LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022316\
Data File : BG021047.D
Acq On : 24 Feb 2016 5:13
Operator : UM/SJ
Sample : H1551-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P-07

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.061	33	38	54	rBV	276461	369745	100.00%	14.964%
2	3.196	58	61	69	rBB2	3858	6646	1.80%	0.269%
3	5.293	413	418	425	rBB	11797	18183	4.92%	0.736%
4	5.787	496	502	510	rBB	53967	86381	23.36%	3.496%
5	7.408	771	778	786	rBB	69558	116572	31.53%	4.718%
6	7.755	830	837	844	rBB	65532	109934	29.73%	4.449%
7	8.207	908	914	919	rBB	14943	23277	6.30%	0.942%
8	8.530	963	969	976	rBB	45992	76267	20.63%	3.087%
9	9.388	1109	1115	1122	rBB	44631	75110	20.31%	3.040%
10	11.027	1387	1394	1401	rBB	26588	46591	12.60%	1.886%
11	13.441	1799	1805	1812	rBB	116954	175086	47.35%	7.086%
12	14.269	1941	1946	1951	rBB	15195	20819	5.63%	0.843%
13	14.663	2009	2013	2016	rBB	4252	4153	1.12%	0.168%
14	14.816	2033	2039	2045	rBB2	41271	63312	17.12%	2.562%
15	15.609	2170	2174	2177	rVB	5425	6114	1.65%	0.247%
16	16.302	2287	2292	2298	rBB	91547	126856	34.31%	5.134%
17	16.466	2316	2320	2323	rBV	4537	6539	1.77%	0.265%
18	17.553	2498	2505	2509	rBV2	42842	62108	16.80%	2.514%
19	17.594	2509	2512	2517	rVB	10451	13791	3.73%	0.558%
20	18.417	2648	2652	2657	rBV3	3602	5309	1.44%	0.215%
21	18.469	2657	2661	2665	rVB2	3266	4452	1.20%	0.180%
22	18.652	2688	2692	2697	rVB	3039	4458	1.21%	0.180%
23	18.957	2739	2744	2751	rVB3	3924	5542	1.50%	0.224%
24	19.468	2824	2831	2837	rBV2	9292	13681	3.70%	0.554%
25	19.591	2846	2852	2857	rBV	89026	122646	33.17%	4.964%
26	19.909	2901	2906	2909	rBV	9668	13788	3.73%	0.558%
27	19.950	2909	2913	2920	rVB	91313	119902	32.43%	4.853%
28	20.014	2920	2924	2928	rBV	3285	4241	1.15%	0.172%
29	20.132	2938	2944	2949	rBV	130176	165899	44.87%	6.714%
30	20.261	2961	2966	2972	rVB5	4533	10180	2.75%	0.412%
31	20.396	2984	2989	3000	rBV6	3735	10108	2.73%	0.409%
32	20.590	3014	3022	3026	rBV3	6790	13116	3.55%	0.531%
33	20.731	3042	3046	3050	rBV4	3227	4592	1.24%	0.186%
34	20.796	3056	3057	3063	rVB4	2790	3736	1.01%	0.151%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022316\
Data File : BG021047.D
Acq On : 24 Feb 2016 5:13
Operator : UM/SJ
Sample : H1551-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P-07

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

35	20.849	3063	3066	3072	rBV6	2125	3748	1.01%	0.152%
36	21.201	3122	3126	3131	rBV2	14969	19462	5.26%	0.788%
37	21.383	3151	3157	3162	rBV3	6206	13532	3.66%	0.548%
38	21.430	3162	3165	3170	rVV2	5771	8687	2.35%	0.352%
39	21.489	3170	3175	3180	rVV3	6985	12475	3.37%	0.505%
40	21.542	3180	3184	3190	rVB2	9653	15184	4.11%	0.615%
41	21.806	3220	3229	3236	rBV2	51705	140790	38.08%	5.698%
42	21.871	3236	3240	3247	rVB	42428	67899	18.36%	2.748%
43	22.229	3296	3301	3302	rBV2	2958	3900	1.05%	0.158%
44	22.564	3355	3358	3362	rVV3	6080	9574	2.59%	0.387%
45	22.646	3365	3372	3377	rBV6	3324	6936	1.88%	0.281%
46	24.085	3607	3617	3624	rBV3	30849	103831	28.08%	4.202%
47	24.831	3736	3744	3754	rVB2	16601	44979	12.16%	1.820%
48	24.972	3760	3768	3779	rVB4	12858	33904	9.17%	1.372%
49	25.137	3787	3796	3803	rBV4	12849	36366	9.84%	1.472%
50	28.920	4429	4440	4456	rVB5	7828	33746	9.13%	1.366%
51	30.071	4628	4636	4637	rBV5	3893	6736	1.82%	0.273%

