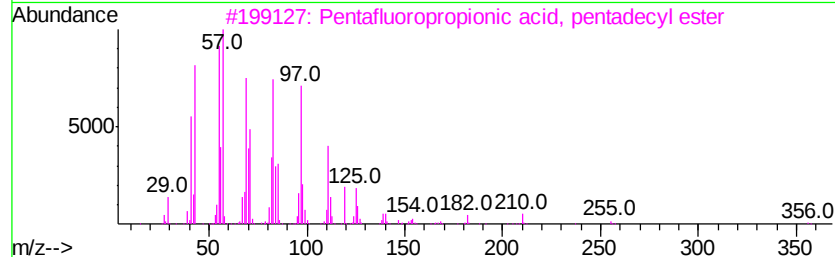
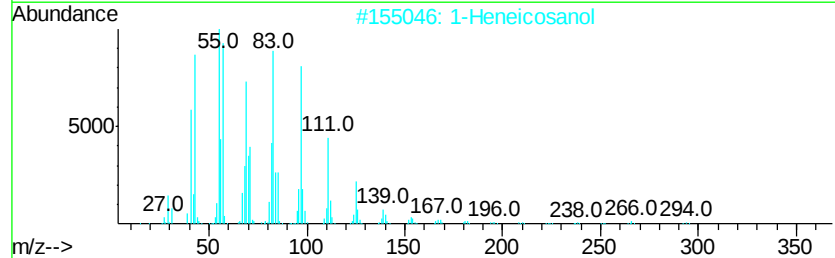
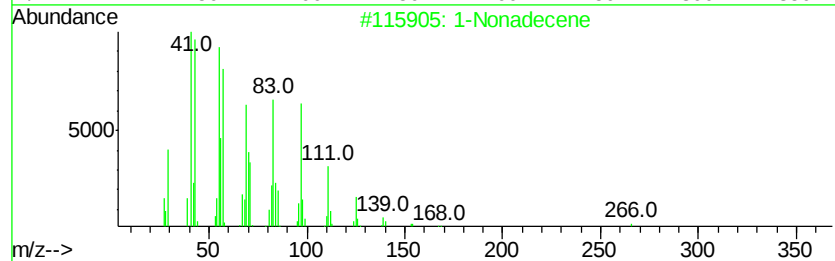
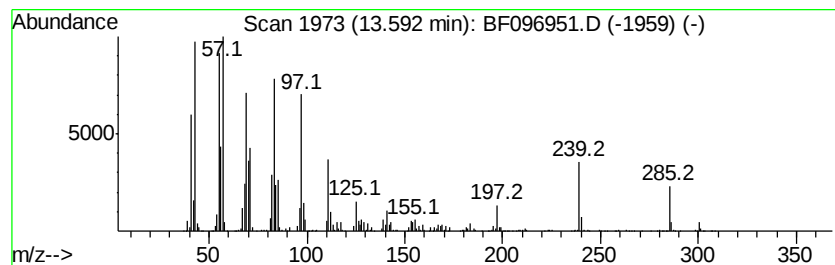
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 1-Nonadecene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.59	578.56 ng	10207100	Chrysene-d12	13.71
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1-Nonadecene	266 C19H38	018435-45-5	99
2	1-Heneicosanol	312 C21H44O	015594-90-8	93
3	Pentafluoropropionic acid, penta...	374 C18H31F5O2	959092-08-1	91
4	Trichloroacetic acid, hexadecyl ...	386 C18H33Cl3O2	074339-54-1	91
5	Trichloroacetic acid, pentadecyl...	372 C17H31Cl3O2	074339-53-0	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
Data File : BF096951.D
Acq On : 21 Jul 2017 18:34
Operator : SJ/JU
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Misc :
ALS Vial : 16 Sample Multiplier: 1

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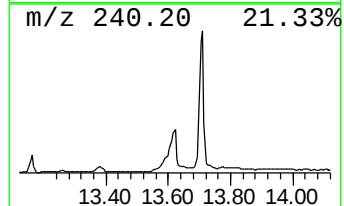
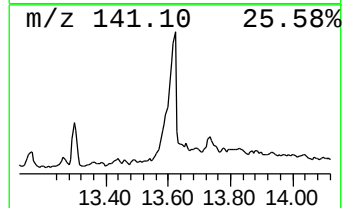
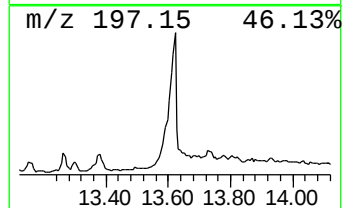
