

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060217\
 Data File : BF095650.D
 Acq On : 2 Jun 2017 23:50
 Operator : SJ/MA
 Sample : I3441-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-RO-5267-060117

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	4.775	522	525	536	rBV2	6544	16627	1.85%	0.131%
2	5.481	641	645	663	rBV	72884	233838	26.09%	1.844%
3	7.122	921	924	936	rBV	73134	220717	24.62%	1.740%
4	7.210	936	939	960	rVB	176864	409415	45.67%	3.228%
5	7.539	991	995	1009	rBV	351955	464556	51.82%	3.663%
6	7.775	1031	1035	1049	rBV	187734	275361	30.72%	2.171%
7	8.463	1149	1152	1169	rBV	60381	158608	17.69%	1.251%
8	9.569	1336	1340	1343	rBV	484715	581520	64.87%	4.585%
9	9.604	1343	1346	1361	rVB	147903	240600	26.84%	1.897%
10	10.733	1534	1538	1548	rBV	146454	195282	21.79%	1.540%
11	10.886	1557	1564	1574	rBV	118328	169366	18.89%	1.336%
12	11.345	1638	1642	1653	rBV	351279	410914	45.84%	3.240%
13	11.510	1664	1670	1675	rBV	21499	32383	3.61%	0.255%
14	11.563	1675	1679	1685	rVB2	9514	14824	1.65%	0.117%
15	11.645	1690	1693	1707	rVB	14732	28886	3.22%	0.228%
16	11.751	1707	1711	1713	rBV3	39804	50494	5.63%	0.398%
17	11.868	1725	1731	1736	rBV	78558	121792	13.59%	0.960%
18	11.915	1736	1739	1750	rVB	45152	66190	7.38%	0.522%
19	12.051	1757	1762	1771	rVB2	38986	100183	11.18%	0.790%
20	12.180	1779	1784	1793	rBV2	36180	62388	6.96%	0.492%
21	12.398	1816	1821	1826	rBV2	467411	617703	68.91%	4.871%
22	12.451	1826	1830	1837	rVB	124611	172164	19.21%	1.358%
23	12.610	1852	1857	1862	rVB3	14461	24266	2.71%	0.191%
24	12.668	1862	1867	1870	rVB3	10083	14092	1.57%	0.111%
25	12.745	1873	1880	1888	rBV2	79222	136740	15.25%	1.078%
26	12.833	1890	1895	1899	rVV2	22399	27901	3.11%	0.220%
27	12.945	1909	1914	1918	rVV2	30760	39259	4.38%	0.310%
28	12.998	1919	1923	1928	rVB2	17847	22542	2.51%	0.178%
29	13.092	1933	1939	1941	rBV2	14291	22794	2.54%	0.180%
30	13.245	1957	1965	1968	rBV5	26482	44149	4.93%	0.348%
31	13.292	1968	1973	1983	rVB2	216724	270368	30.16%	2.132%
32	13.380	1983	1988	1990	rBV4	12527	17886	2.00%	0.141%
33	13.433	1994	1997	2001	rVB3	18747	20950	2.34%	0.165%
34	13.504	2007	2009	2017	rVB5	10008	15857	1.77%	0.125%

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35	13.568	2017	2020	2023	rBV2	25736	34772	3.88%	0.274%
36	13.662	2029	2036	2039	rBV5	9188	18632	2.08%	0.147%
37	13.704	2039	2043	2051	rVV2	105855	170323	19.00%	1.343%
38	14.009	2091	2095	2097	rBV3	15423	19426	2.17%	0.153%
39	14.039	2097	2100	2104	rVB3	16199	20061	2.24%	0.158%
40	14.198	2120	2127	2131	rBV	34874	68188	7.61%	0.538%
41	14.239	2131	2134	2140	rVV	28641	39928	4.45%	0.315%
42	14.321	2143	2148	2153	rVB2	19282	29840	3.33%	0.235%
43	14.421	2162	2165	2169	rBV4	11348	15793	1.76%	0.125%
44	14.633	2197	2201	2206	rVB	63818	76171	8.50%	0.601%
45	14.745	2216	2220	2224	rBV3	12144	14693	1.64%	0.116%
46	14.798	2224	2229	2232	rBV	410421	485335	54.14%	3.827%
47	14.839	2232	2236	2243	rVV	703607	896396	100.00%	7.068%
48	14.927	2246	2251	2259	rVB	136686	185401	20.68%	1.462%
49	15.021	2262	2267	2270	rBV3	19952	30242	3.37%	0.238%
50	15.227	2298	2302	2309	rBV	40637	59960	6.69%	0.473%
51	15.333	2316	2320	2326	rVB	43952	56132	6.26%	0.443%
52	15.415	2331	2334	2338	rVB3	13835	15186	1.69%	0.120%
53	15.456	2338	2341	2348	rBV3	23418	41550	4.64%	0.328%
54	15.592	2355	2364	2368	rBV	143608	168194	18.76%	1.326%
55	15.633	2368	2371	2376	rVB	128497	144987	16.17%	1.143%
56	15.709	2381	2384	2386	rVV	40606	43435	4.85%	0.342%
57	15.745	2386	2390	2394	rVV2	162027	229249	25.57%	1.808%
58	15.786	2394	2397	2403	rVV	91365	120320	13.42%	0.949%
59	15.945	2420	2424	2431	rBV2	19734	28088	3.13%	0.221%
60	16.039	2431	2440	2445	rBV3	63313	105560	11.78%	0.832%
61	16.209	2466	2469	2472	rVB3	13478	14721	1.64%	0.116%
62	16.250	2472	2476	2480	rBV2	16982	21726	2.42%	0.171%
63	16.298	2480	2484	2488	rVV	29916	36117	4.03%	0.285%
64	16.333	2488	2490	2493	rVB	16929	17313	1.93%	0.137%
65	16.398	2497	2501	2504	rBV	86956	110093	12.28%	0.868%
66	16.439	2504	2508	2512	rVV3	49753	71822	8.01%	0.566%
67	16.474	2512	2514	2518	rVB2	25365	22587	2.52%	0.178%
68	16.521	2518	2522	2527	rBV4	43170	70115	7.82%	0.553%
69	16.568	2527	2530	2532	rBV2	23211	24903	2.78%	0.196%
70	16.603	2532	2536	2541	rVV	418552	492442	54.94%	3.883%
71	16.645	2541	2543	2547	rVB3	16384	17356	1.94%	0.137%

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72	16.698	2547	2552	2556	rBV5	27431	38935	4.34%	0.307%
73	16.798	2566	2569	2573	rBV2	23675	26177	2.92%	0.206%
74	16.903	2582	2587	2592	rBV	496819	544871	60.78%	4.296%
75	17.021	2605	2607	2612	rVB	21657	25127	2.80%	0.198%
76	17.098	2617	2620	2624	rVB	21189	18532	2.07%	0.146%
77	17.145	2624	2628	2635	rVB	296264	329408	36.75%	2.597%
78	17.227	2636	2642	2649	rBV4	40287	82619	9.22%	0.651%
79	17.345	2657	2662	2664	rBV4	33192	59580	6.65%	0.470%
80	17.374	2664	2667	2671	rVB2	88121	104639	11.67%	0.825%
81	17.456	2678	2681	2686	rVB	80957	92288	10.30%	0.728%
82	17.503	2686	2689	2694	rBV2	64785	98954	11.04%	0.780%
83	17.621	2706	2709	2712	rVB	38404	38655	4.31%	0.305%
84	17.662	2712	2716	2721	rBV2	35829	43432	4.85%	0.342%
85	17.868	2748	2751	2754	rBV5	18049	24712	2.76%	0.195%
86	18.015	2773	2776	2778	rBV3	21160	29611	3.30%	0.233%
87	18.174	2799	2803	2806	rBV2	41093	58333	6.51%	0.460%
88	18.203	2806	2808	2812	rVB2	30188	33023	3.68%	0.260%
89	18.239	2812	2814	2817	rBV	16395	18184	2.03%	0.143%
90	18.280	2819	2821	2824	rVB3	16653	16708	1.86%	0.132%
91	18.350	2831	2833	2836	rVB2	20418	17042	1.90%	0.134%
92	18.403	2839	2842	2845	rVB3	26272	33965	3.79%	0.268%
93	18.497	2853	2858	2861	rBV2	512762	695394	77.58%	5.483%
94	18.533	2861	2864	2871	rVB2	131464	202595	22.60%	1.598%
95	18.627	2877	2880	2885	rVB4	34860	49290	5.50%	0.389%
96	19.009	2942	2945	2949	rBV2	44508	44290	4.94%	0.349%
97	19.774	3072	3075	3087	rVB	96314	187536	20.92%	1.479%
98	20.062	3122	3124	3128	rBV	50063	53687	5.99%	0.423%
99	20.121	3132	3134	3139	rVV	79792	80707	9.00%	0.636%
100	20.174	3140	3143	3148	rVV	283644	315816	35.23%	2.490%

