

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121115\
 Data File : BG020079.D
 Acq On : 10 Dec 2015 17:17
 Operator : UM/SJ
 Sample : G4683-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S29-15

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.985	20	25	46	rVB	964047	1333447	100.00%	10.598%
2	4.571	289	295	304	rBV	43649	64097	4.81%	0.509%
3	5.182	392	399	411	rBV	146891	216667	16.25%	1.722%
4	5.658	473	480	490	rVB	277213	434599	32.59%	3.454%
5	7.262	744	753	762	rBV	298695	520093	39.00%	4.133%
6	7.638	809	817	825	rBV	297579	498184	37.36%	3.959%
7	8.108	890	897	904	rBV	66758	106485	7.99%	0.846%
8	8.431	946	952	960	rBV	202134	346375	25.98%	2.753%
9	9.277	1088	1096	1105	rBV	187126	330539	24.79%	2.627%
10	10.928	1369	1377	1382	rBV	91800	165078	12.38%	1.312%
11	13.361	1783	1791	1799	rVB	478510	719616	53.97%	5.719%
12	14.183	1925	1931	1937	rBV	113251	160948	12.07%	1.279%
13	14.736	2015	2025	2032	rBV2	158662	255274	19.14%	2.029%
14	14.800	2032	2036	2042	rVB	20392	29845	2.24%	0.237%
15	15.129	2086	2092	2097	rBV	16487	25453	1.91%	0.202%
16	15.564	2162	2166	2171	rVB	18555	23869	1.79%	0.190%
17	15.781	2196	2203	2211	rBV2	19963	33510	2.51%	0.266%
18	16.069	2247	2252	2257	rVB3	8887	14127	1.06%	0.112%
19	16.216	2269	2277	2287	rBV	387673	611550	45.86%	4.860%
20	16.428	2307	2313	2316	rBV	20471	30831	2.31%	0.245%
21	16.780	2364	2373	2378	rBV6	6456	15315	1.15%	0.122%
22	17.127	2427	2432	2438	rVV	12913	18706	1.40%	0.149%
23	17.221	2441	2448	2453	rVV5	17327	31915	2.39%	0.254%
24	17.297	2457	2461	2467	rVB	13289	20356	1.53%	0.162%
25	17.479	2486	2492	2495	rBV	215866	320647	24.05%	2.548%
26	17.521	2495	2499	2506	rVV	256548	379571	28.47%	3.017%
27	17.609	2510	2514	2519	rVV	44955	66442	4.98%	0.528%
28	17.873	2549	2559	2567	rBV2	26889	60216	4.52%	0.479%
29	18.349	2635	2640	2644	rVV	66386	94337	7.07%	0.750%
30	18.396	2644	2648	2657	rVV	47154	76995	5.77%	0.612%
31	18.478	2657	2662	2667	rVV	15694	22179	1.66%	0.176%
32	18.549	2667	2674	2677	rVV2	41402	80993	6.07%	0.644%
33	18.584	2677	2680	2685	rVB	23034	31214	2.34%	0.248%
34	18.848	2721	2725	2727	rBV	22686	31228	2.34%	0.248%

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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

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35	18.884	2727	2731	2737	rVB3	31892	47257	3.54%	0.376%
36	19.089	2760	2766	2769	rBV4	9533	14761	1.11%	0.117%
37	19.207	2782	2786	2790	rVB2	13496	17110	1.28%	0.136%
38	19.266	2790	2796	2800	rBV3	19833	33690	2.53%	0.268%
39	19.395	2815	2818	2826	rVB3	18104	28365	2.13%	0.225%
40	19.524	2834	2840	2845	rVB	320166	447792	33.58%	3.559%
41	19.618	2852	2856	2863	rBV4	22955	32379	2.43%	0.257%
42	19.706	2867	2871	2875	rBV7	11688	18910	1.42%	0.150%
43	19.765	2875	2881	2885	rBV3	27194	46796	3.51%	0.372%
44	19.853	2890	2896	2897	rVV	63792	89917	6.74%	0.715%
45	19.883	2897	2901	2908	rVV	267815	416615	31.24%	3.311%
46	19.953	2908	2913	2919	rVB4	20102	32803	2.46%	0.261%
47	20.076	2926	2934	2939	rBV	854337	1189796	89.23%	9.456%
48	20.118	2939	2941	2946	rVB2	21717	29192	2.19%	0.232%
49	20.200	2949	2955	2956	rBV2	25001	36135	2.71%	0.287%
50	20.335	2973	2978	2980	rBV6	18437	31418	2.36%	0.250%
51	20.370	2980	2984	2989	rVB	41117	64760	4.86%	0.515%
52	20.470	2995	3001	3005	rBV2	23136	37735	2.83%	0.300%
53	20.529	3005	3011	3015	rVV4	29329	59785	4.48%	0.475%
54	20.570	3015	3018	3021	rVB	11524	14084	1.06%	0.112%
55	20.670	3031	3035	3039	rVV	17086	26002	1.95%	0.207%
56	20.717	3039	3043	3046	rVV2	21060	28572	2.14%	0.227%
57	20.752	3046	3049	3055	rVB4	12663	18076	1.36%	0.144%
58	20.805	3055	3058	3060	rBV3	16530	20456	1.53%	0.163%
59	20.834	3060	3063	3067	rVB4	16193	20024	1.50%	0.159%
60	20.969	3081	3086	3088	rBV5	16171	24768	1.86%	0.197%
61	21.016	3092	3094	3098	rVB2	15588	15525	1.16%	0.123%
62	21.134	3110	3114	3121	rVB	26707	40159	3.01%	0.319%
63	21.322	3139	3146	3151	rBV4	22248	56330	4.22%	0.448%
64	21.375	3151	3155	3159	rVV3	41463	69431	5.21%	0.552%
65	21.422	3159	3163	3167	rVV2	23503	41903	3.14%	0.333%
66	21.469	3167	3171	3178	rVB2	22356	37890	2.84%	0.301%
67	21.522	3178	3180	3186	rVB4	12730	17530	1.31%	0.139%
68	21.604	3190	3194	3197	rBV5	10594	17135	1.29%	0.136%
69	21.751	3210	3219	3224	rBV2	297088	701338	52.60%	5.574%
70	21.798	3224	3227	3239	rVB	121644	196029	14.70%	1.558%
71	21.951	3249	3253	3257	rVB	12032	20816	1.56%	0.165%

