

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
 Data File : BF077525.D
 Acq On : 2 Mar 2015 16:33
 Operator : TP/IZ
 Sample : G1399-10 2X
 Misc : S
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB4(2-4)

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: CENTROID

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.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	1.401	43	45	48	rBV	2262786	2565076	21.70%	1.195%
2	6.968	529	532	534	rBV	786460	727559	6.16%	0.339%
3	8.831	693	695	696	rBV	787069	817148	6.91%	0.381%
4	8.865	696	698	700	rVB	577660	676451	5.72%	0.315%
5	9.722	770	773	775	rVV	791553	758849	6.42%	0.354%
6	9.836	780	783	786	rBV2	1549307	2144999	18.15%	1.000%
7	10.179	811	813	815	rVB	1066243	905184	7.66%	0.422%
8	10.499	838	841	843	rBV	1110539	1720135	14.56%	0.802%
9	10.591	846	849	851	rVV	1675911	1998584	16.91%	0.931%
10	10.625	851	852	855	rVV	766108	753791	6.38%	0.351%
11	10.739	860	862	865	rVV	857169	1351743	11.44%	0.630%
12	10.831	868	870	873	rBV	2726560	3197330	27.05%	1.490%
13	11.002	883	885	887	rVB2	962859	1164678	9.86%	0.543%
14	11.048	887	889	890	rBV	1211807	1030275	8.72%	0.480%
15	11.265	904	908	911	rVV	1900253	2233483	18.90%	1.041%
16	11.414	918	921	922	rBV2	648269	1050151	8.89%	0.489%
17	11.505	928	929	931	rBV2	356016	731298	6.19%	0.341%
18	11.574	933	935	938	rVB	644418	718571	6.08%	0.335%
19	11.688	943	945	947	rVV	2692729	3130563	26.49%	1.459%
20	11.894	961	963	966	rVB2	681188	1148030	9.71%	0.535%
21	11.985	966	971	974	rVB2	1012359	2082266	17.62%	0.970%
22	12.145	983	985	987	rBV	511360	685590	5.80%	0.320%
23	12.374	1002	1005	1007	rBV	1332626	2178144	18.43%	1.015%
24	12.408	1007	1008	1010	rVB	866097	680550	5.76%	0.317%
25	12.477	1012	1014	1016	rBV	933113	957224	8.10%	0.446%
26	12.568	1018	1022	1025	rBV4	333461	1070899	9.06%	0.499%
27	12.728	1033	1036	1039	rVB	1948760	2558614	21.65%	1.192%
28	12.854	1044	1047	1048	rBV	850916	1051680	8.90%	0.490%
29	12.888	1048	1050	1052	rVB	6416386	9804869	82.97%	4.570%
30	12.957	1052	1056	1057	rVB	2946776	4334280	36.68%	2.020%
31	13.002	1057	1060	1062	rBV	656232	1100078	9.31%	0.513%
32	13.265	1081	1083	1086	rVB	1562552	1767545	14.96%	0.824%
33	13.368	1090	1092	1095	rVB	1075841	1477529	12.50%	0.689%
34	13.482	1098	1102	1104	rBV	3350407	4691468	39.70%	2.187%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.517	1104	1105	1108	rVB	3187754	3214544	27.20%	1.498%
36	13.574	1108	1110	1112	rBV	1416864	1901470	16.09%	0.886%
37	13.620	1112	1114	1116	rBV	4966791	6462327	54.68%	3.012%
38	13.654	1116	1117	1119	rVB	2791632	1957630	16.56%	0.912%
39	13.860	1130	1135	1137	rBV	1578133	2710916	22.94%	1.263%
40	13.985	1141	1146	1147	rBV3	354346	818063	6.92%	0.381%
41	14.043	1149	1151	1153	rVV	594800	722385	6.11%	0.337%
42	14.077	1153	1154	1156	rVV	1127029	1363175	11.53%	0.635%
43	14.180	1158	1163	1164	rBV	2140753	3637840	30.78%	1.695%
44	14.214	1164	1166	1168	rVV	1876842	2742608	23.21%	1.278%
45	14.283	1170	1172	1175	rVB2	1041219	1857970	15.72%	0.866%
46	14.374	1177	1180	1184	rVB	7165922	9437239	79.85%	4.398%
47	14.443	1184	1186	1188	rBV3	866066	1294920	10.96%	0.604%
48	14.477	1188	1189	1193	rVB	1590533	1726202	14.61%	0.805%
49	14.545	1193	1195	1196	rBV	1070871	1071803	9.07%	0.500%
50	14.660	1201	1205	1206	rBV	7385178	11817973	100.00%	5.508%
51	14.683	1206	1207	1210	rVV2	566515	721199	6.10%	0.336%
52	14.728	1210	1211	1213	rVB	631037	838922	7.10%	0.391%
53	14.797	1213	1217	1219	rBV	772165	1127330	9.54%	0.525%
54	14.854	1219	1222	1225	rVB	1007497	1891800	16.01%	0.882%
55	14.923	1225	1228	1230	rBV2	1239092	2210060	18.70%	1.030%
56	15.037	1235	1238	1239	rBV3	1080532	2320317	19.63%	1.081%
57	15.060	1239	1240	1242	rVB	2865937	2964579	25.09%	1.382%
58	15.117	1242	1245	1246	rBV2	417710	855453	7.24%	0.399%
59	15.151	1246	1248	1249	rBV	2276473	2511370	21.25%	1.170%
60	15.185	1249	1251	1254	rVB	1964246	2434889	20.60%	1.135%
61	15.265	1256	1258	1259	rBV2	515097	735430	6.22%	0.343%
62	15.300	1259	1261	1263	rVB	1638302	1839546	15.57%	0.857%
63	15.345	1263	1265	1267	rVB	1498587	2082804	17.62%	0.971%
64	15.540	1279	1282	1283	rBV3	309460	737394	6.24%	0.344%
65	15.586	1283	1286	1290	rVB3	504761	1302350	11.02%	0.607%
66	15.666	1290	1293	1299	rBV2	724768	1948231	16.49%	0.908%
67	15.826	1304	1307	1309	rBV2	1482015	2614829	22.13%	1.219%
68	15.871	1309	1311	1314	rVB2	963404	1346974	11.40%	0.628%
69	16.043	1323	1326	1328	rVB2	455839	675776	5.72%	0.315%
70	16.146	1331	1335	1337	rBV2	4512616	10014700	84.74%	4.667%
71	16.191	1337	1339	1340	rVB	3583609	4654835	39.39%	2.169%

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72	16.260	1343	1345	1348	rBV2	631943	1163244	9.84%	0.542%
73	16.328	1348	1351	1352	rBV2	504447	828103	7.01%	0.386%
74	16.557	1368	1371	1373	rBV3	461208	804112	6.80%	0.375%
75	16.603	1373	1375	1376	rBV	506365	732369	6.20%	0.341%
76	16.648	1376	1379	1381	rBV	2105169	2849963	24.12%	1.328%
77	16.683	1381	1382	1384	rVB	843252	1048255	8.87%	0.489%
78	16.763	1388	1389	1391	rVB	1002748	865386	7.32%	0.403%
79	16.808	1391	1393	1394	rBV2	680118	1234478	10.45%	0.575%
80	16.900	1399	1401	1405	rVB3	359792	753095	6.37%	0.351%
81	17.071	1411	1416	1420	rBV4	400506	1597329	13.52%	0.744%
82	17.186	1423	1426	1428	rVB	559544	805941	6.82%	0.376%
83	17.449	1446	1449	1455	rBV	3198630	8206475	69.44%	3.825%
84	17.563	1456	1459	1461	rVV	1006317	1409838	11.93%	0.657%
85	17.769	1473	1477	1479	rVV	2237233	3453573	29.22%	1.610%
86	17.837	1479	1483	1485	rVV	3369287	5510169	46.63%	2.568%
87	17.883	1485	1487	1489	rVV	780986	1218339	10.31%	0.568%
88	17.917	1489	1490	1494	rVB2	1085410	1493858	12.64%	0.696%
89	18.100	1500	1506	1511	rVB3	602067	2793728	23.64%	1.302%
90	18.214	1511	1516	1518	rBV2	411744	952637	8.06%	0.444%
91	18.249	1518	1519	1523	rVB2	444659	694492	5.88%	0.324%
92	18.386	1528	1531	1533	rBV3	277914	679719	5.75%	0.317%
93	18.454	1534	1537	1541	rVB3	565016	1177798	9.97%	0.549%
94	19.026	1585	1587	1594	rVB3	326252	1135189	9.61%	0.529%
95	19.174	1597	1600	1604	rBV2	393252	931072	7.88%	0.434%
96	19.357	1611	1616	1620	rVB2	1691523	3826046	32.37%	1.783%
97	19.529	1628	1631	1633	rBV	475783	920611	7.79%	0.429%
98	19.792	1649	1654	1659	rBV	1434313	3278496	27.74%	1.528%
99	20.009	1670	1673	1682	rVB	656357	1680568	14.22%	0.783%
100	20.523	1715	1718	1725	rVB	231585	689774	5.84%	0.321%

