

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
 Data File : BF078966.D
 Acq On : 6 May 2015 17:59
 Operator : TP/IZ
 Sample : G2114-13 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5(0-6)

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	1.495	25	27	30	rVB	2810023	3250332	87.16%	6.769%
2	1.644	37	40	49	rVB	166002	302531	8.11%	0.630%
3	1.770	49	51	54	rVV	98239	164753	4.42%	0.343%
4	1.827	54	56	60	rVV	91784	151837	4.07%	0.316%
5	1.895	60	62	99	rVB	2058189	3729329	100.00%	7.767%
6	5.644	388	390	393	rBV	668996	655143	17.57%	1.364%
7	6.902	497	500	502	rBV	564915	691316	18.54%	1.440%
8	7.062	511	514	516	rBV	573821	703033	18.85%	1.464%
9	7.347	537	539	541	rBV	517674	457230	12.26%	0.952%
10	7.530	553	555	558	rVB	478874	527408	14.14%	1.098%
11	8.033	597	599	601	rBV	442838	403429	10.82%	0.840%
12	8.925	675	677	678	rBV	731073	642637	17.23%	1.338%
13	8.948	678	679	681	rVB	81378	69461	1.86%	0.145%
14	10.273	792	795	797	rVB	692481	836929	22.44%	1.743%
15	10.925	850	852	855	rVB	116007	107594	2.89%	0.224%
16	11.096	865	867	869	rBV	587126	745632	19.99%	1.553%
17	11.142	869	871	873	rVB	166408	143157	3.84%	0.298%
18	11.359	887	890	892	rBV	112326	116237	3.12%	0.242%
19	11.782	925	927	929	rBV	212973	192238	5.15%	0.400%
20	11.862	929	934	935	rBV2	44944	79640	2.14%	0.166%
21	11.999	943	946	948	rVB2	75839	128884	3.46%	0.268%
22	12.079	950	953	956	rVB	608766	622554	16.69%	1.297%
23	12.468	983	987	989	rBV3	64451	117976	3.16%	0.246%
24	12.662	998	1004	1005	rBV3	39016	98096	2.63%	0.204%
25	12.708	1005	1008	1011	rVB	90421	108712	2.92%	0.226%
26	12.777	1011	1014	1016	rBV2	52980	87695	2.35%	0.183%
27	12.822	1016	1018	1025	rVB	113038	152684	4.09%	0.318%
28	12.948	1027	1029	1030	rBV	785087	762553	20.45%	1.588%
29	12.982	1030	1032	1034	rVB	2080908	2068536	55.47%	4.308%
30	13.039	1034	1037	1039	rVB	440172	463829	12.44%	0.966%
31	13.097	1039	1042	1044	rBV	43971	67247	1.80%	0.140%
32	13.245	1053	1055	1057	rVB	170471	151608	4.07%	0.316%
33	13.359	1064	1065	1067	rVB	72205	95046	2.55%	0.198%
34	13.577	1082	1084	1086	rBV	398385	457885	12.28%	0.954%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
 Data File : BF078966.D
 Acq On : 6 May 2015 17:59
 Operator : TP/IZ
 Sample : G2114-13 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5(0-6)

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

35	13.611	1086	1087	1090	rVB	549184	509514	13.66%	1.061%
36	13.668	1090	1092	1094	rBV	171969	215500	5.78%	0.449%
37	13.714	1094	1096	1098	rBV	596552	779164	20.89%	1.623%
38	13.748	1098	1099	1101	rVB	288560	206734	5.54%	0.431%
39	13.839	1101	1107	1108	rBV2	34495	77502	2.08%	0.161%
40	13.874	1108	1110	1112	rVB	57529	64801	1.74%	0.135%
41	13.977	1112	1119	1122	rBV2	238619	546847	14.66%	1.139%
42	14.045	1122	1125	1127	rBV	57610	63498	1.70%	0.132%
43	14.137	1132	1133	1135	rVB	120080	111198	2.98%	0.232%
44	14.171	1135	1136	1138	rBV	82875	107250	2.88%	0.223%
45	14.205	1138	1139	1141	rVB	93877	67963	1.82%	0.142%
46	14.262	1142	1144	1146	rBV	263903	386576	10.37%	0.805%
47	14.308	1146	1148	1150	rVV	163236	213562	5.73%	0.445%
48	14.365	1152	1153	1157	rVB3	175108	273829	7.34%	0.570%
49	14.457	1159	1161	1164	rBV	1595431	2299796	61.67%	4.790%
50	14.537	1166	1168	1170	rBV3	101603	146551	3.93%	0.305%
51	14.571	1170	1171	1174	rVB	61016	85891	2.30%	0.179%
52	14.640	1174	1177	1179	rBV3	124094	234233	6.28%	0.488%
53	14.742	1183	1186	1188	rVB	2195332	2520919	67.60%	5.250%
54	14.811	1188	1192	1198	rVB	776314	1067282	28.62%	2.223%
55	14.902	1198	1200	1201	rBV	102947	124649	3.34%	0.260%
56	14.948	1201	1204	1207	rVB	1038554	1173064	31.46%	2.443%
57	15.028	1207	1211	1213	rBV3	172994	337037	9.04%	0.702%
58	15.131	1215	1220	1221	rBV5	144380	286234	7.68%	0.596%
59	15.154	1221	1222	1225	rVB	261400	280480	7.52%	0.584%
60	15.245	1225	1230	1232	rBV	184782	311280	8.35%	0.648%
61	15.291	1232	1234	1235	rBV	235624	335285	8.99%	0.698%
62	15.325	1235	1237	1239	rVB2	49640	64570	1.73%	0.134%
63	15.394	1242	1243	1245	rBV	145568	195157	5.23%	0.406%
64	15.440	1245	1247	1250	rVB	194322	189329	5.08%	0.394%
65	15.543	1253	1256	1262	rVB5	58008	162924	4.37%	0.339%
66	15.634	1262	1264	1265	rBV2	46692	74461	2.00%	0.155%
67	15.794	1275	1278	1281	rBV	232040	291027	7.80%	0.606%
68	15.931	1287	1290	1293	rBV2	196959	372263	9.98%	0.775%
69	15.977	1293	1294	1297	rVV2	214827	339762	9.11%	0.708%
70	16.068	1300	1302	1304	rVV	161210	246898	6.62%	0.514%
71	16.125	1305	1307	1314	rVB5	83708	225404	6.04%	0.469%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
 Data File : BF078966.D
 Acq On : 6 May 2015 17:59
 Operator : TP/IZ
 Sample : G2114-13 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5(0-6)

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

72	16.251	1314	1318	1321	rBV2	1241831	2718509	72.90%	5.662%
73	16.297	1321	1322	1327	rVV	1124990	1113624	29.86%	2.319%
74	16.400	1327	1331	1332	rVV2	130485	224574	6.02%	0.468%
75	16.445	1332	1335	1336	rVV2	62378	119453	3.20%	0.249%
76	16.480	1336	1338	1339	rVV	65061	96499	2.59%	0.201%
77	16.514	1339	1341	1344	rVV4	56476	137689	3.69%	0.287%
78	16.571	1344	1346	1347	rVV2	75830	103765	2.78%	0.216%
79	16.605	1347	1349	1350	rVV	62873	67767	1.82%	0.141%
80	16.686	1354	1356	1358	rBV3	63863	119470	3.20%	0.249%
81	16.731	1358	1360	1361	rVV	84814	97624	2.62%	0.203%
82	16.777	1361	1364	1366	rVV	293115	429405	11.51%	0.894%
83	16.823	1366	1368	1371	rVV	168449	229491	6.15%	0.478%
84	16.868	1371	1372	1374	rVV2	54079	97542	2.62%	0.203%
85	16.903	1374	1375	1377	rVV	121083	117721	3.16%	0.245%
86	16.937	1377	1378	1382	rVV2	88067	221089	5.93%	0.460%
87	17.051	1386	1388	1390	rVB2	52921	81036	2.17%	0.169%
88	17.188	1397	1400	1402	rBV	74490	122144	3.28%	0.254%
89	17.348	1412	1414	1416	rVB	56515	71127	1.91%	0.148%
90	17.394	1416	1418	1419	rBV	91700	112950	3.03%	0.235%
91	17.611	1434	1437	1444	rBV	885619	2045127	54.84%	4.259%
92	17.737	1446	1448	1450	rVB	167945	201628	5.41%	0.420%
93	17.943	1464	1466	1470	rBV	499851	776451	20.82%	1.617%
94	18.011	1470	1472	1475	rVV	837444	1050015	28.16%	2.187%
95	18.080	1475	1478	1487	rVB2	759461	1357729	36.41%	2.828%
96	19.429	1592	1596	1599	rBV2	96182	222189	5.96%	0.463%
97	19.589	1607	1610	1616	rVB2	336562	766488	20.55%	1.596%
98	19.783	1624	1627	1629	rBV	73035	155276	4.16%	0.323%
99	19.840	1630	1632	1635	rVB2	55037	98064	2.63%	0.204%
100	20.034	1646	1649	1658	rVB	302325	718469	19.27%	1.496%

