

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050417\
 Data File : BF094893.D
 Acq On : 5 May 2017 1:27
 Operator : SJ/MA
 Sample : I2953-03 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP7-8-COMP

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	5.666	630	634	656	rBV	183813	359575	4.10%	0.393%
2	7.260	902	905	921	rVB	188088	351125	4.00%	0.384%
3	7.378	921	925	934	rVV	270793	417536	4.76%	0.457%
4	7.719	978	983	993	rBV	410220	494671	5.64%	0.541%
5	7.954	1019	1023	1027	rBV	282341	327280	3.73%	0.358%
6	8.613	1128	1135	1142	rBV	175158	261145	2.98%	0.286%
7	9.078	1209	1214	1225	rBV	250716	370090	4.22%	0.405%
8	9.736	1321	1326	1329	rBV	622328	732491	8.35%	0.801%
9	9.772	1329	1332	1339	rVV	1322184	1511355	17.24%	1.653%
10	10.130	1387	1393	1401	rBV	171060	219347	2.50%	0.240%
11	10.213	1401	1407	1416	rVV	166161	224304	2.56%	0.245%
12	10.895	1516	1523	1529	rBV2	536063	724414	8.26%	0.792%
13	11.048	1541	1549	1555	rBV	540498	675209	7.70%	0.738%
14	11.513	1624	1628	1634	rVB	445407	495625	5.65%	0.542%
15	11.913	1693	1696	1703	rVB2	140861	285423	3.26%	0.312%
16	12.036	1712	1717	1721	rVV	286810	405276	4.62%	0.443%
17	12.077	1721	1724	1733	rVB	174033	232747	2.65%	0.254%
18	12.224	1742	1749	1762	rBV2	160834	388200	4.43%	0.424%
19	12.348	1765	1770	1781	rVB3	139861	264282	3.01%	0.289%
20	12.566	1798	1807	1812	rBV3	633074	949679	10.83%	1.038%
21	12.618	1812	1816	1822	rVV	1102915	1381289	15.75%	1.510%
22	12.907	1860	1865	1869	rBV	766390	962009	10.97%	1.052%
23	13.465	1954	1960	1969	rVB	1190652	1442093	16.45%	1.577%
24	13.554	1969	1975	1976	rBV2	150447	223495	2.55%	0.244%
25	13.571	1976	1978	1981	rVV	201830	236713	2.70%	0.259%
26	13.601	1981	1983	1987	rVV2	239314	259665	2.96%	0.284%
27	13.736	2002	2006	2011	rVV	336024	439420	5.01%	0.480%
28	13.865	2023	2028	2036	rBV	517585	849230	9.69%	0.929%
29	14.365	2106	2113	2116	rBV	252555	444122	5.07%	0.486%
30	14.407	2116	2120	2126	rVB4	164950	250503	2.86%	0.274%
31	14.595	2147	2152	2155	rBV3	198236	323165	3.69%	0.353%
32	14.683	2163	2167	2174	rVB	475638	656230	7.48%	0.718%
33	14.765	2174	2181	2184	rBV3	235359	460209	5.25%	0.503%
34	14.801	2184	2187	2192	rVB	535103	678307	7.74%	0.742%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.977	2212	2217	2219	rBV	420299	671908	7.66%	0.735%
36	15.042	2219	2228	2231	rVV	4406097	8767616	100.00%	9.587%
37	15.107	2231	2239	2242	rVV	2129169	2857163	32.59%	3.124%
38	15.212	2254	2257	2261	rVB	196919	238610	2.72%	0.261%
39	15.324	2272	2276	2279	rBV	188310	223041	2.54%	0.244%
40	15.377	2279	2285	2290	rBV2	734731	1084251	12.37%	1.186%
41	15.459	2296	2299	2302	rBV2	200803	230386	2.63%	0.252%
42	15.489	2302	2304	2308	rVV2	161824	204193	2.33%	0.223%
43	15.618	2322	2326	2330	rVB3	157023	234579	2.68%	0.256%
44	15.754	2345	2349	2353	rBV	1026517	1196642	13.65%	1.308%
45	15.795	2353	2356	2364	rVB	1197568	1555580	17.74%	1.701%
46	15.865	2364	2368	2371	rBV	555189	614216	7.01%	0.672%
47	15.906	2371	2375	2379	rVV2	1362060	1870146	21.33%	2.045%
48	15.948	2379	2382	2386	rVB	848203	914775	10.43%	1.000%
49	16.195	2420	2424	2428	rVV	753721	930983	10.62%	1.018%
50	16.236	2428	2431	2438	rVB	413118	526918	6.01%	0.576%
51	16.401	2456	2459	2464	rBV	212485	305530	3.48%	0.334%
52	16.448	2464	2467	2471	rVV	183094	206923	2.36%	0.226%
53	16.554	2480	2485	2488	rBV	558576	785332	8.96%	0.859%
54	16.595	2488	2492	2496	rVB3	264984	341315	3.89%	0.373%
55	16.671	2501	2505	2511	rBV	488882	705903	8.05%	0.772%
56	16.783	2515	2524	2526	rBV	3954818	7332129	83.63%	8.017%
57	16.853	2532	2536	2539	rBV2	312913	379310	4.33%	0.415%
58	16.895	2539	2543	2549	rVB3	123446	252407	2.88%	0.276%
59	16.953	2549	2553	2561	rBV3	298797	571083	6.51%	0.624%
60	17.071	2566	2573	2577	rVV3	3860448	7127707	81.30%	7.793%
61	17.142	2580	2585	2588	rVB2	317097	413216	4.71%	0.452%
62	17.242	2598	2602	2605	rBV	373295	418826	4.78%	0.458%
63	17.295	2605	2611	2617	rVB2	453704	776599	8.86%	0.849%
64	17.377	2621	2625	2629	rVB	364823	477916	5.45%	0.523%
65	17.418	2629	2632	2636	rVB	149568	202702	2.31%	0.222%
66	17.489	2638	2644	2646	rBV3	339069	655519	7.48%	0.717%
67	17.518	2646	2649	2654	rVB	847151	966833	11.03%	1.057%
68	17.606	2660	2664	2667	rVB	505676	590150	6.73%	0.645%
69	17.648	2667	2671	2675	rBV2	753095	1009714	11.52%	1.104%
70	17.765	2688	2691	2694	rVB	417632	393612	4.49%	0.430%
71	17.806	2694	2698	2701	rBV	327473	370988	4.23%	0.406%

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72	18.189	2760	2763	2769	rVV	475106	539557	6.15%	0.590%
73	18.318	2781	2785	2788	rBV2	467223	720280	8.22%	0.788%
74	18.353	2788	2791	2793	rVV	542116	614882	7.01%	0.672%
75	18.377	2793	2795	2798	rVV	416748	454211	5.18%	0.497%
76	18.412	2798	2801	2806	rVV2	334361	423057	4.83%	0.463%
77	18.465	2806	2810	2814	rVB	462515	527429	6.02%	0.577%
78	18.642	2833	2840	2843	rBV2	2296551	4001424	45.64%	4.375%
79	18.689	2843	2848	2851	rVB2	2299651	3314580	37.80%	3.624%
80	18.771	2858	2862	2866	rBV2	400748	464471	5.30%	0.508%
81	18.912	2883	2886	2889	rVV3	303856	341460	3.89%	0.373%
82	18.953	2890	2893	2899	rVB	299216	393866	4.49%	0.431%
83	19.147	2920	2926	2929	rVV	572655	845684	9.65%	0.925%
84	19.183	2929	2932	2936	rVB	271649	310190	3.54%	0.339%
85	19.259	2942	2945	2948	rVB2	253125	278147	3.17%	0.304%
86	19.294	2948	2951	2953	rBV3	197472	258829	2.95%	0.283%
87	19.742	3023	3027	3032	rBV2	239750	311087	3.55%	0.340%
88	19.918	3050	3057	3059	rBV	1921236	3442520	39.26%	3.764%
89	20.018	3070	3074	3078	rVB	434717	486157	5.54%	0.532%
90	20.200	3100	3105	3109	rBV	1227836	1624639	18.53%	1.776%
91	20.265	3111	3116	3120	rVB	1860225	2289214	26.11%	2.503%
92	20.312	3120	3124	3126	rBV	416659	416046	4.75%	0.455%
93	20.341	3126	3129	3132	rVB	505884	453689	5.17%	0.496%
94	21.436	3311	3315	3318	rBV2	122307	201914	2.30%	0.221%
95	21.606	3338	3344	3351	rVB	792985	1452101	16.56%	1.588%
96	21.753	3364	3369	3373	rBV	199610	405255	4.62%	0.443%
97	21.800	3374	3377	3383	rVB2	144610	269703	3.08%	0.295%
98	21.983	3402	3408	3416	rVB	578478	1105785	12.61%	1.209%
99	22.188	3439	3443	3457	rVB2	164900	413834	4.72%	0.452%
100	23.894	3727	3733	3744	rVB2	140019	396514	4.52%	0.434%