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72	22.162	3283	3289	3296	rBV5	20854	49583	3.72%	0.394%
73	22.350	3317	3321	3328	rVB7	6709	14063	1.05%	0.112%
74	22.491	3337	3345	3351	rBV	22297	44966	3.37%	0.357%
75	22.562	3353	3357	3364	rVB6	15850	31006	2.33%	0.246%
76	22.767	3388	3392	3396	rBV3	11305	18418	1.38%	0.146%
77	22.914	3410	3417	3418	rBV7	7779	15629	1.17%	0.124%
78	23.161	3453	3459	3463	rBV5	8004	15511	1.16%	0.123%
79	23.608	3531	3535	3542	rVB4	8546	16206	1.22%	0.129%
80	23.989	3589	3600	3607	rBV	71743	254742	19.10%	2.025%
81	24.242	3636	3643	3651	rVB3	14744	34703	2.60%	0.276%
82	24.718	3716	3724	3737	rVB	40852	124301	9.32%	0.988%
83	24.871	3739	3750	3760	rBV	58605	169432	12.71%	1.347%
84	25.029	3764	3777	3786	rBV2	139026	416694	31.25%	3.312%
85	28.760	4400	4412	4424	rBV3	20727	91854	6.89%	0.730%
86	29.260	4489	4497	4505	rBV8	5857	19763	1.48%	0.157%
87	29.930	4600	4611	4621	rBV4	13745	53561	4.02%	0.426%

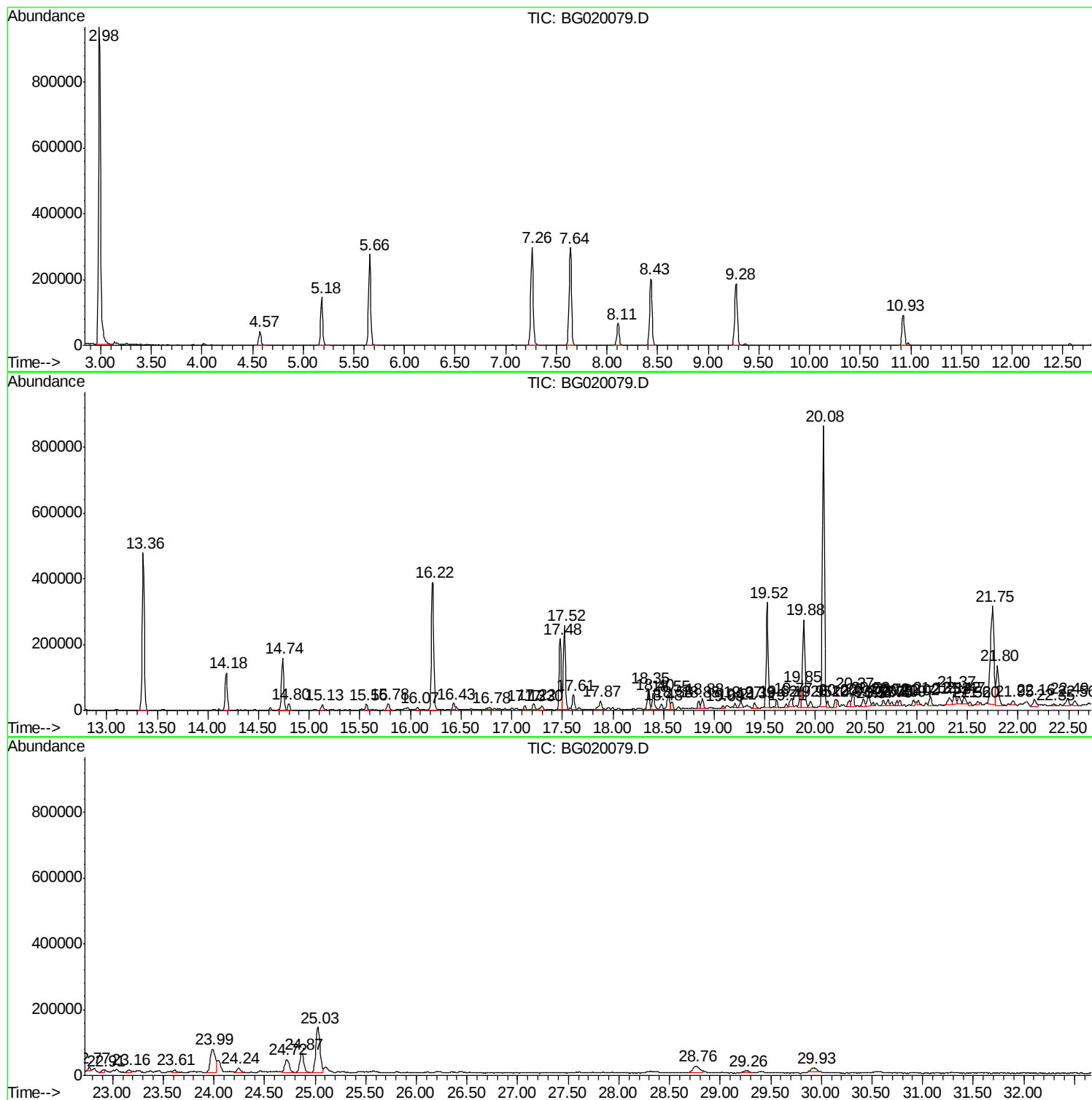
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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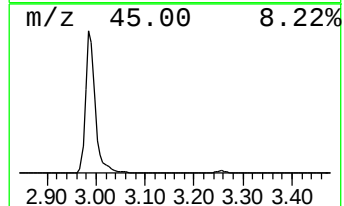
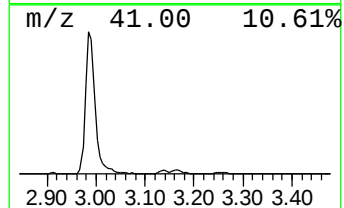
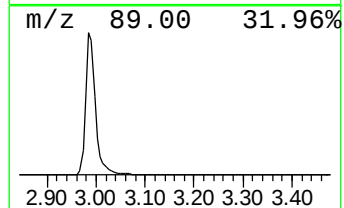
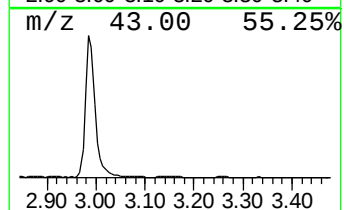
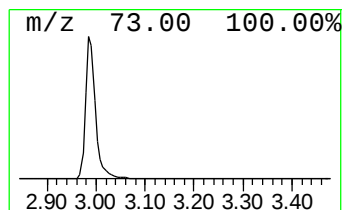
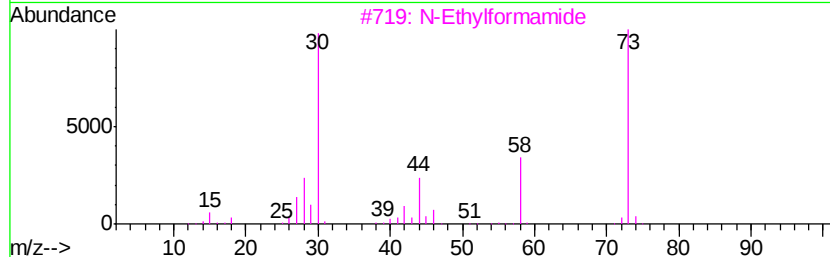
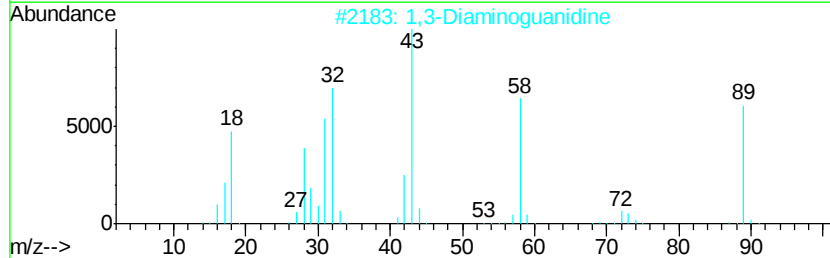
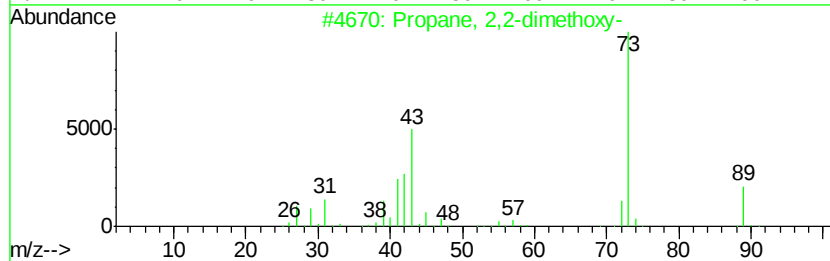
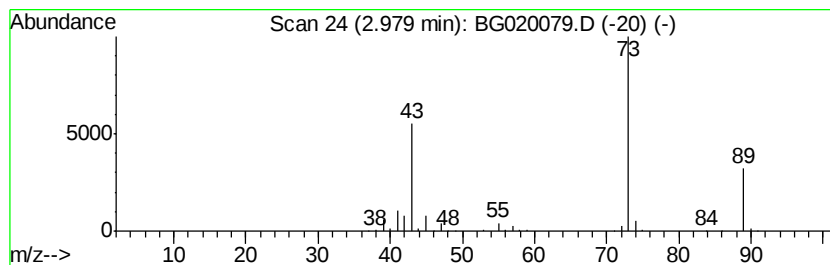
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown2.98 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.98	250.45 ng	1333450	1,4-Dichlorobenzene-d4	8.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	38
2		1,3-Diaminoquinidine	89	CH7N5	004364-78-7	9
3		N-Ethylformamide	73	C3H7NO	000627-45-2	9
4		1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	9
5		1-Hexen-4-ol, 1-chloro-3,5-dimet...	162	C8H15ClO	100244-09-5	9



