

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
 Data File : BF095536.D
 Acq On : 30 May 2017 15:35
 Operator : SJ/MA
 Sample : I3281-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP-2-D1012

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-BF050217.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.701	637	640	672	rBV	668542	1932433	53.76%	2.101%
2	7.283	905	909	925	rBV	737679	1785939	49.69%	1.942%
3	7.401	925	929	939	rVB	1256874	2183351	60.74%	2.374%
4	7.736	982	986	996	rBV	442107	563272	15.67%	0.612%
5	7.972	1021	1026	1043	rVB	1166742	1522306	42.35%	1.655%
6	8.642	1136	1140	1155	rBV	554172	1139159	31.69%	1.239%
7	9.760	1320	1330	1334	rBV	501549	766846	21.33%	0.834%
8	10.924	1523	1528	1534	rBV	199752	282944	7.87%	0.308%
9	11.071	1549	1553	1561	rBV	238139	326713	9.09%	0.355%
10	11.524	1625	1630	1642	rVV	1595545	2012558	55.99%	2.188%
11	11.824	1673	1681	1695	rVB	150821	354218	9.85%	0.385%
12	11.930	1695	1699	1701	rBV	343226	447455	12.45%	0.486%
13	12.054	1715	1720	1724	rBV	609490	900577	25.06%	0.979%
14	12.095	1724	1727	1738	rVB	398878	525273	14.61%	0.571%
15	12.224	1745	1749	1750	rBV	268071	332065	9.24%	0.361%
16	12.371	1767	1774	1778	rVV2	287419	534850	14.88%	0.581%
17	12.589	1806	1811	1816	rVV3	692350	1253792	34.88%	1.363%
18	12.636	1816	1819	1826	rVV	499845	652420	18.15%	0.709%
19	12.789	1840	1845	1852	rBV2	170712	331336	9.22%	0.360%
20	12.930	1864	1869	1871	rBV	400504	511553	14.23%	0.556%
21	13.012	1877	1883	1888	rVB	396223	492893	13.71%	0.536%
22	13.130	1898	1903	1907	rVB	365441	508385	14.14%	0.553%
23	13.177	1907	1911	1916	rBV	379046	440756	12.26%	0.479%
24	13.277	1920	1928	1930	rBV	330378	532344	14.81%	0.579%
25	13.418	1947	1952	1956	rBV4	332760	478369	13.31%	0.520%
26	13.483	1956	1963	1971	rVB	1305645	1751150	48.72%	1.904%
27	13.571	1971	1978	1980	rBV4	258751	411567	11.45%	0.447%
28	13.754	2005	2009	2012	rBV	460676	614170	17.09%	0.668%
29	13.889	2027	2032	2040	rVV2	1054282	1936461	53.88%	2.105%
30	13.960	2040	2044	2049	rVB2	195892	283105	7.88%	0.308%
31	14.218	2085	2088	2093	rVB2	340937	449941	12.52%	0.489%
32	14.383	2109	2116	2120	rBV2	479705	943744	26.26%	1.026%
33	14.430	2120	2124	2128	rVB	322404	430694	11.98%	0.468%
34	14.507	2129	2137	2144	rVB3	307457	655807	18.25%	0.713%

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35	14.607	2149	2154	2158	rBV4	491452	773827	21.53%	0.841%
36	14.707	2168	2171	2179	rVB5	270736	384906	10.71%	0.418%
37	14.783	2179	2184	2189	rBV	451016	742110	20.65%	0.807%
38	14.830	2189	2192	2196	rVB2	228461	287297	7.99%	0.312%
39	14.995	2212	2220	2222	rBV	532483	801031	22.29%	0.871%
40	15.036	2222	2227	2231	rVB	2650970	3594318	100.00%	3.908%
41	15.118	2236	2241	2249	rVB	1705830	2139884	59.54%	2.327%
42	15.206	2250	2256	2260	rBV	355102	623733	17.35%	0.678%
43	15.430	2290	2294	2299	rVV4	210105	436499	12.14%	0.475%
44	15.583	2318	2320	2326	rVB3	239871	328792	9.15%	0.357%
45	15.653	2326	2332	2337	rBV5	127803	276782	7.70%	0.301%
46	15.777	2348	2353	2356	rBV	846001	959870	26.71%	1.044%
47	15.818	2356	2360	2368	rVB	1398144	1590641	44.25%	1.729%
48	15.889	2368	2372	2375	rBV	1349426	1555846	43.29%	1.692%
49	15.930	2375	2379	2381	rVV2	1315332	1692440	47.09%	1.840%
50	15.965	2383	2385	2391	rVB	903879	1015566	28.25%	1.104%
51	16.183	2418	2422	2424	rBV	246719	307062	8.54%	0.334%
52	16.212	2424	2427	2430	rVB	464714	508083	14.14%	0.552%
53	16.424	2459	2463	2467	rBV2	325448	416176	11.58%	0.452%
54	16.571	2484	2488	2491	rVV	951179	1217894	33.88%	1.324%
55	16.618	2491	2496	2500	rVV2	609369	1283981	35.72%	1.396%
56	16.648	2500	2501	2504	rVV2	370645	332791	9.26%	0.362%
57	16.695	2504	2509	2512	rVV2	397965	586312	16.31%	0.637%
58	16.789	2519	2525	2528	rBV	2484250	2996229	83.36%	3.258%
59	16.859	2533	2537	2543	rVV2	1350453	1617991	45.02%	1.759%
60	16.912	2543	2546	2551	rVB	571377	677737	18.86%	0.737%
61	17.083	2571	2575	2579	rBV2	2368863	3354964	93.34%	3.648%
62	17.124	2579	2582	2585	rBV	340597	374373	10.42%	0.407%
63	17.265	2603	2606	2610	rBV	519527	627987	17.47%	0.683%
64	17.318	2611	2615	2621	rVB	1058982	1277323	35.54%	1.389%
65	17.400	2622	2629	2640	rVB5	499210	1244574	34.63%	1.353%
66	17.483	2640	2643	2645	rBV	278148	367860	10.23%	0.400%
67	17.512	2645	2648	2651	rVV2	304236	522569	14.54%	0.568%
68	17.547	2651	2654	2659	rVB	1514326	1686813	46.93%	1.834%
69	17.636	2664	2669	2673	rVB	1302530	1583864	44.07%	1.722%
70	17.677	2673	2676	2682	rBV3	939247	1419886	39.50%	1.544%
71	17.795	2693	2696	2700	rVB	491492	496733	13.82%	0.540%

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72	17.836	2700	2703	2711	rBV2	346459	655154	18.23%	0.712%
73	18.112	2747	2750	2753	rVB	239231	290603	8.09%	0.316%
74	18.183	2758	2762	2767	rBV2	424907	870634	24.22%	0.947%
75	18.377	2792	2795	2798	rVB2	402460	409740	11.40%	0.445%
76	18.412	2798	2801	2804	rBV	305067	381014	10.60%	0.414%
77	18.671	2839	2845	2848	rBV2	2063406	3301665	91.86%	3.590%
78	18.712	2848	2852	2856	rVB	1697231	2151134	59.85%	2.339%
79	18.800	2863	2867	2871	rVB2	356598	471638	13.12%	0.513%
80	18.889	2878	2882	2889	rVV2	438664	658832	18.33%	0.716%
81	18.953	2889	2893	2897	rVV2	333444	465058	12.94%	0.506%
82	19.130	2919	2923	2926	rBV2	274885	396971	11.04%	0.432%
83	19.177	2927	2931	2935	rVV	999567	1326940	36.92%	1.443%
84	19.218	2935	2938	2942	rVB2	506568	565971	15.75%	0.615%
85	19.294	2943	2951	2954	rVV2	468624	766943	21.34%	0.834%
86	19.336	2954	2958	2959	rVV3	432175	518182	14.42%	0.563%
87	19.353	2959	2961	2965	rVB3	589613	668985	18.61%	0.727%
88	19.694	3016	3019	3025	rVB2	302208	433078	12.05%	0.471%
89	19.953	3057	3063	3065	rBV	1380163	2112217	58.77%	2.296%
90	20.059	3077	3081	3085	rBV	498964	609446	16.96%	0.663%
91	20.165	3093	3099	3102	rBV	217589	410902	11.43%	0.447%
92	20.241	3108	3112	3118	rVB	721777	860331	23.94%	0.935%
93	20.300	3118	3122	3127	rBV	1331087	1726606	48.04%	1.877%
94	20.353	3128	3131	3134	rVB2	346037	378347	10.53%	0.411%
95	20.388	3134	3137	3139	rBV	266293	318770	8.87%	0.347%
96	20.524	3156	3160	3163	rBV3	274138	452559	12.59%	0.492%
97	21.688	3353	3358	3365	rVB2	401068	742353	20.65%	0.807%
98	22.077	3419	3424	3442	rBV	252970	992603	27.62%	1.079%
99	22.300	3459	3462	3469	rVB	156003	277763	7.73%	0.302%
100	24.047	3752	3759	3771	rVB3	110168	370618	10.31%	0.403%