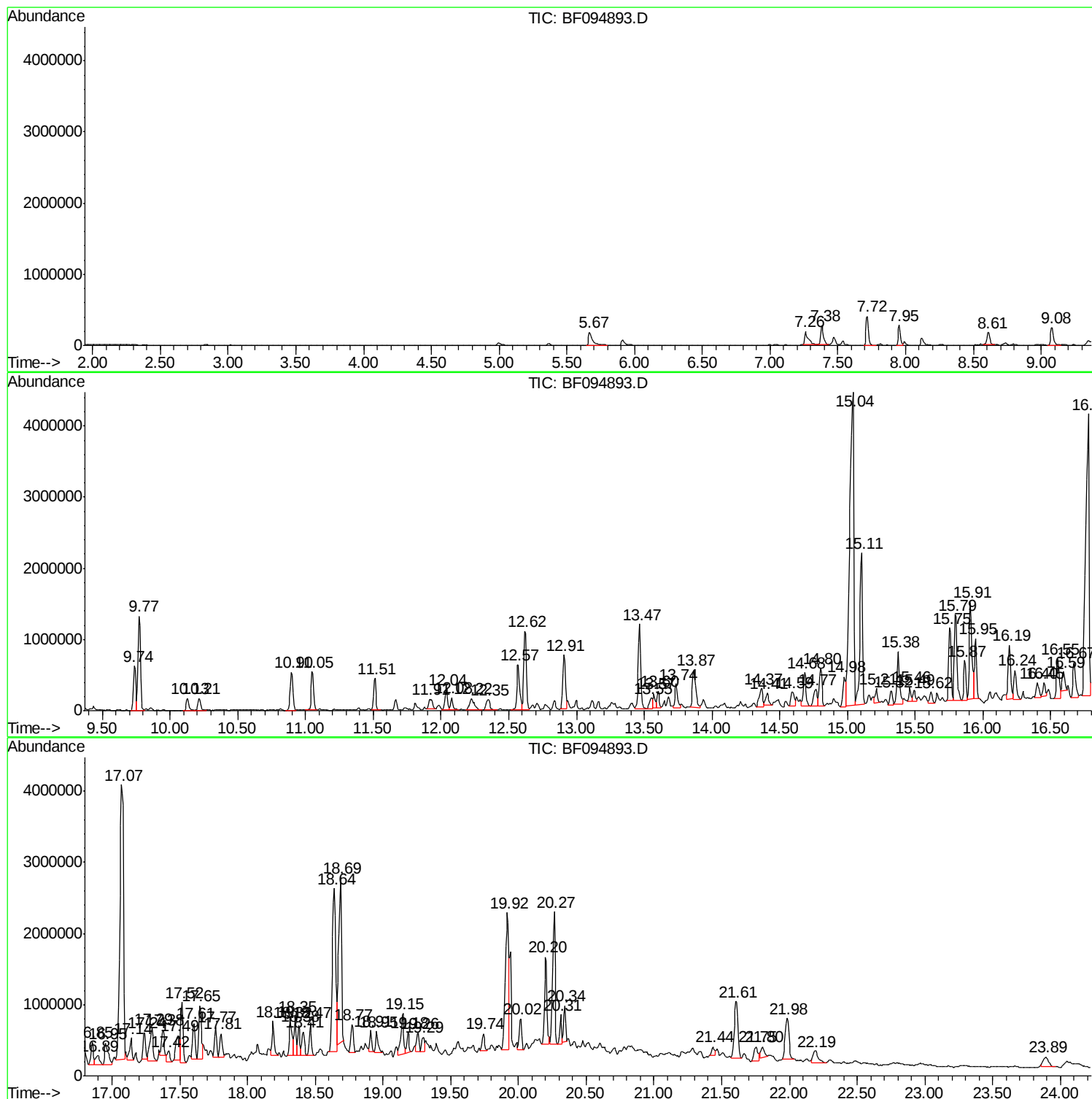
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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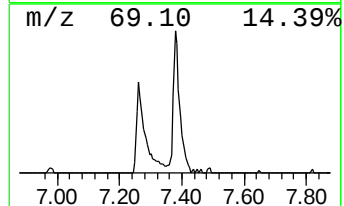
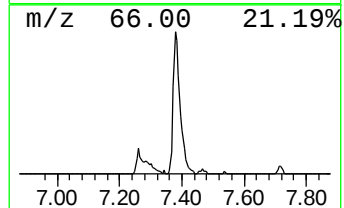
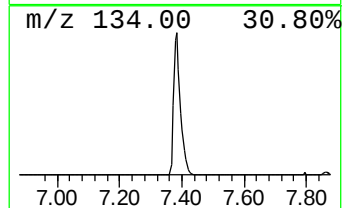
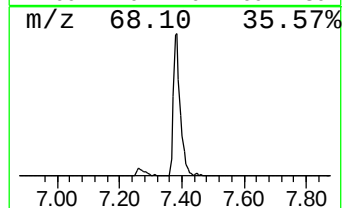
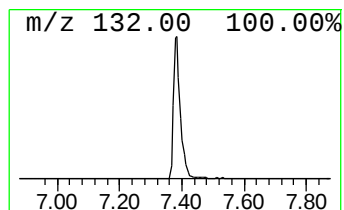
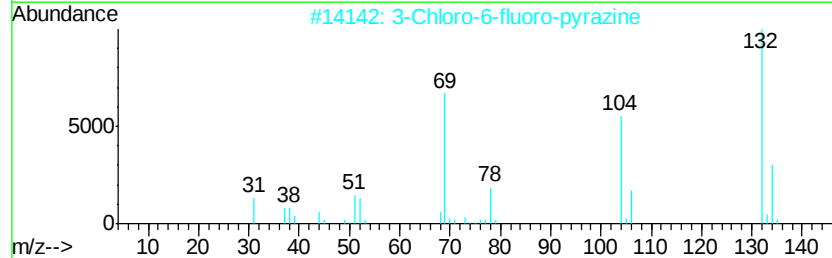
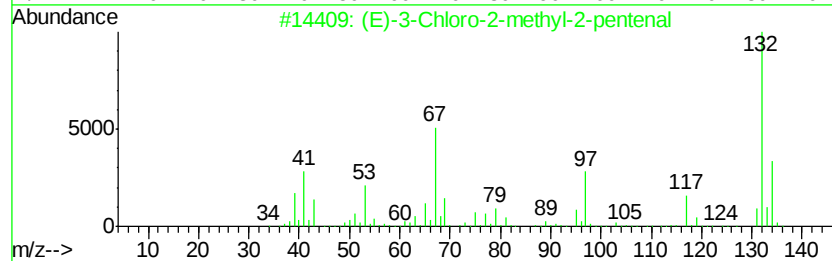
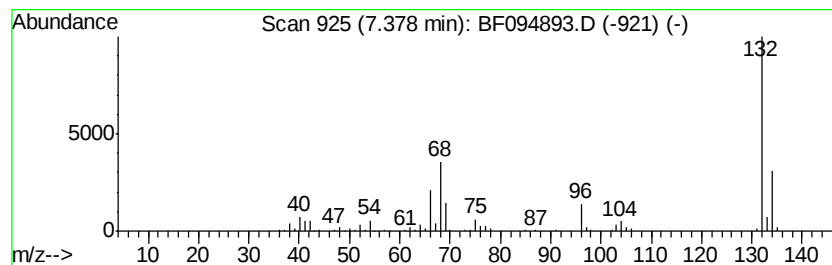
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 1 unknown7.38 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.38	16.88 ng	417536	1,4-Dichlorobenzene-d4	7.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	35
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9



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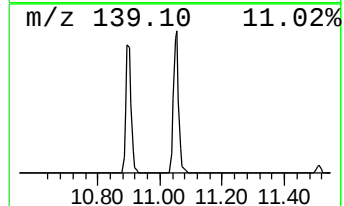
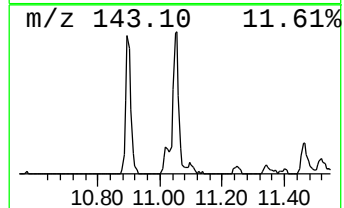
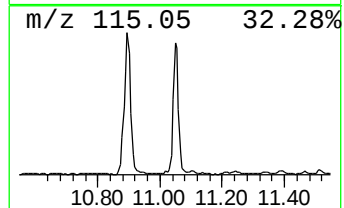
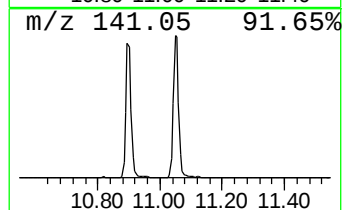
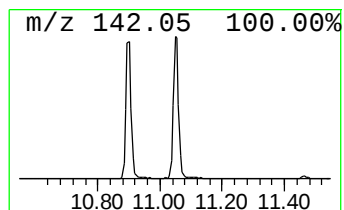
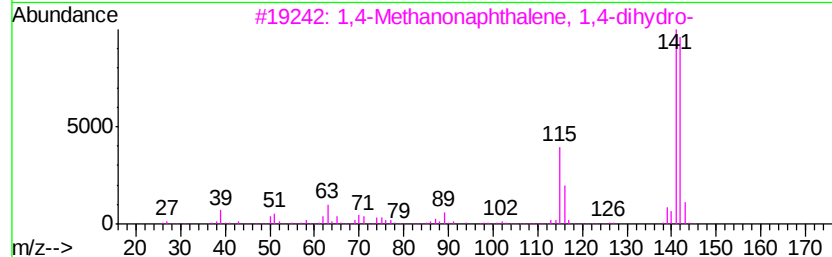
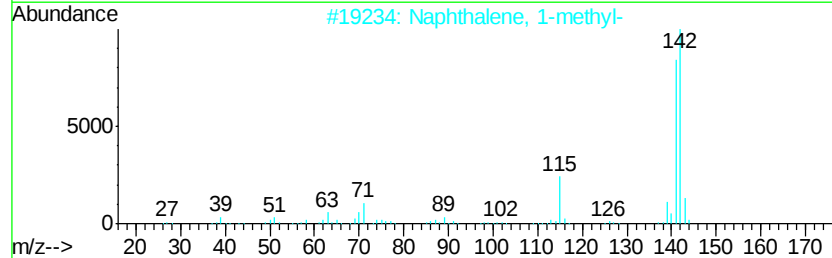
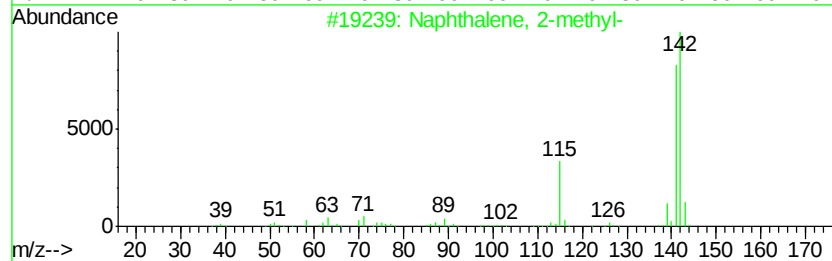
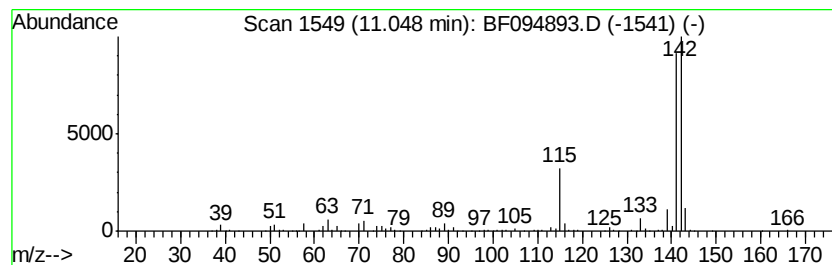
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 Naphthalene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.05	18.44 ng	675209	Naphthalene-d8	9.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
3		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4		Benzocycloheptatriene	142	C11H10	000264-09-5	91
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	46



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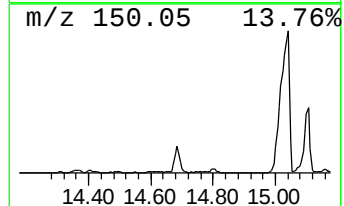
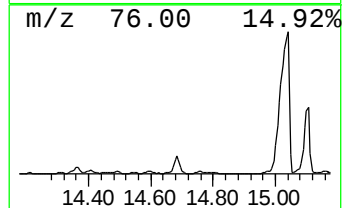
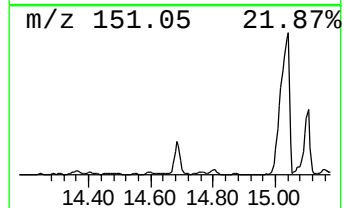
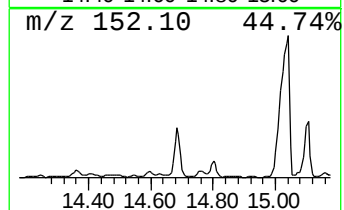
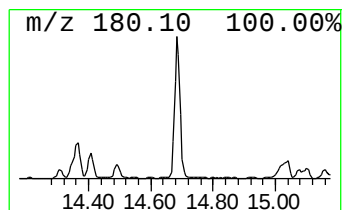
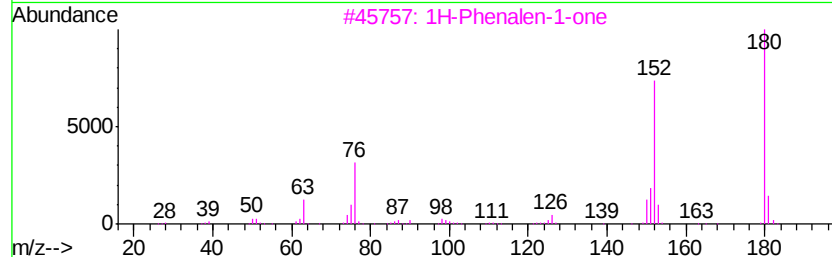
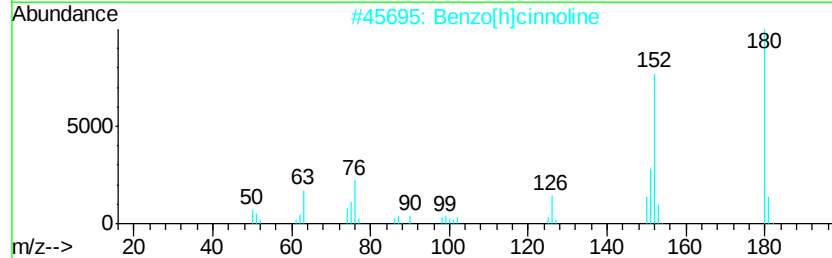
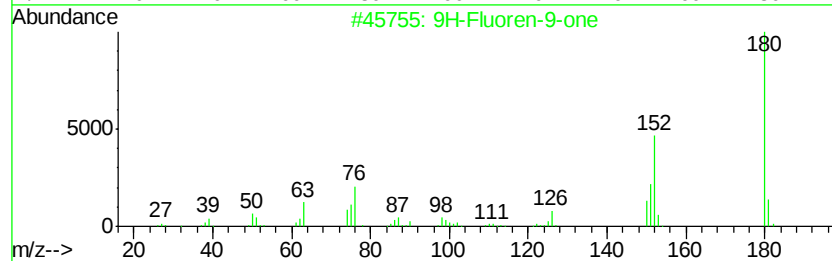
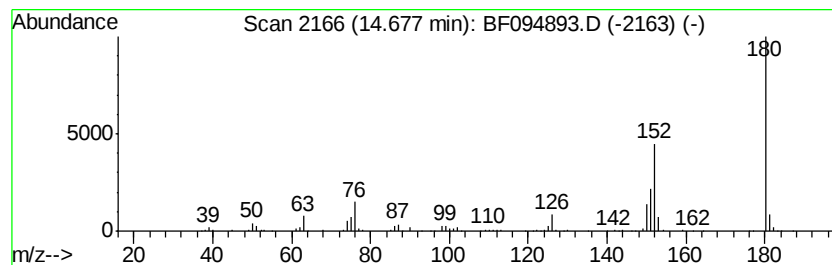
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Peak Number 3 9H-Fluoren-9-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.68	19.53 ng	656230	Phenanthrene-d10		14.98	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	86
3		1H-Phenalen-1-one	180	C13H8O	000548-39-0	72
4		2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	50
5		Benzaldehyde, 4-nitro-, O-methyl...	180	C8H8N2O3	033499-32-0	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050417\
Data File : BF094893.D
Acq On : 5 May 2017 1:27
Operator : SJ/MA
Sample : I2953-03 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP7-8-COMP