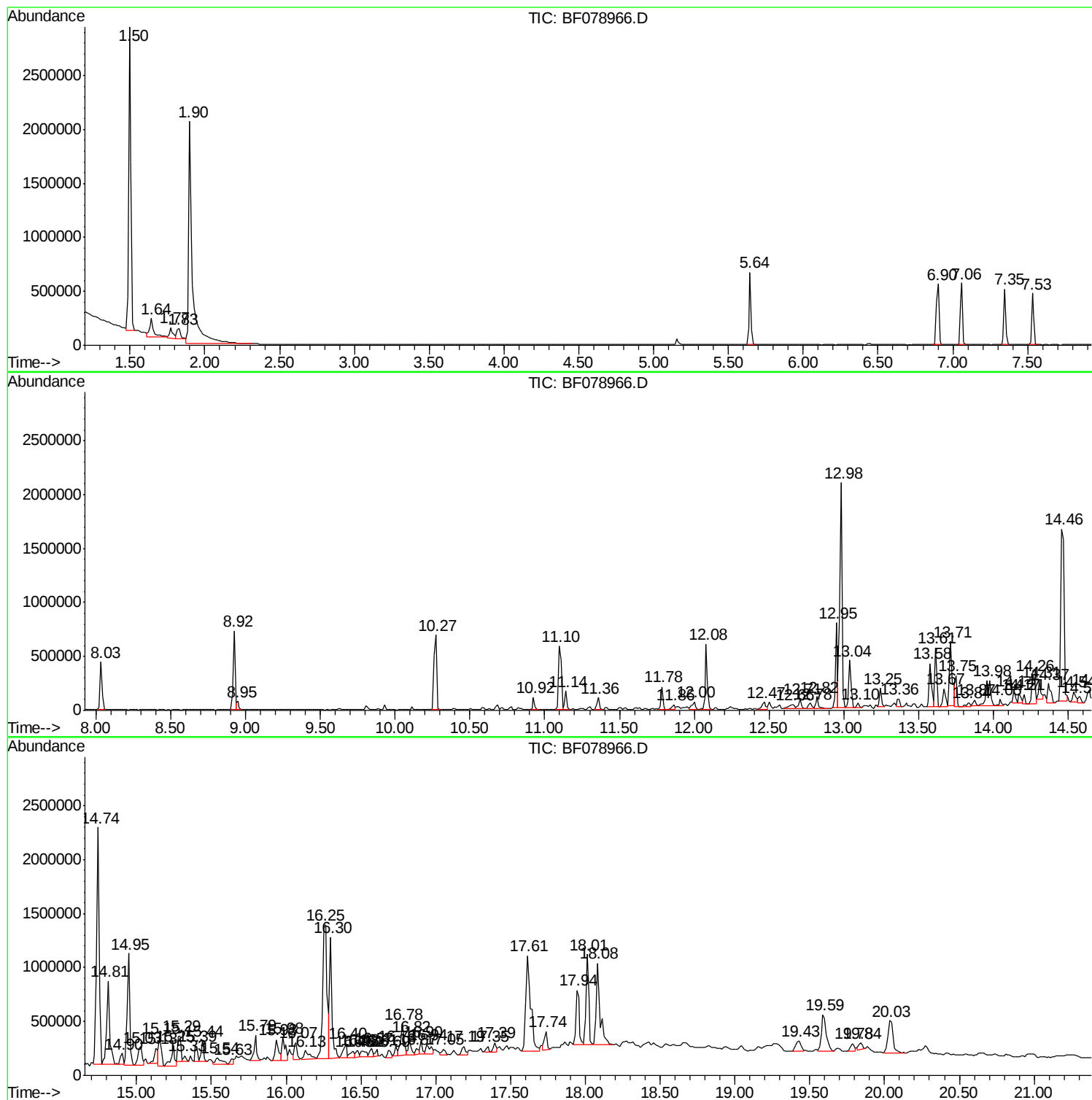
Sum of corrected areas: 48014520

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
Data File : BF078966.D
Acq On : 6 May 2015 17:59
Operator : TP/IZ
Sample : G2114-13 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GRID-5(0-6)

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
Data File : BF078966.D
Acq On : 6 May 2015 17:59
Operator : TP/IZ
Sample : G2114-13 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GRID-5(0-6)

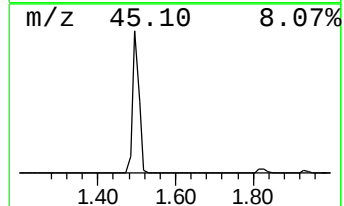
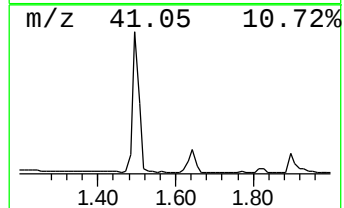
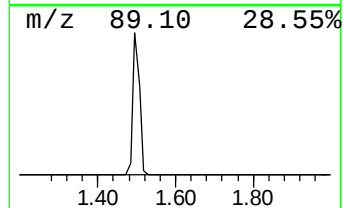
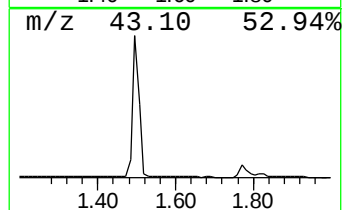
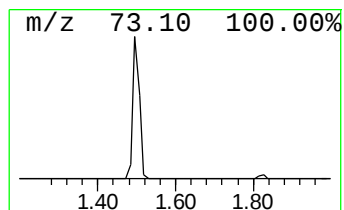
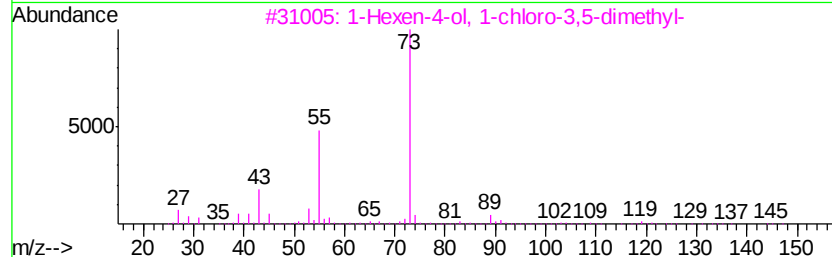
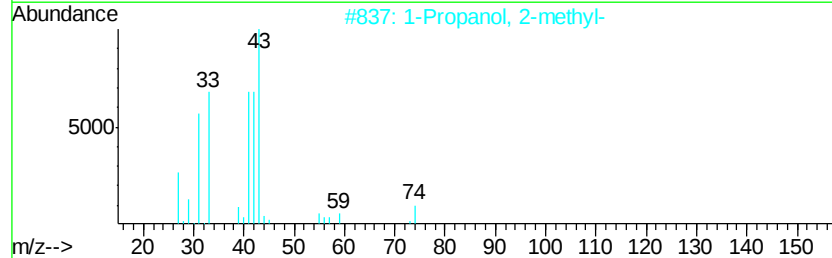
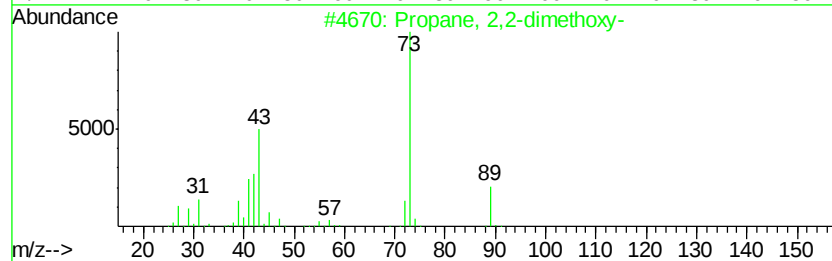
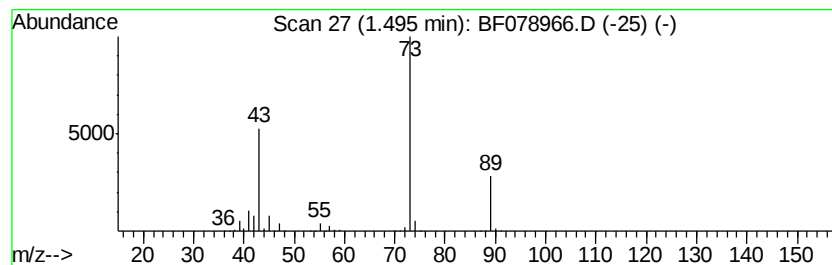
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
1.50	142.18 ng	3250330	1,4-Dichlorobenzene-d4	7.35

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
Data File : BF078966.D
Acq On : 6 May 2015 17:59
Operator : TP/IZ
Sample : G2114-13 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GRID-5(0-6)

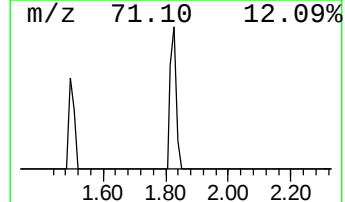
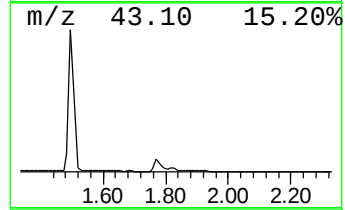
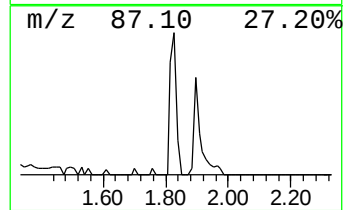
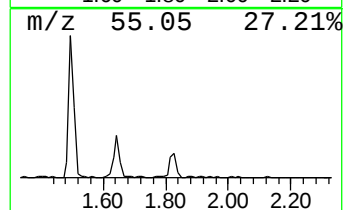
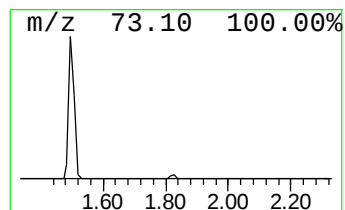
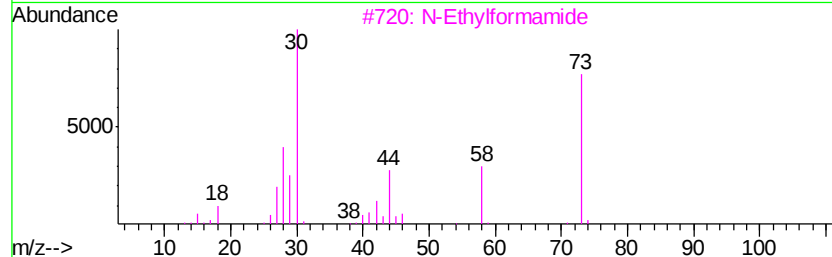
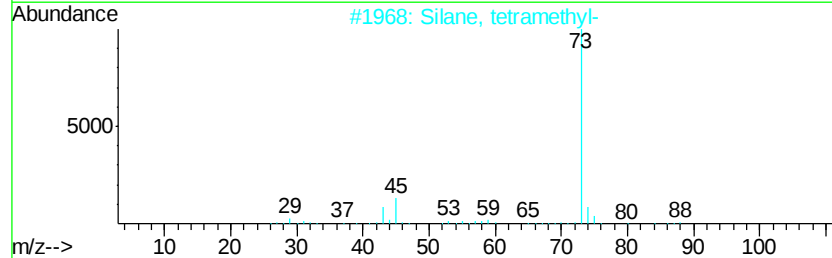
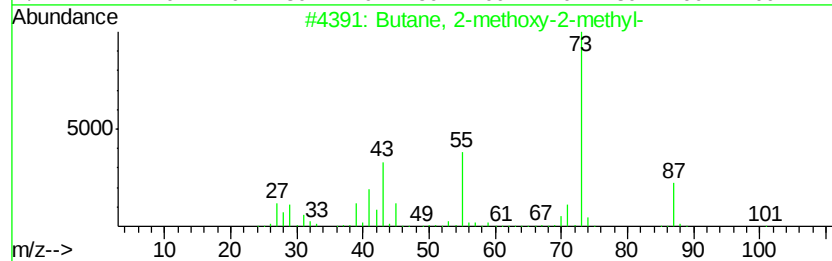
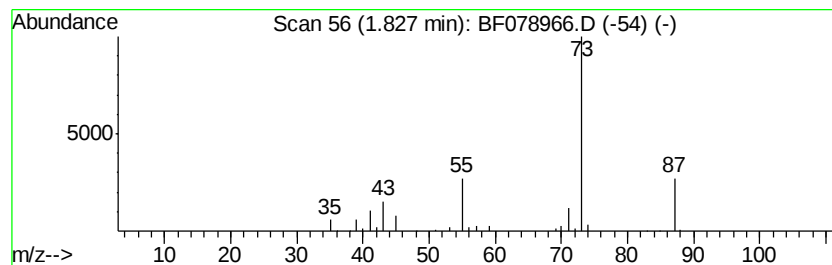
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Butane, 2-methoxy-2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.83	6.64 ng	151837	1,4-Dichlorobenzene-d4	7.35

