

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050617\
 Data File : BF094975.D
 Acq On : 8 May 2017 8:22
 Operator : SJ/MA
 Sample : I2996-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-01

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	5.001	517	521	534	rBV	58608	119557	2.50%	0.214%
2	5.666	630	634	662	rBV	226147	513921	10.76%	0.918%
3	7.254	901	904	921	rBV	249844	569539	11.92%	1.018%
4	7.378	921	925	936	rVB	471854	709101	14.85%	1.267%
5	7.719	978	983	992	rBV	454710	564866	11.83%	1.009%
6	7.954	1019	1023	1033	rBV	417901	513452	10.75%	0.917%
7	8.613	1131	1135	1153	rBV	187460	331334	6.94%	0.592%
8	9.736	1322	1326	1330	rBV	518096	645167	13.51%	1.153%
9	9.772	1330	1332	1341	rVB	84326	123393	2.58%	0.220%
10	10.901	1520	1524	1533	rBV	100014	135915	2.85%	0.243%
11	11.054	1544	1550	1564	rBV	87303	125895	2.64%	0.225%
12	11.507	1623	1627	1645	rBV	578502	714474	14.96%	1.277%
13	12.042	1712	1718	1722	rBV	89689	126755	2.65%	0.226%
14	12.207	1742	1746	1759	rBV2	55269	142375	2.98%	0.254%
15	12.566	1802	1807	1812	rBV2	609452	783599	16.41%	1.400%
16	12.618	1812	1816	1823	rVB	381608	486633	10.19%	0.869%
17	12.907	1861	1865	1875	rBV	256715	377655	7.91%	0.675%
18	13.460	1954	1959	1969	rVV	577835	749077	15.68%	1.338%
19	13.736	2002	2006	2016	rVB	143650	186993	3.91%	0.334%
20	13.865	2023	2028	2036	rBV	399287	607068	12.71%	1.085%
21	14.365	2105	2113	2116	rBV	98682	162543	3.40%	0.290%
22	14.589	2147	2151	2155	rBV2	74489	112998	2.37%	0.202%
23	14.683	2164	2167	2176	rVB	149600	202104	4.23%	0.361%
24	14.801	2183	2187	2192	rVB	191951	240581	5.04%	0.430%
25	14.971	2209	2216	2218	rBV	547847	695070	14.55%	1.242%
26	15.018	2218	2224	2228	rVV	3096734	4497059	94.15%	8.035%
27	15.089	2230	2236	2246	rVB	1109403	1400150	29.31%	2.502%
28	15.371	2280	2284	2295	rVV2	214654	394699	8.26%	0.705%
29	15.454	2295	2298	2302	rVV	81954	108559	2.27%	0.194%
30	15.748	2343	2348	2352	rVV	445385	532496	11.15%	0.951%
31	15.789	2352	2355	2359	rVV	596088	680839	14.25%	1.216%
32	15.859	2364	2367	2370	rBV	247170	267695	5.60%	0.478%
33	15.901	2370	2374	2377	rVV2	799854	947818	19.84%	1.694%
34	15.942	2377	2381	2386	rVB2	293156	398378	8.34%	0.712%

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Integrator: RTE

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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	16.189	2419	2423	2428	rVV	359295	425742	8.91%	0.761%
36	16.236	2428	2431	2438	rVB	220269	259582	5.43%	0.464%
37	16.401	2455	2459	2463	rBV	72141	107197	2.24%	0.192%
38	16.448	2463	2467	2470	rVV	93135	111922	2.34%	0.200%
39	16.548	2478	2484	2487	rBV	183555	233272	4.88%	0.417%
40	16.589	2487	2491	2495	rVV2	119197	172938	3.62%	0.309%
41	16.665	2500	2504	2511	rVB2	208670	282849	5.92%	0.505%
42	16.765	2513	2521	2524	rBV	3243169	4776581	100.00%	8.535%
43	16.848	2531	2535	2538	rBV2	128147	146169	3.06%	0.261%
44	16.948	2548	2552	2556	rBV2	144329	225574	4.72%	0.403%
45	17.059	2565	2571	2575	rBV2	2850342	4429344	92.73%	7.914%
46	17.136	2579	2584	2587	rVV	155603	174447	3.65%	0.312%
47	17.236	2595	2601	2605	rBV	277511	312206	6.54%	0.558%
48	17.289	2605	2610	2616	rVB2	564570	694177	14.53%	1.240%
49	17.342	2616	2619	2621	rBV	118687	134767	2.82%	0.241%
50	17.371	2621	2624	2629	rVV2	214589	301068	6.30%	0.538%
51	17.412	2629	2631	2636	rVB	93027	111148	2.33%	0.199%
52	17.477	2636	2642	2645	rBV4	212076	365305	7.65%	0.653%
53	17.512	2645	2648	2653	rVB	601506	685045	14.34%	1.224%
54	17.600	2659	2663	2667	rVB	480274	512032	10.72%	0.915%
55	17.642	2667	2670	2677	rBV3	414283	691131	14.47%	1.235%
56	17.759	2687	2690	2694	rVV	178452	184918	3.87%	0.330%
57	17.800	2694	2697	2702	rVV2	123993	173870	3.64%	0.311%
58	18.183	2759	2762	2768	rVB	273953	324241	6.79%	0.579%
59	18.312	2780	2784	2787	rBV	307277	431228	9.03%	0.770%
60	18.348	2787	2790	2792	rVV	281460	292681	6.13%	0.523%
61	18.371	2792	2794	2797	rVB	232545	230051	4.82%	0.411%
62	18.406	2797	2800	2805	rVB2	215581	266888	5.59%	0.477%
63	18.459	2805	2809	2813	rVB	365046	381353	7.98%	0.681%
64	18.530	2819	2821	2826	rVB	104987	118376	2.48%	0.212%
65	18.630	2829	2838	2842	rBV2	1865880	3248915	68.02%	5.805%
66	18.677	2842	2846	2849	rVB2	1710253	2028035	42.46%	3.624%
67	18.765	2857	2861	2866	rBV	370395	390745	8.18%	0.698%
68	18.836	2870	2873	2876	rVV	154329	183176	3.83%	0.327%
69	18.906	2882	2885	2889	rVV	298744	313122	6.56%	0.559%
70	18.947	2889	2892	2898	rVB	220221	271286	5.68%	0.485%
71	19.095	2913	2917	2920	rBV2	102203	158663	3.32%	0.283%

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

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72	19.136	2920	2924	2929	rVV	359182	512950	10.74%	0.917%
73	19.177	2929	2931	2935	rVB2	165153	165549	3.47%	0.296%
74	19.253	2940	2944	2947	rVV2	255967	332477	6.96%	0.594%
75	19.289	2947	2950	2952	rVV3	186438	271978	5.69%	0.486%
76	19.312	2952	2954	2958	rVV3	189826	283784	5.94%	0.507%
77	19.347	2958	2960	2964	rVV3	99144	142864	2.99%	0.255%
78	19.389	2965	2967	2973	rVV2	99794	161035	3.37%	0.288%
79	19.547	2992	2994	3004	rVB7	94570	157861	3.30%	0.282%
80	19.736	3022	3026	3031	rBV	171002	199719	4.18%	0.357%
81	19.906	3049	3055	3058	rBV	1478204	2518973	52.74%	4.501%
82	19.930	3058	3059	3065	rVB	942629	616064	12.90%	1.101%
83	20.006	3069	3072	3076	rVB	309315	334569	7.00%	0.598%
84	20.124	3085	3092	3094	rBV3	98572	209429	4.38%	0.374%
85	20.194	3099	3104	3107	rBV	877352	1010318	21.15%	1.805%
86	20.253	3110	3114	3119	rBV	1357257	1516774	31.75%	2.710%
87	20.306	3119	3123	3125	rBV	452705	479603	10.04%	0.857%
88	20.336	3125	3128	3131	rVB	292954	312486	6.54%	0.558%
89	20.471	3148	3151	3154	rVV	82581	115348	2.41%	0.206%
90	20.512	3154	3158	3163	rVB2	126533	220575	4.62%	0.394%
91	20.800	3205	3207	3214	rVB	90914	126072	2.64%	0.225%
92	21.341	3295	3299	3303	rVB3	65327	113325	2.37%	0.202%
93	21.424	3309	3313	3316	rBV2	86741	133282	2.79%	0.238%
94	21.600	3337	3343	3350	rBV	595947	1009185	21.13%	1.803%
95	21.747	3363	3368	3372	rBV	139897	249254	5.22%	0.445%
96	21.794	3372	3376	3381	rVB3	105996	172872	3.62%	0.309%
97	21.971	3400	3406	3418	rVB	333366	659105	13.80%	1.178%
98	22.183	3437	3442	3454	rVB	108742	268072	5.61%	0.479%
99	23.888	3724	3732	3741	rBV2	65585	188767	3.95%	0.337%
100	24.047	3752	3759	3766	rBV4	55000	167681	3.51%	0.300%

