

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091817\
 Data File : BF098630.D
 Acq On : 19 Sep 2017 5:01
 Operator : SJ/JU
 Sample : I5265-15 5X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-27D02

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-BF091117.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.193	524	528	533	rVB2	146705	221500	2.41%	0.151%
2	5.240	533	536	541	rBV	382446	433029	4.71%	0.294%
3	5.628	596	602	606	rVB2	241168	397570	4.32%	0.270%
4	5.687	606	612	614	rBV2	160428	261102	2.84%	0.178%
5	5.769	620	626	631	rVB2	407073	442927	4.81%	0.301%
6	5.822	631	635	640	rBV4	177368	332900	3.62%	0.226%
7	5.869	640	643	649	rVB	907642	1007991	10.95%	0.685%
8	5.928	649	653	655	rBV	364602	396237	4.31%	0.269%
9	6.063	670	676	679	rBV2	718864	993262	10.79%	0.675%
10	6.151	689	691	694	rVV2	615373	674379	7.33%	0.459%
11	6.181	694	696	701	rVB	466949	525081	5.71%	0.357%
12	6.234	701	705	707	rBV3	200424	329059	3.58%	0.224%
13	6.292	710	715	718	rBV3	494067	780052	8.48%	0.530%
14	6.322	718	720	724	rVB3	269048	312279	3.39%	0.212%
15	6.369	724	728	732	rBV3	883867	1340050	14.56%	0.911%
16	6.410	732	735	740	rVB	902645	1056431	11.48%	0.718%
17	6.457	740	743	744	rBV	445073	381292	4.14%	0.259%
18	6.475	744	746	747	rVV	370671	332372	3.61%	0.226%
19	6.575	755	763	765	rBV3	422587	791261	8.60%	0.538%
20	6.598	765	767	769	rVV3	284740	302037	3.28%	0.205%
21	6.634	769	773	775	rVV2	814961	929816	10.10%	0.632%
22	6.651	775	776	779	rVB	836253	630861	6.85%	0.429%
23	6.692	779	783	787	rBV3	941640	1239040	13.46%	0.842%
24	6.728	787	789	791	rBV3	291411	258473	2.81%	0.176%
25	6.757	791	794	796	rBV	975265	899225	9.77%	0.611%
26	6.787	796	799	803	rVV2	2065728	2340557	25.43%	1.591%
27	6.816	803	804	807	rVB	819503	574615	6.24%	0.391%
28	6.851	807	810	811	rBV	488307	550680	5.98%	0.374%
29	6.875	811	814	815	rVV3	477377	482865	5.25%	0.328%
30	6.904	815	819	824	rVB4	816256	1485859	16.14%	1.010%
31	6.957	824	828	830	rBV3	409380	454126	4.93%	0.309%
32	6.987	830	833	837	rBV2	579804	703626	7.65%	0.478%
33	7.028	837	840	842	rBV2	1587115	1407724	15.30%	0.957%
34	7.057	842	845	848	rVB2	285004	294119	3.20%	0.200%

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35	7.116	853	855	858	rBV2	279306	240694	2.62%	0.164%
36	7.181	858	866	868	rBV2	2855050	3883008	42.19%	2.640%
37	7.222	868	873	875	rBV3	1332844	1271784	13.82%	0.865%
38	7.245	875	877	879	rVB2	569665	396431	4.31%	0.270%
39	7.287	879	884	888	rVB4	1505950	2771953	30.12%	1.885%
40	7.334	888	892	894	rBV2	970524	1289627	14.01%	0.877%
41	7.398	900	903	904	rBV2	414224	480515	5.22%	0.327%
42	7.416	904	906	908	rVV	1212410	1091765	11.86%	0.742%
43	7.445	908	911	915	rVB2	2714406	2886243	31.36%	1.962%
44	7.481	915	917	919	rBV2	412326	380011	4.13%	0.258%
45	7.545	923	928	930	rBV2	2666878	4072123	44.25%	2.769%
46	7.598	935	937	938	rBV	379437	263555	2.86%	0.179%
47	7.634	941	943	946	rVB2	338236	293541	3.19%	0.200%
48	7.669	946	949	951	rBV3	727788	845295	9.18%	0.575%
49	7.751	958	963	967	rBV	1634740	2146803	23.33%	1.460%
50	7.798	967	971	975	rVV2	1379406	2148242	23.34%	1.461%
51	7.834	975	977	979	rVB2	866994	669382	7.27%	0.455%
52	7.869	979	983	984	rBV3	1373289	1531078	16.64%	1.041%
53	7.886	984	986	988	rVV2	1942109	1884322	20.47%	1.281%
54	7.916	988	991	995	rVV4	2247432	4146958	45.06%	2.820%
55	7.957	995	998	1000	rVV2	1169228	1742080	18.93%	1.185%
56	7.975	1000	1001	1003	rVV2	1436744	962258	10.46%	0.654%
57	7.998	1003	1005	1007	rVV	1934950	1589461	17.27%	1.081%
58	8.022	1007	1009	1012	rVV3	955085	861649	9.36%	0.586%
59	8.098	1017	1022	1023	rBV2	1230254	1697218	18.44%	1.154%
60	8.134	1026	1028	1030	rVB2	817303	687299	7.47%	0.467%
61	8.228	1038	1044	1046	rBV3	2769355	3660151	39.77%	2.489%
62	8.257	1046	1049	1051	rVB3	788514	630183	6.85%	0.428%
63	8.281	1051	1053	1056	rVB4	867973	909095	9.88%	0.618%
64	8.322	1056	1060	1062	rBV4	1247976	1451104	15.77%	0.987%
65	8.369	1064	1068	1071	rBV2	5310964	5872688	63.81%	3.993%
66	8.434	1077	1079	1083	rBV5	1151180	1145969	12.45%	0.779%
67	8.475	1083	1086	1087	rBV3	935727	951229	10.34%	0.647%
68	8.492	1087	1089	1092	rVB3	624304	420706	4.57%	0.286%
69	8.528	1093	1095	1097	rBV2	1018167	943759	10.25%	0.642%
70	8.592	1104	1106	1108	rVV2	992558	668326	7.26%	0.454%
71	8.628	1110	1112	1114	rVB	2178030	1931429	20.99%	1.313%

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72	8.745	1130	1132	1138	rVB3	2057919	2340774	25.43%	1.592%
73	8.792	1138	1140	1141	rBV2	852965	590200	6.41%	0.401%
74	8.816	1141	1144	1145	rVV3	1387073	1248897	13.57%	0.849%
75	8.845	1146	1149	1152	rVB	2891273	2890038	31.40%	1.965%
76	8.904	1157	1159	1163	rBV4	697819	849140	9.23%	0.577%
77	8.969	1166	1170	1172	rVB	4785214	4879488	53.02%	3.318%
78	9.110	1192	1194	1197	rVB2	1416575	979732	10.65%	0.666%
79	9.216	1208	1212	1215	rVB2	1385403	1750563	19.02%	1.190%
80	9.269	1218	1221	1222	rBV3	1197293	1217001	13.22%	0.827%
81	9.351	1232	1235	1237	rBV2	1470593	1451008	15.77%	0.987%
82	9.375	1237	1239	1241	rVV	1578160	1190939	12.94%	0.810%
83	9.428	1241	1248	1250	rVV3	5361844	7032831	76.41%	4.782%
84	9.445	1250	1251	1253	rVB2	939170	657178	7.14%	0.447%
85	9.504	1259	1261	1263	rBV3	904036	793803	8.62%	0.540%
86	9.598	1274	1277	1280	rVB2	1781168	1599592	17.38%	1.088%
87	9.669	1286	1289	1291	rBV	2040804	2244675	24.39%	1.526%
88	9.798	1308	1311	1314	rVB2	1803778	2088640	22.69%	1.420%
89	9.892	1324	1327	1329	rBV	2113817	1945868	21.14%	1.323%
90	9.933	1332	1334	1335	rBV	991592	756178	8.22%	0.514%
91	9.951	1335	1337	1344	rVB2	2530700	2657174	28.87%	1.807%
92	10.010	1344	1347	1350	rBV2	1457531	1623587	17.64%	1.104%
93	10.227	1382	1384	1385	rBV2	876660	738400	8.02%	0.502%
94	10.351	1401	1405	1408	rVB	4618299	5407559	58.76%	3.677%
95	10.457	1421	1423	1425	rVB2	1103295	839599	9.12%	0.571%
96	10.622	1445	1451	1457	rBV	5785362	9203527	100.00%	6.258%
97	11.075	1524	1528	1534	rVB	4021558	5120116	55.63%	3.481%
98	11.416	1584	1586	1589	rVB	1260357	1269399	13.79%	0.863%
99	13.792	1987	1990	1993	rBV	660834	658984	7.16%	0.448%
100	15.192	2224	2228	2233	rVB	563037	667469	7.25%	0.454%

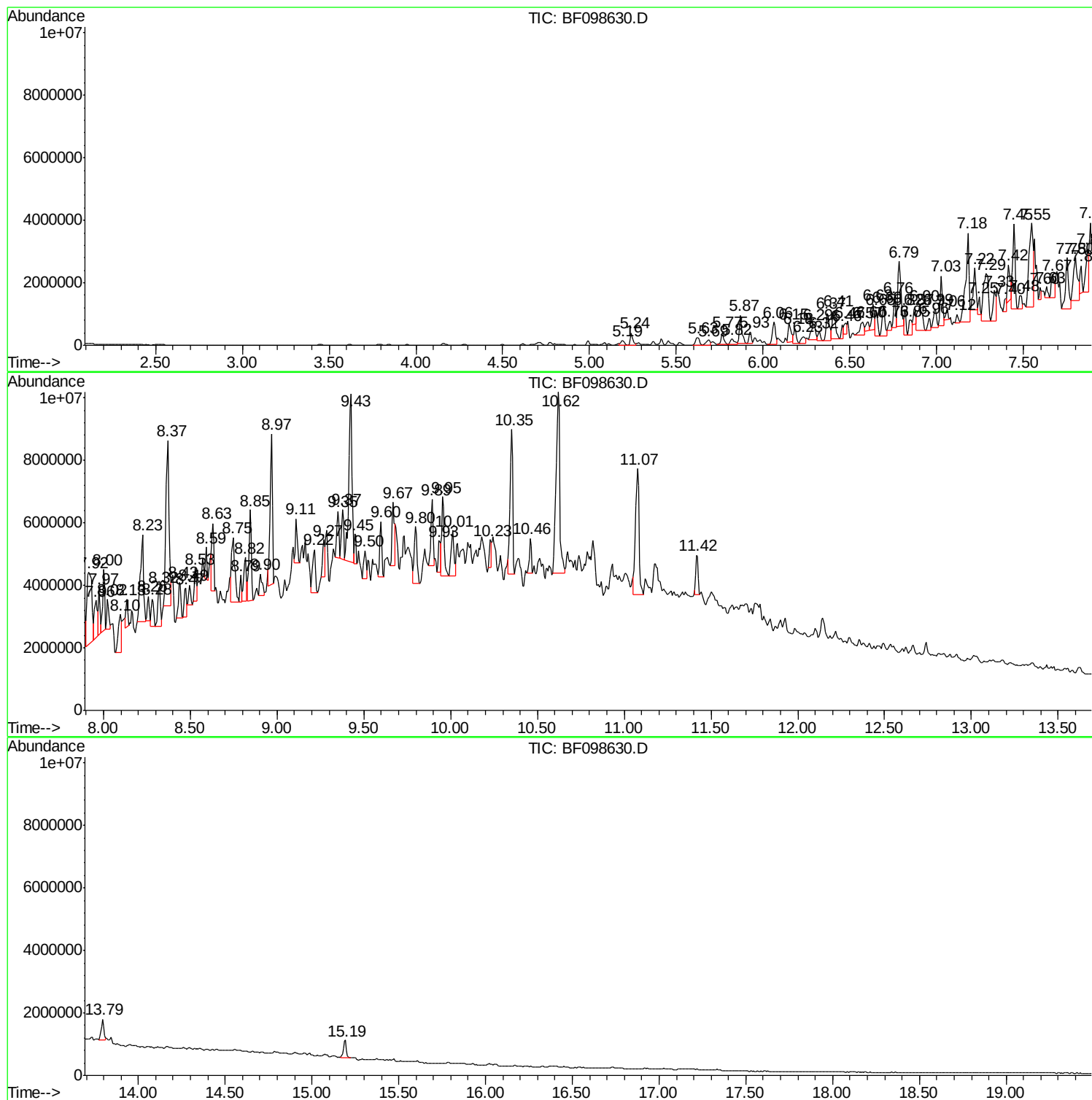
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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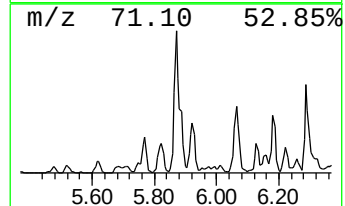
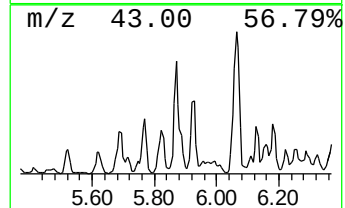
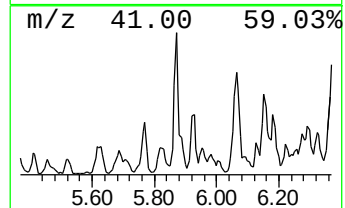
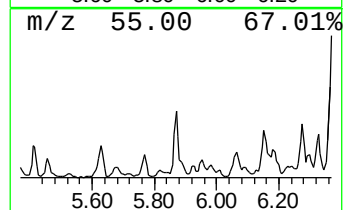
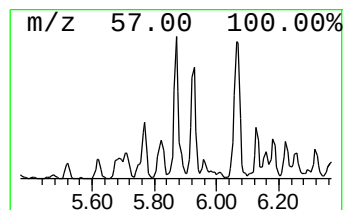
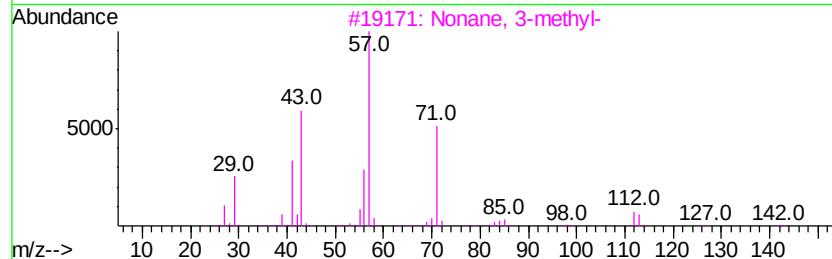
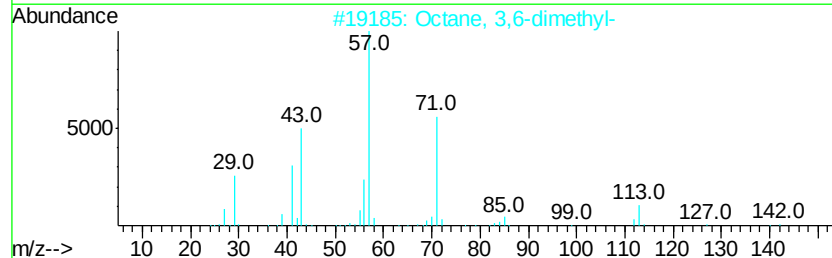
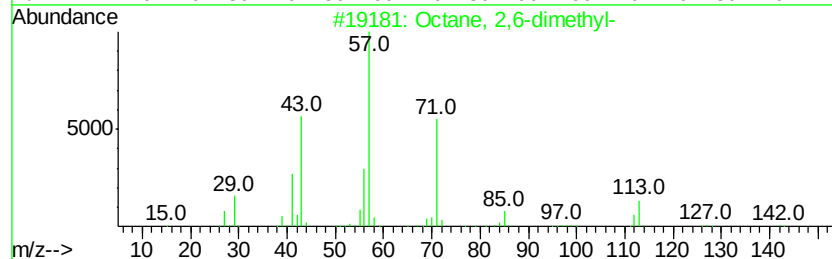
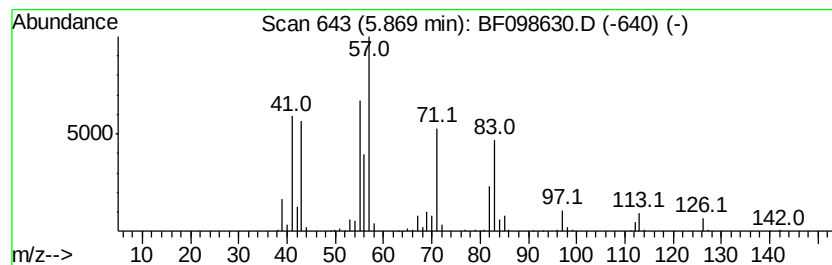
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown5.87 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.87	21.68 ng	1007990	1,4-Dichlorobenzene-d4	6.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	43
2		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	43
3		Nonane, 3-methyl-	142	C10H22	005911-04-6	43
4		Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	35
5		Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	35



