

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
 Data File : BG022266.D
 Acq On : 9 Jun 2016 13:13
 Operator : UM/SJ
 Sample : H3402-11 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SS-45

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-BG060616.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.985	19	25	39	rVB	468833	758877	61.31%	4.406%
2	3.766	154	158	164	rBV	7726	14889	1.20%	0.086%
3	5.182	394	399	407	rBV2	11156	21542	1.74%	0.125%
4	5.664	475	481	497	rBV	189103	372505	30.09%	2.163%
5	7.279	748	756	773	rBV	221328	439739	35.52%	2.553%
6	7.650	810	819	828	rBV	243846	476566	38.50%	2.767%
7	8.120	891	899	908	rBV	120502	236230	19.08%	1.371%
8	8.443	946	954	965	rBV	191650	377671	30.51%	2.193%
9	9.289	1090	1098	1117	rBV	127639	273717	22.11%	1.589%
10	10.934	1371	1378	1385	rBV	201081	411843	33.27%	2.391%
11	12.585	1652	1659	1666	rBV2	9125	17299	1.40%	0.100%
12	12.802	1689	1696	1703	rBV3	8986	17748	1.43%	0.103%
13	13.366	1785	1792	1807	rBV	490244	826526	66.77%	4.798%
14	13.925	1877	1887	1893	rVB5	5654	13871	1.12%	0.081%
15	14.072	1903	1912	1916	rBV4	10851	20714	1.67%	0.120%
16	14.189	1925	1932	1940	rBV	78307	121011	9.78%	0.703%
17	14.471	1975	1980	1987	rBV5	6379	12956	1.05%	0.075%
18	14.747	2014	2027	2033	rBV2	329238	584974	47.26%	3.396%
19	14.812	2033	2038	2045	rVB	48847	85643	6.92%	0.497%
20	15.141	2089	2094	2101	rBV	22096	41052	3.32%	0.238%
21	15.511	2152	2157	2162	rBV6	7392	15934	1.29%	0.093%
22	15.558	2162	2165	2169	rVB2	12089	15287	1.23%	0.089%
23	15.793	2198	2205	2213	rVB	47507	89313	7.22%	0.519%
24	15.952	2229	2232	2236	rVB4	10096	14104	1.14%	0.082%
25	16.081	2251	2254	2261	rVB5	12378	23513	1.90%	0.137%
26	16.234	2274	2280	2289	rBV	270333	478081	38.62%	2.776%
27	16.428	2307	2313	2316	rBV5	12241	25573	2.07%	0.148%
28	16.792	2364	2375	2380	rBV4	17095	47623	3.85%	0.276%
29	16.839	2380	2383	2389	rVB4	9298	15000	1.21%	0.087%
30	16.939	2395	2400	2405	rVB3	9772	18372	1.48%	0.107%
31	17.015	2405	2413	2416	rBV7	11644	27138	2.19%	0.158%
32	17.056	2418	2420	2427	rVV6	12174	22014	1.78%	0.128%
33	17.150	2430	2436	2440	rVV4	16997	33970	2.74%	0.197%
34	17.215	2442	2447	2454	rVV7	23621	54744	4.42%	0.318%

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Stop Thrs : 0

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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

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35	17.309	2458	2463	2472	rVB	29926	54352	4.39%	0.316%
36	17.491	2487	2494	2497	rBV	345464	585945	47.34%	3.402%
37	17.532	2497	2501	2509	rVV	513211	865293	69.90%	5.024%
38	17.620	2509	2516	2523	rVV	113656	215936	17.44%	1.254%
39	17.679	2524	2526	2532	rVB3	11443	17791	1.44%	0.103%
40	17.896	2553	2563	2569	rBV2	36648	90829	7.34%	0.527%
41	17.949	2569	2572	2576	rVV3	17034	23501	1.90%	0.136%
42	18.002	2578	2581	2585	rVV3	11684	15377	1.24%	0.089%
43	18.073	2589	2593	2599	rVB3	13506	23579	1.90%	0.137%
44	18.296	2625	2631	2634	rBV8	6686	15197	1.23%	0.088%
45	18.361	2635	2642	2646	rBV	73346	128489	10.38%	0.746%
46	18.414	2646	2651	2658	rVB2	92026	162270	13.11%	0.942%
47	18.490	2660	2664	2669	rVB	36592	55020	4.44%	0.319%
48	18.555	2669	2675	2679	rBV3	108094	226878	18.33%	1.317%
49	18.754	2705	2709	2712	rBV5	9056	12721	1.03%	0.074%
50	18.854	2721	2726	2730	rBV	50512	76594	6.19%	0.445%
51	18.901	2730	2734	2739	rVB2	31904	51372	4.15%	0.298%
52	18.978	2744	2747	2751	rVB3	11353	14440	1.17%	0.084%
53	19.101	2763	2768	2772	rVB3	22182	36210	2.93%	0.210%
54	19.148	2772	2776	2779	rBV3	18090	27287	2.20%	0.158%
55	19.183	2779	2782	2788	rVB2	16330	22897	1.85%	0.133%
56	19.265	2791	2796	2801	rBV	56930	110165	8.90%	0.640%
57	19.330	2804	2807	2816	rVV5	24398	64098	5.18%	0.372%
58	19.418	2816	2822	2828	rVV2	38964	78119	6.31%	0.454%
59	19.536	2835	2842	2848	rBV	749998	1190821	96.20%	6.913%
60	19.630	2855	2858	2863	rVB4	18383	24585	1.99%	0.143%
61	19.865	2892	2898	2899	rBV2	131423	175470	14.18%	1.019%
62	19.900	2899	2904	2911	rVV	655060	1096318	88.57%	6.365%
63	19.959	2911	2914	2920	rVB2	38823	63780	5.15%	0.370%
64	20.082	2929	2935	2941	rBV	637578	917354	74.11%	5.326%
65	20.217	2952	2958	2965	rVB2	51875	122600	9.90%	0.712%
66	20.382	2976	2986	2991	rVB	104510	232794	18.81%	1.352%
67	20.482	2999	3003	3007	rBV	75384	115550	9.33%	0.671%
68	20.540	3010	3013	3017	rVB2	48559	76870	6.21%	0.446%
69	20.681	3033	3037	3040	rBV	50138	70685	5.71%	0.410%
70	20.728	3041	3045	3057	rVB2	51242	101630	8.21%	0.590%
71	21.151	3114	3117	3124	rVB2	43545	78279	6.32%	0.454%

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72	21.340	3145	3149	3152	rBV3	35956	54655	4.42%	0.317%
73	21.381	3153	3156	3161	rVB	50859	71412	5.77%	0.415%
74	21.433	3161	3165	3169	rBV3	40123	61606	4.98%	0.358%
75	21.763	3212	3221	3226	rBV3	445979	1237853	100.00%	7.186%
76	21.815	3226	3230	3242	rVB	268430	525082	42.42%	3.048%
77	21.974	3253	3257	3264	rVB2	47915	84593	6.83%	0.491%
78	24.019	3597	3605	3626	rVB2	170527	843906	68.17%	4.899%
79	24.759	3725	3731	3745	rVB2	94293	308108	24.89%	1.789%
80	24.912	3749	3757	3771	rVB	134815	425253	34.35%	2.469%
81	25.070	3776	3784	3793	rVV2	119004	365207	29.50%	2.120%

