

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021816\
 Data File : BG020957.D
 Acq On : 19 Feb 2016 4:59
 Operator : SJ/UM
 Sample : H1397-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TEC-COMP1

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-BG021116.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	3.091	38	43	58	rVB	604936	846081	66.03%	4.659%
2	3.237	64	68	78	rVB	22071	39485	3.08%	0.217%
3	5.311	415	421	430	rBV	50621	80165	6.26%	0.441%
4	5.793	493	503	514	rBV	300727	481142	37.55%	2.650%
5	7.402	769	777	790	rVB	336418	564640	44.07%	3.109%
6	7.784	834	842	850	rBV	350583	592166	46.22%	3.261%
7	8.260	916	923	932	rVB	68012	112799	8.80%	0.621%
8	8.583	970	978	986	rBV	238054	403386	31.48%	2.221%
9	9.429	1114	1122	1132	rBV	204474	350436	27.35%	1.930%
10	11.086	1395	1404	1410	rBV	118933	212816	16.61%	1.172%
11	13.500	1808	1815	1822	rBV	594536	888683	69.36%	4.894%
12	14.311	1947	1953	1960	rBV	92528	132331	10.33%	0.729%
13	14.740	2019	2026	2031	rBV	14798	18793	1.47%	0.103%
14	14.869	2042	2048	2055	rVV2	188632	301922	23.56%	1.663%
15	14.933	2055	2059	2065	rVB	16153	24740	1.93%	0.136%
16	15.262	2108	2115	2123	rBV2	18650	32446	2.53%	0.179%
17	15.685	2183	2187	2192	rVB	22773	30188	2.36%	0.166%
18	15.909	2219	2225	2232	rVB2	20641	36446	2.84%	0.201%
19	16.196	2269	2274	2279	rVB	12433	19104	1.49%	0.105%
20	16.349	2294	2300	2309	rVB2	407739	611417	47.72%	3.367%
21	16.543	2328	2333	2336	rBV3	23884	35805	2.79%	0.197%
22	16.566	2336	2337	2344	rVB4	11451	14512	1.13%	0.080%
23	16.913	2384	2396	2399	rBV6	9248	23797	1.86%	0.131%
24	17.130	2426	2433	2436	rBV6	9238	17787	1.39%	0.098%
25	17.254	2449	2454	2461	rVB	28421	42979	3.35%	0.237%
26	17.330	2461	2467	2473	rBV2	19548	29968	2.34%	0.165%
27	17.424	2479	2483	2490	rVB	26786	38819	3.03%	0.214%
28	17.606	2507	2514	2517	rBV	203944	310462	24.23%	1.710%
29	17.647	2517	2521	2528	rVB	559108	827897	64.61%	4.559%
30	17.735	2528	2536	2542	rBV	99855	148914	11.62%	0.820%
31	18.000	2573	2581	2589	rBV2	23986	50622	3.95%	0.279%
32	18.117	2597	2601	2608	rVV2	13855	19834	1.55%	0.109%
33	18.182	2608	2612	2619	rVB3	15244	23016	1.80%	0.127%
34	18.476	2656	2662	2666	rBV	73871	114906	8.97%	0.633%

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35	18.523	2666	2670	2676	rVB	102383	141844	11.07%	0.781%
36	18.599	2678	2683	2688	rBV	29646	42298	3.30%	0.233%
37	18.670	2688	2695	2698	rBV2	74021	144418	11.27%	0.795%
38	18.699	2698	2700	2706	rVB	46925	63296	4.94%	0.349%
39	18.963	2739	2745	2748	rBV	59009	80688	6.30%	0.444%
40	19.004	2748	2752	2759	rVB	46327	68059	5.31%	0.375%
41	19.204	2778	2786	2790	rBV5	18537	28925	2.26%	0.159%
42	19.251	2790	2794	2798	rVV	17135	23298	1.82%	0.128%
43	19.292	2798	2801	2806	rVB	14359	18495	1.44%	0.102%
44	19.374	2808	2815	2820	rBV	42184	72986	5.70%	0.402%
45	19.433	2820	2825	2828	rVV4	18609	39988	3.12%	0.220%
46	19.463	2828	2830	2834	rVV	15203	19407	1.51%	0.107%
47	19.515	2834	2839	2846	rVB	52663	84525	6.60%	0.465%
48	19.639	2854	2860	2866	rBV	917920	1281317	100.00%	7.056%
49	19.692	2866	2869	2872	rVV2	12976	17670	1.38%	0.097%
50	19.727	2872	2875	2881	rVB2	22941	31542	2.46%	0.174%
51	19.821	2887	2891	2895	rBV4	15667	22844	1.78%	0.126%
52	19.880	2895	2901	2905	rVV2	31075	54788	4.28%	0.302%
53	19.962	2909	2915	2917	rVV	111152	167682	13.09%	0.923%
54	19.997	2917	2921	2928	rVV	722626	1044780	81.54%	5.754%
55	20.062	2928	2932	2938	rVB2	35459	53942	4.21%	0.297%
56	20.185	2943	2953	2958	rBV	766378	990922	77.34%	5.457%
57	20.232	2958	2961	2966	rVB	27315	39408	3.08%	0.217%
58	20.320	2968	2976	2981	rBV3	48588	121193	9.46%	0.667%
59	20.449	2992	2998	3000	rBV3	31009	62845	4.90%	0.346%
60	20.479	3000	3003	3008	rVB2	53215	78616	6.14%	0.433%
61	20.579	3016	3020	3023	rBV	17539	21324	1.66%	0.117%
62	20.637	3023	3030	3035	rVV2	57120	106034	8.28%	0.584%
63	20.714	3040	3043	3049	rVB4	12765	19165	1.50%	0.106%
64	20.778	3050	3054	3058	rVV2	36330	48234	3.76%	0.266%
65	20.825	3058	3062	3072	rVV3	34750	70685	5.52%	0.389%
66	20.925	3074	3079	3089	rVB3	40718	72791	5.68%	0.401%
67	21.254	3130	3135	3142	rVB	81024	128075	10.00%	0.705%
68	21.448	3158	3168	3171	rBV2	58250	137914	10.76%	0.759%
69	21.489	3171	3175	3180	rVV2	79123	137343	10.72%	0.756%
70	21.542	3180	3184	3189	rVV2	63279	117931	9.20%	0.649%
71	21.595	3189	3193	3202	rVB2	69249	127608	9.96%	0.703%

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72	21.736	3215	3217	3224	rVB3	13199	17959	1.40%	0.099%
73	21.824	3227	3232	3233	rBV	14675	21909	1.71%	0.121%
74	21.865	3233	3239	3246	rVV2	395396	1015864	79.28%	5.594%
75	21.930	3246	3250	3263	rVB	288788	538034	41.99%	2.963%
76	22.094	3273	3278	3284	rBV	27223	49519	3.86%	0.273%
77	22.171	3286	3291	3293	rBV4	7974	15607	1.22%	0.086%
78	22.306	3308	3314	3320	rBV2	34020	68605	5.35%	0.378%
79	22.370	3321	3325	3330	rVB6	11026	18818	1.47%	0.104%
80	22.641	3362	3371	3377	rBV	43997	98145	7.66%	0.540%
81	22.717	3379	3384	3390	rVB3	33373	65882	5.14%	0.363%
82	22.817	3393	3401	3404	rBV5	14264	31080	2.43%	0.171%
83	22.928	3414	3420	3423	rBV3	18307	34111	2.66%	0.188%
84	23.069	3437	3444	3451	rVB4	17838	49982	3.90%	0.275%
85	23.398	3495	3500	3512	rVB6	29026	80310	6.27%	0.442%
86	23.545	3519	3525	3527	rBV6	8589	17610	1.37%	0.097%
87	23.616	3533	3537	3543	rVB4	15020	29496	2.30%	0.162%
88	23.757	3556	3561	3564	rBV3	12734	28622	2.23%	0.158%
89	24.180	3623	3633	3641	rBV3	190329	681511	53.19%	3.753%
90	24.444	3672	3678	3685	rVB2	33611	73389	5.73%	0.404%
91	24.661	3710	3715	3719	rBV5	12097	26355	2.06%	0.145%
92	24.938	3753	3762	3776	rVB2	102984	331233	25.85%	1.824%
93	25.096	3779	3789	3804	rVB	156545	457311	35.69%	2.518%
94	25.255	3806	3816	3823	rVV2	112518	337136	26.31%	1.857%
95	25.331	3824	3829	3839	rVB3	39698	113578	8.86%	0.625%
96	26.060	3951	3953	3962	rVB6	8344	17149	1.34%	0.094%
97	29.108	4459	4472	4494	rVB2	66939	357034	27.86%	1.966%
98	29.614	4548	4558	4569	rBV5	13288	52400	4.09%	0.289%
99	29.772	4577	4585	4597	rVB6	11047	41929	3.27%	0.231%
100	30.313	4662	4677	4696	rBV	47916	226947	17.71%	1.250%

