LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021760.D
Acq On : 19 Apr 2016 12:19
Operator : UM/SJ
Sample : H2414-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FB-BWR-BB-R04-CS-1(0-16FT)

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-BG041316.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	3.091	38	43	64	rVB	2591350	3896723	100.00%	22.038%
2	5.282	410	416	423	rVB	63775	99016	2.54%	0.560%
3	5.758	489	497	506	rBV	603732	989500	25.39%	5.596%
4	7.362	761	770	779	rBV	612449	1118693	28.71%	6.327%
5	7.744	826	835	844	rBV	614514	1089414	27.96%	6.161%
6	8.208	908	914	921	rVB	133046	225126	5.78%	1.273%
7	8.537	960	970	977	rBV	444802	807303	20.72%	4.566%
8	9.377	1104	1113	1120	rBV	389080	708190	18.17%	4.005%
9	11.028	1388	1394	1402	rVB	189272	342220	8.78%	1.935%
10	13.449	1798	1806	1814	rVB	1020077	1594015	40.91%	9.015%
11	13.625	1829	1836	1842	rBV2	22834	40264	1.03%	0.228%
12	14.266	1937	1945	1951	rBV	120274	206010	5.29%	1.165%
13	14.689	2012	2017	2023	rVB2	41618	53533	1.37%	0.303%
14	14.824	2033	2040	2047	rVB2	270123	457571	11.74%	2.588%
15	15.635	2174	2178	2184	rVB	55213	70983	1.82%	0.401%
16	16.040	2237	2247	2251	rBV	18783	41849	1.07%	0.237%
17	16.305	2285	2292	2303	rVB	669110	1035719	26.58%	5.858%
18	16.493	2319	2324	2327	rBV	54345	75423	1.94%	0.427%
19	17.286	2454	2459	2463	rBV	39371	48371	1.24%	0.274%
20	17.556	2498	2505	2511	rBV2	332988	522414	13.41%	2.955%
21	19.824	2886	2891	2896	rBV	166727	202354	5.19%	1.144%
22	19.900	2900	2904	2907	rVV	36480	47280	1.21%	0.267%
23	19.936	2907	2910	2919	rVB3	49365	88480	2.27%	0.500%
24	20.141	2939	2945	2953	rVB	1585325	2095030	53.76%	11.848%
25	20.423	2989	2993	2998	rBV	46279	57353	1.47%	0.324%
26	20.858	3063	3067	3074	rBV2	144484	166364	4.27%	0.941%
27	20.923	3074	3078	3082	rVV	55612	66112	1.70%	0.374%
28	21.440	3163	3166	3172	rVB	50486	64648	1.66%	0.366%
29	21.828	3225	3232	3239	rBV	353401	638893	16.40%	3.613%
30	22.004	3258	3262	3270	rVB2	50401	68850	1.77%	0.389%
31	22.627	3364	3368	3375	rVB2	36104	58354	1.50%	0.330%
32	23.343	3486	3490	3496	rVB2	34735	70580	1.81%	0.399%
33	25.171	3791	3801	3811	rBV2	204779	635262	16.30%	3.593%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021760.D
Acq On : 19 Apr 2016 12:19
Operator : UM/SJ
Sample : H2414-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FB-BWR-BB-R04-CS-1(0-16FT)

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-BG041316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 17681897

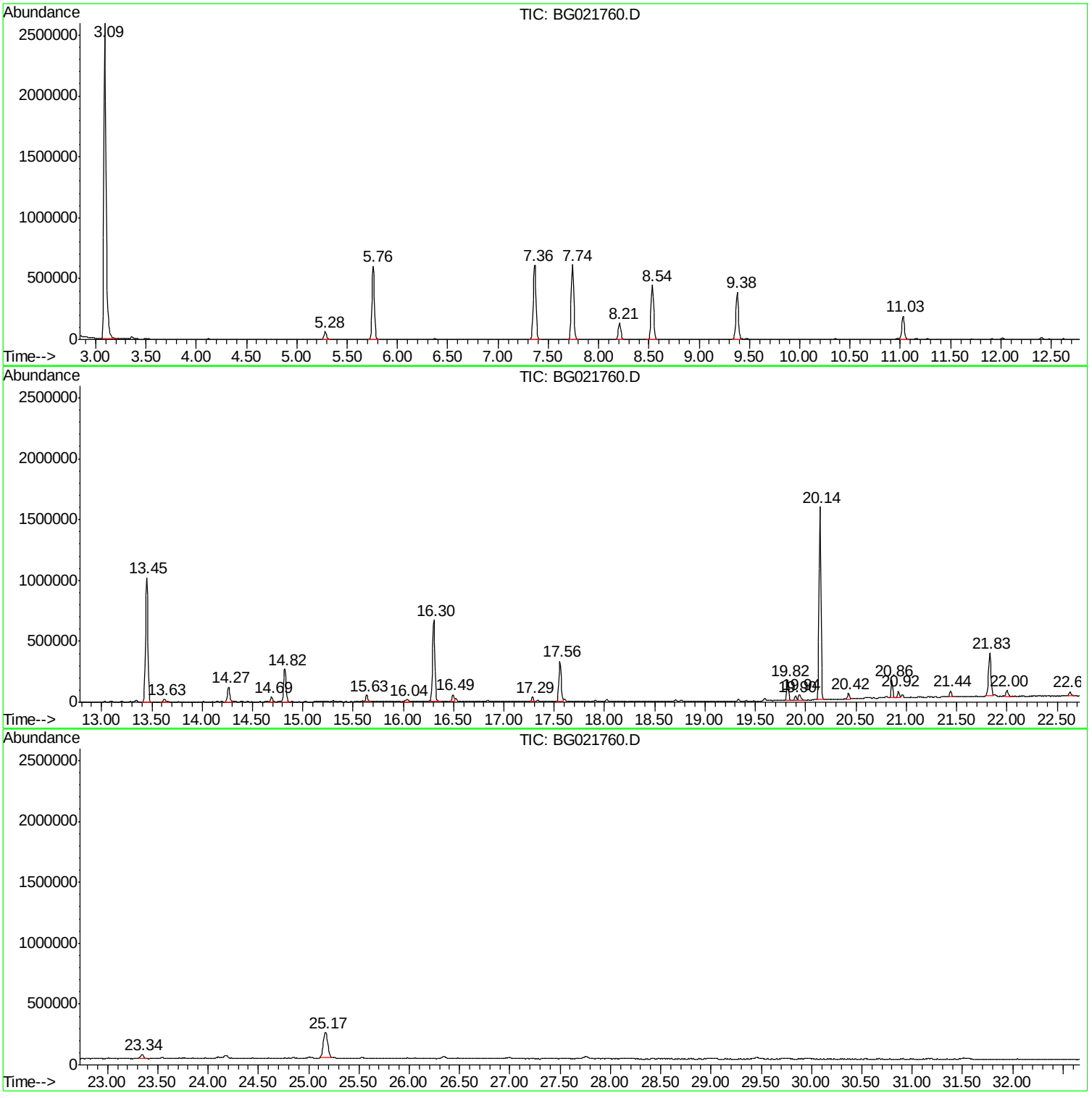
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021760.D
Acq On : 19 Apr 2016 12:19
Operator : UM/SJ
Sample : H2414-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FB-BWR-BB-R04-CS-1(0-16FT)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.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\BG041916\
Data File : BG021760.D
Acq On : 19 Apr 2016 12:19
Operator : UM/SJ
Sample : H2414-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FB-BWR-BB-R04-CS-1(0-16FT)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

