LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG071316\
Data File : BG023071.D
Acq On : 13 Jul 2016 15:50
Operator : UM/SJ
Sample : H3946-09
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M8-B3(6-12)C

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-BG070816.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	3.038	29	34	61	rVB	5451864	8881762	100.00%	17.027%
2	5.224	400	406	412	rBV	348452	553984	6.24%	1.062%
3	5.700	479	487	497	rBV	1593345	2607455	29.36%	4.999%
4	7.310	753	761	771	rVB	1785302	3167613	35.66%	6.072%
5	7.680	816	824	833	rBV	1670510	2920750	32.88%	5.599%
6	8.150	898	904	911	rVB2	337247	594995	6.70%	1.141%
7	8.479	952	960	967	rBV	1190097	2082639	23.45%	3.993%
8	9.325	1095	1104	1116	rBV	1143733	2055090	23.14%	3.940%
9	10.982	1377	1386	1396	rBV	519775	949122	10.69%	1.820%
10	13.420	1793	1801	1812	rBV	3090307	4982493	56.10%	9.552%
11	14.237	1932	1940	1947	rBV	598687	924621	10.41%	1.773%
12	14.801	2028	2036	2045	rBV2	960822	1610092	18.13%	3.087%
13	16.293	2283	2290	2307	rBV	3331688	5108061	57.51%	9.792%
14	17.280	2454	2458	2463	rBV2	84082	107748	1.21%	0.207%
15	17.557	2498	2505	2511	rBV2	1377465	2145340	24.15%	4.113%
16	18.426	2646	2653	2661	rBV2	290271	466385	5.25%	0.894%
17	18.708	2696	2701	2709	rVB3	75067	133966	1.51%	0.257%
18	19.689	2865	2868	2873	rBV4	93806	114822	1.29%	0.220%
19	20.159	2942	2948	2954	rBV	5742121	7787056	87.67%	14.928%
20	21.470	3168	3171	3180	rBV5	140342	316455	3.56%	0.607%
21	21.722	3211	3214	3220	rVB	93787	125874	1.42%	0.241%
22	21.863	3231	3238	3245	rBV2	1417885	2436588	27.43%	4.671%
23	25.253	3805	3815	3824	rBV2	704740	2090574	23.54%	4.008%

Sum of corrected areas: 52163485

LSC Report - Integrated Chromatogram