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	56
2		Silane, tetramethyl-	88	C4H12Si	000075-76-3	10
3		N-Ethylformamide	73	C3H7NO	000627-45-2	9
4		2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	9
5		Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
Data File : BF078966.D
Acq On : 6 May 2015 17:59
Operator : TP/IZ
Sample : G2114-13 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GRID-5(0-6)

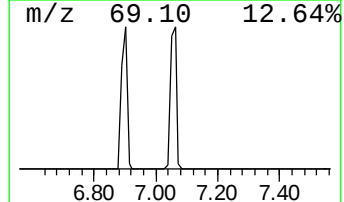
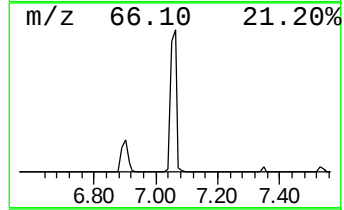
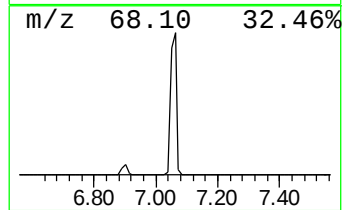
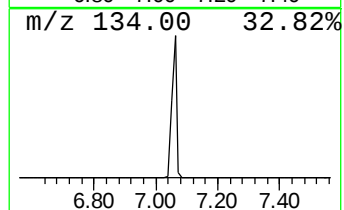
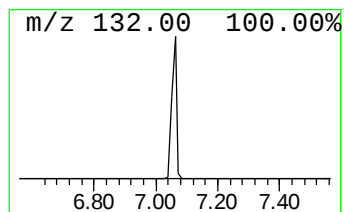
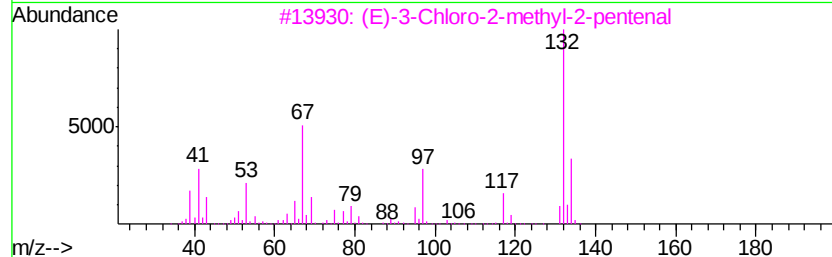
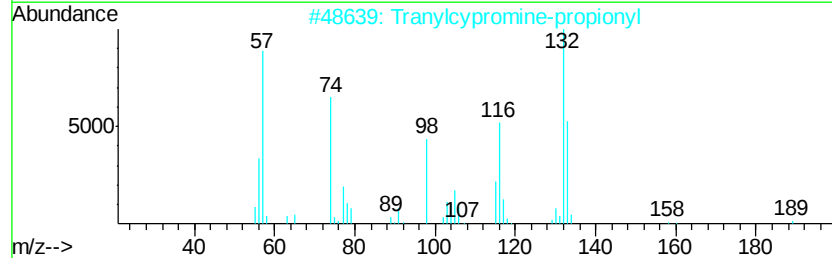
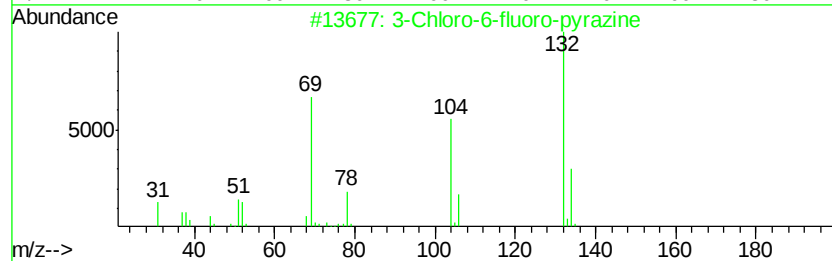
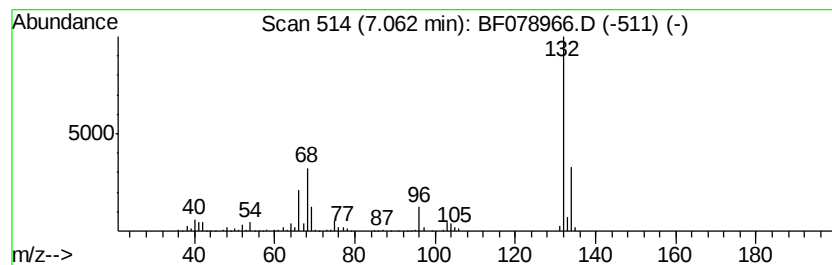
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown7.06 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	30.75 ng	703033	1,4-Dichlorobenzene-d4	7.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4		5-Aminoindole	132	C8H8N2	005192-03-0	12
5		Amphetaminil	250	C17H18N2	017590-01-1	12



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078966.D
Acq On : 6 May 2015 17:59
Operator : TP/IZ
Sample : G2114-13 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GRID-5(0-6)

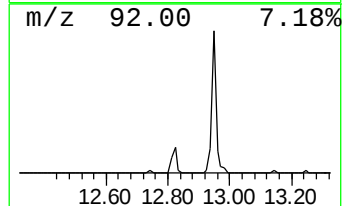
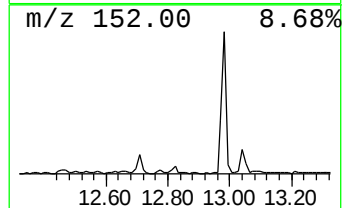
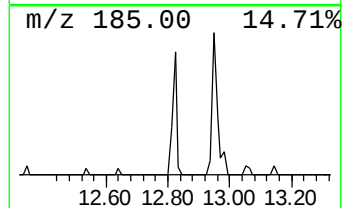
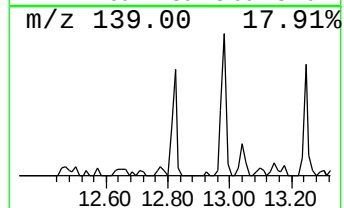
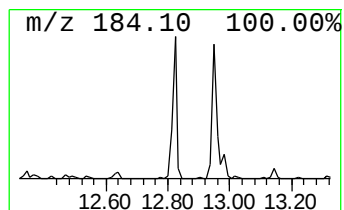
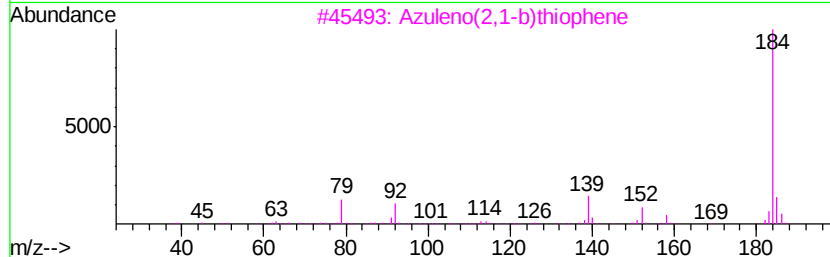
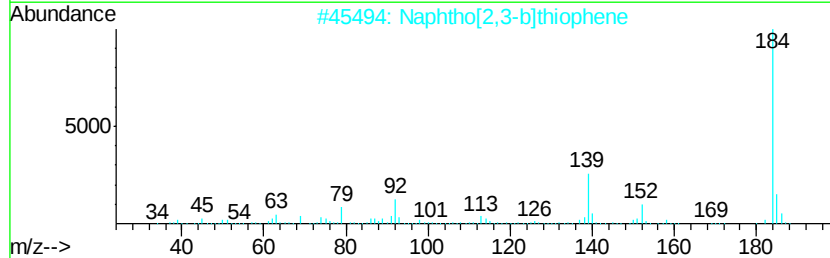
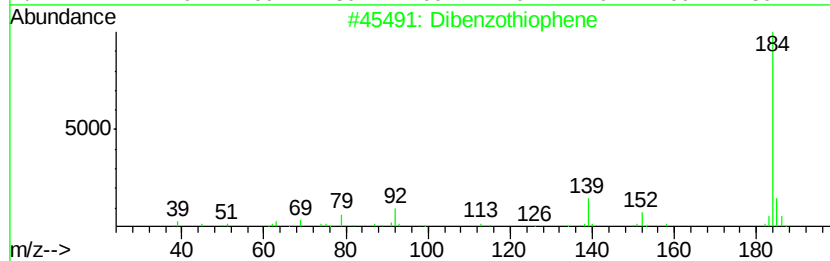
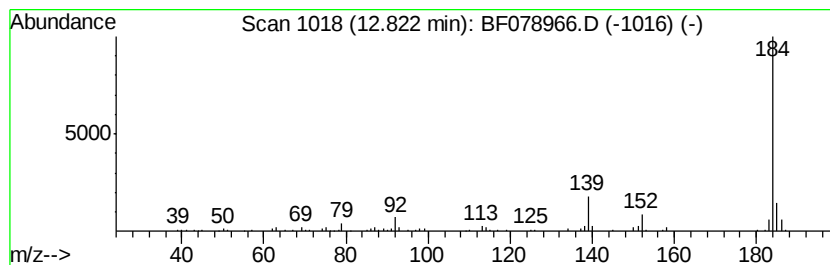
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	4.00 ng	152684	Phenanthrene-d10	12.95

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	97
2		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	96
3		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4		1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72
5		Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078966.D
Acq On : 6 May 2015 17:59
Operator : TP/IZ
Sample : G2114-13 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

