

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121115\
 Data File : BG020080.D
 Acq On : 10 Dec 2015 17:56
 Operator : UM/SJ
 Sample : G4683-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S31-15

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_G\METHODS\8270-BG120215.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	2.991	21	26	46	rVB	1446544	2097799	18.87%	1.556%
2	5.658	472	480	490	rBV	390457	625081	5.62%	0.464%
3	7.262	743	753	763	rBV	429668	748994	6.74%	0.555%
4	7.638	810	817	826	rVB	424588	717677	6.46%	0.532%
5	8.437	942	953	960	rBV	283997	499001	4.49%	0.370%
6	9.277	1088	1096	1103	rBV	273425	486134	4.37%	0.360%
7	10.928	1366	1377	1382	rBV	118229	217124	1.95%	0.161%
8	13.361	1782	1791	1799	rBV	587597	935732	8.42%	0.694%
9	14.183	1924	1931	1938	rBV	211376	311272	2.80%	0.231%
10	14.465	1969	1979	1987	rBV	169556	325666	2.93%	0.241%
11	14.736	2014	2025	2031	rBV2	190262	326480	2.94%	0.242%
12	15.781	2196	2203	2213	rVB	201711	357535	3.22%	0.265%
13	16.069	2248	2252	2263	rVB	112170	192600	1.73%	0.143%
14	16.222	2268	2278	2285	rVB	700414	1089273	9.80%	0.808%
15	16.780	2363	2373	2378	rBV4	148588	347830	3.13%	0.258%
16	17.009	2403	2412	2415	rBV3	130984	263834	2.37%	0.196%
17	17.133	2428	2433	2440	rVV2	150528	259216	2.33%	0.192%
18	17.209	2440	2446	2457	rVV3	149659	456429	4.11%	0.338%
19	17.303	2457	2462	2469	rVB	148101	251006	2.26%	0.186%
20	17.485	2487	2493	2495	rBV	234406	364852	3.28%	0.271%
21	17.532	2495	2501	2507	rVV	2473509	4191147	37.70%	3.108%
22	17.621	2510	2516	2520	rVV	791848	1210413	10.89%	0.898%
23	17.668	2520	2524	2529	rVB3	131917	255476	2.30%	0.189%
24	17.879	2549	2560	2564	rBV2	163931	378186	3.40%	0.280%
25	18.061	2587	2591	2600	rVB4	105582	185720	1.67%	0.138%
26	18.355	2636	2641	2646	rVV	739703	1195806	10.76%	0.887%
27	18.408	2646	2650	2656	rVB	991862	1435234	12.91%	1.064%
28	18.484	2656	2663	2669	rBV	454540	765954	6.89%	0.568%
29	18.555	2669	2675	2679	rVV2	1036394	2122775	19.09%	1.574%
30	18.590	2679	2681	2687	rVB	567610	629255	5.66%	0.467%
31	18.848	2720	2725	2730	rVV	542640	812182	7.31%	0.602%
32	18.901	2730	2734	2742	rVV	364348	520616	4.68%	0.386%
33	19.089	2759	2766	2771	rBV2	234891	407907	3.67%	0.302%
34	19.142	2771	2775	2778	rVB	240255	283134	2.55%	0.210%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	19.183	2778	2782	2786	rVB	207113	259172	2.33%	0.192%
36	19.266	2790	2796	2801	rBV	573912	1071733	9.64%	0.795%
37	19.330	2801	2807	2810	rBV2	238331	391700	3.52%	0.290%
38	19.418	2816	2822	2829	rVB3	480369	954500	8.59%	0.708%
39	19.554	2835	2845	2849	rBV	4828691	9891761	88.98%	7.335%
40	19.589	2849	2851	2854	rVV	164919	191742	1.72%	0.142%
41	19.630	2854	2858	2862	rVB	283025	404365	3.64%	0.300%
42	19.683	2862	2867	2871	rBV	356476	474982	4.27%	0.352%
43	19.736	2871	2876	2878	rBV2	118851	205193	1.85%	0.152%
44	19.777	2879	2883	2887	rVV	169085	227679	2.05%	0.169%
45	19.918	2893	2907	2911	rBV3	4545904	11117090	100.00%	8.244%
46	19.959	2911	2914	2921	rVB2	572743	864131	7.77%	0.641%
47	20.082	2921	2935	2939	rBV2	1219563	2473625	22.25%	1.834%
48	20.135	2939	2944	2950	rVB	381775	670354	6.03%	0.497%
49	20.206	2950	2956	2958	rBV2	672711	1142063	10.27%	0.847%
50	20.347	2974	2980	2982	rVV2	512979	946424	8.51%	0.702%
51	20.388	2982	2987	2991	rVB	1665004	2580226	23.21%	1.913%
52	20.488	2998	3004	3007	rVV	1203452	1818935	16.36%	1.349%
53	20.546	3007	3014	3017	rVV2	925172	1967399	17.70%	1.459%
54	20.576	3017	3019	3023	rVV	383281	477756	4.30%	0.354%
55	20.617	3023	3026	3032	rVV4	232478	387949	3.49%	0.288%
56	20.682	3033	3037	3041	rVV	588832	885528	7.97%	0.657%
57	20.729	3041	3045	3055	rVV	617206	1000501	9.00%	0.742%
58	20.840	3061	3064	3067	rVB2	170184	228877	2.06%	0.170%
59	20.940	3076	3081	3083	rBV3	143052	271751	2.44%	0.202%
60	20.975	3083	3087	3090	rVV3	316846	580635	5.22%	0.431%
61	21.011	3090	3093	3098	rVB2	263982	483325	4.35%	0.358%
62	21.105	3104	3109	3112	rBV2	263694	485236	4.36%	0.360%
63	21.152	3112	3117	3123	rVB	826235	1319320	11.87%	0.978%
64	21.334	3141	3148	3152	rVV2	771941	1512278	13.60%	1.121%
65	21.381	3152	3156	3160	rVV	802885	1282211	11.53%	0.951%
66	21.434	3160	3165	3170	rVV2	711959	1218850	10.96%	0.904%
67	21.498	3170	3176	3187	rVB2	793443	1602509	14.41%	1.188%
68	21.622	3188	3197	3206	rBV	228823	751309	6.76%	0.557%
69	21.763	3210	3221	3226	rBV2	3659975	8607310	77.42%	6.383%
70	21.833	3227	3233	3243	rVB	3175124	6682735	60.11%	4.956%
71	21.921	3244	3248	3252	rBV6	103805	189950	1.71%	0.141%

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72	21.980	3252	3258	3263	rBV	548380	931660	8.38%	0.691%
73	22.045	3264	3269	3274	rBV2	323746	569673	5.12%	0.422%
74	22.180	3286	3292	3299	rBV2	509862	1088102	9.79%	0.807%
75	22.244	3299	3303	3308	rVV3	173380	288405	2.59%	0.214%
76	22.427	3329	3334	3339	rBV2	241775	451686	4.06%	0.335%
77	22.515	3340	3349	3354	rVV	863485	2035580	18.31%	1.509%
78	22.585	3356	3361	3368	rVB	461887	916141	8.24%	0.679%
79	22.679	3373	3377	3381	rVV2	201395	415348	3.74%	0.308%
80	22.726	3381	3385	3391	rVV3	290049	638292	5.74%	0.473%
81	22.791	3391	3396	3400	rVV	399421	852469	7.67%	0.632%
82	22.838	3401	3404	3413	rVB3	397040	800779	7.20%	0.594%
83	22.926	3413	3419	3426	rBV2	269571	637801	5.74%	0.473%
84	23.208	3461	3467	3472	rBV5	208129	483892	4.35%	0.359%
85	23.273	3474	3478	3488	rVB8	229507	596807	5.37%	0.443%
86	23.373	3490	3495	3499	rBV2	116918	239791	2.16%	0.178%
87	23.637	3532	3540	3547	rBV4	263939	713795	6.42%	0.529%
88	24.060	3595	3612	3618	rBV2	2126877	8657770	77.88%	6.420%
89	24.289	3643	3651	3659	rBV	552186	1335041	12.01%	0.990%
90	24.489	3679	3685	3690	rBV3	160004	466878	4.20%	0.346%
91	24.789	3724	3736	3748	rVB	1149732	4191799	37.71%	3.108%
92	24.959	3750	3765	3773	rVB	1805071	5910872	53.17%	4.383%
93	25.076	3777	3785	3791	rVV	166764	569964	5.13%	0.423%
94	25.165	3791	3800	3812	rVB2	609043	2105852	18.94%	1.562%
95	26.481	4017	4024	4032	rVB2	135777	377629	3.40%	0.280%
96	28.901	4417	4436	4451	rVB3	709895	4349991	39.13%	3.226%
97	29.330	4499	4509	4522	rVB3	171280	741112	6.67%	0.550%
98	29.483	4527	4535	4537	rBV	126225	295611	2.66%	0.219%
99	30.076	4614	4636	4660	rBV3	474084	3084250	27.74%	2.287%
100	30.664	4728	4736	4737	rBV2	108582	217337	1.95%	0.161%

