

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
 Data File : BG017546.D
 Acq On : 8 Jun 2015 16:54
 Operator : TP/IZ
 Sample : G2464-14
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-13DS

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-BG060315.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	2.749	5	10	16	rVV	52714	71864	4.94%	0.510%
2	4.711	338	344	351	rBV	37830	59049	4.06%	0.419%
3	5.205	422	428	435	rBV	481726	699070	48.03%	4.956%
4	6.826	697	704	716	rBV	505174	789111	54.22%	5.595%
5	7.155	751	760	768	rBV	526639	801189	55.05%	5.681%
6	7.608	831	837	846	rVB	104111	160766	11.05%	1.140%
7	7.925	884	891	897	rBV	360844	577746	39.70%	4.096%
8	7.978	897	900	904	rVB2	11927	16690	1.15%	0.118%
9	8.777	1029	1036	1043	rBV	321422	515677	35.43%	3.656%
10	10.404	1303	1313	1317	rBV	134232	226665	15.57%	1.607%
11	10.457	1317	1322	1329	rVB	185355	307711	21.14%	2.182%
12	12.079	1590	1598	1605	rBV	67207	107151	7.36%	0.760%
13	12.302	1630	1636	1644	rBV	61662	97131	6.67%	0.689%
14	12.896	1728	1737	1745	rBV	772697	1088573	74.80%	7.718%
15	13.107	1768	1773	1780	rBV	27584	40591	2.79%	0.288%
16	13.307	1800	1807	1819	rVB3	19732	36304	2.49%	0.257%
17	13.436	1825	1829	1831	rBV3	13420	18081	1.24%	0.128%
18	13.595	1849	1856	1861	rBV4	21394	41453	2.85%	0.294%
19	13.648	1861	1865	1875	rVB3	15945	29014	1.99%	0.206%
20	13.742	1875	1881	1889	rVB	91227	132834	9.13%	0.942%
21	14.000	1923	1925	1931	rVB4	13192	16356	1.12%	0.116%
22	14.282	1962	1973	1978	rBV2	197019	313992	21.57%	2.226%
23	14.347	1978	1984	1993	rVB	91843	135957	9.34%	0.964%
24	14.488	2003	2008	2016	rBV5	7608	16556	1.14%	0.117%
25	14.682	2035	2041	2048	rVB2	26620	45231	3.11%	0.321%
26	15.064	2100	2106	2112	rBV7	9348	22622	1.55%	0.160%
27	15.140	2116	2119	2128	rVB5	14978	24027	1.65%	0.170%
28	15.222	2128	2133	2138	rBV6	10651	16756	1.15%	0.119%
29	15.334	2147	2152	2158	rVB	64403	83879	5.76%	0.595%
30	15.545	2184	2188	2192	rVB5	11421	14968	1.03%	0.106%
31	15.628	2198	2202	2211	rVB5	12102	20303	1.40%	0.144%
32	15.780	2217	2228	2235	rBV	658392	988803	67.94%	7.011%
33	16.004	2263	2266	2274	rVB5	16375	29169	2.00%	0.207%
34	16.344	2321	2324	2329	rVB5	13728	17529	1.20%	0.124%

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Integration Parameters: rteint.p
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 Smoothing : ON
 Sampling : 1
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 Min Area: 3 % of largest Peak
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.491	2343	2349	2353	rVB6	10705	17595	1.21%	0.125%
36	16.697	2379	2384	2389	rVB4	13122	20120	1.38%	0.143%
37	16.850	2406	2410	2415	rVB	18121	23972	1.65%	0.170%
38	17.038	2435	2442	2445	rBV	228501	337000	23.16%	2.389%
39	17.079	2445	2449	2454	rVB	295191	397628	27.32%	2.819%
40	17.167	2460	2464	2470	rVB	82737	121027	8.32%	0.858%
41	17.449	2510	2512	2518	rVB5	12847	14811	1.02%	0.105%
42	17.537	2524	2527	2535	rBV5	12521	22884	1.57%	0.162%
43	17.913	2585	2591	2593	rBV	40966	58755	4.04%	0.417%
44	17.943	2593	2596	2597	rBV2	52706	53174	3.65%	0.377%
45	18.037	2609	2612	2618	rVB2	23146	35925	2.47%	0.255%
46	18.107	2618	2624	2628	rVV3	61812	113045	7.77%	0.802%
47	18.142	2628	2630	2634	rVB	45012	56949	3.91%	0.404%
48	18.419	2673	2677	2683	rVB	29675	39585	2.72%	0.281%
49	18.659	2713	2718	2723	rVB2	85524	115071	7.91%	0.816%
50	18.795	2738	2741	2744	rBV5	9625	14913	1.02%	0.106%
51	18.836	2744	2748	2752	rVV3	17430	29696	2.04%	0.211%
52	18.900	2754	2759	2761	rVV6	16585	31396	2.16%	0.223%
53	18.930	2762	2764	2768	rVB2	21353	24670	1.70%	0.175%
54	19.041	2781	2783	2787	rVB5	17480	19661	1.35%	0.139%
55	19.100	2788	2793	2798	rBV	252963	354861	24.38%	2.516%
56	19.159	2798	2803	2808	rVB	266359	324608	22.30%	2.302%
57	19.253	2816	2819	2823	rVB2	28975	35627	2.45%	0.253%
58	19.347	2830	2835	2836	rBV4	16027	19586	1.35%	0.139%
59	19.376	2837	2840	2844	rVB5	35474	43032	2.96%	0.305%
60	19.435	2844	2850	2851	rBV	47727	53662	3.69%	0.380%
61	19.470	2851	2856	2865	rVV	234872	379209	26.06%	2.689%
62	19.547	2865	2869	2875	rVB5	28059	47089	3.24%	0.334%
63	19.676	2885	2891	2896	rBV	1262866	1455396	100.00%	10.319%
64	19.799	2906	2912	2917	rBV4	20969	54003	3.71%	0.383%
65	19.887	2923	2927	2930	rVB	39090	43979	3.02%	0.312%
66	19.964	2930	2940	2948	rBV	57270	117804	8.09%	0.835%
67	20.064	2953	2957	2961	rVV	57196	68433	4.70%	0.485%
68	20.122	2961	2967	2971	rVB2	32393	56471	3.88%	0.400%
69	20.269	2988	2992	2994	rBV3	12334	16862	1.16%	0.120%
70	20.310	2994	2999	3003	rBV2	21186	33161	2.28%	0.235%
71	20.422	3015	3018	3023	rVB7	25419	32077	2.20%	0.227%

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

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Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	20.487	3026	3029	3032	rVB4	22171	23515	1.62%	0.167%
73	20.522	3032	3035	3037	rBV4	16258	17968	1.23%	0.127%
74	20.675	3058	3061	3063	rBV4	12884	16747	1.15%	0.119%
75	20.916	3099	3102	3104	rBV	22311	23711	1.63%	0.168%
76	20.945	3104	3107	3114	rVB3	98318	131775	9.05%	0.934%
77	21.227	3149	3155	3159	rBV2	350740	585334	40.22%	4.150%
78	21.268	3159	3162	3168	rVB	122411	146768	10.08%	1.041%
79	21.380	3178	3181	3186	rVB2	52051	62746	4.31%	0.445%
80	21.815	3252	3255	3261	rVB5	31651	49282	3.39%	0.349%
81	22.790	3417	3421	3427	rBV	76682	163405	11.23%	1.159%
82	23.266	3499	3502	3508	rVB2	49308	92807	6.38%	0.658%
83	23.366	3513	3519	3527	rVB	100281	194898	13.39%	1.382%
84	23.466	3530	3536	3542	rBV	193788	348599	23.95%	2.472%

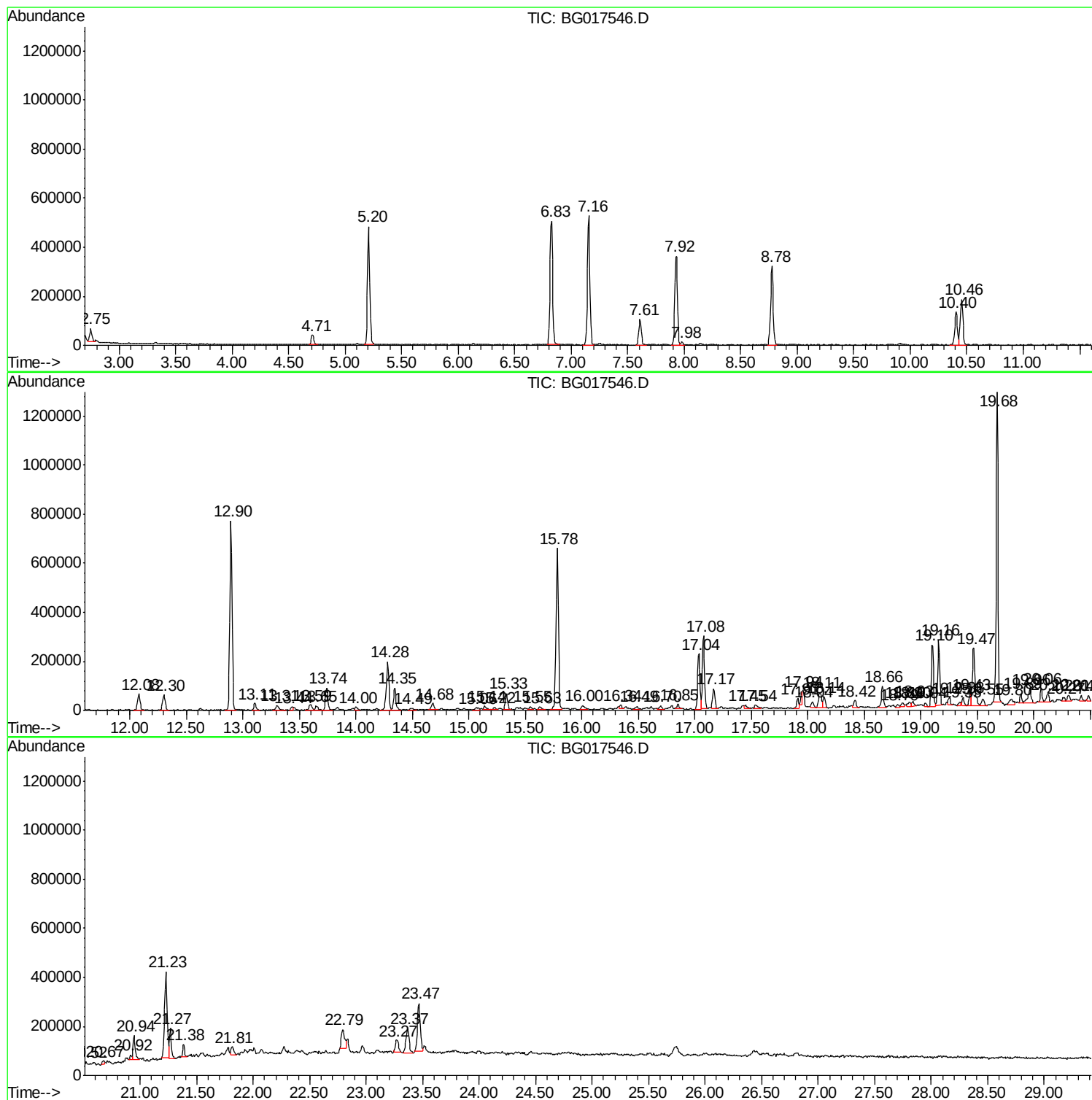
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ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
SB-13DS

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017546.D
Acq On : 8 Jun 2015 16:54
Operator : TP/IZ
Sample : G2464-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-13DS