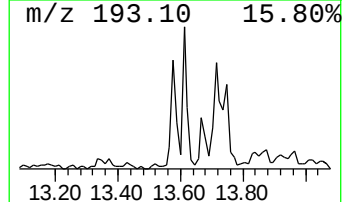
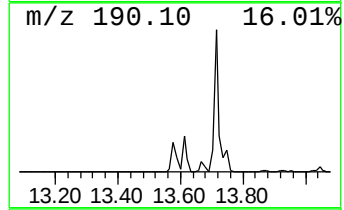
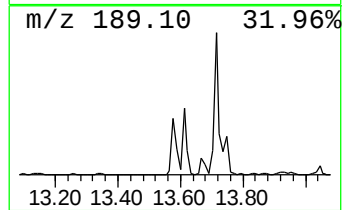
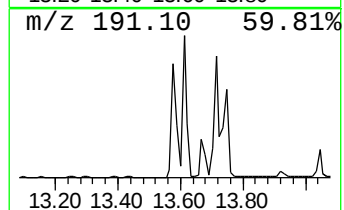
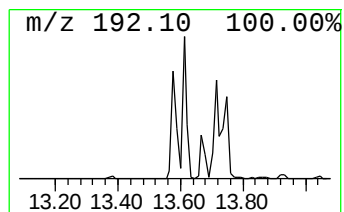
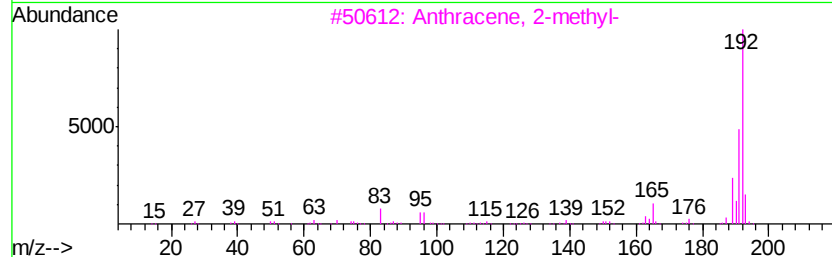
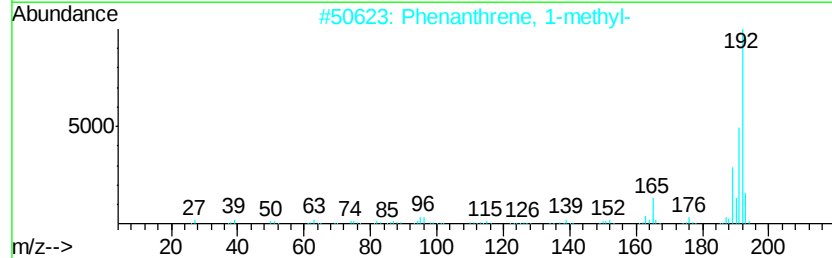
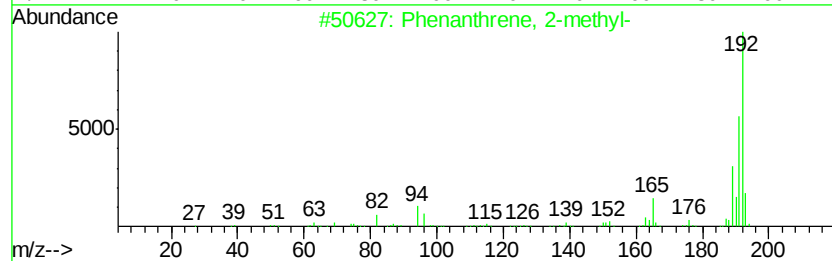
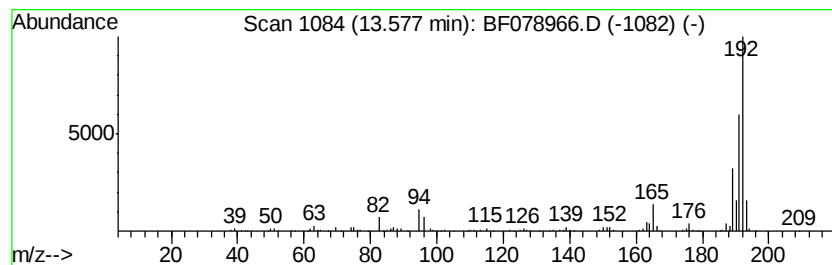
Instrument :
BNA_F
ClientSampleId :
GRID-5(0-6)

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 9 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.58	12.01 ng	457885	Phenanthrene-d10	12.95	
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	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[1,1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
Data File : BF078966.D
Acq On : 6 May 2015 17:59
Operator : TP/IZ
Sample : G2114-13 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

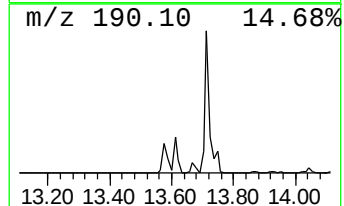
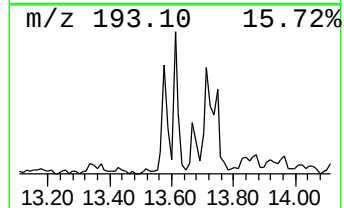
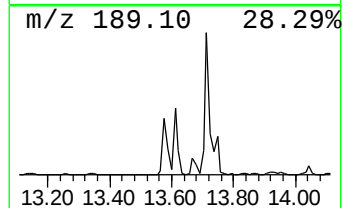
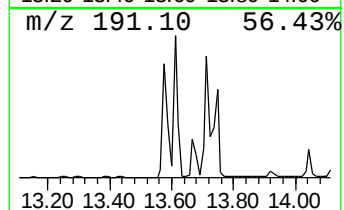
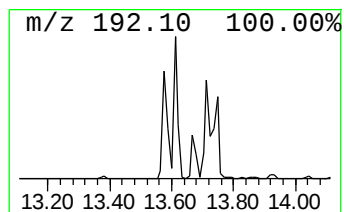
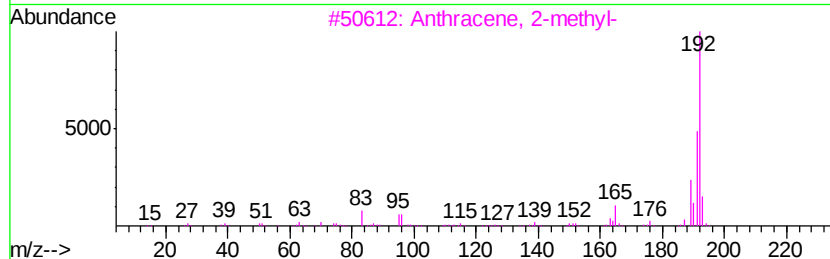
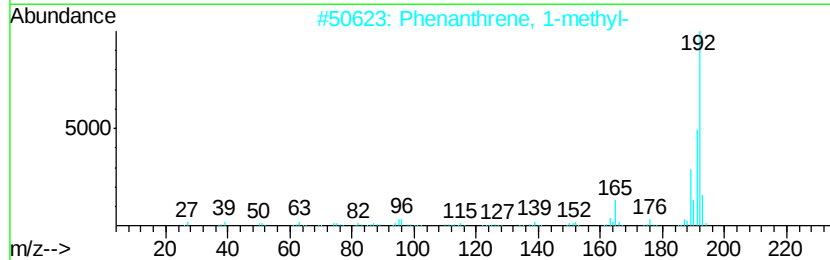
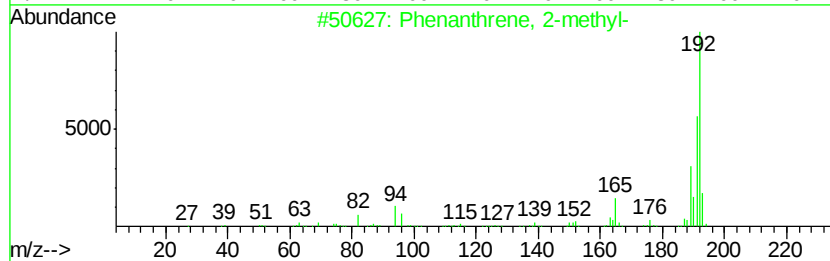
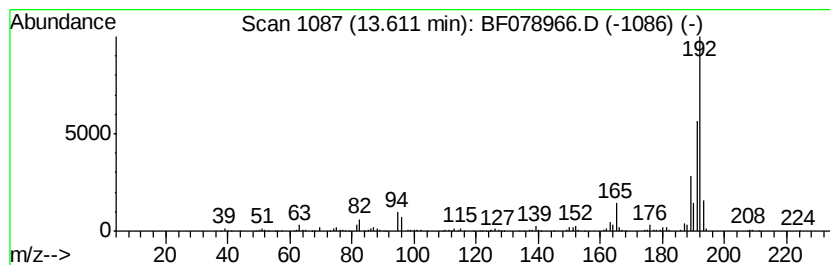
Instrument :
BNA_F
ClientSampleId :
GRID-5(0-6)

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 10 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.61	13.36 ng	509514	Phenanthrene-d10	12.95	
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	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[1,1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
Data File : BF078966.D
Acq On : 6 May 2015 17:59
Operator : TP/IZ
Sample : G2114-13 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GRID-5(0-6)

