

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
 Data File : BF096055.D
 Acq On : 20 Jun 2017 20:47
 Operator : SJ/MA
 Sample : I3759-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617

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-BF060517.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.552	9	11	44	rVB	827555	1549855	28.25%	1.887%
2	4.463	502	506	526	rBV	84378	245586	4.48%	0.299%
3	5.181	625	628	665	rBV	766415	1616791	29.47%	1.968%
4	6.869	910	915	925	rBV	913288	1448817	26.41%	1.764%
5	6.951	925	929	940	rVV	1150440	1854473	33.80%	2.257%
6	7.292	983	987	1000	rVB	269401	371591	6.77%	0.452%
7	7.528	1022	1027	1048	rVB	982979	1332540	24.29%	1.622%
8	8.210	1139	1143	1159	rBV	616671	911798	16.62%	1.110%
9	9.322	1328	1332	1337	rBV	387763	496809	9.05%	0.605%
10	11.104	1628	1635	1641	rBV	1402507	1823728	33.24%	2.220%
11	11.622	1718	1723	1727	rBV	152629	207874	3.79%	0.253%
12	11.733	1738	1742	1748	rBV	149355	211687	3.86%	0.258%
13	11.798	1748	1753	1760	rBV2	274525	393748	7.18%	0.479%
14	11.916	1768	1773	1783	rVV	616602	854339	15.57%	1.040%
15	12.145	1802	1812	1816	rBV2	371953	552358	10.07%	0.672%
16	12.192	1816	1820	1827	rVB	315511	441679	8.05%	0.538%
17	12.486	1866	1870	1873	rVV	122007	177290	3.23%	0.216%
18	12.692	1898	1905	1910	rBV2	179488	295797	5.39%	0.360%
19	12.886	1935	1938	1946	rVB	137065	177105	3.23%	0.216%
20	12.992	1949	1956	1960	rBV3	156676	363589	6.63%	0.443%
21	13.039	1960	1964	1973	rVB	308307	535831	9.77%	0.652%
22	13.327	2006	2013	2017	rBV3	113480	254387	4.64%	0.310%
23	13.445	2028	2033	2040	rVV	661376	951229	17.34%	1.158%
24	13.780	2085	2090	2099	rBV3	197352	423652	7.72%	0.516%
25	13.939	2110	2117	2120	rBV	155805	316337	5.77%	0.385%
26	13.980	2120	2124	2129	rVB2	147608	212772	3.88%	0.259%
27	14.168	2151	2156	2159	rBV3	140726	207811	3.79%	0.253%
28	14.368	2187	2190	2196	rVB	182312	249925	4.56%	0.304%
29	14.510	2208	2214	2216	rBV	137368	195131	3.56%	0.238%
30	14.545	2216	2220	2222	rBV	280474	393250	7.17%	0.479%
31	14.592	2222	2228	2231	rVB	1953050	2785081	50.76%	3.390%
32	14.668	2231	2241	2248	rVB	923371	1191514	21.72%	1.450%
33	14.768	2252	2258	2261	rBV3	139345	258335	4.71%	0.314%
34	15.080	2307	2311	2315	rVB	234959	299189	5.45%	0.364%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062017\
 Data File : BF096055.D
 Acq On : 20 Jun 2017 20:47
 Operator : SJ/MA
 Sample : I3759-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617

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-BF060517.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.198	2327	2331	2338	rVB3	168103	368581	6.72%	0.449%
36	15.351	2352	2357	2361	rVV	1619677	1987128	36.22%	2.419%
37	15.398	2361	2365	2369	rVV	858917	1022314	18.63%	1.244%
38	15.468	2373	2377	2379	rBV	363019	421917	7.69%	0.514%
39	15.510	2379	2384	2387	rVV2	1067522	1685145	30.71%	2.051%
40	15.551	2387	2391	2394	rVV	708333	933961	17.02%	1.137%
41	15.704	2413	2417	2422	rBV3	163862	221710	4.04%	0.270%
42	15.804	2430	2434	2439	rVV	529910	715131	13.03%	0.870%
43	15.874	2443	2446	2449	rBV2	142609	173329	3.16%	0.211%
44	16.021	2466	2471	2474	rBV2	174351	256285	4.67%	0.312%
45	16.062	2475	2478	2482	rVV	296272	353192	6.44%	0.430%
46	16.104	2482	2485	2488	rVB	153011	182124	3.32%	0.222%
47	16.168	2491	2496	2500	rBV	760893	1139450	20.77%	1.387%
48	16.210	2500	2503	2507	rVV2	498999	742981	13.54%	0.904%
49	16.251	2507	2510	2513	rVB2	178998	207032	3.77%	0.252%
50	16.298	2513	2518	2521	rBV2	411735	755546	13.77%	0.920%
51	16.345	2521	2526	2528	rVV	2118063	2952294	53.81%	3.594%
52	16.374	2528	2531	2533	rVV	2898378	4060270	74.00%	4.942%
53	16.398	2533	2535	2537	rVV	2692287	2382326	43.42%	2.900%
54	16.415	2537	2538	2544	rVB2	232839	287140	5.23%	0.350%
55	16.498	2544	2552	2558	rBV3	537305	1370593	24.98%	1.668%
56	16.568	2561	2564	2568	rVB2	284792	308328	5.62%	0.375%
57	16.698	2578	2586	2590	rBV2	2759944	5486804	100.00%	6.679%
58	16.762	2593	2597	2601	rVB3	205264	324266	5.91%	0.395%
59	16.810	2601	2605	2609	rVB2	290070	380095	6.93%	0.463%
60	16.868	2612	2615	2620	rBV2	315497	358663	6.54%	0.437%
61	16.933	2621	2626	2632	rVB	1165641	1504868	27.43%	1.832%
62	17.009	2632	2639	2642	rBV2	523748	781514	14.24%	0.951%
63	17.127	2650	2659	2660	rBV4	512190	1005326	18.32%	1.224%
64	17.157	2660	2664	2668	rVB	1022940	1357717	24.75%	1.653%
65	17.239	2674	2678	2682	rVB	698450	825405	15.04%	1.005%
66	17.286	2682	2686	2691	rBV2	841512	1129050	20.58%	1.374%
67	17.404	2702	2706	2709	rVB	581769	658672	12.00%	0.802%
68	17.439	2709	2712	2718	rVB	501668	581133	10.59%	0.707%
69	17.645	2744	2747	2749	rBV2	149037	180436	3.29%	0.220%
70	17.792	2768	2772	2777	rBV4	228282	472675	8.61%	0.575%
71	17.839	2778	2780	2784	rVV2	264630	330415	6.02%	0.402%

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
 Data File : BF096055.D
 Acq On : 20 Jun 2017 20:47
 Operator : SJ/MA
 Sample : I3759-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617

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-BF060517.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	17.951	2795	2799	2802	rBV2	466517	604426	11.02%	0.736%
73	17.980	2802	2804	2807	rVV	531141	579355	10.56%	0.705%
74	18.015	2807	2810	2813	rVV	428840	403012	7.35%	0.491%
75	18.051	2813	2816	2820	rVB2	292378	356439	6.50%	0.434%
76	18.127	2825	2829	2834	rVB3	322037	509033	9.28%	0.620%
77	18.174	2834	2837	2841	rBV	145354	261075	4.76%	0.318%
78	18.280	2849	2855	2858	rBV2	1656209	2820755	51.41%	3.433%
79	18.327	2858	2863	2868	rVB	1749858	2725395	49.67%	3.317%
80	18.409	2873	2877	2880	rVB4	466442	593073	10.81%	0.722%
81	18.498	2888	2892	2897	rBV2	261450	397184	7.24%	0.483%
82	18.562	2900	2903	2907	rVV2	174228	233600	4.26%	0.284%
83	18.604	2907	2910	2916	rVB5	263669	403927	7.36%	0.492%
84	18.786	2935	2941	2945	rBV	638246	886461	16.16%	1.079%
85	18.827	2945	2948	2952	rVB	434905	486649	8.87%	0.592%
86	18.874	2952	2956	2957	rBV2	201364	248962	4.54%	0.303%
87	18.903	2958	2961	2964	rVB3	312537	346743	6.32%	0.422%
88	18.945	2964	2968	2969	rBV2	302201	401693	7.32%	0.489%
89	19.033	2980	2983	2990	rVB4	158247	234053	4.27%	0.285%
90	19.392	3041	3044	3048	rBV3	139257	177634	3.24%	0.216%
91	19.562	3067	3073	3075	rBV	1309666	2158772	39.34%	2.628%
92	19.662	3087	3090	3094	rVB2	341504	374556	6.83%	0.456%
93	19.845	3117	3121	3125	rBV	824124	1044535	19.04%	1.271%
94	19.909	3127	3132	3135	rBV	1228427	1586578	28.92%	1.931%
95	19.986	3142	3145	3148	rBV	291355	256442	4.67%	0.312%
96	21.121	3333	3338	3343	rVB2	583399	945829	17.24%	1.151%
97	21.239	3355	3358	3363	rBV	122912	208695	3.80%	0.254%
98	21.286	3363	3366	3372	rVB2	144080	226083	4.12%	0.275%
99	21.450	3389	3394	3401	rVB	491986	840971	15.33%	1.024%
100	21.639	3422	3426	3435	rVB	175743	336956	6.14%	0.410%

