

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060717\
 Data File : BF095754.D
 Acq On : 7 Jun 2017 19:31
 Operator : SJ/MA
 Sample : I3479-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-8(7-9)20170604

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	4.598	509	512	537	rBV2	65317	198079	3.70%	0.281%
2	5.287	624	629	656	rBV	1232400	2060897	38.49%	2.922%
3	6.969	909	915	924	rBV	1091126	1876559	35.05%	2.661%
4	7.051	924	929	945	rVB	1467287	2421756	45.23%	3.434%
5	7.386	981	986	998	rVB	310739	388429	7.25%	0.551%
6	7.622	1021	1026	1031	rBV	1228925	1657307	30.95%	2.350%
7	8.304	1136	1142	1158	rBV	907673	1265047	23.63%	1.794%
8	9.416	1326	1331	1334	rBV	470550	565440	10.56%	0.802%
9	9.445	1334	1336	1346	rVB	508452	621757	11.61%	0.882%
10	10.574	1524	1528	1540	rVB	237962	283741	5.30%	0.402%
11	10.727	1547	1554	1563	rBV	178711	229523	4.29%	0.325%
12	11.198	1625	1634	1638	rBV	1746377	2144911	40.06%	3.041%
13	11.592	1697	1701	1709	rBV	55313	115316	2.15%	0.164%
14	11.715	1717	1722	1726	rBV	109117	149026	2.78%	0.211%
15	11.892	1746	1752	1769	rBV	346460	493223	9.21%	0.699%
16	12.239	1805	1811	1815	rBV2	427135	555944	10.38%	0.788%
17	12.298	1815	1821	1827	rVB	1394268	1786457	33.36%	2.533%
18	12.504	1852	1856	1864	rVB	109238	134212	2.51%	0.190%
19	12.580	1864	1869	1873	rBV	505760	603879	11.28%	0.856%
20	13.133	1958	1963	1973	rVB	918376	1115919	20.84%	1.582%
21	13.221	1973	1978	1979	rBV2	106567	129811	2.42%	0.184%
22	13.268	1983	1986	1990	rVV	167651	198105	3.70%	0.281%
23	13.339	1996	1998	2005	rVV	113134	133019	2.48%	0.189%
24	13.404	2005	2009	2014	rVB	150147	170980	3.19%	0.242%
25	13.539	2026	2032	2039	rBV2	959436	1309309	24.45%	1.857%
26	14.027	2109	2115	2119	rBV	139209	232592	4.34%	0.330%
27	14.262	2150	2155	2158	rBV3	96845	139922	2.61%	0.198%
28	14.351	2167	2170	2176	rVB	105089	145619	2.72%	0.206%
29	14.415	2176	2181	2185	rVV3	96694	188387	3.52%	0.267%
30	14.462	2185	2189	2194	rVB	320473	418254	7.81%	0.593%
31	14.639	2215	2219	2221	rVV	263258	398879	7.45%	0.566%
32	14.698	2221	2229	2232	rVB	2739196	5354447	100.00%	7.592%
33	14.768	2232	2241	2245	rVB	1459725	1962165	36.65%	2.782%
34	14.833	2248	2252	2255	rBV	160259	217761	4.07%	0.309%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.998	2276	2280	2284	rBV	134283	174938	3.27%	0.248%
36	15.056	2285	2290	2294	rVB	663271	749450	14.00%	1.063%
37	15.439	2350	2355	2358	rVV	459084	549797	10.27%	0.780%
38	15.480	2358	2362	2365	rVV	509554	605000	11.30%	0.858%
39	15.509	2365	2367	2371	rVV2	90165	118838	2.22%	0.169%
40	15.551	2371	2374	2377	rVV	300047	360857	6.74%	0.512%
41	15.586	2377	2380	2384	rVV3	751395	1030926	19.25%	1.462%
42	15.633	2384	2388	2391	rVV	306136	476124	8.89%	0.675%
43	15.786	2409	2414	2421	rVV4	91925	174913	3.27%	0.248%
44	15.886	2427	2431	2435	rVV	385847	452347	8.45%	0.641%
45	15.945	2437	2441	2446	rVV	131608	169679	3.17%	0.241%
46	16.092	2462	2466	2471	rBV2	83806	127418	2.38%	0.181%
47	16.245	2485	2492	2496	rBV	170640	314802	5.88%	0.446%
48	16.286	2496	2499	2504	rVV3	119586	226670	4.23%	0.321%
49	16.374	2509	2514	2522	rVB3	143234	221934	4.14%	0.315%
50	16.480	2522	2532	2534	rBV	2843343	5314758	99.26%	7.536%
51	16.556	2541	2545	2548	rBV2	153238	190743	3.56%	0.270%
52	16.645	2556	2560	2563	rBV	170002	215764	4.03%	0.306%
53	16.774	2574	2582	2585	rBV2	2878646	5050038	94.31%	7.161%
54	16.803	2585	2587	2590	rVB	143015	116124	2.17%	0.165%
55	16.845	2590	2594	2598	rBV2	167085	213976	4.00%	0.303%
56	16.945	2607	2611	2614	rBV	319868	344604	6.44%	0.489%
57	17.009	2614	2622	2626	rBV2	1180321	1574596	29.41%	2.233%
58	17.080	2631	2634	2638	rVB	206763	275636	5.15%	0.391%
59	17.121	2638	2641	2646	rVB	166680	195897	3.66%	0.278%
60	17.192	2646	2653	2655	rBV5	196456	375762	7.02%	0.533%
61	17.227	2655	2659	2665	rVB	717736	854531	15.96%	1.212%
62	17.315	2670	2674	2677	rVB	686230	763741	14.26%	1.083%
63	17.356	2677	2681	2688	rBV3	437015	840684	15.70%	1.192%
64	17.468	2697	2700	2704	rVB	174241	195014	3.64%	0.277%
65	17.509	2704	2707	2712	rBV	169581	212090	3.96%	0.301%
66	17.745	2740	2747	2749	rBV6	70627	143148	2.67%	0.203%
67	17.786	2749	2754	2760	rVB4	102540	241818	4.52%	0.343%
68	17.862	2764	2767	2772	rBV4	109032	148931	2.78%	0.211%
69	17.909	2772	2775	2779	rVB	119761	134950	2.52%	0.191%
70	18.021	2788	2794	2797	rBV	293016	379803	7.09%	0.539%
71	18.056	2797	2800	2803	rVB2	321626	309356	5.78%	0.439%

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72	18.086	2803	2805	2808	rVB	239502	211913	3.96%	0.300%
73	18.121	2808	2811	2816	rVB2	327168	377296	7.05%	0.535%
74	18.186	2818	2822	2826	rBV	154386	181078	3.38%	0.257%
75	18.356	2844	2851	2853	rBV3	1672097	2814548	52.56%	3.991%
76	18.397	2853	2858	2861	rVB2	1574009	2383235	44.51%	3.379%
77	18.486	2868	2873	2876	rBV	525984	563493	10.52%	0.799%
78	18.621	2893	2896	2901	rVV	352797	383013	7.15%	0.543%
79	18.668	2901	2904	2912	rVB	256298	346379	6.47%	0.491%
80	18.856	2930	2936	2939	rVV2	366474	534950	9.99%	0.759%
81	18.897	2940	2943	2947	rVB3	173346	190321	3.55%	0.270%
82	18.968	2952	2955	2958	rVB2	218691	231559	4.32%	0.328%
83	19.003	2958	2961	2963	rBV2	151663	179832	3.36%	0.255%
84	19.027	2963	2965	2969	rVV4	145654	176009	3.29%	0.250%
85	19.068	2969	2972	2977	rVV3	261310	284901	5.32%	0.404%
86	19.274	3004	3007	3014	rVB4	150083	236950	4.43%	0.336%
87	19.456	3035	3038	3044	rVB	126475	167623	3.13%	0.238%
88	19.627	3061	3067	3070	rBV	1255797	2198169	41.05%	3.117%
89	19.727	3081	3084	3088	rVB	320167	332258	6.21%	0.471%
90	19.915	3111	3116	3119	rBV	763799	911331	17.02%	1.292%
91	19.974	3122	3126	3129	rVV	1144666	1348207	25.18%	1.912%
92	20.021	3131	3134	3136	rBV	212401	205698	3.84%	0.292%
93	20.050	3136	3139	3143	rVB	337165	322887	6.03%	0.458%
94	20.221	3164	3168	3173	rVB3	119173	227446	4.25%	0.323%
95	21.203	3329	3335	3341	rVB	518817	795091	14.85%	1.127%
96	21.327	3352	3356	3360	rBV2	117927	197652	3.69%	0.280%
97	21.374	3360	3364	3368	rVB2	80063	135779	2.54%	0.193%
98	21.538	3386	3392	3398	rBV	374127	662628	12.38%	0.940%
99	21.727	3420	3424	3431	rVB	114034	198983	3.72%	0.282%
100	23.238	3675	3681	3690	rVB	86591	212916	3.98%	0.302%

