

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050916\
 Data File : BF086846.D
 Acq On : 10 May 2016 3:19
 Operator : UM/SJ
 Sample : H2895-12
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP8-10.5-12FT

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-BF050916.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	4.864	241	243	256	rBV	294178	568002	6.45%	0.365%
2	5.299	278	281	283	rBV	4839159	5760104	65.45%	3.699%
3	6.350	370	373	376	rBV	4165980	5669954	64.43%	3.641%
4	6.464	380	383	385	rVV	5409316	5406272	61.43%	3.472%
5	6.693	400	403	405	rBV	892530	1095631	12.45%	0.704%
6	6.842	414	416	419	rBV	3417985	3850895	43.76%	2.473%
7	7.264	450	453	455	rBV	3628111	3898438	44.30%	2.503%
8	7.973	513	515	520	rBV	1586884	1613806	18.34%	1.036%
9	9.059	607	610	612	rBV	4672641	5214271	59.25%	3.348%
10	9.390	637	639	640	rVV	207616	239872	2.73%	0.154%
11	9.459	643	645	647	rVV	403140	558376	6.35%	0.359%
12	9.585	654	656	658	rBV	1331610	1105170	12.56%	0.710%
13	9.722	666	668	670	rVV	1601978	1581450	17.97%	1.015%
14	9.928	684	686	688	rVV	381419	389385	4.42%	0.250%
15	9.962	688	689	693	rVB2	120024	221454	2.52%	0.142%
16	10.042	693	696	697	rBV2	173739	228180	2.59%	0.147%
17	10.168	705	707	709	rVV2	277071	368965	4.19%	0.237%
18	10.271	714	716	719	rVB	889693	913139	10.38%	0.586%
19	10.385	724	726	728	rVV	142667	207762	2.36%	0.133%
20	10.431	728	730	732	rVV	263240	287364	3.27%	0.185%
21	10.511	734	737	740	rBV2	2575569	3806546	43.26%	2.444%
22	10.636	746	748	751	rBV	460882	558839	6.35%	0.359%
23	10.819	761	764	767	rBV	352845	645125	7.33%	0.414%
24	10.968	773	777	779	rVV2	263674	480171	5.46%	0.308%
25	11.013	779	781	783	rVB	262901	276028	3.14%	0.177%
26	11.059	783	785	786	rBV	206133	250864	2.85%	0.161%
27	11.105	786	789	792	rVB2	377417	739939	8.41%	0.475%
28	11.231	795	800	802	rBV2	4349071	7372369	83.78%	4.734%
29	11.276	802	804	806	rVV	1489139	2000493	22.73%	1.285%
30	11.311	806	807	809	rVV	236656	290392	3.30%	0.186%
31	11.448	816	819	822	rBV3	238807	535044	6.08%	0.344%
32	11.505	822	824	825	rVV	251218	294826	3.35%	0.189%
33	11.539	825	827	829	rVB3	157454	263142	2.99%	0.169%
34	11.619	831	834	836	rVB2	136516	245572	2.79%	0.158%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050916\
 Data File : BF086846.D
 Acq On : 10 May 2016 3:19
 Operator : UM/SJ
 Sample : H2895-12
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP8-10.5-12FT

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-BF050916.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.699	839	841	843	rBV	770946	1219663	13.86%	0.783%
36	11.733	843	844	847	rVV	1730200	1662528	18.89%	1.068%
37	11.779	847	848	849	rVV	721767	599028	6.81%	0.385%
38	11.813	849	851	856	rVB	2159394	3162007	35.93%	2.030%
39	11.996	865	867	869	rVV	714679	807137	9.17%	0.518%
40	12.031	869	870	872	rVB	498445	377971	4.30%	0.243%
41	12.145	878	880	882	rBV	178001	226154	2.57%	0.145%
42	12.179	882	883	884	rVV	342208	254024	2.89%	0.163%
43	12.248	887	889	891	rBV	660153	982717	11.17%	0.631%
44	12.294	891	893	896	rVV2	463148	868459	9.87%	0.558%
45	12.351	896	898	900	rVB	472736	671152	7.63%	0.431%
46	12.431	901	905	907	rBV	5613146	8800171	100.00%	5.651%
47	12.465	907	908	910	rVV2	162912	253313	2.88%	0.163%
48	12.511	910	912	914	rVB	1491079	1301741	14.79%	0.836%
49	12.556	914	916	920	rBV3	394788	682294	7.75%	0.438%
50	12.648	920	924	927	rVV	4734950	8570830	97.39%	5.504%
51	12.694	927	928	930	rVB2	397204	375741	4.27%	0.241%
52	12.762	932	934	935	rBV	508820	747331	8.49%	0.480%
53	12.785	935	936	940	rVB	2791898	3308774	37.60%	2.125%
54	12.865	940	943	945	rBV2	628131	1130084	12.84%	0.726%
55	12.968	947	952	954	rVB	1582025	2356224	26.77%	1.513%
56	13.036	954	958	959	rBV	1380471	1490737	16.94%	0.957%
57	13.071	959	961	965	rVB	1050149	1256860	14.28%	0.807%
58	13.128	965	966	967	rBV	168306	195874	2.23%	0.126%
59	13.162	967	969	970	rVB	483520	396430	4.50%	0.255%
60	13.197	970	972	976	rVB2	370089	603561	6.86%	0.388%
61	13.288	976	980	983	rBV	2241119	4667270	53.04%	2.997%
62	13.357	983	986	990	rBV2	514687	914492	10.39%	0.587%
63	13.471	992	996	1000	rBV2	379192	833606	9.47%	0.535%
64	13.585	1003	1006	1007	rBV	768208	935203	10.63%	0.601%
65	13.688	1013	1015	1018	rVB	469601	541702	6.16%	0.348%
66	13.837	1024	1028	1029	rBV2	3300192	6069940	68.98%	3.898%
67	13.871	1029	1031	1033	rVV	3301224	3890464	44.21%	2.498%
68	13.985	1038	1041	1044	rVV	686347	997458	11.33%	0.640%
69	14.031	1044	1045	1047	rVB2	237705	290876	3.31%	0.187%
70	14.179	1057	1058	1059	rVV	225588	286037	3.25%	0.184%
71	14.225	1059	1062	1063	rVV	694269	1090089	12.39%	0.700%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050916\
Data File : BF086846.D
Acq On : 10 May 2016 3:19
Operator : UM/SJ
Sample : H2895-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP8-10.5-12FT

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.248	1063	1064	1066	rVB	333694	384322	4.37%	0.247%
73	14.317	1066	1070	1071	rBV2	423515	666308	7.57%	0.428%
74	14.419	1077	1079	1082	rVB2	200872	294273	3.34%	0.189%
75	14.545	1086	1090	1092	rBV2	206610	547354	6.22%	0.351%
76	14.602	1092	1095	1098	rVV	4321798	6338626	72.03%	4.070%
77	14.694	1100	1103	1106	rVB2	291217	509362	5.79%	0.327%
78	14.842	1113	1116	1120	rBV	2748898	6358911	72.26%	4.083%
79	14.934	1120	1124	1129	rVB	951624	1437111	16.33%	0.923%
80	15.025	1129	1132	1134	rBV2	179140	444576	5.05%	0.285%
81	15.105	1136	1139	1142	rVV	1474906	2376221	27.00%	1.526%
82	15.174	1142	1145	1147	rVV	2644566	3562922	40.49%	2.288%
83	15.220	1147	1149	1150	rVV	738011	916203	10.41%	0.588%
84	15.242	1150	1151	1155	rVB2	810174	1226813	13.94%	0.788%
85	15.414	1160	1166	1169	rBV	338707	1112052	12.64%	0.714%
86	15.608	1180	1183	1185	rBV2	130178	266102	3.02%	0.171%
87	15.711	1190	1192	1194	rVB	269639	331151	3.76%	0.213%
88	16.191	1231	1234	1235	rBV2	104328	231815	2.63%	0.149%
89	16.340	1244	1247	1248	rBV2	171047	321072	3.65%	0.206%
90	16.523	1258	1263	1265	rBV	1225730	2436056	27.68%	1.564%
91	16.568	1265	1267	1272	rVB	145196	311824	3.54%	0.200%
92	16.660	1272	1275	1277	rBV	300845	586819	6.67%	0.377%
93	16.717	1277	1280	1283	rVB2	177568	333981	3.80%	0.214%
94	16.911	1292	1297	1304	rVV	835006	1910691	21.71%	1.227%
95	17.025	1304	1307	1311	rVV3	97837	301317	3.42%	0.193%
96	17.105	1311	1314	1322	rVB2	321757	810394	9.21%	0.520%
97	17.551	1351	1353	1358	rVB2	70022	199710	2.27%	0.128%
98	18.866	1463	1468	1474	rVB	245852	842792	9.58%	0.541%
99	19.026	1477	1482	1485	rBV	140822	454113	5.16%	0.292%
100	19.311	1503	1507	1519	rVB3	92331	464011	5.27%	0.298%

