

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051717\
 Data File : BF095203.D
 Acq On : 18 May 2017 00:57
 Operator : SJ/MA
 Sample : I3172-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-02

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	5.137	539	544	563	rBV	174659	413480	14.08%	0.847%
2	5.743	643	647	674	rBV	1360162	2503522	85.28%	5.131%
3	7.319	910	915	930	rBV	1683403	2588374	88.17%	5.305%
4	7.437	930	935	954	rVB	2004723	2935748	100.00%	6.017%
5	7.772	988	992	1003	rBV	441631	508173	17.31%	1.041%
6	8.007	1027	1032	1048	rBV	1704624	2038628	69.44%	4.178%
7	8.672	1140	1145	1171	rBV	1175800	1646556	56.09%	3.374%
8	9.789	1330	1335	1356	rBV	454568	703307	23.96%	1.441%
9	11.560	1630	1636	1657	rBV	2213683	2852603	97.17%	5.846%
10	12.095	1722	1727	1732	rBV2	32315	46961	1.60%	0.096%
11	12.254	1749	1754	1766	rBV	260400	407759	13.89%	0.836%
12	12.619	1811	1816	1822	rBV2	572816	773438	26.35%	1.585%
13	12.672	1822	1825	1833	rVB	130345	166249	5.66%	0.341%
14	12.971	1871	1876	1884	rBV2	57812	107446	3.66%	0.220%
15	13.454	1954	1958	1963	rBV2	41849	51752	1.76%	0.106%
16	13.519	1963	1969	1978	rVB2	176591	246813	8.41%	0.506%
17	13.789	2011	2015	2023	rBV2	62307	101784	3.47%	0.209%
18	13.918	2031	2037	2047	rBV	1074069	1554232	52.94%	3.185%
19	14.224	2085	2089	2092	rBV	41628	45643	1.55%	0.094%
20	14.418	2115	2122	2126	rBV	55115	97081	3.31%	0.199%
21	14.460	2126	2129	2136	rVV	29850	52629	1.79%	0.108%
22	14.548	2136	2144	2149	rVB3	26818	59034	2.01%	0.121%
23	14.642	2156	2160	2164	rBV4	44203	69746	2.38%	0.143%
24	14.748	2174	2178	2185	rVB3	41623	63159	2.15%	0.129%
25	14.818	2185	2190	2193	rBV	41780	62116	2.12%	0.127%
26	14.860	2193	2197	2201	rVB	76464	94740	3.23%	0.194%
27	15.018	2217	2224	2227	rBV	525327	639857	21.80%	1.311%
28	15.060	2227	2231	2240	rVV	1606408	2012498	68.55%	4.124%
29	15.142	2240	2245	2255	rVB	561355	718201	24.46%	1.472%
30	15.236	2258	2261	2265	rBV3	35178	50891	1.73%	0.104%
31	15.442	2292	2296	2304	rBV2	29581	80219	2.73%	0.164%
32	15.507	2304	2307	2311	rVV	50394	55803	1.90%	0.114%
33	15.801	2353	2357	2361	rBV	244388	275617	9.39%	0.565%
34	15.842	2361	2364	2372	rVV	316351	362789	12.36%	0.744%

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35	15.912	2372	2376	2379	rVV	150407	160137	5.45%	0.328%
36	15.948	2379	2382	2386	rVV2	377339	520939	17.74%	1.068%
37	15.989	2386	2389	2395	rVB	174493	281562	9.59%	0.577%
38	16.242	2429	2432	2438	rVV	155846	176844	6.02%	0.362%
39	16.301	2438	2442	2446	rVV2	46228	62480	2.13%	0.128%
40	16.448	2464	2467	2472	rBV2	45503	62809	2.14%	0.129%
41	16.495	2472	2475	2479	rVV	59598	72759	2.48%	0.149%
42	16.530	2479	2481	2487	rVB	44530	46378	1.58%	0.095%
43	16.595	2487	2492	2496	rBV	115436	170122	5.79%	0.349%
44	16.636	2496	2499	2503	rVV2	57937	86467	2.95%	0.177%
45	16.718	2508	2513	2521	rBV	157302	222452	7.58%	0.456%
46	16.807	2522	2528	2532	rBV	2475380	2914023	99.26%	5.972%
47	16.836	2532	2533	2539	rVB2	69326	75954	2.59%	0.156%
48	16.901	2539	2544	2549	rBV3	69653	139973	4.77%	0.287%
49	17.001	2557	2561	2565	rBV2	80123	115039	3.92%	0.236%
50	17.107	2574	2579	2583	rVB2	2197716	2884119	98.24%	5.911%
51	17.189	2590	2593	2596	rVB	68459	78443	2.67%	0.161%
52	17.289	2607	2610	2614	rBV	167347	187086	6.37%	0.383%
53	17.342	2614	2619	2626	rVB	1789339	2077246	70.76%	4.257%
54	17.401	2626	2629	2630	rBV	71893	71332	2.43%	0.146%
55	17.424	2630	2633	2639	rVB2	144568	204348	6.96%	0.419%
56	17.530	2645	2651	2654	rBV3	152832	253920	8.65%	0.520%
57	17.565	2654	2657	2662	rVB	416957	459547	15.65%	0.942%
58	17.618	2662	2666	2668	rBV3	43952	56618	1.93%	0.116%
59	17.654	2668	2672	2676	rVB	335194	382445	13.03%	0.784%
60	17.695	2676	2679	2686	rBV2	276934	451269	15.37%	0.925%
61	17.812	2696	2699	2703	rBV	114596	128253	4.37%	0.263%
62	17.854	2703	2706	2711	rBV	80550	115079	3.92%	0.236%
63	17.895	2711	2713	2718	rVB3	33902	44757	1.52%	0.092%
64	17.995	2727	2730	2734	rVB3	40584	45309	1.54%	0.093%
65	18.077	2738	2744	2746	rBV5	43449	75313	2.57%	0.154%
66	18.136	2750	2754	2757	rVB2	31453	47761	1.63%	0.098%
67	18.206	2762	2766	2770	rBV4	50968	86092	2.93%	0.176%
68	18.248	2770	2773	2777	rVB	131639	158863	5.41%	0.326%
69	18.365	2789	2793	2796	rBV	152274	214931	7.32%	0.440%
70	18.401	2796	2799	2801	rVV2	219309	250255	8.52%	0.513%
71	18.430	2801	2804	2807	rVV	140870	157122	5.35%	0.322%

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72	18.465	2807	2810	2814	rVB2	108446	123777	4.22%	0.254%
73	18.518	2816	2819	2823	rBV	109571	119756	4.08%	0.245%
74	18.589	2828	2831	2835	rBV	60986	69527	2.37%	0.142%
75	18.683	2841	2847	2851	rBV2	1255560	1950978	66.46%	3.998%
76	18.730	2851	2855	2863	rVV	1001954	1339280	45.62%	2.745%
77	18.818	2866	2870	2874	rVV	219076	242790	8.27%	0.498%
78	18.901	2881	2884	2886	rBV2	54018	59215	2.02%	0.121%
79	18.965	2892	2895	2900	rBV	154150	174899	5.96%	0.358%
80	19.012	2900	2903	2908	rVV3	87737	106715	3.64%	0.219%
81	19.148	2923	2926	2928	rBV2	66073	76776	2.62%	0.157%
82	19.195	2930	2934	2937	rVV	239558	290171	9.88%	0.595%
83	19.236	2939	2941	2945	rVB	153504	161428	5.50%	0.331%
84	19.277	2945	2948	2950	rBV4	56149	77227	2.63%	0.158%
85	19.312	2950	2954	2957	rVB2	120720	130910	4.46%	0.268%
86	19.353	2957	2961	2962	rBV4	66497	91471	3.12%	0.187%
87	19.618	3003	3006	3013	rBV9	71617	146686	5.00%	0.301%
88	19.800	3034	3037	3041	rBV2	144692	212171	7.23%	0.435%
89	19.965	3060	3065	3068	rBV	1028310	1689499	57.55%	3.462%
90	20.071	3080	3083	3087	rBV	195219	226350	7.71%	0.464%
91	20.183	3100	3102	3103	rBV	50289	46311	1.58%	0.095%
92	20.253	3110	3114	3120	rBV	543962	667440	22.73%	1.368%
93	20.312	3120	3124	3128	rBV	820933	920649	31.36%	1.887%
94	20.371	3130	3134	3137	rBV	329058	378555	12.89%	0.776%
95	20.965	3232	3235	3241	rVB2	142314	241492	8.23%	0.495%
96	21.342	3296	3299	3303	rVB2	74865	93206	3.17%	0.191%
97	21.700	3355	3360	3367	rBV	267360	496015	16.90%	1.017%
98	21.853	3381	3386	3390	rBV2	98980	174513	5.94%	0.358%
99	21.906	3392	3395	3400	rVB3	86050	141127	4.81%	0.289%
100	22.094	3421	3427	3435	rBV	205739	420532	14.32%	0.862%

