

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
 Data File : BF095458.D
 Acq On : 26 May 2017 13:41
 Operator : SJ/MA
 Sample : I3240-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP2-WC6(0-6.5)

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	5.090	530	536	562	rBV	148256	485828	11.93%	0.810%
2	5.707	637	641	679	rBV	723015	1955782	48.04%	3.263%
3	7.284	906	909	926	rBV	732077	1719171	42.23%	2.868%
4	7.407	926	930	948	rVB	1268006	2166125	53.20%	3.614%
5	7.742	982	987	996	rBV	408013	531937	13.07%	0.887%
6	7.978	1022	1027	1041	rBV	1199573	1568529	38.53%	2.617%
7	8.642	1136	1140	1175	rBV	524480	1198542	29.44%	1.999%
8	9.766	1326	1331	1356	rBV	379007	842356	20.69%	1.405%
9	10.942	1526	1531	1539	rBV	40909	69876	1.72%	0.117%
10	11.089	1552	1556	1568	rBV	37034	64338	1.58%	0.107%
11	11.530	1626	1631	1645	rBV	1459634	2116470	51.98%	3.531%
12	12.071	1717	1723	1727	rBV	55123	86317	2.12%	0.144%
13	12.236	1746	1751	1769	rBV	152536	320834	7.88%	0.535%
14	12.595	1807	1812	1817	rBV2	564426	836614	20.55%	1.396%
15	12.648	1817	1821	1829	rVB	386523	539353	13.25%	0.900%
16	12.942	1866	1871	1881	rBV	191373	318165	7.81%	0.531%
17	13.489	1958	1964	1972	rVV	398714	559331	13.74%	0.933%
18	13.624	1985	1987	1992	rVB2	68463	89064	2.19%	0.149%
19	13.765	2007	2011	2019	rVB	116669	161192	3.96%	0.269%
20	13.895	2028	2033	2042	rBV	795266	1267637	31.13%	2.115%
21	13.965	2042	2045	2055	rVB4	50903	79262	1.95%	0.132%
22	14.395	2111	2118	2122	rBV2	108753	204445	5.02%	0.341%
23	14.436	2122	2125	2129	rVB	56471	70892	1.74%	0.118%
24	14.518	2129	2139	2144	rVB6	41986	123995	3.05%	0.207%
25	14.618	2151	2156	2159	rBV3	78355	129368	3.18%	0.216%
26	14.724	2170	2174	2179	rBV	130017	178113	4.37%	0.297%
27	14.783	2179	2184	2188	rBV2	92763	167267	4.11%	0.279%
28	14.830	2188	2192	2196	rVB	177401	216487	5.32%	0.361%
29	14.995	2215	2220	2223	rBV	548926	686551	16.86%	1.145%
30	15.042	2223	2228	2235	rVV	2924054	3959547	97.25%	6.606%
31	15.118	2236	2241	2251	rVB	897108	1240869	30.48%	2.070%
32	15.207	2251	2256	2261	rBV3	101371	182115	4.47%	0.304%
33	15.371	2280	2284	2287	rBV	63539	95157	2.34%	0.159%
34	15.407	2287	2290	2299	rVV	244228	417718	10.26%	0.697%

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Integration Parameters: rteint.p
 Integrator: RTE
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 Sampling : 1
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.477	2299	2302	2305	rVV	64412	75856	1.86%	0.127%
36	15.518	2305	2309	2314	rVB4	58662	85884	2.11%	0.143%
37	15.565	2314	2317	2323	rBV5	35502	68266	1.68%	0.114%
38	15.642	2327	2330	2338	rVB3	43490	78894	1.94%	0.132%
39	15.777	2348	2353	2356	rBV	442758	482872	11.86%	0.806%
40	15.818	2356	2360	2364	rVB	501090	572426	14.06%	0.955%
41	15.889	2369	2372	2375	rVV	217266	231557	5.69%	0.386%
42	15.930	2375	2379	2382	rVV2	551110	778964	19.13%	1.300%
43	15.965	2382	2385	2391	rVB	323842	476009	11.69%	0.794%
44	16.083	2399	2405	2408	rBV4	44523	82569	2.03%	0.138%
45	16.124	2408	2412	2415	rVV	65684	107357	2.64%	0.179%
46	16.183	2419	2422	2424	rVV3	52485	63707	1.56%	0.106%
47	16.218	2424	2428	2435	rVV	291252	377835	9.28%	0.630%
48	16.277	2435	2438	2443	rVV	186832	263306	6.47%	0.439%
49	16.424	2459	2463	2467	rBV2	98504	130791	3.21%	0.218%
50	16.471	2467	2471	2474	rBV	88260	115723	2.84%	0.193%
51	16.506	2475	2477	2481	rVB	57323	65779	1.62%	0.110%
52	16.571	2484	2488	2492	rBV	227846	312478	7.67%	0.521%
53	16.618	2492	2496	2500	rVB3	112820	148254	3.64%	0.247%
54	16.654	2500	2502	2505	rVB	76593	66144	1.62%	0.110%
55	16.701	2505	2510	2517	rBV3	200893	336424	8.26%	0.561%
56	16.789	2519	2525	2528	rBV	3070012	4071439	100.00%	6.792%
57	16.877	2535	2540	2551	rBV4	89989	238481	5.86%	0.398%
58	16.977	2553	2557	2560	rBV	104527	125886	3.09%	0.210%
59	17.089	2571	2576	2580	rVB2	2715248	3810284	93.59%	6.356%
60	17.171	2585	2590	2593	rBV	106441	133988	3.29%	0.224%
61	17.201	2593	2595	2603	rVB4	71510	111830	2.75%	0.187%
62	17.271	2603	2607	2611	rBV	239820	299365	7.35%	0.499%
63	17.318	2611	2615	2622	rBV	1253516	1580112	38.81%	2.636%
64	17.406	2626	2630	2635	rVB	206220	301541	7.41%	0.503%
65	17.512	2644	2648	2651	rBV	171829	298496	7.33%	0.498%
66	17.548	2651	2654	2658	rVB2	449619	565415	13.89%	0.943%
67	17.630	2659	2668	2673	rBV	330178	514181	12.63%	0.858%
68	17.677	2673	2676	2683	rBV4	392456	679787	16.70%	1.134%
69	17.795	2693	2696	2700	rVB	157327	168836	4.15%	0.282%
70	17.836	2700	2703	2708	rBV	115208	169351	4.16%	0.283%
71	17.977	2724	2727	2732	rVB4	76433	108512	2.67%	0.181%

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

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72	18.106	2743	2749	2759	rVB4	62073	171640	4.22%	0.286%
73	18.189	2760	2763	2767	rVV5	54483	82898	2.04%	0.138%
74	18.236	2767	2771	2778	rVB	219204	348187	8.55%	0.581%
75	18.348	2786	2790	2792	rVV2	166169	216532	5.32%	0.361%
76	18.377	2792	2795	2798	rVV2	351687	427634	10.50%	0.713%
77	18.412	2798	2801	2804	rVV	201105	272785	6.70%	0.455%
78	18.448	2805	2807	2812	rVB2	144677	169082	4.15%	0.282%
79	18.506	2813	2817	2822	rVV	220428	312869	7.68%	0.522%
80	18.565	2823	2827	2833	rVB2	103635	176429	4.33%	0.294%
81	18.665	2839	2844	2848	rBV2	1549323	2523061	61.97%	4.209%
82	18.712	2848	2852	2860	rVV	1424357	2120584	52.08%	3.538%
83	18.800	2863	2867	2876	rVB2	217232	313956	7.71%	0.524%
84	18.953	2890	2893	2897	rVV2	170917	215326	5.29%	0.359%
85	18.995	2897	2900	2906	rVB	134637	176808	4.34%	0.295%
86	19.177	2927	2931	2935	rVV	303308	451034	11.08%	0.752%
87	19.218	2936	2938	2943	rVB2	153379	192003	4.72%	0.320%
88	19.336	2955	2958	2960	rBV3	78772	107004	2.63%	0.179%
89	19.606	3000	3004	3011	rVB5	116674	239031	5.87%	0.399%
90	19.689	3015	3018	3026	rVB3	201780	333527	8.19%	0.556%
91	19.789	3031	3035	3040	rBV3	175931	252904	6.21%	0.422%
92	19.947	3057	3062	3073	rBV	1181362	2785201	68.41%	4.646%
93	20.059	3077	3081	3086	rBV	197191	277985	6.83%	0.464%
94	20.242	3107	3112	3118	rBV	682189	967192	23.76%	1.614%
95	20.300	3118	3122	3128	rVV	937335	1400519	34.40%	2.336%
96	20.353	3128	3131	3134	rVV	325881	459173	11.28%	0.766%
97	20.383	3134	3136	3156	rVB2	261988	648048	15.92%	1.081%
98	21.689	3352	3358	3366	rBV2	330944	713346	17.52%	1.190%
99	22.077	3418	3424	3436	rVB	265433	621498	15.26%	1.037%
100	22.306	3458	3463	3473	rVB2	75711	219080	5.38%	0.365%

