

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
 Data File : BF077493.D
 Acq On : 27 Feb 2015 6:26
 Operator : TP/IZ
 Sample : G1385-15
 Misc : S
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-15-D4

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	1.424	44	47	50	rBV	3077050	3208127	100.00%	7.126%
2	1.561	55	59	62	rVB	84161	140672	4.38%	0.312%
3	1.733	71	74	78	rVV	46413	54742	1.71%	0.122%
4	1.847	81	84	96	rVB2	33568	84043	2.62%	0.187%
5	5.047	362	364	369	rVB	203056	230824	7.19%	0.513%
6	5.516	403	405	406	rBV	38700	43242	1.35%	0.096%
7	5.561	406	409	412	rVB	1046520	1098511	34.24%	2.440%
8	6.830	517	520	522	rBV	1071953	1215550	37.89%	2.700%
9	6.979	531	533	536	rVB	1342221	1212552	37.80%	2.693%
10	7.059	538	540	541	rBV	44293	44669	1.39%	0.099%
11	7.265	556	558	560	rBV	372876	448386	13.98%	0.996%
12	7.459	572	575	577	rBV	952990	947721	29.54%	2.105%
13	7.962	616	619	621	rVB	776156	780271	24.32%	1.733%
14	8.842	694	696	701	rVB	614627	712620	22.21%	1.583%
15	9.733	771	774	776	rVB	56712	56358	1.76%	0.125%
16	9.848	783	784	787	rVB	48889	47527	1.48%	0.106%
17	10.191	812	814	817	rVB	1730113	1494475	46.58%	3.319%
18	10.602	847	850	852	rBV	41057	46331	1.44%	0.103%
19	10.693	856	858	861	rBV	76969	84740	2.64%	0.188%
20	11.025	884	887	889	rBV	655423	781096	24.35%	1.735%
21	11.059	889	890	893	rVB	161299	134273	4.19%	0.298%
22	11.276	907	909	912	rBV	104540	101611	3.17%	0.226%
23	11.699	944	946	948	rVB	196820	180293	5.62%	0.400%
24	11.905	962	964	968	rVB2	52809	87828	2.74%	0.195%
25	11.996	970	972	975	rVB2	894018	990763	30.88%	2.201%
26	12.214	988	991	993	rBV	28859	47656	1.49%	0.106%
27	12.385	1002	1006	1008	rBV2	41025	70400	2.19%	0.156%
28	12.556	1016	1021	1022	rBV	32254	53843	1.68%	0.120%
29	12.625	1024	1027	1030	rVB	78231	98984	3.09%	0.220%
30	12.694	1030	1033	1035	rBV	42903	69902	2.18%	0.155%
31	12.739	1035	1037	1041	rVV	72835	118583	3.70%	0.263%
32	12.865	1045	1048	1049	rBV	875365	848843	26.46%	1.885%
33	12.899	1049	1051	1053	rVV	1673989	1819793	56.72%	4.042%
34	12.957	1053	1056	1058	rVV	526636	527101	16.43%	1.171%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
 Data File : BF077493.D
 Acq On : 27 Feb 2015 6:26
 Operator : TP/IZ
 Sample : G1385-15
 Misc : S
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 B-15-D4

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

35	13.002	1058	1060	1063	rVB2	46239	66128	2.06%	0.147%
36	13.162	1072	1074	1076	rVV	228401	202235	6.30%	0.449%
37	13.288	1083	1085	1087	rBV2	46916	63642	1.98%	0.141%
38	13.494	1099	1103	1105	rBV	212787	264793	8.25%	0.588%
39	13.528	1105	1106	1109	rVB	330184	284331	8.86%	0.632%
40	13.585	1109	1111	1113	rBV	137004	150545	4.69%	0.334%
41	13.631	1113	1115	1117	rVV	345786	484871	15.11%	1.077%
42	13.871	1134	1136	1140	rVB2	170800	283829	8.85%	0.630%
43	14.054	1148	1152	1154	rBV2	50075	69039	2.15%	0.153%
44	14.088	1154	1155	1156	rVV	50741	44414	1.38%	0.099%
45	14.179	1160	1163	1165	rVV	106030	132579	4.13%	0.294%
46	14.225	1165	1167	1170	rVV2	66950	119523	3.73%	0.265%
47	14.282	1170	1172	1175	rVB3	92167	159154	4.96%	0.353%
48	14.374	1177	1180	1183	rBV	2388132	2654286	82.74%	5.895%
49	14.454	1185	1187	1188	rBV	68301	81985	2.56%	0.182%
50	14.488	1188	1190	1192	rVB2	35026	47114	1.47%	0.105%
51	14.557	1192	1196	1198	rBV2	103697	173033	5.39%	0.384%
52	14.660	1201	1205	1207	rBV	2026260	2727128	85.01%	6.057%
53	14.717	1209	1210	1212	rVV	67989	87999	2.74%	0.195%
54	14.808	1216	1218	1220	rBV	134285	165483	5.16%	0.368%
55	14.865	1220	1223	1225	rVB	1851556	2054659	64.05%	4.564%
56	14.934	1225	1229	1231	rBV2	114738	219338	6.84%	0.487%
57	14.968	1231	1232	1234	rVB	48195	59783	1.86%	0.133%
58	15.037	1234	1238	1239	rBV3	127102	214161	6.68%	0.476%
59	15.071	1239	1241	1243	rVB	378089	401792	12.52%	0.892%
60	15.105	1243	1244	1246	rBV	26169	45637	1.42%	0.101%
61	15.151	1246	1248	1250	rVV	216440	274375	8.55%	0.609%
62	15.197	1250	1252	1254	rVV	269153	324430	10.11%	0.721%
63	15.277	1257	1259	1260	rBV	51593	45736	1.43%	0.102%
64	15.311	1260	1262	1264	rBV	104311	103816	3.24%	0.231%
65	15.357	1264	1266	1267	rVV2	70451	101754	3.17%	0.226%
66	15.391	1267	1269	1272	rVB4	48946	107019	3.34%	0.238%
67	15.448	1272	1274	1276	rBV	57367	93604	2.92%	0.208%
68	15.585	1281	1286	1287	rBV4	84650	210351	6.56%	0.467%
69	15.700	1294	1296	1300	rVB	135864	231356	7.21%	0.514%
70	15.848	1306	1309	1311	rBV2	207298	311421	9.71%	0.692%
71	15.894	1311	1313	1316	rVV2	176547	441397	13.76%	0.980%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
Data File : BF077493.D
Acq On : 27 Feb 2015 6:26
Operator : TP/IZ
Sample : G1385-15
Misc : S
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-15-D4

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

72	15.974	1318	1320	1323	rVB	191262	238369	7.43%	0.529%
73	16.043	1324	1326	1330	rBV2	200144	334260	10.42%	0.742%
74	16.168	1332	1337	1339	rBV2	1506261	2926622	91.23%	6.500%
75	16.203	1339	1340	1342	rVV	882482	1135005	35.38%	2.521%
76	16.237	1342	1343	1345	rVB2	89516	89071	2.78%	0.198%
77	16.305	1345	1349	1351	rBV	247217	310456	9.68%	0.690%
78	16.431	1358	1360	1362	rBV2	103665	149306	4.65%	0.332%
79	16.477	1362	1364	1366	rVV	137952	142241	4.43%	0.316%
80	16.603	1372	1375	1377	rBV2	77546	119418	3.72%	0.265%
81	16.637	1377	1378	1380	rBV	60686	79911	2.49%	0.177%
82	16.683	1380	1382	1384	rVV	170523	273294	8.52%	0.607%
83	16.728	1384	1386	1389	rVB2	97911	123590	3.85%	0.275%
84	16.808	1391	1393	1395	rVB2	100132	95824	2.99%	0.213%
85	16.843	1395	1396	1397	rBV	77518	87514	2.73%	0.194%
86	16.877	1397	1399	1400	rVB	63955	68534	2.14%	0.152%
87	17.025	1410	1412	1415	rBV2	34485	65370	2.04%	0.145%
88	17.094	1415	1418	1421	rBV	107099	191063	5.96%	0.424%
89	17.254	1430	1432	1434	rBV2	49349	76007	2.37%	0.169%
90	17.300	1434	1436	1437	rBV	67104	90601	2.82%	0.201%
91	17.517	1452	1455	1462	rBV	892135	2242410	69.90%	4.981%
92	17.643	1464	1466	1468	rVB	188846	239561	7.47%	0.532%
93	17.848	1482	1484	1488	rBV	474458	692627	21.59%	1.538%
94	17.917	1488	1490	1493	rVB	861553	1026359	31.99%	2.280%
95	17.986	1493	1496	1498	rBV	737611	1026667	32.00%	2.280%
96	19.289	1608	1610	1614	rVB	88223	161119	5.02%	0.358%
97	19.460	1622	1625	1630	rVB2	366450	784323	24.45%	1.742%
98	19.643	1639	1641	1644	rBV	71828	139686	4.35%	0.310%
99	19.700	1644	1646	1648	rVV3	62241	106197	3.31%	0.236%
100	19.894	1659	1663	1669	rVB	295595	622531	19.40%	1.383%