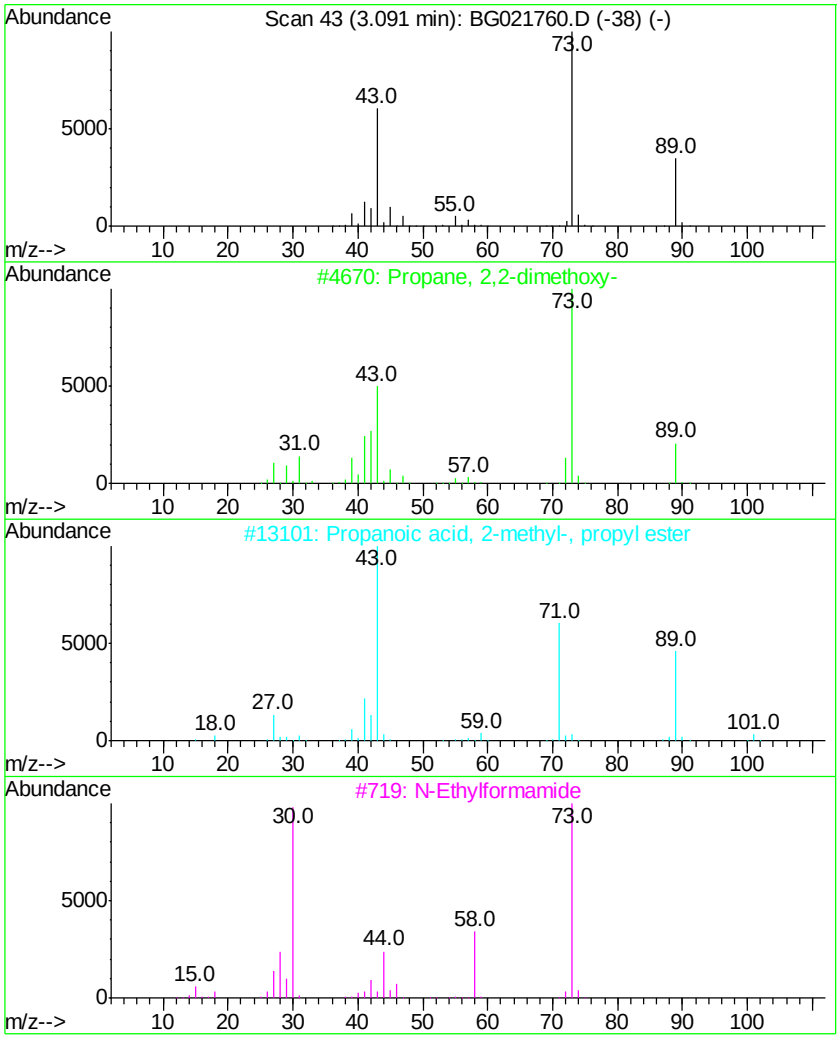
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

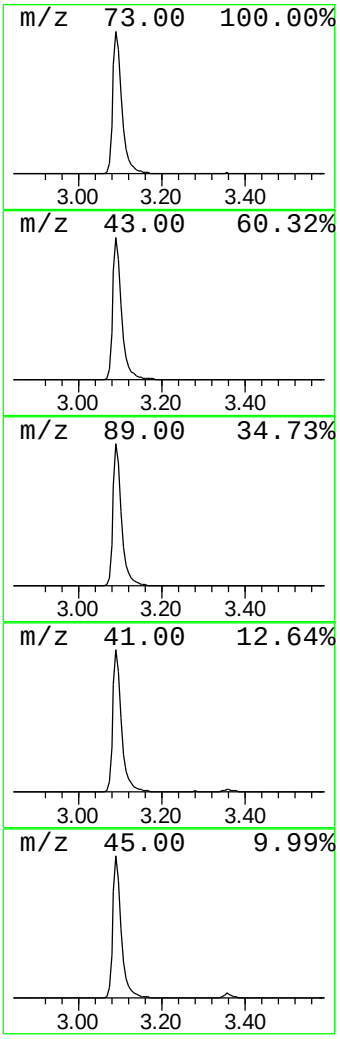
****

Peak Number 1 unknown3.09 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.09	346.18 ng	3896720	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	39
2	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	25
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	9
5	1,3-Diaminoguanidine	89	CH7N5	004364-78-7	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021760.D
Acq On : 19 Apr 2016 12:19
Operator : UM/SJ
Sample : H2414-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FB-BWR-BB-R04-CS-1(0-16FT)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

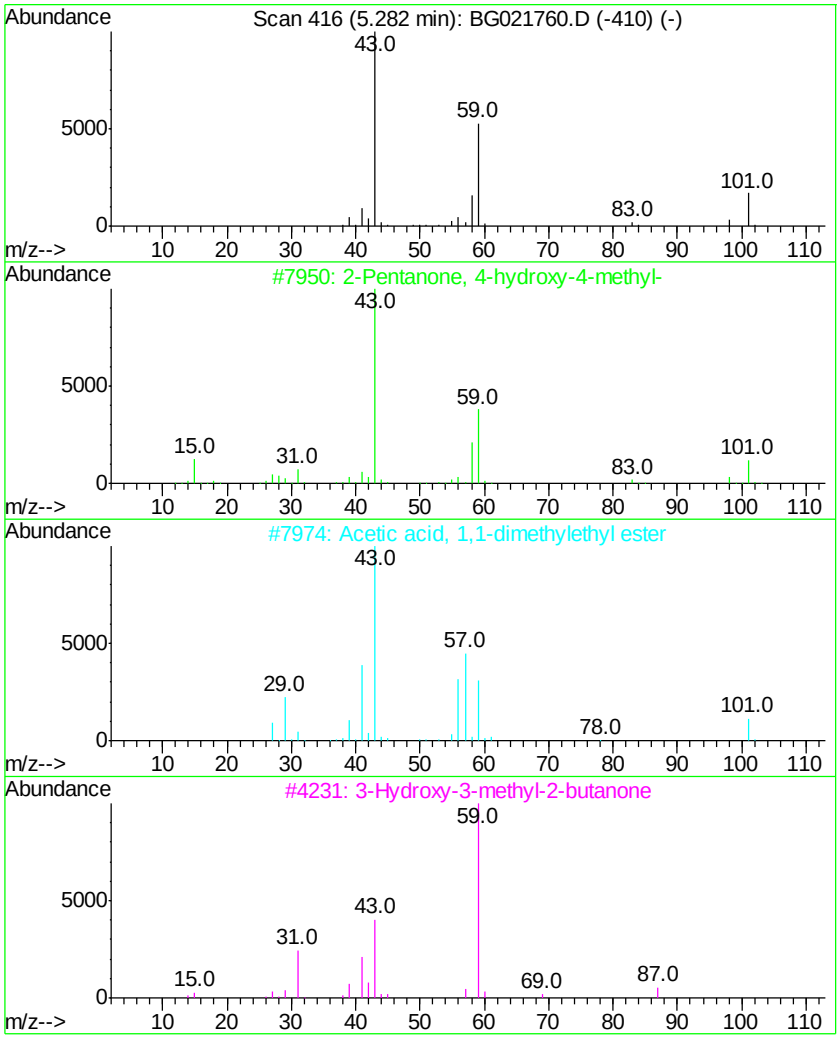
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