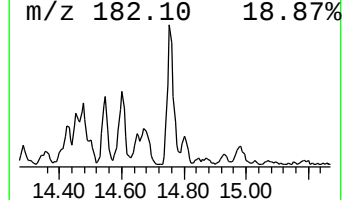
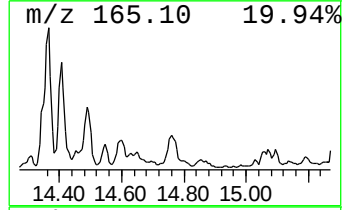
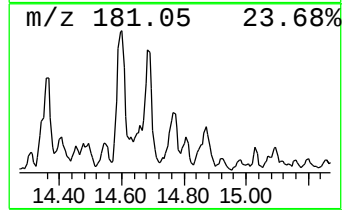
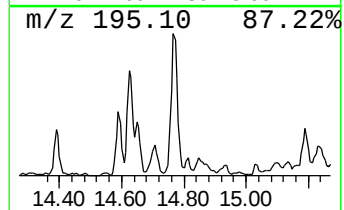
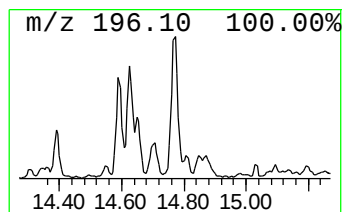
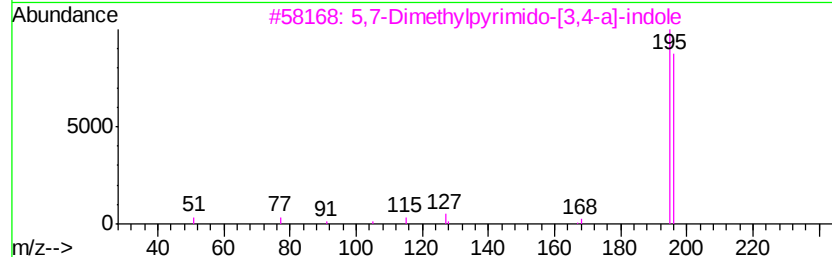
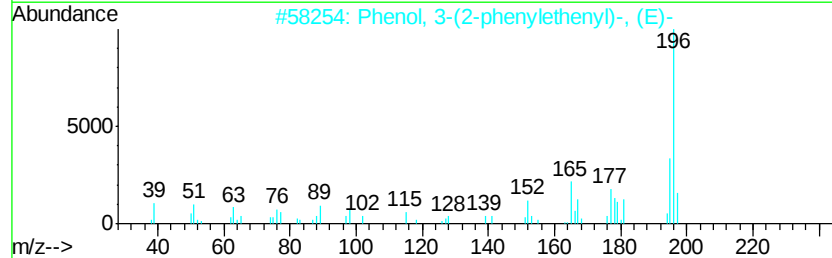
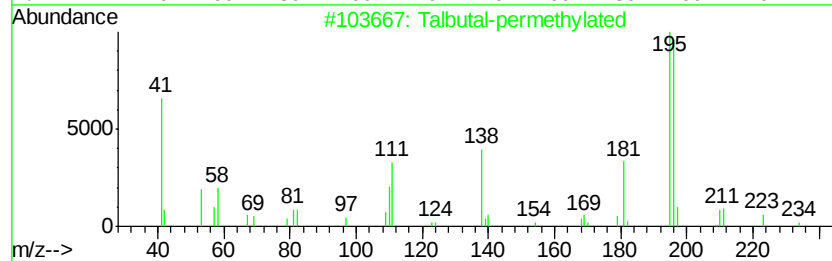
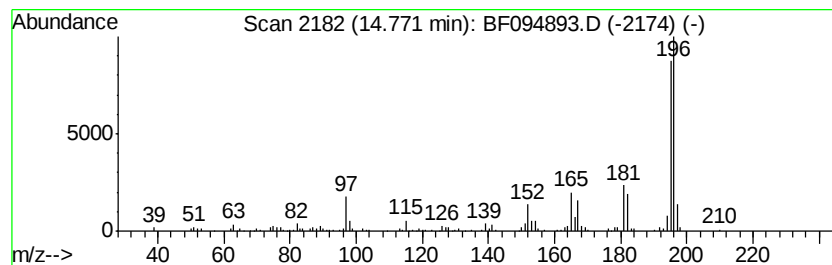
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Talbutal-permethyated Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	13.70 ng	460209	Phenanthrene-d10	14.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Talbutal-permethyated	252	C13H20N2O3	1000121-00-0	50
2		Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	46
3		5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	46
4		Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	43
5		Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050417\
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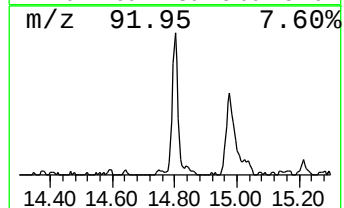
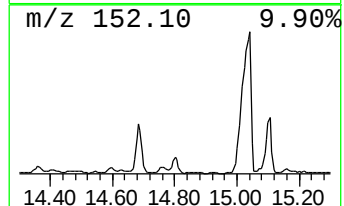
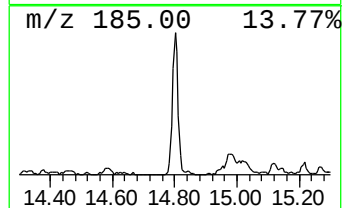
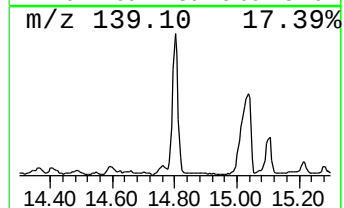
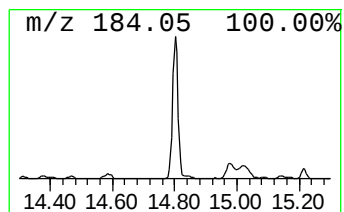
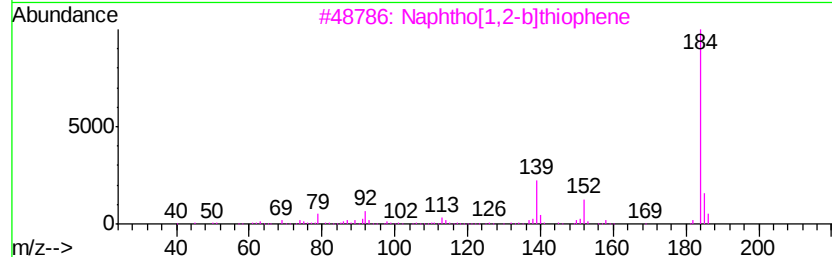
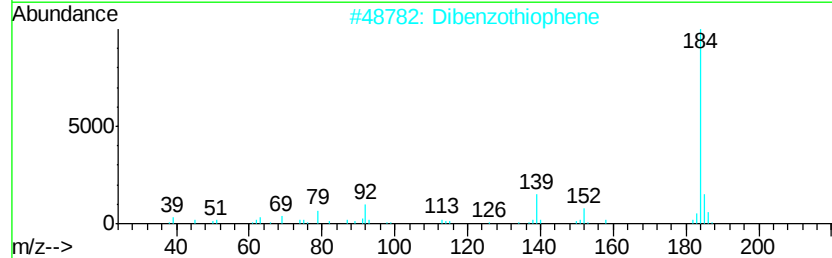
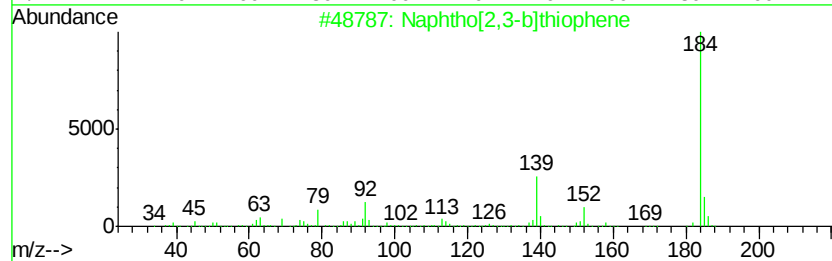
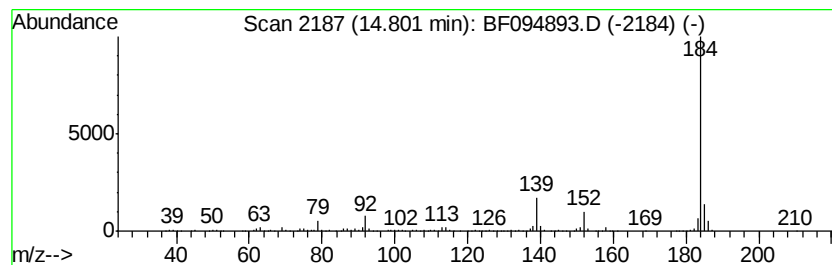
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphtho[2,3-b]thiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	20.19 ng	678307	Phenanthrene-d10	14.98

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
2		Dibenzothiophene	184	C12H8S	000132-65-0	96
3		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050417\
Data File : BF094893.D
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Operator : SJ/MA
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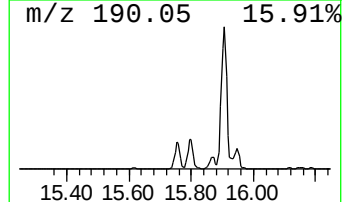
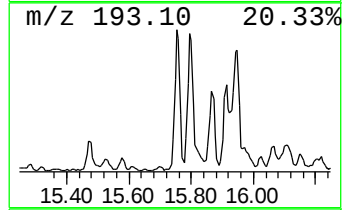
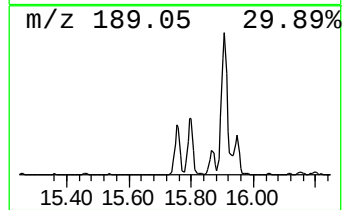
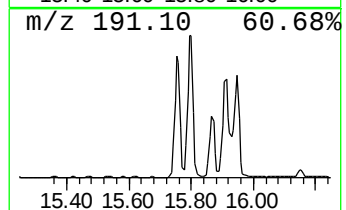
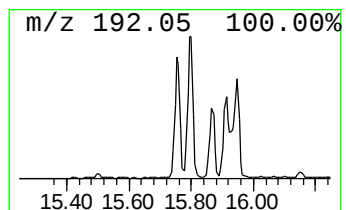
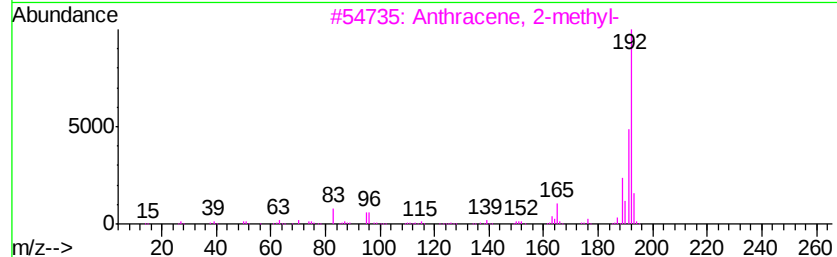
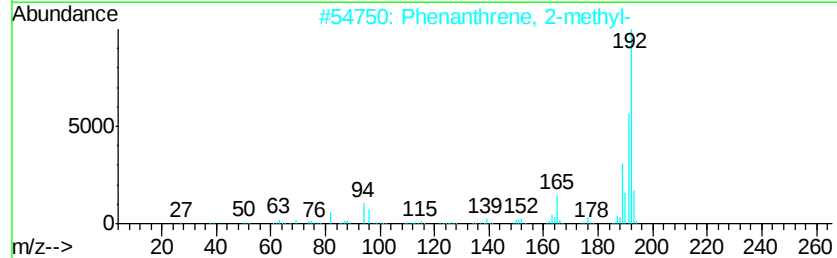
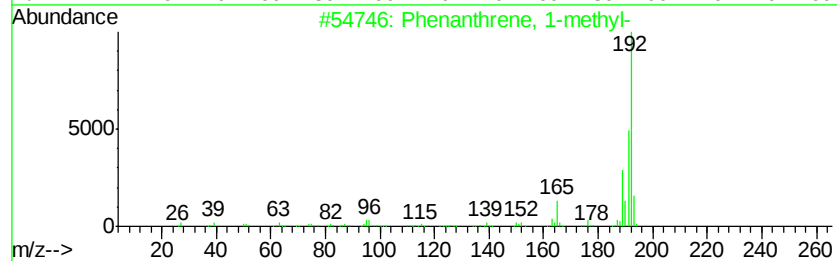
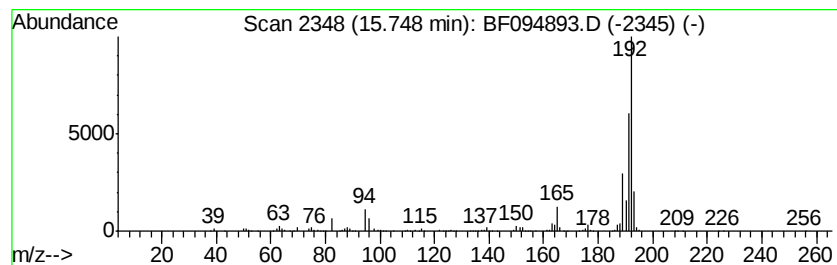
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.75	35.62 ng	1196640	Phenanthrene-d10	14.98	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050417\
Data File : BF094893.D
Acq On : 5 May 2017 1:27
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ALS Vial : 21 Sample Multiplier: 1

