

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
 Data File : BF098709.D
 Acq On : 22 Sep 2017 21:17
 Operator : SJ/JU
 Sample : I5331-04 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-092017-B

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-BF092117.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	5.534	582	586	589	rBV	762613	696899	37.66%	1.529%
2	6.175	690	695	702	rBV3	125969	222393	12.02%	0.488%
3	6.369	723	728	730	rBV3	83076	120805	6.53%	0.265%
4	6.422	735	737	740	rVB	161192	130729	7.07%	0.287%
5	6.457	740	743	745	rBV	354580	342009	18.48%	0.750%
6	6.516	750	753	754	rBV	198699	201368	10.88%	0.442%
7	6.534	754	756	761	rVB2	936189	744136	40.22%	1.633%
8	6.610	766	769	772	rBV	143419	156687	8.47%	0.344%
9	6.687	774	782	790	rBV2	818826	1025484	55.42%	2.250%
10	6.757	790	794	798	rBV2	1240548	1239233	66.97%	2.719%
11	6.863	806	812	814	rBV4	75916	125332	6.77%	0.275%
12	6.928	818	823	826	rVV2	1328580	1263667	68.29%	2.773%
13	6.981	829	832	837	rVB3	260145	257552	13.92%	0.565%
14	7.039	837	842	845	rVB2	123666	127848	6.91%	0.281%
15	7.081	845	849	852	rBV2	733617	806443	43.58%	1.769%
16	7.198	866	869	872	rVB	622366	508305	27.47%	1.115%
17	7.228	872	874	875	rBV	310331	225830	12.20%	0.496%
18	7.245	875	877	878	rVV	328578	260621	14.08%	0.572%
19	7.263	878	880	884	rVB	410735	376160	20.33%	0.825%
20	7.310	884	888	893	rBV3	491551	730622	39.49%	1.603%
21	7.392	899	902	903	rBV	164574	151308	8.18%	0.332%
22	7.410	903	905	909	rVB	223051	199889	10.80%	0.439%
23	7.457	909	913	915	rBV2	463441	529299	28.61%	1.161%
24	7.481	915	917	919	rVV	488329	416731	22.52%	0.914%
25	7.522	919	924	928	rVB	1791441	1850365	100.00%	4.060%
26	7.575	928	933	935	rBV4	360826	485296	26.23%	1.065%
27	7.610	935	939	940	rBV2	225368	243128	13.14%	0.533%
28	7.628	940	942	946	rVB4	193207	220761	11.93%	0.484%
29	7.675	946	950	952	rBV3	110096	151003	8.16%	0.331%
30	7.698	952	954	956	rVV3	206932	201229	10.88%	0.442%
31	7.722	956	958	962	rVB2	244715	315846	17.07%	0.693%
32	7.810	968	973	974	rBV4	184641	244712	13.23%	0.537%
33	7.828	974	976	978	rVB	328586	221703	11.98%	0.486%
34	7.851	978	980	983	rBV2	259139	278419	15.05%	0.611%

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35	7.881	983	985	989	rVB2	399657	505669	27.33%	1.110%
36	7.922	989	992	994	rBV2	466268	435827	23.55%	0.956%
37	7.951	994	997	999	rVV2	732183	750436	40.56%	1.647%
38	7.975	999	1001	1003	rVB	230032	158741	8.58%	0.348%
39	7.998	1003	1005	1007	rBV	429302	318493	17.21%	0.699%
40	8.022	1007	1009	1012	rVV2	220028	201139	10.87%	0.441%
41	8.051	1012	1014	1016	rVB	353837	253475	13.70%	0.556%
42	8.081	1016	1019	1022	rVB2	226560	243780	13.17%	0.535%
43	8.110	1022	1024	1026	rBV2	140038	125074	6.76%	0.274%
44	8.157	1027	1032	1033	rBV4	185940	246884	13.34%	0.542%
45	8.186	1034	1037	1039	rVV	2055906	1786006	96.52%	3.919%
46	8.210	1039	1041	1044	rVV	1709431	1361973	73.61%	2.988%
47	8.263	1046	1050	1053	rVB2	949077	925783	50.03%	2.031%
48	8.292	1053	1055	1058	rBV4	309992	328214	17.74%	0.720%
49	8.363	1063	1067	1069	rBV5	195097	260938	14.10%	0.573%
50	8.404	1072	1074	1077	rVB2	327319	332352	17.96%	0.729%
51	8.498	1086	1090	1095	rVB3	718611	770592	41.65%	1.691%
52	8.545	1095	1098	1102	rBV4	315050	325516	17.59%	0.714%
53	8.581	1102	1104	1108	rVB3	521055	502760	27.17%	1.103%
54	8.622	1108	1111	1114	rBV	944657	850105	45.94%	1.865%
55	8.645	1114	1115	1118	rVB	167338	125526	6.78%	0.275%
56	8.675	1118	1120	1123	rVB2	180579	146123	7.90%	0.321%
57	8.710	1123	1126	1129	rBV	593472	506711	27.38%	1.112%
58	8.751	1129	1133	1135	rBV4	167236	199583	10.79%	0.438%
59	8.792	1137	1140	1145	rVB	1711638	1484700	80.24%	3.258%
60	8.839	1145	1148	1149	rBV3	119267	138761	7.50%	0.304%
61	8.922	1160	1162	1165	rVB3	159145	118082	6.38%	0.259%
62	8.957	1165	1168	1170	rBV2	166483	134108	7.25%	0.294%
63	8.992	1170	1174	1175	rVV4	157141	203867	11.02%	0.447%
64	9.028	1178	1180	1183	rVV2	436530	441682	23.87%	0.969%
65	9.075	1185	1188	1190	rVV3	397072	437354	23.64%	0.960%
66	9.122	1193	1196	1198	rVV3	345529	415379	22.45%	0.911%
67	9.157	1198	1202	1206	rVV4	516649	613273	33.14%	1.346%
68	9.198	1206	1209	1211	rVV	421103	330805	17.88%	0.726%
69	9.222	1211	1213	1216	rVV	732222	650692	35.17%	1.428%
70	9.280	1220	1223	1225	rBV	1017577	759396	41.04%	1.666%
71	9.357	1233	1236	1240	rBV	1435215	1323371	71.52%	2.904%

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72	9.398	1241	1243	1245	rVV3	173080	172095	9.30%	0.378%
73	9.433	1247	1249	1252	rVB	352376	273729	14.79%	0.601%
74	9.616	1274	1280	1282	rBV4	277134	425931	23.02%	0.935%
75	9.633	1282	1283	1287	rVV3	232062	225543	12.19%	0.495%
76	9.675	1287	1290	1293	rVV3	647760	857647	46.35%	1.882%
77	9.698	1293	1294	1298	rVB3	306711	290036	15.67%	0.636%
78	9.739	1298	1301	1303	rBV2	307531	253323	13.69%	0.556%
79	9.886	1323	1326	1330	rVV	848547	699822	37.82%	1.536%
80	9.927	1330	1333	1335	rVV4	107279	116434	6.29%	0.255%
81	9.963	1336	1339	1343	rVB	1471030	1445428	78.12%	3.172%
82	10.122	1362	1366	1368	rVV2	112910	175653	9.49%	0.385%
83	10.145	1368	1370	1373	rVV	130767	150378	8.13%	0.330%
84	10.204	1377	1380	1385	rVV4	158446	239646	12.95%	0.526%
85	10.386	1408	1411	1414	rVV	426338	339746	18.36%	0.745%
86	10.604	1444	1448	1455	rVB	120665	177322	9.58%	0.389%
87	10.745	1470	1472	1476	rVB	482325	361969	19.56%	0.794%
88	10.857	1489	1491	1496	rBV	228957	269020	14.54%	0.590%
89	11.304	1564	1567	1570	rBV	140108	126601	6.84%	0.278%
90	11.451	1588	1592	1595	rBV	1451621	1221580	66.02%	2.680%
91	11.963	1674	1679	1683	rBV2	85638	117886	6.37%	0.259%
92	12.521	1771	1774	1776	rBV2	346470	338947	18.32%	0.744%
93	12.539	1776	1777	1783	rVB2	281659	217674	11.76%	0.478%
94	12.663	1794	1798	1803	rVV	117062	140711	7.60%	0.309%
95	12.898	1834	1838	1843	rVB2	123628	153623	8.30%	0.337%
96	13.027	1857	1860	1864	rBV	670425	596353	32.23%	1.309%
97	13.598	1954	1957	1962	rBV	109839	117243	6.34%	0.257%
98	14.086	2037	2040	2043	rBV	1087497	986100	53.29%	2.164%
99	15.210	2228	2231	2236	rBV	116634	121150	6.55%	0.266%
100	15.586	2290	2295	2304	rVB	784472	1178072	63.67%	2.585%

