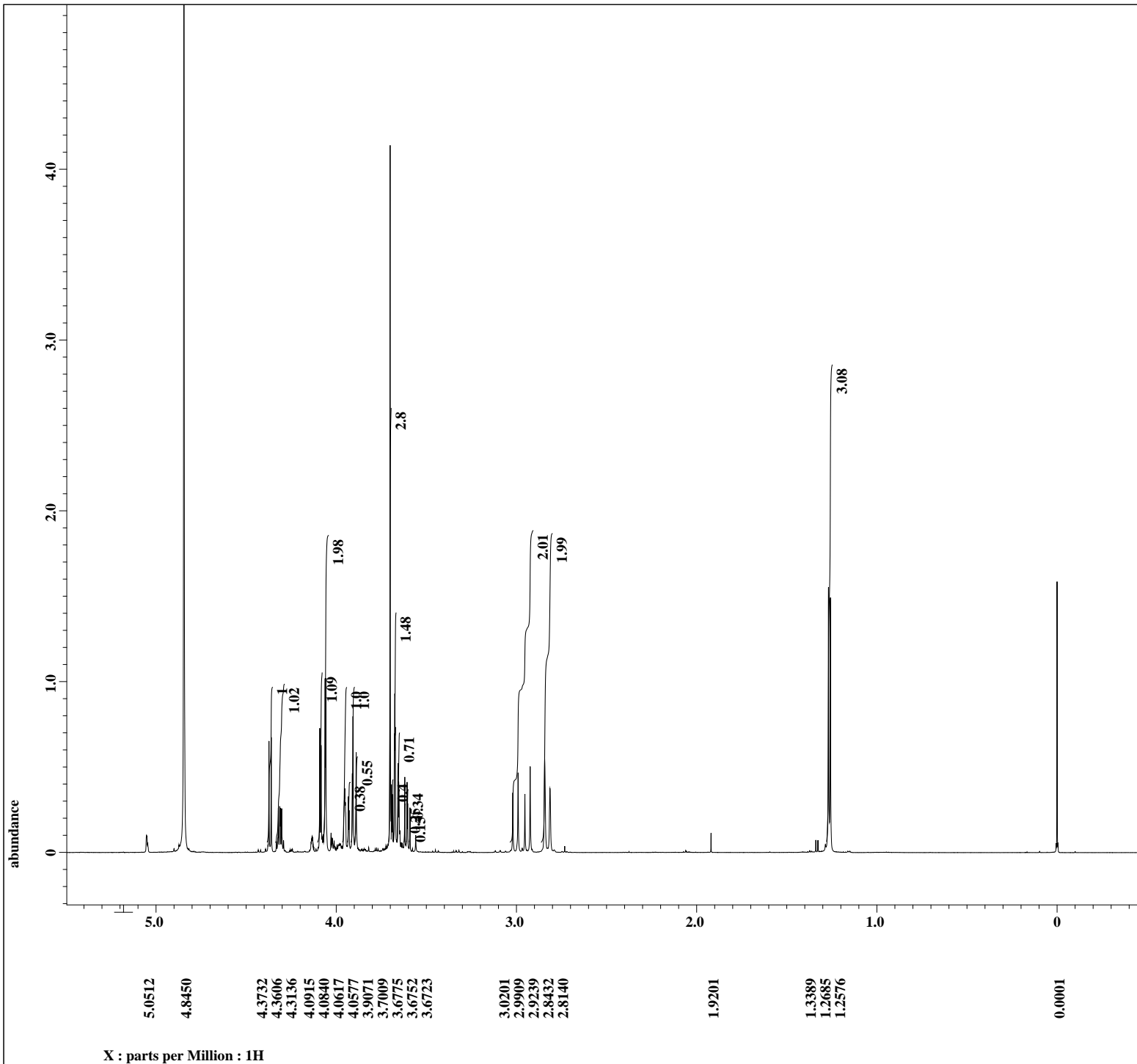


Novel glycosylated mycosporine-like amino acids with radical scavenging activity from the cyanobacterium *Nostoc commune*

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---- PROCESSING PARAMETERS ----
dc_balance : 0 : FALSE
sexp : 0.2[Hz] : 0.0[s]
trapezoid3 : 0[%] : 80[%] : 100[%]
zerofill : 1
fft : 1 : TRUE : TRUE
machinephase
ppm
reference : -0.18[ppm] : 0[ppm]
Derived from: MAA335-1H-1.jdf