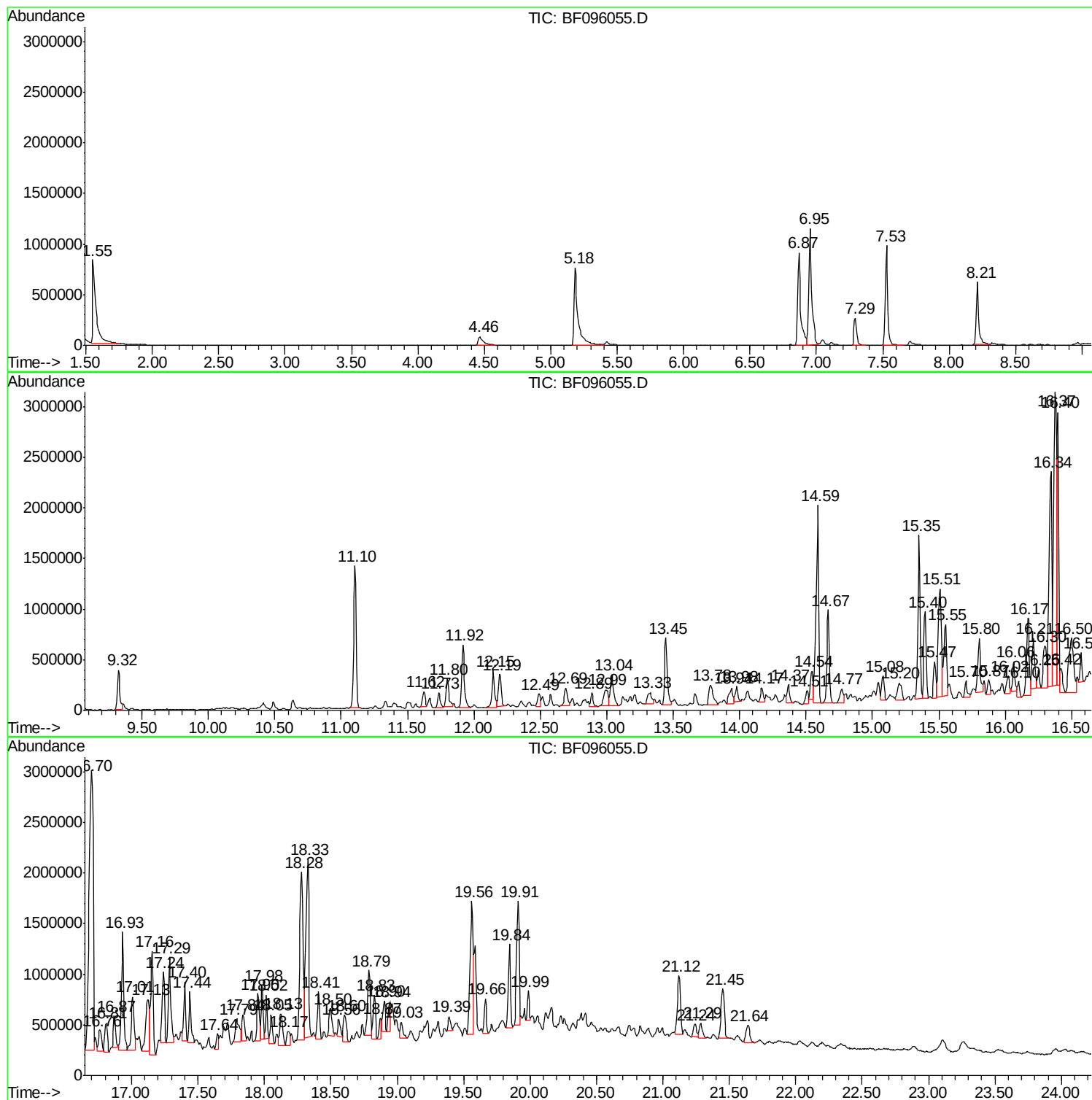
Sum of corrected areas: 82154600

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
Data File : BF096055.D
Acq On : 20 Jun 2017 20:47
Operator : SJ/MA
Sample : I3759-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-02-061617

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
Data File : BF096055.D
Acq On : 20 Jun 2017 20:47
Operator : SJ/MA
Sample : I3759-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-02-061617

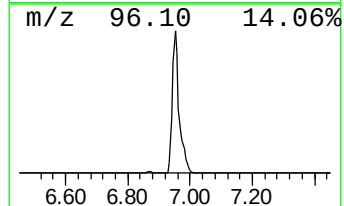
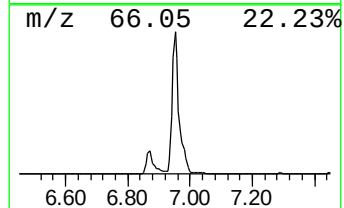
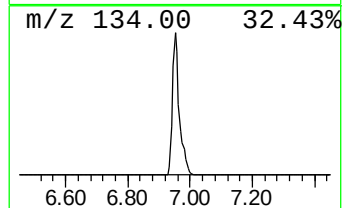
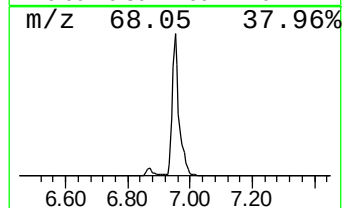
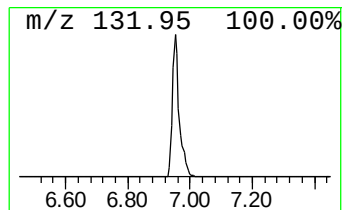
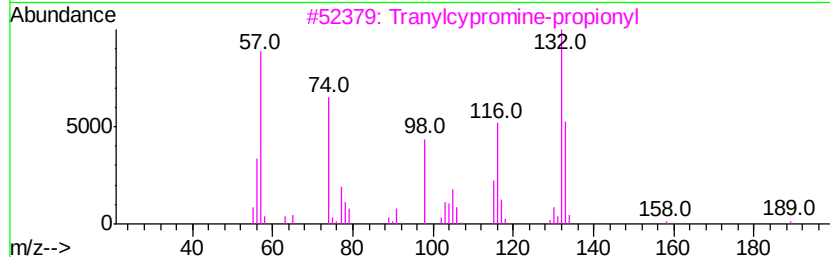
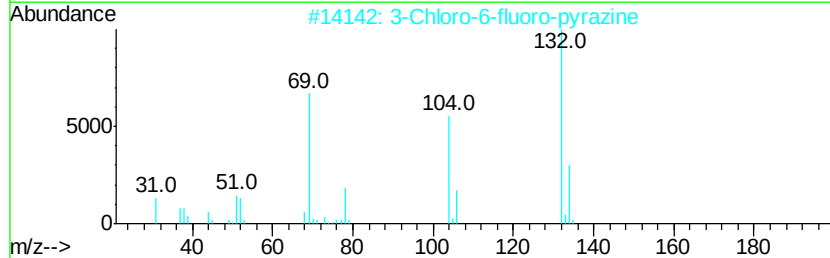
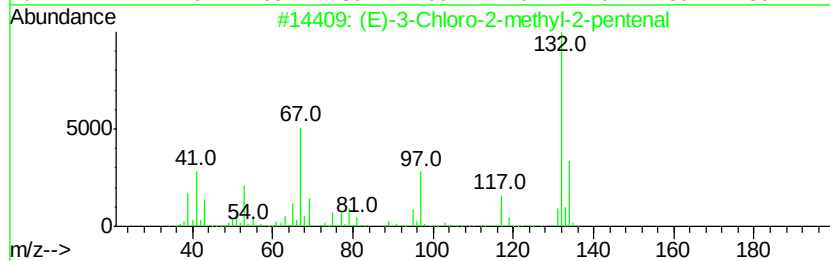
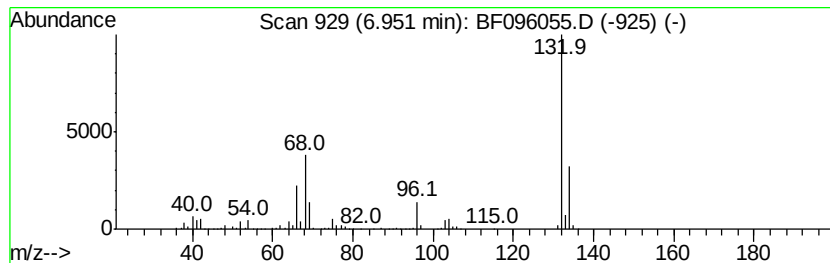
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.95 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.95	99.81 ng	1854470	1,4-Dichlorobenzene-d4	7.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	35
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	12
4		5-Aminoindole	132	C8H8N2	005192-03-0	12
5		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
Data File : BF096055.D
Acq On : 20 Jun 2017 20:47
Operator : SJ/MA
Sample : I3759-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-02-061617

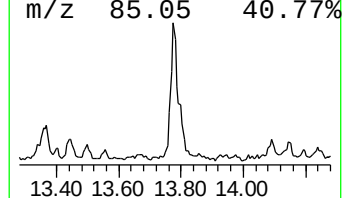
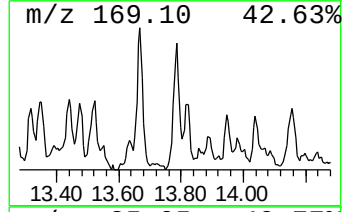
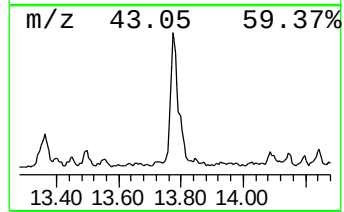
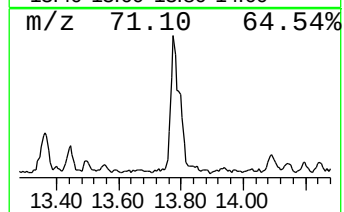
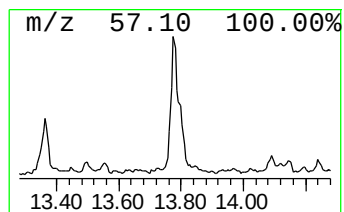
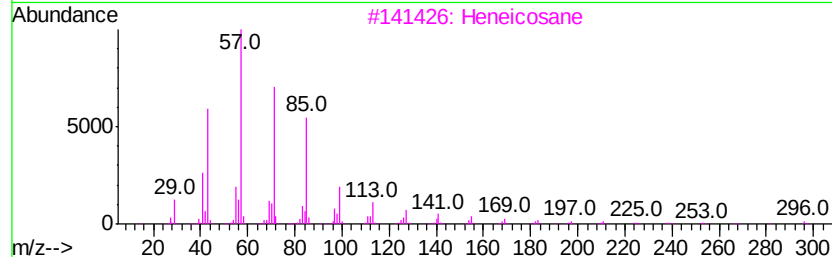
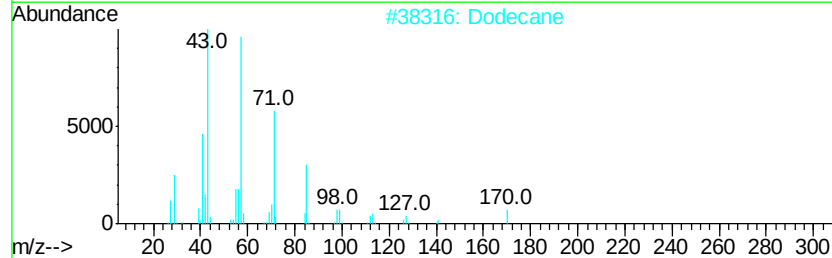
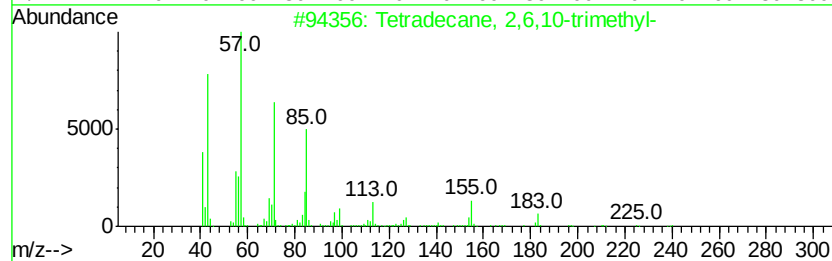
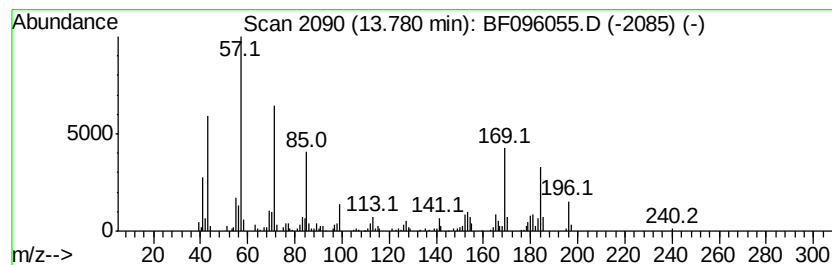
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Tetradecane, 2,6,10-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	21.55 ng	423652	Phenanthrene-d10	14.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	70
2		Dodecane	170	C12H26	000112-40-3	55
3		Heneicosane	296	C21H44	000629-94-7	49
4		Octacosane	394	C28H58	000630-02-4	49
5		Tetracosane	338	C24H50	000646-31-1	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
Data File : BF096055.D
Acq On : 20 Jun 2017 20:47
Operator : SJ/MA
Sample : I3759-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-02-061617