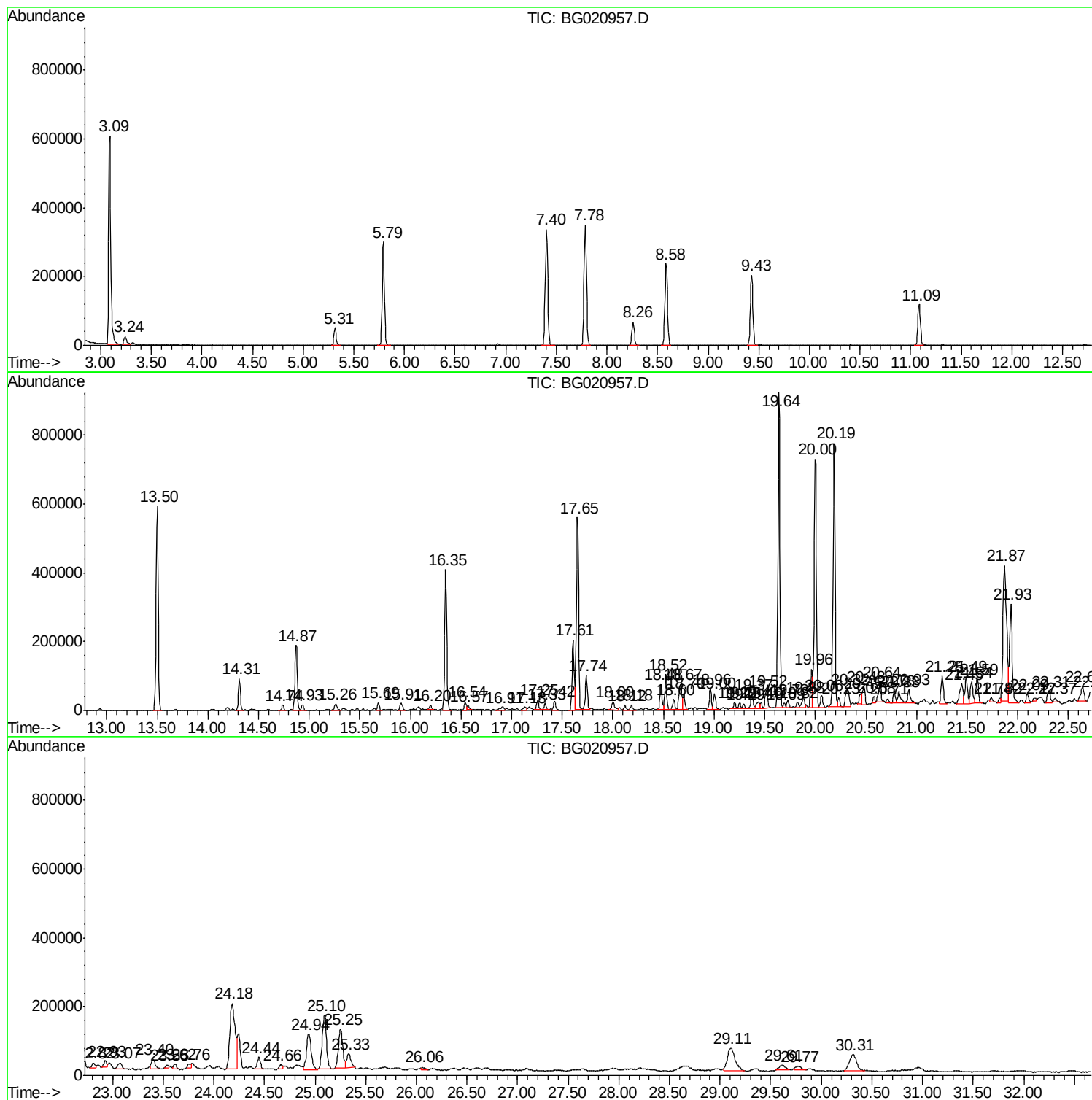
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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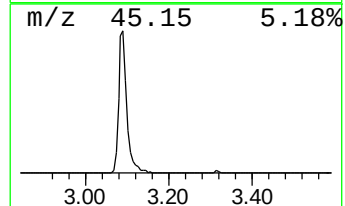
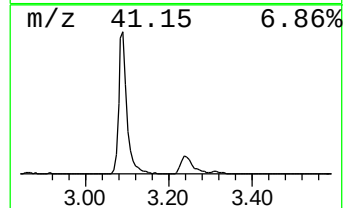
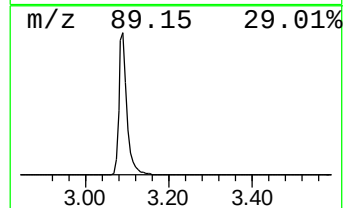
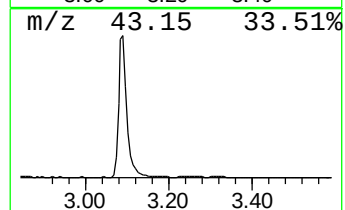
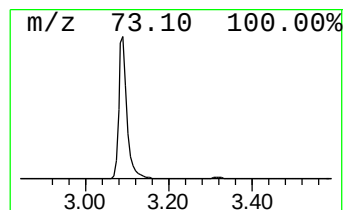
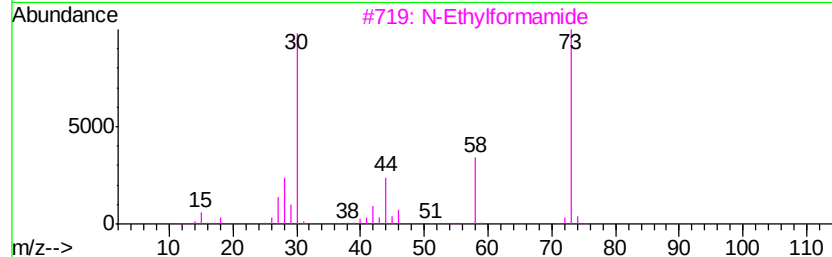
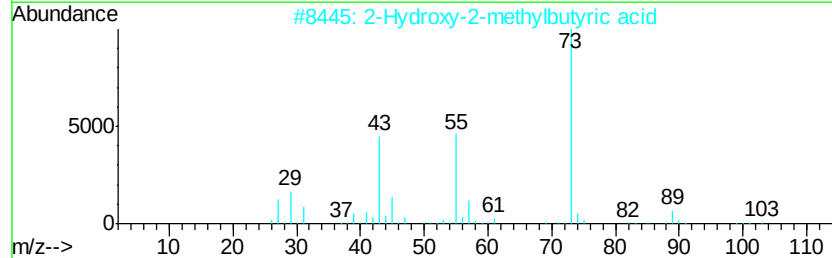
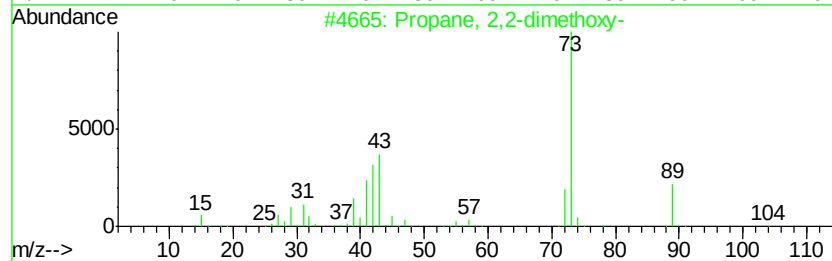
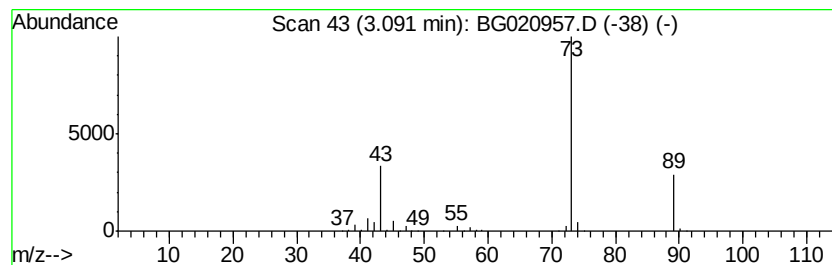
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown3.09 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.09	150.02 ng	846081	1,4-Dichlorobenzene-d4	8.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	45
2		2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	28
3		N-Ethylformamide	73	C3H7NO	000627-45-2	7
4		Methane, isothiocyanato-	73	C2H3NS	000556-61-6	7
5		1,3,5-Trioxane	90	C3H6O3	000110-88-3	4



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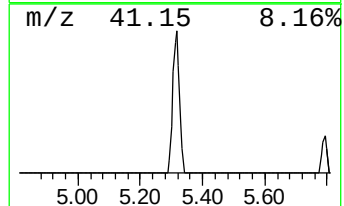
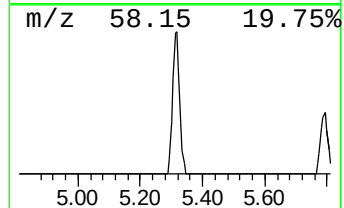
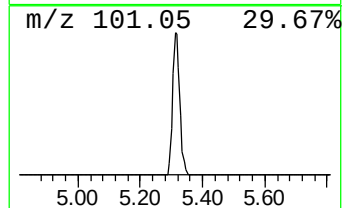
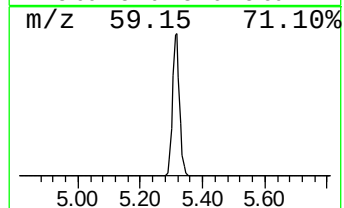
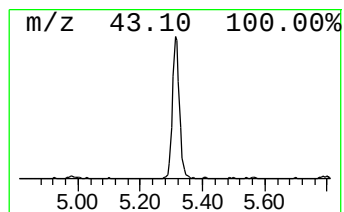
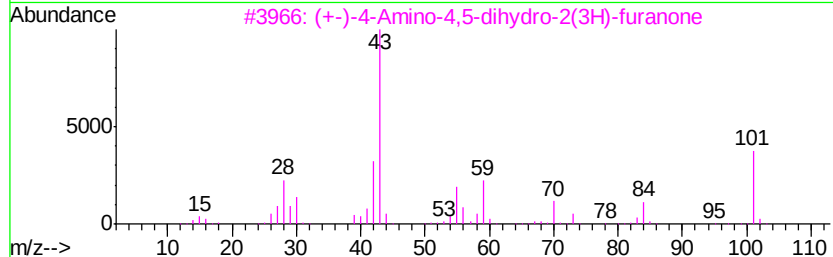
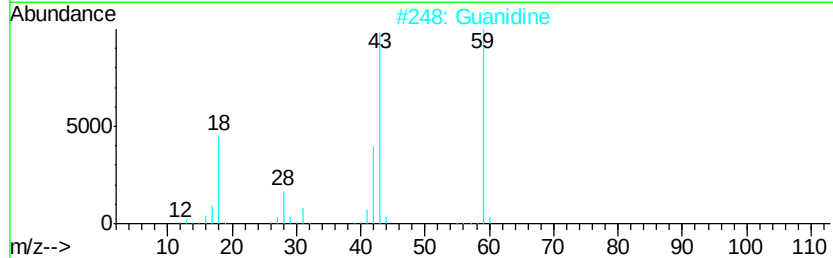
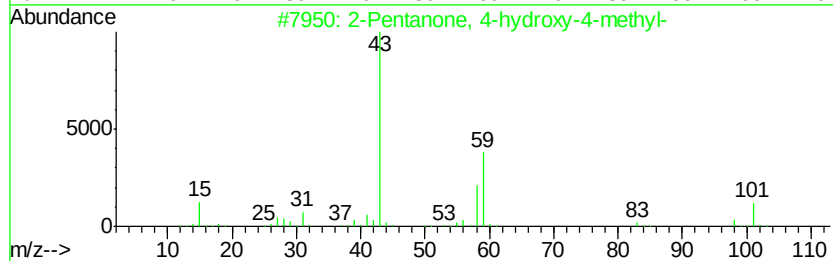
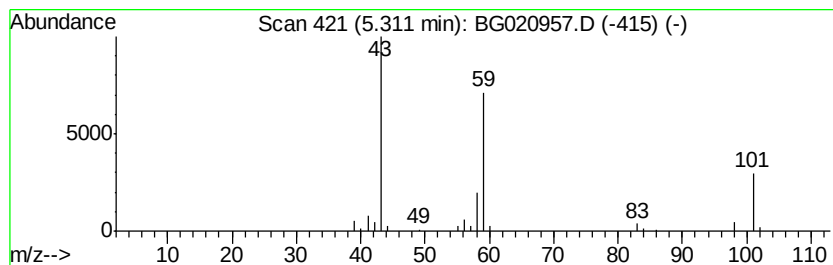
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 3 unknown5.31 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.31	14.21 ng	80165	1,4-Dichlorobenzene-d4	8.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
2		Guanidine	59	CH5N3	000113-00-8	38
3		(+)-4-Amino-4,5-dihydro-2(3H)-furanone	101	C4H7NO2	016504-58-8	37
4		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	25
5		Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	16