Filename = MAA335-1H-6.jdf
Author = delta
Experiment = single_pulse.ex2
Sample_id = S#815234
Solvent = D2O
Creation_time = 16-DEC-2010 22:31:40
Revision_time = 17-DEC-2010 08:23:58
Current_time = 17-DEC-2010 08:24:46
Comment = 20101216
Data_format = 1D COMPLEX
Dim_size = 26214
Dim_title = 1H
Dim_units = [ppm]
Dimensions = X
Site = ECA 600
Spectrometer = JNM-ECA600
Field_strength = 14.09636928[T] (600[M
X_acq_duration = 2.9097984[s]
X_domain = 1H
X_freq = 600.1723046[MHz]
X_offset = 5[ppm]
X_points = 32768
X_prescans = 1
X_resolution = 0.34366642[Hz]
X_sweep = 11.26126126[kHz]
Irr_domain = 1H
Irr_freq = 600.1723046[MHz]
Irr_offset = 5[ppm]
Tri_domain = 1H
Tri_freq = 600.1723046[MHz]
Tri_offset = 5[ppm]
Clipped = FALSE
Mod_return = 1
Scans = 8
Total_scans = 8
X_90_width = 12.7[us]
X_acq_time = 2.9097984[s]
X_angle = 45[deg]
X_atn = 1.2[dB]
X_pulse = 6.35[us]
Irr_mode = Off
Tri_mode = Off
Dante_presat = FALSE
Initial_wait = 1[s]
Recvr_gain = 38
Relaxation_delay = 2[s]
Repetition_time = 4.9097984[s]
Temp_get = 18.4[dC]



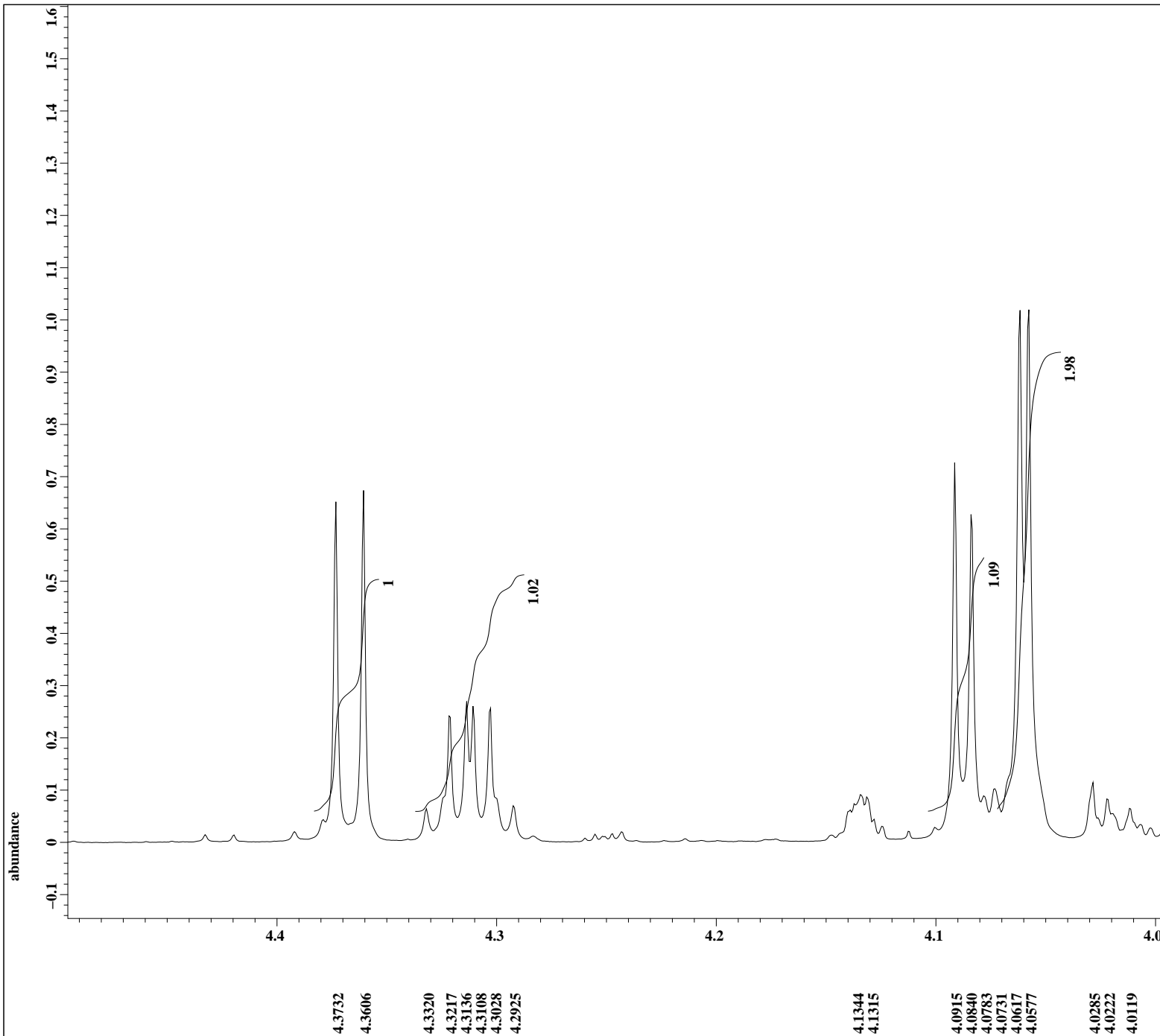
----- PROCESSING PARAMETERS -----
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sexp : 0.2[Hz] : 0.0[s]
trapezoid3 : 0[%] : 80[%] : 100[%]
zerofill : 1
fft : 1 : TRUE : TRUE
machinephase
ppm
reference : -0.18[ppm] : 0[ppm]
Derived from: MAA335-1H-1.jdf

