LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
Data File : BG024705.D
Acq On : 5 Nov 2016 10:09
Operator : UM/SJ
Sample : H5509-23
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : GW-93-8.45-17.0

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-BG102516.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	3.596	123	129	145	rVB	967882	1959054	19.84%	3.272%
2	5.330	417	424	434	rBV2	227514	365656	3.70%	0.611%
3	5.800	496	504	512	rBV	1233154	2128173	21.55%	3.554%
4	6.305	583	590	599	rVB	1109077	1818948	18.42%	3.038%
5	7.227	741	747	758	rVB2	54393	109063	1.10%	0.182%
6	7.327	758	764	770	rBV	88567	154339	1.56%	0.258%
7	7.404	770	777	785	rVV	878068	1677541	16.99%	2.801%
8	7.468	785	788	794	rVB	93329	133515	1.35%	0.223%
9	7.786	831	842	847	rBV3	2221591	5296612	53.64%	8.845%
10	7.827	847	849	856	rVV	1069368	1373756	13.91%	2.294%
11	7.897	856	861	873	rVV	318092	608921	6.17%	1.017%
12	8.021	875	882	889	rBV3	144803	275626	2.79%	0.460%
13	8.267	916	924	935	rVV	447178	831344	8.42%	1.388%
14	8.373	935	942	949	rVB	121866	211735	2.14%	0.354%
15	8.591	969	979	987	rBV	1757877	3175053	32.15%	5.302%
16	9.442	1116	1124	1131	rBV	1543474	2827142	28.63%	4.721%
17	9.572	1140	1146	1155	rVB3	139025	221509	2.24%	0.370%
18	10.841	1356	1362	1371	rBV5	36007	100156	1.01%	0.167%
19	11.093	1397	1405	1409	rBV	600024	1176597	11.91%	1.965%
20	11.129	1409	1411	1419	rVB5	261687	472651	4.79%	0.789%
21	11.846	1527	1533	1543	rBV2	97166	207619	2.10%	0.347%
22	12.727	1676	1683	1687	rBV2	78844	137851	1.40%	0.230%
23	13.508	1806	1816	1824	rVB	3791213	6142406	62.20%	10.258%
24	14.319	1949	1954	1960	rVB	139547	219476	2.22%	0.367%
25	14.489	1978	1983	1989	rBV3	129794	209398	2.12%	0.350%
26	14.883	2043	2050	2056	rVV	941593	1522192	15.41%	2.542%
27	14.942	2056	2060	2066	rVB2	150273	245589	2.49%	0.410%
28	15.277	2109	2117	2123	rVB2	132883	313106	3.17%	0.523%
29	15.482	2146	2152	2160	rBV4	119397	210407	2.13%	0.351%
30	15.670	2181	2184	2192	rVB5	61112	100052	1.01%	0.167%
31	15.923	2221	2227	2232	rBV2	158810	244582	2.48%	0.408%
32	16.364	2295	2302	2309	rBV	3797442	5983645	60.59%	9.992%
33	17.274	2452	2457	2464	rBV4	66263	119787	1.21%	0.200%
34	17.627	2508	2517	2520	rBV	1239328	2030809	20.56%	3.391%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
Data File : BG024705.D
Acq On : 5 Nov 2016 10:09
Operator : UM/SJ
Sample : H5509-23
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : GW-93-8.45-17.0

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-BG102516.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.668	2520	2524	2530	rVB	550845	847799	8.59%	1.416%
36	17.756	2536	2539	2544	rVB2	91383	127334	1.29%	0.213%
37	18.549	2669	2674	2681	rVB5	68273	117567	1.19%	0.196%
38	19.660	2859	2863	2868	rVB	218281	287525	2.91%	0.480%
39	20.024	2921	2925	2930	rVB	146834	217492	2.20%	0.363%
40	20.206	2950	2956	2961	rBV	7374028	9875211	100.00%	16.491%
41	21.922	3240	3248	3254	rBV	1594574	2905346	29.42%	4.852%
42	25.353	3820	3832	3842	rVB2	952084	2899230	29.36%	4.842%

Sum of corrected areas: 59881814

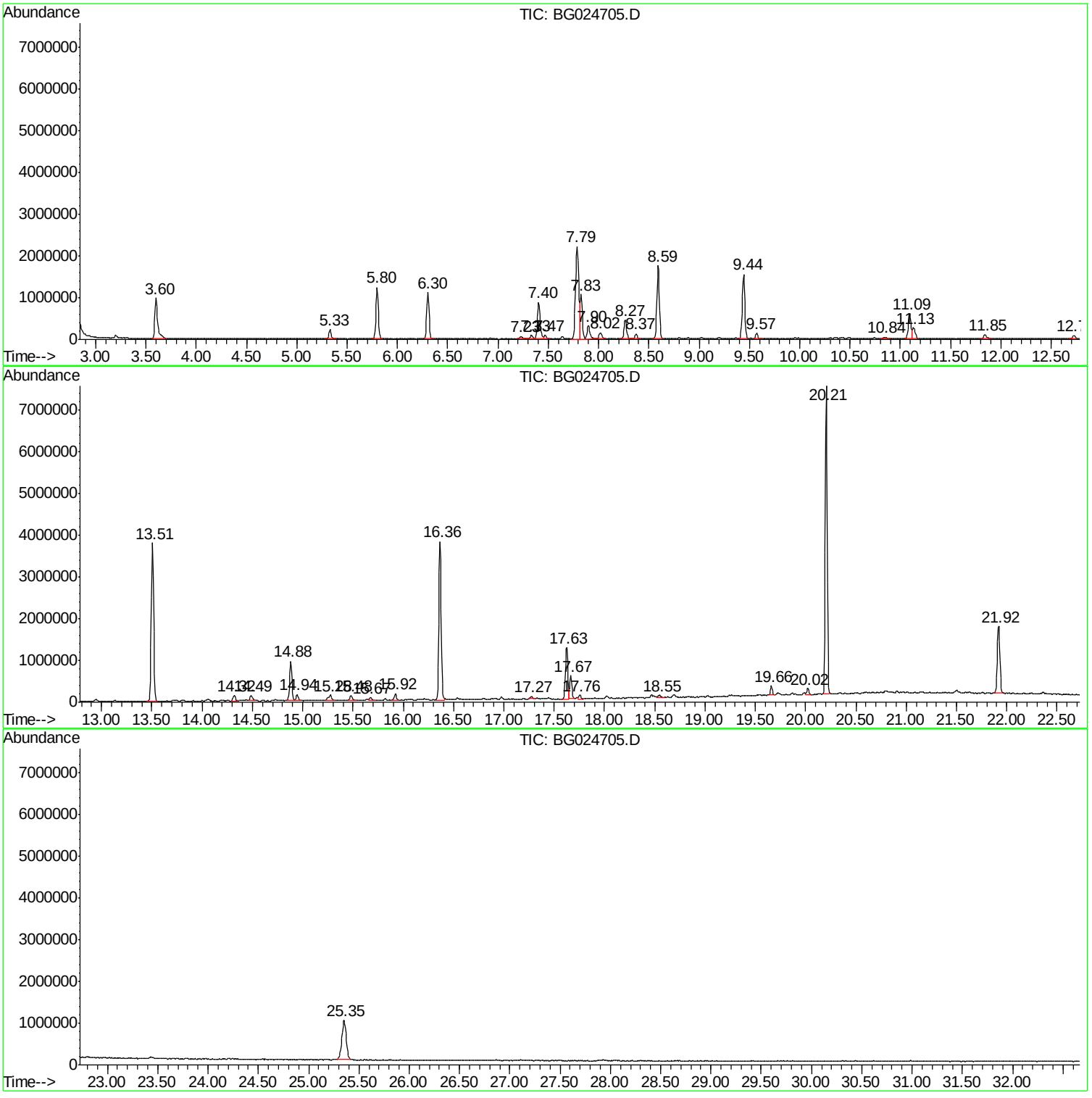
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
Data File : BG024705.D
Acq On : 5 Nov 2016 10:09
Operator : UM/SJ
Sample : H5509-23
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : GW-93-8.45-17.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
Data File : BG024705.D
Acq On : 5 Nov 2016 10:09
Operator : UM/SJ
Sample : H5509-23
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : GW-93-8.45-17.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