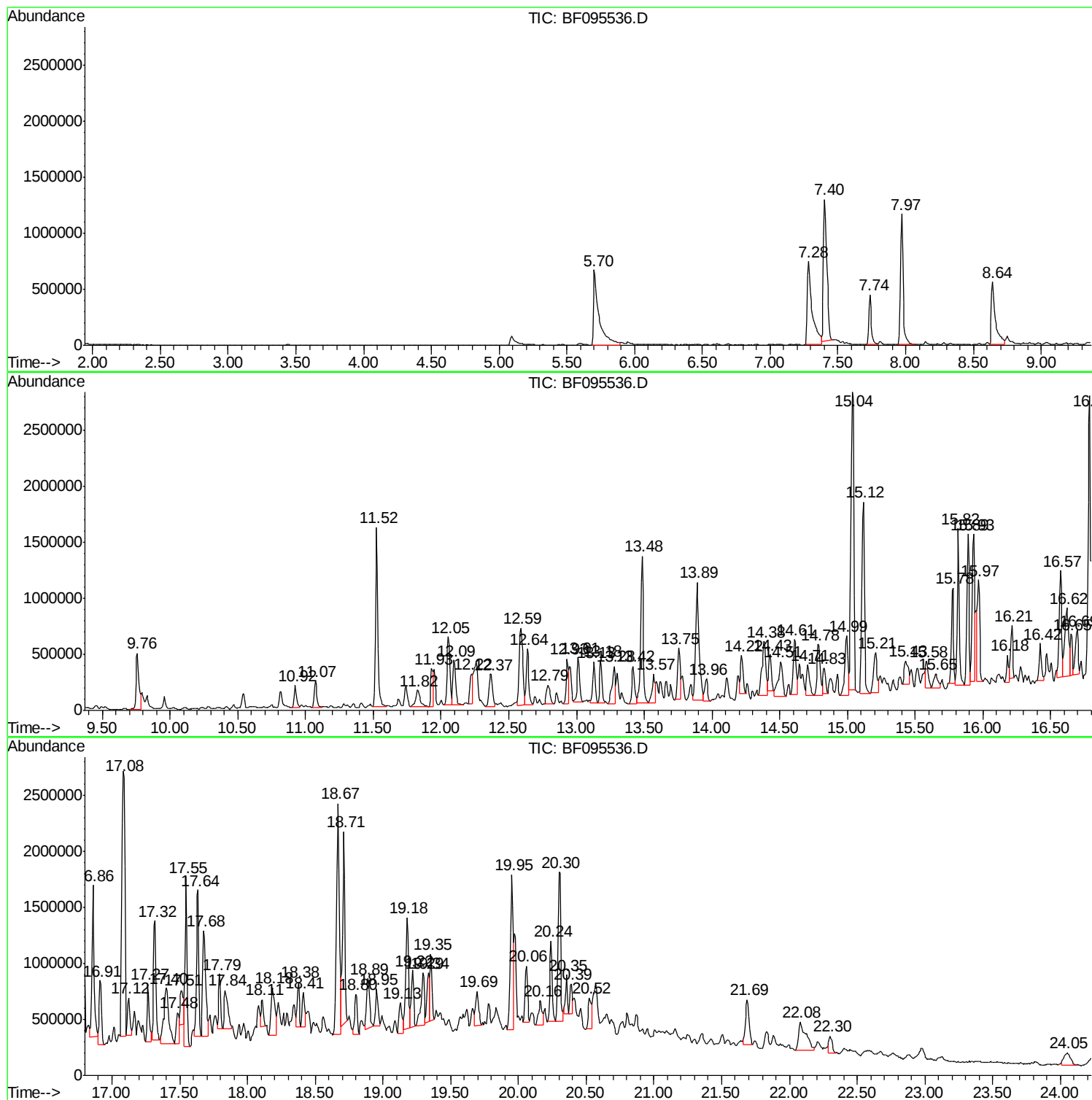
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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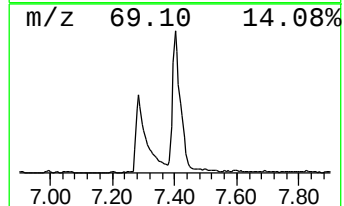
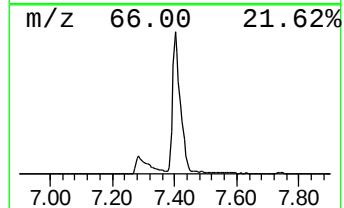
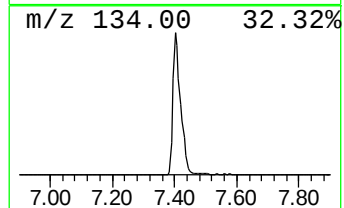
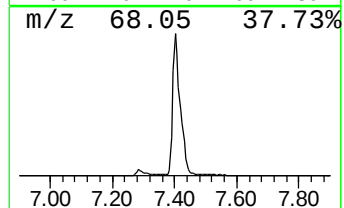
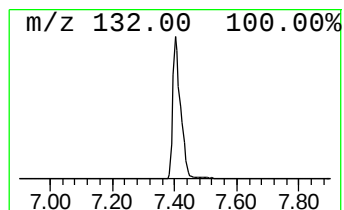
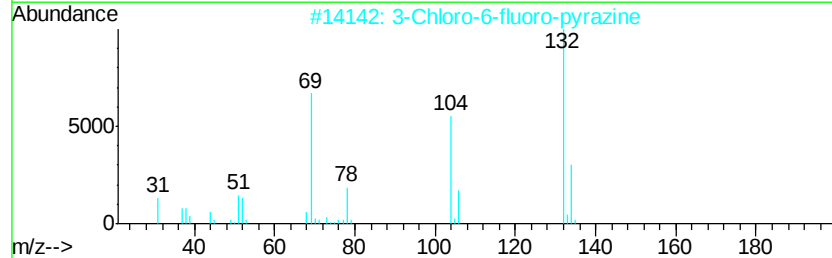
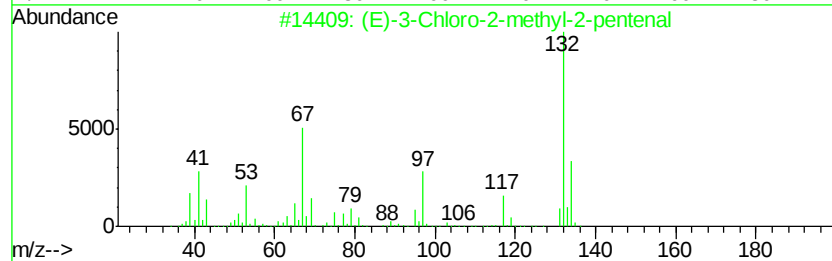
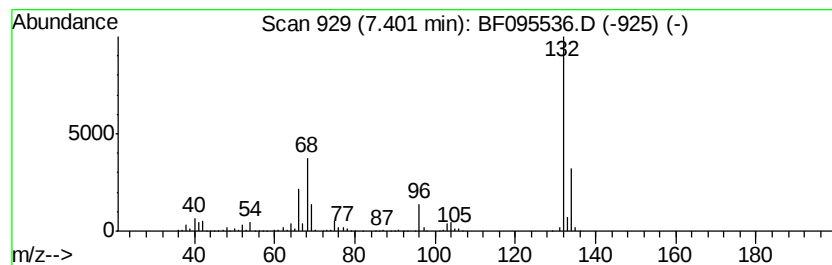
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 1 unknown7.40 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	77.52 ng	2183350	1,4-Dichlorobenzene-d4	7.74

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	25
3		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4		5-Aminoindole	132	C8H8N2	005192-03-0	12
5		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9



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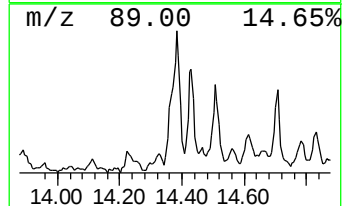
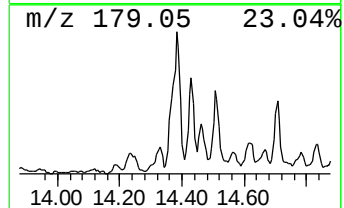
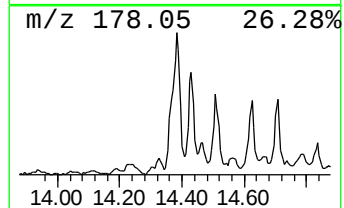
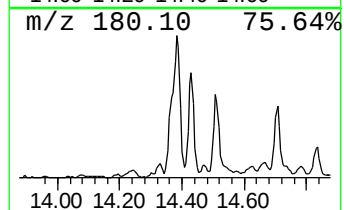
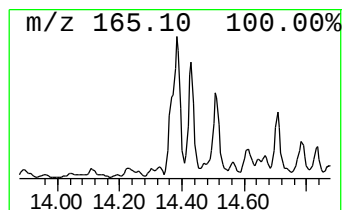
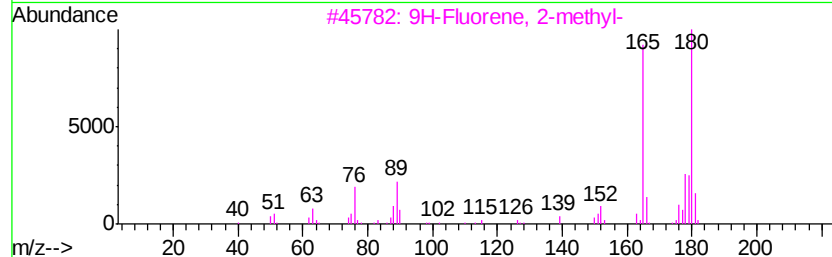
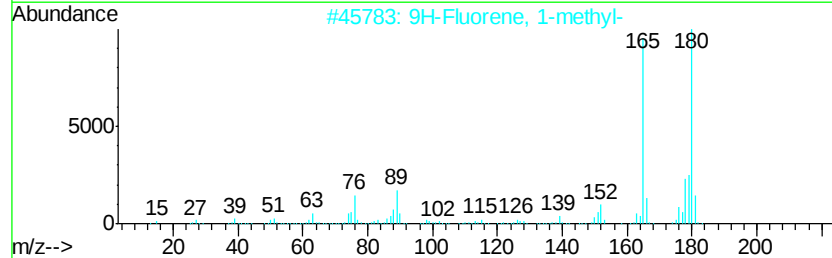
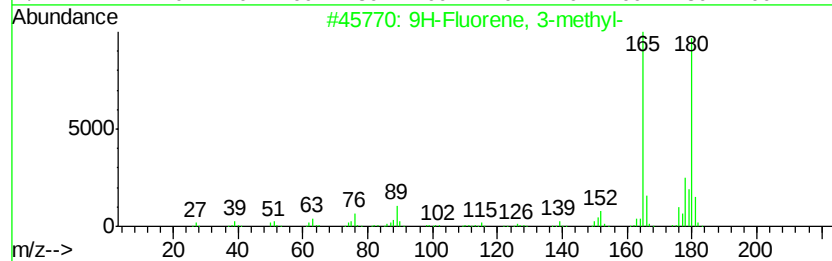
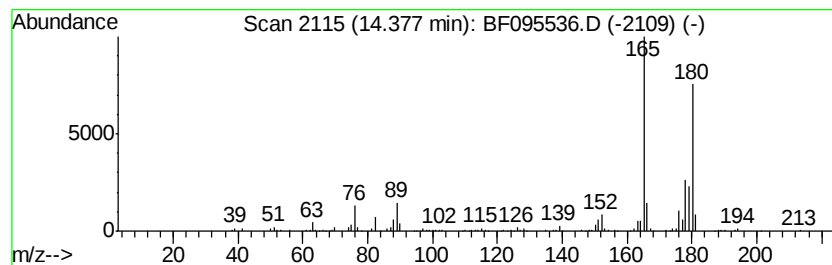
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 9H-Fluorene, 3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.38	23.56 ng	943744	Phenanthrene-d10	14.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91
3		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	87
4		4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	83
5		(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	80



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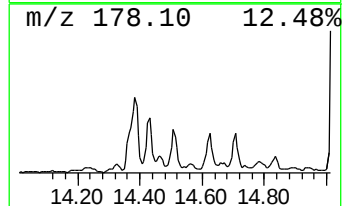
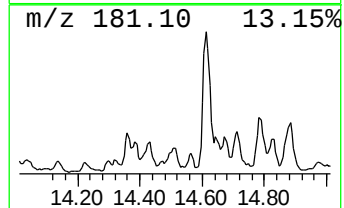
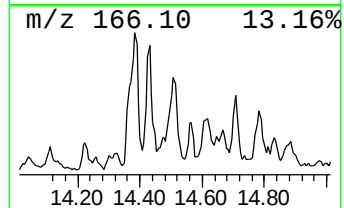
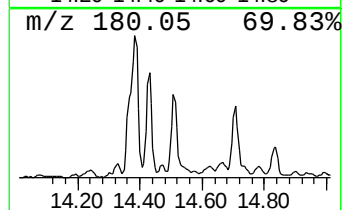
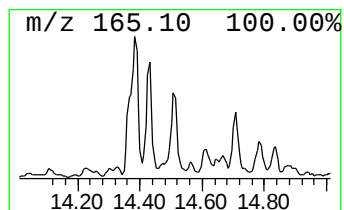
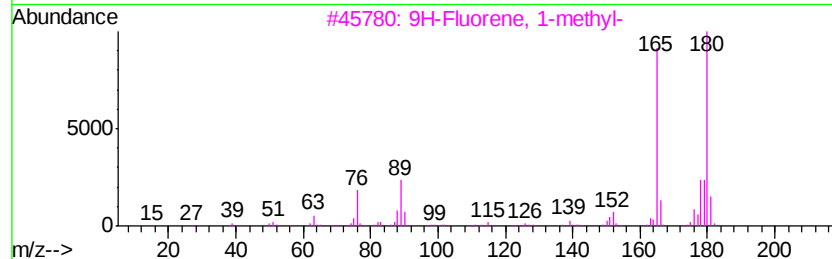
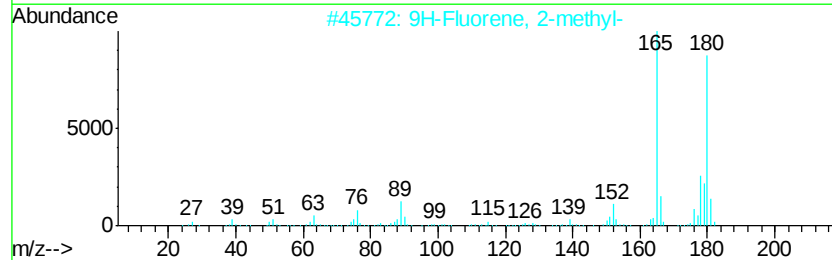
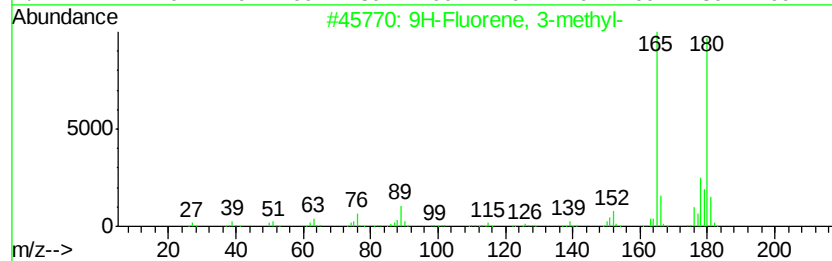
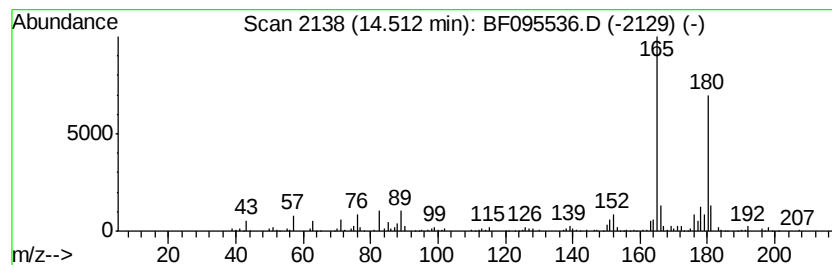
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Peak Number 4 9H-Fluorene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	16.37 ng	655807	Phenanthrene-d10	14.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
2		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	91
3		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	87
5		4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
Data File : BF095536.D
Acq On : 30 May 2017 15:35
Operator : SJ/MA
Sample : I3281-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
R1-TP-2-D1012