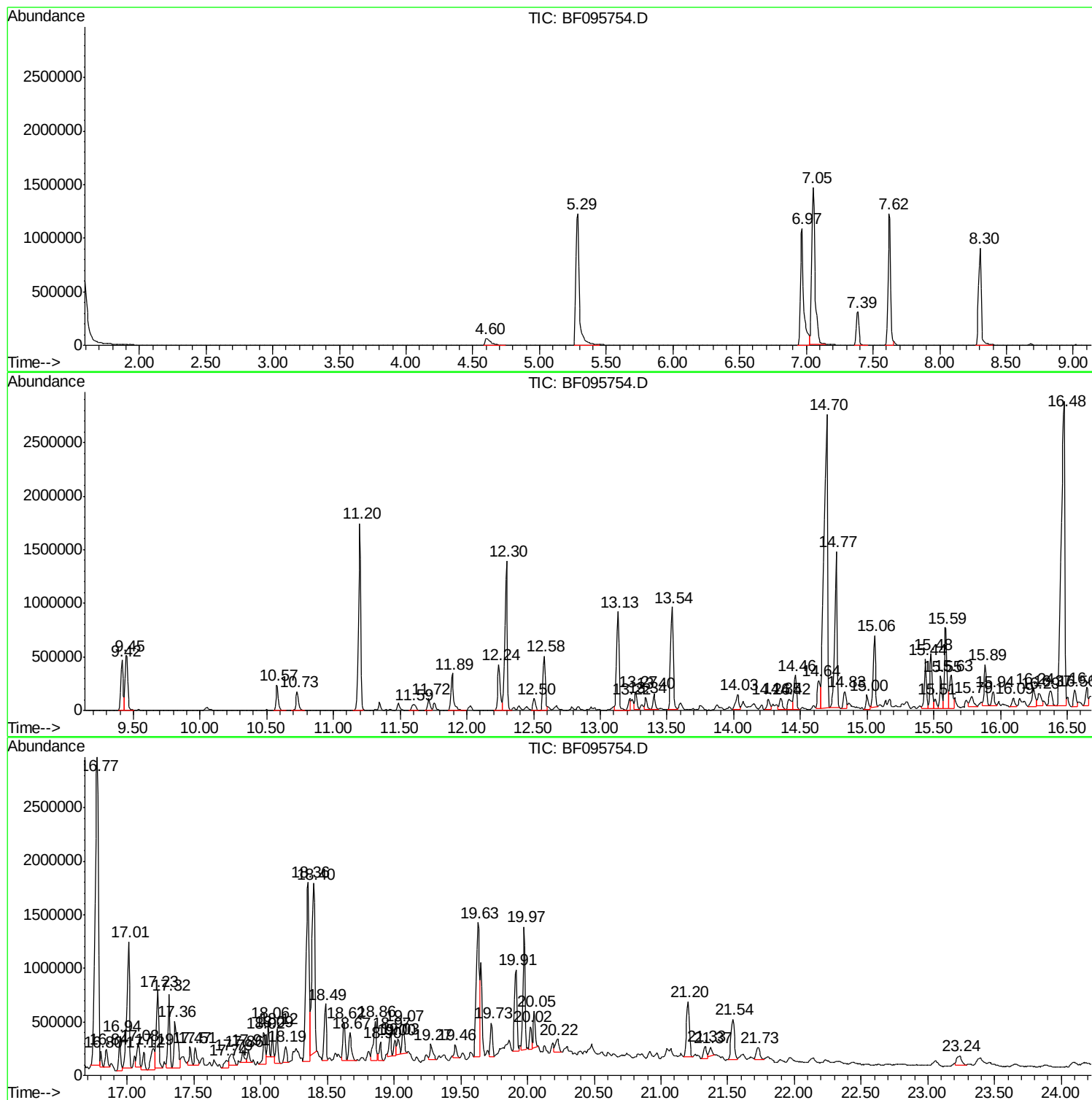
Sum of corrected areas: 70524474

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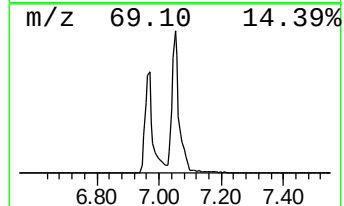
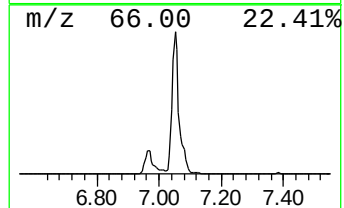
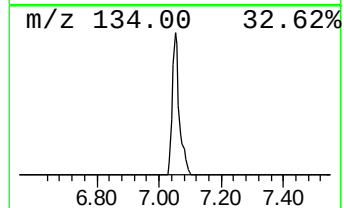
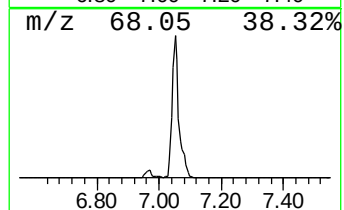
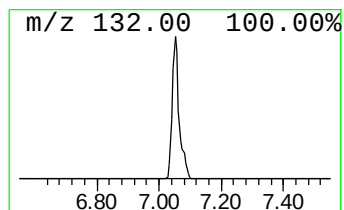
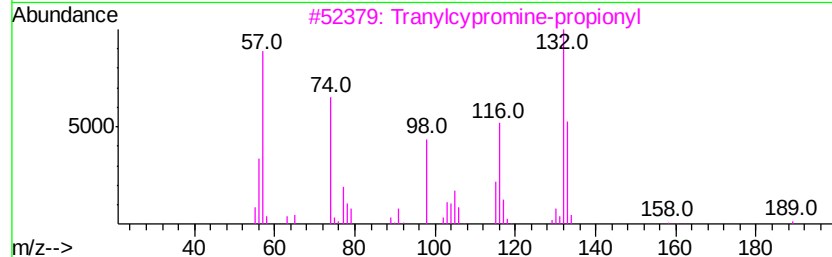
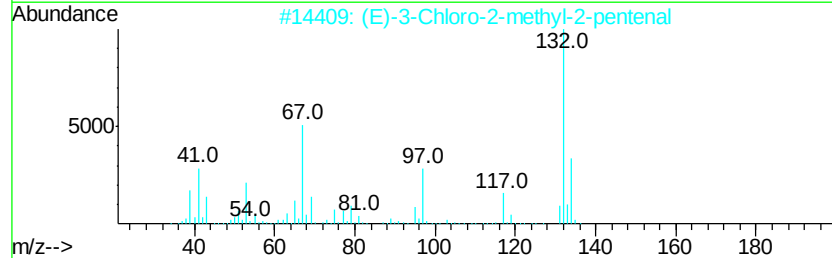
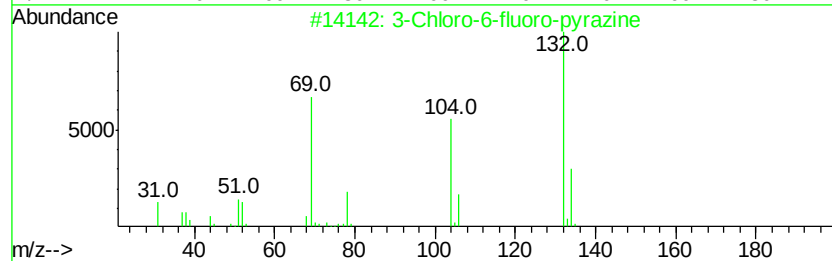
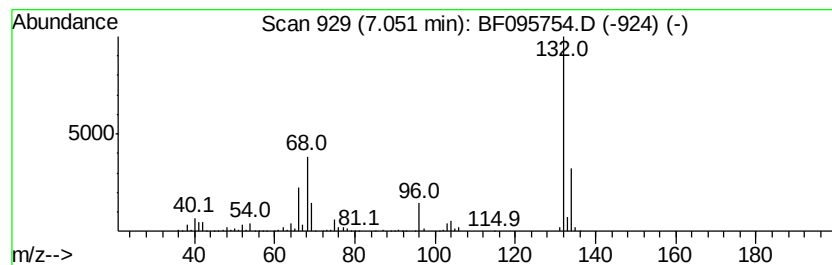
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown7.05 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	124.70 ng	2421760	1,4-Dichlorobenzene-d4	7.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	30
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	27
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	10
4		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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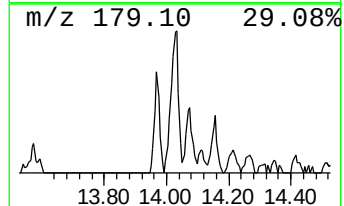
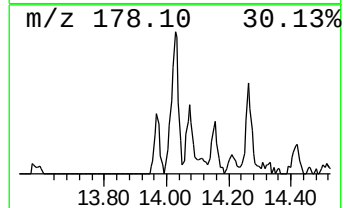
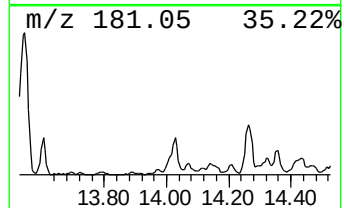
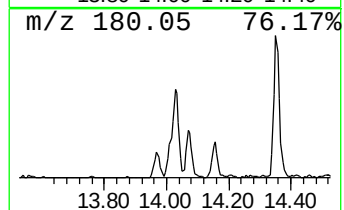
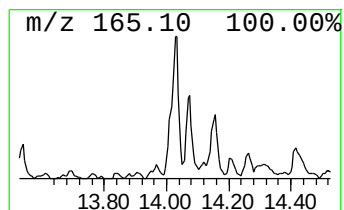
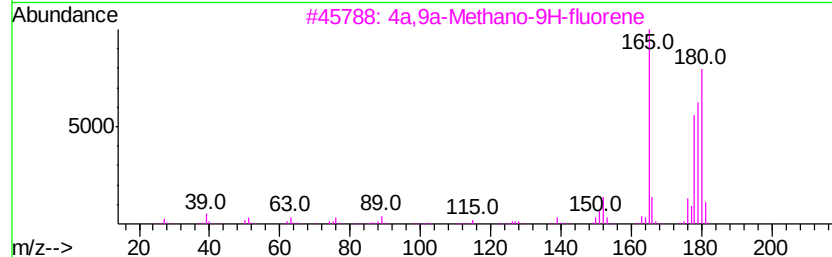
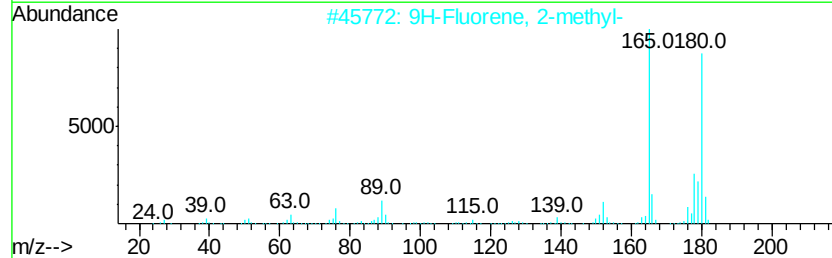
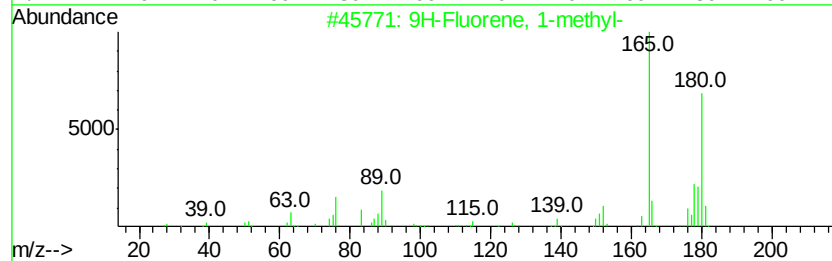
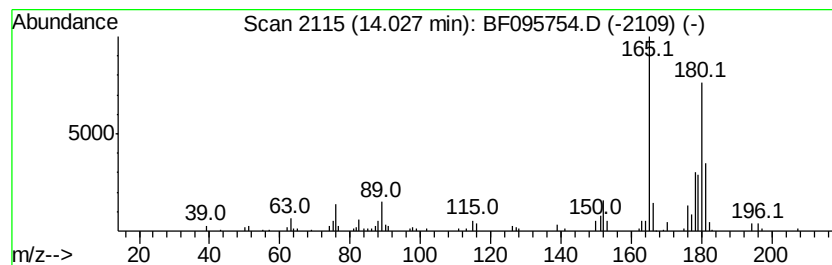
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TIC Integration Parameters: LSCINT.P