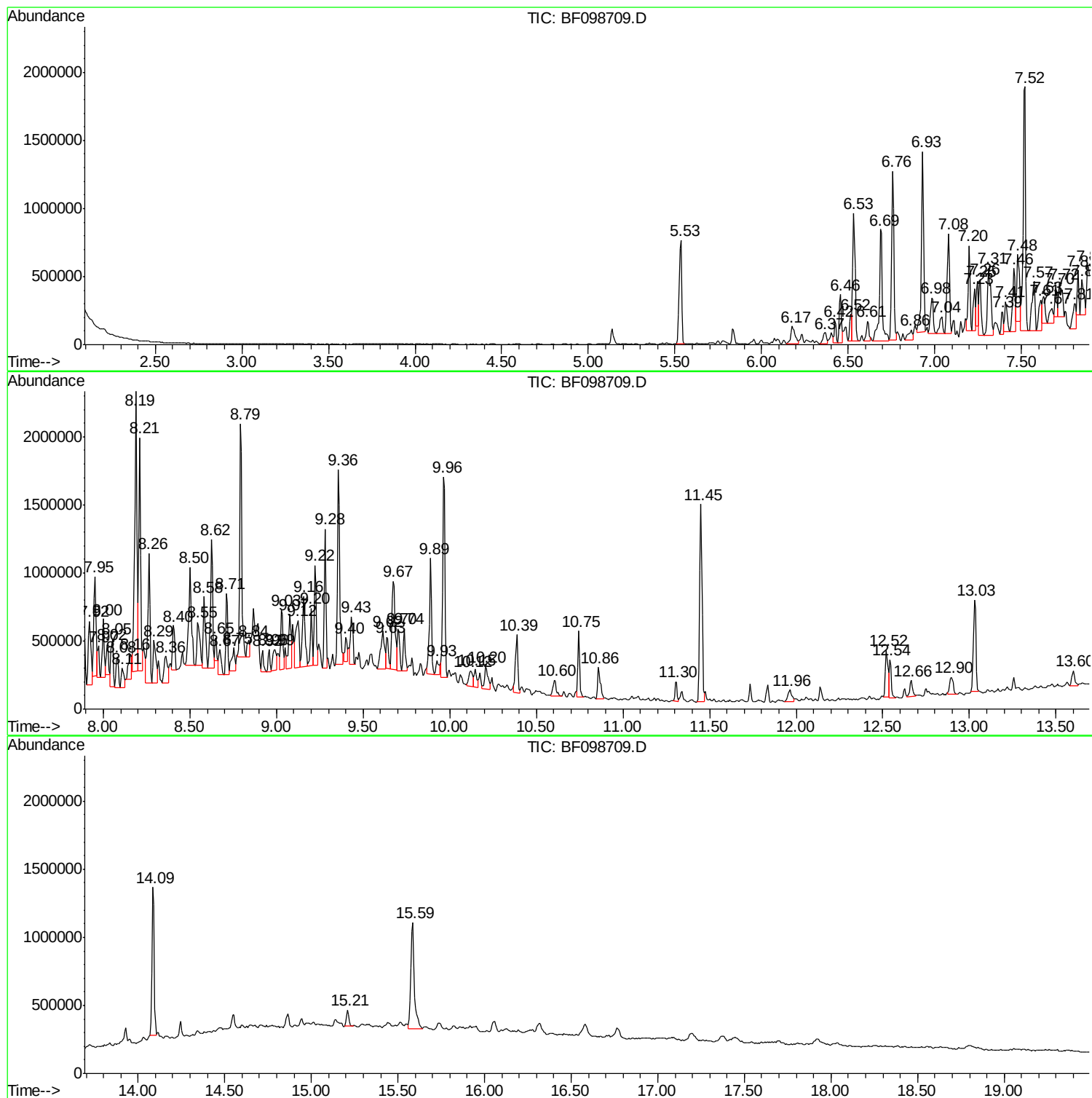
Sum of corrected areas: 45574644

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092117.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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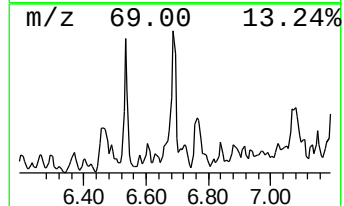
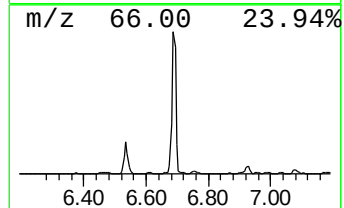
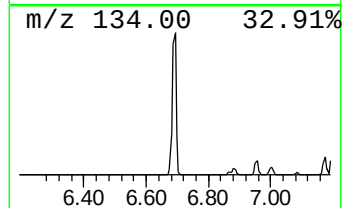
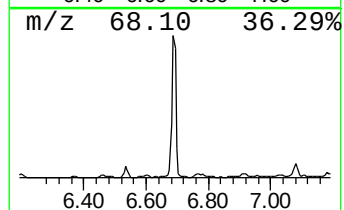
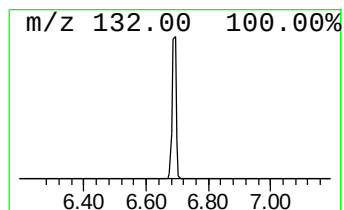
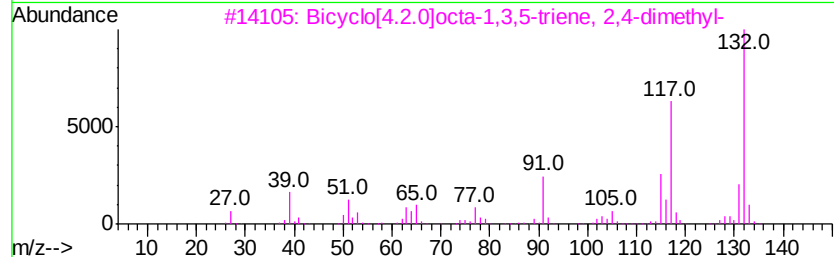
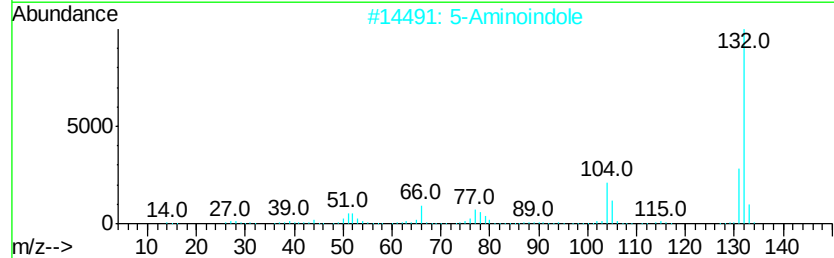
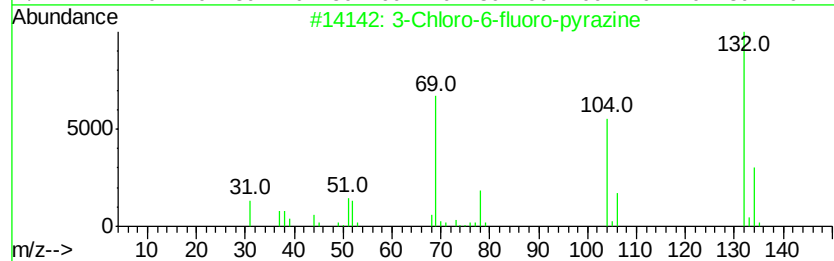
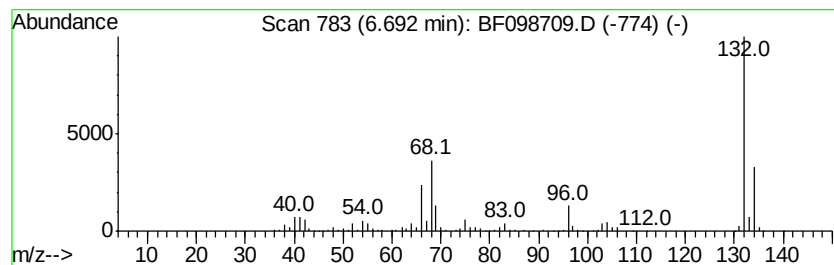
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.69 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.69	16.23 ng	1025480	1,4-Dichlorobenzene-d4	6.93

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine			132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole			132	C8H8N2	005192-03-0	10
3	Bicyclo[4.2.0]octa-1,3,5-triene,...			132	C10H12	028749-81-7	9
4	(E)-3-Chloro-2-methyl-2-pentenal			132	C6H9ClO	031357-76-3	9
5	1H-Benzimidazole, 2-methyl-			132	C8H8N2	000615-15-6	9



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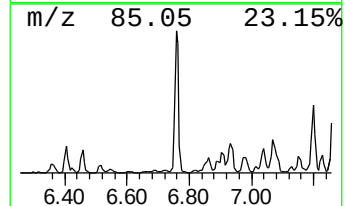
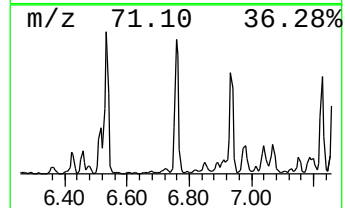
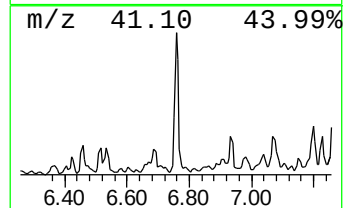
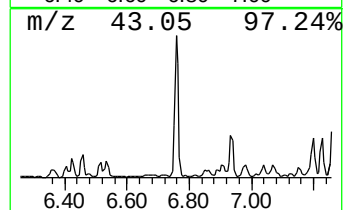
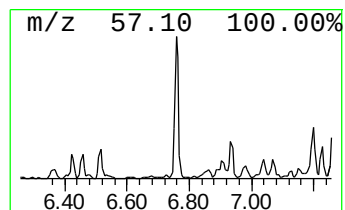
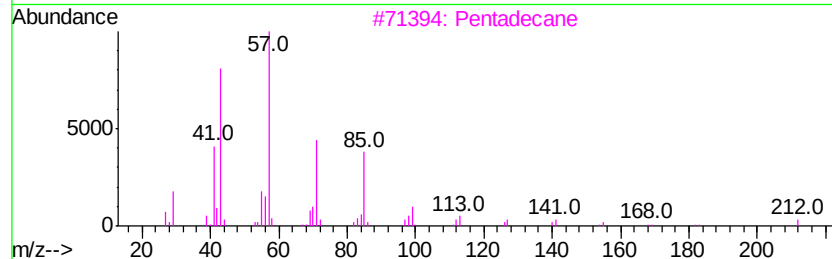
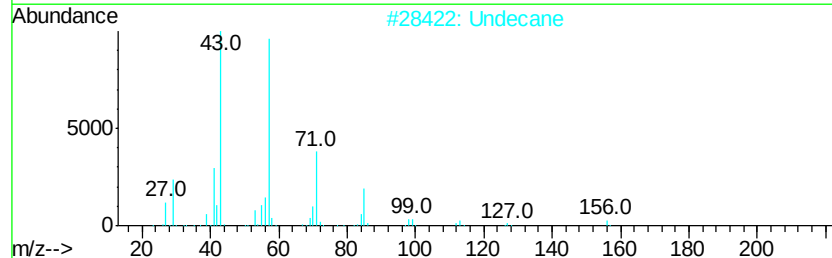
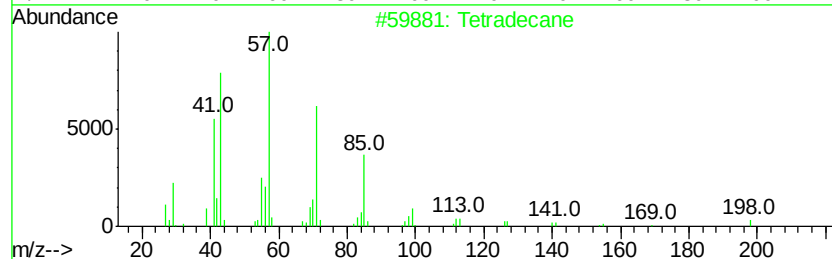
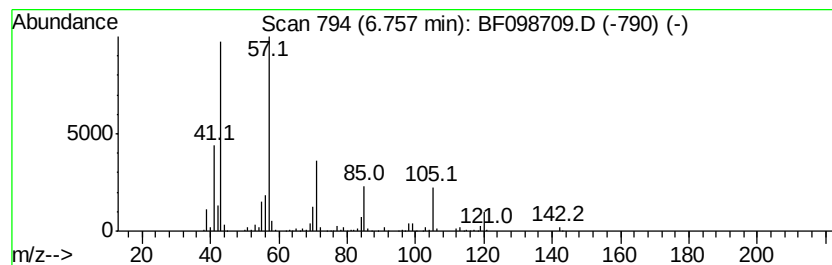
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Tetradecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.76	19.61 ng	1239230	1,4-Dichlorobenzene-d4	6.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	64
2		Undecane	156	C11H24	001120-21-4	64
3		Pentadecane	212	C15H32	000629-62-9	53
4		Tridecane	184	C13H28	000629-50-5	50
5		Decane	142	C10H22	000124-18-5	49



