

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
 Data File : BF079619.D
 Acq On : 30 May 2015 23:04
 Operator : TP/IZ
 Sample : G2416-08 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAMPTP-440SB2.1(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: TOP

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.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	1.656	39	41	88	rVB	2610529	6747328	100.00%	8.359%
2	5.210	350	352	364	rBV	171584	252441	3.74%	0.313%
3	6.536	465	468	476	rBV	194872	266622	3.95%	0.330%
4	6.650	476	478	481	rBV	274556	279942	4.15%	0.347%
5	6.936	501	503	506	rBV	375758	375651	5.57%	0.465%
6	7.119	517	519	526	rVB	235358	242073	3.59%	0.300%
7	8.513	638	641	642	rBV	585388	563590	8.35%	0.698%
8	8.536	642	643	646	rVB	626901	543128	8.05%	0.673%
9	9.393	716	718	721	rBV	437658	457296	6.78%	0.566%
10	9.519	726	729	731	rVB	283668	316279	4.69%	0.392%
11	9.862	757	759	761	rVB	313806	357047	5.29%	0.442%
12	10.171	784	786	789	rBV	143603	232448	3.45%	0.288%
13	10.262	791	794	796	rBV	267093	314437	4.66%	0.390%
14	10.399	805	806	810	rVV	99118	181857	2.70%	0.225%
15	10.674	828	830	832	rBV	712540	661731	9.81%	0.820%
16	10.719	832	834	835	rVV	782592	1010302	14.97%	1.252%
17	10.936	850	853	855	rVV	611782	867271	12.85%	1.074%
18	11.359	887	890	892	rVB	1184656	1505598	22.31%	1.865%
19	11.439	892	897	898	rVV	110919	288565	4.28%	0.357%
20	11.554	905	907	911	rVB	326928	352853	5.23%	0.437%
21	11.656	913	916	919	rVV	531117	718497	10.65%	0.890%
22	12.034	947	949	951	rVV	251401	404916	6.00%	0.502%
23	12.205	962	964	969	rVV3	128120	347850	5.16%	0.431%
24	12.274	969	970	973	rVB	183802	245861	3.64%	0.305%
25	12.342	973	976	978	rBV	278717	345132	5.12%	0.428%
26	12.377	978	979	981	rVB	371192	367971	5.45%	0.456%
27	12.514	988	991	992	rBV	526207	788717	11.69%	0.977%
28	12.548	992	994	996	rVV	5287076	5935339	87.97%	7.353%
29	12.605	996	999	1001	rVB	2326222	2362438	35.01%	2.927%
30	12.651	1001	1003	1006	rVB2	139134	215208	3.19%	0.267%
31	12.777	1012	1014	1016	rBV	184066	224727	3.33%	0.278%
32	12.822	1016	1018	1019	rBV	831568	1006146	14.91%	1.246%
33	12.902	1023	1025	1026	rBV2	116360	185189	2.74%	0.229%
34	13.142	1043	1046	1047	rVV	750693	893076	13.24%	1.106%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
 Data File : BF079619.D
 Acq On : 30 May 2015 23:04
 Operator : TP/IZ
 Sample : G2416-08 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAMPTP-440SB2.1(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: TOP

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.177	1047	1049	1052	rVV	942699	1173870	17.40%	1.454%
36	13.234	1052	1054	1055	rVV	509923	507024	7.51%	0.628%
37	13.268	1055	1057	1059	rVV	1373981	1680348	24.90%	2.082%
38	13.302	1059	1060	1064	rVB	538120	443407	6.57%	0.549%
39	13.382	1064	1067	1068	rBV	122051	195121	2.89%	0.242%
40	13.405	1068	1069	1073	rVV2	98076	200420	2.97%	0.248%
41	13.520	1077	1079	1080	rVV	386444	552389	8.19%	0.684%
42	13.542	1080	1081	1083	rVV	337145	310129	4.60%	0.384%
43	13.817	1103	1105	1107	rBV	259299	398131	5.90%	0.493%
44	13.862	1107	1109	1111	rVV	225226	353349	5.24%	0.438%
45	13.931	1113	1115	1119	rVB4	192240	378756	5.61%	0.469%
46	14.022	1119	1123	1124	rBV	4147578	5604559	83.06%	6.943%
47	14.091	1127	1129	1131	rBV	181885	226364	3.35%	0.280%
48	14.194	1135	1138	1140	rBV2	271011	351510	5.21%	0.435%
49	14.297	1143	1147	1149	rBV2	3705579	5467058	81.03%	6.773%
50	14.354	1151	1152	1159	rVB2	241850	395982	5.87%	0.491%
51	14.445	1159	1160	1162	rBV	312902	404707	6.00%	0.501%
52	14.503	1162	1165	1168	rVB2	480122	754187	11.18%	0.934%
53	14.571	1168	1171	1173	rBV2	266832	555578	8.23%	0.688%
54	14.708	1181	1183	1185	rVB	1008238	1146151	16.99%	1.420%
55	14.788	1188	1190	1192	rBV	773667	819536	12.15%	1.015%
56	14.834	1192	1194	1199	rBV2	611310	912558	13.52%	1.130%
57	14.937	1202	1203	1205	rBV	194309	249604	3.70%	0.309%
58	14.983	1205	1207	1210	rBV	214434	283934	4.21%	0.352%
59	15.085	1214	1216	1222	rVB5	75935	232210	3.44%	0.288%
60	15.211	1222	1227	1228	rBV4	166987	357587	5.30%	0.443%
61	15.245	1228	1230	1232	rVB2	151028	224972	3.33%	0.279%
62	15.337	1234	1238	1241	rBV2	243197	521082	7.72%	0.646%
63	15.474	1247	1250	1251	rBV	366214	470161	6.97%	0.582%
64	15.508	1251	1253	1256	rVV2	444357	789509	11.70%	0.978%
65	15.554	1256	1257	1260	rVV2	214920	319860	4.74%	0.396%
66	15.600	1260	1261	1264	rVB	343755	405517	6.01%	0.502%
67	15.680	1264	1268	1272	rBV	138133	288134	4.27%	0.357%
68	15.783	1272	1277	1278	rBV	2075088	3822667	56.65%	4.735%
69	15.817	1278	1280	1282	rVV2	1976258	2660204	39.43%	3.295%
70	15.908	1285	1288	1290	rBV	403342	469120	6.95%	0.581%
71	16.000	1290	1296	1298	rBV6	88589	289061	4.28%	0.358%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
 Data File : BF079619.D
 Acq On : 30 May 2015 23:04
 Operator : TP/IZ
 Sample : G2416-08 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAMPTP-440SB2.1(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: TOP

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	16.046	1298	1300	1302	rVV2	288992	384124	5.69%	0.476%
73	16.080	1302	1303	1308	rVB	301172	408801	6.06%	0.506%
74	16.228	1314	1316	1317	rBV2	150887	186244	2.76%	0.231%
75	16.274	1317	1320	1322	rVV	501660	653623	9.69%	0.810%
76	16.308	1322	1323	1326	rVV	193933	231943	3.44%	0.287%
77	16.388	1326	1330	1331	rVV2	257232	377999	5.60%	0.468%
78	16.423	1331	1333	1334	rVV2	167588	292484	4.33%	0.362%
79	16.446	1334	1335	1336	rVV	201431	167116	2.48%	0.207%
80	16.480	1336	1338	1340	rVB2	130072	168256	2.49%	0.208%
81	16.526	1340	1342	1345	rVB	166472	220441	3.27%	0.273%
82	16.663	1350	1354	1356	rBV2	223946	378954	5.62%	0.469%
83	16.857	1368	1371	1373	rBV3	133926	237111	3.51%	0.294%
84	17.028	1383	1386	1391	rBV	1652713	3529210	52.31%	4.372%
85	17.131	1394	1395	1397	rVB	339094	345580	5.12%	0.428%
86	17.246	1402	1405	1407	rBV2	118111	280461	4.16%	0.347%
87	17.326	1409	1412	1415	rVV	921455	1272435	18.86%	1.576%
88	17.383	1415	1417	1420	rVB	1464408	1696097	25.14%	2.101%
89	17.440	1420	1422	1423	rBV	546823	661192	9.80%	0.819%
90	17.463	1423	1424	1428	rVB2	411748	528806	7.84%	0.655%
91	17.600	1434	1436	1438	rBV3	89000	191330	2.84%	0.237%
92	17.726	1443	1447	1448	rBV2	99513	244118	3.62%	0.302%
93	17.920	1462	1464	1468	rVB2	104671	182326	2.70%	0.226%
94	18.560	1516	1520	1523	rBV3	128905	359867	5.33%	0.446%
95	18.709	1530	1533	1537	rVB2	634647	1185073	17.56%	1.468%
96	18.857	1543	1546	1548	rBV	190420	340858	5.05%	0.422%
97	19.074	1562	1565	1573	rVB	503665	1011114	14.99%	1.253%
98	19.280	1580	1583	1591	rVB2	160000	435924	6.46%	0.540%
99	20.972	1727	1731	1738	rVB2	155332	477130	7.07%	0.591%
100	21.132	1742	1745	1748	rVV	85016	202762	3.01%	0.251%