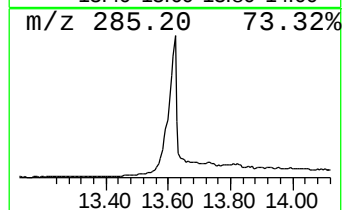
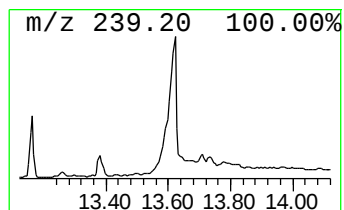
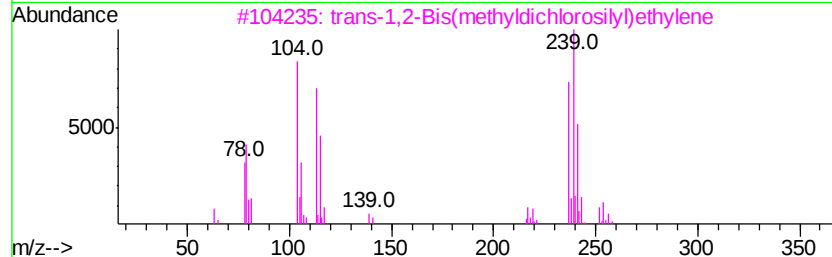
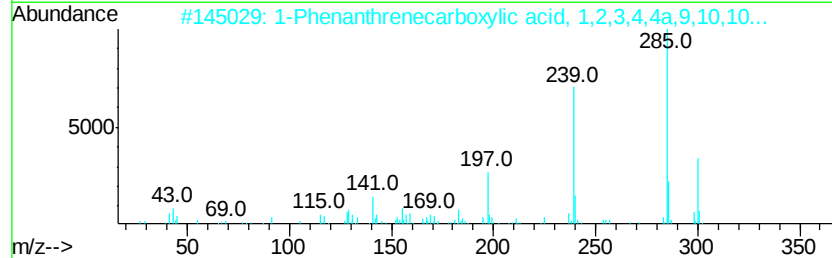
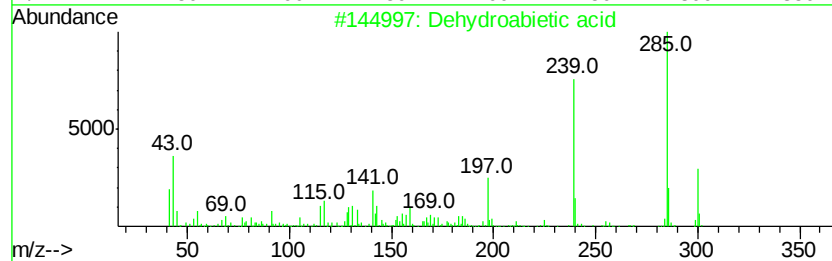
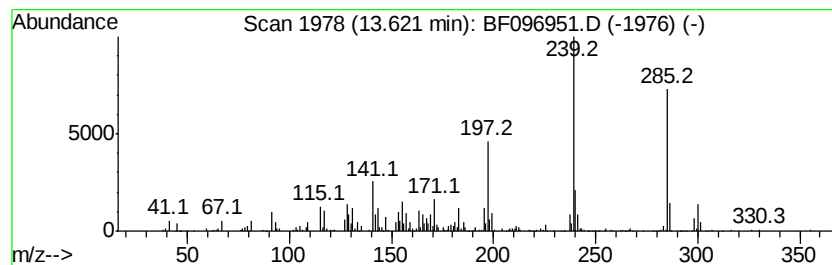
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Dehydroabiatic acid Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	108.24 ng	1909580	Chrysene-d12	13.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dehydroabiatic acid	300	C20H28O2	001740-19-8	94
2		1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	005155-70-4	94
3		trans-1,2-Bis(methyldichlorosilyl)...	252	C4H8Cl4Si2	065899-10-7	92
4		Kaura-9(11),16-dien-18-oic acid,...	300	C20H28O2	022338-67-6	80
5		Butanoic acid, 2-(cyano)(2,4,6-t...	300	C17H20N2O3	1000267-71-7	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072117\
Data File : BF096951.D
Acq On : 21 Jul 2017 18:34
Operator : SJ/JU
Sample : I4302-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-7D1213

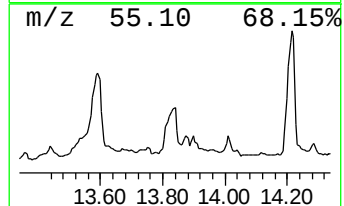
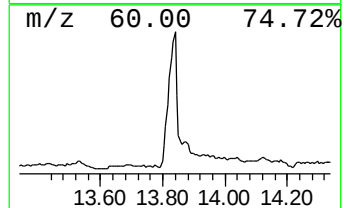