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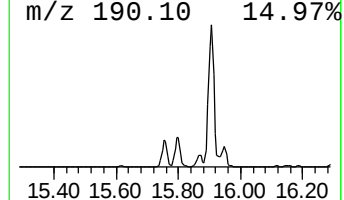
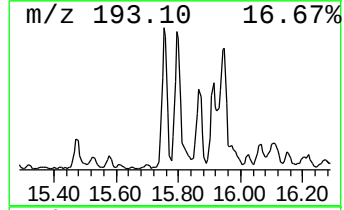
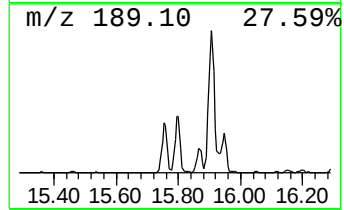
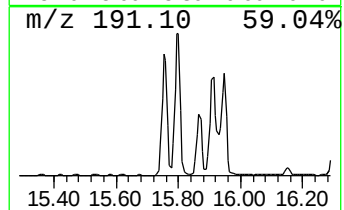
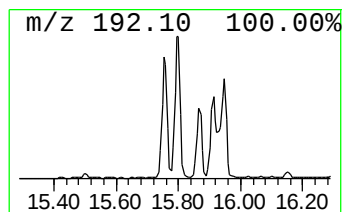
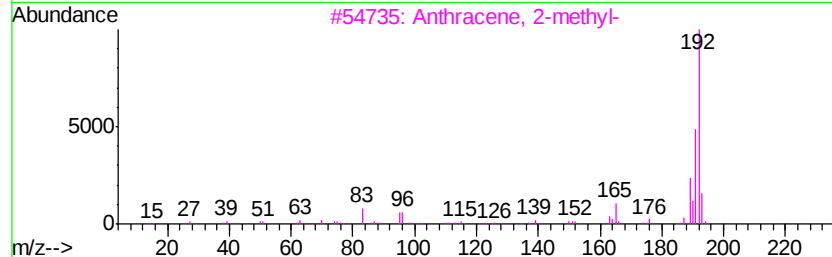
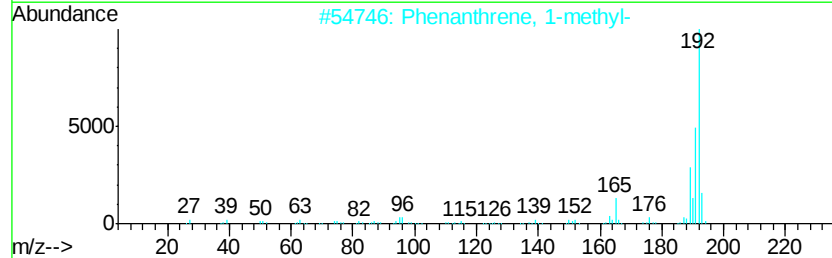
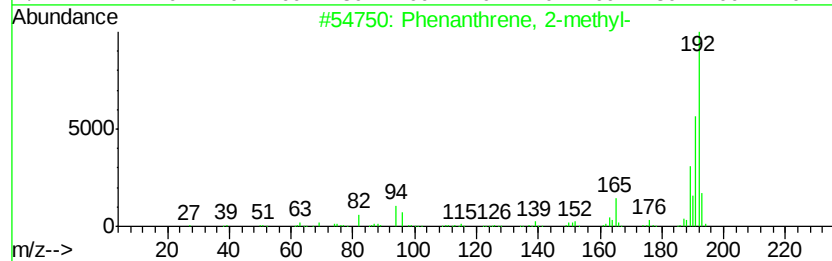
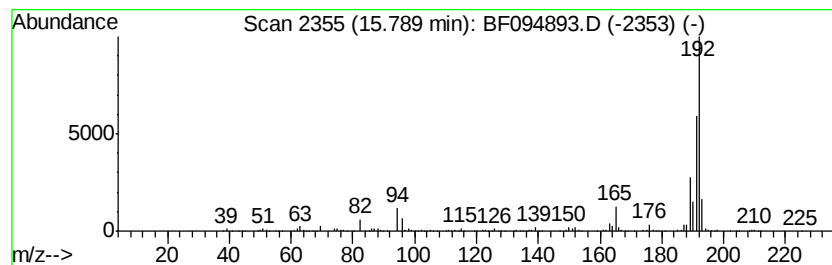
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	46.30 ng	1555580	Phenanthrene-d10	14.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95
5		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050417\
Data File : BF094893.D
Acq On : 5 May 2017 1:27
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Misc :
ALS Vial : 21 Sample Multiplier: 1

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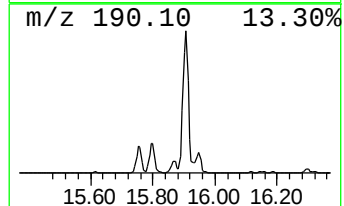
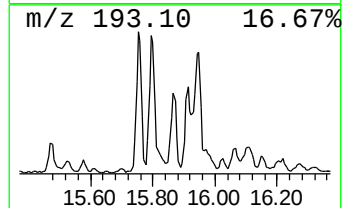
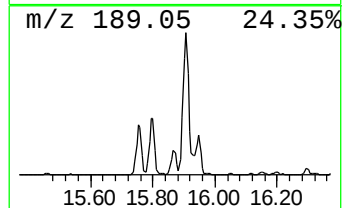
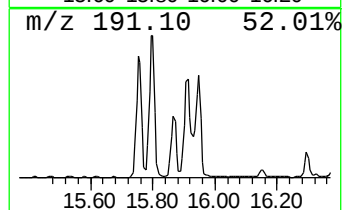
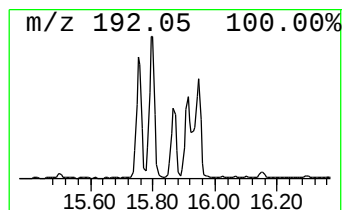
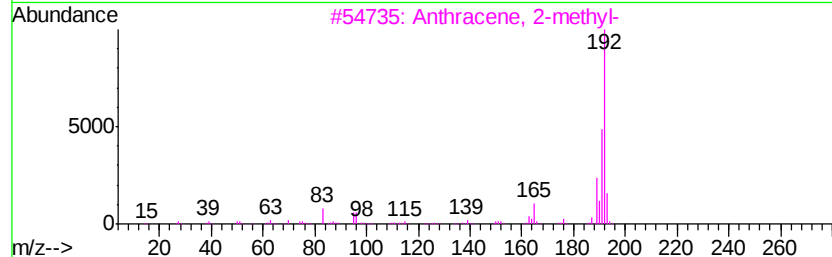
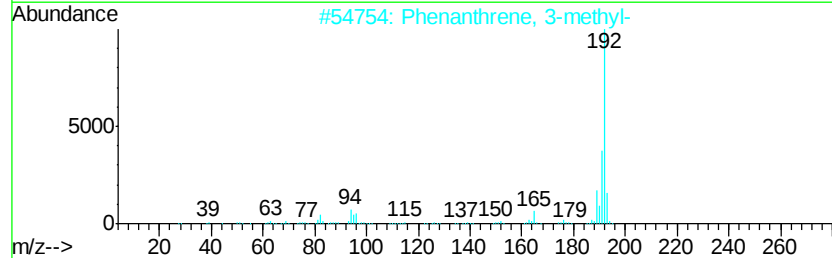
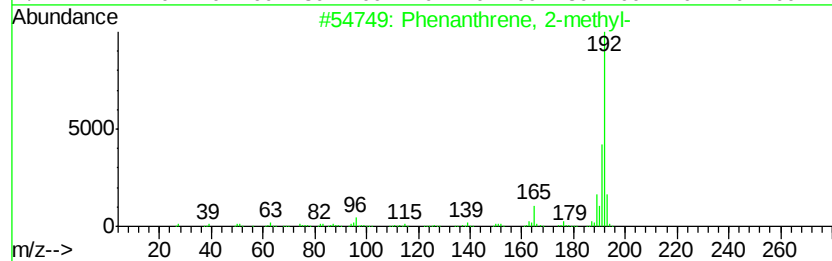
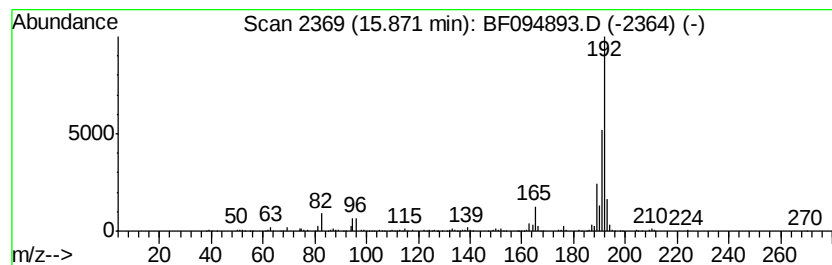
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	18.28 ng	614216	Phenanthrene-d10	14.98