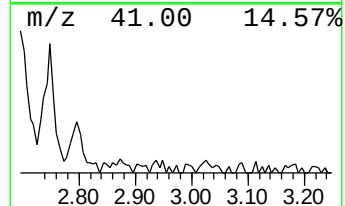
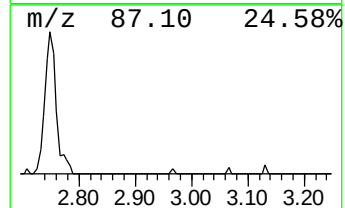
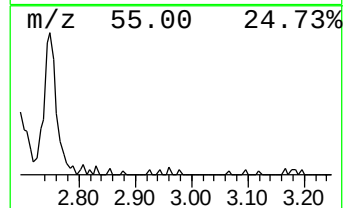
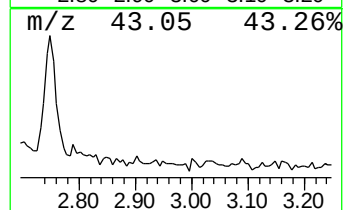
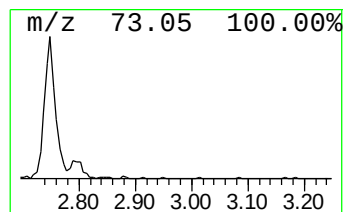
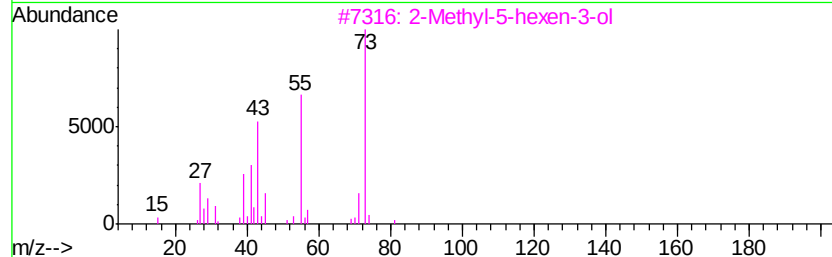
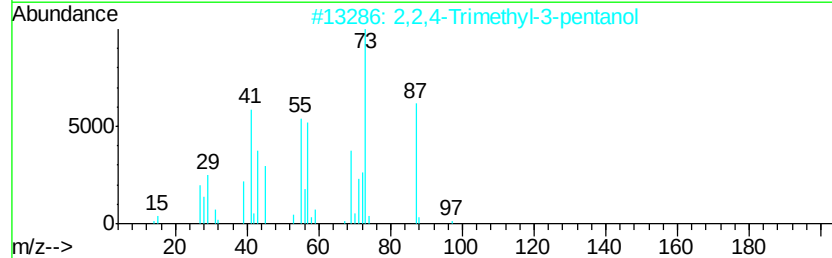
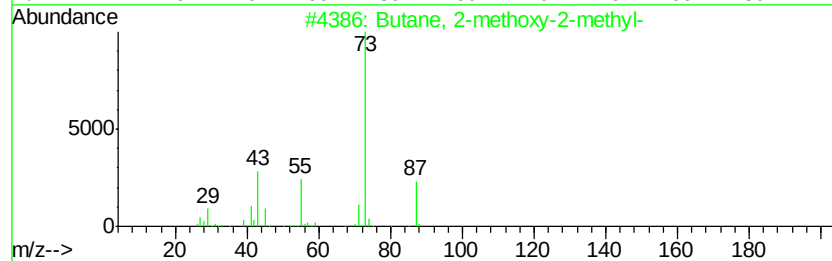
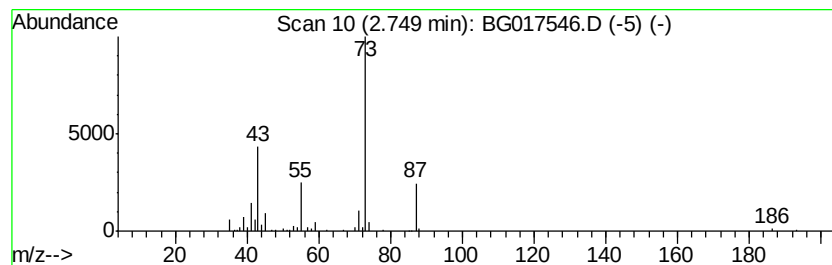
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.75	8.94 ng	71864	1,4-Dichlorobenzene-d4	7.61

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	56
3			2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	12
4			1-Propanol, 3-mercapto-	92	C3H8OS	019721-22-3	9
5			1-Propene-1-thiol	74	C3H6S	000925-89-3	9



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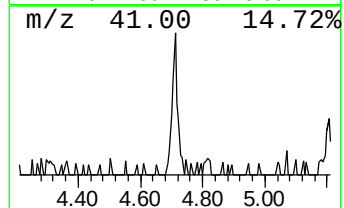
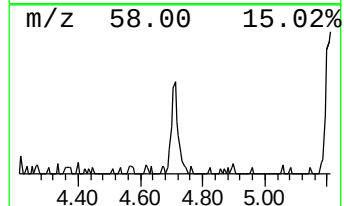
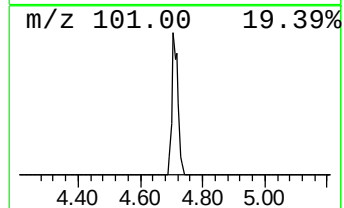
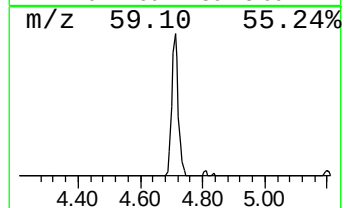
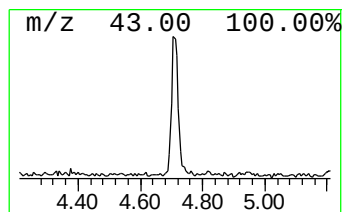
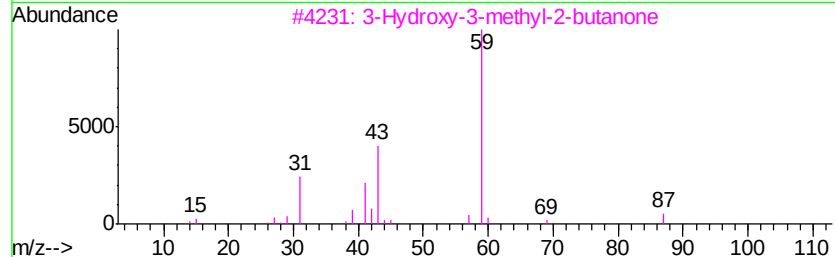
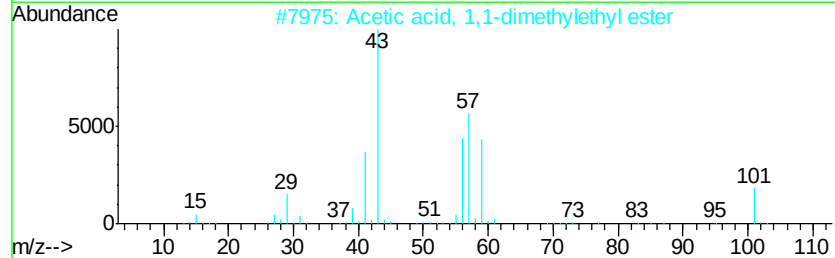
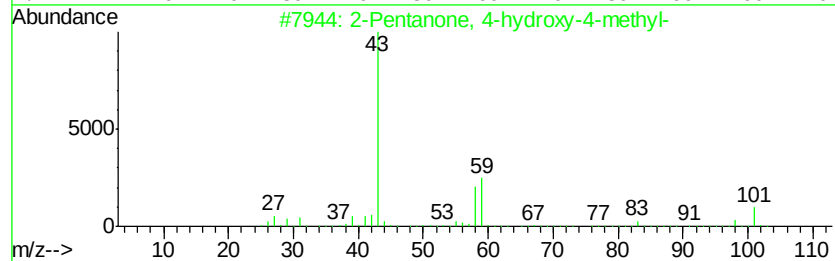
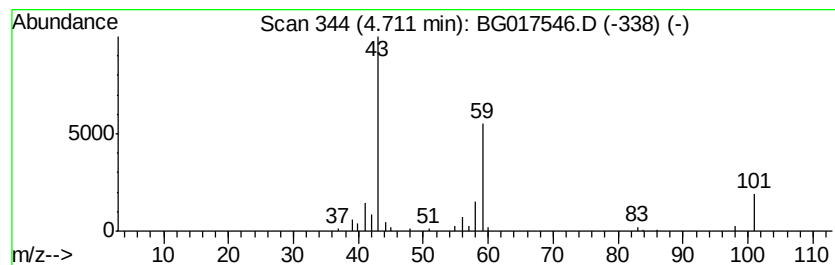
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.71	7.35 ng	59049	1,4-Dichlorobenzene-d4	7.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3		3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	17
4		Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	17
5		Butane	58	C4H10	000106-97-8	12



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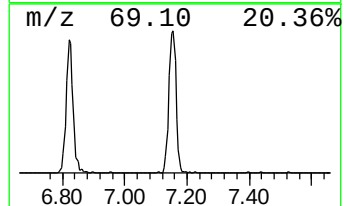
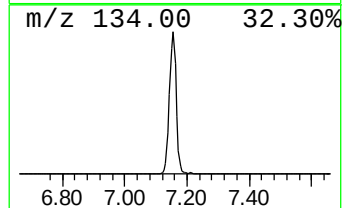
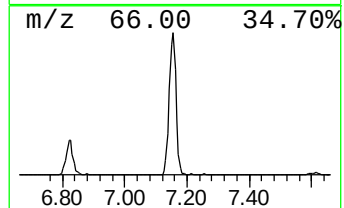
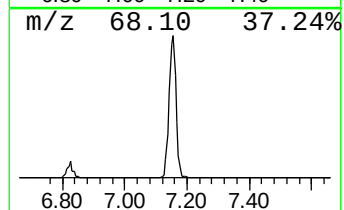
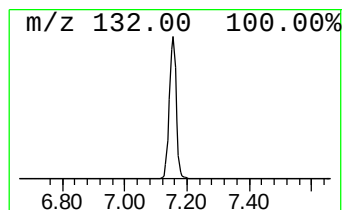
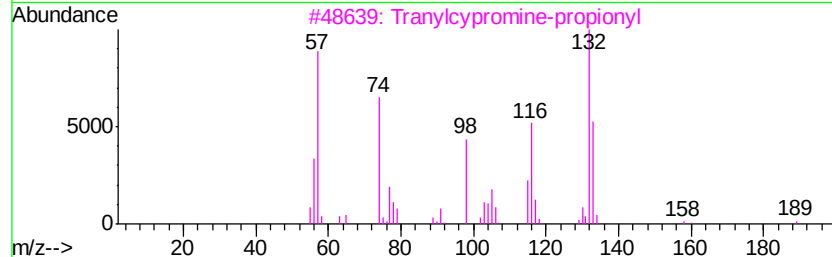
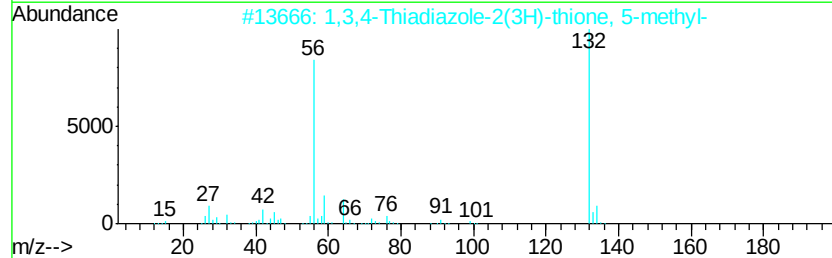
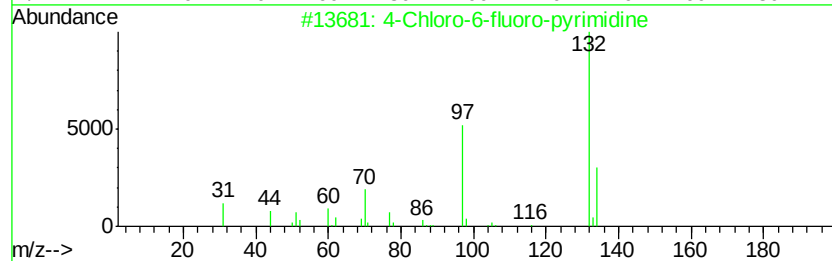
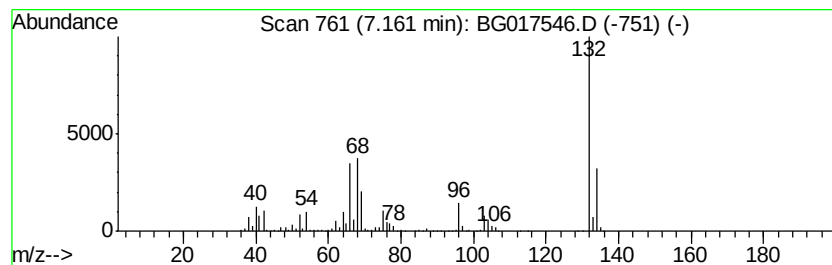
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown7.16 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	99.67 ng	801189	1,4-Dichlorobenzene-d4	7.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2		1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	27
3		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	22
4		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16



