

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
 Data File : BF095393.D
 Acq On : 24 May 2017 17:23
 Operator : SJ/MA
 Sample : I3200-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-38-20170517

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	5.107	535	539	562	rBV	101862	287352	12.04%	0.811%
2	5.713	638	642	677	rBV	712094	1890248	79.17%	5.335%
3	7.289	906	910	927	rBV	832330	1818819	76.18%	5.134%
4	7.413	927	931	951	rVB	1356403	2306918	96.62%	6.511%
5	7.748	984	988	1000	rBV	421272	530308	22.21%	1.497%
6	7.983	1023	1028	1050	rBV	1290313	1668629	69.89%	4.710%
7	8.654	1137	1142	1177	rBV	533303	1218322	51.03%	3.439%
8	9.772	1328	1332	1355	rBV	366108	764280	32.01%	2.157%
9	10.966	1531	1535	1543	rBV2	14081	28467	1.19%	0.080%
10	11.536	1627	1632	1652	rBV	1601346	2387576	100.00%	6.739%
11	12.083	1722	1725	1729	rBV4	19971	27886	1.17%	0.079%
12	12.236	1747	1751	1766	rVB	234868	422576	17.70%	1.193%
13	12.383	1771	1776	1782	rBV	96048	147358	6.17%	0.416%
14	12.601	1808	1813	1819	rBV2	543393	774217	32.43%	2.185%
15	12.654	1819	1822	1832	rVB	63350	113842	4.77%	0.321%
16	12.971	1870	1876	1883	rBV2	35316	77218	3.23%	0.218%
17	13.042	1884	1888	1892	rVB5	17293	25651	1.07%	0.072%
18	13.148	1901	1906	1913	rVB4	31336	56871	2.38%	0.161%
19	13.207	1913	1916	1921	rBV5	16000	25922	1.09%	0.073%
20	13.430	1950	1954	1958	rBV2	47299	58193	2.44%	0.164%
21	13.507	1963	1967	1975	rVB	58109	88277	3.70%	0.249%
22	13.783	2009	2014	2022	rBV4	38153	76745	3.21%	0.217%
23	13.901	2029	2034	2045	rBV	608203	1069286	44.79%	3.018%
24	14.201	2082	2085	2088	rBV	54420	71696	3.00%	0.202%
25	14.412	2115	2121	2124	rBV4	27135	48508	2.03%	0.137%
26	14.624	2154	2157	2161	rBV4	27807	41588	1.74%	0.117%
27	14.742	2174	2177	2183	rBV3	28118	45825	1.92%	0.129%
28	14.842	2192	2194	2198	rVB	41160	45738	1.92%	0.129%
29	14.936	2207	2210	2213	rVB	40540	41318	1.73%	0.117%
30	15.001	2214	2221	2224	rBV	514632	654006	27.39%	1.846%
31	15.042	2224	2228	2238	rVB	726949	1076269	45.08%	3.038%
32	15.136	2239	2244	2252	rVB	145784	237688	9.96%	0.671%
33	15.230	2255	2260	2263	rBV4	30699	52873	2.21%	0.149%
34	15.430	2291	2294	2301	rVV2	51065	118349	4.96%	0.334%

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

35	15.489	2301	2304	2307	rVV	41071	51173	2.14%	0.144%
36	15.530	2308	2311	2317	rVB	47598	64177	2.69%	0.181%
37	15.595	2318	2322	2326	rVB2	45615	57982	2.43%	0.164%
38	15.665	2330	2334	2338	rBV6	27356	41816	1.75%	0.118%
39	15.789	2351	2355	2358	rBV	167040	193327	8.10%	0.546%
40	15.830	2358	2362	2368	rVB	200834	244053	10.22%	0.689%
41	15.901	2371	2374	2377	rBV	49567	58819	2.46%	0.166%
42	15.936	2377	2380	2382	rBV2	203679	239042	10.01%	0.675%
43	16.189	2420	2423	2426	rBV4	35068	40161	1.68%	0.113%
44	16.224	2426	2429	2437	rVB	91693	126613	5.30%	0.357%
45	16.289	2437	2440	2445	rBV	73267	103736	4.34%	0.293%
46	16.436	2461	2465	2469	rBV2	53121	73736	3.09%	0.208%
47	16.483	2470	2473	2477	rVV	63960	71033	2.98%	0.200%
48	16.518	2477	2479	2482	rVB	32804	31086	1.30%	0.088%
49	16.583	2486	2490	2493	rBV	157730	201550	8.44%	0.569%
50	16.624	2493	2497	2501	rVV4	82133	139631	5.85%	0.394%
51	16.659	2501	2503	2506	rVV	44789	39790	1.67%	0.112%
52	16.706	2506	2511	2518	rVB3	110777	190526	7.98%	0.538%
53	16.783	2520	2524	2535	rVB	1343008	1666717	69.81%	4.704%
54	16.883	2538	2541	2543	rVV3	30998	32418	1.36%	0.092%
55	16.924	2545	2548	2554	rVB	74771	101503	4.25%	0.286%
56	16.983	2556	2558	2561	rVB	38728	36919	1.55%	0.104%
57	17.024	2561	2565	2568	rBV3	49824	72150	3.02%	0.204%
58	17.089	2571	2576	2583	rVB	1295699	1634060	68.44%	4.612%
59	17.277	2605	2608	2611	rBV2	69031	85046	3.56%	0.240%
60	17.324	2611	2616	2624	rVB	1426582	1746433	73.15%	4.929%
61	17.412	2627	2631	2636	rVB2	102408	168961	7.08%	0.477%
62	17.524	2646	2650	2652	rBV4	77075	131251	5.50%	0.370%
63	17.553	2652	2655	2660	rVB	168697	206453	8.65%	0.583%
64	17.636	2666	2669	2674	rVB	76265	86506	3.62%	0.244%
65	17.683	2674	2677	2688	rBV2	163003	340616	14.27%	0.961%
66	17.800	2694	2697	2701	rVB	82475	87647	3.67%	0.247%
67	17.842	2701	2704	2709	rBV	65476	85829	3.59%	0.242%
68	17.883	2709	2711	2715	rVB5	25364	29834	1.25%	0.084%
69	17.983	2725	2728	2732	rVB5	36930	45516	1.91%	0.128%
70	18.071	2741	2743	2746	rBV	36649	40934	1.71%	0.116%
71	18.236	2768	2771	2779	rVB	125591	184474	7.73%	0.521%

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72	18.294	2779	2781	2785	rBV	23873	25731	1.08%	0.073%
73	18.353	2788	2791	2793	rVV2	77986	85011	3.56%	0.240%
74	18.383	2793	2796	2800	rVV2	166884	191385	8.02%	0.540%
75	18.418	2800	2802	2805	rVV	93881	95610	4.00%	0.270%
76	18.453	2805	2808	2812	rVB3	95549	117042	4.90%	0.330%
77	18.512	2815	2818	2824	rVB2	113175	139844	5.86%	0.395%
78	18.571	2824	2828	2832	rBV3	71655	121809	5.10%	0.344%
79	18.671	2840	2845	2849	rBV2	873289	1477893	61.90%	4.171%
80	18.712	2849	2852	2861	rVV3	617149	995768	41.71%	2.811%
81	18.806	2865	2868	2871	rVB3	84018	96161	4.03%	0.271%
82	18.900	2881	2884	2891	rBV6	59484	117044	4.90%	0.330%
83	18.959	2892	2894	2899	rVV3	98824	129529	5.43%	0.366%
84	19.000	2899	2901	2908	rVB4	53948	89606	3.75%	0.253%
85	19.183	2926	2932	2936	rBV2	204618	335479	14.05%	0.947%
86	19.224	2937	2939	2944	rVB2	98601	122385	5.13%	0.345%
87	19.283	2944	2949	2950	rBV5	68838	116925	4.90%	0.330%
88	19.336	2955	2958	2961	rBV4	70617	103774	4.35%	0.293%
89	19.500	2983	2986	2990	rVB	113752	123055	5.15%	0.347%
90	19.794	3033	3036	3037	rBV2	88479	82797	3.47%	0.234%
91	19.912	3051	3056	3058	rBV3	86607	162721	6.82%	0.459%
92	19.947	3058	3062	3065	rBV	689771	936492	39.22%	2.643%
93	20.059	3078	3081	3088	rBV	150413	261551	10.95%	0.738%
94	20.241	3109	3112	3116	rVB	470247	553860	23.20%	1.563%
95	20.300	3118	3122	3128	rVB	476346	550911	23.07%	1.555%
96	20.353	3128	3131	3135	rBV	326606	389073	16.30%	1.098%
97	21.306	3291	3293	3298	rBV3	46236	64597	2.71%	0.182%
98	21.688	3353	3358	3366	rBV	214770	392474	16.44%	1.108%
99	22.077	3419	3424	3433	rVB	175532	377221	15.80%	1.065%
100	23.829	3717	3722	3733	rVB	48537	122698	5.14%	0.346%