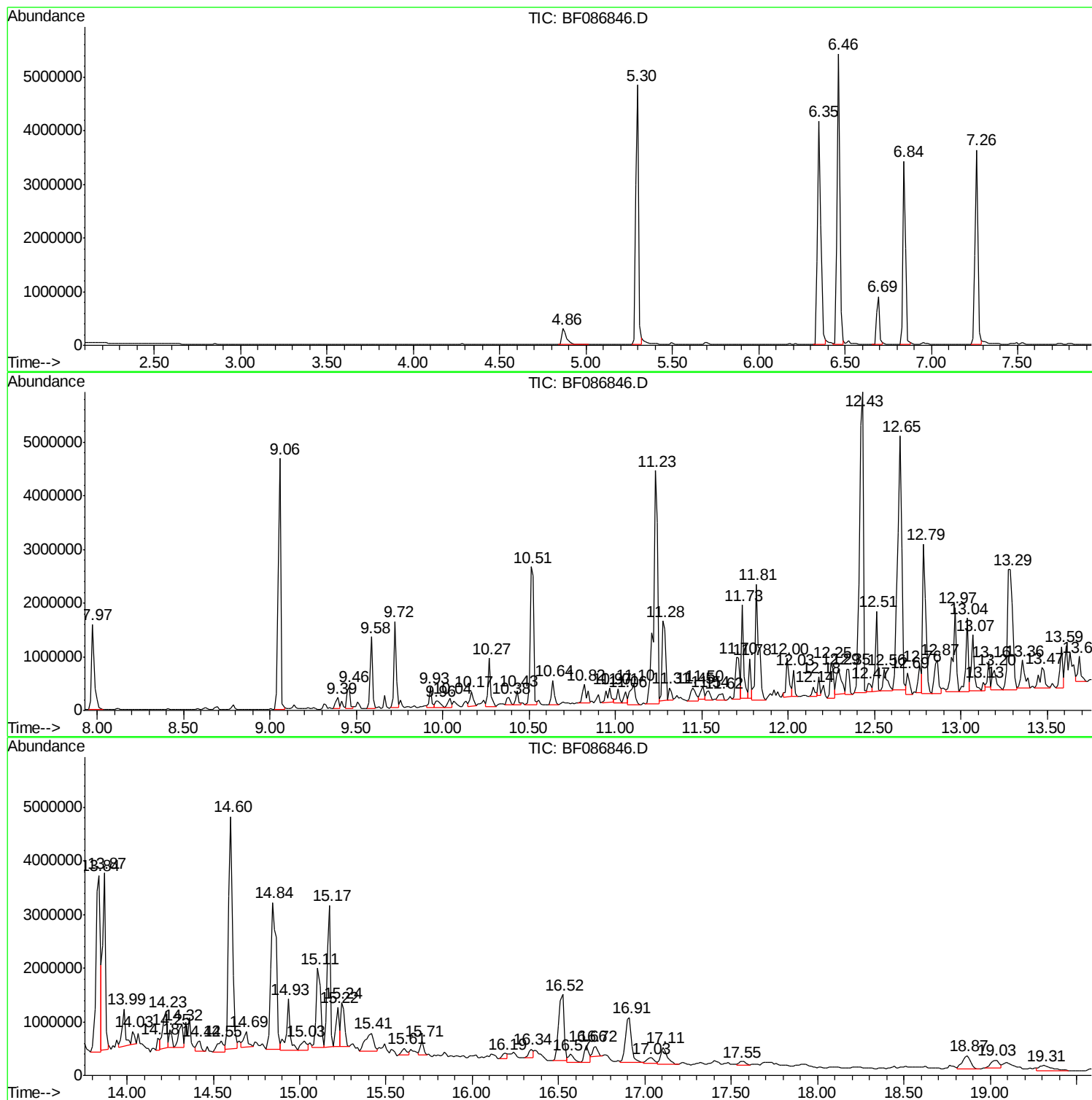
Sum of corrected areas: 155732684

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050916\
Data File : BF086846.D
Acq On : 10 May 2016 3:19
Operator : UM/SJ
Sample : H2895-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP8-10.5-12FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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\BF050916\
Data File : BF086846.D
Acq On : 10 May 2016 3:19
Operator : UM/SJ
Sample : H2895-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP8-10.5-12FT

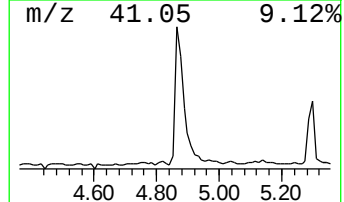
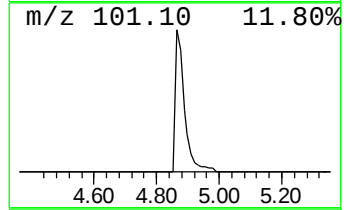
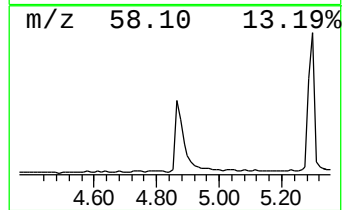
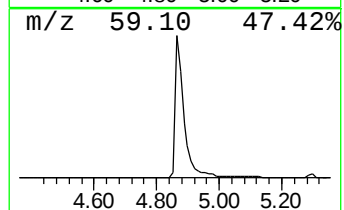
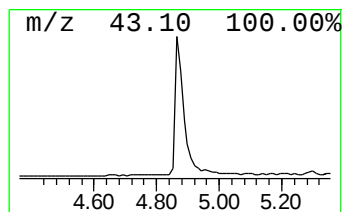
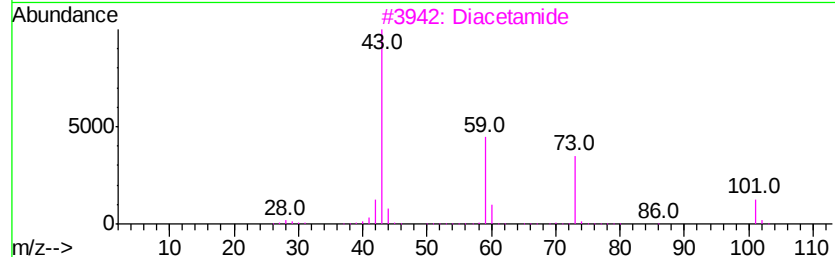
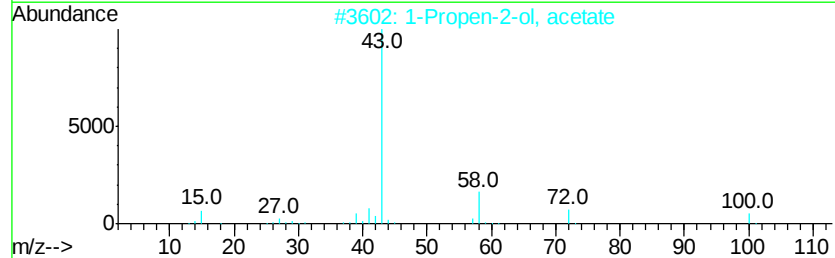
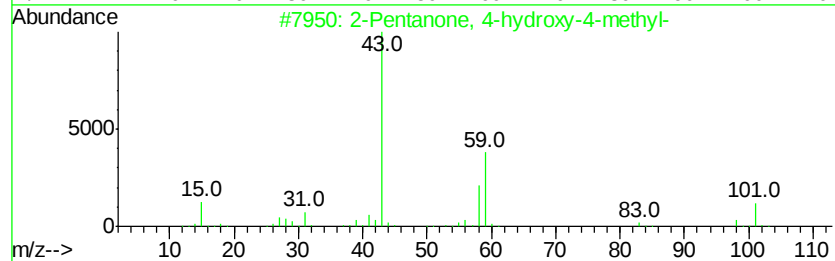
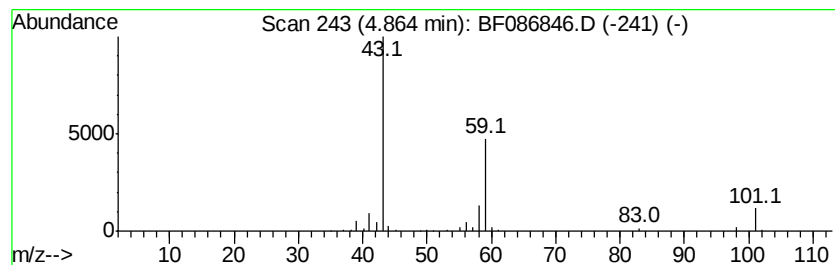
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.86	10.37 ng	568002	1,4-Dichlorobenzene-d4	6.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	39
2		1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
3		Diacetamide	101	C4H7NO2	000625-77-4	9
4		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5		Butane	58	C4H10	000106-97-8	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050916\
Data File : BF086846.D
Acq On : 10 May 2016 3:19
Operator : UM/SJ
Sample : H2895-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP8-10.5-12FT

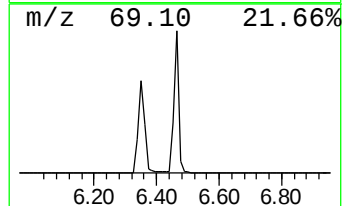
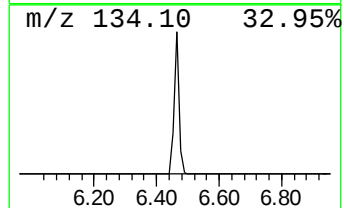
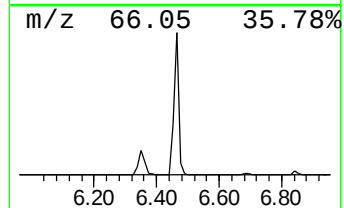
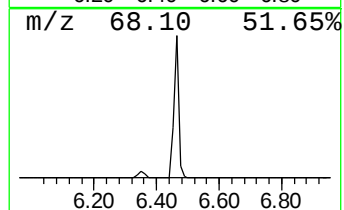
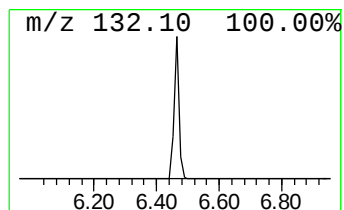
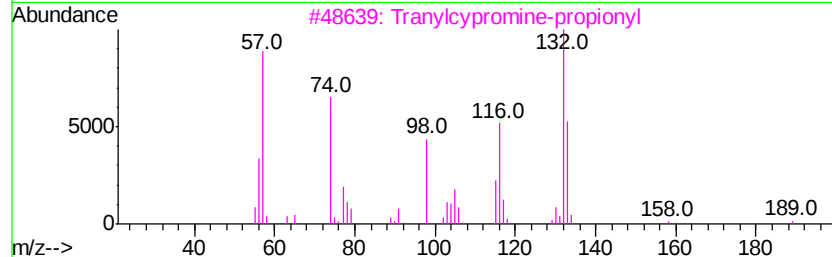
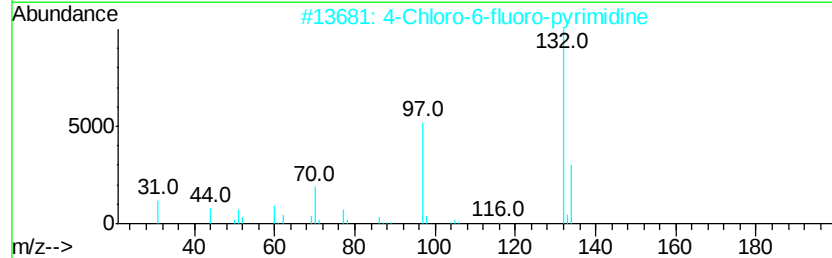
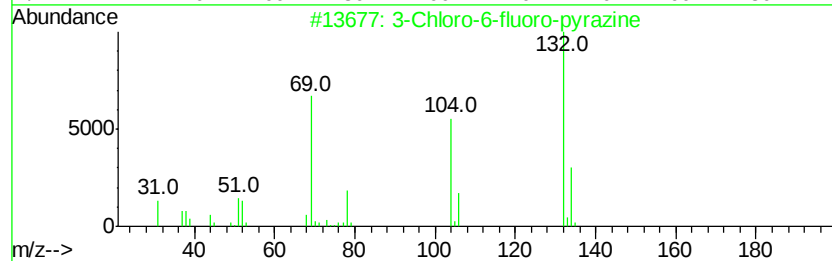
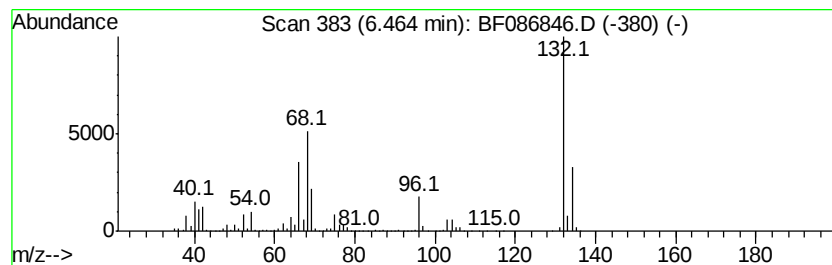
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.46 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	98.69 ng	5406270	1,4-Dichlorobenzene-d4	6.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	22
4		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
5		Pyrazolo(2,3-a)pyridine, 7-methyl-	132	C8H8N2	034760-58-2	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050916\
Data File : BF086846.D
Acq On : 10 May 2016 3:19
Operator : UM/SJ
Sample : H2895-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