Sum of corrected areas: 2470883

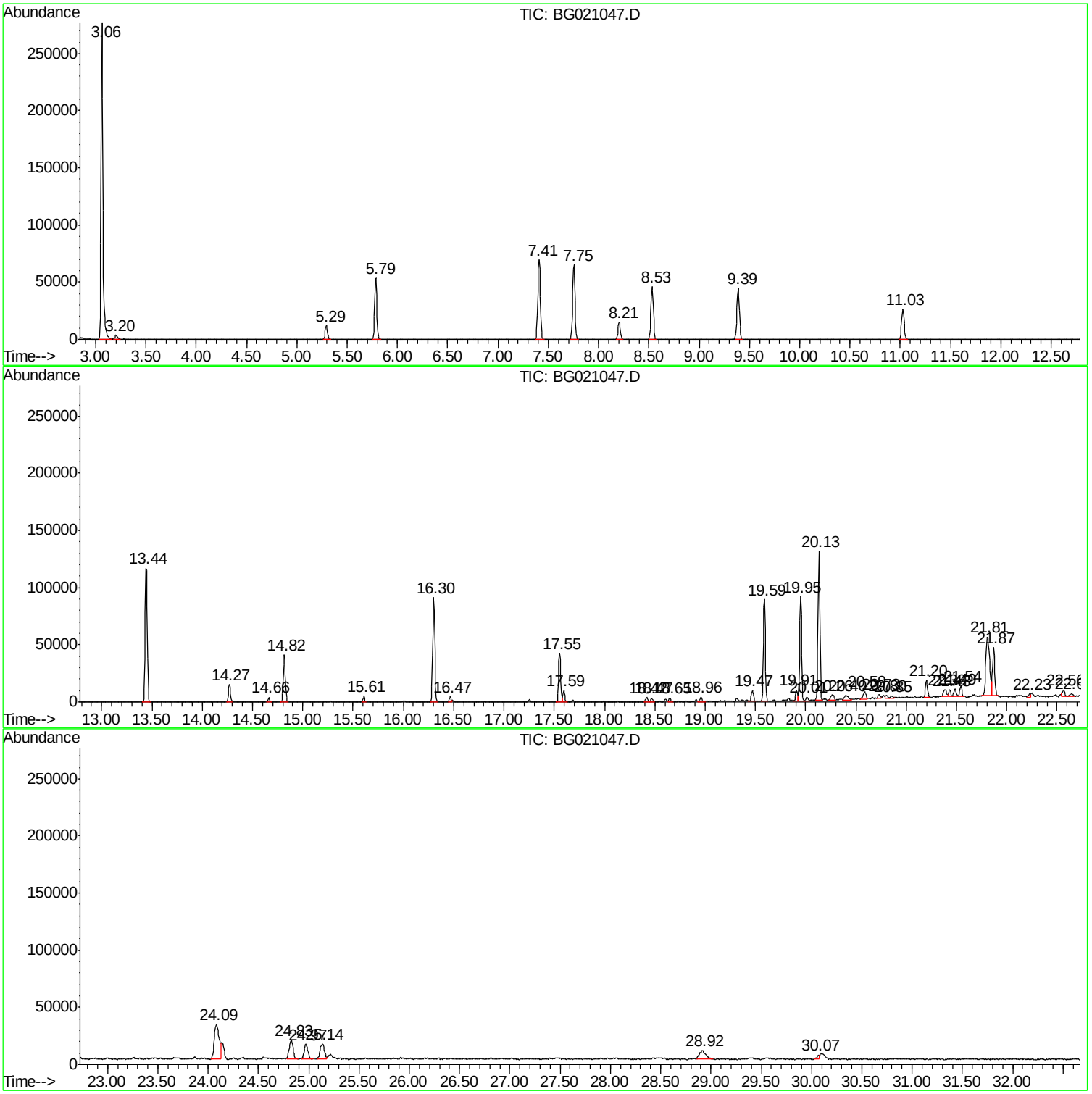
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022316\
Data File : BG021047.D
Acq On : 24 Feb 2016 5:13
Operator : UM/SJ
Sample : H1551-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P-07

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022316\
Data File : BG021047.D
Acq On : 24 Feb 2016 5:13
Operator : UM/SJ
Sample : H1551-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P-07

