

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
 Data File : BF098631.D
 Acq On : 19 Sep 2017 5:30
 Operator : SJ/JU
 Sample : I5265-04
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-18D810

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	4.816	461	464	475	rVB	257801	412092	6.03%	0.292%
2	5.245	534	537	551	rVV	2823330	3124187	45.72%	2.210%
3	6.063	670	676	678	rBV2	179972	232228	3.40%	0.164%
4	6.292	710	715	718	rBV	2976697	3263106	47.76%	2.308%
5	6.369	724	728	731	rBV2	174471	237180	3.47%	0.168%
6	6.410	731	735	738	rVV	3619438	3230604	47.28%	2.285%
7	6.634	769	773	779	rVB	968858	922962	13.51%	0.653%
8	6.692	779	783	786	rBV2	250958	295602	4.33%	0.209%
9	6.751	791	793	795	rBV	302655	264414	3.87%	0.187%
10	6.792	795	800	802	rVV	2521835	2581320	37.78%	1.826%
11	6.810	802	803	806	rVB	352999	258626	3.79%	0.183%
12	6.898	814	818	824	rVB4	246978	498619	7.30%	0.353%
13	6.987	830	833	836	rBV3	217833	276594	4.05%	0.196%
14	7.022	836	839	842	rBV2	389044	388763	5.69%	0.275%
15	7.175	857	865	867	rBV2	1019702	1382338	20.23%	0.978%
16	7.210	867	871	874	rBV2	2262577	2107853	30.85%	1.491%
17	7.287	878	884	887	rVB6	707102	1270491	18.59%	0.899%
18	7.334	887	892	893	rBV3	499744	622269	9.11%	0.440%
19	7.439	903	910	914	rVB3	1709747	2267088	33.18%	1.604%
20	7.481	914	917	922	rBV3	452774	578837	8.47%	0.409%
21	7.539	922	927	929	rBV2	1425581	2316151	33.90%	1.638%
22	7.628	940	942	946	rVB2	385050	408766	5.98%	0.289%
23	7.686	946	952	954	rBV4	669975	1120526	16.40%	0.793%
24	7.745	958	962	966	rBV	1170127	1549554	22.68%	1.096%
25	7.792	966	970	971	rBV3	426025	559204	8.18%	0.396%
26	7.828	974	976	978	rVB2	553371	415617	6.08%	0.294%
27	7.881	979	985	987	rBV2	1493677	2084363	30.50%	1.474%
28	7.910	987	990	991	rVV	1580584	1889339	27.65%	1.337%
29	7.951	994	997	999	rVV4	851410	1203258	17.61%	0.851%
30	7.975	999	1001	1002	rVV2	867326	748073	10.95%	0.529%
31	7.992	1002	1004	1006	rVV2	783445	676077	9.89%	0.478%
32	8.022	1006	1009	1016	rVB7	1108689	2695287	39.45%	1.907%
33	8.086	1016	1020	1023	rBV2	961290	1424187	20.84%	1.007%
34	8.128	1025	1027	1029	rVB2	578677	443632	6.49%	0.314%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.222	1037	1043	1045	rBV3	1909895	2749708	40.24%	1.945%
36	8.251	1045	1048	1050	rBV2	610353	568527	8.32%	0.402%
37	8.275	1050	1052	1055	rVB4	529011	535289	7.83%	0.379%
38	8.316	1056	1059	1061	rBV3	976372	916286	13.41%	0.648%
39	8.363	1061	1067	1071	rBV	4683159	6363333	93.13%	4.501%
40	8.428	1076	1078	1081	rVB4	564966	571719	8.37%	0.404%
41	8.469	1081	1085	1087	rBV2	851455	1103965	16.16%	0.781%
42	8.486	1087	1088	1091	rVB3	511244	402458	5.89%	0.285%
43	8.522	1091	1094	1099	rBV4	1280449	1926607	28.20%	1.363%
44	8.563	1099	1101	1103	rVV2	1001779	1122256	16.42%	0.794%
45	8.586	1103	1105	1107	rVV2	1058216	1057677	15.48%	0.748%
46	8.616	1107	1110	1113	rVB4	1372992	1678591	24.57%	1.187%
47	8.645	1113	1115	1117	rVB2	651368	485376	7.10%	0.343%
48	8.669	1117	1119	1120	rBV2	416407	399010	5.84%	0.282%
49	8.739	1126	1131	1137	rVB5	1431217	2411491	35.29%	1.706%
50	8.786	1137	1139	1141	rBV	804069	506325	7.41%	0.358%
51	8.810	1141	1143	1145	rVV3	670931	620276	9.08%	0.439%
52	8.839	1145	1148	1151	rVB	2916208	2757792	40.36%	1.951%
53	8.875	1151	1154	1156	rBV3	645733	860786	12.60%	0.609%
54	8.898	1156	1158	1162	rVV4	799204	859935	12.59%	0.608%
55	8.963	1164	1169	1171	rVV	4261904	4982469	72.92%	3.525%
56	9.004	1173	1176	1178	rVB	2939625	2380553	34.84%	1.684%
57	9.039	1180	1182	1184	rBV2	476398	487990	7.14%	0.345%
58	9.086	1187	1190	1191	rVV2	1147724	1345924	19.70%	0.952%
59	9.104	1191	1193	1195	rVV2	1996700	1903273	27.85%	1.346%
60	9.133	1195	1198	1200	rVV3	1313080	1676058	24.53%	1.186%
61	9.151	1200	1201	1203	rVV	1472931	1311047	19.19%	0.927%
62	9.204	1207	1210	1213	rVB3	1240127	1422584	20.82%	1.006%
63	9.257	1215	1219	1221	rBV4	1037080	1618016	23.68%	1.145%
64	9.275	1221	1222	1225	rVB	1443308	1159901	16.98%	0.821%
65	9.369	1236	1238	1240	rVB	1260295	998281	14.61%	0.706%
66	9.416	1242	1246	1248	rVB2	5171376	4903348	71.76%	3.469%
67	9.439	1248	1250	1252	rVB3	991359	749347	10.97%	0.530%
68	9.463	1252	1254	1258	rVB4	695628	723005	10.58%	0.511%
69	9.498	1258	1260	1261	rBV	510063	337886	4.94%	0.239%
70	9.539	1265	1267	1272	rVB4	631679	680435	9.96%	0.481%
71	9.586	1272	1275	1278	rBV	1324422	1305218	19.10%	0.923%

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72	9.628	1278	1282	1285	rBV3	759400	1457739	21.33%	1.031%
73	9.657	1285	1287	1288	rBV	1186226	908966	13.30%	0.643%
74	9.722	1293	1298	1301	rBV3	1396408	1648423	24.12%	1.166%
75	9.792	1307	1310	1313	rVB2	1680672	1694581	24.80%	1.199%
76	9.880	1322	1325	1330	rVB5	1721699	1846237	27.02%	1.306%
77	9.939	1330	1335	1341	rVB5	1364800	2139692	31.31%	1.514%
78	9.998	1342	1345	1348	rBV2	1377275	1440835	21.09%	1.019%
79	10.028	1348	1350	1351	rBV	430257	294292	4.31%	0.208%
80	10.169	1372	1374	1379	rVB4	876387	1255949	18.38%	0.888%
81	10.233	1379	1385	1390	rBV5	1335434	3146739	46.05%	2.226%
82	10.339	1399	1403	1406	rVB	4330529	4419837	64.68%	3.127%
83	10.422	1415	1417	1419	rBV2	481762	544033	7.96%	0.385%
84	10.469	1423	1425	1428	rVV2	1050683	1060423	15.52%	0.750%
85	10.563	1436	1441	1443	rBV3	642547	1111623	16.27%	0.786%
86	10.610	1443	1449	1452	rVB	5413006	6832889	100.00%	4.834%
87	10.669	1456	1459	1460	rBV3	621059	747129	10.93%	0.529%
88	10.727	1467	1469	1473	rBV3	547076	835608	12.23%	0.591%
89	10.910	1498	1500	1504	rBV4	510740	801991	11.74%	0.567%
90	11.069	1523	1527	1530	rVB	3528585	4073490	59.62%	2.882%
91	11.163	1541	1543	1545	rBV2	810101	851349	12.46%	0.602%
92	11.410	1582	1585	1588	rVB	1161368	1168610	17.10%	0.827%
93	12.133	1706	1708	1711	rVB2	297093	248130	3.63%	0.176%
94	12.210	1718	1721	1724	rVB	358474	333964	4.89%	0.236%
95	12.369	1745	1748	1754	rVB	568650	511956	7.49%	0.362%
96	12.592	1781	1786	1788	rBV2	371214	375722	5.50%	0.266%
97	12.733	1806	1810	1813	rVB	2250176	1933024	28.29%	1.367%
98	13.786	1984	1989	1991	rBV2	883467	958866	14.03%	0.678%
99	14.792	2156	2160	2163	rBV	185271	255942	3.75%	0.181%
100	15.180	2222	2226	2237	rVB	649416	833035	12.19%	0.589%