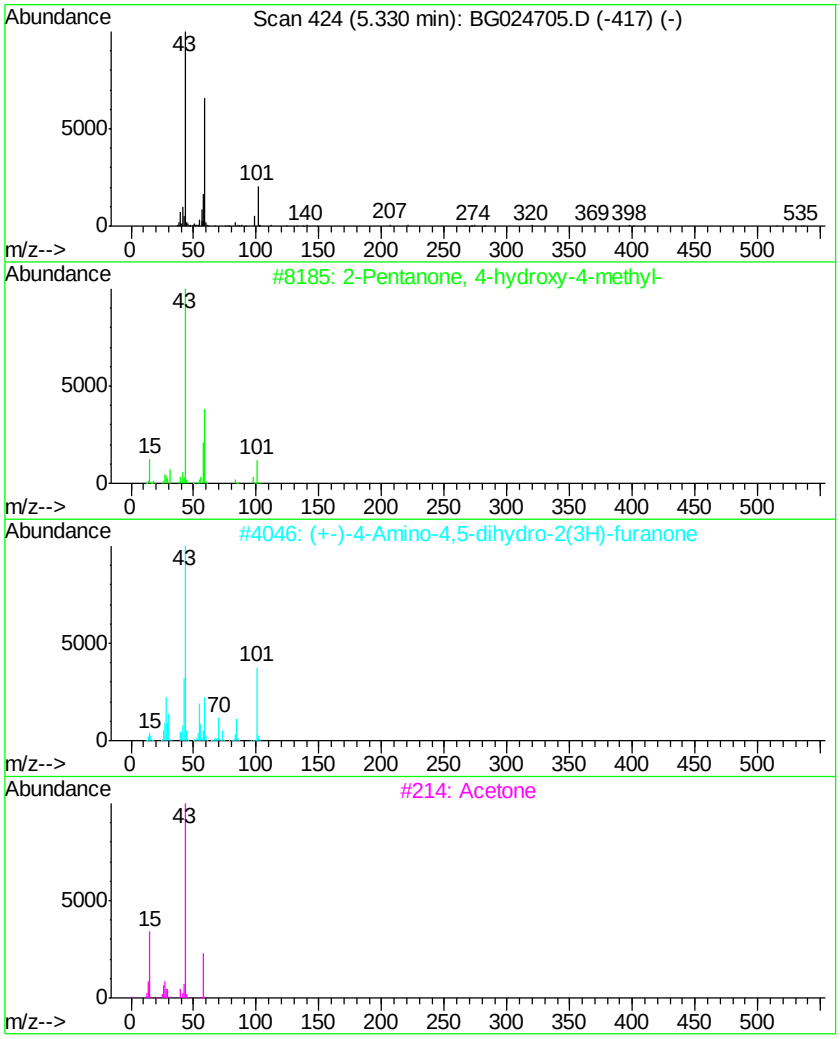
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

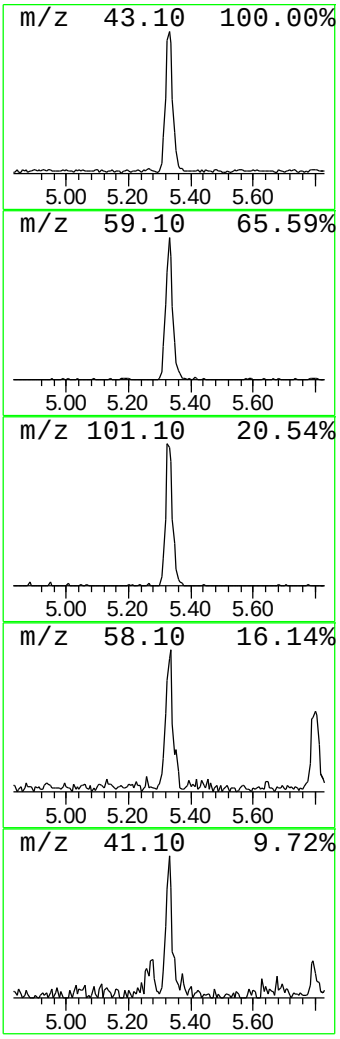
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.33	8.80 ng	365656	1,4-Dichlorobenzene-d4	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	28
2	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
3	Acetone	58	C3H6O	000067-64-1	9
4	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	9
5	Silane, dimethyl-	60	C2H8Si	001111-74-6	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
Data File : BG024705.D
Acq On : 5 Nov 2016 10:09
Operator : UM/SJ
Sample : H5509-23
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : GW-93-8.45-17.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

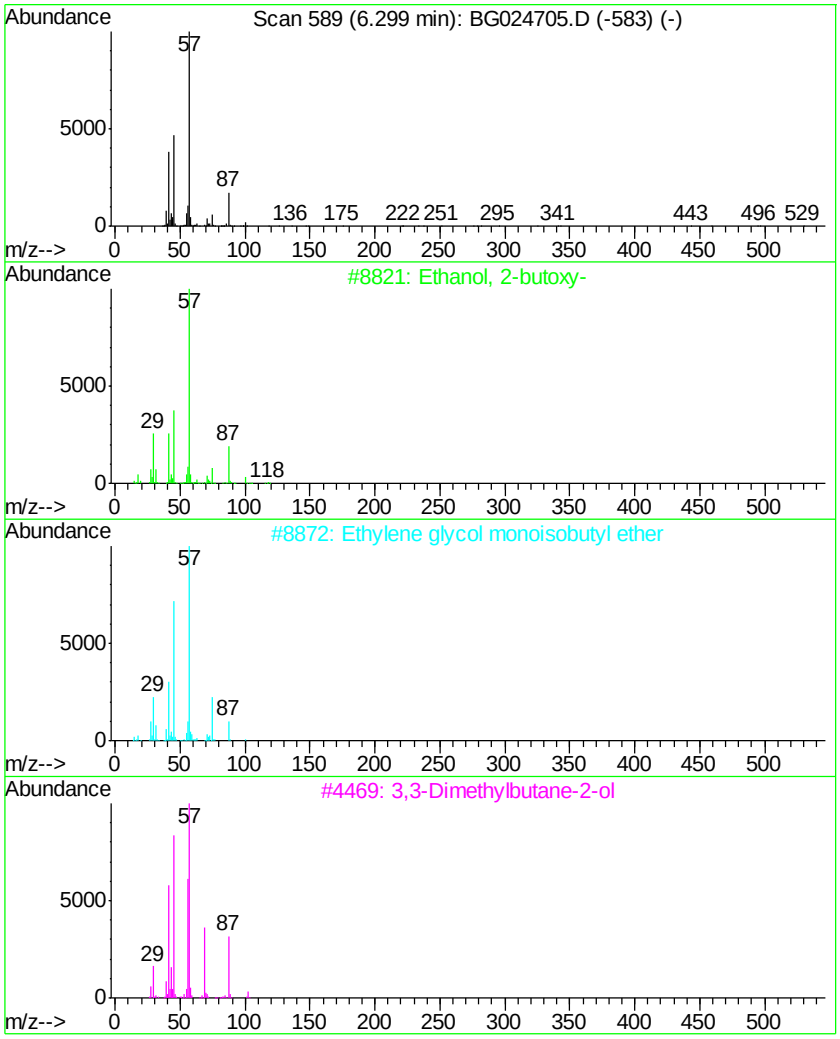
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