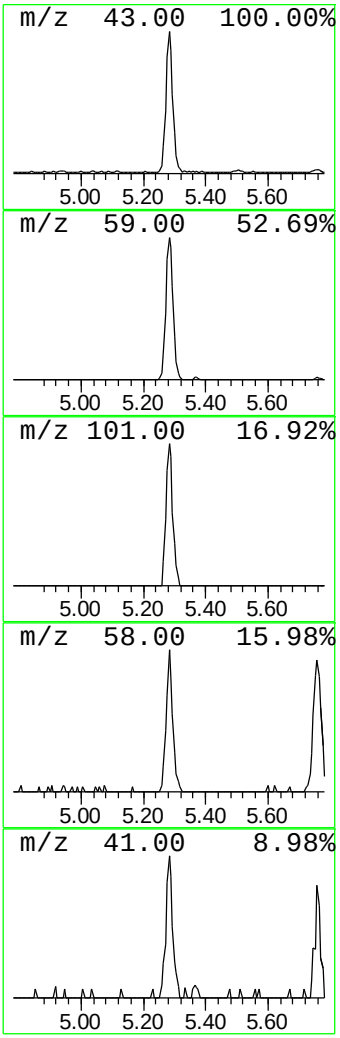
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.28	8.80 ng	99016	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	59
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
3	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	23
4	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	9
5	1,2-Butanediol, (.+/-.)-	90	C4H10O2	026171-83-5	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021760.D
Acq On : 19 Apr 2016 12:19
Operator : UM/SJ
Sample : H2414-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FB-BWR-BB-R04-CS-1(0-16FT)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

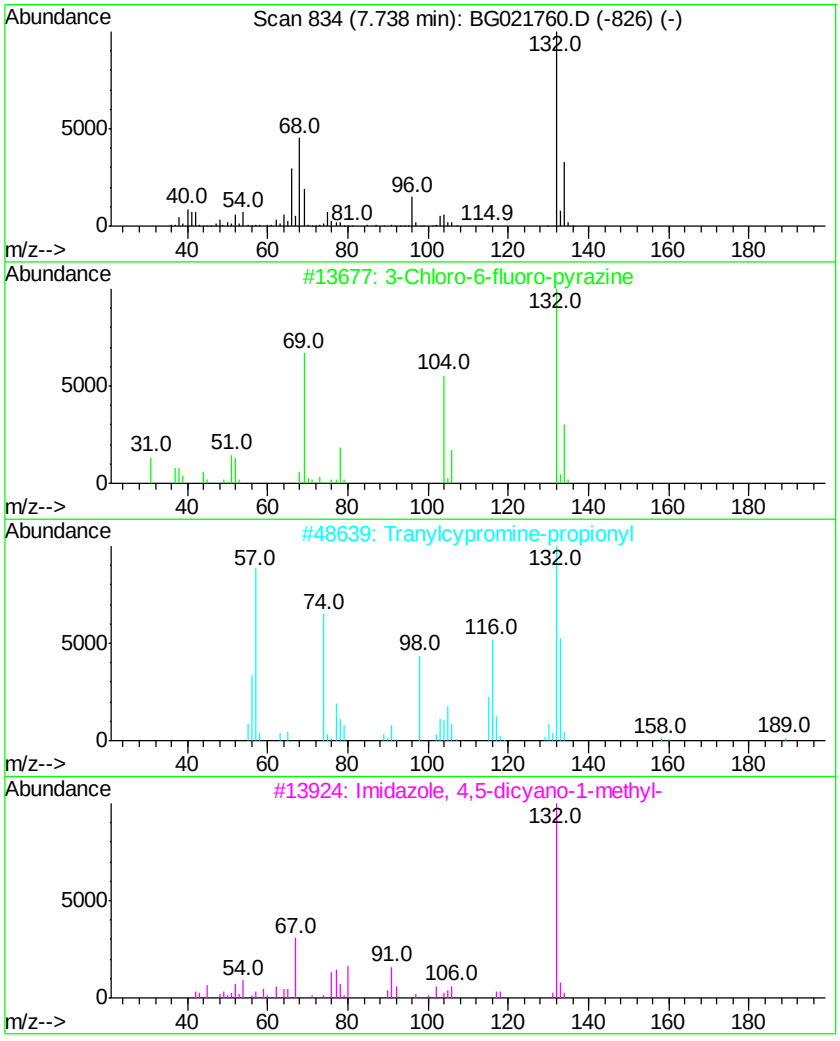
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

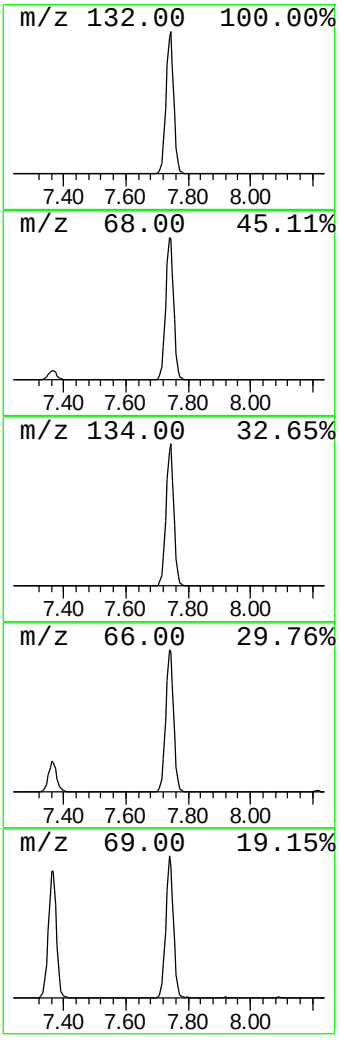
****

Peak Number 3 unknown7.74 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.74	96.78 ng	1089410	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9
4	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
5	Xenon	132	Xe	007440-63-3	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021760.D
Acq On : 19 Apr 2016 12:19
Operator : UM/SJ
Sample : H2414-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FB-BWR-BB-R04-CS-1(0-16FT)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