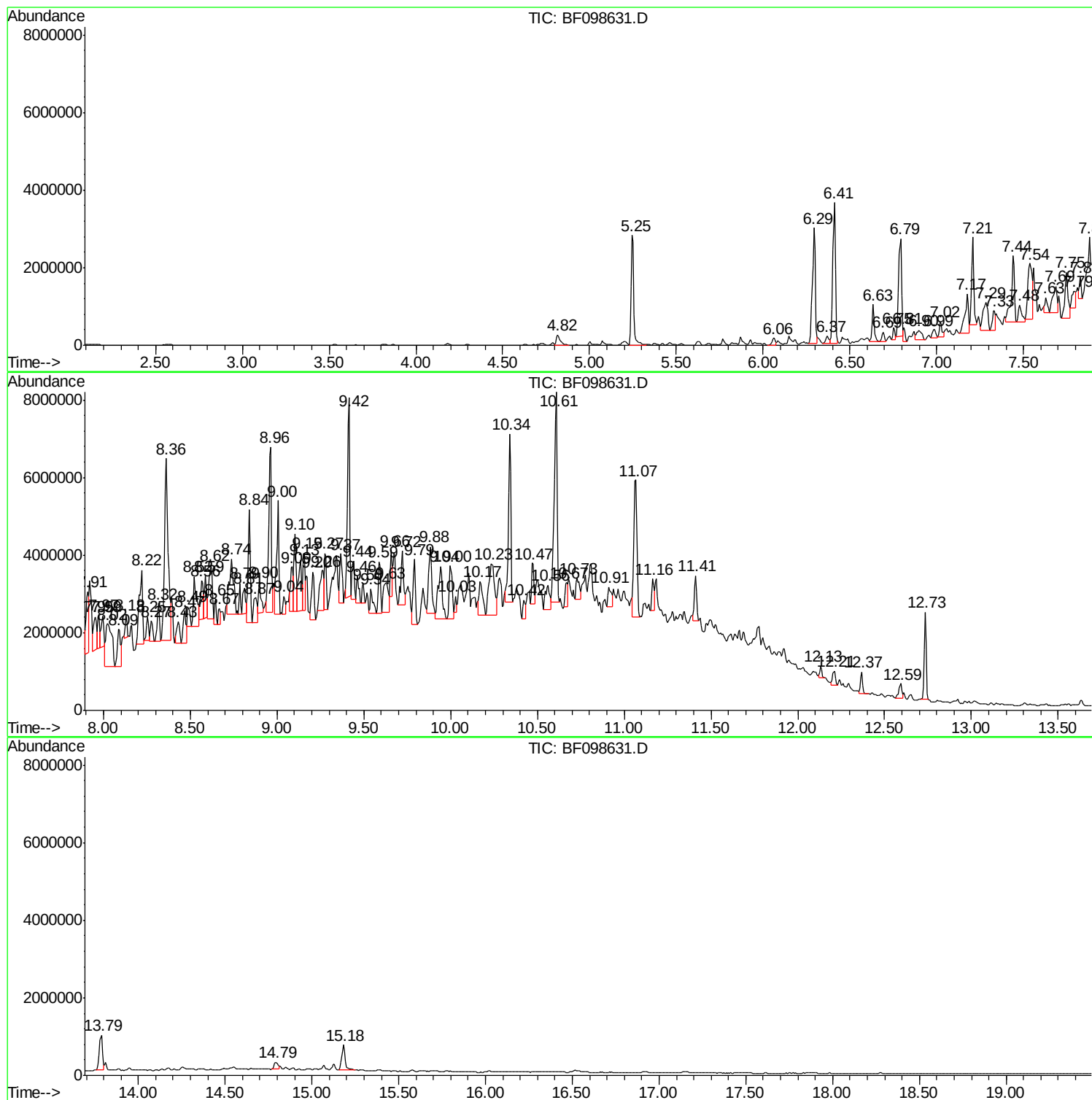
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Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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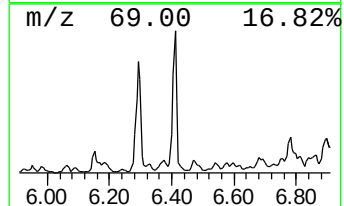
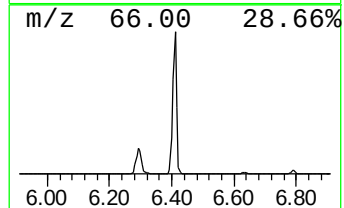
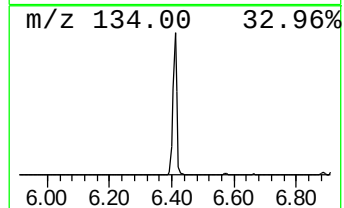
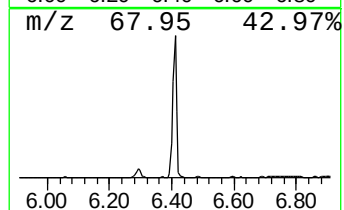
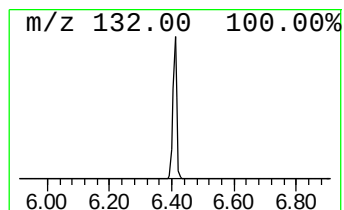
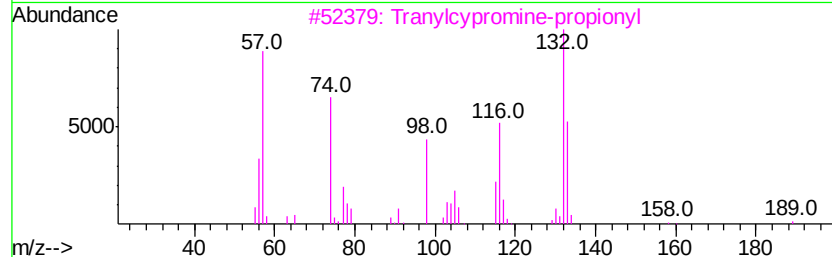
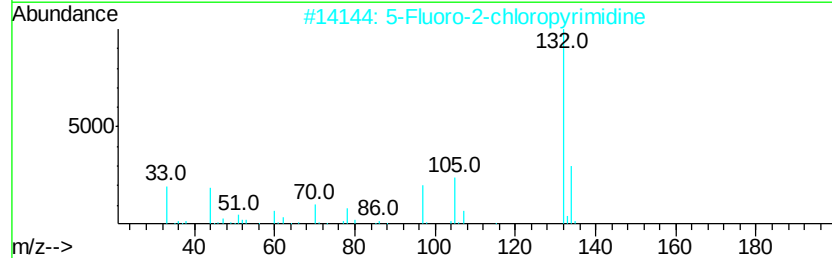
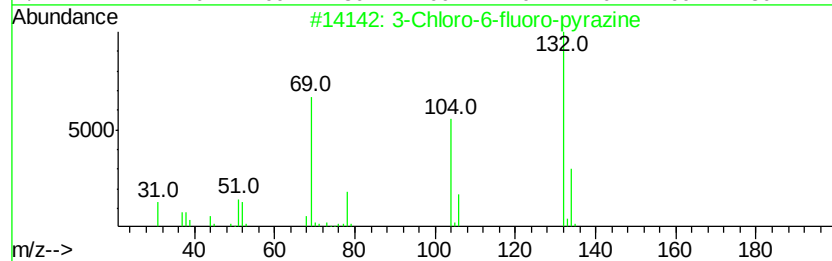
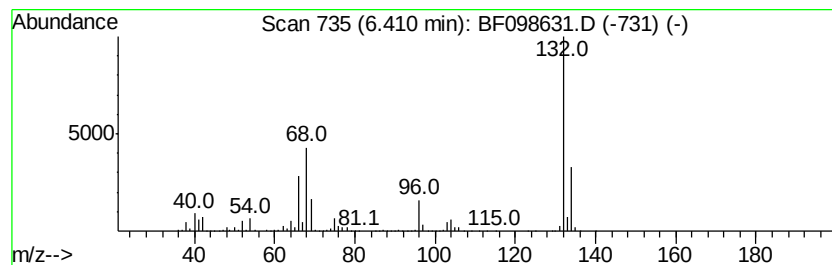
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.41 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.41	70.01 ng	3230600	1,4-Dichlorobenzene-d4	6.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	10
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9



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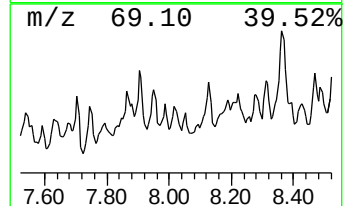
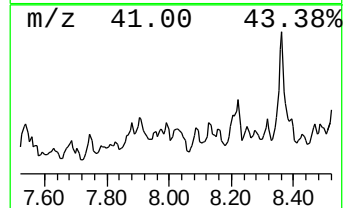
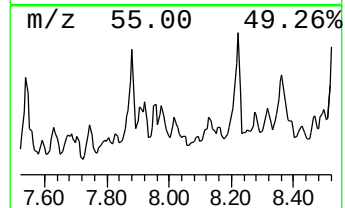
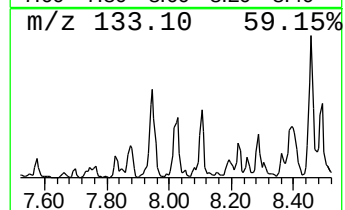
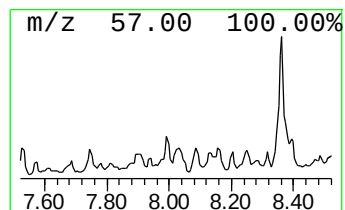
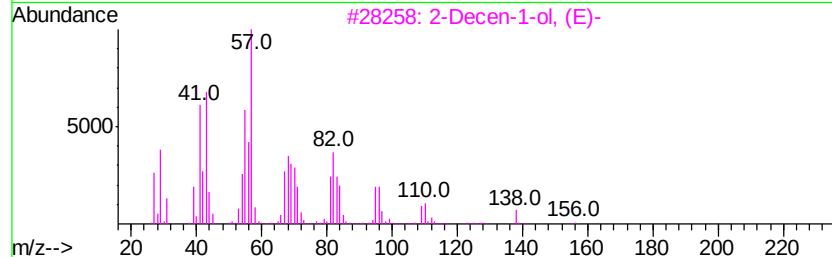
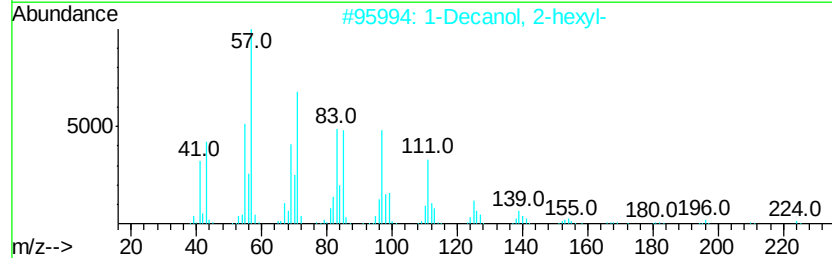
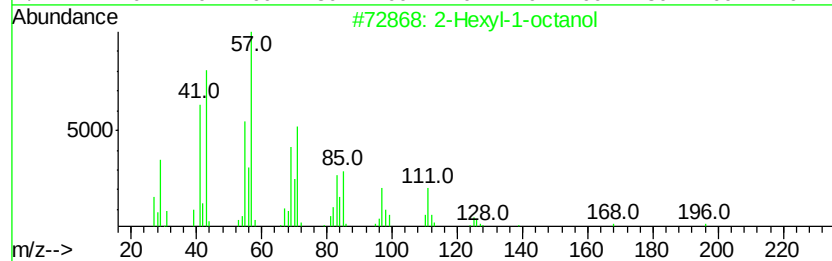
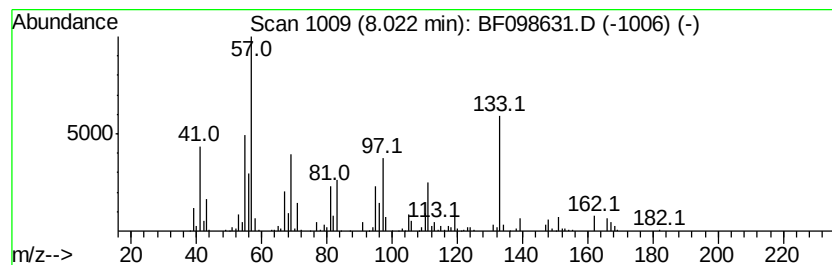
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown8.02 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.02	28.53 ng	2695290	Napthalene-d8	7.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Hexyl-1-octanol	214	C14H30O	019780-79-1	37
2		1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	32
3		2-Decen-1-ol, (E)-	156	C10H20O	018409-18-2	32
4		7-Norbornyl t-butyl ether	168	C11H20O	003391-07-9	32
5		Octatriacontyl trifluoroacetate	647	C40H77F3O2	1000351-88-7	25



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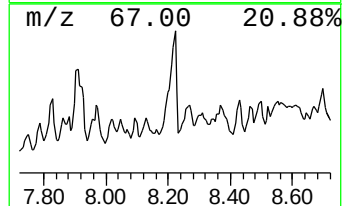
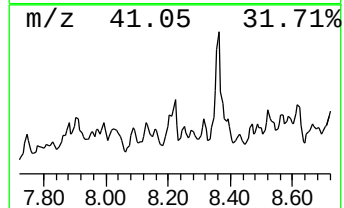
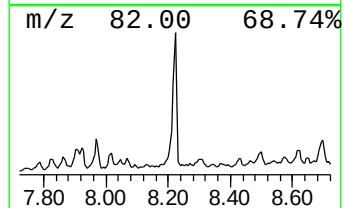
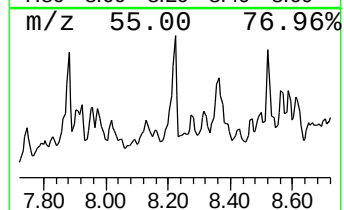
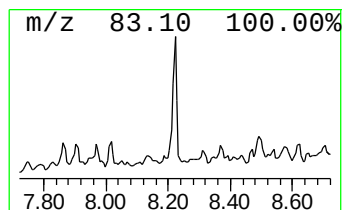
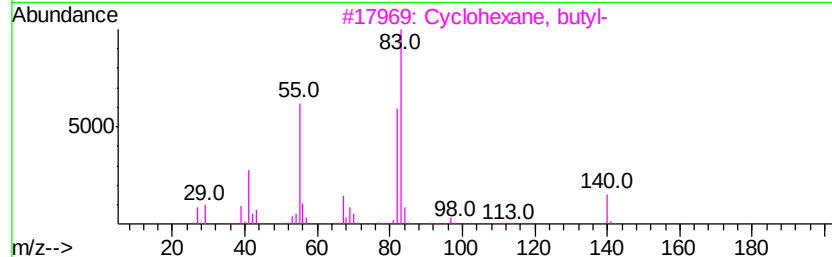
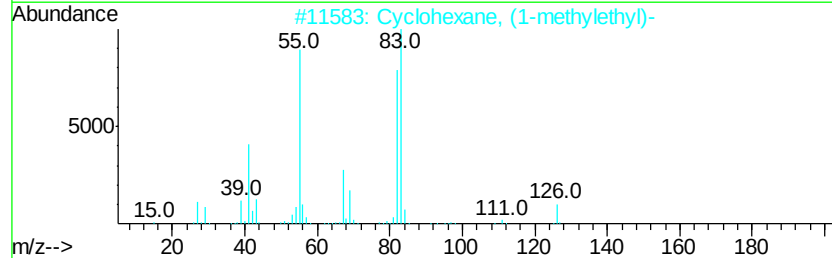
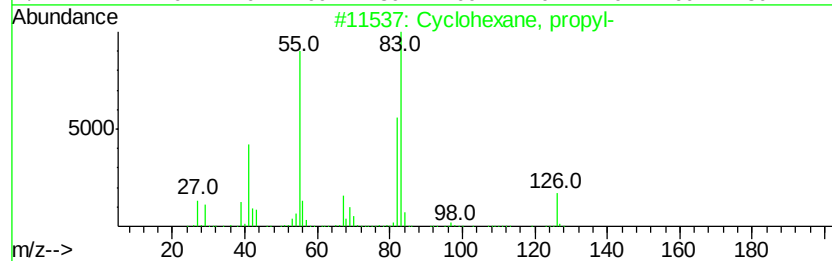
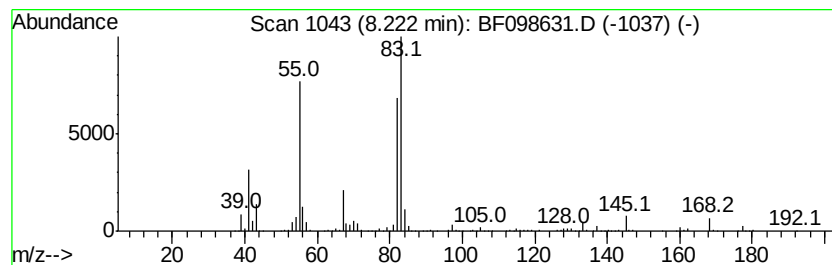
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Peak Number 4 Cyclohexane, propyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	29.11 ng	2749710	Napthalene-d8	7.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, propyl-	126	C9H18	001678-92-8	87
2		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	78
3		Cyclohexane, butyl-	140	C10H20	001678-93-9	72
4		Cyclohexane, 1,1'-(1,4-butanediol)-	222	C16H30	006165-44-2	72
5		Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
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Acq On : 19 Sep 2017 5:30
Operator : SJ/JU
Sample : I5265-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

