

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
 Data File : BF095535.D
 Acq On : 30 May 2017 15:03
 Operator : SJ/MA
 Sample : I3281-11
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP5-D34

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	5.084	530	535	554	rBV2	100241	305703	14.36%	0.828%
2	5.707	637	641	668	rBV	523297	1570557	73.77%	4.253%
3	7.283	906	909	925	rBV	567974	1511229	70.99%	4.092%
4	7.401	925	929	949	rVB	1078587	2063795	96.94%	5.588%
5	7.736	982	986	996	rBV	418254	525659	24.69%	1.423%
6	7.972	1021	1026	1046	rBV	1175523	1523362	71.56%	4.125%
7	8.642	1136	1140	1157	rBV	473409	1056747	49.64%	2.861%
8	9.760	1326	1330	1342	rBV	370558	763901	35.88%	2.068%
9	10.936	1525	1530	1538	rBV	60837	103729	4.87%	0.281%
10	11.083	1549	1555	1572	rVB	65256	123495	5.80%	0.334%
11	11.524	1625	1630	1650	rBV	1388042	2128864	100.00%	5.764%
12	11.960	1697	1704	1709	rBV3	59754	133649	6.28%	0.362%
13	12.065	1717	1722	1726	rBV	129503	211449	9.93%	0.573%
14	12.107	1726	1729	1738	rVB	89859	139372	6.55%	0.377%
15	12.224	1745	1749	1754	rBV	291772	476230	22.37%	1.289%
16	12.371	1768	1774	1781	rBV2	88565	155010	7.28%	0.420%
17	12.589	1806	1811	1817	rBV2	596424	888585	41.74%	2.406%
18	12.642	1817	1820	1828	rVB	79114	116568	5.48%	0.316%
19	12.801	1841	1847	1853	rBV2	37549	78211	3.67%	0.212%
20	12.954	1864	1873	1879	rBV3	99013	227842	10.70%	0.617%
21	13.018	1880	1884	1889	rVB	84658	116590	5.48%	0.316%
22	13.130	1898	1903	1909	rBV	87112	136692	6.42%	0.370%
23	13.183	1909	1912	1920	rVB	97031	125948	5.92%	0.341%
24	13.283	1920	1929	1931	rBV	86271	145489	6.83%	0.394%
25	13.307	1931	1933	1936	rVV	67186	74997	3.52%	0.203%
26	13.418	1948	1952	1957	rBV3	92339	141395	6.64%	0.383%
27	13.489	1959	1964	1973	rVB2	191912	289079	13.58%	0.783%
28	13.624	1984	1987	1991	rVV2	52017	74208	3.49%	0.201%
29	13.759	2005	2010	2020	rBV3	138692	236304	11.10%	0.640%
30	13.889	2026	2032	2041	rBV	704549	1242487	58.36%	3.364%
31	13.959	2041	2044	2051	rVB2	72527	106204	4.99%	0.288%
32	14.189	2080	2083	2085	rBV	66331	77531	3.64%	0.210%
33	14.224	2085	2089	2093	rVV2	86771	138395	6.50%	0.375%
34	14.389	2110	2117	2122	rBV3	67424	141767	6.66%	0.384%

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35	14.489	2129	2134	2137	rBV3	37280	71225	3.35%	0.193%
36	14.606	2149	2154	2158	rBV3	153090	235246	11.05%	0.637%
37	14.724	2169	2174	2180	rBV	121539	181433	8.52%	0.491%
38	14.783	2180	2184	2189	rVV	124066	188575	8.86%	0.511%
39	14.830	2189	2192	2195	rVB	71039	82271	3.86%	0.223%
40	14.989	2213	2219	2222	rBV	552699	692376	32.52%	1.875%
41	15.030	2222	2226	2235	rVB	1218463	1576368	74.05%	4.268%
42	15.118	2236	2241	2250	rVB	362345	536443	25.20%	1.453%
43	15.206	2250	2256	2260	rBV4	84784	141338	6.64%	0.383%
44	15.318	2271	2275	2281	rVB3	43522	73171	3.44%	0.198%
45	15.424	2289	2293	2296	rBV3	70020	127697	6.00%	0.346%
46	15.583	2318	2320	2326	rVB2	91899	115741	5.44%	0.313%
47	15.648	2326	2331	2336	rBV4	65032	108718	5.11%	0.294%
48	15.730	2342	2345	2348	rBV	63773	83207	3.91%	0.225%
49	15.771	2348	2352	2356	rVV	329872	371798	17.46%	1.007%
50	15.812	2356	2359	2365	rVB	443591	501598	23.56%	1.358%
51	15.889	2368	2372	2375	rBV	236862	282427	13.27%	0.765%
52	15.924	2375	2378	2381	rVV2	304134	422766	19.86%	1.145%
53	15.965	2381	2385	2391	rVB	297904	492012	23.11%	1.332%
54	16.177	2418	2421	2424	rVV3	81365	95899	4.50%	0.260%
55	16.212	2424	2427	2436	rVB	172278	257200	12.08%	0.696%
56	16.283	2436	2439	2442	rBV3	71694	90644	4.26%	0.245%
57	16.424	2458	2463	2466	rBV2	89662	126997	5.97%	0.344%
58	16.465	2466	2470	2473	rBV2	84011	105770	4.97%	0.286%
59	16.565	2483	2487	2491	rBV	274192	377258	17.72%	1.021%
60	16.612	2491	2495	2499	rVV2	95487	174106	8.18%	0.471%
61	16.648	2499	2501	2504	rVB	86582	75013	3.52%	0.203%
62	16.695	2504	2509	2511	rBV4	161534	250235	11.75%	0.678%
63	16.718	2511	2513	2519	rVB2	86846	100787	4.73%	0.273%
64	16.777	2519	2523	2527	rBV	1083889	1288402	60.52%	3.489%
65	16.871	2535	2539	2542	rBV2	104437	154073	7.24%	0.417%
66	16.912	2543	2546	2551	rVB	77788	107958	5.07%	0.292%
67	17.077	2570	2574	2582	rVB	1051847	1280328	60.14%	3.467%
68	17.265	2602	2606	2609	rBV	140118	168428	7.91%	0.456%
69	17.312	2609	2614	2621	rVB	1213543	1444407	67.85%	3.911%
70	17.400	2621	2629	2632	rBV2	134625	258488	12.14%	0.700%
71	17.506	2639	2647	2650	rBV3	120208	246048	11.56%	0.666%

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72	17.542	2650	2653	2657	rVB3	143880	194016	9.11%	0.525%
73	17.624	2659	2667	2672	rBV4	73597	172842	8.12%	0.468%
74	17.677	2672	2676	2681	rBV3	274089	455645	21.40%	1.234%
75	17.789	2692	2695	2699	rVB2	125583	144461	6.79%	0.391%
76	17.830	2699	2702	2707	rBV2	81695	131820	6.19%	0.357%
77	17.971	2724	2726	2733	rVB4	50910	72957	3.43%	0.198%
78	18.059	2733	2741	2743	rBV8	43829	96701	4.54%	0.262%
79	18.230	2766	2770	2777	rVB	224865	313294	14.72%	0.848%
80	18.371	2791	2794	2798	rVB	157603	172947	8.12%	0.468%
81	18.412	2798	2801	2805	rBV2	73638	116777	5.49%	0.316%
82	18.506	2813	2817	2821	rBV2	115995	146002	6.86%	0.395%
83	18.553	2822	2825	2830	rVB3	52076	81030	3.81%	0.219%
84	18.659	2838	2843	2848	rBV2	679299	1165598	54.75%	3.156%
85	18.700	2848	2850	2859	rVV2	402774	543143	25.51%	1.471%
86	18.900	2880	2884	2890	rBV6	49401	97437	4.58%	0.264%
87	18.953	2890	2893	2897	rVB3	104690	119788	5.63%	0.324%
88	19.124	2918	2922	2925	rBV3	55546	77520	3.64%	0.210%
89	19.171	2927	2930	2934	rVV	196811	214616	10.08%	0.581%
90	19.212	2934	2937	2941	rVB	96059	110723	5.20%	0.300%
91	19.336	2953	2958	2960	rBV3	86285	129054	6.06%	0.349%
92	19.783	3030	3034	3038	rBV2	70756	118981	5.59%	0.322%
93	19.941	3057	3061	3064	rBV	360248	499669	23.47%	1.353%
94	20.053	3076	3080	3085	rBV	102216	138456	6.50%	0.375%
95	20.230	3106	3110	3114	rBV	208992	267853	12.58%	0.725%
96	20.294	3117	3121	3126	rBV	327592	377938	17.75%	1.023%
97	20.347	3126	3130	3134	rBV	441179	537270	25.24%	1.455%
98	21.688	3352	3358	3365	rVB2	96338	189918	8.92%	0.514%
99	21.835	3379	3383	3386	rVB2	45894	71352	3.35%	0.193%
100	22.077	3419	3424	3430	rBV2	64863	136767	6.42%	0.370%

