

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071016\
 Data File : BG022994.D
 Acq On : 10 Jul 2016 10:48
 Operator : UM/SJ
 Sample : H3876-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 1A-LOCATION-1-0-5FT

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-BG070816.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	5.218	400	405	414	rVB	97338	164777	2.68%	0.162%
2	5.694	478	486	495	rBV	1145973	1864885	30.31%	1.834%
3	7.304	752	760	775	rVB	1432951	2506035	40.73%	2.465%
4	7.680	817	824	832	rBV	1317023	2205302	35.84%	2.169%
5	8.150	897	904	911	rBV	433946	760491	12.36%	0.748%
6	8.479	951	960	966	rBV	889485	1562251	25.39%	1.536%
7	9.325	1095	1104	1111	rBV	910605	1660209	26.98%	1.633%
8	10.976	1378	1385	1390	rBV	649603	1229184	19.98%	1.209%
9	11.029	1390	1394	1403	rVB	296656	530754	8.63%	0.522%
10	12.627	1657	1666	1675	rBV	255322	443360	7.21%	0.436%
11	12.845	1695	1703	1711	rVB	237835	408694	6.64%	0.402%
12	13.415	1793	1800	1810	rVB	2624860	3962737	64.40%	3.897%
13	13.961	1884	1893	1901	rBV5	107206	312193	5.07%	0.307%
14	14.114	1909	1919	1924	rBV2	217470	435811	7.08%	0.429%
15	14.167	1924	1928	1934	rVB2	142062	214027	3.48%	0.210%
16	14.237	1934	1940	1946	rVB	404433	613615	9.97%	0.603%
17	14.349	1955	1959	1963	rBV3	89008	132684	2.16%	0.130%
18	14.519	1980	1988	1996	rBV2	325823	544162	8.84%	0.535%
19	14.795	2024	2035	2042	rBV2	1155587	1962635	31.90%	1.930%
20	14.860	2042	2046	2052	rVB2	201240	320032	5.20%	0.315%
21	15.189	2096	2102	2110	rVB	450666	749790	12.19%	0.737%
22	15.265	2110	2115	2121	rVB4	87363	141105	2.29%	0.139%
23	15.400	2131	2138	2144	rBV3	113332	213771	3.47%	0.210%
24	15.459	2144	2148	2153	rVB3	81694	131230	2.13%	0.129%
25	15.571	2160	2167	2171	rBV6	84671	207596	3.37%	0.204%
26	15.612	2171	2174	2178	rVB2	107040	144165	2.34%	0.142%
27	15.841	2207	2213	2222	rVB3	532288	1007328	16.37%	0.991%
28	16.135	2257	2263	2271	rVB	253424	400640	6.51%	0.394%
29	16.288	2283	2289	2297	rBV	2419553	3733526	60.68%	3.672%
30	16.511	2325	2327	2334	rVB5	91339	131926	2.14%	0.130%
31	16.852	2381	2385	2389	rVB3	136985	210772	3.43%	0.207%
32	16.899	2389	2393	2398	rVB3	78820	129482	2.10%	0.127%
33	17.075	2416	2423	2427	rBV4	165066	307428	5.00%	0.302%
34	17.122	2427	2431	2434	rVV3	110444	177792	2.89%	0.175%

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35	17.204	2438	2445	2451	rVB	370688	585192	9.51%	0.576%
36	17.275	2451	2457	2464	rBV2	258466	462281	7.51%	0.455%
37	17.375	2469	2474	2481	rVB	248558	417965	6.79%	0.411%
38	17.557	2498	2505	2508	rBV	1427525	2304412	37.45%	2.266%
39	17.598	2508	2512	2519	rVV	3847379	6006576	97.62%	5.907%
40	17.686	2519	2527	2532	rVV	678810	1138634	18.50%	1.120%
41	17.745	2533	2537	2541	rVB3	103760	165785	2.69%	0.163%
42	17.821	2546	2550	2554	rBV4	68070	137531	2.24%	0.135%
43	17.962	2562	2574	2580	rBV2	382503	964156	15.67%	0.948%
44	18.021	2581	2584	2588	rVV	144340	176550	2.87%	0.174%
45	18.138	2599	2604	2610	rVB5	118705	215804	3.51%	0.212%
46	18.426	2646	2653	2658	rBV2	723013	1266892	20.59%	1.246%
47	18.479	2658	2662	2669	rVB	924407	1331066	21.63%	1.309%
48	18.556	2671	2675	2680	rVB	255518	379797	6.17%	0.374%
49	18.626	2680	2687	2691	rBV3	681123	1464152	23.80%	1.440%
50	18.661	2691	2693	2698	rVB	495636	574010	9.33%	0.565%
51	18.714	2698	2702	2709	rBV9	104701	256307	4.17%	0.252%
52	18.920	2733	2737	2741	rVV	419099	578529	9.40%	0.569%
53	18.967	2741	2745	2750	rVB2	605706	829934	13.49%	0.816%
54	19.167	2775	2779	2784	rBV4	154366	222636	3.62%	0.219%
55	19.220	2784	2788	2791	rVB	100169	125940	2.05%	0.124%
56	19.255	2791	2794	2797	rBV2	100423	124649	2.03%	0.123%
57	19.337	2802	2808	2813	rBV	352820	627712	10.20%	0.617%
58	19.402	2815	2819	2821	rBV3	107225	159320	2.59%	0.157%
59	19.478	2828	2832	2840	rVB3	325186	592139	9.62%	0.582%
60	19.601	2848	2853	2859	rVV	3739927	5624598	91.41%	5.532%
61	19.660	2859	2863	2865	rVV	107230	161130	2.62%	0.158%
62	19.695	2865	2869	2874	rVV3	249240	400746	6.51%	0.394%
63	19.754	2874	2879	2882	rVV	359817	521649	8.48%	0.513%
64	19.795	2882	2886	2889	rVV3	231868	354997	5.77%	0.349%
65	19.848	2891	2895	2903	rVV3	189679	480546	7.81%	0.473%
66	19.930	2903	2909	2911	rVV2	721118	1218891	19.81%	1.199%
67	19.966	2911	2915	2922	rVV	3151934	4748216	77.17%	4.670%
68	20.030	2922	2926	2933	rVB2	348536	546352	8.88%	0.537%
69	20.154	2940	2947	2952	rBV	4339396	5873676	95.46%	5.777%
70	20.201	2952	2955	2960	rVB	258060	390505	6.35%	0.384%
71	20.277	2963	2968	2969	rBV3	335322	466220	7.58%	0.459%

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72	20.418	2986	2992	2993	rVV3	315882	554482	9.01%	0.545%
73	20.448	2994	2997	3003	rVB	606678	887780	14.43%	0.873%
74	20.547	3010	3014	3018	rBV2	244000	352444	5.73%	0.347%
75	20.606	3018	3024	3029	rVB2	433939	827209	13.44%	0.814%
76	20.683	3034	3037	3043	rBV5	89876	142850	2.32%	0.140%
77	20.747	3044	3048	3052	rBV	271922	409951	6.66%	0.403%
78	20.794	3053	3056	3059	rVB2	195645	210122	3.41%	0.207%
79	21.047	3095	3099	3102	rBV6	109888	143140	2.33%	0.141%
80	21.223	3124	3129	3135	rBV	502452	754320	12.26%	0.742%
81	21.417	3154	3162	3165	rBV2	277191	739966	12.03%	0.728%
82	21.458	3165	3169	3174	rVV2	520913	905456	14.72%	0.891%
83	21.511	3174	3178	3183	rVV3	346710	636087	10.34%	0.626%
84	21.570	3183	3188	3199	rVB2	514039	1007525	16.37%	0.991%
85	21.840	3226	3234	3240	rVV3	2281729	6153167	100.00%	6.052%
86	21.893	3240	3243	3251	rVB	1403523	2391251	38.86%	2.352%
87	22.057	3267	3271	3276	rBV2	129073	213314	3.47%	0.210%
88	22.122	3278	3282	3288	rVV2	180412	318431	5.18%	0.313%
89	22.269	3302	3307	3314	rBV4	247101	534544	8.69%	0.526%
90	22.334	3314	3318	3323	rVB8	81176	143761	2.34%	0.141%
91	22.604	3360	3364	3370	rVB2	319108	527467	8.57%	0.519%
92	22.680	3373	3377	3386	rVB2	230467	441006	7.17%	0.434%
93	22.886	3409	3412	3417	rBV4	115728	179284	2.91%	0.176%
94	23.039	3433	3438	3446	rVB6	131501	278284	4.52%	0.274%
95	24.137	3616	3625	3634	rBV3	868717	3255301	52.90%	3.202%
96	24.408	3665	3671	3678	rBV2	194252	435418	7.08%	0.428%
97	24.895	3746	3754	3767	rVB2	470656	1555126	25.27%	1.529%
98	25.048	3771	3780	3791	rVB	822496	2347238	38.15%	2.309%
99	25.207	3798	3807	3816	rBV2	859733	2496298	40.57%	2.455%
100	29.061	4452	4463	4481	rVB3	277457	1420615	23.09%	1.397%