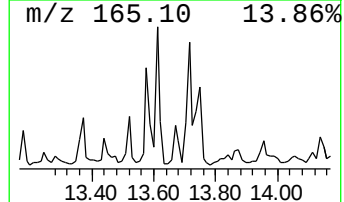
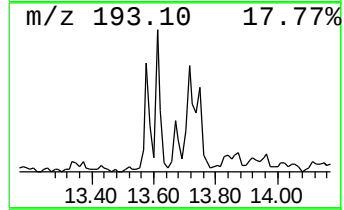
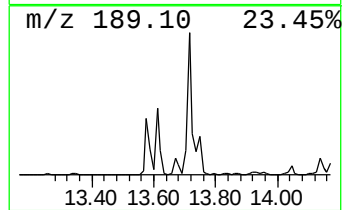
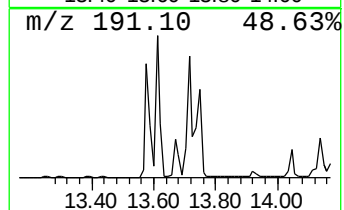
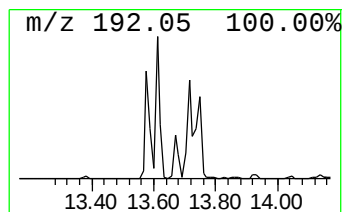
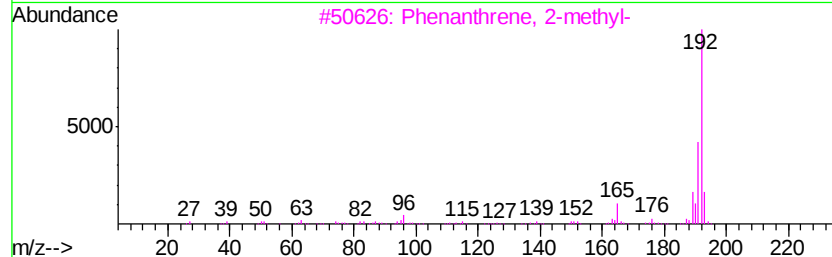
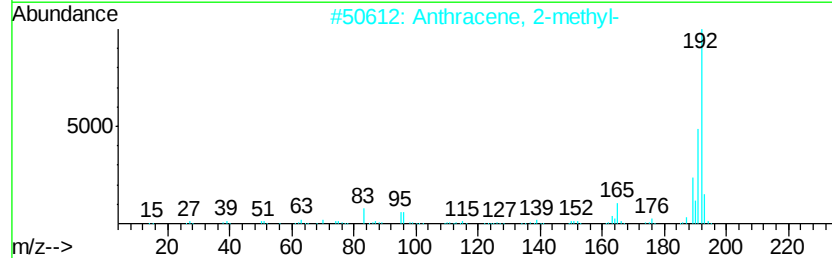
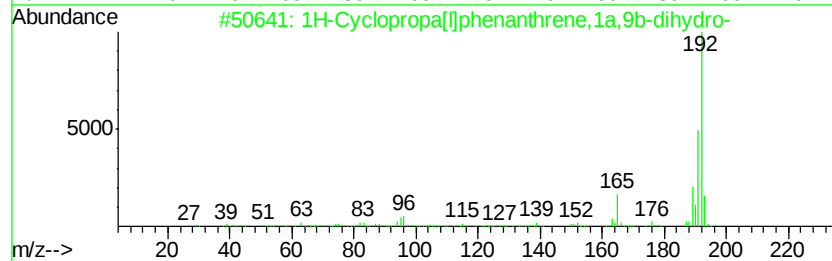
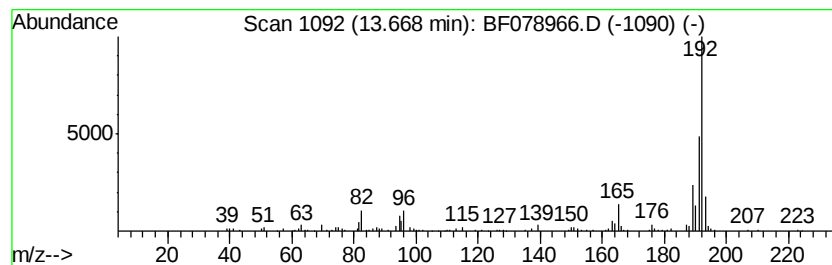
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	5.65 ng	215500	Phenanthrene-d10	12.95

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
Data File : BF078966.D
Acq On : 6 May 2015 17:59
Operator : TP/IZ
Sample : G2114-13 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GRID-5(0-6)

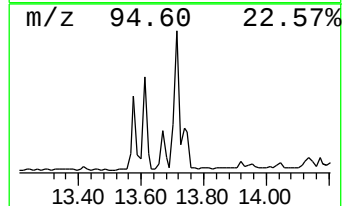
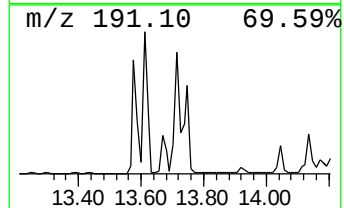
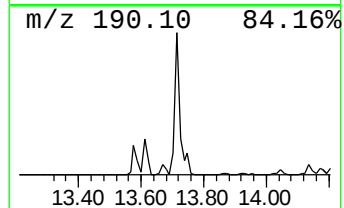
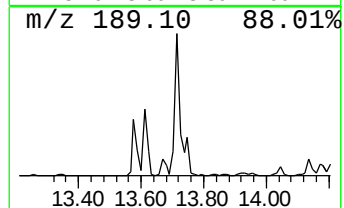
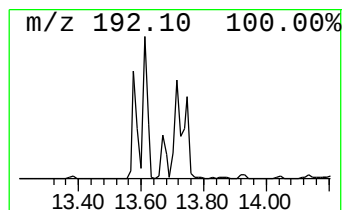
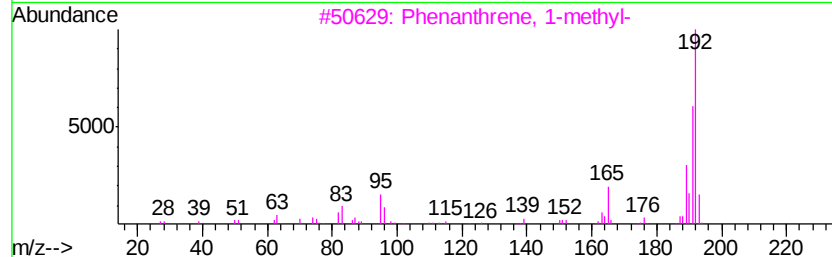
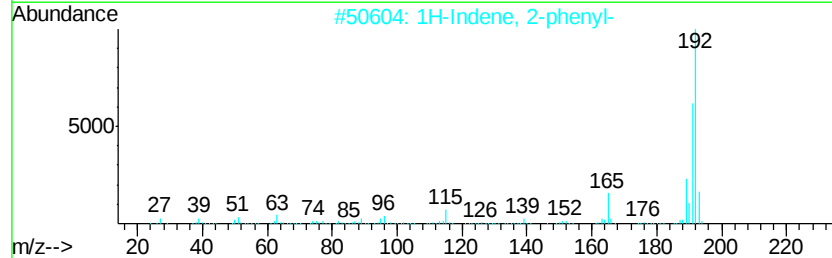
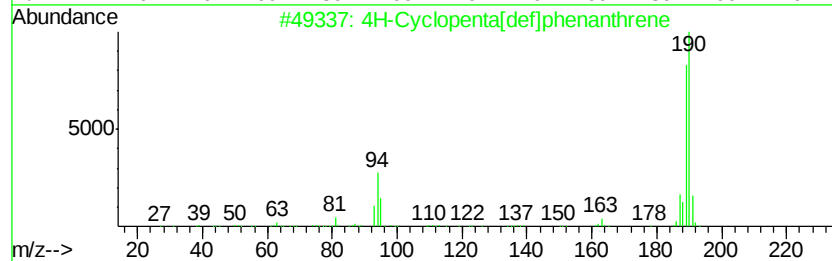
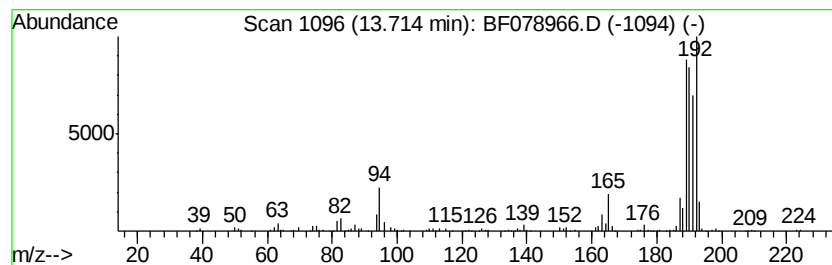
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	20.44 ng	779164	Phenanthrene-d10	12.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	46
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
4		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
5		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078966.D
Acq On : 6 May 2015 17:59
Operator : TP/IZ
Sample : G2114-13 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GRID-5(0-6)

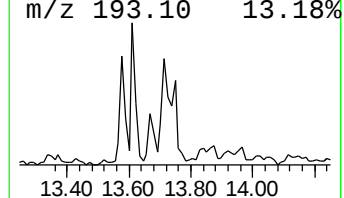
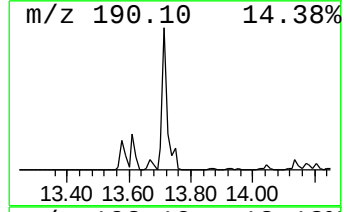
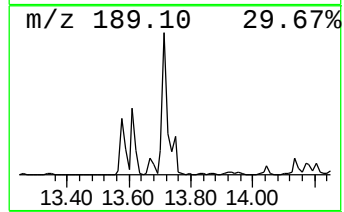
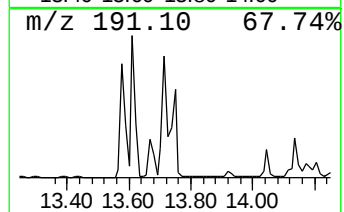
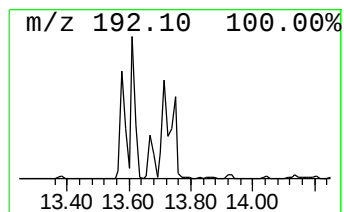
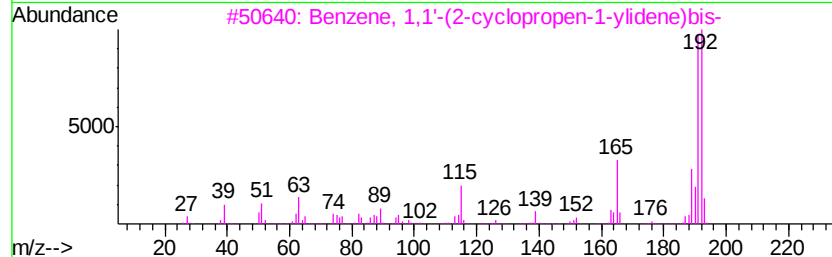
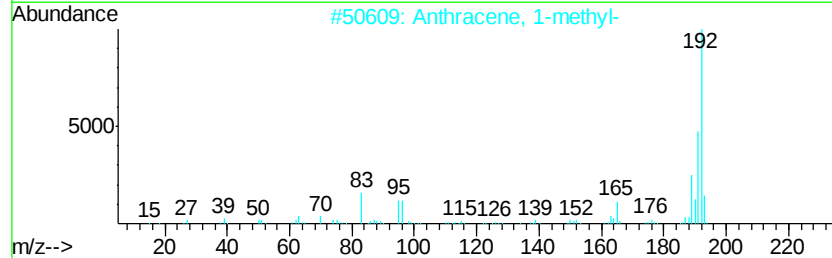
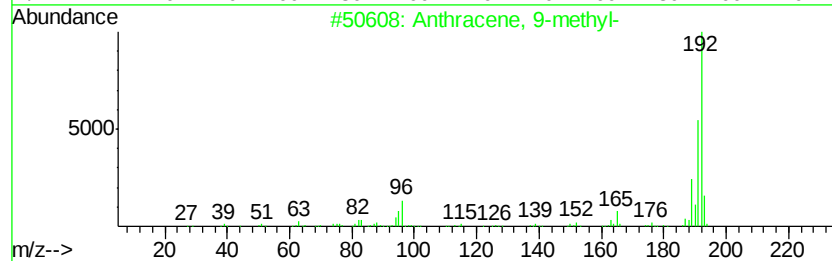
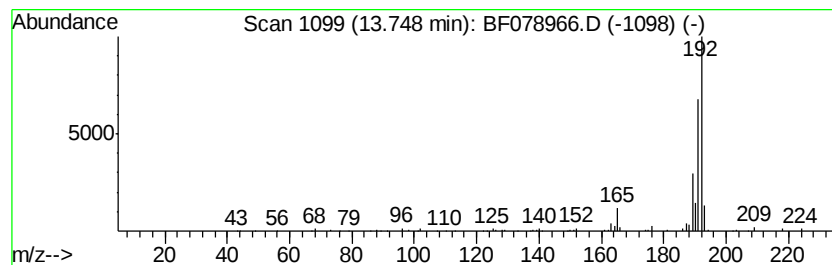
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Anthracene, 9-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	5.42 ng	206734	Phenanthrene-d10	12.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
3		Benzene, 1,1'-(2-cyclopropen-1-ylidene)bis-	192	C15H12	022825-21-4	87
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
Data File : BF078966.D
Acq On : 6 May 2015 17:59
Operator : TP/IZ
Sample : G2114-13 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GRID-5(0-6)

