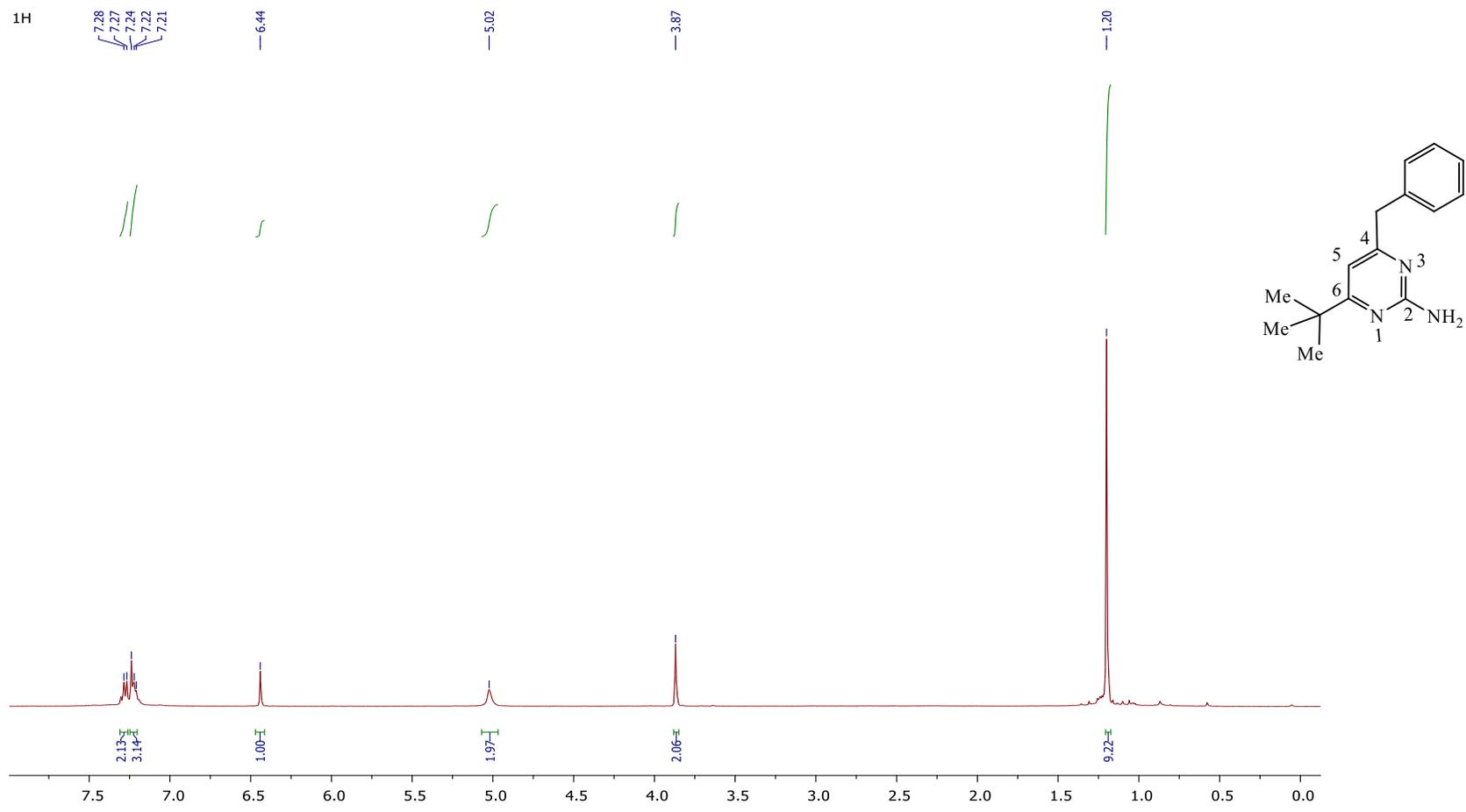


Electronic supplementary materials *Mendeleev Commun.*, 2017, **27**, 283–284

**2-Aminopyrimidines in just two steps from ketones, acetylenes and guanidine
via β,γ -enones**

Elena Yu. Schmidt, Inna V. Tatarinova, Elena V. Ivanova and Boris A. Trofimov



¹H NMR spectrum of **2a** (400.1 MHz, CDCl₃)