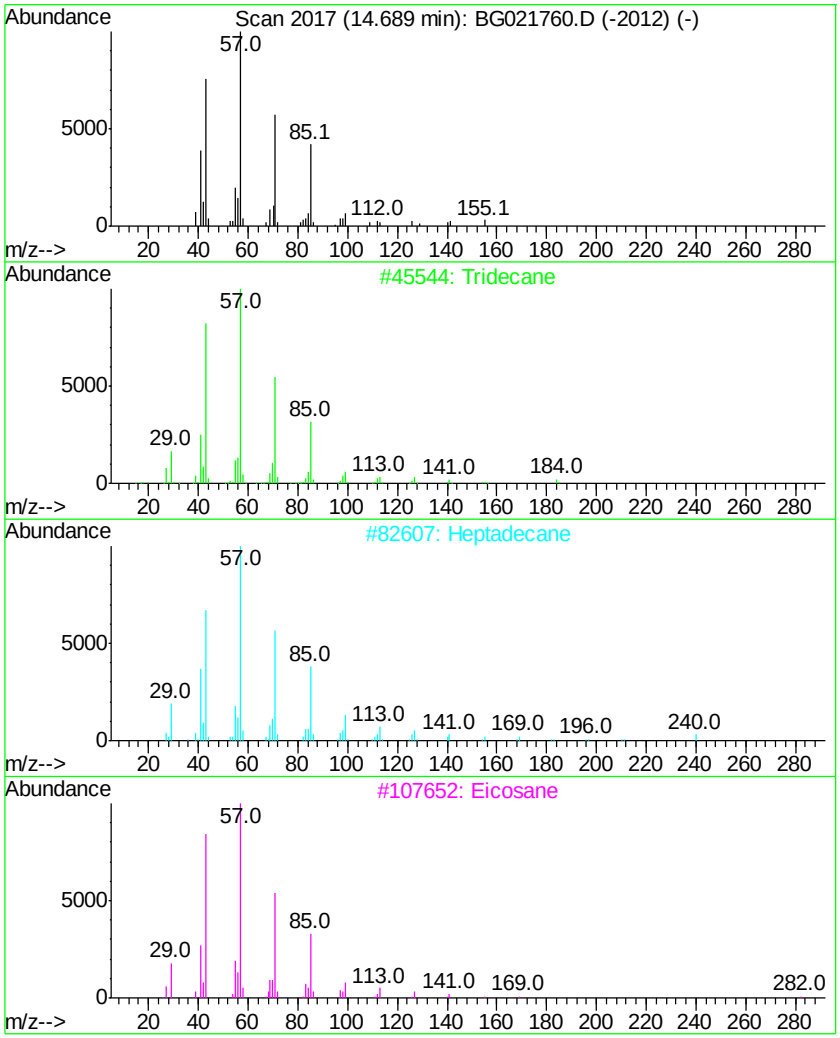
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

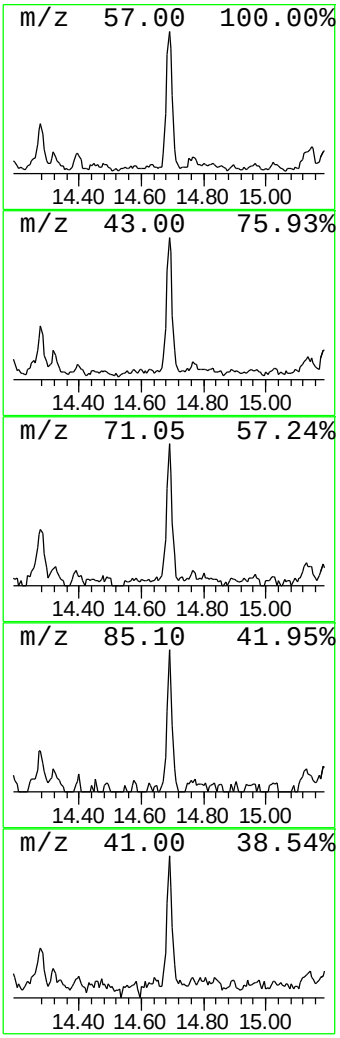
****

Peak Number 5 Tridecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	2.34 ng	53533	Acenaphthene-d10	14.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	83
2	Heptadecane	240	C17H36	000629-78-7	80
3	Eicosane	282	C20H42	000112-95-8	80
4	Tetradecane	198	C14H30	000629-59-4	78
5	1-Iodoundecane	282	C11H23I	004282-44-4	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021760.D
Acq On : 19 Apr 2016 12:19
Operator : UM/SJ
Sample : H2414-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FB-BWR-BB-R04-CS-1(0-16FT)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

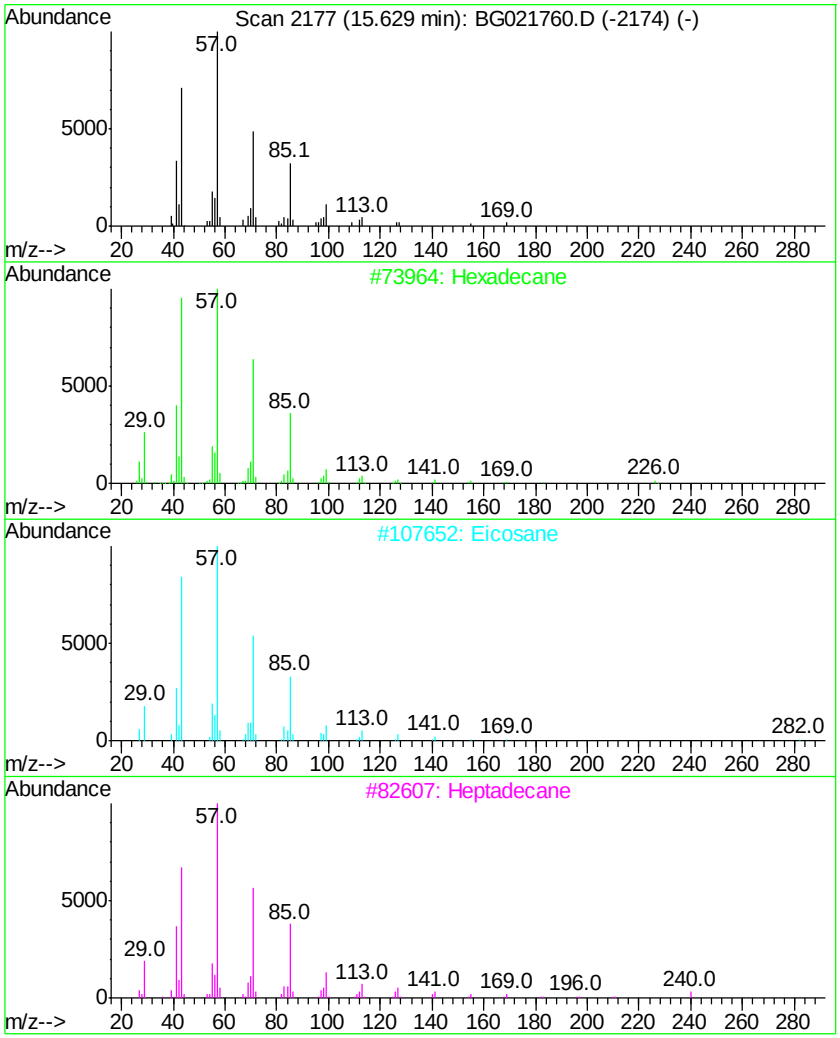
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

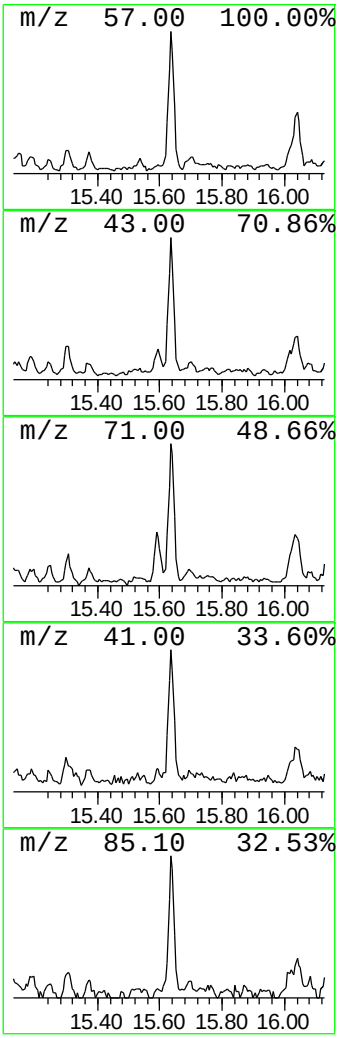
****

Peak Number 6 Hexadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.63	3.10 ng	70983	Acenaphthene-d10	14.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	97
2	Eicosane	282	C20H42	000112-95-8	91
3	Heptadecane	240	C17H36	000629-78-7	90
4	Tetradecane	198	C14H30	000629-59-4	86
5	Tridecane	184	C13H28	000629-50-5	86