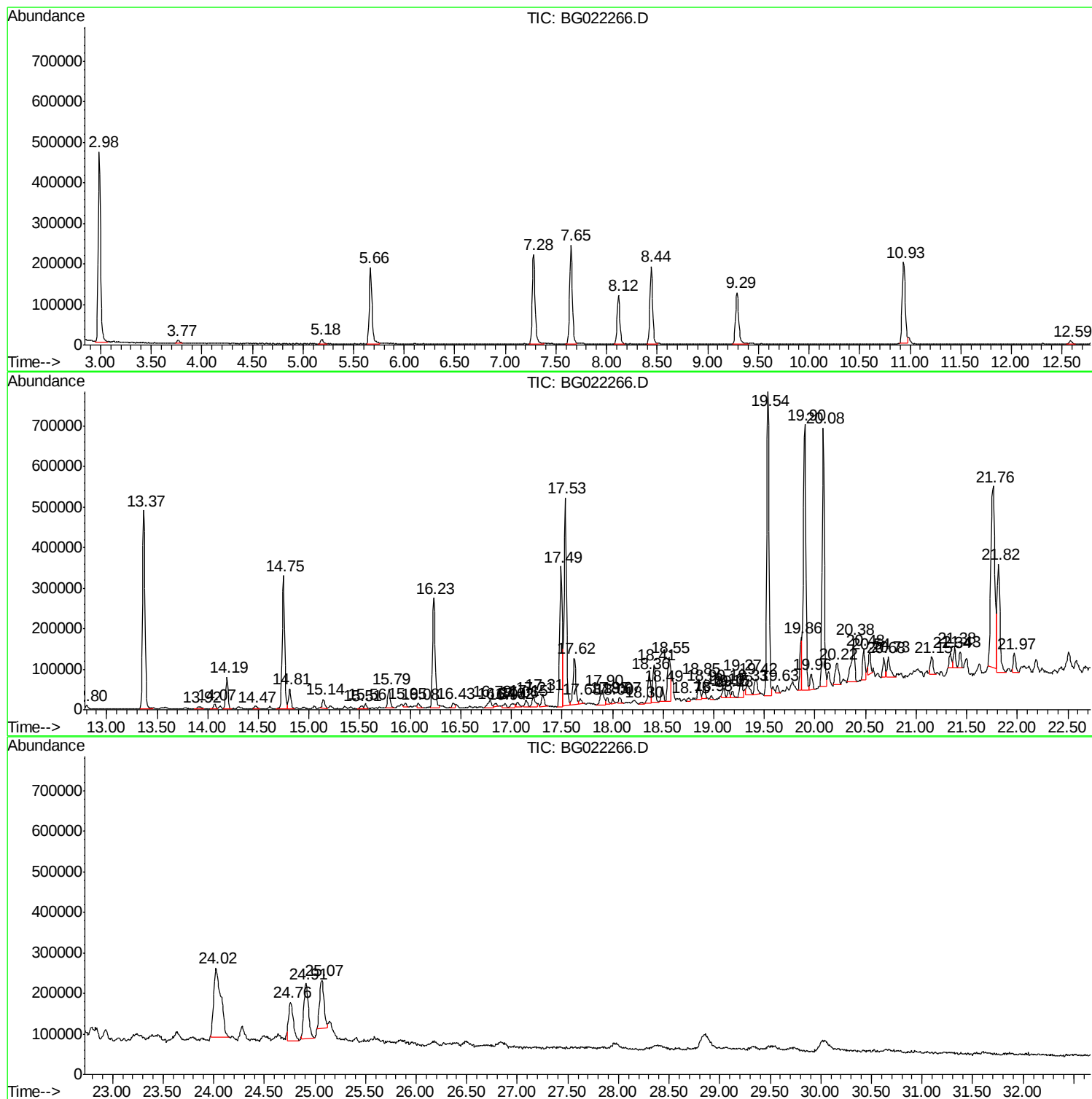
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Acq On : 9 Jun 2016 13:13
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Instrument :
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SS-45

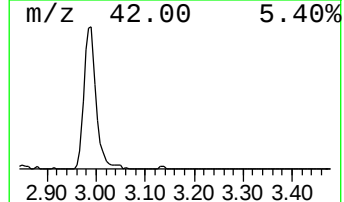
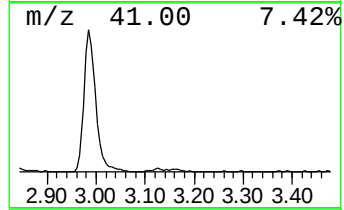
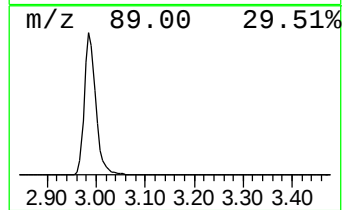
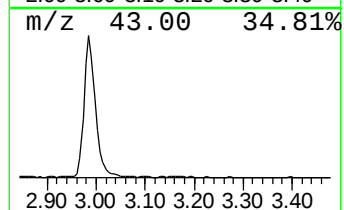
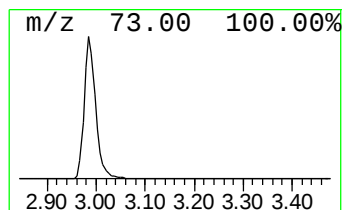
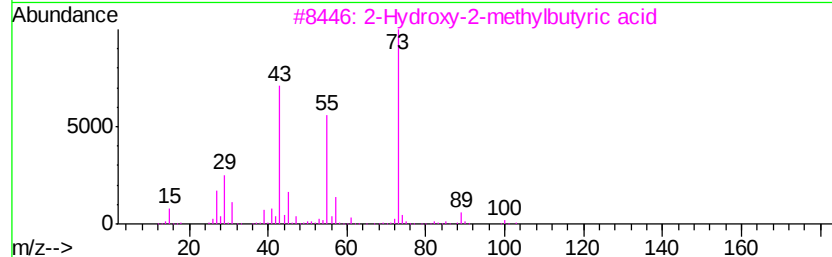
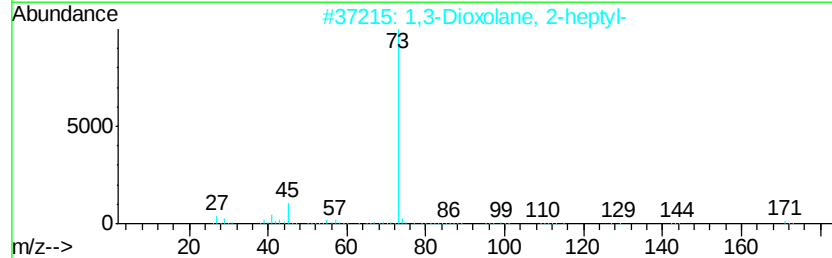
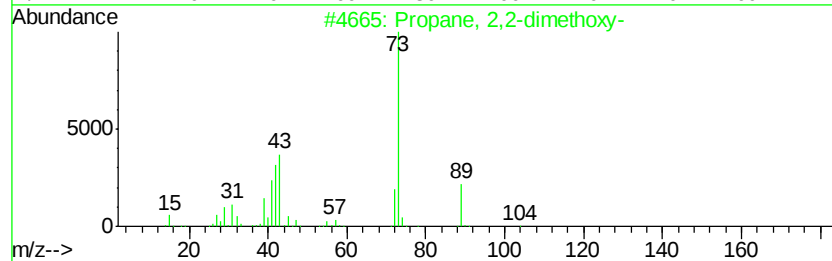
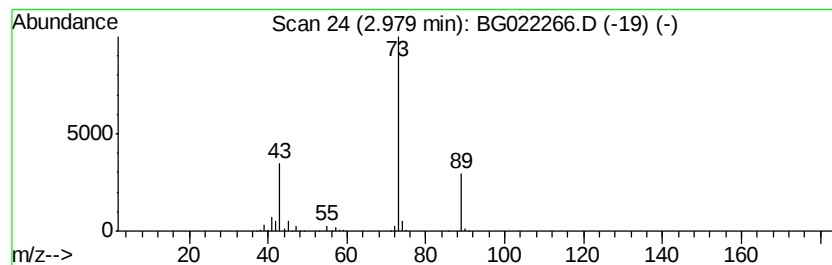
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown2.98 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.98	64.25 ng	758877	1,4-Dichlorobenzene-d4	8.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	45
2		1,3-Dioxolane, 2-heptyl-	172	C10H20O2	004359-57-3	9
3		2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9
4		N-Ethylformamide	73	C3H7NO	000627-45-2	7
5		Methane, isothiocyanato-	73	C2H3NS	000556-61-6	7