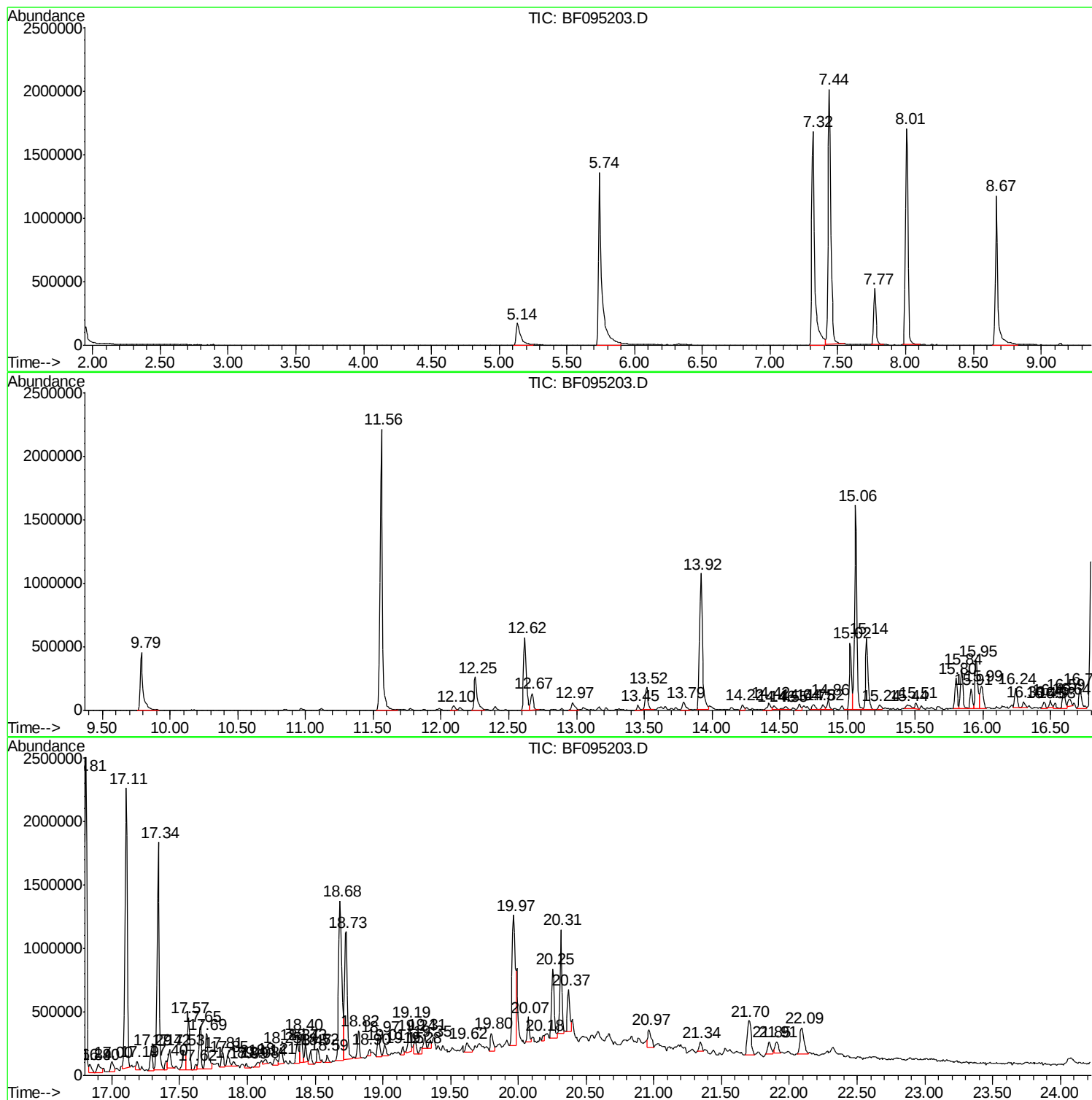
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Instrument :
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ClientSampled :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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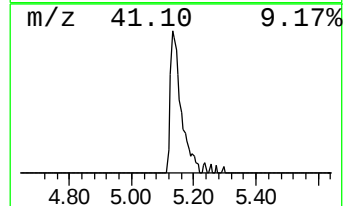
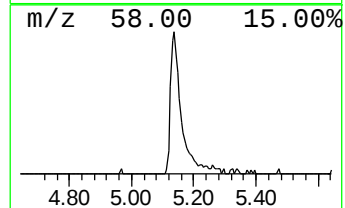
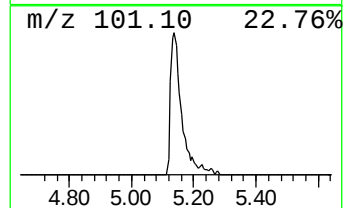
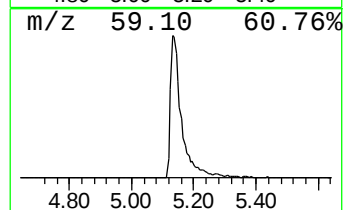
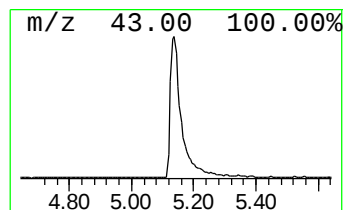
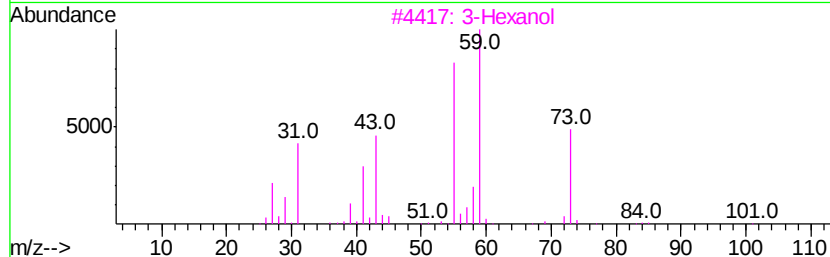
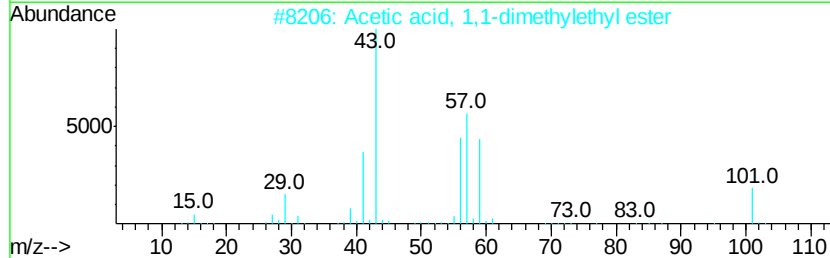
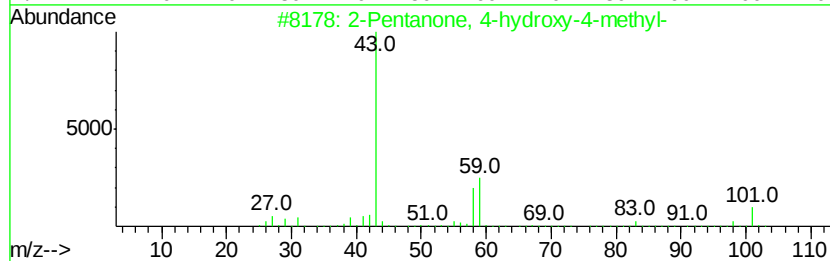
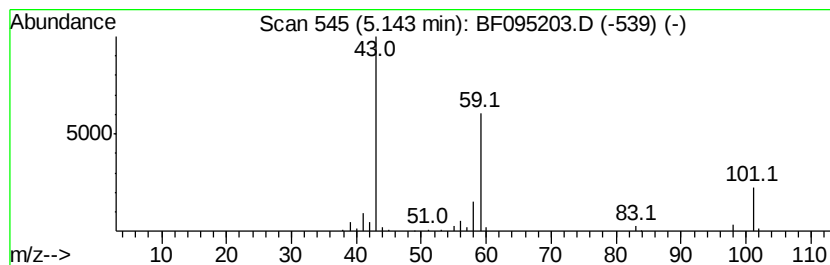
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
5.14	16.27 ng	413480	1,4-Dichlorobenzene-d4	7.77

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3			3-Hexanol	102	C6H14O	000623-37-0	28
4			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



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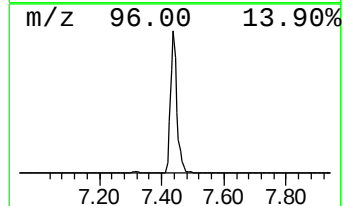
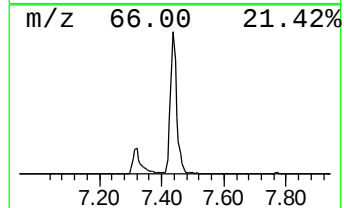
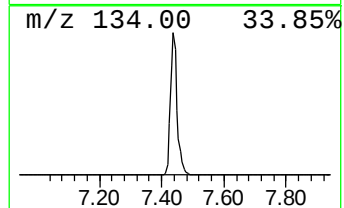
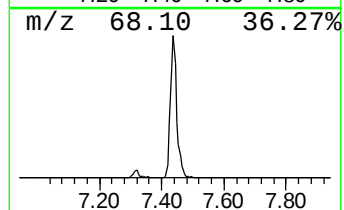
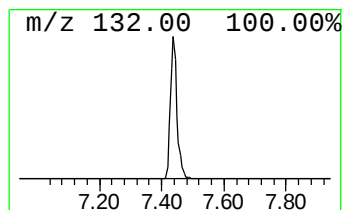
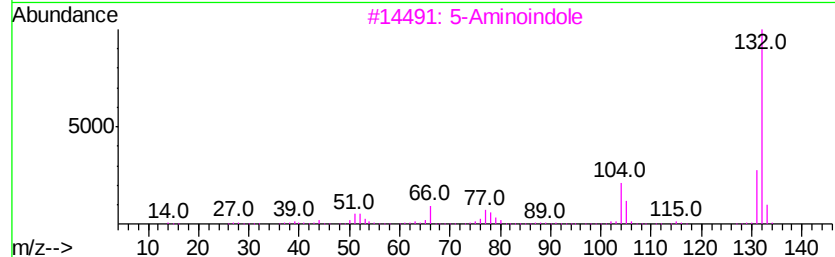
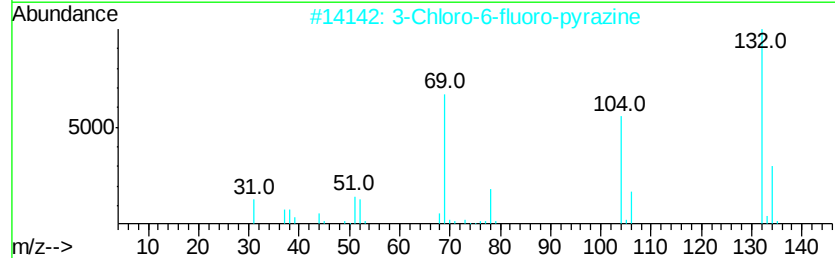
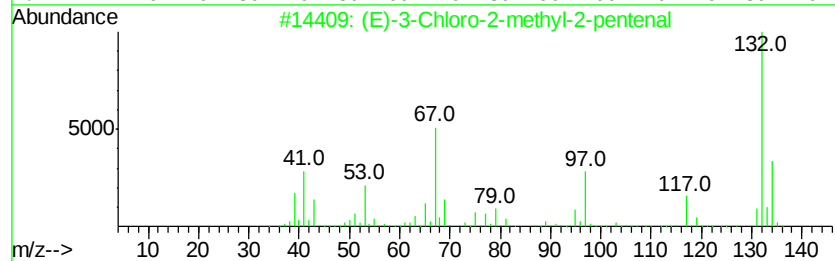
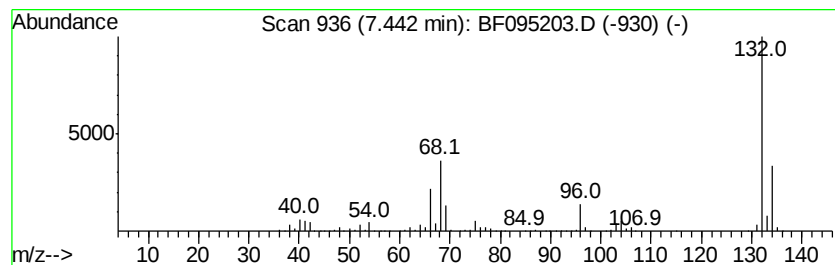
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown7.44 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.44	115.54 ng	2935750	1,4-Dichlorobenzene-d4	7.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	35
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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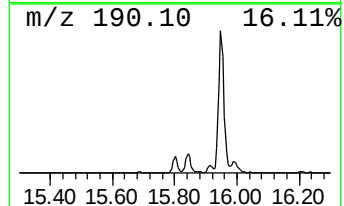
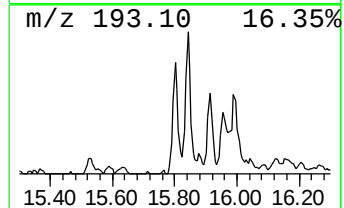
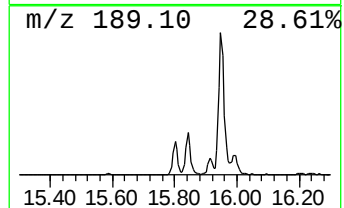
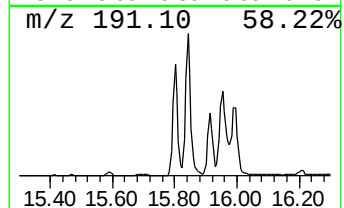
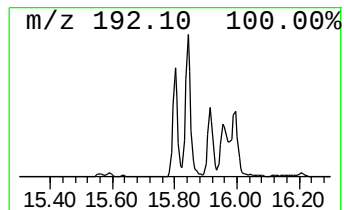
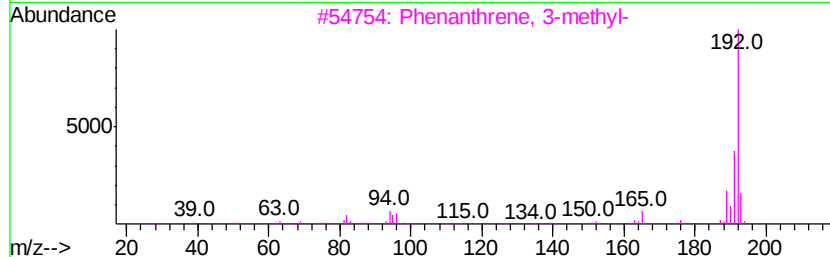
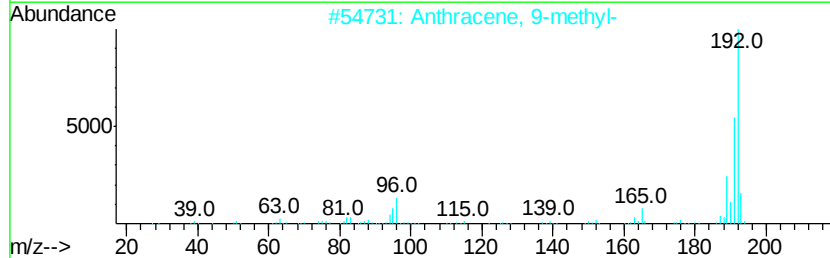
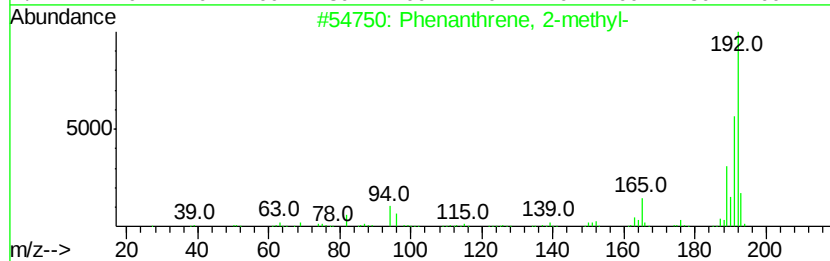
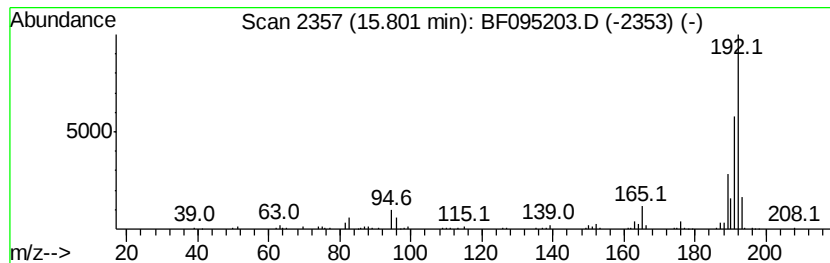
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	8.61 ng	275617	Phenanthrene-d10	15.02

