

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051617\
 Data File : BF095172.D
 Acq On : 16 May 2017 23:43
 Operator : SJ/MA
 Sample : I3170-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-33-20170515

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	3.501	260	266	280	rBV2	38742	94713	3.88%	0.211%
2	5.131	538	543	567	rBV	187033	395740	16.21%	0.881%
3	5.742	644	647	682	rBV	994488	2103320	86.16%	4.682%
4	7.319	911	915	931	rBV	824773	1895373	77.64%	4.219%
5	7.442	931	936	954	rVB	1547999	2441097	100.00%	5.434%
6	7.778	988	993	1003	rBV	452756	561973	23.02%	1.251%
7	8.013	1028	1033	1049	rBV	1534943	1831832	75.04%	4.077%
8	8.672	1140	1145	1163	rBV	898688	1267112	51.91%	2.820%
9	9.789	1330	1335	1339	rBV	522642	650024	26.63%	1.447%
10	11.560	1631	1636	1650	rBV	1991267	2375738	97.32%	5.288%
11	12.095	1721	1727	1731	rBV	57239	81452	3.34%	0.181%
12	12.254	1750	1754	1760	rBV	175207	285848	11.71%	0.636%
13	12.395	1773	1778	1788	rBV	138907	224324	9.19%	0.499%
14	12.618	1811	1816	1822	rBV2	556138	751930	30.80%	1.674%
15	12.671	1822	1825	1833	rVB	113770	151492	6.21%	0.337%
16	12.966	1871	1875	1883	rBV2	69761	138093	5.66%	0.307%
17	13.166	1904	1909	1914	rBV2	49790	73052	2.99%	0.163%
18	13.454	1952	1958	1963	rBV3	62701	93059	3.81%	0.207%
19	13.518	1963	1969	1977	rVB	122806	176565	7.23%	0.393%
20	13.795	2011	2016	2018	rBV	67195	97287	3.99%	0.217%
21	13.918	2032	2037	2046	rBV2	640326	987145	40.44%	2.197%
22	14.230	2085	2090	2092	rBV	56019	72538	2.97%	0.161%
23	14.254	2092	2094	2099	rVB2	56555	69774	2.86%	0.155%
24	14.418	2116	2122	2126	rBV2	53549	107094	4.39%	0.238%
25	14.648	2156	2161	2164	rBV4	53797	88424	3.62%	0.197%
26	14.742	2173	2177	2183	rBV	78510	113227	4.64%	0.252%
27	14.818	2185	2190	2193	rVV3	44888	88731	3.63%	0.198%
28	14.860	2193	2197	2201	rVB	79877	107342	4.40%	0.239%
29	15.024	2219	2225	2228	rVV	434978	579706	23.75%	1.290%
30	15.060	2228	2231	2239	rVV	1400880	1740764	71.31%	3.875%
31	15.142	2241	2245	2251	rVB	256233	314728	12.89%	0.701%
32	15.236	2256	2261	2265	rBV2	53951	88146	3.61%	0.196%
33	15.430	2285	2294	2298	rBV2	85630	158170	6.48%	0.352%
34	15.542	2310	2313	2317	rVB	69403	79921	3.27%	0.178%

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Integrator: RTE

Smoothing : ON

Sampling : 1

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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

35	15.671	2331	2335	2341	rVB	49521	70738	2.90%	0.157%
36	15.801	2354	2357	2361	rBV	363107	386549	15.84%	0.860%
37	15.842	2361	2364	2369	rVV	413256	468680	19.20%	1.043%
38	15.912	2373	2376	2379	rBV	124145	135145	5.54%	0.301%
39	15.954	2379	2383	2386	rVV2	424976	552532	22.63%	1.230%
40	15.989	2386	2389	2396	rVB	287458	428549	17.56%	0.954%
41	16.148	2412	2416	2423	rVV5	55874	113087	4.63%	0.252%
42	16.212	2423	2427	2429	rVV3	54197	71936	2.95%	0.160%
43	16.242	2429	2432	2437	rVV	184580	256500	10.51%	0.571%
44	16.289	2437	2440	2446	rVV2	187980	261080	10.70%	0.581%
45	16.448	2464	2467	2471	rBV	91123	117804	4.83%	0.262%
46	16.495	2472	2475	2479	rVV	86726	119047	4.88%	0.265%
47	16.595	2488	2492	2496	rBV	279114	370492	15.18%	0.825%
48	16.642	2496	2500	2503	rVV	151244	222052	9.10%	0.494%
49	16.677	2503	2506	2508	rVB	79551	77261	3.17%	0.172%
50	16.718	2508	2513	2517	rBV2	236143	314388	12.88%	0.700%
51	16.806	2523	2528	2532	rBV	1966970	2346922	96.14%	5.224%
52	16.901	2539	2544	2547	rBV4	108339	168648	6.91%	0.375%
53	16.936	2547	2550	2553	rVB2	110355	133267	5.46%	0.297%
54	17.001	2558	2561	2564	rVV2	74070	106315	4.36%	0.237%
55	17.030	2564	2566	2570	rVV3	73641	101658	4.16%	0.226%
56	17.106	2575	2579	2583	rVB	1877288	2312313	94.72%	5.147%
57	17.189	2588	2593	2596	rVV5	60257	113221	4.64%	0.252%
58	17.218	2596	2598	2602	rVB	70400	79786	3.27%	0.178%
59	17.265	2602	2606	2608	rBV3	80360	104300	4.27%	0.232%
60	17.289	2608	2610	2614	rVV2	113170	109398	4.48%	0.244%
61	17.342	2614	2619	2626	rVB	1474297	1729805	70.86%	3.850%
62	17.424	2626	2633	2639	rBV3	178923	363414	14.89%	0.809%
63	17.536	2647	2652	2654	rBV2	137550	233187	9.55%	0.519%
64	17.565	2654	2657	2662	rVB2	253722	314498	12.88%	0.700%
65	17.653	2669	2672	2676	rVB2	156887	171292	7.02%	0.381%
66	17.701	2676	2680	2690	rBV3	348716	747849	30.64%	1.665%
67	17.812	2697	2699	2703	rVB	174462	180150	7.38%	0.401%
68	17.853	2703	2706	2711	rBV	141026	166711	6.83%	0.371%
69	17.995	2727	2730	2735	rBV5	54116	69718	2.86%	0.155%
70	18.242	2769	2772	2777	rVB	212334	257181	10.54%	0.572%
71	18.312	2782	2784	2788	rBV2	56215	69466	2.85%	0.155%

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

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72	18.365	2789	2793	2795	rBV2	152696	198150	8.12%	0.441%
73	18.400	2796	2799	2802	rVV2	219537	272201	11.15%	0.606%
74	18.430	2802	2804	2807	rVV	162682	164221	6.73%	0.366%
75	18.465	2807	2810	2814	rVB2	125801	157243	6.44%	0.350%
76	18.518	2816	2819	2828	rVB	236233	260333	10.66%	0.579%
77	18.589	2828	2831	2834	rBV2	105090	116479	4.77%	0.259%
78	18.683	2842	2847	2851	rBV2	1140935	1777628	72.82%	3.957%
79	18.724	2851	2854	2862	rVB	1089717	1469827	60.21%	3.272%
80	18.818	2867	2870	2874	rVB2	139675	161736	6.63%	0.360%
81	18.900	2881	2884	2886	rBV2	57247	65976	2.70%	0.147%
82	18.965	2892	2895	2898	rBV2	90825	108927	4.46%	0.242%
83	19.012	2901	2903	2908	rVB2	79716	105484	4.32%	0.235%
84	19.147	2923	2926	2929	rBV	66533	73999	3.03%	0.165%
85	19.195	2929	2934	2938	rVV	241714	345551	14.16%	0.769%
86	19.236	2938	2941	2945	rVB	142443	148727	6.09%	0.331%
87	19.277	2945	2948	2950	rBV2	74736	98533	4.04%	0.219%
88	19.347	2957	2960	2963	rBV2	93566	138100	5.66%	0.307%
89	19.612	3003	3005	3014	rVB5	70518	134354	5.50%	0.299%
90	19.800	3034	3037	3042	rBV	140923	176175	7.22%	0.392%
91	19.959	3060	3064	3067	rBV	830579	1221240	50.03%	2.718%
92	19.989	3067	3069	3076	rVB	457112	483209	19.79%	1.076%
93	20.071	3080	3083	3086	rBV	148522	156590	6.41%	0.349%
94	20.253	3110	3114	3118	rBV	557344	623271	25.53%	1.387%
95	20.312	3120	3124	3130	rVV	715719	819076	33.55%	1.823%
96	20.371	3130	3134	3137	rVV	296275	347109	14.22%	0.773%
97	20.400	3137	3139	3142	rVB	131891	125402	5.14%	0.279%
98	21.700	3355	3360	3368	rBV	272757	506667	20.76%	1.128%
99	21.853	3382	3386	3390	rBV	52611	85082	3.49%	0.189%
100	22.088	3421	3426	3436	rVB	223334	454734	18.63%	1.012%