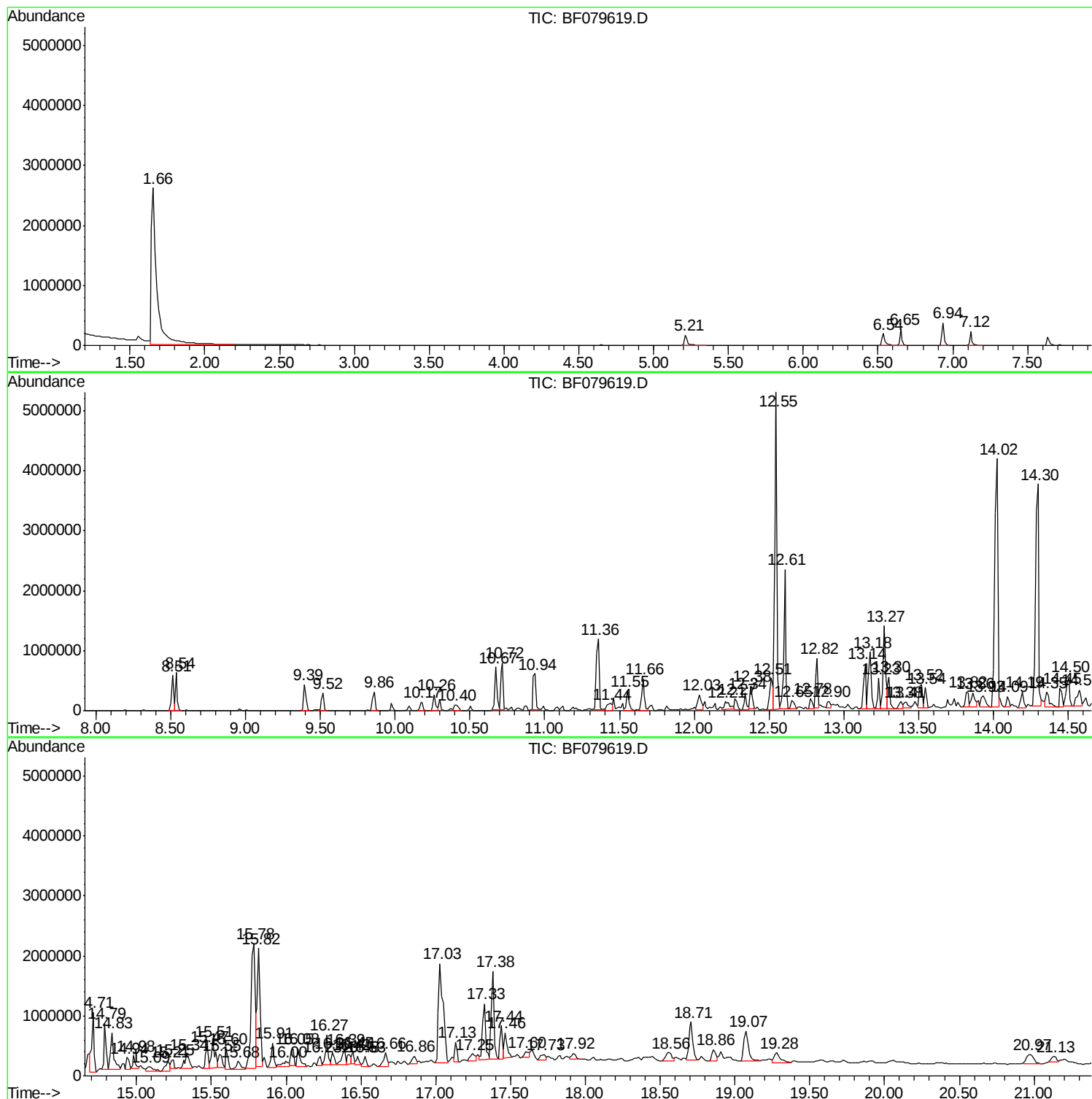
Sum of corrected areas: 80723661

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079619.D
Acq On : 30 May 2015 23:04
Operator : TP/IZ
Sample : G2416-08 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RAMPTP-440SB2.1(4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.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\BF053015\
Data File : BF079619.D
Acq On : 30 May 2015 23:04
Operator : TP/IZ
Sample : G2416-08 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RAMPTP-440SB2.1(4)

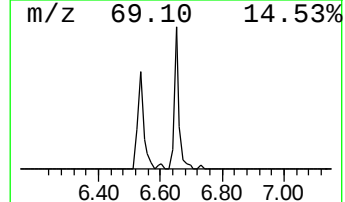
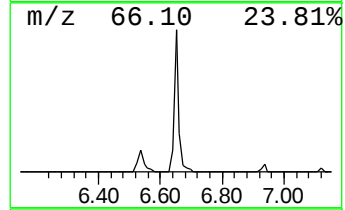
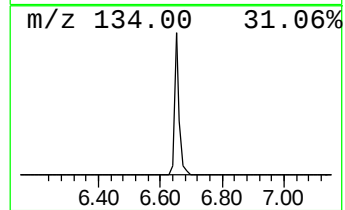
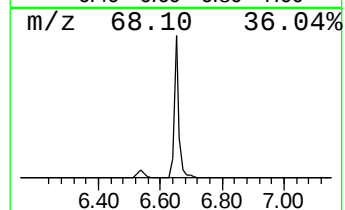
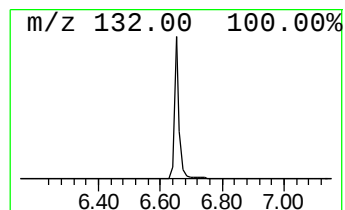
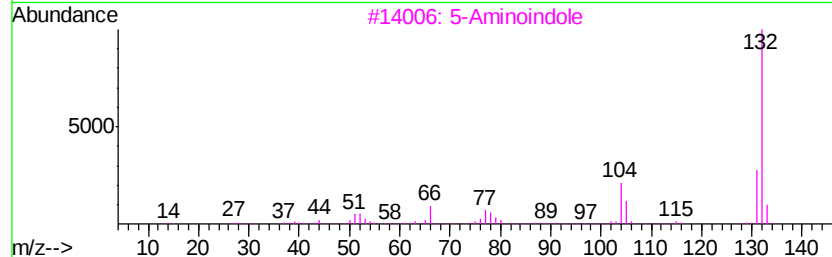
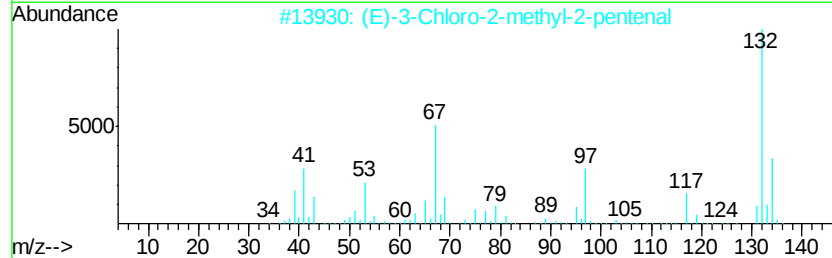
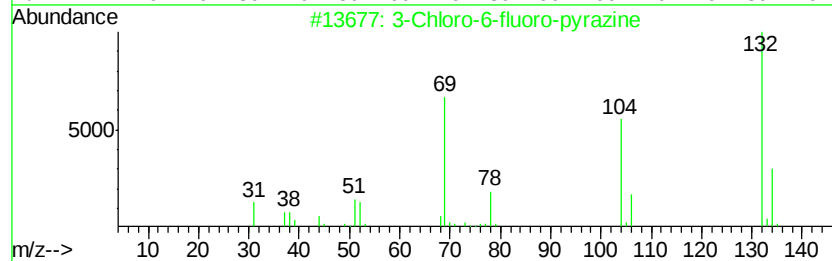
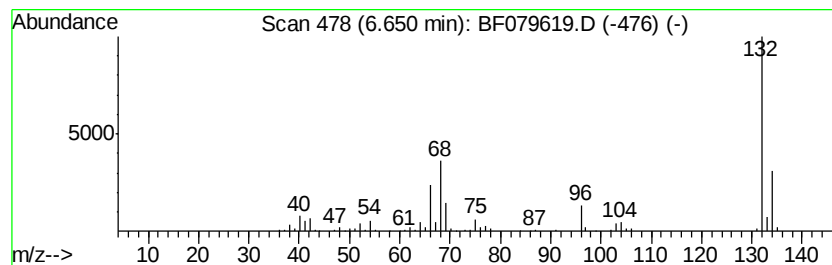
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.65 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	14.90 ng	279942	1,4-Dichlorobenzene-d4	6.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		5-Aminoindole	132	C8H8N2	005192-03-0	10
4		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079619.D
Acq On : 30 May 2015 23:04
Operator : TP/IZ
Sample : G2416-08 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RAMPTP-440SB2.1(4)

