

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
 Data File : BF096096.D
 Acq On : 21 Jun 2017 21:28
 Operator : SJ/MA
 Sample : I3792-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-061917

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-BF060517.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	1.557	9	12	37	rBV	1070693	2327576	56.99%	5.762%
2	5.234	634	637	652	rBV2	39694	144233	3.53%	0.357%
3	6.928	921	925	931	rBV2	45128	116775	2.86%	0.289%
4	6.981	931	934	941	rVV	102428	210148	5.15%	0.520%
5	7.292	983	987	999	rBV	296842	421661	10.32%	1.044%
6	7.533	1023	1028	1046	rBV	151418	251394	6.16%	0.622%
7	8.245	1145	1149	1160	rBV2	39646	117666	2.88%	0.291%
8	9.327	1328	1333	1356	rBV	421115	674188	16.51%	1.669%
9	11.104	1631	1635	1646	rBV	292838	380479	9.32%	0.942%
10	11.627	1719	1724	1728	rBV	66156	89140	2.18%	0.221%
11	11.810	1750	1755	1765	rBV4	32738	75485	1.85%	0.187%
12	12.145	1807	1812	1816	rBV2	508115	615268	15.07%	1.523%
13	12.192	1816	1820	1830	rVB	179368	288948	7.08%	0.715%
14	12.492	1866	1871	1874	rBV	75159	107790	2.64%	0.267%
15	13.039	1960	1964	1973	rVB	221343	288060	7.05%	0.713%
16	13.127	1973	1979	1981	rBV3	47812	72567	1.78%	0.180%
17	13.315	2007	2011	2015	rBV	75605	109373	2.68%	0.271%
18	13.457	2028	2035	2041	rBV3	131758	286877	7.02%	0.710%
19	13.786	2083	2091	2095	rBV3	44953	81751	2.00%	0.202%
20	13.939	2110	2117	2120	rBV	79745	138751	3.40%	0.343%
21	13.980	2121	2124	2130	rVV2	52445	92043	2.25%	0.228%
22	14.062	2132	2138	2144	rVB4	36702	86983	2.13%	0.215%
23	14.162	2151	2155	2159	rBV4	72405	107717	2.64%	0.267%
24	14.339	2178	2185	2187	rVV2	68235	107486	2.63%	0.266%
25	14.368	2187	2190	2195	rVV	90954	122474	3.00%	0.303%
26	14.539	2215	2219	2222	rBV	412301	526712	12.90%	1.304%
27	14.580	2222	2226	2235	rVB	1469186	1842413	45.11%	4.561%
28	14.662	2235	2240	2250	rVB	534927	731519	17.91%	1.811%
29	14.768	2252	2258	2262	rBV2	49748	81704	2.00%	0.202%
30	15.004	2292	2298	2301	rVV2	42431	106979	2.62%	0.265%
31	15.039	2301	2304	2308	rVV	71416	82013	2.01%	0.203%
32	15.345	2352	2356	2360	rBV	285615	327062	8.01%	0.810%
33	15.392	2360	2364	2369	rVV	362881	451594	11.06%	1.118%
34	15.462	2372	2376	2378	rVV	215014	243455	5.96%	0.603%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.498	2378	2382	2386	rVV2	455586	681433	16.69%	1.687%
36	15.539	2387	2389	2401	rVB	188111	257796	6.31%	0.638%
37	15.798	2429	2433	2443	rVB	237822	335316	8.21%	0.830%
38	15.874	2443	2446	2449	rBV	78065	104300	2.55%	0.258%
39	16.015	2465	2470	2474	rBV3	68834	103745	2.54%	0.257%
40	16.062	2474	2478	2482	rBV	88557	118443	2.90%	0.293%
41	16.162	2491	2495	2498	rBV	211193	257080	6.29%	0.636%
42	16.203	2498	2502	2507	rVV3	112327	199650	4.89%	0.494%
43	16.292	2512	2517	2523	rVB2	168894	254289	6.23%	0.629%
44	16.380	2524	2532	2535	rBV	2593044	3989884	97.70%	9.877%
45	16.409	2535	2537	2543	rVB2	93713	136478	3.34%	0.338%
46	16.474	2543	2548	2551	rBV2	120833	183932	4.50%	0.455%
47	16.562	2559	2563	2566	rBV	147894	185063	4.53%	0.458%
48	16.680	2576	2583	2587	rVV2	2631023	4083927	100.00%	10.109%
49	16.762	2592	2597	2600	rVV2	142064	185201	4.53%	0.458%
50	16.798	2600	2603	2607	rVB	66438	82725	2.03%	0.205%
51	16.862	2611	2614	2618	rBV	221282	246710	6.04%	0.611%
52	16.921	2619	2624	2630	rVB	443958	522125	12.78%	1.292%
53	16.974	2630	2633	2634	rBV	84506	90327	2.21%	0.224%
54	16.998	2634	2637	2641	rVB2	192614	258376	6.33%	0.640%
55	17.109	2649	2656	2658	rBV3	209418	338619	8.29%	0.838%
56	17.139	2658	2661	2666	rVB	468013	637477	15.61%	1.578%
57	17.227	2672	2676	2680	rVB	369967	397723	9.74%	0.985%
58	17.274	2680	2684	2691	rBV2	424676	661437	16.20%	1.637%
59	17.386	2698	2703	2707	rBV2	163294	251861	6.17%	0.623%
60	17.433	2707	2711	2716	rVV	130682	203518	4.98%	0.504%
61	17.474	2716	2718	2723	rVV2	66887	103344	2.53%	0.256%
62	17.580	2732	2736	2739	rVB4	63391	78523	1.92%	0.194%
63	17.662	2744	2750	2752	rBV6	63530	115211	2.82%	0.285%
64	17.786	2767	2771	2775	rBV5	73492	125922	3.08%	0.312%
65	17.833	2776	2779	2787	rVB	178100	278824	6.83%	0.690%
66	17.945	2794	2798	2800	rBV2	171223	216962	5.31%	0.537%
67	17.974	2800	2803	2806	rVB	361557	354543	8.68%	0.878%
68	18.009	2806	2809	2812	rBV	166321	179280	4.39%	0.444%
69	18.044	2812	2815	2821	rVB	178586	208366	5.10%	0.516%
70	18.115	2824	2827	2831	rVB	214428	217165	5.32%	0.538%
71	18.168	2833	2836	2840	rBV	61124	72808	1.78%	0.180%

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72	18.268	2847	2853	2857	rBV2	1585127	2519774	61.70%	6.237%
73	18.309	2857	2860	2865	rVB	1186358	1364459	33.41%	3.378%
74	18.397	2871	2875	2880	rVB	326221	346647	8.49%	0.858%
75	18.503	2886	2893	2897	rBV7	78615	214570	5.25%	0.531%
76	18.550	2897	2901	2906	rVV2	180488	248401	6.08%	0.615%
77	18.597	2906	2909	2916	rVB3	138719	176867	4.33%	0.438%
78	18.733	2928	2932	2934	rBV	60815	77744	1.90%	0.192%
79	18.780	2934	2940	2943	rVV	319067	444021	10.87%	1.099%
80	18.815	2943	2946	2950	rVB3	182517	219153	5.37%	0.542%
81	18.892	2950	2959	2962	rBV3	173988	332492	8.14%	0.823%
82	18.927	2962	2965	2968	rBV3	102528	119030	2.91%	0.295%
83	19.027	2979	2982	2985	rVB	75105	85351	2.09%	0.211%
84	19.215	3012	3014	3019	rVB	98010	107260	2.63%	0.266%
85	19.386	3039	3043	3048	rBV4	80386	135107	3.31%	0.334%
86	19.497	3059	3062	3065	rBV	66419	73519	1.80%	0.182%
87	19.544	3065	3070	3073	rVV	918164	1363054	33.38%	3.374%
88	19.568	3073	3074	3080	rVV	478844	427654	10.47%	1.059%
89	19.650	3085	3088	3093	rVV	184270	194198	4.76%	0.481%
90	19.762	3101	3107	3109	rBV2	65443	142790	3.50%	0.353%
91	19.833	3115	3119	3122	rBV	516478	534941	13.10%	1.324%
92	19.891	3125	3129	3135	rVV	776681	833957	20.42%	2.064%
93	19.944	3135	3138	3141	rBV	266646	289838	7.10%	0.717%
94	19.974	3141	3143	3147	rVB	141254	140579	3.44%	0.348%
95	20.109	3163	3166	3169	rBV3	60123	69921	1.71%	0.173%
96	20.827	3285	3288	3292	rBV5	60737	105374	2.58%	0.261%
97	21.103	3331	3335	3343	rVB	380232	578551	14.17%	1.432%
98	21.274	3362	3364	3370	rVB2	102726	159495	3.91%	0.395%
99	21.433	3387	3391	3398	rVB	310741	535899	13.12%	1.327%
100	21.633	3421	3425	3433	rVB	76739	130380	3.19%	0.323%