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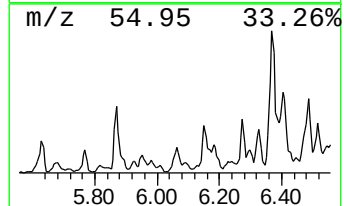
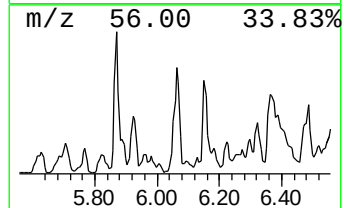
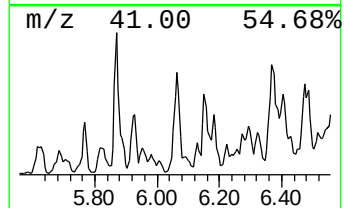
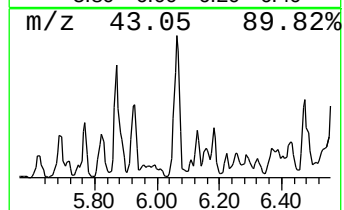
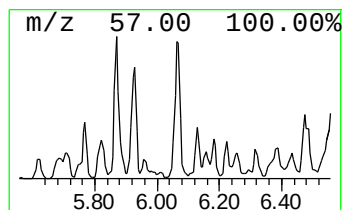
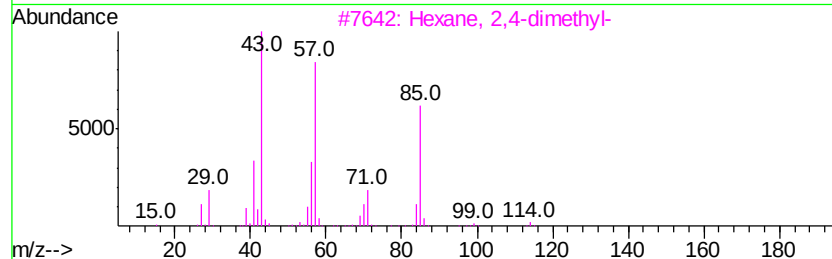
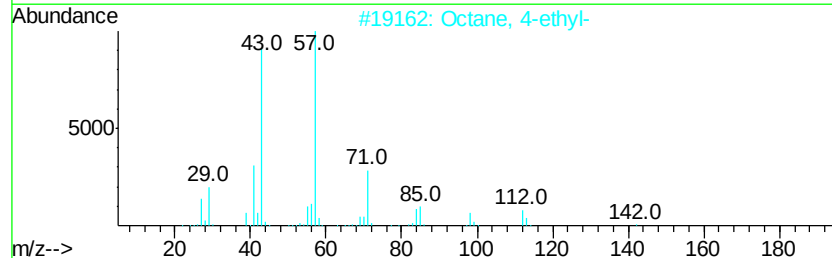
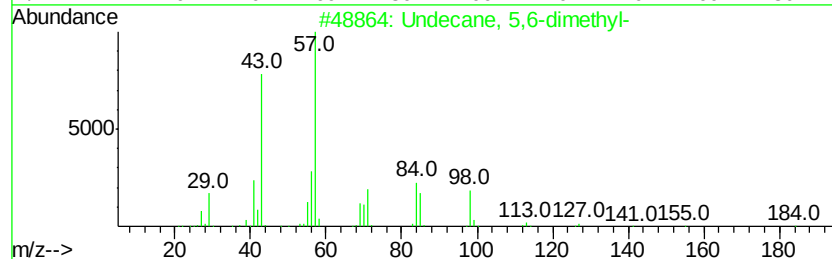
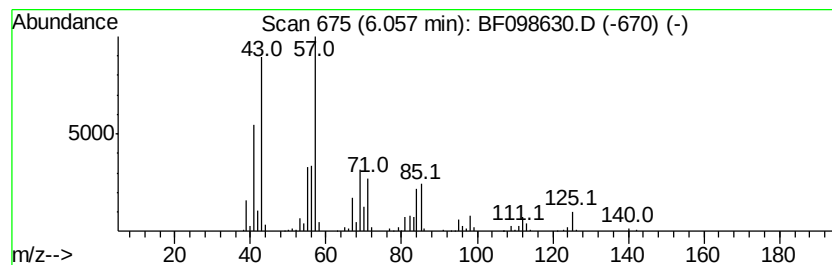
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Undecane, 5,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.06	21.36 ng	993262	1,4-Dichlorobenzene-d4	6.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	72
2		Octane, 4-ethyl-	142	C10H22	015869-86-0	58
3		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53
4		Tridecane, 6-methyl-	198	C14H30	013287-21-3	53
5		Undecane	156	C11H24	001120-21-4	50



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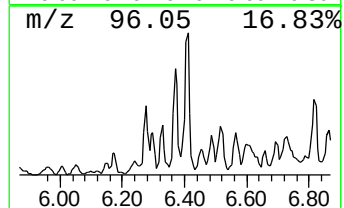
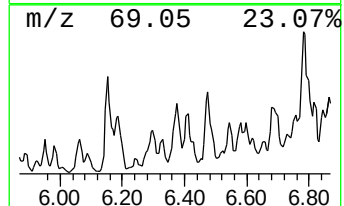
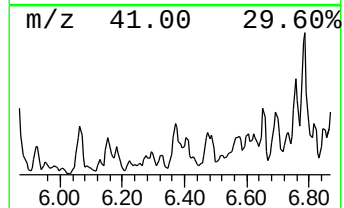
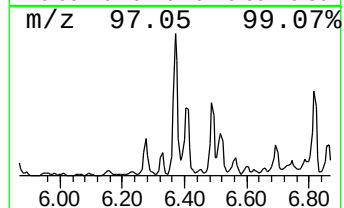
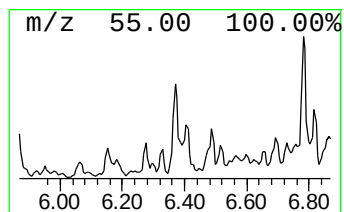
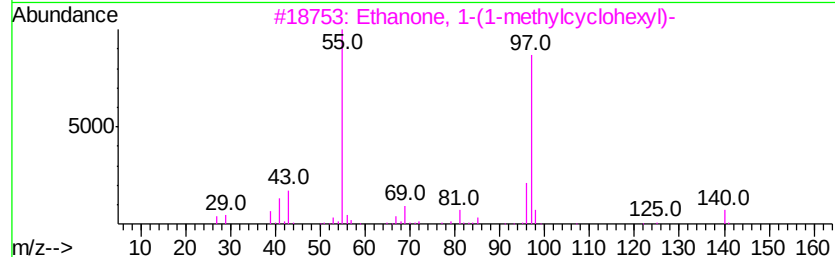
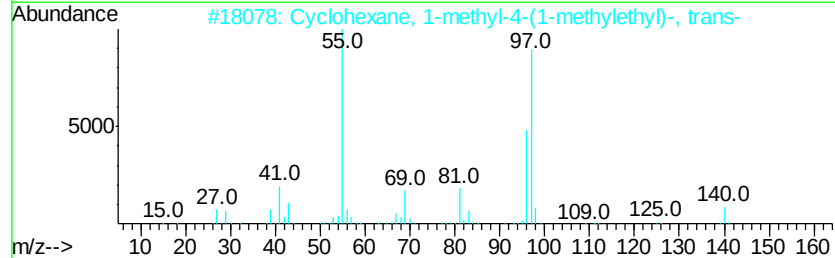
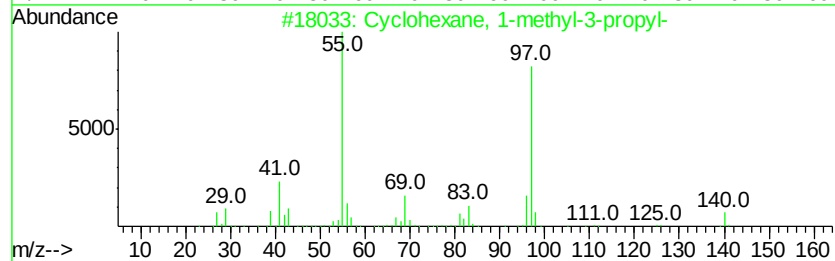
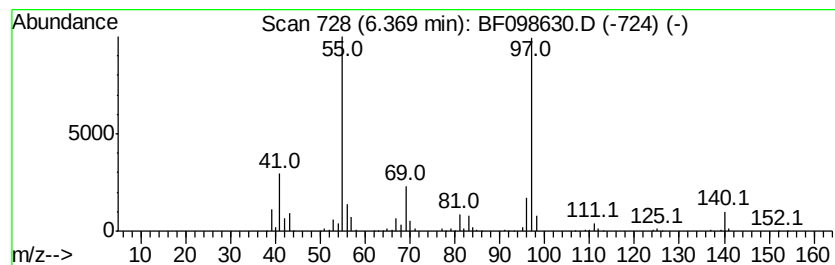
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Peak Number 3 Cyclohexane, 1-methyl-3-pro... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.37	28.82 ng	1340050	1,4-Dichlorobenzene-d4	6.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	90
2		Cyclohexane, 1-methyl-4-(1-methyl-3-propyl)-	140	C10H20	001678-82-6	87
3		Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	86
4		1-Methyl-4-(1-methylethyl)-cyclohexane	140	C10H20	000099-82-1	83
5		Cyclohexane, 1-methyl-4-(1-methyl-3-propyl)-	140	C10H20	006069-98-3	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091817\
Data File : BF098630.D
Acq On : 19 Sep 2017 5:01
Operator : SJ/JU
Sample : I5265-15 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-27D02