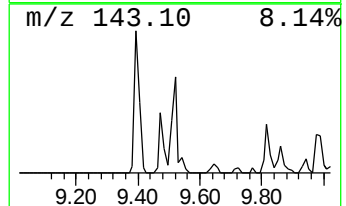
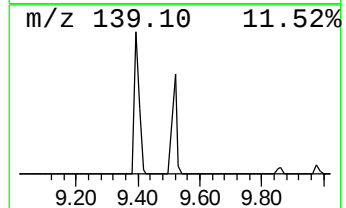
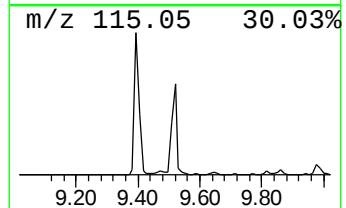
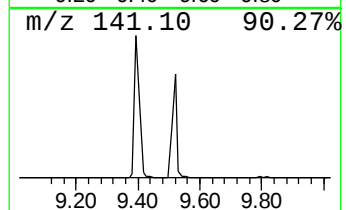
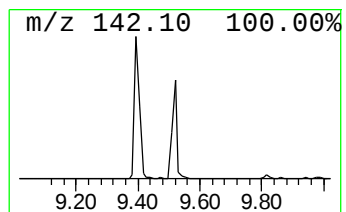
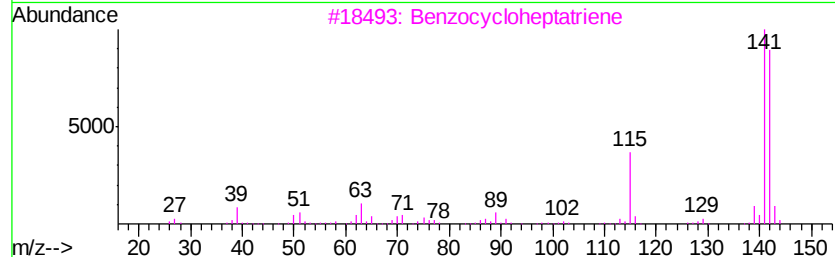
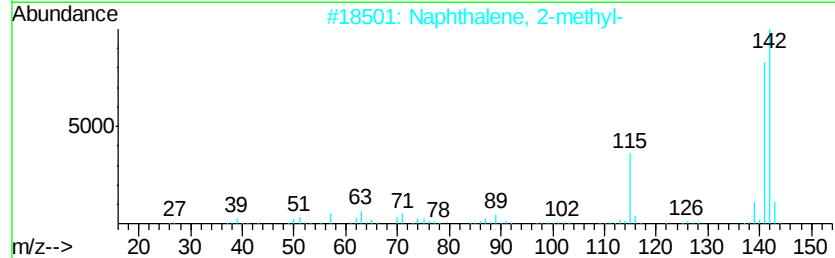
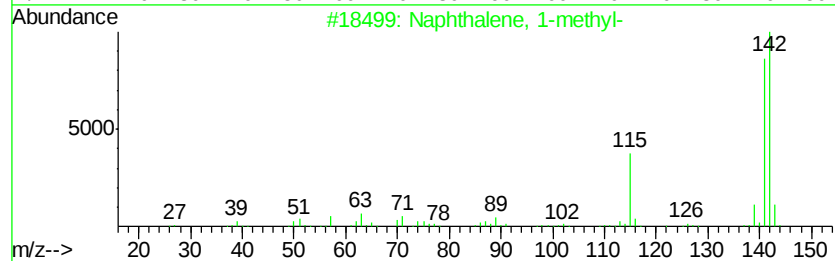
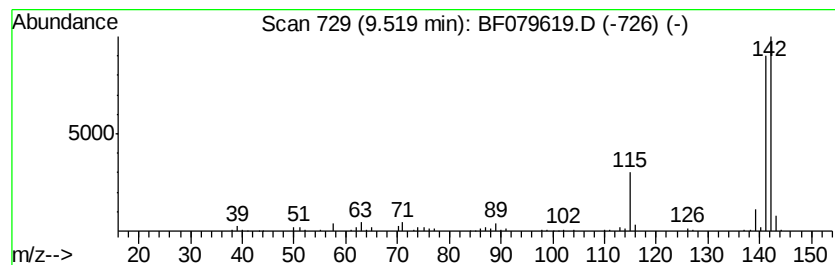
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	11.22 ng	316279	Naphthalene-d8	8.51

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	94
3		Benzocycloheptatriene	142	C11H10	000264-09-5	91
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079619.D
Acq On : 30 May 2015 23:04
Operator : TP/IZ
Sample : G2416-08 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RAMPTP-440SB2.1(4)

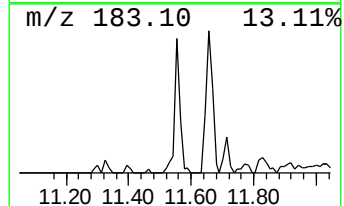
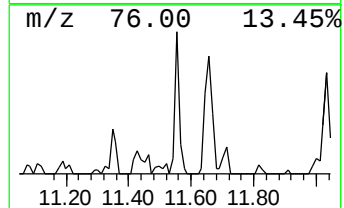
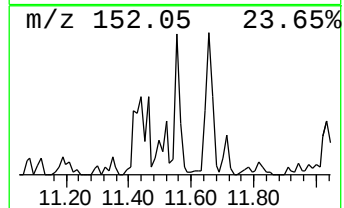
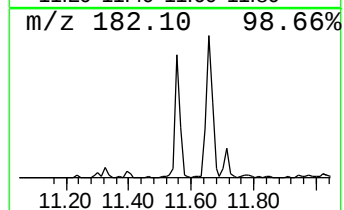
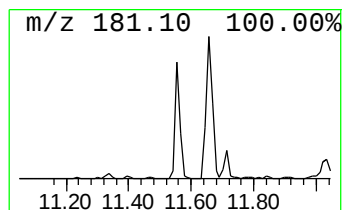
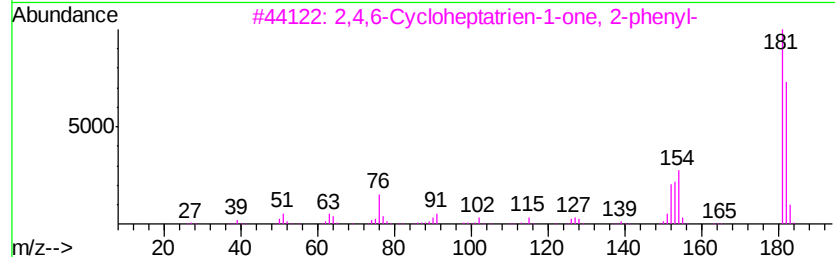
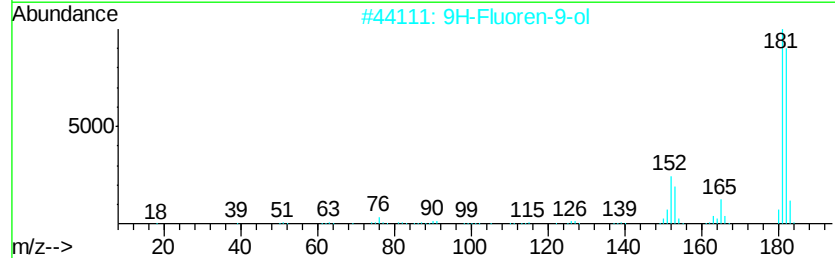
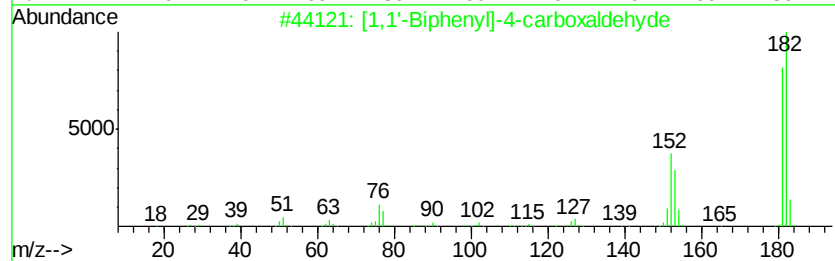
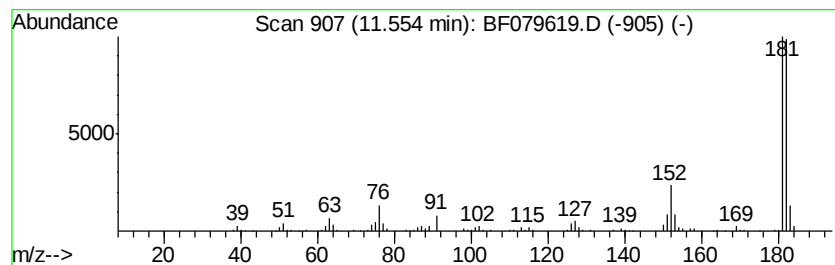
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	10.66 ng	352853	Acenaphthene-d10	10.67

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
3		2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
4		Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76
5		9H-Xanthene	182	C13H10O	000092-83-1	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079619.D
Acq On : 30 May 2015 23:04
Operator : TP/IZ
Sample : G2416-08 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