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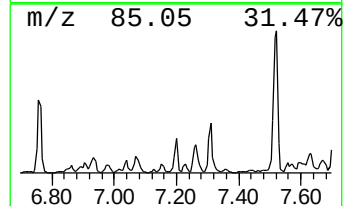
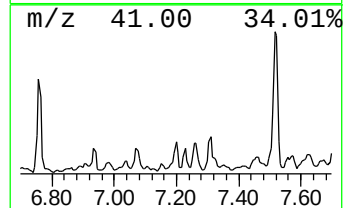
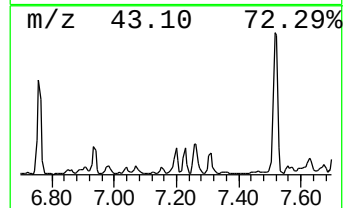
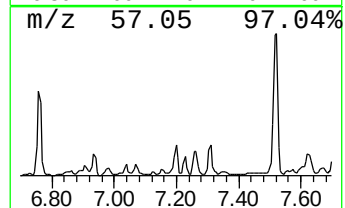
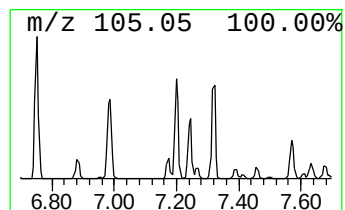
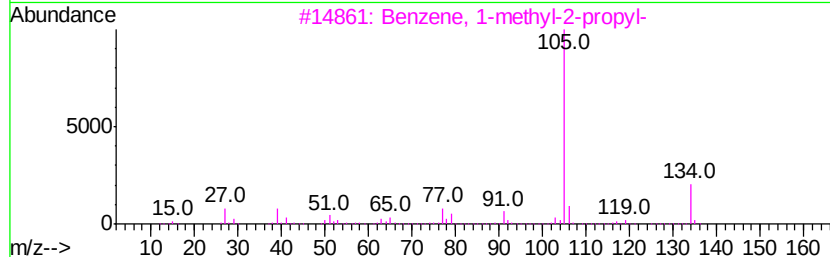
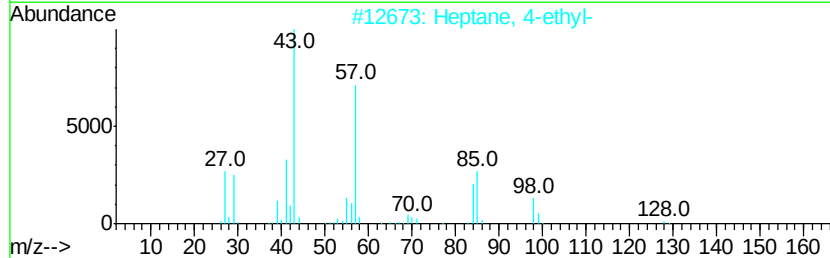
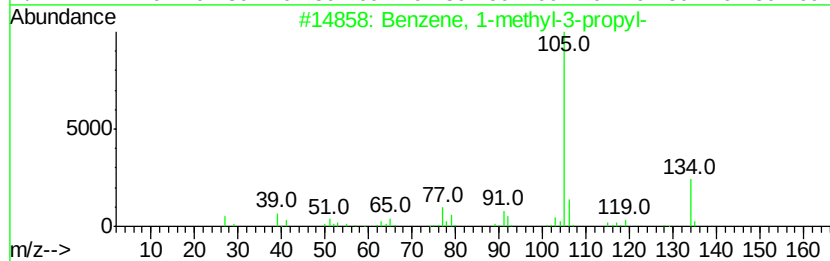
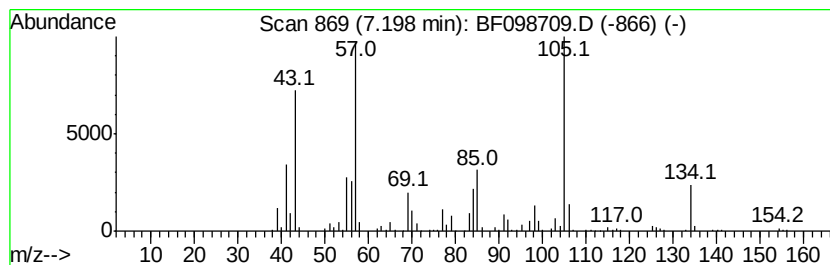
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Peak Number 4 Benzene, 1-methyl-3-propyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.20	8.04 ng	508305	1,4-Dichlorobenzene-d4	6.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	70
2		Heptane, 4-ethyl-	128	C9H20	002216-32-2	46
3		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	38
4		Nonane, 2,5-dimethyl-	156	C11H24	017302-27-1	38
5		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092217\
Data File : BF098709.D
Acq On : 22 Sep 2017 21:17
Operator : SJ/JU
Sample : I5331-04 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampled :
HR-05-092017-B

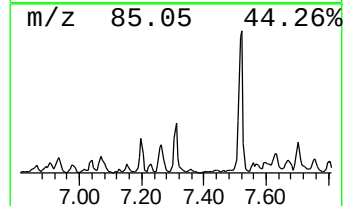
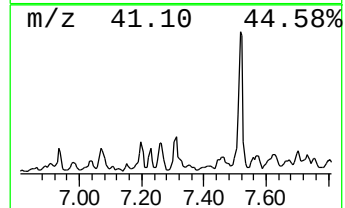
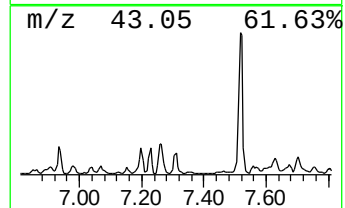
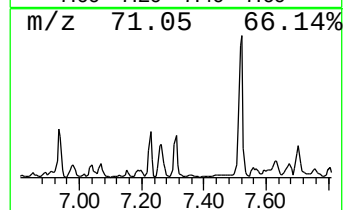
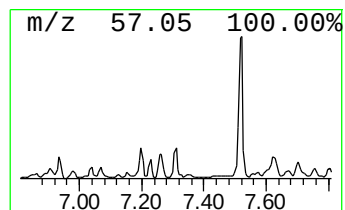
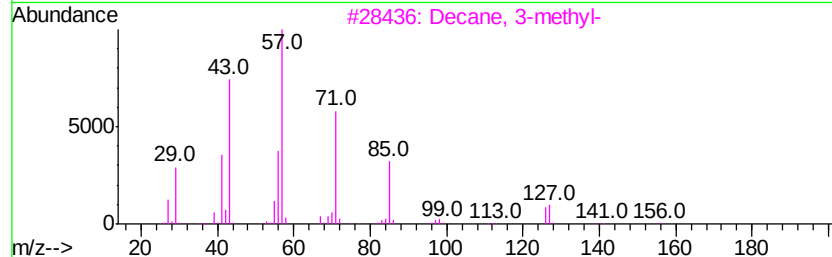
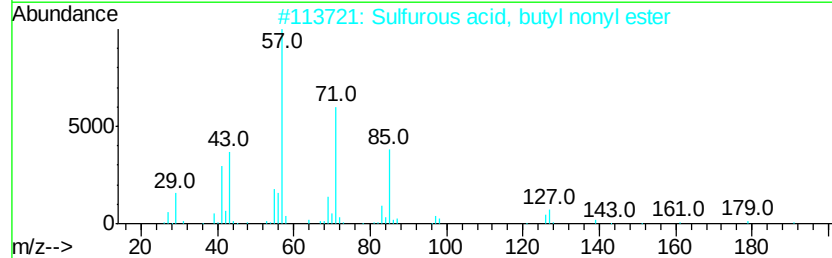
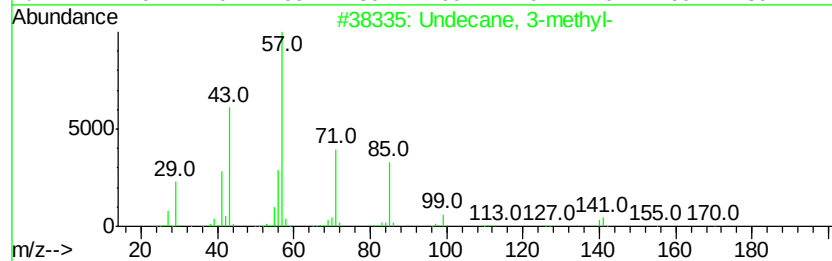
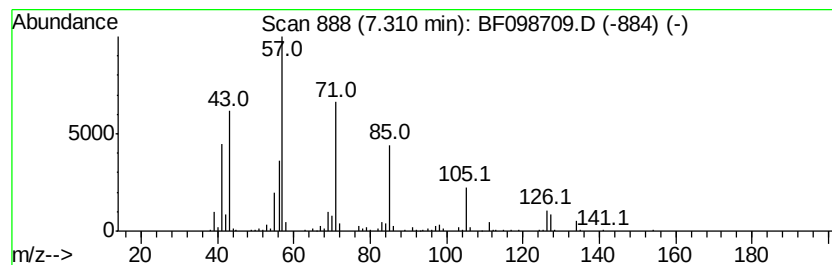
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Undecane, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.31	11.56 ng	730622	1,4-Dichlorobenzene-d4	6.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 3-methyl-	170	C12H26	001002-43-3	53
2		Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	53
3		Decane, 3-methyl-	156	C11H24	013151-34-3	53
4		Nonane, 5-butyl-	184	C13H28	017312-63-9	50
5		1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
Data File : BF098709.D
Acq On : 22 Sep 2017 21:17
Operator : SJ/JU
Sample : I5331-04 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