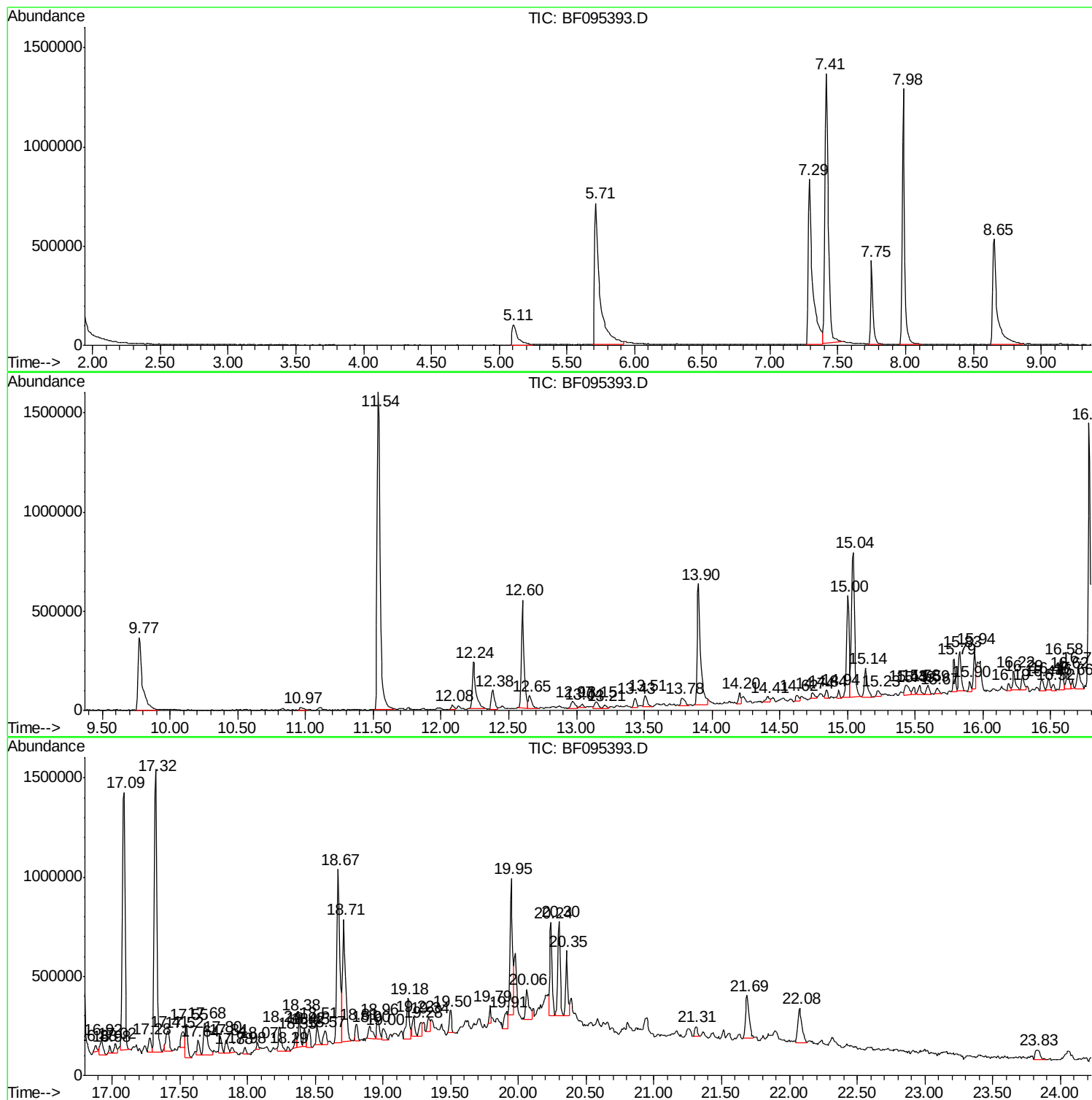
Sum of corrected areas: 35428783

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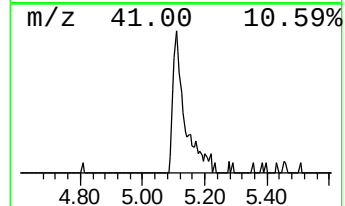
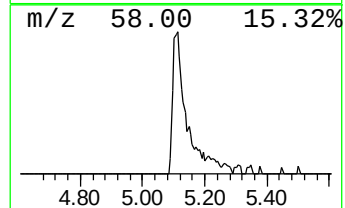
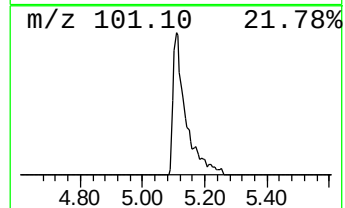
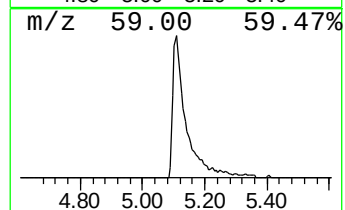
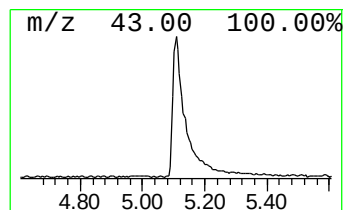
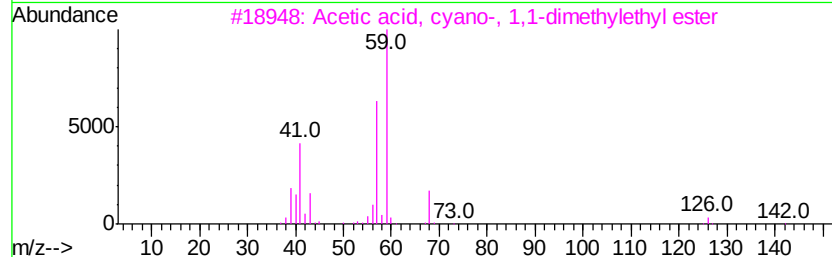
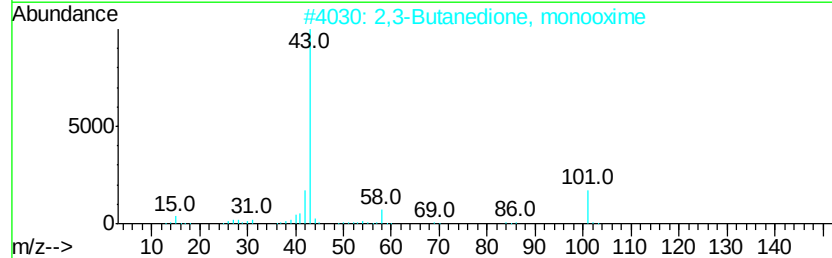
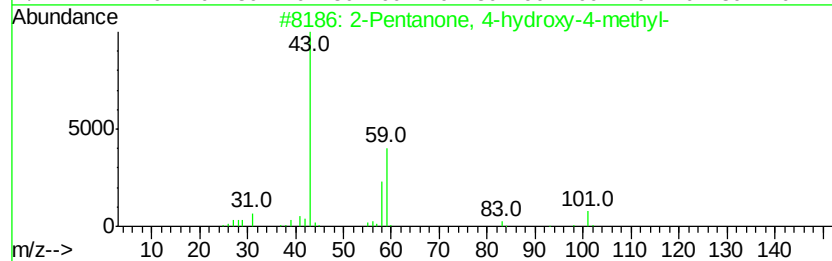
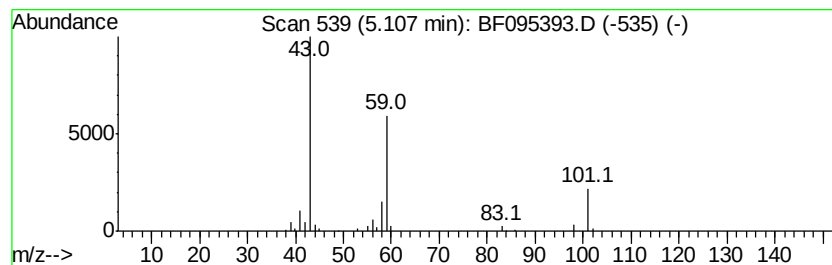
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.11	10.84 ng	287352	1,4-Dichlorobenzene-d4	7.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	38
3		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	25
4		Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



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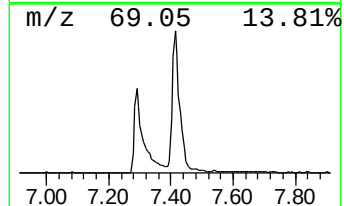
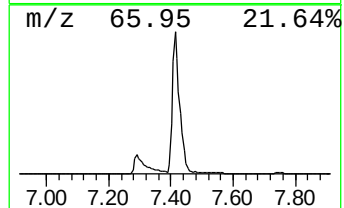
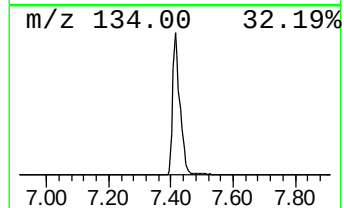
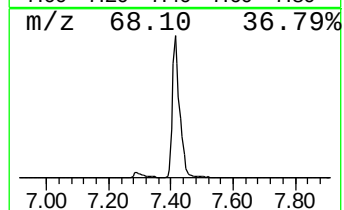
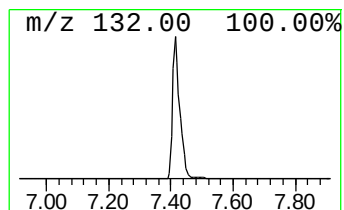
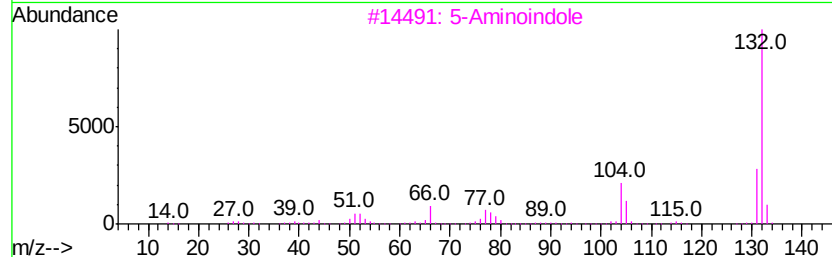
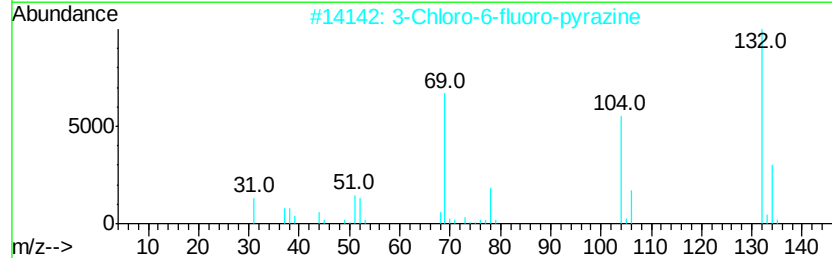
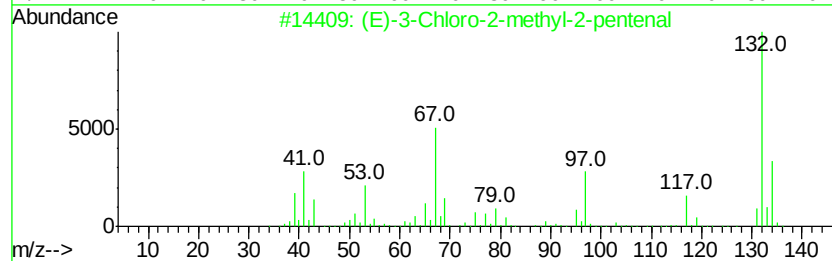
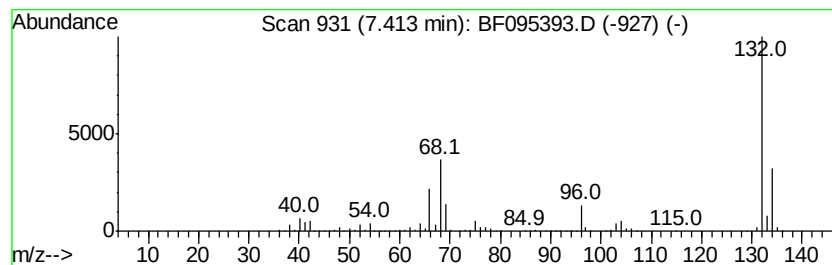
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown7.41 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.41	87.00 ng	2306920	1,4-Dichlorobenzene-d4	7.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	35
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		1-Aminoindan	133	C9H11N	034698-41-4	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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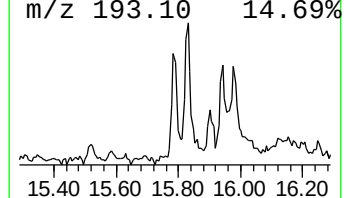
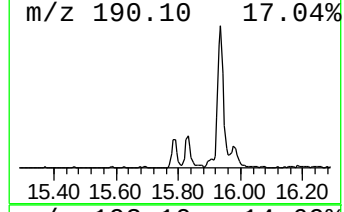
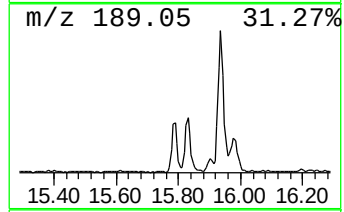
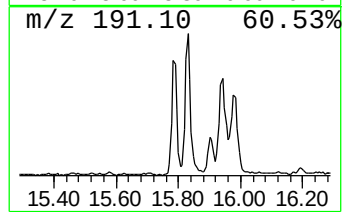
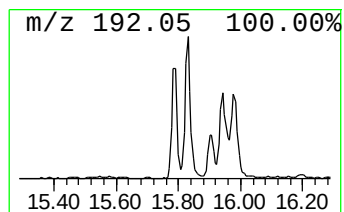
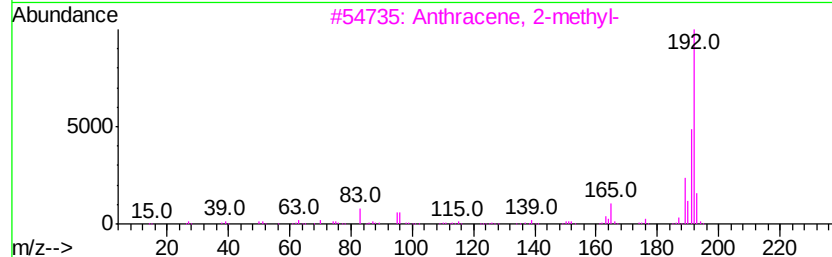
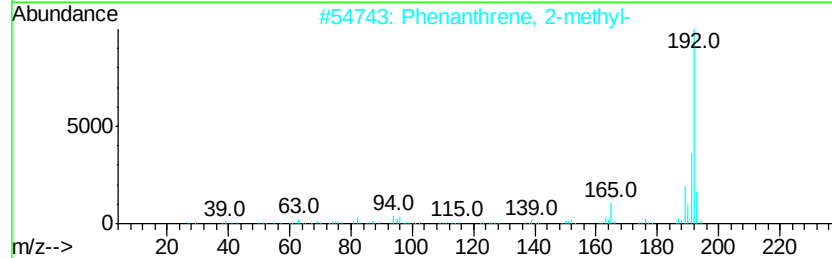
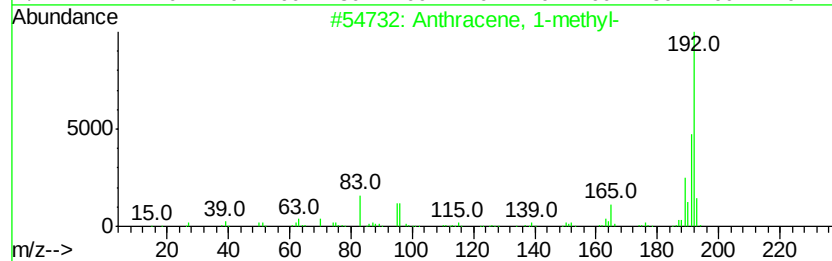
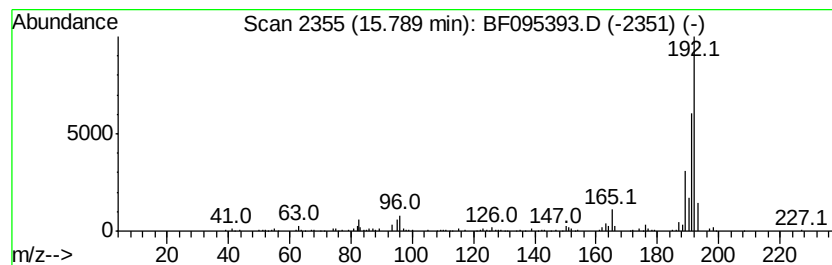
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Peak Number 5 Anthracene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	5.91 ng	193327	Phenanthrene-d10	15.00