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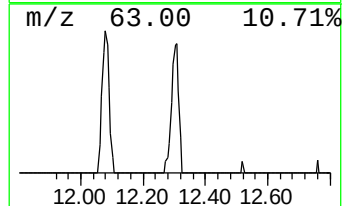
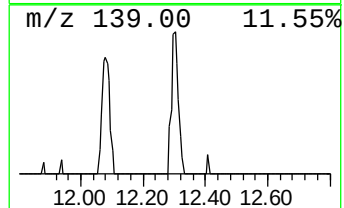
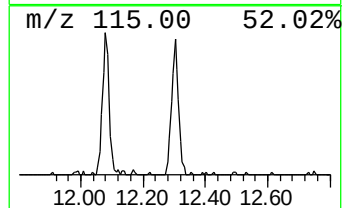
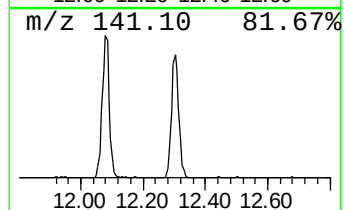
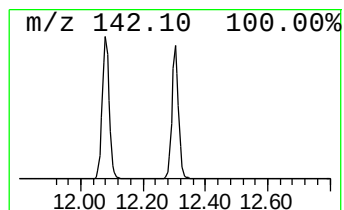
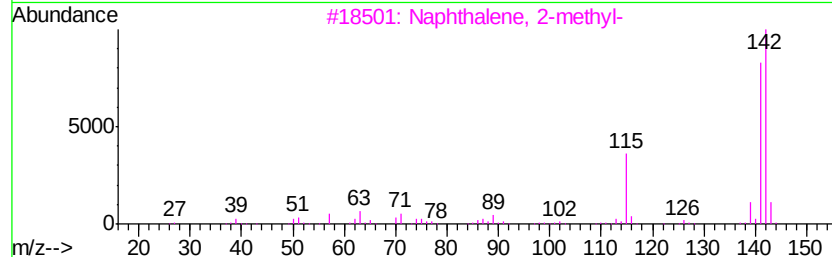
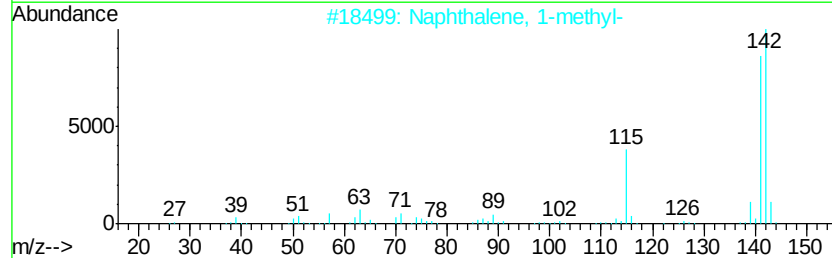
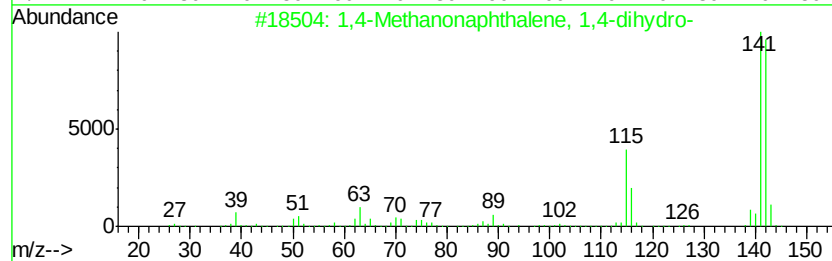
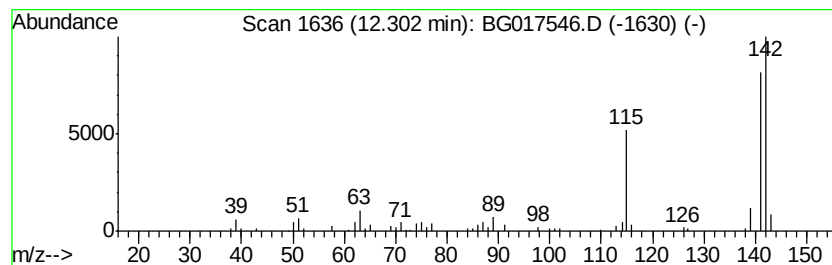
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 1,4-Methanonaphthalene, 1,4... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	8.57 ng	97131	Naphthalene-d8	10.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
2			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	90
3			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	87
4			Benzocycloheptatriene	142	C11H10	000264-09-5	86
5			3,4-Difluorobenzaldehyde	142	C7H4F2O	034036-07-2	53



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017546.D
Acq On : 8 Jun 2015 16:54
Operator : TP/IZ
Sample : G2464-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-13DS

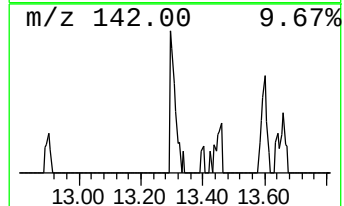
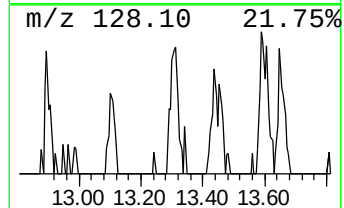
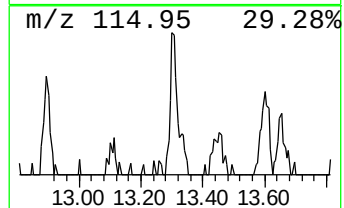
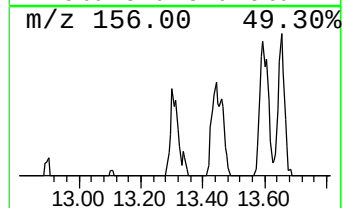
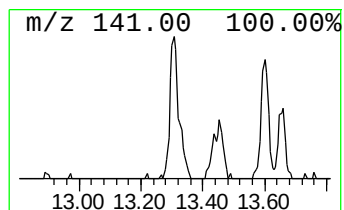
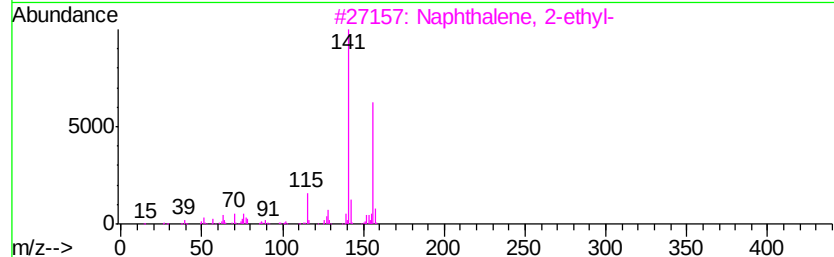
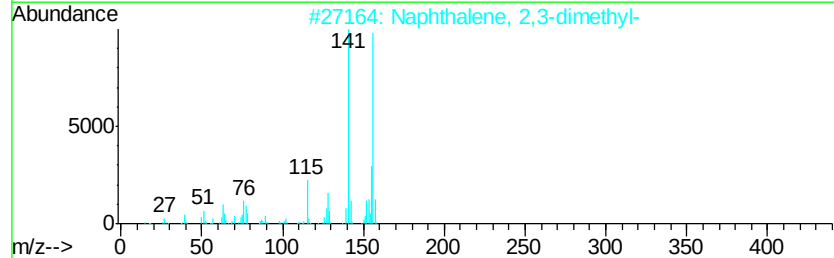
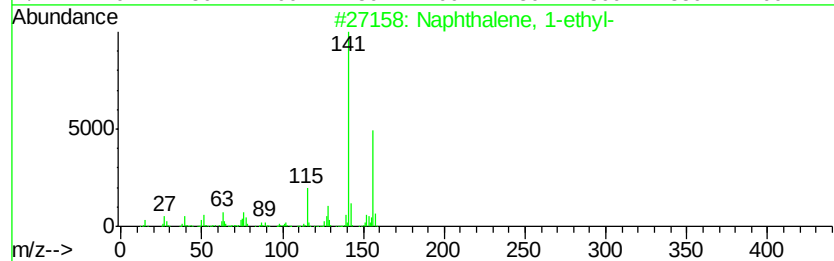
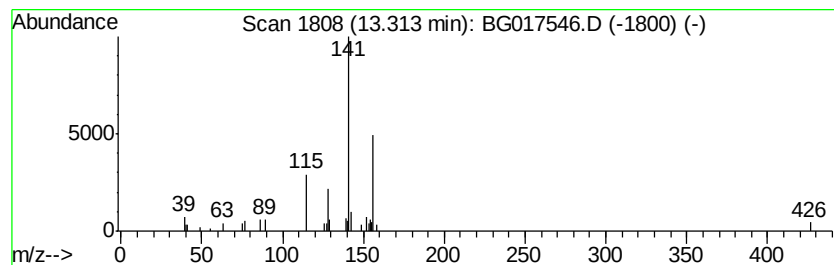
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 1-ethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	2.31 ng	36304	Acenaphthene-d10	14.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	90
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	90
3		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	86
4		2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	38
5		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	37



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017546.D
Acq On : 8 Jun 2015 16:54
Operator : TP/IZ
Sample : G2464-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

