

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
 Data File : BF095445.D
 Acq On : 26 May 2017 2:49
 Operator : SJ/MA
 Sample : I3200-11 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-41-20170517

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.090	532	536	542	rBV2	17390	39727	4.59%	0.319%
2	5.748	645	648	670	rBV	84648	316051	36.53%	2.538%
3	7.336	914	918	930	rBV	85492	280451	32.41%	2.252%
4	7.431	930	934	953	rVB	209664	546783	63.19%	4.391%
5	7.742	983	987	1005	rBV	352931	518401	59.91%	4.163%
6	7.983	1024	1028	1038	rBV	249237	363210	41.98%	2.916%
7	8.672	1141	1145	1162	rBV	63561	196712	22.73%	1.580%
8	9.772	1327	1332	1355	rBV	332845	716291	82.78%	5.752%
9	11.548	1629	1634	1654	rBV	273182	507115	58.61%	4.072%
10	12.248	1747	1753	1762	rBV	39760	88798	10.26%	0.713%
11	12.383	1772	1776	1783	rBV	17315	28419	3.28%	0.228%
12	12.601	1808	1813	1830	rBV2	459255	800870	92.56%	6.431%
13	12.977	1872	1877	1882	rBV5	7706	17041	1.97%	0.137%
14	13.148	1902	1906	1912	rBV4	6892	13240	1.53%	0.106%
15	13.430	1950	1954	1959	rBV4	14039	19404	2.24%	0.156%
16	13.513	1962	1968	1976	rVV4	15300	33490	3.87%	0.269%
17	13.595	1978	1982	1984	rVV5	6414	9651	1.12%	0.077%
18	13.789	2009	2015	2019	rBV5	13166	23339	2.70%	0.187%
19	13.918	2032	2037	2045	rBV2	97143	196361	22.69%	1.577%
20	14.207	2082	2086	2088	rBV3	11610	17303	2.00%	0.139%
21	14.230	2088	2090	2094	rVB3	11002	13194	1.52%	0.106%
22	14.407	2115	2120	2123	rBV3	7759	12273	1.42%	0.099%
23	14.530	2139	2141	2146	rVB4	6846	9167	1.06%	0.074%
24	14.624	2153	2157	2161	rBV6	9810	14570	1.68%	0.117%
25	14.754	2173	2179	2182	rBV6	7823	13200	1.53%	0.106%
26	14.795	2182	2186	2188	rVV5	9537	13464	1.56%	0.108%
27	14.848	2192	2195	2199	rVB	8487	10265	1.19%	0.082%
28	14.936	2207	2210	2213	rBV3	12375	13113	1.52%	0.105%
29	15.007	2214	2222	2225	rVV	414581	576308	66.60%	4.628%
30	15.042	2225	2228	2240	rVV	238877	372623	43.06%	2.992%
31	15.136	2240	2244	2252	rVB	46940	70672	8.17%	0.567%
32	15.224	2255	2259	2263	rBV5	14472	21157	2.45%	0.170%
33	15.401	2285	2289	2293	rBV6	7334	14977	1.73%	0.120%
34	15.442	2293	2296	2301	rVV4	15891	27942	3.23%	0.224%

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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

35	15.495	2301	2305	2308	rVB3	11221	14041	1.62%	0.113%
36	15.530	2308	2311	2317	rBV3	21951	29273	3.38%	0.235%
37	15.601	2319	2323	2327	rVB6	11126	15285	1.77%	0.123%
38	15.789	2350	2355	2359	rBV	81037	103334	11.94%	0.830%
39	15.830	2359	2362	2371	rVV	93682	123187	14.24%	0.989%
40	15.906	2371	2375	2377	rVV2	17432	23742	2.74%	0.191%
41	15.942	2377	2381	2385	rVV3	93143	159043	18.38%	1.277%
42	15.977	2385	2387	2394	rVB	67866	90990	10.52%	0.731%
43	16.136	2410	2414	2420	rVB7	14952	25750	2.98%	0.207%
44	16.195	2420	2424	2425	rBV4	15108	15854	1.83%	0.127%
45	16.230	2426	2430	2438	rVB	36910	61681	7.13%	0.495%
46	16.295	2438	2441	2444	rBV3	24361	29792	3.44%	0.239%
47	16.324	2444	2446	2451	rVB2	17294	18335	2.12%	0.147%
48	16.436	2461	2465	2469	rVB2	27375	32149	3.72%	0.258%
49	16.483	2469	2473	2476	rBV	29819	37108	4.29%	0.298%
50	16.518	2477	2479	2484	rVB	18395	17377	2.01%	0.140%
51	16.583	2485	2490	2493	rBV	96279	122371	14.14%	0.983%
52	16.624	2493	2497	2501	rVV4	39636	69130	7.99%	0.555%
53	16.659	2501	2503	2506	rVB	25128	21894	2.53%	0.176%
54	16.706	2506	2511	2518	rBV4	43030	86245	9.97%	0.693%
55	16.789	2521	2525	2536	rVB	439796	591516	68.36%	4.750%
56	16.883	2536	2541	2545	rBV6	28949	53981	6.24%	0.433%
57	16.918	2545	2547	2553	rVB4	24660	36962	4.27%	0.297%
58	16.989	2553	2559	2562	rBV2	19673	28927	3.34%	0.232%
59	17.024	2562	2565	2569	rBV5	21447	35920	4.15%	0.288%
60	17.089	2572	2576	2585	rVV	526134	648847	74.99%	5.210%
61	17.159	2585	2588	2593	rVV3	15375	19241	2.22%	0.155%
62	17.206	2593	2596	2599	rVB2	24512	30853	3.57%	0.248%
63	17.242	2600	2602	2605	rVB4	11232	10303	1.19%	0.083%
64	17.277	2605	2608	2611	rBV3	24276	35098	4.06%	0.282%
65	17.324	2611	2616	2624	rVB	311088	434890	50.26%	3.492%
66	17.406	2624	2630	2639	rBV4	51461	121450	14.04%	0.975%
67	17.524	2642	2650	2652	rBV4	50638	98408	11.37%	0.790%
68	17.548	2652	2654	2660	rVB	69904	96397	11.14%	0.774%
69	17.636	2662	2669	2674	rBV3	43507	80496	9.30%	0.646%
70	17.689	2674	2678	2683	rBV3	83580	152258	17.60%	1.223%
71	17.806	2694	2698	2701	rBV	51388	57988	6.70%	0.466%

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72	17.848	2701	2705	2710	rVB	38618	51760	5.98%	0.416%
73	18.048	2737	2739	2742	rBV4	10692	12820	1.48%	0.103%
74	18.195	2760	2764	2765	rBV4	10585	13461	1.56%	0.108%
75	18.242	2768	2772	2779	rVB	47143	73544	8.50%	0.591%
76	18.300	2779	2782	2786	rBV4	16075	20881	2.41%	0.168%
77	18.359	2788	2792	2794	rVV2	38108	56553	6.54%	0.454%
78	18.383	2794	2796	2800	rVB	66813	80983	9.36%	0.650%
79	18.418	2800	2802	2806	rBV	26763	36429	4.21%	0.293%
80	18.453	2806	2808	2812	rVB3	30144	37351	4.32%	0.300%
81	18.495	2812	2815	2816	rBV2	11263	12313	1.42%	0.099%
82	18.518	2816	2819	2824	rBV3	36932	52393	6.06%	0.421%
83	18.677	2840	2846	2850	rBV2	554365	865279	100.00%	6.948%
84	18.712	2850	2852	2860	rVV	248504	348099	40.23%	2.795%
85	18.806	2863	2868	2872	rBV5	39403	62090	7.18%	0.499%
86	18.906	2882	2885	2889	rBV5	19960	35083	4.05%	0.282%
87	19.183	2927	2932	2936	rBV	79257	116561	13.47%	0.936%
88	19.224	2937	2939	2942	rVB	44136	47613	5.50%	0.382%
89	19.277	2944	2948	2949	rBV4	26476	33691	3.89%	0.271%
90	19.430	2972	2974	2977	rBV4	18724	21809	2.52%	0.175%
91	19.953	3059	3063	3066	rBV	143461	216398	25.01%	1.738%
92	20.242	3109	3112	3116	rBV	108063	133964	15.48%	1.076%
93	20.306	3120	3123	3128	rVV	121158	136164	15.74%	1.093%
94	20.359	3128	3132	3140	rVV	280557	391425	45.24%	3.143%
95	22.318	3463	3465	3469	rBV5	15948	28354	3.28%	0.228%
96	22.988	3577	3579	3584	rBV6	14874	22992	2.66%	0.185%