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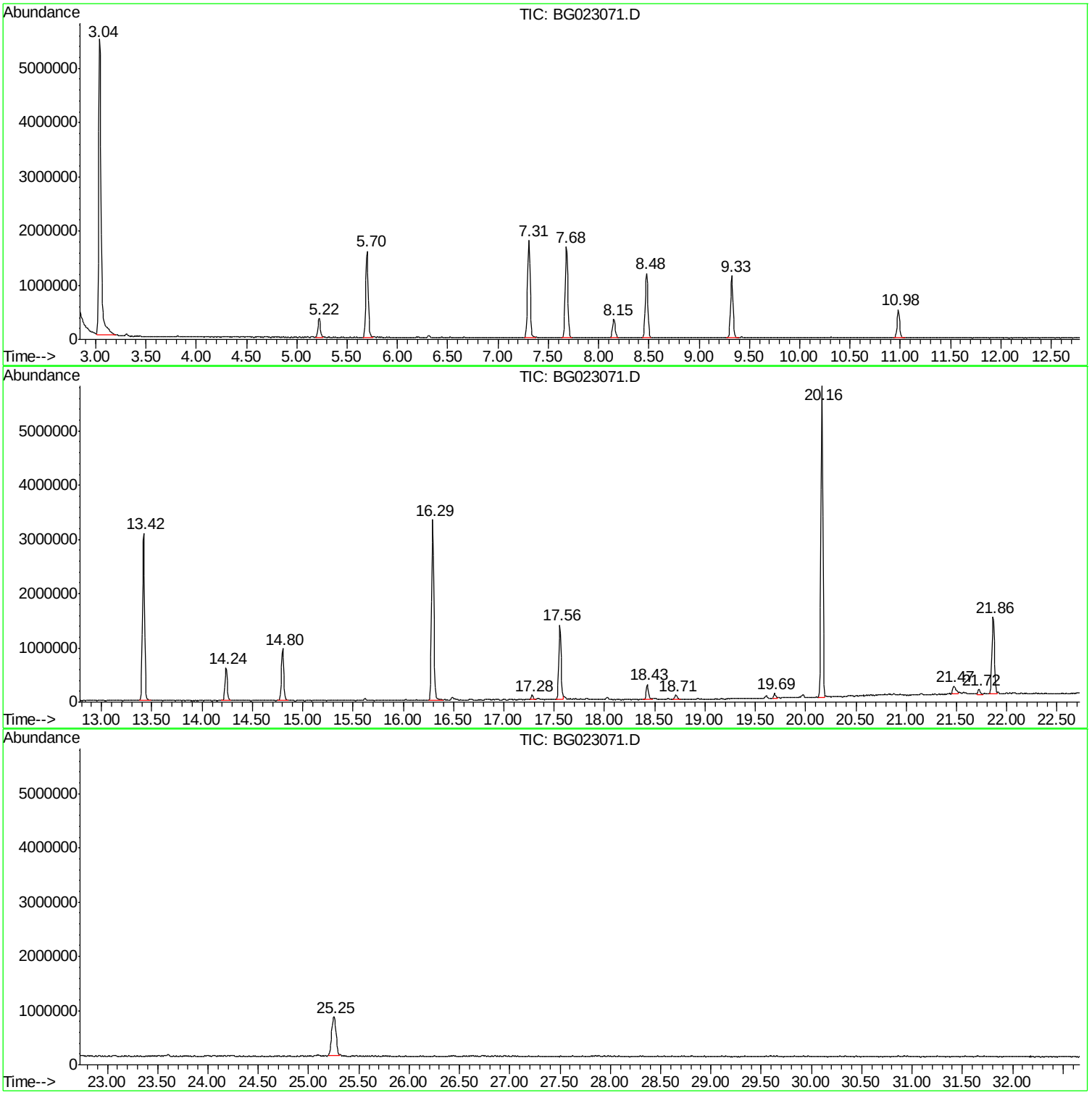
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M8-B3(6-12)C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.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\BG071316\
Data File : BG023071.D
Acq On : 13 Jul 2016 15:50
Operator : UM/SJ
Sample : H3946-09
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M8-B3(6-12)C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.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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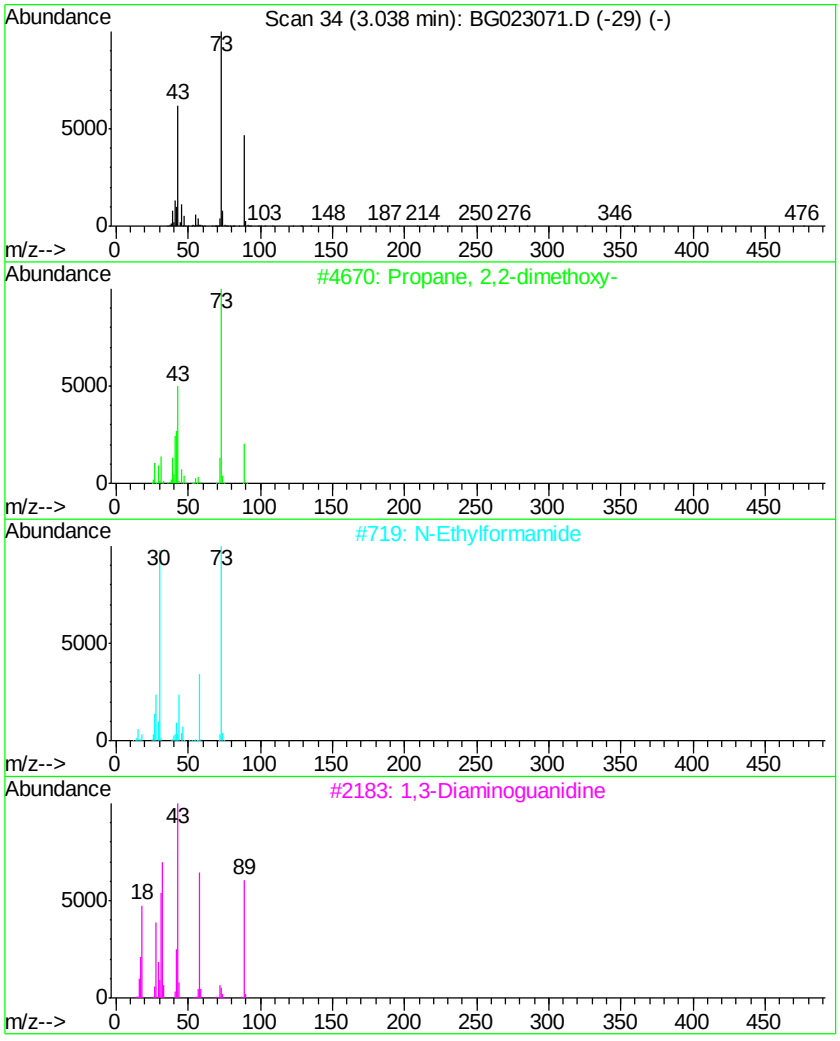
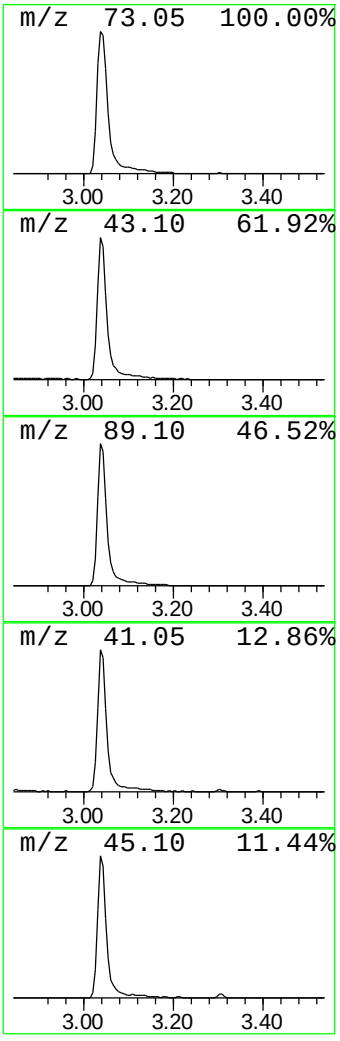
Peak Number 1 unknown3.04 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.04	298.55 ng	8881760	1,4-Dichlorobenzene-d4	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	40