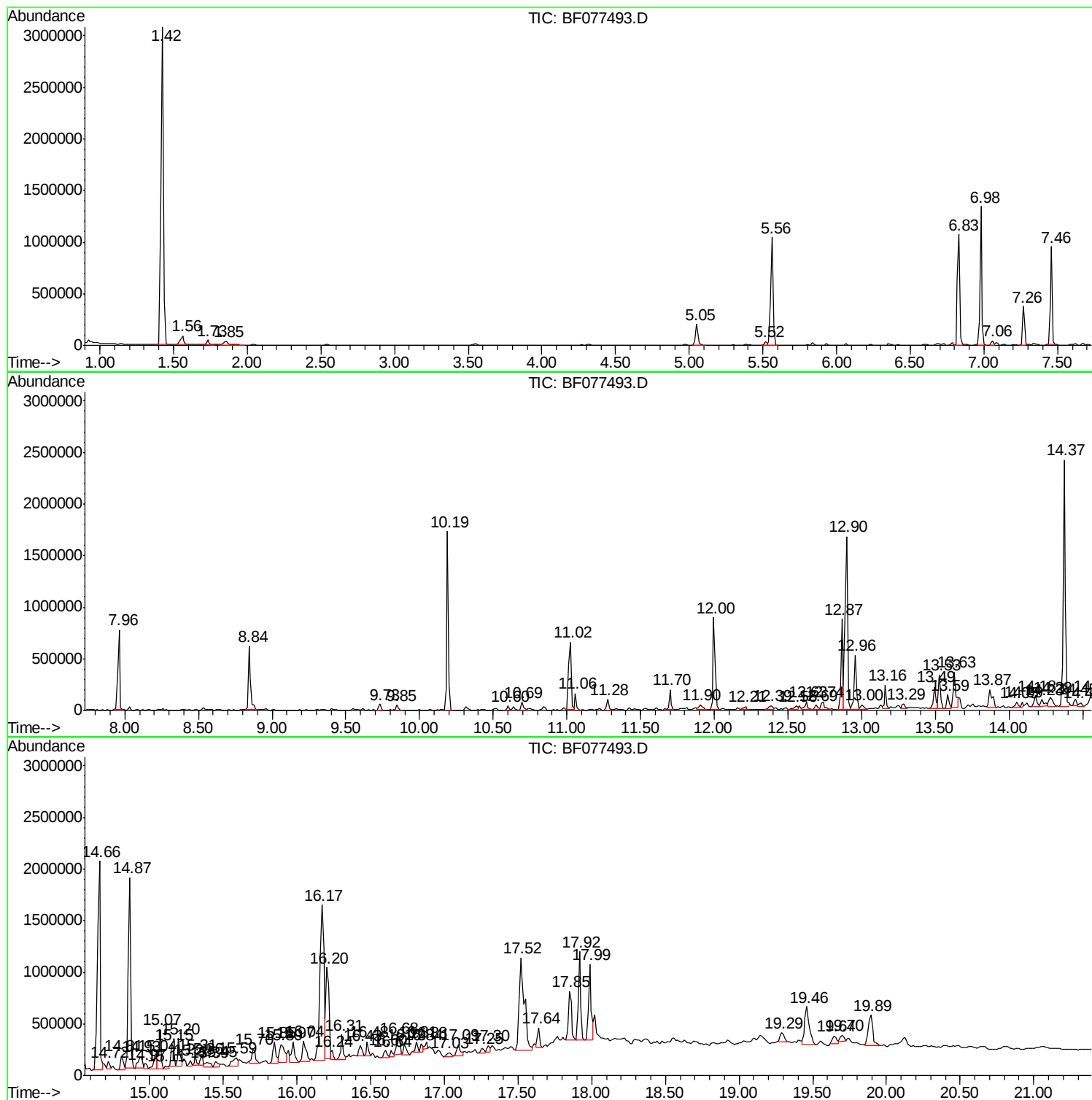
Sum of corrected areas: 45023006

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
Data File : BF077493.D
Acq On : 27 Feb 2015 6:26
Operator : TP/IZ
Sample : G1385-15
Misc : S
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
B-15-D4

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
Data File : BF077493.D
Acq On : 27 Feb 2015 6:26
Operator : TP/IZ
Sample : G1385-15
Misc : S
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-15-D4

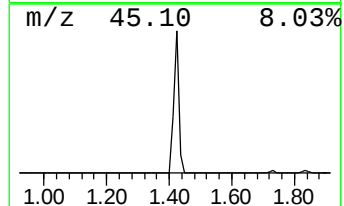
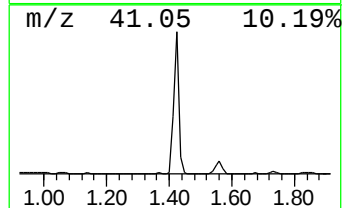
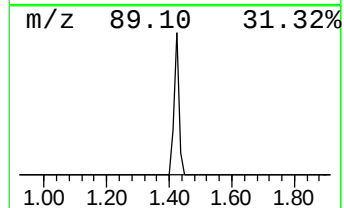
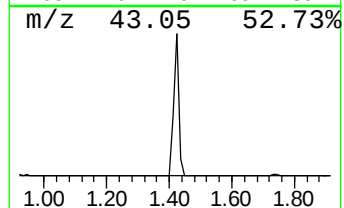
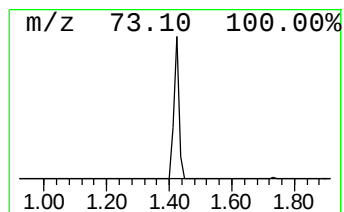
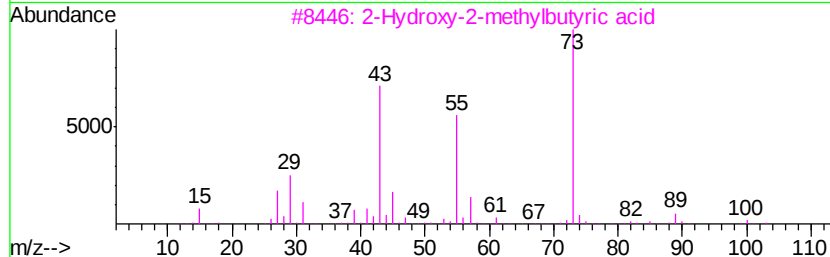
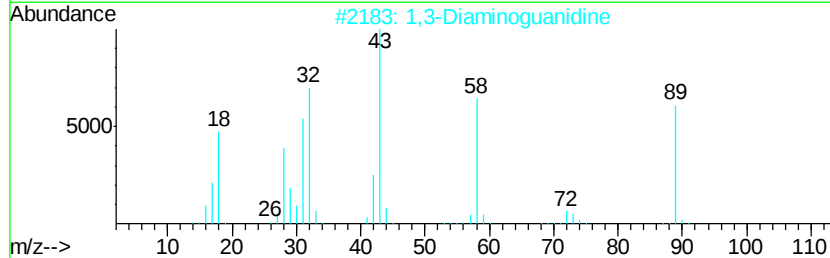
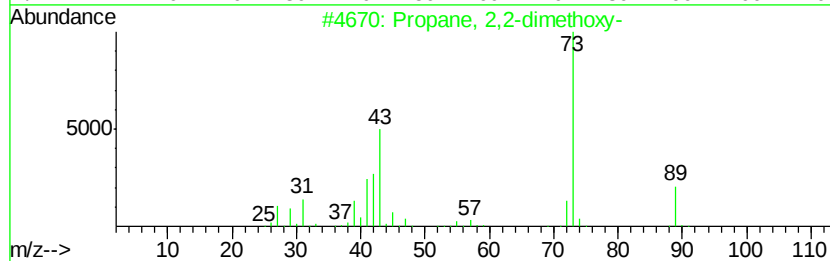
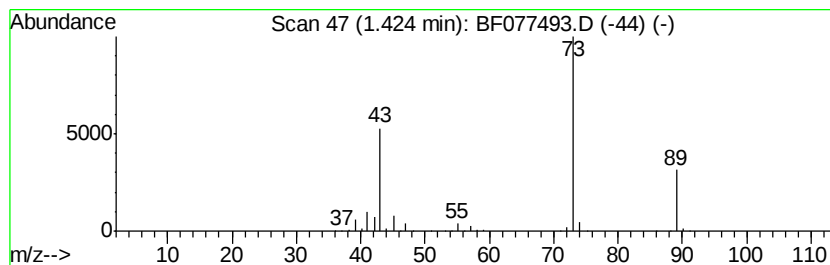
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown1.42 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.42	143.10 ng	3208130	1,4-Dichlorobenzene-d4	7.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	38
2		1,3-Diaminoguanidine	89	CH7N5	004364-78-7	9
3		2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9
4		Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
5		1-Hexen-4-ol, 1-chloro-3,5-dimet...	162	C8H15ClO	100244-09-5	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
Data File : BF077493.D
Acq On : 27 Feb 2015 6:26
Operator : TP/IZ
Sample : G1385-15
Misc : S
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-15-D4

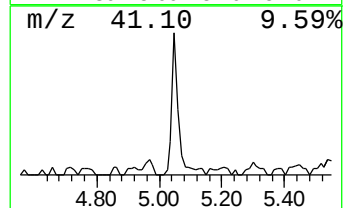
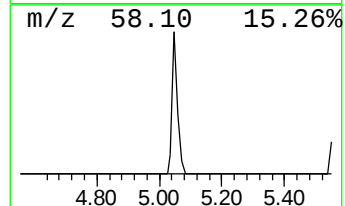
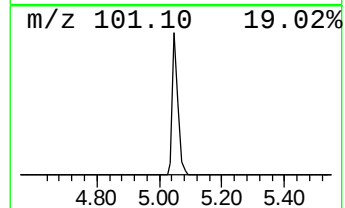
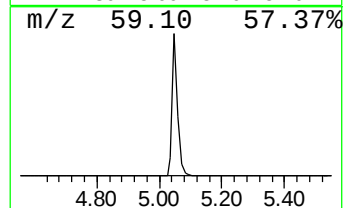
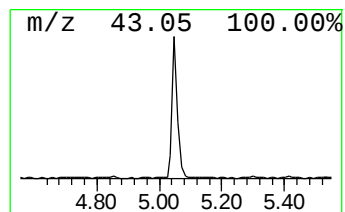
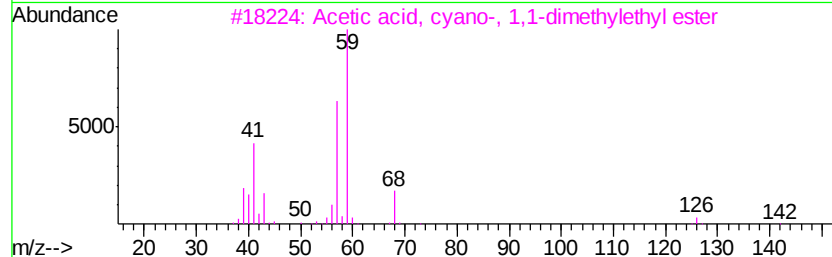
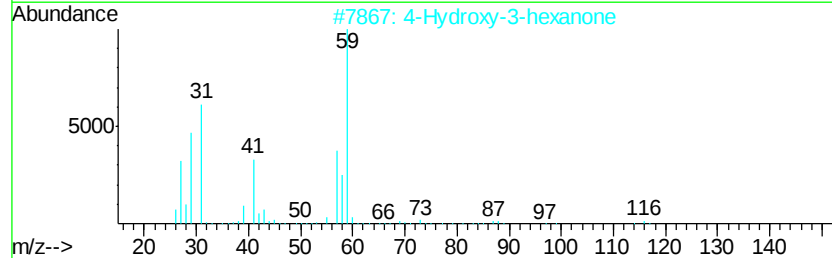
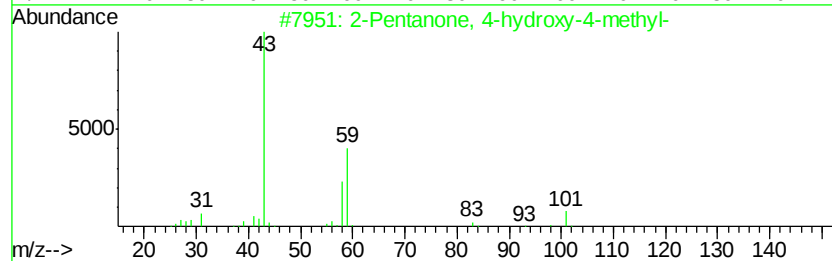
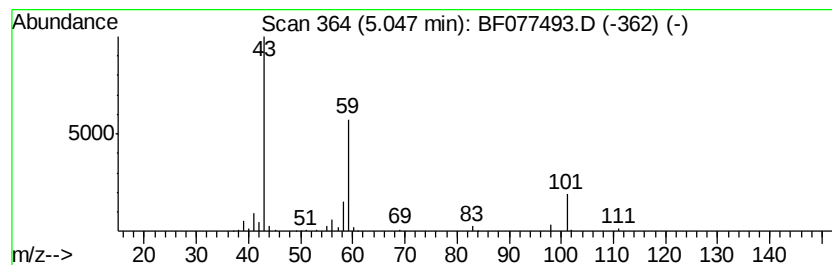
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	10.30 ng	230824	1,4-Dichlorobenzene-d4	7.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2		4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	25
3		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4		3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	23
5		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	10



