**Supporting Information**

**Cybotactic Nematic phases with wide ranges in photoresponsive polycatenars**

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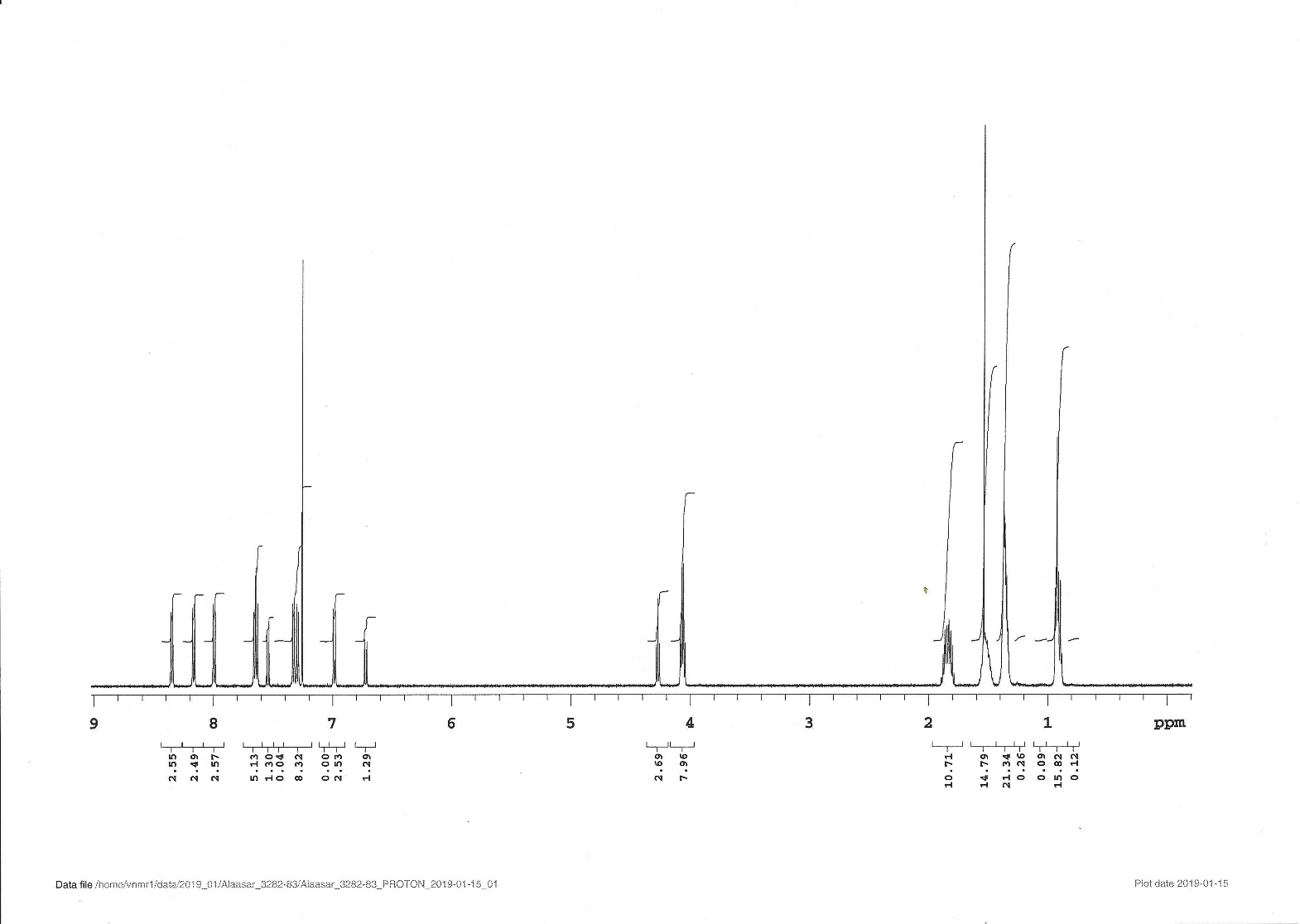