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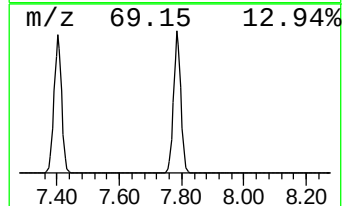
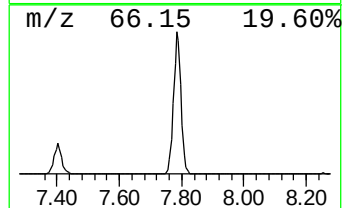
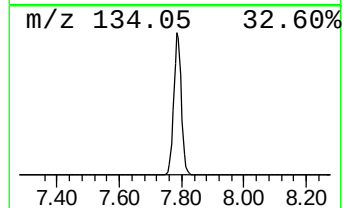
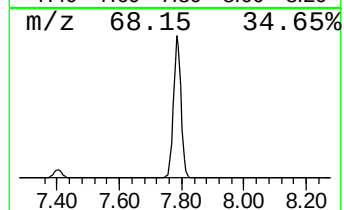
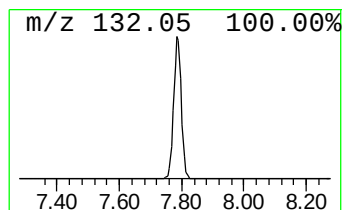
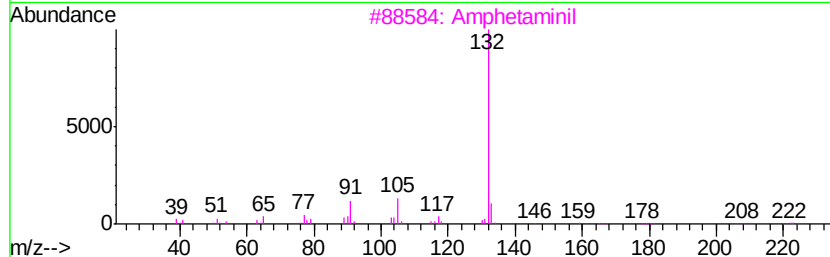
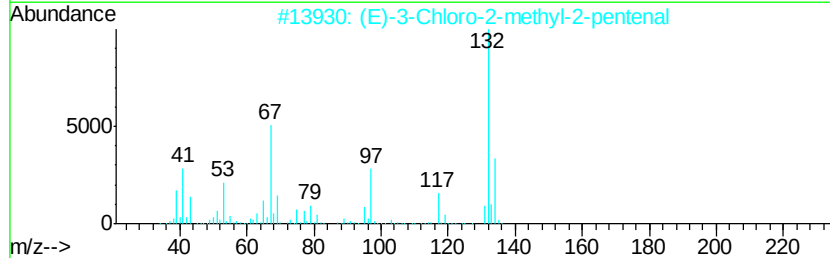
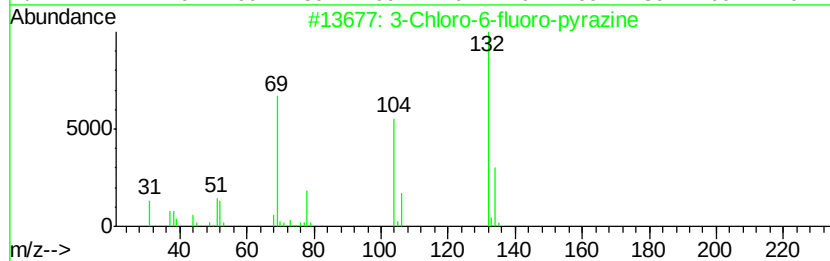
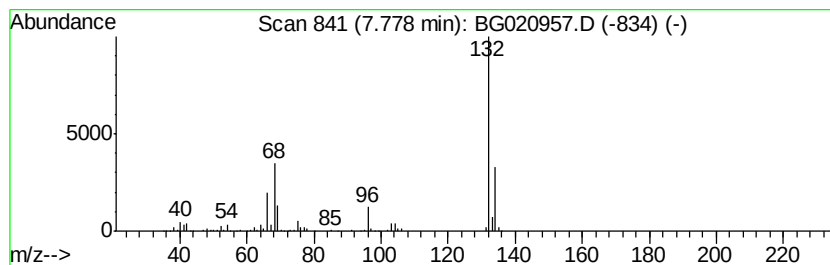
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Peak Number 4 unknown7.78 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.78	105.00 ng	592166	1,4-Dichlorobenzene-d4	8.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3		Amphetaminil	250	C17H18N2	017590-01-1	12
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



Data Path : Z:\HPCHEM1\BNA G\DATA\BG021816\
Data File : BG020957.D
Acq On : 19 Feb 2016 4:59
Operator : SJ/UM
Sample : H1397-04
Misc :
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Instrument :
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ClientSampleId :
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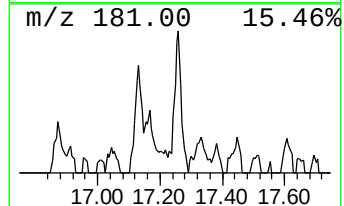
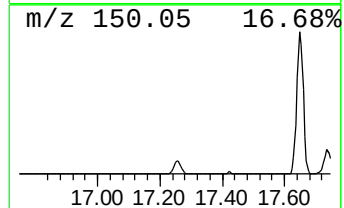
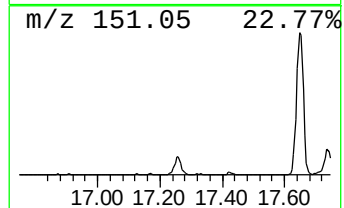
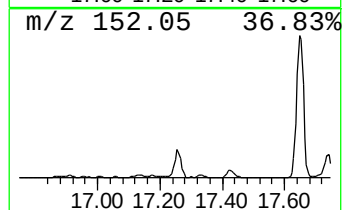
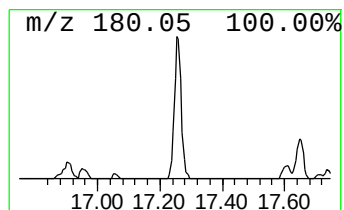
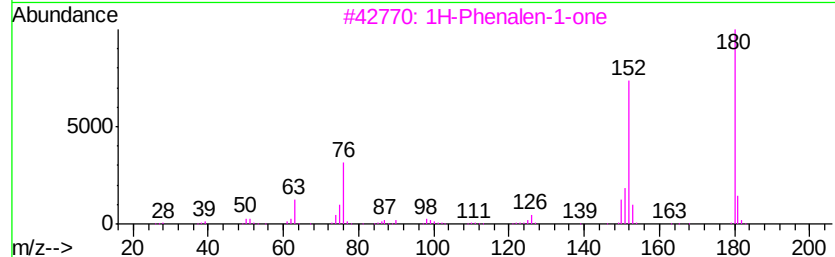
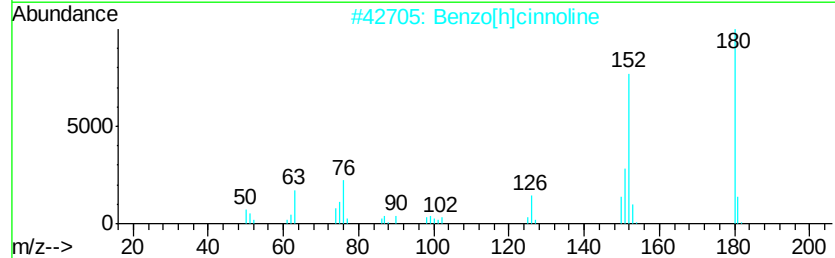
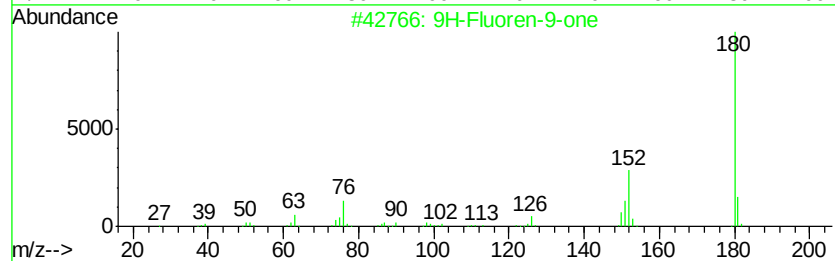
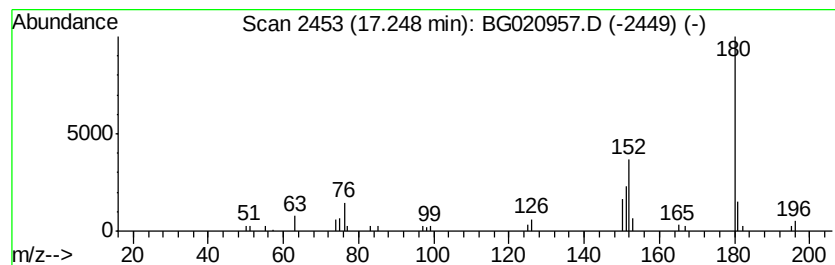
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 9H-Fluoren-9-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.25	2.77 ng	42979	Phenanthrene-d10	17.61

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95	
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	78	
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64	
4	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	59	
5	(E)-Stilbene	180	C14H12	000103-30-0	46	



