

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
 Data File : BF093229.D
 Acq On : 28 Feb 2017 2:37
 Operator : SJ/MA
 Sample : I1997-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1E-ESW-2

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-BF013017.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	4.978	250	253	261	rVB	1080209	1397595	27.36%	1.654%
2	5.424	289	292	294	rBV	2578287	3167276	62.01%	3.747%
3	6.476	381	384	386	rBV	2704222	3428523	67.12%	4.057%
4	6.590	392	394	396	rBV	3399321	3049782	59.71%	3.608%
5	6.819	412	414	416	rBV	1086533	972519	19.04%	1.151%
6	6.979	425	428	430	rBV	2098514	2562366	50.16%	3.032%
7	7.390	461	464	466	rBV	2185703	2204023	43.15%	2.608%
8	8.099	524	526	531	rBV2	1062011	1509705	29.56%	1.786%
9	8.522	561	563	568	rVB	75932	118150	2.31%	0.140%
10	8.750	580	583	587	rBV3	38606	74147	1.45%	0.088%
11	8.819	587	589	591	rVB	194222	185334	3.63%	0.219%
12	8.910	596	597	600	rVB	143034	135008	2.64%	0.160%
13	9.185	618	621	623	rBV	2883561	3376232	66.10%	3.995%
14	9.276	625	629	632	rBV2	76843	169981	3.33%	0.201%
15	9.447	641	644	646	rBV	83752	118175	2.31%	0.140%
16	9.516	646	650	651	rBV	152856	167977	3.29%	0.199%
17	9.539	651	652	653	rVV	81642	77480	1.52%	0.092%
18	9.573	653	655	658	rVV	711475	916127	17.93%	1.084%
19	9.630	658	660	665	rVB2	83595	130896	2.56%	0.155%
20	9.722	665	668	670	rBV	456753	498596	9.76%	0.590%
21	9.790	670	674	676	rBV	104496	108981	2.13%	0.129%
22	9.859	676	680	681	rBV	1304557	1271632	24.89%	1.505%
23	9.893	681	683	684	rVB	253104	279651	5.47%	0.331%
24	10.019	691	694	696	rBV2	77519	140647	2.75%	0.166%
25	10.065	696	698	700	rVV	195398	220336	4.31%	0.261%
26	10.099	700	701	703	rVB2	74773	75461	1.48%	0.089%
27	10.168	706	707	709	rBV	71328	107589	2.11%	0.127%
28	10.282	713	717	721	rBV3	157572	328869	6.44%	0.389%
29	10.408	726	728	731	rVB2	216354	308792	6.05%	0.365%
30	10.465	731	733	734	rBV	46323	83075	1.63%	0.098%
31	10.510	734	737	740	rVB2	86026	135445	2.65%	0.160%
32	10.556	740	741	743	rVB	93585	111633	2.19%	0.132%
33	10.648	745	749	751	rBV	1567831	1540100	30.15%	1.822%
34	10.773	757	760	762	rBV2	258529	410669	8.04%	0.486%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
 Data File : BF093229.D
 Acq On : 28 Feb 2017 2:37
 Operator : SJ/MA
 Sample : I1997-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1E-ESW-2

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-BF013017.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.956	772	776	777	rBV2	93486	173296	3.39%	0.205%
36	11.105	784	789	791	rBV2	128742	307020	6.01%	0.363%
37	11.150	791	793	795	rVV	210021	188338	3.69%	0.223%
38	11.208	795	798	799	rVV2	198565	271232	5.31%	0.321%
39	11.242	799	801	804	rVB	196157	249231	4.88%	0.295%
40	11.345	807	810	811	rBV	1042927	1267573	24.82%	1.500%
41	11.368	811	812	814	rVV	2668294	2094186	41.00%	2.478%
42	11.413	814	816	818	rVB	596262	760427	14.89%	0.900%
43	11.448	818	819	821	rBV2	104620	141931	2.78%	0.168%
44	11.573	827	830	834	rBV3	270416	586590	11.48%	0.694%
45	11.631	834	835	837	rVV2	210314	246884	4.83%	0.292%
46	11.676	837	839	841	rVB2	92873	120996	2.37%	0.143%
47	11.848	851	854	855	rBV	425994	449359	8.80%	0.532%
48	11.871	855	856	858	rVB	595450	543137	10.63%	0.643%
49	11.916	858	860	862	rBV2	226008	301642	5.91%	0.357%
50	11.962	862	864	868	rVB	595819	1158892	22.69%	1.371%
51	12.042	868	871	873	rBV3	179123	320070	6.27%	0.379%
52	12.076	873	874	876	rVV2	106672	101630	1.99%	0.120%
53	12.145	877	880	881	rVV2	258883	365184	7.15%	0.432%
54	12.168	881	882	885	rVB	240642	295515	5.79%	0.350%
55	12.293	890	893	894	rBV3	151347	263290	5.15%	0.312%
56	12.316	894	895	897	rBV	104102	152156	2.98%	0.180%
57	12.396	899	902	903	rBV	472076	544492	10.66%	0.644%
58	12.431	903	905	908	rVB2	397068	541104	10.59%	0.640%
59	12.488	908	910	914	rBV	349796	453184	8.87%	0.536%
60	12.568	914	917	919	rBV	4139821	4639195	90.82%	5.489%
61	12.625	919	922	923	rVV2	131884	185028	3.62%	0.219%
62	12.659	923	925	926	rVB	150908	184073	3.60%	0.218%
63	12.705	926	929	931	rBV2	256240	397045	7.77%	0.470%
64	12.796	933	937	939	rBV2	3910335	5108077	100.00%	6.044%
65	12.842	939	941	943	rVB2	251246	344002	6.73%	0.407%
66	12.933	944	949	952	rBV2	2155975	2966352	58.07%	3.510%
67	13.013	952	956	959	rBV3	408541	870519	17.04%	1.030%
68	13.116	961	965	967	rVB	665498	1099422	21.52%	1.301%
69	13.162	967	969	970	rBV	128469	237476	4.65%	0.281%
70	13.185	970	971	972	rVV	340034	259185	5.07%	0.307%
71	13.219	972	974	978	rVV2	628603	853660	16.71%	1.010%

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093229.D
Acq On : 28 Feb 2017 2:37
Operator : SJ/MA
Sample : I1997-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-B1E-ESW-2

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-BF013017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.276	978	979	980	rVV	129448	109537	2.14%	0.130%
73	13.311	980	982	983	rVV	405659	369226	7.23%	0.437%
74	13.345	983	985	989	rVB2	371021	467778	9.16%	0.553%
75	13.505	996	999	1001	rBV4	152973	375163	7.34%	0.444%
76	13.631	1008	1010	1012	rVB	572403	510918	10.00%	0.605%
77	13.734	1017	1019	1020	rBV	544988	589795	11.55%	0.698%
78	13.791	1023	1024	1026	rVV2	321836	403125	7.89%	0.477%
79	13.836	1026	1028	1030	rVB2	525832	774109	15.15%	0.916%
80	13.905	1032	1034	1037	rBV2	119806	185031	3.62%	0.219%
81	13.985	1037	1041	1043	rBV2	2445438	4654551	91.12%	5.507%
82	14.019	1043	1044	1046	rVV	2186801	1684329	32.97%	1.993%
83	14.099	1048	1051	1052	rBV2	330233	454883	8.91%	0.538%
84	14.145	1052	1055	1057	rBV3	191542	345417	6.76%	0.409%
85	14.339	1071	1072	1073	rBV	183182	191397	3.75%	0.226%
86	14.374	1073	1075	1077	rVV	528084	684689	13.40%	0.810%
87	14.408	1077	1078	1080	rVV	299015	322658	6.32%	0.382%
88	14.454	1080	1082	1085	rVV3	253343	476717	9.33%	0.564%
89	14.499	1085	1086	1089	rVB2	278419	387575	7.59%	0.459%
90	14.865	1115	1118	1121	rBV2	213620	388201	7.60%	0.459%
91	15.025	1128	1132	1136	rBV	1780570	4033082	78.95%	4.772%
92	15.117	1139	1140	1142	rVB	460789	453610	8.88%	0.537%
93	15.311	1154	1157	1160	rBV	1067080	1551173	30.37%	1.835%
94	15.368	1160	1162	1165	rVV	1434524	1932648	37.84%	2.287%
95	15.425	1165	1167	1168	rVV	537391	627087	12.28%	0.742%
96	15.459	1168	1170	1173	rVB2	442071	690479	13.52%	0.817%
97	16.831	1286	1290	1294	rBV	741480	1466607	28.71%	1.735%
98	16.991	1301	1304	1307	rBV	148127	328125	6.42%	0.388%
99	17.265	1324	1328	1332	rVB	542963	1163559	22.78%	1.377%
100	17.483	1344	1347	1354	rVB2	181827	472100	9.24%	0.559%

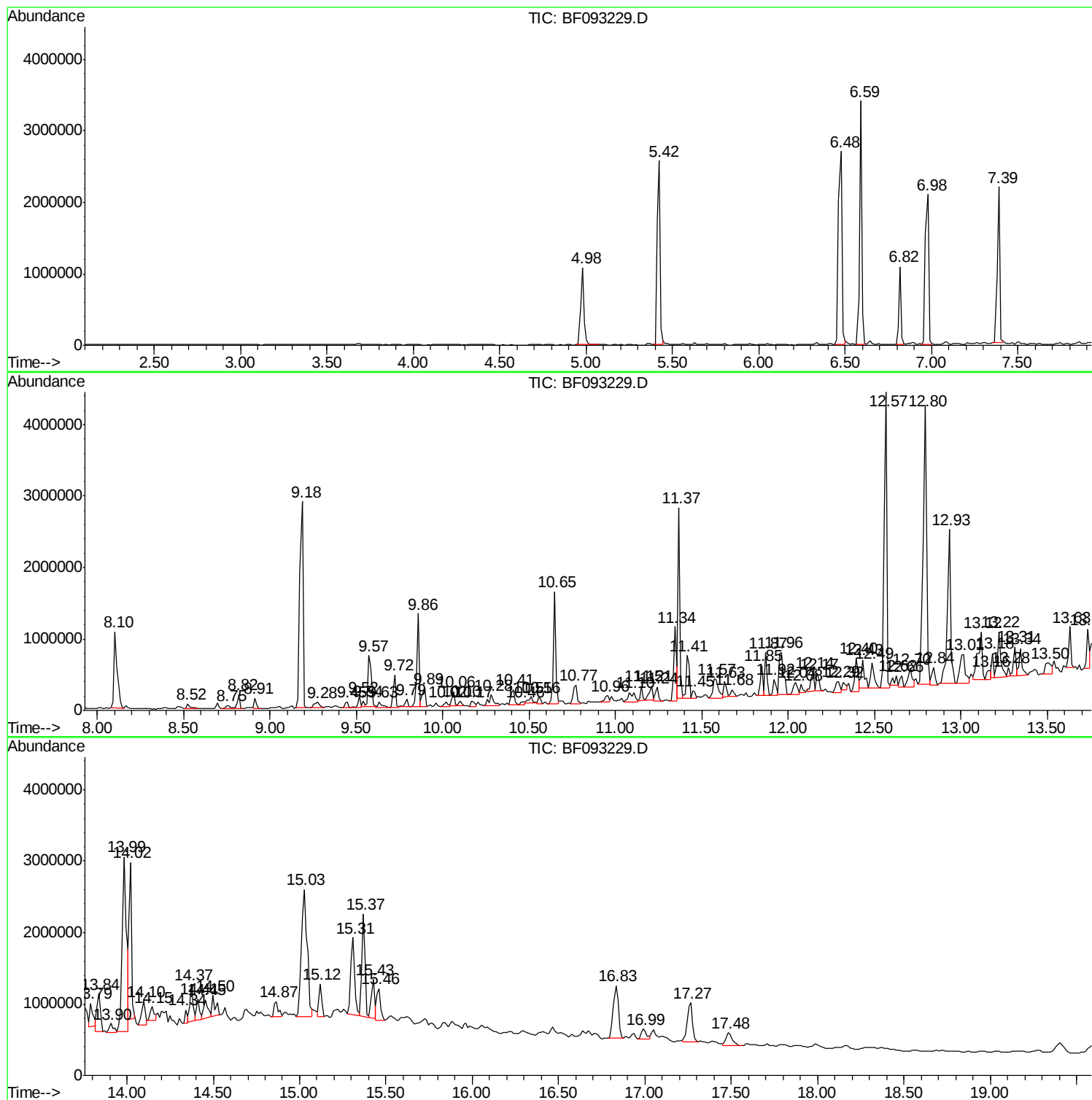
Sum of corrected areas: 84517734

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
Data File : BF093229.D
Acq On : 28 Feb 2017 2:37
Operator : SJ/MA
Sample : I1997-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-B1E-ESW-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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\BF022717\
Data File : BF093229.D
Acq On : 28 Feb 2017 2:37
Operator : SJ/MA
Sample : I1997-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-B1E-ESW-2