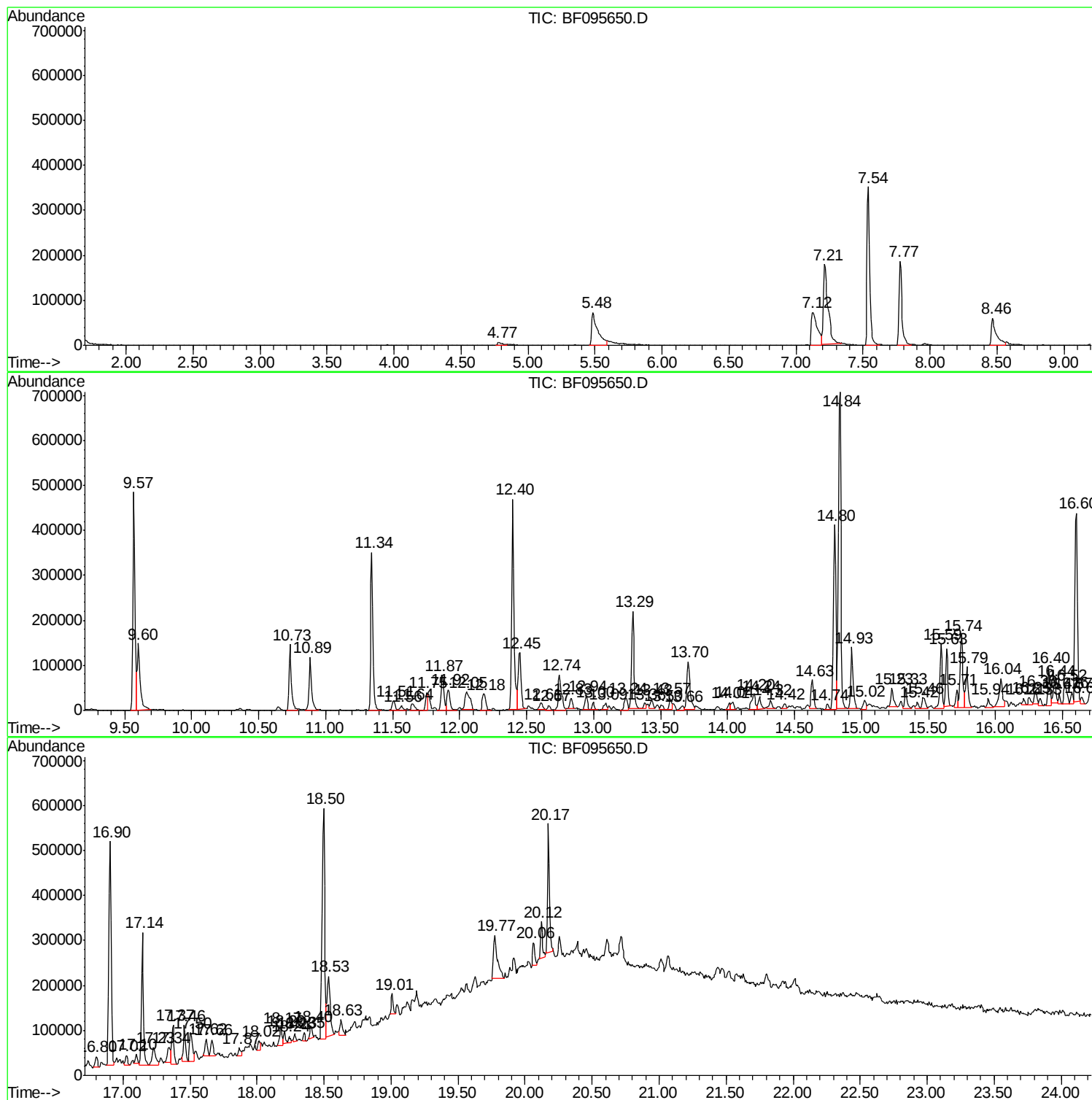
Sum of corrected areas: 12681782

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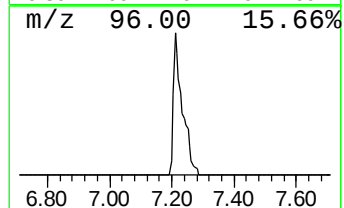
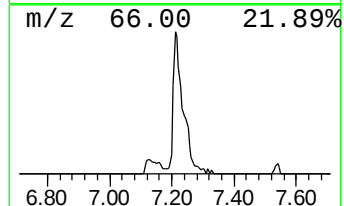
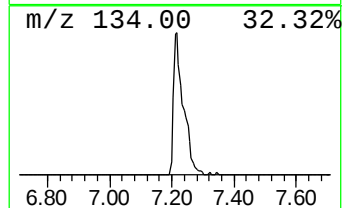
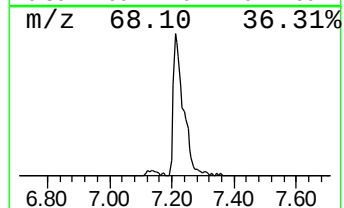
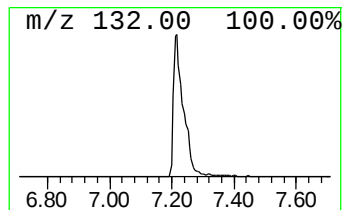
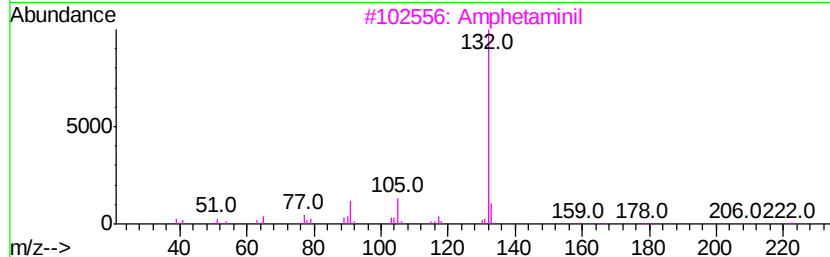
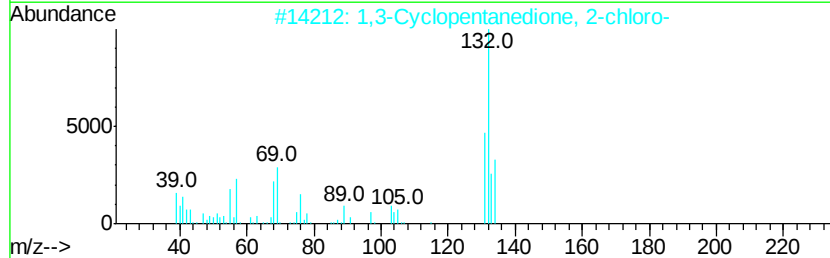
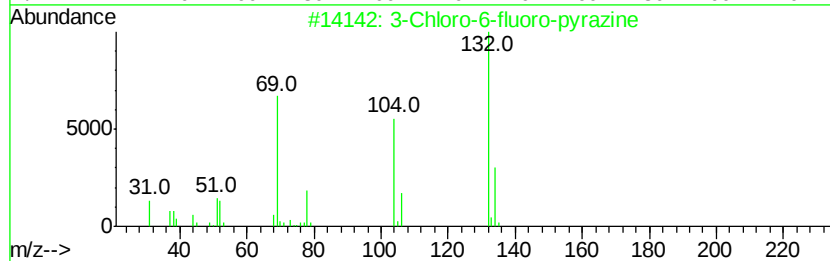
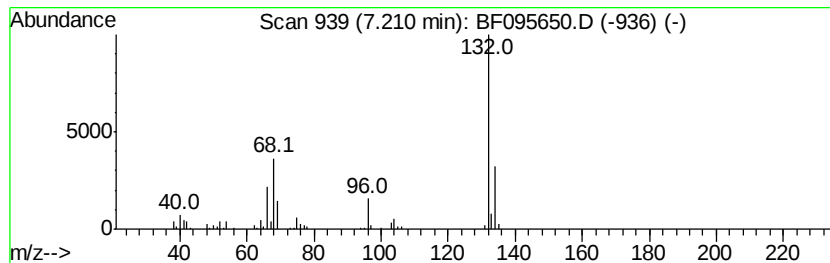
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown7.21 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.21	17.63 ng	409415	1,4-Dichlorobenzene-d4	7.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	23
3		Amphetaminil	250	C17H18N2	017590-01-1	10
4		5-Aminoindole	132	C8H8N2	005192-03-0	10
5		Xenon	132	Xe	007440-63-3	9



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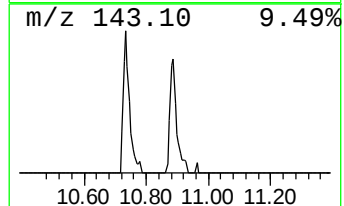
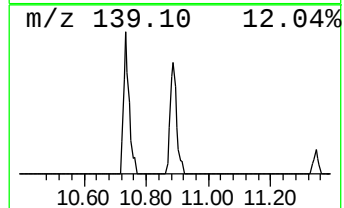
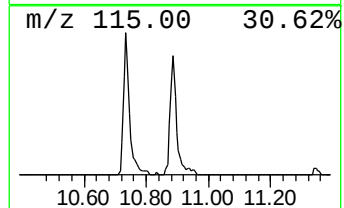
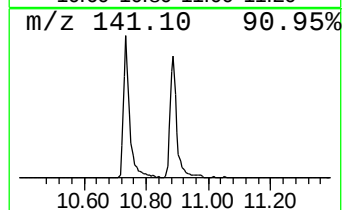
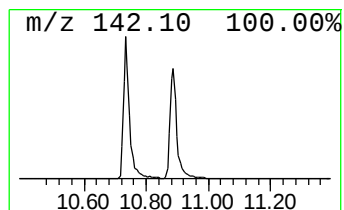
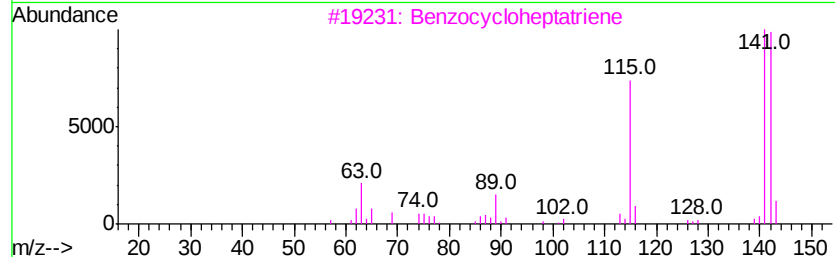
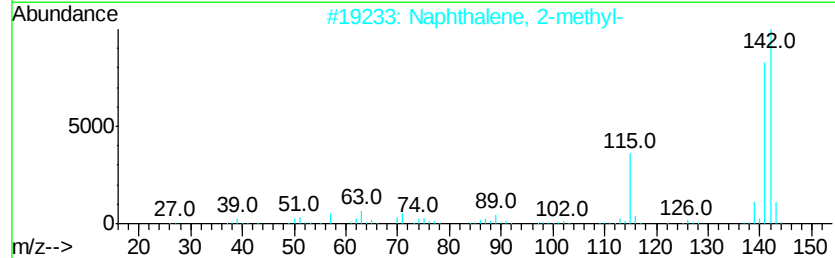
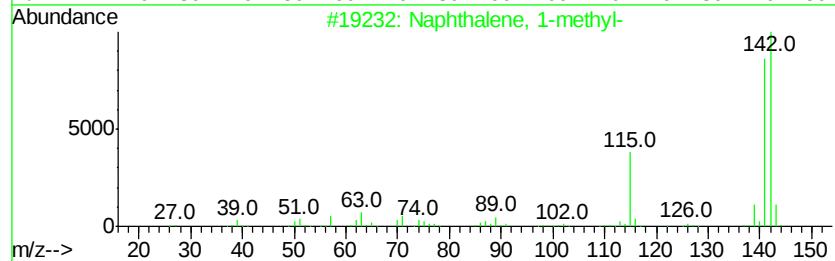
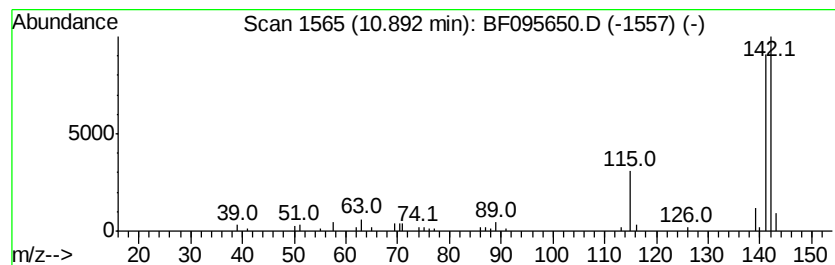
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.89	5.82 ng	169366	Naphthalene-d8	9.57	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	86