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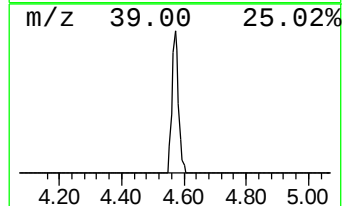
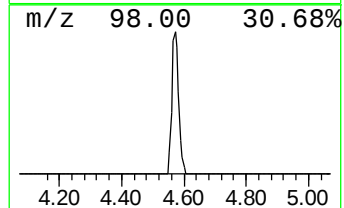
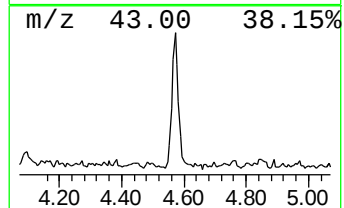
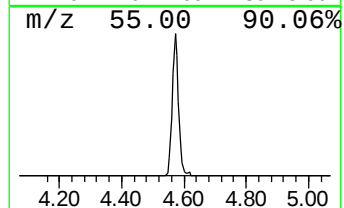
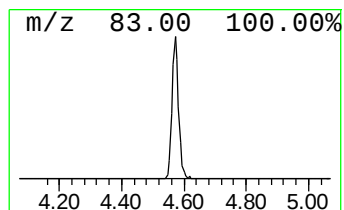
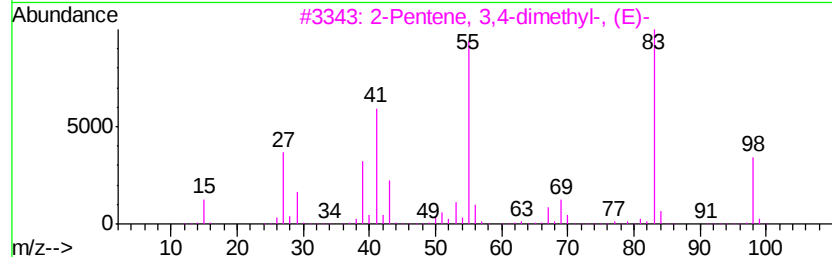
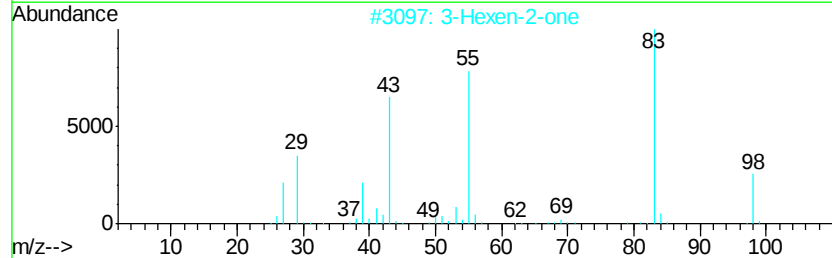
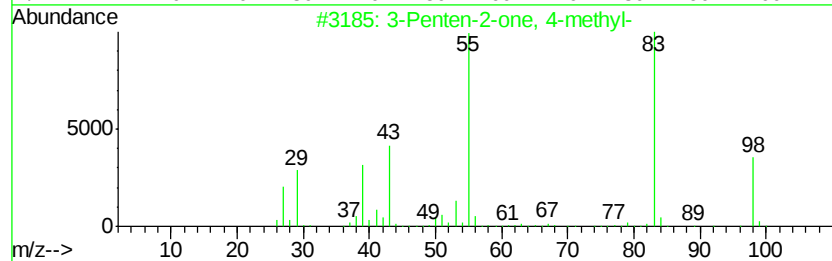
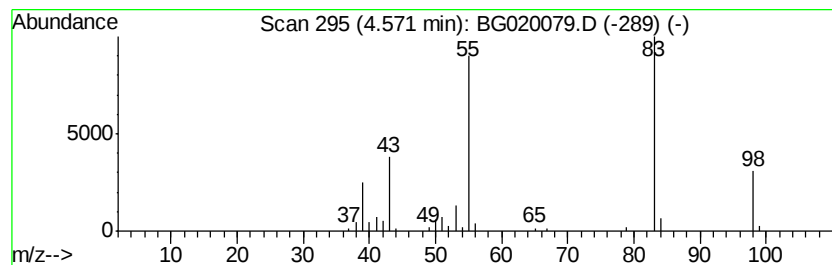
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 3-Penten-2-one, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.57	12.04 ng	64097	1,4-Dichlorobenzene-d4	8.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	94
2		3-Hexen-2-one	98	C6H10O	000763-93-9	91
3		2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
4		2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	87
5		2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	86