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021760.D
Acq On : 19 Apr 2016 12:19
Operator : UM/SJ
Sample : H2414-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FB-BWR-BB-R04-CS-1(0-16FT)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

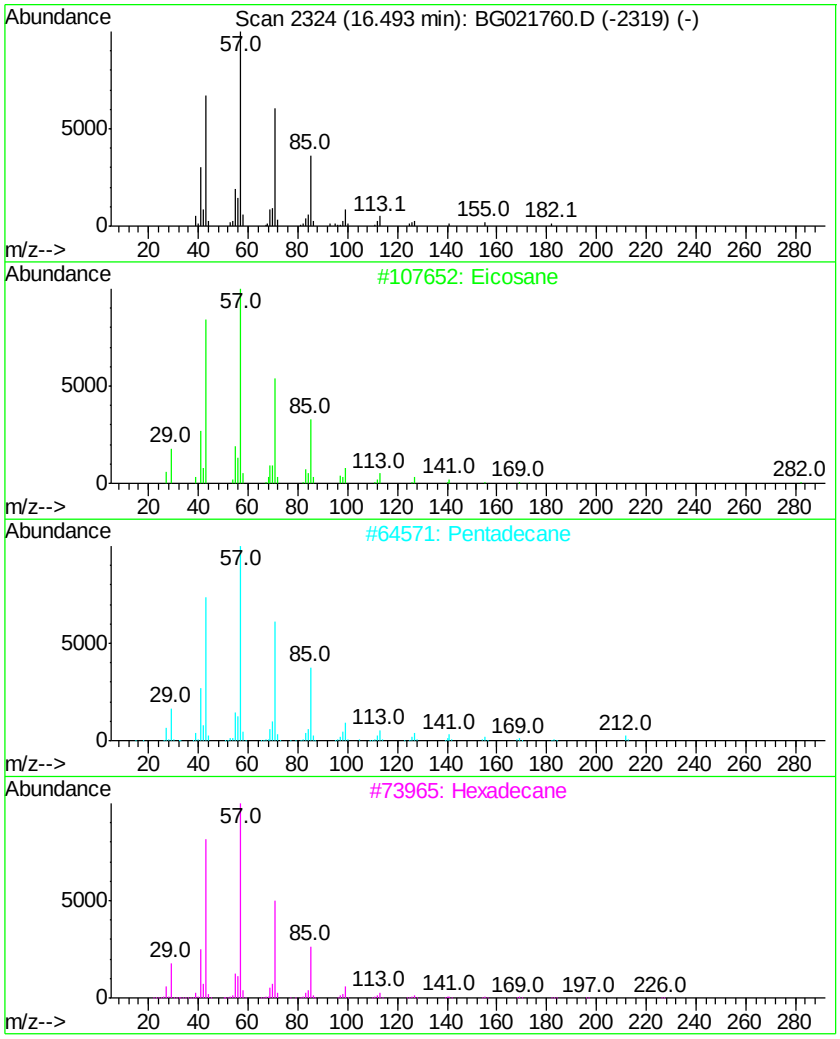
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

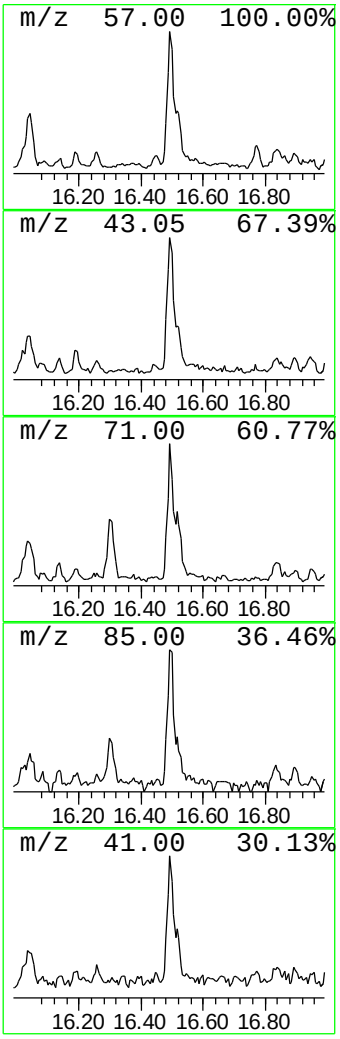
****

Peak Number 7 Eicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	2.89 ng	75423	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	90
2	Pentadecane	212	C15H32	000629-62-9	90
3	Hexadecane	226	C16H34	000544-76-3	90
4	Heptacosane	380	C27H56	000593-49-7	86
5	Tetracosane	338	C24H50	000646-31-1	83





Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021760.D
Acq On : 19 Apr 2016 12:19
Operator : UM/SJ
Sample : H2414-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FB-BWR-BB-R04-CS-1(0-16FT)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

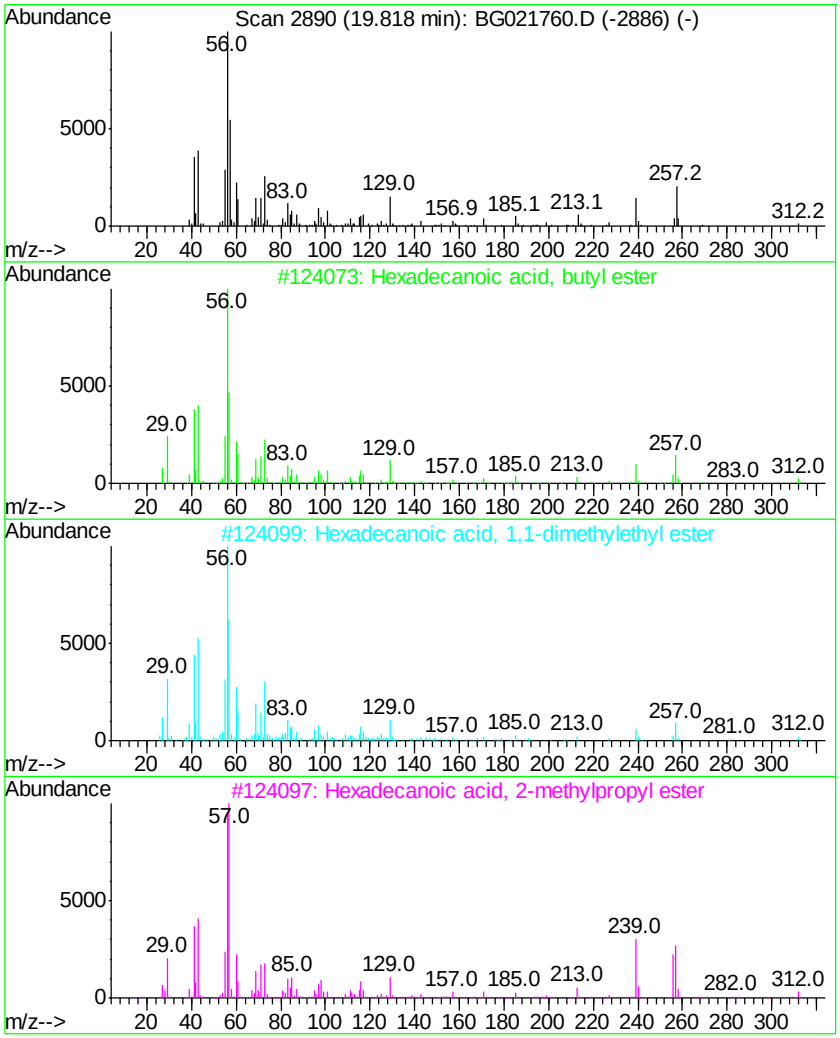
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