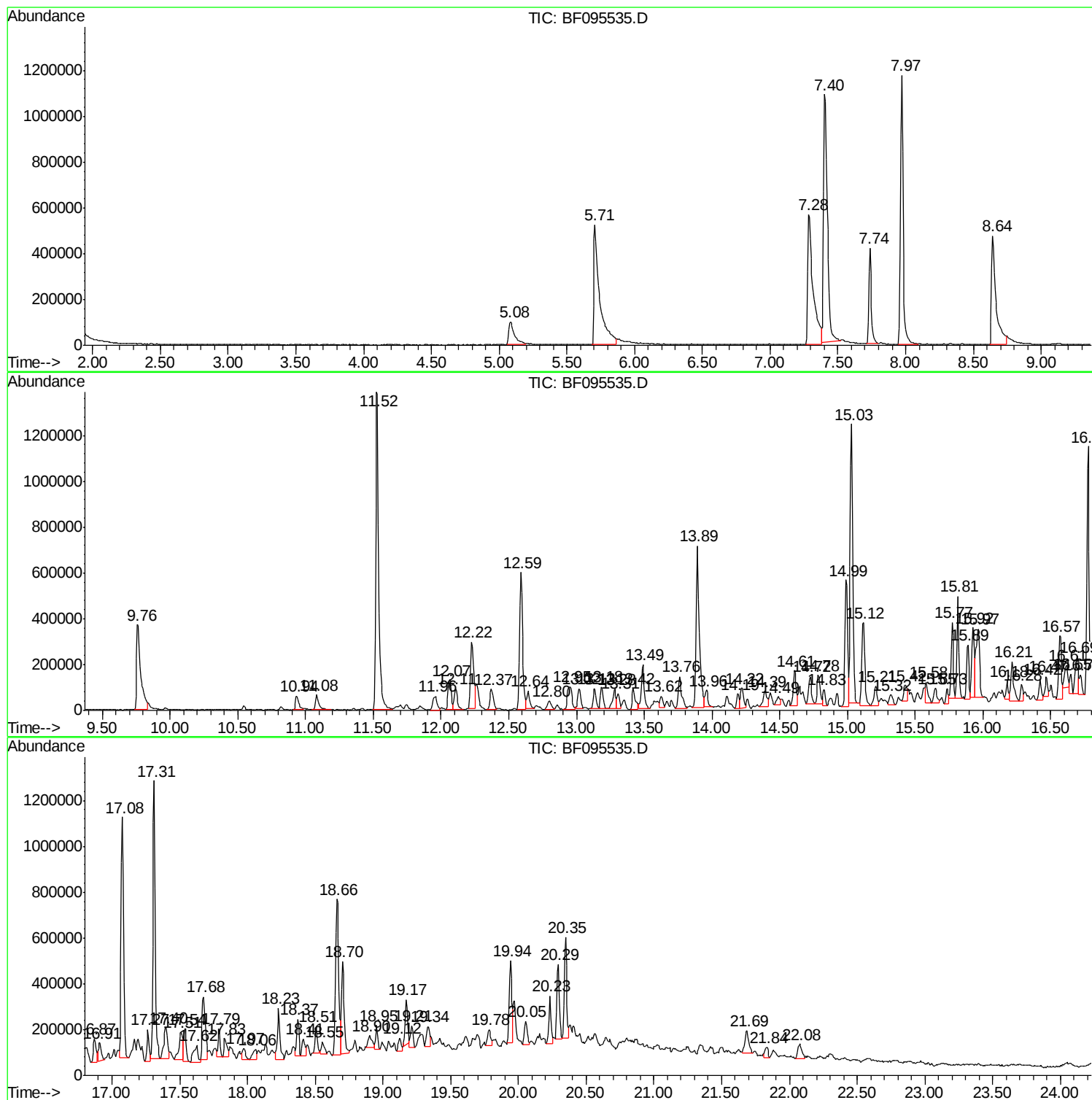
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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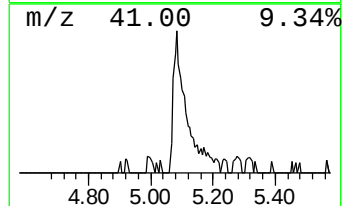
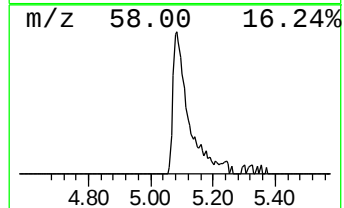
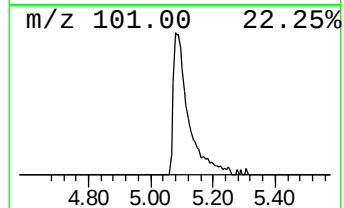
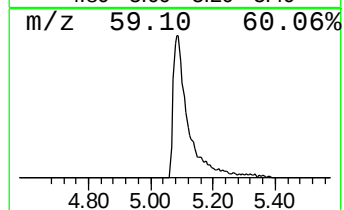
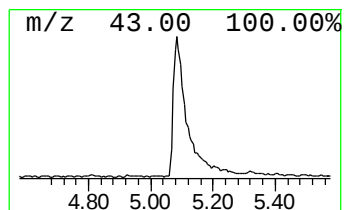
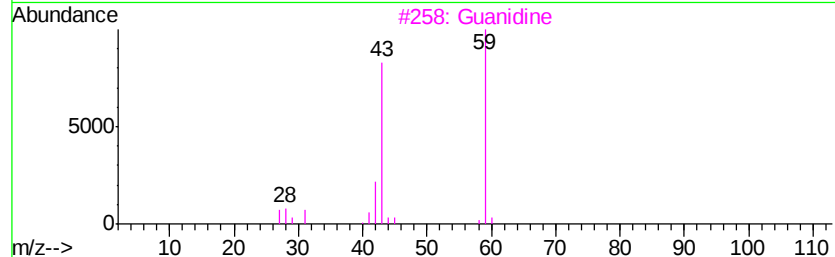
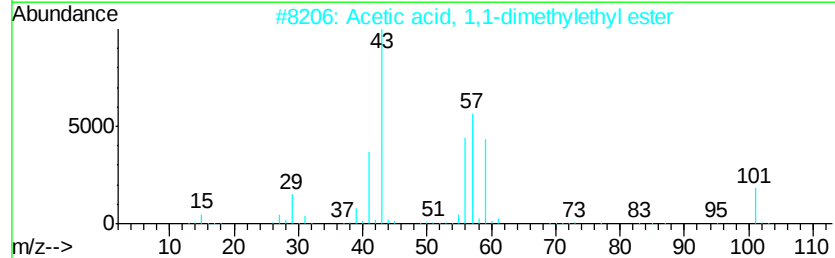
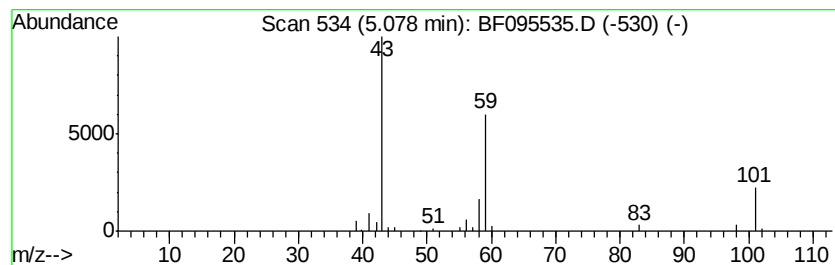
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	11.63 ng	305703	1,4-Dichlorobenzene-d4	7.74

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56	
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	50	
3	Guanidine	59	CH5N3	000113-00-8	9	
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9	
5	(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9	



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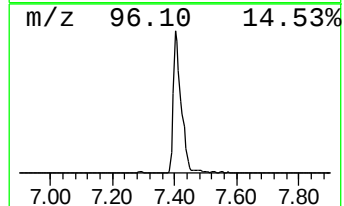
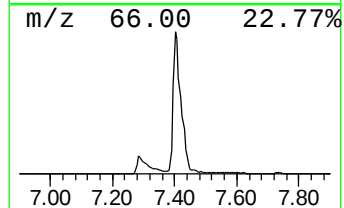
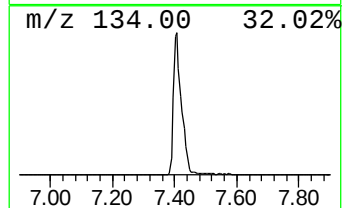
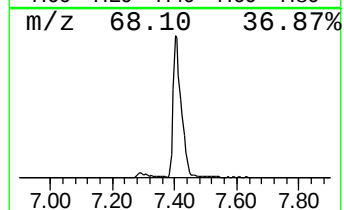
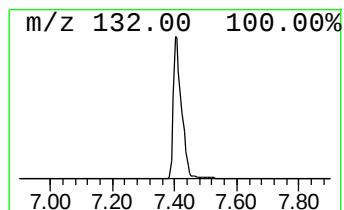
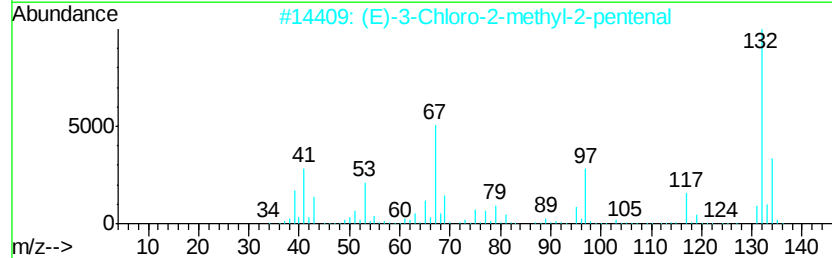
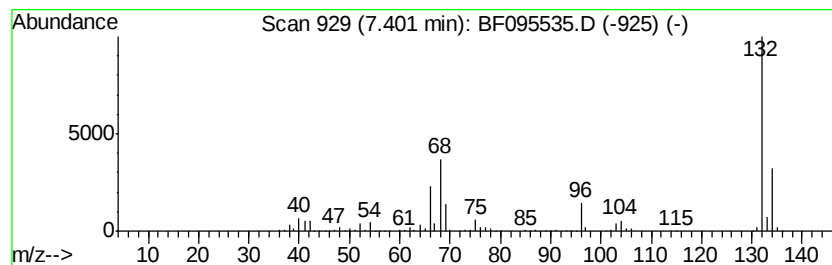
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown7.40 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	78.52 ng	2063800	1,4-Dichlorobenzene-d4	7.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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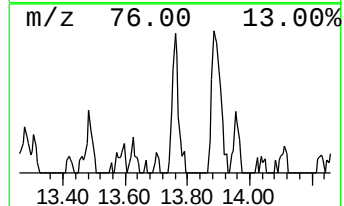
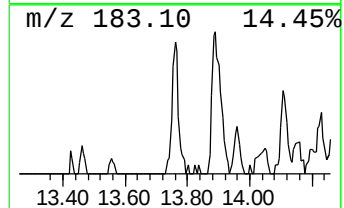
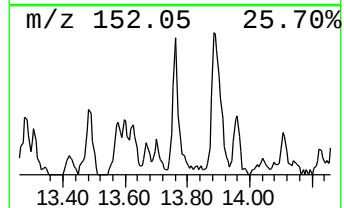
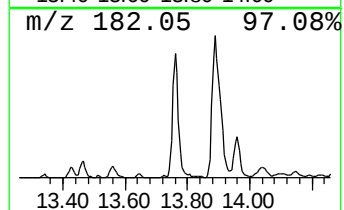
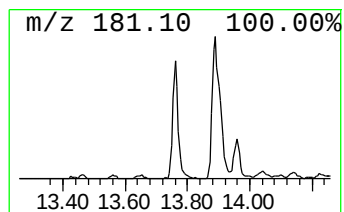
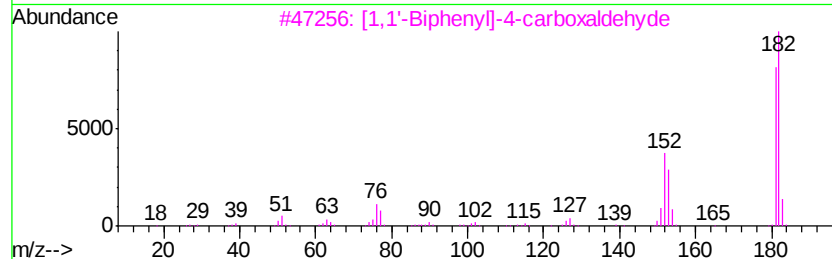
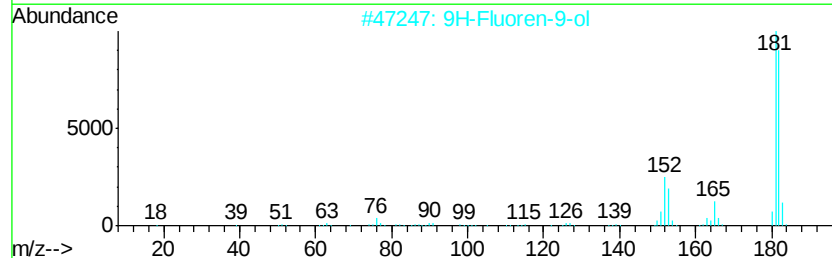
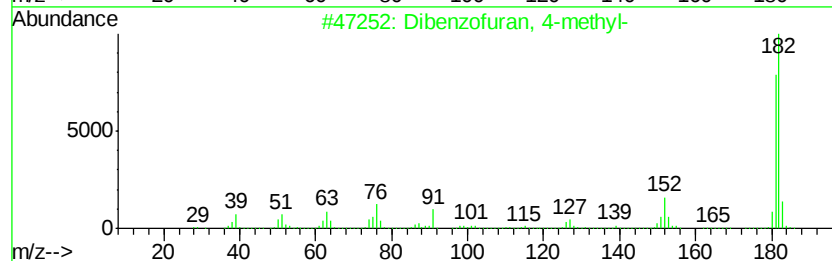
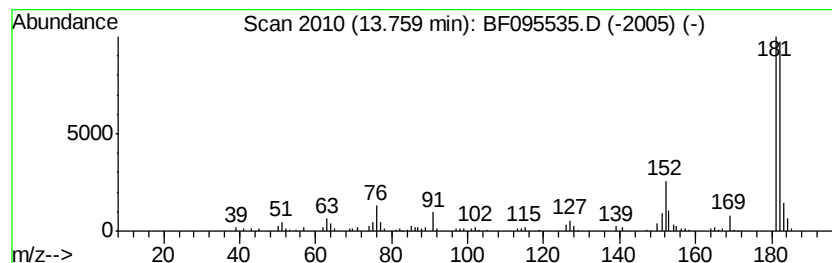
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Dibenzofuran, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.76	5.32 ng	236304	Acenaphthene-d10	12.59	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	81
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
5	3-(1-Naphthyl)acrylaldehyde	182	C13H10O	001504-73-0	72