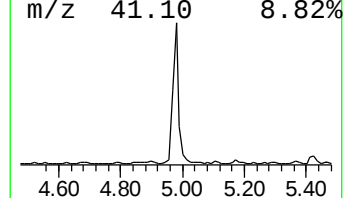
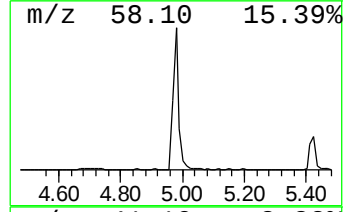
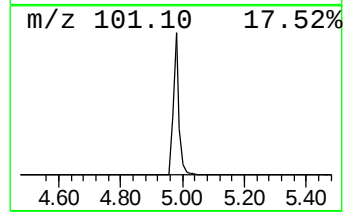
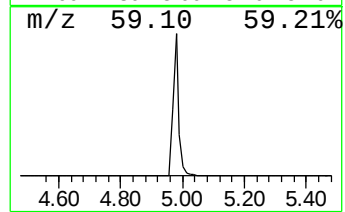
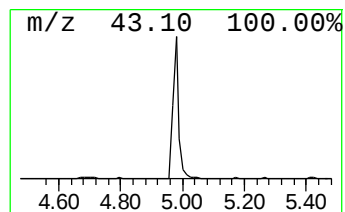
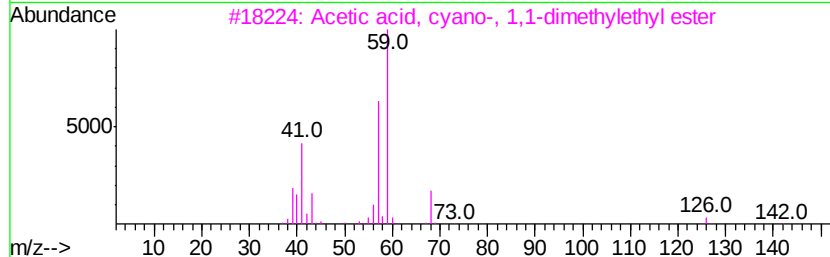
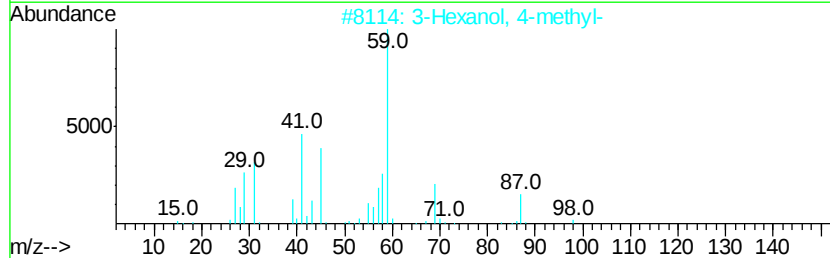
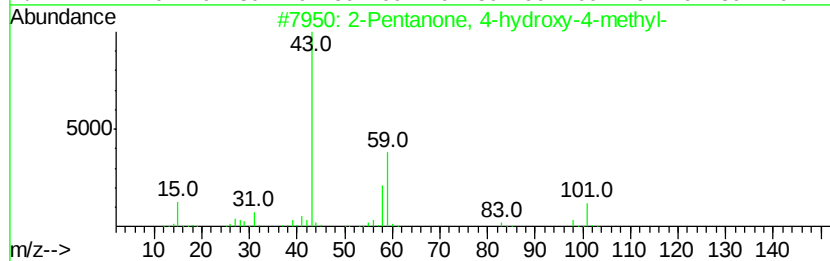
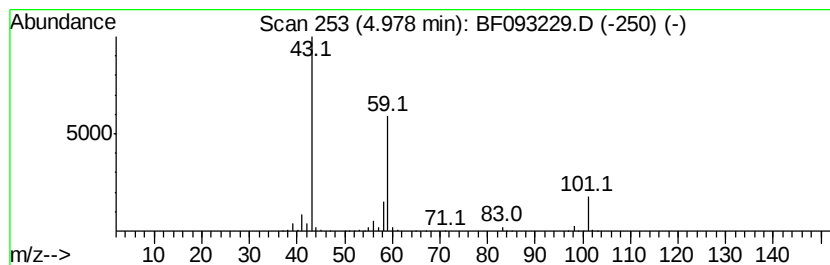
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.98	28.74 ng	1397600	1,4-Dichlorobenzene-d4	6.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59		
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33		
3	Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	23		
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9		
5	Propanoic acid, 2-nitro-, methyl...	133	C4H7NO4	006118-50-9	9		



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093229.D
Acq On : 28 Feb 2017 2:37
Operator : SJ/MA
Sample : I1997-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-B1E-ESW-2

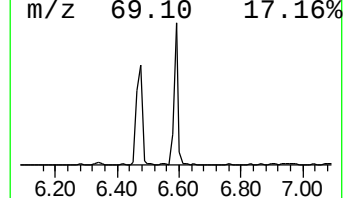
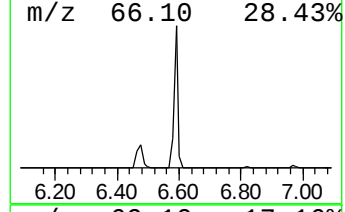
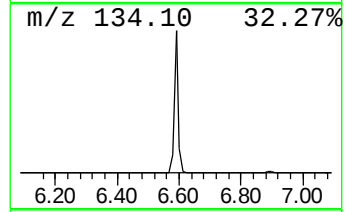
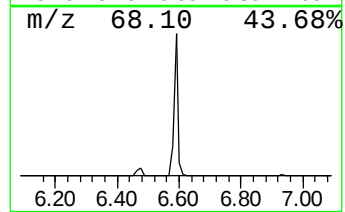
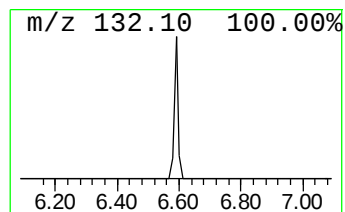
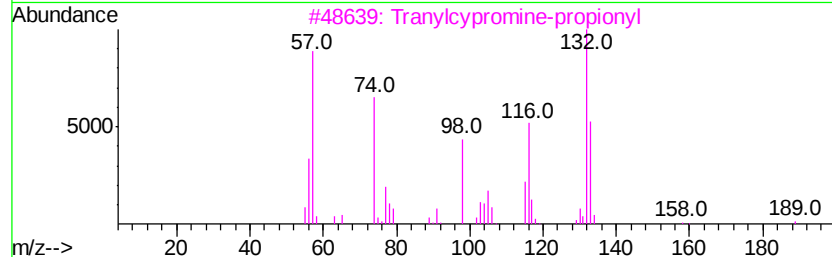
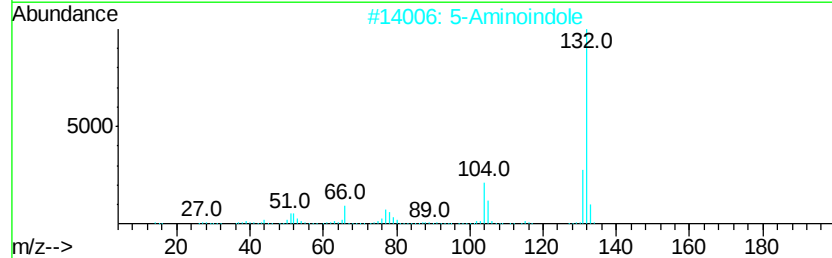
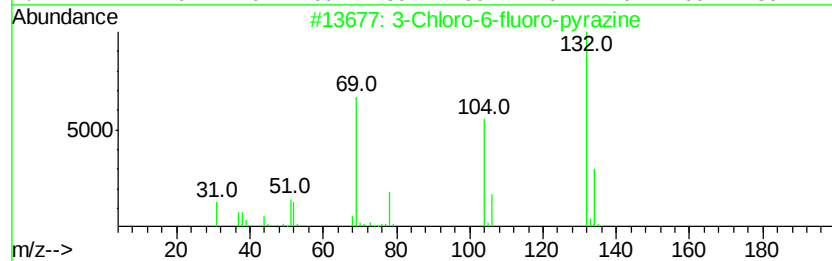
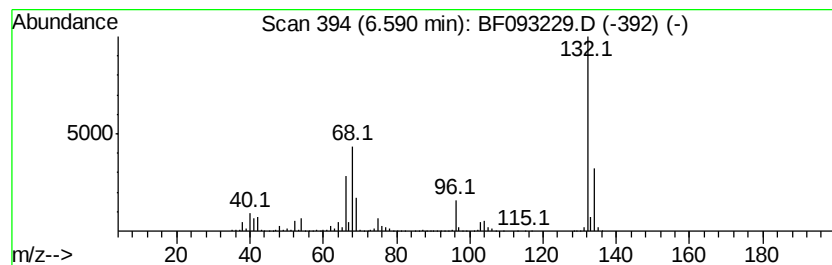
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.59 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	62.72 ng	3049780	1,4-Dichlorobenzene-d4	6.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Aminoindole	132	C8H8N2	005192-03-0	12
3		Tranvlcyproline-propionyl	189	C12H15NO	1000123-86-3	10
4		Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9
5		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
Data File : BF093229.D
Acq On : 28 Feb 2017 2:37
Operator : SJ/MA
Sample : I1997-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