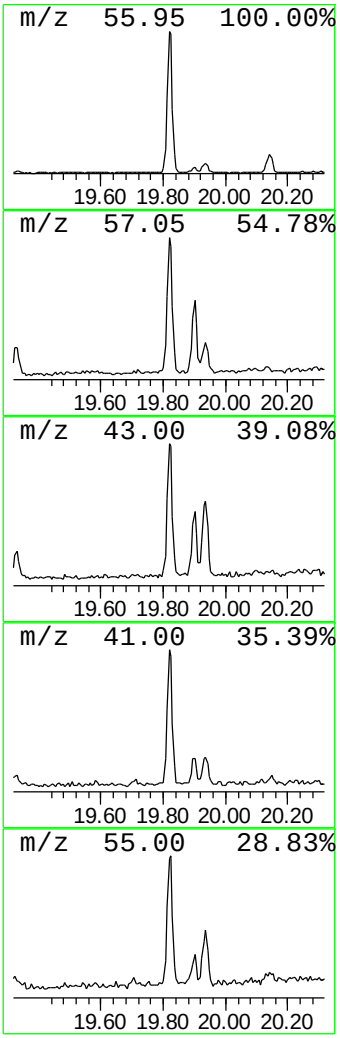
****

Peak Number 8 Hexadecanoic acid, butyl ester Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.82	6.33 ng	202354	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	97
2	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	94
3	Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	72
4	Cyclopentanecarboxylic acid, 2-a...	129	C6H11NO2	037910-65-9	43
5	2,4-Dipropyl-5-ethyl-1,3-dioxane	200	C12H24O2	006413-83-8	37





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021760.D
Acq On : 19 Apr 2016 12:19
Operator : UM/SJ
Sample : H2414-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FB-BWR-BB-R04-CS-1(0-16FT)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

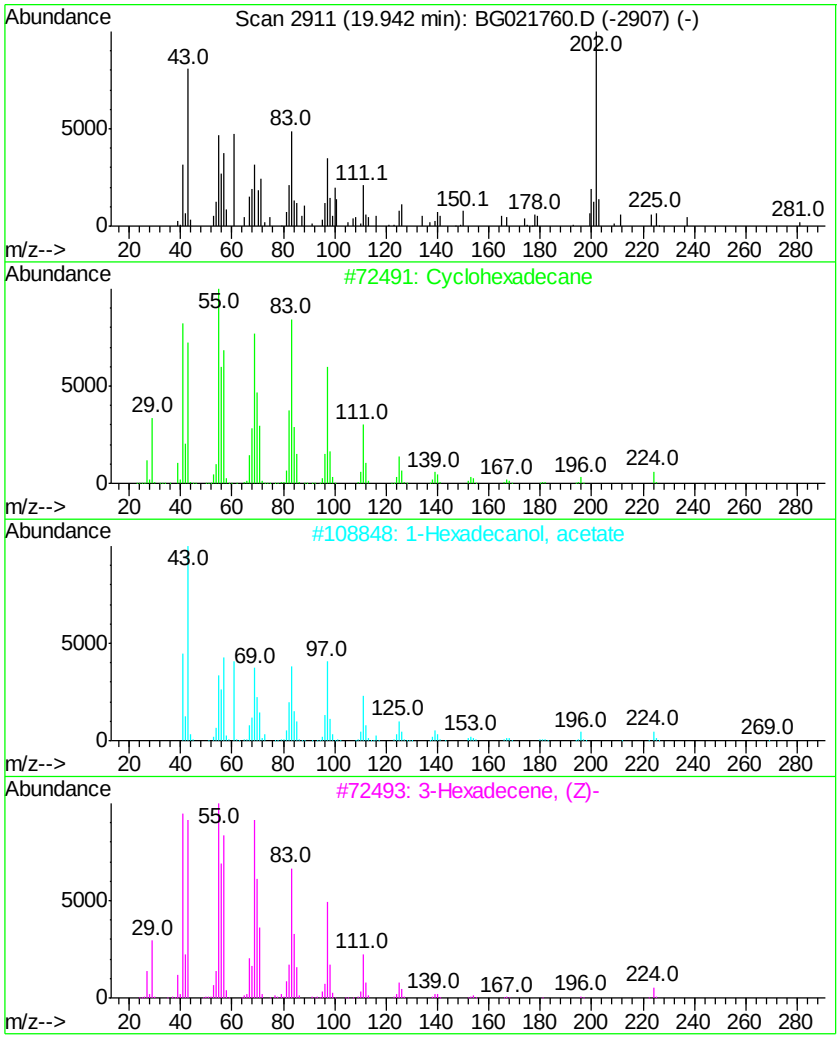
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

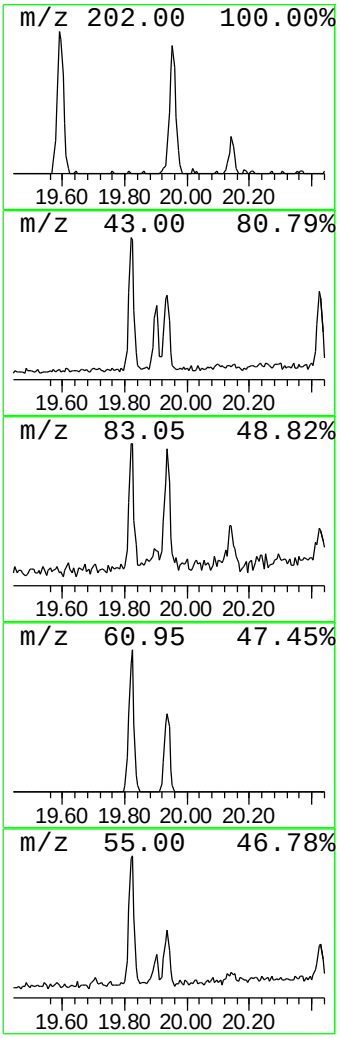
****

Peak Number 9 Cyclohexadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	2.77 ng	88480	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	91
2	1-Hexadecanol, acetate	284	C18H36O2	000629-70-9	90
3	3-Hexadecene, (Z)-	224	C16H32	034303-81-6	86
4	Acetic acid, octadecyl ester	312	C20H40O2	000822-23-1	80
5	1-Pentadecanol acetate	270	C17H34O2	000629-58-3	72





Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021760.D
Acq On : 19 Apr 2016 12:19
Operator : UM/SJ
Sample : H2414-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FB-BWR-BB-R04-CS-1(0-16FT)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