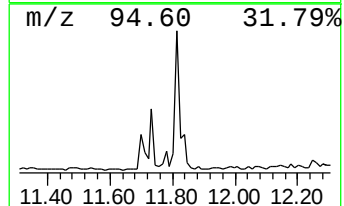
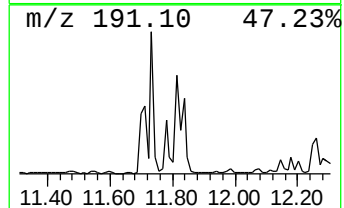
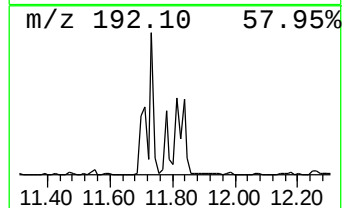
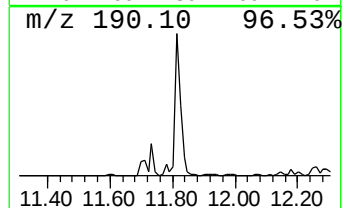
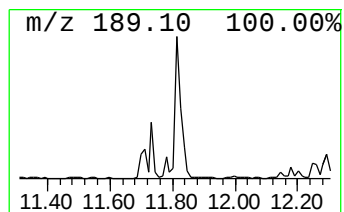
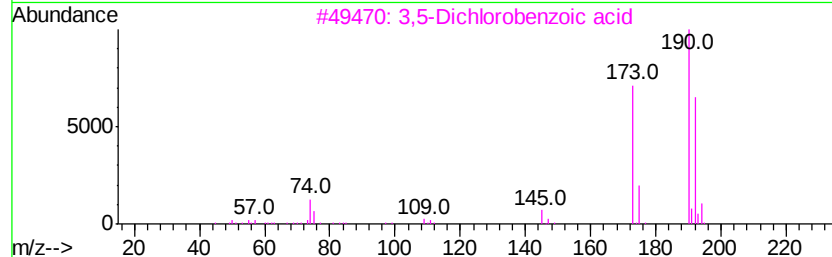
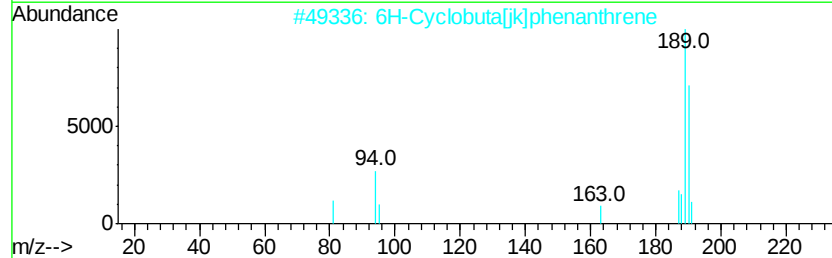
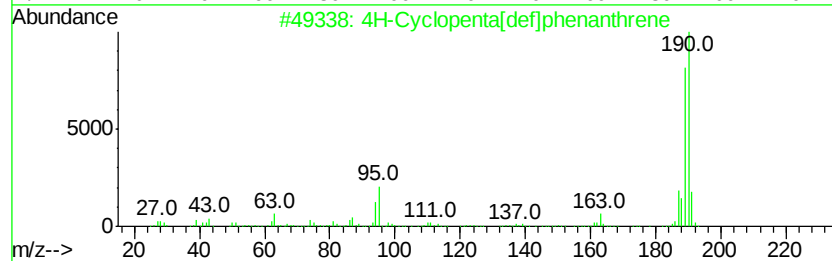
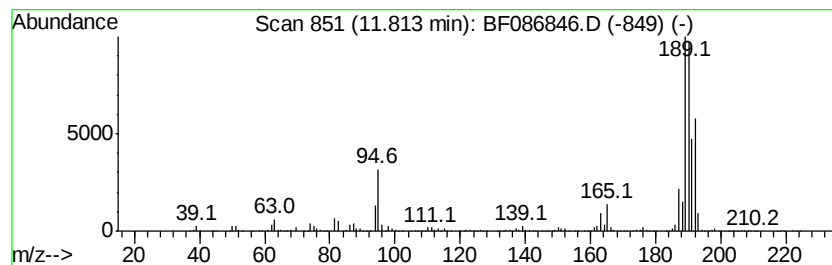
Instrument :
BNA_F
ClientSampleId :
TP8-10.5-12FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.81	8.58 ng	3162010	Phenanthrene-d10	11.21	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	53
3	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	30
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	20
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	18



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050916\
Data File : BF086846.D
Acq On : 10 May 2016 3:19
Operator : UM/SJ
Sample : H2895-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP8-10.5-12FT

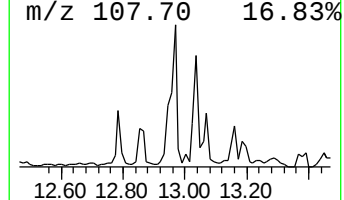
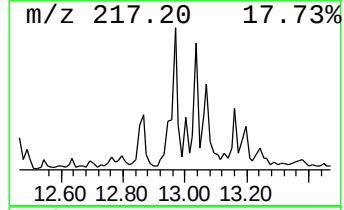
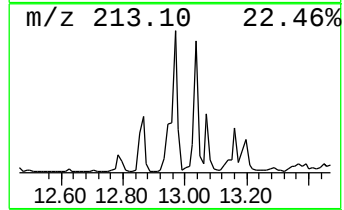
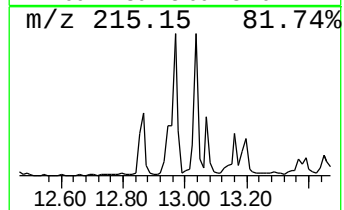
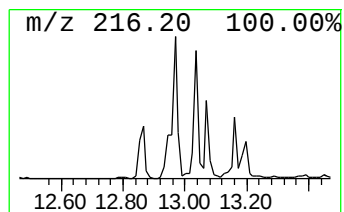
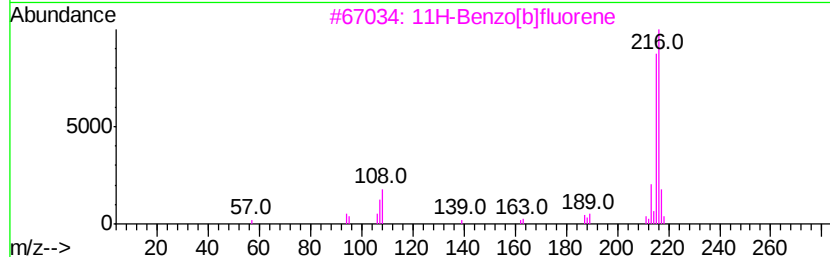
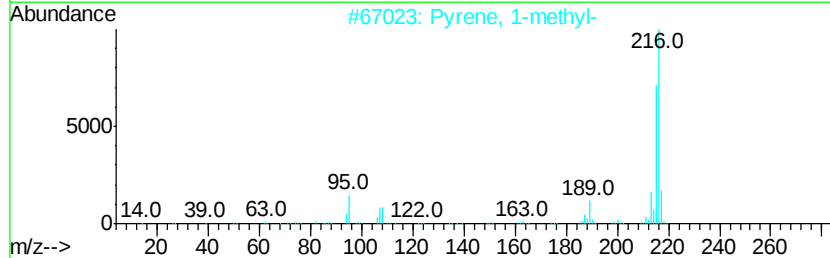
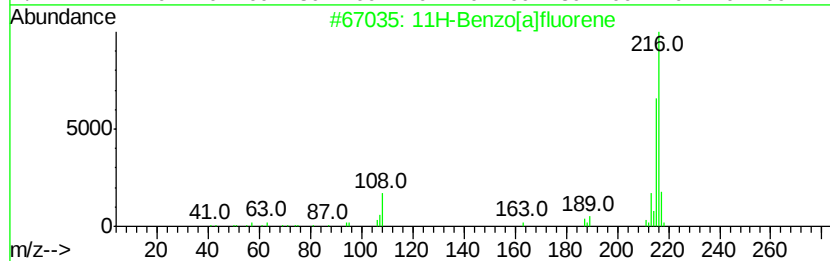
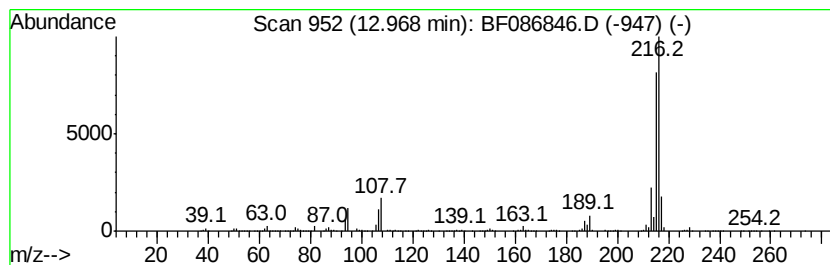
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 11H-Benzo[a]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	7.76 ng	2356220	Chrysene-d12	13.84

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050916\
Data File : BF086846.D
Acq On : 10 May 2016 3:19
Operator : UM/SJ
Sample : H2895-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

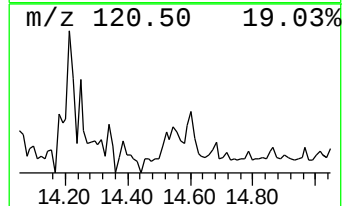
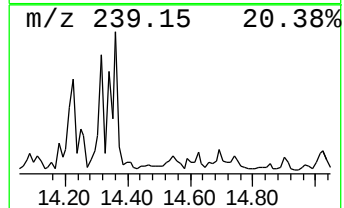
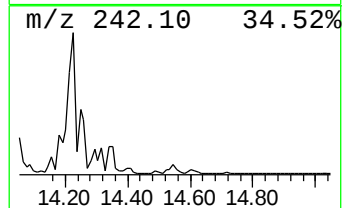
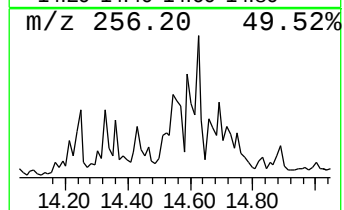
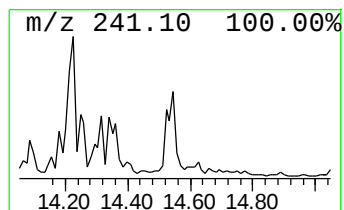
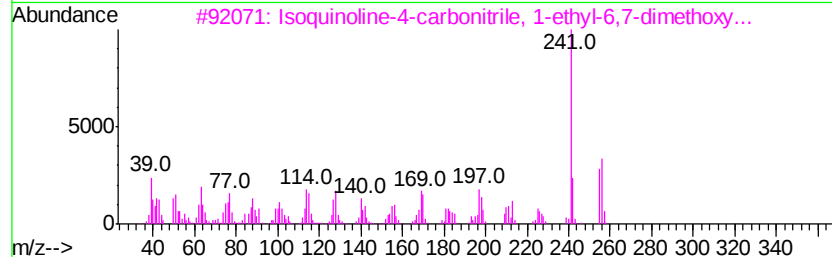
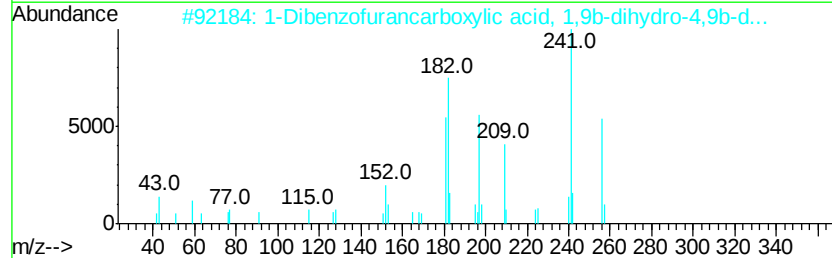
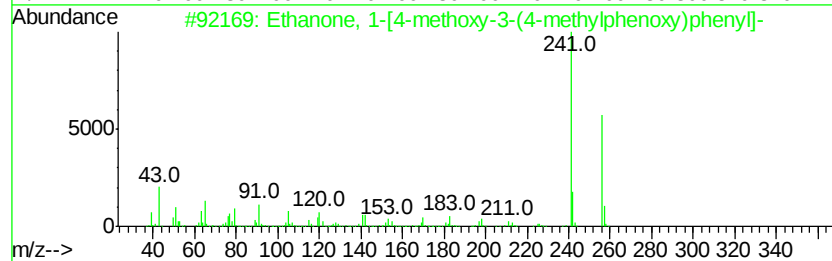
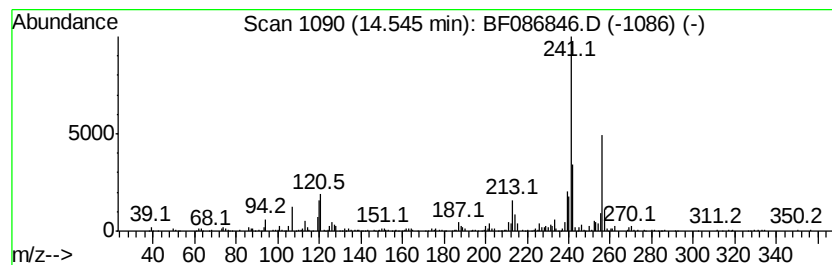
Instrument :
BNA_F
ClientSampleId :
TP8-10.5-12FT