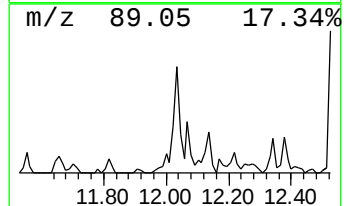
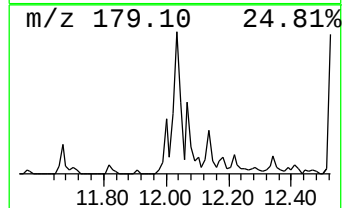
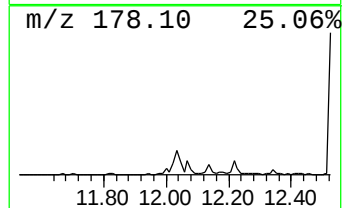
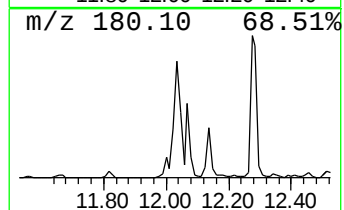
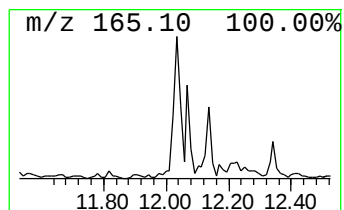
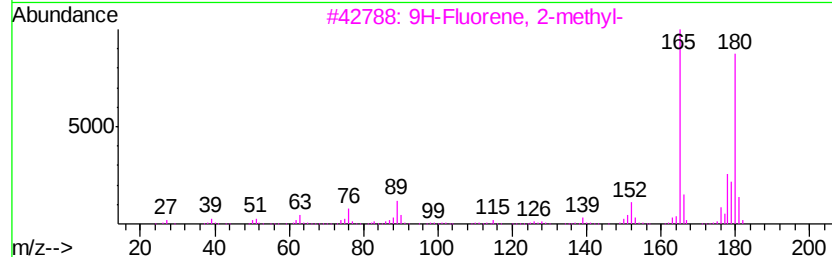
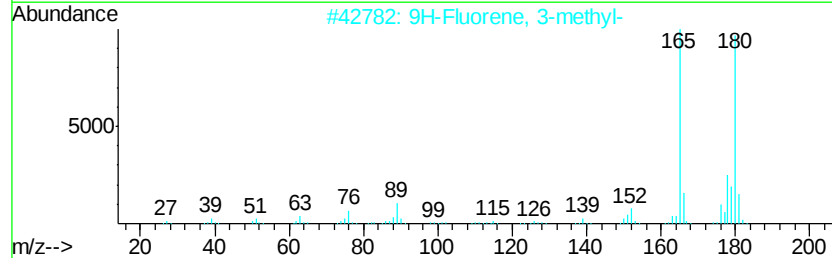
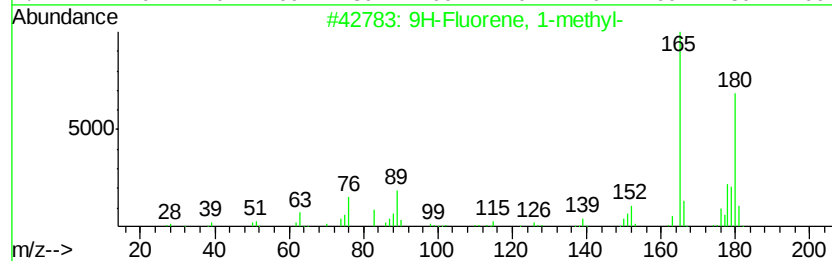
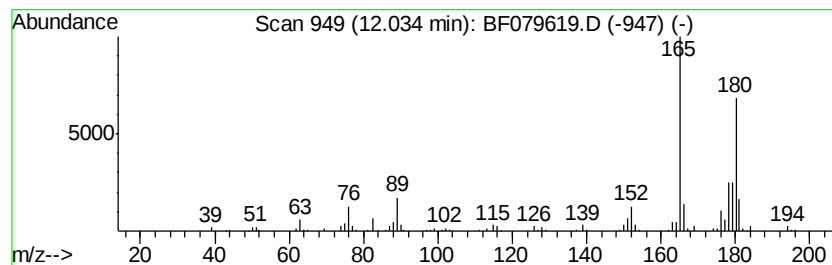
Instrument :
BNA_F
ClientSampleId :
RAMPTP-440SB2.1(4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 9H-Fluorene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.03	10.27 ng	404916	Phenanthrene-d10		12.51	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-		180	C14H12	001730-37-6	95
2	9H-Fluorene, 3-methyl-		180	C14H12	002523-39-9	95
3	9H-Fluorene, 2-methyl-		180	C14H12	001430-97-3	91
4	9H-Fluorene, 4-methyl-		180	C14H12	001556-99-6	91
5	9H-Fluorene, 9-methyl-		180	C14H12	002523-37-7	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079619.D
Acq On : 30 May 2015 23:04
Operator : TP/IZ
Sample : G2416-08 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

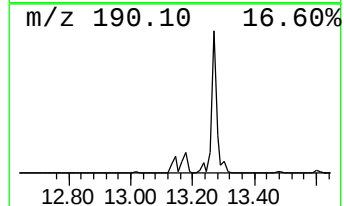
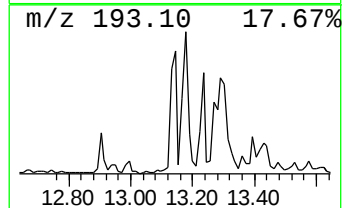
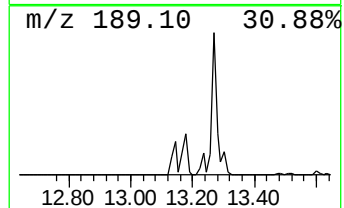
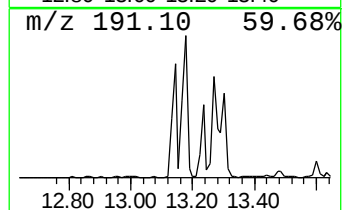
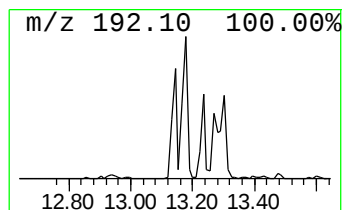
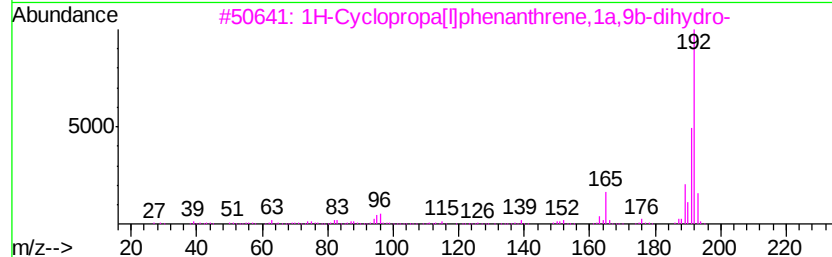
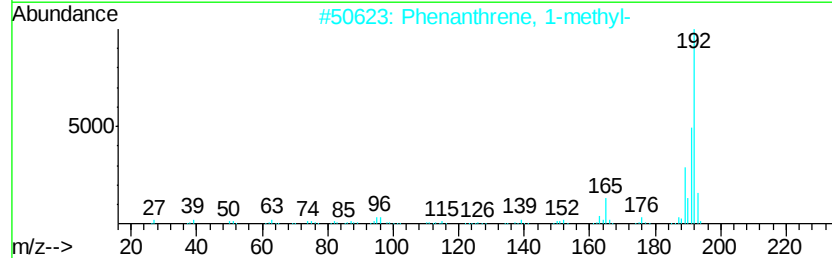
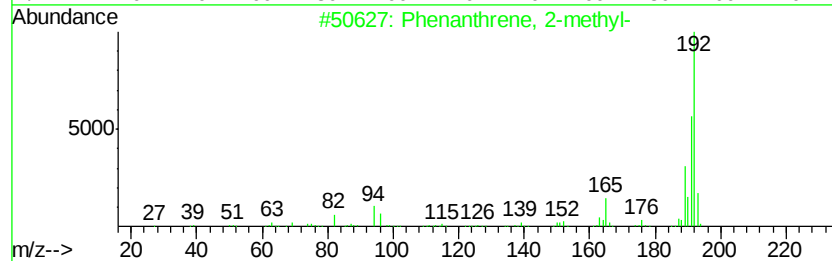
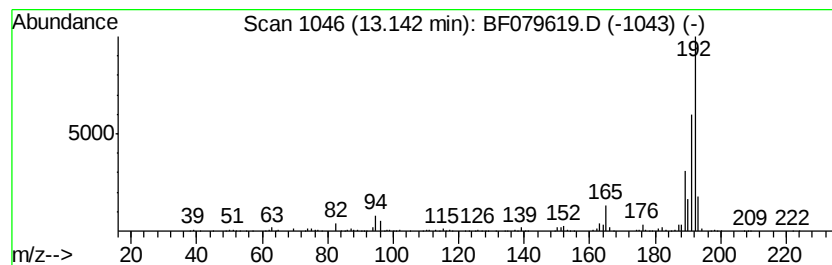
Instrument :
BNA_F
ClientSampleId :
RAMPTP-440SB2.1(4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.14	22.65 ng	893076	Phenanthrene-d10	12.51	
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	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079619.D
Acq On : 30 May 2015 23:04
Operator : TP/IZ
Sample : G2416-08 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RAMPTP-440SB2.1(4)

