

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042715\
 Data File : BG016755.D
 Acq On : 28 Apr 2015 6:19
 Operator : TP/IZ
 Sample : G1991-15
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-64S

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-BG042315.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	2.723	3	6	12	rVB	434843	561983	13.82%	0.921%
2	4.680	332	339	350	rVB2	145703	257108	6.32%	0.421%
3	5.167	416	422	439	rBV	1187914	1645926	40.48%	2.698%
4	6.777	689	696	711	rBV	1184784	1825985	44.91%	2.993%
5	7.112	746	753	764	rBV	1237550	1906189	46.88%	3.124%
6	7.570	825	831	838	rBV	210430	323363	7.95%	0.530%
7	7.888	878	885	892	rBV	940142	1475676	36.29%	2.419%
8	8.734	1021	1029	1038	rBV	669681	1087908	26.76%	1.783%
9	10.355	1296	1305	1309	rBV	294414	477488	11.74%	0.783%
10	10.408	1309	1314	1322	rVB	275092	455437	11.20%	0.746%
11	12.030	1583	1590	1598	rBV	111317	178277	4.38%	0.292%
12	12.253	1617	1628	1638	rVB	86143	136189	3.35%	0.223%
13	12.846	1722	1729	1741	rBV	1709296	2509819	61.73%	4.113%
14	13.052	1759	1764	1774	rVB2	39466	60374	1.48%	0.099%
15	13.546	1840	1848	1853	rBV	57149	105345	2.59%	0.173%
16	13.687	1867	1872	1879	rBV	44211	65201	1.60%	0.107%
17	13.951	1907	1917	1925	rBV	37421	67427	1.66%	0.111%
18	14.227	1954	1964	1970	rBV2	434276	684036	16.82%	1.121%
19	14.292	1970	1975	1982	rVB	292107	434773	10.69%	0.713%
20	14.627	2026	2032	2040	rVV	188342	282764	6.95%	0.463%
21	15.273	2136	2142	2148	rBV2	226595	327507	8.06%	0.537%
22	15.573	2188	2193	2203	rVB2	86488	188175	4.63%	0.308%
23	15.720	2212	2218	2227	rVV	1236570	1858676	45.71%	3.046%
24	16.260	2302	2310	2311	rBV4	40244	77468	1.91%	0.127%
25	16.278	2311	2313	2318	rVV2	48534	73622	1.81%	0.121%
26	16.630	2368	2373	2380	rVB	121991	180617	4.44%	0.296%
27	16.724	2380	2389	2395	rBV2	87975	191969	4.72%	0.315%
28	16.789	2395	2400	2405	rVV	138313	180165	4.43%	0.295%
29	16.971	2420	2431	2434	rBV	519043	753681	18.54%	1.235%
30	17.018	2434	2439	2445	rVV	2611223	3671761	90.31%	6.018%
31	17.071	2445	2448	2449	rVV	66919	75350	1.85%	0.123%
32	17.100	2449	2453	2459	rVV	495304	713690	17.55%	1.170%
33	17.165	2459	2464	2469	rVB2	60360	99865	2.46%	0.164%
34	17.347	2489	2495	2497	rBV	56124	79663	1.96%	0.131%

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Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.382	2497	2501	2512	rVV	230027	378841	9.32%	0.621%
36	17.488	2515	2519	2525	rVV4	59770	94145	2.32%	0.154%
37	17.553	2525	2530	2538	rVB5	52719	91758	2.26%	0.150%
38	17.841	2571	2579	2583	rBV	316896	486967	11.98%	0.798%
39	17.894	2583	2588	2594	rVV	463763	725427	17.84%	1.189%
40	17.970	2596	2601	2606	rVB	150263	224095	5.51%	0.367%
41	18.040	2606	2613	2617	rBV2	415221	779576	19.17%	1.278%
42	18.076	2617	2619	2626	rVB	229714	275826	6.78%	0.452%
43	18.158	2627	2633	2637	rBV2	51092	80110	1.97%	0.131%
44	18.352	2661	2666	2670	rVV	239583	313963	7.72%	0.515%
45	18.393	2670	2673	2678	rVB	149516	194598	4.79%	0.319%
46	18.599	2700	2708	2712	rBV	89422	157290	3.87%	0.258%
47	18.646	2712	2716	2720	rVV	75005	96611	2.38%	0.158%
48	18.687	2720	2723	2727	rVB	74172	92513	2.28%	0.152%
49	18.769	2727	2737	2744	rBV	174503	385134	9.47%	0.631%
50	18.834	2744	2748	2751	rVV3	99824	184413	4.54%	0.302%
51	18.863	2751	2753	2757	rVV	71664	76307	1.88%	0.125%
52	18.910	2757	2761	2769	rVB2	157090	271574	6.68%	0.445%
53	19.039	2776	2783	2789	rBV	3170042	4065795	100.00%	6.664%
54	19.133	2796	2799	2805	rVV2	77415	93176	2.29%	0.153%
55	19.239	2812	2817	2820	rBV4	49614	94092	2.31%	0.154%
56	19.280	2820	2824	2828	rVB	87162	115219	2.83%	0.189%
57	19.374	2834	2840	2841	rBV	519749	717463	17.65%	1.176%
58	19.404	2841	2845	2852	rVV	2864893	3740105	91.99%	6.130%
59	19.468	2852	2856	2864	rVB3	149012	254705	6.26%	0.417%
60	19.609	2870	2880	2884	rBV	2431788	3309122	81.39%	5.423%
61	19.639	2884	2885	2890	rVB	157214	170441	4.19%	0.279%
62	19.733	2894	2901	2906	rBV3	200437	488517	12.02%	0.801%
63	19.862	2917	2923	2924	rVV2	162599	239592	5.89%	0.393%
64	19.891	2925	2928	2934	rVB	341957	515995	12.69%	0.846%
65	19.997	2942	2946	2949	rBV	170350	198337	4.88%	0.325%
66	20.056	2949	2956	2959	rVV2	280090	472989	11.63%	0.775%
67	20.091	2959	2962	2966	rVB	83445	96727	2.38%	0.159%
68	20.132	2966	2969	2974	rVB2	55674	71781	1.77%	0.118%
69	20.191	2975	2979	2983	rBV	190099	249016	6.12%	0.408%
70	20.238	2983	2987	2991	rVB	197928	262954	6.47%	0.431%
71	20.355	3005	3007	3011	rVB2	55173	64596	1.59%	0.106%

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72	20.455	3019	3024	3026	rBV4	43931	81939	2.02%	0.134%
73	20.643	3052	3056	3062	rVB	266676	366875	9.02%	0.601%
74	20.808	3077	3084	3087	rBV2	224799	411287	10.12%	0.674%
75	20.843	3087	3090	3093	rVV	270109	361146	8.88%	0.592%
76	20.878	3093	3096	3102	rVV3	296366	632456	15.56%	1.037%
77	20.937	3103	3106	3117	rVB	270900	417113	10.26%	0.684%
78	21.049	3117	3125	3127	rBV	72167	163993	4.03%	0.269%
79	21.149	3133	3142	3147	rBV3	1685997	3289284	80.90%	5.391%
80	21.196	3147	3150	3160	rVB	1464391	1915317	47.11%	3.139%
81	21.313	3166	3170	3176	rBV	186527	252336	6.21%	0.414%
82	21.472	3192	3197	3201	rBV2	154617	251774	6.19%	0.413%
83	21.513	3201	3204	3208	rVB5	58394	71881	1.77%	0.118%
84	21.642	3223	3226	3229	rBV2	68236	79411	1.95%	0.130%
85	21.695	3229	3235	3239	rVV	266875	388874	9.56%	0.637%
86	21.748	3241	3244	3249	rVB	162154	207790	5.11%	0.341%
87	21.812	3252	3255	3258	rVV2	70737	74915	1.84%	0.123%
88	21.889	3265	3268	3271	rBV2	111578	156259	3.84%	0.256%
89	21.989	3280	3285	3289	rBV2	95969	147720	3.63%	0.242%
90	22.183	3312	3318	3322	rBV5	95206	203645	5.01%	0.334%
91	22.453	3359	3364	3370	rBV3	77100	151786	3.73%	0.249%
92	22.700	3399	3406	3411	rBV	959936	2312054	56.87%	3.789%
93	22.864	3429	3434	3439	rBV	177755	274242	6.75%	0.449%
94	22.993	3452	3456	3464	rBV4	60765	151708	3.73%	0.249%
95	23.170	3480	3486	3495	rVB	608760	1141393	28.07%	1.871%
96	23.264	3495	3502	3509	rBV	876822	1593414	39.19%	2.611%
97	23.358	3512	3518	3522	rVV2	421656	818701	20.14%	1.342%
98	23.405	3522	3526	3534	rVB2	267769	519927	12.79%	0.852%
99	25.579	3888	3896	3905	rBV2	274706	805196	19.80%	1.320%
100	26.266	4005	4013	4032	rBV3	172261	629976	15.49%	1.032%