Peak Number 3 9H-Fluorene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.		
14.03	11.66 ng	232592	Phenanthrene-d10		14.64		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
2			9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3			4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86
4			9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	76
5			9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76



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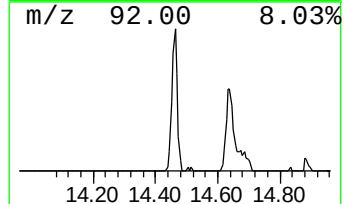
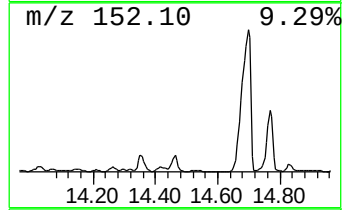
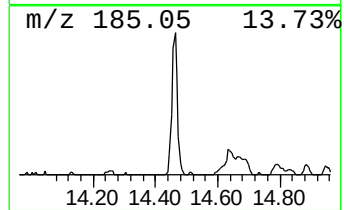
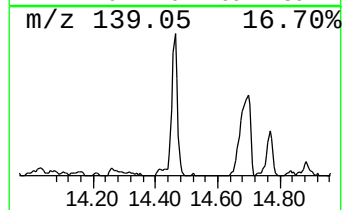
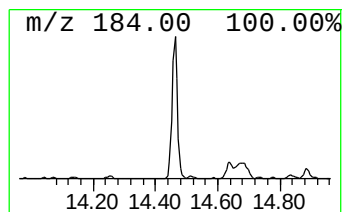
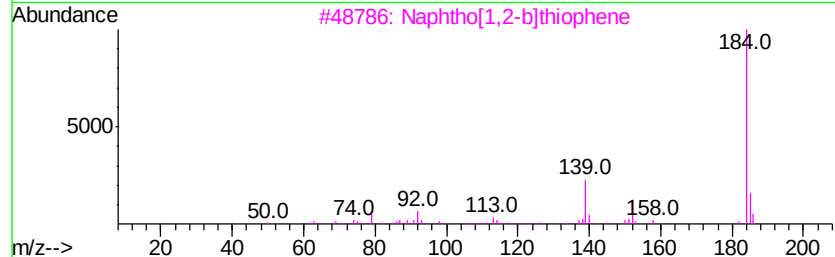
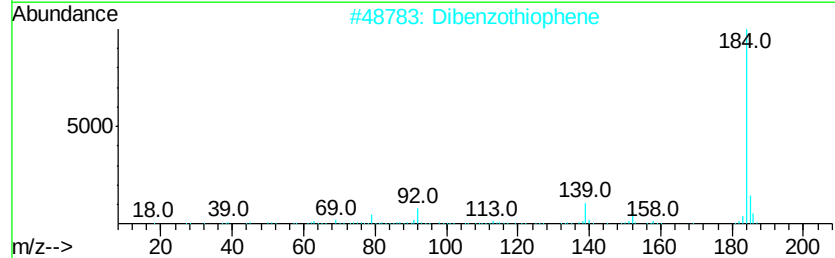
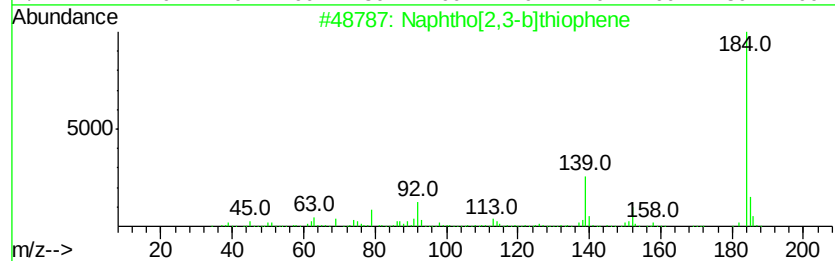
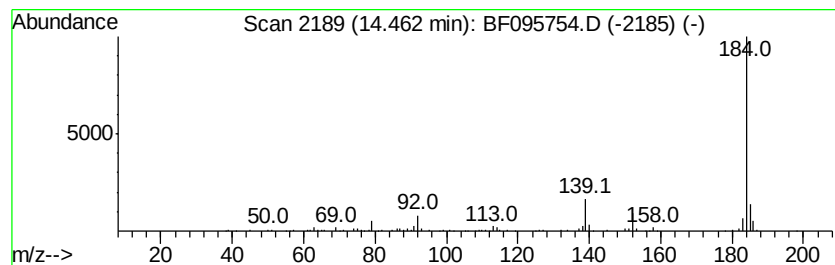
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Peak Number 4 Naphtho[2,3-b]thiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.46	20.97 ng	418254	Phenanthrene-d10	14.64		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
2		Dibenzothiophene	184	C12H8S	000132-65-0	95
3		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060717\
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Acq On : 7 Jun 2017 19:31
Operator : SJ/MA
Sample : I3479-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