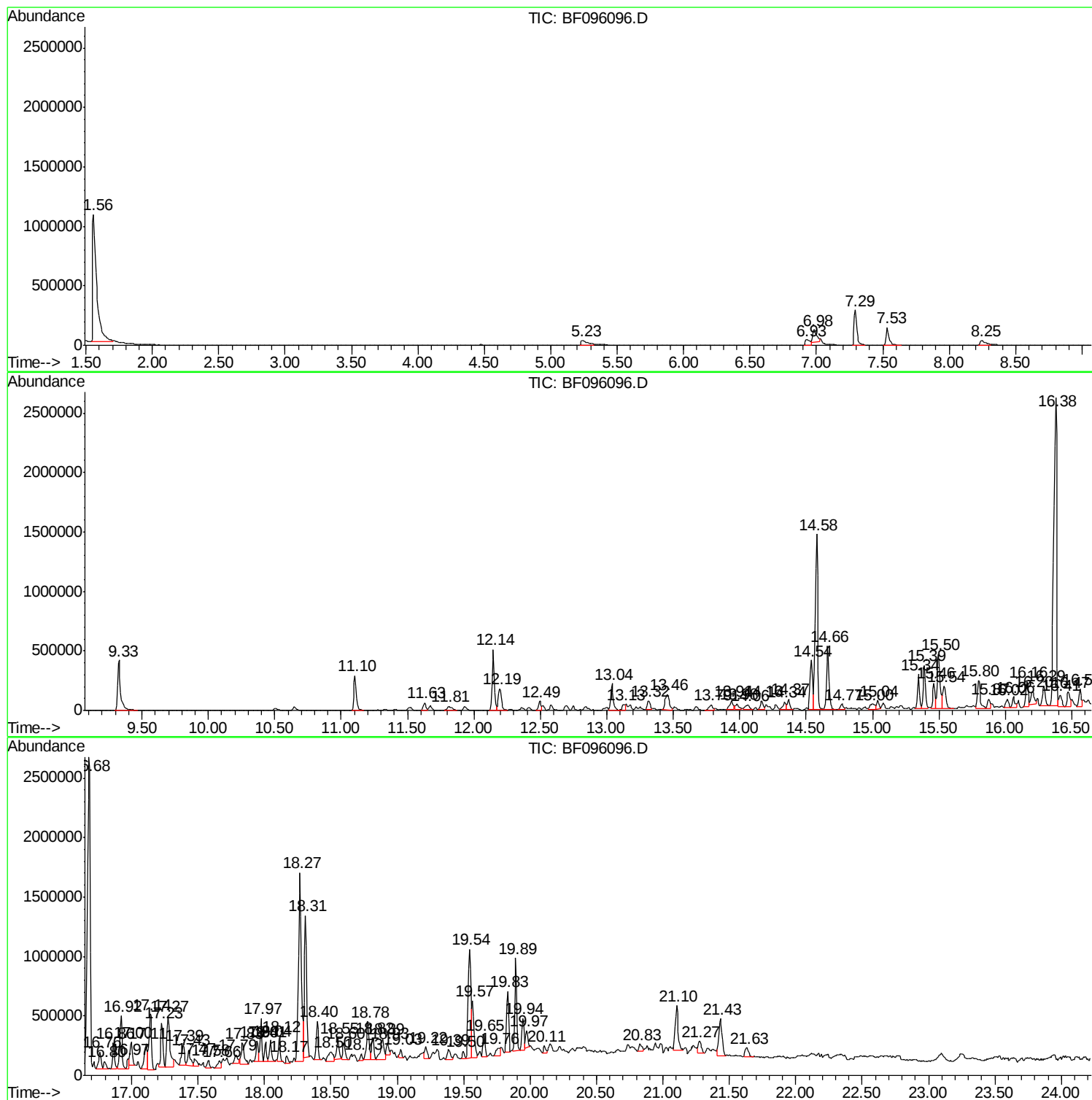
Sum of corrected areas: 40397693

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.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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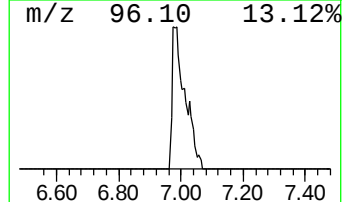
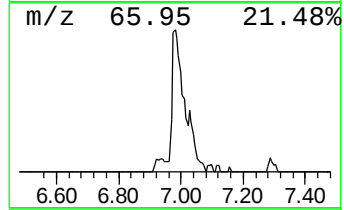
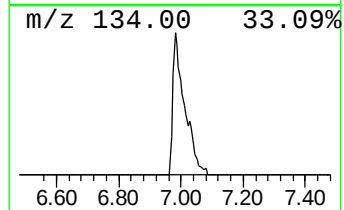
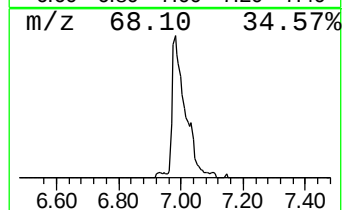
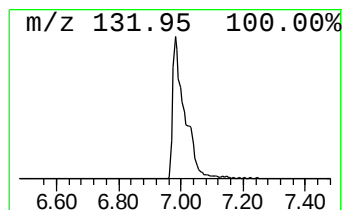
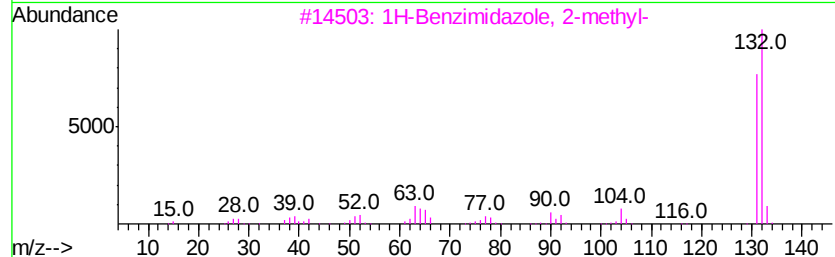
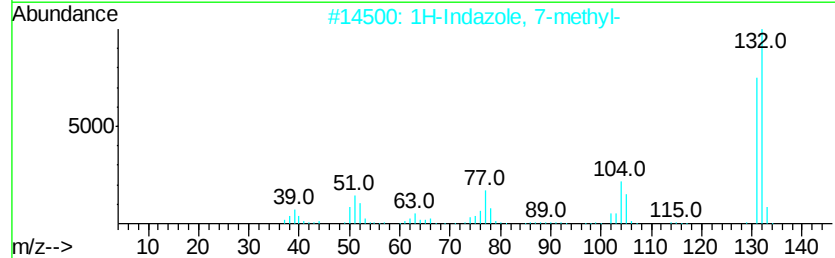
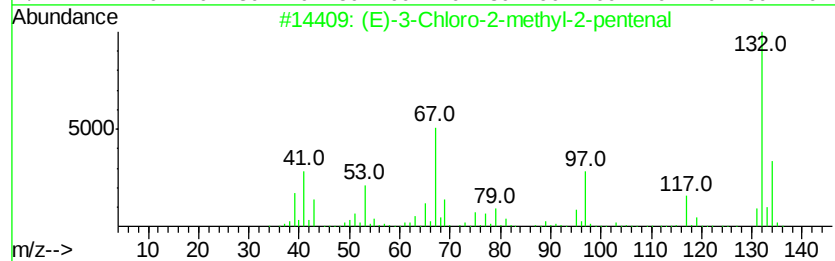
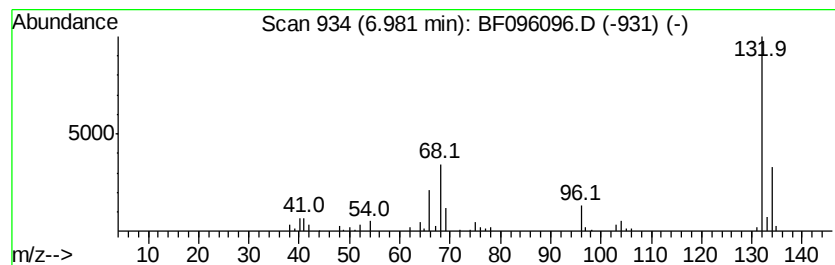
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.98 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.98	9.97 ng	210148	1,4-Dichlorobenzene-d4	7.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2		1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	10
3		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
4		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



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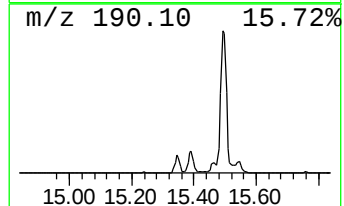
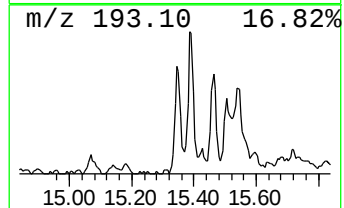
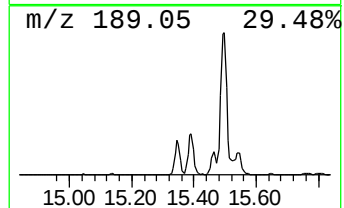
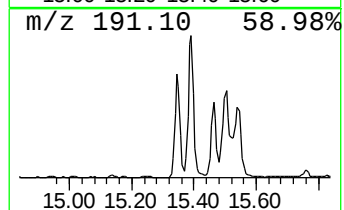
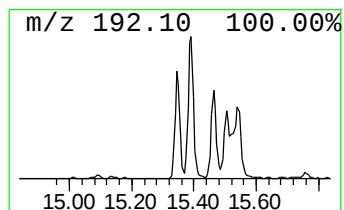
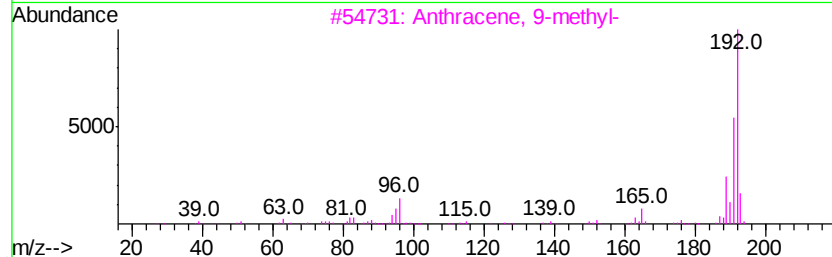
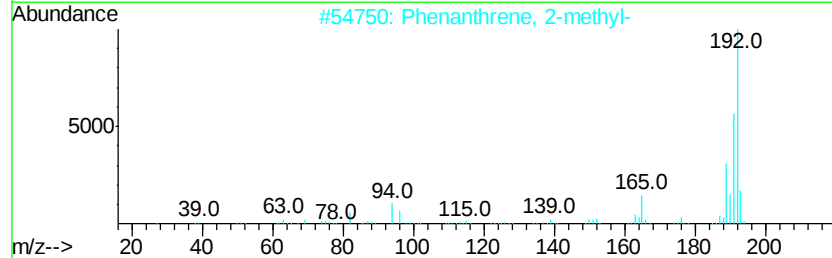
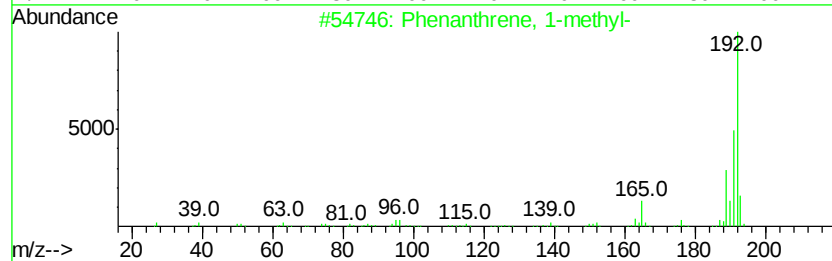
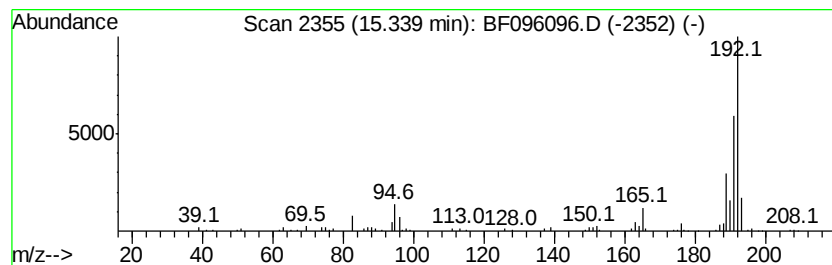
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.34	12.42 ng	327062	Phenanthrene-d10	14.54	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90