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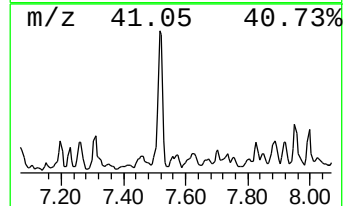
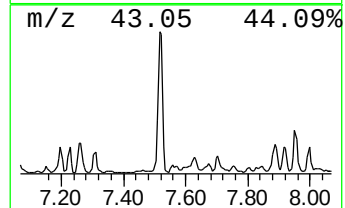
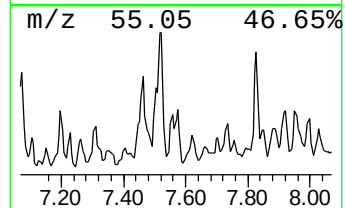
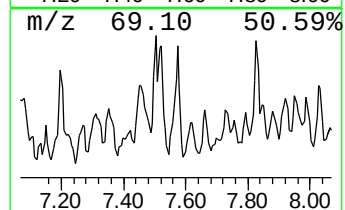
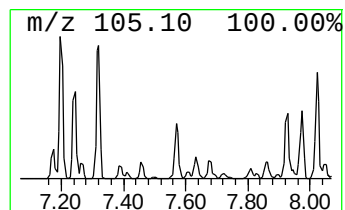
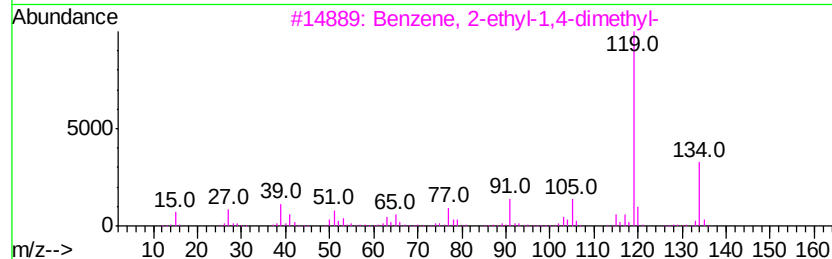
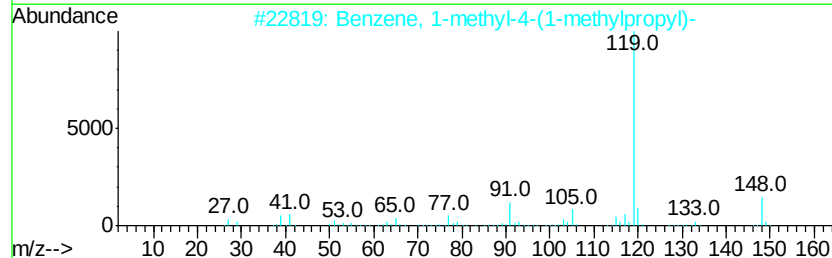
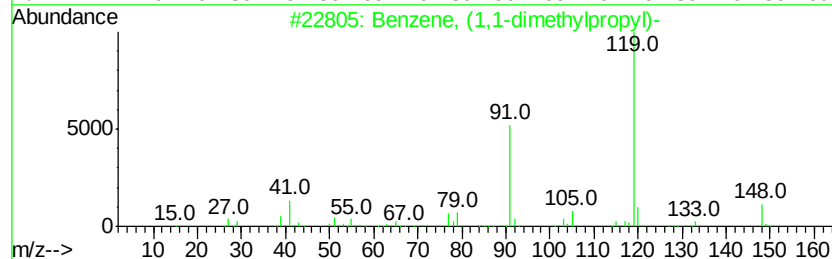
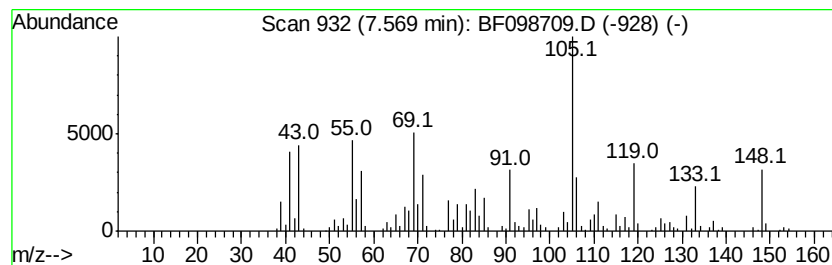
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzene, (1,1-dimethylpropyl)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.57	7.13 ng	485296	Napthalene-d8	8.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	55
2		Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	52
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	49
4		o-Cymene	134	C10H14	000527-84-4	46
5		Propiophenone, 2'-methyl-	148	C10H12O	002040-14-4	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092217\
Data File : BF098709.D
Acq On : 22 Sep 2017 21:17
Operator : SJ/JU
Sample : I5331-04 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

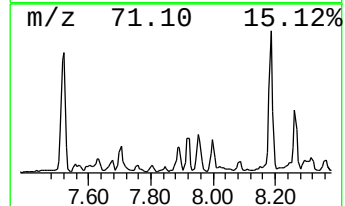
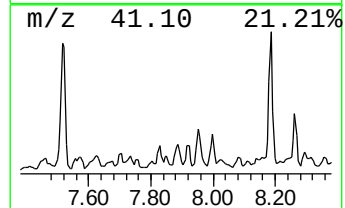
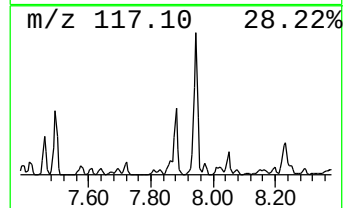
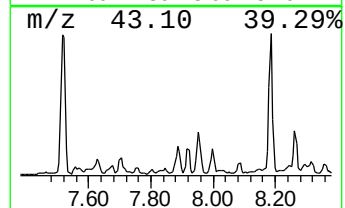
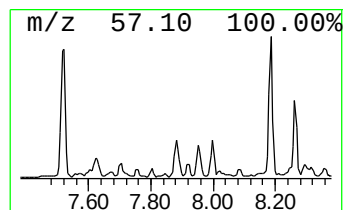
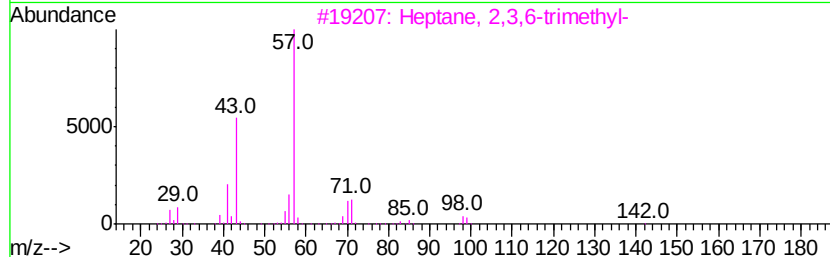
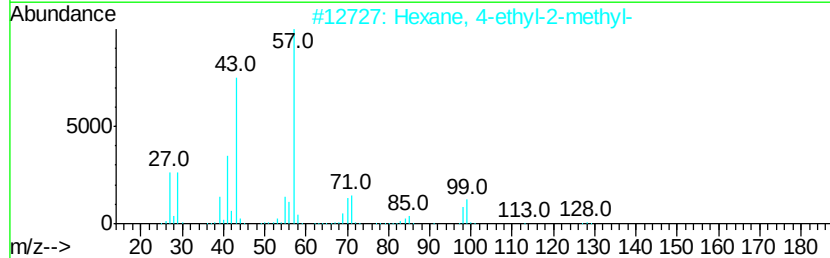
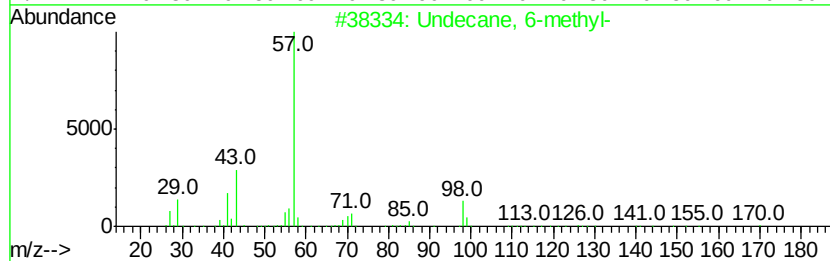
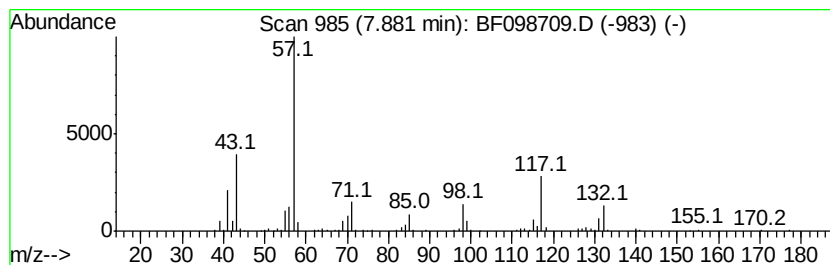
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown7.88 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.88	7.43 ng	505669	Napthalene-d8	8.21
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Undecane, 6-methyl-	170 C12H26	017302-33-9	49
2	Hexane, 4-ethyl-2-methyl-	128 C9H20	003074-75-7	46
3	Heptane, 2,3,6-trimethyl-	142 C10H22	004032-93-3	38
4	Heptane, 3-ethyl-2-methyl-	142 C10H22	014676-29-0	38
5	Heptane, 4-(1-methylethyl)-	142 C10H22	052896-87-4	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
Data File : BF098709.D
Acq On : 22 Sep 2017 21:17
Operator : SJ/JU
Sample : I5331-04 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

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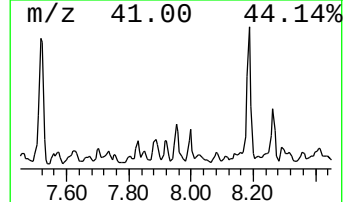
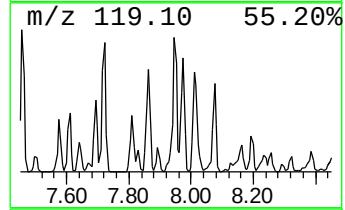
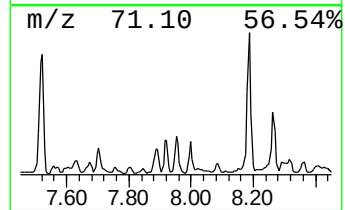
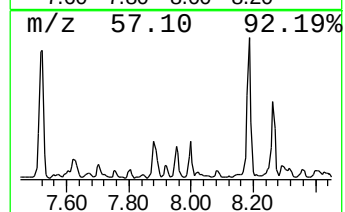
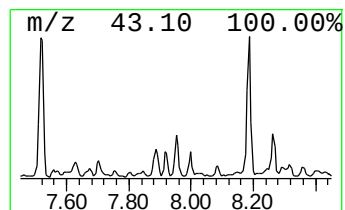
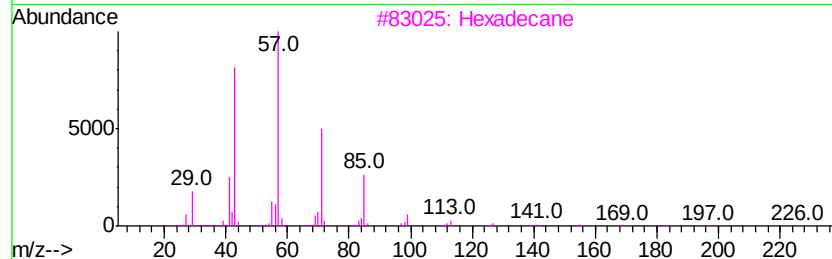
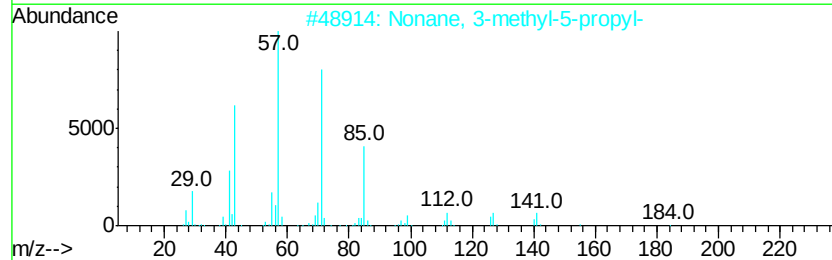
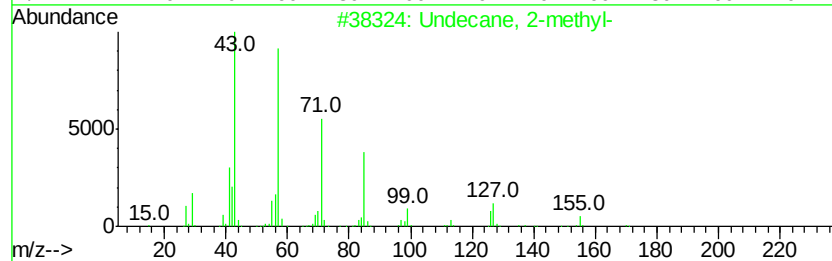
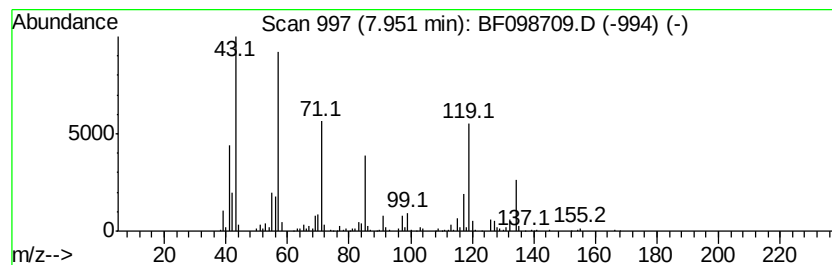
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown7.95 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.95	11.02 ng	750436	Napthalene-d8	8.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2-methyl-	170	C12H26	007045-71-8	47
2		Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	38
3		Hexadecane	226	C16H34	000544-76-3	35
4		Heptane, 4-ethyl-	128	C9H20	002216-32-2	30
5		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	30



