

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
 Data File : BG021062.D
 Acq On : 24 Feb 2016 21:51
 Operator : UM/SJ
 Sample : H1521-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-2(0-2)

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-BG022316.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.050	32	36	52	rVV	141720	199135	78.65%	6.712%
2	3.197	56	61	70	rBB3	4562	8330	3.29%	0.281%
3	5.282	411	416	423	rBB	20855	31678	12.51%	1.068%
4	5.782	494	501	508	rBV	89682	142973	56.47%	4.819%
5	7.409	770	778	787	rBB	106285	181513	71.69%	6.118%
6	7.750	830	836	844	rBB	106267	176473	69.70%	5.948%
7	8.202	908	913	919	rBB	18134	28188	11.13%	0.950%
8	8.531	962	969	976	rBB	79015	131059	51.77%	4.417%
9	9.389	1107	1115	1122	rBB	69748	119872	47.35%	4.040%
10	11.022	1387	1393	1399	rBV	29986	51944	20.52%	1.751%
11	11.074	1399	1402	1407	rVB2	2860	4088	1.61%	0.138%
12	12.661	1668	1672	1676	rBB	2444	3668	1.45%	0.124%
13	12.878	1704	1709	1713	rBB	2015	3066	1.21%	0.103%
14	13.448	1799	1806	1812	rBB	167133	253180	100.00%	8.533%
15	13.595	1828	1831	1837	rBB2	2662	3509	1.39%	0.118%
16	14.135	1918	1923	1929	rBV3	1826	3333	1.32%	0.112%
17	14.270	1935	1946	1953	rVB	18875	29737	11.75%	1.002%
18	14.664	2007	2013	2017	rVB	7228	9373	3.70%	0.316%
19	14.816	2033	2039	2045	rVB2	40021	61938	24.46%	2.088%
20	14.881	2045	2050	2054	rBB2	7641	11190	4.42%	0.377%
21	15.210	2100	2106	2112	rVB2	6611	9703	3.83%	0.327%
22	15.275	2113	2117	2123	rBV3	2630	4122	1.63%	0.139%
23	15.610	2170	2174	2179	rVB	9629	11979	4.73%	0.404%
24	15.862	2211	2217	2221	rBB2	7553	12669	5.00%	0.427%
25	16.015	2240	2243	2247	rVB2	3436	4810	1.90%	0.162%
26	16.156	2263	2267	2274	rVB3	2265	3688	1.46%	0.124%
27	16.303	2287	2292	2299	rBV	116388	171655	67.80%	5.785%
28	16.467	2315	2320	2328	rBV	8521	17167	6.78%	0.579%
29	16.626	2343	2347	2352	rBV2	4057	5853	2.31%	0.197%
30	16.685	2352	2357	2362	rVV3	2911	4941	1.95%	0.167%
31	16.743	2362	2367	2372	rVB2	3761	5243	2.07%	0.177%
32	16.796	2372	2376	2379	rBV4	2127	3588	1.42%	0.121%
33	16.949	2397	2402	2410	rVB3	2222	4391	1.73%	0.148%
34	17.008	2410	2412	2416	rBV	3025	3823	1.51%	0.129%

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
 Data File : BG021062.D
 Acq On : 24 Feb 2016 21:51
 Operator : UM/SJ
 Sample : H1521-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-2(0-2)

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-BG022316.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.084	2421	2425	2428	rVB3	2508	3129	1.24%	0.105%
36	17.213	2442	2447	2451	rBV2	5649	8294	3.28%	0.280%
37	17.254	2451	2454	2458	rVV	5391	7188	2.84%	0.242%
38	17.307	2458	2463	2467	rVV3	3660	5475	2.16%	0.185%
39	17.372	2471	2474	2481	rVB	4691	6646	2.63%	0.224%
40	17.560	2499	2506	2509	rBV	38925	59651	23.56%	2.010%
41	17.601	2509	2513	2520	rVB	100483	142226	56.18%	4.793%
42	17.689	2523	2528	2533	rVB	13063	18075	7.14%	0.609%
43	17.859	2555	2557	2562	rBV3	1757	2861	1.13%	0.096%
44	17.965	2571	2575	2579	rBV2	5113	8508	3.36%	0.287%
45	18.135	2597	2604	2608	rVB2	3444	5672	2.24%	0.191%
46	18.282	2624	2629	2632	rVB3	2183	3711	1.47%	0.125%
47	18.423	2647	2653	2657	rVV3	15716	26553	10.49%	0.895%
48	18.470	2657	2661	2668	rVV	16337	22643	8.94%	0.763%
49	18.553	2670	2675	2679	rVB2	3343	5457	2.16%	0.184%
50	18.617	2679	2686	2690	rBV2	12270	27910	11.02%	0.941%
51	18.652	2690	2692	2701	rVB2	8209	13066	5.16%	0.440%
52	18.911	2730	2736	2740	rBV2	6778	10502	4.15%	0.354%
53	18.964	2740	2745	2750	rVB2	9329	12860	5.08%	0.433%
54	19.152	2775	2777	2781	rVB3	2103	2780	1.10%	0.094%
55	19.205	2781	2786	2790	rBV4	2805	3497	1.38%	0.118%
56	19.328	2797	2807	2809	rBV3	6812	12852	5.08%	0.433%
57	19.475	2826	2832	2836	rBV6	4619	8866	3.50%	0.299%
58	19.592	2846	2852	2858	rVB	75148	102651	40.54%	3.460%
59	19.827	2889	2892	2893	rBV3	2812	2889	1.14%	0.097%
60	19.921	2902	2908	2909	rBV2	9188	13560	5.36%	0.457%
61	19.957	2909	2914	2919	rVV	67841	98523	38.91%	3.321%
62	20.015	2920	2924	2927	rVV3	3247	4546	1.80%	0.153%
63	20.139	2938	2945	2949	rBV	172827	203687	80.45%	6.865%
64	20.274	2961	2968	2974	rBV4	5326	12864	5.08%	0.434%
65	20.403	2985	2990	2991	rBV4	4824	6296	2.49%	0.212%
66	20.597	3016	3023	3026	rBV3	6979	11195	4.42%	0.377%
67	20.732	3042	3046	3051	rBV3	4685	7337	2.90%	0.247%
68	20.773	3051	3053	3056	rVV2	4606	6279	2.48%	0.212%
69	20.814	3056	3060	3064	rVB	51677	61913	24.45%	2.087%
70	21.208	3122	3127	3131	rBV2	7494	9951	3.93%	0.335%
71	21.402	3150	3160	3164	rBV8	11046	25651	10.13%	0.865%

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021062.D
Acq On : 24 Feb 2016 21:51
Operator : UM/SJ
Sample : H1521-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2(0-2)

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

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

Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	21.490	3171	3175	3179	rBV4	3857	6199	2.45%	0.209%
73	21.543	3182	3184	3195	rVB3	5260	9009	3.56%	0.304%
74	21.825	3224	3232	3237	rBV2	36006	84726	33.46%	2.856%
75	21.872	3237	3240	3246	rVB	19441	30186	11.92%	1.017%
76	22.112	3278	3281	3282	rBV3	2513	2557	1.01%	0.086%
77	22.571	3356	3359	3363	rVB3	7216	9505	3.75%	0.320%
78	23.264	3474	3477	3480	rBV4	3019	5124	2.02%	0.173%
79	23.628	3535	3539	3540	rBV4	2714	3130	1.24%	0.105%
80	24.086	3611	3617	3624	rBV5	20081	48457	19.14%	1.633%
81	24.838	3738	3745	3753	rVB4	5144	14022	5.54%	0.473%
82	25.150	3792	3798	3807	rVB3	12099	31912	12.60%	1.076%
83	26.189	3969	3975	3981	rBV4	6267	14604	5.77%	0.492%
84	26.877	4088	4092	4094	rBV4	2573	3986	1.57%	0.134%