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	94



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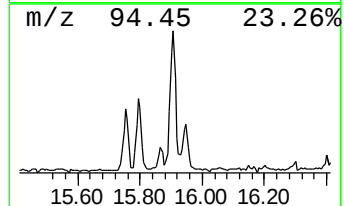
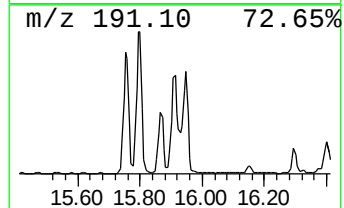
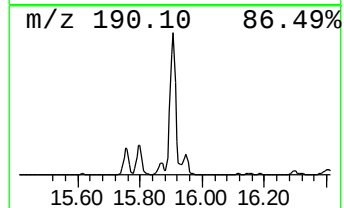
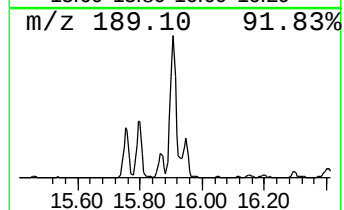
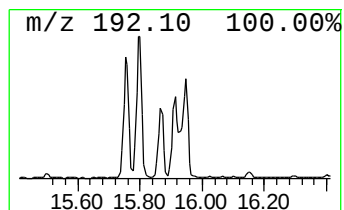
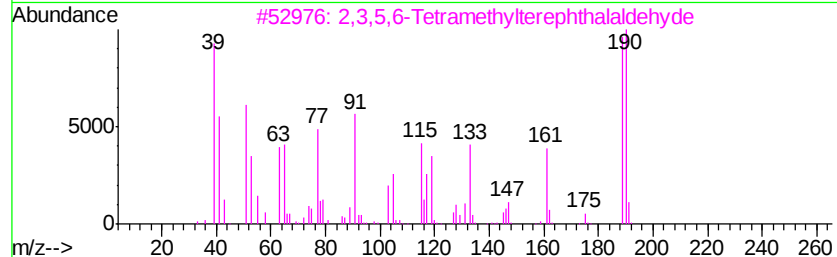
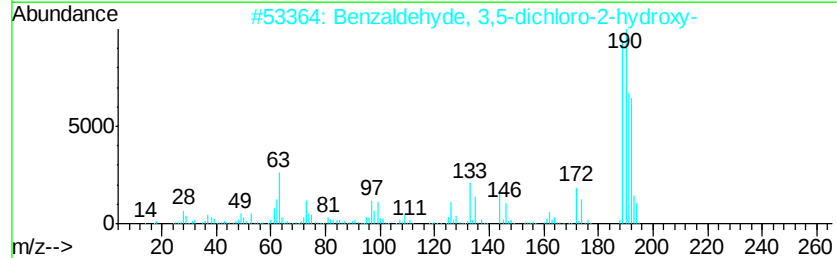
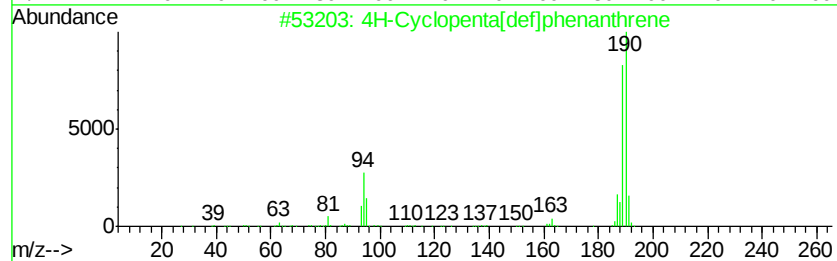
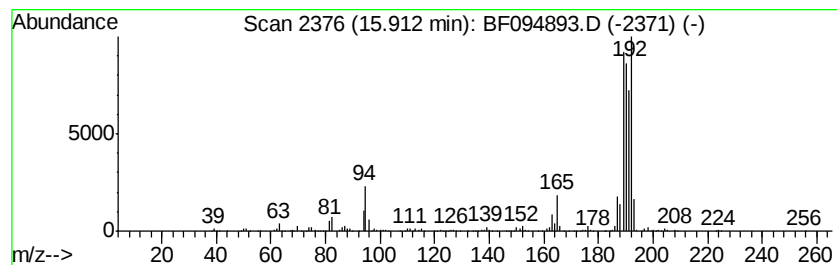
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.91	55.67 ng	1870150	Phenanthrene-d10	14.98		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4		2,6-Dichlorobenzaloxime	189	C7H5Cl2NO	025185-95-9	30
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30



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ClientSampleId :
TP7-8-COMP

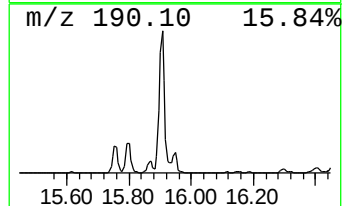
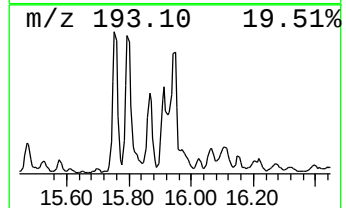
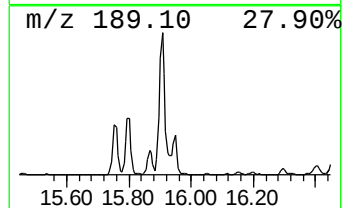
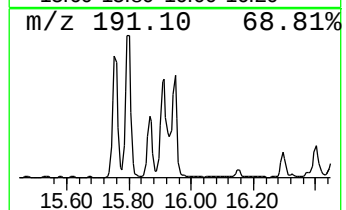
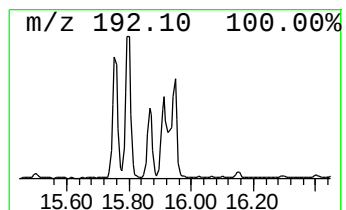
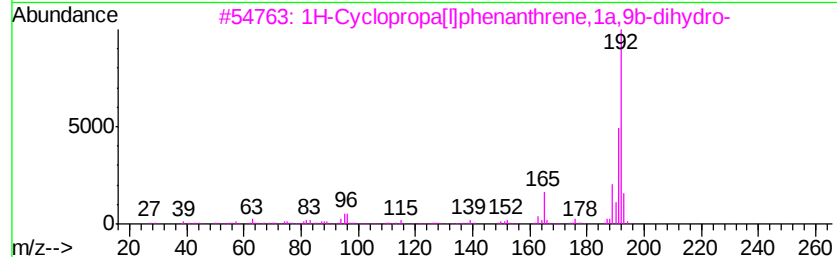
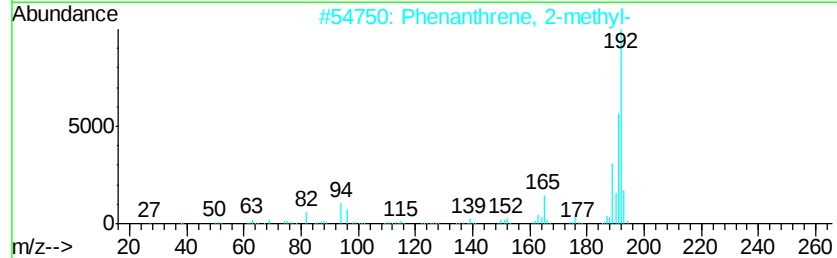
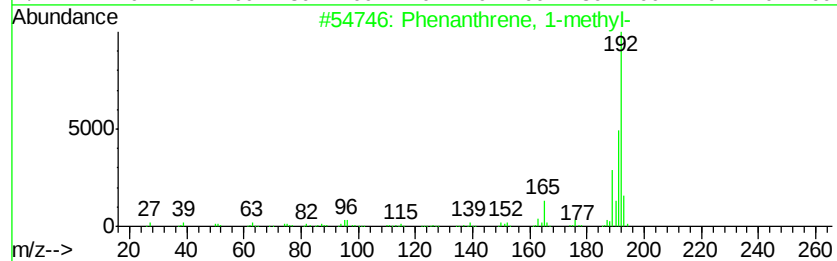
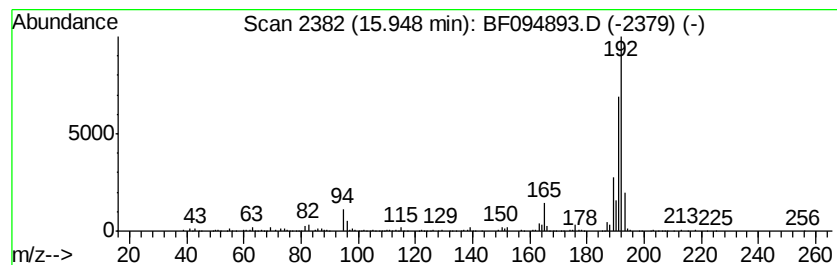
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	27.23 ng	914775	Phenanthrene-d10	14.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	94
4		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050417\
Data File : BF094893.D
Acq On : 5 May 2017 1:27
Operator : SJ/MA
Sample : I2953-03 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP7-8-COMP

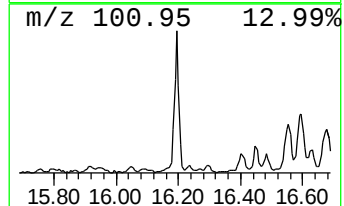
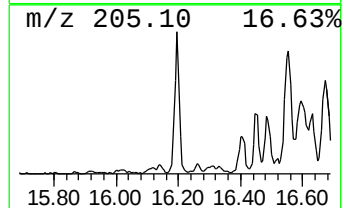
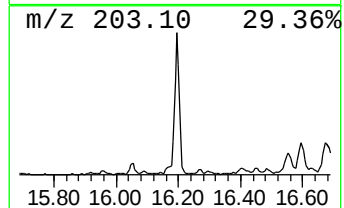
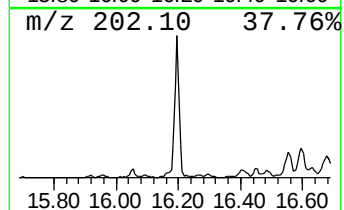
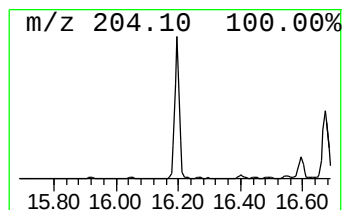
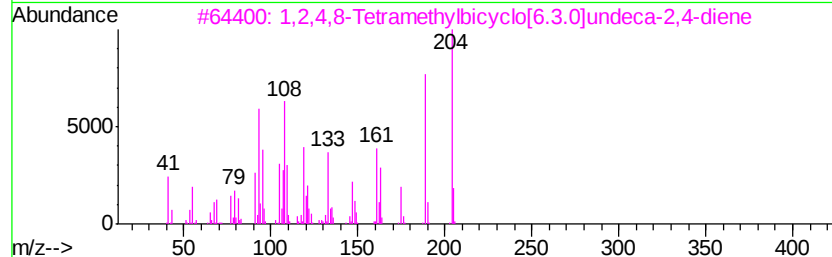
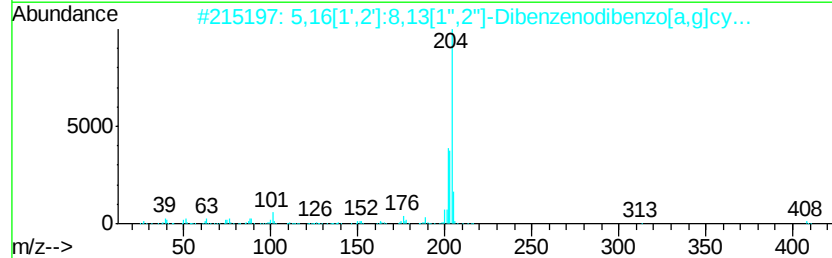
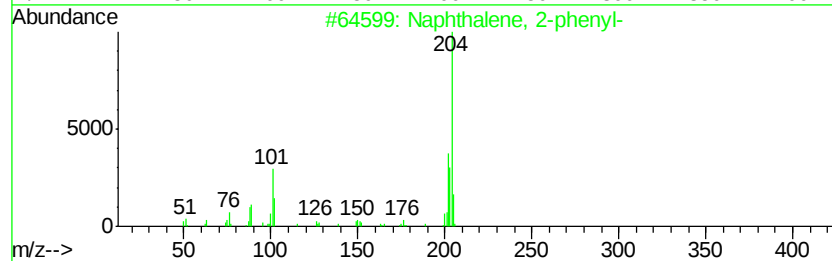
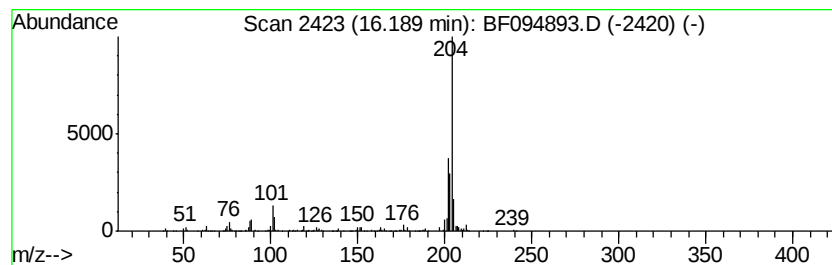
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	27.71 ng	930983	Phenanthrene-d10	14.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	86
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050417\
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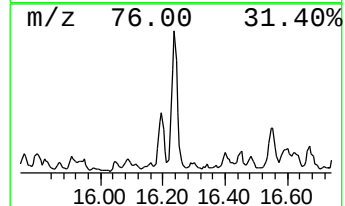
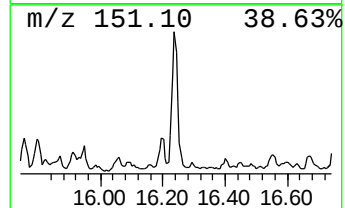
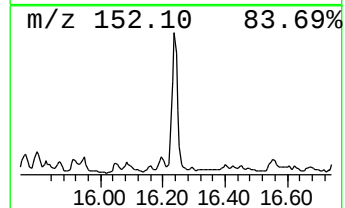
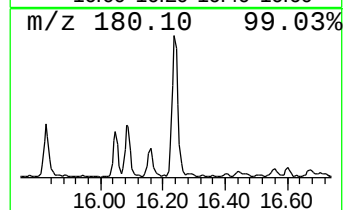
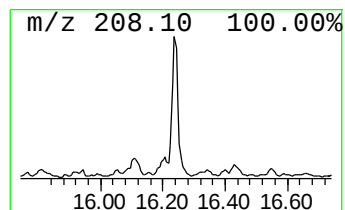
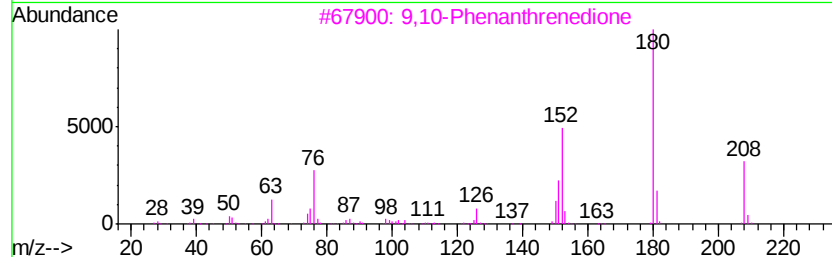
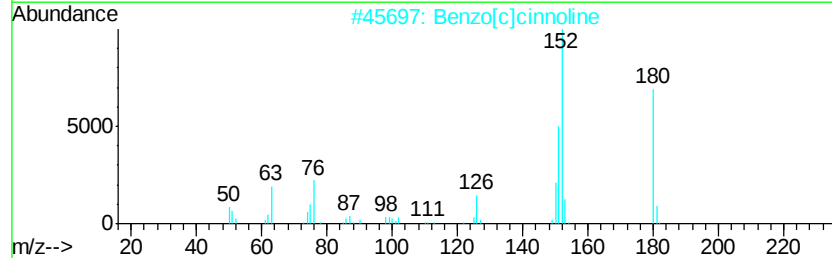
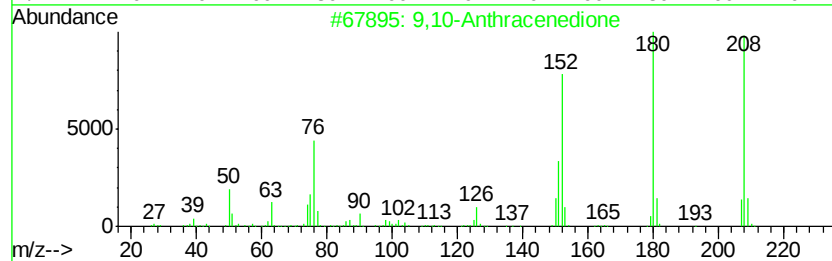
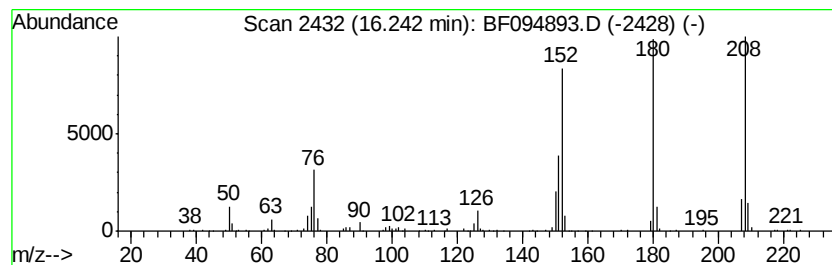
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	15.68 ng	526918	Phenanthrene-d10	14.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3		9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	64
4		1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5		1,4-Anthracenedione	208	C14H8O2	000635-12-1	58