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
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Sample : I5331-04 5X
Misc :
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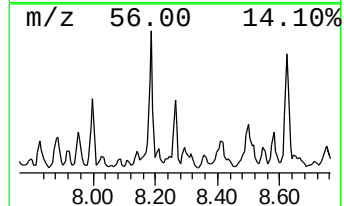
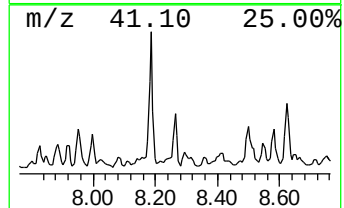
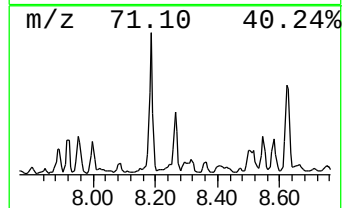
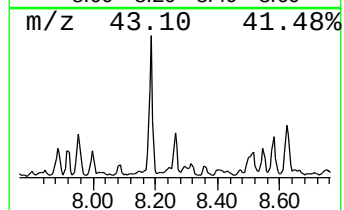
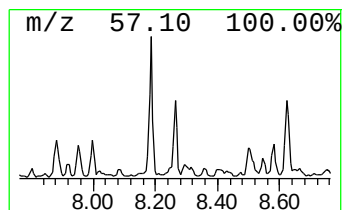
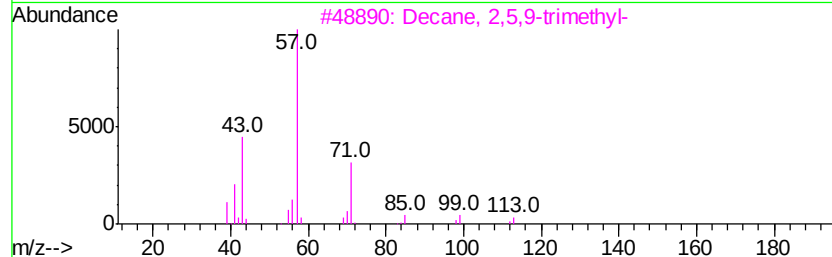
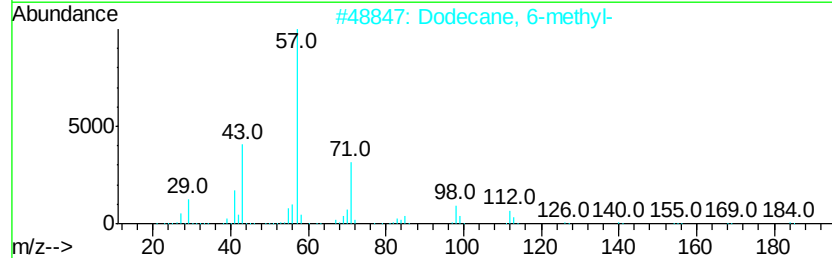
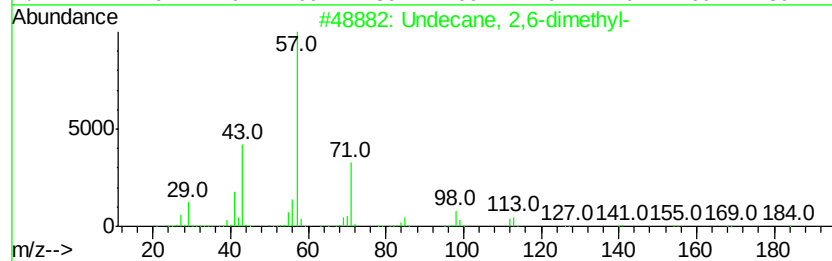
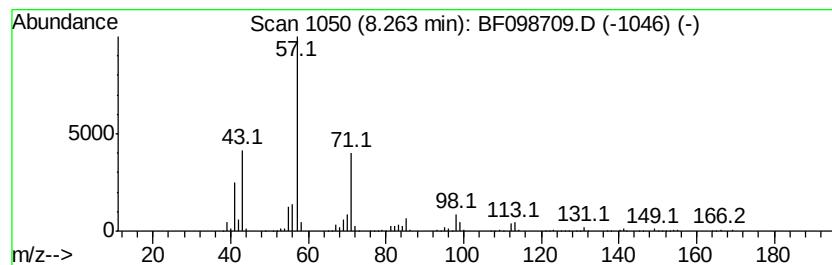
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Undecane, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.		
8.26	13.59 ng	925783	Napthalene-d8	8.21		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	90	
2	Dodecane, 6-methyl-	184	C13H28	006044-71-9	86	
3	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	78	
4	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	64	
5	Undecane, 5-ethyl-	184	C13H28	017453-94-0	64	



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092217\
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Acq On : 22 Sep 2017 21:17
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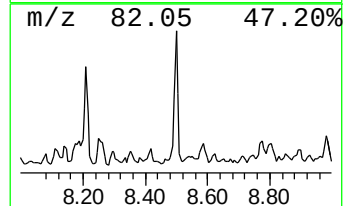
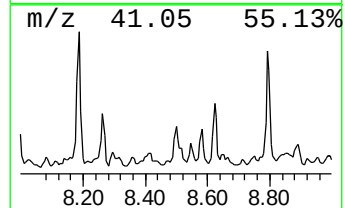
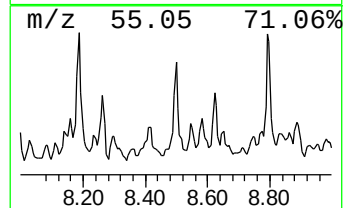
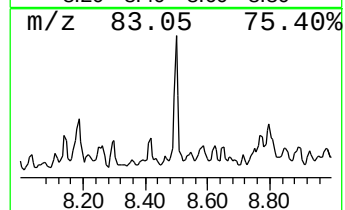
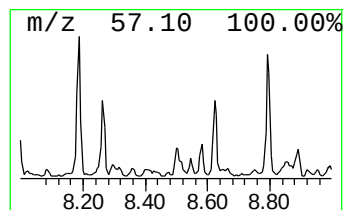
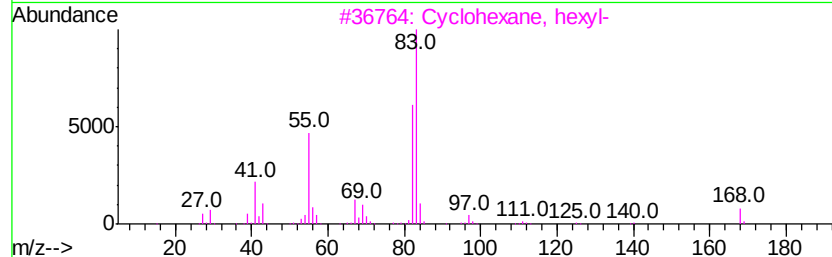
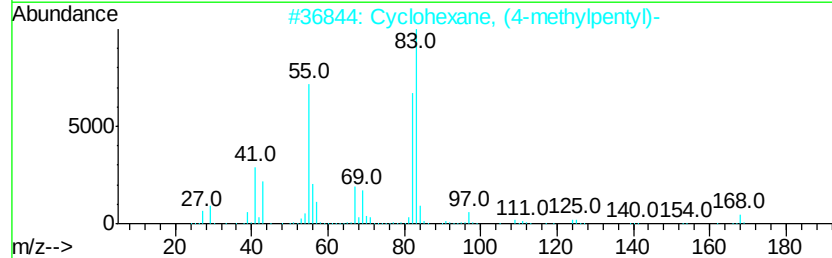
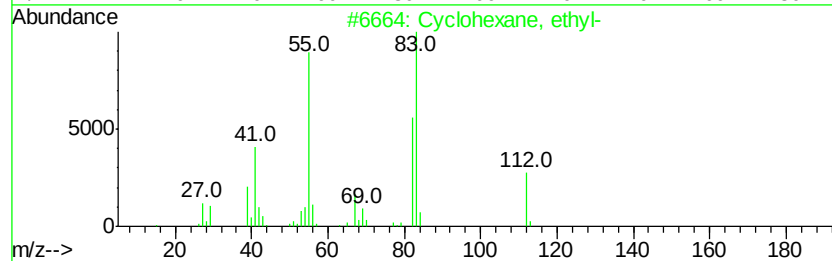
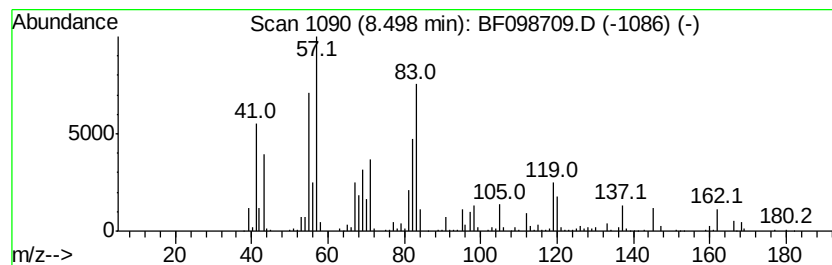
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown8.50 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.50	11.32 ng	770592	Napthalene-d8	8.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	49
2		Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	49
3		Cyclohexane, hexyl-	168	C12H24	004292-75-5	46
4		Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	43
5		2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
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Acq On : 22 Sep 2017 21:17
Operator : SJ/JU
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ClientSampled :
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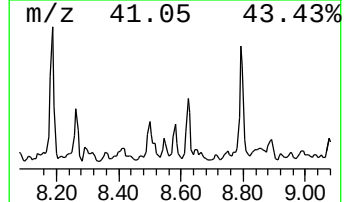
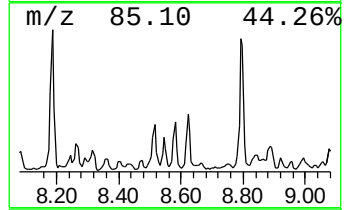
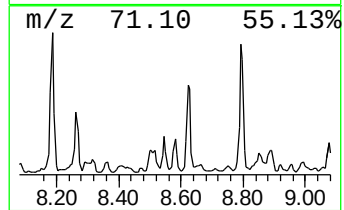
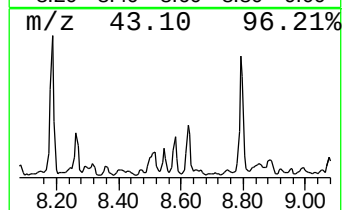
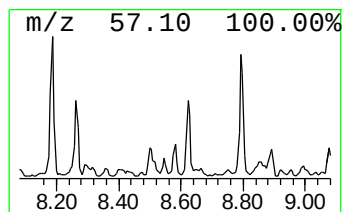
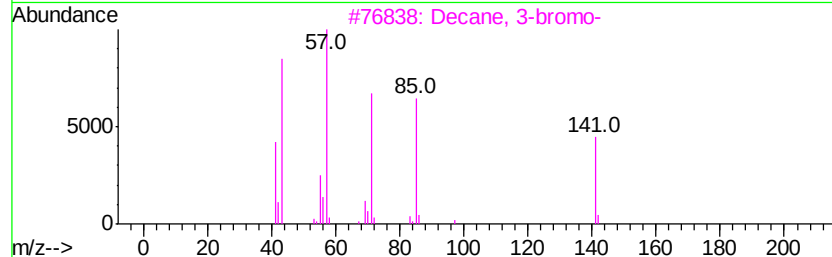
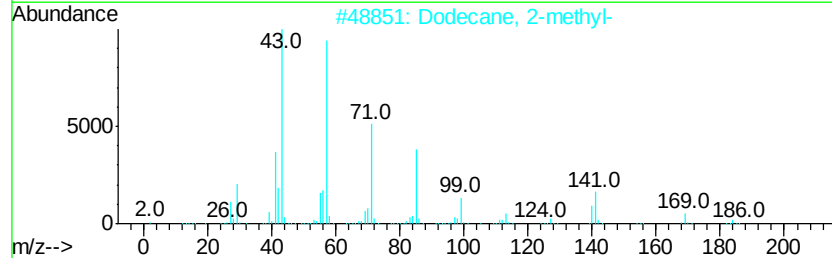
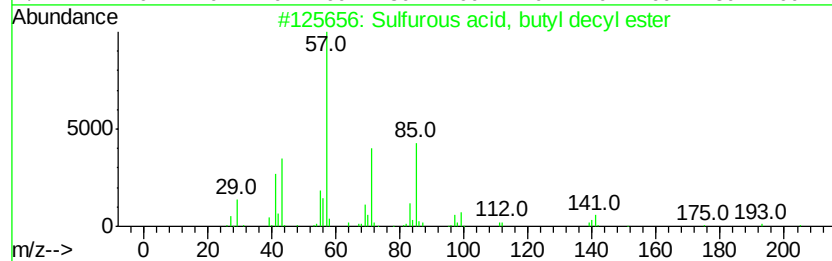
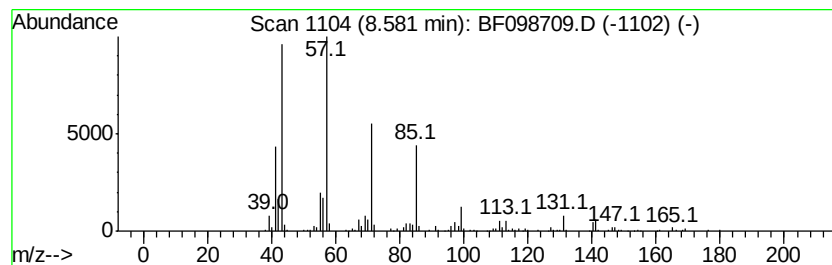
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Sulfurous acid, butyl decyl... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.58	7.38 ng	502760	Napthalene-d8	8.21