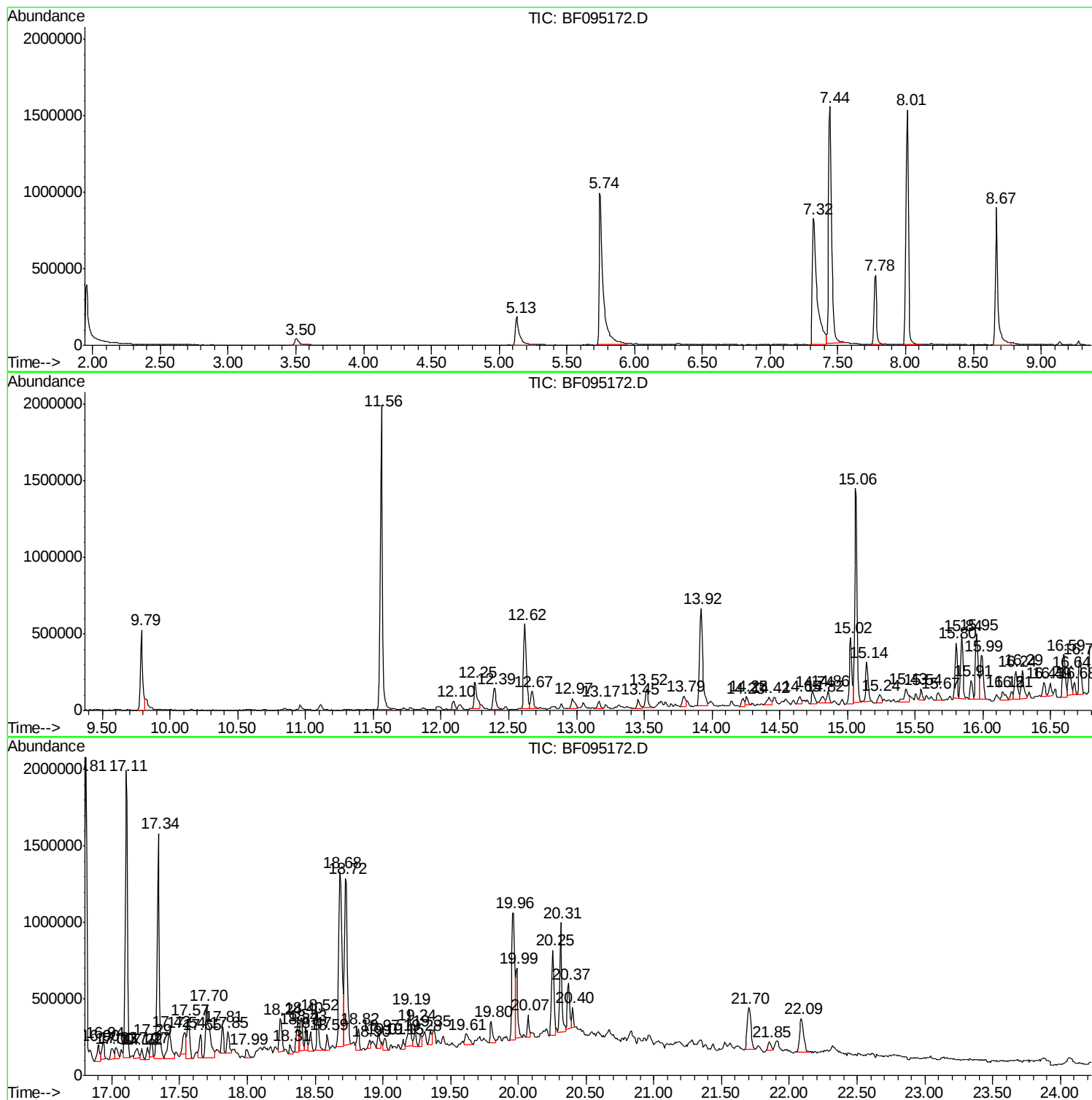
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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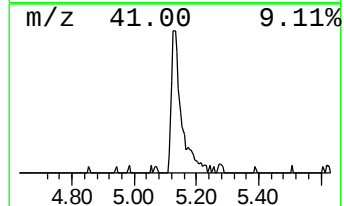
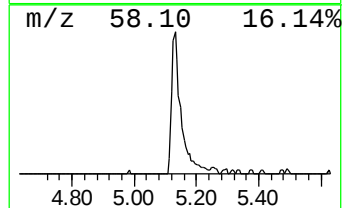
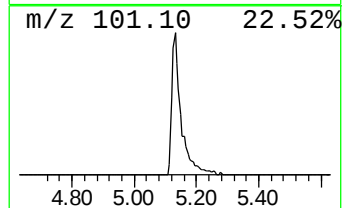
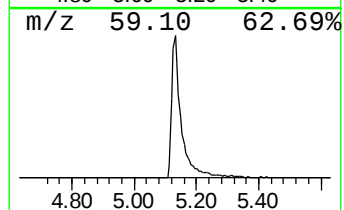
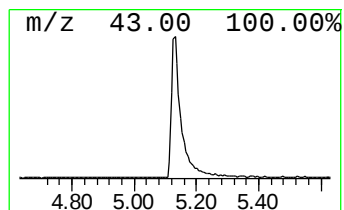
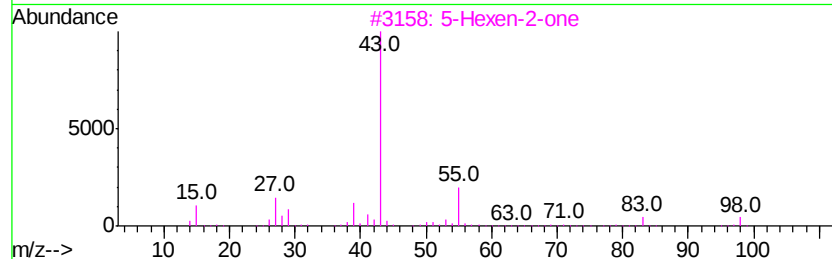
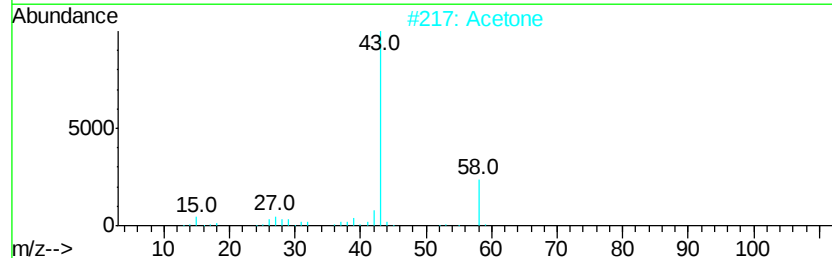
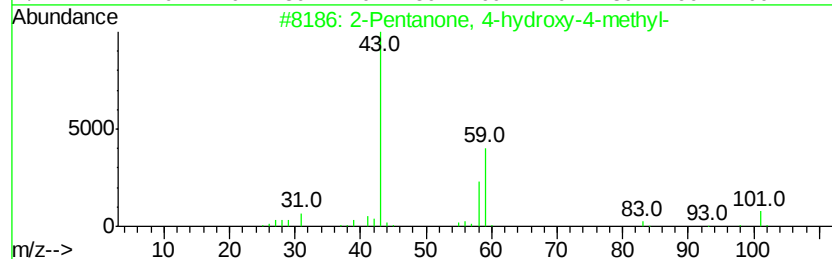
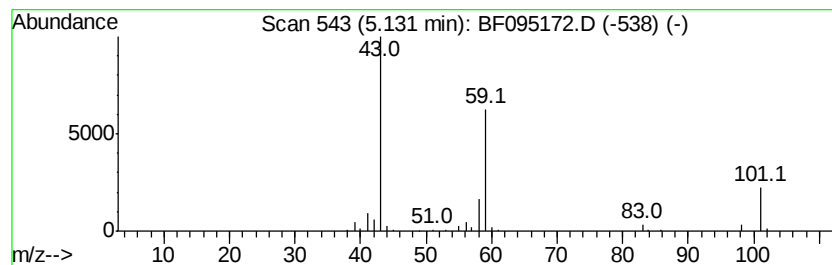
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.13	14.08 ng	395740	1,4-Dichlorobenzene-d4	7.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		Acetone	58	C3H6O	000067-64-1	10
3		5-Hexen-2-one	98	C6H10O	000109-49-9	9
4		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



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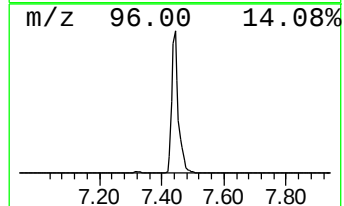
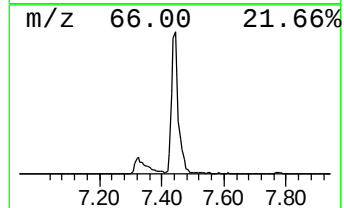
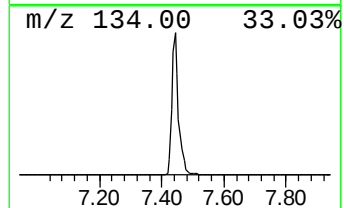
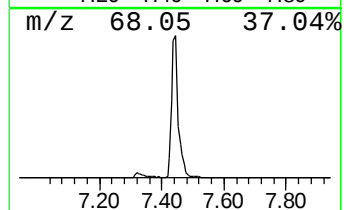
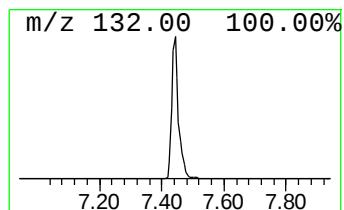
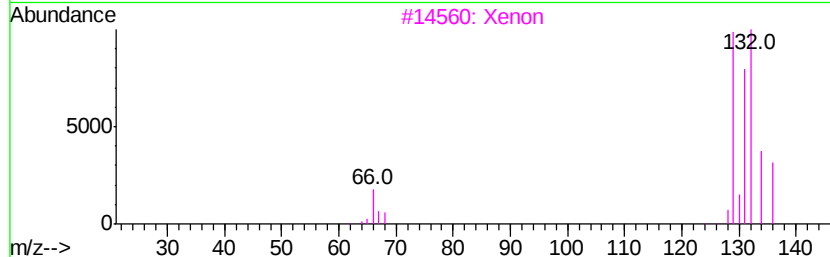
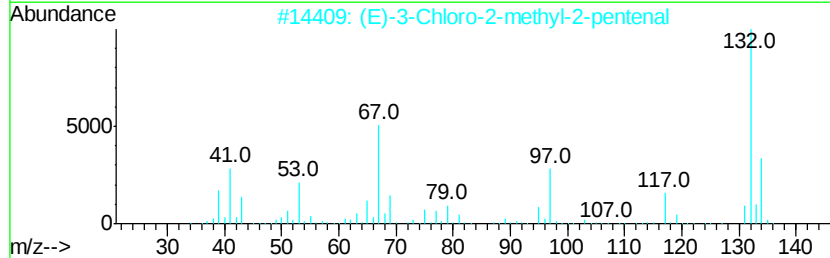
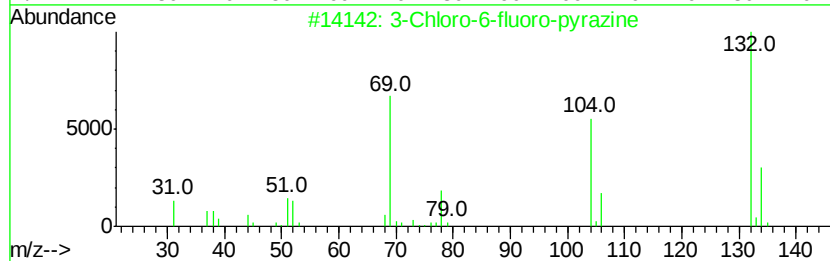
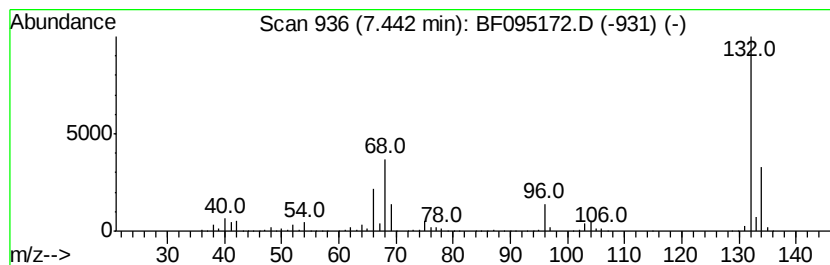
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown7.44 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.44	86.88 ng	2441100	1,4-Dichlorobenzene-d4	7.78