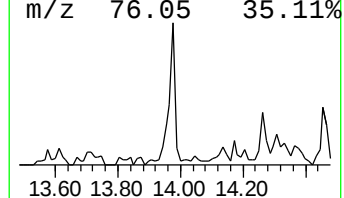
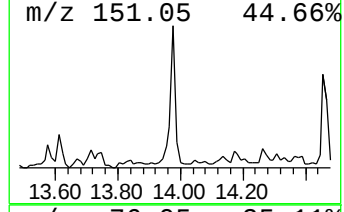
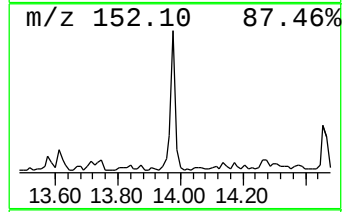
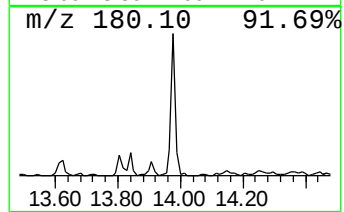
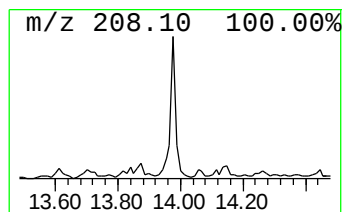
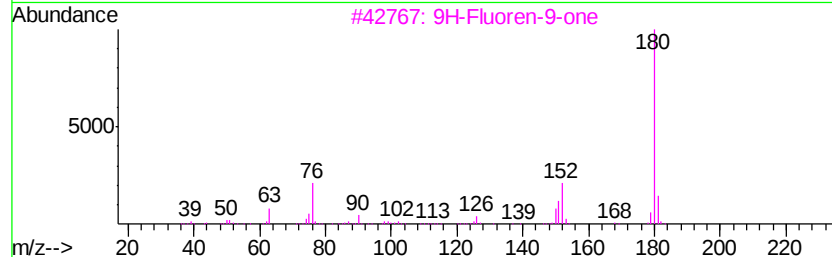
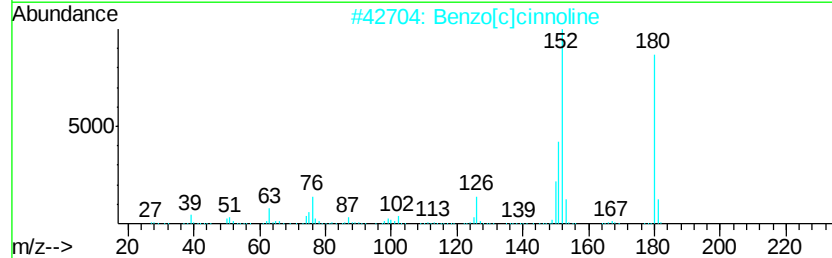
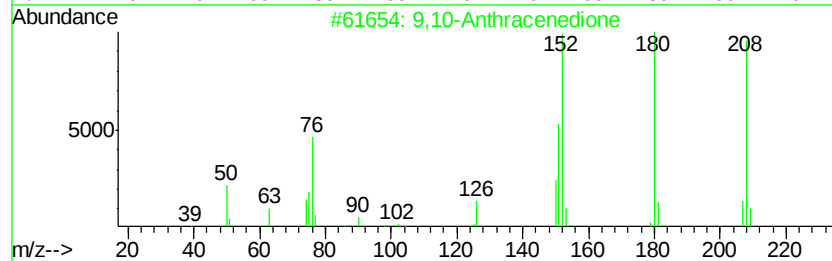
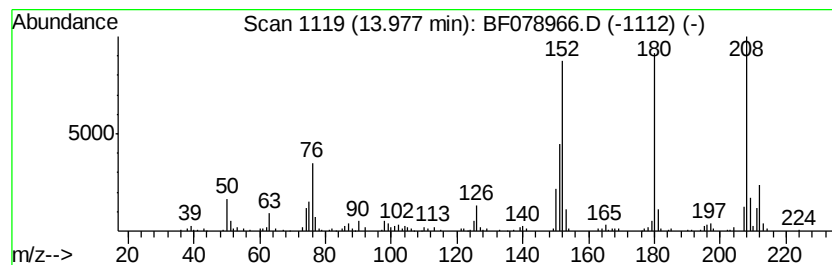
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	14.34 ng	546847	Phenanthrene-d10	12.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	95
3			9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
4			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55
5			1H-Phenalen-1-one	180	C13H8O	000548-39-0	55



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
Data File : BF078966.D
Acq On : 6 May 2015 17:59
Operator : TP/IZ
Sample : G2114-13 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

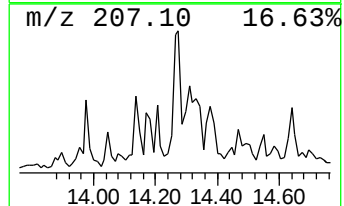
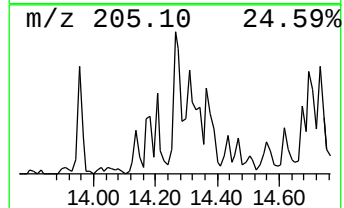
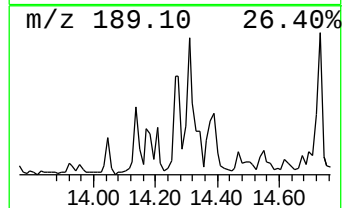
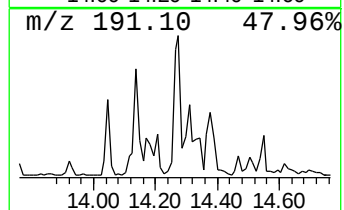
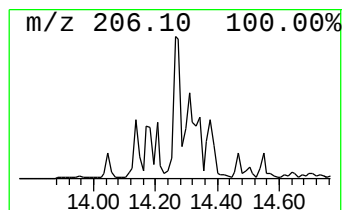
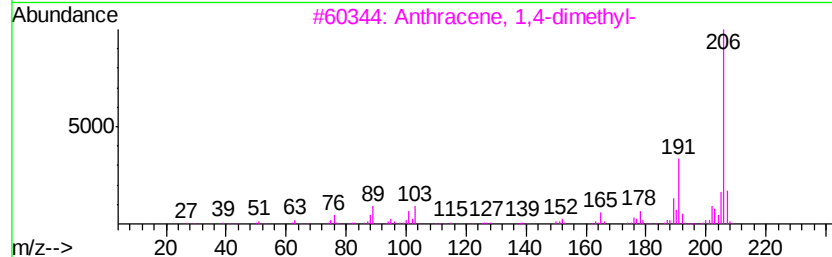
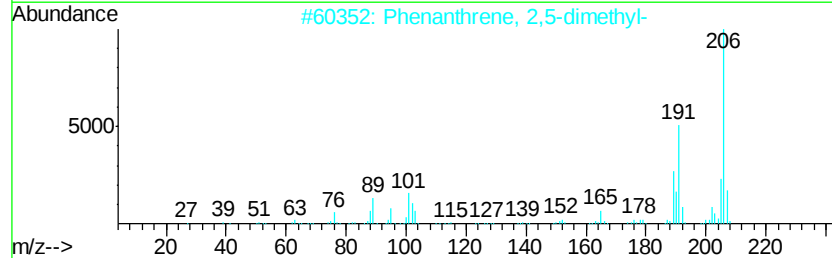
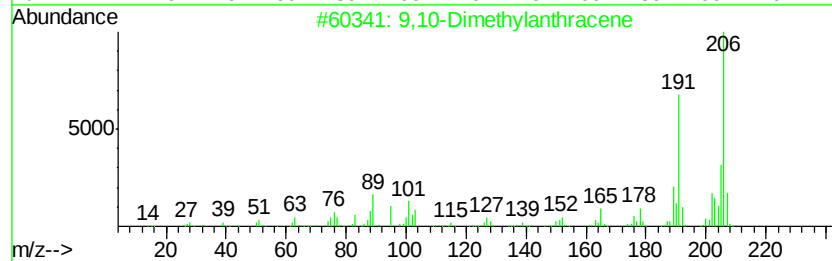
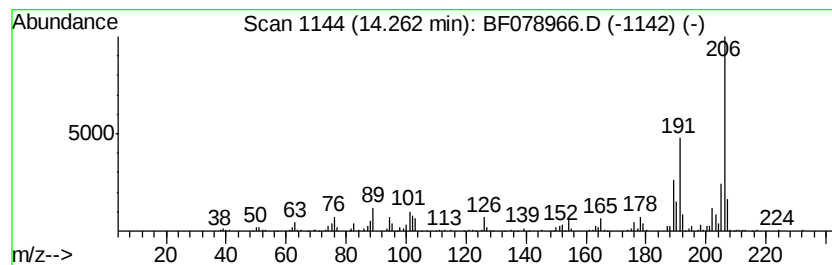
Instrument :
BNA_F
ClientSampleId :
GRID-5(0-6)