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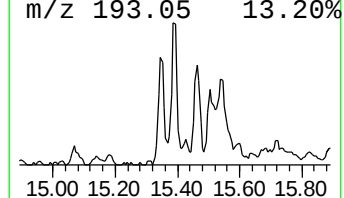
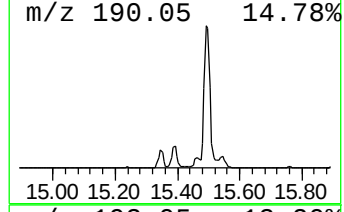
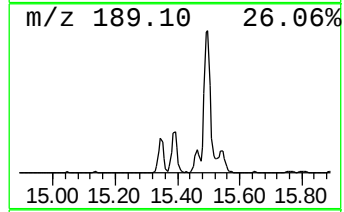
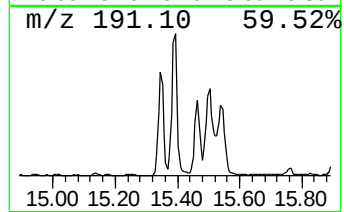
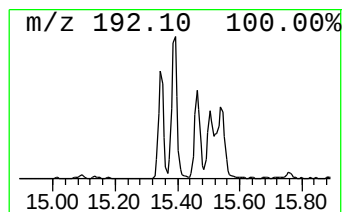
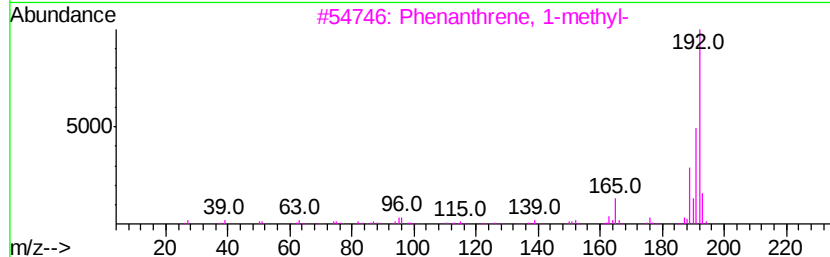
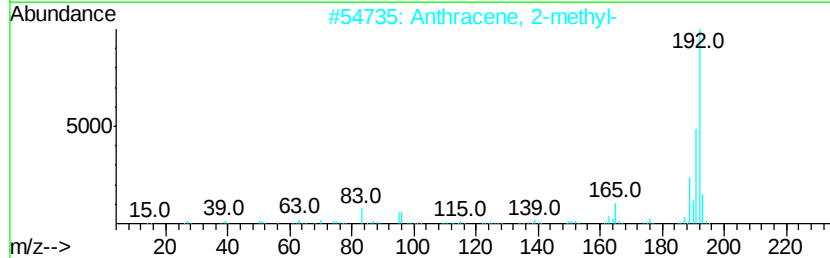
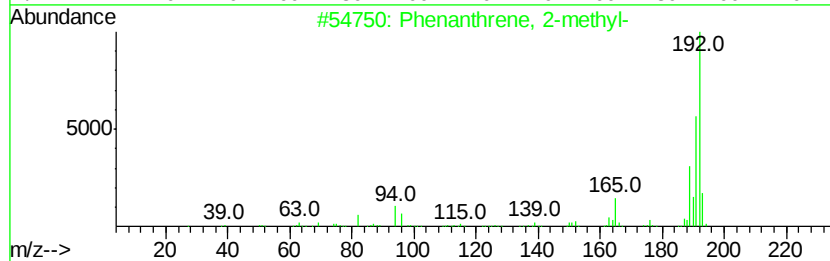
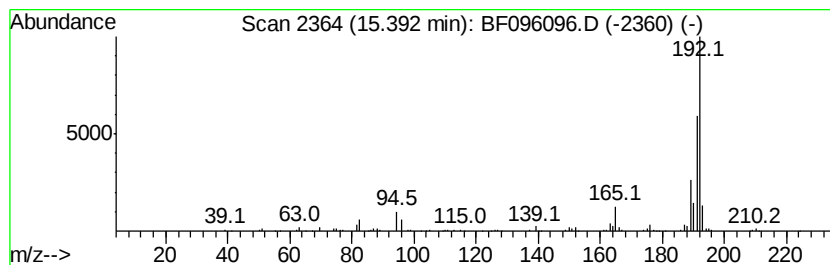
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	17.15 ng	451594	Phenanthrene-d10	14.54

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-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95



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Data File : BF096096.D
Acq On : 21 Jun 2017 21:28
Operator : SJ/MA
Sample : I3792-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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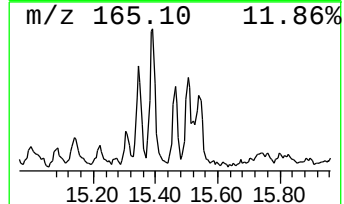
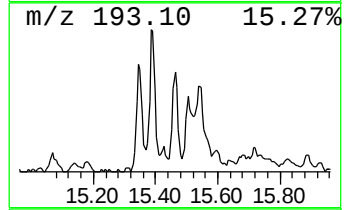
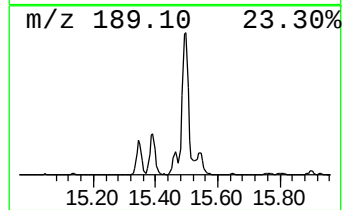
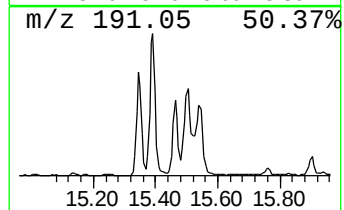
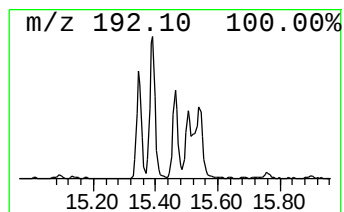
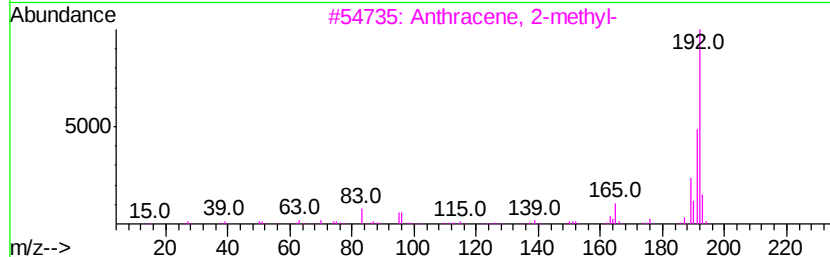
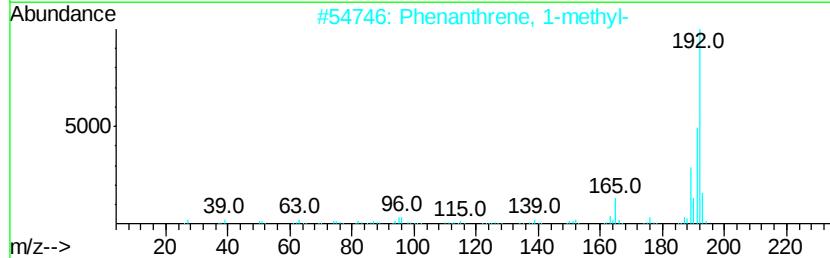
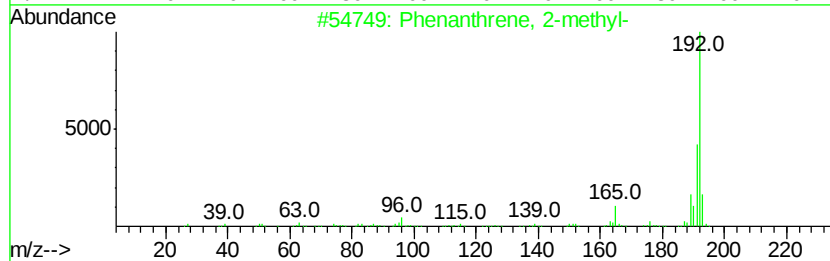
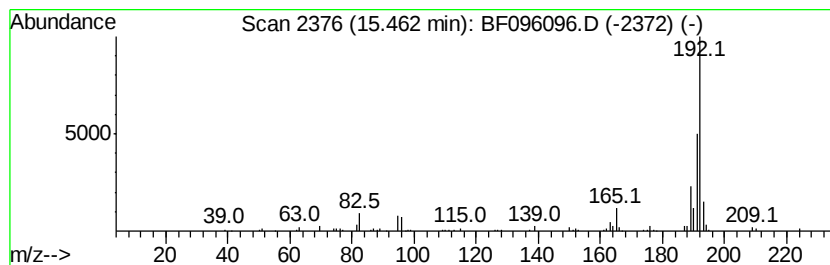
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Anthracene, 9-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.46	9.24 ng	243455	Phenanthrene-d10	14.54