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	35
3		Xenon	132	Xe	007440-63-3	9
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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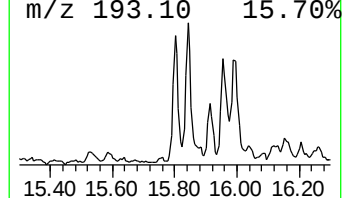
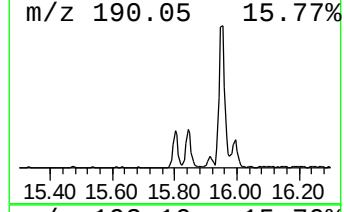
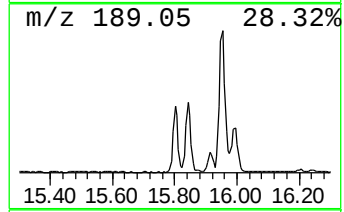
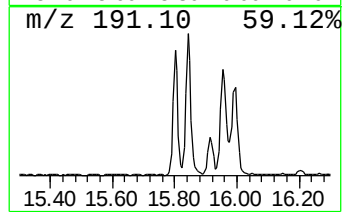
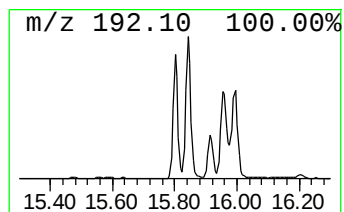
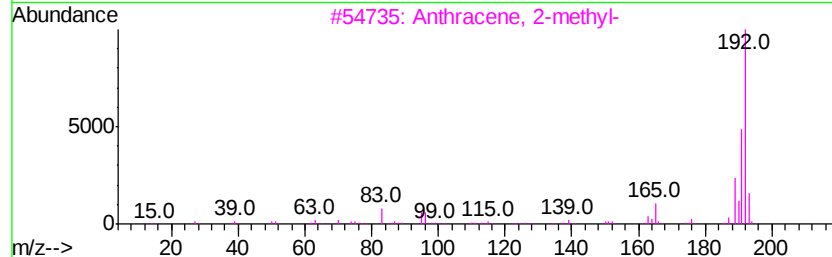
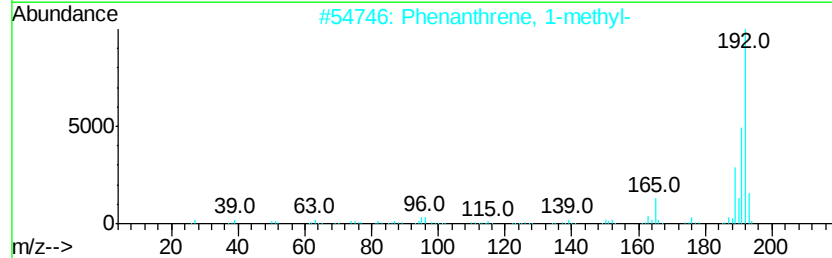
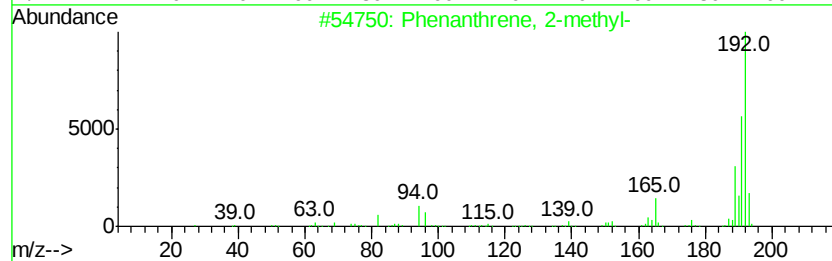
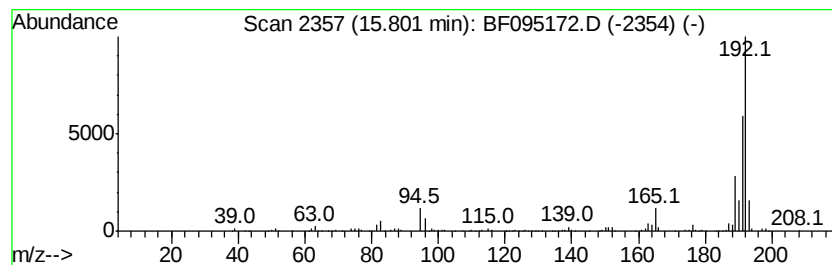
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.80	13.34 ng	386549	Phenanthrene-d10	15.02	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051617\
Data File : BF095172.D
Acq On : 16 May 2017 23:43
Operator : SJ/MA
Sample : I3170-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

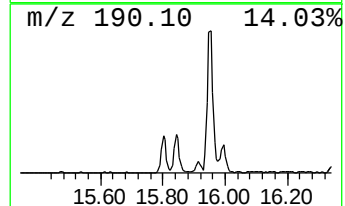
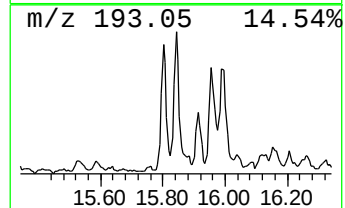
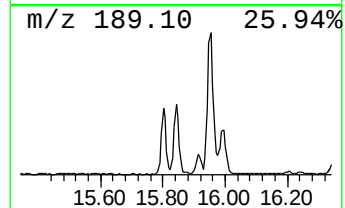
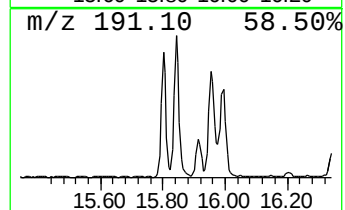
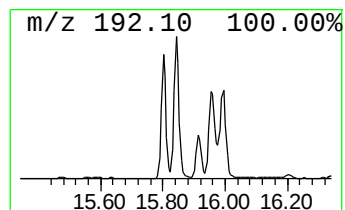
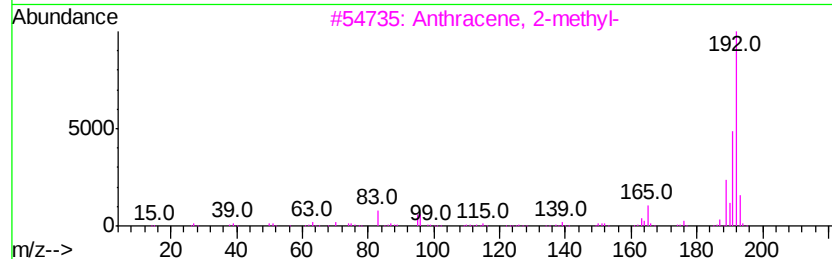
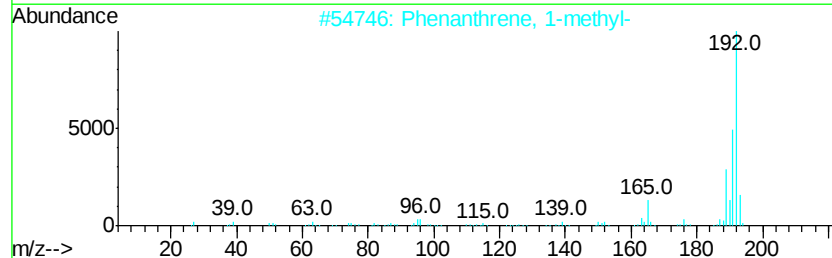
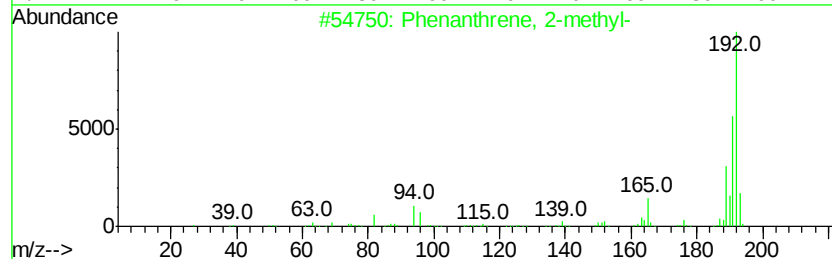
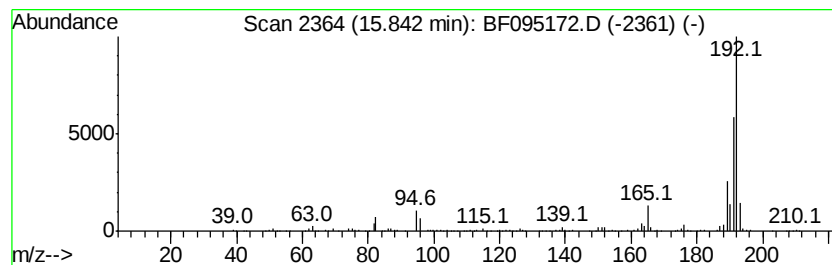
Instrument :
BNA_F
ClientSampleId :
POSTEX-33-20170515

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 5 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.84	16.17 ng	468680	Phenanthrene-d10	15.02	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
5	1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051617\
Data File : BF095172.D
Acq On : 16 May 2017 23:43
Operator : SJ/MA
Sample : I3170-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POSTEX-33-20170515