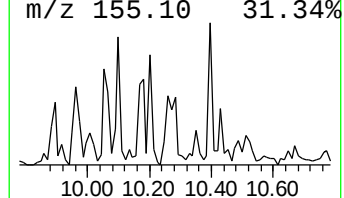
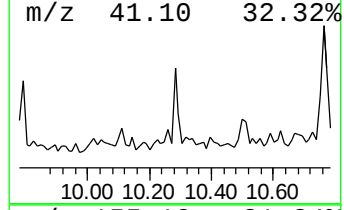
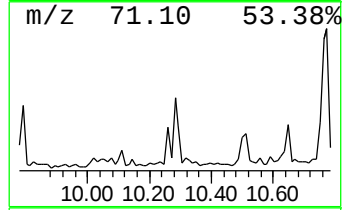
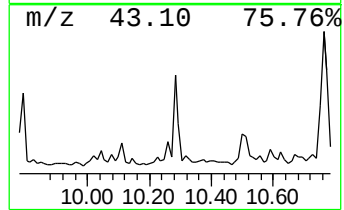
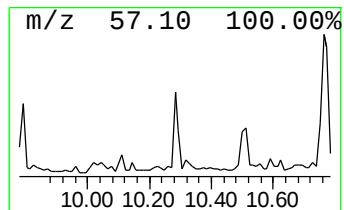
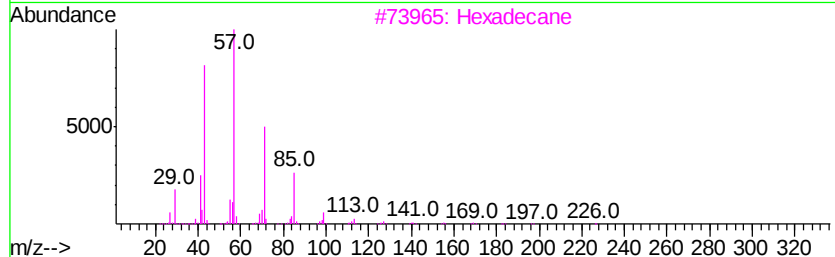
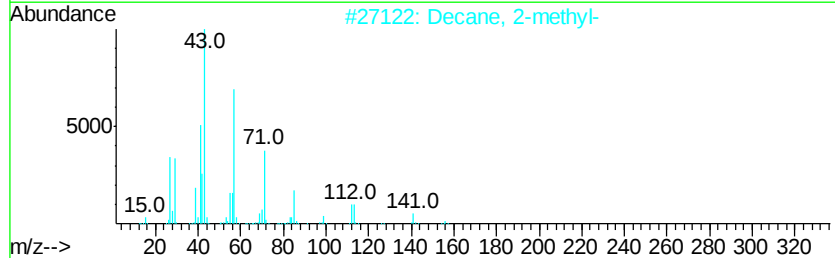
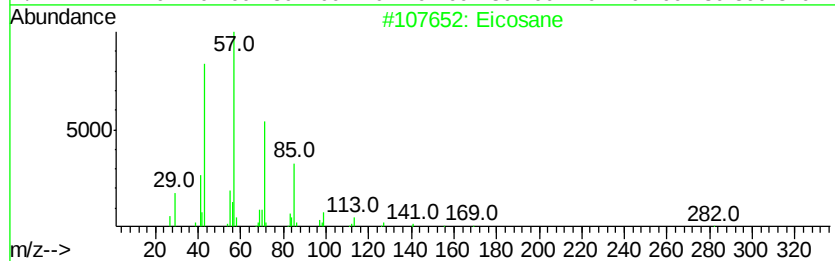
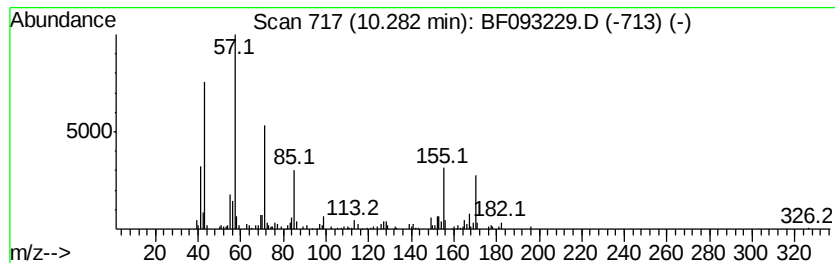
Instrument :
BNA_F
ClientSampleId :
E2-B1E-ESW-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 unknown10.28 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.28	5.17 ng	328869	Acenaphthene-d10	9.86	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	49
2	Decane, 2-methyl-	156	C11H24	006975-98-0	47
3	Hexadecane	226	C16H34	000544-76-3	46
4	Undecane	156	C11H24	001120-21-4	45
5	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
Data File : BF093229.D
Acq On : 28 Feb 2017 2:37
Operator : SJ/MA
Sample : I1997-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-B1E-ESW-2

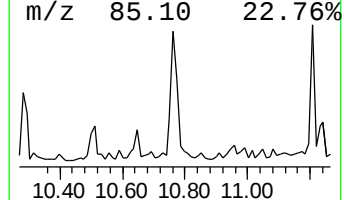
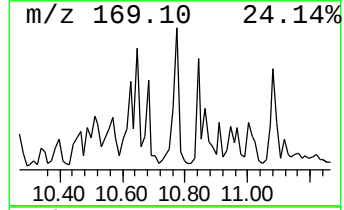
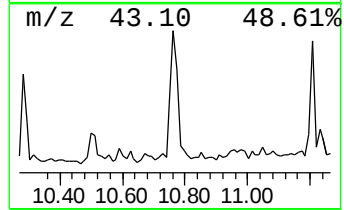
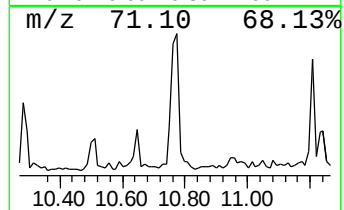
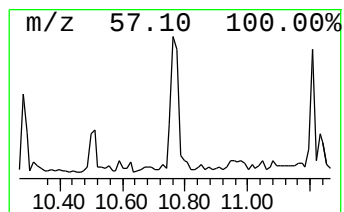
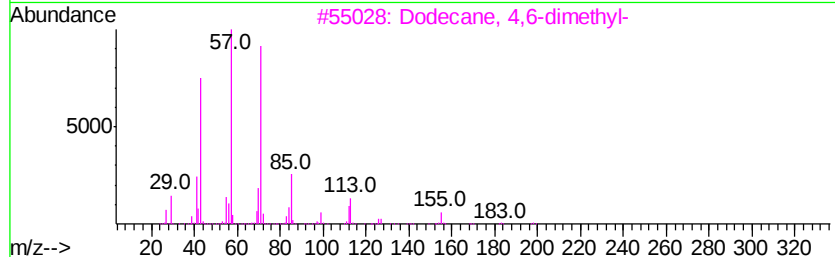
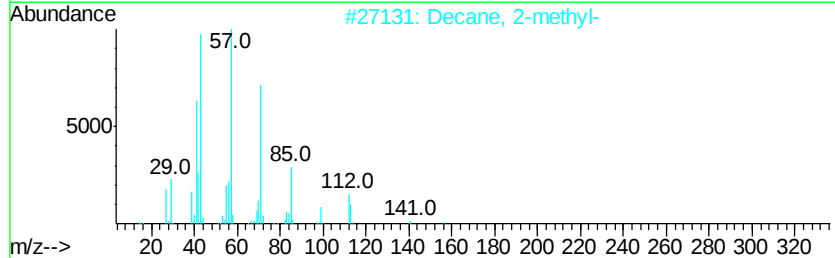
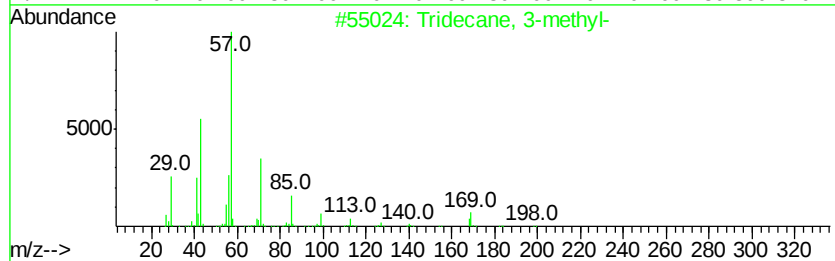
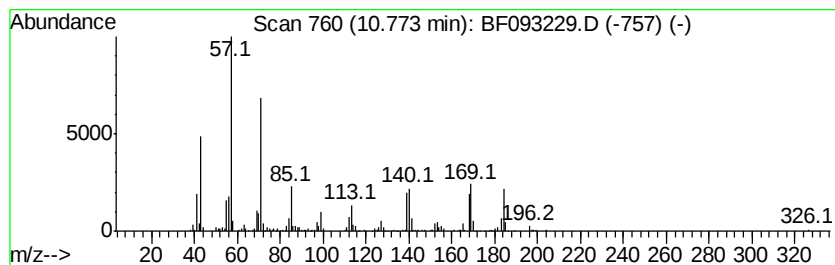
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown10.77 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	6.48 ng	410669	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 3-methyl-	198	C14H30	006418-41-3	43
2		Decane, 2-methyl-	156	C11H24	006975-98-0	42
3		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	38
4		Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	35
5		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	30



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093229.D
Acq On : 28 Feb 2017 2:37
Operator : SJ/MA
Sample : I1997-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-B1E-ESW-2

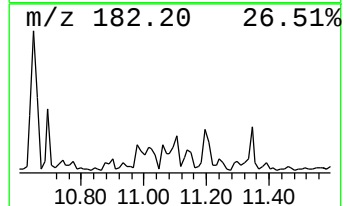
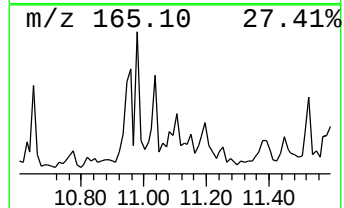
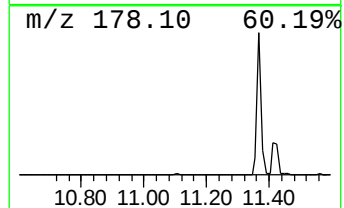
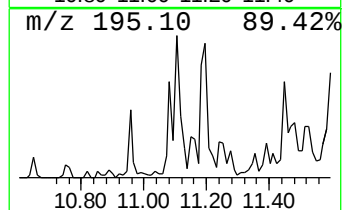
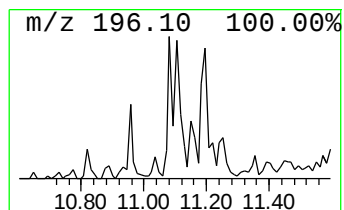
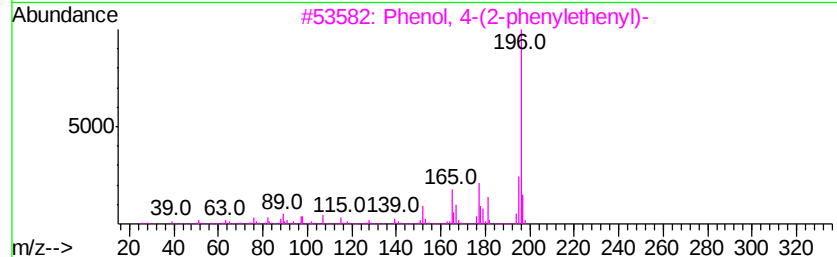
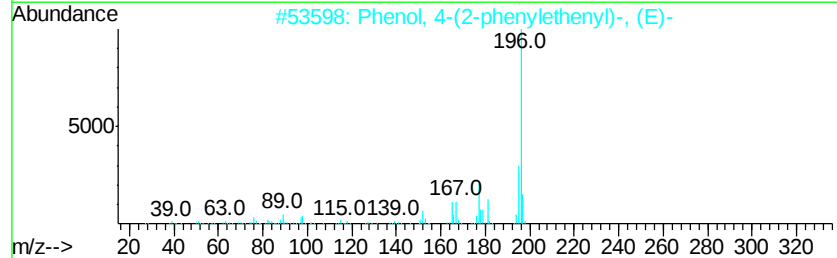
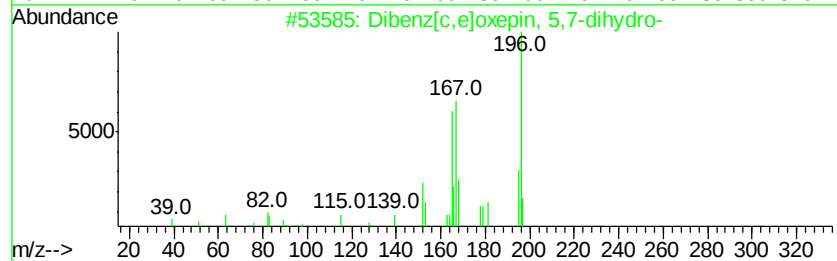
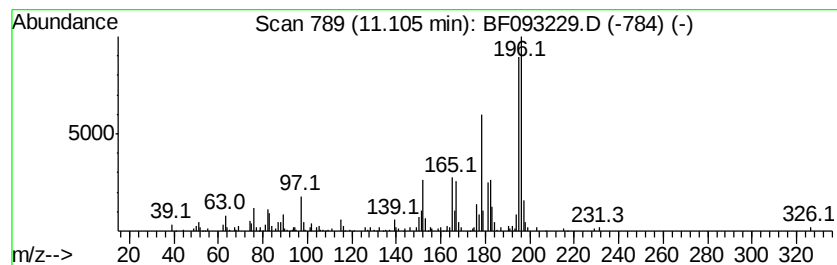
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Dibenz[c,e]oxepin, 5,7-dihy... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	4.84 ng	307020	Phenanthrene-d10	11.34

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	50
2			Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49
3			Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	46
4			Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	45
5			Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
Data File : BF093229.D
Acq On : 28 Feb 2017 2:37
Operator : SJ/MA
Sample : I1997-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