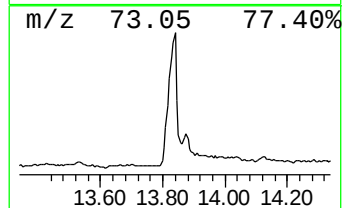
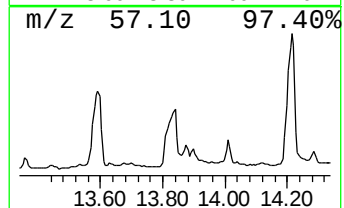
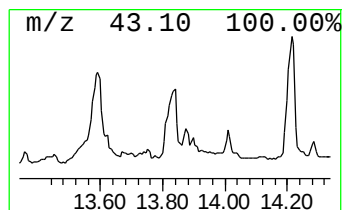
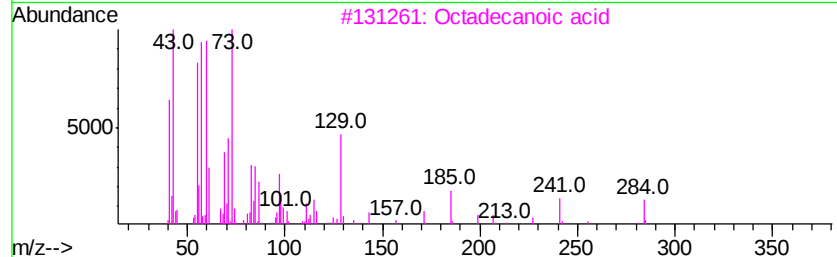
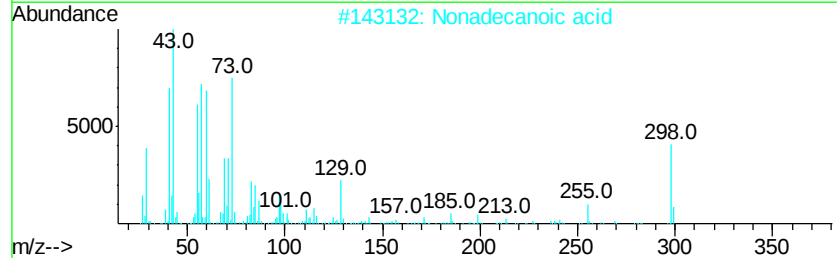
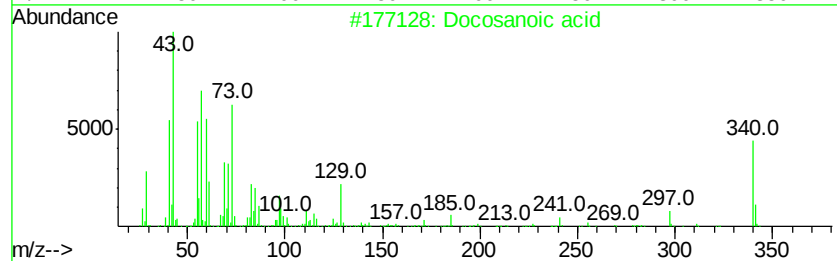
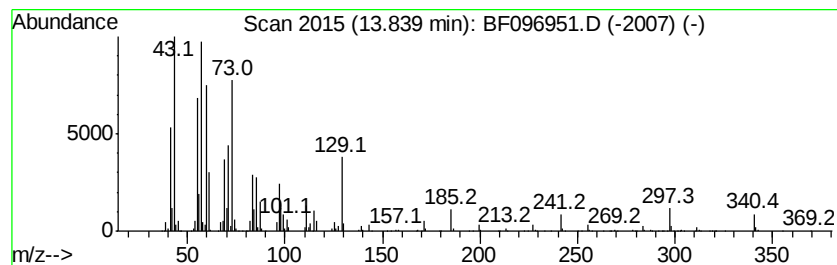
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Docosanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	223.72 ng	3946930	Chrysene-d12	13.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Docosanoic acid	340	C22H44O2	000112-85-6	97
2		Nonadecanoic acid	298	C19H38O2	000646-30-0	95
3		Octadecanoic acid	284	C18H36O2	000057-11-4	94
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	81
5		Pentadecanoic acid	242	C15H30O2	001002-84-2	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072117\
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Acq On : 21 Jul 2017 18:34
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SB-7D1213

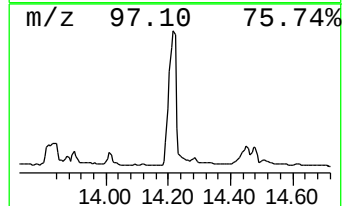
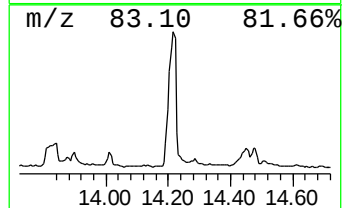
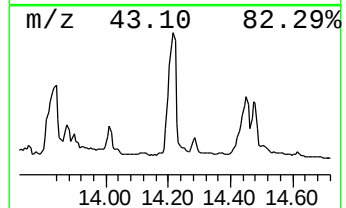