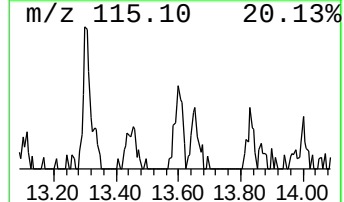
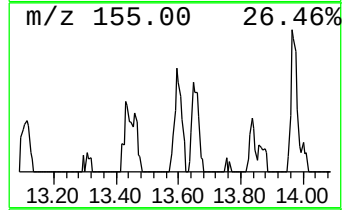
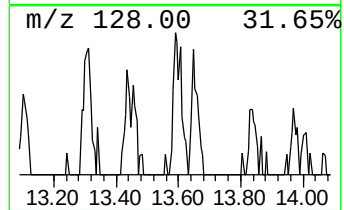
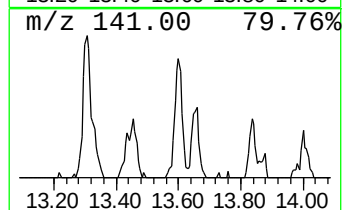
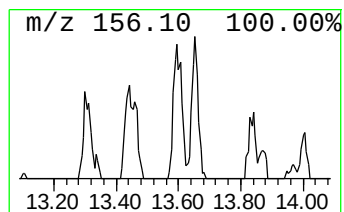
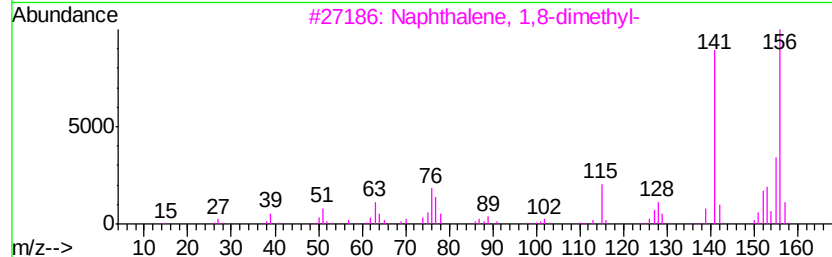
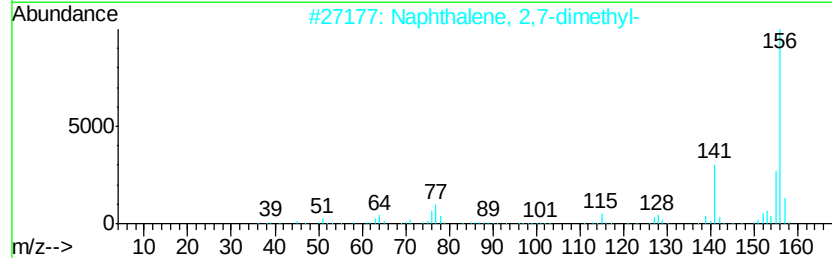
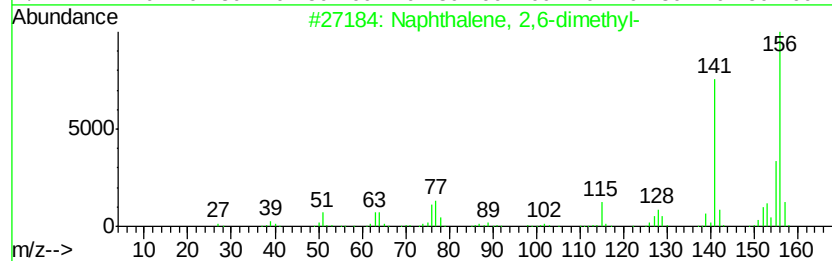
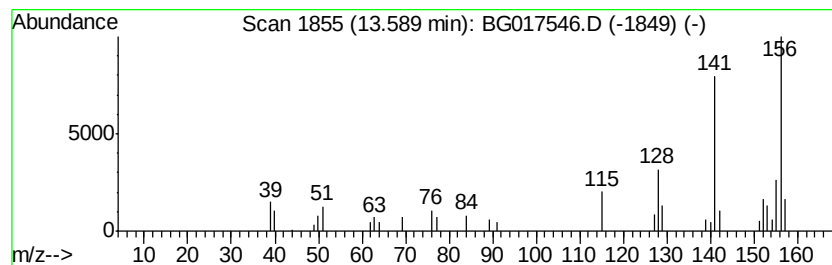
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 2,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.		
13.59	2.64 ng	41453	Acenaphthene-d10		14.28		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	94
2			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
3			Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	93
4			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93
5			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	93



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017546.D
Acq On : 8 Jun 2015 16:54
Operator : TP/IZ
Sample : G2464-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

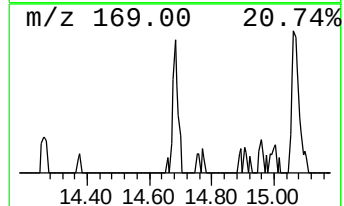
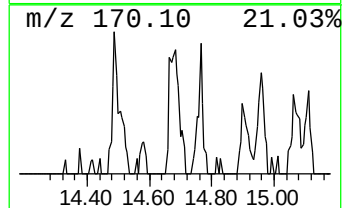
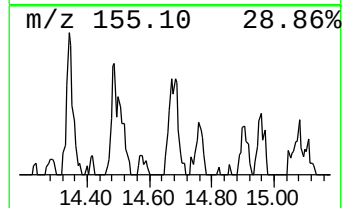
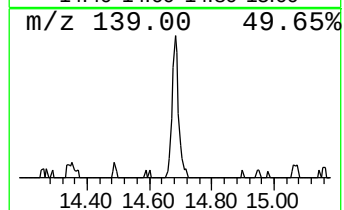
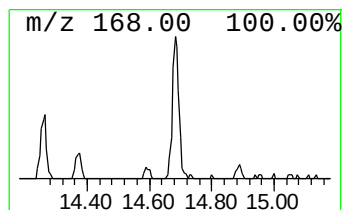
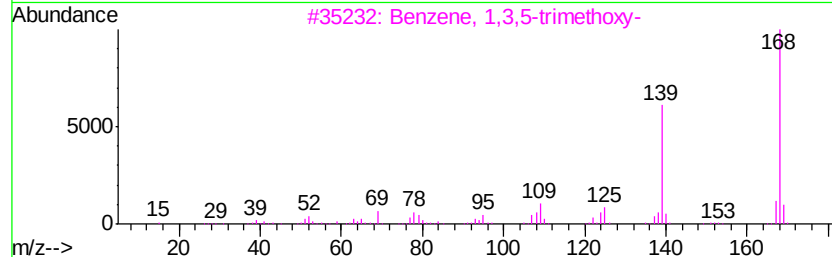
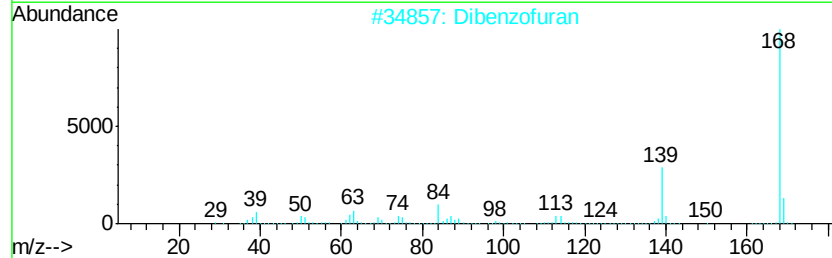
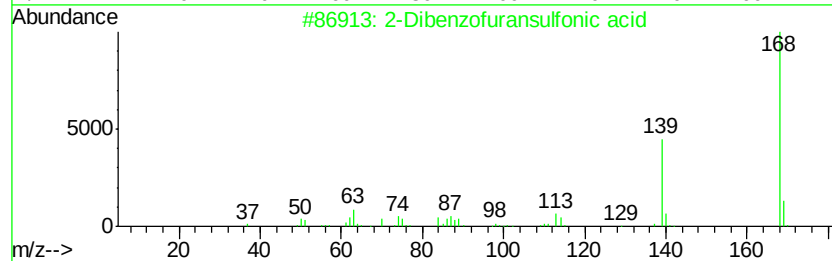
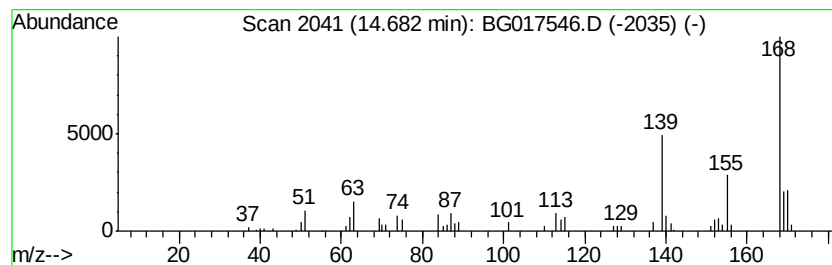
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 2-Dibenzofuransulfonic acid Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.
14.68	2.88 ng	45231	Acenaphthene-d10		14.28
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Dibenzofuransulfonic acid	248	C12H8O4S	083863-63-2	58
2	Dibenzofuran	168	C12H8O	000132-64-9	43
3	Benzene, 1,3,5-trimethoxy-	168	C9H12O3	000621-23-8	43
4	9H-Pyrido[3,4-b]indole	168	C11H8N2	000244-63-3	43
5	Pyridine, 2-(phenylmethyl)-	169	C12H11N	000101-82-6	38



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
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Acq On : 8 Jun 2015 16:54
Operator : TP/IZ
Sample : G2464-14
Misc :
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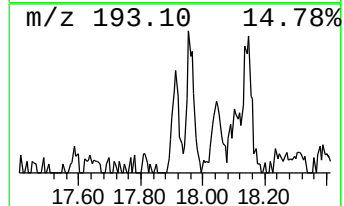
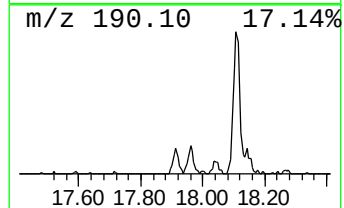
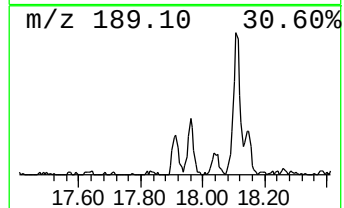
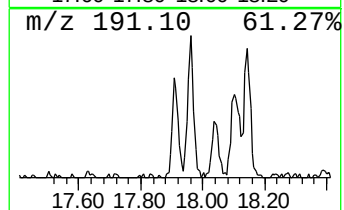
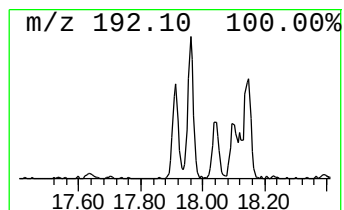
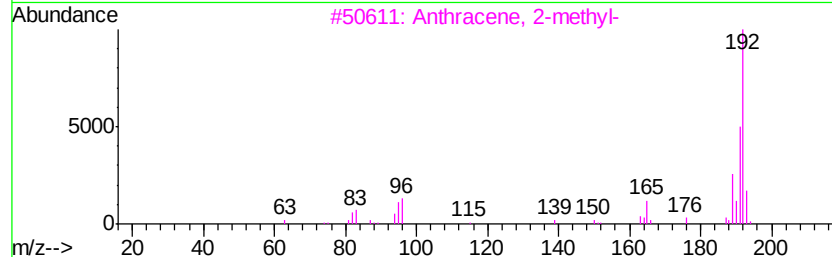
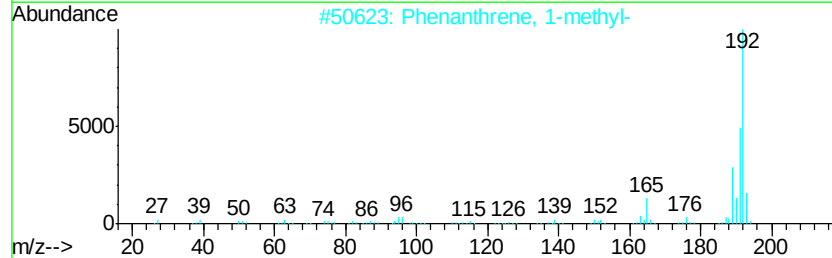
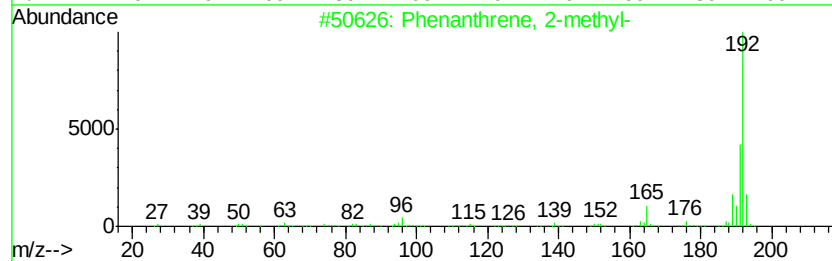
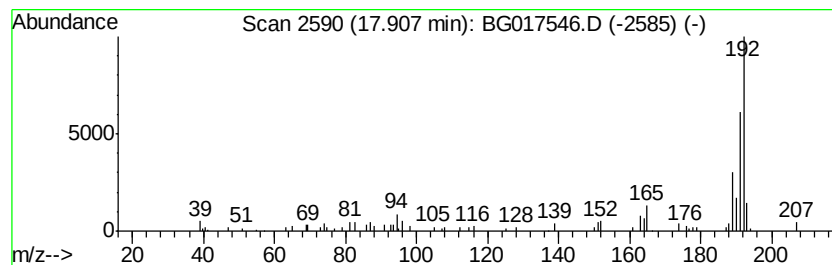
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.
17.91	3.49 ng	58755	Phenanthrene-d10		17.04
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	76
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	76
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	76