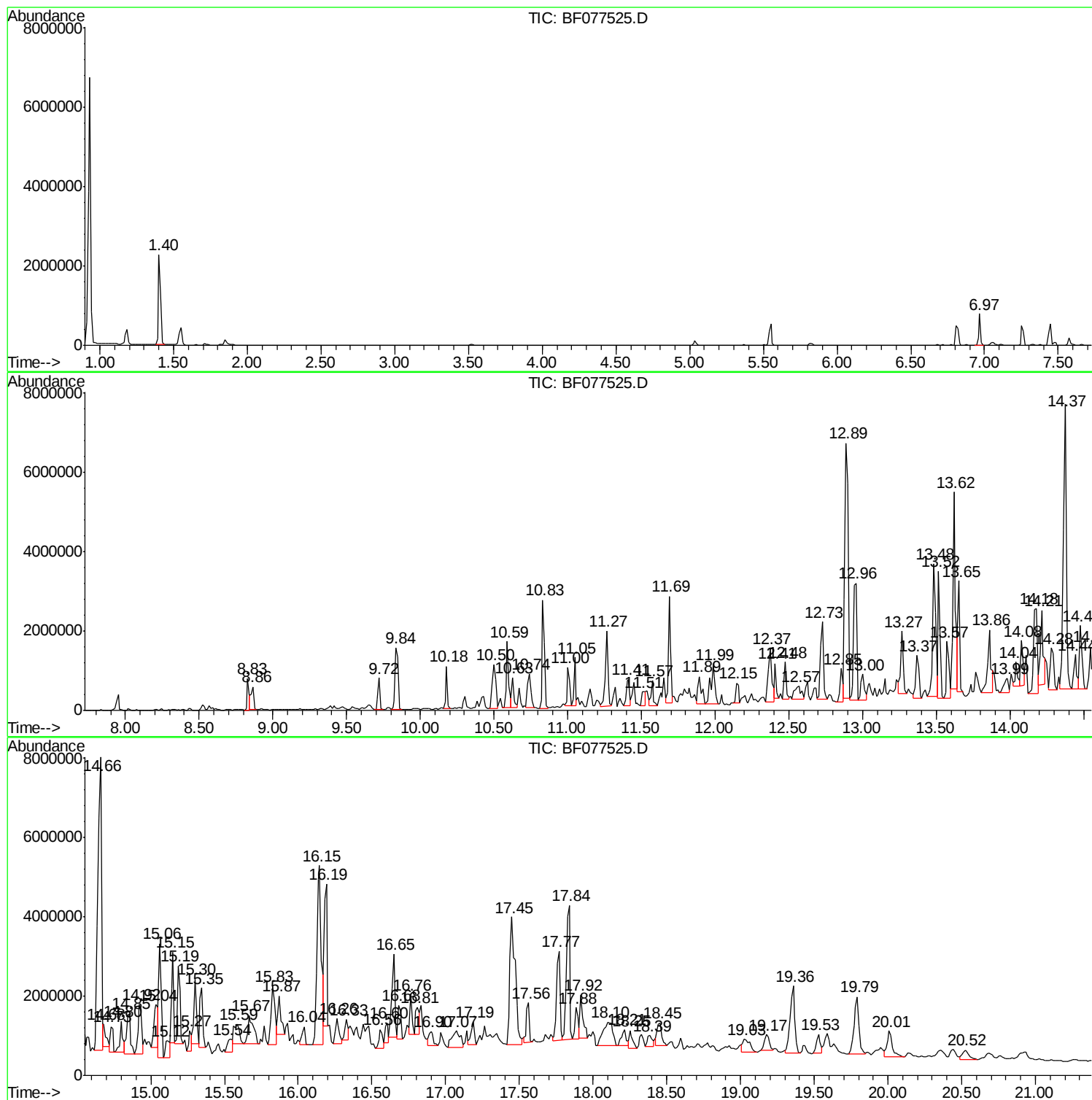
Sum of corrected areas: 214565144

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Instrument :
BNA_F
ClientSampleId :
SB4(2-4)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021915.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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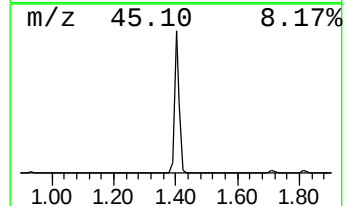
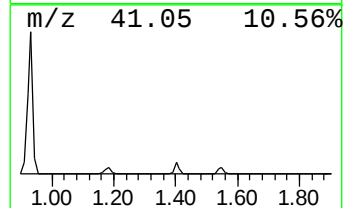
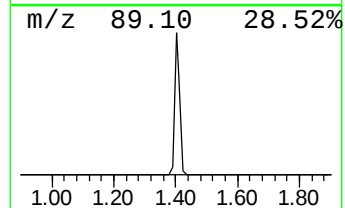
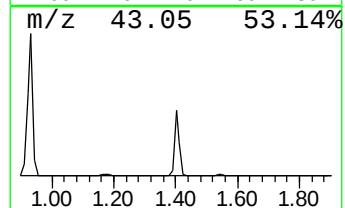
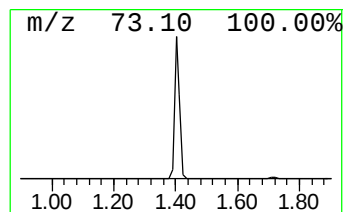
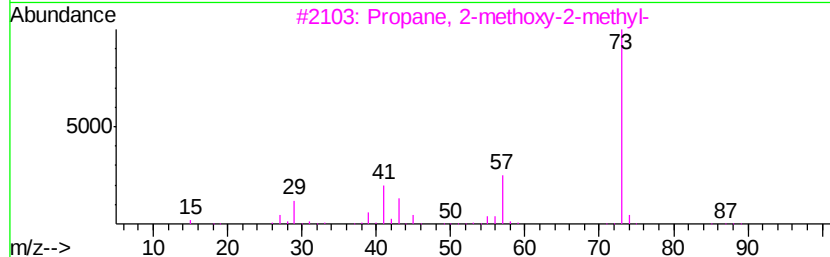
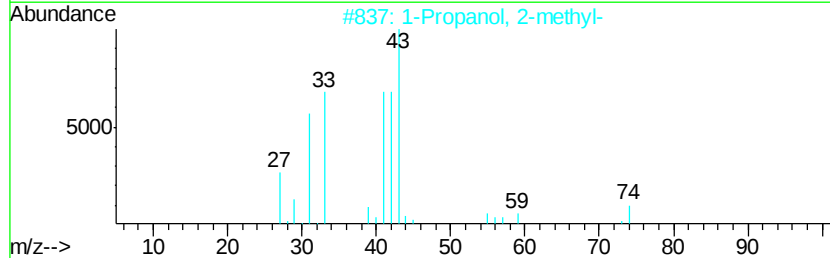
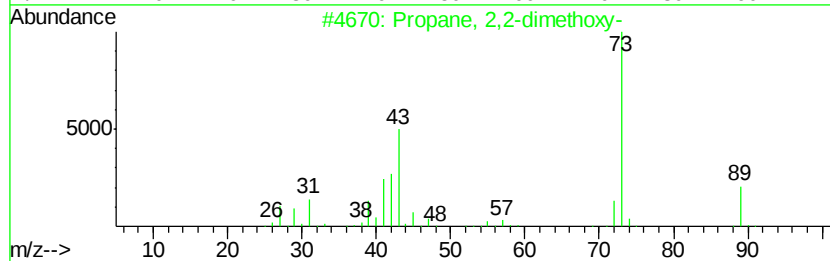
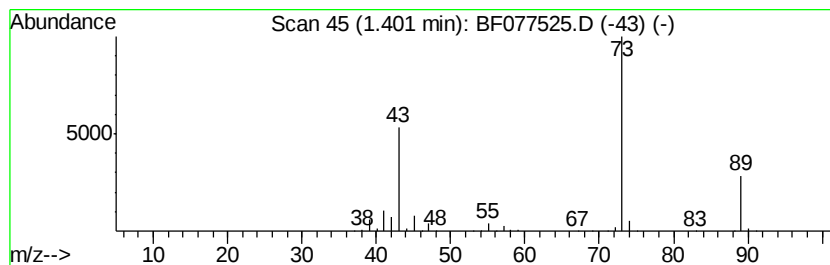
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.40	70.51 ng	2565080	1,4-Dichlorobenzene-d4	7.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	72
2		1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	9
3		Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
4		1-Hexen-4-ol, 1-chloro-3,5-dimet...	162	C8H15ClO	100244-09-5	9
5		Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	9



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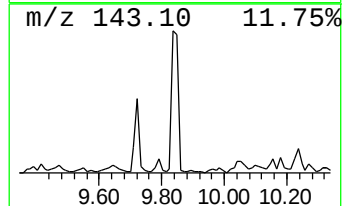
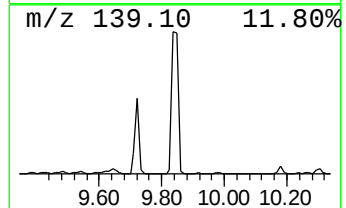
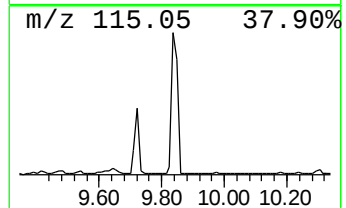
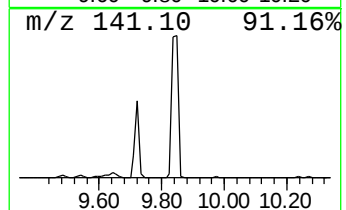
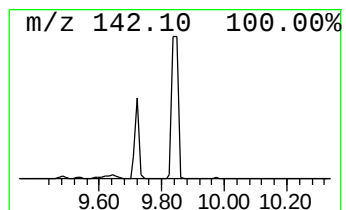
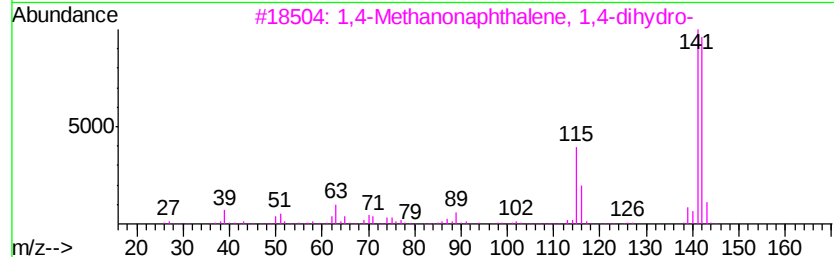
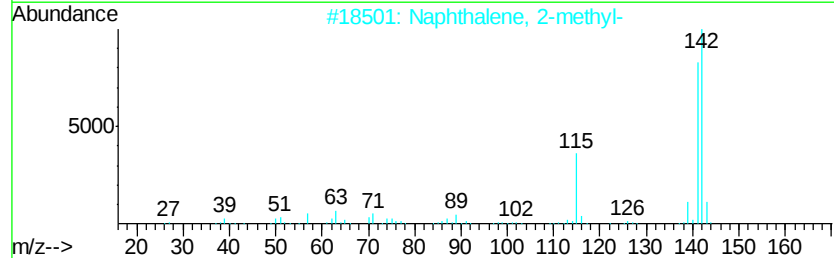
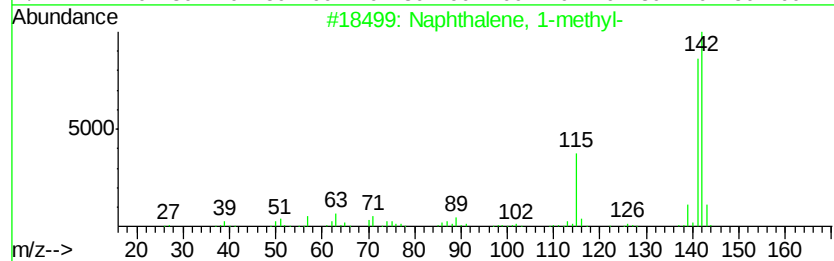
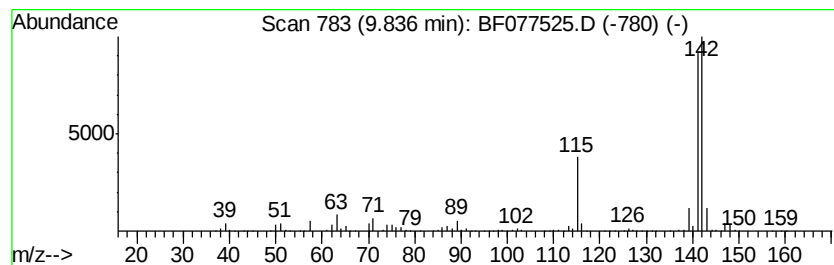
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.84	52.50 ng	2145000	Naphthalene-d8	8.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		1,4-Methanonaphthalene, 1,4-dihv...	142	C11H10	004453-90-1	94
4		Benzocycloheptatriene	142	C11H10	000264-09-5	91
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	59



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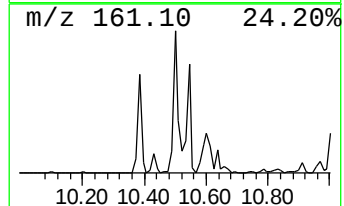
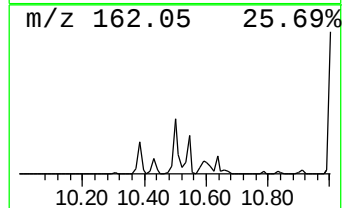
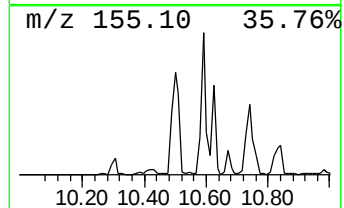
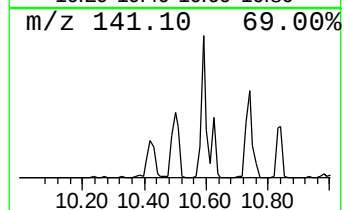
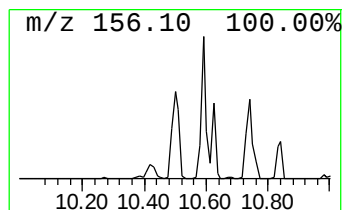
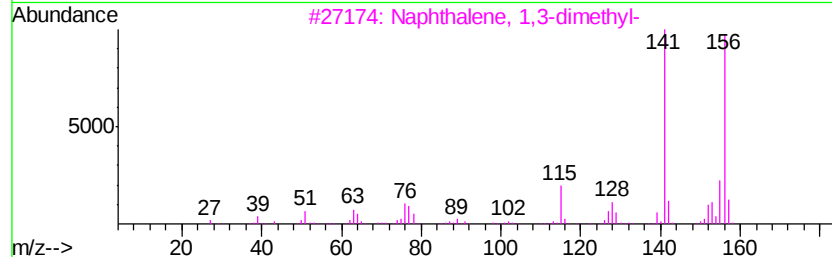
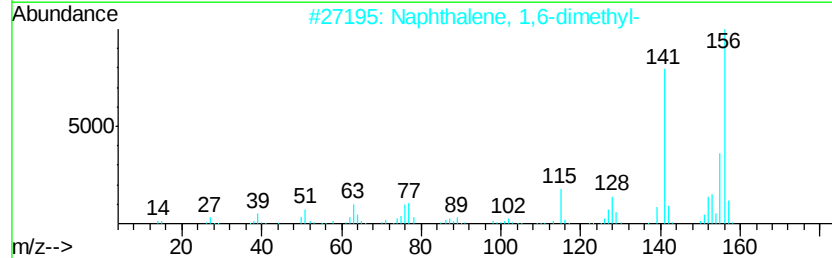
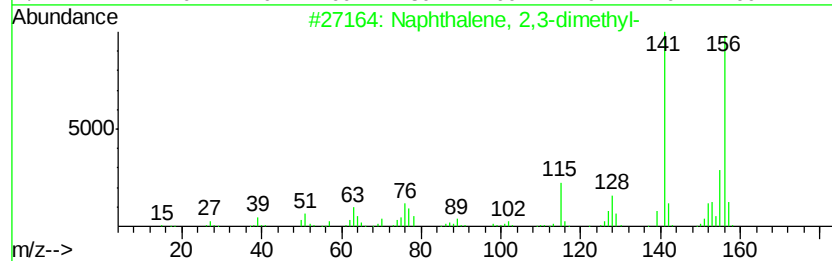
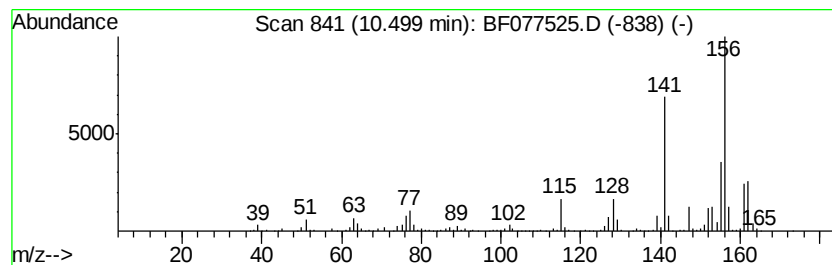
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	29.54 ng	1720140	Acenaphthene-d10	11.01
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 96
2		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 96
3		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 96
4		Naphthalene, 1,4-dimethyl-	156 C12H12	000571-58-4 96
5		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077525.D
Acq On : 2 Mar 2015 16:33
Operator : TP/IZ
Sample : G1399-10 2X
Misc : S
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB4(2-4)