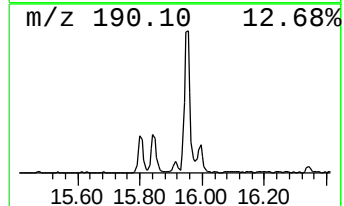
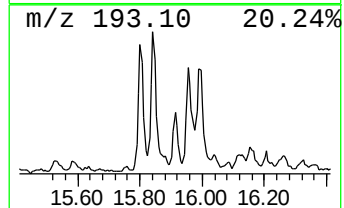
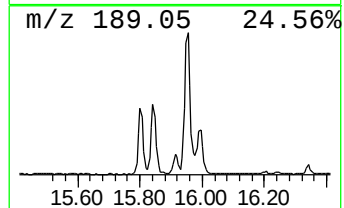
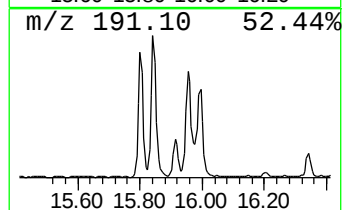
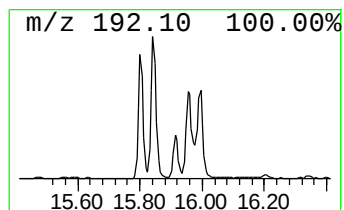
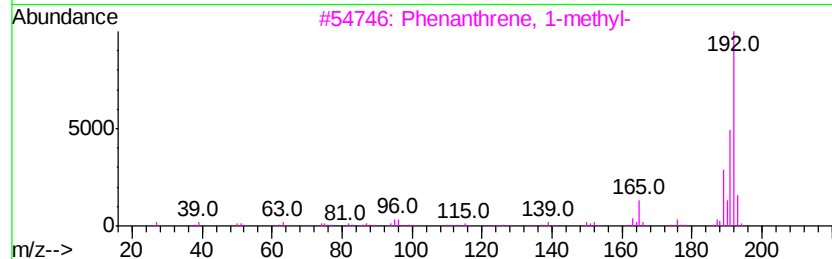
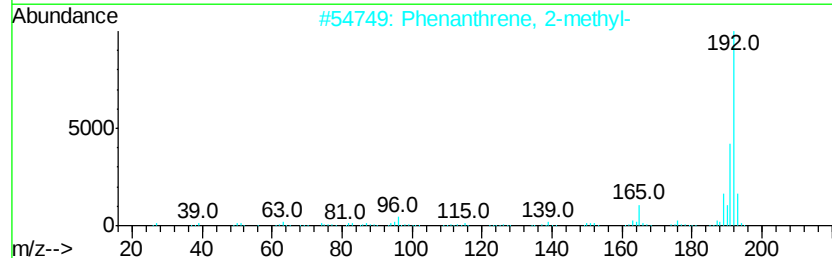
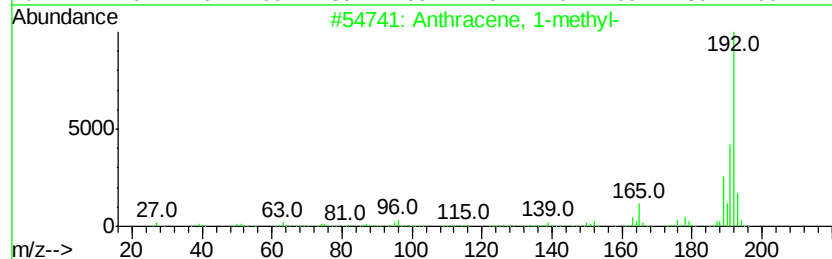
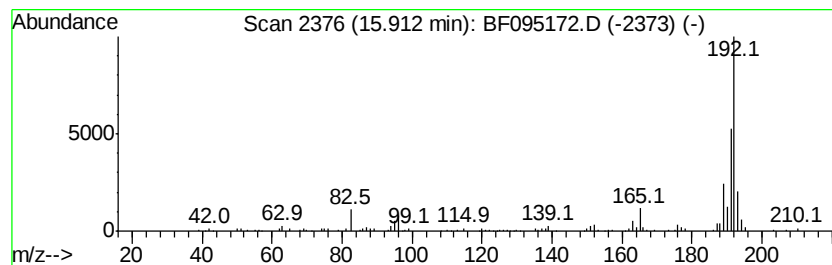
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	4.66 ng	135145	Phenanthrene-d10	15.02

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	95
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	94



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051617\
Data File : BF095172.D
Acq On : 16 May 2017 23:43
Operator : SJ/MA
Sample : I3170-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POSTEX-33-20170515

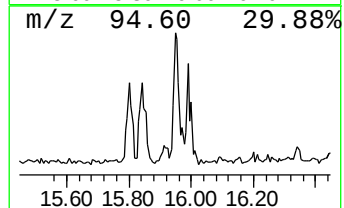
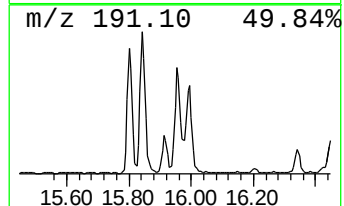
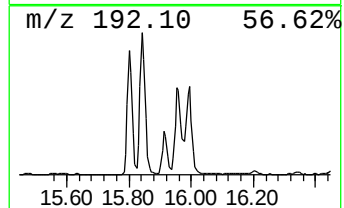
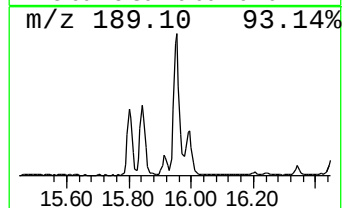
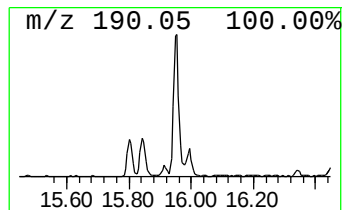
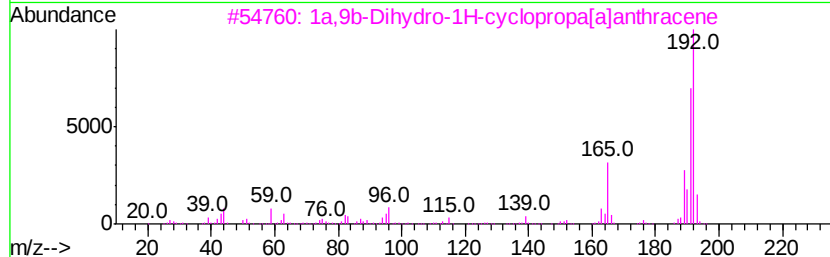
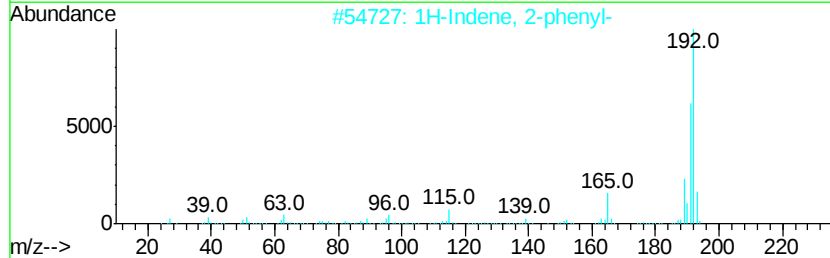
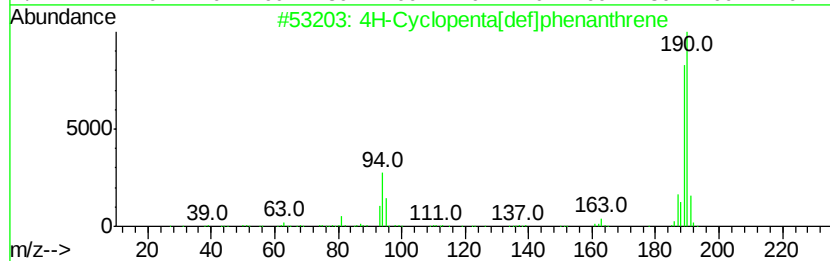
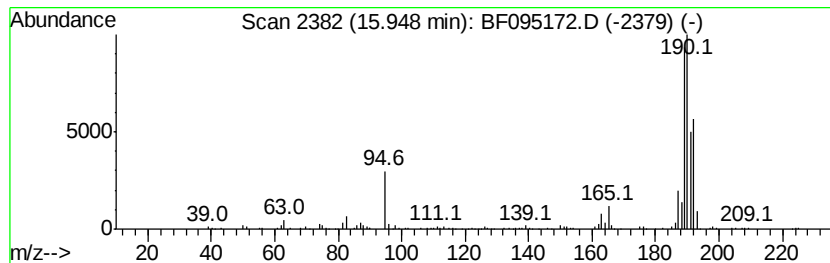
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	19.06 ng	552532	Phenanthrene-d10	15.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50
3		1a,9b-Dihydro-1H-cyclopropa[a]lan...	192	C15H12	006109-24-6	46
4		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	46
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051617\
Data File : BF095172.D
Acq On : 16 May 2017 23:43
Operator : SJ/MA
Sample : I3170-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POSTEX-33-20170515

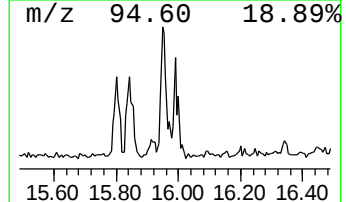
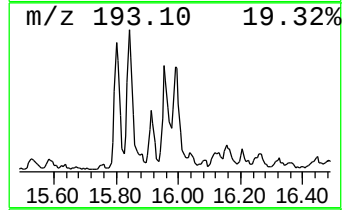
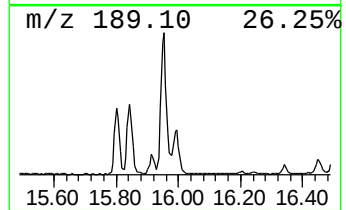
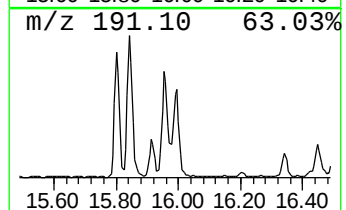
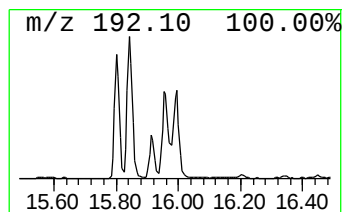
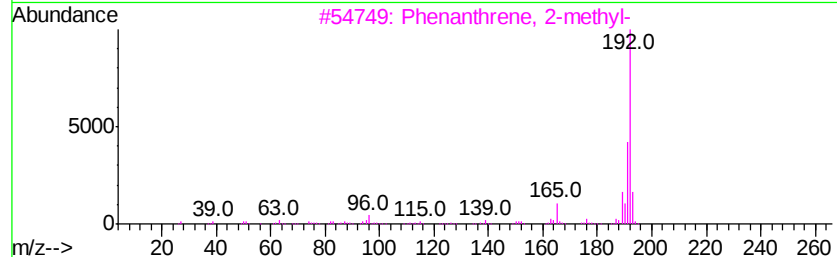
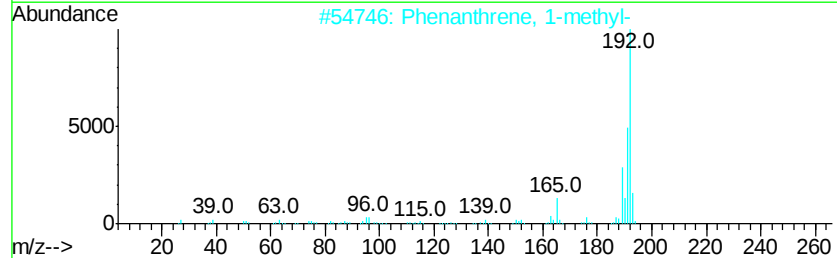
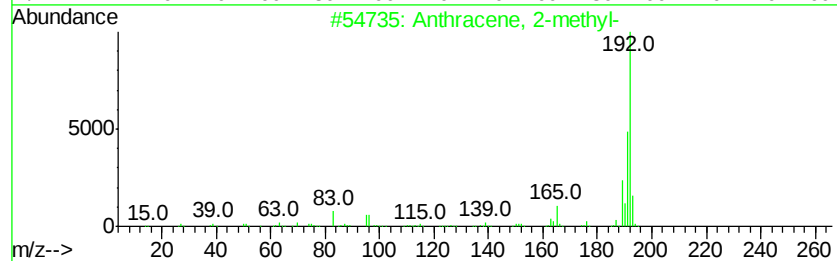
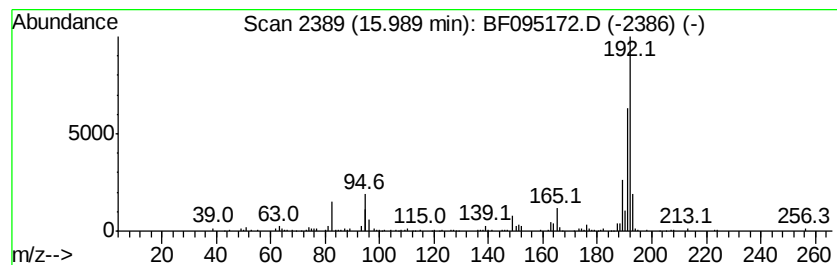
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	14.79 ng	428549	Phenanthrene-d10	15.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051617\
Data File : BF095172.D
Acq On : 16 May 2017 23:43
Operator : SJ/MA
Sample : I3170-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POSTEX-33-20170515