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
Data File : BF077493.D
Acq On : 27 Feb 2015 6:26
Operator : TP/IZ
Sample : G1385-15
Misc : S
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-15-D4

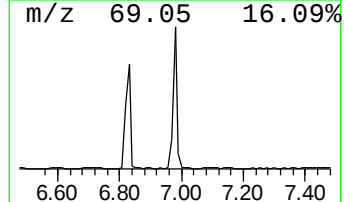
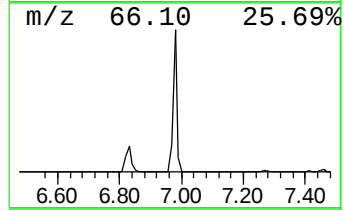
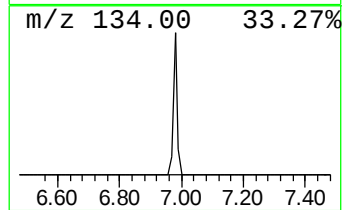
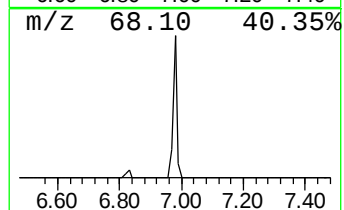
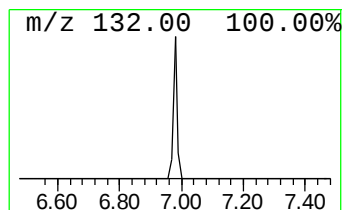
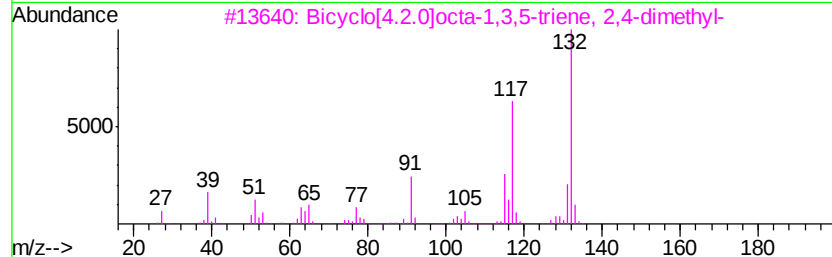
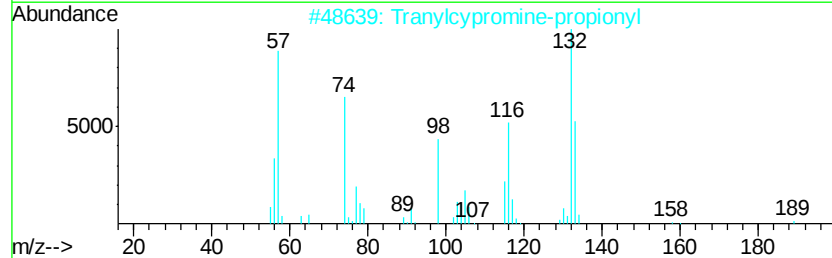
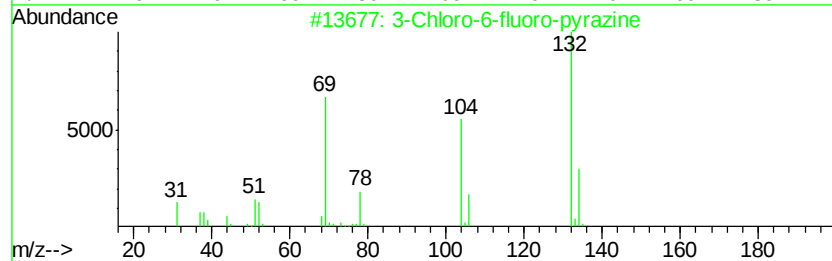
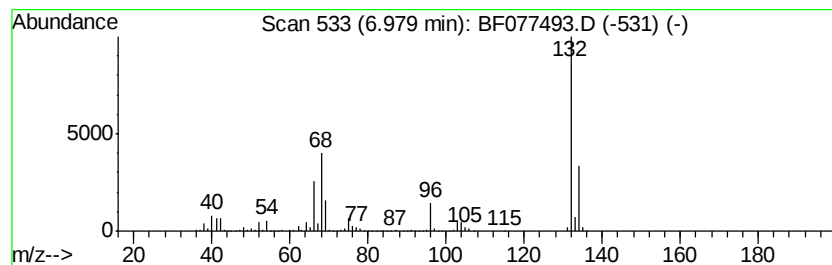
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown6.98 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.98	54.09 ng	1212550	1,4-Dichlorobenzene-d4	7.27

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
Data File : BF077493.D
Acq On : 27 Feb 2015 6:26
Operator : TP/IZ
Sample : G1385-15
Misc : S
ALS Vial : 31 Sample Multiplier: 1

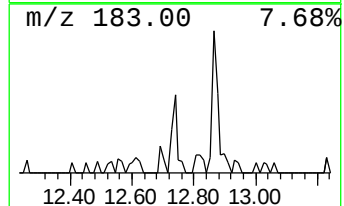
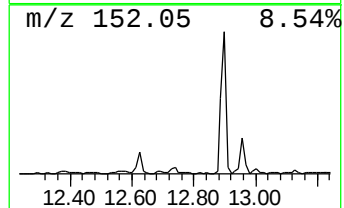
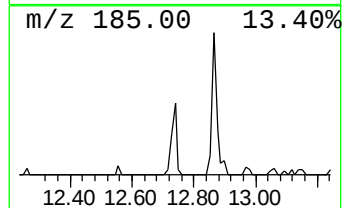
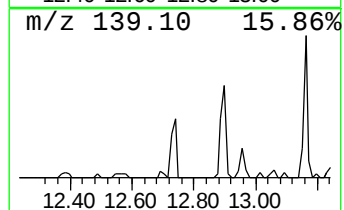
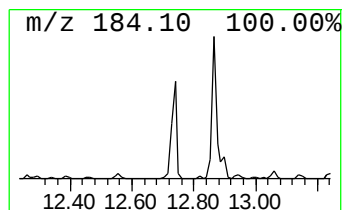
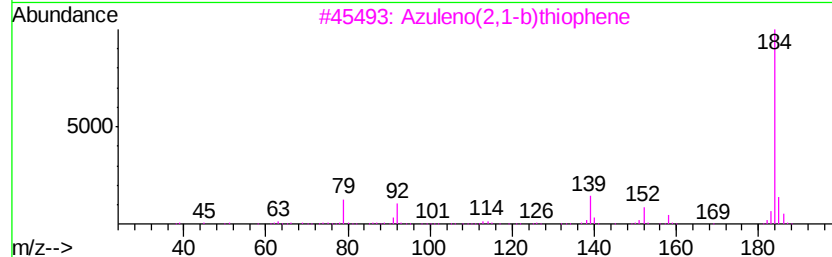
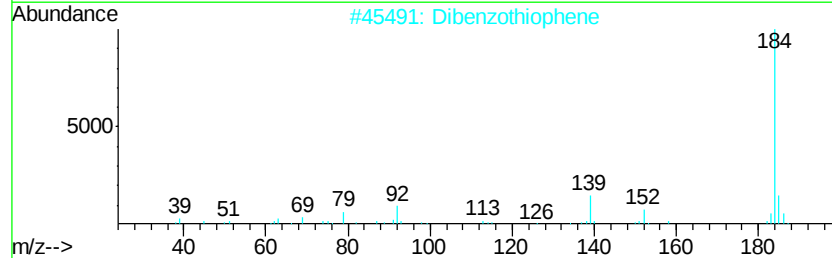
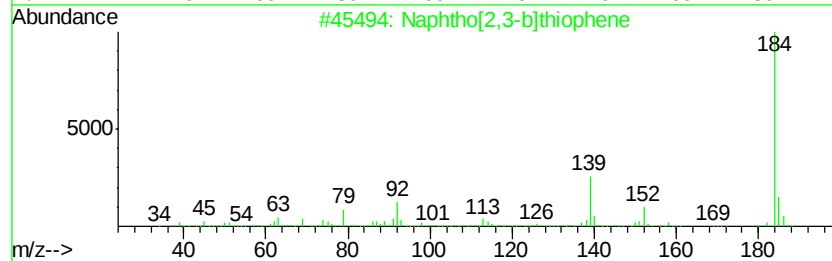
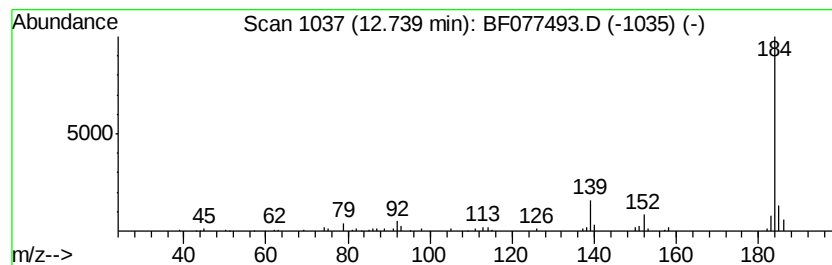
Instrument :
BNA_F
ClientSampleId :
B-15-D4

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 7 Naphtho[2,3-b]thiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.74	2.79 ng	118583	Phenanthrene-d10		12.87	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
2		Dibenzothiophene	184	C12H8S	000132-65-0	94
3		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
4		Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	80
5		1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
Data File : BF077493.D
Acq On : 27 Feb 2015 6:26
Operator : TP/IZ
Sample : G1385-15
Misc : S
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-15-D4