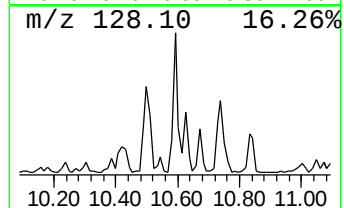
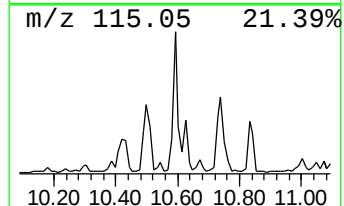
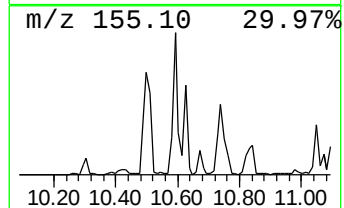
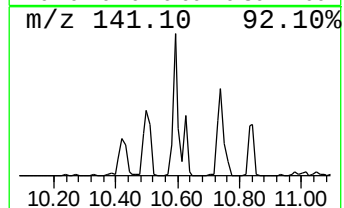
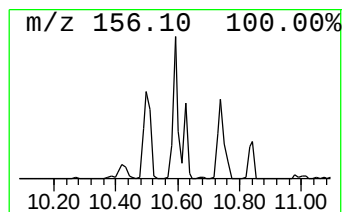
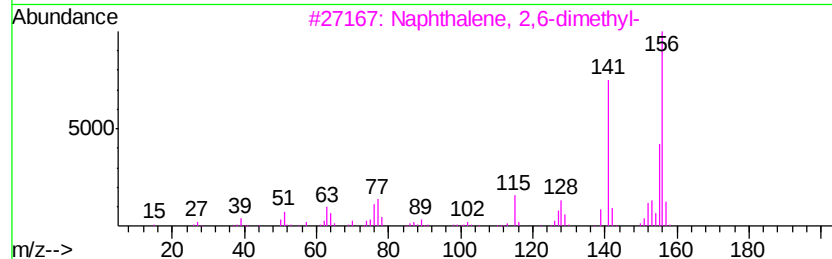
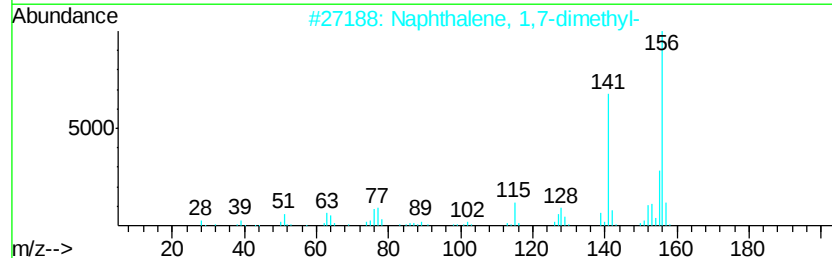
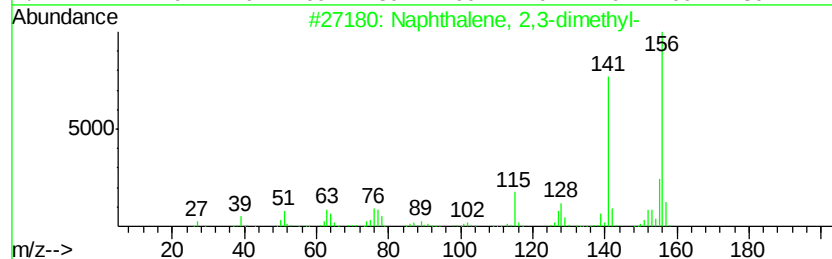
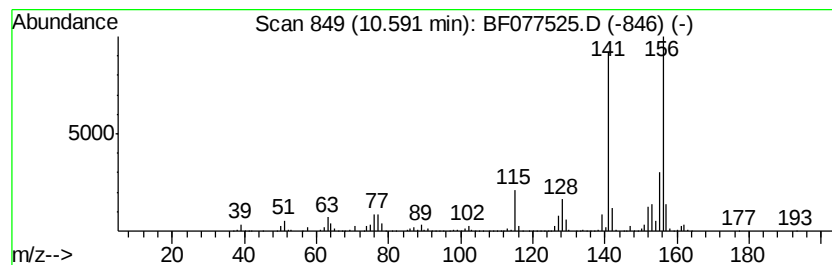
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Naphthalene, 1,7-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	34.32 ng	1998580	Acenaphthene-d10	11.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077525.D
Acq On : 2 Mar 2015 16:33
Operator : TP/IZ
Sample : G1399-10 2X
Misc : S
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB4(2-4)

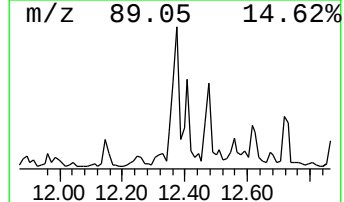
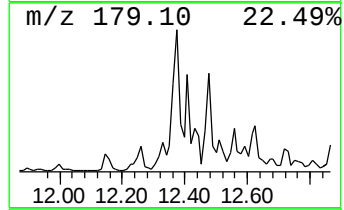
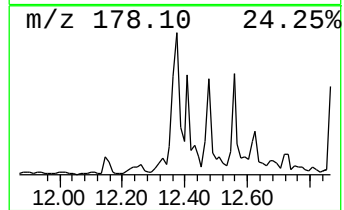
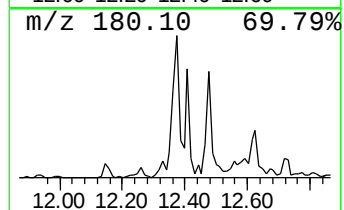
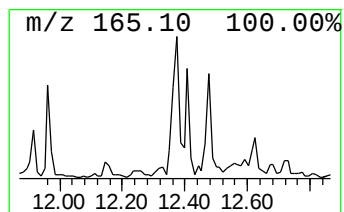
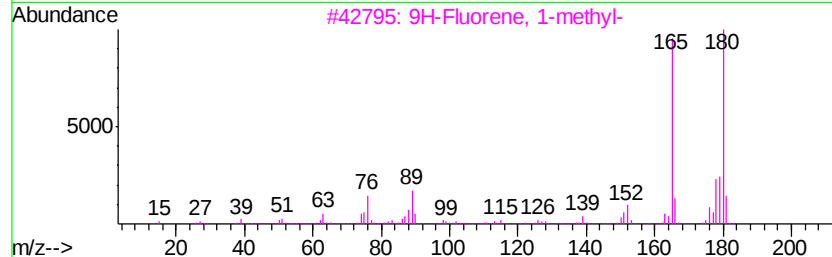
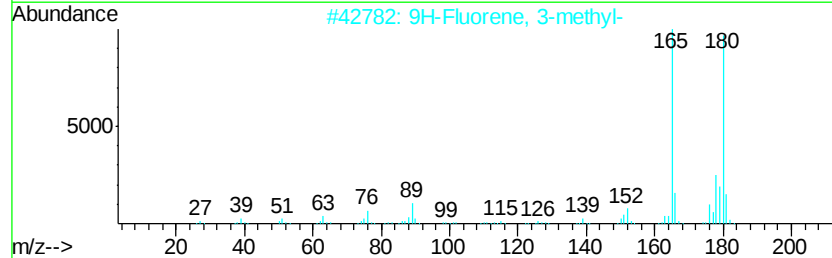
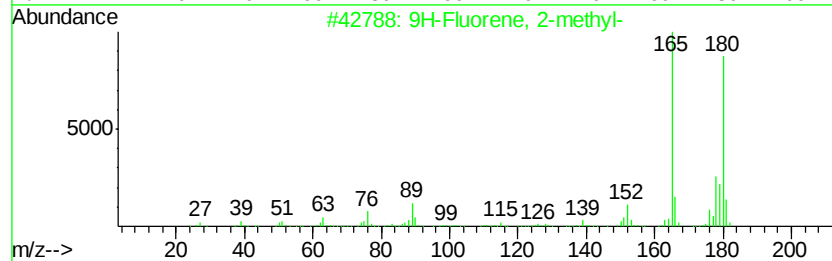
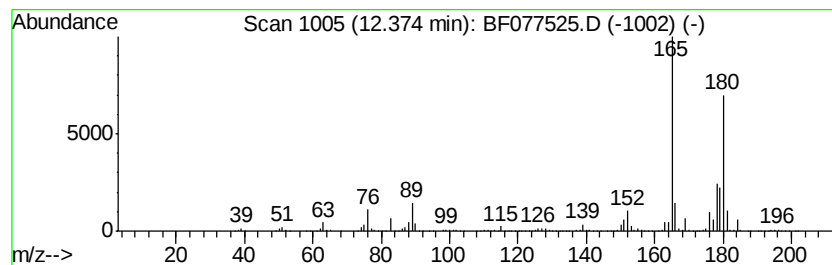
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	41.42 ng	2178140	Phenanthrene-d10	12.85

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96	
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93	
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91	
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81	
5	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	80	



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
Data File : BF077525.D
Acq On : 2 Mar 2015 16:33
Operator : TP/IZ
Sample : G1399-10 2X
Misc : S
ALS Vial : 6 Sample Multiplier: 1