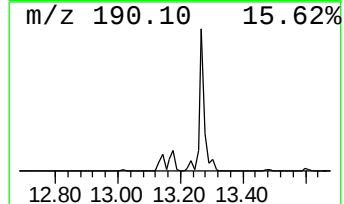
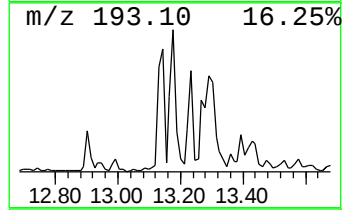
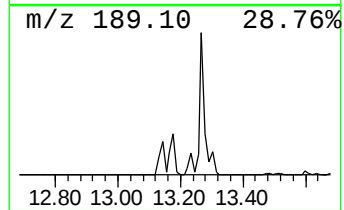
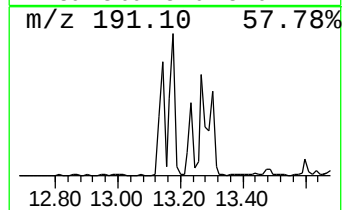
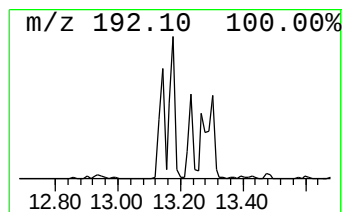
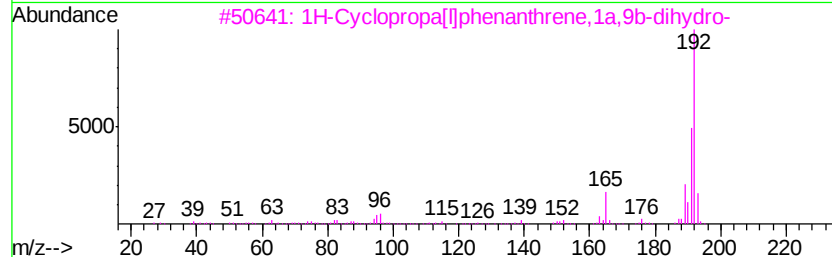
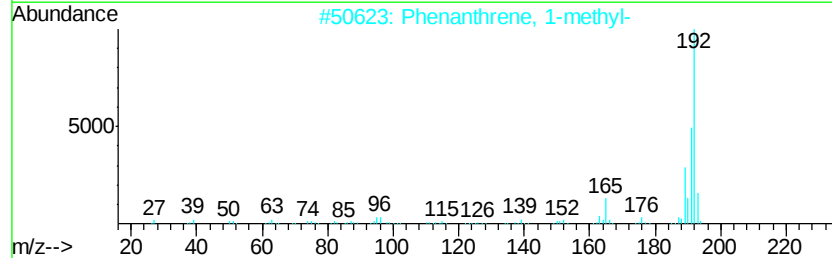
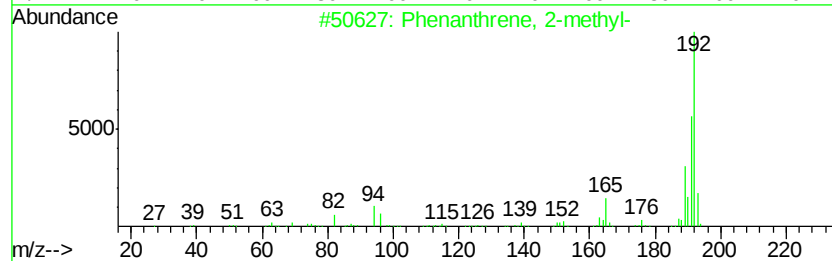
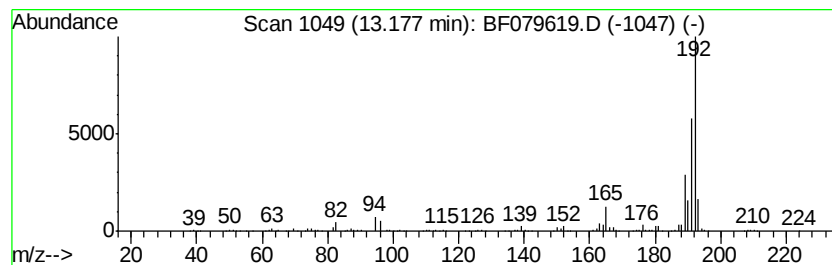
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	29.77 ng	1173870	Phenanthrene-d10	12.51

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		1H-Cyclopropa[1]phenanthrene, 1a,...	192	C15H12	000949-41-7	95
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079619.D
Acq On : 30 May 2015 23:04
Operator : TP/IZ
Sample : G2416-08 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

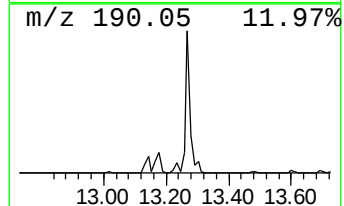
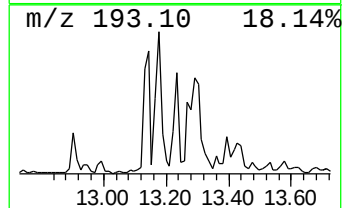
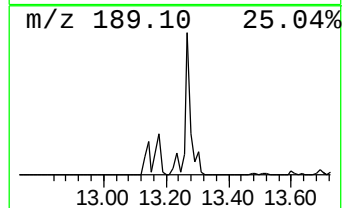
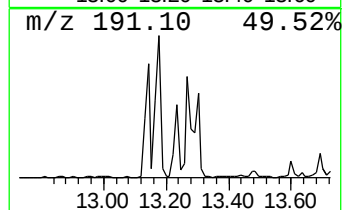
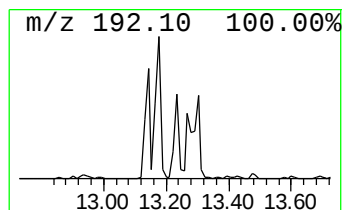
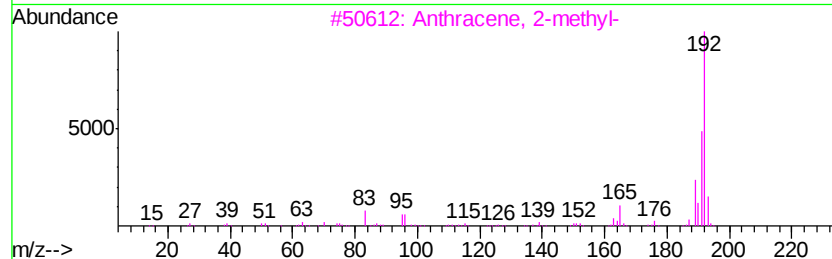
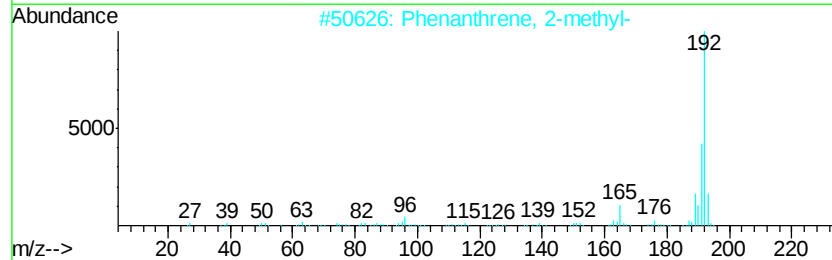
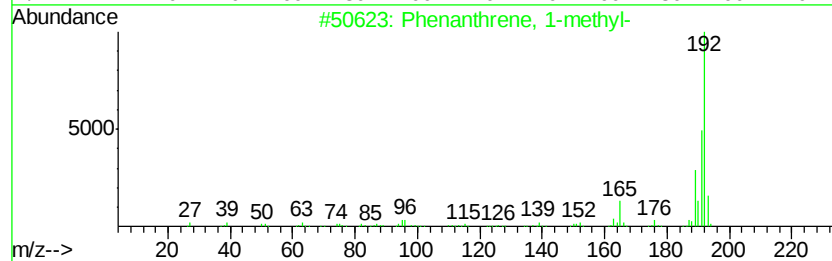
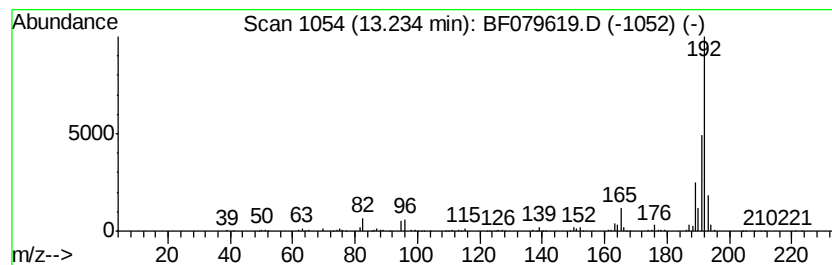
Instrument :
BNA_F
ClientSampleId :
RAMPTP-440SB2.1(4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.23	12.86 ng	507024	Phenanthrene-d10	12.51		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079619.D
Acq On : 30 May 2015 23:04
Operator : TP/IZ
Sample : G2416-08 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