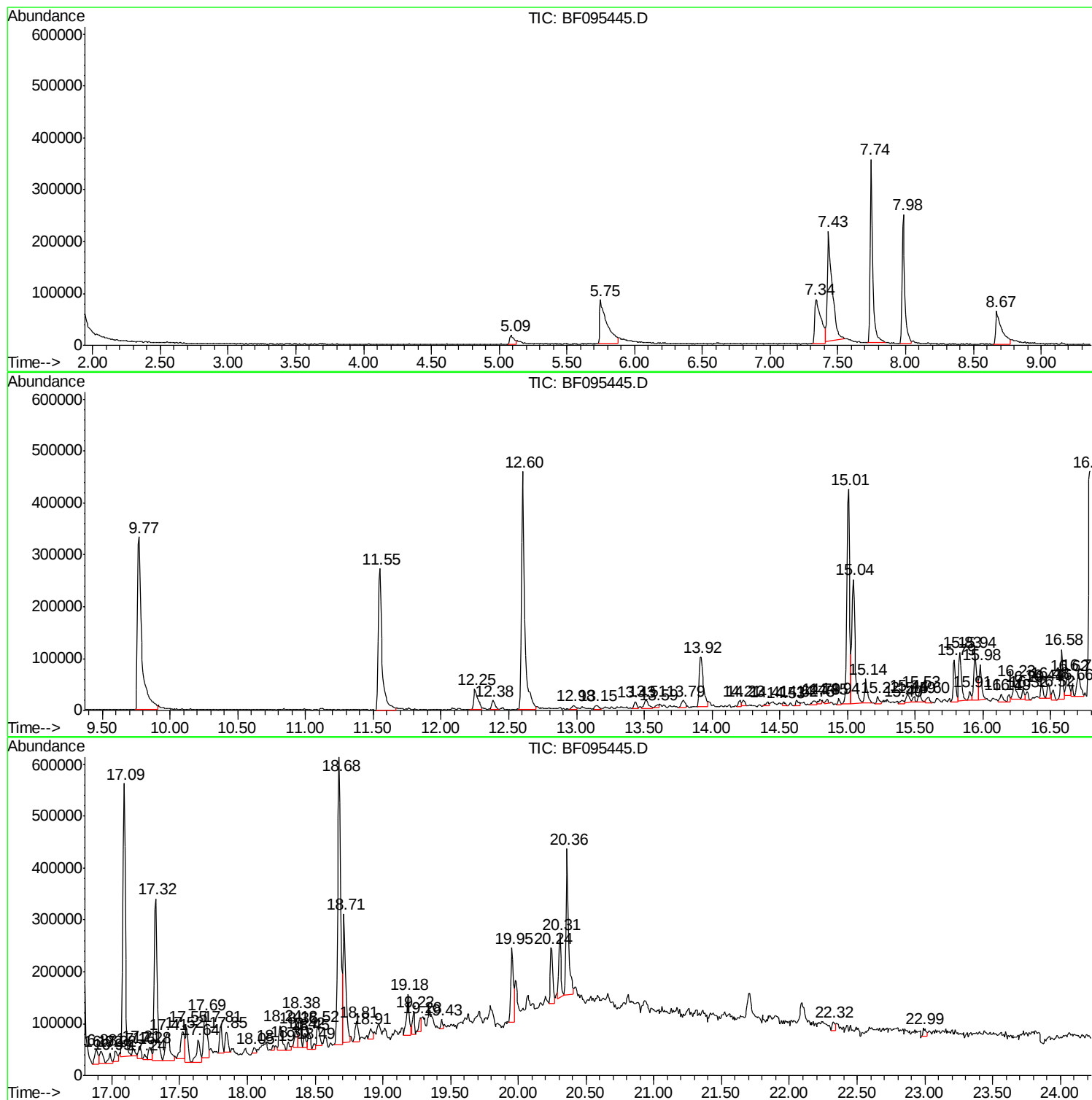
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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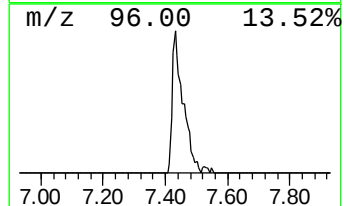
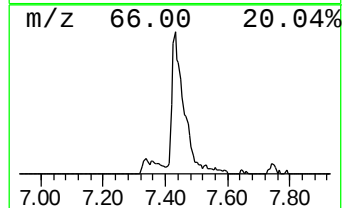
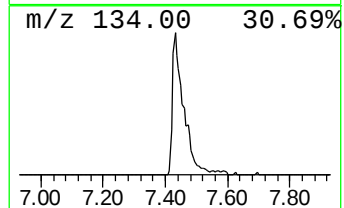
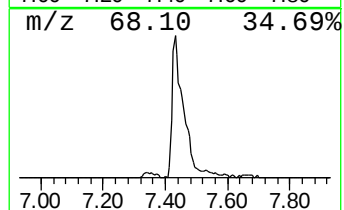
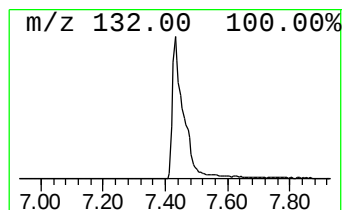
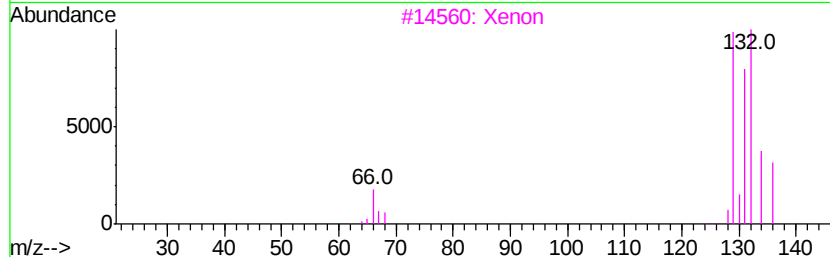
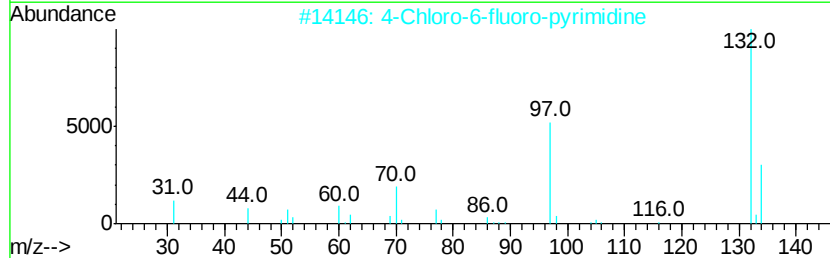
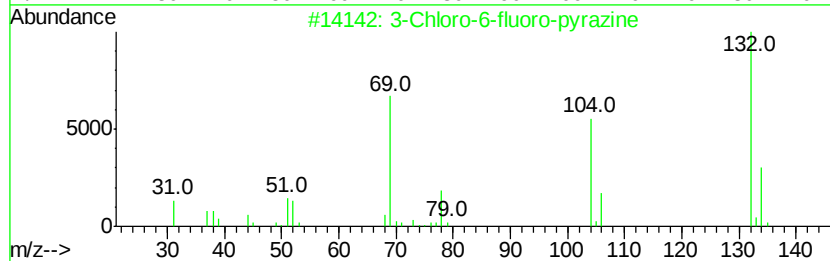
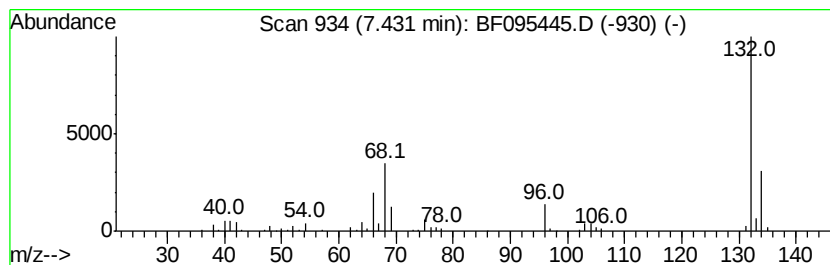
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown7.43 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.43	21.10 ng	546783	1,4-Dichlorobenzene-d4	7.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
3		Xenon	132	Xe	007440-63-3	9
4		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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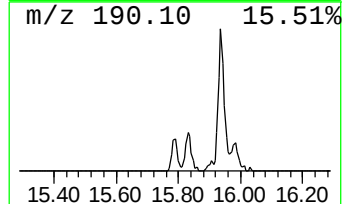
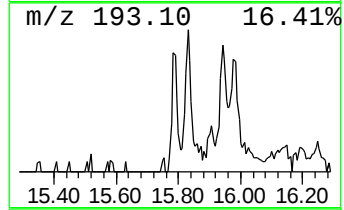
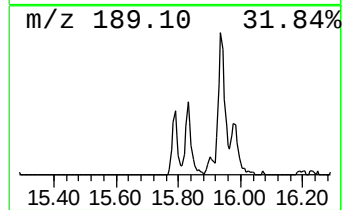
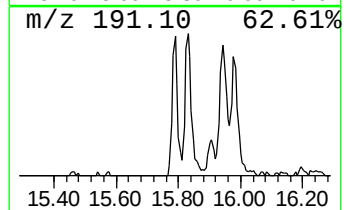
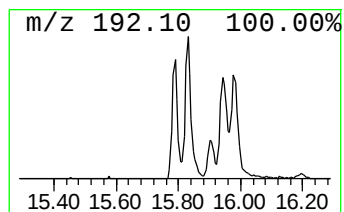
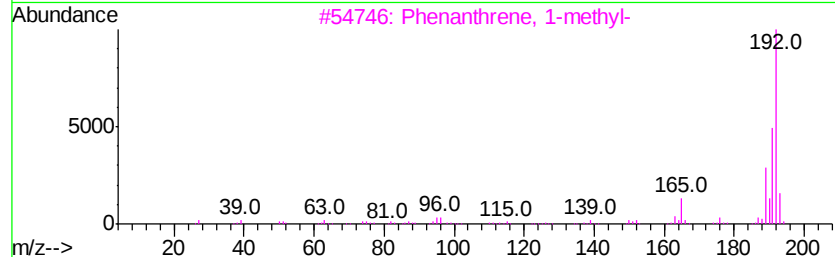
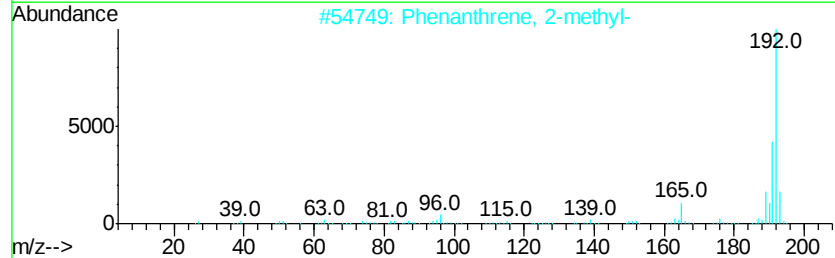
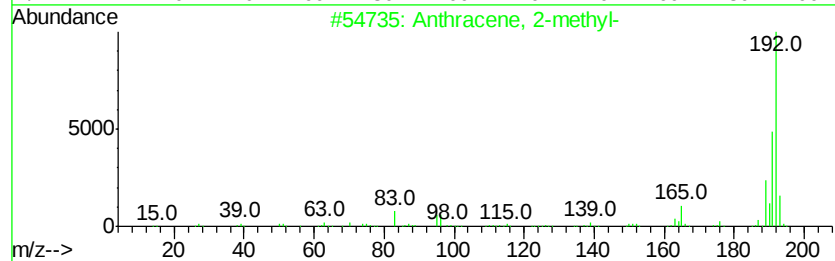
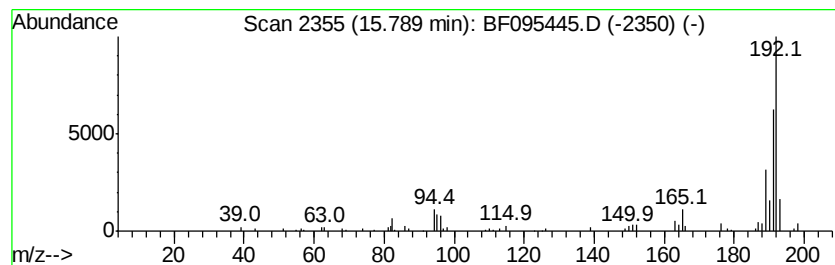
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.
15.79	3.59 ng	103334	Phenanthrene-d10		15.01
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