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, butyl decyl ester	278	C14H30O3S	1000309-17-7	72
2			Dodecane, 2-methyl-	184	C13H28	001560-97-0	64
3			Decane, 3-bromo-	220	C10H21Br	030571-71-2	64
4			1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	59
5			Heptacosane	380	C27H56	000593-49-7	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092217\
Data File : BF098709.D
Acq On : 22 Sep 2017 21:17
Operator : SJ/JU
Sample : I5331-04 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-05-092017-B

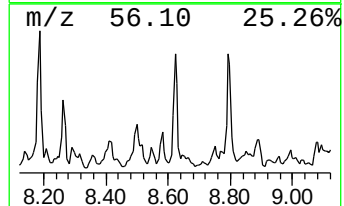
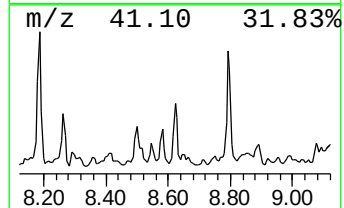
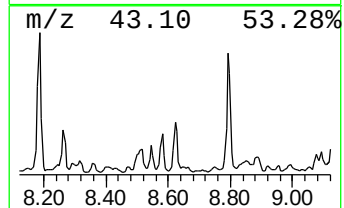
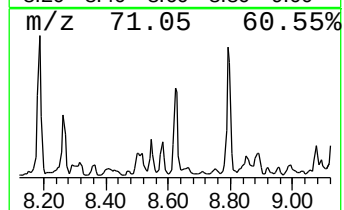
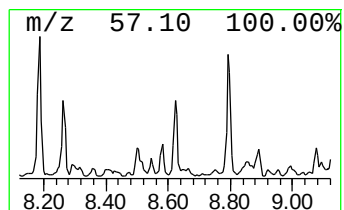
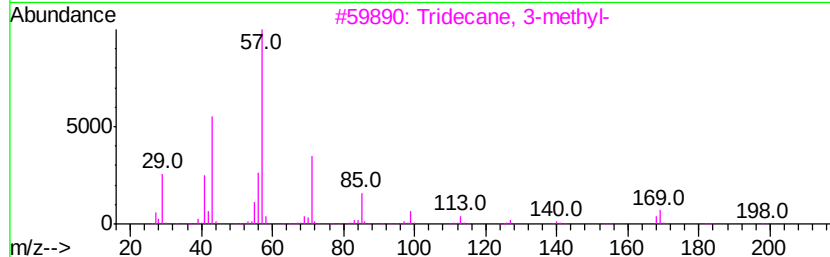
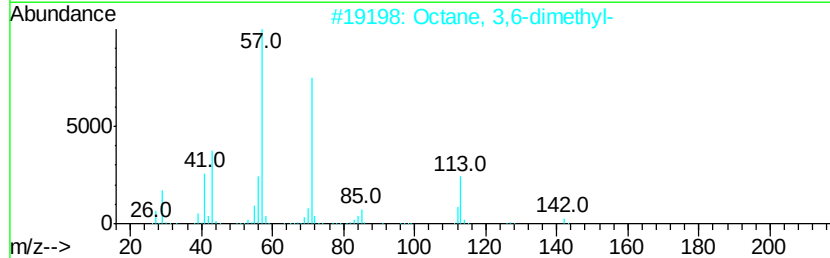
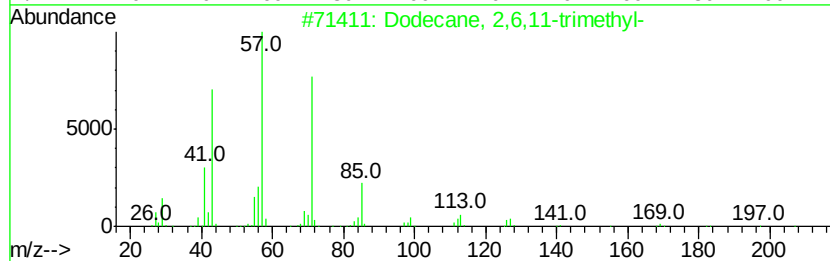
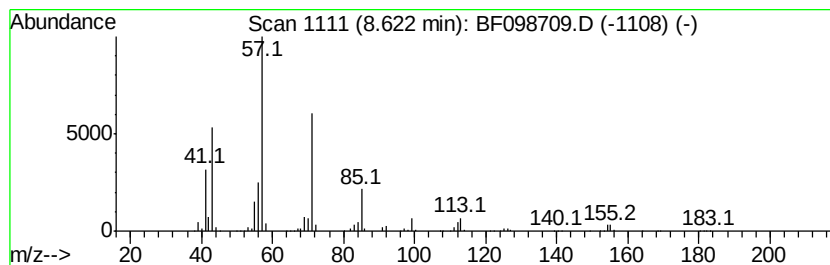
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Dodecane, 2,6,11-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.62	12.48 ng	850105	Napthalene-d8	8.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	78
2		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	64
3		Tridecane, 3-methyl-	198	C14H30	006418-41-3	59
4		Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	59
5		Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092217\
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Acq On : 22 Sep 2017 21:17
Operator : SJ/JU
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Misc :
ALS Vial : 8 Sample Multiplier: 1

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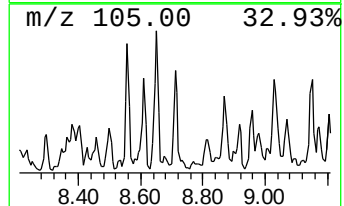
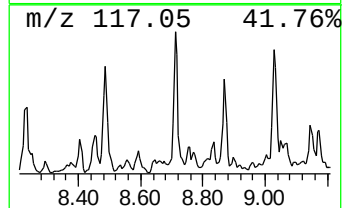
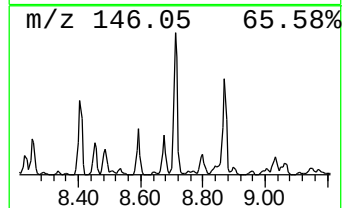
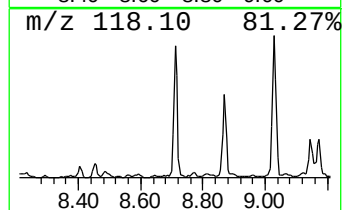
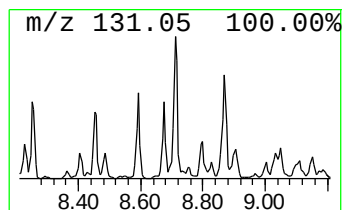
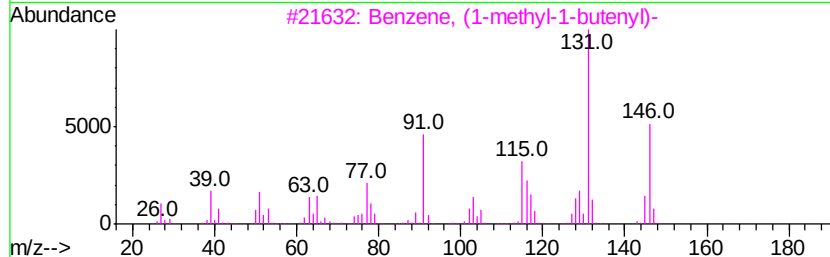
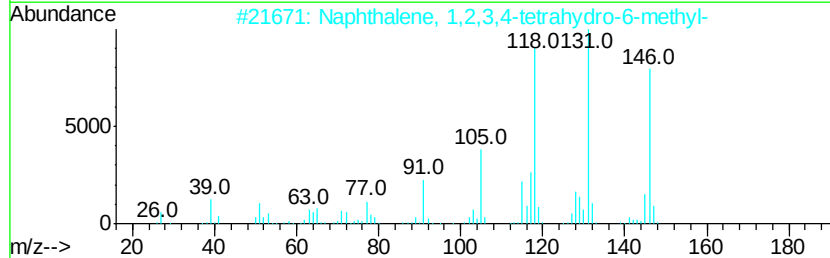
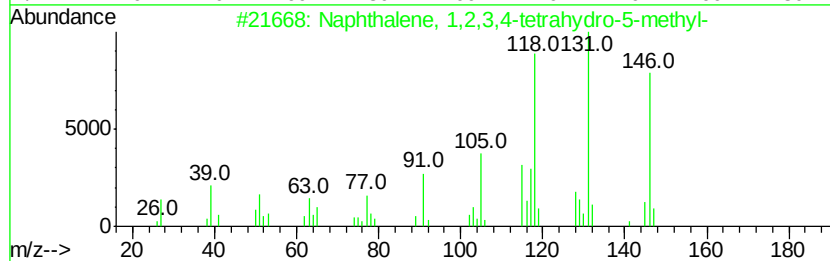
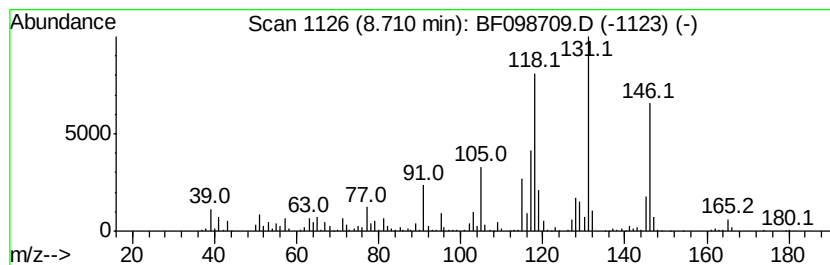
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 1,2,3,4-tetra... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.71	7.44 ng	506711	Naphthalene-d8	8.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	97
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	96
3		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	70
4		1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	64
5		Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	55