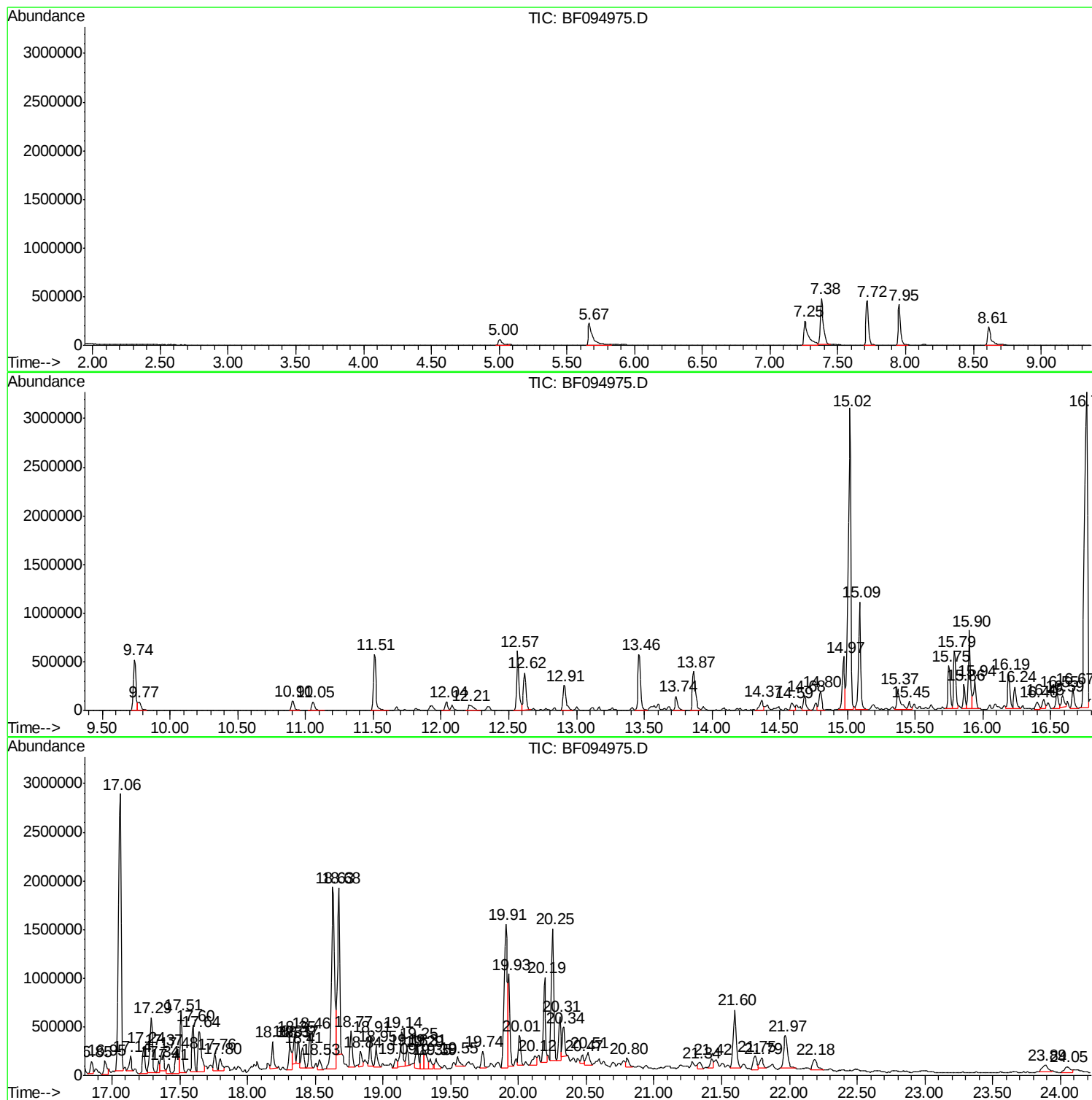
Sum of corrected areas: 55967773

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Instrument :
BNA_F
ClientSampled :
SS-01

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

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



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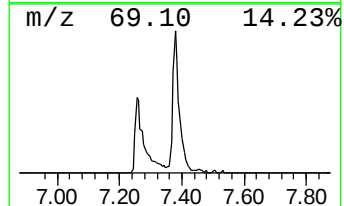
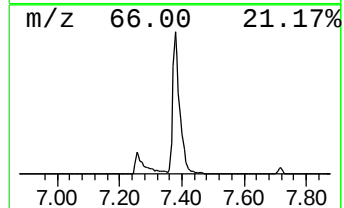
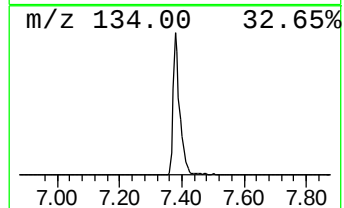
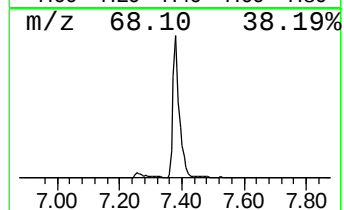
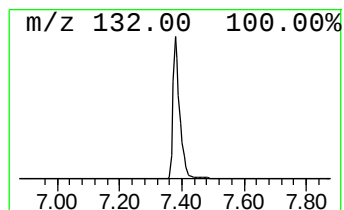
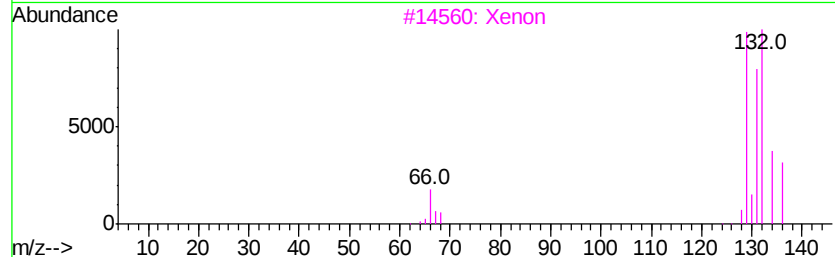
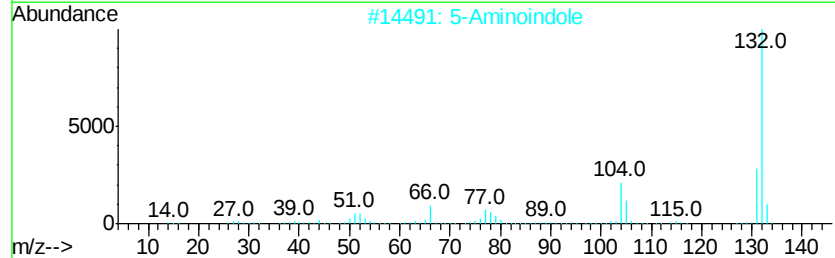
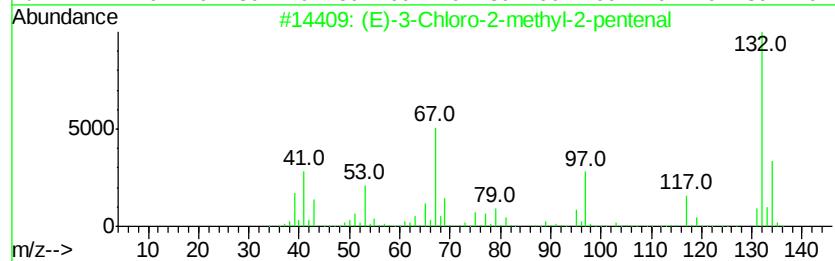
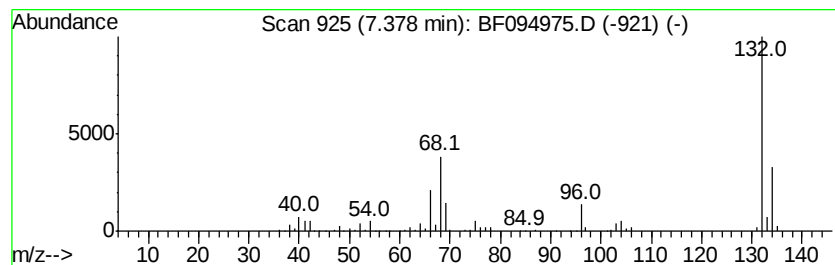
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown7.38 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.38	25.11 ng	709101	1,4-Dichlorobenzene-d4	7.72

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal			132	C6H9ClO	031357-76-3	27
2	5-Aminoindole			132	C8H8N2	005192-03-0	12
3	Xenon			132	Xe	007440-63-3	9
4	2H-Cyclopenta[d]pyridazine, 2-me...			132	C8H8N2	022291-85-6	9
5	4-Methylpyrrolo[1,2-a]pyrazine			132	C8H8N2	064608-60-2	9



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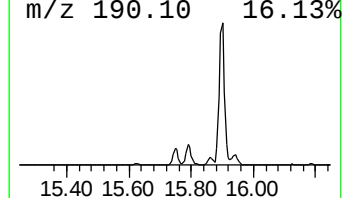
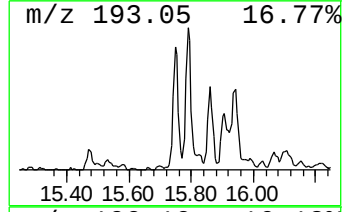
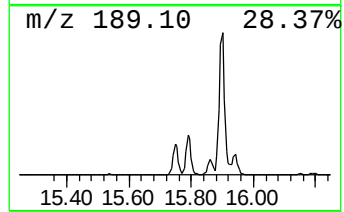
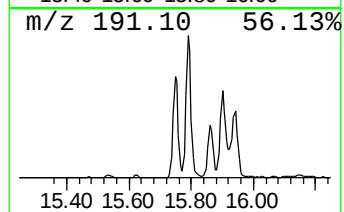
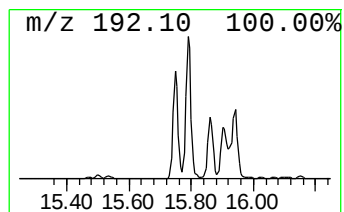
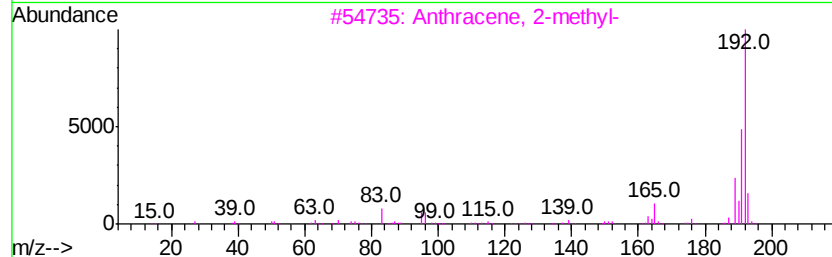
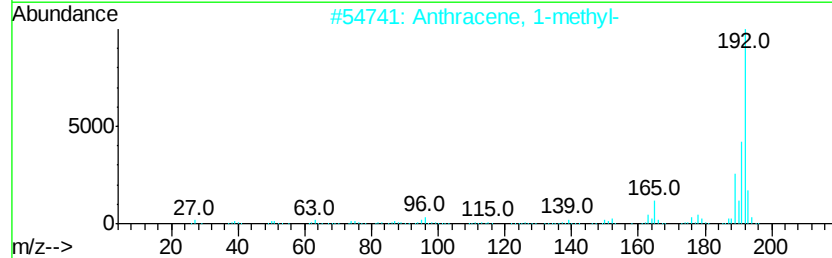
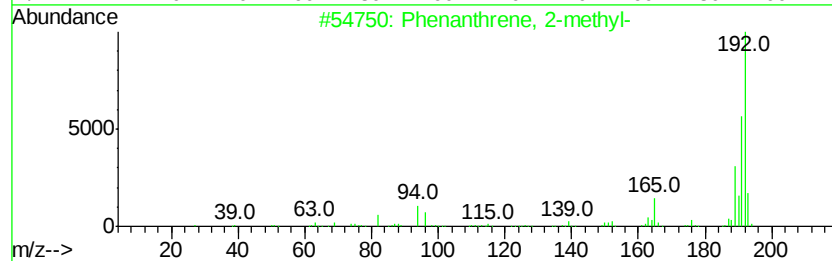
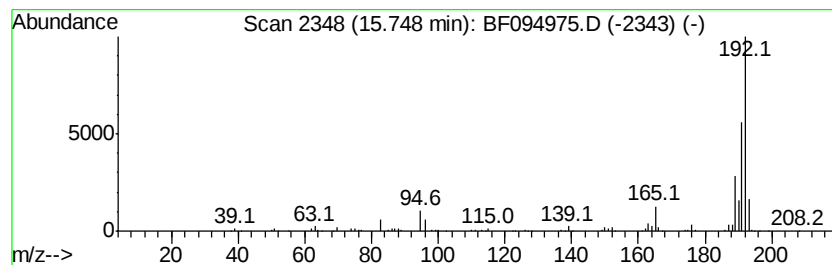
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.75	15.32 ng	532496	Phenanthrene-d10	14.97