¹³C_

— 179.62

— 170.11

— 162.97

— 138.46

— 129.31

— 128.73

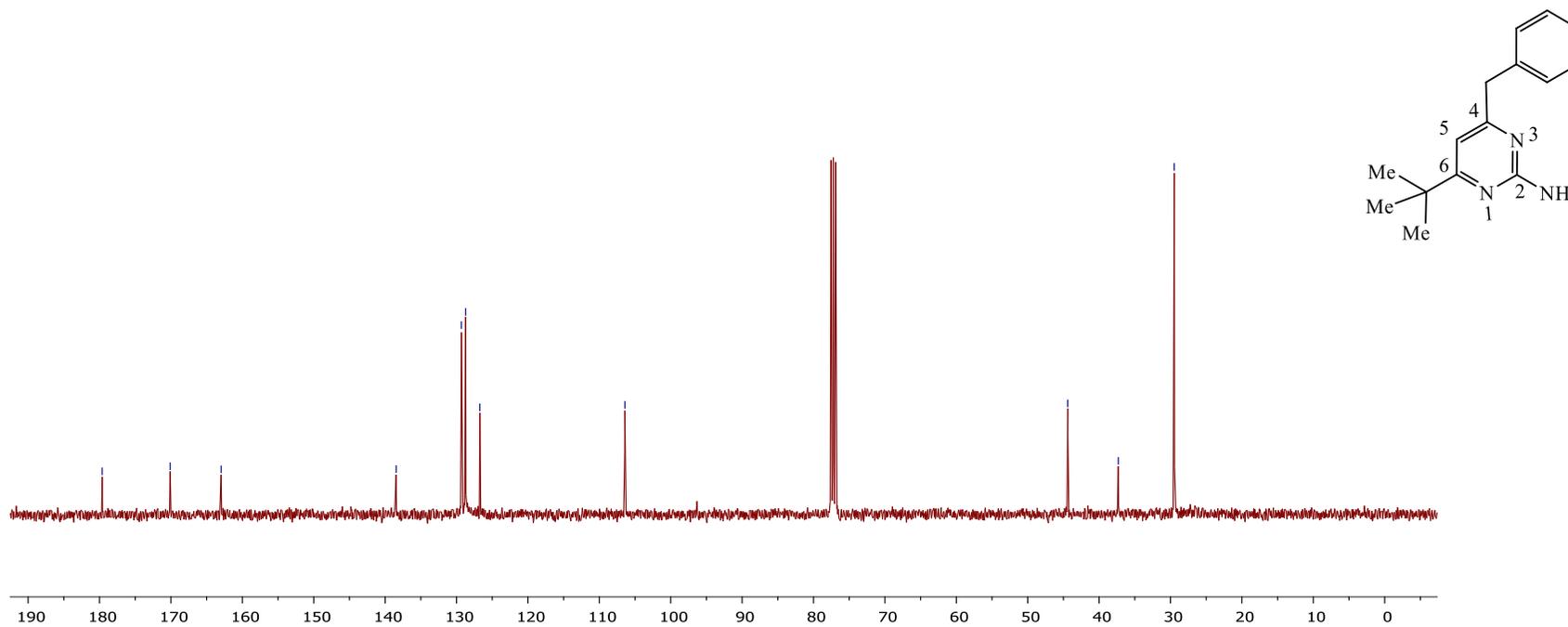
— 126.73

— 106.43