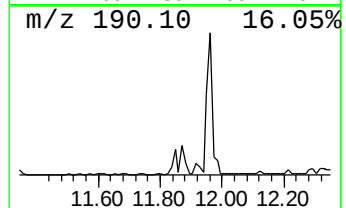
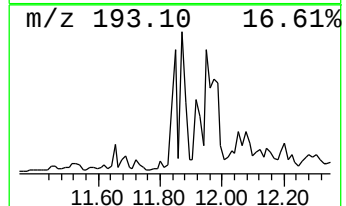
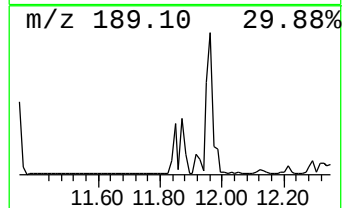
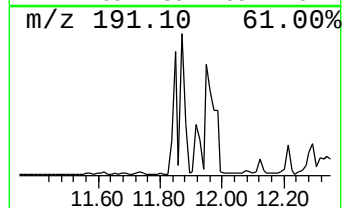
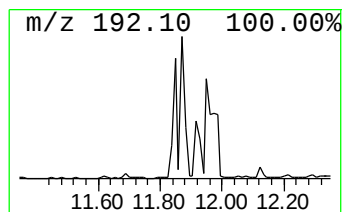
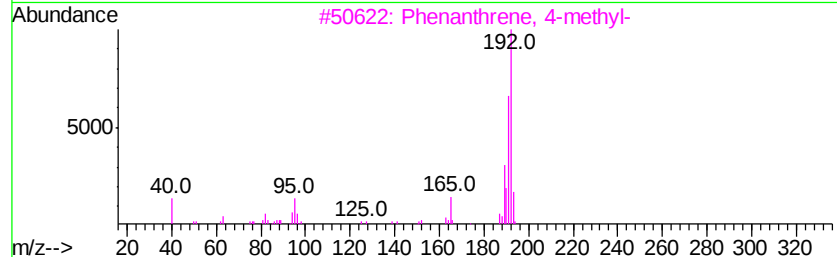
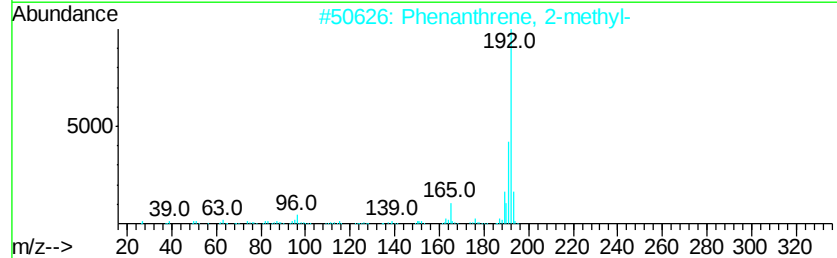
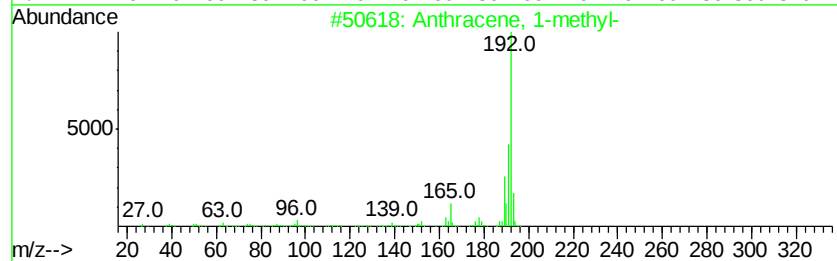
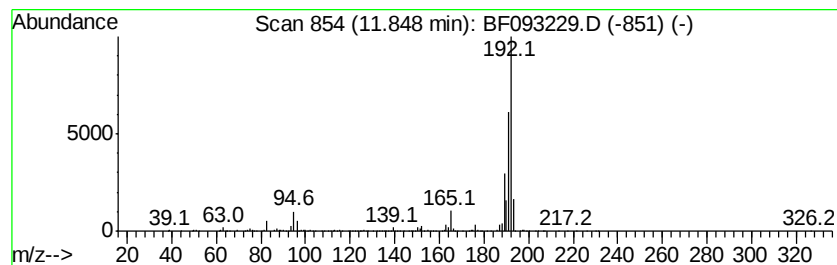
Instrument :
BNA_F
ClientSampleId :
E2-B1E-ESW-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Anthracene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.85	7.09 ng	449359	Phenanthrene-d10		11.34
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093229.D
Acq On : 28 Feb 2017 2:37
Operator : SJ/MA
Sample : I1997-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

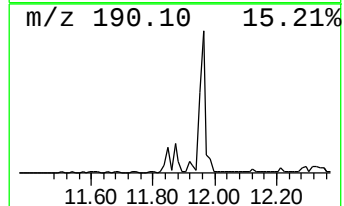
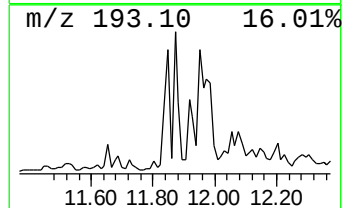
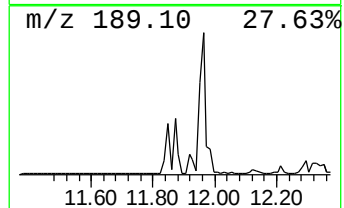
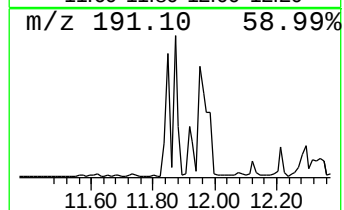
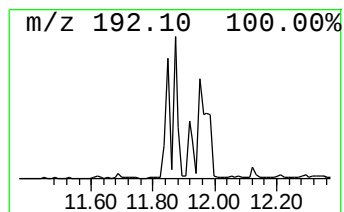
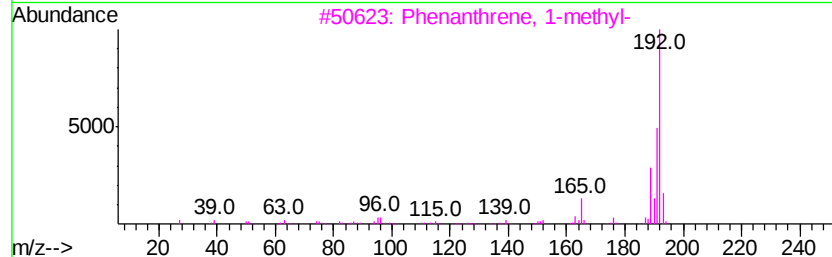
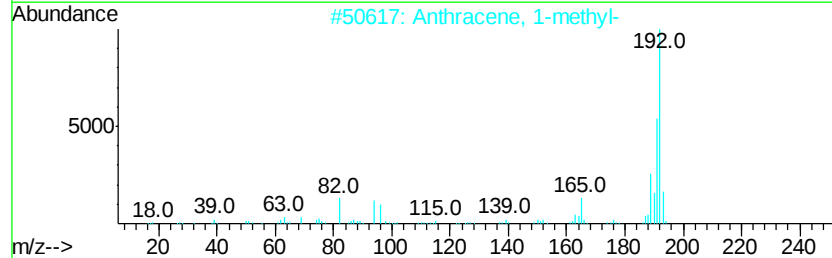
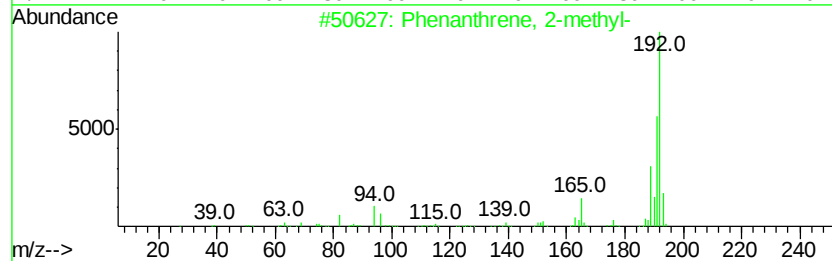
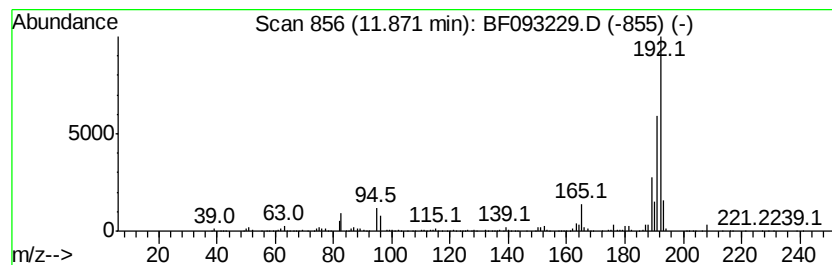
Instrument :
BNA_F
ClientSampleId :
E2-B1E-ESW-2

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.87	8.57 ng	543137	Phenanthrene-d10	11.34	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
Data File : BF093229.D
Acq On : 28 Feb 2017 2:37
Operator : SJ/MA
Sample : I1997-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-B1E-ESW-2

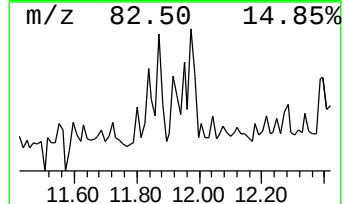
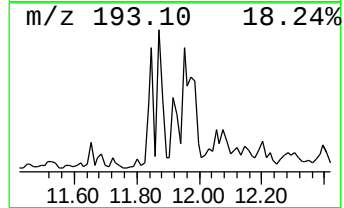
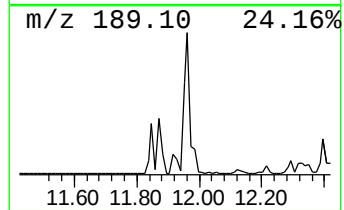
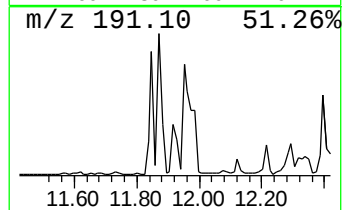
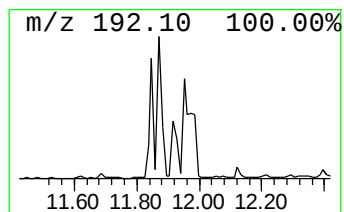
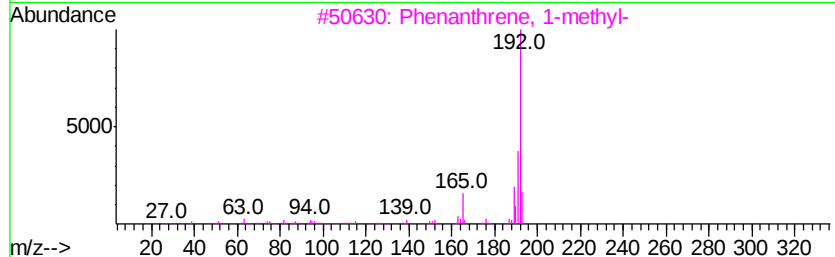
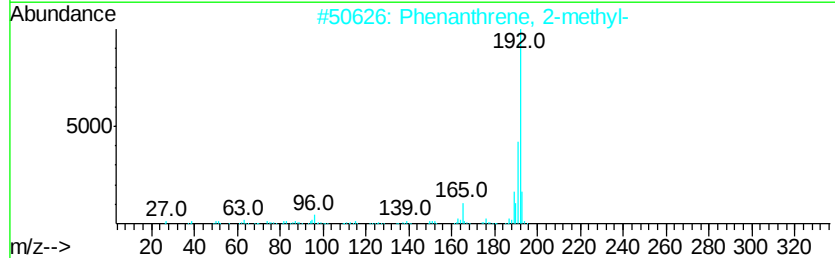
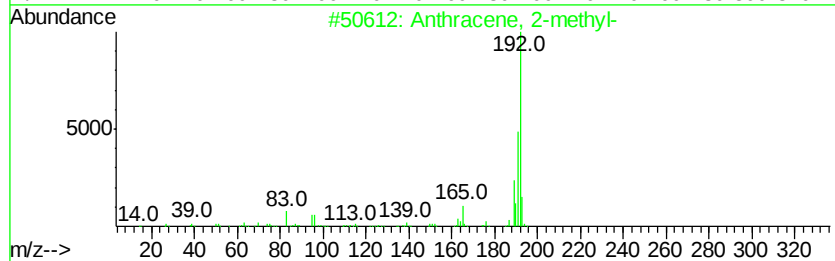
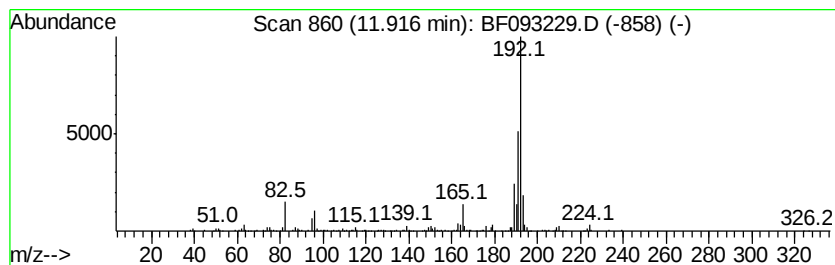
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	4.76 ng	301642	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
Data File : BF093229.D
Acq On : 28 Feb 2017 2:37
Operator : SJ/MA
Sample : I1997-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-B1E-ESW-2