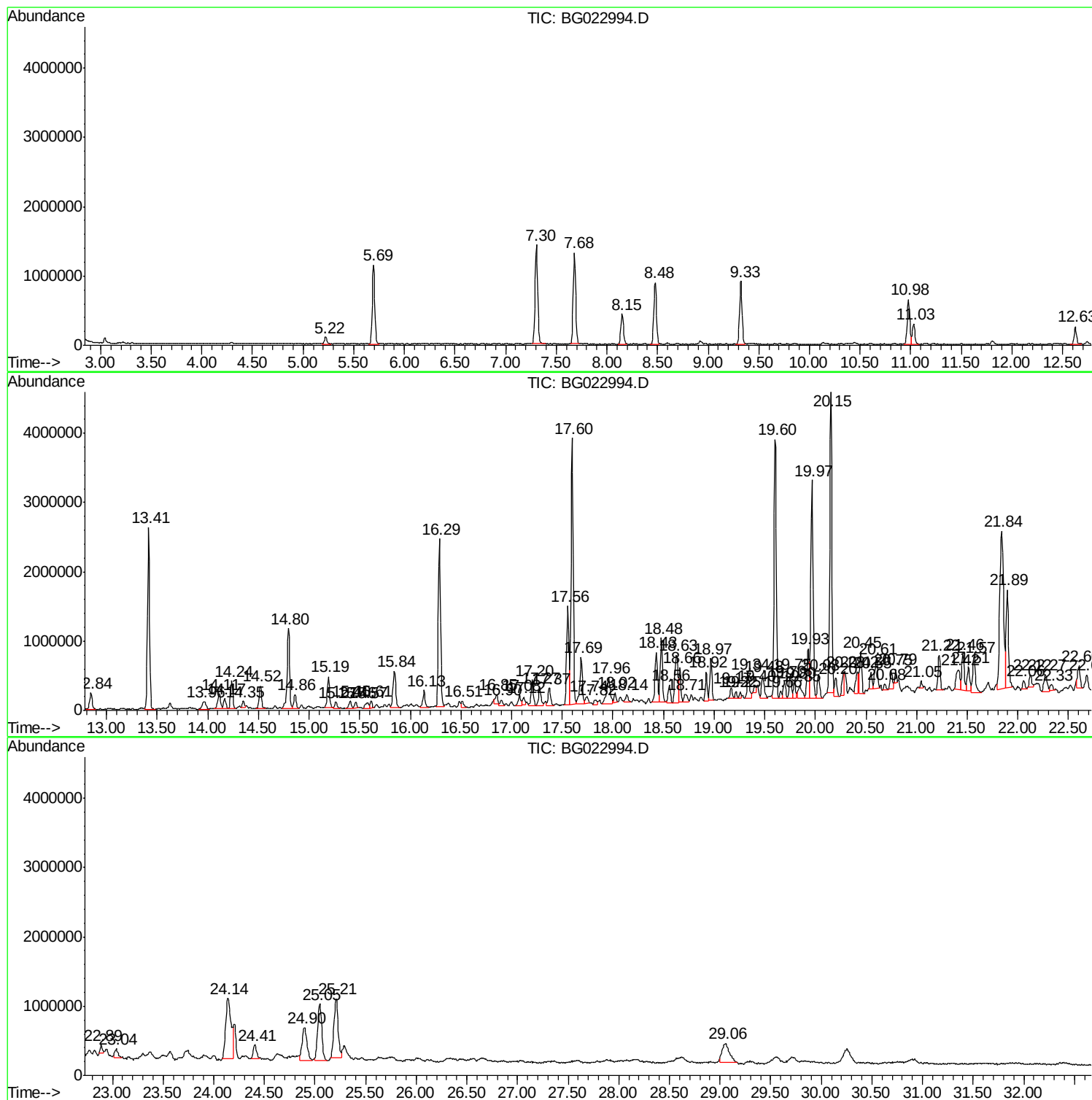
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Instrument :
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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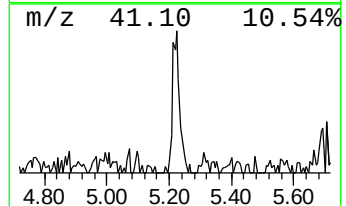
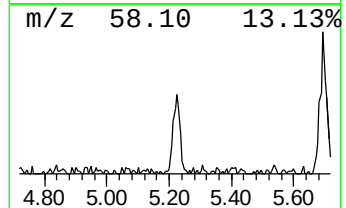
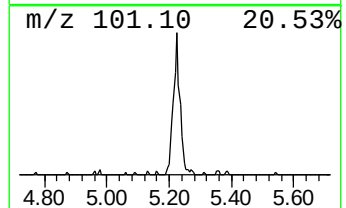
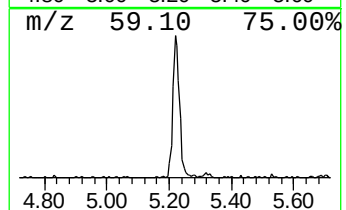
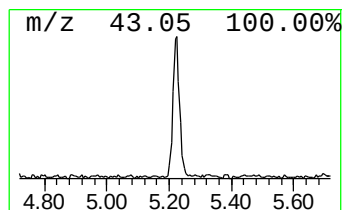
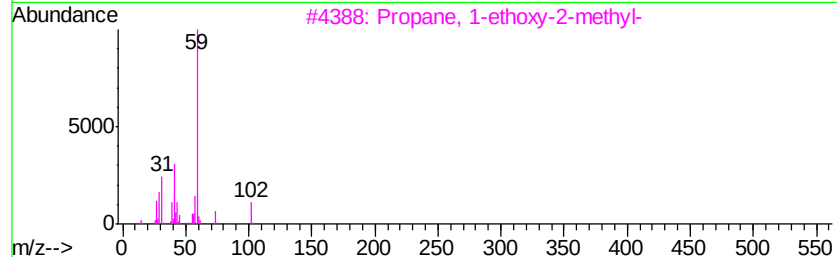
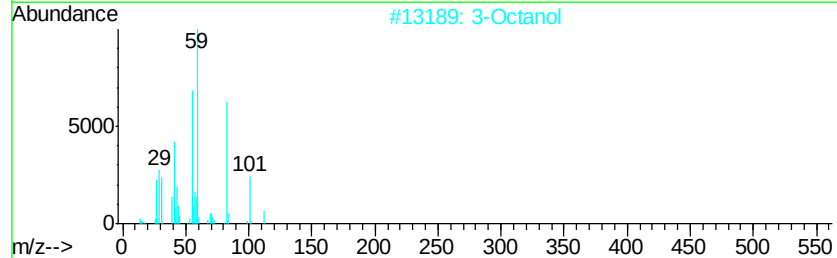
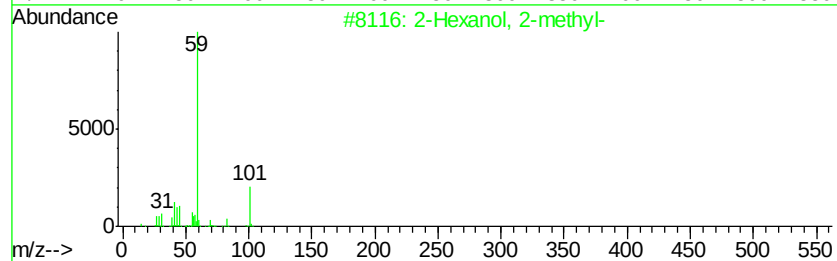
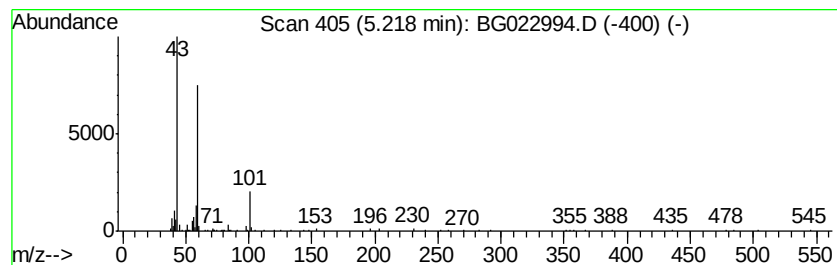
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Hexanol, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	4.33 ng	164777	1,4-Dichlorobenzene-d4	8.15

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	64
2			3-Octanol	130	C8H18O	000589-98-0	56
3			Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	47
4			Butane, 1-ethoxy-	102	C6H14O	000628-81-9	47
5			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45



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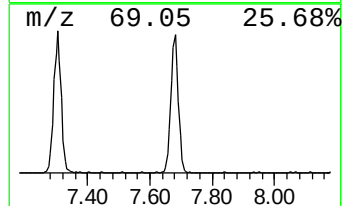
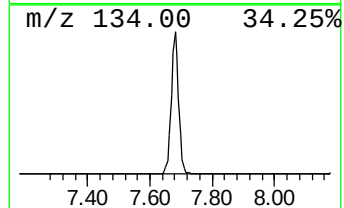
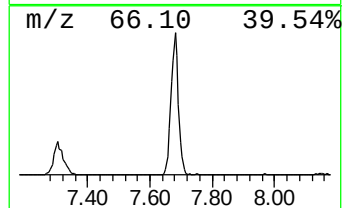
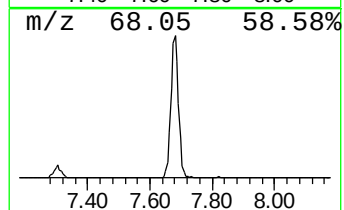
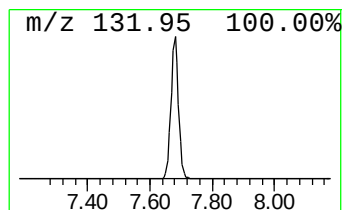
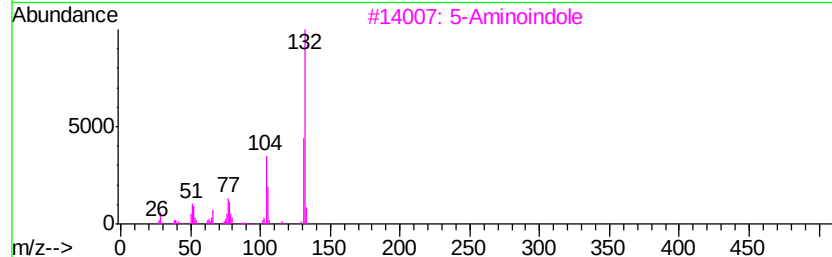
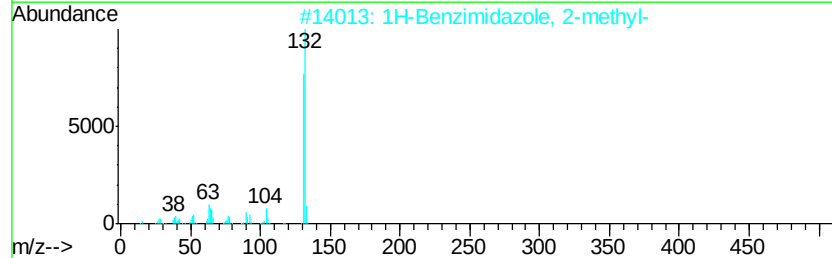
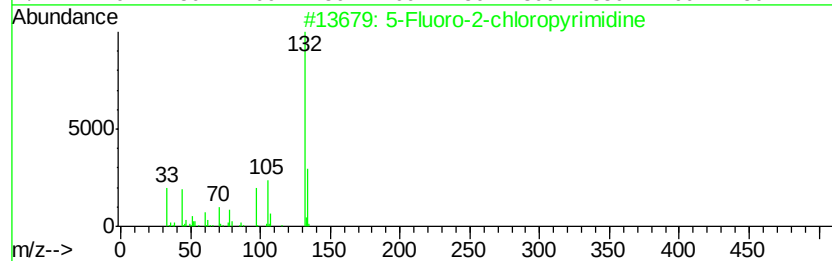
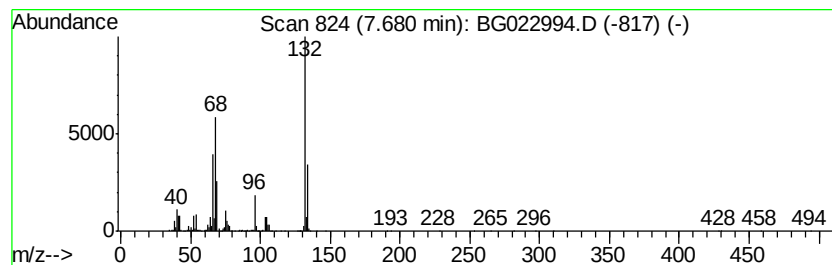
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown7.68 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.68	58.00 ng	2205300	1,4-Dichlorobenzene-d4	8.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	14
2		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
3		5-Aminoindole	132	C8H8N2	005192-03-0	9
4		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5		Xenon	132	Xe	007440-63-3	9