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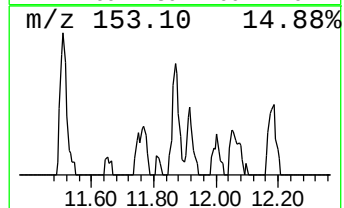
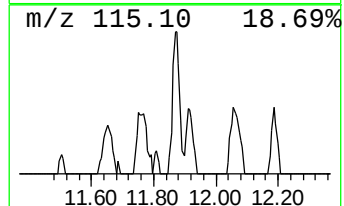
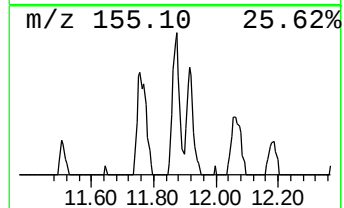
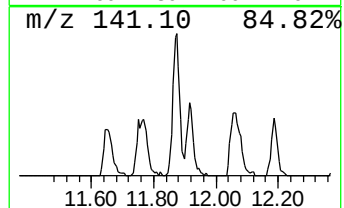
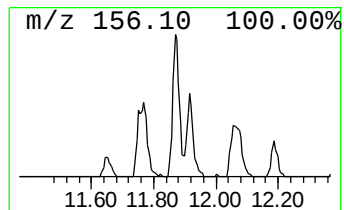
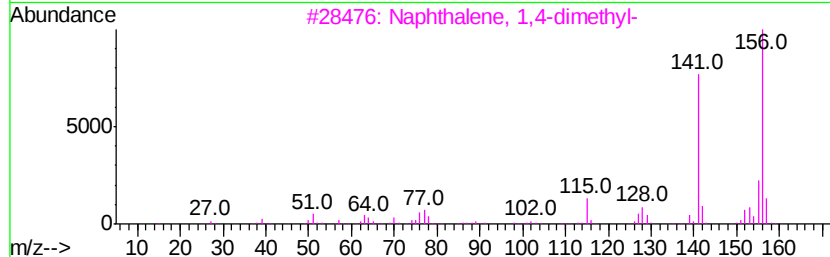
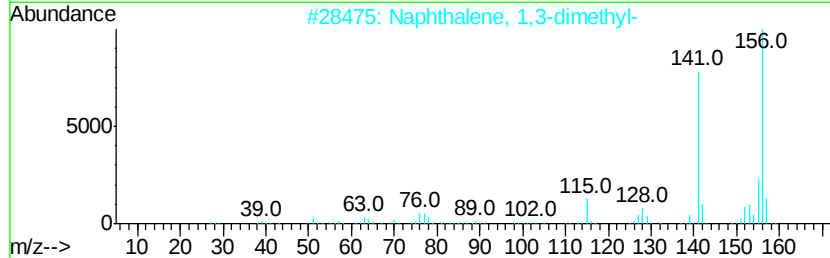
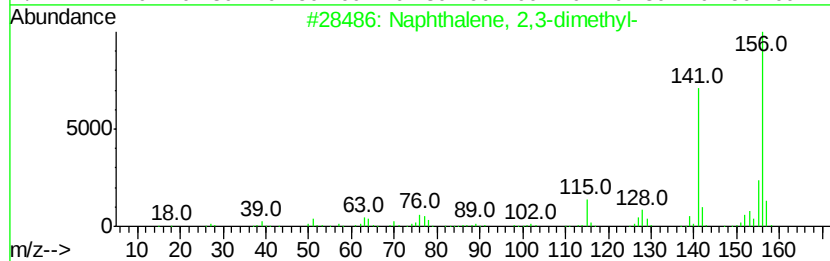
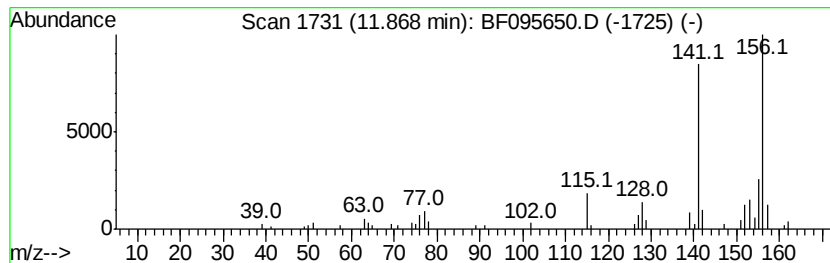
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Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	3.94 ng	121792	Acenaphthene-d10	12.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
2		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060217\
Data File : BF095650.D
Acq On : 2 Jun 2017 23:50
Operator : SJ/MA
Sample : I3441-01 5X
Misc :
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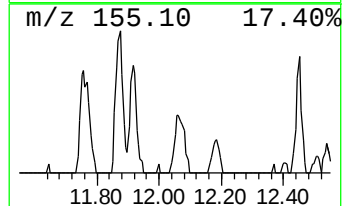
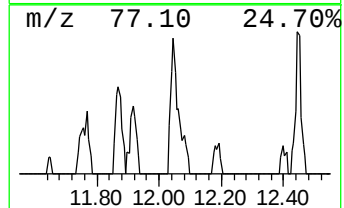
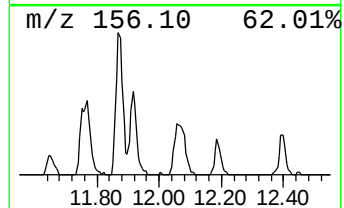
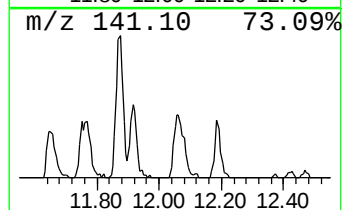
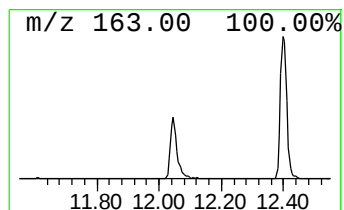
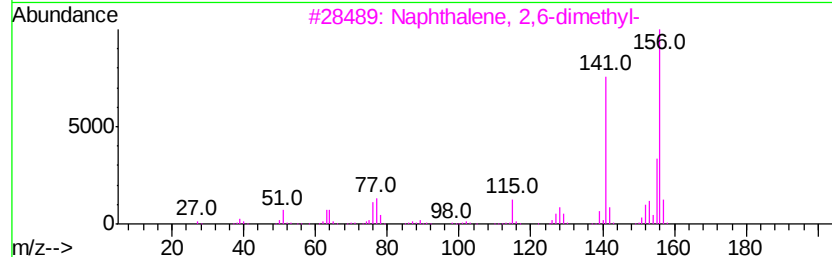
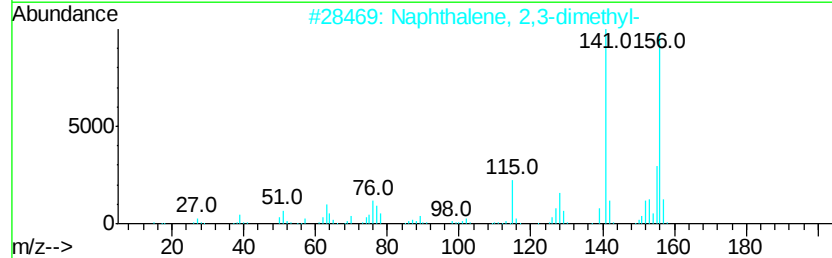
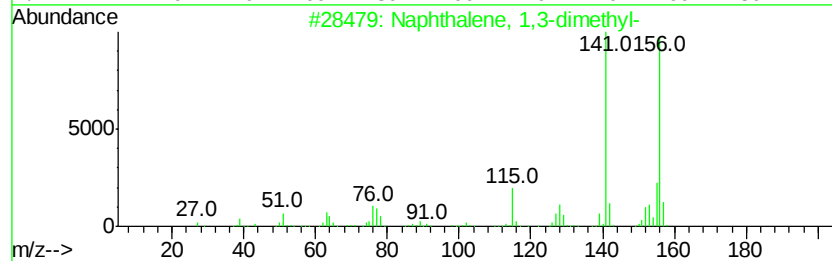
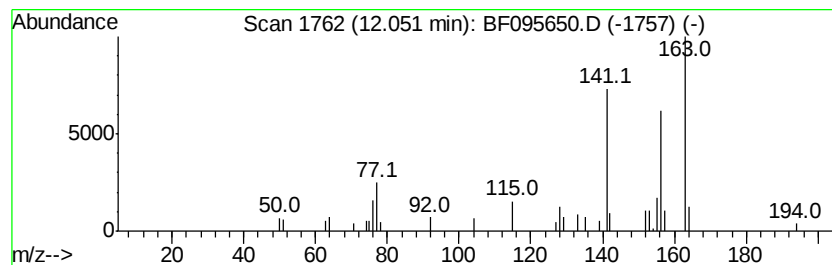
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ClientSampleId :
OR-RO-5267-060117

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 Naphthalene, 1,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	3.24 ng	100183	Acenaphthene-d10	12.40
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 64
2		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 64
3		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 64
4		Naphthalene, 1,5-dimethyl-	156 C12H12	000571-61-9 64
5		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF060217\
Data File : BF095650.D
Acq On : 2 Jun 2017 23:50
Operator : SJ/MA
Sample : I3441-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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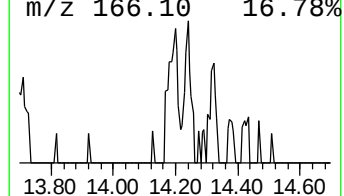
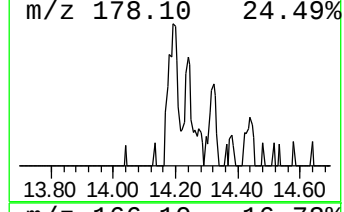
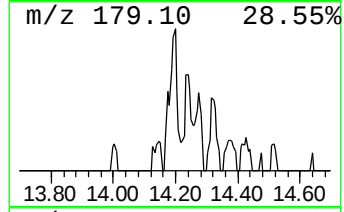
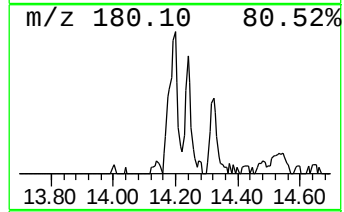
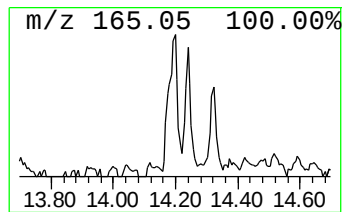
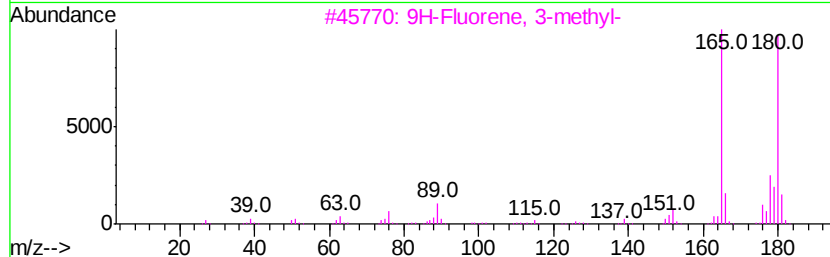
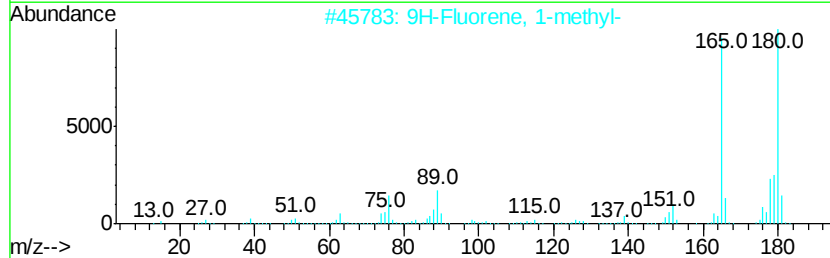
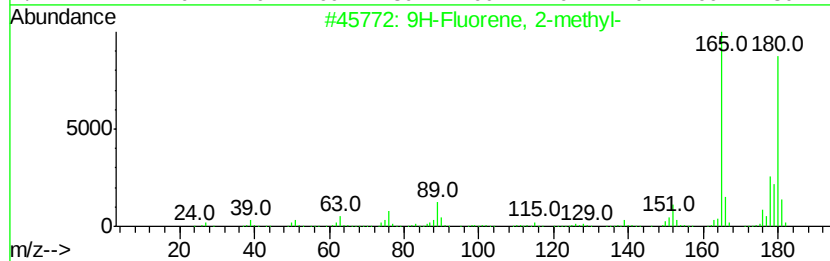
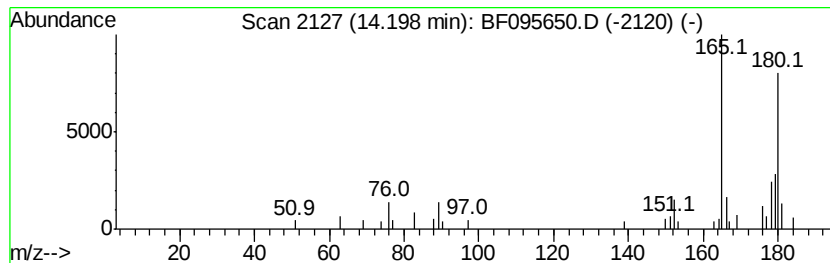
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	2.81 ng	68188	Phenanthrene-d10	14.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
3		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81
5		4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060217\
Data File : BF095650.D
Acq On : 2 Jun 2017 23:50
Operator : SJ/MA
Sample : I3441-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-RO-5267-060117