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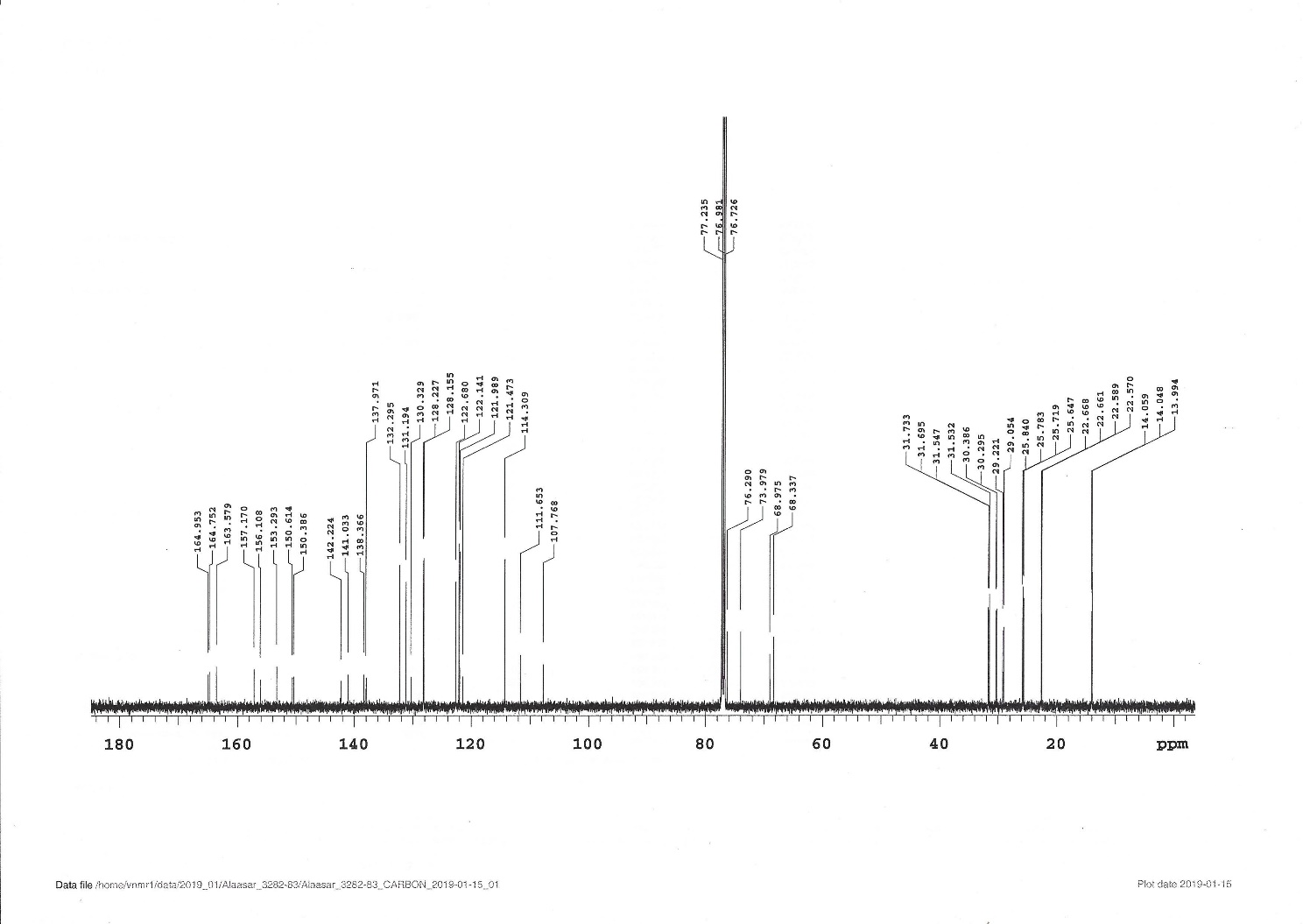
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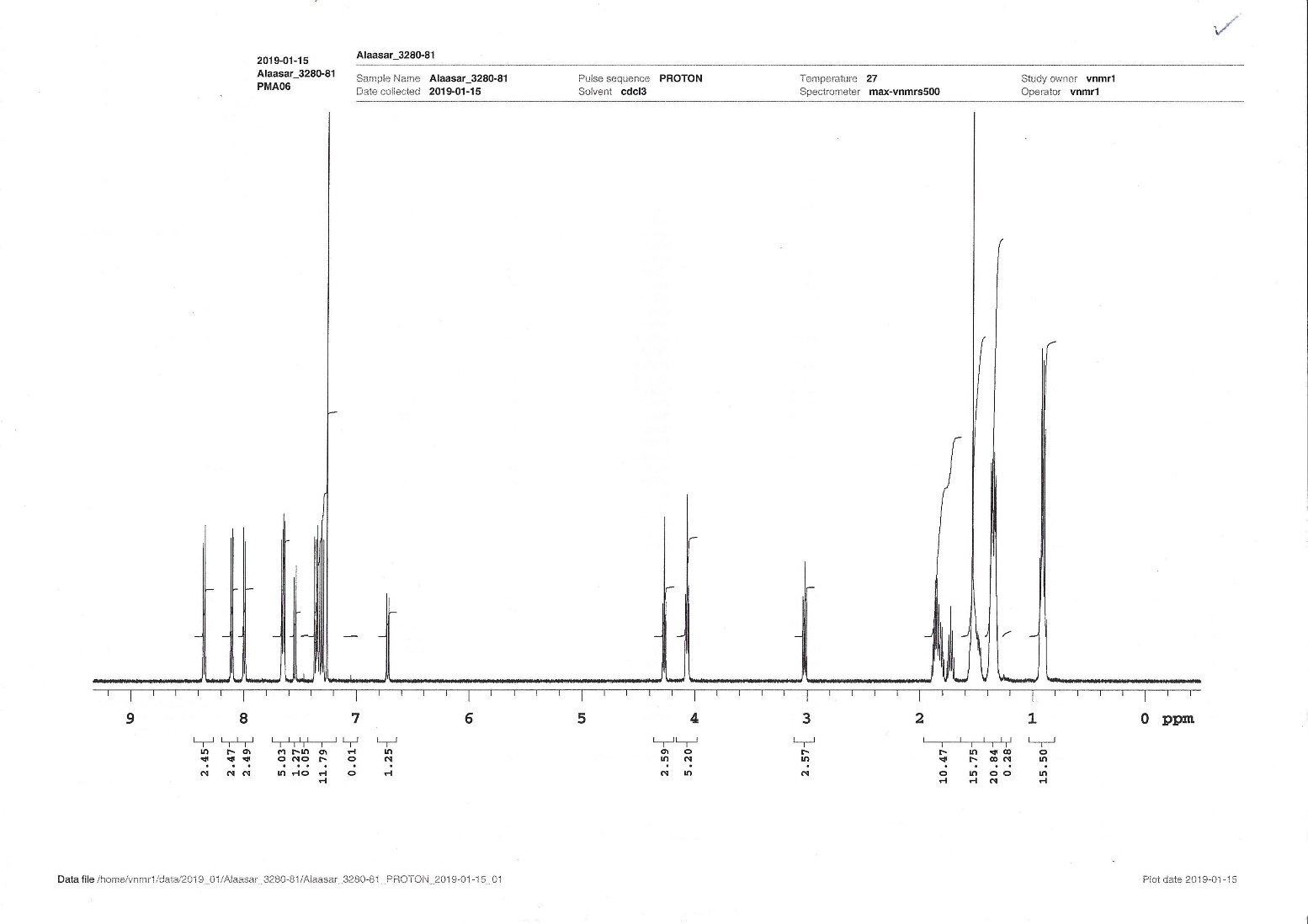
**1. NMR Spectra of compounds A-E**