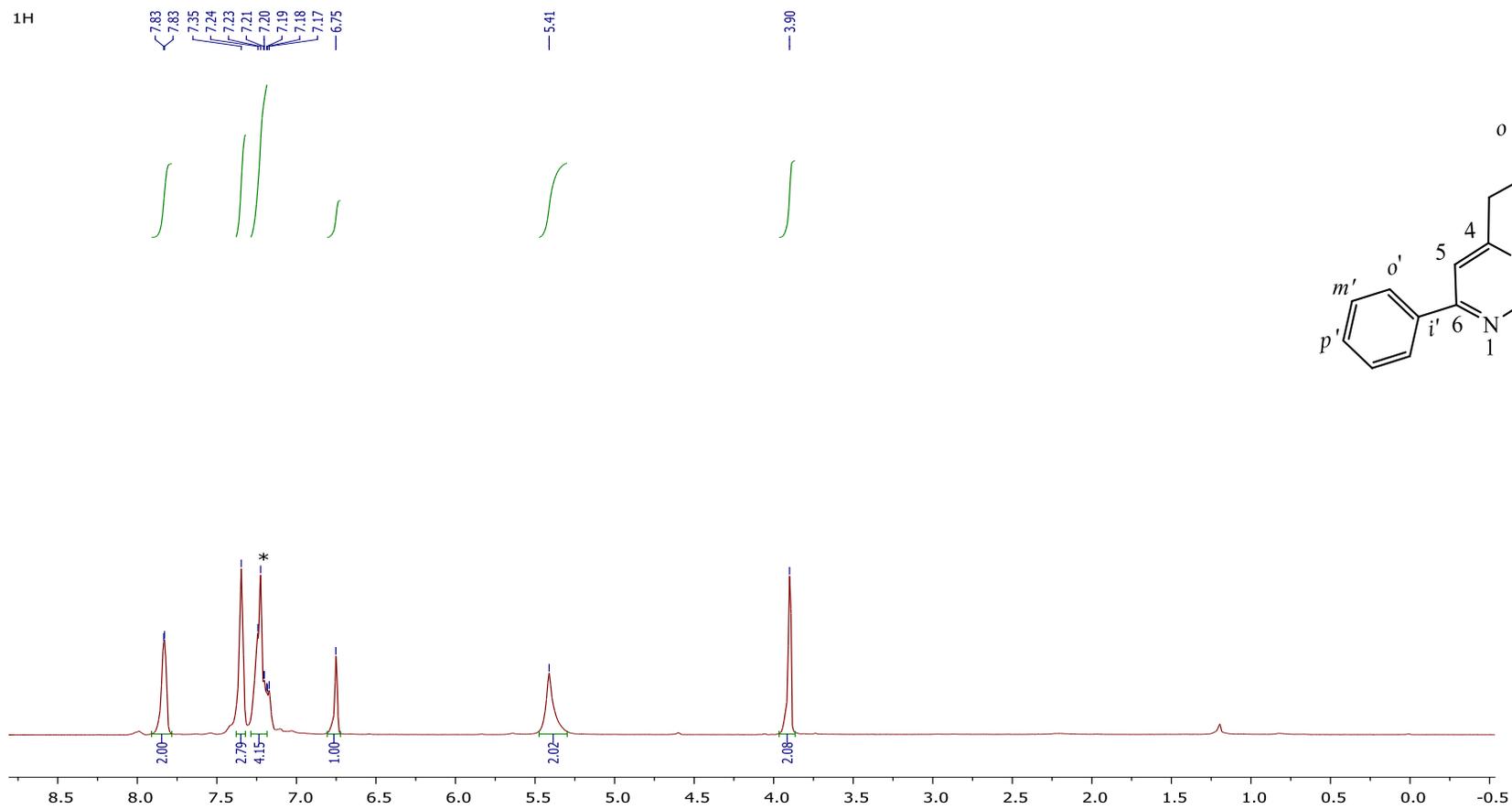
— 44.39

— 37.31

— 29.47



¹³C NMR spectrum of **2a** (100.6 MHz, CDCl₃)



¹H NMR spectrum of **2b** (400.1 MHz, CDCl₃)

