

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
 Data File : BF095457.D
 Acq On : 26 May 2017 13:09
 Operator : SJ/MA
 Sample : I3240-06
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP2-WC6(6.5-8)

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	532	539	560	rBV2	199581	615460	20.59%	1.193%
2	5.713	638	642	679	rBV	929041	2319665	77.61%	4.497%
3	7.289	906	910	926	rBV	1206568	2231570	74.66%	4.326%
4	7.407	926	930	952	rVB	1595777	2745679	91.87%	5.323%
5	7.742	983	987	998	rBV	471347	574975	19.24%	1.115%
6	7.978	1022	1027	1047	rBV	1516488	1923367	64.35%	3.729%
7	8.642	1136	1140	1172	rBV	694138	1432456	47.93%	2.777%
8	9.766	1327	1331	1355	rBV	403172	876934	29.34%	1.700%
9	10.942	1527	1531	1547	rVB	43035	71691	2.40%	0.139%
10	11.083	1551	1555	1569	rBV	47010	81765	2.74%	0.159%
11	11.530	1626	1631	1652	rBV	1935185	2890185	96.70%	5.603%
12	12.072	1718	1723	1727	rBV	52285	83106	2.78%	0.161%
13	12.236	1747	1751	1765	rBV	181364	346364	11.59%	0.671%
14	12.377	1770	1775	1783	rBV2	46291	84200	2.82%	0.163%
15	12.595	1807	1812	1818	rBV2	654683	970969	32.49%	1.882%
16	12.648	1818	1821	1830	rVB	255255	357524	11.96%	0.693%
17	12.948	1866	1872	1883	rBV	119515	225416	7.54%	0.437%
18	13.424	1949	1953	1959	rBV3	53489	72216	2.42%	0.140%
19	13.495	1959	1965	1973	rVV	247002	355318	11.89%	0.689%
20	13.766	2007	2011	2019	rVV	87693	125985	4.22%	0.244%
21	13.895	2028	2033	2042	rBV	1123792	1741402	58.26%	3.376%
22	13.966	2042	2045	2052	rVB3	42498	71136	2.38%	0.138%
23	14.395	2112	2118	2123	rBV2	75866	136345	4.56%	0.264%
24	14.518	2130	2139	2145	rVB6	35274	94124	3.15%	0.182%
25	14.618	2152	2156	2160	rBV4	55197	92533	3.10%	0.179%
26	14.730	2171	2175	2180	rVV	86326	124893	4.18%	0.242%
27	14.783	2180	2184	2189	rVV3	68192	126483	4.23%	0.245%
28	14.830	2189	2192	2197	rVB	138989	161111	5.39%	0.312%
29	14.995	2215	2220	2223	rVV	720471	877626	29.36%	1.701%
30	15.036	2223	2227	2235	rVV	2249762	2908320	97.31%	5.638%
31	15.118	2236	2241	2251	rVB	507174	756039	25.30%	1.466%
32	15.212	2251	2257	2261	rBV3	69836	113383	3.79%	0.220%
33	15.412	2288	2291	2299	rVV	157079	249215	8.34%	0.483%
34	15.777	2349	2353	2357	rVV	324378	394017	13.18%	0.764%

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35	15.818	2357	2360	2365	rVV	382397	473227	15.83%	0.917%
36	15.889	2369	2372	2375	rVV	152703	188799	6.32%	0.366%
37	15.930	2375	2379	2382	rVV2	416933	608185	20.35%	1.179%
38	15.971	2384	2386	2392	rVB	244194	289573	9.69%	0.561%
39	16.124	2409	2412	2418	rVV	44348	80013	2.68%	0.155%
40	16.218	2425	2428	2435	rVV	221129	276159	9.24%	0.535%
41	16.283	2435	2439	2443	rVV	104978	149316	5.00%	0.289%
42	16.424	2460	2463	2468	rBV2	72502	98456	3.29%	0.191%
43	16.477	2468	2472	2475	rVV	73709	95245	3.19%	0.185%
44	16.571	2484	2488	2492	rBV	191606	244401	8.18%	0.474%
45	16.618	2492	2496	2500	rVV2	108101	172929	5.79%	0.335%
46	16.701	2505	2510	2517	rBV3	132990	254943	8.53%	0.494%
47	16.783	2519	2524	2528	rBV	2485903	2966999	99.27%	5.752%
48	16.812	2528	2529	2536	rVB3	76789	86129	2.88%	0.167%
49	16.877	2536	2540	2552	rBV5	63355	181989	6.09%	0.353%
50	16.977	2553	2557	2560	rBV	91234	111583	3.73%	0.216%
51	17.089	2570	2576	2580	rVB	2246351	2988805	100.00%	5.794%
52	17.171	2584	2590	2593	rBV2	77008	109387	3.66%	0.212%
53	17.271	2603	2607	2610	rBV	162854	185206	6.20%	0.359%
54	17.318	2610	2615	2623	rVB	2089870	2514502	84.13%	4.875%
55	17.406	2623	2630	2636	rBV2	155030	283274	9.48%	0.549%
56	17.512	2642	2648	2650	rBV2	139369	211629	7.08%	0.410%
57	17.542	2650	2653	2659	rVB	302543	415106	13.89%	0.805%
58	17.630	2665	2668	2672	rVB	225598	243262	8.14%	0.472%
59	17.677	2672	2676	2683	rBV3	275220	502809	16.82%	0.975%
60	17.795	2693	2696	2700	rVB	130356	136341	4.56%	0.264%
61	17.836	2700	2703	2708	rVV	120009	156715	5.24%	0.304%
62	17.877	2708	2710	2718	rVB4	39204	71121	2.38%	0.138%
63	18.065	2735	2742	2743	rBV5	39453	72098	2.41%	0.140%
64	18.101	2743	2748	2752	rVV4	50986	116441	3.90%	0.226%
65	18.142	2752	2755	2759	rVB2	73923	94591	3.16%	0.183%
66	18.236	2767	2771	2775	rVB	115419	145734	4.88%	0.283%
67	18.348	2786	2790	2792	rBV2	116620	136968	4.58%	0.266%
68	18.377	2792	2795	2798	rVV	239033	255450	8.55%	0.495%
69	18.412	2798	2801	2805	rVV	135412	174747	5.85%	0.339%
70	18.448	2805	2807	2811	rVB2	104175	121987	4.08%	0.236%
71	18.506	2814	2817	2822	rVV	112639	132444	4.43%	0.257%

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72	18.565	2822	2827	2832	rVB2	185337	256709	8.59%	0.498%
73	18.665	2838	2844	2848	rBV2	1119690	1858238	62.17%	3.602%
74	18.706	2848	2851	2863	rVB2	871122	1175585	39.33%	2.279%
75	18.800	2863	2867	2871	rBV	128088	157580	5.27%	0.305%
76	18.900	2878	2884	2887	rBV5	45015	87880	2.94%	0.170%
77	18.959	2890	2894	2898	rVV3	220493	287746	9.63%	0.558%
78	19.000	2898	2901	2907	rVB3	81366	114214	3.82%	0.221%
79	19.177	2926	2931	2935	rBV	193518	278953	9.33%	0.541%
80	19.218	2935	2938	2943	rVB2	95775	121049	4.05%	0.235%
81	19.295	2943	2951	2954	rBV4	73655	150853	5.05%	0.292%
82	19.348	2954	2960	2965	rBV4	177614	293564	9.82%	0.569%
83	19.612	3001	3005	3011	rVV4	61758	124377	4.16%	0.241%
84	19.683	3011	3017	3018	rVV5	42165	70966	2.37%	0.138%
85	19.718	3019	3023	3027	rVB2	112668	140920	4.71%	0.273%
86	19.789	3031	3035	3039	rBV3	116215	146975	4.92%	0.285%
87	19.942	3057	3061	3064	rVV	650266	928705	31.07%	1.800%
88	19.971	3064	3066	3072	rVB2	320690	383494	12.83%	0.743%
89	20.053	3077	3080	3086	rBV2	117277	197573	6.61%	0.383%
90	20.236	3106	3111	3115	rBV	427013	475751	15.92%	0.922%
91	20.295	3117	3121	3127	rVB	628930	670132	22.42%	1.299%
92	20.347	3127	3130	3134	rBV	385765	493742	16.52%	0.957%
93	20.383	3134	3136	3139	rVB	96687	92541	3.10%	0.179%
94	21.359	3296	3302	3309	rBV7	33671	78986	2.64%	0.153%
95	21.683	3351	3357	3365	rBV	251323	476661	15.95%	0.924%
96	21.830	3378	3382	3386	rBV	54760	99215	3.32%	0.192%
97	21.889	3388	3392	3399	rVB3	51291	108046	3.62%	0.209%
98	22.071	3417	3423	3432	rBV	191102	401308	13.43%	0.778%
99	22.306	3457	3463	3473	rVB2	62265	147339	4.93%	0.286%
100	24.053	3749	3760	3773	rBV2	50332	187365	6.27%	0.363%