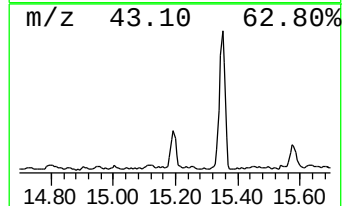
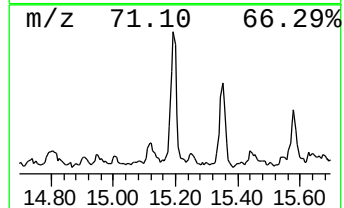
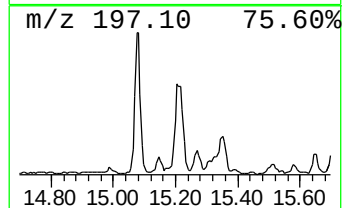
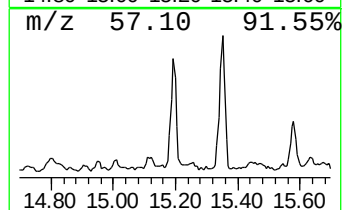
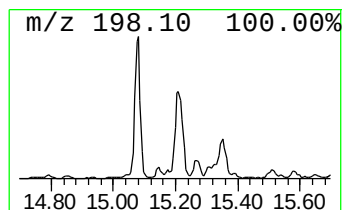
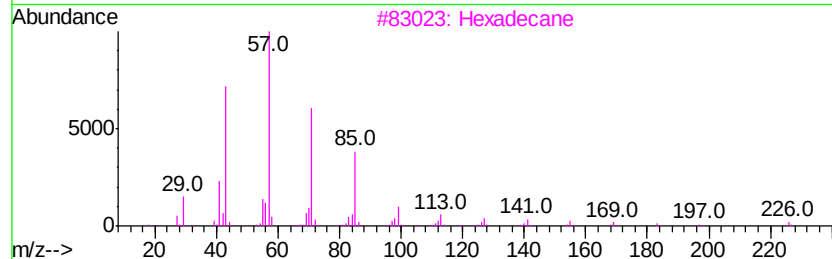
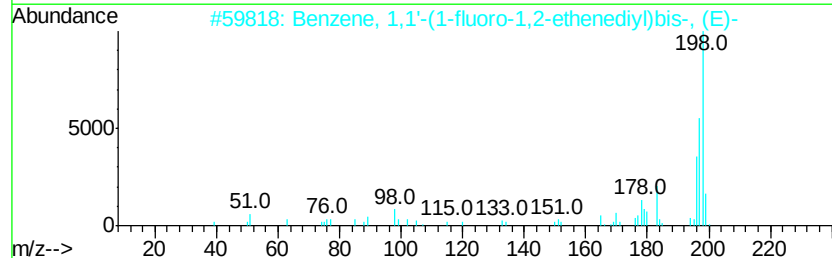
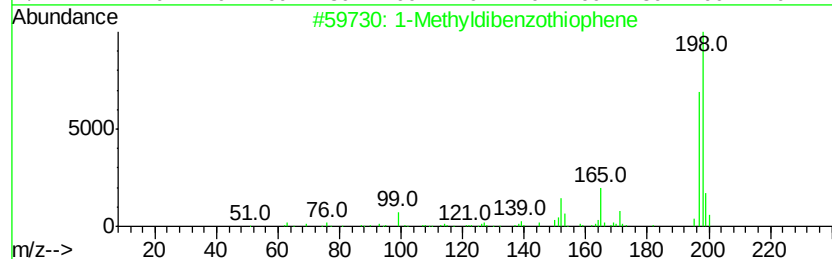
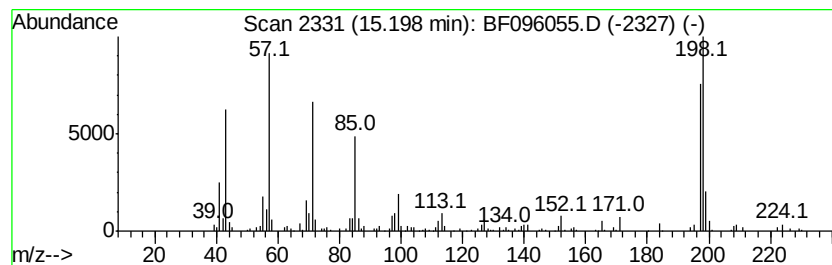
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 1-Methyldibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	18.75 ng	368581	Phenanthrene-d10	14.54

Hit# of	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	60
2	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	52
3	Hexadecane	226	C16H34	000544-76-3	51
4	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	49
5	Heptadecane	240	C17H36	000629-78-7	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
Data File : BF096055.D
Acq On : 20 Jun 2017 20:47
Operator : SJ/MA
Sample : I3759-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

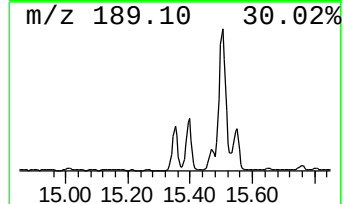
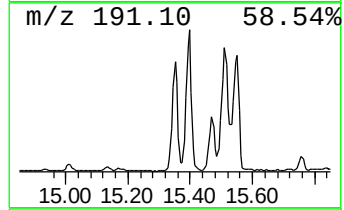
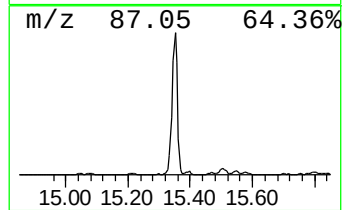
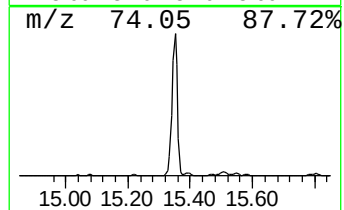
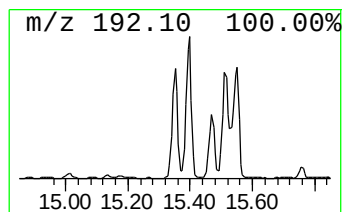
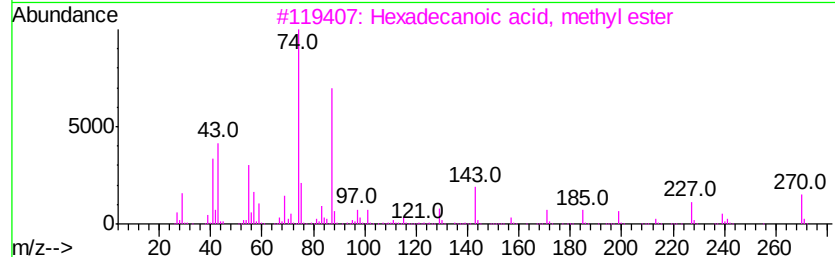
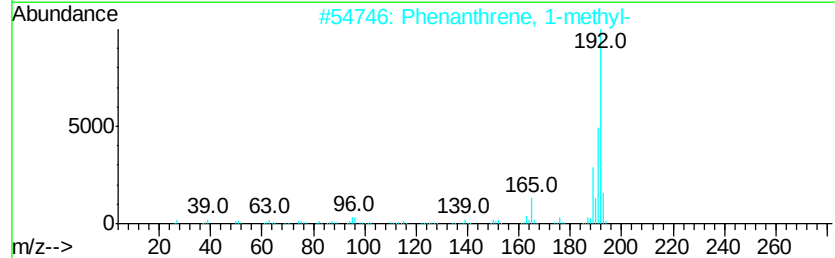
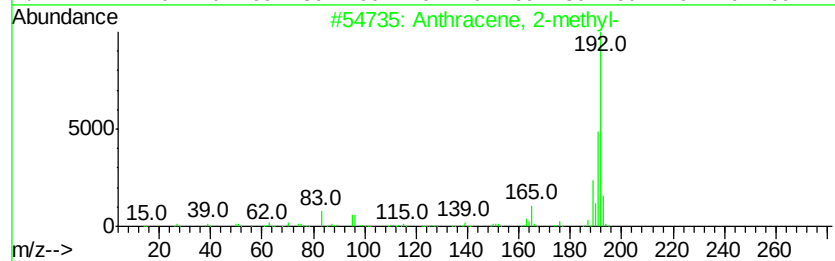
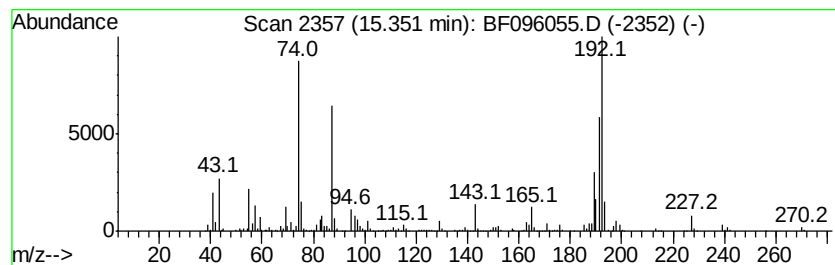
Instrument :
BNA_F
ClientSampleId :
SU-02-061617

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.35	101.06 ng	1987130	Phenanthrene-d10	14.54		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3		Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	93
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062017\
Data File : BF096055.D
Acq On : 20 Jun 2017 20:47
Operator : SJ/MA
Sample : I3759-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-02-061617