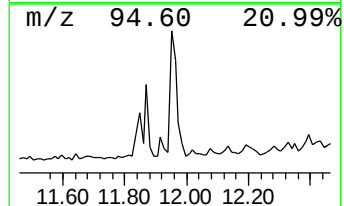
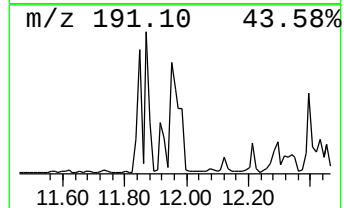
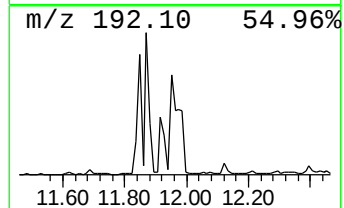
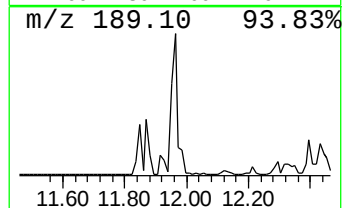
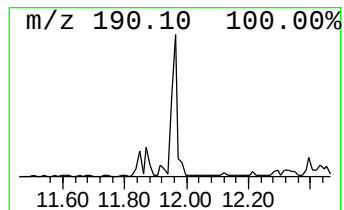
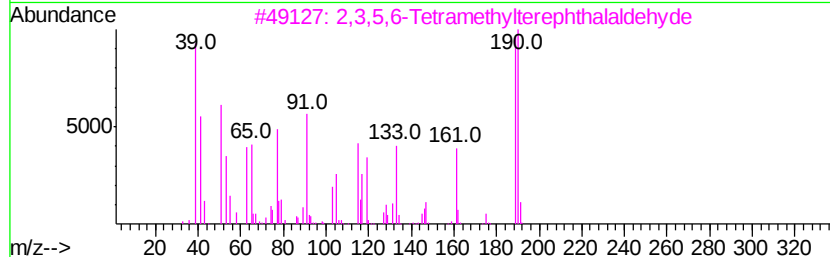
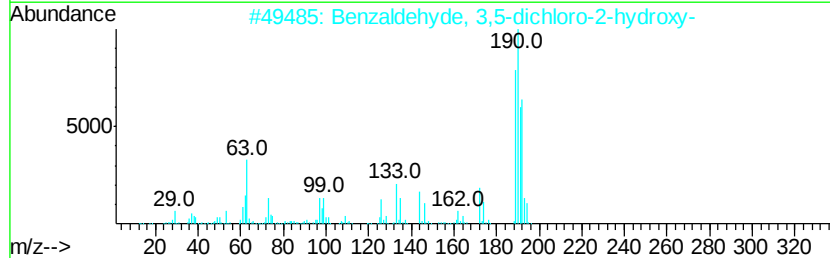
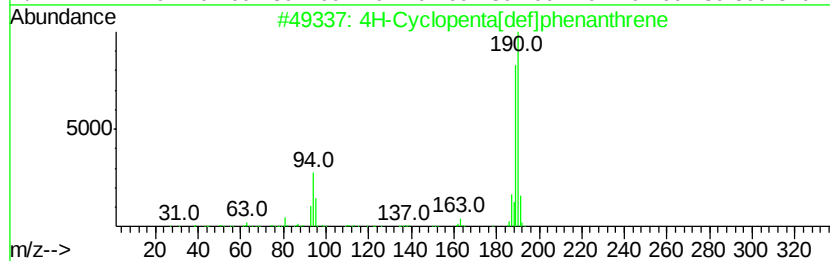
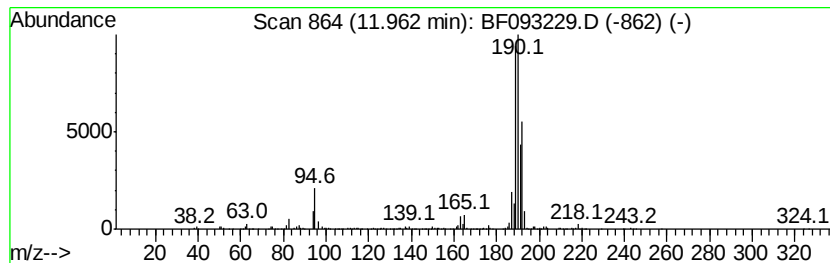
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	18.29 ng	1158890	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
3		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4		Methyl diselenide	190	C2H6Se2	007101-31-7	38
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
Data File : BF093229.D
Acq On : 28 Feb 2017 2:37
Operator : SJ/MA
Sample : I1997-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-B1E-ESW-2

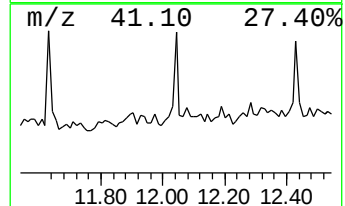
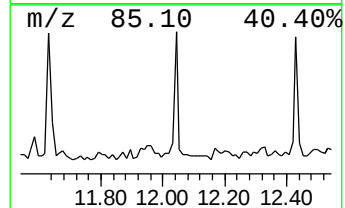
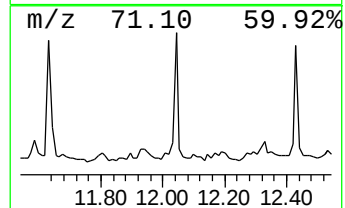
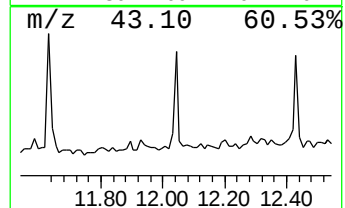
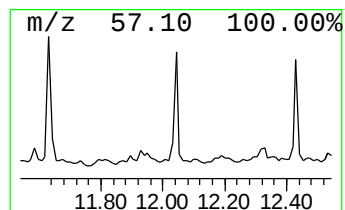
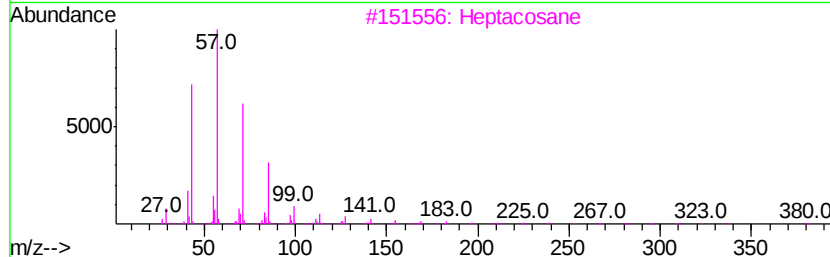
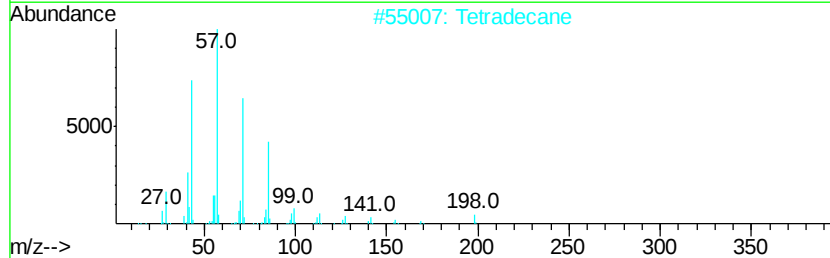
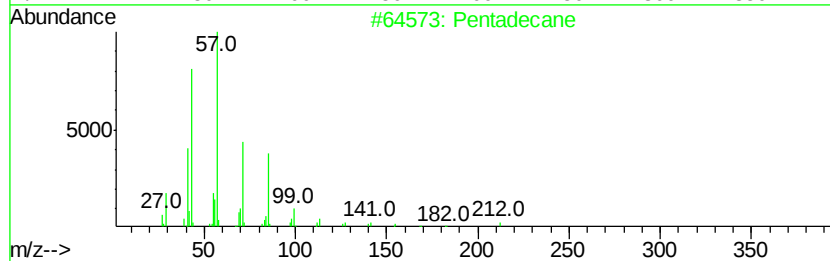
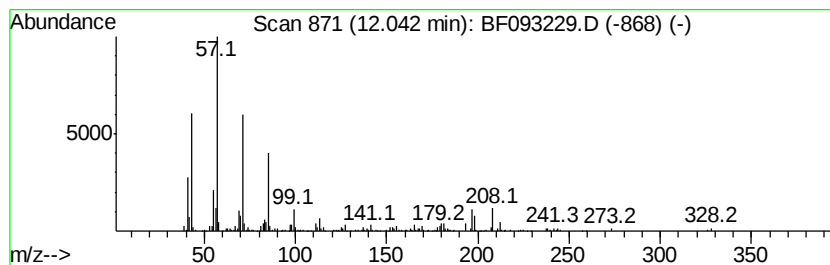
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Pentadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	5.05 ng	320070	Phenanthrene-d10	11.34

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecane	212	C15H32	000629-62-9	83
2			Tetradecane	198	C14H30	000629-59-4	72
3			Heptacosane	380	C27H56	000593-49-7	68
4			Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	68
5			Tetracosane	338	C24H50	000646-31-1	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
Data File : BF093229.D
Acq On : 28 Feb 2017 2:37
Operator : SJ/MA
Sample : I1997-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-B1E-ESW-2