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

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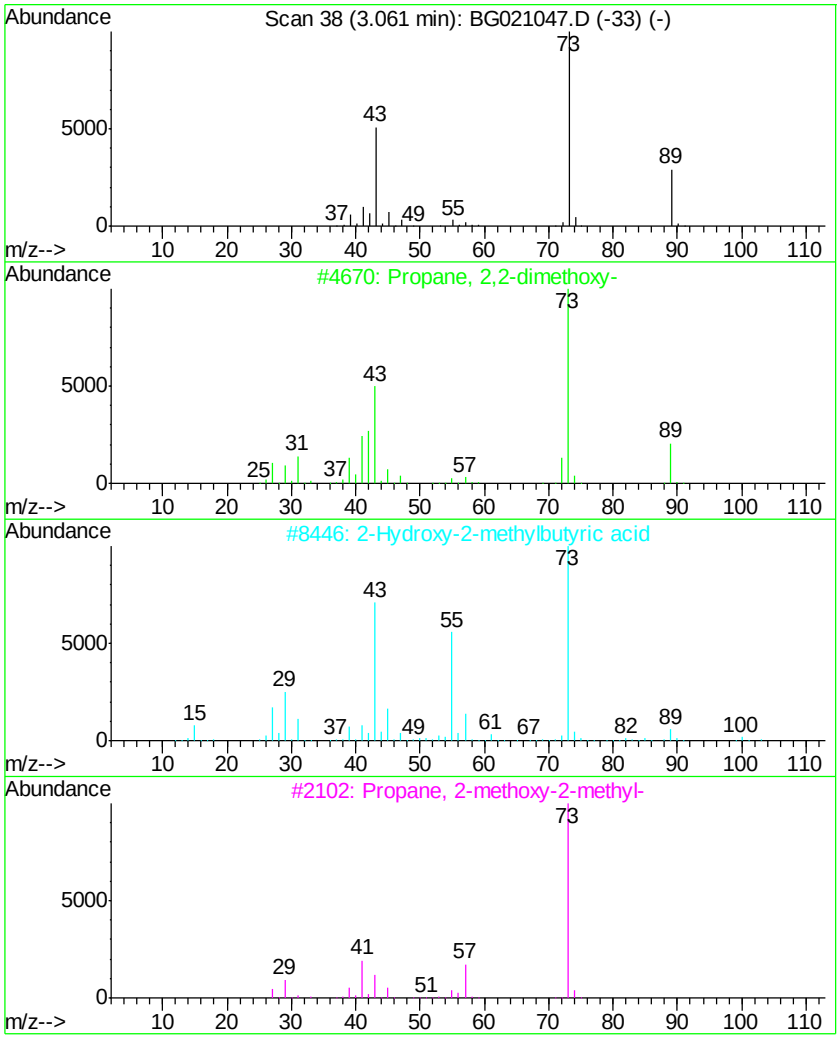
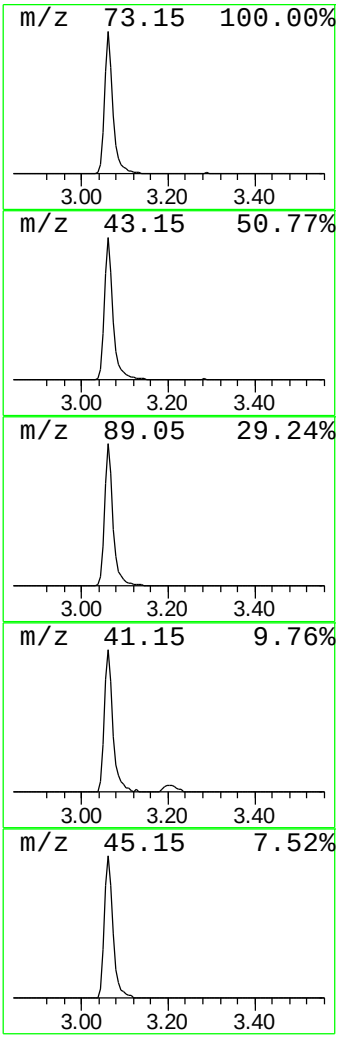
Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.06	317.69 ng	369745	1,4-Dichlorobenzene-d4	8.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	50
2	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9
3	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
4	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	7
5	1,3-Diaminoguanidine	89	CH7N5	004364-78-7	7





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022316\
Data File : BG021047.D
Acq On : 24 Feb 2016 5:13
Operator : UM/SJ
Sample : H1551-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P-07