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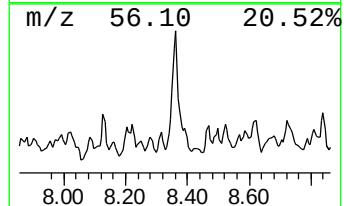
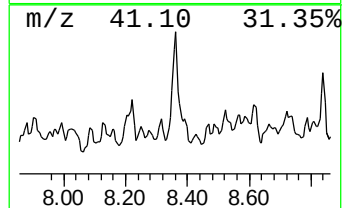
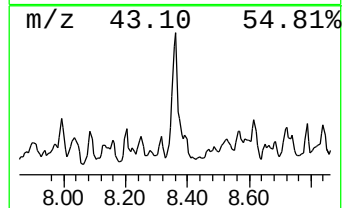
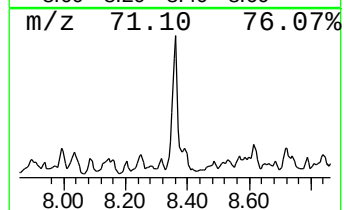
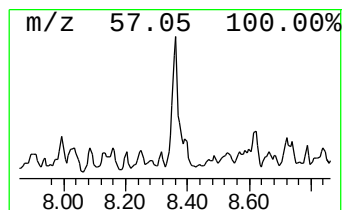
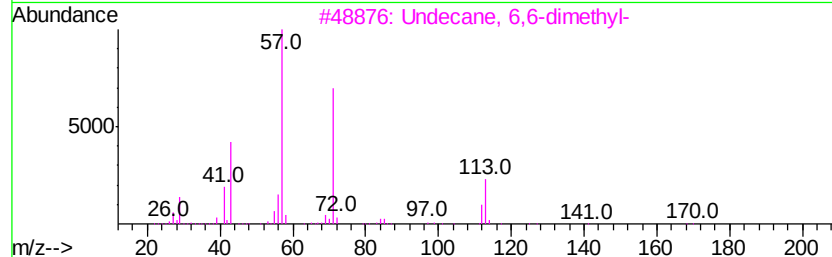
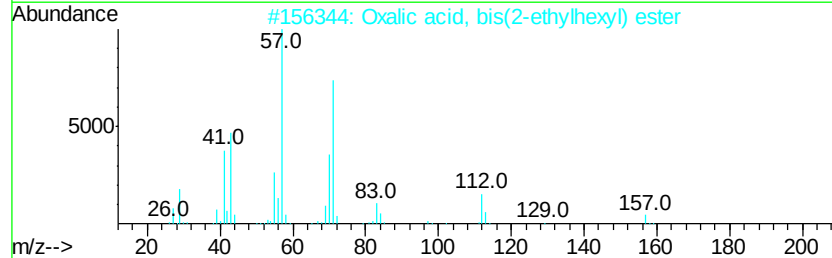
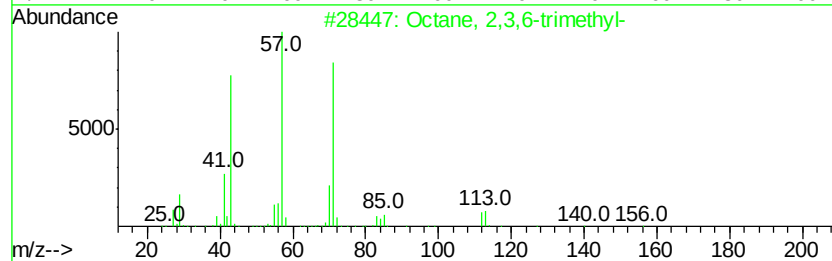
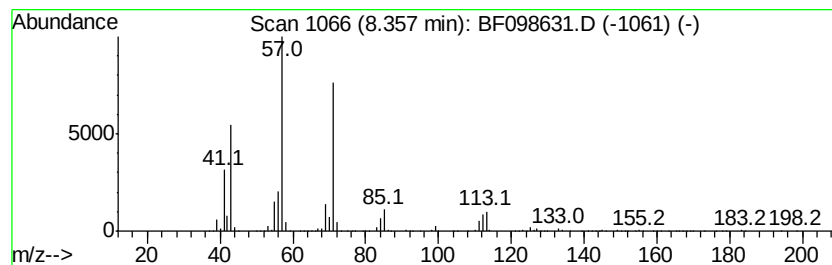
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Octane, 2,3,6-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.36	67.36 ng	6363330	Napthalene-d8	7.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	72
2		Oxalic acid, bis(2-ethylhexyl) e...	314	C18H34O4	1000309-39-0	72
3		Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	72
4		Sulfurous acid, 2-ethylhexyl tet...	390	C22H46O3S	1000309-19-7	72
5		Oxalic acid, 2-ethylhexyl nonyl ...	328	C19H36O4	1000309-39-2	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
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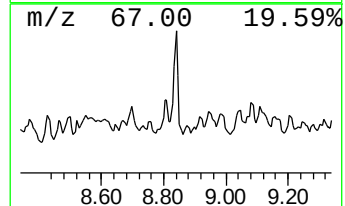
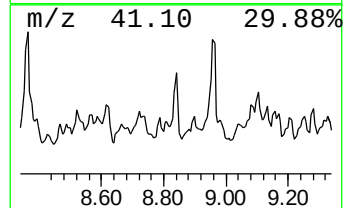
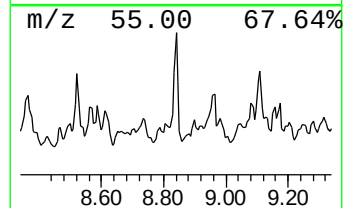
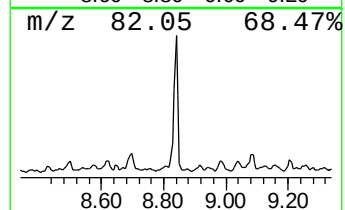
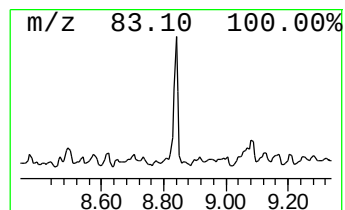
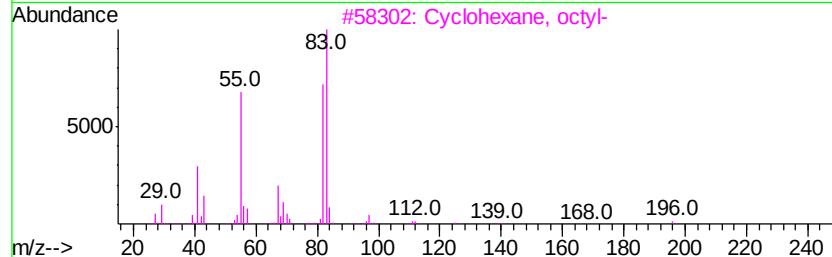
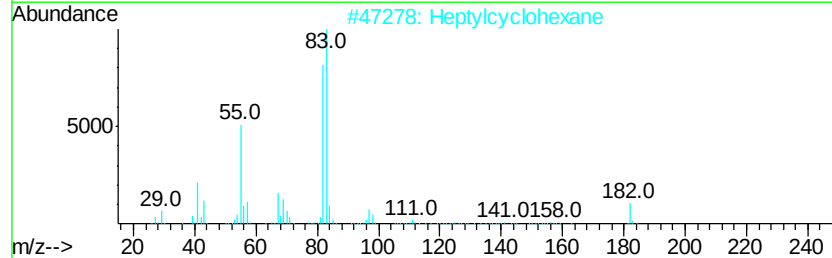
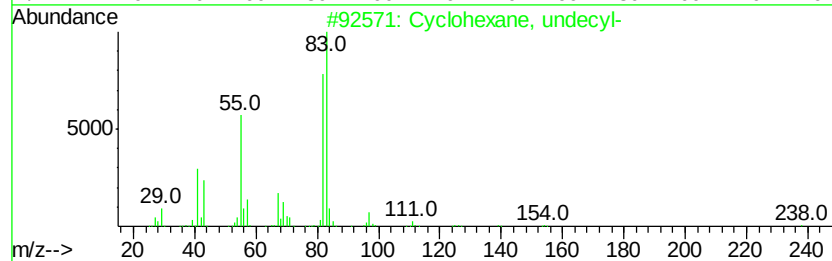
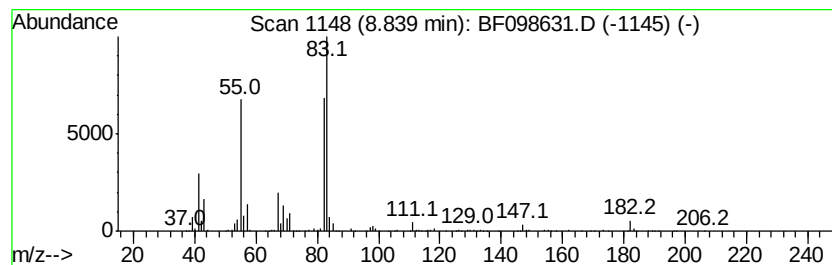
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Cyclohexane, undecyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.84	60.68 ng	2757790	Acenaphthene-d10	9.68

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, undecyl-	238	C17H34	054105-66-7	86
2		Heptylcyclohexane	182	C13H26	005617-41-4	86
3		Cyclohexane, octyl-	196	C14H28	001795-15-9	80
4		Cyclohexane, eicosyl-	364	C26H52	004443-55-4	80
5		n-Pentadecylcyclohexane	294	C21H42	006006-95-7	78