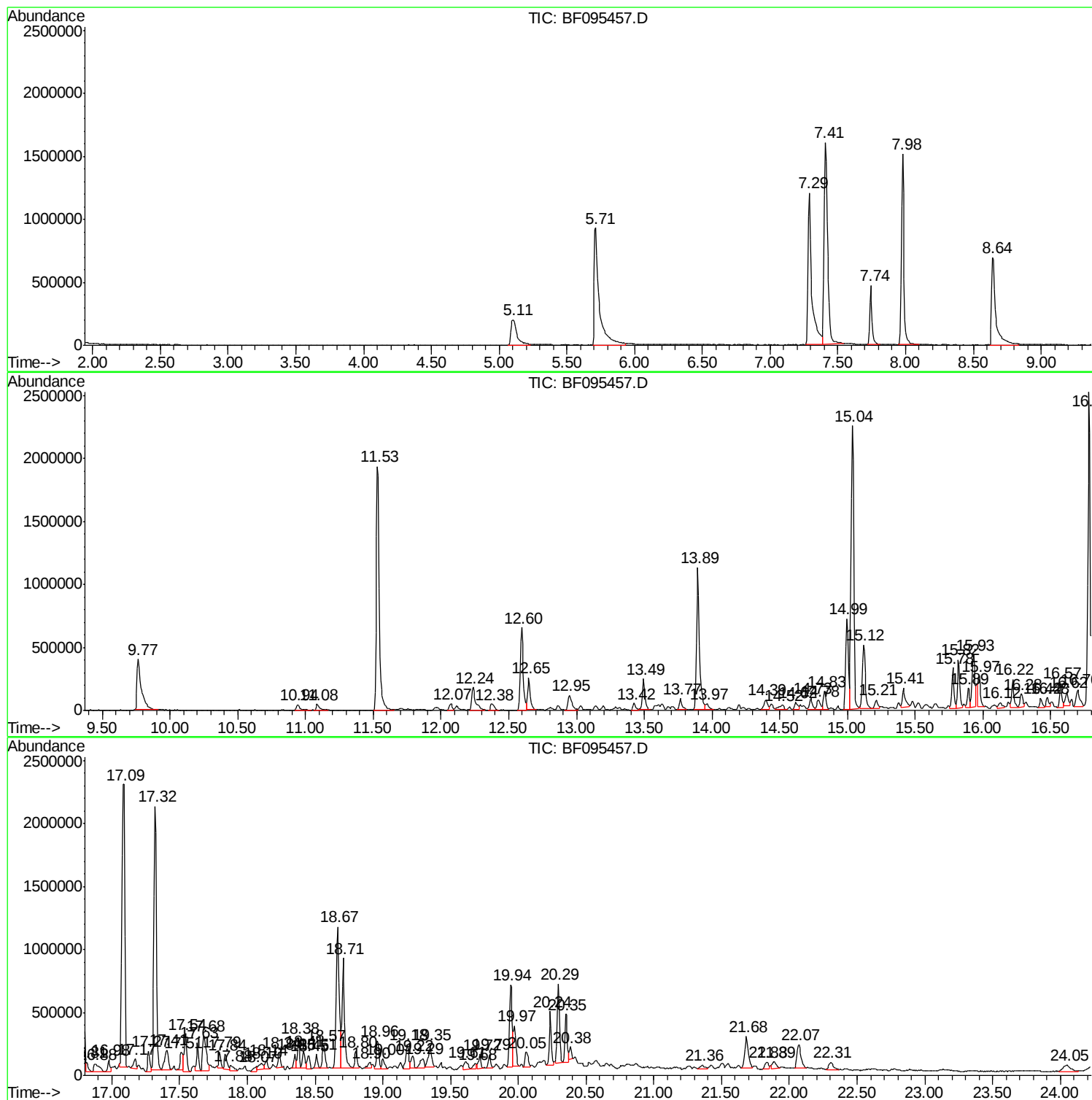
Sum of corrected areas: 51584502

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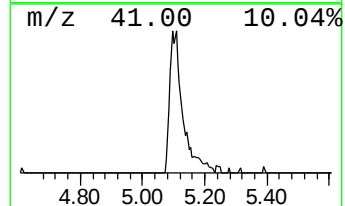
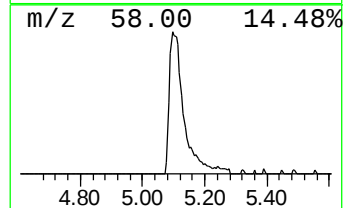
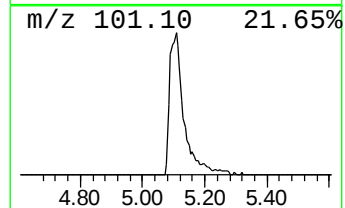
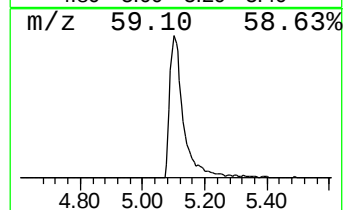
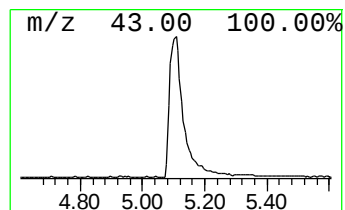
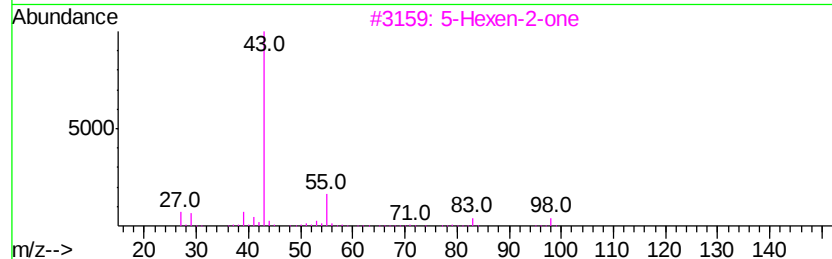
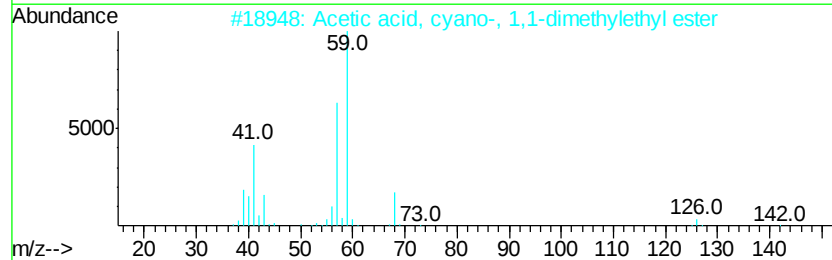
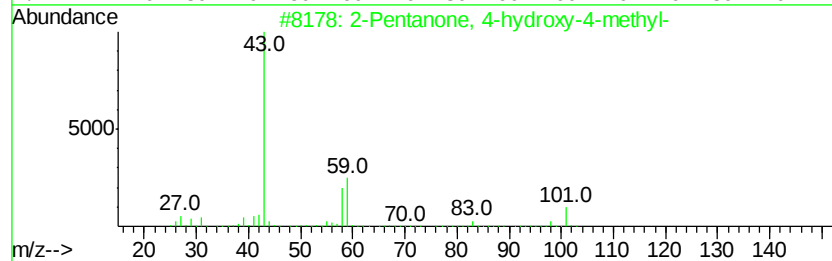
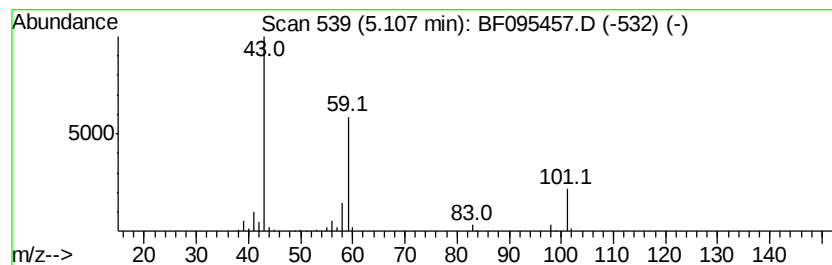
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.11	21.41 ng	615460	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	50
2		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	25
3		5-Hexen-2-one	98	C6H10O	000109-49-9	9
4		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



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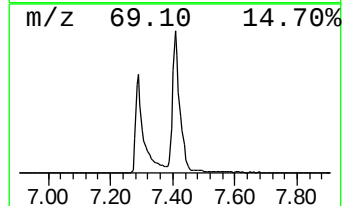
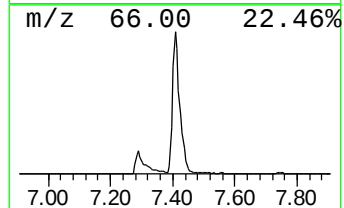
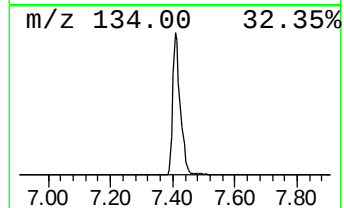
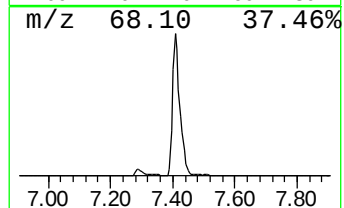
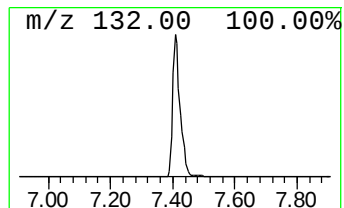
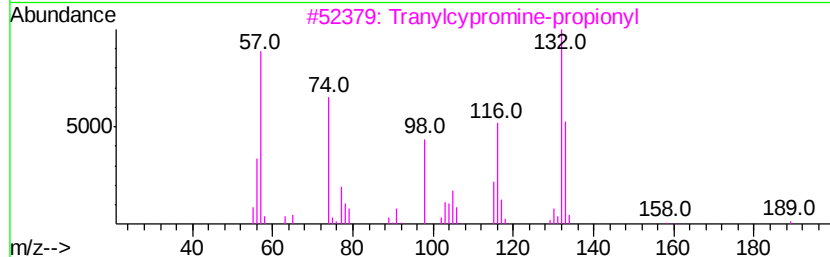
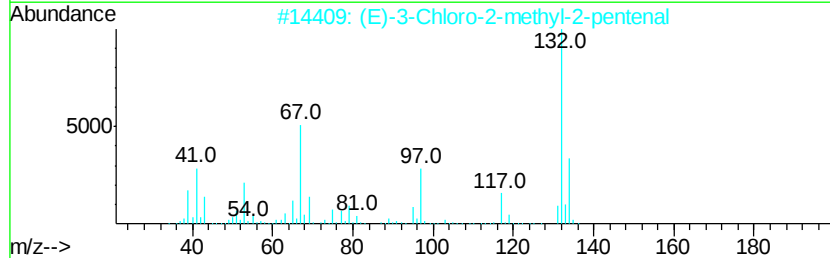
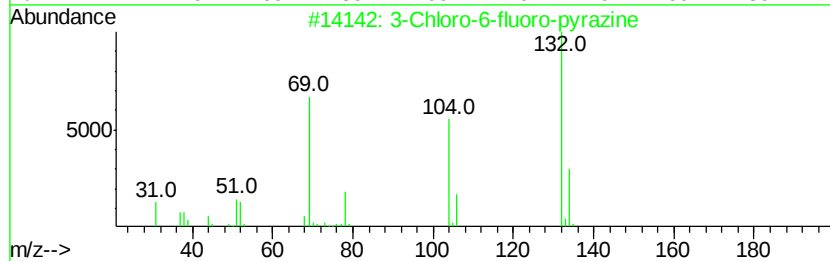
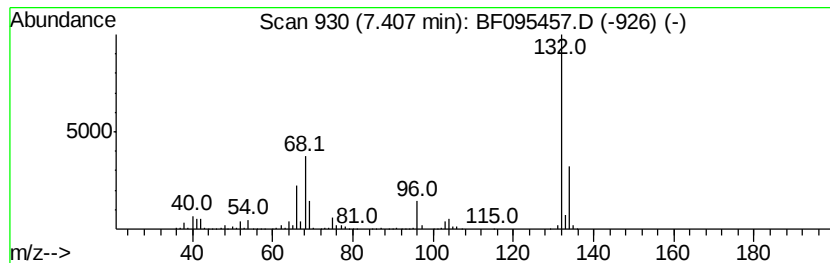
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown7.41 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.41	95.51 ng	2745680	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	35
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
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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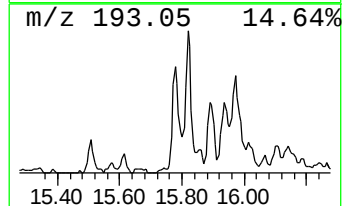
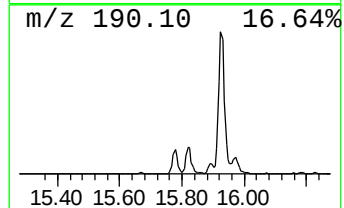
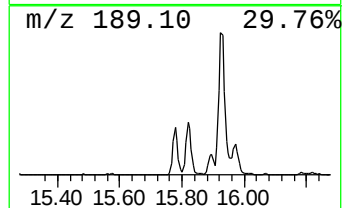
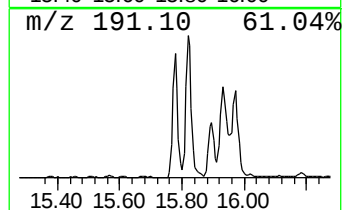
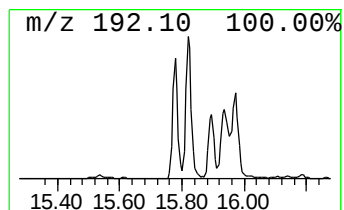
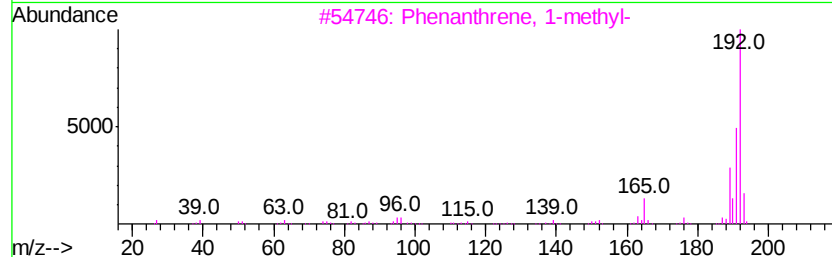
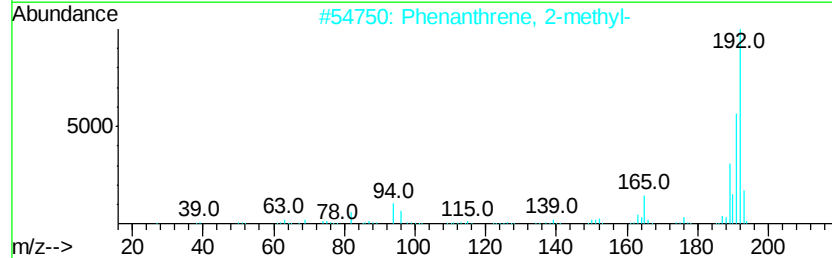
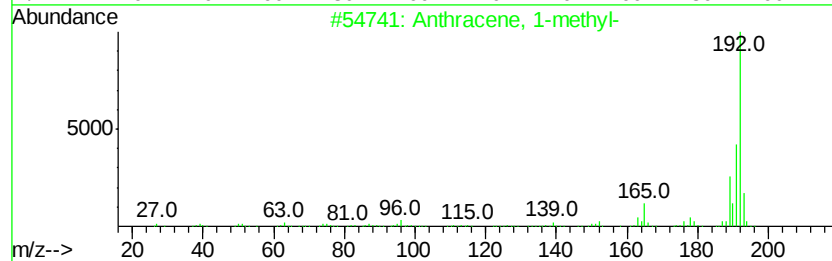
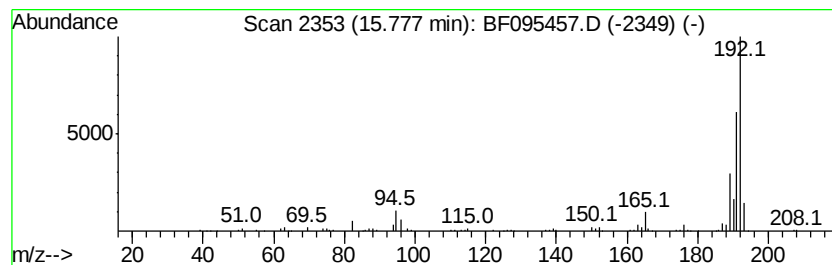
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.78	8.98 ng	394017	Phenanthrene-d10	14.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052617\
Data File : BF095457.D
Acq On : 26 May 2017 13:09
Operator : SJ/MA
Sample : I3240-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
EP2-WC6(6.5-8)