¹³C

—170.95

—165.83

—163.51

—138.03

—137.61

—130.37

—129.26

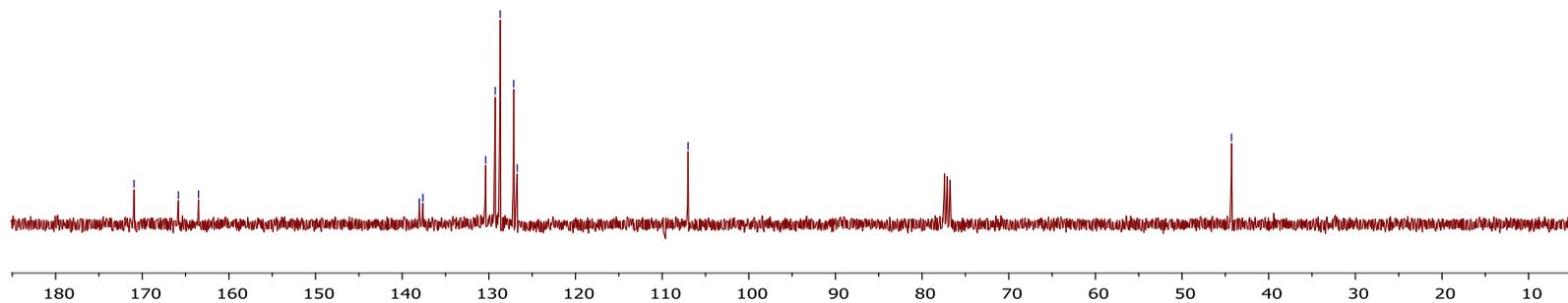
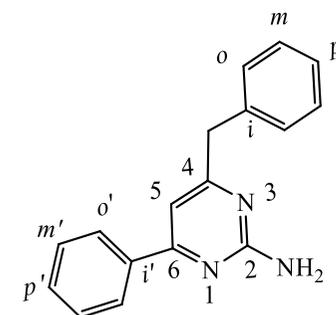
—128.69

—127.13

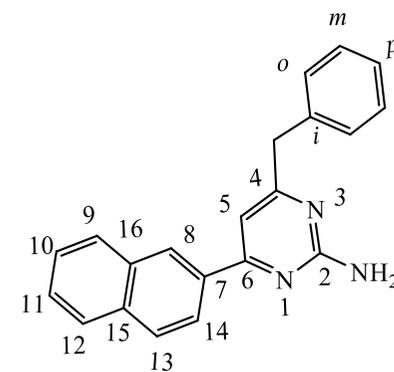
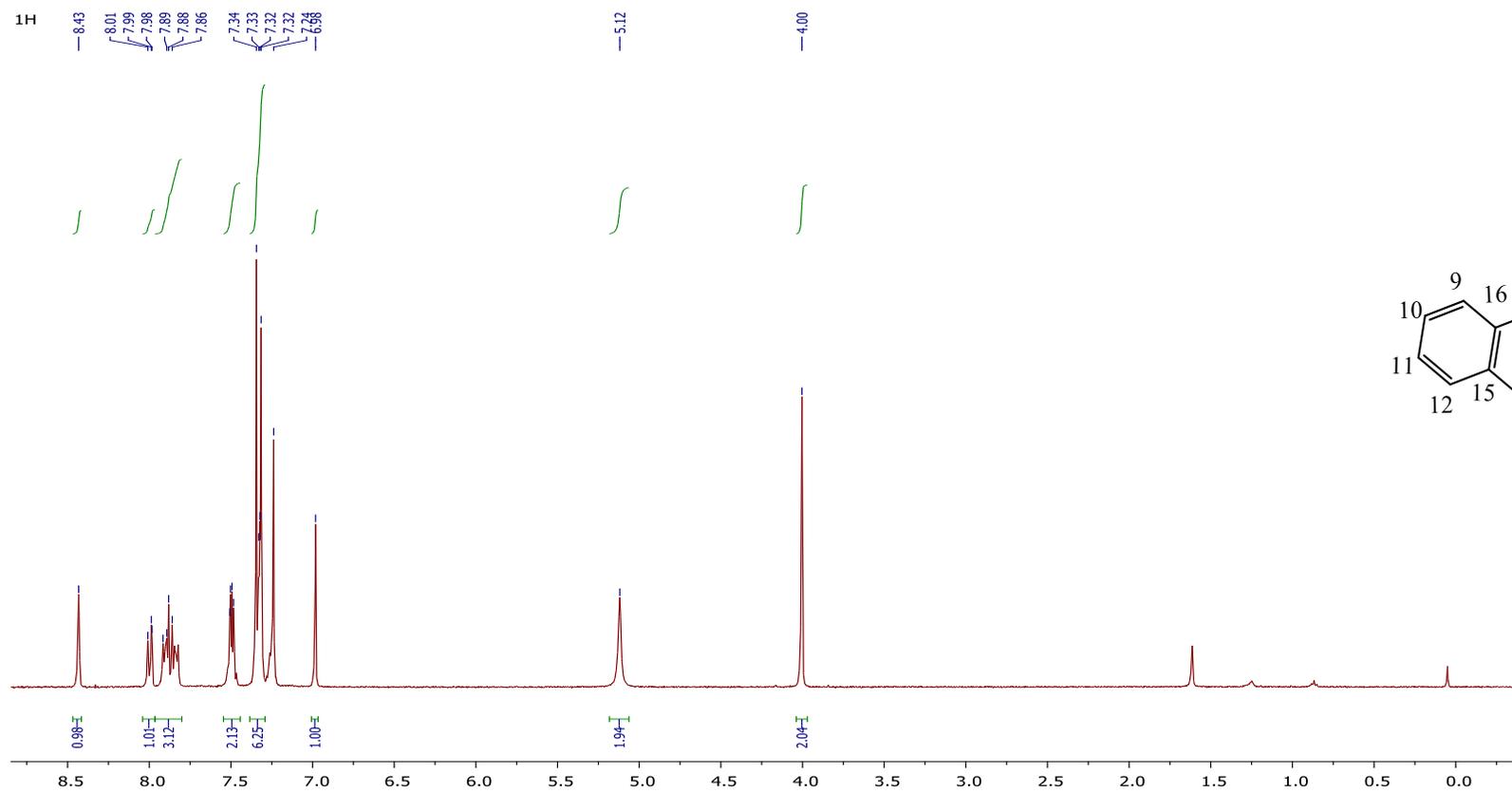
—126.73

