LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021067.D
Acq On : 25 Feb 2016 1:11
Operator : UM/SJ
Sample : H1521-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-4+20(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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.052	31	36	55	rVB	210971	303341	100.00%	13.848%
2	3.199	56	61	67	rBV3	4793	9554	3.15%	0.436%
3	5.284	411	416	425	rBB	22722	35733	11.78%	1.631%
4	5.784	495	501	509	rBB	95908	154526	50.94%	7.054%
5	7.411	771	778	788	rBB	109113	186429	61.46%	8.511%
6	7.751	830	836	845	rBB	108867	187849	61.93%	8.575%
7	8.204	908	913	919	rBB	19029	30437	10.03%	1.389%
8	8.533	963	969	976	rBB	83296	139198	45.89%	6.355%
9	9.390	1108	1115	1122	rBB	73871	124729	41.12%	5.694%
10	9.514	1132	1136	1140	rBB2	2420	3893	1.28%	0.178%
11	11.029	1387	1394	1401	rBB	29244	51019	16.82%	2.329%
12	13.450	1799	1806	1812	rBB	166525	246155	81.15%	11.237%
13	14.272	1937	1946	1953	rBB	28416	41222	13.59%	1.882%
14	14.666	2008	2013	2017	rBB	6803	9136	3.01%	0.417%
15	14.818	2034	2039	2045	rBB2	37589	58935	19.43%	2.690%
16	15.611	2170	2174	2180	rVB	8628	11386	3.75%	0.520%
17	16.011	2234	2242	2247	rBV2	2619	5925	1.95%	0.270%
18	16.310	2287	2293	2298	rVB	116786	167564	55.24%	7.649%
19	16.469	2314	2320	2329	rBV	9032	17056	5.62%	0.779%
20	16.628	2343	2347	2352	rVB2	2183	3086	1.02%	0.141%
21	16.798	2373	2376	2382	rBV4	1545	3431	1.13%	0.157%
22	17.015	2409	2413	2417	rBV	1994	3253	1.07%	0.149%
23	17.098	2425	2427	2428	rVB	128258	45484	14.99%	2.076%
24	17.256	2450	2454	2458	rBV	5725	7004	2.31%	0.320%
25	17.309	2460	2463	2467	rVB2	2331	3226	1.06%	0.147%
26	17.562	2499	2506	2511	rBV	36869	55234	18.21%	2.521%
27	17.897	2559	2563	2571	rVB4	1676	3328	1.10%	0.152%
28	17.991	2575	2579	2584	rBV3	3010	4609	1.52%	0.210%
29	18.414	2647	2651	2657	rVB2	1531	3172	1.05%	0.145%
30	19.594	2849	2852	2856	rBV3	2830	3806	1.25%	0.174%
31	19.953	2910	2913	2919	rBV2	2665	3727	1.23%	0.170%
32	20.141	2940	2945	2951	rVB	154663	183624	60.53%	8.383%
33	21.409	3157	3161	3172	rVB10	5897	12269	4.04%	0.560%
34	21.832	3227	3233	3241	rBV	25333	41517	13.69%	1.895%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021067.D
Acq On : 25 Feb 2016 1:11
Operator : UM/SJ
Sample : H1521-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-4+20(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

35	24.082	3615	3616	3623	rVB7	2147	3396	1.12%	0.155%
36	25.163	3792	3800	3808	rBV4	8522	26287	8.67%	1.200%

Sum of corrected areas: 2190540

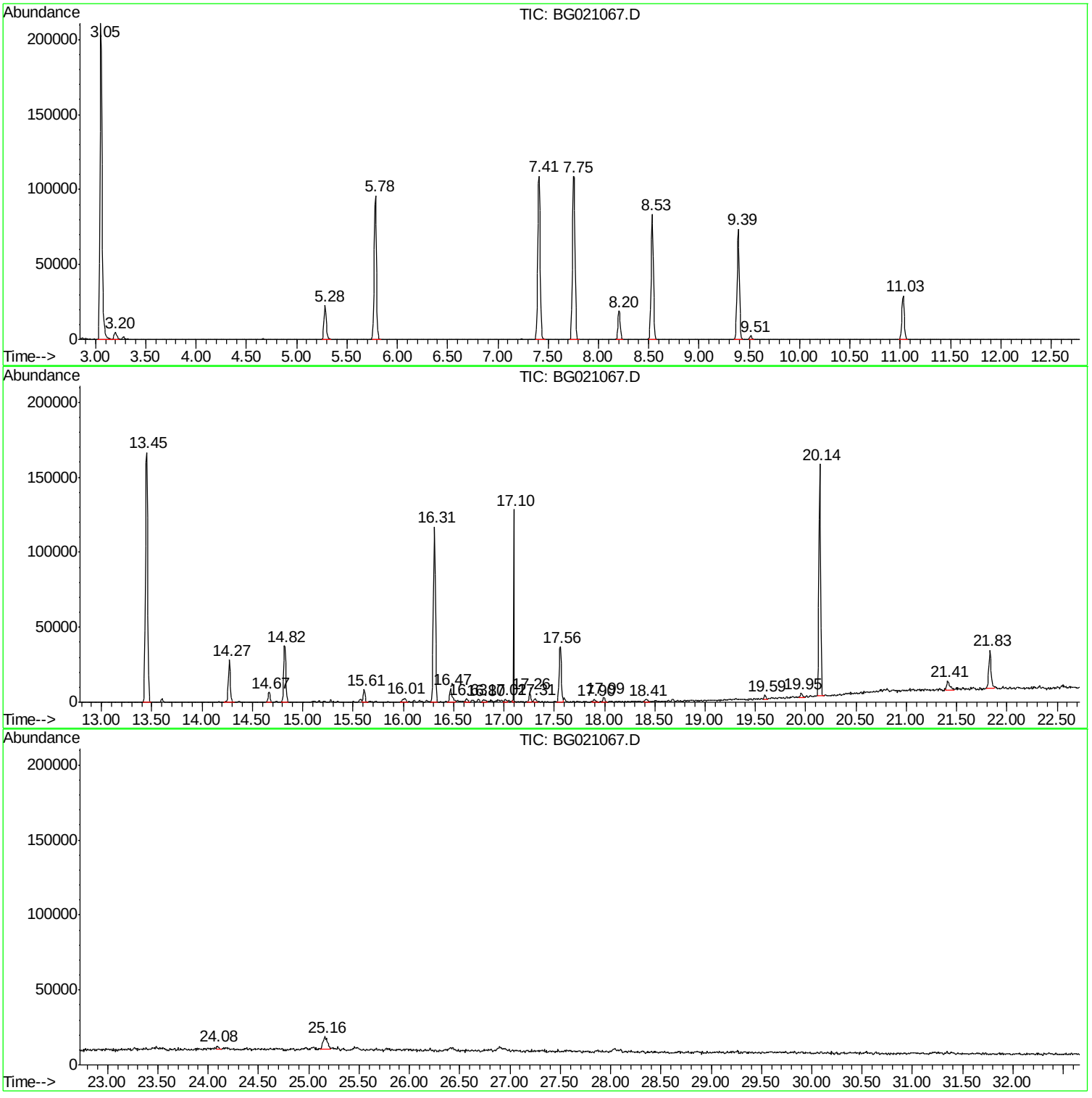
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021067.D
Acq On : 25 Feb 2016 1:11
Operator : UM/SJ
Sample : H1521-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-4+20(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 : BG021067.D
Acq On : 25 Feb 2016 1:11
Operator : UM/SJ
Sample : H1521-15
Misc :
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Instrument : BNA_G
ClientSampleId : SP-4+20(0-2)