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017546.D
Acq On : 8 Jun 2015 16:54
Operator : TP/IZ
Sample : G2464-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-13DS

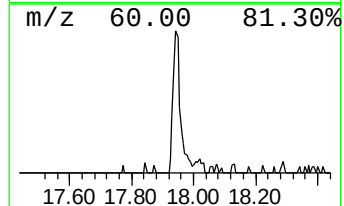
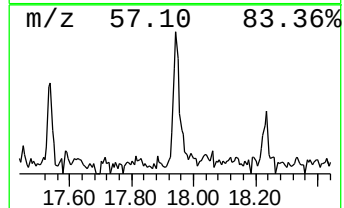
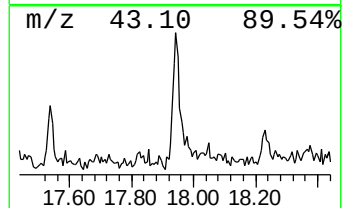
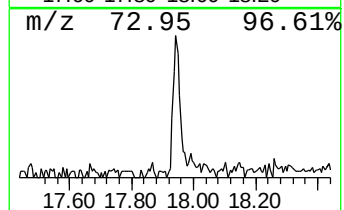
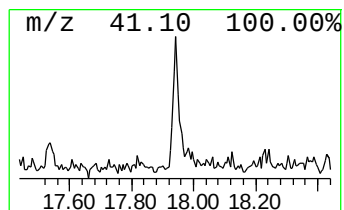
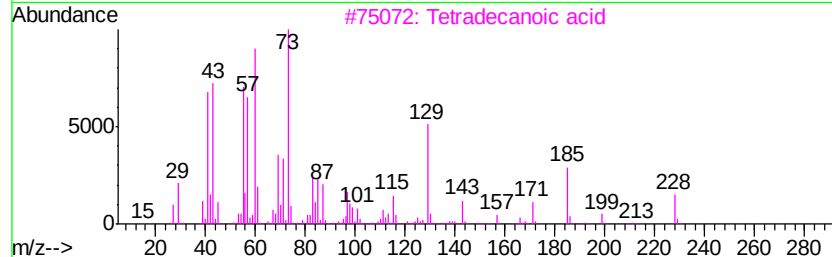
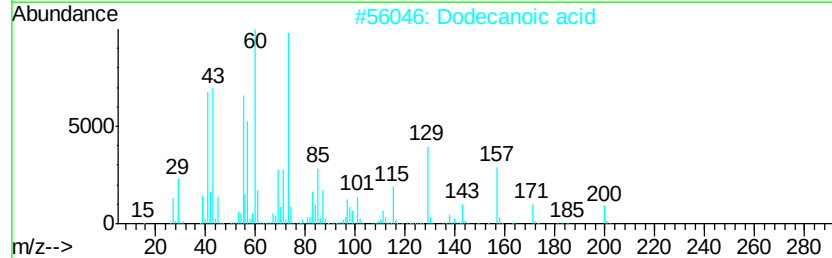
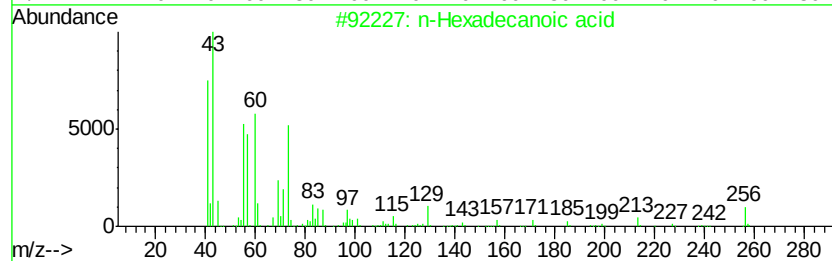
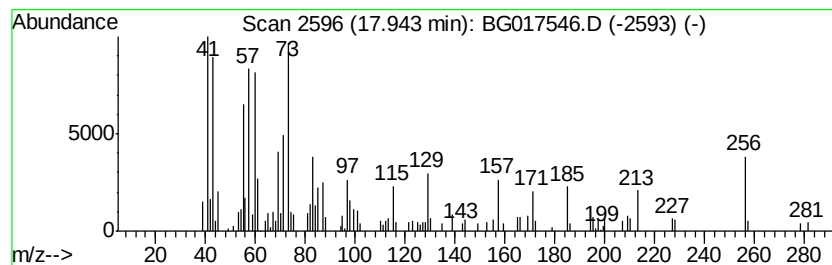
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 n-Hexadecanoic acid Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	3.16 ng	53174	Phenanthrene-d10	17.04

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2			Dodecanoic acid	200	C12H24O2	000143-07-7	55
3			Tetradecanoic acid	228	C14H28O2	000544-63-8	55
4			Tridecanoic acid	214	C13H26O2	000638-53-9	50
5			Pentadecanoic acid	242	C15H30O2	001002-84-2	47



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
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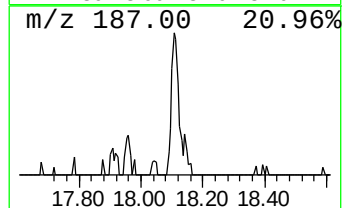
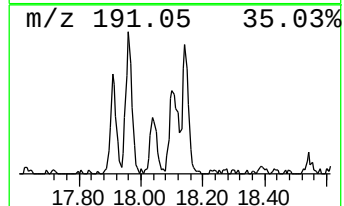
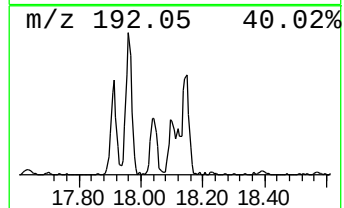
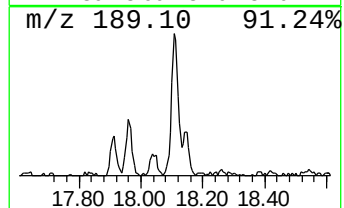
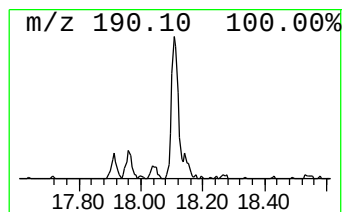
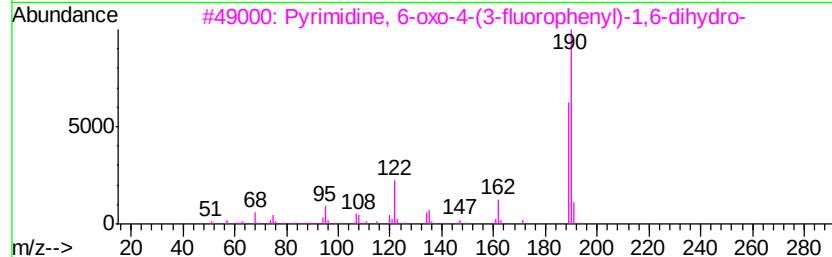
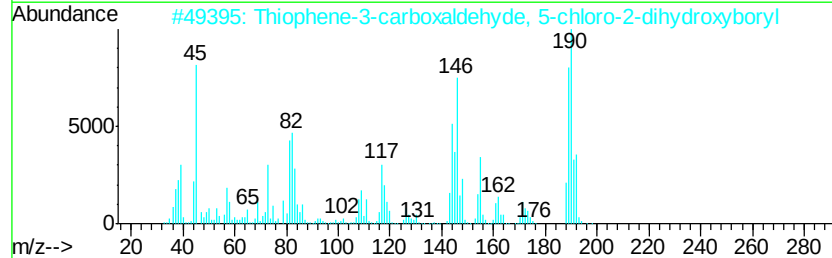
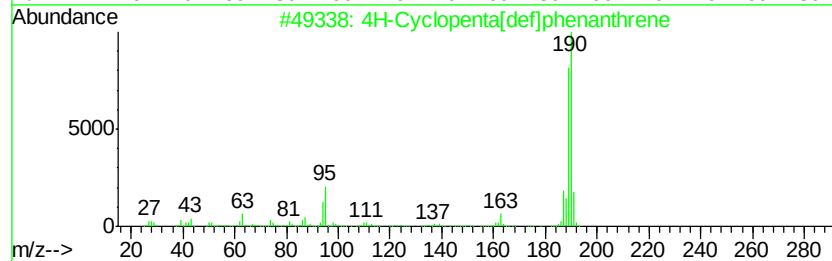
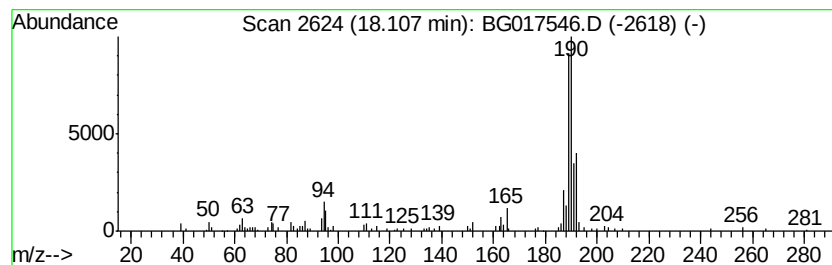
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ClientSampled :
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.11	6.71 ng	113045	Phenanthrene-d10	17.04	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	86
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	Pyrimidine, 6-oxo-4-(3-fluorophe...	190	C10H7FN2O	085979-55-1	38
4	4,4'-Difluorobiphenyl	190	C12H8F2	000398-23-2	25
5	3,3'-Difluoro-1,1'-biphenyl #	190	C12H8F2	000396-64-5	25



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017546.D
Acq On : 8 Jun 2015 16:54
Operator : TP/IZ
Sample : G2464-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-13DS

