

Multicomponent pathway inspired regioselective synthesis of 2,3,4-trisubstituted 1*H*-pyrroles via [3+2] cycloaddition reaction

Hanuman P. Kalmode,^a Kamlesh S. Vadagaonkar,^a Kaliyappan Murugan*^b and Atul C. Chaskar*^{a,b,c}

^a*Department of Dyestuff Technology, Institute of Chemical Technology, Mumbai 400019, India*

^b*National Taiwan University, Taipei 10617, Taiwan*

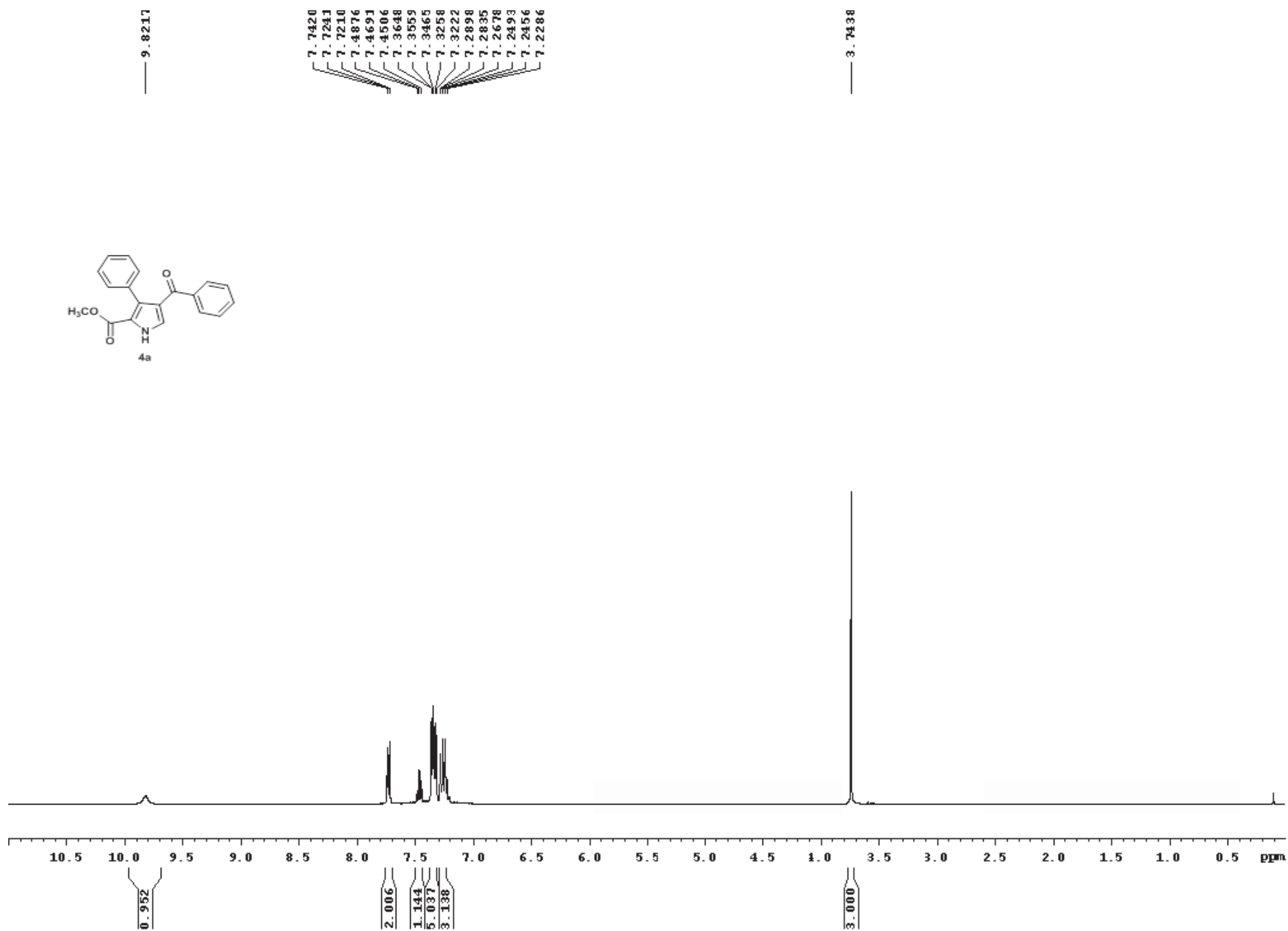
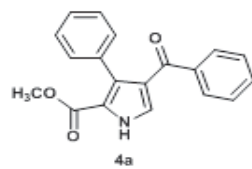
^c*National Centre for Nanosciences and Nanotechnology, University of Mumbai, Mumbai 400098, India*

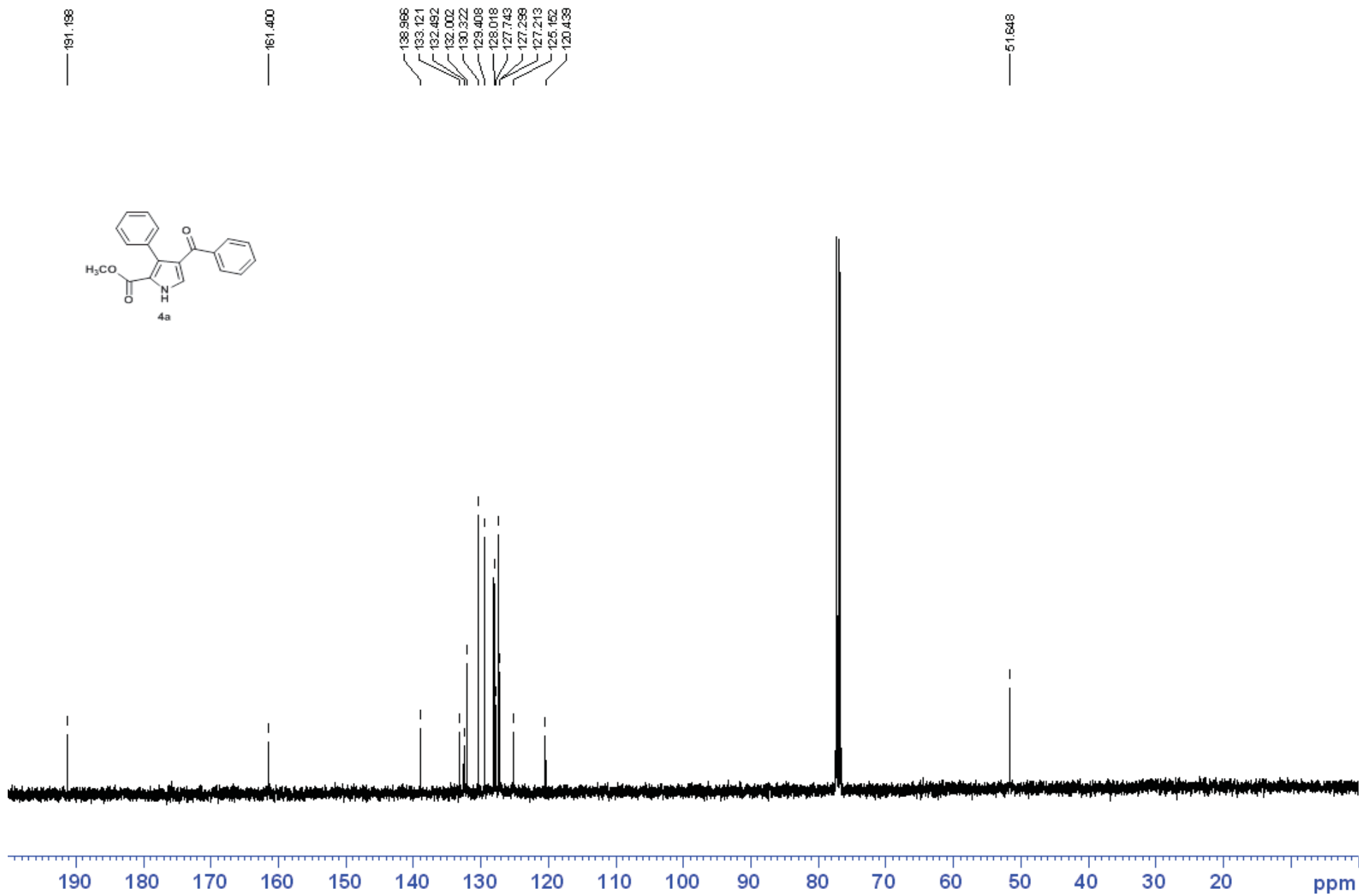
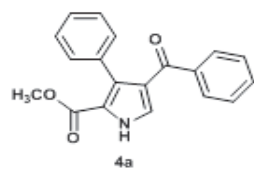
Tel.: +91-22-3361 1111/ 2706; Fax: +91-22-3361 1020; E-mail: achaskar25@gmail.com.

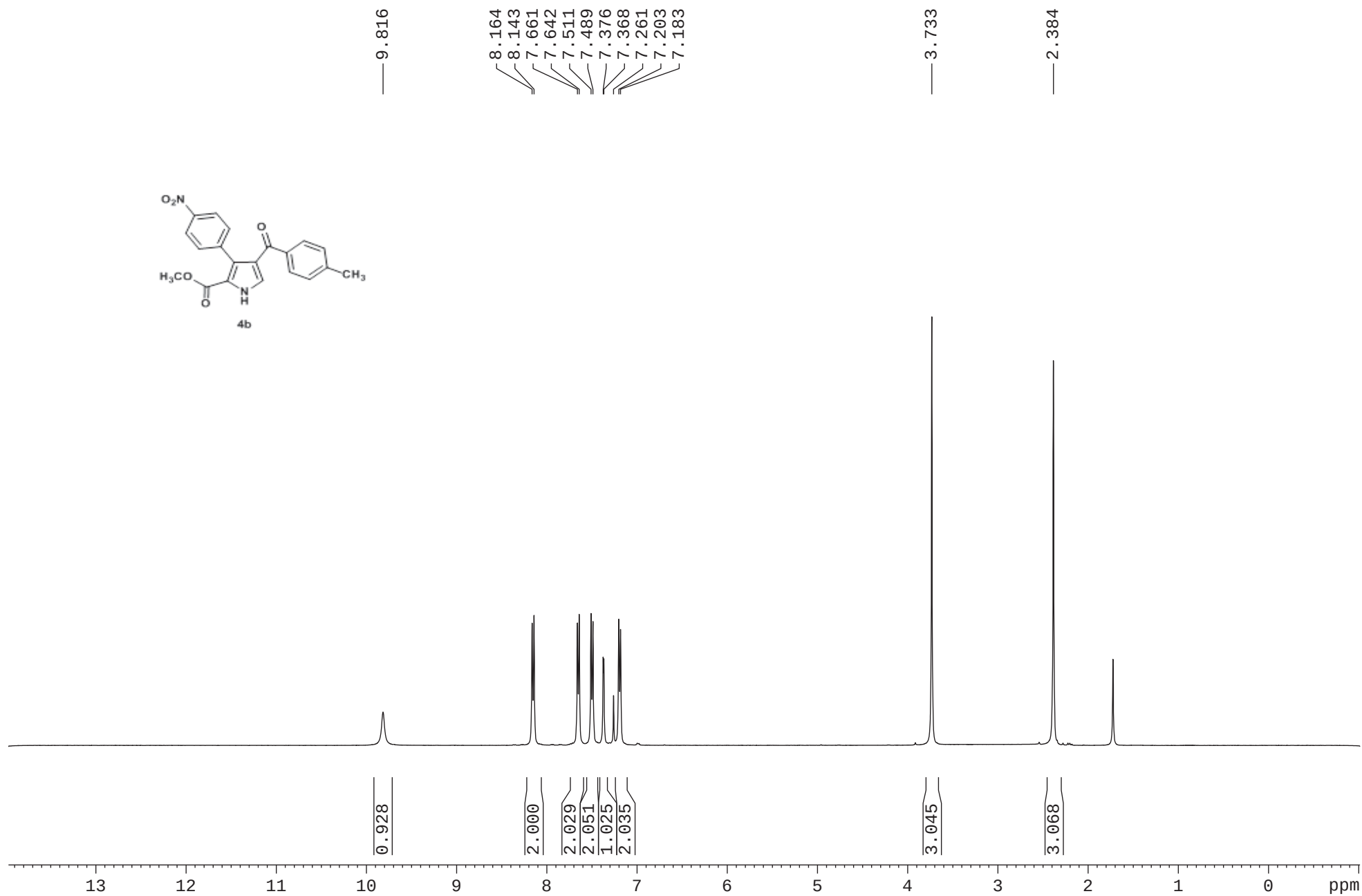
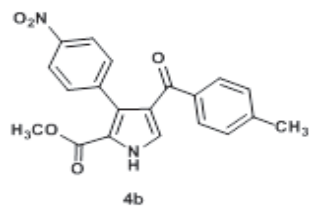
Supporting Information