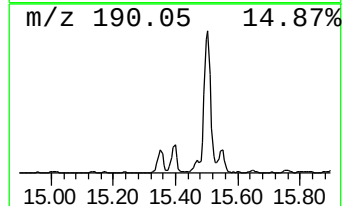
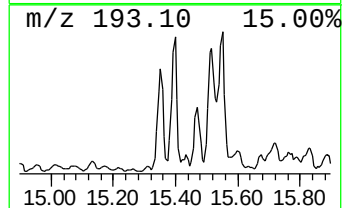
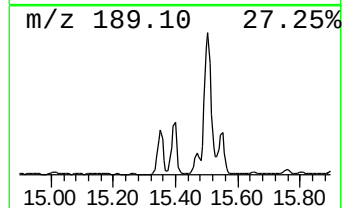
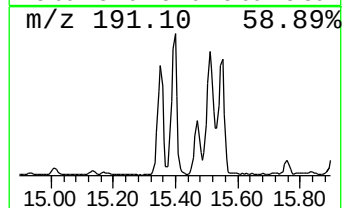
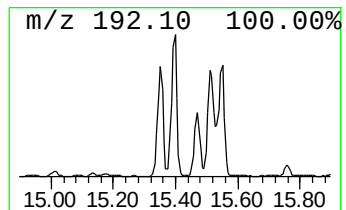
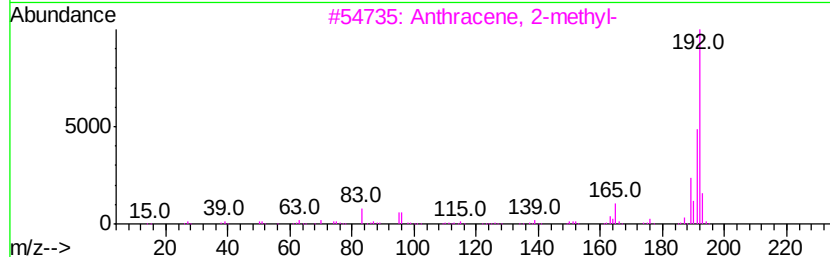
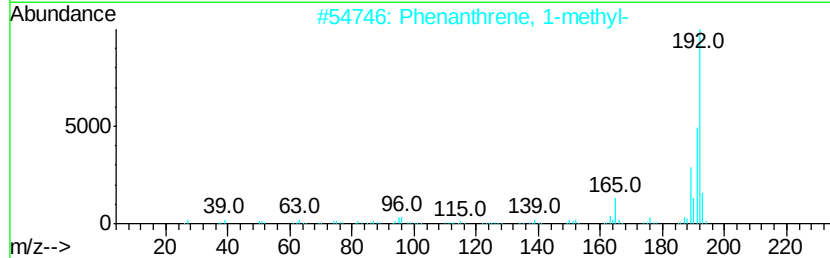
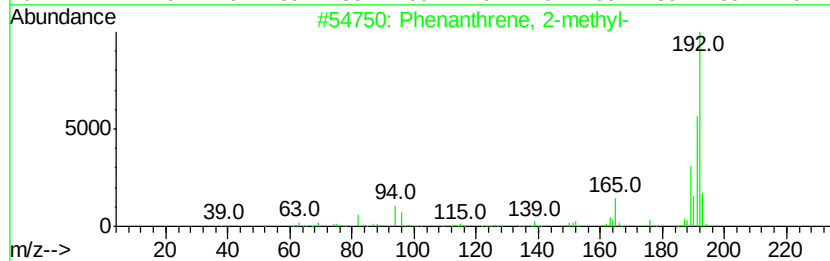
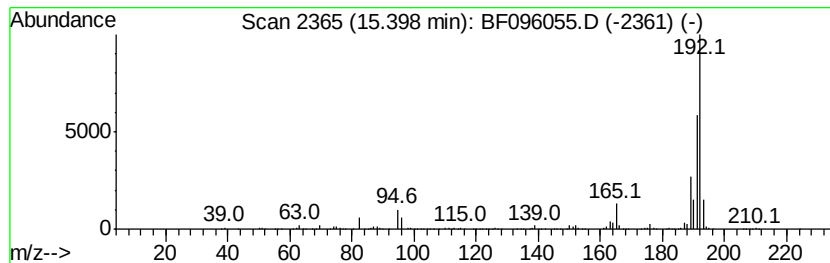
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	51.99 ng	1022310	Phenanthrene-d10	14.54

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		1H-Cyclopropa[1,1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062017\
Data File : BF096055.D
Acq On : 20 Jun 2017 20:47
Operator : SJ/MA
Sample : I3759-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-02-061617

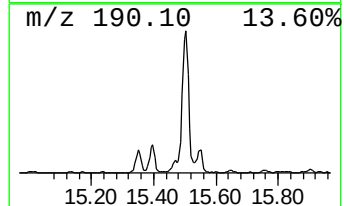
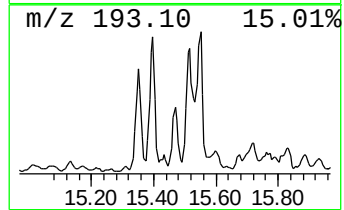
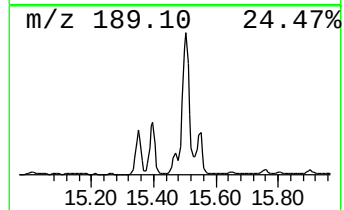
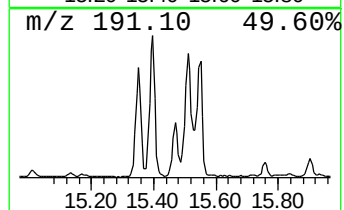
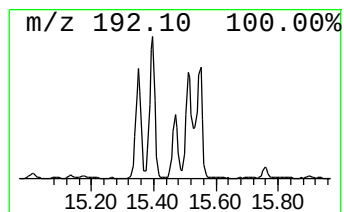
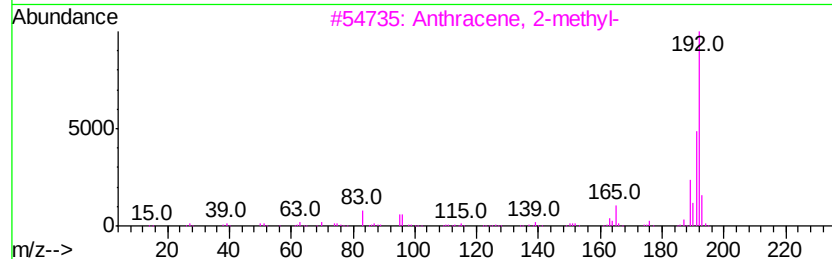
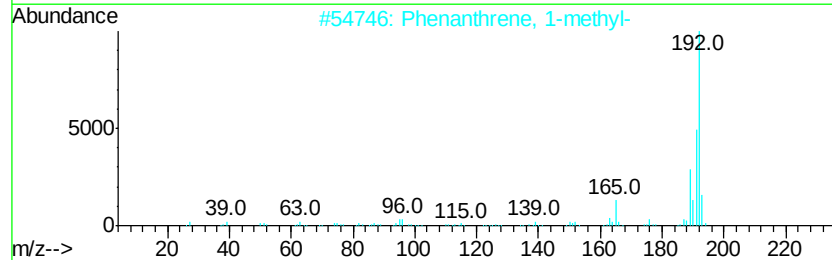
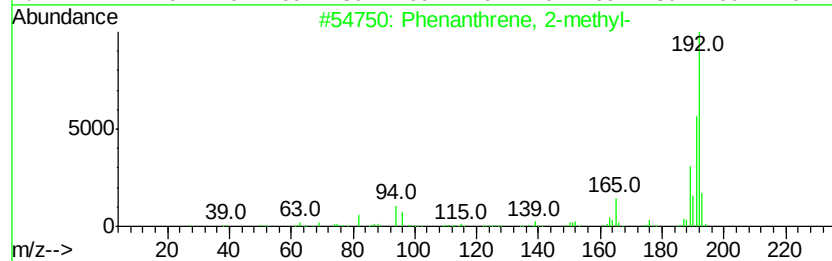
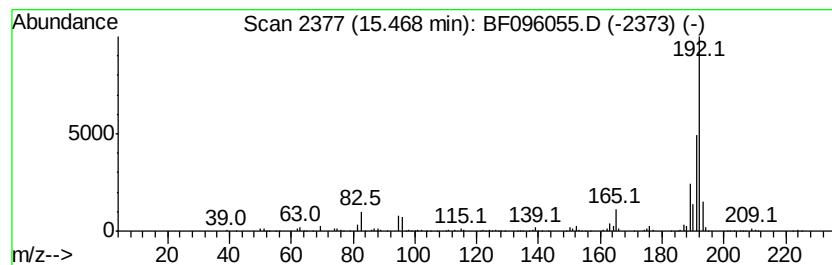
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Anthracene, 9-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	21.46 ng	421917	Phenanthrene-d10	14.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		1H-Cyclopropa[1,1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	96
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
Data File : BF096055.D
Acq On : 20 Jun 2017 20:47
Operator : SJ/MA
Sample : I3759-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-02-061617

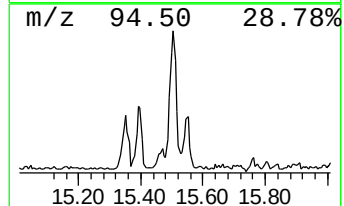
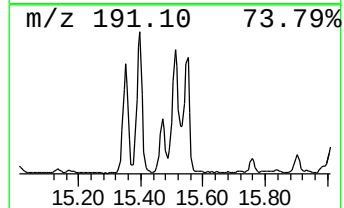
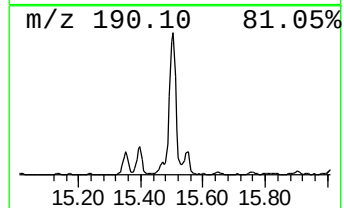
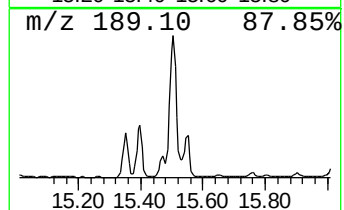
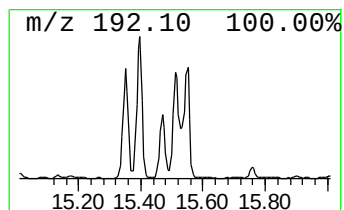
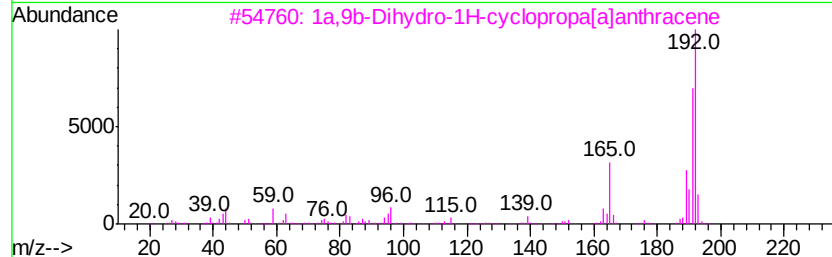
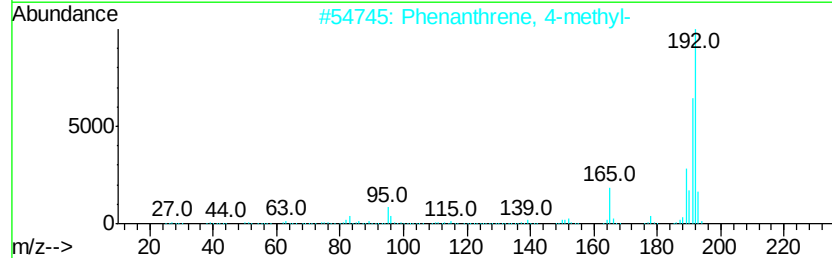
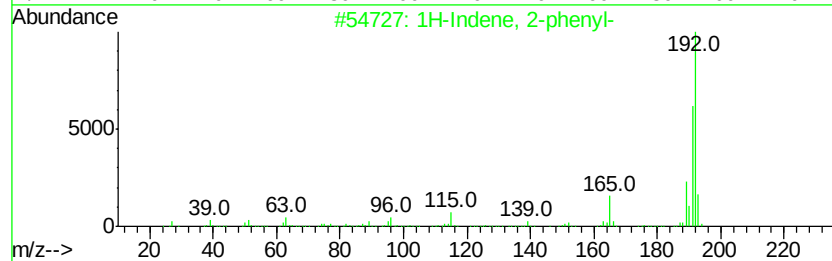
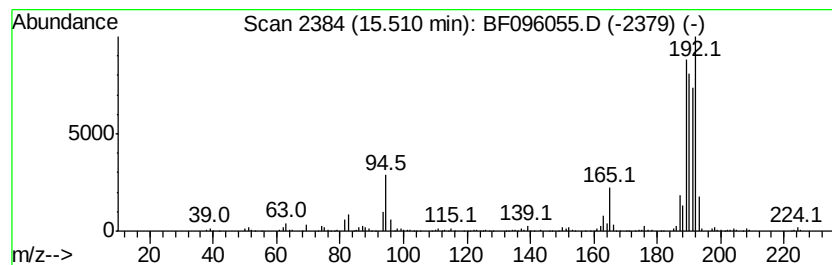
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 1H-Indene, 2-phenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.51	85.70 ng	1685150	Phenanthrene-d10	14.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50
2		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	46
3		1a,9b-Dihydro-1H-cyclopropa[alan...	192	C15H12	006109-24-6	46
4		1H-Cyclopropa[ll]phenanthrene, 1a,...	192	C15H12	000949-41-7	45
5		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
Data File : BF096055.D
Acq On : 20 Jun 2017 20:47
Operator : SJ/MA
Sample : I3759-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-02-061617