Filename = MAA335-1H-6.jdf
Author = delta
Experiment = single_pulse.ex2
Sample_id = S#815234
Solvent = D2O
Creation_time = 16-DEC-2010 22:31:40
Revision_time = 17-DEC-2010 08:23:58
Current_time = 17-DEC-2010 08:33:32

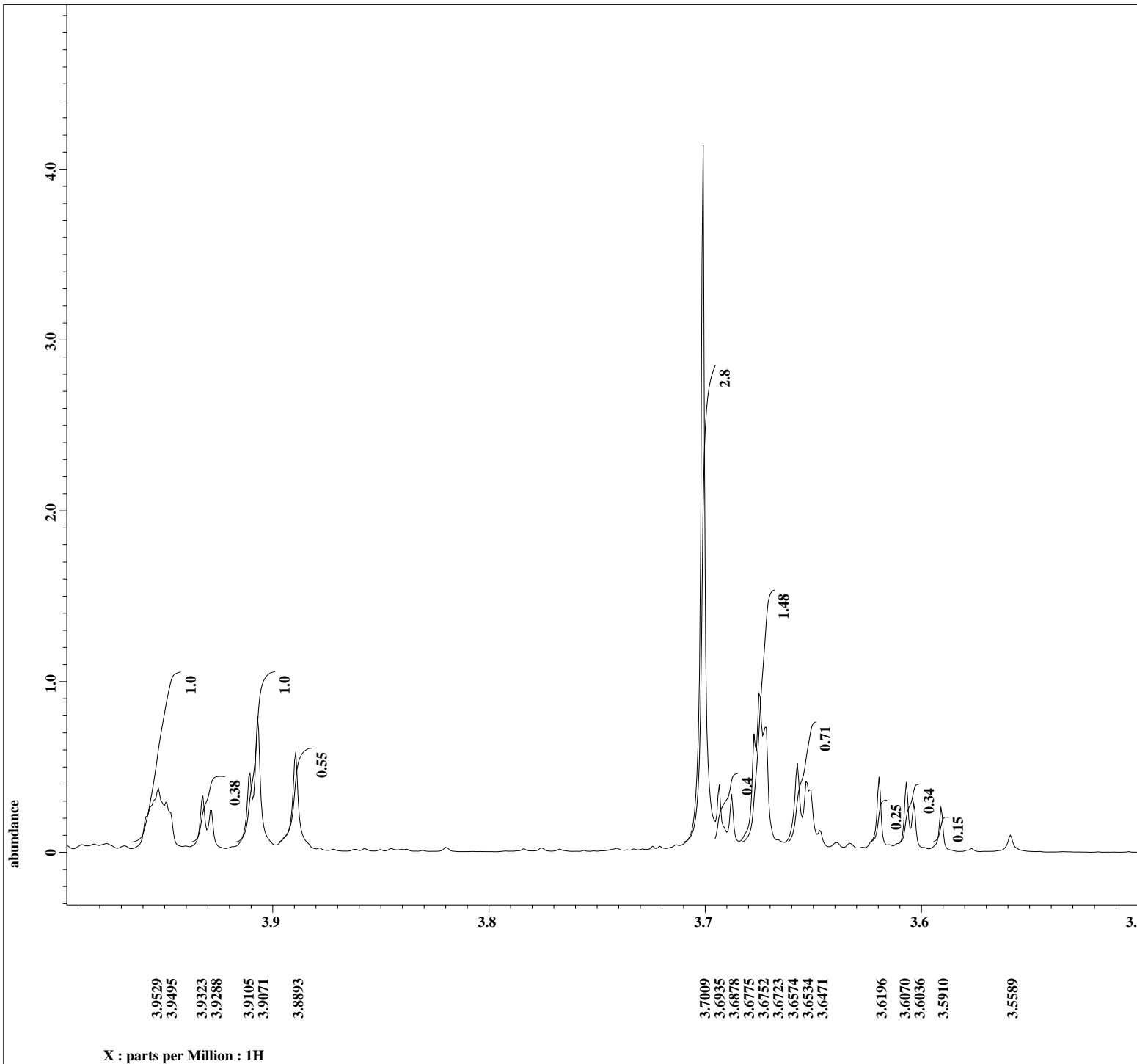
Comment = 20101216
Data_format = 1D COMPLEX
Dim_size = 26214
Dim_title = 1H
Dim_units = [ppm]
Dimensions = X
Site = ECA 600
Spectrometer = JNM-ECA600