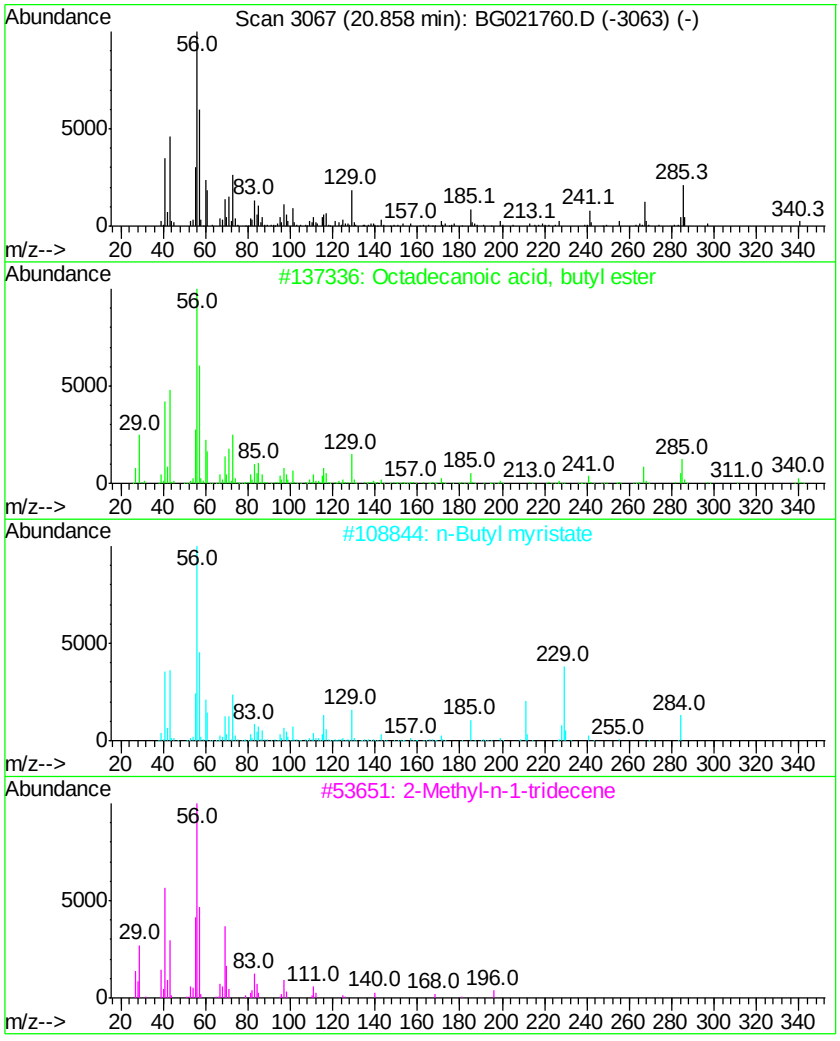
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

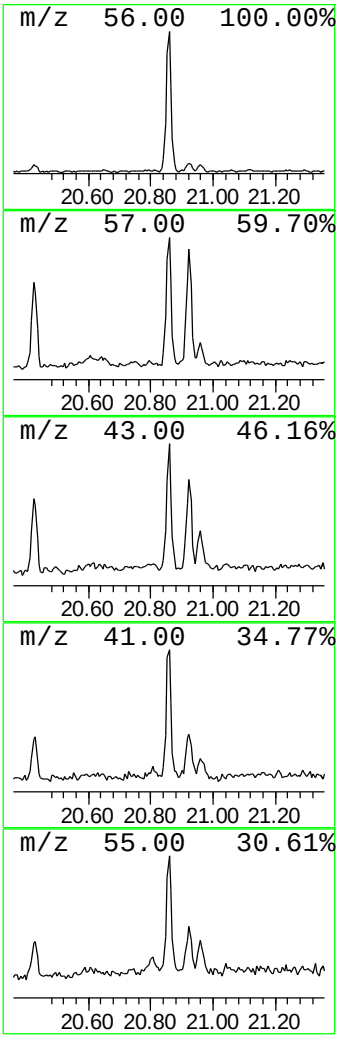
****

Peak Number 10 Octadecanoic acid, butyl ester Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.86	5.21 ng	166364	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	97
2	n-Butyl myristate	284	C18H36O2	000110-36-1	64
3	2-Methyl-n-1-tridecene	196	C14H28	018094-01-4	35
4	Cyclopropane, 1-(1-methylethyl)-...	210	C15H30	041977-39-3	35
5	Cyclobutane, 1-hexyl-2,3-dimethyl-	168	C12H24	055170-84-8	35





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Data File : BG021760.D
Acq On : 19 Apr 2016 12:19
Operator : UM/SJ
Sample : H2414-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FB-BWR-BB-R04-CS-1(0-16FT)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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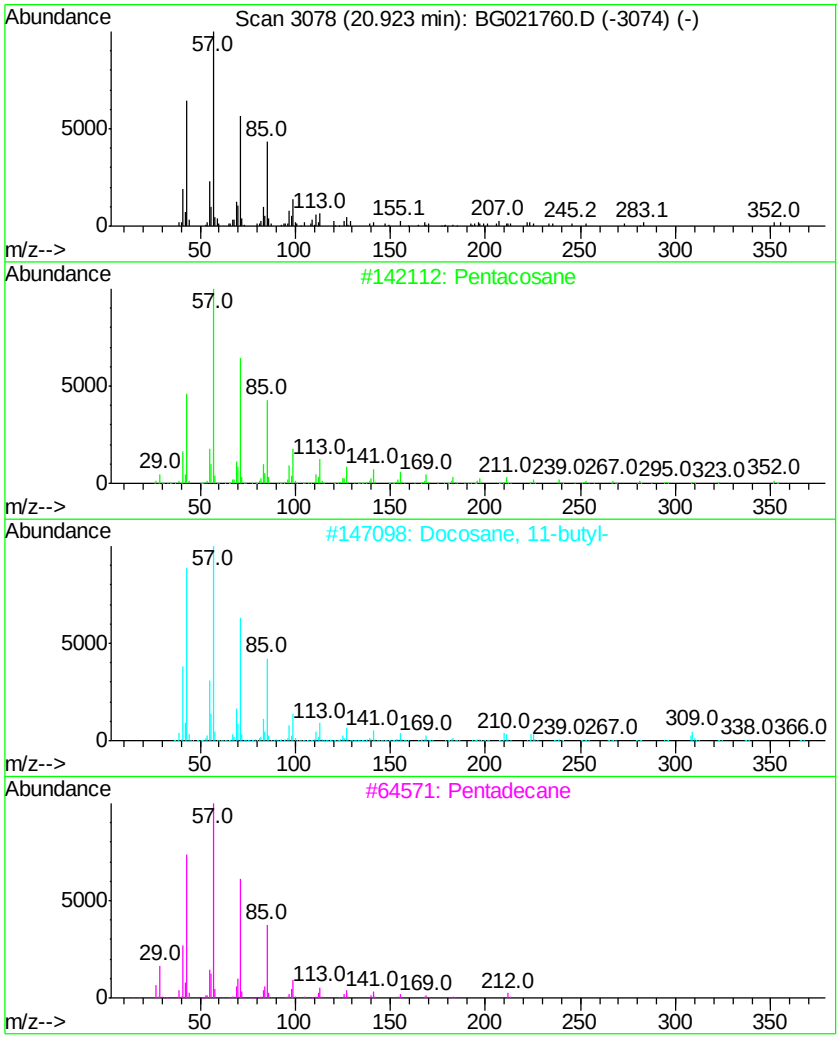
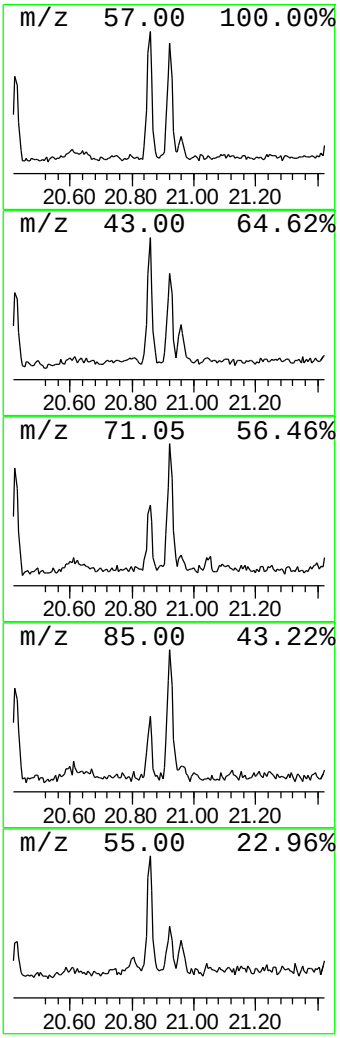
Peak Number 11 Pentacosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	2.07 ng	66112	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane	352	C25H52	000629-99-2	93
2	Docosane, 11-butyl-	366	C26H54	013475-76-8	87
3	Pentadecane	212	C15H32	000629-62-9	87
4	Eicosane	282	C20H42	000112-95-8	80
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80





Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021760.D
Acq On : 19 Apr 2016 12:19
Operator : UM/SJ
Sample : H2414-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FB-BWR-BB-R04-CS-1(0-16FT)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.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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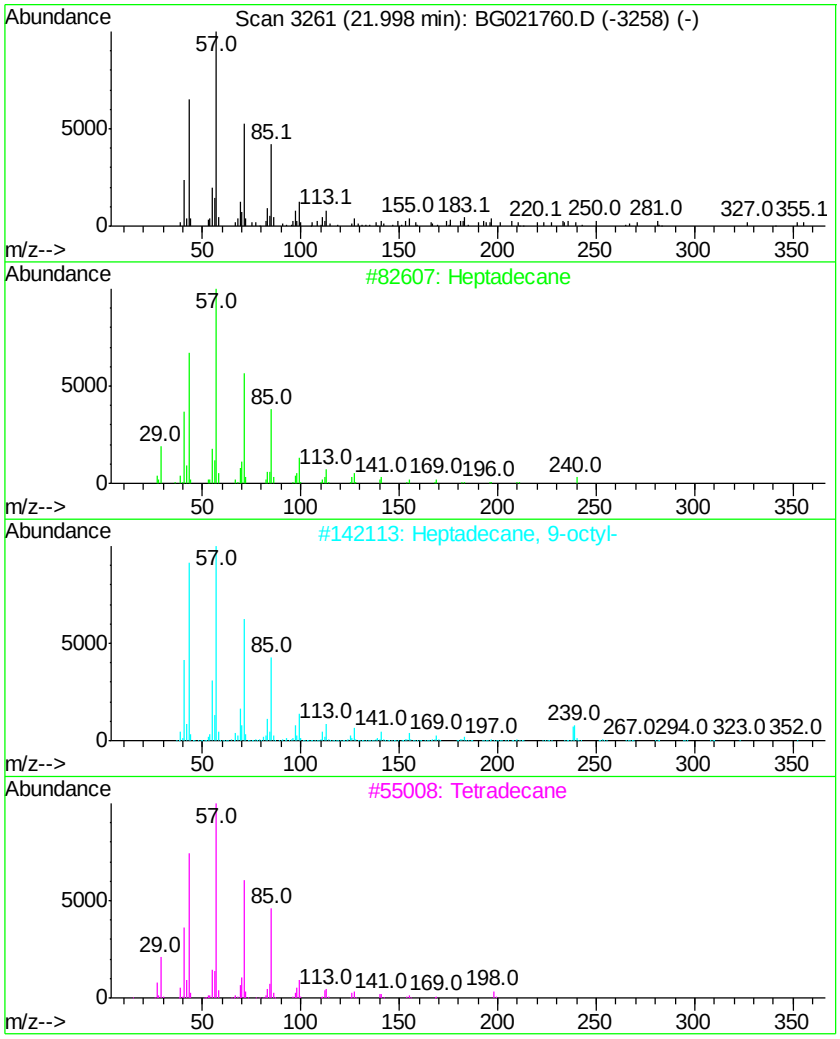
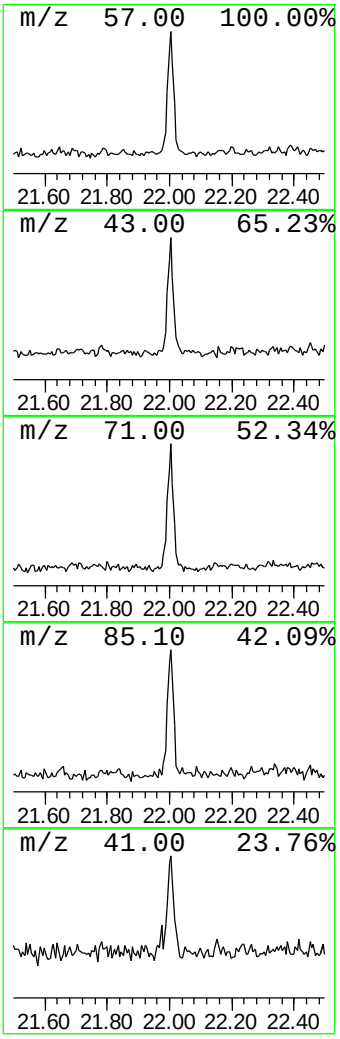
Peak Number 13 Heptadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.00	2.16 ng	68850	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	90
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	87
3	Tetradecane	198	C14H30	000629-59-4	87
4	Heptacosane	380	C27H56	000593-49-7	83
5	Eicosane	282	C20H42	000112-95-8	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041916\
Data File : BG021760.D
Acq On : 19 Apr 2016 12:19
Operator : UM/SJ
Sample : H2414-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FB-BWR-BB-R04-CS-1(0-16FT)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.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
unknown3.09	3.09	346.2	ng	3896720	1	8.21	225126	20.0
2-Pentanone, 4-hy...	5.28	8.8	ng	99016	1	8.21	225126	20.0
unknown7.74	7.74	96.8	ng	1089410	1	8.21	225126	20.0
Tridecane	14.69	2.3	ng	53533	3	14.82	457571	20.0
Hexadecane	15.63	3.1	ng	70983	3	14.82	457571	20.0
Eicosane	16.49	2.9	ng	75423	4	17.56	522414	20.0
Hexadecanoic acid...	19.82	6.3	ng	202354	5	21.83	638893	20.0
Cyclohexadecane	19.94	2.8	ng	88480	5	21.83	638893	20.0
Octadecanoic acid...	20.86	5.2	ng	166364	5	21.83	638893	20.0
Pentacosane	20.92	2.1	ng	66112	5	21.83	638893	20.0
Heptadecane	22.00	2.2	ng	68850	5	21.83	638893	20.0