

Article

# ***N'*-(4-Methoxybenzylidene)-5-methyl-1-phenyl-1*H*-1,2,3-triazole-4-carbohydrazide**

**Mohammad Hayal Alotaibi <sup>1</sup>, Hanan A. Mohamed <sup>2,3</sup>, Bakr F. Abdel-Wahab <sup>2,3</sup>,  
Amany S. Hegazy <sup>4</sup>, Benson M. Kariuki <sup>4,\*</sup> and Gamal A. El-Hiti <sup>5,\*</sup>**

<sup>1</sup> National Center for Petrochemicals Technology, King Abdulaziz City for Science and Technology, P.O. Box 6086, Riyadh 11442, Saudi Arabia; mhhalaotaibi@kacst.edu.sa (M.H.A.)

<sup>2</sup> Department of Chemistry, College of Science and Humanities, Shaqra University, Duwadimi, Saudi Arabia; haahmo@su.edu.sa (H.A.M.); balshobia@su.edu.sa (B.F.A.-W.)

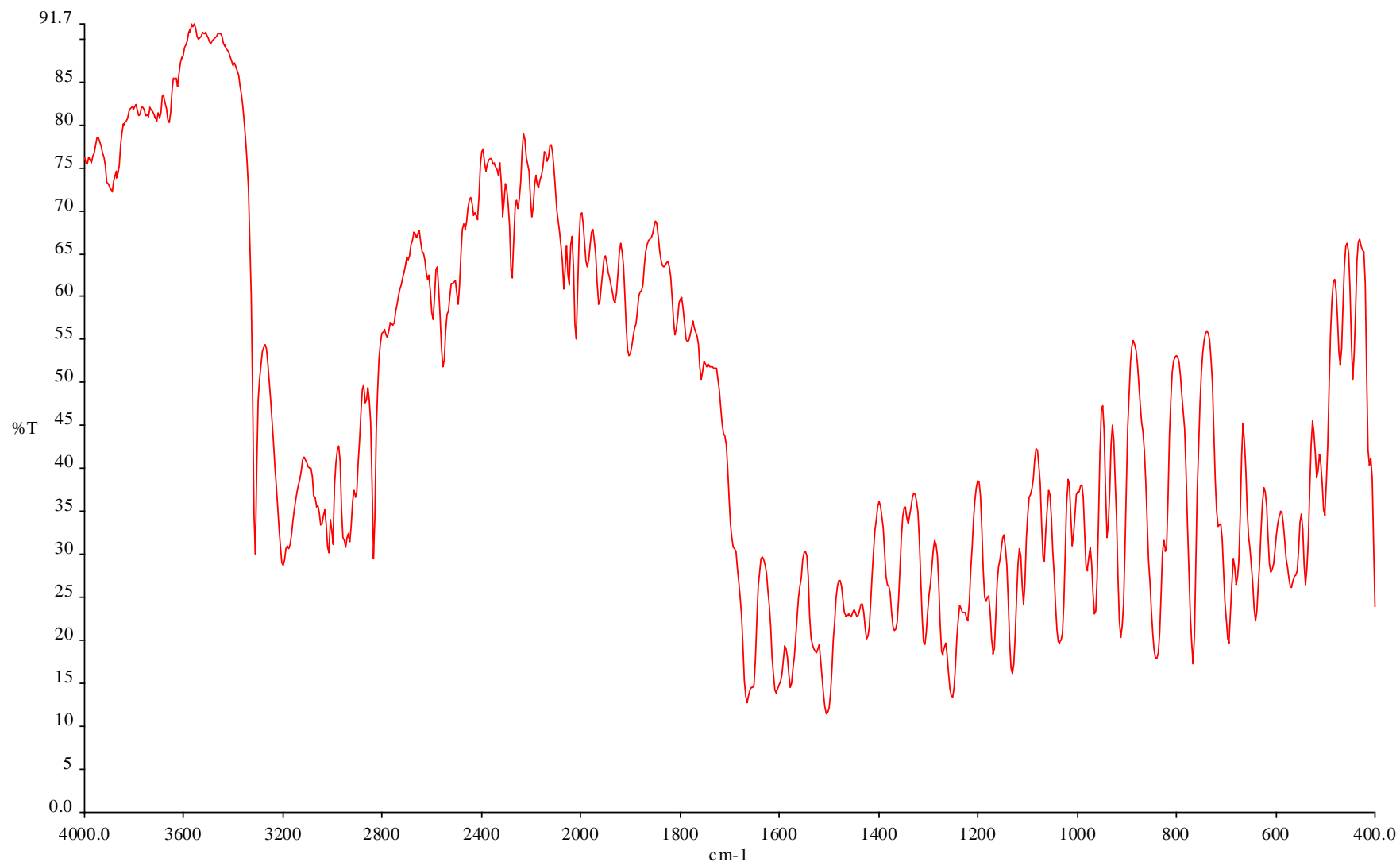
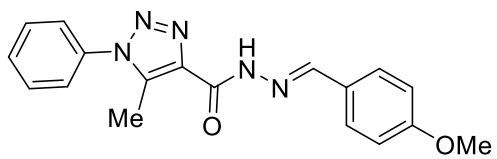
<sup>3</sup> Applied Organic Chemistry Department, National Research Centre, Dokki, Giza, Egypt