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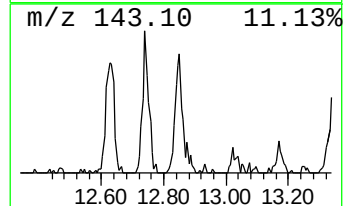
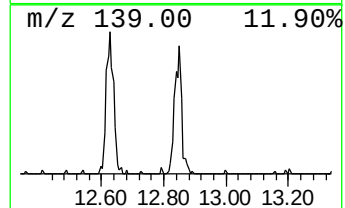
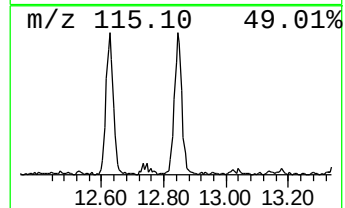
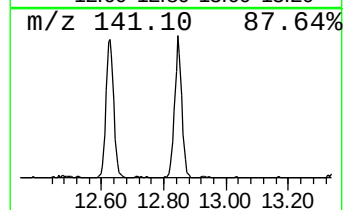
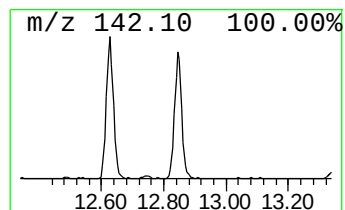
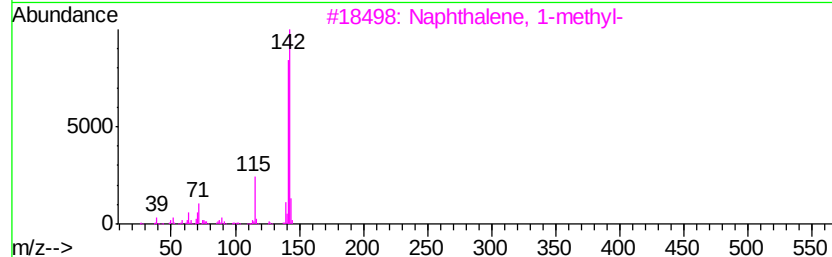
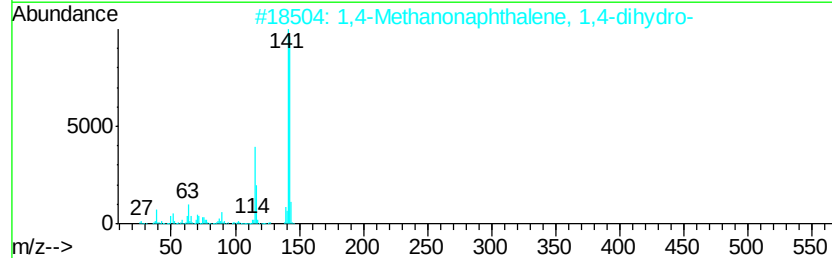
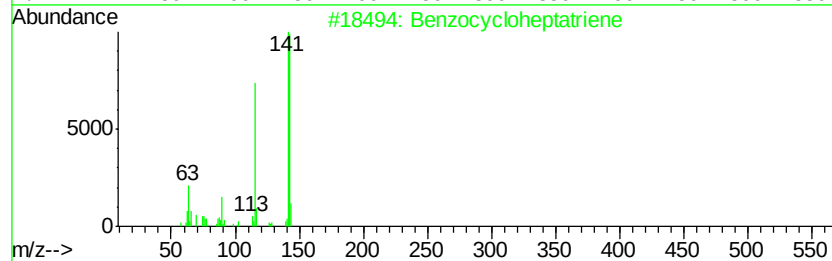
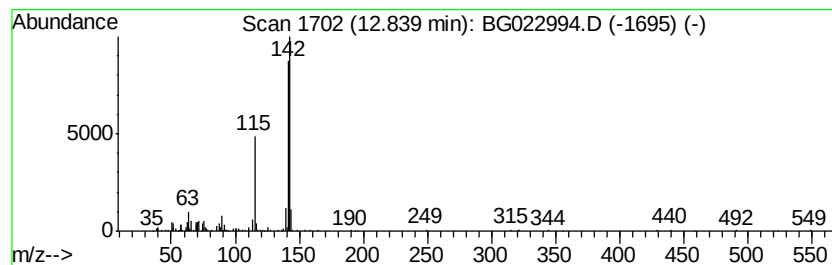
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzocycloheptatriene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.84	6.65 ng	408694	Naphthalene-d8	10.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzocycloheptatriene	142	C11H10	000264-09-5	95
2		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
3		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
4		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
5		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	86



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071016\
Data File : BG022994.D
Acq On : 10 Jul 2016 10:48
Operator : UM/SJ
Sample : H3876-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
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ClientSampleId :
1A-LOCATION-1-0-5FT

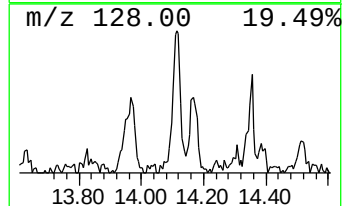
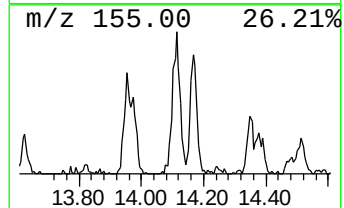
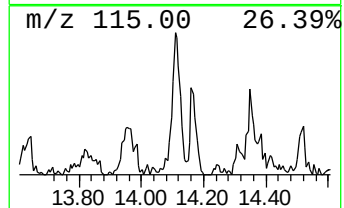
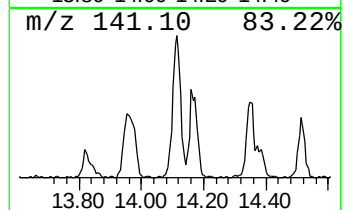
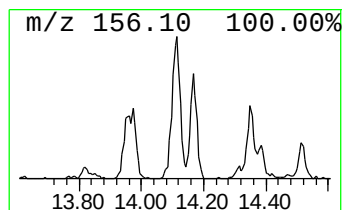
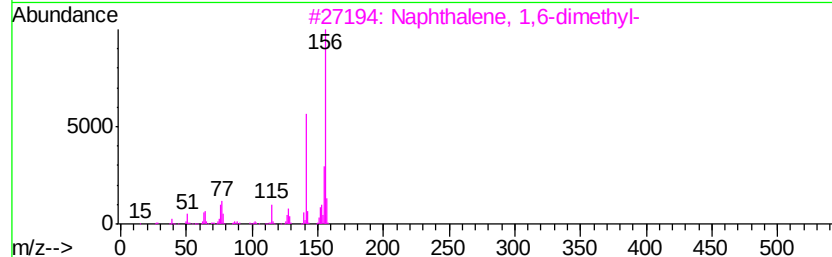
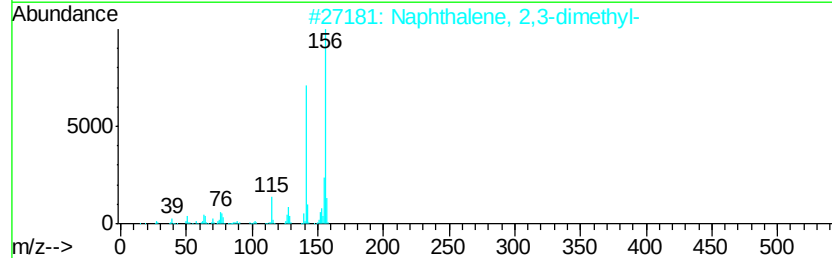
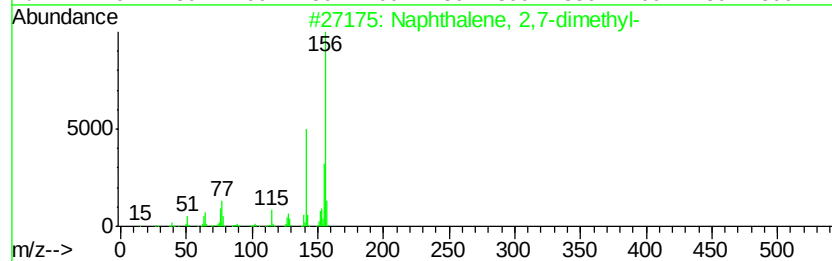
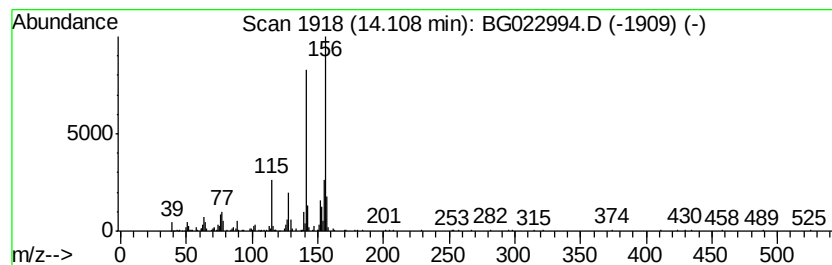
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 2,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.11	4.44 ng	435811	Acenaphthene-d10	14.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	94
4		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94
5		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94



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Data File : BG022994.D
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ClientSampleId :
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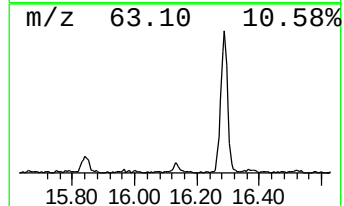
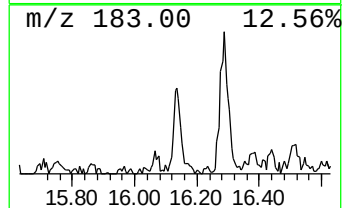
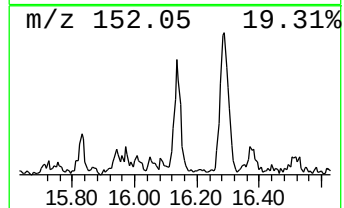
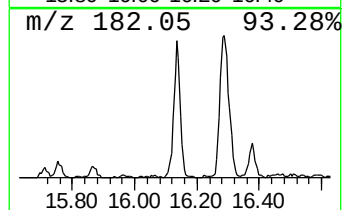
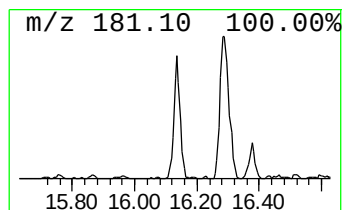
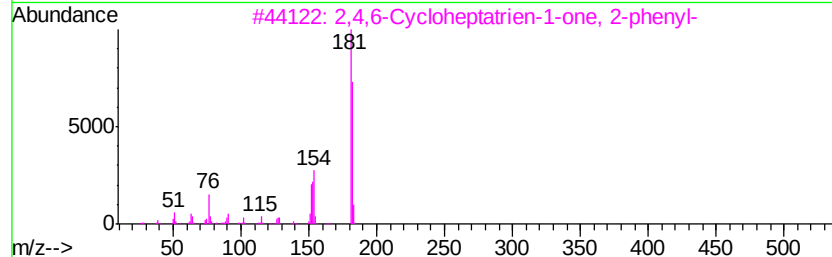
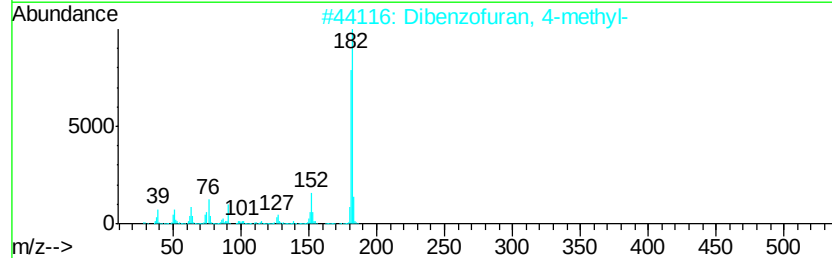
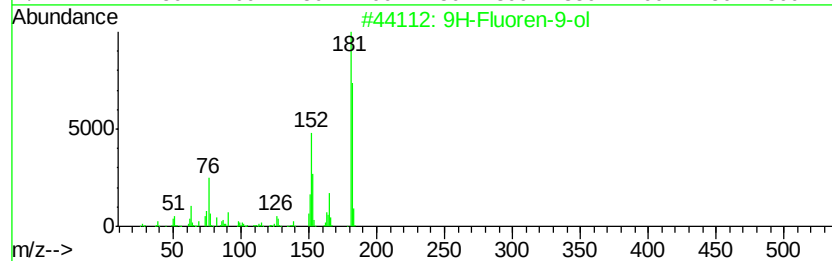
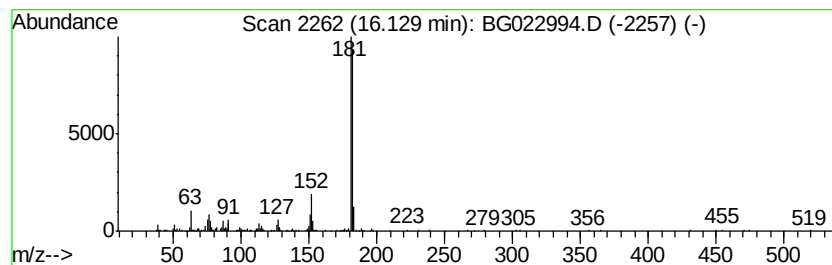
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 9H-Fluoren-9-ol Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.13	4.08 ng	400640	Acenaphthene-d10	14.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
2		Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
3		2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
4		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
5		9H-Xanthene	182	C13H10O	000092-83-1	64