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 15 9,10-Dimethylantracene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.26	10.14 ng	386576	Phenanthrene-d10	12.95	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylantracene	206	C16H14	000781-43-1	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
Data File : BF078966.D
Acq On : 6 May 2015 17:59
Operator : TP/IZ
Sample : G2114-13 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GRID-5(0-6)

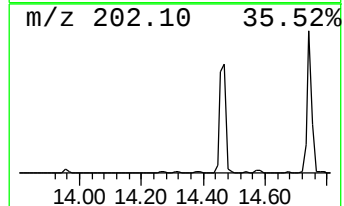
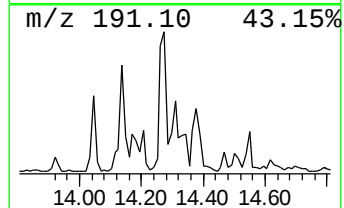
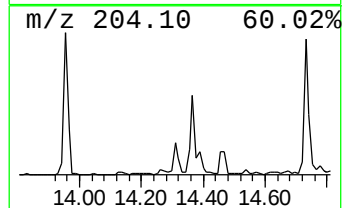
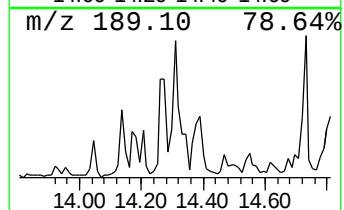
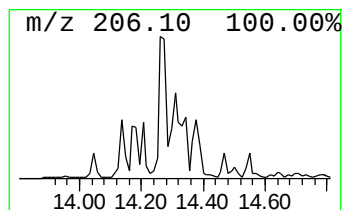
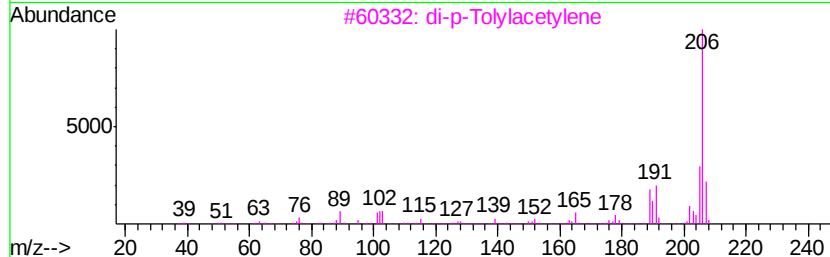
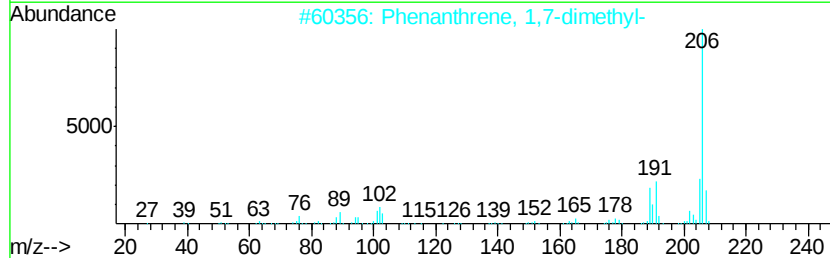
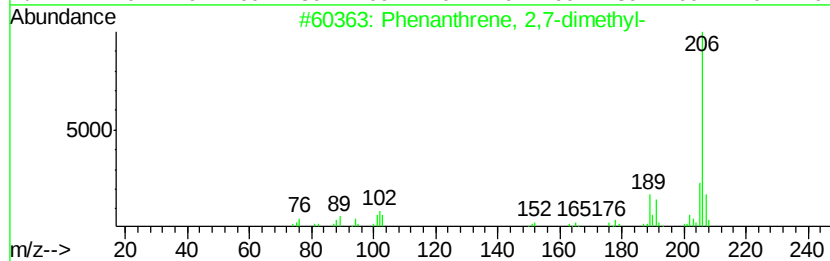
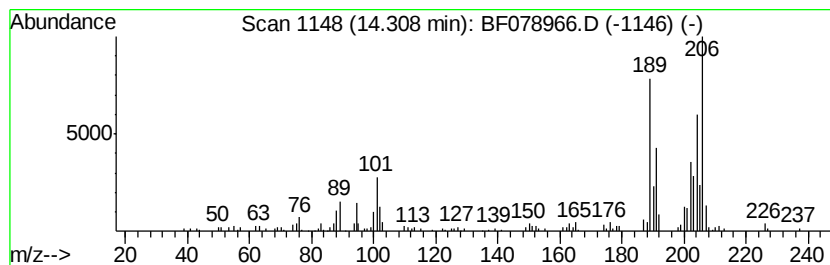
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Phenanthrene, 2,7-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	5.60 ng	213562	Phenanthrene-d10	12.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	58
2			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	58
3			di-p-Tolylacetylene	206	C16H14	002789-88-0	53
4			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	50
5			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078966.D
Acq On : 6 May 2015 17:59
Operator : TP/IZ
Sample : G2114-13 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GRID-5(0-6)

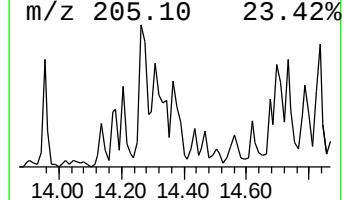
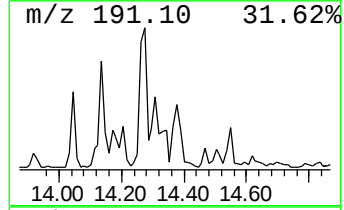
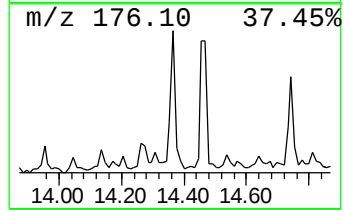
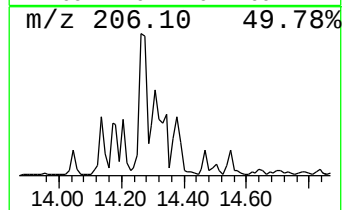
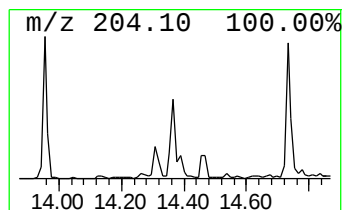
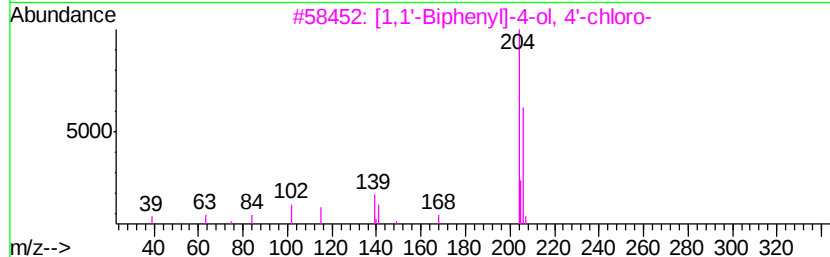
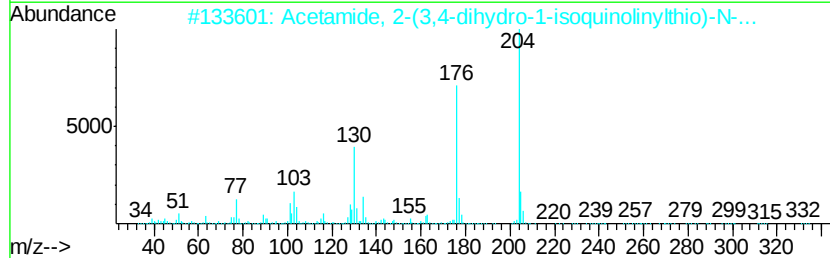
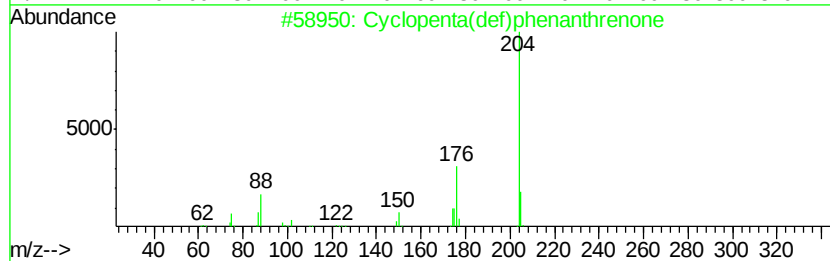
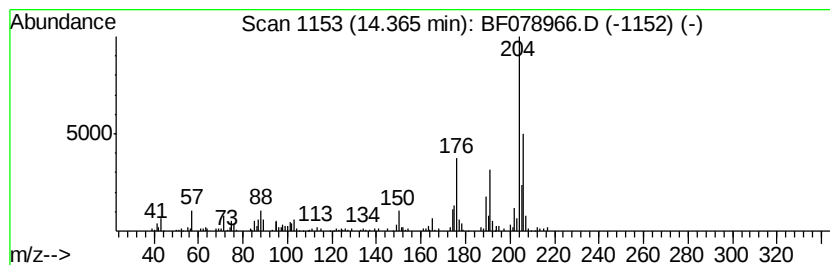
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.37	7.18 ng	273829	Phenanthrene-d10	12.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	78
2		Acetamide, 2-(3,4-dihydro-1-isoq...	332	C17H14F2N2OS	1000270-76-1	43
3		[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	40
4		Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	38
5		Mannose, 6-deoxy-2,3,4,5-tetraki...	452	C18H44O5Si4	019127-15-2	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078966.D
Acq On : 6 May 2015 17:59
Operator : TP/IZ
Sample : G2114-13 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GRID-5(0-6)