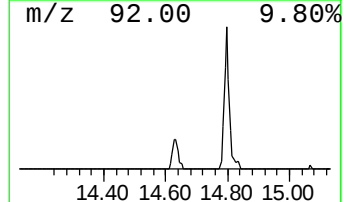
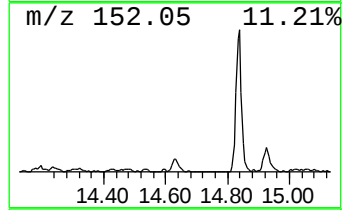
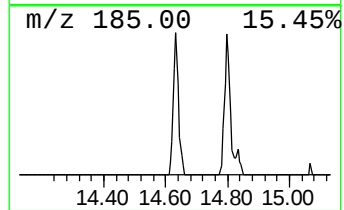
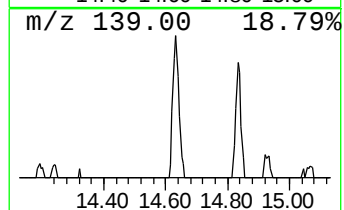
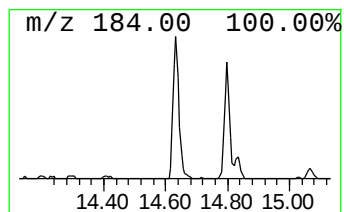
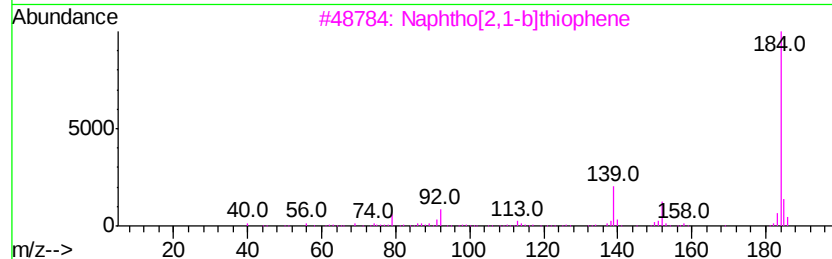
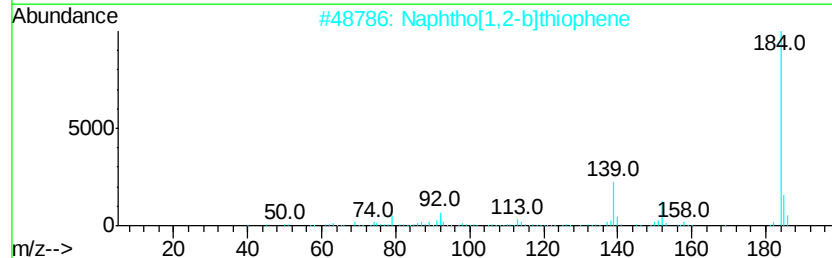
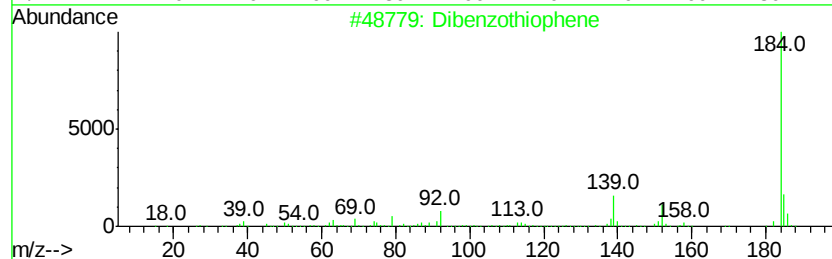
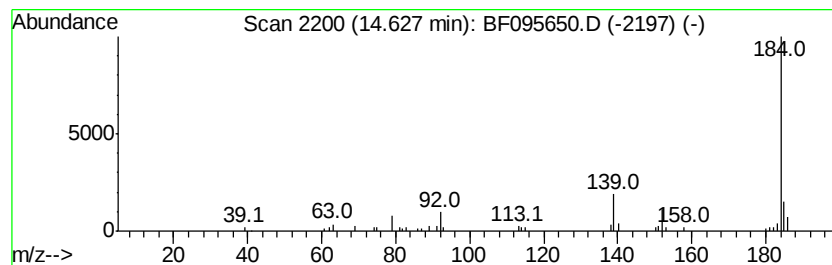
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.63	3.14 ng	76171	Phenanthrene-d10	14.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	97
2		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	96
3		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF060217\
Data File : BF095650.D
Acq On : 2 Jun 2017 23:50
Operator : SJ/MA
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ClientSampleId :
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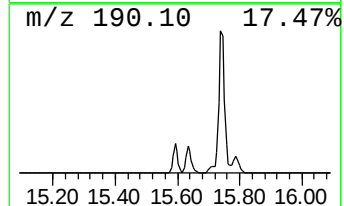
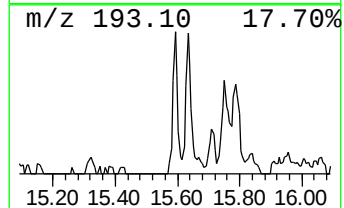
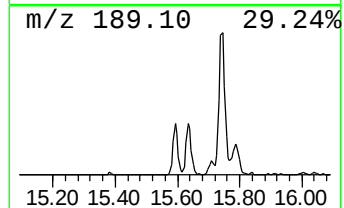
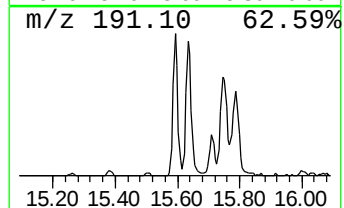
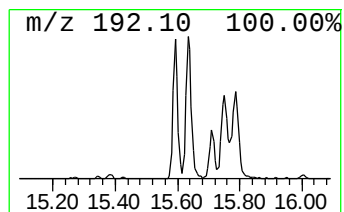
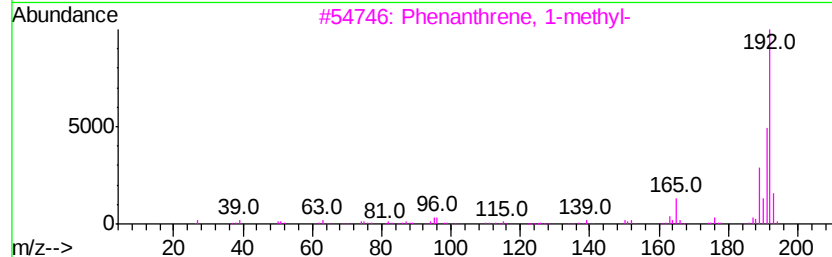
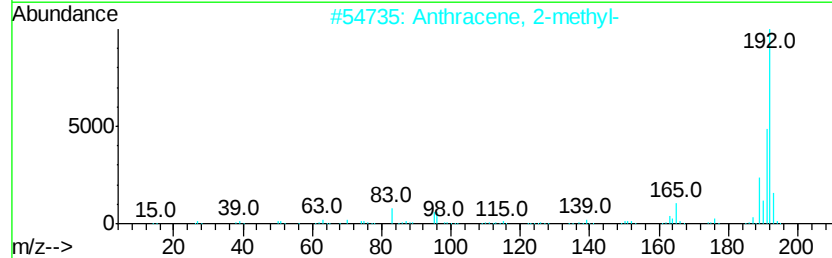
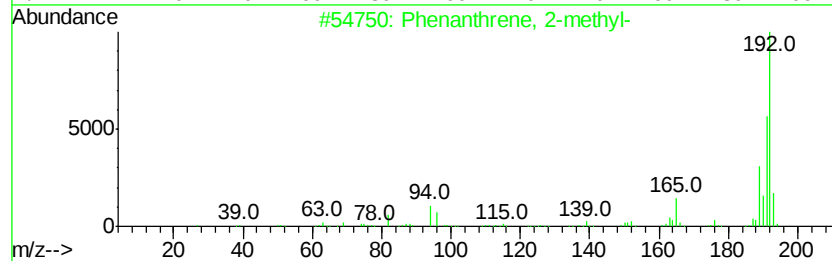
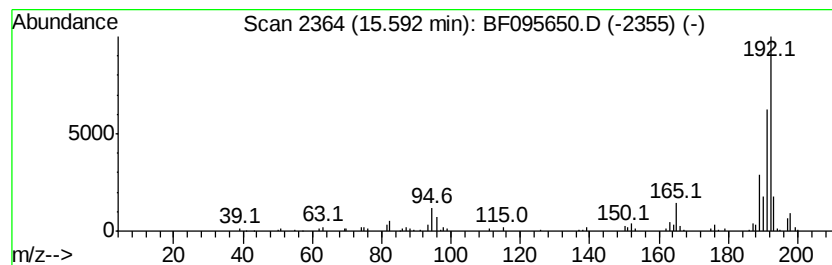
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.59	6.93 ng	168194	Phenanthrene-d10	14.80

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4		1H-Cyclopropa[1,1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	94
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060217\
Data File : BF095650.D
Acq On : 2 Jun 2017 23:50
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Misc :
ALS Vial : 20 Sample Multiplier: 1