2	N-Ethylformamide	73	C3H7NO	000627-45-2	9
3	1,3-Diaminoguanidine	89	CH7N5	004364-78-7	9
4	1,3-Dioxolane, 2-(3-bromo-5,5,5-...	352	C10H16BrCl3O2	1000115-31-4	9
5	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9





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ClientSampleId : M8-B3(6-12)C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
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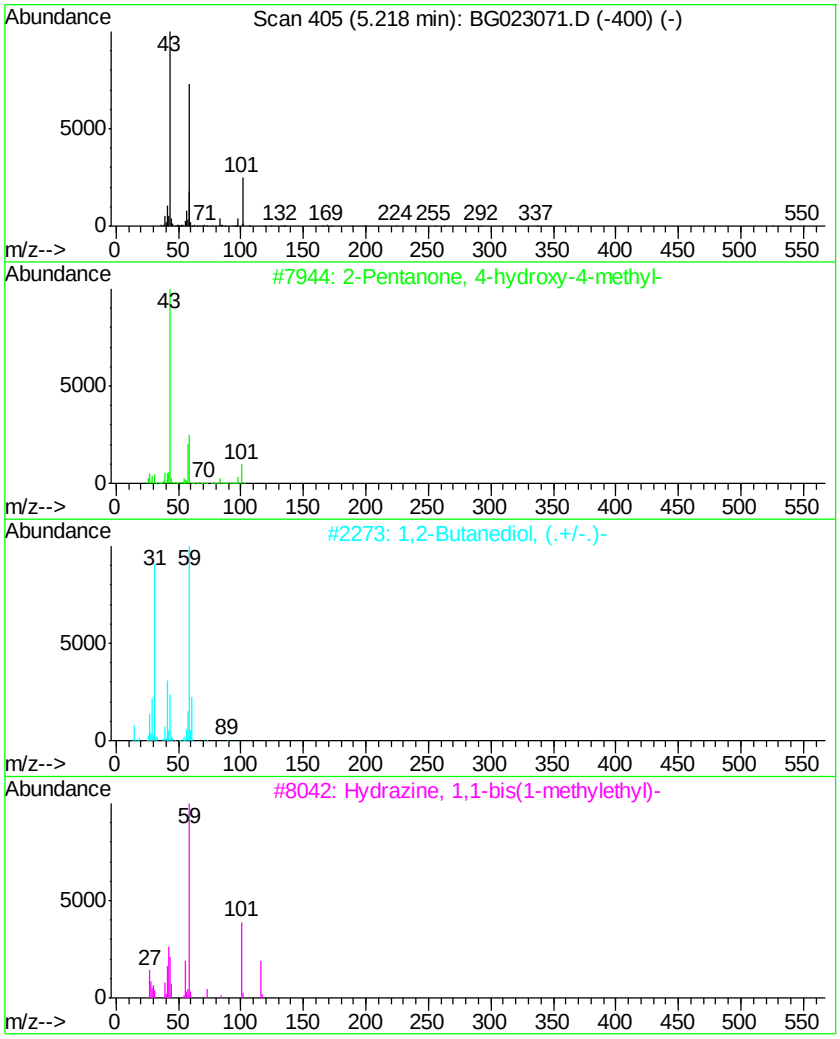
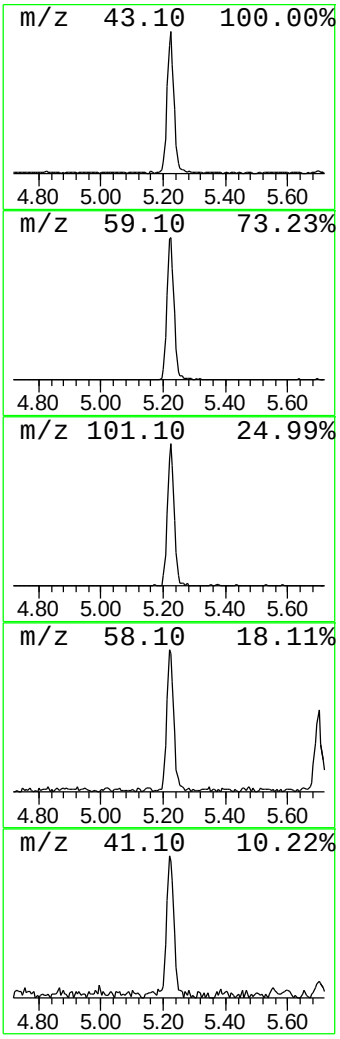
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	18.62 ng	553984	1,4-Dichlorobenzene-d4	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	1,2-Butanediol, (.+/-.)-	90	C4H10O2	026171-83-5	37
3	Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	33
4	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	25
5	Acetic acid, 10,11-dihydroxy-3,7...	298	C17H30O4	1000194-28-5	25