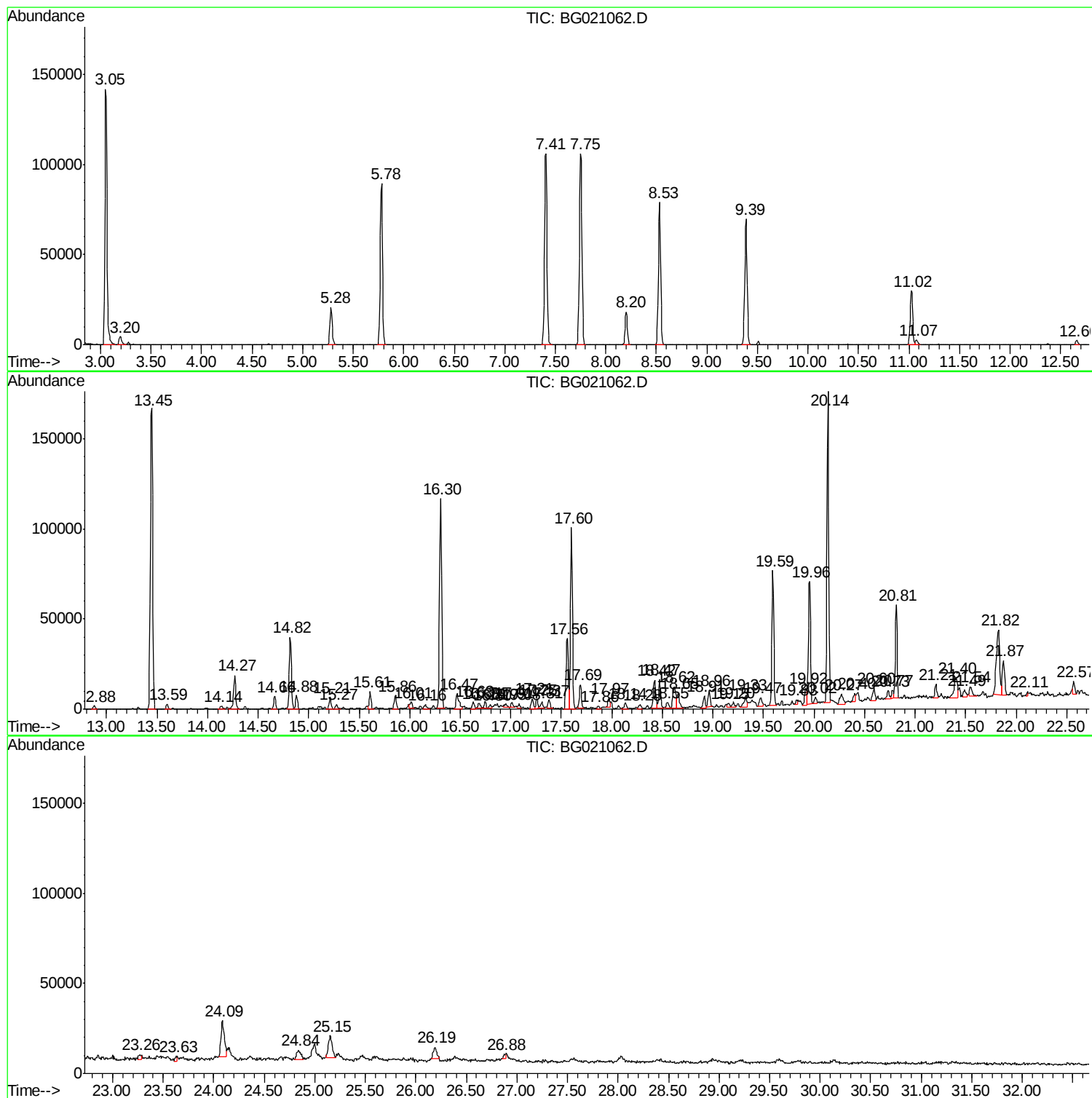
Sum of corrected areas: 2967060

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021062.D
Acq On : 24 Feb 2016 21:51
Operator : UM/SJ
Sample : H1521-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2(0-2)

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022316.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\BG022416\
Data File : BG021062.D
Acq On : 24 Feb 2016 21:51
Operator : UM/SJ
Sample : H1521-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2(0-2)

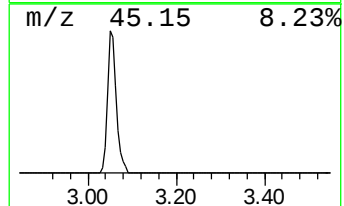
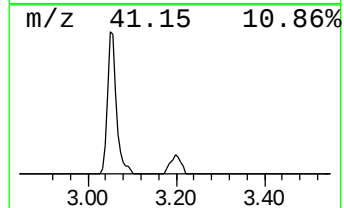
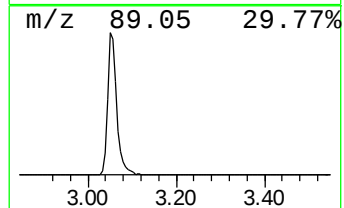
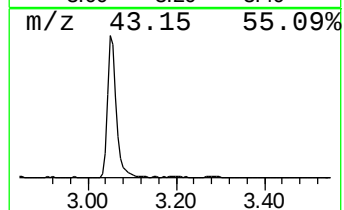
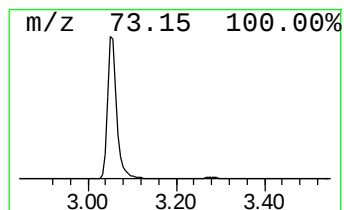
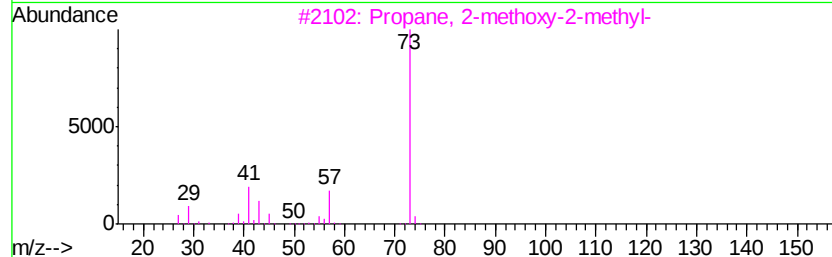
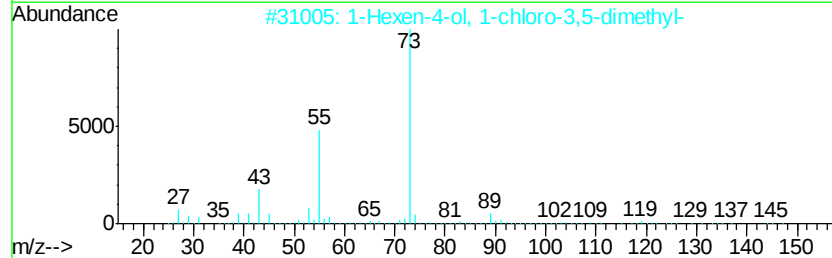
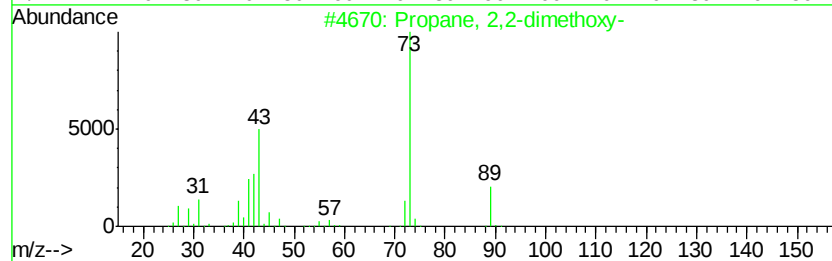
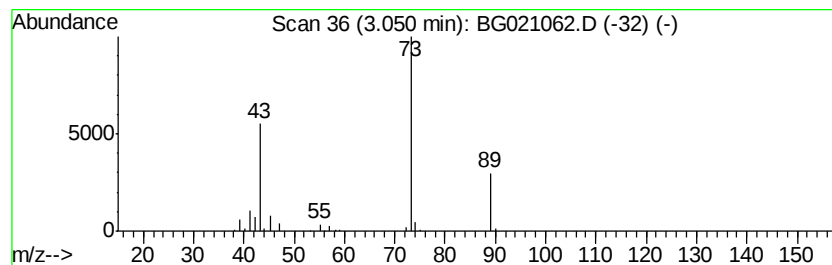
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.05	141.29 ng	199135	1,4-Dichlorobenzene-d4	8.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	72
2		1-Hexen-4-ol, 1-chloro-3,5-dimet...	162	C8H15ClO	100244-09-5	9
3		Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
4		Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	9
5		Borane, dimethoxy-	74	C2H7BO2	004542-61-4	7



Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021062.D
Acq On : 24 Feb 2016 21:51
Operator : UM/SJ
Sample : H1521-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2(0-2)

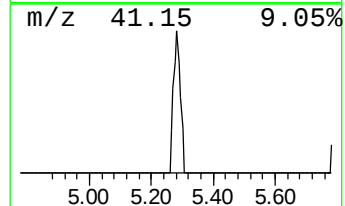
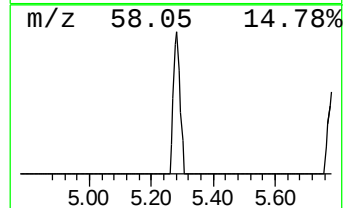
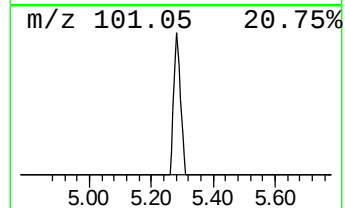
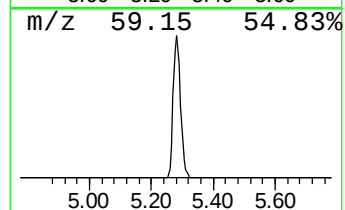
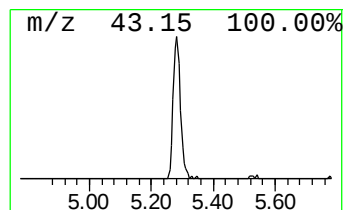
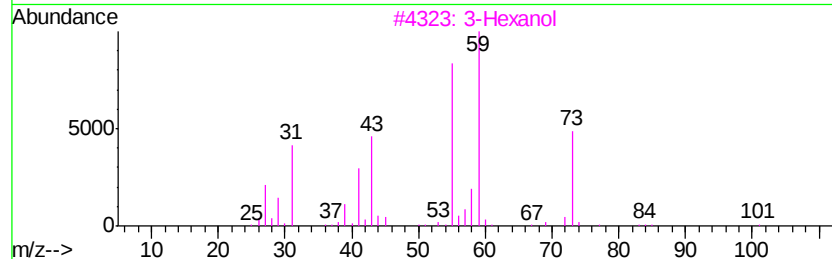
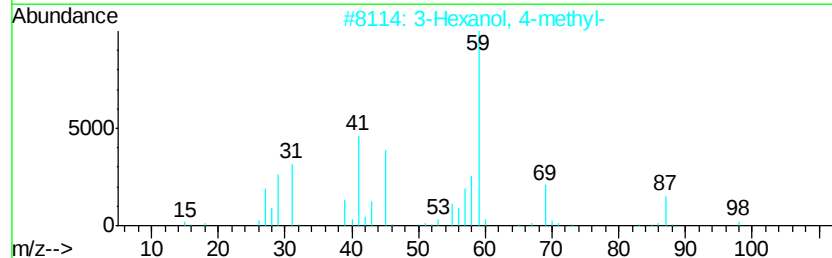
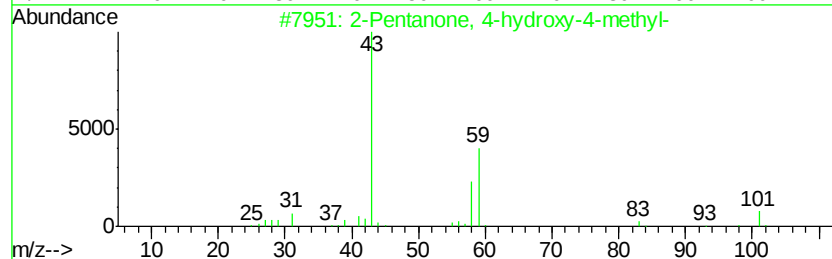
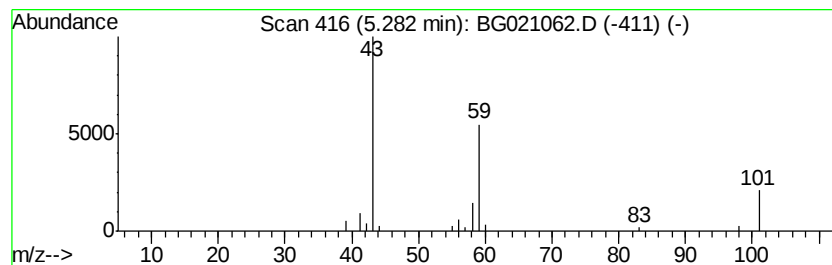
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.28	22.48 ng	31678	1,4-Dichlorobenzene-d4	8.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
3		3-Hexanol	102	C6H14O	000623-37-0	28
4		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5		Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	9



Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021062.D
Acq On : 24 Feb 2016 21:51
Operator : UM/SJ
Sample : H1521-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2(0-2)

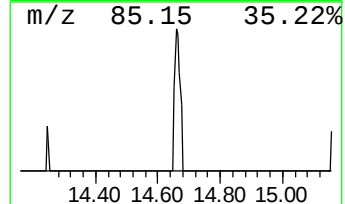
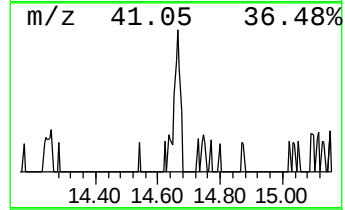
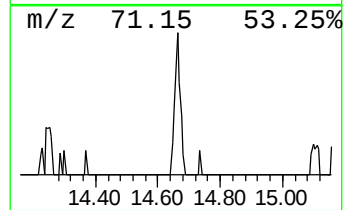
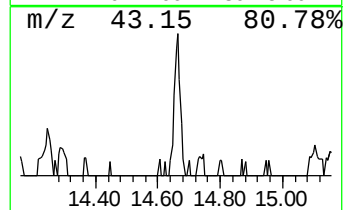
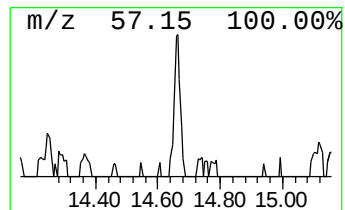
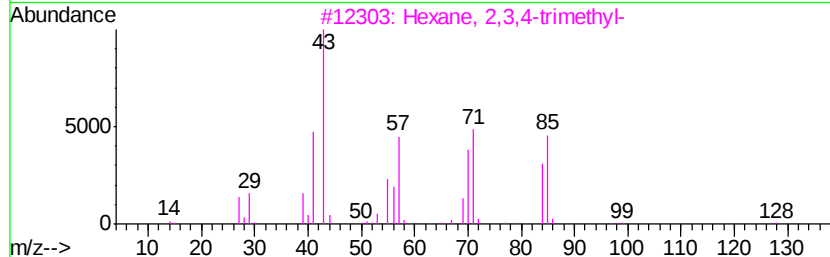
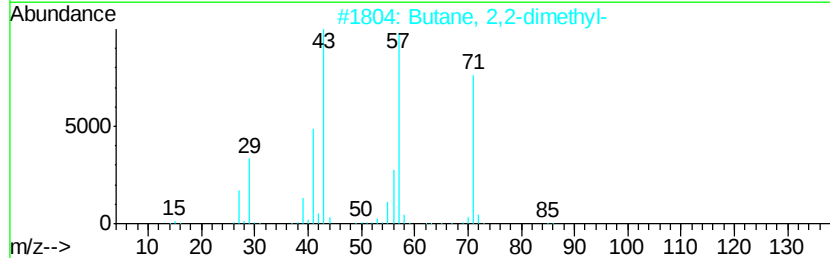
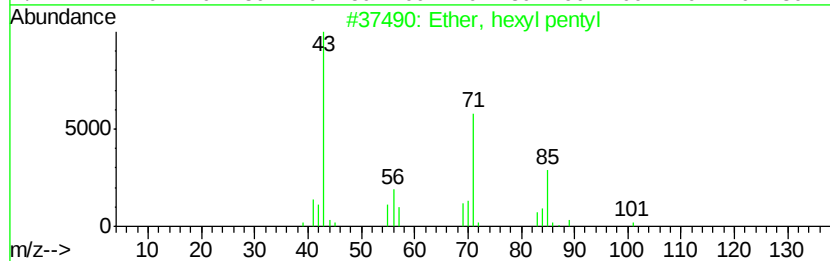
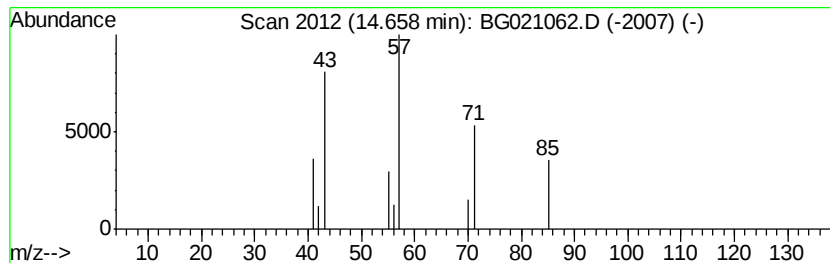
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown14.66 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.66	3.03 ng	9373	Acenaphthene-d10	14.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ether, hexyl pentyl	172	C11H24O	032357-83-8	40
2			Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	33
3			Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	33
4			1-Heptene, 4-methyl-	112	C8H16	013151-05-8	9
5			Cyclobutanemethanol, .alpha.-met...	100	C6H12O	007515-29-9	9



Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021062.D
Acq On : 24 Feb 2016 21:51
Operator : UM/SJ
Sample : H1521-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2(0-2)

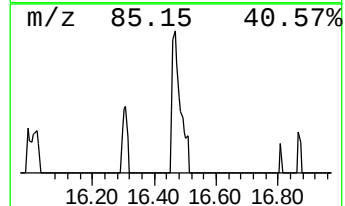
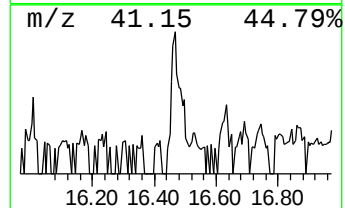
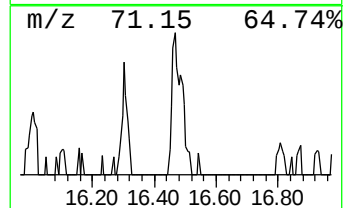
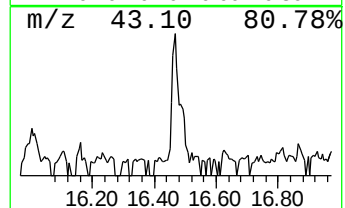
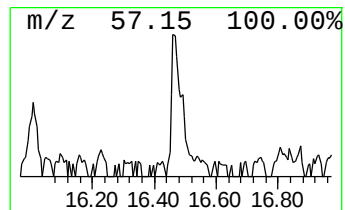
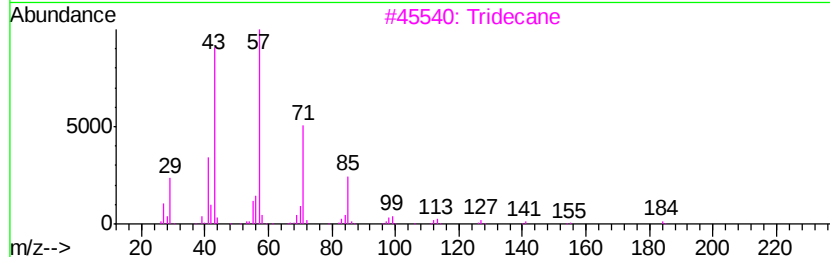
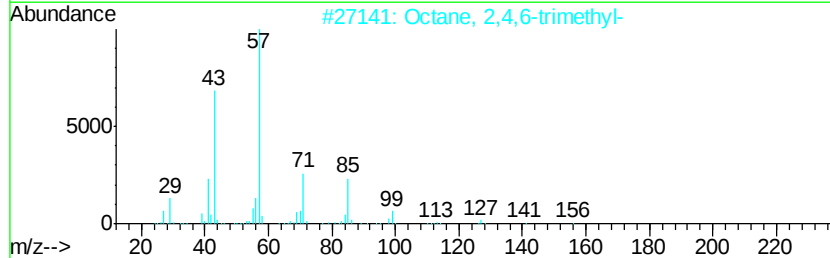
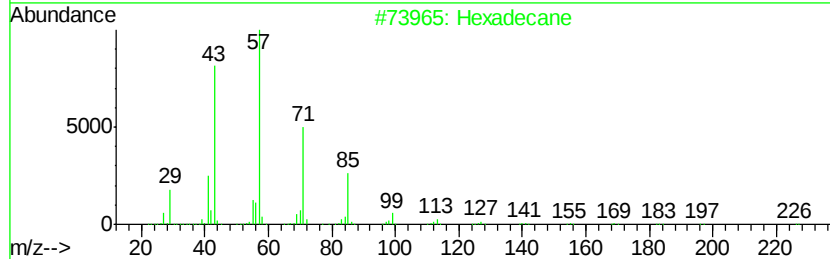
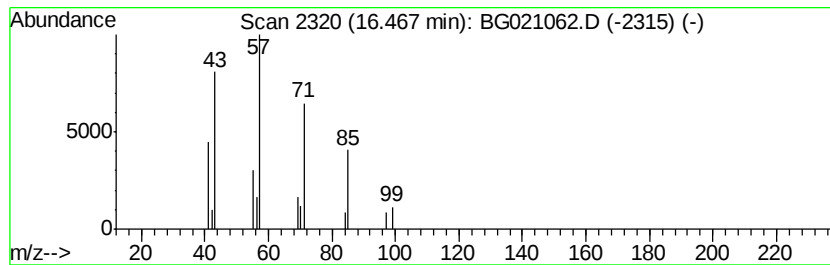
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Hexadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	5.76 ng	17167	Phenanthrene-d10	17.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane		226	C16H34	000544-76-3	83
2	Octane, 2,4,6-trimethyl-		156	C11H24	062016-37-9	74
3	Tridecane		184	C13H28	000629-50-5	64
4	Undecane		156	C11H24	001120-21-4	53
5	Decane, 2,2,6-trimethyl-		184	C13H28	062237-97-2	50



Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021062.D
Acq On : 24 Feb 2016 21:51
Operator : UM/SJ
Sample : H1521-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2(0-2)

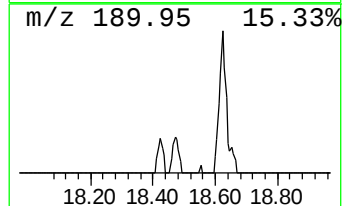
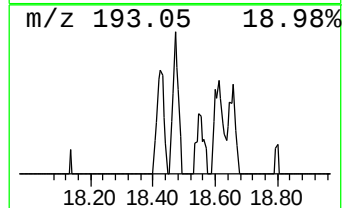
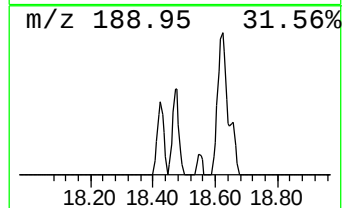
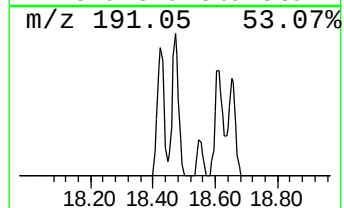
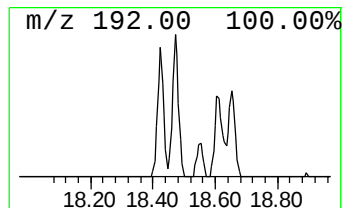
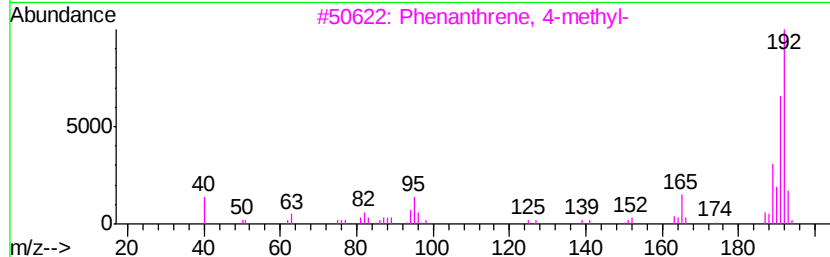
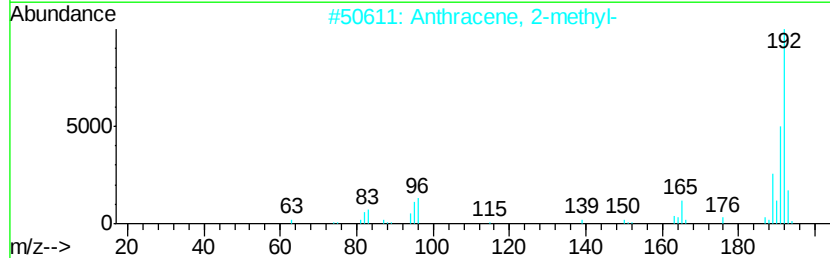
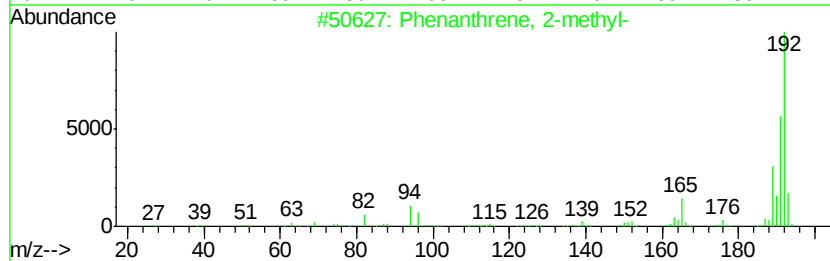
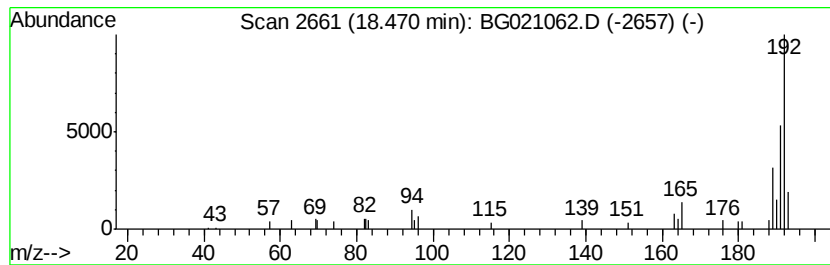
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	7.59 ng	22643	Phenanthrene-d10	17.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
3			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	81
4			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	81



Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021062.D
Acq On : 24 Feb 2016 21:51
Operator : UM/SJ
Sample : H1521-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2(0-2)

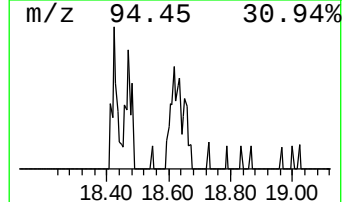
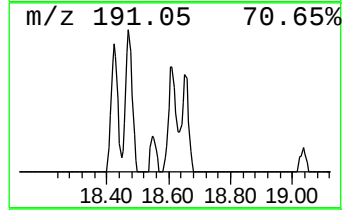
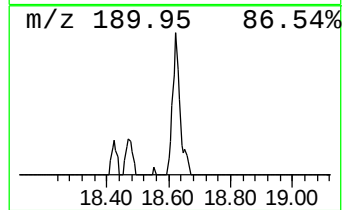
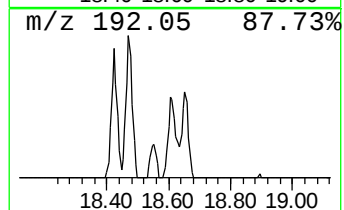
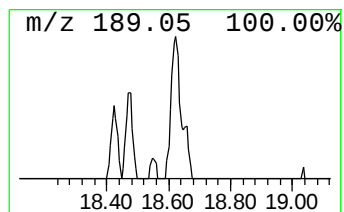
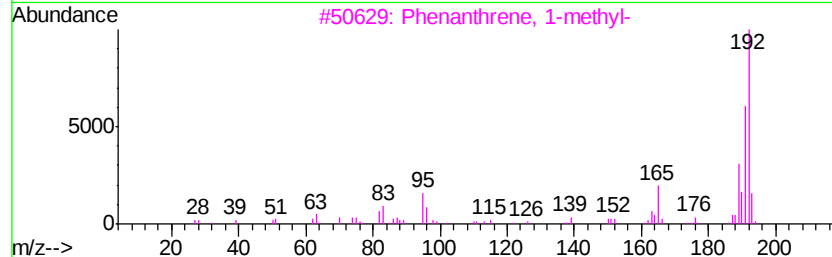
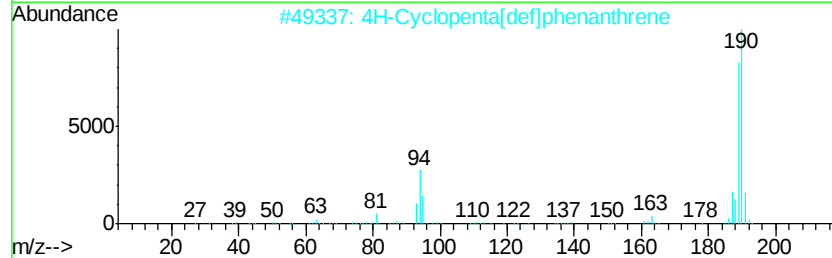
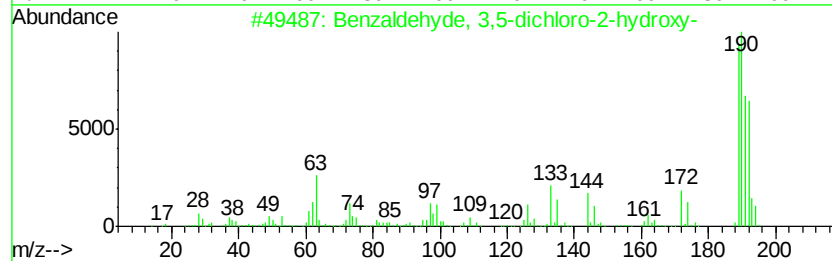
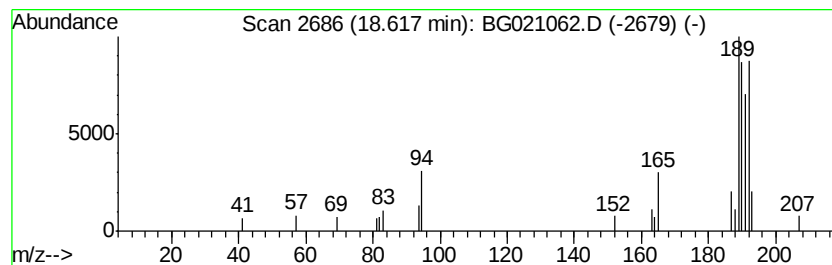
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benzaldehyde, 3,5-dichloro-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	9.36 ng	27910	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehydve, 3,5-dichloro-2-hvd...	190	C7H4Cl2O2	000090-60-8	59
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	38
5	Isoquinoline, 1-chloro-3-ethyl-	191	C11H10ClN	055150-52-2	38



Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021062.D
Acq On : 24 Feb 2016 21:51
Operator : UM/SJ
Sample : H1521-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2(0-2)

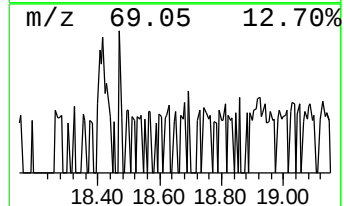
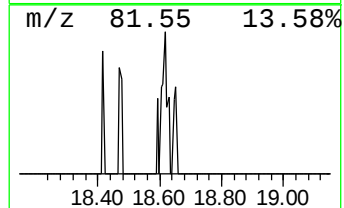
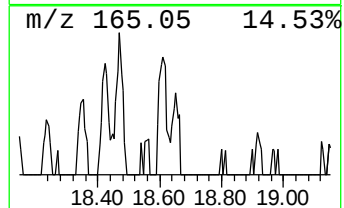
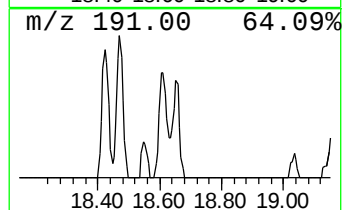
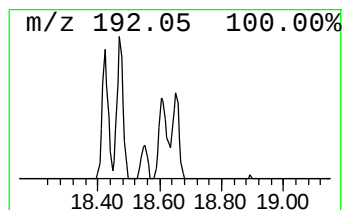
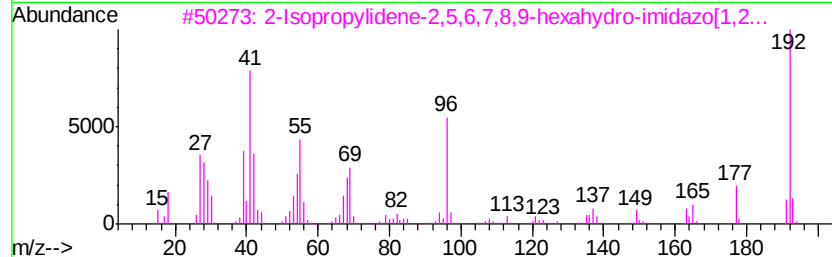
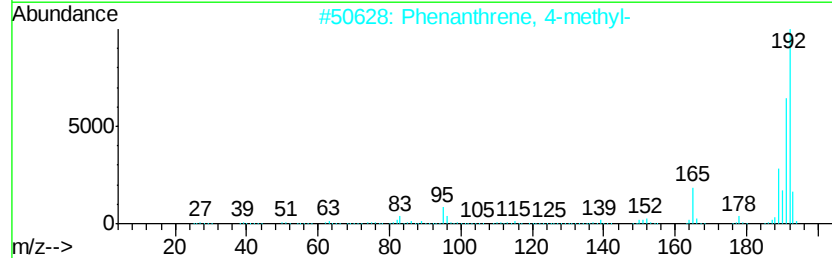
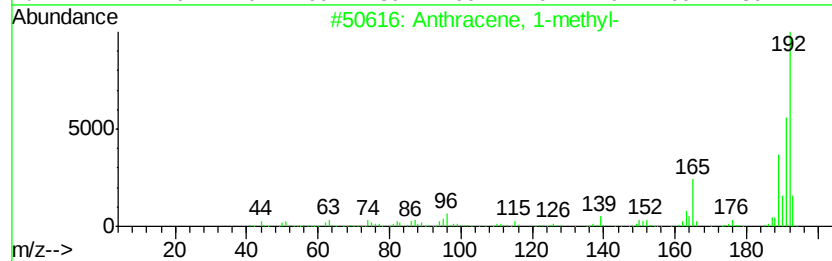
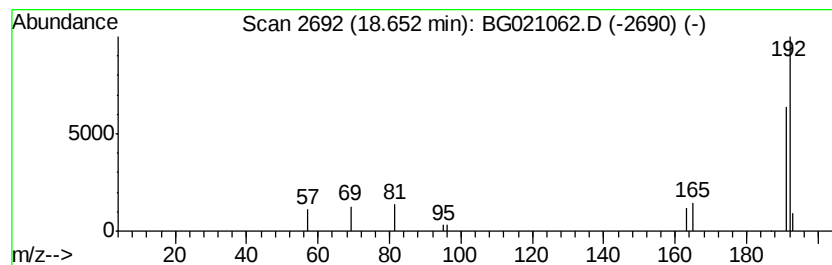
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
18.65	4.38 ng	13066	Phenanthrene-d10	17.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
2			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	45
3			2-Isopropylidene-2,5,6,7,8,9-hex...	192	C11H16N2O	172882-46-1	40
4			2,4-Imidazolidinedione, 5-(4-hyd...	192	C9H8N2O3	002420-17-9	9
5			4H-1-Benzopyran-4-one, 5,7-dihyd...	192	C10H8O4	001013-69-0	9



Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021062.D
Acq On : 24 Feb 2016 21:51
Operator : UM/SJ
Sample : H1521-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2(0-2)

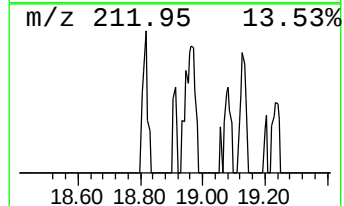
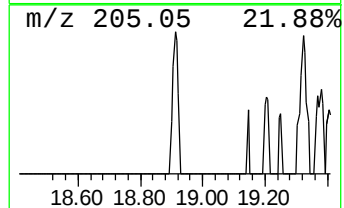
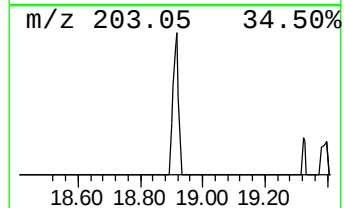
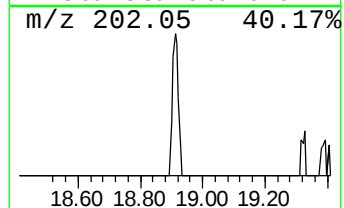
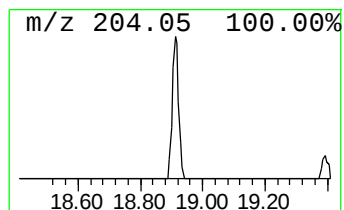
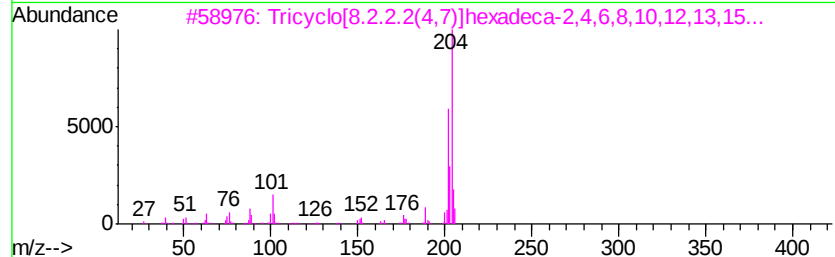
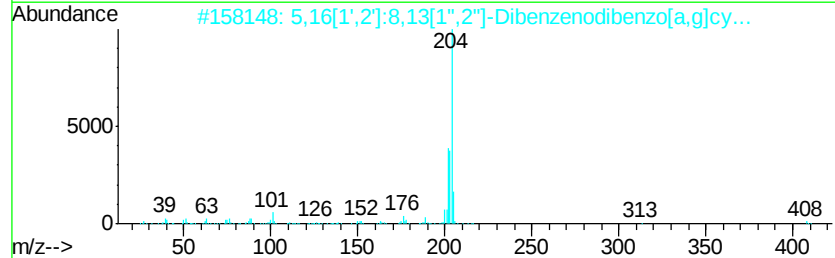
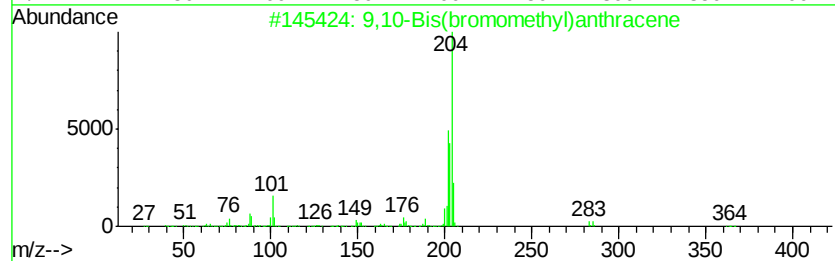
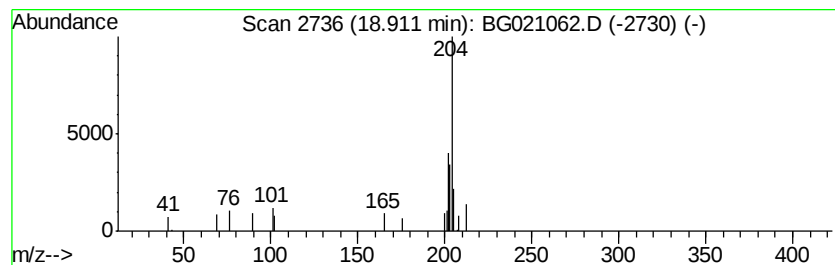
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 9,10-Bis(bromomethyl)anthra... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	3.52 ng	10502	Phenanthrene-d10	17.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	72
2			5,16[1',2'] : 8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
3			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	59
5			2-Phenyl-naphthalene	204	C16H12	035465-71-5	58



Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021062.D
Acq On : 24 Feb 2016 21:51
Operator : UM/SJ
Sample : H1521-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2(0-2)