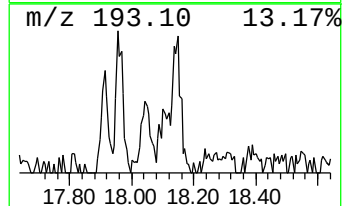
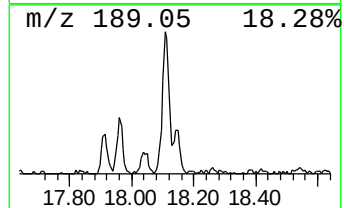
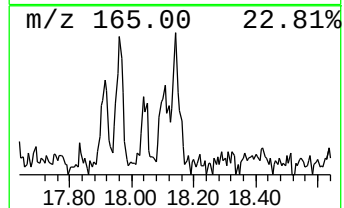
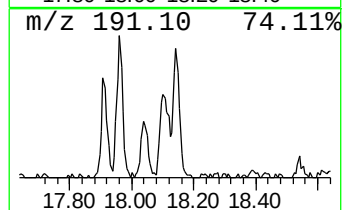
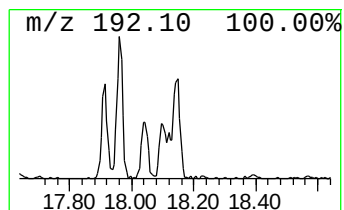
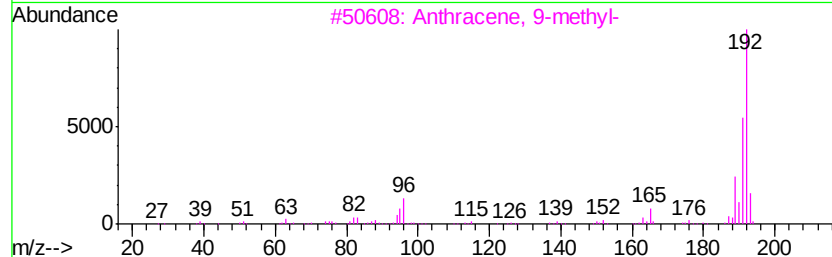
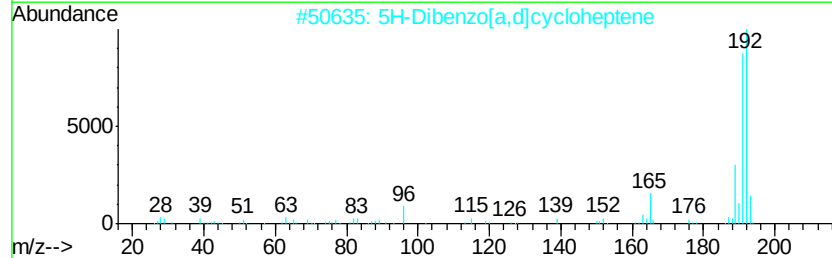
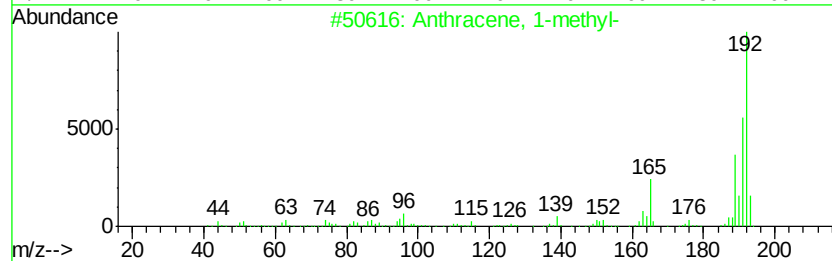
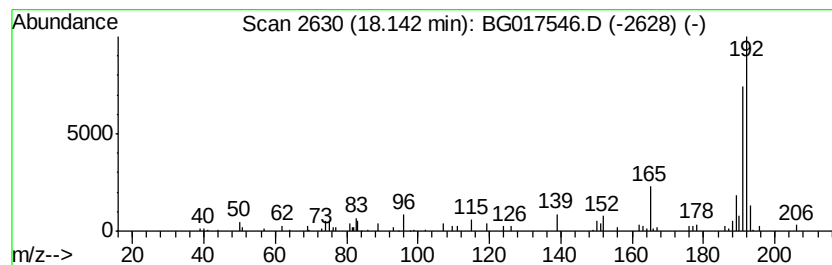
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Anthracene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	3.38 ng	56949	Phenanthrene-d10	17.04

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 1-methyl-	192	C15H12	000610-48-0	80
2			5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	80
3			Anthracene, 9-methyl-	192	C15H12	000779-02-2	78
4			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	78
5			Benzene, 1,1'-(1,2-propadienyld...	192	C15H12	014251-57-1	72



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017546.D
Acq On : 8 Jun 2015 16:54
Operator : TP/IZ
Sample : G2464-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

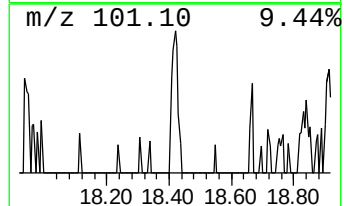
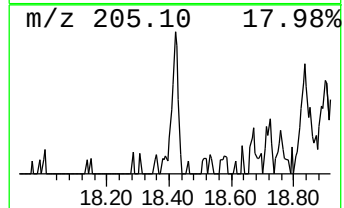
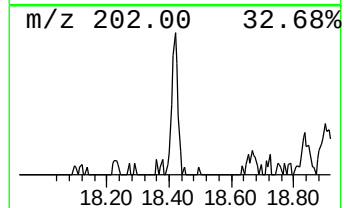
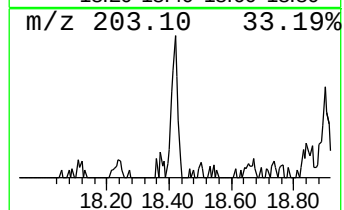
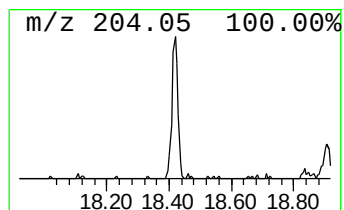
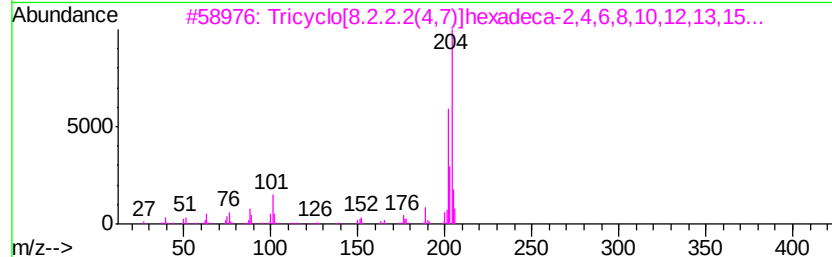
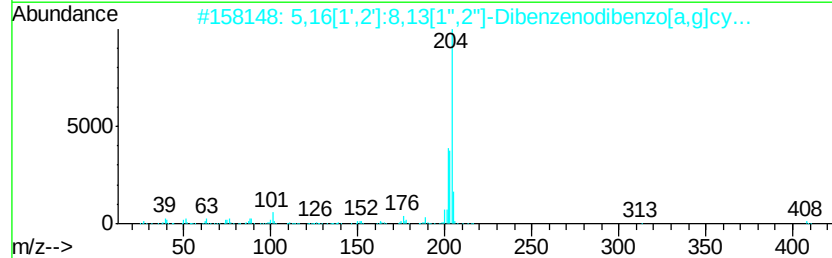
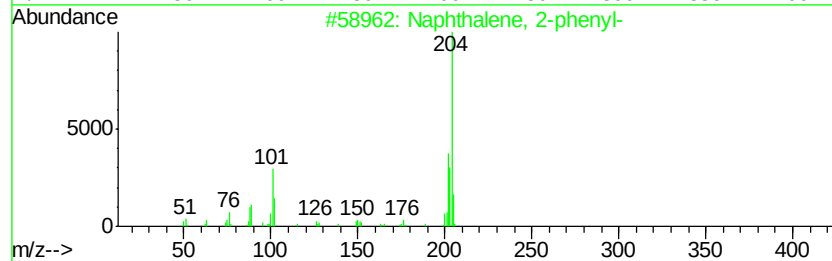
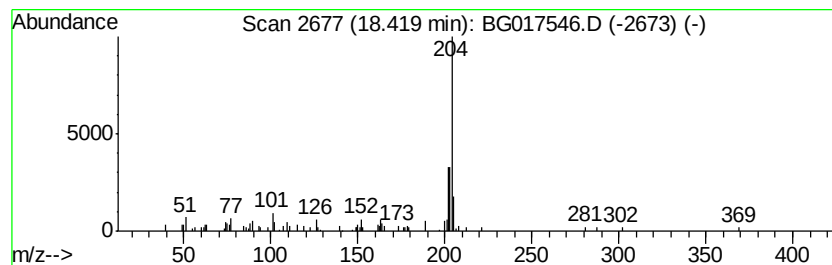
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.42	2.35 ng	39585	Phenanthrene-d10	17.04	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	2-Phenylnaphthalene	204	C16H12	035465-71-5	64
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	53



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017546.D
Acq On : 8 Jun 2015 16:54
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Instrument :
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ClientSampleId :
SB-13DS

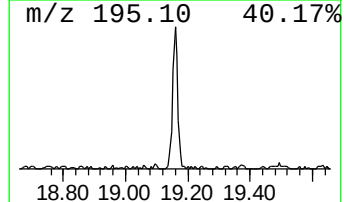
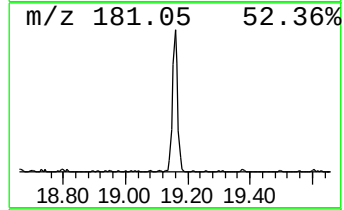
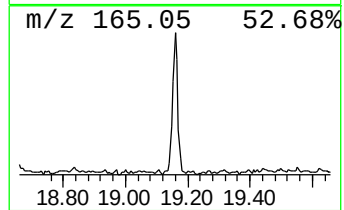
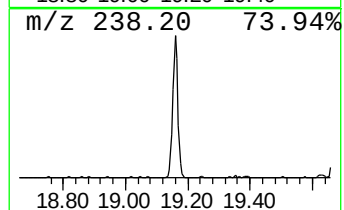
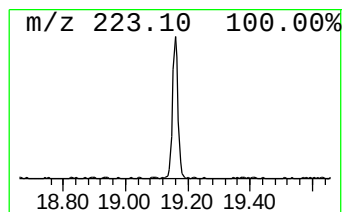
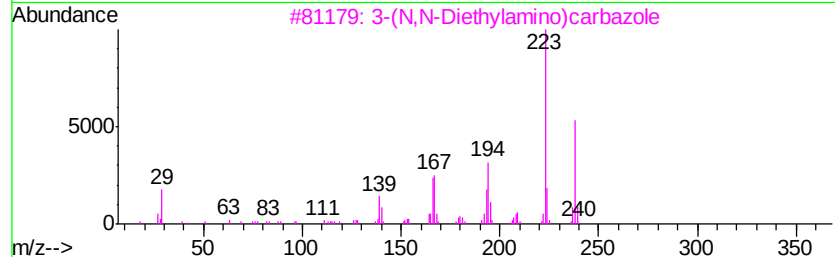
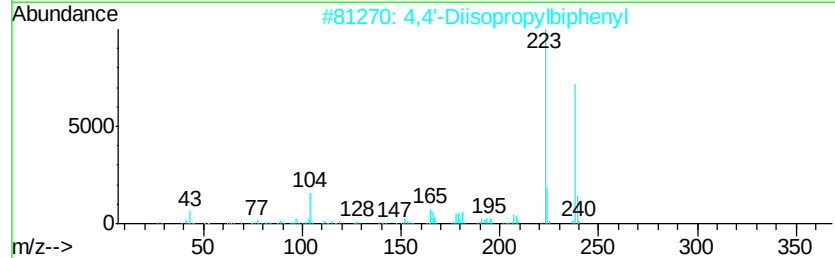
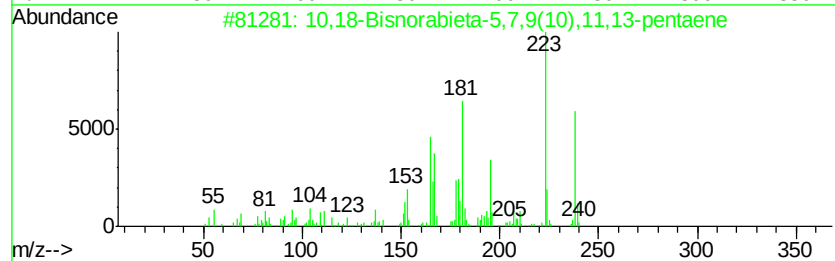
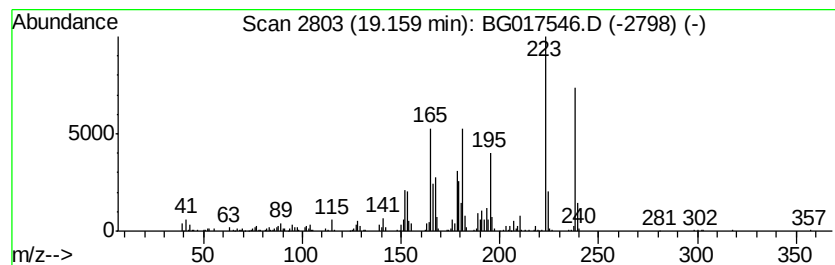
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.16	11.09 ng	324608	Chrysene-d12	21.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	91
2		4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	55
3		3-(N,N-Diethylamino)carbazole	238	C16H18N2	054994-31-9	49
4		Anthracene, 1,4-dimethoxy-	238	C16H14O2	013076-29-4	49
5		9,10-Anthracenedione, 1-amino-	223	C14H9NO2	000082-45-1	35