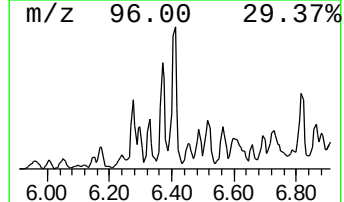
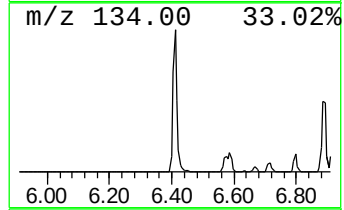
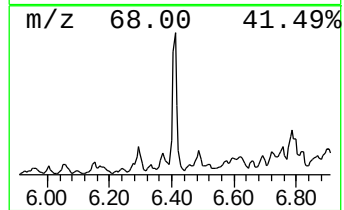
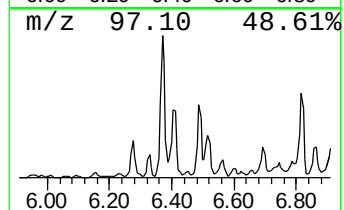
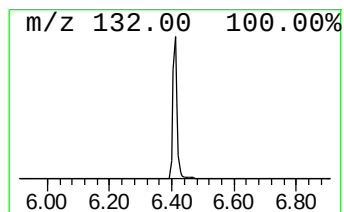
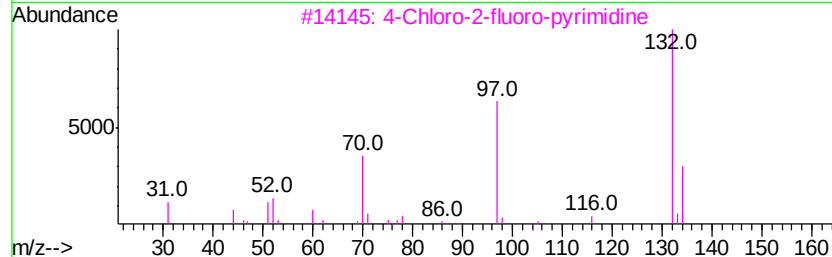
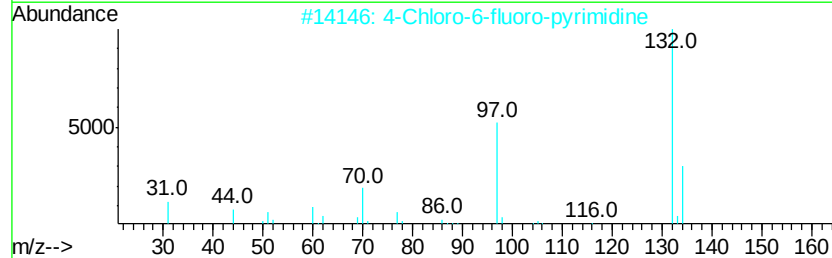
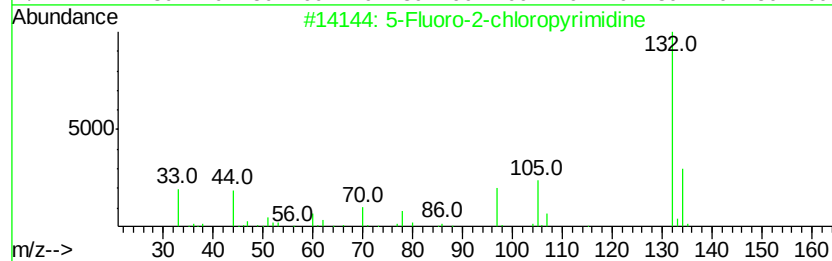
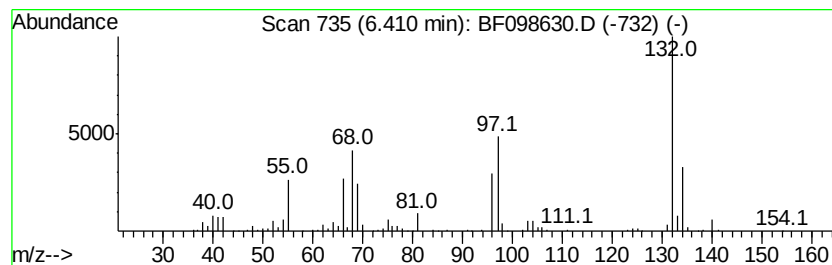
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 unknown6.41 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.41	22.72 ng	1056430	1,4-Dichlorobenzene-d4	6.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	27
2		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	25
3		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	25
4		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	12
5		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091817\
Data File : BF098630.D
Acq On : 19 Sep 2017 5:01
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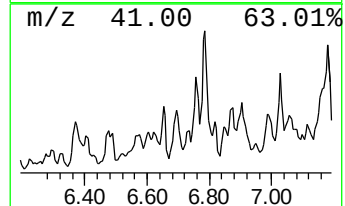
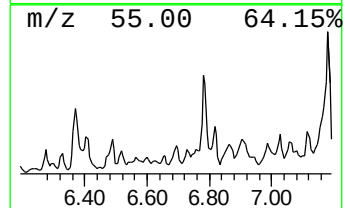
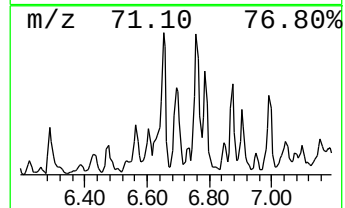
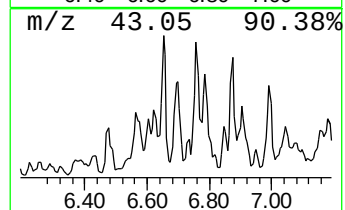
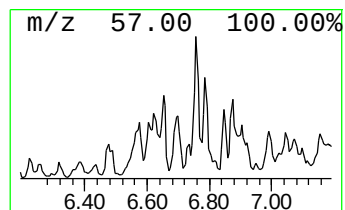
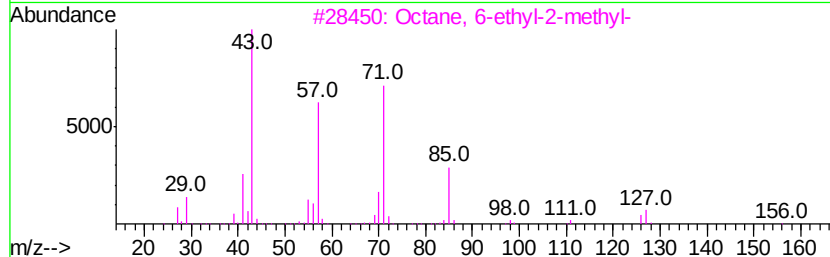
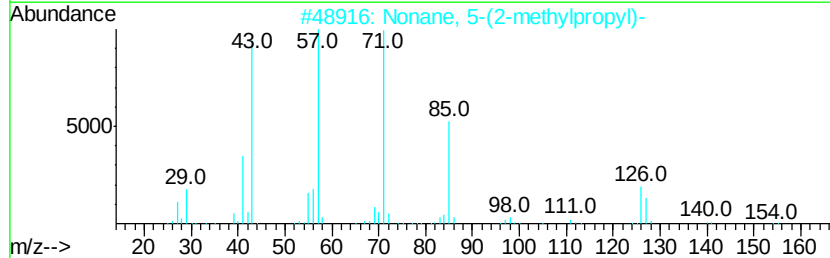
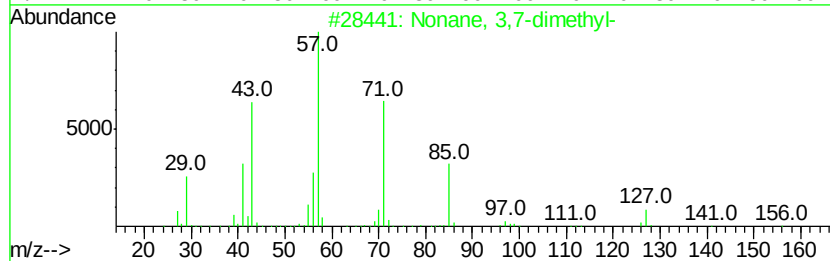
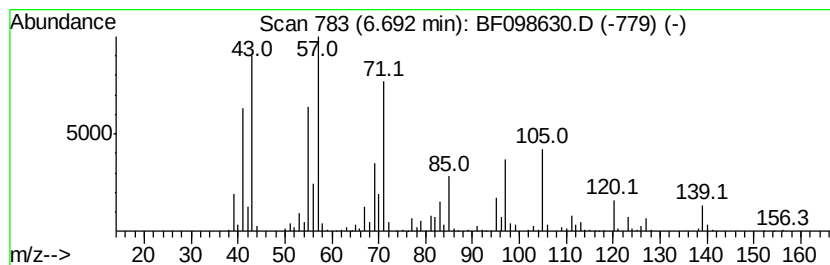
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Nonane, 3,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.69	26.65 ng	1239040	1,4-Dichlorobenzene-d4	6.63
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Nonane, 3,7-dimethyl-	156 C11H24	017302-32-8	62
2	Nonane, 5-(2-methylpropyl)-	184 C13H28	062185-53-9	50
3	Octane, 6-ethyl-2-methyl-	156 C11H24	062016-19-7	47
4	Sulfurous acid, nonyl 2-propyl e...	250 C12H26O3S	1000309-12-0	47
5	Nonane, 3-methyl-	142 C10H22	005911-04-6	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
Data File : BF098630.D
Acq On : 19 Sep 2017 5:01
Operator : SJ/JU
Sample : I5265-15 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

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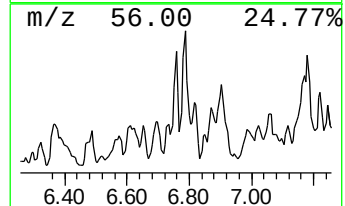
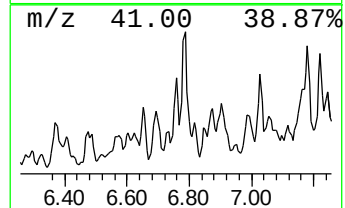
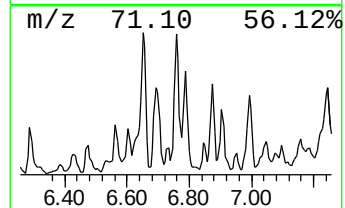
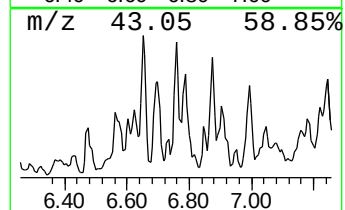
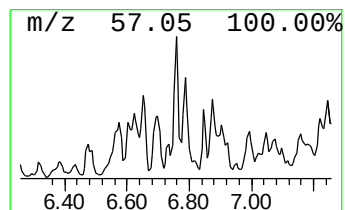
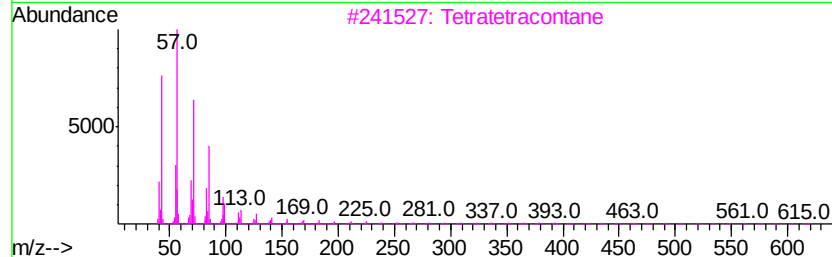
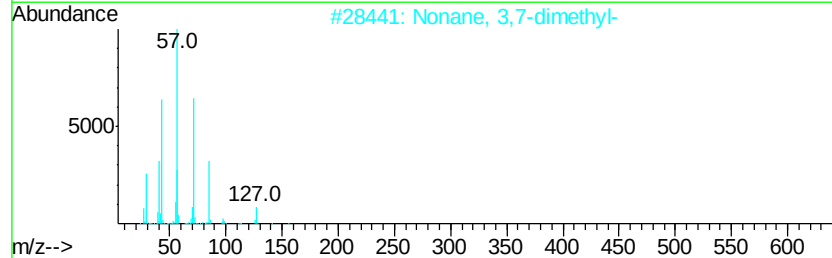
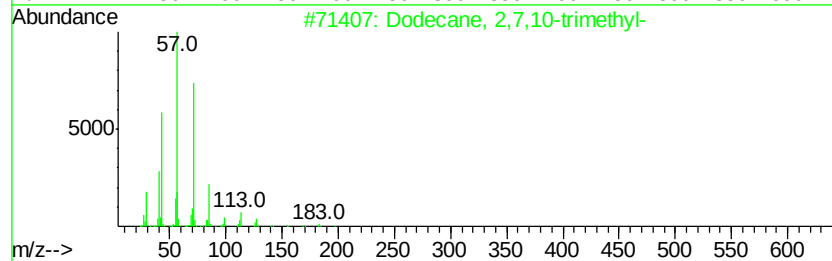
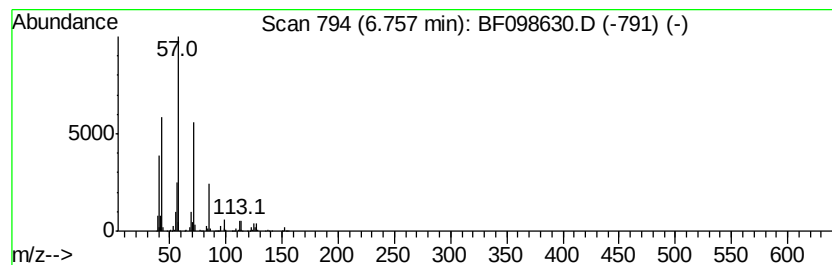
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Dodecane, 2,7,10-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.76	19.34 ng	899225	1,4-Dichlorobenzene-d4	6.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
2		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	68
3		Tetratetracontane	619	C44H90	007098-22-8	59
4		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	59
5		Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
Data File : BF098630.D
Acq On : 19 Sep 2017 5:01
Operator : SJ/JU
Sample : I5265-15 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