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	94



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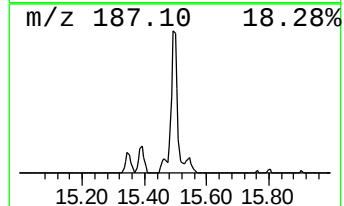
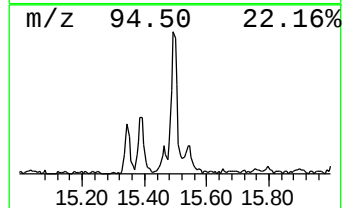
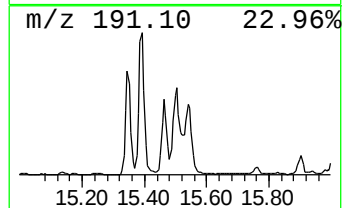
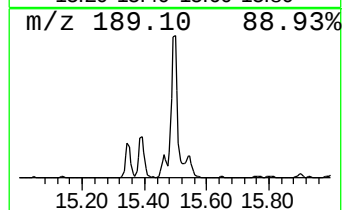
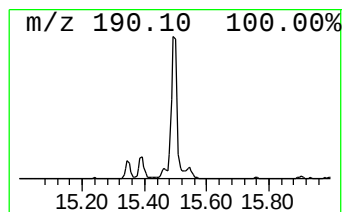
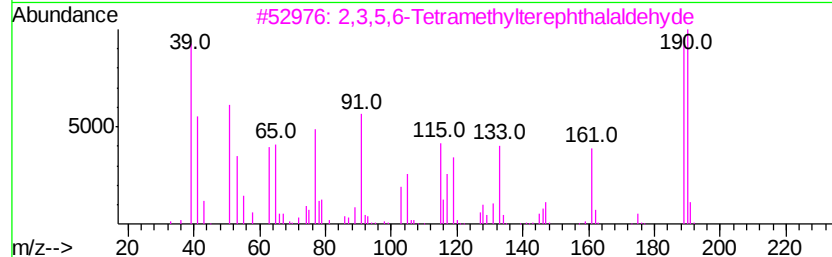
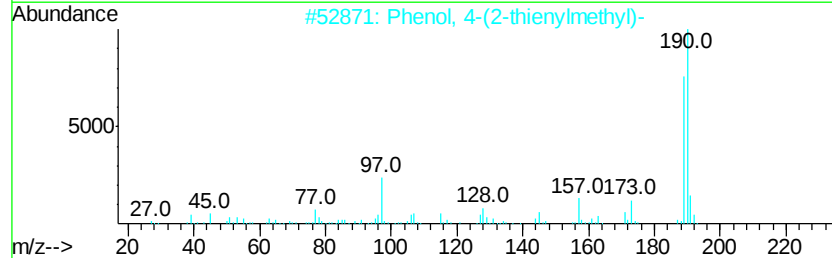
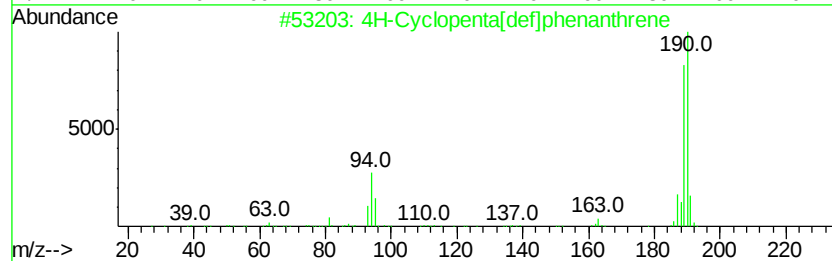
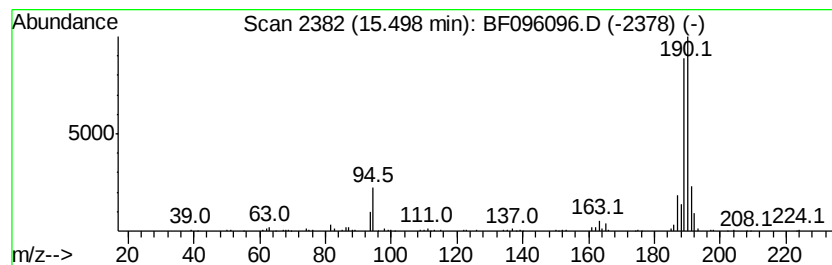
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.50	25.88 ng	681433	Phenanthrene-d10	14.54		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2		Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	72
3		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	53
4		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	50
5		1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062117\
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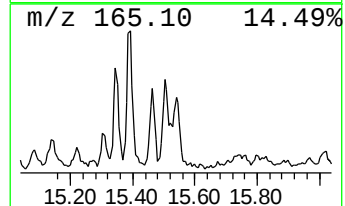
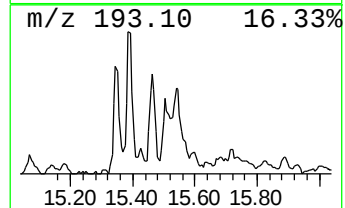
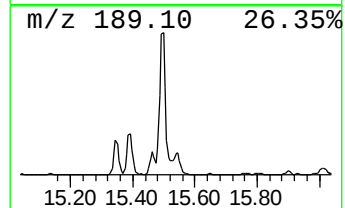
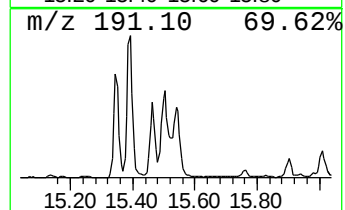
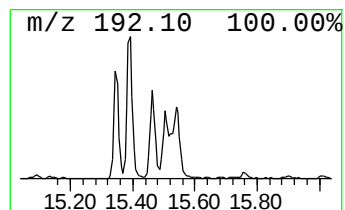
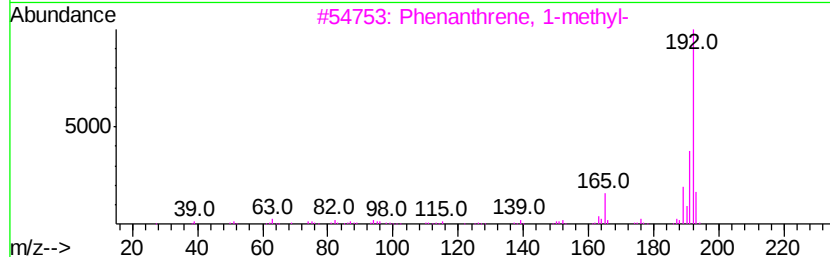
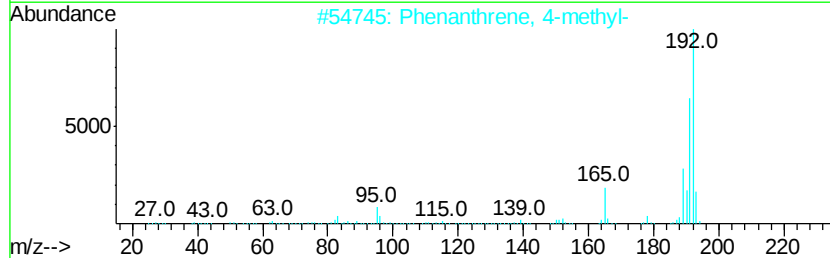
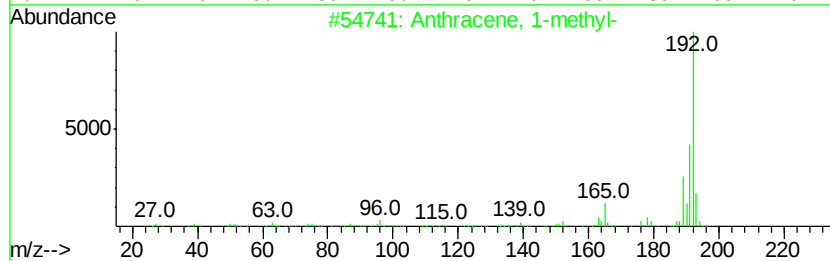
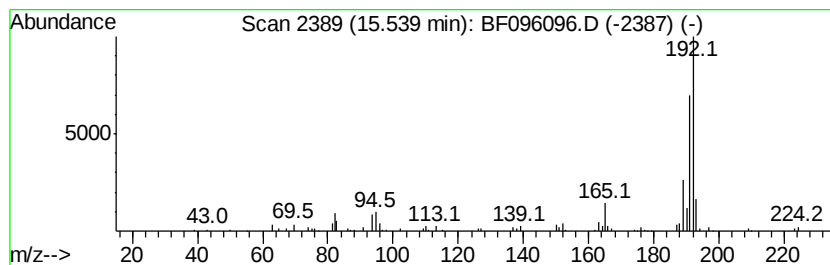
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Anthracene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	9.79 ng	257796	Phenanthrene-d10	14.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
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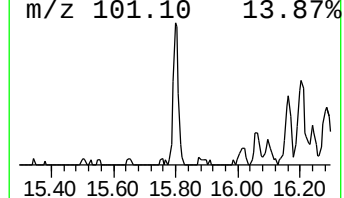
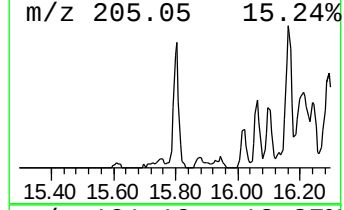
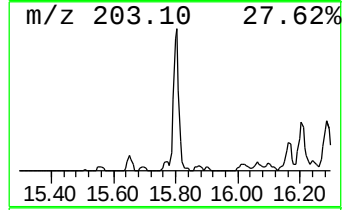
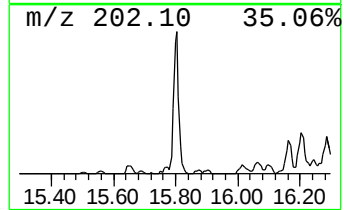
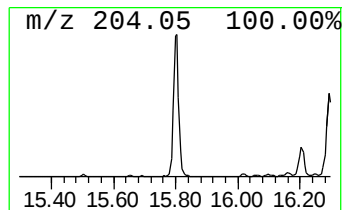
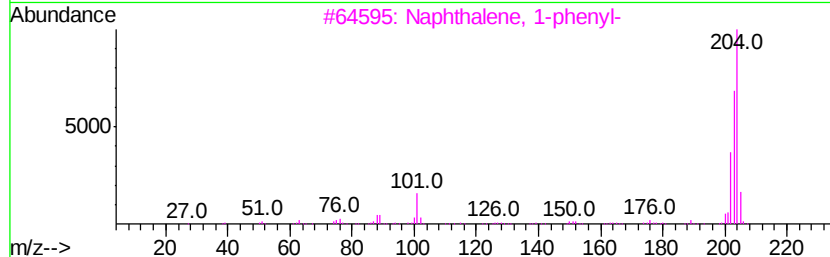
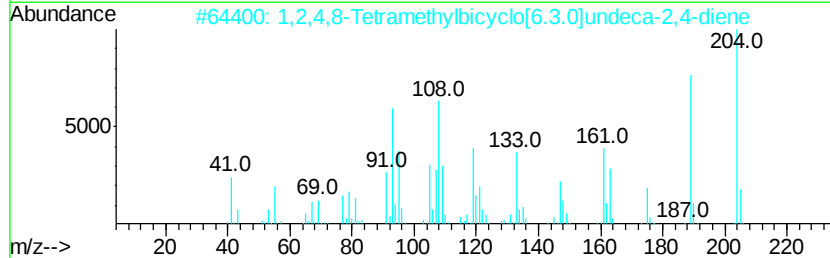
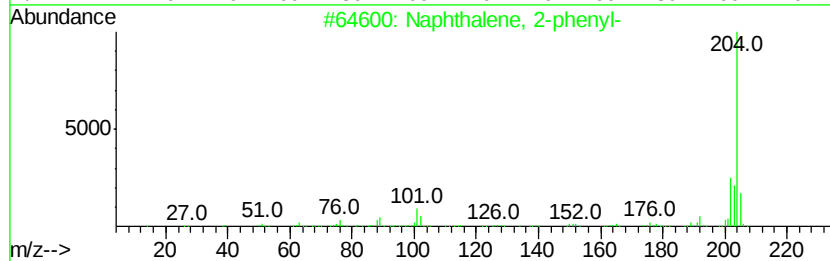
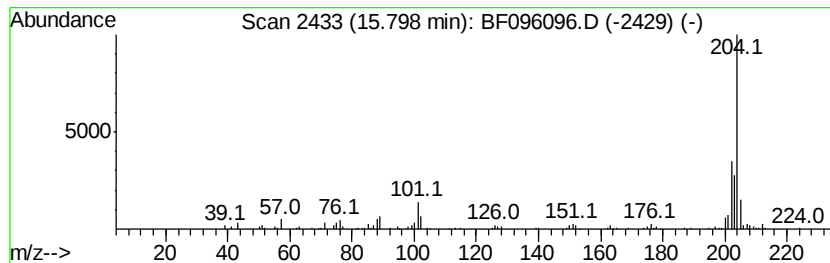
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	12.73 ng	335316	Phenanthrene-d10	14.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	90
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2,4,6,8-tetraene	204	C16H12	006572-60-7	72
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
Data File : BF096096.D
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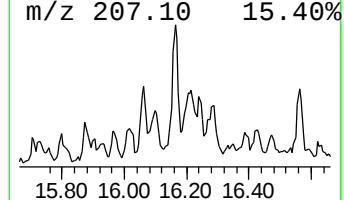
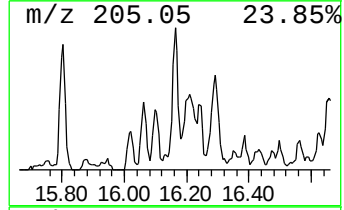
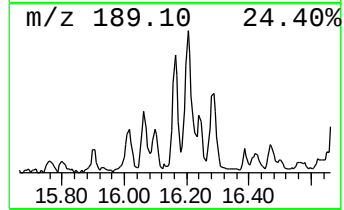
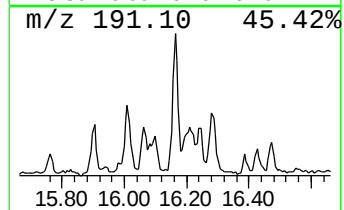
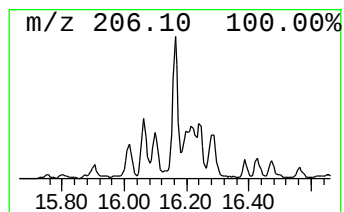
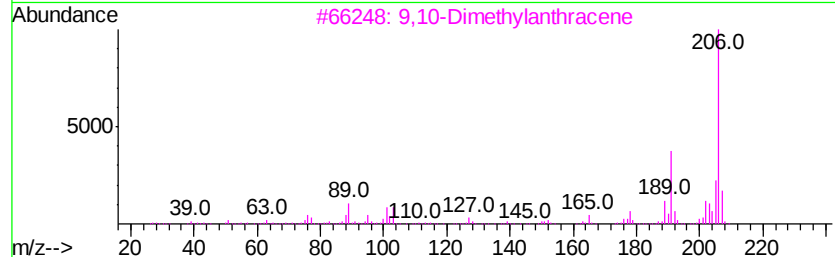
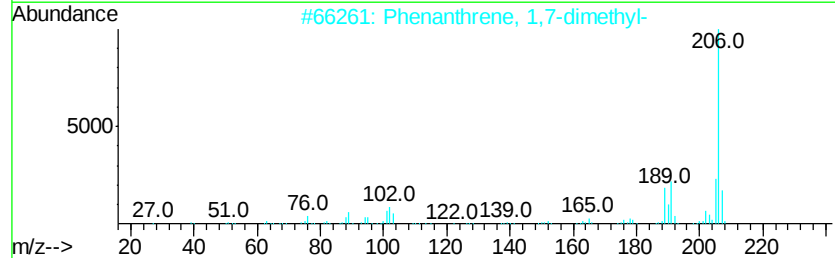
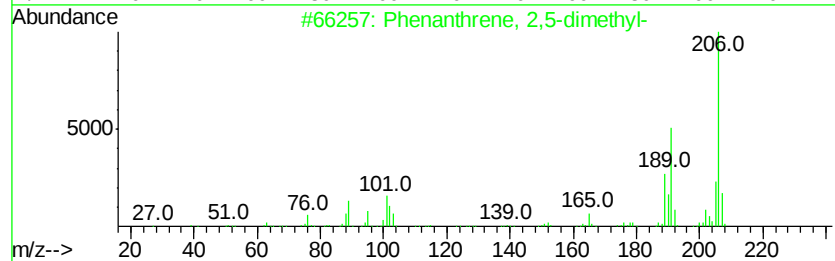
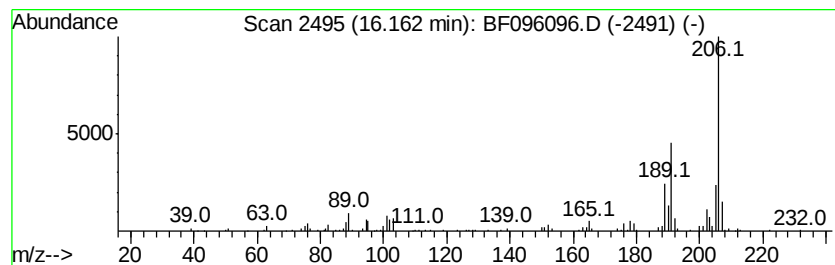
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	9.76 ng	257080	Phenanthrene-d10	14.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
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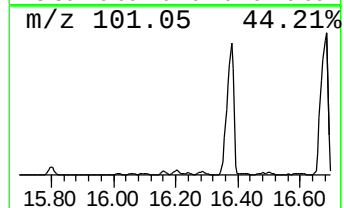
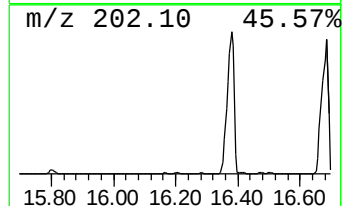
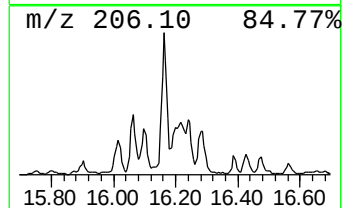
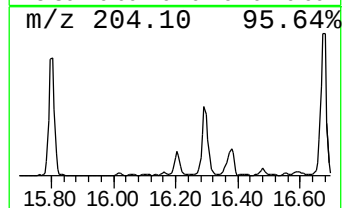
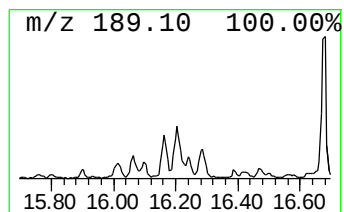
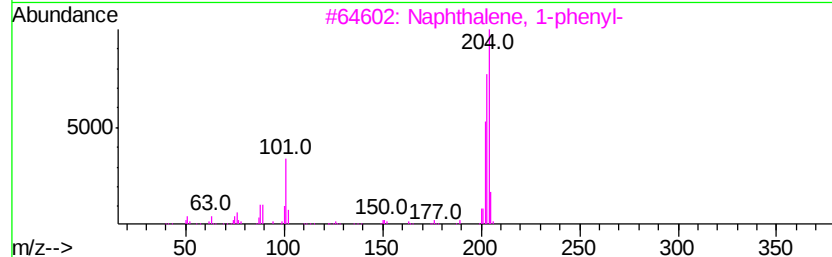
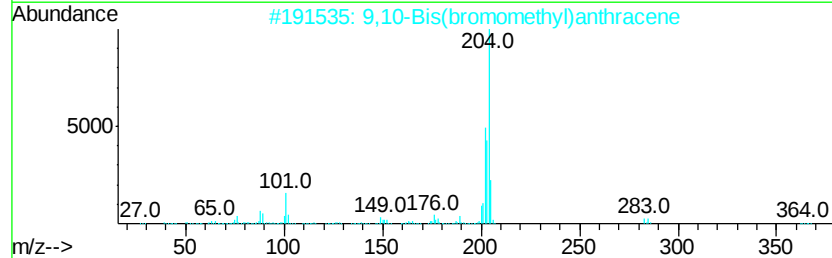
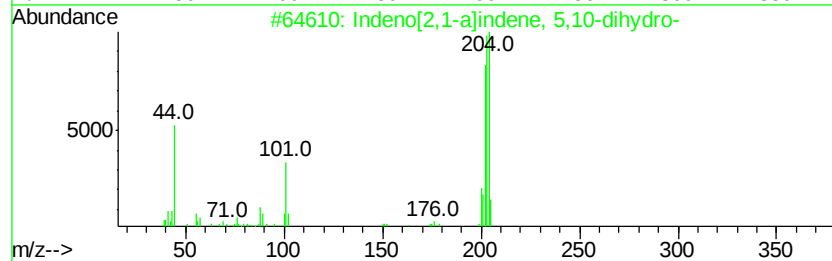
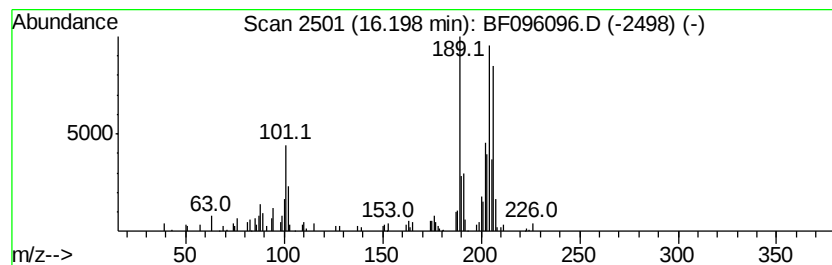
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Indeno[2,1-a]indene, 5,10-d... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	7.58 ng	199650	Phenanthrene-d10	14.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	60
2		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	35
4		2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	35
5		Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	30