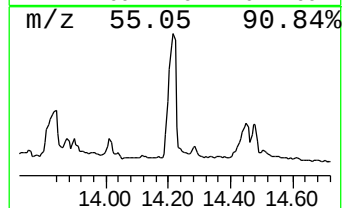
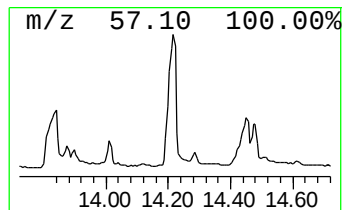
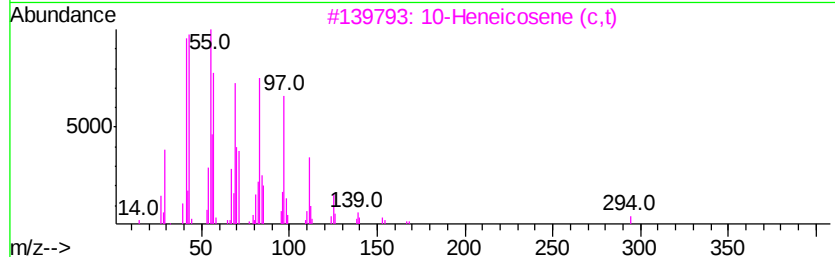
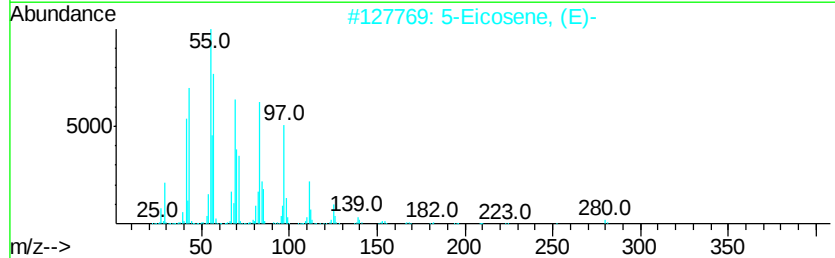
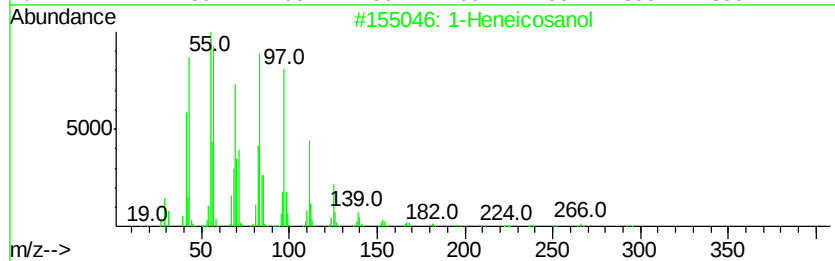
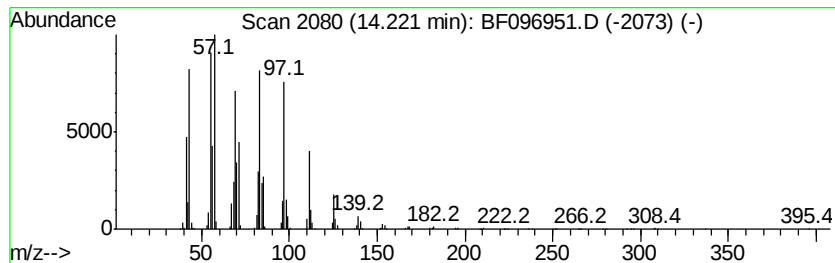
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 1-Heneicosanol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.22	349.02 ng	6157560	Chrysene-d12	13.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Heneicosanol	312	C21H44O	015594-90-8	94
2		5-Eicosene, (E)-	280	C20H40	074685-30-6	91
3		10-Heneicosene (c,t)	294	C21H42	095008-11-0	91
4		1-Docosene	308	C22H44	001599-67-3	91
5		Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072117\
Data File : BF096951.D
Acq On : 21 Jul 2017 18:34
Operator : SJ/JU
Sample : I4302-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-7D1213

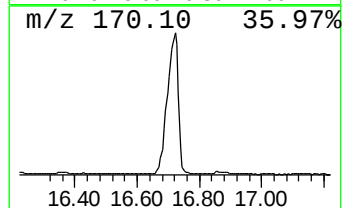
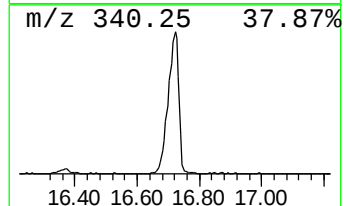
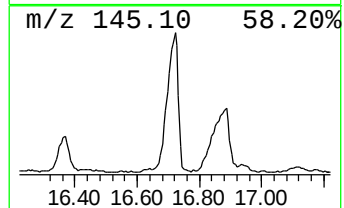
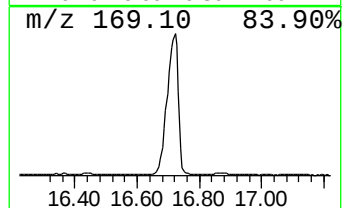
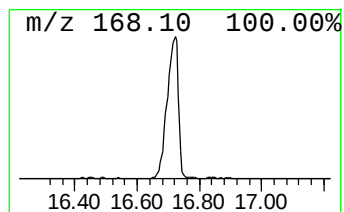