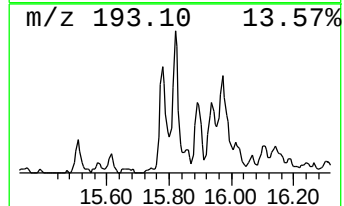
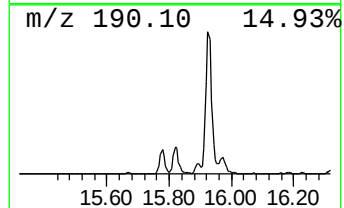
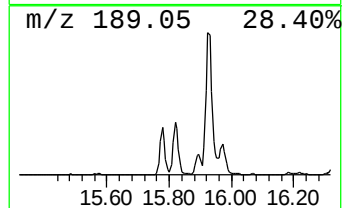
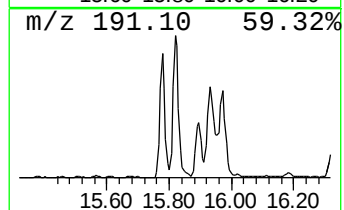
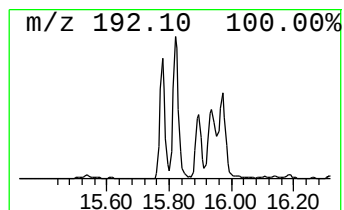
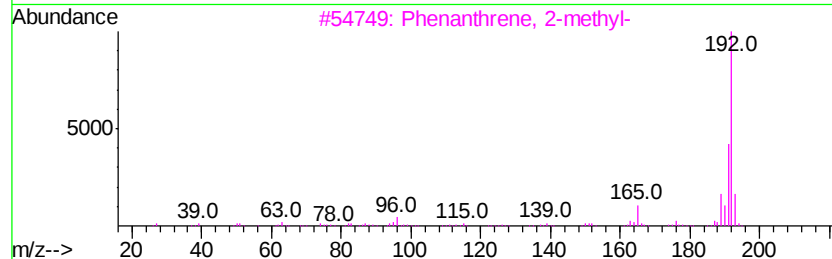
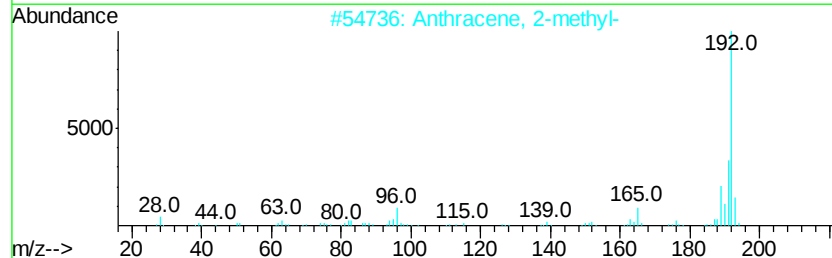
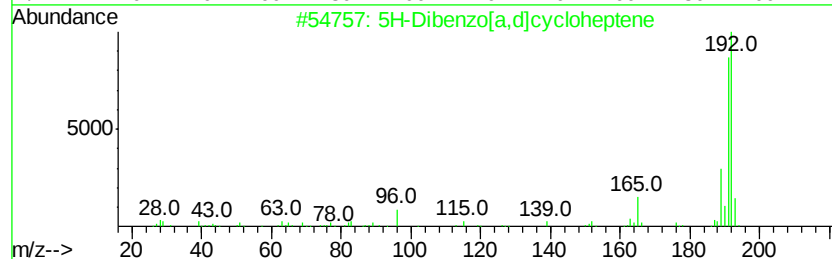
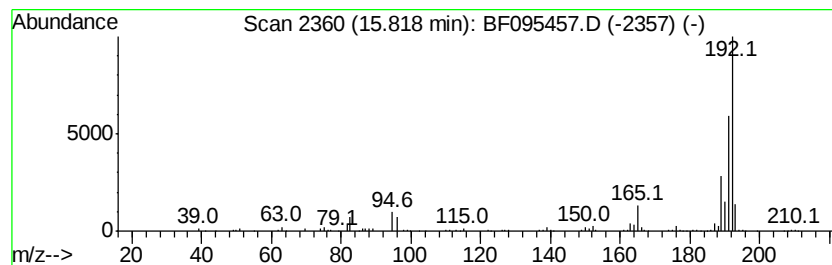
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 5H-Dibenzo[a,d]cycloheptene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	10.78 ng	473227	Phenanthrene-d10	14.99

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	96
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



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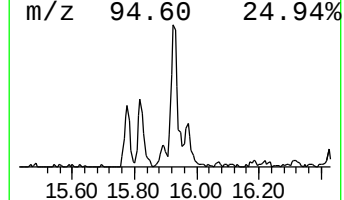
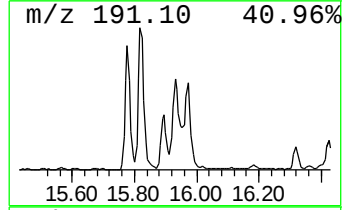
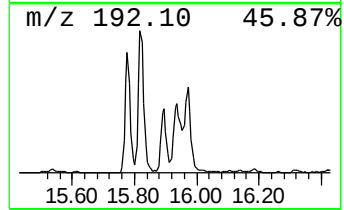
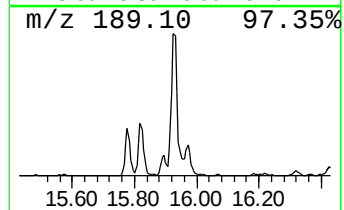
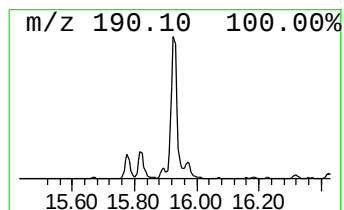
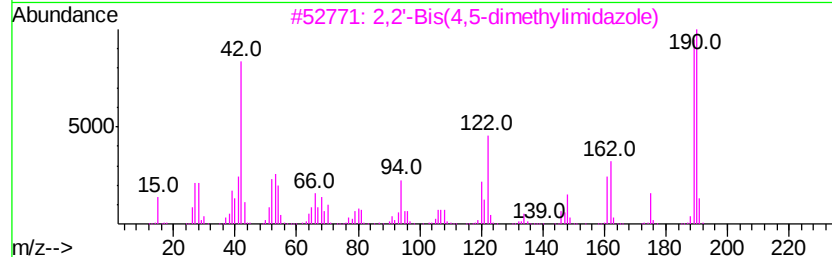
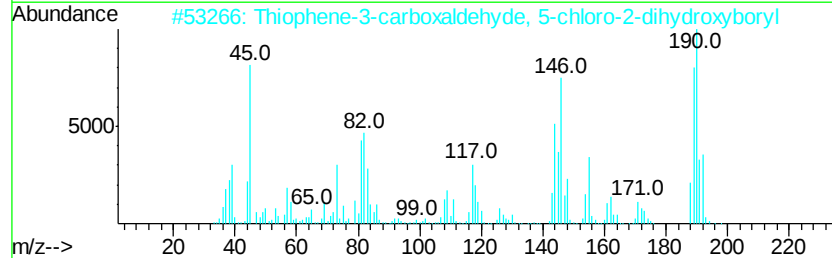
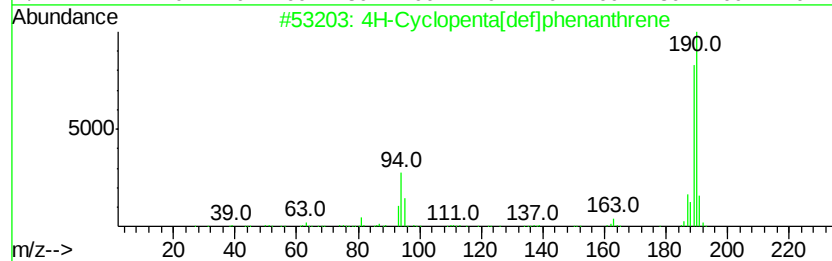
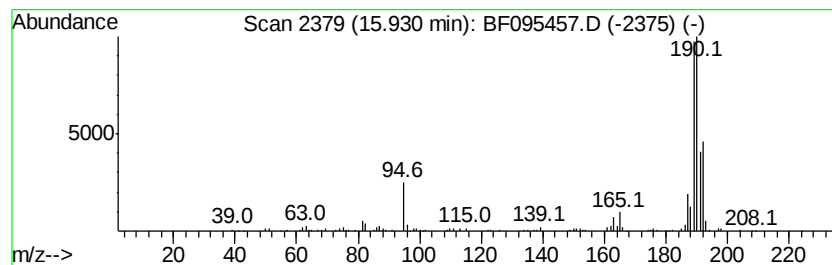
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.93	13.86 ng	608185	Phenanthrene-d10	14.99	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
4	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	33
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	25