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
3		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051717\
Data File : BF095203.D
Acq On : 18 May 2017 00:57
Operator : SJ/MA
Sample : I3172-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

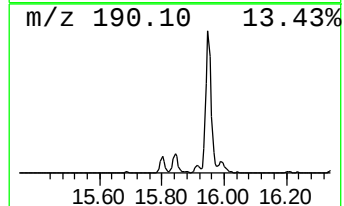
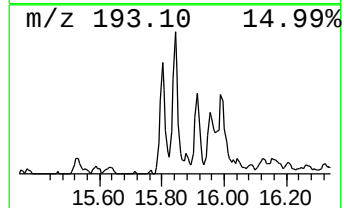
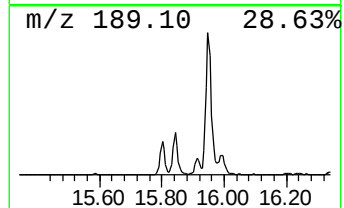
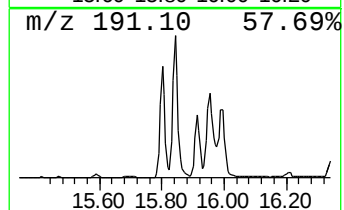
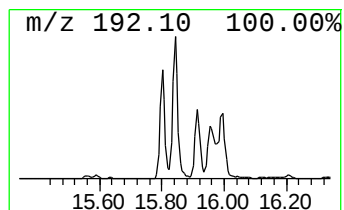
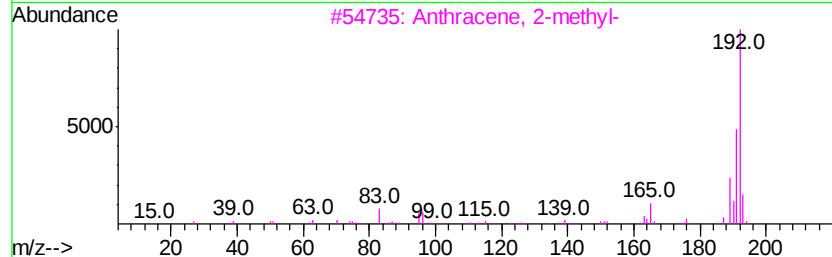
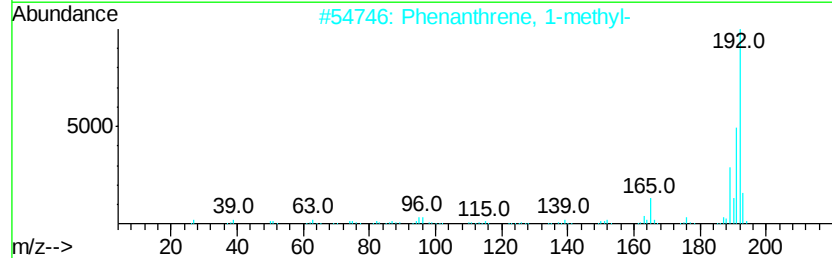
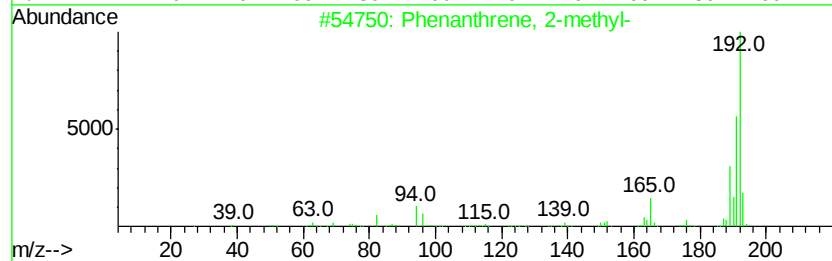
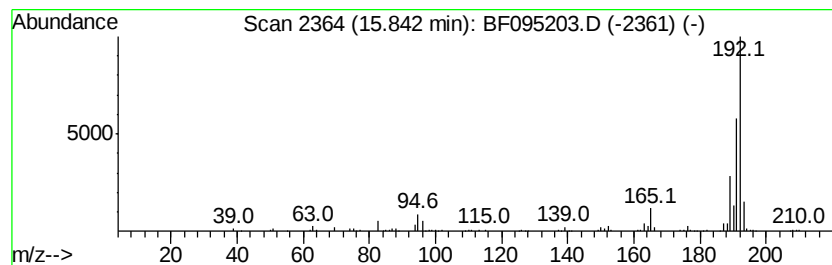
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BNA_F
ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.84	11.34 ng	362789	Phenanthrene-d10	15.02	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051717\
Data File : BF095203.D
Acq On : 18 May 2017 00:57
Operator : SJ/MA
Sample : I3172-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

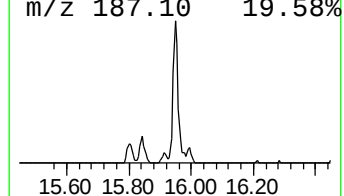
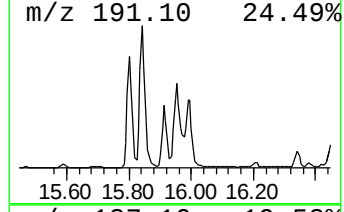
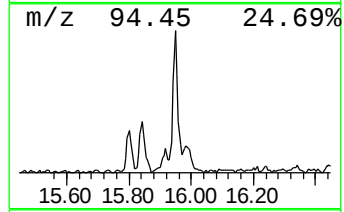
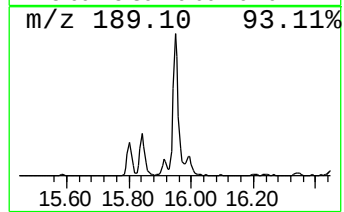
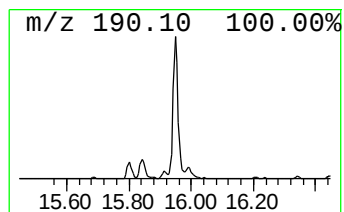
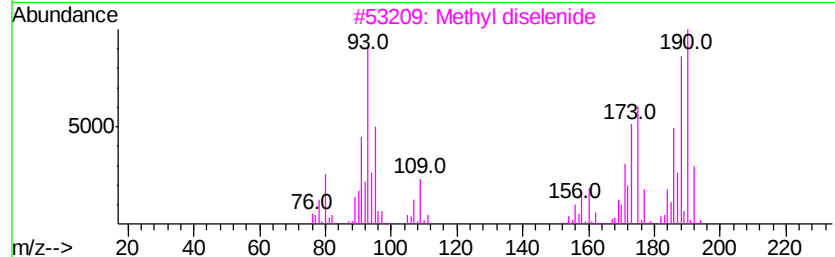
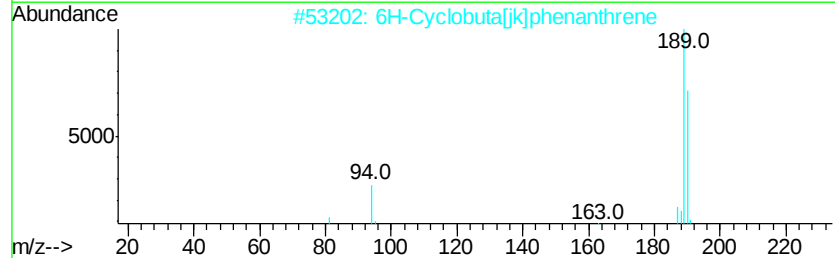
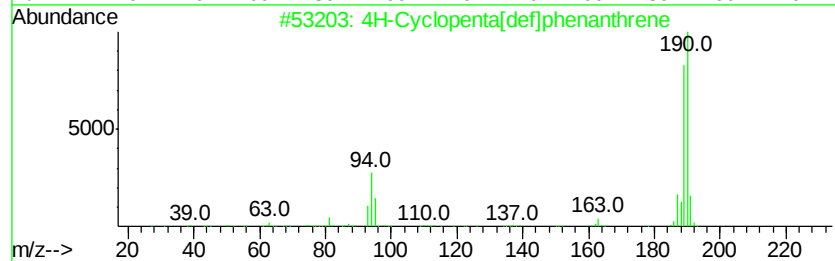
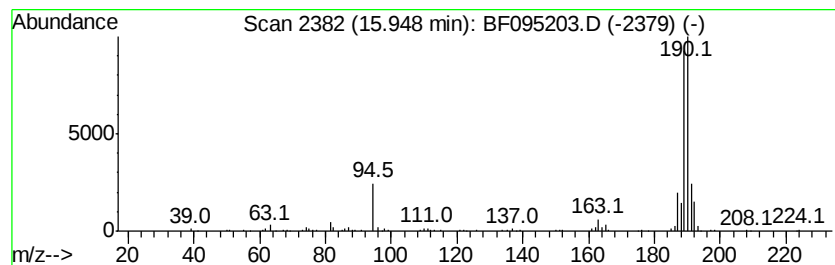
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.95	16.28 ng	520939	Phenanthrene-d10	15.02		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	56
3		Methyl diselenide	190	C2H6Se2	007101-31-7	55
4		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051717\
Data File : BF095203.D
Acq On : 18 May 2017 00:57
Operator : SJ/MA
Sample : I3172-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-02