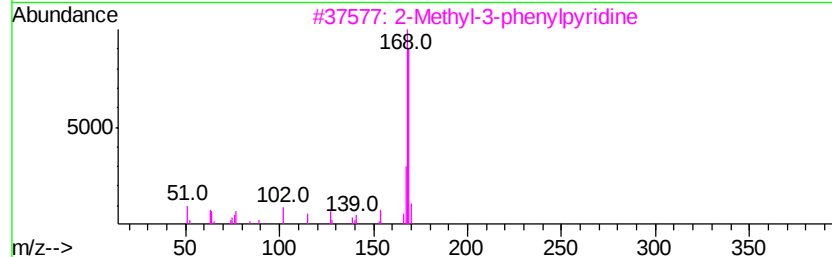
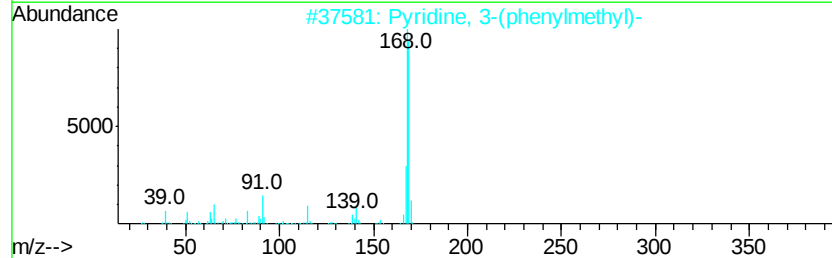
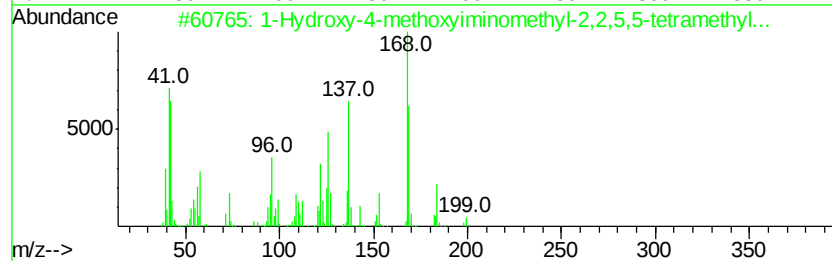
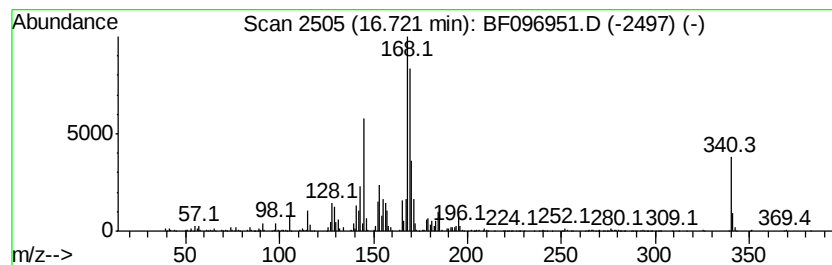
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 1-Hydroxy-4-methoxyiminomet... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	89.96 ng	3846850	Perylene-d12	15.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Hydroxy-4-methoxyiminomethyl-2...	199	C9H17N3O2	344411-55-8	50
2		Pyridine, 3-(phenylmethyl)-	169	C12H11N	000620-95-1	46
3		2-Methyl-3-phenylpyridine	169	C12H11N	003256-89-1	43
4		3-[(1S,2S)-2-(2-Hydroxyethyl)-1,...	272	C16H32O3	1000111-77-7	22
5		3-Methyl-5-phenylpyridine	169	C12H11N	010477-94-8	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072117\
Data File : BF096951.D
Acq On : 21 Jul 2017 18:34
Operator : SJ/JU
Sample : I4302-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-7D1213

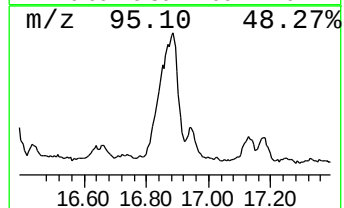
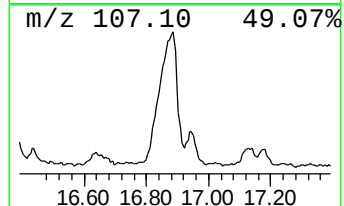
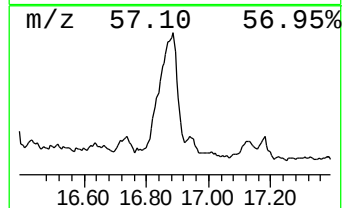
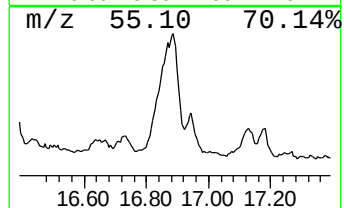