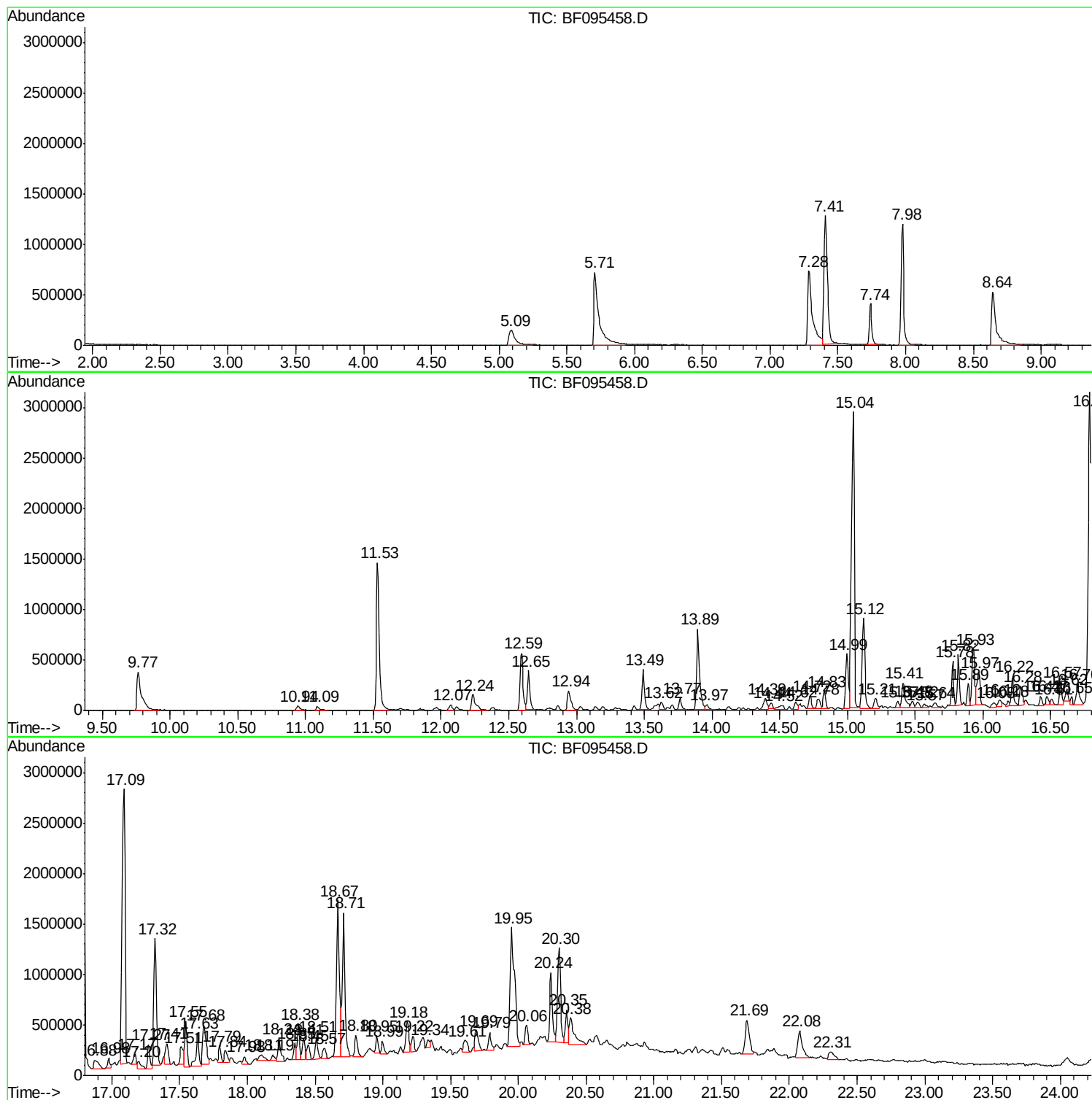
Sum of corrected areas: 59943182

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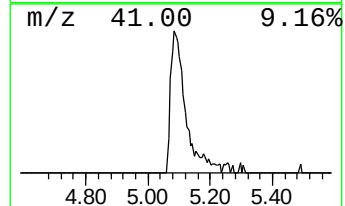
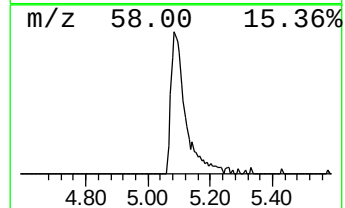
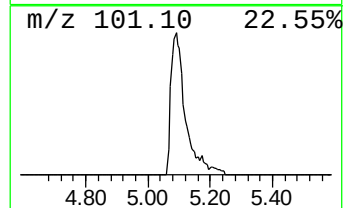
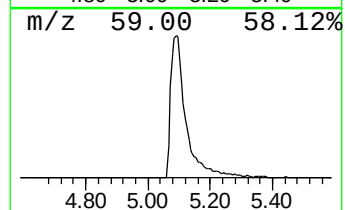
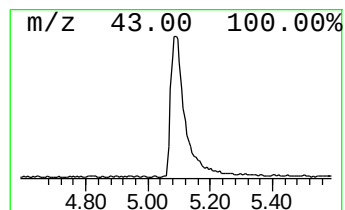
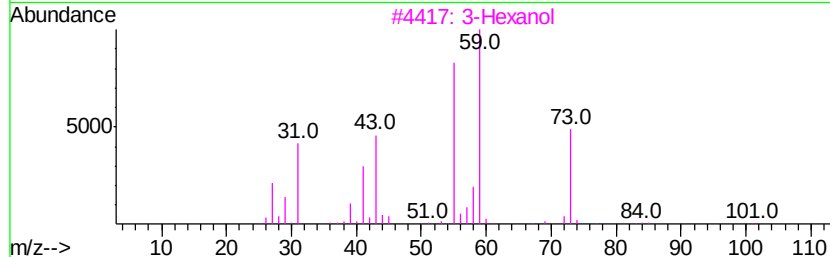
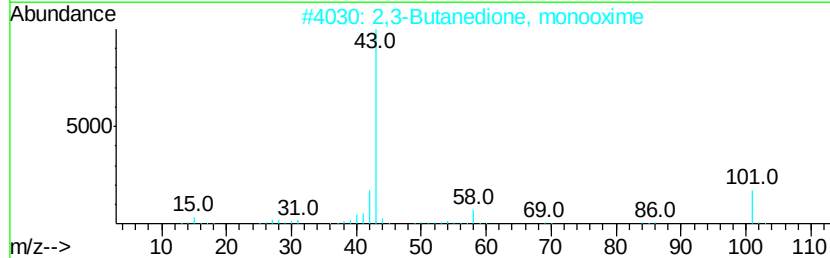
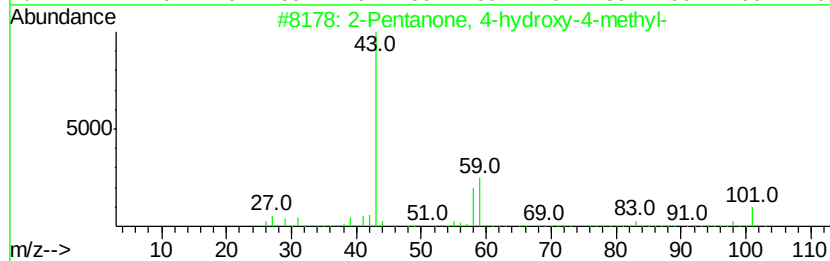
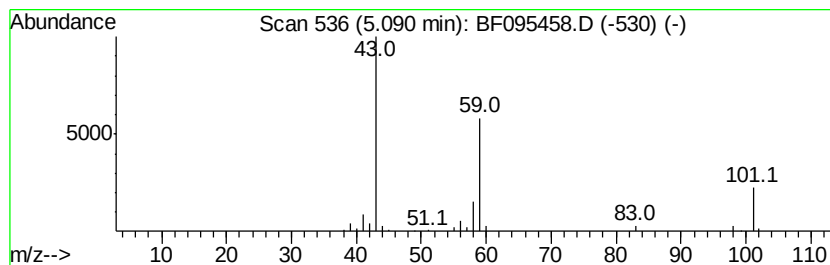
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
5.09	18.27 ng	485828	1,4-Dichlorobenzene-d4	7.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
3		3-Hexanol	102	C6H14O	000623-37-0	28
4		1,2-Butanediol	90	C4H10O2	000584-03-2	25
5		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23



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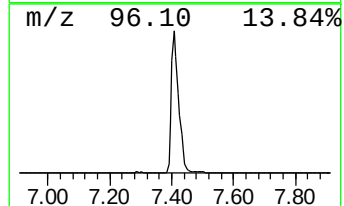
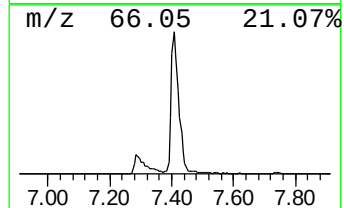
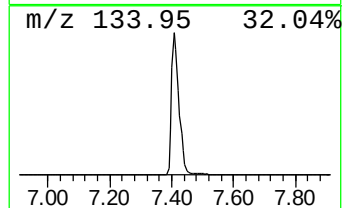
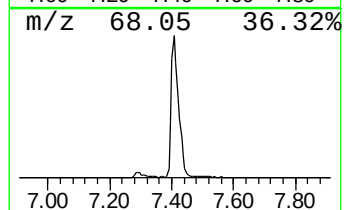
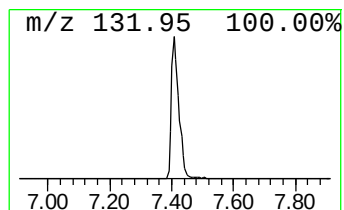
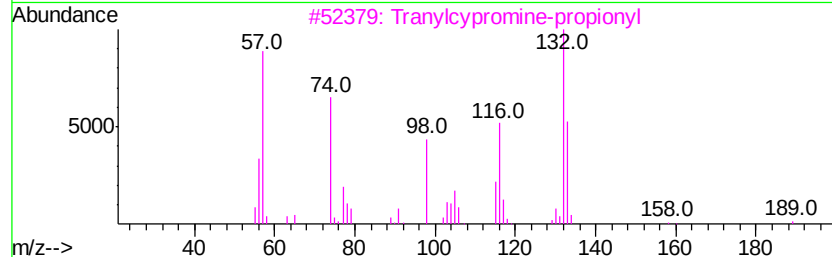
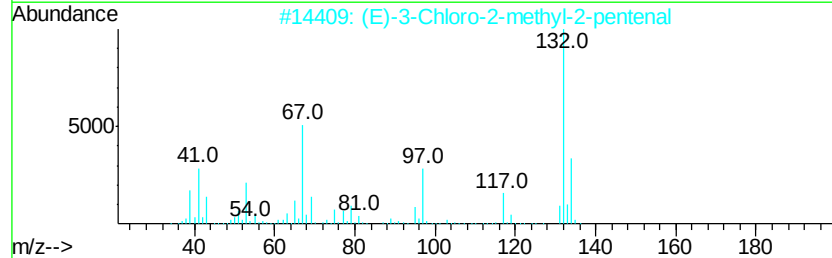
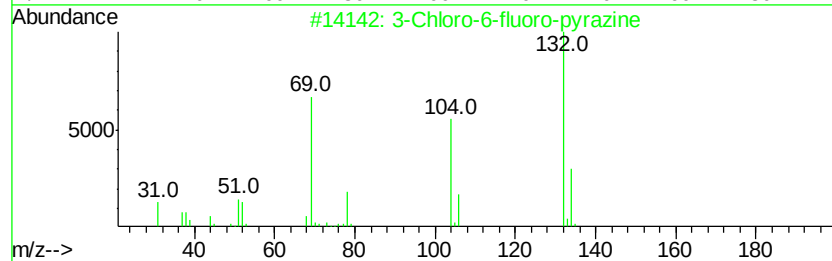
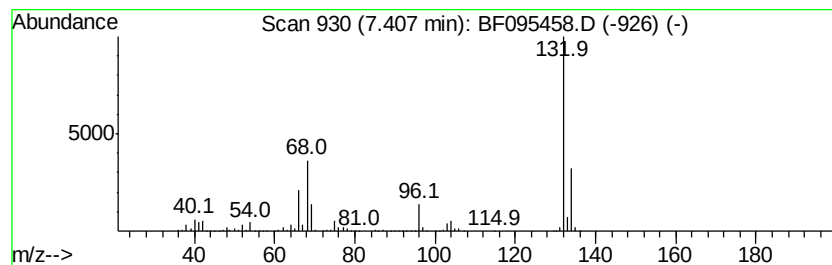
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown7.41 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.41	81.44 ng	2166130	1,4-Dichlorobenzene-d4	7.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	12
4		5-Aminoindole	132	C8H8N2	005192-03-0	12
5		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9