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

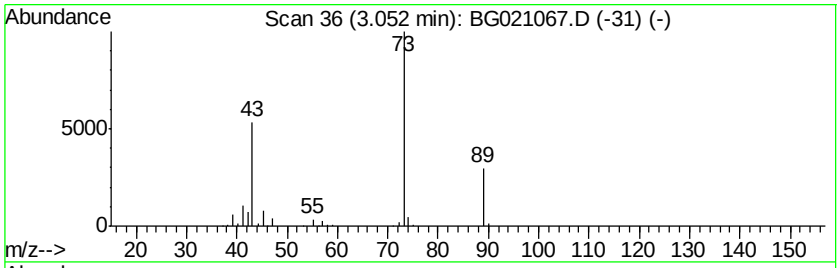
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

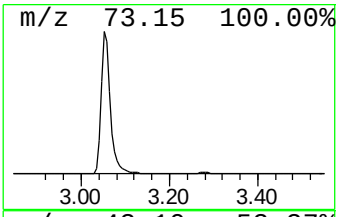
****

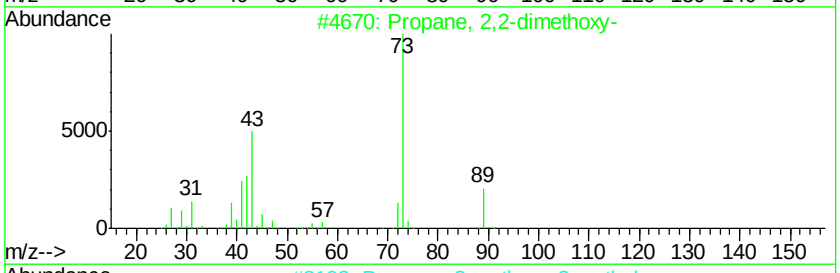
Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 1

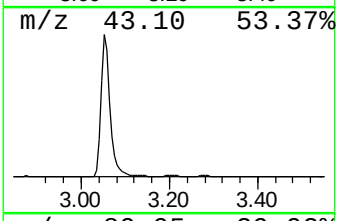
R.T.	EstConc	Area	Relative to ISTD	R.T.
3.05	199.32 ng	303341	1,4-Dichlorobenzene-d4	8.21

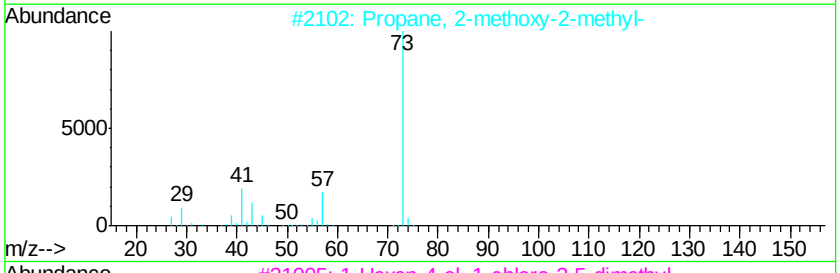
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	50
2	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
3	1-Hexen-4-ol, 1-chloro-3,5-dimet...	162	C8H15ClO	100244-09-5	9
4	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9
5	1,3-Diaminoguanidine	89	CH7N5	004364-78-7	7

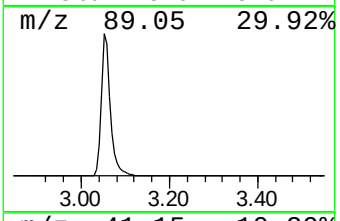


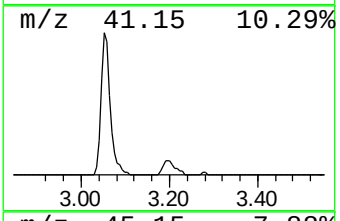


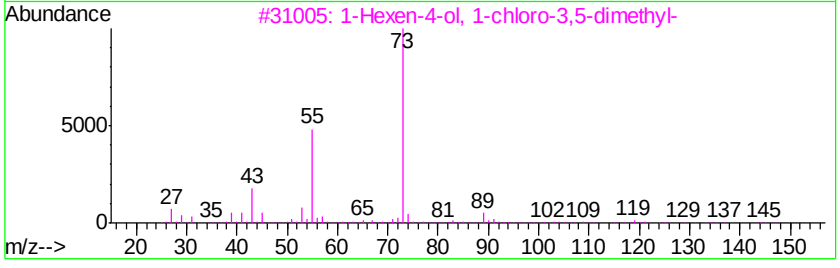


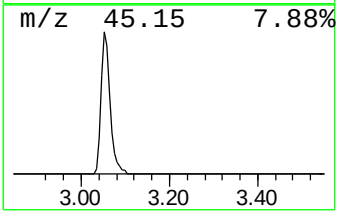












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Data File : BG021067.D
Acq On : 25 Feb 2016 1:11
Operator : UM/SJ
Sample : H1521-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-4+20(0-2)