Data Path : Z:\HPCHEM1\BNA G\DATA\BG021816\
Data File : BG020957.D
Acq On : 19 Feb 2016 4:59
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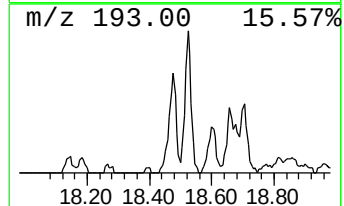
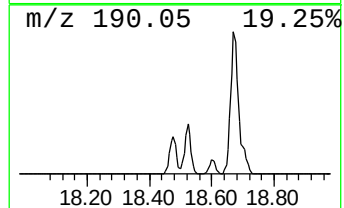
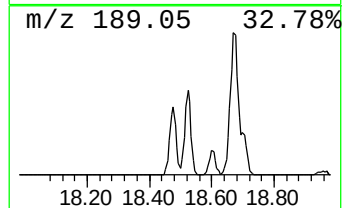
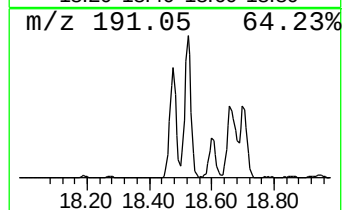
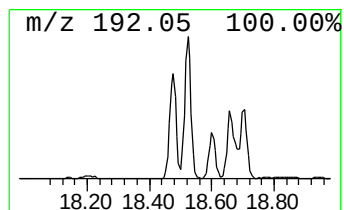
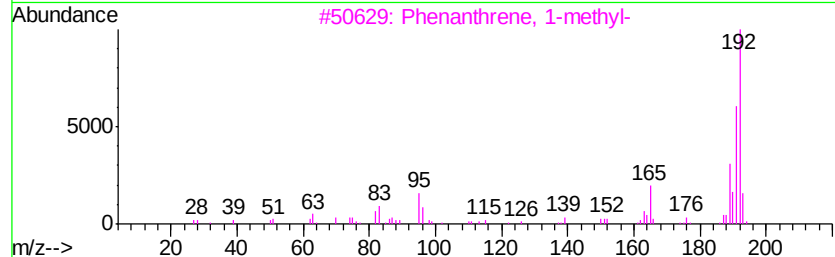
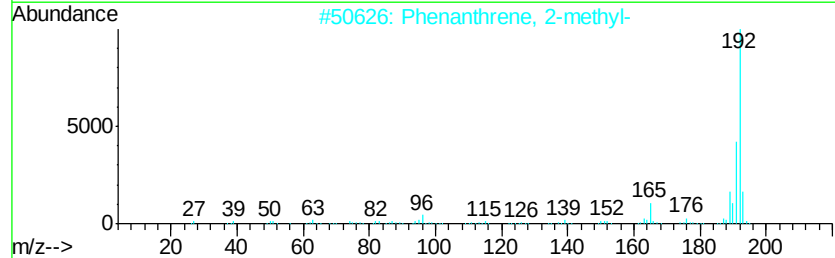
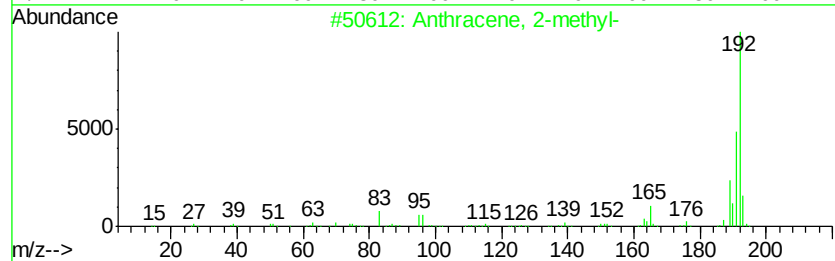
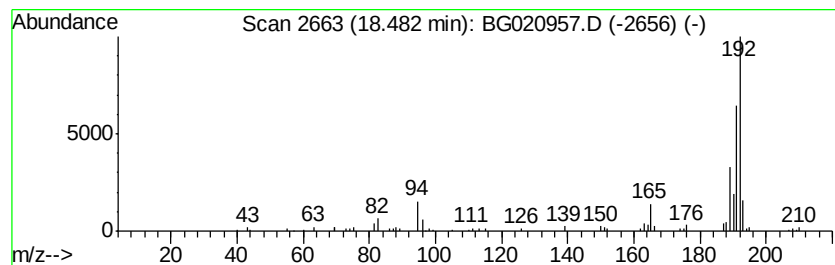
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	7.40 ng	114906	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : Z:\HPCHEM1\BNA G\DATA\BG021816\
Data File : BG020957.D
Acq On : 19 Feb 2016 4:59
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Sample : H1397-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

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ClientSampleId :
TEC-COMP1

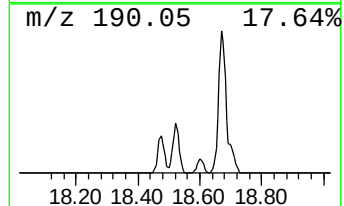
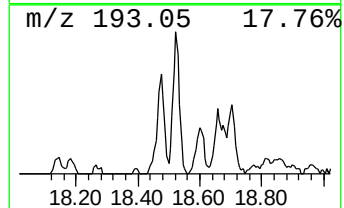
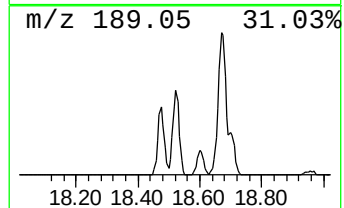
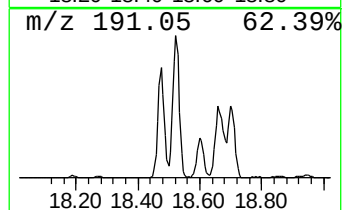
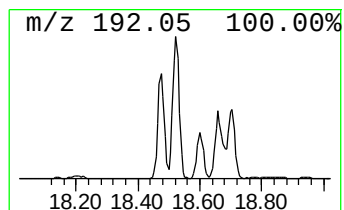
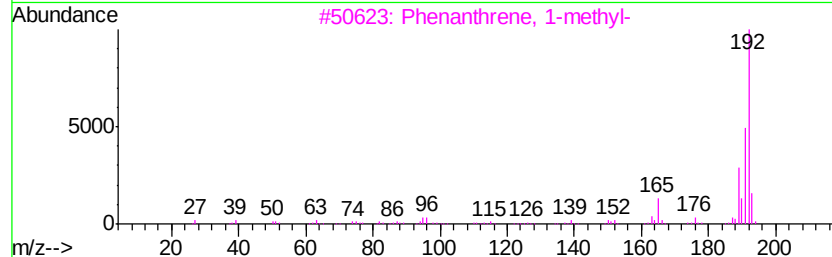
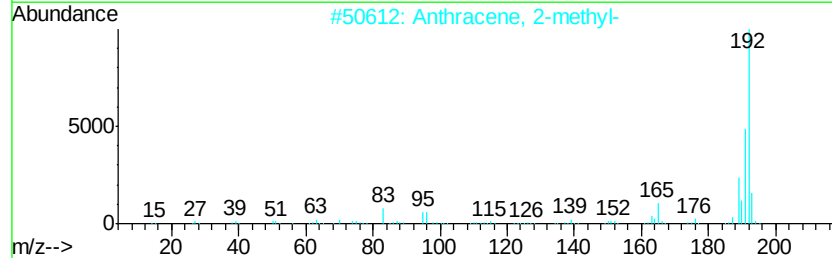
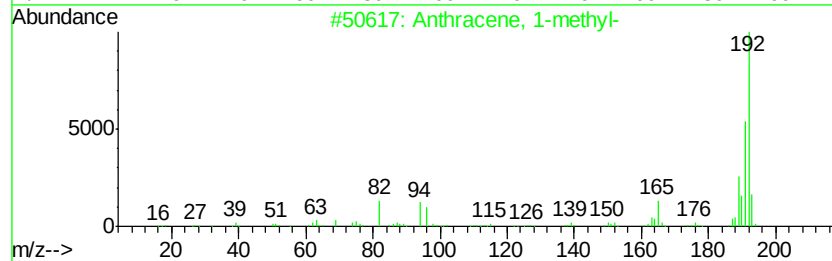
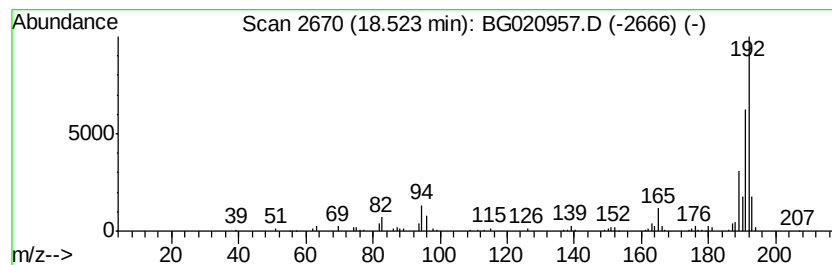
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Anthracene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	9.14 ng	141844	Phenanthrene-d10	17.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94



Data Path : Z:\HPCHEM1\BNA G\DATA\BG021816\
Data File : BG020957.D
Acq On : 19 Feb 2016 4:59
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Misc :
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ClientSampleId :
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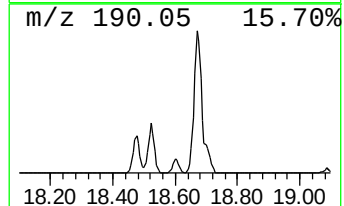
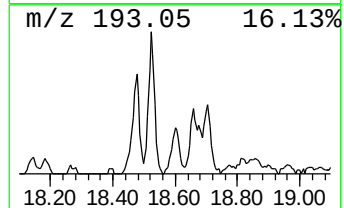
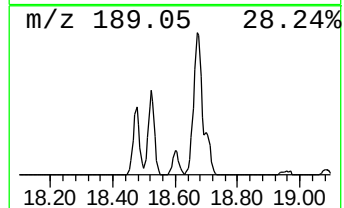
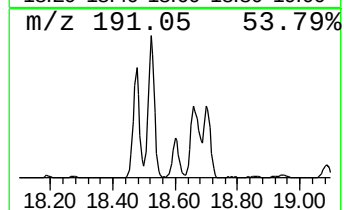
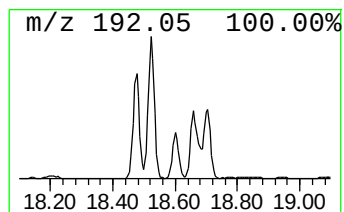
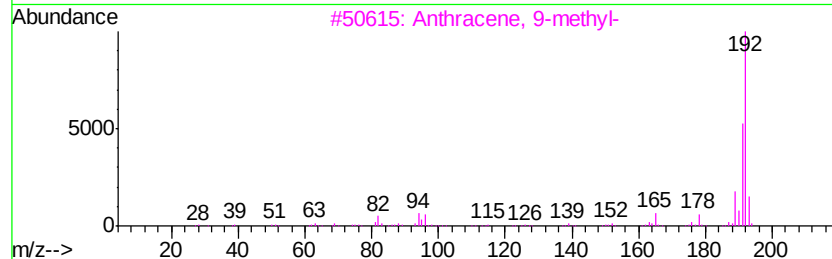
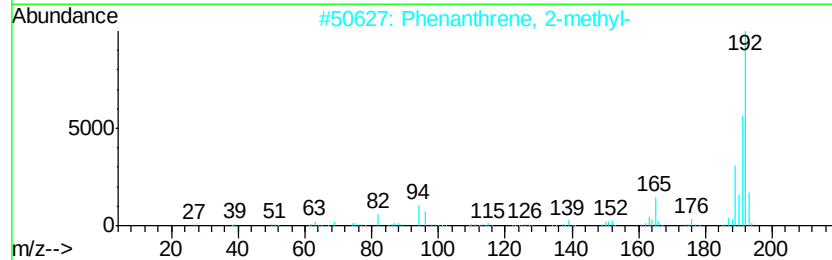
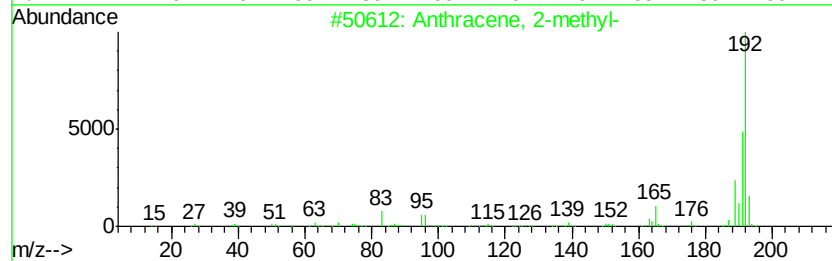
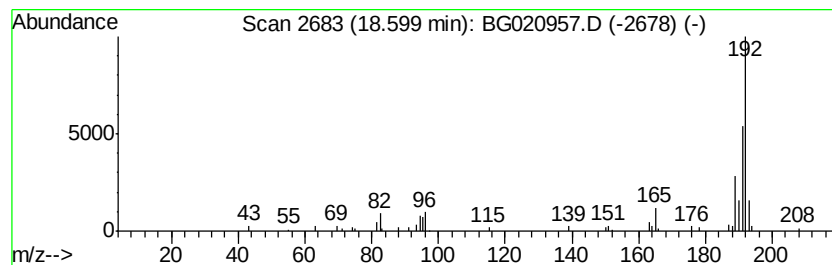
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	2.72 ng	42298	Phenanthrene-d10	17.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	91



