

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
 Data File : BF082330.D
 Acq On : 16 Oct 2015 17:20
 Operator : UM/IZ
 Sample : G4051-04 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TK1-3-20151015

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-BF101015.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	5.051	254	255	260	rBV	24670	33297	2.32%	0.217%
2	5.486	291	293	303	rVB	27762	45833	3.19%	0.299%
3	6.526	382	384	389	rBV	35392	40640	2.83%	0.265%
4	6.652	393	395	401	rVB	37036	55095	3.84%	0.359%
5	6.892	414	416	418	rBV	223048	275401	19.18%	1.796%
6	7.040	427	429	432	rBV	63998	56544	3.94%	0.369%
7	7.452	463	465	472	rBV	16282	24052	1.67%	0.157%
8	8.172	526	528	532	rBV	560885	490806	34.18%	3.201%
9	9.246	620	622	624	rBV	73791	59154	4.12%	0.386%
10	9.783	667	669	672	rBV	78461	82171	5.72%	0.536%
11	9.852	672	675	679	rVV	16088	21562	1.50%	0.141%
12	9.920	679	681	683	rVV	438367	571369	39.79%	3.726%
13	9.955	683	684	687	rVB	29904	28065	1.95%	0.183%
14	10.126	697	699	701	rBV	16454	20841	1.45%	0.136%
15	10.469	728	729	732	rVB	25045	27562	1.92%	0.180%
16	10.709	748	750	753	rBV2	73420	87315	6.08%	0.569%
17	11.018	774	777	779	rBV2	10265	17622	1.23%	0.115%
18	11.166	786	790	793	rBV3	11268	27061	1.88%	0.176%
19	11.223	793	795	797	rBV	45614	54713	3.81%	0.357%
20	11.269	797	799	800	rVB2	14522	18461	1.29%	0.120%
21	11.303	800	802	806	rVB	22421	34111	2.38%	0.222%
22	11.418	809	812	813	rBV	515556	926450	64.52%	6.042%
23	11.441	813	814	816	rVV	753375	549272	38.25%	3.582%
24	11.486	816	818	820	rVB	143350	129855	9.04%	0.847%
25	11.646	829	832	836	rBV2	62361	101870	7.09%	0.664%
26	11.749	839	841	843	rVB	16965	23095	1.61%	0.151%
27	11.806	843	846	850	rVB4	6809	18467	1.29%	0.120%
28	11.909	853	855	857	rBV	88116	131567	9.16%	0.858%
29	11.944	857	858	860	rVV	146653	111651	7.78%	0.728%
30	11.989	860	862	863	rVV	41215	34434	2.40%	0.225%
31	12.024	863	865	870	rVB2	150181	236837	16.49%	1.544%
32	12.206	880	881	882	rBV	67512	67995	4.74%	0.443%
33	12.241	882	884	887	rVB	87519	95137	6.63%	0.620%
34	12.355	892	894	896	rBV2	20006	28064	1.95%	0.183%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101715\
 Data File : BF082330.D
 Acq On : 16 Oct 2015 17:20
 Operator : UM/IZ
 Sample : G4051-04 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TK1-3-20151015

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-BF101015.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.389	896	897	898	rVB	27323	18744	1.31%	0.122%
36	12.412	898	899	901	rVB	21325	18511	1.29%	0.121%
37	12.469	901	904	905	rBV	50807	78434	5.46%	0.511%
38	12.504	905	907	910	rVV2	32215	64000	4.46%	0.417%
39	12.549	910	911	916	rVB	77886	93531	6.51%	0.610%
40	12.629	916	918	921	rBV	1314810	1188153	82.74%	7.748%
41	12.698	921	924	925	rVB2	21829	37324	2.60%	0.243%
42	12.721	925	926	928	rVB	34389	38092	2.65%	0.248%
43	12.778	928	931	935	rVB4	37864	85247	5.94%	0.556%
44	12.858	935	938	941	rBV2	774921	1211455	84.37%	7.900%
45	12.915	941	943	946	rVB	56331	70583	4.92%	0.460%
46	13.007	946	951	955	rBV3	215379	328054	22.85%	2.139%
47	13.087	955	958	960	rBV2	74681	125426	8.73%	0.818%
48	13.201	964	968	970	rVB2	73436	164380	11.45%	1.072%
49	13.269	972	974	975	rVB	36233	27707	1.93%	0.181%
50	13.304	975	977	981	rVB	106931	145091	10.10%	0.946%
51	13.407	984	986	987	rBV	48132	48995	3.41%	0.320%
52	13.441	987	989	993	rVB2	44711	74736	5.20%	0.487%
53	13.521	993	996	999	rVB3	11178	25753	1.79%	0.168%
54	13.601	1001	1003	1006	rBV4	19606	53052	3.69%	0.346%
55	13.738	1013	1015	1018	rBV	100147	111613	7.77%	0.728%
56	13.795	1018	1020	1022	rVB3	14813	18933	1.32%	0.123%
57	13.852	1022	1025	1026	rBV	91187	113437	7.90%	0.740%
58	13.887	1026	1028	1029	rVV	76408	96667	6.73%	0.630%
59	13.909	1029	1030	1033	rVV2	65919	101516	7.07%	0.662%
60	13.955	1033	1034	1039	rVB	85284	130122	9.06%	0.849%
61	14.047	1039	1042	1044	rBV2	12115	23566	1.64%	0.154%
62	14.127	1044	1049	1051	rBV2	807422	1435961	100.00%	9.364%
63	14.161	1051	1052	1056	rVB	417141	380496	26.50%	2.481%
64	14.241	1058	1059	1062	rVB	37056	29506	2.05%	0.192%
65	14.310	1062	1065	1067	rBV3	18087	50313	3.50%	0.328%
66	14.390	1071	1072	1073	rVB	26973	18962	1.32%	0.124%
67	14.481	1078	1080	1082	rVV2	12563	21740	1.51%	0.142%
68	14.515	1082	1083	1084	rVV	25345	30958	2.16%	0.202%
69	14.561	1085	1087	1089	rVV	96044	121590	8.47%	0.793%
70	14.607	1089	1091	1093	rVV2	45656	79843	5.56%	0.521%
71	14.664	1093	1096	1098	rVV3	37024	75787	5.28%	0.494%

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
 Data File : BF082330.D
 Acq On : 16 Oct 2015 17:20
 Operator : UM/IZ
 Sample : G4051-04 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TK1-3-20151015

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-BF101015.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.698	1098	1099	1104	rVV2	38976	95004	6.62%	0.620%
73	14.790	1106	1107	1111	rVB2	26397	29352	2.04%	0.191%
74	14.915	1116	1118	1120	rBV3	22834	36157	2.52%	0.236%
75	15.007	1124	1126	1127	rBV2	15302	22076	1.54%	0.144%
76	15.110	1131	1135	1139	rBV3	34455	79236	5.52%	0.517%
77	15.190	1139	1142	1144	rBV2	19744	33504	2.33%	0.218%
78	15.281	1147	1150	1155	rBV	413440	883753	61.54%	5.763%
79	15.384	1157	1159	1161	rVB	84032	89783	6.25%	0.585%
80	15.418	1161	1162	1165	rVB3	13238	22381	1.56%	0.146%
81	15.498	1165	1169	1171	rBV4	23244	73682	5.13%	0.480%
82	15.578	1174	1176	1180	rVV	224717	330142	22.99%	2.153%
83	15.647	1180	1182	1185	rVV	333684	412478	28.72%	2.690%
84	15.715	1185	1188	1189	rVV	369650	573654	39.95%	3.741%
85	15.738	1189	1190	1194	rVB2	105186	150733	10.50%	0.983%
86	16.024	1213	1215	1218	rVB	11907	17574	1.22%	0.115%
87	16.195	1228	1230	1232	rBV3	10873	18788	1.31%	0.123%
88	16.744	1276	1278	1280	rBV3	12276	24963	1.74%	0.163%
89	17.018	1296	1302	1309	rBV4	29451	134785	9.39%	0.879%
90	17.178	1313	1316	1322	rBV2	145957	307880	21.44%	2.008%
91	17.270	1322	1324	1329	rVB2	13593	27361	1.91%	0.178%
92	17.361	1329	1332	1334	rBV	26746	57408	4.00%	0.374%
93	17.418	1334	1337	1339	rVV	21255	31888	2.22%	0.208%
94	17.624	1351	1355	1365	rVB	130734	291601	20.31%	1.902%
95	17.864	1373	1376	1383	rVB2	24648	68984	4.80%	0.450%
96	18.196	1403	1405	1411	rVB7	6003	17547	1.22%	0.114%
97	19.876	1547	1552	1560	rVB3	24621	103862	7.23%	0.677%
98	20.070	1565	1569	1573	rBV	12988	40609	2.83%	0.265%
99	20.996	1646	1650	1652	rBV2	9891	27686	1.93%	0.181%
100	21.087	1656	1658	1667	rVB2	18437	67231	4.68%	0.438%