—107.01

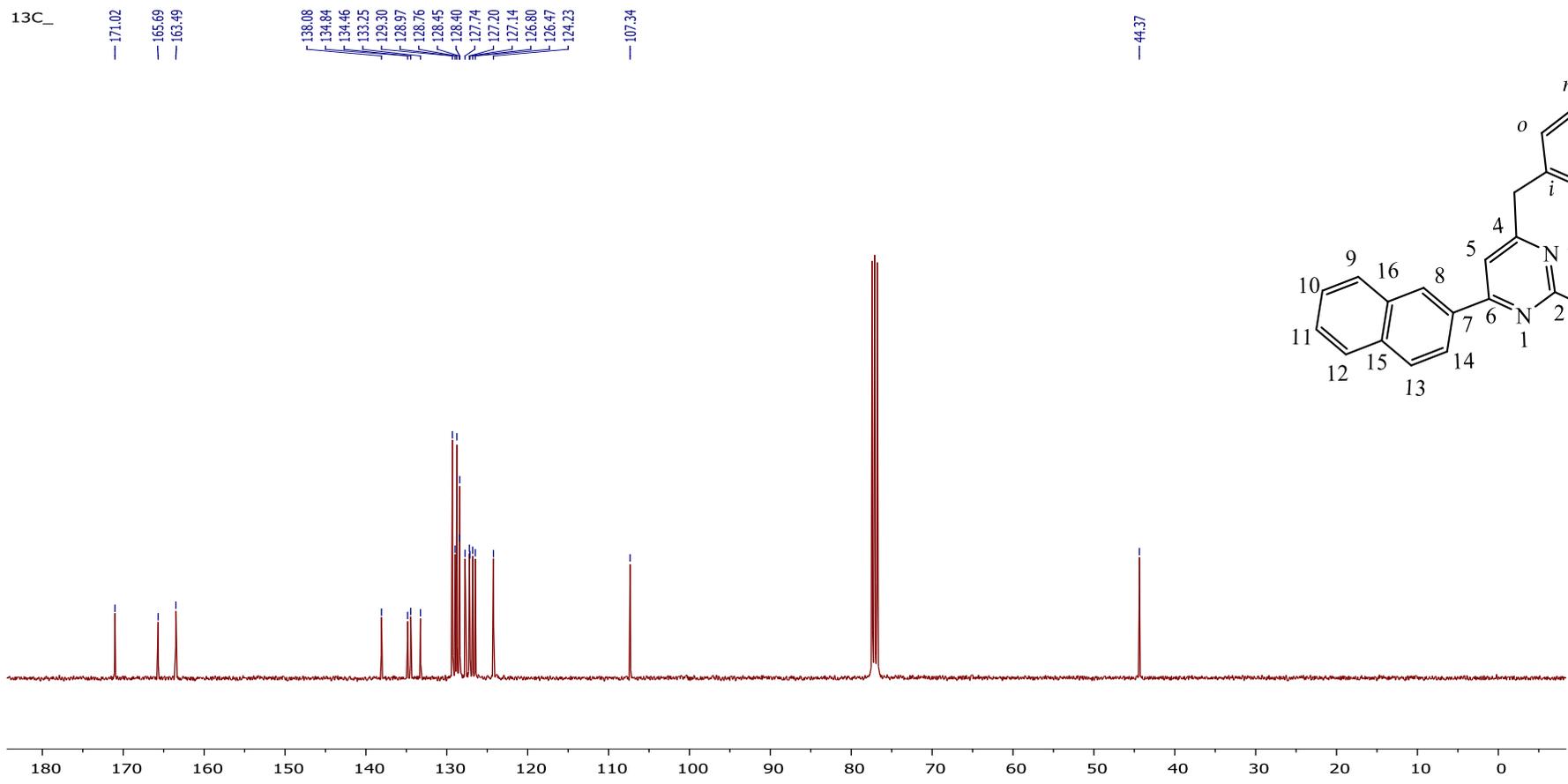
—44.28