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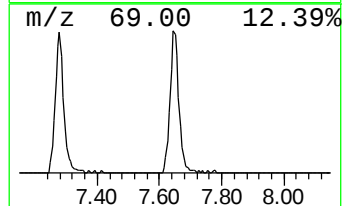
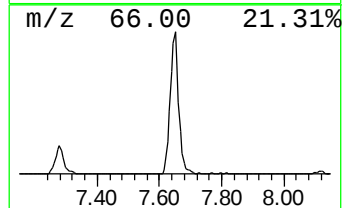
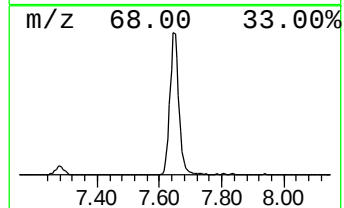
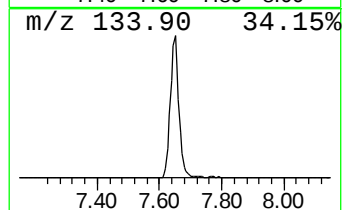
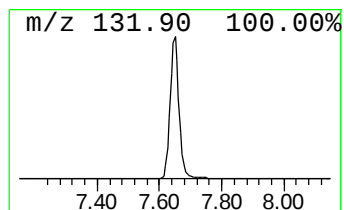
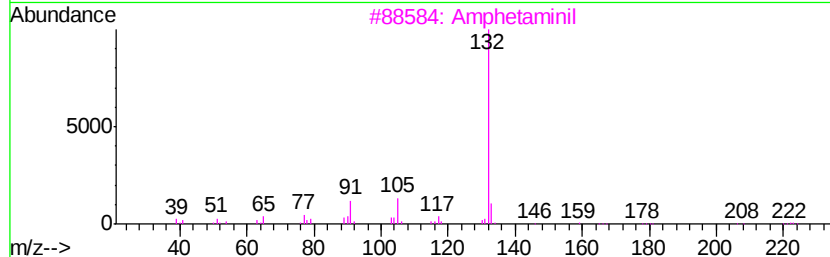
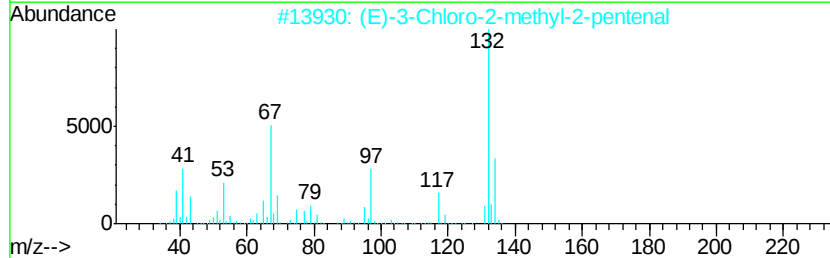
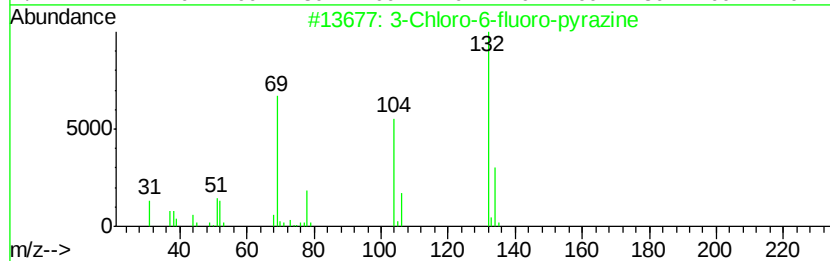
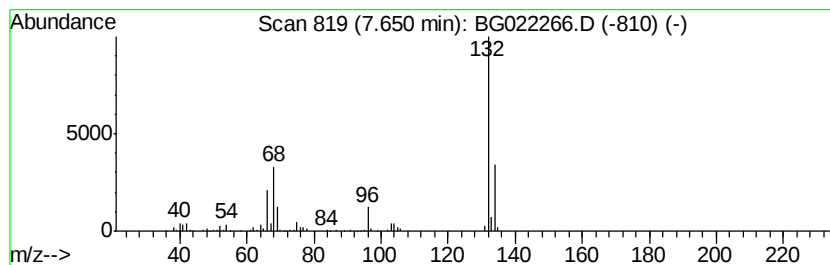
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown7.65 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.65	40.35 ng	476566	1,4-Dichlorobenzene-d4	8.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		Amphetaminil	250	C17H18N2	017590-01-1	12
4		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9