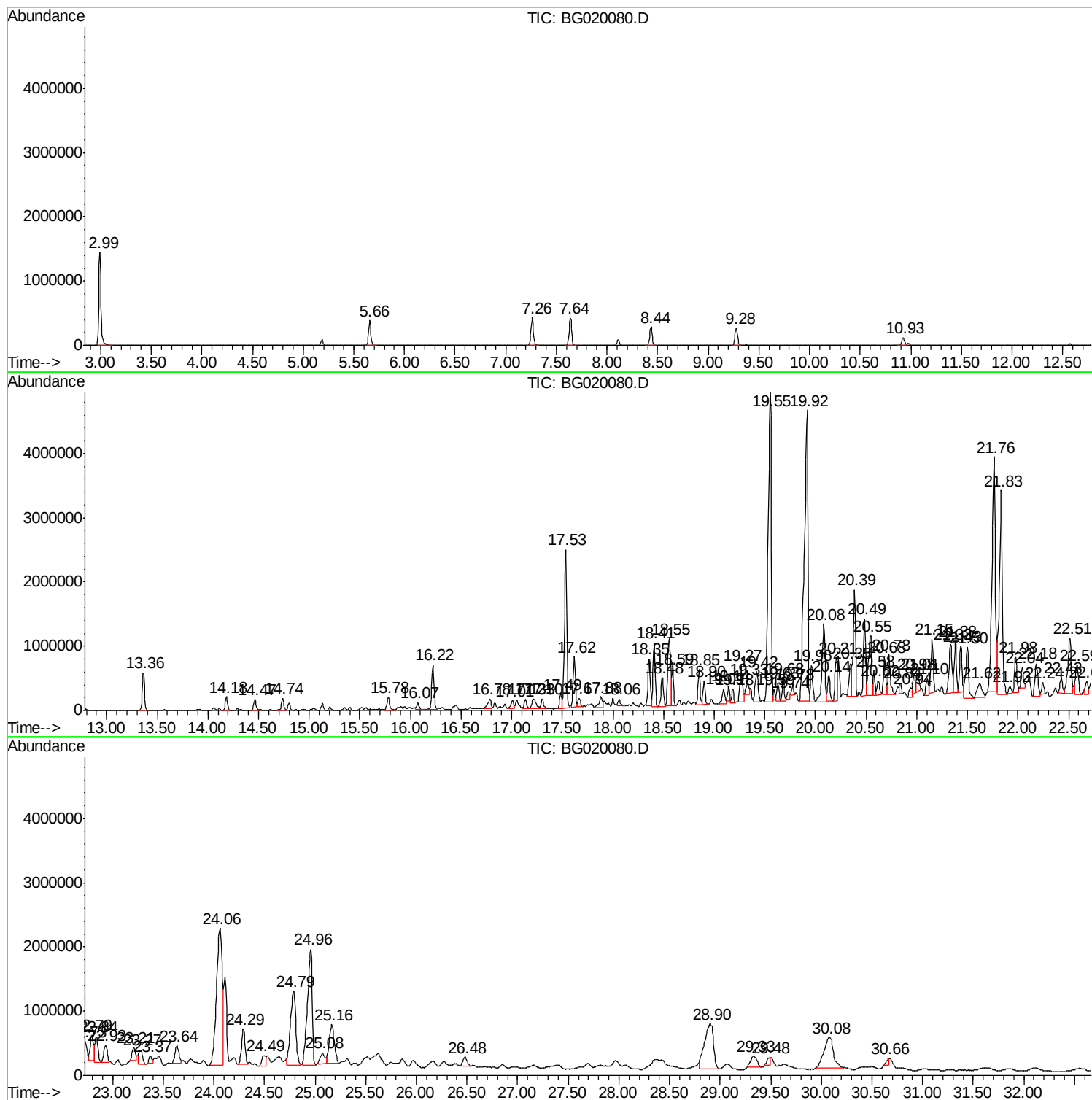
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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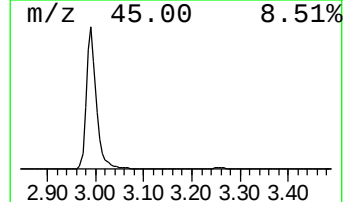
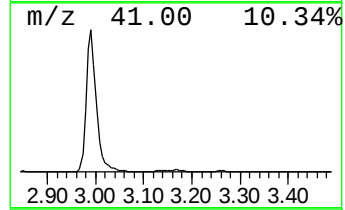
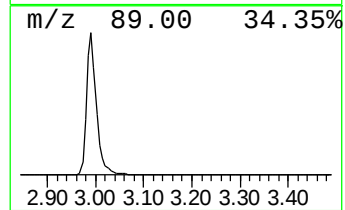
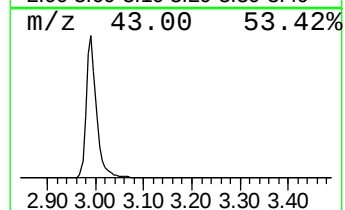
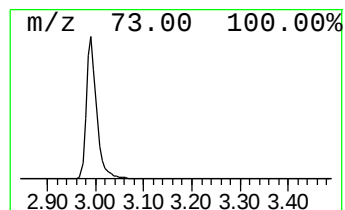
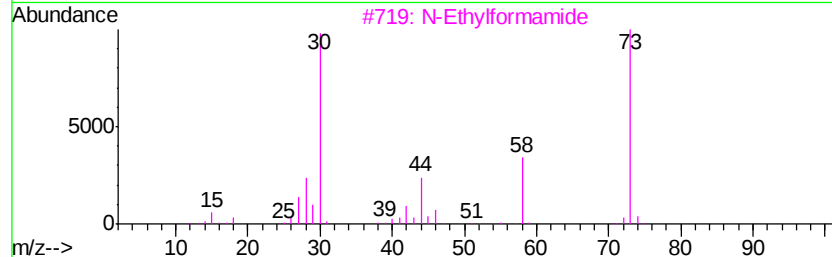
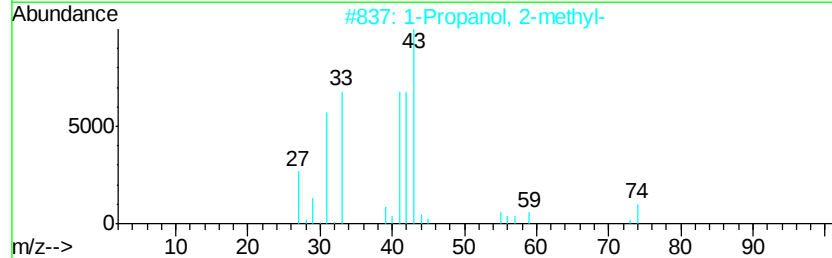
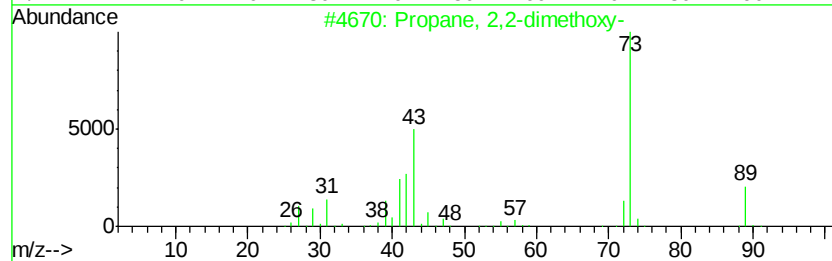
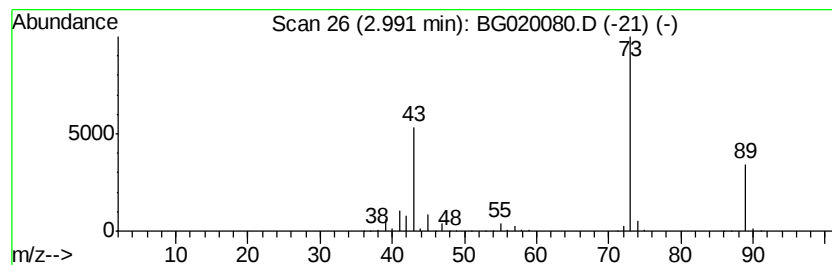
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.99	84.08 ng	2097800	1,4-Dichlorobenzene-d4	8.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	64
2		1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	9
3		N-Ethylformamide	73	C3H7NO	000627-45-2	9
4		1,3-Diaminoquanidine	89	CH7N5	004364-78-7	9
5		1-Hexen-4-ol, 1-chloro-3,5-dimet...	162	C8H15ClO	100244-09-5	9



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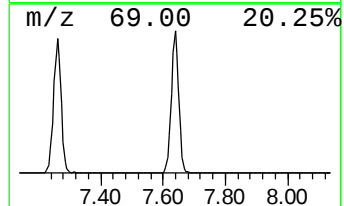
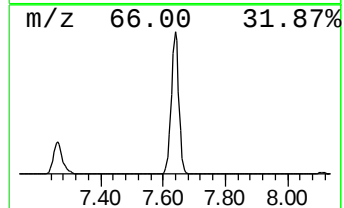
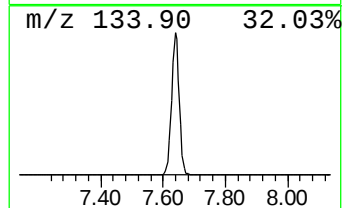
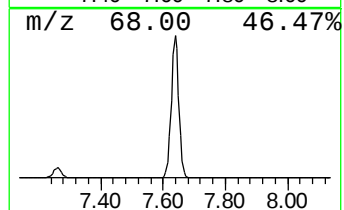
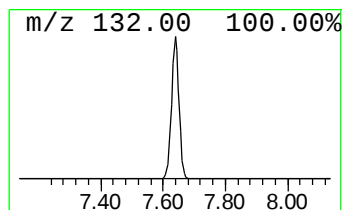
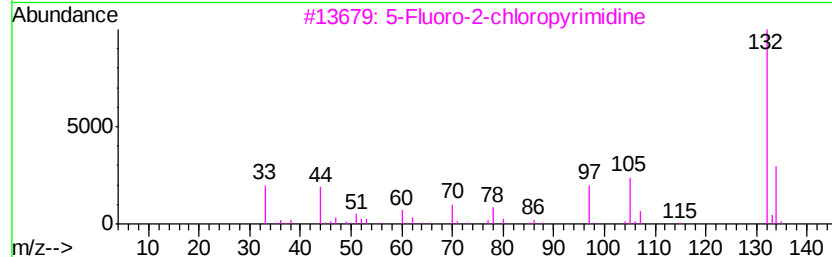
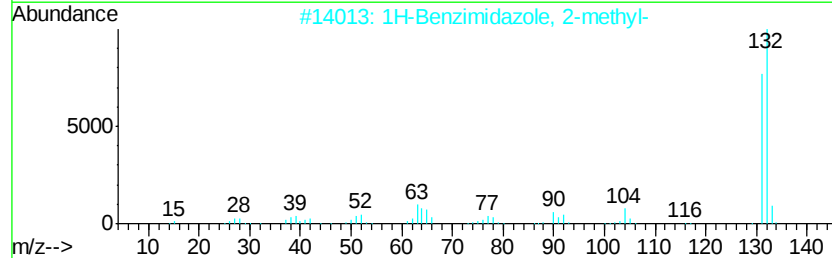
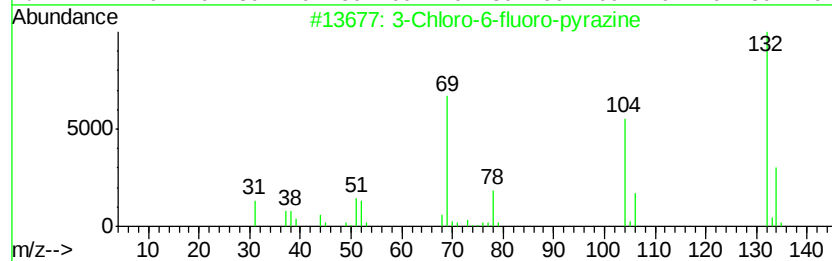
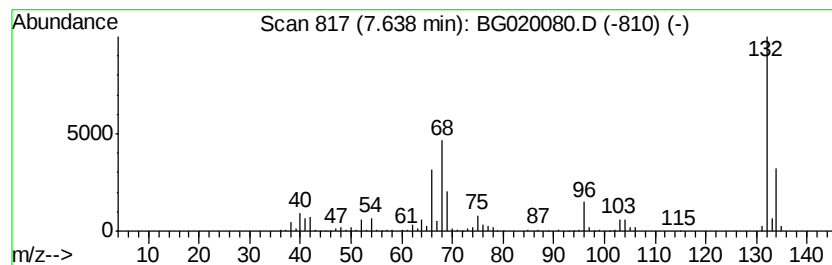
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown7.64 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.64	28.76 ng	717677	1,4-Dichlorobenzene-d4	8.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5		Benzene, 1,2,4-trifluoro-	132	C6H3F3	000367-23-7	9