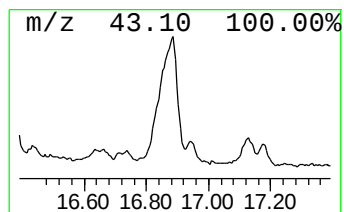
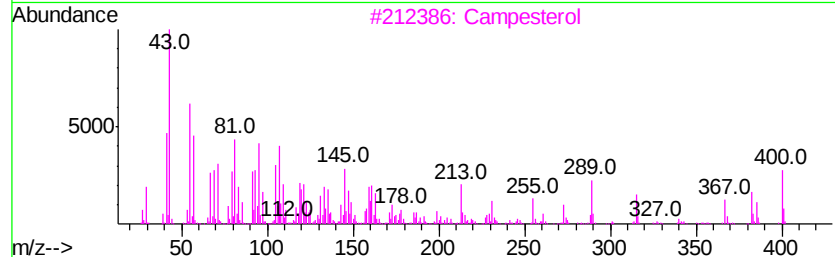
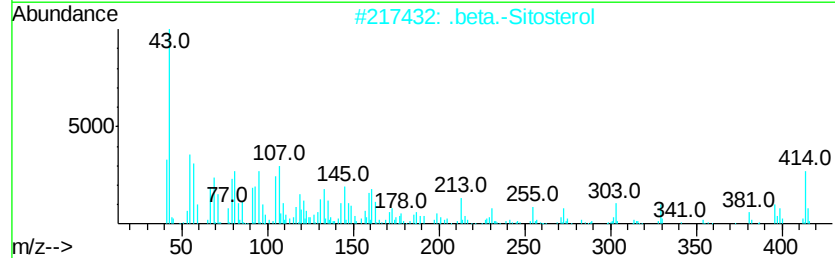
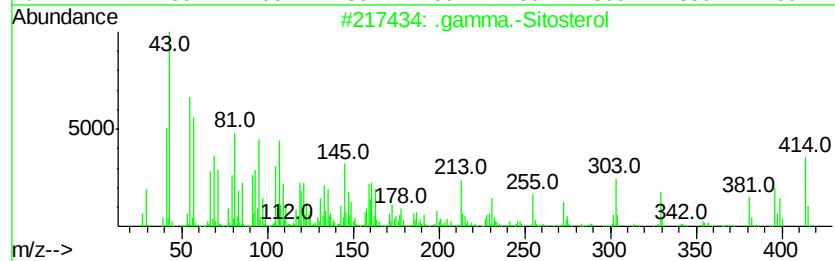
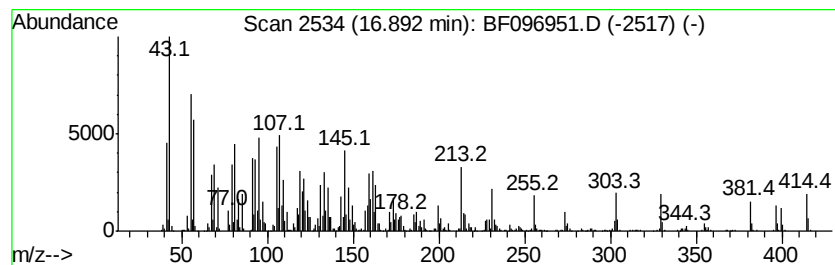
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 .gamma.-Sitosterol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	208.69 ng	8924350	Perylene-d12	15.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
2		.beta.-Sitosterol	414	C29H50O	000083-46-5	53
3		Campesterol	400	C28H48O	000474-62-4	40
4		Methyl 12-acetyl-7-desoxycholate	448	C27H44O5	055547-48-3	37
5		Ergost-5-en-3-ol, (3.beta.)-	400	C28H48O	004651-51-8	37



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072117\
Data File : BF096951.D
Acq On : 21 Jul 2017 18:34
Operator : SJ/JU
Sample : I4302-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-7D1213

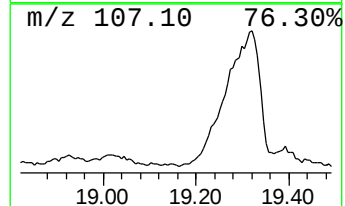
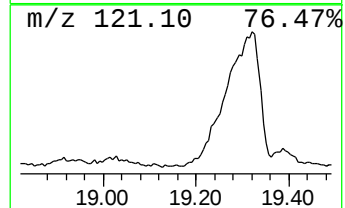
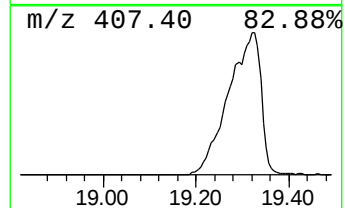
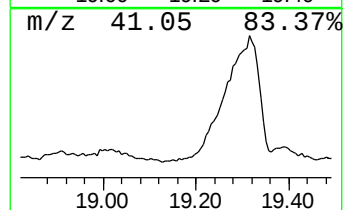
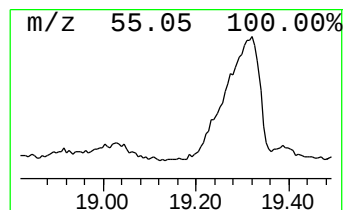
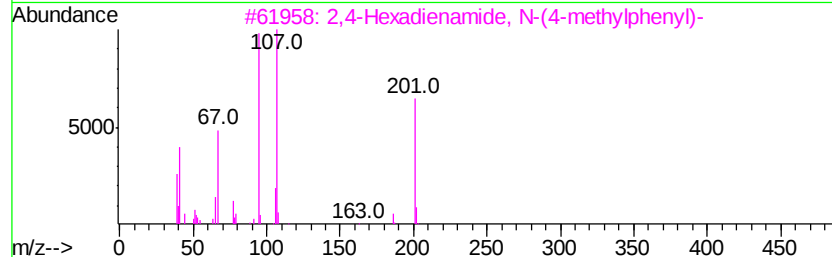