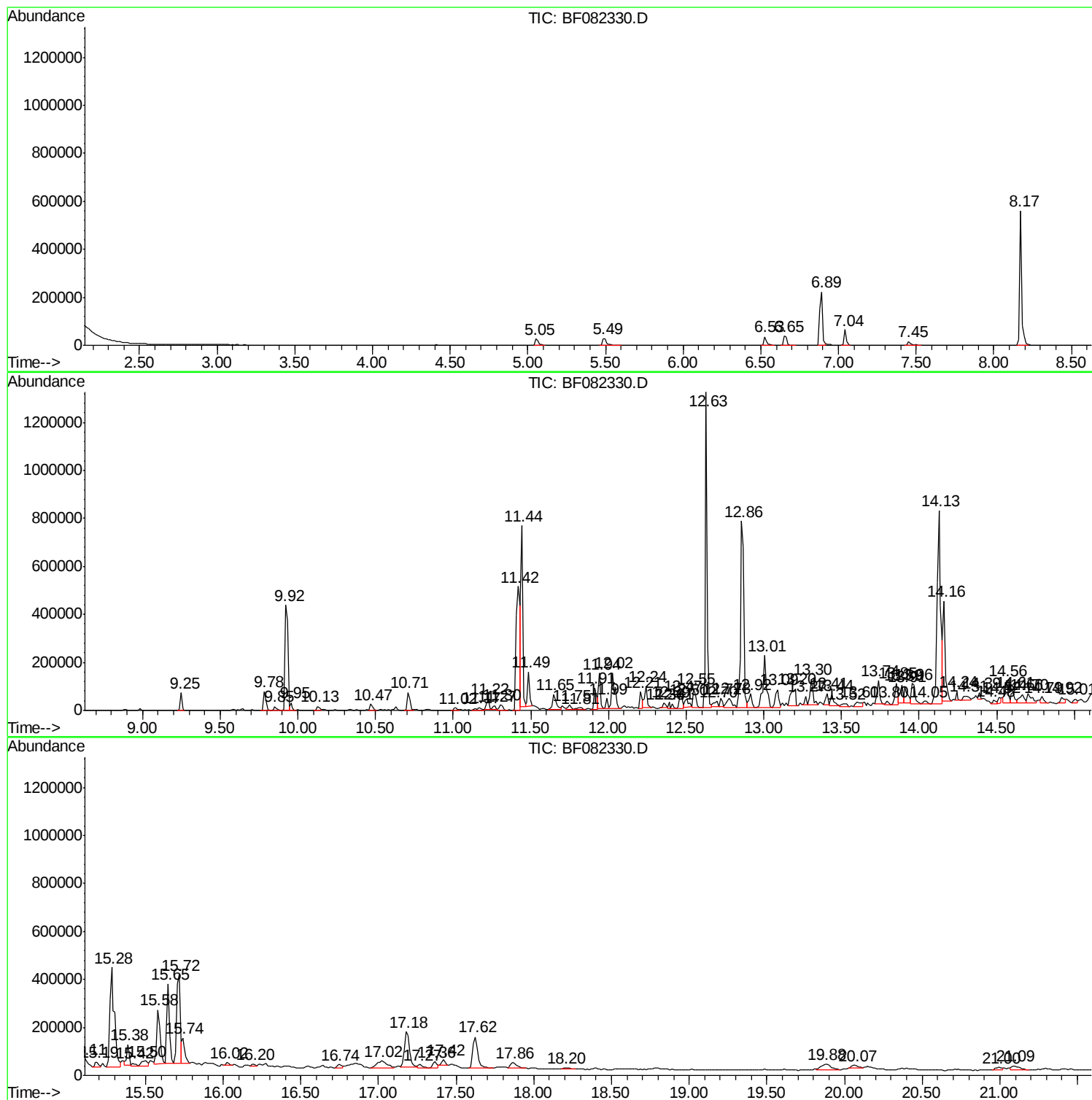
Sum of corrected areas: 15334749

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082330.D
Acq On : 16 Oct 2015 17:20
Operator : UM/IZ
Sample : G4051-04 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TK1-3-20151015

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.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\BF101715\
Data File : BF082330.D
Acq On : 16 Oct 2015 17:20
Operator : UM/IZ
Sample : G4051-04 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TK1-3-20151015

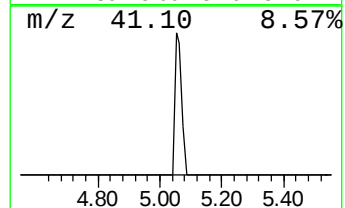
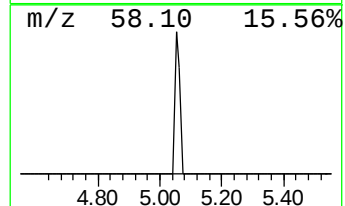
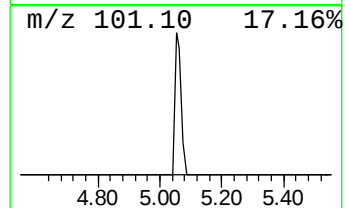
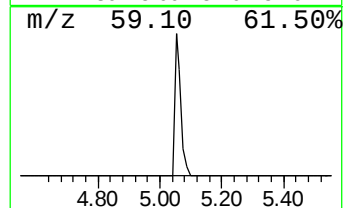
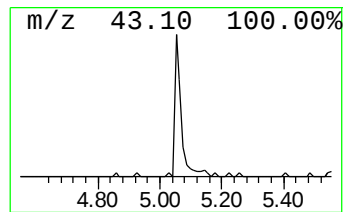
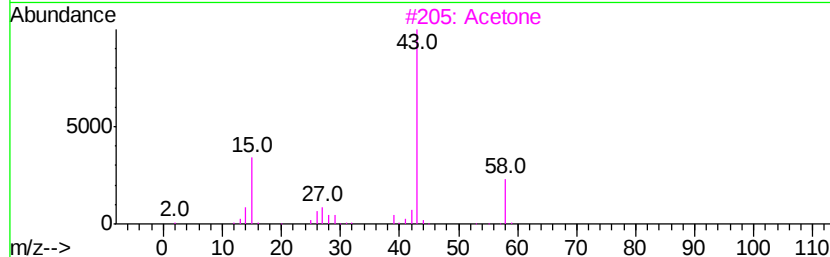
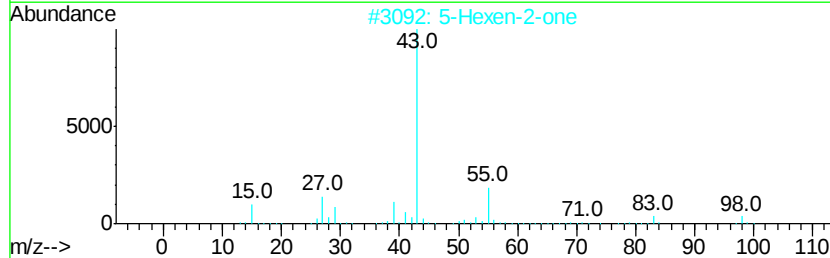
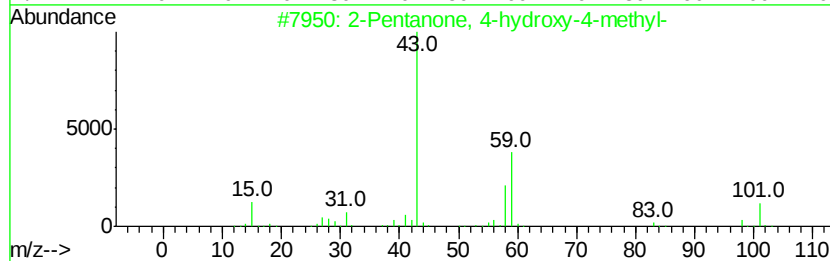
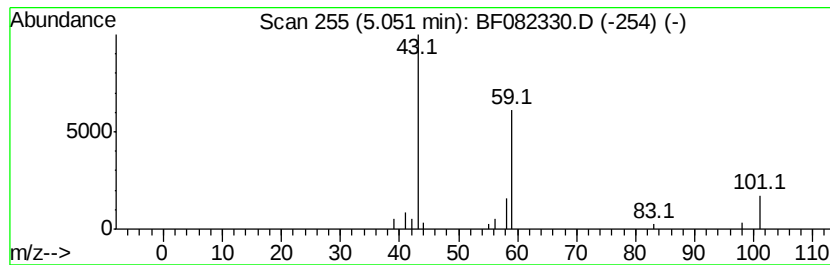
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	2.42 ng	33297	1,4-Dichlorobenzene-d4	6.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		5-Hexen-2-one	98	C6H10O	000109-49-9	9
3		Acetone	58	C3H6O	000067-64-1	9
4		1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9
5		2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101715\
Data File : BF082330.D
Acq On : 16 Oct 2015 17:20
Operator : UM/IZ
Sample : G4051-04 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TK1-3-20151015

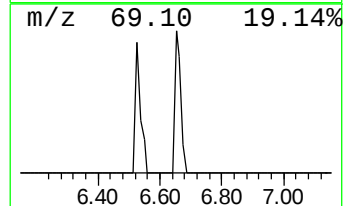
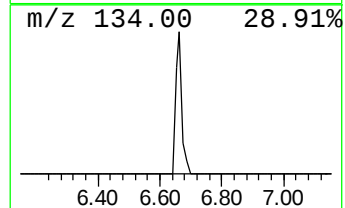
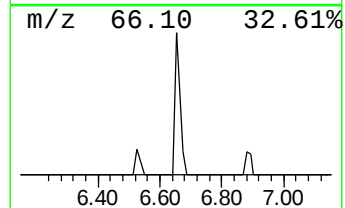
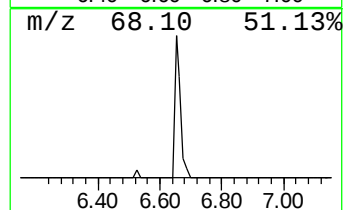
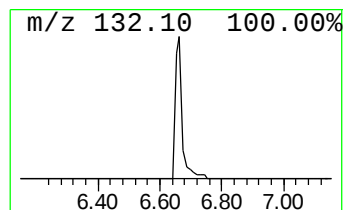
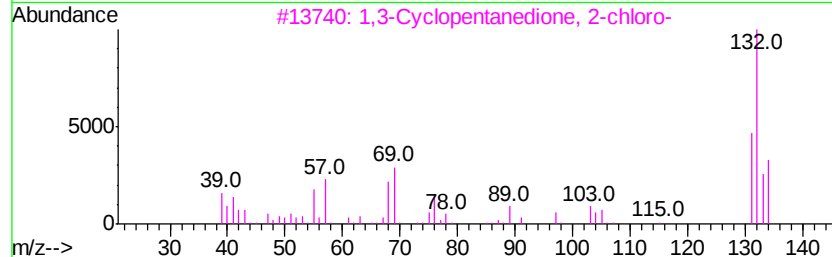
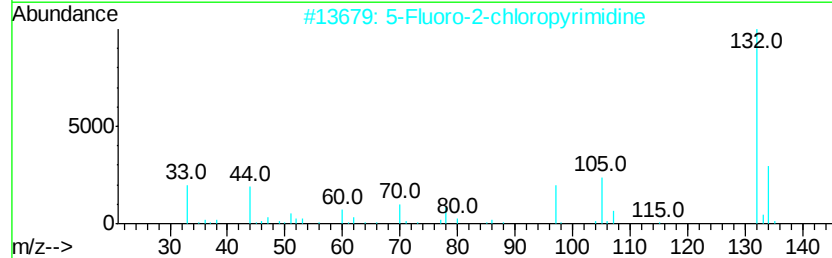
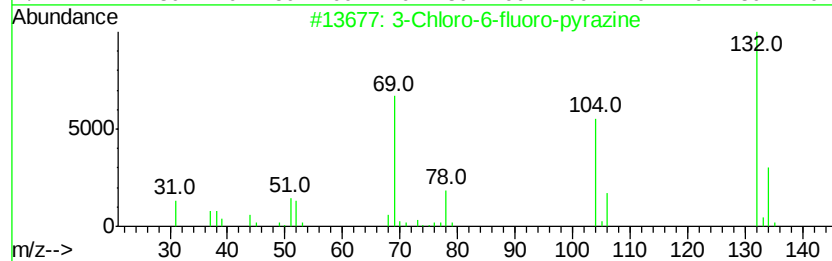
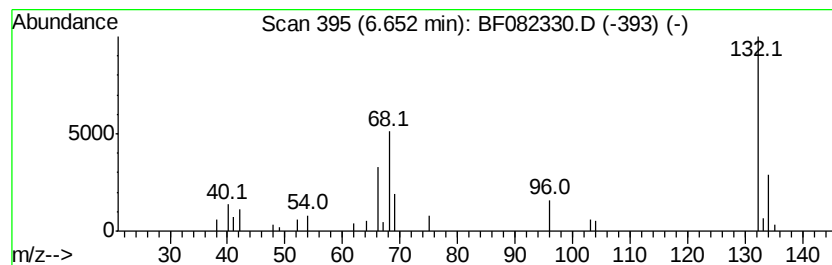
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.65 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	4.00 ng	55095	1,4-Dichlorobenzene-d4	6.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	27
3		1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	17
4		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
5		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	16