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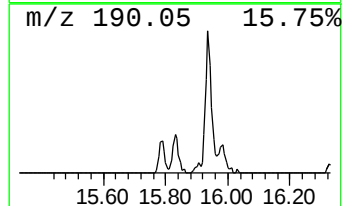
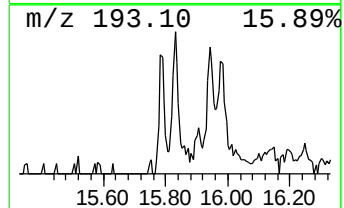
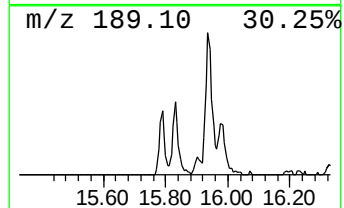
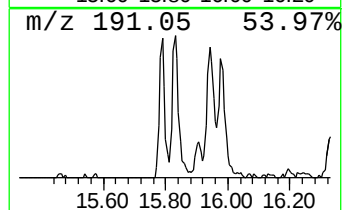
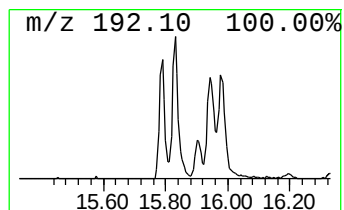
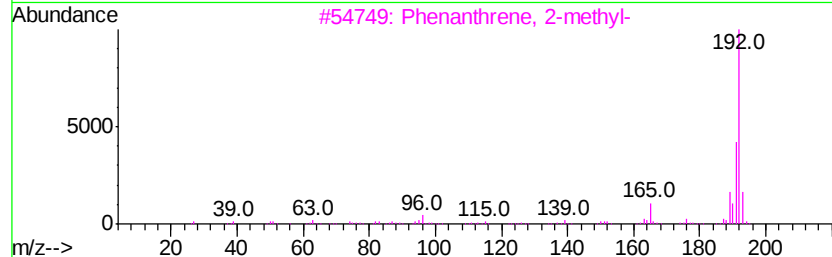
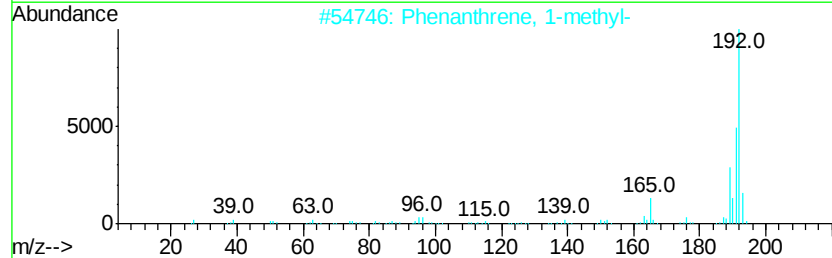
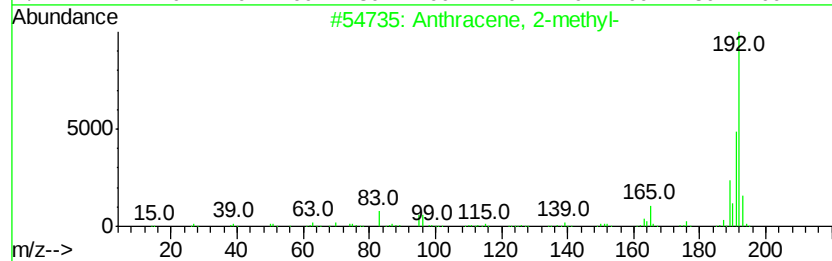
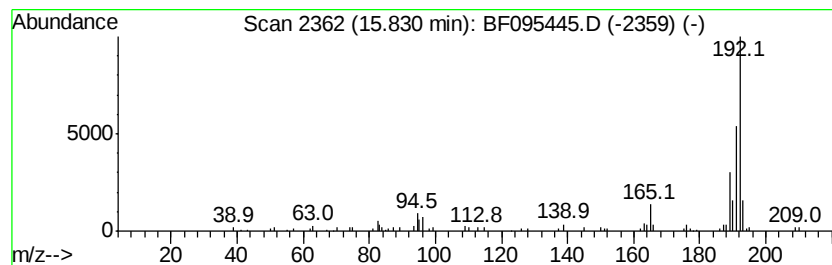
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.83	4.28 ng	123187	Phenanthrene-d10	15.01

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052517\
Data File : BF095445.D
Acq On : 26 May 2017 2:49
Operator : SJ/MA
Sample : I3200-11 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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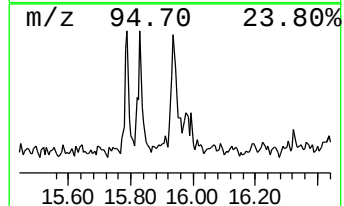
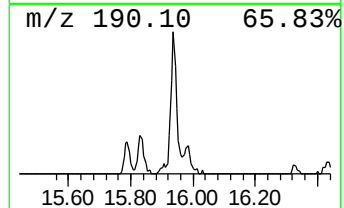
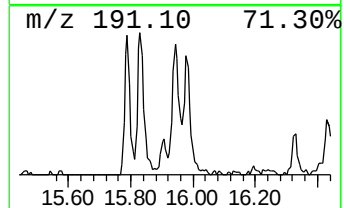
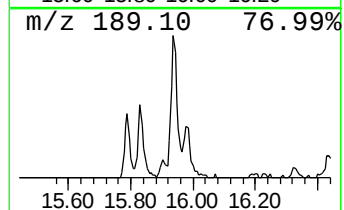
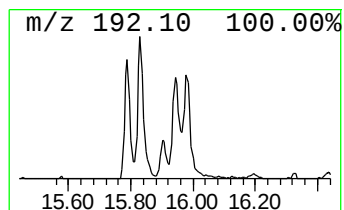
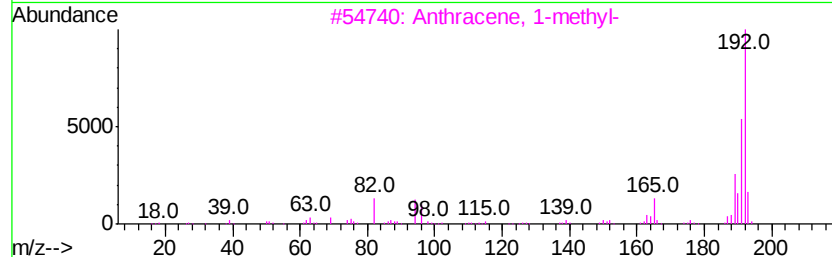
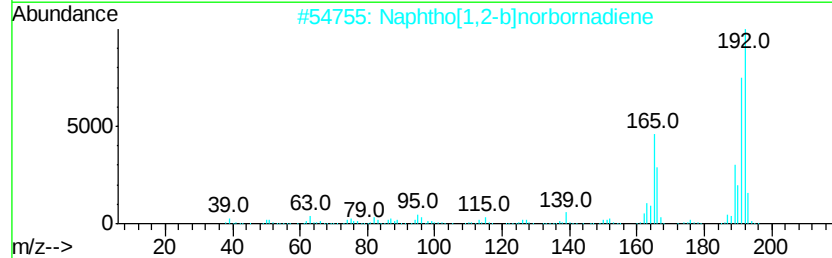
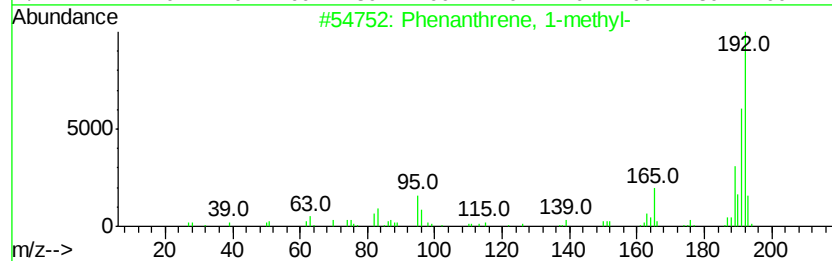
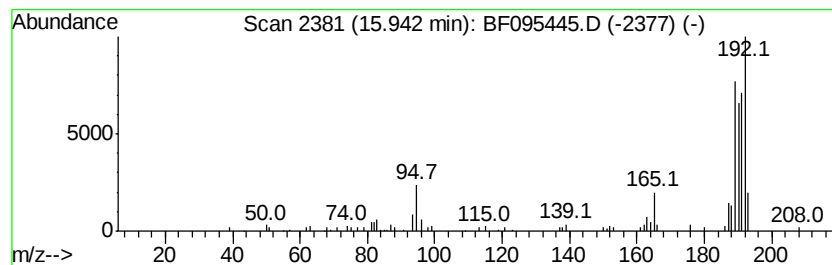
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	5.52 ng	159043	Phenanthrene-d10	15.01