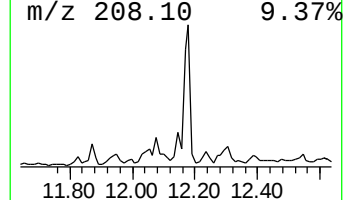
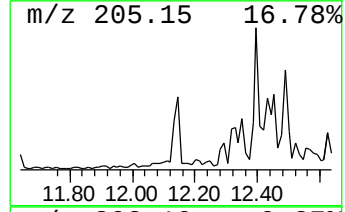
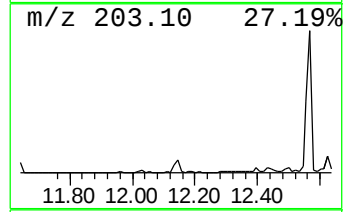
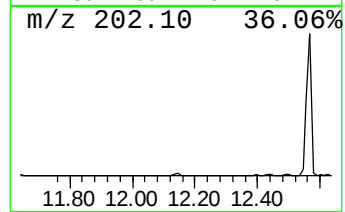
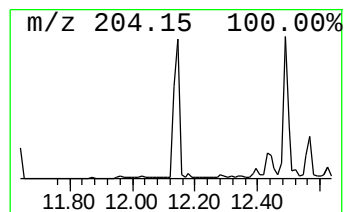
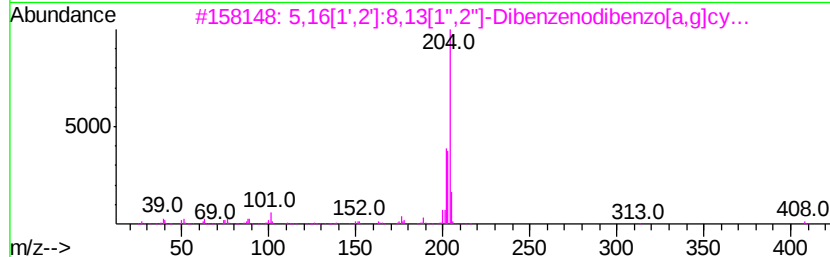
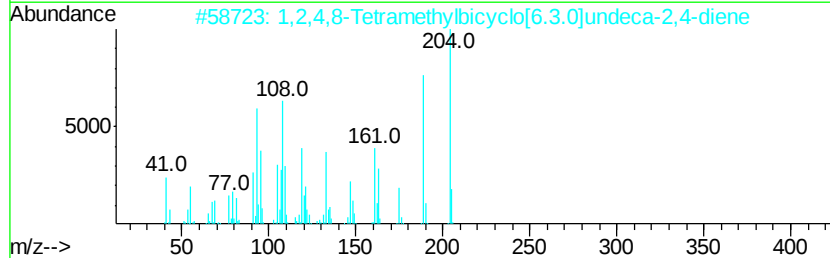
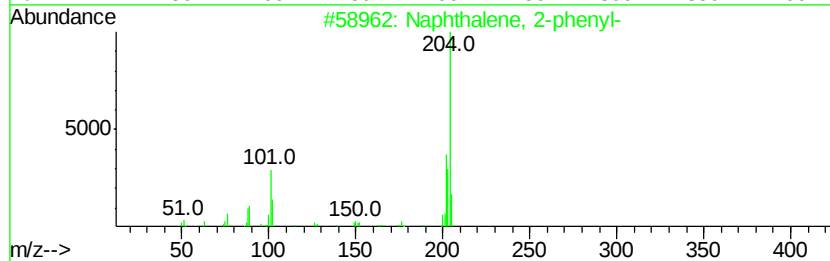
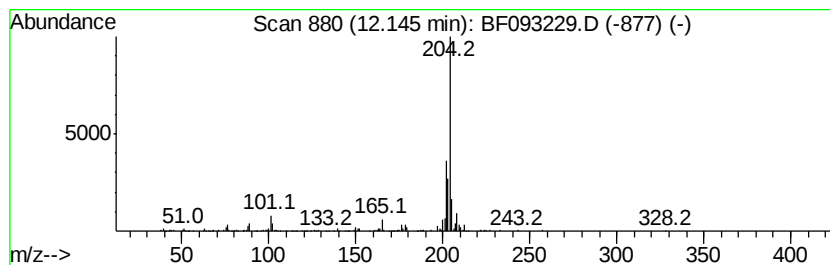
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	5.76 ng	365184	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	87
3		5,16[1',2'] : 8,13[1'',2'']-Dibenzo[1,2-b:4,5-b']diphenyl	408	C32H24	005672-97-9	83
4		2-Phenylnaphthalene	204	C16H12	035465-71-5	58
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2,4,6,8,10,12,14,16-octaene	204	C16H12	006572-60-7	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093229.D
Acq On : 28 Feb 2017 2:37
Operator : SJ/MA
Sample : I1997-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-B1E-ESW-2

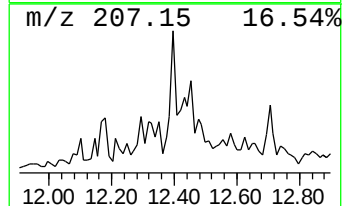
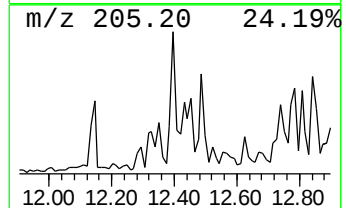
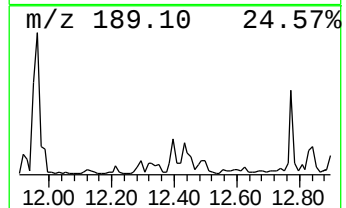
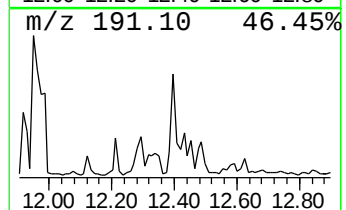
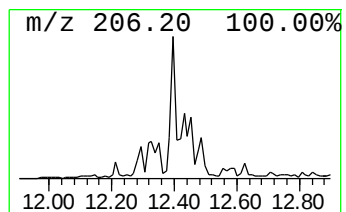
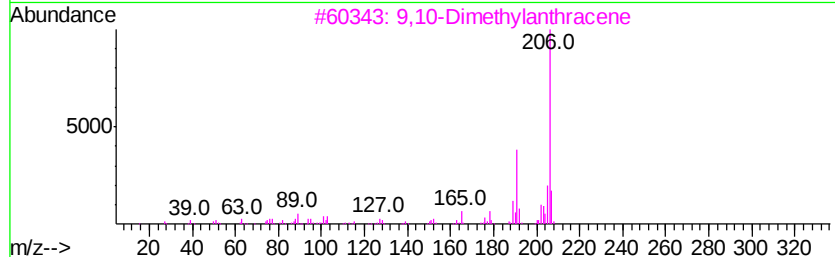
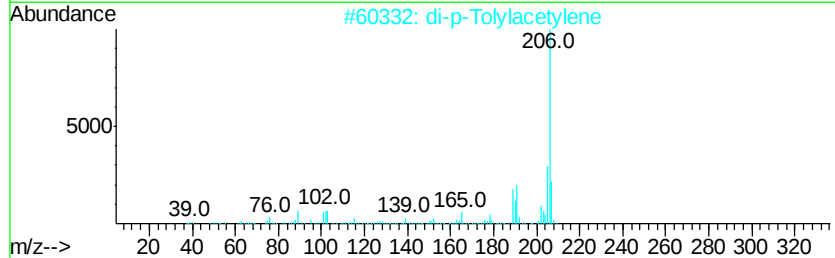
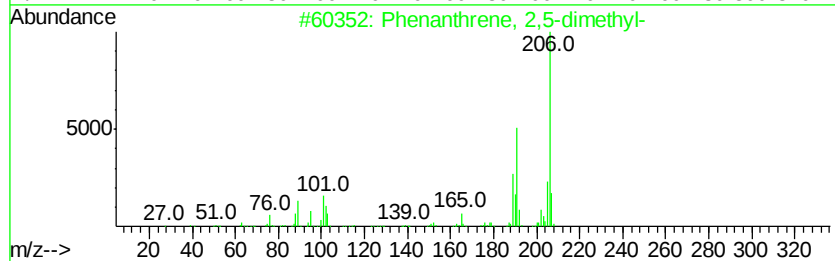
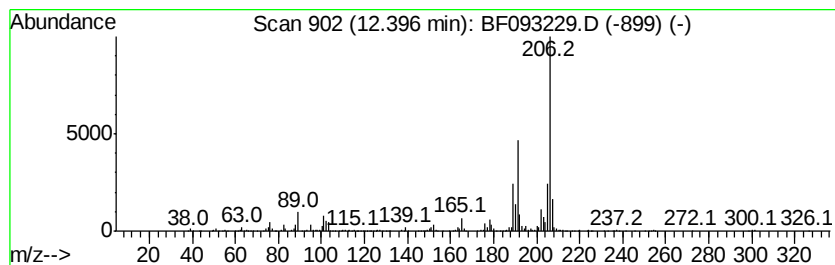
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	8.59 ng	544492	Phenanthrene-d10	11.34

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2			di-p-Tolylacetylene	206	C16H14	002789-88-0	96
3			9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
5			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
Data File : BF093229.D
Acq On : 28 Feb 2017 2:37
Operator : SJ/MA
Sample : I1997-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-B1E-ESW-2

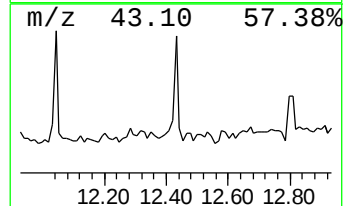
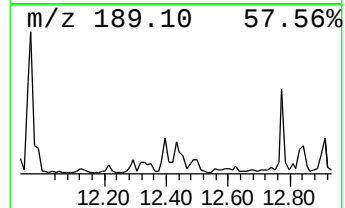
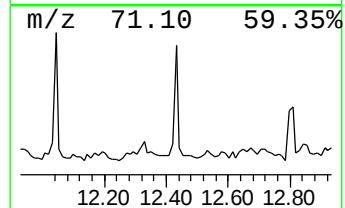
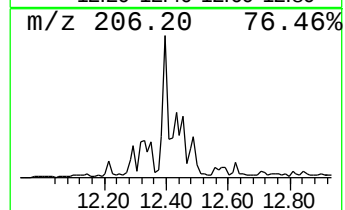
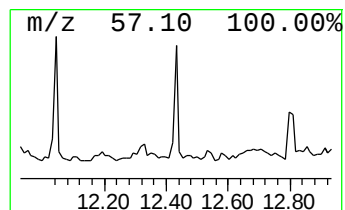
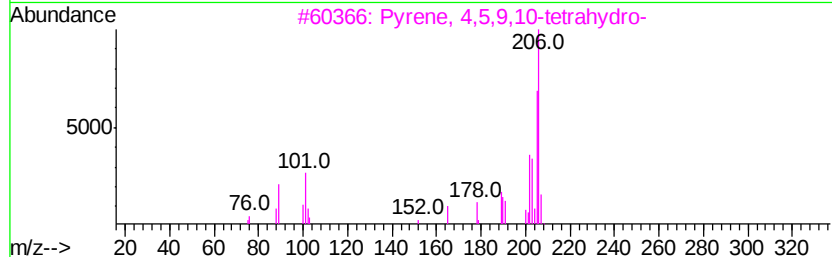
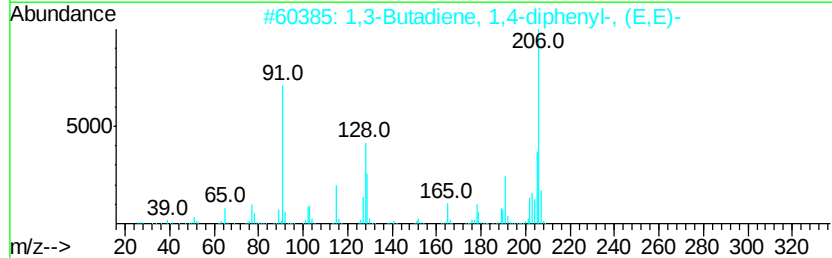
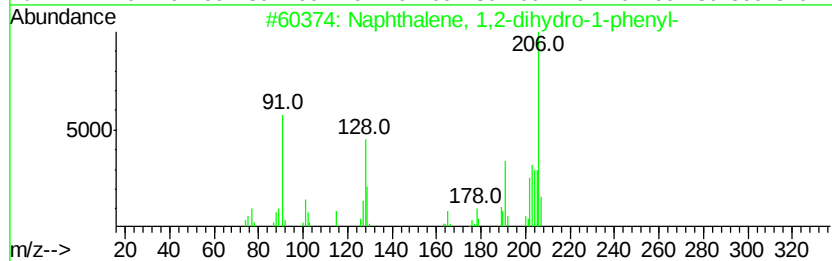
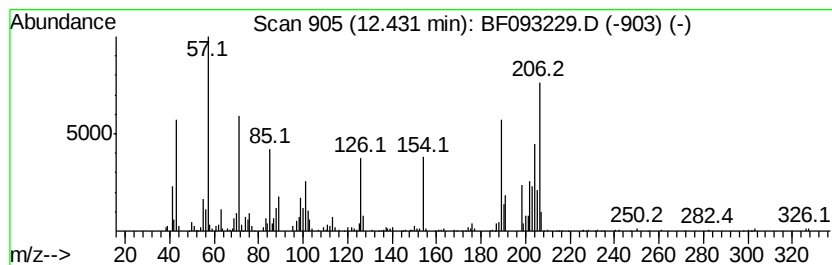
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown12.43 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	8.54 ng	541104	Phenanthrene-d10	11.34

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	18
2			1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	18
3			Pvrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	15
4			6-Chloro-2-acetonaphthone	204	C12H9ClO	042036-59-9	14
5			1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	14



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093229.D
Acq On : 28 Feb 2017 2:37
Operator : SJ/MA
Sample : I1997-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-B1E-ESW-2