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Sample : I3281-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R1-TP5-D34

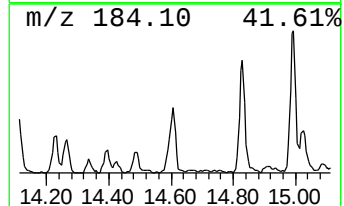
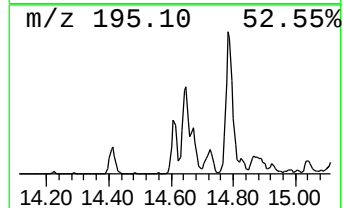
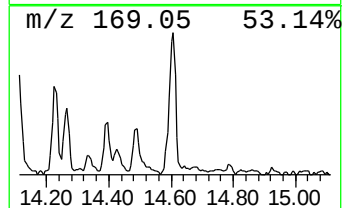
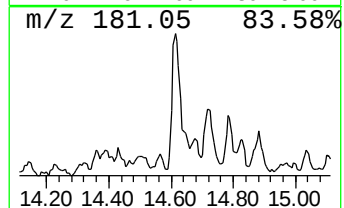
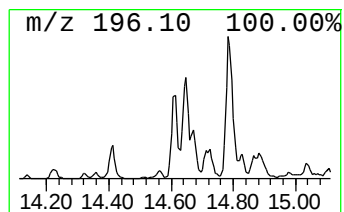
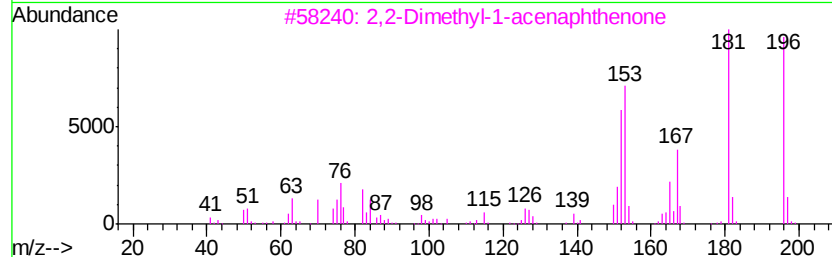
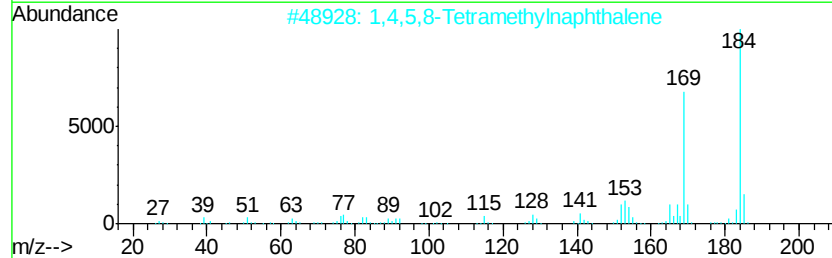
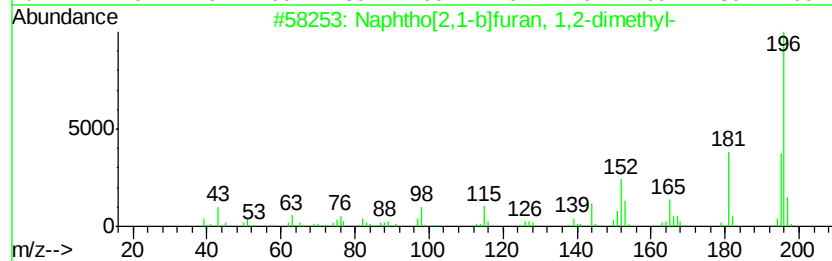
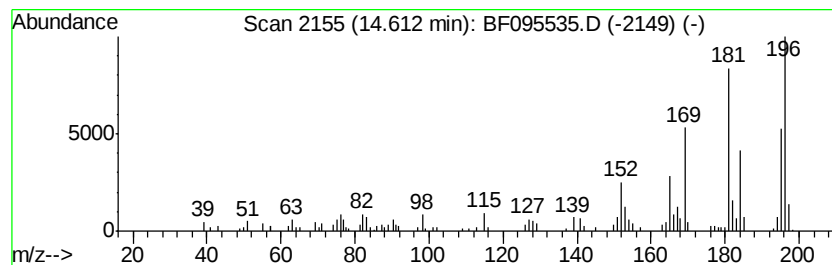
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphtho[2,1-b]furan, 1,2-di... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	6.80 ng	235246	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	87
2		1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	74
3		2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	43
4		Chamazulene	184	C14H16	000529-05-5	38
5		Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
Data File : BF095535.D
Acq On : 30 May 2017 15:03
Operator : SJ/MA
Sample : I3281-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

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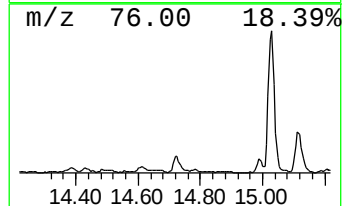
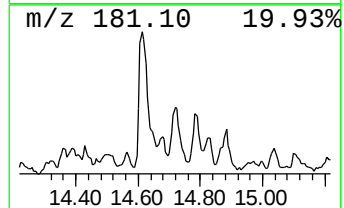
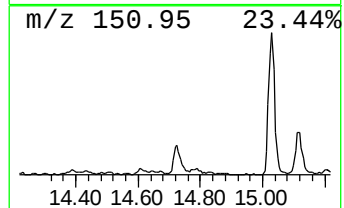
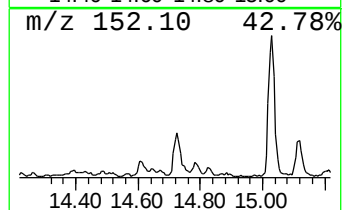
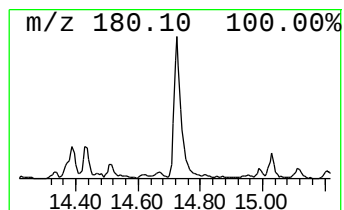
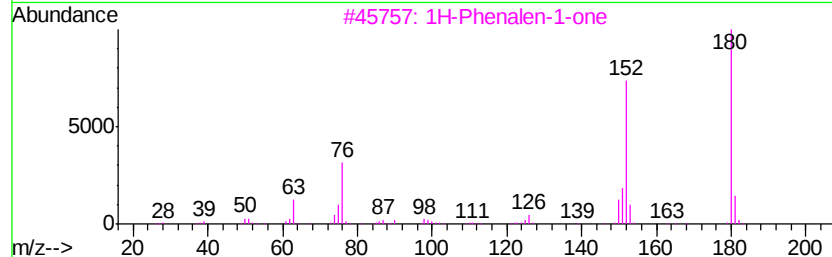
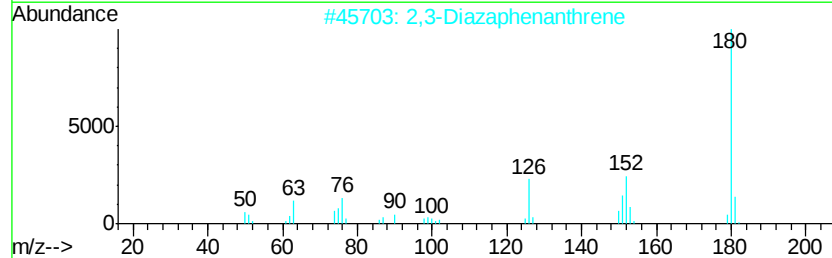
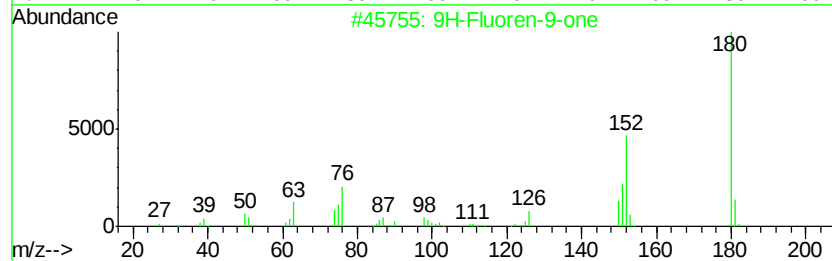
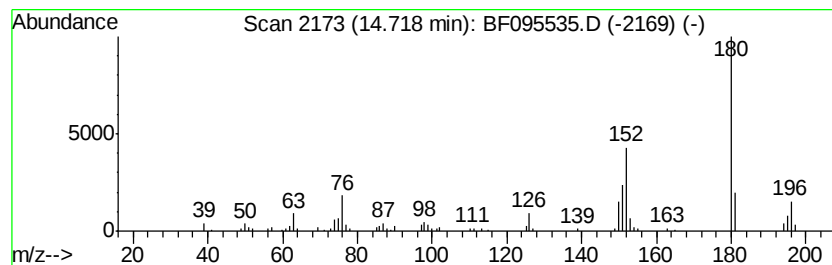
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 9H-Fluoren-9-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	5.24 ng	181433	Phenanthrene-d10	14.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2		2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	64
3		1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4		4-Acetyl-1-naphthonitrile	195	C13H9NO	029139-00-2	59
5		1,1'-Biphenyl, 4-ethenyl-	180	C14H12	002350-89-2	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
Data File : BF095535.D
Acq On : 30 May 2017 15:03
Operator : SJ/MA
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Misc :
ALS Vial : 6 Sample Multiplier: 1