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

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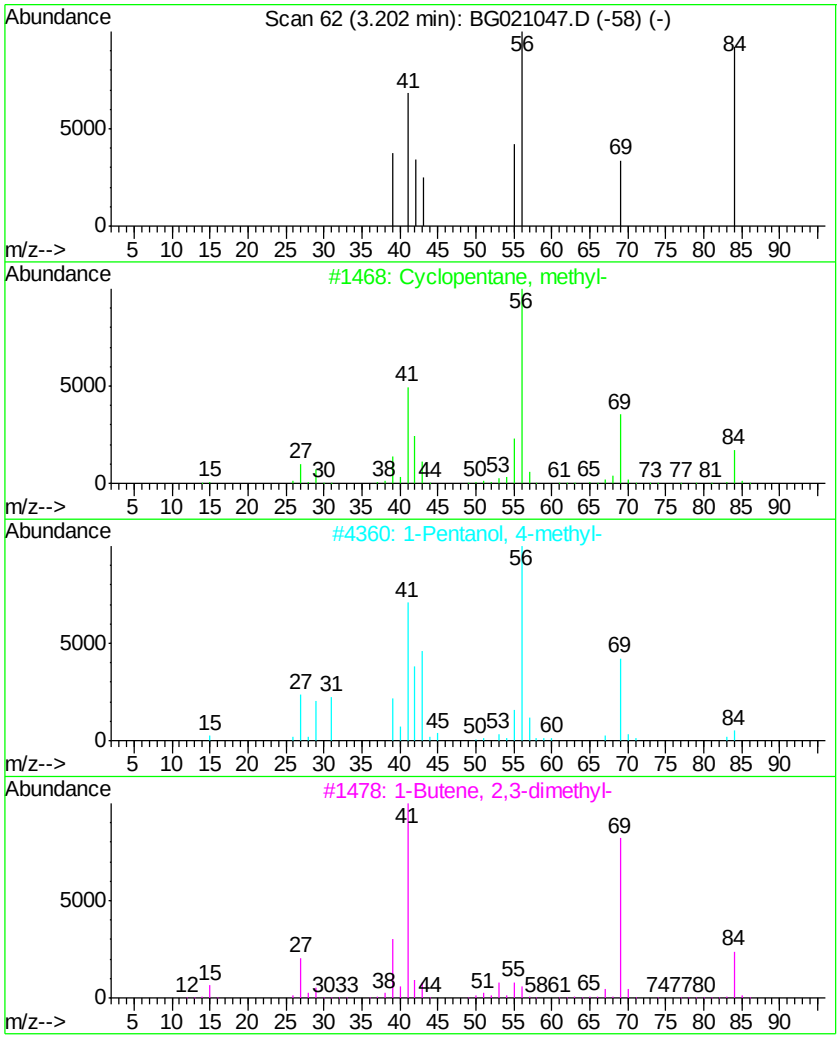
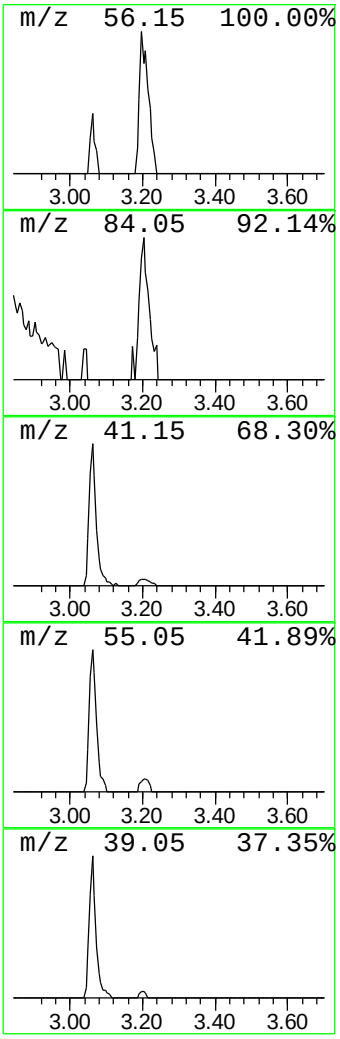
Peak Number 2 Cyclopentane, methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	5.71 ng	6646	1,4-Dichlorobenzene-d4	8.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	83
2	1-Pentanol, 4-methyl-	102	C6H14O	000626-89-1	9
3	1-Butene, 2,3-dimethyl-	84	C6H12	000563-78-0	5
4	Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	5
5	1-Butene, 3,3-dimethyl-	84	C6H12	000558-37-2	5





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022316\
Data File : BG021047.D
Acq On : 24 Feb 2016 5:13
Operator : UM/SJ
Sample : H1551-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P-07