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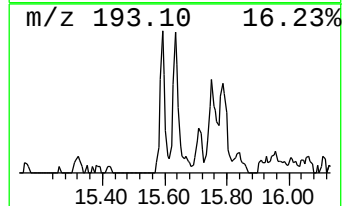
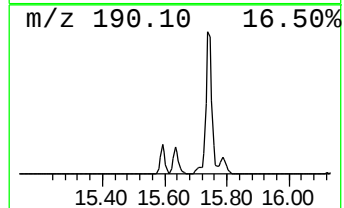
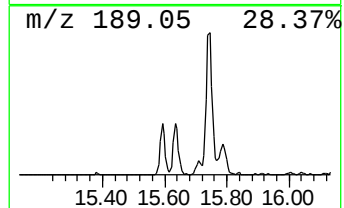
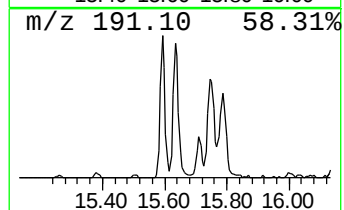
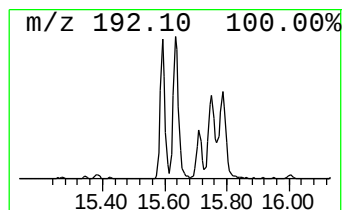
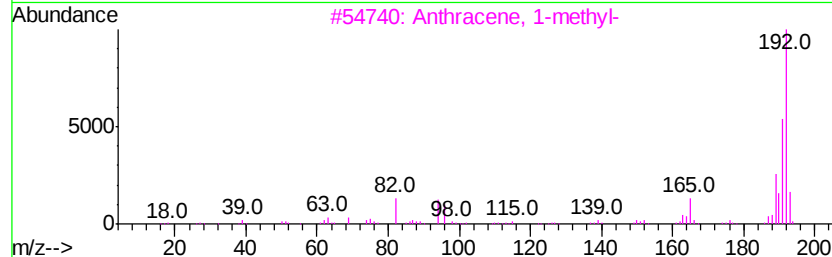
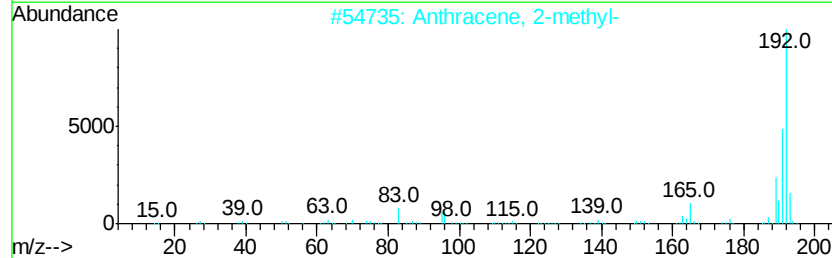
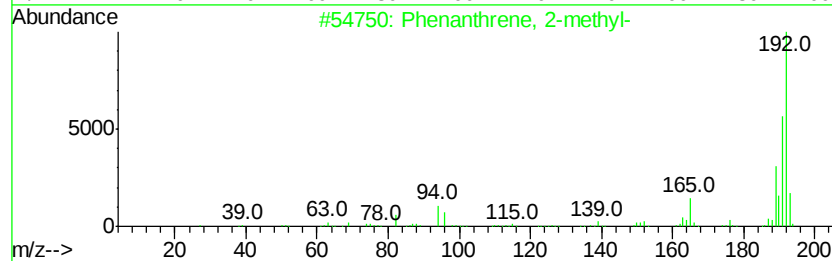
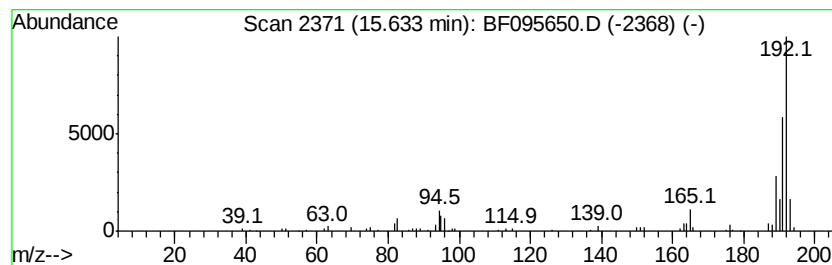
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Anthracene, 9-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.63	5.97 ng	144987	Phenanthrene-d10	14.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060217\
Data File : BF095650.D
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ClientSampleId :
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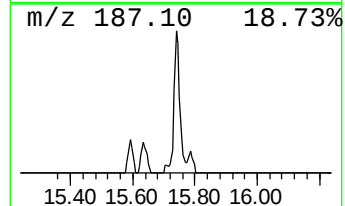
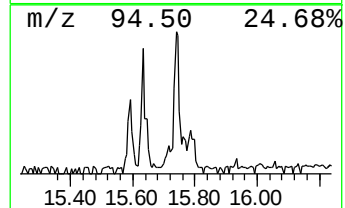
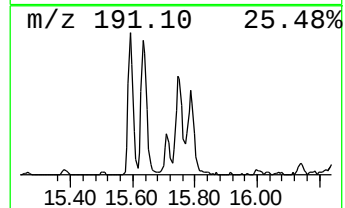
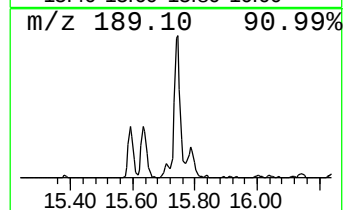
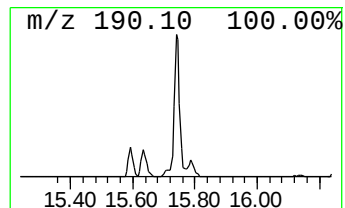
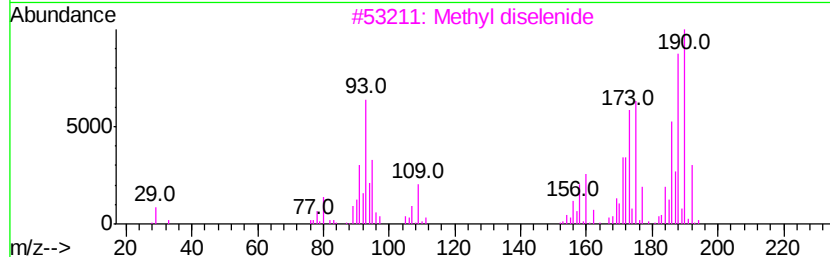
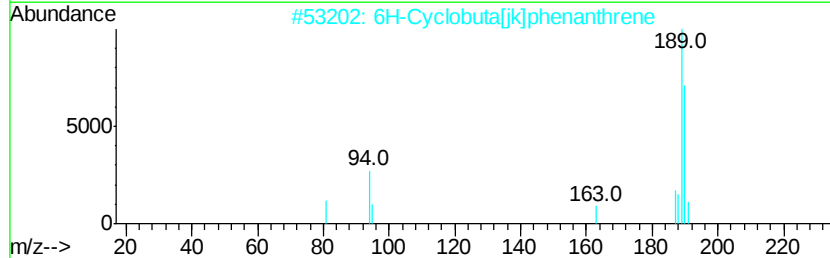
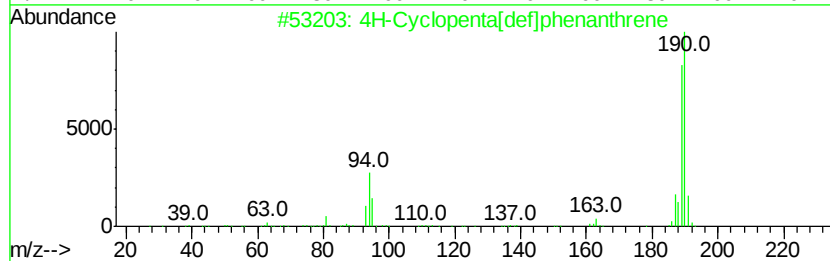
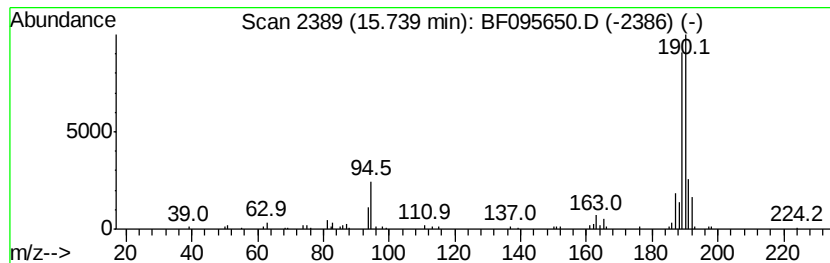
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.74	9.45 ng	229249	Phenanthrene-d10	14.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	40
3		Methyl diselenide	190	C2H6Se2	007101-31-7	27
4		Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	18
5		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060217\
Data File : BF095650.D
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ClientSampleId :
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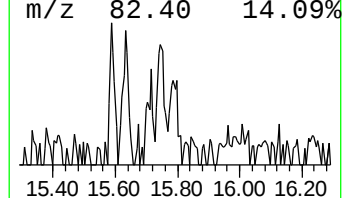
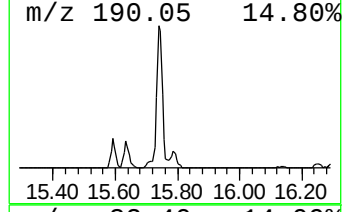
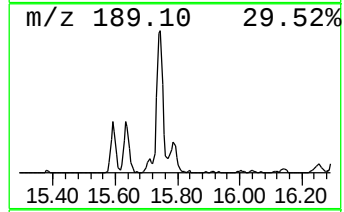
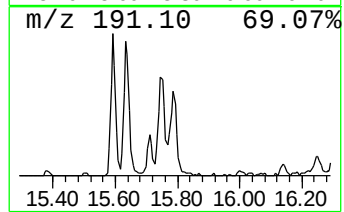
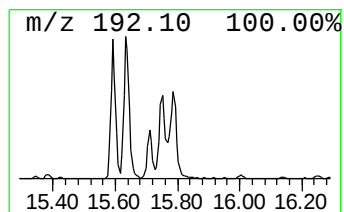
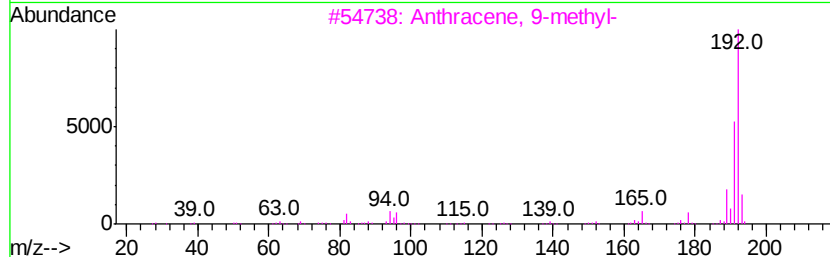
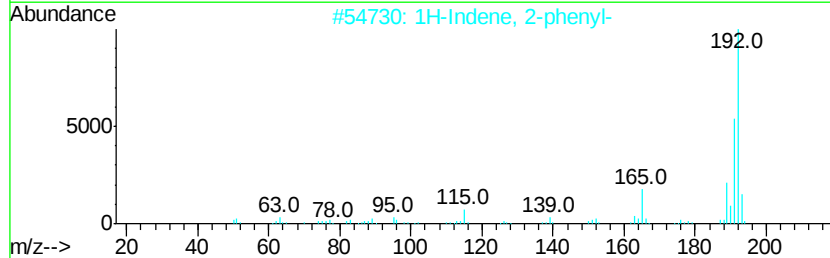
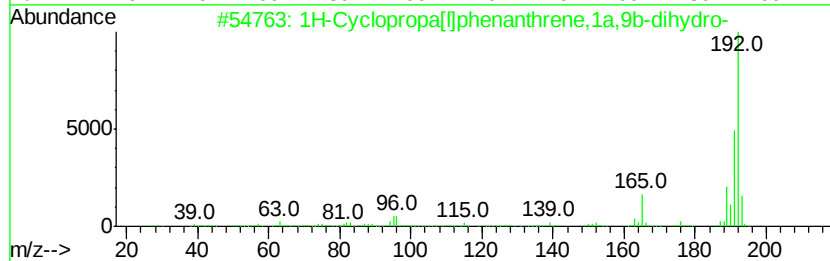
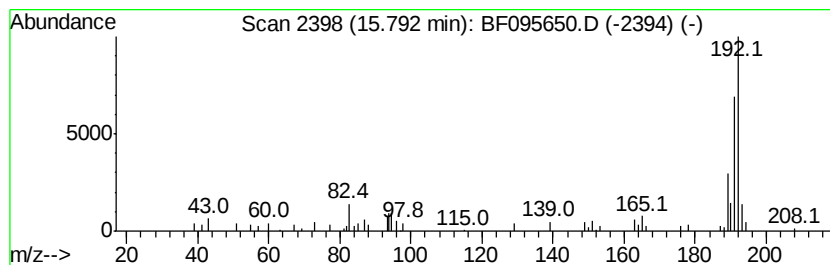
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	4.96 ng	120320	Phenanthrene-d10	14.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	76
2		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	76
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	76
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	70
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	68



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060217\
Data File : BF095650.D
Acq On : 2 Jun 2017 23:50
Operator : SJ/MA
Sample : I3441-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-RO-5267-060117