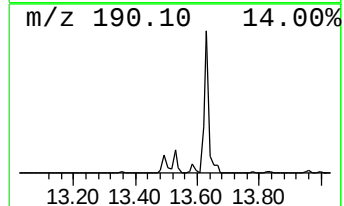
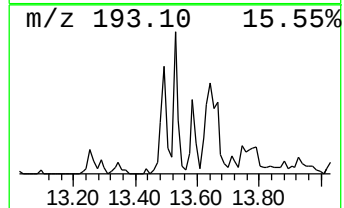
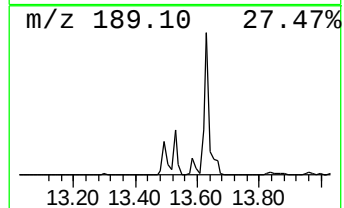
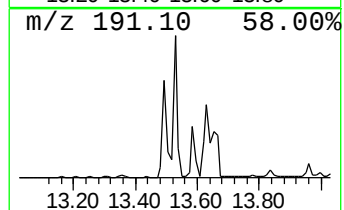
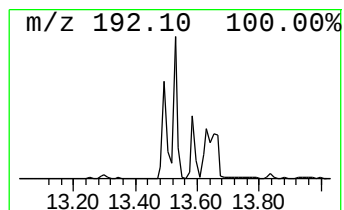
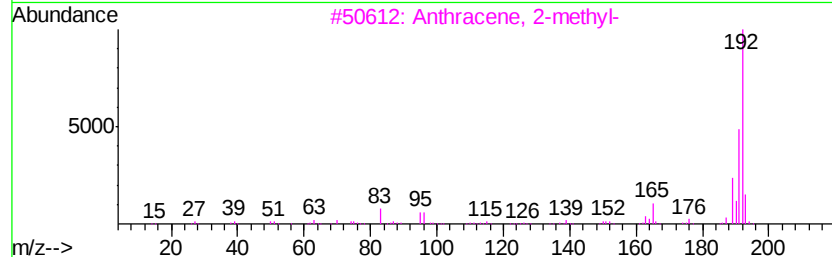
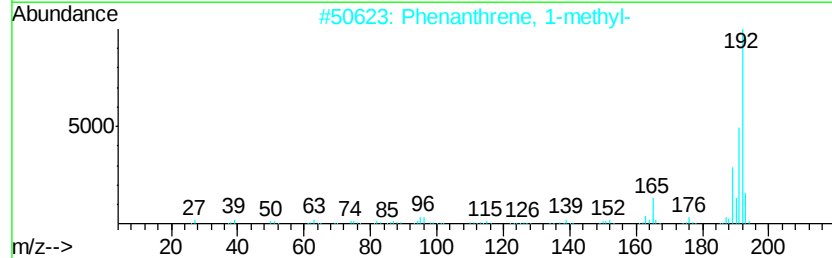
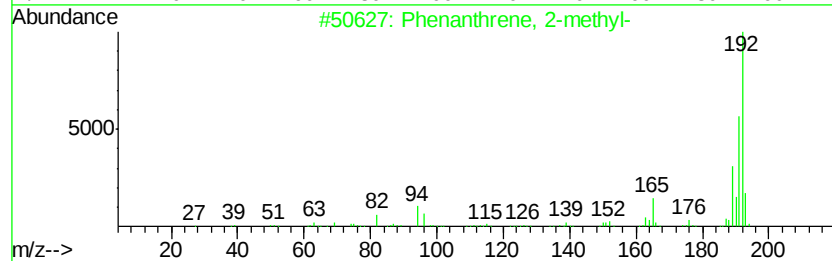
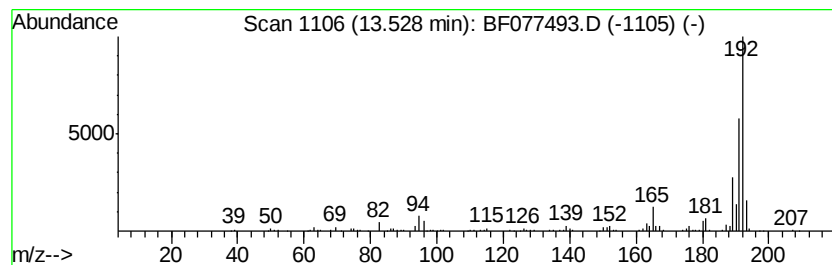
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	6.70 ng	284331	Phenanthrene-d10	12.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95
5		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
Data File : BF077493.D
Acq On : 27 Feb 2015 6:26
Operator : TP/IZ
Sample : G1385-15
Misc : S
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-15-D4

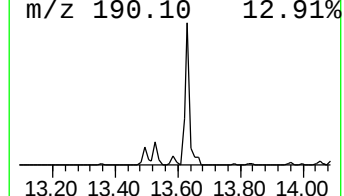
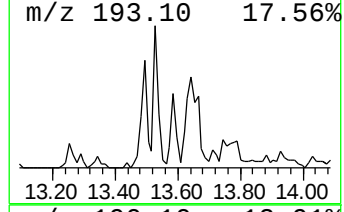
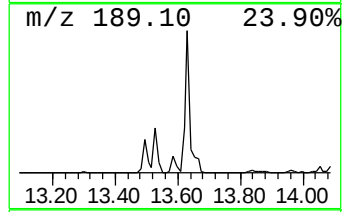
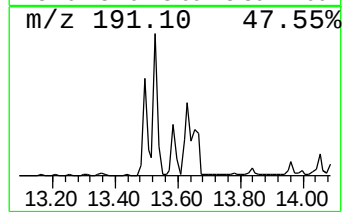
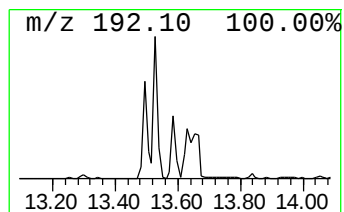
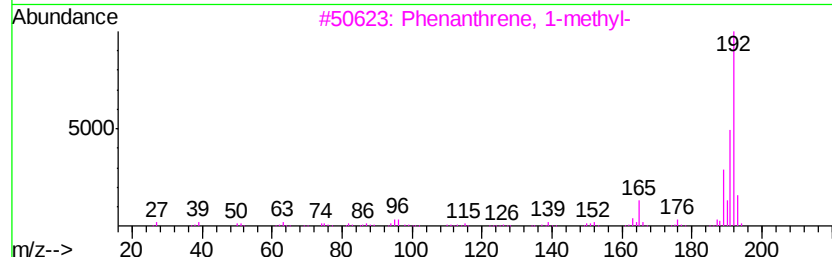
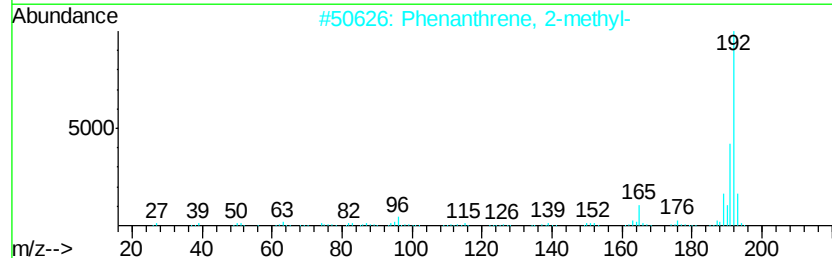
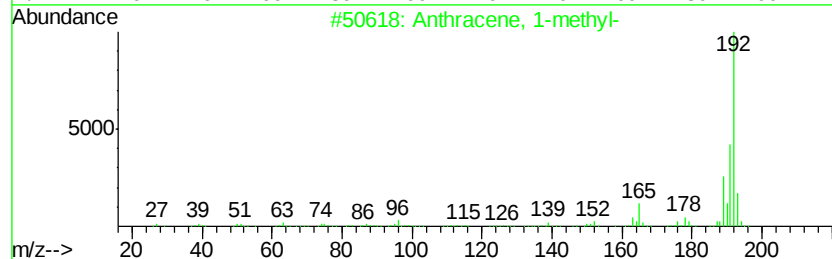
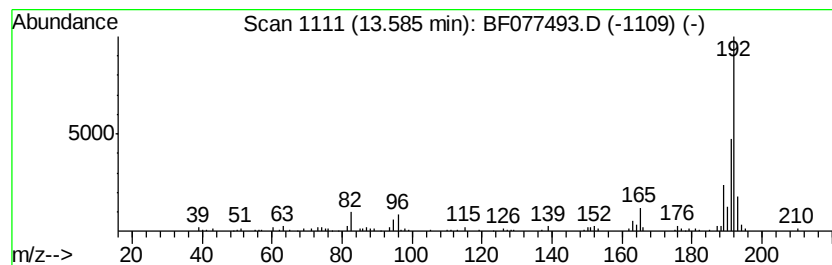
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Anthracene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.59	3.55 ng	150545	Phenanthrene-d10	12.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
Data File : BF077493.D
Acq On : 27 Feb 2015 6:26
Operator : TP/IZ
Sample : G1385-15
Misc : S
ALS Vial : 31 Sample Multiplier: 1

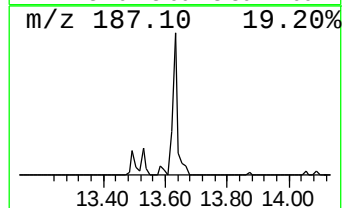
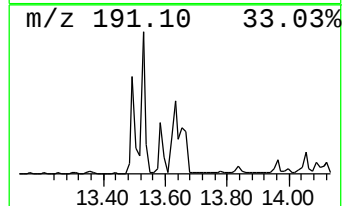
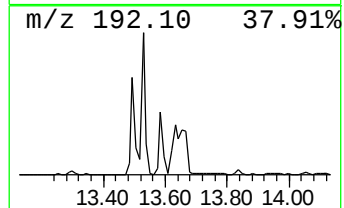
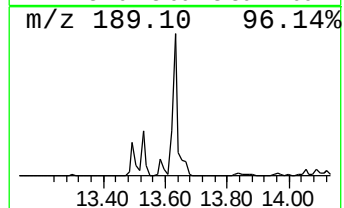
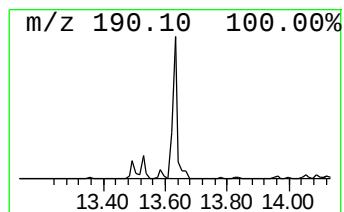
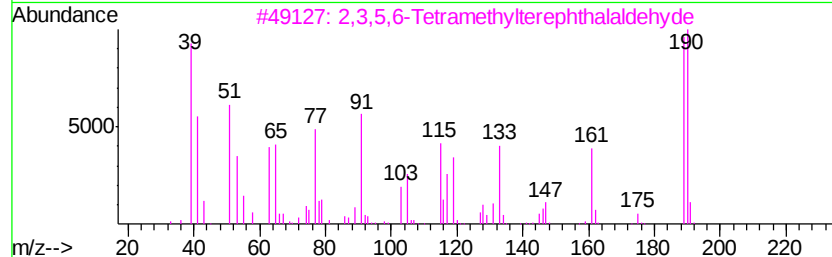
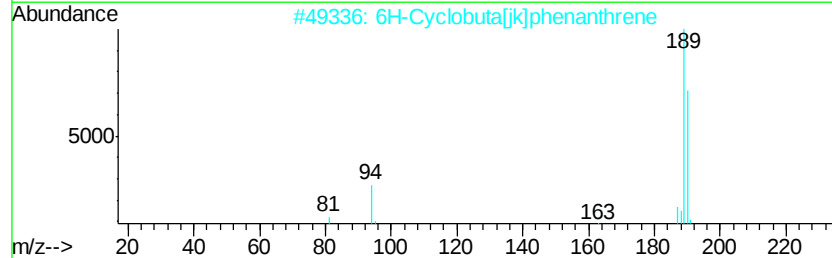
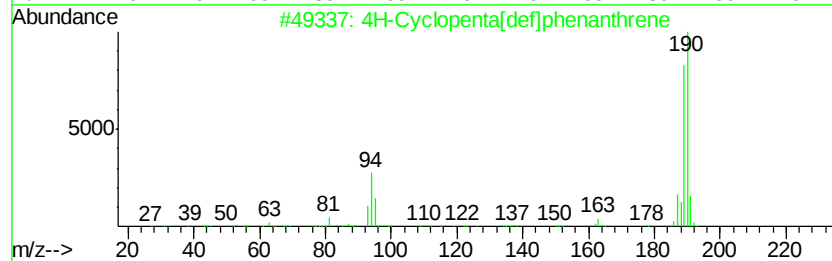
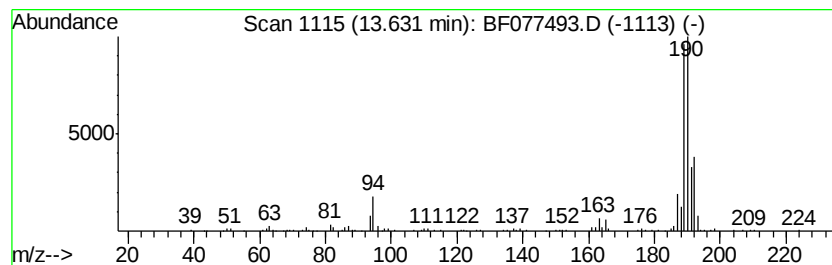
Instrument :
BNA_F
ClientSampleId :
B-15-D4