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092217\
Data File : BF098709.D
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Operator : SJ/JU
Sample : I5331-04 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

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ClientSampleId :
HR-05-092017-B

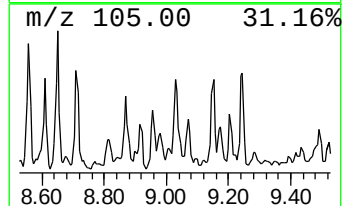
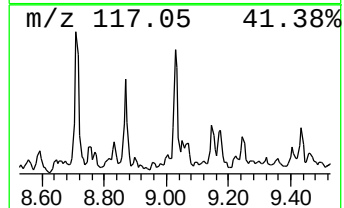
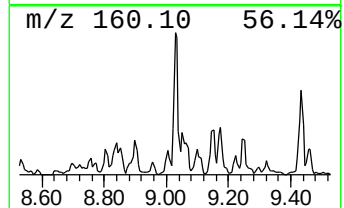
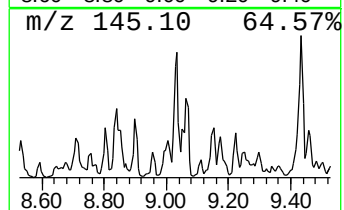
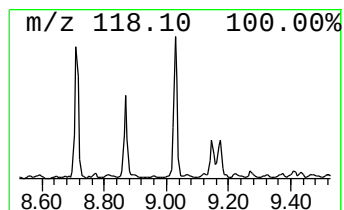
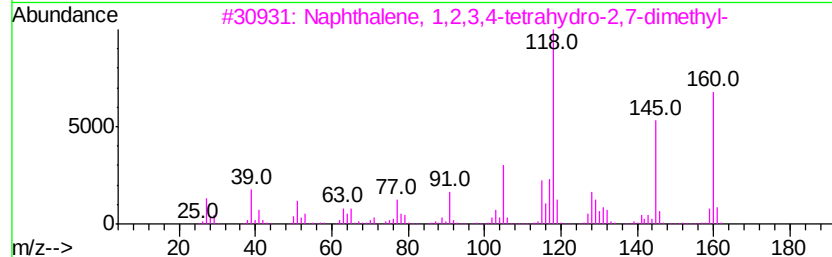
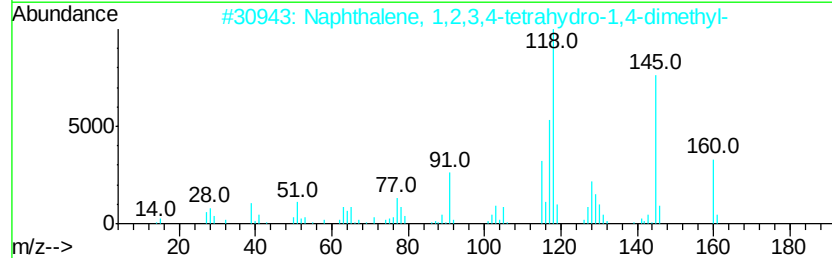
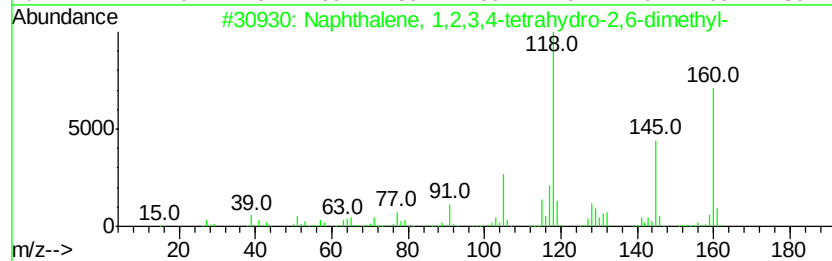
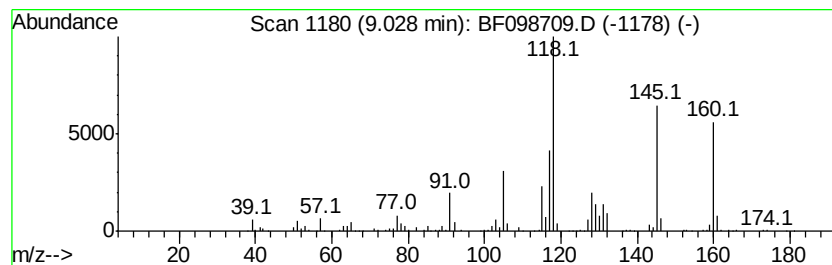
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 1,2,3,4-tetra... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.03	6.49 ng	441682	Naphthalene-d8	8.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	72
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	64
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	62
4		1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	014944-23-1	52
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092217\
Data File : BF098709.D
Acq On : 22 Sep 2017 21:17
Operator : SJ/JU
Sample : I5331-04 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

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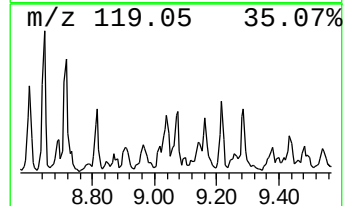
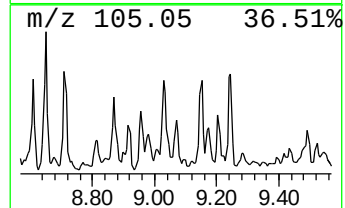
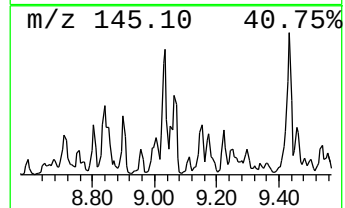
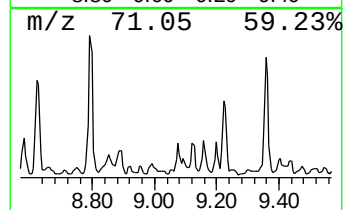
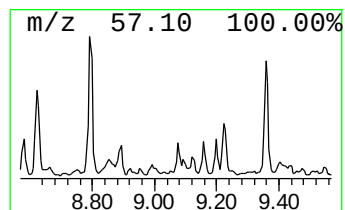
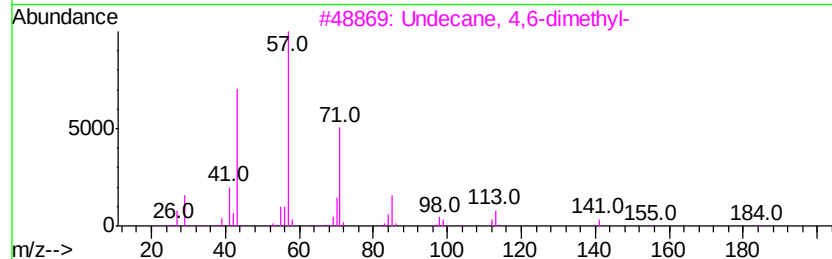
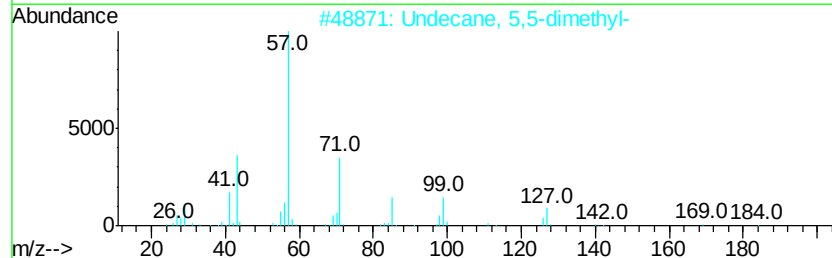
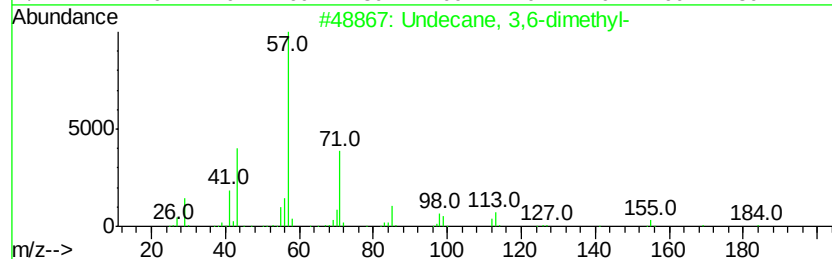
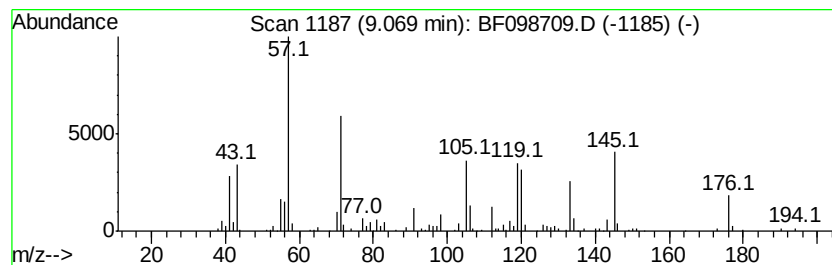
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Undecane, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.07	6.42 ng	437354	Napthalene-d8	8.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	53
2		Undecane, 5,5-dimethyl-	184	C13H28	017312-73-1	50
3		Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	50
4		Pentadecane, 7-methyl-	226	C16H34	006165-40-8	47
5		Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
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Acq On : 22 Sep 2017 21:17
Operator : SJ/JU
Sample : I5331-04 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