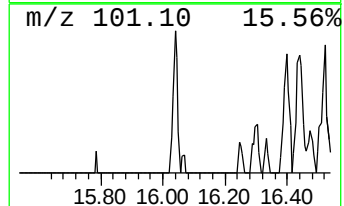
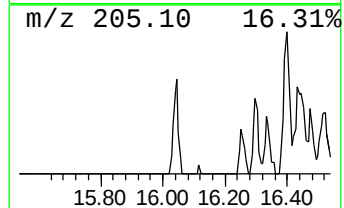
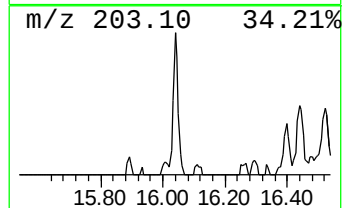
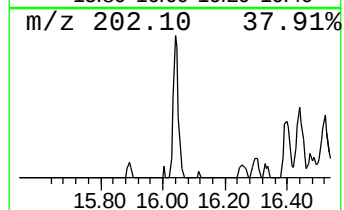
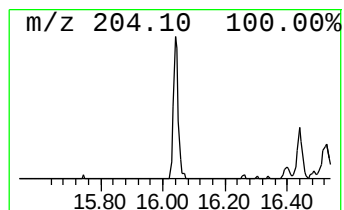
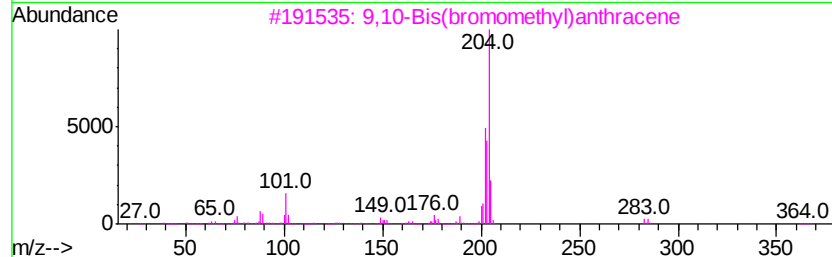
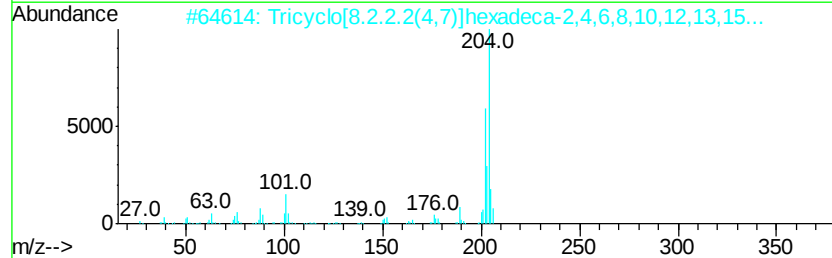
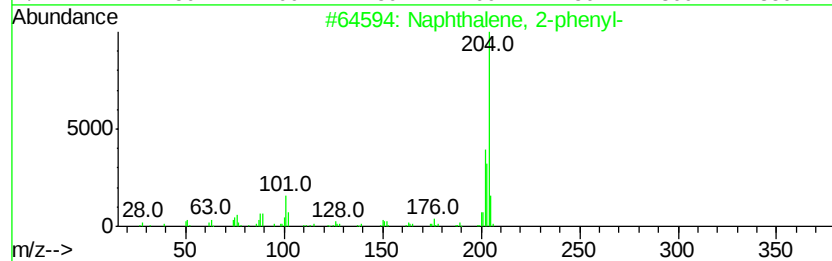
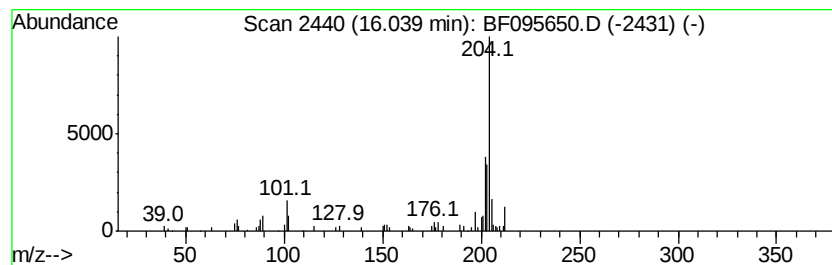
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	4.35 ng	105560	Phenanthrene-d10	14.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
3			9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	83
4			5,16[1',2':1,8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
5			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60



Data Path : Z:\HPCHEM1\BNA F\DATA\BF060217\
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ClientSampleId :
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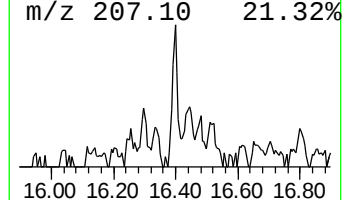
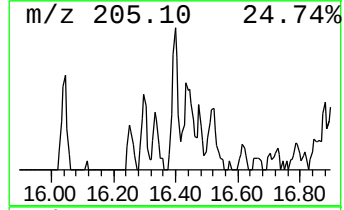
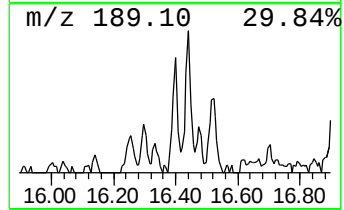
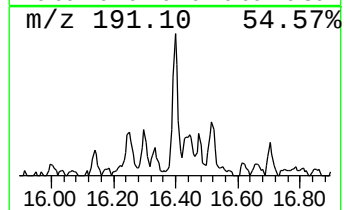
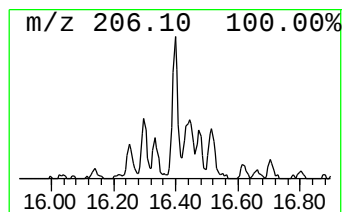
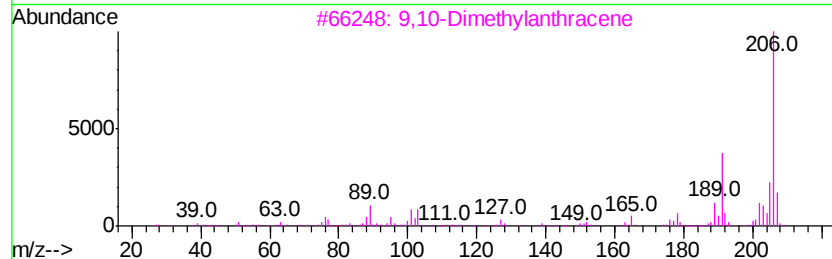
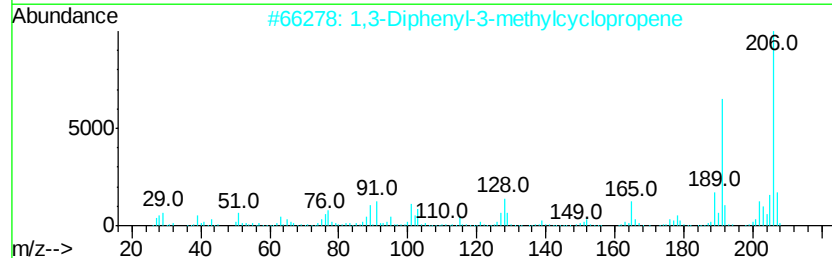
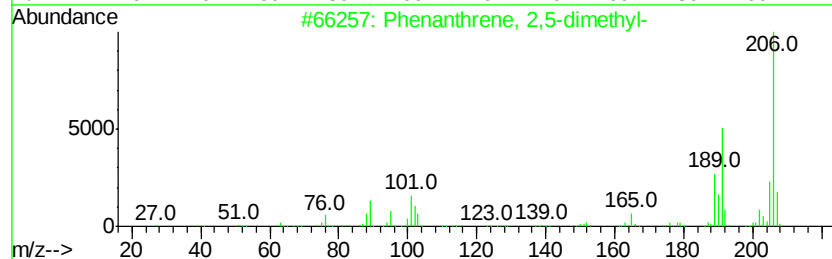
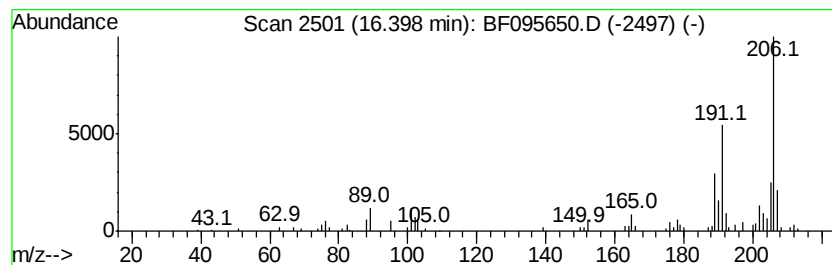
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.40	4.54 ng	110093	Phenanthrene-d10	14.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2		1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	93
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060217\
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Misc :
ALS Vial : 20 Sample Multiplier: 1