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

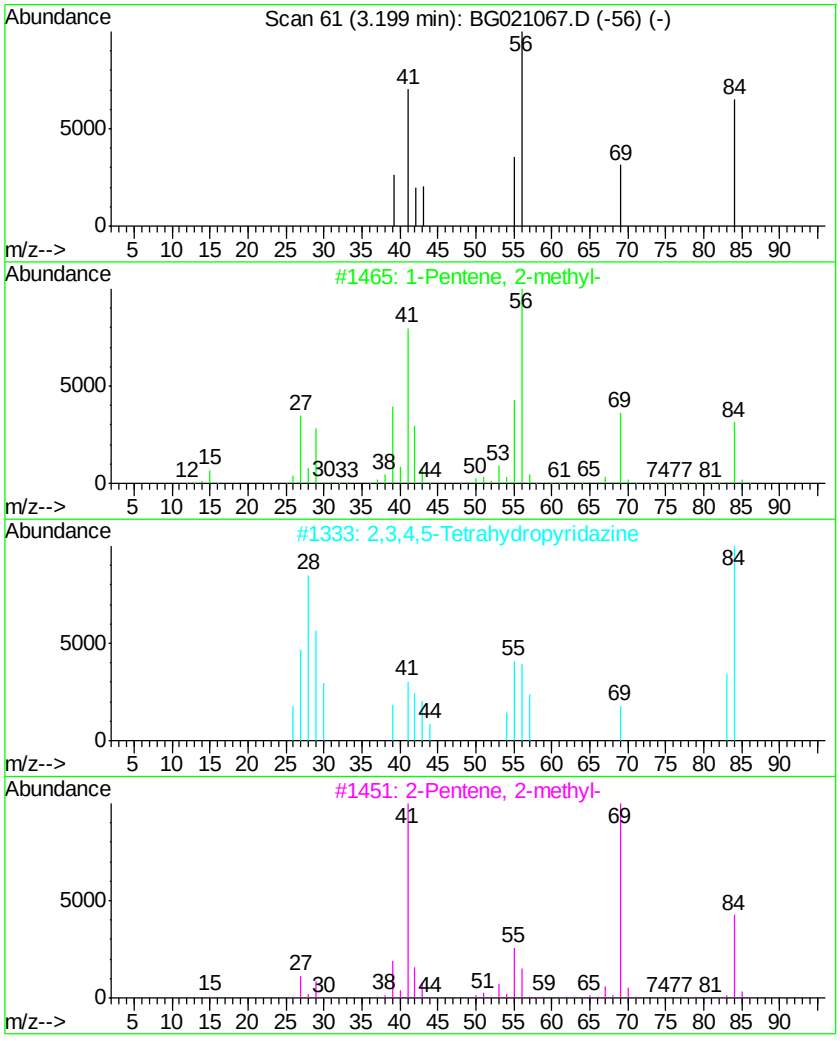
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

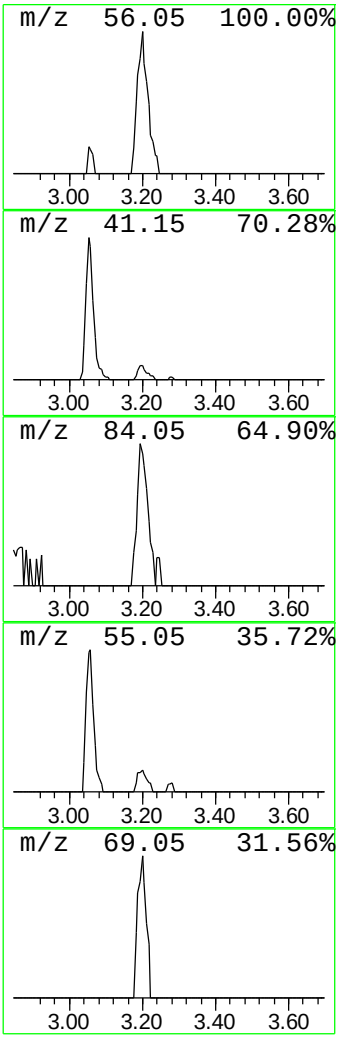
****

Peak Number 2 1-Pentene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	6.28 ng	9554	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	74
2	2,3,4,5-Tetrahydropyridazine	84	C4H8N2	000694-06-4	9
3	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	7
4	Cyclobutane	56	C4H8	000287-23-0	5
5	2-Pentene, 4-methyl-, (E)-	84	C6H12	000674-76-0	5





Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
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Operator : UM/SJ
Sample : H1521-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-4+20(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
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TIC Library : C:\DATABASE\NIST02.L
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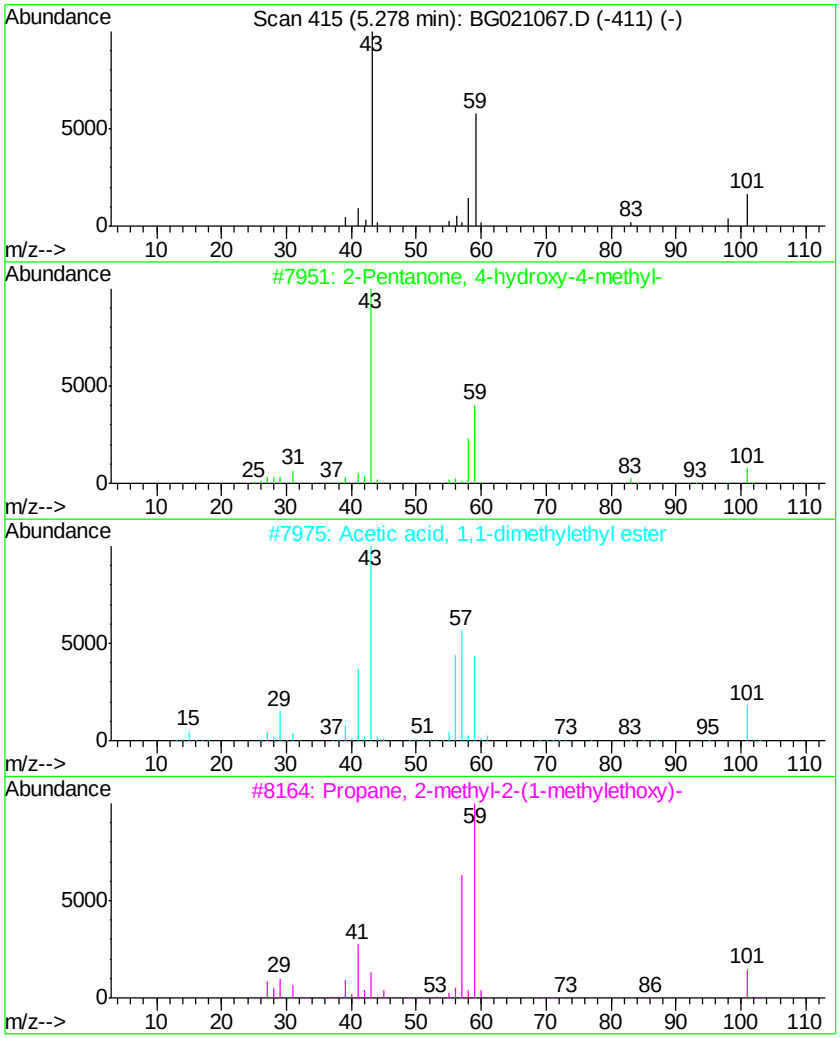
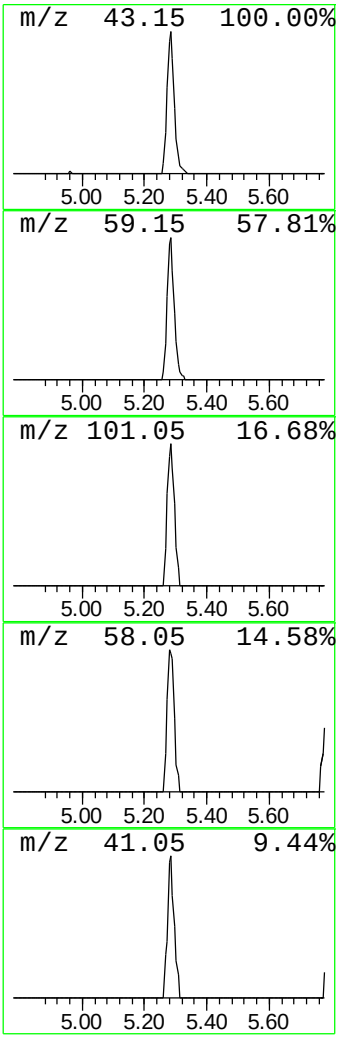
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.28	23.48 ng	35733	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
4	3-Hexanol	102	C6H14O	000623-37-0	33
5	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28





Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021067.D
Acq On : 25 Feb 2016 1:11
Operator : UM/SJ
Sample : H1521-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-4+20(0-2)

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

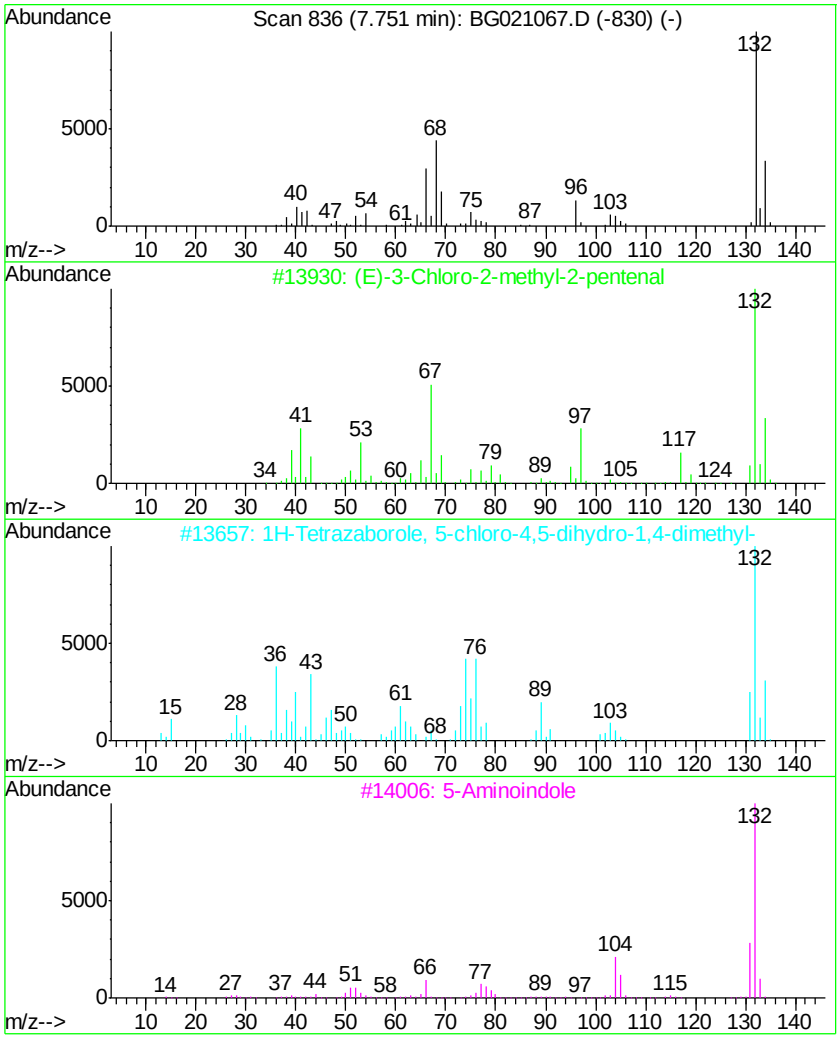
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

