

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051215\
 Data File : BF079168.D
 Acq On : 12 May 2015 20:14
 Operator : TP/IZ
 Sample : G2155-06 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-48AS

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-BF043015.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	1.427	18	21	23	rVB	982879	1349825	53.88%	4.235%
2	1.564	30	33	43	rVB	120310	191490	7.64%	0.601%
3	1.735	46	48	56	rVB	60860	102875	4.11%	0.323%
4	1.850	56	58	86	rVB	1218790	2067976	82.55%	6.489%
5	5.576	382	384	387	rBV	152136	207110	8.27%	0.650%
6	6.844	493	495	497	rBV	252207	223353	8.92%	0.701%
7	6.993	505	508	510	rBV	264512	234901	9.38%	0.737%
8	7.279	531	533	535	rBV	345423	314797	12.57%	0.988%
9	7.462	547	549	552	rBV	142500	169137	6.75%	0.531%
10	7.965	591	593	596	rBV	104234	131573	5.25%	0.413%
11	8.856	669	671	673	rBV	524478	481482	19.22%	1.511%
12	10.205	786	789	791	rBV	237329	252954	10.10%	0.794%
13	10.616	823	825	826	rBV	55527	61733	2.46%	0.194%
14	10.856	843	846	849	rVB	48801	44312	1.77%	0.139%
15	11.028	859	861	863	rBV2	483546	514878	20.55%	1.616%
16	11.073	863	865	867	rVV	211771	207037	8.26%	0.650%
17	11.291	881	884	886	rVV	118493	142787	5.70%	0.448%
18	11.713	919	921	923	rBV	166104	162611	6.49%	0.510%
19	11.794	925	928	929	rVV	36173	54985	2.19%	0.173%
20	11.874	932	935	937	rVV3	21610	46707	1.86%	0.147%
21	11.908	937	938	942	rVB	63226	78234	3.12%	0.245%
22	12.011	944	947	950	rVV	253840	278913	11.13%	0.875%
23	12.399	977	981	982	rBV2	34937	66086	2.64%	0.207%
24	12.582	996	997	999	rVV2	34749	44790	1.79%	0.141%
25	12.639	999	1002	1004	rVB	101434	124460	4.97%	0.391%
26	12.708	1005	1008	1009	rBV	60714	94895	3.79%	0.298%
27	12.742	1009	1011	1020	rVB	103224	128270	5.12%	0.402%
28	12.879	1020	1023	1024	rBV	440982	613443	24.49%	1.925%
29	12.902	1024	1025	1028	rVV	1798291	2012384	80.33%	6.314%
30	12.971	1028	1031	1033	rVB	429371	445760	17.79%	1.399%
31	13.176	1047	1049	1050	rVV	103848	112076	4.47%	0.352%
32	13.199	1050	1051	1055	rVV2	22115	51370	2.05%	0.161%
33	13.257	1055	1056	1058	rVV2	69859	73038	2.92%	0.229%
34	13.291	1058	1059	1064	rVV3	56666	81072	3.24%	0.254%

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35	13.508	1075	1078	1079	rVV	185127	228068	9.10%	0.716%
36	13.542	1079	1081	1083	rVB	265852	313814	12.53%	0.985%