Field_strength = 14.09636928[T] (600[M
X_acq_duration = 2.9097984[s]
X_domain = 1H
X_freq = 600.1723046[MHz]
X_offset = 5[ppm]
X_points = 32768
X_prescans = 1
X_resolution = 0.34366642[Hz]
X_sweep = 11.26126126[kHz]
Irr_domain = 1H
Irr_freq = 600.1723046[MHz]
Irr_offset = 5[ppm]
Tri_domain = 1H
Tri_freq = 600.1723046[MHz]
Tri_offset = 5[ppm]
Clipped = FALSE
Mod_return = 1
Scans = 8
Total_scans = 8

X_90_width = 12.7[us]
X_acq_time = 2.9097984[s]
X_angle = 45[deg]
X_atn = 1.2[dB]
X_pulse = 6.35[us]
Irr_mode = Off
Tri_mode = Off
Dante_presat = FALSE
Initial_wait = 1[s]
Recvr_gain = 38
Relaxation_delay = 2[s]
Repetition_time = 4.9097984[s]
Temp_get = 18.4[dc]



X : parts per Million : 1H



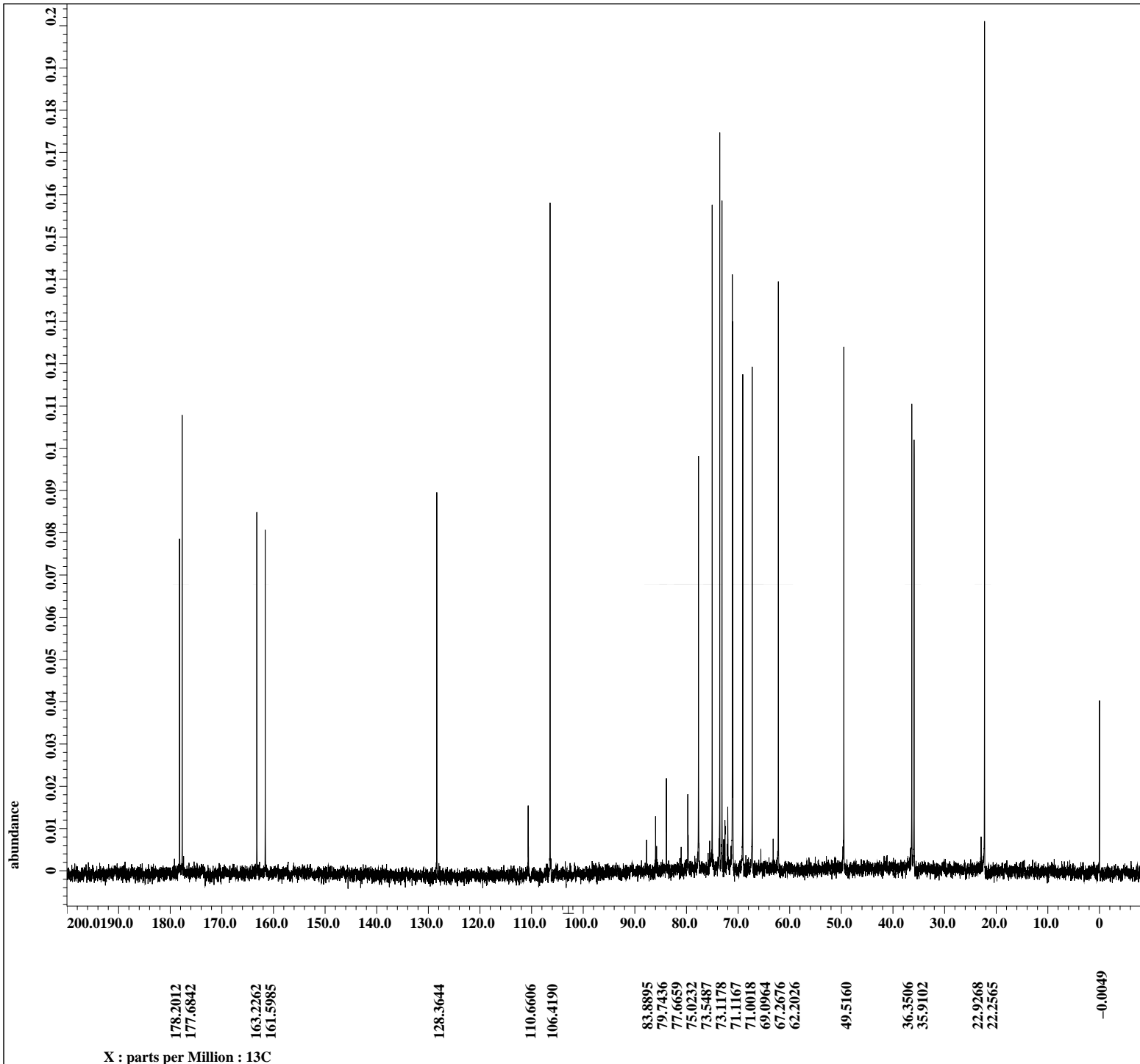
---- PROCESSING PARAMETERS ----
dc_balance : 0 : FALSE
sexp : 0.2[Hz] : 0.0[s]
trapezoid3 : 0[%] : 80[%] : 100[%]
zerofill : 1