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071016\
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Acq On : 10 Jul 2016 10:48
Operator : UM/SJ
Sample : H3876-01
Misc :
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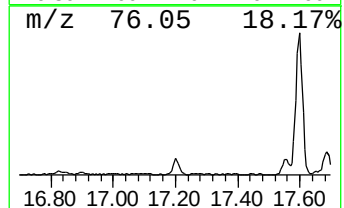
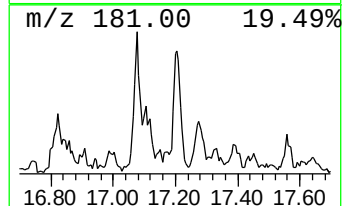
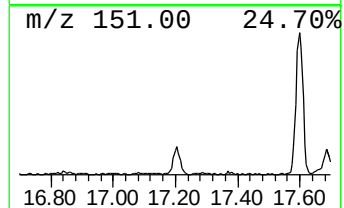
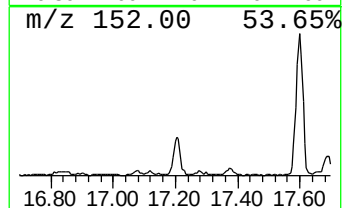
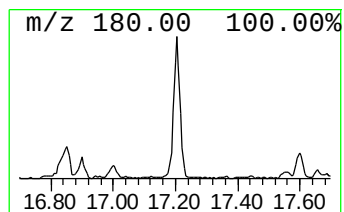
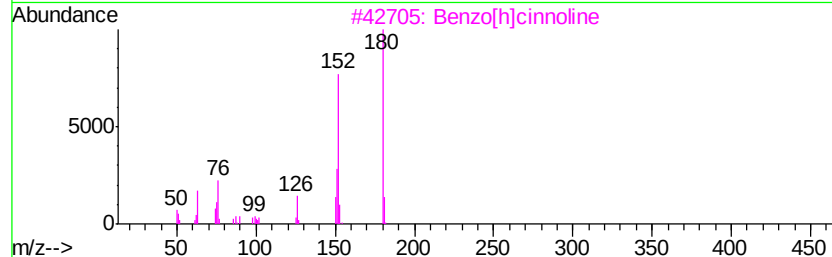
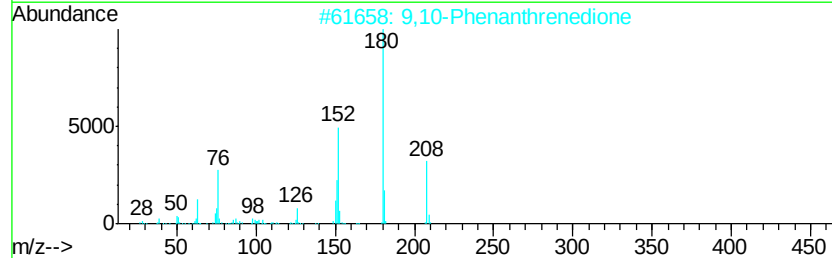
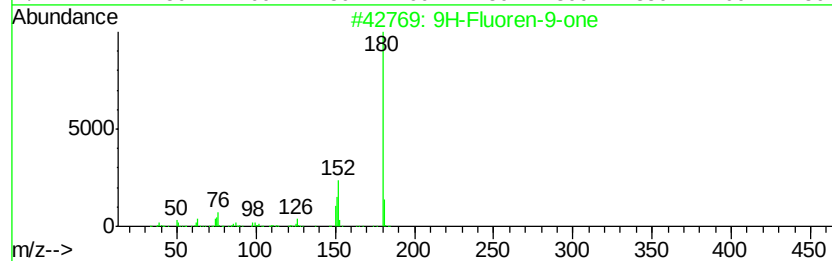
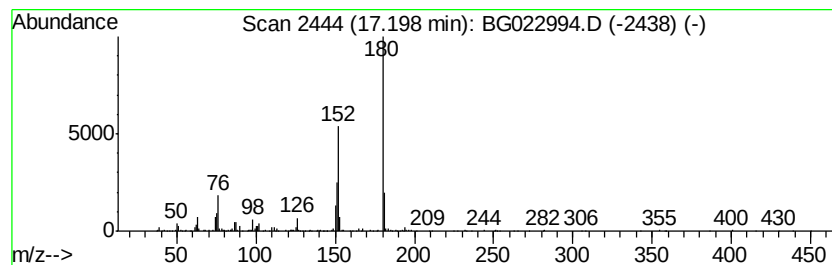
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9H-Fluoren-9-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.
17.20	5.08 ng	585192	Phenanthrene-d10		17.56
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	74
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50
5	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	50



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071016\
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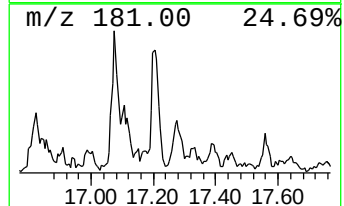
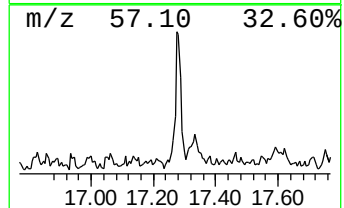
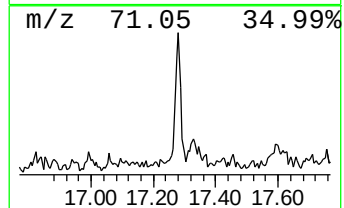
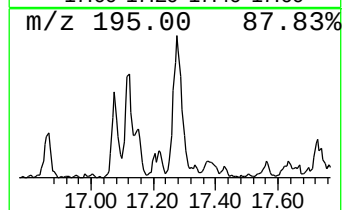
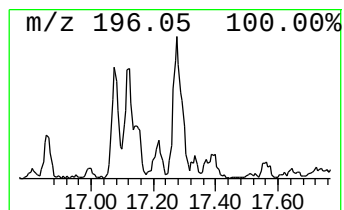
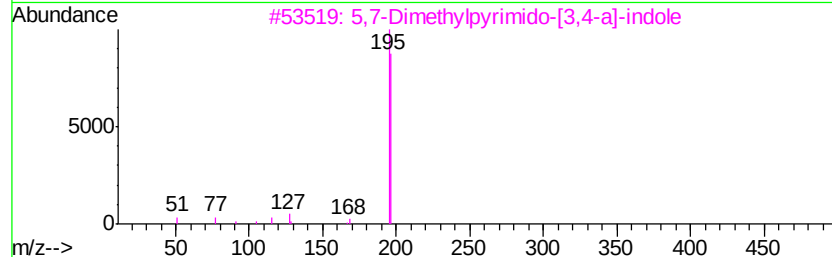
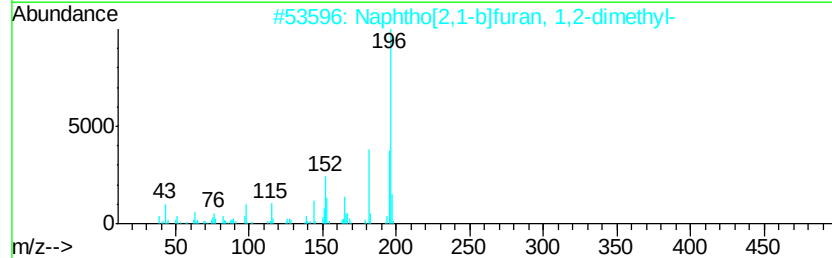
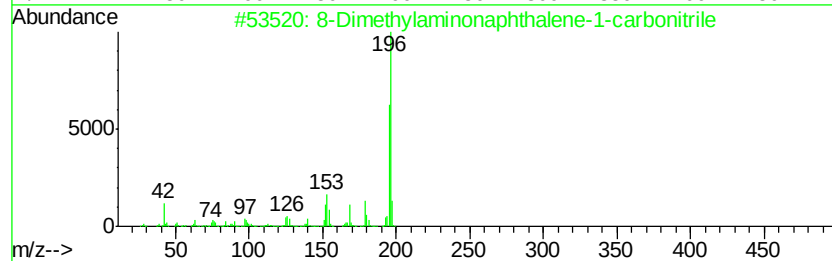
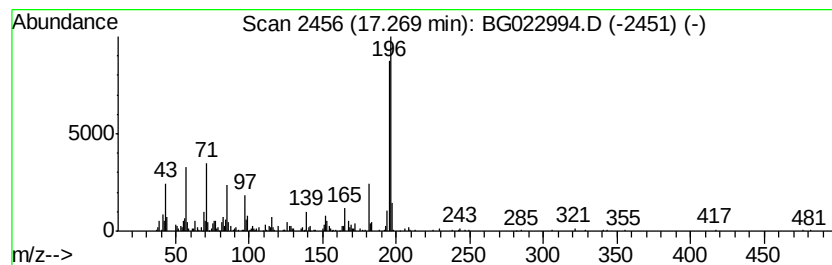
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.27	4.01 ng	462281	Phenanthrene-d10	17.56		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	52	
2	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	50	
3	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	46	
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	43	
5	7-Methoxy-piperonylicacid	196	C9H8O5	000526-34-1	43	