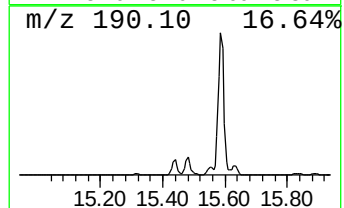
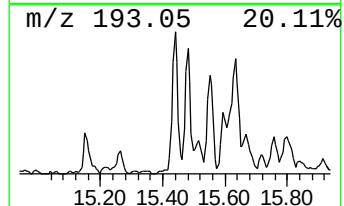
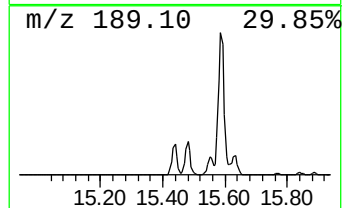
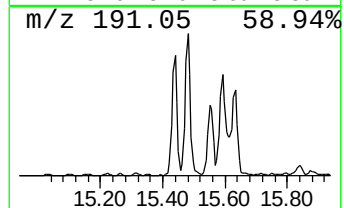
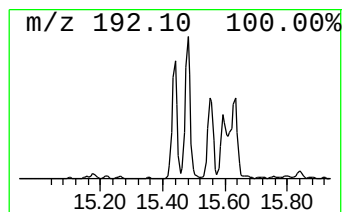
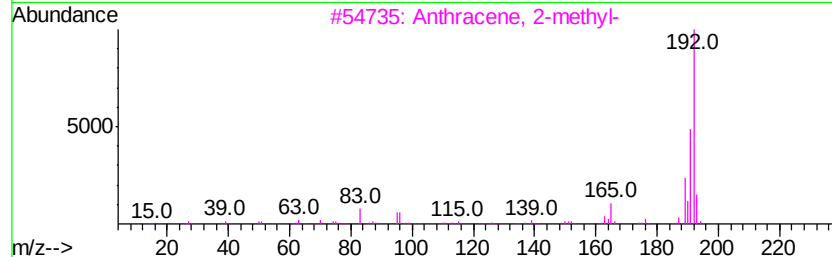
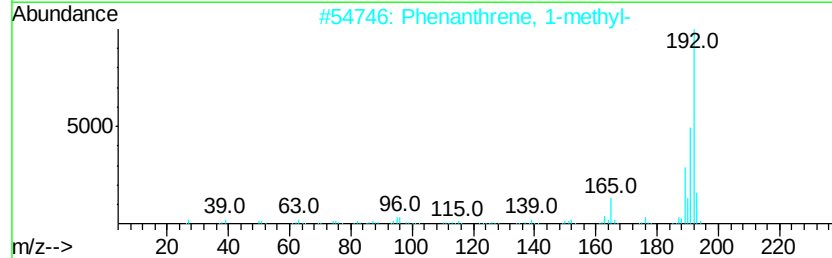
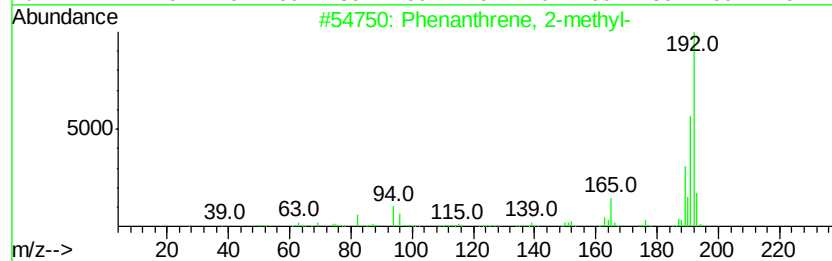
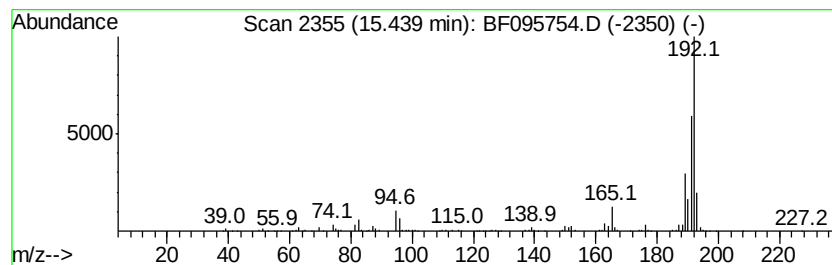
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.44	27.57 ng	549797	Phenanthrene-d10	14.64	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF060717\
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Sample : I3479-09
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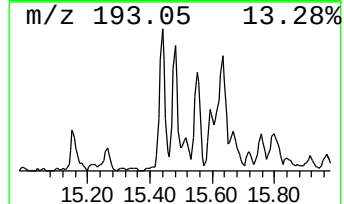
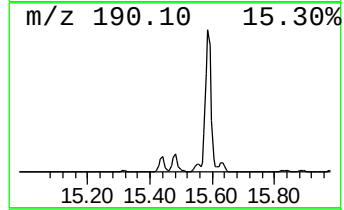
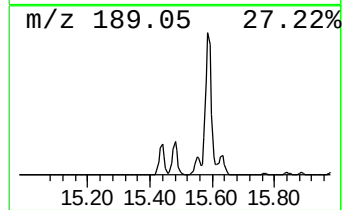
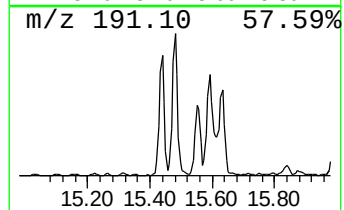
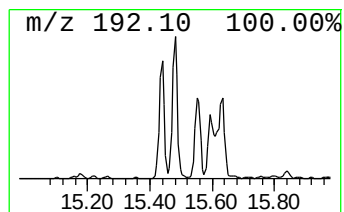
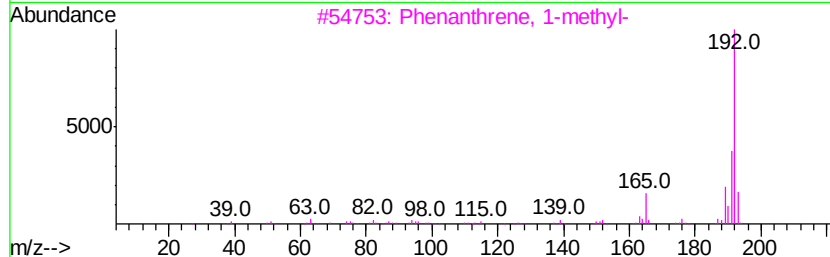
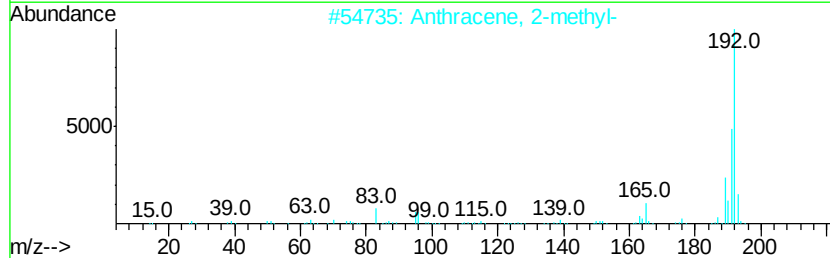
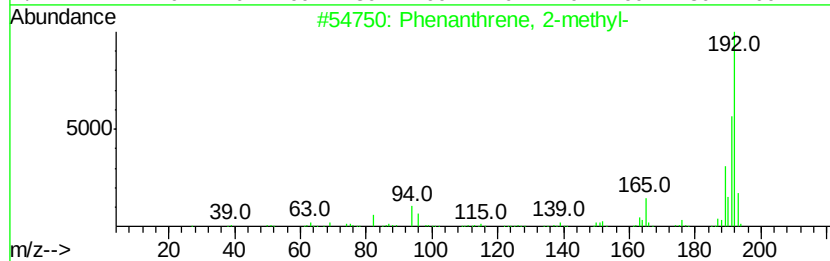
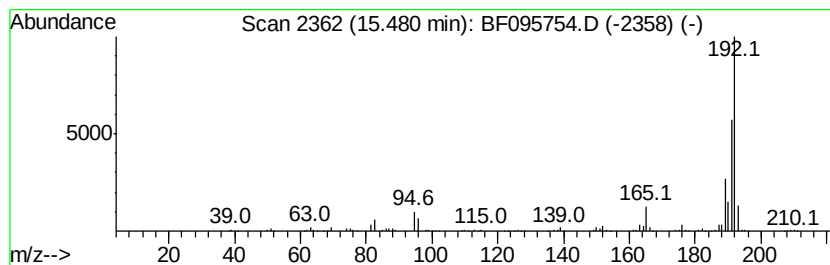
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.48	30.34 ng	605000	Phenanthrene-d10	14.64	
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	95
4	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060717\
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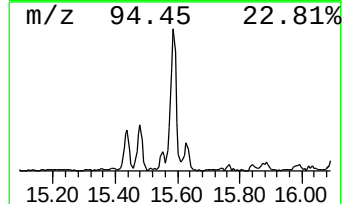
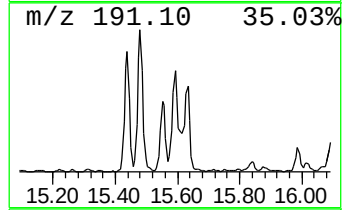
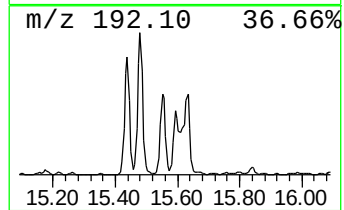
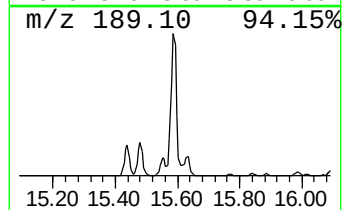
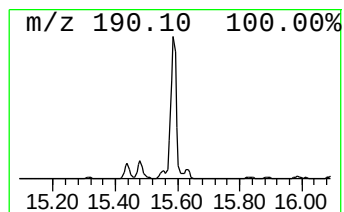
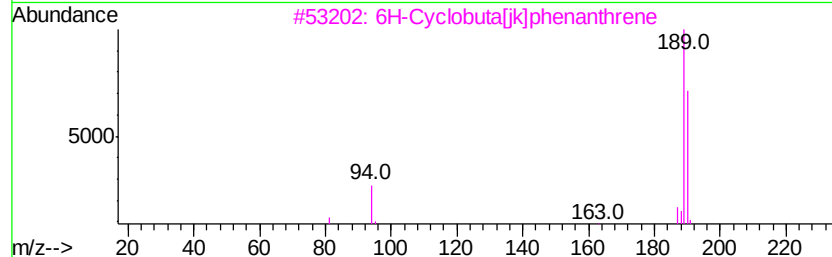
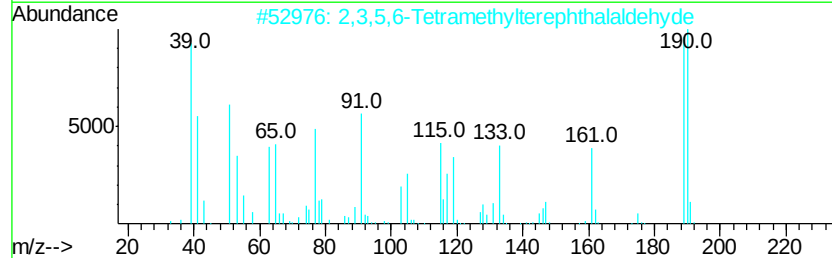
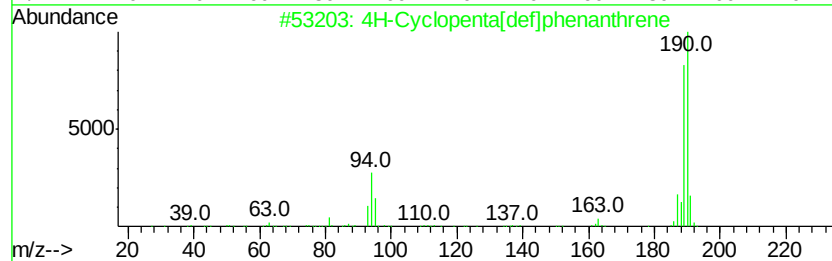
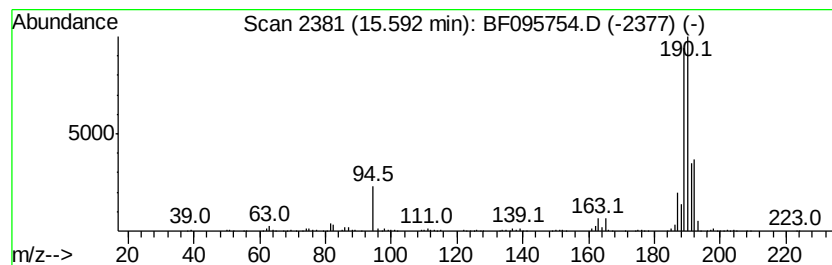
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.59	51.69 ng	1030930	Phenanthrene-d10	14.64	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
3	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	Methyl diselenide	190	C2H6Se2	007101-31-7	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060717\
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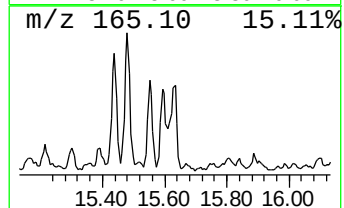
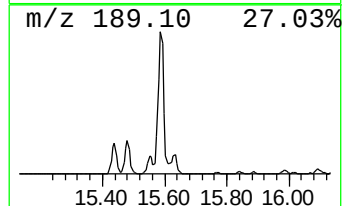
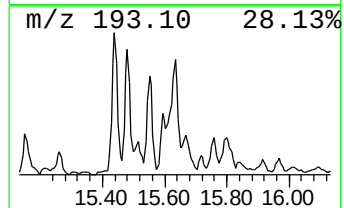
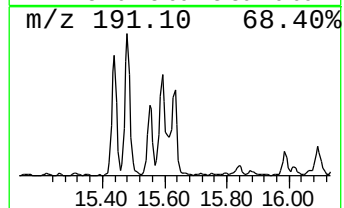
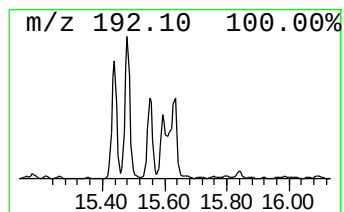
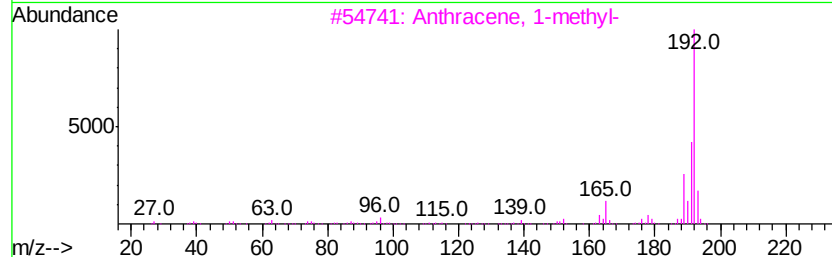
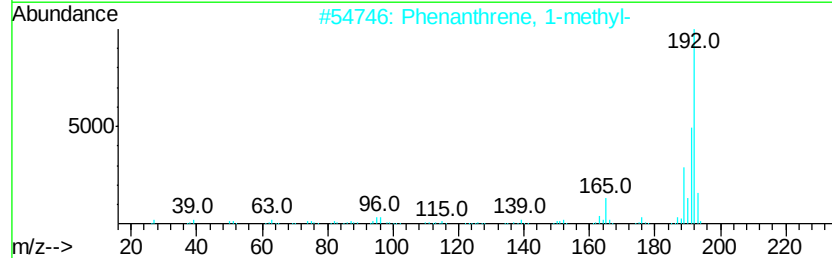
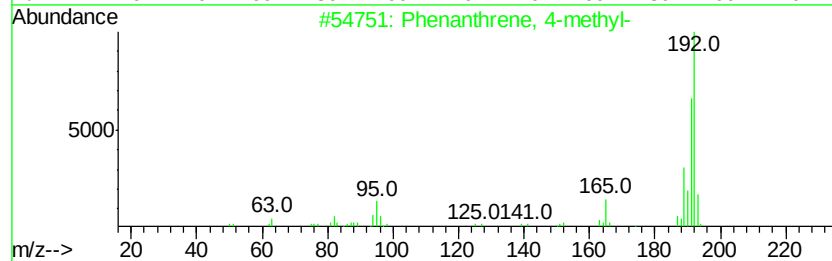
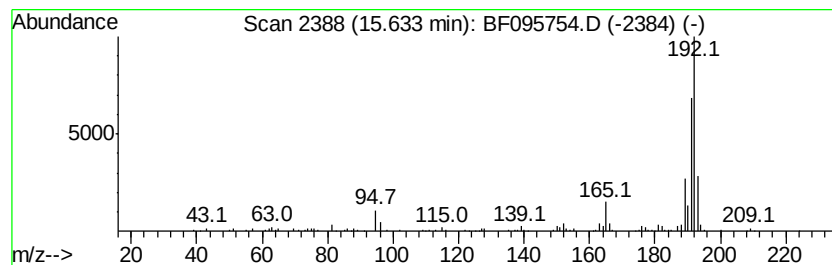
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.63	23.87 ng	476124	Phenanthrene-d10	14.64		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94	
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94	
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93	
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91	
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	89	



