

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
 Data File : BF091294.D
 Acq On : 24 Nov 2016 00:10
 Operator : UM/SJ
 Sample : H5740-10
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04(0-0.16)

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-BF112316.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	1.904	17	19	38	rVB	2215855	3692816	13.51%	1.024%
2	5.070	293	296	300	rBV	1403798	1927334	7.05%	0.535%
3	5.481	329	332	335	rVB	4393906	4630312	16.93%	1.285%
4	6.510	418	422	424	rVB	4524172	5458926	19.96%	1.514%
5	6.647	431	434	436	rBV	4987793	4796704	17.54%	1.331%
6	6.876	452	454	456	rBV	1436082	1320320	4.83%	0.366%
7	7.036	465	468	470	rBV	3938537	3447973	12.61%	0.957%
8	7.139	475	477	481	rBV	682506	899639	3.29%	0.250%
9	7.436	500	503	506	rBV	2104820	3086015	11.29%	0.856%
10	8.167	564	567	571	rVB2	1724676	2179861	7.97%	0.605%
11	9.242	659	661	663	rVB	4318698	3798753	13.89%	1.054%
12	9.653	694	697	698	rBV3	783680	1309689	4.79%	0.363%
13	9.779	706	708	711	rBV	2777351	2679999	9.80%	0.743%
14	9.916	717	720	725	rBV3	1533734	2123136	7.76%	0.589%
15	10.362	757	759	761	rVB2	1046076	954439	3.49%	0.265%
16	10.579	776	778	780	rVV2	1418190	1755907	6.42%	0.487%
17	10.625	780	782	785	rVV3	335915	693647	2.54%	0.192%
18	10.705	787	789	791	rVB	2754442	2743991	10.04%	0.761%
19	10.853	797	802	804	rVV2	2956500	5379559	19.67%	1.492%
20	11.059	818	820	822	rVB3	619892	782065	2.86%	0.217%
21	11.139	824	827	828	rVV2	442214	878257	3.21%	0.244%
22	11.162	828	829	832	rVV2	962219	1307084	4.78%	0.363%
23	11.208	832	833	835	rVV2	807095	771816	2.82%	0.214%
24	11.253	835	837	838	rVV	606591	646761	2.37%	0.179%
25	11.288	838	840	841	rVV	1533617	1762596	6.45%	0.489%
26	11.311	841	842	845	rVV	1220945	1468184	5.37%	0.407%
27	11.425	848	852	854	rBV2	1896680	3495097	12.78%	0.970%
28	11.482	854	857	859	rVV	4332879	6759684	24.72%	1.875%
29	11.631	868	870	871	rBV	956007	962792	3.52%	0.267%
30	11.665	871	873	876	rVV2	1035673	1878412	6.87%	0.521%
31	11.711	876	877	878	rVV	1752528	1327862	4.86%	0.368%
32	11.791	882	884	888	rVB4	302298	717196	2.62%	0.199%
33	11.905	892	894	895	rVV	872060	982618	3.59%	0.273%
34	11.939	895	897	899	rVV2	1306122	1875206	6.86%	0.520%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.985	899	901	902	rVV	2175553	2042362	7.47%	0.567%
36	12.019	902	904	908	rVV	1494382	3018778	11.04%	0.837%
37	12.122	908	913	917	rVV4	1212574	2375586	8.69%	0.659%
38	12.202	917	920	921	rVV3	633276	1114654	4.08%	0.309%
39	12.351	930	933	935	rBV3	485321	753327	2.76%	0.209%
40	12.408	935	938	940	rVB2	934554	1463494	5.35%	0.406%
41	12.454	940	942	944	rBV	1346152	2332022	8.53%	0.647%
42	12.511	944	947	949	rVB4	1028442	1670315	6.11%	0.463%
43	12.556	949	951	953	rVB	2104124	2436355	8.91%	0.676%
44	12.636	954	958	960	rBV	8293749	12495500	45.70%	3.467%
45	12.716	964	965	967	rVB	978514	1014338	3.71%	0.281%
46	12.774	967	970	971	rBV2	819926	877865	3.21%	0.244%
47	12.876	975	979	980	rBV2	9339500	18202942	66.57%	5.050%
48	12.911	980	982	985	rVB2	1104711	1907735	6.98%	0.529%
49	12.968	985	987	988	rBV	1609852	1977413	7.23%	0.549%
50	13.002	988	990	993	rVB2	2869555	5084173	18.59%	1.410%
51	13.082	993	997	1000	rBV3	3256755	6362108	23.27%	1.765%
52	13.162	1000	1004	1007	rBV2	3504891	7369973	26.95%	2.045%
53	13.242	1007	1011	1013	rBV5	926105	2788818	10.20%	0.774%
54	13.288	1013	1015	1019	rBV	4413584	5858571	21.43%	1.625%
55	13.345	1019	1020	1022	rBV	807784	1077195	3.94%	0.299%
56	13.391	1022	1024	1025	rBV	2039556	3091607	11.31%	0.858%
57	13.562	1037	1039	1044	rBV5	1171444	3406056	12.46%	0.945%
58	13.699	1048	1051	1054	rVV	3183157	4443958	16.25%	1.233%
59	13.757	1054	1056	1058	rVV	1046838	1085171	3.97%	0.301%
60	13.814	1058	1061	1062	rVV	2545443	4823890	17.64%	1.338%
61	13.859	1064	1065	1068	rVV2	2139409	3504794	12.82%	0.972%
62	13.917	1068	1070	1071	rVB	1702497	2220900	8.12%	0.616%
63	14.065	1079	1083	1085	rBV2	6327126	18140675	66.34%	5.033%
64	14.111	1085	1087	1090	rVV2	7965115	12995664	47.53%	3.605%
65	14.157	1090	1091	1092	rVV	1036783	832331	3.04%	0.231%
66	14.191	1092	1094	1095	rVV2	693893	983221	3.60%	0.273%
67	14.237	1095	1098	1101	rVV5	1443092	4430769	16.20%	1.229%
68	14.282	1101	1102	1104	rVV2	2231873	2340780	8.56%	0.649%
69	14.328	1104	1106	1109	rVV	1369592	2378065	8.70%	0.660%
70	14.454	1114	1117	1119	rVV	3970023	7279888	26.62%	2.020%
71	14.488	1119	1120	1122	rVV2	2973725	3248597	11.88%	0.901%

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72	14.534	1122	1124	1126	rVV3	1882781	2983119	10.91%	0.828%
73	14.579	1126	1128	1132	rVV3	2303751	4107680	15.02%	1.140%
74	14.648	1132	1134	1137	rVB2	1403196	1910866	6.99%	0.530%
75	14.774	1141	1145	1149	rBV3	1230013	4242163	15.51%	1.177%
76	14.831	1149	1150	1152	rBV2	557190	806342	2.95%	0.224%
77	14.957	1155	1161	1163	rBV	1727141	5262382	19.25%	1.460%
78	15.151	1171	1178	1183	rVB2	7648687	27343573	100.00%	7.586%
79	15.231	1183	1185	1187	rVB	2217883	2350202	8.60%	0.652%
80	15.311	1189	1192	1195	rBV	851947	2019844	7.39%	0.560%
81	15.437	1198	1203	1205	rBV	4839929	12233349	44.74%	3.394%
82	15.505	1205	1209	1211	rVB	5447405	10384276	37.98%	2.881%
83	15.585	1211	1216	1220	rBV3	2693324	5526296	20.21%	1.533%
84	15.745	1228	1230	1233	rVB3	1175281	1787999	6.54%	0.496%
85	15.848	1236	1239	1241	rBV2	950363	1635768	5.98%	0.454%
86	15.962	1246	1249	1251	rBV3	568086	1133217	4.14%	0.314%
87	16.008	1251	1253	1258	rVB3	473403	1412168	5.16%	0.392%
88	16.431	1288	1290	1296	rVB2	669663	1828540	6.69%	0.507%
89	16.545	1296	1300	1303	rBV3	664603	2233440	8.17%	0.620%
90	16.785	1317	1321	1323	rBV2	814571	2256477	8.25%	0.626%
91	17.014	1333	1341	1343	rBV	3159738	10926362	39.96%	3.031%
92	17.060	1343	1345	1347	rVB	575306	900460	3.29%	0.250%
93	17.151	1349	1353	1356	rVV2	927479	2900252	10.61%	0.805%
94	17.220	1356	1359	1371	rVB3	952958	3671716	13.43%	1.019%
95	17.448	1372	1379	1383	rVB	2115844	6938343	25.37%	1.925%
96	17.540	1383	1387	1392	rBV5	957812	2610375	9.55%	0.724%
97	18.031	1427	1430	1434	rVB3	433796	1144260	4.18%	0.317%
98	18.157	1438	1441	1445	rVB	305946	671909	2.46%	0.186%
99	18.306	1451	1454	1463	rVB6	355415	1322230	4.84%	0.367%
100	18.546	1471	1475	1481	rBV3	632826	1993383	7.29%	0.553%