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
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Acq On : 24 May 2017 17:23
Operator : SJ/MA
Sample : I3200-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

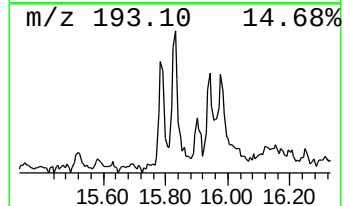
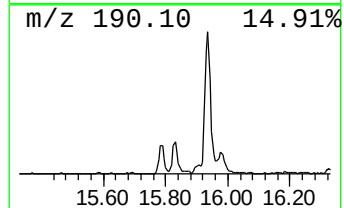
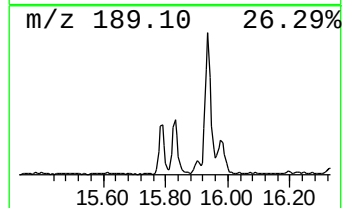
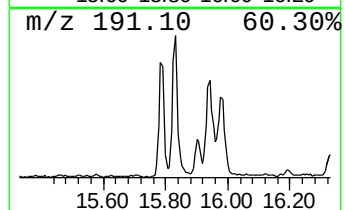
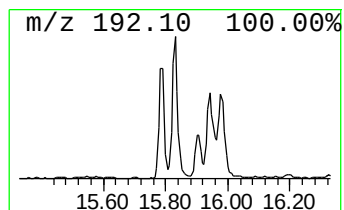
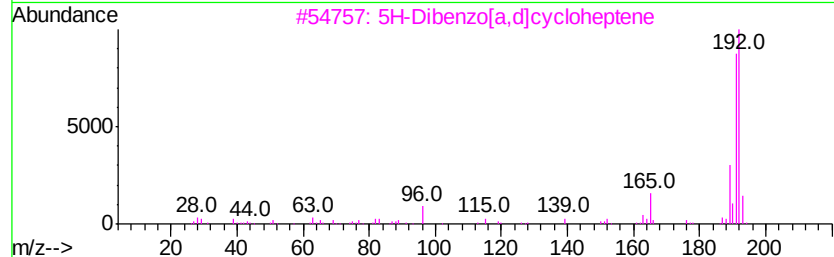
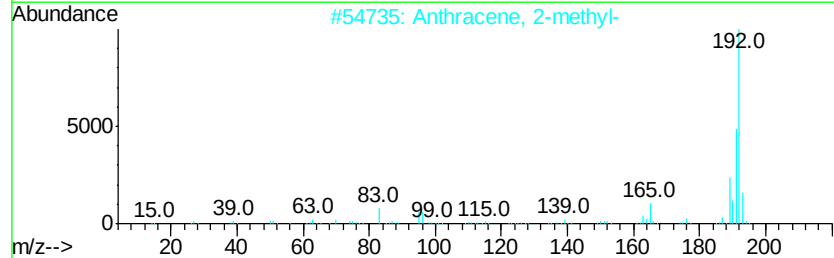
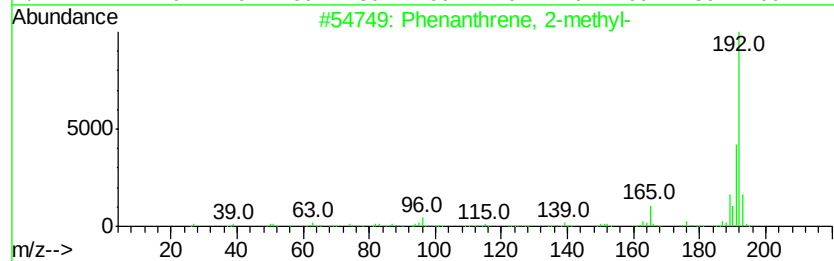
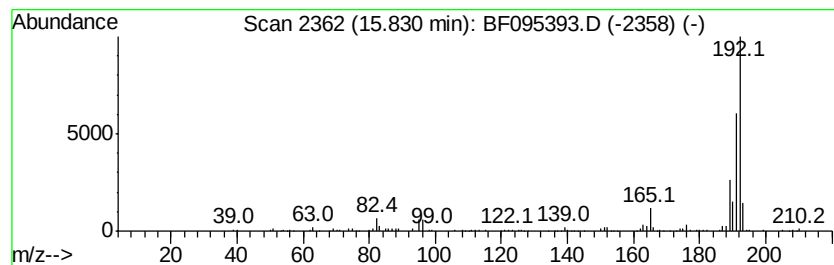
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ClientSampleId :
POST-EX-38-20170517

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, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.83	7.46 ng	244053	Phenanthrene-d10	15.00	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
Data File : BF095393.D
Acq On : 24 May 2017 17:23
Operator : SJ/MA
Sample : I3200-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

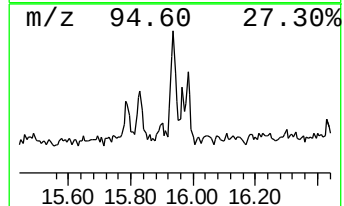
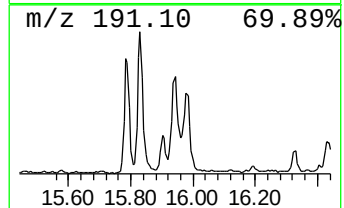
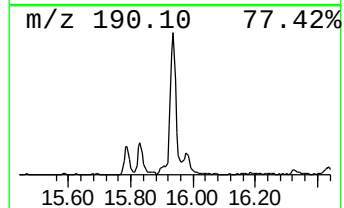
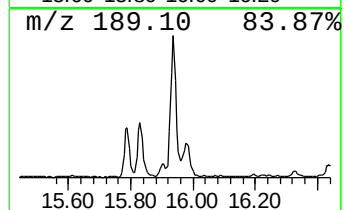
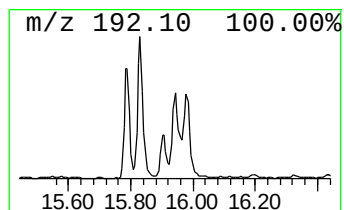
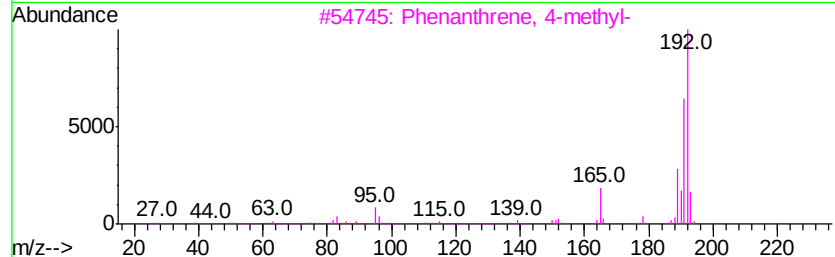
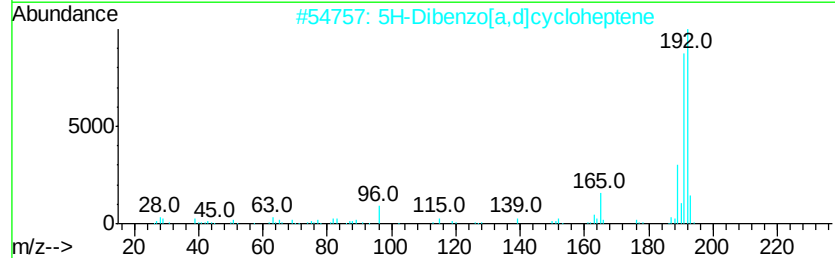
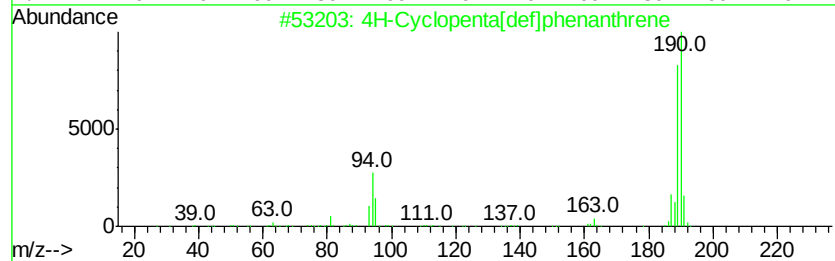
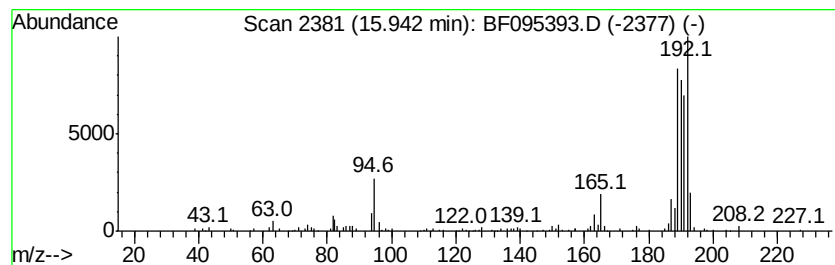
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD		R.T.
15.94	7.31 ng	239042	Phenanthrene-d10		15.00
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	35
5	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052417\
Data File : BF095393.D
Acq On : 24 May 2017 17:23
Operator : SJ/MA
Sample : I3200-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
POST-EX-38-20170517