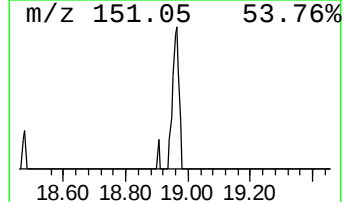
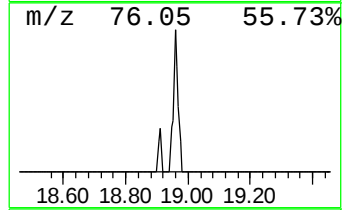
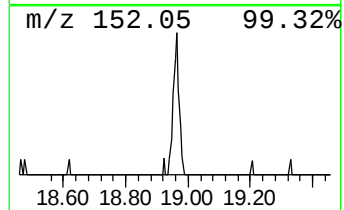
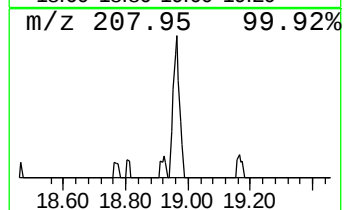
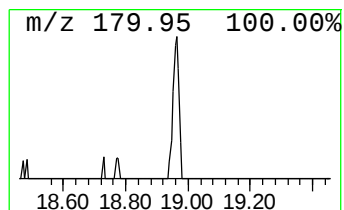
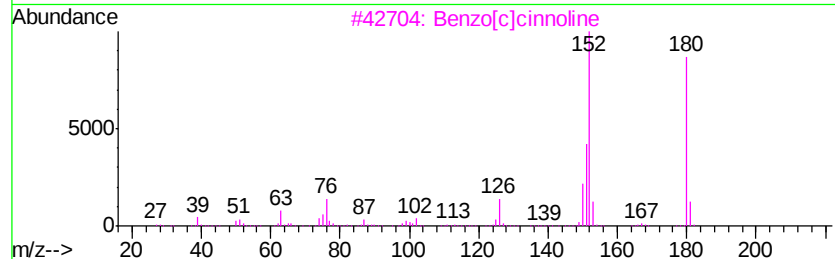
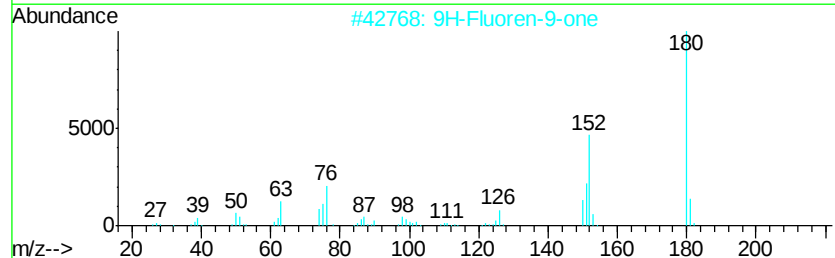
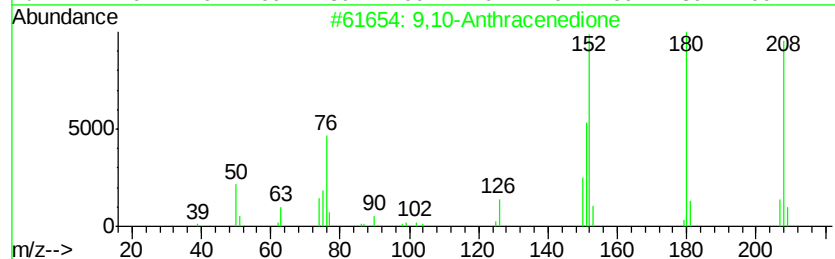
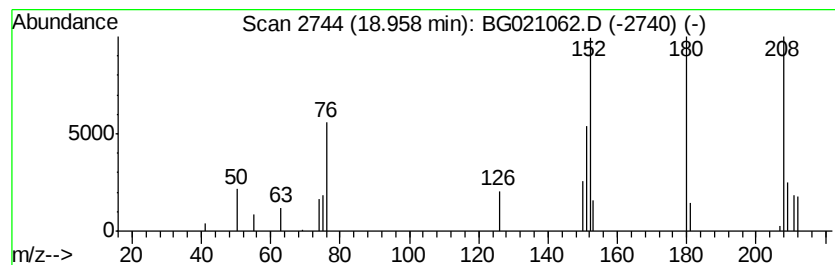
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	4.31 ng	12860	Phenanthrene-d10	17.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2			9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
3			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	58
4			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53
5			9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	47



Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021062.D
Acq On : 24 Feb 2016 21:51
Operator : UM/SJ
Sample : H1521-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2(0-2)

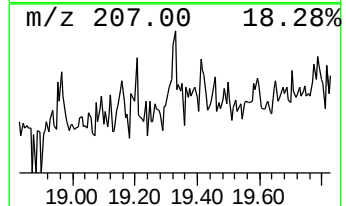
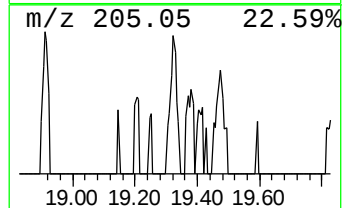
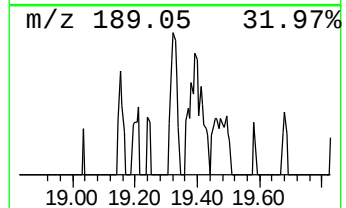
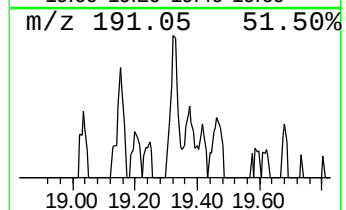
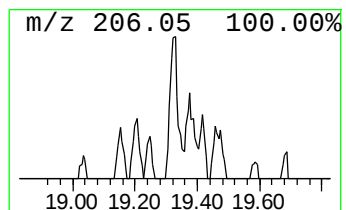
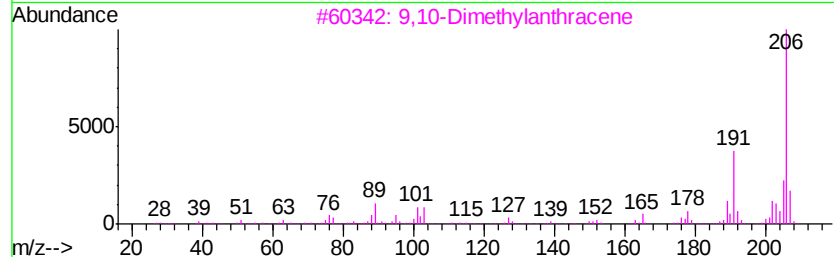
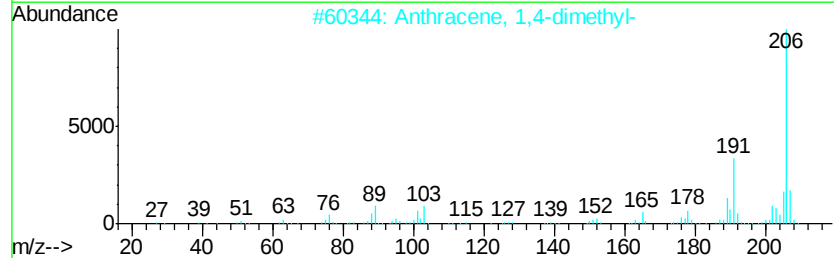
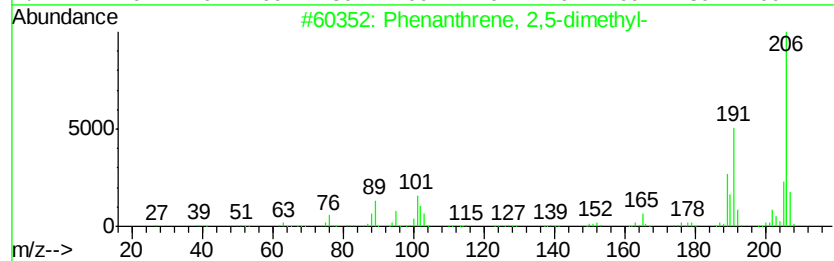
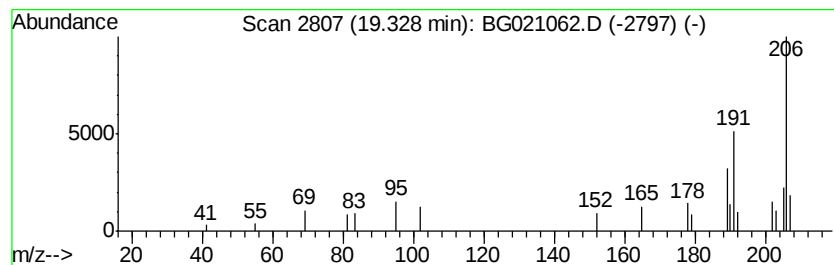
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.33	4.31 ng	12852	Phenanthrene-d10	17.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
2		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4		Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	87
5		di-p-Tolylacetylene	206	C16H14	002789-88-0	83



Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021062.D
Acq On : 24 Feb 2016 21:51
Operator : UM/SJ
Sample : H1521-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2(0-2)