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

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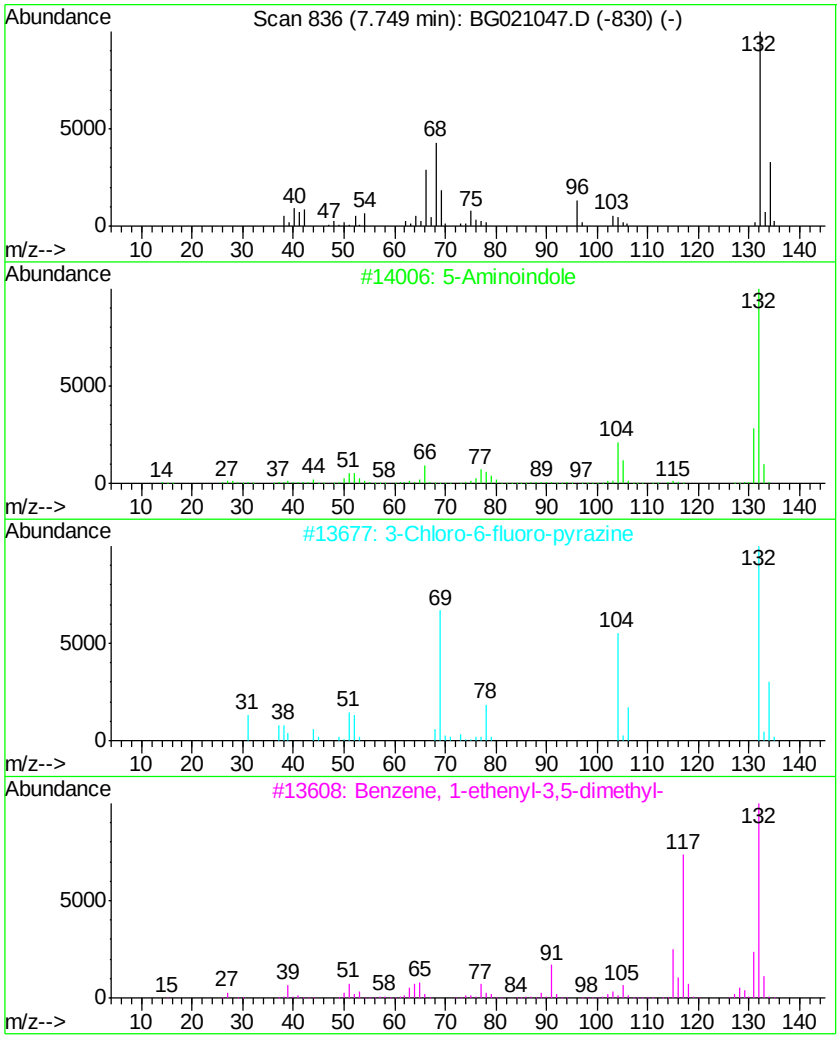
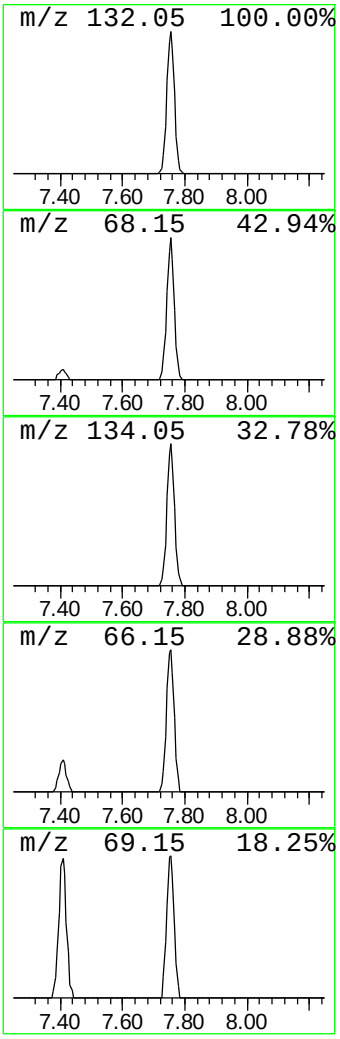
Peak Number 4 unknown7.75 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.75	94.46 ng	109934	1,4-Dichlorobenzene-d4	8.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Aminoindole	132	C8H8N2	005192-03-0	22
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9





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Data File : BG021047.D
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Operator : UM/SJ
Sample : H1551-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P-07