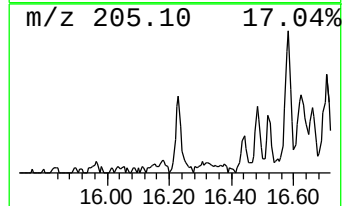
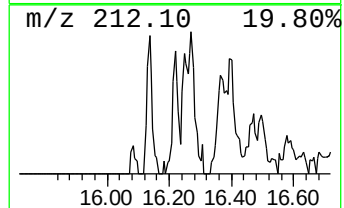
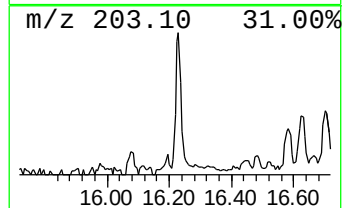
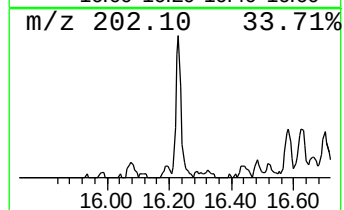
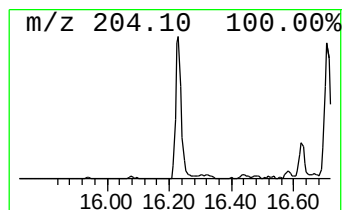
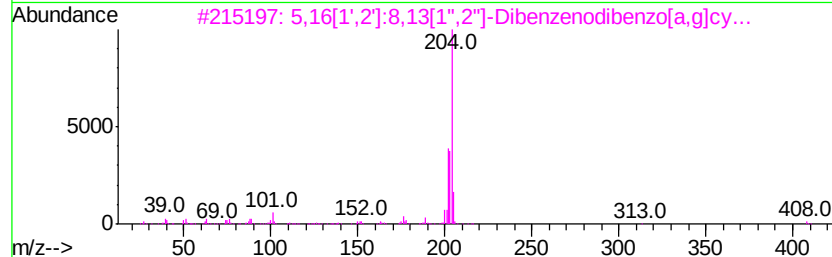
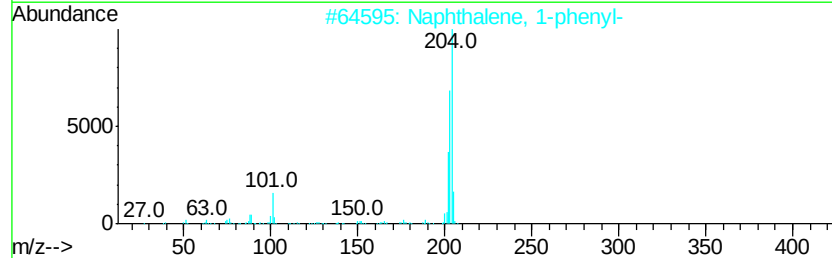
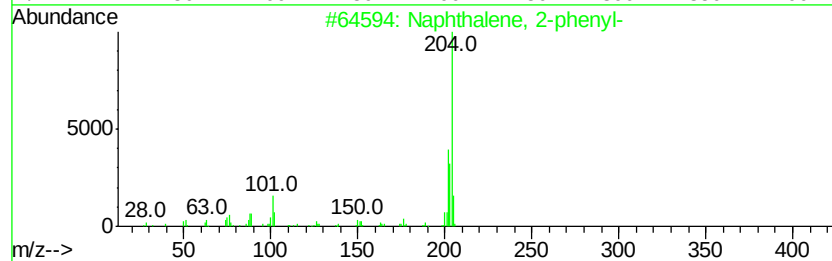
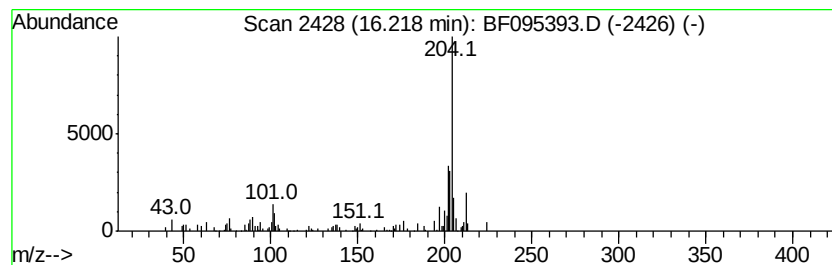
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.22	3.87 ng	126613	Phenanthrene-d10	15.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	87
3		5,16[1',2']8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
4		9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47
5		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052417\
Data File : BF095393.D
Acq On : 24 May 2017 17:23
Operator : SJ/MA
Sample : I3200-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

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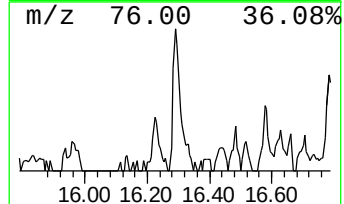
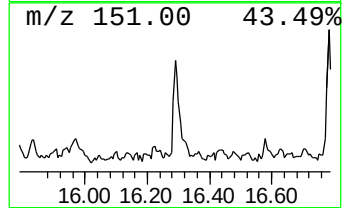
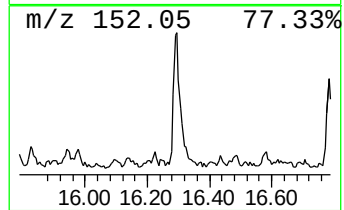
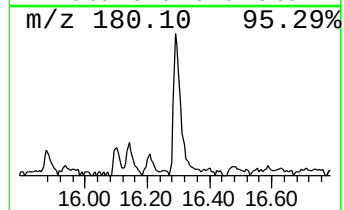
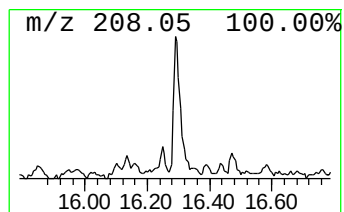
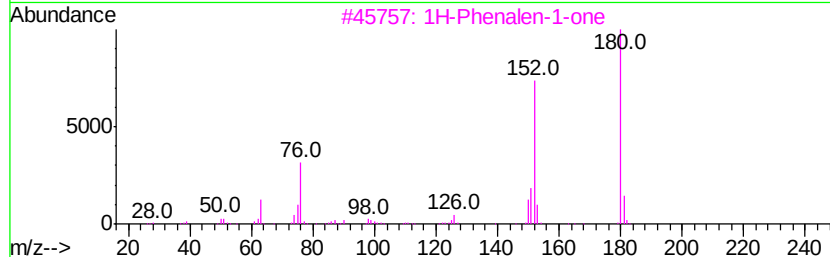
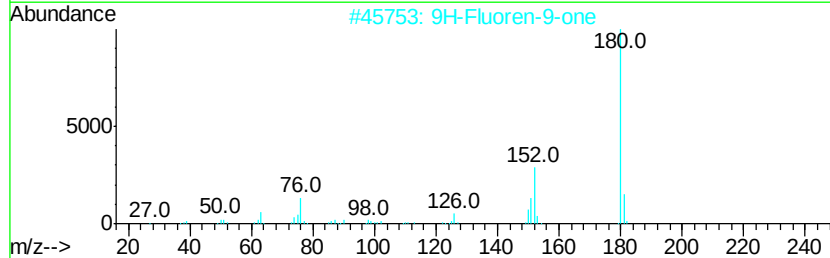
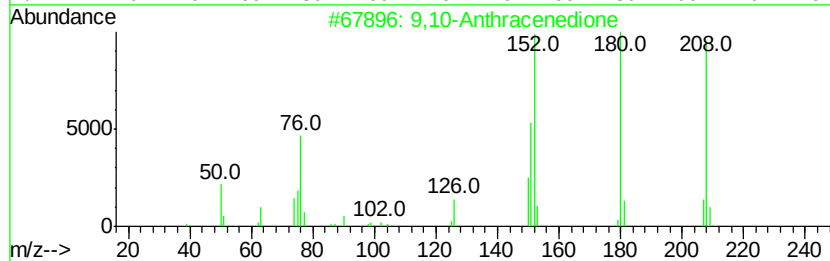
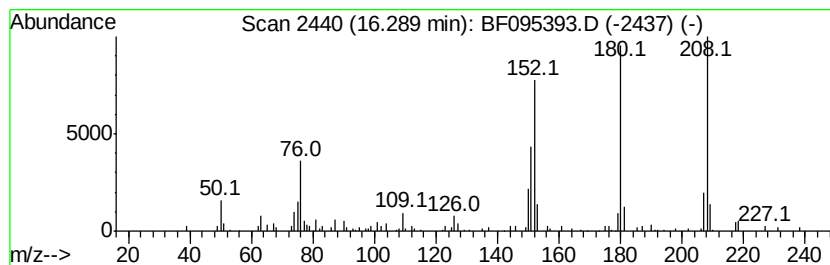
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	3.17 ng	103736	Phenanthrene-d10	15.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2		9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
3		1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
4		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	52
5		1,3-Benzenedicarboxaldehyde, 2,4...	180	C9H8O4	010209-57-1	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052417\
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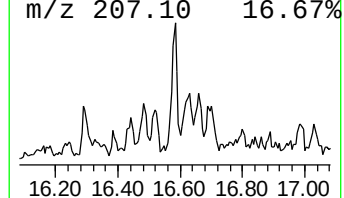
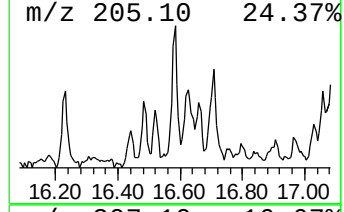
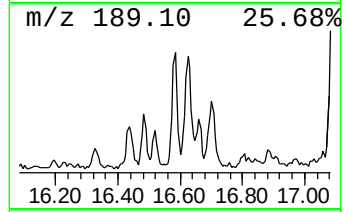
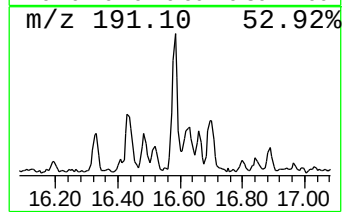
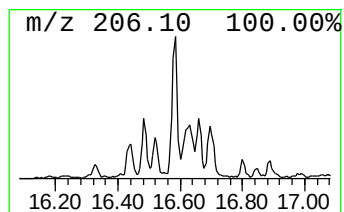
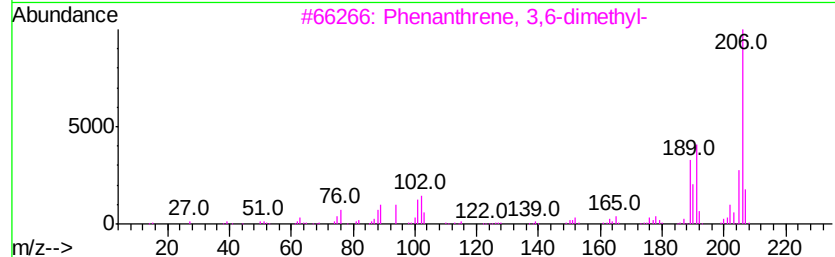
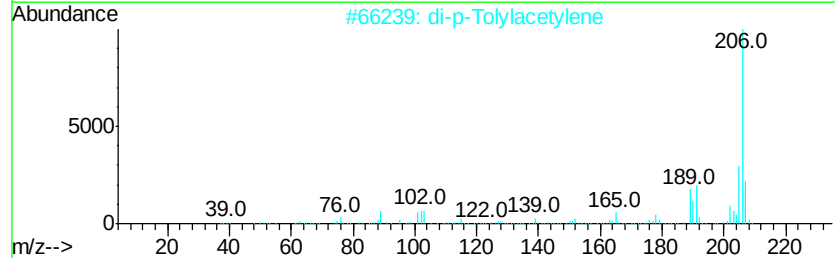
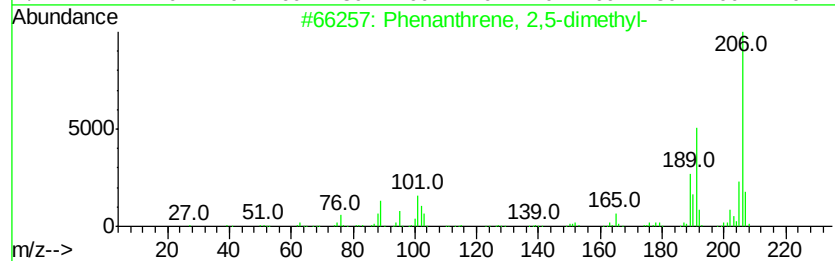
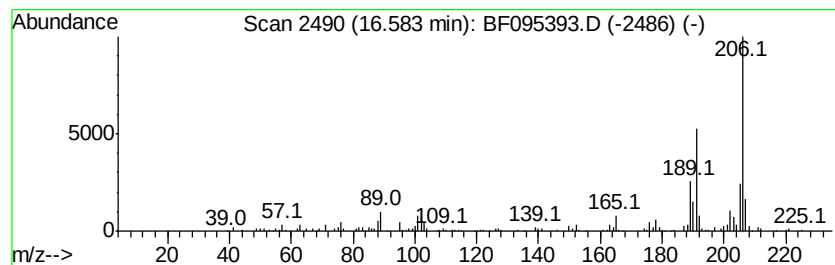
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.
16.58	6.16 ng	201550	Phenanthrene-d10		15.00
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052417\
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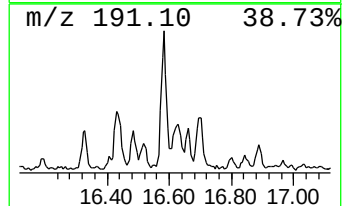
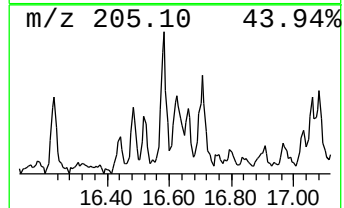
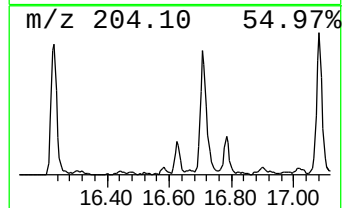
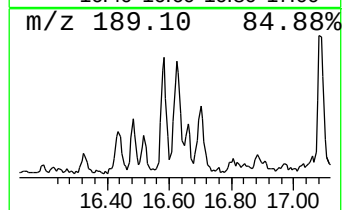
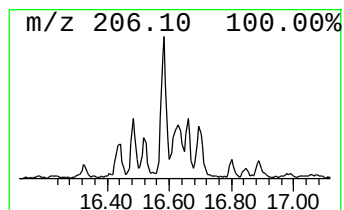
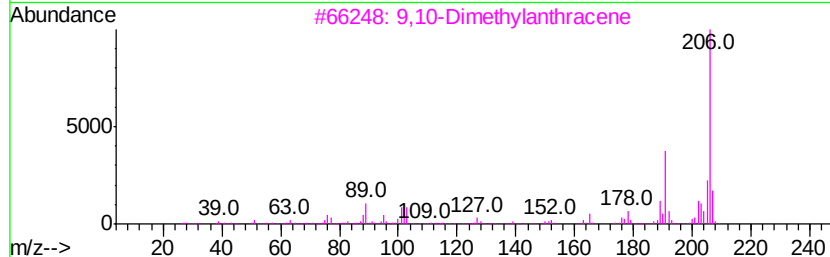
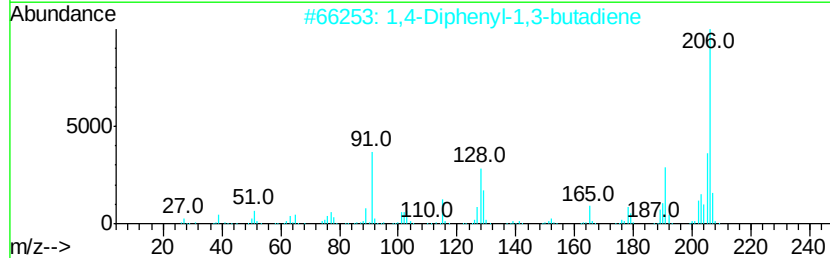
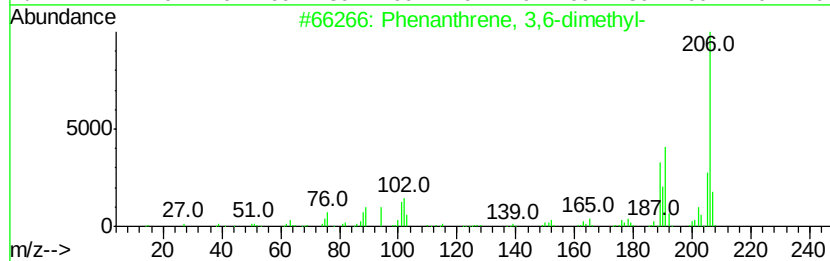
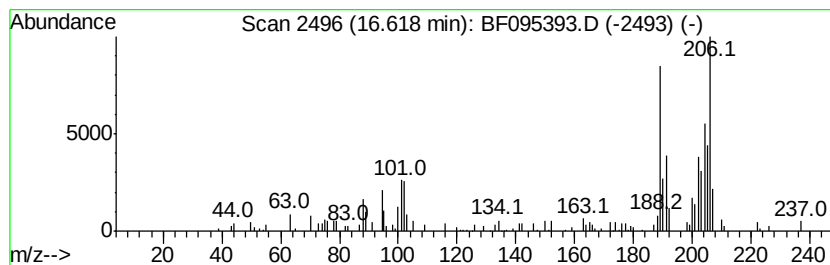
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.62	4.27 ng	139631	Phenanthrene-d10	15.00	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	41
2	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	38
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	30
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	27
5	2-Acetyl-3,5-dimethylbenzo(b)thi...	204	C12H12OS	006179-05-1	27