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	55
2		Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	55
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	49
5		1H-Cyclopropa[1]phenanthrene, 1a,...	192	C15H12	000949-41-7	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052517\
Data File : BF095445.D
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Sample : I3200-11 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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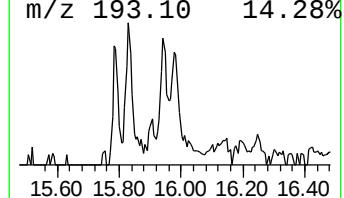
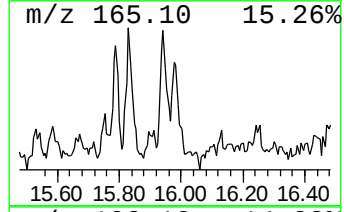
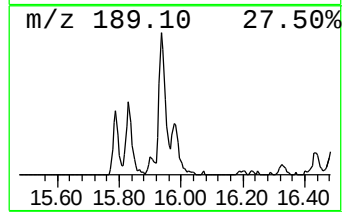
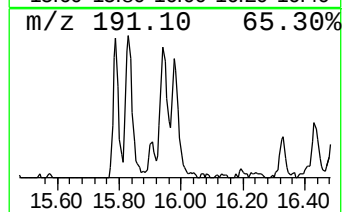
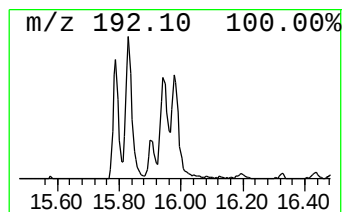
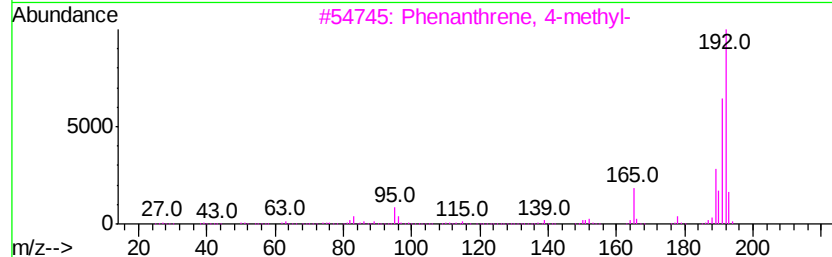
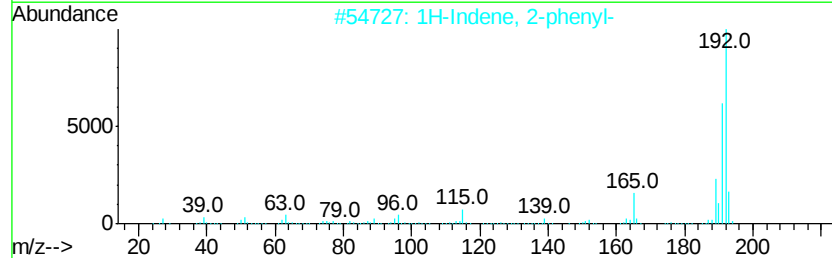
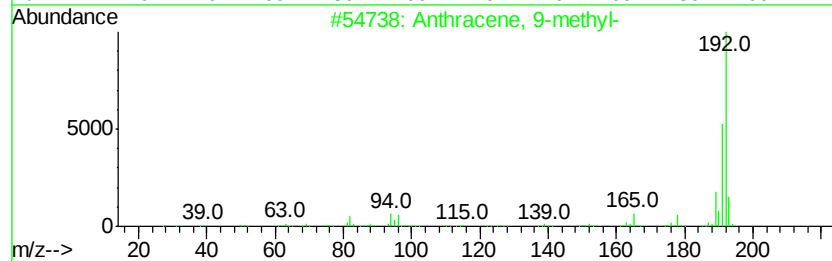
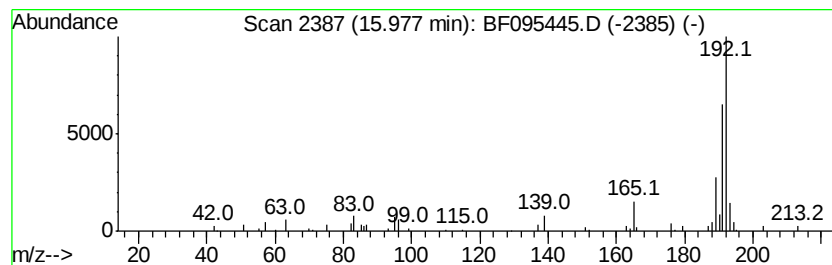
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Anthracene, 9-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	3.16 ng	90990	Phenanthrene-d10	15.01

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
2		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	81
4		Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	74
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	74



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052517\
Data File : BF095445.D
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Operator : SJ/MA
Sample : I3200-11 5X
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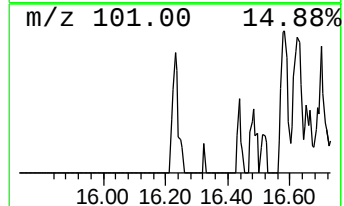
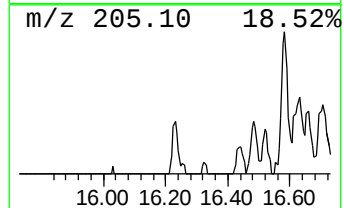
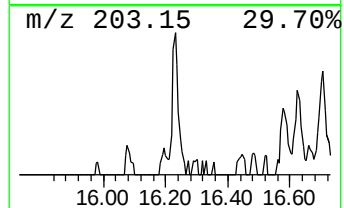
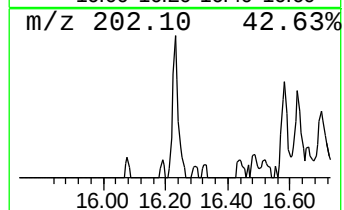
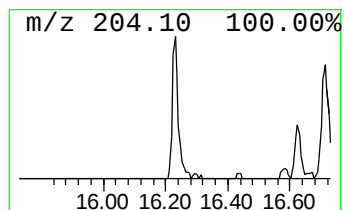
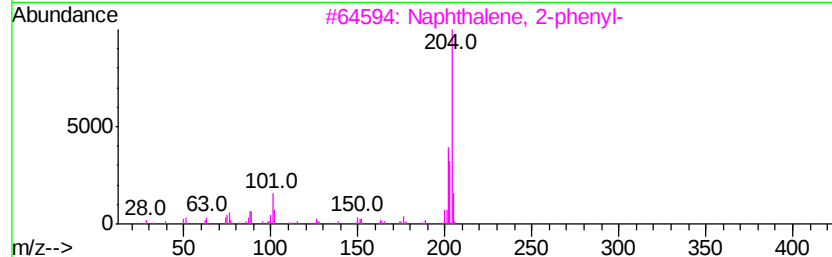
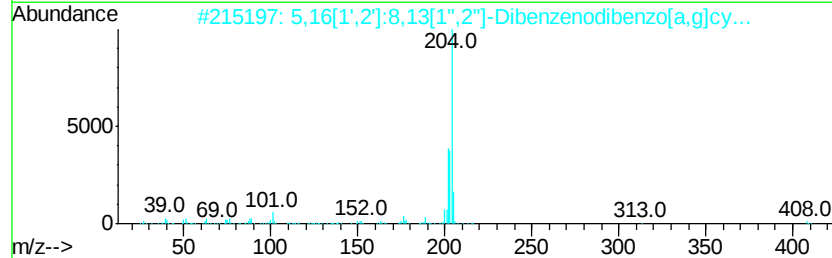
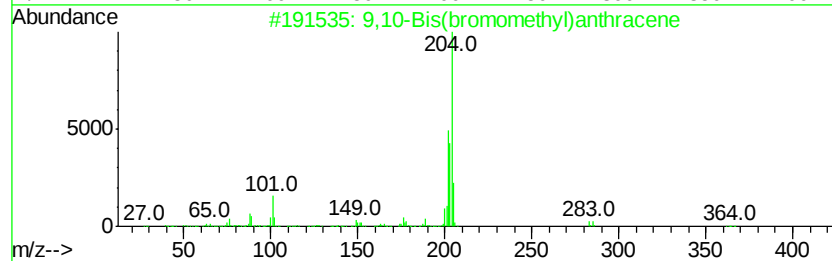
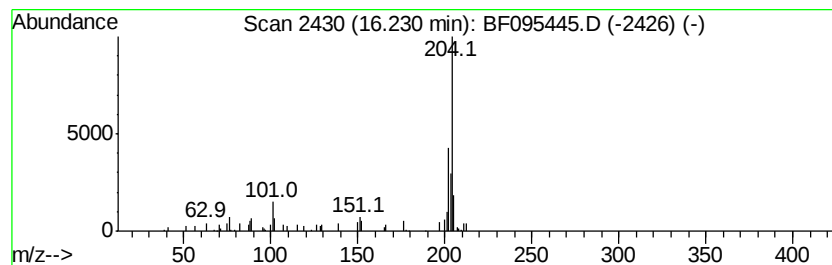
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9,10-Bis(bromomethyl)anthra... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.23	2.14 ng	61681	Phenanthrene-d10	15.01	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	86
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052517\
Data File : BF095445.D
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Operator : SJ/MA
Sample : I3200-11 5X
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ALS Vial : 23 Sample Multiplier: 1