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



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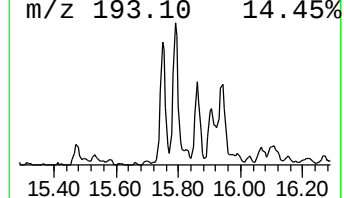
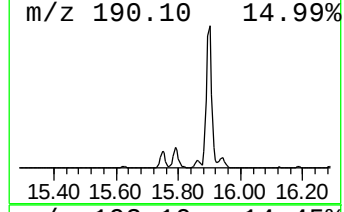
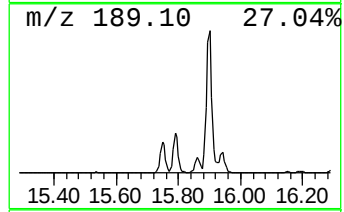
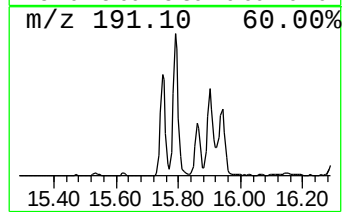
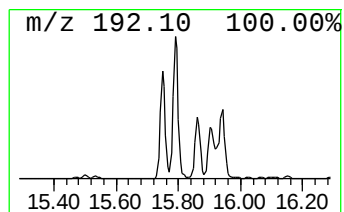
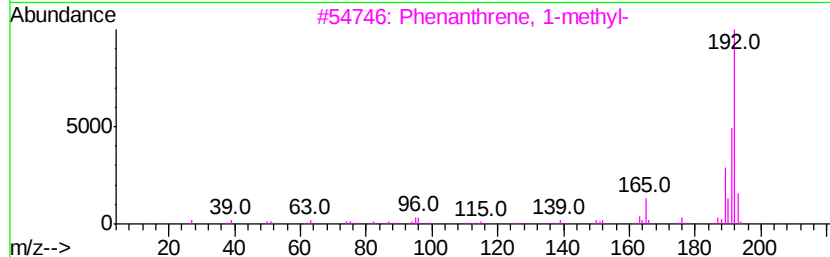
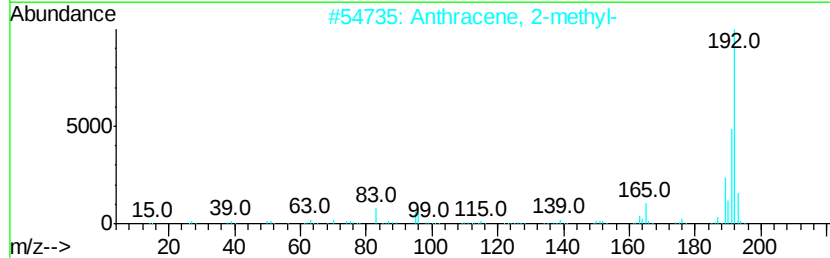
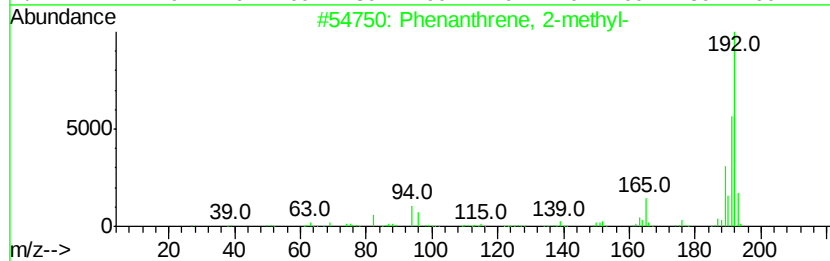
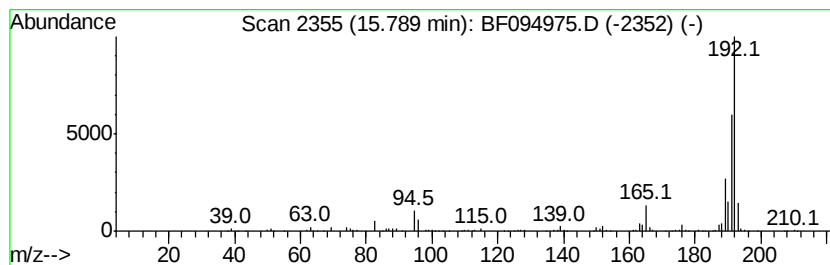
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	19.59 ng	680839	Phenanthrene-d10	14.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	95
5		1H-Cyclopropa[1]phenanthrene, 1a,...	192	C15H12	000949-41-7	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050617\
Data File : BF094975.D
Acq On : 8 May 2017 8:22
Operator : SJ/MA
Sample : I2996-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

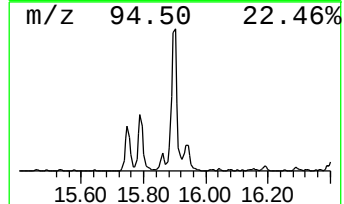
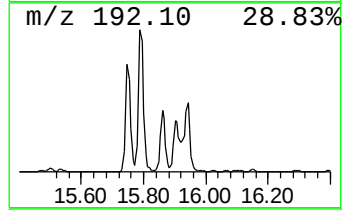
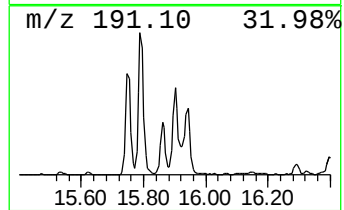
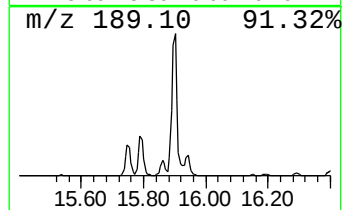
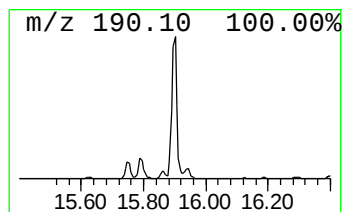
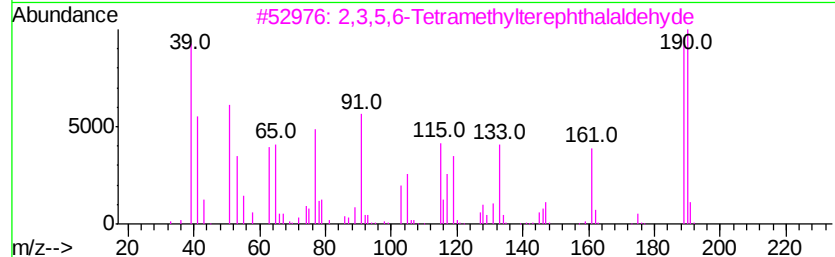
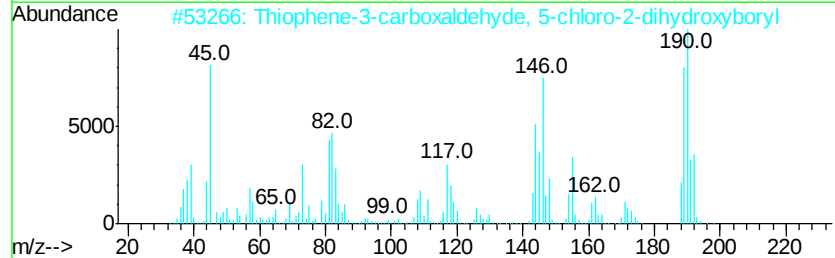
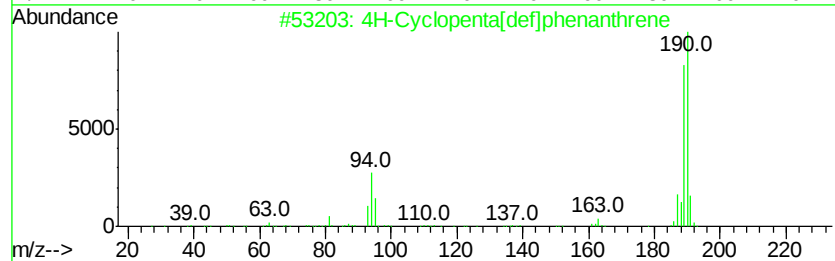
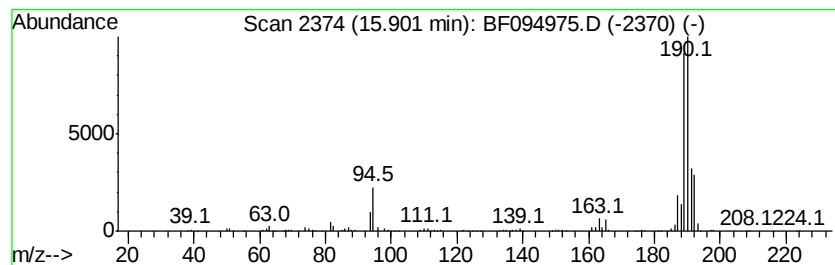
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.90	27.27 ng	947818	Phenanthrene-d10	14.97	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	45
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050617\
Data File : BF094975.D
Acq On : 8 May 2017 8:22
Operator : SJ/MA
Sample : I2996-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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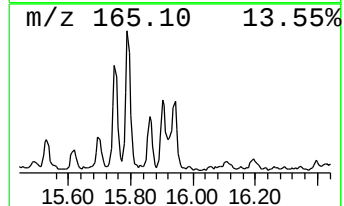
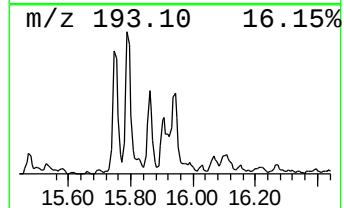
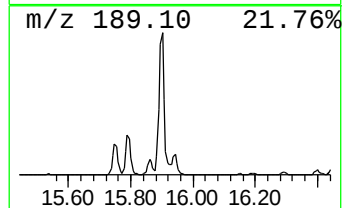
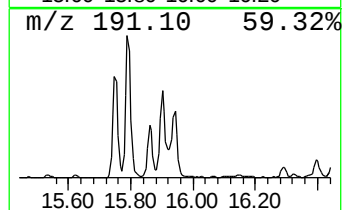
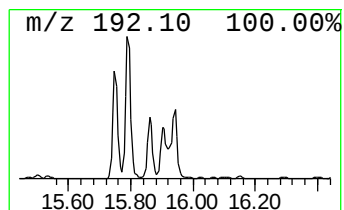
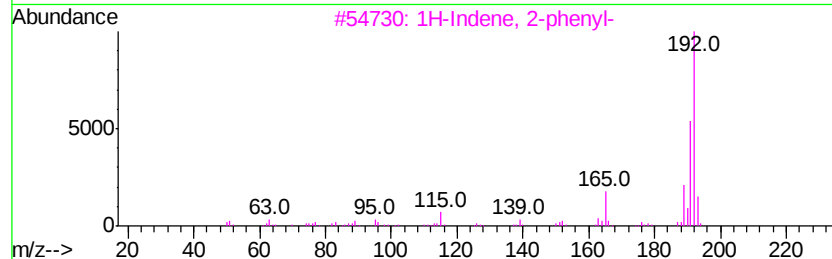
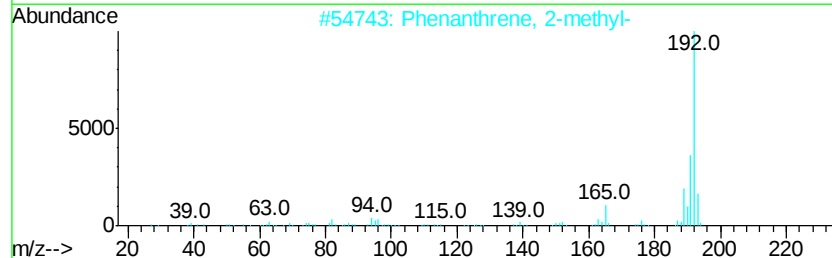
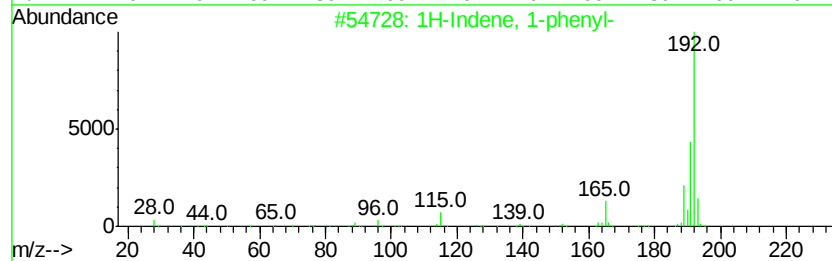
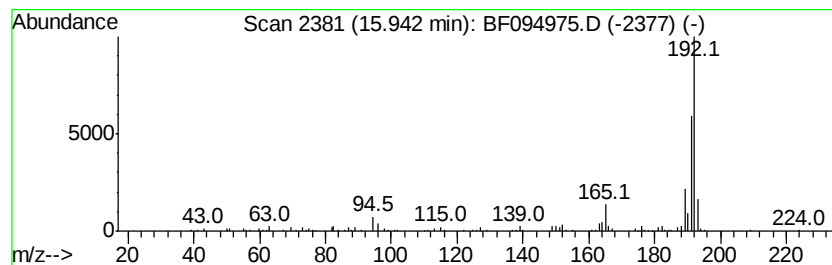
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1H-Indene, 1-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	11.46 ng	398378	Phenanthrene-d10	14.97