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
Data File : BF095393.D
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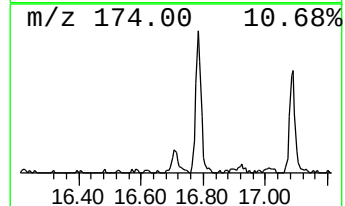
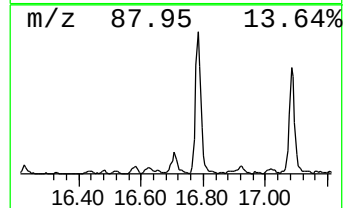
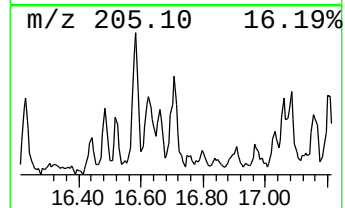
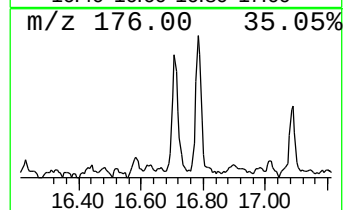
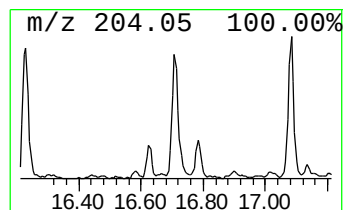
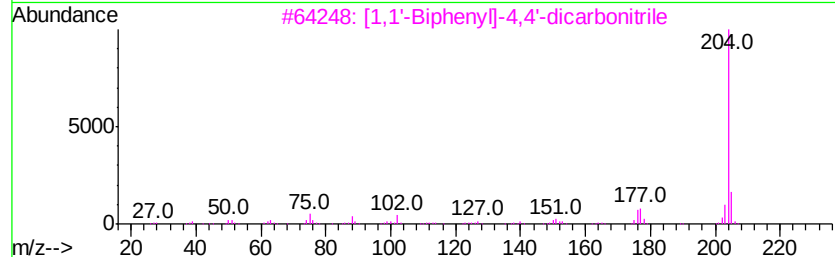
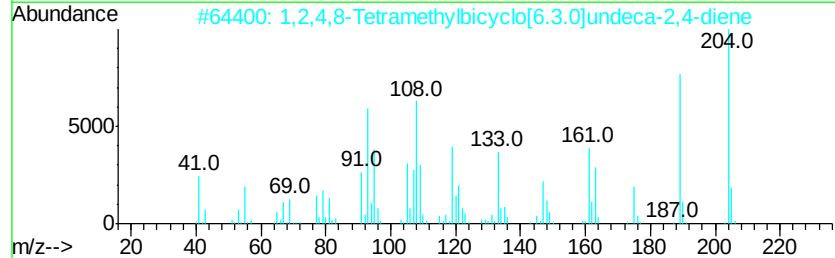
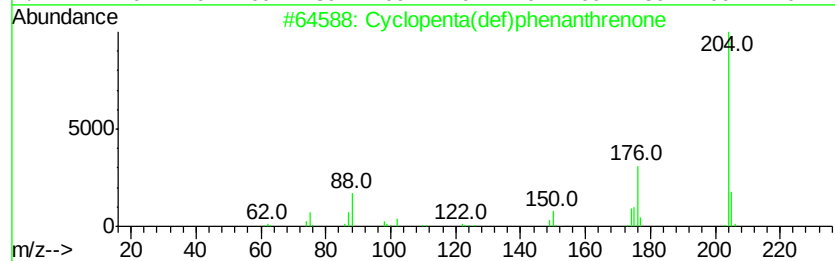
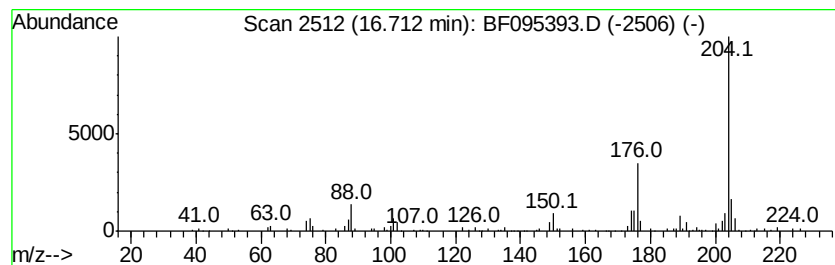
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.71	5.83 ng	190526	Phenanthrene-d10	15.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	55
3		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
4		5-Amino-6,8-dimethoxyquinoline	204	C11H12N2O2	1000213-95-2	47
5		6-Cyanophenanthridine	204	C14H8N2	002176-28-5	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
Data File : BF095393.D
Acq On : 24 May 2017 17:23
Operator : SJ/MA
Sample : I3200-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