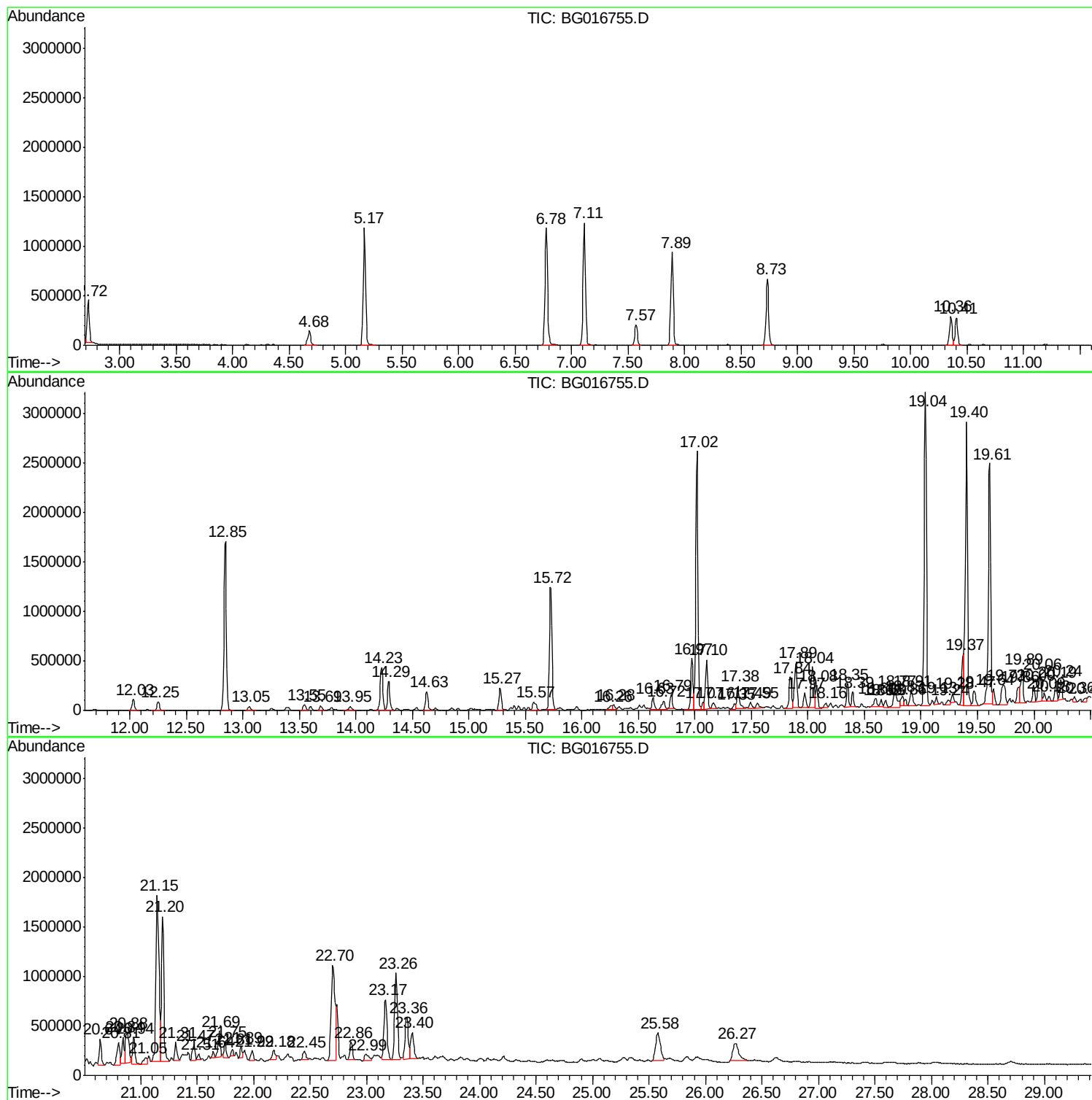
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG042315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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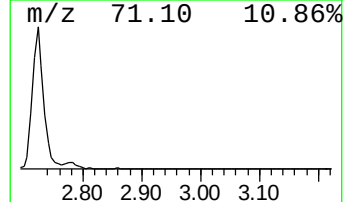
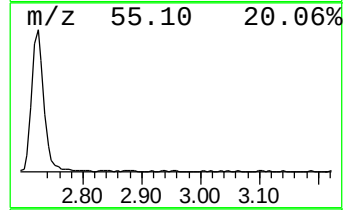
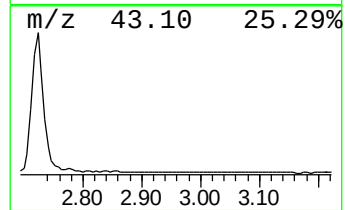
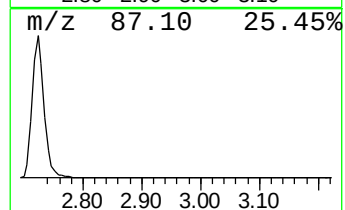
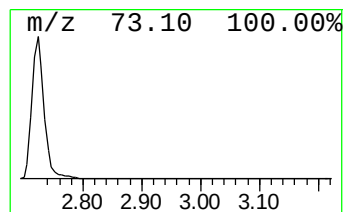
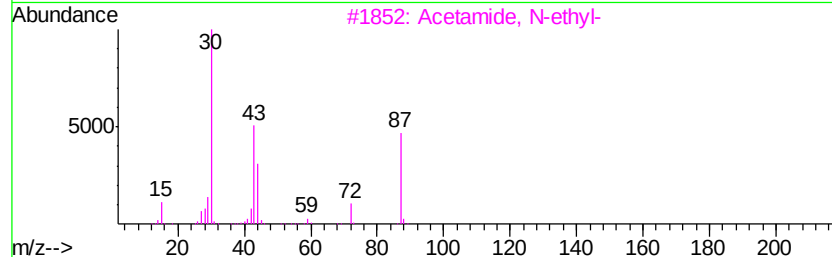
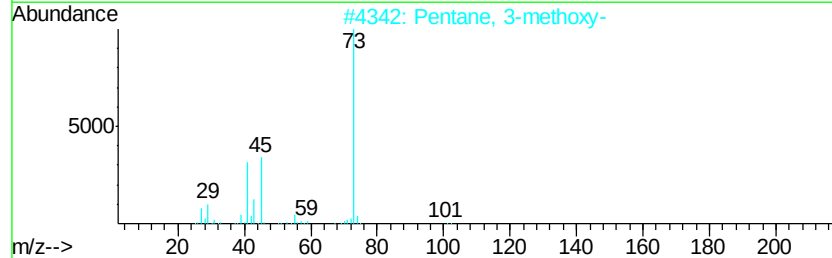
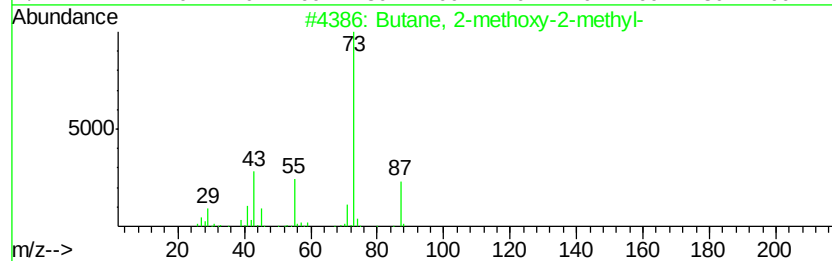
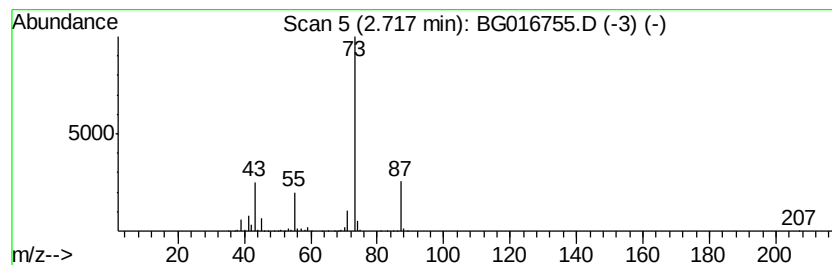
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG042315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.72	34.76 ng	561983	1,4-Dichlorobenzene-d4	7.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	90
2		Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
3		Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
4		N-Ethylformamide	73	C3H7NO	000627-45-2	9
5		1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9



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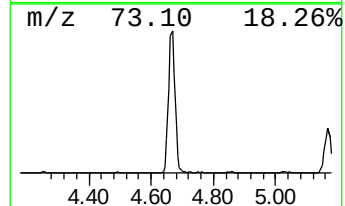
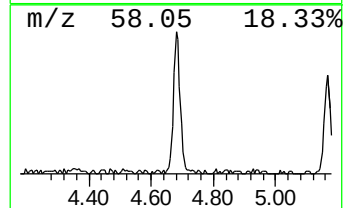
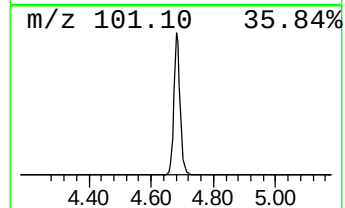
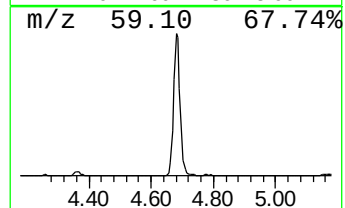
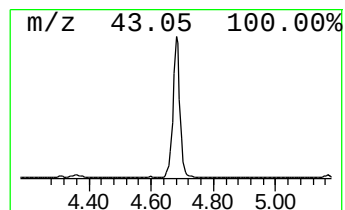
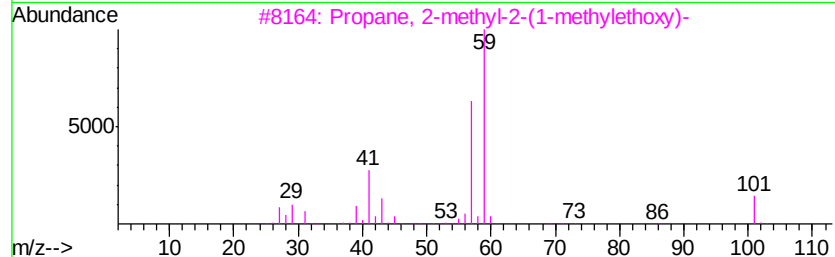
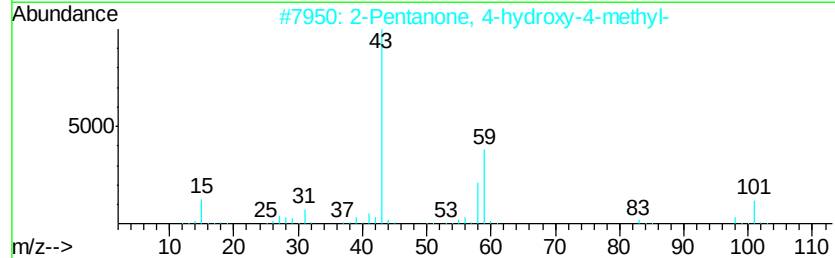
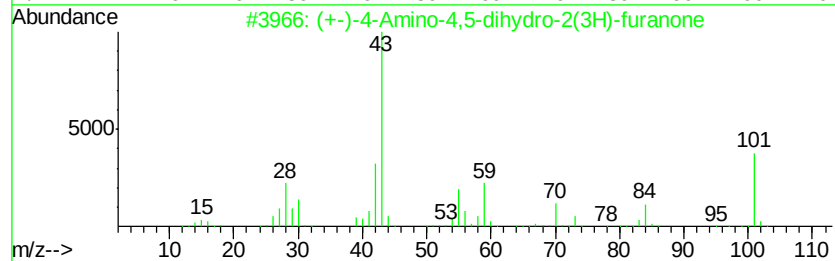
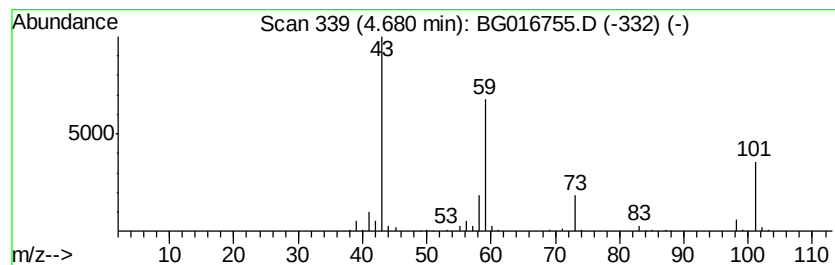
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown4.68 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.68	15.90 ng	257108	1,4-Dichlorobenzene-d4	7.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	(+)-	4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	47
2		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
3		Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	25
4		4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	25
5		Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	17