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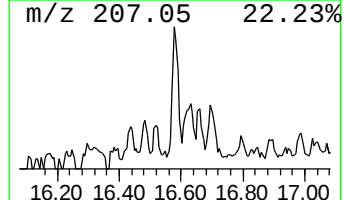
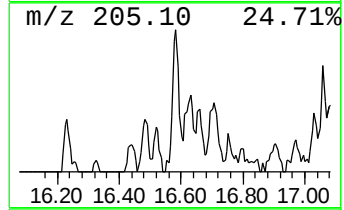
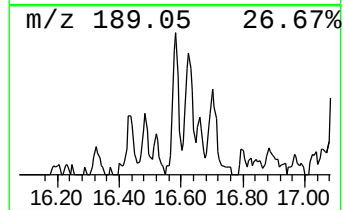
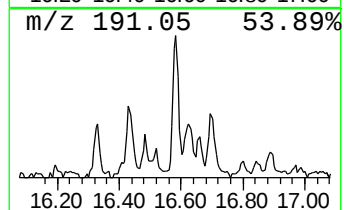
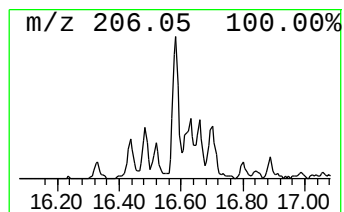
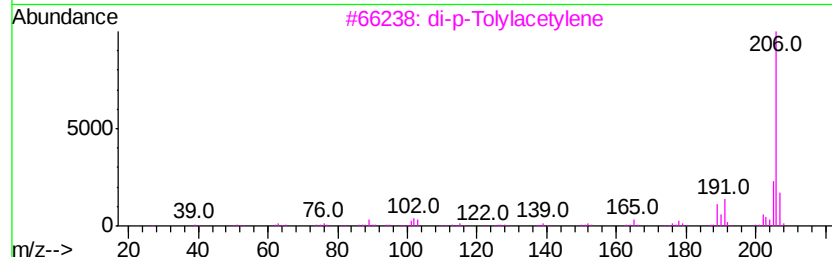
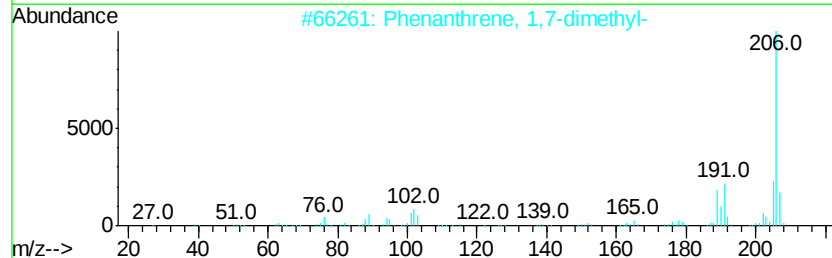
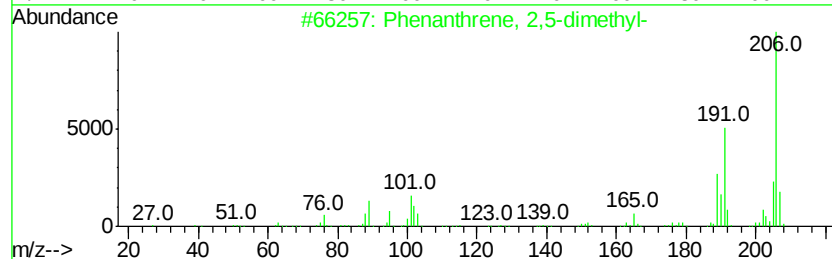
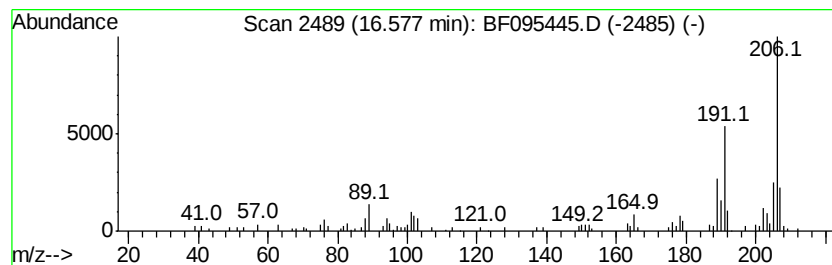
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.58	4.25 ng	122371	Phenanthrene-d10	15.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3		di-p-Tolylacetvlene	206	C16H14	002789-88-0	93
4		1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	91
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052517\
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Sample : I3200-11 5X
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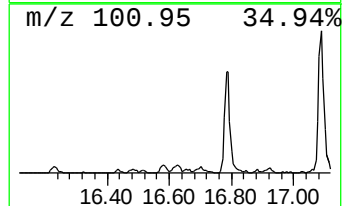
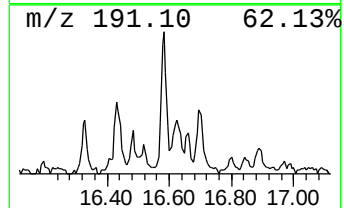
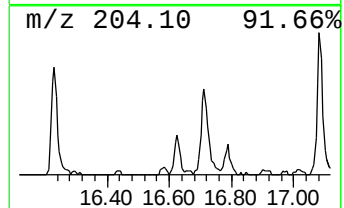
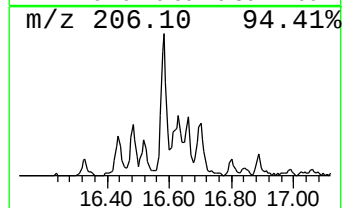
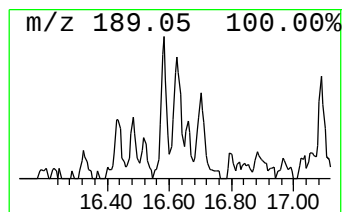
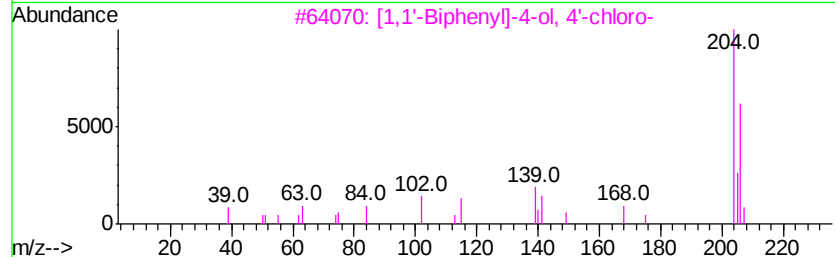
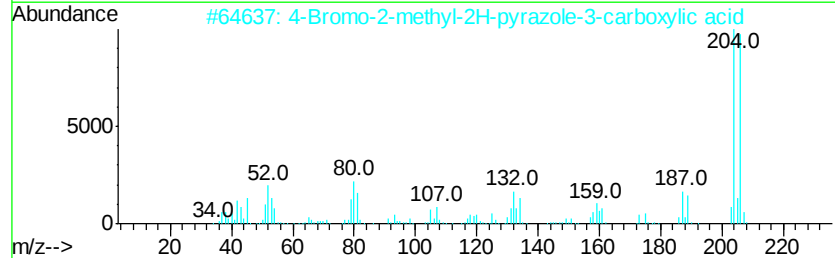
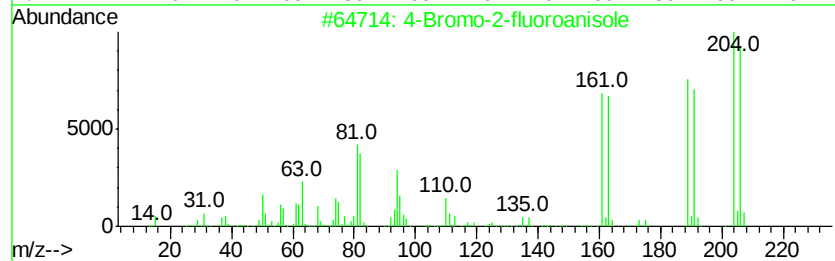
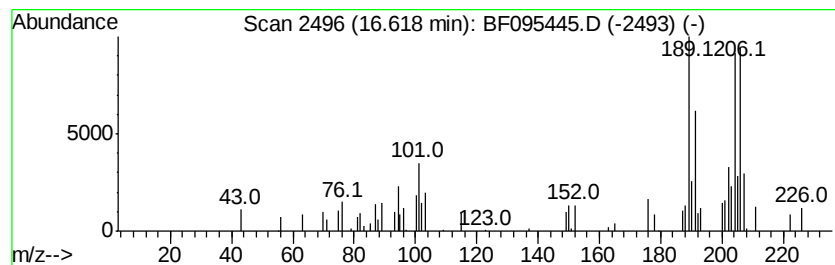
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown16.62 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.62	2.40 ng	69130	Phenanthrene-d10	15.01	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Bromo-2-fluoroanisole	204	C7H6BrFO	002357-52-0	47
2	4-Bromo-2-methyl-2H-pyrazole-3-c...	204	C5H5BrN2O2	1000300-50-8	35
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	35
4	2,10,10-Trimethyltricvclo[7.1.1...	204	C14H20O	1000210-81-9	35
5	Benzene, 1,3,5-tris(1-methylethyl)-	204	C15H24	000717-74-8	35



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
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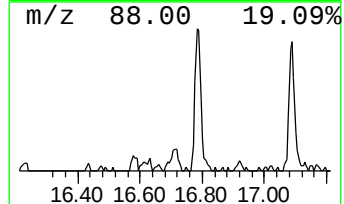
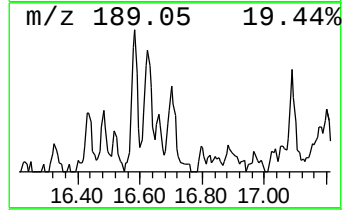
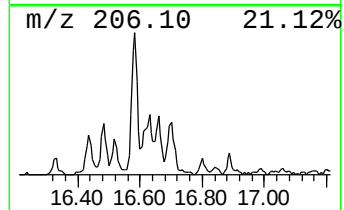
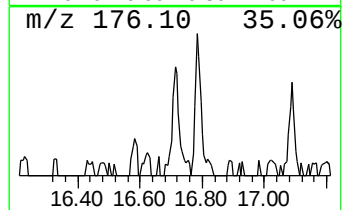
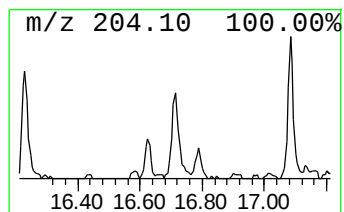
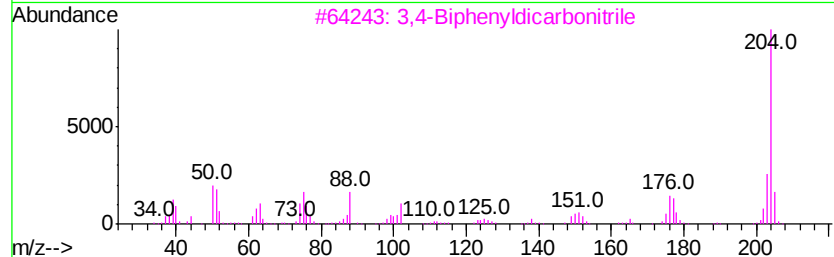
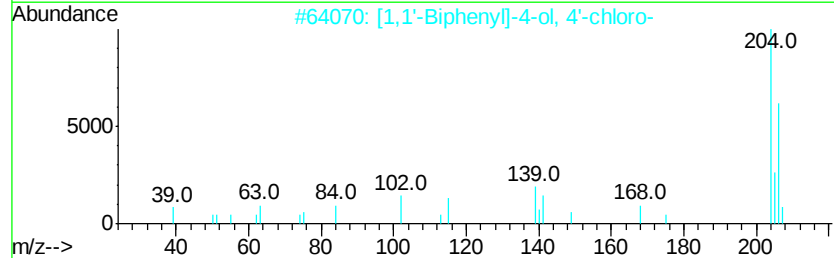
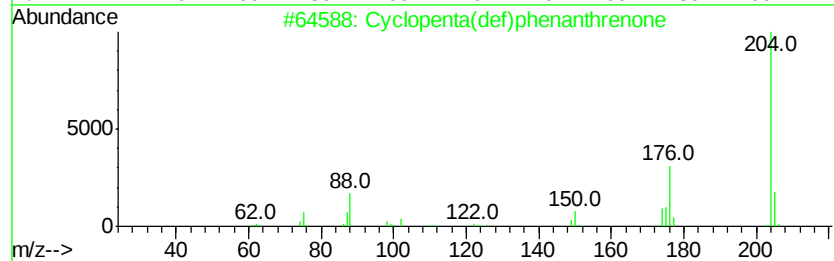
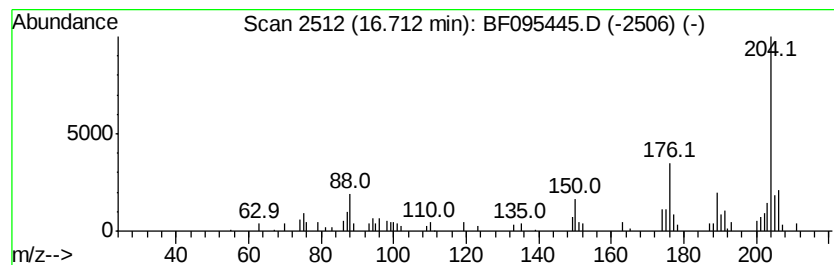
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.71	2.99 ng	86245	Phenanthrene-d10	15.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	50
2		[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46
3		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	43
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
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ALS Vial : 23 Sample Multiplier: 1