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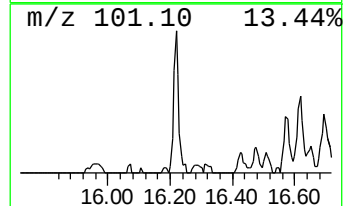
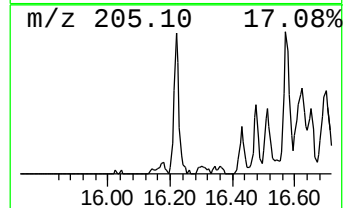
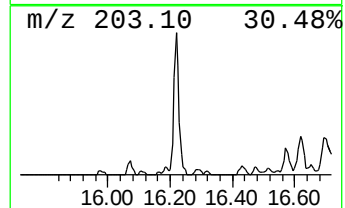
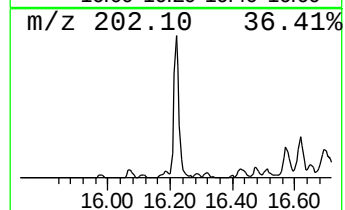
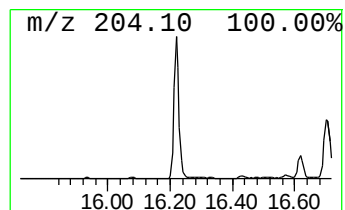
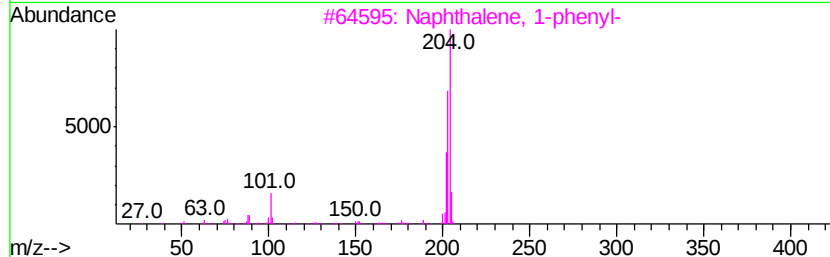
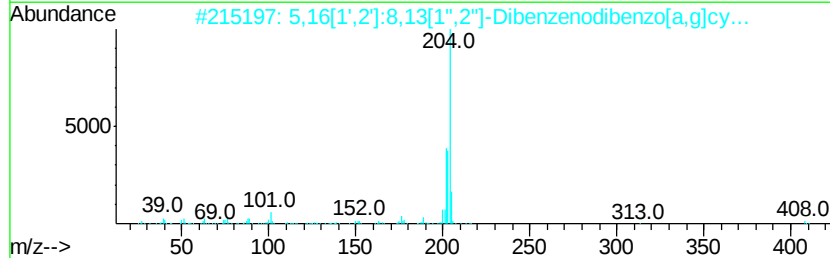
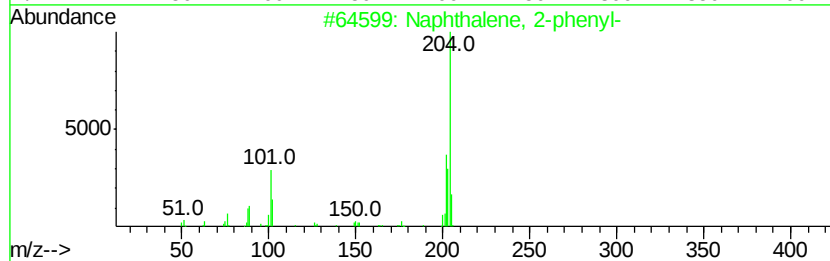
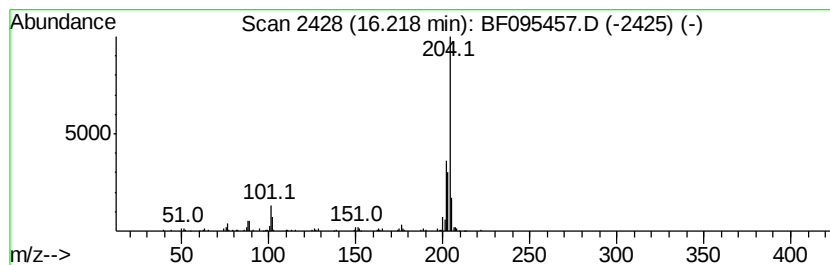
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.22	6.29 ng	276159	Phenanthrene-d10	14.99		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	80
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62



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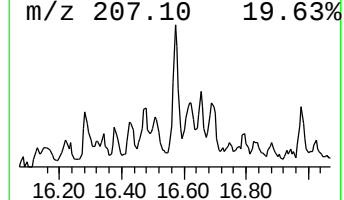
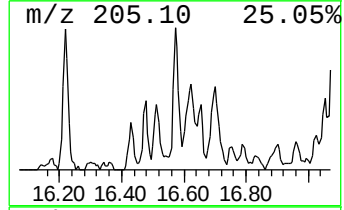
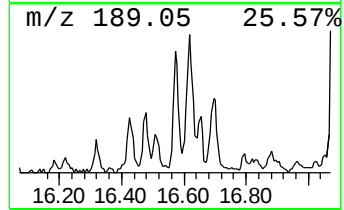
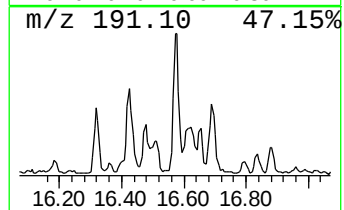
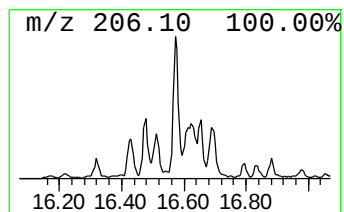
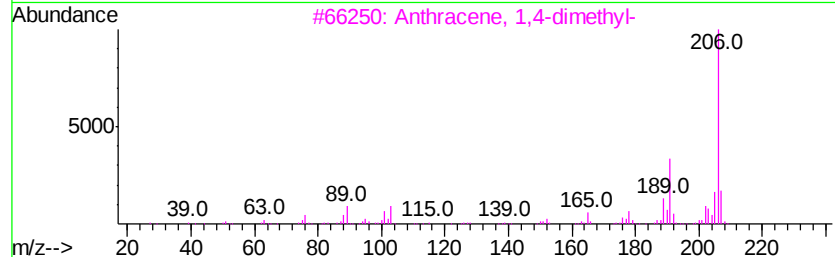
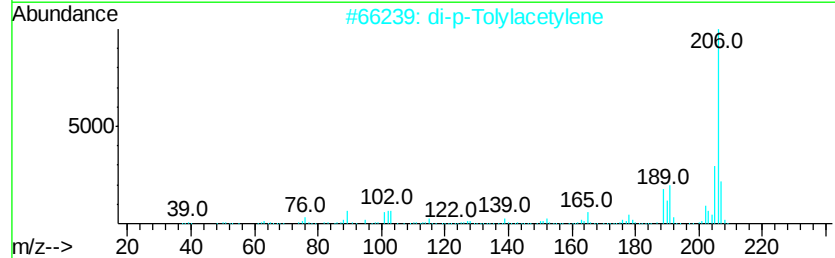
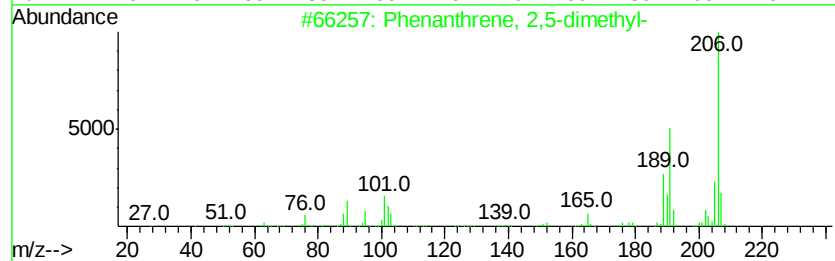
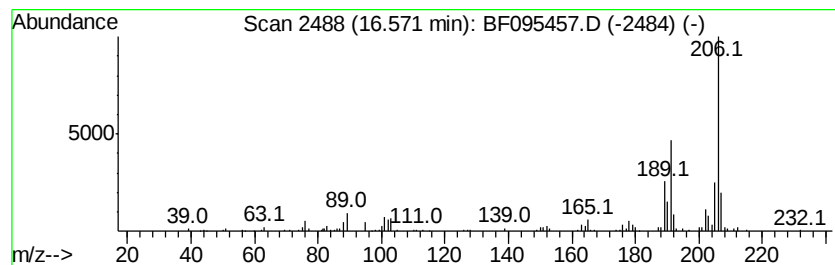
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.57	5.57 ng	244401	Phenanthrene-d10	14.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	95
3		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93