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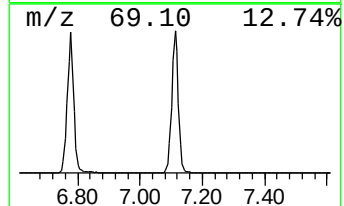
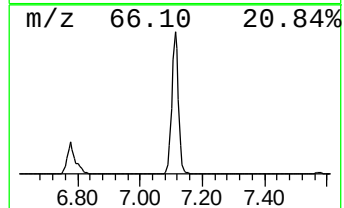
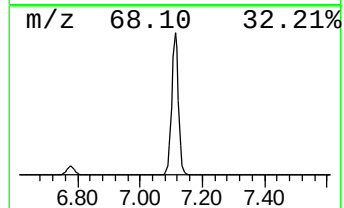
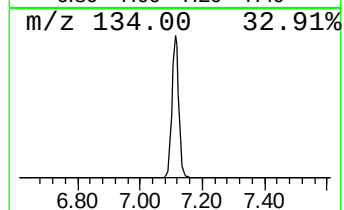
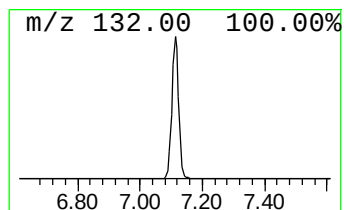
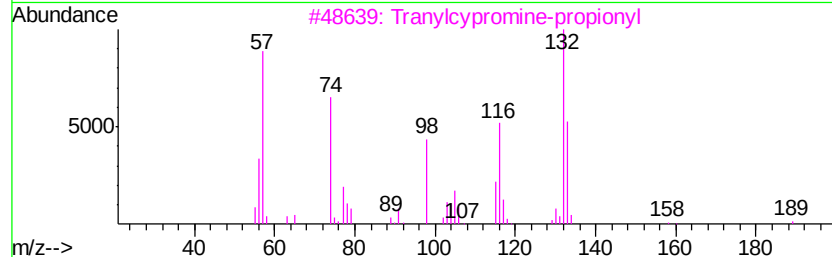
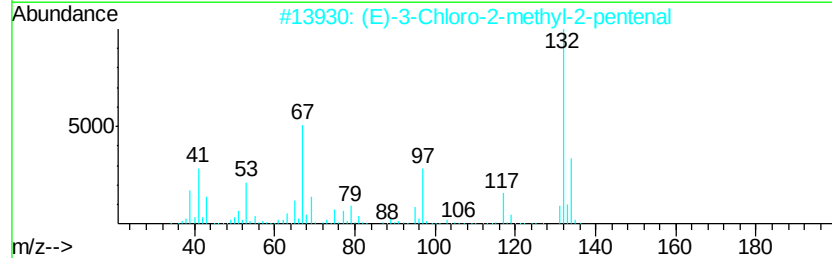
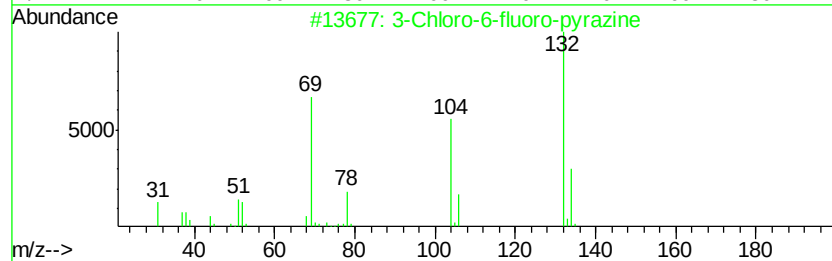
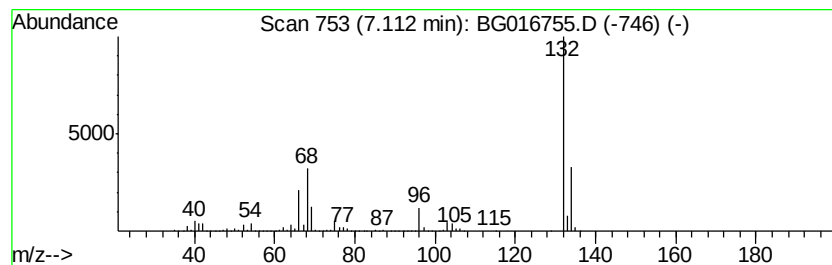
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Peak Number 3 unknown7.11 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	117.90 ng	1906190	1,4-Dichlorobenzene-d4	7.57

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	35
3		Tranvlcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



Data Path : Z:\HPCHEM1\BNA G\DATA\BG042715\
Data File : BG016755.D
Acq On : 28 Apr 2015 6:19
Operator : TP/IZ
Sample : G1991-15
Misc :
ALS Vial : 24 Sample Multiplier: 1

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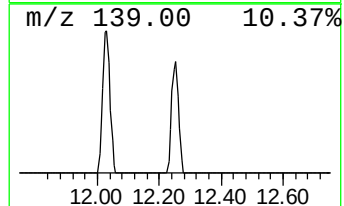
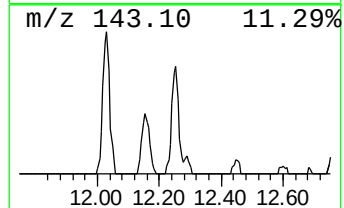
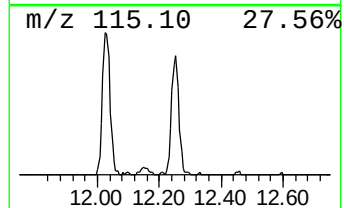
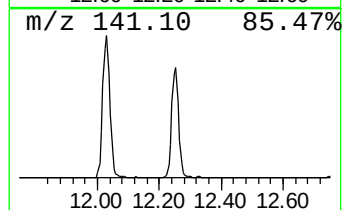
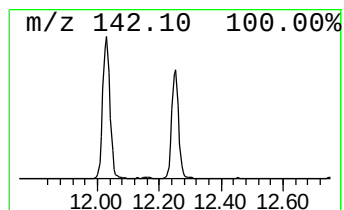
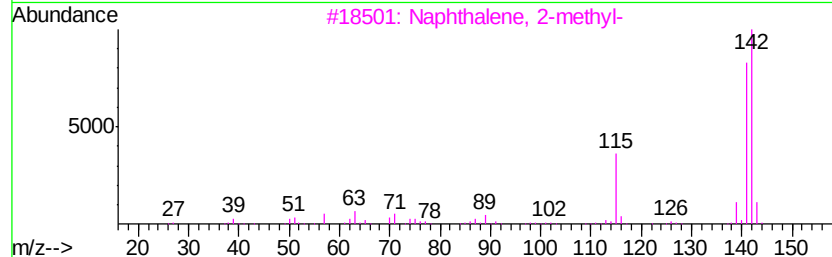
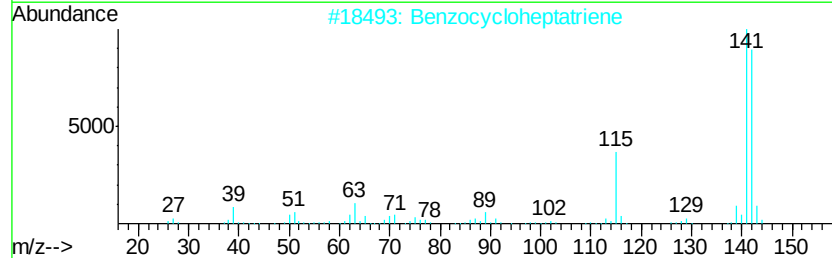
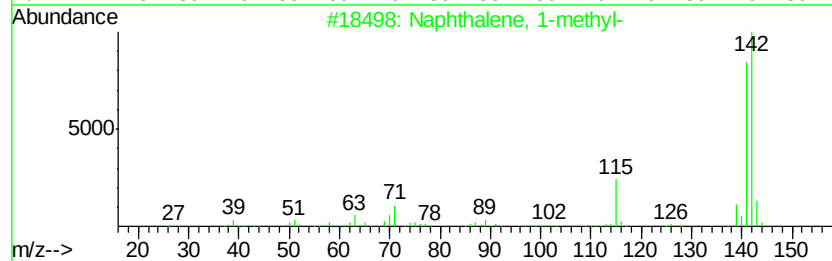
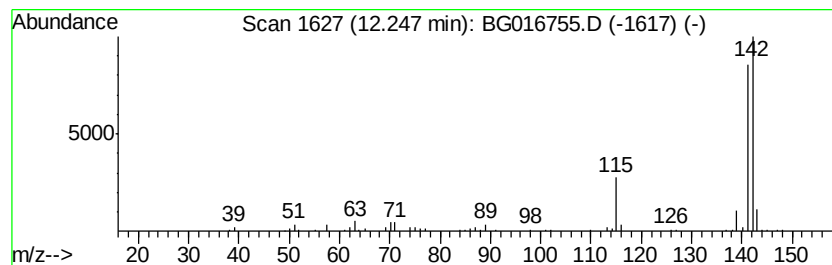
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	5.70 ng	136189	Naphthalene-d8	10.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
2		Benzocycloheptatriene	142	C11H10	000264-09-5	91
3		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	90
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	59



Data Path : Z:\HPCHEM1\BNA G\DATA\BG042715\
Data File : BG016755.D
Acq On : 28 Apr 2015 6:19
Operator : TP/IZ
Sample : G1991-15
Misc :
ALS Vial : 24 Sample Multiplier: 1

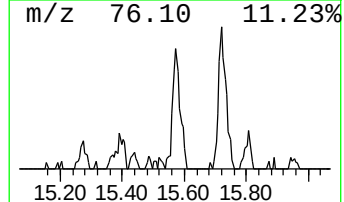
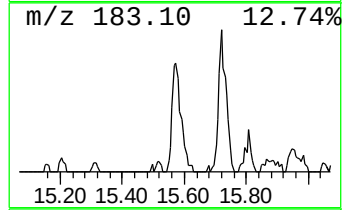
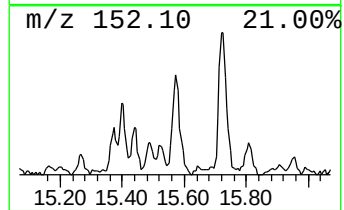
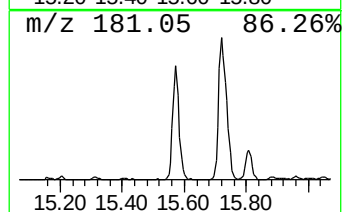
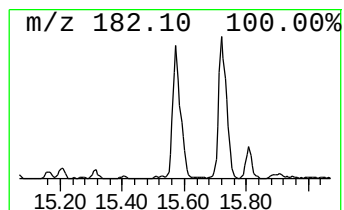
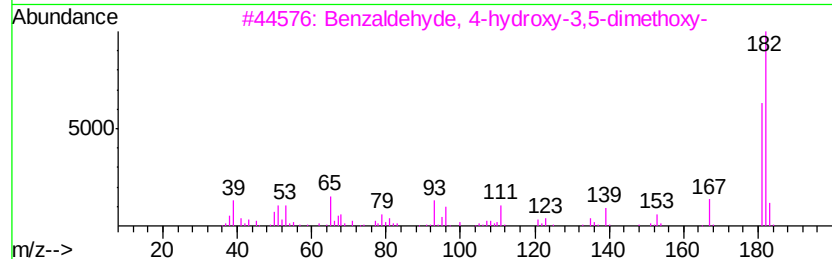
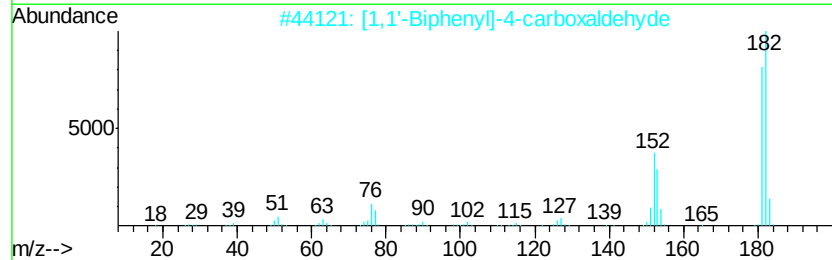
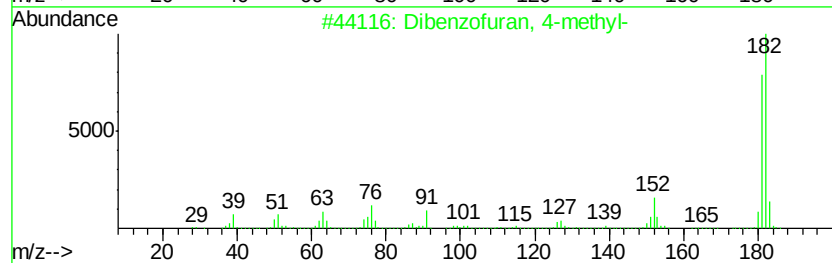
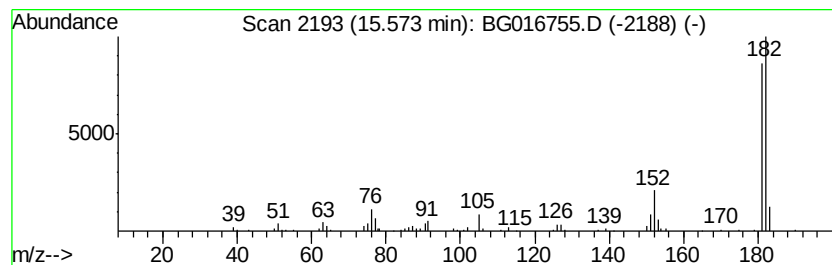
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Dibenzofuran, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	5.50 ng	188175	Acenaphthene-d10	14.23
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Dibenzofuran, 4-methyl-	182 C13H10O	007320-53-8 87
2		[1,1'-Biphenyl]-4-carboxaldehyde	182 C13H10O	003218-36-8 80
3		Benzaldehyde, 4-hydroxy-3,5-dime...	182 C9H10O4	000134-96-3 64
4		Pyrido[2,3-d]indole, 6-methyl-	182 C12H10N2	108349-67-3 56
5		9H-Fluoren-9-ol	182 C13H10O	001689-64-1 56