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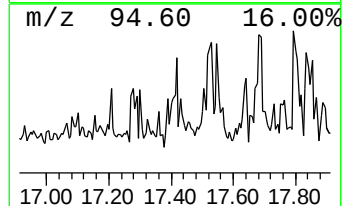
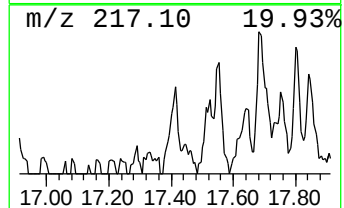
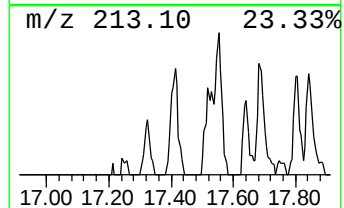
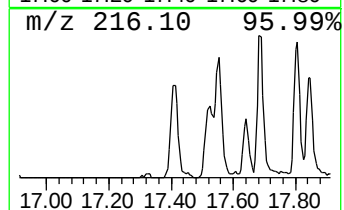
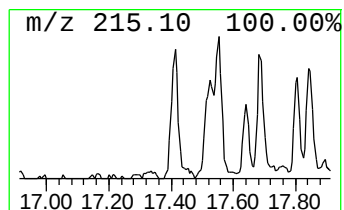
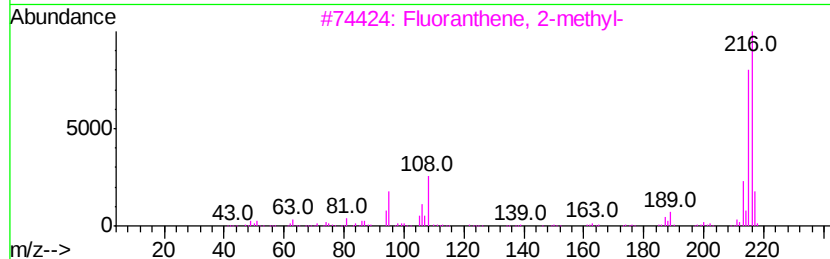
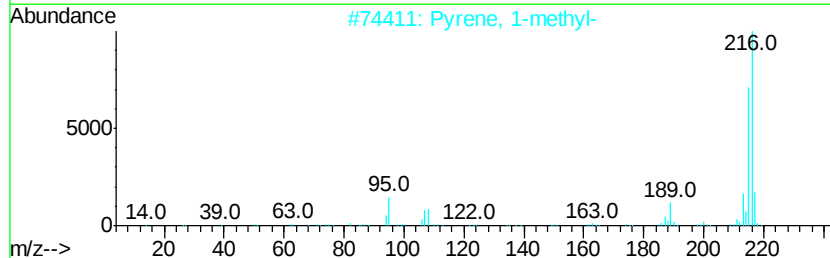
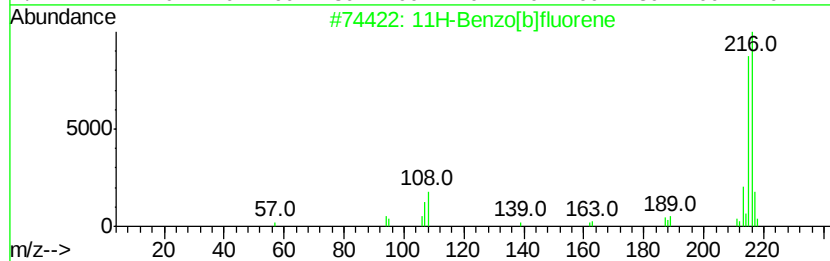
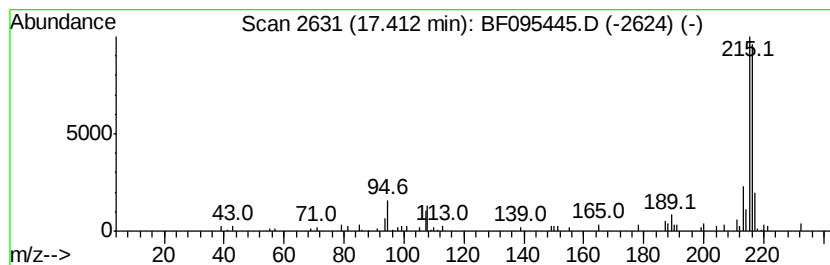
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.41	2.81 ng	121450	Chrysene-d12	18.68

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2			Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
Data File : BF095445.D
Acq On : 26 May 2017 2:49
Operator : SJ/MA
Sample : I3200-11 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POST-EX-41-20170517

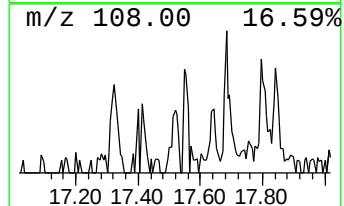
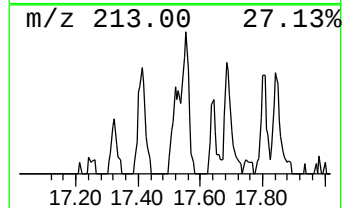
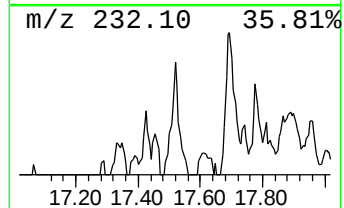
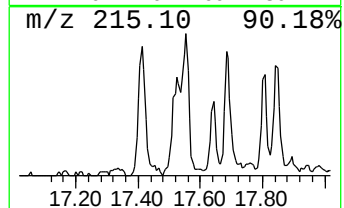
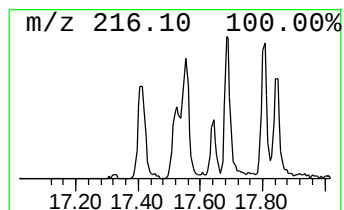
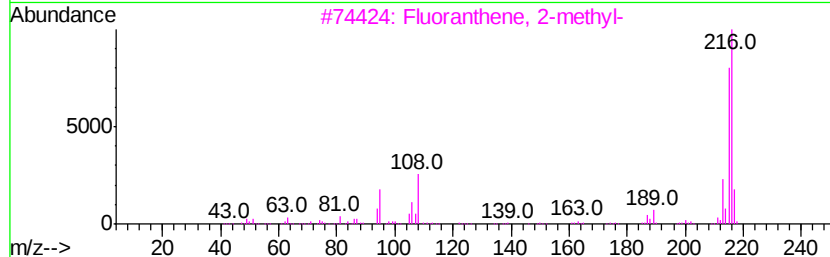
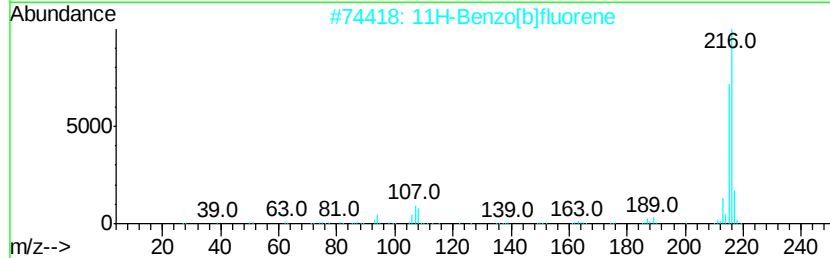
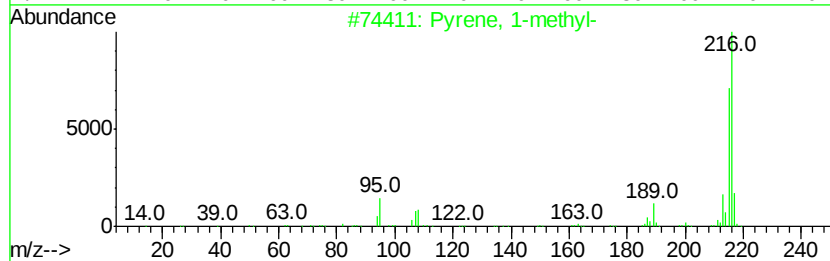
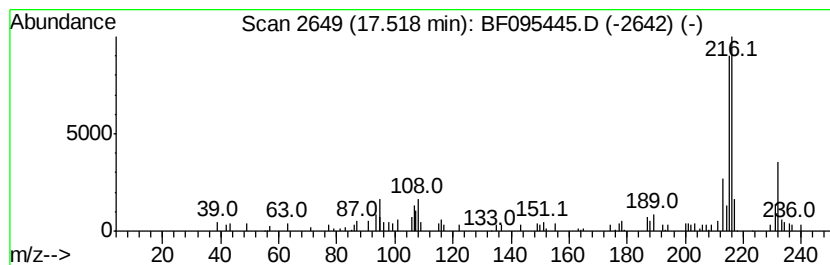
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.52	2.27 ng	98408	Chrysene-d12	18.68