Data Path : Z:\HPCHEM1\BNA F\DATA\BF060717\
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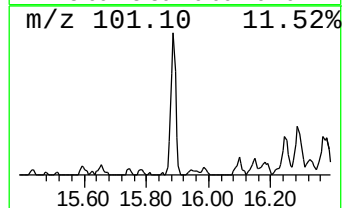
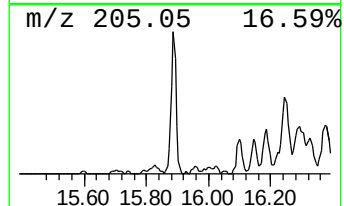
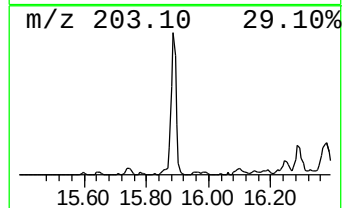
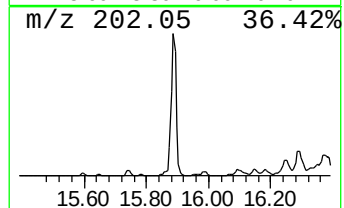
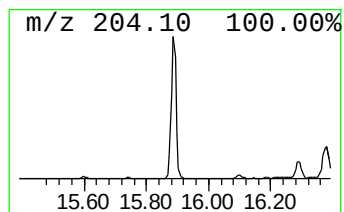
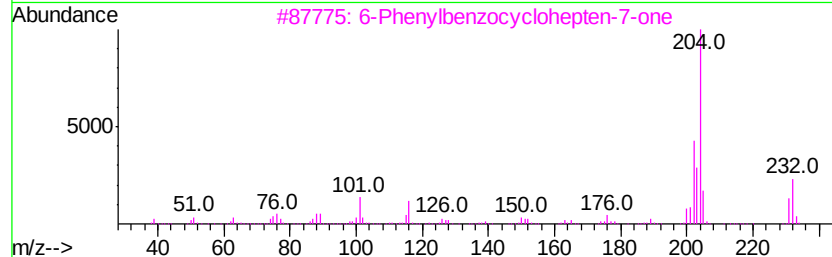
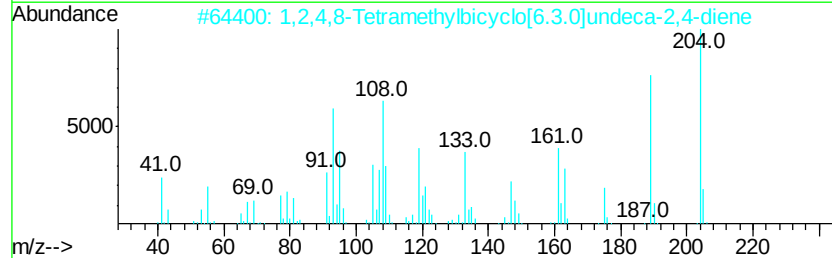
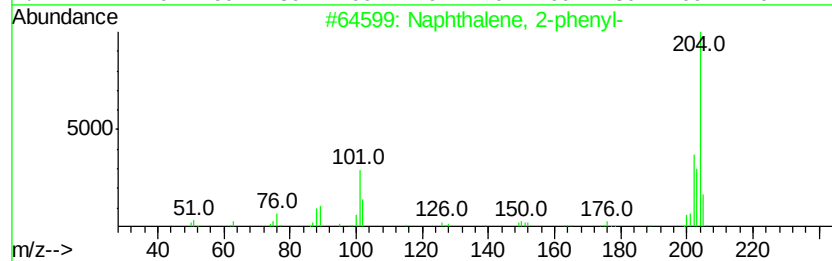
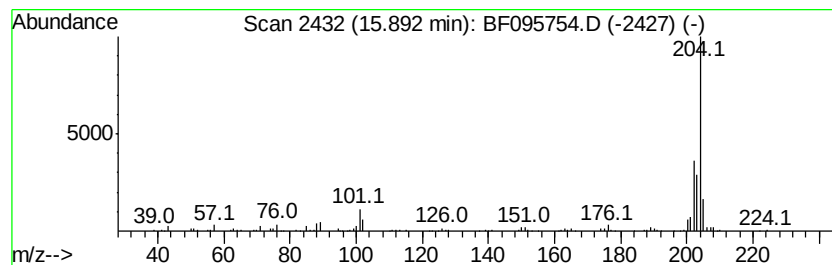
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.89	22.68 ng	452347	Phenanthrene-d10	14.64	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	91
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2,4,6,8-tetraene	204	C16H12	006572-60-7	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060717\
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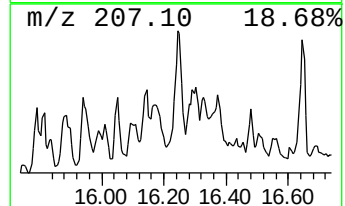
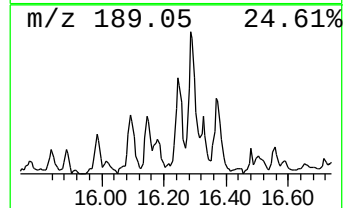
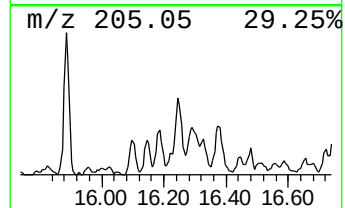
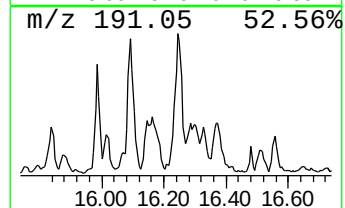
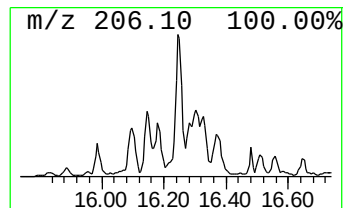
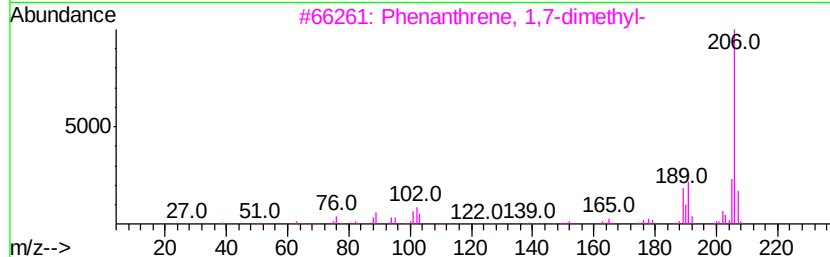
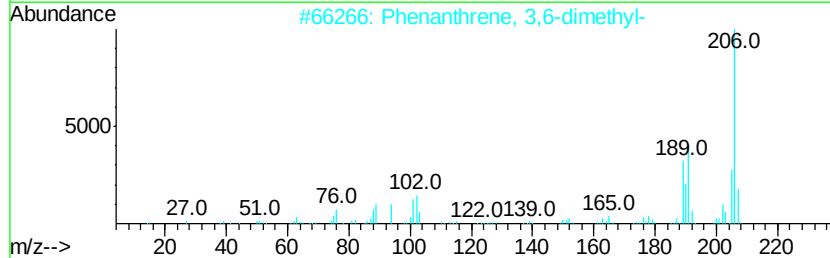
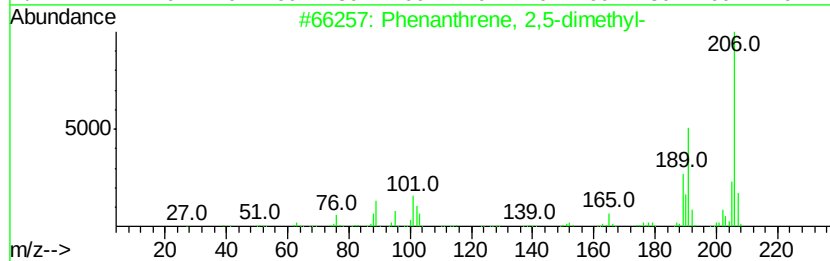
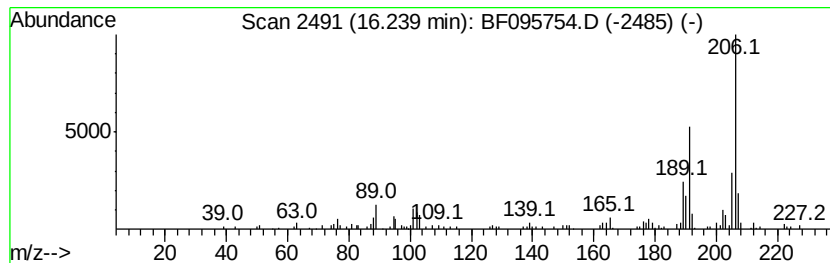
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.24	15.78 ng	314802	Phenanthrene-d10	14.64		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene,	2,5-dimethyl-	206	C16H14	003674-66-6	98
2	Phenanthrene,	3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene,	1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene,	2,7-dimethyl-	206	C16H14	001576-69-8	93
5	Phenanthrene,	2,3-dimethyl-	206	C16H14	003674-65-5	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF060717\
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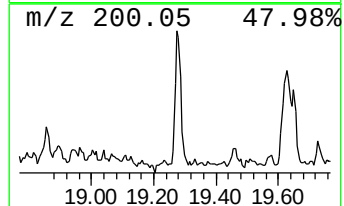
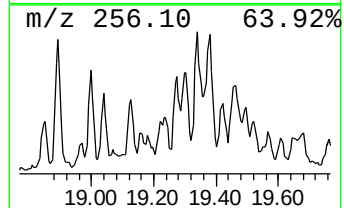
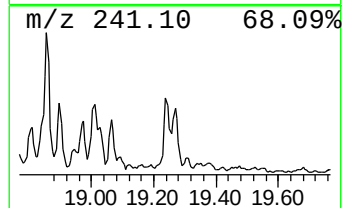
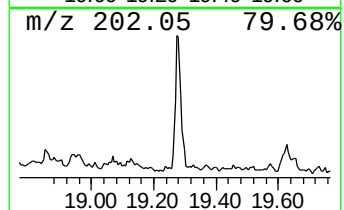
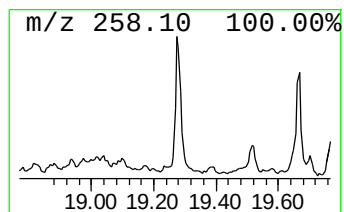
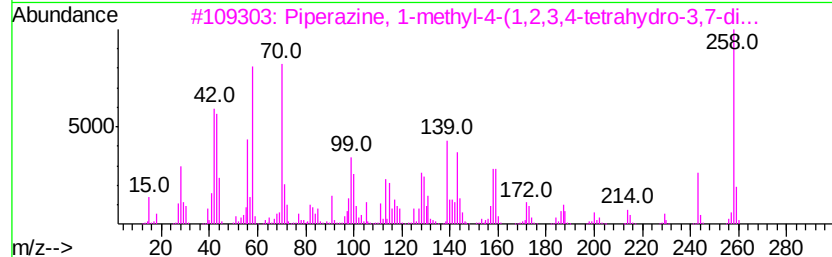
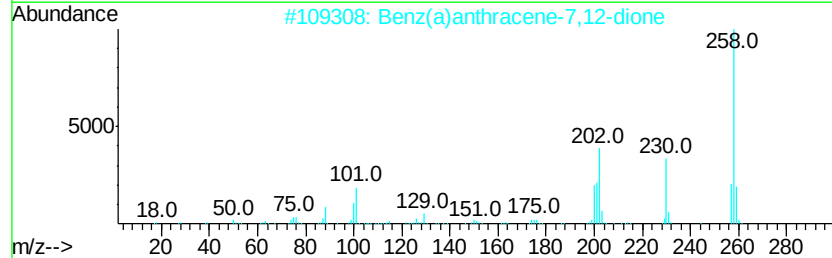
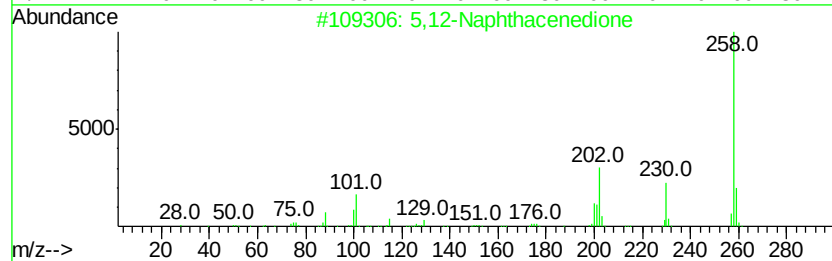
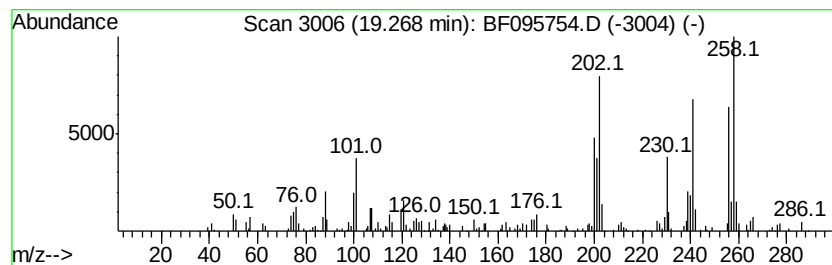
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 5,12-Naphthacenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.27	23.04 ng	236950	Perylene-d12	20.02
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	5,12-Naphthacenedione	258 C18H10O2	001090-13-7	93
2	Benz(a)anthracene-7,12-dione	258 C18H10O2	002498-66-0	93
3	Piperazine, 1-methyl-4-(1,2,3,4-...	258 C17H26N2	055591-14-5	92
4	1,8-Anthracenedinitrile, 9,10-di...	258 C16H6N2O2	090866-50-5	89
5	1,4-Chrysenequinone	258 C18H10O2	100900-16-1	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060717\
Data File : BF095754.D
Acq On : 7 Jun 2017 19:31
Operator : SJ/MA
Sample : I3479-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