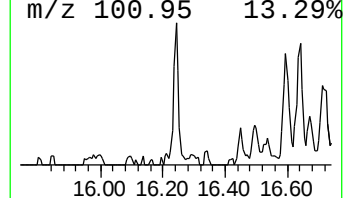
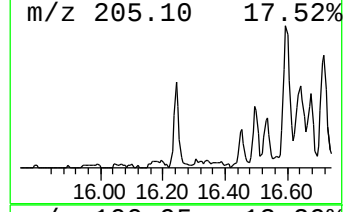
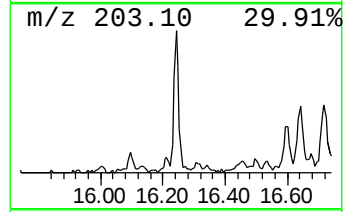
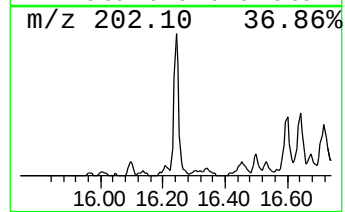
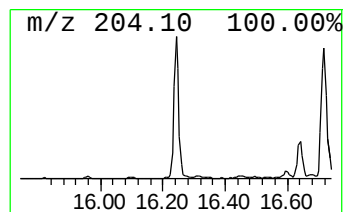
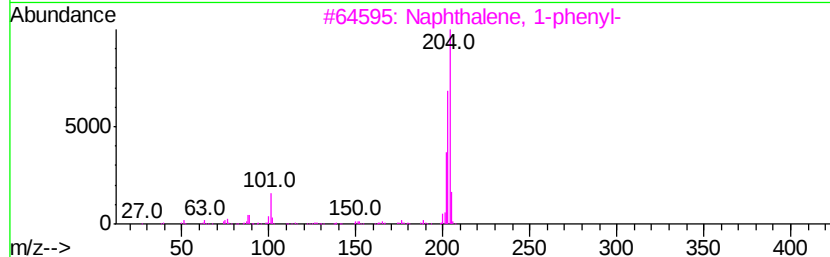
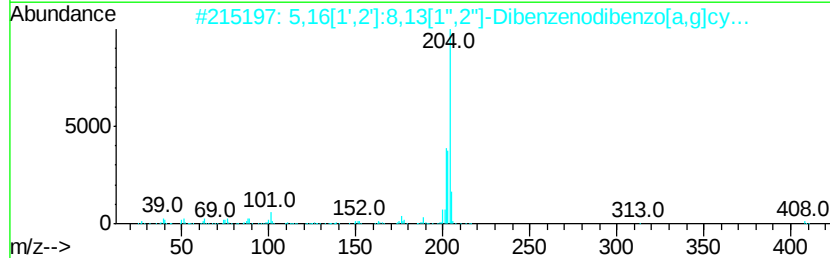
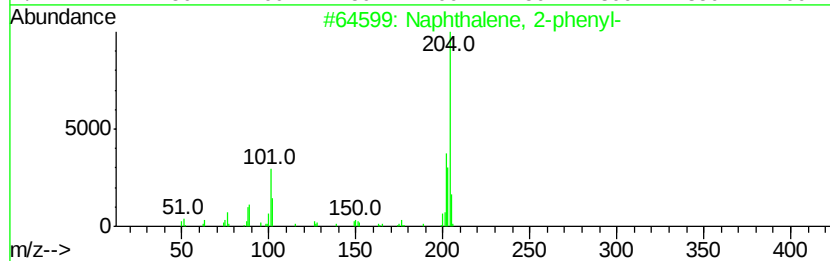
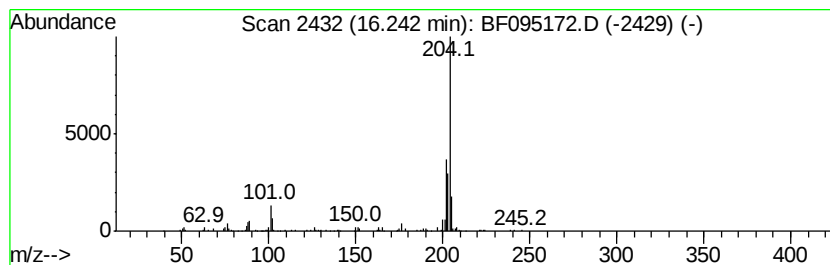
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	8.85 ng	256500	Phenanthrene-d10	15.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2		5,16[1',2']: ⁸ ,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
4		Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	64
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051617\
Data File : BF095172.D
Acq On : 16 May 2017 23:43
Operator : SJ/MA
Sample : I3170-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleID :
POSTEX-33-20170515

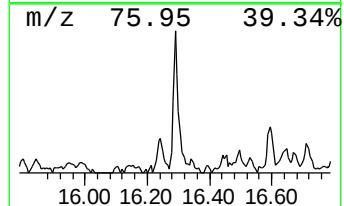
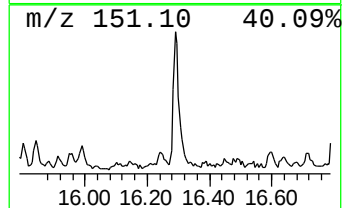
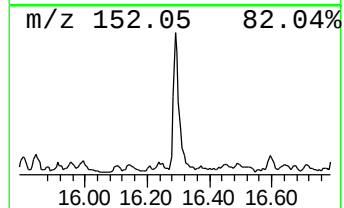
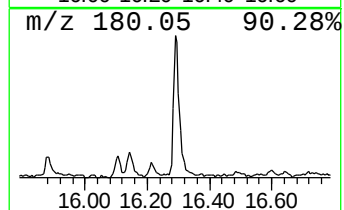
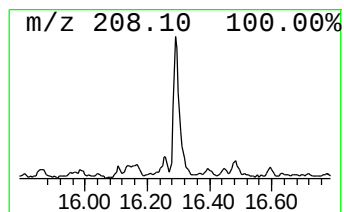
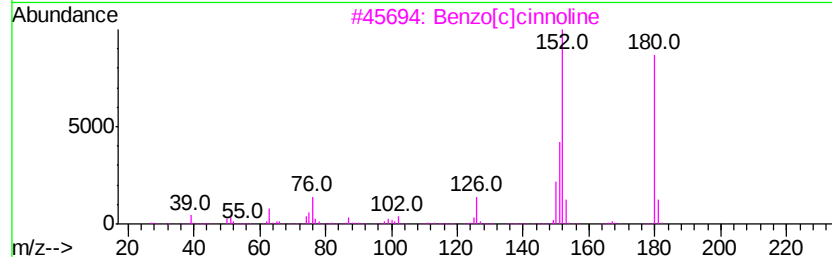
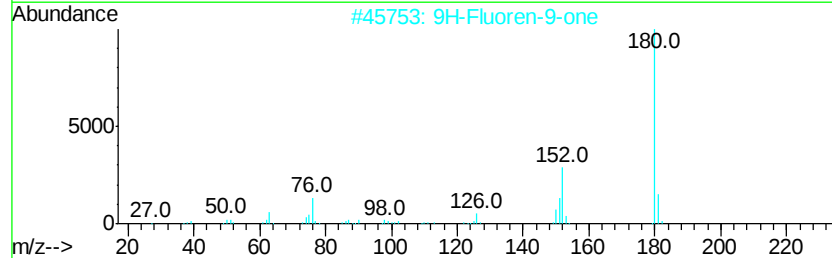
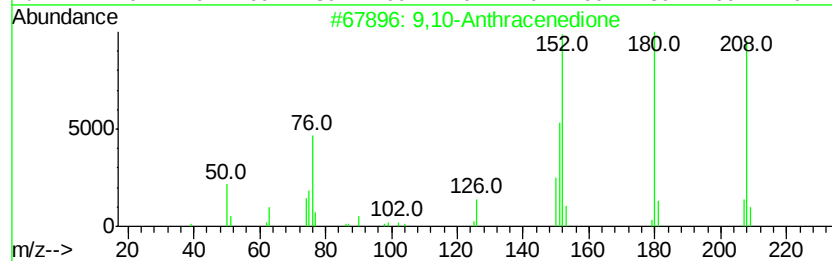
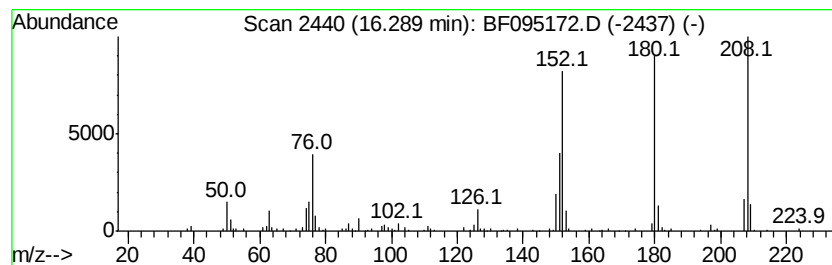
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	9.01 ng	261080	Phenanthrene-d10	15.02

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2			9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
3			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	58
4			1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5			9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051617\
Data File : BF095172.D
Acq On : 16 May 2017 23:43
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Sample : I3170-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