Data Path : Z:\HPCHEM1\BNA G\DATA\BG021816\
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Sample : H1397-04
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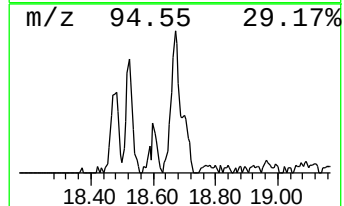
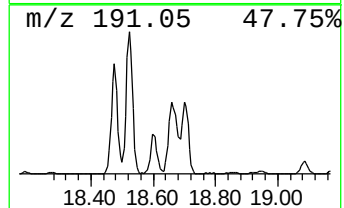
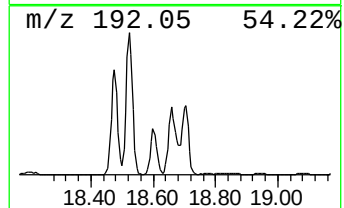
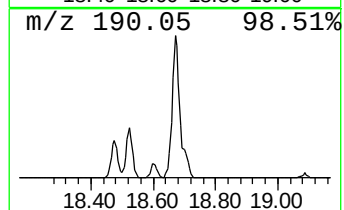
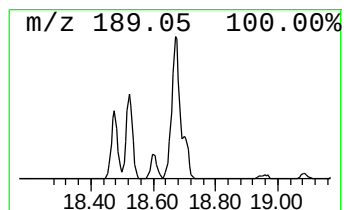
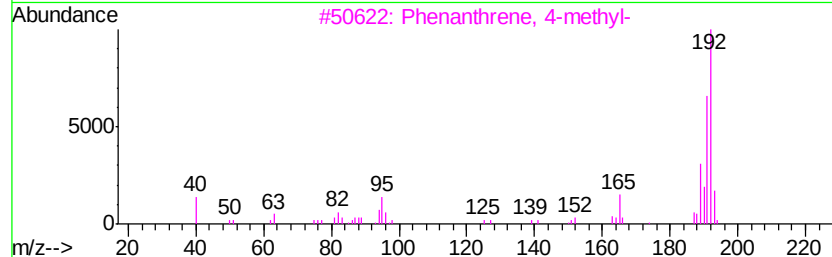
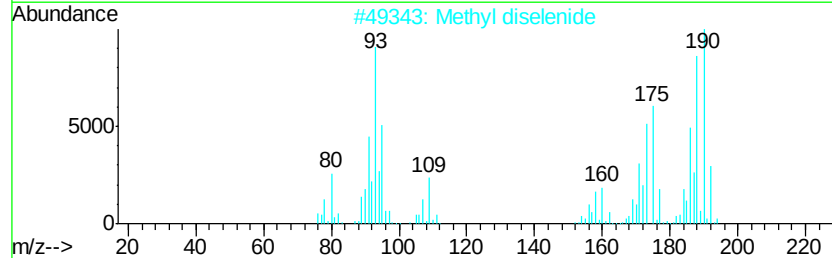
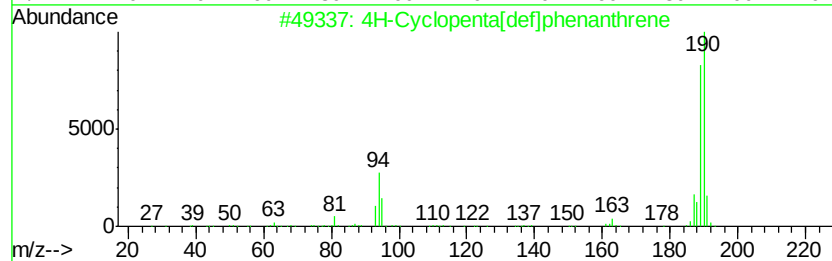
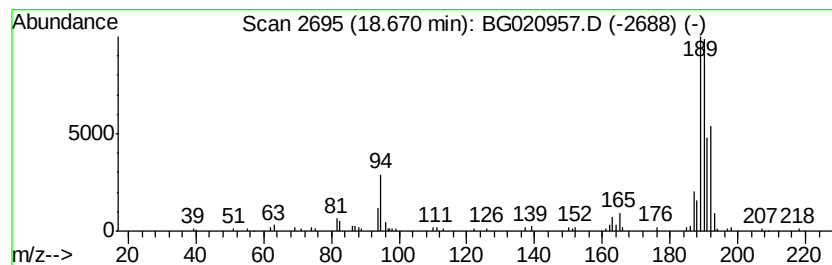
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.67	9.30 ng	144418	Phenanthrene-d10	17.61	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Methyl diselenide	190	C2H6Se2	007101-31-7	38
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	18



Data Path : Z:\HPCHEM1\BNA G\DATA\BG021816\
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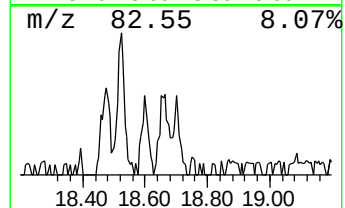
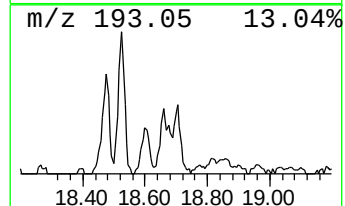
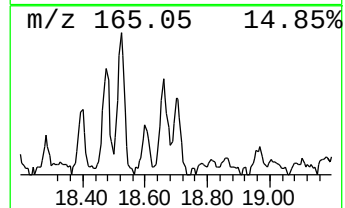
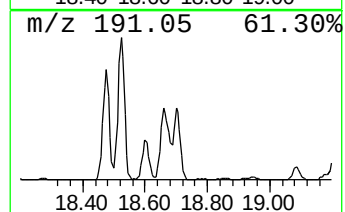
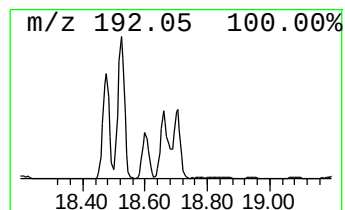
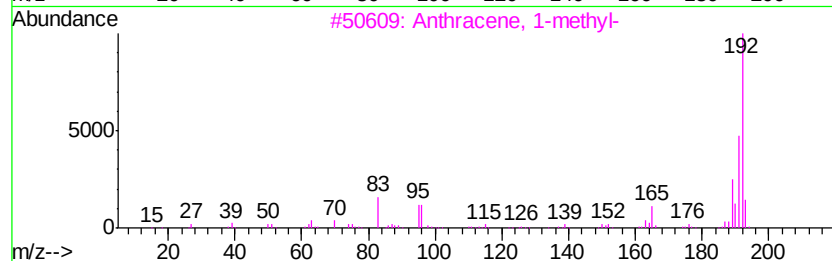
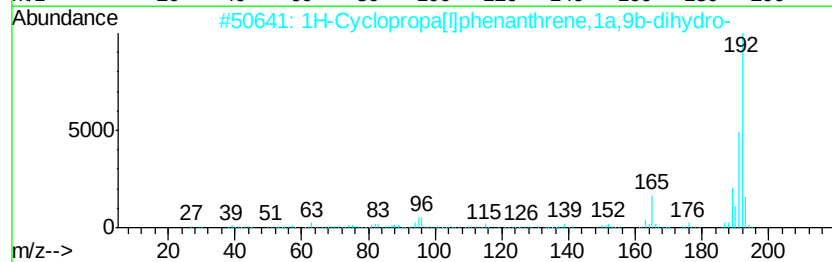
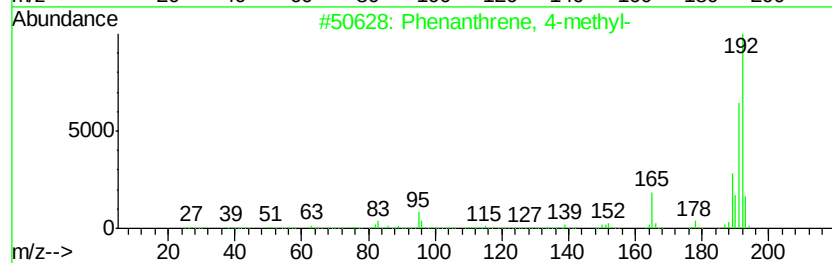
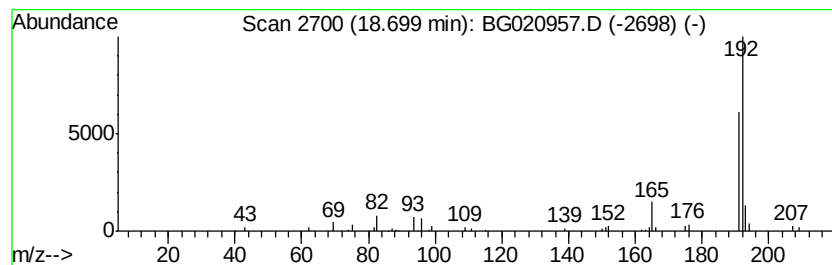
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	4.08 ng	63296	Phenanthrene-d10	17.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	90
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
5		1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	86