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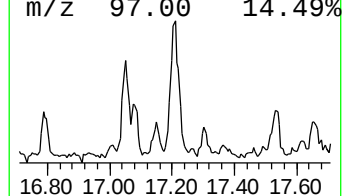
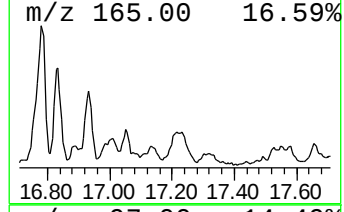
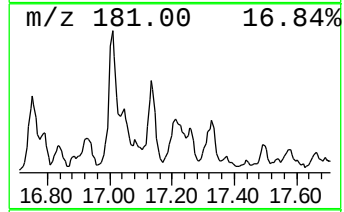
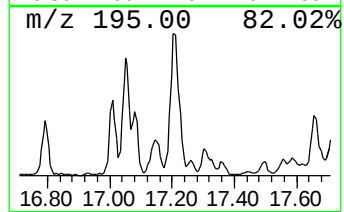
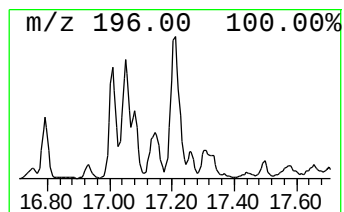
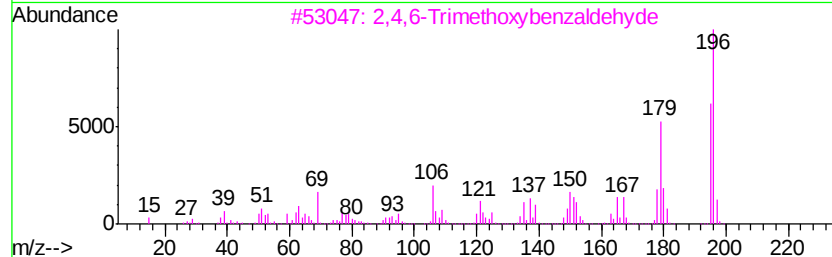
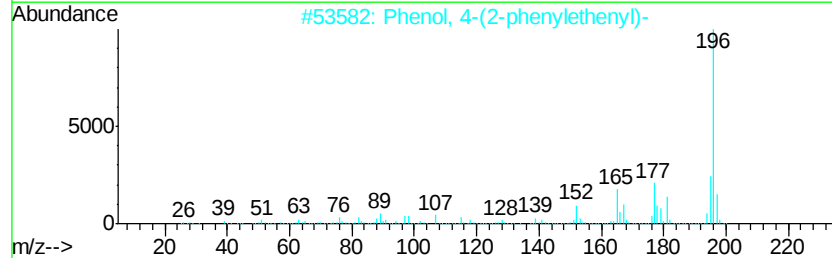
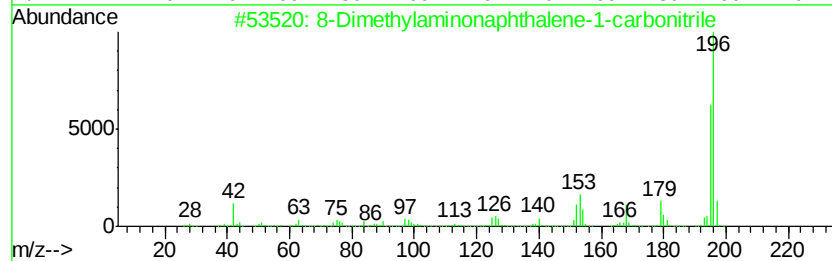
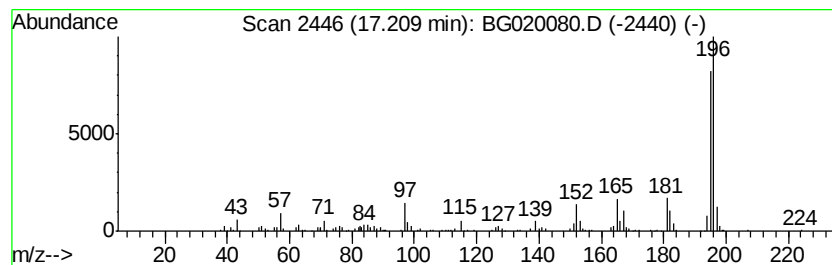
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 8-Dimethylaminonaphthalene-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.21	25.02 ng	456429	Phenanthrene-d10	17.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	72
2		Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	64
3		2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	59
4		Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	58
5		Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	53



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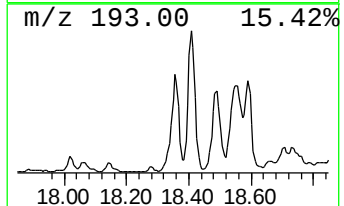
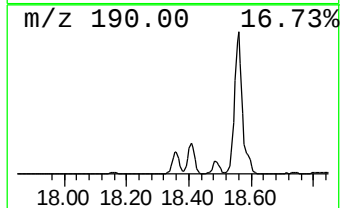
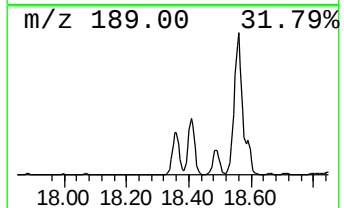
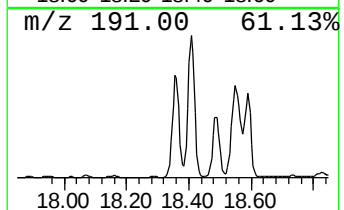
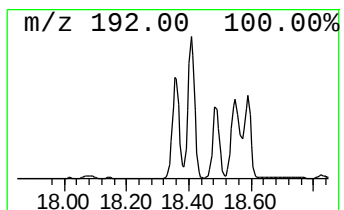
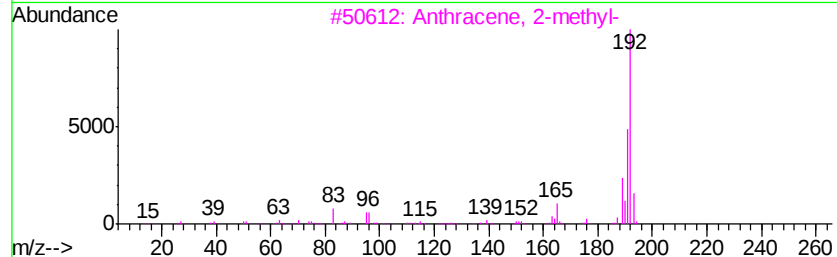
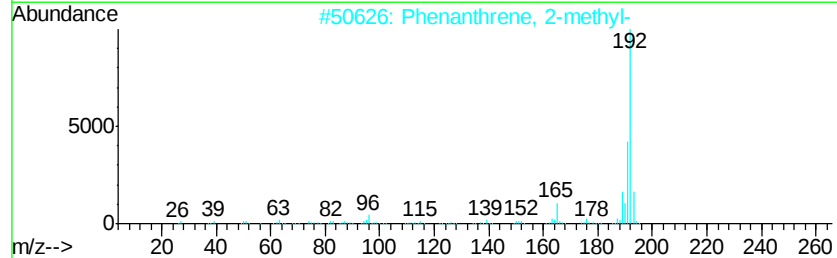
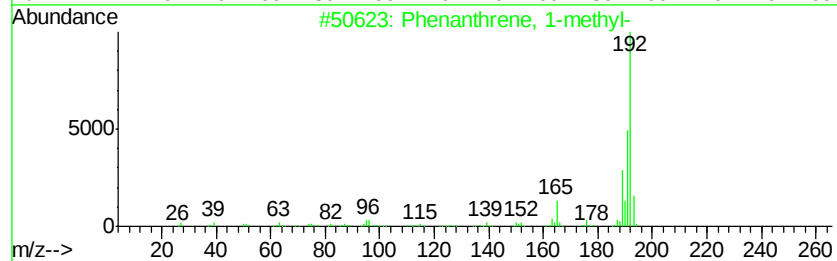
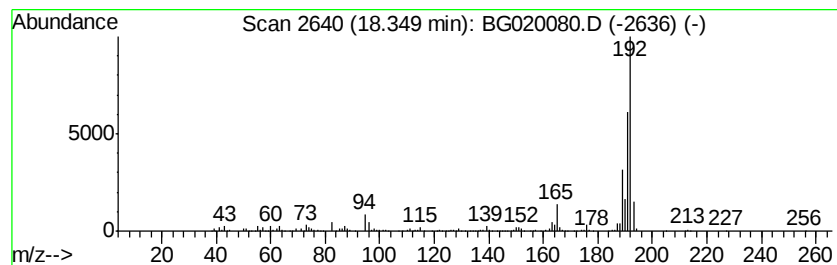
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	65.55 ng	1195810	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