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071016\
Data File : BG022994.D
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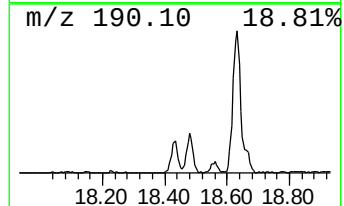
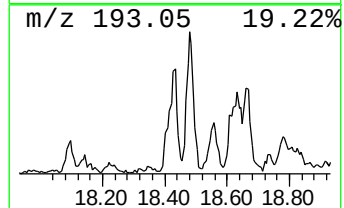
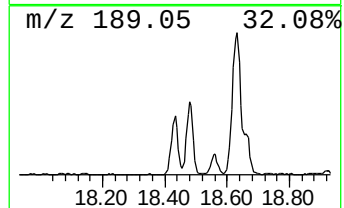
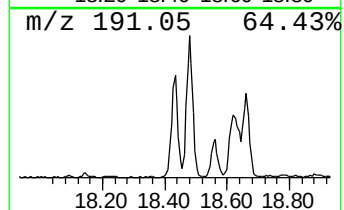
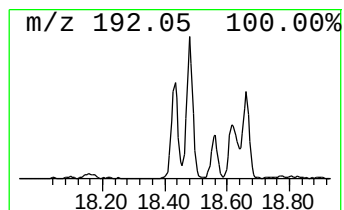
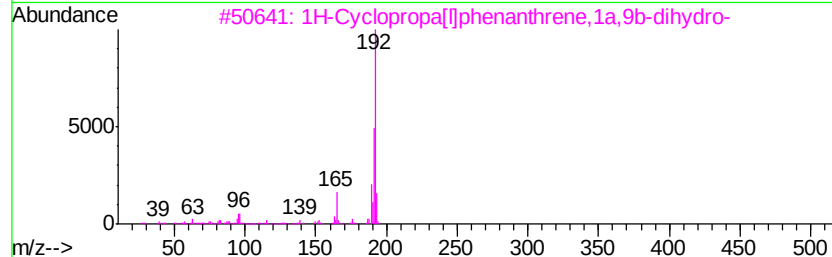
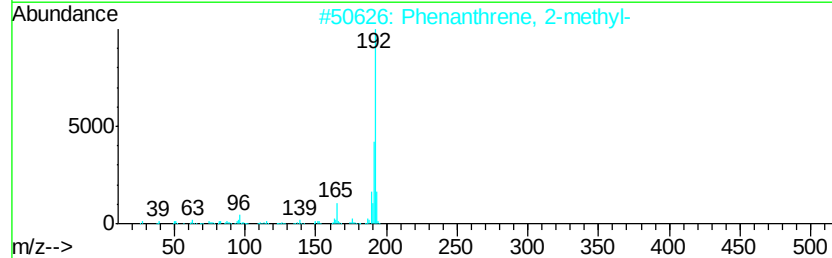
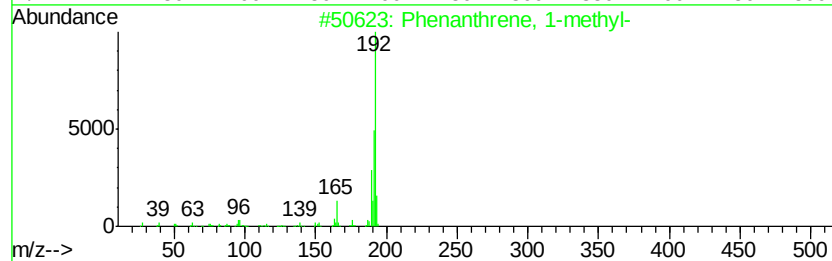
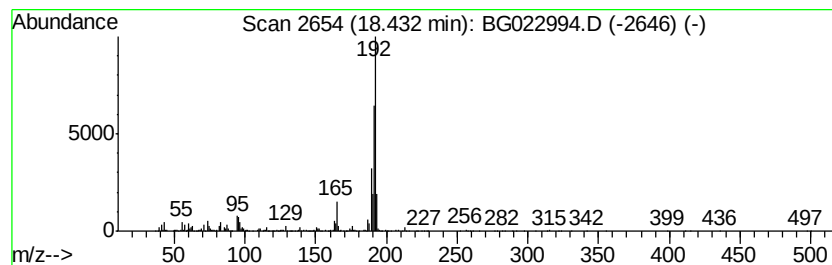
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	11.00 ng	1266890	Phenanthrene-d10	17.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	93
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	81



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071016\
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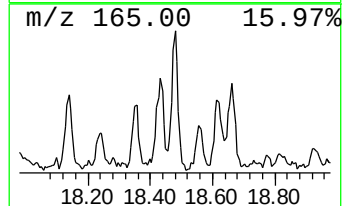
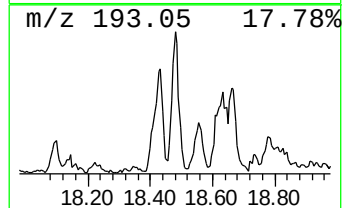
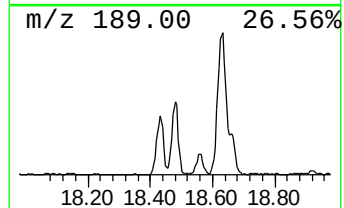
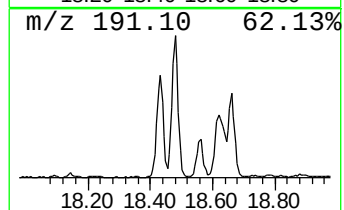
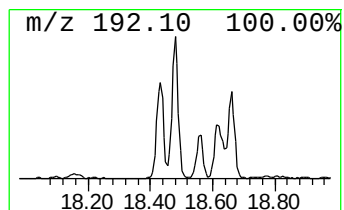
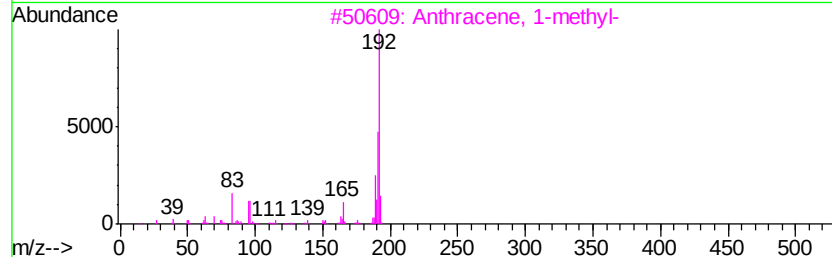
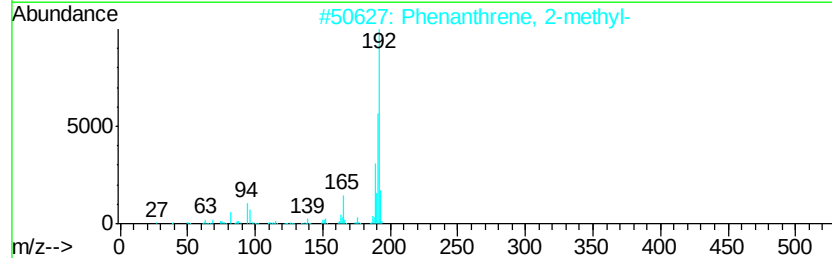
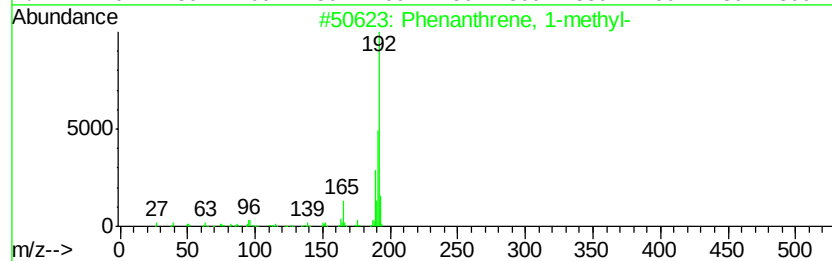
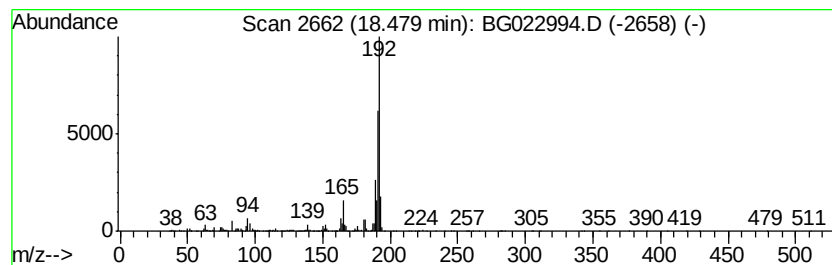
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	11.55 ng	1331070	Phenanthrene-d10	17.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	93
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071016\
Data File : BG022994.D
Acq On : 10 Jul 2016 10:48
Operator : UM/SJ
Sample : H3876-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

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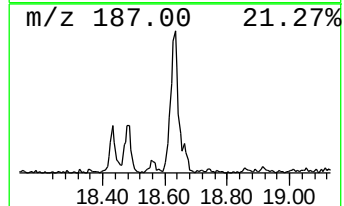
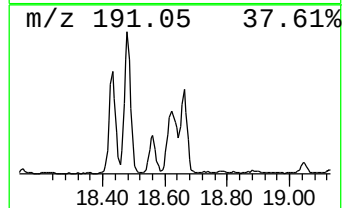
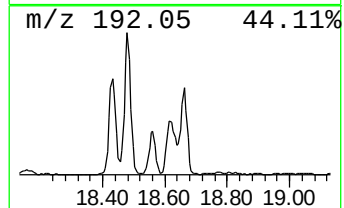
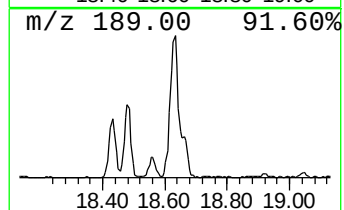
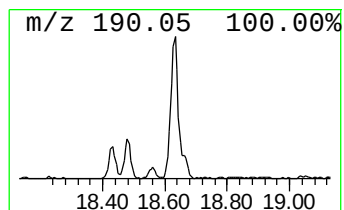
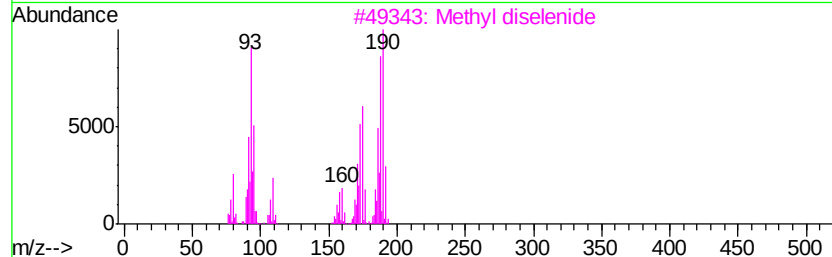
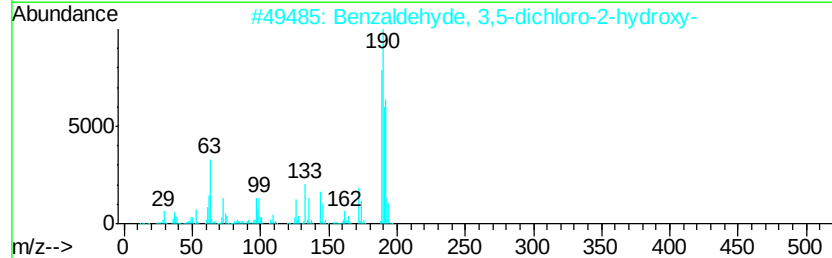
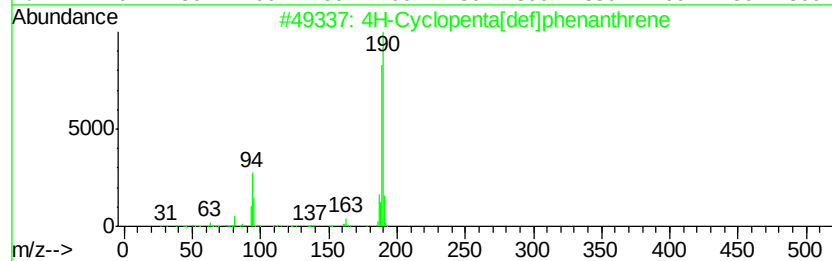
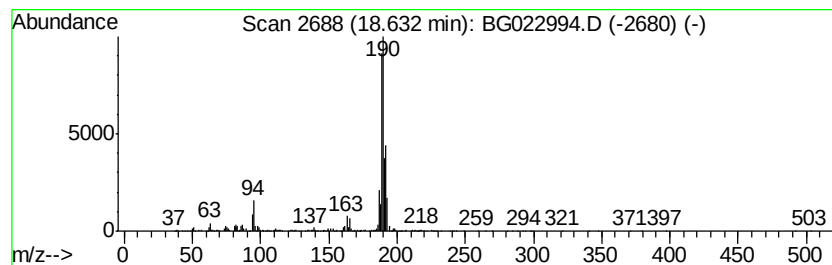
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	12.71 ng	1464150	Phenanthrene-d10	17.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
3		Methyl diselenide	190	C2H6Se2	007101-31-7	45
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
5		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071016\
Data File : BG022994.D
Acq On : 10 Jul 2016 10:48
Operator : UM/SJ
Sample : H3876-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