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091817\
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Acq On : 19 Sep 2017 5:30
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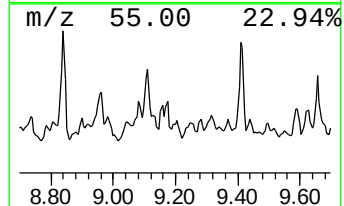
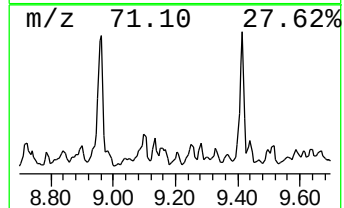
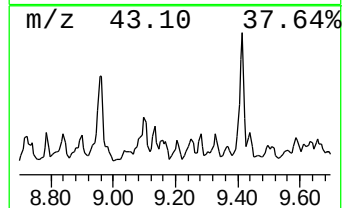
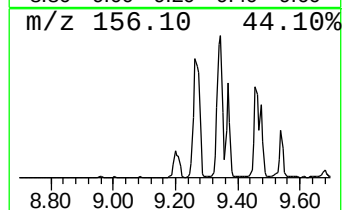
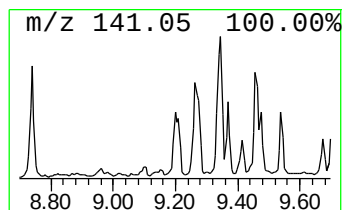
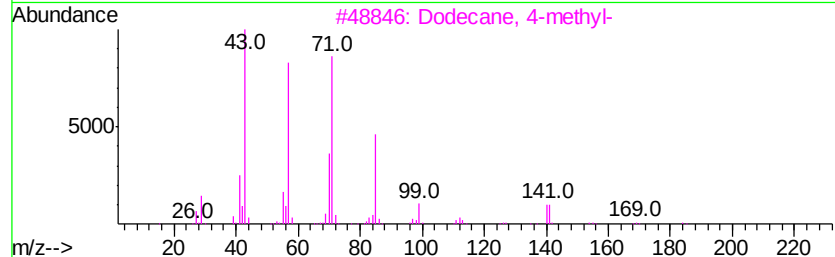
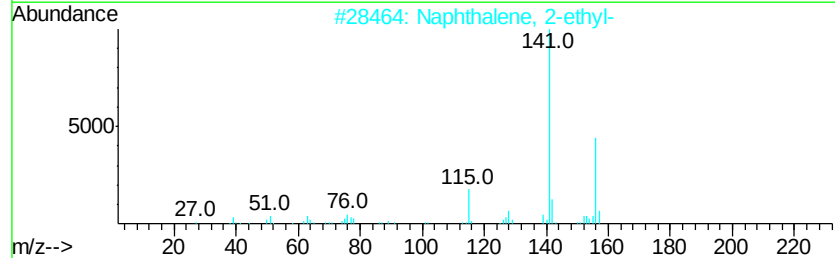
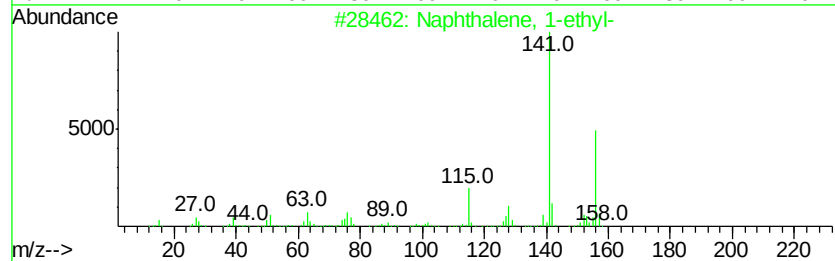
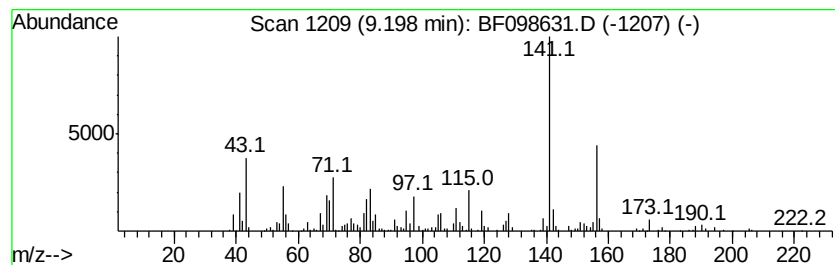
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown9.20 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.20	31.30 ng	1422580	Acenaphthene-d10	9.68

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	45
2		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	44
3		Dodecane, 4-methyl-	184	C13H28	006117-97-1	38
4		Decane	142	C10H22	000124-18-5	35
5		Undecane	156	C11H24	001120-21-4	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091817\
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Acq On : 19 Sep 2017 5:30
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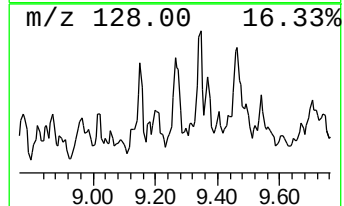
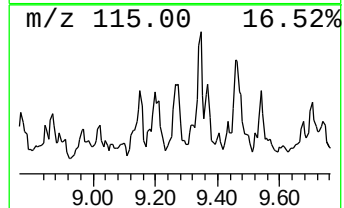
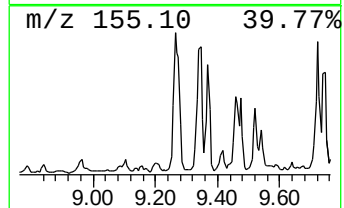
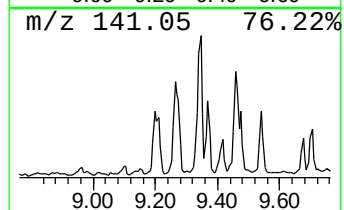
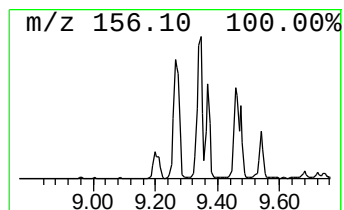
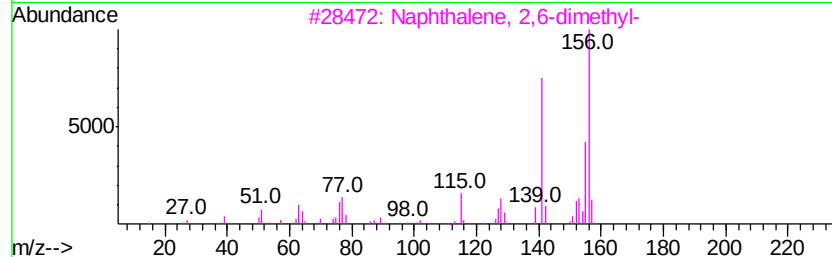
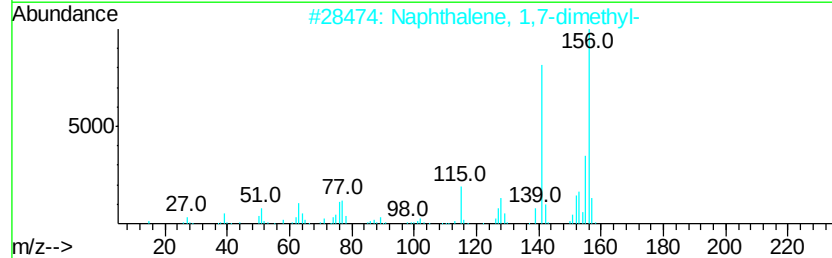
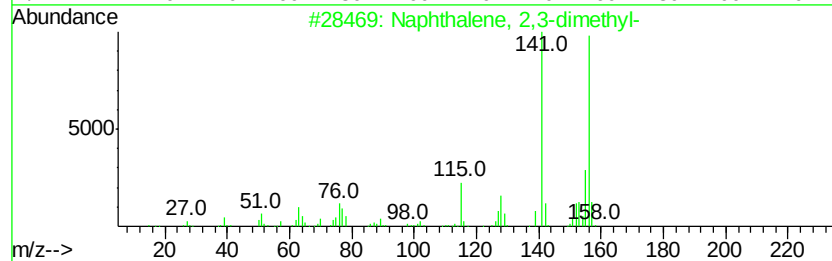
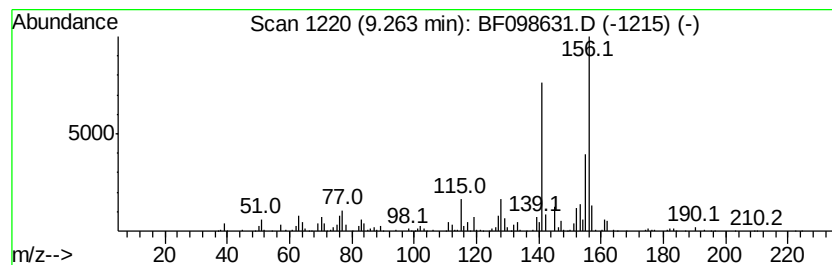
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.26	35.60 ng	1618020	Acenaphthene-d10	9.68

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95



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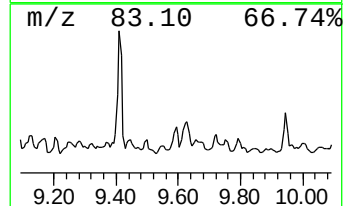
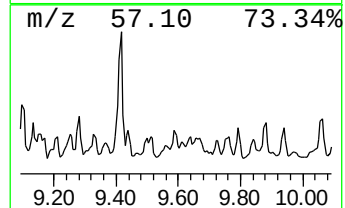
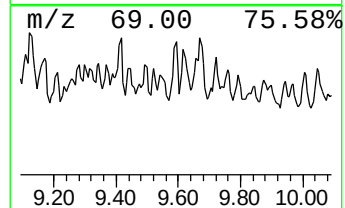
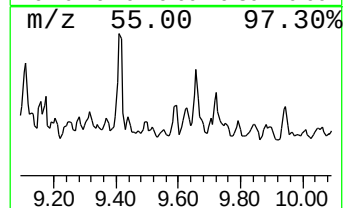
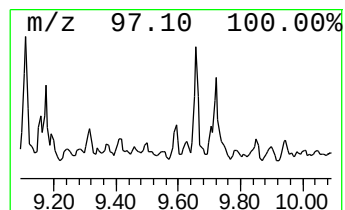
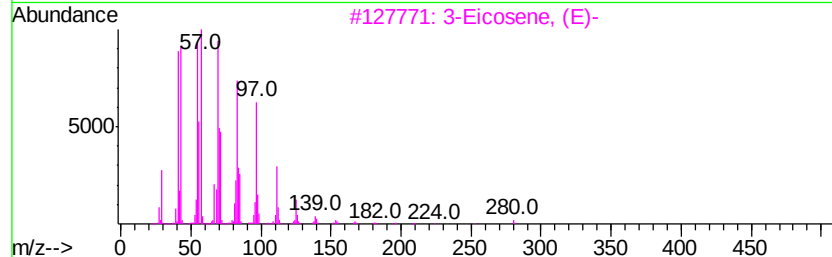
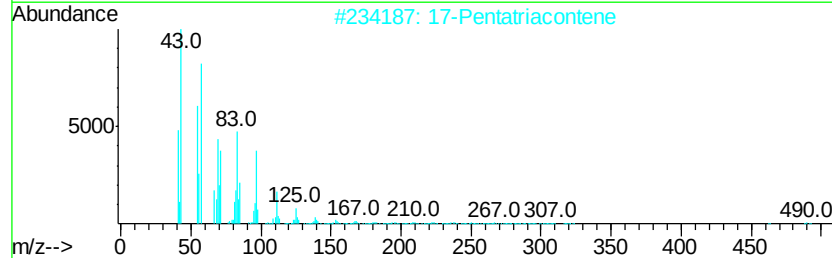
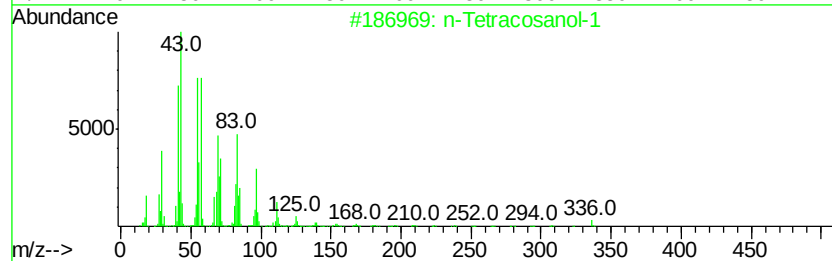
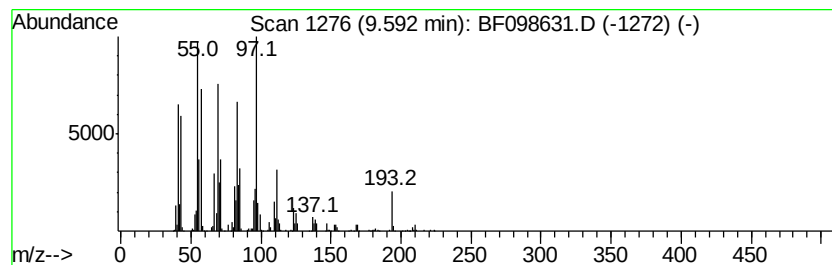
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown9.59 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.59	28.72 ng	1305220	Acenaphthene-d10	9.68