Data Path : Z:\HPCHEM1\BNA G\DATA\BG071316\
Data File : BG023071.D
Acq On : 13 Jul 2016 15:50
Operator : UM/SJ
Sample : H3946-09
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M8-B3(6-12)C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
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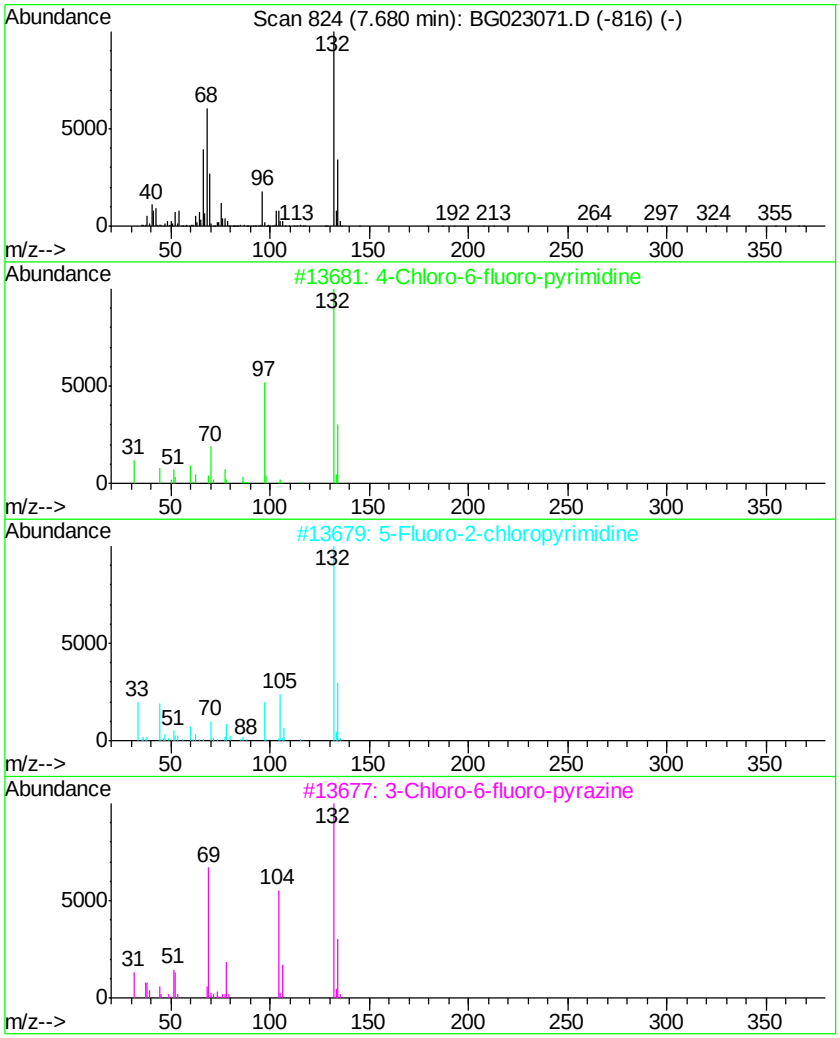
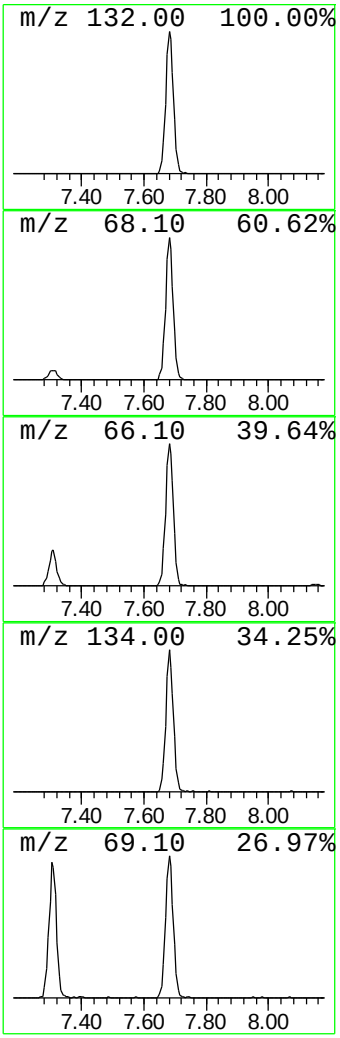
Peak Number 3 unknown7.68 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.68	98.18 ng	2920750	1,4-Dichlorobenzene-d4	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	14
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	14
3	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	14
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	14
5	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	10