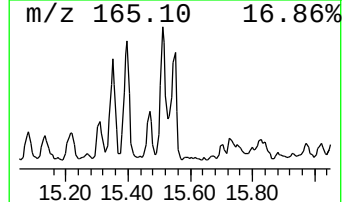
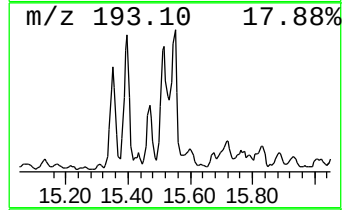
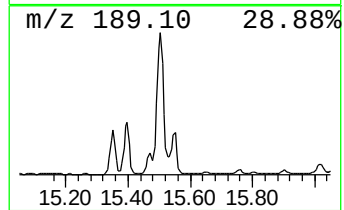
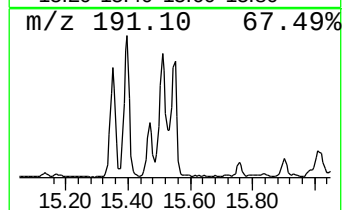
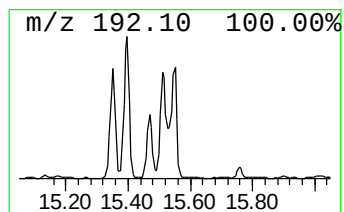
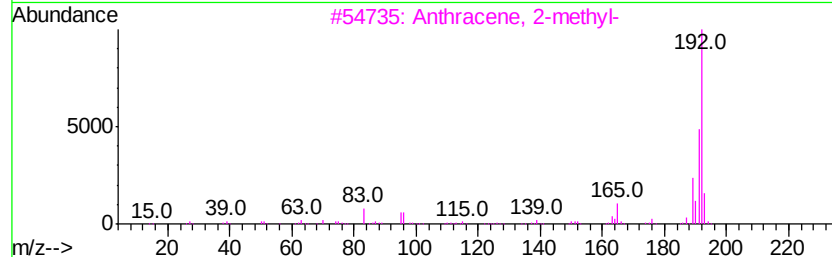
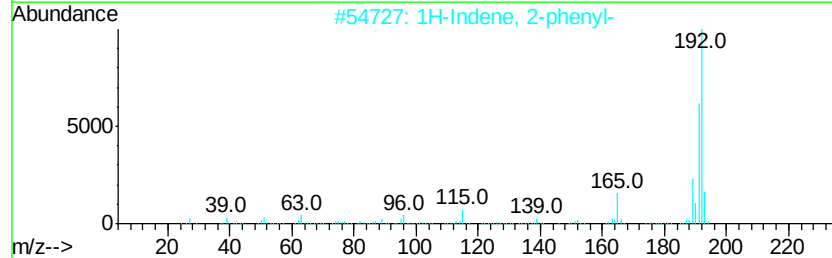
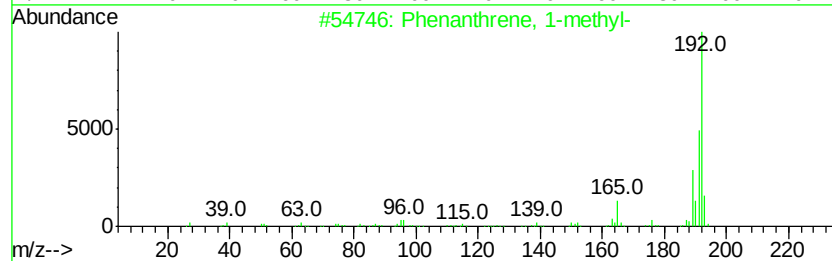
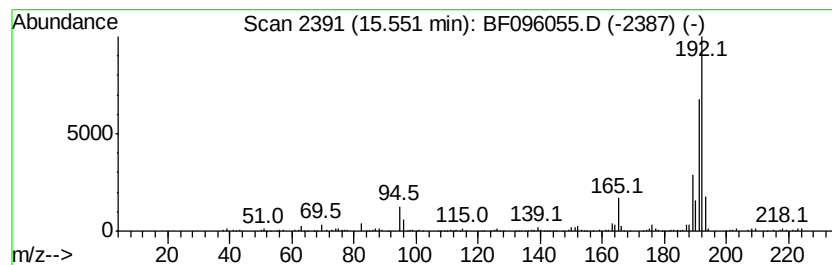
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	47.50 ng	933961	Phenanthrene-d10	14.54

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4			1H-Cyclopropa[1,1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	94
5			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062017\
Data File : BF096055.D
Acq On : 20 Jun 2017 20:47
Operator : SJ/MA
Sample : I3759-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-02-061617

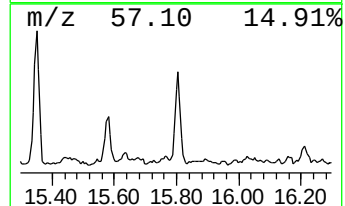
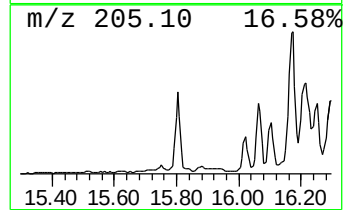
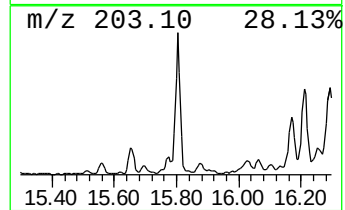
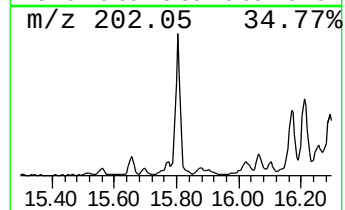
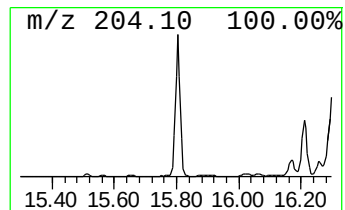
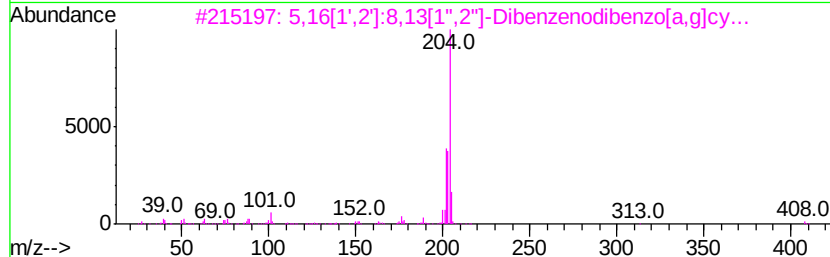
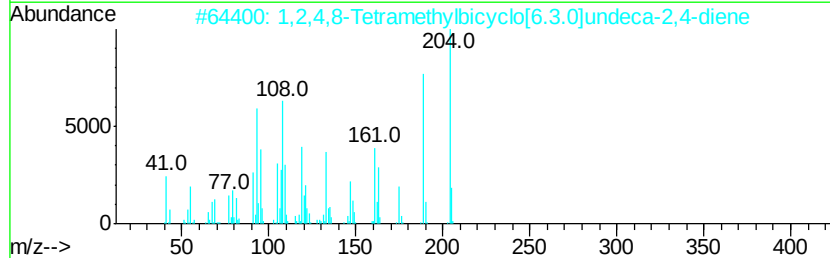
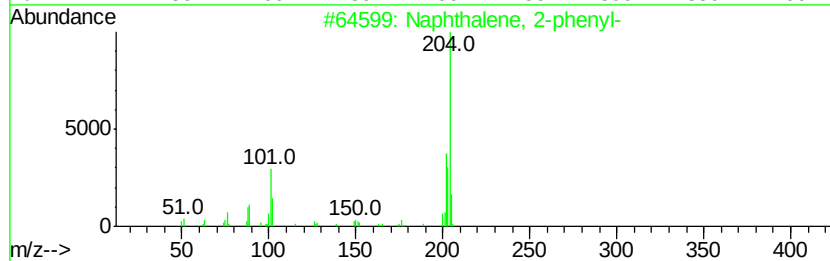
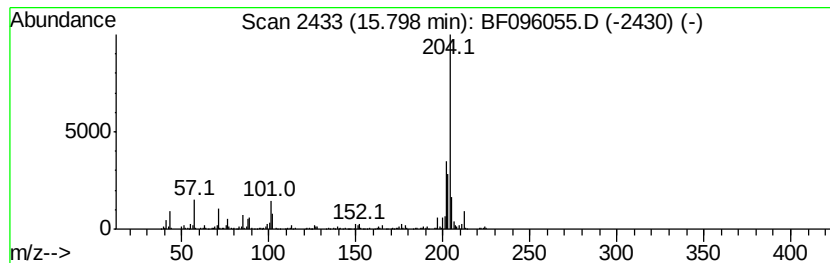
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	36.37 ng	715131	Phenanthrene-d10	14.54

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	89
3		5,16[1',2']-8,13[1'',2'']-Dibenzodibenzo[a,g]cy...	408	C32H24	005672-97-9	86
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
Data File : BF096055.D
Acq On : 20 Jun 2017 20:47
Operator : SJ/MA
Sample : I3759-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-02-061617