Data Path : Z:\HPCHEM1\BNA G\DATA\BG042715\
Data File : BG016755.D
Acq On : 28 Apr 2015 6:19
Operator : TP/IZ
Sample : G1991-15
Misc :
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Instrument :
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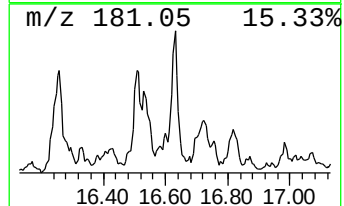
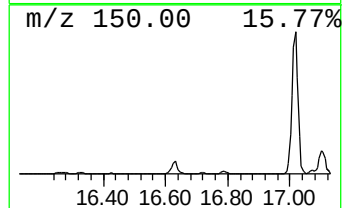
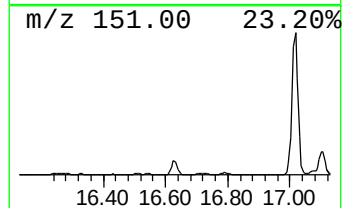
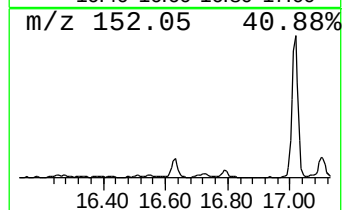
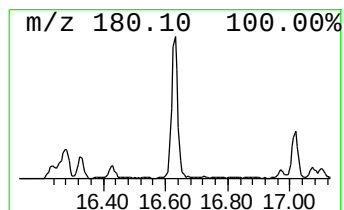
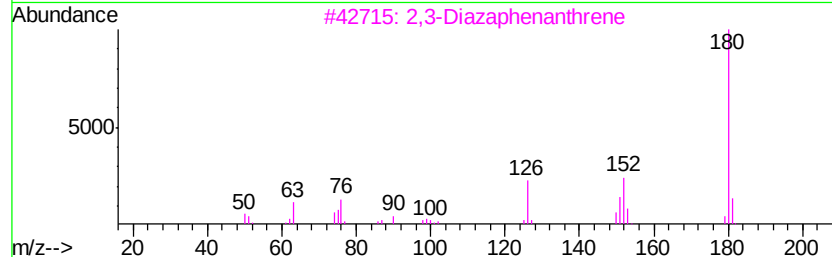
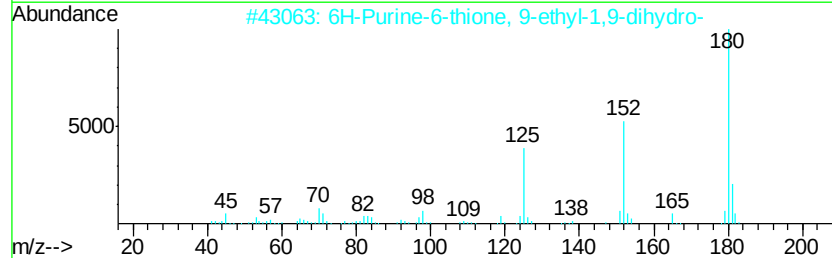
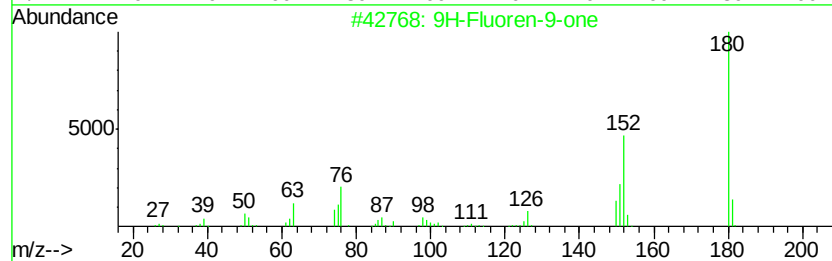
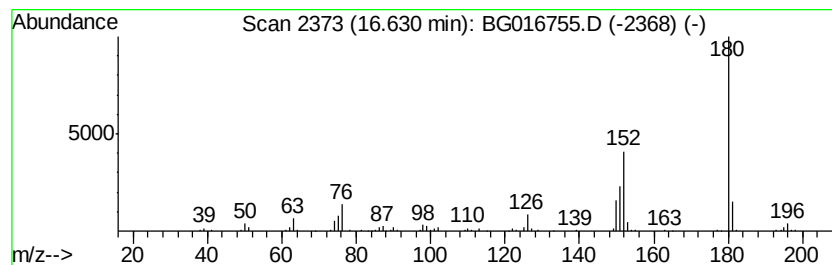
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9H-Fluoren-9-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	4.79 ng	180617	Phenanthrene-d10	16.97

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2		6H-Purine-6-thione, 9-ethyl-1,9-...	180	C7H8N4S	005427-20-3	53
3		2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	53
4		1H-Phenalen-1-one	180	C13H8O	000548-39-0	52
5		1,1'-Biphenyl, 4-ethenyl-	180	C14H12	002350-89-2	50



Data Path : Z:\HPCHEM1\BNA G\DATA\BG042715\
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Sample : G1991-15
Misc :
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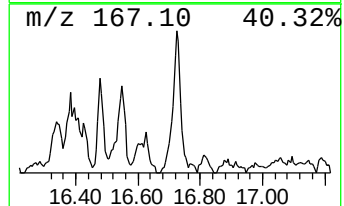
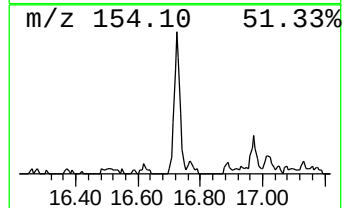
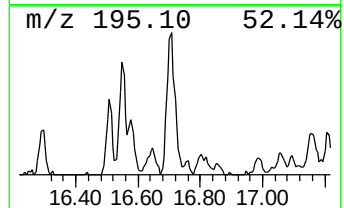
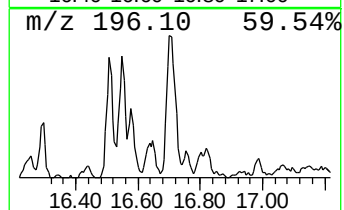
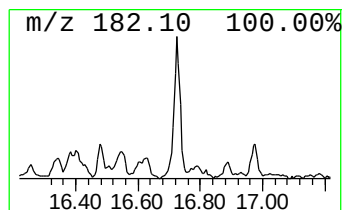
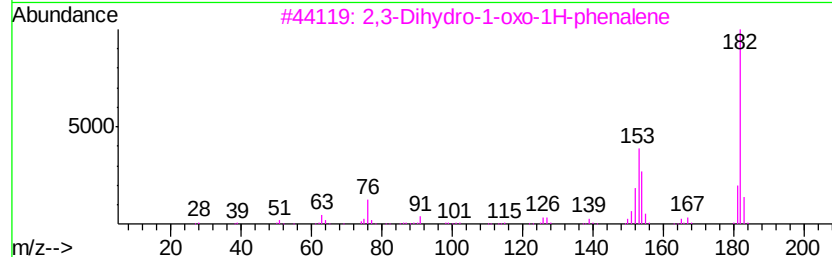
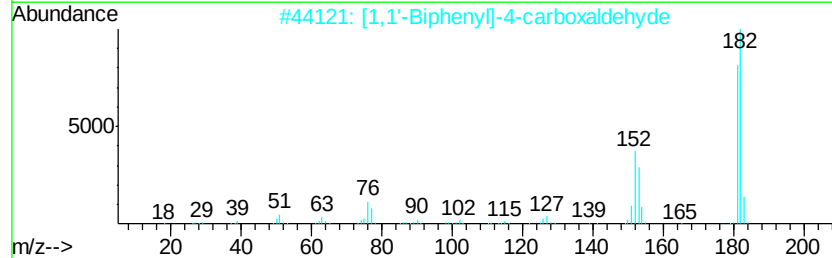
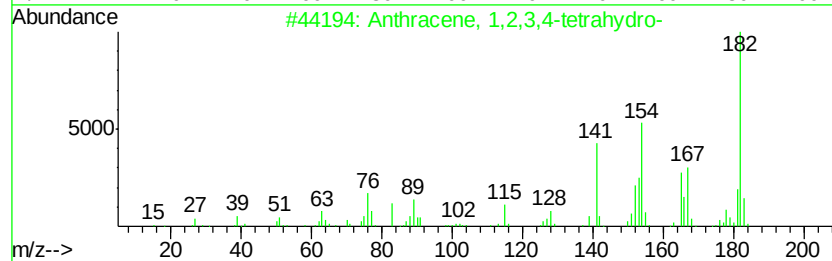
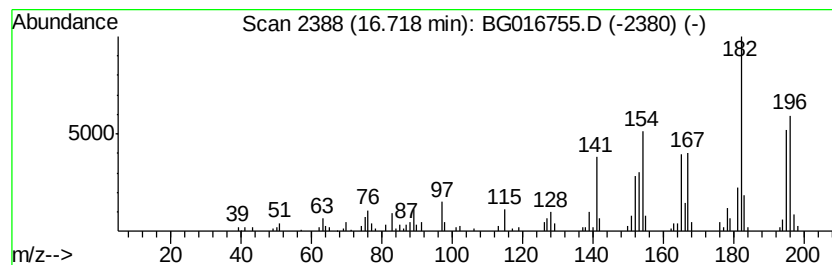
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.72	5.09 ng	191969	Phenanthrene-d10	16.97	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	98
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	50
3	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	50
4	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	50
5	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	49