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
Data File : BF096096.D
Acq On : 21 Jun 2017 21:28
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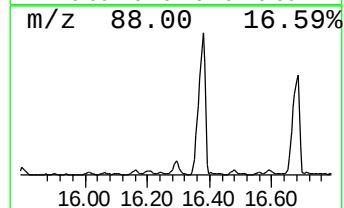
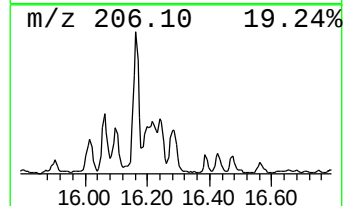
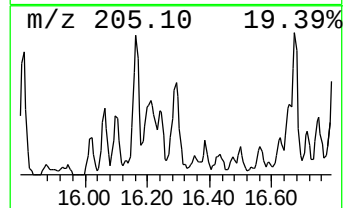
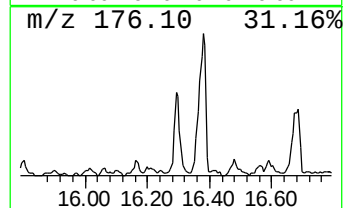
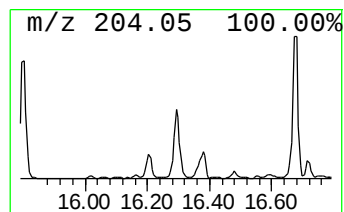
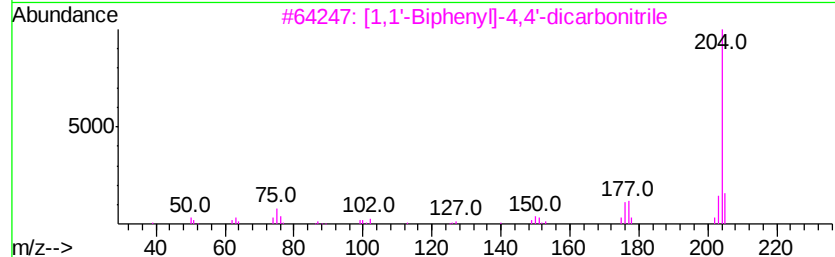
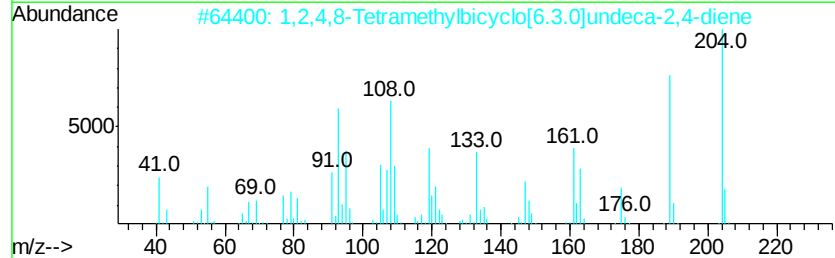
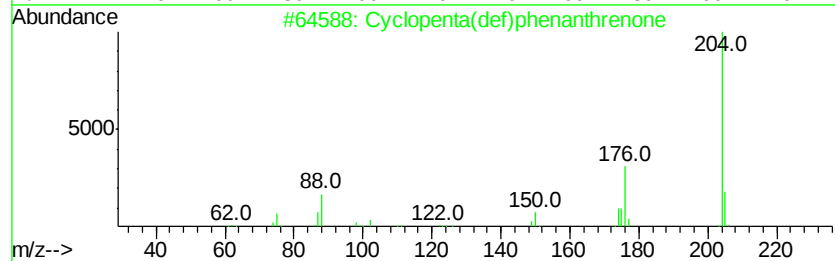
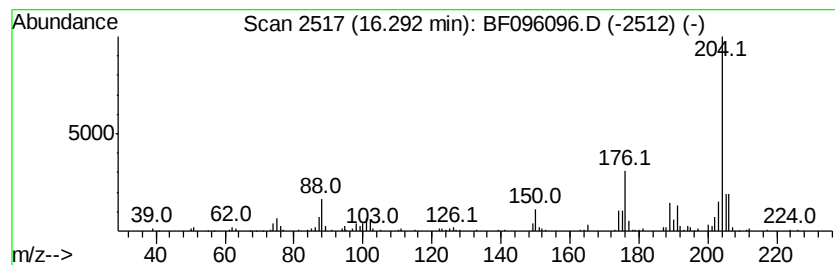
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	9.66 ng	254289	Phenanthrene-d10	14.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	60
3		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
4		6-Cyanophenanthridine	204	C14H8N2	002176-28-5	47
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2,4,6,8-tetraene	204	C16H12	006572-60-7	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
Data File : BF096096.D
Acq On : 21 Jun 2017 21:28
Operator : SJ/MA
Sample : I3792-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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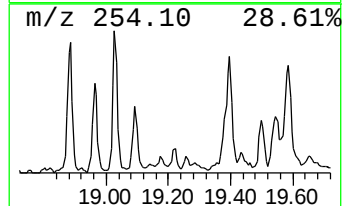
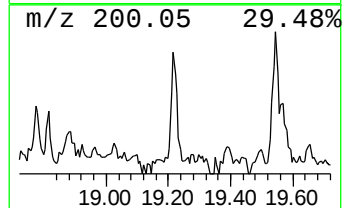
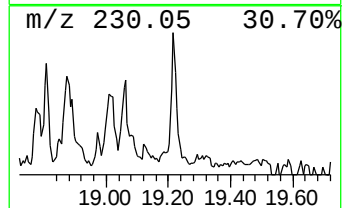
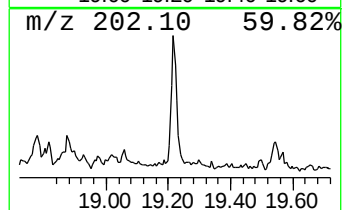
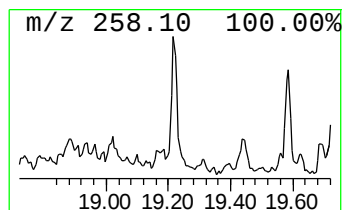
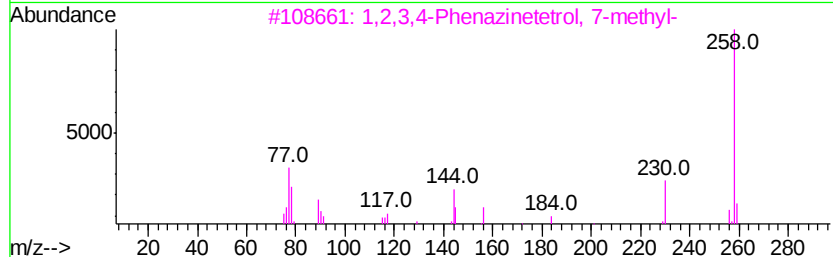
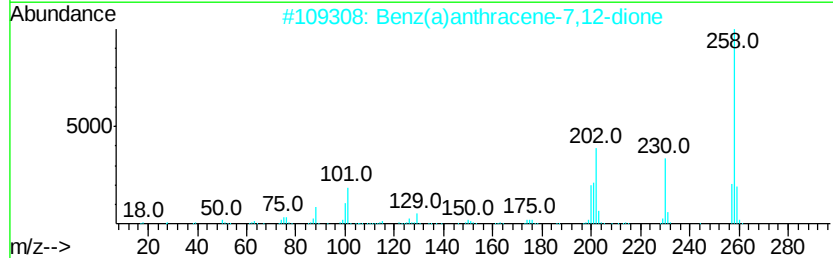
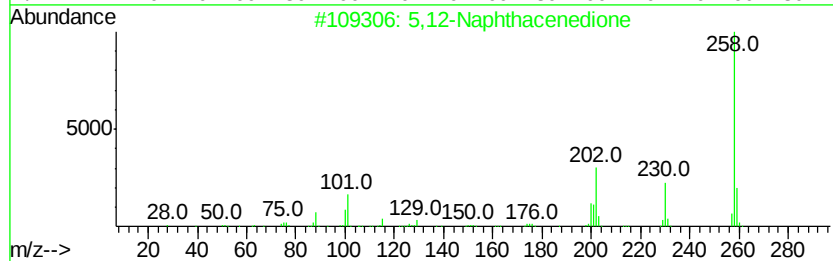
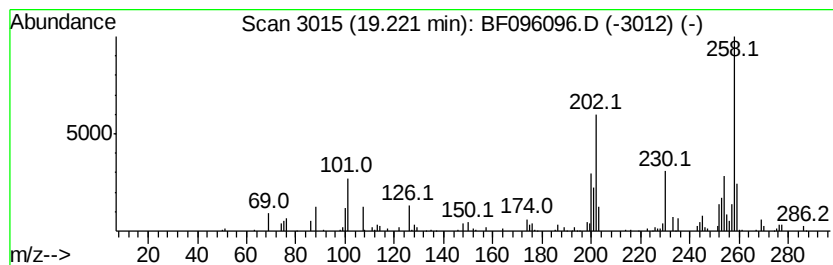
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 5,12-Naphthacenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	7.40 ng	107260	Perylene-d12	19.94