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Tetracosanol-1	354	C24H50O	000506-51-4	38
2		17-Pentatriacontene	491	C35H70	006971-40-0	38
3		3-Eicosene, (E)-	280	C20H40	074685-33-9	30
4		Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	30
5		5-Eicosene, (E)-	280	C20H40	074685-30-6	30



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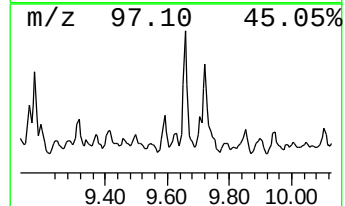
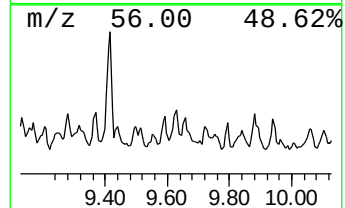
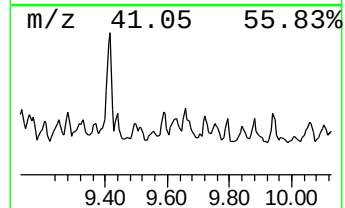
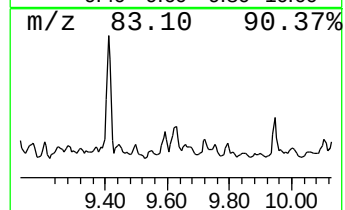
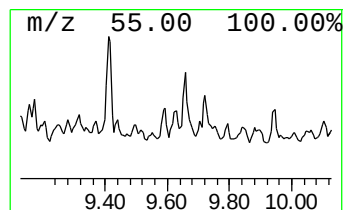
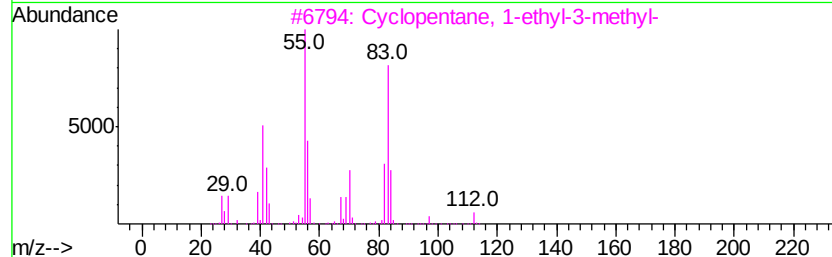
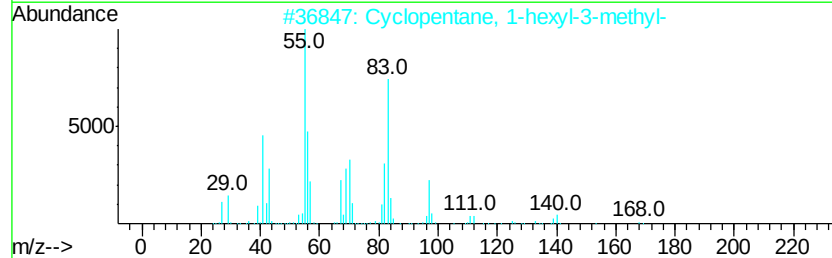
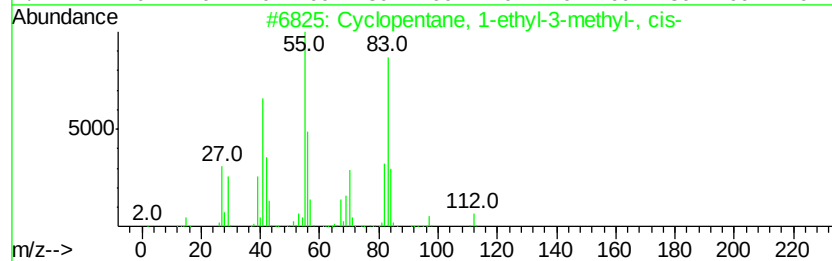
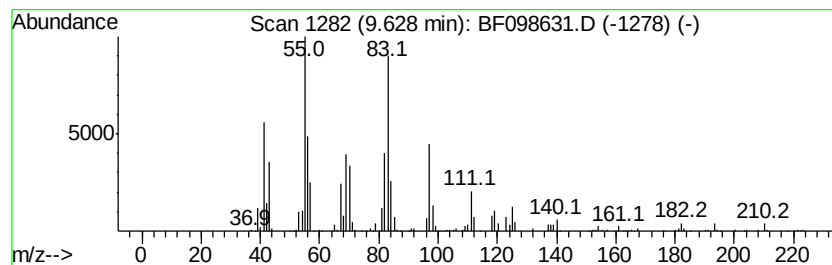
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Cyclopentane, 1-ethyl-3-met... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	32.07 ng	1457740	Acenaphthene-d10	9.68

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	58
2		Cyclopentane, 1-hexyl-3-methyl-	168	C12H24	061142-68-5	58
3		Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	58
4		5-Eicosene, (E)-	280	C20H40	074685-30-6	52
5		Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	52



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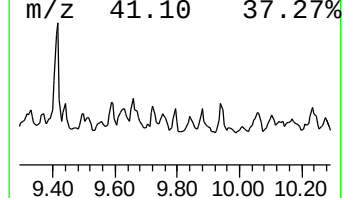
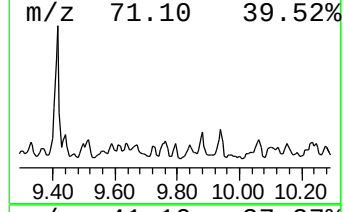
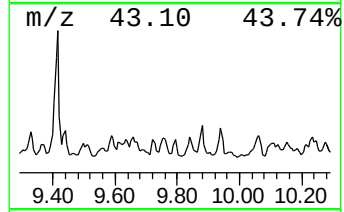
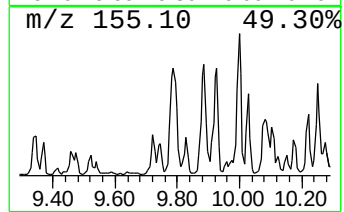
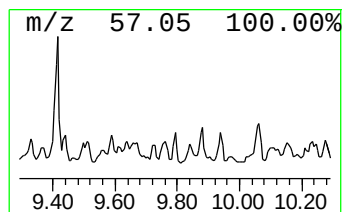
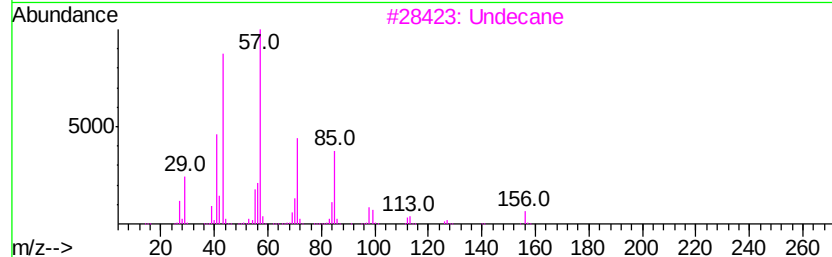
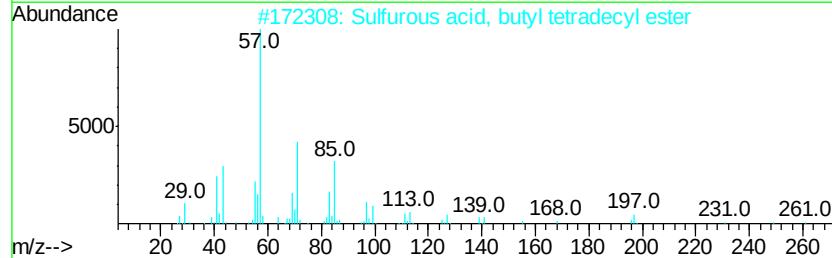
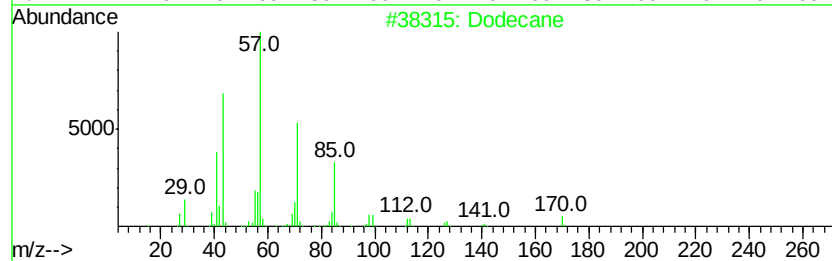
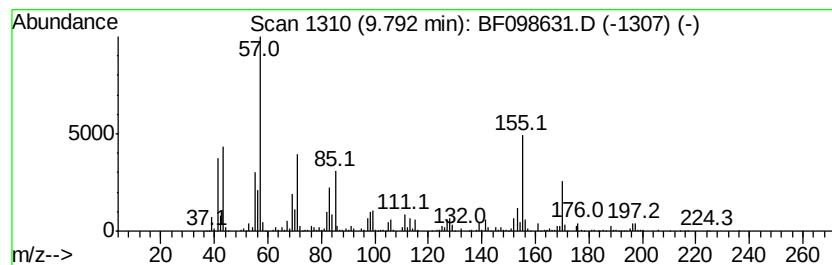
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Dodecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.79	37.29 ng	1694580	Acenaphthene-d10	9.68

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	55
2		Sulfurous acid, butyl tetradecyl...	334	C18H38O3S	1000309-18-1	49
3		Undecane	156	C11H24	001120-21-4	46
4		Sulfurous acid, butyl pentadecyl...	348	C19H40O3S	1000309-18-2	43
5		Sulfurous acid, butyl heptadecyl...	376	C21H44O3S	1000309-18-4	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091817\
Data File : BF098631.D
Acq On : 19 Sep 2017 5:30
Operator : SJ/JU
Sample : I5265-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

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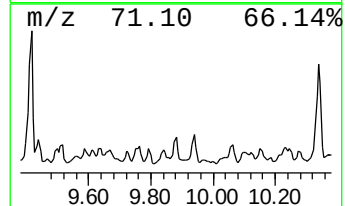
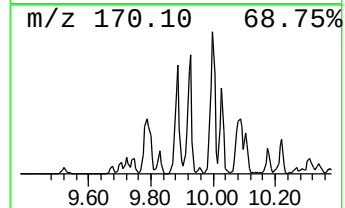
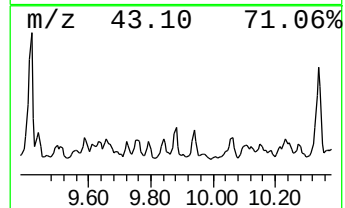
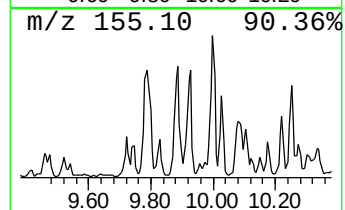
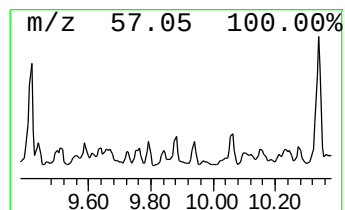
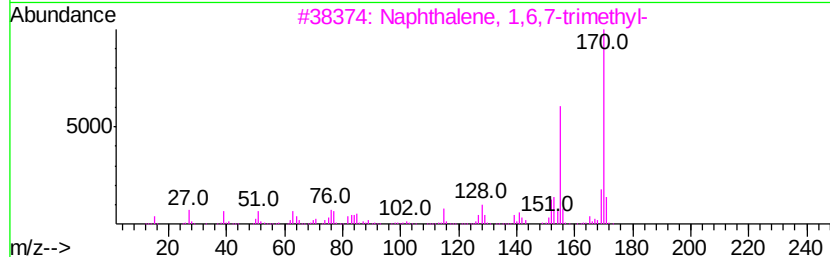
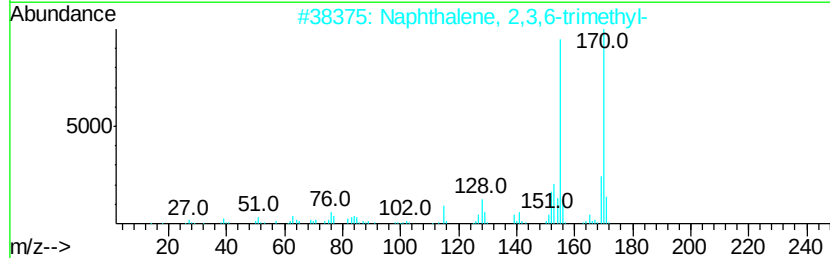
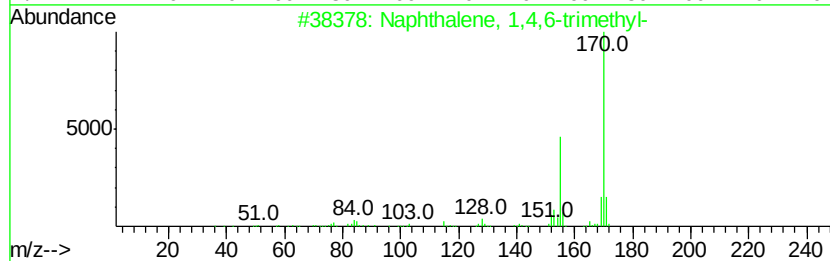
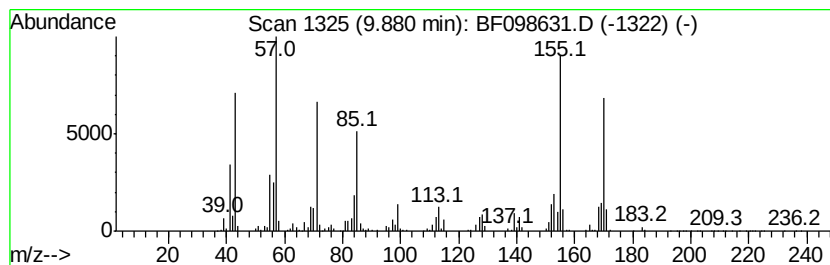
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 1,4,6-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.88	40.62 ng	1846240	Acenaphthene-d10	9.68