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Ethanone, 1-[4-methoxy-3-(4... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.55	11.95 ng	547354	Perylene-d12	15.22		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-[4-methoxy-3-(4-meth...	256	C16H16O3	116345-94-9	50	
2	1-Dibenzofurancarboxylic acid, 1...	256	C16H16O3	040801-40-9	50	
3	Isoquinoline-4-carbonitrile, 1-e...	256	C15H16N2O2	1000259-91-1	47	
4	3-Acetyl-5-bromobenzo(b)thiophene	254	C10H7BrOS	001423-63-8	40	
5	1-Methyl-10,18-bisnorabieta-8,11...	256	C19H28	1000293-16-9	40	



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050916\
Data File : BF086846.D
Acq On : 10 May 2016 3:19
Operator : UM/SJ
Sample : H2895-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP8-10.5-12FT

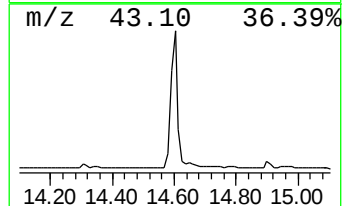
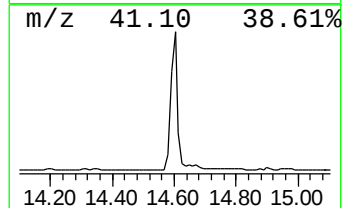
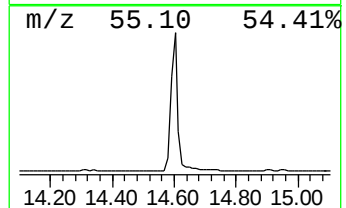
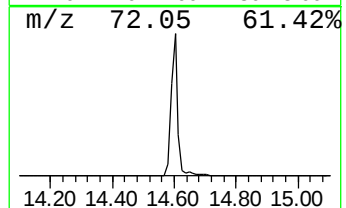
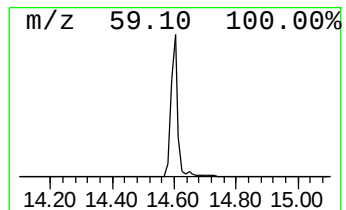
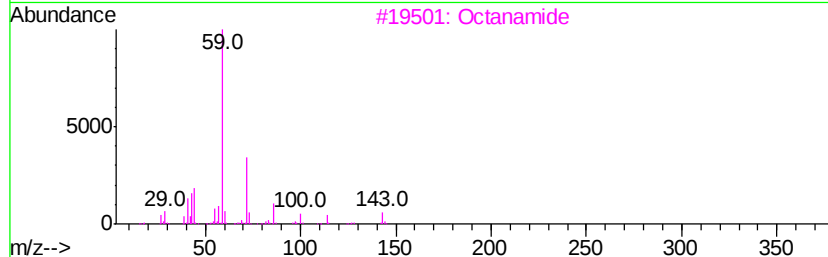
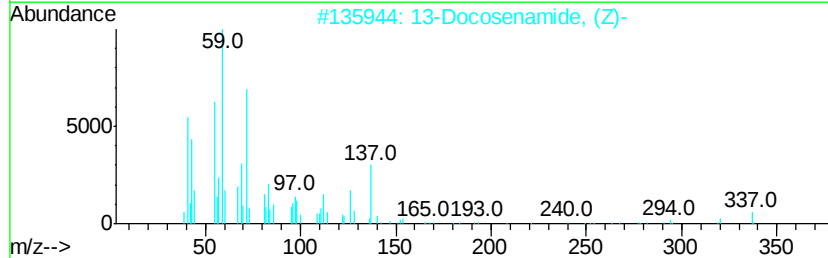
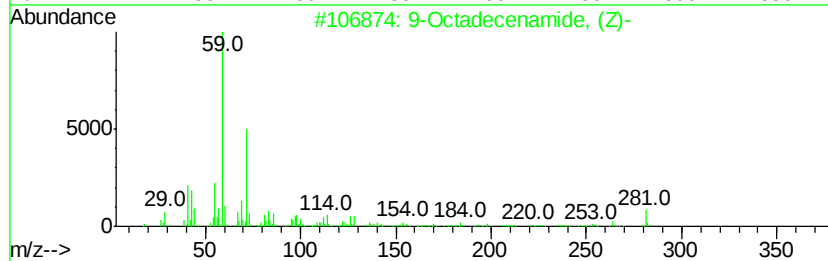
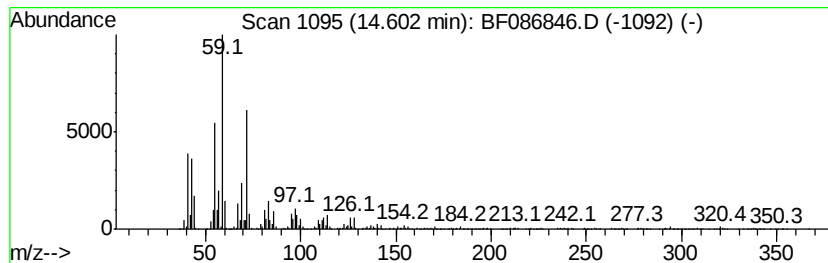
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 9-Octadecenamide, (Z)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	138.37 ng	6338630	Perylene-d12	15.22

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	91
2		13-Docosenamide, (Z)-	337	C22H43NO	000112-84-5	90
3		Octanamide	143	C8H17NO	000629-01-6	59
4		Hexadecanamide	255	C16H33NO	000629-54-9	56
5		7-Nonenamide	155	C9H17NO	090949-53-4	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050916\
Data File : BF086846.D
Acq On : 10 May 2016 3:19
Operator : UM/SJ
Sample : H2895-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP8-10.5-12FT

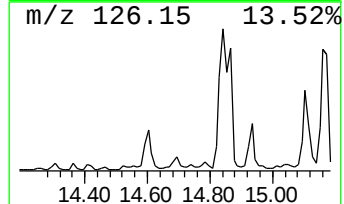
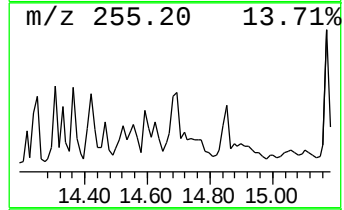
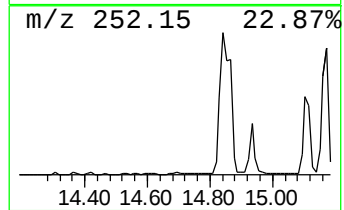
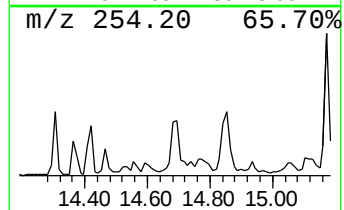
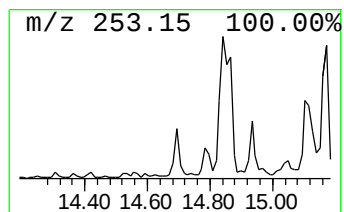
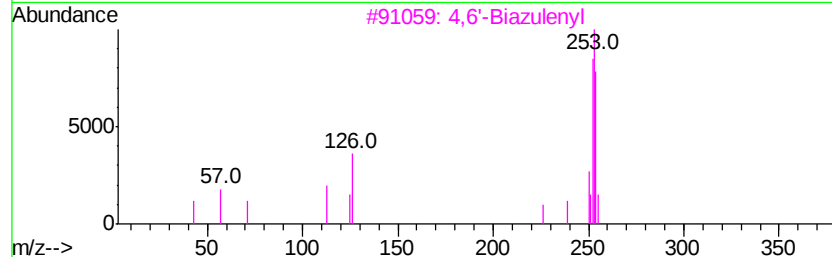
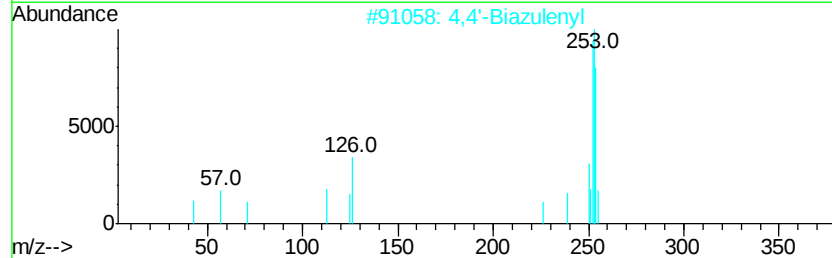
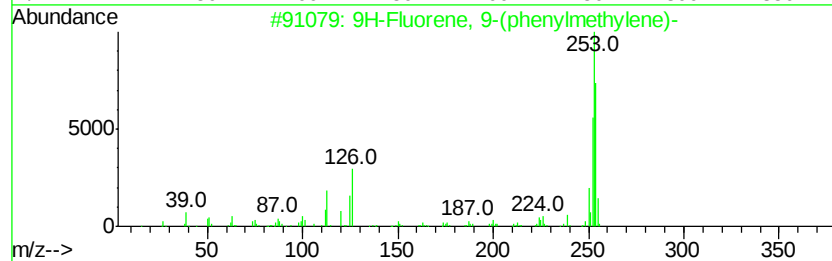
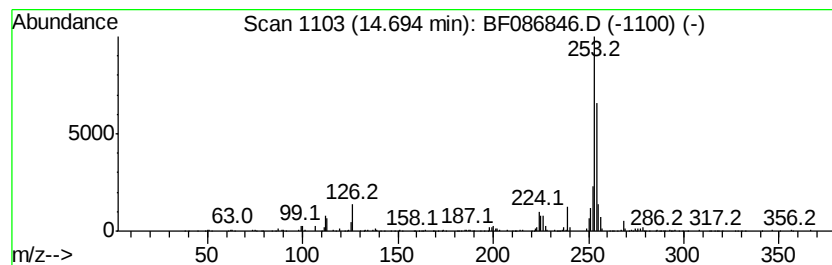
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 9H-Fluorene, 9-(phenylmethy... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	11.12 ng	509362	Perylene-d12	15.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 9-(phenylmethylenyl)-	254	C20H14	001836-87-9	81
2		4,4'-Biazulenylyl	254	C20H14	094053-54-0	74
3		4,6'-Biazulenylyl	254	C20H14	094154-49-1	74
4		7,12-DIHYDROBENZO[K]FLUORANTHENE	254	C20H14	1000080-17-7	64
5		1,1'-Binaphthalene	254	C20H14	000604-53-5	60