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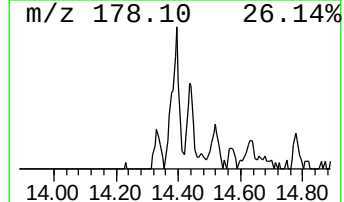
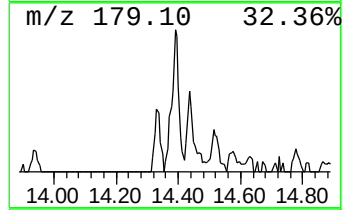
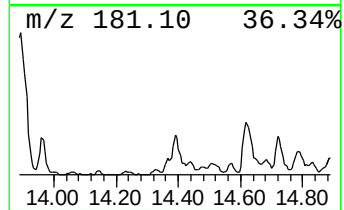
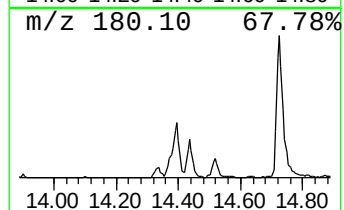
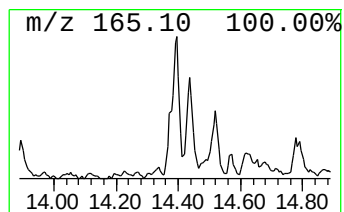
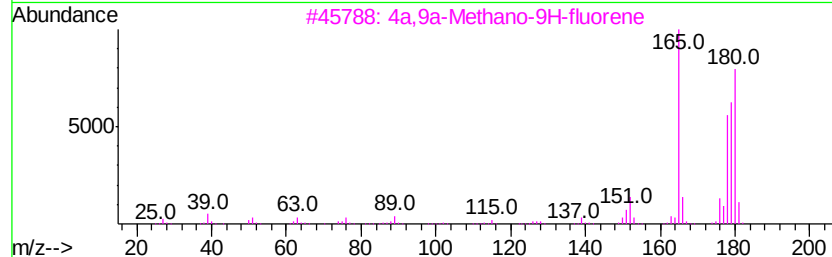
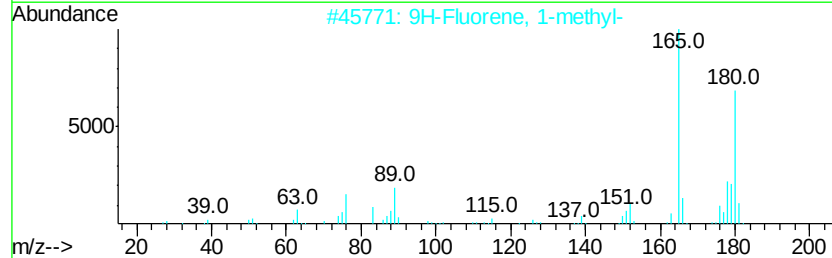
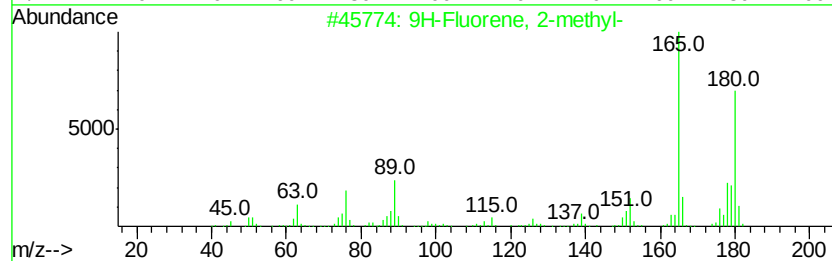
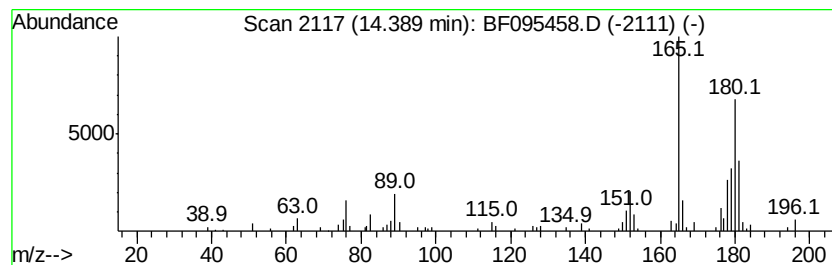
Instrument :
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ClientSampleId :
EP2-WC6(0-6.5)

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 4 9H-Fluorene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.39	5.96 ng	204445	Phenanthrene-d10		14.99	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-		180	C14H12	001430-97-3	90
2	9H-Fluorene, 1-methyl-		180	C14H12	001730-37-6	89
3	4a,9a-Methano-9H-fluorene		180	C14H12	019540-84-2	76
4	9H-Fluorene, 9-methyl-		180	C14H12	002523-37-7	70
5	9H-Fluorene, 3-methyl-		180	C14H12	002523-39-9	70



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095458.D
Acq On : 26 May 2017 13:41
Operator : SJ/MA
Sample : I3240-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EP2-WC6(0-6.5)

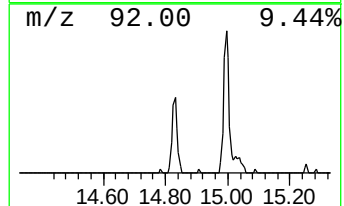
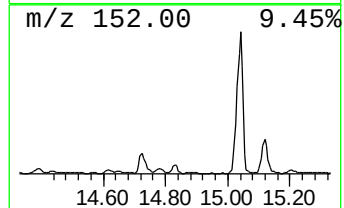
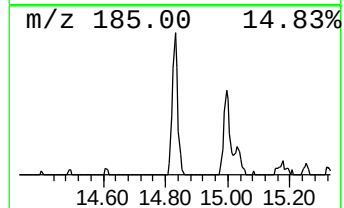
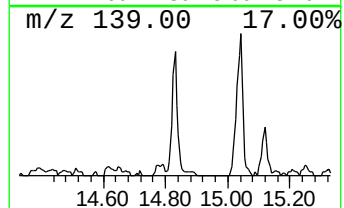
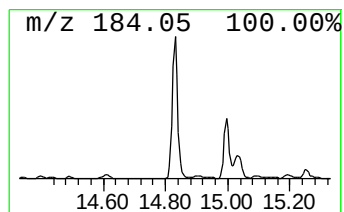
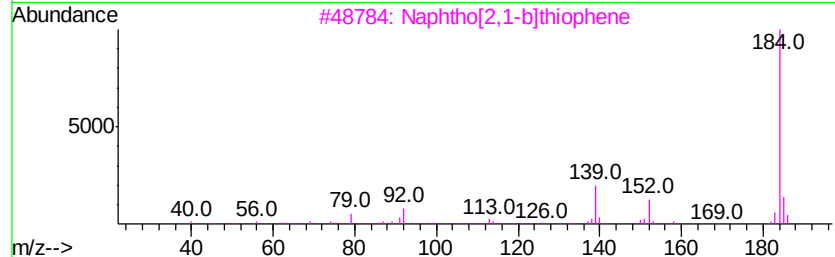
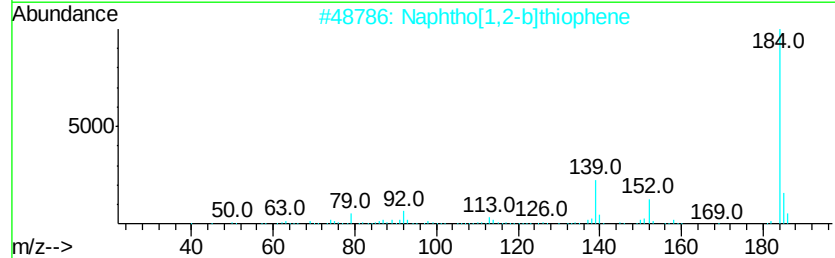
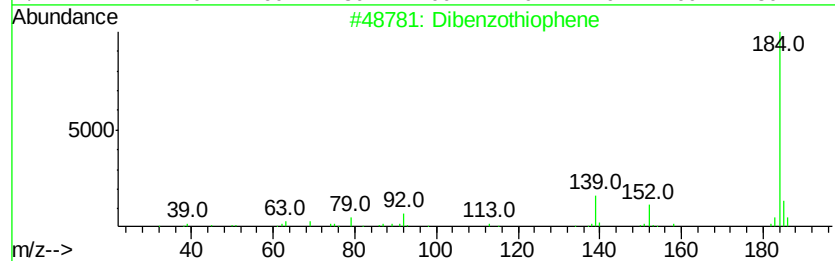
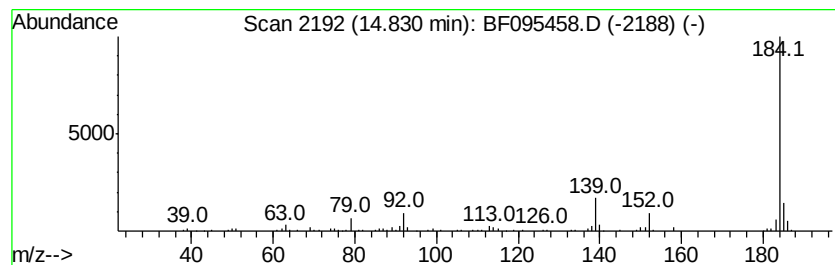
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Dibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	6.31 ng	216487	Phenanthrene-d10	14.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	97
2		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052617\
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Sample : I3240-05
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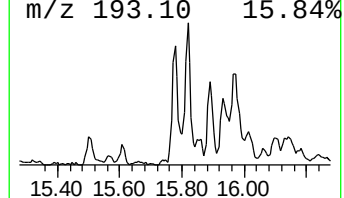
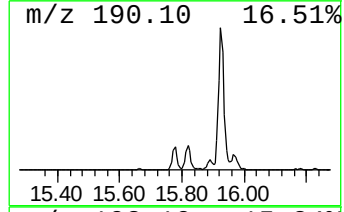
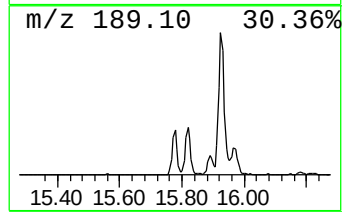
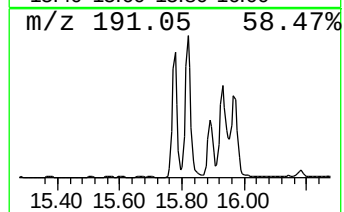
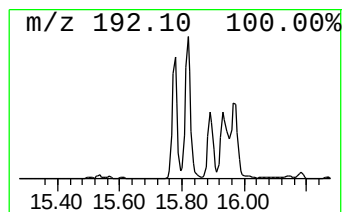
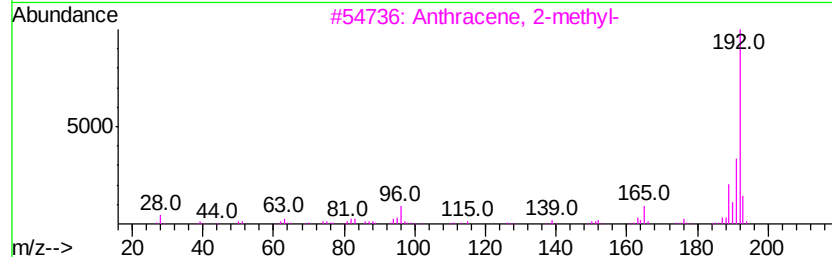
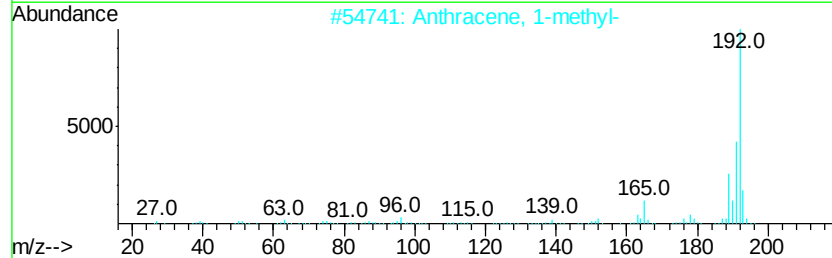
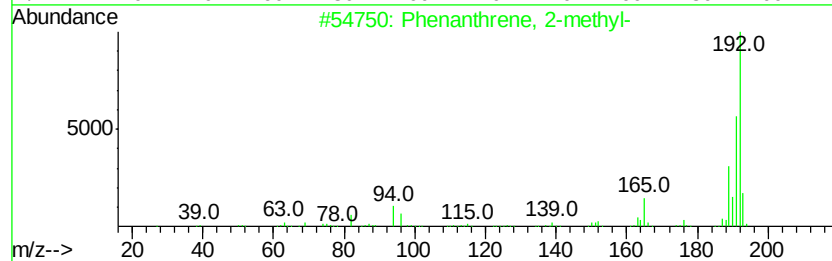
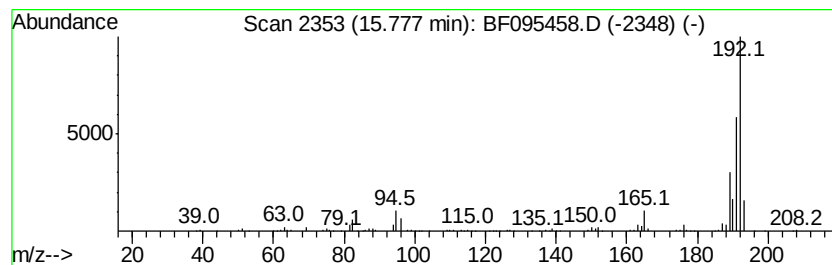
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.78	14.07 ng	482872	Phenanthrene-d10	14.99
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Phenanthrene, 2-methyl-	192 C15H12	002531-84-2	96
2	Anthracene, 1-methyl-	192 C15H12	000610-48-0	94
3	Anthracene, 2-methyl-	192 C15H12	000613-12-7	94
4	Anthracene, 9-methyl-	192 C15H12	000779-02-2	94
5	1H-Indene, 2-phenyl-	192 C15H12	004505-48-0	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095458.D
Acq On : 26 May 2017 13:41
Operator : SJ/MA
Sample : I3240-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
EP2-WC6(0-6.5)