Data Path : Z:\HPCHEM1\BNA G\DATA\BG042715\
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Misc :
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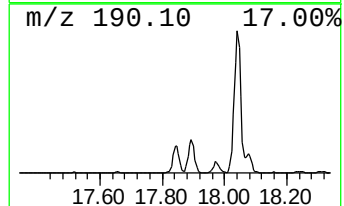
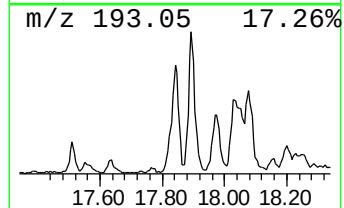
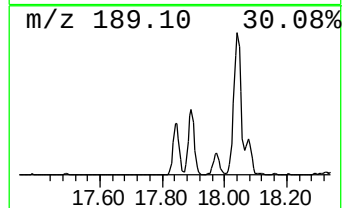
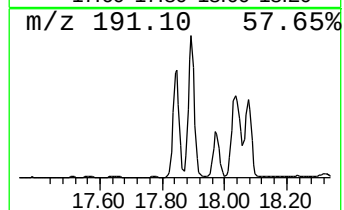
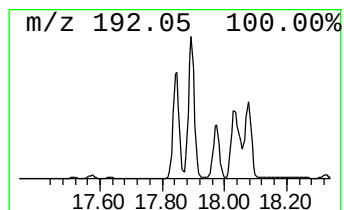
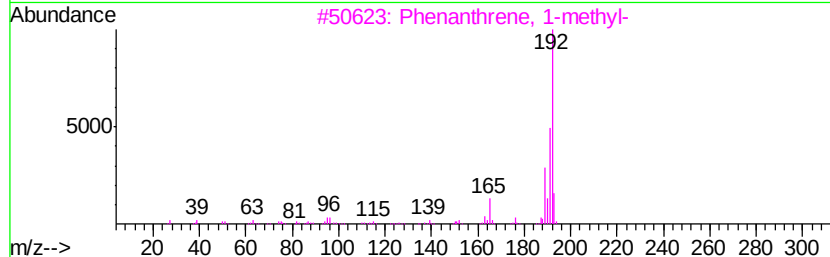
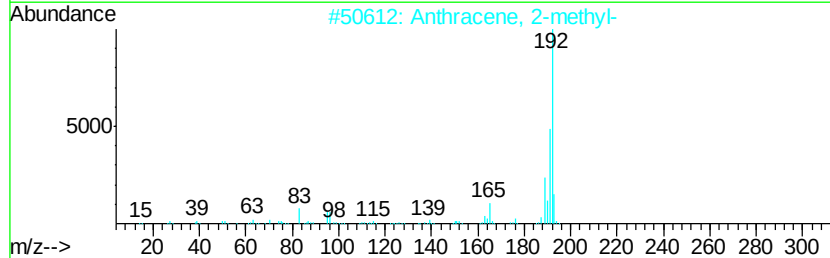
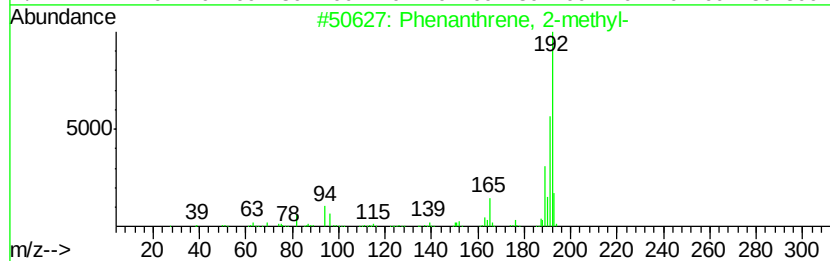
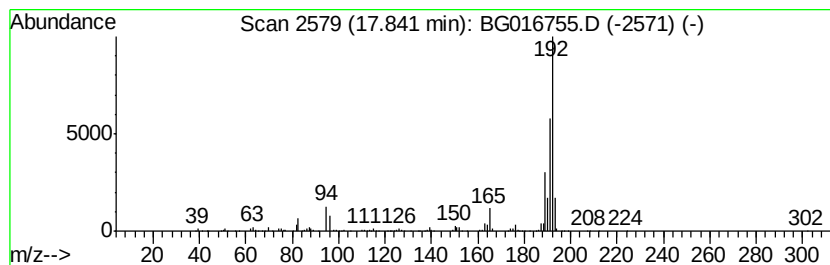
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.84	12.92 ng	486967	Phenanthrene-d10	16.97	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
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\BG042715\
Data File : BG016755.D
Acq On : 28 Apr 2015 6:19
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ClientSampleId :
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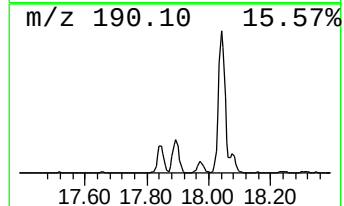
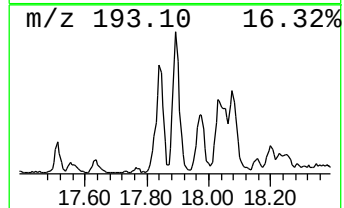
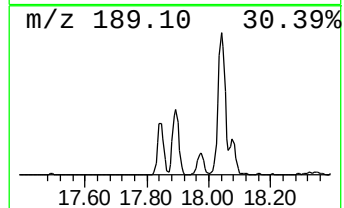
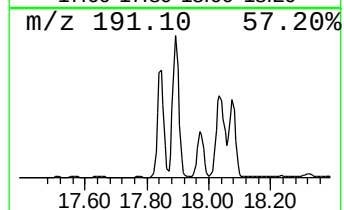
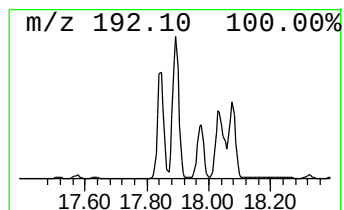
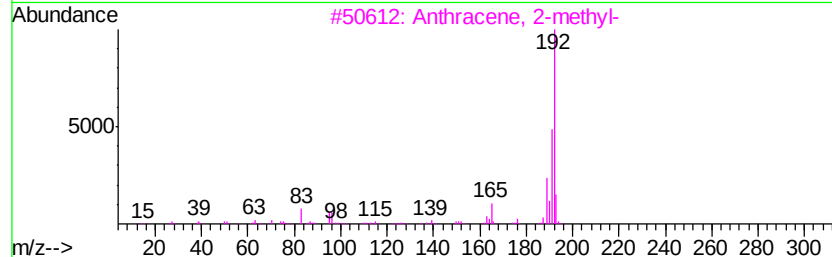
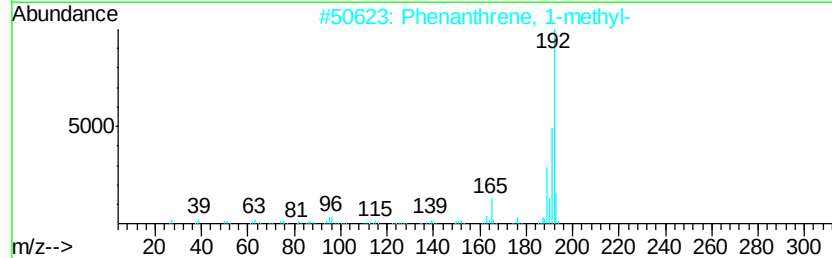
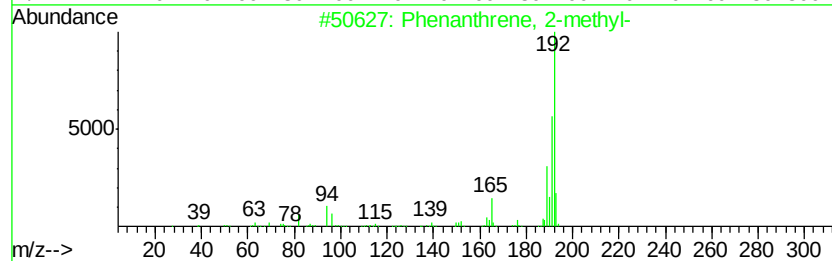
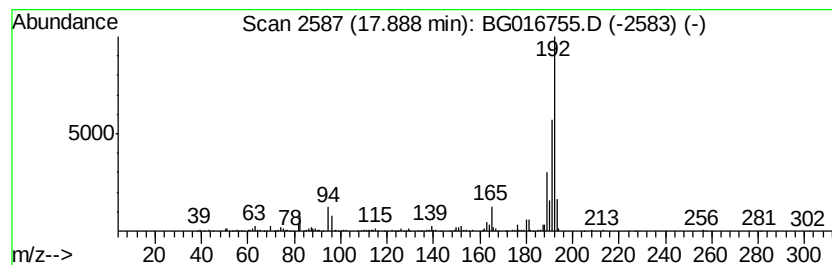
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	19.25 ng	725427	Phenanthrene-d10	16.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95



Data Path : Z:\HPCHEM1\BNA G\DATA\BG042715\
Data File : BG016755.D
Acq On : 28 Apr 2015 6:19
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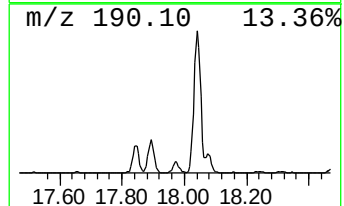
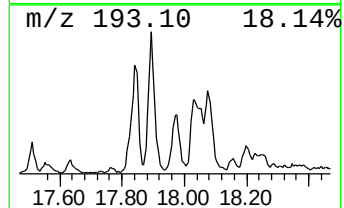
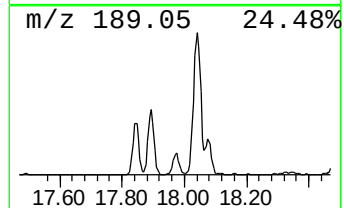
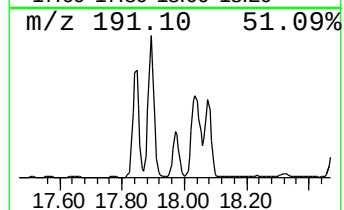
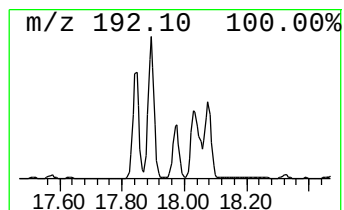
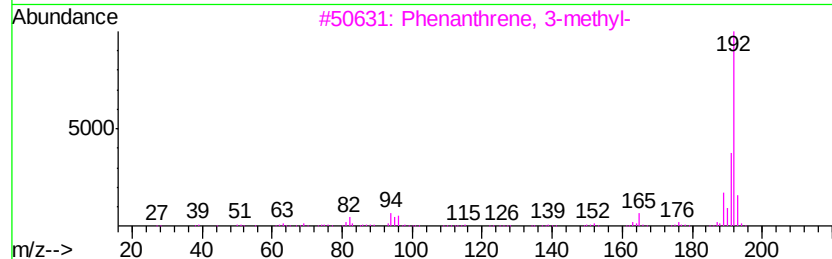
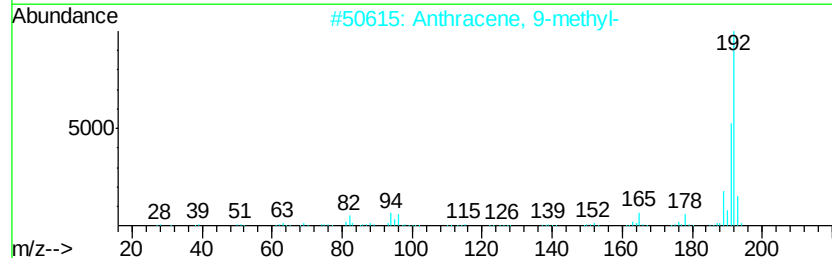
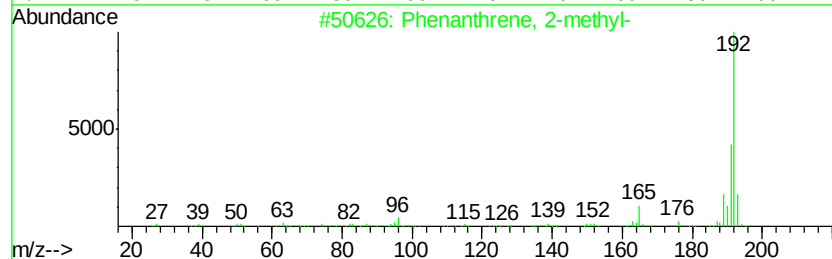
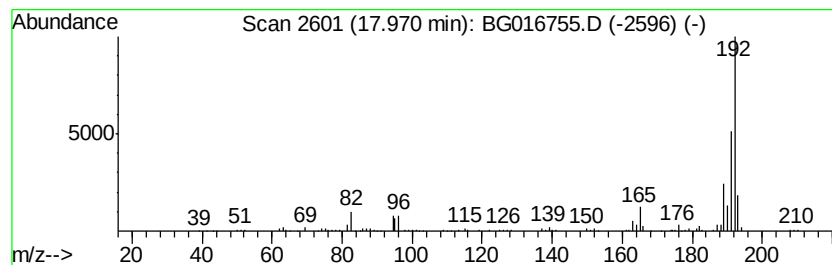
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Anthracene, 9-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	5.95 ng	224095	Phenanthrene-d10	16.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2			Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3			Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
4			Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93