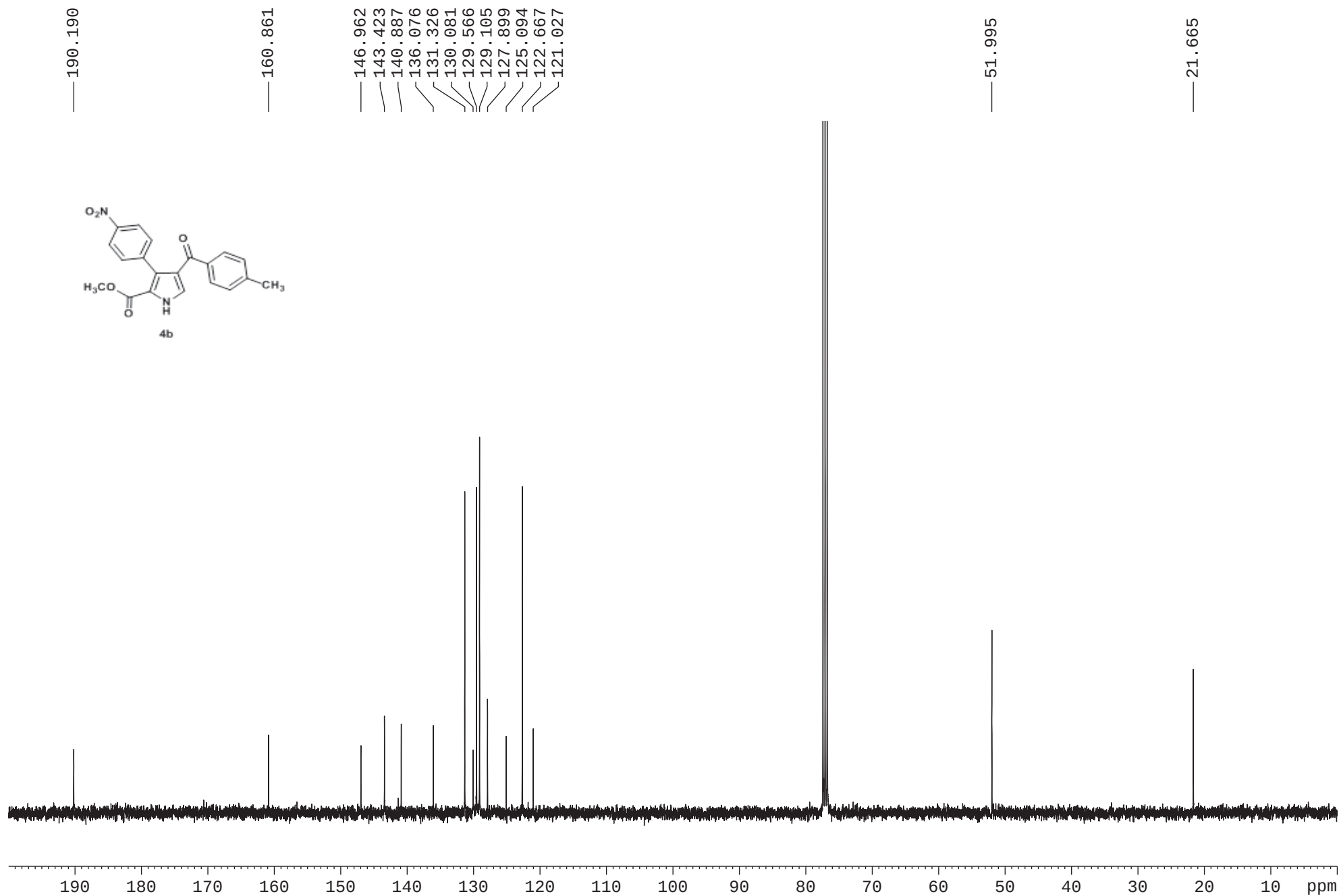
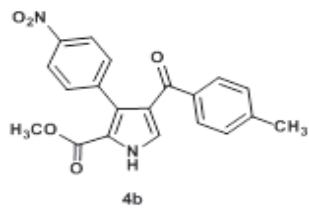
Contents

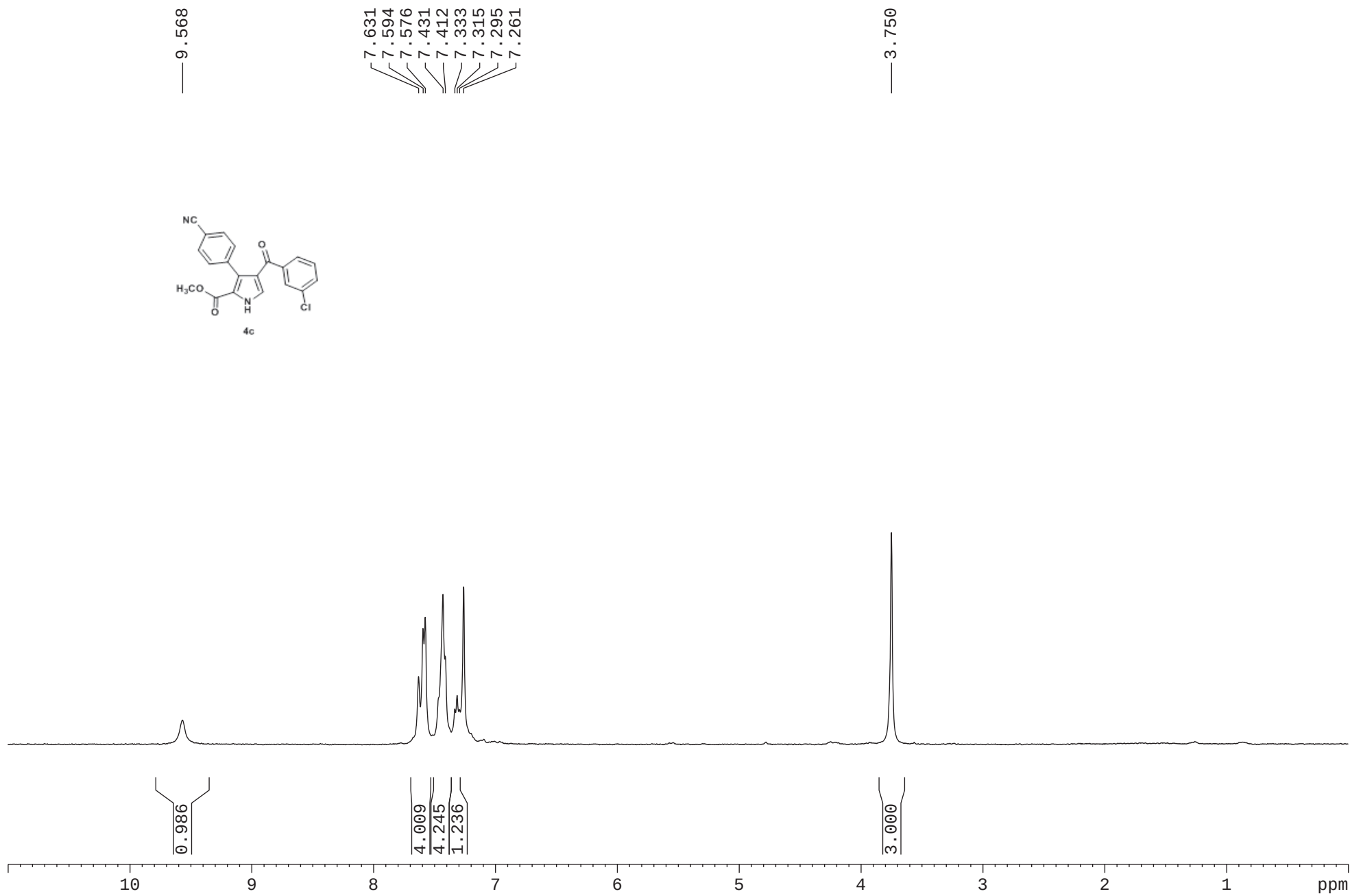
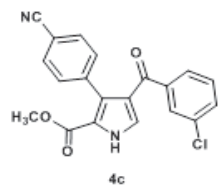
1. Copies ¹ H and ¹³ C NMR spectra of the products.....	2-51
---	------

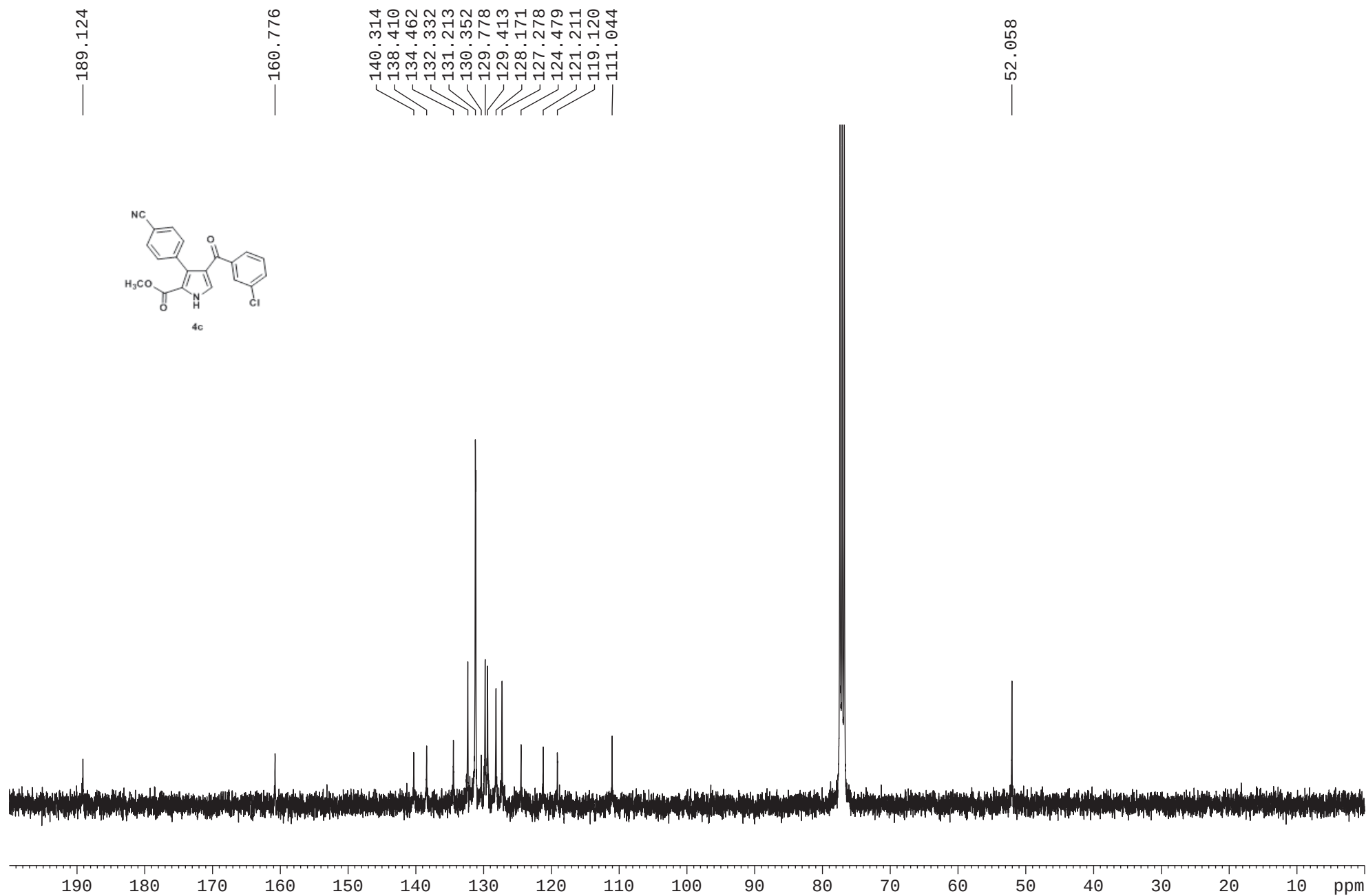
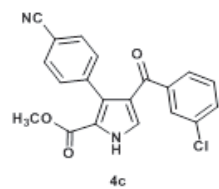


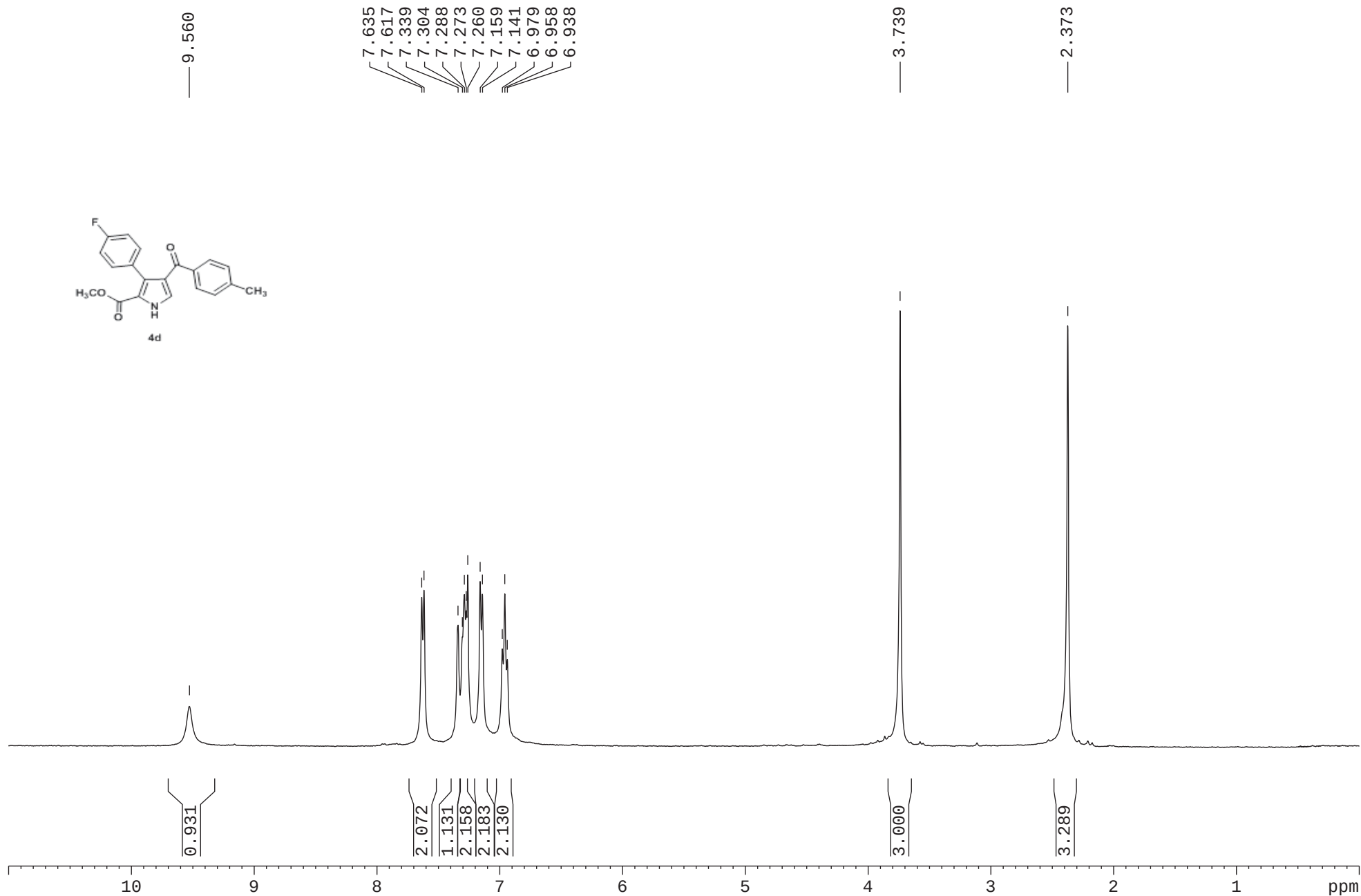
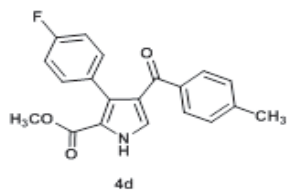