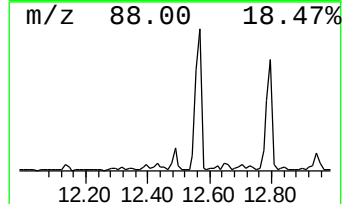
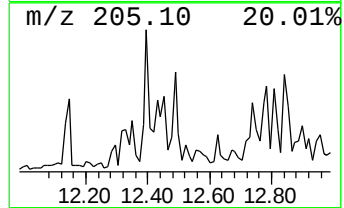
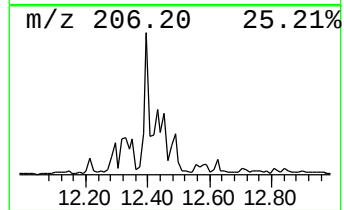
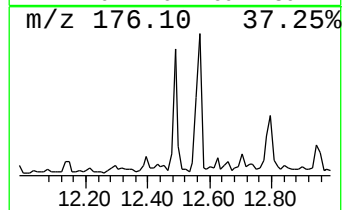
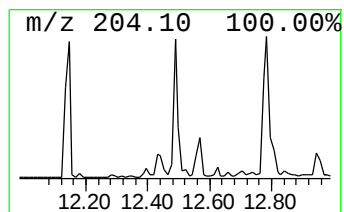
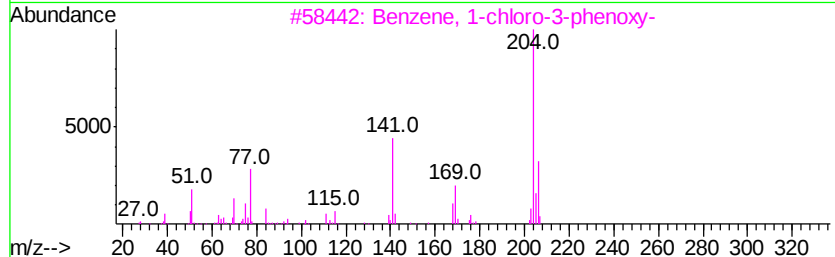
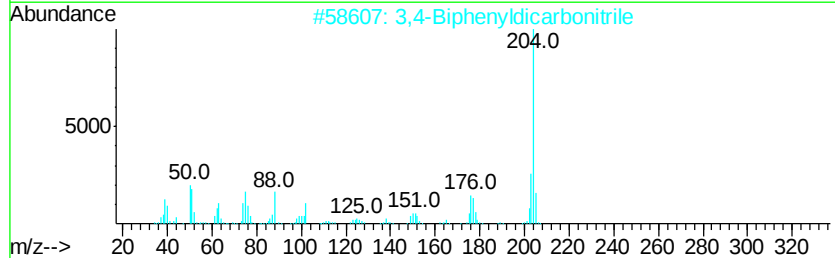
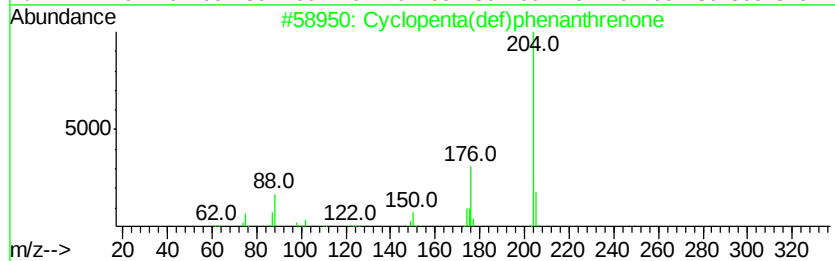
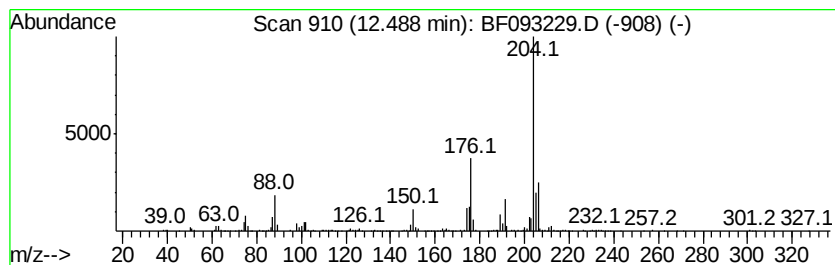
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	7.15 ng	453184	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59
3		Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	47
4		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
5		[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093229.D
Acq On : 28 Feb 2017 2:37
Operator : SJ/MA
Sample : I1997-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-B1E-ESW-2

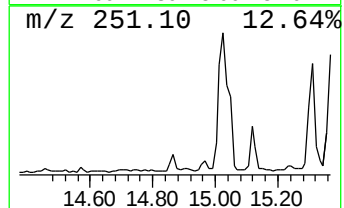
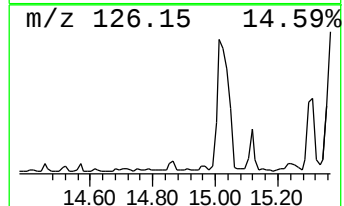
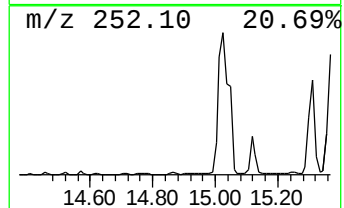
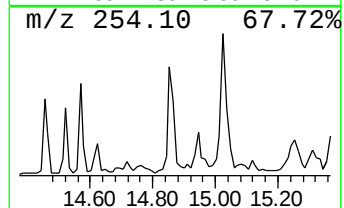
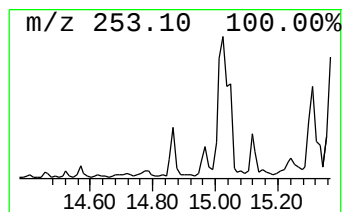
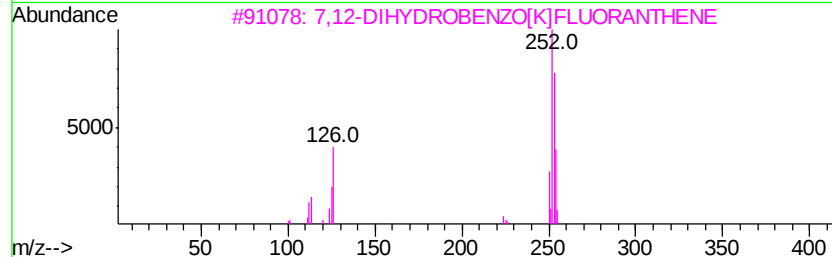
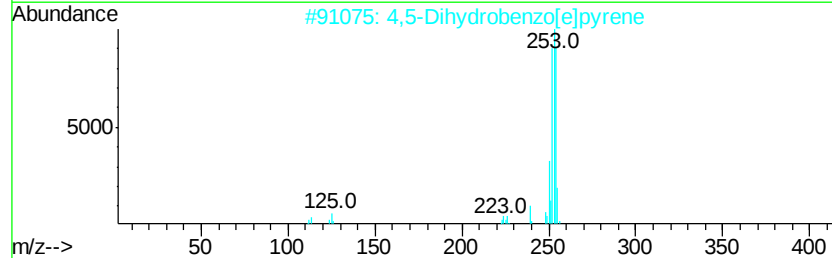
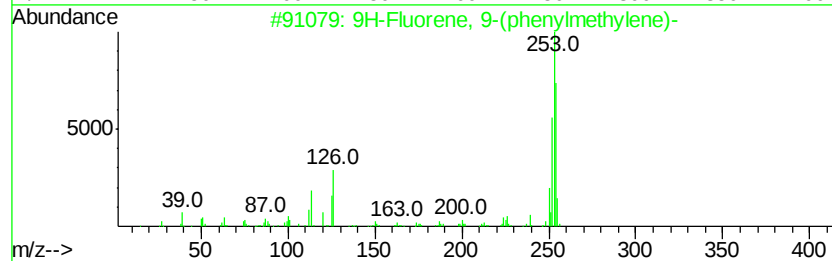
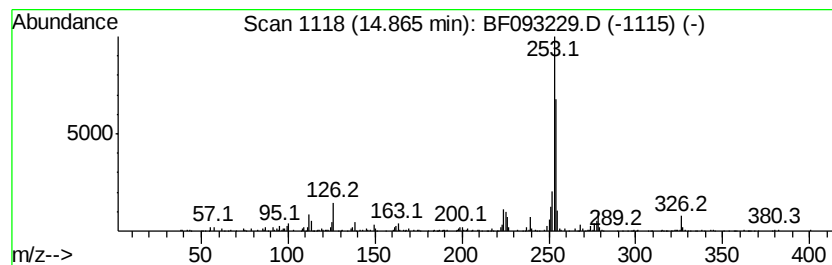
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 9H-Fluorene, 9-(phenylmethy... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	12.38 ng	388201	Perylene-d12	15.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 9-(phenylmethylen)-	254	C20H14	001836-87-9	64
2		4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	58
3		7,12-DIHYDROBENZO[K]FLUORANTHENE	254	C20H14	1000080-17-7	58
4		10-Oxo-5,5-dimethyl-5-sila-5,10-...	254	C14H14N2OSi	089052-45-9	53
5		4,6'-Biazuleny1	254	C20H14	094154-49-1	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
Data File : BF093229.D
Acq On : 28 Feb 2017 2:37
Operator : SJ/MA
Sample : I1997-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

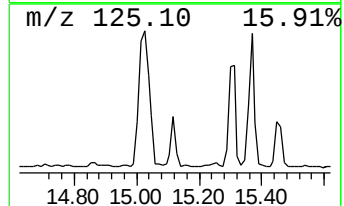
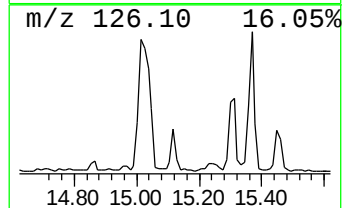
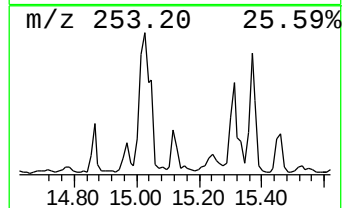
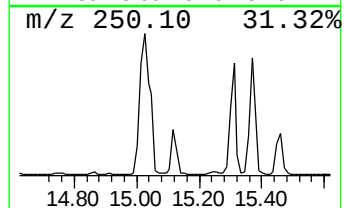
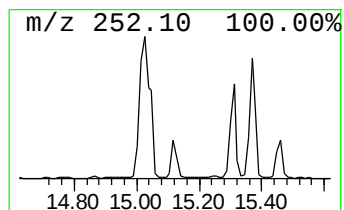
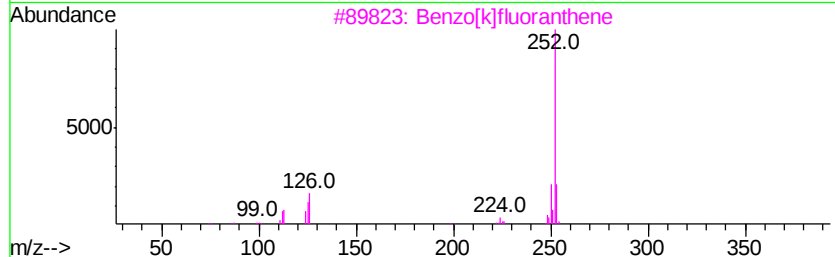
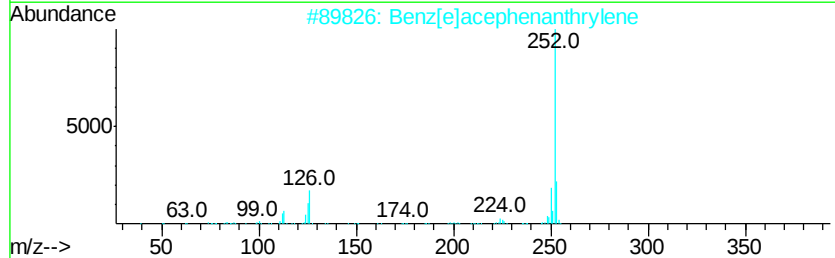
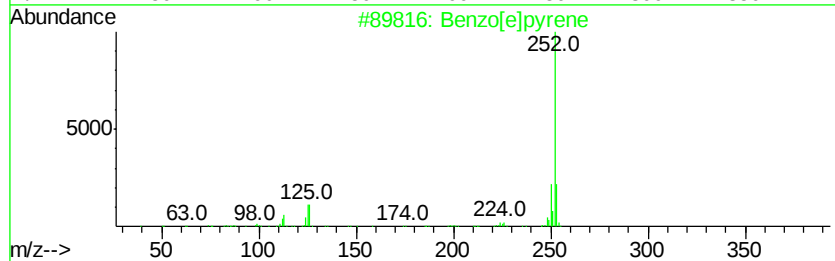
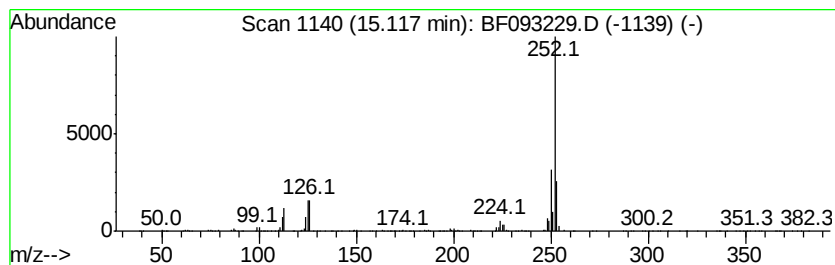
Instrument :
BNA_F
ClientSampleId :
E2-B1E-ESW-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.12	14.47 ng	453610	Perylene-d12	15.43	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]bpvrene	252	C20H12	000192-97-2	98
2	Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	97
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4	Benzo[a]bpvrene	252	C20H12	000050-32-8	94
5	Perylene	252	C20H12	000198-55-0	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
Data File : BF093229.D
Acq On : 28 Feb 2017 2:37
Operator : SJ/MA
Sample : I1997-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-B1E-ESW-2