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
2		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	83
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	83
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	64
5		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	64



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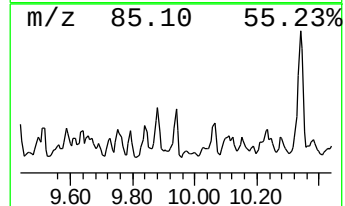
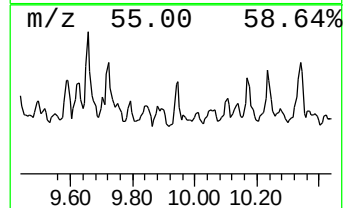
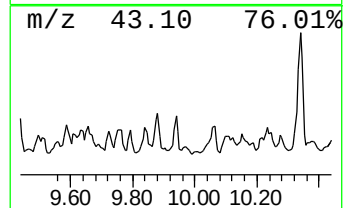
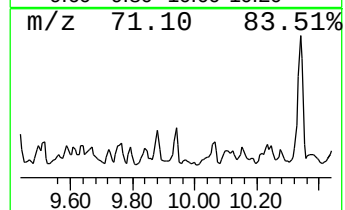
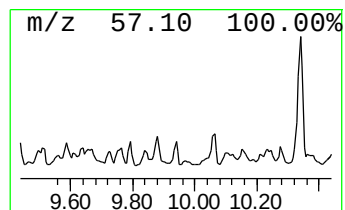
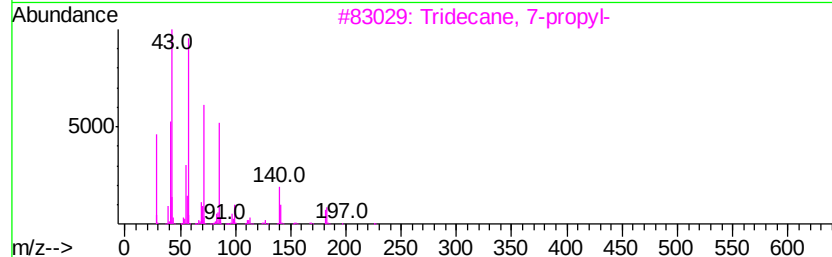
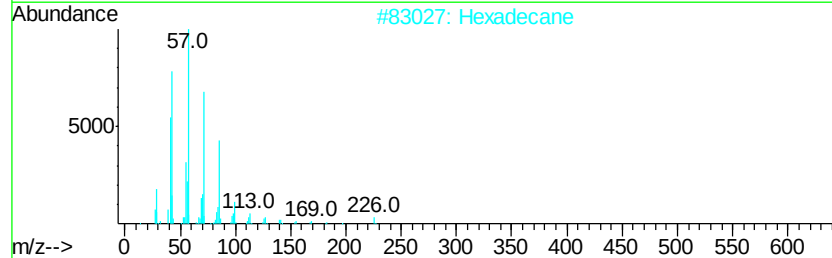
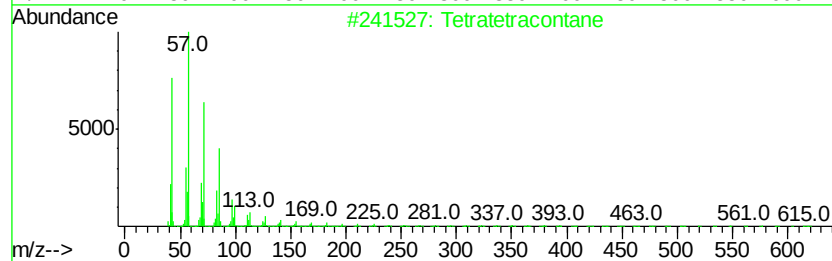
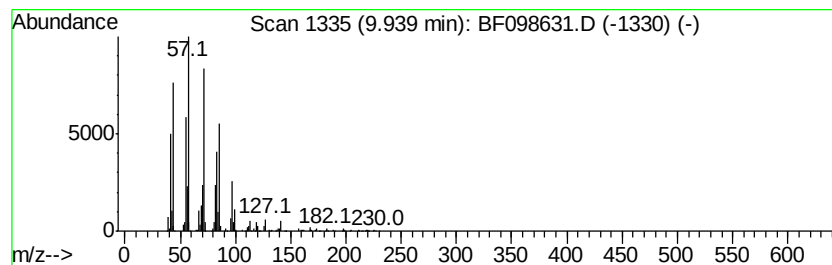
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Tetratetracontane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.94	47.08 ng	2139690	Acenaphthene-d10	9.68

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetratetracontane	619	C44H90	007098-22-8	59
2		Hexadecane	226	C16H34	000544-76-3	58
3		Tridecane, 7-propyl-	226	C16H34	055045-09-5	50
4		Decane, 2,3,5,8-tetramethyl-	198	C14H30	192823-15-7	49
5		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091817\
Data File : BF098631.D
Acq On : 19 Sep 2017 5:30
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Sample : I5265-04
Misc :
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ClientSampleId :
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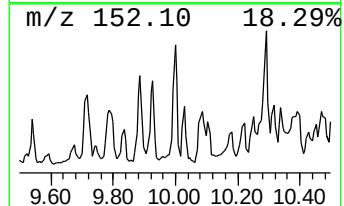
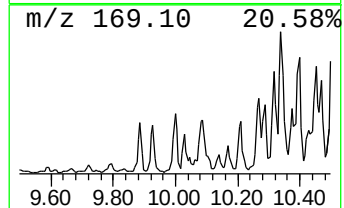
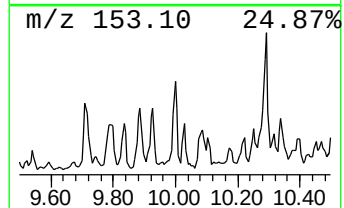
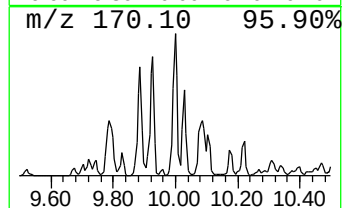
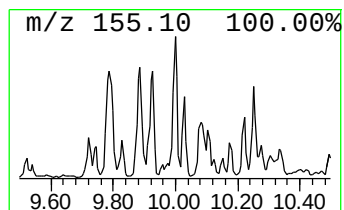
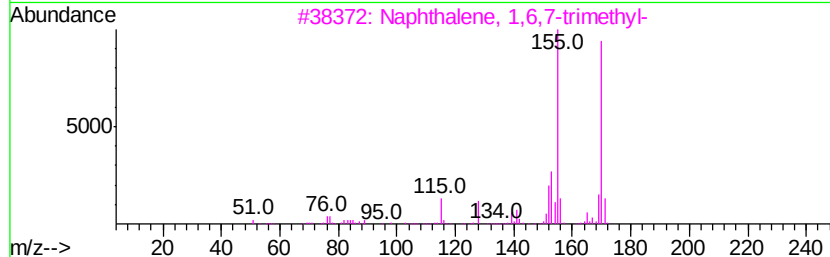
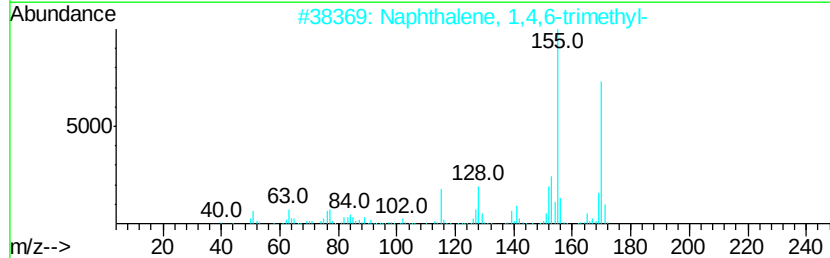
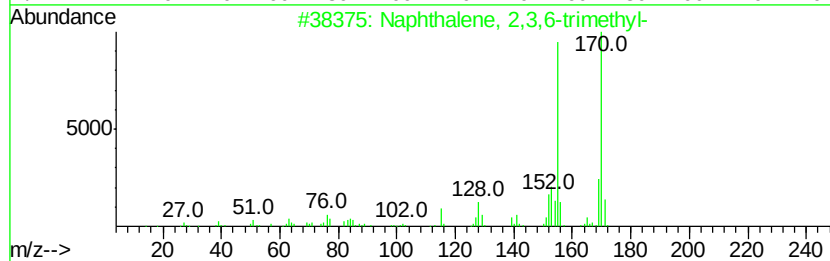
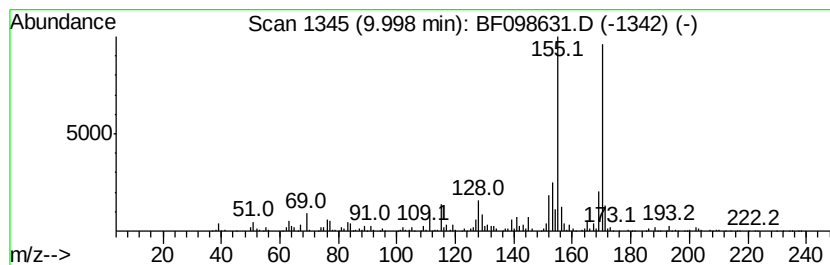
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Naphthalene, 2,3,6-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.00	31.70 ng	1440840	Acenaphthene-d10	9.68