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Instrument : BNA_G
ClientSampleId : M8-B3(6-12)C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
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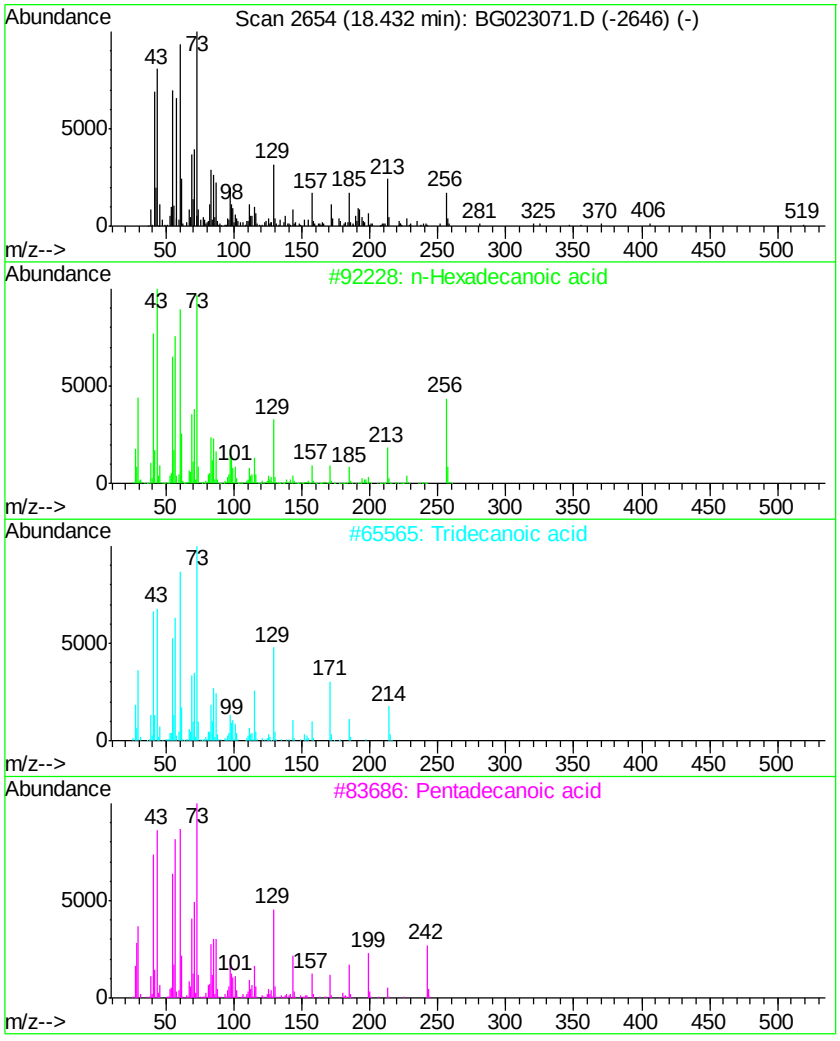
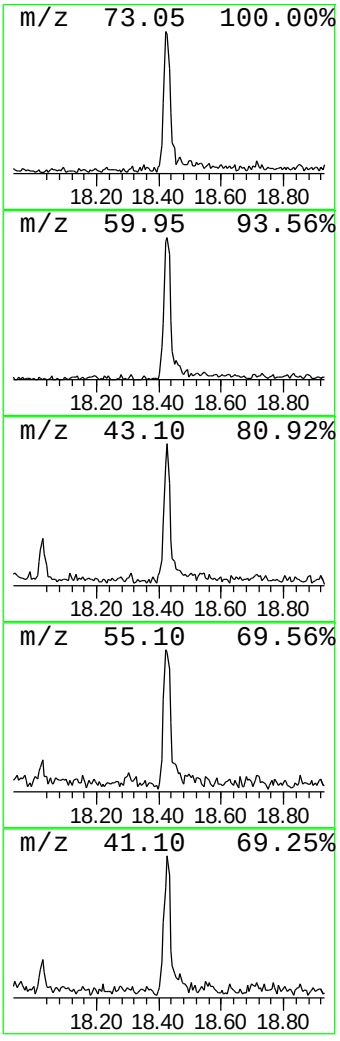
Peak Number 5 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	4.35 ng	466385	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	97
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	76
5	n-Decanoic acid	172	C10H20O2	000334-48-5	47





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Misc :
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Instrument : BNA_G
ClientSampleId : M8-B3(6-12)C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
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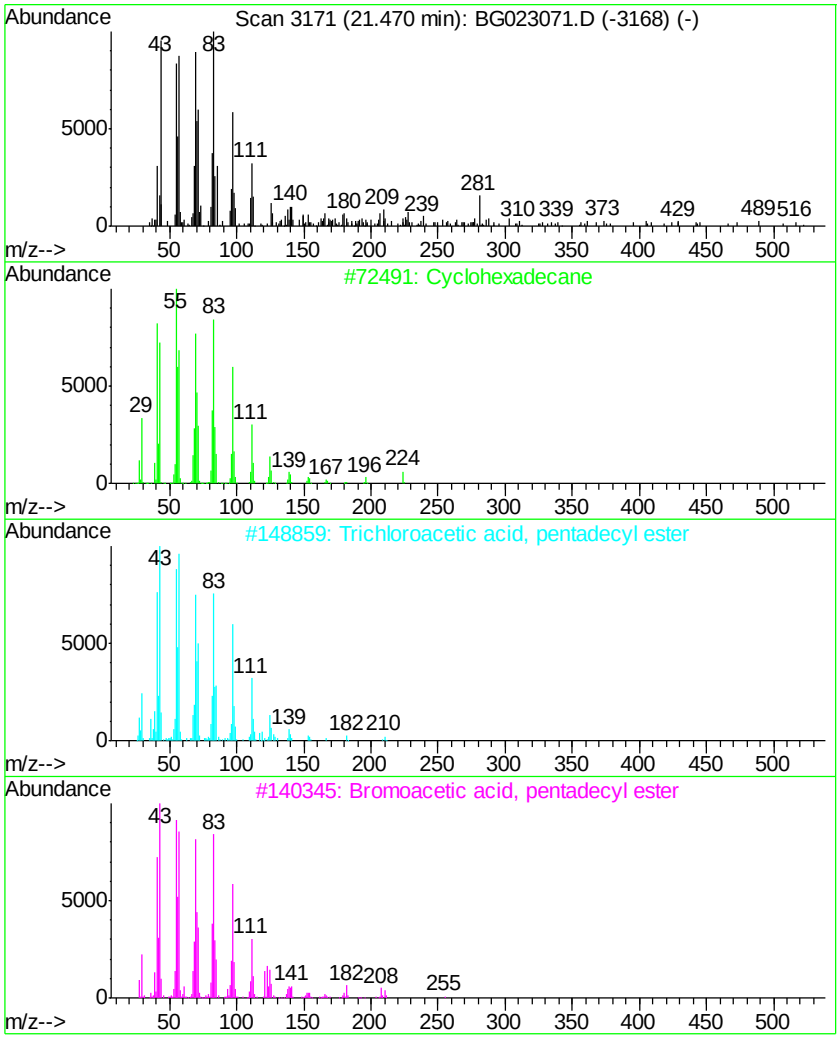
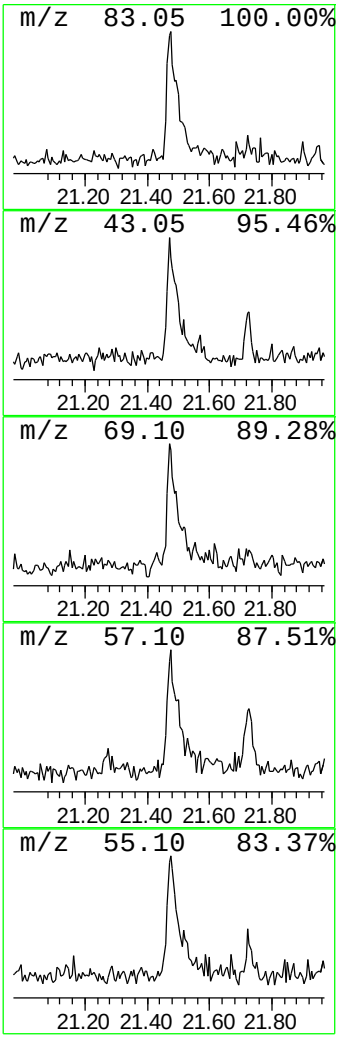
Peak Number 6 Cyclohexadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.47	2.60 ng	316455	Chrysene-d12	21.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	98
2	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	93
3	Bromoacetic acid, pentadecyl ester	348	C17H33BrO2	131143-01-6	90
4	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	90
5	1-Nonadecanol	284	C19H40O	001454-84-8	90





Tentatively Identified Compound (LSC) summary

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					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown3.04	3.04	298.6	ng	8881760	1	8.16	594995	20.0
2-Pentanone, 4-hy...	5.22	18.6	ng	553984	1	8.16	594995	20.0
unknown7.68	7.68	98.2	ng	2920750	1	8.16	594995	20.0
n-Hexadecanoic acid	18.43	4.3	ng	466385	4	17.56	2145340	20.0
Cyclohexadecane	21.47	2.6	ng	316455	5	21.86	2436590	20.0