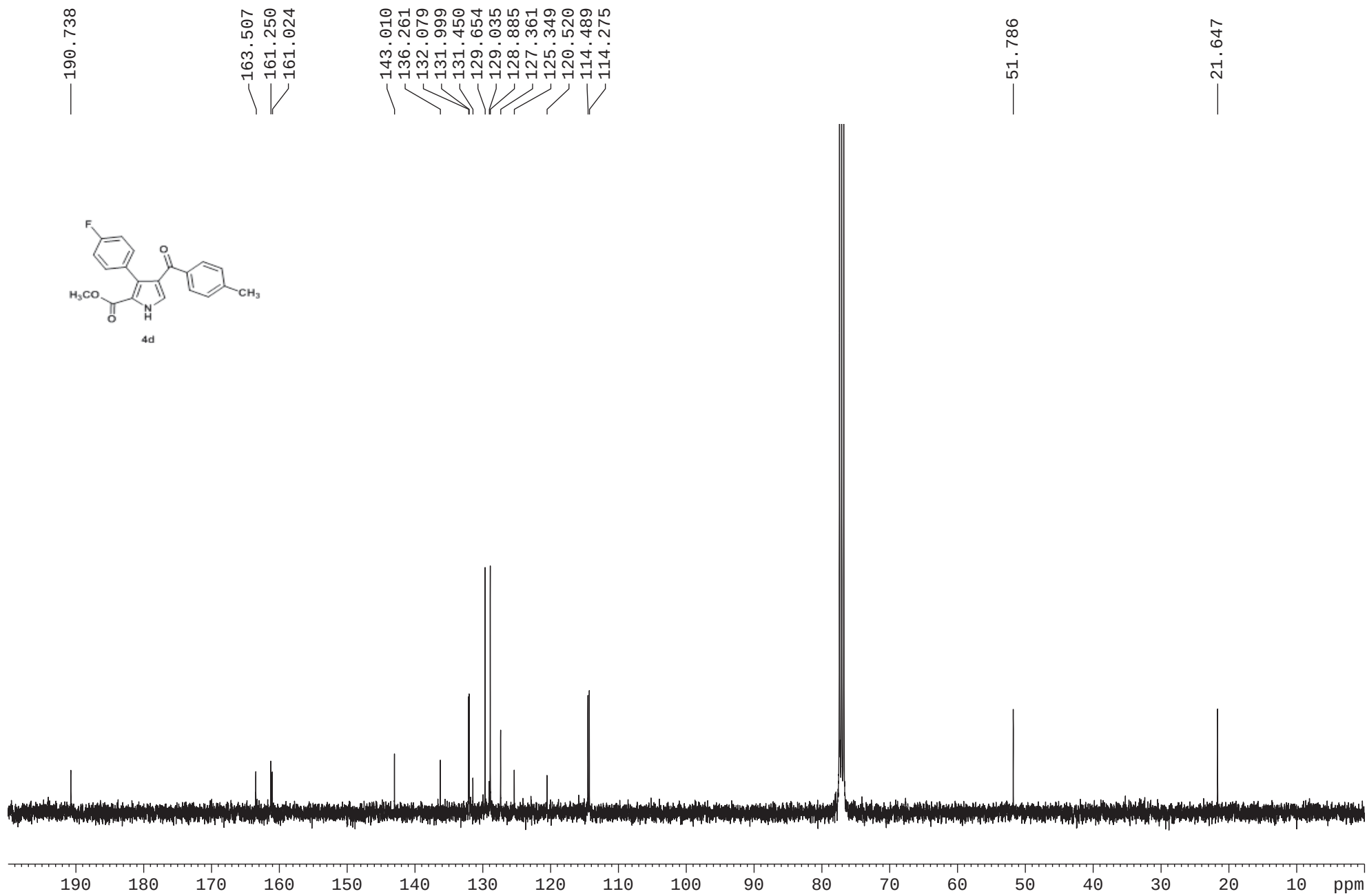
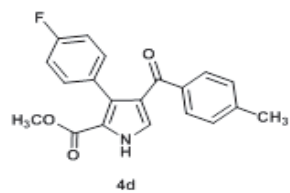


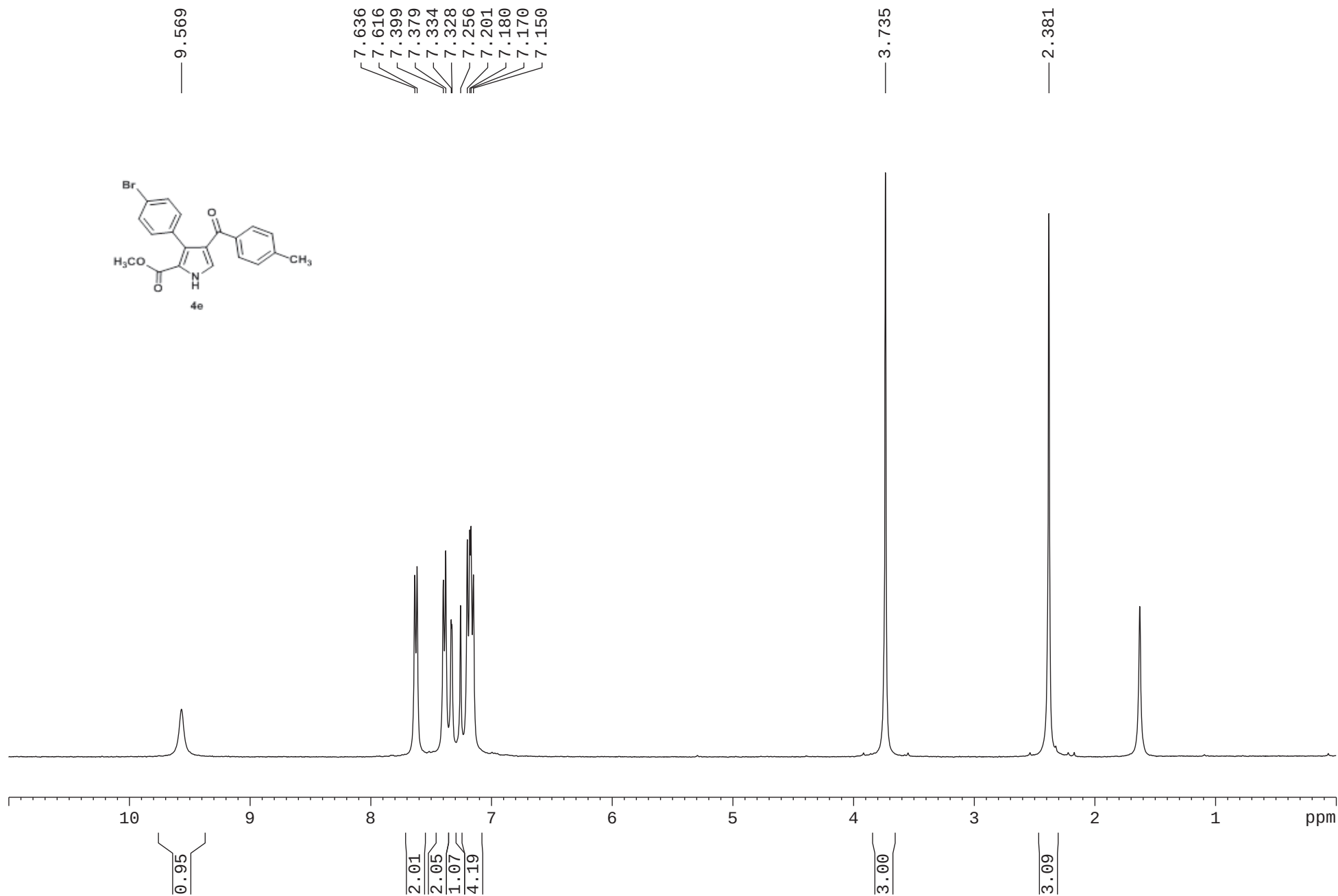
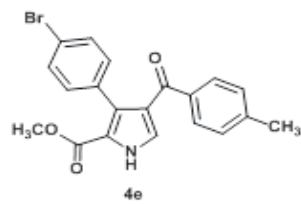


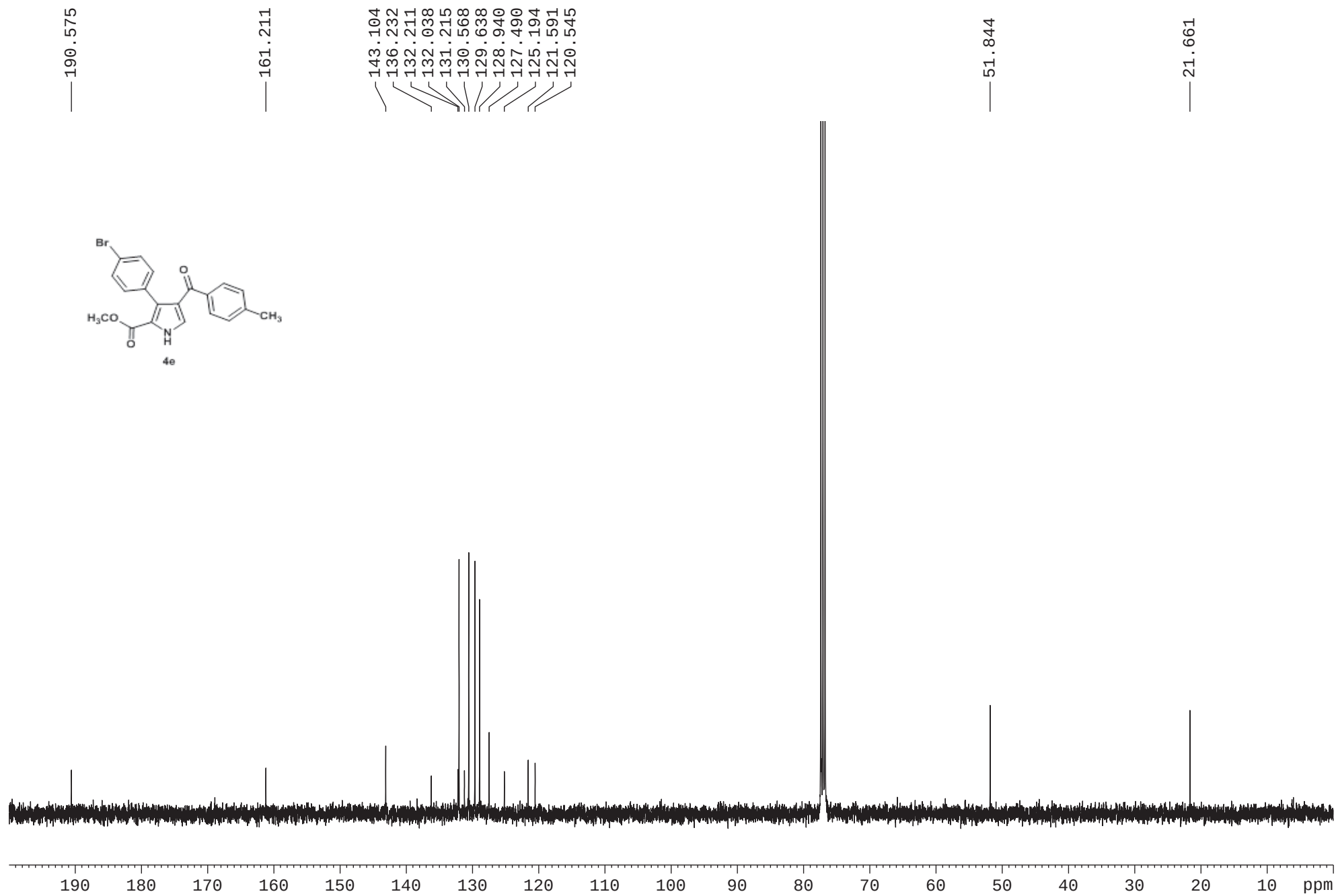
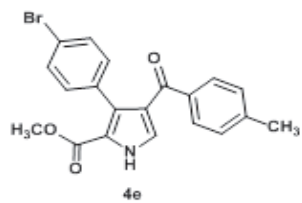


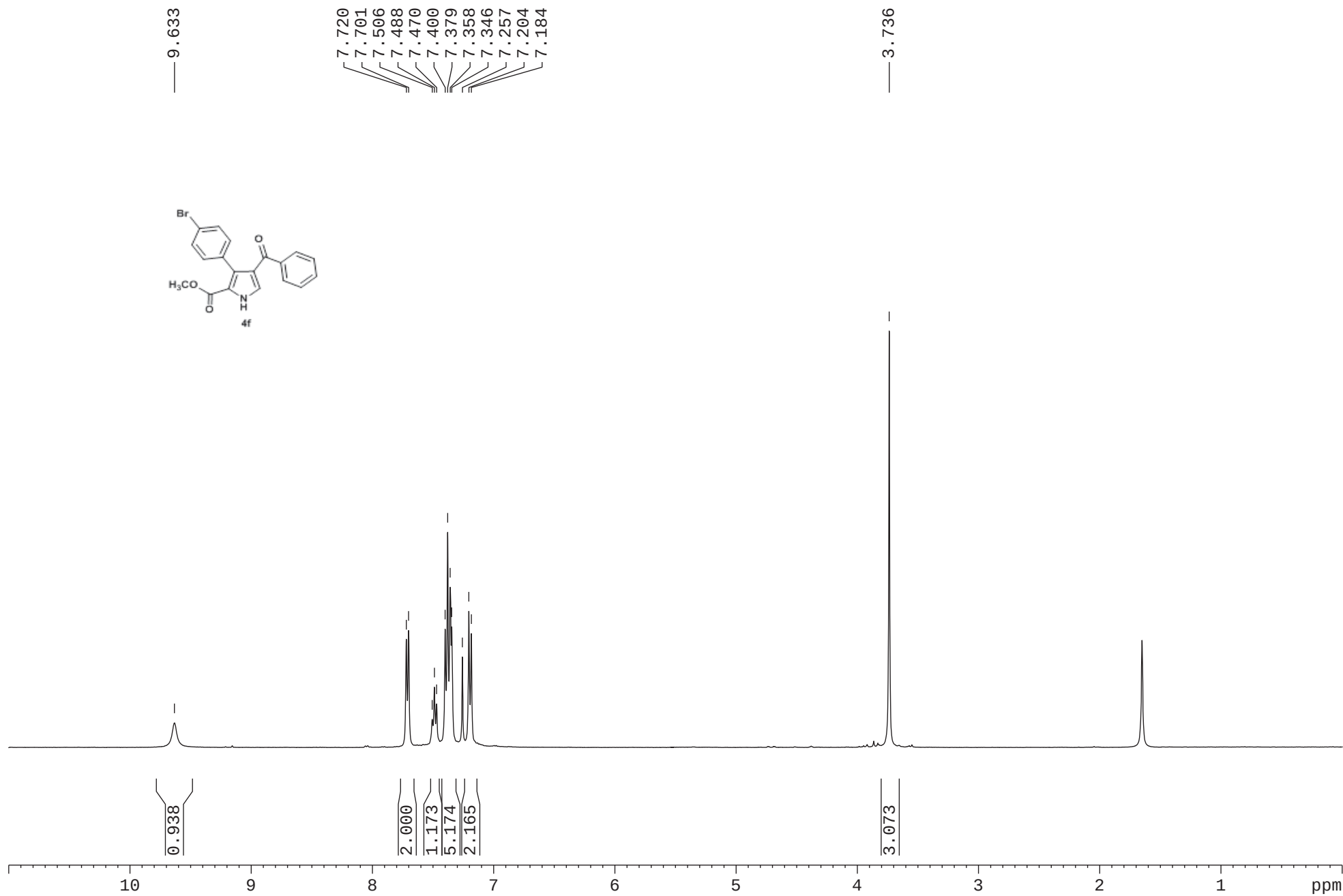
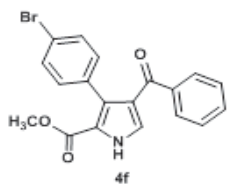