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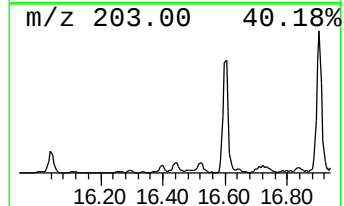
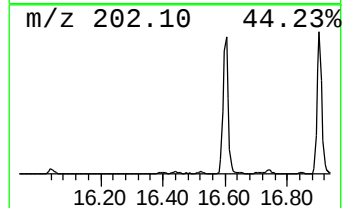
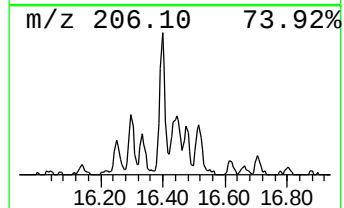
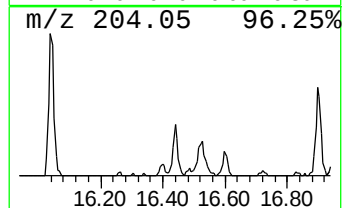
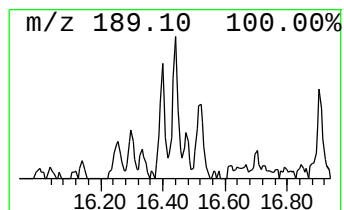
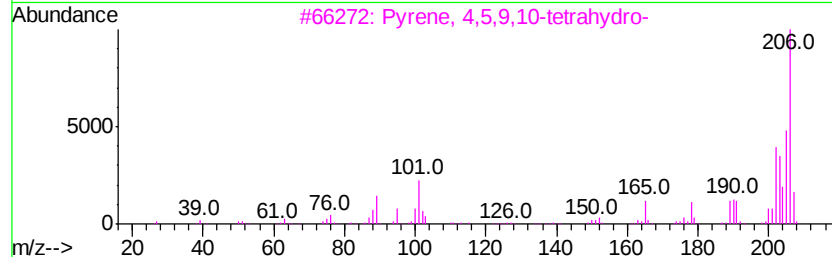
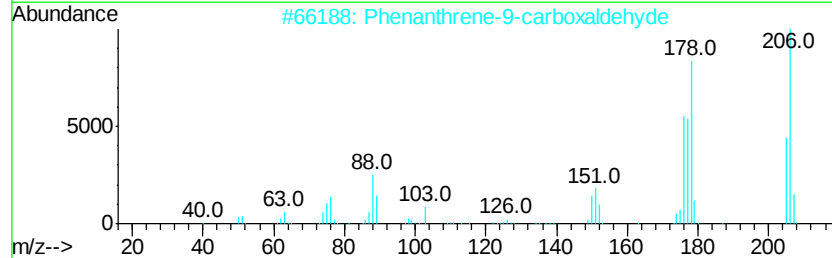
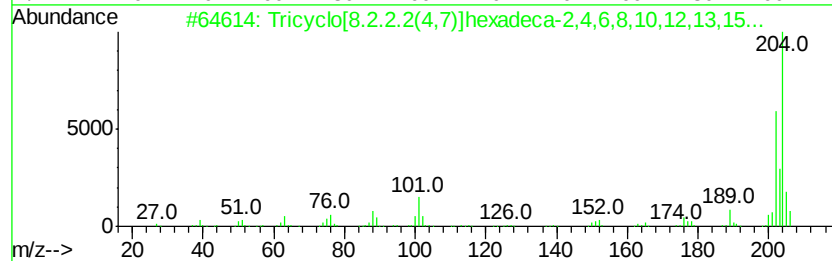
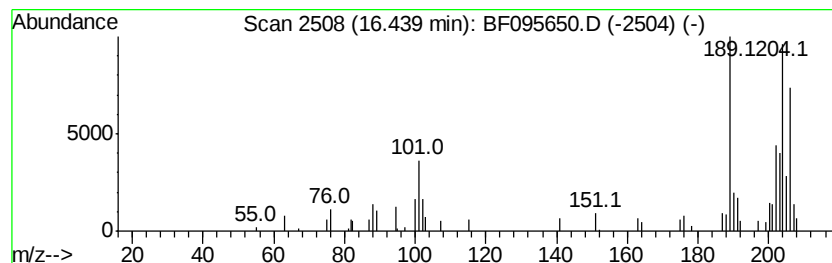
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown16.44 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	2.96 ng	71822	Phenanthrene-d10	14.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	46
2			Phenanthrene-9-carboxaldehyde	206	C15H10O	004707-71-5	44
3			Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
4			[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	41
5			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF060217\
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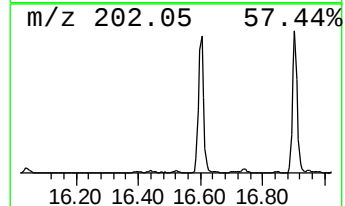
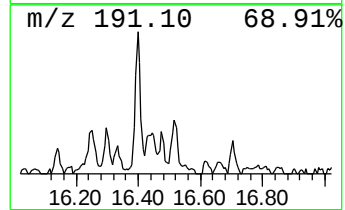
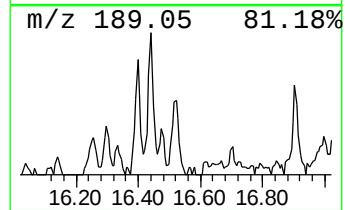
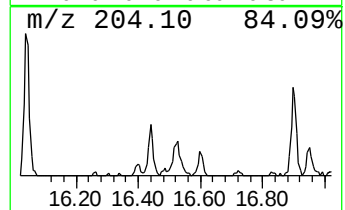
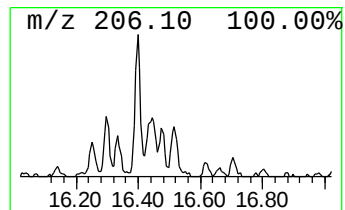
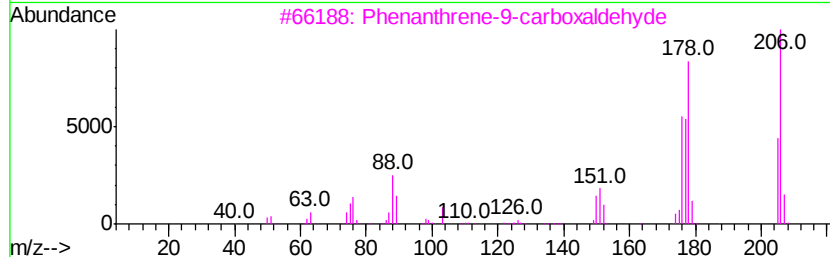
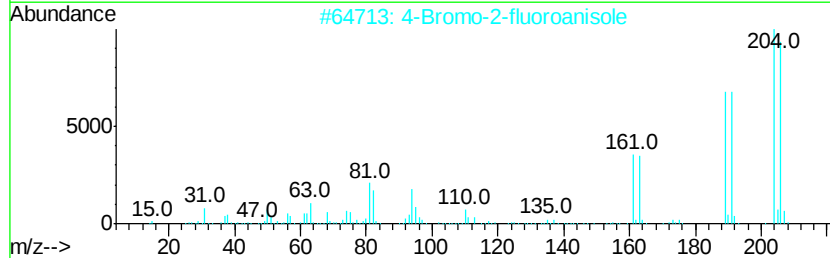
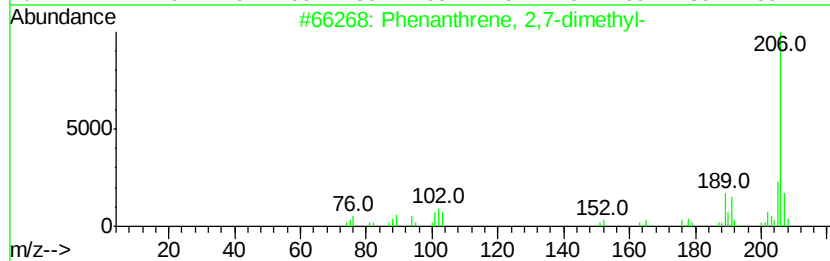
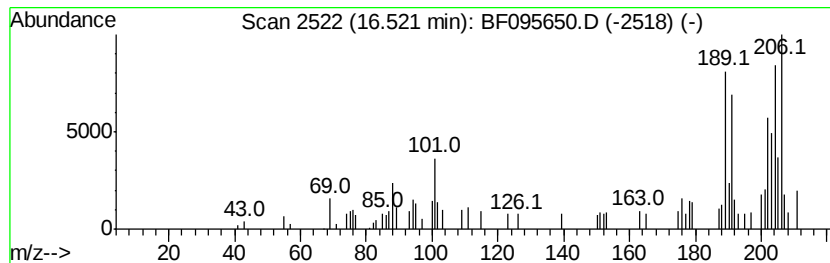
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 2,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	2.89 ng	70115	Phenanthrene-d10	14.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	55
2		4-Bromo-2-fluoroanisole	204	C7H6BrFO	002357-52-0	52
3		Phenanthrene-9-carboxaldehyde	206	C15H10O	004707-71-5	44
4		Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	42
5		9,10-Dimethylantracene	206	C16H14	000781-43-1	42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060217\
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Operator : SJ/MA
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Instrument :
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ClientSampleId :
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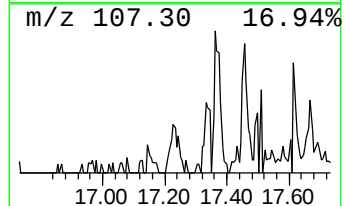
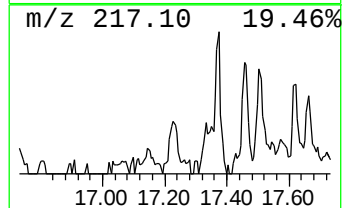
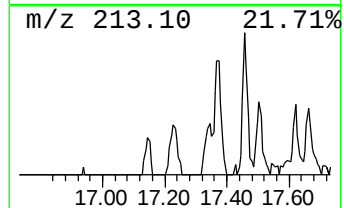
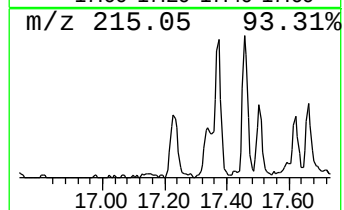
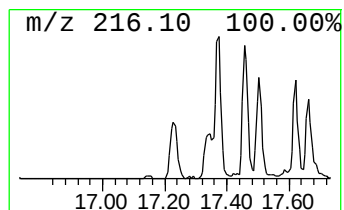
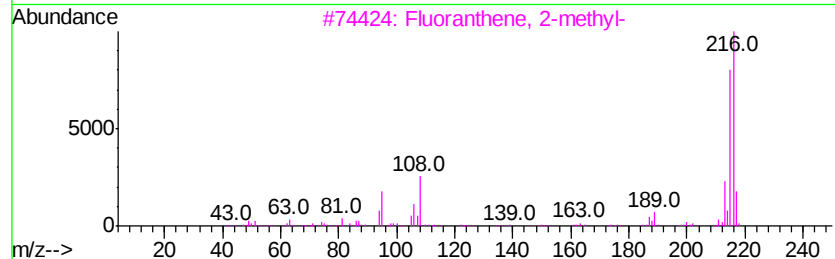
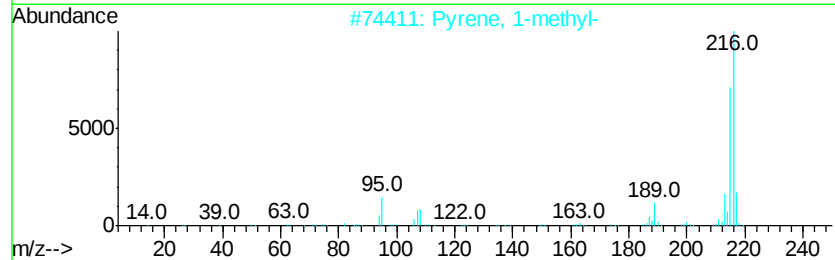
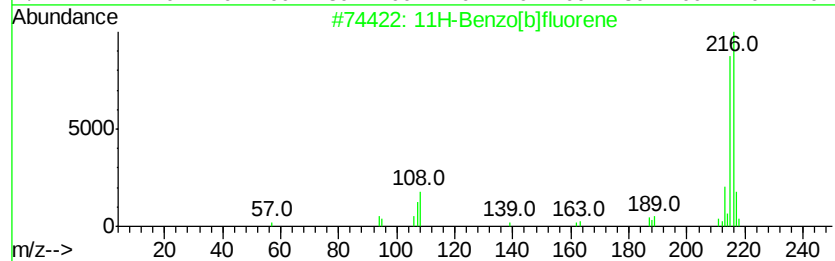
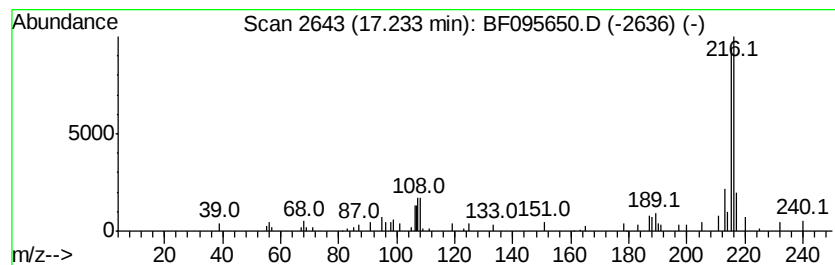
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.23	2.38 ng	82619	Chrysene-d12	18.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	76