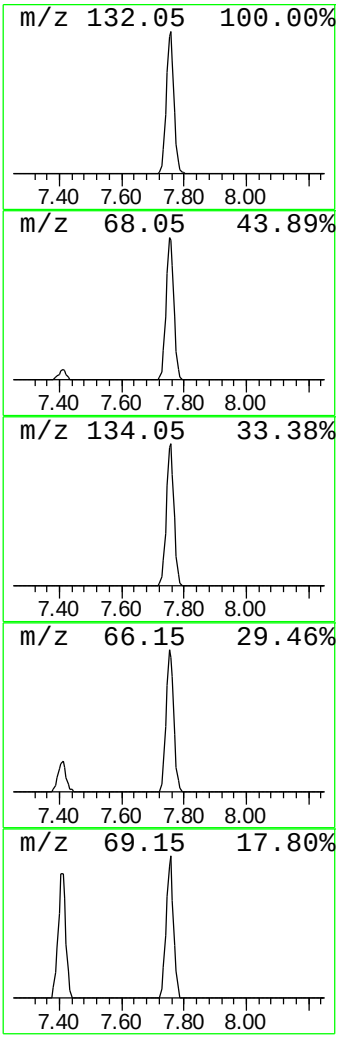
****

Peak Number 4 unknown7.75 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.75	123.44 ng	187849	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	27
2	1H-Tetrazaborole, 5-chloro-4,5-d...	132	C2H6BClN4	021960-49-6	12
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





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Data File : BG021067.D
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Sample : H1521-15
Misc :
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Instrument : BNA_G
ClientSampleId : SP-4+20(0-2)

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

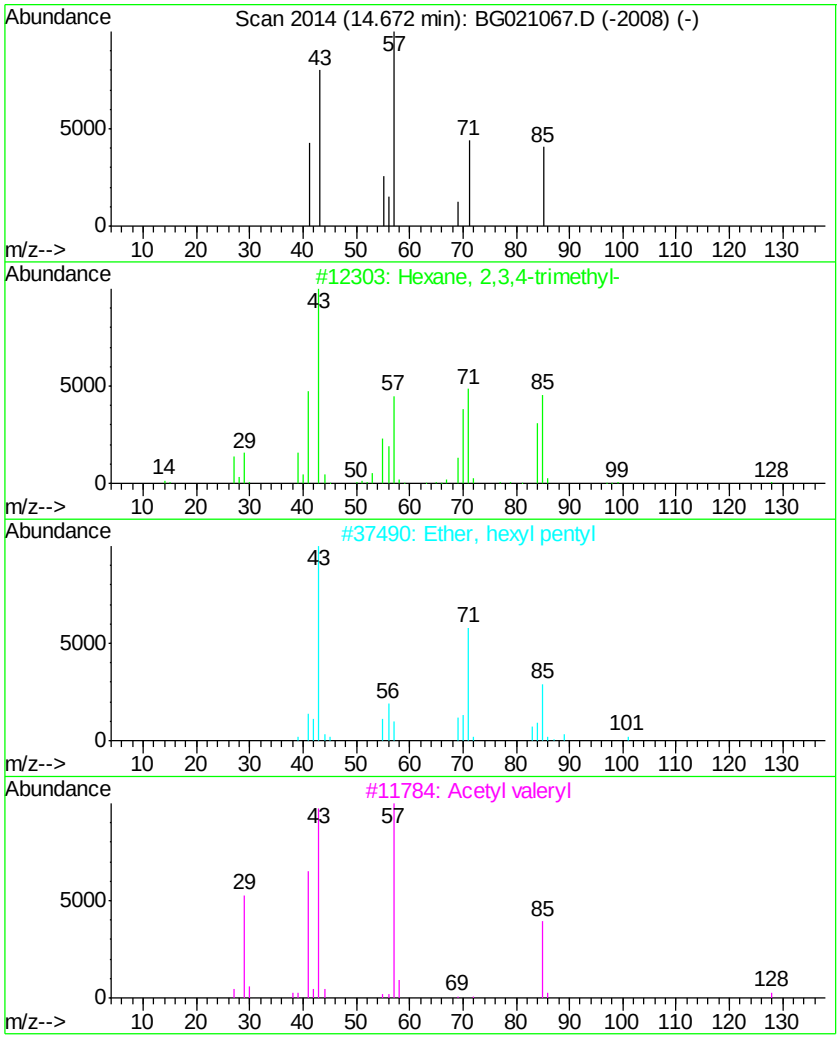
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

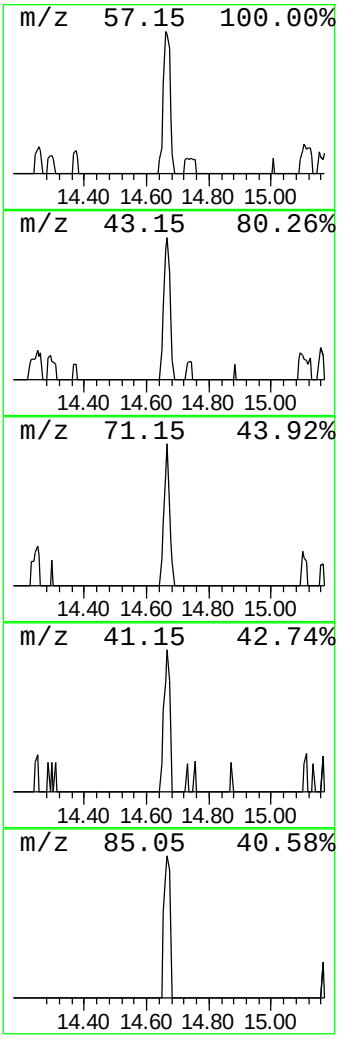
****

Peak Number 7 unknown14.67 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	3.10 ng	9136	Acenaphthene-d10	14.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	39
2	Ether, hexyl pentyl	172	C11H24O	032357-83-8	36
3	Acetyl valeryl	128	C7H12O2	000096-04-8	9
4	Ethanedioic acid, bis(3-methylbu...	230	C12H22O4	002051-00-5	9
5	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	9