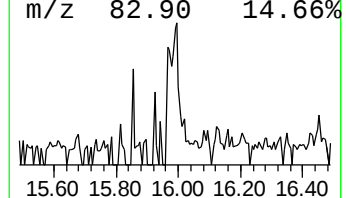
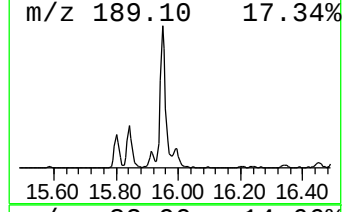
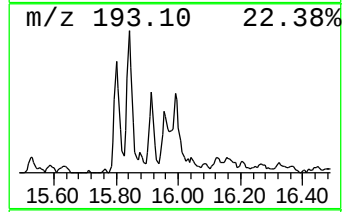
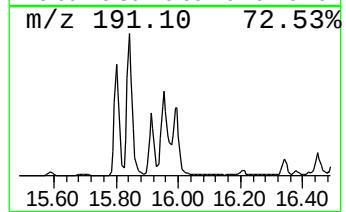
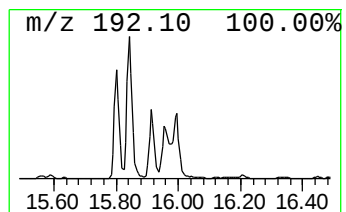
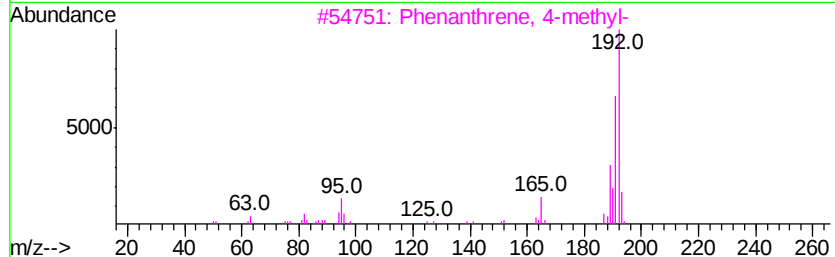
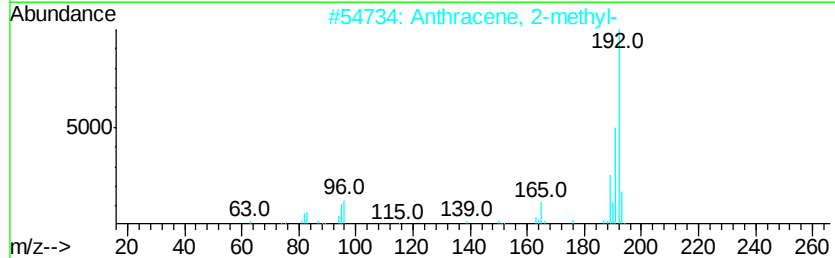
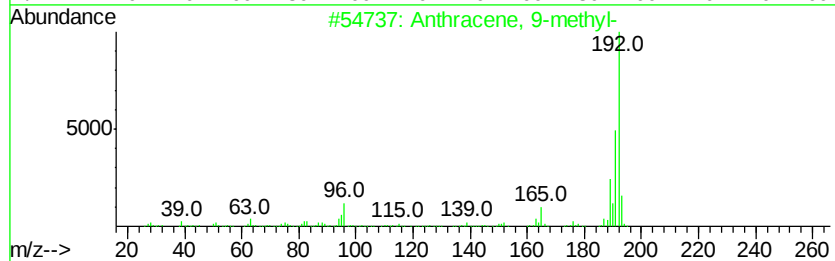
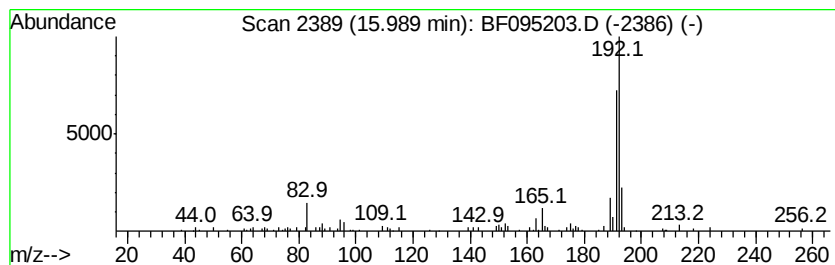
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Anthracene, 9-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	8.80 ng	281562	Phenanthrene-d10	15.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	83
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	81
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	80
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051717\
Data File : BF095203.D
Acq On : 18 May 2017 00:57
Operator : SJ/MA
Sample : I3172-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

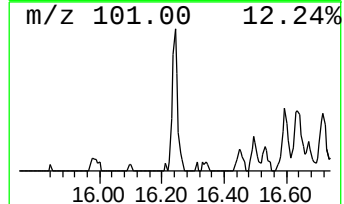
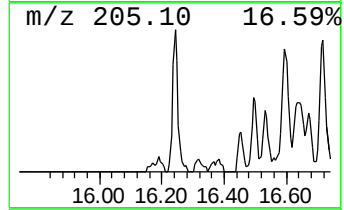
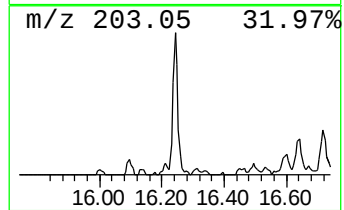
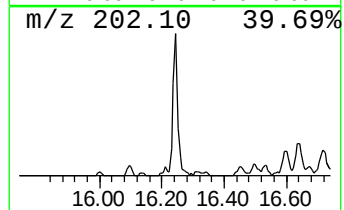
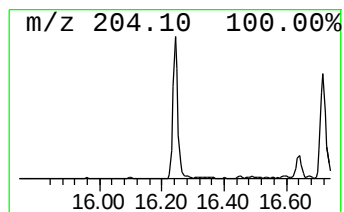
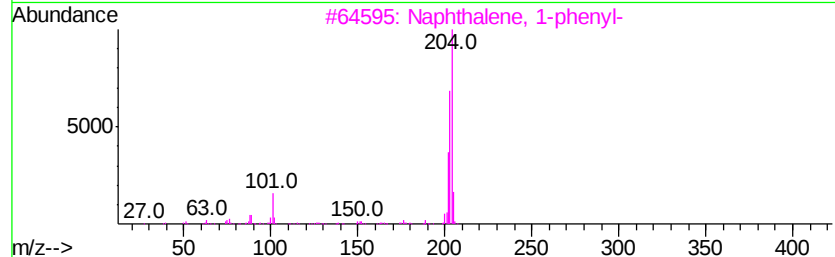
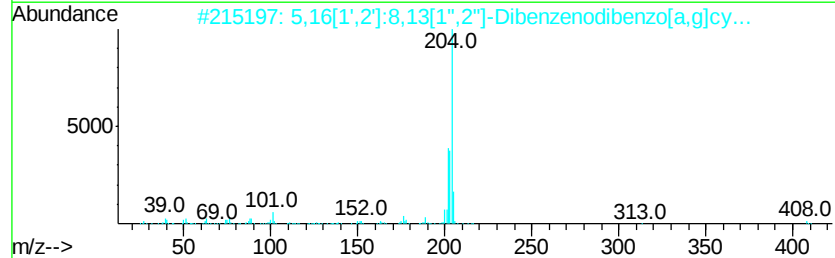
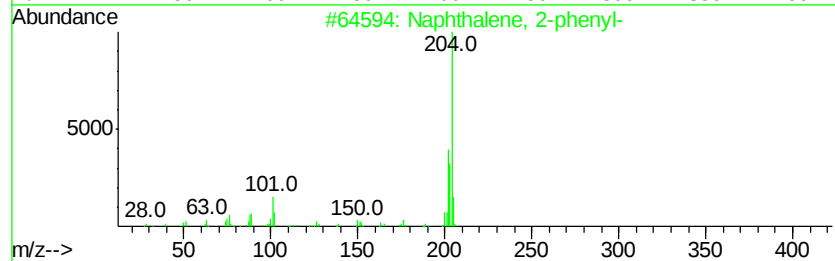
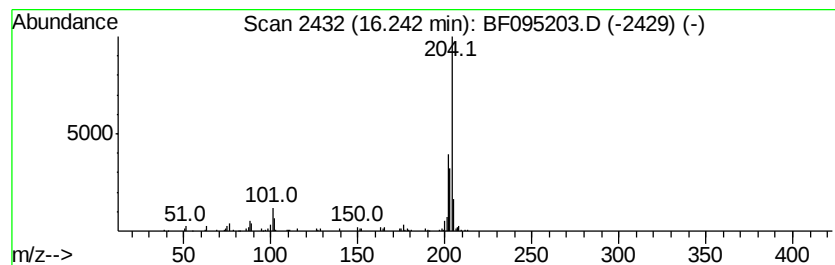
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.24	5.53 ng	176844	Phenanthrene-d10	15.02	
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	91
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051717\
Data File : BF095203.D
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Operator : SJ/MA
Sample : I3172-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

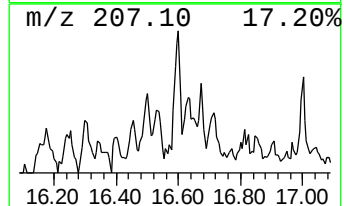
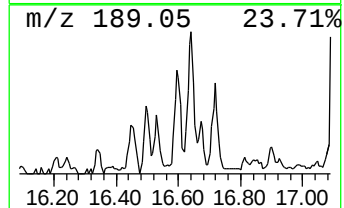
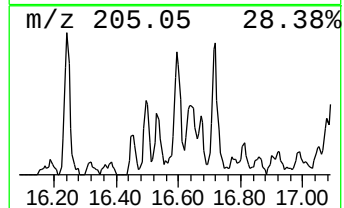
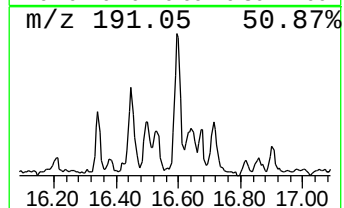
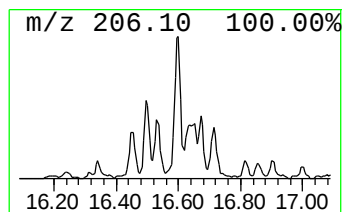
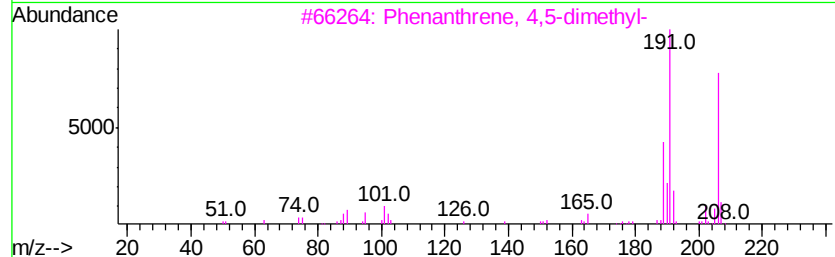
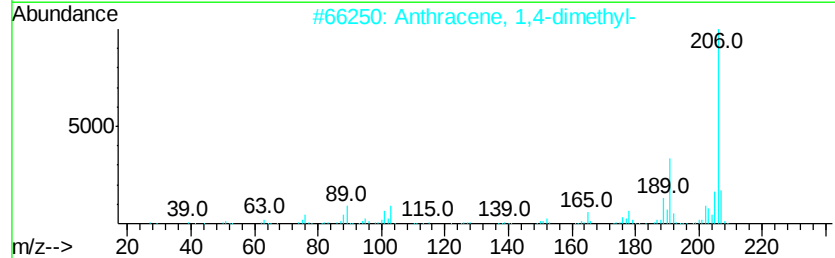
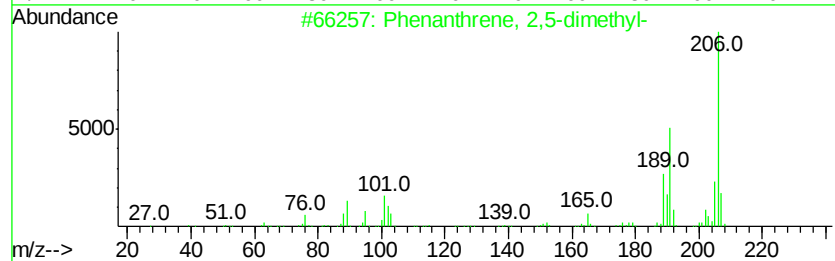
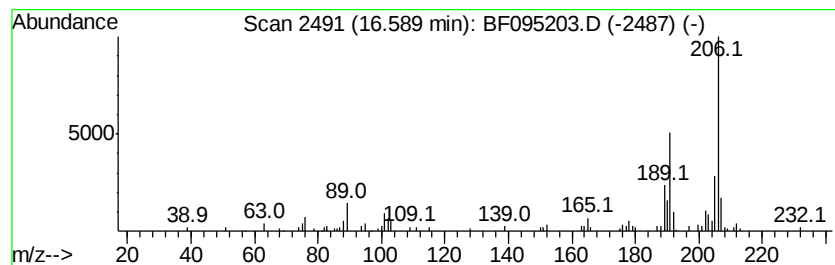
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.
16.59	5.32 ng	170122	Phenanthrene-d10		15.02
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	95
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051717\
Data File : BF095203.D
Acq On : 18 May 2017 00:57
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Sample : I3172-01
Misc :
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Instrument :
BNA_F
ClientSampleId :
SS-02