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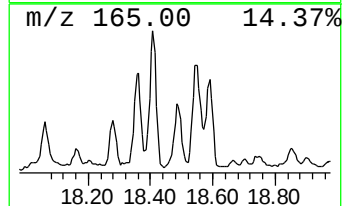
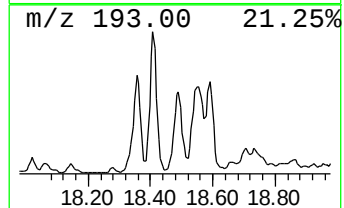
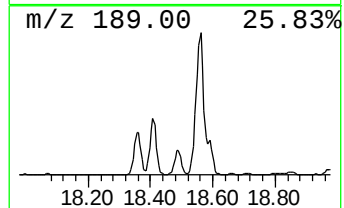
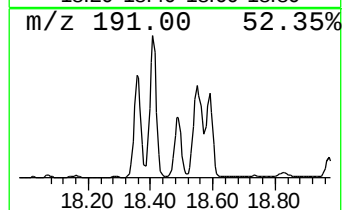
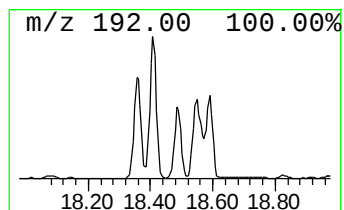
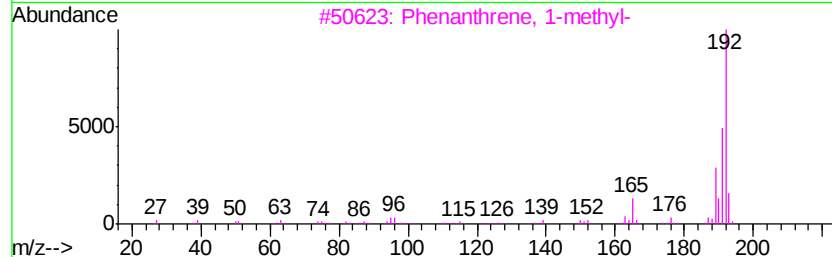
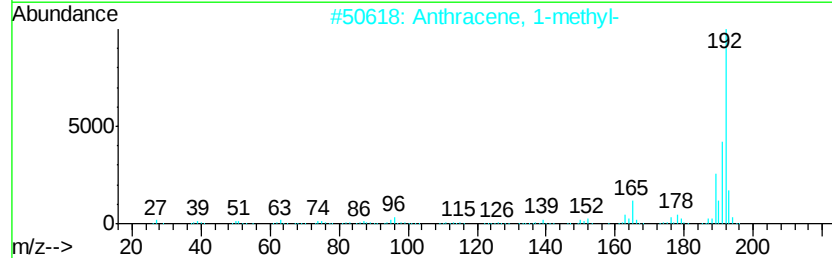
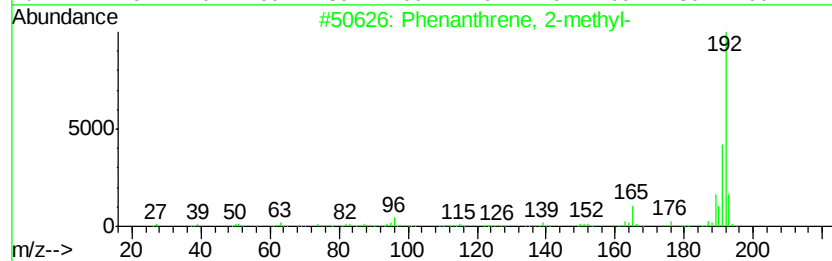
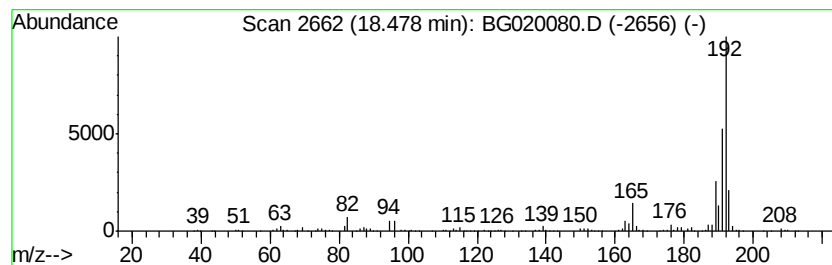
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	41.99 ng	765954	Phenanthrene-d10	17.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	94



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121115\
Data File : BG020080.D
Acq On : 10 Dec 2015 17:56
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ClientSampleId :
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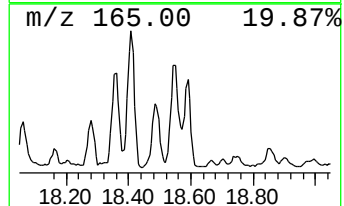
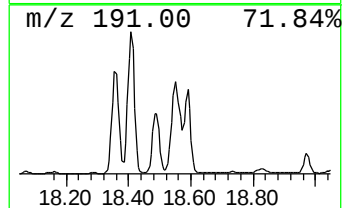
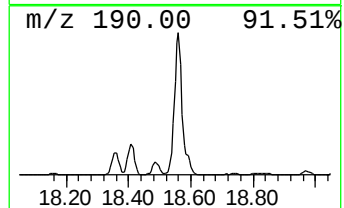
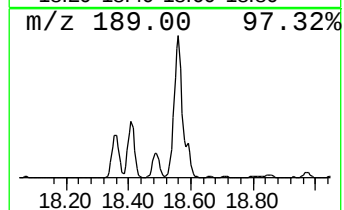
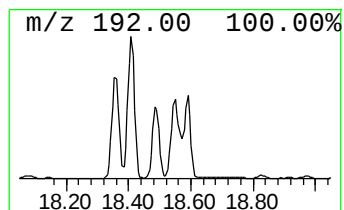
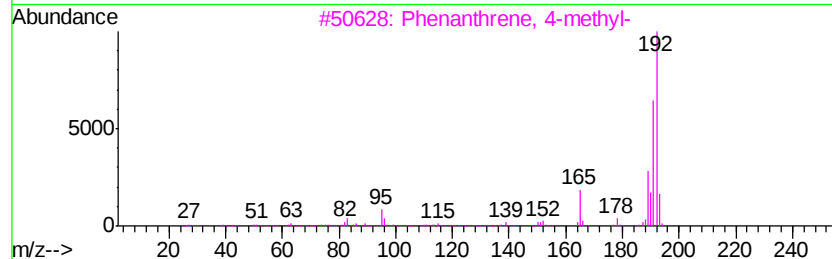
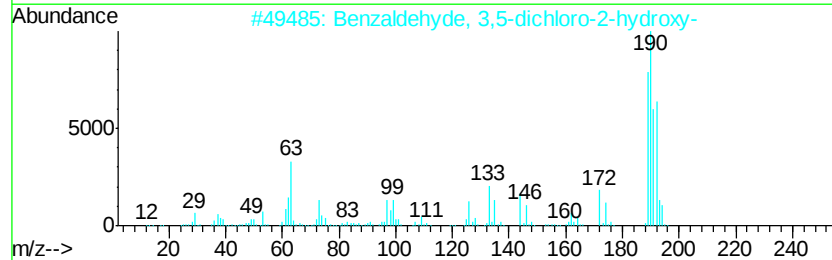
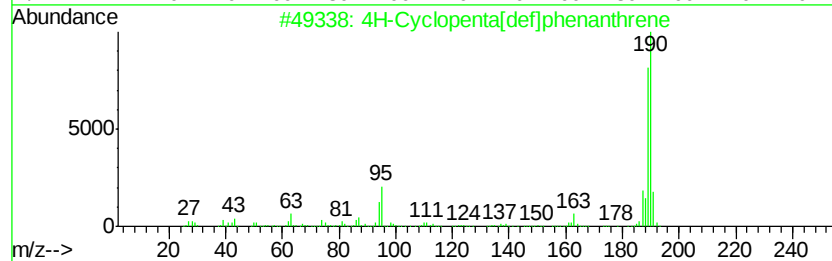
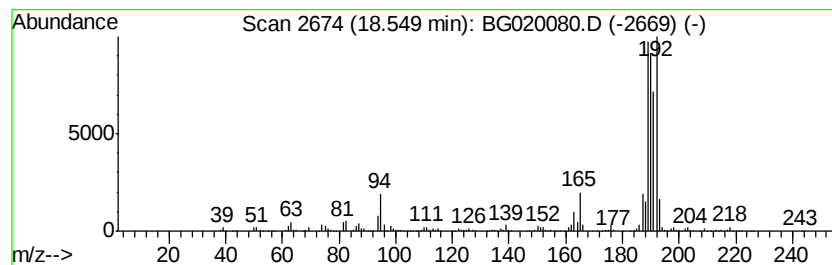
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	116.36 ng	2122780	Phenanthrene-d10	17.49

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	35
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	30



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121115\
Data File : BG020080.D
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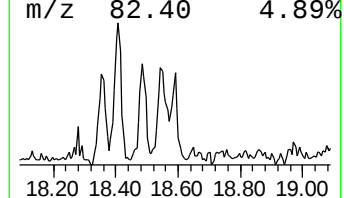
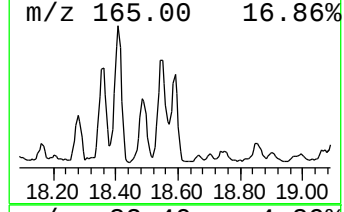
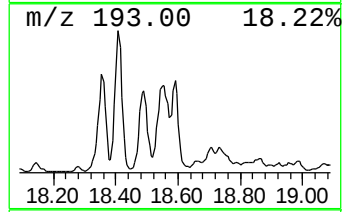
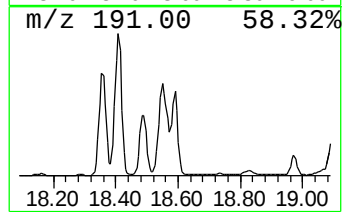
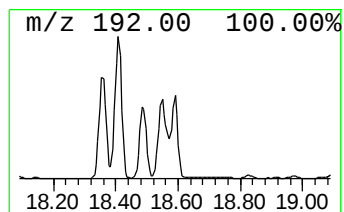
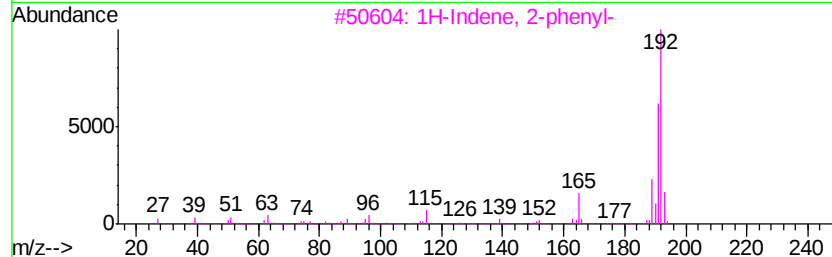
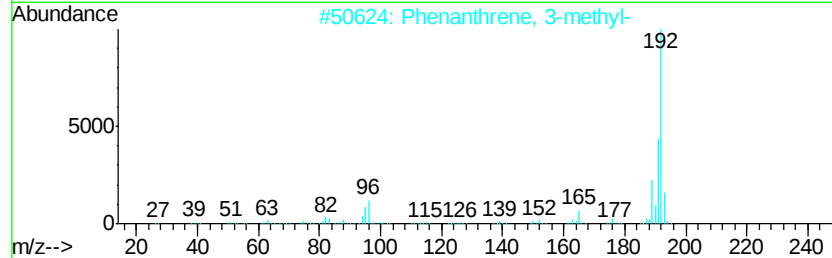
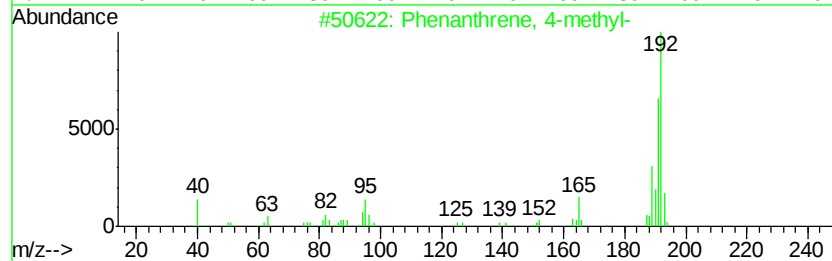
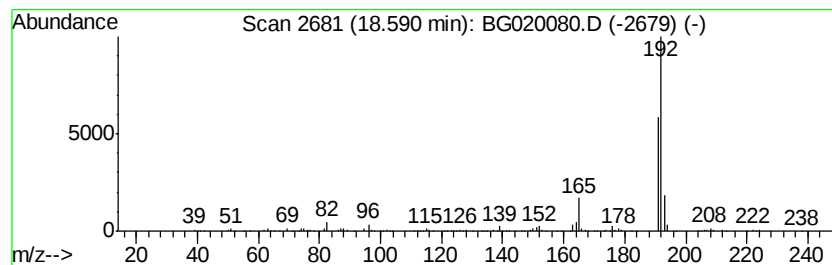
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Phenanthrene, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	34.49 ng	629255	Phenanthrene-d10	17.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	87
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	87