37	13.599	1083	1086	1087	rBV	115940	130823	5.22%	0.410%
38	13.634	1087	1089	1091	rVV	269829	354008	14.13%	1.111%
39	13.668	1091	1092	1095	rVB	178048	142695	5.70%	0.448%
40	13.759	1095	1100	1102	rBV3	20851	58191	2.32%	0.183%
41	13.885	1109	1111	1115	rVB2	185472	391476	15.63%	1.228%
42	14.057	1125	1126	1128	rBV2	48553	62212	2.48%	0.195%
43	14.125	1131	1132	1134	rVB	42723	46288	1.85%	0.145%
44	14.194	1134	1138	1140	rBV	112485	191808	7.66%	0.602%
45	14.228	1140	1141	1145	rVV2	49940	112499	4.49%	0.353%
46	14.285	1145	1146	1152	rVB2	122559	185605	7.41%	0.582%
47	14.388	1152	1155	1157	rBV	2347928	2483867	99.15%	7.794%
48	14.457	1159	1161	1163	rBV2	53740	69127	2.76%	0.217%
49	14.559	1167	1170	1172	rBV2	102840	168472	6.73%	0.529%
50	14.662	1176	1179	1181	rBV2	1821638	2505055	100.00%	7.860%
51	14.731	1184	1185	1186	rVB	71904	50018	2.00%	0.157%
52	14.822	1191	1193	1194	rBV	148230	150936	6.03%	0.474%
53	14.868	1194	1197	1200	rVB2	333954	386029	15.41%	1.211%
54	14.948	1200	1204	1206	rBV2	121178	238956	9.54%	0.750%
55	15.074	1208	1215	1218	rVB2	146645	406223	16.22%	1.275%
56	15.165	1221	1223	1225	rVB	58690	54823	2.19%	0.172%
57	15.211	1225	1227	1228	rBV	187102	250000	9.98%	0.784%
58	15.234	1228	1229	1232	rVB	38986	60392	2.41%	0.189%
59	15.325	1235	1237	1238	rBV	74762	101878	4.07%	0.320%
60	15.360	1238	1240	1242	rBV	115747	112356	4.49%	0.353%
61	15.462	1246	1249	1251	rBV2	35735	69630	2.78%	0.218%
62	15.565	1255	1258	1259	rBV2	32257	65650	2.62%	0.206%
63	15.622	1261	1263	1268	rVB4	37994	71562	2.86%	0.225%
64	15.714	1268	1271	1274	rVB	168191	238147	9.51%	0.747%
65	15.851	1280	1283	1284	rBV2	149526	229697	9.17%	0.721%
66	15.885	1284	1286	1289	rVV2	139767	224300	8.95%	0.704%
67	15.931	1289	1290	1292	rVV	63585	72314	2.89%	0.227%
68	15.977	1292	1294	1296	rVB	138490	189262	7.56%	0.594%
69	16.045	1298	1300	1305	rBV2	59828	130100	5.19%	0.408%
70	16.160	1305	1310	1312	rBV2	1037757	2056976	82.11%	6.454%
71	16.194	1312	1313	1315	rVV	884620	850360	33.95%	2.668%

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72	16.285	1318	1321	1323	rBV2	86623	150059	5.99%	0.471%
73	16.411	1330	1332	1334	rVB3	38169	53190	2.12%	0.167%
74	16.457	1334	1336	1338	rVB2	77950	92264	3.68%	0.290%
75	16.571	1343	1346	1348	rBV3	36081	58702	2.34%	0.184%
76	16.605	1348	1349	1351	rBV	38785	61877	2.47%	0.194%