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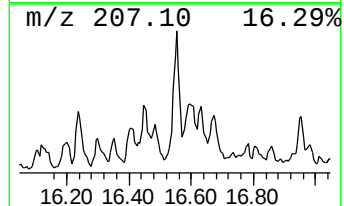
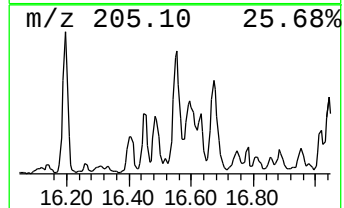
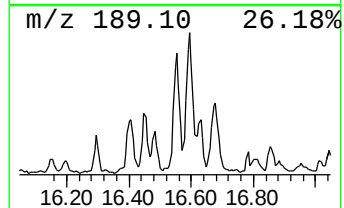
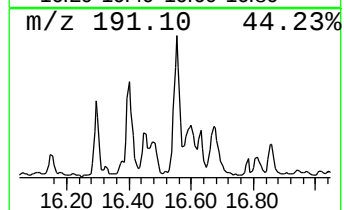
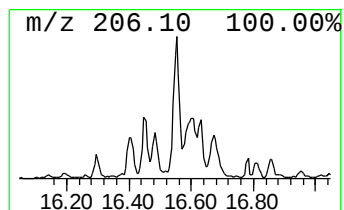
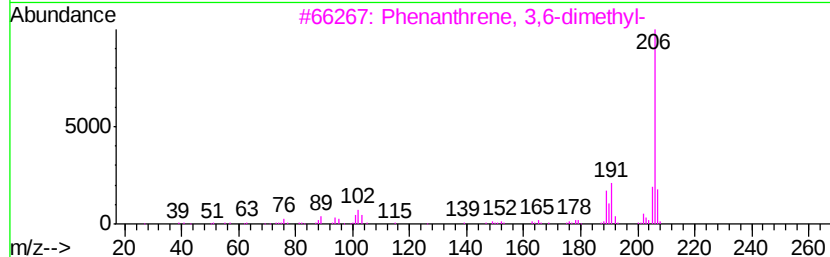
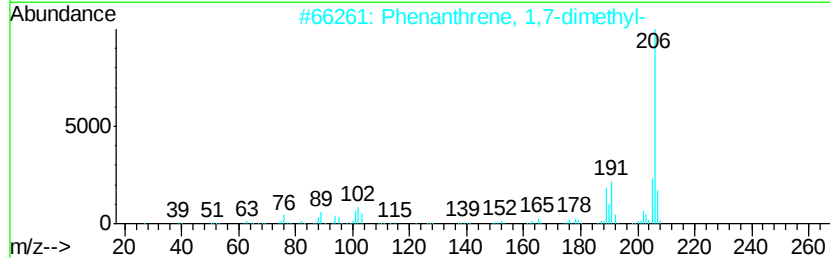
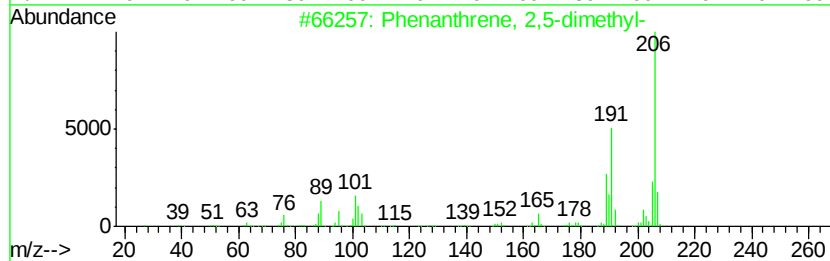
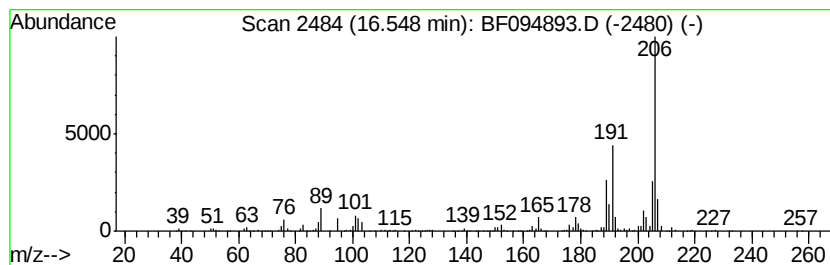
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	23.38 ng	785332	Phenanthrene-d10	14.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	93
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050417\
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Acq On : 5 May 2017 1:27
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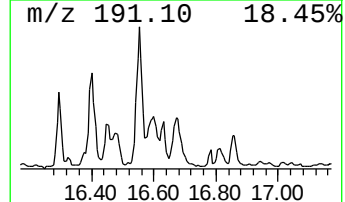
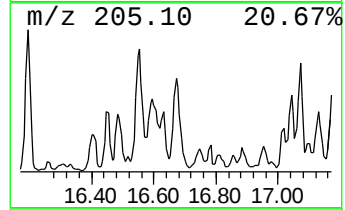
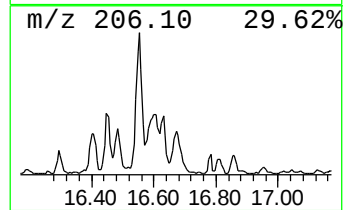
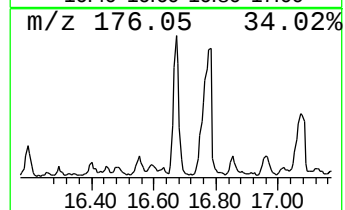
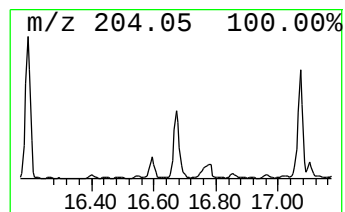
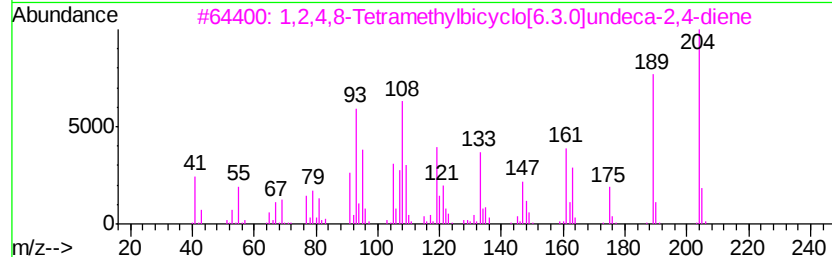
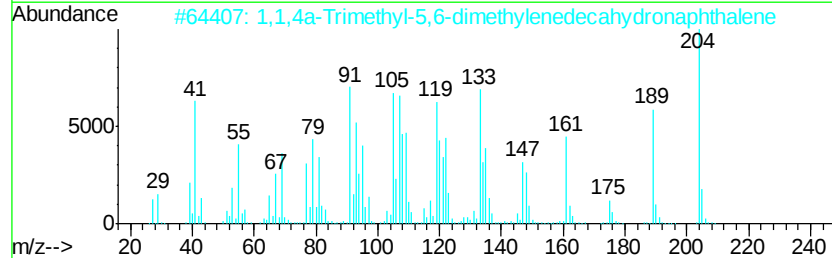
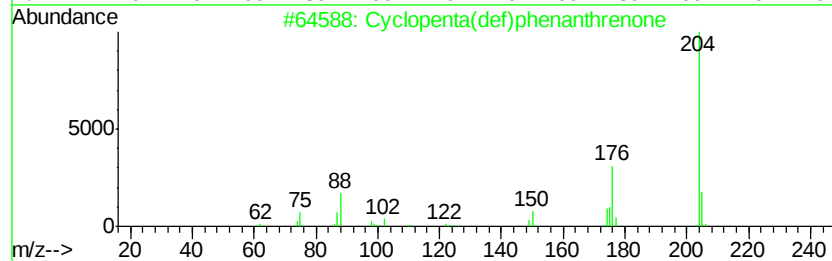
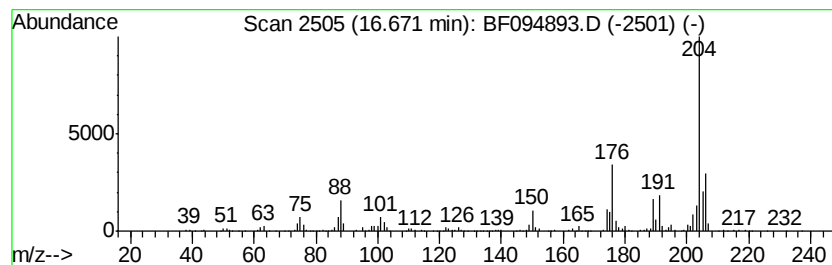
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.67	21.01 ng	705903	Phenanthrene-d10	14.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2		1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	94
3		1,2,4,8-Tetramethylbicyclo[6.3.0]...	204	C15H24	137235-51-9	60
4		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
5		Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050417\
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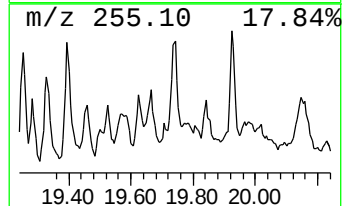
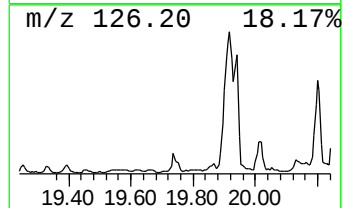
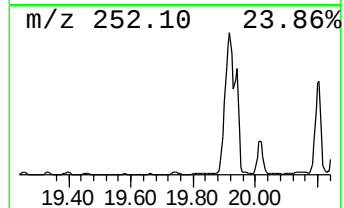
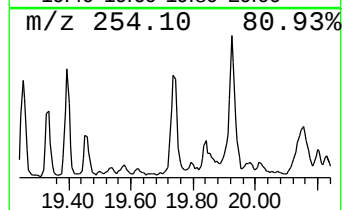
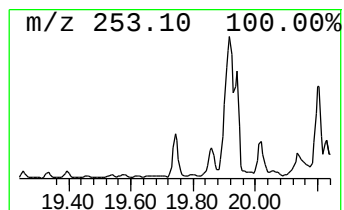
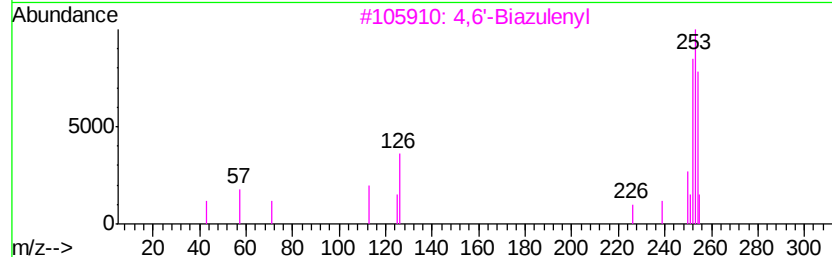
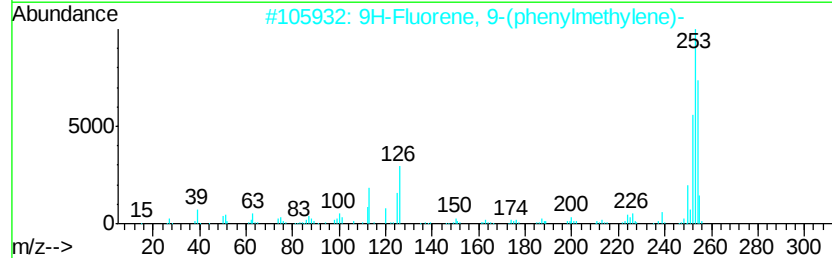
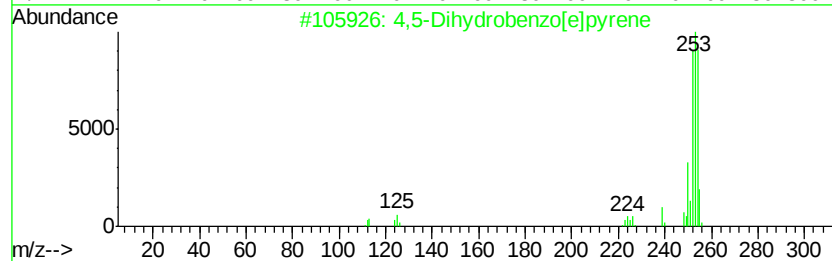
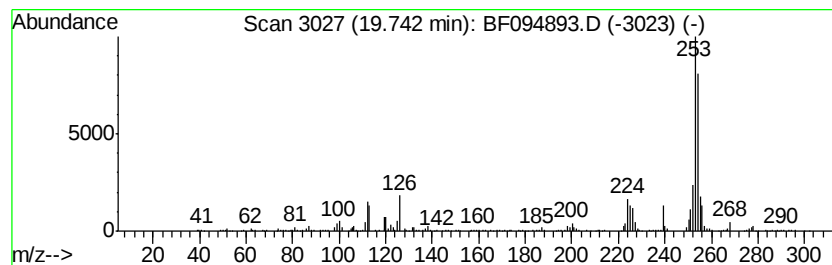
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 4,5-Dihydrobenzo[e]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.		
19.74	14.95 ng	311087	Perylene-d12	20.31		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	74	
2	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	72	
3	4,6'-Biazulenyl	254	C20H14	094154-49-1	64	
4	1,1'-Binaphthalene	254	C20H14	000604-53-5	64	
5	1,2'-Binaphthalene	254	C20H14	004325-74-0	64	