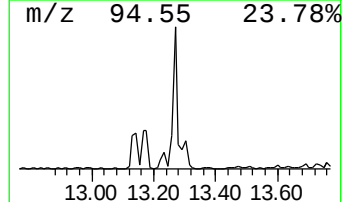
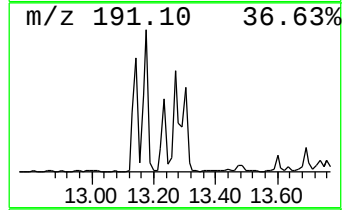
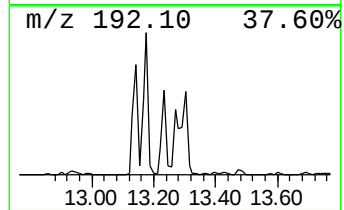
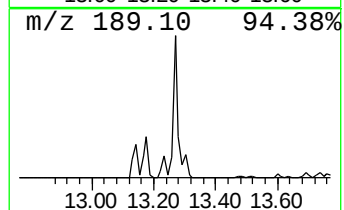
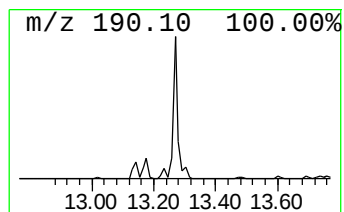
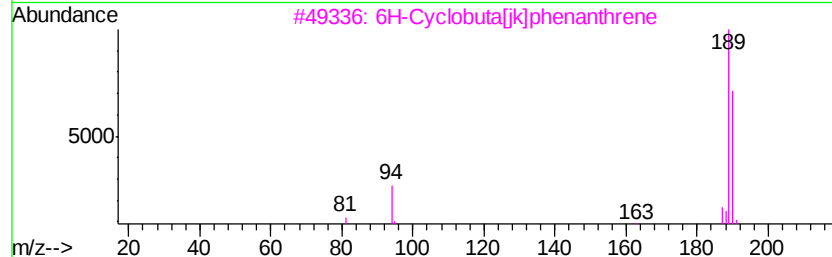
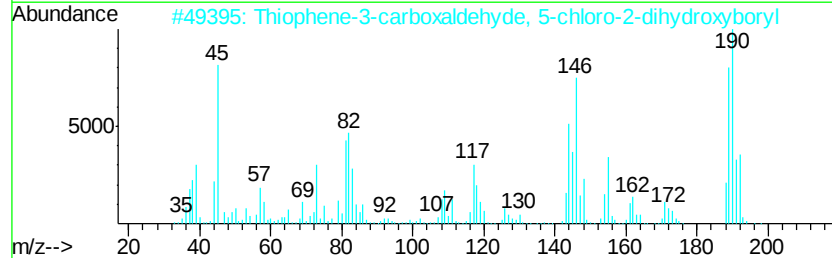
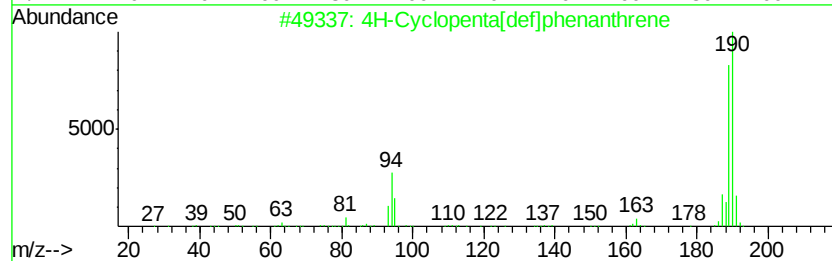
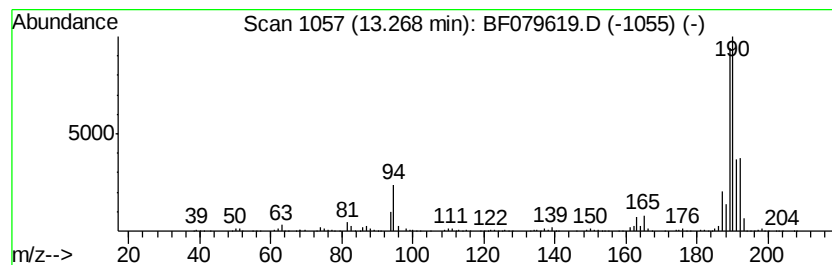
Instrument :
BNA_F
ClientSampleId :
RAMPTP-440SB2.1(4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.27	42.61 ng	1680350	Phenanthrene-d10	12.51		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5		4,4'-Difluorobiphenyl	190	C12H8F2	000398-23-2	23



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079619.D
Acq On : 30 May 2015 23:04
Operator : TP/IZ
Sample : G2416-08 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RAMPTP-440SB2.1(4)

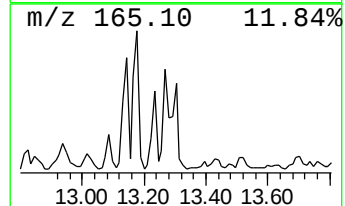
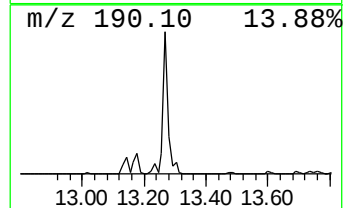
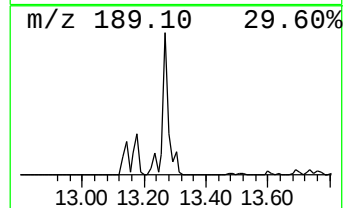
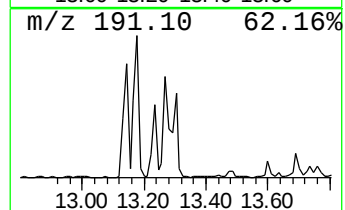
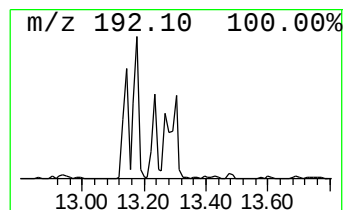
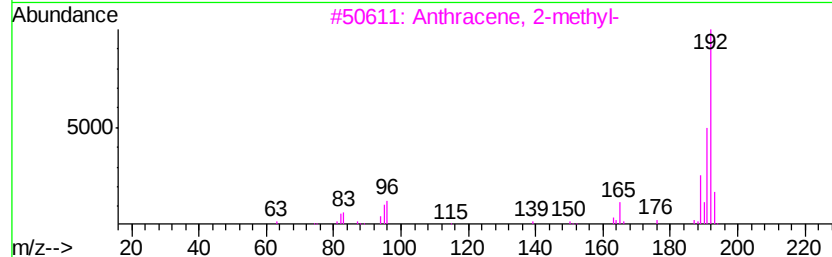
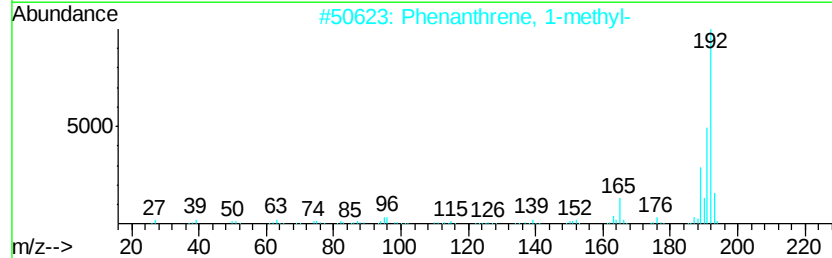
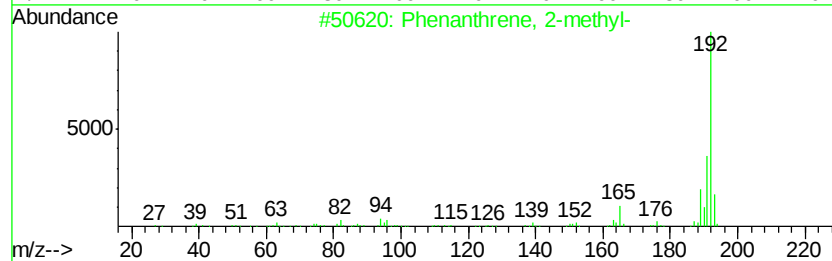
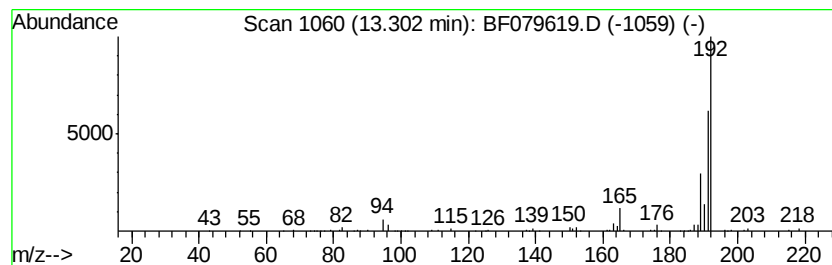
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	11.24 ng	443407	Phenanthrene-d10	12.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
5		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079619.D
Acq On : 30 May 2015 23:04
Operator : TP/IZ
Sample : G2416-08 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RAMPTP-440SB2.1(4)