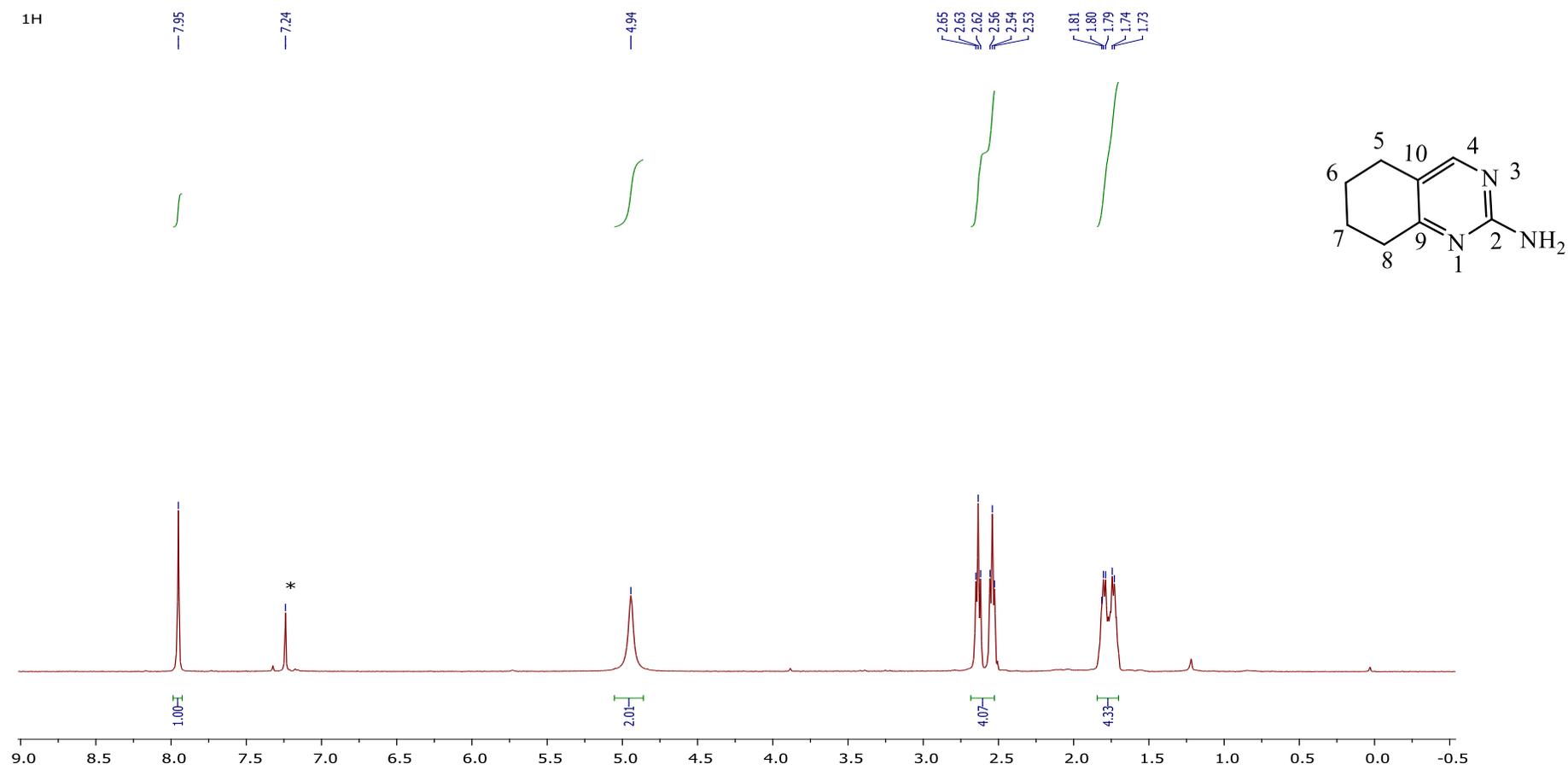
¹³C NMR spectrum of **2b** (100.6 MHz, CDCl₃)