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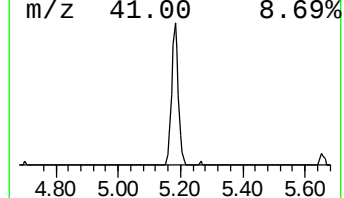
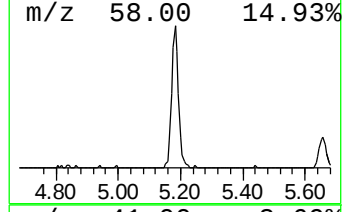
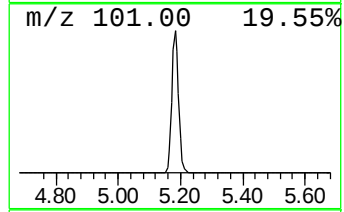
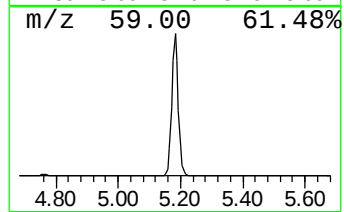
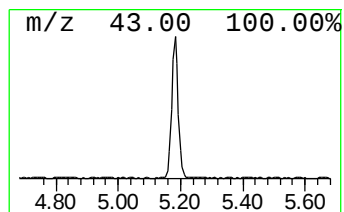
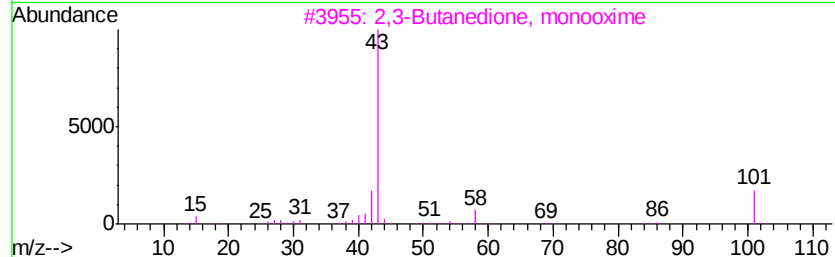
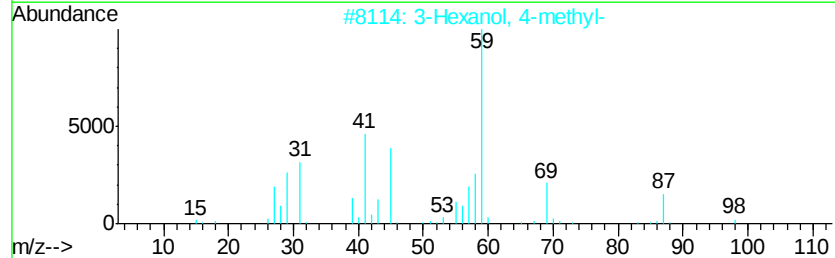
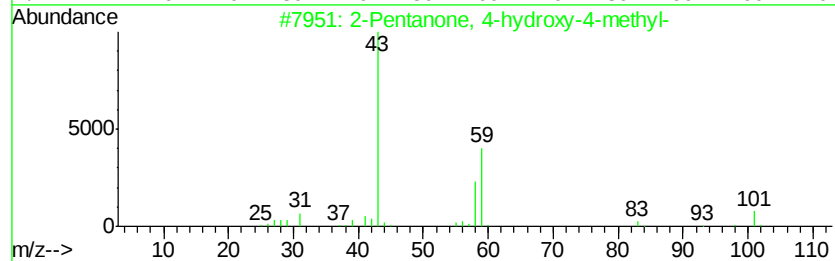
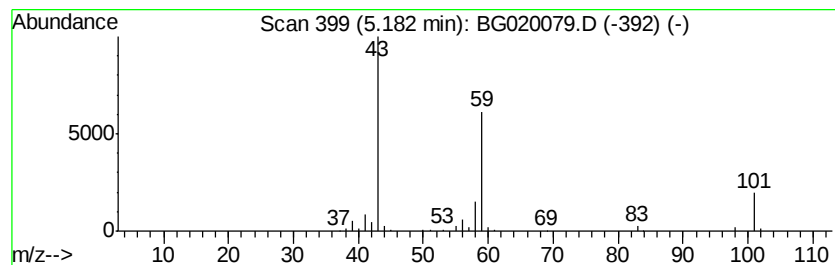
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.18	40.69 ng	216667	1,4-Dichlorobenzene-d4	8.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
3		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
4		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	23
5		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