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 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.63	11.42 ng	484871	Phenanthrene-d10	12.87	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
Data File : BF077493.D
Acq On : 27 Feb 2015 6:26
Operator : TP/IZ
Sample : G1385-15
Misc : S
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-15-D4

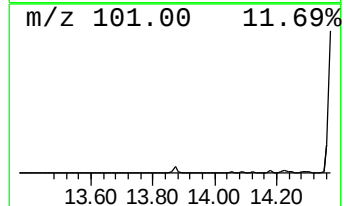
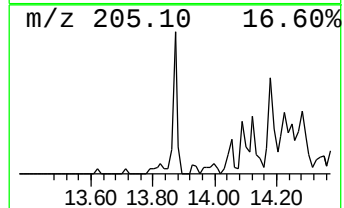
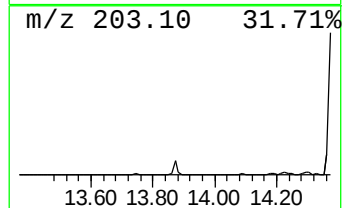
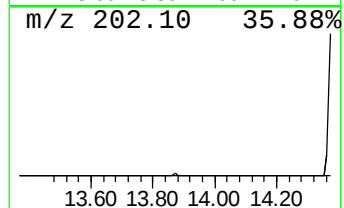
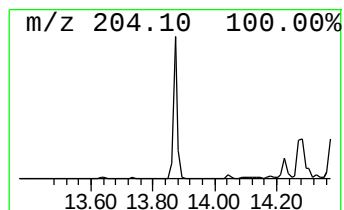
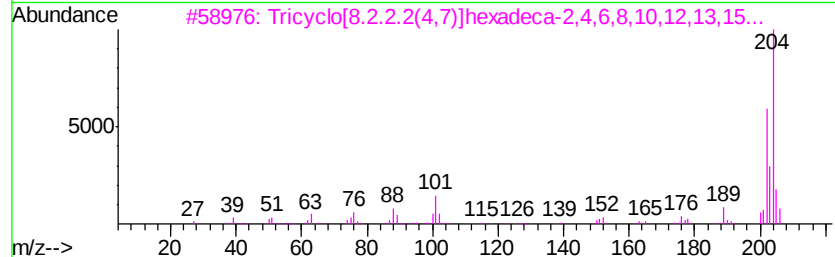
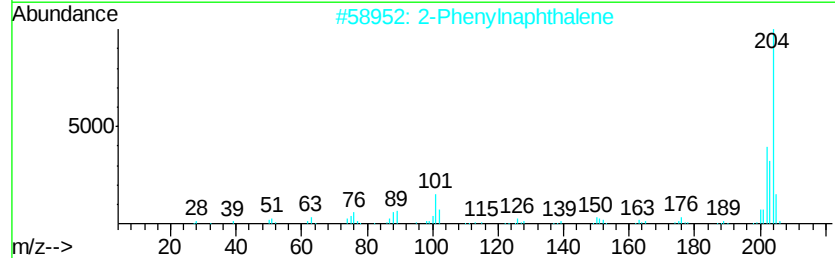
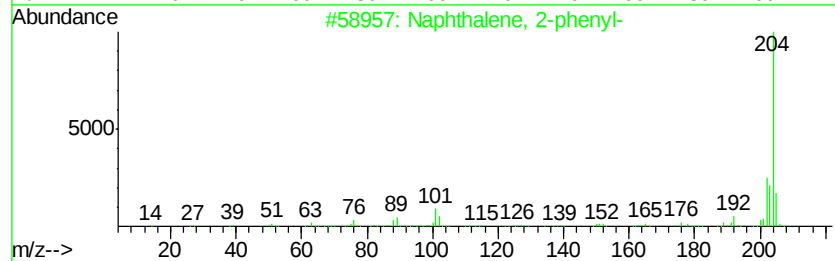
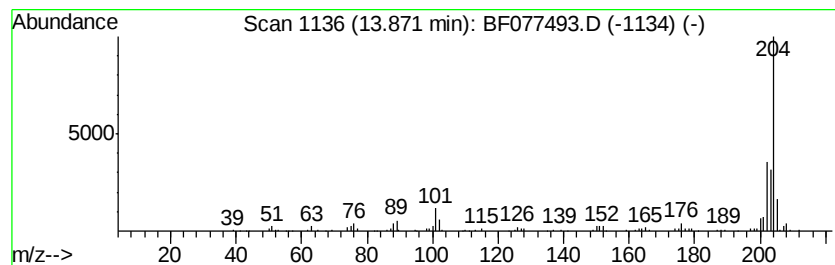
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	6.69 ng	283829	Phenanthrene-d10	12.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2			2-Phenylnaphthalene	204	C16H12	035465-71-5	90
3			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
4			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	62
5			Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
Data File : BF077493.D
Acq On : 27 Feb 2015 6:26
Operator : TP/IZ
Sample : G1385-15
Misc : S
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-15-D4

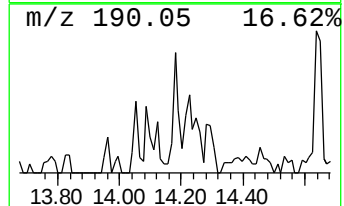
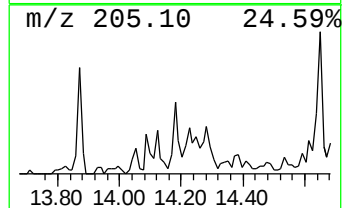
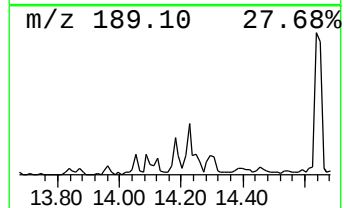
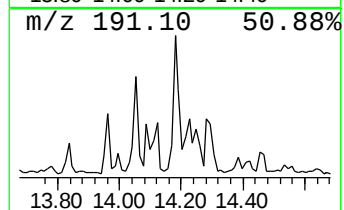
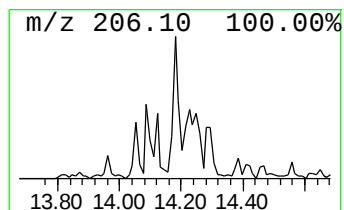
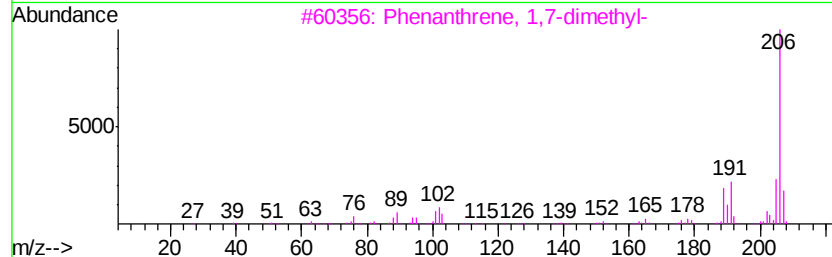
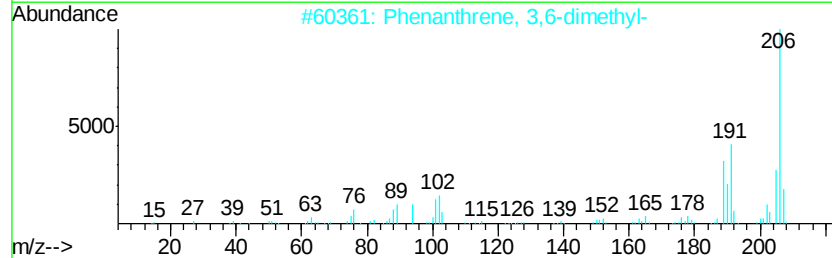
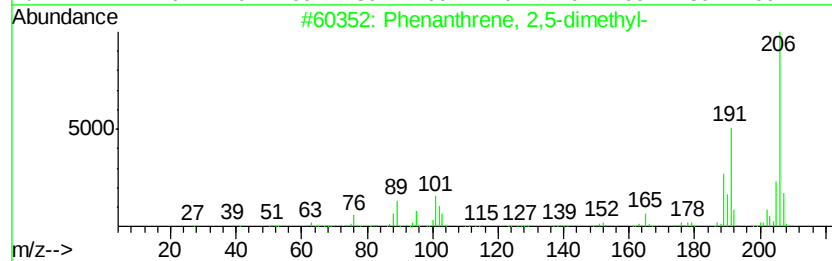
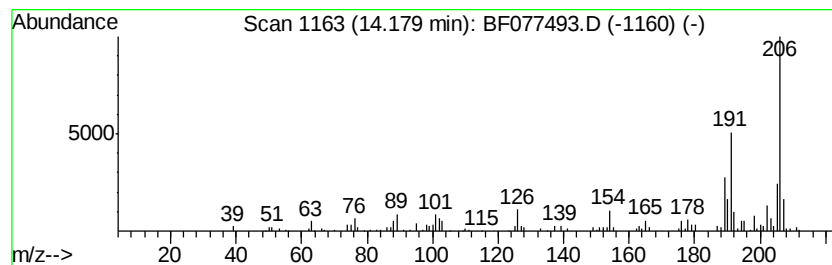
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.18	3.12 ng	132579	Phenanthrene-d10	12.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5		1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
Data File : BF077493.D
Acq On : 27 Feb 2015 6:26
Operator : TP/IZ
Sample : G1385-15
Misc : S
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleID :
B-15-D4