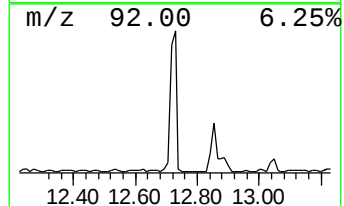
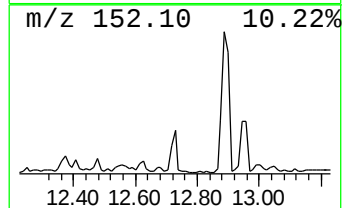
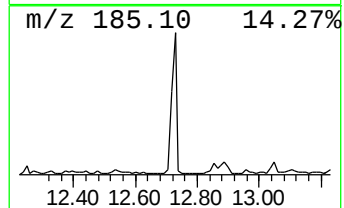
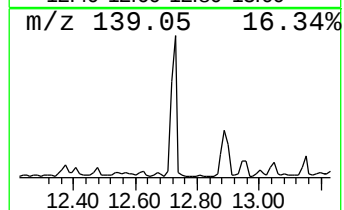
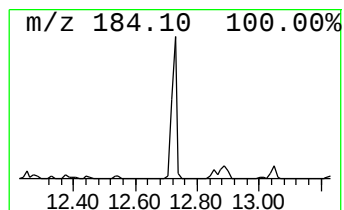
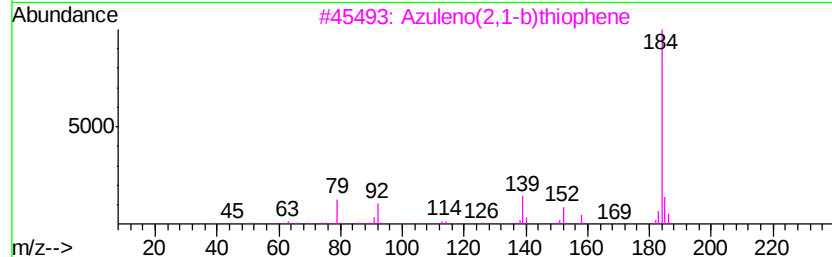
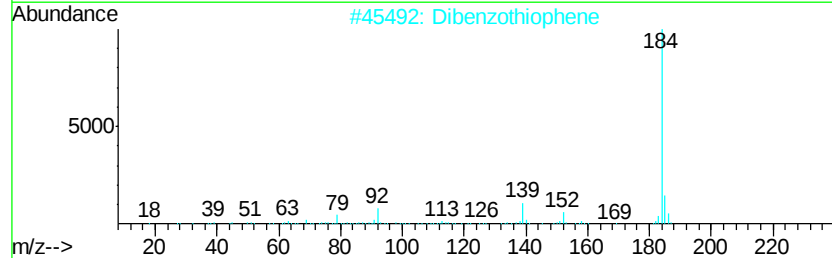
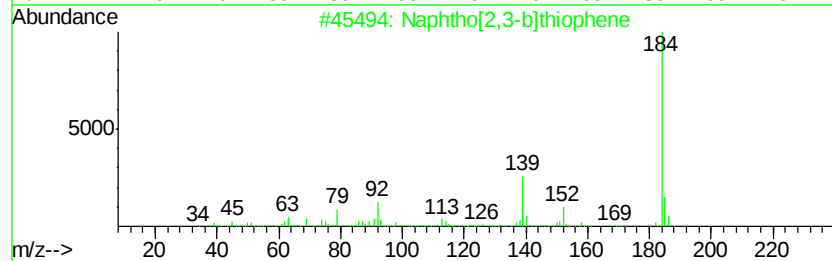
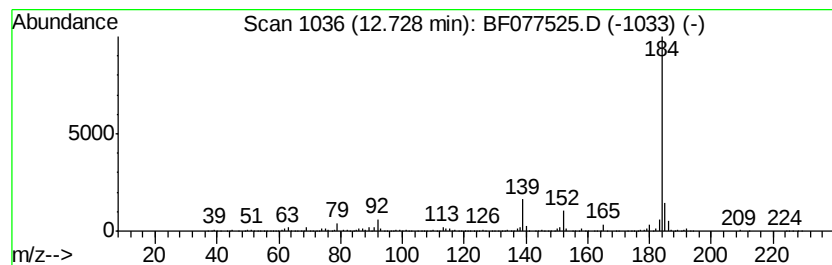
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ClientSampleId :
SB4(2-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphtho[2,3-b]thiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD			R.T.
12.73	48.66 ng	2558610	Phenanthrene-d10			12.85
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
2		Dibenzothiophene	184	C12H8S	000132-65-0	94
3		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
4		Dibenzothiophene, 5-oxide	200	C12H8OS	001013-23-6	64
5		1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	56



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
Data File : BF077525.D
Acq On : 2 Mar 2015 16:33
Operator : TP/IZ
Sample : G1399-10 2X
Misc : S
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB4(2-4)

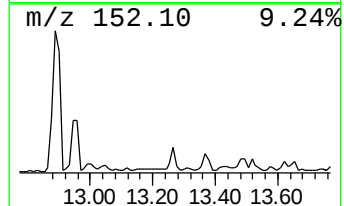
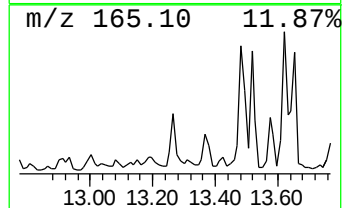
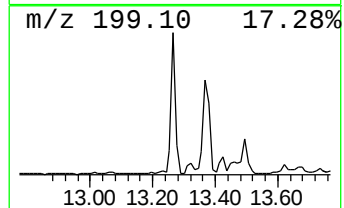
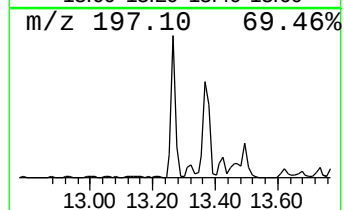
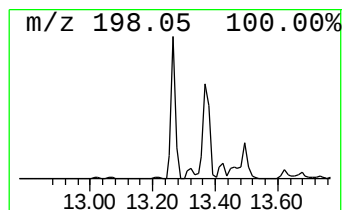
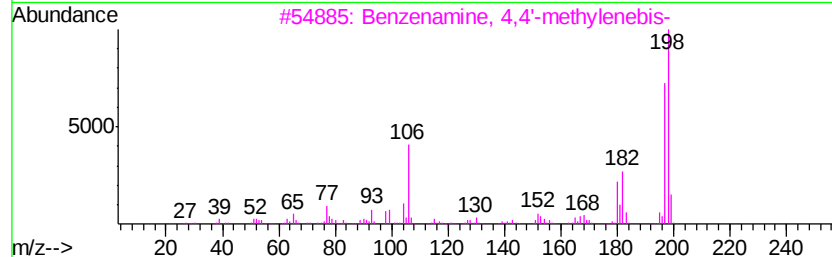
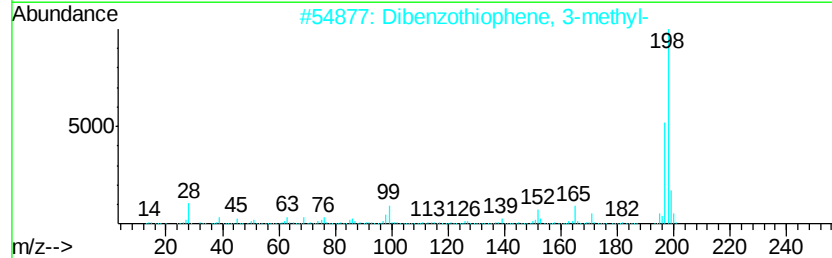
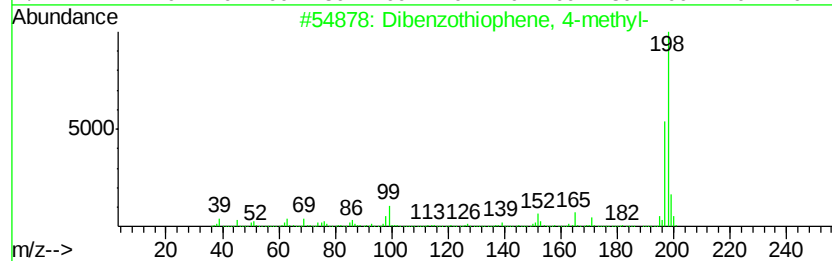
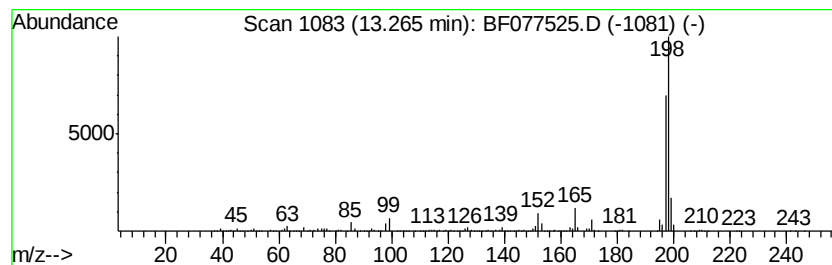
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Dibenzothiophene, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	33.61 ng	1767550	Phenanthrene-d10	12.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
2		Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
3		Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72
4		9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	64
5		Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
Data File : BF077525.D
Acq On : 2 Mar 2015 16:33
Operator : TP/IZ
Sample : G1399-10 2X
Misc : S
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB4(2-4)

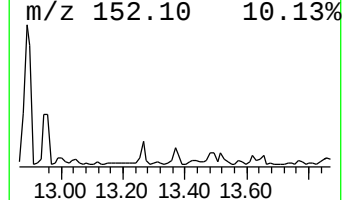
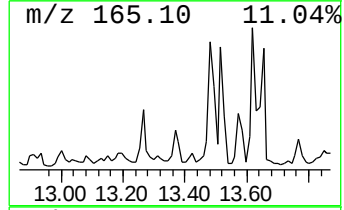
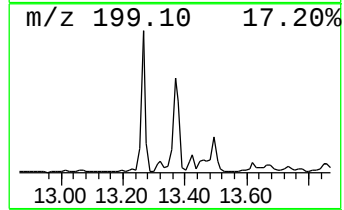
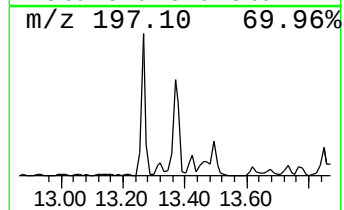
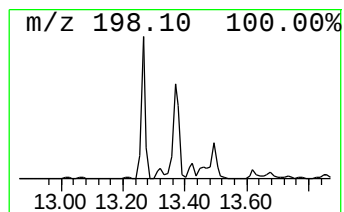
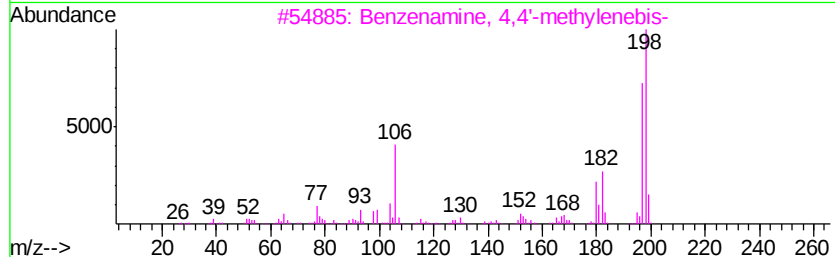
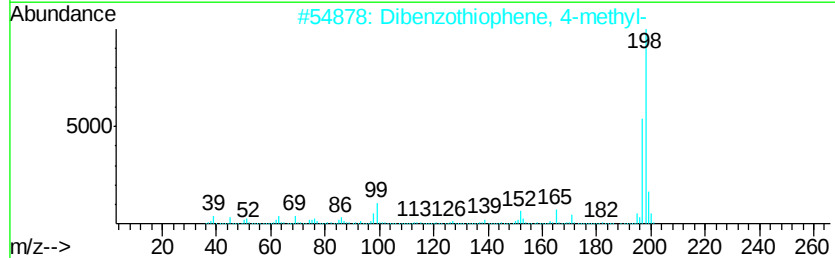
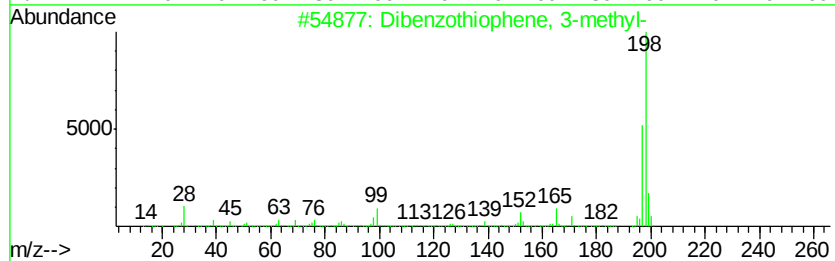
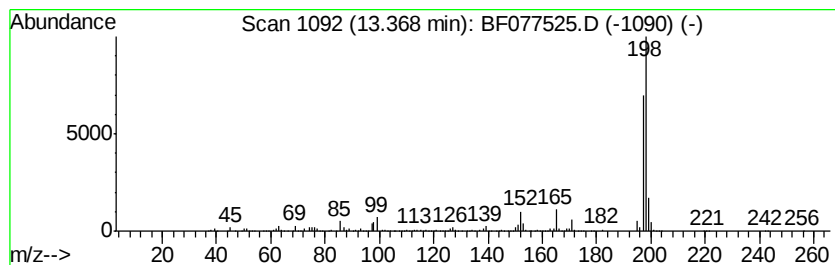
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dibenzothiophene, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	28.10 ng	1477530	Phenanthrene-d10	12.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
2		Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
3		Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72
4		9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	72
5		Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
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Sample : G1399-10 2X
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ALS Vial : 6 Sample Multiplier: 1