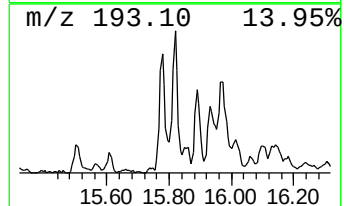
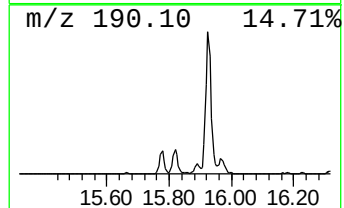
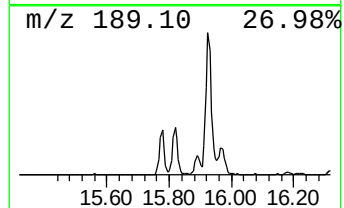
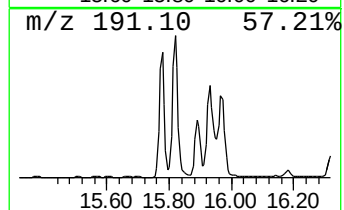
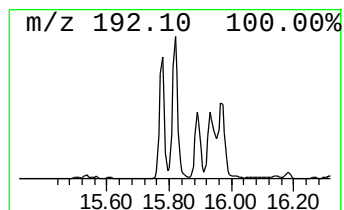
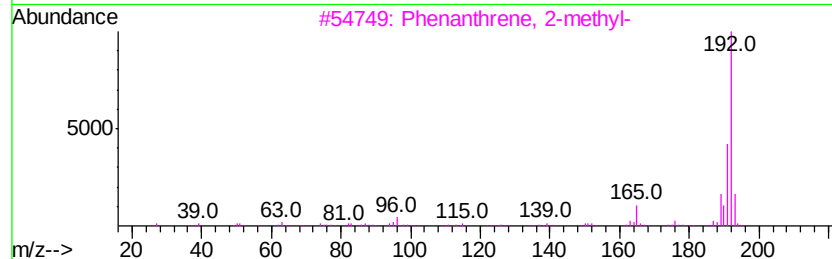
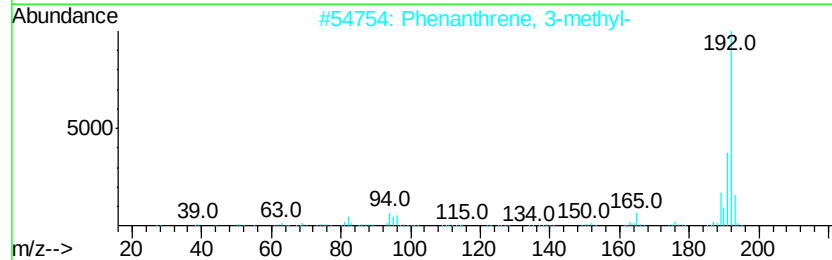
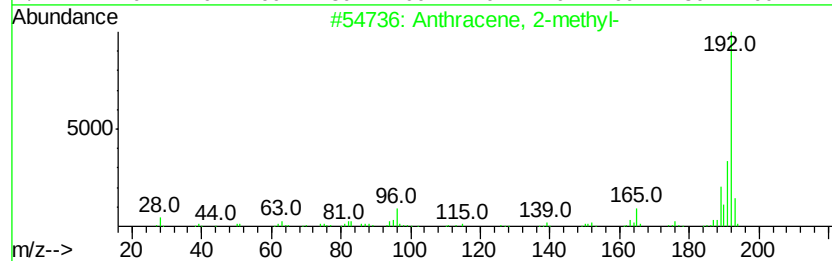
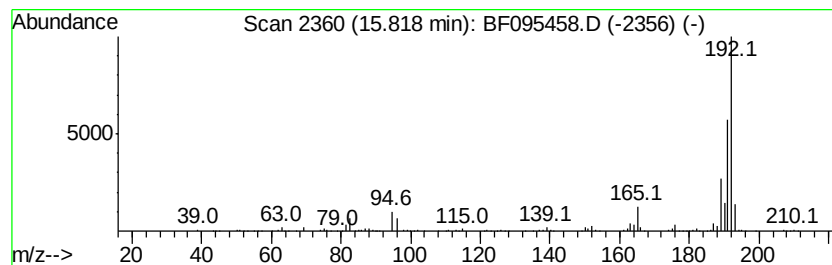
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	16.68 ng	572426	Phenanthrene-d10	14.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052617\
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Sample : I3240-05
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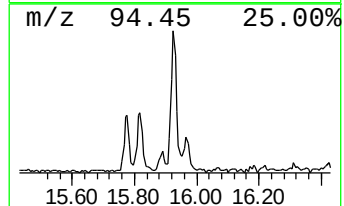
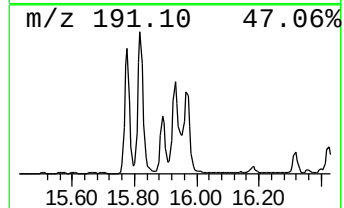
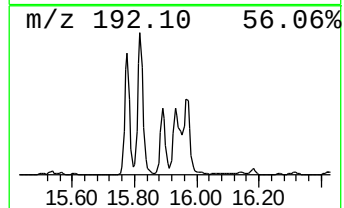
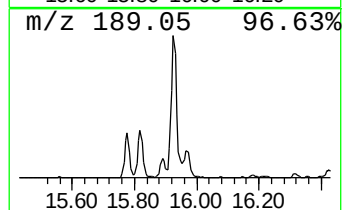
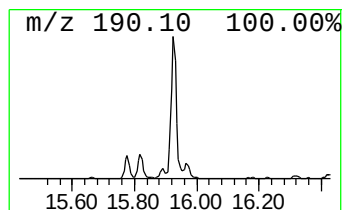
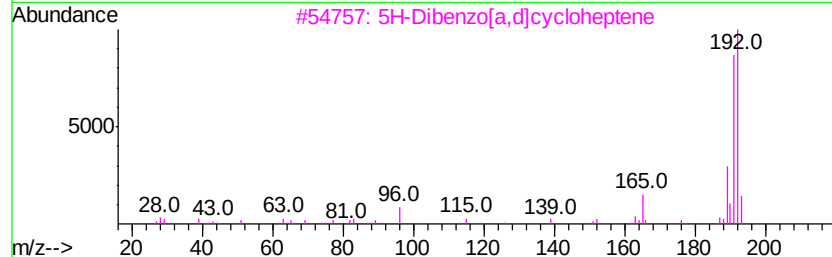
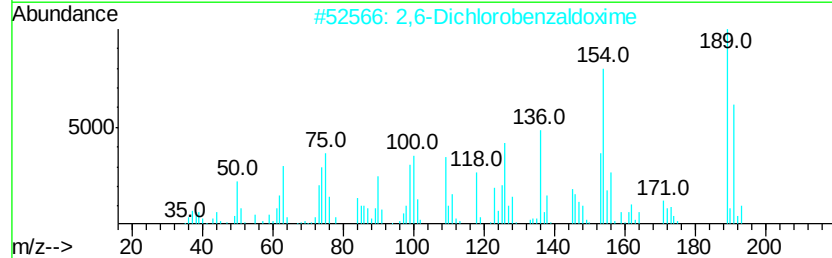
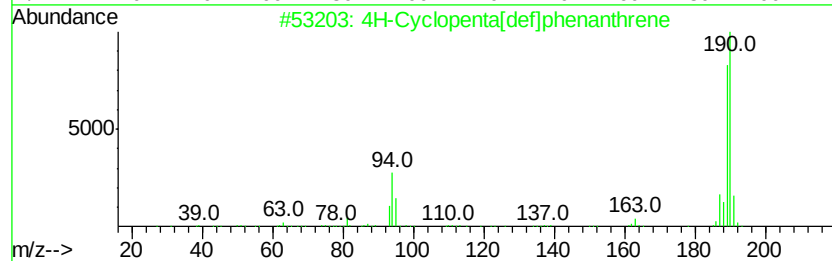
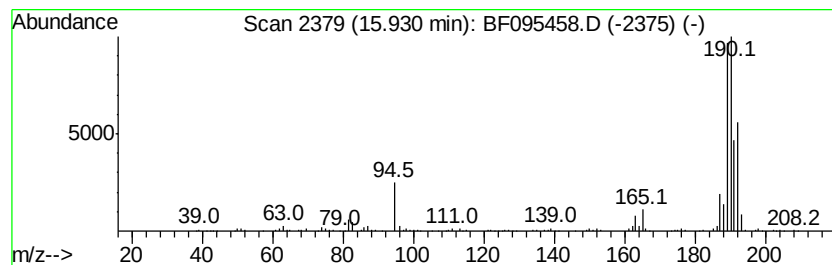
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	22.69 ng	778964	Phenanthrene-d10	14.99
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		4H-Cyclopenta[def]phenanthrene	190 C15H10	000203-64-5 93
2		2,6-Dichlorobenzaloxime	189 C7H5Cl2NO	025185-95-9 42
3		5H-Dibenzo[a,d]cycloheptene	192 C15H12	000256-81-5 38
4		Phenanthrene, 2-methyl-	192 C15H12	002531-84-2 25
5		Benzene, 1,1'-(1,2-propadienyld...	192 C15H12	014251-57-1 25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095458.D
Acq On : 26 May 2017 13:41
Operator : SJ/MA
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EP2-WC6(0-6.5)