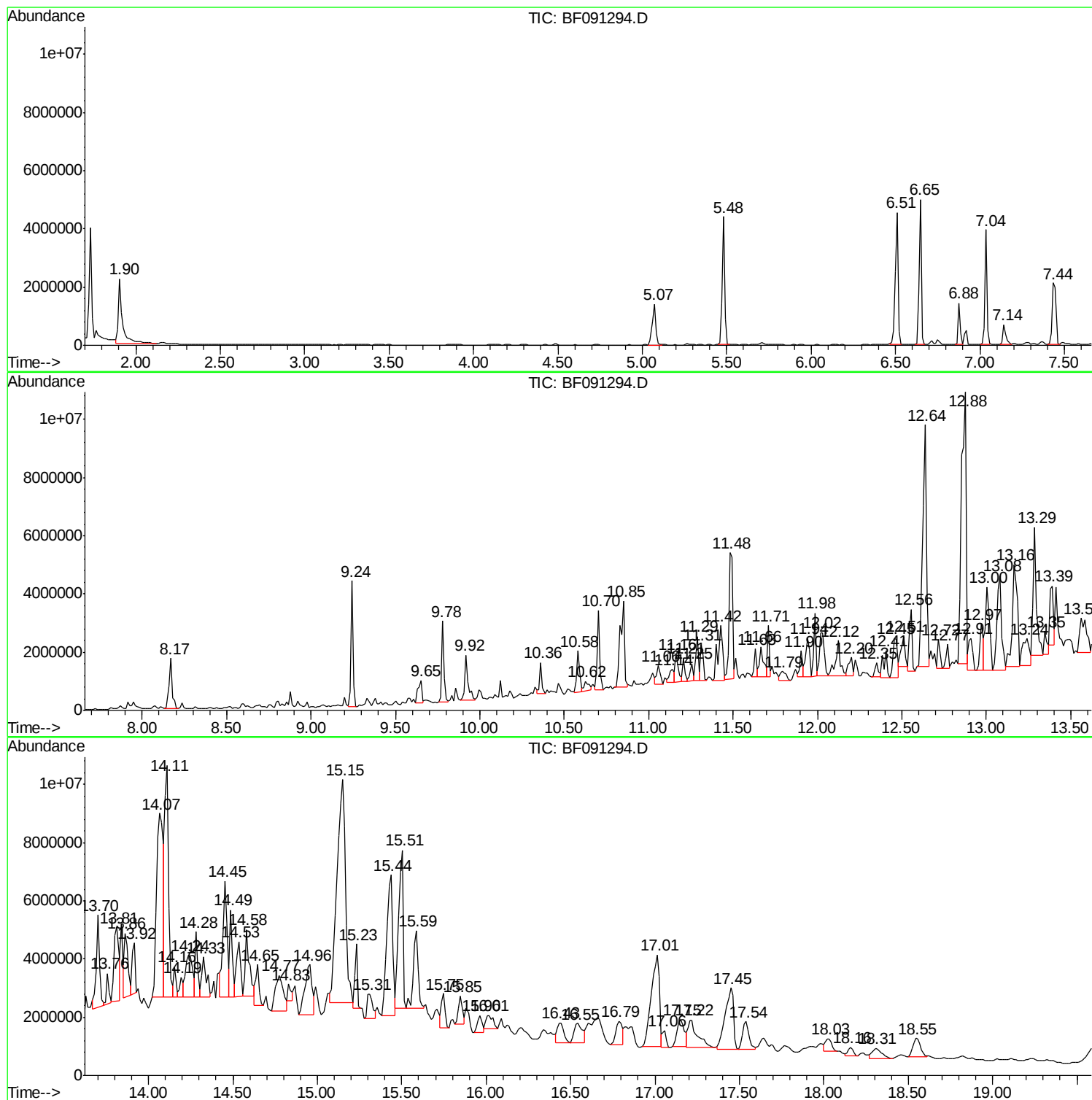
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Instrument :
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ClientSampleId :
SB-04(0-0.16)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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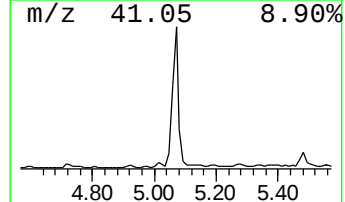
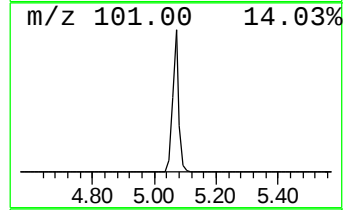
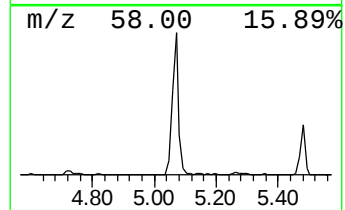
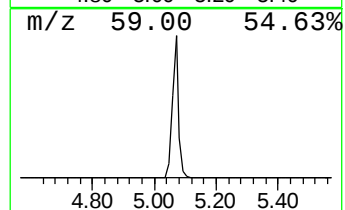
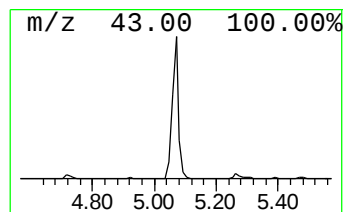
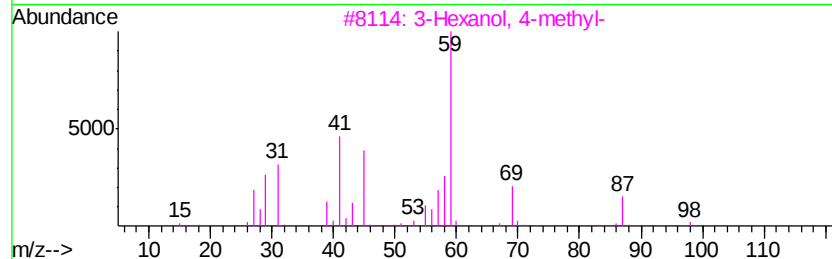
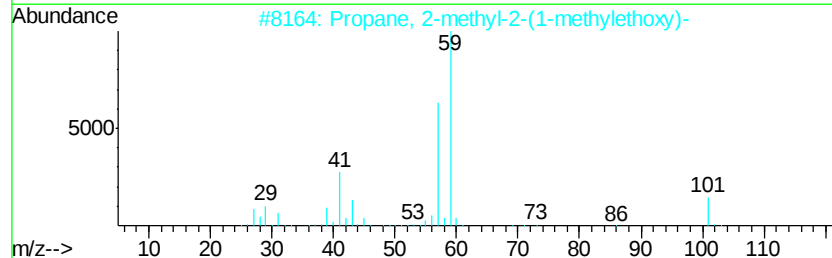
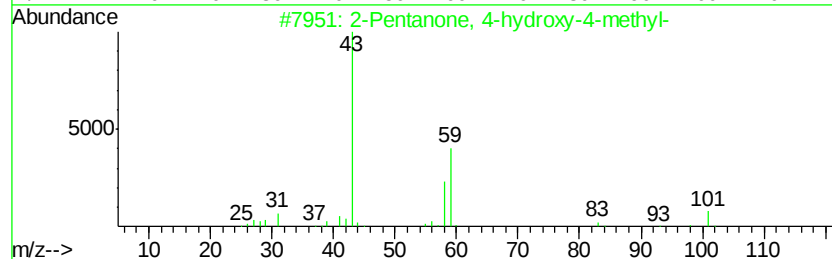
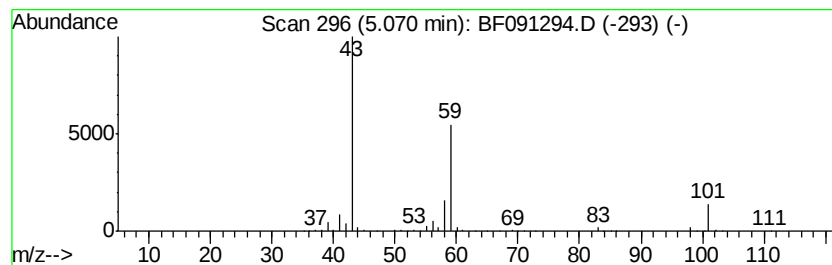
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	29.20 ng	1927330	1,4-Dichlorobenzene-d4	6.88

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2		Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
5		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25



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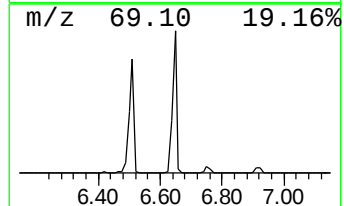
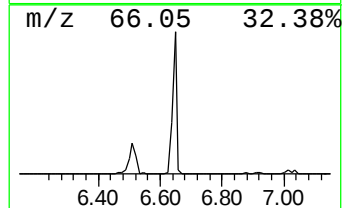
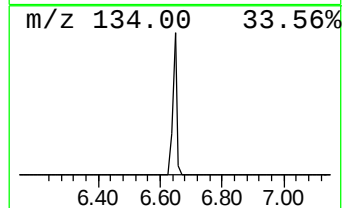
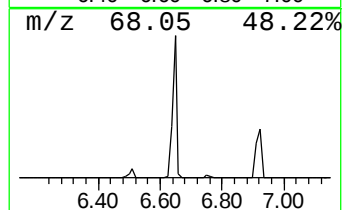
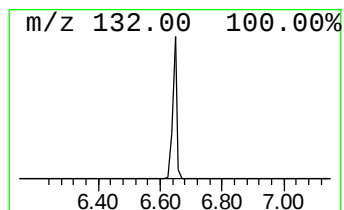
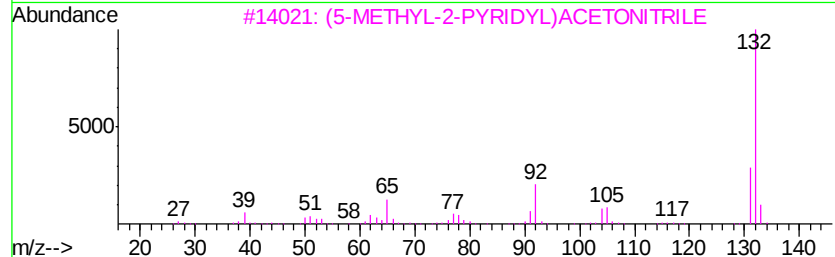
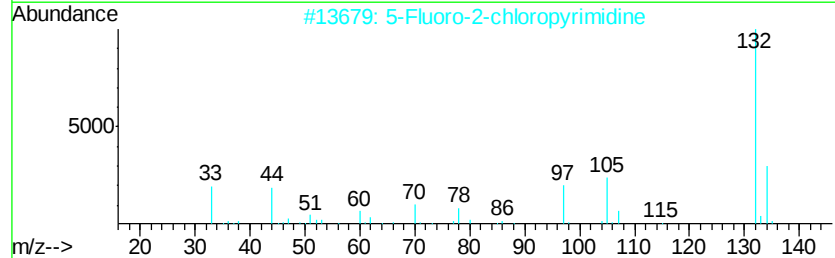
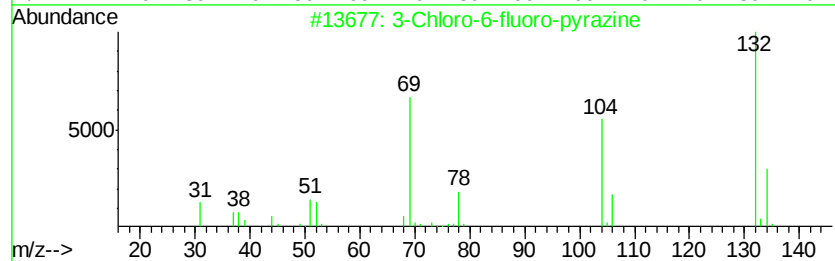
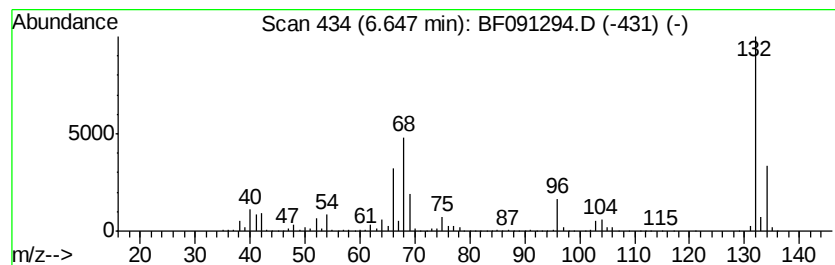
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	72.66 ng	4796700	1,4-Dichlorobenzene-d4	6.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3		(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
4		Benzene, 1,2,4-trifluoro-	132	C6H3F3	000367-23-7	9
5		Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9



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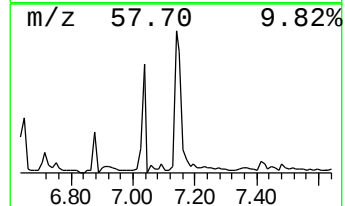
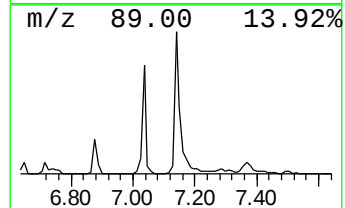
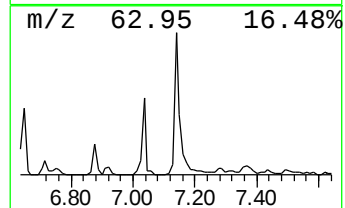
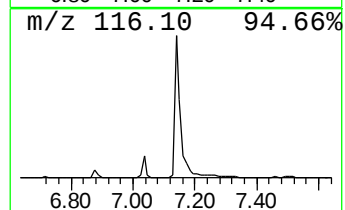
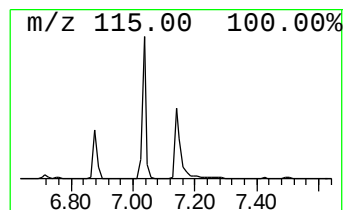
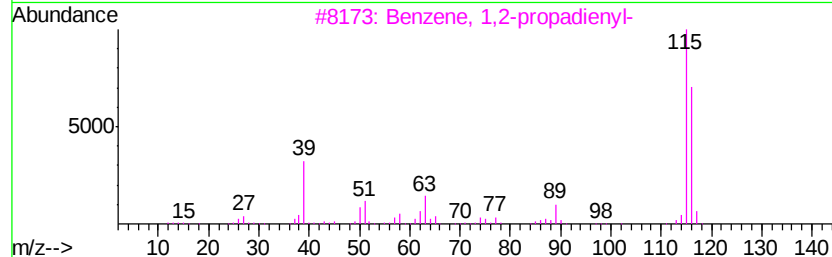
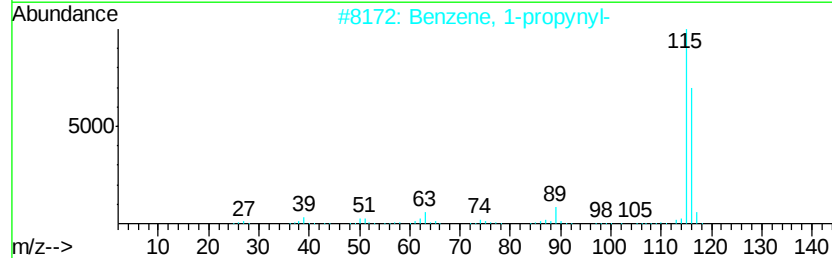
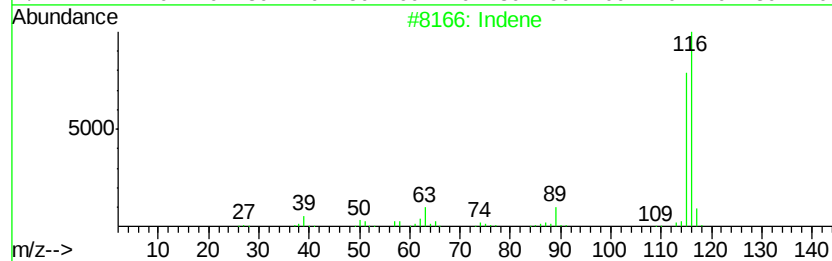
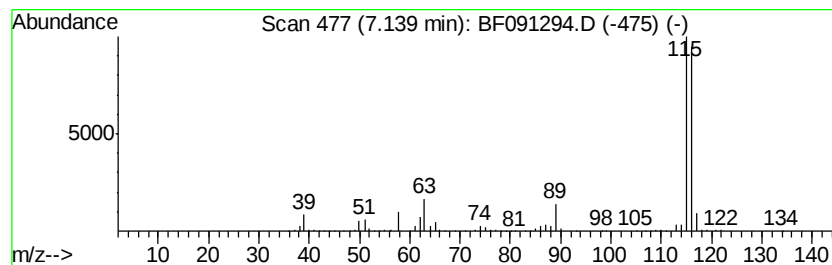
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TIC Integration Parameters: LSCINT.P