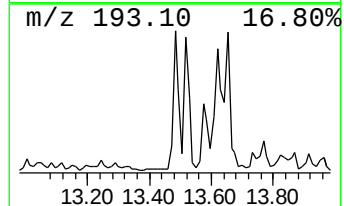
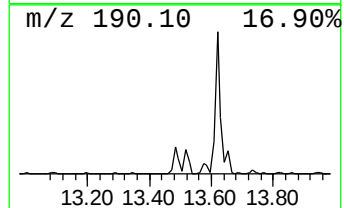
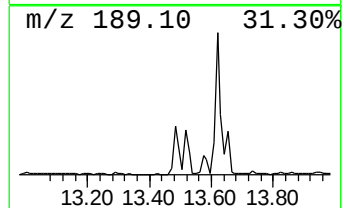
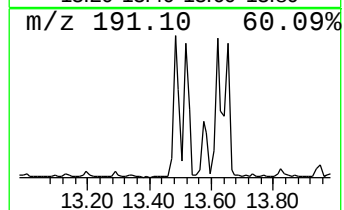
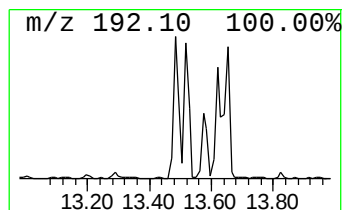
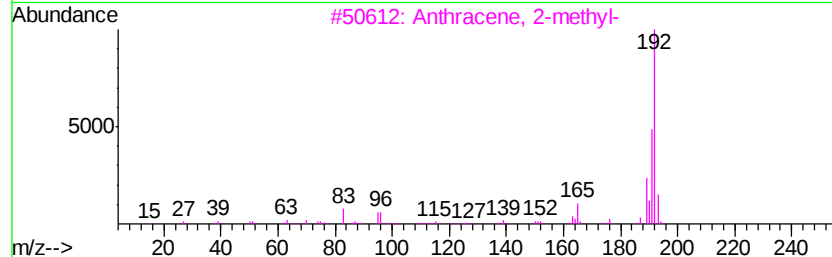
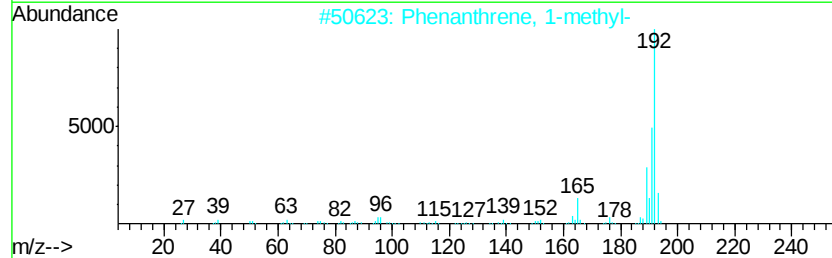
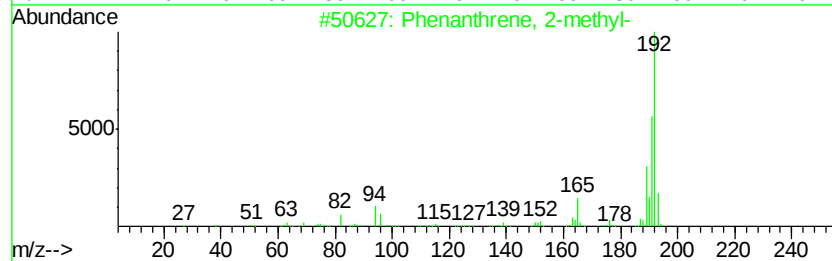
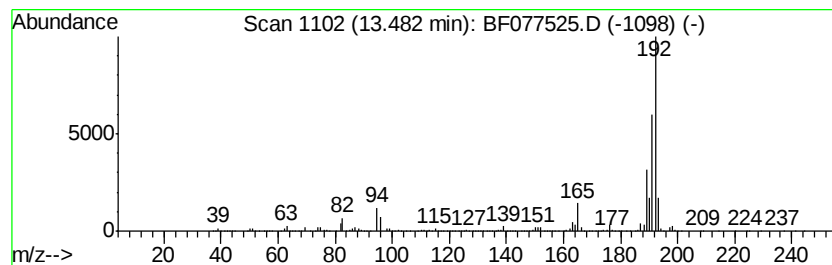
Instrument :
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ClientSampleId :
SB4(2-4)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.48	89.22 ng	4691470	Phenanthrene-d10	12.85	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
5	1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077525.D
Acq On : 2 Mar 2015 16:33
Operator : TP/IZ
Sample : G1399-10 2X
Misc : S
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB4(2-4)

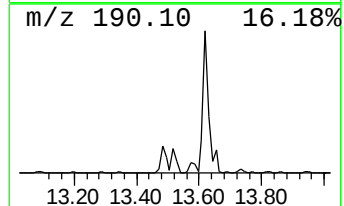
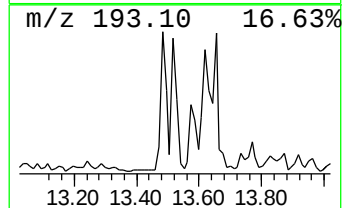
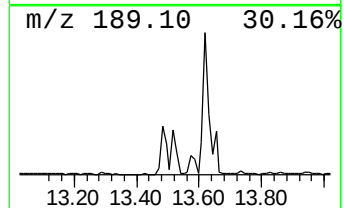
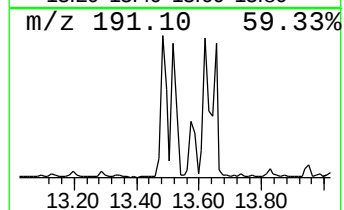
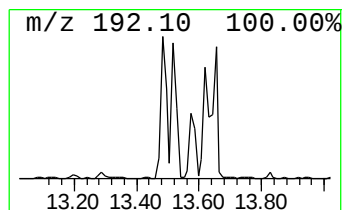
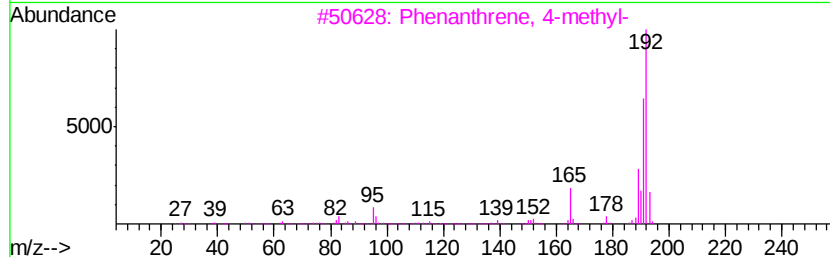
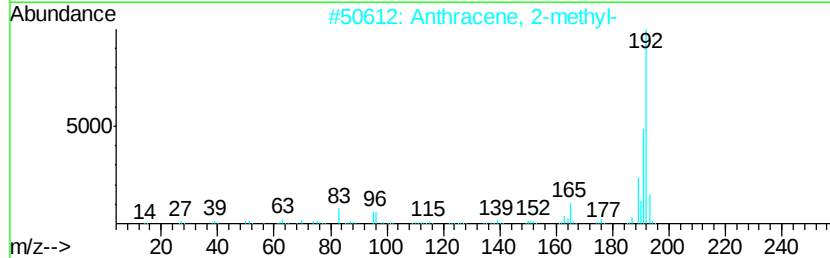
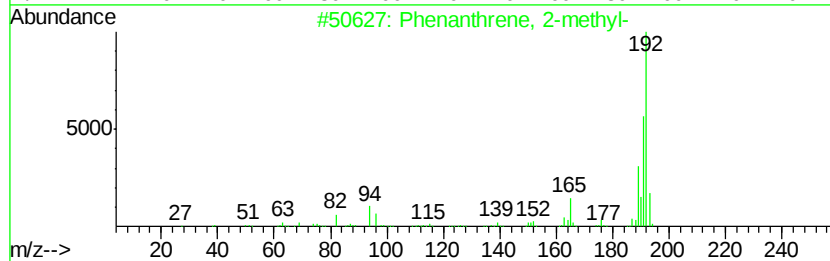
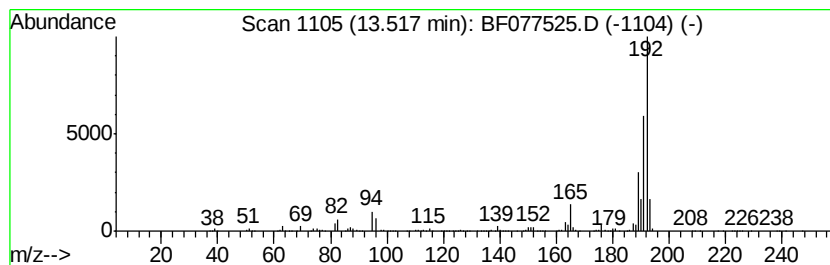
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	61.13 ng	3214540	Phenanthrene-d10	12.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077525.D
Acq On : 2 Mar 2015 16:33
Operator : TP/IZ
Sample : G1399-10 2X
Misc : S
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB4(2-4)

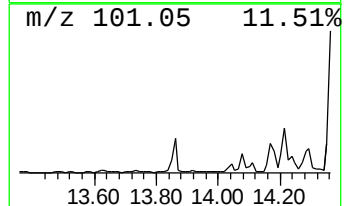
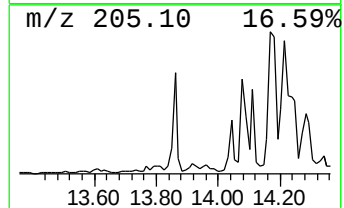
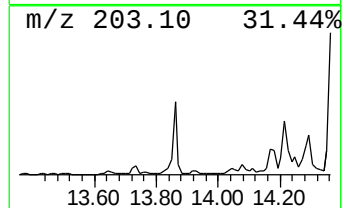
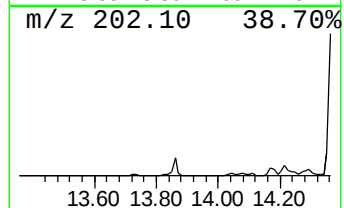
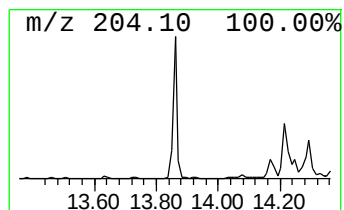
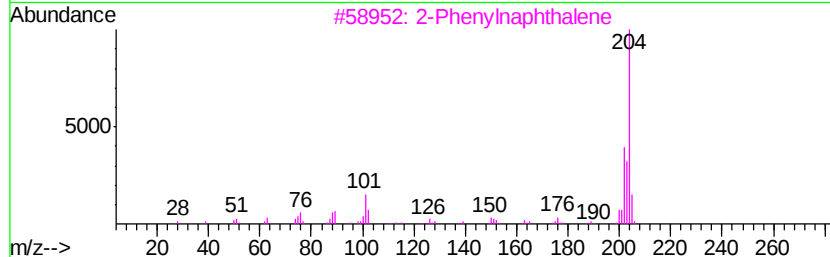
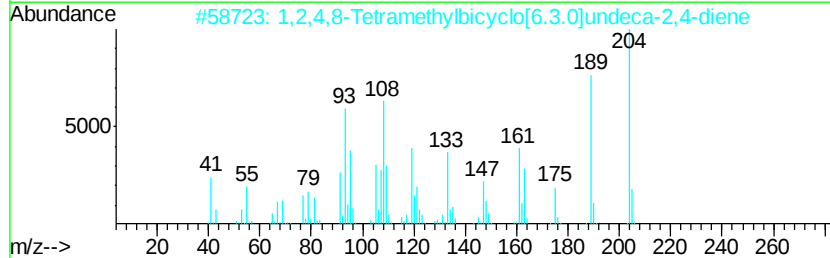
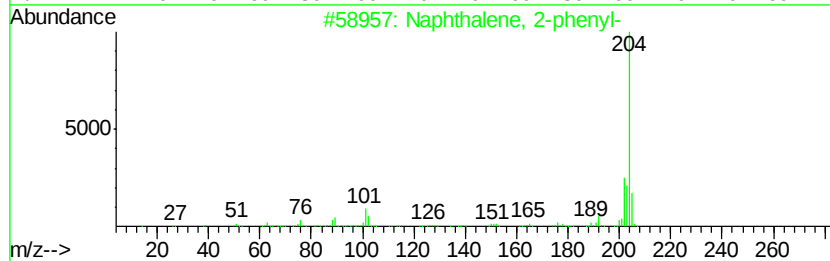
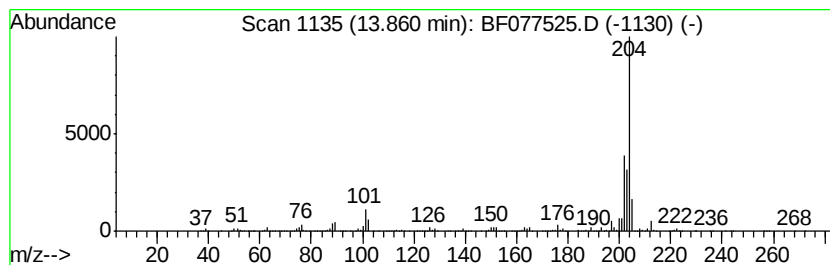
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	51.55 ng	2710920	Phenanthrene-d10	12.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	89
3		2-Phenyl-naphthalene	204	C16H12	035465-71-5	86
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
5		5,16[1',2']:8,13[1'',2'']-Dibenz[1,2-b:4,5-b']-pentalene	408	C32H24	005672-97-9	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077525.D
Acq On : 2 Mar 2015 16:33
Operator : TP/IZ
Sample : G1399-10 2X
Misc : S
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB4(2-4)