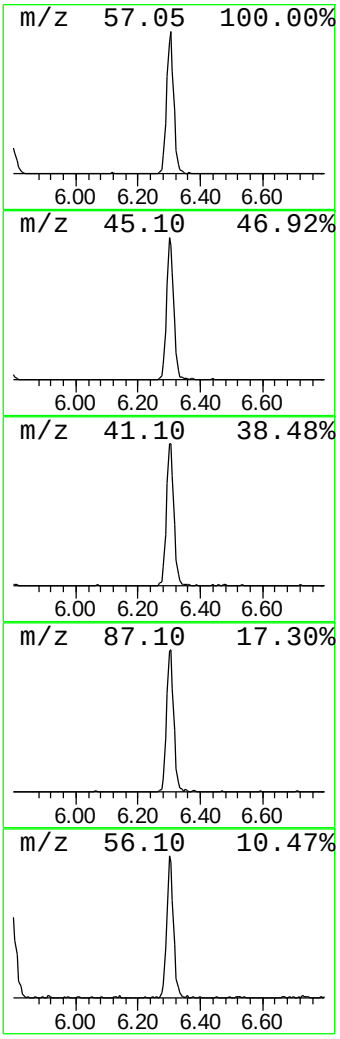
****

Peak Number 3 Ethanol, 2-butoxy- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	43.76 ng	1818950	1,4-Dichlorobenzene-d4	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	83
2	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	45
3	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	28
4	Propanedioic acid, oxo-, bis(2-m...	230	C11H18O5	092778-43-3	22
5	Propanoic acid, 2,2-dimethyl-	102	C5H10O2	000075-98-9	12





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
Data File : BG024705.D
Acq On : 5 Nov 2016 10:09
Operator : UM/SJ
Sample : H5509-23
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : GW-93-8.45-17.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

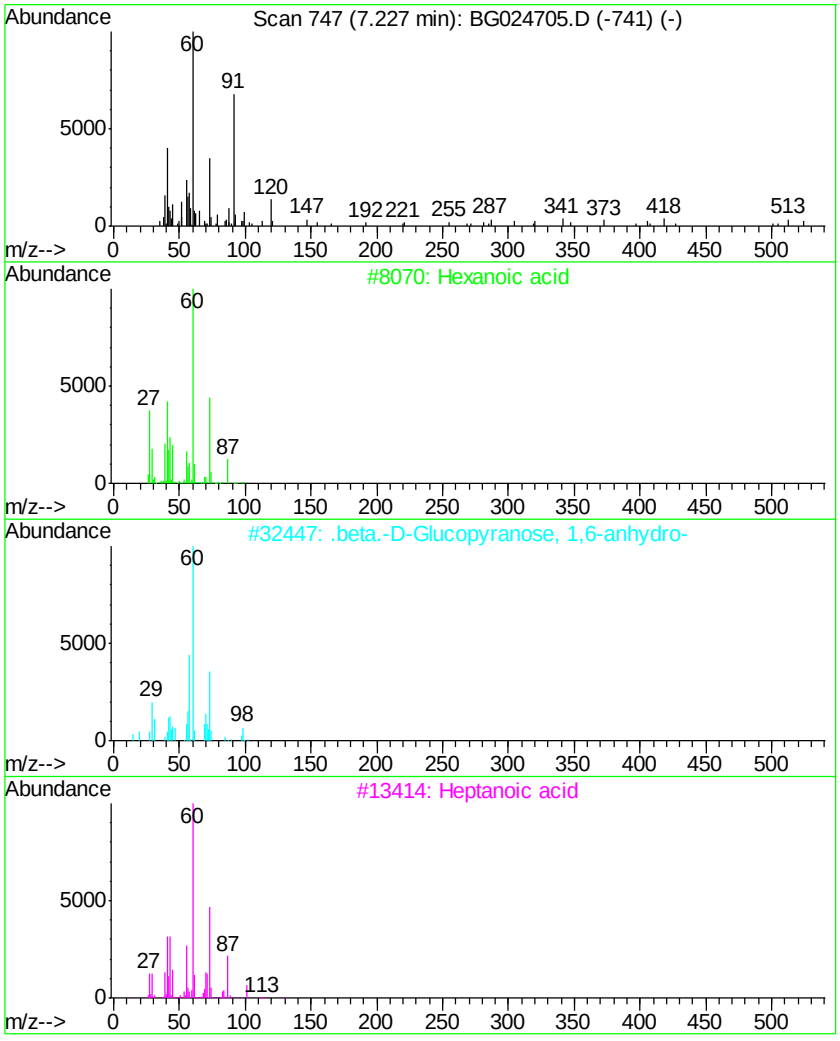
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

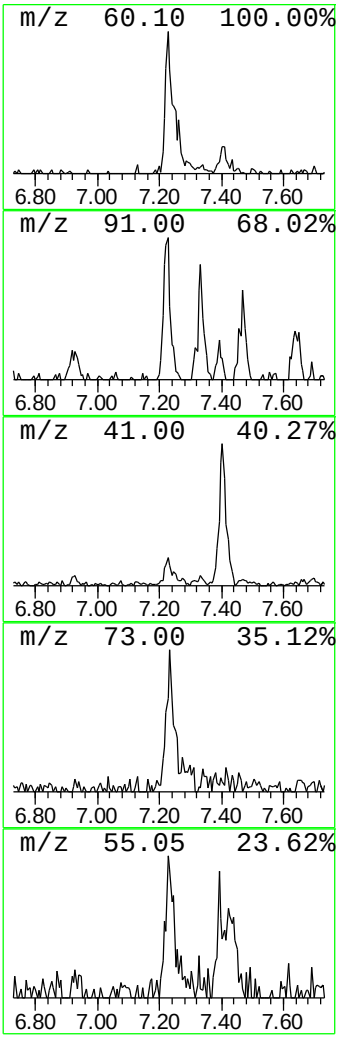
****

Peak Number 4 Hexanoic acid Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.23	2.62 ng	109063	1,4-Dichlorobenzene-d4	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid	116	C6H12O2	000142-62-1	64
2	.beta.-D-Glucopyranose, 1,6-anhy...	162	C6H10O5	000498-07-7	64
3	Heptanoic acid	130	C7H14O2	000111-14-8	50
4	Pentanoic acid	102	C5H10O2	000109-52-4	50
5	Hydrazinecarbothioamide	91	CH5N3S	000079-19-6	49





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
Data File : BG024705.D
Acq On : 5 Nov 2016 10:09
Operator : UM/SJ
Sample : H5509-23
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : GW-93-8.45-17.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

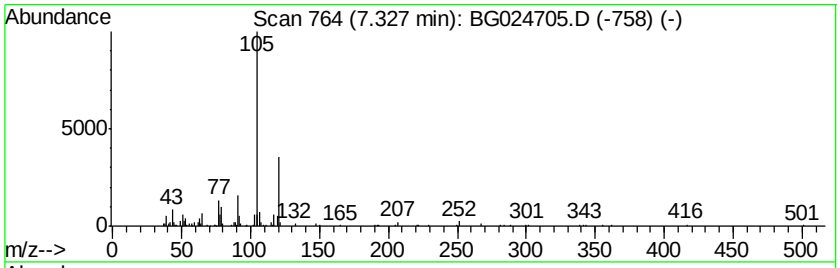
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