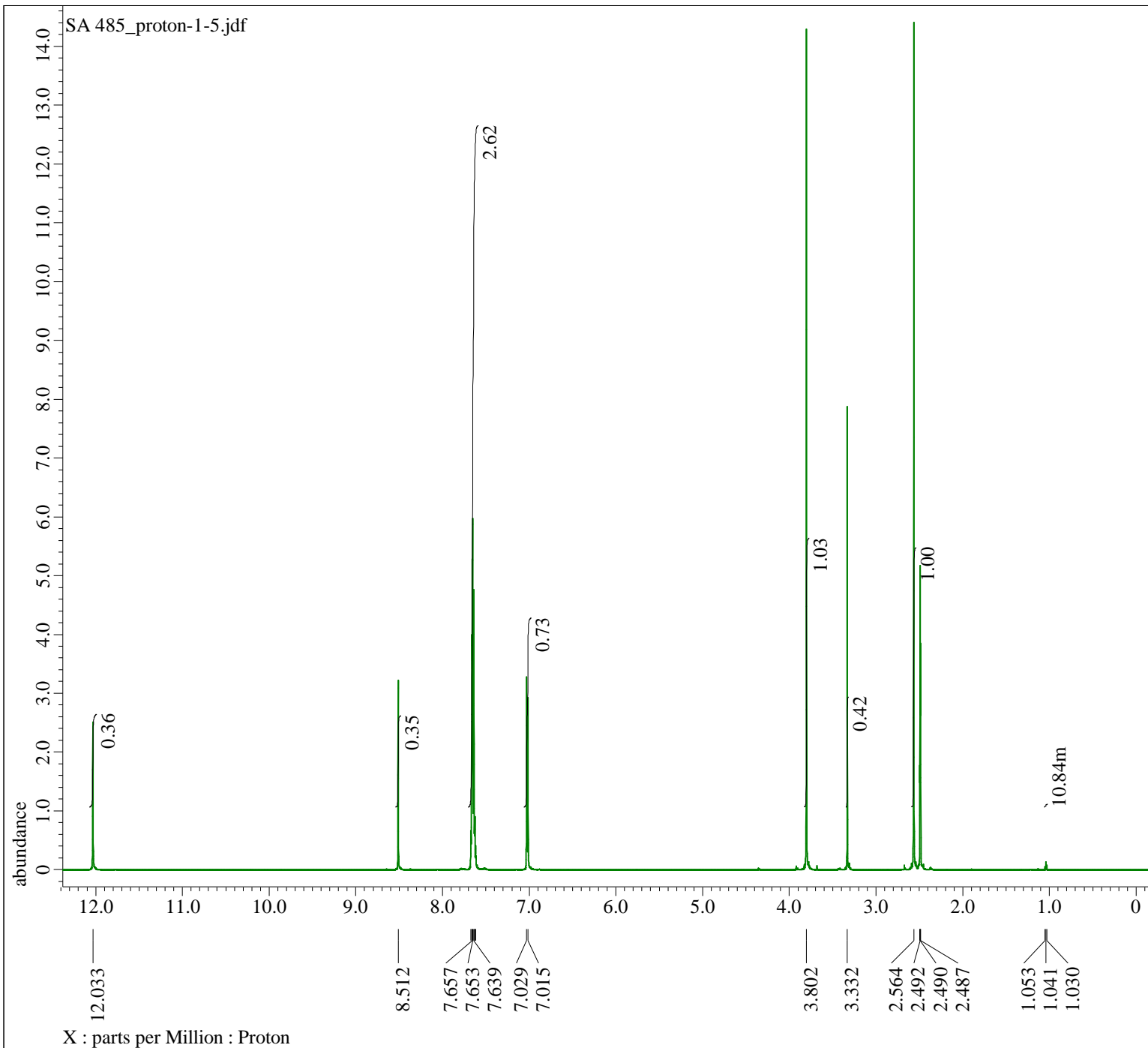
<sup>4</sup> School of Chemistry, Cardiff University, Main Building, Park Place, Cardiff CF10 3AT, UK; amanyhegazy@yahoo.co.uk (A.S.H.)