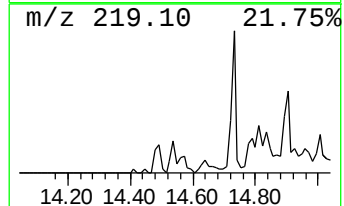
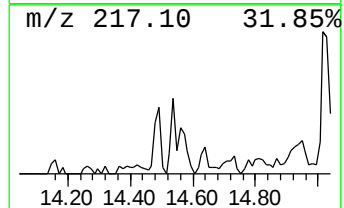
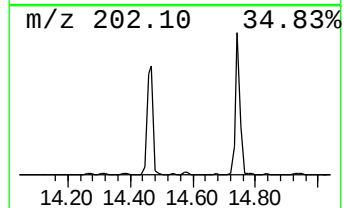
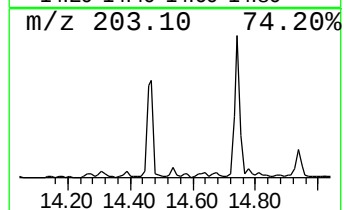
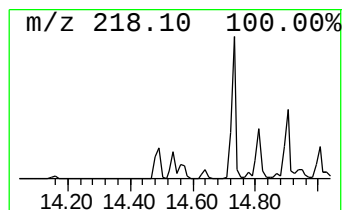
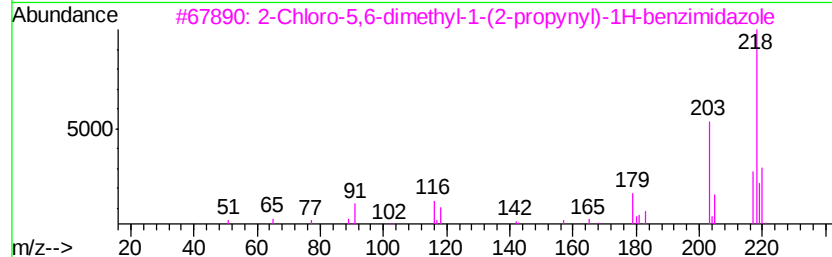
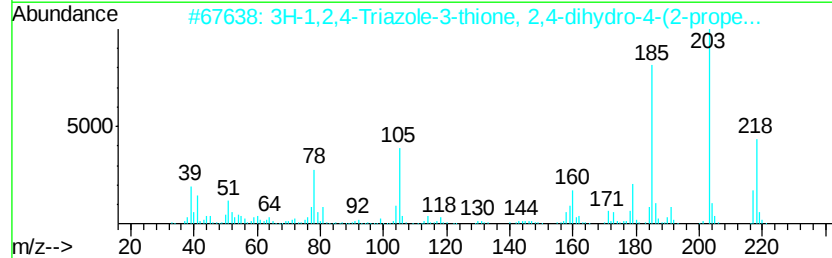
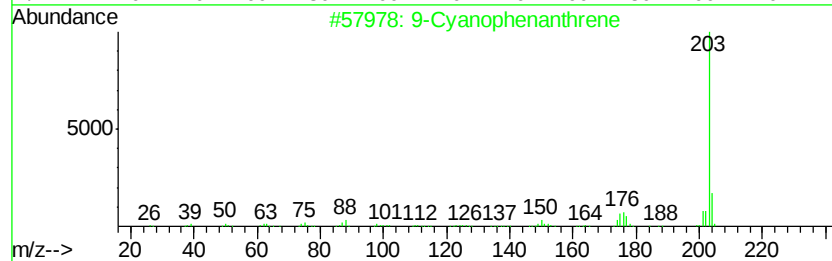
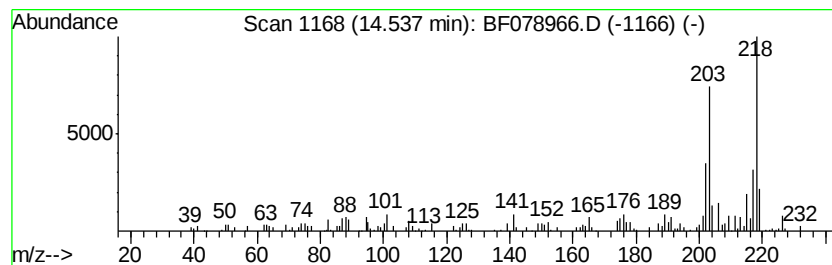
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 9-Cyanophenanthrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	3.84 ng	146551	Phenanthrene-d10	12.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9-Cyanophenanthrene	203	C15H9N	002510-55-6	74
2		3H-1,2,4-Triazole-3-thione, 2,4-...	218	C10H10N4S	091813-63-7	64
3		2-Chloro-5,6-dimethyl-1-(2-propyl-...	218	C12H11ClN2	080276-20-6	64
4		8-Amino-6,7-dimethoxy-4-methylqu...	218	C12H14N2O2	1000213-07-2	50
5		Anthracene, 9-(2-propenyl)-	218	C17H14	023707-65-5	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078966.D
Acq On : 6 May 2015 17:59
Operator : TP/IZ
Sample : G2114-13 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GRID-5(0-6)

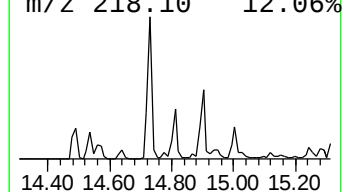
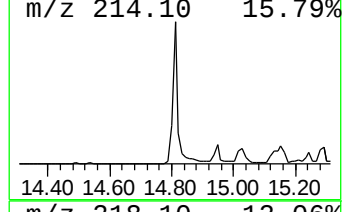
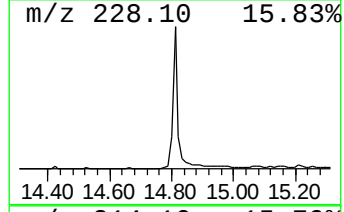
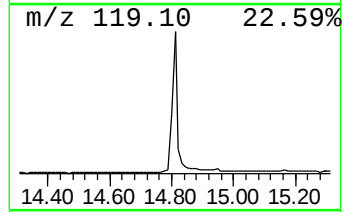
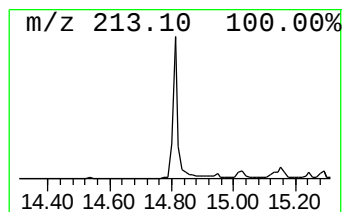
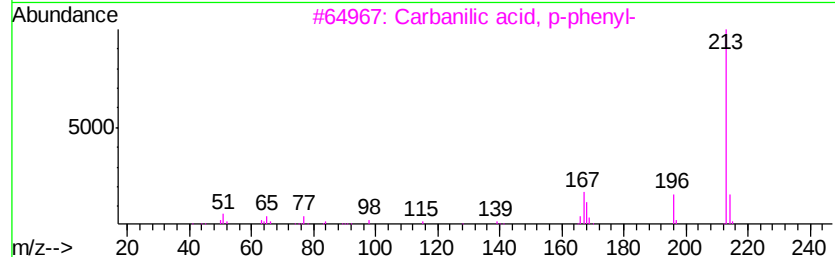
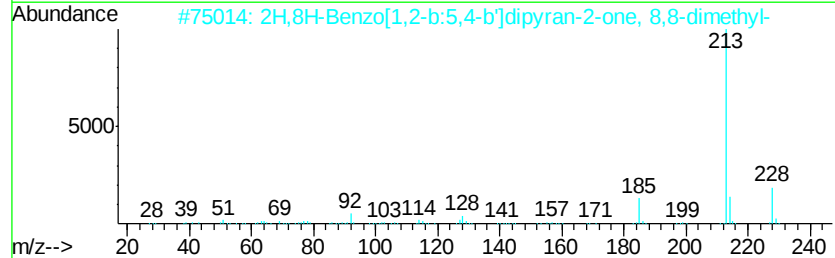
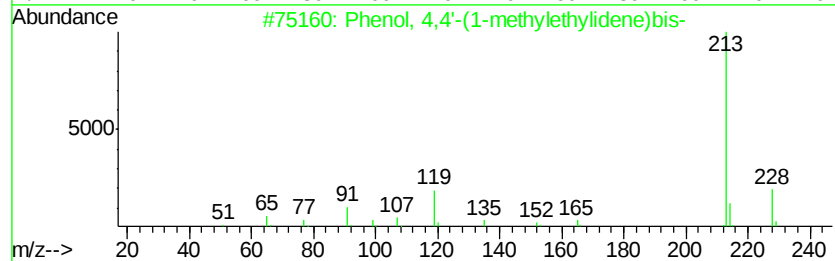
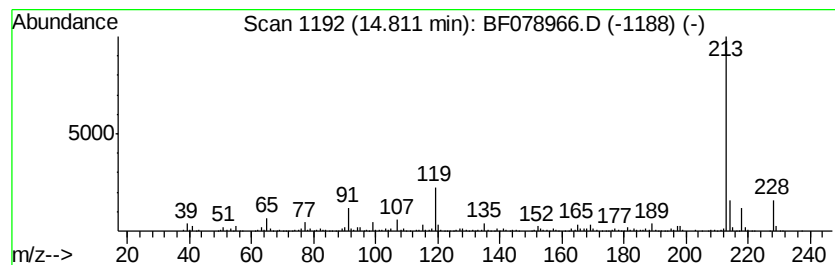
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Phenol, 4,4'-(1-methylethyl... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	7.85 ng	1067280	Chrysene-d12	16.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenol, 4,4'-(1-methylethylidene)bis-	228	C15H16O2	000080-05-7	97
2		2H,8H-Benzo[1,2-b:5,4-b']dipyran...	228	C14H12O3	000553-19-5	52
3		Carbanilic acid, p-phenyl-	213	C13H11NO2	004474-53-7	49
4		Trimethyl[5-(trimethylsilyl)-2-t...	228	C10H20SSi2	017906-71-7	40
5		2H,8H-Benzo[1,2-b:3,4-b']dipyran...	228	C14H12O3	000523-59-1	40



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
 Data File : BF078966.D
 Acq On : 6 May 2015 17:59
 Operator : TP/IZ
 Sample : G2114-13 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5(0-6)

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
Propane, 2,2-dime...	1.50	142.2	ng	3250330	1	7.35	457230	20.0
Butane, 2-methoxy...	1.83	6.6	ng	151837	1	7.35	457230	20.0
unknown7.06	7.06	30.8	ng	703033	1	7.35	457230	20.0
Dibenzothiophene	12.82	4.0	ng	152684	4	12.95	762553	20.0
Phenanthrene, 2-m...	13.58	12.0	ng	457885	4	12.95	762553	20.0
Phenanthrene, 1-m...	13.61	13.4	ng	509514	4	12.95	762553	20.0
1H-Cyclopropa[l]p...	13.67	5.7	ng	215500	4	12.95	762553	20.0
4H-Cyclopenta[def...	13.71	20.4	ng	779164	4	12.95	762553	20.0
Anthracene, 9-met...	13.75	5.4	ng	206734	4	12.95	762553	20.0
9,10-Anthracenedione	13.98	14.3	ng	546847	4	12.95	762553	20.0
9,10-Dimethylanthe...	14.26	10.1	ng	386576	4	12.95	762553	20.0
Phenanthrene, 2,7...	14.31	5.6	ng	213562	4	12.95	762553	20.0
Cyclopenta(def)ph...	14.37	7.2	ng	273829	4	12.95	762553	20.0
9-Cyanophenanthrene	14.54	3.8	ng	146551	4	12.95	762553	20.0
Phenol, 4,4'-(1-m...	14.81	7.8	ng	1067280	5	16.26	2718510	20.0