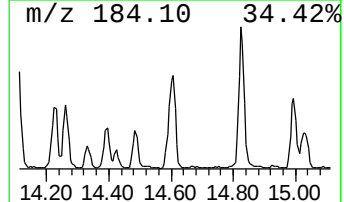
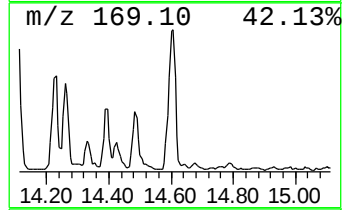
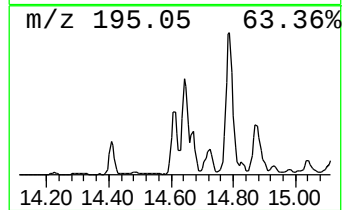
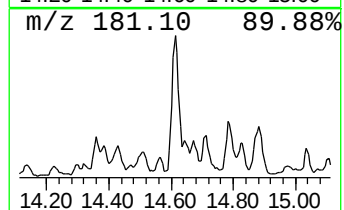
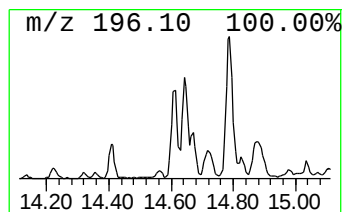
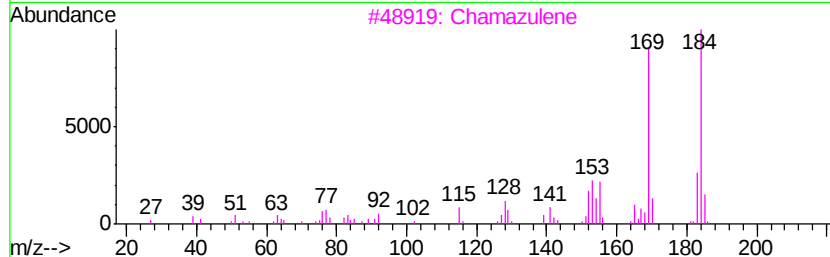
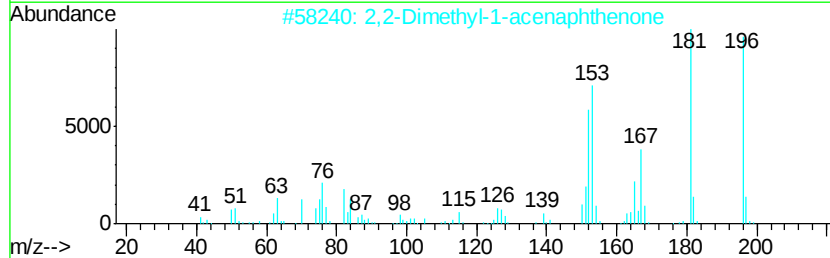
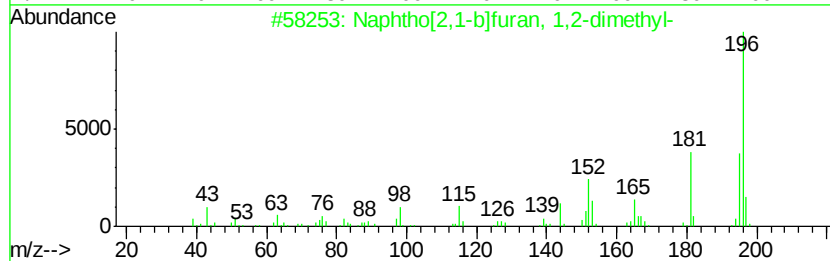
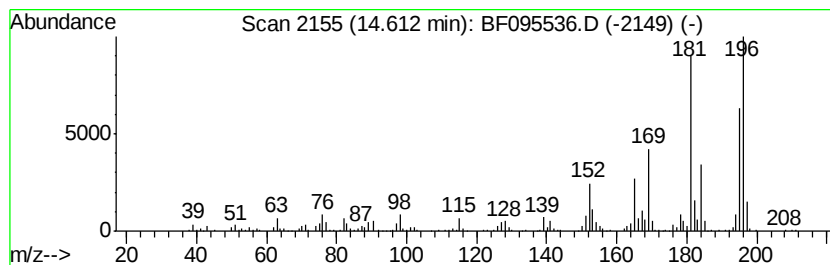
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphtho[2,1-b]furan, 1,2-di... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	19.32 ng	773827	Phenanthrene-d10	14.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	89
2		2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	64
3		Chamazulene	184	C14H16	000529-05-5	47
4		Pentamethylmelamine	196	C8H16N6	035832-09-8	46
5		Benzene, 1,1'-methylenebis[3-met...	196	C15H16	021895-14-7	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
Data File : BF095536.D
Acq On : 30 May 2017 15:35
Operator : SJ/MA
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Misc :
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Instrument :
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ClientSampleId :
R1-TP-2-D1012

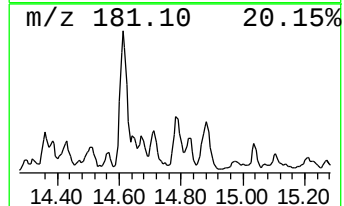
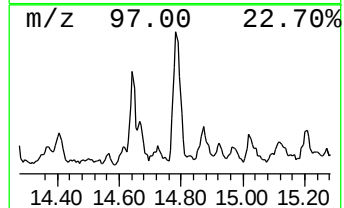
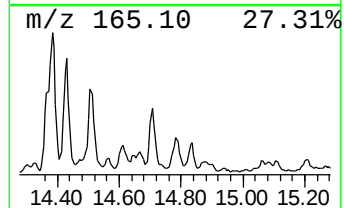
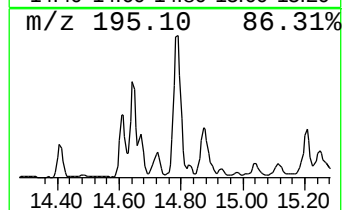
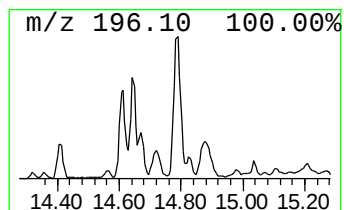
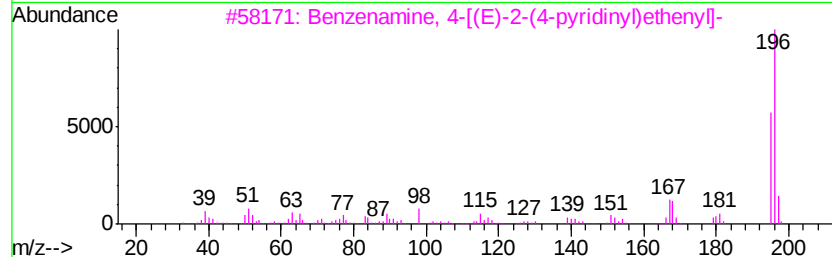
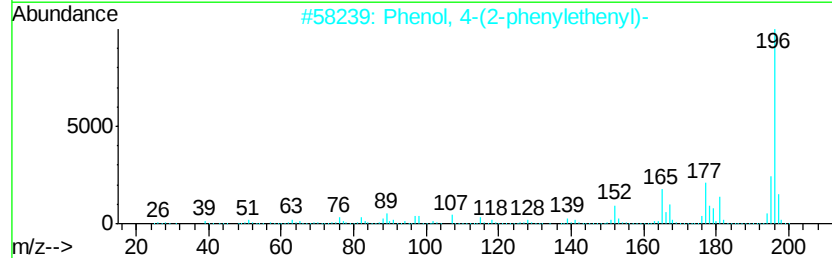
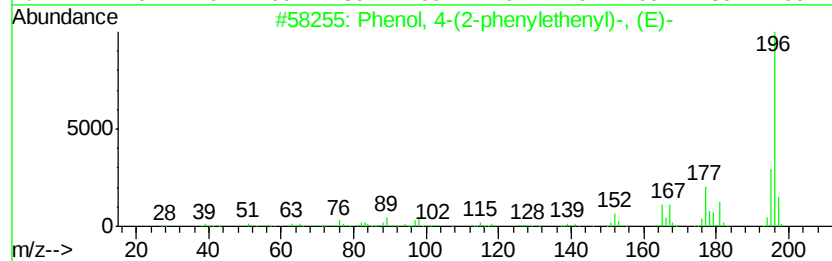
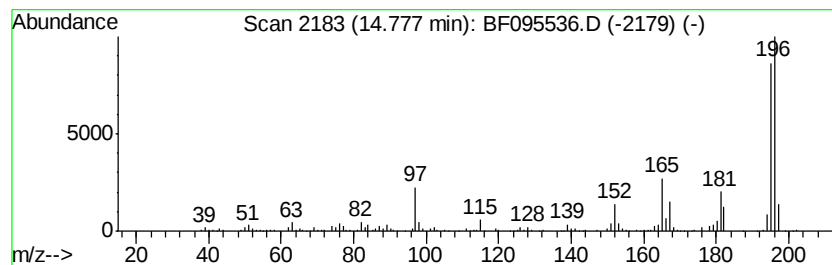
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown14.78 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.78	18.53 ng	742110	Phenanthrene-d10	14.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	47
2		Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	47
3		Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	46
4		Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	43
5		Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
Data File : BF095536.D
Acq On : 30 May 2017 15:35
Operator : SJ/MA
Sample : I3281-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
R1-TP-2-D1012