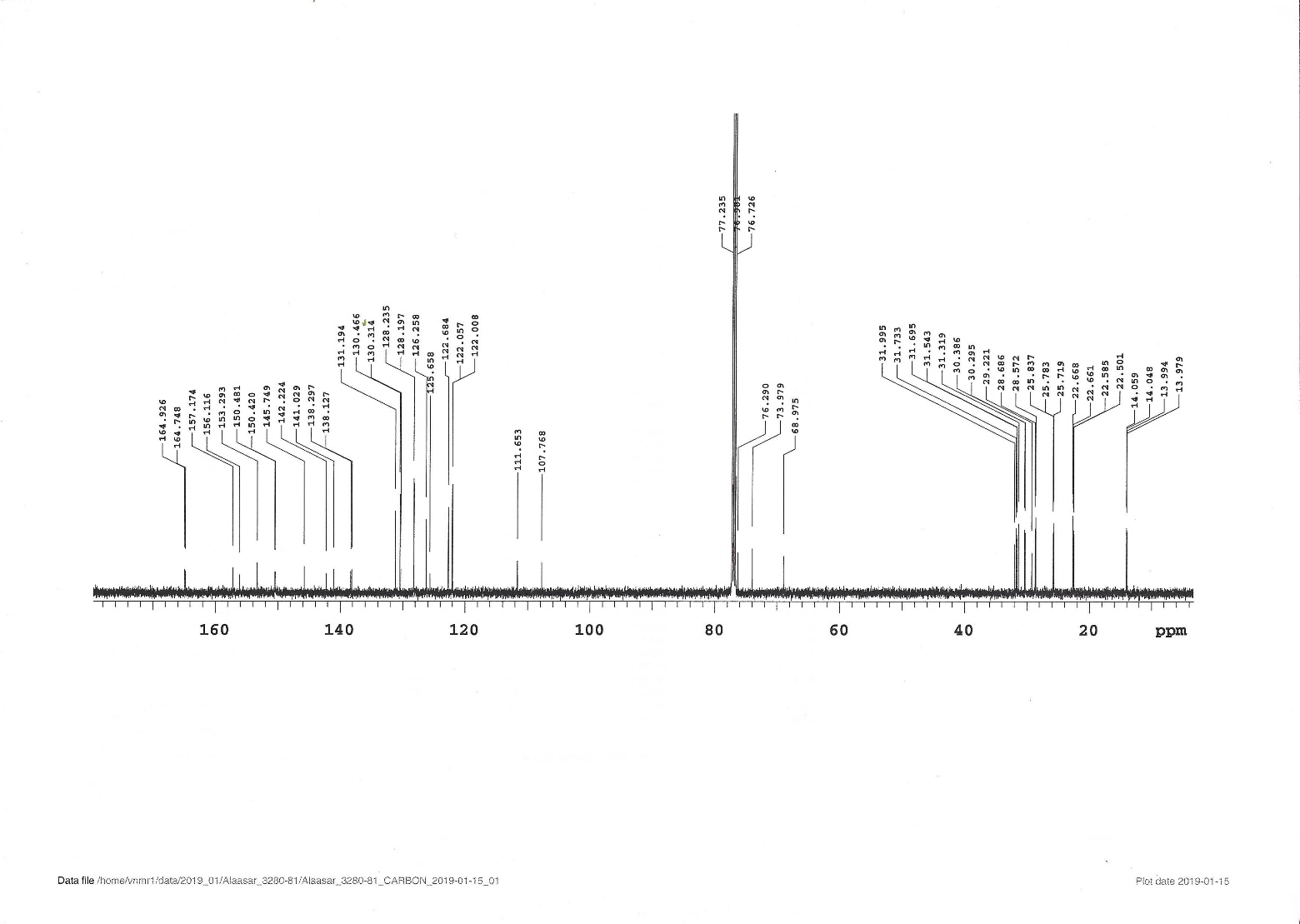
**Figure S1.** 1H-NMR Spectrum of **A** in CDCl3.