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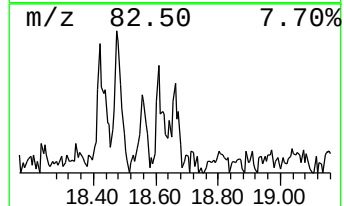
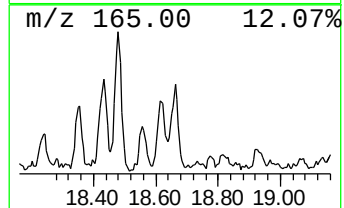
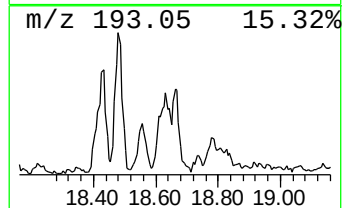
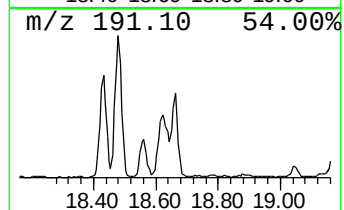
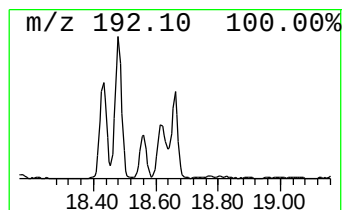
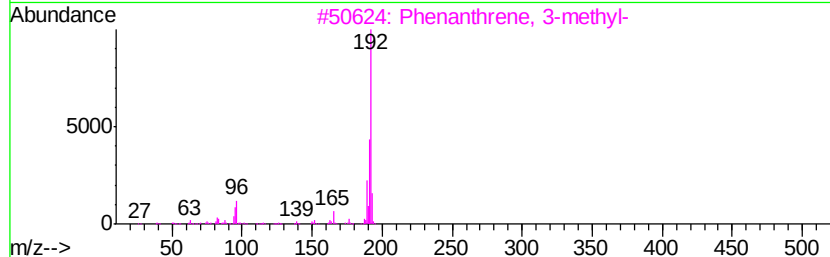
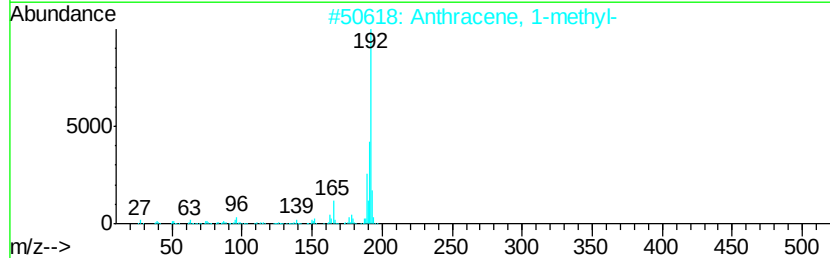
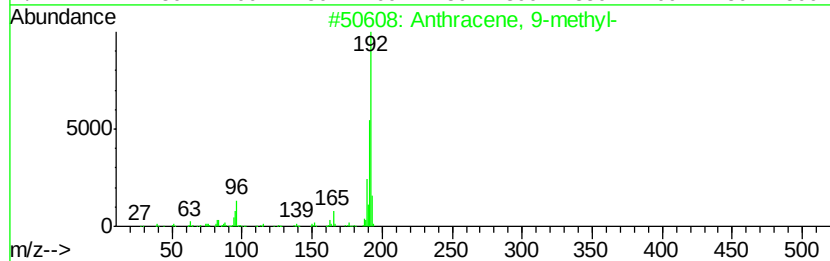
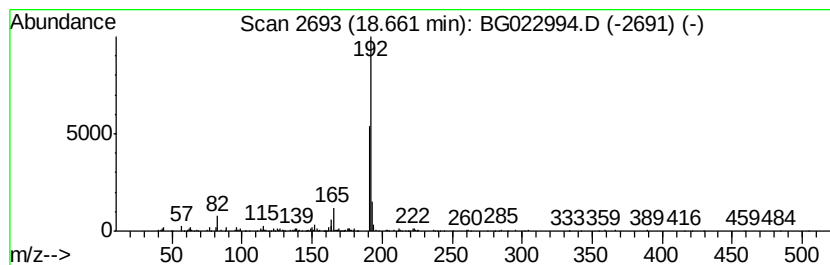
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Anthracene, 9-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	4.98 ng	574010	Phenanthrene-d10	17.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
3		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071016\
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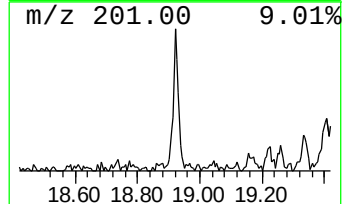
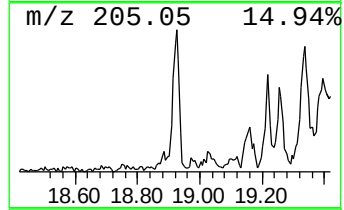
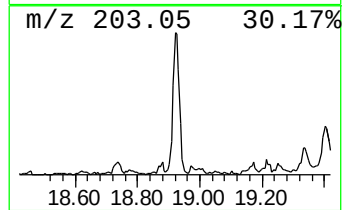
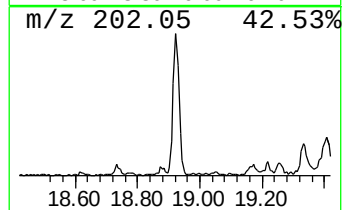
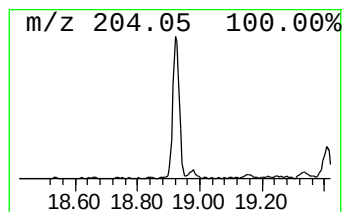
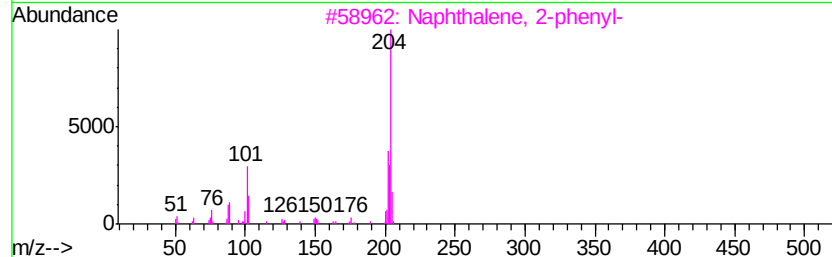
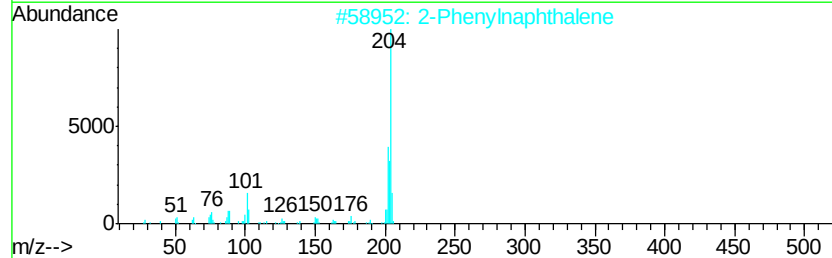
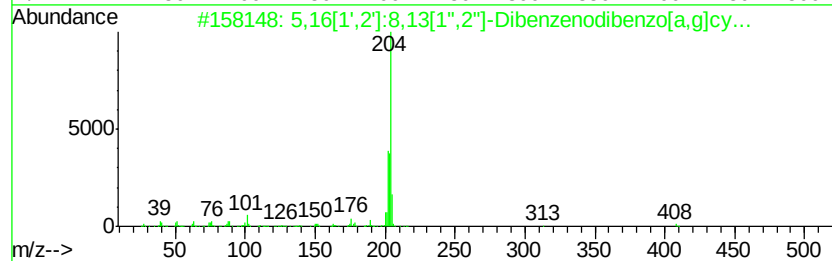
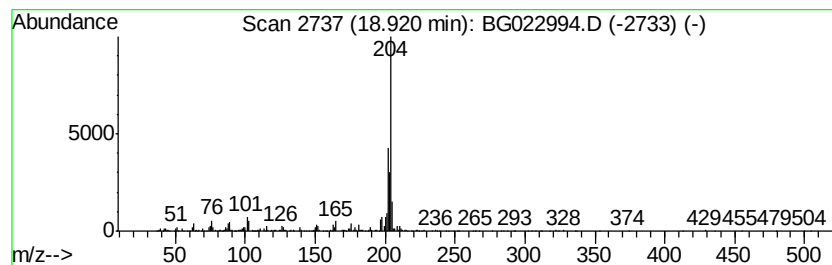
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.92	5.02 ng	578529	Phenanthrene-d10	17.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	83
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	50