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050916\
Data File : BF086846.D
Acq On : 10 May 2016 3:19
Operator : UM/SJ
Sample : H2895-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP8-10.5-12FT

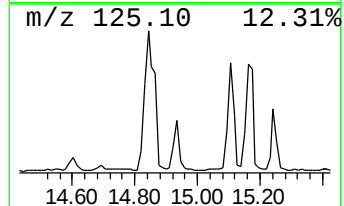
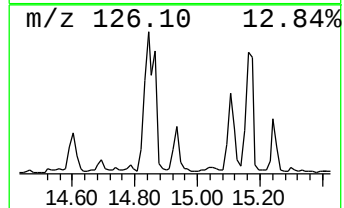
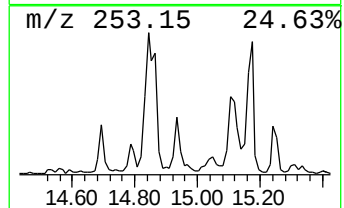
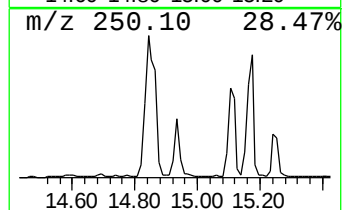
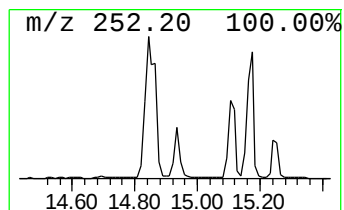
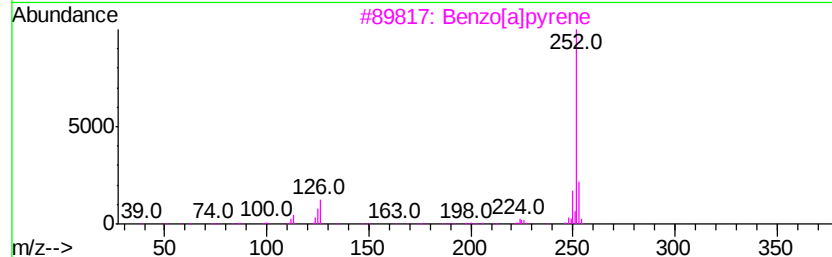
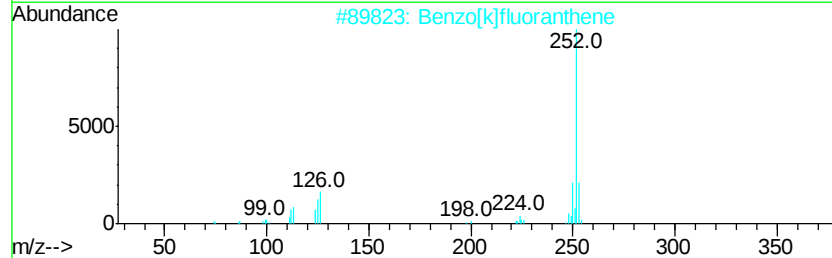
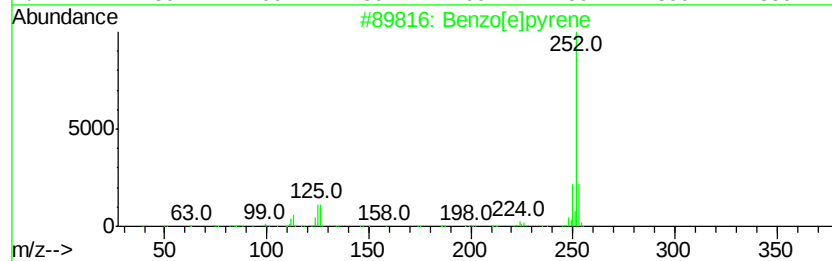
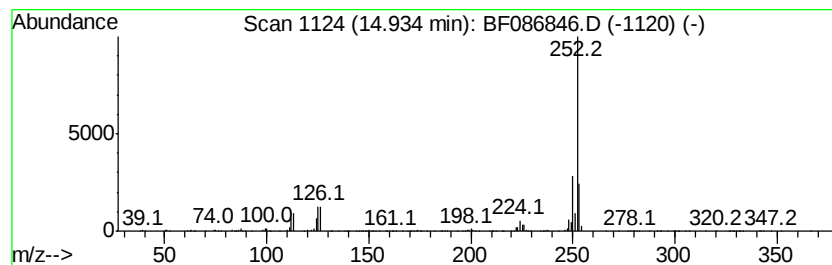
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	31.37 ng	1437110	Perylene-d12	15.22

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3		Benzo[a]pyrene	252	C20H12	000050-32-8	97
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	96
5		Perylene	252	C20H12	000198-55-0	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050916\
Data File : BF086846.D
Acq On : 10 May 2016 3:19
Operator : UM/SJ
Sample : H2895-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP8-10.5-12FT

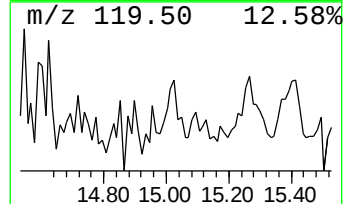
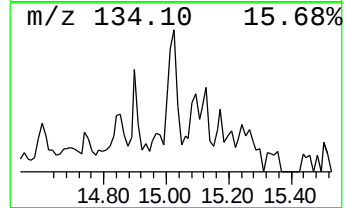
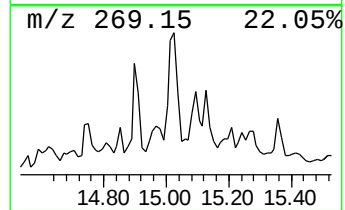
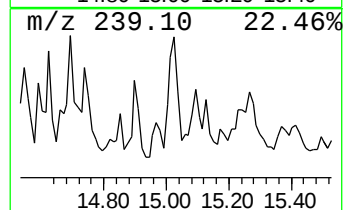
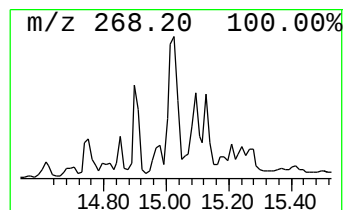
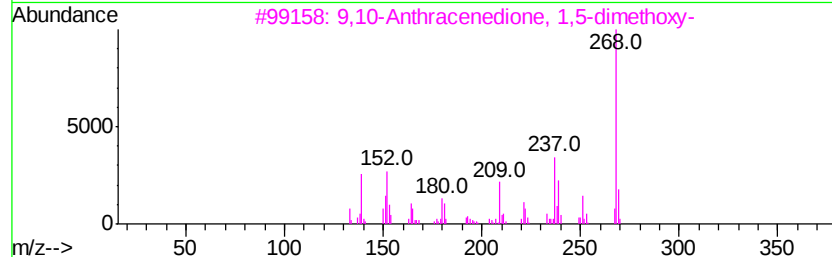
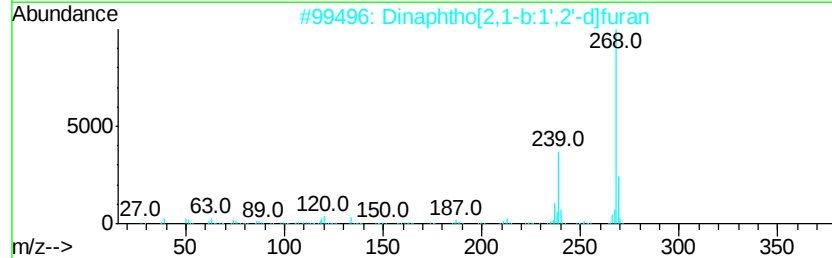
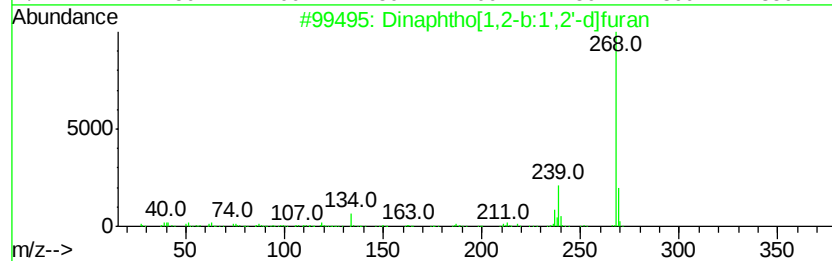
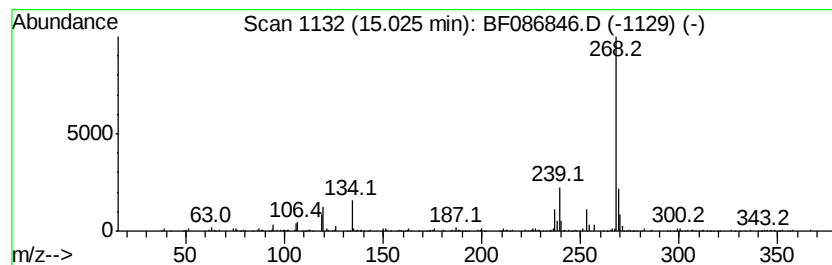
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	9.70 ng	444576	Perylene-d12	15.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	90
2		Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	74
3		9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	59
4		Coumaran-6-ol-3-one, 2-[4-methox...	268	C16H12O4	020727-61-1	53
5		Phenol, 2,2'-[1,2-ethanediylbis(...	268	C16H16N2O2	000094-93-9	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050916\
Data File : BF086846.D
Acq On : 10 May 2016 3:19
Operator : UM/SJ
Sample : H2895-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP8-10.5-12FT