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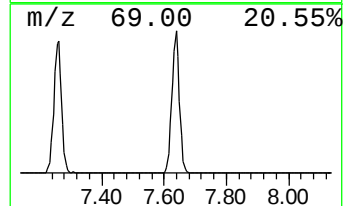
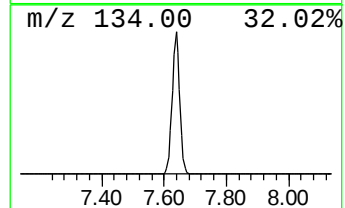
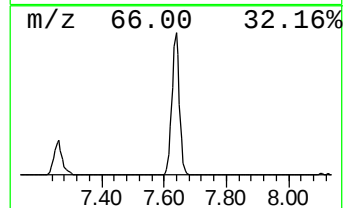
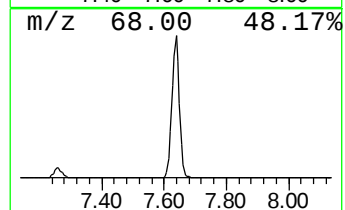
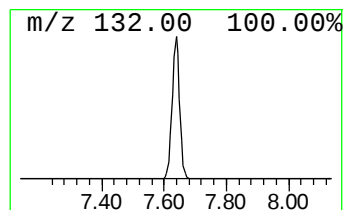
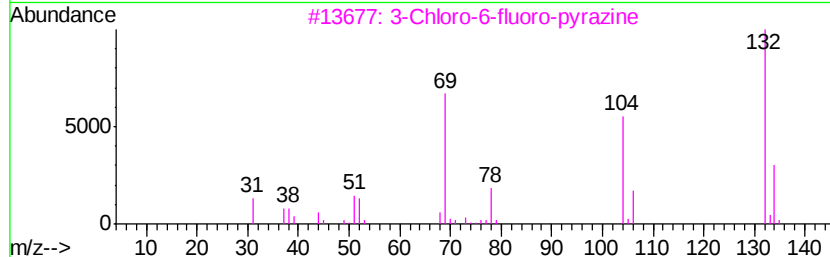
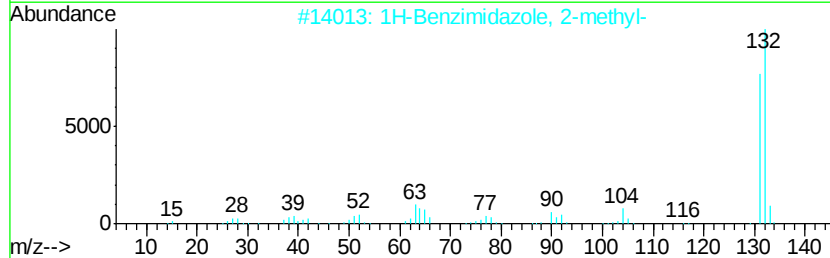
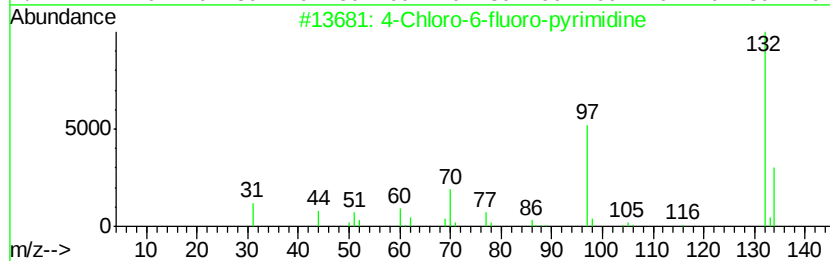
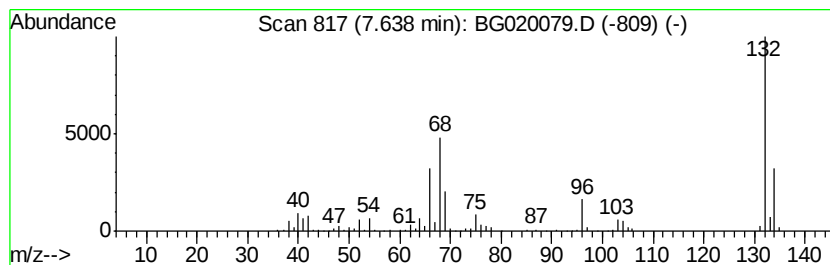
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 unknown7.64 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.64	93.57 ng	498184	1,4-Dichlorobenzene-d4	8.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
4		(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
5		Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	10



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121115\
Data File : BG020079.D
Acq On : 10 Dec 2015 17:17
Operator : UM/SJ
Sample : G4683-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
S29-15

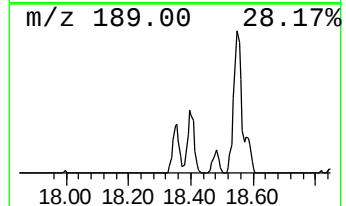
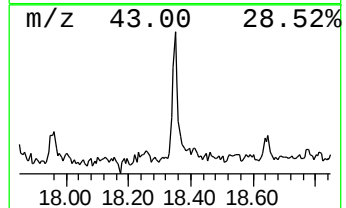
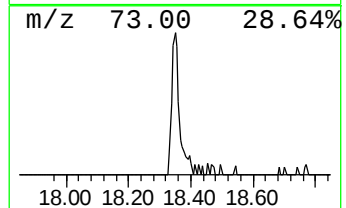
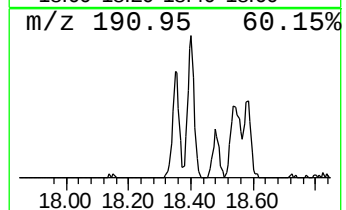
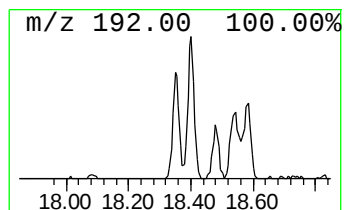
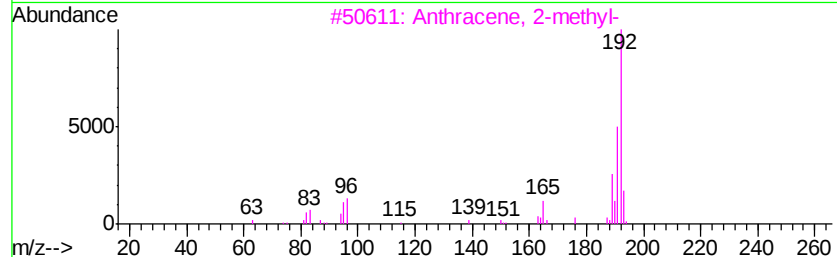
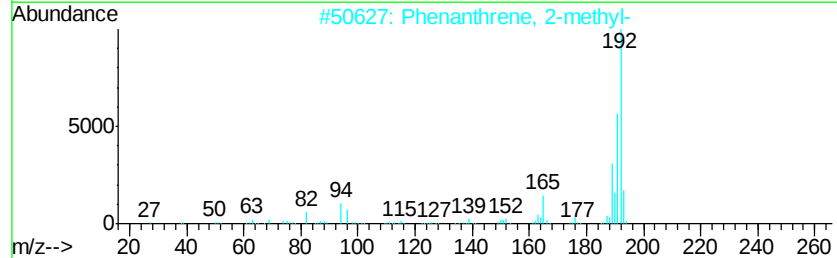
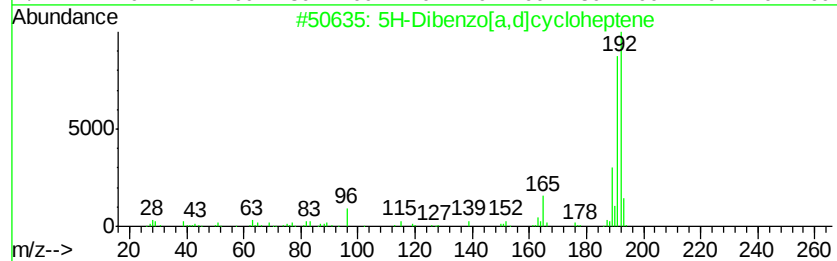
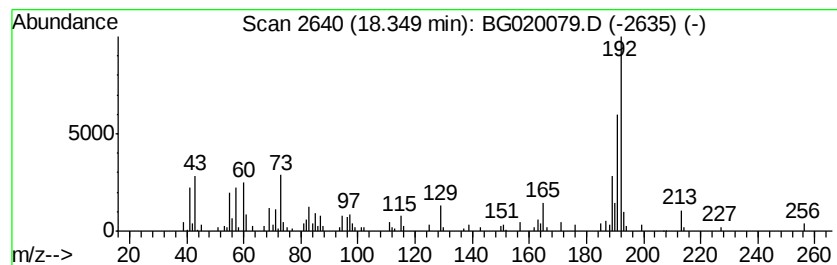
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 5H-Dibenzo[a,d]cycloheptene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	5.88 ng	94337	Phenanthrene-d10	17.48