77	16.651	1351	1353	1355	rBV	139717	187442	7.48%	0.588%
78	16.697	1355	1357	1360	rVB	78209	91532	3.65%	0.287%
79	16.777	1360	1364	1365	rBV3	57617	99217	3.96%	0.311%
80	16.811	1365	1367	1368	rBV2	54046	88466	3.53%	0.278%
81	16.914	1374	1376	1379	rVB2	65191	83402	3.33%	0.262%
82	17.040	1384	1387	1388	rBV	69331	87738	3.50%	0.275%
83	17.234	1401	1404	1405	rBV2	37906	71376	2.85%	0.224%
84	17.337	1411	1413	1415	rBV3	28979	62789	2.51%	0.197%
85	17.428	1418	1421	1426	rBV	801623	1749964	69.86%	5.491%
86	17.543	1429	1431	1433	rVB	151459	163638	6.53%	0.513%
87	17.588	1433	1435	1437	rBV2	43157	64782	2.59%	0.203%
88	17.668	1439	1442	1443	rBV2	36358	62547	2.50%	0.196%
89	17.703	1443	1445	1446	rBV2	31112	50309	2.01%	0.158%
90	17.737	1446	1448	1451	rVB	435033	612118	24.44%	1.921%
91	17.806	1451	1454	1457	rVB	737397	868183	34.66%	2.724%
92	17.874	1457	1460	1461	rBV	410361	659962	26.35%	2.071%
93	18.423	1505	1508	1510	rBV2	34922	66800	2.67%	0.210%
94	18.903	1547	1550	1551	rBV	28011	59209	2.36%	0.186%
95	19.154	1569	1572	1575	rBV2	67245	128304	5.12%	0.403%
96	19.314	1583	1586	1591	rVB2	303316	638863	25.50%	2.005%
97	19.497	1600	1602	1605	rBV	59082	108840	4.34%	0.342%
98	19.554	1605	1607	1610	rVV2	41884	75356	3.01%	0.236%
99	19.749	1620	1624	1634	rVB	275277	587014	23.43%	1.842%
100	19.977	1641	1644	1652	rVB	65436	164978	6.59%	0.518%

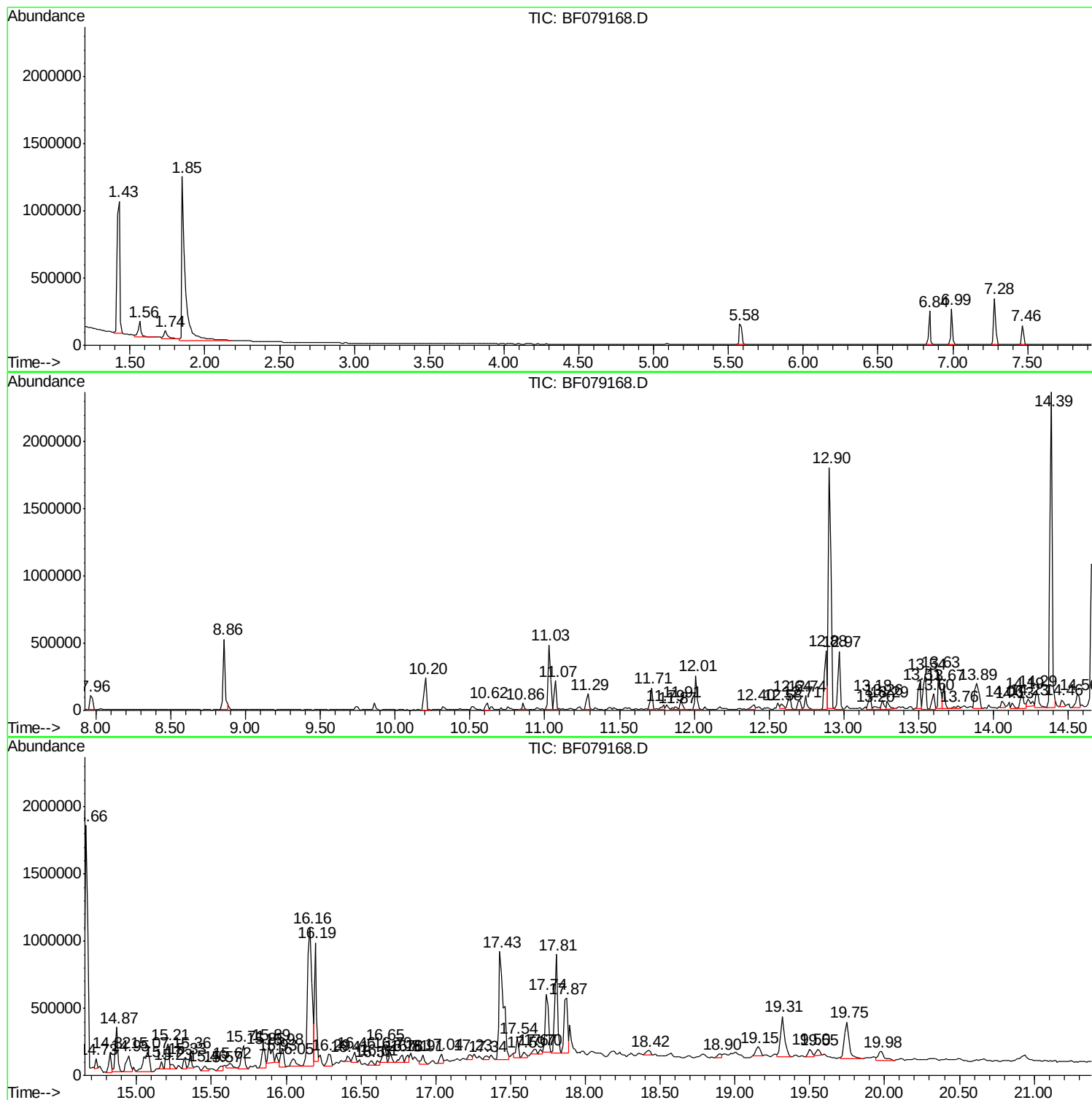
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Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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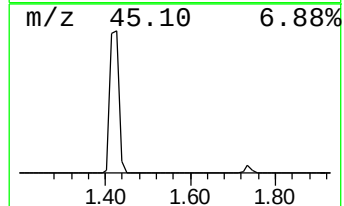
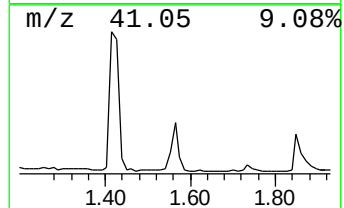
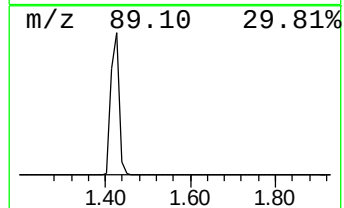
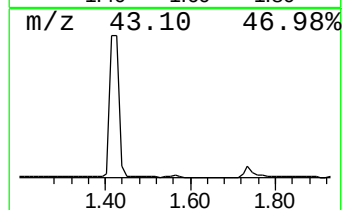
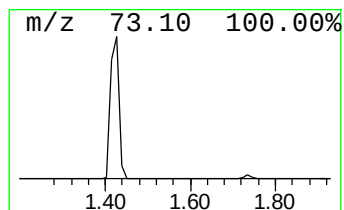
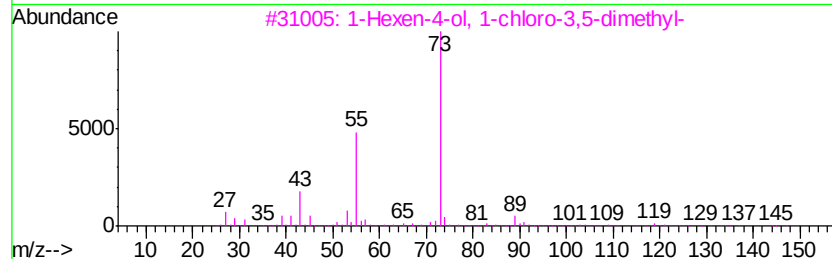
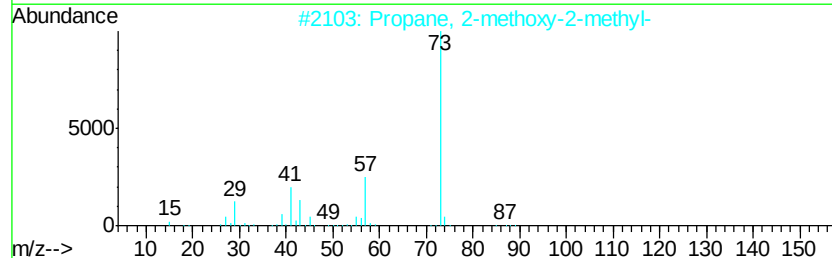
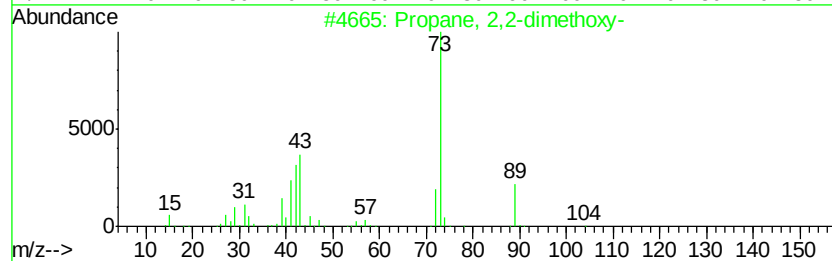
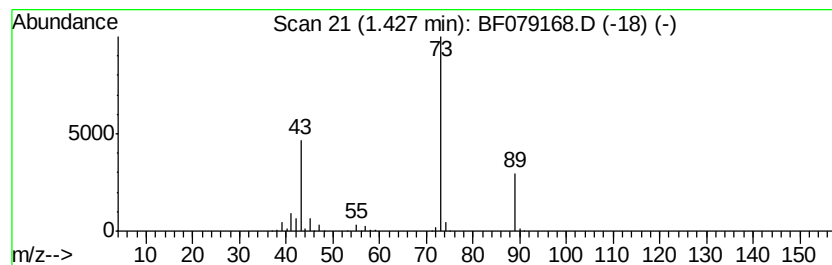
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.43	85.76 ng	1349830	1,4-Dichlorobenzene-d4	7.28

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	56	
2	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9	
3	1-Hexen-4-ol, 1-chloro-3,5-dimet...	162	C8H15ClO	100244-09-5	9	
4	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9	
5	Methane, isothiocyanato-	73	C2H3NS	000556-61-6	7	