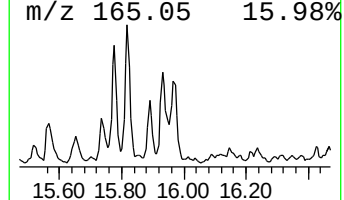
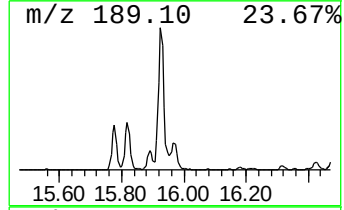
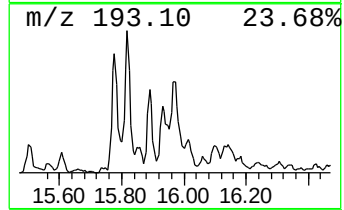
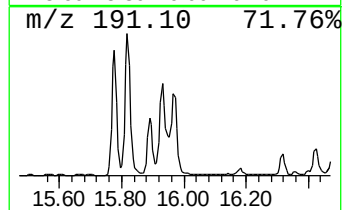
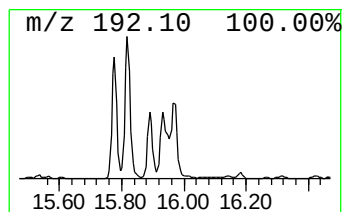
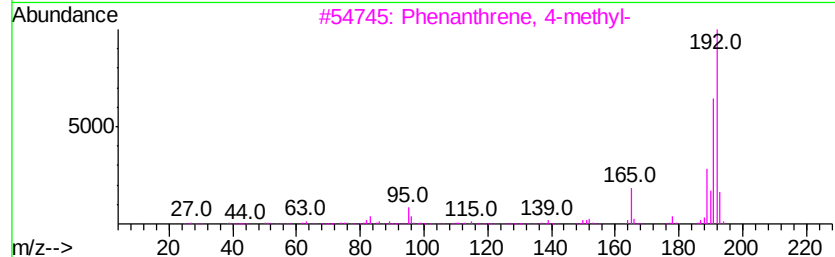
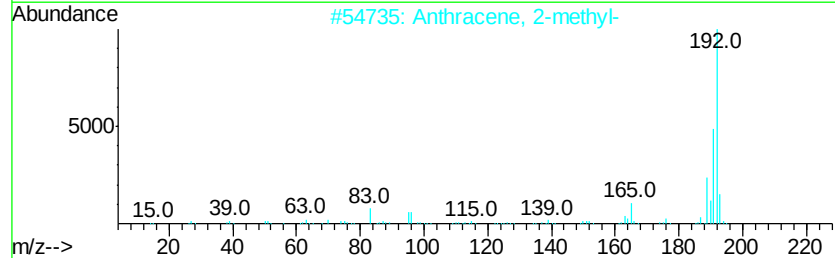
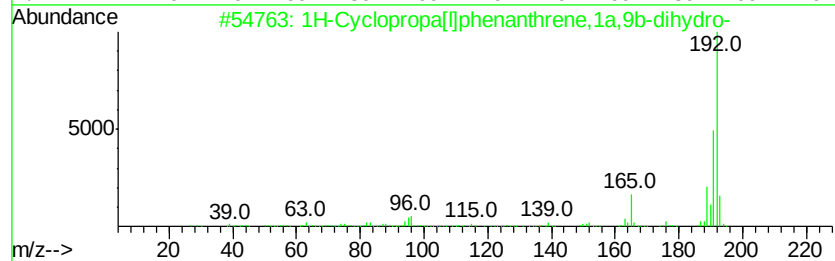
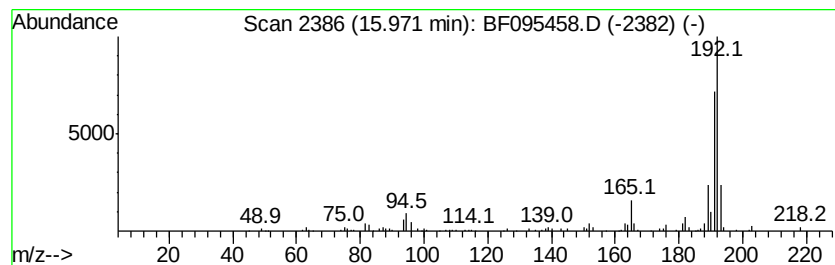
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	13.87 ng	476009	Phenanthrene-d10	14.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052617\
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Acq On : 26 May 2017 13:41
Operator : SJ/MA
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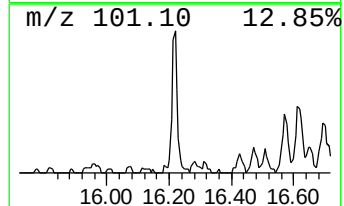
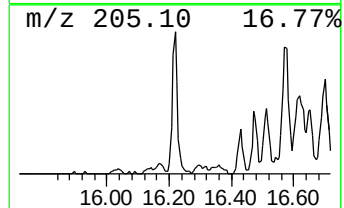
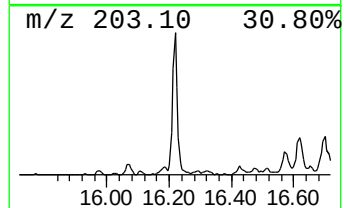
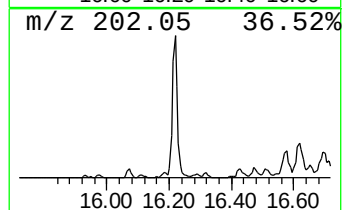
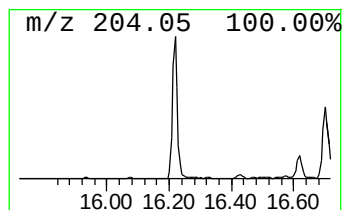
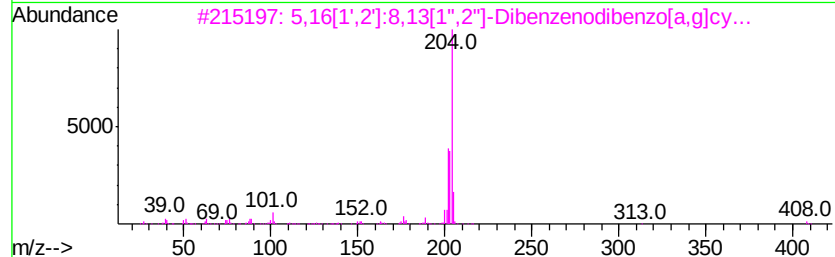
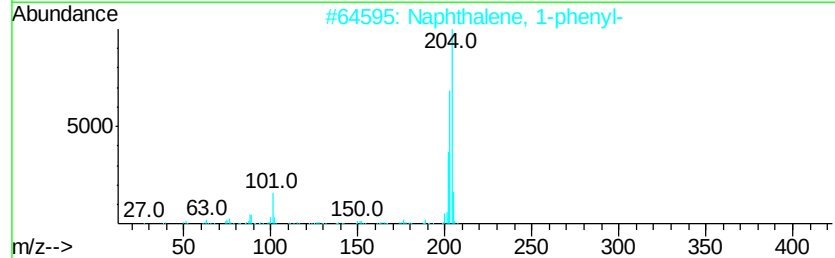
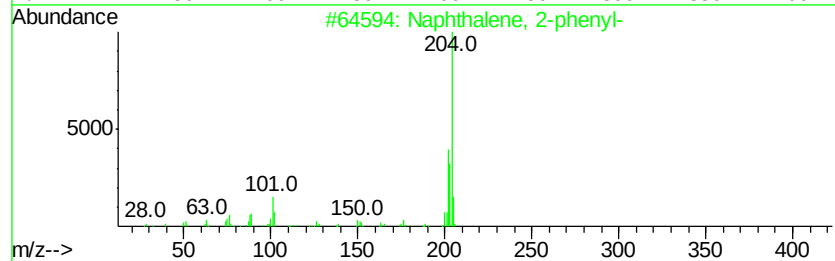
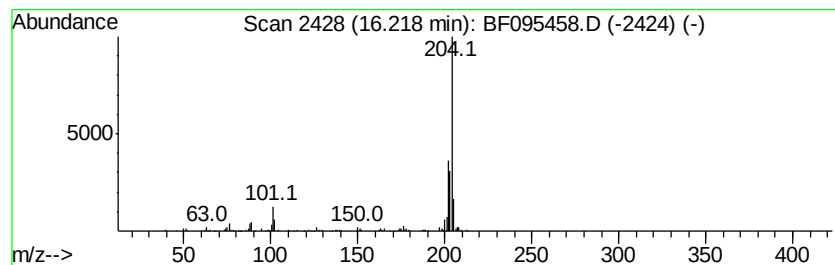
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.22	11.01 ng	377835	Phenanthrene-d10	14.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
3		5,16[1',2'] : 8,13[1',2']-Dibenz...	408	C32H24	005672-97-9	86
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052617\
Data File : BF095458.D
Acq On : 26 May 2017 13:41
Operator : SJ/MA
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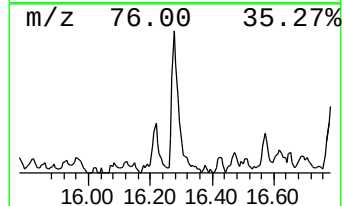
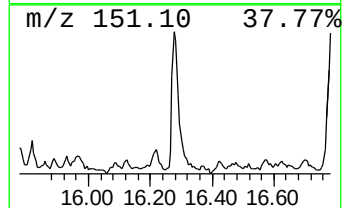
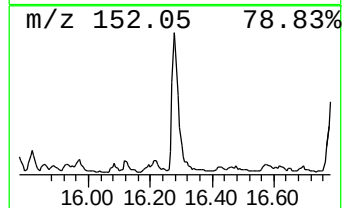
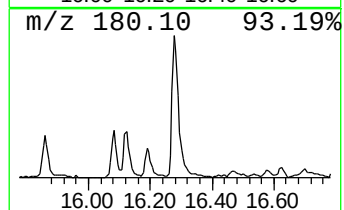
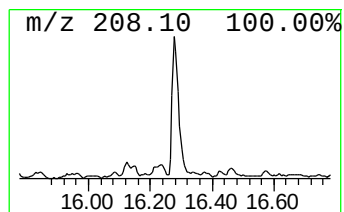
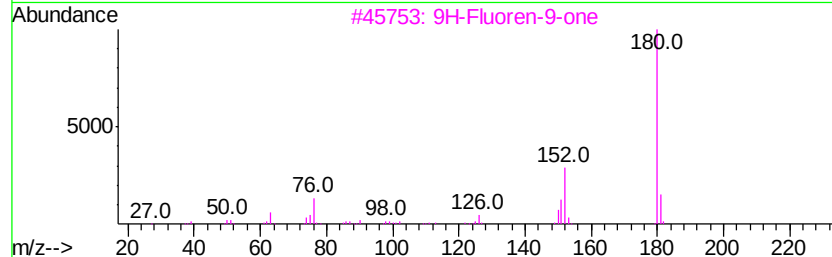
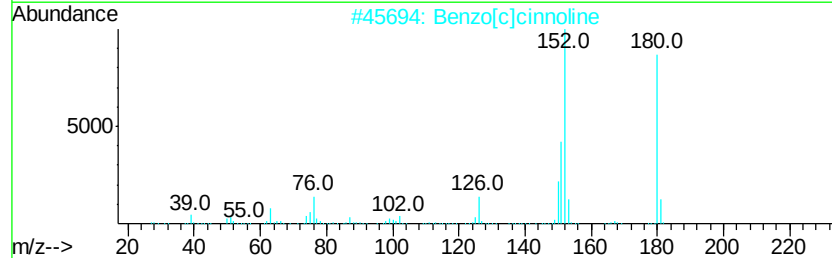
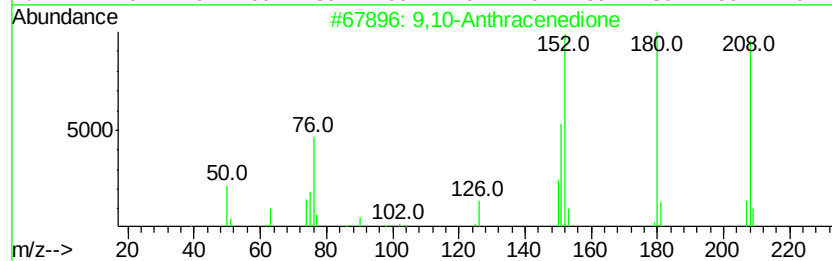
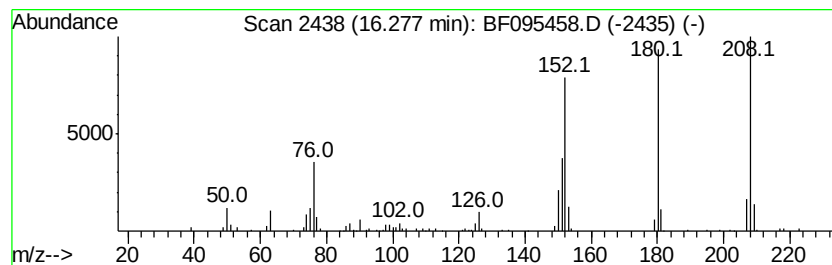
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	7.67 ng	263306	Phenanthrene-d10	14.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3		9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
4		1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
5		1,4-Anthracenedione	208	C14H8O2	000635-12-1	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052617\
Data File : BF095458.D
Acq On : 26 May 2017 13:41
Operator : SJ/MA
Sample : I3240-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