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	95
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050617\
Data File : BF094975.D
Acq On : 8 May 2017 8:22
Operator : SJ/MA
Sample : I2996-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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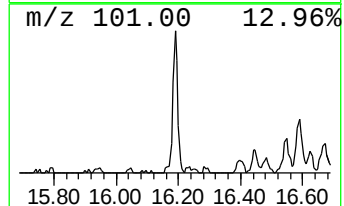
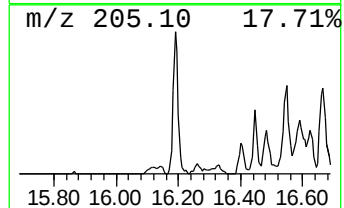
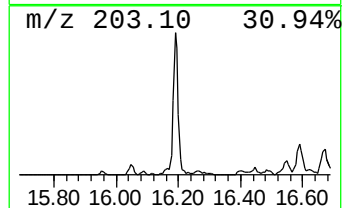
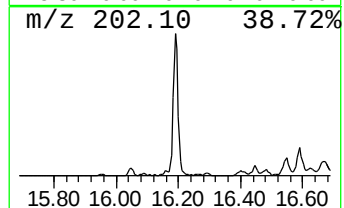
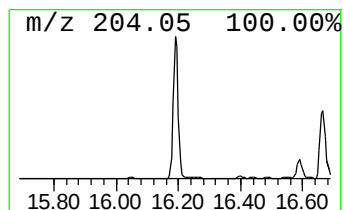
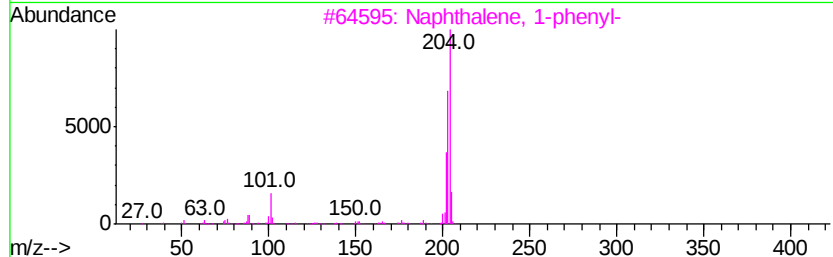
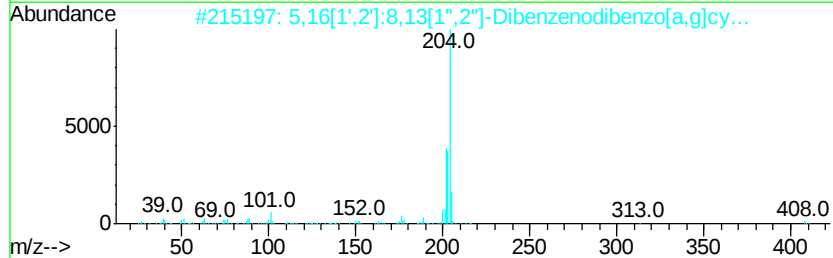
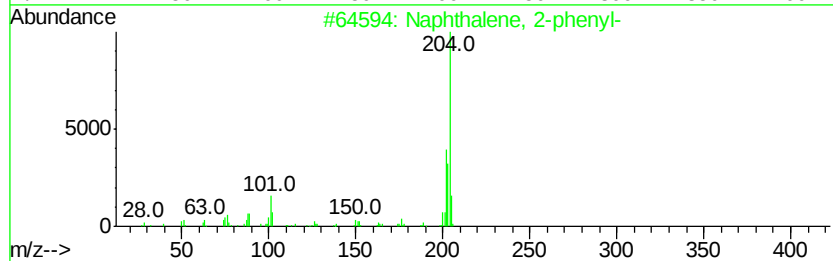
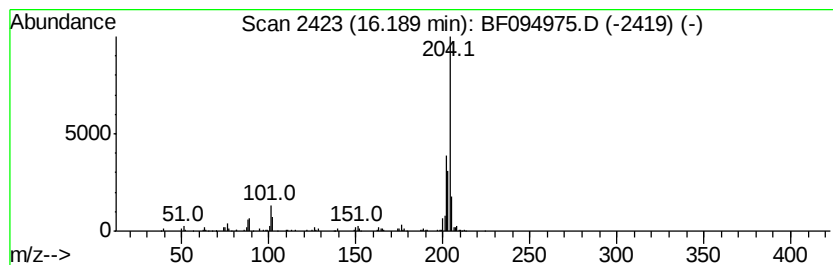
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	12.25 ng	425742	Phenanthrene-d10	14.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	68
5		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050617\
Data File : BF094975.D
Acq On : 8 May 2017 8:22
Operator : SJ/MA
Sample : I2996-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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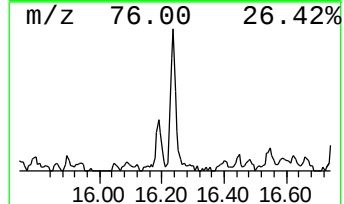
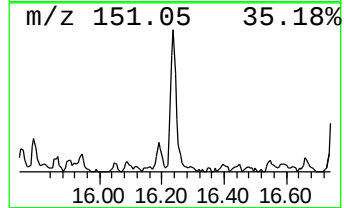
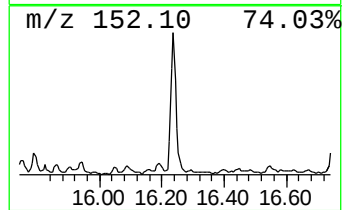
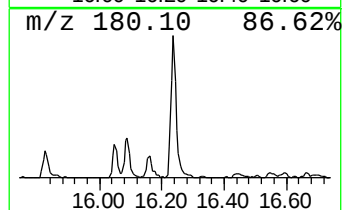
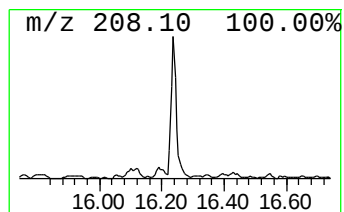
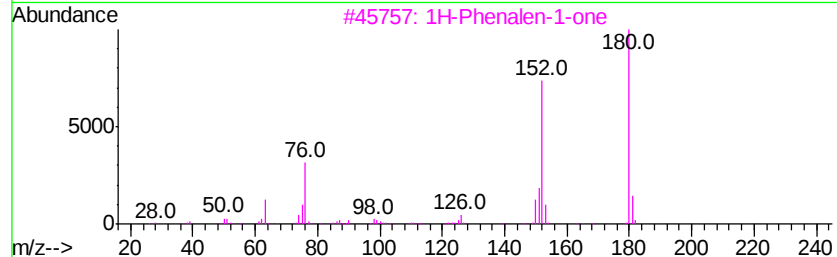
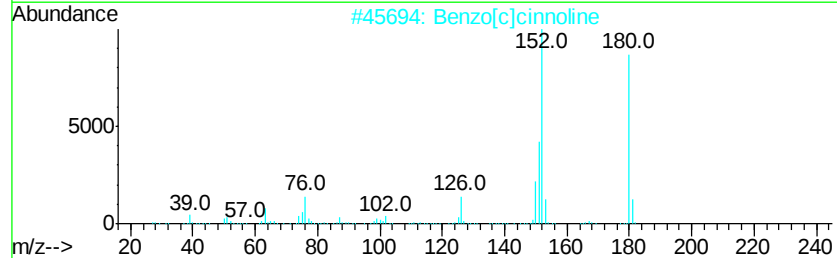
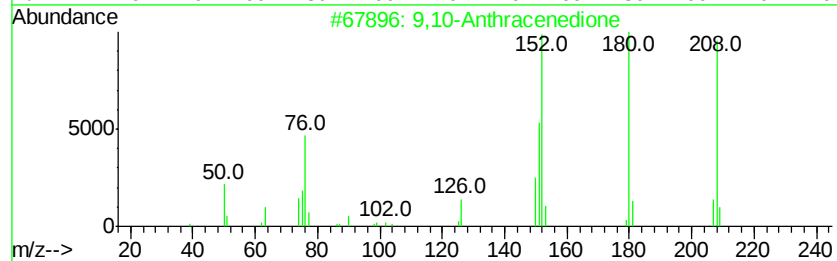
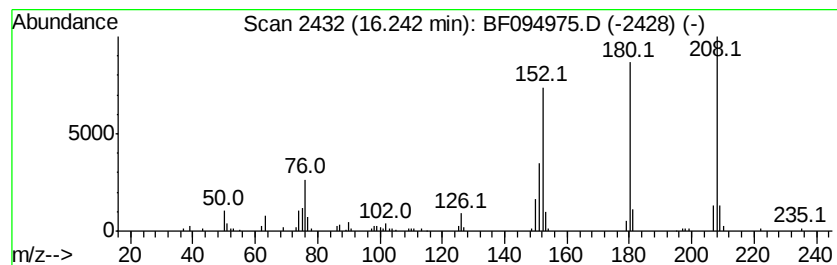
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	7.47 ng	259582	Phenanthrene-d10	14.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
3		1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
4		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	58