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082330.D
Acq On : 16 Oct 2015 17:20
Operator : UM/IZ
Sample : G4051-04 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TK1-3-20151015

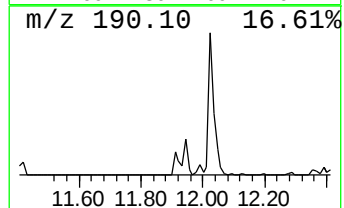
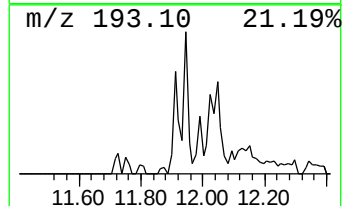
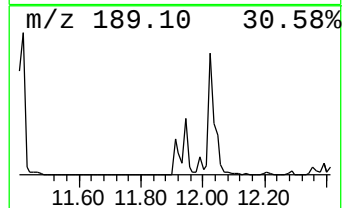
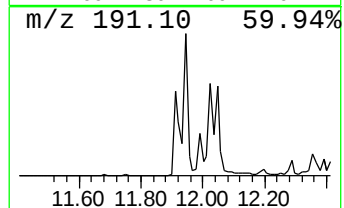
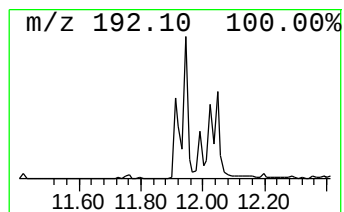
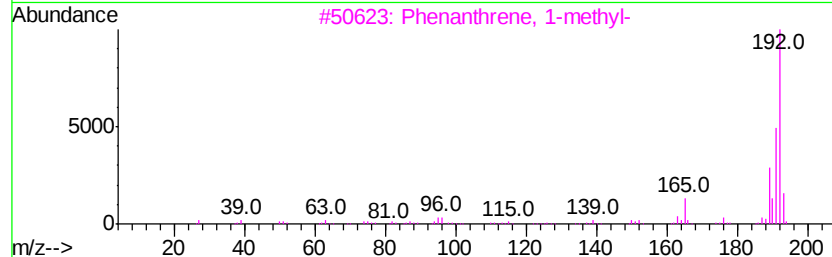
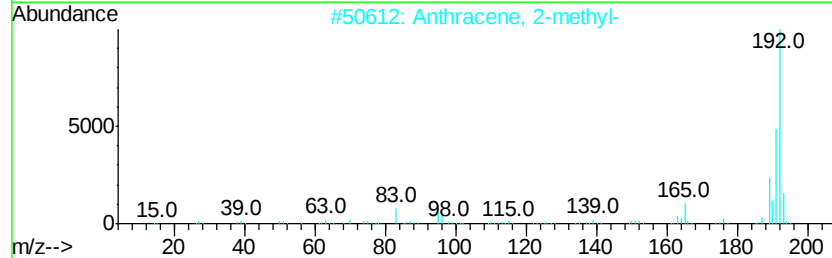
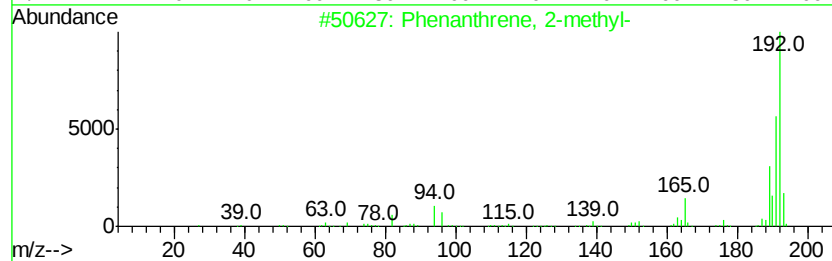
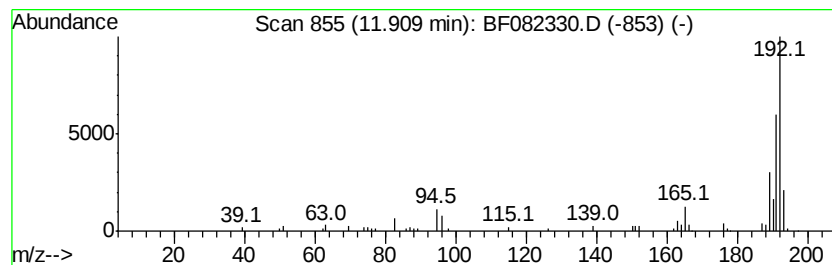
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	2.84 ng	131567	Phenanthrene-d10	11.42

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101715\
Data File : BF082330.D
Acq On : 16 Oct 2015 17:20
Operator : UM/IZ
Sample : G4051-04 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TK1-3-20151015

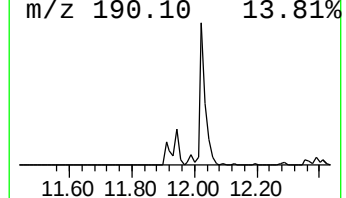
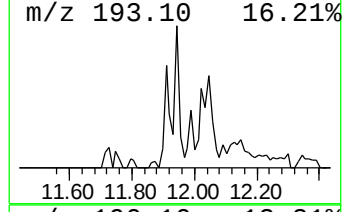
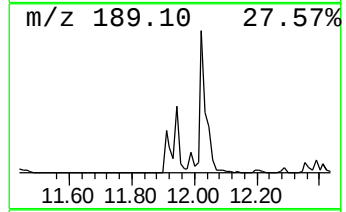
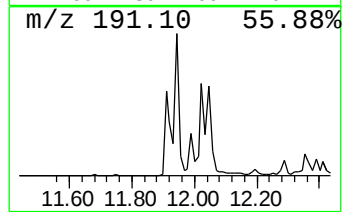
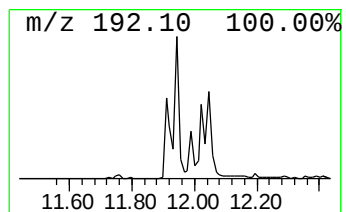
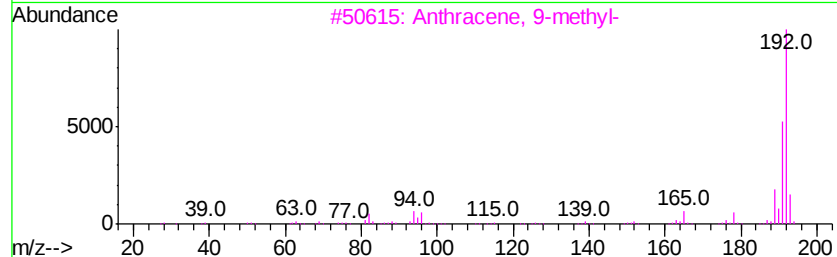
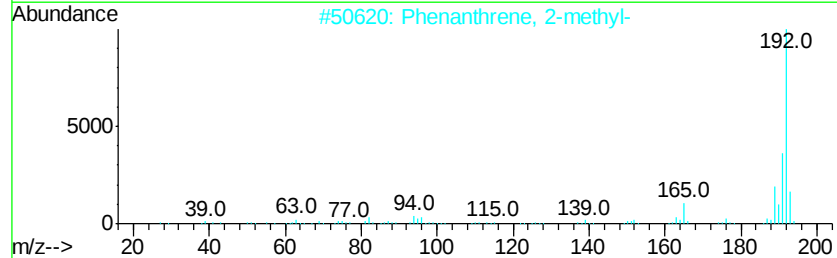
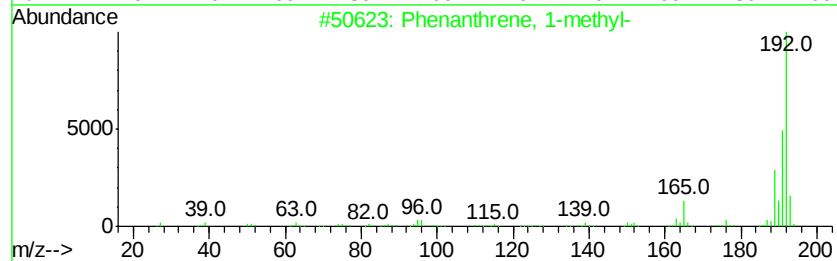
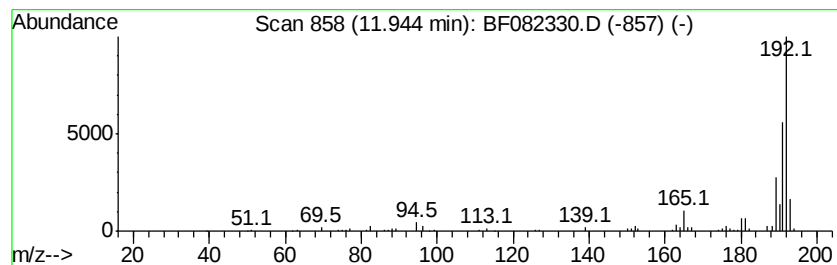
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	2.41 ng	111651	Phenanthrene-d10	11.42

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, 9-methyl-	192	C15H12	000779-02-2	95
4		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082330.D
Acq On : 16 Oct 2015 17:20
Operator : UM/IZ
Sample : G4051-04 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