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	91
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	83
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	78
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	78



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121115\
Data File : BG020079.D
Acq On : 10 Dec 2015 17:17
Operator : UM/SJ
Sample : G4683-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
S29-15

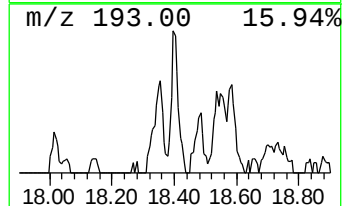
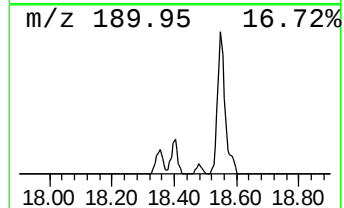
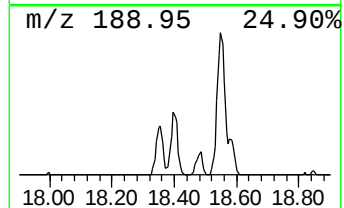
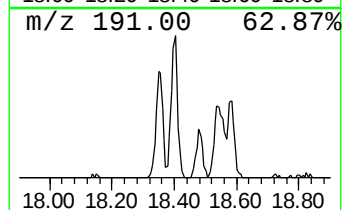
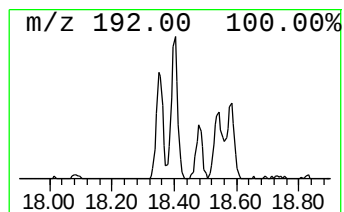
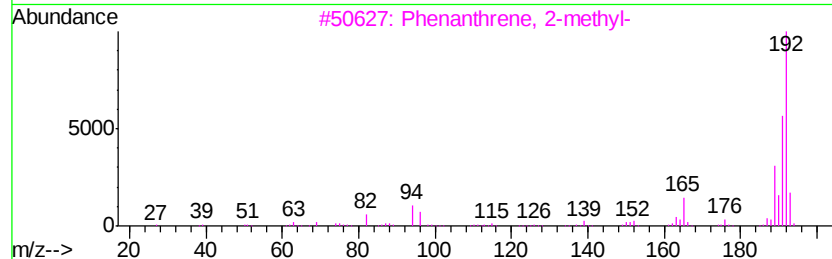
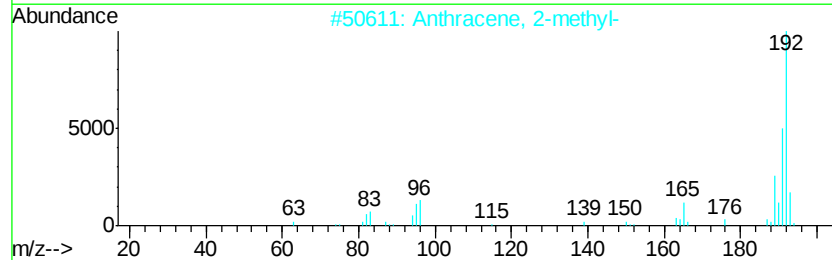
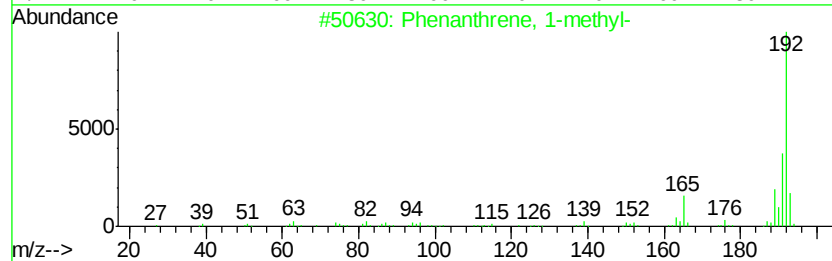
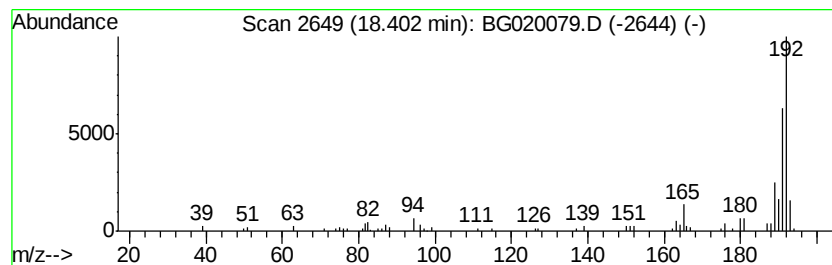
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	4.80 ng	76995	Phenanthrene-d10	17.48

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	90



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121115\
Data File : BG020079.D
Acq On : 10 Dec 2015 17:17
Operator : UM/SJ
Sample : G4683-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