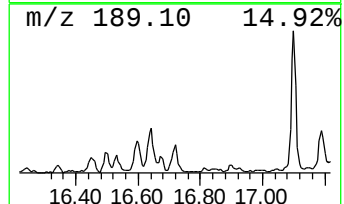
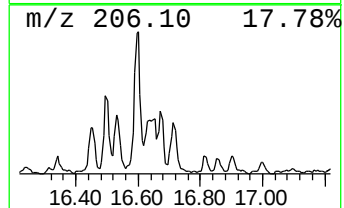
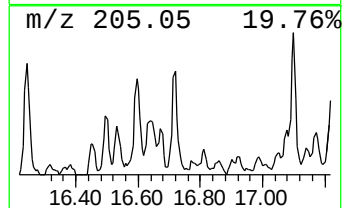
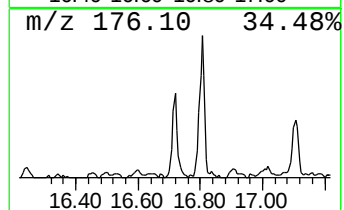
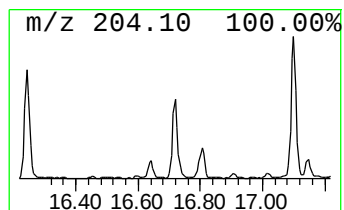
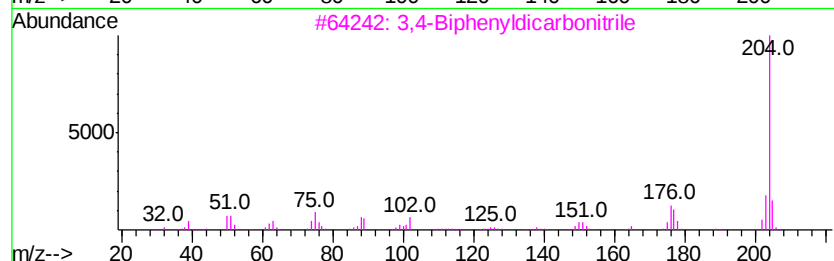
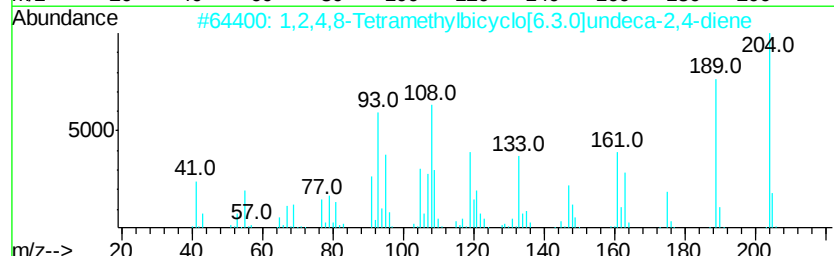
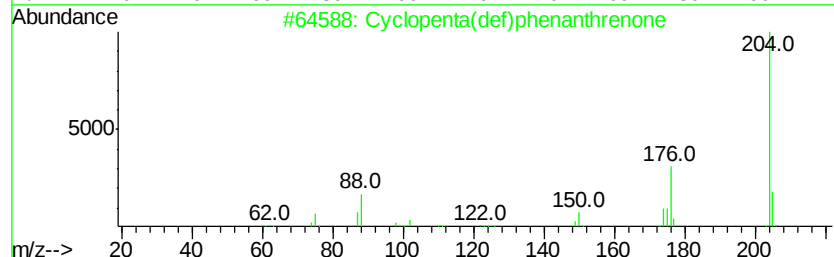
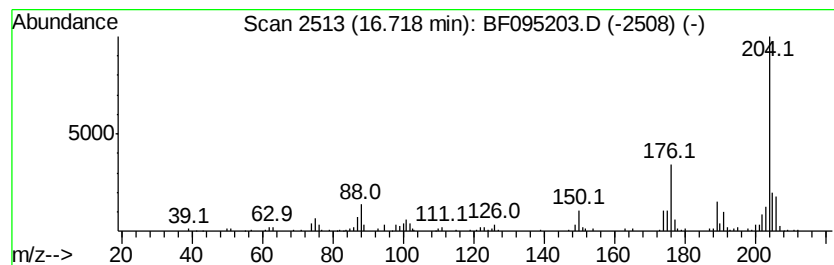
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	6.95 ng	222452	Phenanthrene-d10	15.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	60
3		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59
4		1,2,4-Triazolo[2,3-c]thieno[3,2-b]pyridine	204	C9H8N4S	113246-88-1	53
5		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051717\
Data File : BF095203.D
Acq On : 18 May 2017 00:57
Operator : SJ/MA
Sample : I3172-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

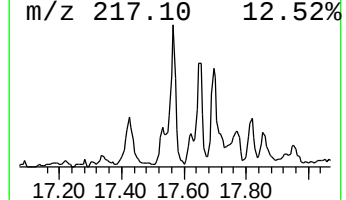
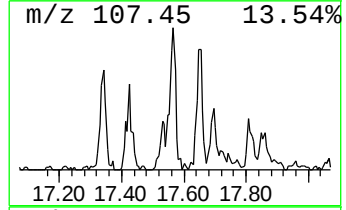
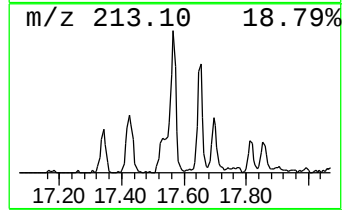
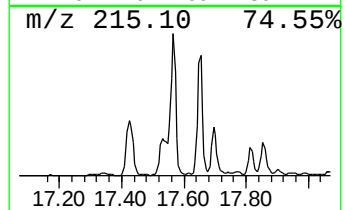
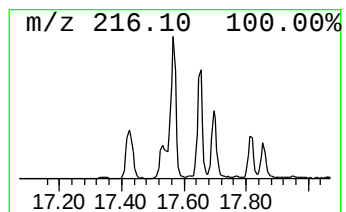
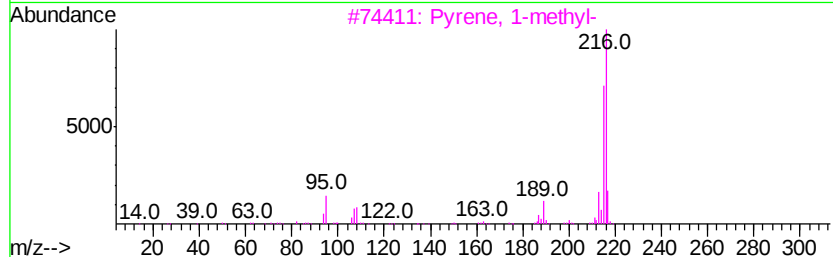
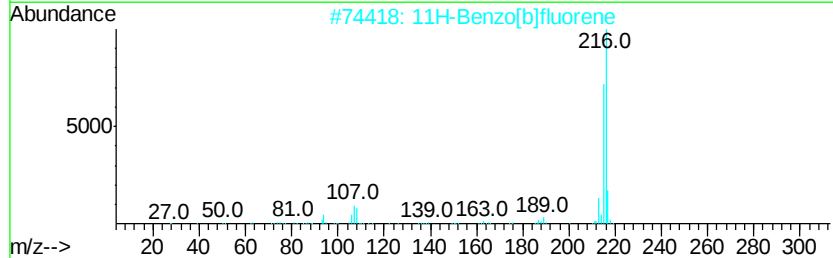
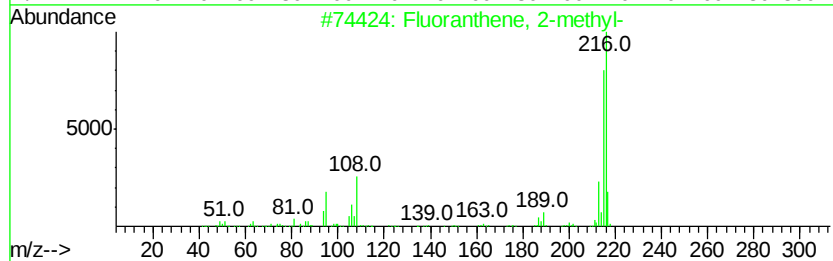
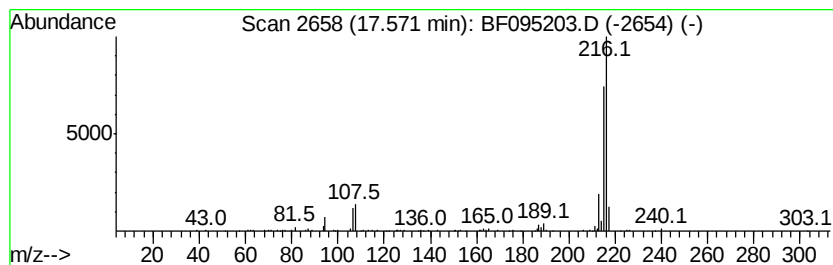
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Fluoranthene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.57	4.71 ng	459547	Chrysene-d12	18.69
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 94
2		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 94
3		Pvrene, 1-methyl-	216 C17H12	002381-21-7 91
4		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 87
5		7H-Benzo[c]fluorene	216 C17H12	000205-12-9 81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051717\
Data File : BF095203.D
Acq On : 18 May 2017 00:57
Operator : SJ/MA
Sample : I3172-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-02

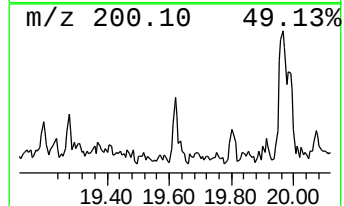
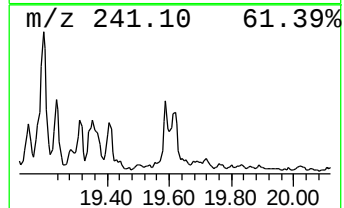
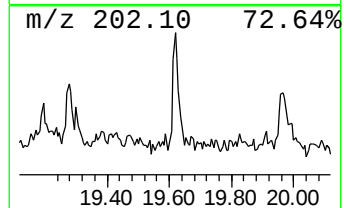
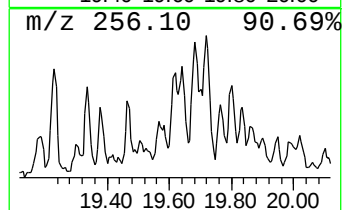
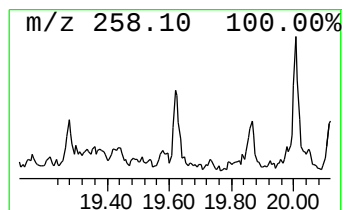
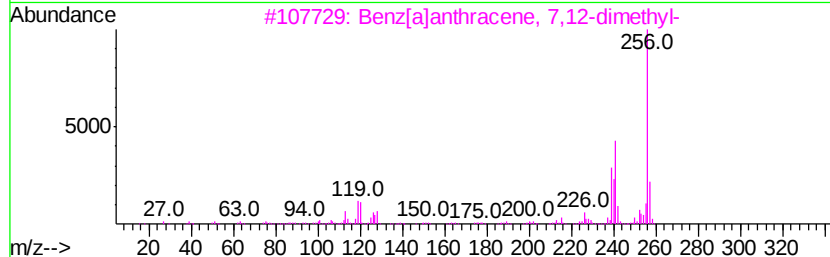
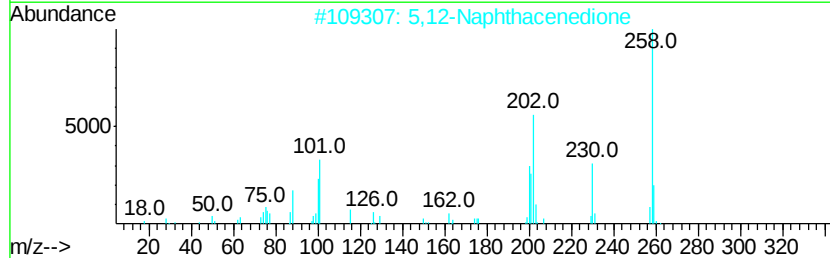
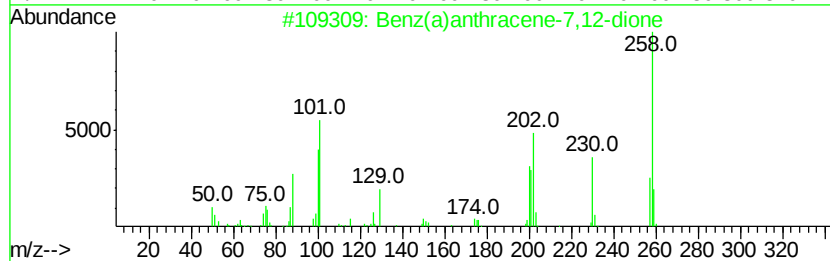
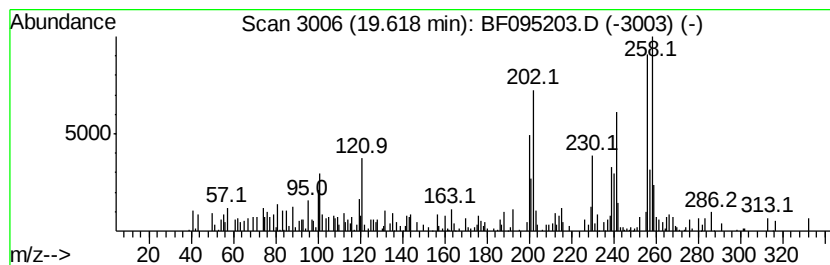
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benz(a)anthracene-7,12-dione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.62	7.75 ng	146686	Perylene-d12	20.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	78
2		5,12-Naphthacenedione	258	C18H10O2	001090-13-7	64
3		Benz[alanthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	62
4		Acethydrazide, N2-(4-bromo-2-eth...	256	C10H13BrN2O	1000272-70-7	46
5		5-Bromobenzo(b)thiophene-3-carbo...	256	C9H5BrO2S	007312-24-5	45