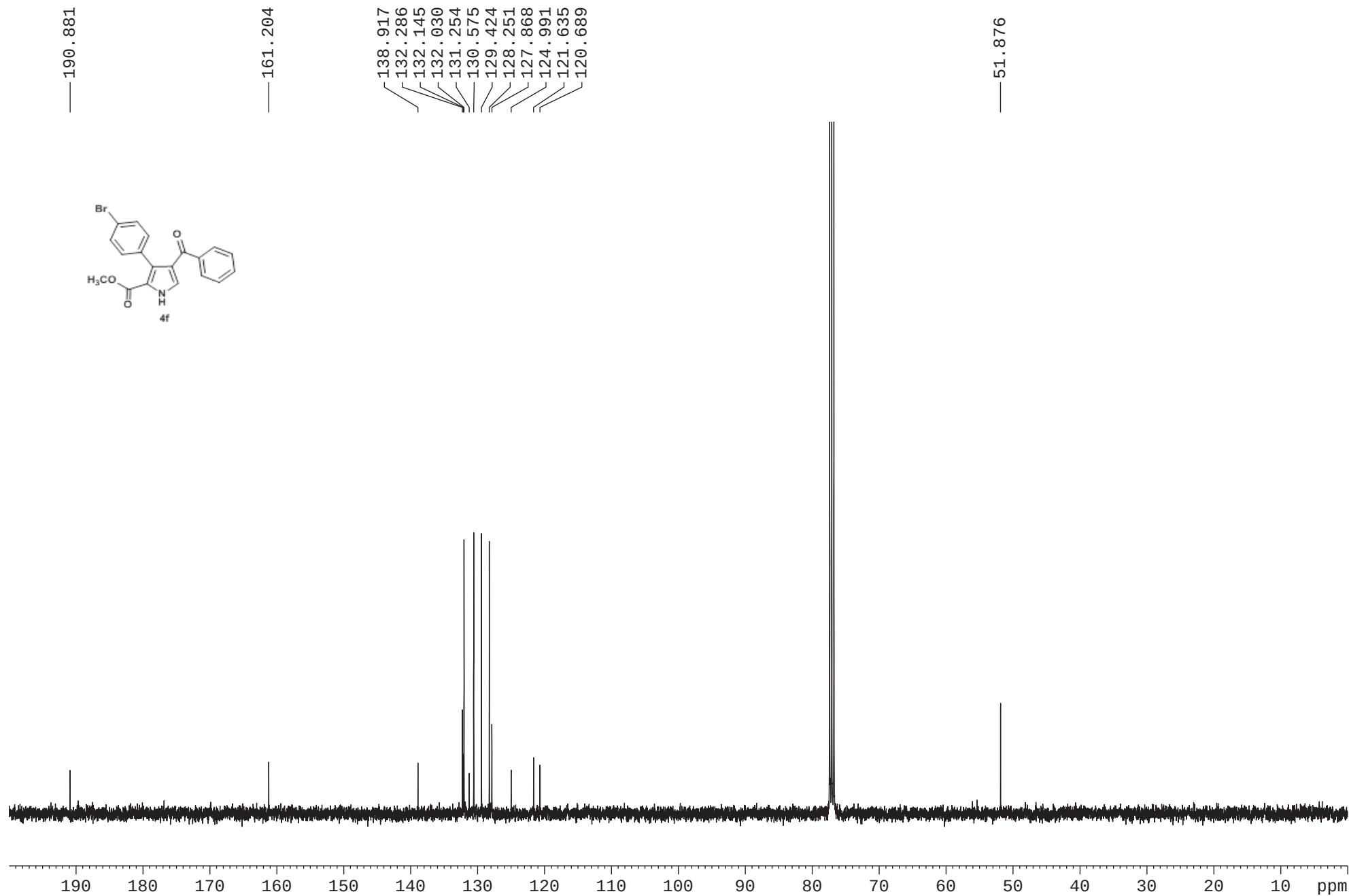
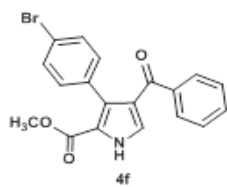


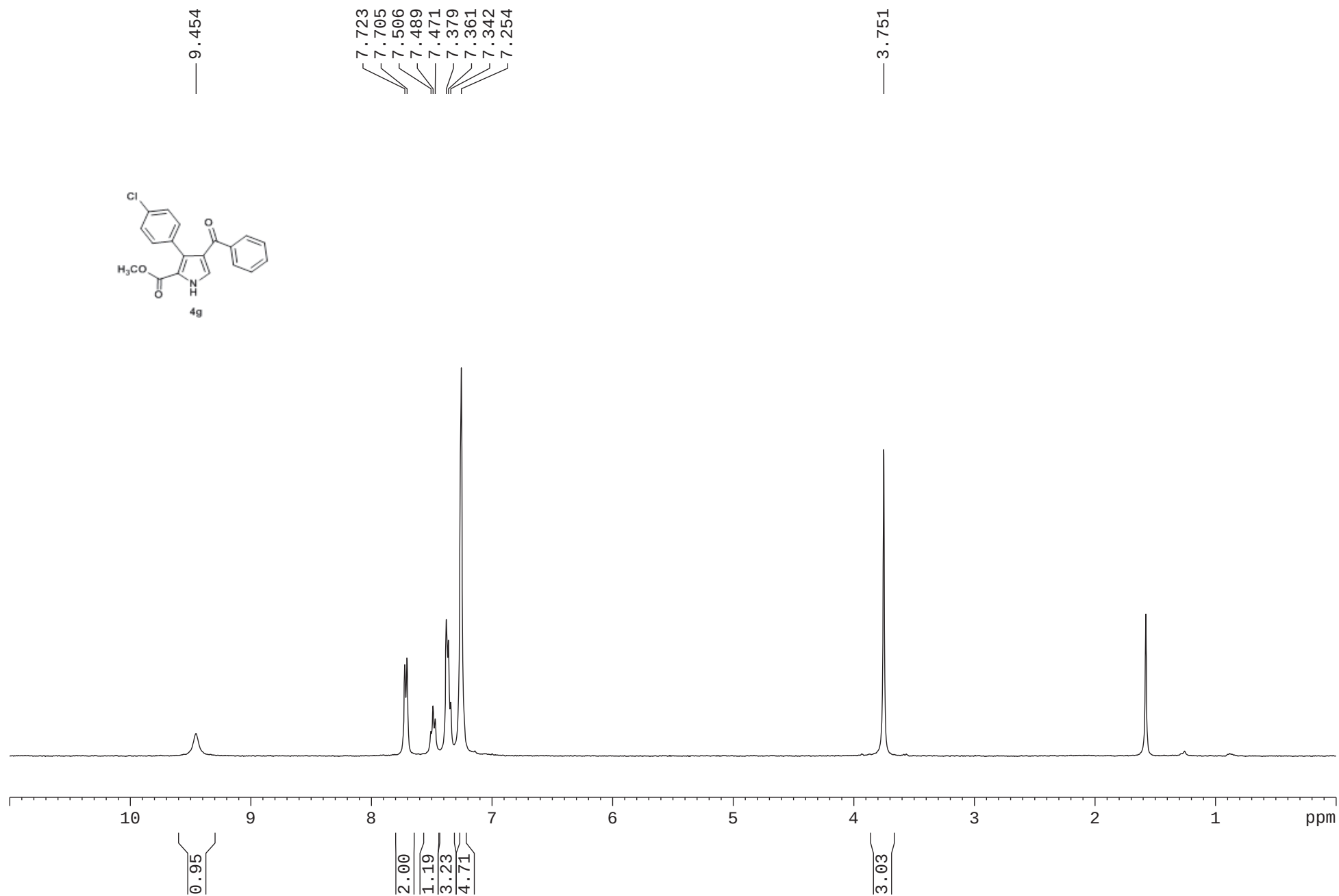
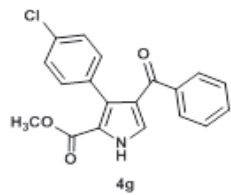


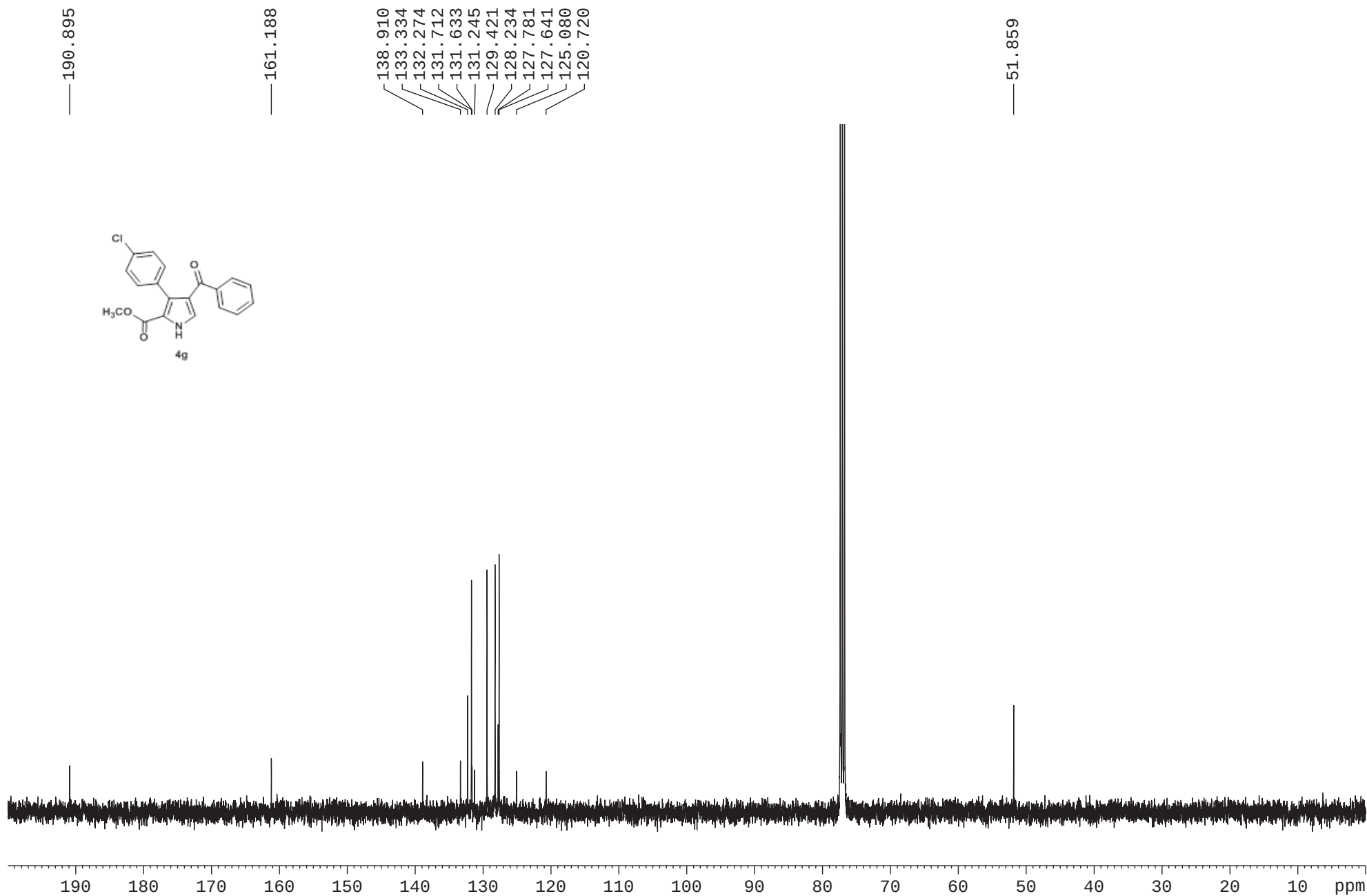
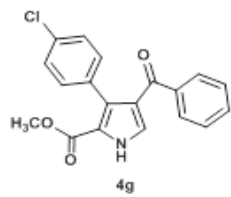