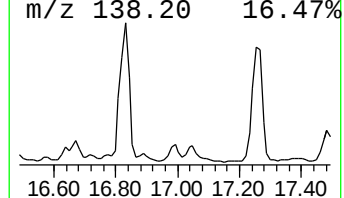
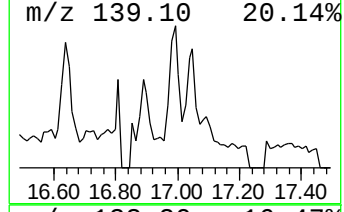
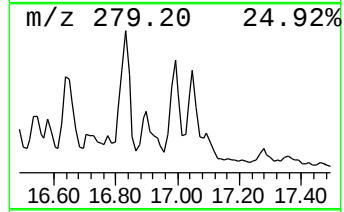
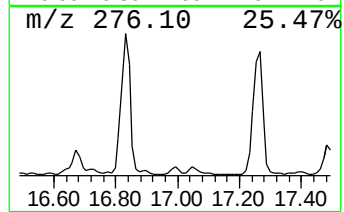
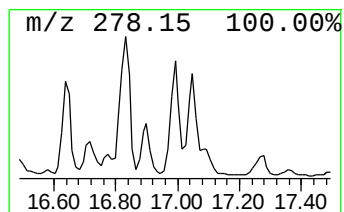
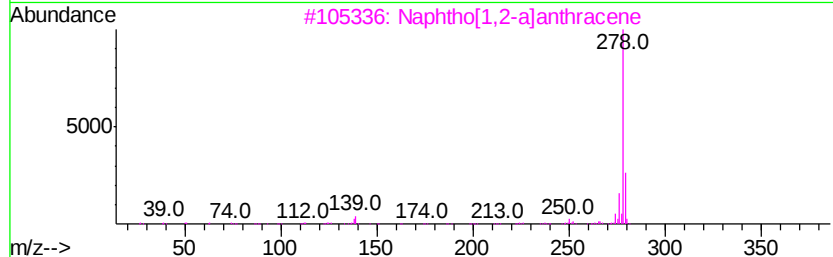
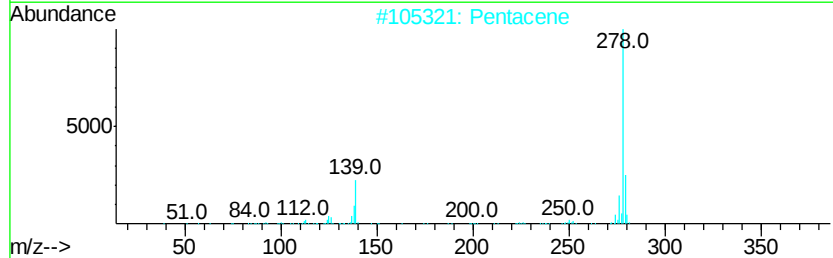
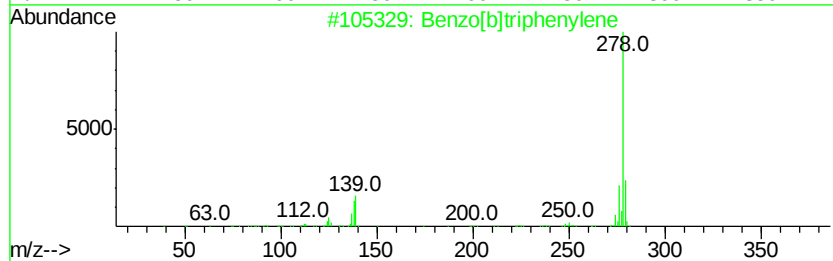
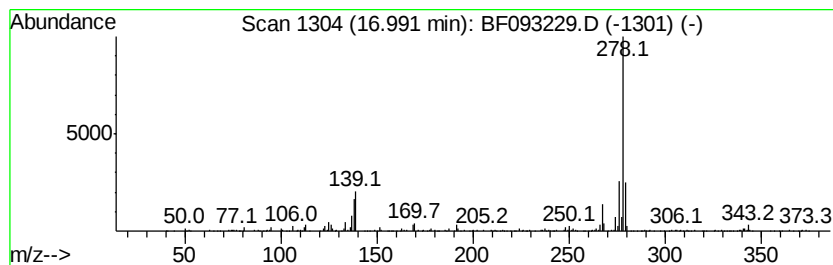
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[b]triphenylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.99	10.47 ng	328125	Perylene-d12	15.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	95
2		Pentacene	278	C22H14	000135-48-8	94
3		Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	92
4		1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	91
5		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
Data File : BF093229.D
Acq On : 28 Feb 2017 2:37
Operator : SJ/MA
Sample : I1997-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-B1E-ESW-2

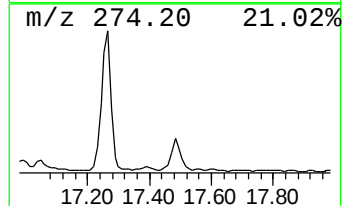
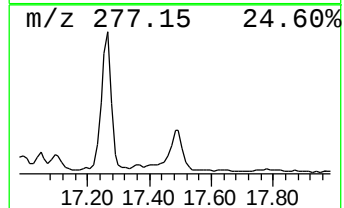
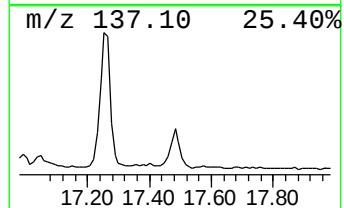
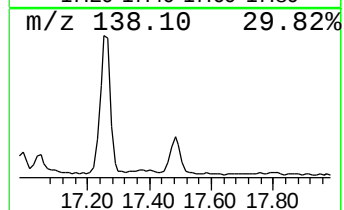
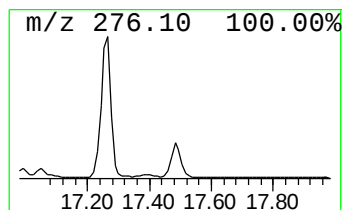
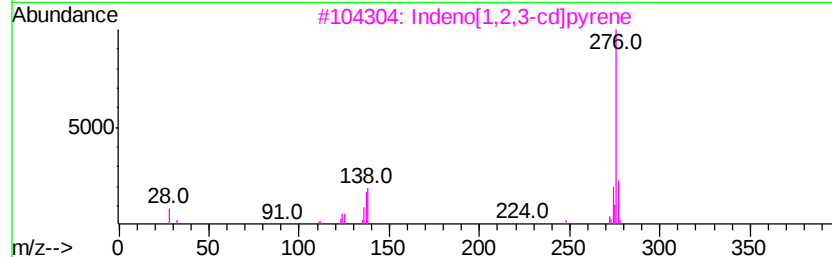
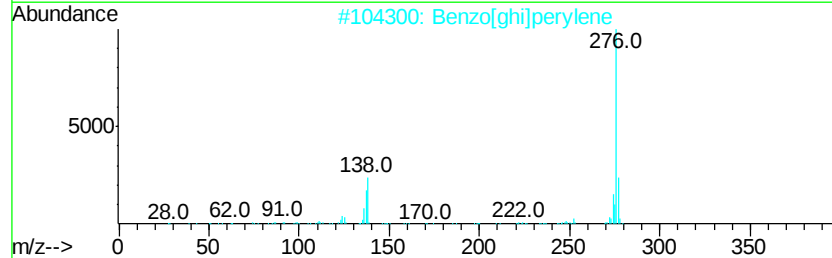
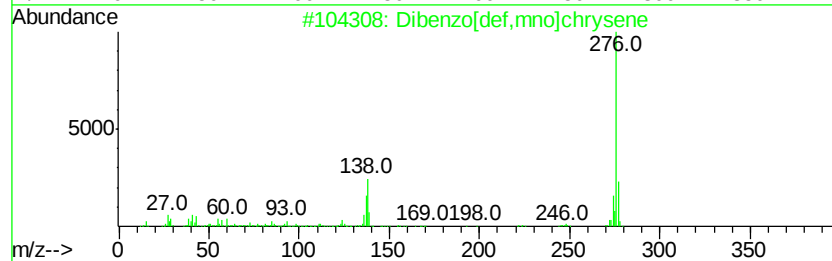
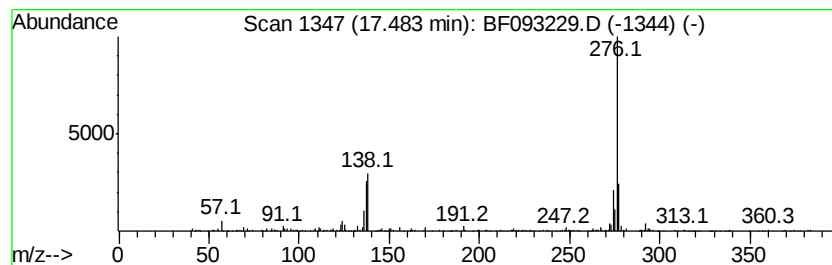
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.48	15.06 ng	472100	Perylene-d12	15.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
2		Benzo[ghi]perylene	276	C22H12	000191-24-2	94
3		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	87
4		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	64
5		6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
 Data File : BF093229.D
 Acq On : 28 Feb 2017 2:37
 Operator : SJ/MA
 Sample : I1997-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1E-ESW-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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...	4.98	28.7	ng	1397600	1	6.82	972519	20.0
unknown6.59	6.59	62.7	ng	3049780	1	6.82	972519	20.0
unknown10.28	10.28	5.2	ng	328869	3	9.86	1271630	20.0
unknown10.77	10.77	6.5	ng	410669	4	11.34	1267570	20.0
Dibenz[c,e]oxepin...	11.10	4.8	ng	307020	4	11.34	1267570	20.0
Anthracene, 1-met...	11.85	7.1	ng	449359	4	11.34	1267570	20.0
Phenanthrene, 2-m...	11.87	8.6	ng	543137	4	11.34	1267570	20.0
Anthracene, 2-met...	11.92	4.8	ng	301642	4	11.34	1267570	20.0
4H-Cyclopenta[def...	11.96	18.3	ng	1158890	4	11.34	1267570	20.0
Pentadecane	12.04	5.0	ng	320070	4	11.34	1267570	20.0
Naphthalene, 2-ph...	12.14	5.8	ng	365184	4	11.34	1267570	20.0
Phenanthrene, 2,5...	12.40	8.6	ng	544492	4	11.34	1267570	20.0
unknown12.43	12.43	8.5	ng	541104	4	11.34	1267570	20.0
Cyclopenta(def)ph...	12.49	7.2	ng	453184	4	11.34	1267570	20.0
9H-Fluorene, 9-(p...	14.87	12.4	ng	388201	6	15.43	627087	20.0
Benzo[e]pyrene	15.12	14.5	ng	453610	6	15.43	627087	20.0
Benzo[b]triphenylene	16.99	10.5	ng	328125	6	15.43	627087	20.0
Dibenzo[def,mno]c...	17.48	15.1	ng	472100	6	15.43	627087	20.0