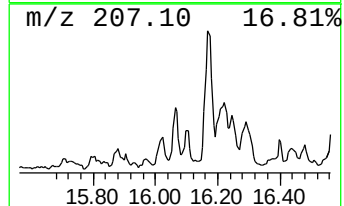
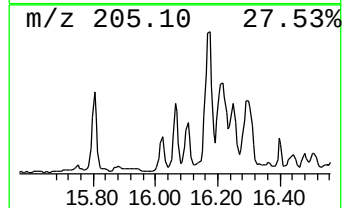
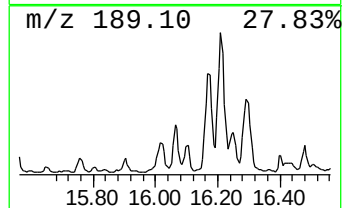
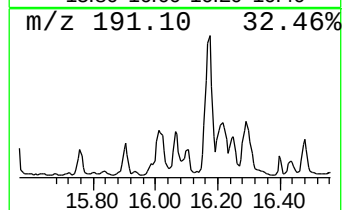
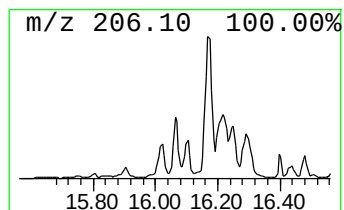
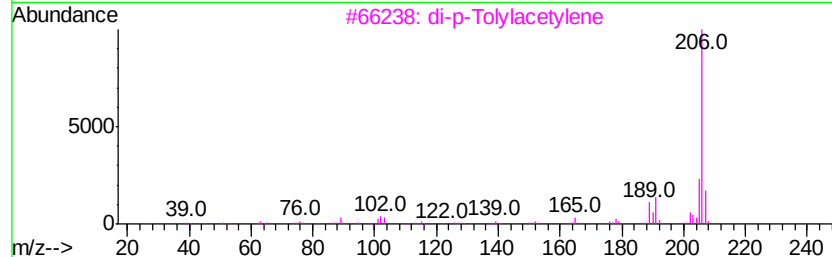
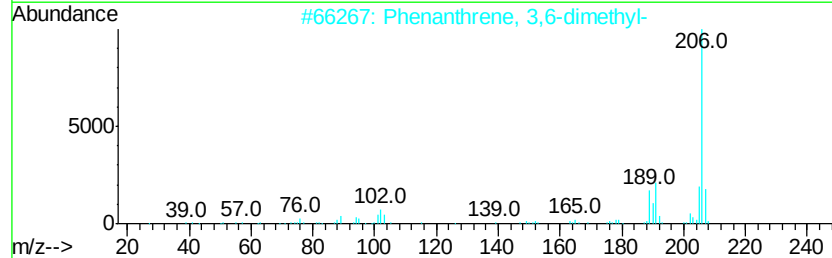
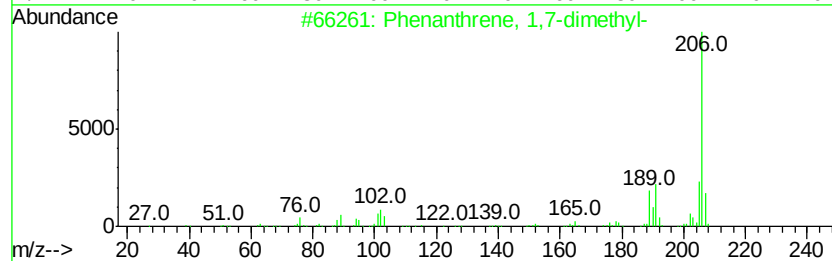
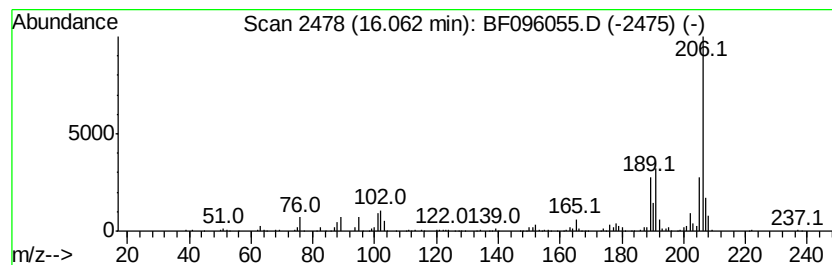
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Phenanthrene, 1,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	17.96 ng	353192	Phenanthrene-d10	14.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
3		di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	89



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
Data File : BF096055.D
Acq On : 20 Jun 2017 20:47
Operator : SJ/MA
Sample : I3759-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-02-061617

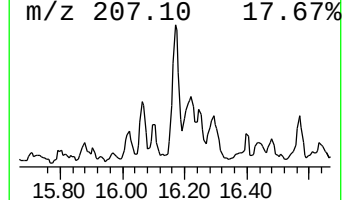
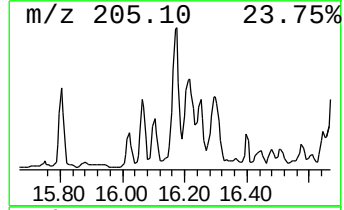
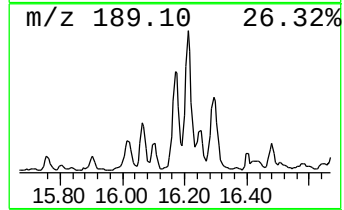
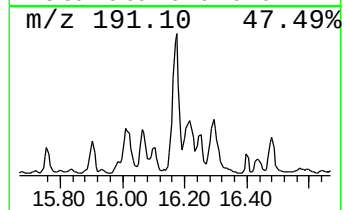
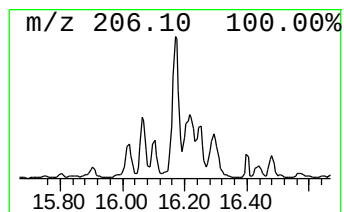
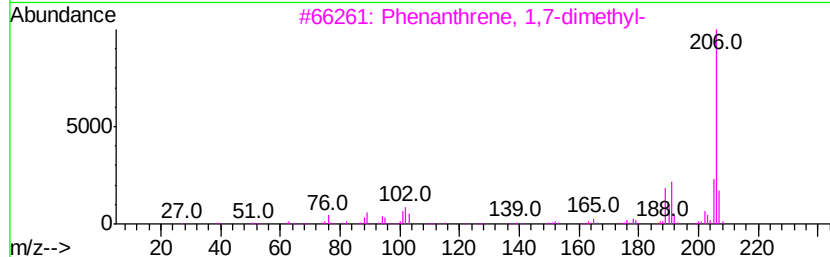
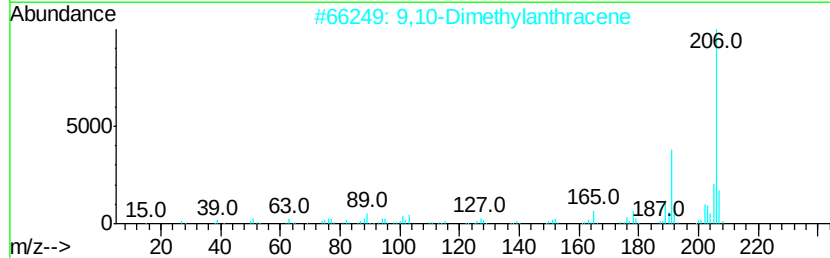
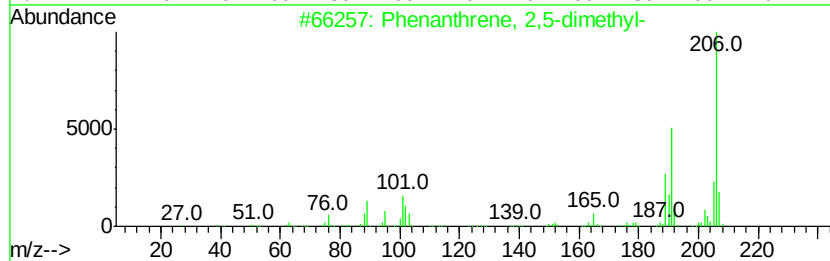
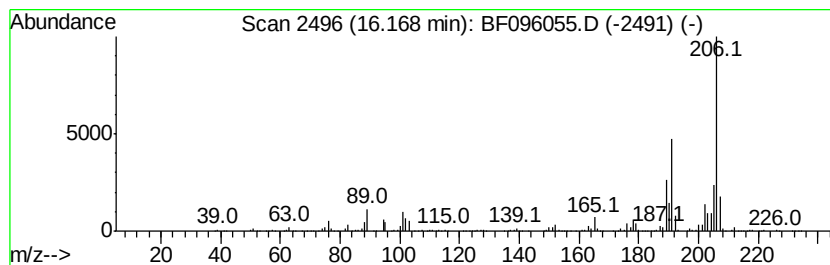
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.17	57.95 ng	1139450	Phenanthrene-d10	14.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	96
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
Data File : BF096055.D
Acq On : 20 Jun 2017 20:47
Operator : SJ/MA
Sample : I3759-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-02-061617

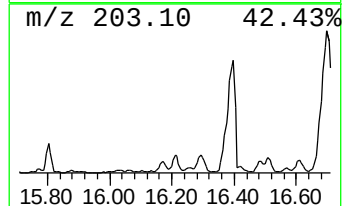
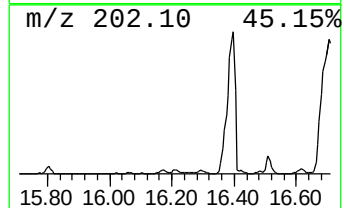
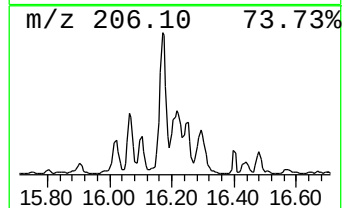
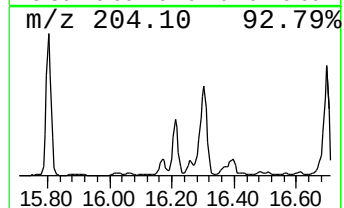
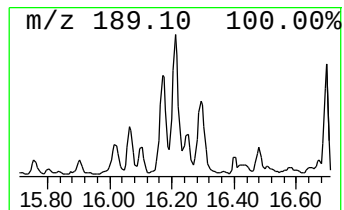
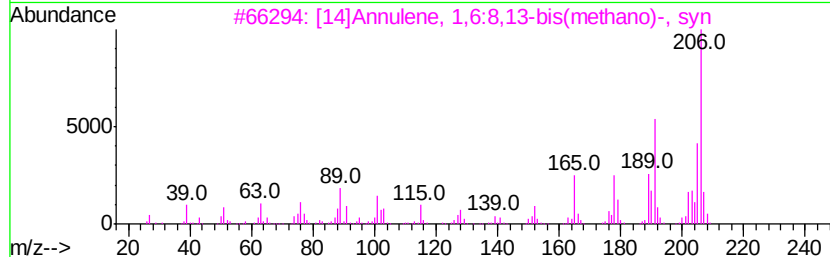
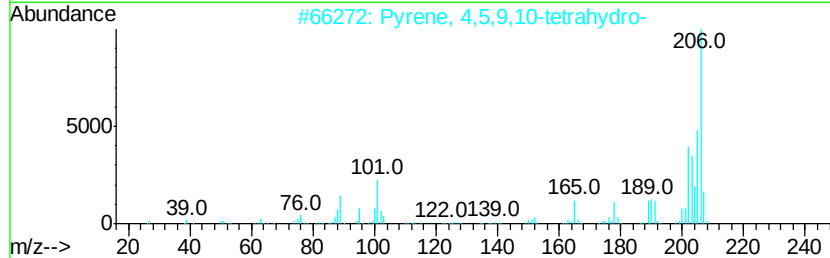
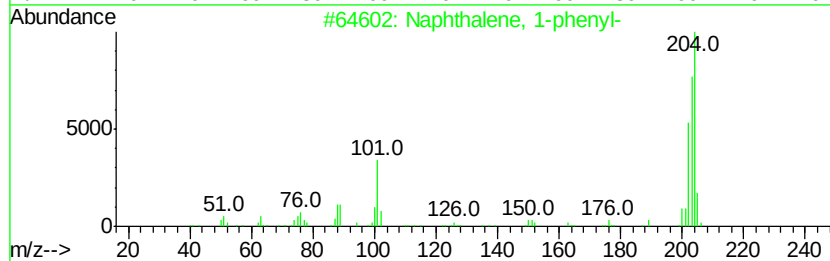
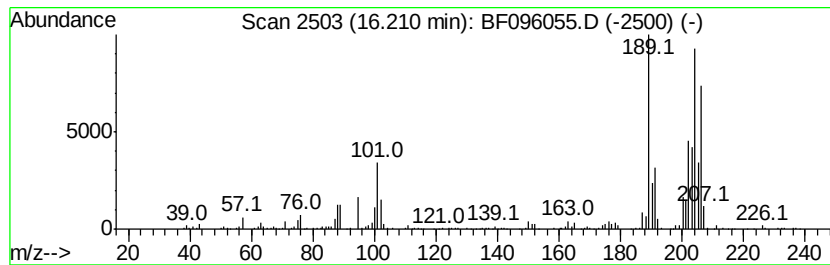
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 unknown16.21 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	37.79 ng	742981	Phenanthrene-d10	14.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	44
2		Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
3		[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	38
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
Data File : BF096055.D
Acq On : 20 Jun 2017 20:47
Operator : SJ/MA
Sample : I3759-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-02-061617