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

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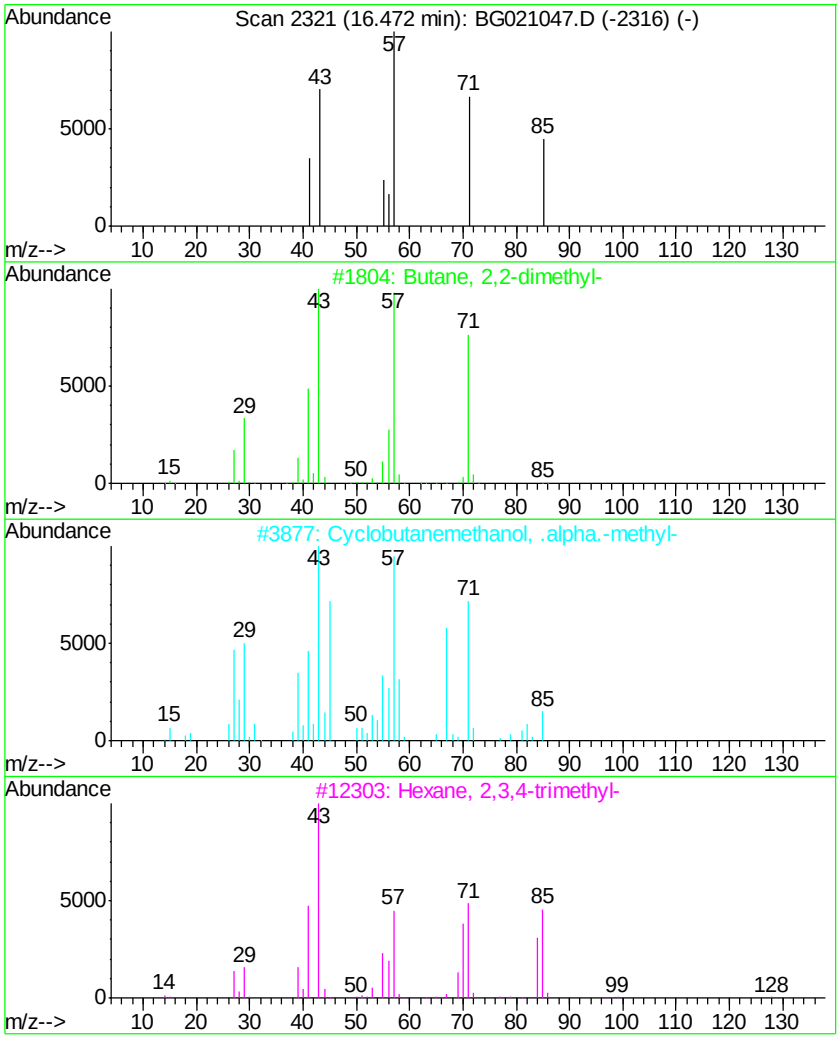
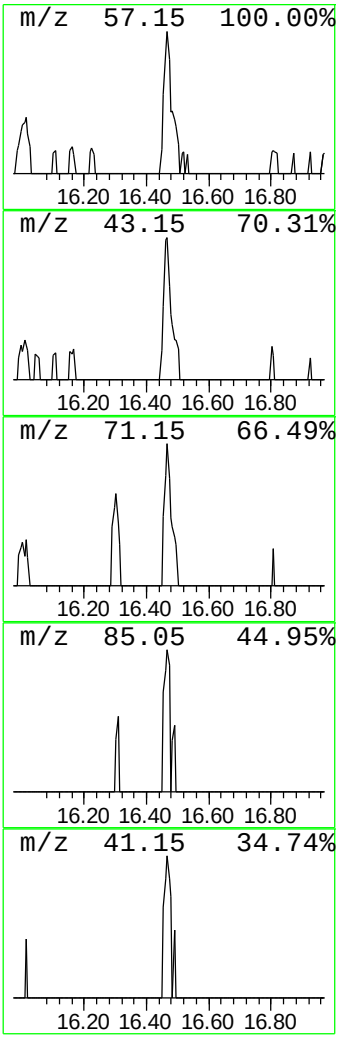
Peak Number 6 unknown16.47 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	2.11 ng	6539	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	33
2	Cyclobutanemethanol, .alpha.-met...	100	C6H12O	007515-29-9	9
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	9
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	9
5	Azetidine, 2-methyl-	71	C4H9N	019812-49-8	5





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Sample : H1551-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P-07