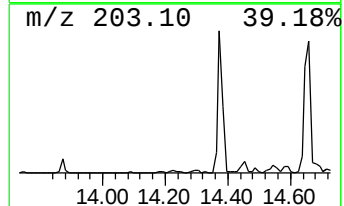
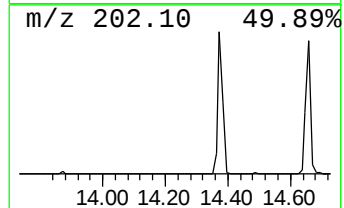
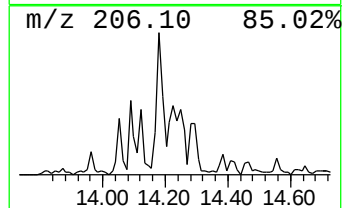
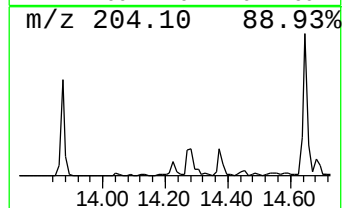
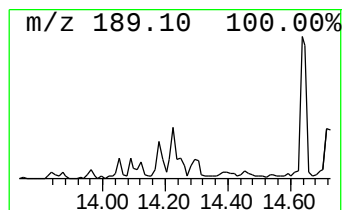
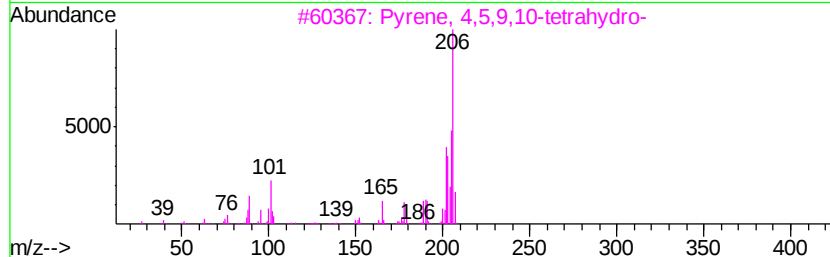
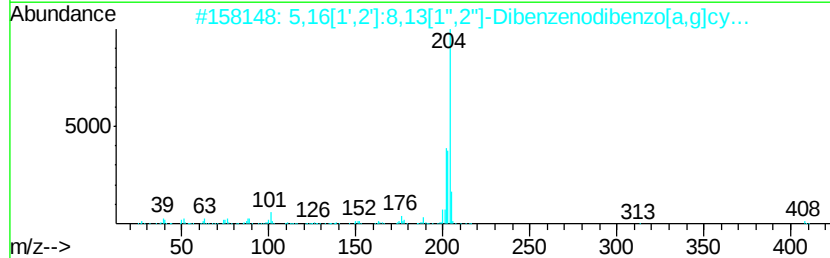
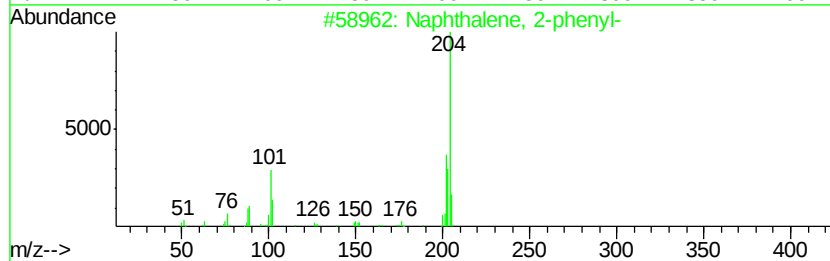
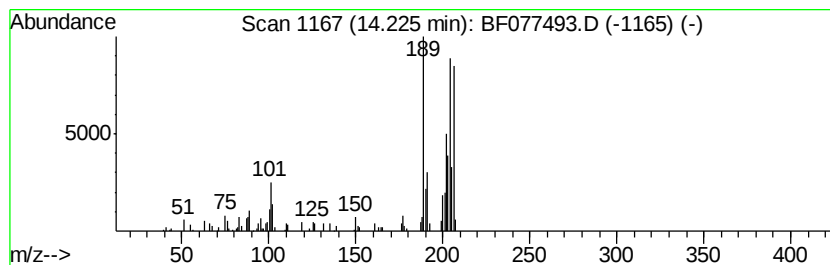
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown14.23 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.23	2.82 ng	119523	Phenanthrene-d10	12.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	35
3		Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	30
4		4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	27
5		2-Phenylnaphthalene	204	C16H12	035465-71-5	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
Data File : BF077493.D
Acq On : 27 Feb 2015 6:26
Operator : TP/IZ
Sample : G1385-15
Misc : S
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-15-D4

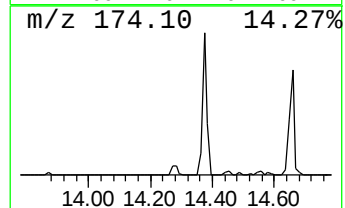
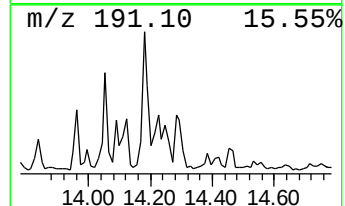
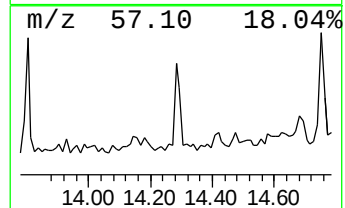
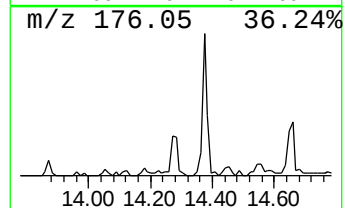
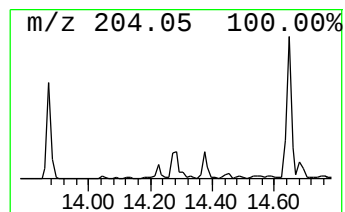
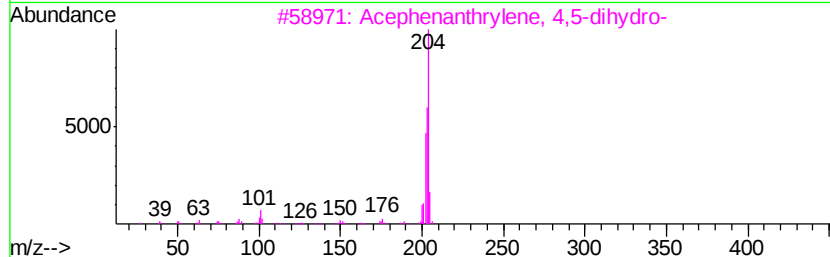
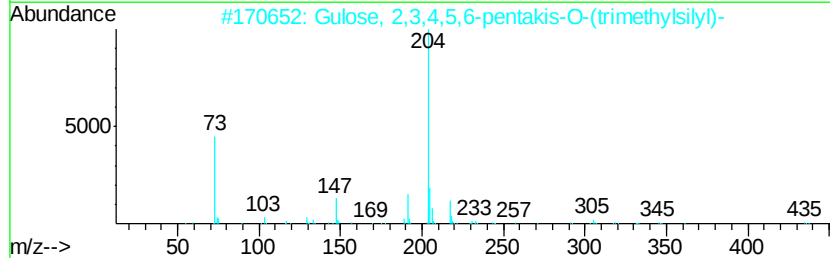
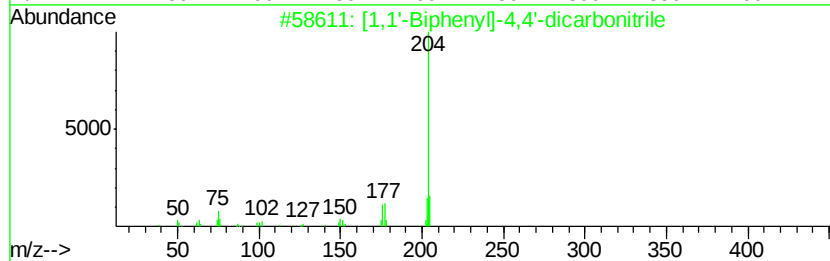
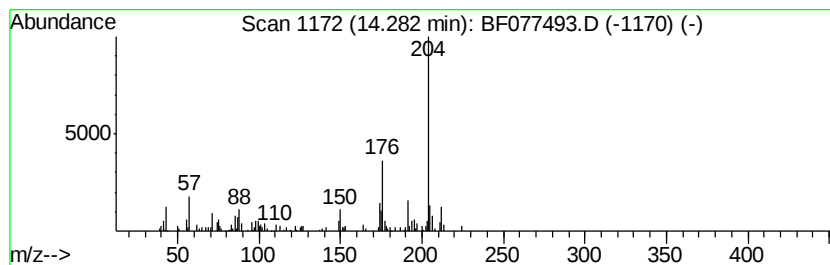
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 [1,1'-Biphenyl]-4,4'-dicarb... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	3.75 ng	159154	Phenanthrene-d10	12.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
2		Gulose, 2,3,4,5,6-pentakis-O-(tr...	540	C21H52O6Si5	056192-86-0	47
3		Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	47
4		Propanedinitrile, 2,2'-(2,5-cycl...	204	C12H4N4	001518-16-7	46
5		Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
Data File : BF077493.D
Acq On : 27 Feb 2015 6:26
Operator : TP/IZ
Sample : G1385-15
Misc : S
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-15-D4

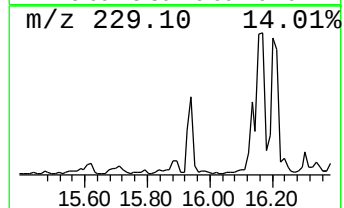
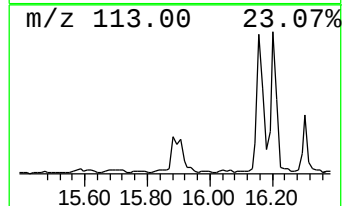
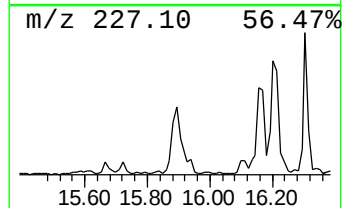
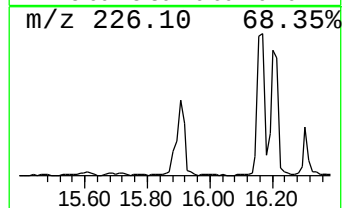
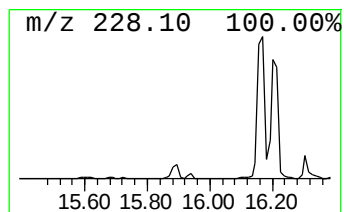
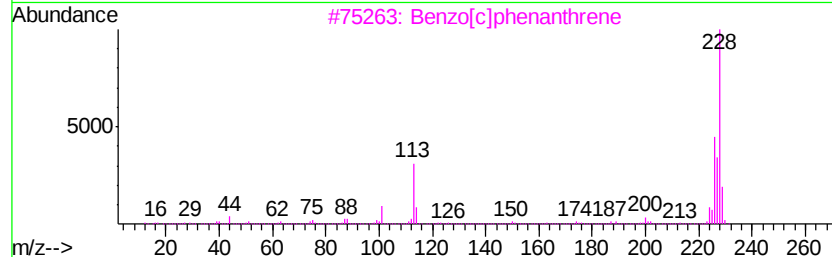
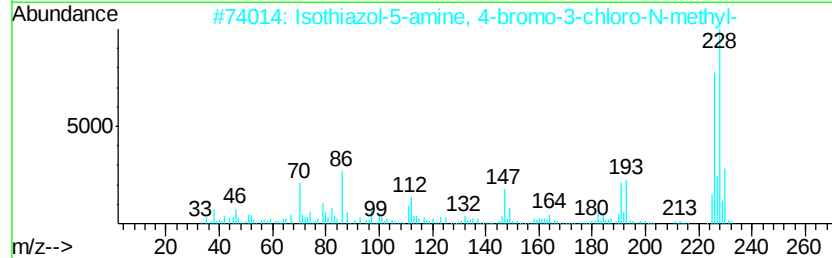
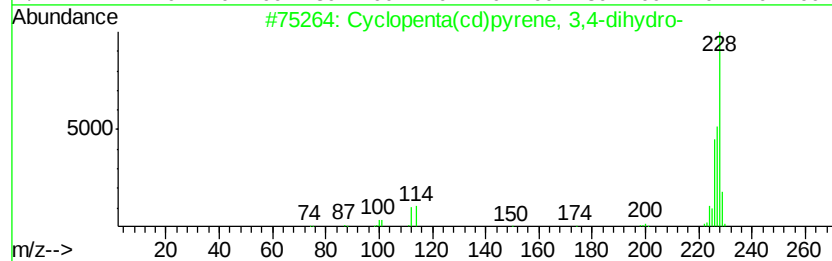
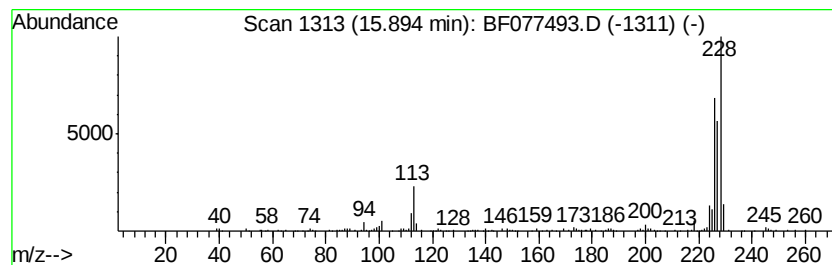
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	3.02 ng	441397	Chrysene-d12	16.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	70
2		Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	58
3		Benzo[c]phenanthrene	228	C18H12	000195-19-7	53
4		3-Bromocinnamic acid	226	C9H7BrO2	032862-97-8	45
5		Triphenylene	228	C18H12	000217-59-4	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
Data File : BF077493.D
Acq On : 27 Feb 2015 6:26
Operator : TP/IZ
Sample : G1385-15
Misc : S
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-15-D4