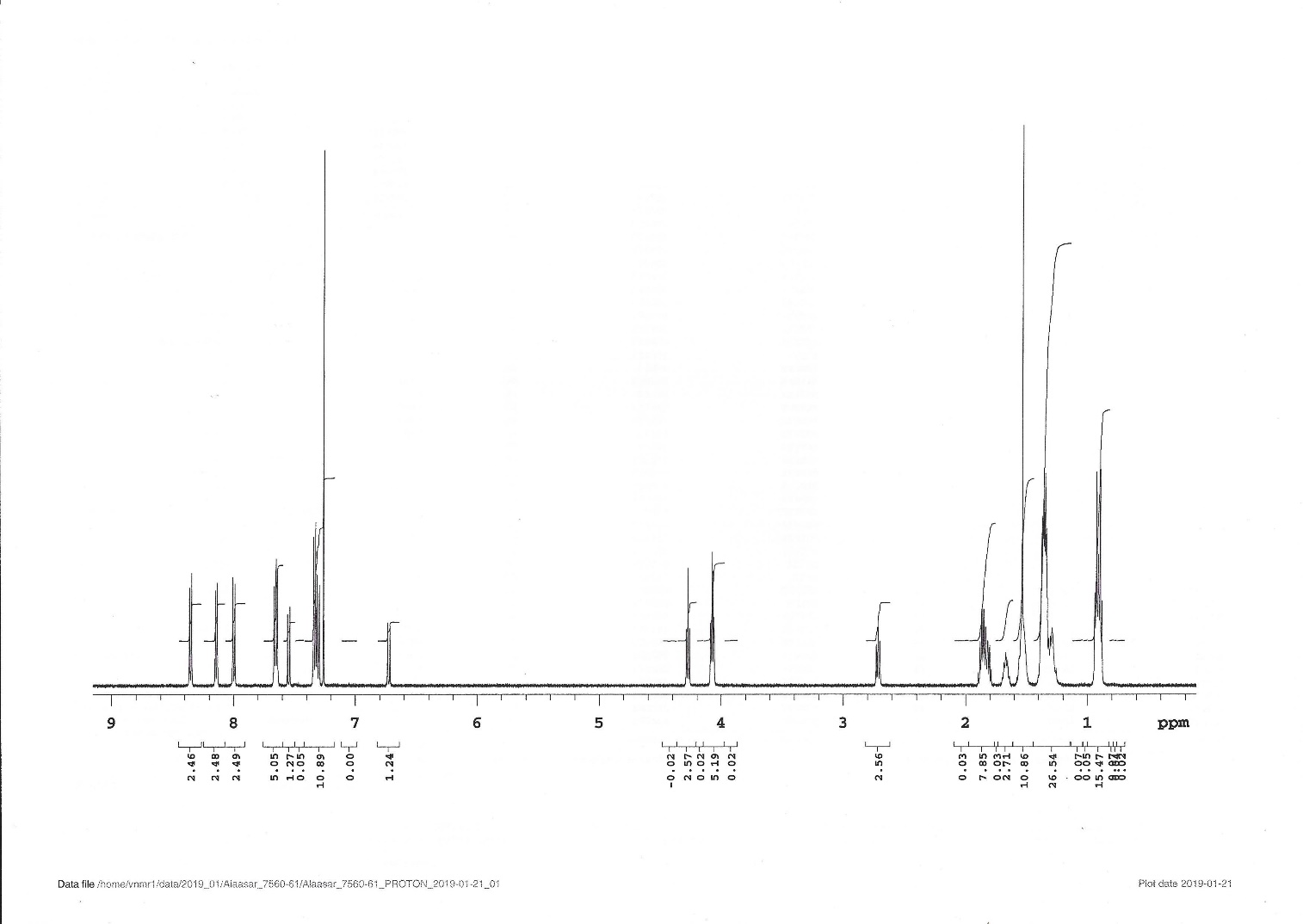
**Figure S2.** 13C-NMR Spectrum of **A** in CDCl3.