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
3			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4			1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	93
5			4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
Data File : BF098631.D
Acq On : 19 Sep 2017 5:30
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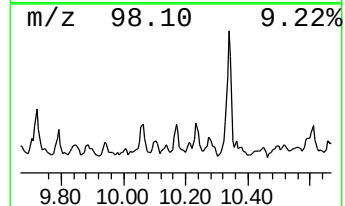
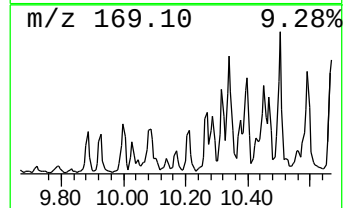
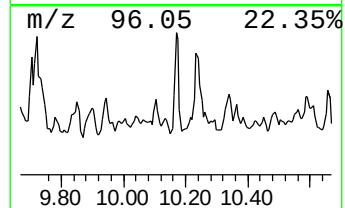
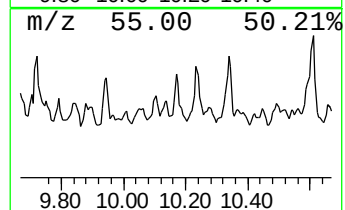
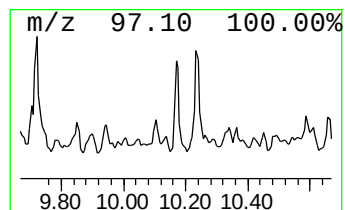
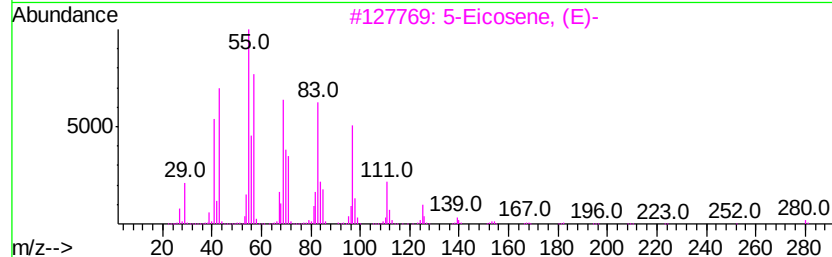
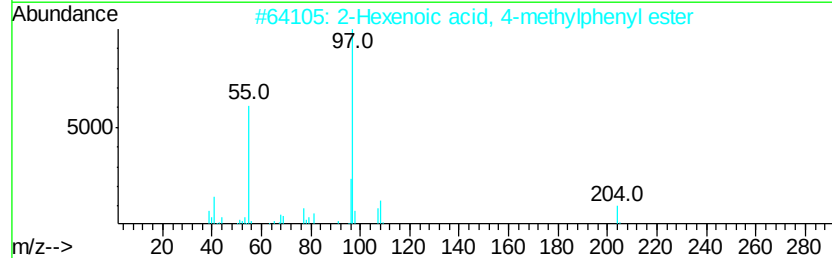
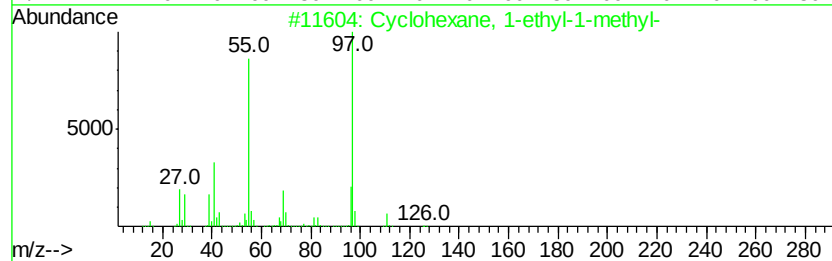
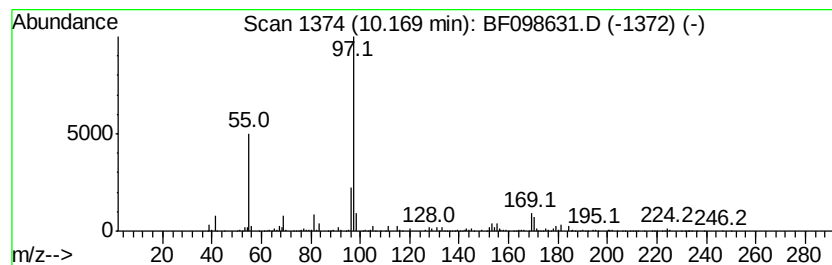
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Cyclohexane, 1-ethyl-1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	27.63 ng	1255950	Acenaphthene-d10	9.68

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	59
2			2-Hexenoic acid, 4-methylphenyl ...	204	C13H16O2	069687-91-8	59
3			5-Eicosene, (E)-	280	C20H40	074685-30-6	53
4			Cyclohexane, 1-bromo-3-methyl-	176	C7H13Br	013905-48-1	47
5			Succinic acid, di(2-methylcycloh...	310	C18H30O4	1000329-83-0	45



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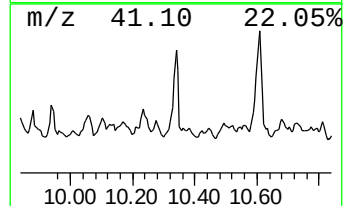
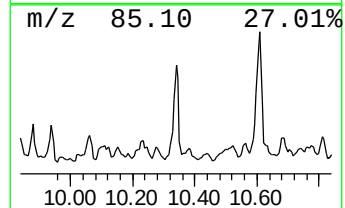
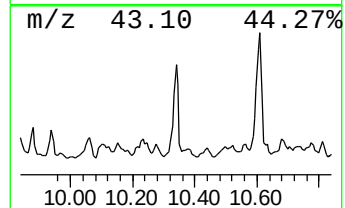
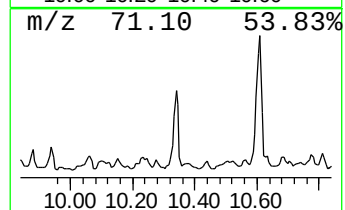
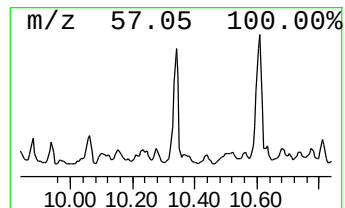
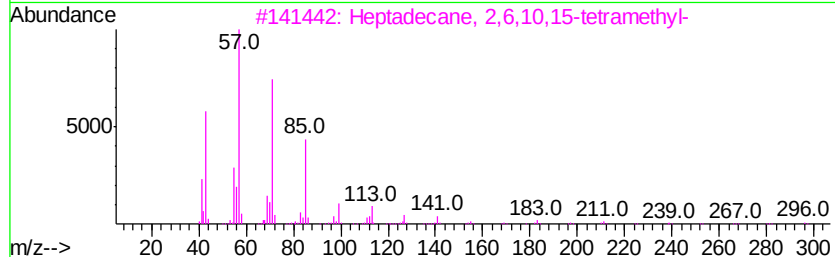
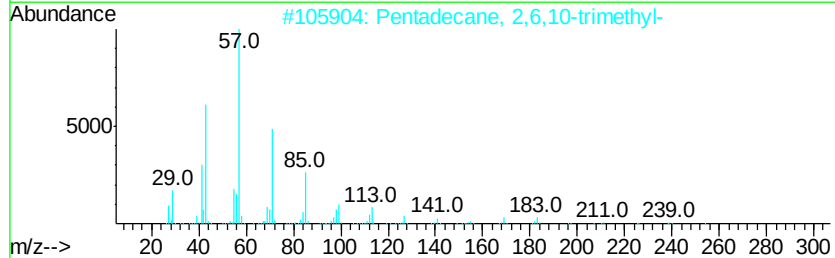
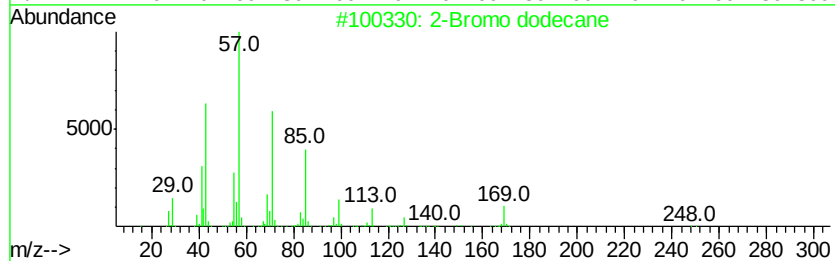
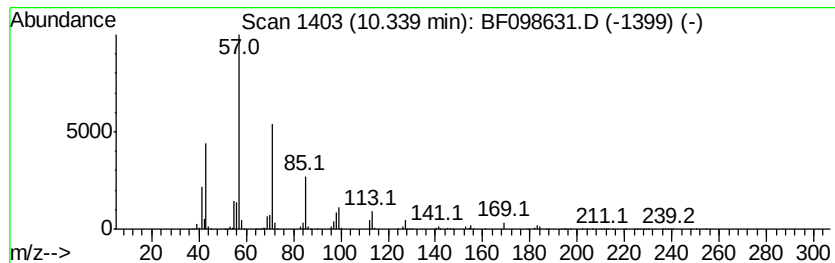
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 2-Bromo dodecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.34	97.25 ng	4419840	Acenaphthene-d10	9.68
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2-Bromo dodecane	248 C12H25Br	013187-99-0	90
2	Pentadecane, 2,6,10-trimethyl-	254 C18H38	003892-00-0	90
3	Heptadecane, 2,6,10,15-tetramethyl-	296 C21H44	054833-48-6	80
4	Tridecane, 5-propyl-	226 C16H34	055045-11-9	74
5	Tridecane, 6-methyl-	198 C14H30	013287-21-3	64



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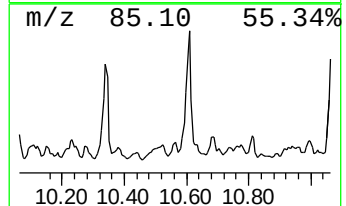
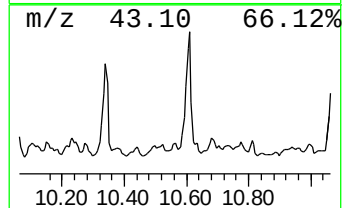
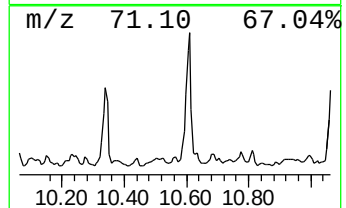
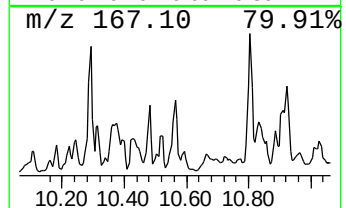
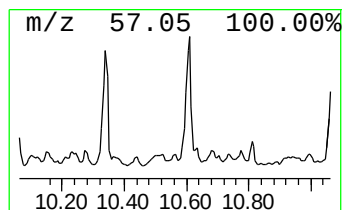
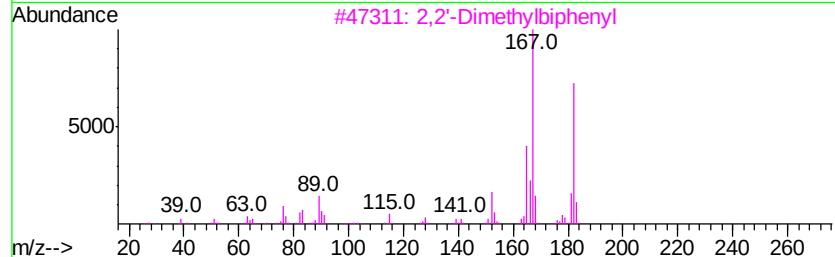
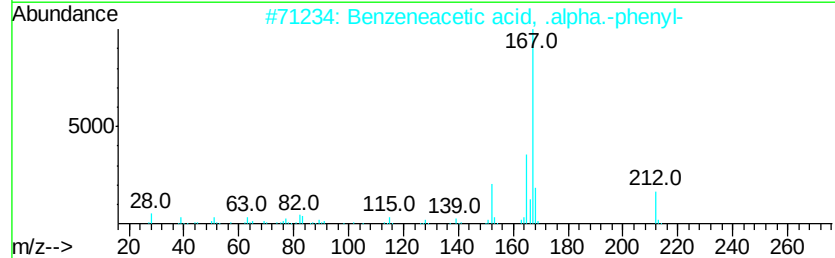
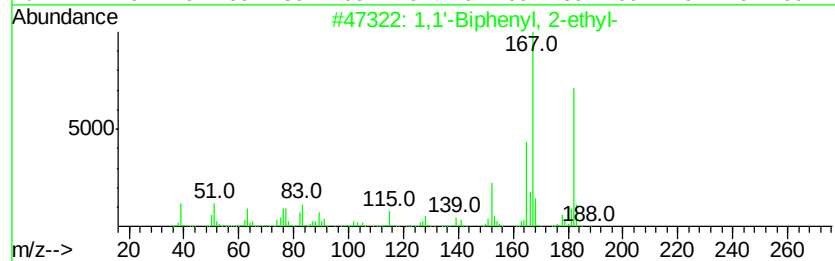
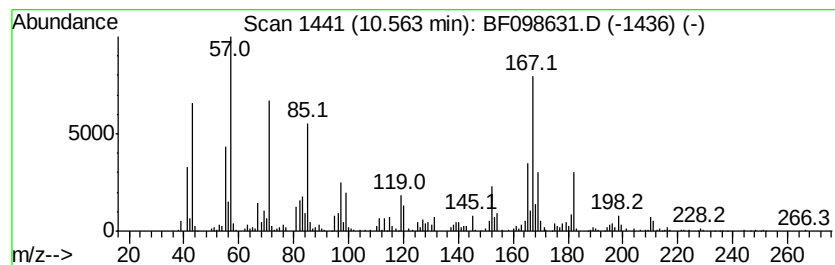
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 1,1'-Biphenyl, 2-ethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	26.11 ng	1111620	Phenanthrene-d10	11.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	64
2		Benzeneacetic acid, .alpha.-phenyl-	212	C14H12O2	000117-34-0	49
3		2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	45
4		2-Bromo dodecane	248	C12H25Br	013187-99-0	38
5		Benzene, 1,1'-ethylenedibis-	182	C14H14	000612-00-0	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091817\
Data File : BF098631.D
Acq On : 19 Sep 2017 5:30
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Sample : I5265-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