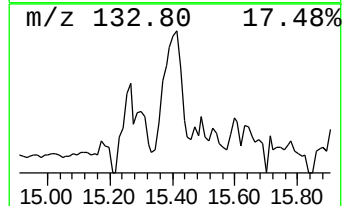
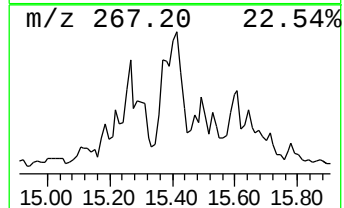
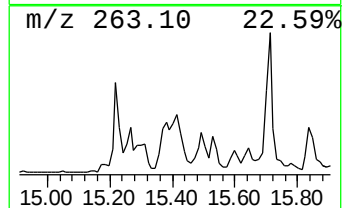
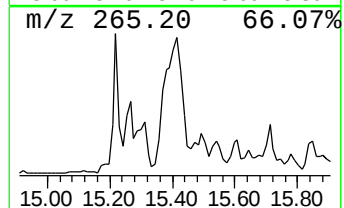
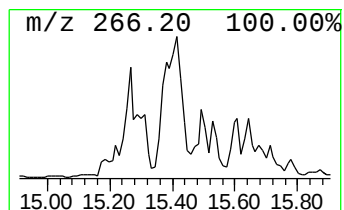
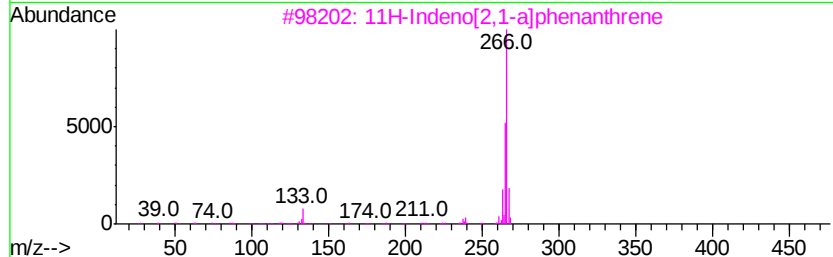
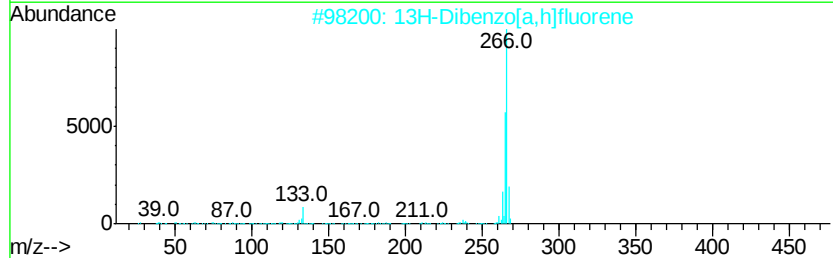
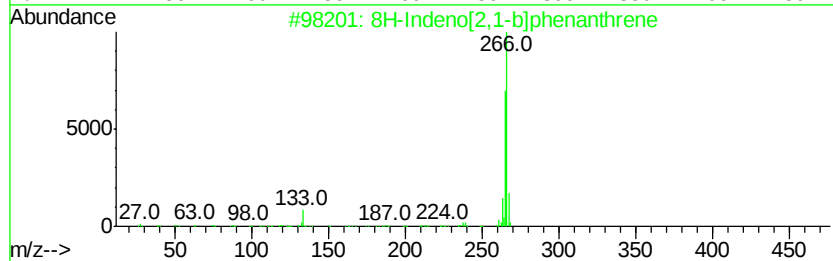
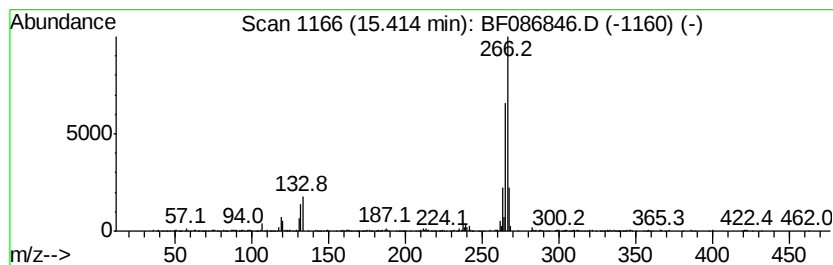
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 8H-Indeno[2,1-b]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	24.28 ng	1112050	Perylene-d12	15.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	95
2		13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	95
3		11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	89
4		Benz[il]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	60
5		4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050916\
Data File : BF086846.D
Acq On : 10 May 2016 3:19
Operator : UM/SJ
Sample : H2895-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP8-10.5-12FT

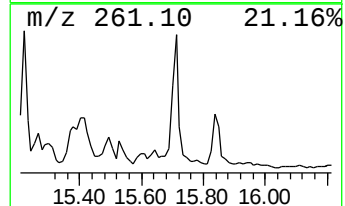
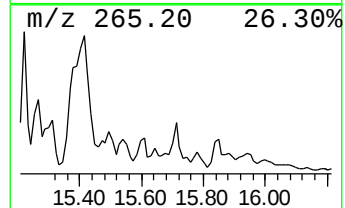
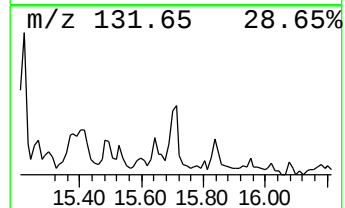
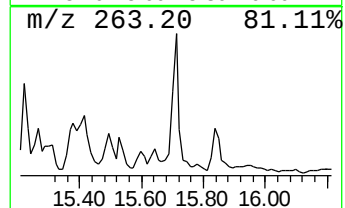
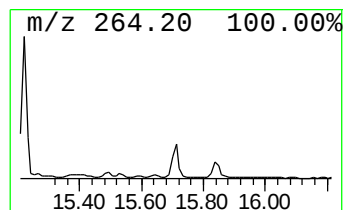
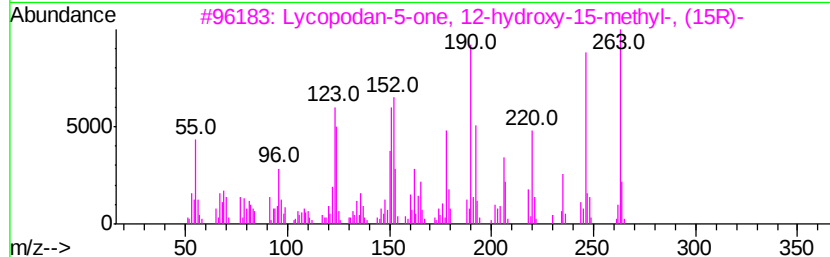
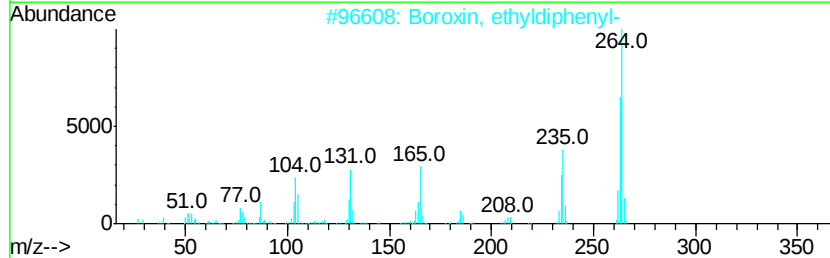
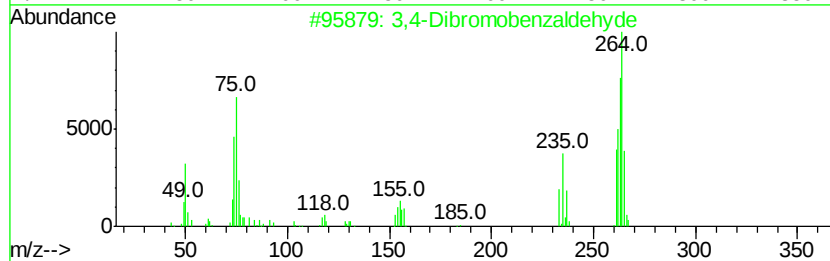
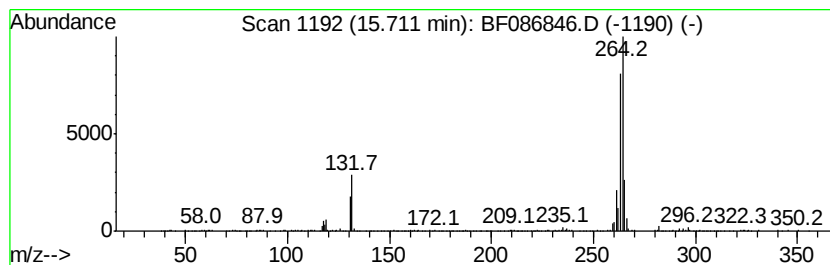
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 3,4-Dibromobenzaldehyde Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.71	7.23 ng	331151	Perylene-d12	15.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	72
2		Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	53
3		Lycopodan-5-one, 12-hydroxy-15-methyl-, (15R)-	263	C16H25NO2	006900-92-1	42
4		1H-Pyrazole-4-carbonitrile, 3-(4-ethylphenyl)-	263	C12H10ClN3S	068364-67-0	38
5		Iron, (.eta.-5-cyclopentadienyl)-	264	C16H16Fe	1000155-06-6	32



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050916\
Data File : BF086846.D
Acq On : 10 May 2016 3:19
Operator : UM/SJ
Sample : H2895-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP8-10.5-12FT

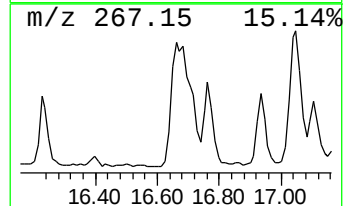
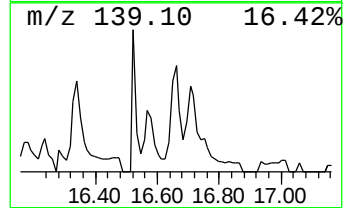
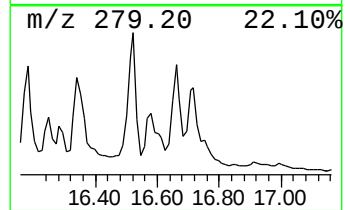
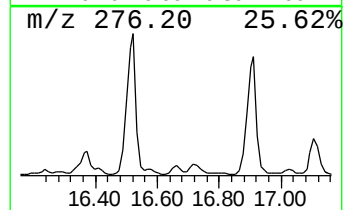
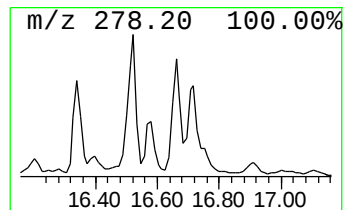
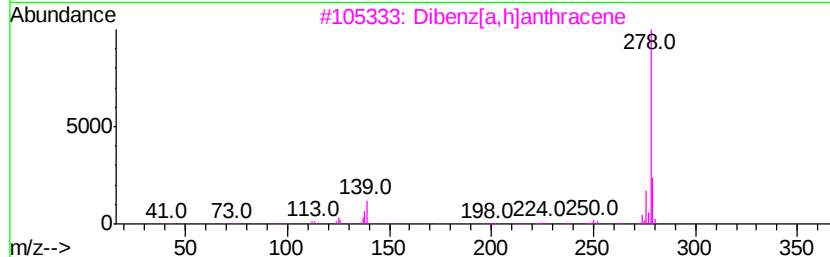
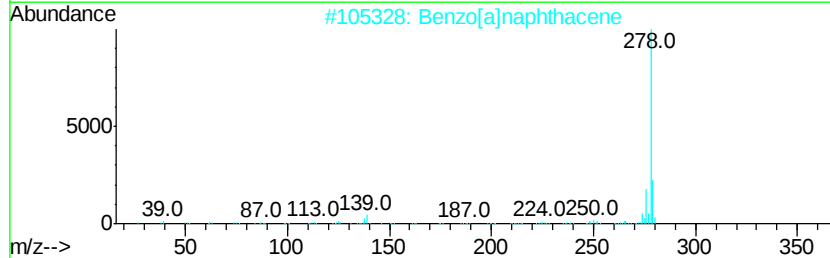
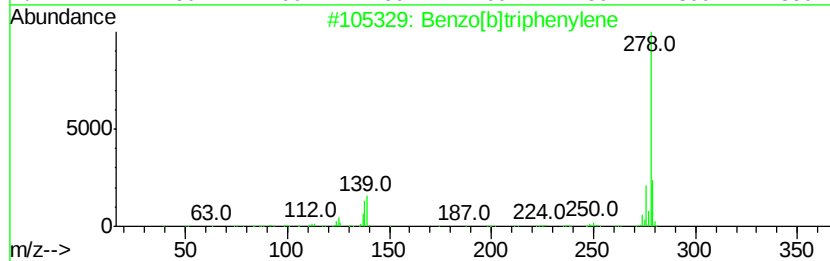
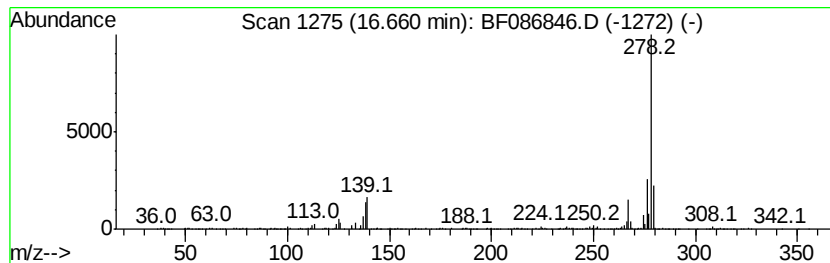
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benzo[b]triphenylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	12.81 ng	586819	Perylene-d12	15.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2		Benzo[a]naphthacene	278	C22H14	000226-88-0	95
3		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
4		Pentacene	278	C22H14	000135-48-8	93
5		1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050916\
Data File : BF086846.D
Acq On : 10 May 2016 3:19
Operator : UM/SJ
Sample : H2895-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP8-10.5-12FT