<sup>5</sup> Department of Optometry, College of Applied Medical Sciences, King Saud University, P.O. Box 10219, Riyadh 11433, Saudi Arabia

\* Correspondence: kariukib@cardiff.ac.uk (B.M.K.); gelhiti@ksu.edu.sa (G.A.E.-H.); Tel.: +966-11469-3778 (G.A.E.-H.); Fax: +966-11469-3536 (G.A.E.-H.)

## **Supplementary Materials**





----- PROCESSING PARAMETERS -----  
dc\_balance( 0, FALSE )  
sexp( 0.2[Hz], 0.0[s] )  
trapezoid( 0[%], 0[%], 80[%], 100[%] )  
zerofill( 1 )  
fft( 1, TRUE, TRUE )  
machinephase  
ppm

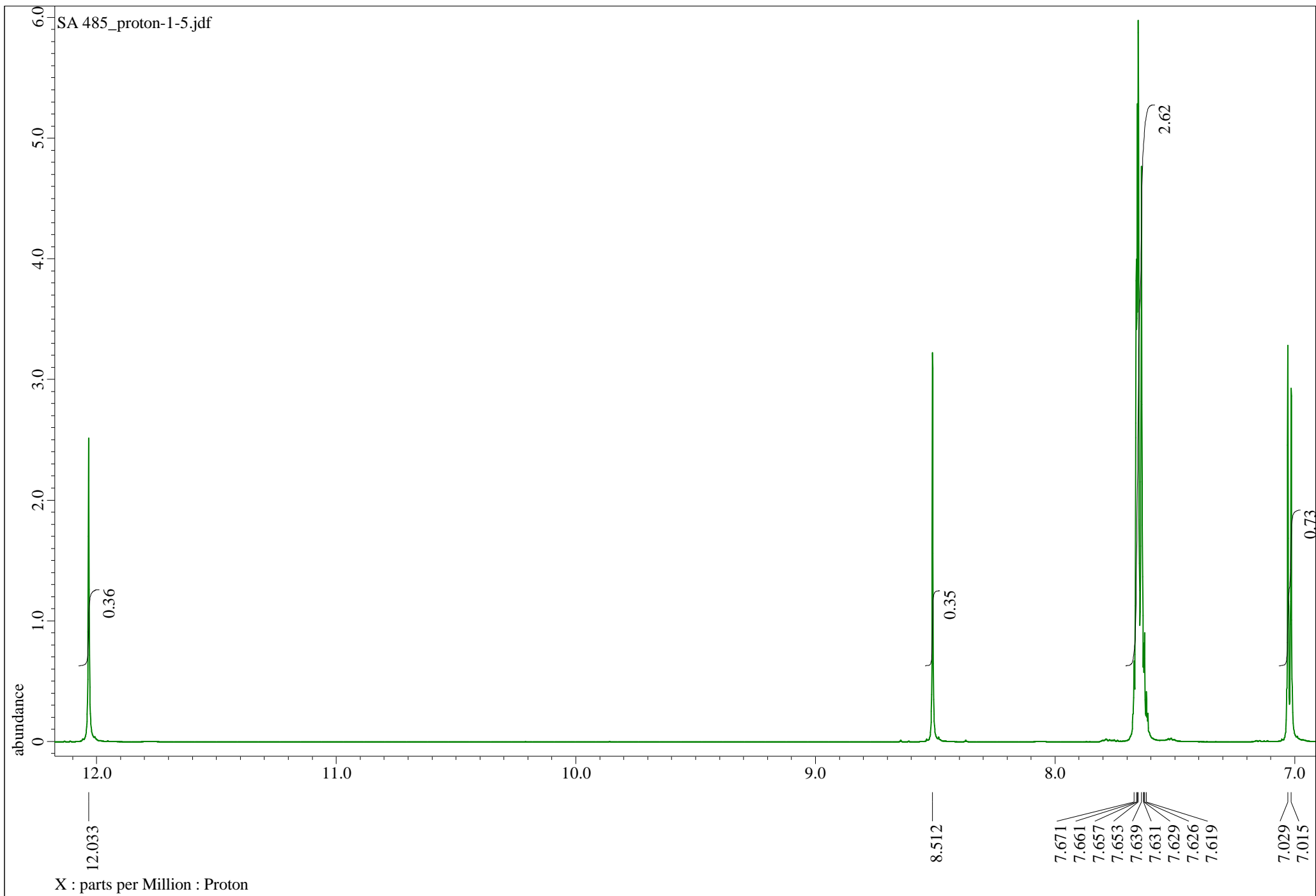
Derived from: SA 485\_proton-1-1.jdf

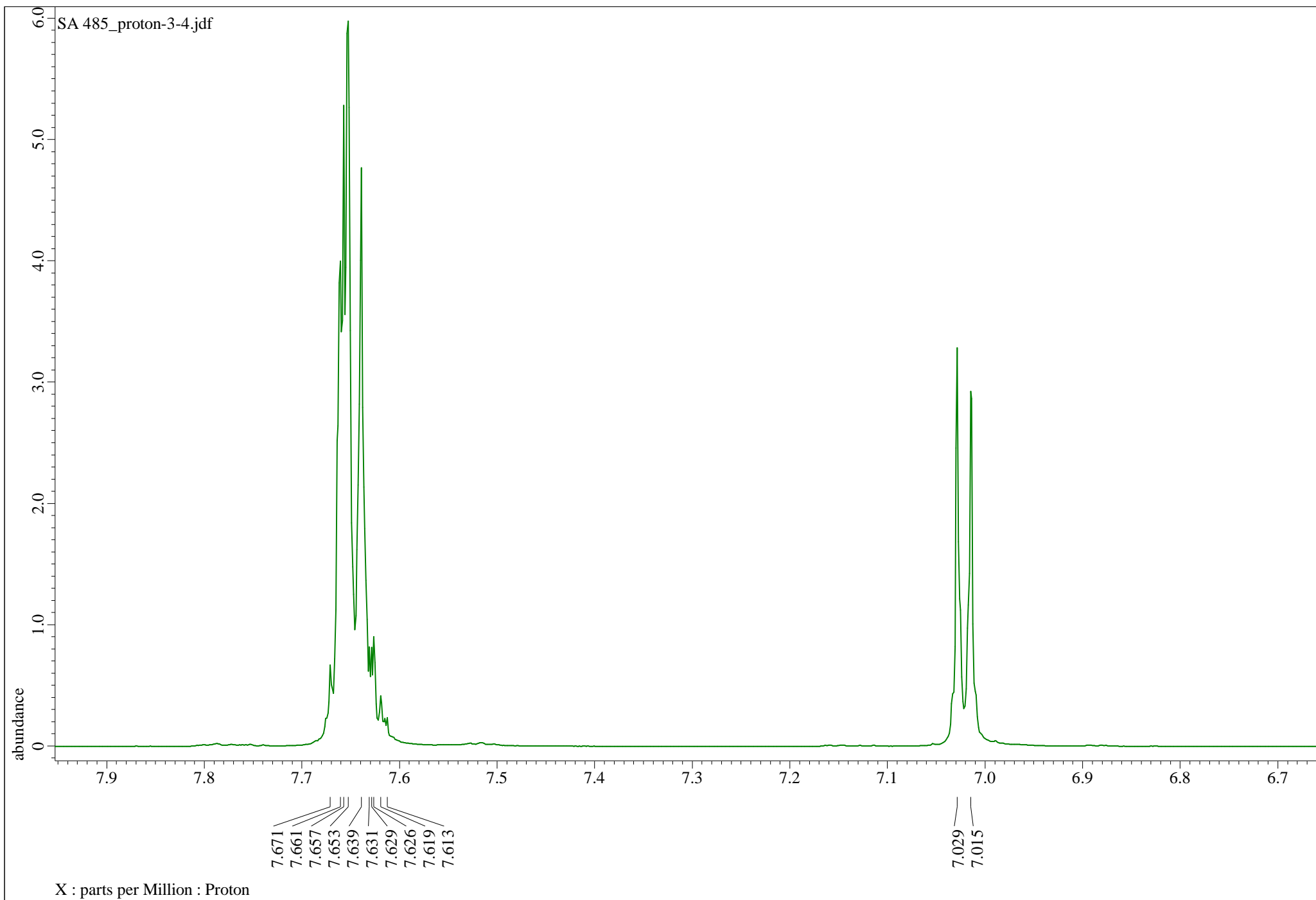
Filename = SA 485\_proton-1-5.jdf  
Author = delta  
Experiment = proton.jpg  
Sample\_Id = SA 485  
Solvent = DMSO-D6  
Creation\_Time = 4-OCT-2018 11:37:21  
Revision\_Time = 7-OCT-2018 06:56:29  
Current\_Time = 8-OCT-2018 10:54:46