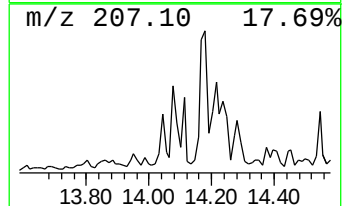
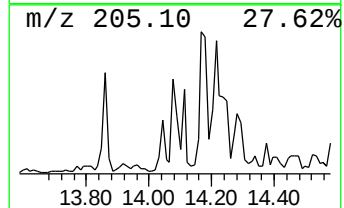
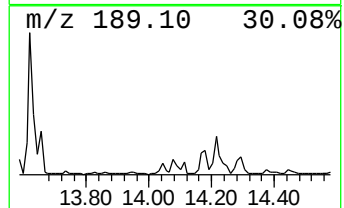
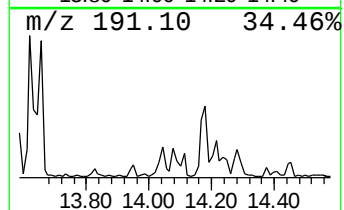
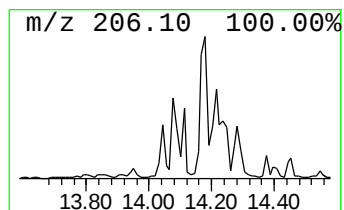
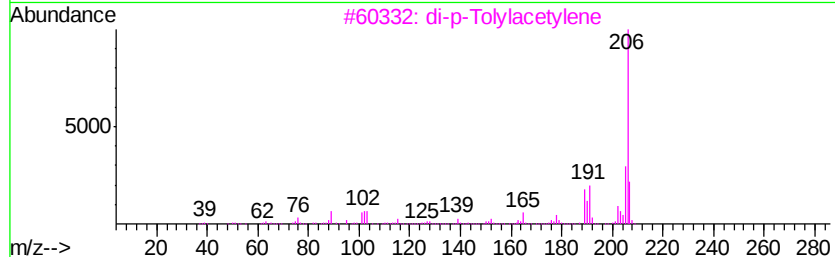
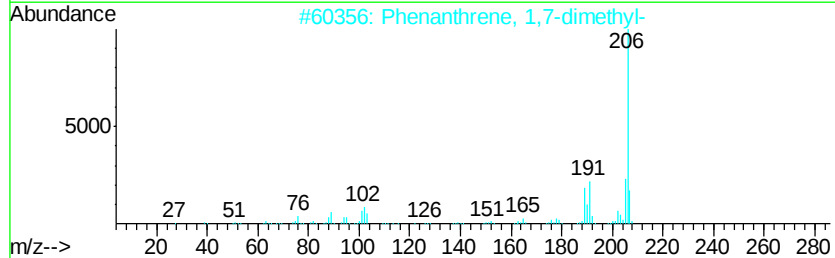
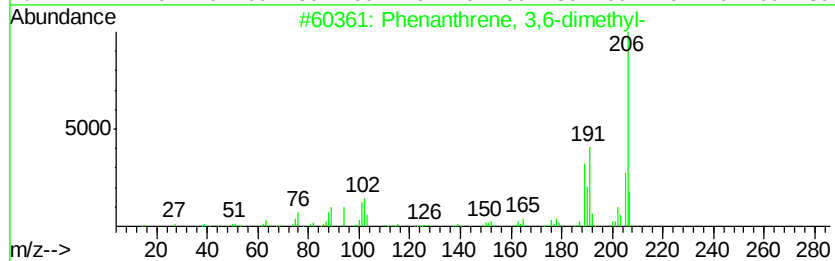
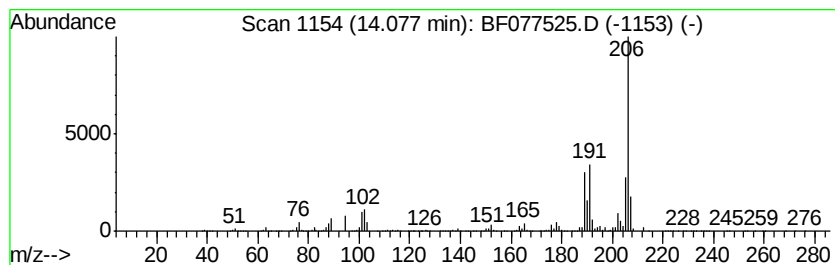
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	25.92 ng	1363180	Phenanthrene-d10	12.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	97
2		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	95
3		di-p-Tolylacetvlene	206	C16H14	002789-88-0	94
4		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
5		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077525.D
Acq On : 2 Mar 2015 16:33
Operator : TP/IZ
Sample : G1399-10 2X
Misc : S
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB4(2-4)

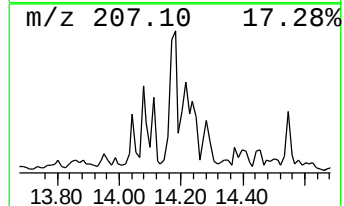
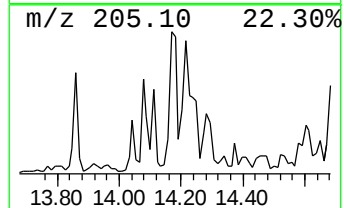
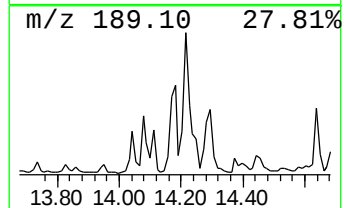
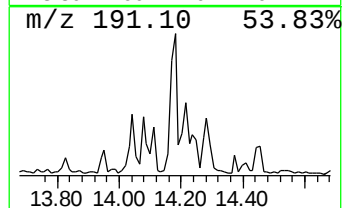
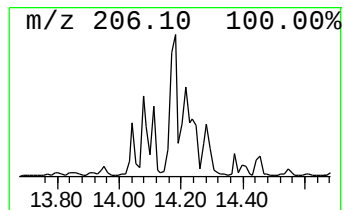
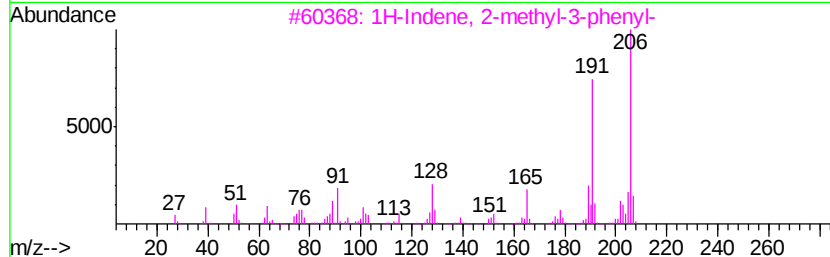
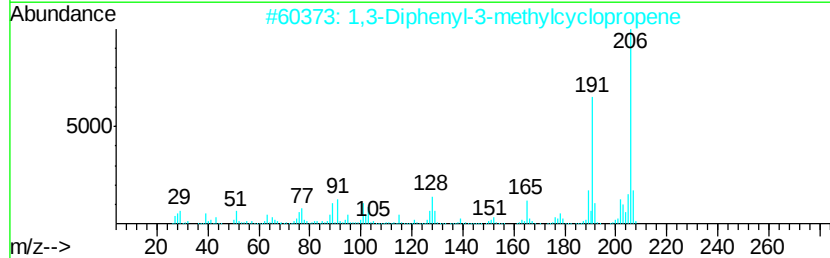
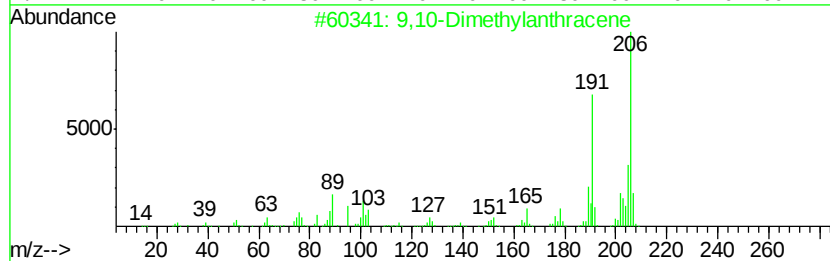
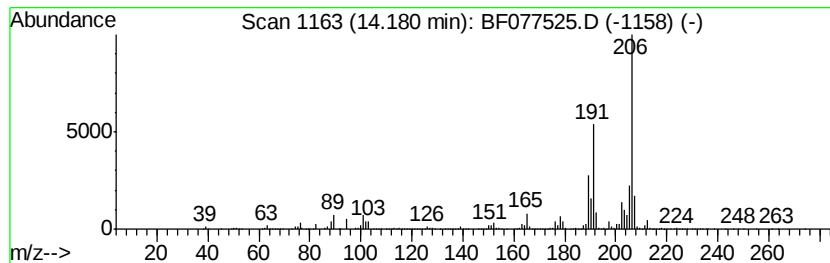
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 9,10-Dimethylantracene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.18	69.18 ng	3637840	Phenanthrene-d10	12.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	96
2		1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	93
3		1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	93
4		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
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Sample : G1399-10 2X
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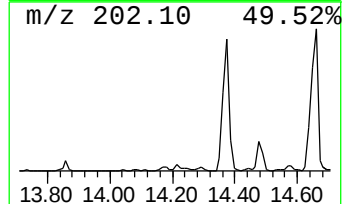
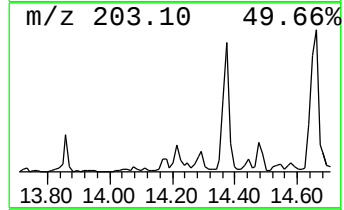
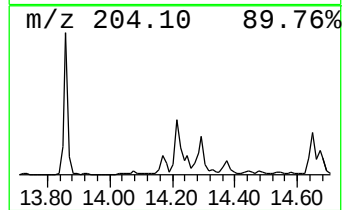
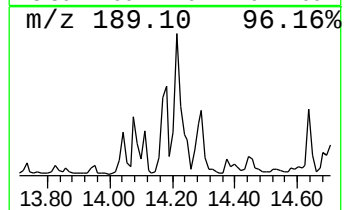
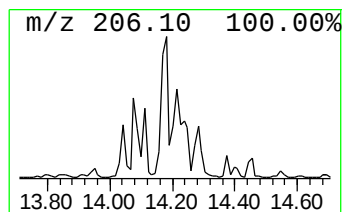
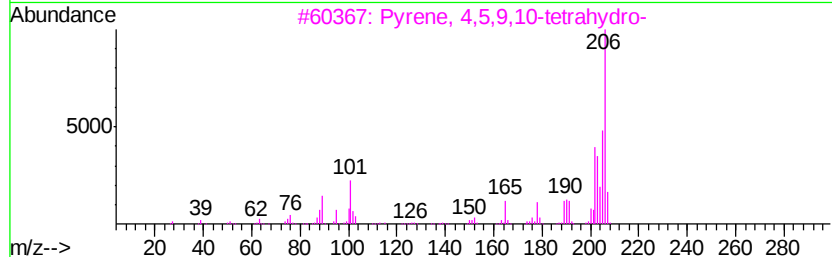
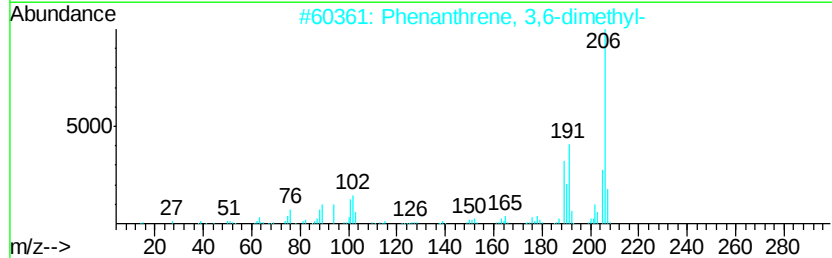
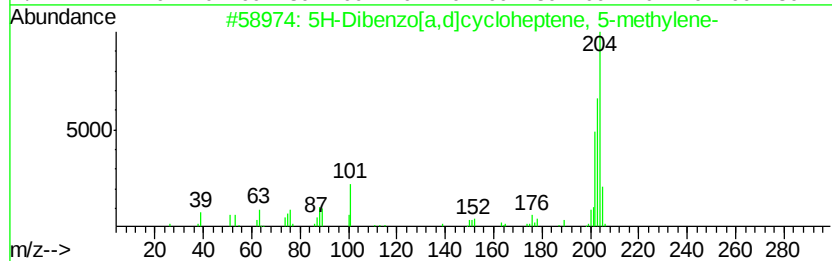
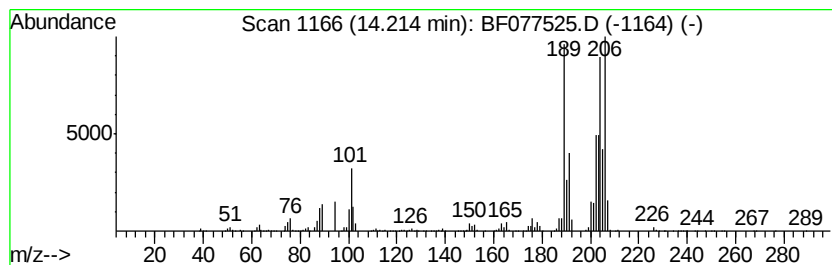
Instrument :
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ClientSampleId :
SB4(2-4)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown14.21 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.21	52.16 ng	2742610	Phenanthrene-d10	12.85	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	47
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	42
3	Pvrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
4	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	41
5	Benzene, 1,1'-(1,3-butadienylyde...	206	C16H14	004165-81-5	41