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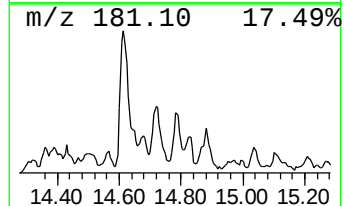
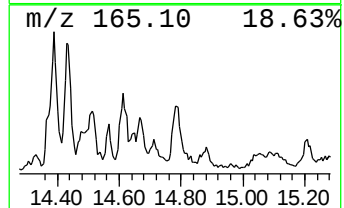
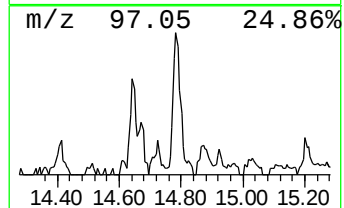
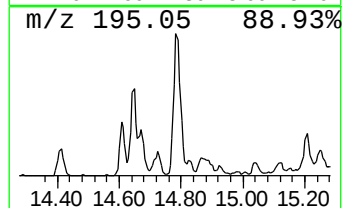
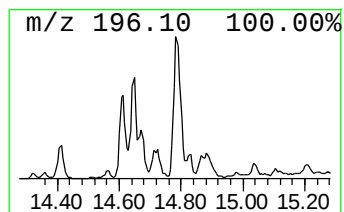
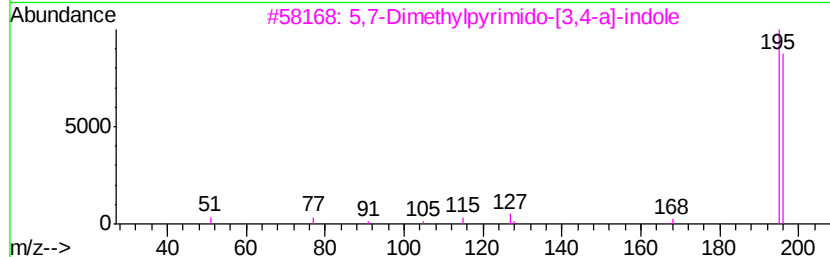
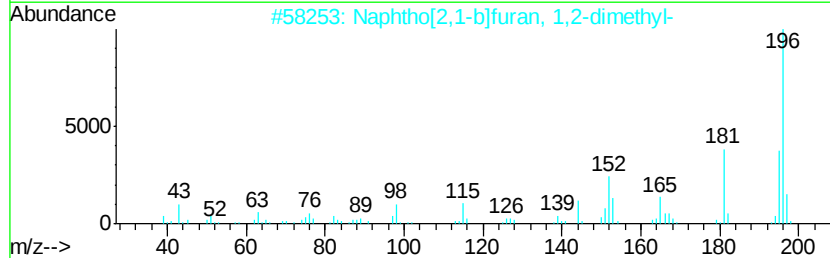
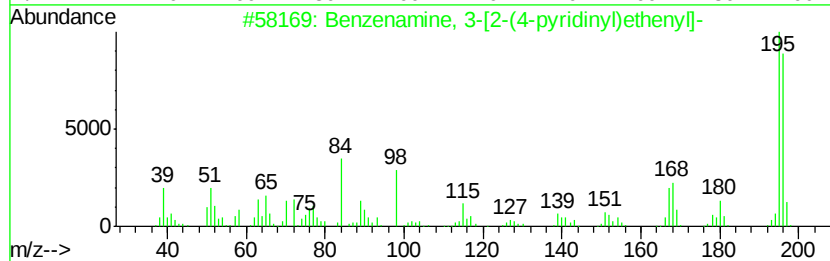
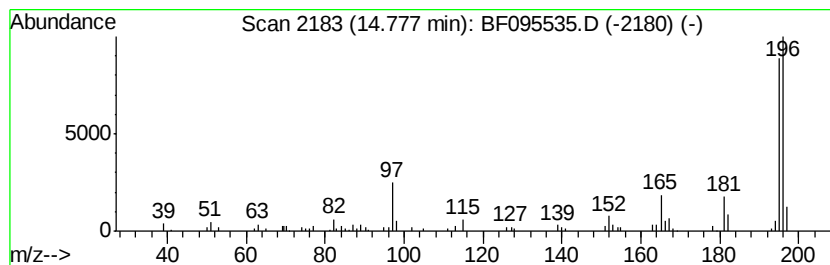
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzenamine, 3-[2-(4-pyridi... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.78	5.45 ng	188575	Phenanthrene-d10	14.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzenamine, 3-[2-(4-pyridinyl)e...	196	C13H12N2	1000337-31-3	59
2		Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	53
3		5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	50
4		Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	47
5		Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
Data File : BF095535.D
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ALS Vial : 6 Sample Multiplier: 1

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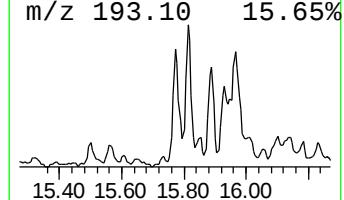
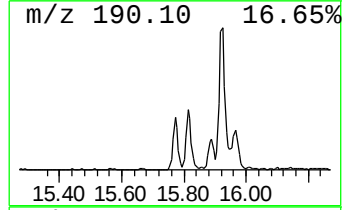
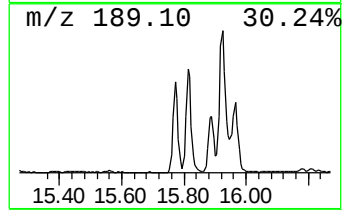
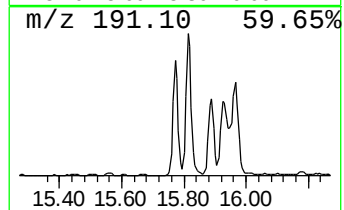
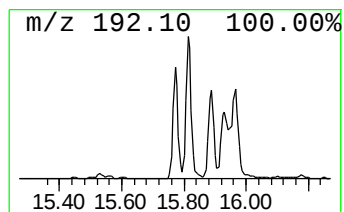
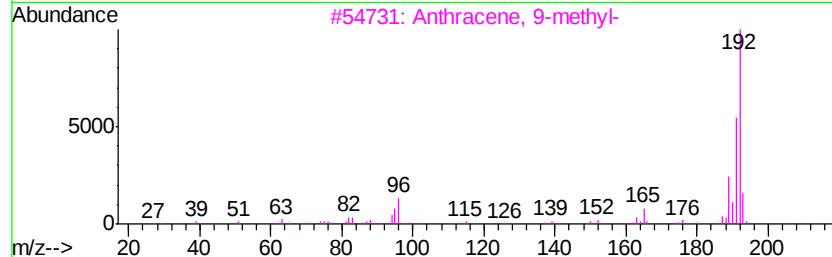
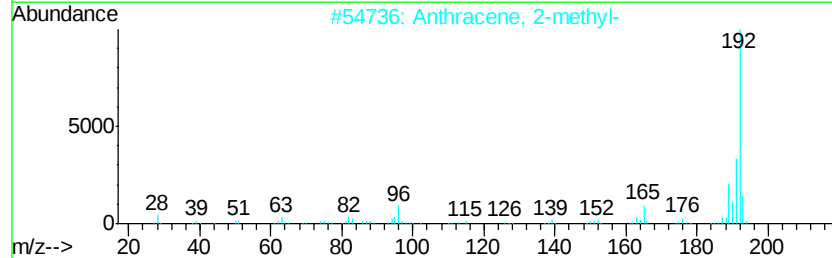
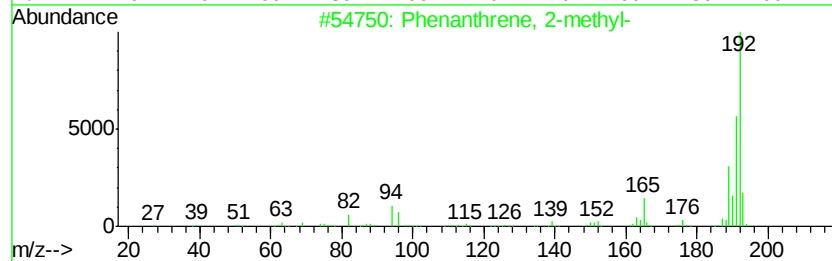
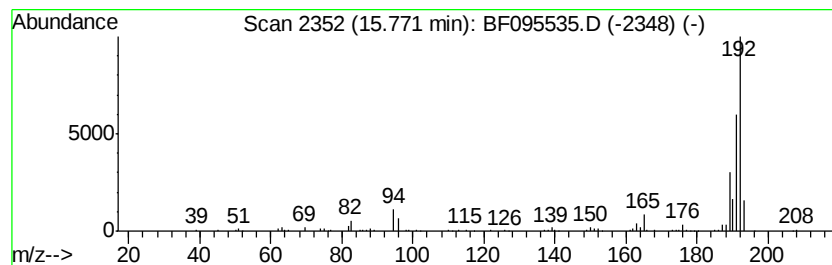
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	10.74 ng	371798	Phenanthrene-d10	14.99

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	81
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
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ClientSampleId :
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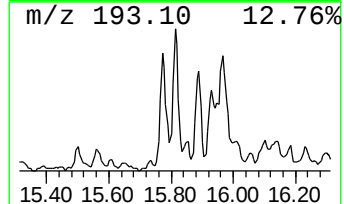
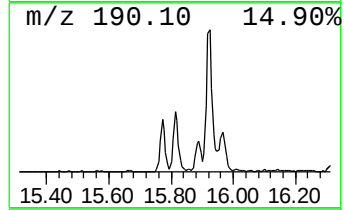
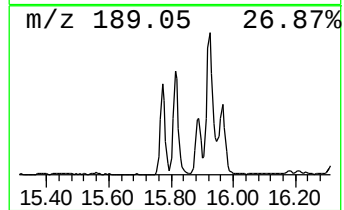
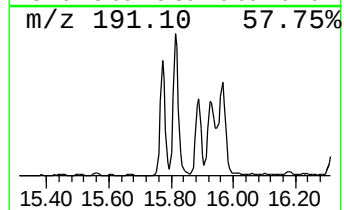
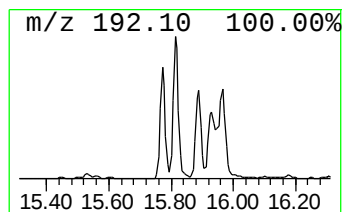
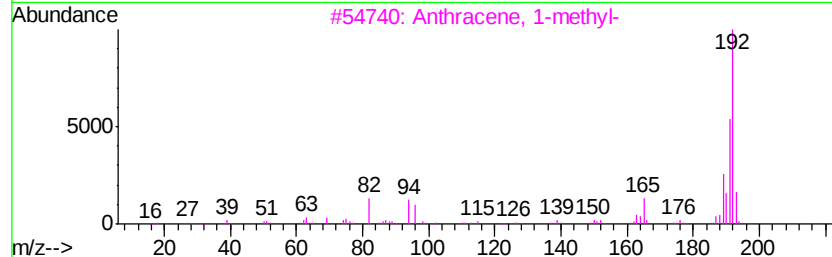
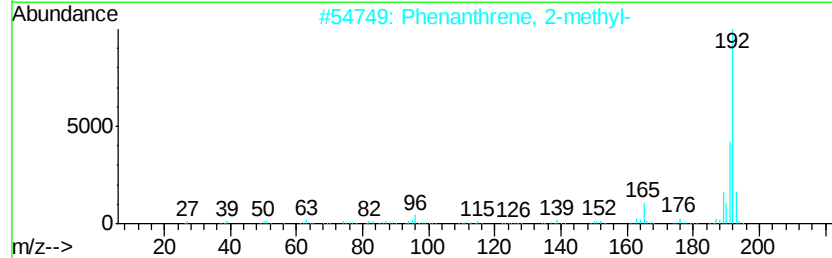
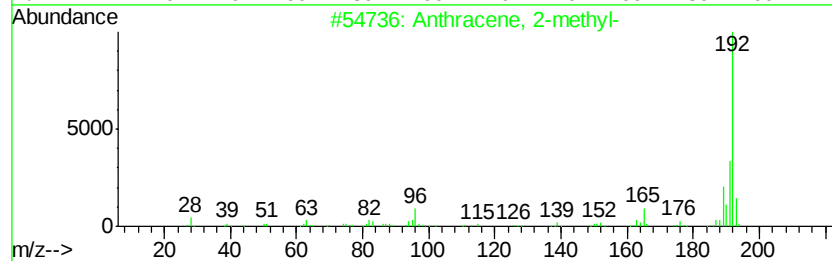
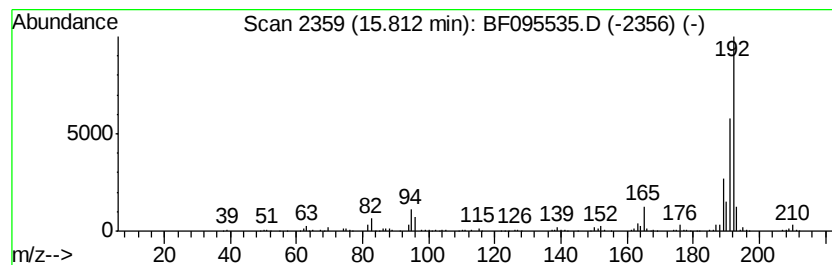
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	14.49 ng	501598	Phenanthrene-d10	14.99

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	92
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	90



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ALS Vial : 6 Sample Multiplier: 1