5		9H-Fluoren-9-one	180	C13H8O	000486-25-9	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050617\
Data File : BF094975.D
Acq On : 8 May 2017 8:22
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Sample : I2996-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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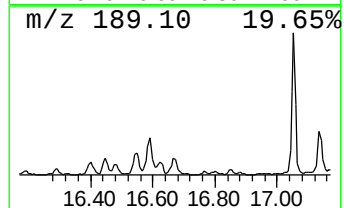
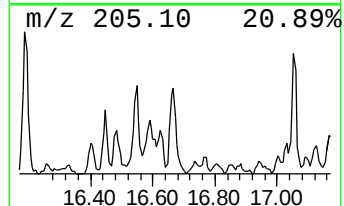
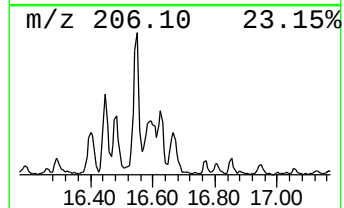
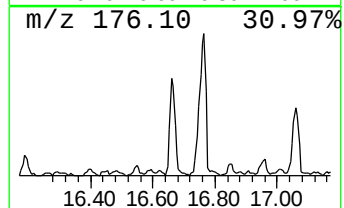
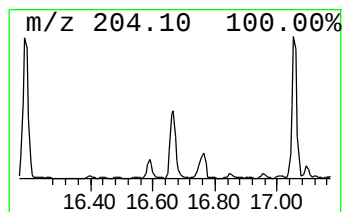
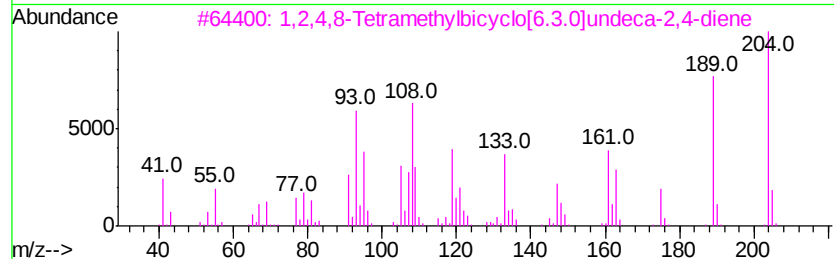
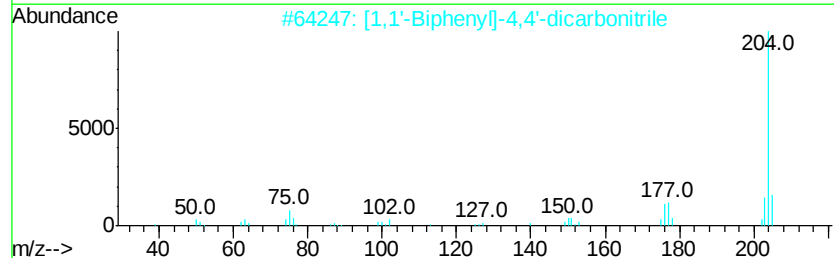
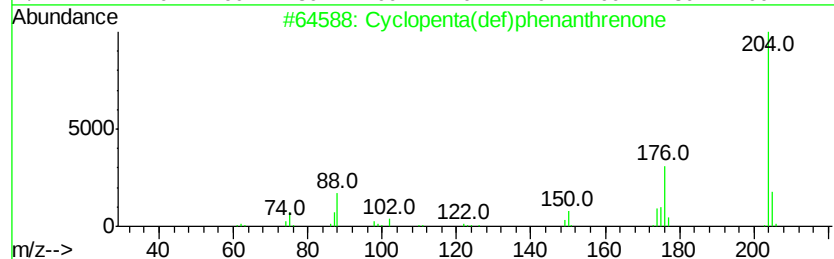
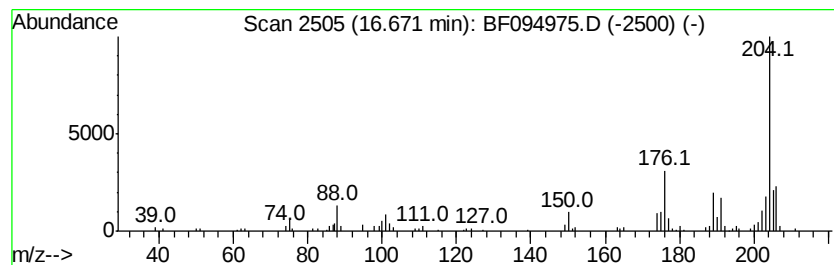
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.67	8.14 ng	282849	Phenanthrene-d10	14.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
3		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	49
4		Benzo[1,2-b:4,3-b']dithiophene, ...	204	C11H8S2	013640-86-3	43
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050617\
Data File : BF094975.D
Acq On : 8 May 2017 8:22
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ClientSampleId :
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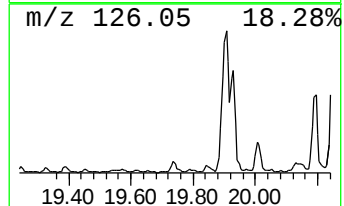
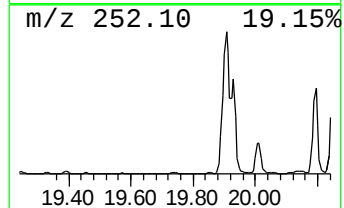
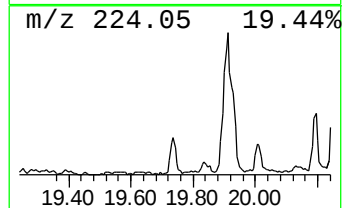
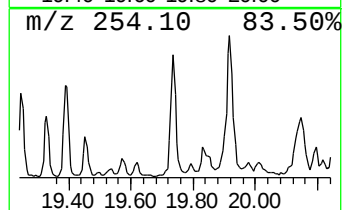
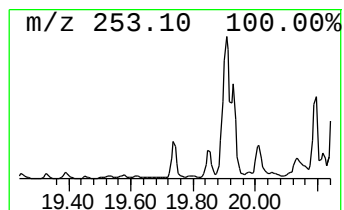
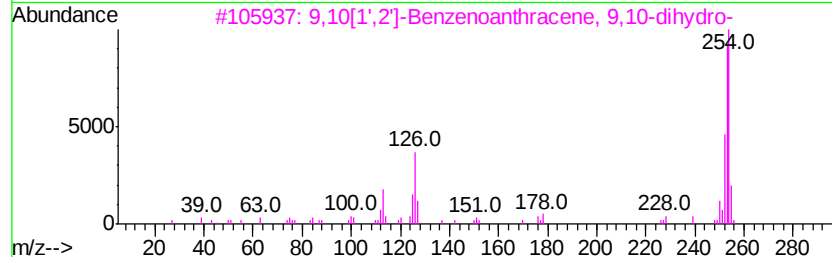
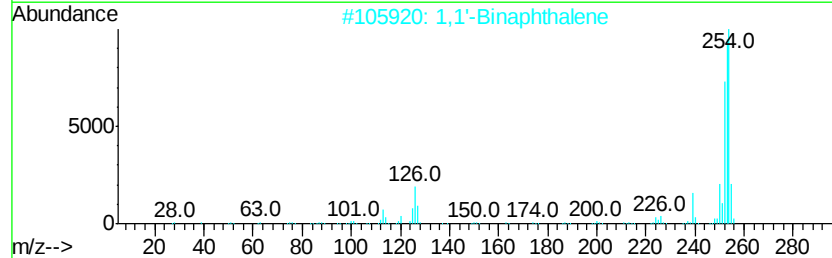
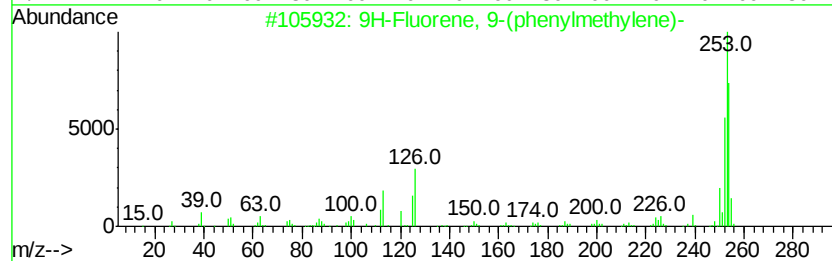
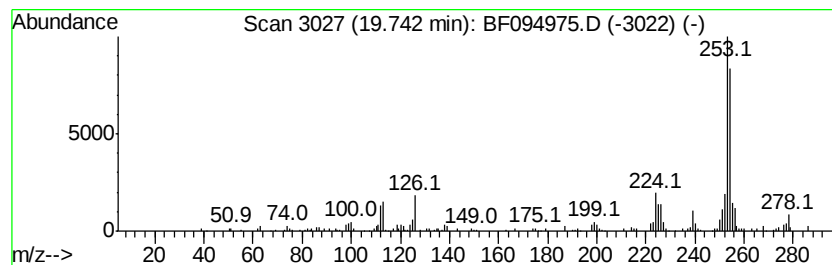
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 9H-Fluorene, 9-(phenylmethy... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.74	8.33 ng	199719	Perylene-d12	20.31