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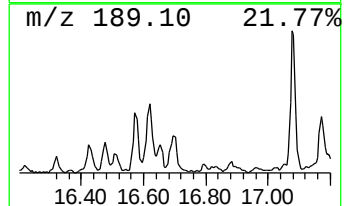
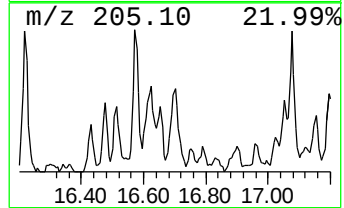
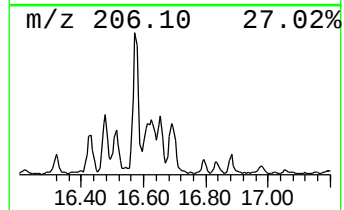
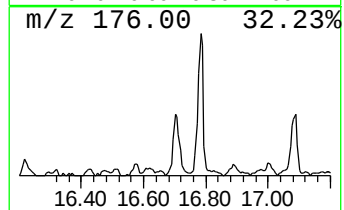
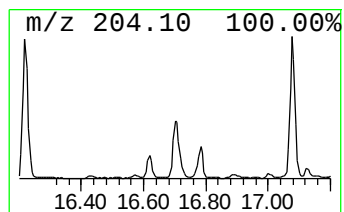
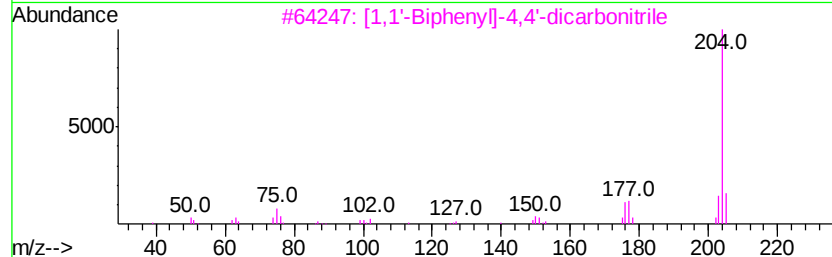
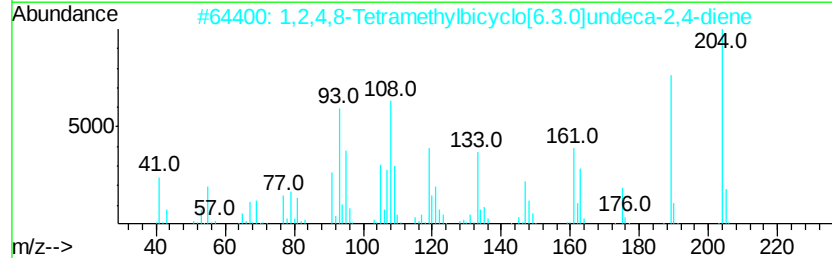
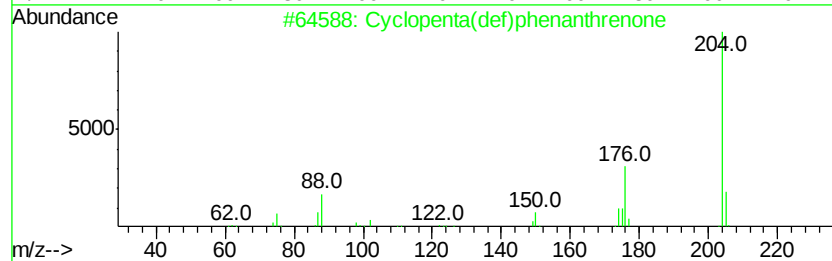
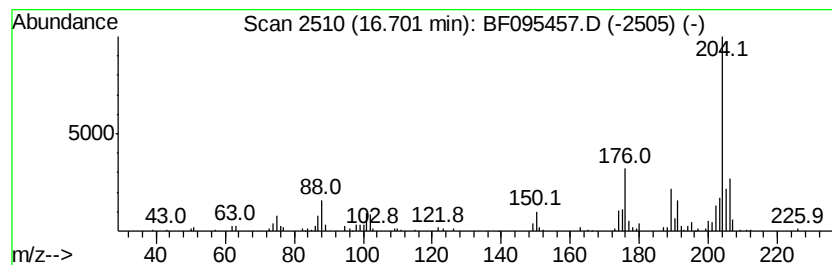
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	5.81 ng	254943	Phenanthrene-d10	14.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	92
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	60
3		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
4		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
5		2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
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ALS Vial : 4 Sample Multiplier: 1

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ClientSampleId :
EP2-WC6(6.5-8)

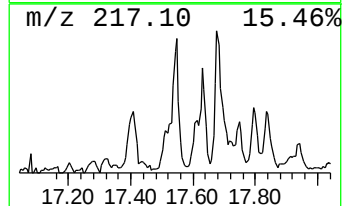
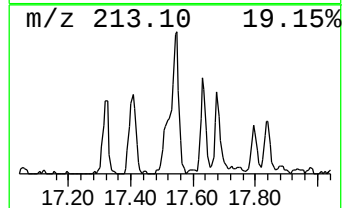
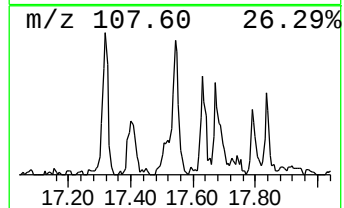
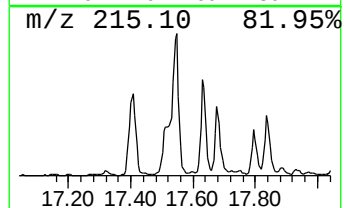
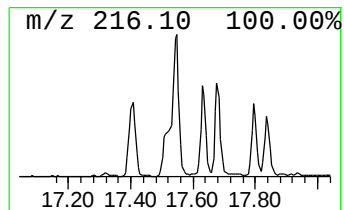
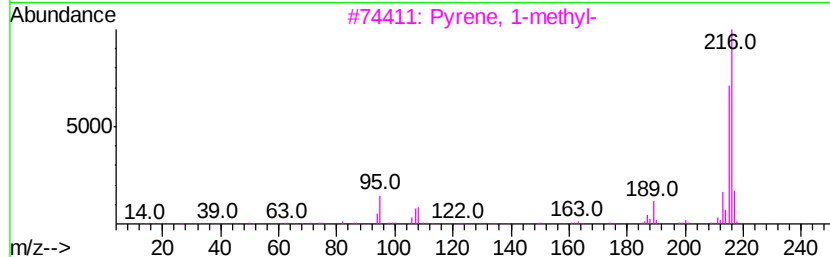
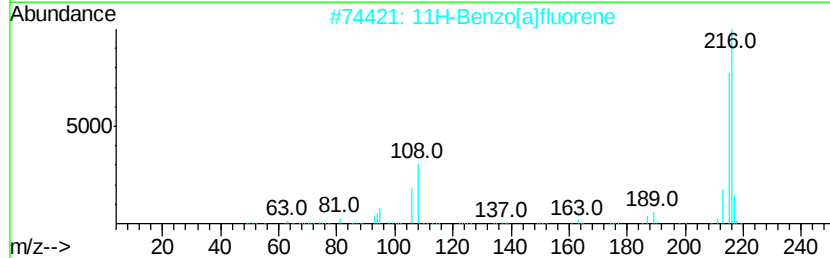
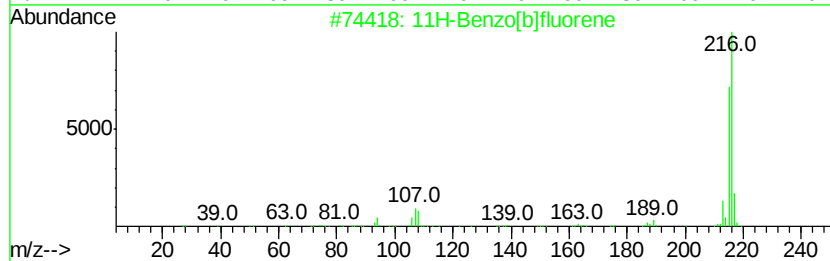
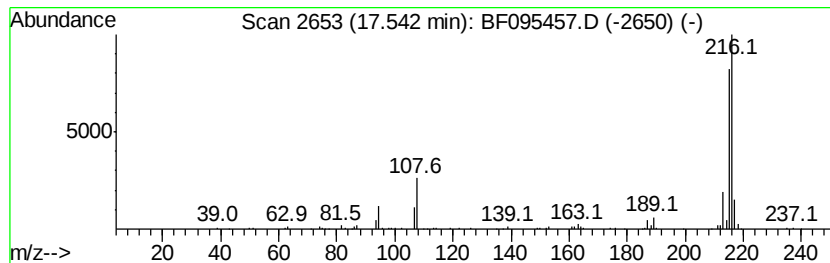
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.54	4.47 ng	415106	Chrysene-d12	18.67

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3			Pvrene, 1-methyl-	216	C17H12	002381-21-7	72
4			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64
5			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	60



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095457.D
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ALS Vial : 4 Sample Multiplier: 1

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ClientSampleId :
EP2-WC6(6.5-8)

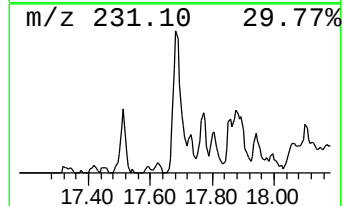
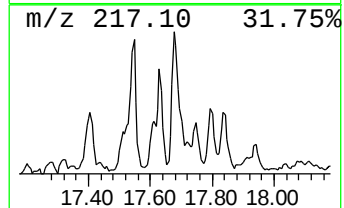
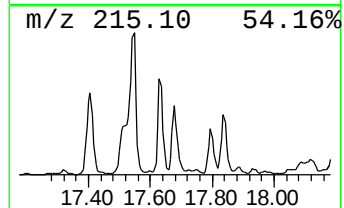
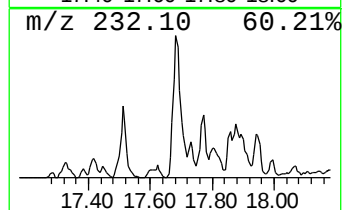
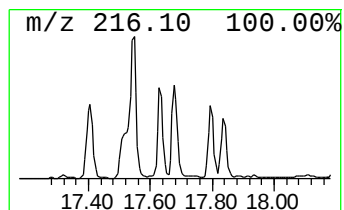
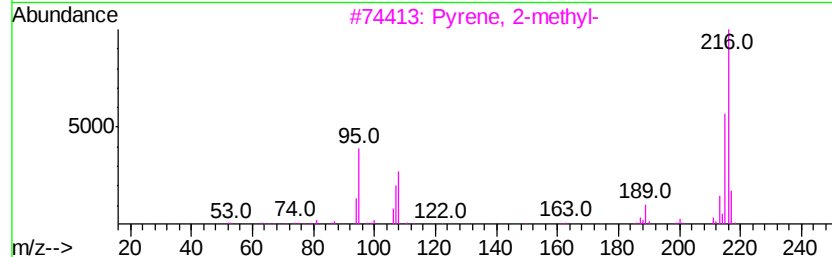
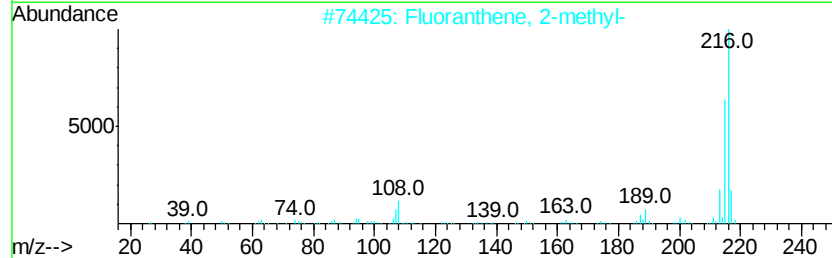
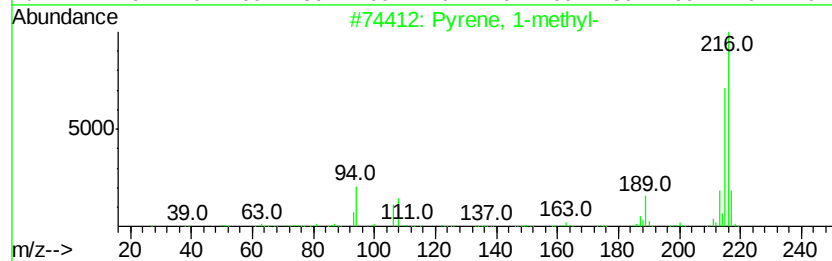
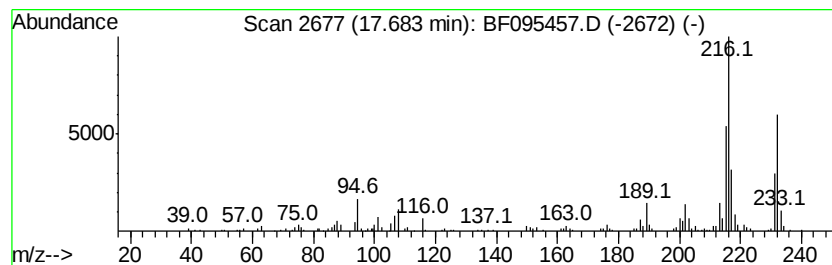
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.68	5.41 ng	502809	Chrysene-d12	18.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
3		Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
4		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095457.D
Acq On : 26 May 2017 13:09
Operator : SJ/MA
Sample : I3240-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EP2-WC6(6.5-8)