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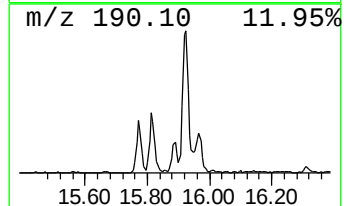
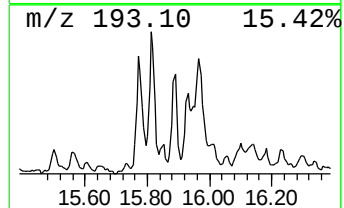
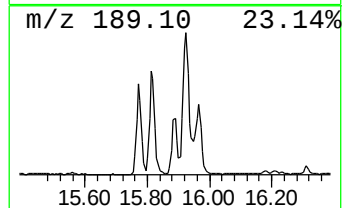
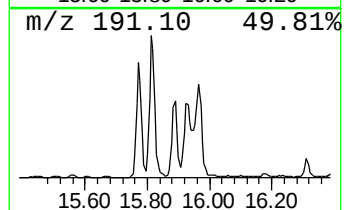
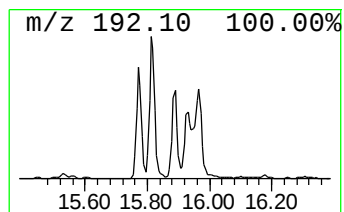
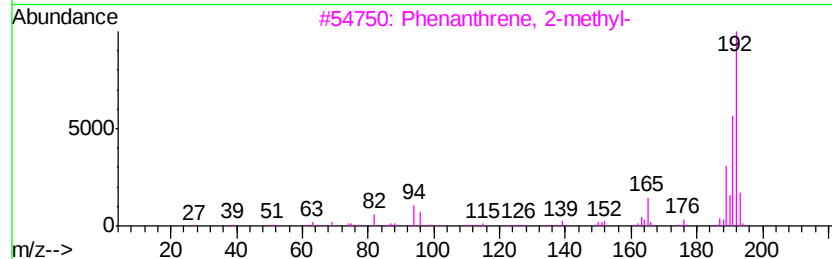
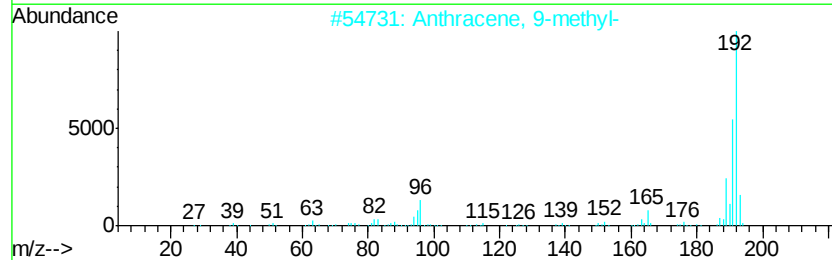
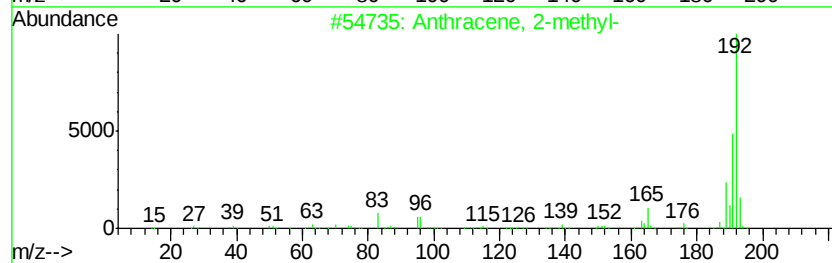
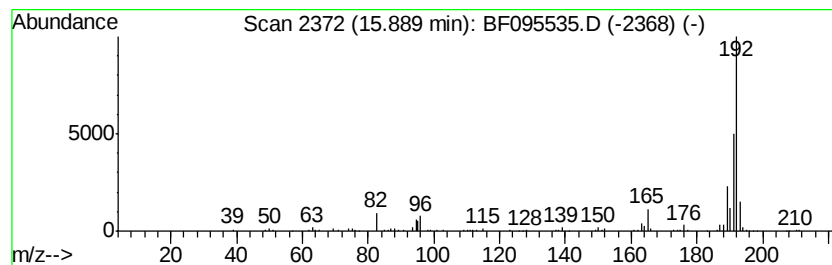
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Anthracene, 9-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	8.16 ng	282427	Phenanthrene-d10	14.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2			Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4			Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5			Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
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ALS Vial : 6 Sample Multiplier: 1

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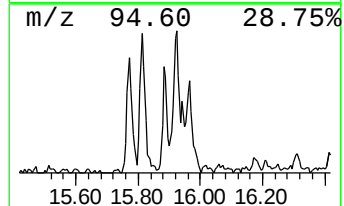
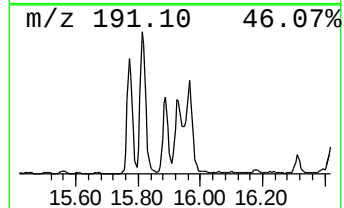
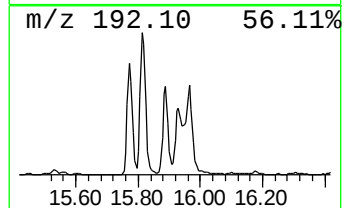
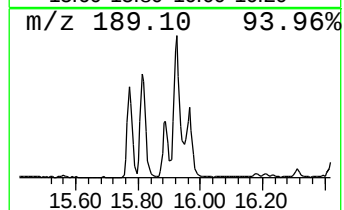
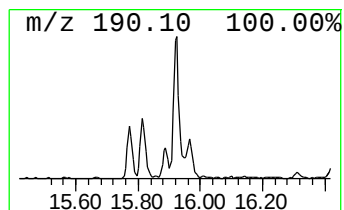
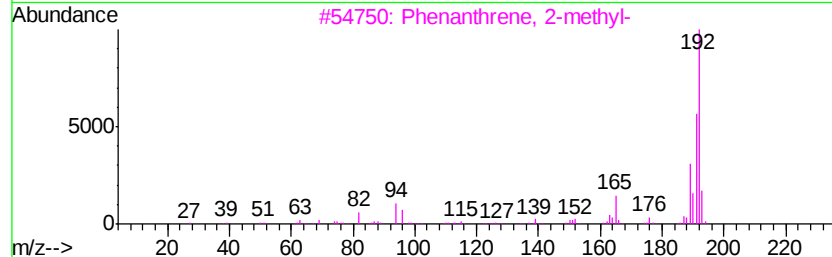
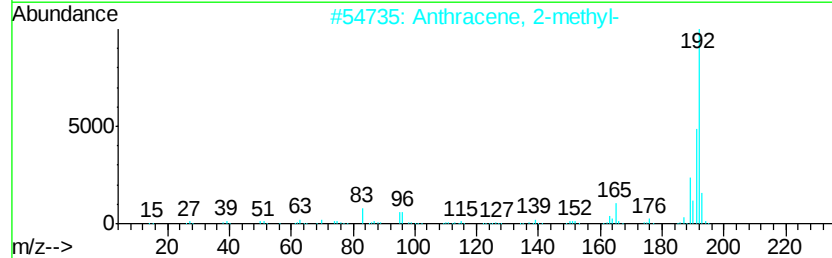
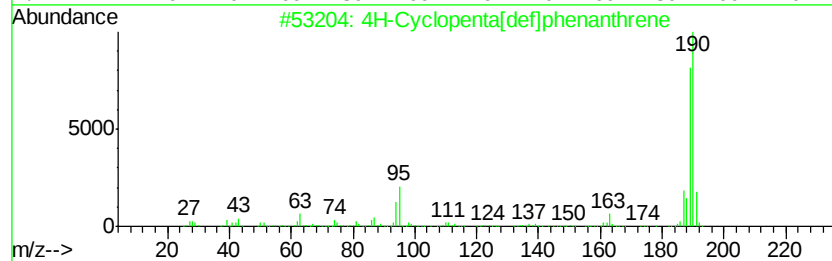
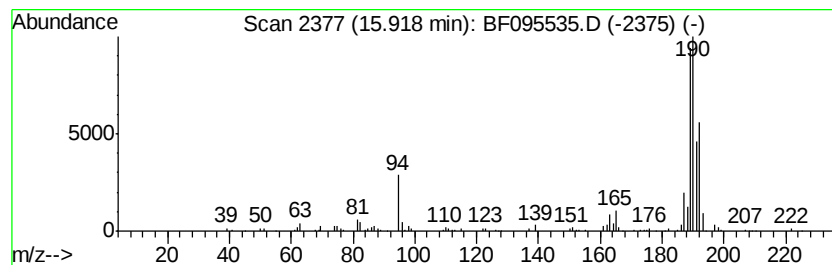
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 unknown15.92 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	12.21 ng	422766	Phenanthrene-d10	14.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	46
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46
4		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	42
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
Data File : BF095535.D
Acq On : 30 May 2017 15:03
Operator : SJ/MA
Sample : I3281-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R1-TP5-D34

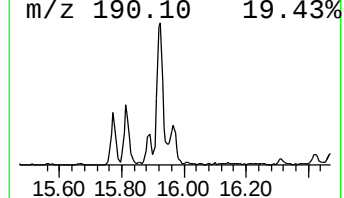
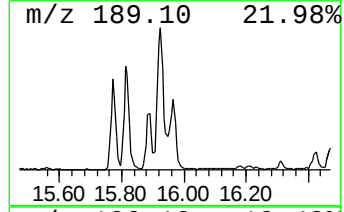
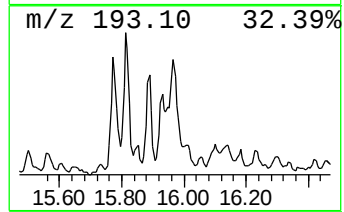
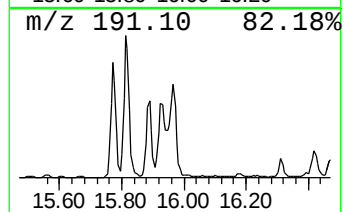
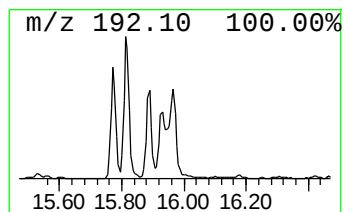
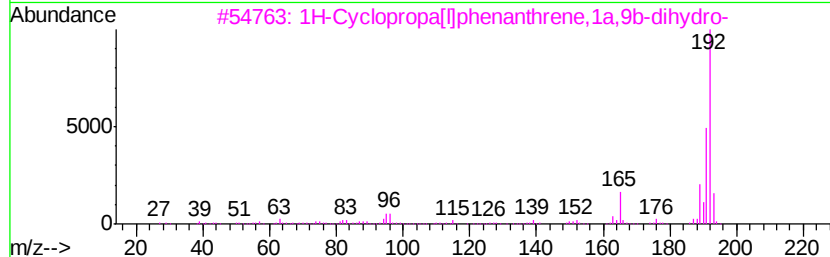
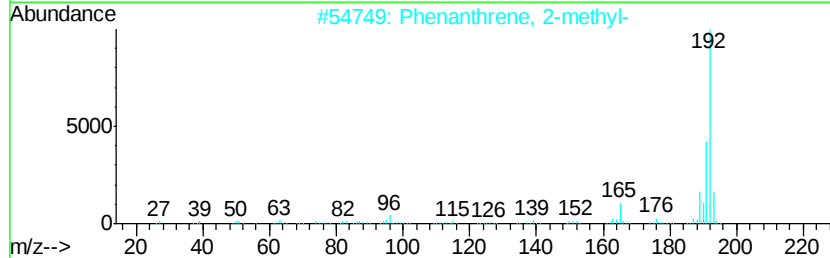
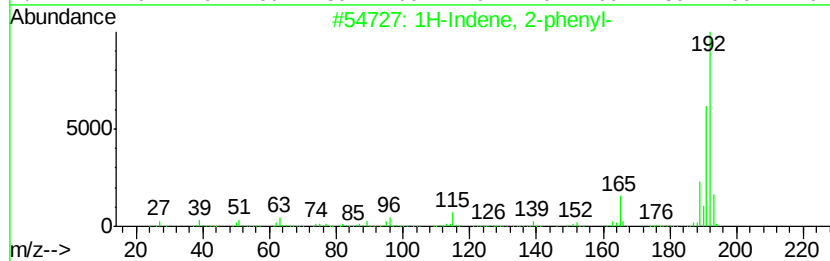
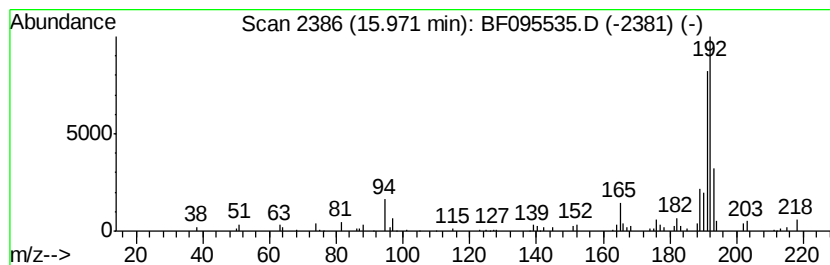
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 1H-Indene, 2-phenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	14.21 ng	492012	Phenanthrene-d10	14.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	91
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
Data File : BF095535.D
Acq On : 30 May 2017 15:03
Operator : SJ/MA
Sample : I3281-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