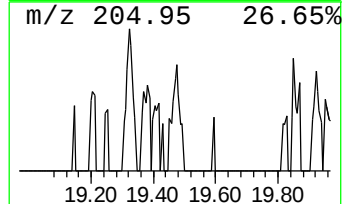
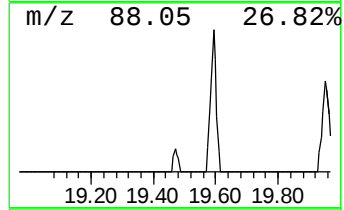
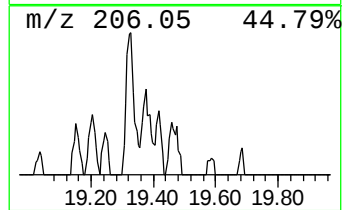
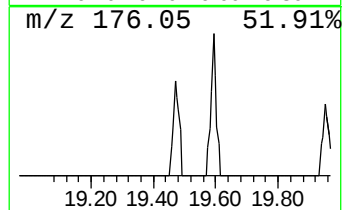
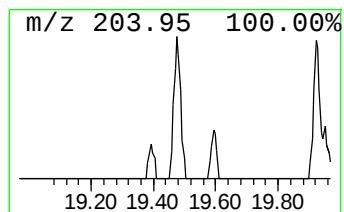
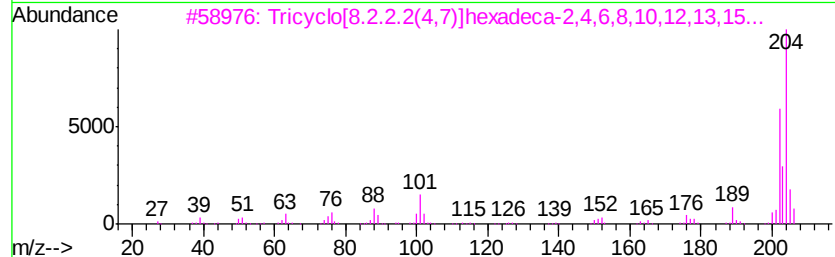
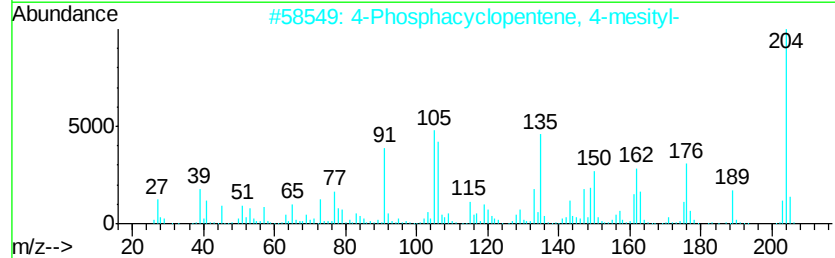
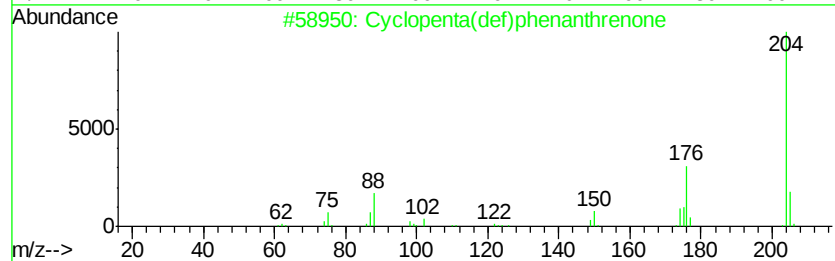
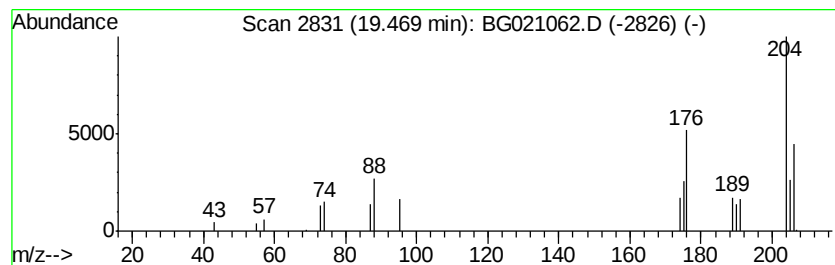
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.47	2.97 ng	8866	Phenanthrene-d10	17.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	52
2		4-Phosphacyclopentene, 4-mesityl-	204	C13H17P	214605-01-3	47
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	37
4		[1,1'-Biphenyl]-2-ol, 3-chloro-	204	C12H9ClO	000085-97-2	9
5		Acetic acid, trifluoro-, 4-methy...	204	C9H7F3O2	001813-29-2	9



Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021062.D
Acq On : 24 Feb 2016 21:51
Operator : UM/SJ
Sample : H1521-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2(0-2)

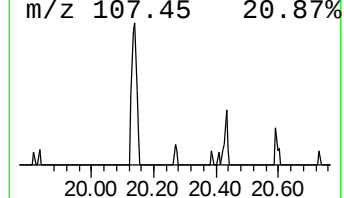
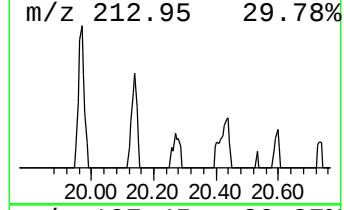
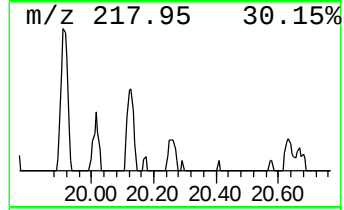
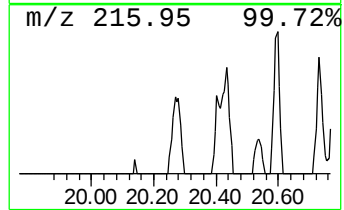
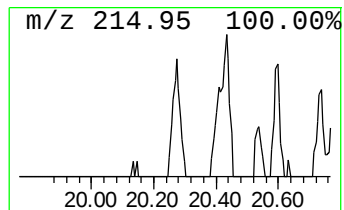
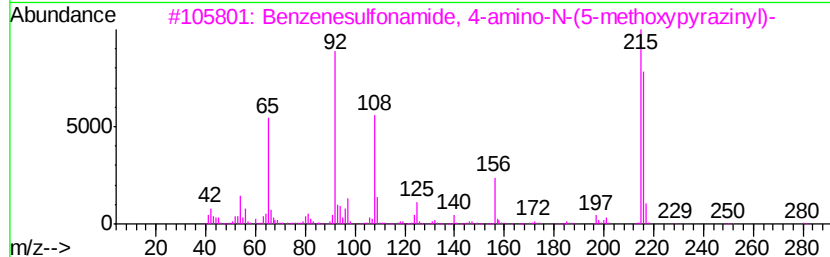
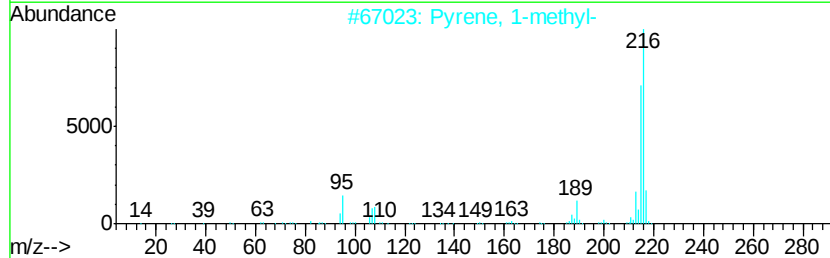
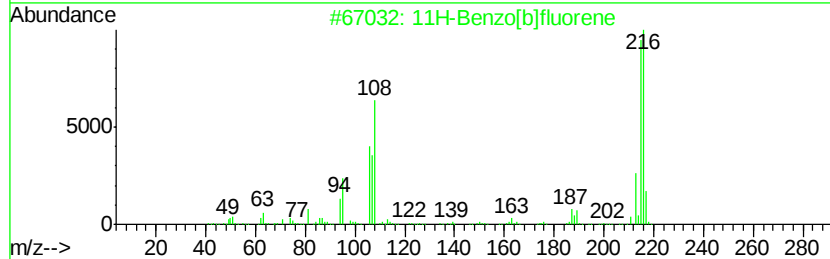
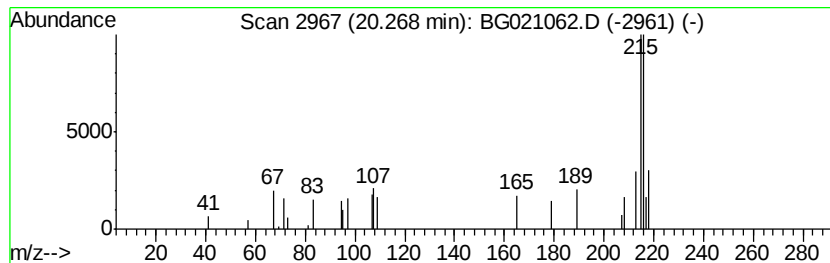
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
20.27	3.04 ng	12864	Chrysene-d12	21.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	52
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	50
3		Benzenesulfonamide, 4-amino-N-(5...	280	C11H12N4O3S	003373-93-1	40
4		Hydrazidiamantane	216	C14H20N2	1000138-39-6	22
5		5-Nitro-2,3-dimethyl-1,7-dimethy...	216	C12H12N2O2	056147-50-3	12



Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021062.D
Acq On : 24 Feb 2016 21:51
Operator : UM/SJ
Sample : H1521-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2(0-2)