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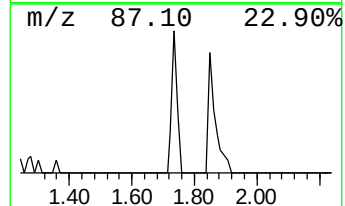
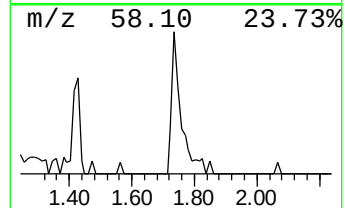
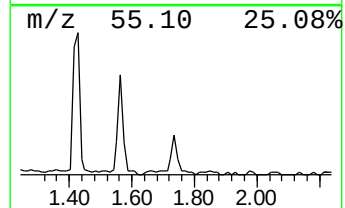
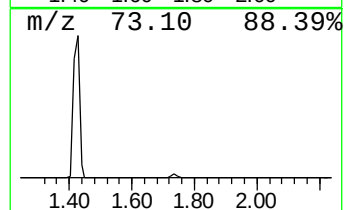
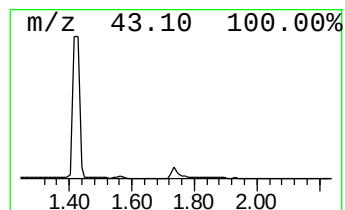
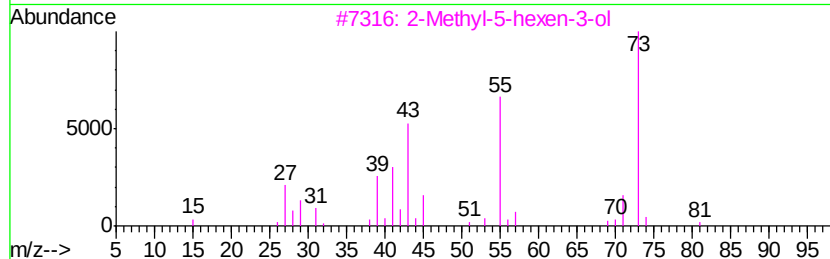
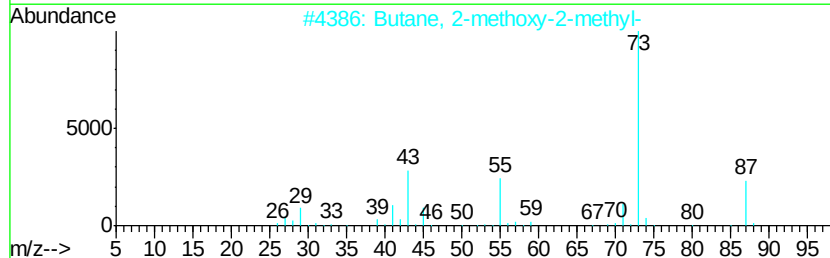
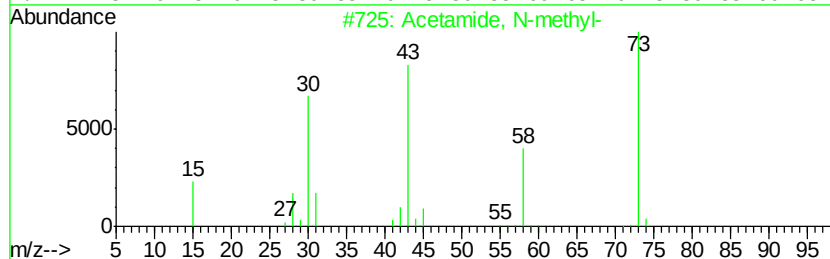
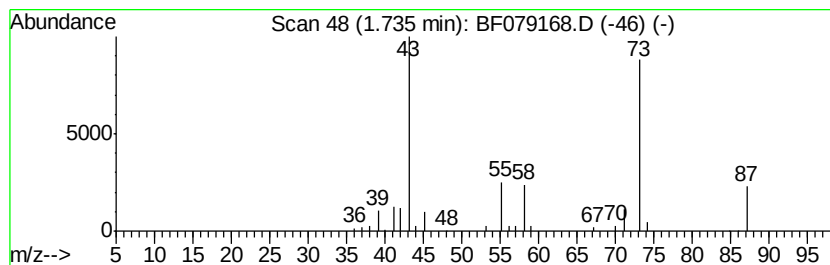
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown1.74 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.74	6.54 ng	102875	1,4-Dichlorobenzene-d4	7.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Acetamide, N-methyl-	73	C3H7NO	000079-16-3	47
2		Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	38
3		2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	23
4		Pentanal, 2-methyl-	100	C6H12O	000123-15-9	10
5		N-Ethylformamide	73	C3H7NO	000627-45-2	9



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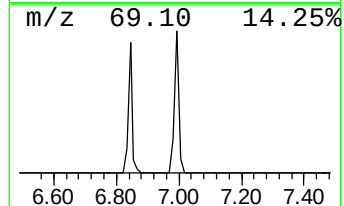
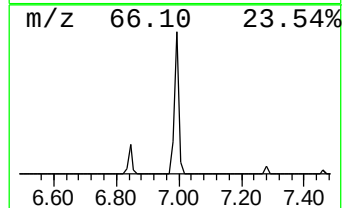
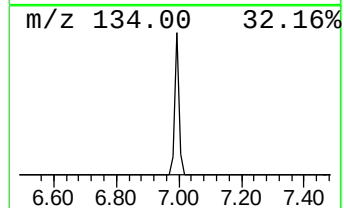
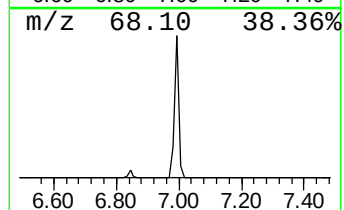
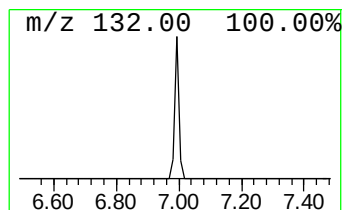
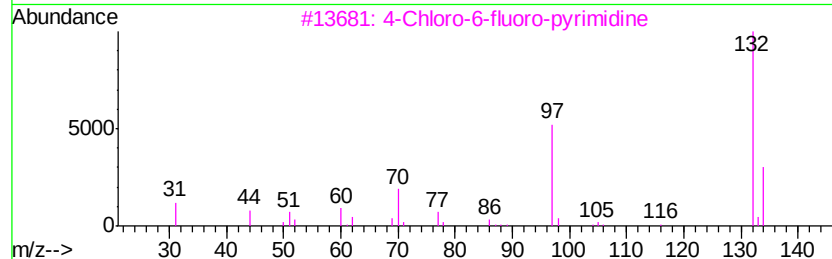
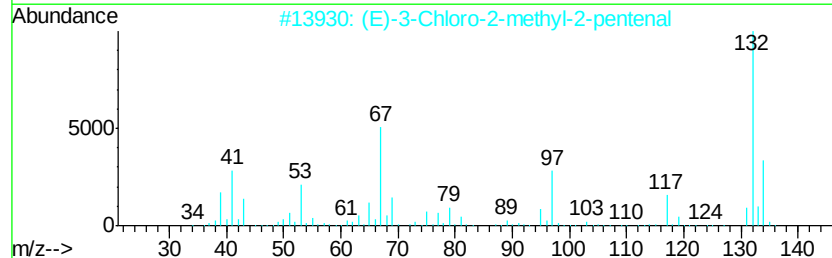
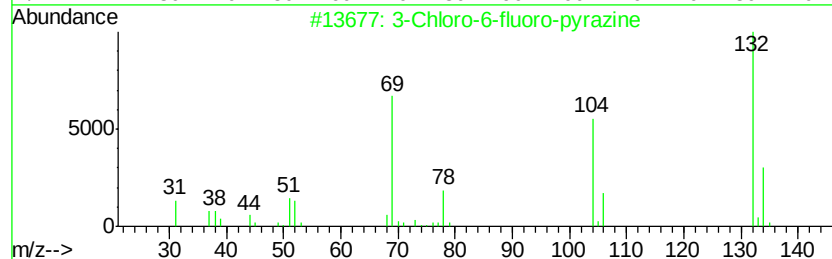
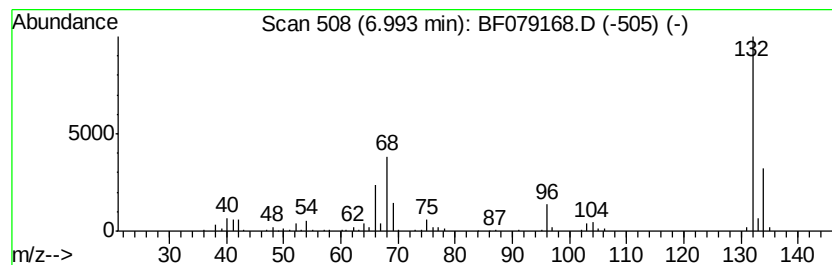
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 5 unknown6.99 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.99	14.92 ng	234901	1,4-Dichlorobenzene-d4	7.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
4		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051215\
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Acq On : 12 May 2015 20:14
Operator : TP/IZ
Sample : G2155-06 5X
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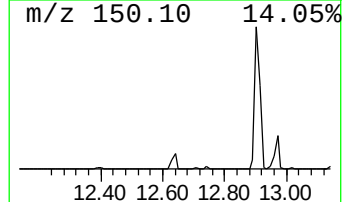
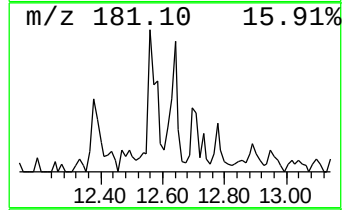
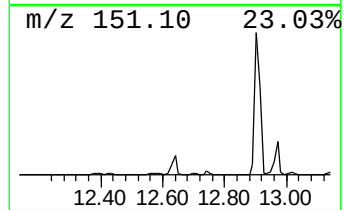
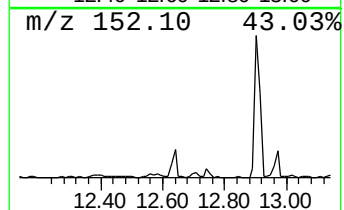
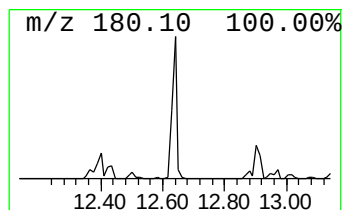
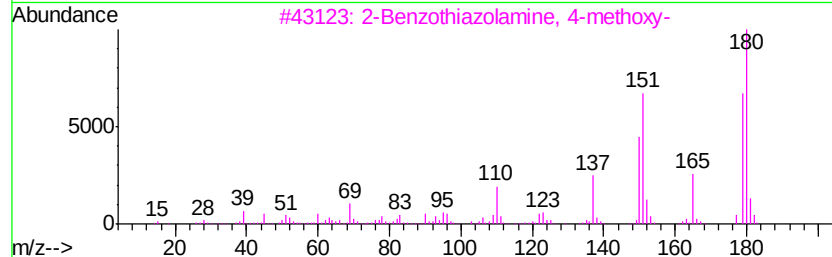
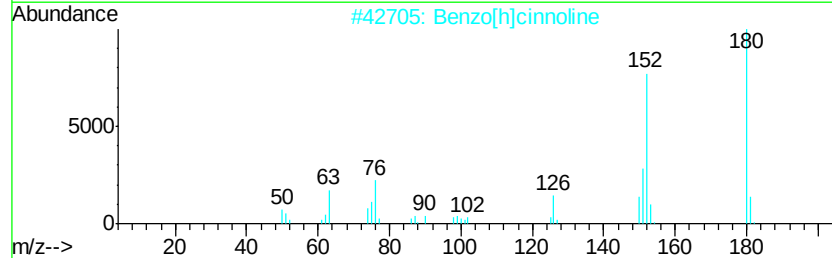
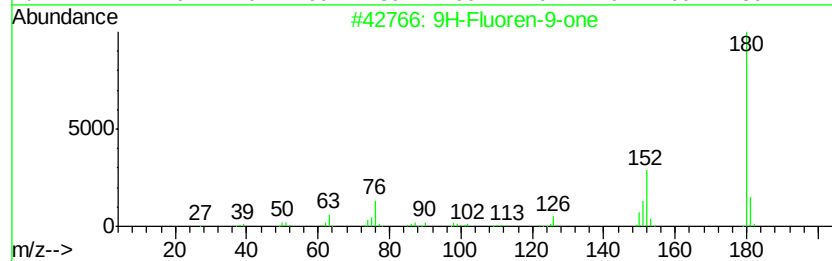
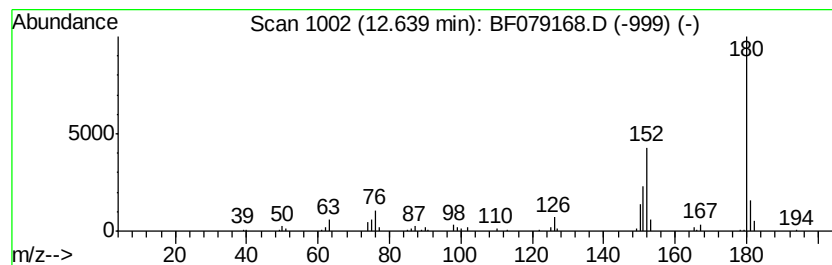
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9H-Fluoren-9-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.64	4.06 ng	124460	Phenanthrene-d10		12.88