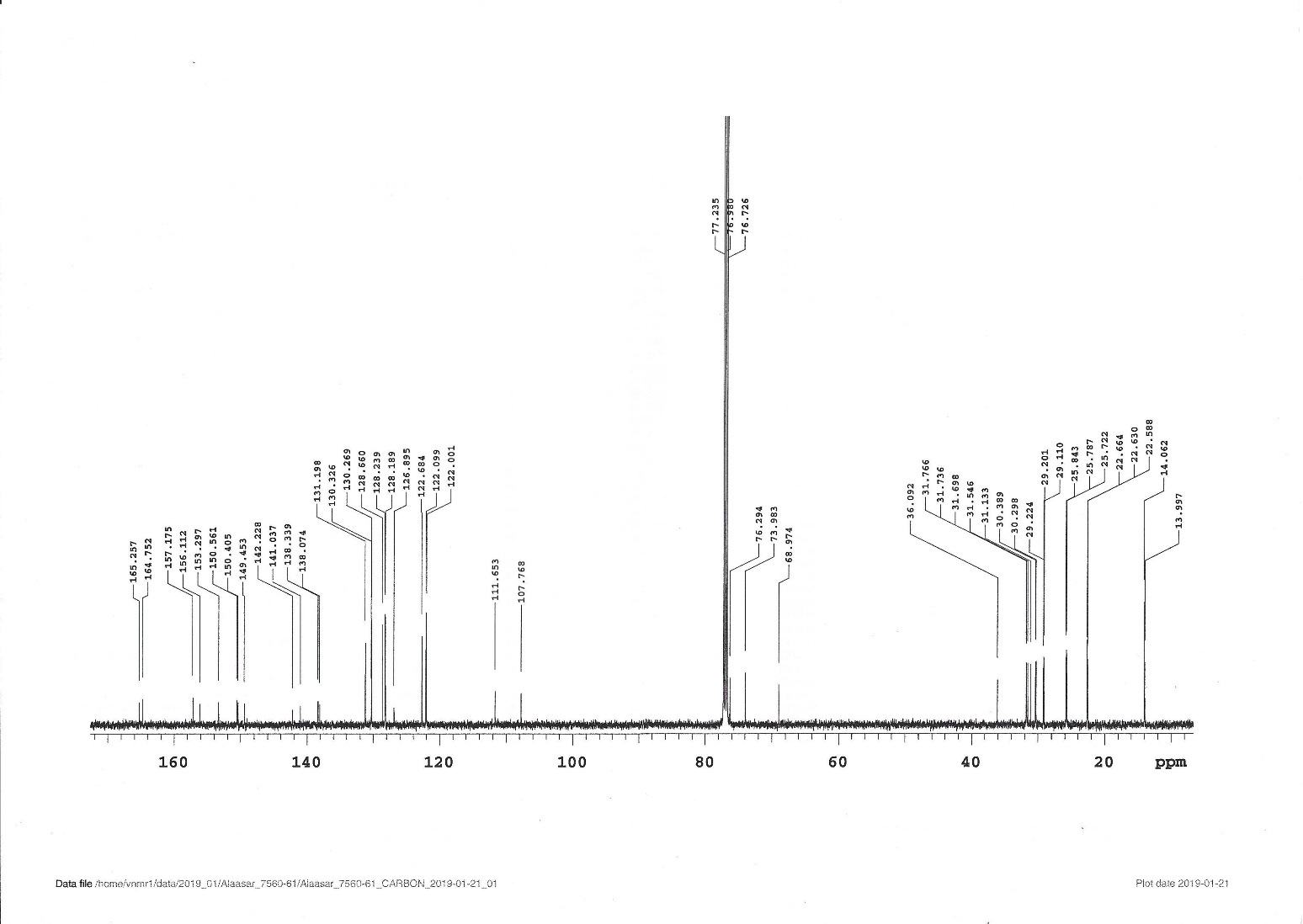
**Figure S3.** 1H-NMR Spectrum of **B** in CDCl3.