Data Path : Z:\HPCHEM1\BNA G\DATA\BG042715\
Data File : BG016755.D
Acq On : 28 Apr 2015 6:19
Operator : TP/IZ
Sample : G1991-15
Misc :
ALS Vial : 24 Sample Multiplier: 1

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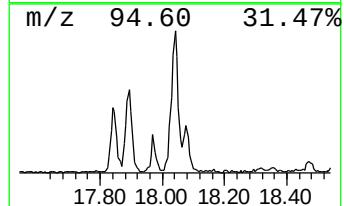
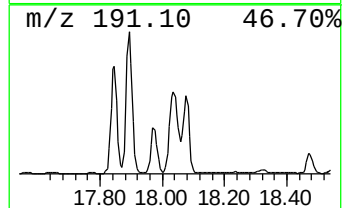
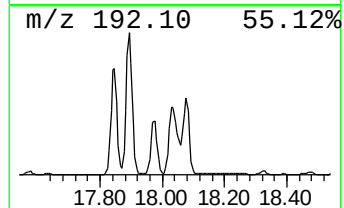
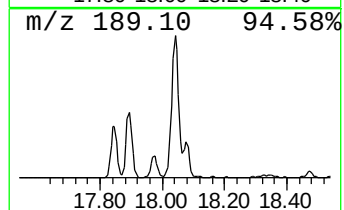
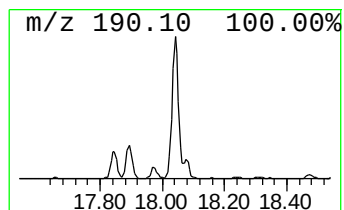
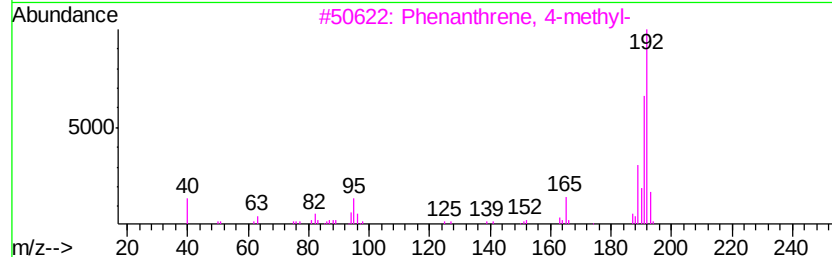
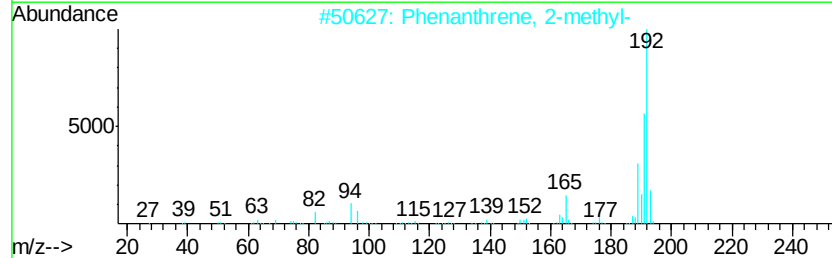
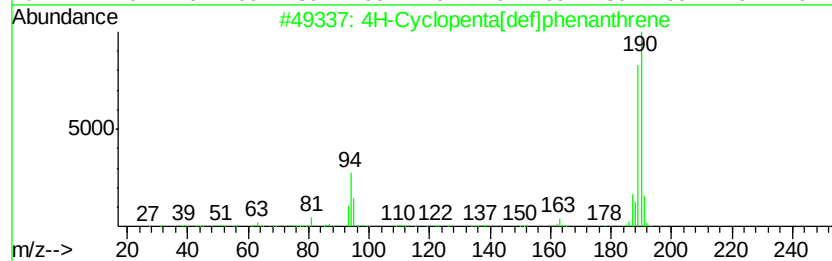
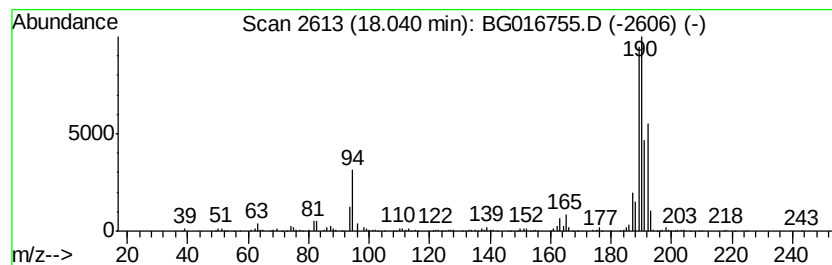
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	20.69 ng	779576	Phenanthrene-d10	16.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	38
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	35
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25



Data Path : Z:\HPCHEM1\BNA G\DATA\BG042715\
Data File : BG016755.D
Acq On : 28 Apr 2015 6:19
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Misc :
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Instrument :
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ClientSampleId :
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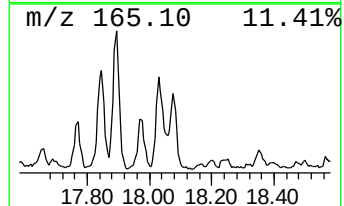
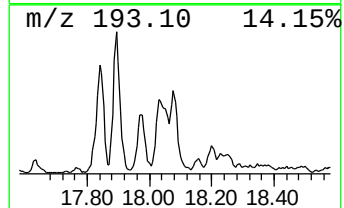
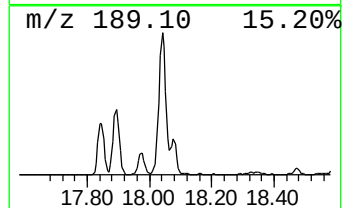
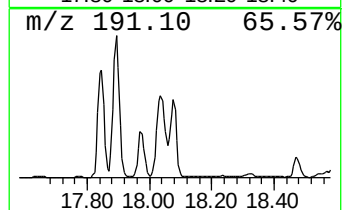
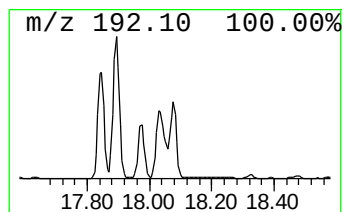
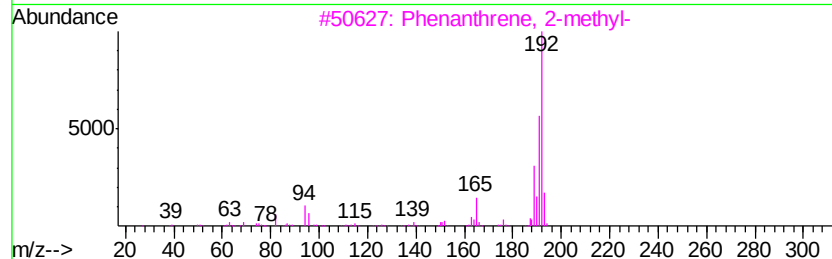
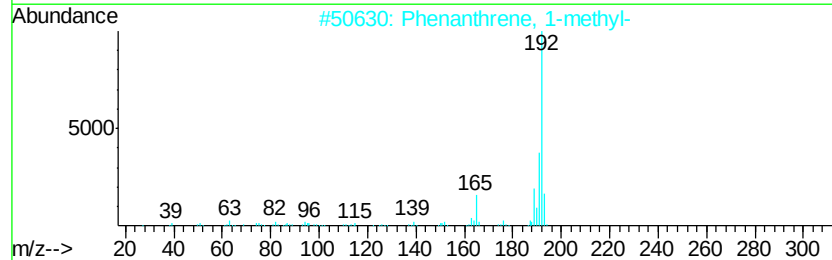
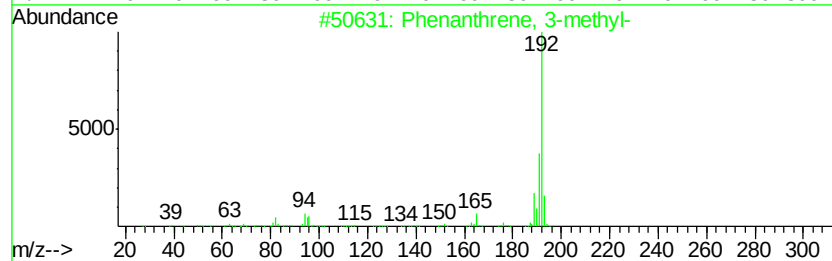
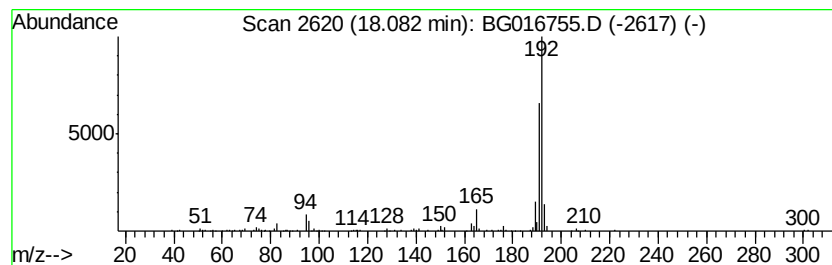
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	7.32 ng	275826	Phenanthrene-d10	16.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	81



Data Path : Z:\HPCHEM1\BNA G\DATA\BG042715\
Data File : BG016755.D
Acq On : 28 Apr 2015 6:19
Operator : TP/IZ
Sample : G1991-15
Misc :
ALS Vial : 24 Sample Multiplier: 1