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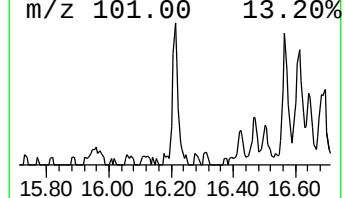
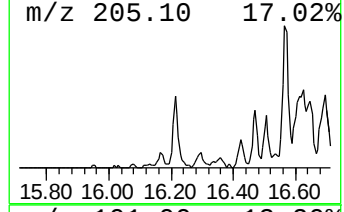
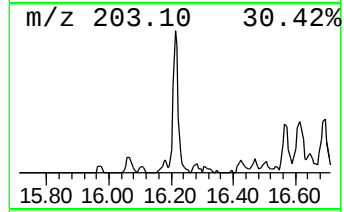
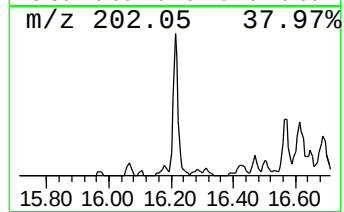
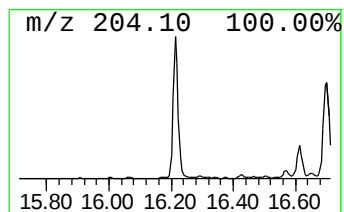
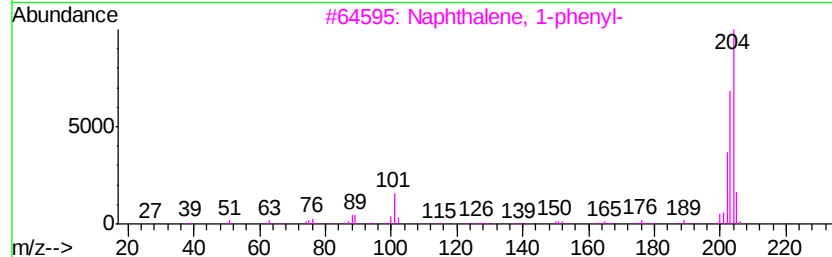
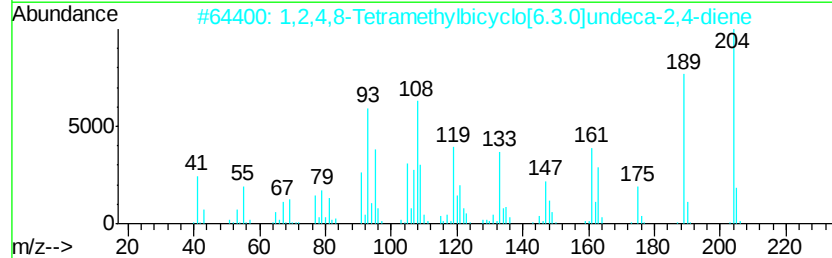
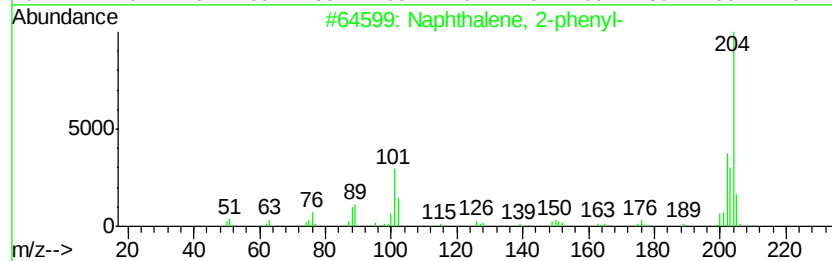
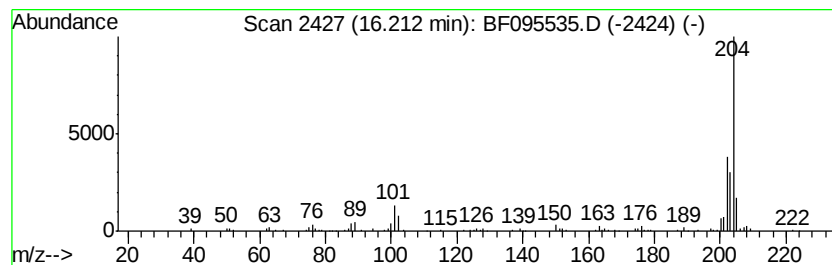
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	7.43 ng	257200	Phenanthrene-d10	14.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	90
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2,4,6,8-tetraene	204	C16H12	006572-60-7	72
5		1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
Data File : BF095535.D
Acq On : 30 May 2017 15:03
Operator : SJ/MA
Sample : I3281-11
Misc :
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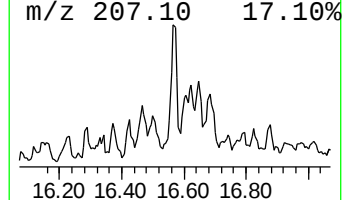
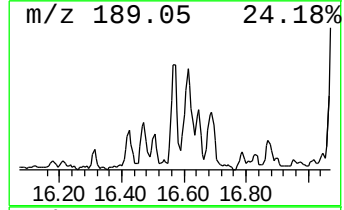
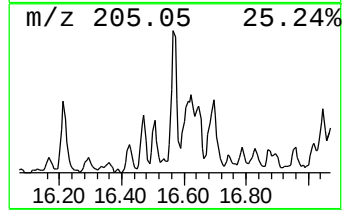
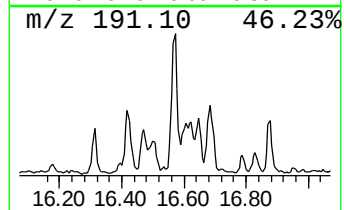
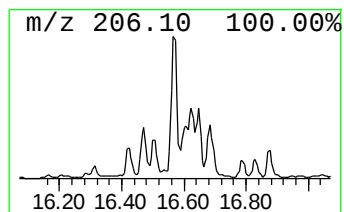
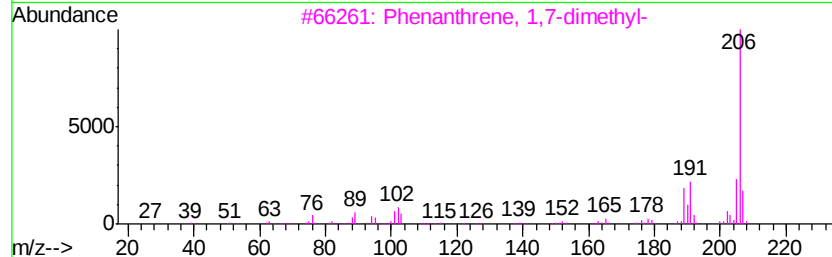
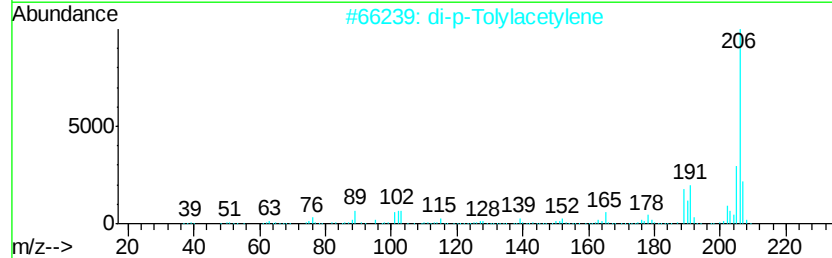
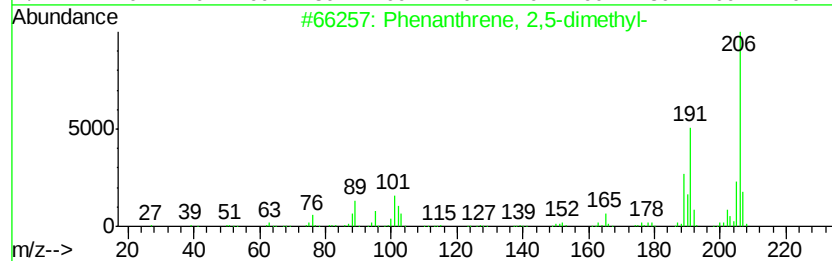
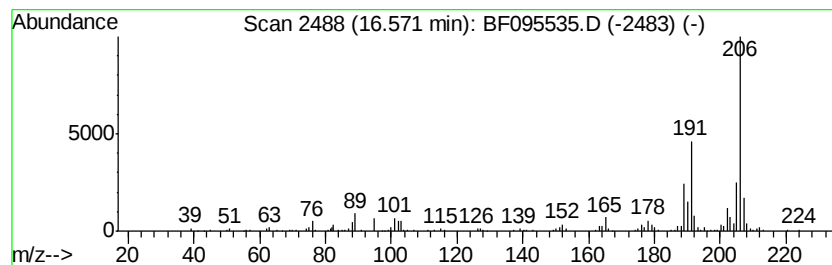
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ClientSampleId :
R1-TP5-D34

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 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.
16.57	10.90 ng	377258	Phenanthrene-d10		14.99
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	9,10-Dimethylantracene	206	C16H14	000781-43-1	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
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Acq On : 30 May 2017 15:03
Operator : SJ/MA
Sample : I3281-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