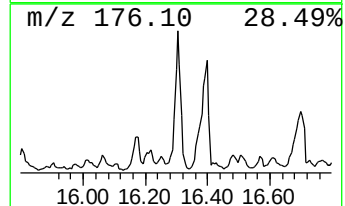
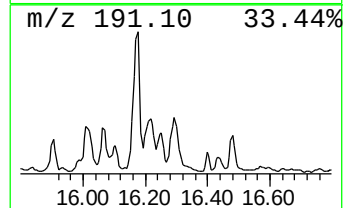
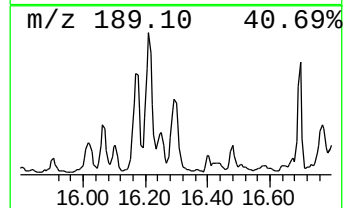
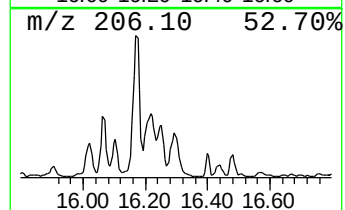
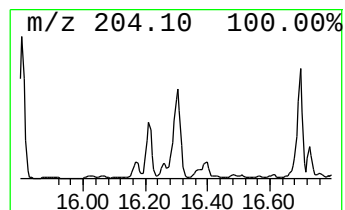
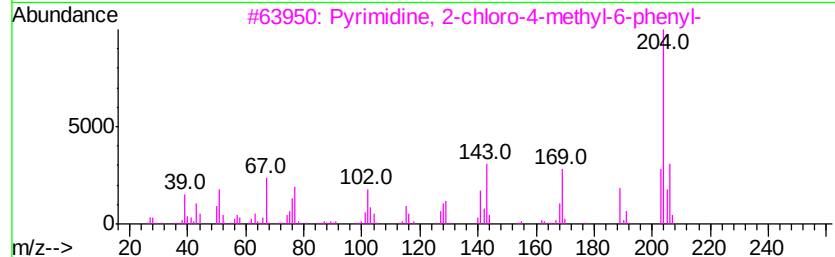
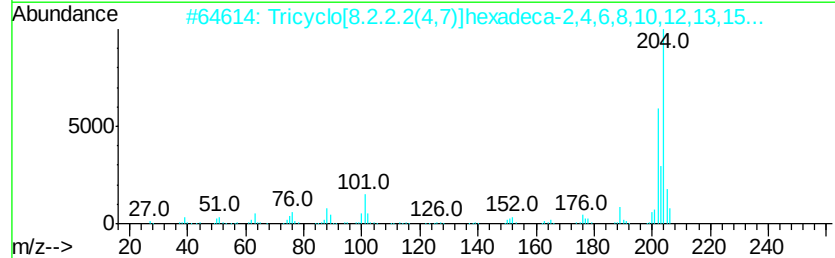
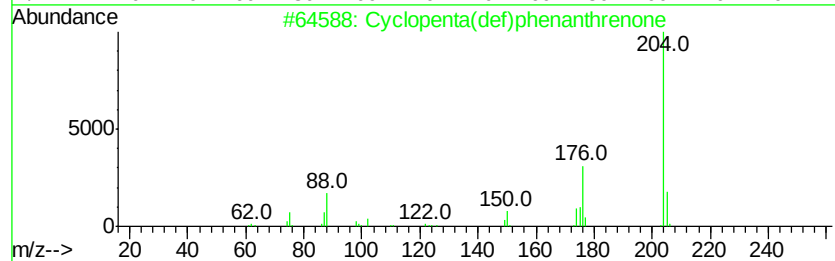
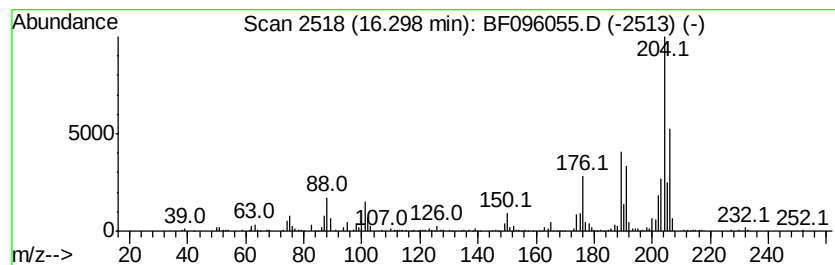
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	38.43 ng	755546	Phenanthrene-d10	14.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	83
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	46
3		Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	46
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	45
5		2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
Data File : BF096055.D
Acq On : 20 Jun 2017 20:47
Operator : SJ/MA
Sample : I3759-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

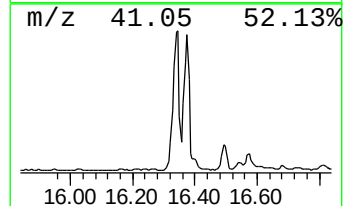
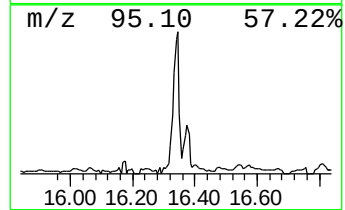
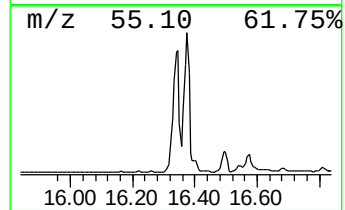
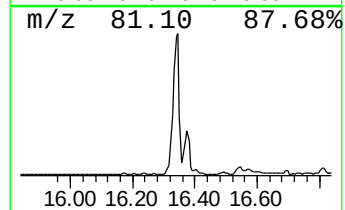
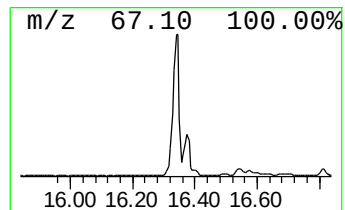
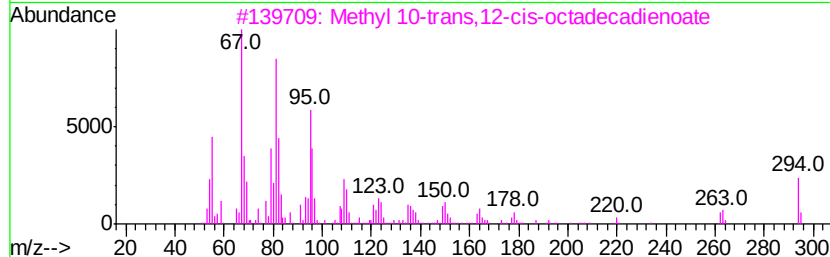
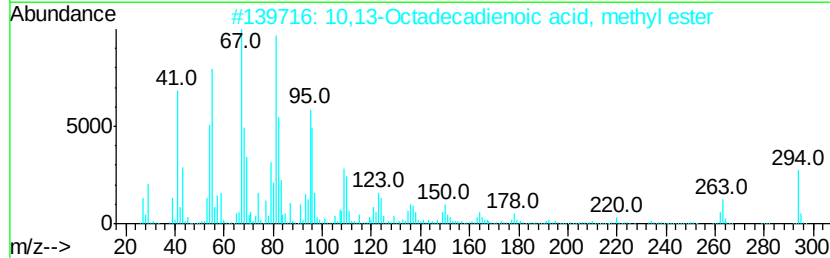
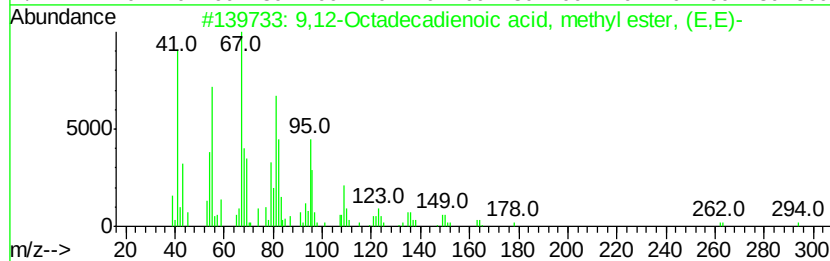
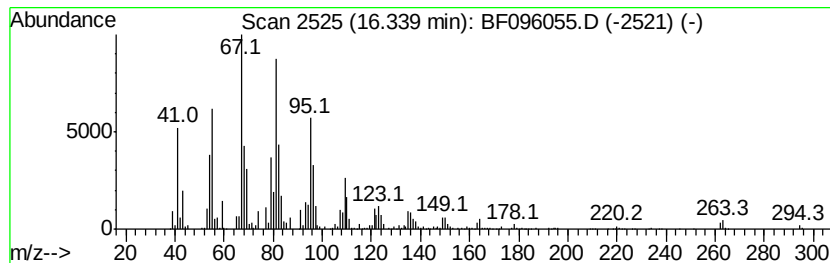
Instrument :
BNA_F
ClientSampleId :
SU-02-061617

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.34	150.15 ng	2952290	Phenanthrene-d10	14.54		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99	
2	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99	
3	Methyl 10-trans,12-cis-octadecad...	294	C19H34O2	1000336-44-2	98	
4	11,14-Octadecadienoic acid, meth...	294	C19H34O2	056554-61-1	96	
5	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	96	