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051717\
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Sample : I3172-01
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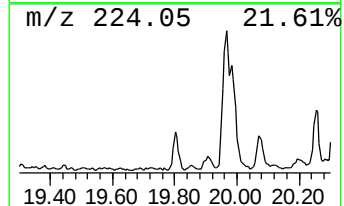
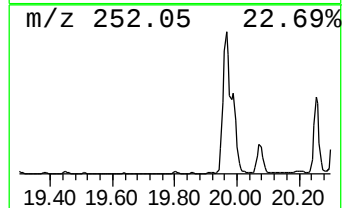
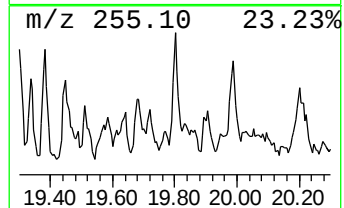
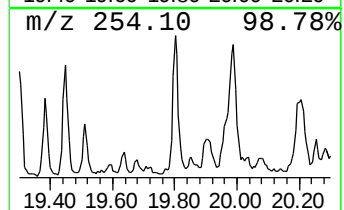
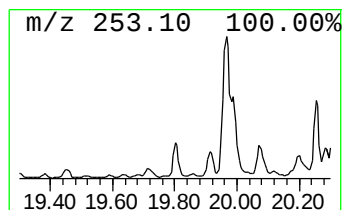
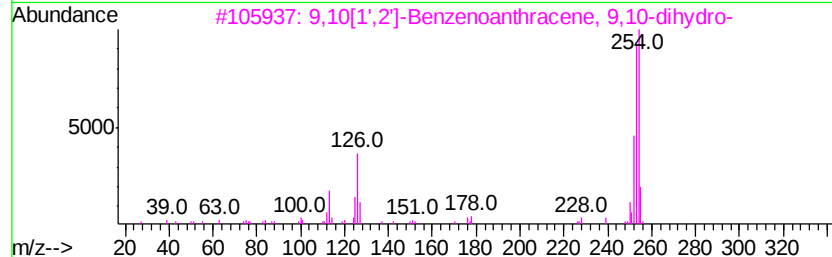
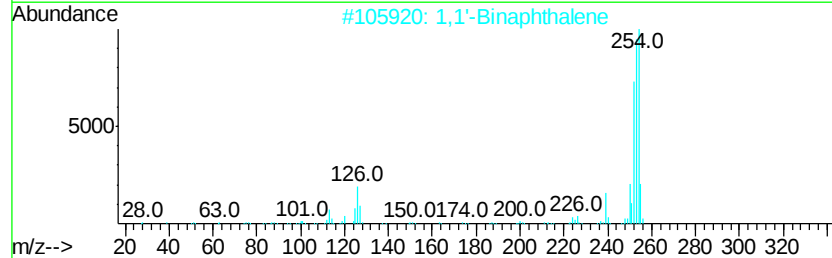
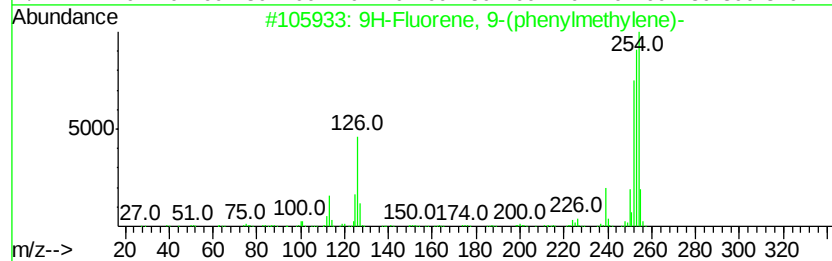
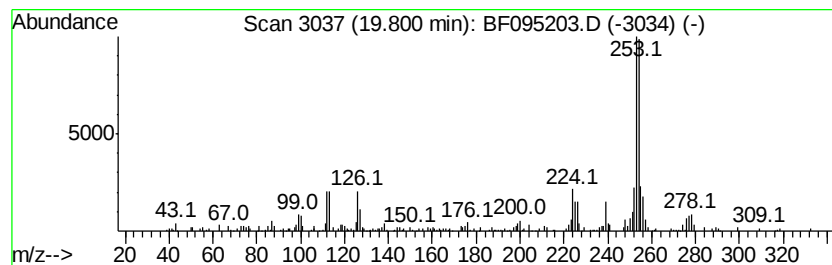
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 9H-Fluorene, 9-(phenylmethy... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	11.21 ng	212171	Perylene-d12	20.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 9-(phenylmethylenyl)-	254	C20H14	001836-87-9	70
2		1,1'-Binaphthalene	254	C20H14	000604-53-5	70
3		9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	70
4		Anthracene, 9-phenyl-	254	C20H14	000602-55-1	60
5		1,2'-Binaphthalene	254	C20H14	004325-74-0	58



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Sample : I3172-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

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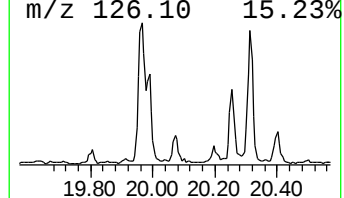
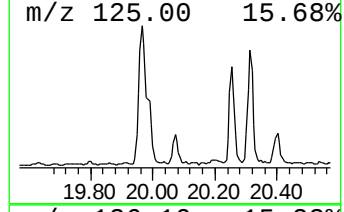
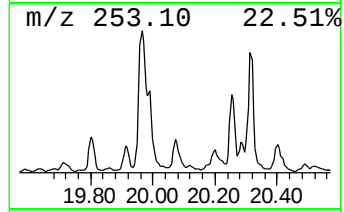
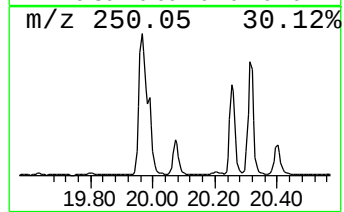
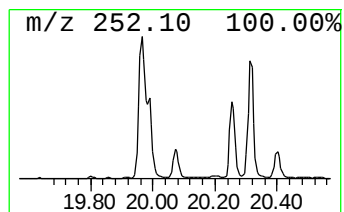
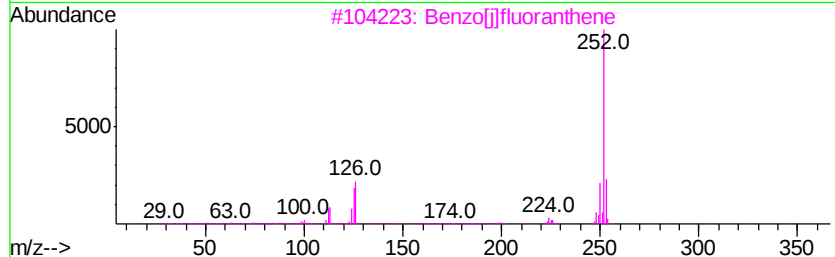
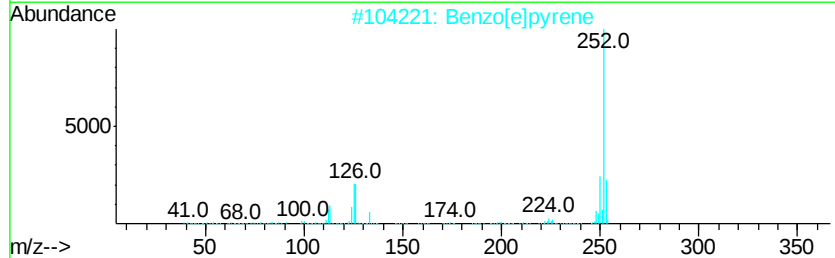
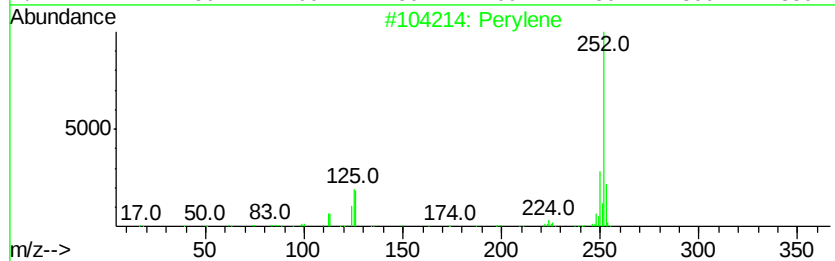
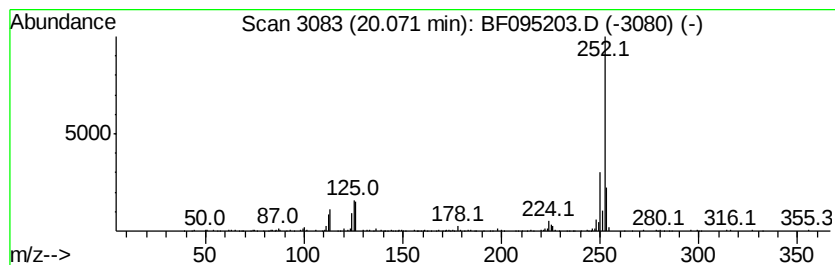
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Perylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.07	11.96 ng	226350	Perylene-d12	20.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	98
2		Benzo[e]pyrene	252	C20H12	000192-97-2	97
3		Benzo[i]fluoranthene	252	C20H12	000205-82-3	96
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	96
5		Benzo[a]pyrene	252	C20H12	000050-32-8	94