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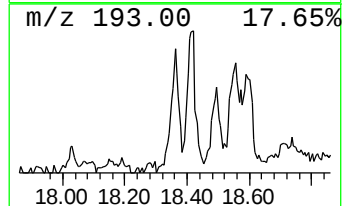
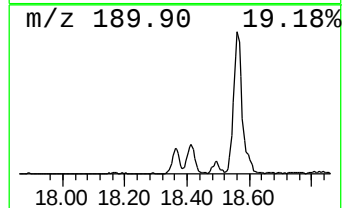
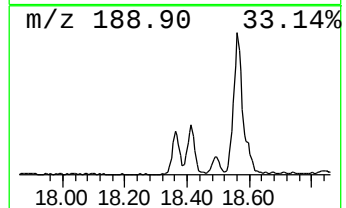
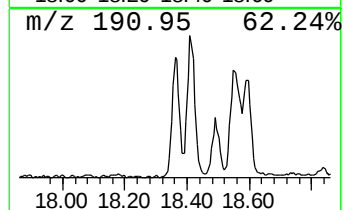
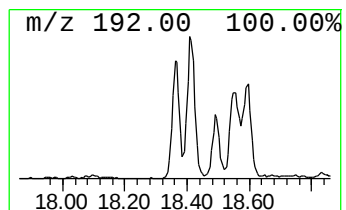
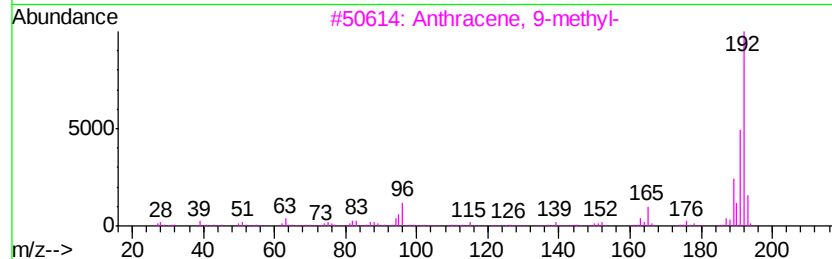
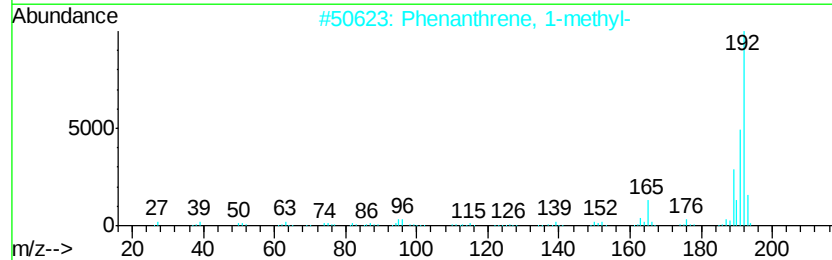
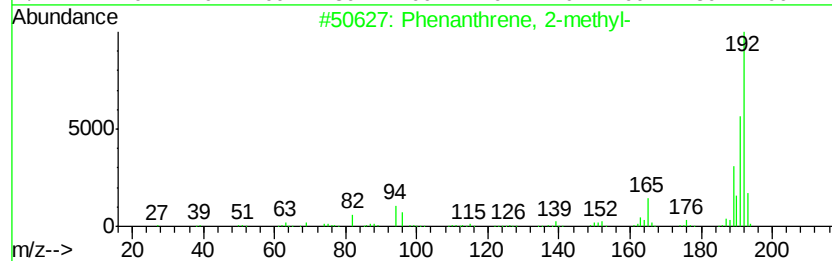
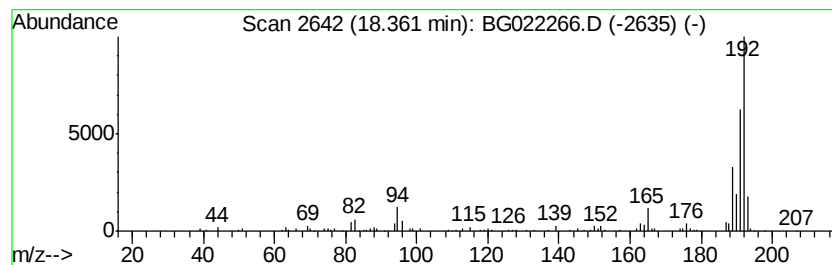
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.36	4.39 ng	128489	Phenanthrene-d10	17.49	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81



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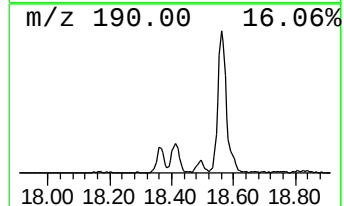
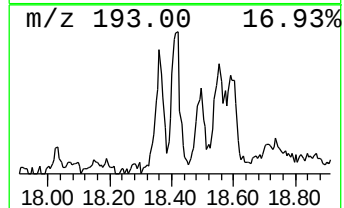
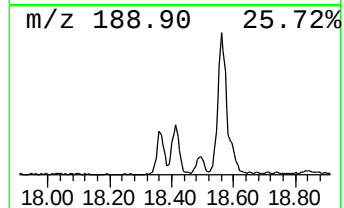
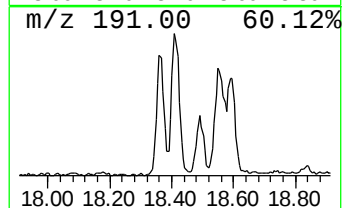
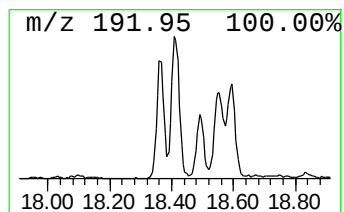
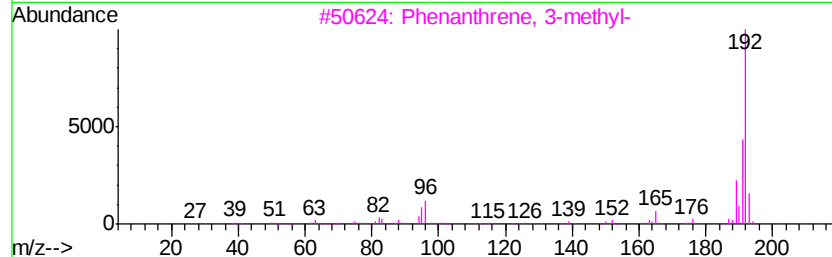
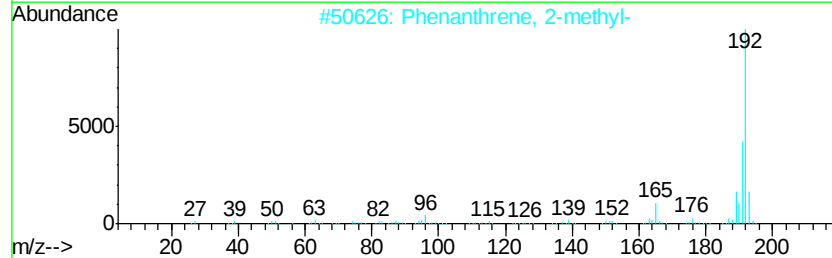
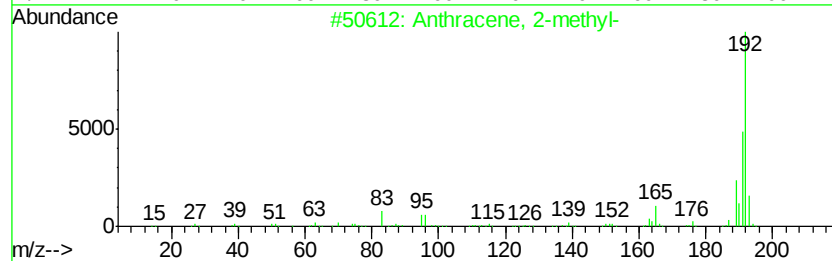
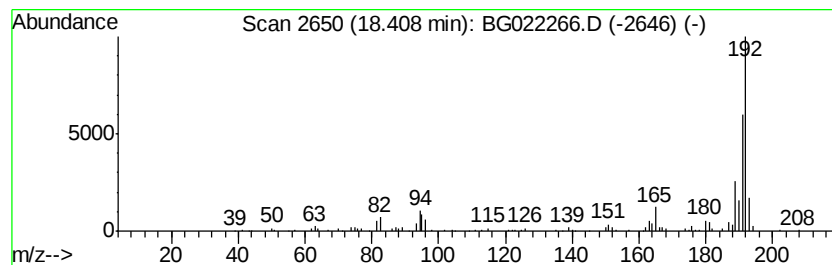
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	5.54 ng	162270	Phenanthrene-d10	17.49