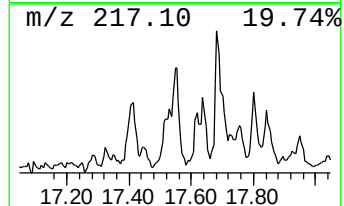
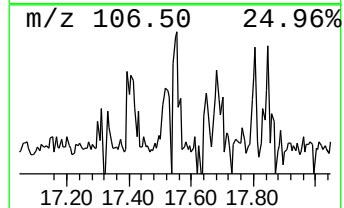
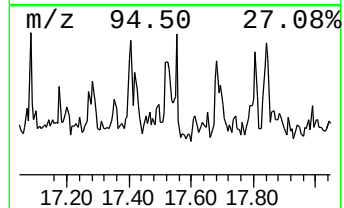
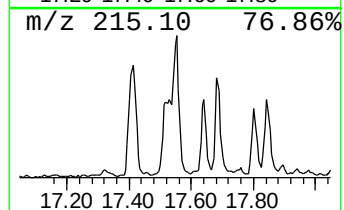
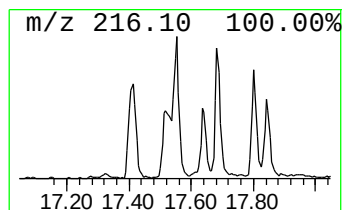
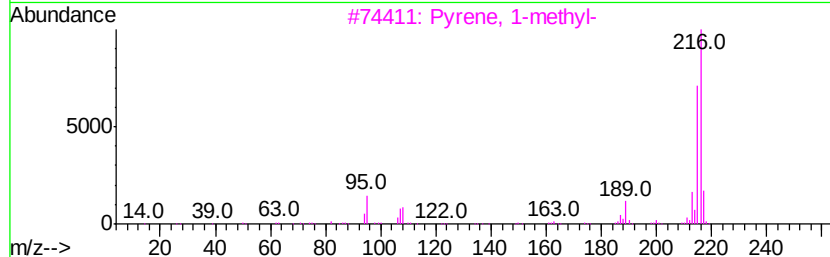
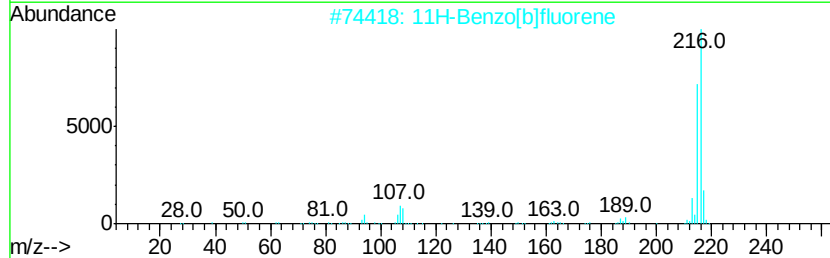
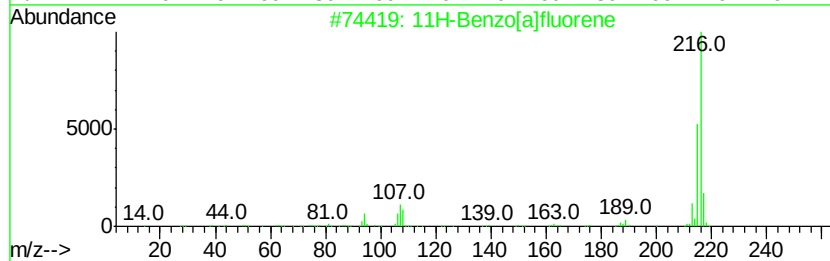
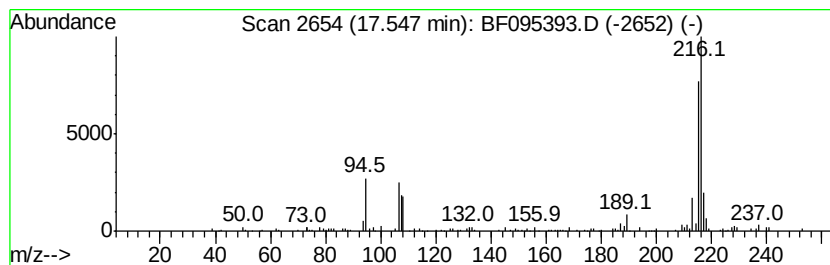
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 11H-Benzo[a]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.55	2.79 ng	206453	Chrysene-d12	18.68
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 76
2		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 76
3		Pvrene, 1-methyl-	216 C17H12	002381-21-7 53
4		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 52
5		Hydrazidiamantane	216 C14H20N2	1000138-39-6 47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
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Sample : I3200-06
Misc :
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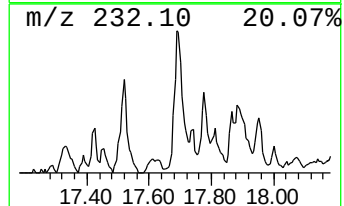
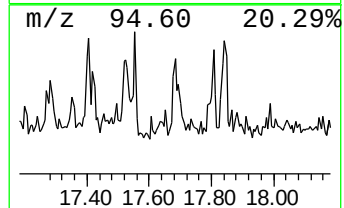
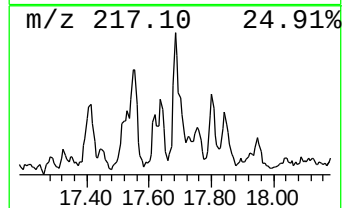
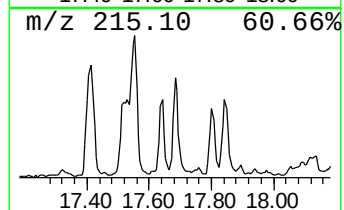
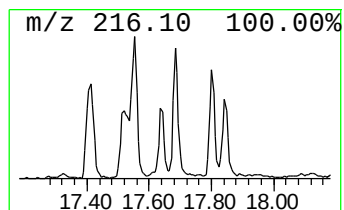
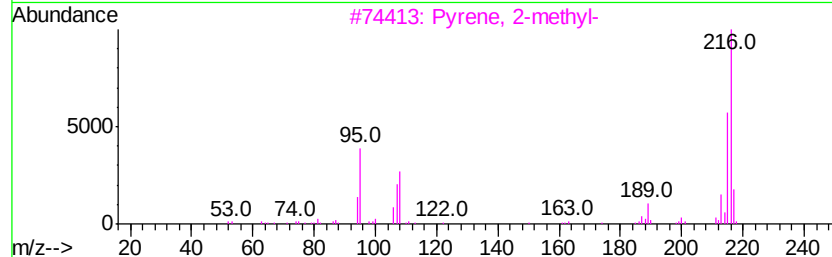
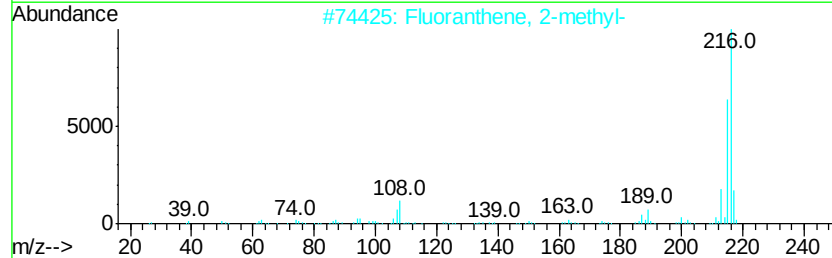
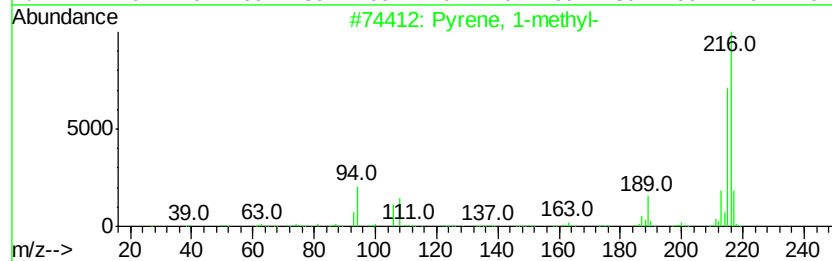
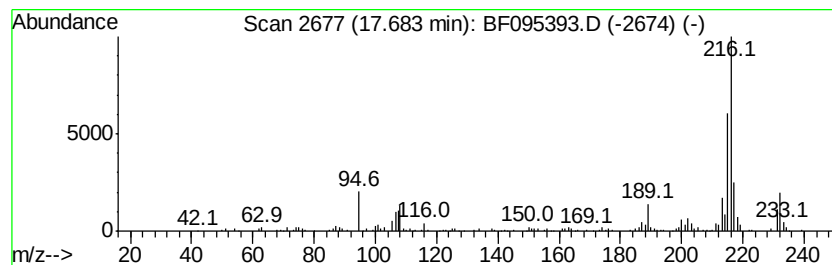
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.
17.68	4.61 ng	340616	Chrysene-d12		18.68
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	60



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
Data File : BF095393.D
Acq On : 24 May 2017 17:23
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Sample : I3200-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
POST-EX-38-20170517

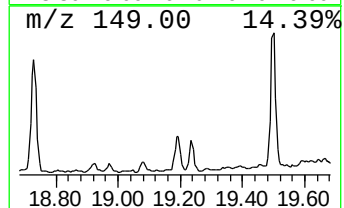
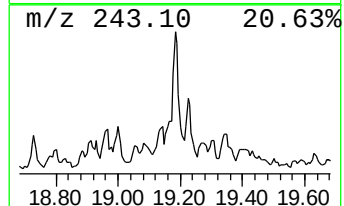
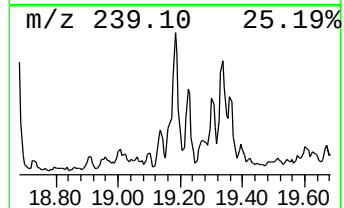
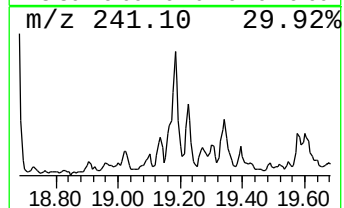
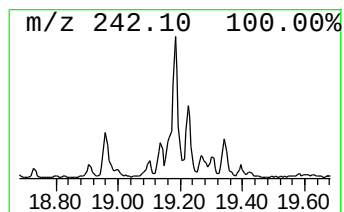
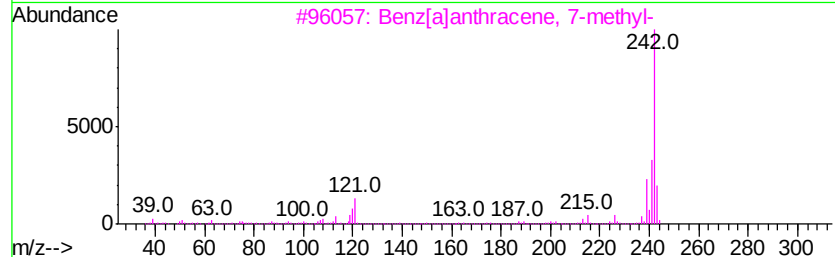
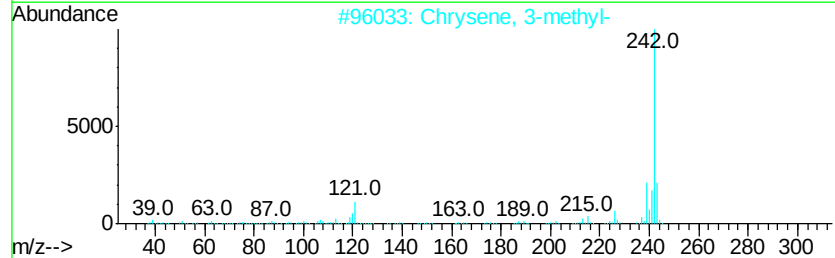
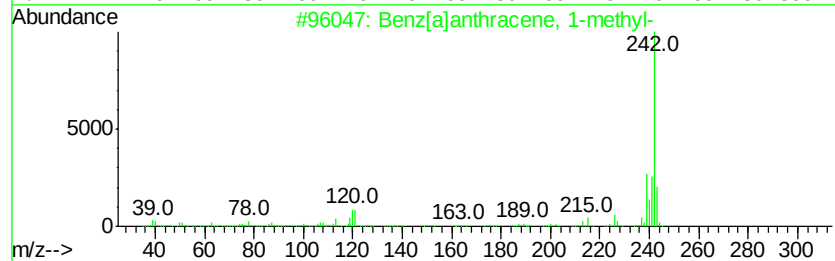
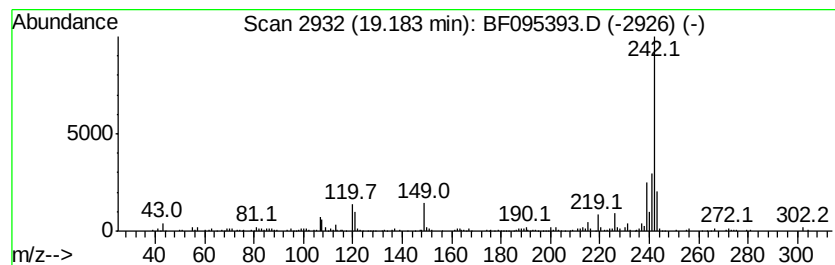
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benz[a]anthracene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.18	4.54 ng	335479	Chrysene-d12	18.68

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	96
2			Chrysene, 3-methyl-	242	C19H14	003351-31-3	95
3			Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
4			Chrysene, 1-methyl-	242	C19H14	003351-28-8	94
5			Triphenylene, 2-methyl-	242	C19H14	001705-84-6	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052417\
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Acq On : 24 May 2017 17:23
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Misc :
ALS Vial : 12 Sample Multiplier: 1

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ClientSampleId :
POST-EX-38-20170517