Peak Number 5 Indene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.14	13.63 ng	899639	1,4-Dichlorobenzene-d4	6.88

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene		116	C9H8	000095-13-6	94
2	Benzene, 1-propynyl-		116	C9H8	000673-32-5	90
3	Benzene, 1,2-propadienyl-		116	C9H8	002327-99-3	90
4	Benzene, 1-ethynyl-4-methyl-		116	C9H8	000766-97-2	87
5	1-Propyne, 3-phenyl-		116	C9H8	010147-11-2	56



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Operator : UM/SJ
Sample : H5740-10
Misc :
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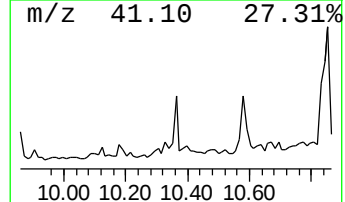
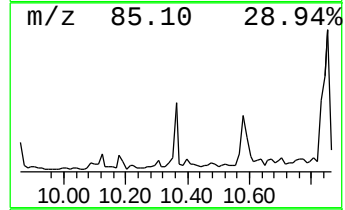
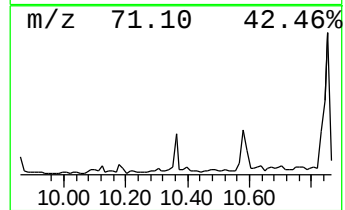
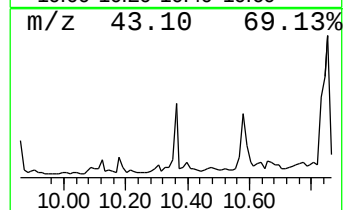
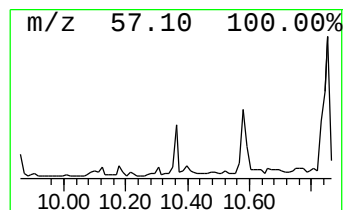
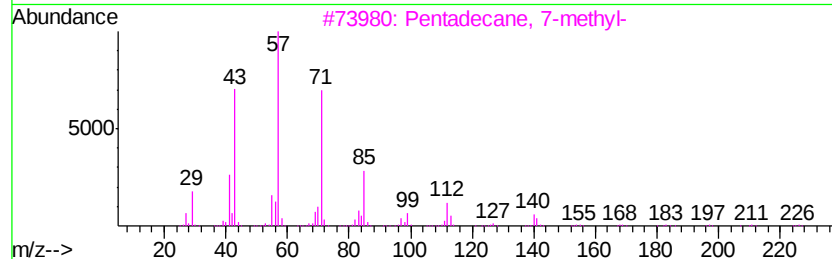
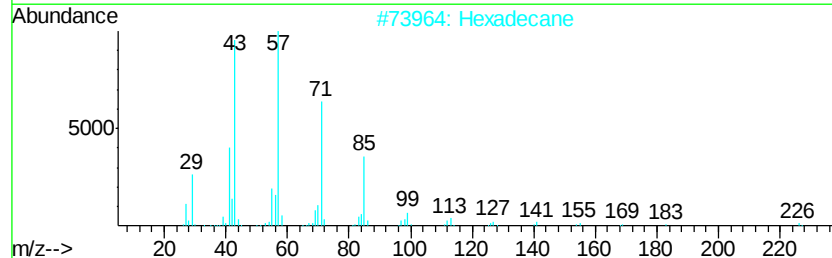
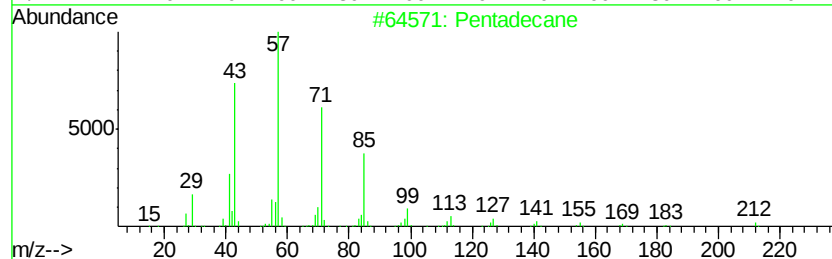
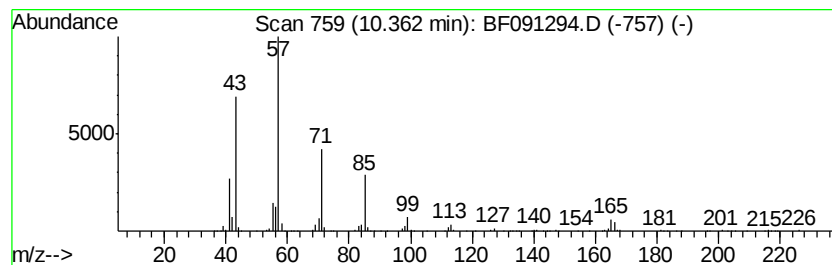
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Pentadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.36	8.99 ng	954439	Acenaphthene-d10	9.92
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Pentadecane	212 C15H32	000629-62-9	78
2	Hexadecane	226 C16H34	000544-76-3	72
3	Pentadecane, 7-methyl-	226 C16H34	006165-40-8	70
4	Dodecane, 3-methyl-	184 C13H28	017312-57-1	64
5	Octadecane, 5-methyl-	268 C19H40	025117-35-5	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
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ClientSampleId :
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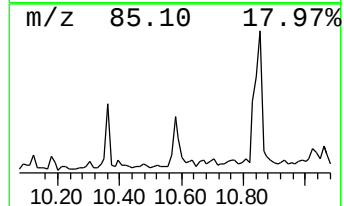
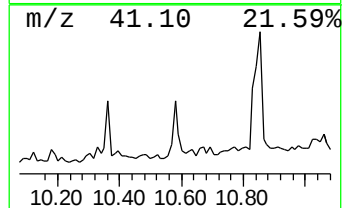
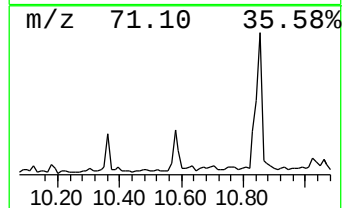
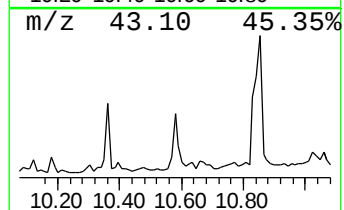
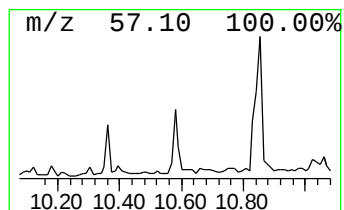
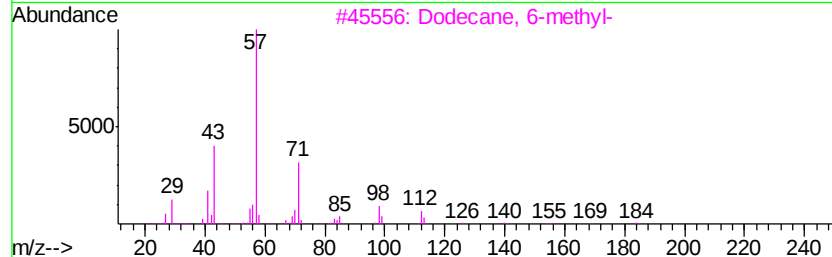
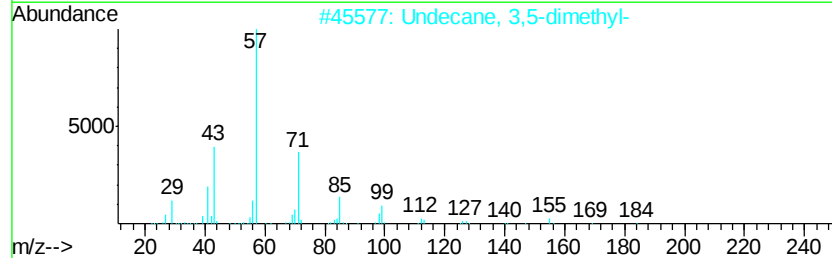
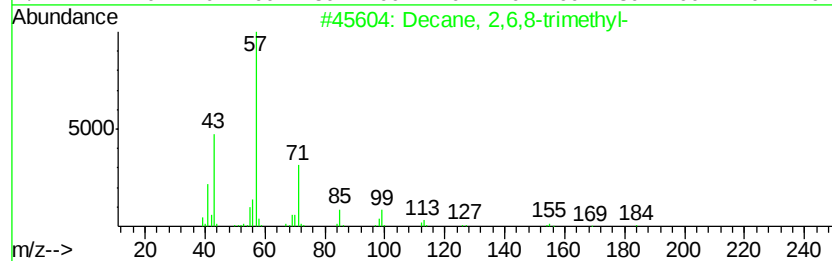
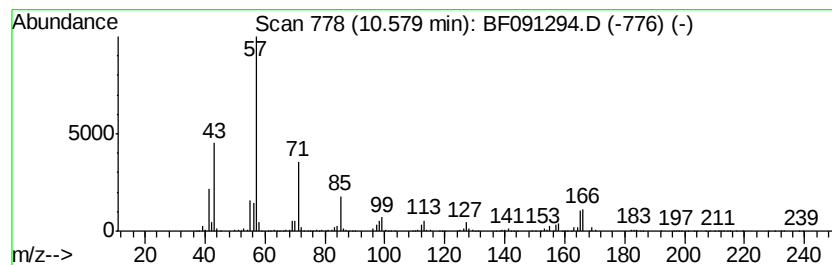
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Decane, 2,6,8-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	16.54 ng	1755910	Acenaphthene-d10	9.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	87
2		Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	60
3		Dodecane, 6-methyl-	184	C13H28	006044-71-9	55
4		Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	55
5		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
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Sample : H5740-10
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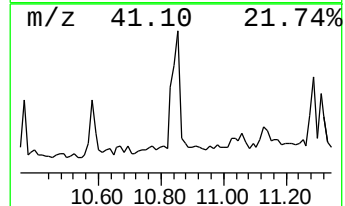
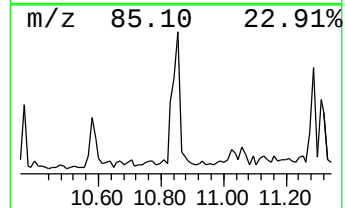
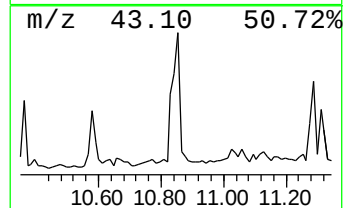
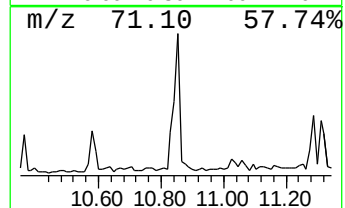
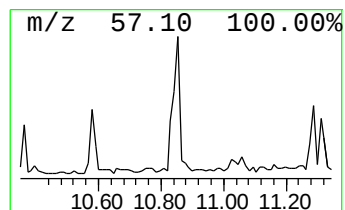
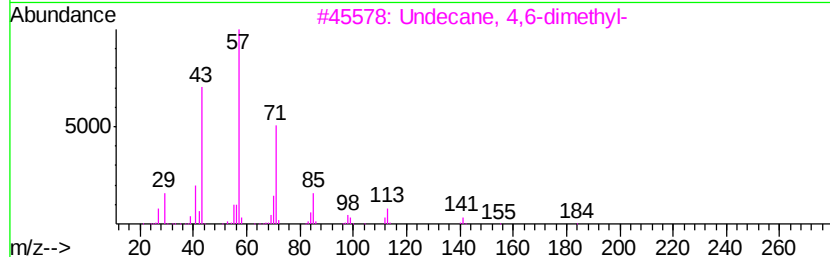
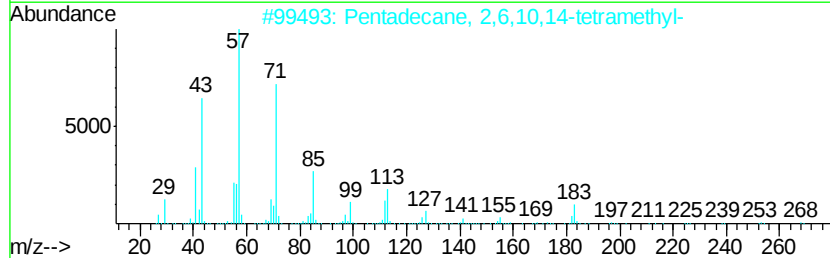
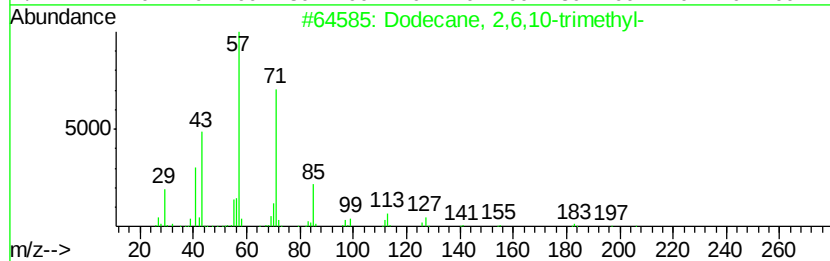
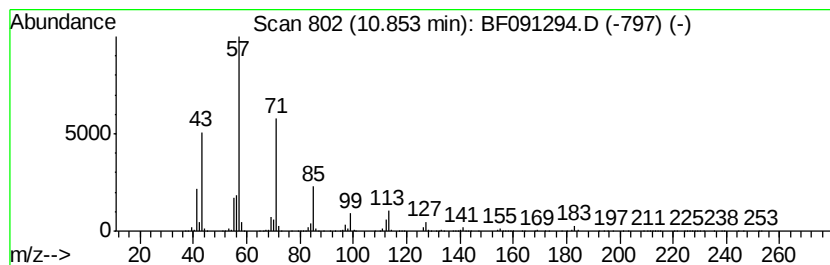
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Dodecane, 2,6,10-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.85	30.78 ng	5379560	Phenanthrene-d10	11.40		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	83	
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	80	
3	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	80	
4	Dodecane, 4-methyl-	184	C13H28	006117-97-1	64	
5	Decane, 5-propyl-	184	C13H28	017312-62-8	58	