Data Path : Z:\HPCHEM1\BNA G\DATA\BG021816\
Data File : BG020957.D
Acq On : 19 Feb 2016 4:59
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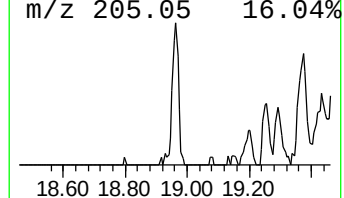
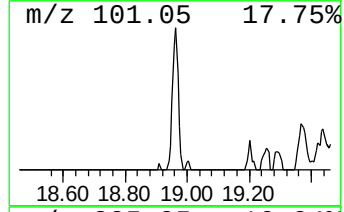
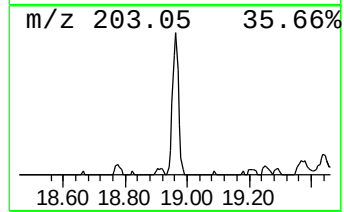
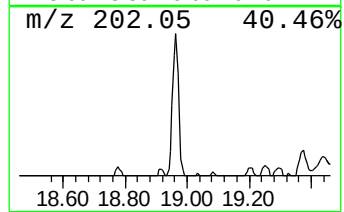
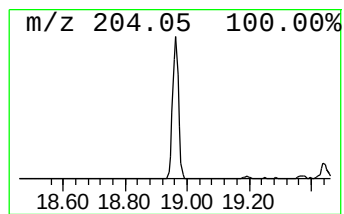
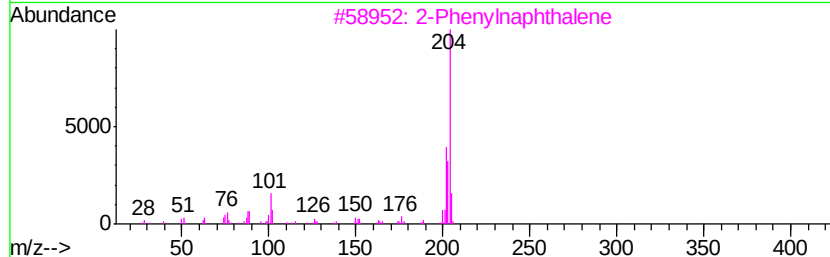
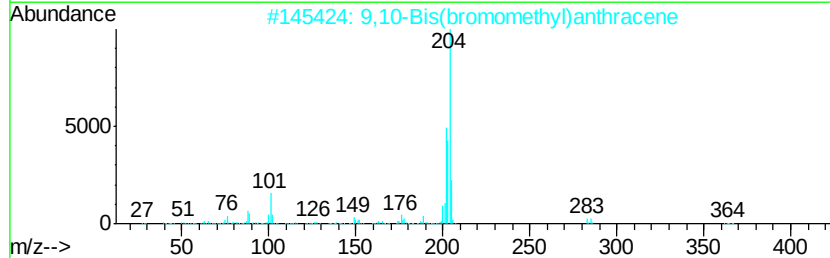
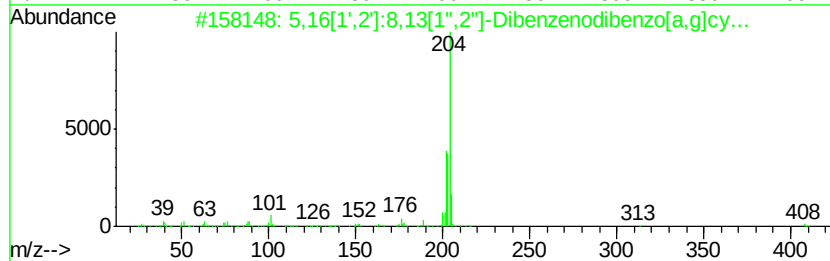
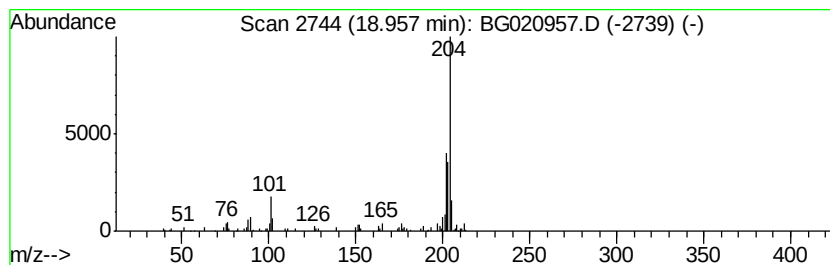
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	5.20 ng	80688	Phenanthrene-d10	17.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	87
3		2-Phenyl-naphthalene	204	C16H12	035465-71-5	83
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64



Data Path : Z:\HPCHEM1\BNA G\DATA\BG021816\
Data File : BG020957.D
Acq On : 19 Feb 2016 4:59
Operator : SJ/UM
Sample : H1397-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

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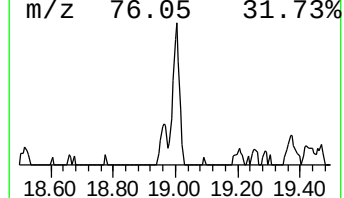
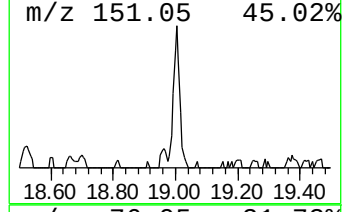
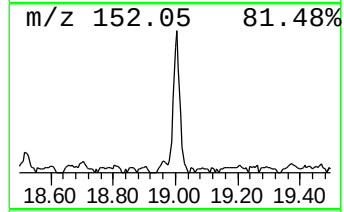
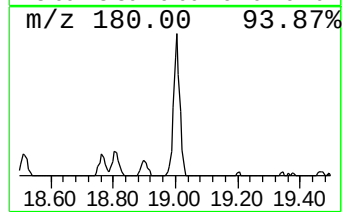
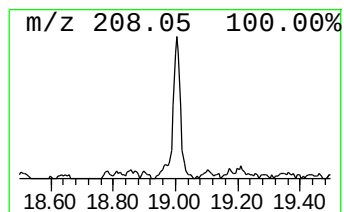
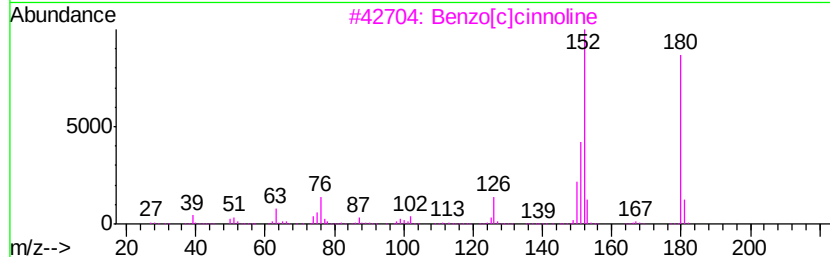
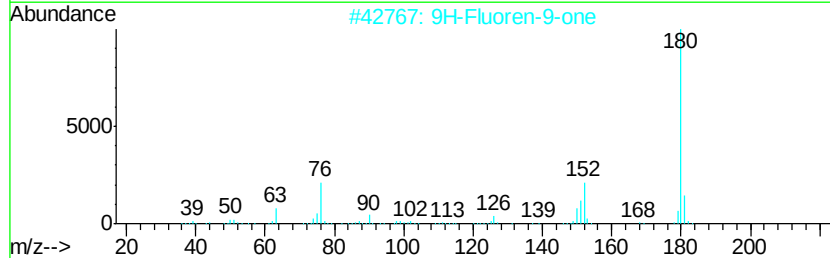
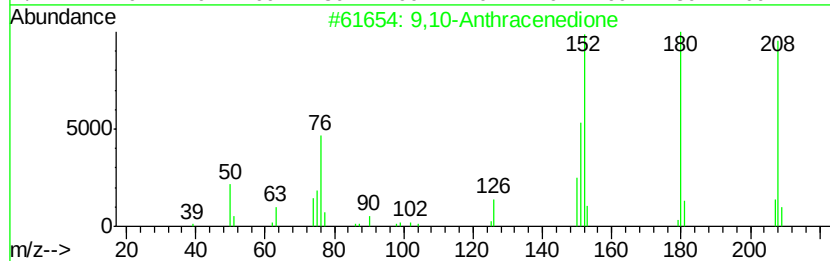
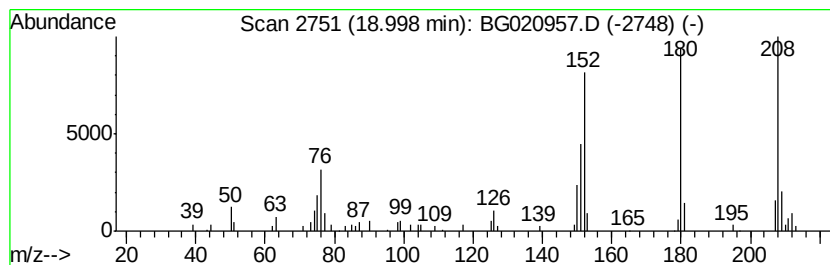
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.00	4.38 ng	68059	Phenanthrene-d10	17.61

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2			9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
3			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
4			1,4-Anthracenedione	208	C14H8O2	000635-12-1	64
5			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53



Data Path : Z:\HPCHEM1\BNA G\DATA\BG021816\
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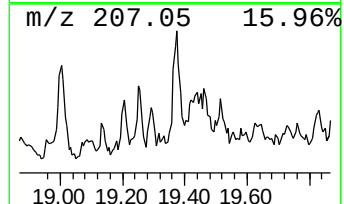
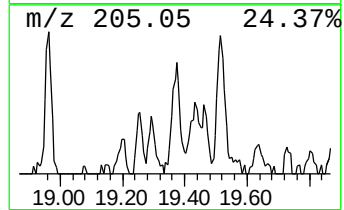
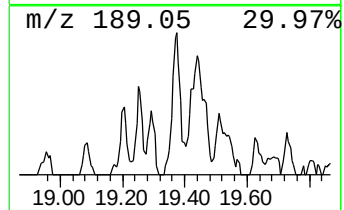
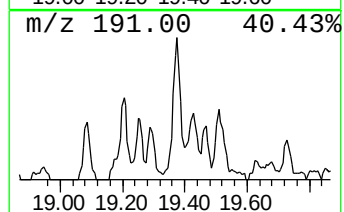
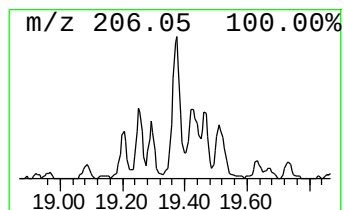
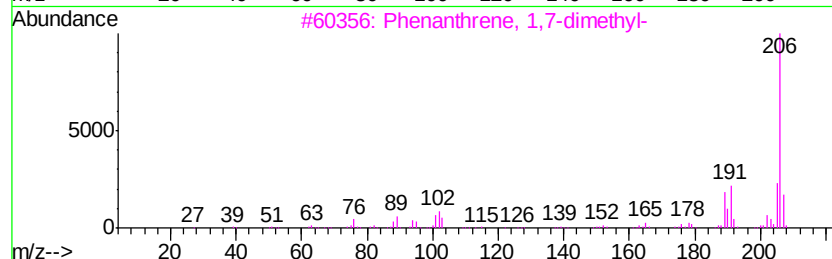
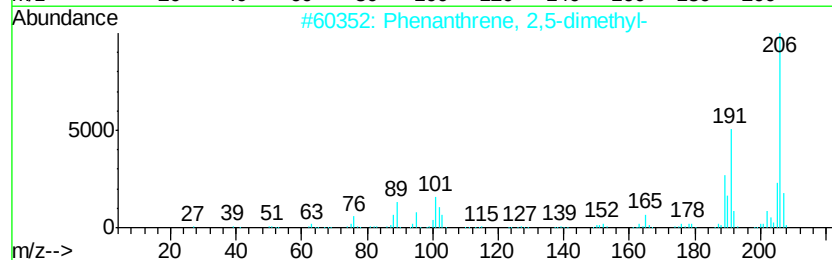
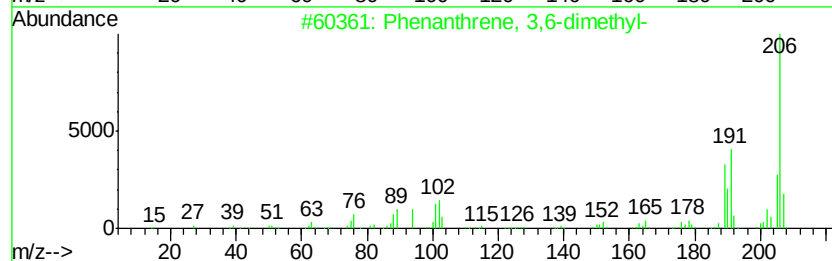
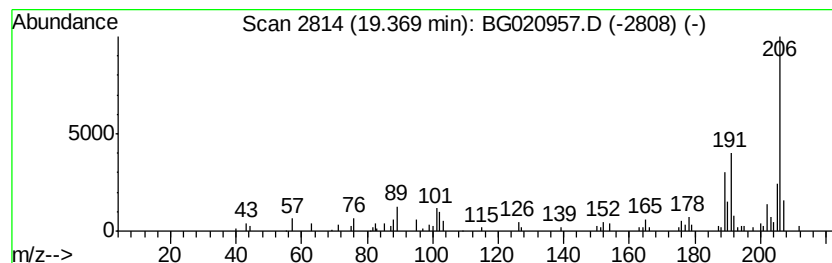
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.37	4.70 ng	72986	Phenanthrene-d10	17.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	93
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93