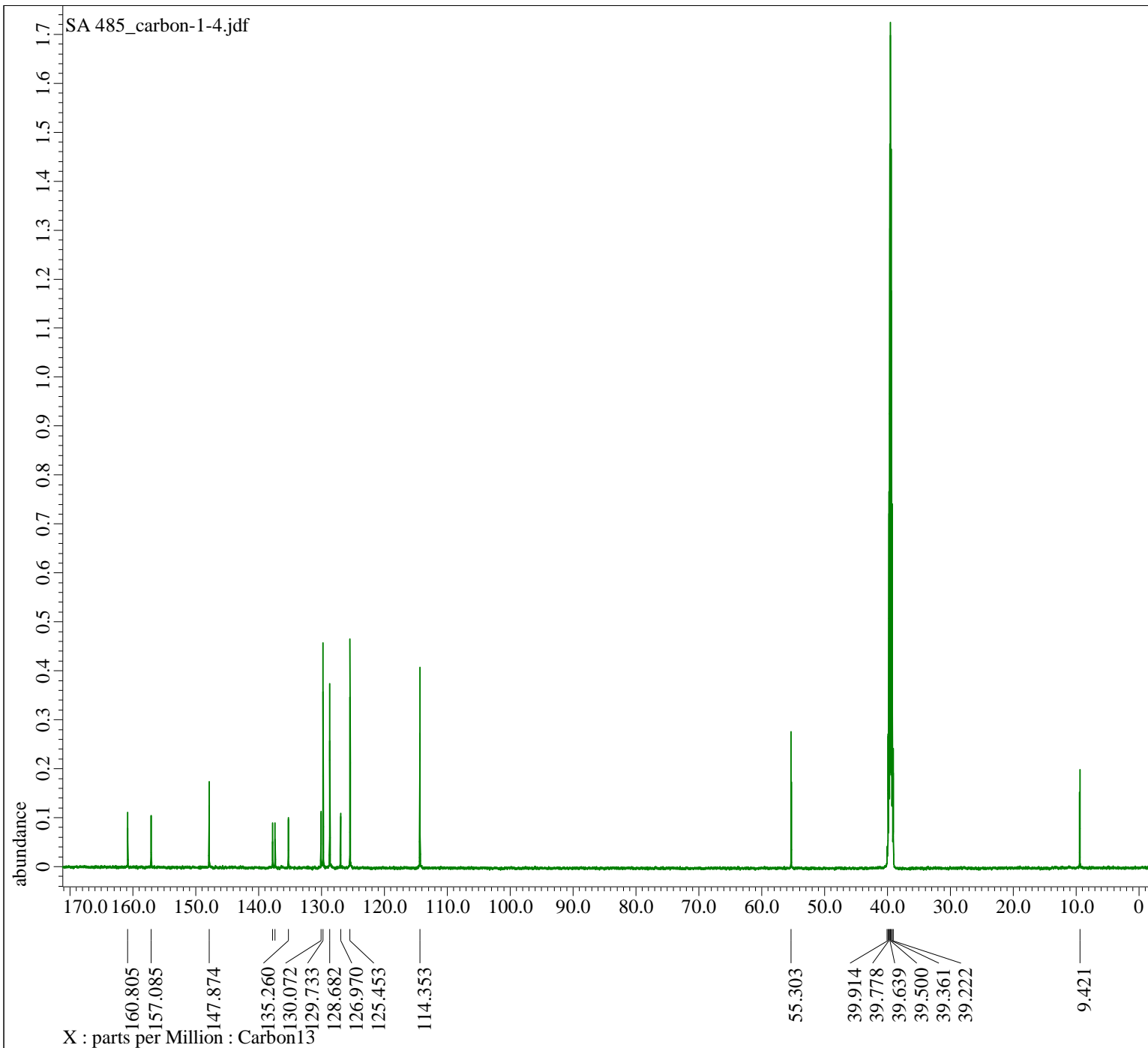
Comment = single\_pulse  
Data\_Format = 1D COMPLEX  
Dim\_Size = 13107  
Dim\_Title = Proton  
Dim\_Units = [ppm]  
Dimensions = X  
Site = JNM-ECA600II  
Spectrometer = DELTA2\_NMR