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121115\
Data File : BG020080.D
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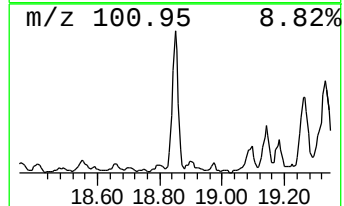
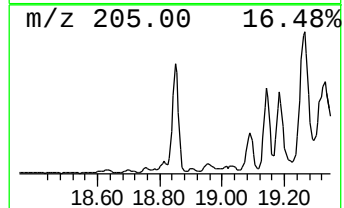
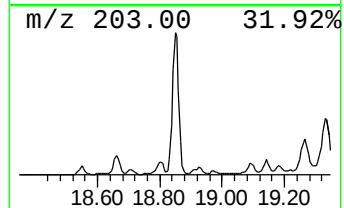
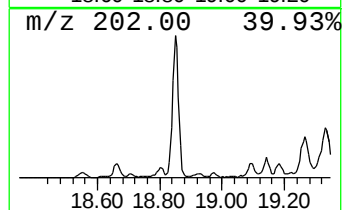
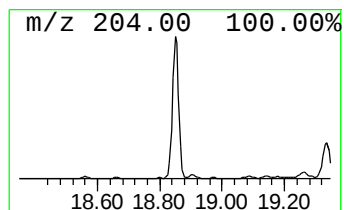
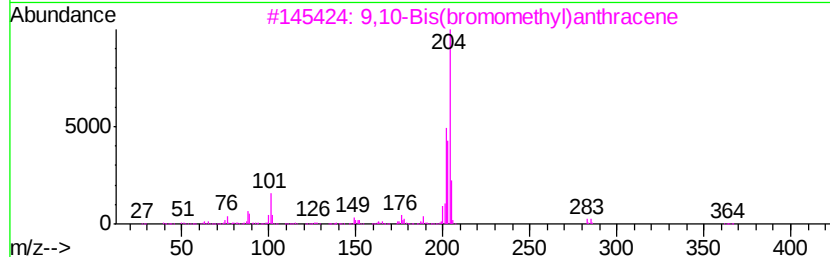
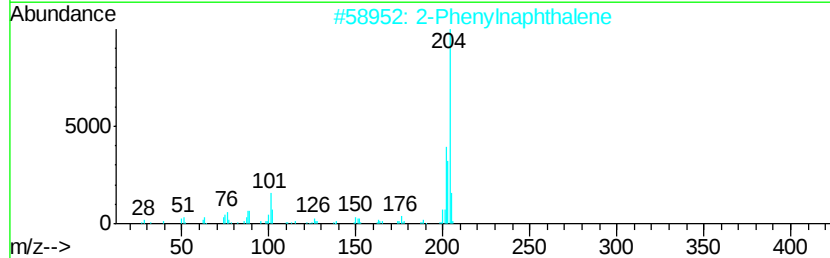
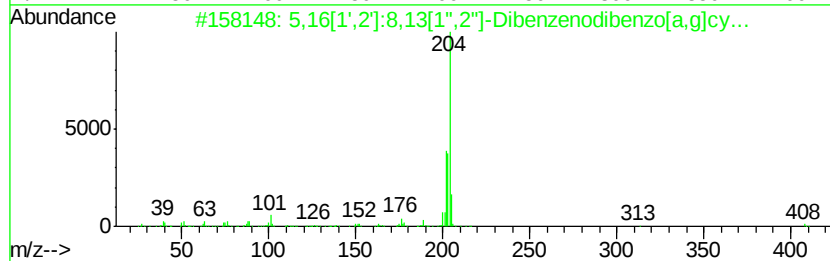
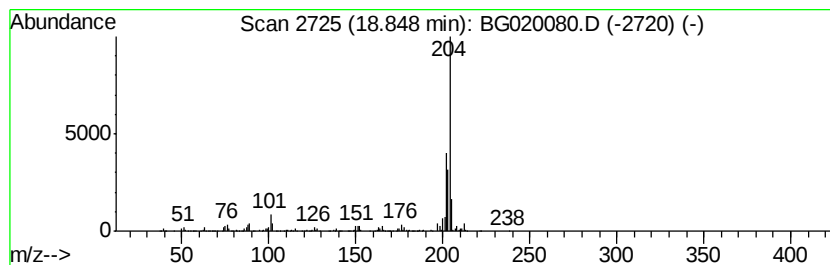
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	44.52 ng	812182	Phenanthrene-d10	17.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2		2-Phenylnaphthalene	204	C16H12	035465-71-5	83
3		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	78
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121115\
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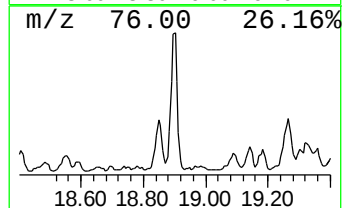
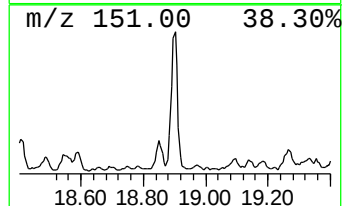
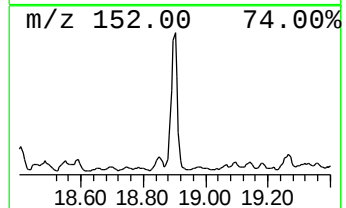
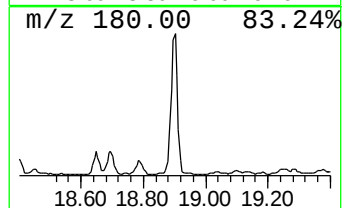
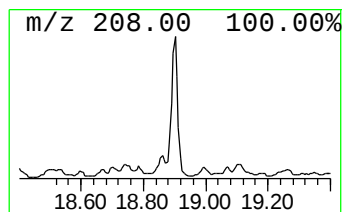
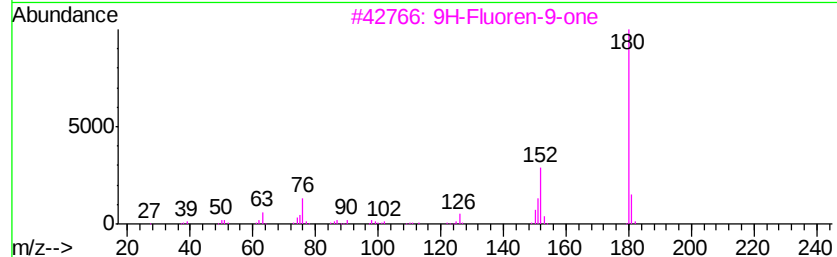
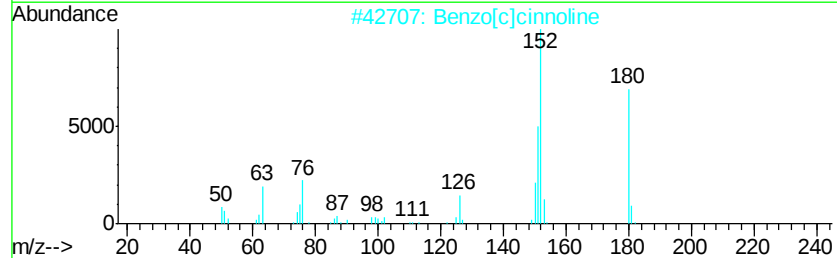
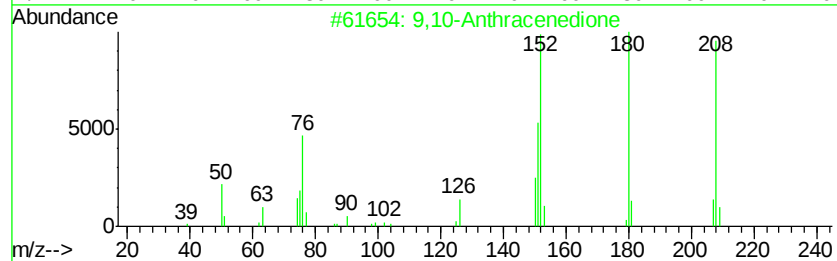
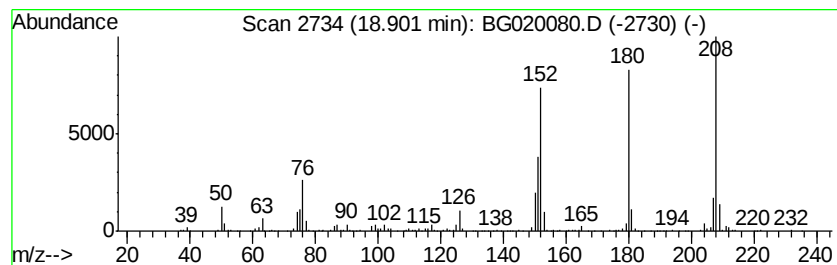
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	28.54 ng	520616	Phenanthrene-d10	17.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3		9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
4		1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55