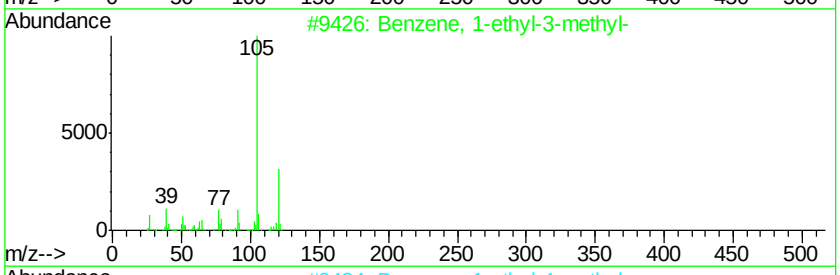
****

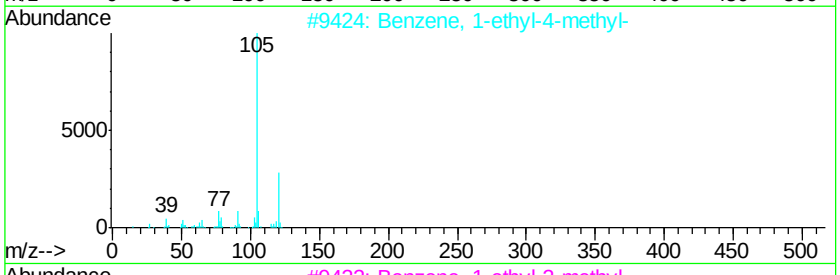
Peak Number 5 Benzene, 1-ethyl-3-methyl- Concentration Rank 11

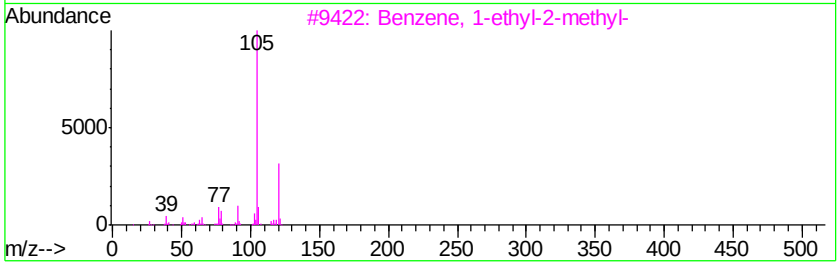
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.33	3.71 ng	154339	1,4-Dichlorobenzene-d4	8.27

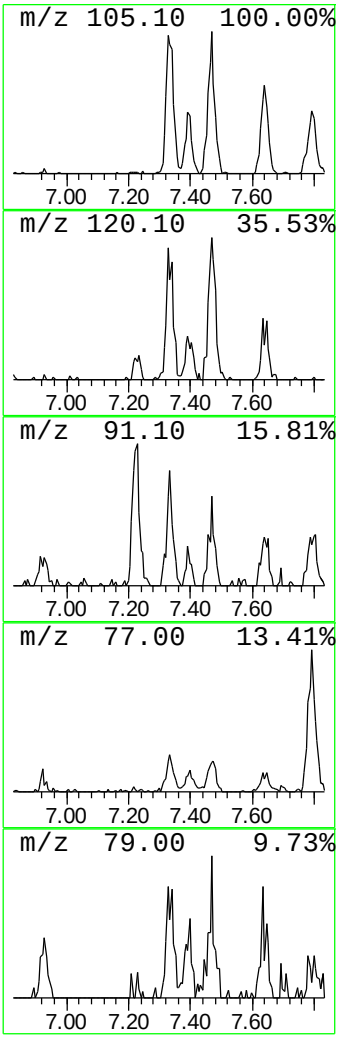
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	81
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	72
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	64
4	Mesitylene	120	C9H12	000108-67-8	64
5	Hydroxylamine, methyl-(1-phenyle...	151	C9H13NO	1000164-80-4	59











Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
Data File : BG024705.D
Acq On : 5 Nov 2016 10:09
Operator : UM/SJ
Sample : H5509-23
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : GW-93-8.45-17.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

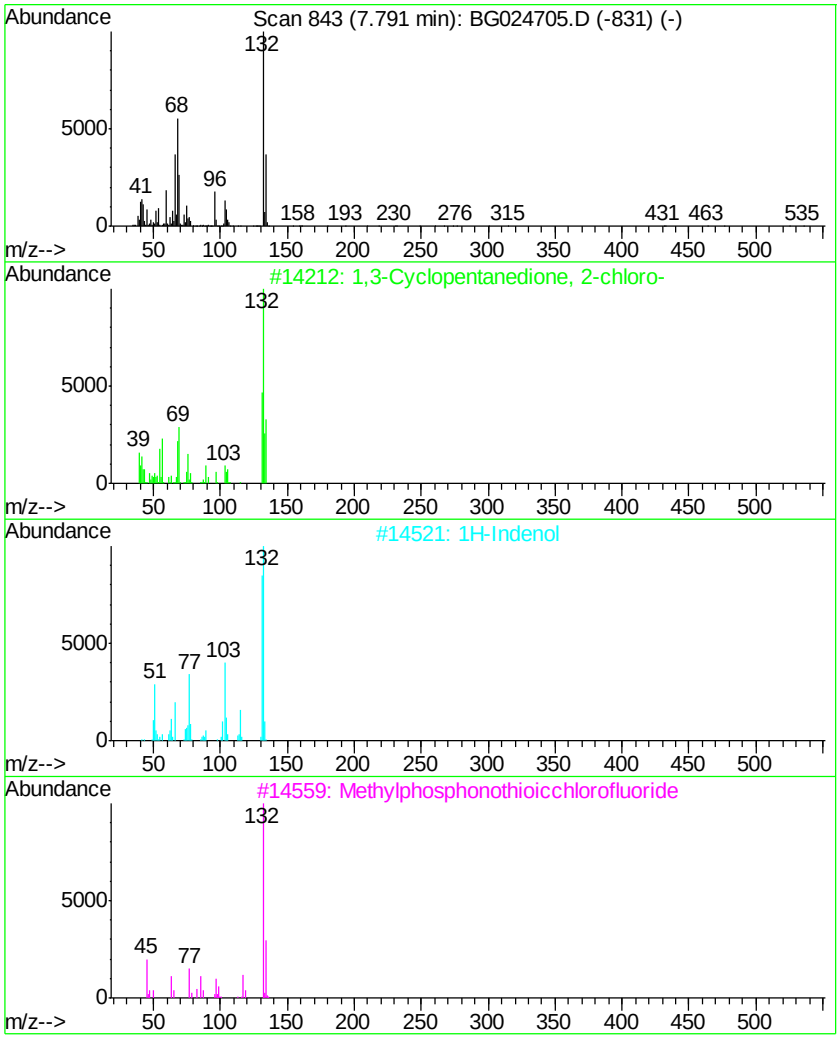
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