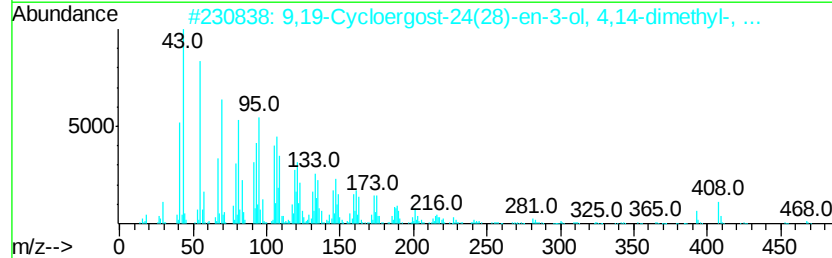
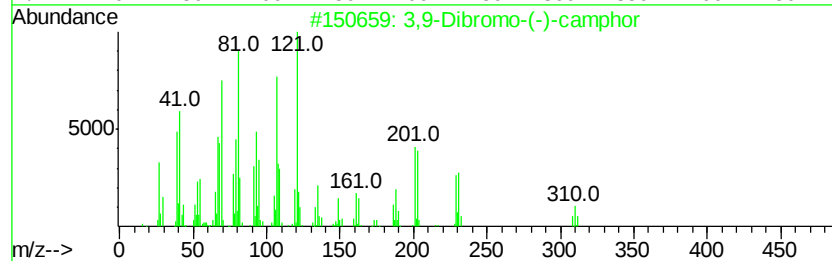
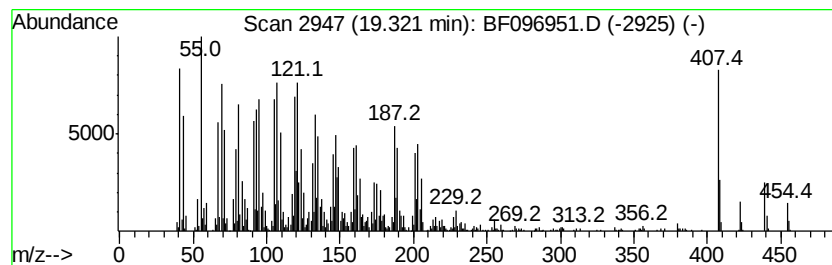
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown19.32 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.32	165.20 ng	7064700	Perylene-d12	15.07

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,9-Dibromo-(-)-camphor			308	C10H14Br2O	064474-55-1	23
2	9,19-Cycloergost-24(28)-en-3-ol,...			468	C32H52O2	010376-42-8	11
3	2,4-Hexadienamide, N-(4-methylph...			201	C13H15NO	1000362-68-5	10
4	1,1,6-trimethyl-3-methylene-2-(3...			452	C33H56	1000373-94-5	10
5	3-(4-O-Tolyl-piperazin-1-yl)-N-(...			407	C21H24F3N3O2	1000301-41-5	10



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072117\
 Data File : BF096951.D
 Acq On : 21 Jul 2017 18:34
 Operator : SJ/JU
 Sample : I4302-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-7D1213

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
Benzene, 1-methyl...	6.65	110.1	ng	4047260	1	6.55	735035	20.0
Longifolene	9.23	75.3	ng	4408630	3	9.58	1171660	20.0