^1H NMR spectrum of **2c** (400.1 MHz, CDCl_3)



¹³C NMR spectrum of **2c** (100.6 MHz, CDCl₃)



¹H NMR spectrum of **3a** (400.1 MHz, CDCl₃)

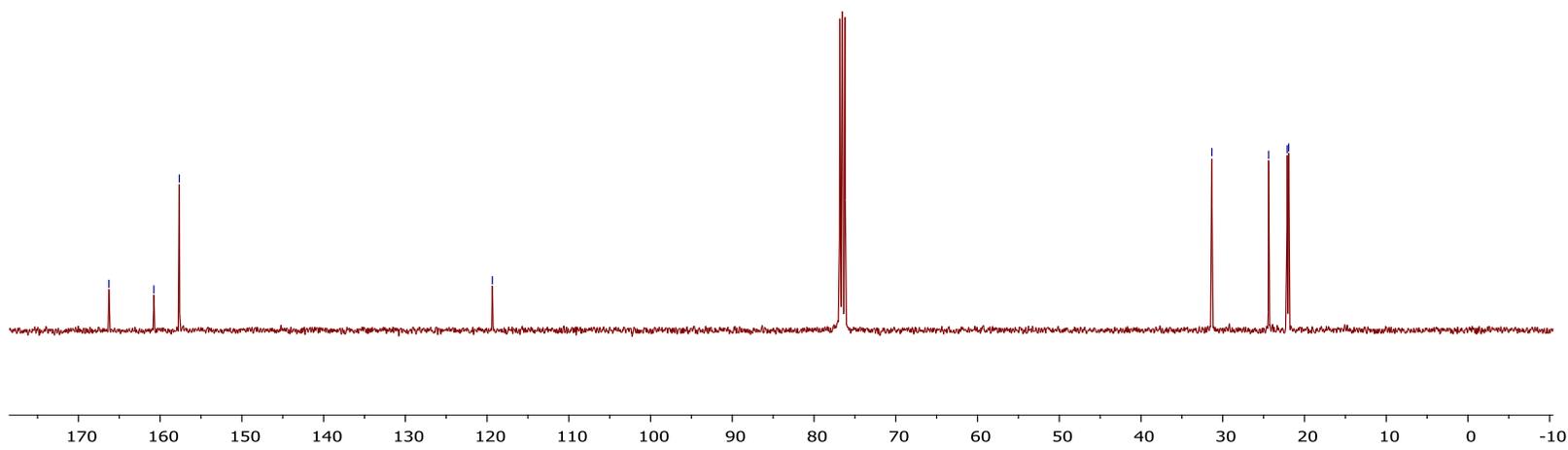
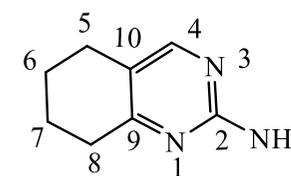
¹³C_