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017546.D
Acq On : 8 Jun 2015 16:54
Operator : TP/IZ
Sample : G2464-14
Misc :
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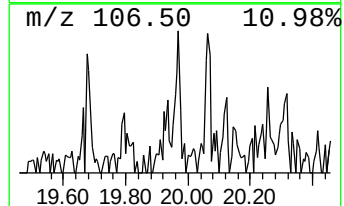
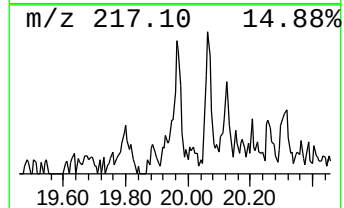
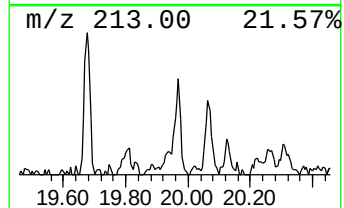
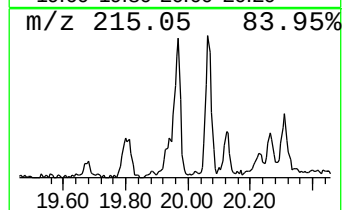
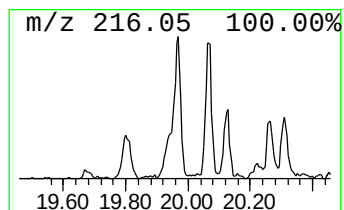
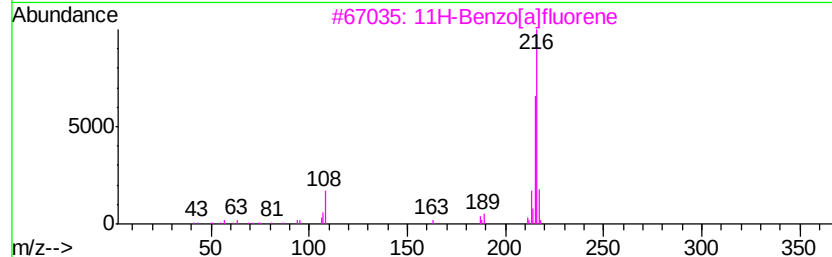
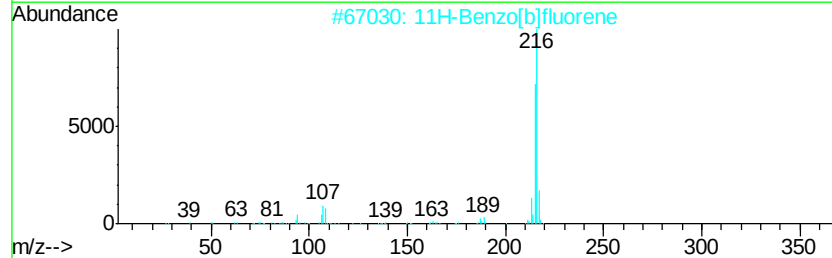
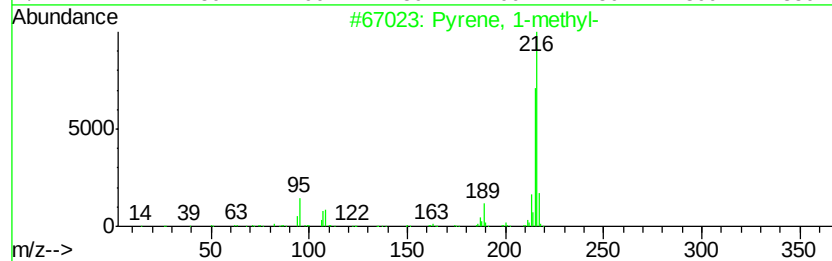
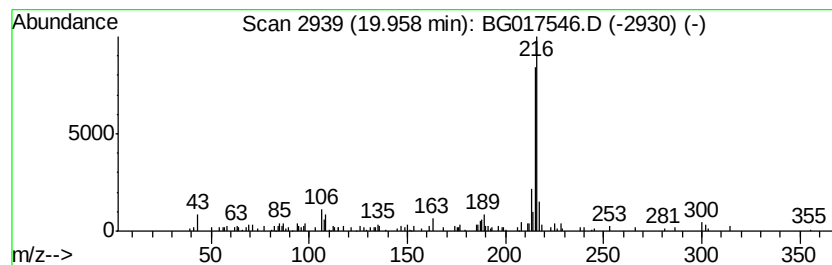
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.96	4.03 ng	117804	Chrysene-d12	21.23
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Pyrene, 1-methyl-	216 C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216 C17H12	000243-17-4	94
3	11H-Benzo[a]fluorene	216 C17H12	000238-84-6	91
4	Pyrene, 2-methyl-	216 C17H12	003442-78-2	90
5	Fluoranthene, 2-methyl-	216 C17H12	033543-31-6	87



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017546.D
Acq On : 8 Jun 2015 16:54
Operator : TP/IZ
Sample : G2464-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