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5,12-Naphthacenedione	258	C18H10O2	001090-13-7	96
2			Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	91
3			1,2,3,4-Phenazinetetrol, 7-methyl-	258	C13H10N2O4	023774-08-5	43
4			1H,4H,4aH,8H,8aH-3,1-Benzothiaz...	258	C15H18N2S	1000139-29-6	38
5			Benzo[1,2-b:4,3-b']bisbenzofuran	258	C18H10O2	000192-93-8	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
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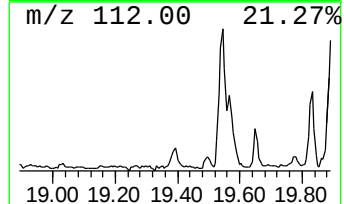
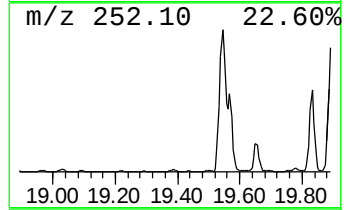
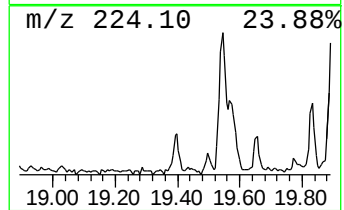
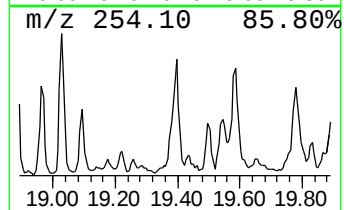
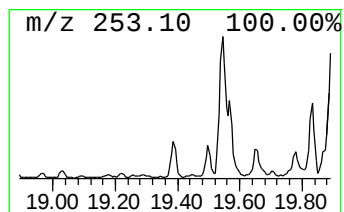
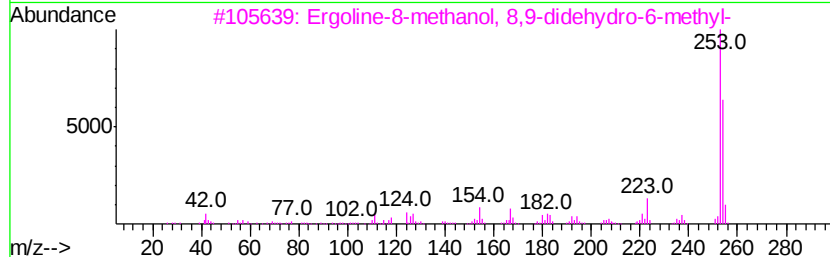
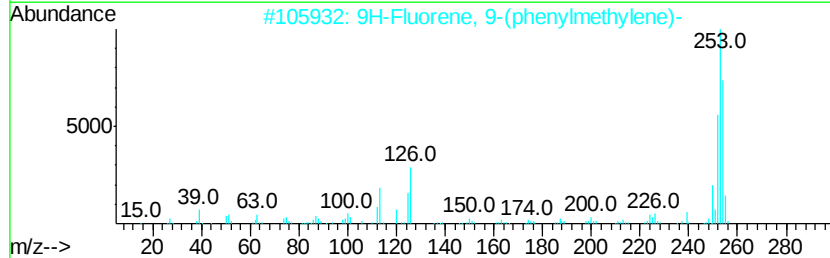
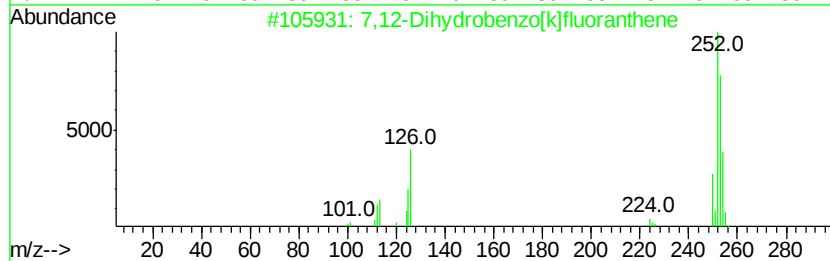
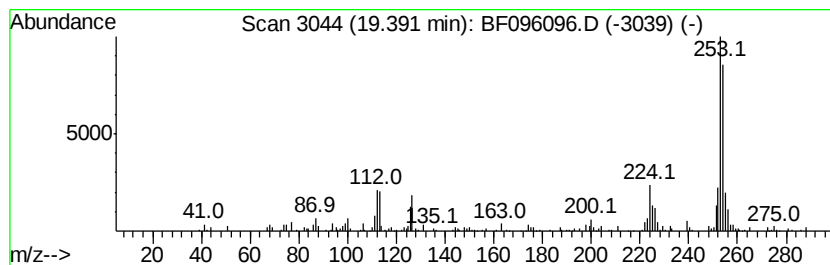
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 7,12-Dihydrobenzo[k]fluoran... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	9.32 ng	135107	Perylene-d12	19.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	62
2		9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	55
3		Ergoline-8-methanol, 8,9-didehyd...	254	C16H18N2O	000548-43-6	52
4		4,6'-Biazulenvyl	254	C20H14	094154-49-1	49
5		Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
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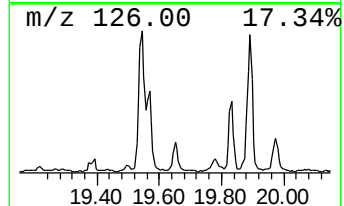
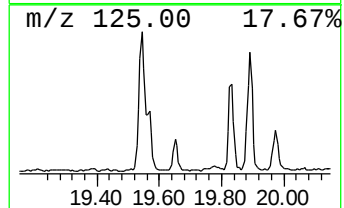
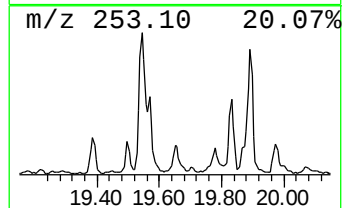
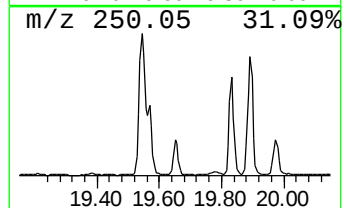
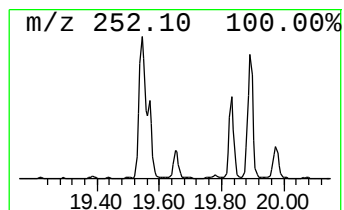
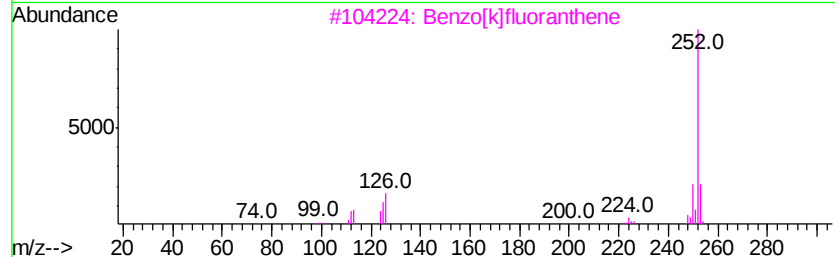
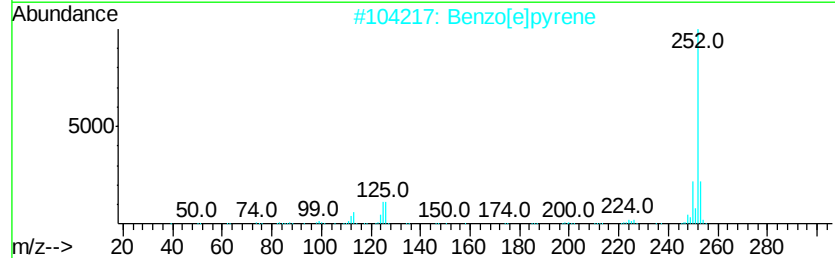
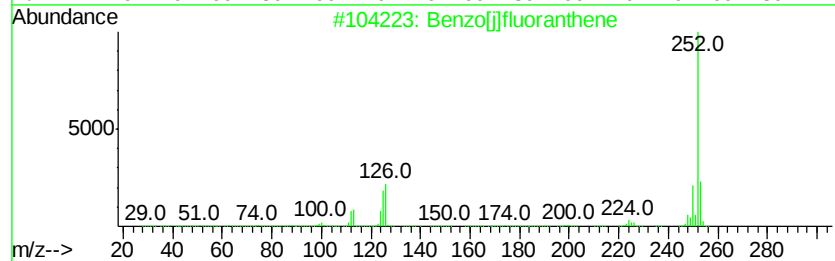
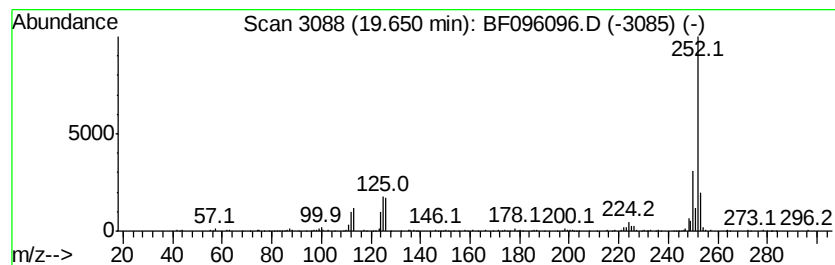
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benzo[j]fluoranthene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.65	13.40 ng	194198	Perylene-d12	19.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[i]fluoranthene	252	C20H12	000205-82-3	98
2		Benzo[e]pyrene	252	C20H12	000192-97-2	98
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	96
5		Benzo[a]pyrene	252	C20H12	000050-32-8	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
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Acq On : 21 Jun 2017 21:28
Operator : SJ/MA
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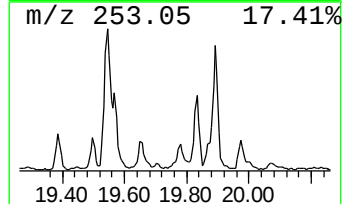
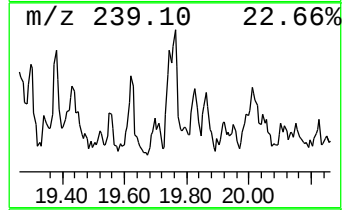
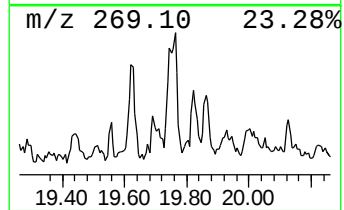
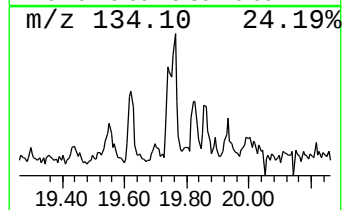
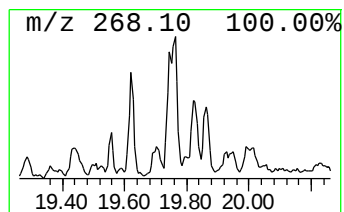
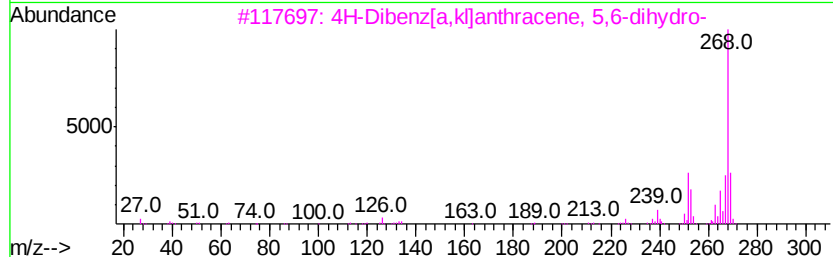
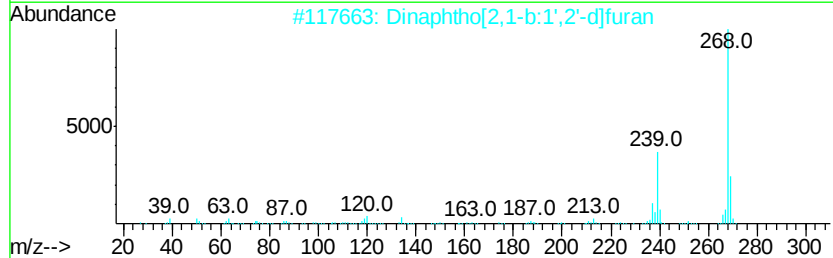
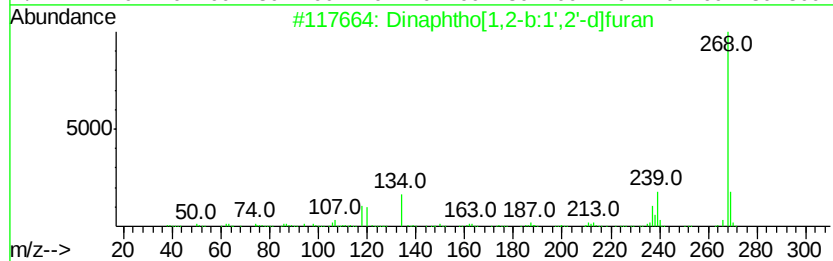
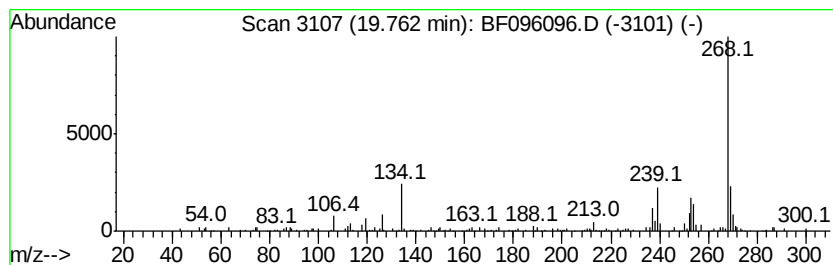
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.76	9.85 ng	142790	Perylene-d12	19.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	64
2		Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	58
3		4H-Dibenz[a,k]anthracene, 5,6-d...	268	C21H16	007198-87-0	58
4		9-Benzylphenanthrene	268	C21H16	000605-05-0	50
5		Estra-1,3,5(10),9(11)-tetraen-17...	268	C18H20O2	001089-80-1	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
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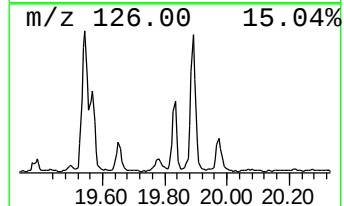
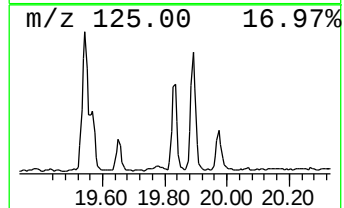
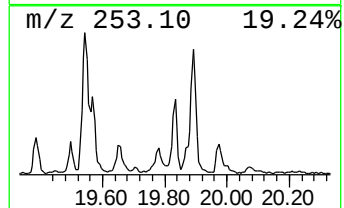
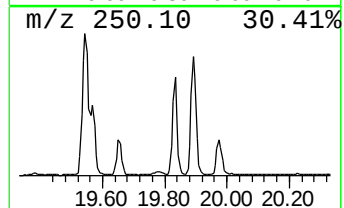
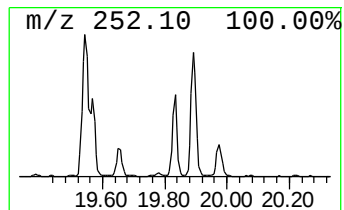
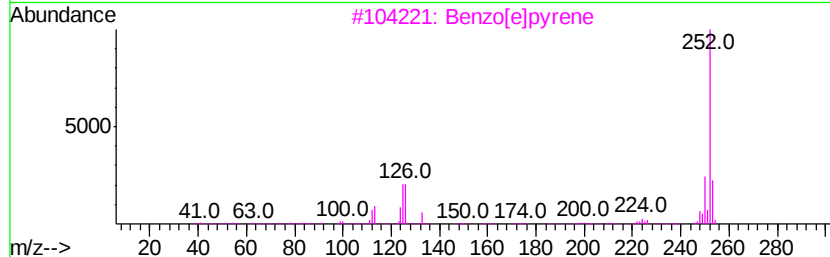
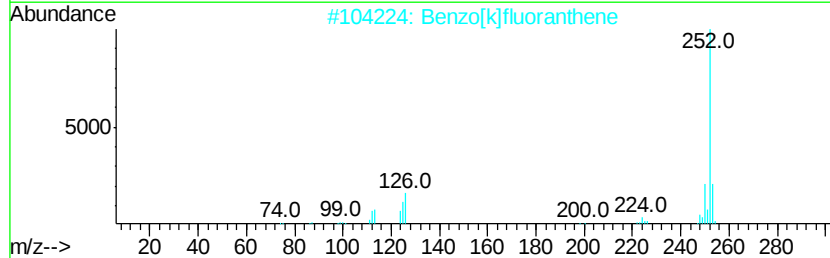
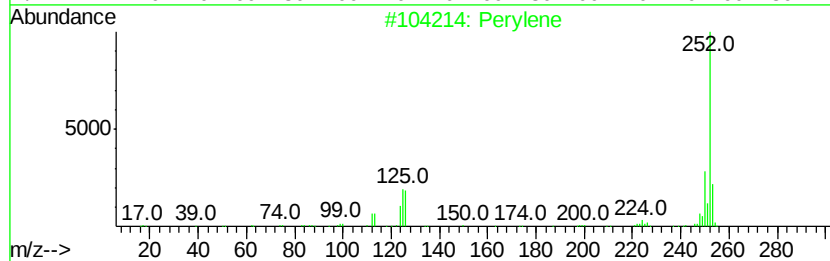
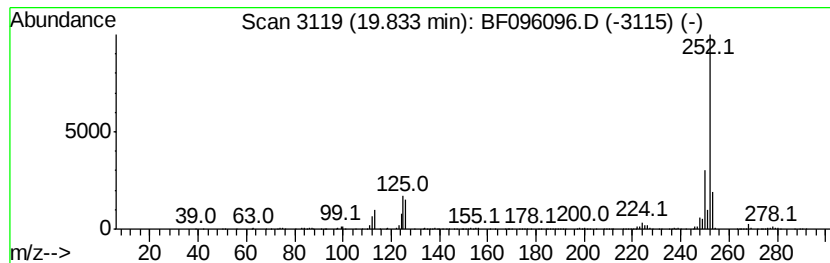
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.83	36.91 ng	534941	Perylene-d12	19.94	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pervlene	252	C20H12	000198-55-0	95
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
3	Benzo[e]pvrene	252	C20H12	000192-97-2	94
4	Benz[e]lacephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	86