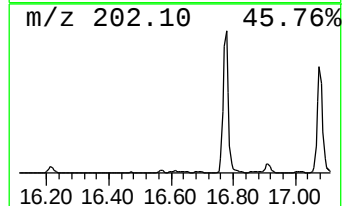
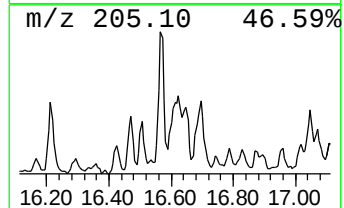
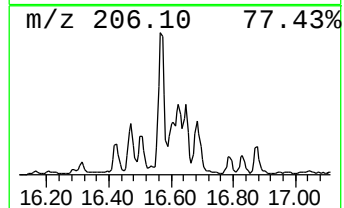
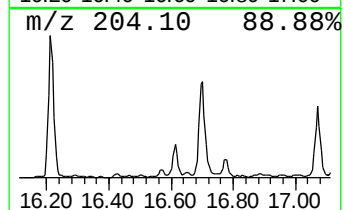
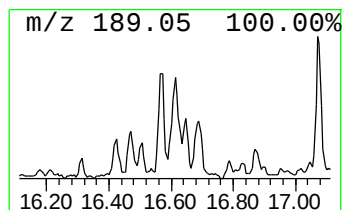
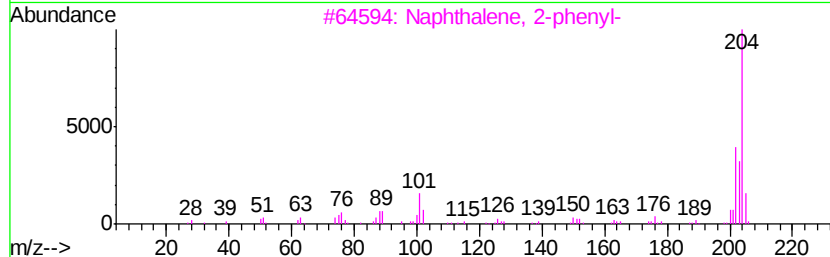
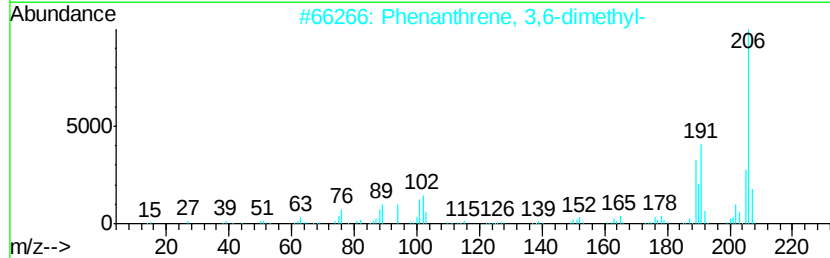
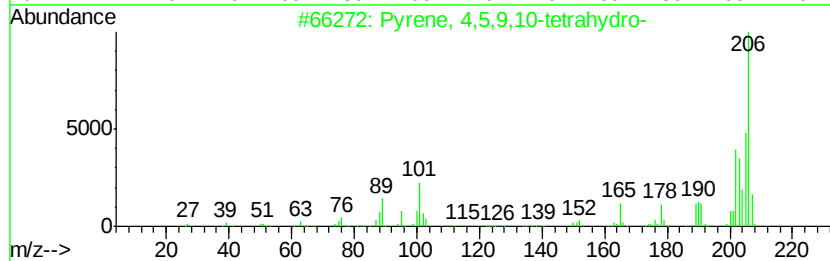
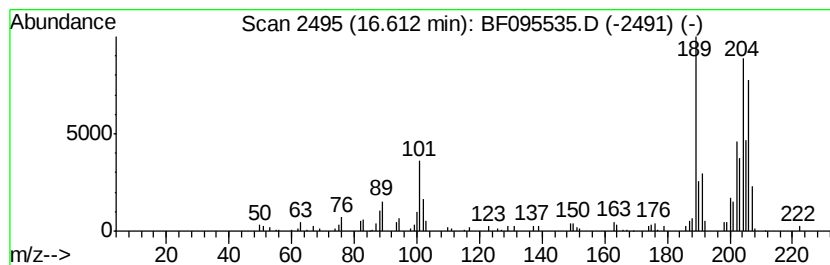
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown16.61 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.61	5.03 ng	174106	Phenanthrene-d10	14.99	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	41
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35
4	3-Acetyl-2,5-dimethylbenzo(b)thi...	204	C12H12OS	006179-04-0	35
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
Data File : BF095535.D
Acq On : 30 May 2017 15:03
Operator : SJ/MA
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Misc :
ALS Vial : 6 Sample Multiplier: 1

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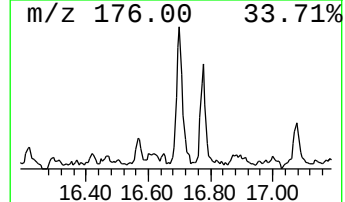
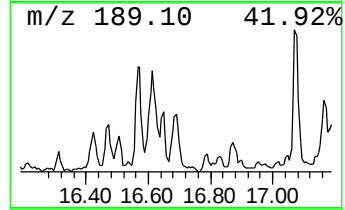
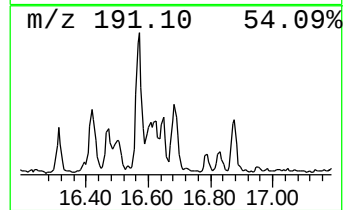
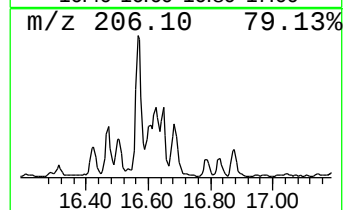
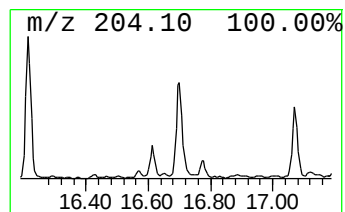
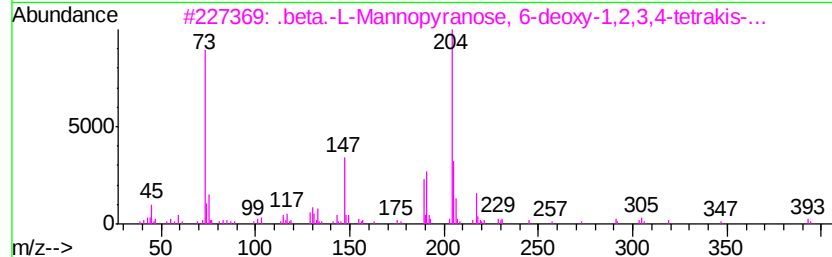
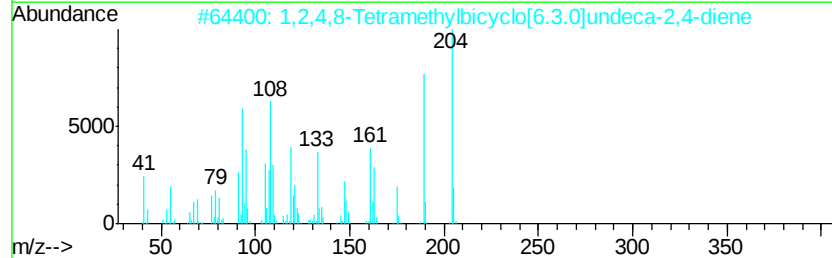
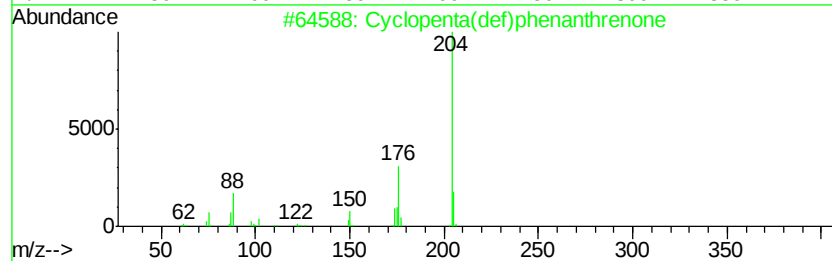
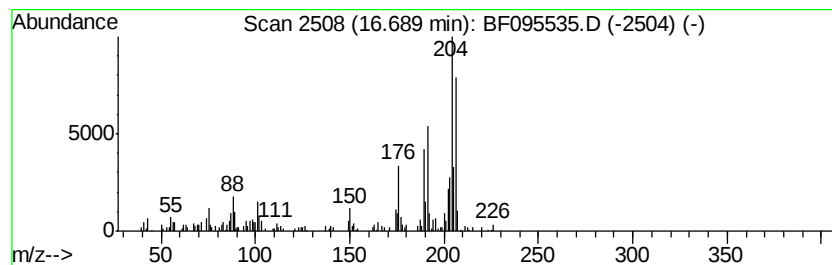
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	7.23 ng	250235	Phenanthrene-d10	14.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	60
3		.beta.-L-Mannopyranose, 6-deoxy-...	452	C18H44O5Si4	055057-22-2	50
4		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
5		L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
Data File : BF095535.D
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Misc :
ALS Vial : 6 Sample Multiplier: 1

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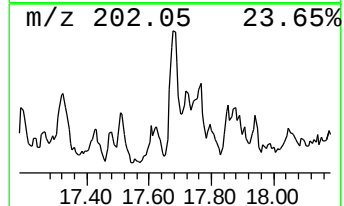
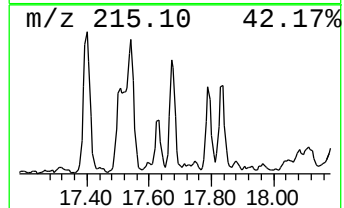
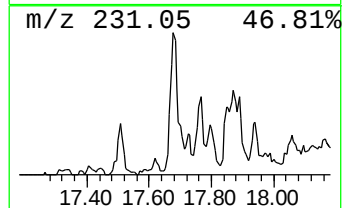
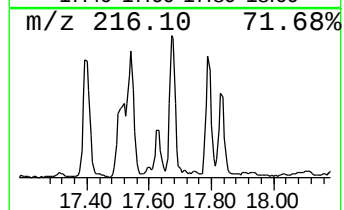
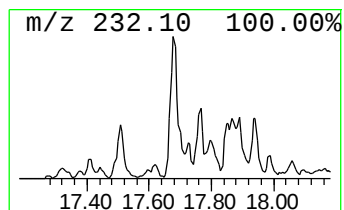
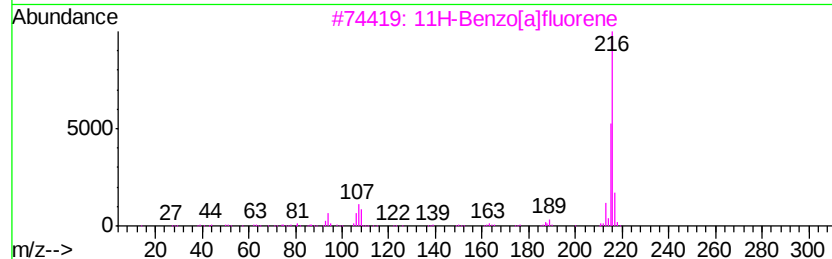
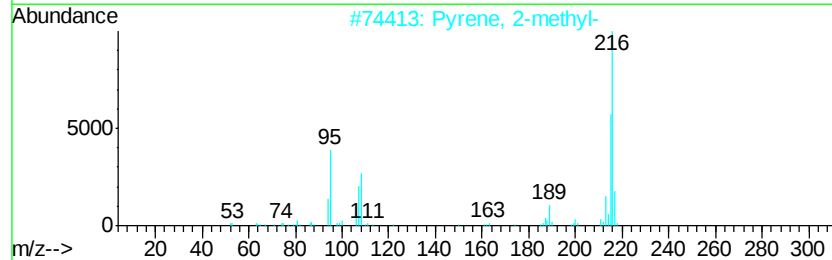
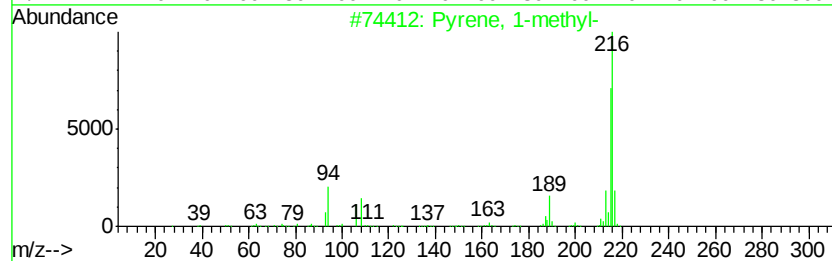
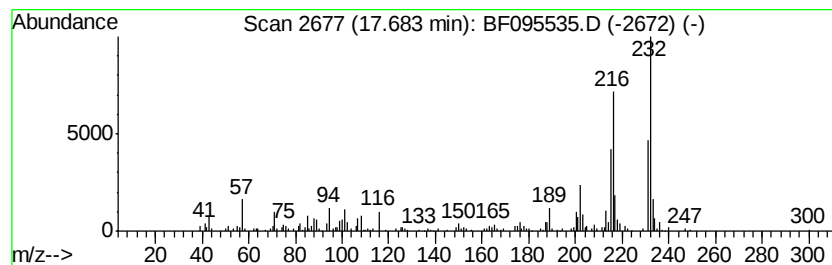
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.68	7.82 ng	455645	Chrysene-d12	18.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2		Pyrene, 2-methyl-	216	C17H12	003442-78-2	70
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	55
4		Pyrene, 4-methyl-	216	C17H12	003353-12-6	46
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
Data File : BF095535.D
Acq On : 30 May 2017 15:03
Operator : SJ/MA
Sample : I3281-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
R1-TP5-D34