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
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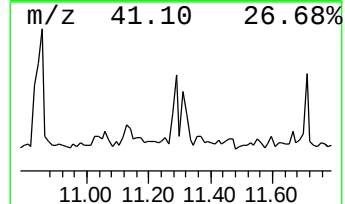
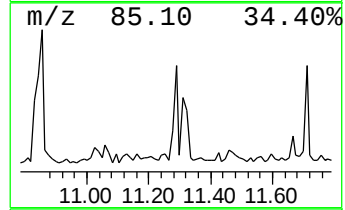
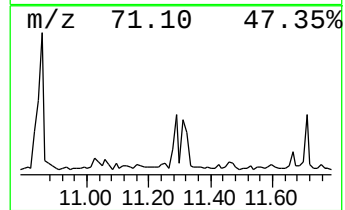
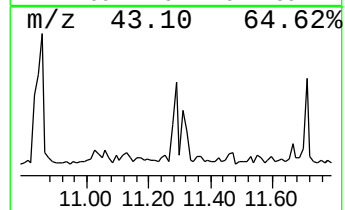
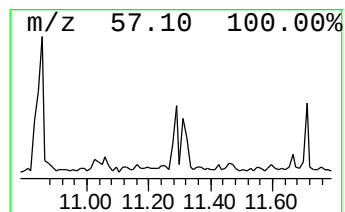
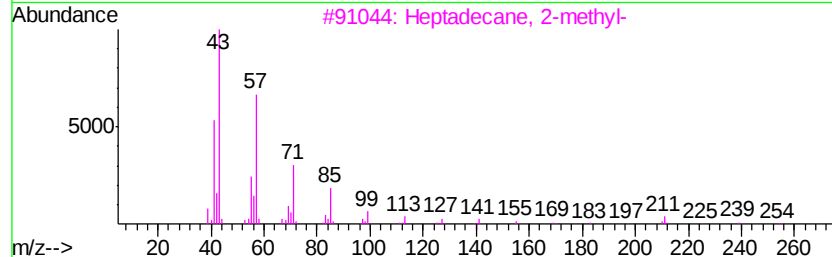
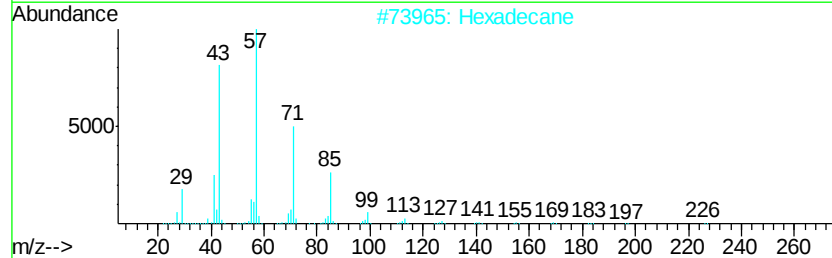
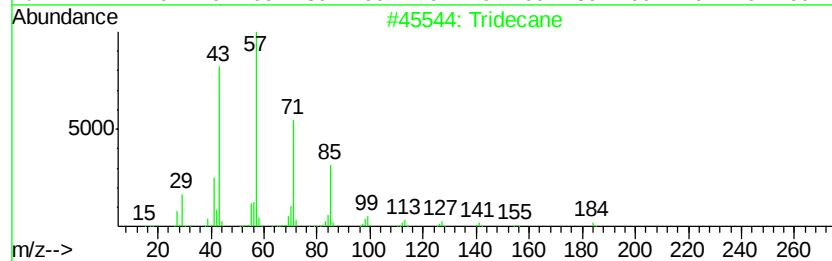
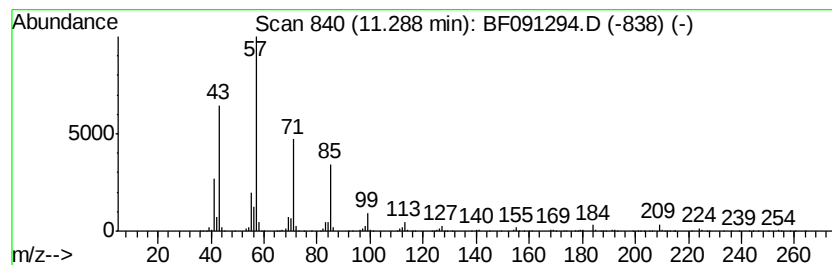
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Tridecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.29	10.09 ng	1762600	Phenanthrene-d10	11.40	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	93
2	Hexadecane	226	C16H34	000544-76-3	86
3	Heptadecane, 2-methyl-	254	C18H38	001560-89-0	72
4	Eicosane	282	C20H42	000112-95-8	72
5	Heptacosane	380	C27H56	000593-49-7	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
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Acq On : 24 Nov 2016 00:10
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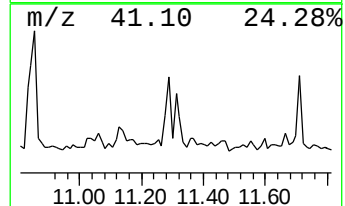
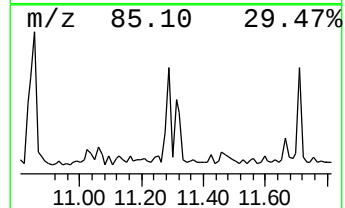
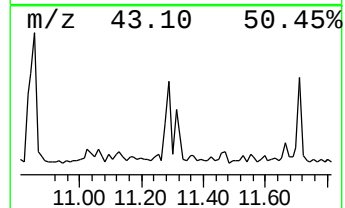
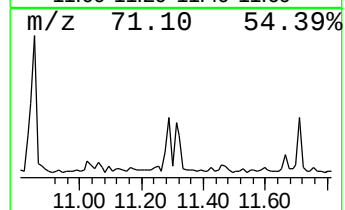
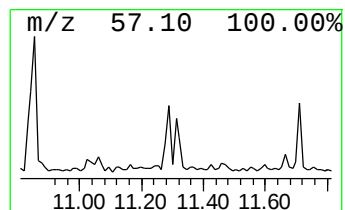
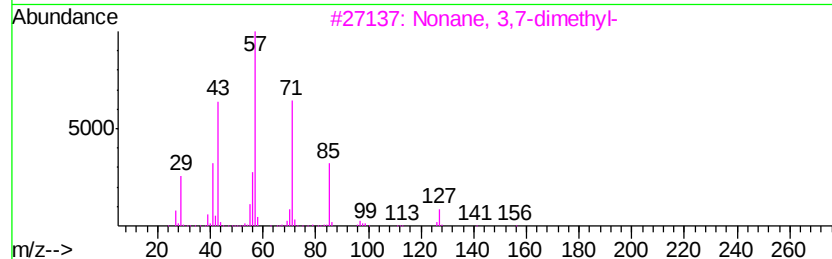
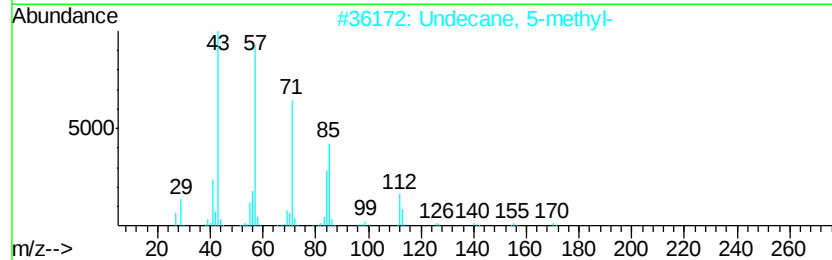
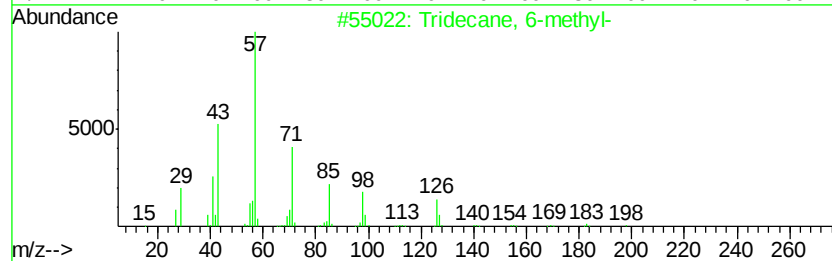
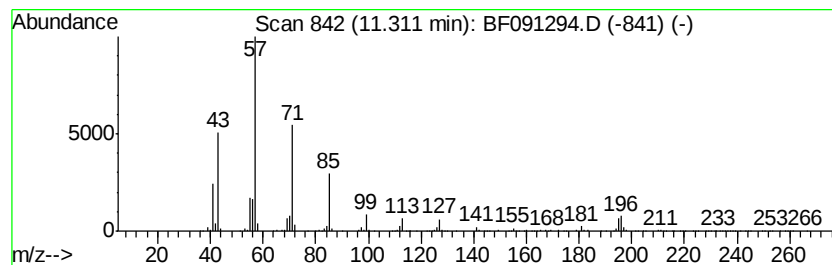
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Tridecane, 6-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.31	8.40 ng	1468180	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-methyl-	198	C14H30	013287-21-3	64
2	Undecane, 5-methyl-	170	C12H26	001632-70-8	59
3	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	53
4	Tridecane, 2-methyl-	198	C14H30	001560-96-9	53
5	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
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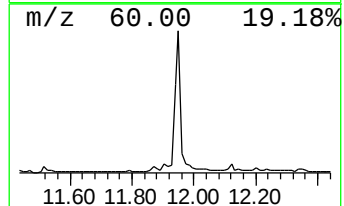
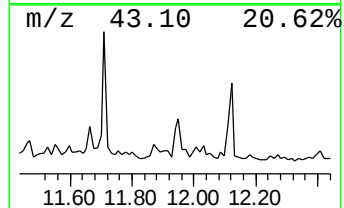
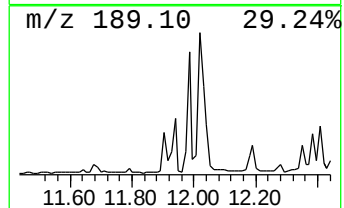
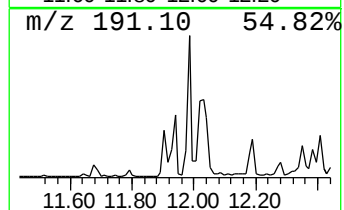
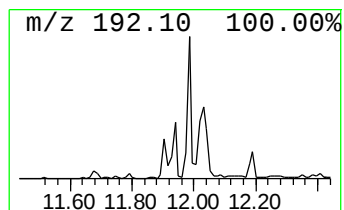
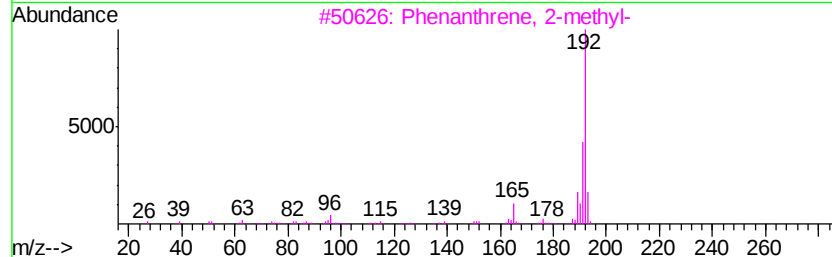
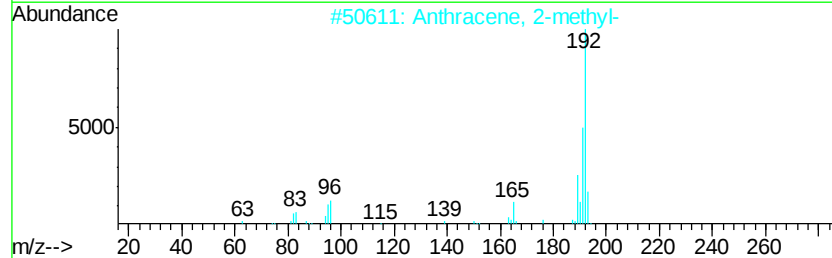
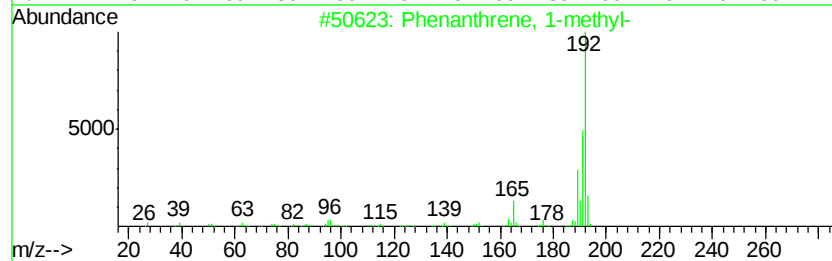
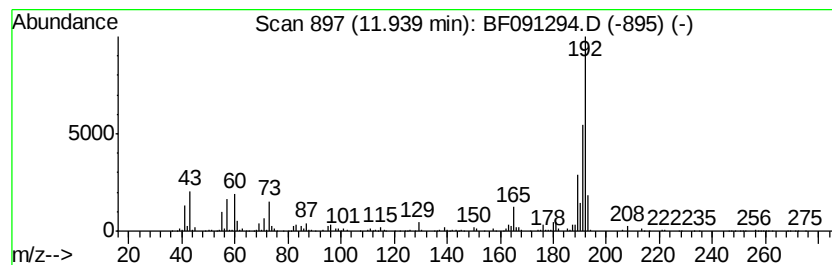
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	10.73 ng	1875210	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
Data File : BF091294.D
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Operator : UM/SJ
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Misc :
ALS Vial : 17 Sample Multiplier: 1