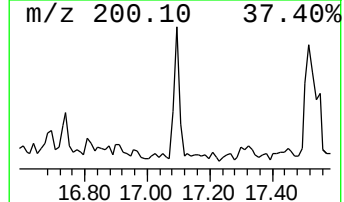
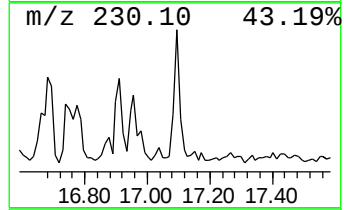
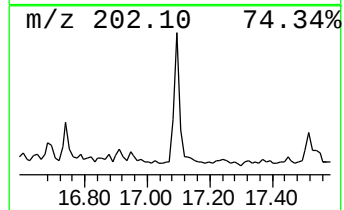
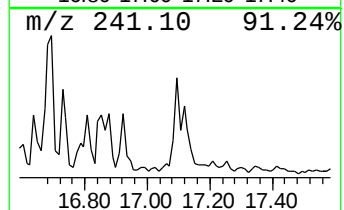
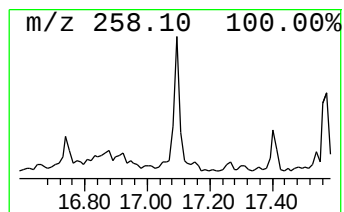
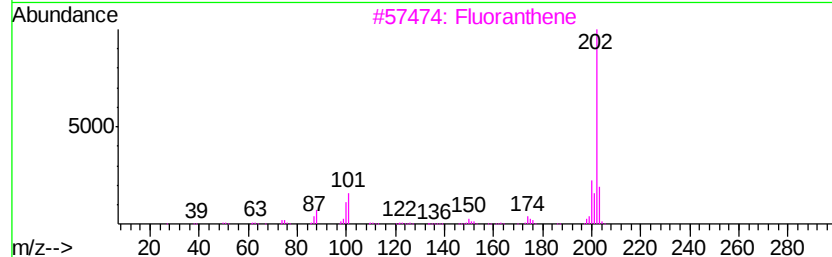
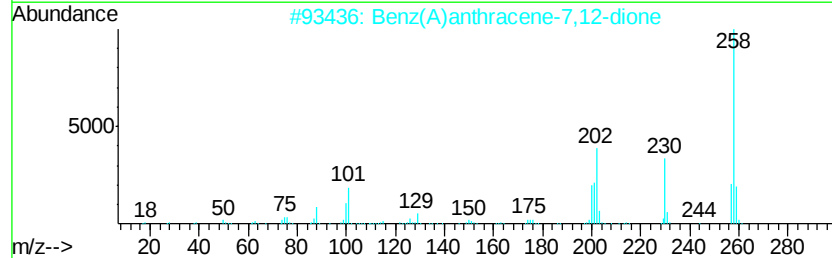
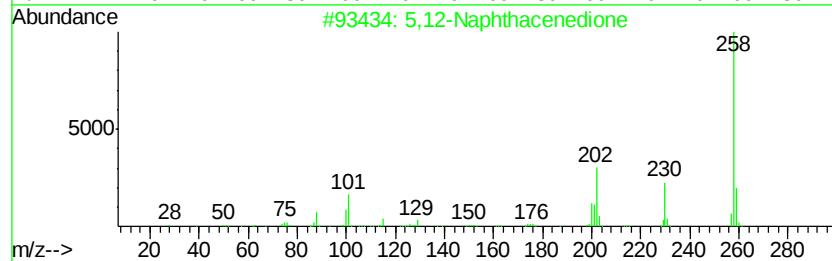
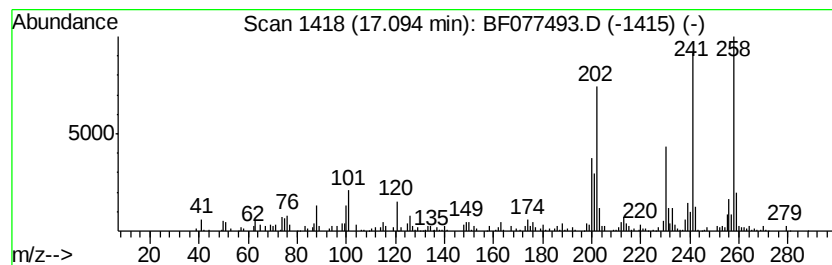
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 5,12-Naphthacenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.09	3.72 ng	191063	Perylene-d12	17.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	93
2		Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	90
3		Fluoranthene	202	C16H10	000206-44-0	55
4		Benzoic acid, 3-(6-methyl-4-oxo-...	230	C13H10O4	295364-59-9	25
5		Pyrene	202	C16H10	000129-00-0	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
Data File : BF077493.D
Acq On : 27 Feb 2015 6:26
Operator : TP/IZ
Sample : G1385-15
Misc : S
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-15-D4

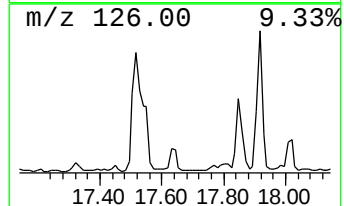
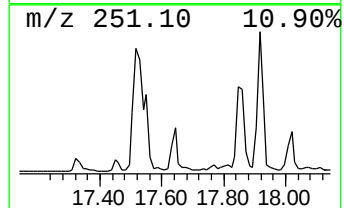
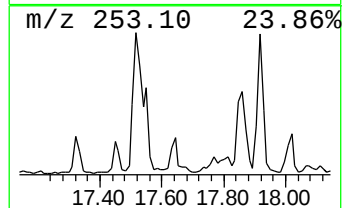
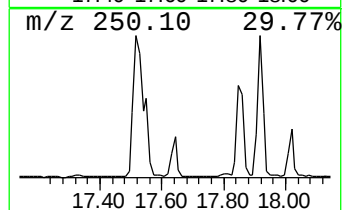
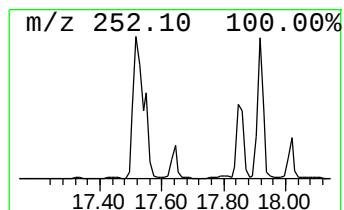
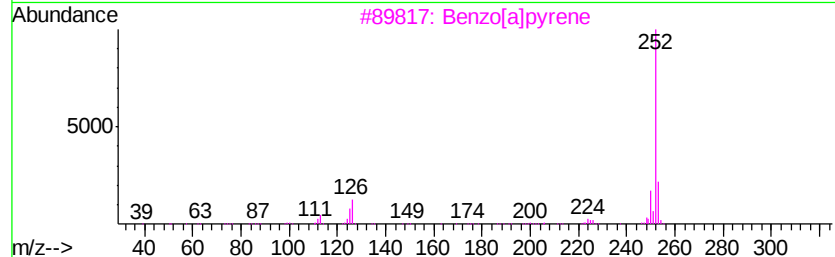
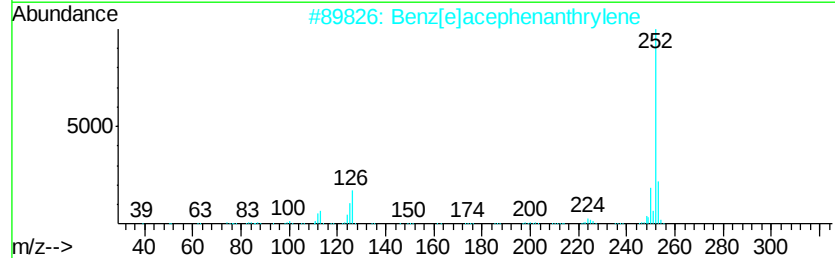
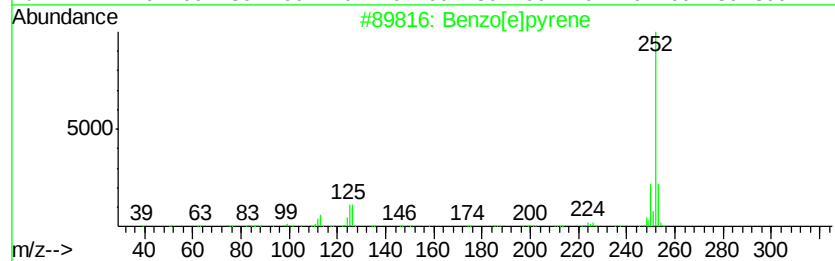
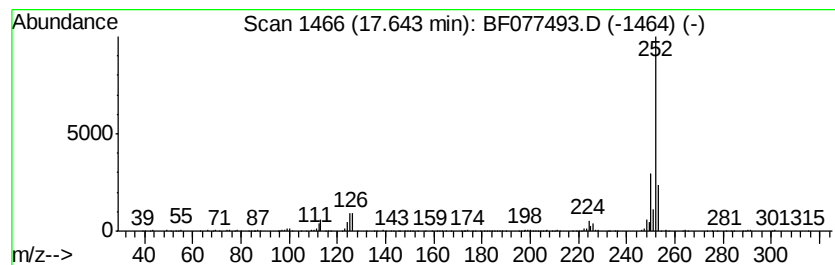
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.64	4.67 ng	239561	Perylene-d12	17.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
3		Benzo[a]pyrene	252	C20H12	000050-32-8	90
4		Perylene	252	C20H12	000198-55-0	81
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
Data File : BF077493.D
Acq On : 27 Feb 2015 6:26
Operator : TP/IZ
Sample : G1385-15
Misc : S
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-15-D4