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Misc :
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Instrument : BNA_G
ClientSampleId : SP-4+20(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
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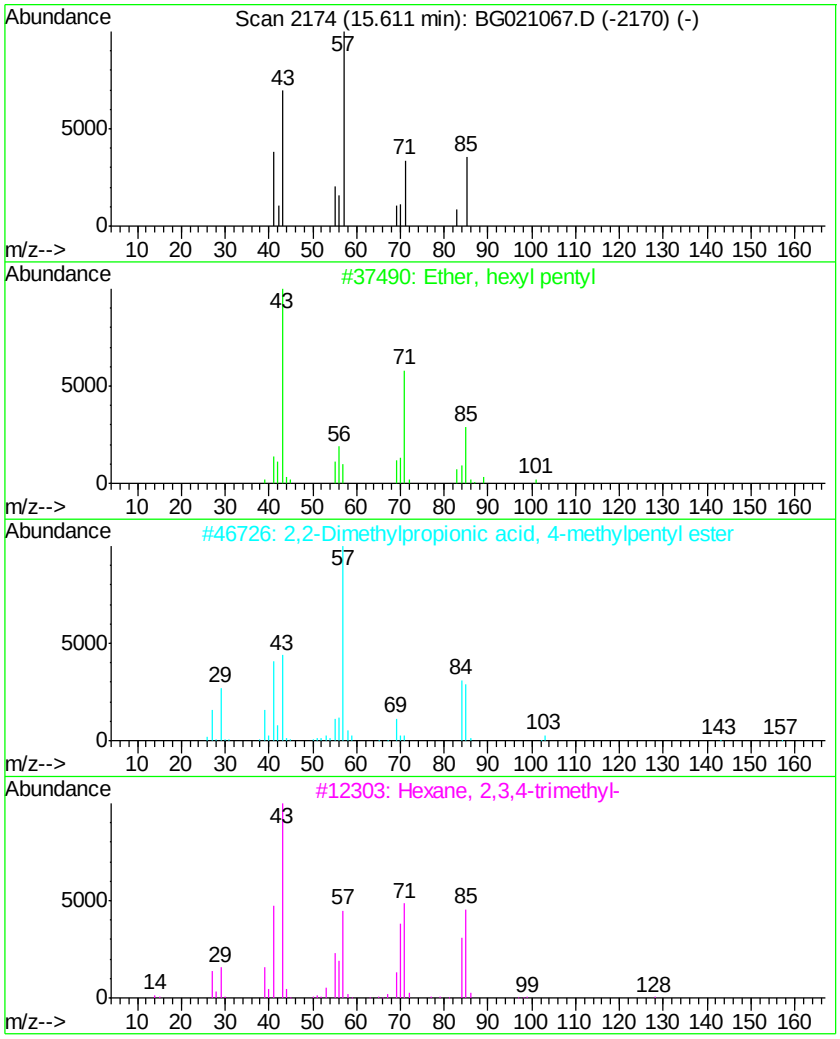
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

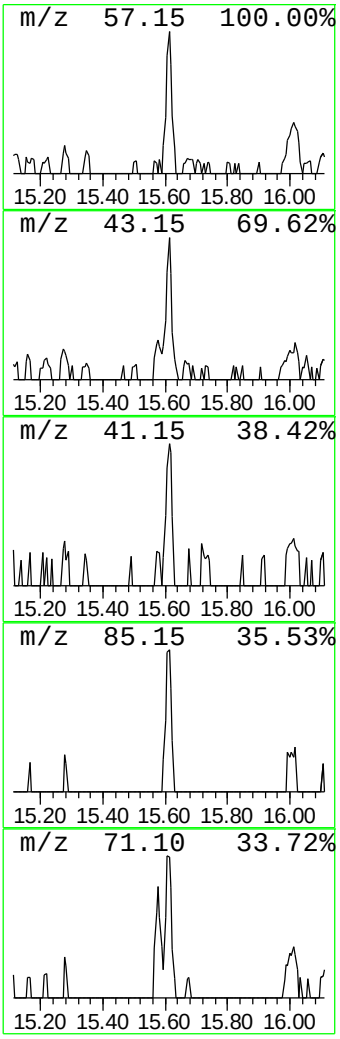
****

Peak Number 8 Ether, hexyl pentyl Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.61	3.86 ng	11386	Acenaphthene-d10	14.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ether, hexyl pentyl	172	C11H24O	032357-83-8	59
2	2,2-Dimethylpropionic acid, 4-me...	186	C11H22O2	150588-62-8	45
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	40
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	38
5	Oxirane, 2-methyl-3-propyl-, cis-	100	C6H12O	006124-90-9	33





Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021067.D
Acq On : 25 Feb 2016 1:11
Operator : UM/SJ
Sample : H1521-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-4+20(0-2)

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

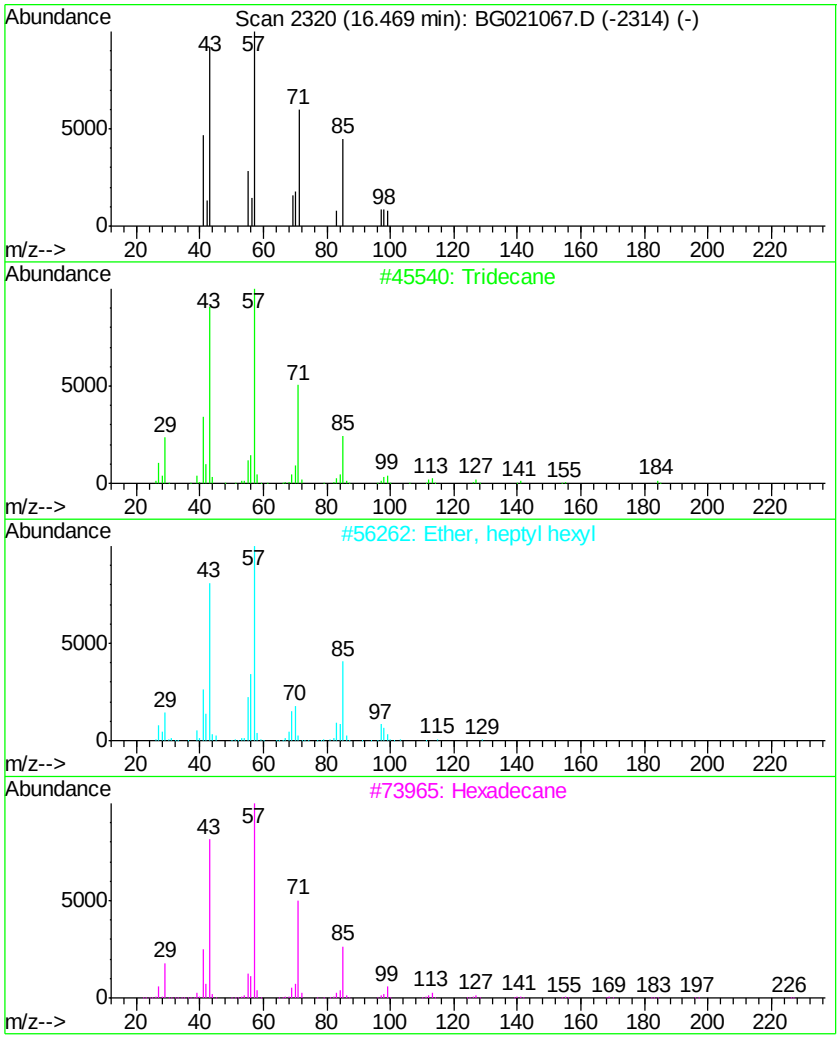
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