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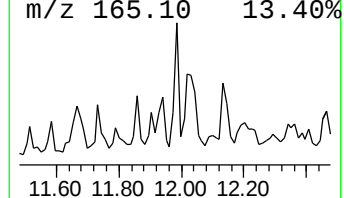
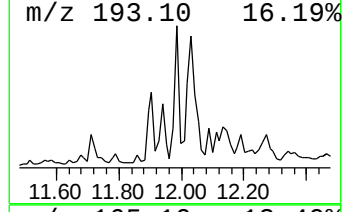
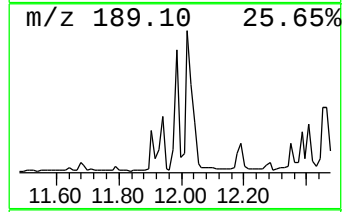
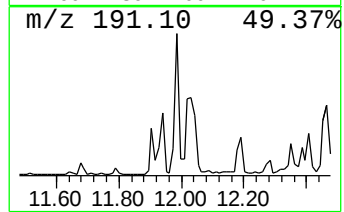
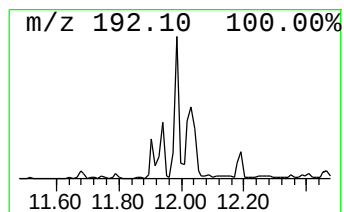
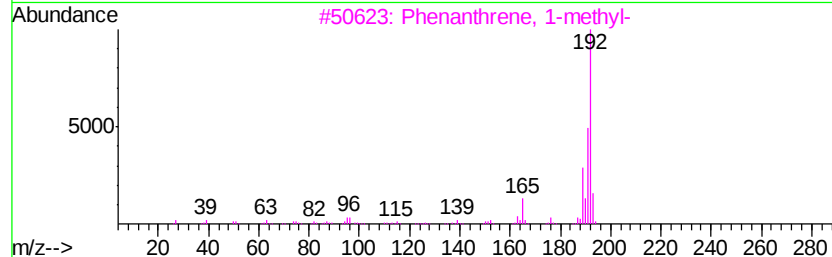
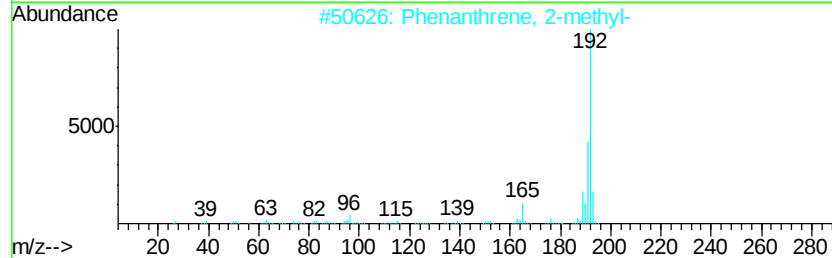
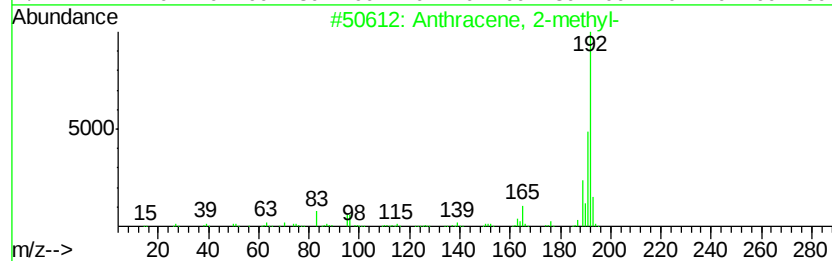
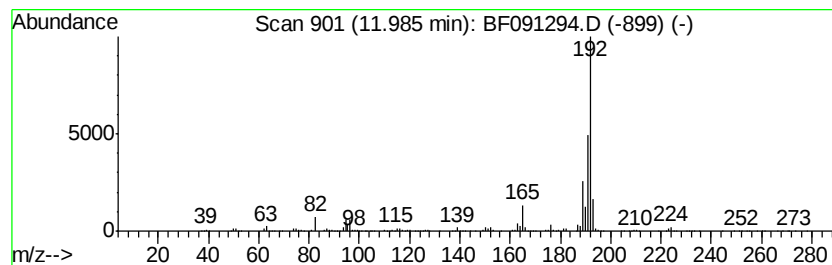
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	11.69 ng	2042360	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	96
5		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
Data File : BF091294.D
Acq On : 24 Nov 2016 00:10
Operator : UM/SJ
Sample : H5740-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-04(0-0.16)

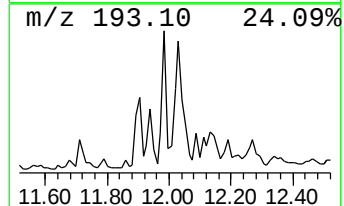
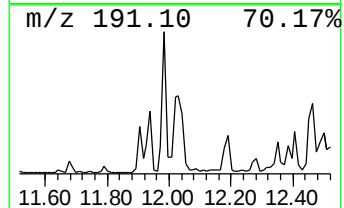
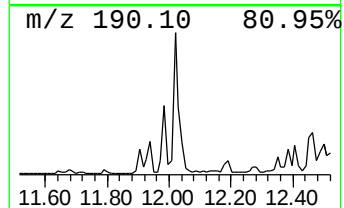
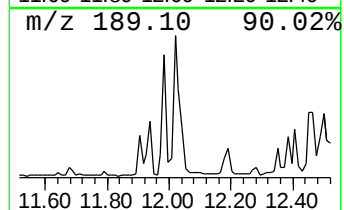
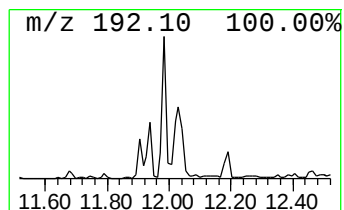
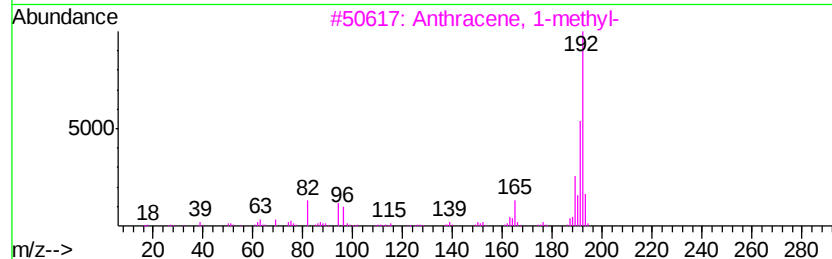
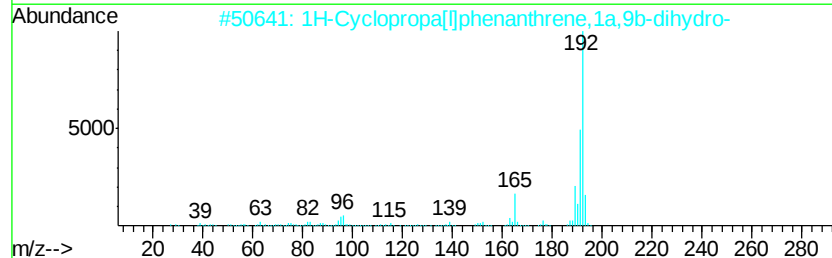
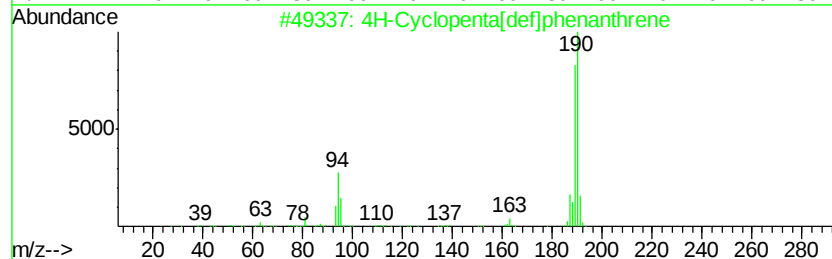
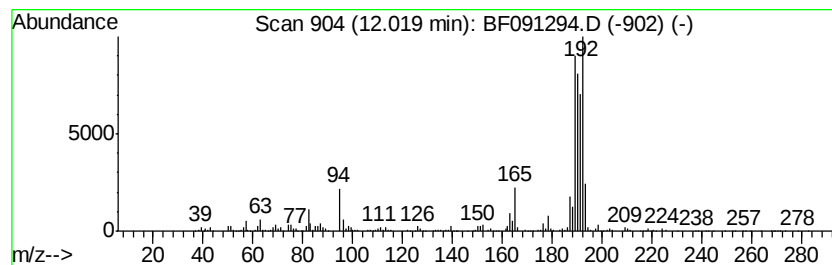
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 unknown12.02 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	17.27 ng	3018780	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
2		1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	46
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
4		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	46
5		8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	44