fft : 1 : TRUE : TRUE
machinephase
ppm
reference : -0.18[ppm] : 0[ppm]
Derived from: MAA335-1H-1.jdf

Filename = MAA335-1H-6.jdf
Author = delta
Experiment = single_pulse.ex2
Sample_id = S#815234
Solvent = D2O
Creation_time = 16-DEC-2010 22:31:40
Revision_time = 17-DEC-2010 08:23:58
Current_time = 17-DEC-2010 08:34:01

Comment = 20101216
Data_format = 1D COMPLEX
Dim_size = 26214
Dim_title = 1H
Dim_units = [ppm]
Dimensions = X
Site = ECA 600
Spectrometer = JNM-ECA600

Field_strength = 14.09636928[T] (600[M
X_acq_duration = 2.9097984[s]
X_domain = 1H
X_freq = 600.1723046[MHz]
X_offset = 5[ppm]
X_points = 32768
X_prescans = 1
X_resolution = 0.34366642[Hz]
X_sweep = 11.26126126[kHz]
Irr_domain = 1H
Irr_freq = 600.1723046[MHz]
Irr_offset = 5[ppm]
Tri_domain = 1H
Tri_freq = 600.1723046[MHz]
Tri_offset = 5[ppm]
Clipped = FALSE
Mod_return = 1
Scans = 8
Total_scans = 8