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
Data File : BF077525.D
Acq On : 2 Mar 2015 16:33
Operator : TP/IZ
Sample : G1399-10 2X
Misc : S
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB4(2-4)

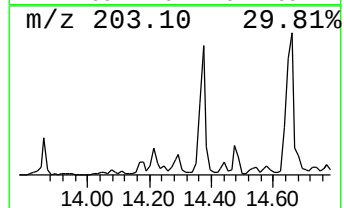
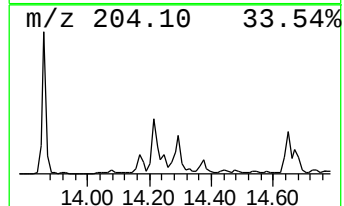
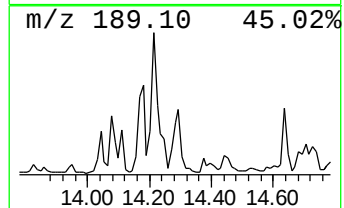
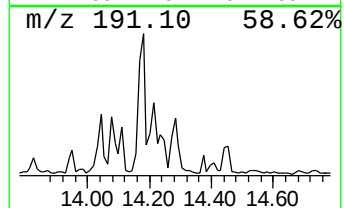
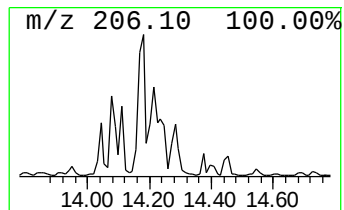
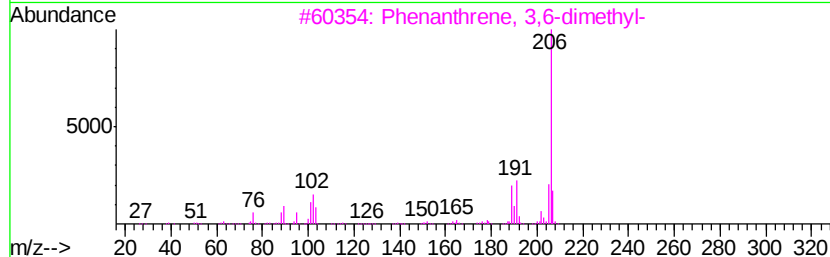
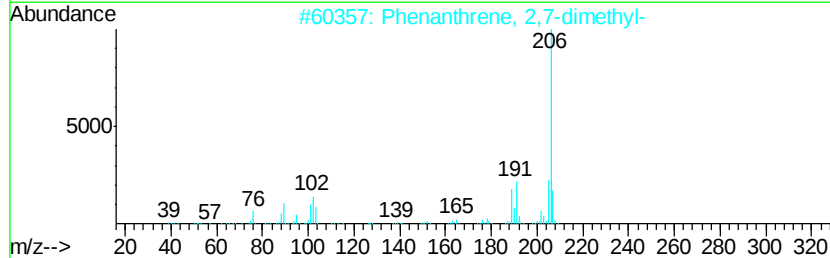
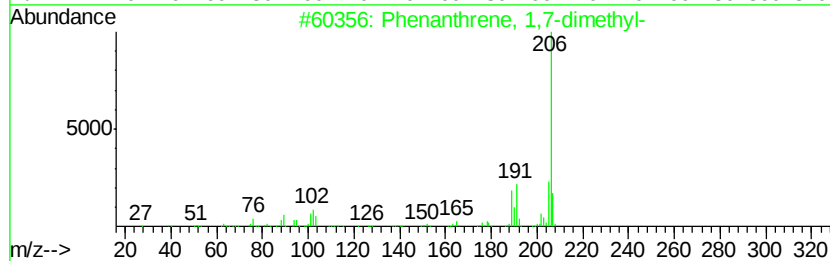
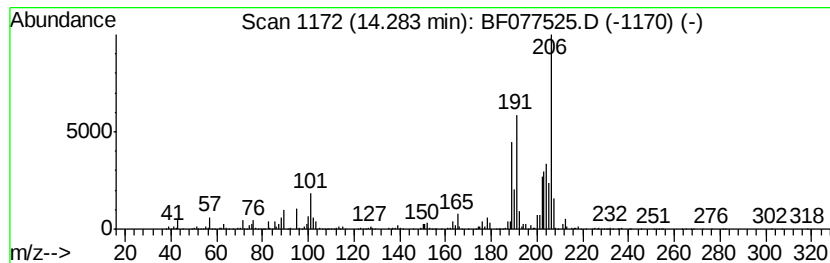
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 1,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	35.33 ng	1857970	Phenanthrene-d10	12.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
2		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4		di-p-Tolylacetylene	206	C16H14	002789-88-0	68
5		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	62



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077525.D
Acq On : 2 Mar 2015 16:33
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Sample : G1399-10 2X
Misc : S
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB4(2-4)

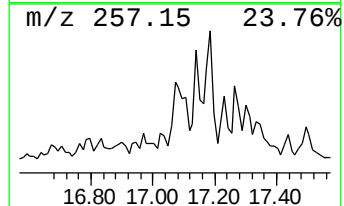
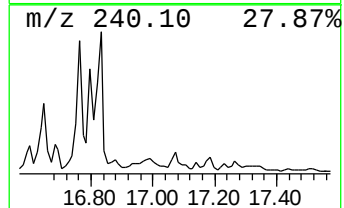
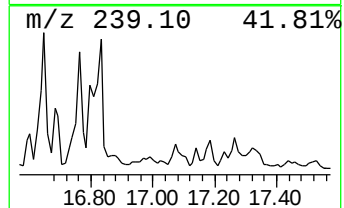
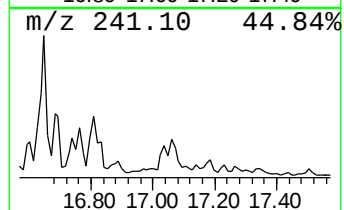
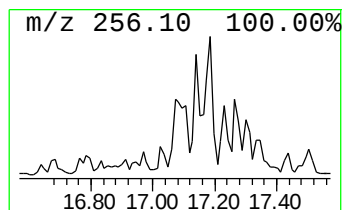
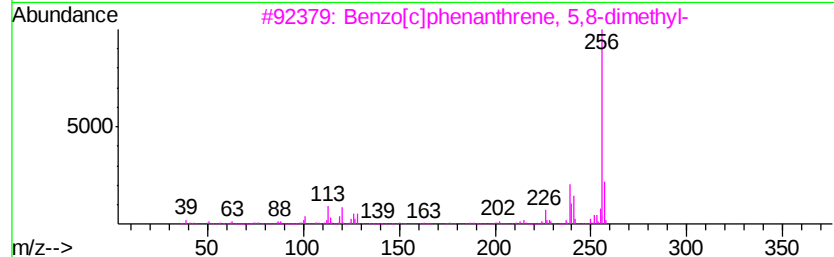
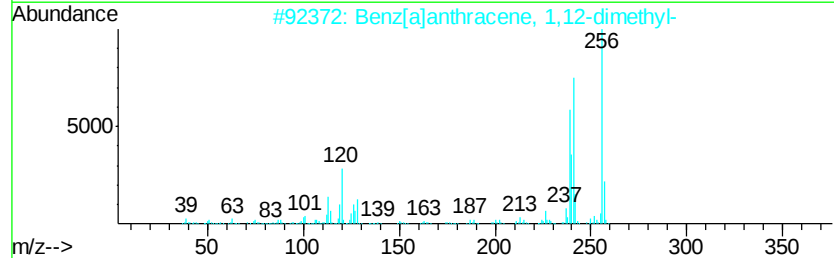
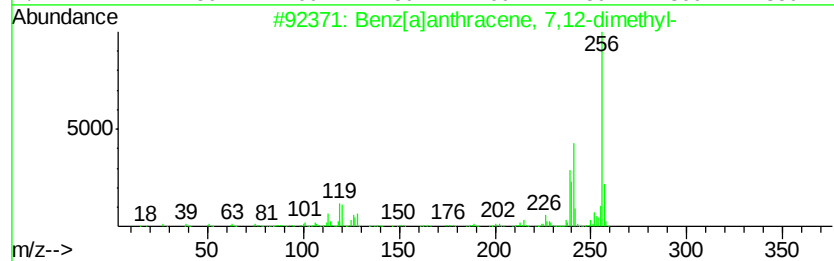
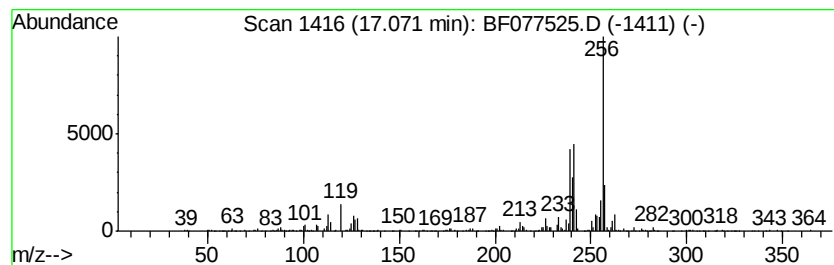
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benz[a]anthracene, 7,12-dim... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.07	26.22 ng	1597330	Perylene-d12	17.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	97
2		Benz[a]anthracene, 1,12-dimethyl-	256	C20H16	000313-74-6	90
3		Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	87
4		Benzo[c]phenanthrene, 1,12-dimet...	256	C20H16	004076-43-1	87
5		Chrysene, 5-ethyl-	256	C20H16	054986-62-8	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
Data File : BF077525.D
Acq On : 2 Mar 2015 16:33
Operator : TP/IZ
Sample : G1399-10 2X
Misc : S
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB4(2-4)