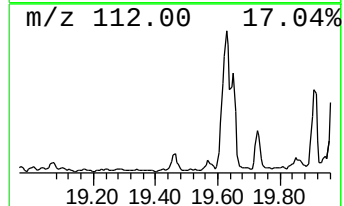
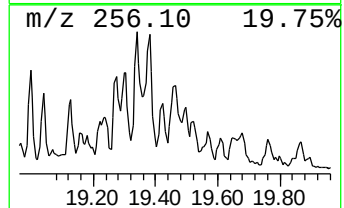
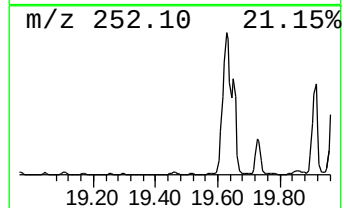
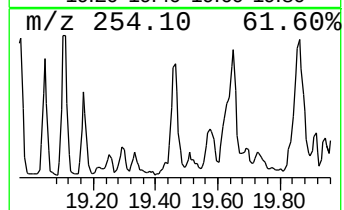
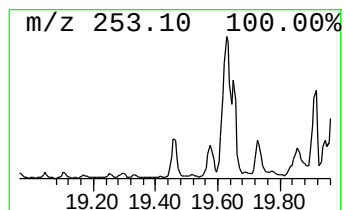
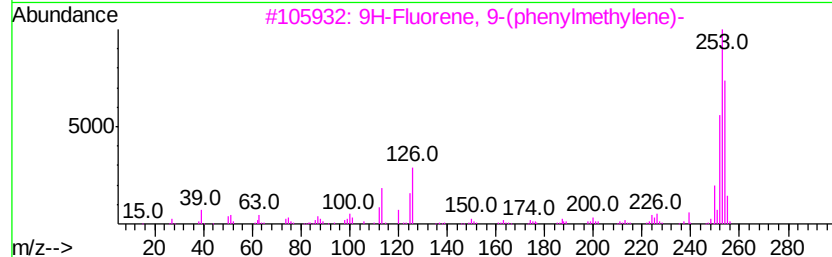
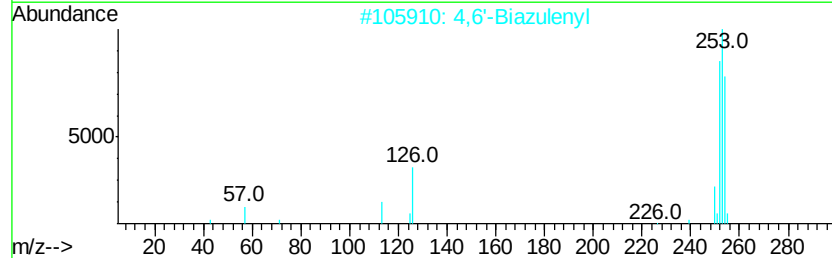
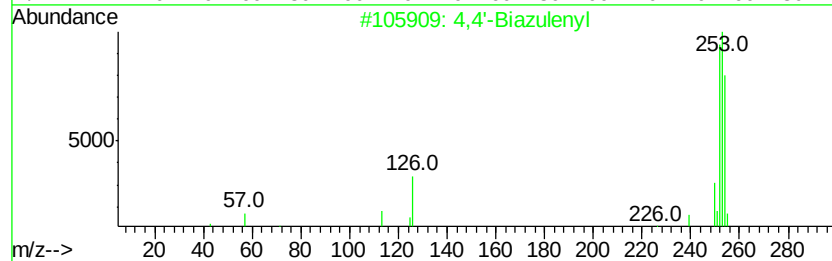
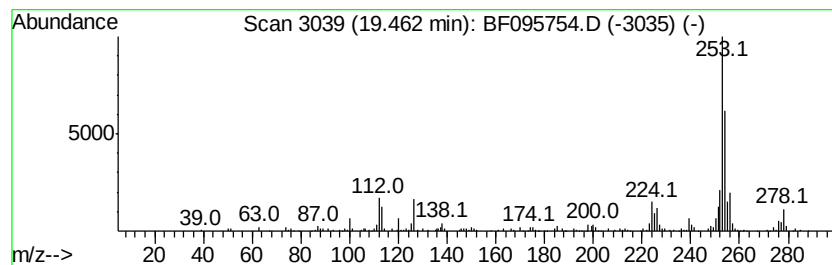
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 4,4'-Biazulenyl Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.46	16.30 ng	167623	Perylene-d12	20.02
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		4,4'-Biazulenyl	254 C20H14	094053-54-0 62
2		4,6'-Biazulenyl	254 C20H14	094154-49-1 62
3		9H-Fluorene, 9-(phenylmethylene)-	254 C20H14	001836-87-9 58
4		3H-Pyrrolo[3,2-f]quinoline, 5-me...	254 C16H18N2O	1000350-44-1 49
5		Anthracene, 9-phenyl-	254 C20H14	000602-55-1 46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060717\
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Sample : I3479-09
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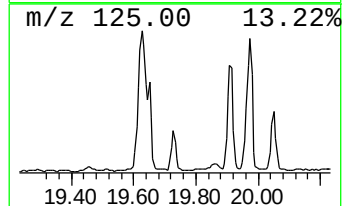
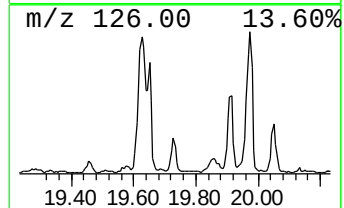
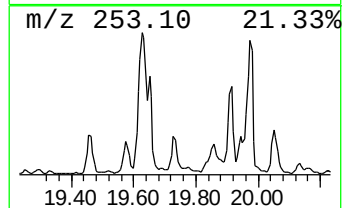
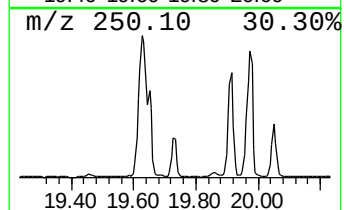
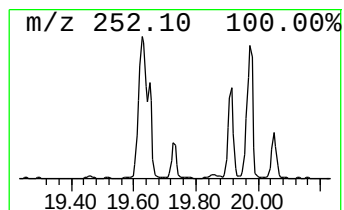
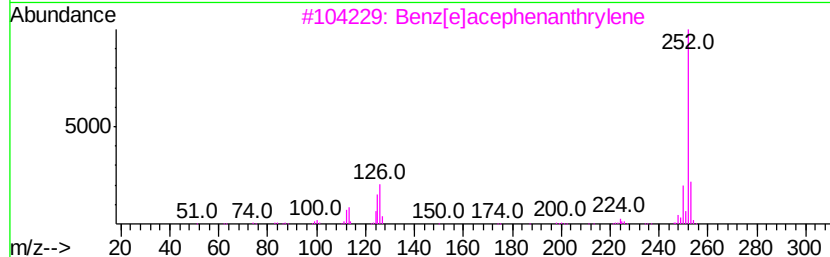
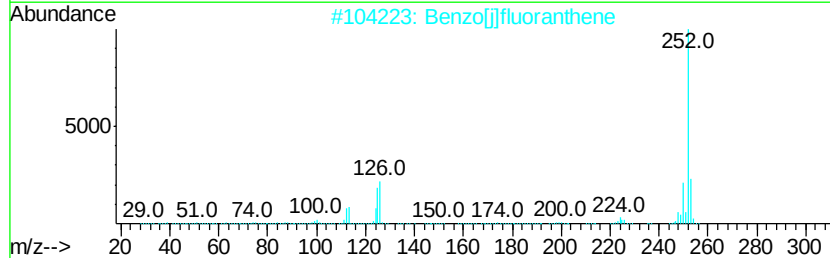
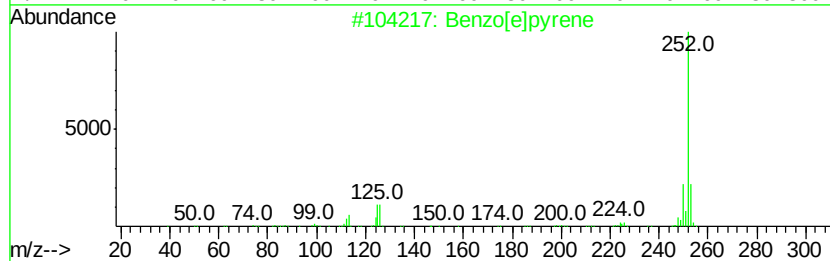
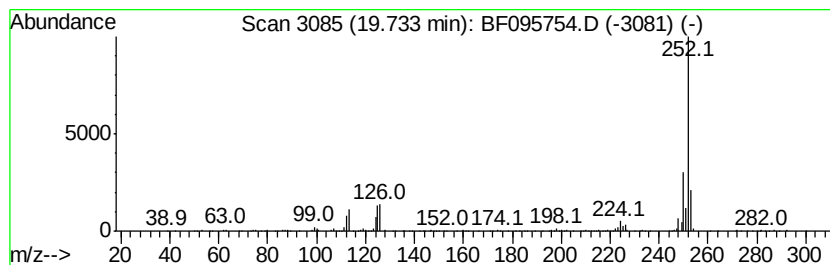
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.73	32.31 ng	332258	Perylene-d12	20.02	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[il]fluoranthene	252	C20H12	000205-82-3	96
3	Benz[el]acephenanthrylene	252	C20H12	000205-99-2	96
4	Perylene	252	C20H12	000198-55-0	96
5	Benzo[a]pyrene	252	C20H12	000050-32-8	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060717\
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Operator : SJ/MA
Sample : I3479-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