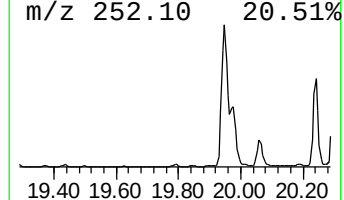
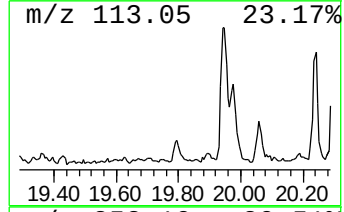
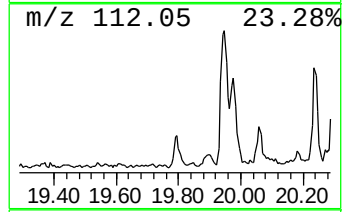
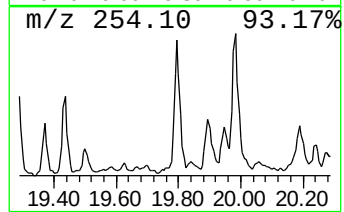
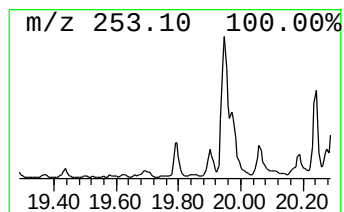
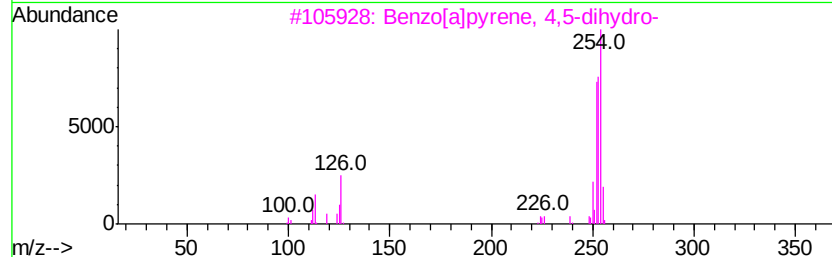
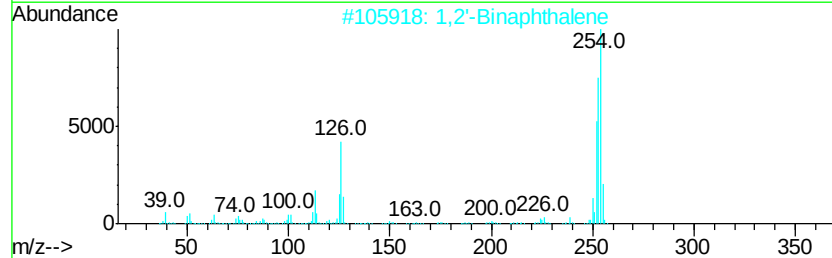
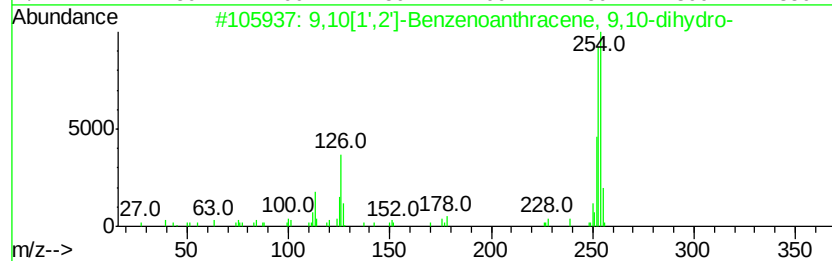
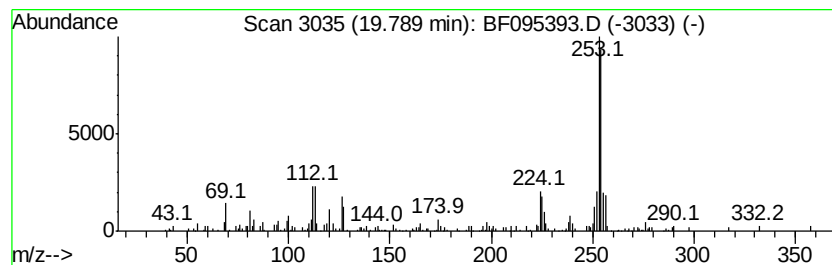
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 9,10[1',2']-Benzenoanthracene... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.79	4.26 ng	82797	Perylene-d12	20.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	68
2		1,2'-Binaphthalene	254	C20H14	004325-74-0	64
3		Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	64
4		4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	64
5		1,1'-Binaphthalene	254	C20H14	000604-53-5	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
Data File : BF095393.D
Acq On : 24 May 2017 17:23
Operator : SJ/MA
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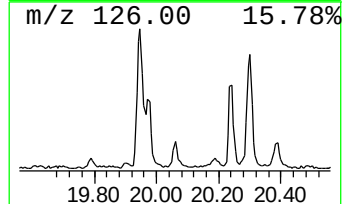
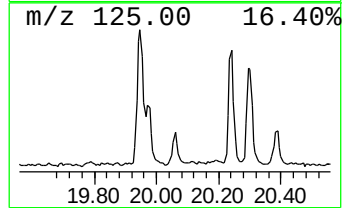
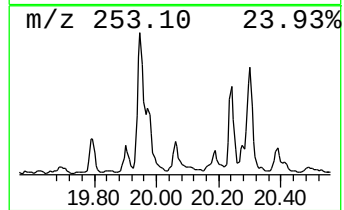
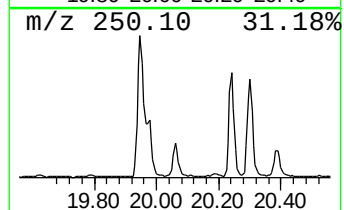
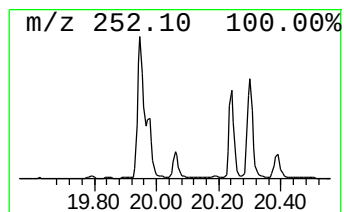
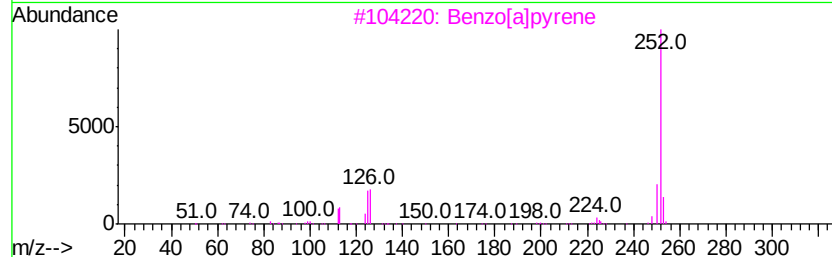
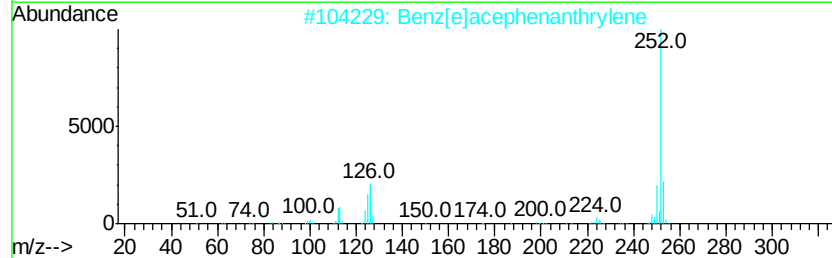
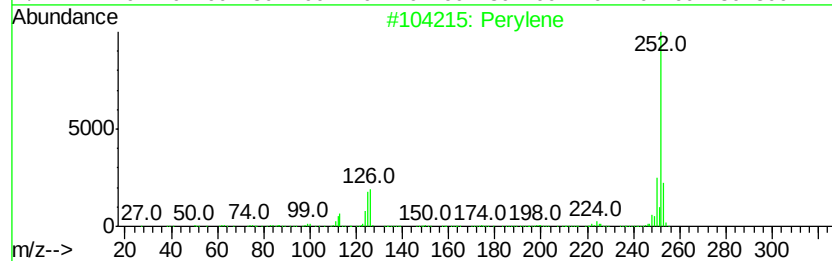
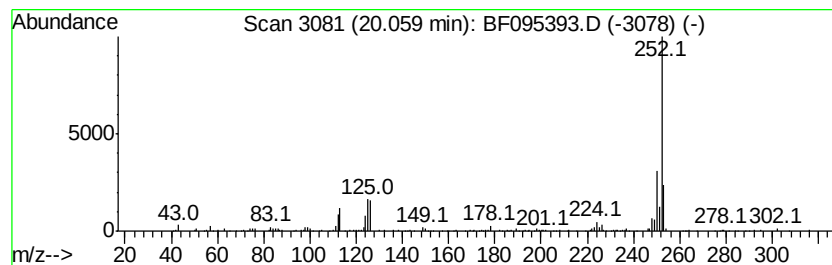
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.06	13.44 ng	261551	Perylene-d12	20.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	98
2		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
3		Benzo[a]pyrene	252	C20H12	000050-32-8	95
4		Benzo[e]pyrene	252	C20H12	000192-97-2	95
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
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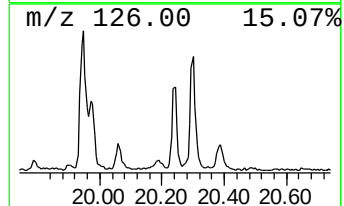
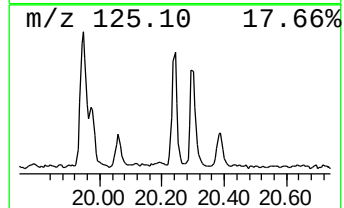
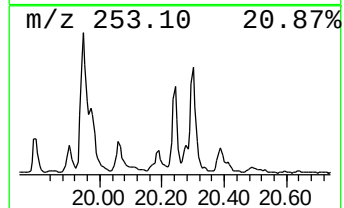
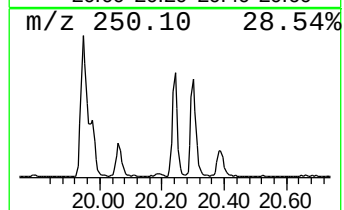
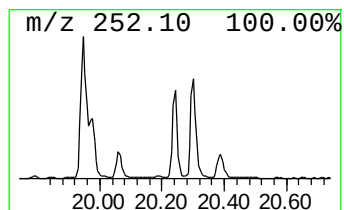
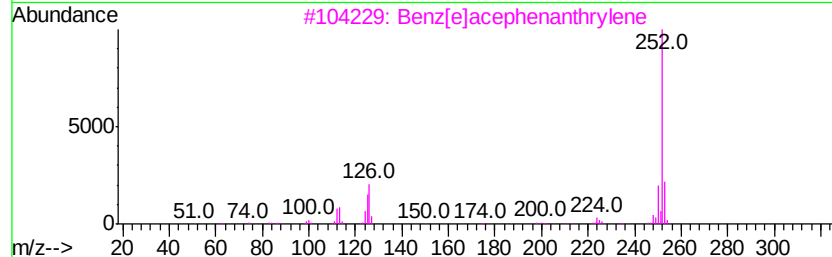
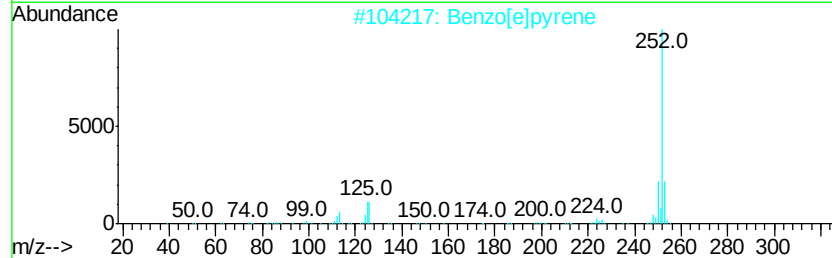
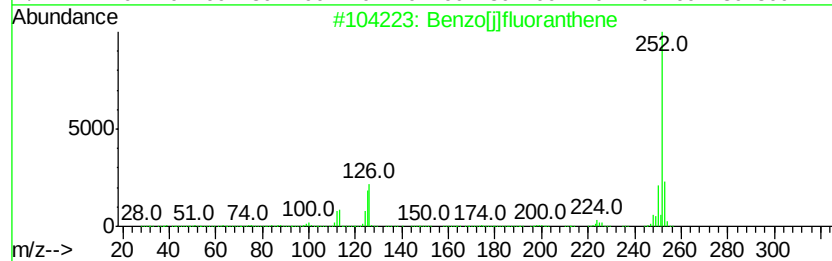
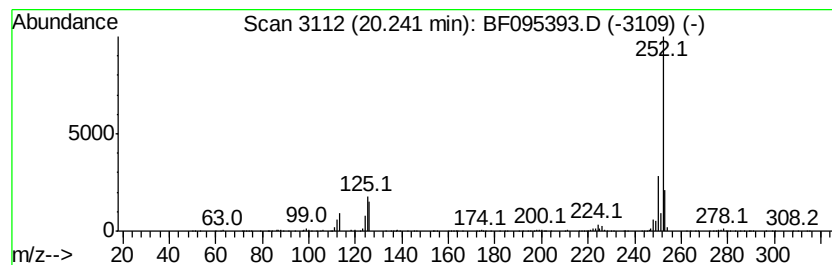
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[j]fluoranthene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.24	28.47 ng	553860	Perylene-d12	20.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[i]fluoranthene	252	C20H12	000205-82-3	98
2		Benzo[e]pyrene	252	C20H12	000192-97-2	98
3		Benzo[a]acephenanthrylene	252	C20H12	000205-99-2	96
4		Perylene	252	C20H12	000198-55-0	96
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052417\
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Misc :
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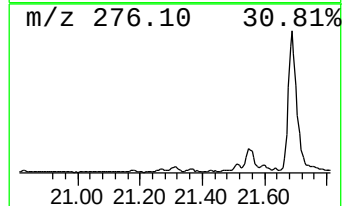
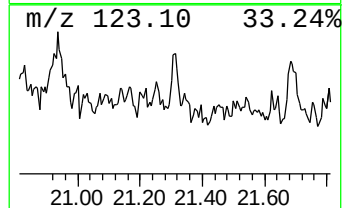
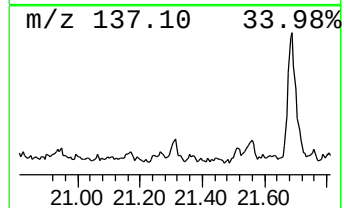
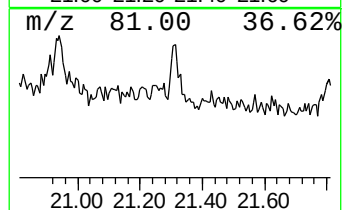
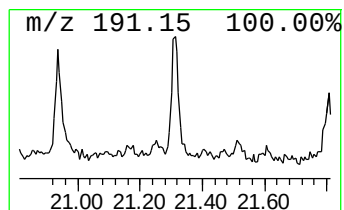
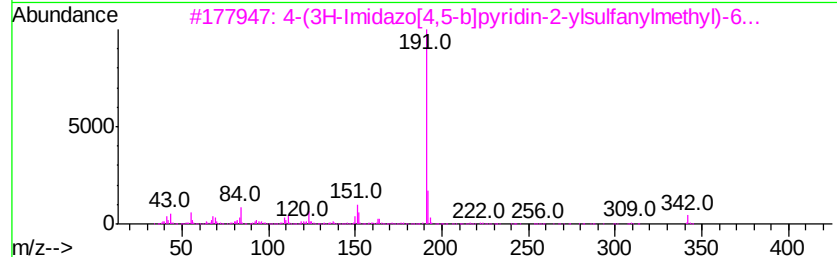
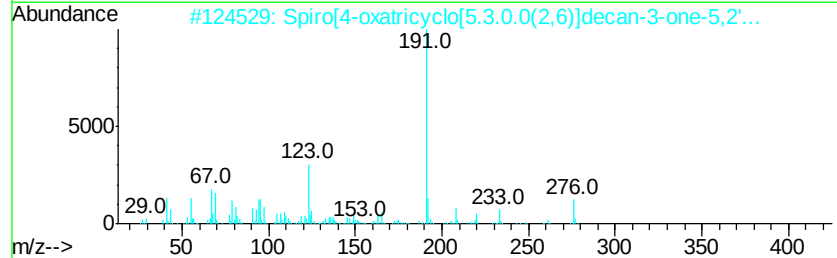
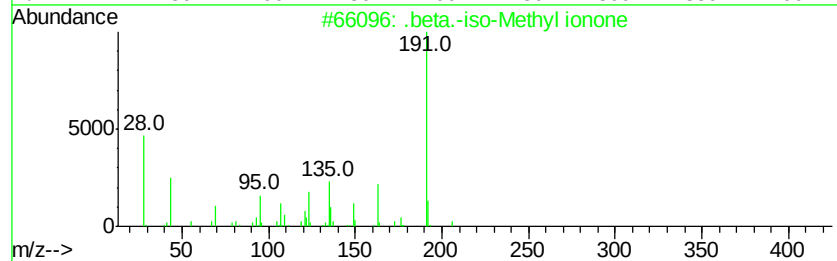
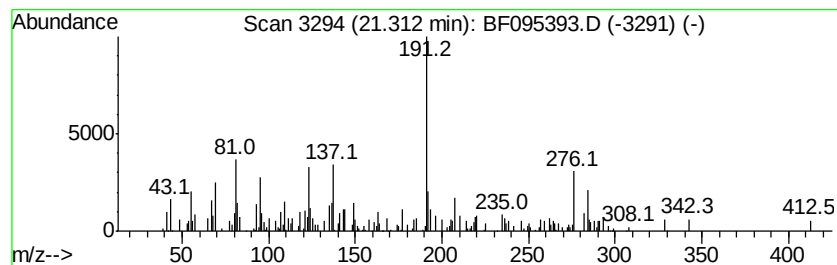
Instrument :
BNA_F
ClientSampleId :
POST-EX-38-20170517