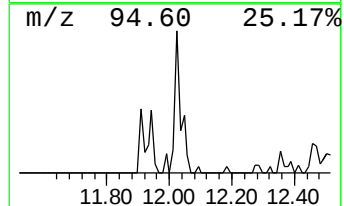
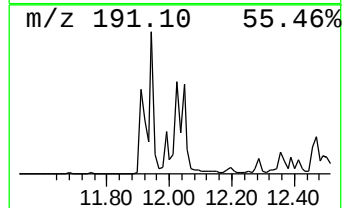
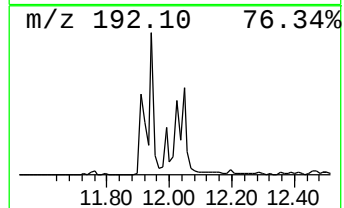
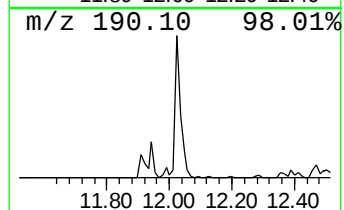
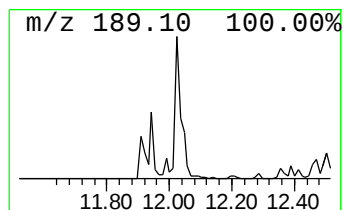
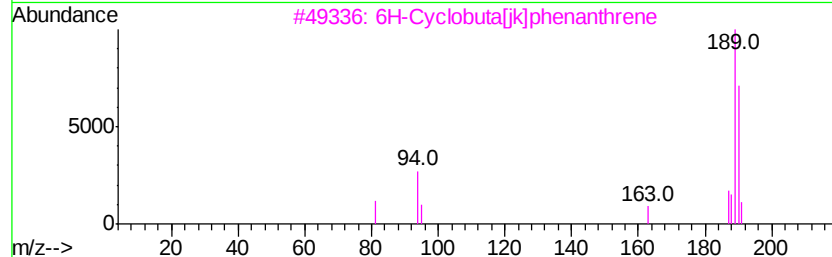
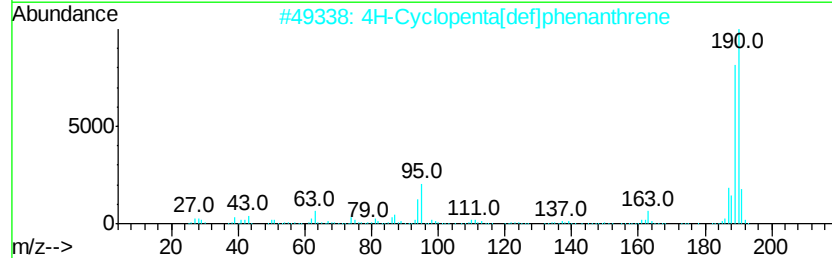
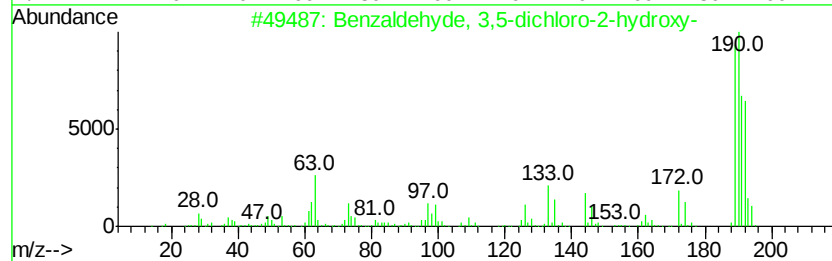
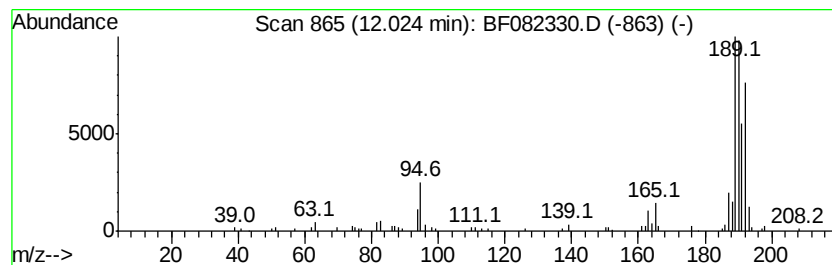
Instrument :
BNA_F
ClientSampleId :
TK1-3-20151015

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzaldehyde, 3,5-dichloro-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.02	5.11 ng	236837	Phenanthrene-d10	11.42	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
3	6H-Cyclobuta[i]kphenanthrene	190	C15H10	083469-43-6	49
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101715\
Data File : BF082330.D
Acq On : 16 Oct 2015 17:20
Operator : UM/IZ
Sample : G4051-04 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TK1-3-20151015

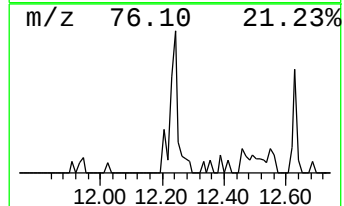
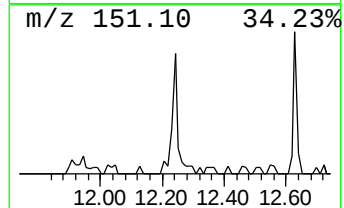
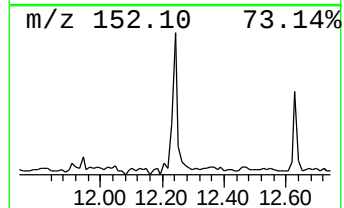
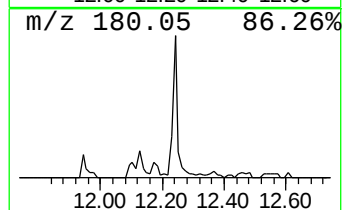
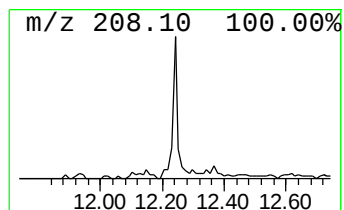
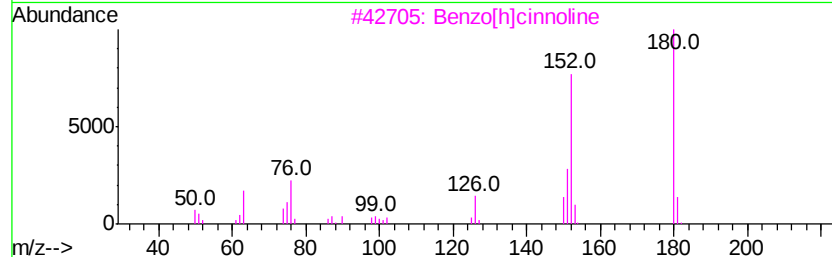
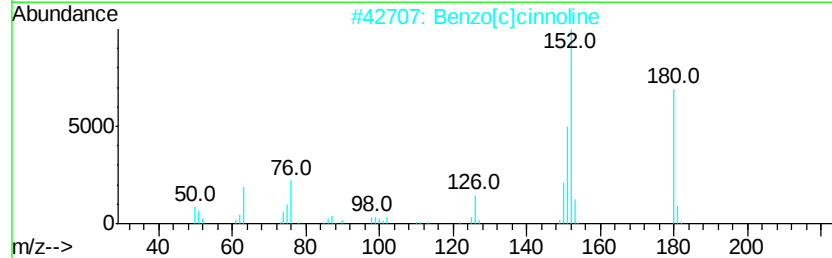
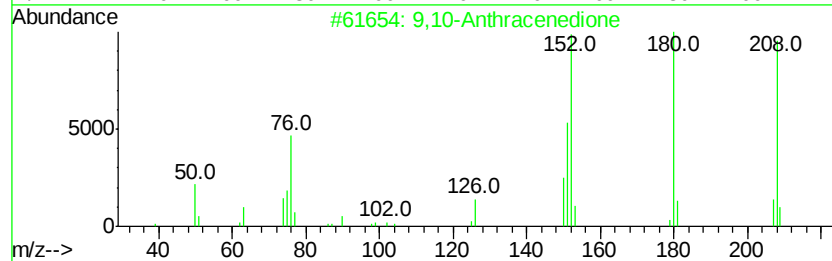
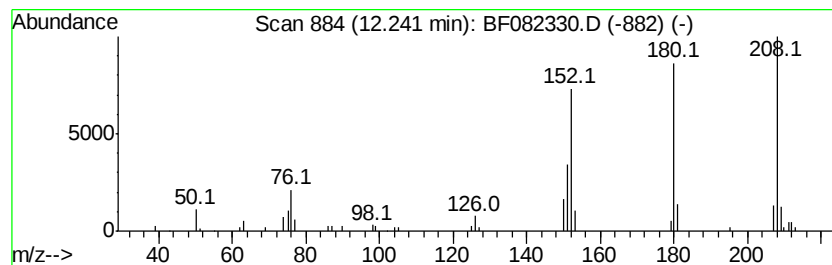
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	2.05 ng	95137	Phenanthrene-d10	11.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	64
4		1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
5		1,4-Anthracenedione	208	C14H8O2	000635-12-1	62



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082330.D
Acq On : 16 Oct 2015 17:20
Operator : UM/IZ
Sample : G4051-04 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TK1-3-20151015