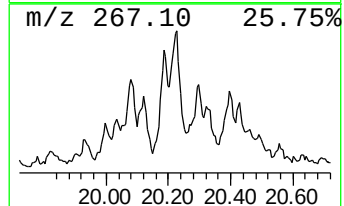
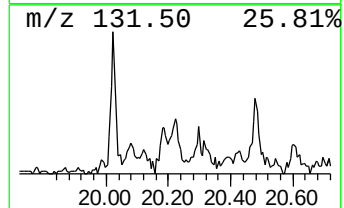
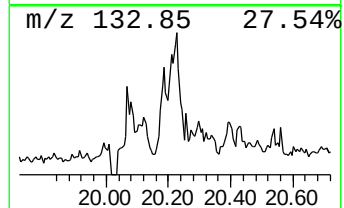
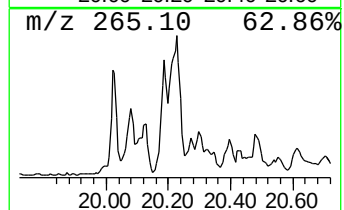
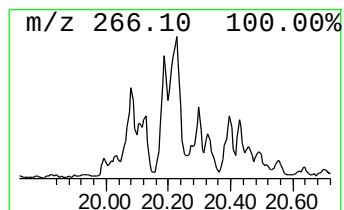
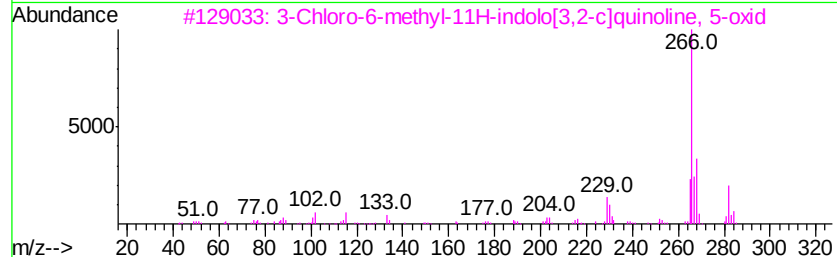
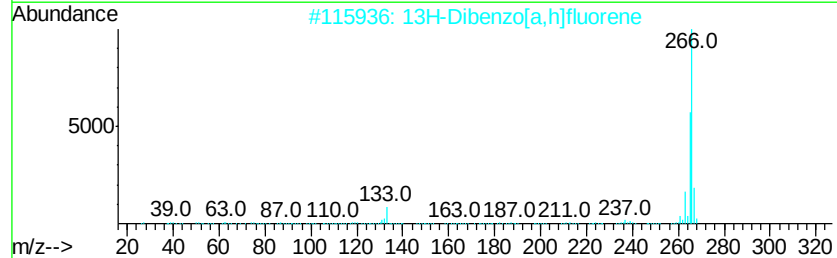
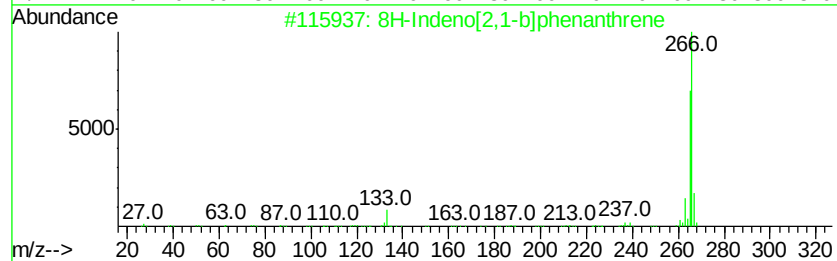
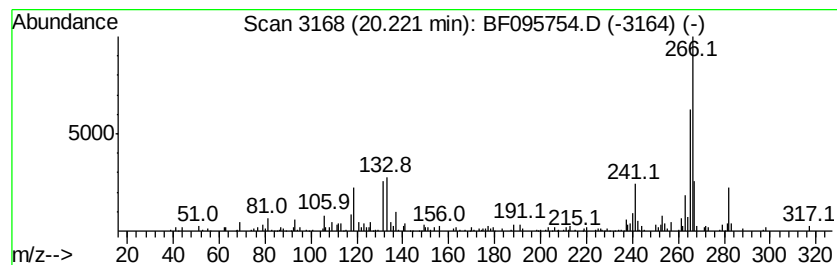
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 8H-Indeno[2,1-b]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.		
20.22	22.11 ng	227446	Perylene-d12	20.02		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	78	
2	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	55	
3	3-Chloro-6-methyl-11H-indolo[3,2...	282	C16H11ClN2O	1000212-76-7	46	
4	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	45	
5	4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	43	



Data Path : Z:\HPCHEM1\BNA F\DATA\BF060717\
Data File : BF095754.D
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Sample : I3479-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