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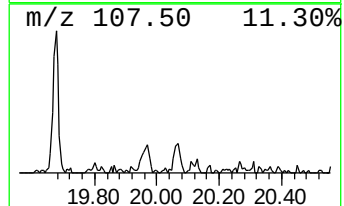
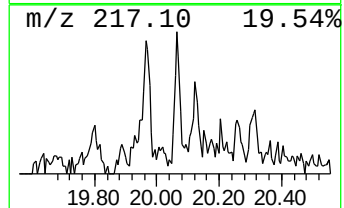
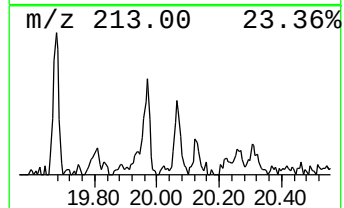
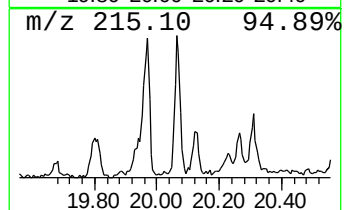
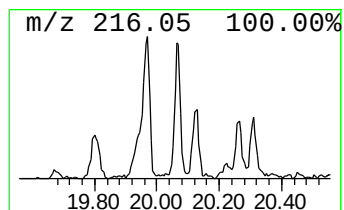
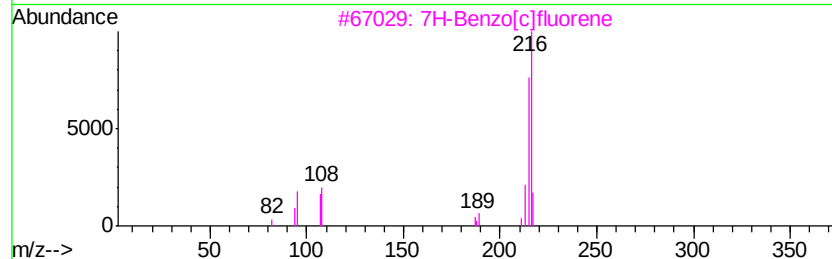
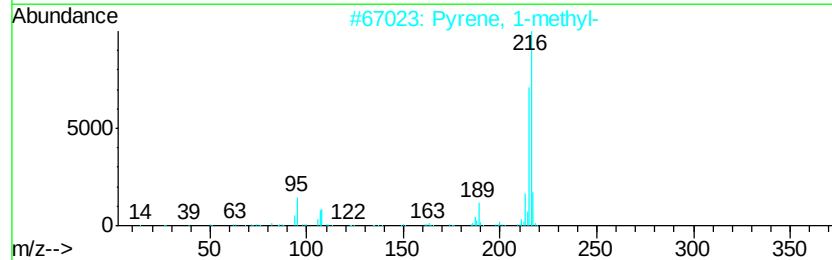
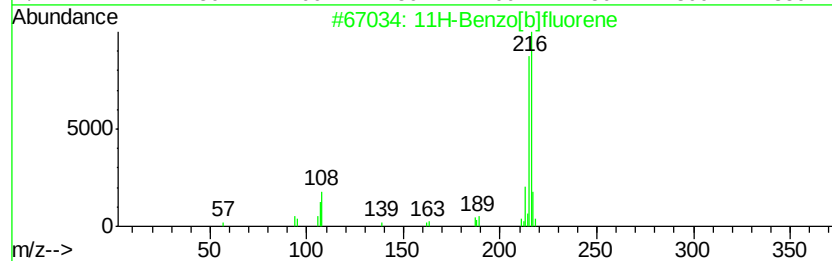
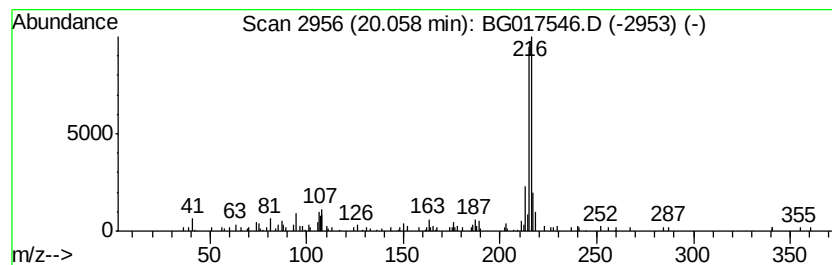
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.06	2.34 ng	68433	Chrysene-d12	21.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
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Sample : G2464-14
Misc :
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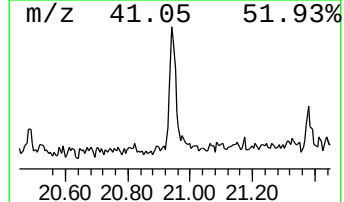
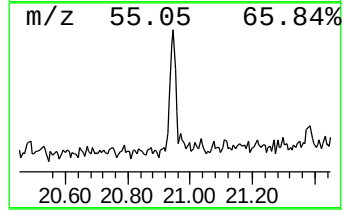
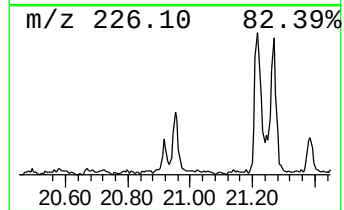
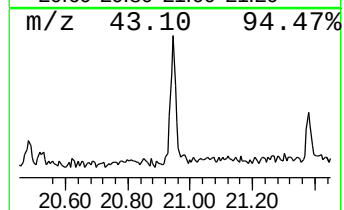
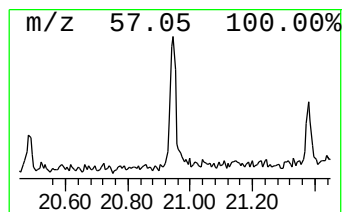
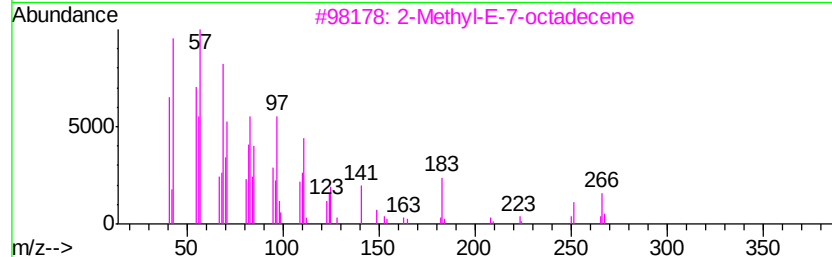
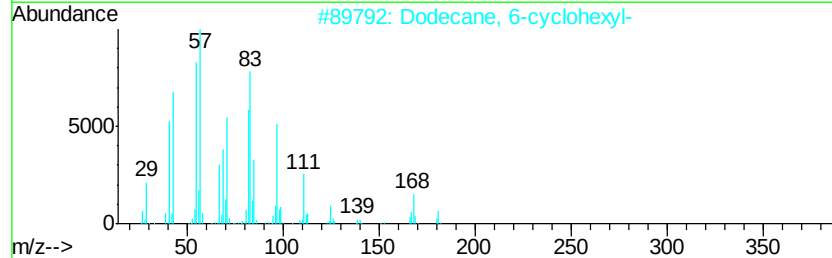
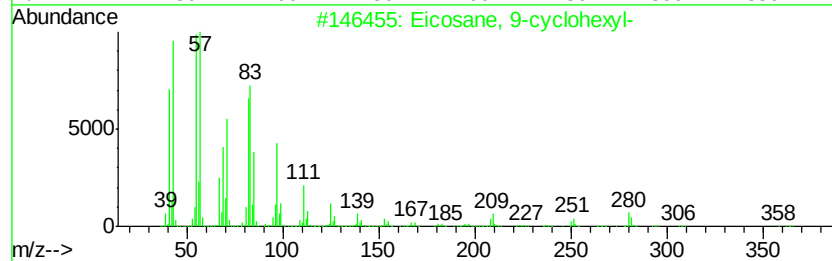
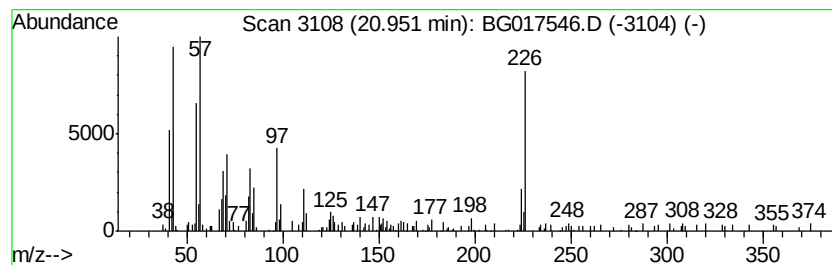
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Eicosane, 9-cyclohexyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
20.95	4.50 ng	131775	Chrysene-d12	21.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 9-cyclohexyl-	364	C26H52	004443-61-2	72
2	Dodecane, 6-cyclohexyl-	252	C18H36	013151-86-5	72
3	2-Methyl-E-7-octadecene	266	C19H38	1000130-92-3	68
4	5-Eicosene, (E)-	280	C20H40	074685-30-6	60
5	Cycloeicosane	280	C20H40	000296-56-0	60



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
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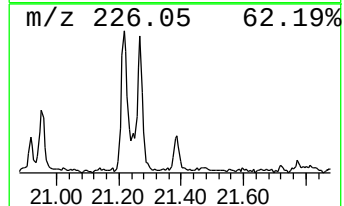
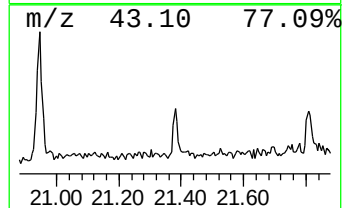
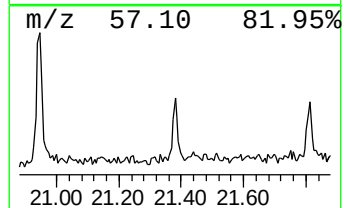
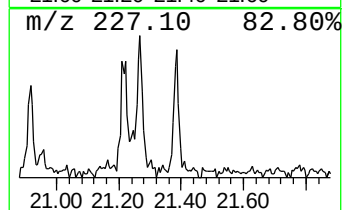
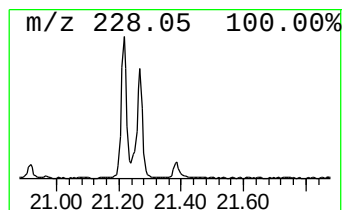
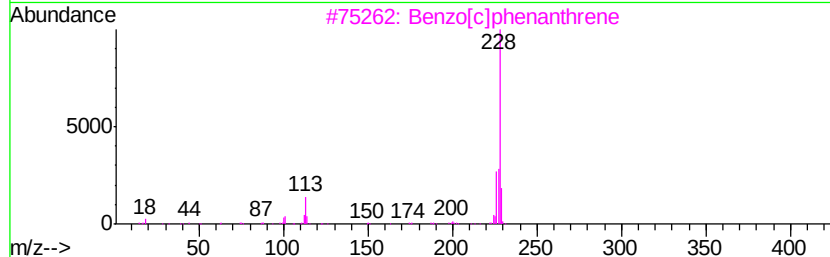
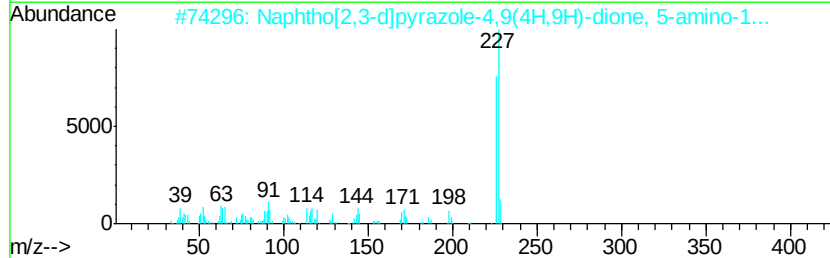
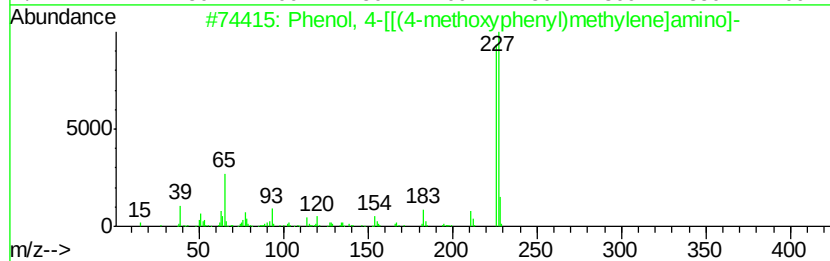
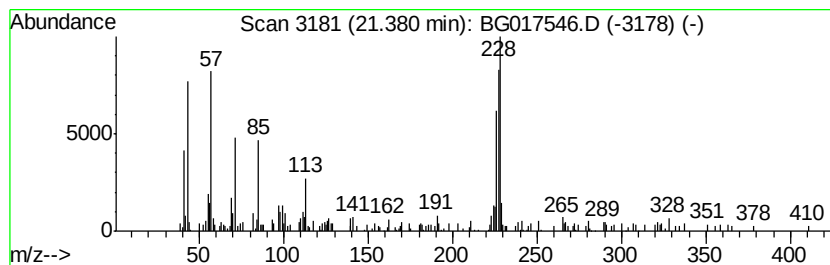
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown21.38 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.		
21.38	2.14 ng	62746	Chrysene-d12	21.23		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-[[[4-methoxyphenyl)met...	227	C14H13NO2	003230-39-5	38	
2	Naphtho[2,3-d]pyrazole-4,9(4H,9H...	227	C12H9N3O2	1000263-96-1	30	
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	27	
4	2-Methoxy-5-phenyliminomethyl-ph...	227	C14H13NO2	1000294-90-8	27	
5	4-[(3-Methoxy-phenylimino)-methy...	227	C14H13NO2	1000294-23-9	27	



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
 Data File : BG017546.D
 Acq On : 8 Jun 2015 16:54
 Operator : TP/IZ
 Sample : G2464-14
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-13DS

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.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...	2.75	8.9	ng	71864	1	7.61	160766	20.0
2-Pentanone, 4-hy...	4.71	7.3	ng	59049	1	7.61	160766	20.0
unknown7.16	7.16	99.7	ng	801189	1	7.61	160766	20.0
1,4-Methanonaphth...	12.30	8.6	ng	97131	2	10.40	226665	20.0
Naphthalene, 1-et...	13.31	2.3	ng	36304	3	14.28	313992	20.0
Naphthalene, 2,6-...	13.59	2.6	ng	41453	3	14.28	313992	20.0
2-Dibenzofuransul...	14.68	2.9	ng	45231	3	14.28	313992	20.0
Phenanthrene, 2-m...	17.91	3.5	ng	58755	4	17.04	337000	20.0
n-Hexadecanoic acid	17.94	3.2	ng	53174	4	17.04	337000	20.0
4H-Cyclopenta[def...	18.11	6.7	ng	113045	4	17.04	337000	20.0
Anthracene, 1-met...	18.14	3.4	ng	56949	4	17.04	337000	20.0
Naphthalene, 2-ph...	18.42	2.4	ng	39585	4	17.04	337000	20.0
4b,8-Dimethyl-2-i...	18.66	6.8	ng	115071	4	17.04	337000	20.0
10,18-Bisnorabiet...	19.16	11.1	ng	324608	5	21.23	585334	20.0
Pyrene, 1-methyl-	19.96	4.0	ng	117804	5	21.23	585334	20.0
11H-Benzo[b]fluorene	20.06	2.3	ng	68433	5	21.23	585334	20.0
Eicosane, 9-cyclo...	20.95	4.5	ng	131775	5	21.23	585334	20.0
unknown21.38	21.38	2.1	ng	62746	5	21.23	585334	20.0