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
3			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
4			Pyrene, 2-methyl-	216	C17H12	003442-78-2	60
5			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052517\
Data File : BF095445.D
Acq On : 26 May 2017 2:49
Operator : SJ/MA
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Instrument :
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ClientSampleId :
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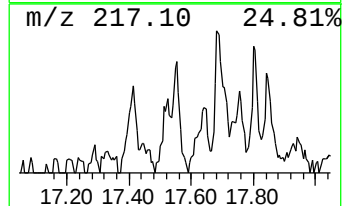
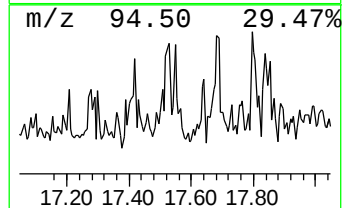
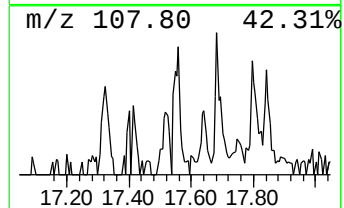
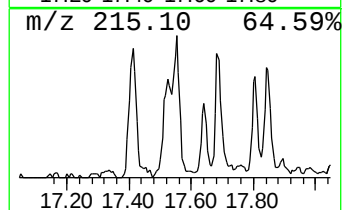
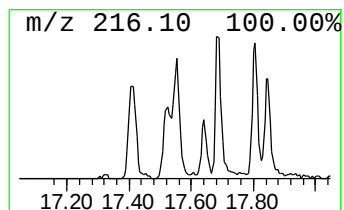
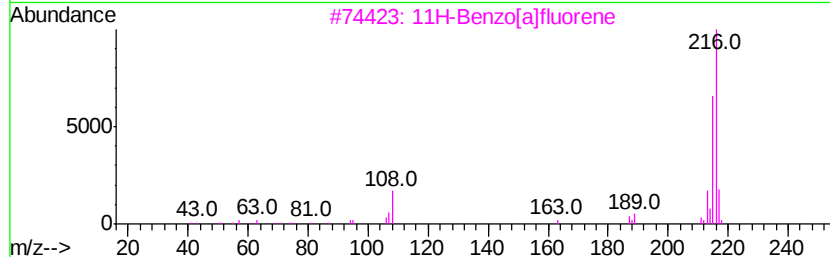
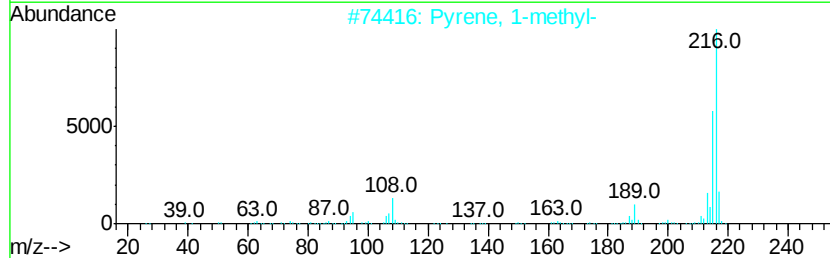
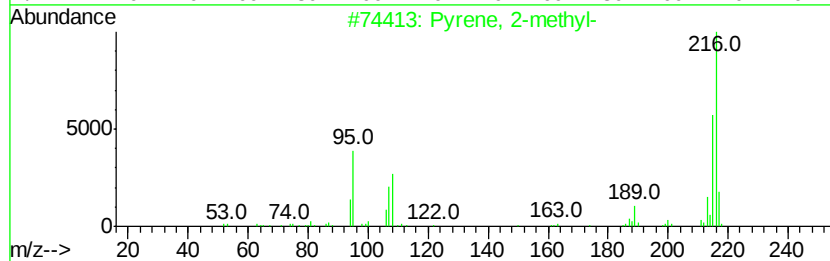
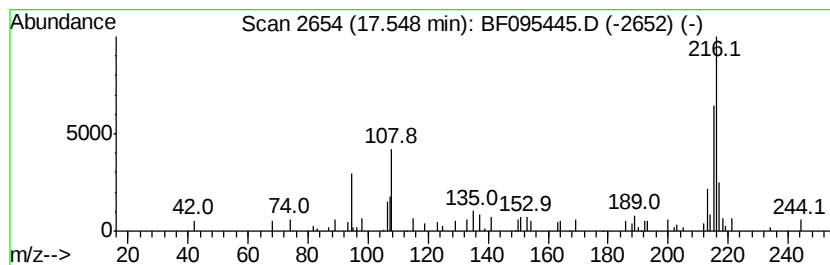
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Pyrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.55	2.23 ng	96397	Chrysene-d12	18.68

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
Data File : BF095445.D
Acq On : 26 May 2017 2:49
Operator : SJ/MA
Sample : I3200-11 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

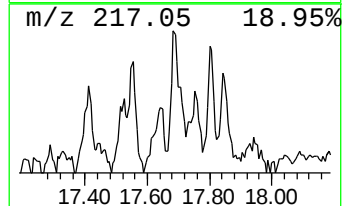
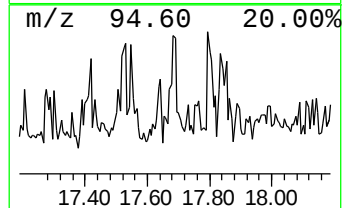
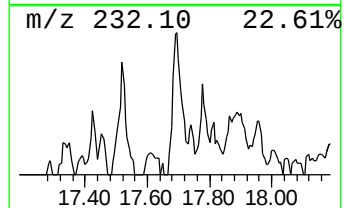
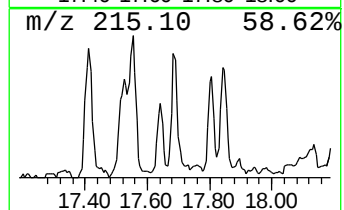
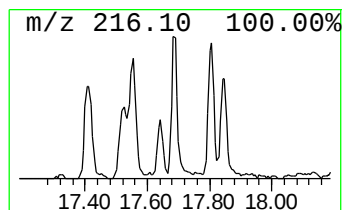
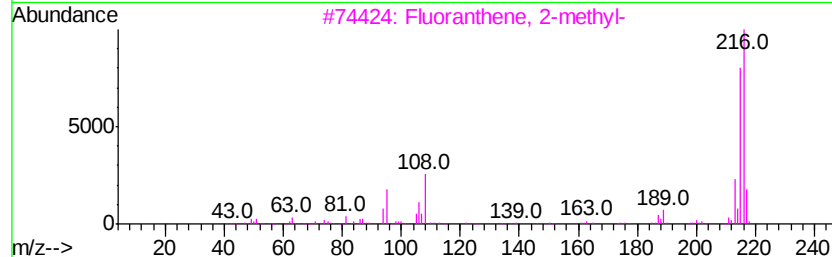
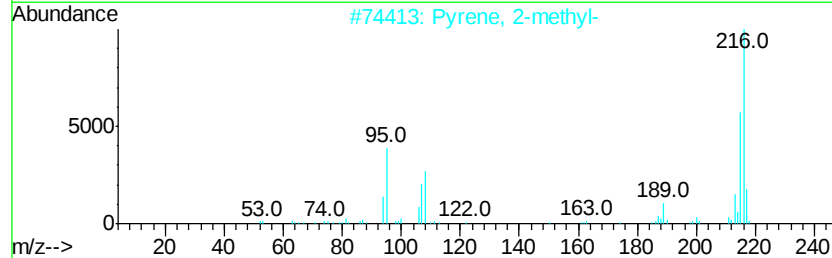
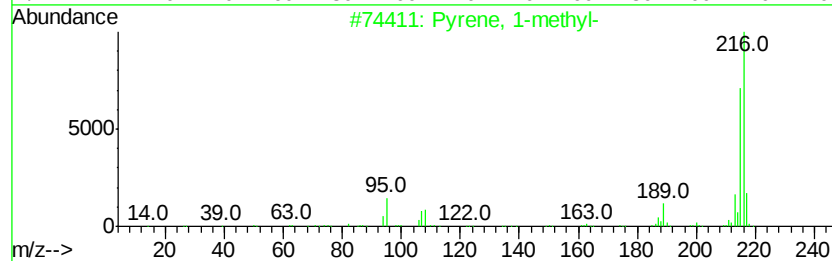
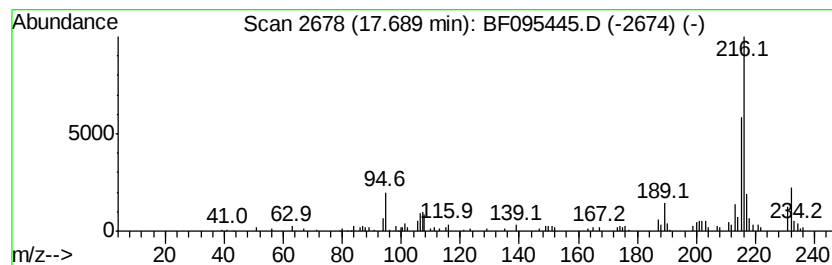
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ClientSampleId :
POST-EX-41-20170517

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

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

Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.69	3.52 ng	152258	Chrysene-d12	18.68	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	62
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	62



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
Data File : BF095445.D
Acq On : 26 May 2017 2:49
Operator : SJ/MA
Sample : I3200-11 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
POST-EX-41-20170517