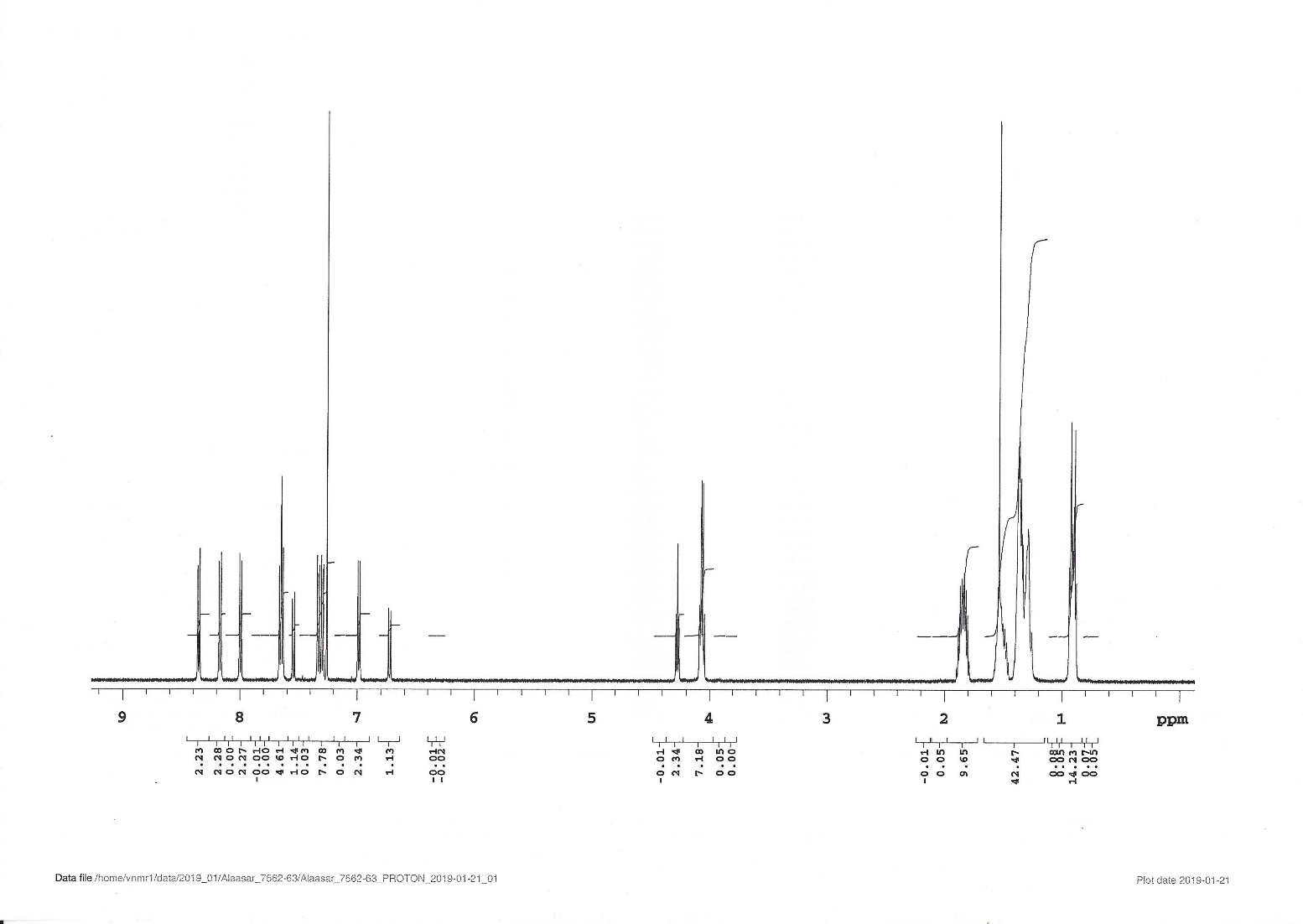
**Figure S4.** 13C-NMR Spectrum of **B** in CDCl3.



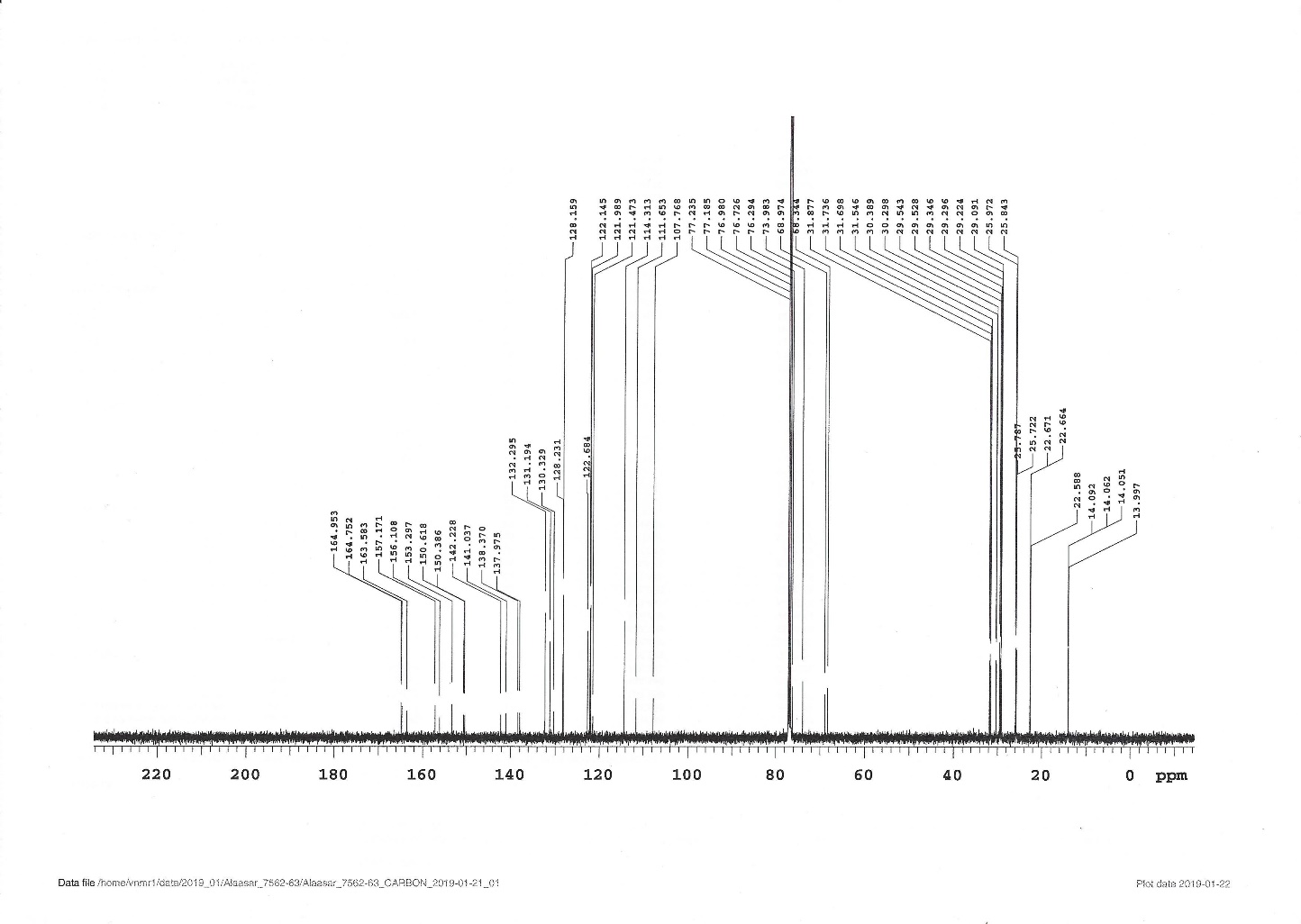
**Figure S5.** 1H-NMR Spectrum of **C** in CDCl3.