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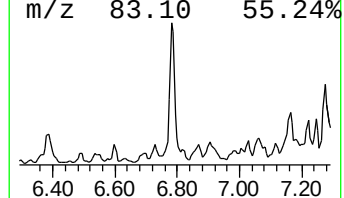
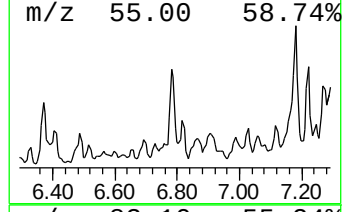
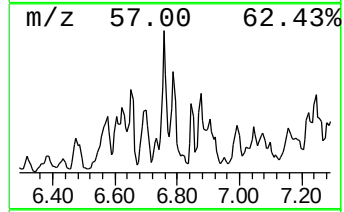
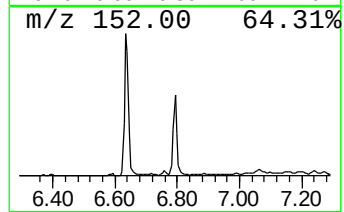
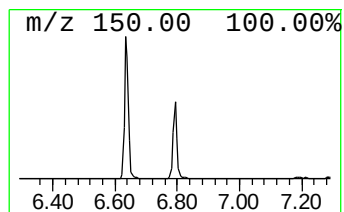
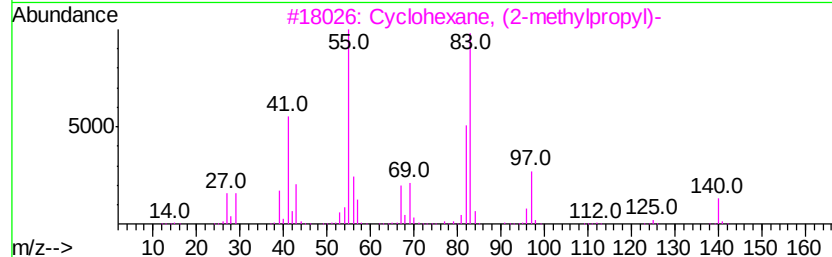
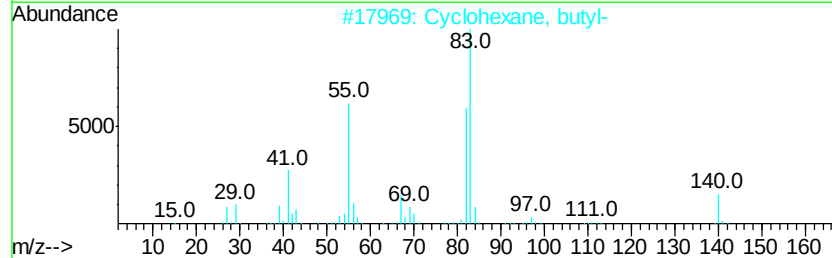
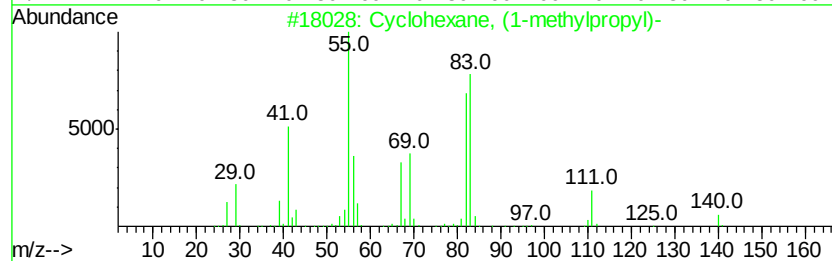
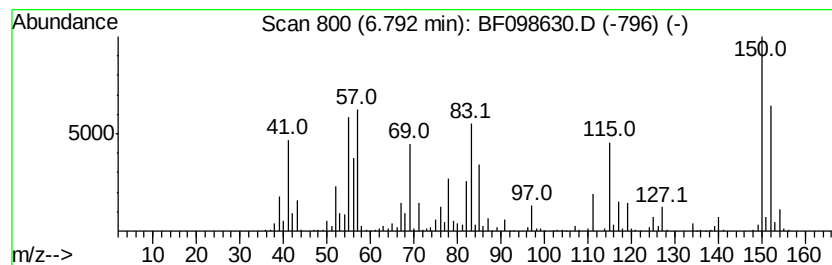
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Cyclohexane, (1-methylpropyl)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.79	50.34 ng	2340560	1,4-Dichlorobenzene-d4	6.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	58
2		Cyclohexane, butyl-	140	C10H20	001678-93-9	53
3		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	52
4		Cyclohexane, undecyl-	238	C17H34	054105-66-7	47
5		Cyclohexane, tetradecyl-	280	C20H40	001795-18-2	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
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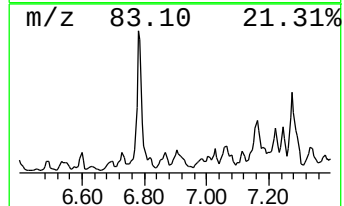
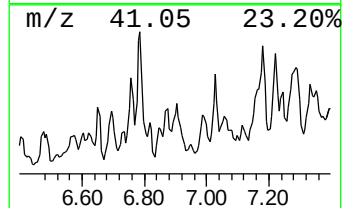
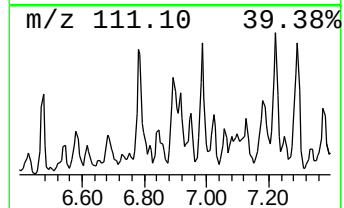
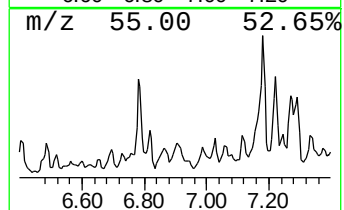
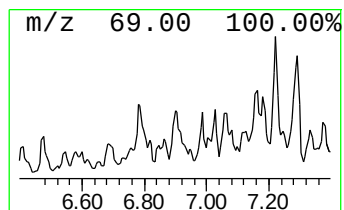
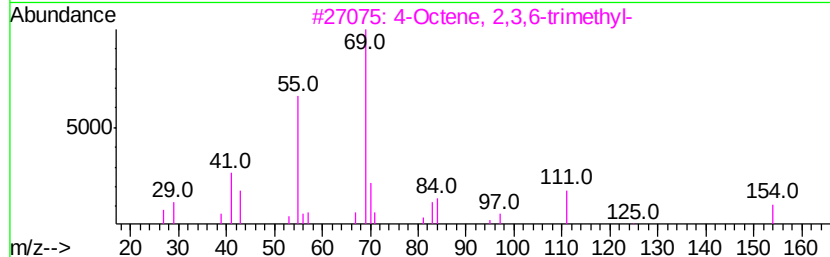
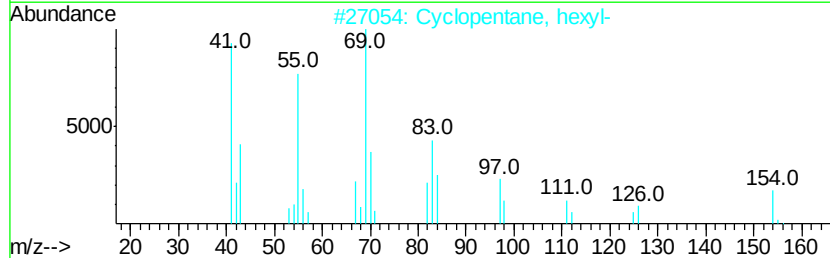
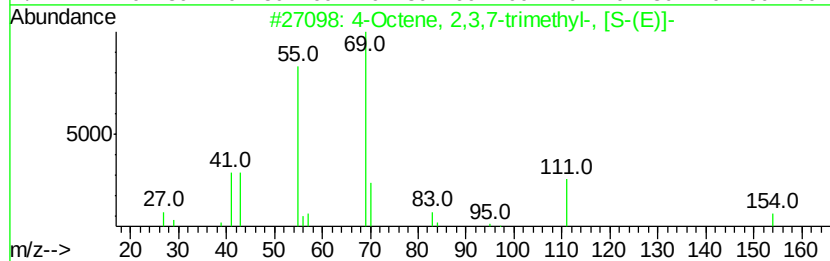
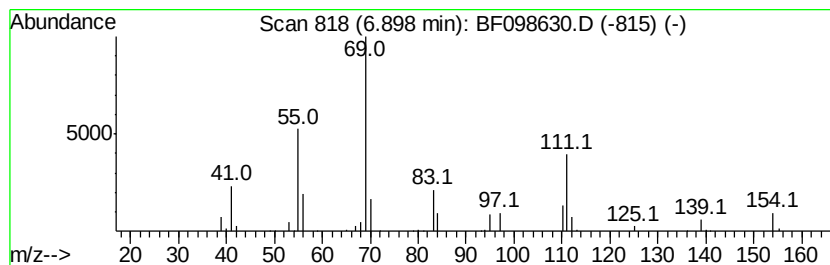
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4-Octene, 2,3,7-trimethyl-,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
6.90	31.96 ng	1485860	1,4-Dichlorobenzene-d4	6.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octene, 2,3,7-trimethyl-, [S-(...	154	C11H22	052763-13-0	52
2	Cyclopentane, hexyl-	154	C11H22	004457-00-5	52
3	4-Octene, 2,3,6-trimethyl-	154	C11H22	063830-65-9	49
4	Citronellal	154	C10H18O	000106-23-0	47
5	4-Decene, 3-methyl-, (E)-	154	C11H22	062338-47-0	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091817\
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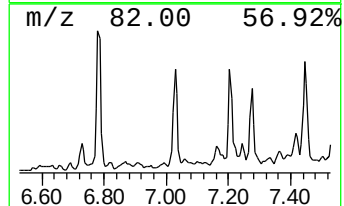
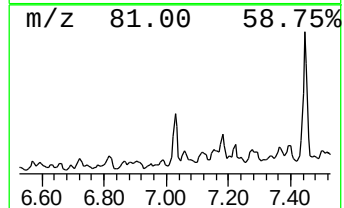
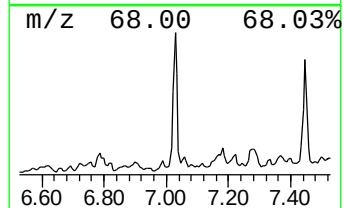
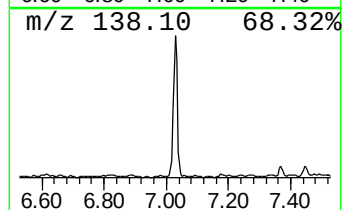
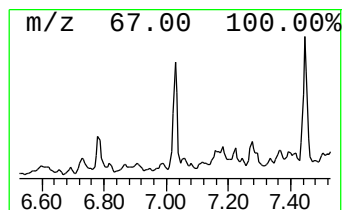
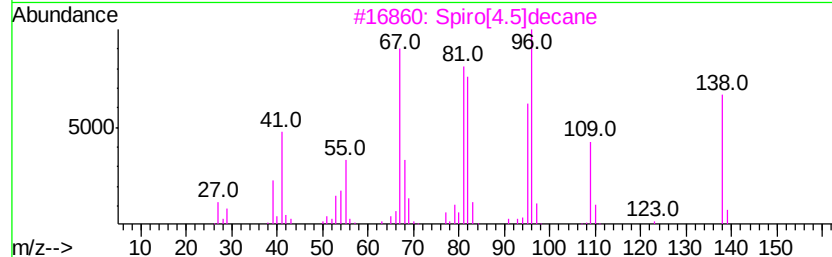
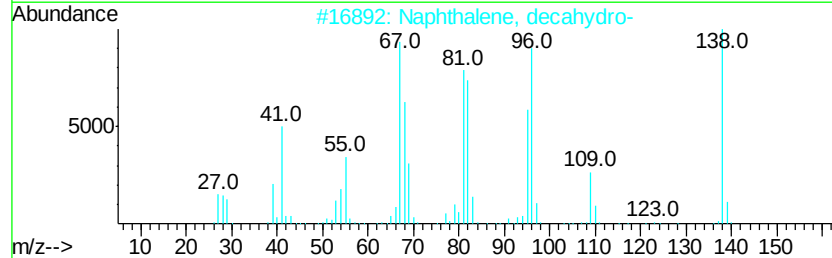
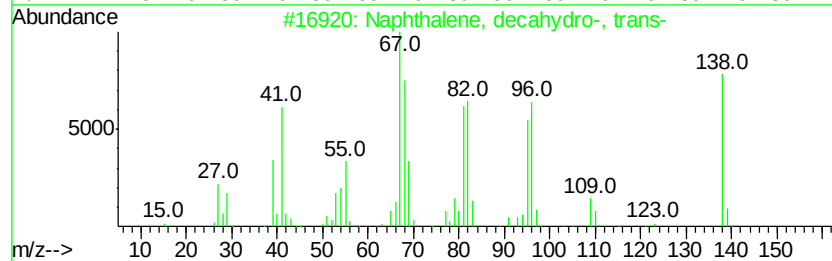
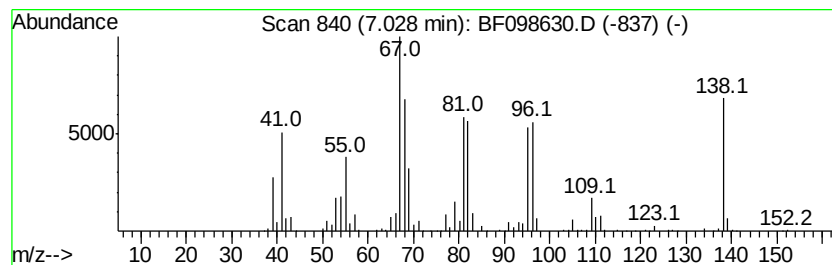
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, decahydro-, tr... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.03	30.28 ng	1407720	1,4-Dichlorobenzene-d4	6.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	97
2		Naphthalene, decahydro-	138	C10H18	000091-17-8	96
3		Spiro[4.5]decane	138	C10H18	000176-63-6	81
4		2H-Inden-2-one, octahydro-, cis-	138	C9H14O	005689-04-3	80
5		Bicyclo[5.3.0]decane	138	C10H18	005661-80-3	72