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 9-(phenylmethylen)-	254	C20H14	001836-87-9	81
2			1,1'-Binaphthalene	254	C20H14	000604-53-5	74
3			9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	68
4			Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	64
5			Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	60



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050617\
Data File : BF094975.D
Acq On : 8 May 2017 8:22
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ClientSampleId :
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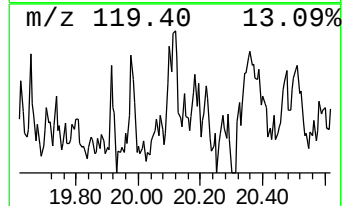
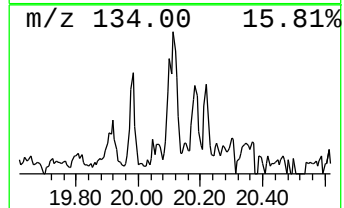
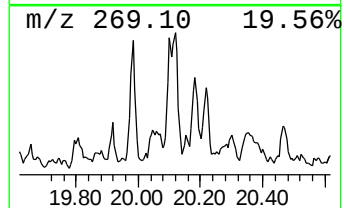
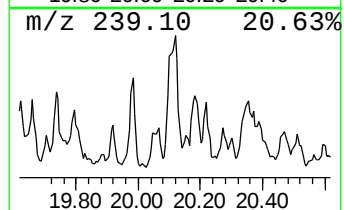
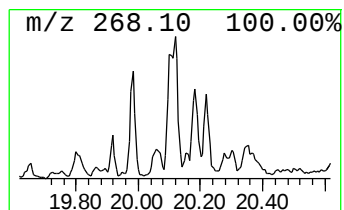
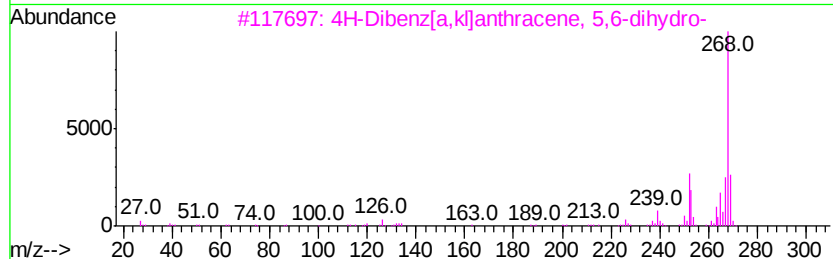
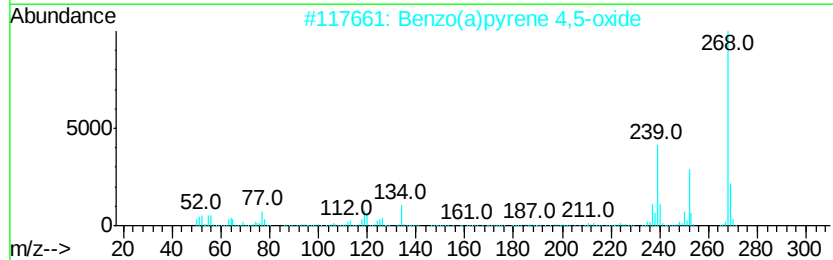
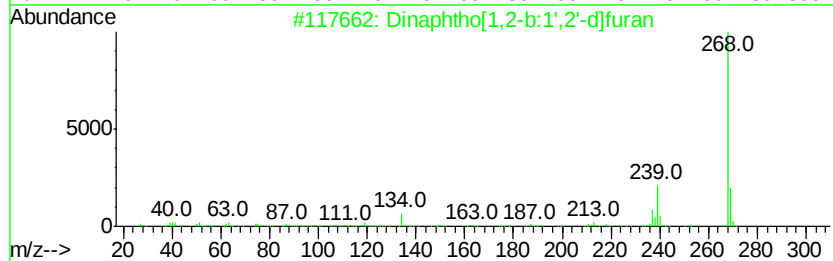
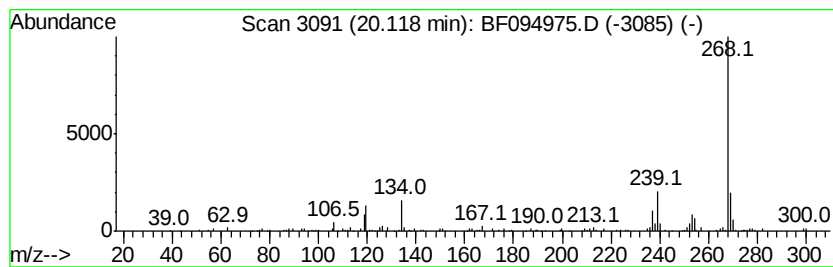
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.12	8.73 ng	209429	Perylene-d12	20.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
2		Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	76
3		4H-Dibenz[a,k]anthracene, 5,6-d...	268	C21H16	007198-87-0	72
4		trans-4,4'-Dimethoxychalcone	268	C17H16O3	041564-67-4	64
5		Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050617\
Data File : BF094975.D
Acq On : 8 May 2017 8:22
Operator : SJ/MA
Sample : I2996-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-01

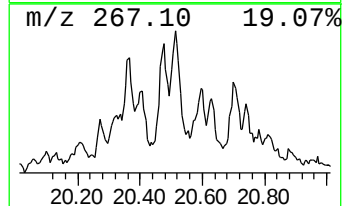
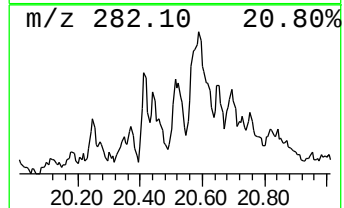
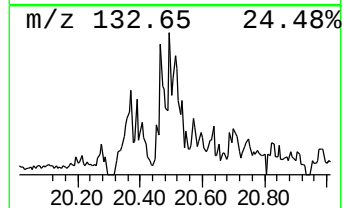
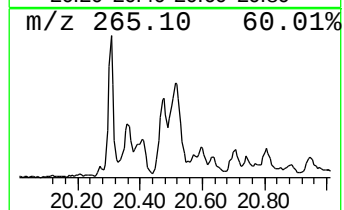
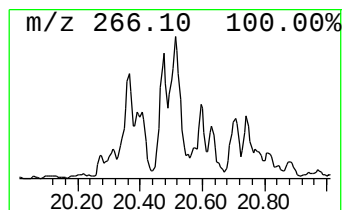
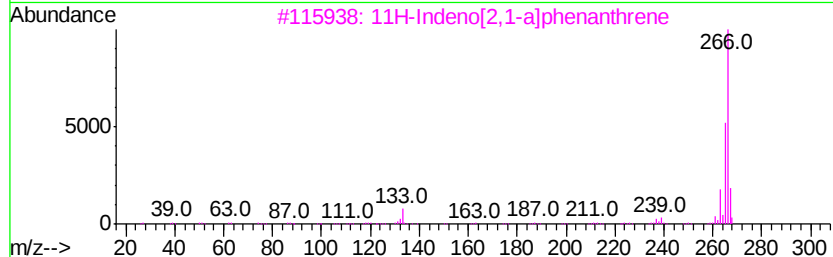
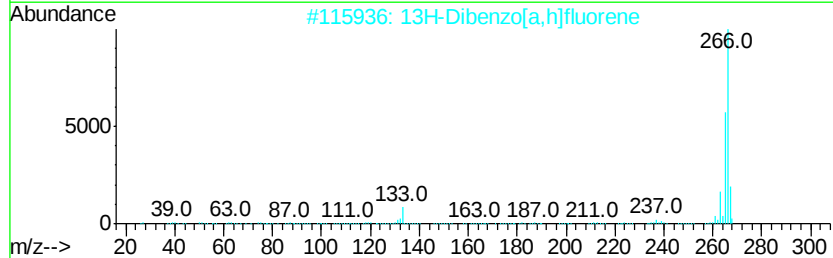
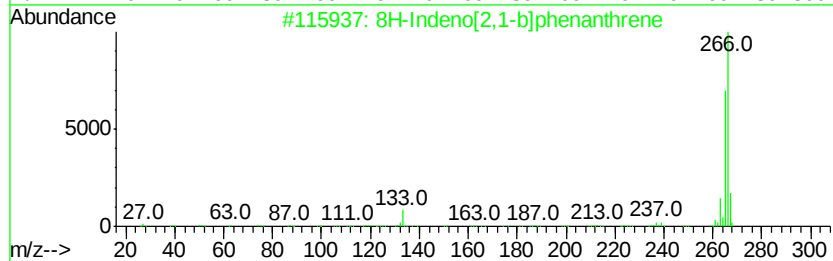
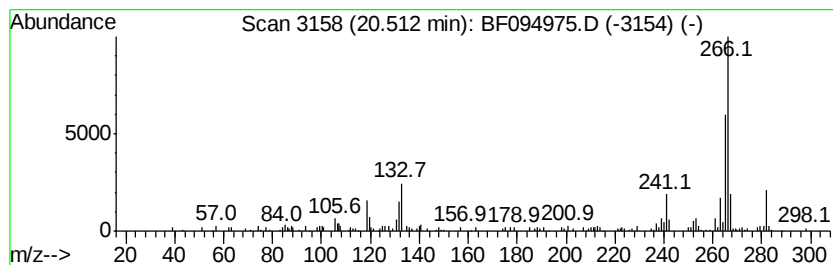
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 8H-Indeno[2,1-b]phenanthrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.51	9.20 ng	220575	Perylene-d12	20.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	76
2		13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	64
3		11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	64
4		Propanamide, 2,2,3,3,3-pentafluoro...	429	C14H9F10N03	072347-72-9	53
5		4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050617\
Data File : BF094975.D
Acq On : 8 May 2017 8:22
Operator : SJ/MA
Sample : I2996-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-01