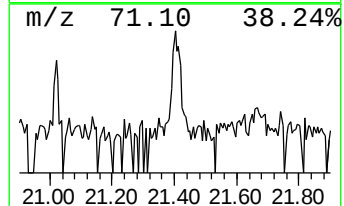
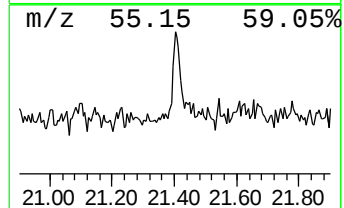
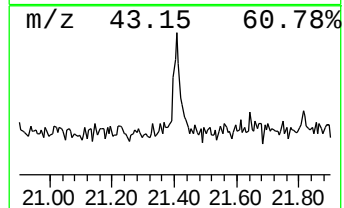
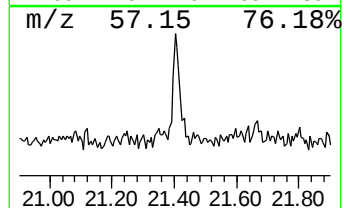
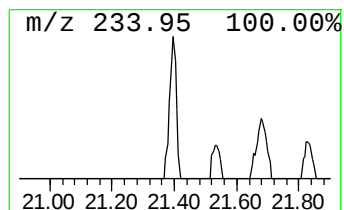
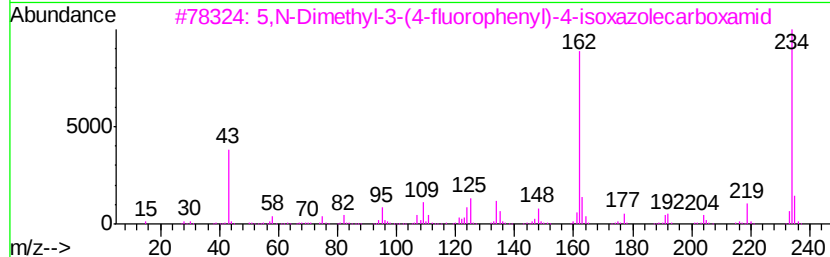
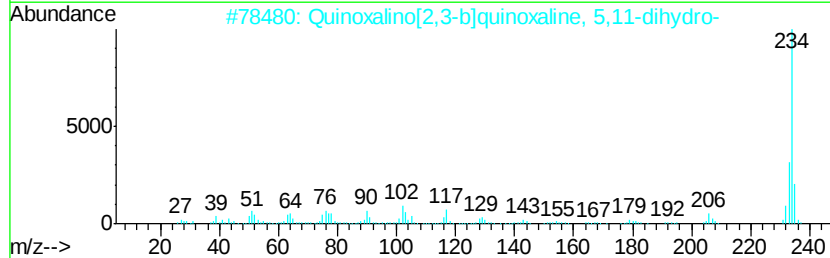
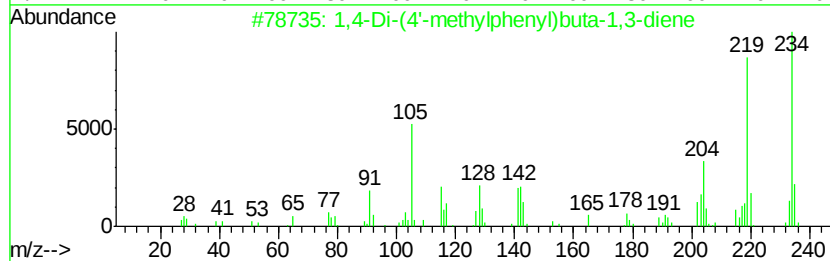
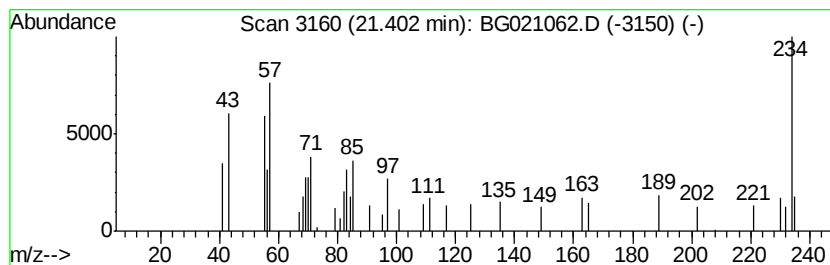
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown21.40 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.40	6.06 ng	25651	Chrysene-d12	21.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,4-Di-(4'-methylphenyl)buta-1,3...	234	C18H18	1000202-17-5	35
2		Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	35
3		5,N-Dimethyl-3-(4-fluorophenyl)-...	234	C12H11FN2O2	067764-99-2	30
4		Benzene, 1,1'-(2-cyclohexen-1-yl...	234	C18H18	031158-25-5	27
5		1-Bromo-4-bromomethyldecane	312	C11H22Br2	061639-11-0	22



Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021062.D
Acq On : 24 Feb 2016 21:51
Operator : UM/SJ
Sample : H1521-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2(0-2)

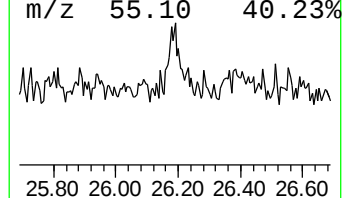
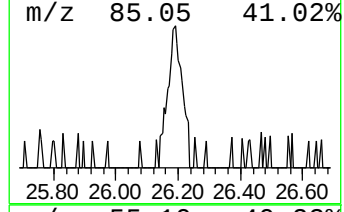
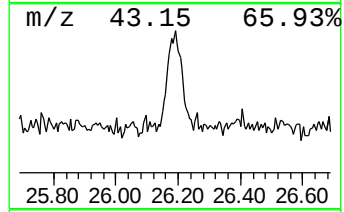
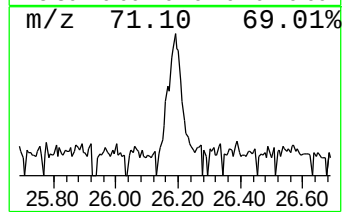
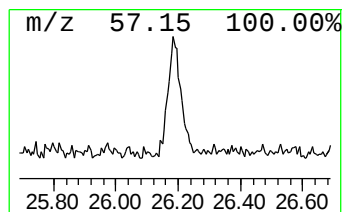
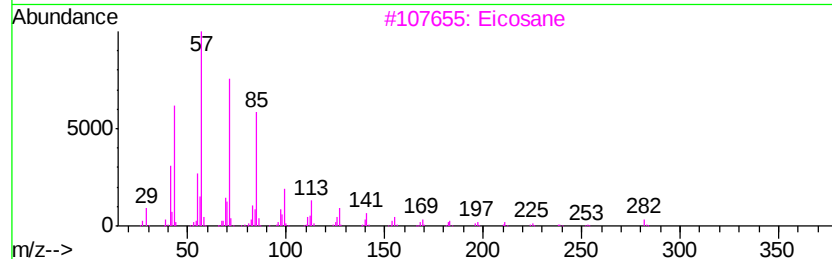
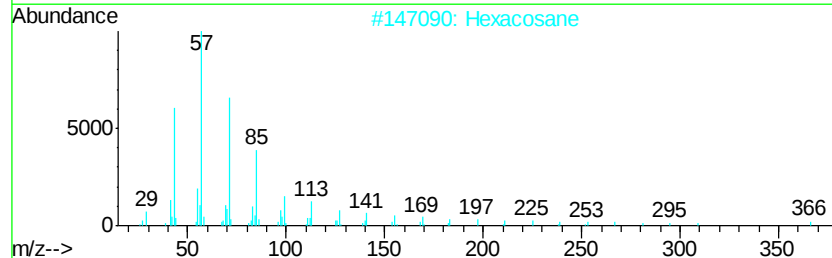
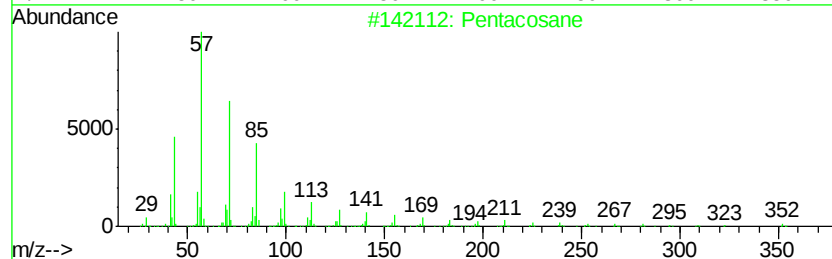
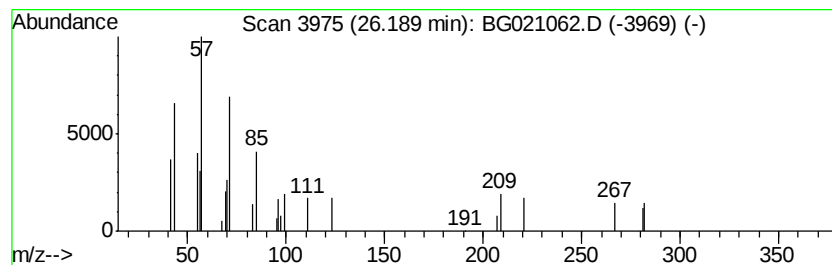
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown26.19 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.19	9.15 ng	14604	Perylene-d12	25.15

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentacosane	352	C25H52	000629-99-2	47
2			Hexacosane	366	C26H54	000630-01-3	47
3			Eicosane	282	C20H42	000112-95-8	43
4			Octadecane, 1-iodo-	380	C18H37I	000629-93-6	43
5			Heneicosane	296	C21H44	000629-94-7	43



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022416\
 Data File : BG021062.D
 Acq On : 24 Feb 2016 21:51
 Operator : UM/SJ
 Sample : H1521-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-2(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.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
Propane, 2,2-dime...	3.05	141.3	ng	199135	1	8.20	28188	20.0
2-Pentanone, 4-hy...	5.28	22.5	ng	31678	1	8.20	28188	20.0
unknown14.66	14.66	3.0	ng	9373	3	14.82	61938	20.0
Hexadecane	16.47	5.8	ng	17167	4	17.56	59651	20.0
Phenanthrene, 2-m...	18.47	7.6	ng	22643	4	17.56	59651	20.0
Benzaldehyde, 3,5...	18.62	9.4	ng	27910	4	17.56	59651	20.0
Anthracene, 1-met...	18.65	4.4	ng	13066	4	17.56	59651	20.0
9,10-Bis(bromomet...	18.91	3.5	ng	10502	4	17.56	59651	20.0
9,10-Anthracenedione	18.96	4.3	ng	12860	4	17.56	59651	20.0
Phenanthrene, 2,5...	19.33	4.3	ng	12852	4	17.56	59651	20.0
Cyclopenta(def)ph...	19.47	3.0	ng	8866	4	17.56	59651	20.0
11H-Benzo[b]fluorene	20.27	3.0	ng	12864	5	21.82	84726	20.0
unknown21.40	21.40	6.1	ng	25651	5	21.82	84726	20.0
unknown26.19	26.19	9.2	ng	14604	6	25.15	31912	20.0