Data Path : Z:\HPCHEM1\BNA G\DATA\BG021816\
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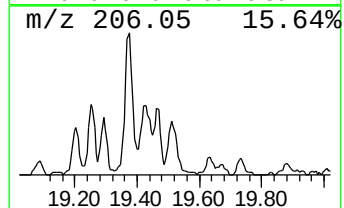
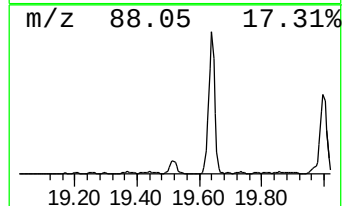
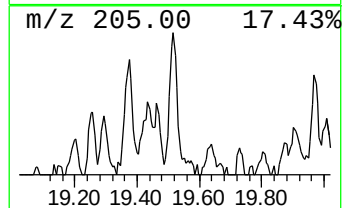
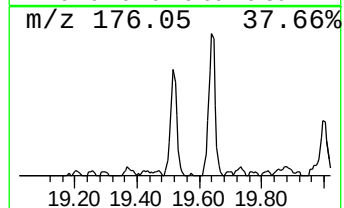
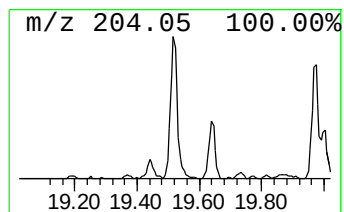
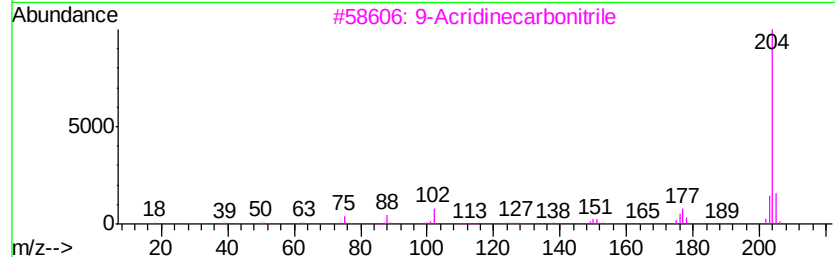
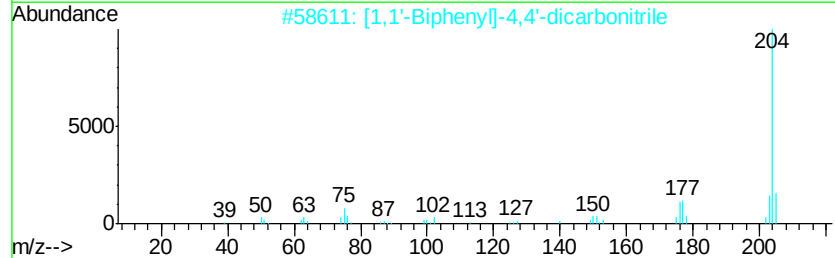
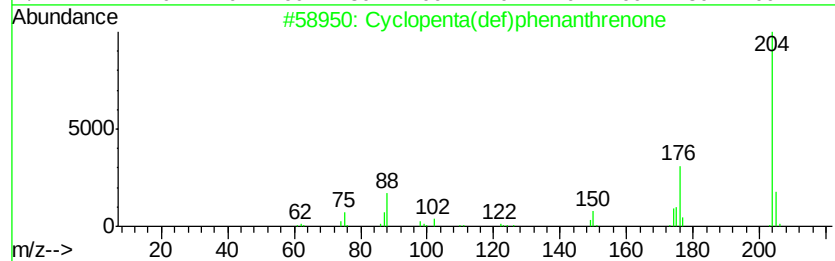
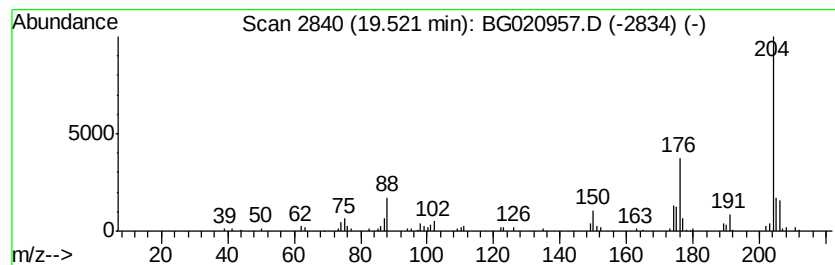
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.52	5.45 ng	84525	Phenanthrene-d10	17.61	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	47
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43



Data Path : Z:\HPCHEM1\BNA G\DATA\BG021816\
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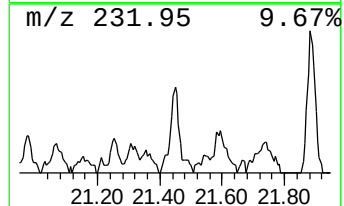
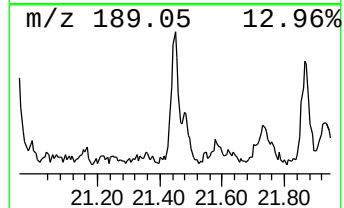
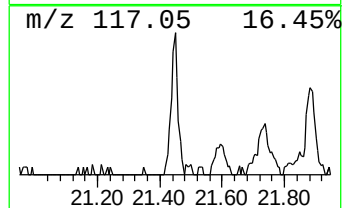
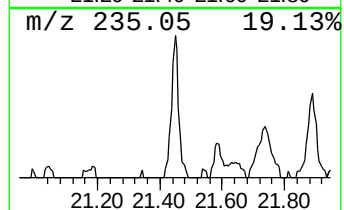
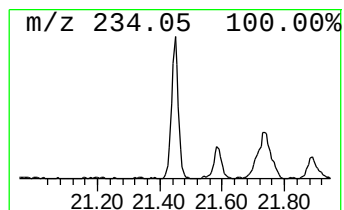
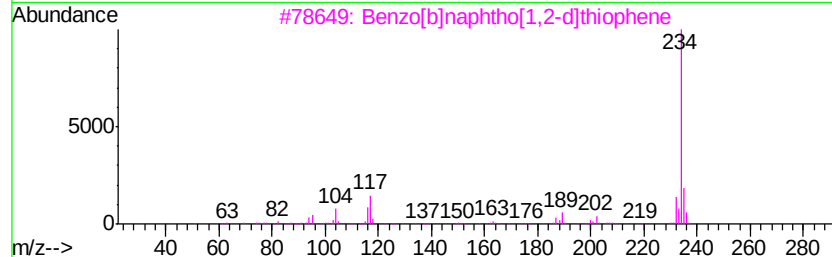
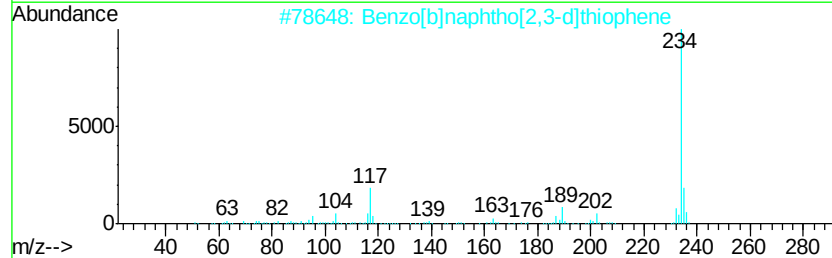
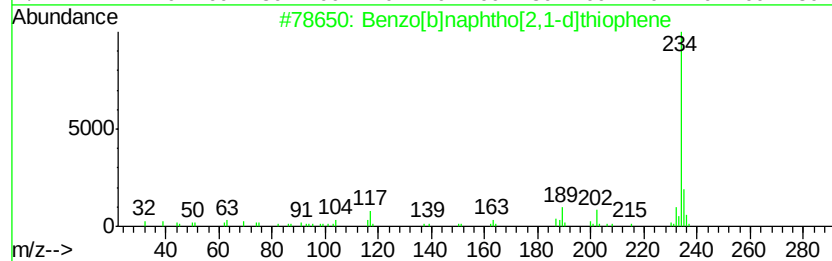
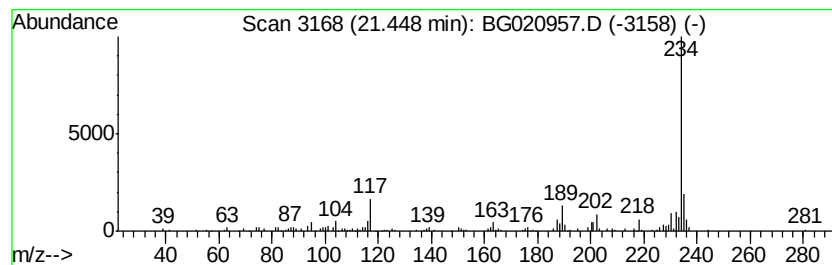
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.45	2.72 ng	137914	Chrysene-d12	21.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	96
3		Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	91
4		Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	59
5		Thiazol-2-amine, 4-(1-adamantyl)-	234	C13H18N2S	019735-74-1	53