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89



Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG022266.D
Acq On : 9 Jun 2016 13:13
Operator : UM/SJ
Sample : H3402-11 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
SS-45

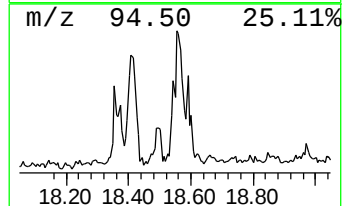
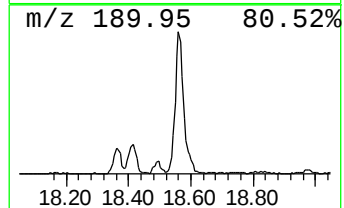
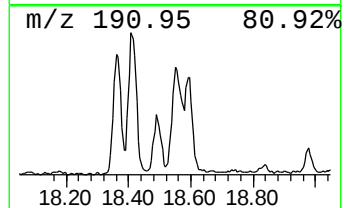
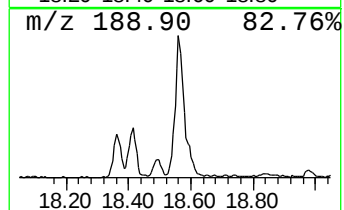
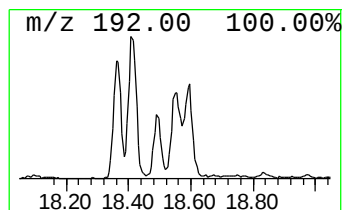
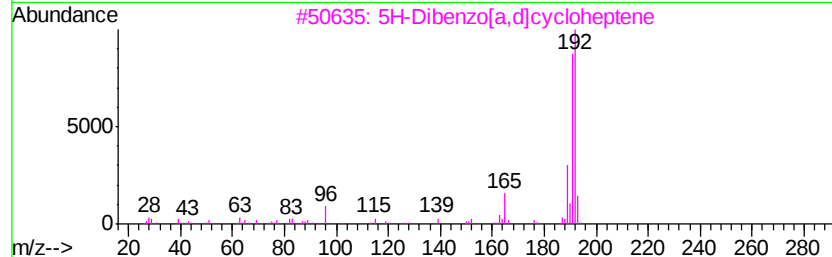
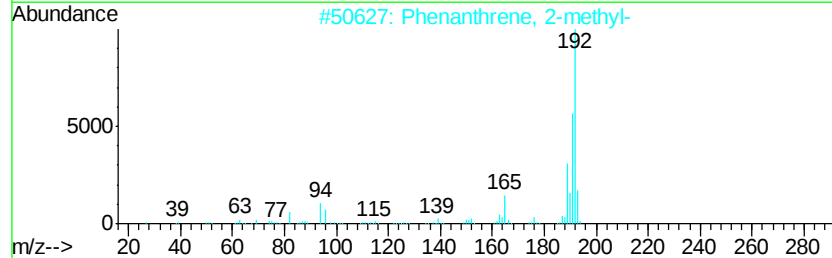
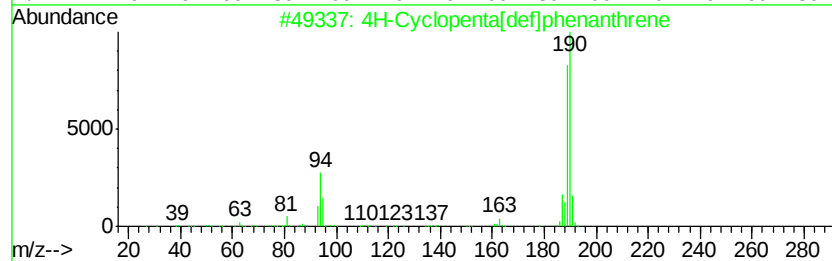
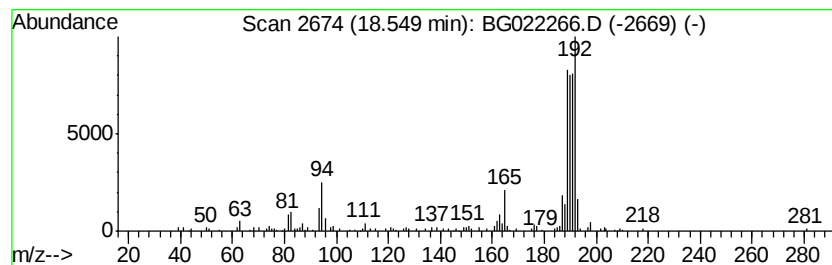
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	7.74 ng	226878	Phenanthrene-d10	17.49

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46
3		5H-Dibenzof[a,d]cycloheptene	192	C15H12	000256-81-5	42
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	38



Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG022266.D
Acq On : 9 Jun 2016 13:13
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Sample : H3402-11 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SS-45

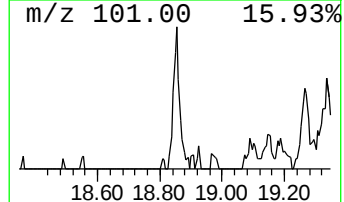
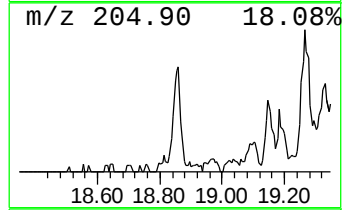
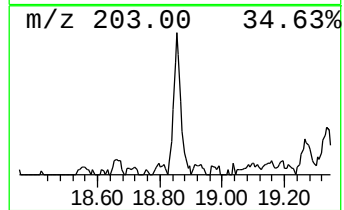
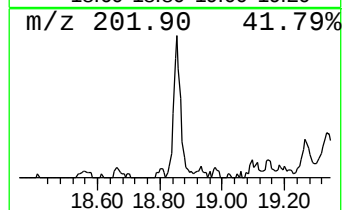
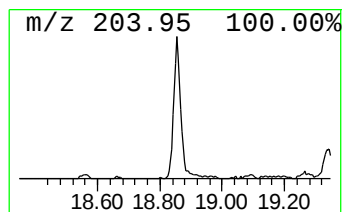
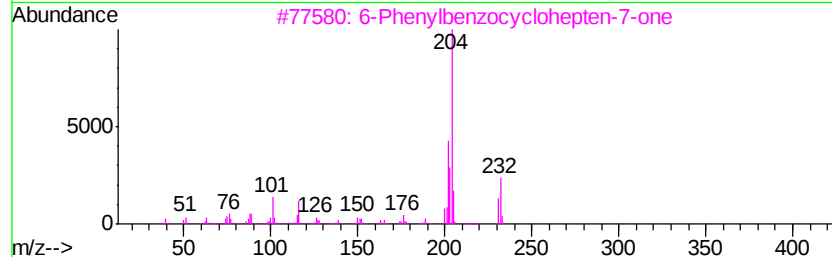
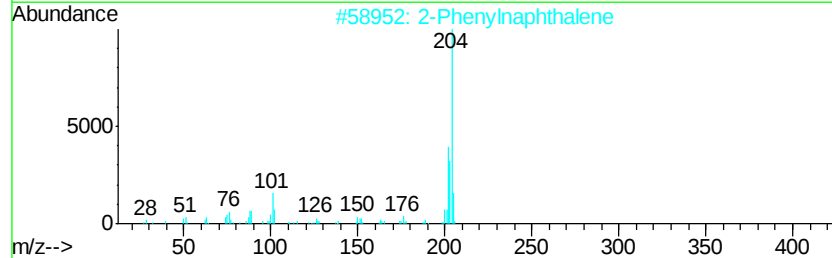
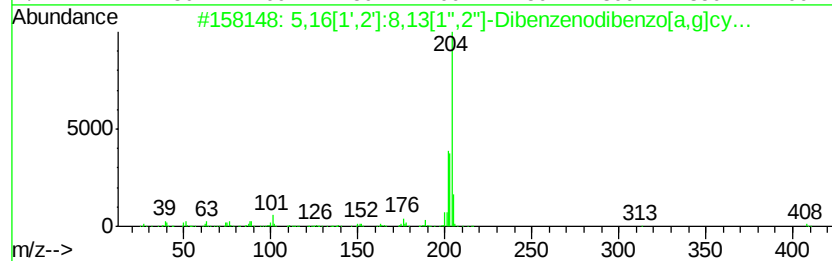
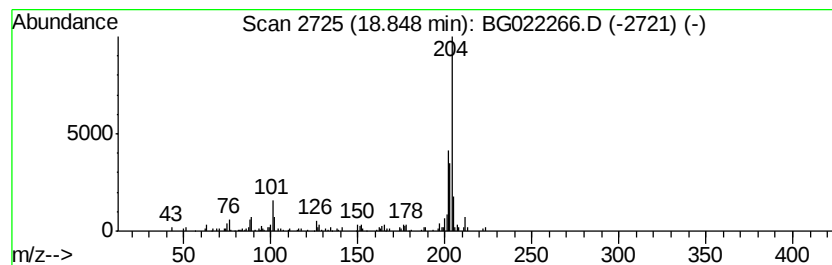
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	2.61 ng	76594	Phenanthrene-d10	17.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2		2-Phenylnaphthalene	204	C16H12	035465-71-5	86
3		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70



Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG022266.D
Acq On : 9 Jun 2016 13:13
Operator : UM/SJ
Sample : H3402-11 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

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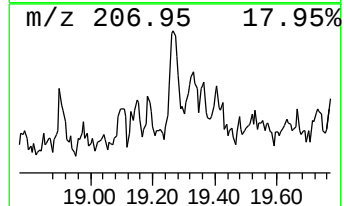
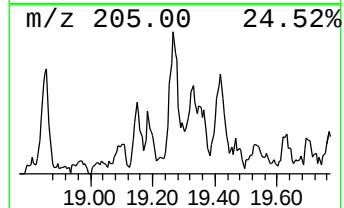
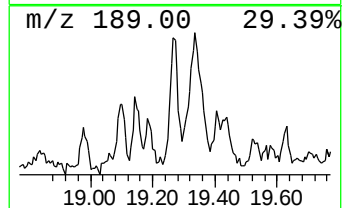
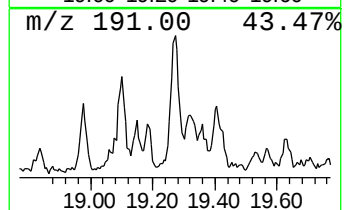
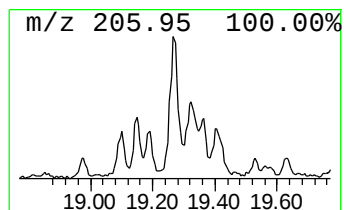
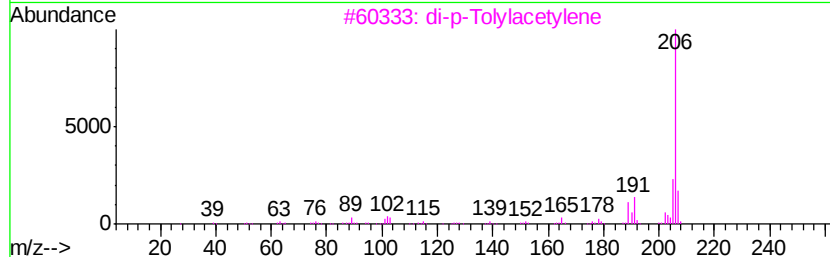
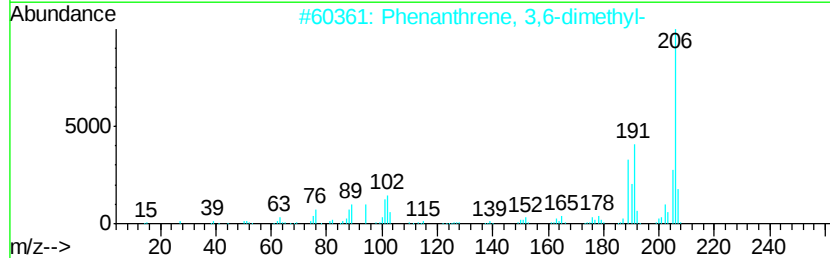
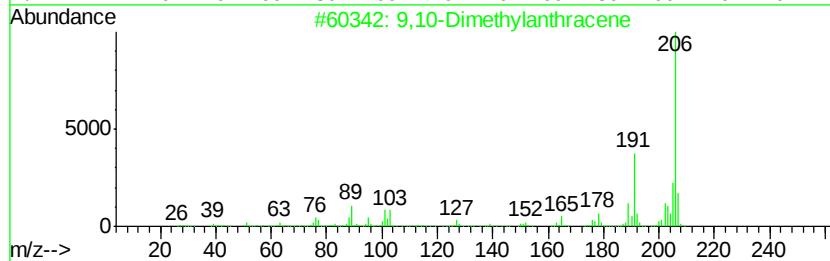
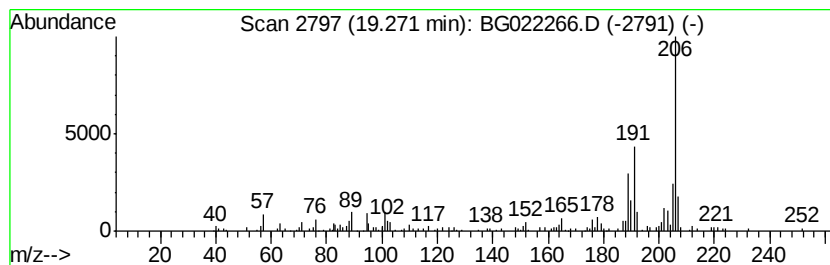
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 9,10-Dimethylantracene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.27	3.76 ng	110165	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylantracene	206	C16H14	000781-43-1	95
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	di-p-Tolylacetvlene	206	C16H14	002789-88-0	94
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93



Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG022266.D
Acq On : 9 Jun 2016 13:13
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Sample : H3402-11 2X
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ALS Vial : 11 Sample Multiplier: 1