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	2-Benzothiazolamine, 4-methoxy-	180	C8H8N2OS	005464-79-9	58
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	52
5	Phenazine	180	C12H8N2	000092-82-0	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051215\
Data File : BF079168.D
Acq On : 12 May 2015 20:14
Operator : TP/IZ
Sample : G2155-06 5X
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Instrument :
BNA_F
ClientSampleId :
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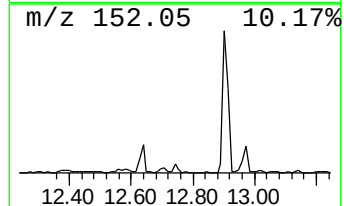
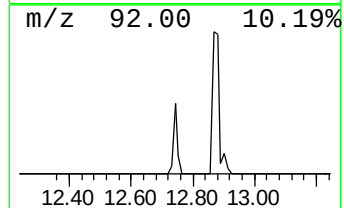
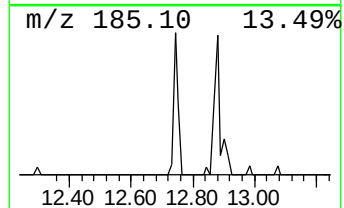
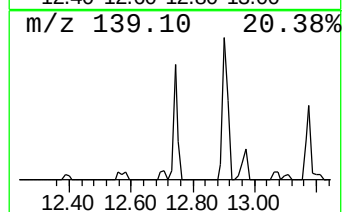
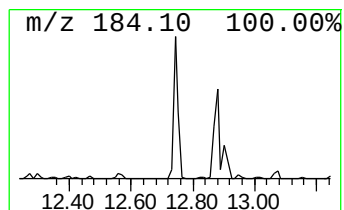
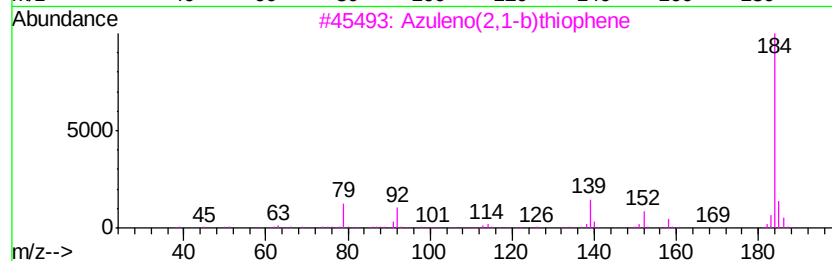
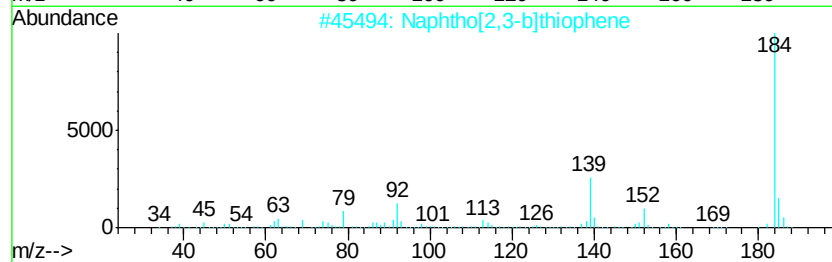
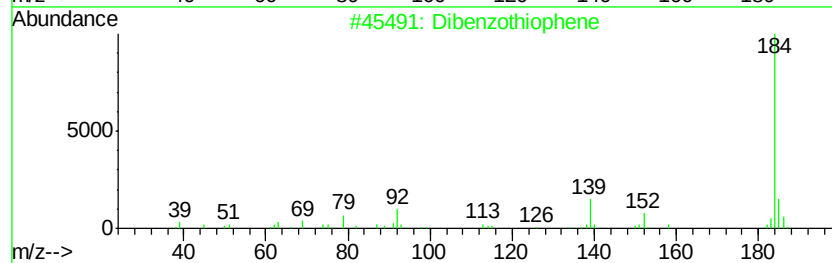
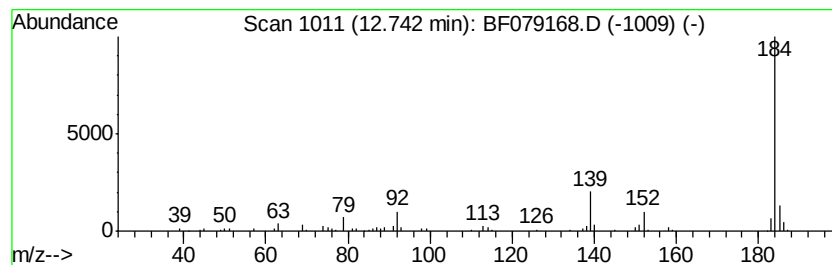
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	4.18 ng	128270	Phenanthrene-d10	12.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	95
2		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4		Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	53
5		2,5-Cyclohexadiene-1,4-dione, 2,...	184	C8H8O5	000085-23-4	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051215\
Data File : BF079168.D
Acq On : 12 May 2015 20:14
Operator : TP/IZ
Sample : G2155-06 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

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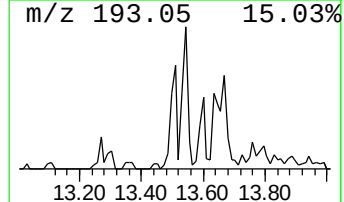
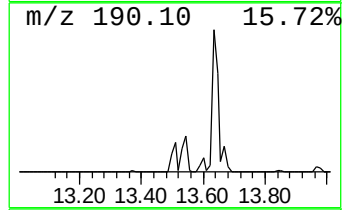
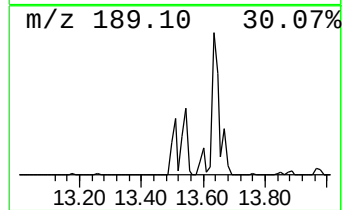
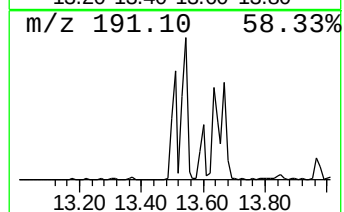
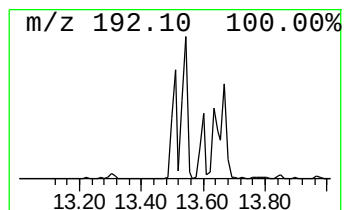
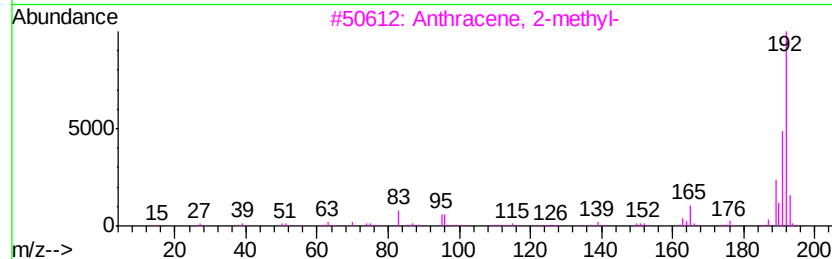
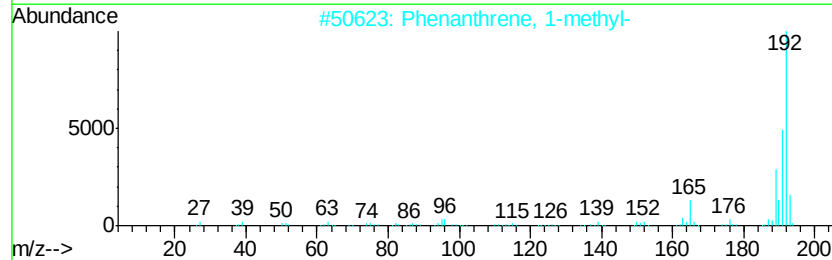
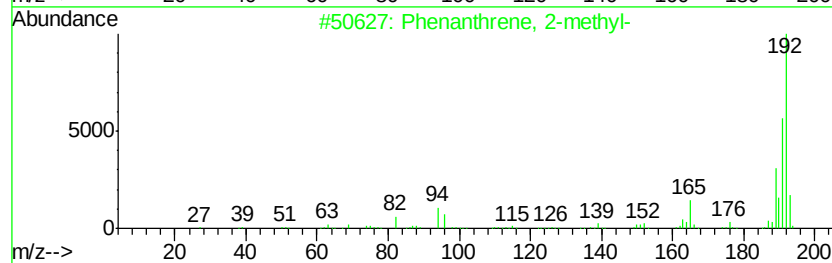
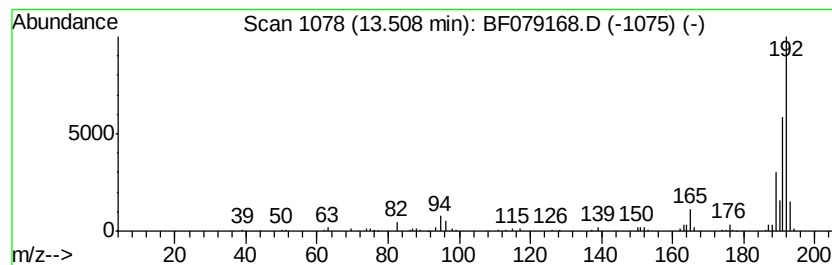
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	7.44 ng	228068	Phenanthrene-d10	12.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051215\
Data File : BF079168.D
Acq On : 12 May 2015 20:14
Operator : TP/IZ
Sample : G2155-06 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

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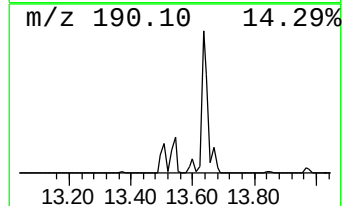
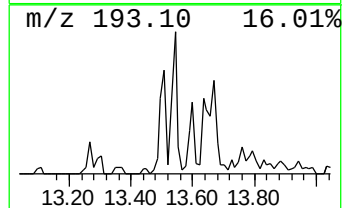
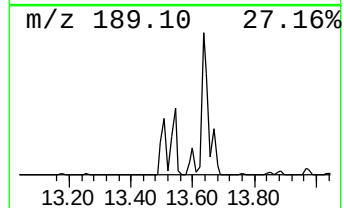
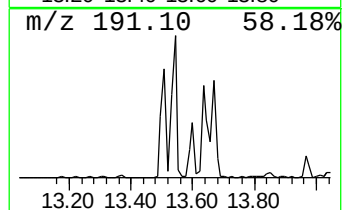