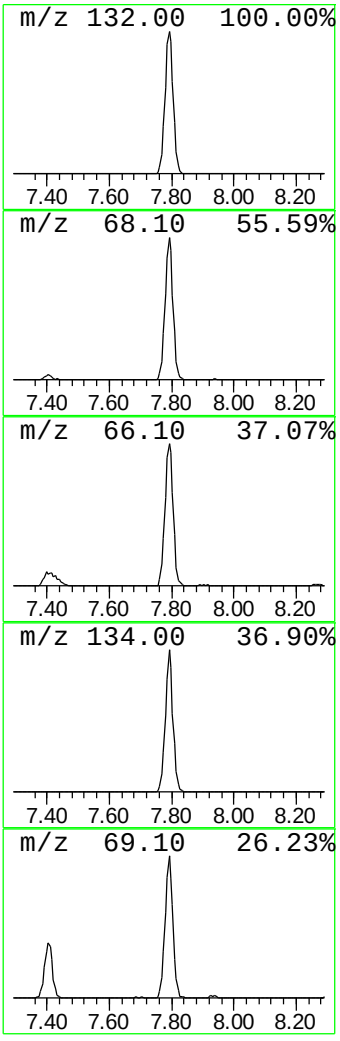
****

Peak Number 6 unknown7.79 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.79	127.42 ng	5296610	1,4-Dichlorobenzene-d4	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	17
2	1H-Indenol	132	C9H8O	056631-57-3	14
3	Methylphosphonothioicchlorofluoride	132	CH3ClFPS	027127-27-1	12
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
5	1H-Tetrazaborole, 5-chloro-4,5-d...	132	C2H6BClN4	021960-49-6	10





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
Data File : BG024705.D
Acq On : 5 Nov 2016 10:09
Operator : UM/SJ
Sample : H5509-23
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : GW-93-8.45-17.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

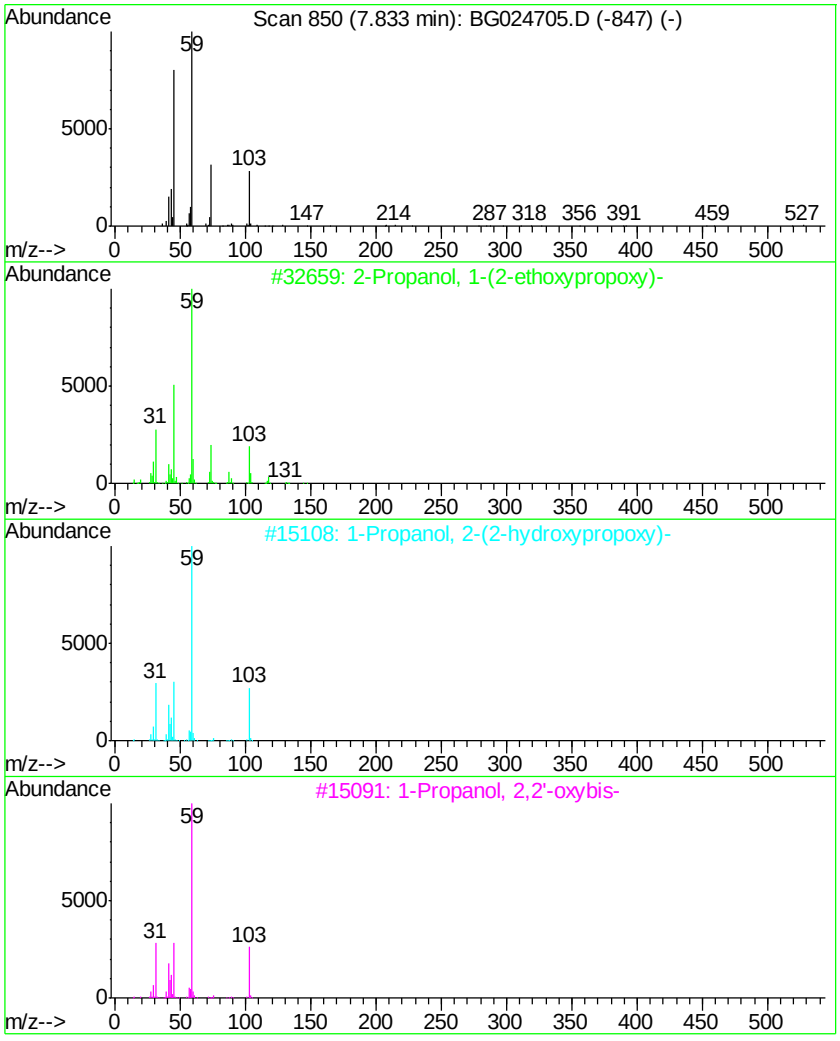
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

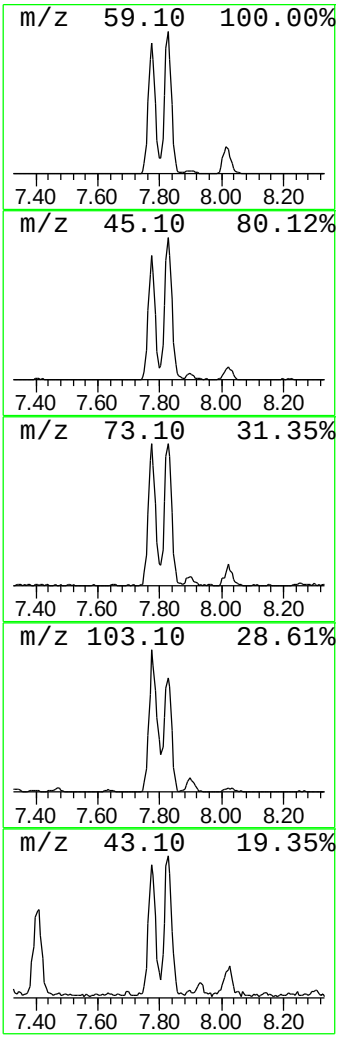
****

Peak Number 7 2-Propanol, 1-(2-ethoxyprop... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.83	33.05 ng	1373760	1,4-Dichlorobenzene-d4	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-ethoxypropoxy)-	162	C8H18O3	010143-32-5	64
2	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	42
3	1-Propanol, 2,2'-oxybis-	134	C6H14O3	000108-61-2	42
4	Ethyl 2,5,8,11,14,17-hexaoxanona...	338	C15H30O8	1000366-80-6	39
5	Ethyl 2,5,8,11,14,17,20-heptaoxa...	382	C17H34O9	1000366-80-5	39





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Acq On : 5 Nov 2016 10:09
Operator : UM/SJ
Sample : H5509-23
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : GW-93-8.45-17.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

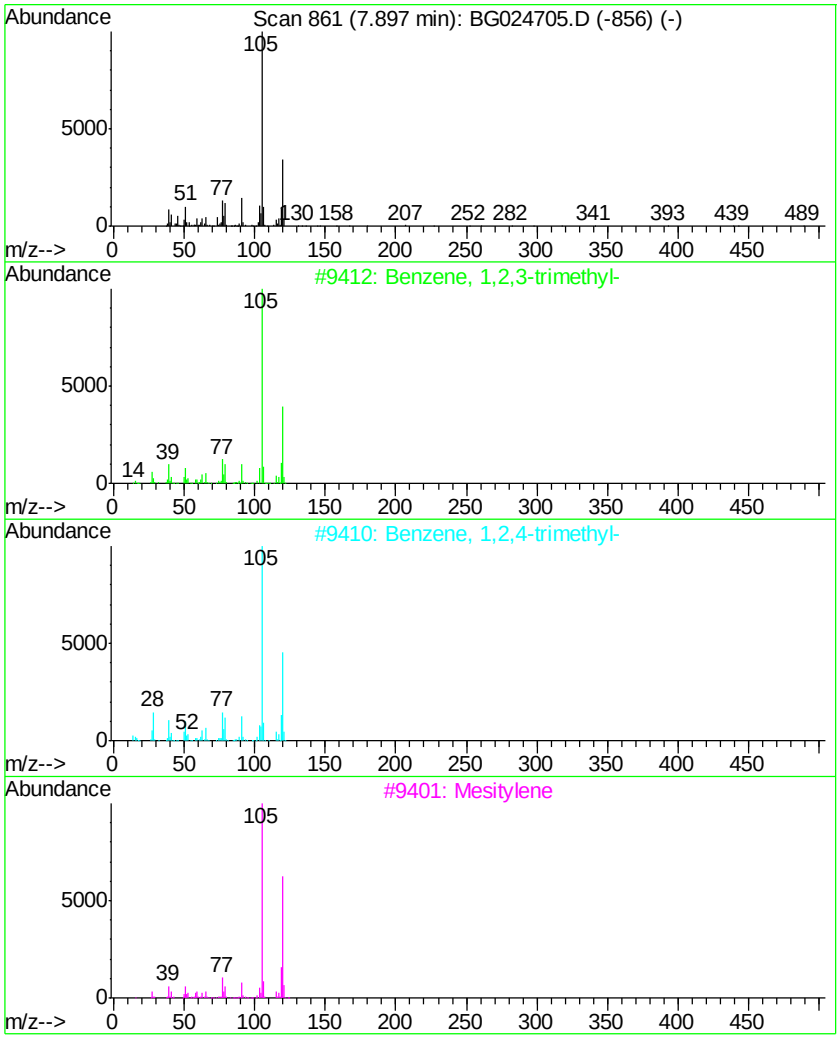
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