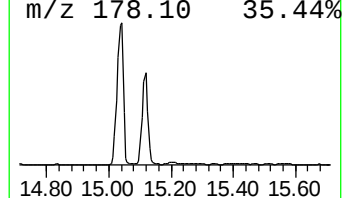
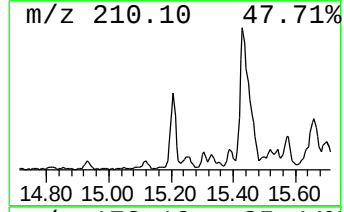
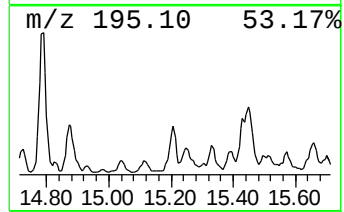
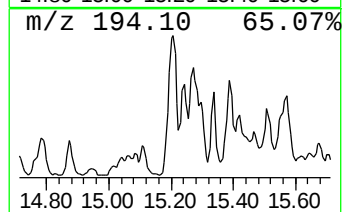
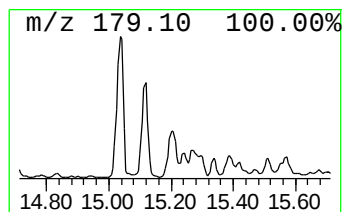
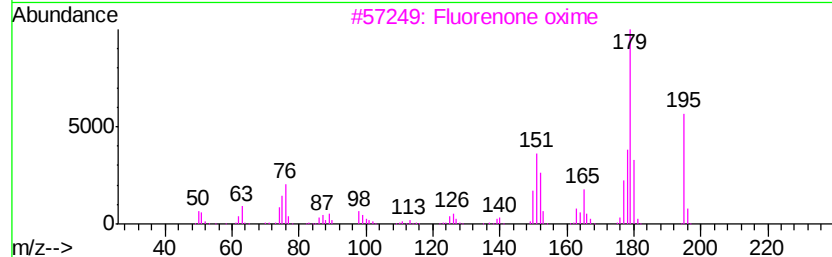
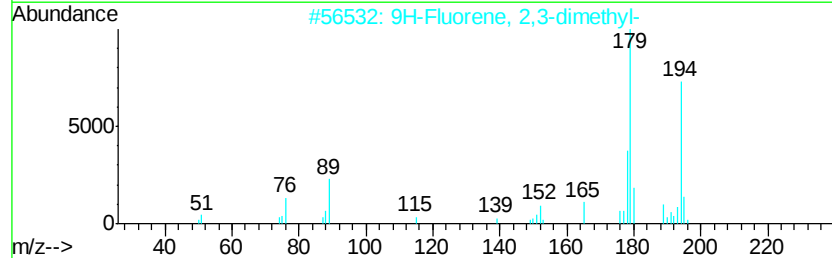
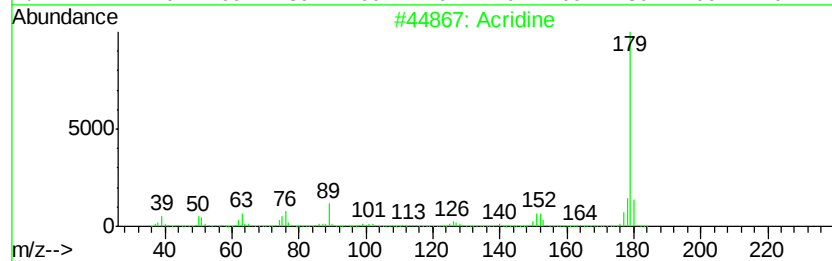
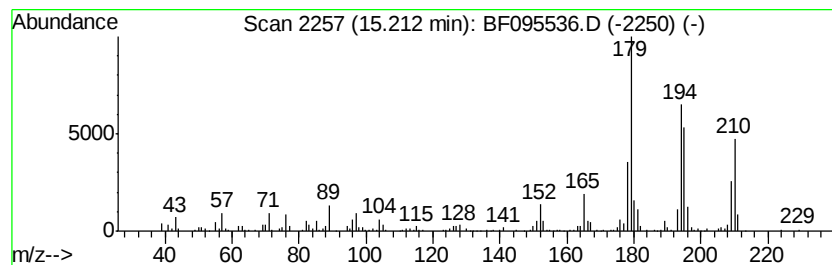
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Acridine Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	15.57 ng	623733	Phenanthrene-d10	14.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Acridine	179	C13H9N	000260-94-6	70
2		9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	60
3		Fluorenone oxime	195	C13H9NO	002157-52-0	55
4		Phenanthridine, 5-oxide	195	C13H9NO	014548-01-7	49
5		Anthracene, 9,10-dihydro-2-methyl-	194	C15H14	000948-67-4	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
Data File : BF095536.D
Acq On : 30 May 2017 15:35
Operator : SJ/MA
Sample : I3281-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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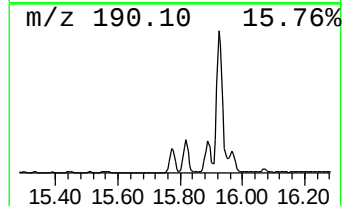
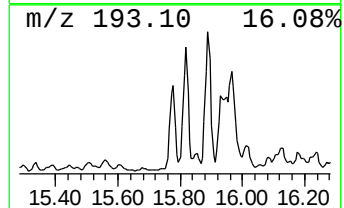
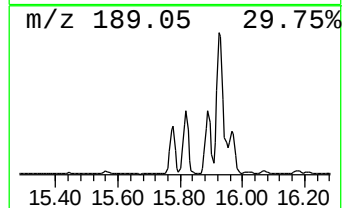
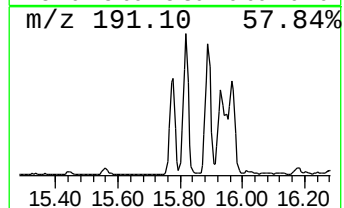
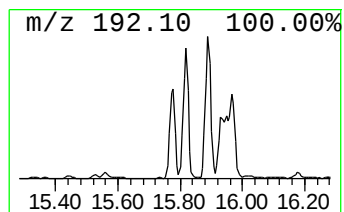
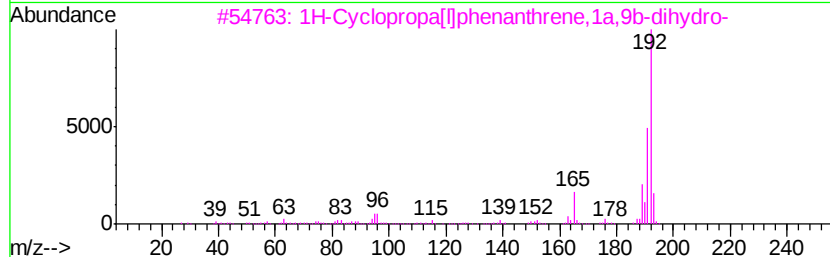
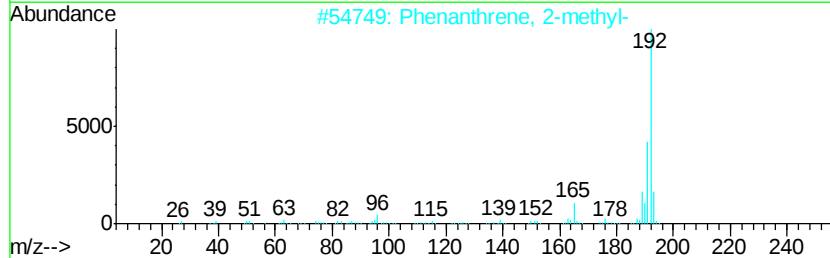
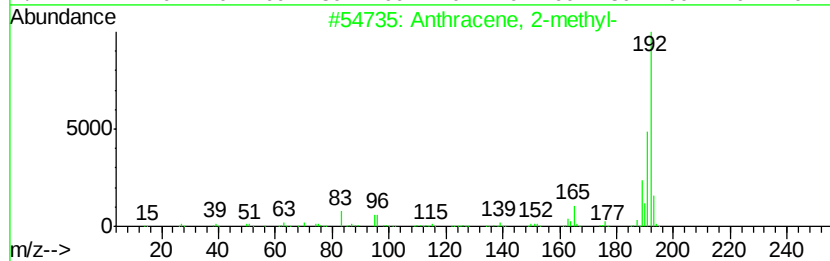
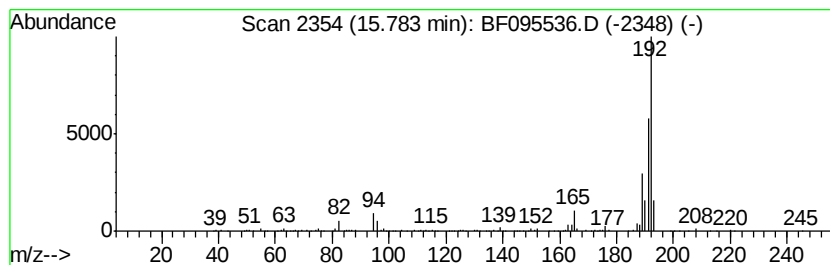
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.78	23.97 ng	959870	Phenanthrene-d10	14.99