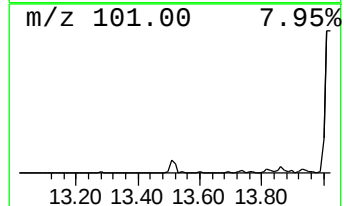
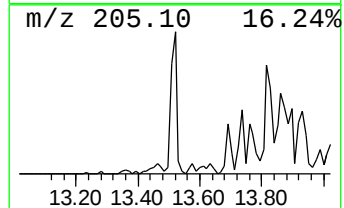
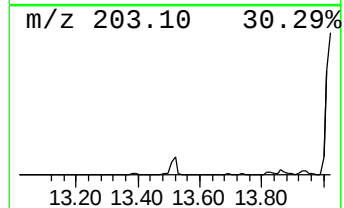
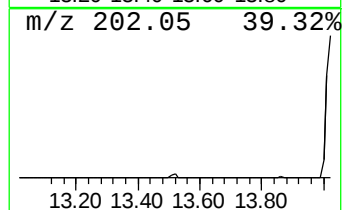
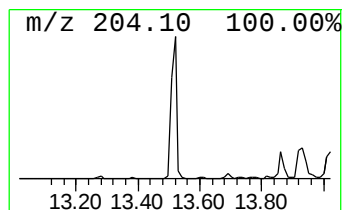
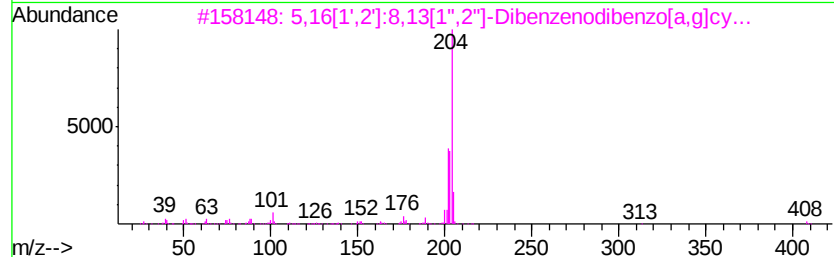
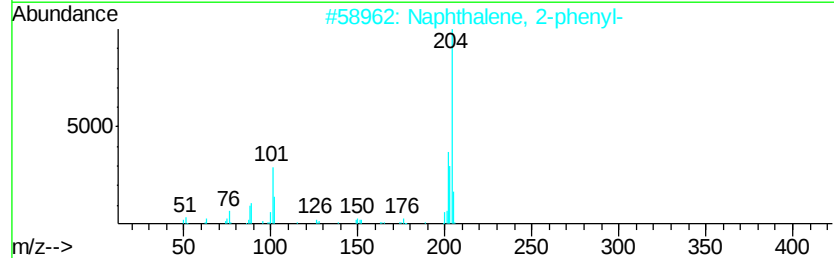
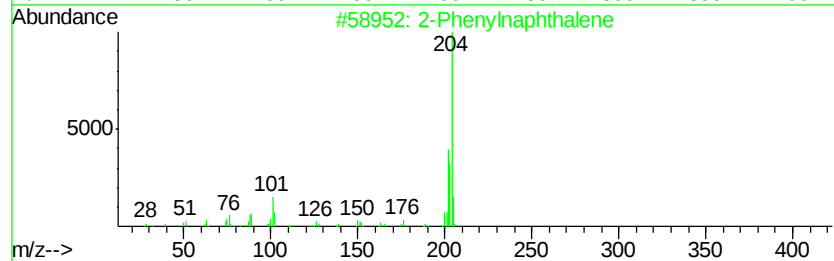
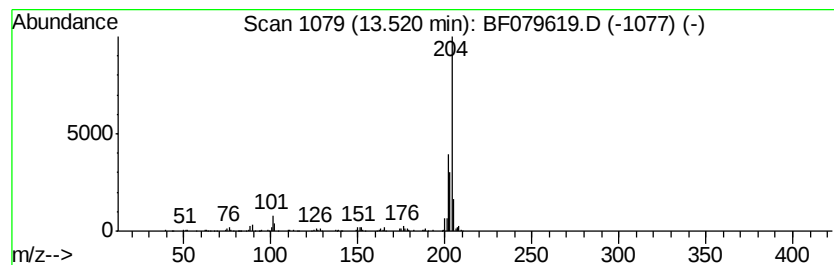
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 2-Phenylnaphthalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	14.01 ng	552389	Phenanthrene-d10	12.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Phenylnaphthalene	204	C16H12	035465-71-5	95
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
3		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079619.D
Acq On : 30 May 2015 23:04
Operator : TP/IZ
Sample : G2416-08 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RAMPTP-440SB2.1(4)

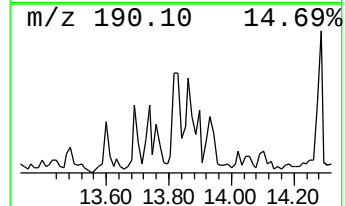
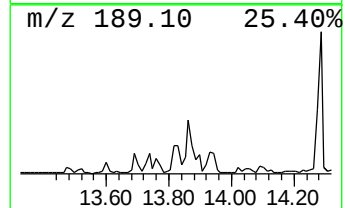
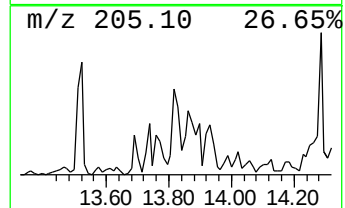
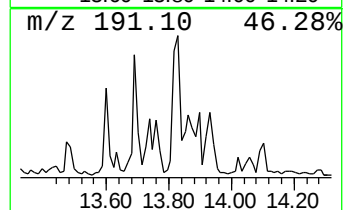
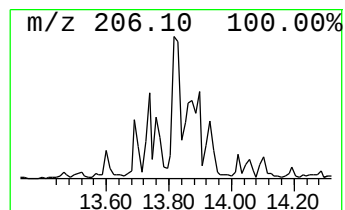
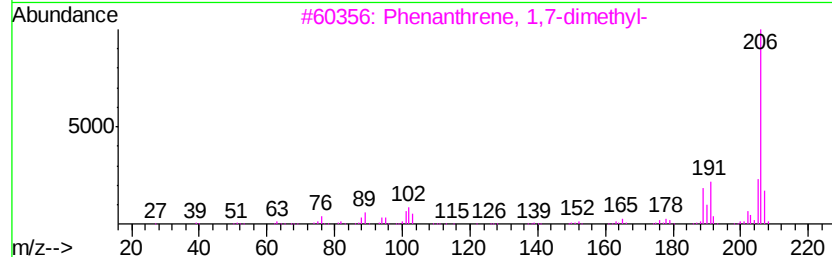
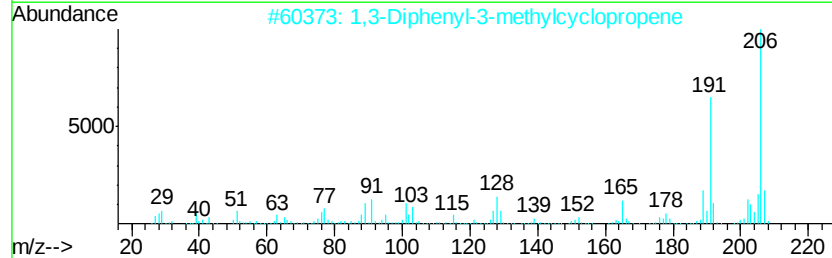
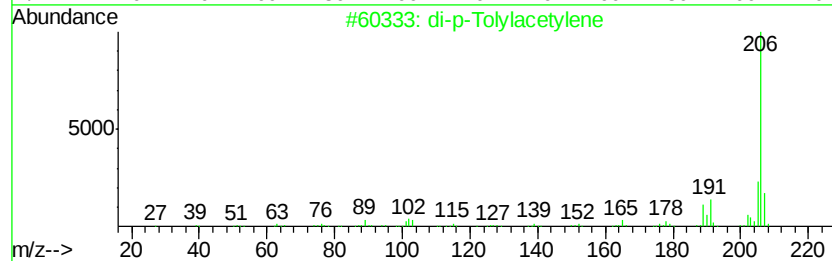
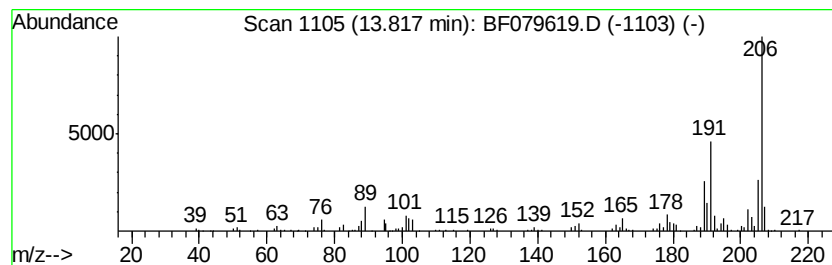
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 di-p-Tolylacetylene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	10.10 ng	398131	Phenanthrene-d10	12.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2		1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
4		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079619.D
Acq On : 30 May 2015 23:04
Operator : TP/IZ
Sample : G2416-08 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RAMPTP-440SB2.1(4)