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

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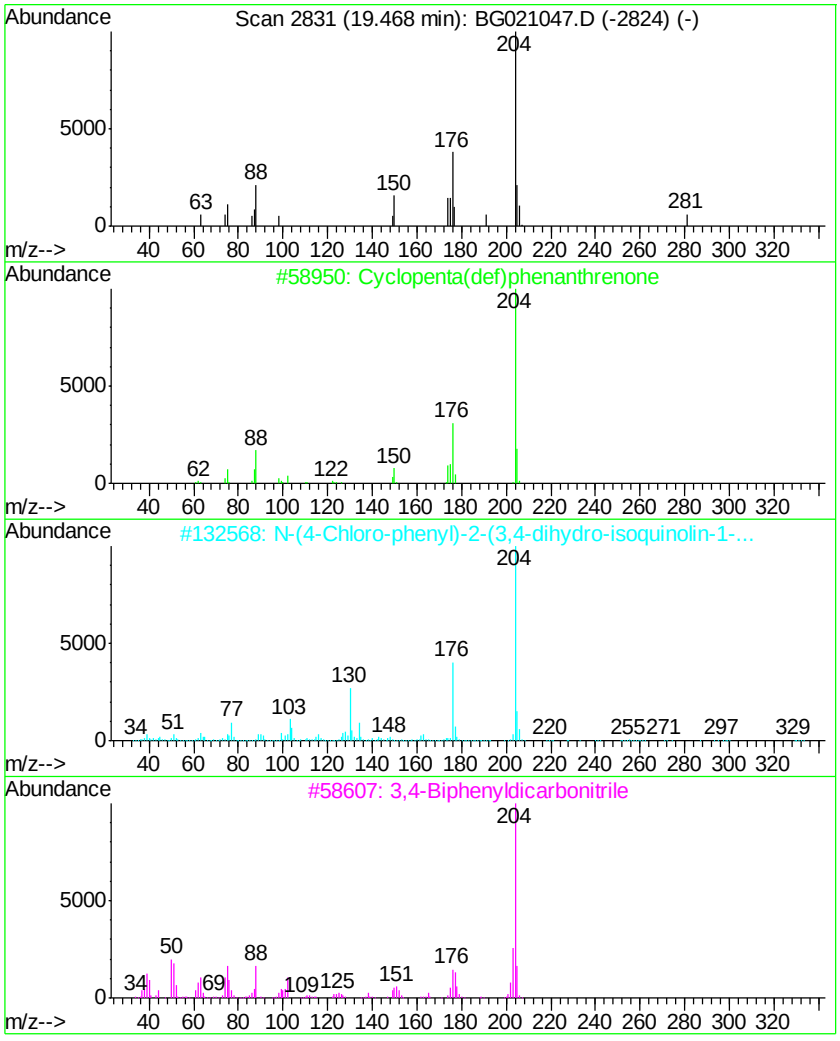
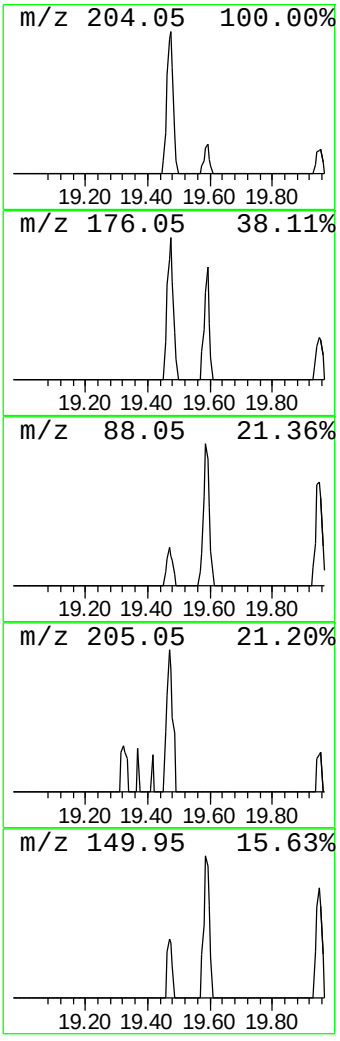
Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.47	4.41 ng	13681	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	45
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	45
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	38
5	Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	38





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Sample : H1551-02
Misc :
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Instrument : BNA_G
ClientSampleId : P-07