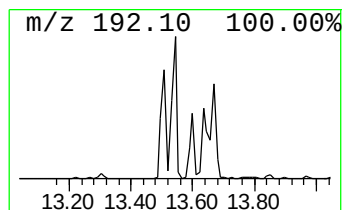
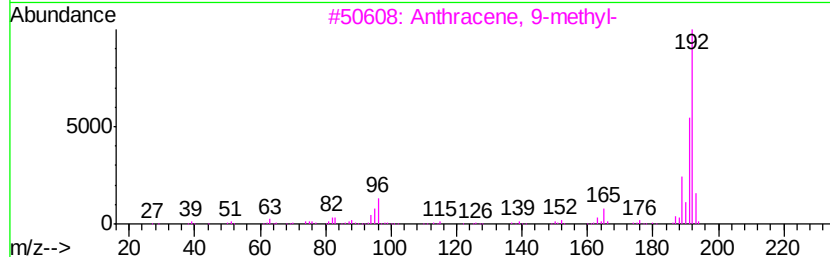
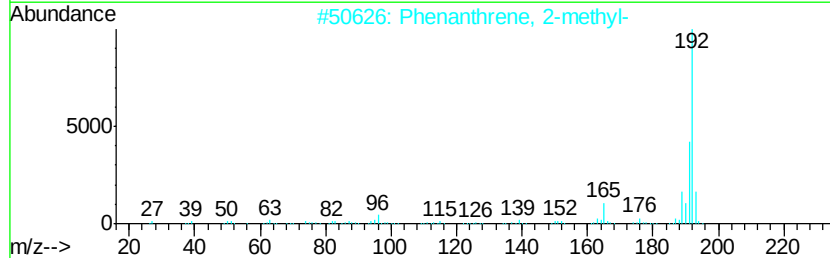
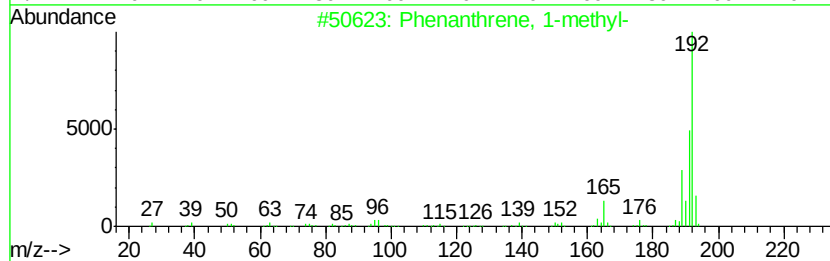
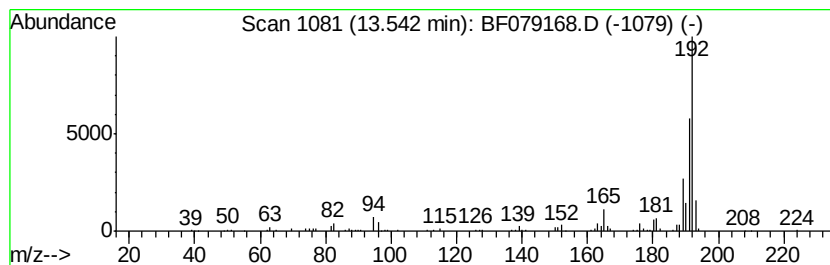
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	10.23 ng	313814	Phenanthrene-d10	12.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5		1H-Cyclopropa[l]phenanthrene, 1a,...	192	C15H12	000949-41-7	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051215\
Data File : BF079168.D
Acq On : 12 May 2015 20:14
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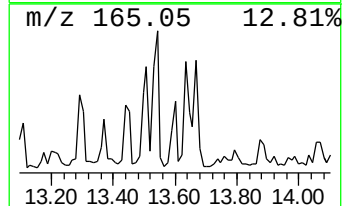
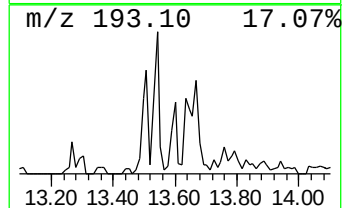
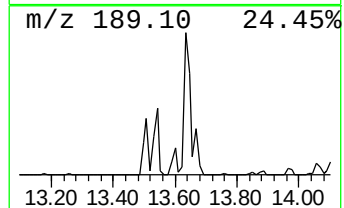
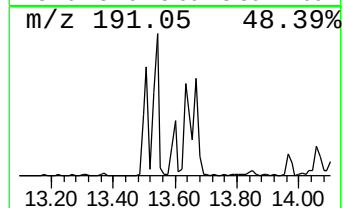
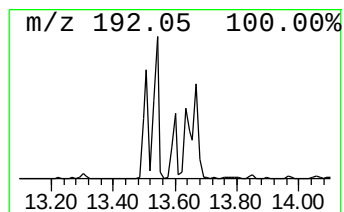
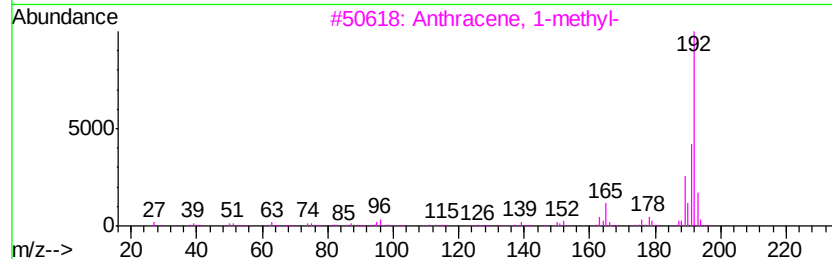
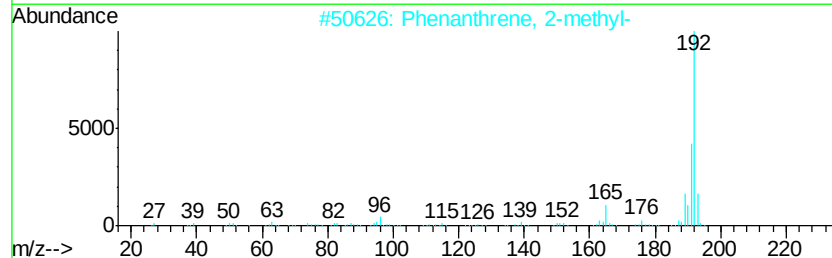
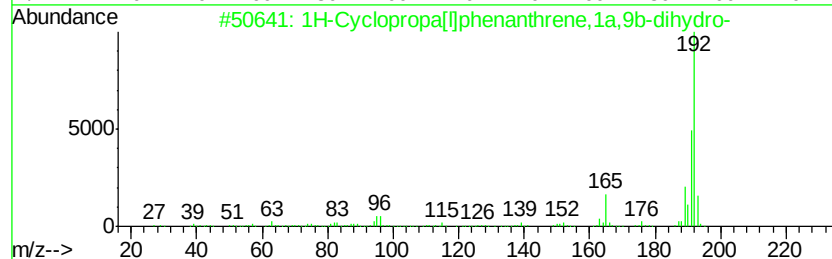
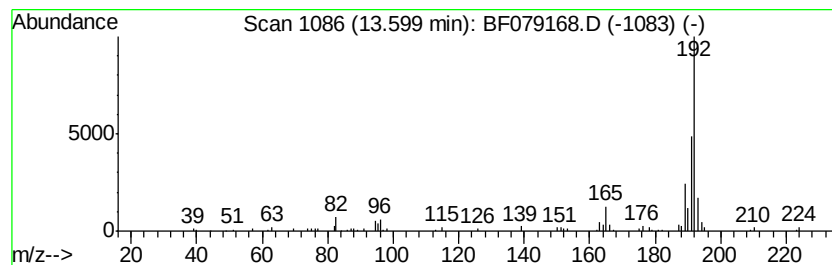
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	4.27 ng	130823	Phenanthrene-d10	12.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051215\
Data File : BF079168.D
Acq On : 12 May 2015 20:14
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ClientSampleId :
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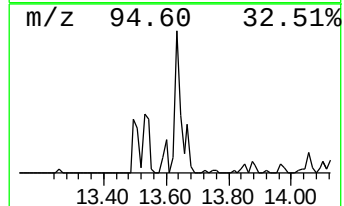
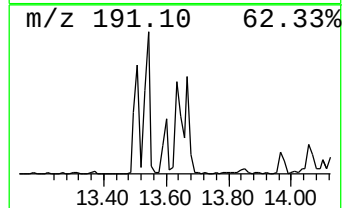
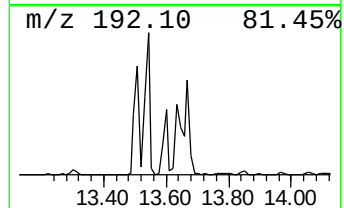
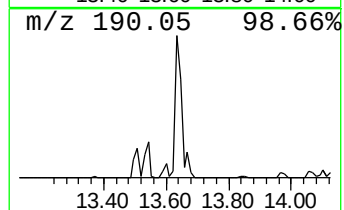
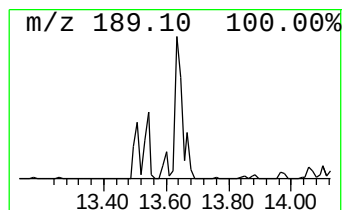
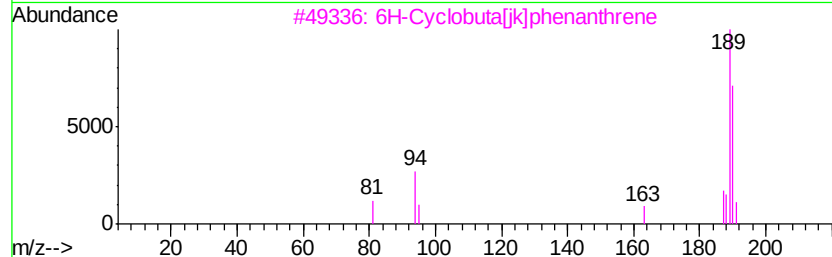
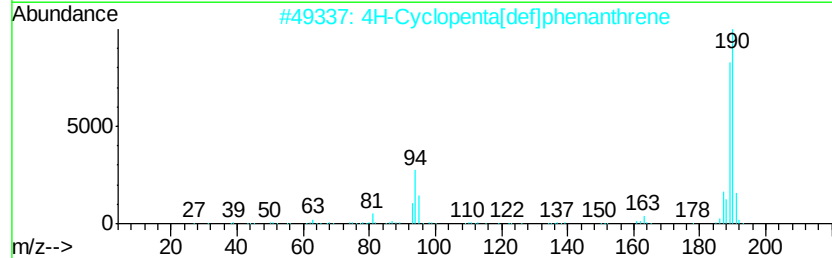
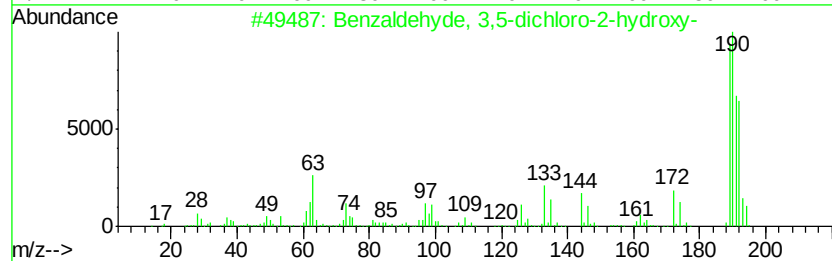
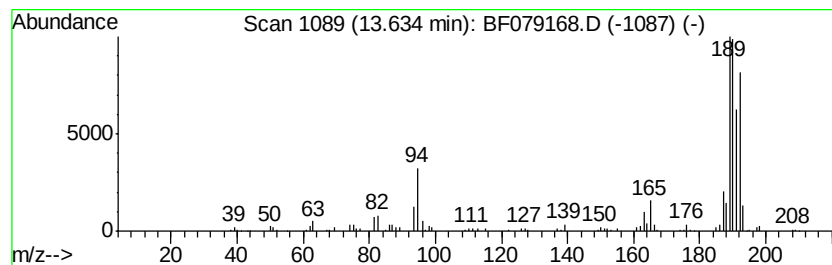
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Benzaldehyde, 3,5-dichloro-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	11.54 ng	354008	Phenanthrene-d10	12.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	6H-Cyclobuta[f]phenanthrene	190	C15H10	083469-43-6	49
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051215\
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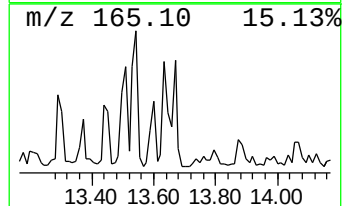
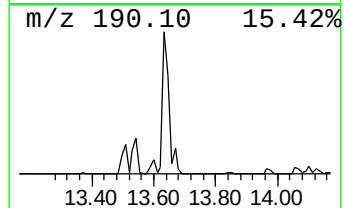
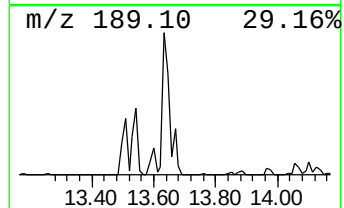
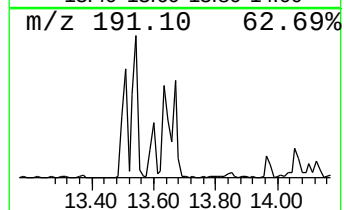
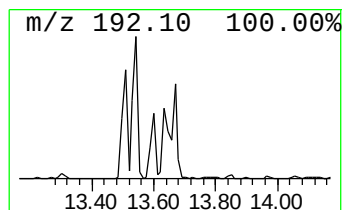
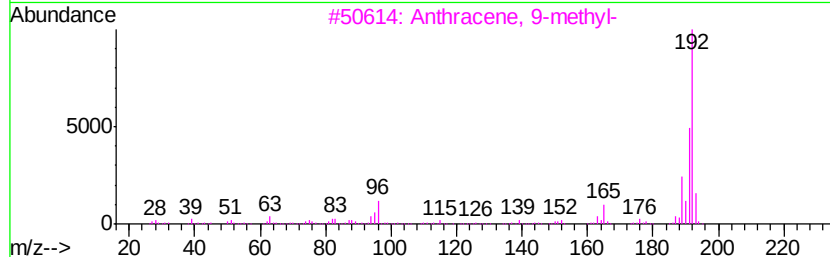
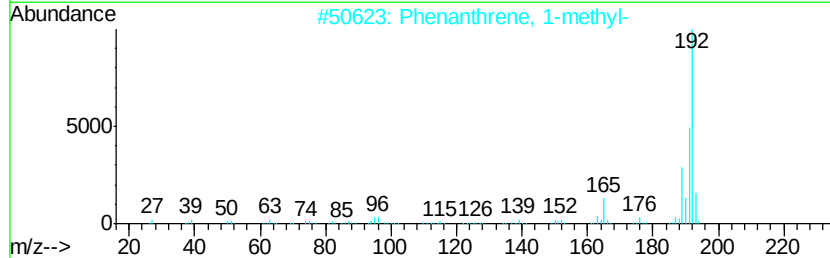