X_90_width = 12.7[us]
X_acq_time = 2.9097984[s]
X_angle = 45[deg]
X_atn = 1.2[dB]
X_pulse = 6.35[us]
Irr_mode = Off
Tri_mode = Off
Dante_presat = FALSE
Initial_wait = 1[s]
Recvr_gain = 38
Relaxation_delay = 2[s]
Repetition_time = 4.9097984[s]
Temp_get = 18.4[dc]



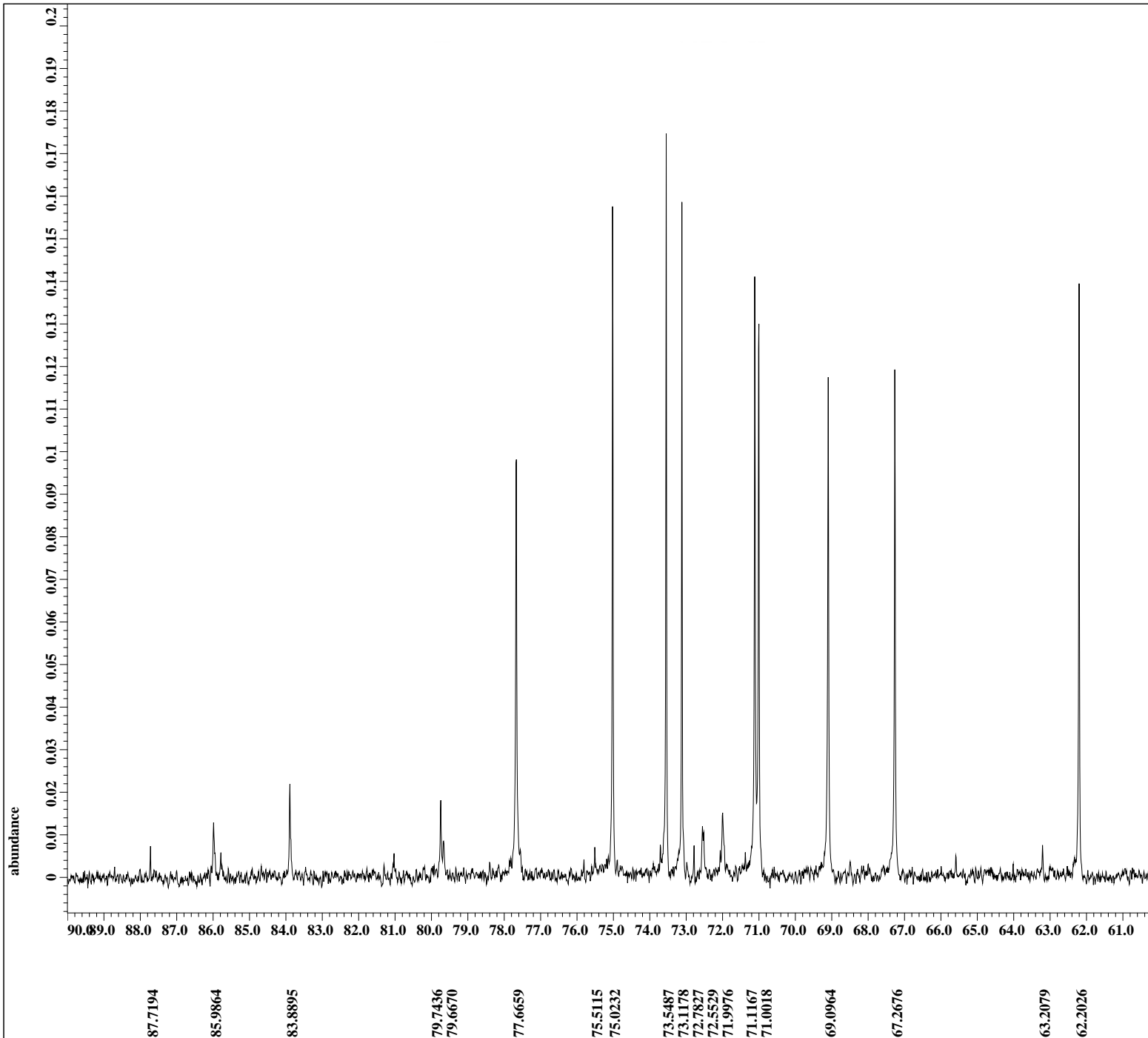
---- PROCESSING PARAMETERS ----
dc_balance : 0 : FALSE
sexp : 2.0[Hz] : 0.0[s]
trapezoid3 : 0[%] : 80[%] : 100[%]
zerofill : 1
fft : 1 : TRUE : TRUE
machinephase
ppm
reference : -2.876[ppm] : 0[ppm]
Derived from: MAA335-13C-1.jdf