Data Path : Z:\HPCHEM1\BNA G\DATA\BG021816\
Data File : BG020957.D
Acq On : 19 Feb 2016 4:59
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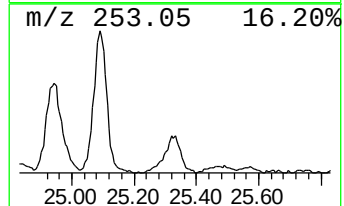
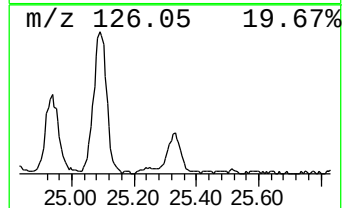
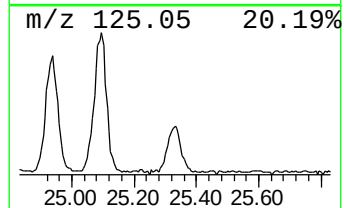
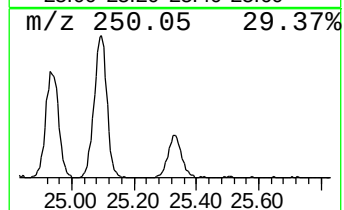
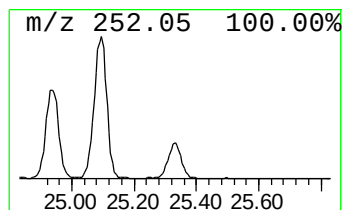
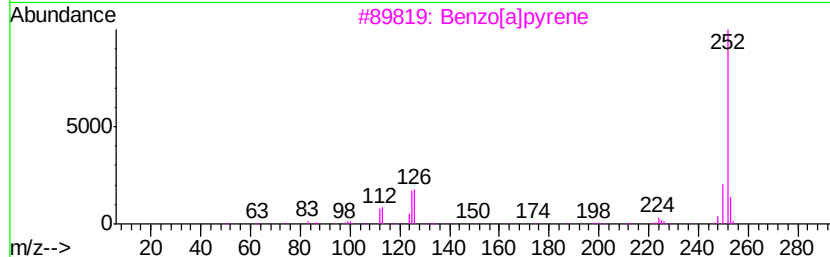
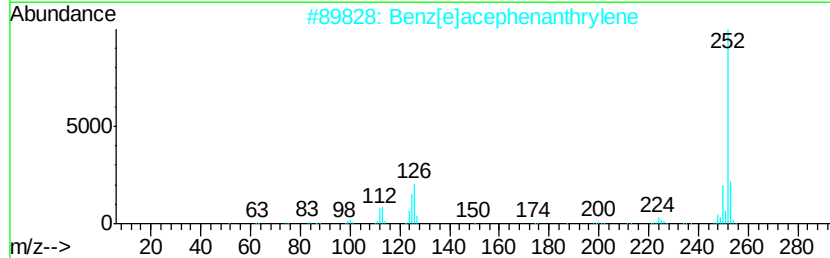
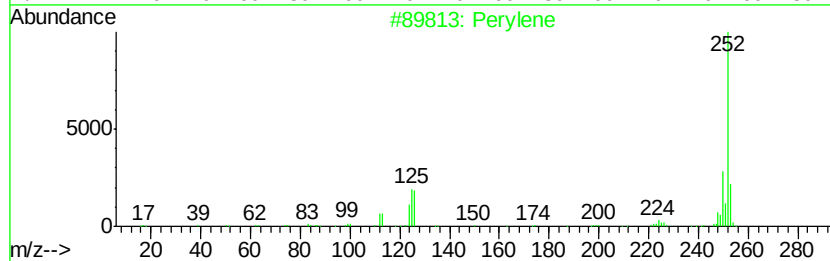
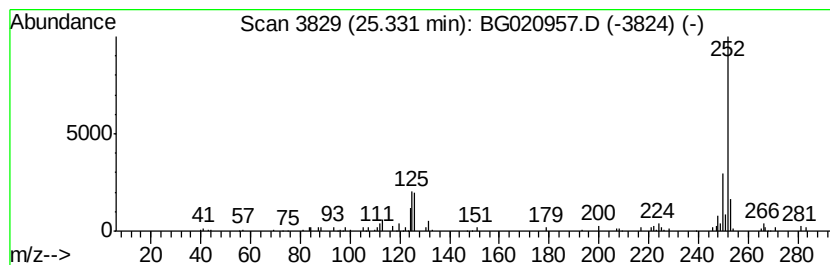
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benz[e]acephenanthrylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.33	6.74 ng	113578	Perylene-d12	25.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	90
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81
3	Benzo[a]pyrene	252	C20H12	000050-32-8	74
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	68
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	68



Data Path : Z:\HPCHEM1\BNA G\DATA\BG021816\
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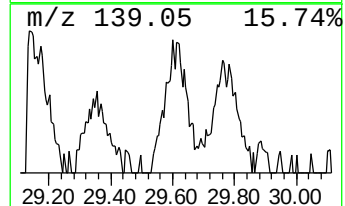
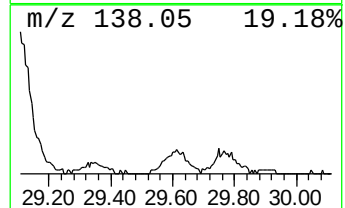
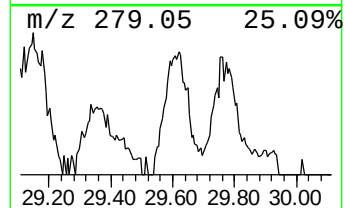
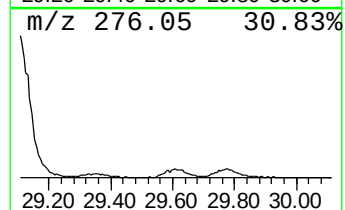
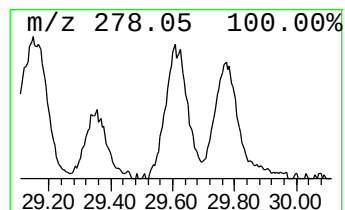
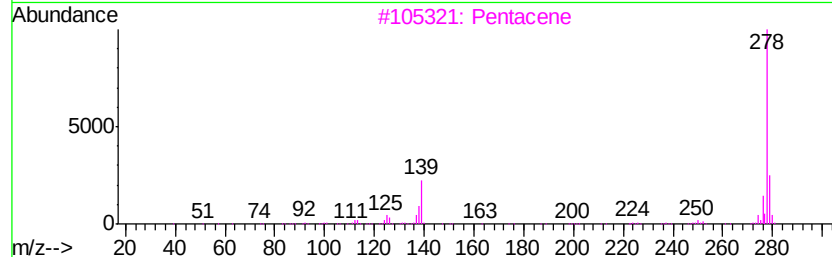
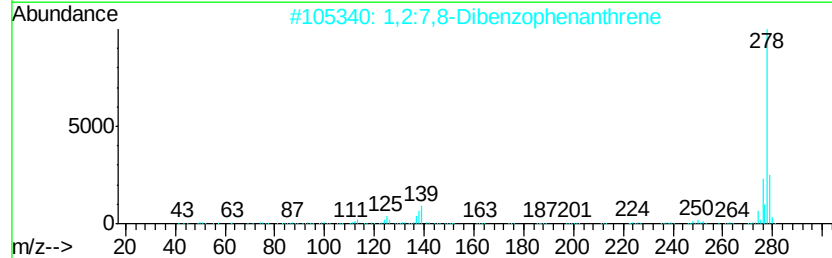
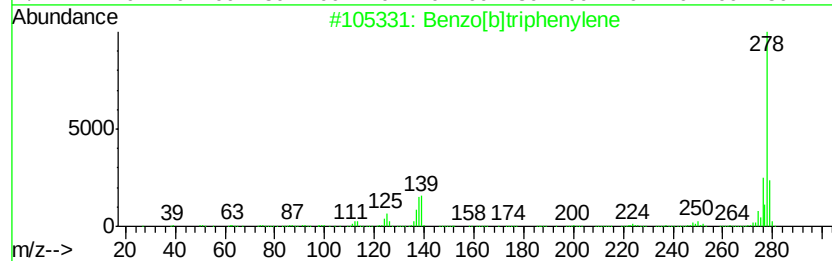
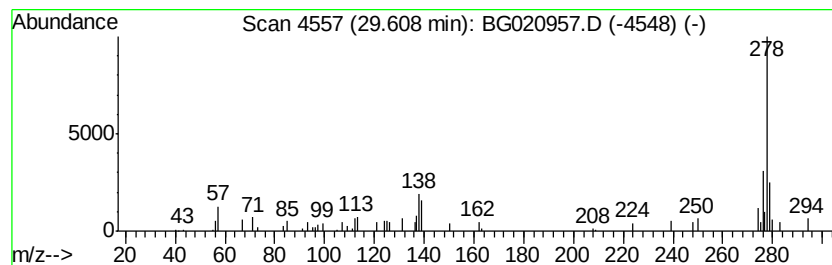
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[b]triphenylene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
29.61	3.11 ng	52400	Perylene-d12	25.25	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	89
2	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	76
3	Pentacene	278	C22H14	000135-48-8	64
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	58
5	Dibenzo-1,2,7,8-anthracene	278	C22H14	000224-41-9	53



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021816\
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Instrument :
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 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.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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unknown5.31	5.31	14.2	ng	80165	1	8.26	112799	20.0
unknown7.78	7.78	105.0	ng	592166	1	8.26	112799	20.0
9H-Fluoren-9-one	17.25	2.8	ng	42979	4	17.61	310462	20.0
Anthracene, 2-met...	18.48	7.4	ng	114906	4	17.61	310462	20.0
Anthracene, 1-met...	18.52	9.1	ng	141844	4	17.61	310462	20.0
Phenanthrene, 2-m...	18.60	2.7	ng	42298	4	17.61	310462	20.0
4H-Cyclopenta[def...	18.67	9.3	ng	144418	4	17.61	310462	20.0
Phenanthrene, 4-m...	18.70	4.1	ng	63296	4	17.61	310462	20.0
5,16[1',2']:8,13[...	18.96	5.2	ng	80688	4	17.61	310462	20.0
9,10-Anthracenedione	19.00	4.4	ng	68059	4	17.61	310462	20.0
Phenanthrene, 3,6...	19.37	4.7	ng	72986	4	17.61	310462	20.0
Cyclopenta(def)ph...	19.52	5.5	ng	84525	4	17.61	310462	20.0
Benzo[b]naphtho[2...	21.45	2.7	ng	137914	5	21.88	1015860	20.0
Benz[e]acephenant...	25.33	6.7	ng	113578	6	25.25	337136	20.0
Benzo[b]triphenylene	29.61	3.1	ng	52400	6	25.25	337136	20.0