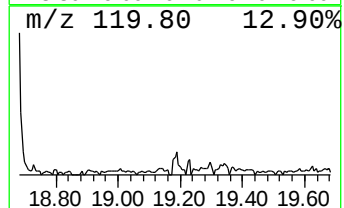
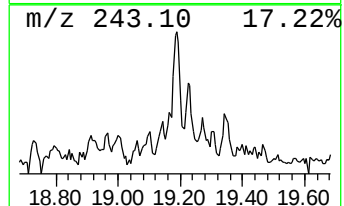
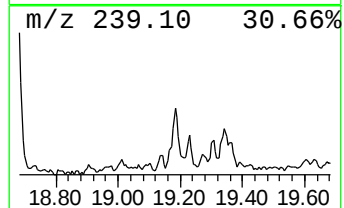
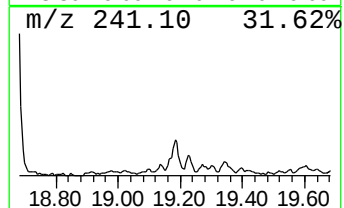
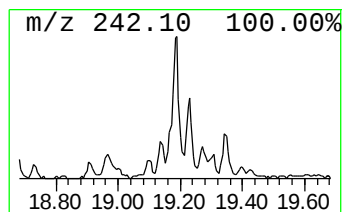
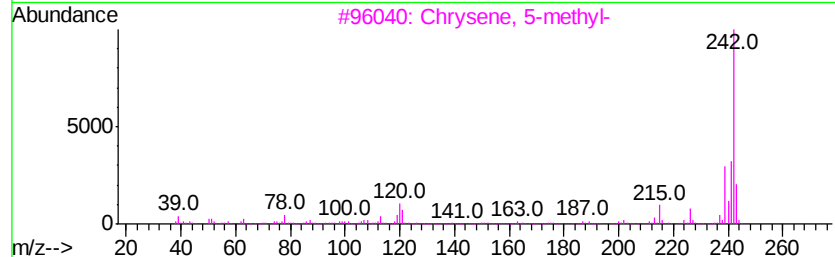
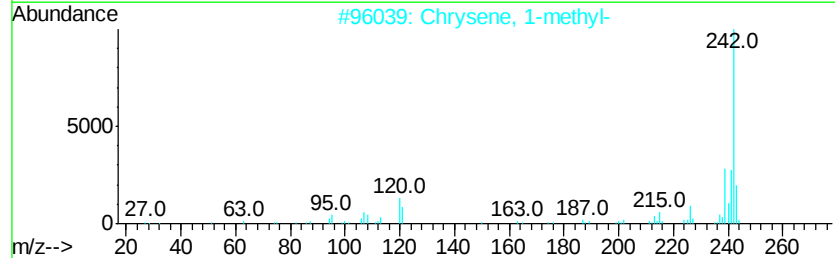
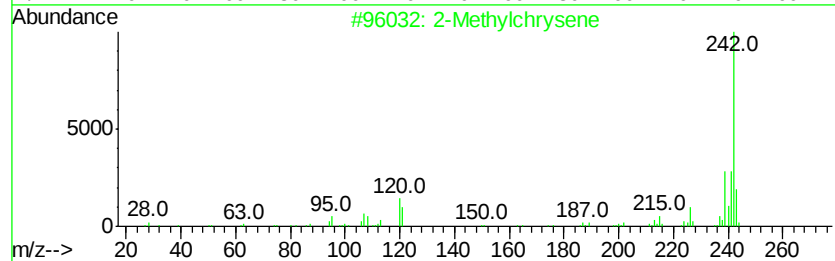
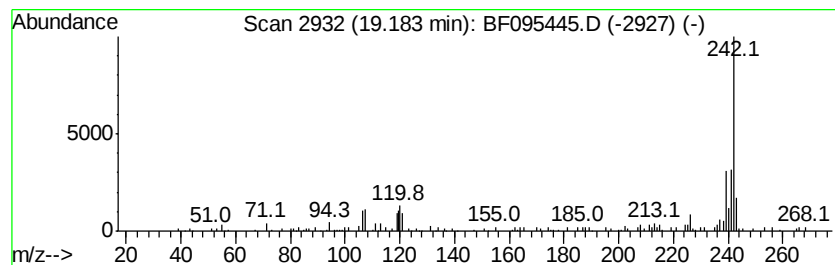
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 2-Methylchrysene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.18	2.69 ng	116561	Chrysene-d12	18.68

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Methylchrysene	242	C19H14	003351-32-4	89
2		Chrysene, 1-methyl-	242	C19H14	003351-28-8	89
3		Chrysene, 5-methyl-	242	C19H14	003697-24-3	86
4		Chrysene, 6-methyl-	242	C19H14	001705-85-7	83
5		Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052517\
Data File : BF095445.D
Acq On : 26 May 2017 2:49
Operator : SJ/MA
Sample : I3200-11 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
POST-EX-41-20170517

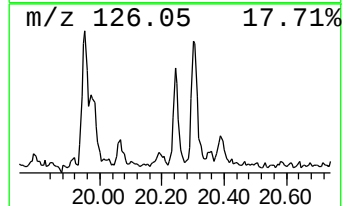
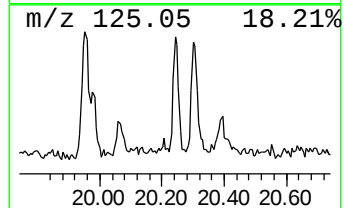
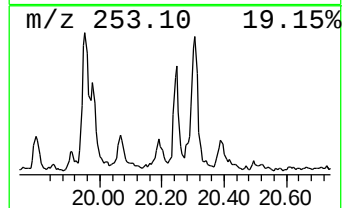
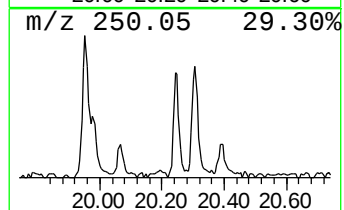
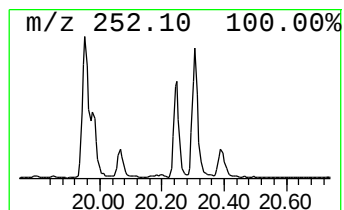
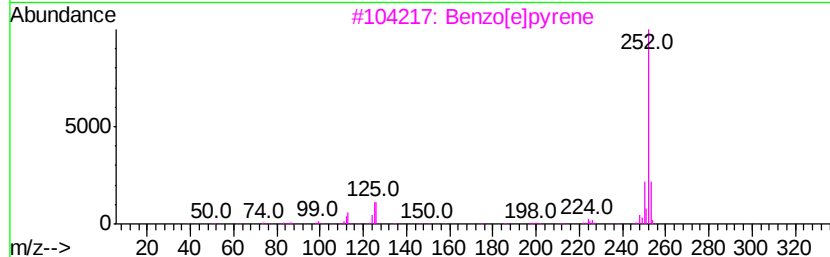
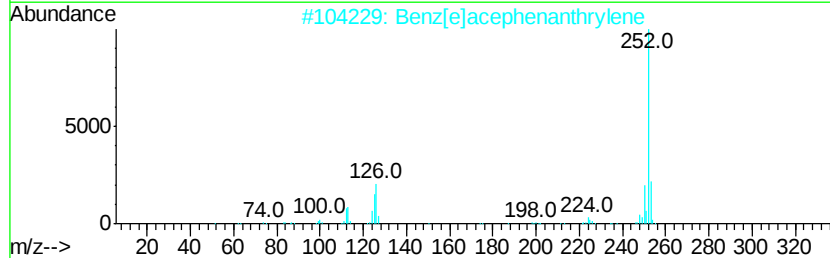
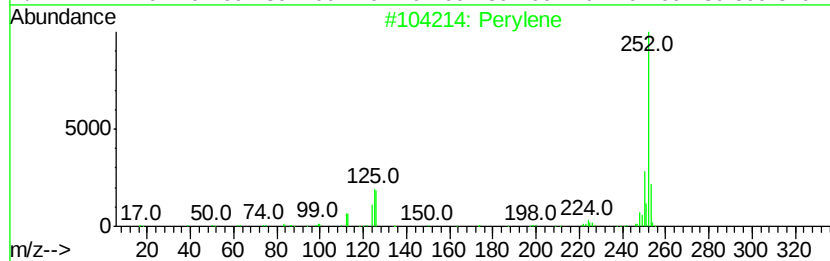
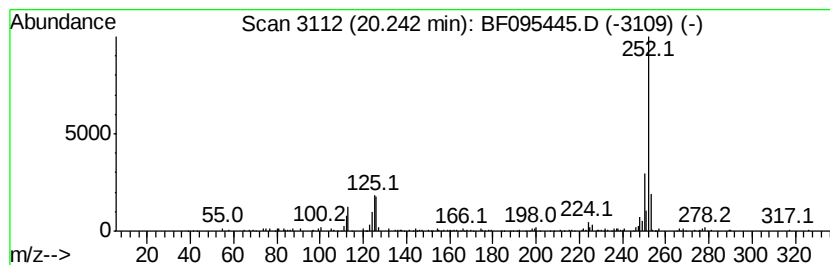
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.24	6.84 ng	133964	Perylene-d12	20.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	94
2		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3		Benzo[e]pyrene	252	C20H12	000192-97-2	93
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5		Benzo[a]pyrene	252	C20H12	000050-32-8	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052517\
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 Misc :
 ALS Vial : 23 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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Anthracene, 2-met...	15.79	3.6	ng	103334	4	15.01	576308	20.0
Anthracene, 1-met...	15.83	4.3	ng	123187	4	15.01	576308	20.0
Phenanthrene, 1-m...	15.94	5.5	ng	159043	4	15.01	576308	20.0
Anthracene, 9-met...	15.98	3.2	ng	90990	4	15.01	576308	20.0
9,10-Bis(bromomet...	16.23	2.1	ng	61681	4	15.01	576308	20.0
Phenanthrene, 2,5...	16.58	4.3	ng	122371	4	15.01	576308	20.0
unknown16.62	16.62	2.4	ng	69130	4	15.01	576308	20.0
Cyclopenta(def)ph...	16.71	3.0	ng	86245	4	15.01	576308	20.0
11H-Benzo[b]fluorene	17.41	2.8	ng	121450	5	18.68	865279	20.0
Pyrene, 1-methyl-	17.52	2.3	ng	98408	5	18.68	865279	20.0
Pyrene, 2-methyl-	17.55	2.2	ng	96397	5	18.68	865279	20.0
Fluoranthene, 2-m...	17.69	3.5	ng	152258	5	18.68	865279	20.0
2-Methylchrysene	19.18	2.7	ng	116561	5	18.68	865279	20.0
Perylene	20.24	6.8	ng	133964	6	20.36	391425	20.0