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 19 .beta.-iso-Methyl ionone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.		
21.31	3.32 ng	64597	Perylene-d12	20.35		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	60
2		Spiro[4-oxatricyclo[5.3.0.0(2,6)...	276	C18H28O2	1000156-82-9	50
3		4-(3H-Imidazo[4,5-b]pyridin-2-yl...	342	C15H18N8S	1000276-08-2	35
4		Phenol, 2,5-bis(1,1-dimethylethyl)-	206	C14H22O	005875-45-6	30
5		Anthracene, 9-propyl-	220	C17H16	001498-77-7	27



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
Data File : BF095393.D
Acq On : 24 May 2017 17:23
Operator : SJ/MA
Sample : I3200-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

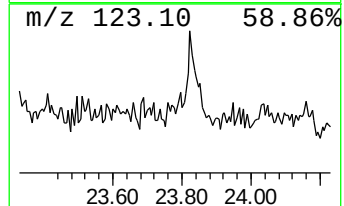
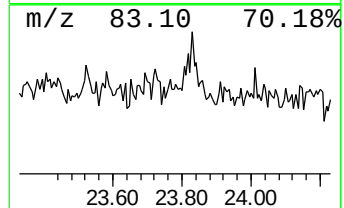
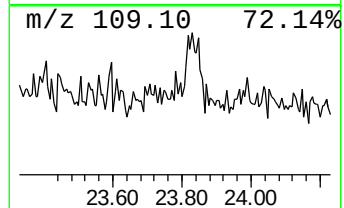
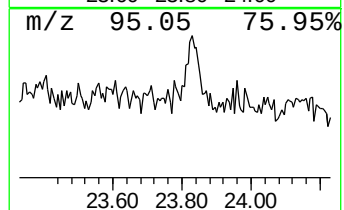
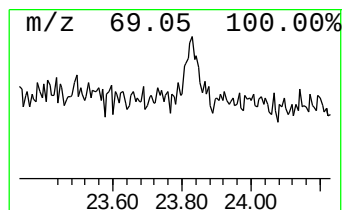
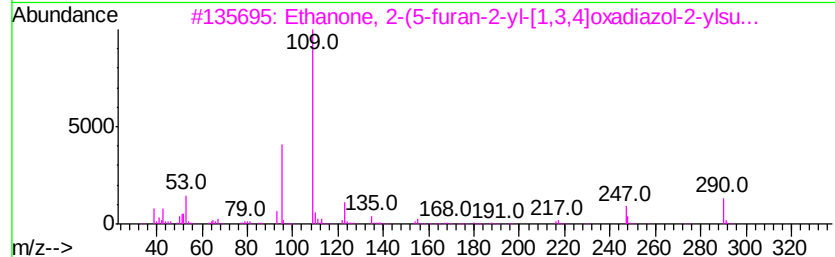
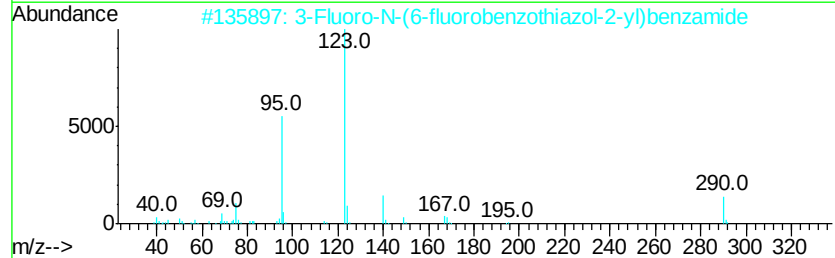
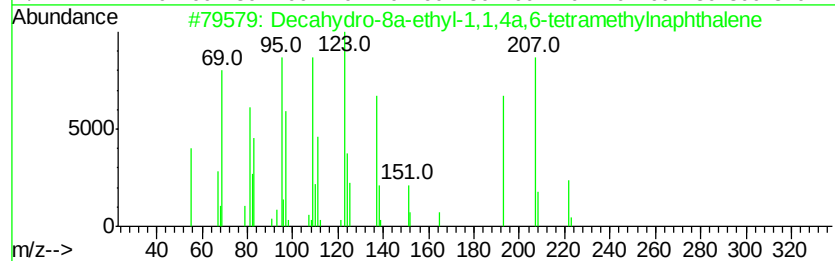
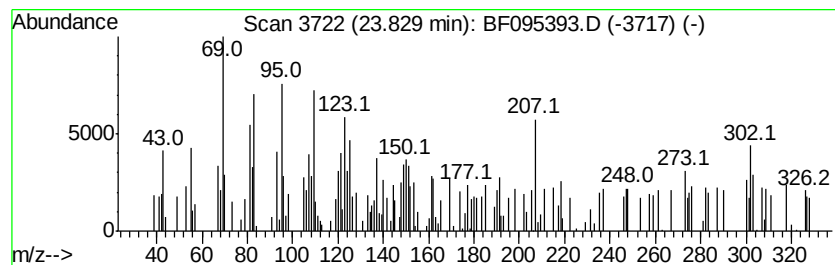
Instrument :
BNA_F
ClientSampleId :
POST-EX-38-20170517

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

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

Peak Number 20 unknown23.83 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
23.83	6.31 ng	122698	Perylene-d12	20.35	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-8a-ethyl-1,1,4a,6-tetr...	222	C16H30	1000100-23-6	40
2	3-Fluoro-N-(6-fluorobenzothiazol...	290	C14H8F2N2OS	1000322-51-1	25
3	Ethanone, 2-(5-furan-2-yl-[1,3,4...	290	C13H10N2O4S	1000309-96-3	25
4	Cyclohexene, 4-pentyl-1-(4-propyl...	276	C20H36	108067-17-0	25
5	2(1H)-Naphthalenone, 5-[2-(3-fur...	302	C20H30O2	059742-40-4	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052417\
 Data File : BF095393.D
 Acq On : 24 May 2017 17:23
 Operator : SJ/MA
 Sample : I3200-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-38-20170517

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...	5.11	10.8	ng	287352	1	7.75	530308	20.0
unknown7.41	7.41	87.0	ng	2306920	1	7.75	530308	20.0
Anthracene, 1-met...	15.79	5.9	ng	193327	4	15.00	654006	20.0
Phenanthrene, 2-m...	15.83	7.5	ng	244053	4	15.00	654006	20.0
4H-Cyclopenta[def...	15.94	7.3	ng	239042	4	15.00	654006	20.0
Naphthalene, 2-ph...	16.22	3.9	ng	126613	4	15.00	654006	20.0
9,10-Anthracenedione	16.29	3.2	ng	103736	4	15.00	654006	20.0
Phenanthrene, 2,5...	16.58	6.2	ng	201550	4	15.00	654006	20.0
Phenanthrene, 3,6...	16.62	4.3	ng	139631	4	15.00	654006	20.0
Cyclopenta(def)ph...	16.71	5.8	ng	190526	4	15.00	654006	20.0
11H-Benzo[a]fluorene	17.55	2.8	ng	206453	5	18.68	1477890	20.0
Pyrene, 1-methyl-	17.68	4.6	ng	340616	5	18.68	1477890	20.0
Benz[a]anthracene...	19.18	4.5	ng	335479	5	18.68	1477890	20.0
9,10[1',2']-Benze...	19.79	4.3	ng	82797	6	20.35	389073	20.0
Perylene	20.06	13.4	ng	261551	6	20.35	389073	20.0
Benzo[j]fluoranthene	20.24	28.5	ng	553860	6	20.35	389073	20.0
.beta.-iso-Methyl...	21.31	3.3	ng	64597	6	20.35	389073	20.0
unknown23.83	23.83	6.3	ng	122698	6	20.35	389073	20.0