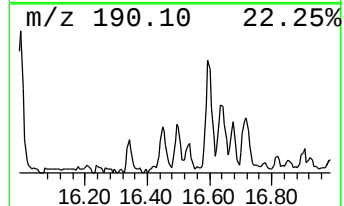
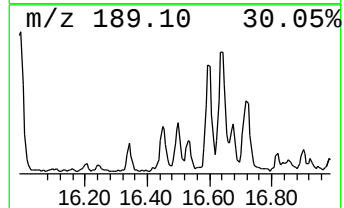
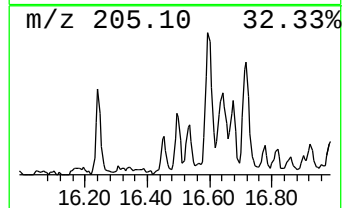
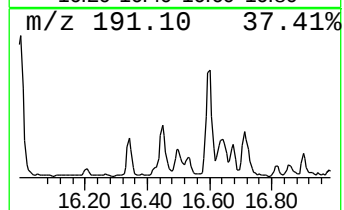
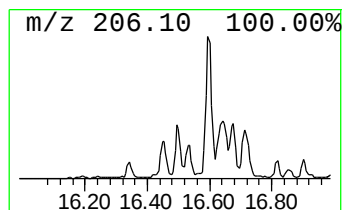
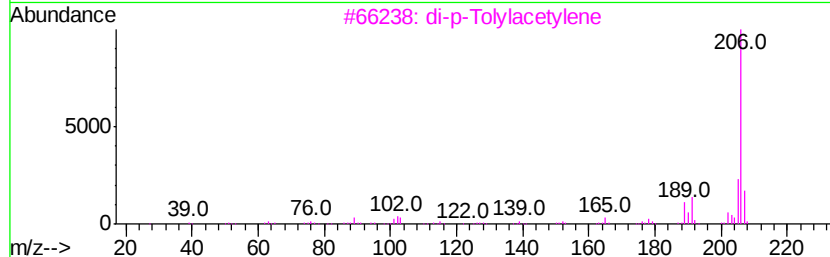
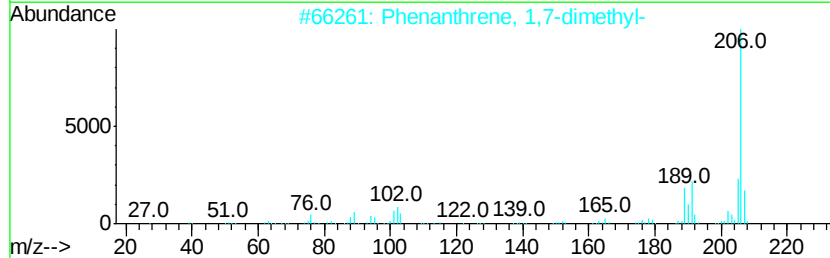
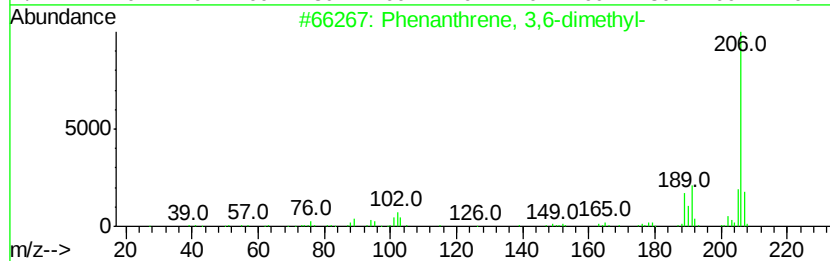
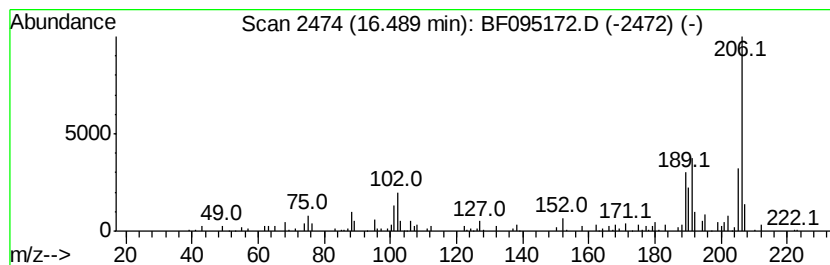
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BNA_F
ClientSampleId :
POSTEX-33-20170515

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 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.
16.49	4.11 ng	119047	Phenanthrene-d10		15.02
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	80
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	68



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051617\
Data File : BF095172.D
Acq On : 16 May 2017 23:43
Operator : SJ/MA
Sample : I3170-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

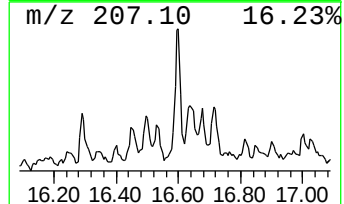
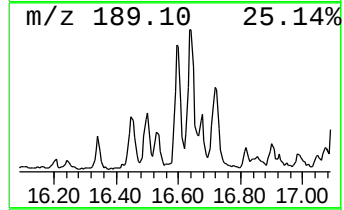
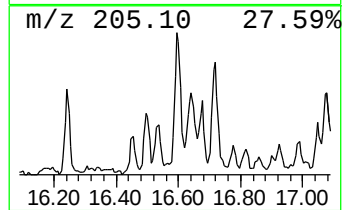
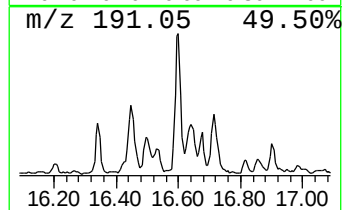
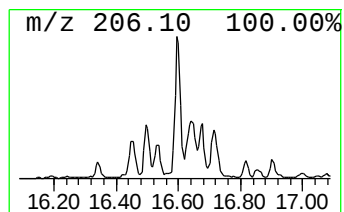
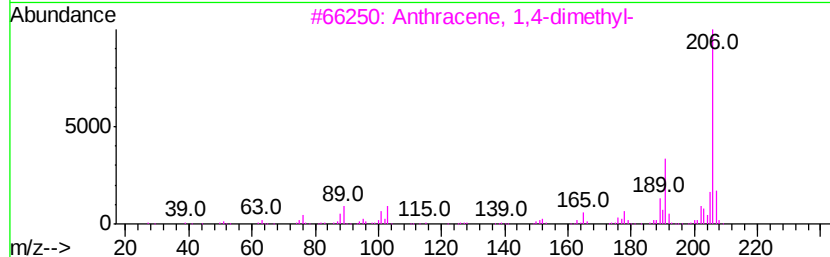
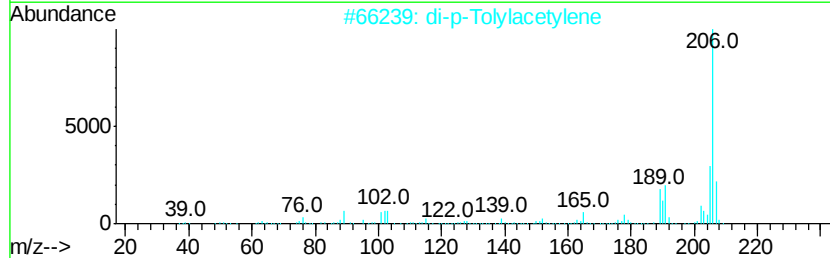
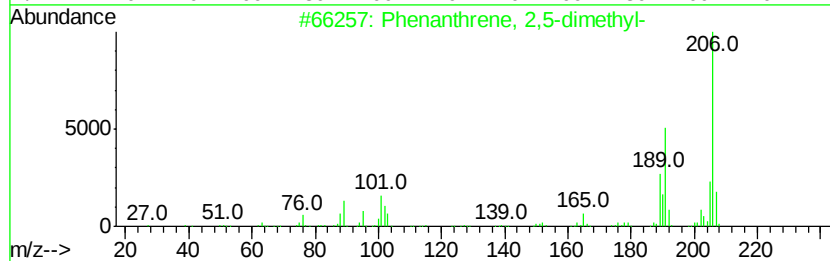
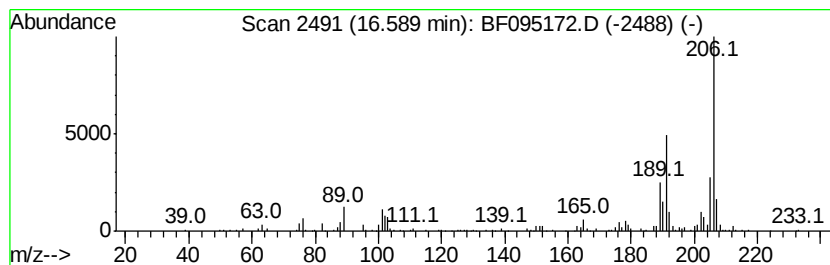
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ClientSampleId :
POSTEX-33-20170515

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 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.	
16.59	12.78 ng	370492	Phenanthrene-d10		15.02	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	96
3		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051617\
Data File : BF095172.D
Acq On : 16 May 2017 23:43
Operator : SJ/MA
Sample : I3170-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POSTEX-33-20170515

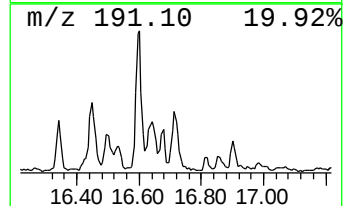
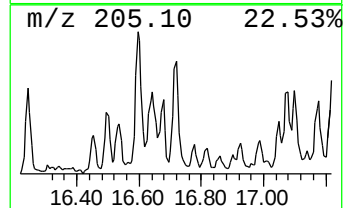
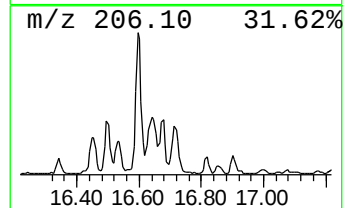
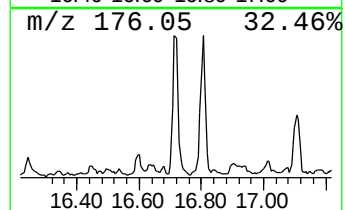
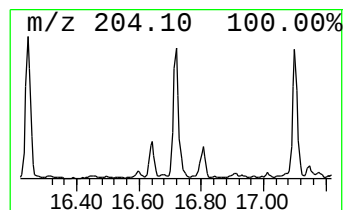
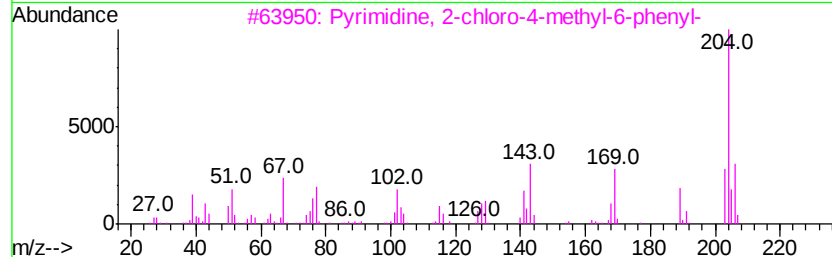
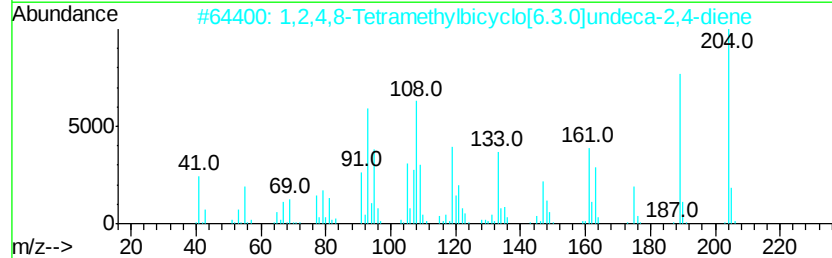
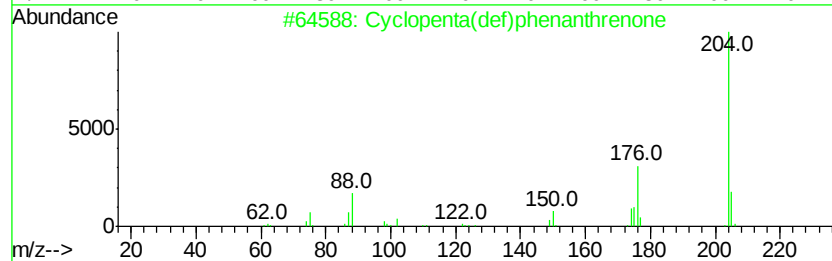
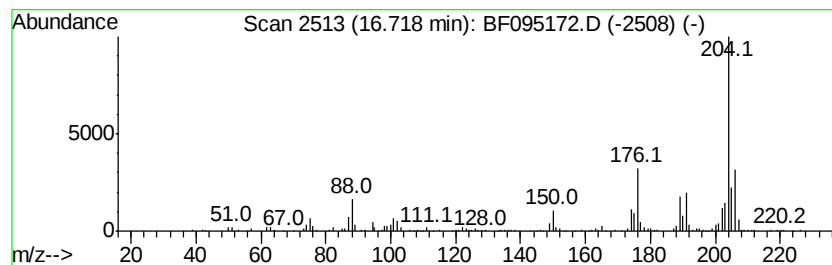
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	10.85 ng	314388	Phenanthrene-d10	15.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	55
3		Pyrimidine, 2-chloro-4-methyl-6-phenyl-	204	C11H9ClN2	032785-40-3	50
4		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
5		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051617\
Data File : BF095172.D
Acq On : 16 May 2017 23:43
Operator : SJ/MA
Sample : I3170-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