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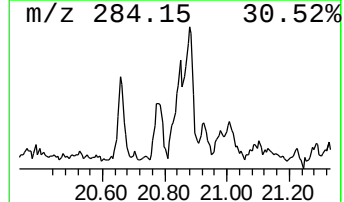
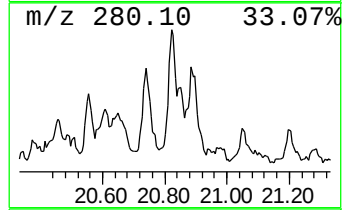
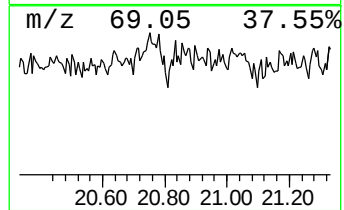
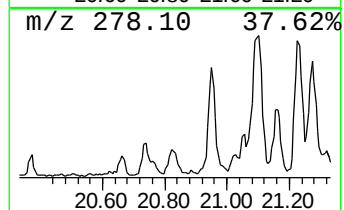
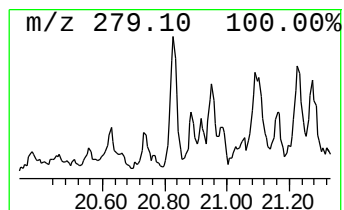
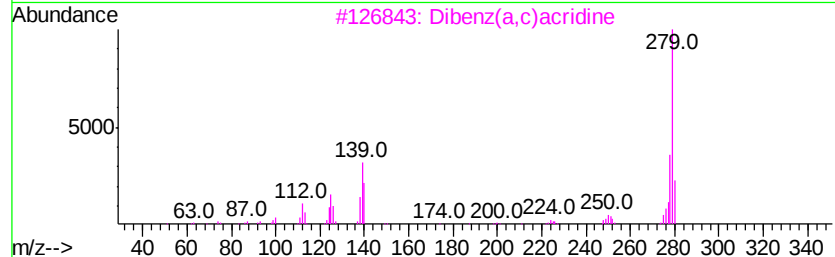
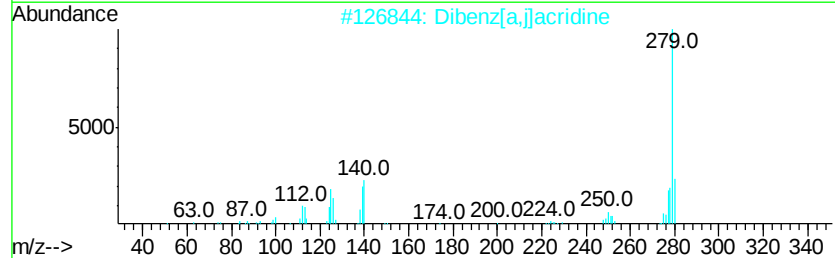
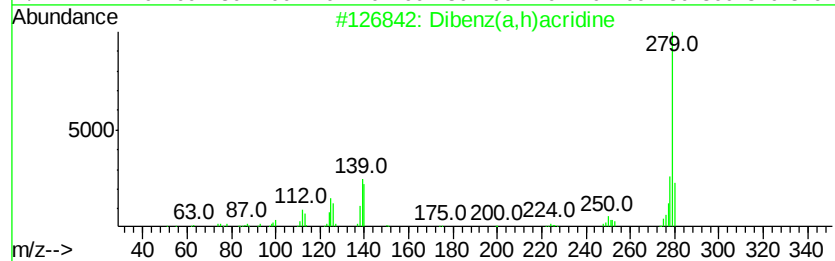
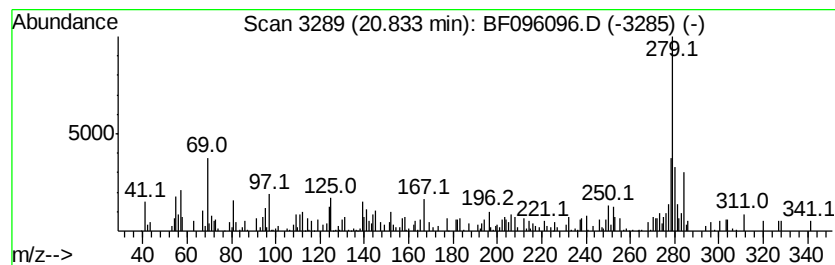
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Dibenz(a,h)acridine Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.		
20.83	7.27 ng	105374	Perylene-d12	19.94		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenz(a,h)acridine	279	C21H13N	000226-36-8	90
2		Dibenz[a,i]acridine	279	C21H13N	000224-42-0	87
3		Dibenz(a,c)acridine	279	C21H13N	000215-62-3	86
4		2-Methyl-6,8-dichloronaphtho[2,1...	308	C15H10Cl2OS	052300-62-6	74
5		Benzoxazole, 2-[2-(4-piperidyl)p...	280	C16H16N4O	1000294-14-8	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062117\
Data File : BF096096.D
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ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-061917