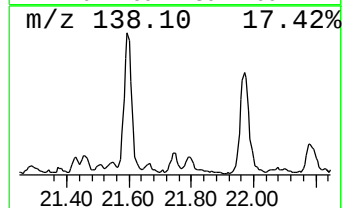
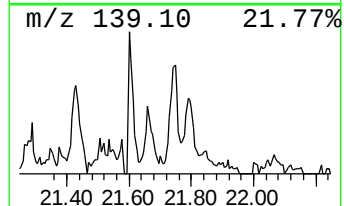
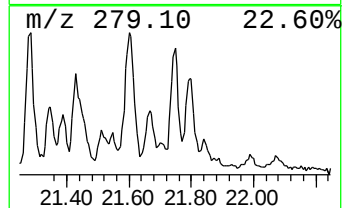
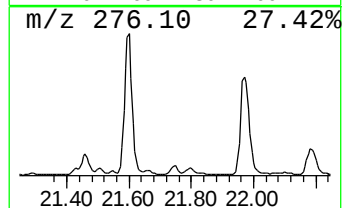
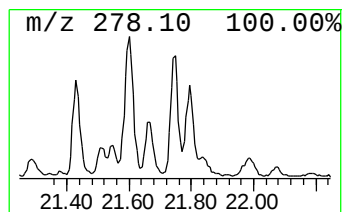
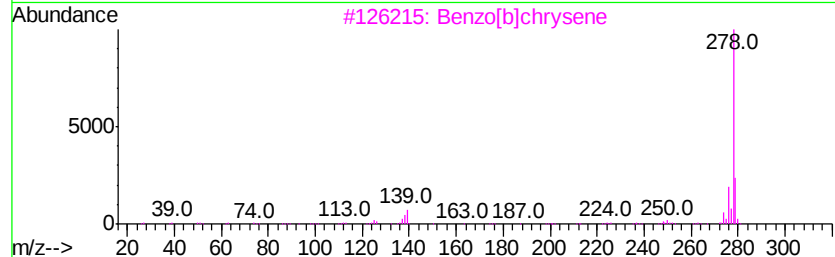
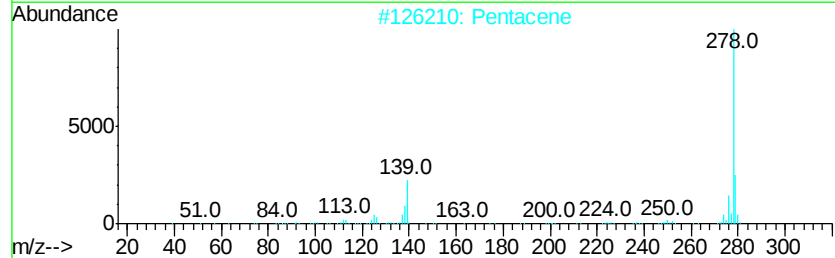
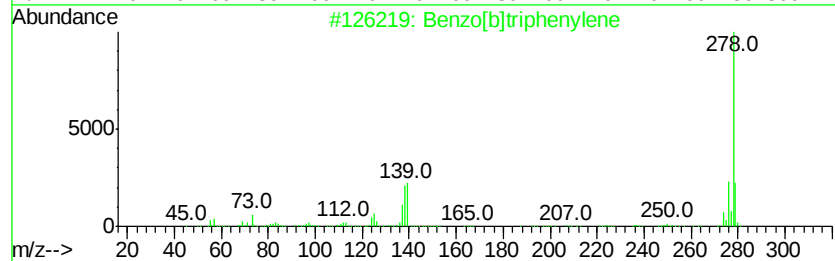
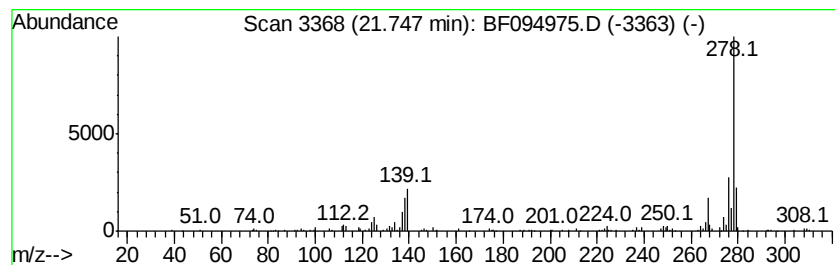
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzo[b]triphenylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.75	10.39 ng	249254	Perylene-d12	20.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	96
2		Pentacene	278	C22H14	000135-48-8	95
3		Benzo[b]chrysene	278	C22H14	000214-17-5	94
4		Picene	278	C22H14	000213-46-7	93
5		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050617\
Data File : BF094975.D
Acq On : 8 May 2017 8:22
Operator : SJ/MA
Sample : I2996-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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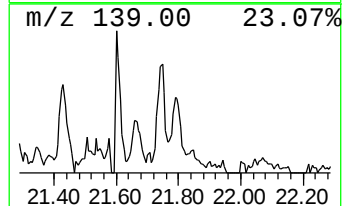
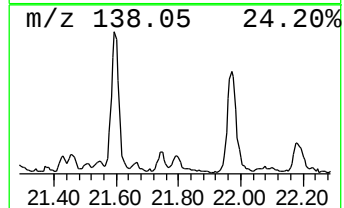
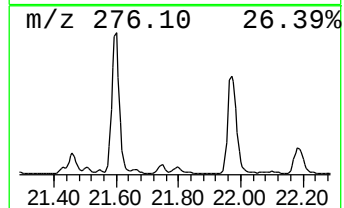
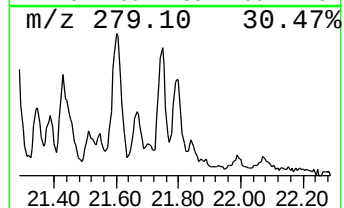
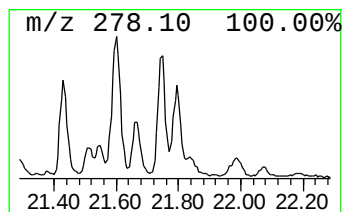
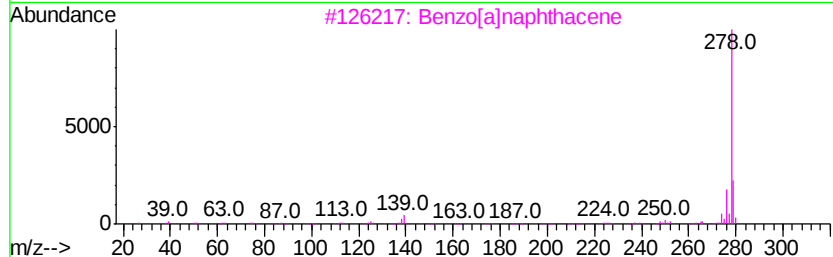
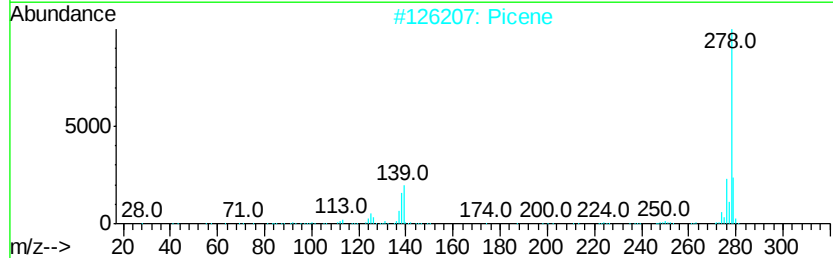
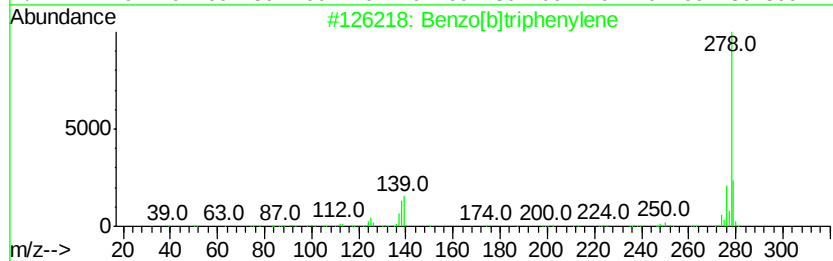
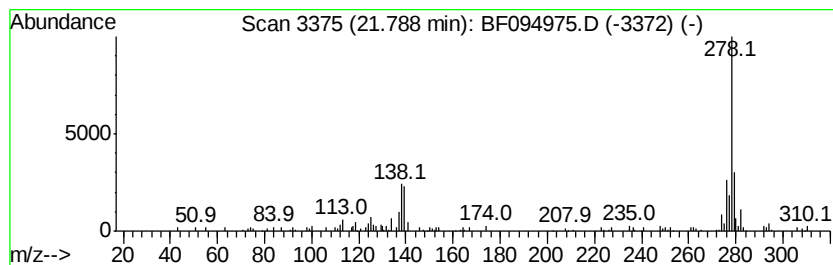
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Picene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.79	7.21 ng	172872	Perylene-d12	20.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	95
2		Picene	278	C22H14	000213-46-7	95
3		Benzo[a]naphthacene	278	C22H14	000226-88-0	89
4		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	86
5		Benzo[b]chrysene	278	C22H14	000214-17-5	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050617\
Data File : BF094975.D
Acq On : 8 May 2017 8:22
Operator : SJ/MA
Sample : I2996-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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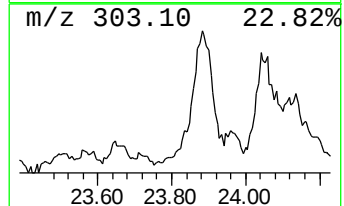
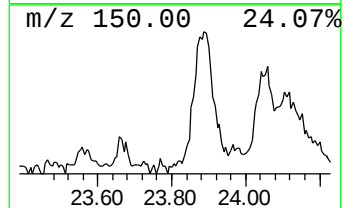
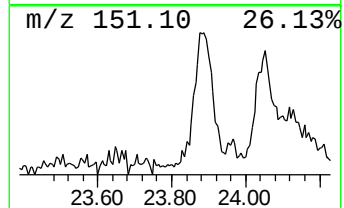
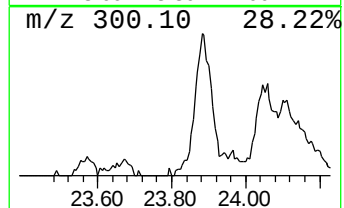
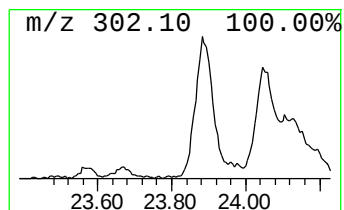
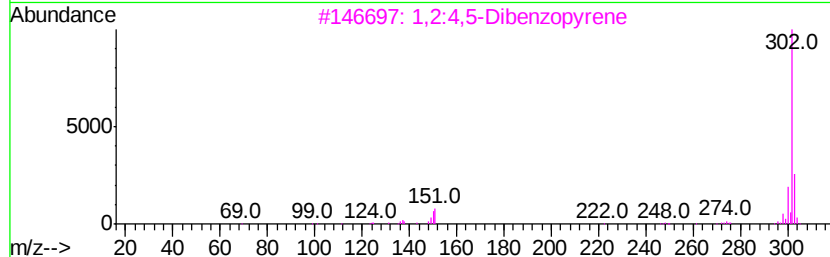
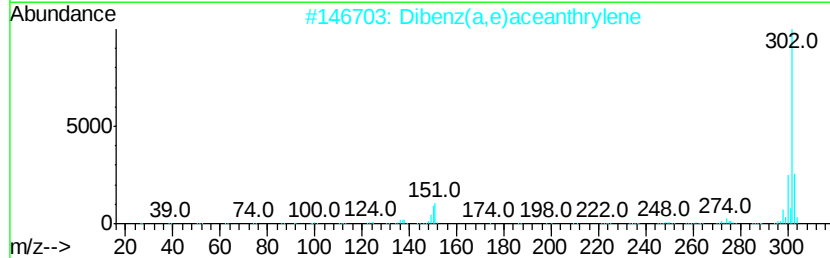
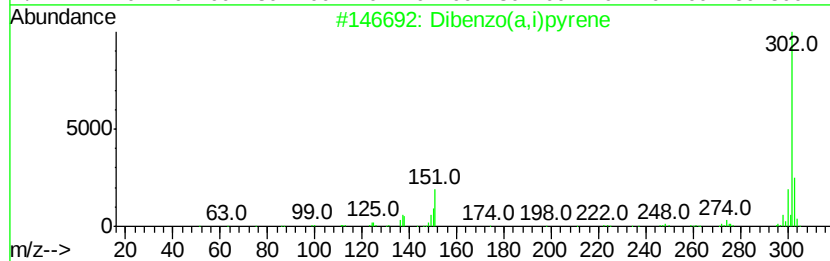
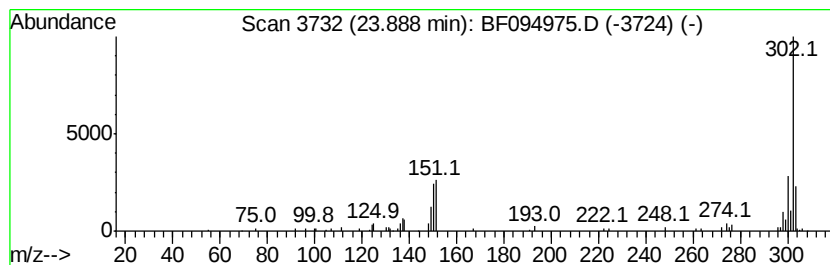
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Dibenzo(a,i)pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.89	7.87 ng	188767	Perylene-d12	20.31