— 166.26
— 160.77
— 157.65

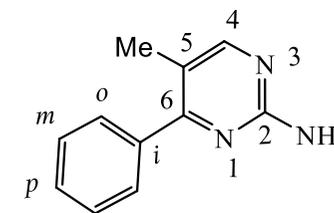
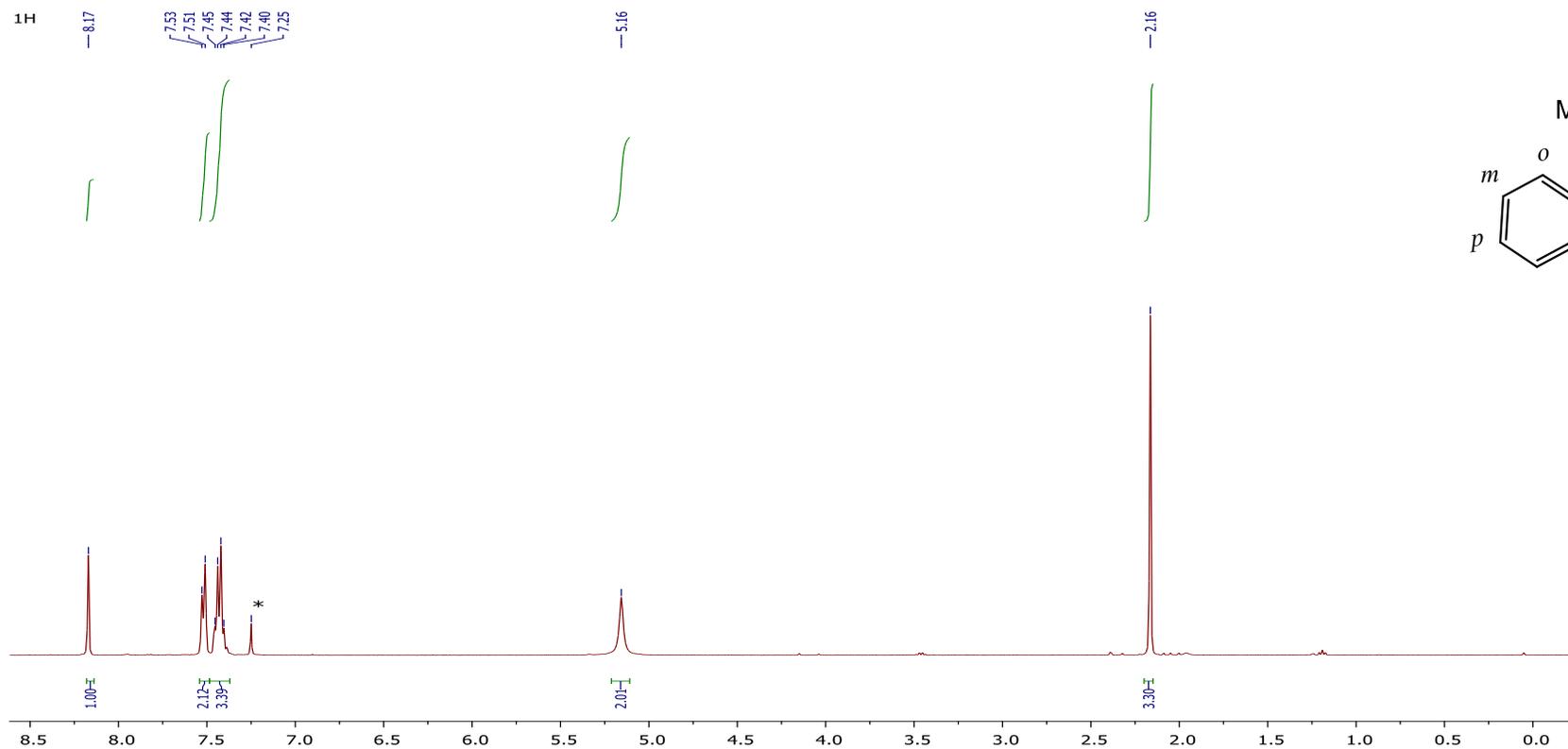
— 119.36

— 31.33

— 24.39
— 22.12
— 21.93



¹³C NMR spectrum of **3a** (100.6 MHz, CDCl₃)



^1H NMR spectrum of **3b** (400.1 MHz, CDCl_3)