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ALS Vial : 21 Sample Multiplier: 1

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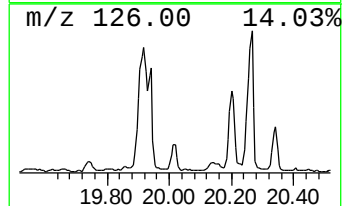
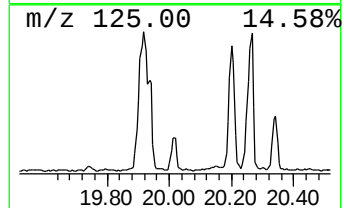
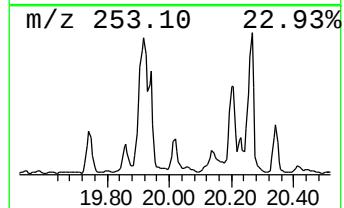
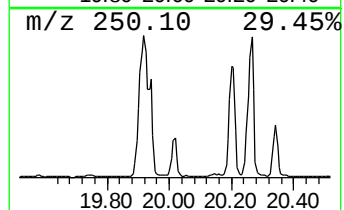
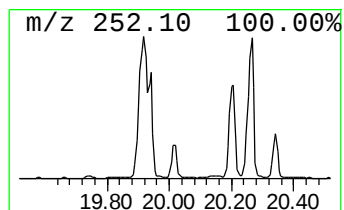
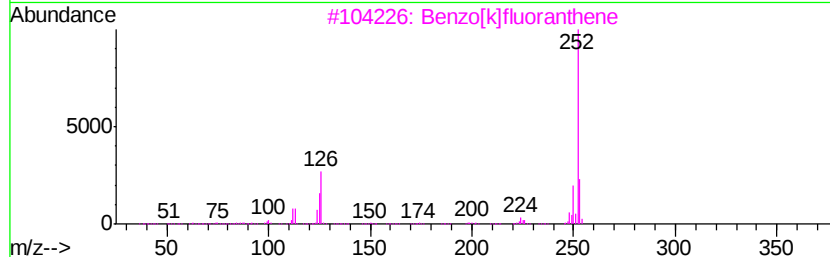
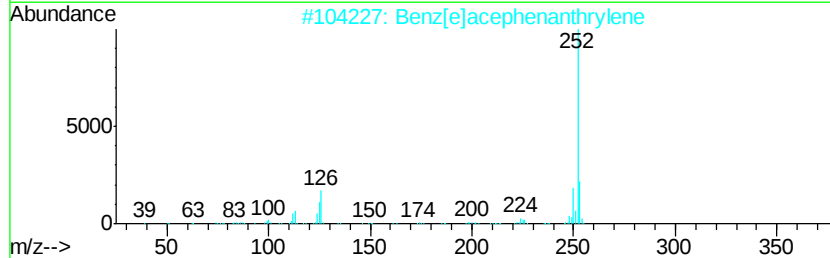
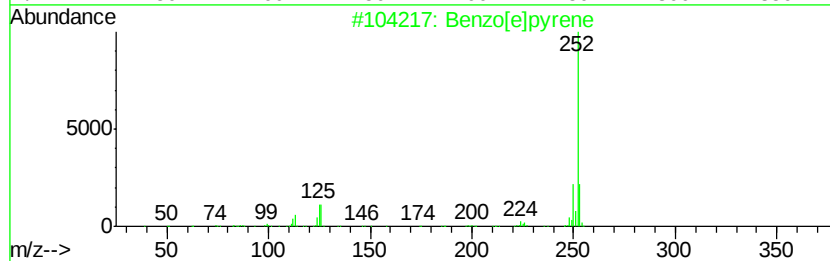
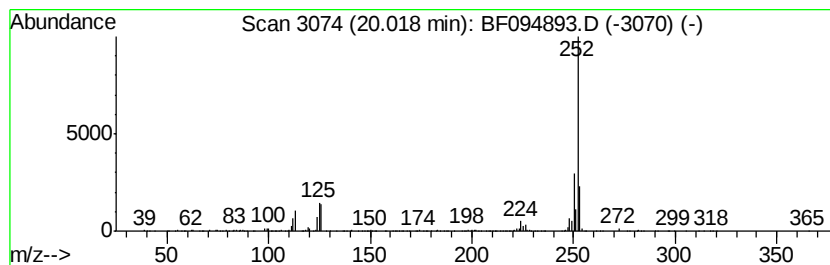
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.02	23.37 ng	486157	Perylene-d12	20.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4		Benzo[a]pyrene	252	C20H12	000050-32-8	91
5		Perylene	252	C20H12	000198-55-0	89



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Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId :
TP7-8-COMP

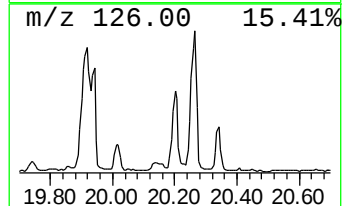
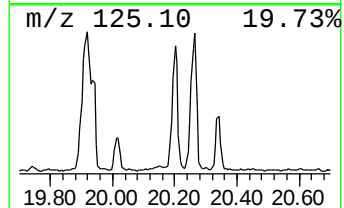
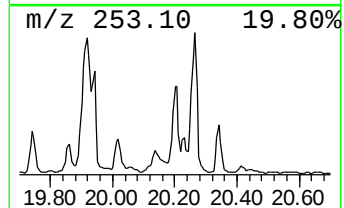
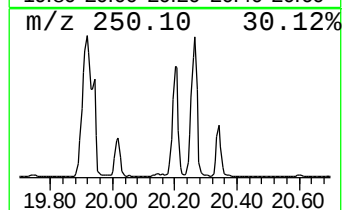
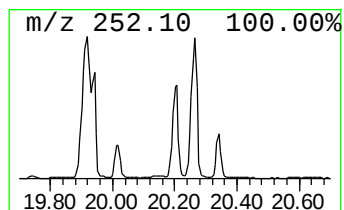
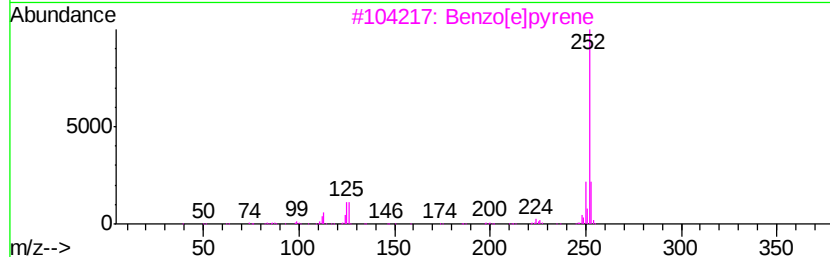
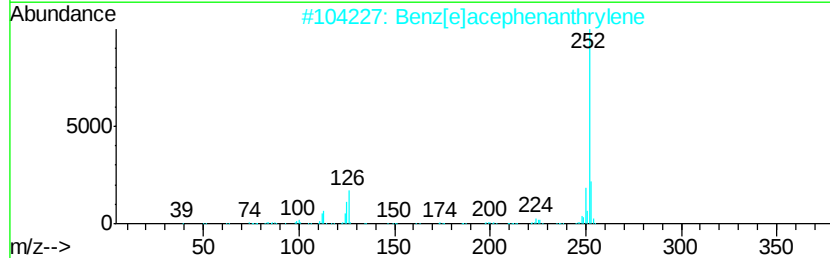
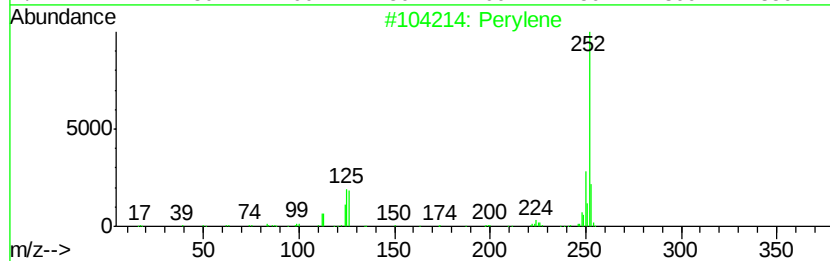
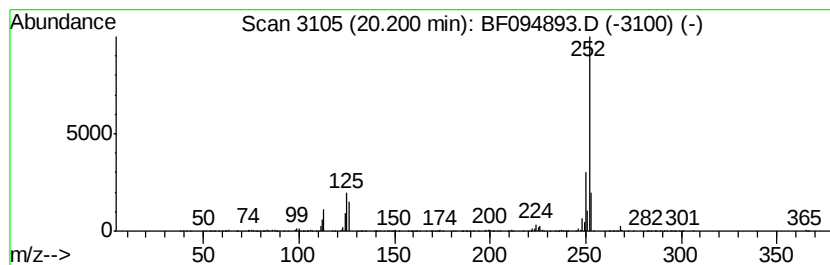
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.20	78.10 ng	1624640	Perylene-d12	20.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	99
2		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
3		Benzo[e]pyrene	252	C20H12	000192-97-2	96
4		Benzo[a]pyrene	252	C20H12	000050-32-8	94
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050417\
Data File : BF094893.D
Acq On : 5 May 2017 1:27
Operator : SJ/MA
Sample : I2953-03 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP7-8-COMP