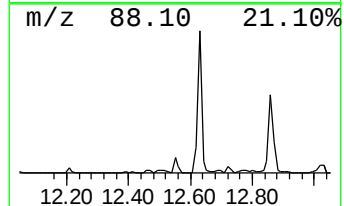
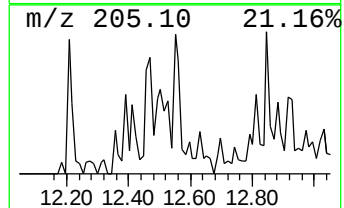
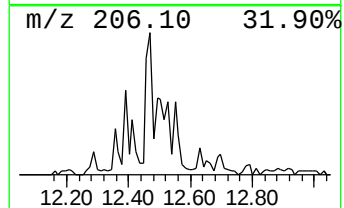
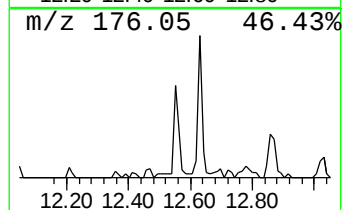
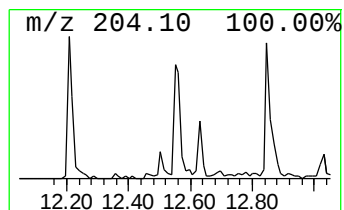
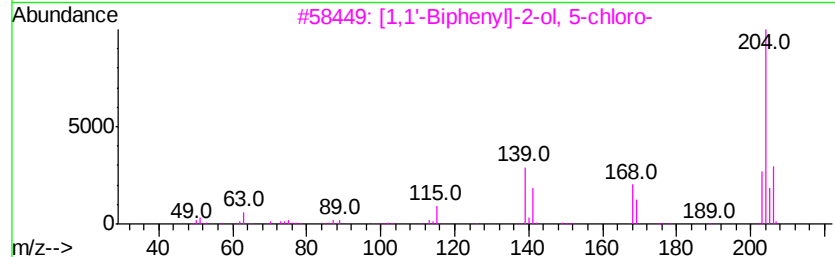
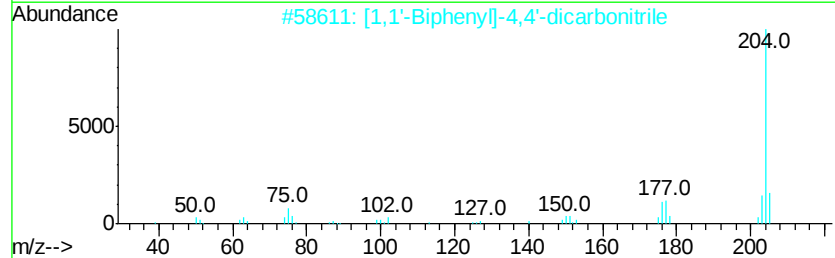
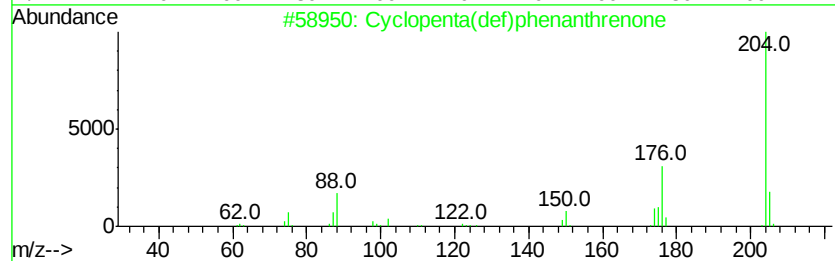
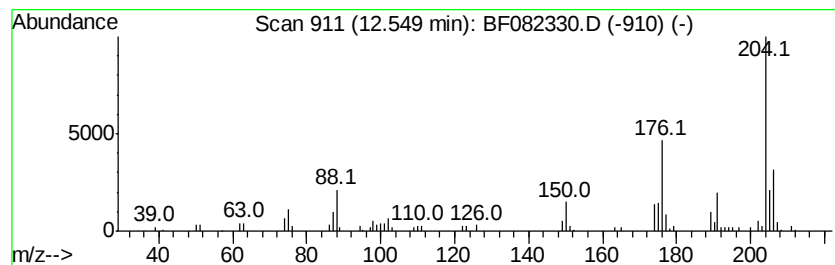
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	2.02 ng	93531	Phenanthrene-d10	11.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	46
3		[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
4		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	38
5		[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082330.D
Acq On : 16 Oct 2015 17:20
Operator : UM/IZ
Sample : G4051-04 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TK1-3-20151015

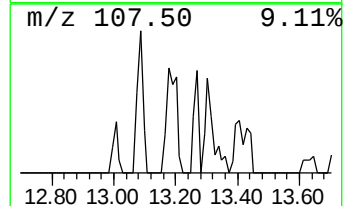
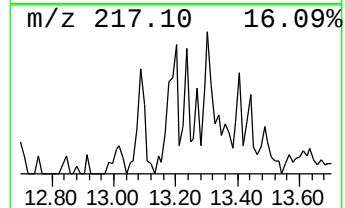
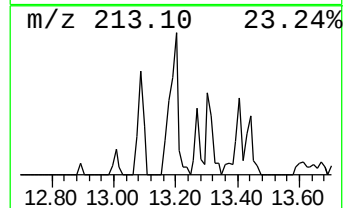
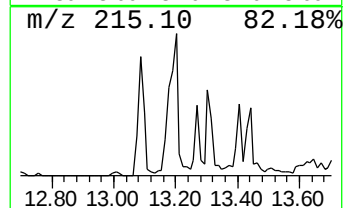
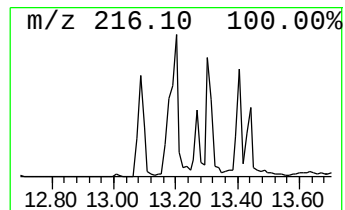
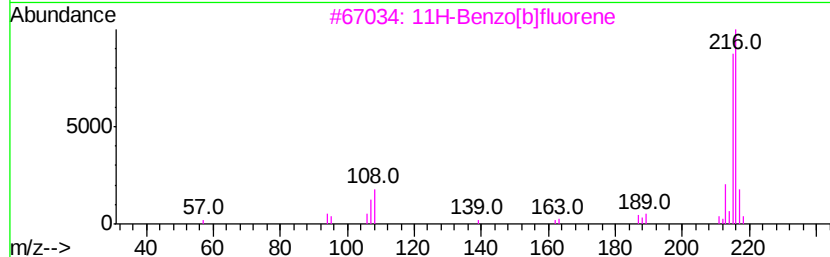
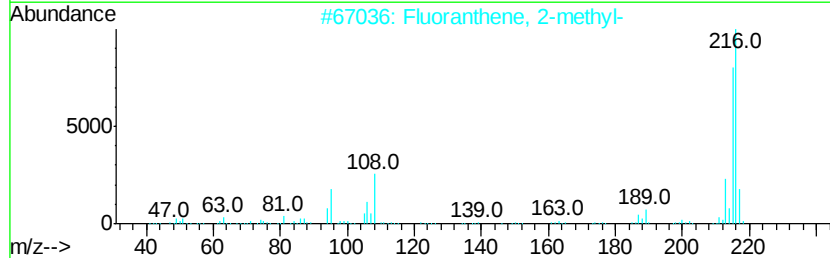
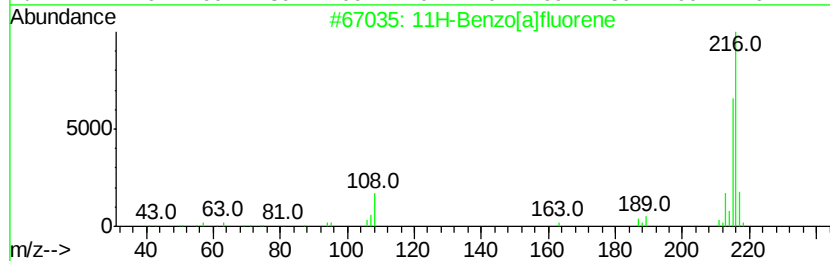
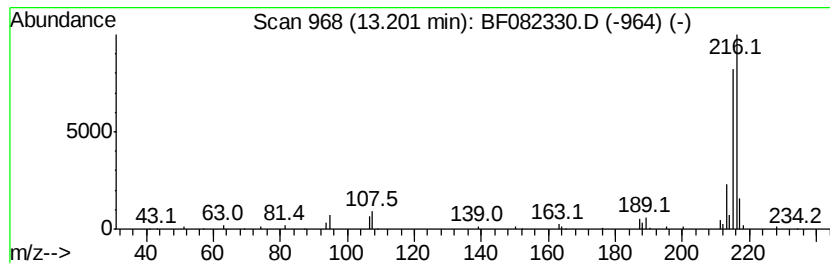
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 11H-Benzo[a]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	2.29 ng	164380	Chrysene-d12	14.13

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4		Pvrene, 1-methyl-	216	C17H12	002381-21-7	90
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082330.D
Acq On : 16 Oct 2015 17:20
Operator : UM/IZ
Sample : G4051-04 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

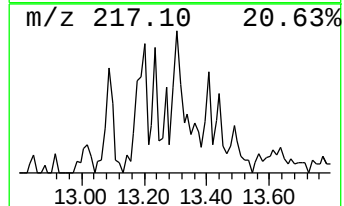
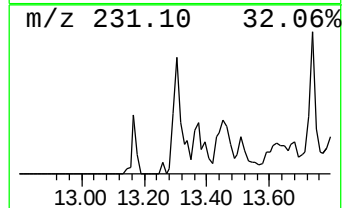
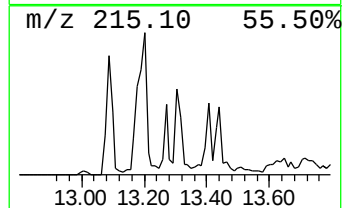
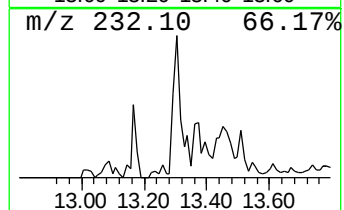
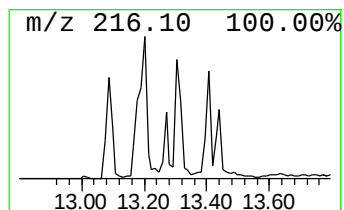
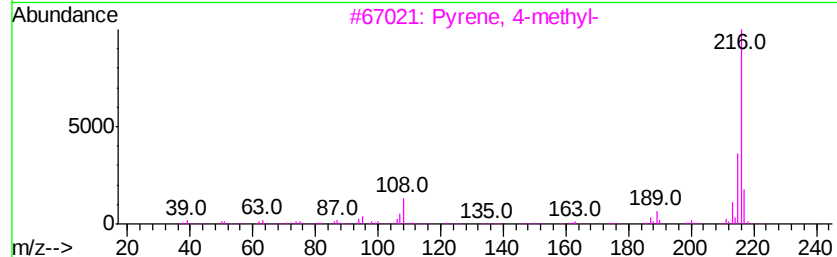
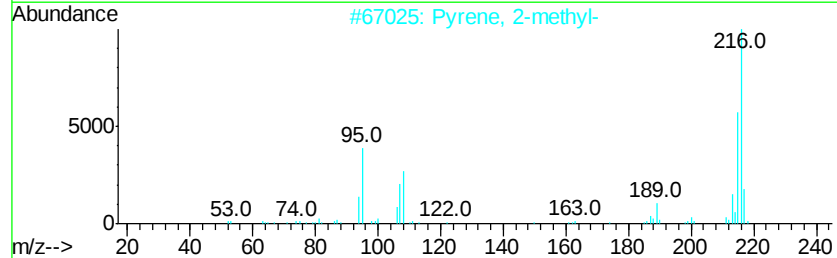
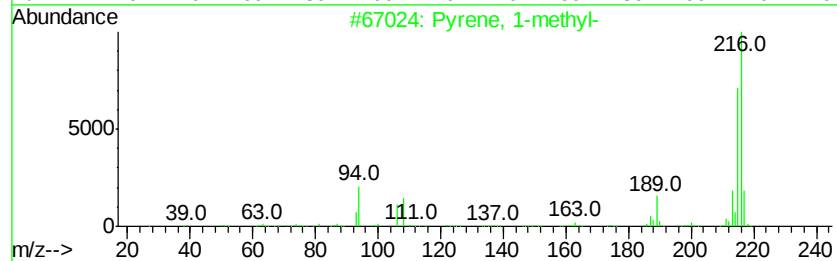
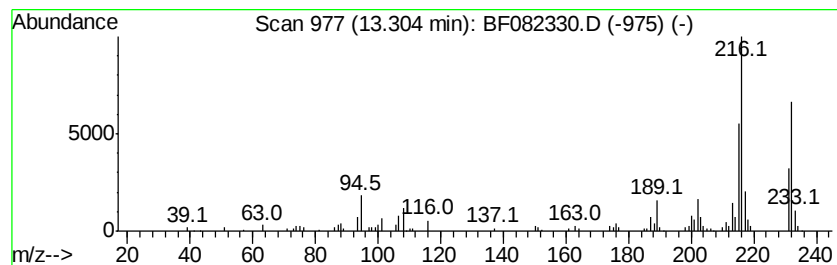
Instrument :
BNA_F
ClientSampleId :
TK1-3-20151015