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		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
Data File : BF095536.D
Acq On : 30 May 2017 15:35
Operator : SJ/MA
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ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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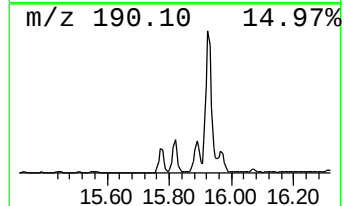
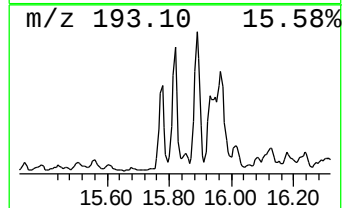
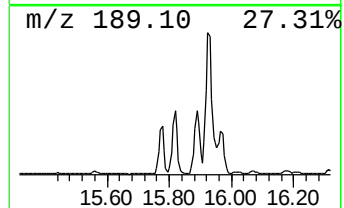
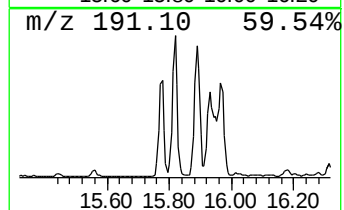
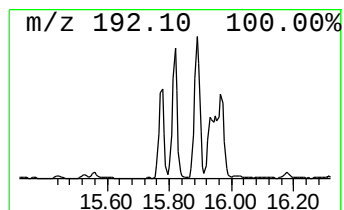
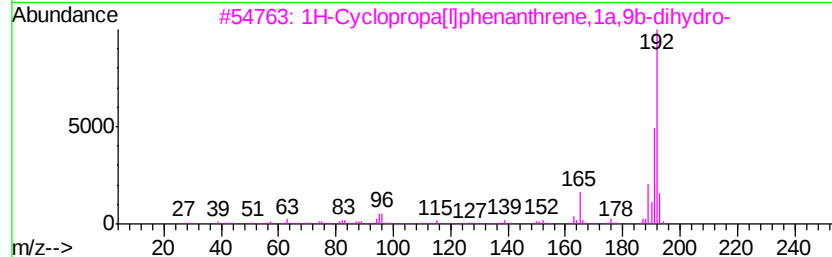
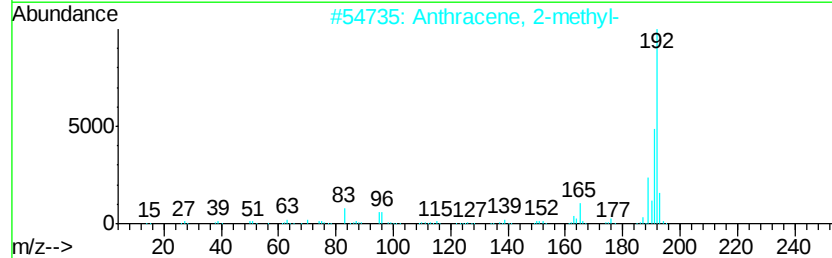
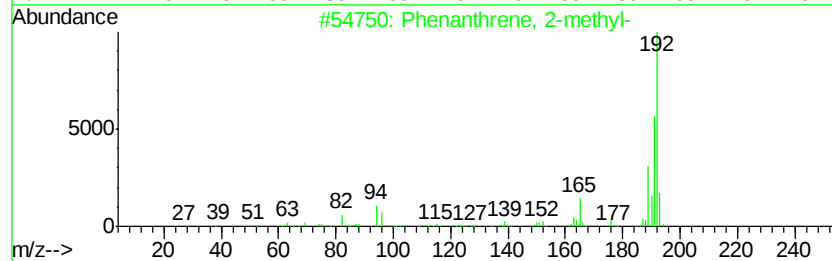
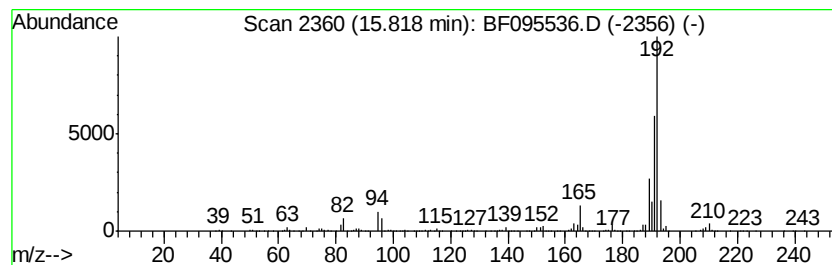
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	39.71 ng	1590640	Phenanthrene-d10	14.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
Data File : BF095536.D
Acq On : 30 May 2017 15:35
Operator : SJ/MA
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ClientSampleId :
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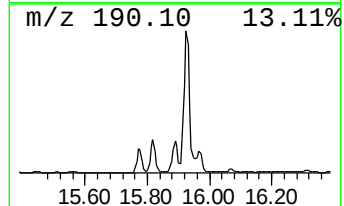
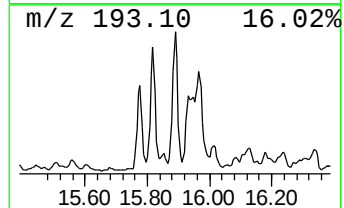
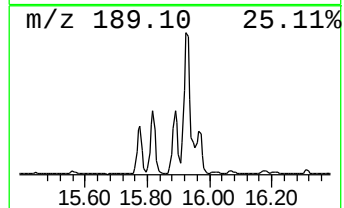
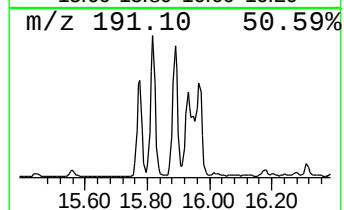
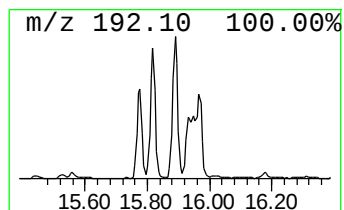
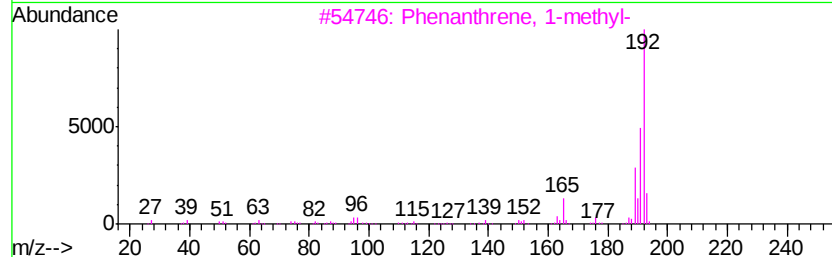
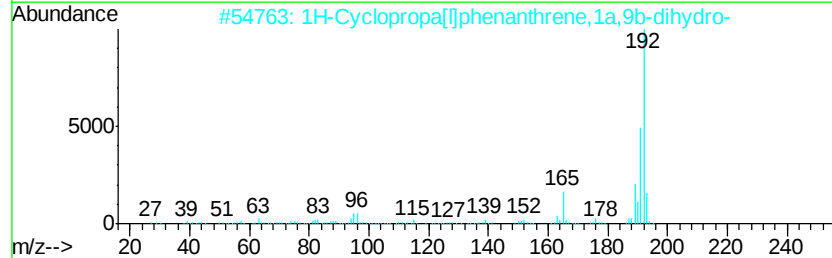
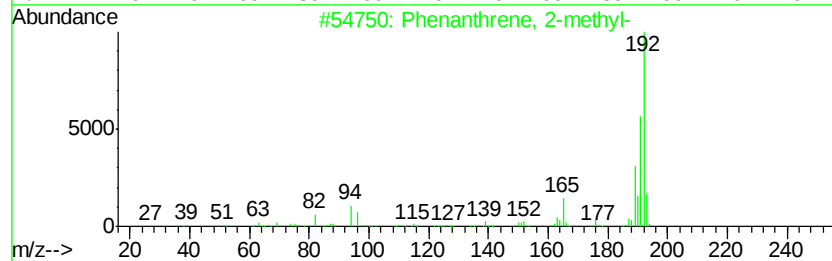
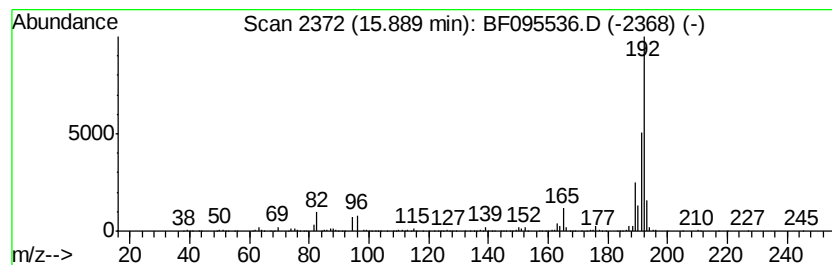
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	38.85 ng	1555850	Phenanthrene-d10	14.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
Data File : BF095536.D
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Operator : SJ/MA
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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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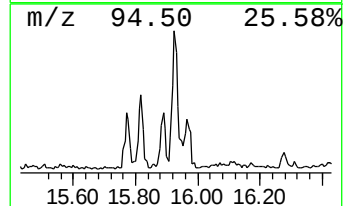
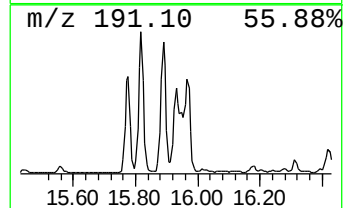
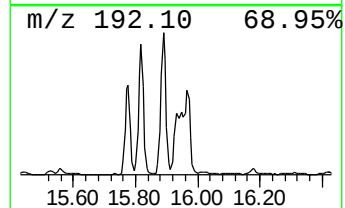
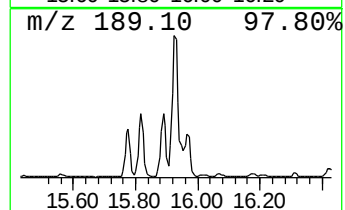
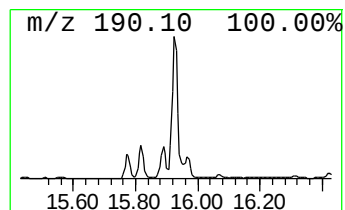
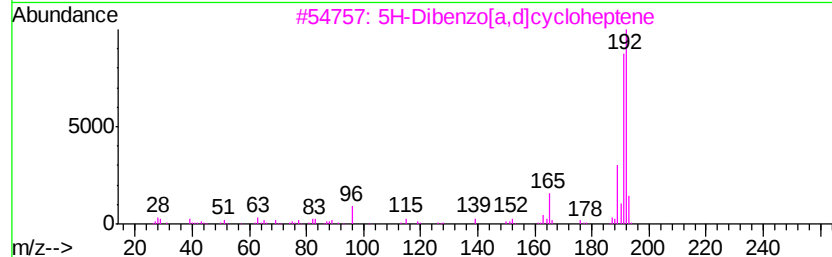
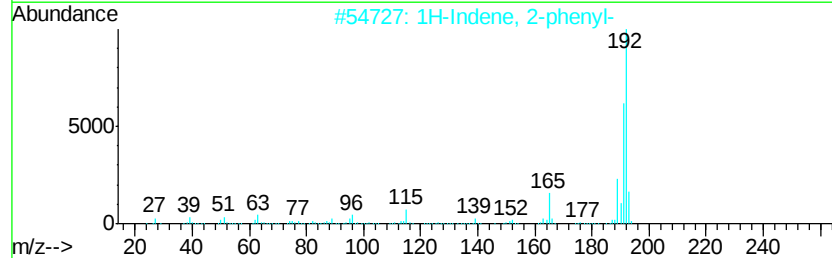
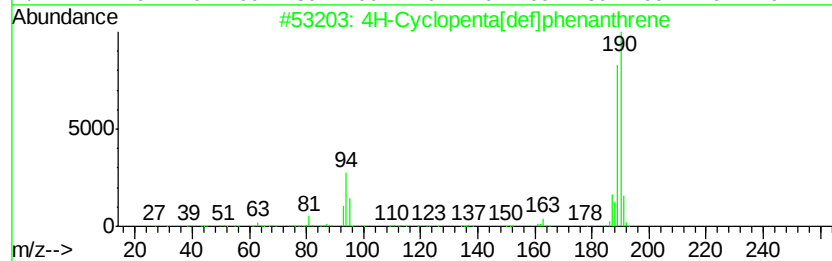
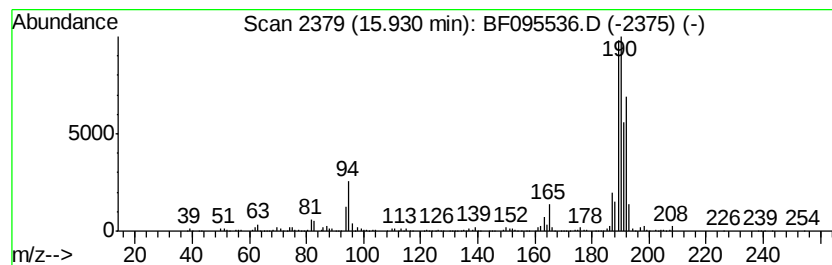
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	42.26 ng	1692440	Phenanthrene-d10	14.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
3		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25
5		1-(3-Nitro-phenyl)-pyrrolidine	192	C10H12N2O2	1000300-34-7	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
Data File : BF095536.D
Acq On : 30 May 2017 15:35
Operator : SJ/MA
Sample : I3281-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R1-TP-2-D1012

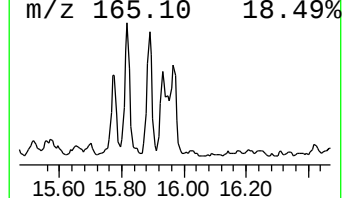
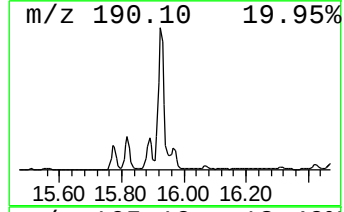
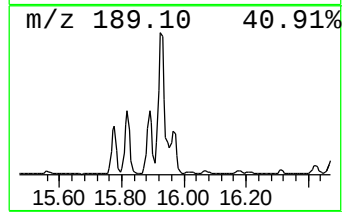
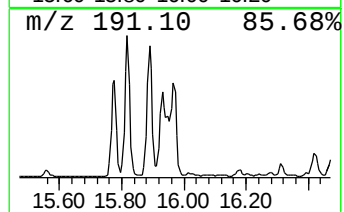
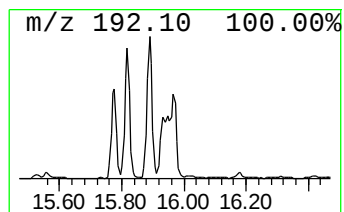
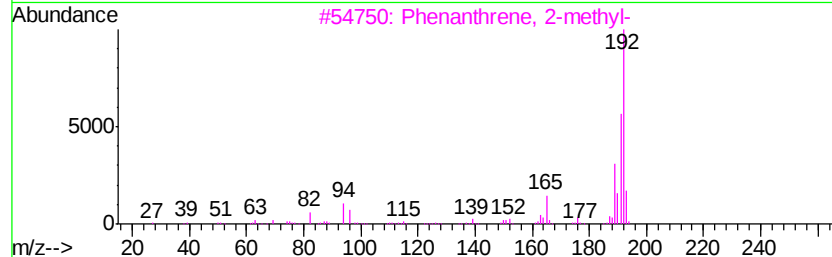
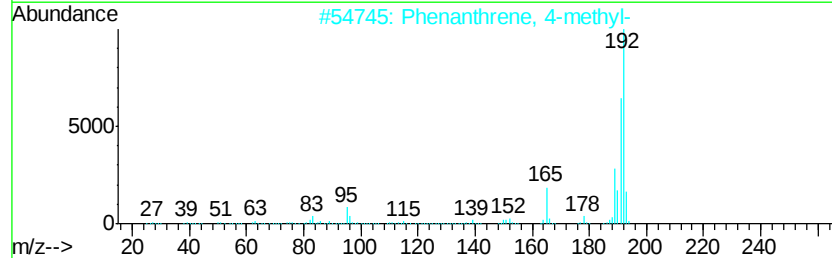
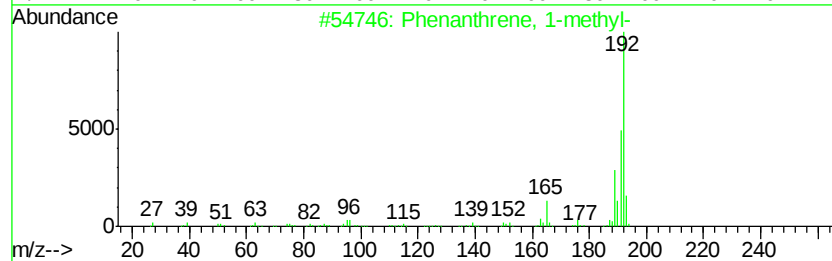
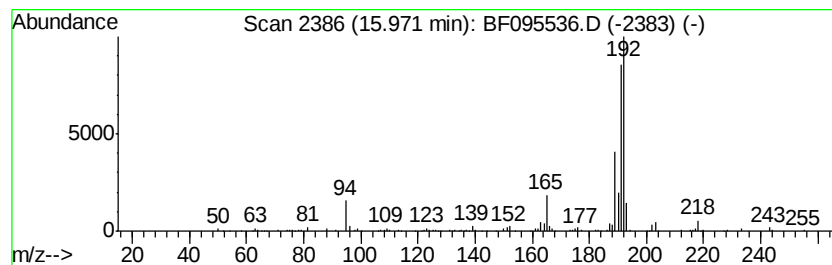
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	25.36 ng	1015570	Phenanthrene-d10	14.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
5		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
Data File : BF095536.D
Acq On : 30 May 2017 15:35
Operator : SJ/MA
Sample : I3281-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
R1-TP-2-D1012