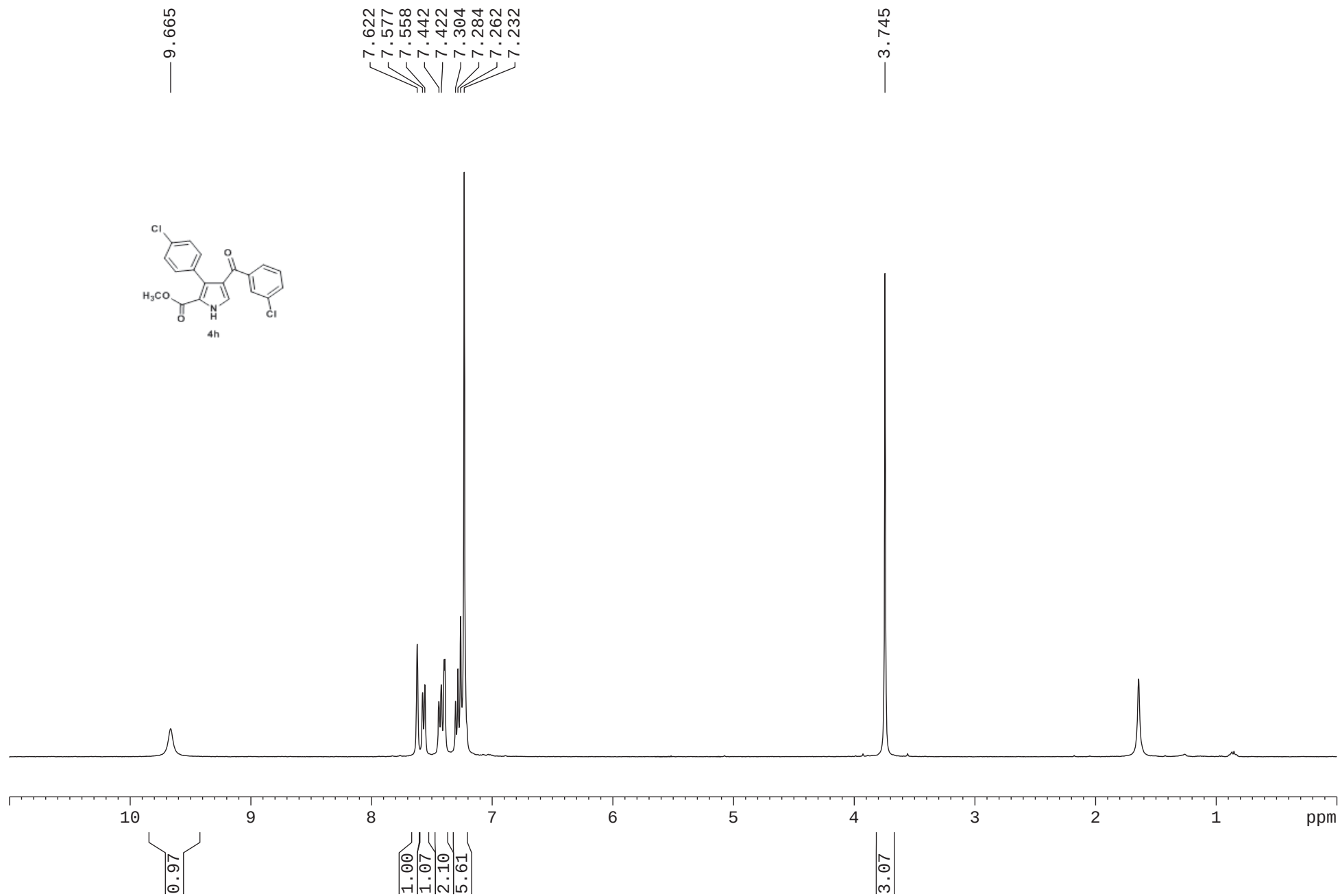
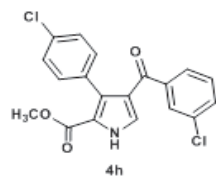


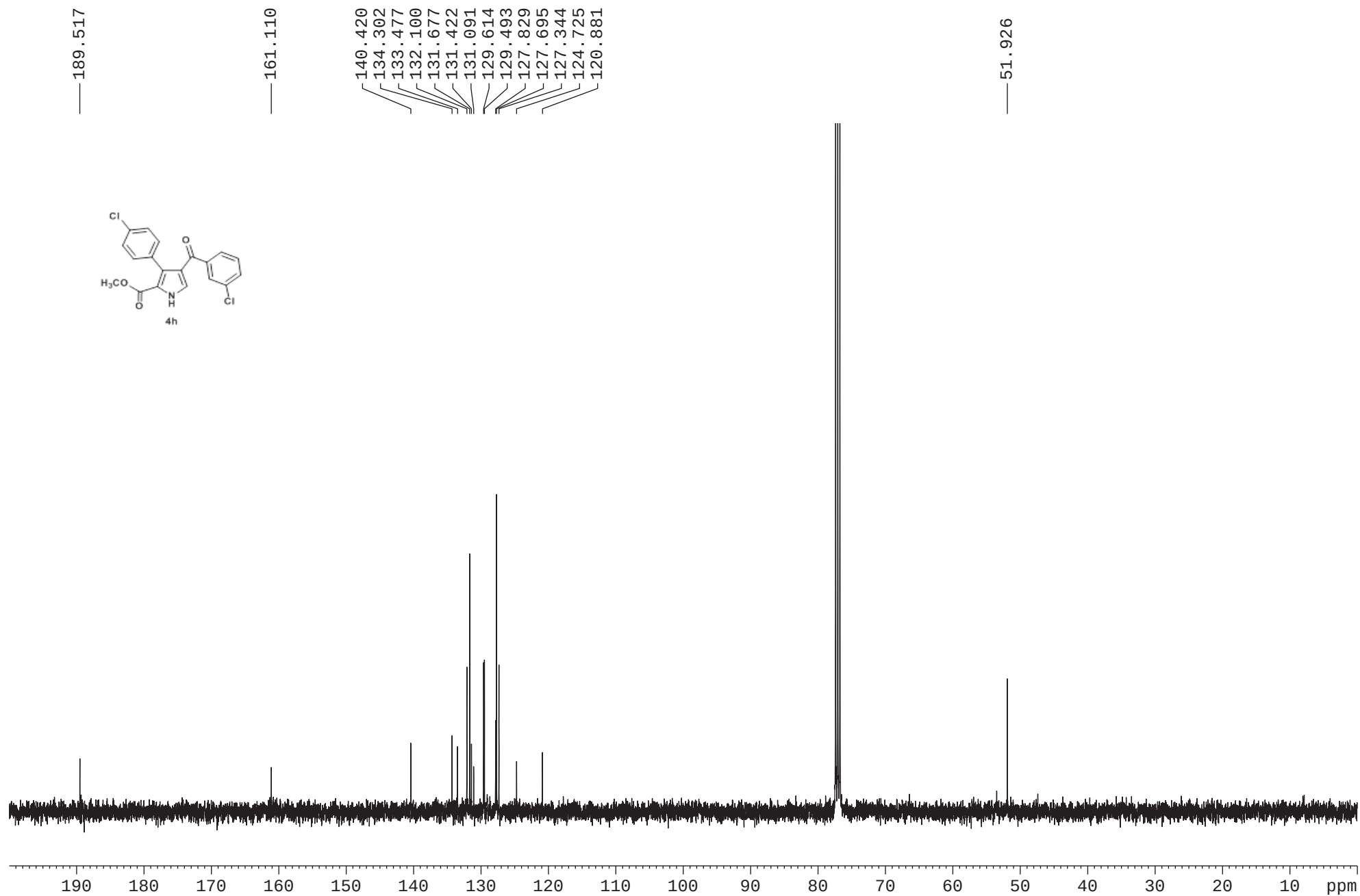
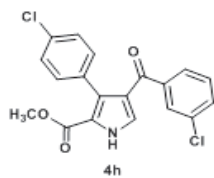


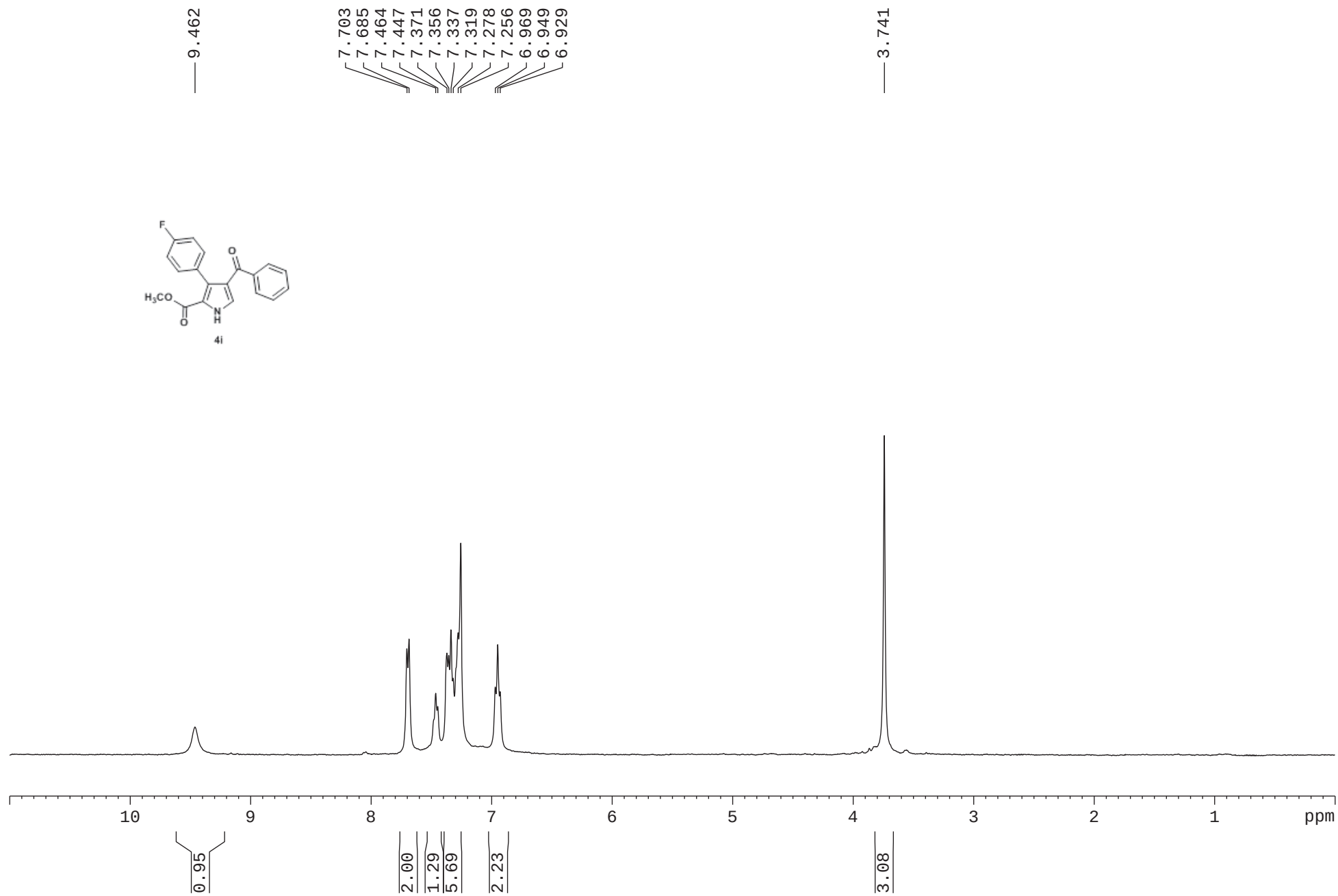
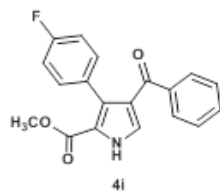


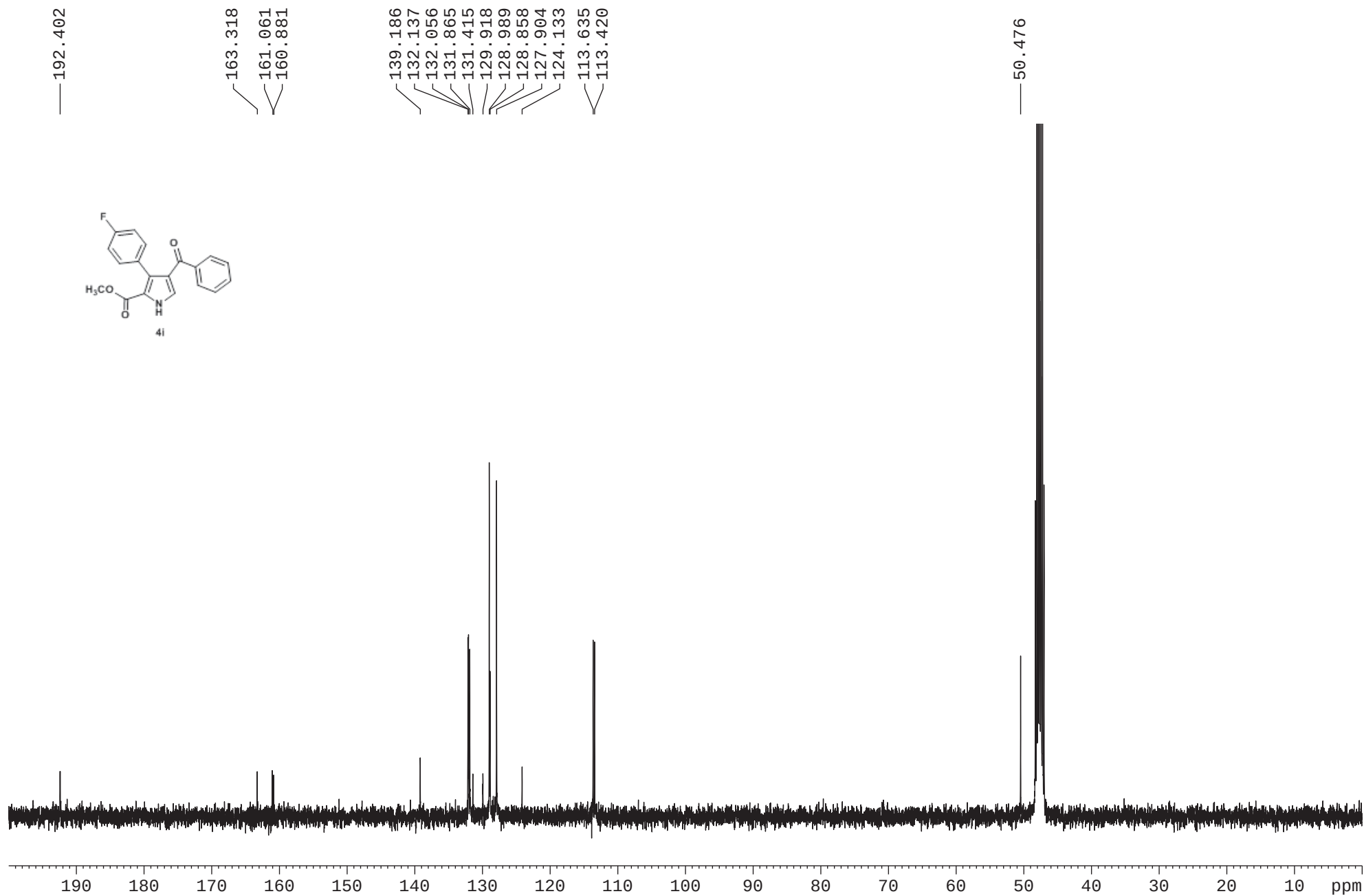
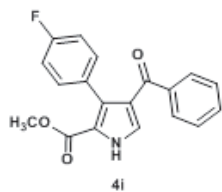