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062017\
Data File : BF096055.D
Acq On : 20 Jun 2017 20:47
Operator : SJ/MA
Sample : I3759-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-02-061617

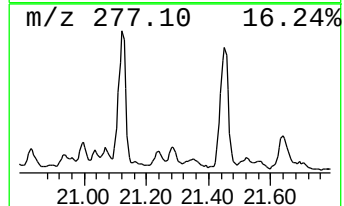
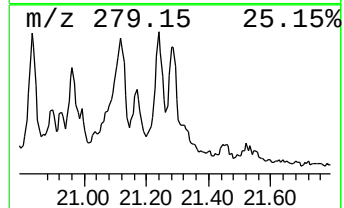
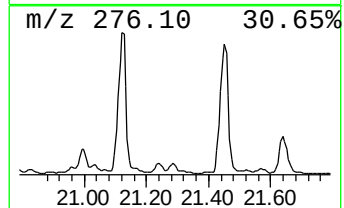
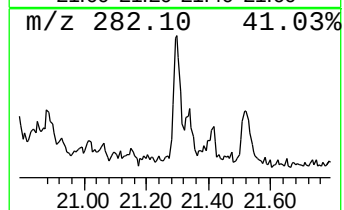
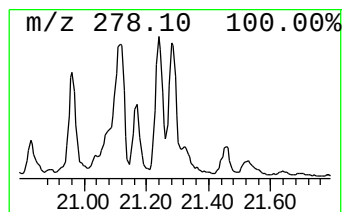
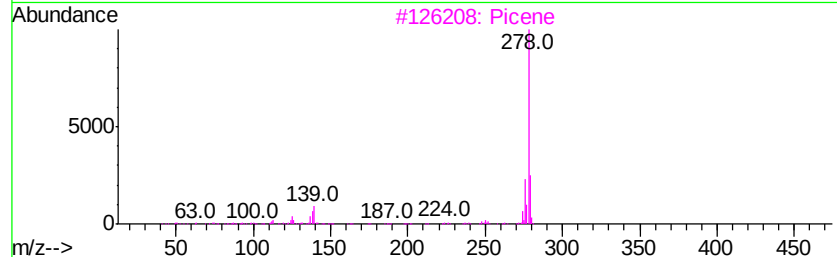
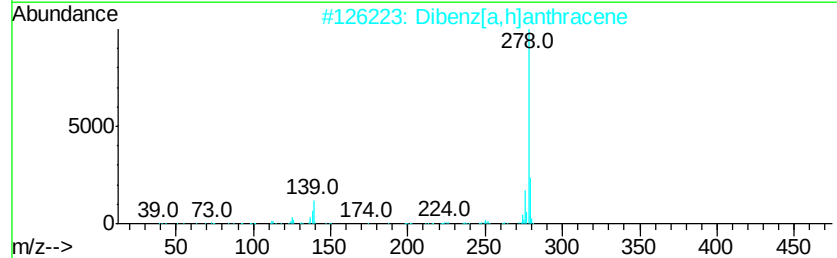
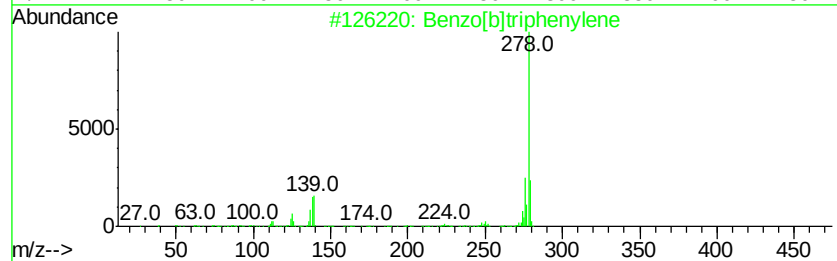
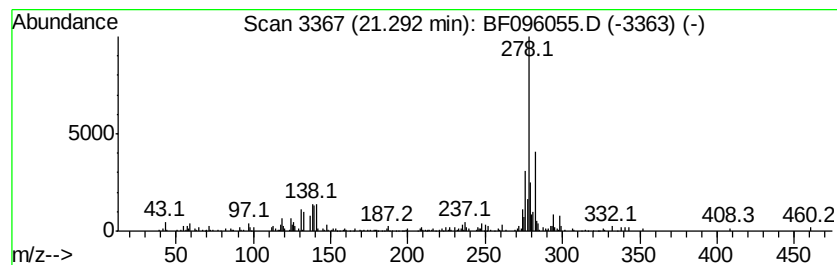
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Benzo[b]triphenylene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.29	17.63 ng	226083	Perylene-d12	19.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	92
2		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	86
3		Picene	278	C22H14	000213-46-7	86
4		Pentacene	278	C22H14	000135-48-8	70
5		Dibenz[a,j]anthracene	278	C22H14	000224-41-9	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
Data File : BF096055.D
Acq On : 20 Jun 2017 20:47
Operator : SJ/MA
Sample : I3759-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-02-061617

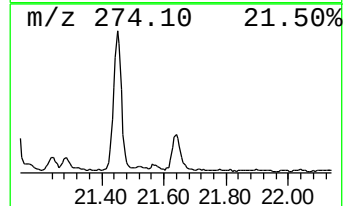
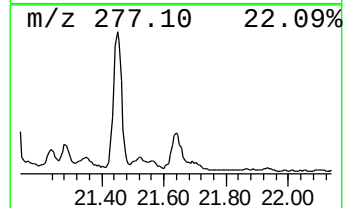
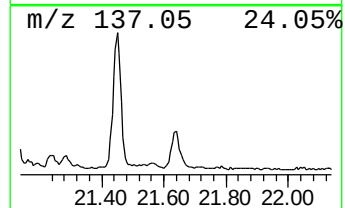
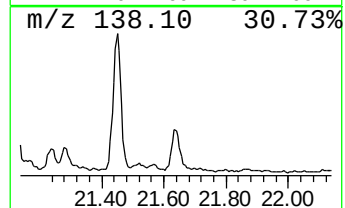
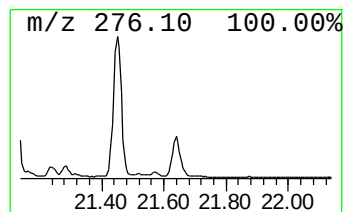
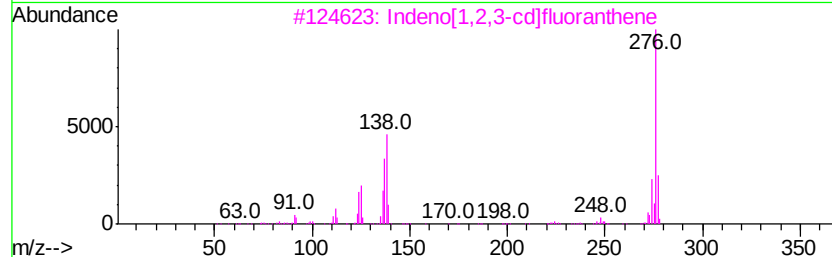
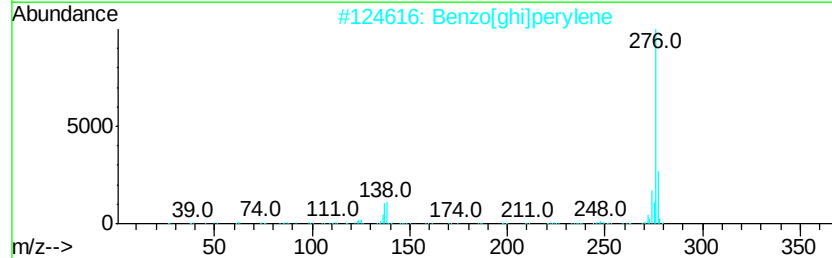
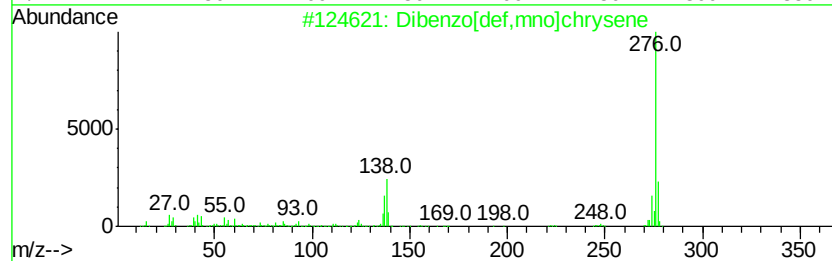
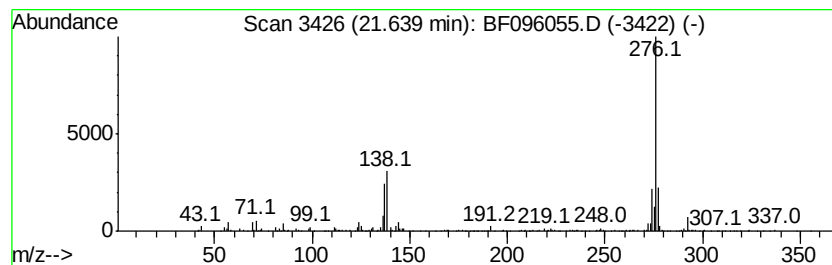
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.64	26.28 ng	336956	Perylene-d12	19.96

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	95
3		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	72
4		6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	46
5		Naphthalen-1-yl-(3-nitro-benzyl)...	276	C17H12N2O2	200421-53-0	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062017\
 Data File : BF096055.D
 Acq On : 20 Jun 2017 20:47
 Operator : SJ/MA
 Sample : I3759-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown6.95	6.95	99.8	ng	1854470	1	7.29	371591	20.0
Tetradecane, 2,6,...	13.78	21.6	ng	423652	4	14.54	393250	20.0
1-Methyldibenzoth...	15.20	18.8	ng	368581	4	14.54	393250	20.0
Anthracene, 2-met...	15.35	101.1	ng	1987130	4	14.54	393250	20.0
Phenanthrene, 2-m...	15.40	52.0	ng	1022310	4	14.54	393250	20.0
Anthracene, 9-met...	15.47	21.5	ng	421917	4	14.54	393250	20.0
1H-Indene, 2-phenyl-	15.51	85.7	ng	1685150	4	14.54	393250	20.0
Phenanthrene, 1-m...	15.55	47.5	ng	933961	4	14.54	393250	20.0
Naphthalene, 2-ph...	15.80	36.4	ng	715131	4	14.54	393250	20.0
Phenanthrene, 1,7...	16.06	18.0	ng	353192	4	14.54	393250	20.0
Phenanthrene, 2,5...	16.17	58.0	ng	1139450	4	14.54	393250	20.0
unknown16.21	16.21	37.8	ng	742981	4	14.54	393250	20.0
Cyclopenta(def)ph...	16.30	38.4	ng	755546	4	14.54	393250	20.0
9,12-Octadecadien...	16.34	150.2	ng	2952290	4	14.54	393250	20.0
Benzo[b]triphenylene	21.29	17.6	ng	226083	6	19.96	256442	20.0
Dibenzo[def,mno]c...	21.64	26.3	ng	336956	6	19.96	256442	20.0