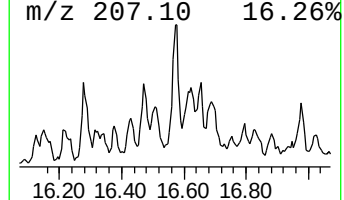
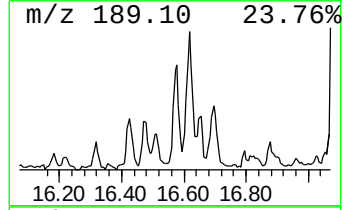
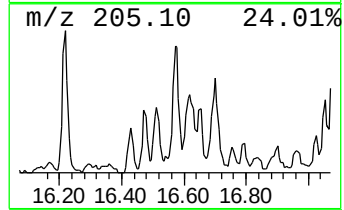
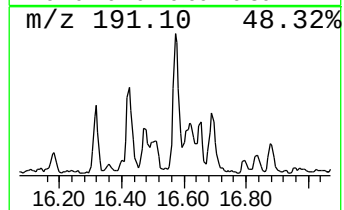
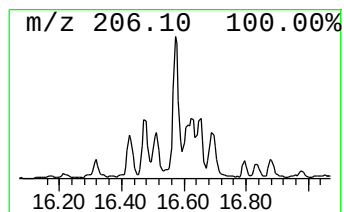
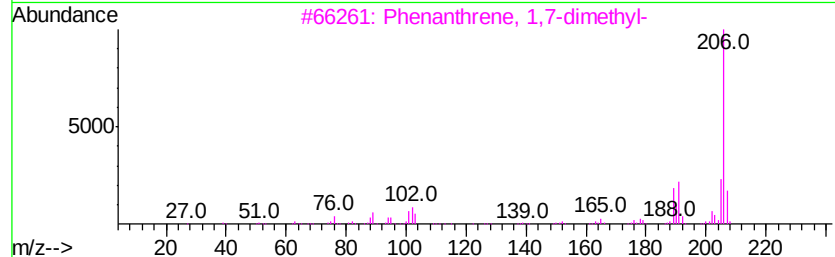
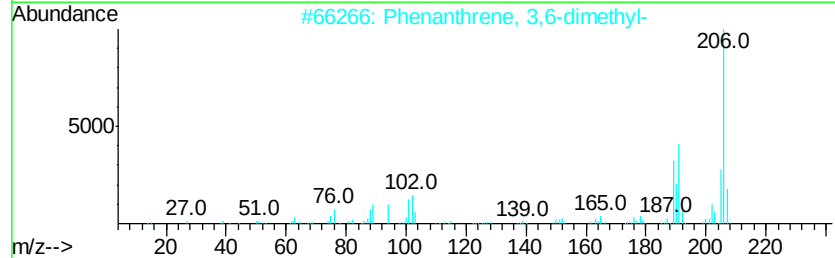
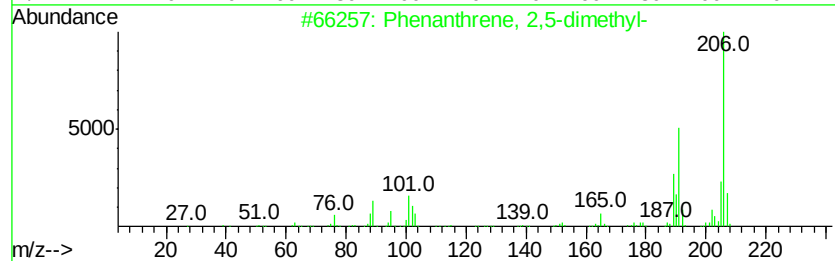
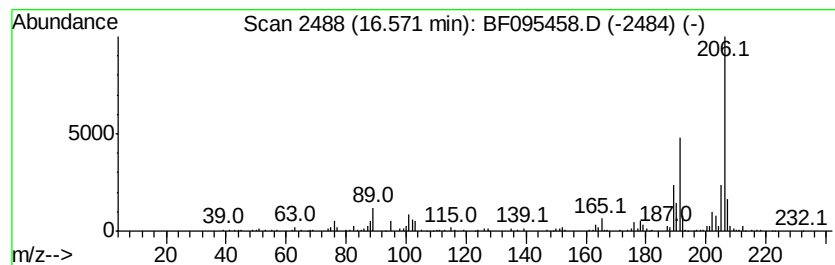
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ClientSampleId :
EP2-WC6(0-6.5)

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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 16

R.T.	EstConc	Area	Relative to ISTD		R.T.	
16.57	9.10 ng	312478	Phenanthrene-d10		14.99	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5		9,10-Dimethylantracene	206	C16H14	000781-43-1	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052617\
Data File : BF095458.D
Acq On : 26 May 2017 13:41
Operator : SJ/MA
Sample : I3240-05
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ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
EP2-WC6(0-6.5)

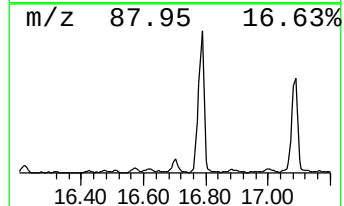
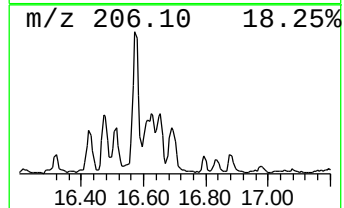
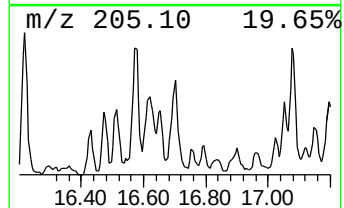
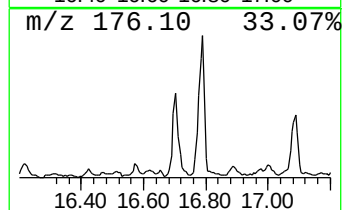
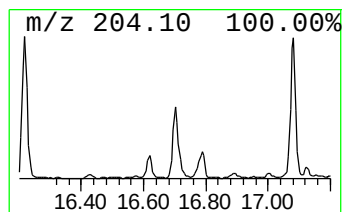
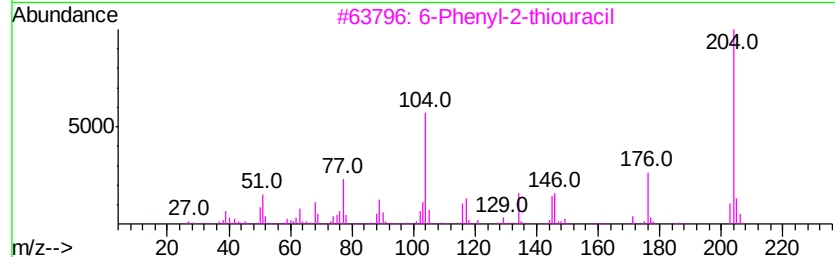
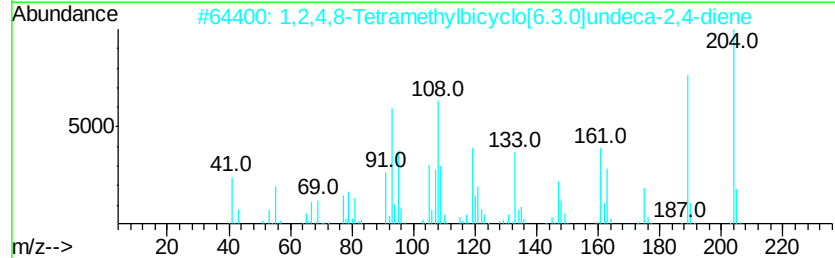
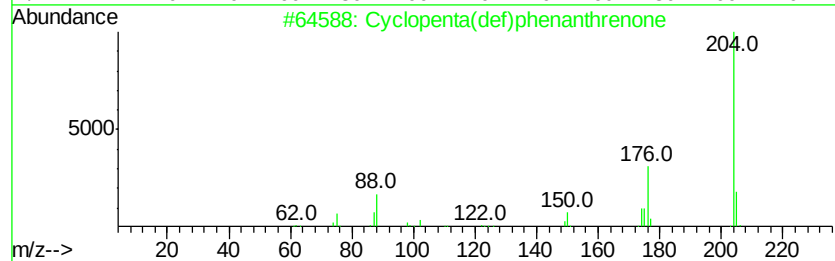
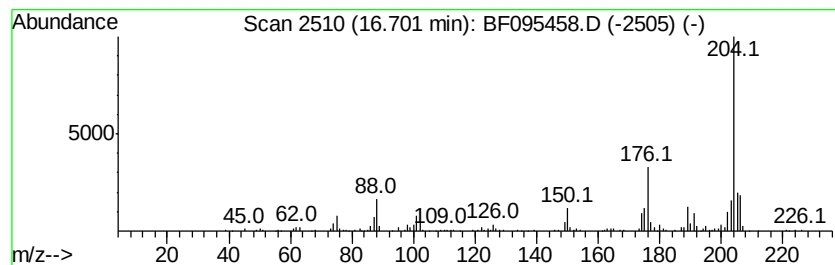
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	9.80 ng	336424	Phenanthrene-d10	14.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	60
3		6-Phenyl-2-thiouracil	204	C10H8N2OS	005590-94-3	53
4		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
5		9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052617\
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Operator : SJ/MA
Sample : I3240-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