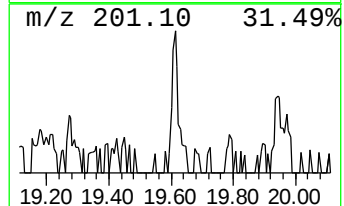
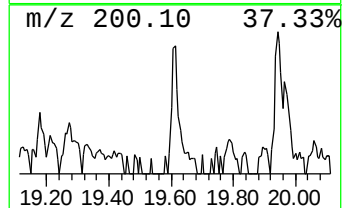
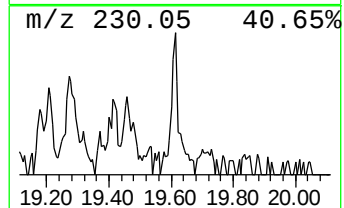
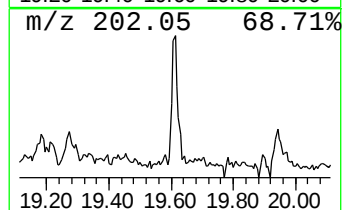
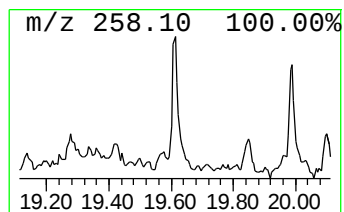
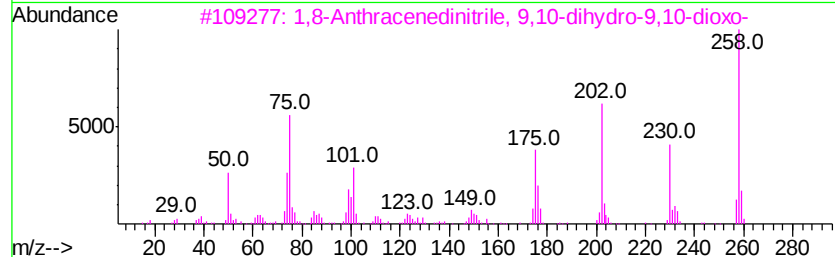
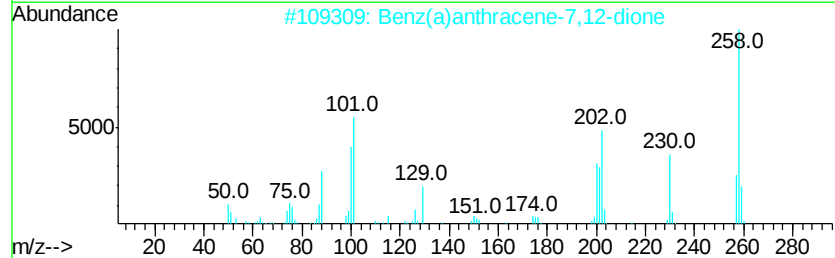
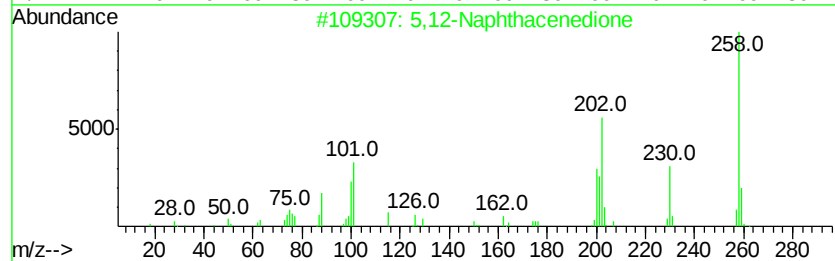
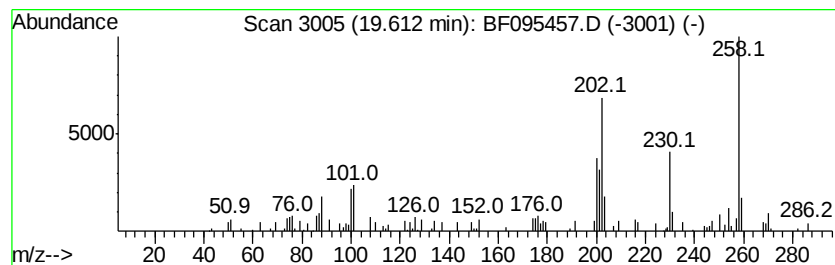
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 5,12-Naphthacenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.61	5.04 ng	124377	Perylene-d12	20.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	93
2		Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	89
3		1,8-Anthracenedinitrile, 9,10-di...	258	C16H6N2O2	090866-50-5	58
4		1,4-Chrysenequinone	258	C18H10O2	100900-16-1	58
5		Propionic acid N'-(4-chloro-2,5-...	258	C11H15ClN2O3	1000294-88-0	35



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
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ClientSampleId :
EP2-WC6(6.5-8)

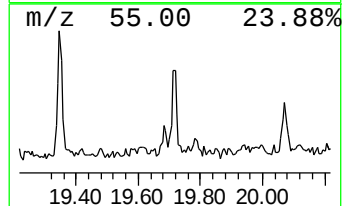
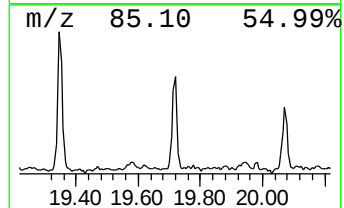
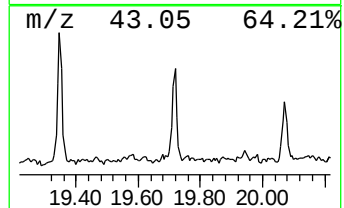
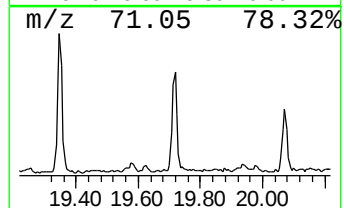
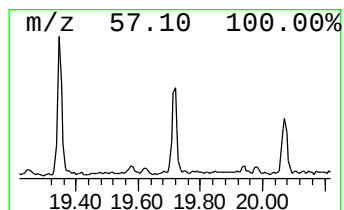
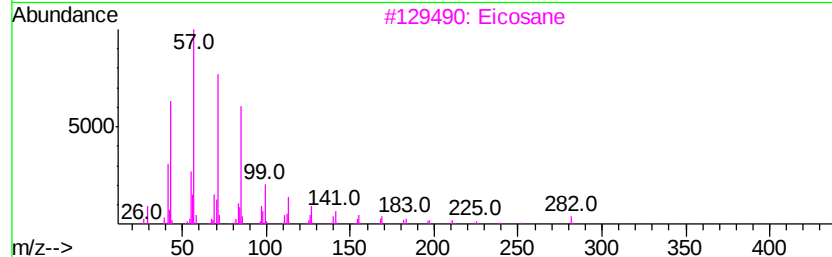
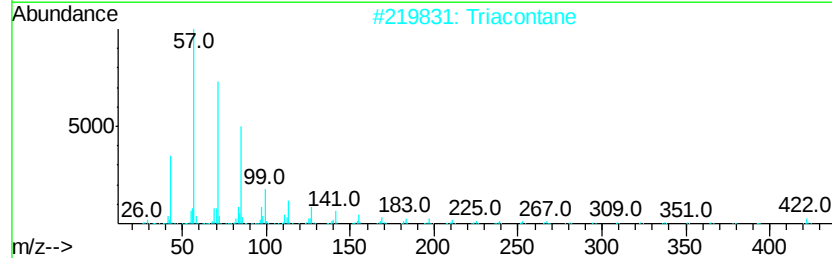
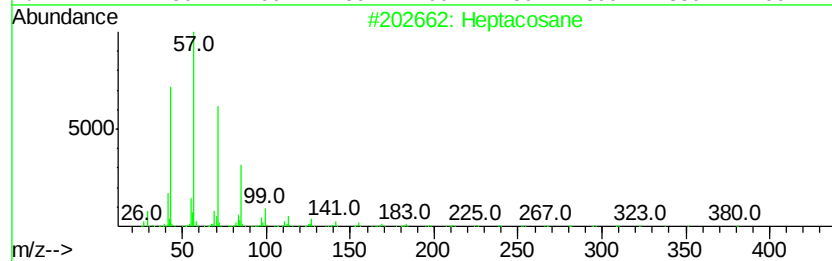
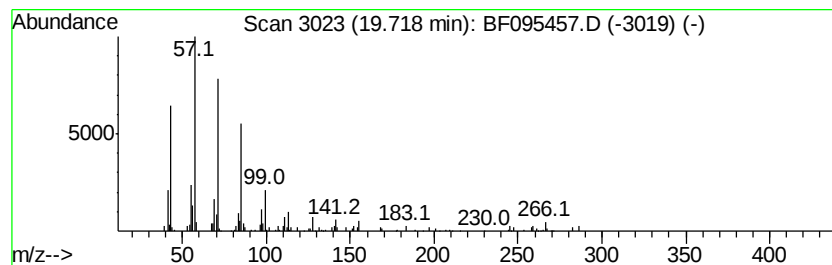
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Heptacosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.72	5.71 ng	140920	Perylene-d12	20.35

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptacosane	380	C27H56	000593-49-7	86
2			Triacontane	422	C30H62	000638-68-6	86
3			Eicosane	282	C20H42	000112-95-8	86
4			Octacosane	394	C28H58	000630-02-4	83
5			Docosane	310	C22H46	000629-97-0	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052617\
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Acq On : 26 May 2017 13:09
Operator : SJ/MA
Sample : I3240-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
EP2-WC6(6.5-8)