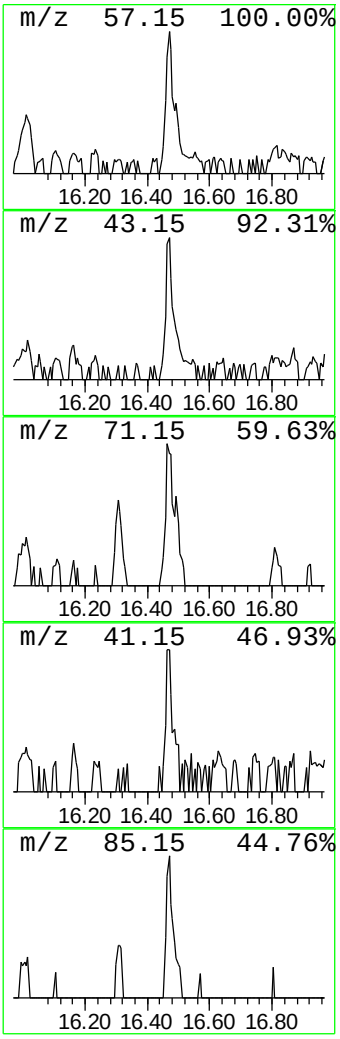
****

Peak Number 10 Tridecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	6.18 ng	17056	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	56
2	Ether, heptyl hexyl	200	C13H28O	007289-40-9	47
3	Hexadecane	226	C16H34	000544-76-3	45
4	Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	40
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	38





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-4+20(0-2)

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

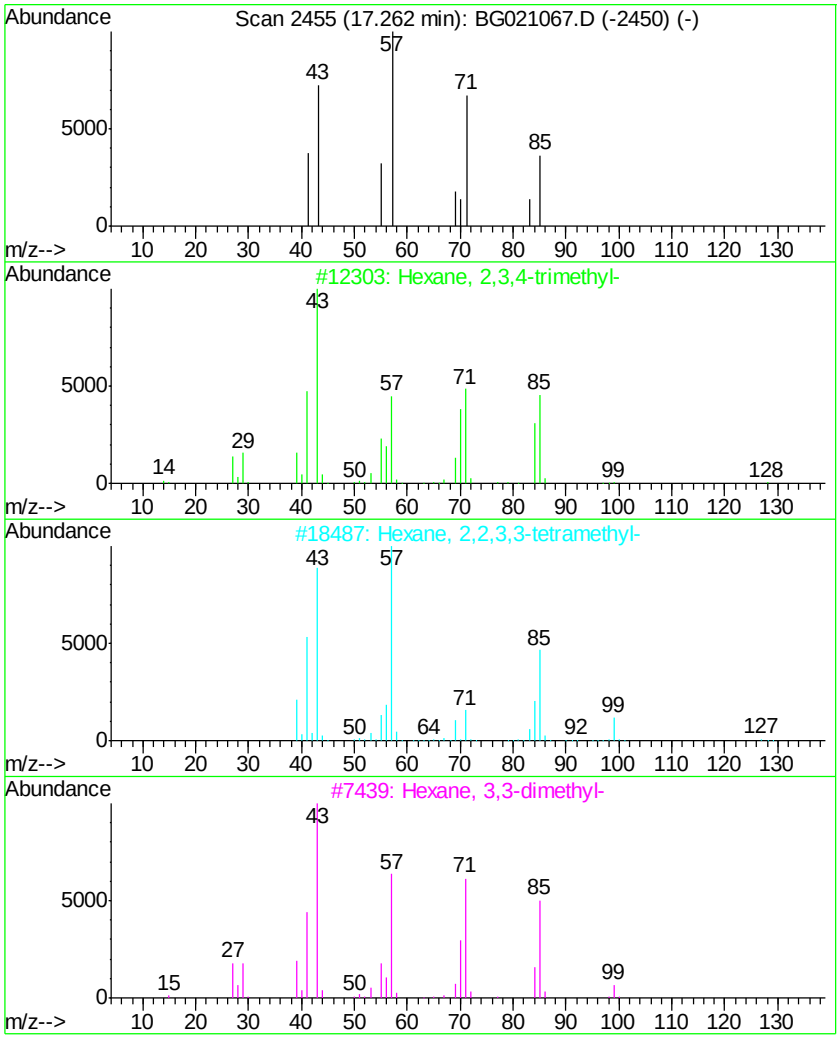
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

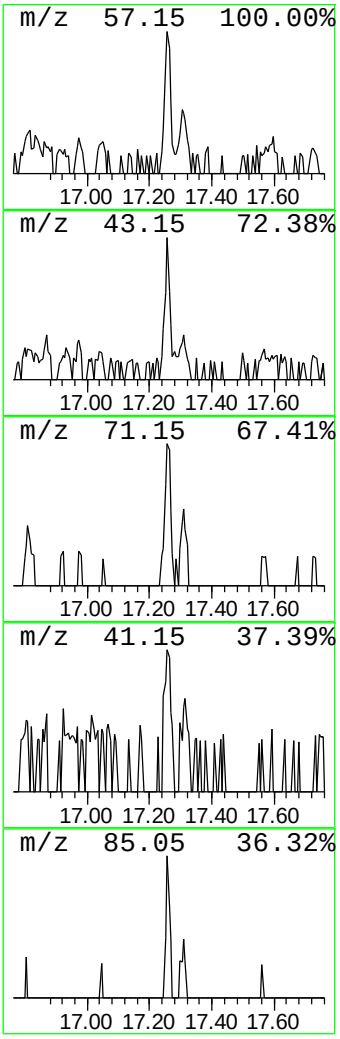
****

Peak Number 12 unknown17.26 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	2.54 ng	7004	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	45
2	Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	38
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	38
4	Ether, heptyl hexyl	200	C13H28O	007289-40-9	33
5	Hexane, 1-(hexyloxy)-3-methyl-	200	C13H28O	074421-18-4	28





Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021067.D
Acq On : 25 Feb 2016 1:11
Operator : UM/SJ
Sample : H1521-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-4+20(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

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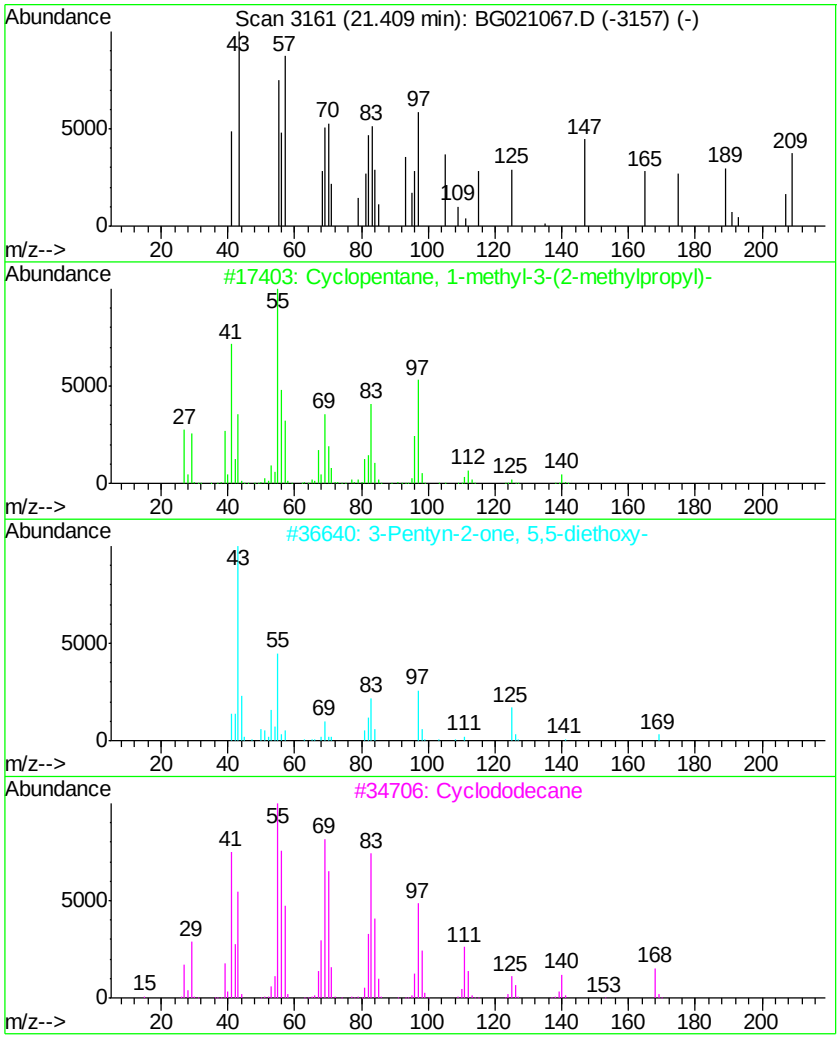
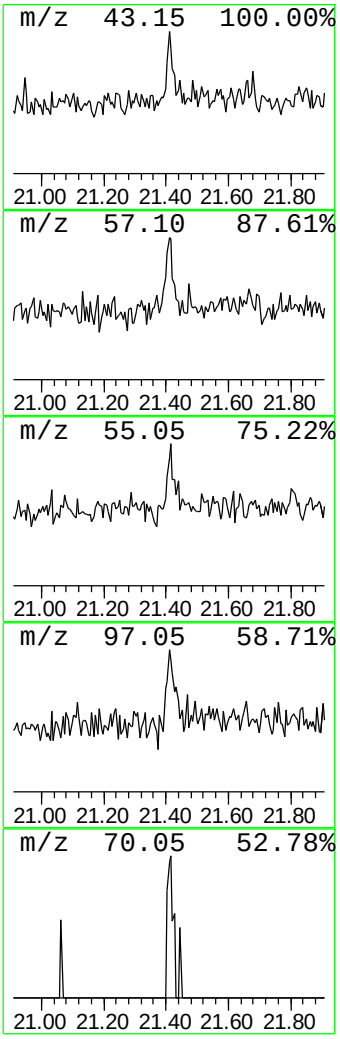
Peak Number 13 unknown21.41 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.41	5.91 ng	12269	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-methyl-3-(2-meth...	140	C10H20	029053-04-1	27
2	3-Pentyn-2-one, 5,5-diethoxy-	170	C9H14O3	055402-04-5	27
3	Cyclododecane	168	C12H24	000294-62-2	22
4	Chloromethyl 9-chloroundecanoate	268	C12H22Cl2O2	080418-95-7	22
5	1-Pentadecanol	228	C15H32O	000629-76-5	22





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022416\
Data File : BG021067.D
Acq On : 25 Feb 2016 1:11
Operator : UM/SJ
Sample : H1521-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-4+20(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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propane, 2,2-dime...	3.05	199.3	ng	303341	1	8.21	30437	20.0
1-Pentene, 2-methyl-	3.20	6.3	ng	9554	1	8.21	30437	20.0
2-Pentanone, 4-hy...	5.28	23.5	ng	35733	1	8.21	30437	20.0
unknown7.75	7.75	123.4	ng	187849	1	8.21	30437	20.0
unknown14.67	14.67	3.1	ng	9136	3	14.82	58935	20.0
Ether, hexyl pentyl	15.61	3.9	ng	11386	3	14.82	58935	20.0
Tridecane	16.47	6.2	ng	17056	4	17.56	55234	20.0
unknown17.26	17.26	2.5	ng	7004	4	17.56	55234	20.0
unknown21.41	21.41	5.9	ng	12269	5	21.83	41517	20.0