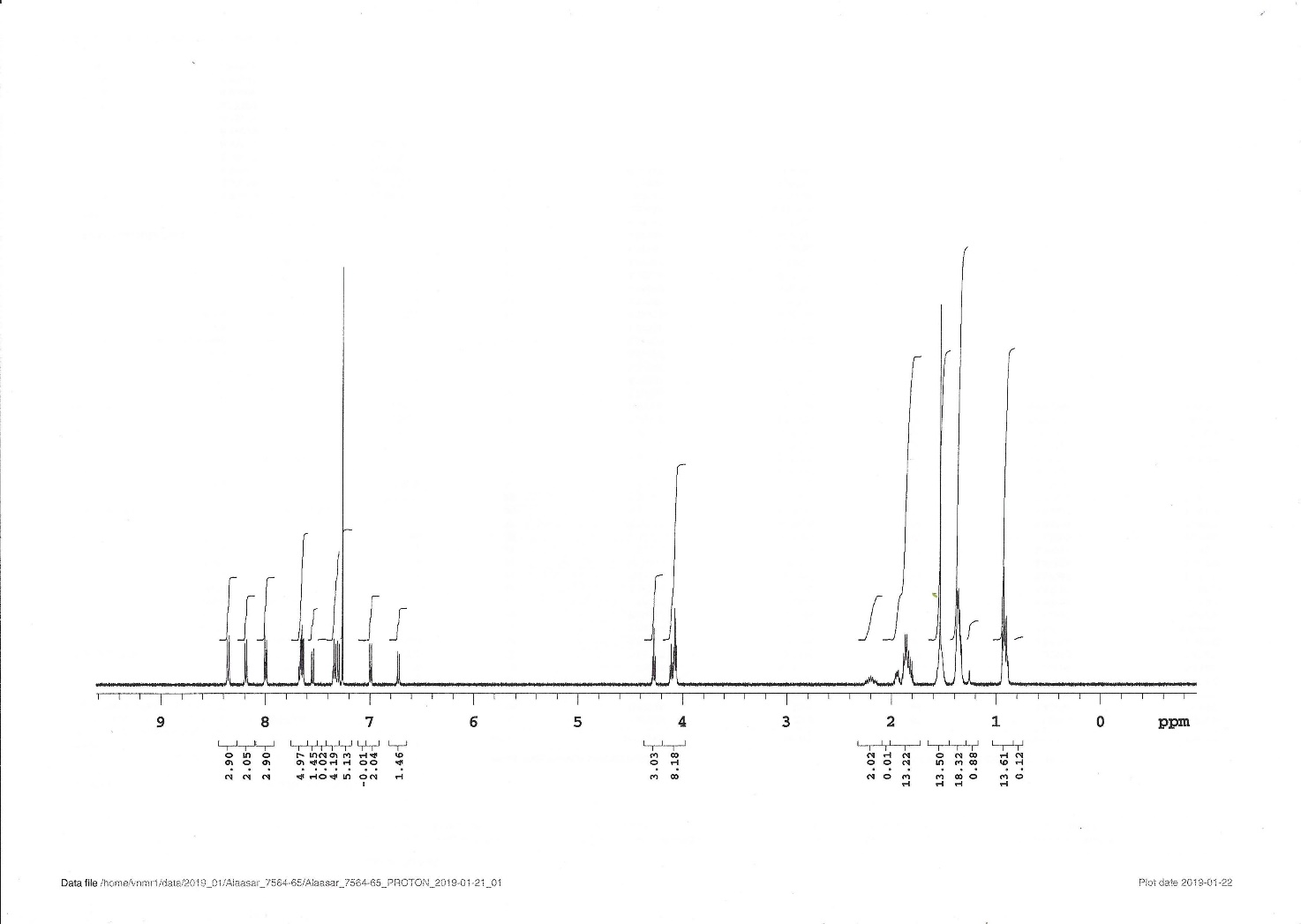
**Figure S6.** 13C-NMR Spectrum of **C** in CDCl3.