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

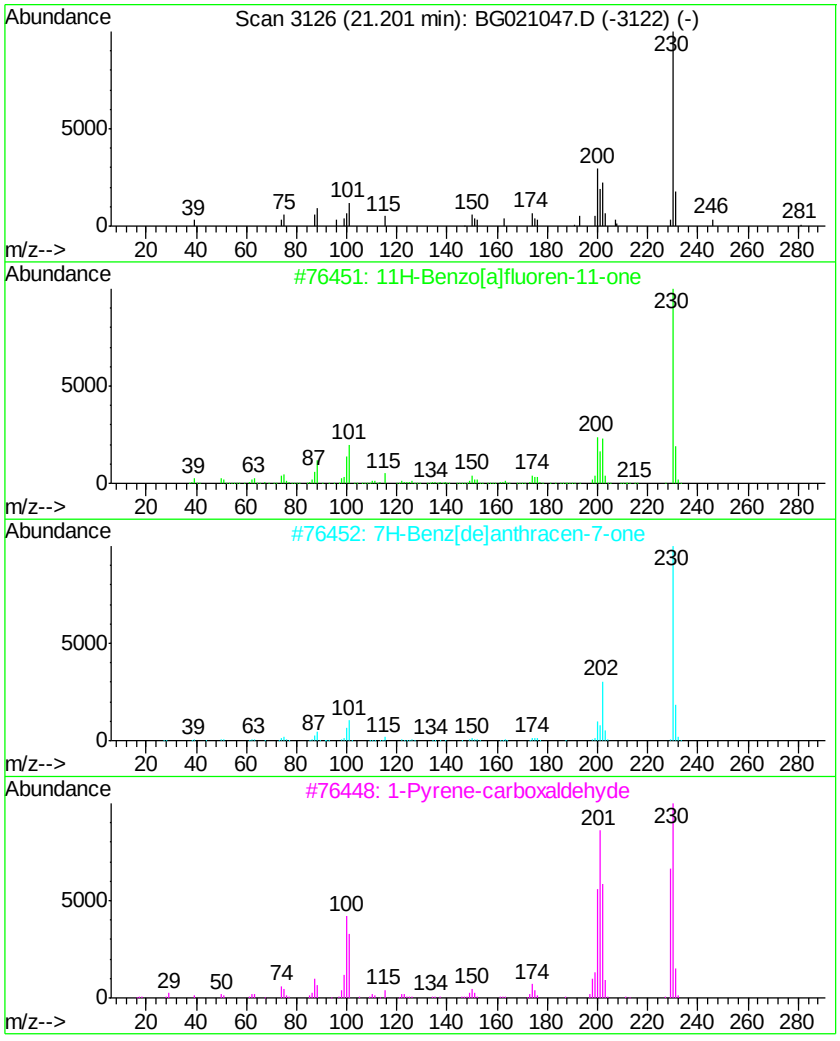
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

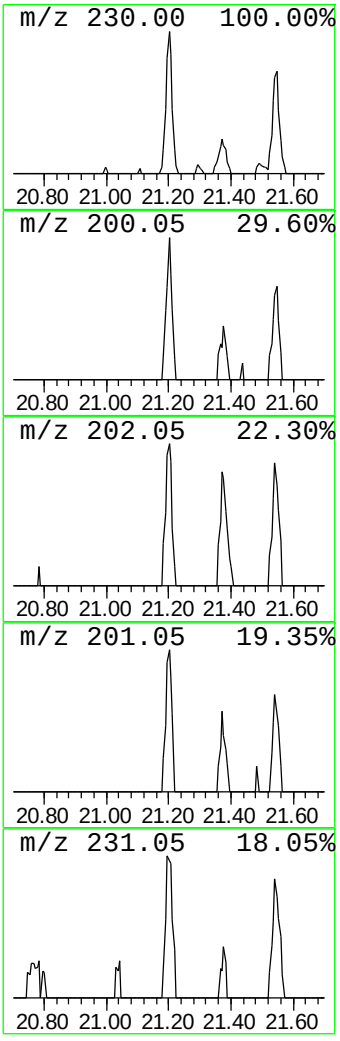
****

Peak Number 8 11H-Benzo[a]fluoren-11-one Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.20	2.76 ng	19462	Chrysene-d12	21.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
3	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	50
4	o-Terphenyl	230	C18H14	000084-15-1	50
5	9-Chloro-1-phenazinol	230	C12H7ClN2O	091268-03-0	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022316\
Data File : BG021047.D
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Operator : UM/SJ
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Misc :
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Instrument : BNA_G
ClientSampleId : P-07

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propane, 2,2-dime...	3.06	317.7	ng	369745	1	8.20	23277	20.0
Cyclopentane, met...	3.20	5.7	ng	6646	1	8.20	23277	20.0
unknown7.75	7.75	94.5	ng	109934	1	8.20	23277	20.0
unknown16.47	16.47	2.1	ng	6539	4	17.55	62108	20.0
Cyclopenta(def)ph...	19.47	4.4	ng	13681	4	17.55	62108	20.0
11H-Benzo[a]fluor...	21.20	2.8	ng	19462	5	21.82	140790	20.0