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051717\
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Misc :
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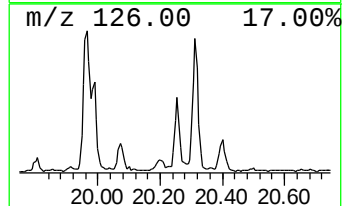
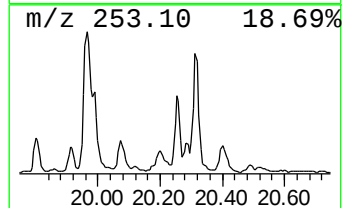
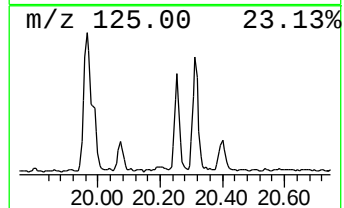
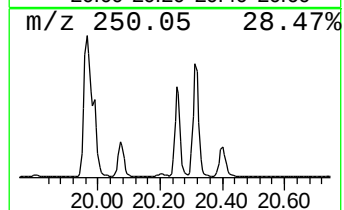
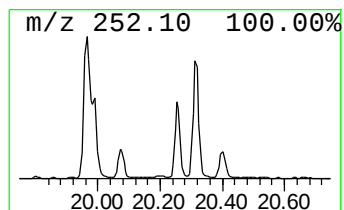
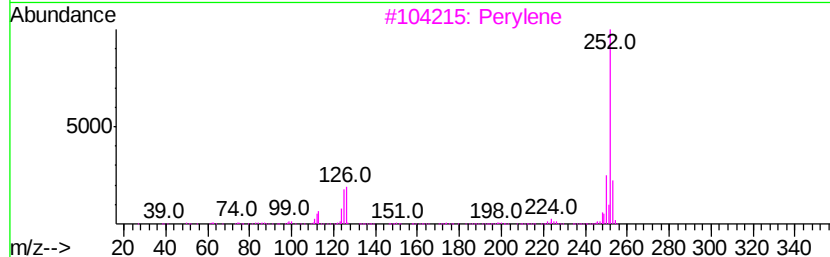
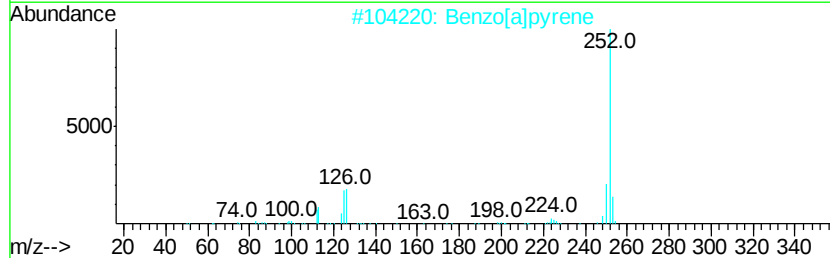
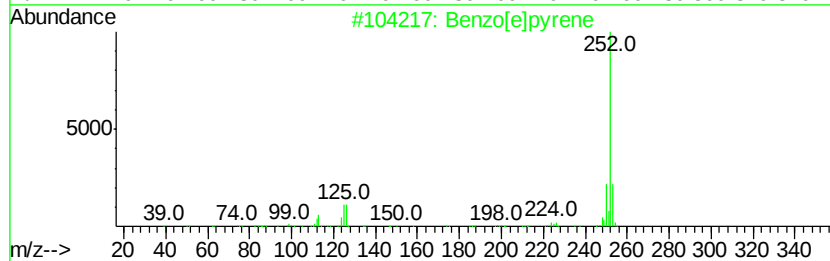
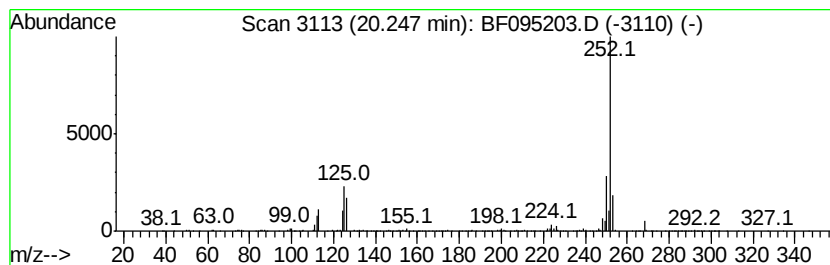
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.25	35.26 ng	667440	Perylene-d12	20.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2		Benzo[a]pyrene	252	C20H12	000050-32-8	95
3		Perylene	252	C20H12	000198-55-0	94
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	91



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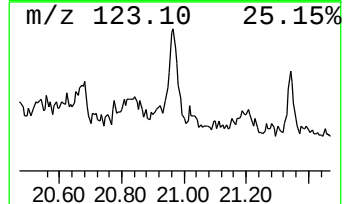
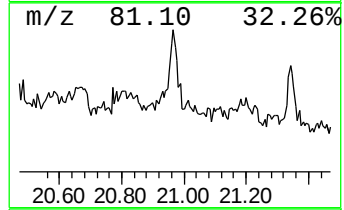
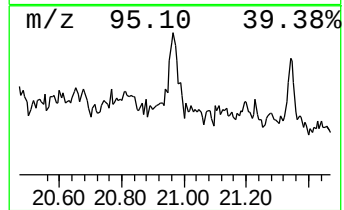
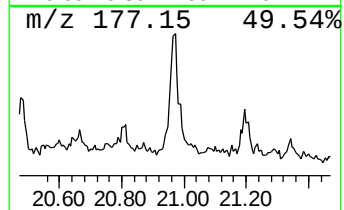
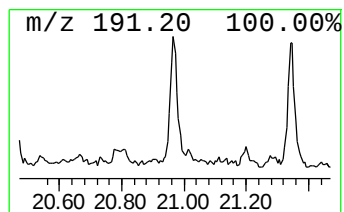
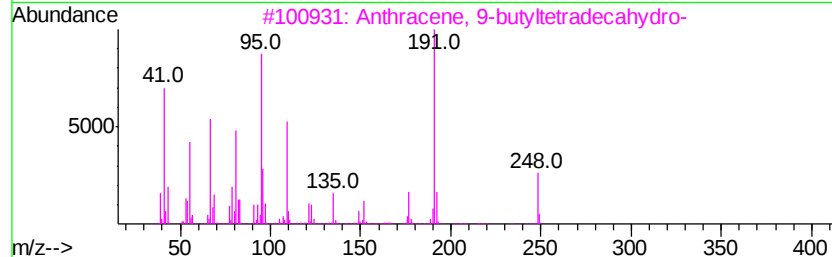
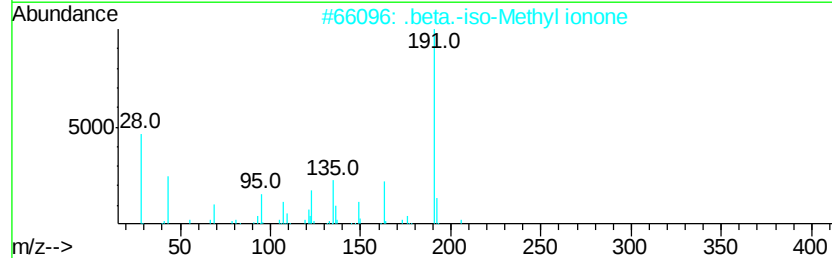
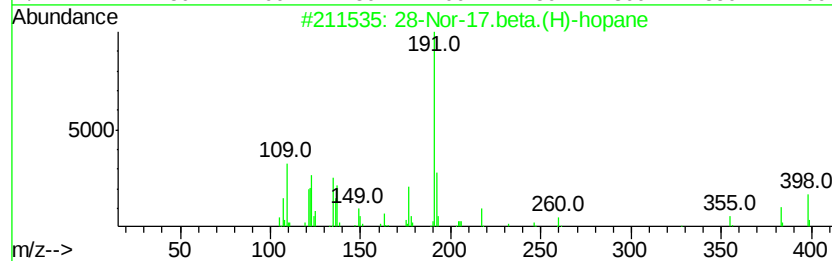
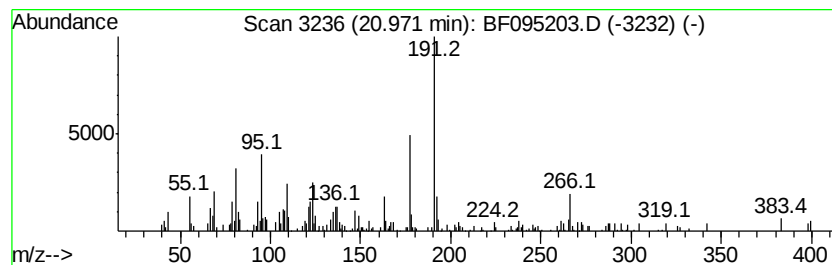
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 28-Nor-17.beta.(H)-hopane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	12.76 ng	241492	Perylene-d12	20.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	62
2		.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	42
3		Anthracene, 9-butyltetradecahydro-	248	C18H32	055133-89-6	38
4		4(1H)-Pteridinone, 2-amino-6,7-d...	191	C8H9N5O	000611-55-2	27
5		4-Fluoro-3-trifluoromethylbenzoi...	418	C23H34F4O2	1000338-69-2	27



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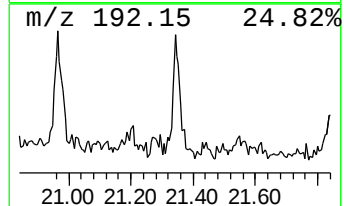
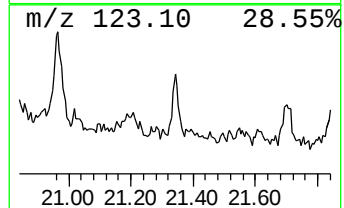
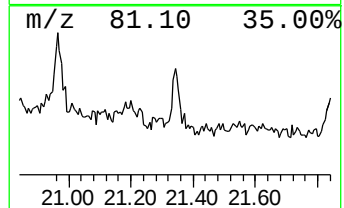
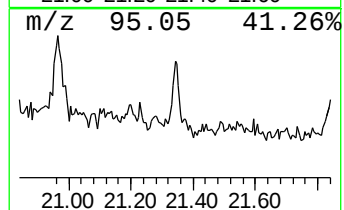
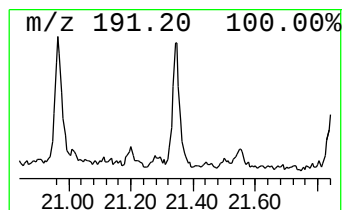
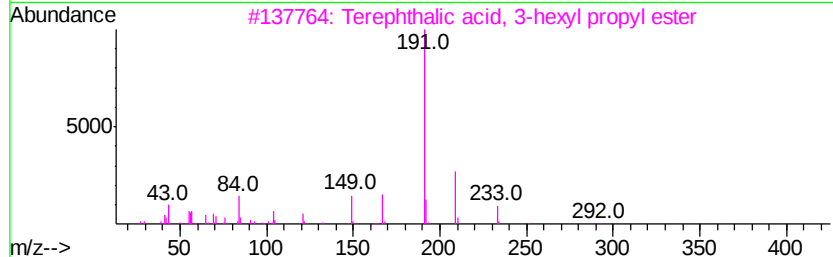
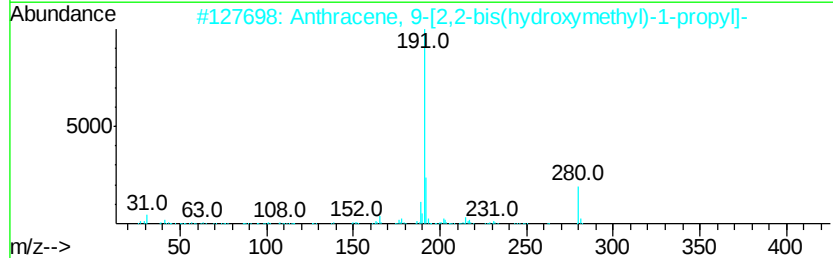
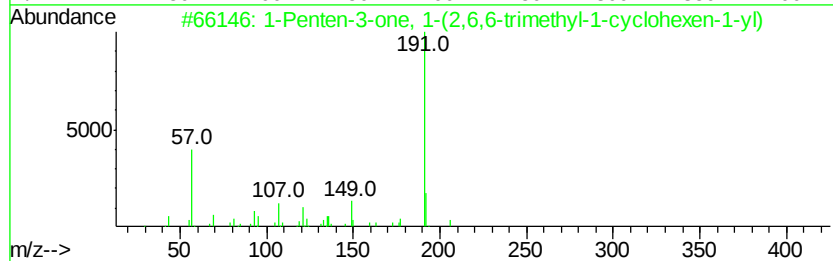
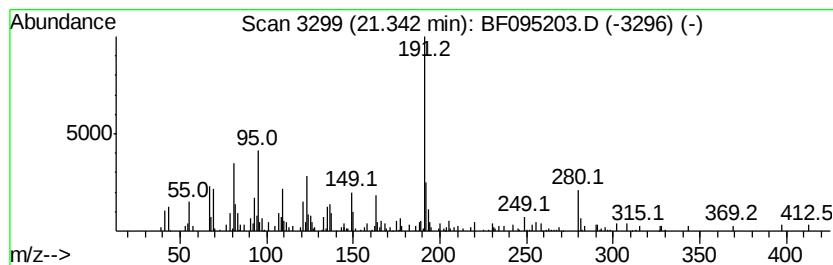
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown21.34 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.34	4.92 ng	93206	Perylene-d12	20.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	43
2		Anthracene, 9-[2,2-bis(hydroxyme...	280	C19H20O2	144000-85-1	38
3		Terephthalic acid, 3-hexyl propyl...	292	C17H24O4	1000356-22-4	35
4		4H-Benzo[def]carbazole	191	C14H9N	000203-65-6	27
5		Pyrido[3,4-d]pyrimidine-2,4(1H,3...	191	C9H9N3O2	022389-83-9	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051717\
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Sample : I3172-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