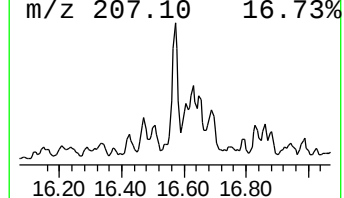
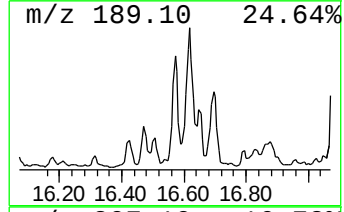
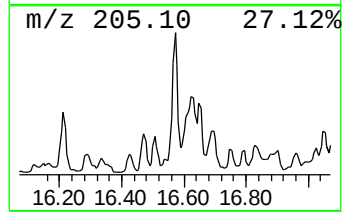
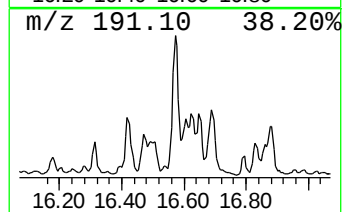
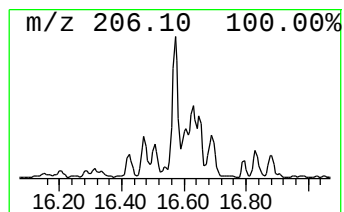
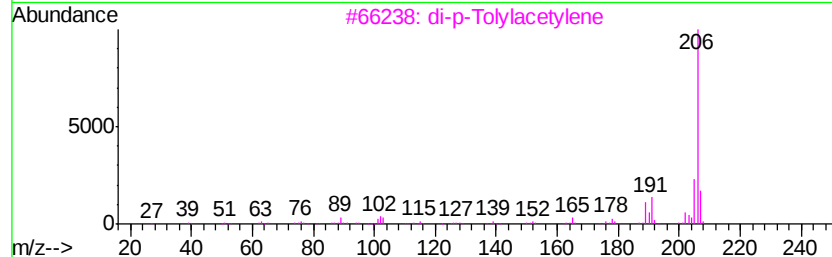
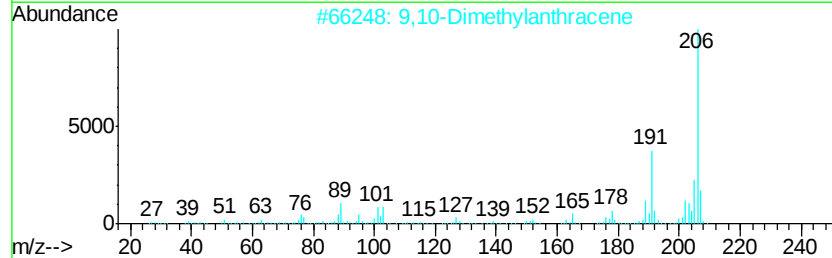
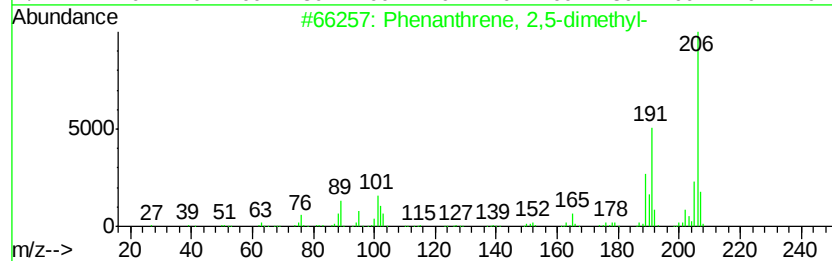
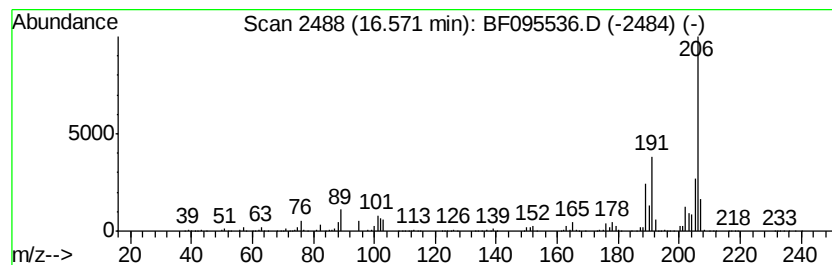
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.57	30.41 ng	1217890	Phenanthrene-d10	14.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	91
3		di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
5		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
Data File : BF095536.D
Acq On : 30 May 2017 15:35
Operator : SJ/MA
Sample : I3281-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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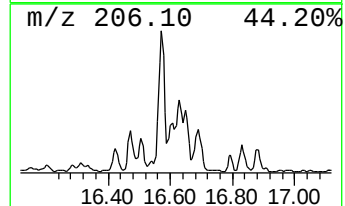
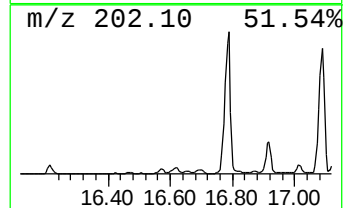
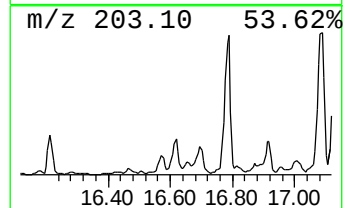
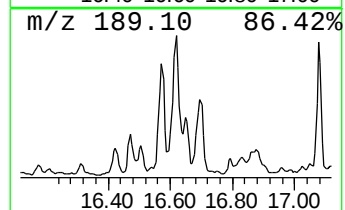
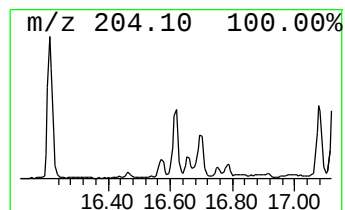
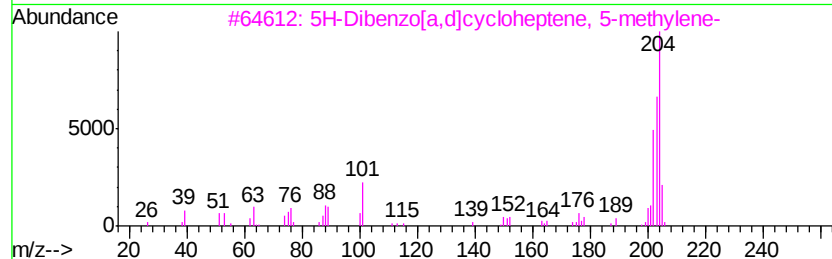
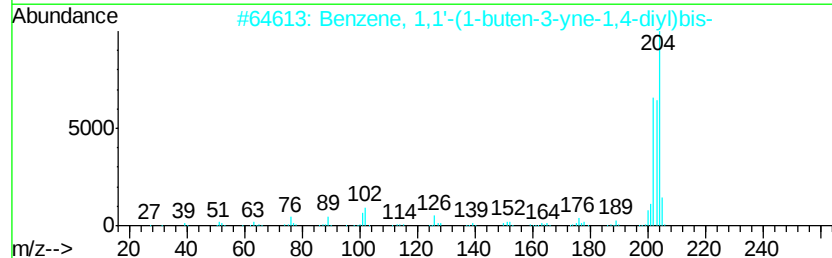
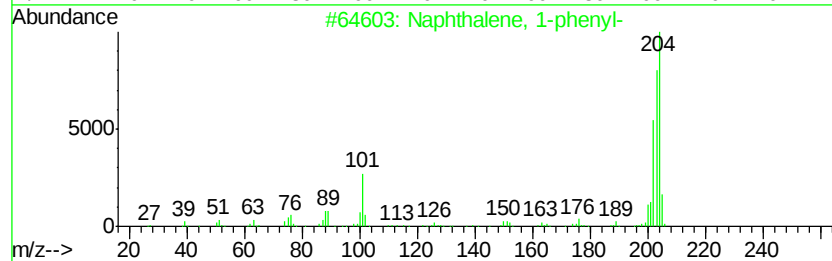
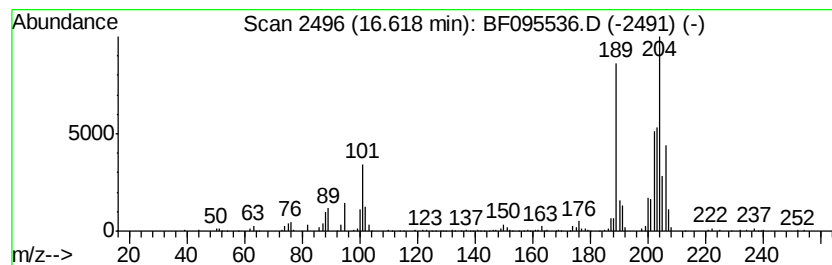
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown16.62 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.62	32.06 ng	1283980	Phenanthrene-d10	14.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	38
2		Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	38
3		5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	38
4		Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	38
5		Tetramisole	204	C11H12N2S	005036-02-2	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
Data File : BF095536.D
Acq On : 30 May 2017 15:35
Operator : SJ/MA
Sample : I3281-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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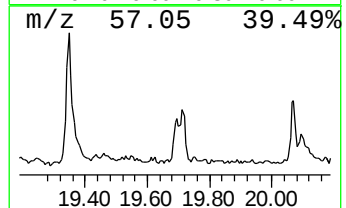
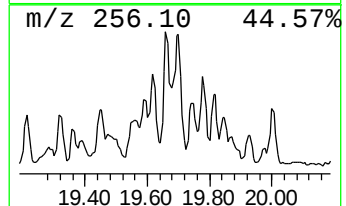
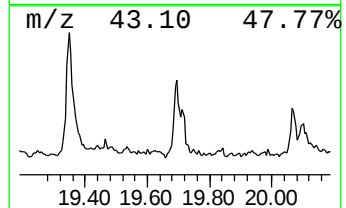
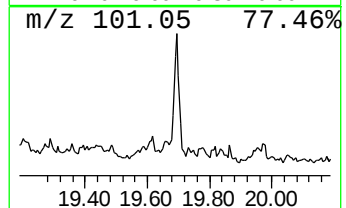
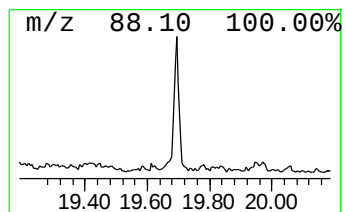
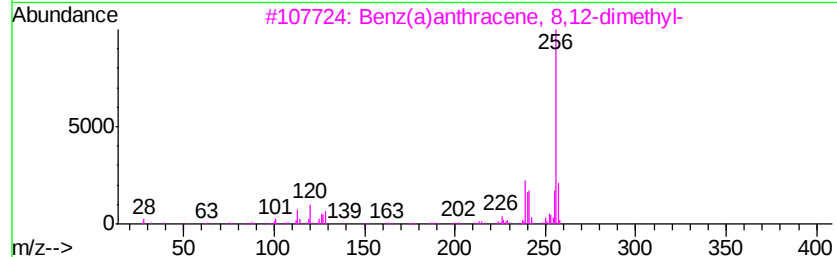
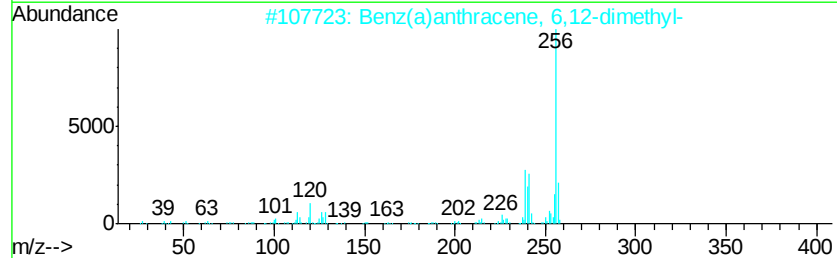
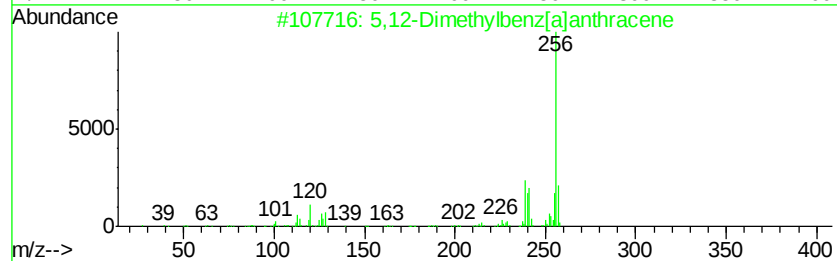
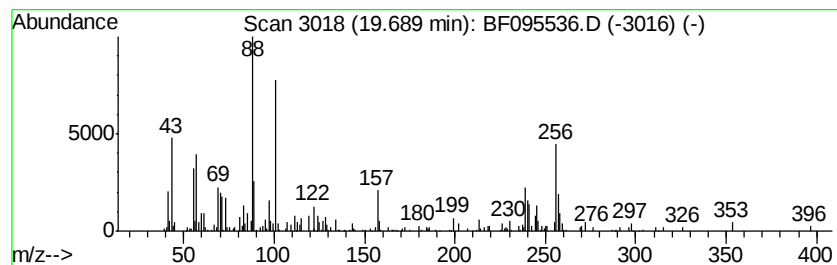
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 5,12-Dimethylbenz[a]anthracene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.69	22.89 ng	433078	Perylene-d12	20.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,12-Dimethylbenz[a]anthracene	256	C20H16	021297-22-3	64
2		Benz(a)anthracene, 6,12-dimethyl-	256	C20H16	000568-81-0	60
3		Benz(a)anthracene, 8,12-dimethyl-	256	C20H16	020627-31-0	50
4		Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	46
5		Dodecanoic acid, 2,4,6-trimethyl...	256	C16H32O2	057289-31-3	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
Data File : BF095536.D
Acq On : 30 May 2017 15:35
Operator : SJ/MA
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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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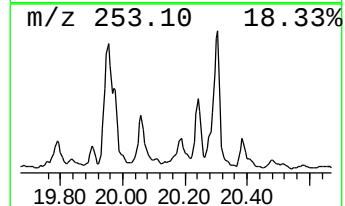
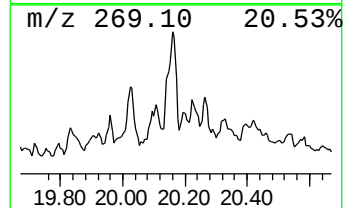
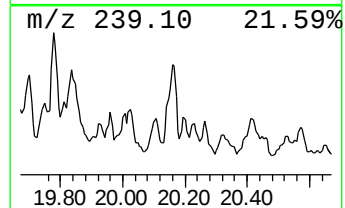
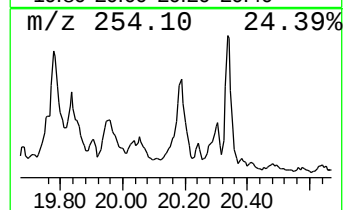
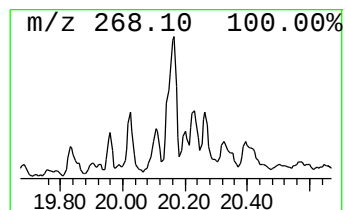
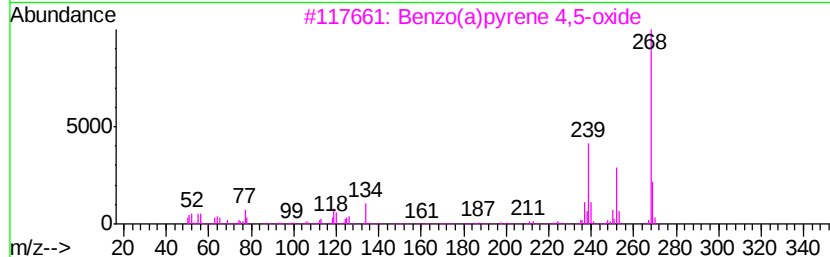
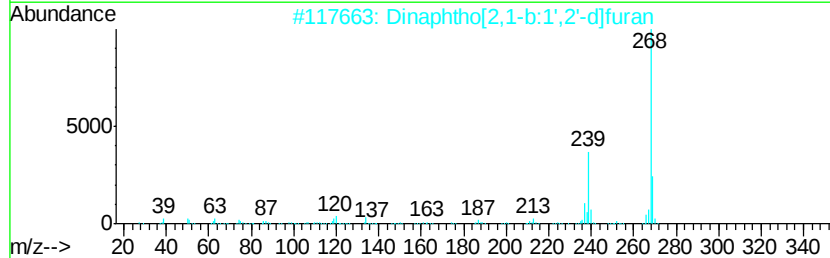
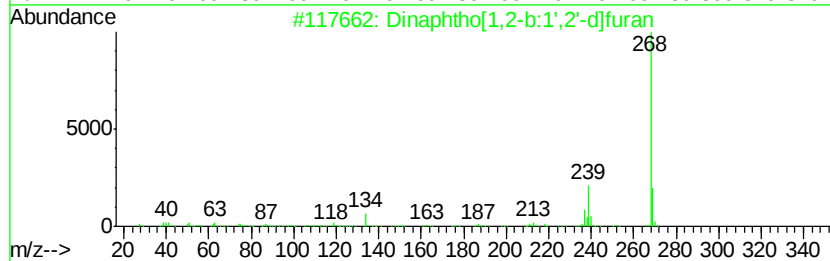
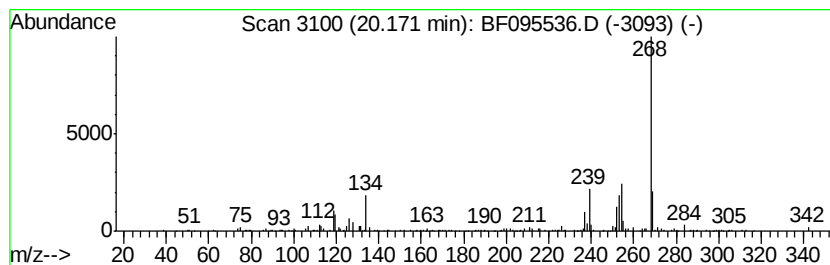
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.17	21.72 ng	410902	Perylene-d12	20.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	94
2		Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	87
3		Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	74
4		Pyrrolo[3,2-f]quinolin-9-one, 1,...	268	C17H20N2O	1000302-73-3	59
5		9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
Data File : BF095536.D
Acq On : 30 May 2017 15:35
Operator : SJ/MA
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Misc :
ALS Vial : 7 Sample Multiplier: 1