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071016\
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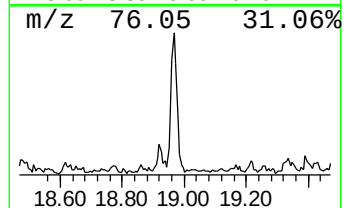
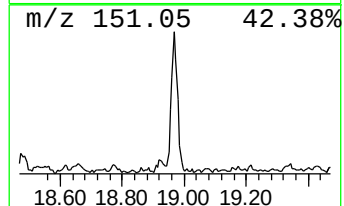
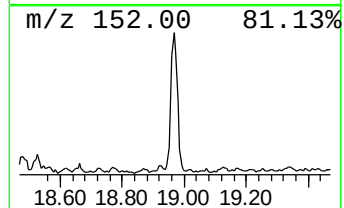
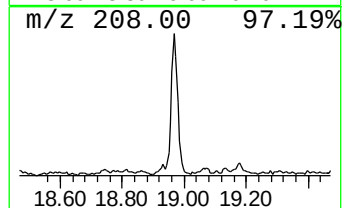
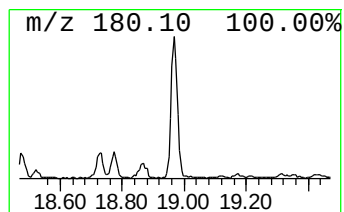
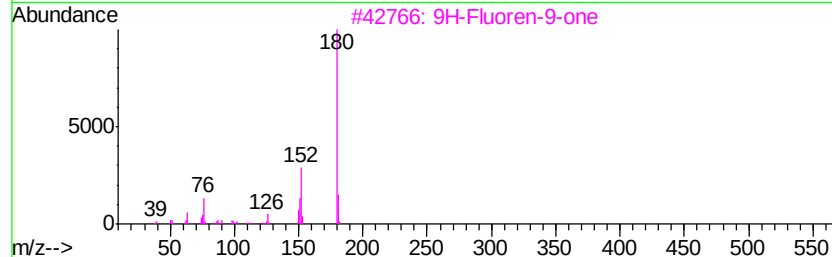
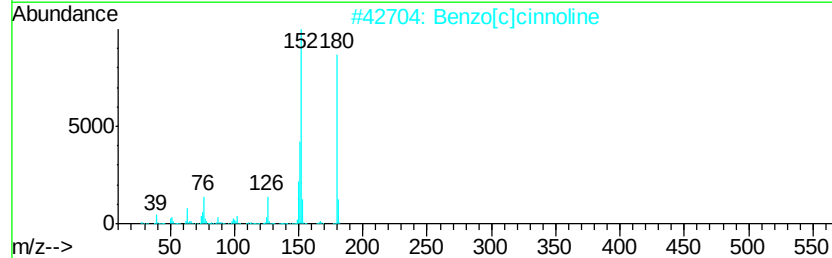
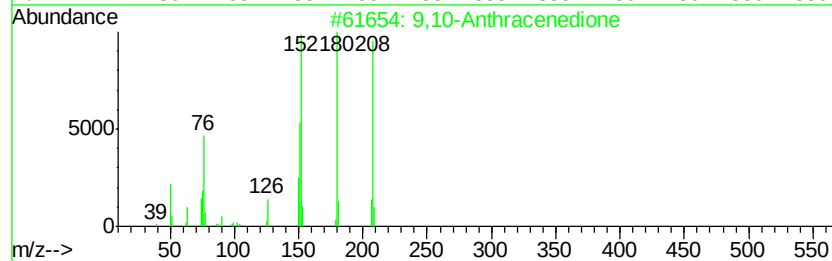
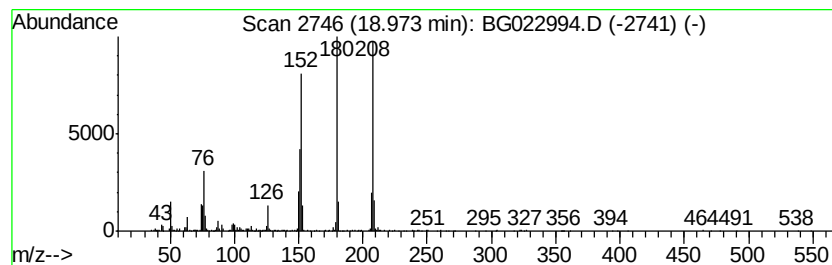
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	7.20 ng	829934	Phenanthrene-d10	17.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	93
3		9H-Fluoren-9-one	180	C13H8O	000486-25-9	86
4		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	64
5		1H-Phenalen-1-one	180	C13H8O	000548-39-0	60



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071016\
Data File : BG022994.D
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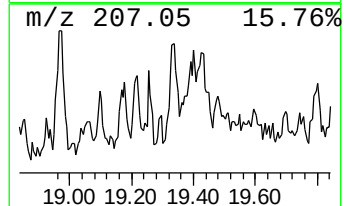
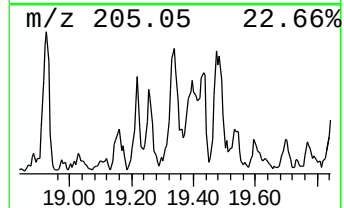
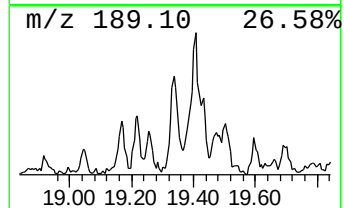
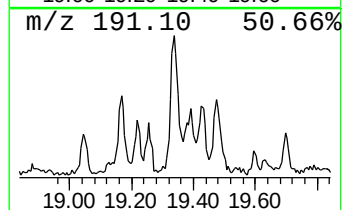
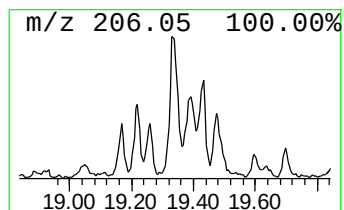
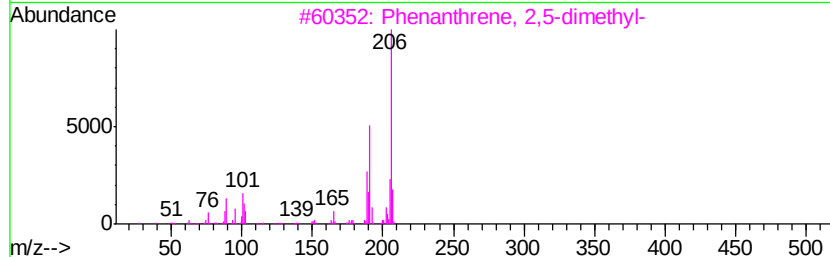
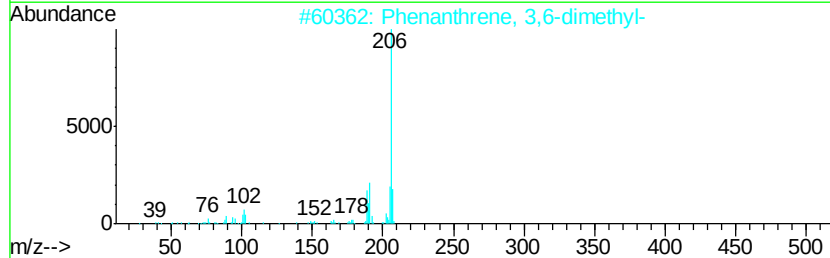
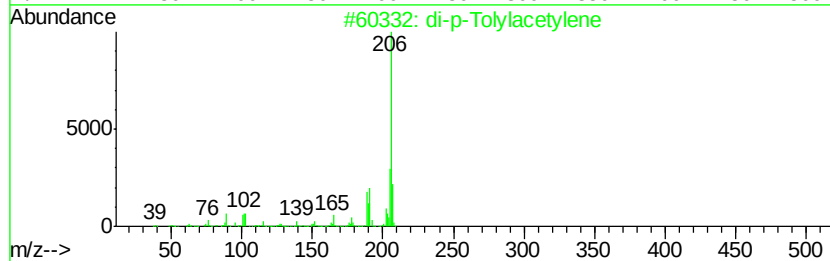
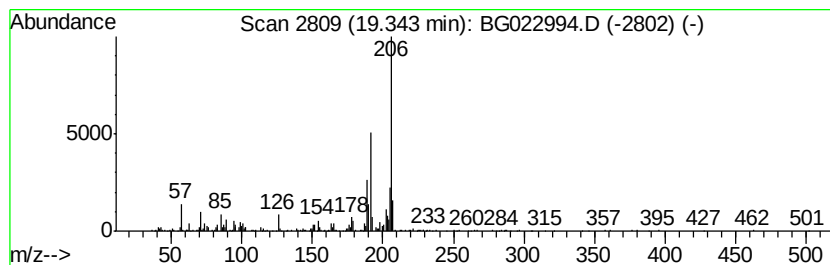
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 di-p-Tolylacetylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	5.45 ng	627712	Phenanthrene-d10	17.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
3		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	86
4		[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	81
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	74