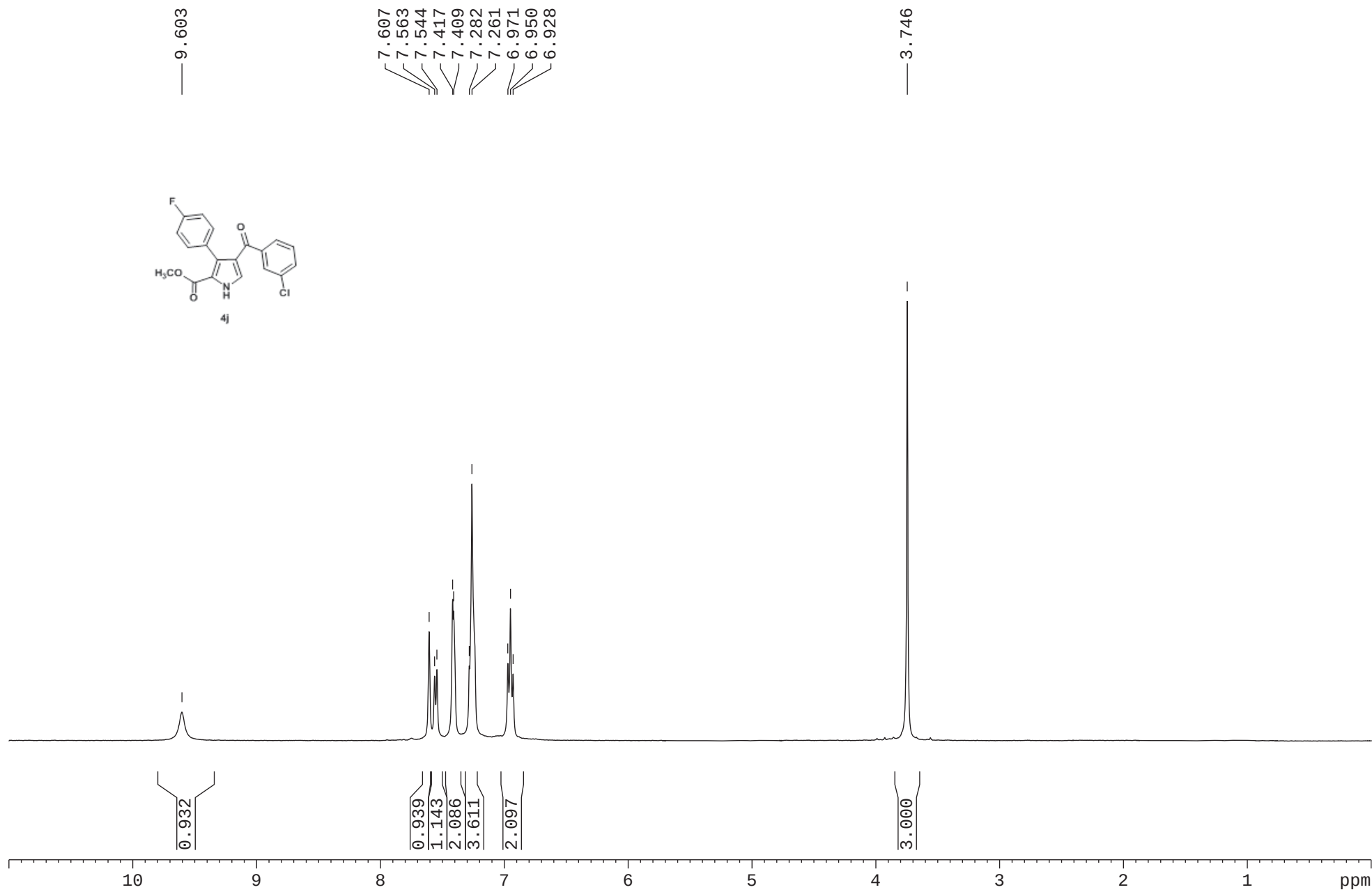
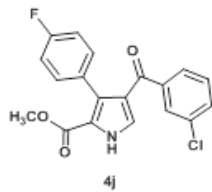


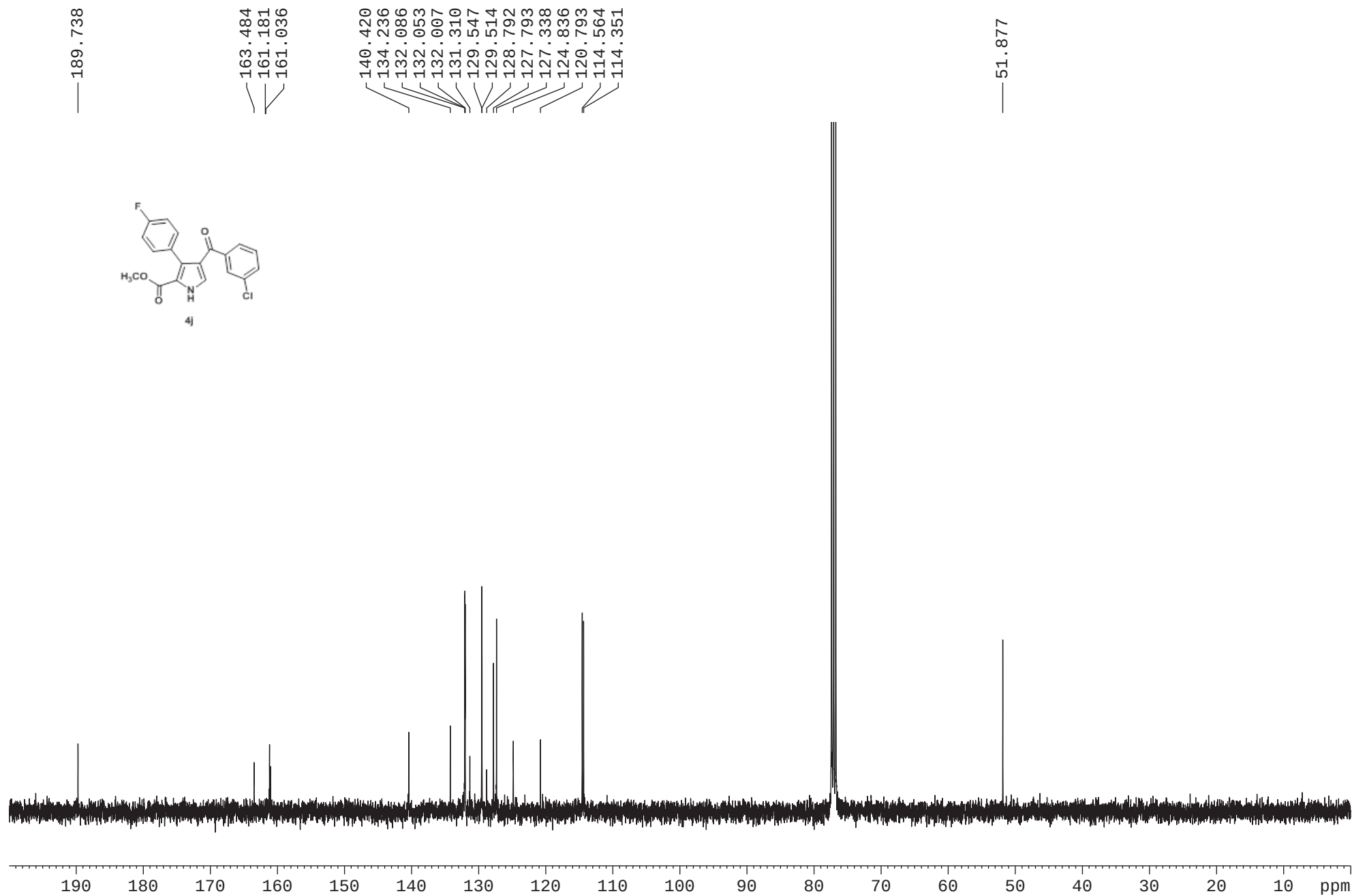
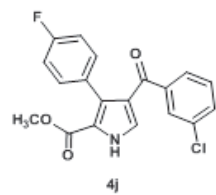


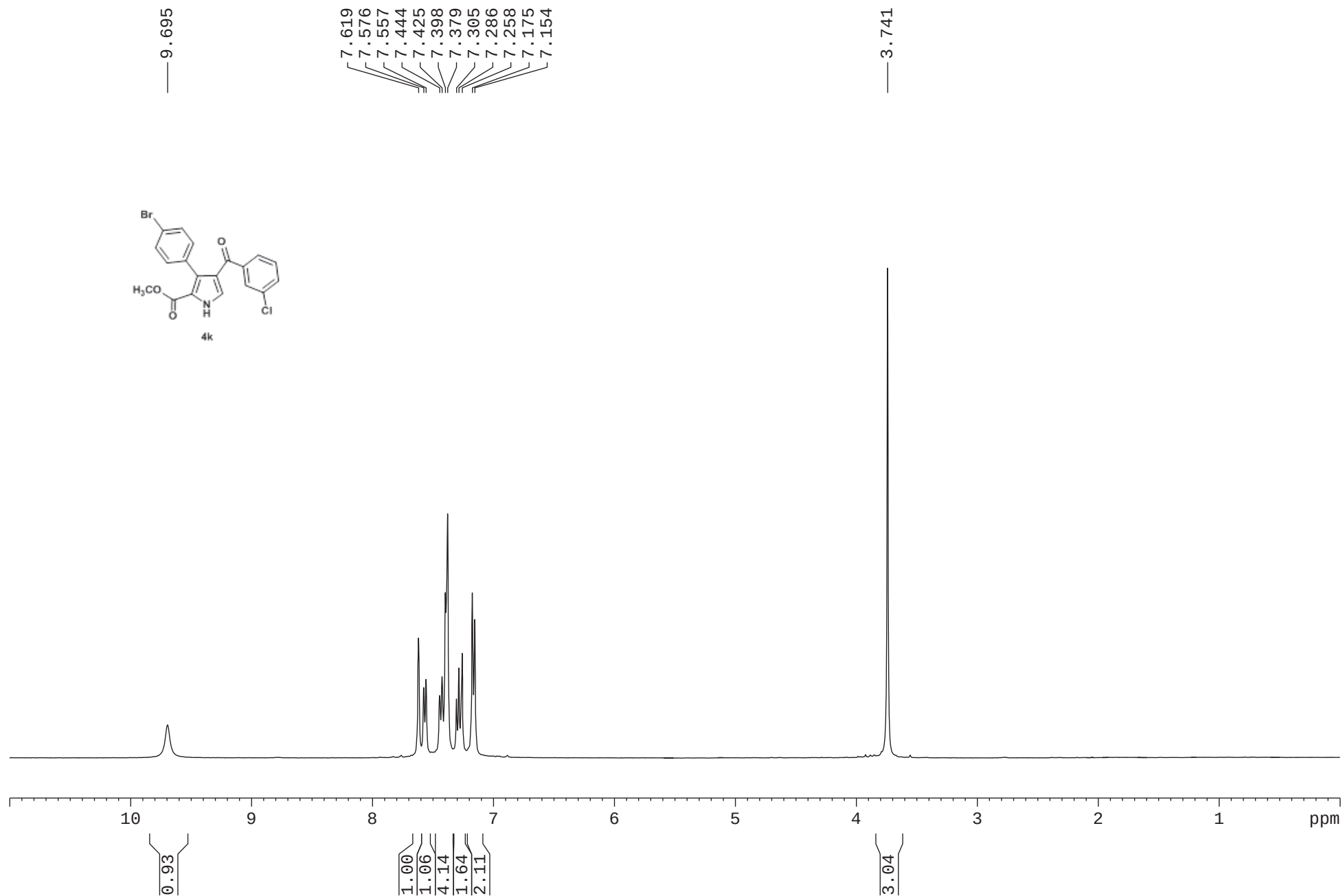
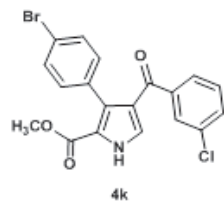


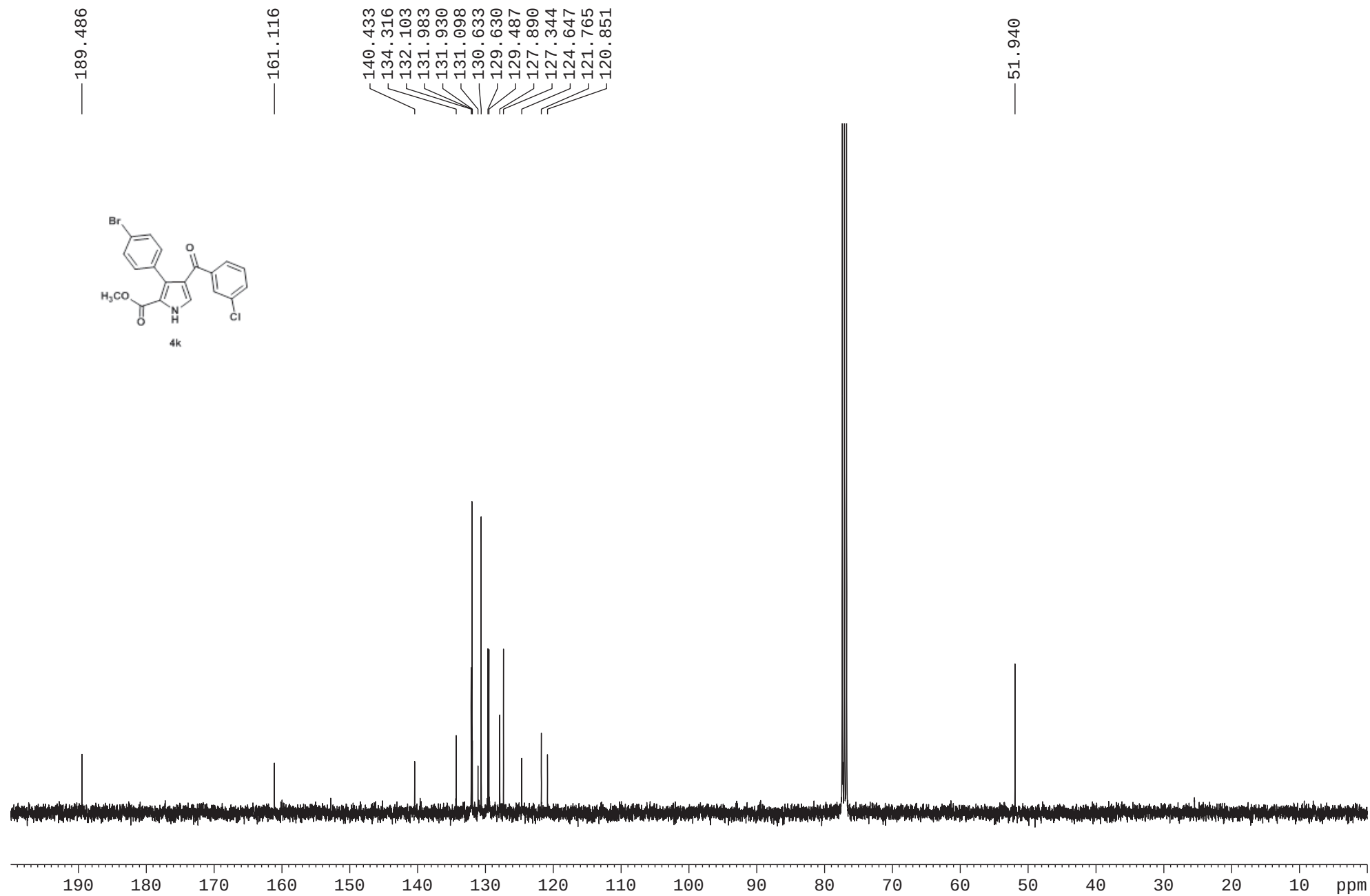
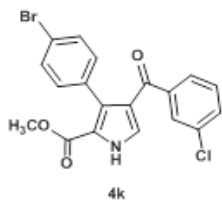