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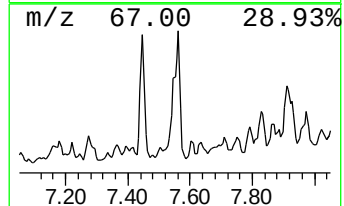
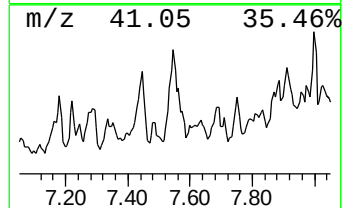
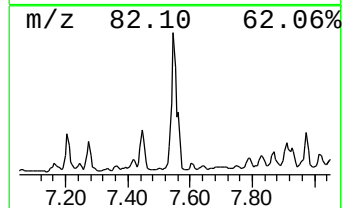
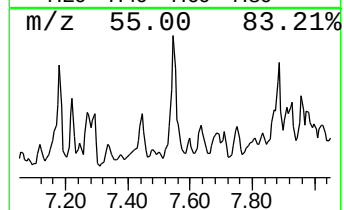
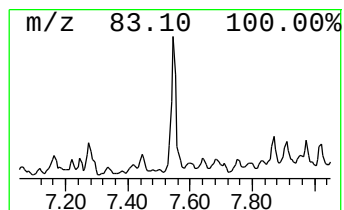
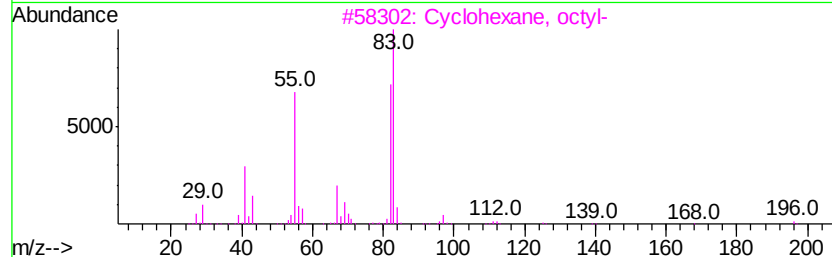
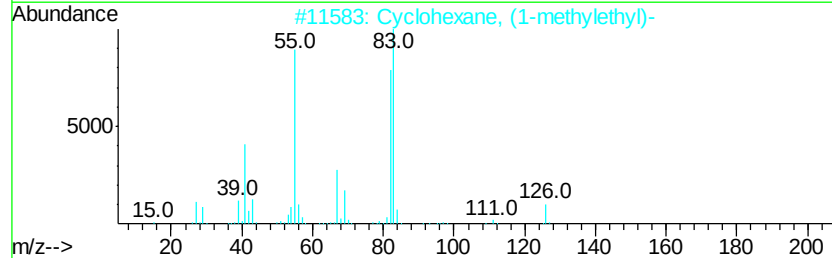
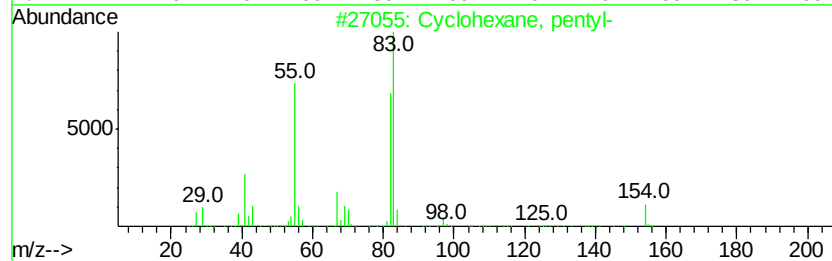
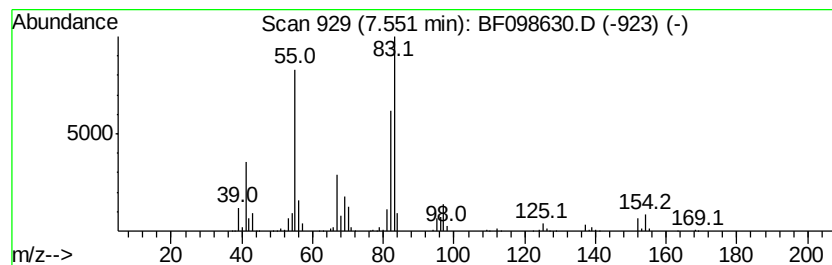
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Cyclohexane, pentyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.55	19.64 ng	4072120	Naphthalene-d8	7.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	91
2		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	90
3		Cyclohexane, octyl-	196	C14H28	001795-15-9	90
4		Cyclohexane, butyl-	140	C10H20	001678-93-9	83
5		Cyclohexane, hexyl-	168	C12H24	004292-75-5	83



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
Data File : BF098630.D
Acq On : 19 Sep 2017 5:01
Operator : SJ/JU
Sample : I5265-15 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

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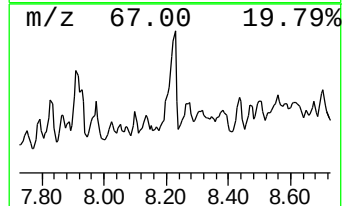
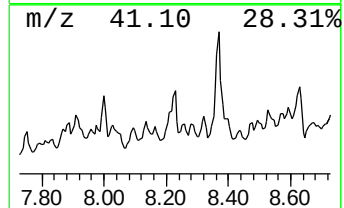
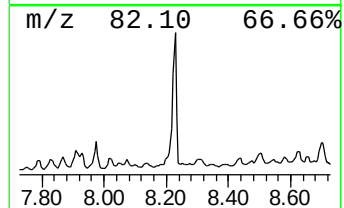
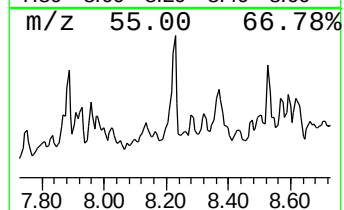
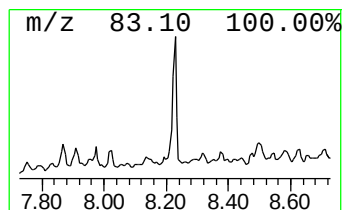
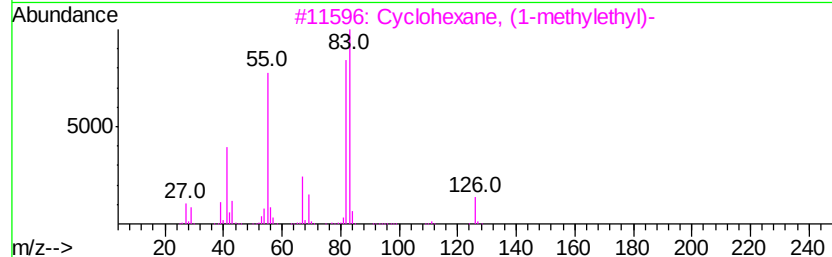
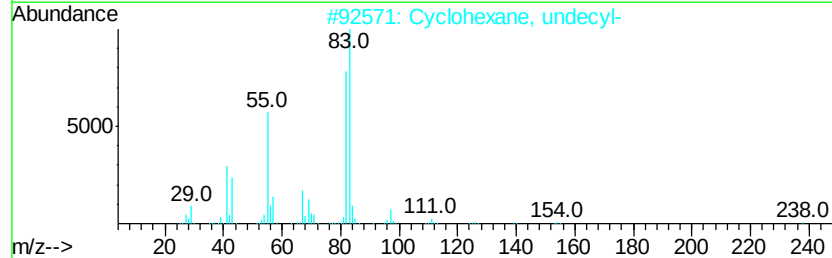
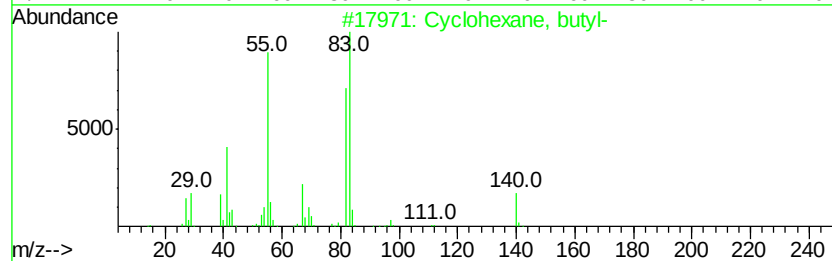
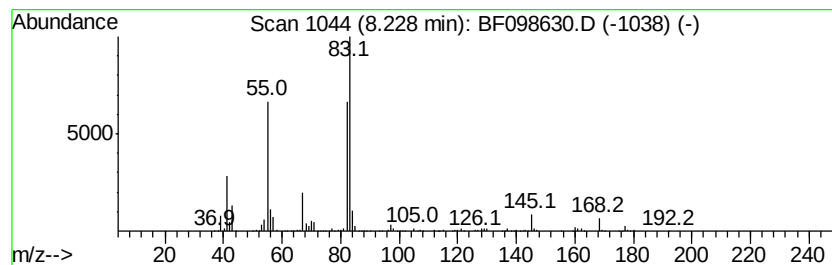
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Cyclohexane, butyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.23	17.65 ng	3660150	Napthalene-d8	7.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, butyl-	140	C10H20	001678-93-9	86
2		Cyclohexane, undecyl-	238	C17H34	054105-66-7	78
3		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	78
4		Cyclohexane, octyl-	196	C14H28	001795-15-9	78
5		Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	78