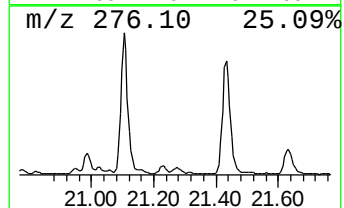
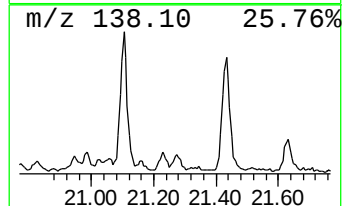
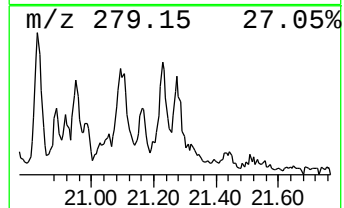
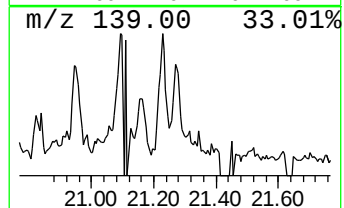
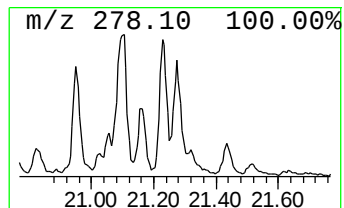
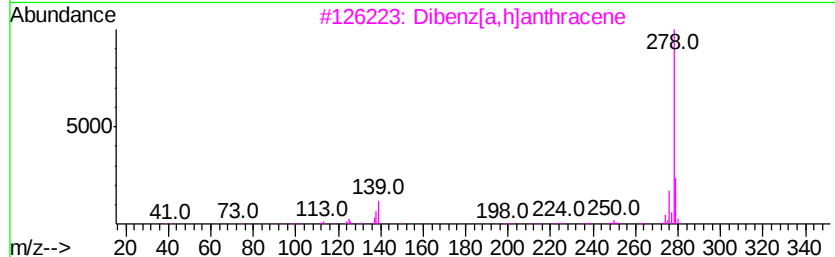
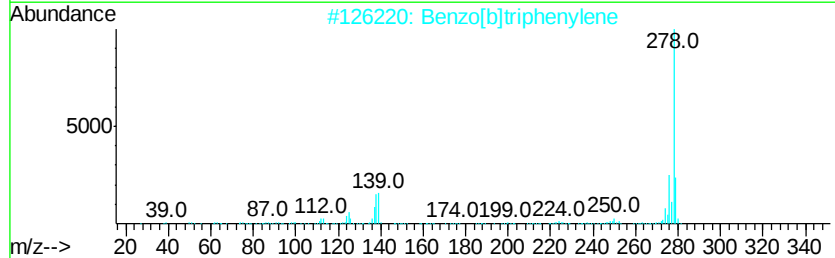
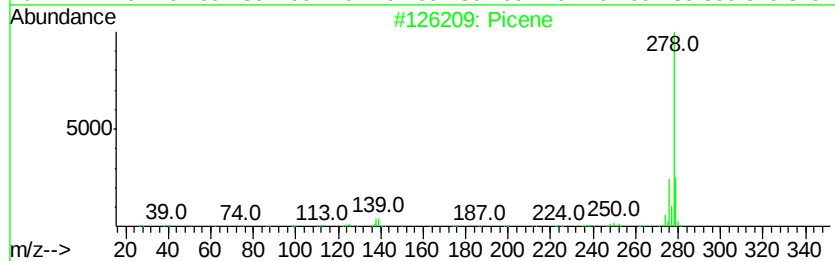
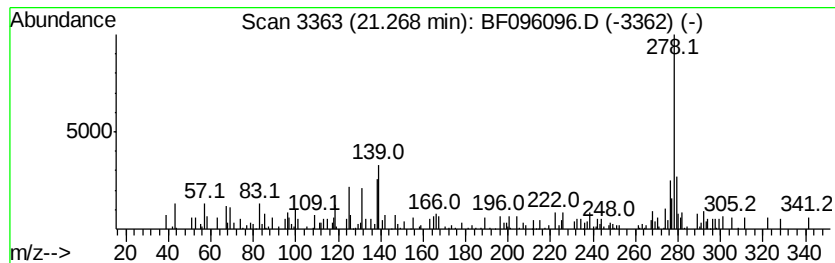
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Picene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.27	11.01 ng	159495	Perylene-d12	19.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Picene	278	C22H14	000213-46-7	83
2		Benzo[b]triphenylene	278	C22H14	000215-58-7	83
3		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	60
4		Benzo[a]naphthacene	278	C22H14	000226-88-0	60
5		Pentacene	278	C22H14	000135-48-8	60



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062117\
 Data File : BF096096.D
 Acq On : 21 Jun 2017 21:28
 Operator : SJ/MA
 Sample : I3792-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-061917

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.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
unknown6.98	6.98	10.0	ng	210148	1	7.29	421661	20.0
Phenanthrene, 1-m...	15.34	12.4	ng	327062	4	14.54	526712	20.0
Phenanthrene, 2-m...	15.39	17.1	ng	451594	4	14.54	526712	20.0
Anthracene, 9-met...	15.46	9.2	ng	243455	4	14.54	526712	20.0
4H-Cyclopenta[def...	15.50	25.9	ng	681433	4	14.54	526712	20.0
Anthracene, 1-met...	15.54	9.8	ng	257796	4	14.54	526712	20.0
Naphthalene, 2-ph...	15.80	12.7	ng	335316	4	14.54	526712	20.0
Phenanthrene, 2,5...	16.16	9.8	ng	257080	4	14.54	526712	20.0
Indeno[2,1-a]inde...	16.20	7.6	ng	199650	4	14.54	526712	20.0
Cyclopenta(def)ph...	16.29	9.7	ng	254289	4	14.54	526712	20.0
5,12-Naphthacened...	19.22	7.4	ng	107260	6	19.94	289838	20.0
7,12-Dihydrobenzo...	19.39	9.3	ng	135107	6	19.94	289838	20.0
Benzo[j]fluoranthene	19.65	13.4	ng	194198	6	19.94	289838	20.0
Dinaphtho[1,2-b:1...	19.76	9.8	ng	142790	6	19.94	289838	20.0
Perylene	19.83	36.9	ng	534941	6	19.94	289838	20.0
Dibenz(a,h)acridine	20.83	7.3	ng	105374	6	19.94	289838	20.0
Picene	21.27	11.0	ng	159495	6	19.94	289838	20.0