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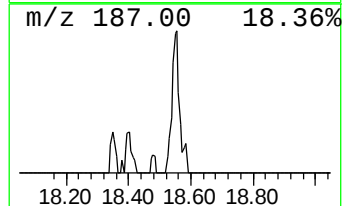
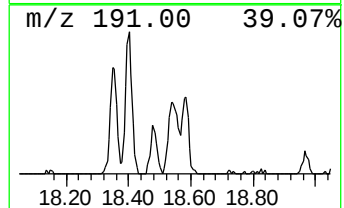
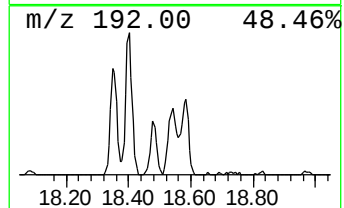
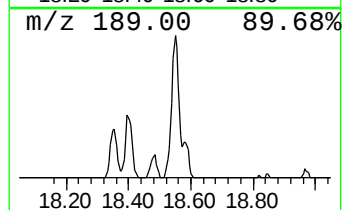
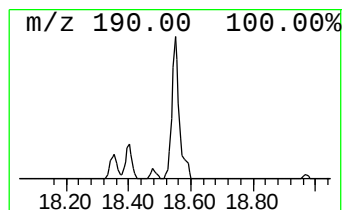
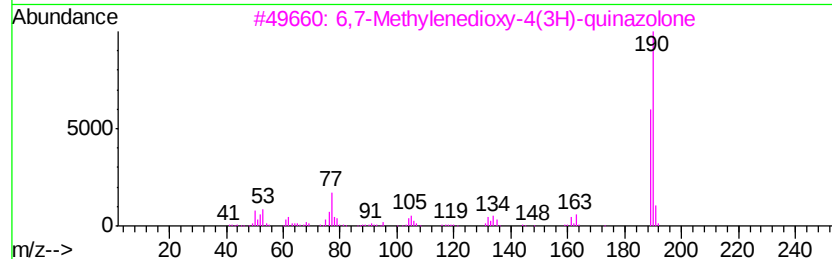
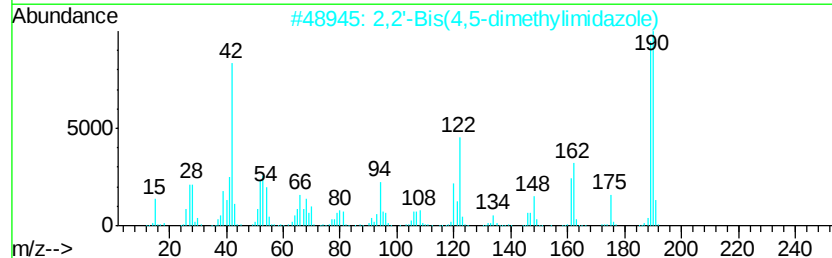
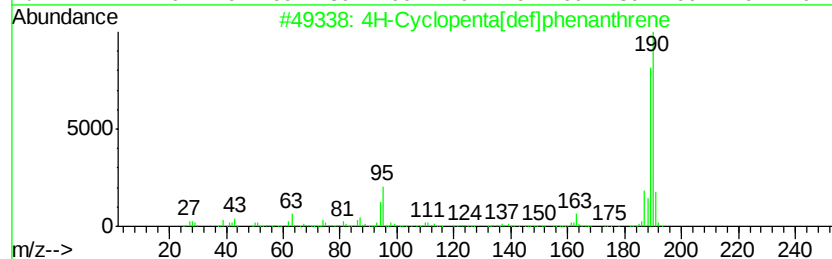
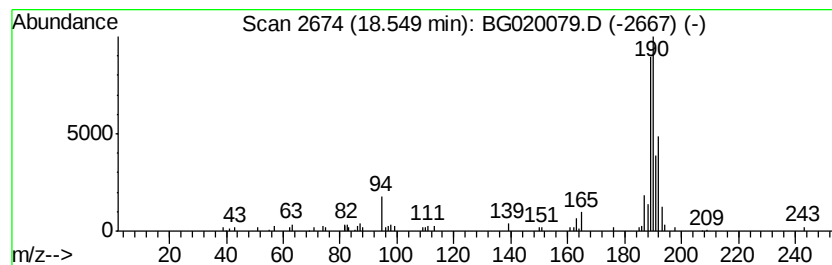
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	5.05 ng	80993	Phenanthrene-d10	17.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
3		6,7-Methylenedioxy-4(3H)-quinazo...	190	C9H6N2O3	028310-11-4	25
4		3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	25
5		1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121115\
Data File : BG020079.D
Acq On : 10 Dec 2015 17:17
Operator : UM/SJ
Sample : G4683-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
S29-15

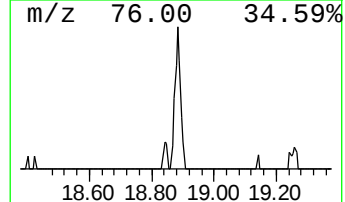
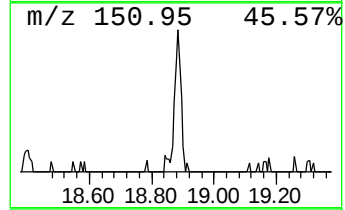
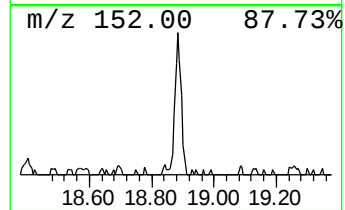
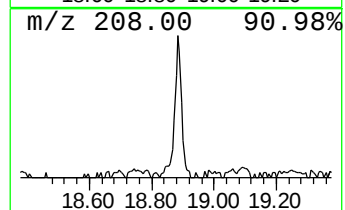
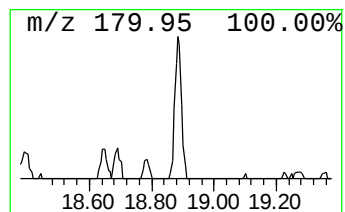
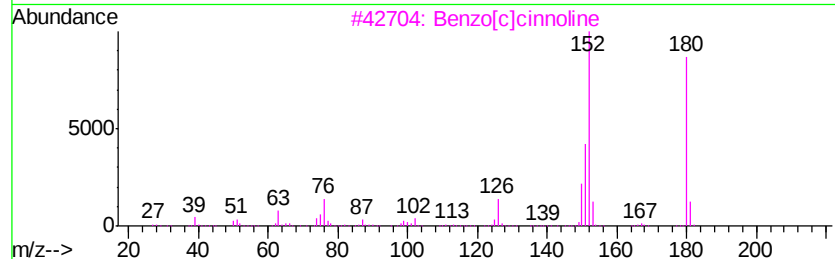
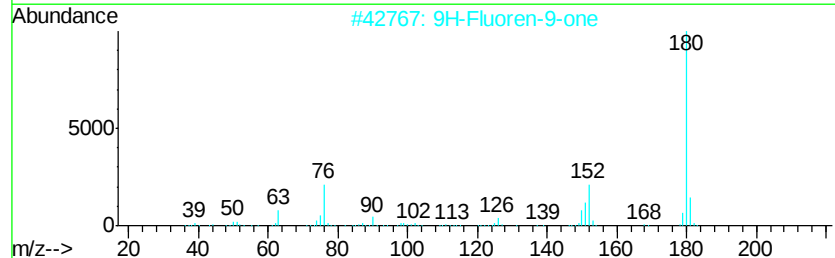
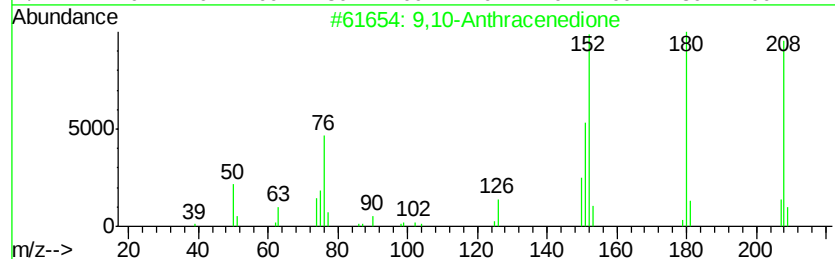
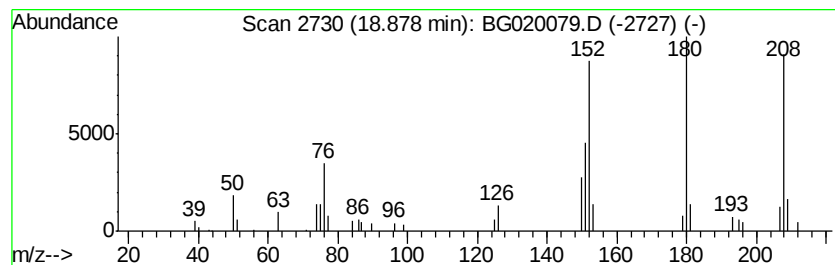
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.
18.88	2.95 ng	47257	Phenanthrene-d10		17.48