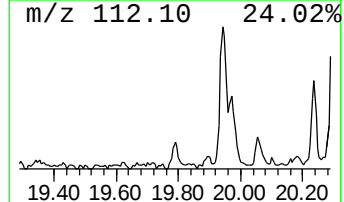
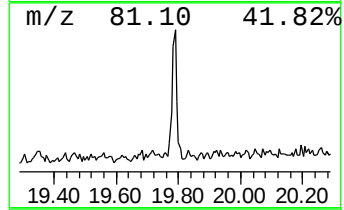
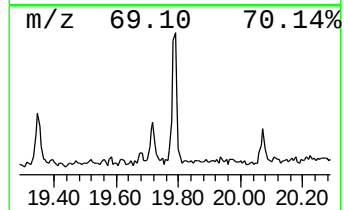
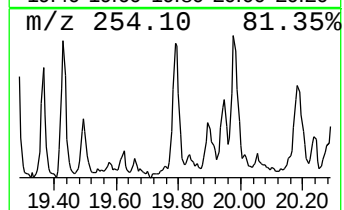
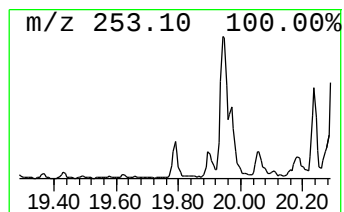
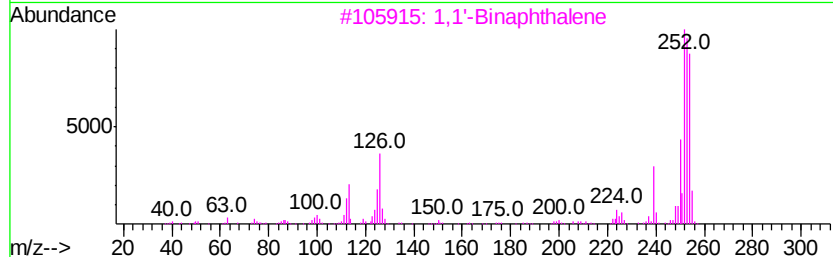
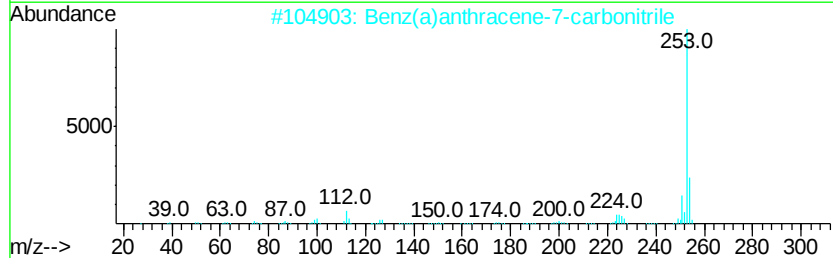
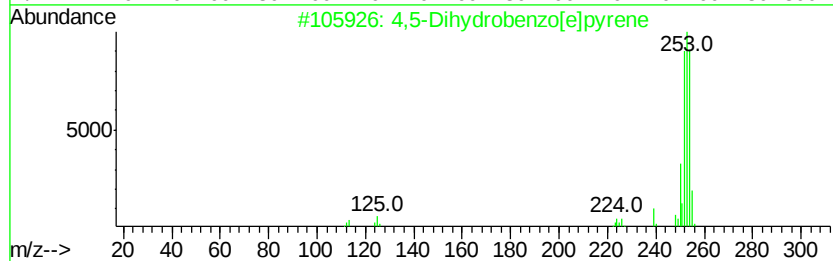
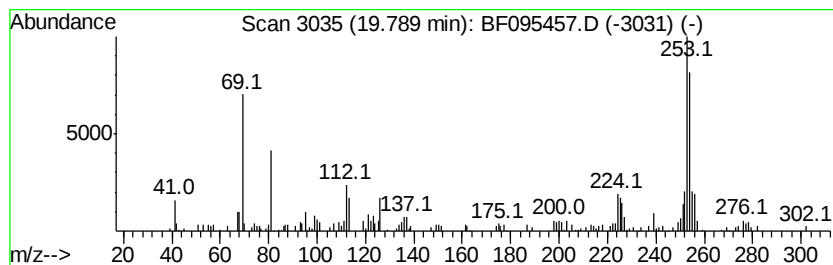
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 4,5-Dihydrobenzo[e]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.79	5.95 ng	146975	Perylene-d12	20.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	70
2		Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	64
3		1,1'-Binaphthalene	254	C20H14	000604-53-5	58
4		9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	58
5		4,6'-Biazuleny1	254	C20H14	094154-49-1	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095457.D
Acq On : 26 May 2017 13:09
Operator : SJ/MA
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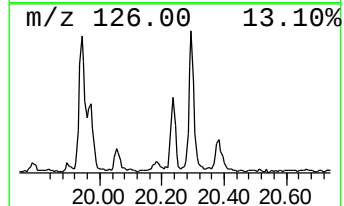
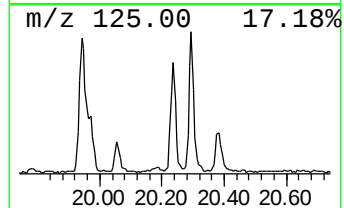
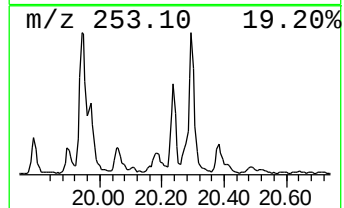
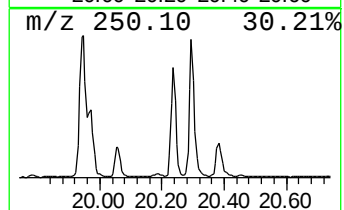
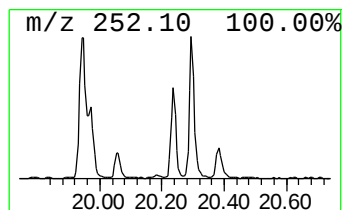
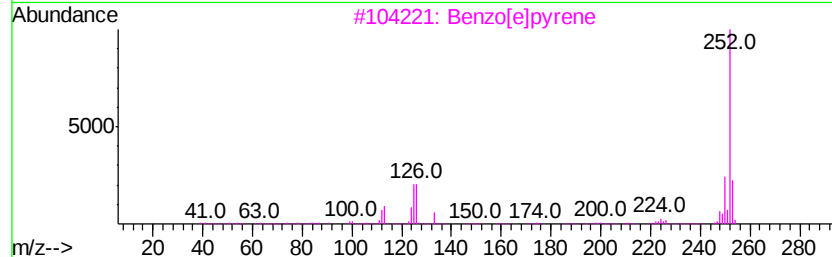
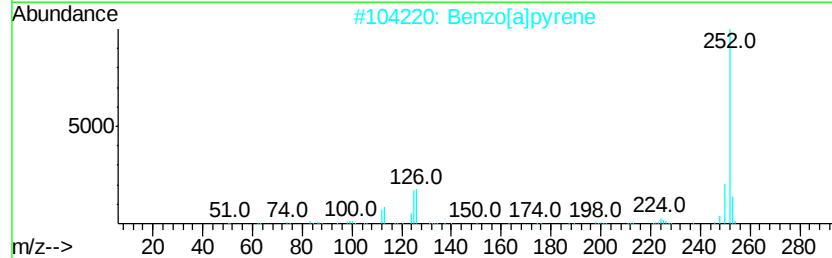
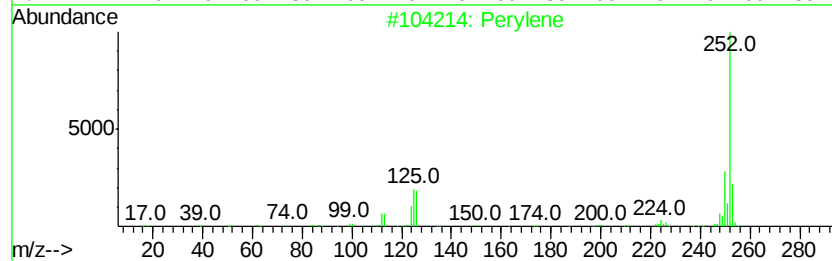
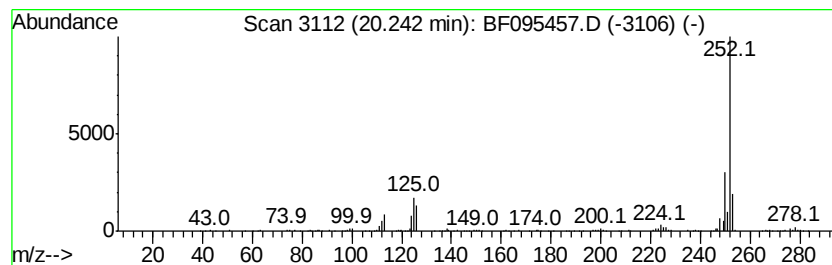
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
20.24	19.27 ng	475751	Perylene-d12	20.35

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
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Acq On : 26 May 2017 13:09
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Sample : I3240-06
Misc :
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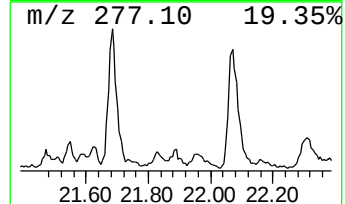
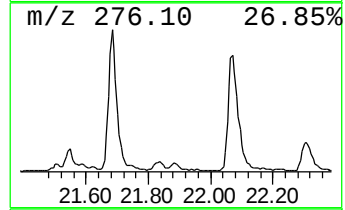
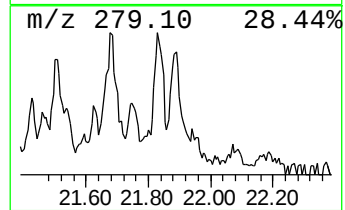
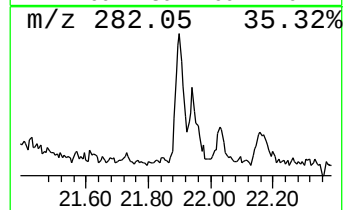
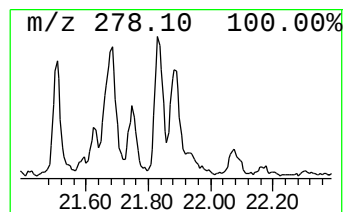
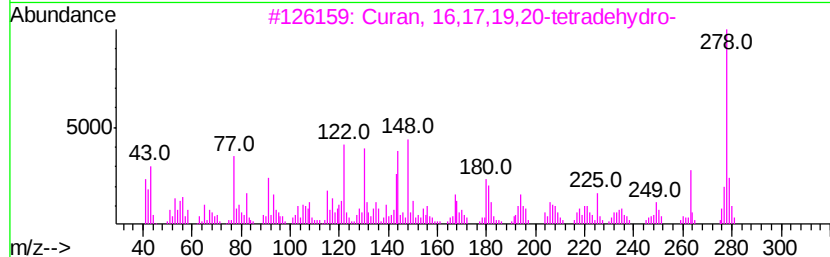
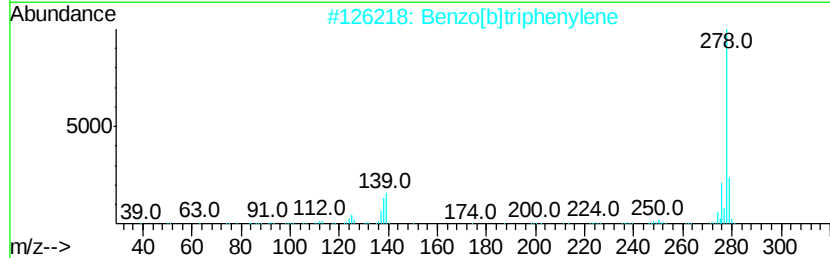
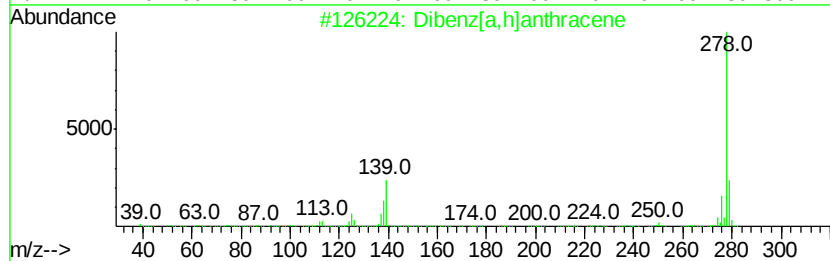
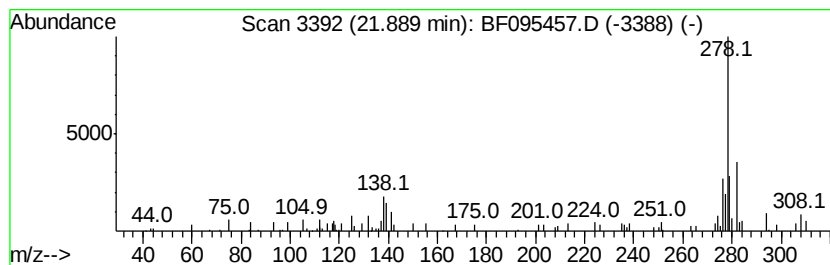
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Dibenz[a,h]anthracene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.89	4.38 ng	108046	Perylene-d12	20.35
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Dibenz[a,h]anthracene	278 C22H14	000053-70-3 55
2		Benzo[b]triphenylene	278 C22H14	000215-58-7 55
3		Curan, 16,17,19,20-tetradehydro-	278 C19H22N2	056053-17-9 47
4		Benz[a]anthracene-7,12-dicarboni...	278 C20H10N2	035215-32-8 47
5		Dibenz[a,j]anthracene	278 C22H14	000224-41-9 46