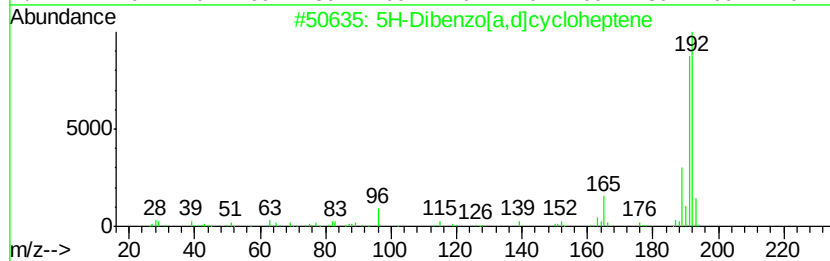
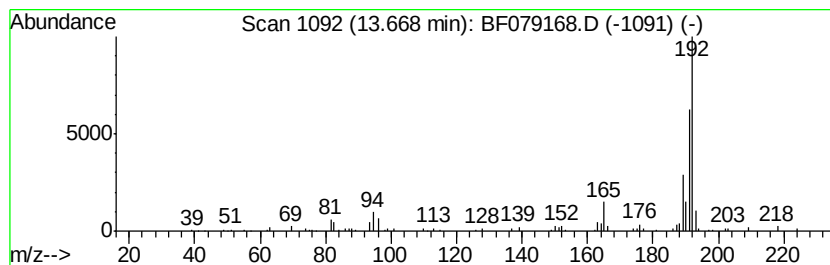
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 5H-Dibenzo[a,d]cycloheptene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	4.65 ng	142695	Phenanthrene-d10	12.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3			Anthracene, 9-methyl-	192	C15H12	000779-02-2	92
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051215\
Data File : BF079168.D
Acq On : 12 May 2015 20:14
Operator : TP/IZ
Sample : G2155-06 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

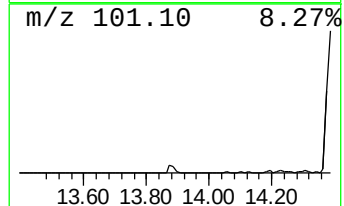
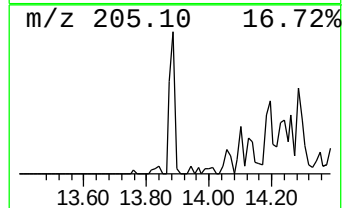
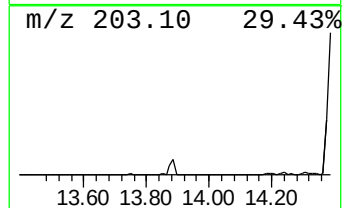
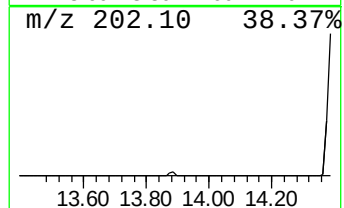
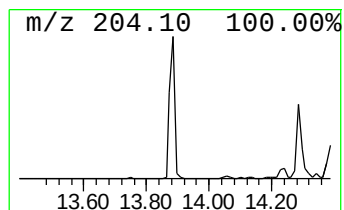
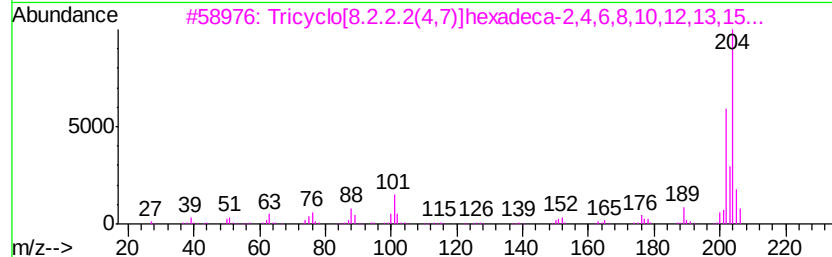
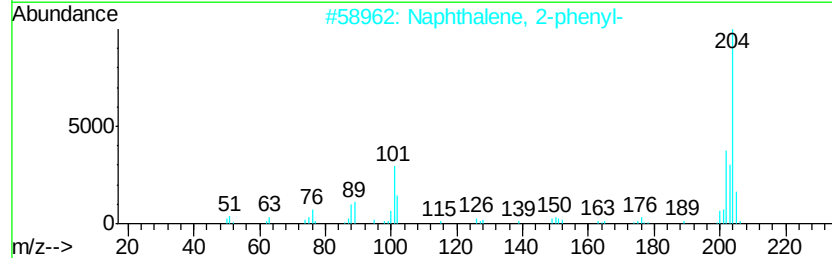
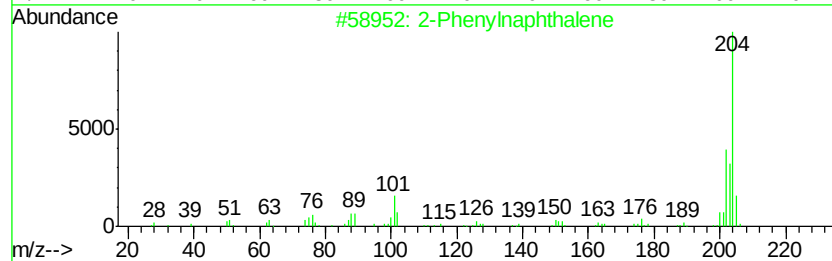
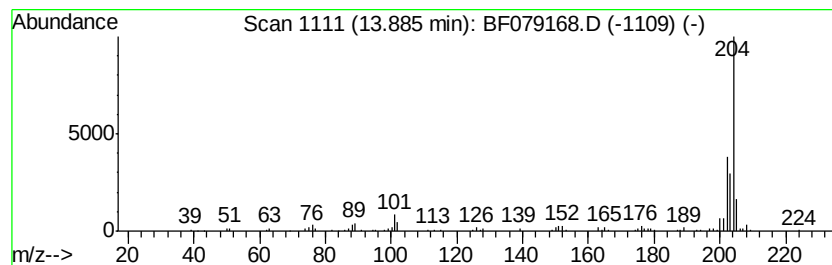
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 2-Phenylnaphthalene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.89	12.76 ng	391476	Phenanthrene-d10	12.88	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	93
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051215\
Data File : BF079168.D
Acq On : 12 May 2015 20:14
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Sample : G2155-06 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-48AS

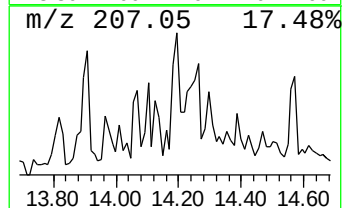
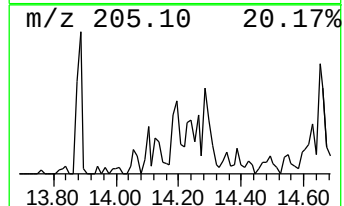
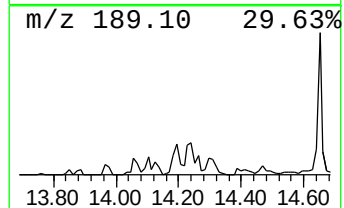
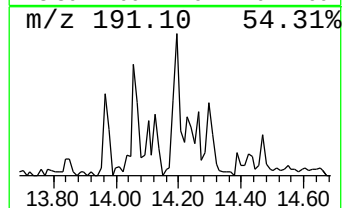
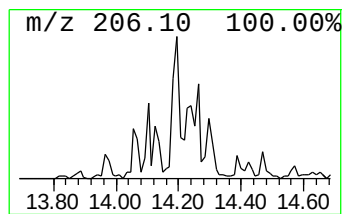
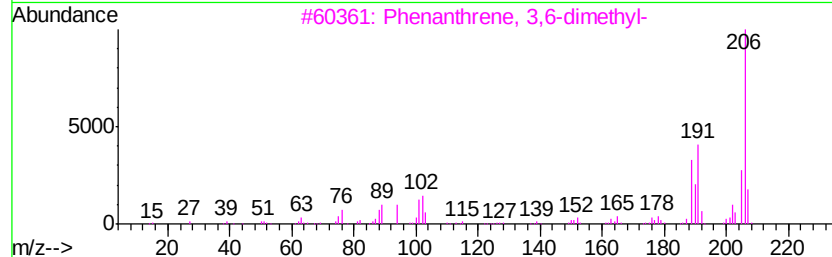
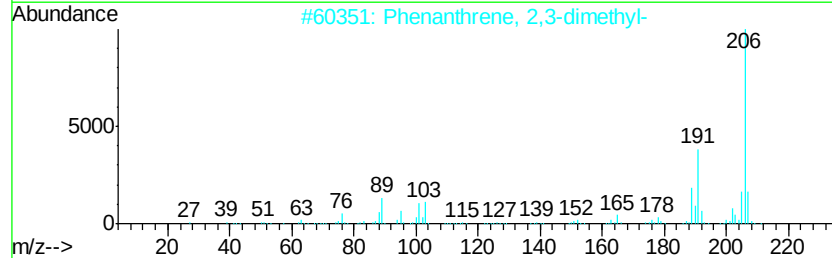
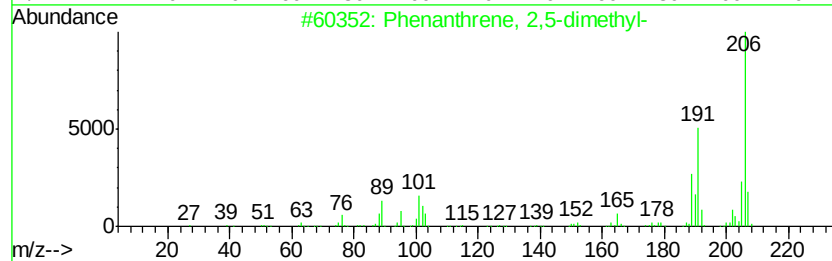
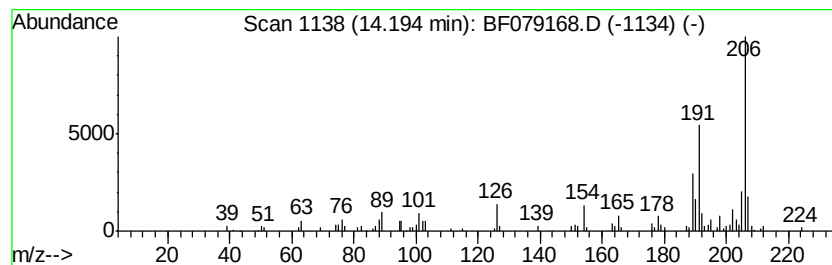
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.19	6.25 ng	191808	Phenanthrene-d10	12.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	9,10-Dimethylantracene	206	C16H14	000781-43-1	90
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051215\
Data File : BF079168.D
Acq On : 12 May 2015 20:14
Operator : TP/IZ
Sample : G2155-06 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-48AS

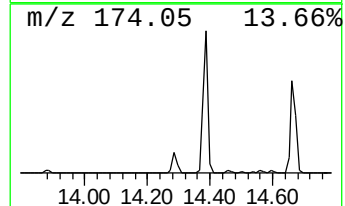
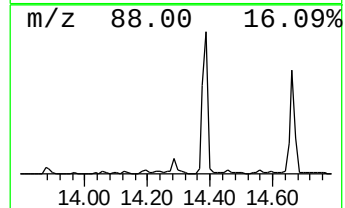
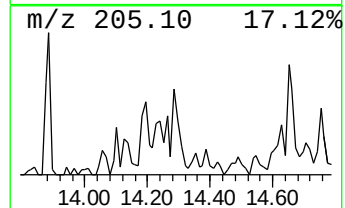
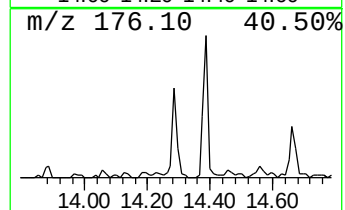