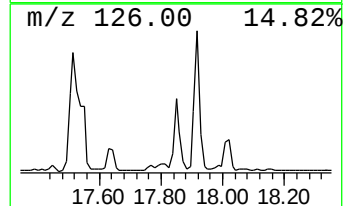
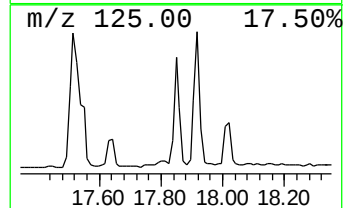
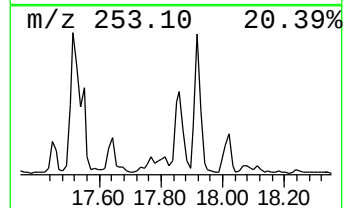
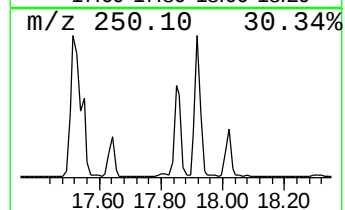
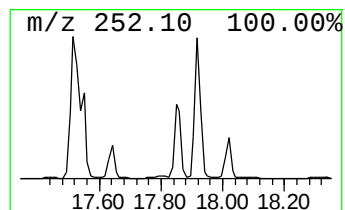
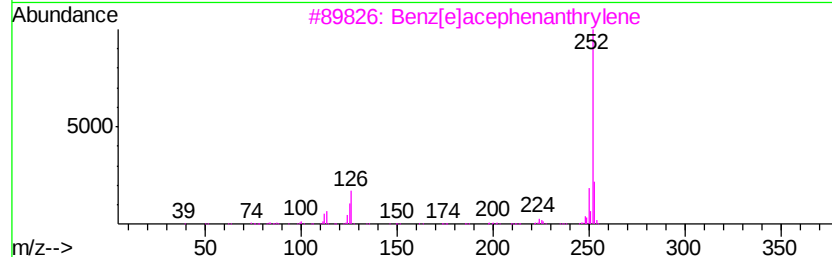
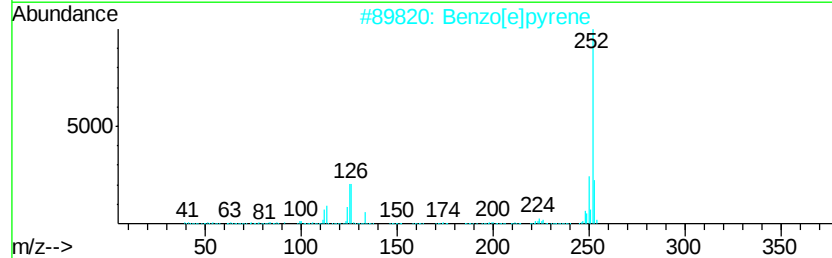
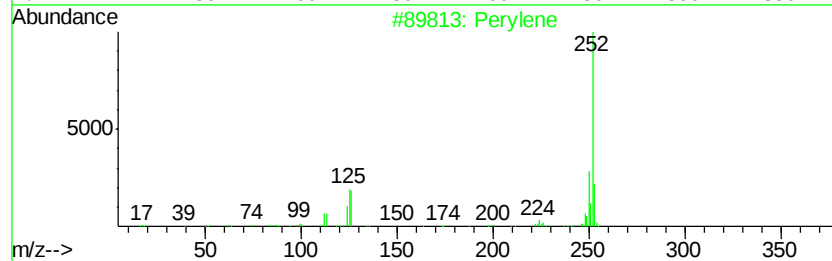
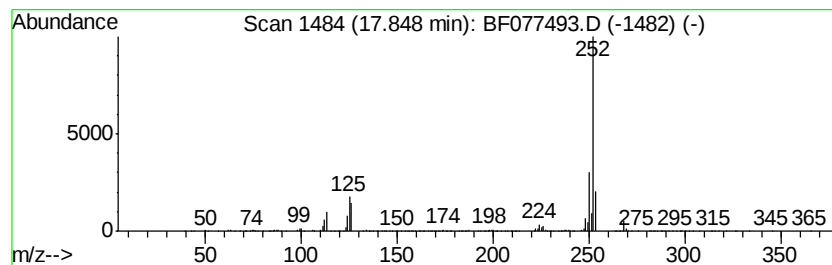
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.85	13.49 ng	692627	Perylene-d12	17.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	98
2		Benzo[e]pyrene	252	C20H12	000192-97-2	98
3		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
4		Benzo[j]fluoranthene	252	C20H12	000205-82-3	96
5		Benzo[a]pyrene	252	C20H12	000050-32-8	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
Data File : BF077493.D
Acq On : 27 Feb 2015 6:26
Operator : TP/IZ
Sample : G1385-15
Misc : S
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-15-D4

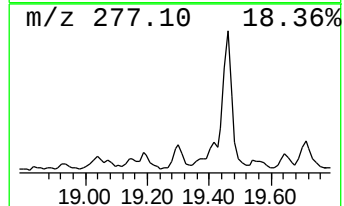
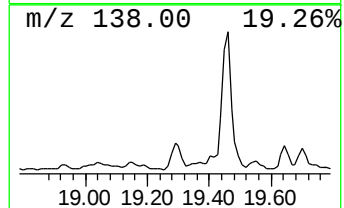
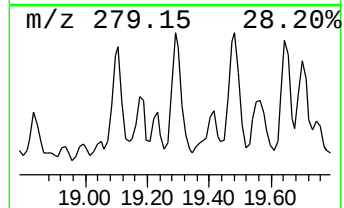
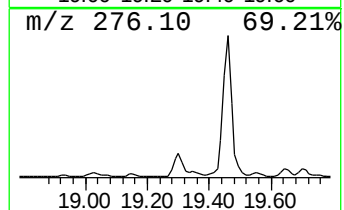
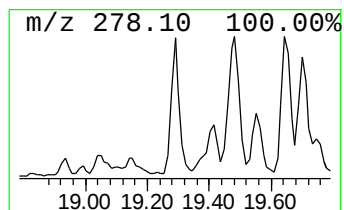
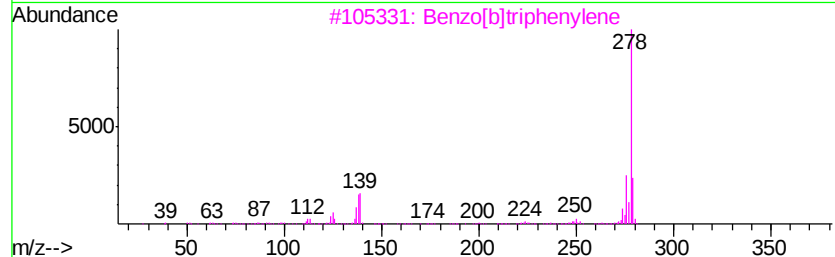
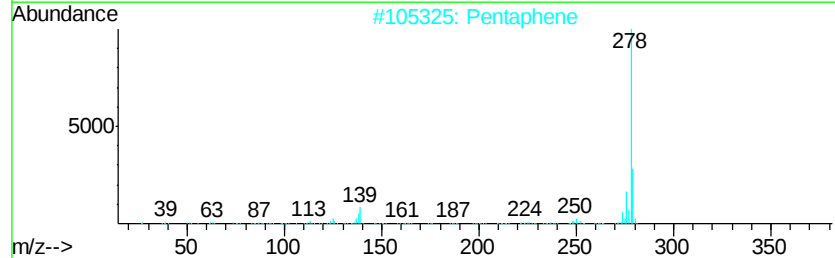
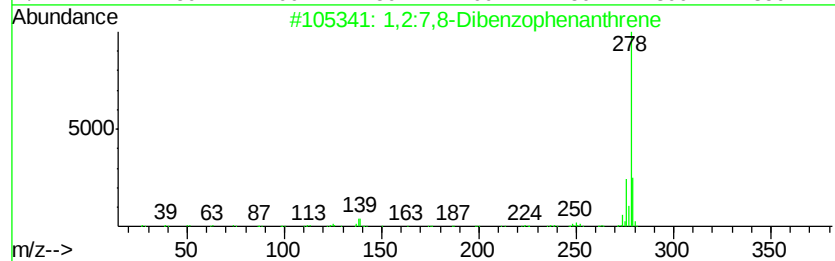
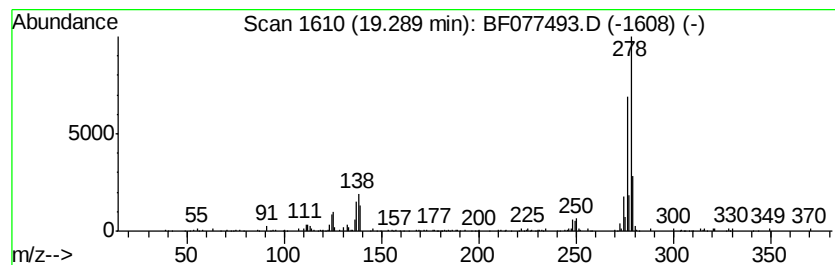
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 1,2:7,8-Dibenzophenanthrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.29	3.14 ng	161119	Perylene-d12	17.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	70
2			Pentaphene	278	C22H14	000222-93-5	70
3			Benzo[b]triphenylene	278	C22H14	000215-58-7	64
4			Benzo[b]chrysene	278	C22H14	000214-17-5	64
5			10-Bromo-1,2,3,4-tetrahydro-phen...	276	C14H13BrO	1000190-54-9	62



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
 Data File : BF077493.D
 Acq On : 27 Feb 2015 6:26
 Operator : TP/IZ
 Sample : G1385-15
 Misc : S
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-15-D4

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
unknown1.42	1.42	143.1	ng	3208130	1	7.27	448386	20.0
2-Pentanone, 4-hy...	5.05	10.3	ng	230824	1	7.27	448386	20.0
unknown6.98	6.98	54.1	ng	1212550	1	7.27	448386	20.0
Naphtho[2,3-b]thi...	12.74	2.8	ng	118583	4	12.87	848843	20.0
Phenanthrene, 2-m...	13.53	6.7	ng	284331	4	12.87	848843	20.0
Anthracene, 1-met...	13.59	3.5	ng	150545	4	12.87	848843	20.0
4H-Cyclopenta[def...	13.63	11.4	ng	484871	4	12.87	848843	20.0
Naphthalene, 2-ph...	13.87	6.7	ng	283829	4	12.87	848843	20.0
Phenanthrene, 2,5...	14.18	3.1	ng	132579	4	12.87	848843	20.0
unknown14.23	14.23	2.8	ng	119523	4	12.87	848843	20.0
[1,1'-Biphenyl]-4...	14.28	3.8	ng	159154	4	12.87	848843	20.0
Cyclopenta(cd)pyr...	15.89	3.0	ng	441397	5	16.18	2926620	20.0
5,12-Naphthacened...	17.09	3.7	ng	191063	6	17.99	1026670	20.0
Benzo[e]pyrene	17.64	4.7	ng	239561	6	17.99	1026670	20.0
Perylene	17.85	13.5	ng	692627	6	17.99	1026670	20.0
1,2:7,8-Dibenzoph...	19.29	3.1	ng	161119	6	17.99	1026670	20.0