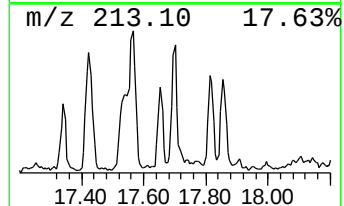
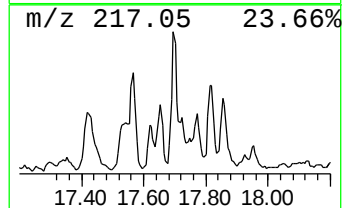
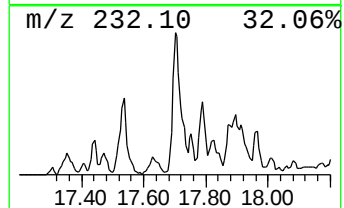
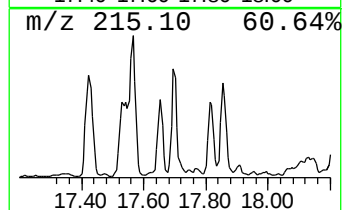
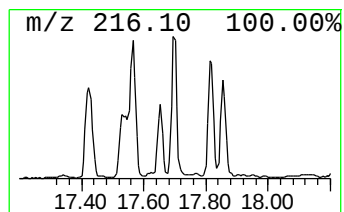
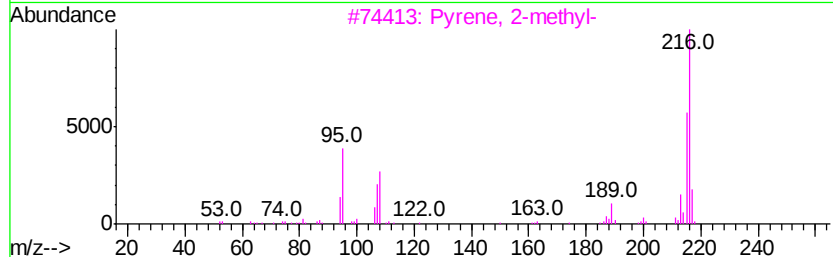
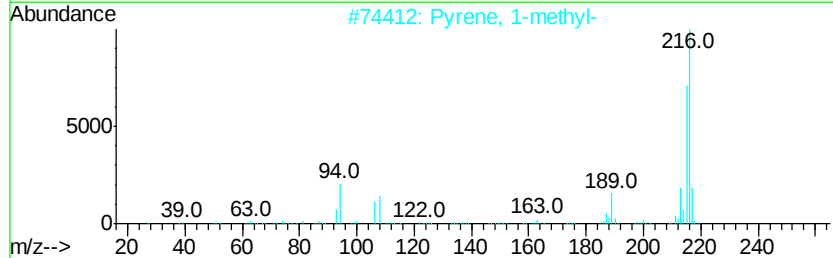
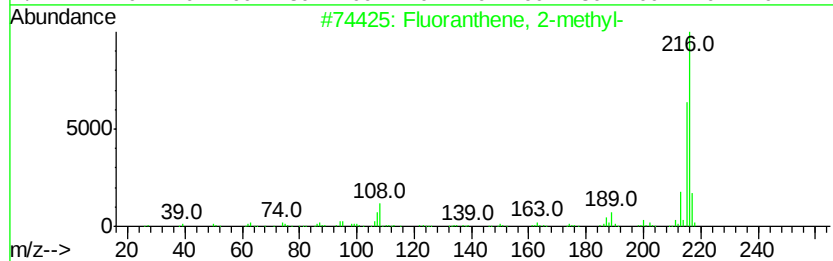
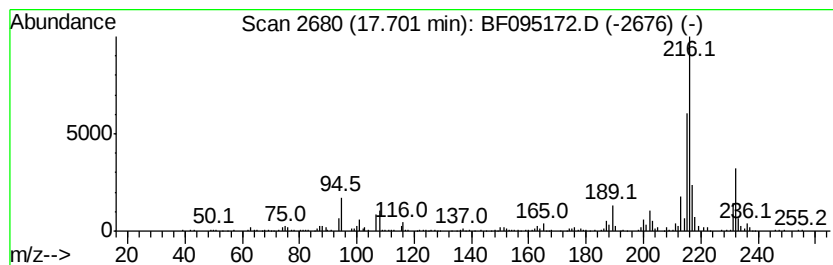
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ClientSampleId :
POSTEX-33-20170515

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 15 Fluoranthene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.70	8.41 ng	747849	Chrysene-d12	18.69		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3		Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4		11H-Benzo[alfluorene	216	C17H12	000238-84-6	64
5		Pyrene, 4-methyl-	216	C17H12	003353-12-6	60



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051617\
Data File : BF095172.D
Acq On : 16 May 2017 23:43
Operator : SJ/MA
Sample : I3170-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
POSTEX-33-20170515

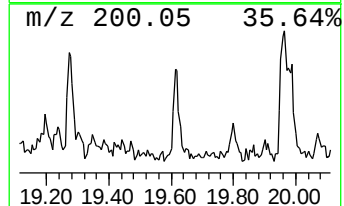
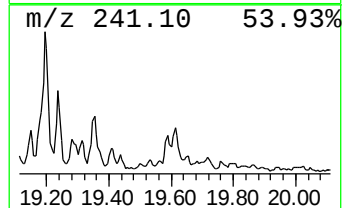
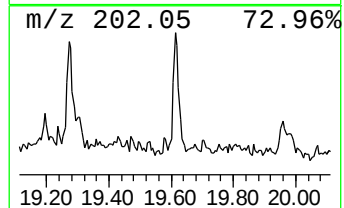
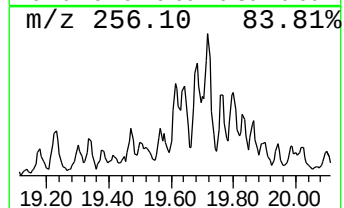
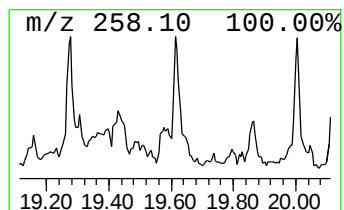
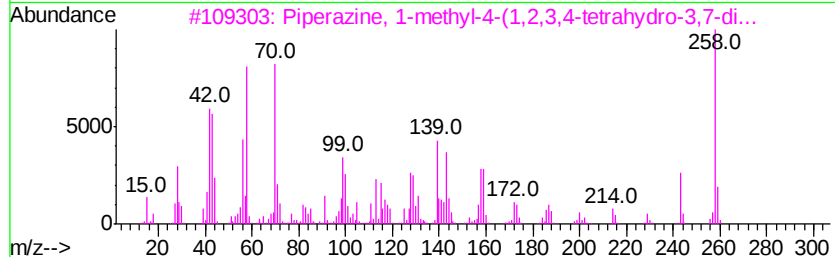
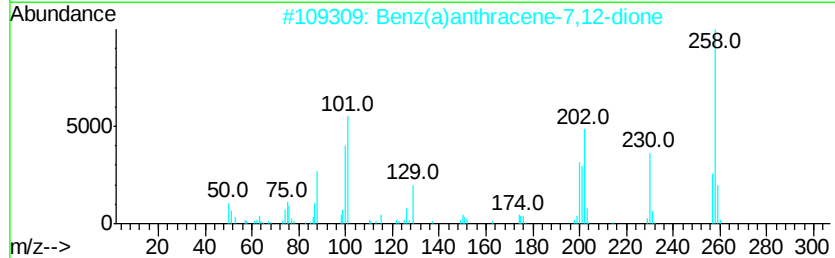
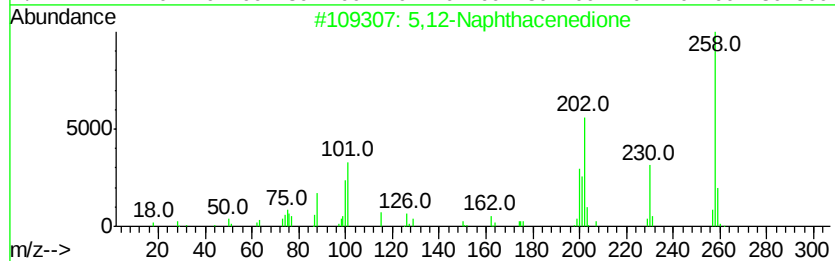
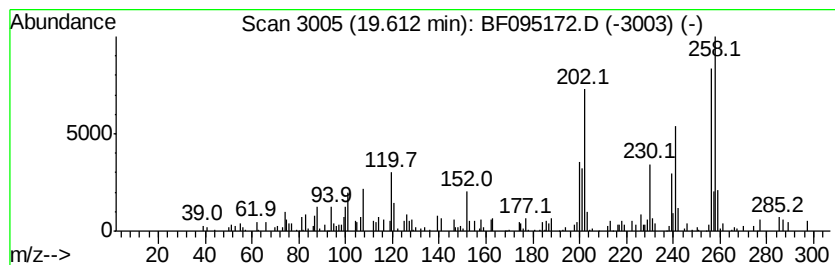
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 5,12-Naphthacenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.61	7.74 ng	134354	Perylene-d12	20.37

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5,12-Naphthacenedione	258	C18H10O2	001090-13-7	86
2			Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	60
3			Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	56
4			3-[(2-Methyl-5-nitro-phenyl)imino...	256	C14H12N2O3	1000297-24-5	53
5			Chrysene, 5-ethyl-	256	C20H16	054986-62-8	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051617\
Data File : BF095172.D
Acq On : 16 May 2017 23:43
Operator : SJ/MA
Sample : I3170-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
POSTEX-33-20170515