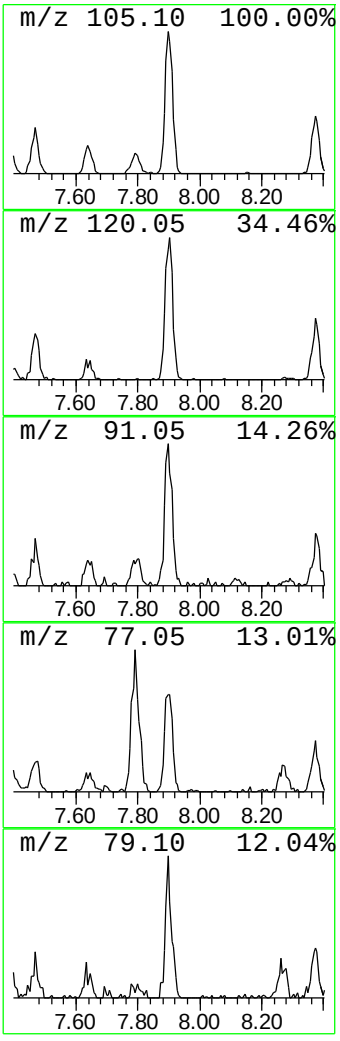
****

Peak Number 8 Benzene, 1,2,3-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.90	14.65 ng	608921	1,4-Dichlorobenzene-d4	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
Data File : BG024705.D
Acq On : 5 Nov 2016 10:09
Operator : UM/SJ
Sample : H5509-23
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : GW-93-8.45-17.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

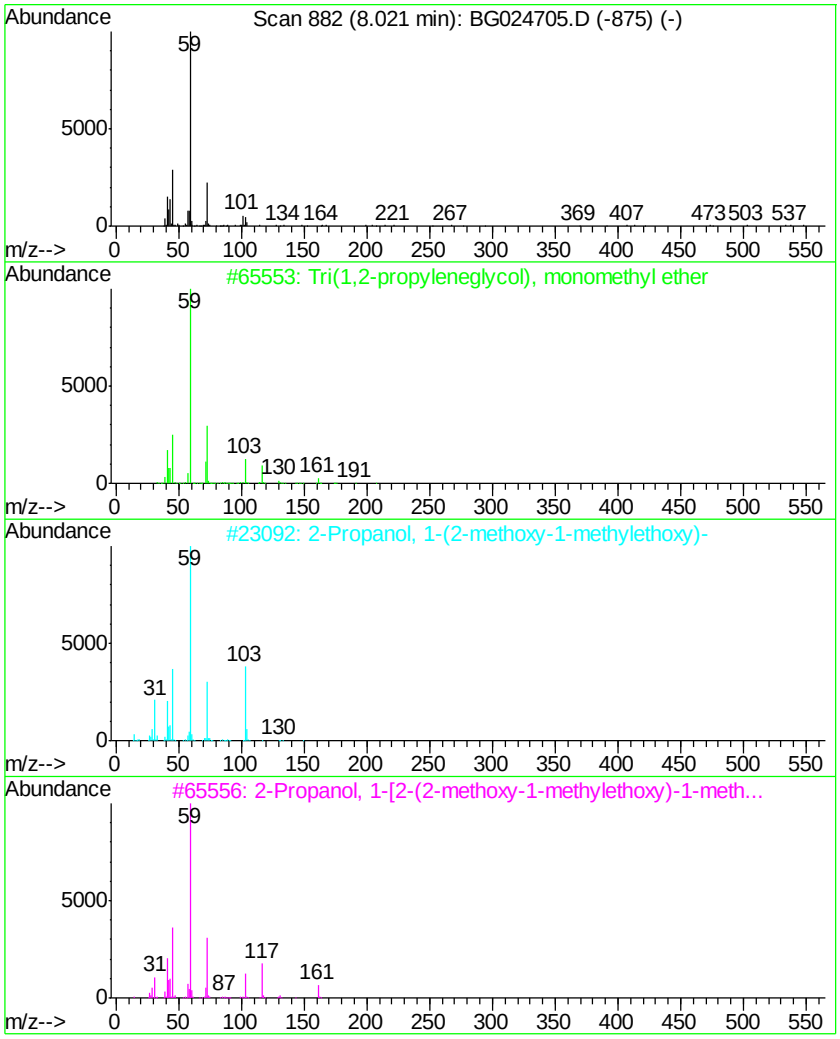
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

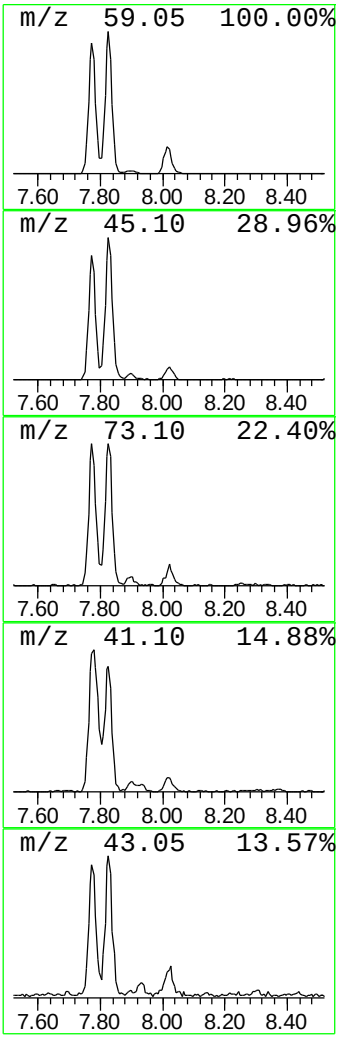
****

Peak Number 9 Tri(1,2-propyleneglycol), m... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.02	6.63 ng	275626	1,4-Dichlorobenzene-d4	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tri(1,2-propyleneglycol), monome...	206	C10H22O4	1000262-26-6	56
2	2-Propanol, 1-(2-methoxy-1-methy...	148	C7H16O3	020324-32-7	56
3	2-Propanol, 1-[2-(2-methoxy-1-me...	206	C10H22O4	020324-33-8	56
4	1-Propanol, 2,2'-oxybis-	134	C6H14O3	000108-61-2	53
5	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
Data File : BG024705.D
Acq On : 5 Nov 2016 10:09
Operator : UM/SJ
Sample : H5509-23
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : GW-93-8.45-17.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