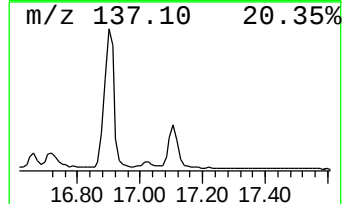
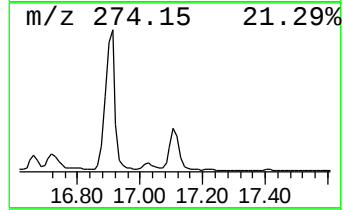
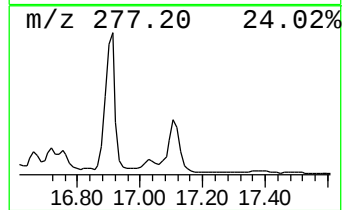
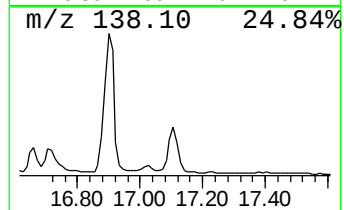
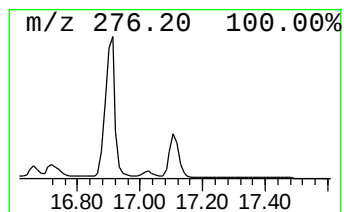
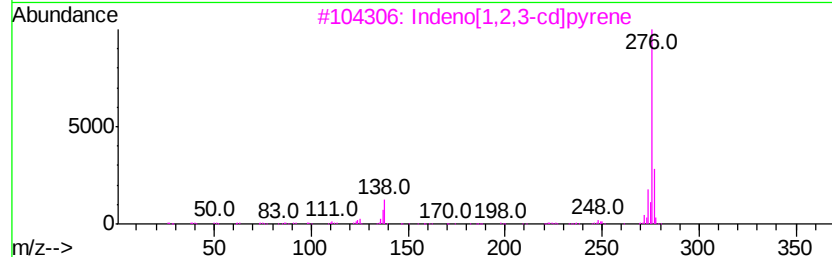
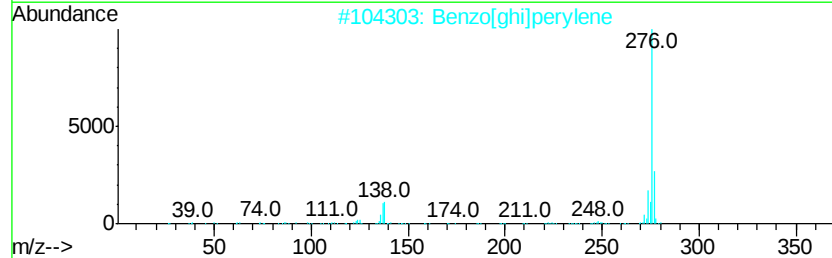
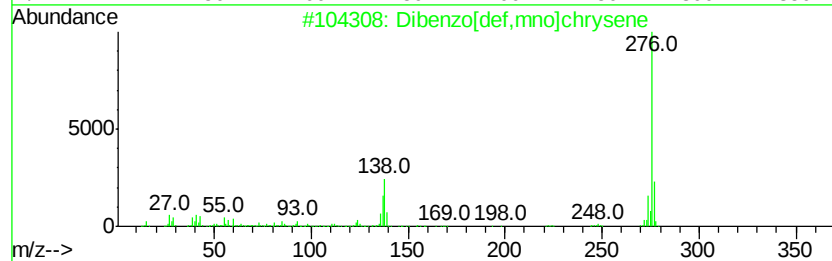
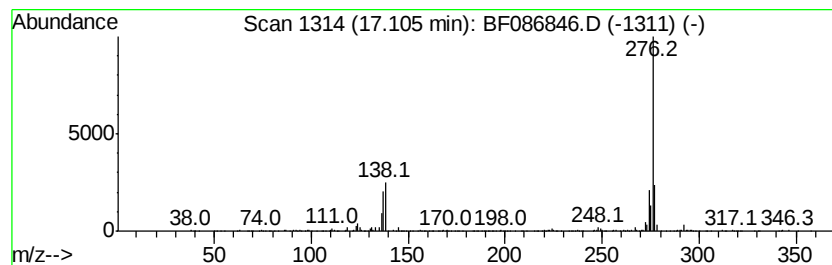
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Dibenzo[def,mno]chrysene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.11	17.69 ng	810394	Perylene-d12	15.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	97
2		Benzo[ghi]perylene	276	C22H12	000191-24-2	94
3		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	92
4		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	83
5		Phosphoric acid, 4-methoxy-2-(me...	276	C11H17O6P	094420-71-0	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050916\
Data File : BF086846.D
Acq On : 10 May 2016 3:19
Operator : UM/SJ
Sample : H2895-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP8-10.5-12FT

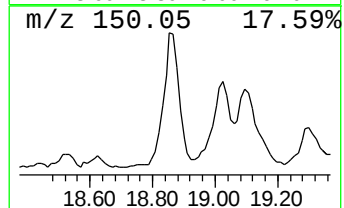
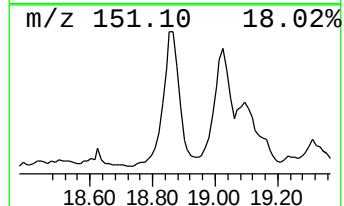
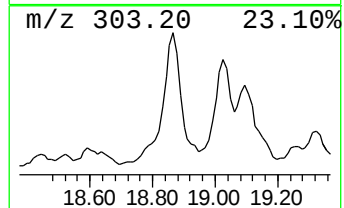
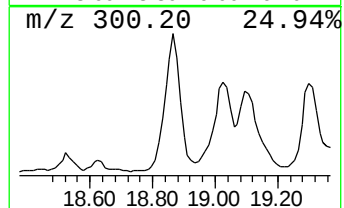
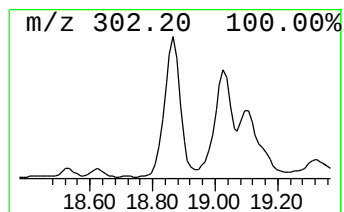
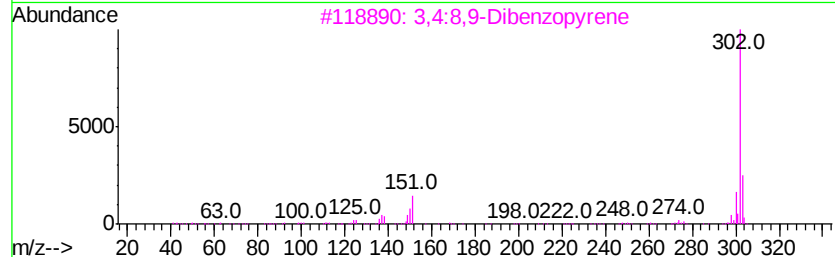
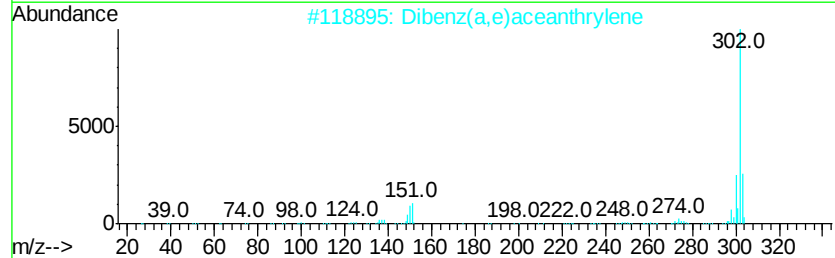
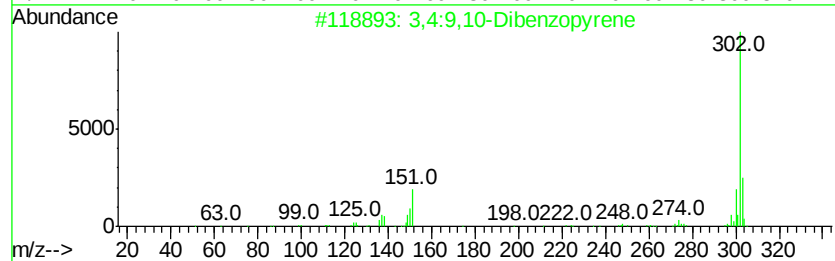
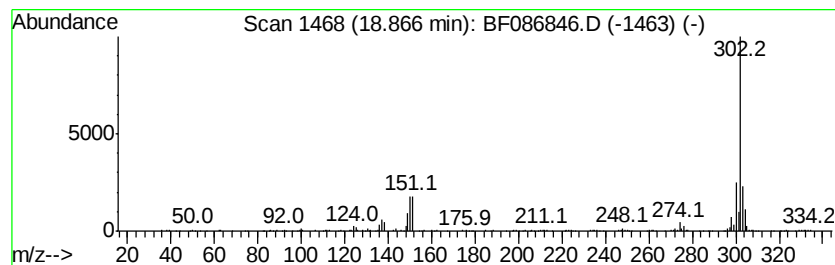
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 3,4:9,10-Dibenzopyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	18.40 ng	842792	Perylene-d12	15.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	98
2		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	97
3		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	96
4		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
5		Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050916\
Data File : BF086846.D
Acq On : 10 May 2016 3:19
Operator : UM/SJ
Sample : H2895-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP8-10.5-12FT