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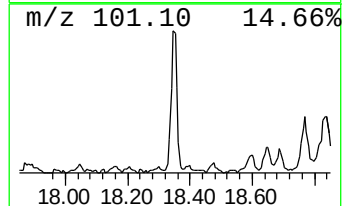
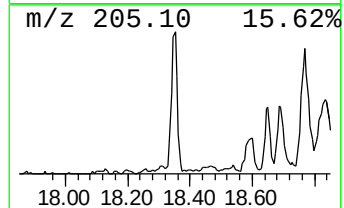
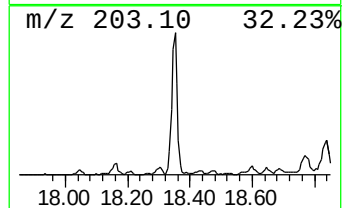
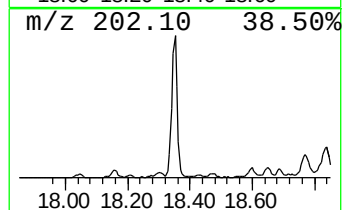
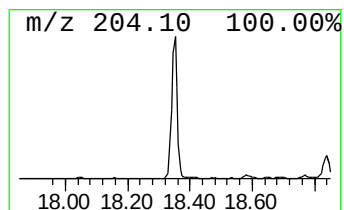
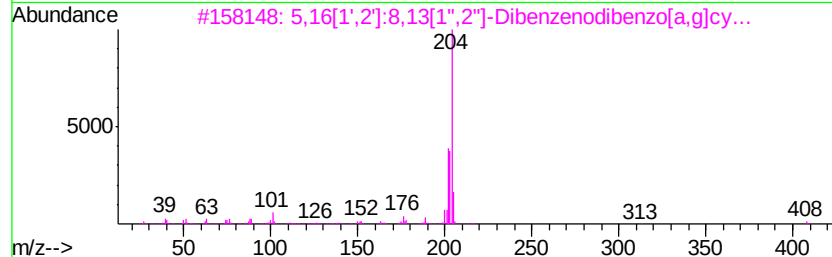
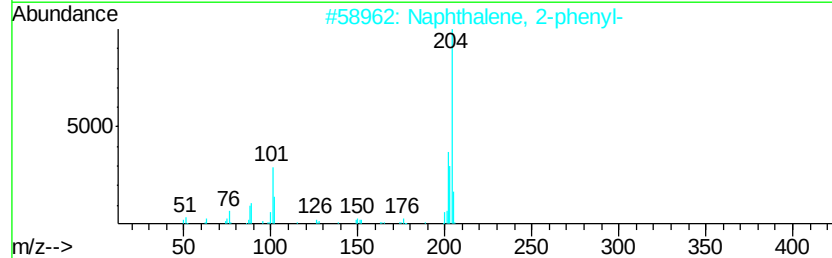
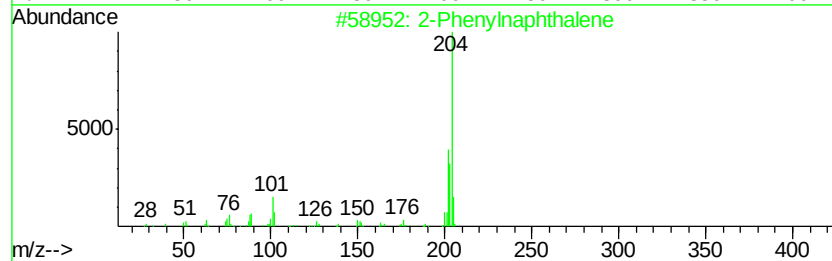
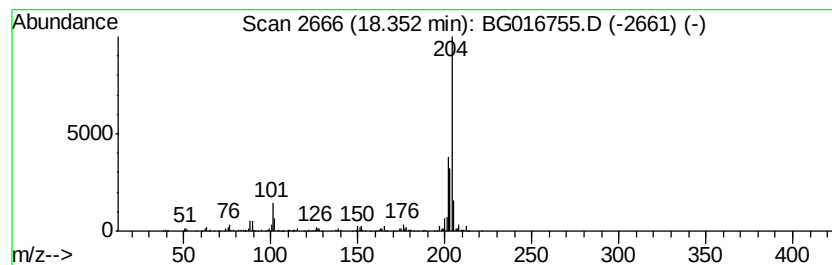
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 2-Phenylnaphthalene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	8.33 ng	313963	Phenanthrene-d10	16.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Phenylnaphthalene	204	C16H12	035465-71-5	94
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
3		5,16[1',2']8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62



Data Path : Z:\HPCHEM1\BNA G\DATA\BG042715\
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Misc :
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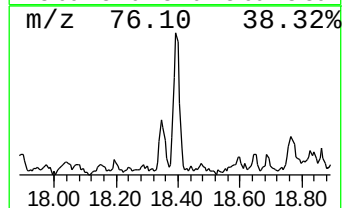
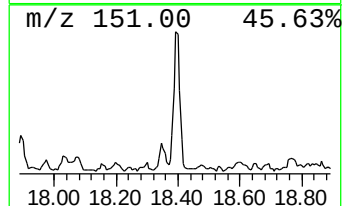
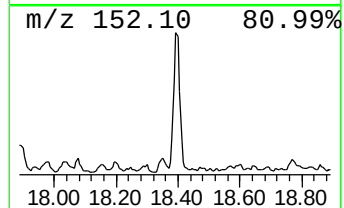
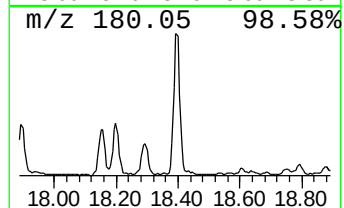
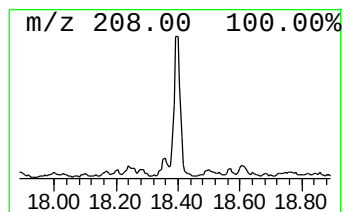
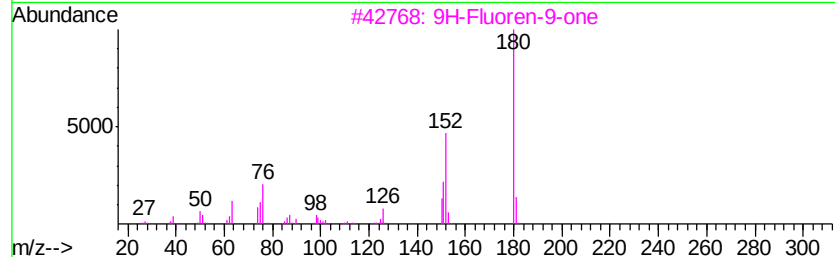
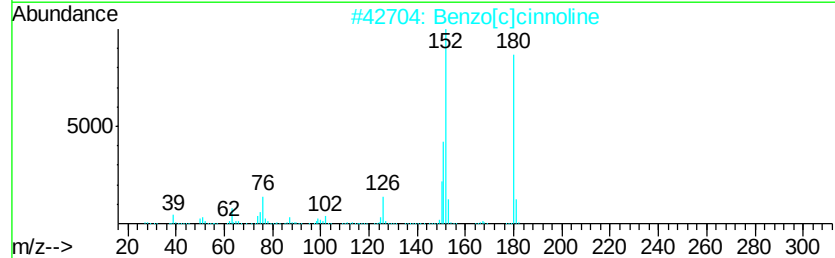
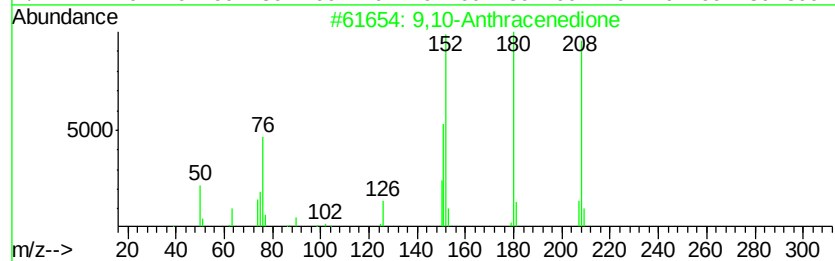
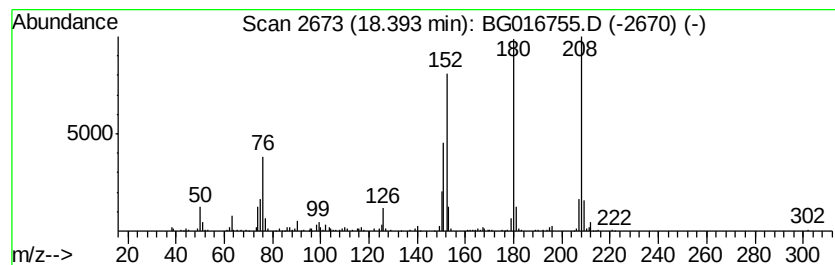
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	5.16 ng	194598	Phenanthrene-d10	16.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3			9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
4			5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	60
5			1H-Phenalen-1-one	180	C13H8O	000548-39-0	53



Data Path : Z:\HPCHEM1\BNA G\DATA\BG042715\
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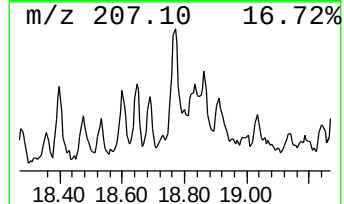
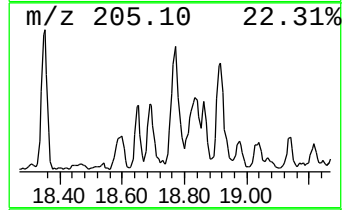
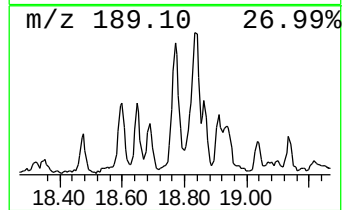
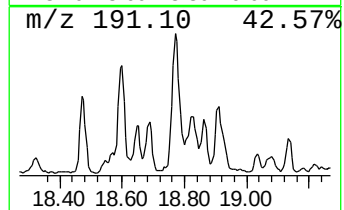
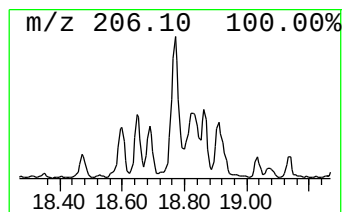
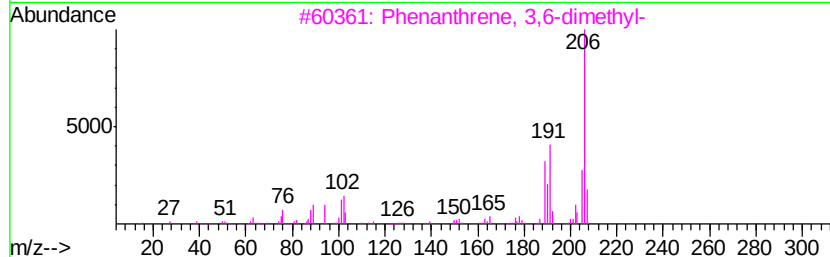
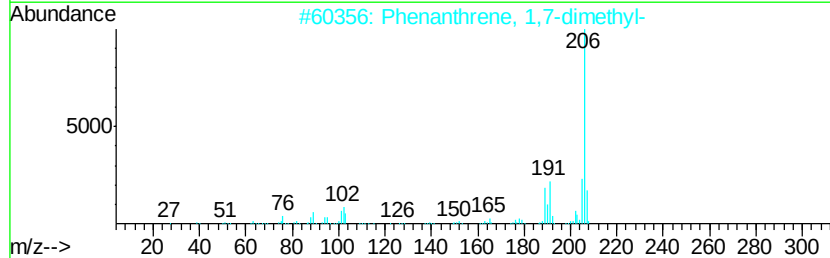
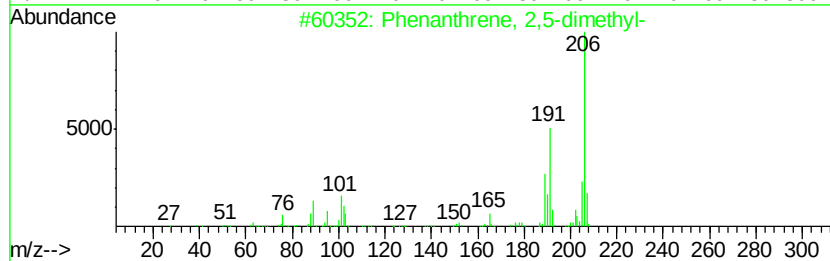
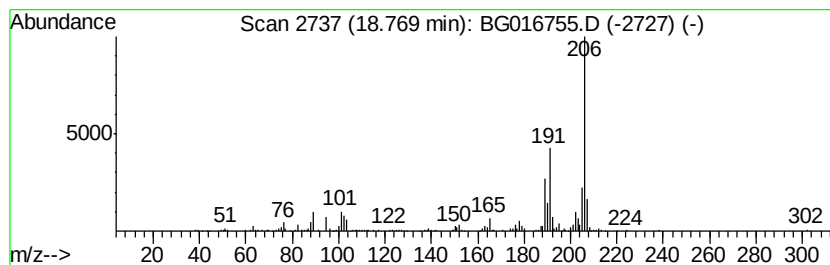
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	10.22 ng	385134	Phenanthrene-d10	16.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	94