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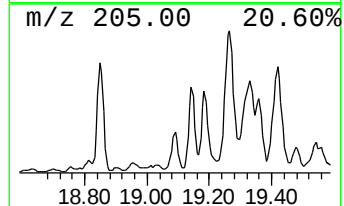
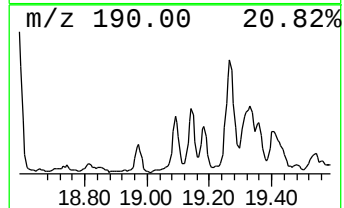
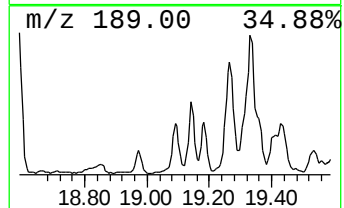
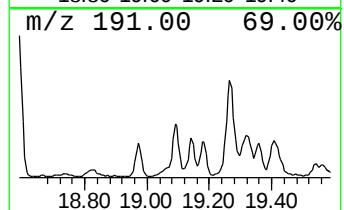
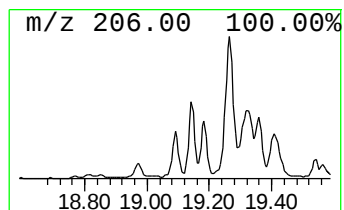
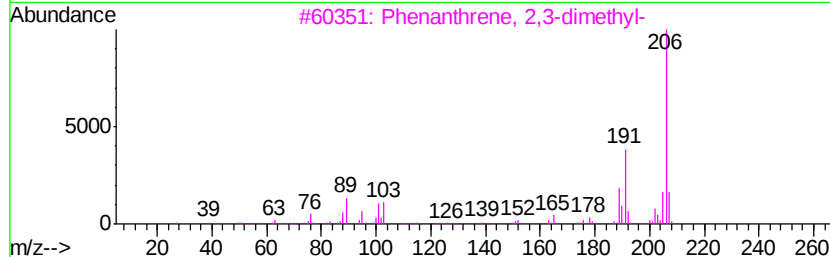
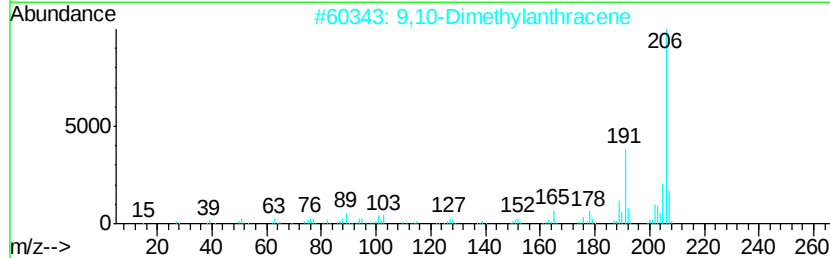
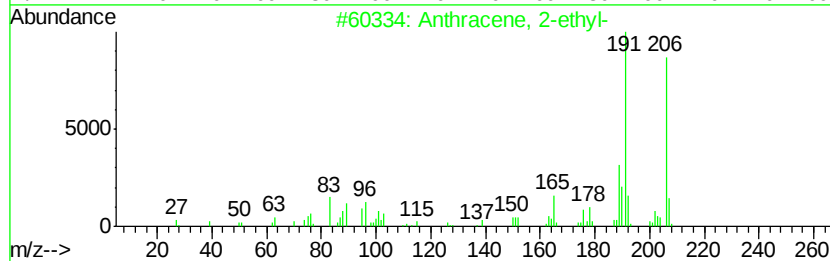
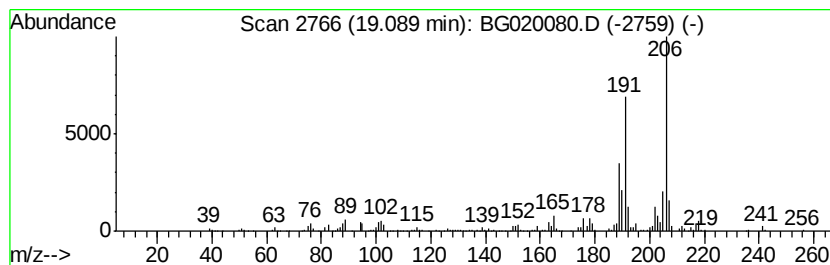
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Anthracene, 2-ethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.09	22.36 ng	407907	Phenanthrene-d10	17.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	95
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	93
3		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
5		Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121115\
Data File : BG020080.D
Acq On : 10 Dec 2015 17:56
Operator : UM/SJ
Sample : G4683-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
S31-15

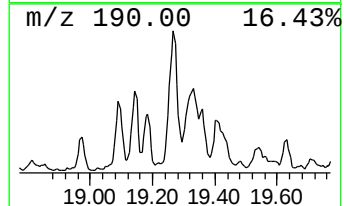
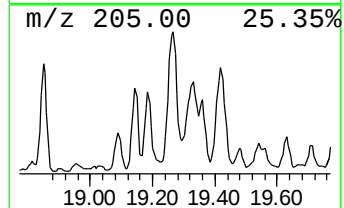
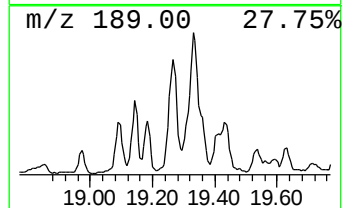
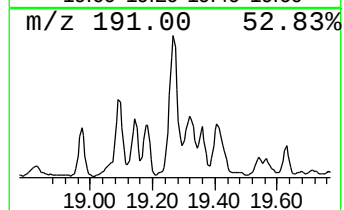
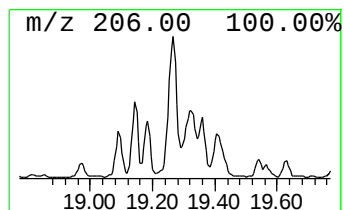
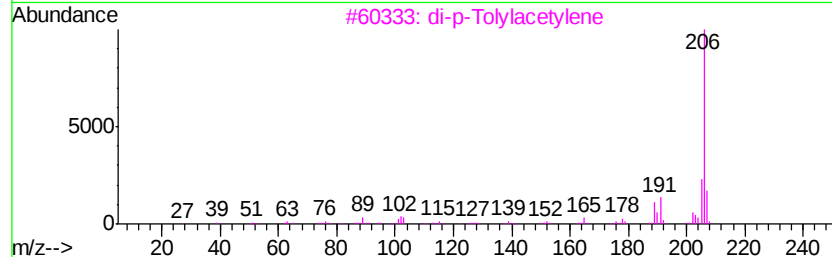
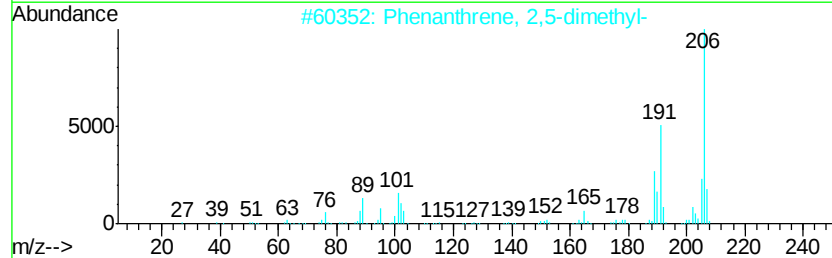
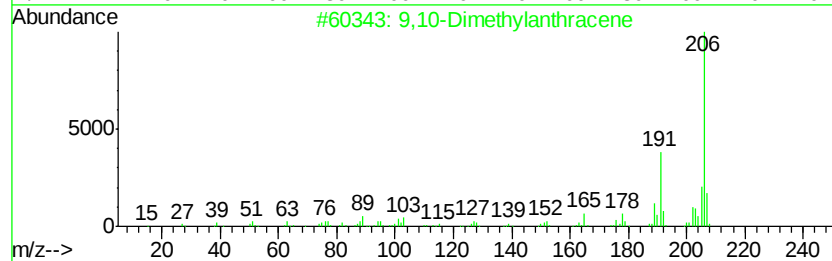
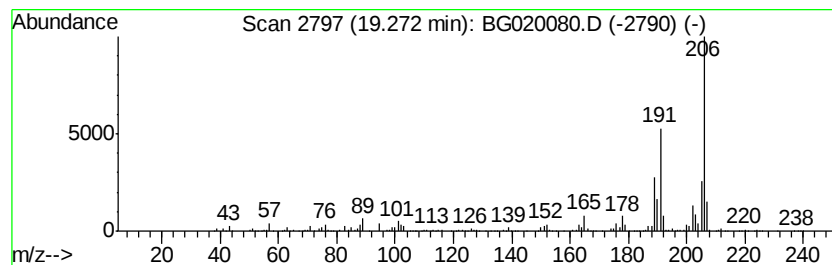
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 9,10-Dimethylantracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.27	58.75 ng	1071730	Phenanthrene-d10	17.49

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Dimethylantracene	206	C16H14	000781-43-1	93
2			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3			di-p-Tolylacetvlene	206	C16H14	002789-88-0	93
4			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121115\
Data File : BG020080.D
Acq On : 10 Dec 2015 17:56
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Sample : G4683-07
Misc :
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ClientSampleId :
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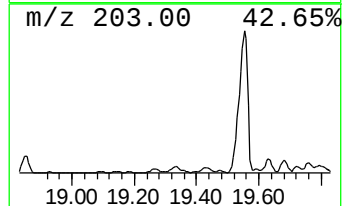
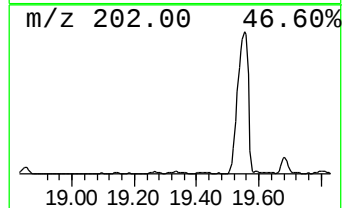
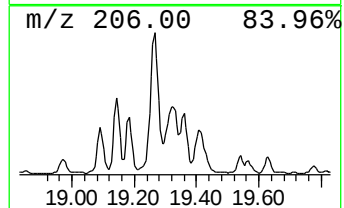
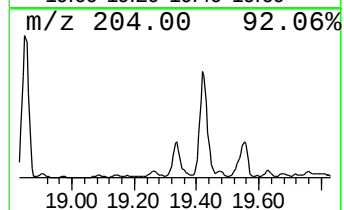
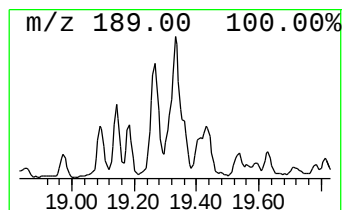
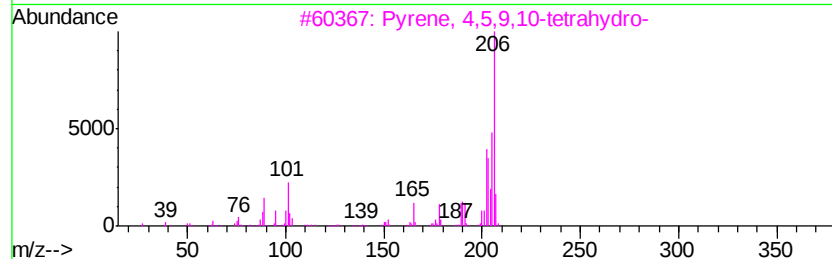
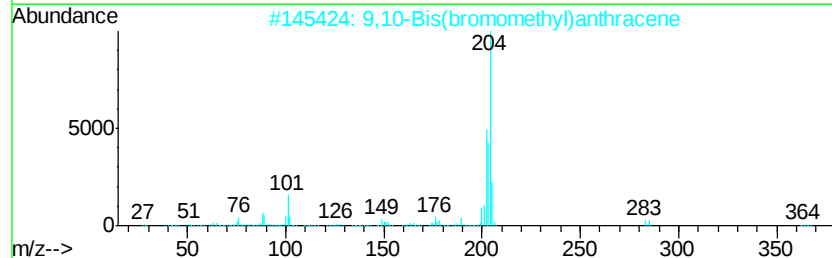
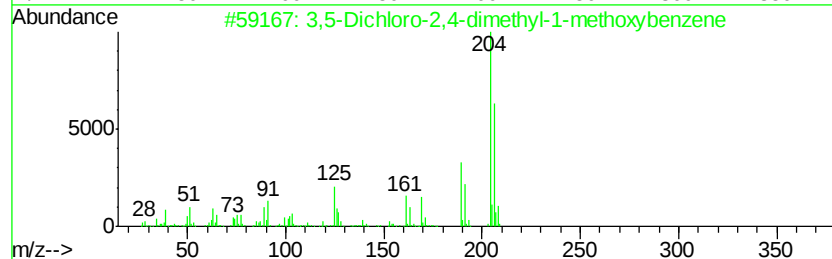
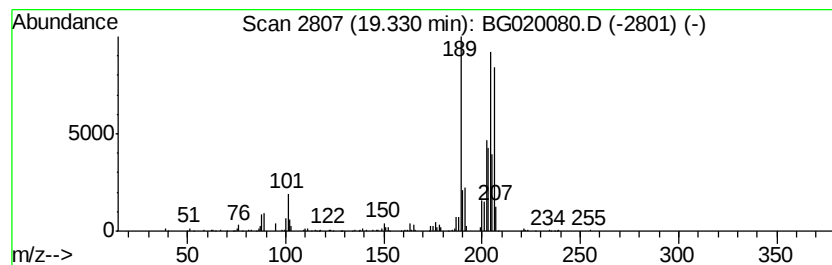
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 unknown19.33 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.33	21.47 ng	391700	Phenanthrene-d10	17.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1000250-17-8	43
2		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	41
3		Pvrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	30
4		2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000193-57-0	27
5		Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	25