Data Path : Z:\HPCHEM1\BNA F\DATA\BF060217\
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ClientSampleId :
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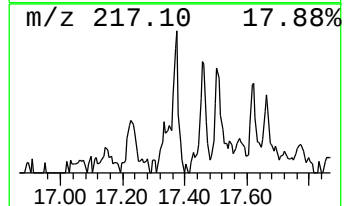
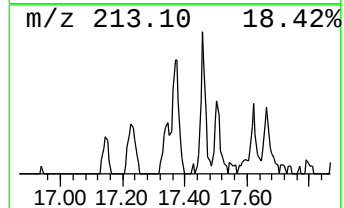
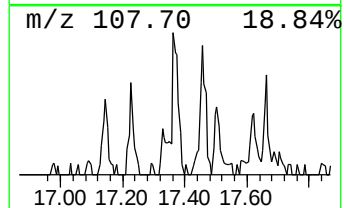
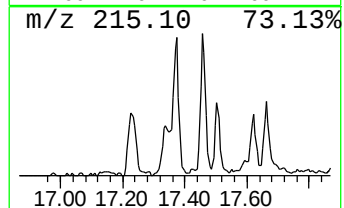
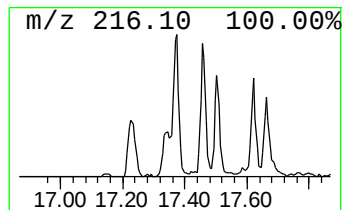
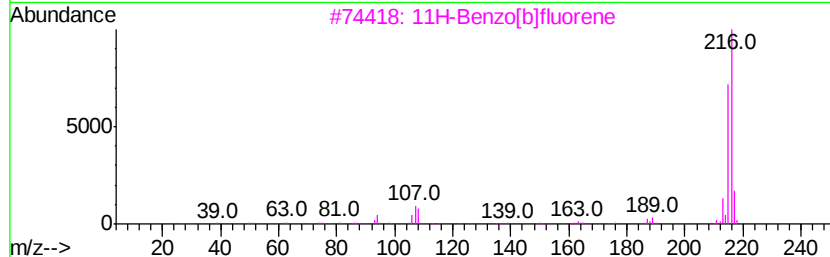
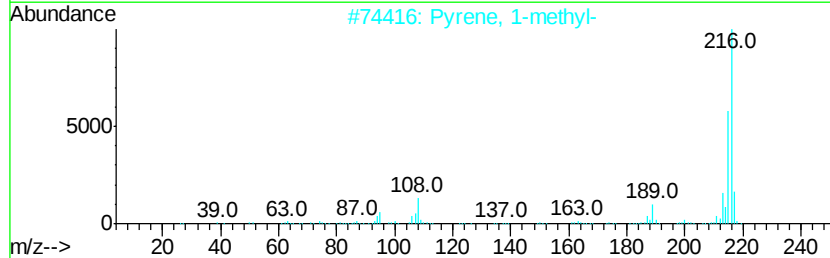
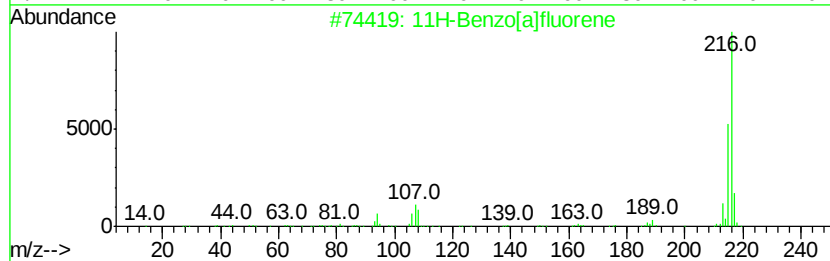
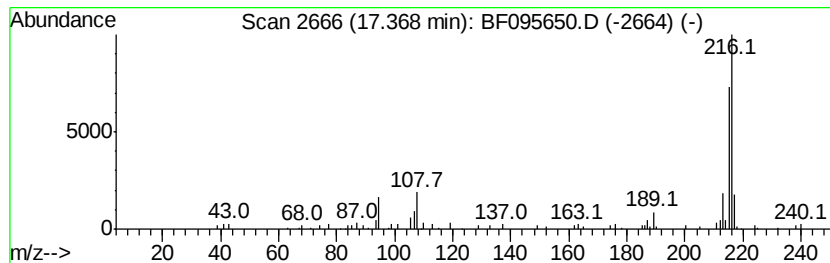
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.37	3.01 ng	104639	Chrysene-d12	18.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80
4		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	59
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060217\
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Sample : I3441-01 5X
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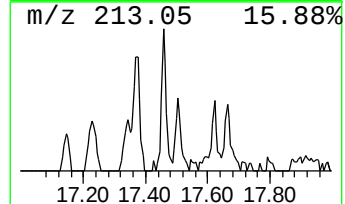
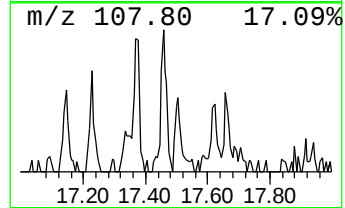
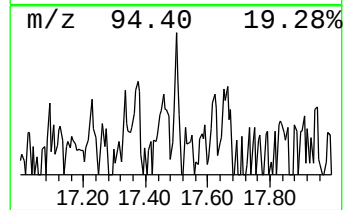
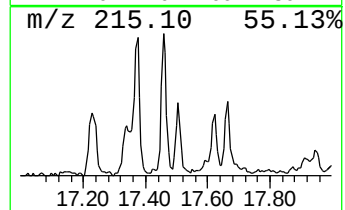
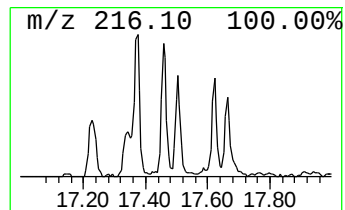
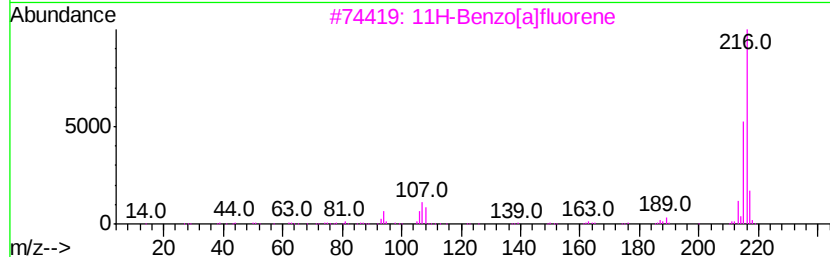
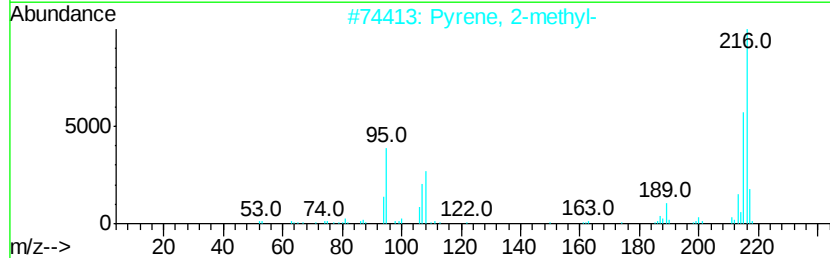
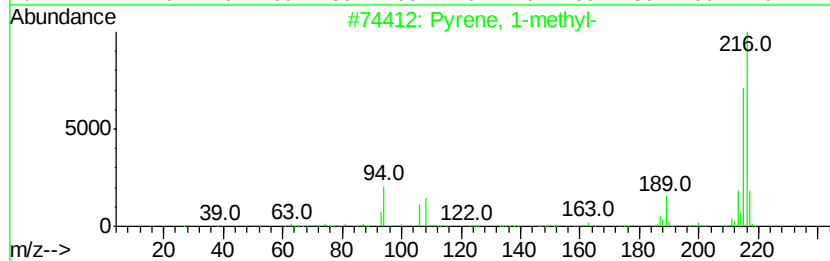
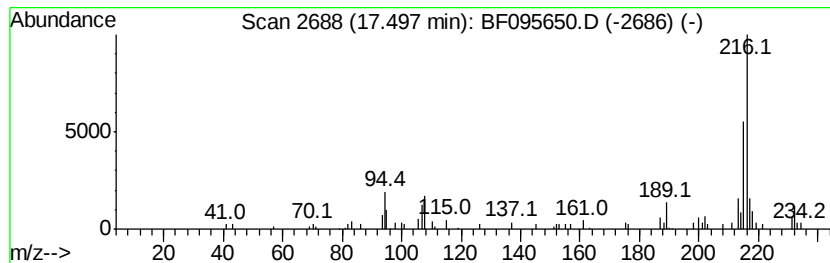
Instrument :
BNA_F
ClientSampleId :
OR-RO-5267-060117

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

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

Peak Number 19 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.50	2.85 ng	98954	Chrysene-d12	18.50	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	81
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	72
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70



Data Path : Z:\HPCHEM1\BNA F\DATA\BF060217\
Data File : BF095650.D
Acq On : 2 Jun 2017 23:50
Operator : SJ/MA
Sample : I3441-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-RO-5267-060117

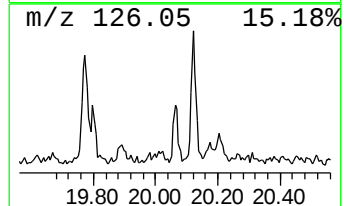
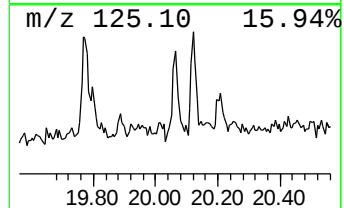
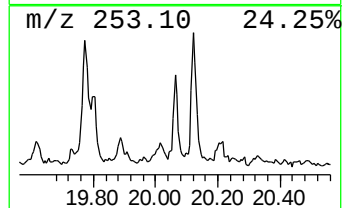
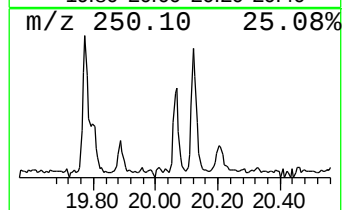
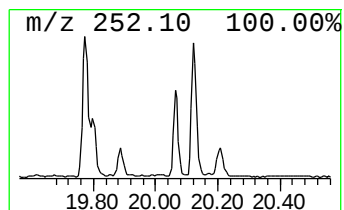
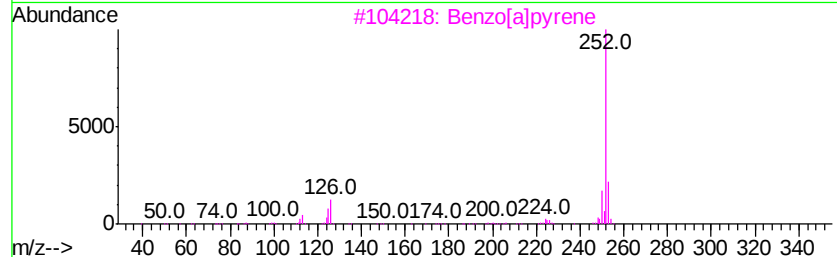
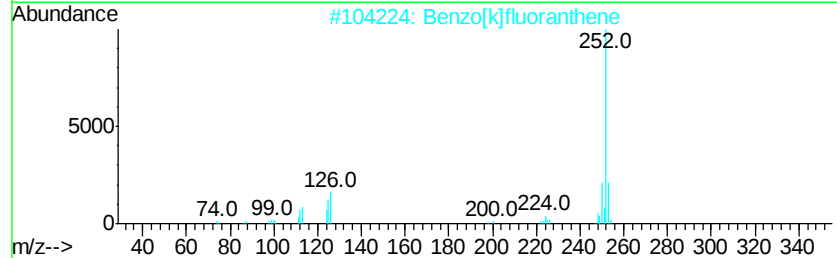
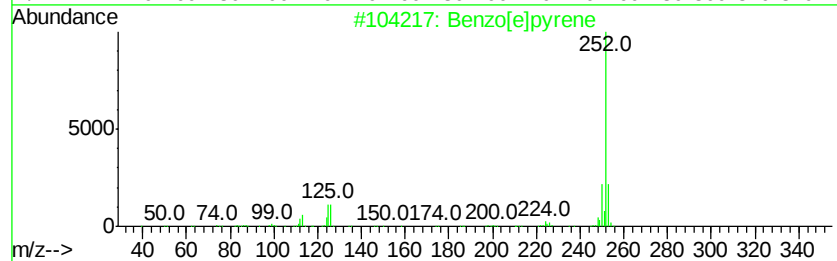
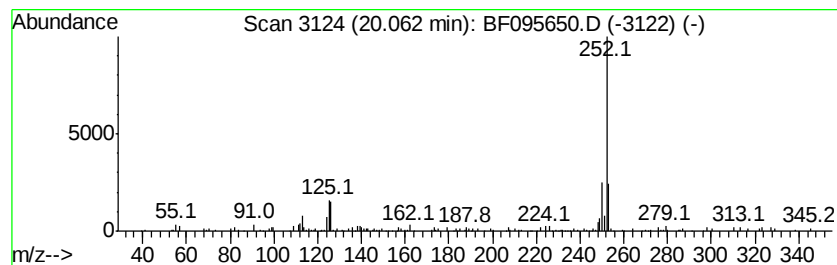
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.06	3.40 ng	53687	Perylene-d12	20.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
3		Benzo[a]pyrene	252	C20H12	000050-32-8	90
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	90
5		Perylene	252	C20H12	000198-55-0	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060217\
 Data File : BF095650.D
 Acq On : 2 Jun 2017 23:50
 Operator : SJ/MA
 Sample : I3441-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-RO-5267-060117

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown7.21	7.21	17.6	ng	409415	1	7.54	464556	20.0
Naphthalene, 1-me...	10.89	5.8	ng	169366	2	9.57	581520	20.0
Naphthalene, 2,3-...	11.87	3.9	ng	121792	3	12.40	617703	20.0
Naphthalene, 1,3-...	12.05	3.2	ng	100183	3	12.40	617703	20.0
9H-Fluorene, 2-me...	14.20	2.8	ng	68188	4	14.80	485335	20.0
Dibenzothiophene	14.63	3.1	ng	76171	4	14.80	485335	20.0
Phenanthrene, 2-m...	15.59	6.9	ng	168194	4	14.80	485335	20.0
Anthracene, 9-met...	15.63	6.0	ng	144987	4	14.80	485335	20.0
4H-Cyclopenta[def...	15.74	9.4	ng	229249	4	14.80	485335	20.0
1H-Cyclopropa[l]p...	15.79	5.0	ng	120320	4	14.80	485335	20.0
Naphthalene, 2-ph...	16.04	4.3	ng	105560	4	14.80	485335	20.0
Phenanthrene, 2,5...	16.40	4.5	ng	110093	4	14.80	485335	20.0
unknown16.44	16.44	3.0	ng	71822	4	14.80	485335	20.0
Phenanthrene, 2,7...	16.52	2.9	ng	70115	4	14.80	485335	20.0
11H-Benzo[b]fluorene	17.23	2.4	ng	82619	5	18.50	695394	20.0
11H-Benzo[a]fluorene	17.37	3.0	ng	104639	5	18.50	695394	20.0
Pyrene, 1-methyl-	17.50	2.9	ng	98954	5	18.50	695394	20.0
Benzo[e]pyrene	20.06	3.4	ng	53687	6	20.17	315816	20.0