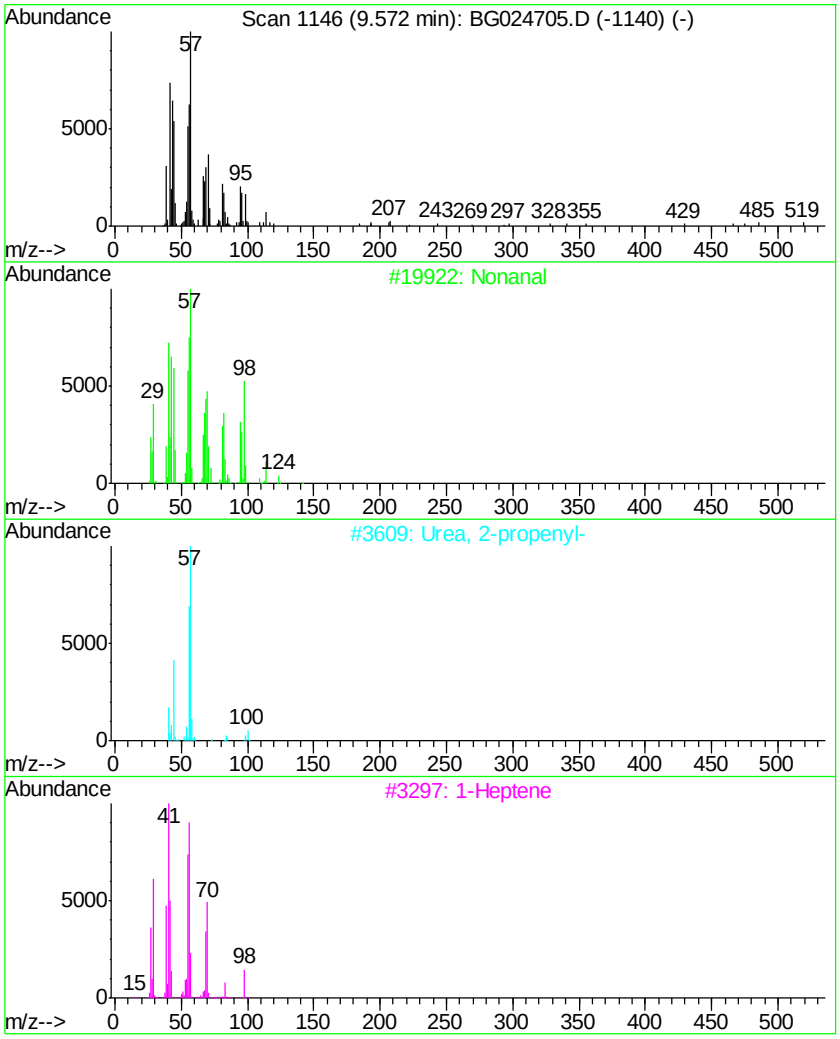
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

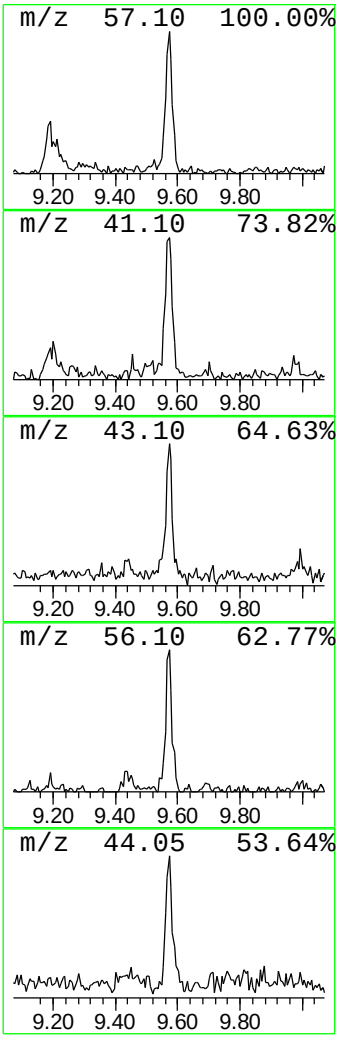
****

Peak Number 12 unknown9.57 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	5.33 ng	221509	1,4-Dichlorobenzene-d4	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanal	142	C9H18O	000124-19-6	47
2	Urea, 2-propenyl-	100	C4H8N2O	000557-11-9	47
3	1-Heptene	98	C7H14	000592-76-7	42
4	(Z)-2-Heptene	98	C7H14	006443-92-1	42
5	Butane, 1-isocyanato-	99	C5H9NO	000111-36-4	41