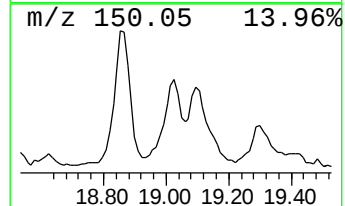
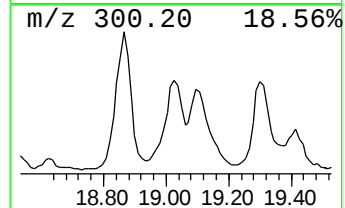
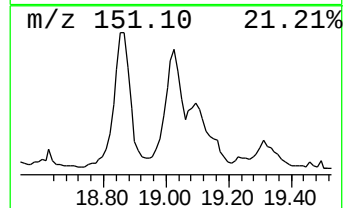
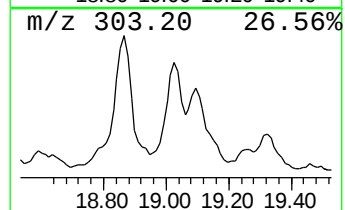
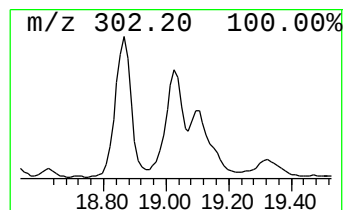
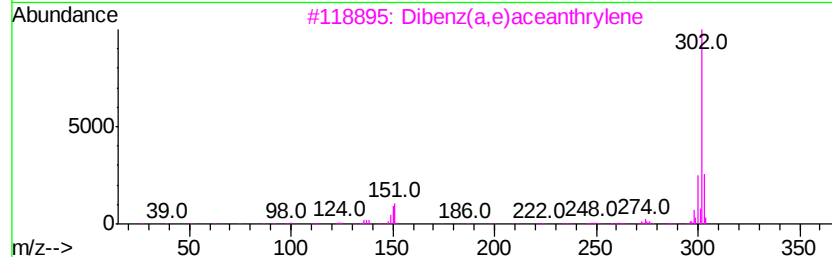
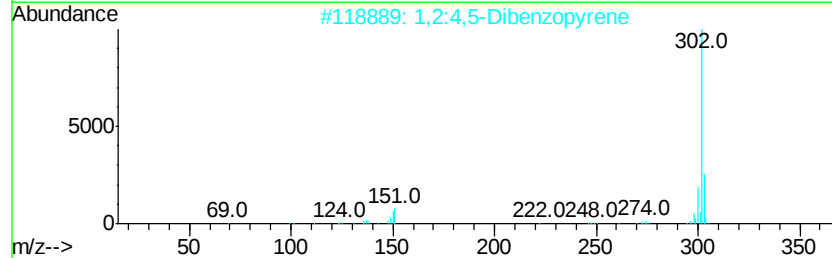
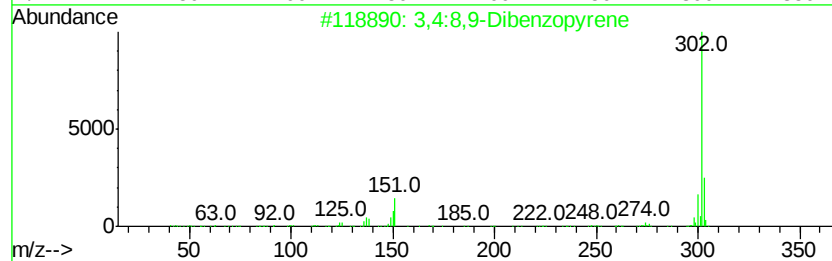
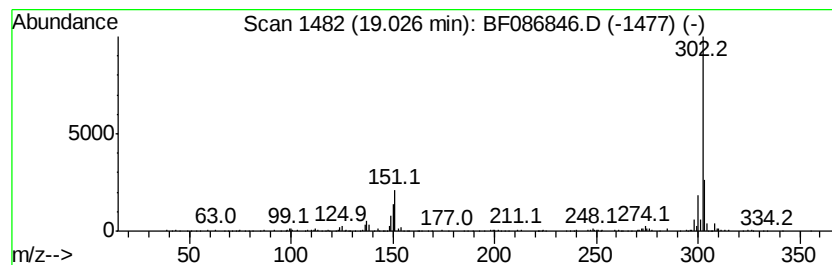
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 3,4:8,9-Dibenzopyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	9.91 ng	454113	Perylene-d12	15.22

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	98
2			1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	97
3			Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	96
4			3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	87
5			Dibenzo[fg,op]naphthacene	302	C24H14	000192-51-8	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050916\
Data File : BF086846.D
Acq On : 10 May 2016 3:19
Operator : UM/SJ
Sample : H2895-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

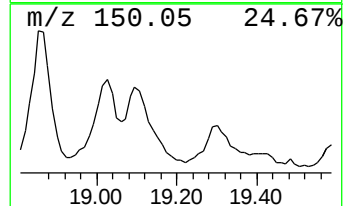
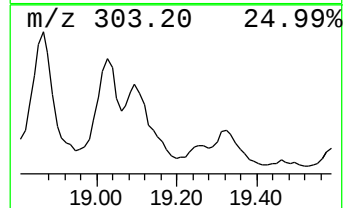
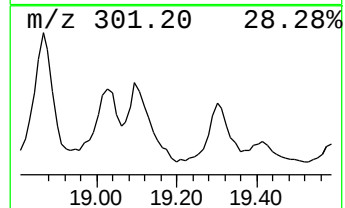
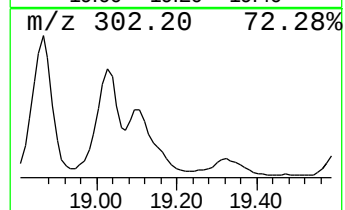
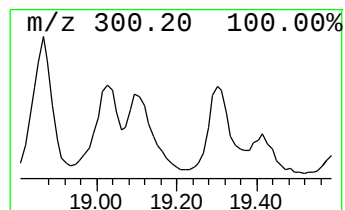
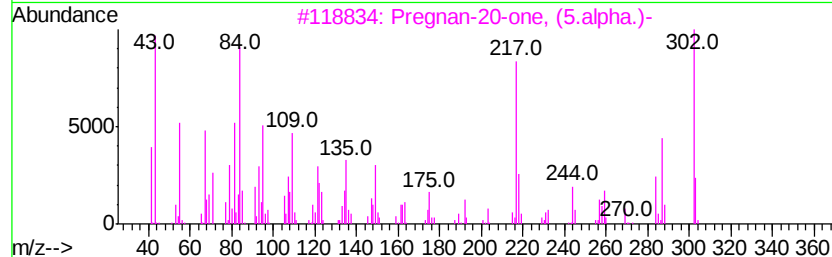
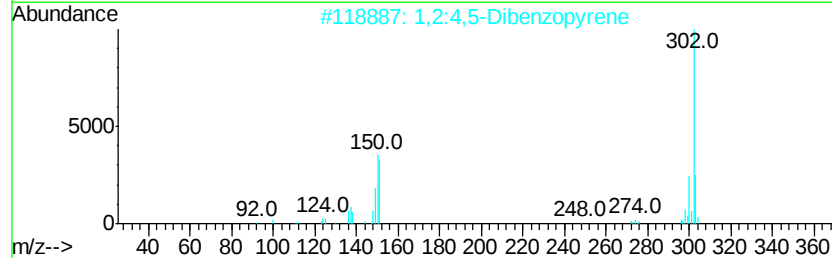
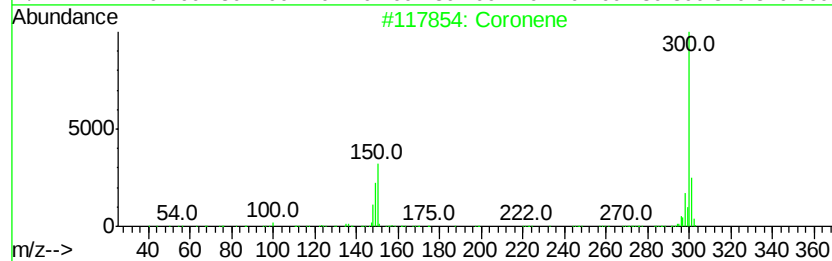
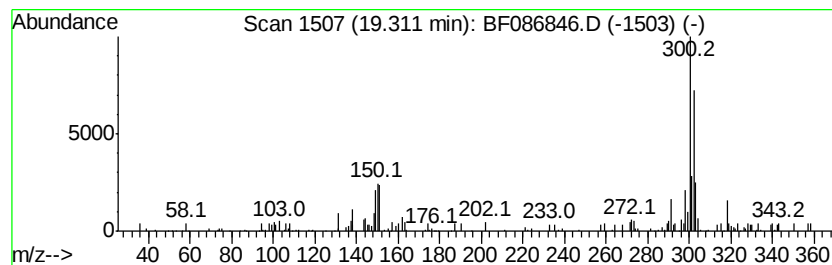
Instrument :
BNA_F
ClientSampleId :
TP8-10.5-12FT

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Coronene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.31	10.13 ng	464011	Perylene-d12	15.22
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Coronene		300 C24H12	000191-07-1 55
2	1,2:4,5-Dibenzopyrene		302 C24H14	000192-65-4 38
3	Pregnan-20-one, (5.alpha.)-		302 C21H34O	000848-62-4 35
4	D-Homopregnan-17a(20)-ene, (5.alpha.)-		300 C22H36	054482-44-9 30
5	Hydroxysandaracopimaric acid		318 C20H30O3	001235-75-2 27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050916\
 Data File : BF086846.D
 Acq On : 10 May 2016 3:19
 Operator : UM/SJ
 Sample : H2895-12
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP8-10.5-12FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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...	4.86	10.4	ng	568002	1	6.69	1095630	20.0
unknown6.46	6.46	98.7	ng	5406270	1	6.69	1095630	20.0
4H-Cyclopenta[def...	11.81	8.6	ng	3162010	4	11.21	7372370	20.0
11H-Benzo[a]fluorene	12.97	7.8	ng	2356220	5	13.84	6069940	20.0
Ethanone, 1-[4-me...	14.55	11.9	ng	547354	6	15.22	916203	20.0
9-Octadecenamide, ...	14.60	138.4	ng	6338630	6	15.22	916203	20.0
9H-Fluorene, 9-(p...	14.69	11.1	ng	509362	6	15.22	916203	20.0
Benzo[e]pyrene	14.93	31.4	ng	1437110	6	15.22	916203	20.0
Dinaphtho[1,2-b:1...	15.03	9.7	ng	444576	6	15.22	916203	20.0
8H-Indeno[2,1-b]p...	15.41	24.3	ng	1112050	6	15.22	916203	20.0
3,4-Dibromobenzal...	15.71	7.2	ng	331151	6	15.22	916203	20.0
Benzo[b]triphenylene	16.66	12.8	ng	586819	6	15.22	916203	20.0
Dibenzo[def,mno]c...	17.11	17.7	ng	810394	6	15.22	916203	20.0
3,4:9,10-Dibenzop...	18.87	18.4	ng	842792	6	15.22	916203	20.0
3,4:8,9-Dibenzopy...	19.03	9.9	ng	454113	6	15.22	916203	20.0
Coronene	19.31	10.1	ng	464011	6	15.22	916203	20.0