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ClientSampleId :
R1-TP-2-D1012

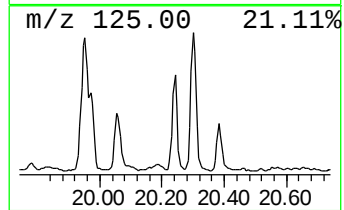
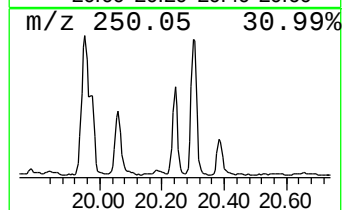
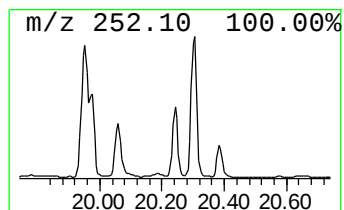
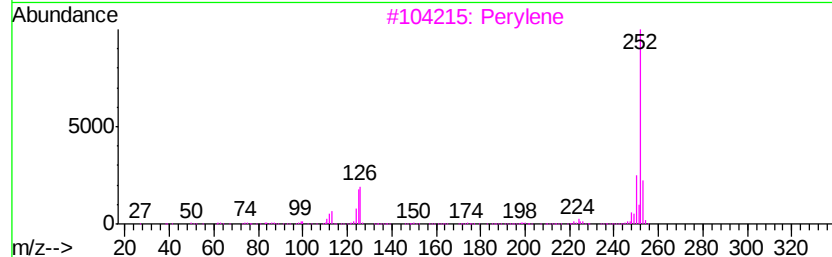
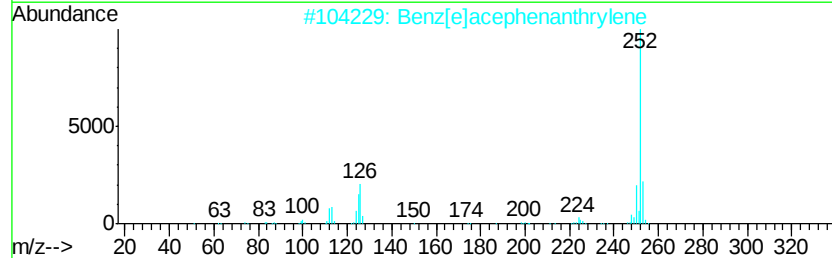
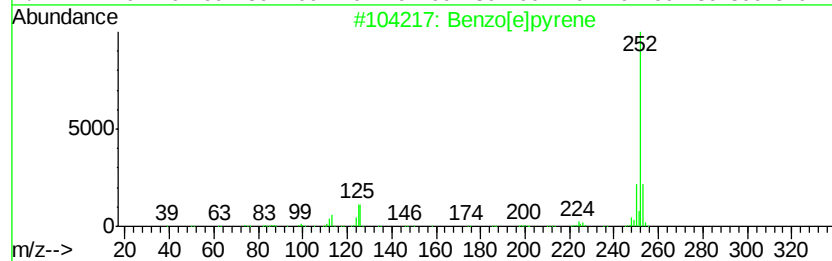
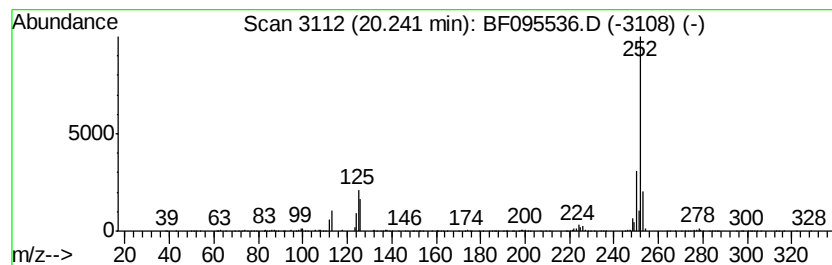
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.24	45.48 ng	860331	Perylene-d12	20.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
3		Perylene	252	C20H12	000198-55-0	91
4		Benzo[a]pyrene	252	C20H12	000050-32-8	89
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
Data File : BF095536.D
Acq On : 30 May 2017 15:35
Operator : SJ/MA
Sample : I3281-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