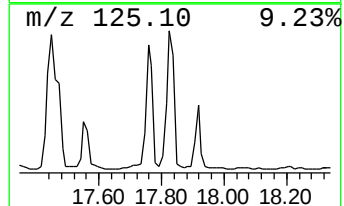
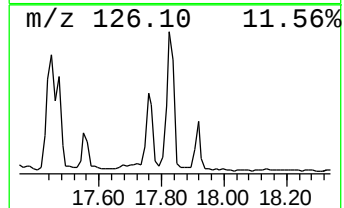
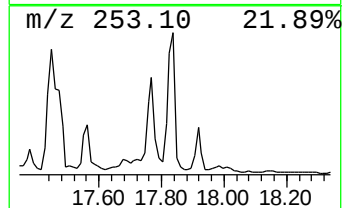
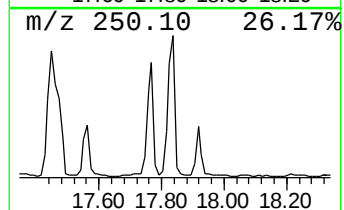
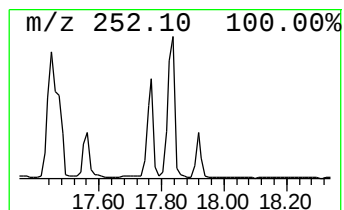
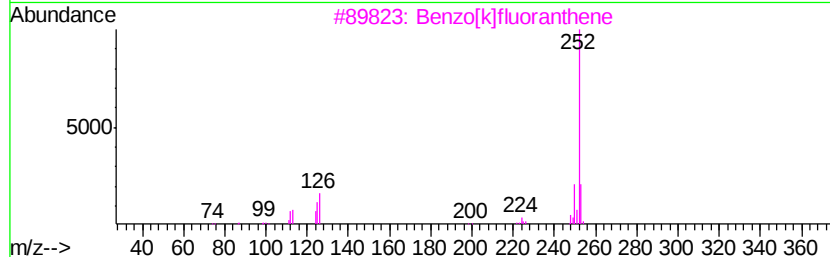
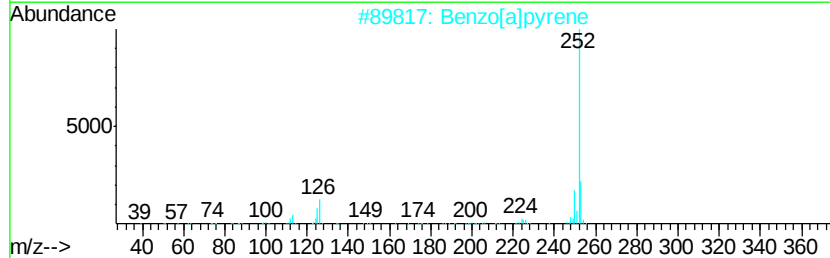
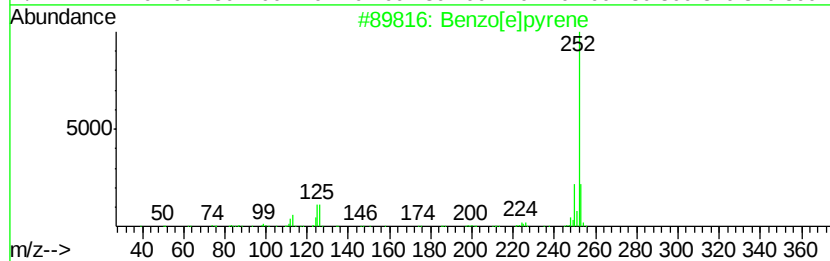
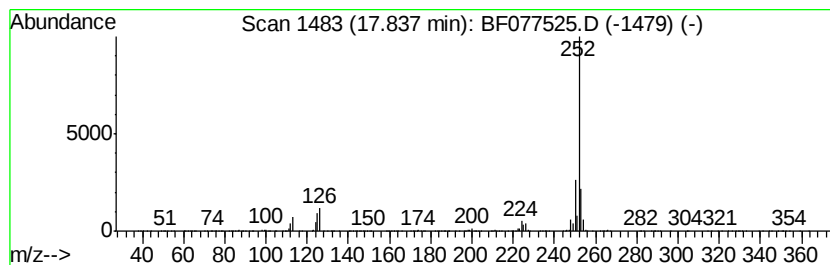
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.84	90.45 ng	5510170	Perylene-d12	17.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2		Benzo[a]pyrene	252	C20H12	000050-32-8	96
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	95
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
Data File : BF077525.D
Acq On : 2 Mar 2015 16:33
Operator : TP/IZ
Sample : G1399-10 2X
Misc : S
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB4(2-4)

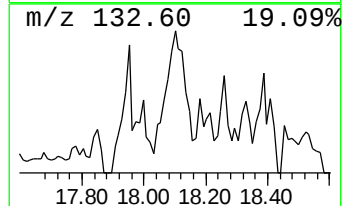
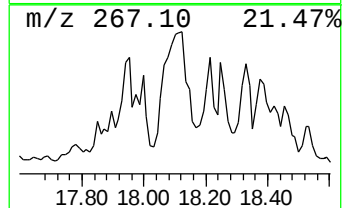
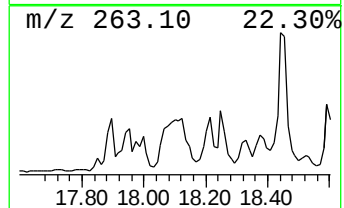
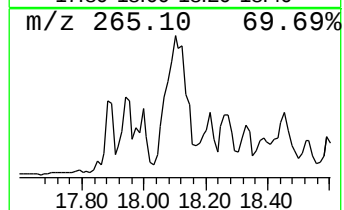
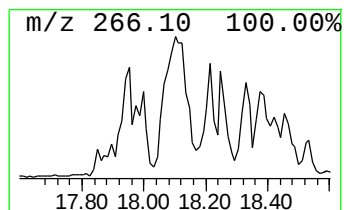
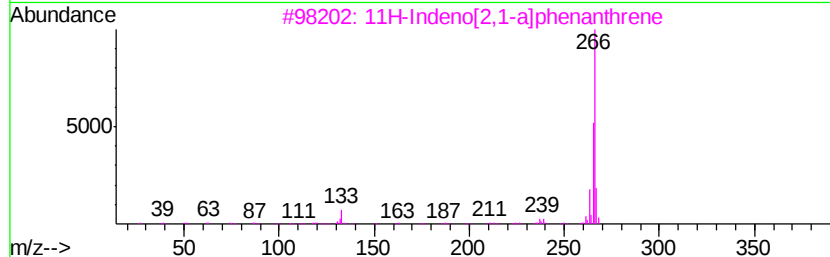
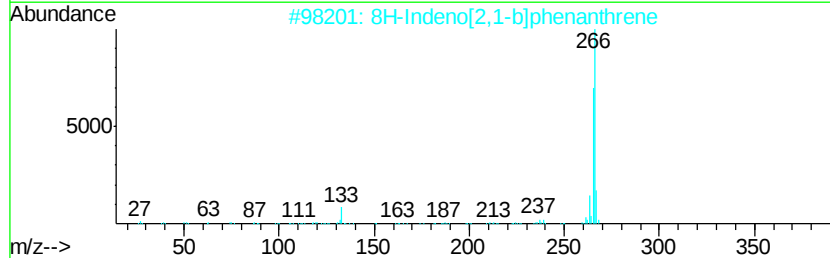
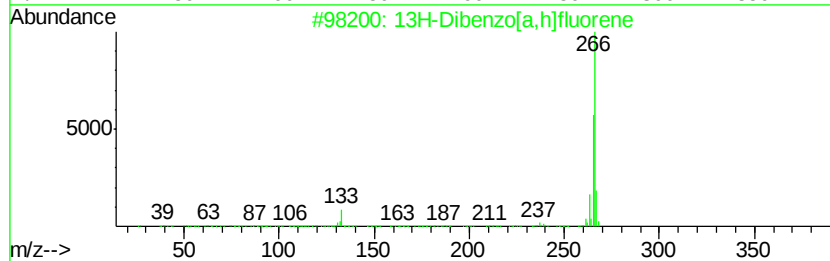
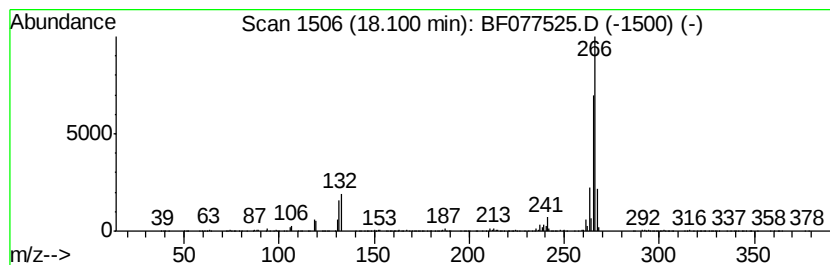
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 13H-Dibenzo[a,h]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	45.86 ng	2793730	Perylene-d12	17.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	95
2		8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	94
3		11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	89
4		4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	59
5		Perylene, 3-methyl-	266	C21H14	024471-47-4	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
 Data File : BF077525.D
 Acq On : 2 Mar 2015 16:33
 Operator : TP/IZ
 Sample : G1399-10 2X
 Misc : S
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB4(2-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.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
Propane, 2,2-dime...	1.40	70.5	ng	2565080	1	7.26	727559	20.0
Naphthalene, 1-me...	9.84	52.5	ng	2145000	2	8.83	817148	20.0
Naphthalene, 2,3-...	10.50	29.5	ng	1720140	3	11.01	1164680	20.0
Naphthalene, 1,7-...	10.59	34.3	ng	1998580	3	11.01	1164680	20.0
9H-Fluorene, 2-me...	12.37	41.4	ng	2178140	4	12.85	1051680	20.0
Naphtho[2,3-b]thi...	12.73	48.7	ng	2558610	4	12.85	1051680	20.0
Dibenzothiophene,...	13.27	33.6	ng	1767550	4	12.85	1051680	20.0
Dibenzothiophene,...	13.37	28.1	ng	1477530	4	12.85	1051680	20.0
Phenanthrene, 2-m...	13.48	89.2	ng	4691470	4	12.85	1051680	20.0
Anthracene, 2-met...	13.52	61.1	ng	3214540	4	12.85	1051680	20.0
Naphthalene, 2-ph...	13.86	51.5	ng	2710920	4	12.85	1051680	20.0
Phenanthrene, 3,6...	14.08	25.9	ng	1363180	4	12.85	1051680	20.0
9,10-Dimethylanth...	14.18	69.2	ng	3637840	4	12.85	1051680	20.0
unknown14.21	14.21	52.2	ng	2742610	4	12.85	1051680	20.0
Phenanthrene, 1,7...	14.28	35.3	ng	1857970	4	12.85	1051680	20.0
Benz[a]anthracene...	17.07	26.2	ng	1597330	6	17.89	1218340	20.0
Benzo[e]pyrene	17.84	90.5	ng	5510170	6	17.89	1218340	20.0
13H-Dibenzo[a,h]f...	18.10	45.9	ng	2793730	6	17.89	1218340	20.0