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071016\
Data File : BG022994.D
Acq On : 10 Jul 2016 10:48
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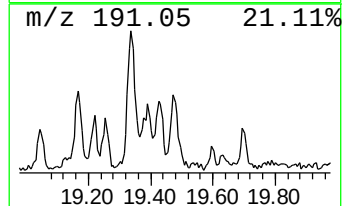
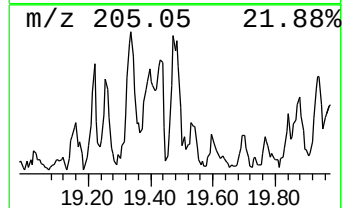
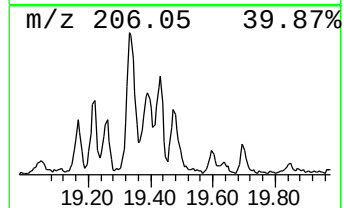
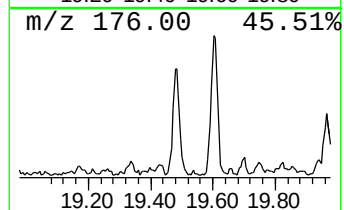
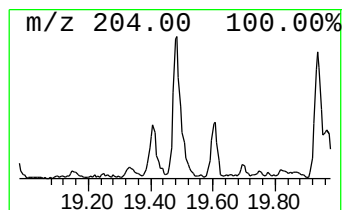
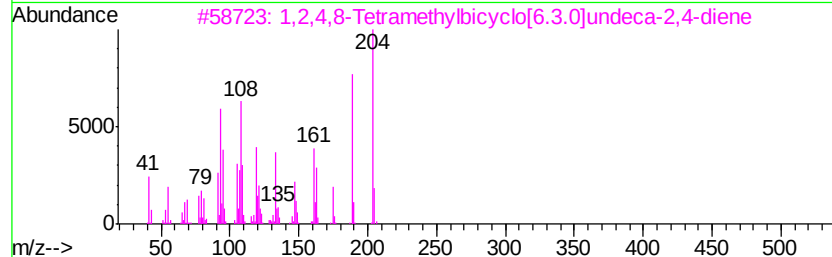
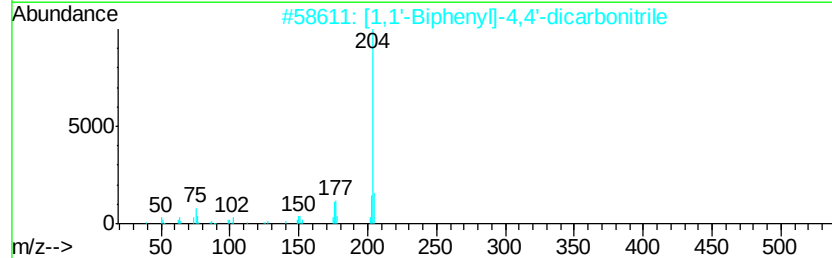
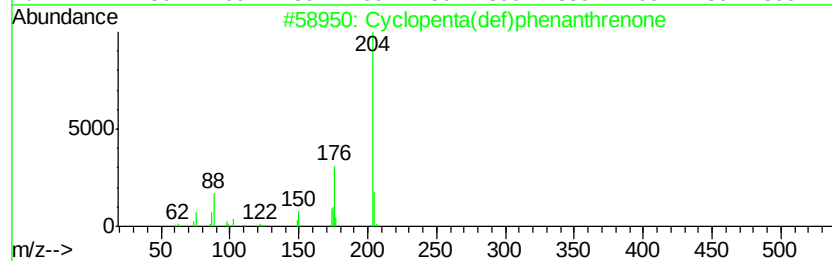
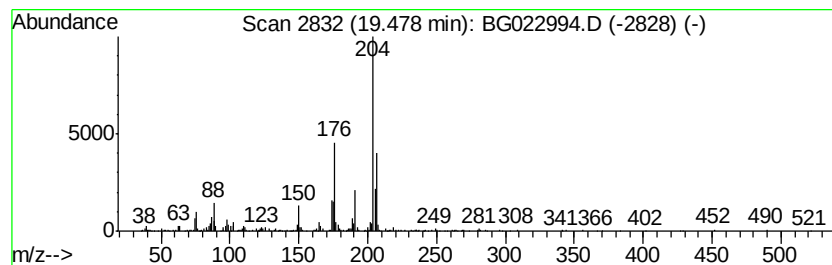
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.48	5.14 ng	592139	Phenanthrene-d10	17.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	64
2		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
3		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	41
4		Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	38
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071016\
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Misc :
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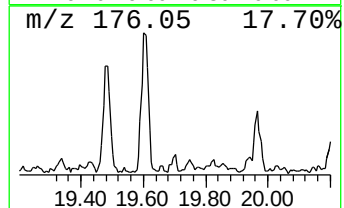
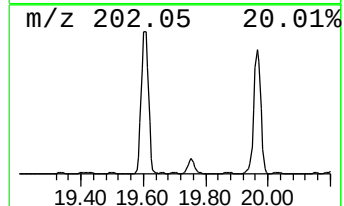
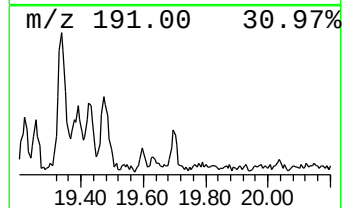
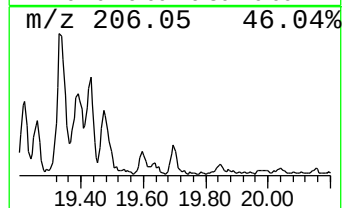
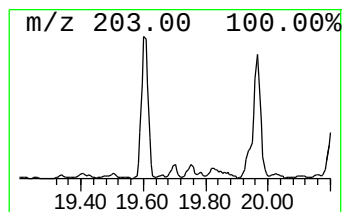
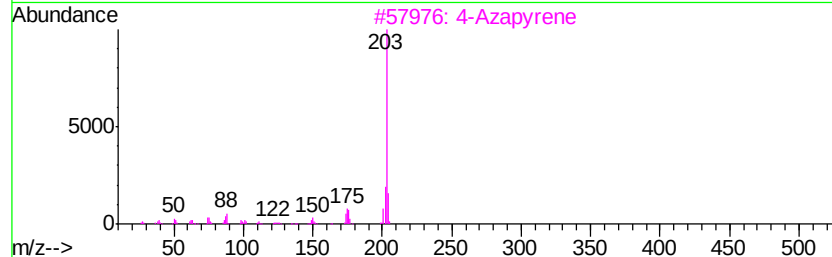
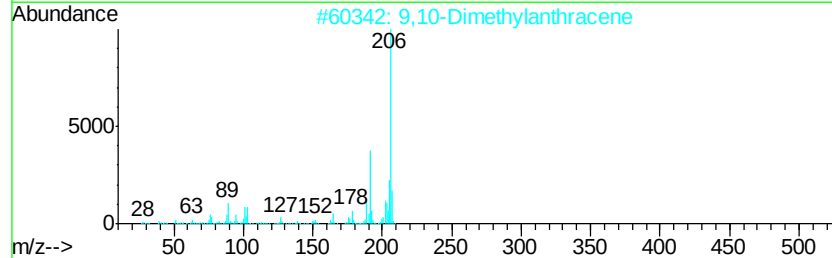
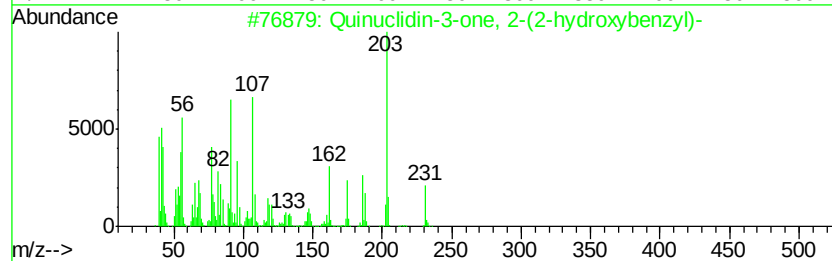
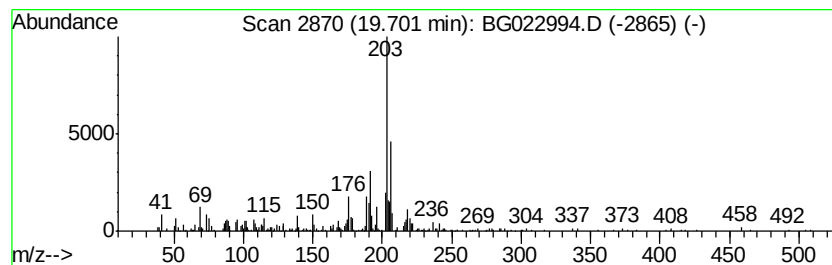
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Quinuclidin-3-one, 2-(2-hyd... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.70	3.48 ng	400746	Phenanthrene-d10	17.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Quinuclidin-3-one, 2-(2-hydroxyb...	231	C14H17N02	065541-10-8	74
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	49
3		4-Azapyrene	203	C15H9N	000194-03-6	46
4		9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	42
5		3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	42



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071016\
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Sample : H3876-01
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ALS Vial : 27 Sample Multiplier: 1

Instrument :
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ClientSampleId :
1A-LOCATION-1-0-5FT

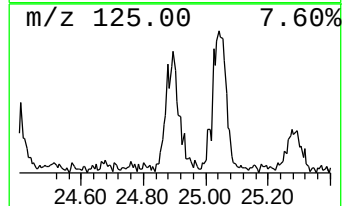
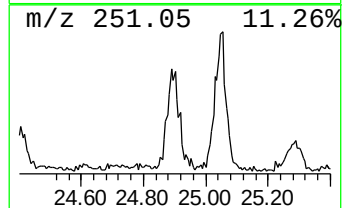
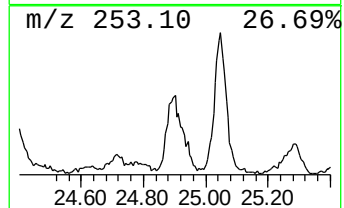
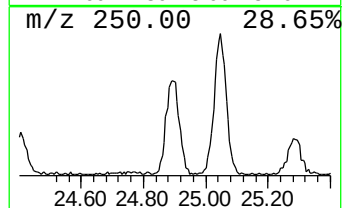
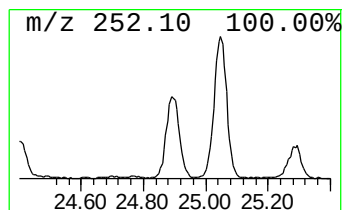
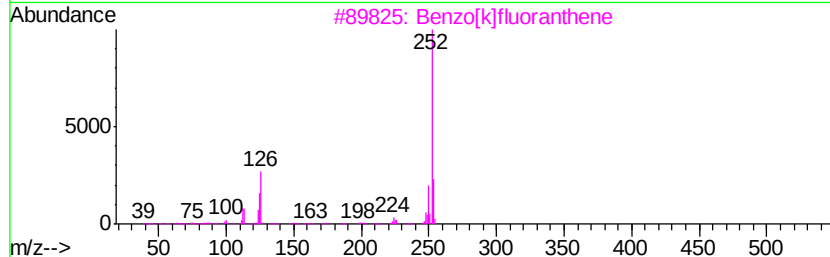
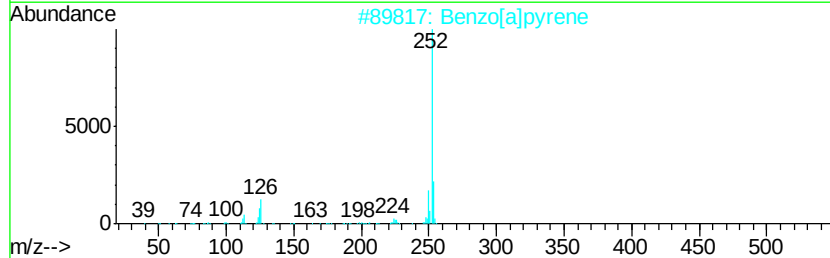
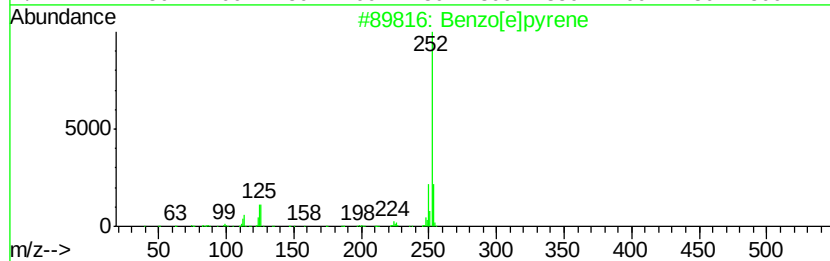
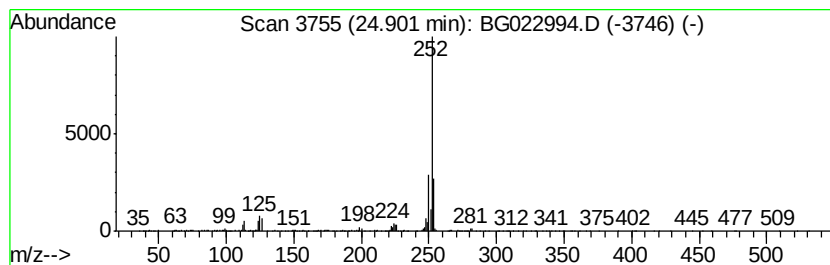
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.90	12.46 ng	1555130	Perylene-d12	25.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	91
2		Benzo[a]pyrene	252	C20H12	000050-32-8	90
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	81
4		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	81



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071016\
 Data File : BG022994.D
 Acq On : 10 Jul 2016 10:48
 Operator : UM/SJ
 Sample : H3876-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 1A-LOCATION-1-0-5FT

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.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
2-Hexanol, 2-methyl-	5.22	4.3	ng	164777	1	8.15	760491	20.0
unknown7.68	7.68	58.0	ng	2205300	1	8.15	760491	20.0
Benzocycloheptatr...	12.84	6.7	ng	408694	2	10.98	1229180	20.0
Naphthalene, 2,7-...	14.11	4.4	ng	435811	3	14.80	1962640	20.0
9H-Fluoren-9-ol	16.13	4.1	ng	400640	3	14.80	1962640	20.0
9H-Fluoren-9-one	17.20	5.1	ng	585192	4	17.56	2304410	20.0
8-Dimethylaminona...	17.27	4.0	ng	462281	4	17.56	2304410	20.0
Phenanthrene, 1-m...	18.43	11.0	ng	1266890	4	17.56	2304410	20.0
Phenanthrene, 2-m...	18.48	11.6	ng	1331070	4	17.56	2304410	20.0
4H-Cyclopenta[def...	18.63	12.7	ng	1464150	4	17.56	2304410	20.0
Anthracene, 9-met...	18.66	5.0	ng	574010	4	17.56	2304410	20.0
5,16[1',2']:8,13[...	18.92	5.0	ng	578529	4	17.56	2304410	20.0
9,10-Anthracenedione	18.97	7.2	ng	829934	4	17.56	2304410	20.0
di-p-Tolylacetylene	19.34	5.5	ng	627712	4	17.56	2304410	20.0
Cyclopenta(def)ph...	19.48	5.1	ng	592139	4	17.56	2304410	20.0
Quinuclidin-3-one...	19.70	3.5	ng	400746	4	17.56	2304410	20.0
Benzo[e]pyrene	24.90	12.5	ng	1555130	6	25.21	2496300	20.0