Filename = MAA335-13C-5.jdf
Author = delta
Experiment = single_pulse_dec
Sample_id = S#815950
Solvent = D2O
Creation_time = 17-DEC-2010 04:43:40
Revision_time = 17-DEC-2010 08:15:32
Current_time = 17-DEC-2010 08:16:59

Comment = 20101216
Data_format = 1D COMPLEX
Dim_size = 26214
Dim_title = 13C
Dim_units = [ppm]
Dimensions = X
Site = ECA 600
Spectrometer = JNM-ECA600

Field_strength = 14.09636928[T] (600[M
X_acq_duration = 0.69206016[s]
X_domain = 13C
X_freq = 150.91343039[MHz]
X_offset = 100[ppm]
X_points = 32768
X_prescans = 4
X_resolution = 1.44496109[Hz]
X_sweep = 47.34848485[kHz]
Irr_domain = 1H
Irr_freq = 600.1723046[MHz]
Irr_offset = 5[ppm]
Clipped = FALSE
Mod_return = 1
Scans = 10000
Total_scans = 10000

X_90_width = 8.2[us]
X_acq_time = 0.69206016[s]
X_angle = 30[deg]
X_atn = 6.9[dB]
X_pulse = 2.73333333[us]
Irr_atn_dec = 16.74[dB]
Irr_atn_noe = 16.74[dB]
Irr_noise = WALTZ
Decoupling = TRUE
Initial_wait = 1[s]
Noe = TRUE
Noe_time = 1.2[s]
Recvr_gain = 58
Relaxation_delay = 1.2[s]
Repetition_time = 1.89206016[s]
Temp_get = 19.2[dc]



---- PROCESSING PARAMETERS ----
dc_balance : 0 : FALSE
sexp : 2.0[Hz] : 0.0[s]
trapezoid3 : 0[%] : 80[%] : 100[%]
zerofill : 1
fft : 1 : TRUE : TRUE
machinephase
ppm
reference : -2.876[ppm] : 0[ppm]
Derived from: MAA335-13C-1.jdf

Filename = MAA335-13C-5.jdf
Author = delta
Experiment = single_pulse_dec
Sample_id = S#815950
Solvent = D2O
Creation_time = 17-DEC-2010 04:43:40
Revision_time = 17-DEC-2010 08:15:32
Current_time = 17-DEC-2010 08:18:26
Comment = 20101216
Data_format = 1D COMPLEX
Dim_size = 26214
Dim_title = 13C
Dim_units = [ppm]
Dimensions = X
Site = ECA 600
Spectrometer = JNM-ECA600
Field_strength = 14.09636928[T] (600[M
X_acq_duration = 0.69206016[s]
X_domain = 13C
X_freq = 150.91343039[MHz]
X_offset = 100[ppm]
X_points = 32768
X_prescans = 4
X_resolution = 1.44496109[Hz]
X_sweep = 47.34848485[kHz]
Irr_domain = 1H
Irr_freq = 600.1723046[MHz]
Irr_offset = 5[ppm]
Clipped = FALSE
Mod_return = 1
Scans = 10000
Total_scans = 10000
X_90_width = 8.2[us]
X_acq_time = 0.69206016[s]
X_angle = 30[deg]
X_atn = 6.9[dB]
X_pulse = 2.73333333[us]
Irr_atn_dec = 16.74[dB]
Irr_atn_noe = 16.74[dB]
Irr_noise = WALTZ
Decoupling = TRUE
Initial_wait = 1[s]
Noe = TRUE
Noe_time = 1.2[s]
Recvr_gain = 58
Relaxation_delay = 1.2[s]
Repetition_time = 1.89206016[s]
Temp_get = 19.2[dc]

X : parts per Million : 13C