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
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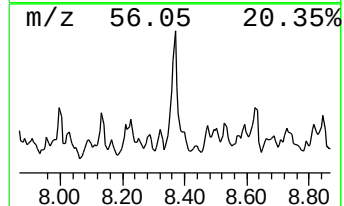
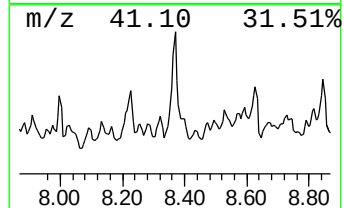
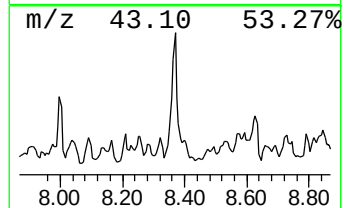
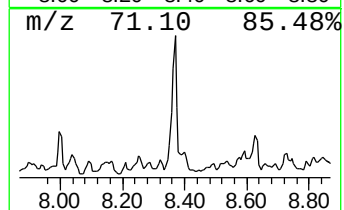
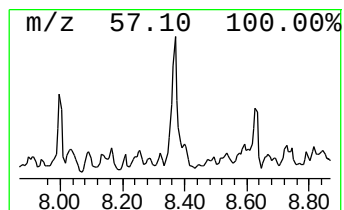
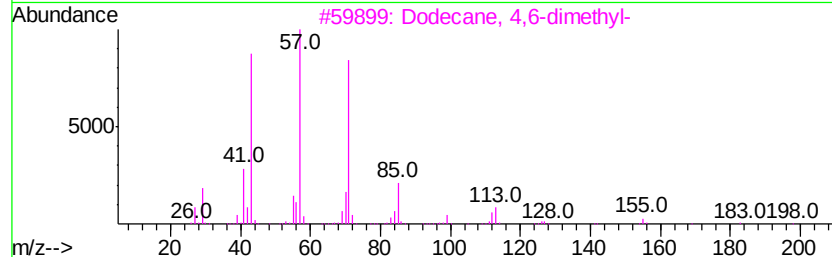
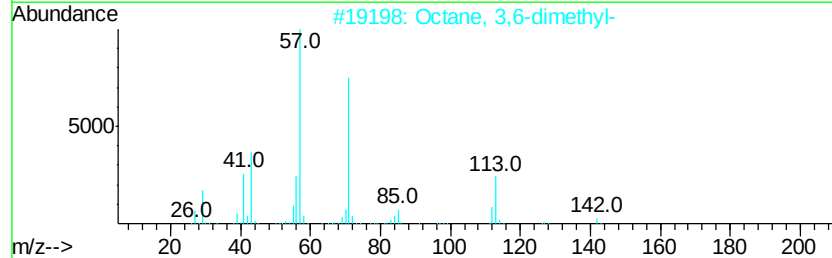
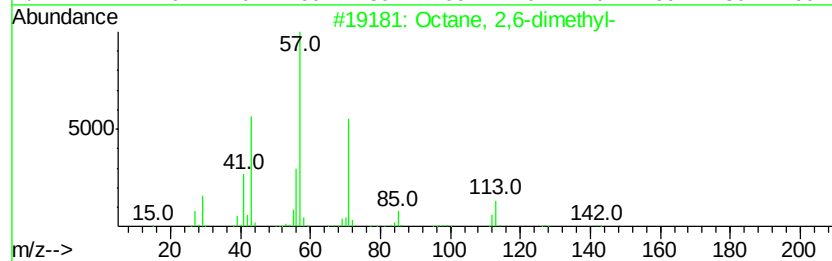
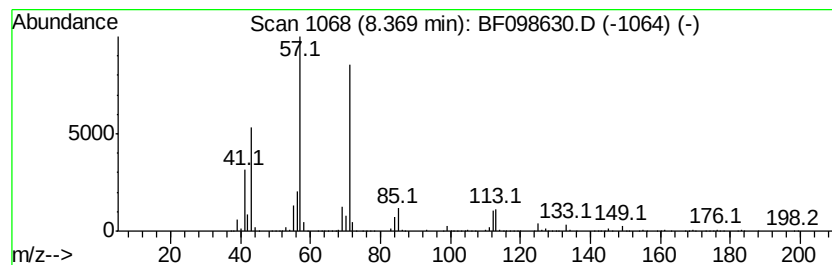
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Octane, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.37	28.32 ng	5872690	Napthalene-d8	7.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
2		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	78
3		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	72
4		Decane, 2-methyl-	156	C11H24	006975-98-0	72
5		Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091817\
Data File : BF098630.D
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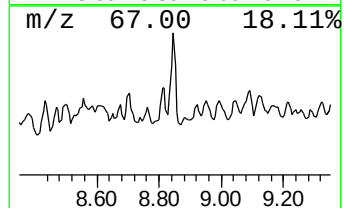
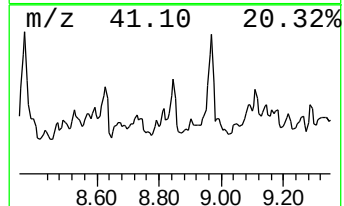
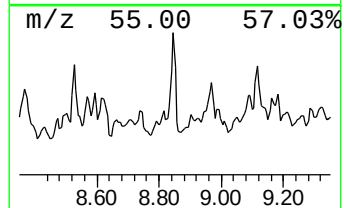
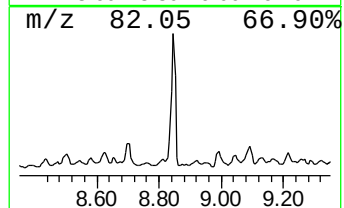
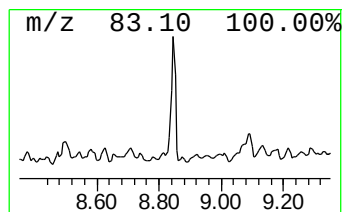
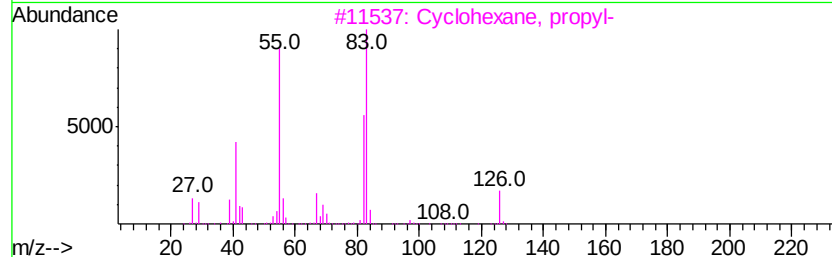
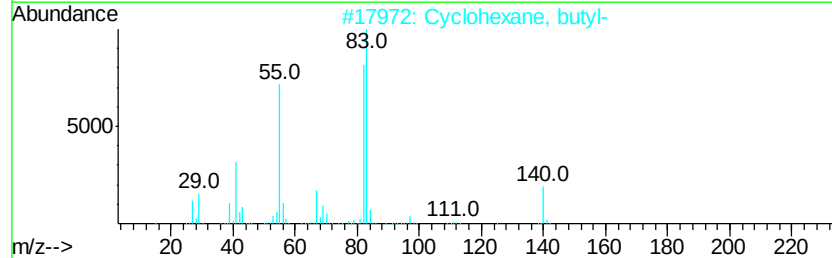
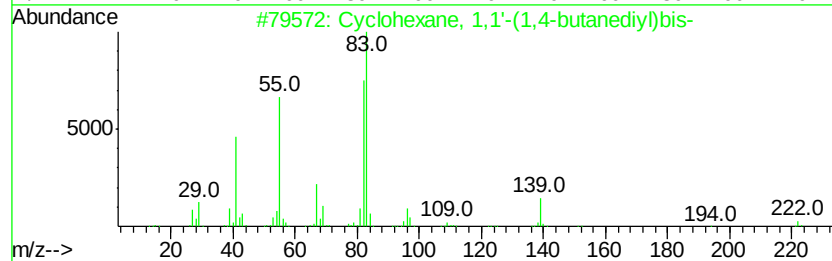
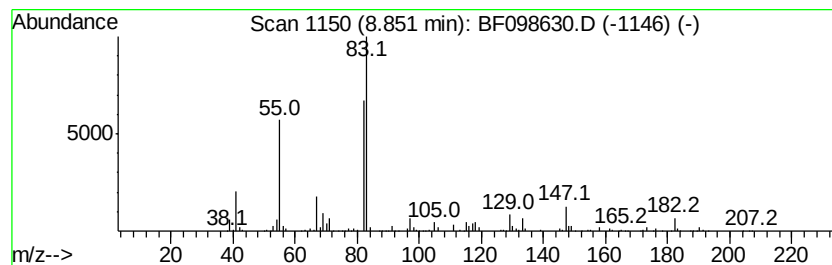
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Cyclohexane, 1,1'-(1,4-buta... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.85	25.75 ng	2890040	Acenaphthene-d10	9.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1'-(1,4-butanediol)bis-	222	C16H30	006165-44-2	78
2		Cyclohexane, butyl-	140	C10H20	001678-93-9	72
3		Cyclohexane, propyl-	126	C9H18	001678-92-8	64
4		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	53
5		1-Cyclohexylethanol, pentafluoro...	274	C11H15F5O2	1000365-50-1	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091817\
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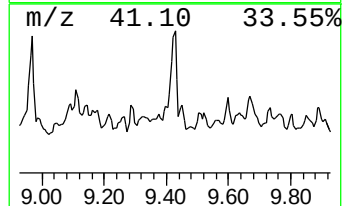
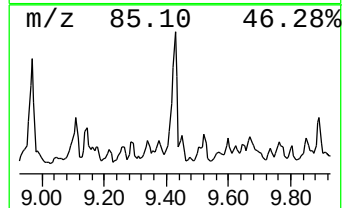
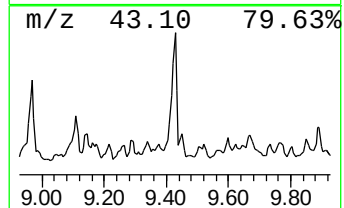
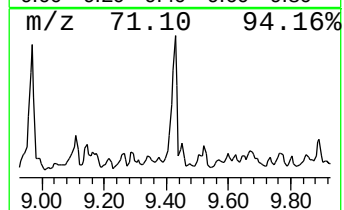
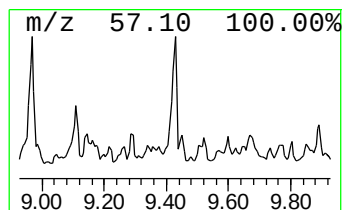
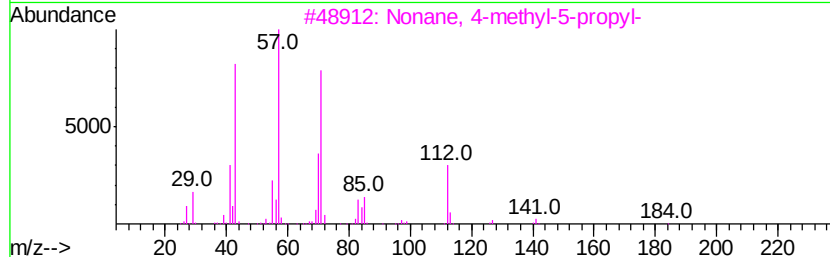
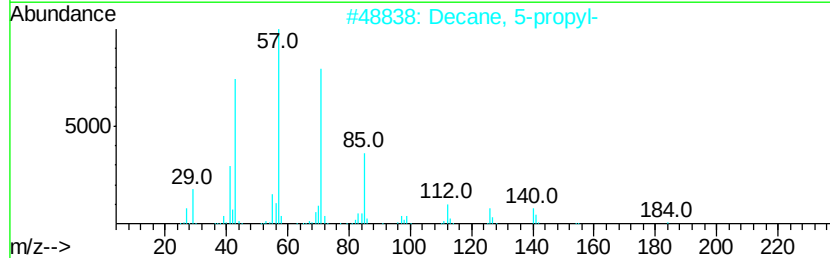
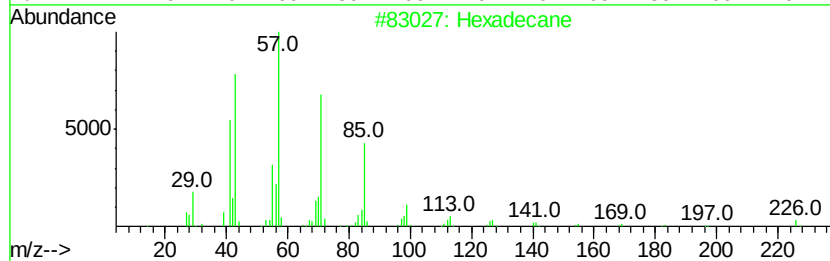
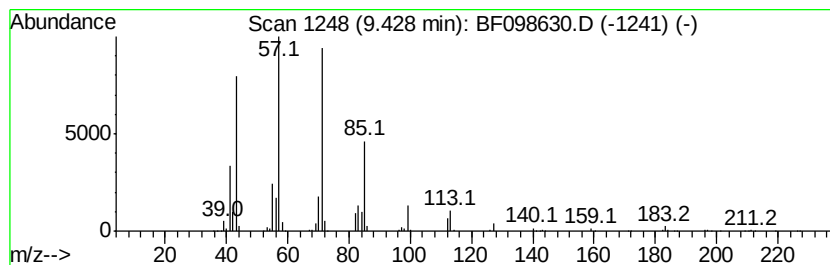
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Hexadecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.43	62.66 ng	7032830	Acenaphthene-d10	9.69
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexadecane		226 C16H34	000544-76-3 78
2	Decane, 5-propyl-		184 C13H28	017312-62-8 72
3	Nonane, 4-methyl-5-propyl-		184 C13H28	062185-55-1 70
4	Tridecane		184 C13H28	000629-50-5 64
5	Nonane, 5-methyl-5-propyl-		184 C13H28	017312-75-3 59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091817\
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Acq On : 19 Sep 2017 5:01
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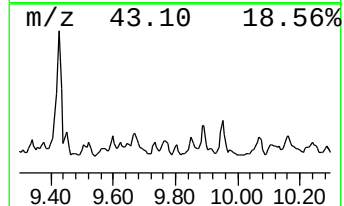
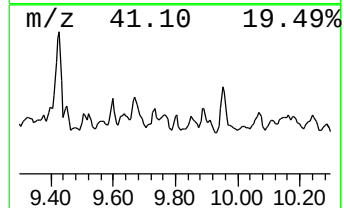
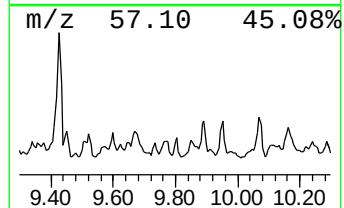
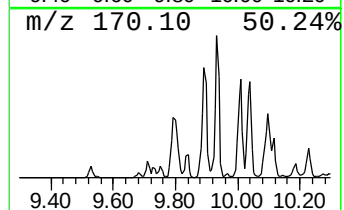
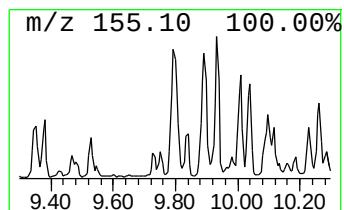
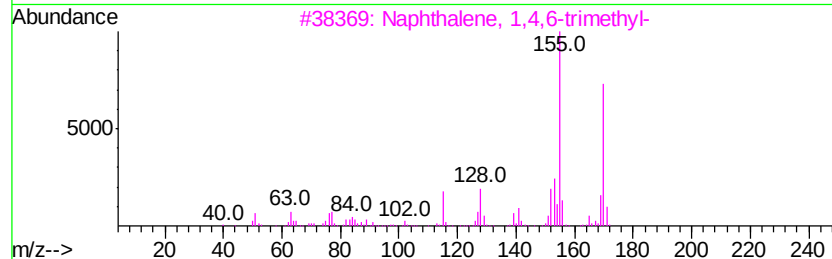
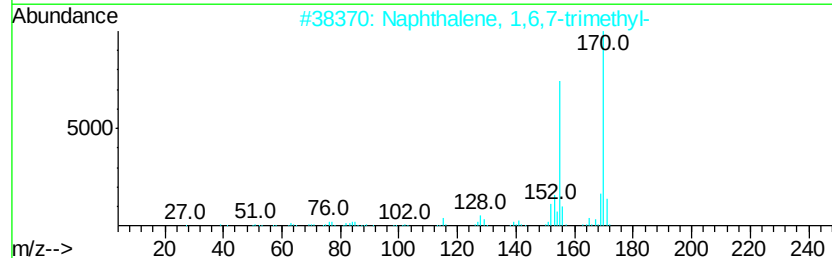
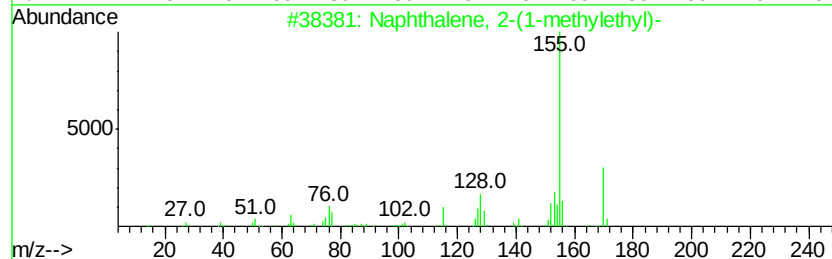
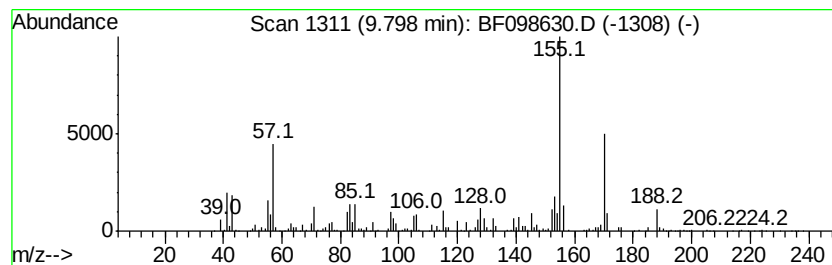
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 2-(1-methyleth... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.80	18.61 ng	2088640	Acenaphthene-d10	9.69