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	64
4	1H-Phenalen-1-one			180	C13H8O	000548-39-0	53
5	1,4-Anthracenedione			208	C14H8O2	000635-12-1	49



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121115\
Data File : BG020079.D
Acq On : 10 Dec 2015 17:17
Operator : UM/SJ
Sample : G4683-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
S29-15

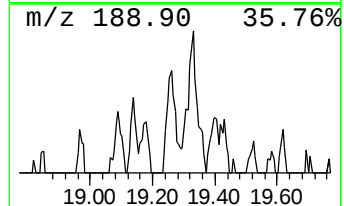
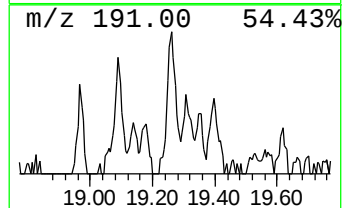
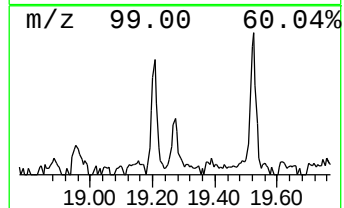
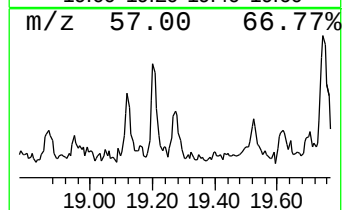
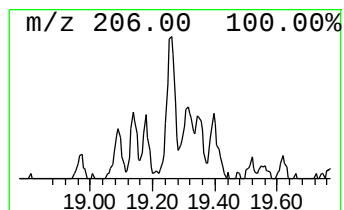
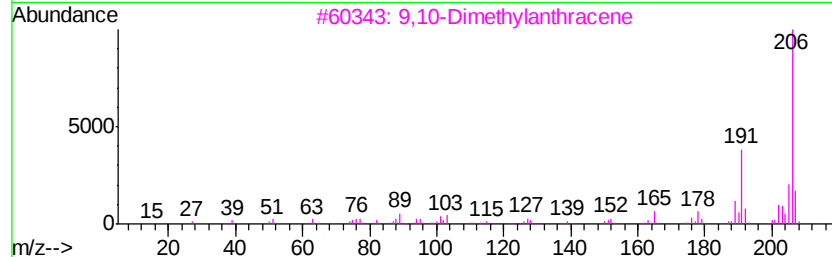
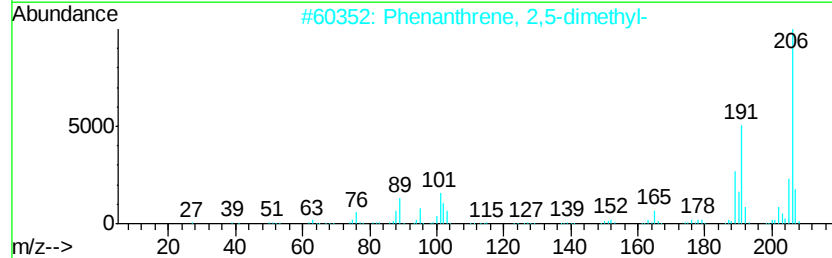
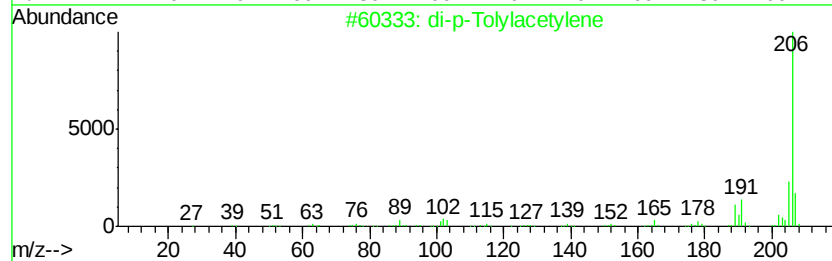
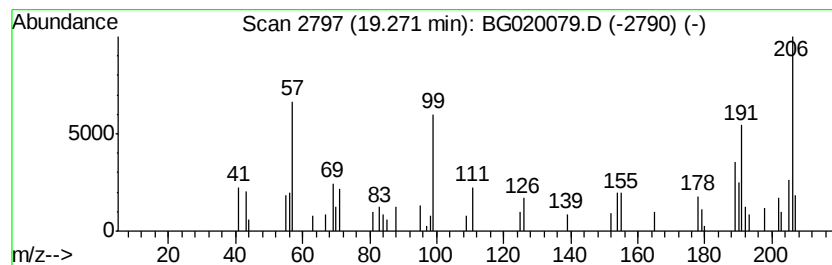
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 di-p-Tolylacetylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.27	2.10 ng	33690	Phenanthrene-d10	17.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	76
4		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	76
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	72



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121115\
Data File : BG020079.D
Acq On : 10 Dec 2015 17:17
Operator : UM/SJ
Sample : G4683-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

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

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

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					#	RT	Resp	Conc
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3-Penten-2-one, 4...	4.57	12.0	ng	64097	1	8.11	106485	20.0
2-Pentanone, 4-hy...	5.18	40.7	ng	216667	1	8.11	106485	20.0
unknown7.64	7.64	93.6	ng	498184	1	8.11	106485	20.0
5H-Dibenzo[a,d]cy...	18.35	5.9	ng	94337	4	17.48	320647	20.0
Phenanthrene, 1-m...	18.40	4.8	ng	76995	4	17.48	320647	20.0
4H-Cyclopenta[def...	18.55	5.0	ng	80993	4	17.48	320647	20.0
9,10-Anthracenedione	18.88	3.0	ng	47257	4	17.48	320647	20.0
di-p-Tolylacetylene	19.27	2.1	ng	33690	4	17.48	320647	20.0