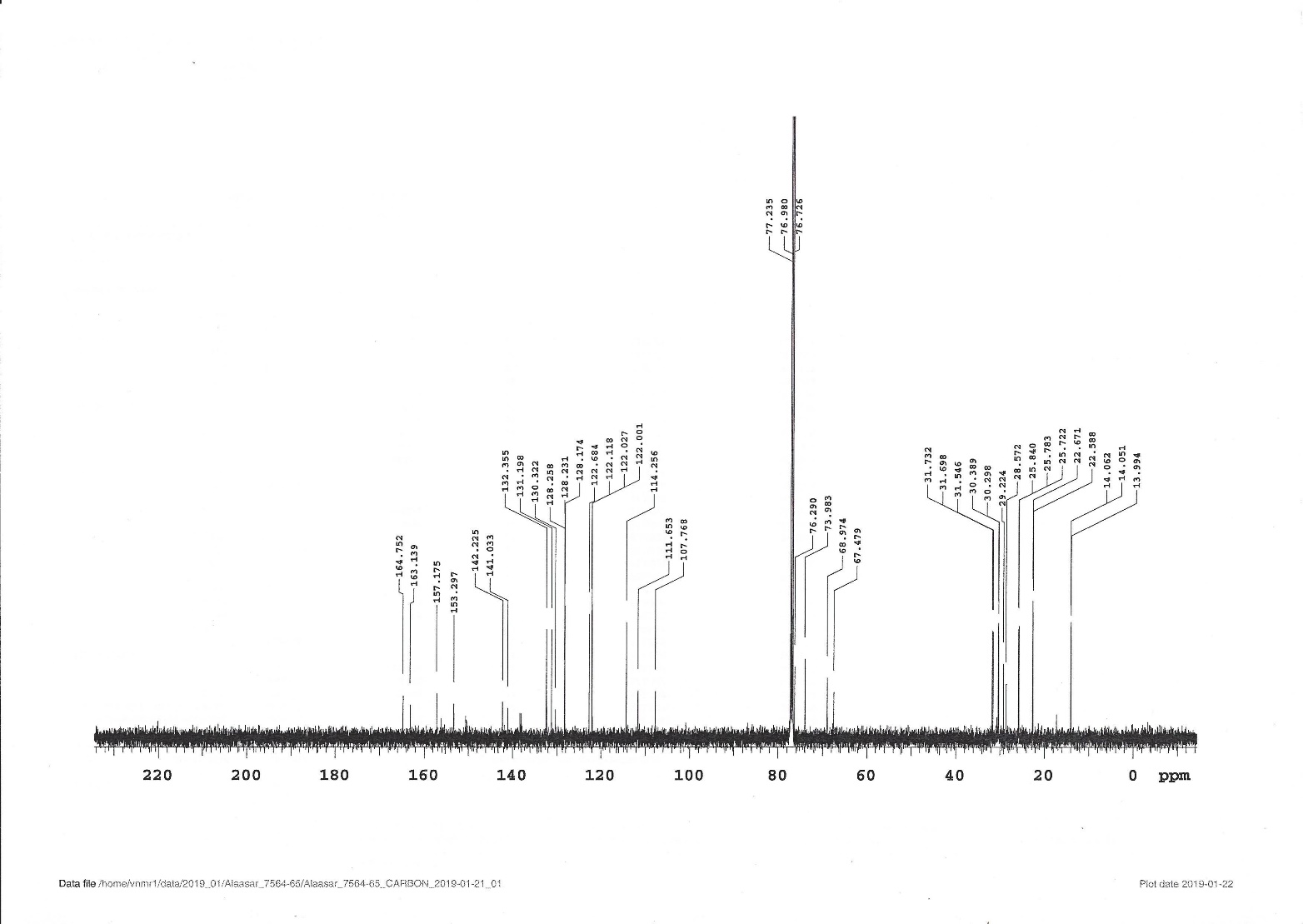
**Figure S7.** 1H-NMR Spectrum of **D** in CDCl3.



**Figure S8.** 13C-NMR Spectrum of **D** in CDCl3.



**Figure S9.** 1H-NMR Spectrum of **E** in CDCl3.



**Figure S10.** 13C-NMR Spectrum of **E** in CDCl3.

**2. Additional DSC curves**



**Figure S11.** DSC Heating and cooling curves of compound **B** (10 K min.-1 heating and cooling rates).



**Figure S12.** DSC Heating and cooling curves of compound **C** (10 K min.-1 heating and cooling rates).



**Figure S13.** DSC Heating and cooling curves of compound **E** (10 K min.-1 heating and cooling rates).