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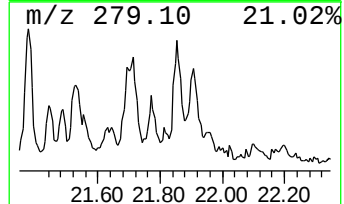
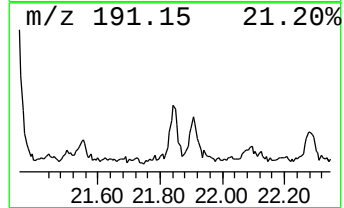
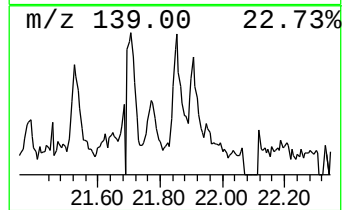
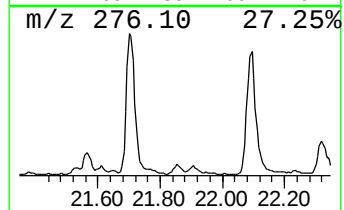
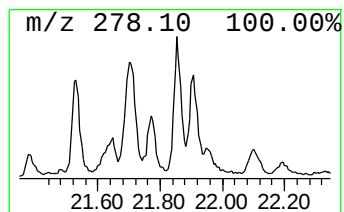
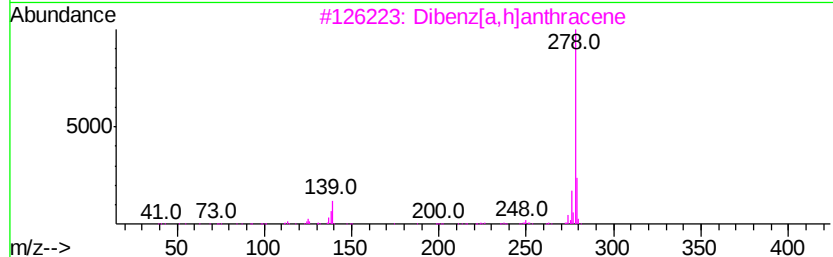
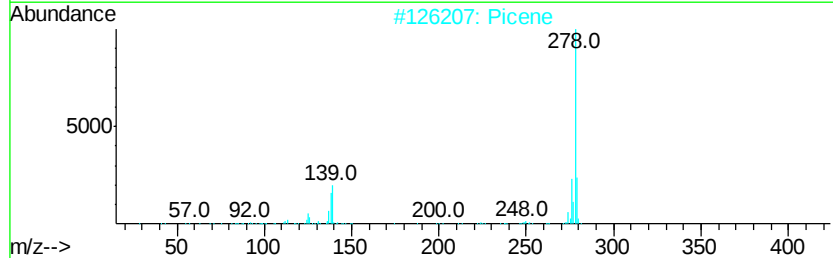
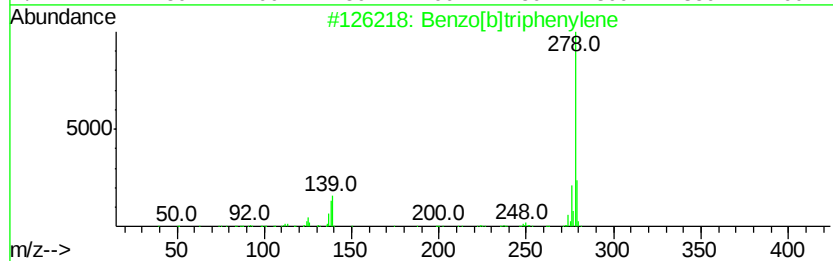
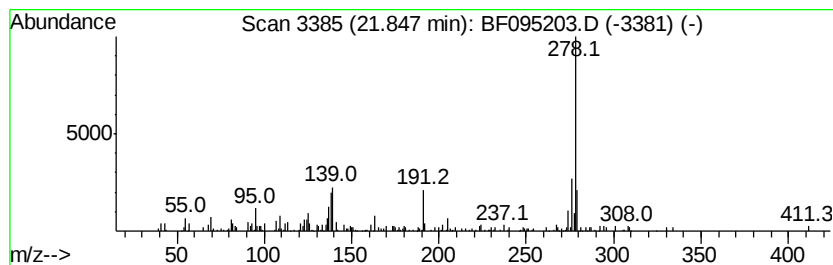
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[b]triphenylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.85	9.22 ng	174513	Perylene-d12	20.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	95
2		Picene	278	C22H14	000213-46-7	94
3		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	94
4		Pentacene	278	C22H14	000135-48-8	89
5		Benzo[a]naphthacene	278	C22H14	000226-88-0	78



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051717\
Data File : BF095203.D
Acq On : 18 May 2017 00:57
Operator : SJ/MA
Sample : I3172-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-02

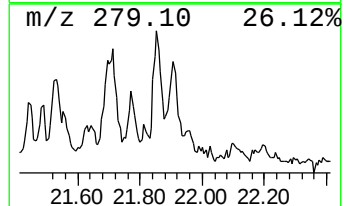
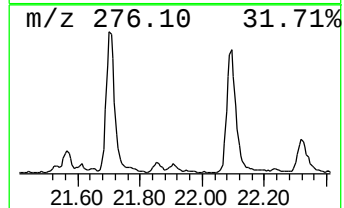
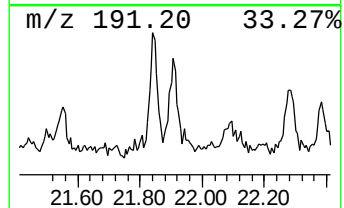
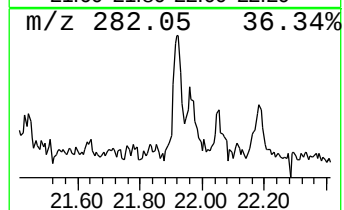
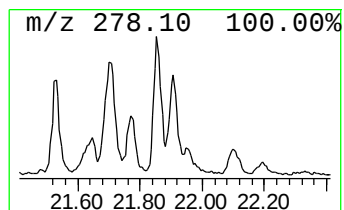
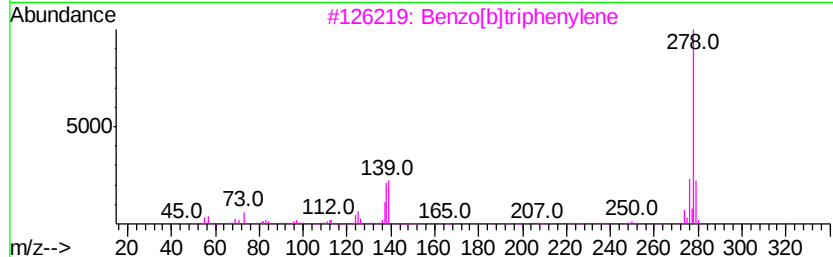
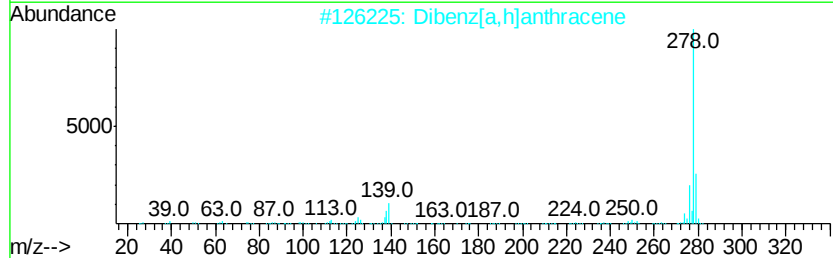
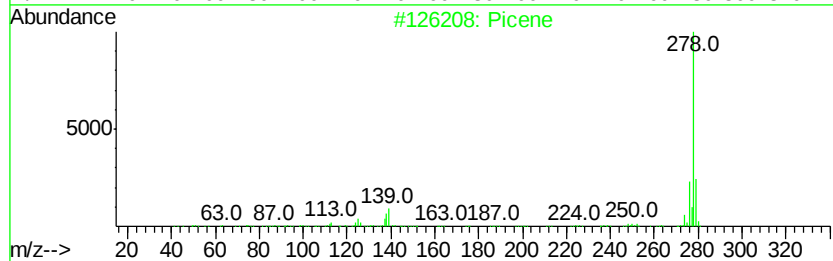
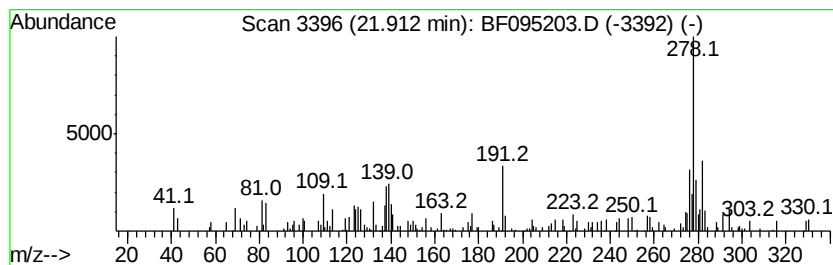
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Picene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.91	7.46 ng	141127	Perylene-d12	20.37

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Picene	278	C22H14	000213-46-7	83
2			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	83
3			Benzo[b]triphenylene	278	C22H14	000215-58-7	83
4			Benzo[a]naphthacene	278	C22H14	000226-88-0	64
5			Pentacene	278	C22H14	000135-48-8	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051717\
 Data File : BF095203.D
 Acq On : 18 May 2017 00:57
 Operator : SJ/MA
 Sample : I3172-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-02

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...	5.14	16.3	ng	413480	1	7.77	508173	20.0
unknown7.44	7.44	115.5	ng	2935750	1	7.77	508173	20.0
Phenanthrene, 2-m...	15.80	8.6	ng	275617	4	15.02	639857	20.0
Phenanthrene, 1-m...	15.84	11.3	ng	362789	4	15.02	639857	20.0
4H-Cyclopenta[def...	15.95	16.3	ng	520939	4	15.02	639857	20.0
Anthracene, 9-met...	15.99	8.8	ng	281562	4	15.02	639857	20.0
Naphthalene, 2-ph...	16.24	5.5	ng	176844	4	15.02	639857	20.0
Phenanthrene, 2,5...	16.59	5.3	ng	170122	4	15.02	639857	20.0
Cyclopenta(def)ph...	16.72	7.0	ng	222452	4	15.02	639857	20.0
Fluoranthene, 2-m...	17.57	4.7	ng	459547	5	18.69	1950980	20.0
Benz(a)anthracene...	19.62	7.8	ng	146686	6	20.37	378555	20.0
9H-Fluorene, 9-(p...	19.80	11.2	ng	212171	6	20.37	378555	20.0
Perylene	20.07	12.0	ng	226350	6	20.37	378555	20.0
Benzo[e]pyrene	20.25	35.3	ng	667440	6	20.37	378555	20.0
28-Nor-17.beta.(H...	20.97	12.8	ng	241492	6	20.37	378555	20.0
unknown21.34	21.34	4.9	ng	93206	6	20.37	378555	20.0
Benzo[b]triphenylene	21.85	9.2	ng	174513	6	20.37	378555	20.0
Picene	21.91	7.5	ng	141127	6	20.37	378555	20.0