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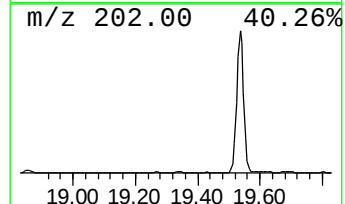
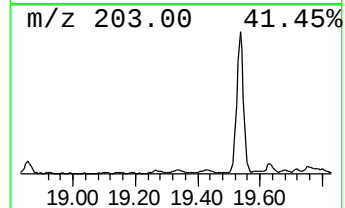
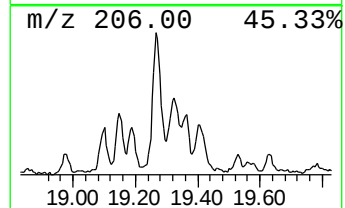
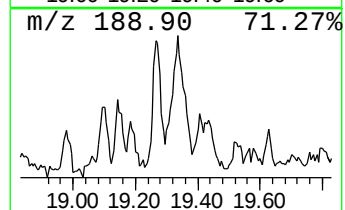
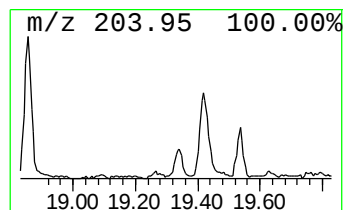
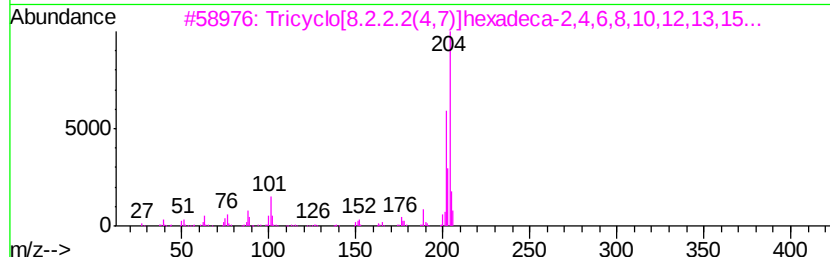
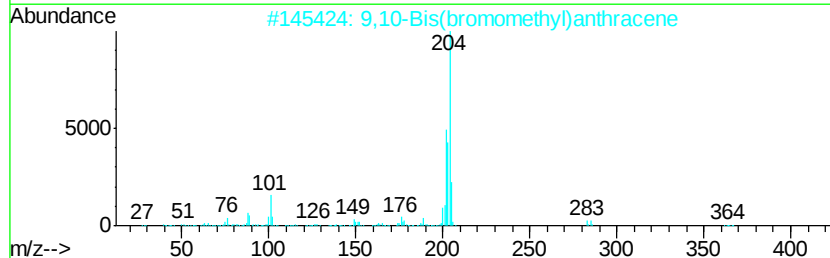
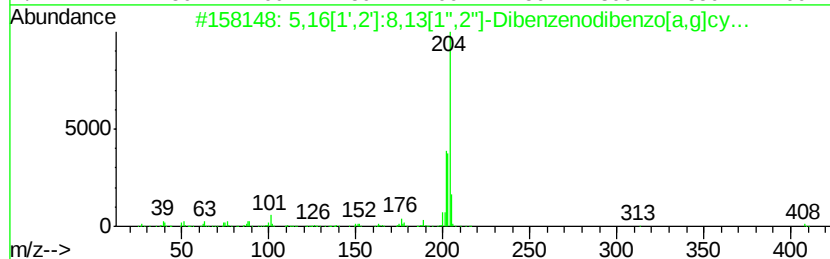
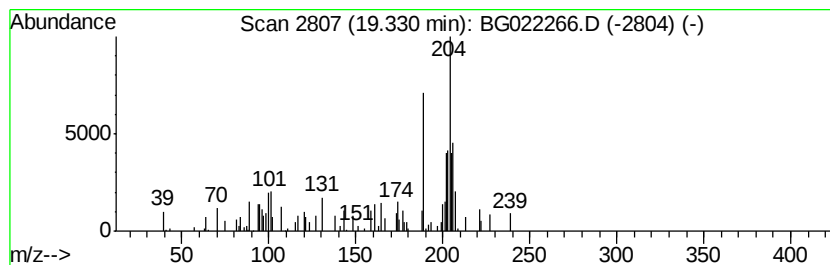
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown19.33 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.33	2.19 ng	64098	Phenanthrene-d10	17.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	37
2		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	37
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	35
4		2-Phenylnaphthalene	204	C16H12	035465-71-5	35
5		3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1000250-17-8	27



Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG02266.D
Acq On : 9 Jun 2016 13:13
Operator : UM/SJ
Sample : H3402-11 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SS-45

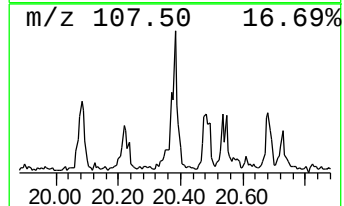
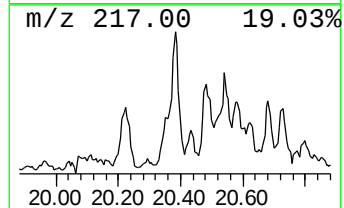
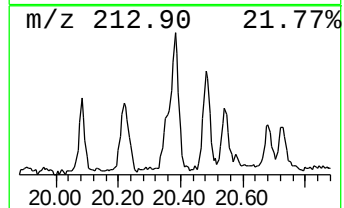
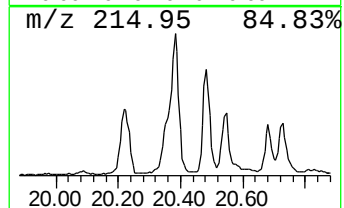
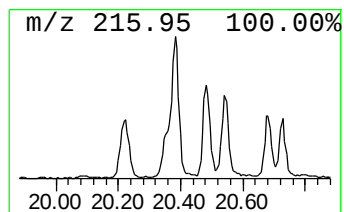
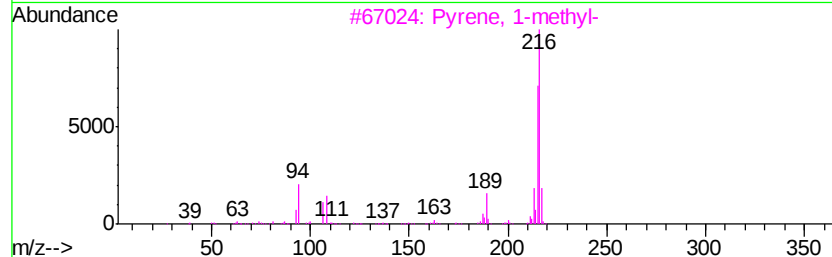
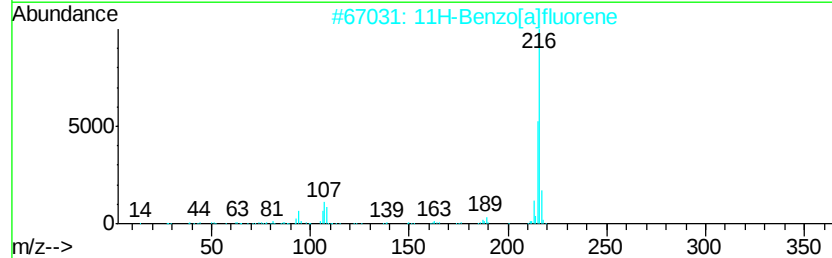
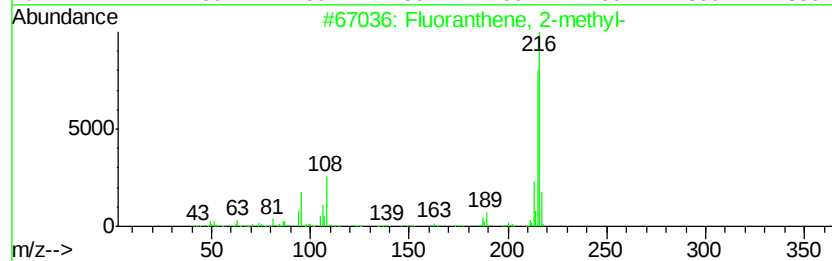
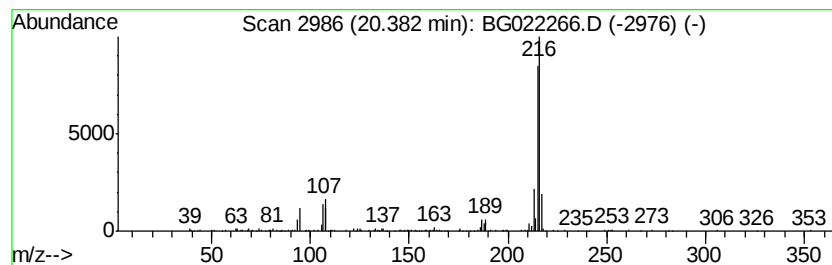
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Fluoranthene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.38	3.76 ng	232794	Chrysene-d12	21.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81



Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
Data File : BG022266.D
Acq On : 9 Jun 2016 13:13
Operator : UM/SJ
Sample : H3402-11 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

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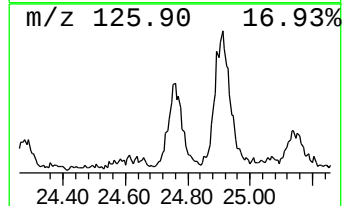
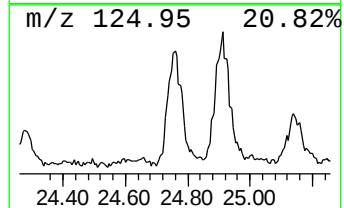
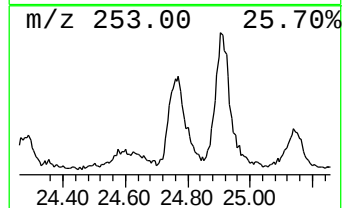
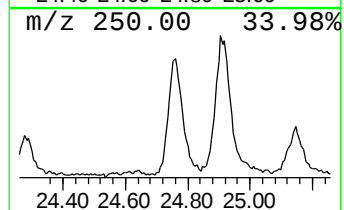
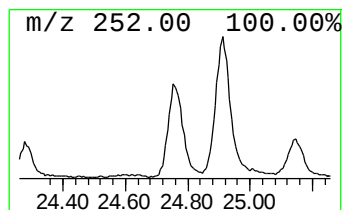
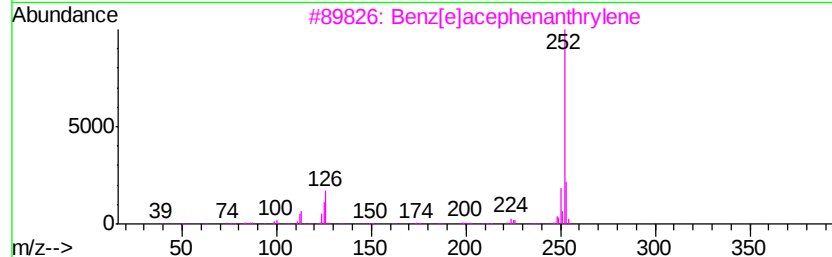
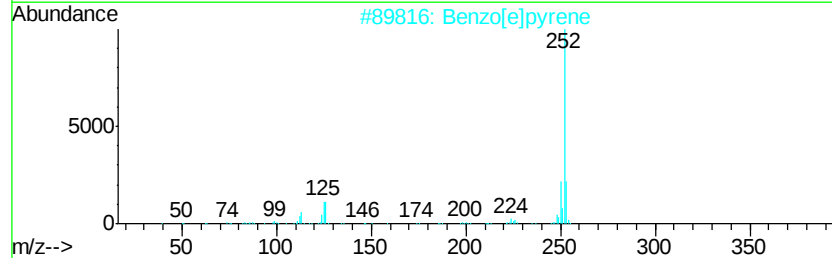
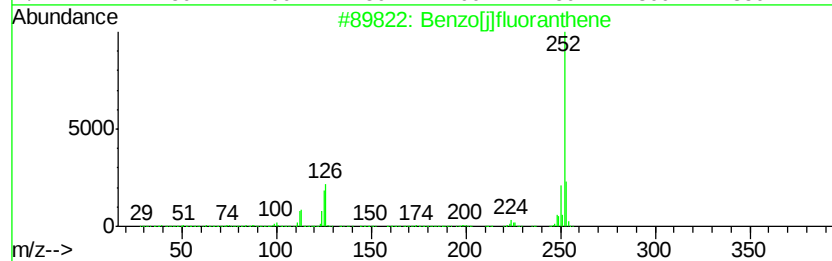
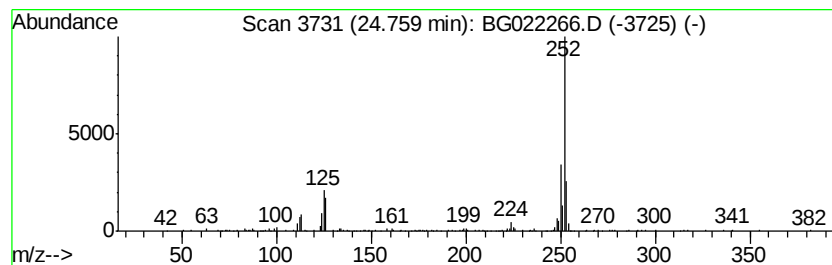
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Benzo[j]fluoranthene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.76	16.87 ng	308108	Perylene-d12	25.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[i]fluoranthene	252	C20H12	000205-82-3	98
2		Benzo[e]pyrene	252	C20H12	000192-97-2	96
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	96
4		Benzo[a]pyrene	252	C20H12	000050-32-8	96
5		Perylene	252	C20H12	000198-55-0	94



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060916\
Data File : BG022266.D
Acq On : 9 Jun 2016 13:13
Operator : UM/SJ
Sample : H3402-11 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SS-45

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.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
unknown2.98	2.98	64.3	ng	758877	1	8.12	236230	20.0
unknown7.65	7.65	40.4	ng	476566	1	8.12	236230	20.0
Phenanthrene, 2-m...	18.36	4.4	ng	128489	4	17.49	585945	20.0
Anthracene, 2-met...	18.41	5.5	ng	162270	4	17.49	585945	20.0
4H-Cyclopenta[def...	18.55	7.7	ng	226878	4	17.49	585945	20.0
5,16[1',2']:8,13[...	18.85	2.6	ng	76594	4	17.49	585945	20.0
9,10-Dimethylanthe...	19.27	3.8	ng	110165	4	17.49	585945	20.0
unknown19.33	19.33	2.2	ng	64098	4	17.49	585945	20.0
Cyclopenta(def)ph...	19.42	2.7	ng	78119	4	17.49	585945	20.0
Fluoranthene, 2-m...	20.38	3.8	ng	232794	5	21.77	1237850	20.0
Benzo[j]fluoranthene	24.76	16.9	ng	308108	6	25.07	365207	20.0