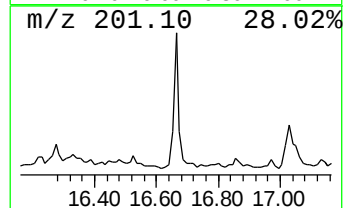
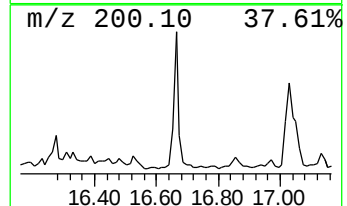
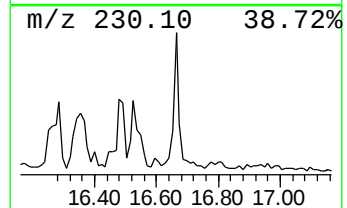
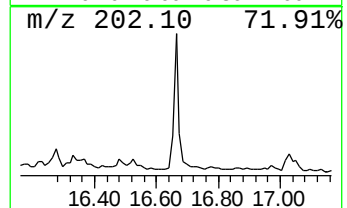
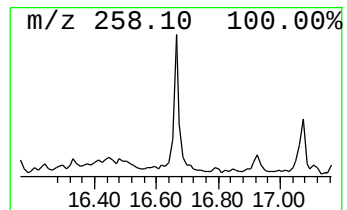
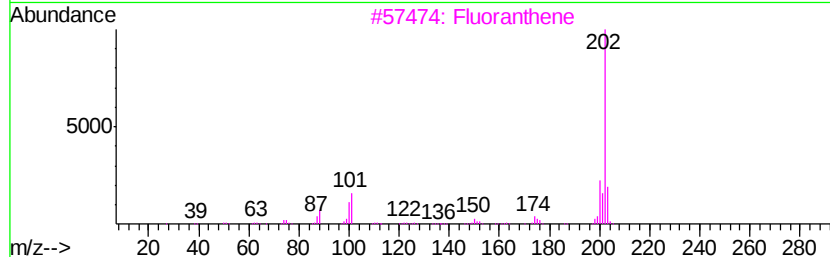
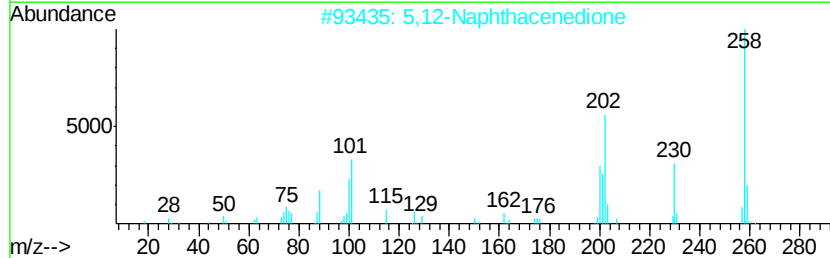
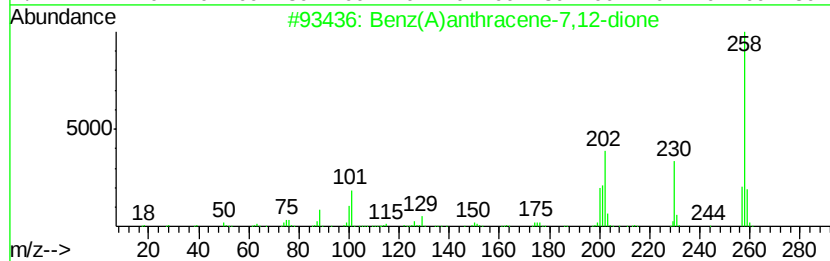
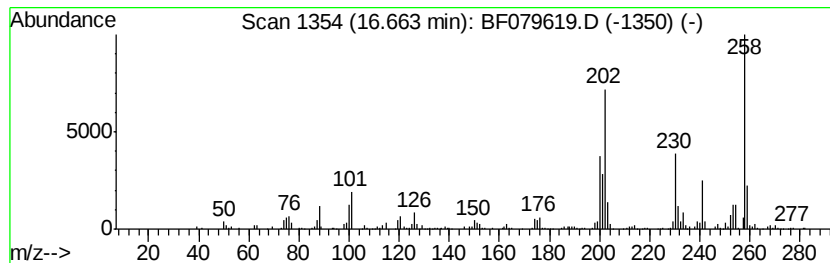
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benz(A)anthracene-7,12-dione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	11.46 ng	378954	Perylene-d12	17.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	93
2		5,12-Naphthacenedione	258	C18H10O2	001090-13-7	93
3		Fluoranthene	202	C16H10	000206-44-0	56
4		Rhodium, dicarbonyl(2,4-pentaned...	258	C7H7O4Rh	014874-82-9	46
5		Hydroxylamine, N-(4,5-dihydro-5-...	258	C16H22N2O	1000274-03-9	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079619.D
Acq On : 30 May 2015 23:04
Operator : TP/IZ
Sample : G2416-08 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RAMPTP-440SB2.1(4)

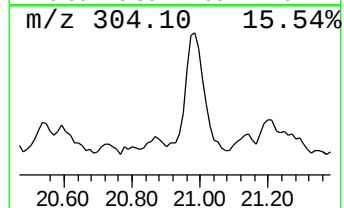
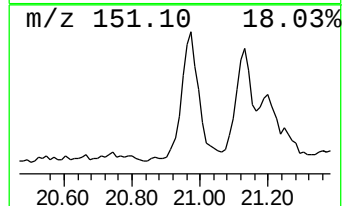
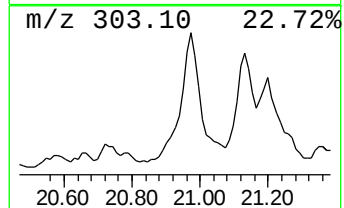
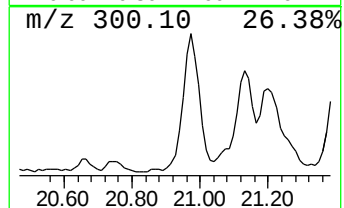
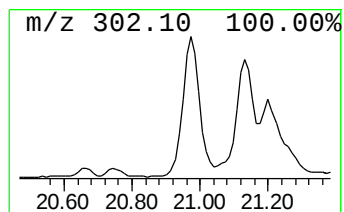
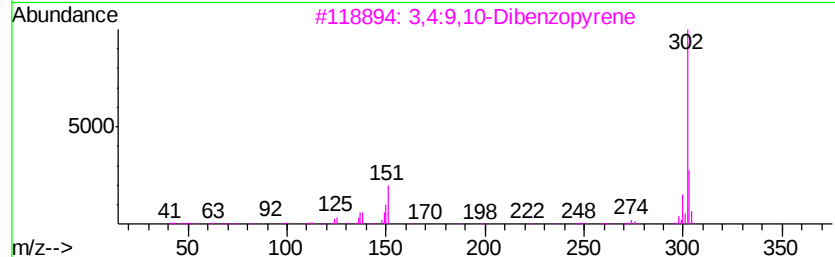
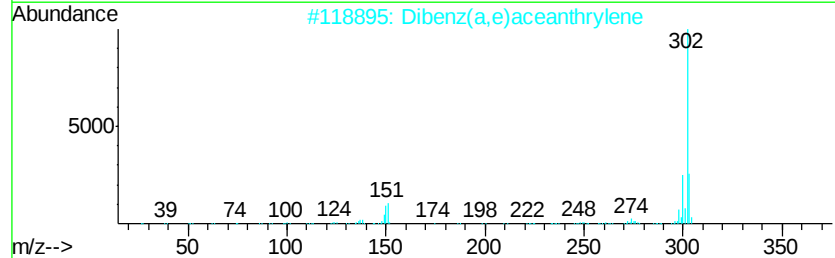
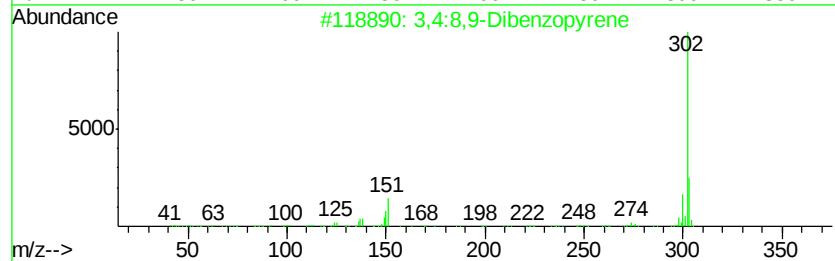
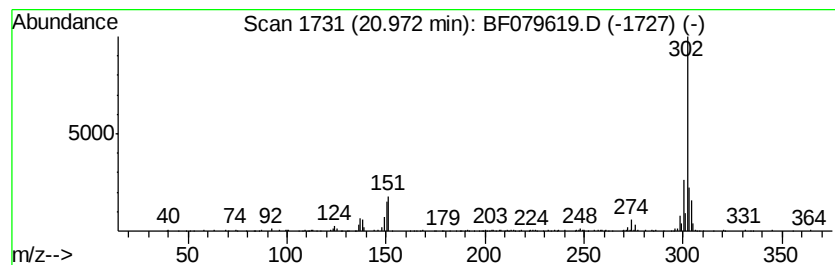
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 3,4:8,9-Dibenzopyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	14.43 ng	477130	Perylene-d12	17.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	96
2		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	95
3		3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	95
4		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
5		Pregnan-20-one, (5.alpha.)-	302	C21H34O	000848-62-4	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
 Data File : BF079619.D
 Acq On : 30 May 2015 23:04
 Operator : TP/IZ
 Sample : G2416-08 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAMPTP-440SB2.1(4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.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
unknown6.65	6.65	14.9	ng	279942	1	6.94	375651	20.0
Naphthalene, 1-me...	9.52	11.2	ng	316279	2	8.51	563590	20.0
[1,1'-Biphenyl]-4...	11.55	10.7	ng	352853	3	10.67	661731	20.0
9H-Fluorene, 1-me...	12.03	10.3	ng	404916	4	12.51	788717	20.0
Phenanthrene, 2-m...	13.14	22.6	ng	893076	4	12.51	788717	20.0
Phenanthrene, 1-m...	13.18	29.8	ng	1173870	4	12.51	788717	20.0
Anthracene, 2-met...	13.23	12.9	ng	507024	4	12.51	788717	20.0
4H-Cyclopenta[def...	13.27	42.6	ng	1680350	4	12.51	788717	20.0
Phenanthrene, 3-m...	13.30	11.2	ng	443407	4	12.51	788717	20.0
2-Phenylnaphthalene	13.52	14.0	ng	552389	4	12.51	788717	20.0
di-p-Tolylacetylene	13.82	10.1	ng	398131	4	12.51	788717	20.0
Benz(A)anthracene...	16.66	11.5	ng	378954	6	17.44	661192	20.0
3,4:8,9-Dibenzopy...	20.97	14.4	ng	477130	6	17.44	661192	20.0