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
Data File : BG024705.D
Acq On : 5 Nov 2016 10:09
Operator : UM/SJ
Sample : H5509-23
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : GW-93-8.45-17.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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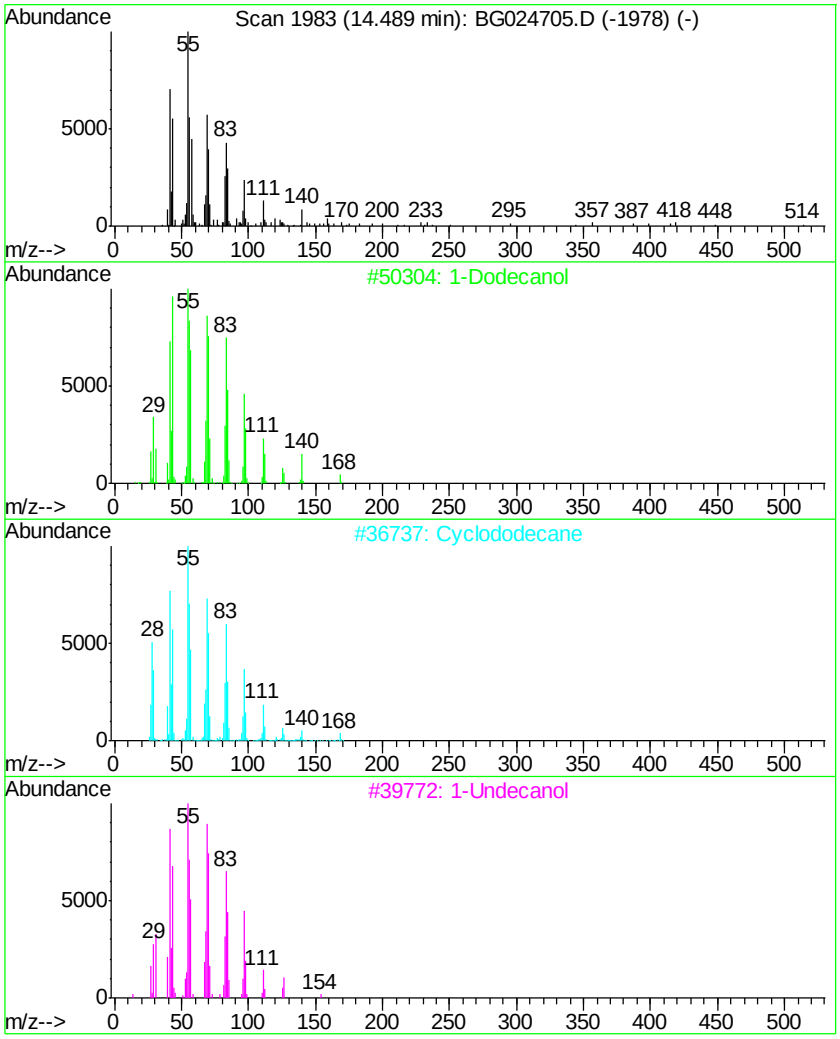
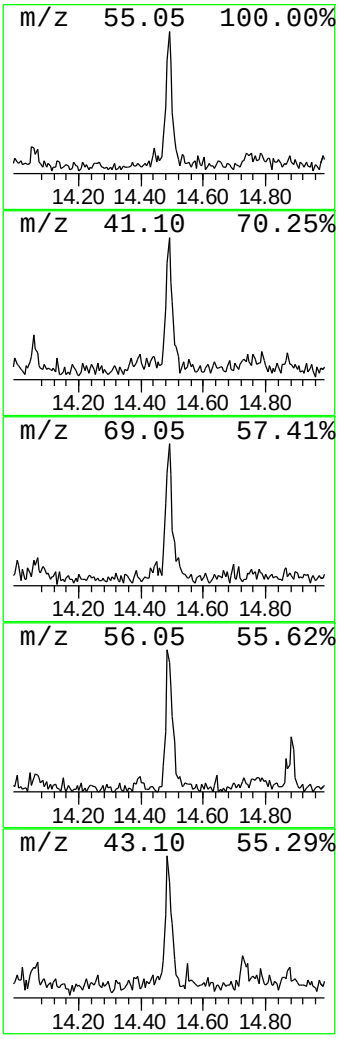
Peak Number 15 1-Dodecanol Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	2.75 ng	209398	Acenaphthene-d10	14.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Dodecanol	186	C12H26O	000112-53-8	86
2	Cyclododecane	168	C12H24	000294-62-2	86
3	1-Undecanol	172	C11H24O	000112-42-5	86
4	Cyclooctane, methyl-	126	C9H18	001502-38-1	76
5	Cyclopentane, (3-methylbutyl)-	140	C10H20	001005-68-1	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
Data File : BG024705.D
Acq On : 5 Nov 2016 10:09
Operator : UM/SJ
Sample : H5509-23
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : GW-93-8.45-17.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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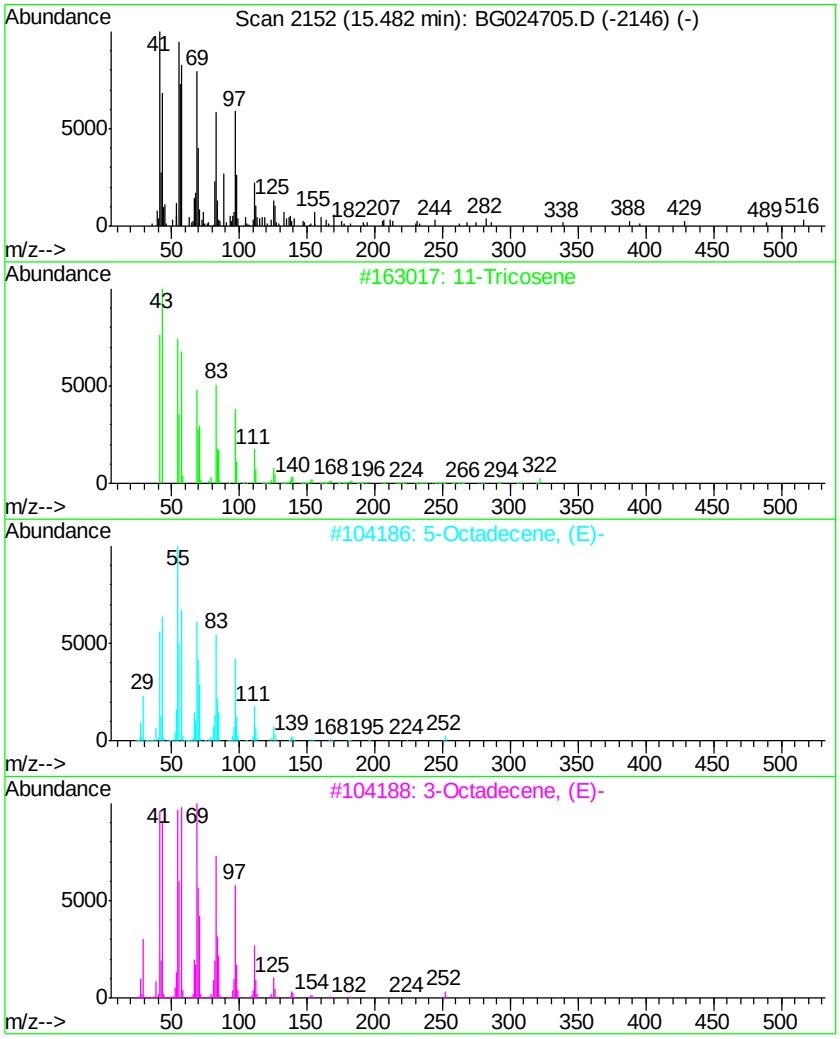
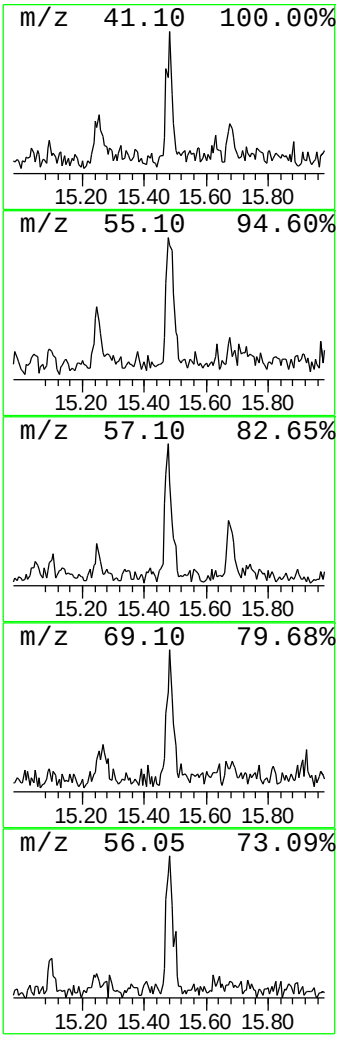
Peak Number 16 11-Tricosene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.48	2.76 ng	210407	Acenaphthene-d10	14.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11-Tricosene	322	C23H46	052078-56-5	80
2	5-Octadecene, (E)-	252	C18H36	007206-21-5	80
3	3-Octadecene, (E)-	252	C18H36	007206-19-1	80
4	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	62
5	Cetene	224	C16H32	000629-73-2	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110416\
Data File : BG024705.D
Acq On : 5 Nov 2016 10:09
Operator : UM/SJ
Sample : H5509-23
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : GW-93-8.45-17.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.33	8.8	ng	365656	1	8.27	831344	20.0
Ethanol, 2-butoxy-	6.30	43.8	ng	1818950	1	8.27	831344	20.0
Hexanoic acid	7.23	2.6	ng	109063	1	8.27	831344	20.0
Benzene, 1-ethyl-...	7.33	3.7	ng	154339	1	8.27	831344	20.0
unknown7.79	7.79	127.4	ng	5296610	1	8.27	831344	20.0
2-Propanol, 1-(2-...	7.83	33.0	ng	1373760	1	8.27	831344	20.0
Benzene, 1,2,3-tr...	7.90	14.7	ng	608921	1	8.27	831344	20.0
Tri(1,2-propylene...	8.02	6.6	ng	275626	1	8.27	831344	20.0
unknown9.57	9.57	5.3	ng	221509	1	8.27	831344	20.0
1-Dodecanol	14.49	2.8	ng	209398	3	14.88	1522190	20.0
11-Tricosene	15.48	2.8	ng	210407	3	14.88	1522190	20.0