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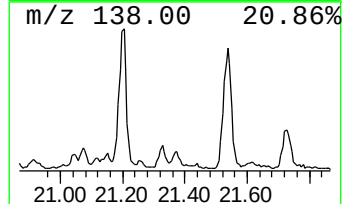
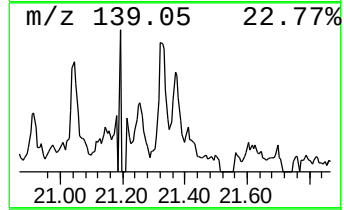
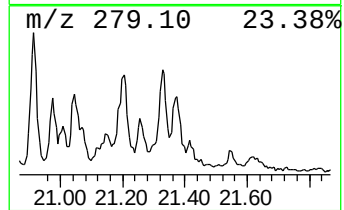
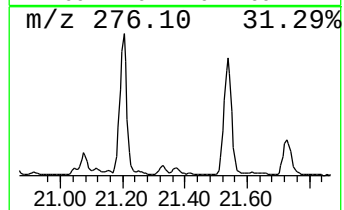
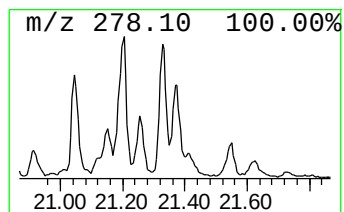
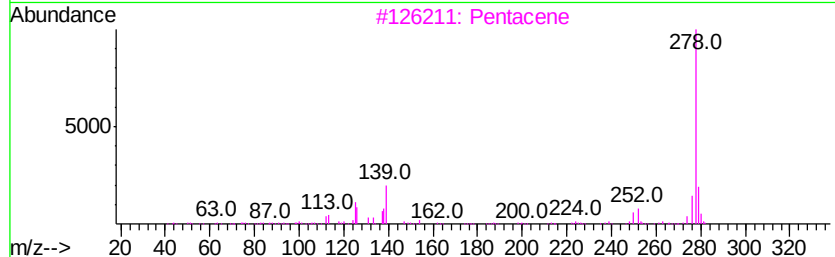
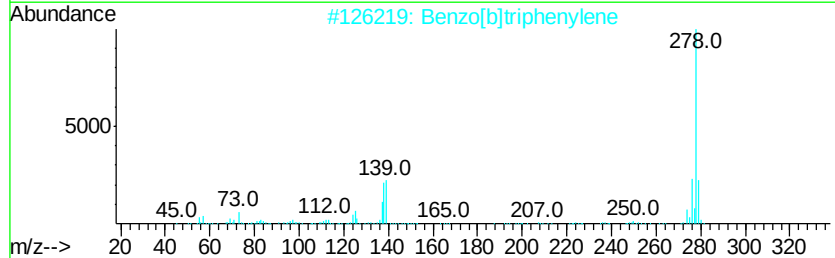
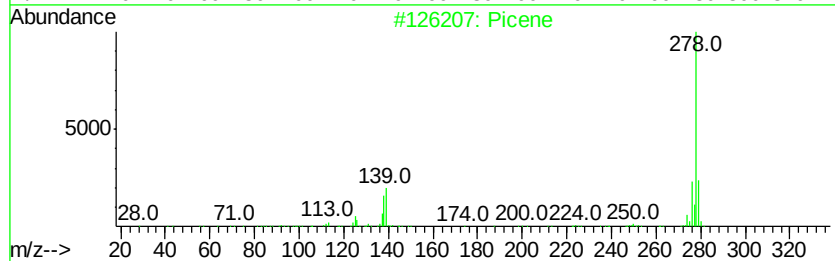
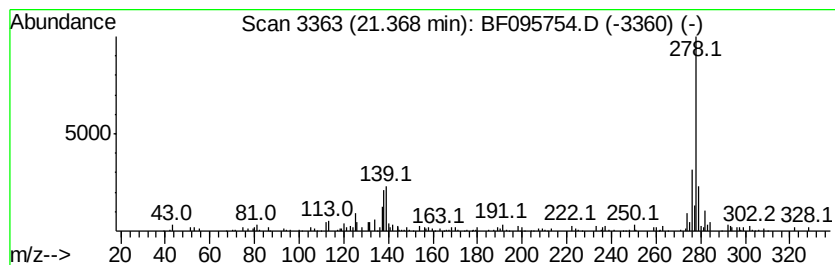
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Picene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	13.20 ng	135779	Perylene-d12	20.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Picene	278	C22H14	000213-46-7	93
2		Benzo[b]triphenylene	278	C22H14	000215-58-7	93
3		Pentacene	278	C22H14	000135-48-8	78
4		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	64
5		Benzo[a]naphthacene	278	C22H14	000226-88-0	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060717\
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Acq On : 7 Jun 2017 19:31
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Sample : I3479-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

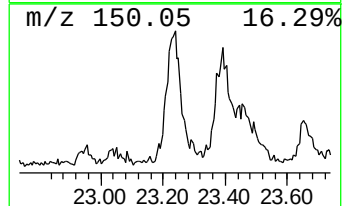
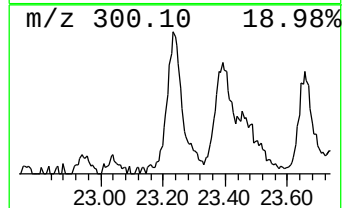
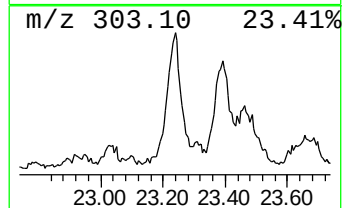
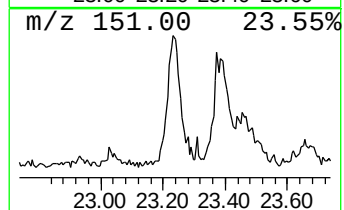
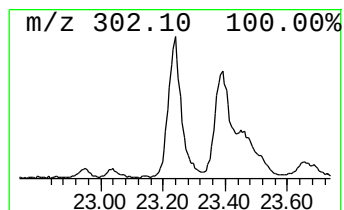
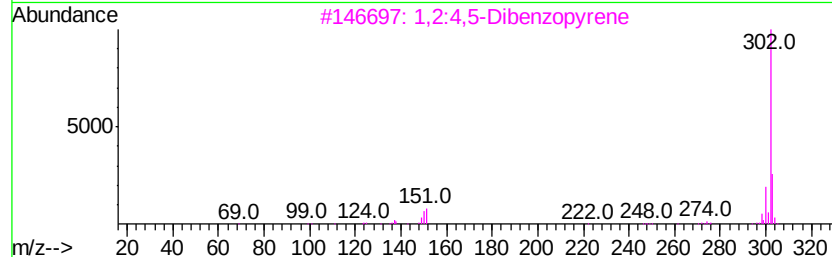
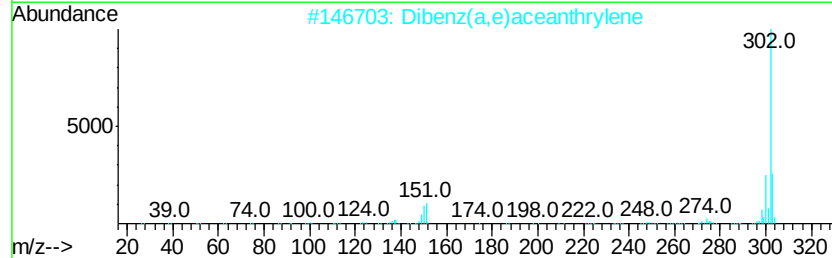
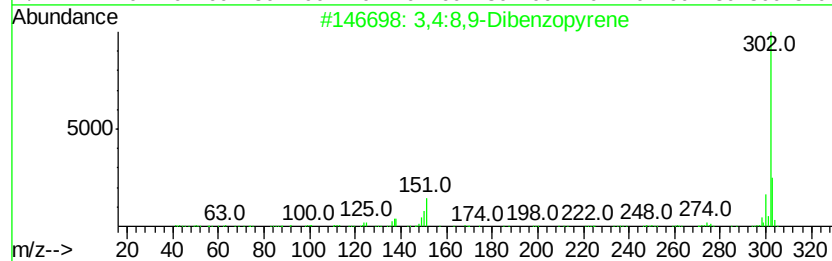
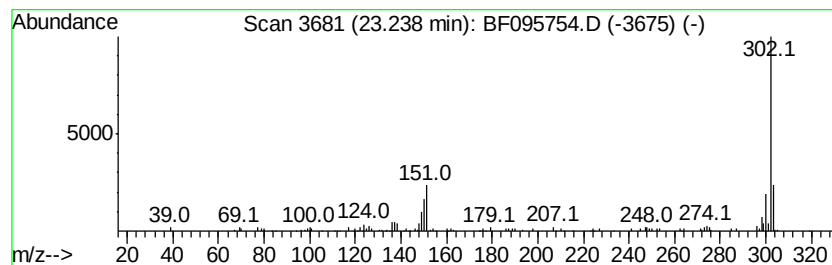
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 3,4:8,9-Dibenzopyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
23.24	20.70 ng	212916	Perylene-d12	20.02	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4:8,9-Dibenzopvrene	302	C24H14	000189-64-0	93
2	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	91
3	1,2:4,5-Dibenzopvrene	302	C24H14	000192-65-4	91
4	Dibenzo(a,i)pvrene	302	C24H14	000189-55-9	87
5	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	74



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 ALS Vial : 12 Sample Multiplier: 1

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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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9H-Fluorene, 1-me...	14.03	11.7	ng	232592	4	14.64	398879	20.0
Naphtho[2,3-b]thi...	14.46	21.0	ng	418254	4	14.64	398879	20.0
Phenanthrene, 2-m...	15.44	27.6	ng	549797	4	14.64	398879	20.0
Phenanthrene, 3-m...	15.48	30.3	ng	605000	4	14.64	398879	20.0
4H-Cyclopenta[def...	15.59	51.7	ng	1030930	4	14.64	398879	20.0
Phenanthrene, 4-m...	15.63	23.9	ng	476124	4	14.64	398879	20.0
Naphthalene, 2-ph...	15.89	22.7	ng	452347	4	14.64	398879	20.0
Phenanthrene, 2,5...	16.24	15.8	ng	314802	4	14.64	398879	20.0
5,12-Naphthacened...	19.27	23.0	ng	236950	6	20.02	205698	20.0
4,4'-Biazulenyl	19.46	16.3	ng	167623	6	20.02	205698	20.0
Benzo[e]pyrene	19.73	32.3	ng	332258	6	20.02	205698	20.0
8H-Indeno[2,1-b]p...	20.22	22.1	ng	227446	6	20.02	205698	20.0
Picene	21.37	13.2	ng	135779	6	20.02	205698	20.0
3,4:8,9-Dibenzopy...	23.24	20.7	ng	212916	6	20.02	205698	20.0