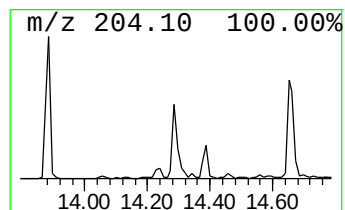
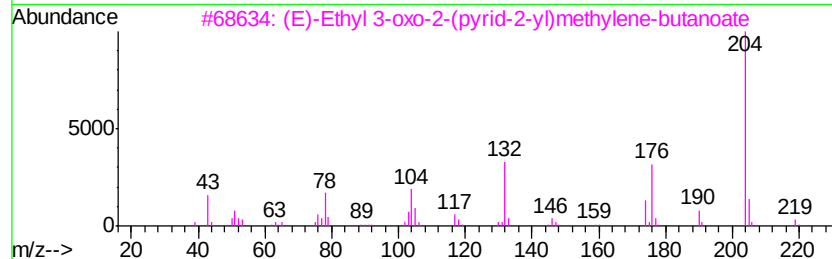
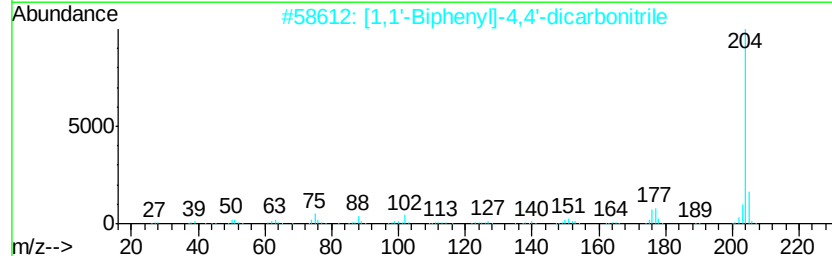
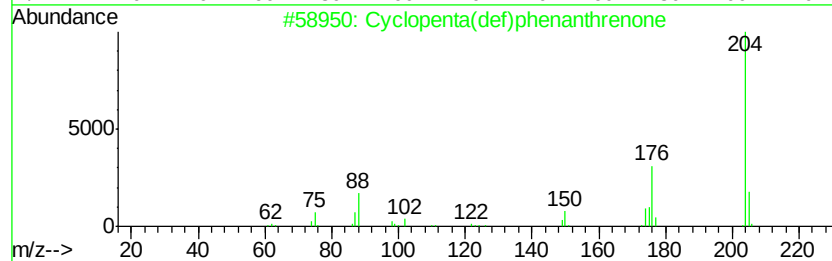
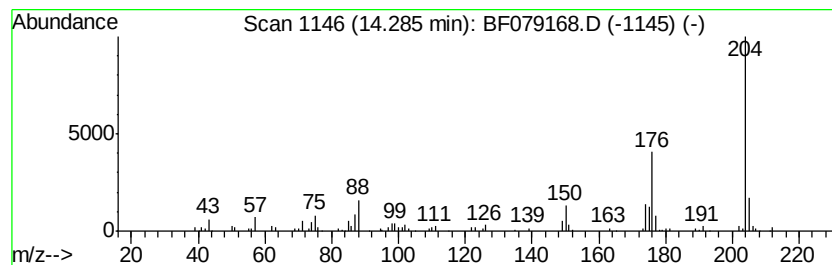
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	6.05 ng	185605	Phenanthrene-d10	12.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	64
3		(E)-Ethyl 3-oxo-2-(pyrid-2-yl)methylene-butanoate	219	C12H13NO3	1000147-59-7	50
4		9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	49
5		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051215\
Data File : BF079168.D
Acq On : 12 May 2015 20:14
Operator : TP/IZ
Sample : G2155-06 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-48AS

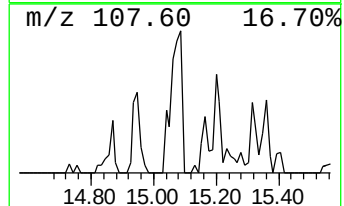
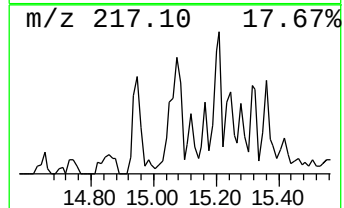
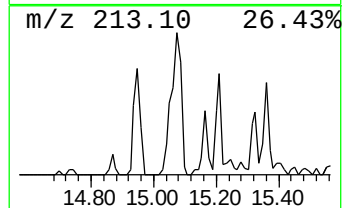
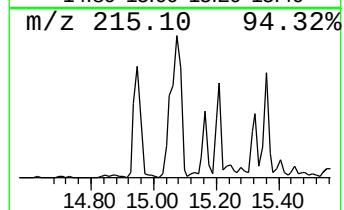
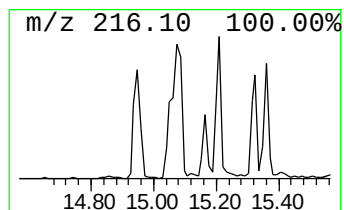
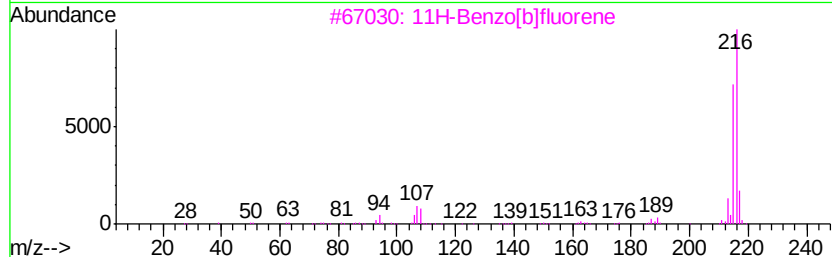
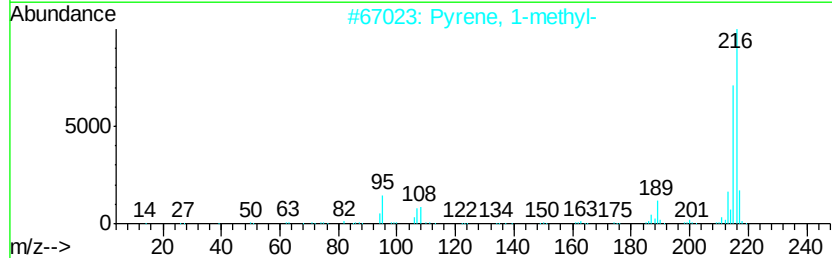
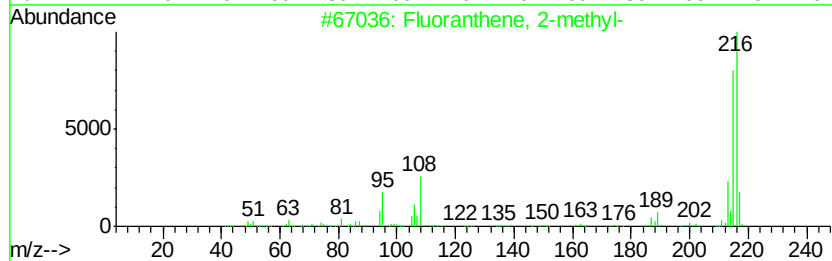
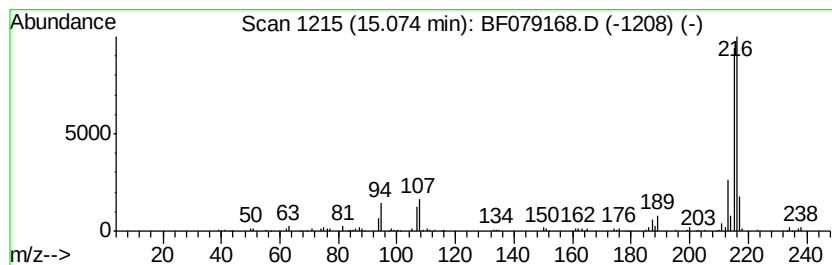
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	3.95 ng	406223	Chrysene-d12	16.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	86
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051215\
Data File : BF079168.D
Acq On : 12 May 2015 20:14
Operator : TP/IZ
Sample : G2155-06 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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
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unknown1.74	1.74	6.5	ng	102875	1	7.28	314797	20.0
unknown6.99	6.99	14.9	ng	234901	1	7.28	314797	20.0
9H-Fluoren-9-one	12.64	4.1	ng	124460	4	12.88	613443	20.0
Dibenzothiophene	12.74	4.2	ng	128270	4	12.88	613443	20.0
Phenanthrene, 2-m...	13.51	7.4	ng	228068	4	12.88	613443	20.0
Phenanthrene, 1-m...	13.54	10.2	ng	313814	4	12.88	613443	20.0
1H-Cyclopropa[l]p...	13.60	4.3	ng	130823	4	12.88	613443	20.0
Benzaldehyde, 3,5...	13.63	11.5	ng	354008	4	12.88	613443	20.0
5H-Dibenzo[a,d]cy...	13.67	4.7	ng	142695	4	12.88	613443	20.0
2-Phenyl naphthalene	13.89	12.8	ng	391476	4	12.88	613443	20.0
Phenanthrene, 2,5...	14.19	6.3	ng	191808	4	12.88	613443	20.0
Cyclopenta(def)ph...	14.29	6.0	ng	185605	4	12.88	613443	20.0
Fluoranthene, 2-m...	15.07	4.0	ng	406223	5	16.17	2056980	20.0