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	2.02 ng	145091	Chrysene-d12	14.13
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pyrene, 1-methyl-	216 C17H12	002381-21-7 95
2		Pyrene, 2-methyl-	216 C17H12	003442-78-2 83
3		Pyrene, 4-methyl-	216 C17H12	003353-12-6 55
4		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 53
5		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 52



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082330.D
Acq On : 16 Oct 2015 17:20
Operator : UM/IZ
Sample : G4051-04 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TK1-3-20151015

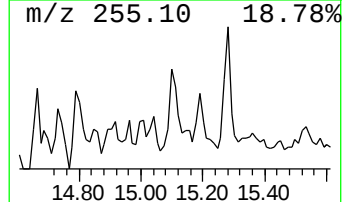
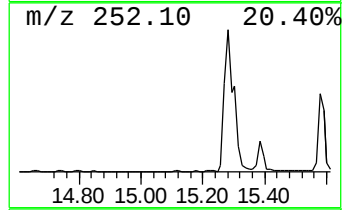
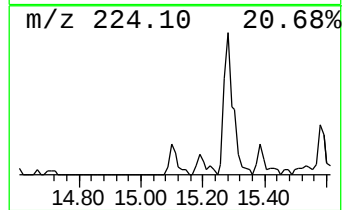
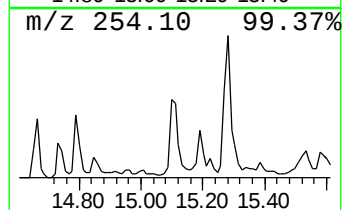
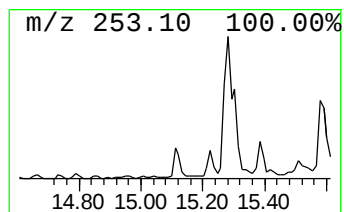
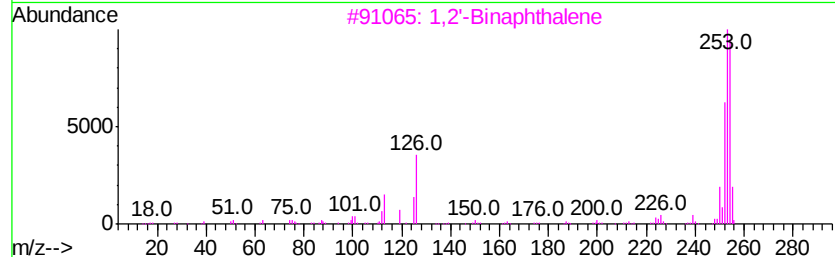
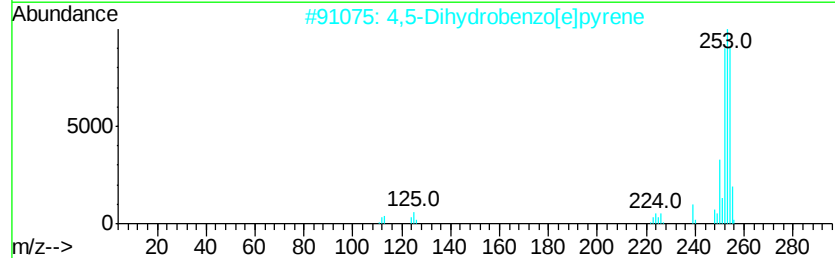
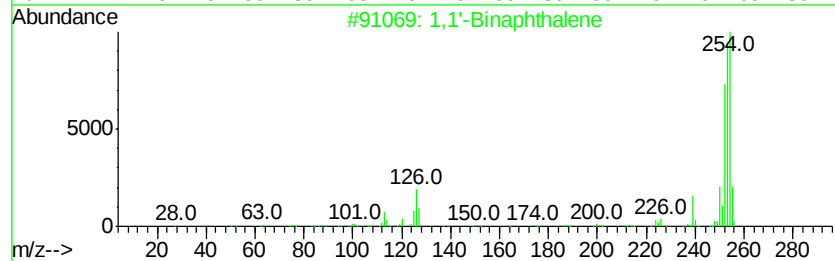
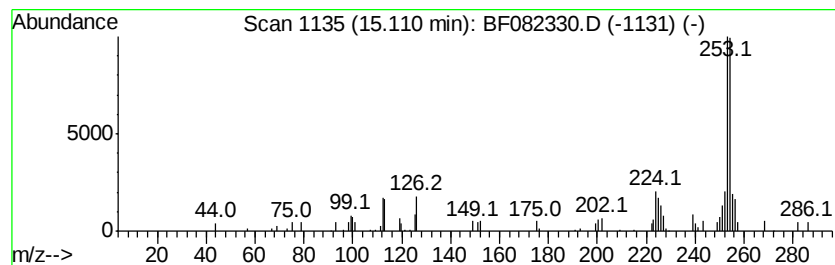
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1,1'-Binaphthalene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	2.76 ng	79236	Perylene-d12	15.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Binaphthalene	254	C20H14	000604-53-5	76
2		4,5-Dihydrobenzo[el]pyrene	254	C20H14	095676-42-9	68
3		1,2'-Binaphthalene	254	C20H14	004325-74-0	68
4		Benzo[al]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	64
5		1H-Indene, 1,1'-(1,2-ethanediyl...	254	C20H14	072088-04-1	62



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101715\
Data File : BF082330.D
Acq On : 16 Oct 2015 17:20
Operator : UM/IZ
Sample : G4051-04 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TK1-3-20151015

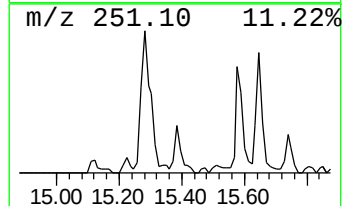
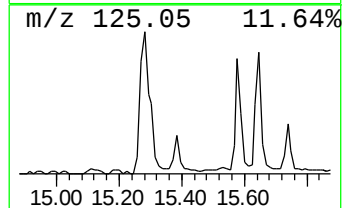
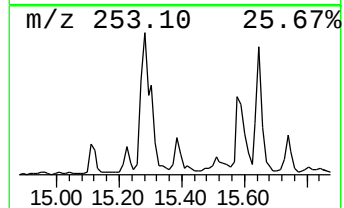
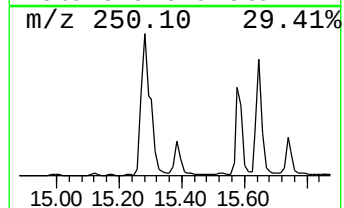
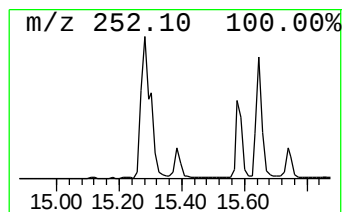
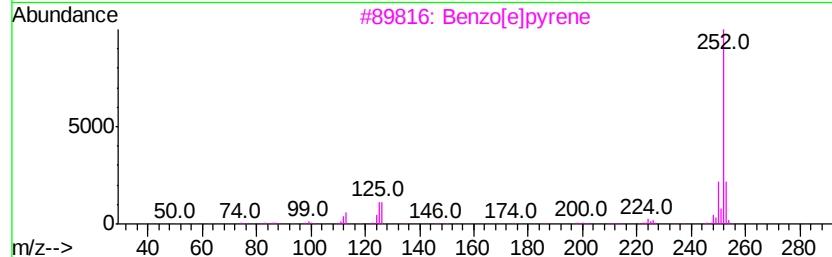
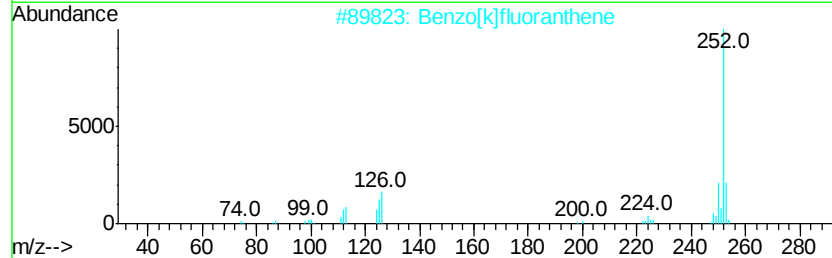
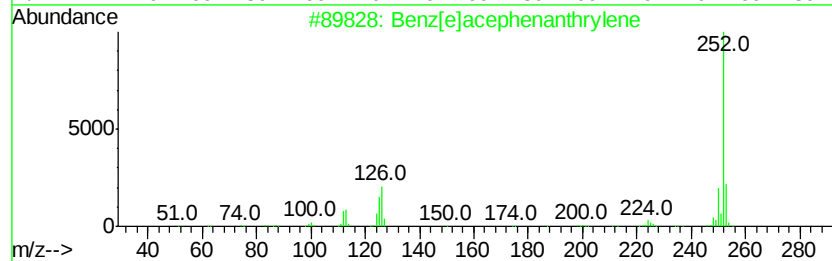
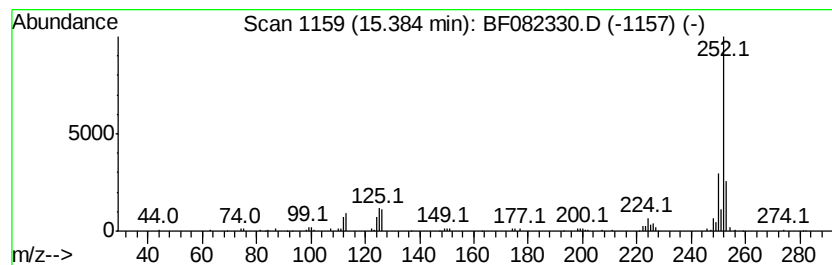
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Benz[e]acephenanthrylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	3.13 ng	89783	Perylene-d12	15.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3		Benzo[e]pyrene	252	C20H12	000192-97-2	91
4		Perylene	252	C20H12	000198-55-0	86
5		Benzo[a]pyrene	252	C20H12	000050-32-8	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101715\
Data File : BF082330.D
Acq On : 16 Oct 2015 17:20
Operator : UM/IZ
Sample : G4051-04 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TK1-3-20151015