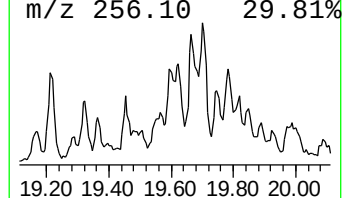
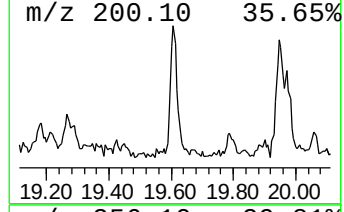
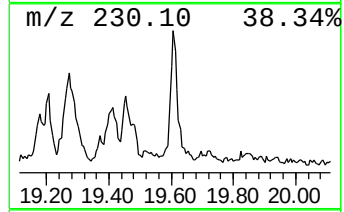
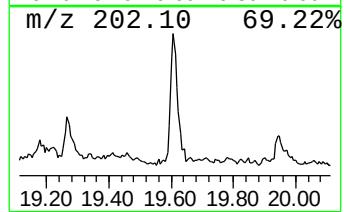
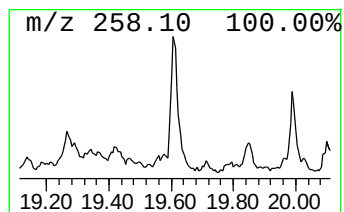
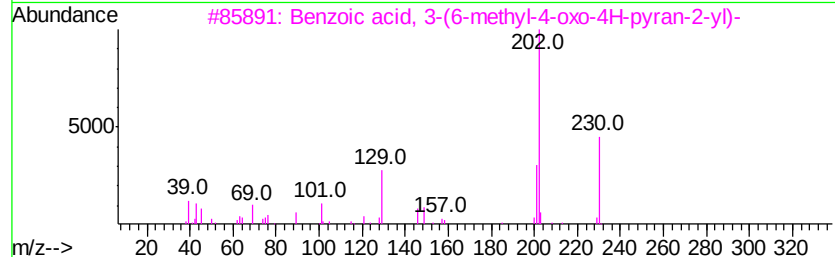
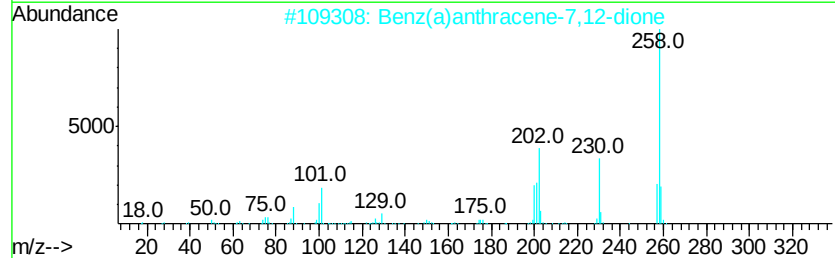
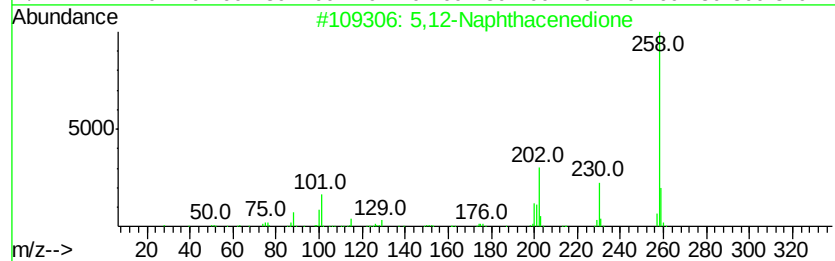
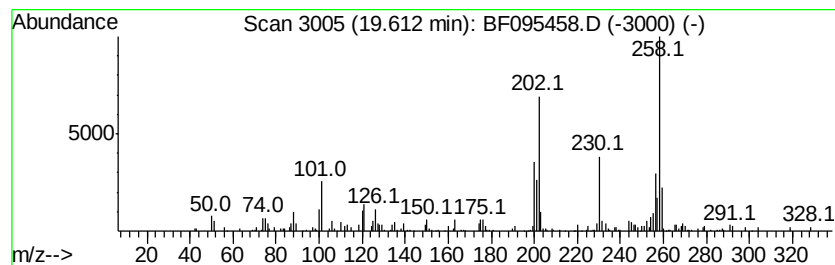
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 5,12-Naphthacenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.61	10.41 ng	239031	Perylene-d12	20.35
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	5,12-Naphthacenedione	258	C18H10O2	001090-13-7 91
2	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0 89
3	Benzoic acid, 3-(6-methyl-4-oxo-...	230	C13H10O4	295364-59-9 38
4	1,2-Dihydro-2,4'-biquinoline	258	C18H14N2	1000326-82-7 35
5	3-(6-Methoxy-3-methyl-2-benzofur...	258	C16H18O3	1000239-79-6 27



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
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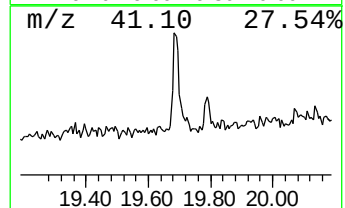
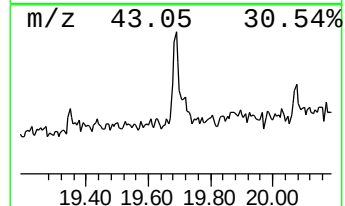
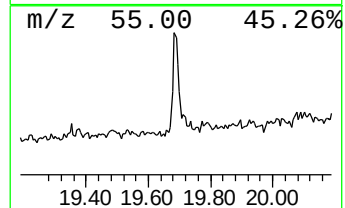
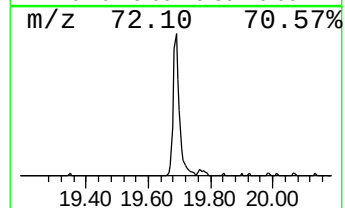
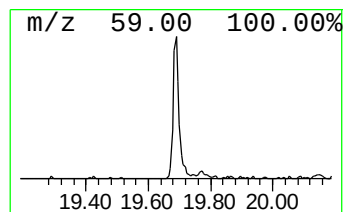
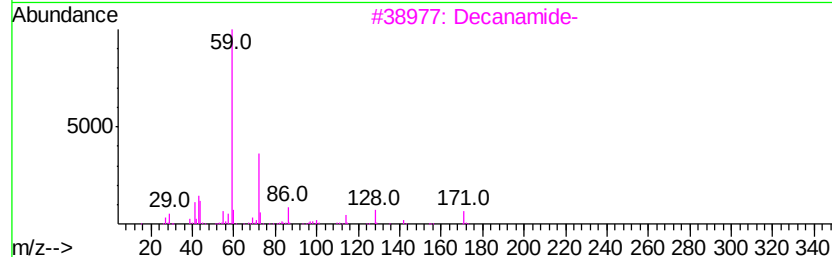
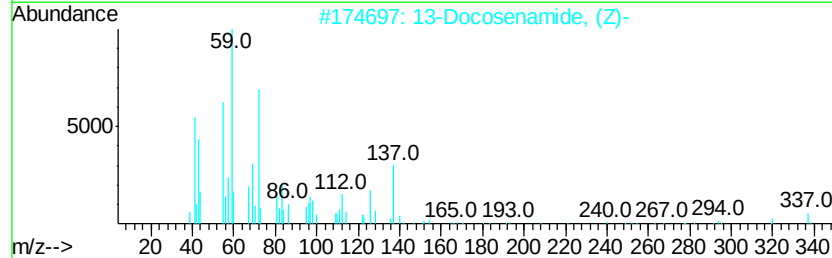
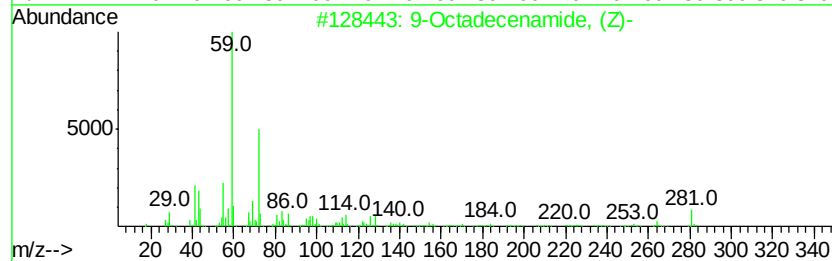
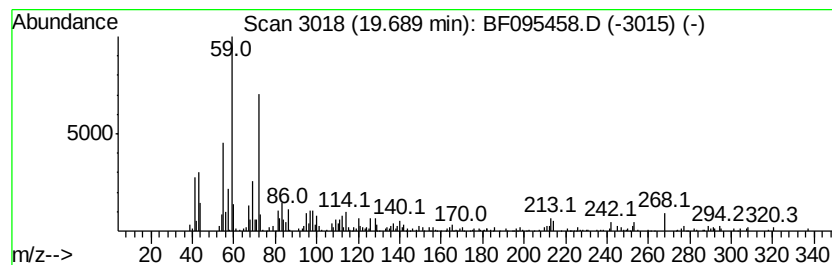
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 9-Octadecenamide, (Z)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.69	14.53 ng	333527	Perylene-d12	20.35
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		9-Octadecenamide, (Z)-	281 C18H35NO	000301-02-0 90
2		13-Docosenamide, (Z)-	337 C22H43NO	000112-84-5 64
3		Decanamide-	171 C10H21NO	002319-29-1 53
4		Octanamide	143 C8H17NO	000629-01-6 47
5		Nonanamide	157 C9H19NO	001120-07-6 47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
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Acq On : 26 May 2017 13:41
Operator : SJ/MA
Sample : I3240-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