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
Data File : BF091294.D
Acq On : 24 Nov 2016 00:10
Operator : UM/SJ
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Instrument :
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ClientSampleId :
SB-04(0-0.16)

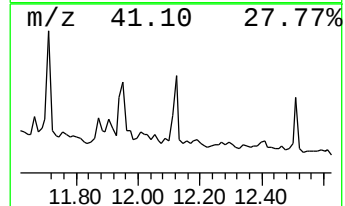
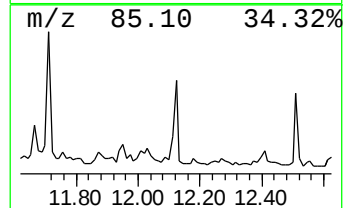
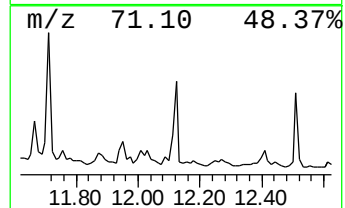
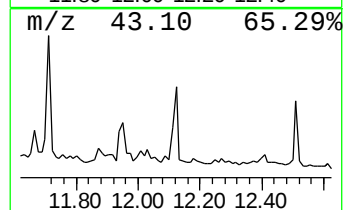
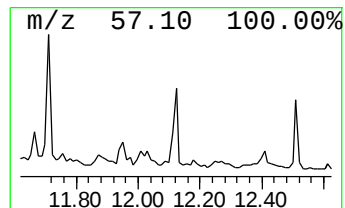
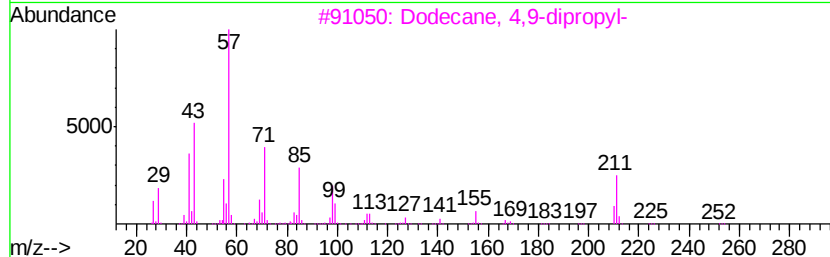
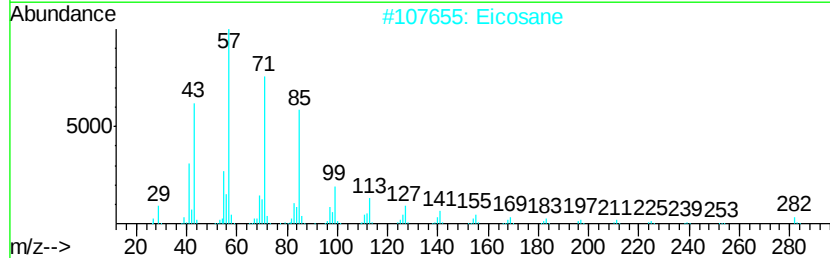
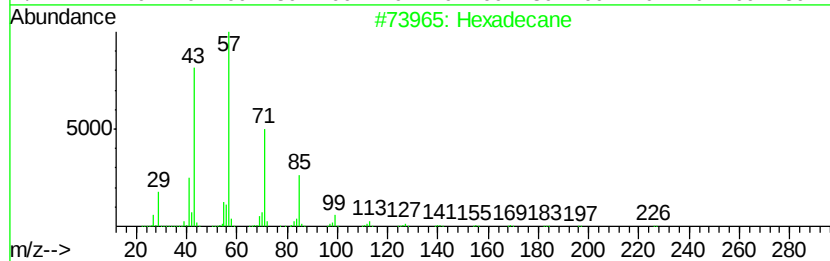
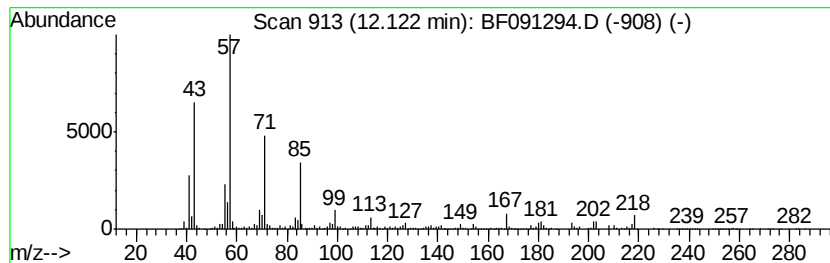
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Hexadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	13.59 ng	2375590	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	95
2		Eicosane	282	C20H42	000112-95-8	95
3		Dodecane, 4,9-dipropyl-	254	C18H38	003054-63-5	74
4		Heptadecane	240	C17H36	000629-78-7	74
5		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
Data File : BF091294.D
Acq On : 24 Nov 2016 00:10
Operator : UM/SJ
Sample : H5740-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

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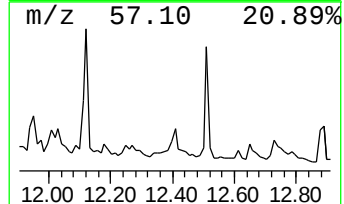
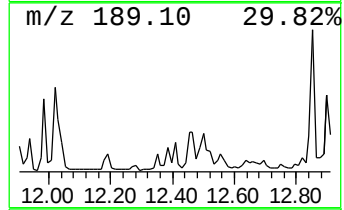
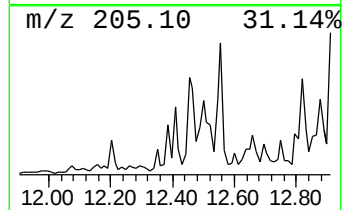
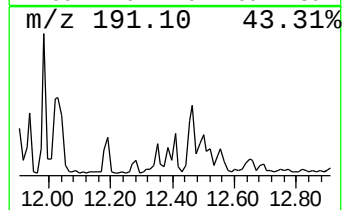
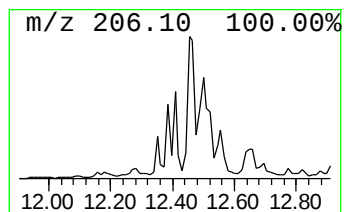
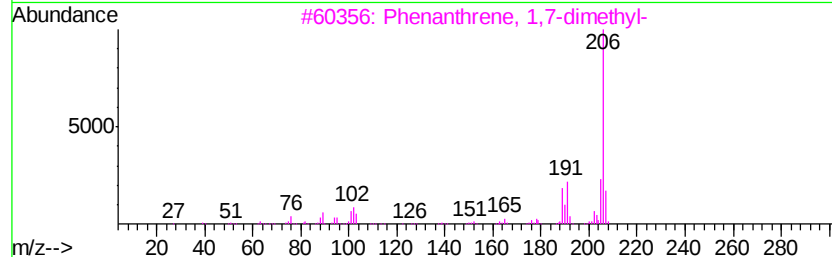
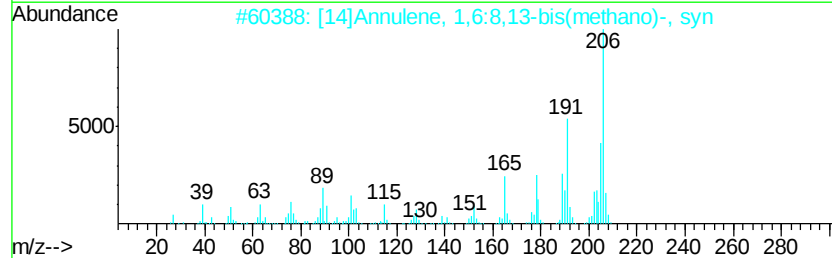
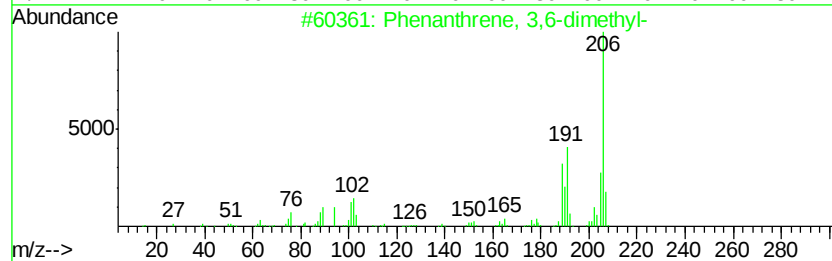
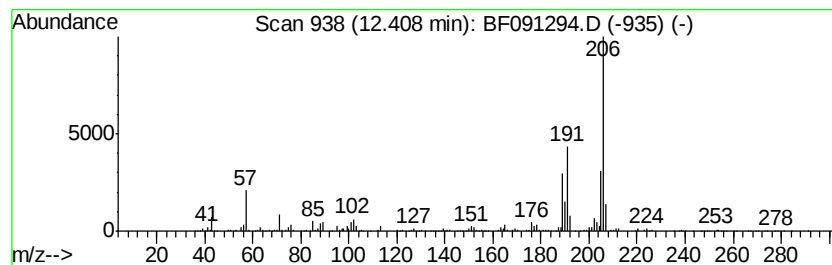
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	8.37 ng	1463490	Phenanthrene-d10	11.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2			[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	90
3			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
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Acq On : 24 Nov 2016 00:10
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Sample : H5740-10
Misc :
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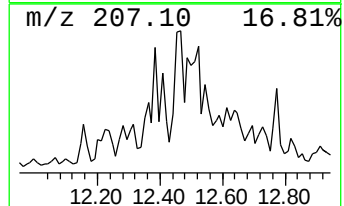
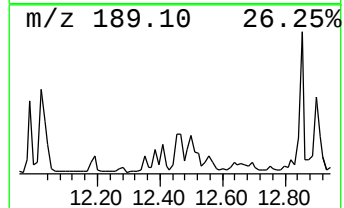
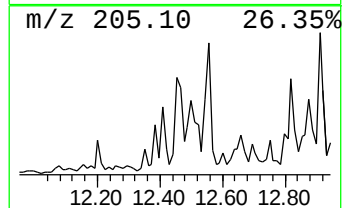
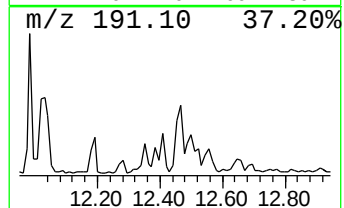
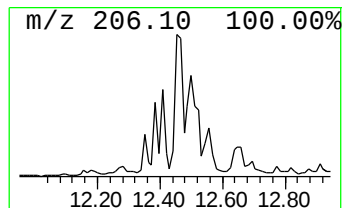
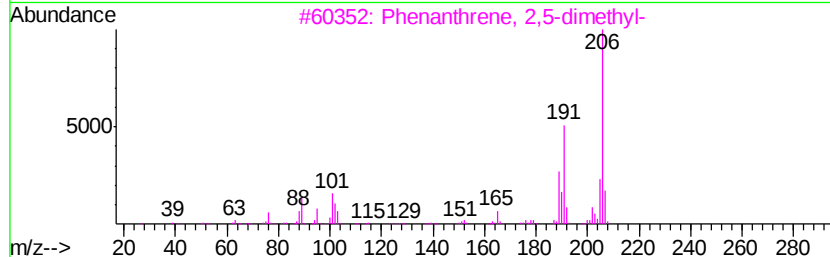
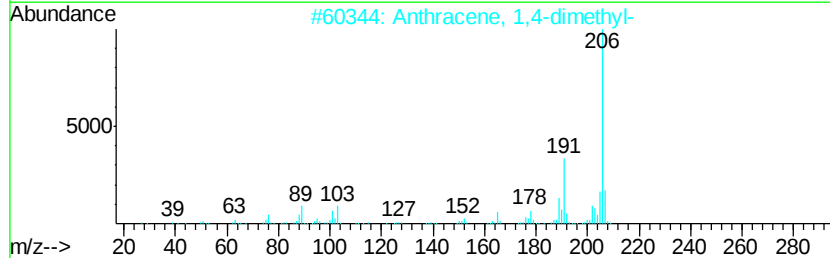
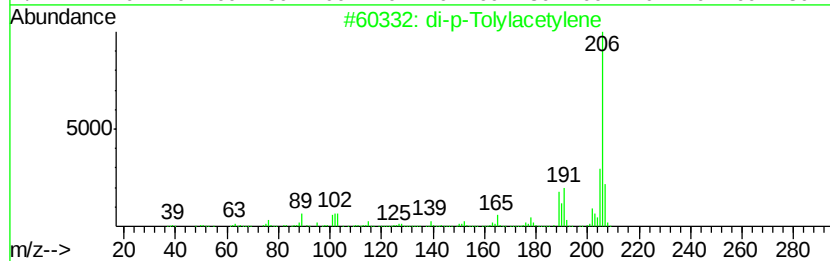
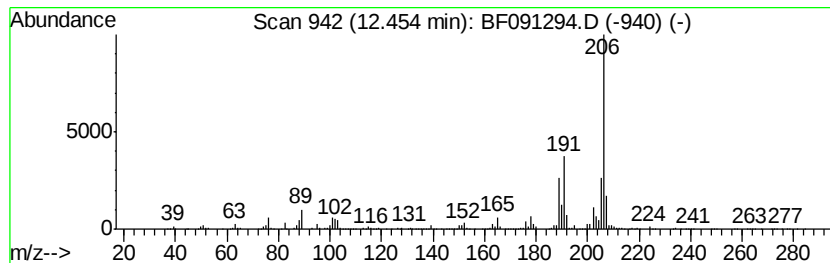
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 di-p-Tolylacetylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.45	13.34 ng	2332020	Phenanthrene-d10	11.40	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
Data File : BF091294.D
Acq On : 24 Nov 2016 00:10
Operator : UM/SJ
Sample : H5740-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-04(0-0.16)