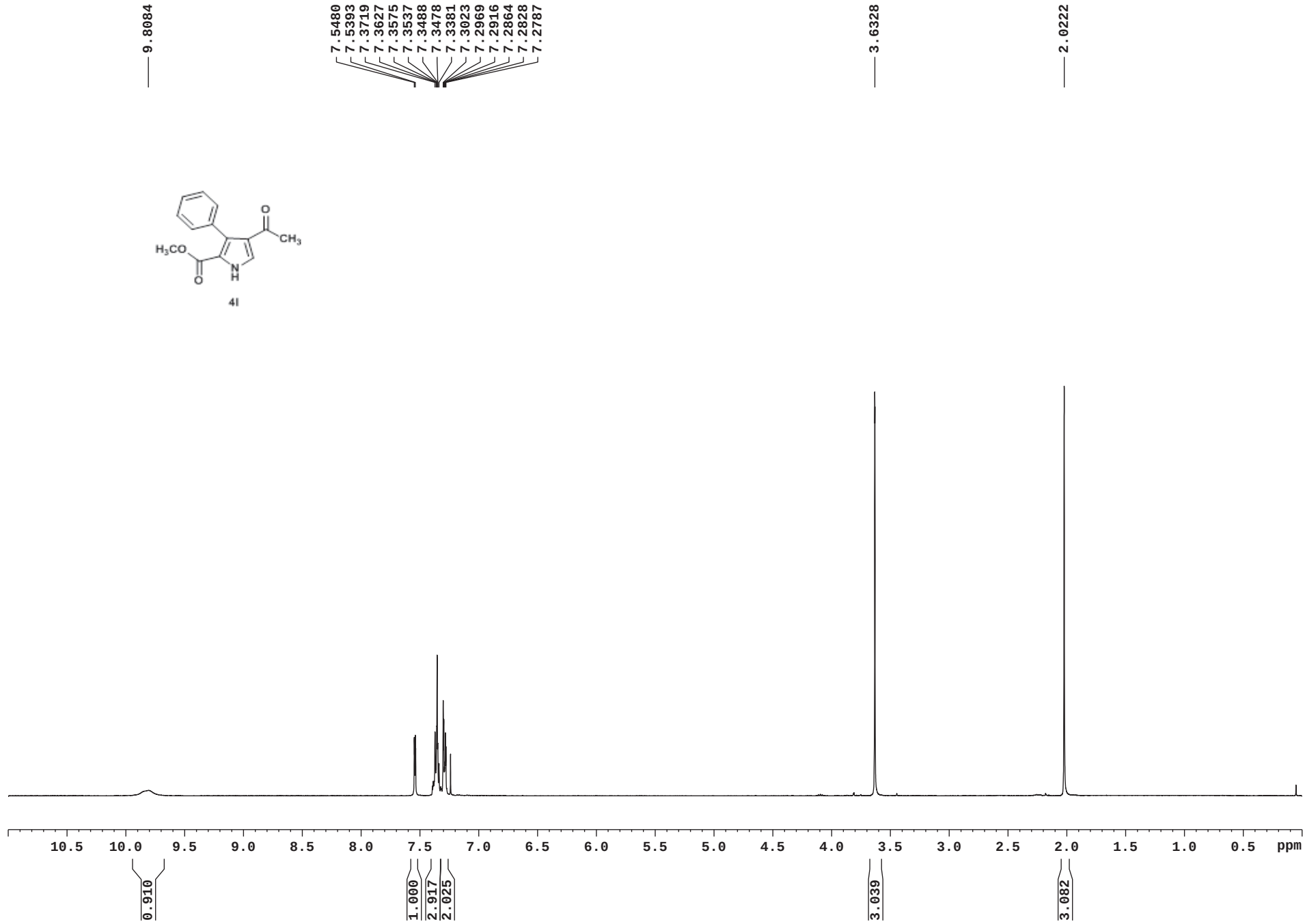


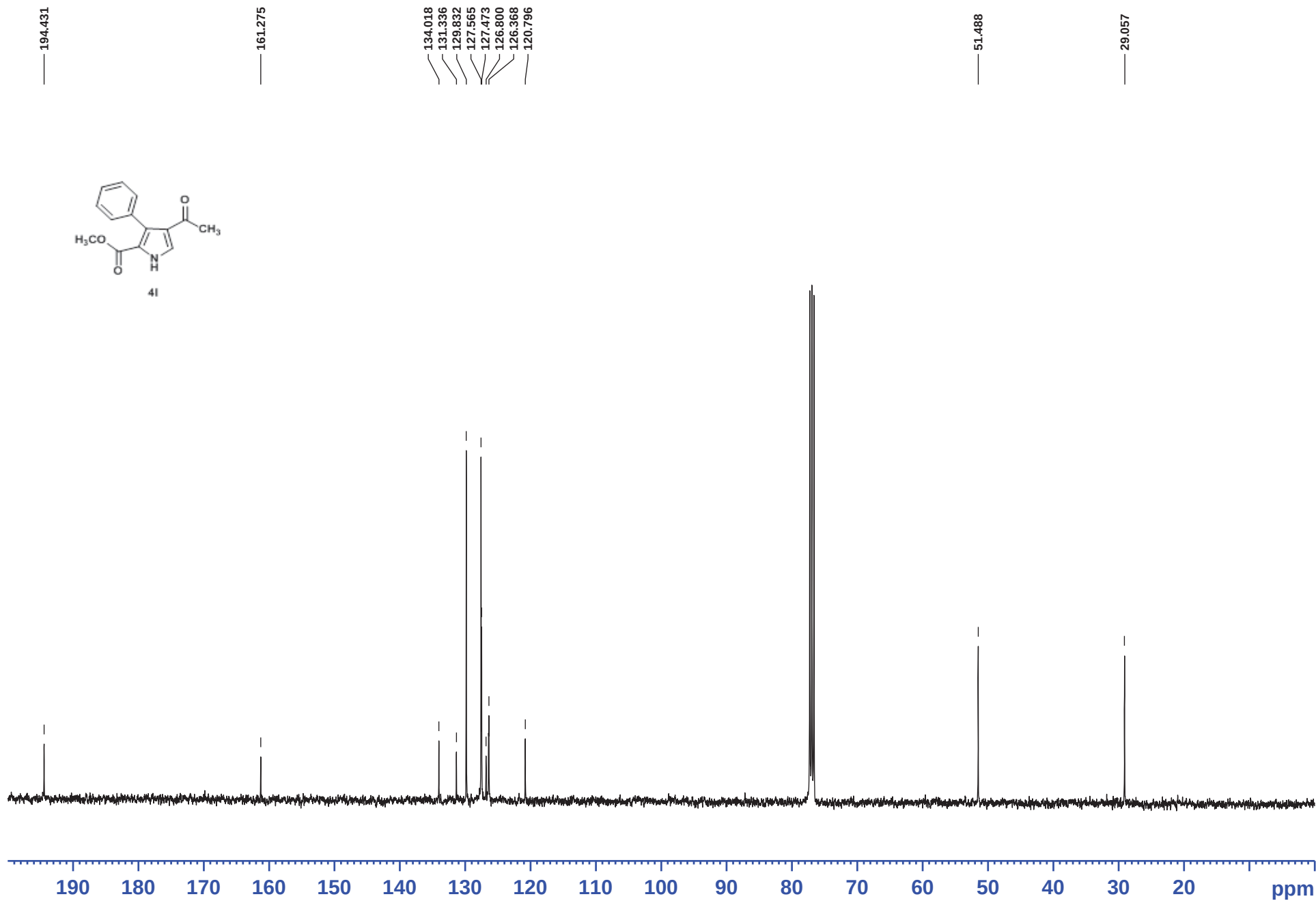


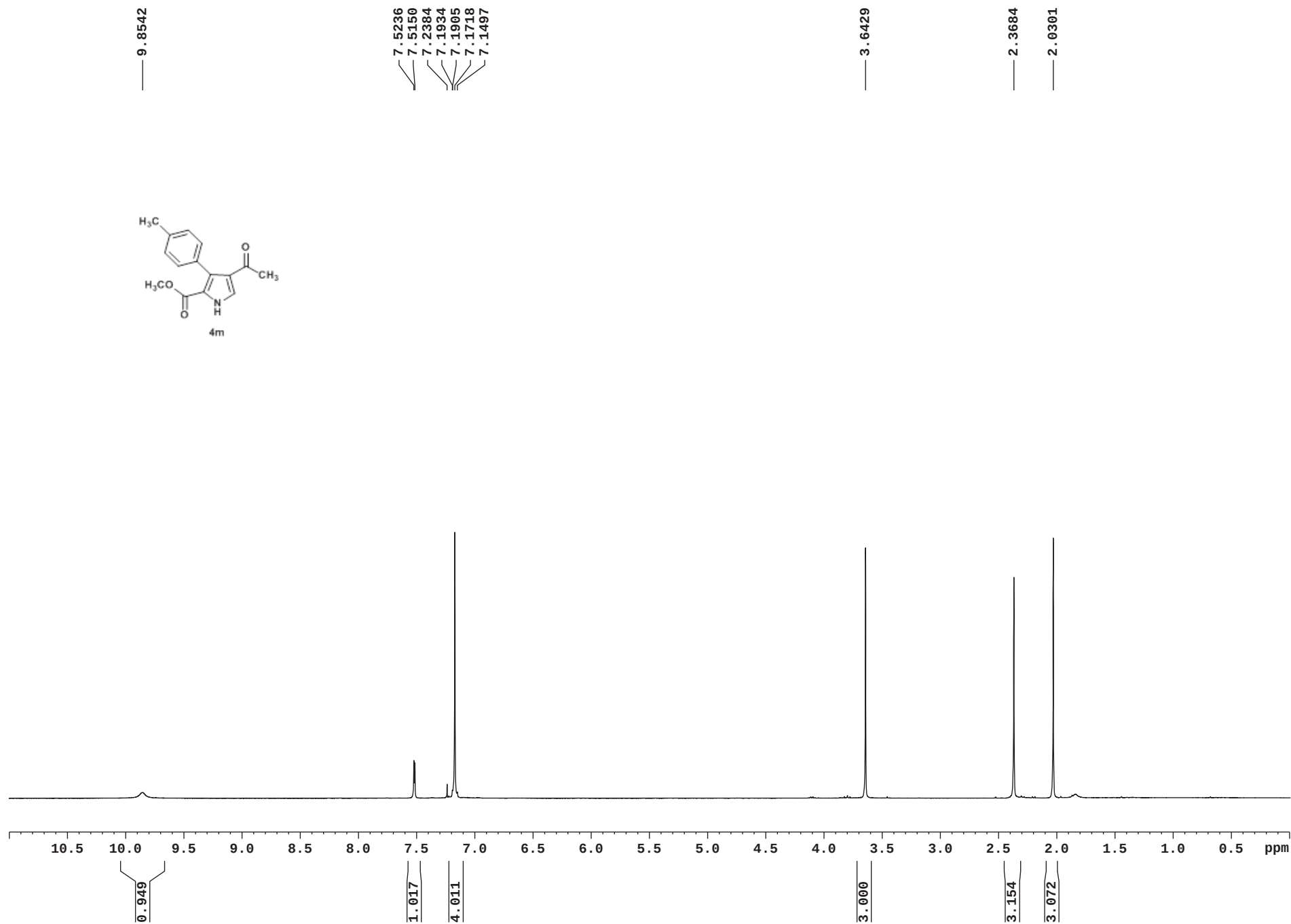
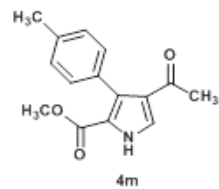