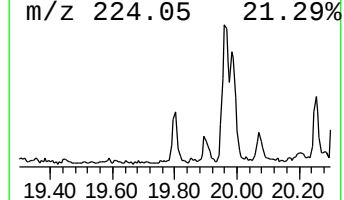
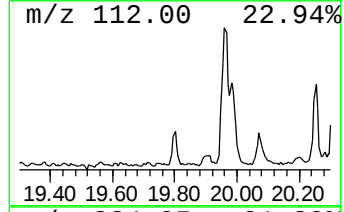
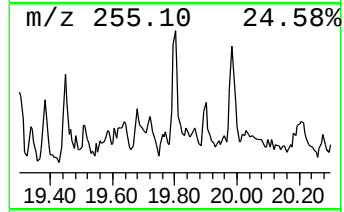
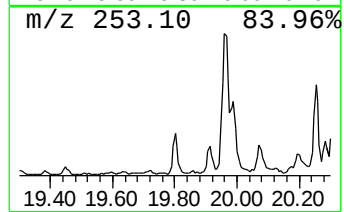
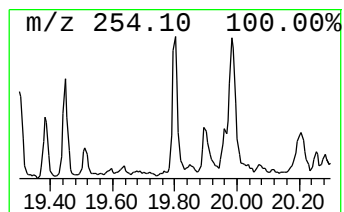
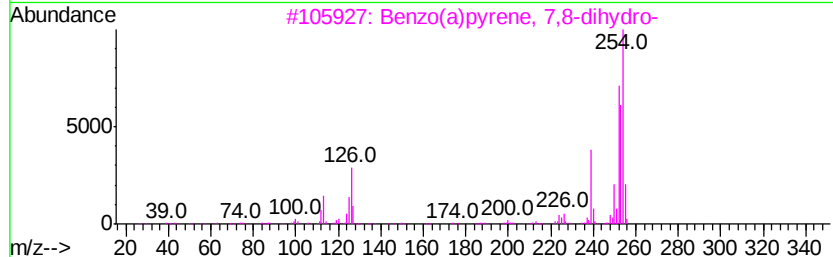
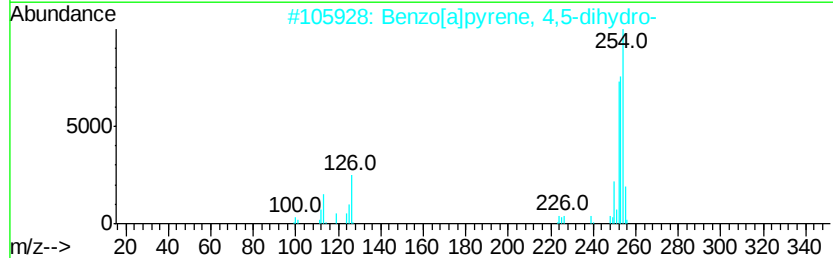
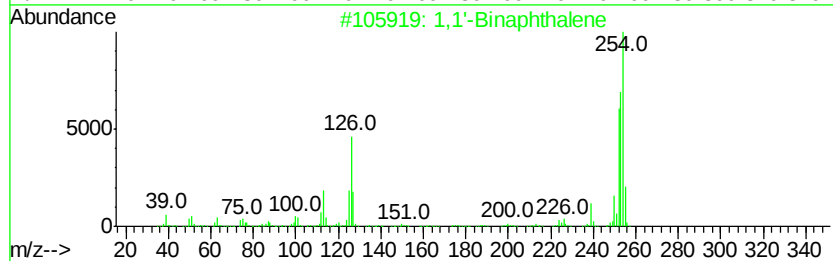
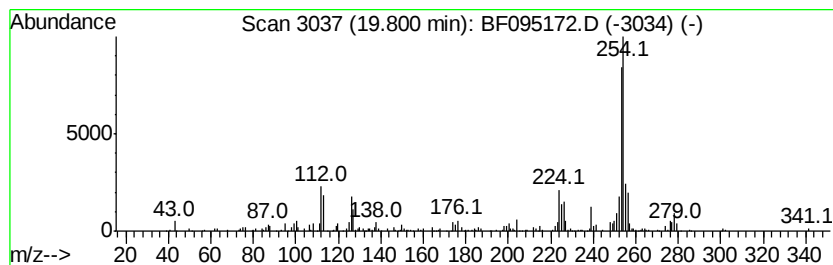
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 1,1'-Binaphthalene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	10.15 ng	176175	Perylene-d12	20.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Binaphthalene	254	C20H14	000604-53-5	70
2		Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	70
3		Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	70
4		9,10[1',2'l-Benzoanthracene, 9...	254	C20H14	000477-75-8	62
5		1,2'-Binaphthalene	254	C20H14	004325-74-0	62



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051617\
Data File : BF095172.D
Acq On : 16 May 2017 23:43
Operator : SJ/MA
Sample : I3170-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
POSTEX-33-20170515

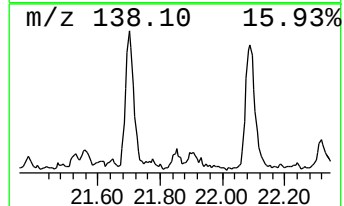
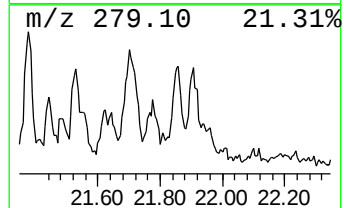
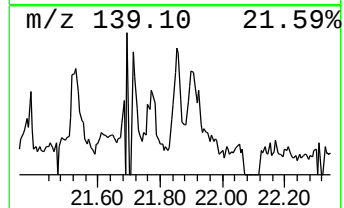
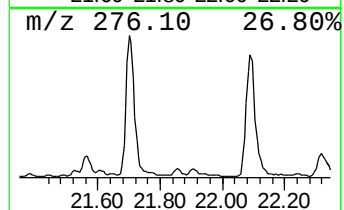
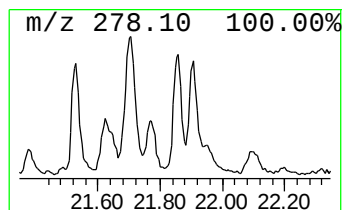
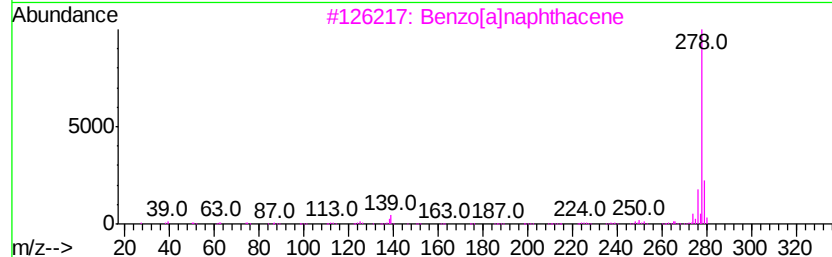
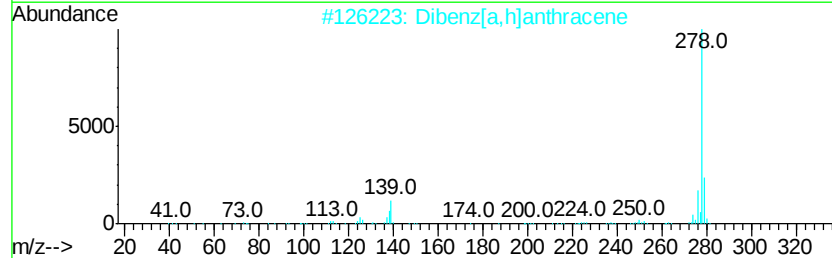
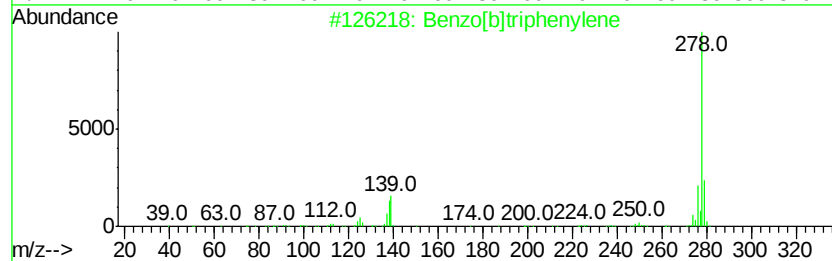
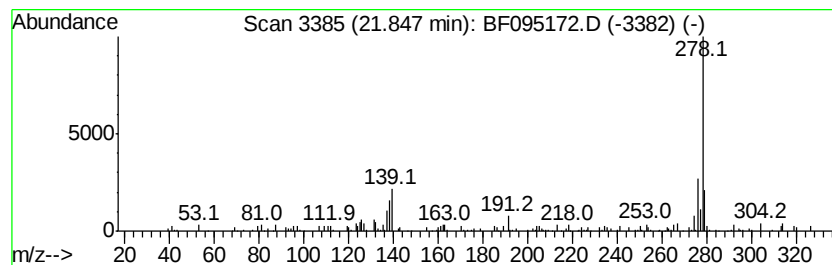
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[b]triphenylene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.85	4.90 ng	85082	Perylene-d12	20.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	90
2		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	90
3		Benzo[a]naphthacene	278	C22H14	000226-88-0	76
4		Benzo[b]chrysene	278	C22H14	000214-17-5	76
5		Pentacene	278	C22H14	000135-48-8	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051617\
 Data File : BF095172.D
 Acq On : 16 May 2017 23:43
 Operator : SJ/MA
 Sample : I3170-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-33-20170515

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...	5.13	14.1	ng	395740	1	7.78	561973	20.0
unknown7.44	7.44	86.9	ng	2441100	1	7.78	561973	20.0
Phenanthrene, 2-m...	15.80	13.3	ng	386549	4	15.02	579706	20.0
Phenanthrene, 1-m...	15.84	16.2	ng	468680	4	15.02	579706	20.0
Anthracene, 1-met...	15.91	4.7	ng	135145	4	15.02	579706	20.0
4H-Cyclopenta[def...	15.95	19.1	ng	552532	4	15.02	579706	20.0
Anthracene, 2-met...	15.99	14.8	ng	428549	4	15.02	579706	20.0
Naphthalene, 2-ph...	16.24	8.8	ng	256500	4	15.02	579706	20.0
9,10-Anthracenedione	16.29	9.0	ng	261080	4	15.02	579706	20.0
Phenanthrene, 3,6...	16.49	4.1	ng	119047	4	15.02	579706	20.0
Phenanthrene, 2,5...	16.59	12.8	ng	370492	4	15.02	579706	20.0
Cyclopenta(def)ph...	16.72	10.9	ng	314388	4	15.02	579706	20.0
Fluoranthene, 2-m...	17.70	8.4	ng	747849	5	18.69	1777630	20.0
5,12-Naphthacened...	19.61	7.7	ng	134354	6	20.37	347109	20.0
1,1'-Binaphthalene	19.80	10.2	ng	176175	6	20.37	347109	20.0
Benzo[b]triphenylene	21.85	4.9	ng	85082	6	20.37	347109	20.0