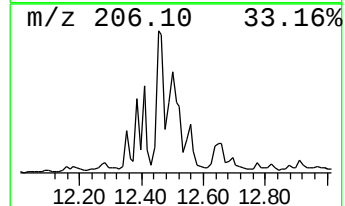
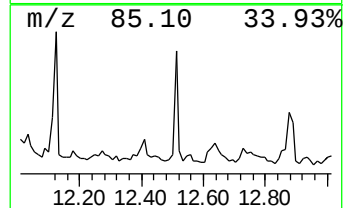
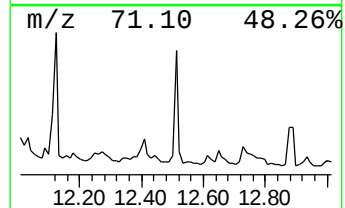
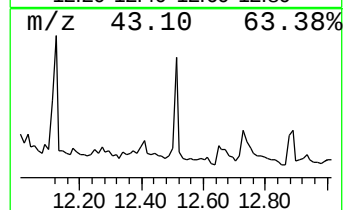
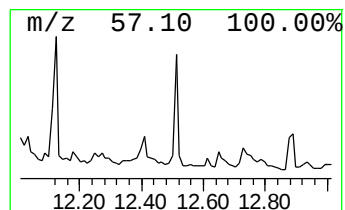
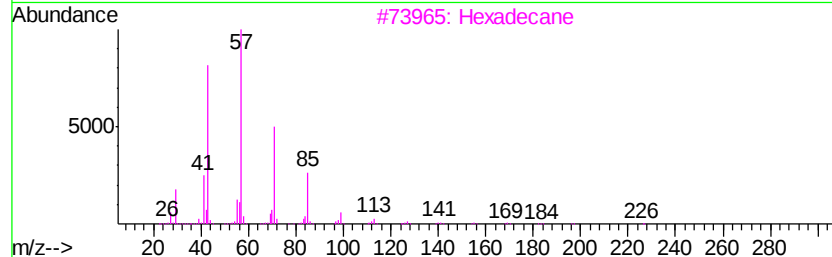
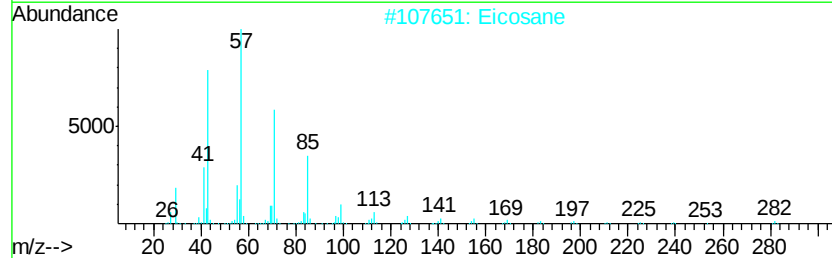
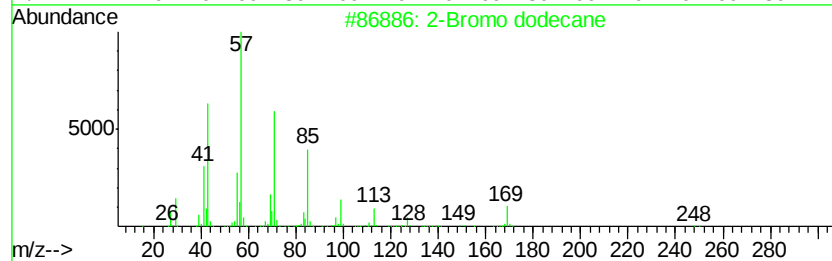
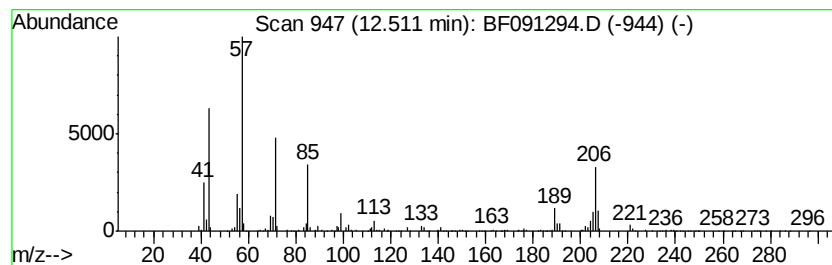
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 unknown12.51 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	9.56 ng	1670320	Phenanthrene-d10	11.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo	dodecane	248	C12H25Br	013187-99-0	49	
2	Eicosane		282	C20H42	000112-95-8	49	
3	Hexadecane		226	C16H34	000544-76-3	49	
4	Octadecane		254	C18H38	000593-45-3	47	
5	Tridecane, 1-iodo-		310	C13H27I	035599-77-0	47	



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
Data File : BF091294.D
Acq On : 24 Nov 2016 00:10
Operator : UM/SJ
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Misc :
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ClientSampleId :
SB-04(0-0.16)

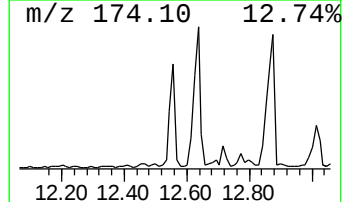
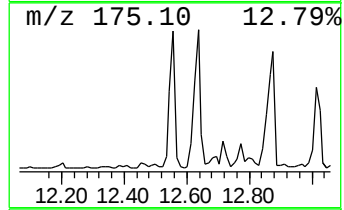
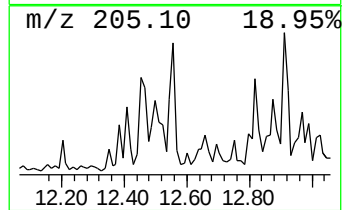
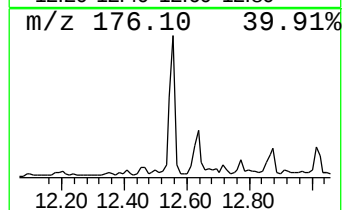
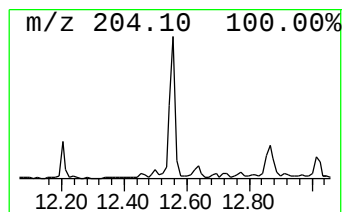
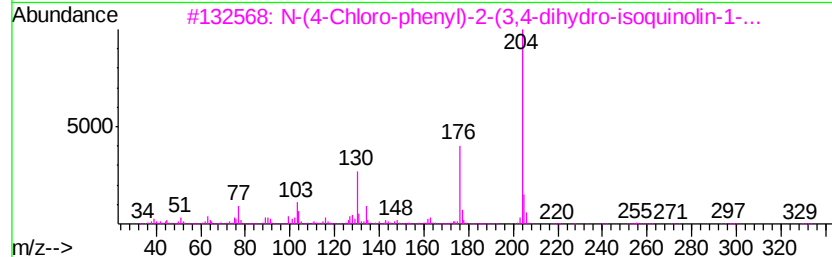
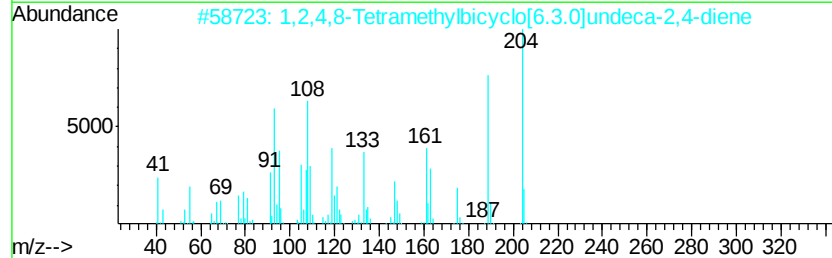
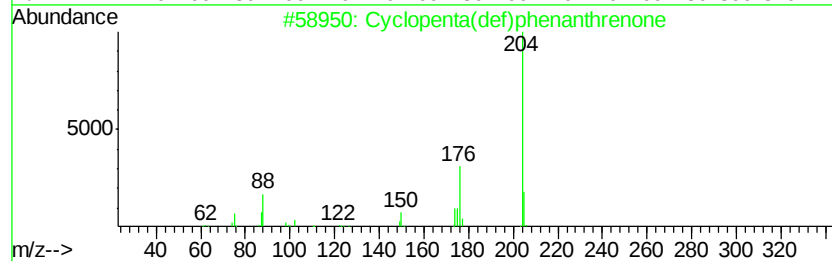
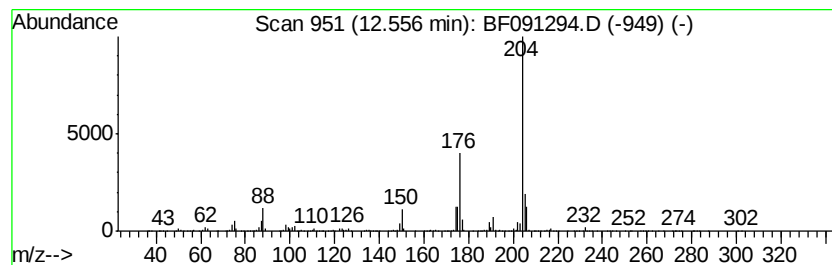
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	13.94 ng	2436360	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
3		N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	45
4		4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	42
5		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	40