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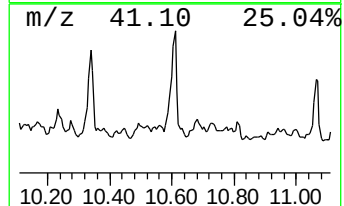
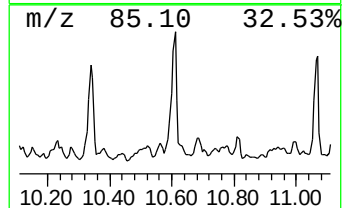
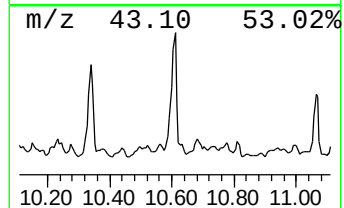
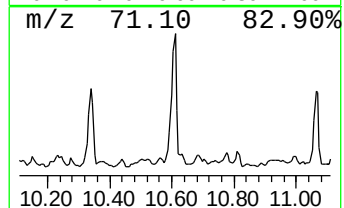
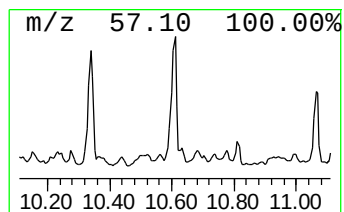
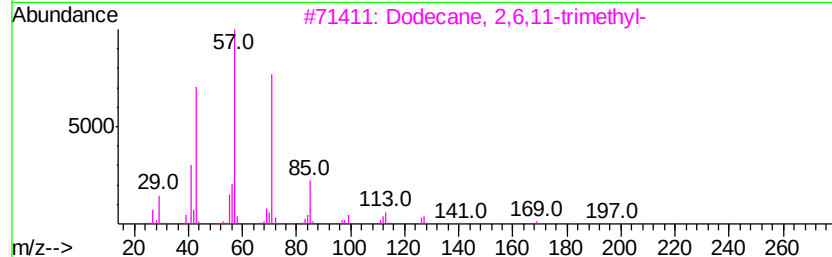
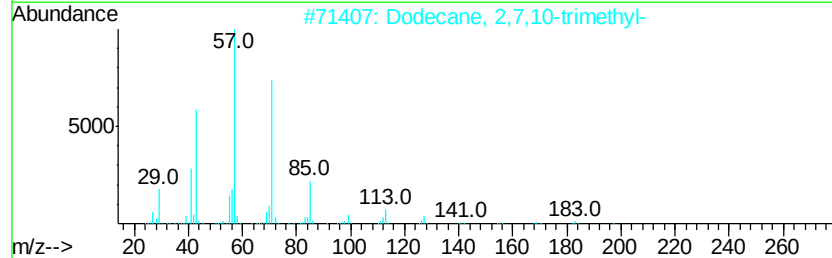
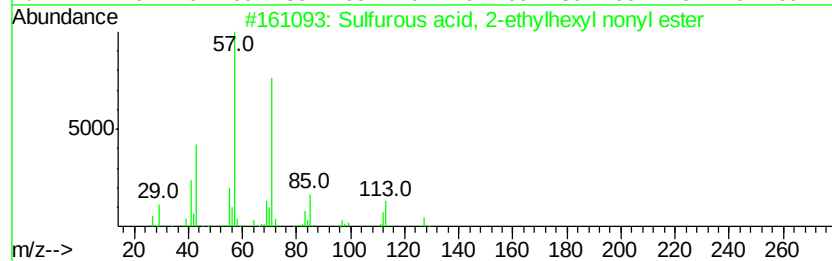
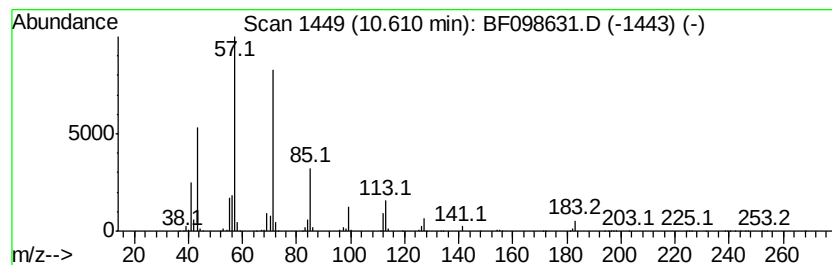
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Sulfurous acid, 2-ethylhexy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.61	160.52 ng	6832890	Phenanthrene-d10	11.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	72
2		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
3		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64
4		Bacchotricuneatin c	342	C20H22O5	066563-30-2	58
5		Heptane, 3,3-dimethyl-	128	C9H20	004032-86-4	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
Data File : BF098631.D
Acq On : 19 Sep 2017 5:30
Operator : SJ/JU
Sample : I5265-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-18D810

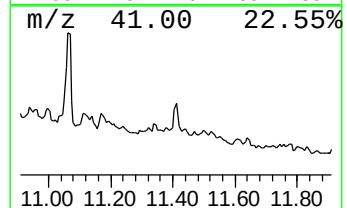
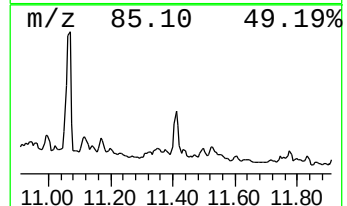
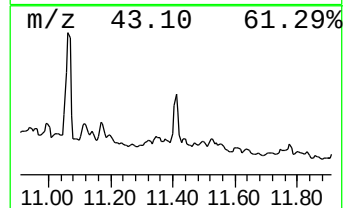
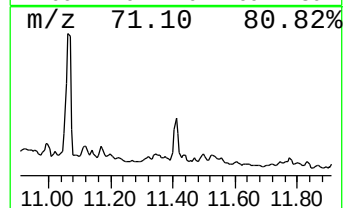
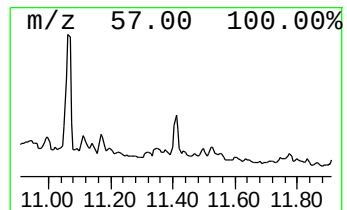
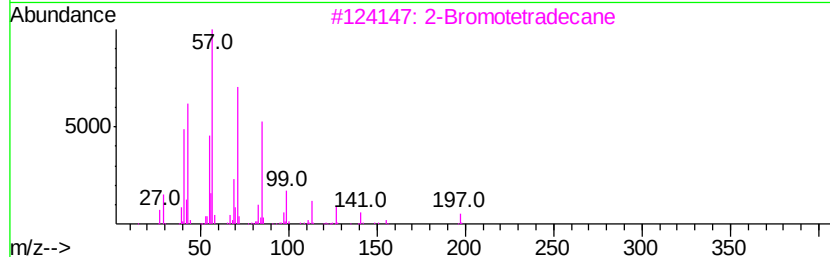
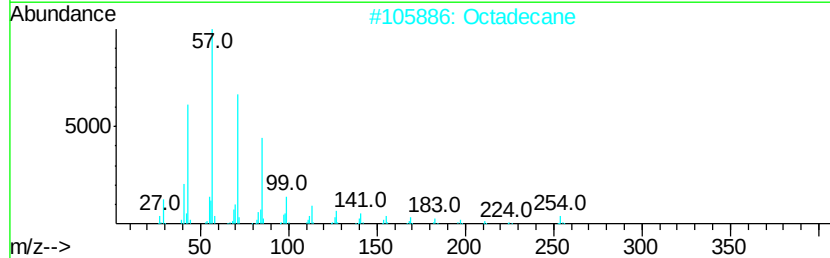
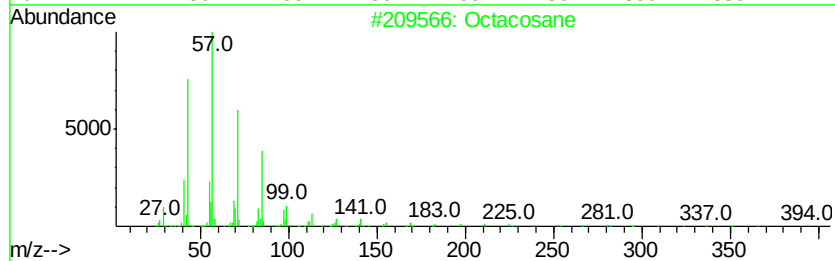
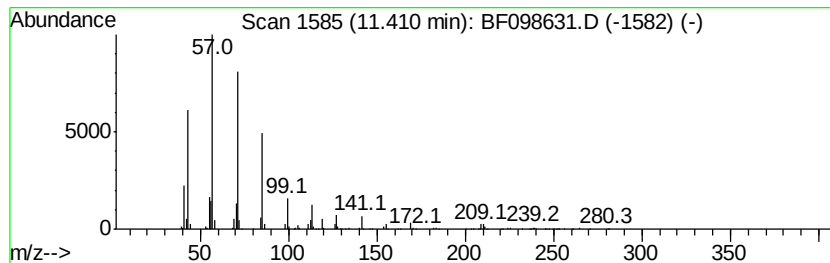
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Octacosane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	27.45 ng	1168610	Phenanthrene-d10	11.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	90
2		Octadecane	254	C18H38	000593-45-3	90
3		2-Bromotetradecane	276	C14H29Br	074036-95-6	87
4		Hentriacontane	437	C31H64	000630-04-6	86
5		2-Bromo dodecane	248	C12H25Br	013187-99-0	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091817\
 Data File : BF098631.D
 Acq On : 19 Sep 2017 5:30
 Operator : SJ/JU
 Sample : I5265-04
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-18D810

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
unknown6.41	6.41	70.0	ng	3230600	1	6.63	922962	20.0
unknown8.02	8.02	28.5	ng	2695290	2	7.92	1889340	20.0
Cyclohexane, propyl-	8.22	29.1	ng	2749710	2	7.92	1889340	20.0
Octane, 2,3,6-tri...	8.36	67.4	ng	6363330	2	7.92	1889340	20.0
Cyclohexane, unde...	8.84	60.7	ng	2757790	3	9.68	908966	20.0
unknown9.20	9.20	31.3	ng	1422580	3	9.68	908966	20.0
Naphthalene, 2,3-...	9.26	35.6	ng	1618020	3	9.68	908966	20.0
unknown9.59	9.59	28.7	ng	1305220	3	9.68	908966	20.0
Cyclopentane, 1-e...	9.63	32.1	ng	1457740	3	9.68	908966	20.0
Dodecane	9.79	37.3	ng	1694580	3	9.68	908966	20.0
Naphthalene, 1,4,...	9.88	40.6	ng	1846240	3	9.68	908966	20.0
Tetratetracontane	9.94	47.1	ng	2139690	3	9.68	908966	20.0
Naphthalene, 2,3,...	10.00	31.7	ng	1440840	3	9.68	908966	20.0
Cyclohexane, 1-et...	10.17	27.6	ng	1255950	3	9.68	908966	20.0
2-Bromo dodecane	10.34	97.3	ng	4419840	3	9.68	908966	20.0
1,1'-Biphenyl, 2-...	10.56	26.1	ng	1111620	4	11.16	851349	20.0
Sulfurous acid, 2...	10.61	160.5	ng	6832890	4	11.16	851349	20.0
Octacosane	11.41	27.4	ng	1168610	4	11.16	851349	20.0