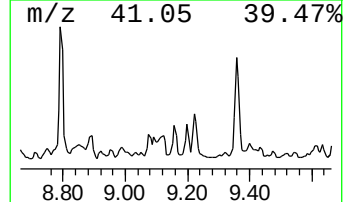
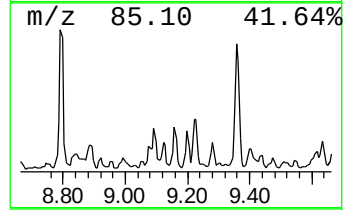
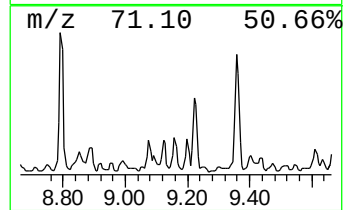
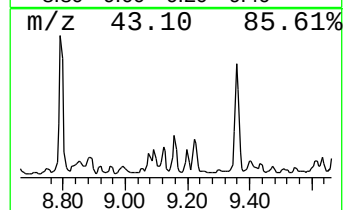
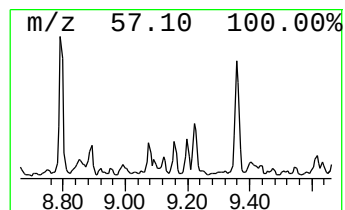
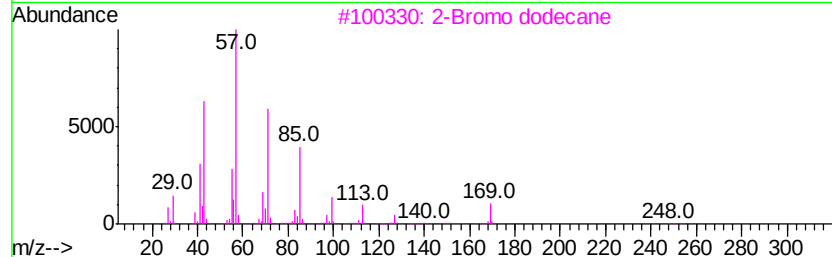
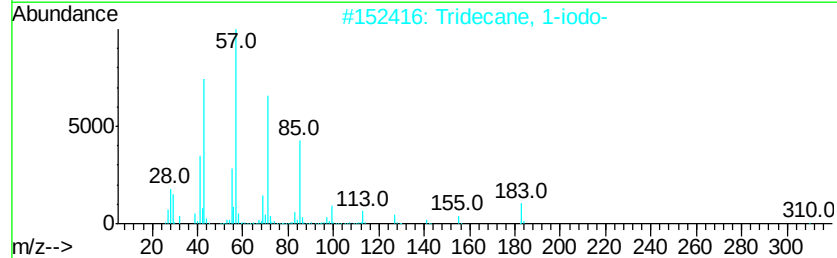
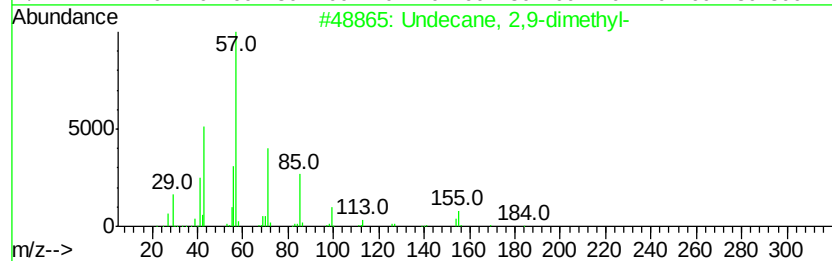
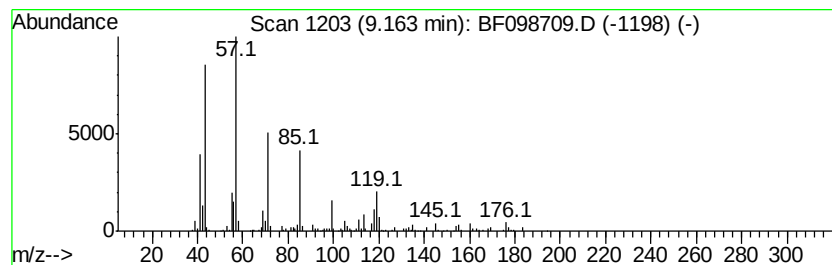
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Undecane, 2,9-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.16	8.49 ng	613273	Acenaphthene-d10	9.96
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Undecane, 2,9-dimethyl-	184 C13H28	017301-26-7	59
2	Tridecane, 1-iodo-	310 C13H27I	035599-77-0	59
3	2-Bromo dodecane	248 C12H25Br	013187-99-0	59
4	1-Iodoundecane	282 C11H23I	004282-44-4	59
5	Octadecane, 1-chloro-	288 C18H37Cl	003386-33-2	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
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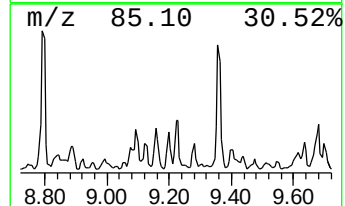
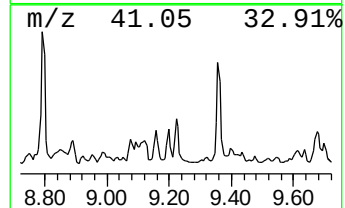
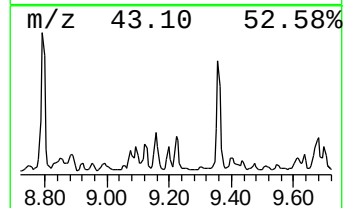
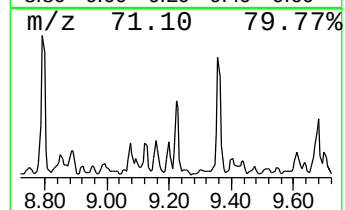
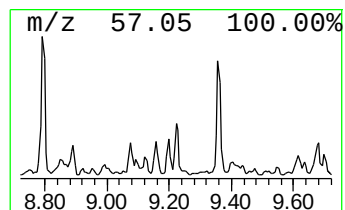
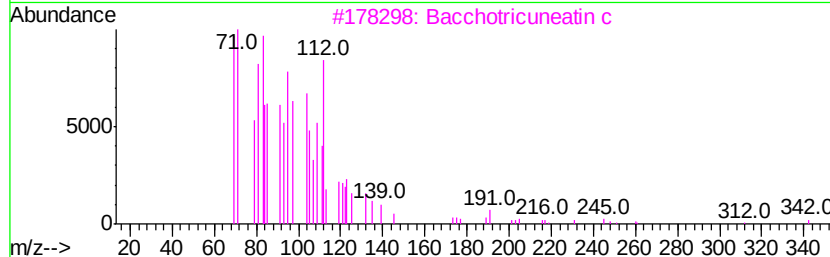
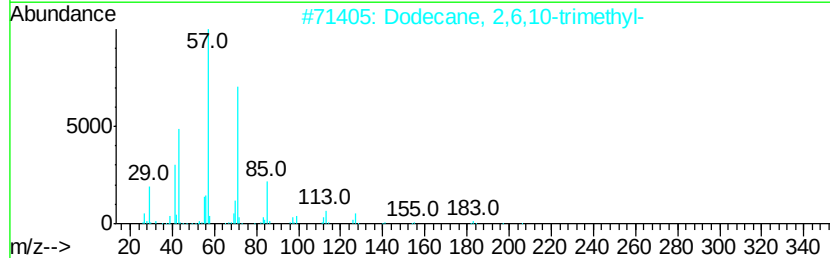
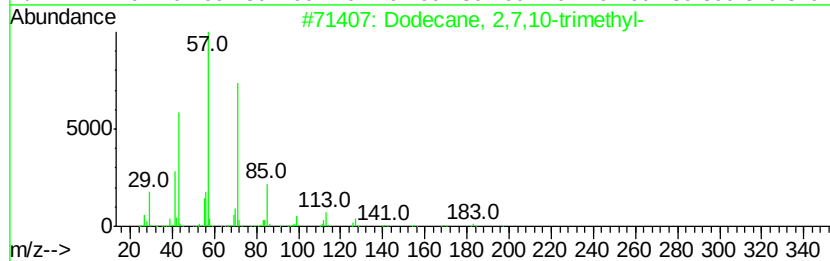
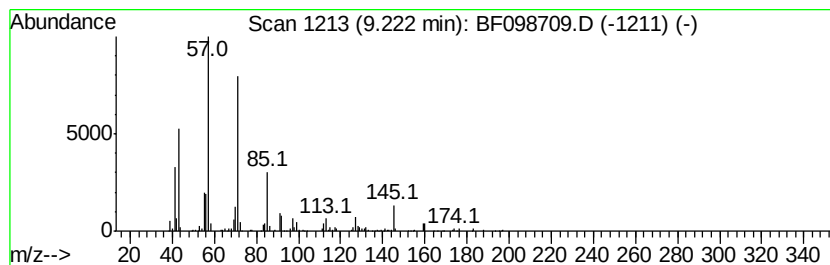
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Dodecane, 2,7,10-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.22	9.00 ng	650692	Acenaphthene-d10	9.96	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	83
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
3	Bacchotricuneatin c	342	C20H22O5	066563-30-2	58
4	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	53
5	Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092217\
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 Sample : I5331-04 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 HR-05-092017-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092117.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
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Tetradecane	6.76	19.6	ng	1239230	1	6.93	1263670	20.0
Benzene, 1-methyl...	7.20	8.0	ng	508305	1	6.93	1263670	20.0
Undecane, 3-methyl-	7.31	11.6	ng	730622	1	6.93	1263670	20.0
Benzene, (1,1-dim...	7.57	7.1	ng	485296	2	8.21	1361970	20.0
unknown7.88	7.88	7.4	ng	505669	2	8.21	1361970	20.0
unknown7.95	7.95	11.0	ng	750436	2	8.21	1361970	20.0
Undecane, 2,6-dim...	8.26	13.6	ng	925783	2	8.21	1361970	20.0
unknown8.50	8.50	11.3	ng	770592	2	8.21	1361970	20.0
Sulfurous acid, b...	8.58	7.4	ng	502760	2	8.21	1361970	20.0
Dodecane, 2,6,11-...	8.62	12.5	ng	850105	2	8.21	1361970	20.0
Naphthalene, 1,2,...	8.71	7.4	ng	506711	2	8.21	1361970	20.0
Naphthalene, 1,2,...	9.03	6.5	ng	441682	2	8.21	1361970	20.0
Undecane, 3,6-dim...	9.07	6.4	ng	437354	2	8.21	1361970	20.0
Undecane, 2,9-dim...	9.16	8.5	ng	613273	3	9.96	1445430	20.0
Dodecane, 2,7,10-...	9.22	9.0	ng	650692	3	9.96	1445430	20.0