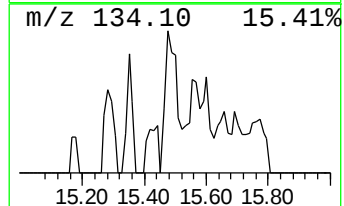
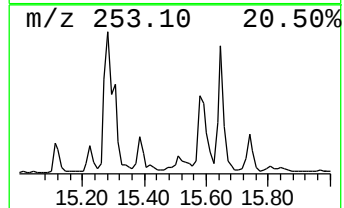
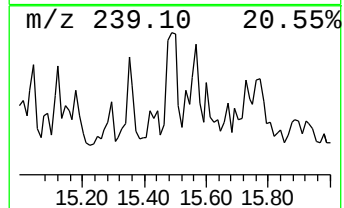
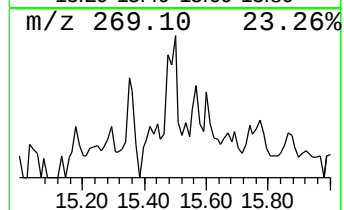
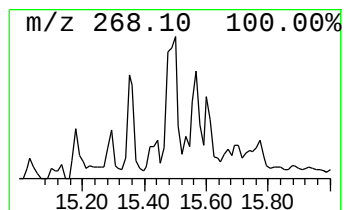
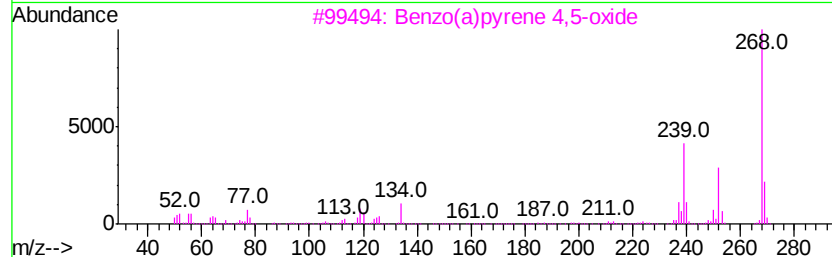
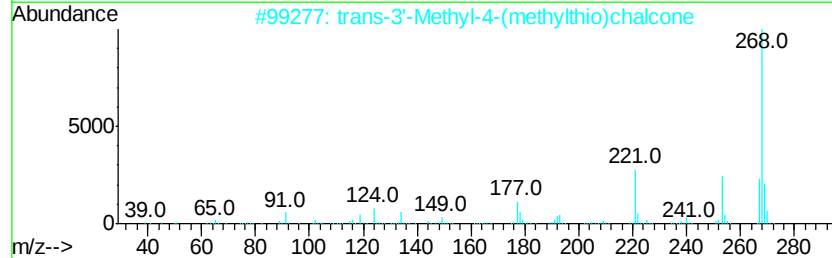
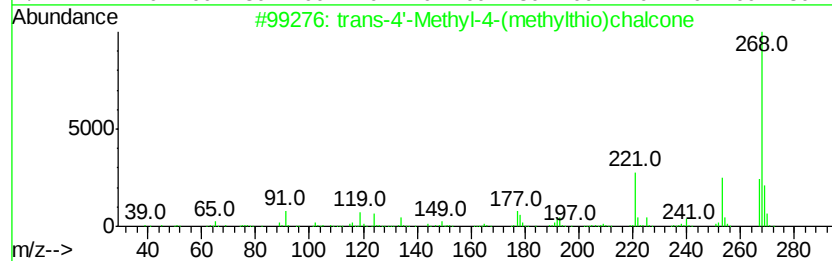
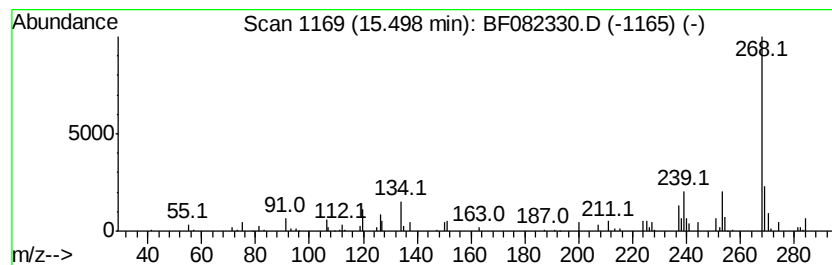
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 trans-4'-Methyl-4-(methylthio)chalcone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.50	2.57 ng	73682	Perylene-d12	15.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-4'-Methyl-4-(methylthio)ch...	268	C17H16OS	126443-27-4	68
2		trans-3'-Methyl-4-(methylthio)ch...	268	C17H16OS	131316-14-8	64
3		Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	59
4		Naphthalene, 1,1'-methylenebis-	268	C21H16	000607-50-1	59
5		Thioflavin t	318	C17H19ClN2S	002390-54-7	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082330.D
Acq On : 16 Oct 2015 17:20
Operator : UM/IZ
Sample : G4051-04 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TK1-3-20151015

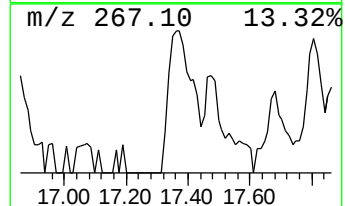
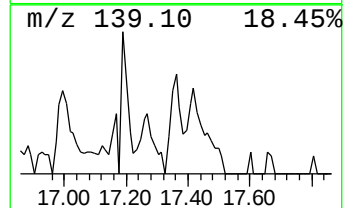
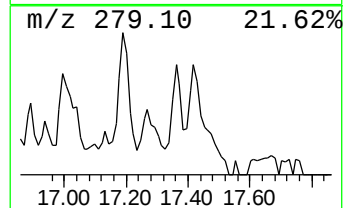
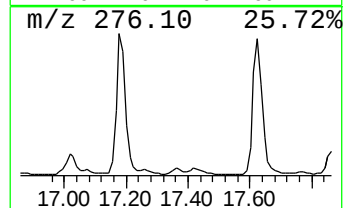
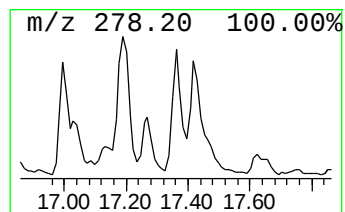
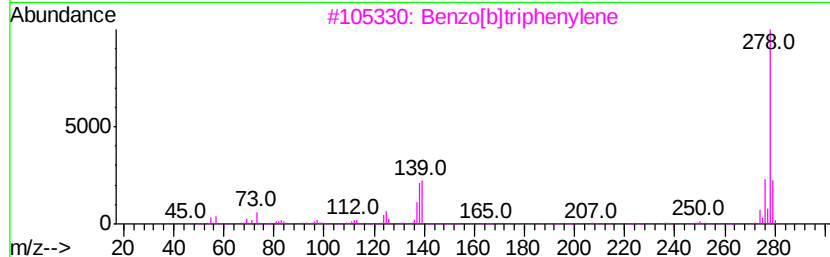
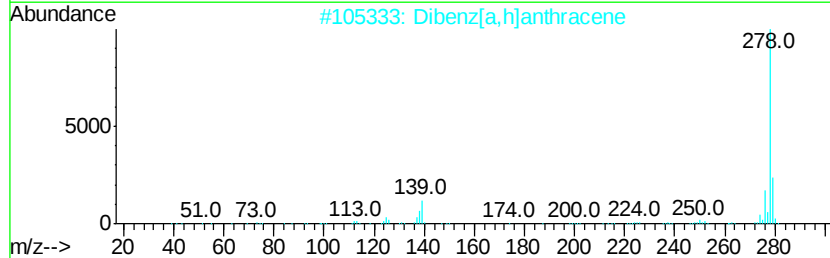
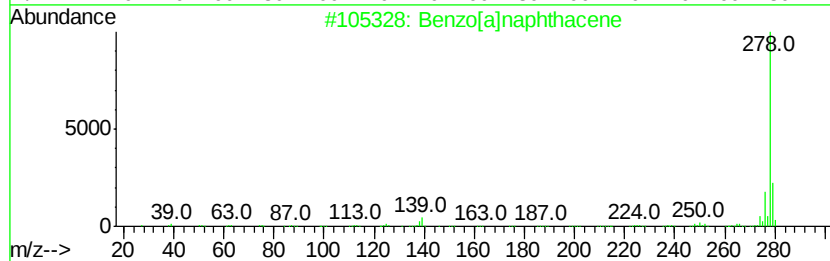
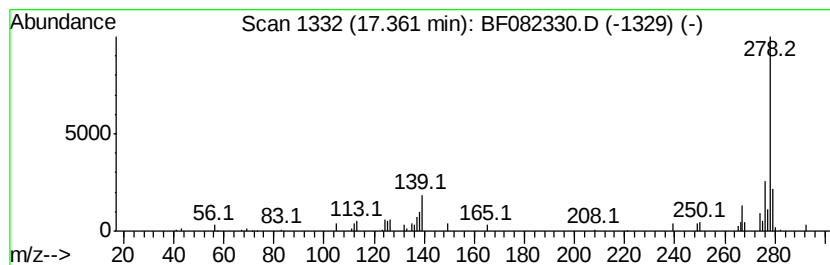
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzo[a]naphthacene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.36	2.00 ng	57408	Perylene-d12	15.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[a]naphthacene	278	C22H14	000226-88-0	76
2		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	62
3		Benzo[b]triphenylene	278	C22H14	000215-58-7	58
4		Dibenzo-1,2,7,8-anthracene	278	C22H14	000224-41-9	58
5		1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101715\
Data File : BF082330.D
Acq On : 16 Oct 2015 17:20
Operator : UM/IZ
Sample : G4051-04 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