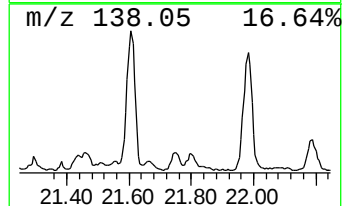
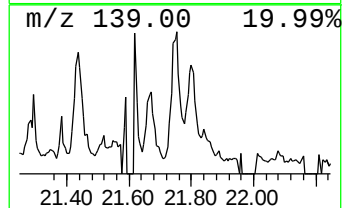
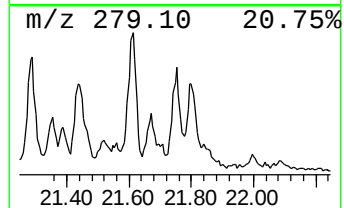
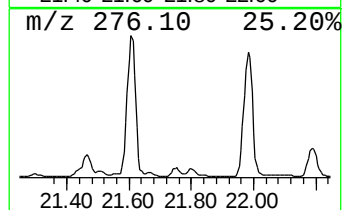
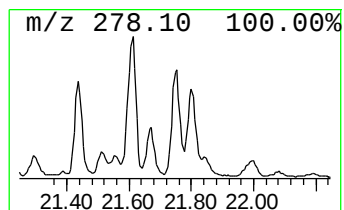
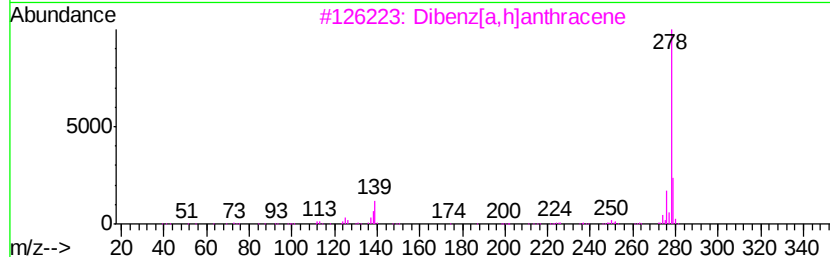
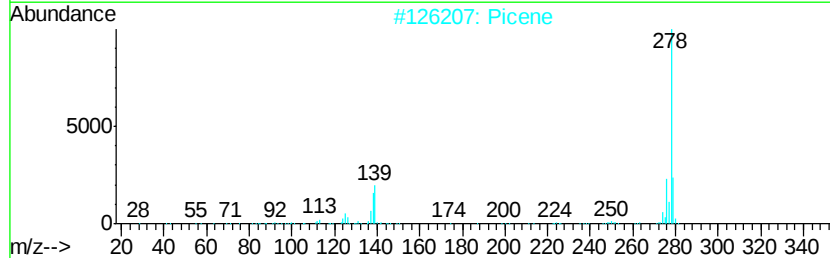
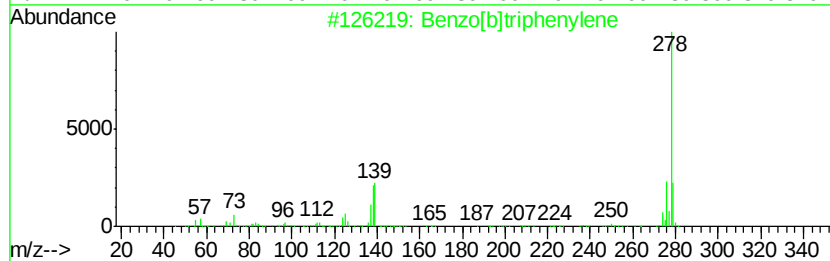
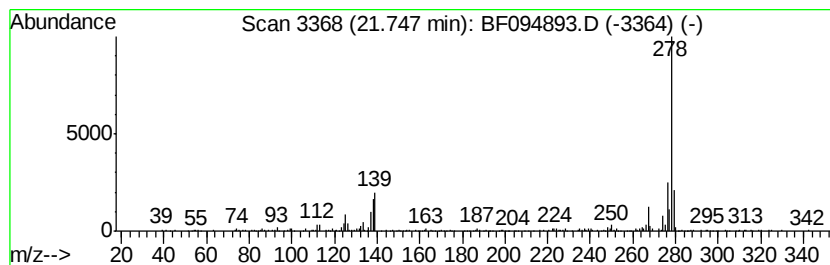
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[b]triphenylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.75	19.48 ng	405255	Perylene-d12	20.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
2		Picene	278	C22H14	000213-46-7	93
3		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
4		Pentacene	278	C22H14	000135-48-8	92
5		Benzo[a]naphthacene	278	C22H14	000226-88-0	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050417\
Data File : BF094893.D
Acq On : 5 May 2017 1:27
Operator : SJ/MA
Sample : I2953-03 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP7-8-COMP

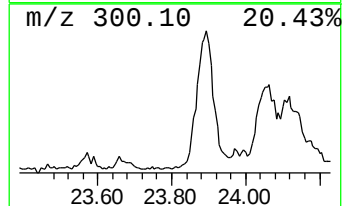
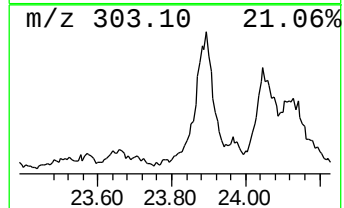
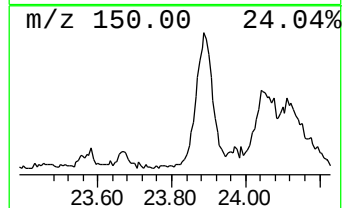
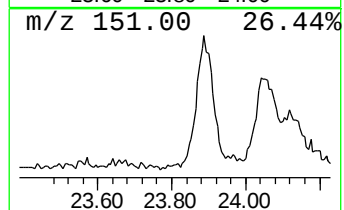
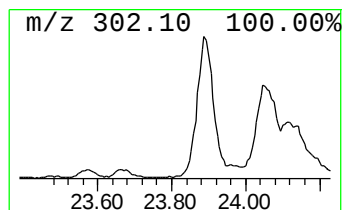
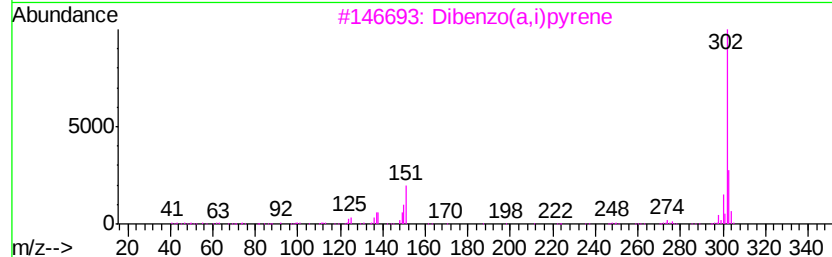
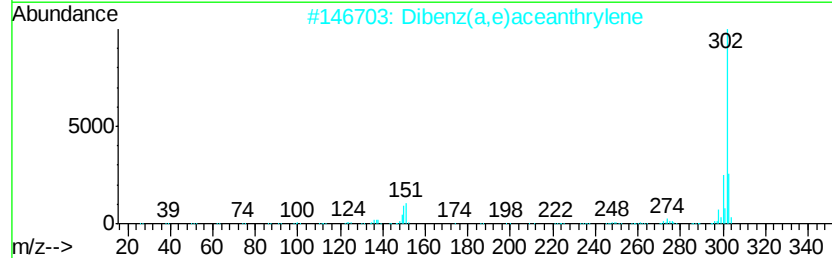
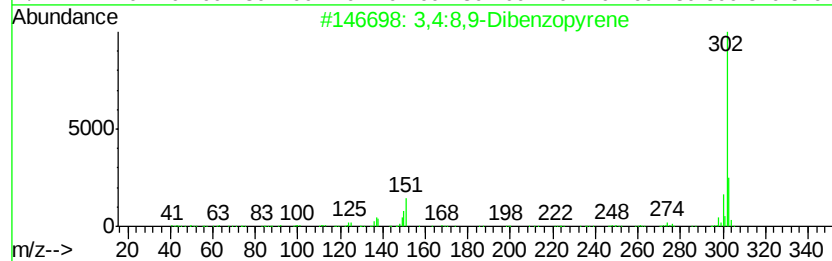
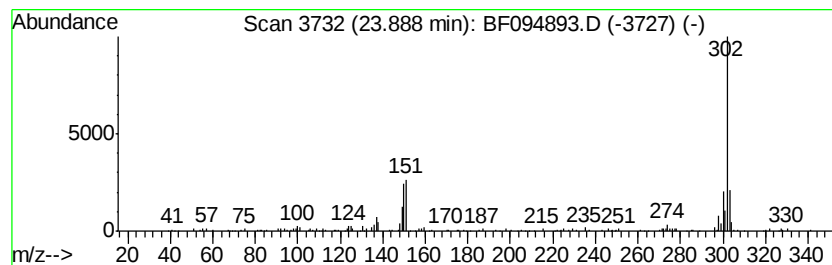
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 3,4:8,9-Dibenzopyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.89	19.06 ng	396514	Perylene-d12	20.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	98
2		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	97
3		Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	96
4		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
5		1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050417\
 Data File : BF094893.D
 Acq On : 5 May 2017 1:27
 Operator : SJ/MA
 Sample : I2953-03 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP7-8-COMP

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown7.38	7.38	16.9	ng	417536	1	7.72	494671	20.0
Naphthalene, 2-me...	11.05	18.4	ng	675209	2	9.74	732491	20.0
9H-Fluoren-9-one	14.68	19.5	ng	656230	4	14.98	671908	20.0
Talbutal-permethy...	14.77	13.7	ng	460209	4	14.98	671908	20.0
Naphtho[2,3-b]thi...	14.80	20.2	ng	678307	4	14.98	671908	20.0
Phenanthrene, 1-m...	15.75	35.6	ng	1196640	4	14.98	671908	20.0
Phenanthrene, 2-m...	15.79	46.3	ng	1555580	4	14.98	671908	20.0
Phenanthrene, 3-m...	15.87	18.3	ng	614216	4	14.98	671908	20.0
4H-Cyclopenta[def...	15.91	55.7	ng	1870150	4	14.98	671908	20.0
1H-Cyclopropa[l]p...	15.95	27.2	ng	914775	4	14.98	671908	20.0
Naphthalene, 2-ph...	16.19	27.7	ng	930983	4	14.98	671908	20.0
9,10-Anthracenedione	16.24	15.7	ng	526918	4	14.98	671908	20.0
Phenanthrene, 2,5...	16.55	23.4	ng	785332	4	14.98	671908	20.0
Cyclopenta(def)ph...	16.67	21.0	ng	705903	4	14.98	671908	20.0
4,5-Dihydrobenzo[...	19.74	14.9	ng	311087	6	20.31	416046	20.0
Benzo[e]pyrene	20.02	23.4	ng	486157	6	20.31	416046	20.0
Perylene	20.20	78.1	ng	1624640	6	20.31	416046	20.0
Benzo[b]triphenylene	21.75	19.5	ng	405255	6	20.31	416046	20.0
3,4:8,9-Dibenzopy...	23.89	19.1	ng	396514	6	20.31	416046	20.0