Field\_Strength = 14.09636928[T] (600[MHz])  
X\_Acq\_Duration = 1.4548992[s]  
X\_Domain = 1H  
X\_Freq = 600.1723046[MHz]  
X\_Offset = 5[ppm]  
X\_Points = 16384  
X\_Prescans = 1  
X\_Resolution = 0.68733284[Hz]  
X\_Sweep = 11.26126126[kHz]  
X\_Sweep\_Clipped = 9.00900901[kHz]  
Irr\_Domain = Proton  
Irr\_Freq = 600.1723046[MHz]  
Irr\_Offset = 5[ppm]  
Tri\_Domain = Proton  
Tri\_Freq = 600.1723046[MHz]  
Tri\_Offset = 5[ppm]  
Clipped = FALSE  
Scans = 32  
Total\_Scans = 32

Relaxation\_Delay = 10[s]  
Recvr\_Gain = 36  
Temp\_Get = 19.6[dc]  
X\_90\_Width = 6.8[us]  
X\_Acq\_Time = 1.4548992[s]  
X\_Angle = 90[deg]  
X\_Atn = 5.2[dB]  
X\_Pulse = 6.8[us]  
Irr\_Mode = Off  
Tri\_Mode = Off







----- PROCESSING PARAMETERS -----  
dc\_balance( 0, FALSE )  
sexp( 3.0[Hz], 0.0[s] )  
trapezoid( 0[%], 0[%], 80[%], 100[%] )  
zerofill( 4 )  
fft( 1, TRUE, TRUE )  
machinephase  
ppm

Derived from: SA 485\_carbon-1-1.jdf

Filename = SA 485\_carbon-1-4.jdf  
Author = delta  
Experiment = carbon.jxp  
Sample\_Id = SA 485  
Solvent = DMSO-D6  
Creation\_Time = 4-OCT-2018 11:46:34  
Revision\_Time = 7-OCT-2018 06:53:11  
Current\_Time = 8-OCT-2018 10:57:06

Comment = single pulse decoupled gat  
Data\_Format = 1D COMPLEX  
Dim\_Size = 104858  
Dim\_Title = Carbon13  
Dim\_Units = [ppm]  
Dimensions = X  
Site = JNM-ECA600II  
Spectrometer = DELTA2\_NMR

Field\_Strength = 14.09636928[T] (600[MHz])  
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]  
X\_Sweep\_Clipped = 37.87878788[kHz]  
Irr\_Domain = Proton  
Irr\_Freq = 600.1723046[MHz]  
Irr\_Offset = 5[ppm]  
Clipped = TRUE  
Scans = 3072  
Total\_Scans = 3072

Relaxation\_Delay = 3[s]  
Recvr\_Gain = 52  
Temp\_Get = 20.5[dC]  
X\_90\_Width = 10[us]  
X\_Acq\_Time = 0.69206016[s]  
X\_Angle = 90[deg]  
X\_Atn = 7[dB]  
X\_Pulse = 10[us]  
Irr\_Atn\_Dec = 26.17[dB]  
Irr\_Atn\_NoE = 26.17[dB]  
Irr\_Noise = WALTZ  
Irr\_Pwidth = 76[us]  
Decoupling = TRUE

SA 485\_carbon-1-4.jdf