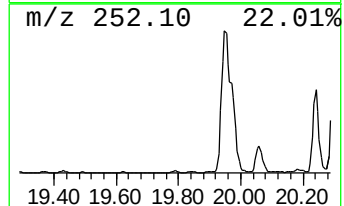
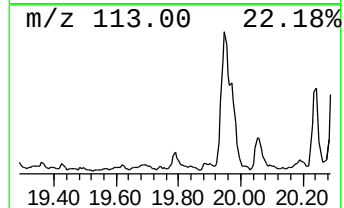
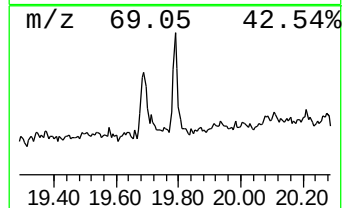
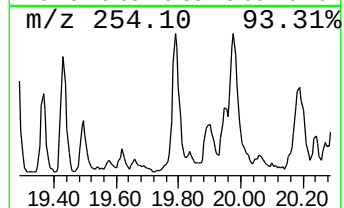
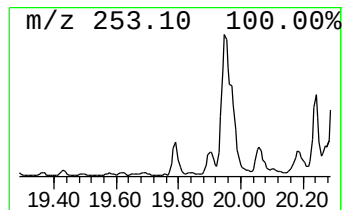
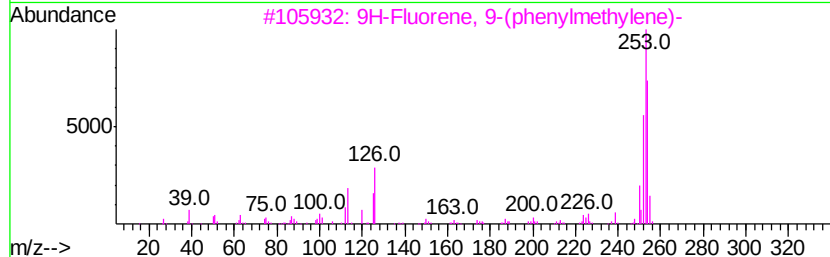
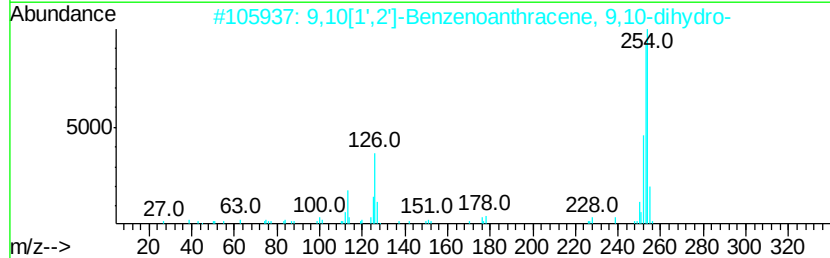
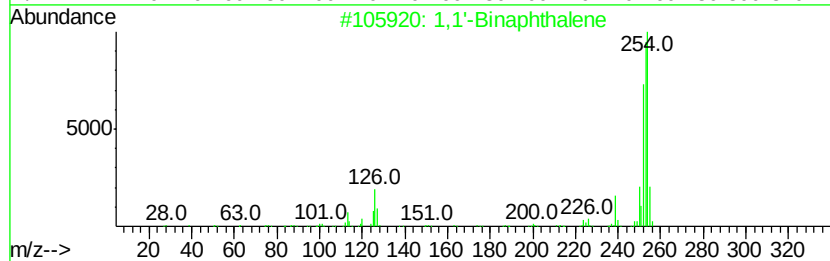
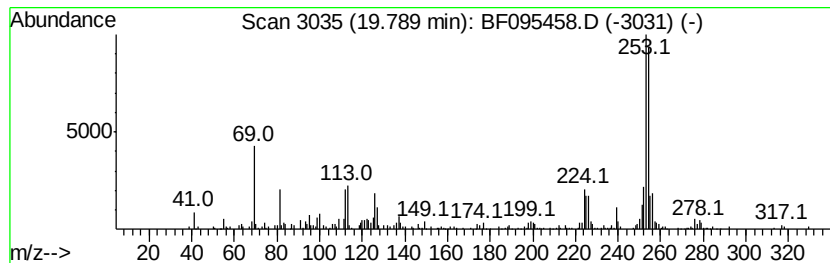
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.79	11.02 ng	252904	Perylene-d12	20.35
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1,1'-Binaphthalene	254 C20H14	000604-53-5 89
2		9,10[1',2']-Benzenoanthracene, 9...	254 C20H14	000477-75-8 70
3		9H-Fluorene, 9-(phenylmethyl)-	254 C20H14	001836-87-9 64
4		1H-Indene, 1,1'-(1,2-ethanedivli...	254 C20H14	072088-04-1 58
5		4,5-Dihydrobenzo[e]pyrene	254 C20H14	095676-42-9 58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095458.D
Acq On : 26 May 2017 13:41
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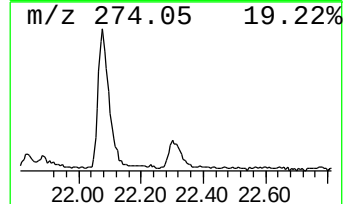
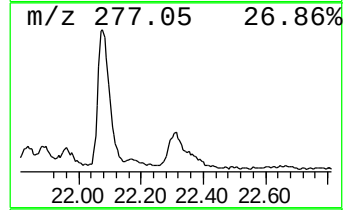
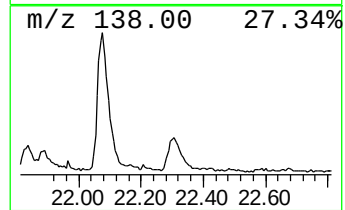
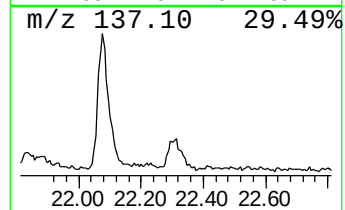
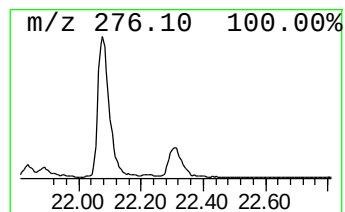
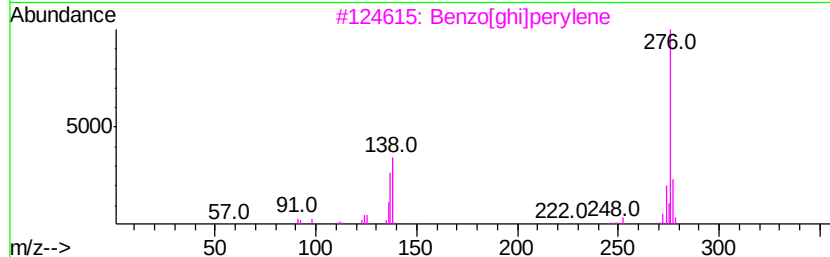
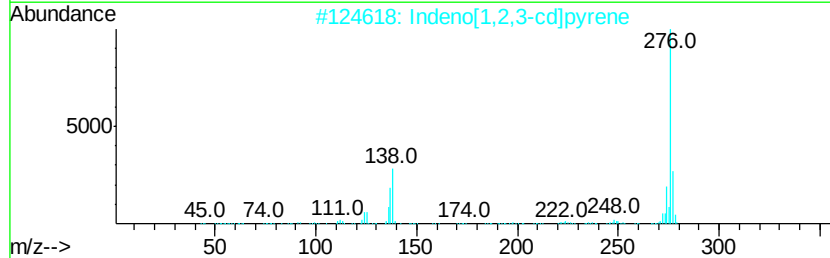
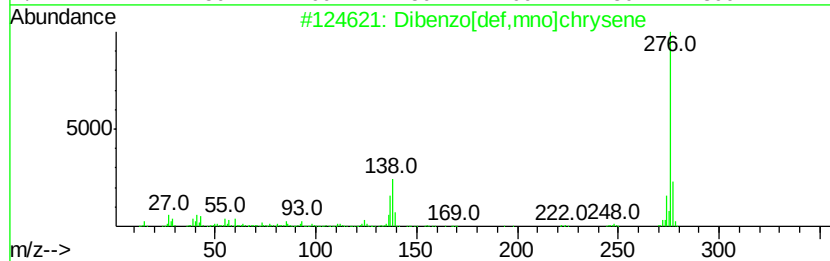
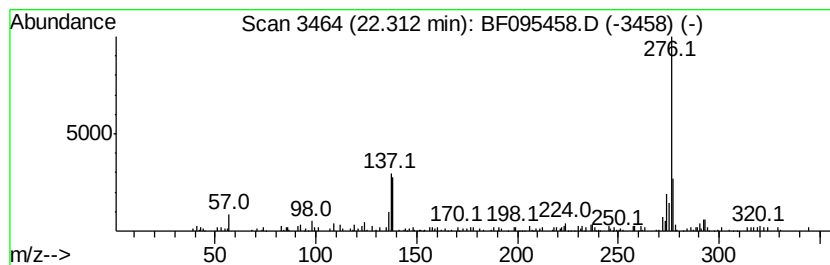
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.31	9.54 ng	219080	Perylene-d12	20.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
2		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	90
3		Benzo[ghi]perylene	276	C22H12	000191-24-2	89
4		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	76
5		6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052617\
 Data File : BF095458.D
 Acq On : 26 May 2017 13:41
 Operator : SJ/MA
 Sample : I3240-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP2-WC6(0-6.5)

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...	5.09	18.3	ng	485828	1	7.74	531937	20.0
unknown7.41	7.41	81.4	ng	2166130	1	7.74	531937	20.0
9H-Fluorene, 2-me...	14.39	6.0	ng	204445	4	14.99	686551	20.0
Dibenzothiophene	14.83	6.3	ng	216487	4	14.99	686551	20.0
Phenanthrene, 2-m...	15.78	14.1	ng	482872	4	14.99	686551	20.0
Anthracene, 2-met...	15.82	16.7	ng	572426	4	14.99	686551	20.0
4H-Cyclopenta[def...	15.93	22.7	ng	778964	4	14.99	686551	20.0
1H-Cyclopropa[l]p...	15.97	13.9	ng	476009	4	14.99	686551	20.0
Naphthalene, 2-ph...	16.22	11.0	ng	377835	4	14.99	686551	20.0
9,10-Anthracenedione	16.28	7.7	ng	263306	4	14.99	686551	20.0
Phenanthrene, 2,5...	16.57	9.1	ng	312478	4	14.99	686551	20.0
Cyclopenta(def)ph...	16.70	9.8	ng	336424	4	14.99	686551	20.0
5,12-Naphthacened...	19.61	10.4	ng	239031	6	20.35	459173	20.0
9-Octadecenamide, ...	19.69	14.5	ng	333527	6	20.35	459173	20.0
1,1'-Binaphthalene	19.79	11.0	ng	252904	6	20.35	459173	20.0
Dibenzo[def,mno]c...	22.31	9.5	ng	219080	6	20.35	459173	20.0