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ClientSampleId :
R1-TP-2-D1012

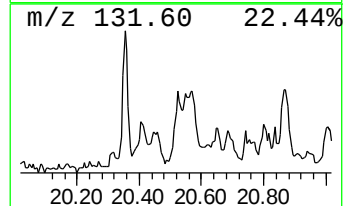
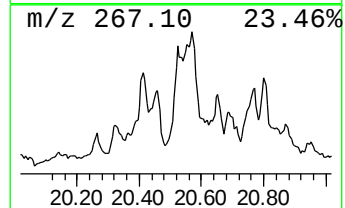
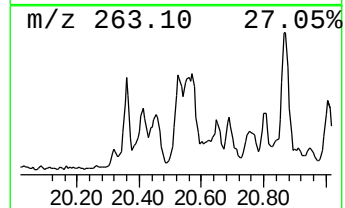
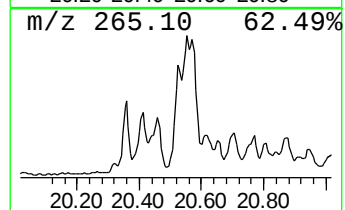
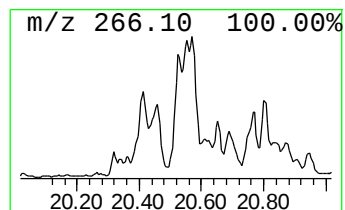
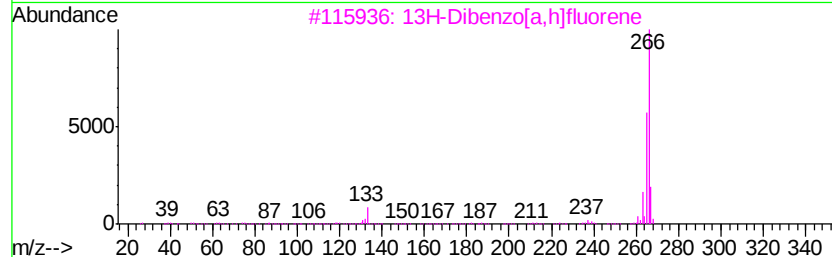
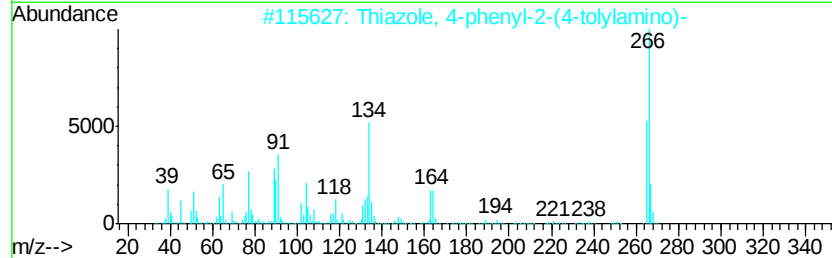
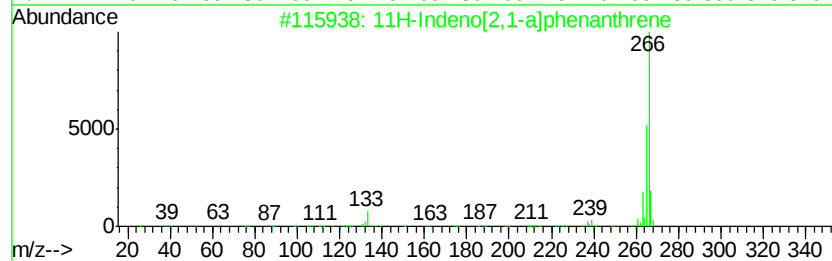
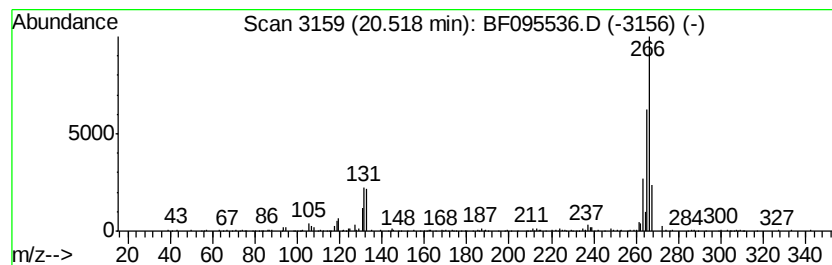
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 11H-Indeno[2,1-a]phenanthrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.52	23.92 ng	452559	Perylene-d12	20.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	95
2		Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	72
3		13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	70
4		8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	70
5		Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
Data File : BF095536.D
Acq On : 30 May 2017 15:35
Operator : SJ/MA
Sample : I3281-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R1-TP-2-D1012

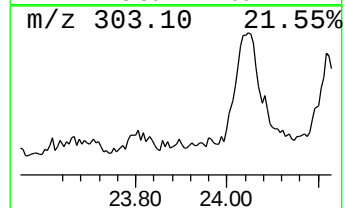
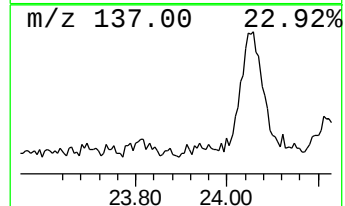
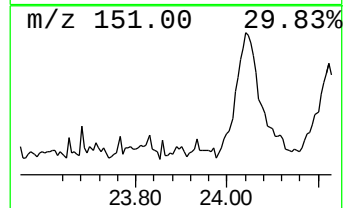
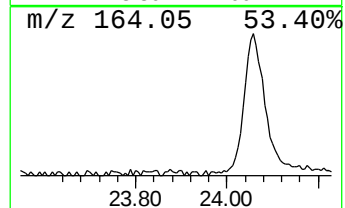
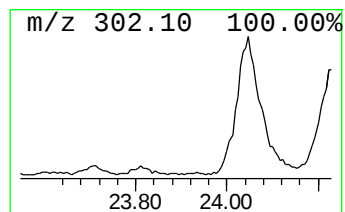
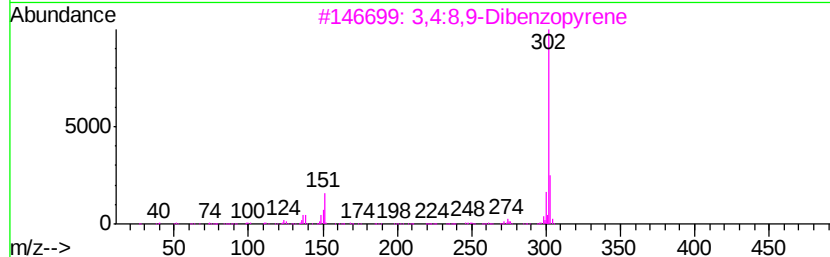
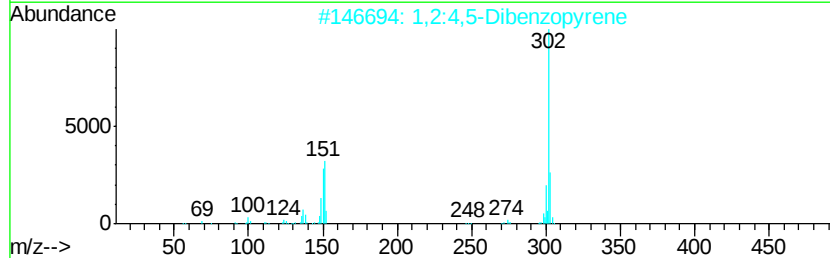
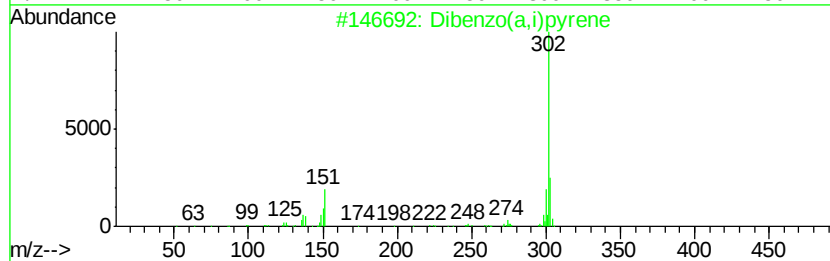
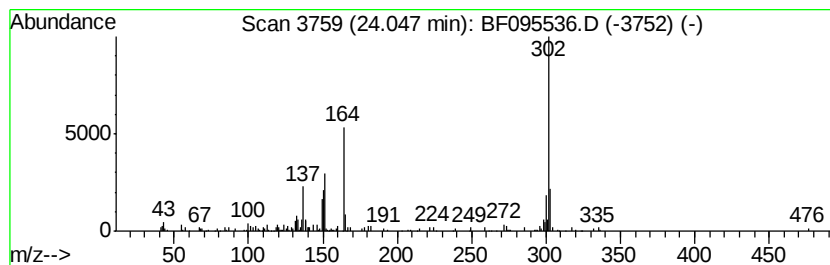
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenzo(a,i)pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.05	19.59 ng	370618	Perylene-d12	20.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	64
2		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	62
3		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	58
4		1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	53
5		10,11-Dihydro-10-hydroxy-2,3,6-t...	302	C17H18O5	019172-35-1	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
 Data File : BF095536.D
 Acq On : 30 May 2017 15:35
 Operator : SJ/MA
 Sample : I3281-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP-2-D1012

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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
unknown7.40	7.40	77.5	ng	2183350	1	7.74	563272	20.0
9H-Fluorene, 3-me...	14.38	23.6	ng	943744	4	14.99	801031	20.0
9H-Fluorene, 1-me...	14.51	16.4	ng	655807	4	14.99	801031	20.0
Naphtho[2,1-b]fur...	14.61	19.3	ng	773827	4	14.99	801031	20.0
unknown14.78	14.78	18.5	ng	742110	4	14.99	801031	20.0
Acridine	15.21	15.6	ng	623733	4	14.99	801031	20.0
Anthracene, 2-met...	15.78	24.0	ng	959870	4	14.99	801031	20.0
Phenanthrene, 2-m...	15.82	39.7	ng	1590640	4	14.99	801031	20.0
1H-Cyclopropa[l]p...	15.89	38.9	ng	1555850	4	14.99	801031	20.0
4H-Cyclopenta[def...	15.93	42.3	ng	1692440	4	14.99	801031	20.0
Phenanthrene, 1-m...	15.97	25.4	ng	1015570	4	14.99	801031	20.0
Phenanthrene, 2,5...	16.57	30.4	ng	1217890	4	14.99	801031	20.0
unknown16.62	16.62	32.1	ng	1283980	4	14.99	801031	20.0
5,12-Dimethylbenz...	19.69	22.9	ng	433078	6	20.36	378347	20.0
Dinaphtho[1,2-b:1...	20.17	21.7	ng	410902	6	20.36	378347	20.0
Benzo[e]pyrene	20.24	45.5	ng	860331	6	20.36	378347	20.0
11H-Indeno[2,1-a]...	20.52	23.9	ng	452559	6	20.36	378347	20.0
Dibenzo(a,i)pyrene	24.05	19.6	ng	370618	6	20.36	378347	20.0