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	90
2			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	90
3			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	86
4			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	74
5			3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	74



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091817\
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Acq On : 19 Sep 2017 5:01
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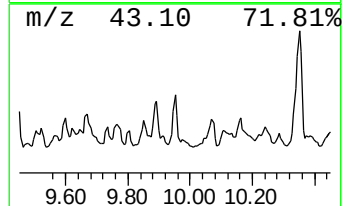
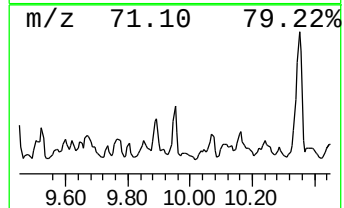
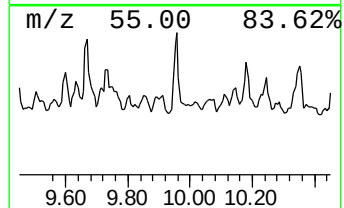
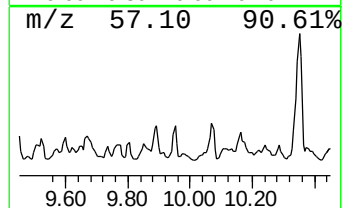
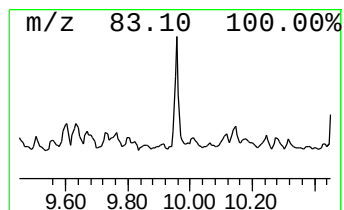
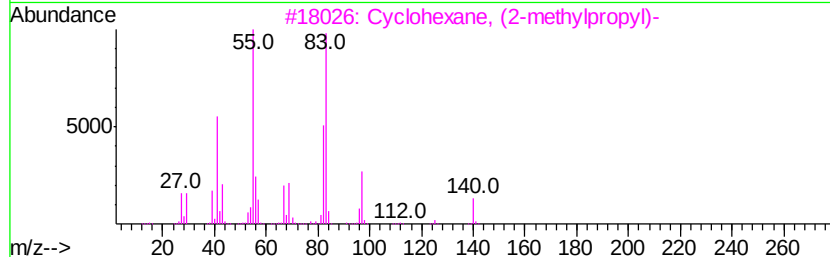
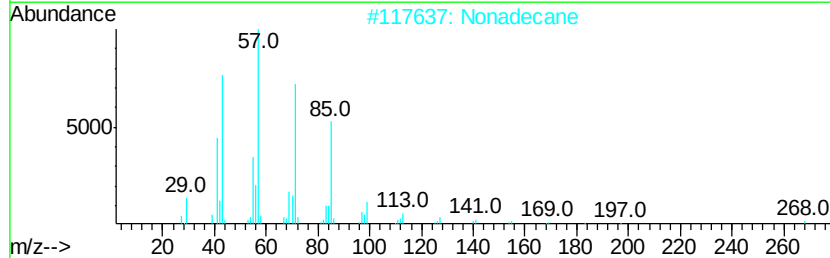
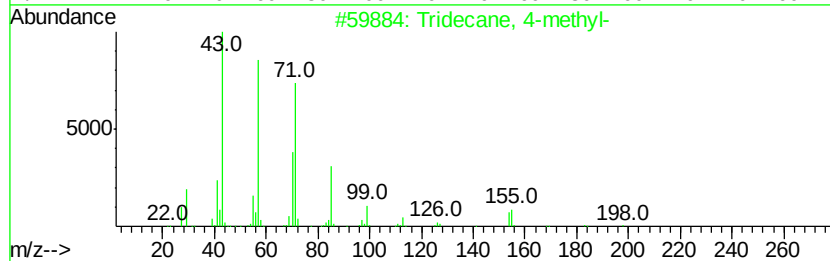
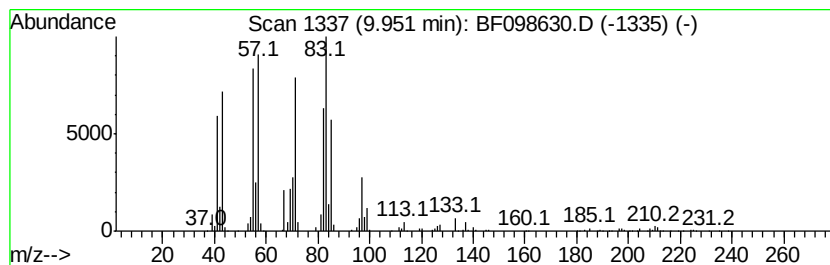
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 unknown9.95 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	23.68 ng	2657170	Acenaphthene-d10	9.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 4-methyl-	198	C14H30	026730-12-1	46
2		Nonadecane	268	C19H40	000629-92-5	46
3		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	45
4		Cyclohexane, octyl-	196	C14H28	001795-15-9	38
5		Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
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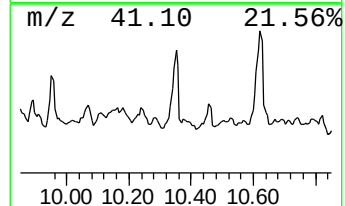
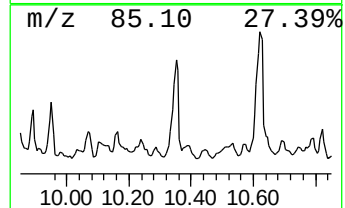
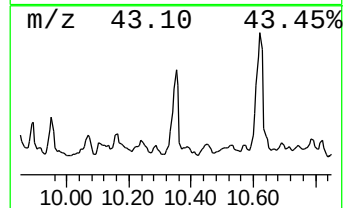
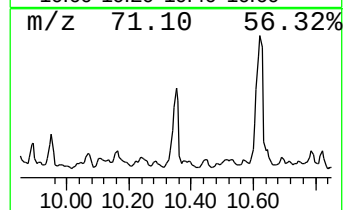
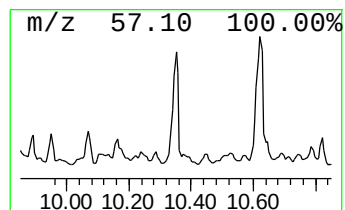
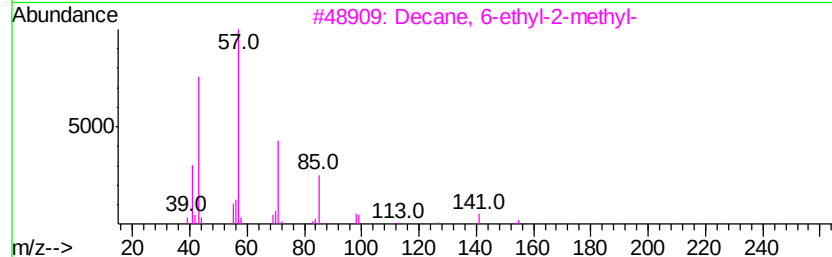
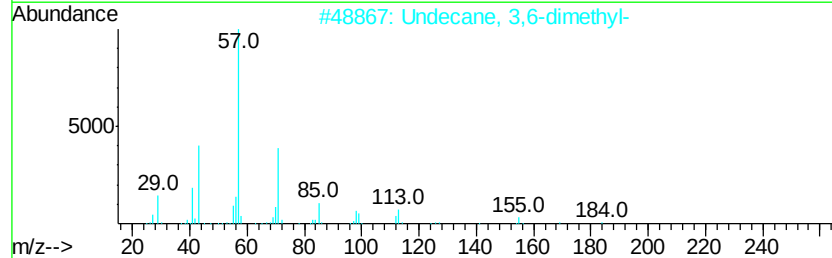
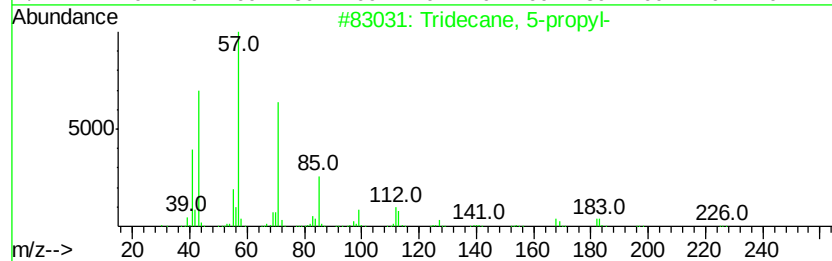
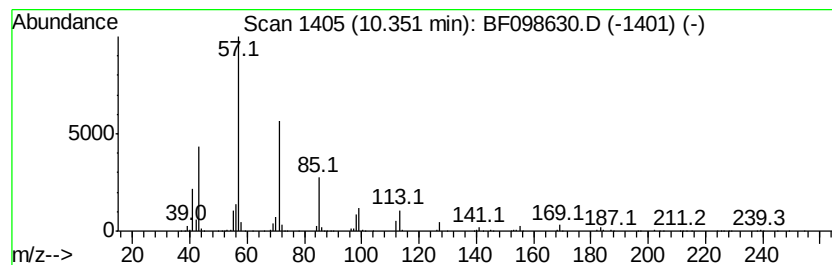
Instrument :
BNA_F
ClientSampleId :
TP-27D02