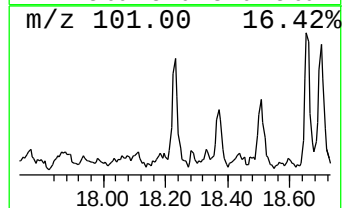
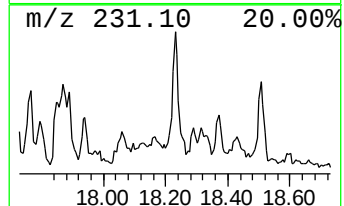
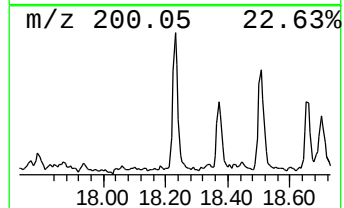
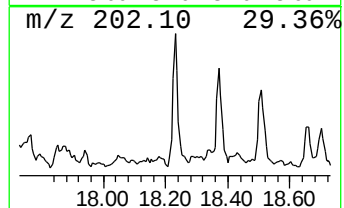
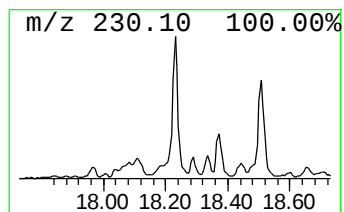
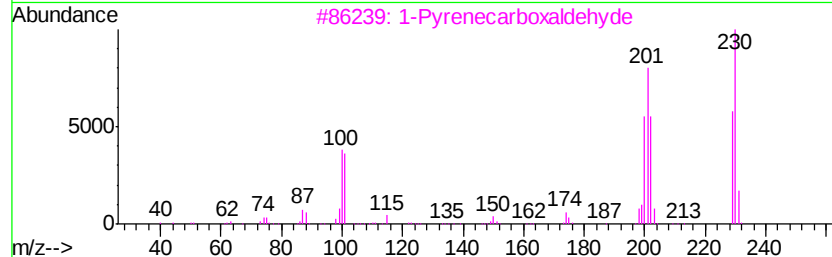
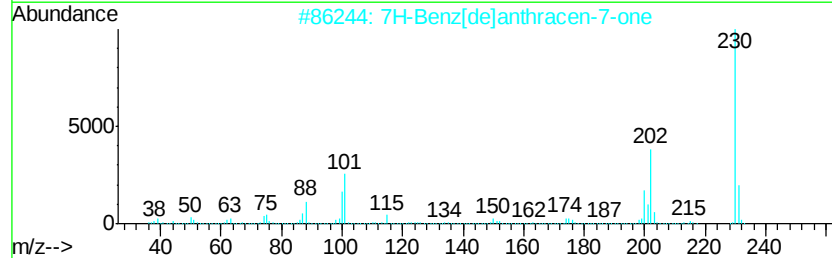
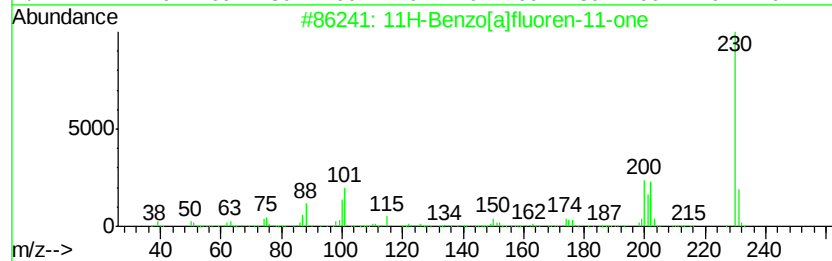
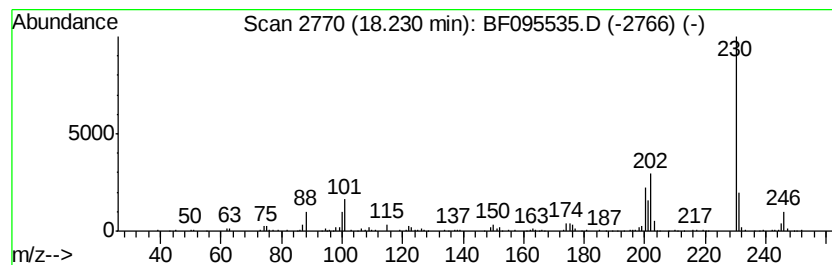
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 11H-Benzo[a]fluoren-11-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	5.38 ng	313294	Chrysene-d12	18.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	96
3		1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	64
4		o-Terphenyl	230	C18H14	000084-15-1	64
5		6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
Data File : BF095535.D
Acq On : 30 May 2017 15:03
Operator : SJ/MA
Sample : I3281-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
R1-TP5-D34

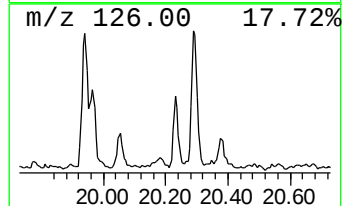
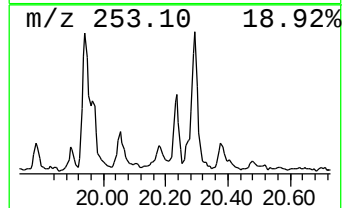
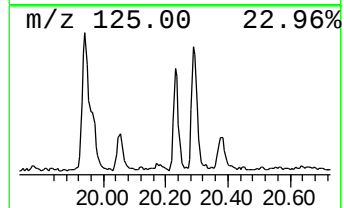
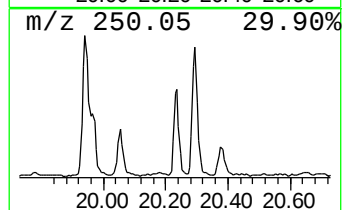
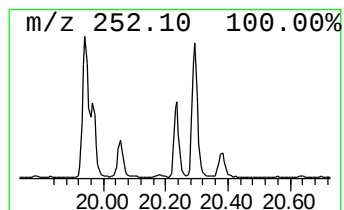
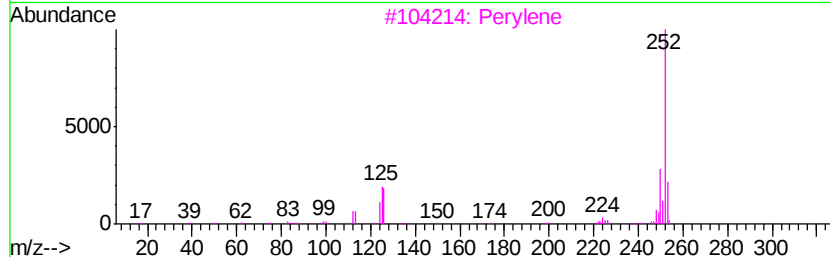
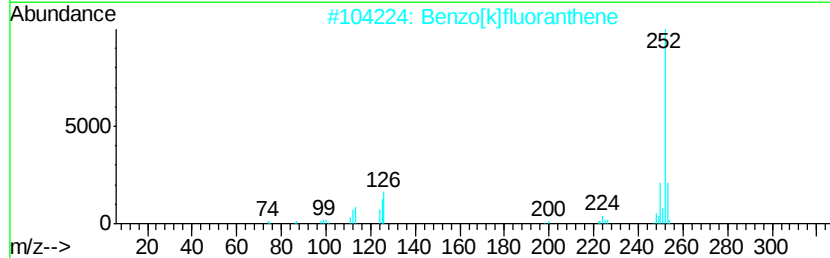
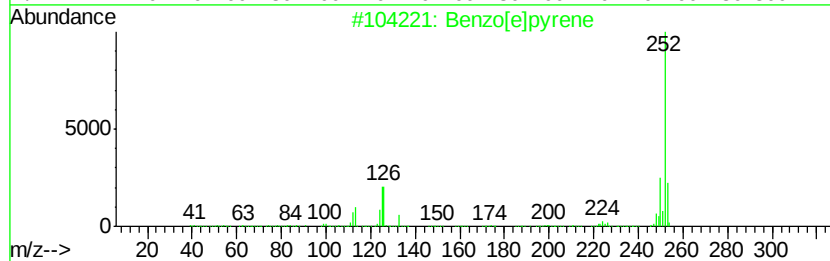
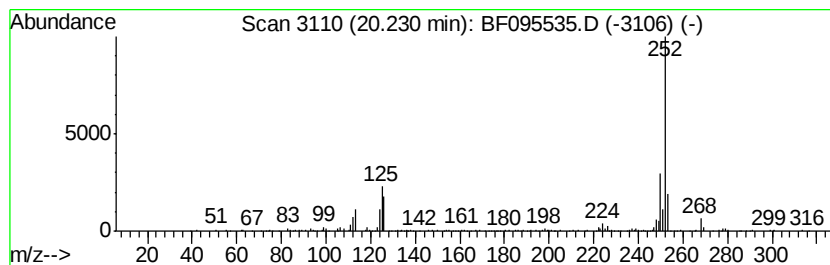
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.23	9.97 ng	267853	Perylene-d12	20.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3		Perylene	252	C20H12	000198-55-0	94
4		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5		Benzo[a]pyrene	252	C20H12	000050-32-8	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
 Data File : BF095535.D
 Acq On : 30 May 2017 15:03
 Operator : SJ/MA
 Sample : I3281-11
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP5-D34

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
2-Pentanone, 4-hy...	5.08	11.6	ng	305703	1	7.74	525659	20.0
unknown7.40	7.40	78.5	ng	2063800	1	7.74	525659	20.0
Dibenzofuran, 4-m...	13.76	5.3	ng	236304	3	12.59	888585	20.0
Naphtho[2,1-b]fur...	14.61	6.8	ng	235246	4	14.99	692376	20.0
9H-Fluoren-9-one	14.72	5.2	ng	181433	4	14.99	692376	20.0
Benzenamine, 3-[2...	14.78	5.5	ng	188575	4	14.99	692376	20.0
Phenanthrene, 2-m...	15.77	10.7	ng	371798	4	14.99	692376	20.0
Anthracene, 2-met...	15.81	14.5	ng	501598	4	14.99	692376	20.0
Anthracene, 9-met...	15.89	8.2	ng	282427	4	14.99	692376	20.0
unknown15.92	15.92	12.2	ng	422766	4	14.99	692376	20.0
1H-Indene, 2-phenyl-	15.97	14.2	ng	492012	4	14.99	692376	20.0
Naphthalene, 2-ph...	16.21	7.4	ng	257200	4	14.99	692376	20.0
Phenanthrene, 2,5...	16.57	10.9	ng	377258	4	14.99	692376	20.0
unknown16.61	16.61	5.0	ng	174106	4	14.99	692376	20.0
Cyclopenta(def)ph...	16.69	7.2	ng	250235	4	14.99	692376	20.0
Pyrene, 1-methyl-	17.68	7.8	ng	455645	5	18.67	1165600	20.0
11H-Benzo[a]fluor...	18.23	5.4	ng	313294	5	18.67	1165600	20.0
Benzo[e]pyrene	20.23	10.0	ng	267853	6	20.35	537270	20.0