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121115\
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Acq On : 10 Dec 2015 17:56
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Sample : G4683-07
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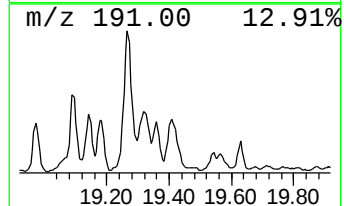
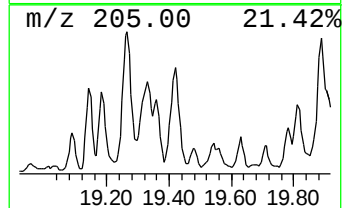
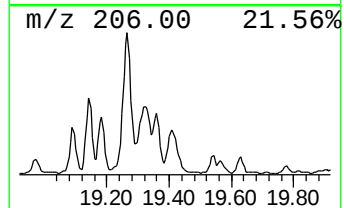
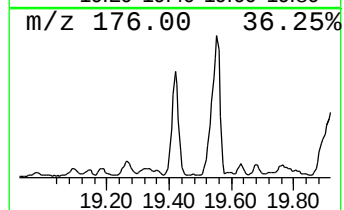
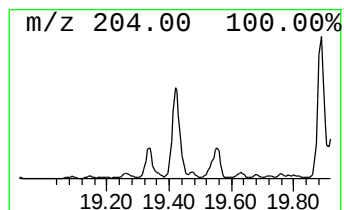
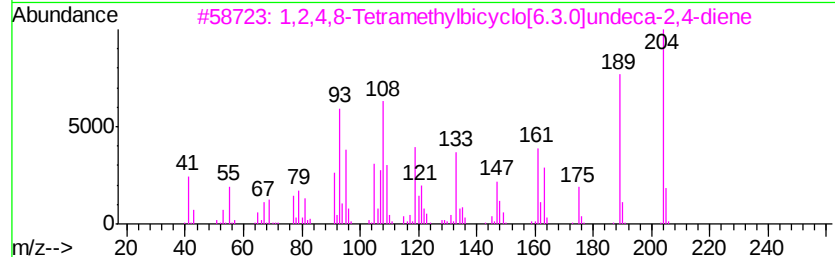
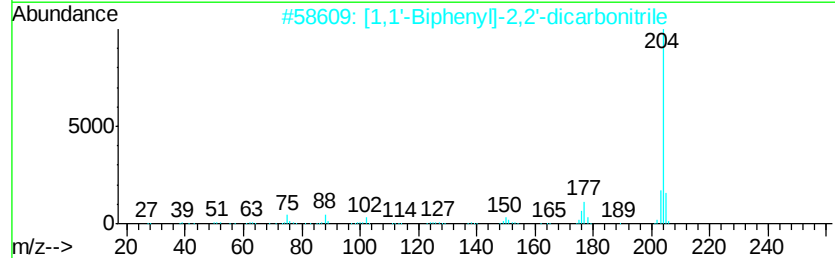
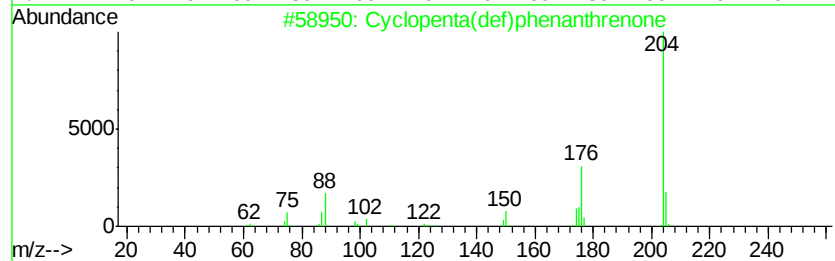
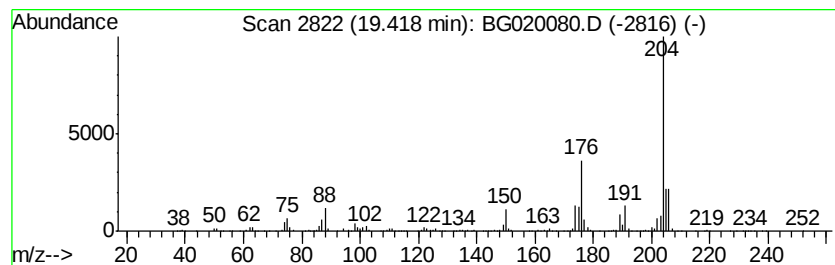
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.42	52.32 ng	954500	Phenanthrene-d10	17.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53
3		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	46
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43
5		9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	40



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121115\
Data File : BG020080.D
Acq On : 10 Dec 2015 17:56
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Misc :
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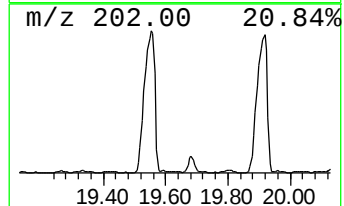
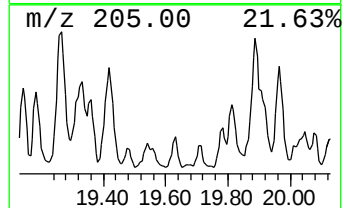
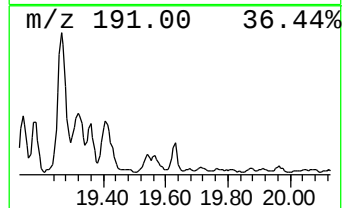
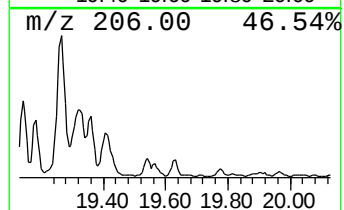
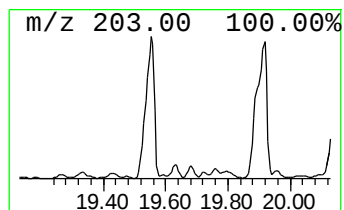
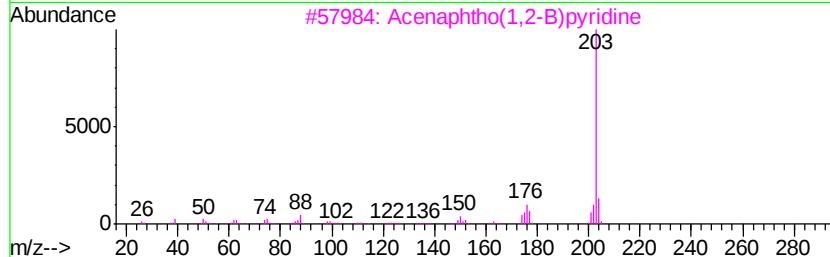
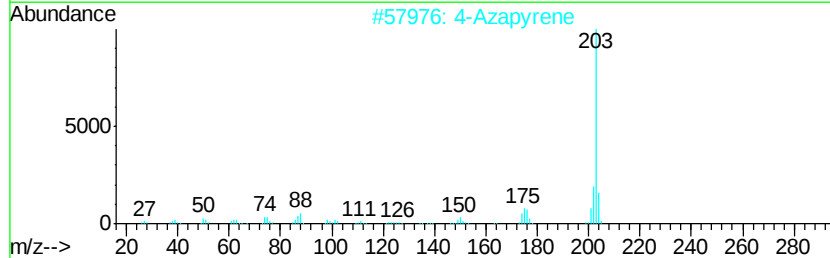
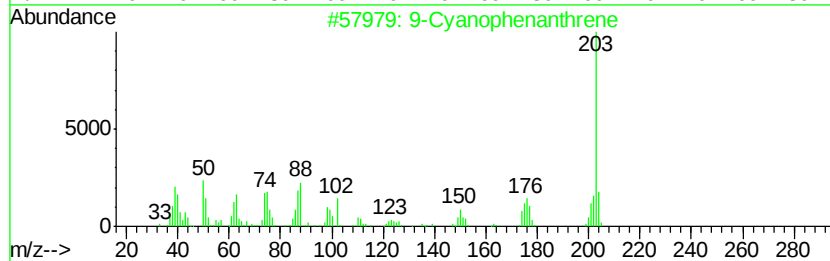
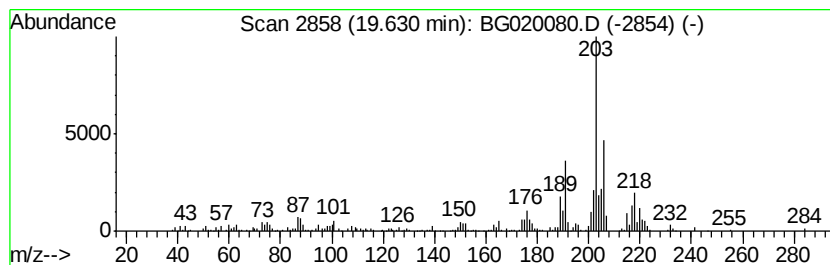
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 unknown19.63 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.63	22.17 ng	404365	Phenanthrene-d10	17.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9-Cyanophenanthrene	203	C15H9N	002510-55-6	42
2		4-Azapyrene	203	C15H9N	000194-03-6	42
3		Acenaphtho(1,2-B)pyridine	203	C15H9N	000206-49-5	42
4		9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	38
5		9-(Cyanomethylene)fluorene	203	C15H9N	004425-74-5	38



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121115\
Data File : BG020080.D
Acq On : 10 Dec 2015 17:56
Operator : UM/SJ
Sample : G4683-07
Misc :
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ClientSampleId :
S31-15