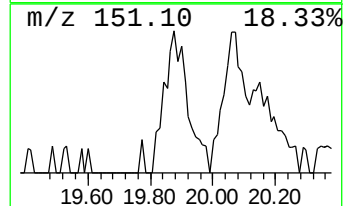
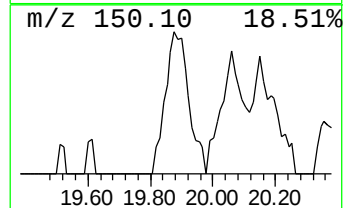
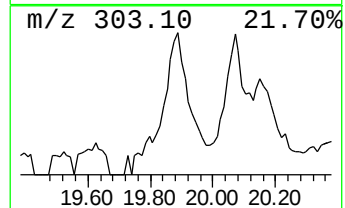
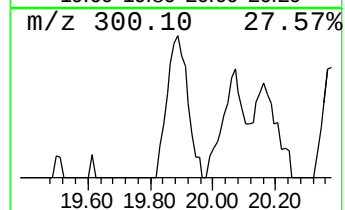
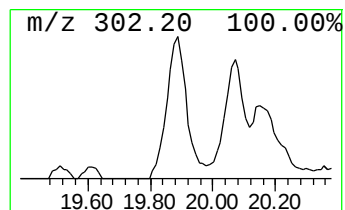
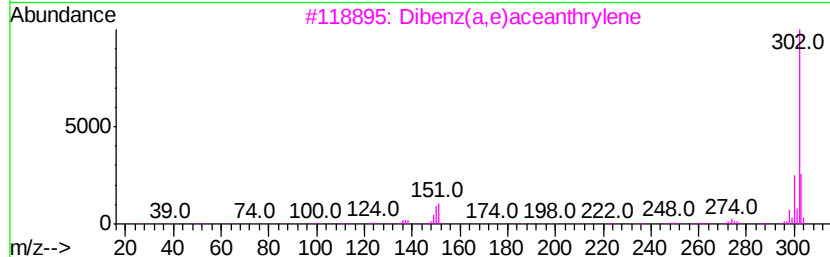
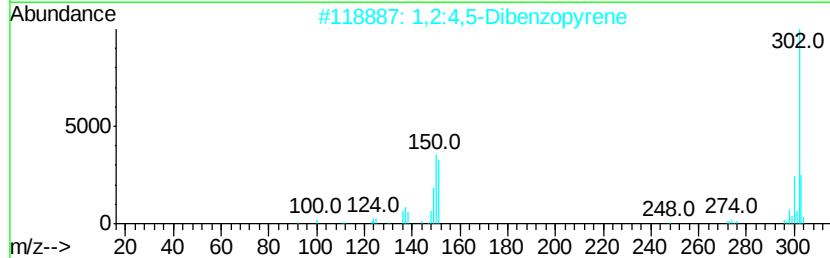
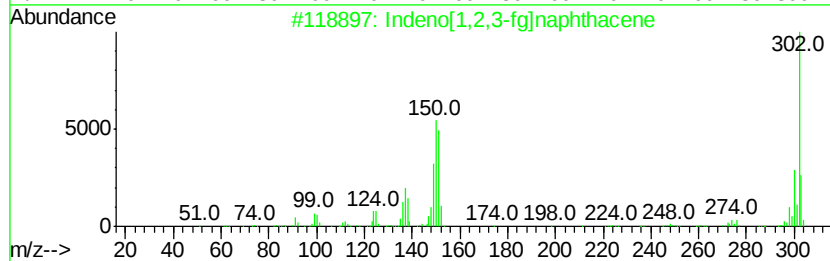
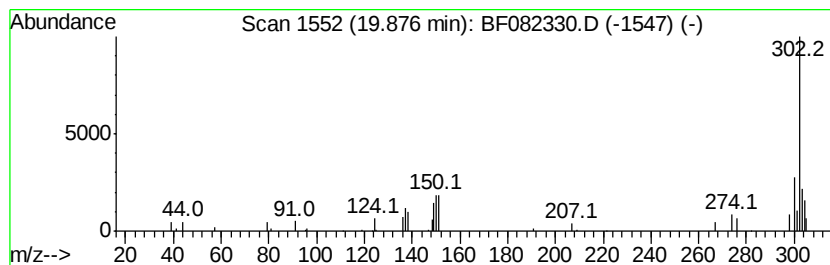
Instrument :
BNA_F
ClientSampleId :
TK1-3-20151015

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Indeno[1,2,3-fg]naphthacene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.88	3.62 ng	103862	Perylene-d12	15.72	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	76
2	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	70
3	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	59
4	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	59
5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082330.D
Acq On : 16 Oct 2015 17:20
Operator : UM/IZ
Sample : G4051-04 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TK1-3-20151015

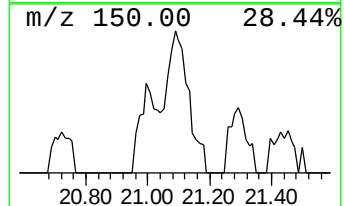
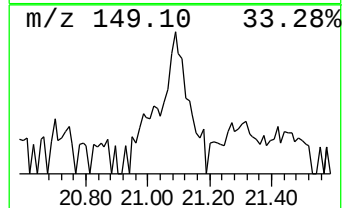
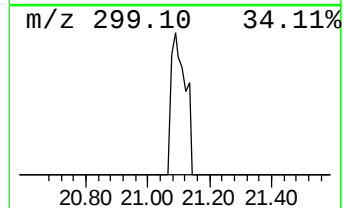
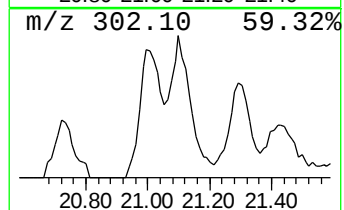
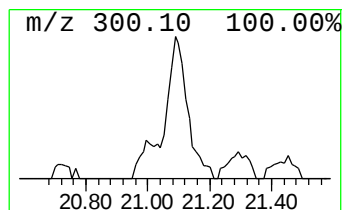
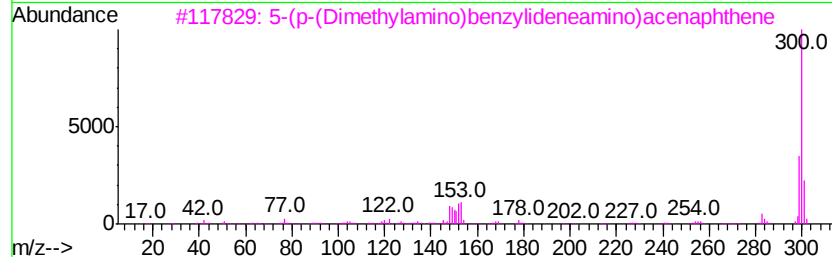
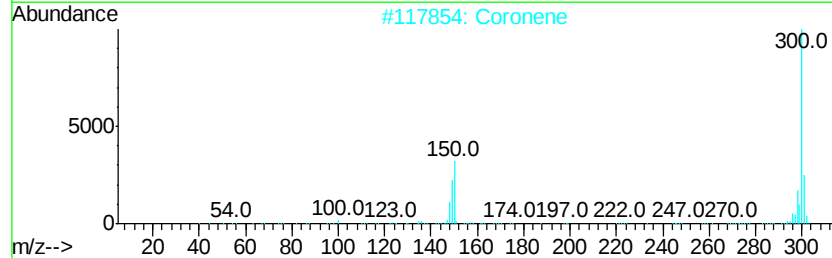
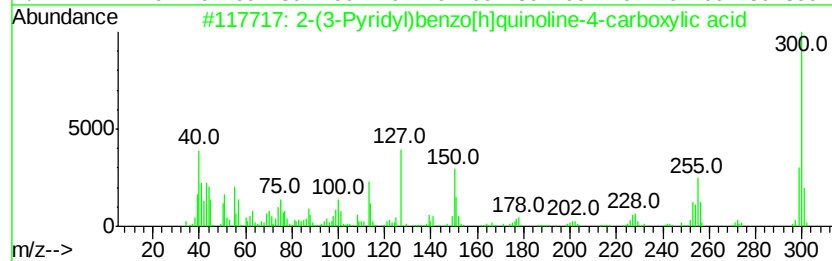
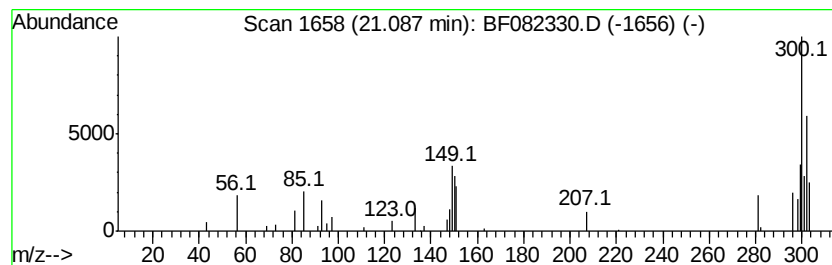
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown21.09 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.09	2.34 ng	67231	Perylene-d12	15.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-(3-Pyridyl)benzo[h]quinoline-4...	300	C19H12N2O2	303100-32-5	47
2		Coronene	300	C24H12	000191-07-1	43
3		5-(p-(Dimethylamino)benzylidene)ac...	300	C21H20N2	006256-22-0	38
4		trans-4,4'-Bis(methylthio)chalcone	300	C17H16OS2	033868-48-3	37
5		Benzophenone (2-troponyl)hydrazone	300	C20H16N2O	1000241-54-0	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101715\
 Data File : BF082330.D
 Acq On : 16 Oct 2015 17:20
 Operator : UM/IZ
 Sample : G4051-04 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TK1-3-20151015

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.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
2-Pentanone, 4-hy...	5.05	2.4	ng	33297	1	6.89	275401	20.0
unknown6.65	6.65	4.0	ng	55095	1	6.89	275401	20.0
Phenanthrene, 2-m...	11.91	2.8	ng	131567	4	11.42	926450	20.0
Phenanthrene, 1-m...	11.94	2.4	ng	111651	4	11.42	926450	20.0
Benzaldehyde, 3,5...	12.02	5.1	ng	236837	4	11.42	926450	20.0
9,10-Anthracenedione	12.24	2.0	ng	95137	4	11.42	926450	20.0
Cyclopenta(def)ph...	12.55	2.0	ng	93531	4	11.42	926450	20.0
11H-Benzo[a]fluorene	13.20	2.3	ng	164380	5	14.13	1435960	20.0
Pyrene, 1-methyl-	13.30	2.0	ng	145091	5	14.13	1435960	20.0
1,1'-Binaphthalene	15.11	2.8	ng	79236	6	15.72	573654	20.0
Benz[e]acephenant...	15.38	3.1	ng	89783	6	15.72	573654	20.0
trans-4'-Methyl-4...	15.50	2.6	ng	73682	6	15.72	573654	20.0
Benzo[a]naphthacene	17.36	2.0	ng	57408	6	15.72	573654	20.0
Indeno[1,2,3-fg]n...	19.88	3.6	ng	103862	6	15.72	573654	20.0
unknown21.09	21.09	2.3	ng	67231	6	15.72	573654	20.0