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
Data File : BF091294.D
Acq On : 24 Nov 2016 00:10
Operator : UM/SJ
Sample : H5740-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-04(0-0.16)

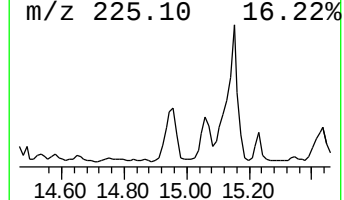
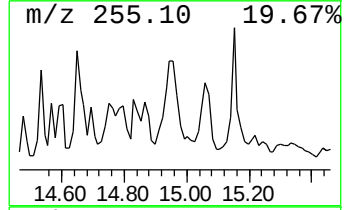
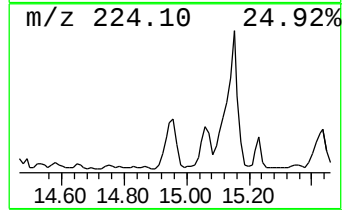
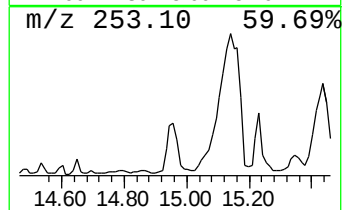
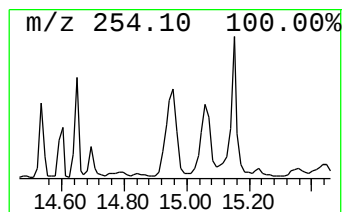
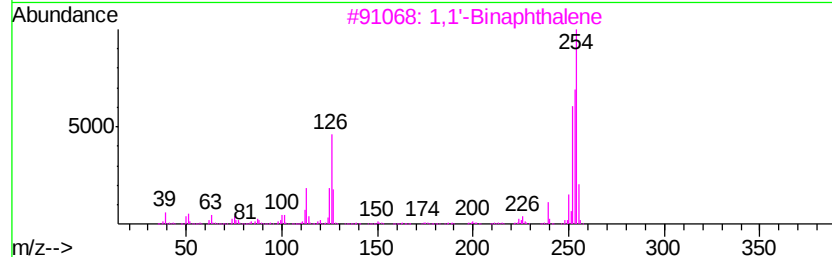
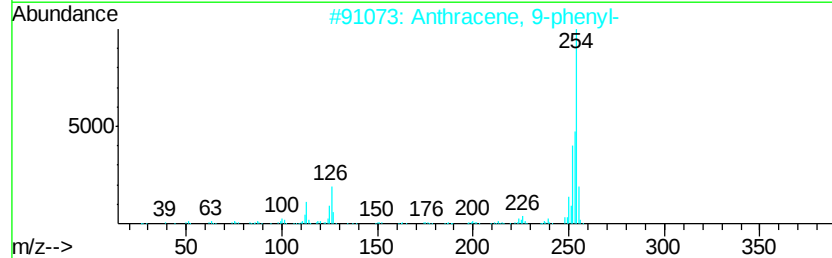
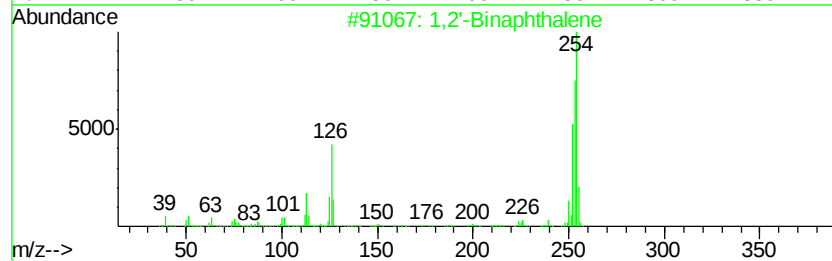
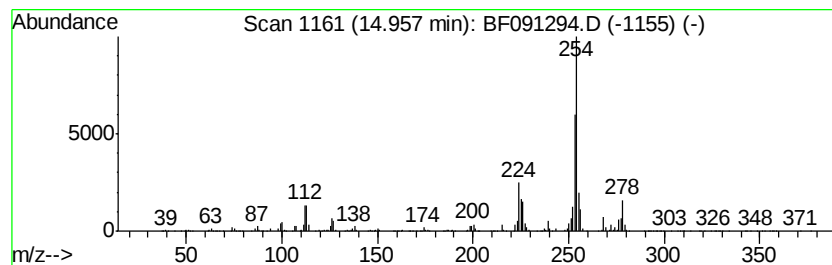
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 1,2'-Binaphthalene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	10.14 ng	5262380	Perylene-d12	15.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2'-Binaphthalene	254	C20H14	004325-74-0	70
2		Anthracene, 9-phenyl-	254	C20H14	000602-55-1	62
3		1,1'-Binaphthalene	254	C20H14	000604-53-5	58
4		Benzenamine, 4-(2-benzothiazolyl...	254	C15H14N2S	010205-56-8	58
5		4-Hydroxy-2,7-diamino-6-phenylpt...	254	C12H10N6O	019375-89-4	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
Data File : BF091294.D
Acq On : 24 Nov 2016 00:10
Operator : UM/SJ
Sample : H5740-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-04(0-0.16)

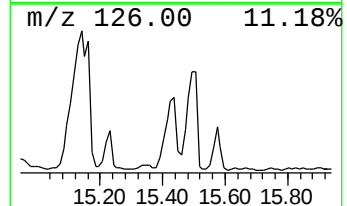
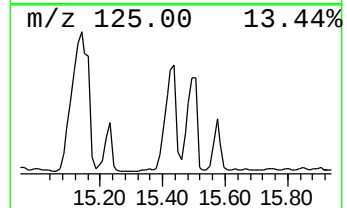
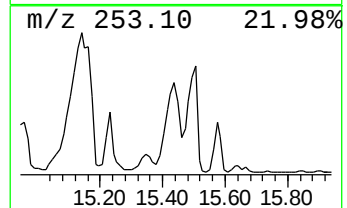
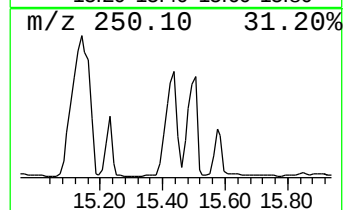
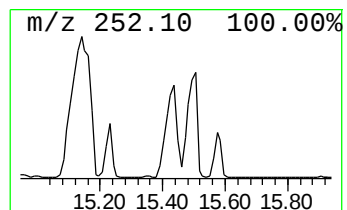
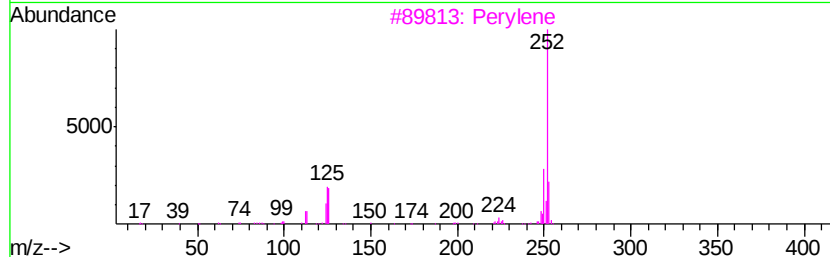
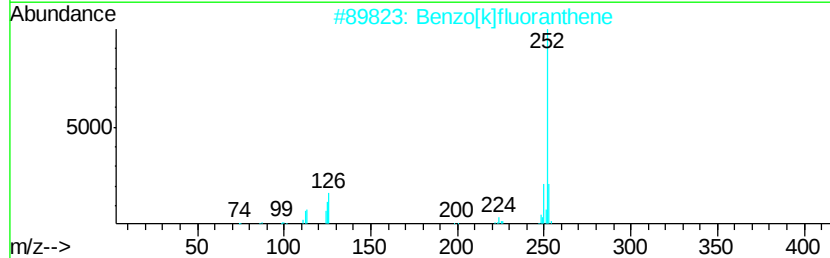
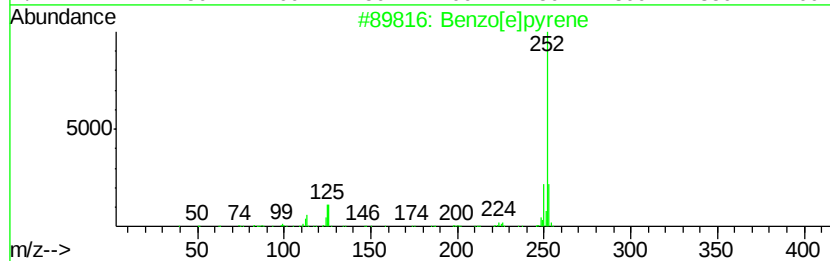
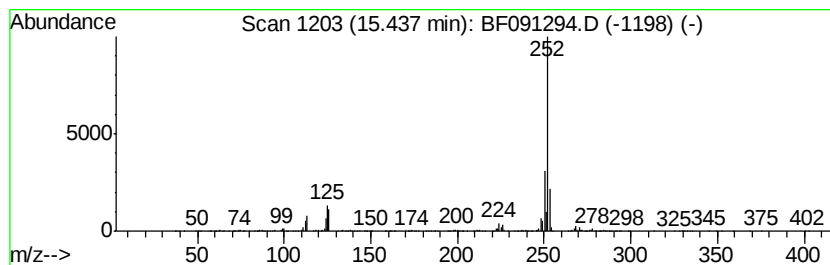
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	23.56 ng	12233300	Perylene-d12	15.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3		Perylene	252	C20H12	000198-55-0	95
4		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
 Data File : BF091294.D
 Acq On : 24 Nov 2016 00:10
 Operator : UM/SJ
 Sample : H5740-10
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04(0-0.16)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.07	29.2	ng	1927330	1	6.88	1320320	20.0
unknown6.65	6.65	72.7	ng	4796700	1	6.88	1320320	20.0
Indene	7.14	13.6	ng	899639	1	6.88	1320320	20.0
Pentadecane	10.36	9.0	ng	954439	3	9.92	2123140	20.0
Decane, 2,6,8-tri...	10.58	16.5	ng	1755910	3	9.92	2123140	20.0
Dodecane, 2,6,10-...	10.85	30.8	ng	5379560	4	11.40	3495100	20.0
Tridecane	11.29	10.1	ng	1762600	4	11.40	3495100	20.0
Tridecane, 6-methyl-	11.31	8.4	ng	1468180	4	11.40	3495100	20.0
Phenanthrene, 1-m...	11.94	10.7	ng	1875210	4	11.40	3495100	20.0
Anthracene, 2-met...	11.98	11.7	ng	2042360	4	11.40	3495100	20.0
unknown12.02	12.02	17.3	ng	3018780	4	11.40	3495100	20.0
Hexadecane	12.12	13.6	ng	2375590	4	11.40	3495100	20.0
Phenanthrene, 3,6...	12.41	8.4	ng	1463490	4	11.40	3495100	20.0
di-p-Tolylacetylene	12.45	13.3	ng	2332020	4	11.40	3495100	20.0
unknown12.51	12.51	9.6	ng	1670320	4	11.40	3495100	20.0
Cyclopenta(def)ph...	12.56	13.9	ng	2436360	4	11.40	3495100	20.0
1,2'-Binaphthalene	14.96	10.1	ng	5262380	6	15.54	10384300	20.0
Benzo[e]pyrene	15.44	23.6	ng	12233300	6	15.54	10384300	20.0