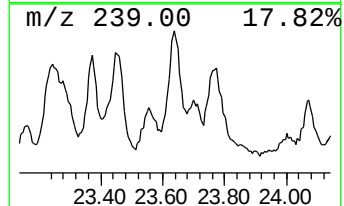
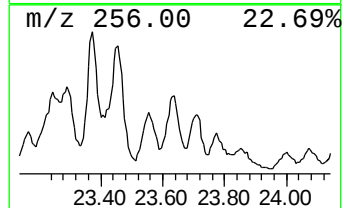
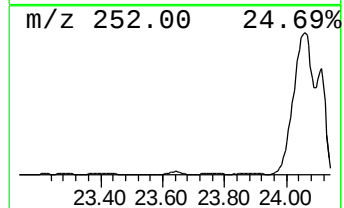
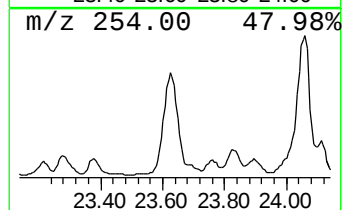
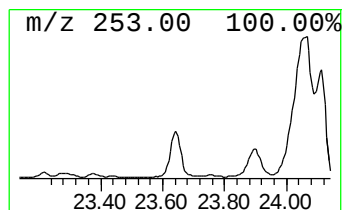
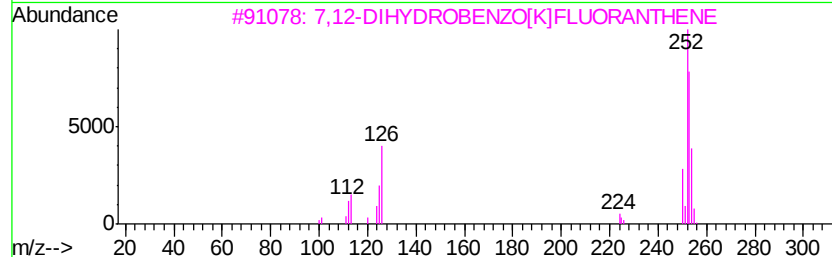
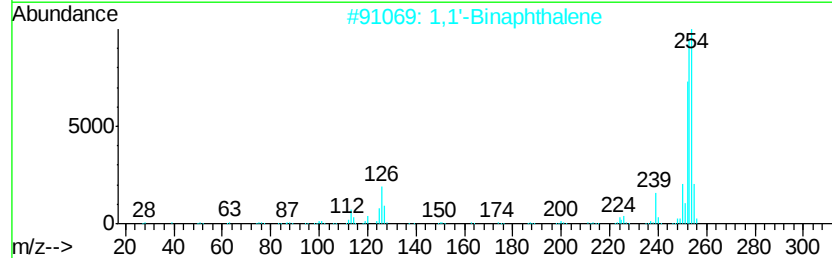
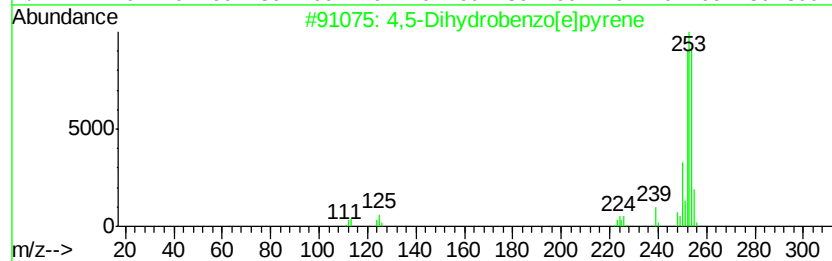
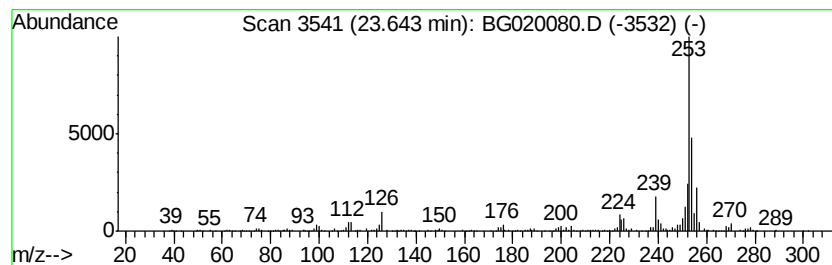
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 4,5-Dihydrobenzo[e]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.64	25.05 ng	713795	Perylene-d12	25.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	90
2		1,1'-Binaphthalene	254	C20H14	000604-53-5	90
3		7,12-DIHYDROBENZO[K]FLUORANTHENE	254	C20H14	1000080-17-7	58
4		Pyrindo[2,3-a]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	58
5		1,2'-Binaphthalene	254	C20H14	004325-74-0	52



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121115\
Data File : BG020080.D
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Misc :
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ClientSampleId :
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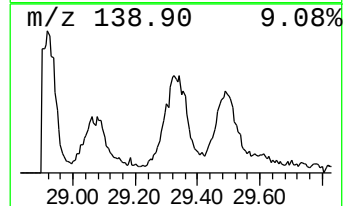
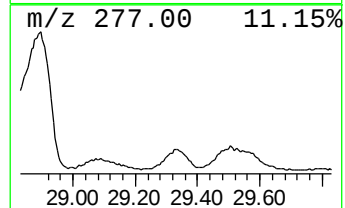
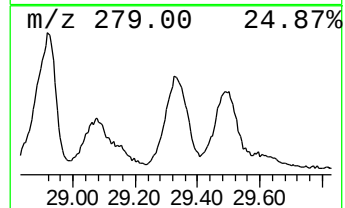
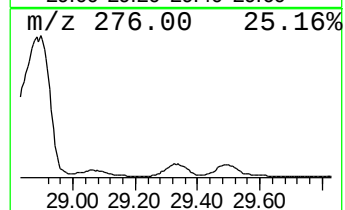
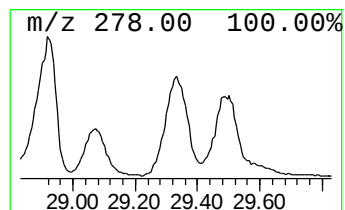
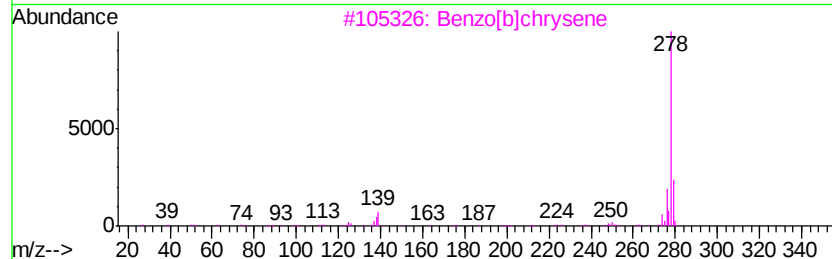
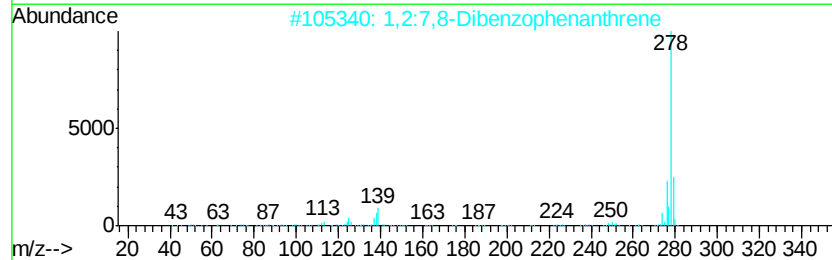
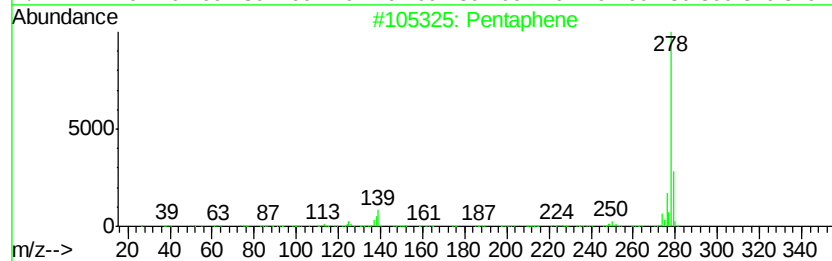
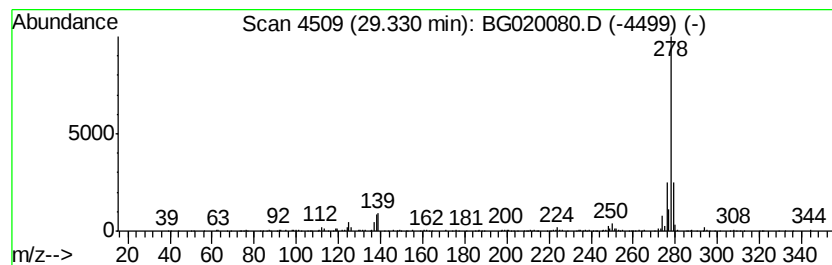
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Pentaphene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.33	26.01 ng	741112	Perylene-d12	25.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentaphene	278	C22H14	000222-93-5	98
2		1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	97
3		Benzo[b]chrysene	278	C22H14	000214-17-5	97
4		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
5		Benzo[a]naphthacene	278	C22H14	000226-88-0	94



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121115\
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 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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unknown7.64	7.64	28.8	ng	717677	1	8.11	499001	20.0
8-Dimethylaminona...	17.21	25.0	ng	456429	4	17.49	364852	20.0
Phenanthrene, 1-m...	18.35	65.5	ng	1195810	4	17.49	364852	20.0
Phenanthrene, 2-m...	18.48	42.0	ng	765954	4	17.49	364852	20.0
4H-Cyclopenta[def...	18.55	116.4	ng	2122780	4	17.49	364852	20.0
Phenanthrene, 4-m...	18.59	34.5	ng	629255	4	17.49	364852	20.0
5,16[1',2']:8,13[...	18.85	44.5	ng	812182	4	17.49	364852	20.0
9,10-Anthracenedione	18.90	28.5	ng	520616	4	17.49	364852	20.0
Anthracene, 2-ethyl-	19.09	22.4	ng	407907	4	17.49	364852	20.0
9,10-Dimethylanth...	19.27	58.8	ng	1071730	4	17.49	364852	20.0
unknown19.33	19.33	21.5	ng	391700	4	17.49	364852	20.0
Cyclopenta(def)ph...	19.42	52.3	ng	954500	4	17.49	364852	20.0
unknown19.63	19.63	22.2	ng	404365	4	17.49	364852	20.0
4,5-Dihydrobenzo[...	23.64	25.1	ng	713795	6	25.08	569964	20.0
Pentaphene	29.33	26.0	ng	741112	6	25.08	569964	20.0