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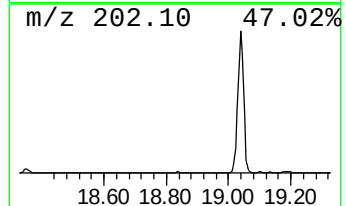
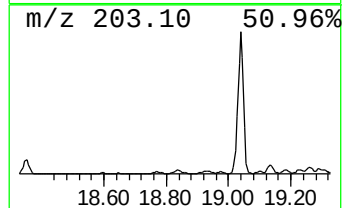
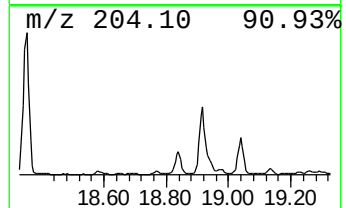
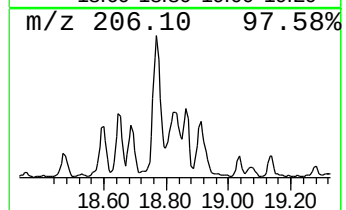
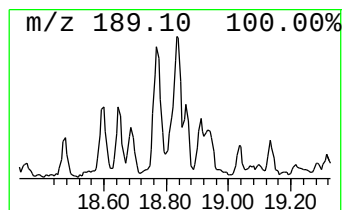
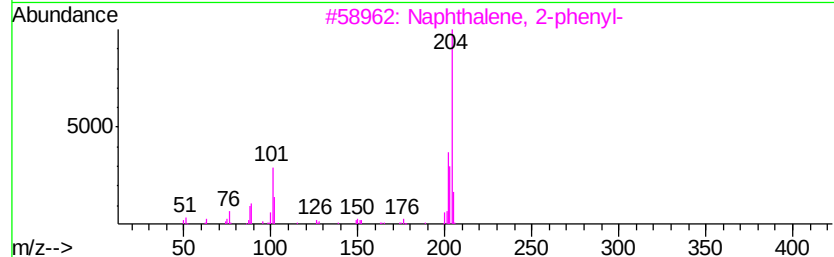
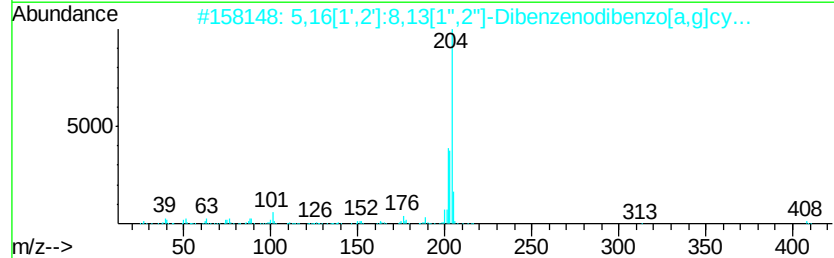
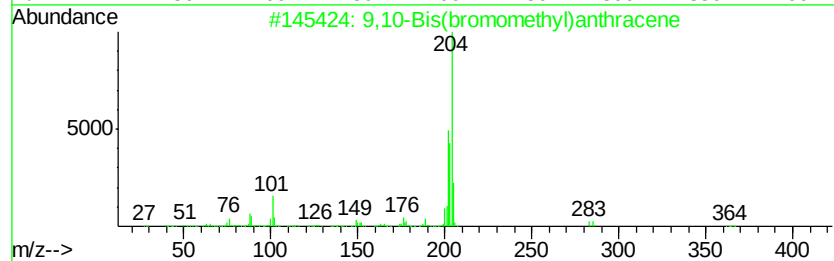
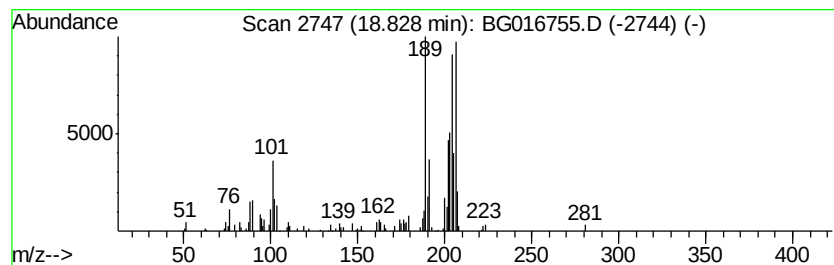
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 unknown18.83 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	4.89 ng	184413	Phenanthrene-d10	16.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	46
2			5,16[1',2'] :8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	43
3			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
4			2-Phenylnaphthalene	204	C16H12	035465-71-5	38
5			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	35



Data Path : Z:\HPCHEM1\BNA G\DATA\BG042715\
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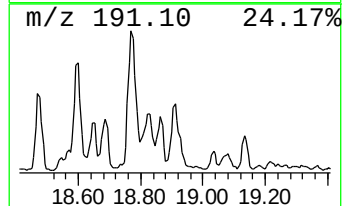
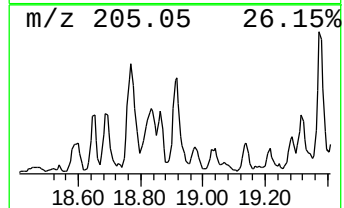
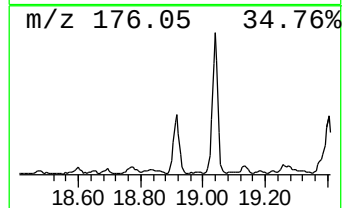
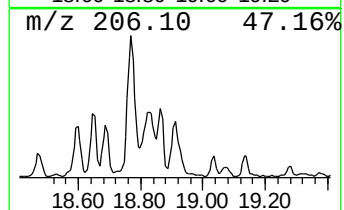
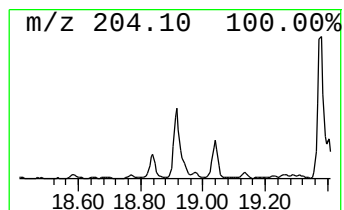
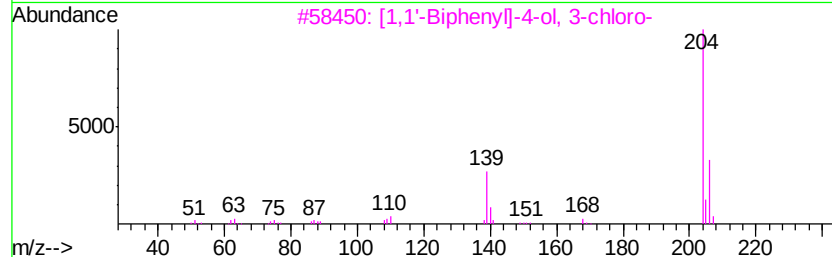
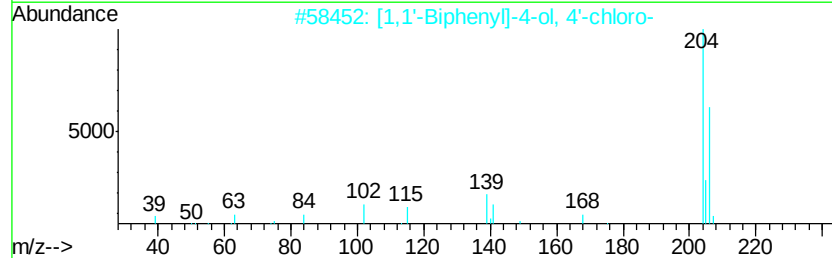
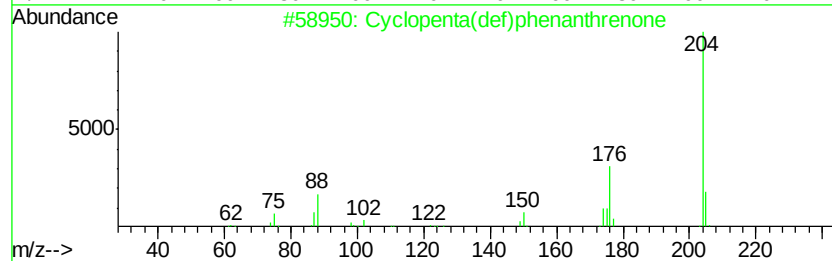
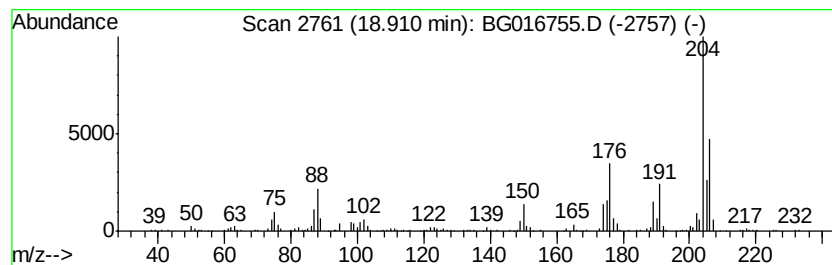
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG042315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	7.21 ng	271574	Phenanthrene-d10	16.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2		[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	47
3		[1,1'-Biphenyl]-4-ol, 3-chloro-	204	C12H9ClO	000092-04-6	43
4		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
5		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042715\
Data File : BG016755.D
Acq On : 28 Apr 2015 6:19
Operator : TP/IZ
Sample : G1991-15
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-64S

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.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
Butane, 2-methoxy...	2.72	34.8	ng	561983	1	7.57	323363	20.0
unknown4.68	4.68	15.9	ng	257108	1	7.57	323363	20.0
unknown7.11	7.11	117.9	ng	1906190	1	7.57	323363	20.0
Naphthalene, 1-me...	12.25	5.7	ng	136189	2	10.36	477488	20.0
Dibenzofuran, 4-m...	15.57	5.5	ng	188175	3	14.23	684036	20.0
9H-Fluoren-9-one	16.63	4.8	ng	180617	4	16.97	753681	20.0
Anthracene, 1,2,3...	16.72	5.1	ng	191969	4	16.97	753681	20.0
Phenanthrene, 2-m...	17.84	12.9	ng	486967	4	16.97	753681	20.0
Phenanthrene, 1-m...	17.89	19.3	ng	725427	4	16.97	753681	20.0
Anthracene, 9-met...	17.97	6.0	ng	224095	4	16.97	753681	20.0
4H-Cyclopenta[def...	18.04	20.7	ng	779576	4	16.97	753681	20.0
Phenanthrene, 3-m...	18.08	7.3	ng	275826	4	16.97	753681	20.0
2-Phenylnaphthalene	18.35	8.3	ng	313963	4	16.97	753681	20.0
9,10-Anthracenedione	18.39	5.2	ng	194598	4	16.97	753681	20.0
Phenanthrene, 2,5...	18.77	10.2	ng	385134	4	16.97	753681	20.0
unknown18.83	18.83	4.9	ng	184413	4	16.97	753681	20.0
Cyclopenta(def)ph...	18.91	7.2	ng	271574	4	16.97	753681	20.0