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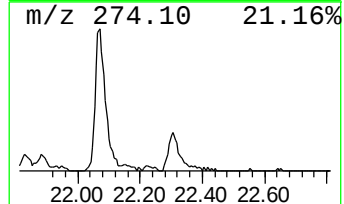
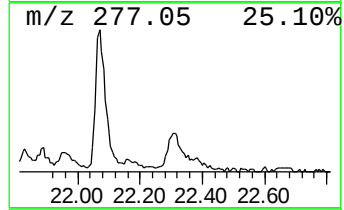
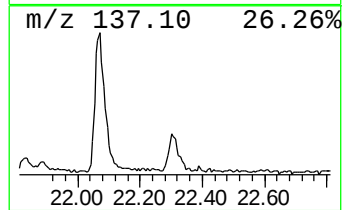
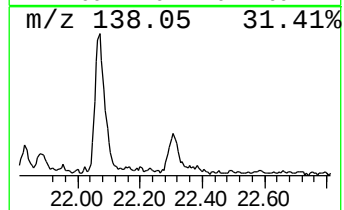
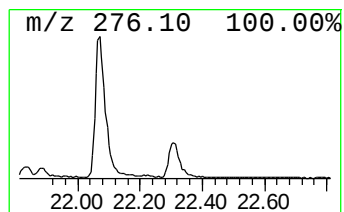
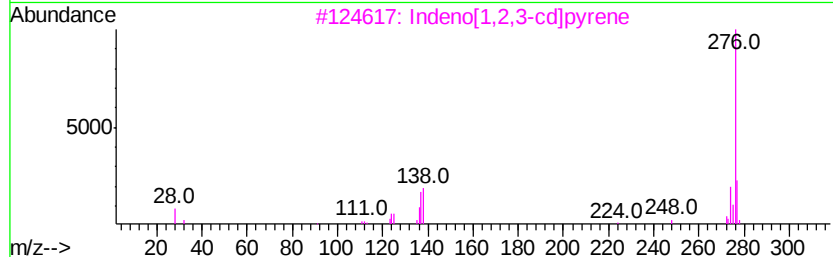
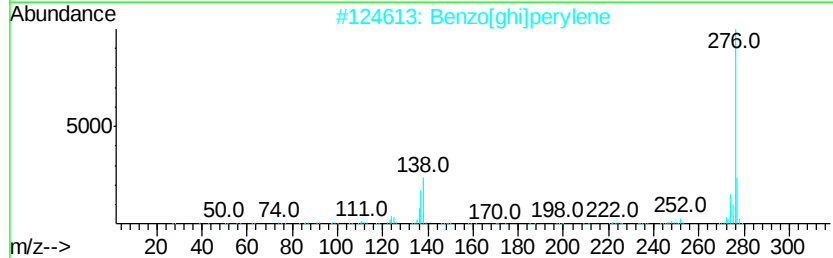
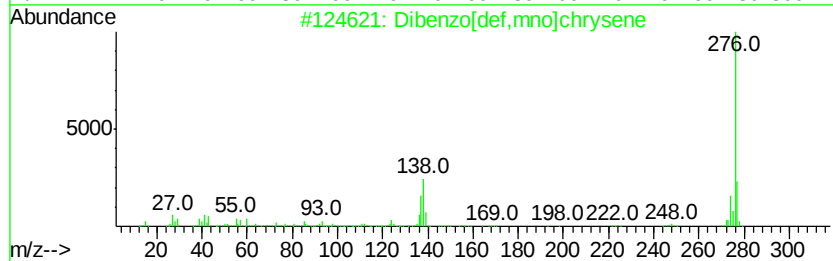
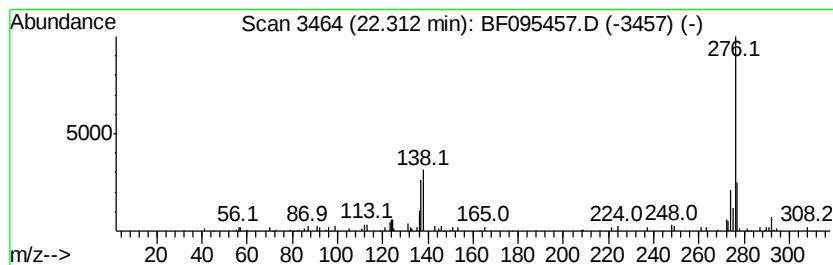
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Dibenzo[def,mno]chrysene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.31	5.97 ng	147339	Perylene-d12	20.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	95
2		Benzo[ghi]perylene	276	C22H12	000191-24-2	91
3		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	89
4		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	76
5		1H-Cyclopenta[4,5]pyrido[1,2-a]b...	276	C17H16N4	329707-31-5	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
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ALS Vial : 4 Sample Multiplier: 1

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ClientSampleId :
EP2-WC6(6.5-8)

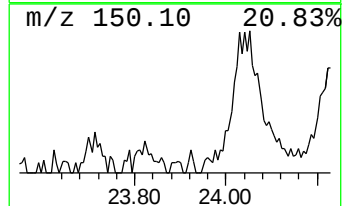
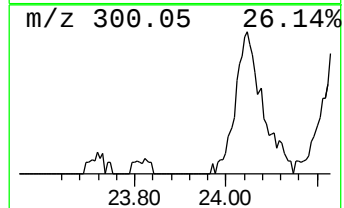
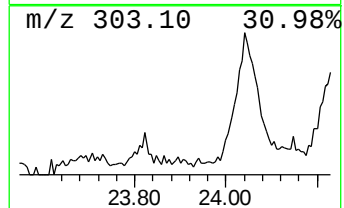
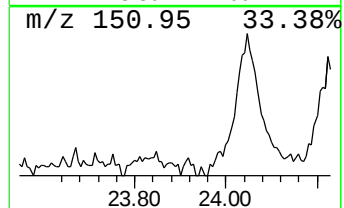
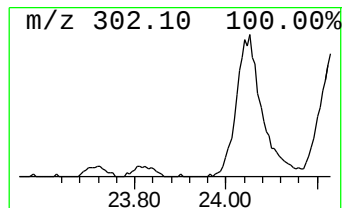
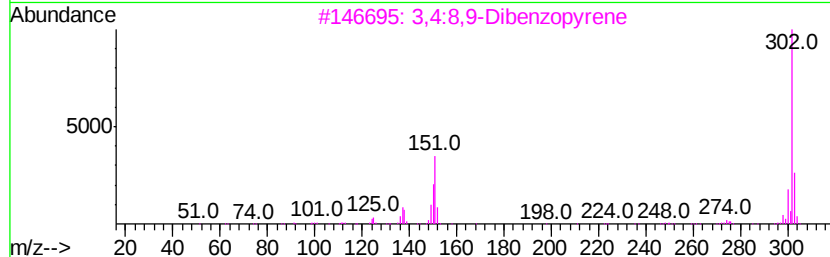
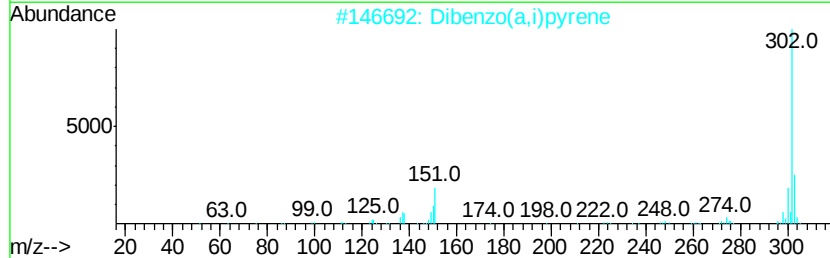
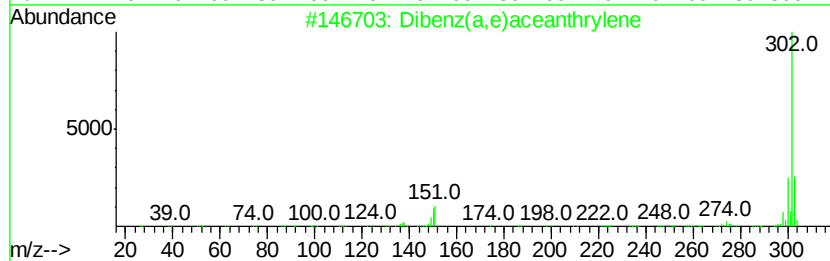
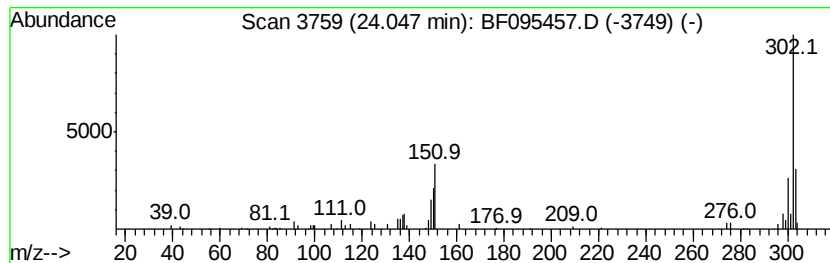
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenz(a,e)aceanthrylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.05	7.59 ng	187365	Perylene-d12	20.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	95
2		Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	95
3		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	95
4		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
5		Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052617\
 Data File : BF095457.D
 Acq On : 26 May 2017 13:09
 Operator : SJ/MA
 Sample : I3240-06
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP2-WC6(6.5-8)

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	21.4	ng	615460	1	7.74	574975	20.0
unknown7.41	7.41	95.5	ng	2745680	1	7.74	574975	20.0
Anthracene, 1-met...	15.78	9.0	ng	394017	4	14.99	877626	20.0
5H-Dibenzo[a,d]cy...	15.82	10.8	ng	473227	4	14.99	877626	20.0
4H-Cyclopenta[def...	15.93	13.9	ng	608185	4	14.99	877626	20.0
Naphthalene, 2-ph...	16.22	6.3	ng	276159	4	14.99	877626	20.0
Phenanthrene, 2,5...	16.57	5.6	ng	244401	4	14.99	877626	20.0
Cyclopenta(def)ph...	16.70	5.8	ng	254943	4	14.99	877626	20.0
11H-Benzo[b]fluorene	17.54	4.5	ng	415106	5	18.67	1858240	20.0
Pyrene, 1-methyl-	17.68	5.4	ng	502809	5	18.67	1858240	20.0
5,12-Naphthacened...	19.61	5.0	ng	124377	6	20.35	493742	20.0
Heptacosane	19.72	5.7	ng	140920	6	20.35	493742	20.0
4,5-Dihydrobenzo[...	19.79	6.0	ng	146975	6	20.35	493742	20.0
Perylene	20.24	19.3	ng	475751	6	20.35	493742	20.0
Dibenz[a,h]anthra...	21.89	4.4	ng	108046	6	20.35	493742	20.0
Dibenzo[def,mno]c...	22.31	6.0	ng	147339	6	20.35	493742	20.0
Dibenz(a,e)aceant...	24.05	7.6	ng	187365	6	20.35	493742	20.0