unknown9.47	9.47	76.2	ng	4464040	3	9.58	1171660	20.0
unknown11.78	11.78	103.4	ng	3423400	4	11.06	662056	20.0
unknown11.82	11.82	138.9	ng	4598570	4	11.06	662056	20.0
18-Norabietane	11.95	334.7	ng	11079200	4	11.06	662056	20.0
4b,8-Dimethyl-2-i...	12.03	115.0	ng	3807010	4	11.06	662056	20.0
10,18-Bisnorabiet...	12.10	111.6	ng	3694360	4	11.06	662056	20.0
10,18-Bisnorabiet...	12.37	400.3	ng	13251400	4	11.06	662056	20.0
unknown12.39	12.39	132.8	ng	2342230	5	13.71	352847	20.0
Anthracene, 9-but...	12.62	95.3	ng	1681790	5	13.71	352847	20.0
Retene	12.88	1209.1	ng	21330400	5	13.71	352847	20.0
unknown12.96	12.96	176.8	ng	3119300	5	13.71	352847	20.0
1-Nonadecene	13.59	578.6	ng	10207100	5	13.71	352847	20.0
Dehydroabietic acid	13.62	108.2	ng	1909580	5	13.71	352847	20.0
Docosanoic acid	13.84	223.7	ng	3946930	5	13.71	352847	20.0
1-Heneicosanol	14.22	349.0	ng	6157560	5	13.71	352847	20.0
1-Hydroxy-4-metho...	16.72	90.0	ng	3846850	6	15.07	855274	20.0
.gamma.-Sitosterol	16.89	208.7	ng	8924350	6	15.07	855274	20.0
unknown19.32	19.32	165.2	ng	7064700	6	15.07	855274	20.0