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	93
2			Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	93
3			1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	93
4			Indeno[1,2,3-f]naphthacene	302	C24H14	000203-11-2	93
5			3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050617\
Data File : BF094975.D
Acq On : 8 May 2017 8:22
Operator : SJ/MA
Sample : I2996-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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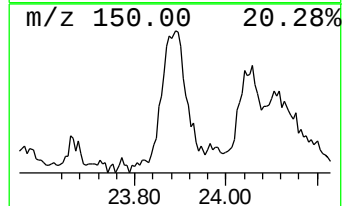
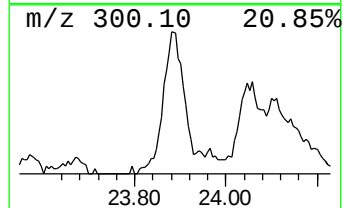
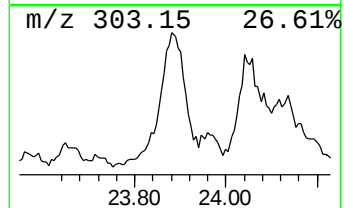
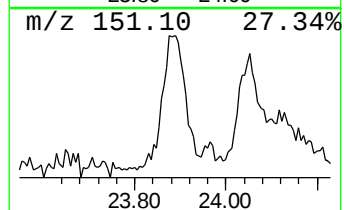
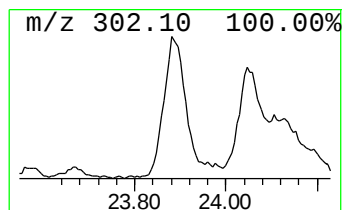
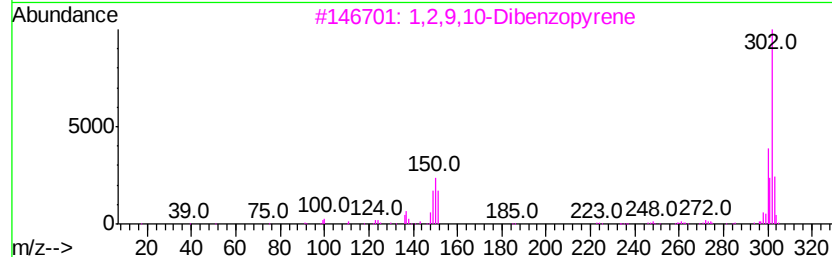
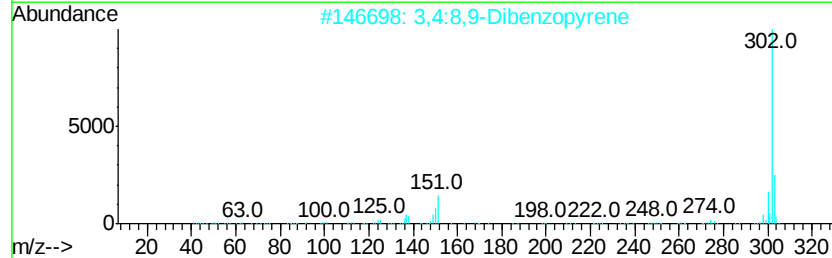
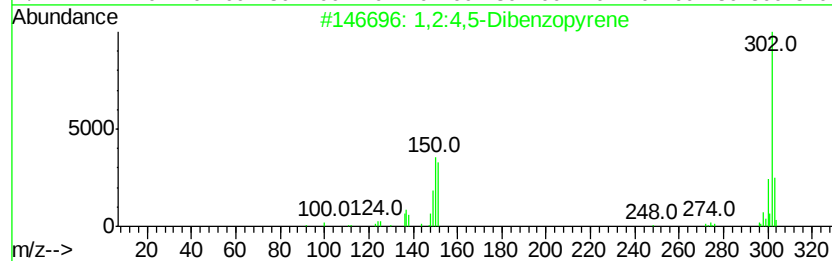
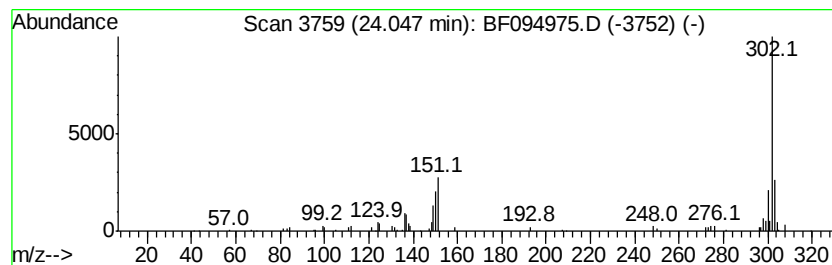
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 1,2:4,5-Dibenzopyrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.05	6.99 ng	167681	Perylene-d12	20.31

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
2			3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	91
3			1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	89
4			Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	89
5			Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050617\
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 Acq On : 8 May 2017 8:22
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 Misc :
 ALS Vial : 22 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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Phenanthrene, 2-m...	15.75	15.3	ng	532496	4	14.97	695070	20.0
Anthracene, 2-met...	15.79	19.6	ng	680839	4	14.97	695070	20.0
4H-Cyclopenta[def...	15.90	27.3	ng	947818	4	14.97	695070	20.0
1H-Indene, 1-phenyl-	15.94	11.5	ng	398378	4	14.97	695070	20.0
Naphthalene, 2-ph...	16.19	12.3	ng	425742	4	14.97	695070	20.0
9,10-Anthracenedione	16.24	7.5	ng	259582	4	14.97	695070	20.0
Cyclopenta(def)ph...	16.67	8.1	ng	282849	4	14.97	695070	20.0
9H-Fluorene, 9-(p...	19.74	8.3	ng	199719	6	20.31	479603	20.0
Dinaphtho[1,2-b:1...	20.12	8.7	ng	209429	6	20.31	479603	20.0
8H-Indeno[2,1-b]p...	20.51	9.2	ng	220575	6	20.31	479603	20.0
Benzo[b]triphenylene	21.75	10.4	ng	249254	6	20.31	479603	20.0
Picene	21.79	7.2	ng	172872	6	20.31	479603	20.0
Dibenzo(a,i)pyrene	23.89	7.9	ng	188767	6	20.31	479603	20.0
1,2:4,5-Dibenzopy...	24.05	7.0	ng	167681	6	20.31	479603	20.0