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Tridecane, 5-propyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.35	48.18 ng	5407560	Acenaphthene-d10	9.69	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	90
2	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	64
3	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	59
4	Bacchotricuneatin c	342	C20H22O5	066563-30-2	58
5	Dodecane, 6-methyl-	184	C13H28	006044-71-9	55



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
Data File : BF098630.D
Acq On : 19 Sep 2017 5:01
Operator : SJ/JU
Sample : I5265-15 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

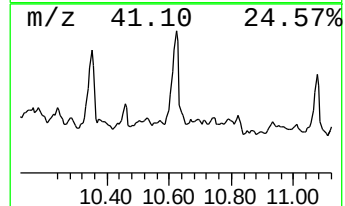
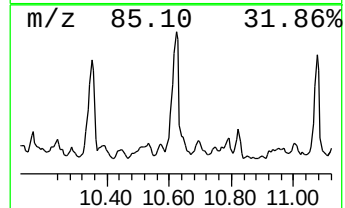
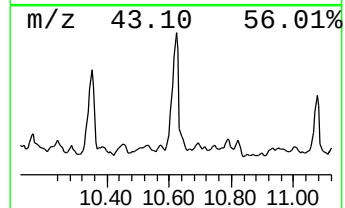
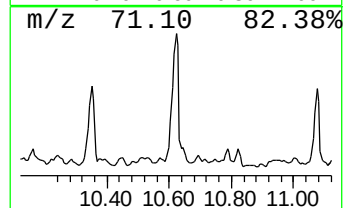
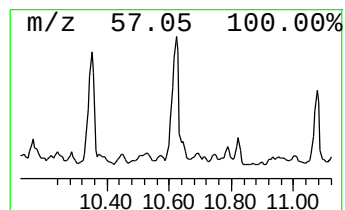
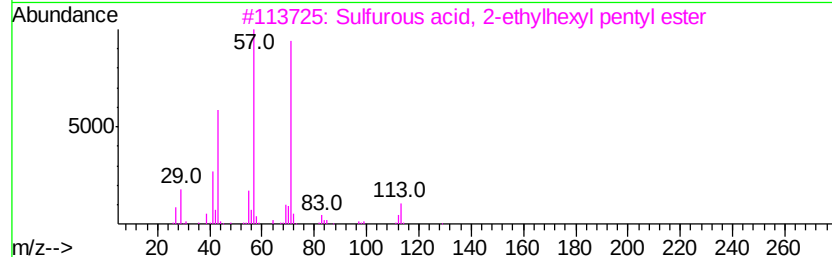
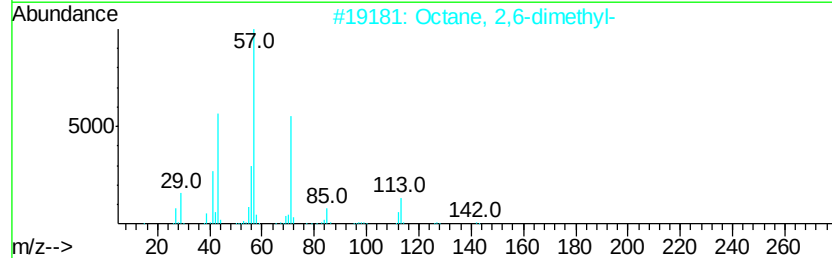
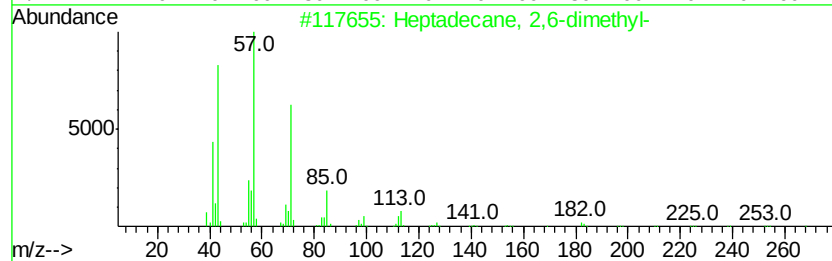
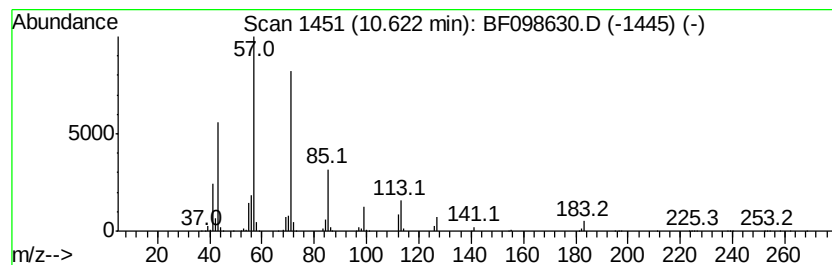
Instrument :
BNA_F
ClientSampleId :
TP-27D02

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Heptadecane, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	35.95 ng	9203530	Phenanthrene-d10	11.17
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Heptadecane, 2,6-dimethyl-	268 C19H40	054105-67-8	87
2	Octane, 2,6-dimethyl-	142 C10H22	002051-30-1	59
3	Sulfurous acid, 2-ethylhexyl pen...	264 C13H28O3S	1000309-18-9	59
4	Pentadecane, 2,6,10-trimethyl-	254 C18H38	003892-00-0	58
5	Heptane, 3,3-dimethyl-	128 C9H20	004032-86-4	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
Data File : BF098630.D
Acq On : 19 Sep 2017 5:01
Operator : SJ/JU
Sample : I5265-15 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-27D02

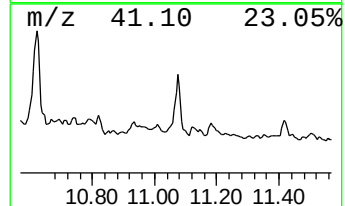
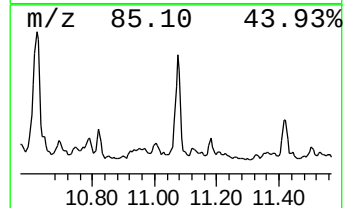
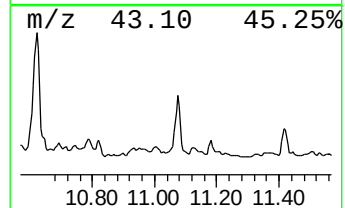
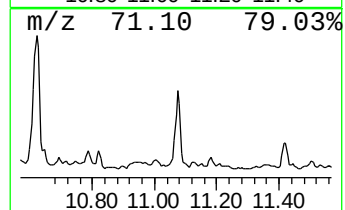
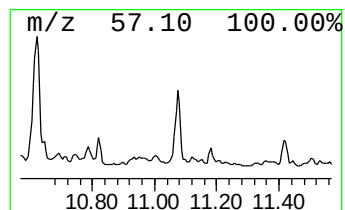
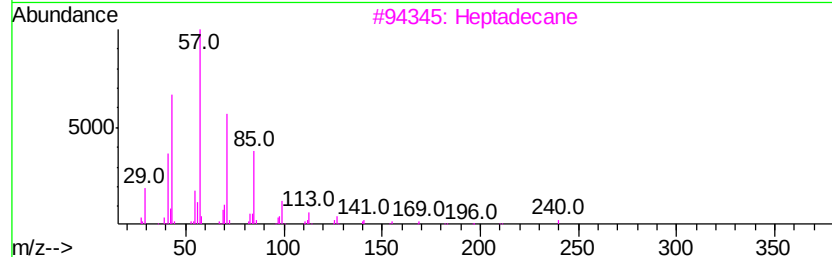
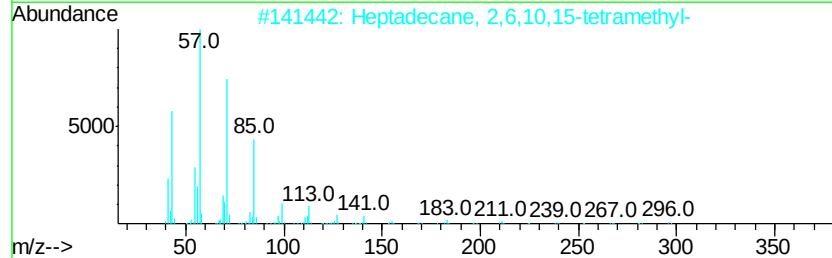
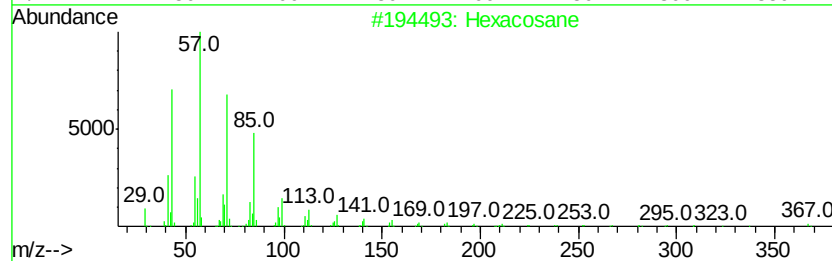
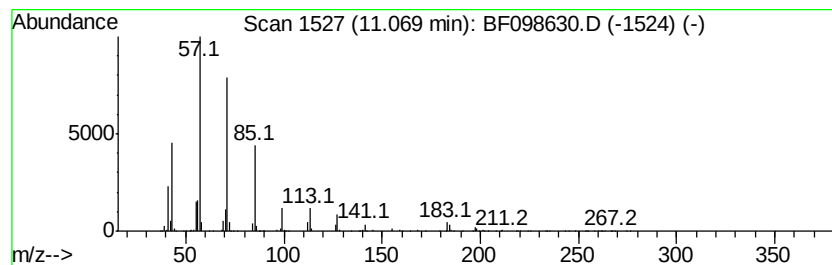
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Hexacosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	20.00 ng	5120120	Phenanthrene-d10	11.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexacosane	366	C26H54	000630-01-3	90
2		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
3		Heptadecane	240	C17H36	000629-78-7	83
4		Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	72
5		Bacchotricuneatin c	342	C20H22O5	066563-30-2	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091817\
 Data File : BF098630.D
 Acq On : 19 Sep 2017 5:01
 Operator : SJ/JU
 Sample : I5265-15 5X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-27D02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.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
unknown5.87	5.87	21.7	ng	1007990	1	6.63	929816	20.0
Undecane, 5,6-dim...	6.06	21.4	ng	993262	1	6.63	929816	20.0
Cyclohexane, 1-me...	6.37	28.8	ng	1340050	1	6.63	929816	20.0
unknown6.41	6.41	22.7	ng	1056430	1	6.63	929816	20.0
Nonane, 3,7-dimet...	6.69	26.6	ng	1239040	1	6.63	929816	20.0
Dodecane, 2,7,10-...	6.76	19.3	ng	899225	1	6.63	929816	20.0
Cyclohexane, (1-m...	6.79	50.3	ng	2340560	1	6.63	929816	20.0
4-Octene, 2,3,7-t...	6.90	32.0	ng	1485860	1	6.63	929816	20.0
Naphthalene, deca...	7.03	30.3	ng	1407720	1	6.63	929816	20.0
Cyclohexane, pentyl-	7.55	19.6	ng	4072120	2	7.93	4146960	20.0
Cyclohexane, butyl-	8.23	17.6	ng	3660150	2	7.93	4146960	20.0
Octane, 2,6-dimet...	8.37	28.3	ng	5872690	2	7.93	4146960	20.0
Cyclohexane, 1,1'...	8.85	25.8	ng	2890040	3	9.69	2244680	20.0
Hexadecane	9.43	62.7	ng	7032830	3	9.69	2244680	20.0
Naphthalene, 2-(1...	9.80	18.6	ng	2088640	3	9.69	2244680	20.0
unknown9.95	9.95	23.7	ng	2657170	3	9.69	2244680	20.0
Tridecane, 5-propyl-	10.35	48.2	ng	5407560	3	9.69	2244680	20.0
Heptadecane, 2,6-...	10.62	36.0	ng	9203530	4	11.17	5120120	20.0
Hexacosane	11.07	20.0	ng	5120120	4	11.17	5120120	20.0