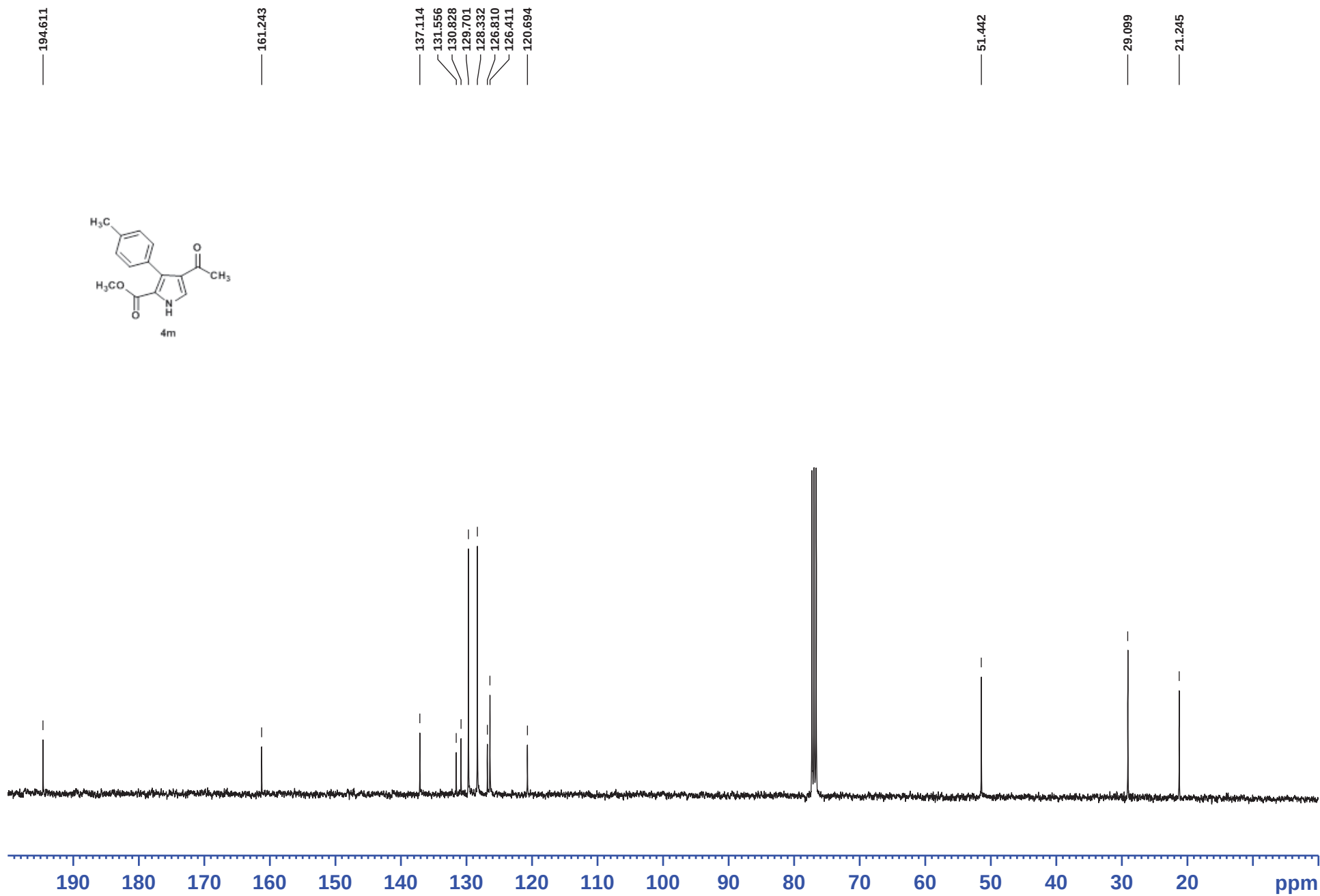
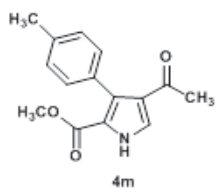


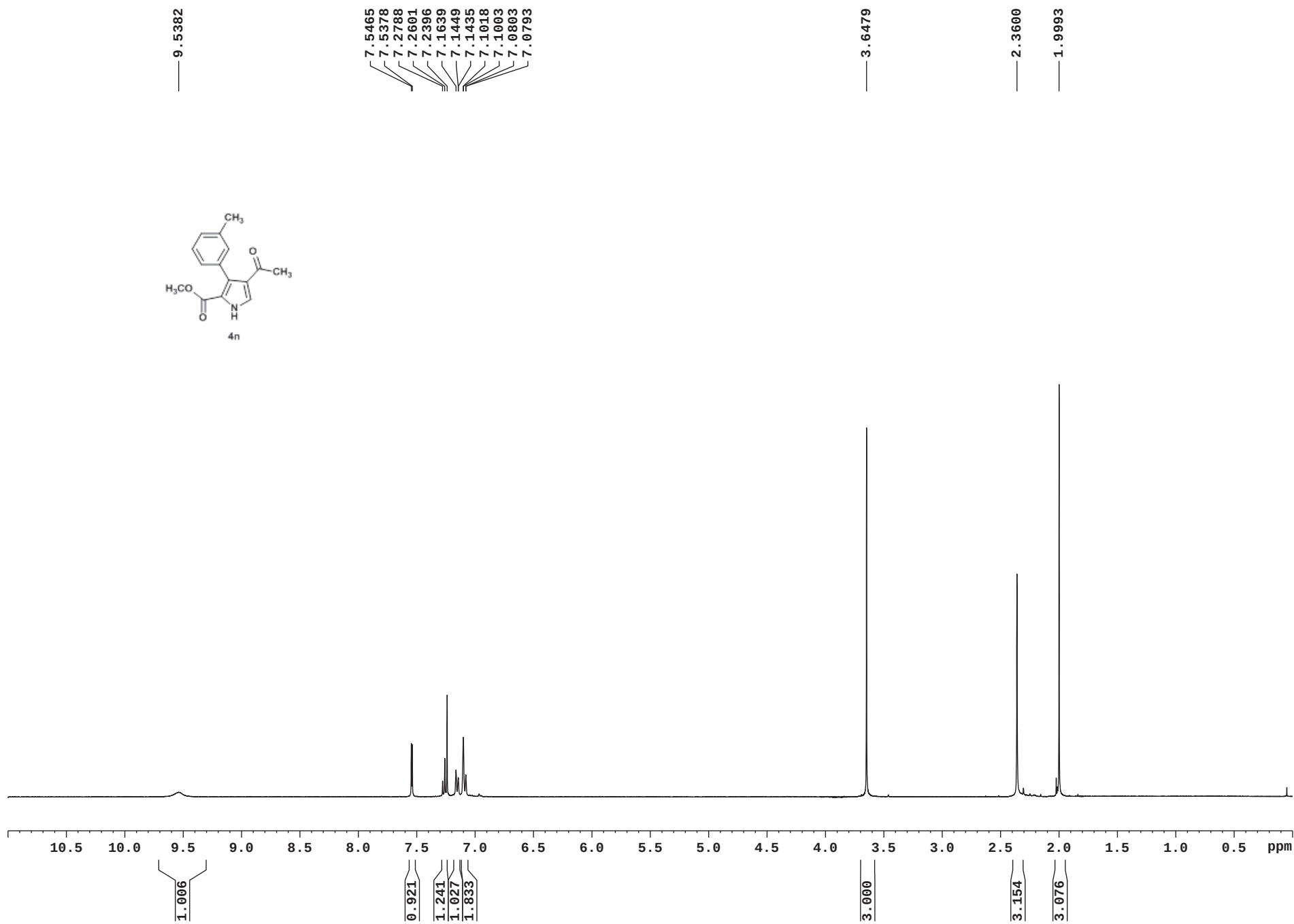
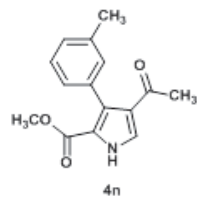


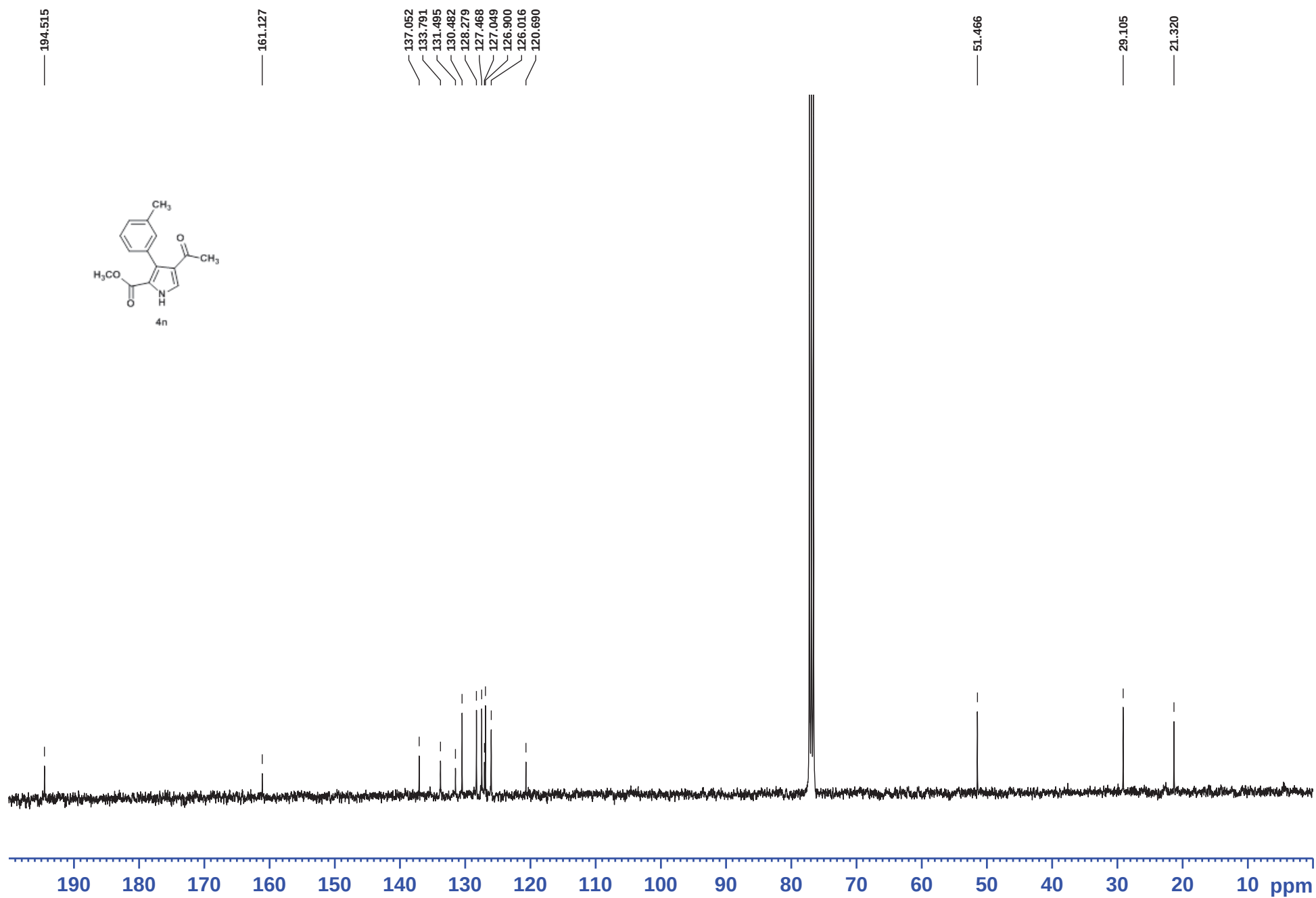
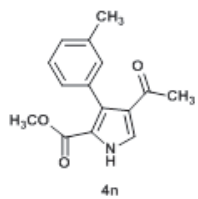


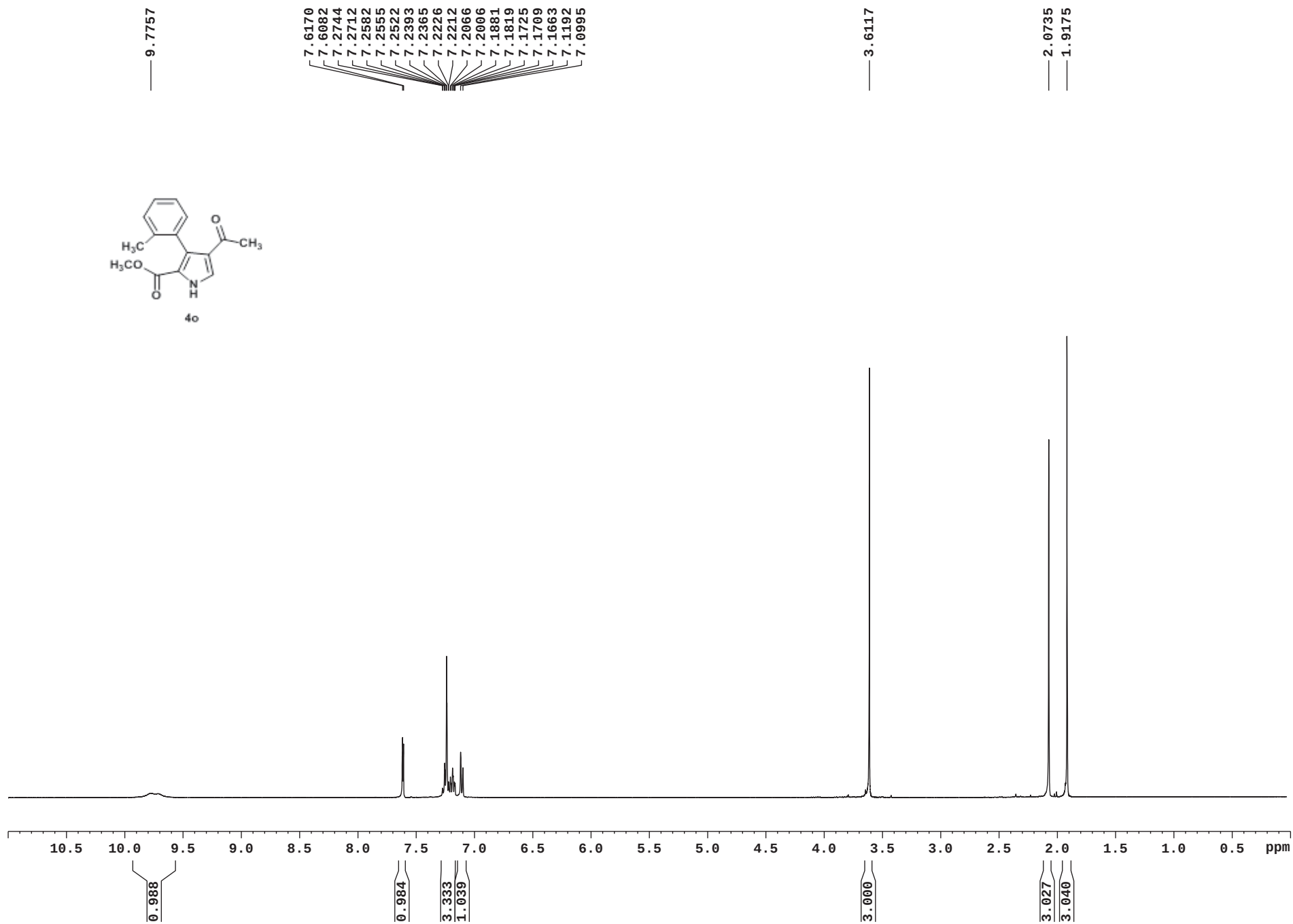
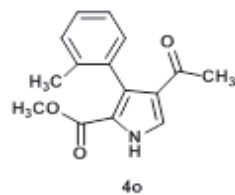


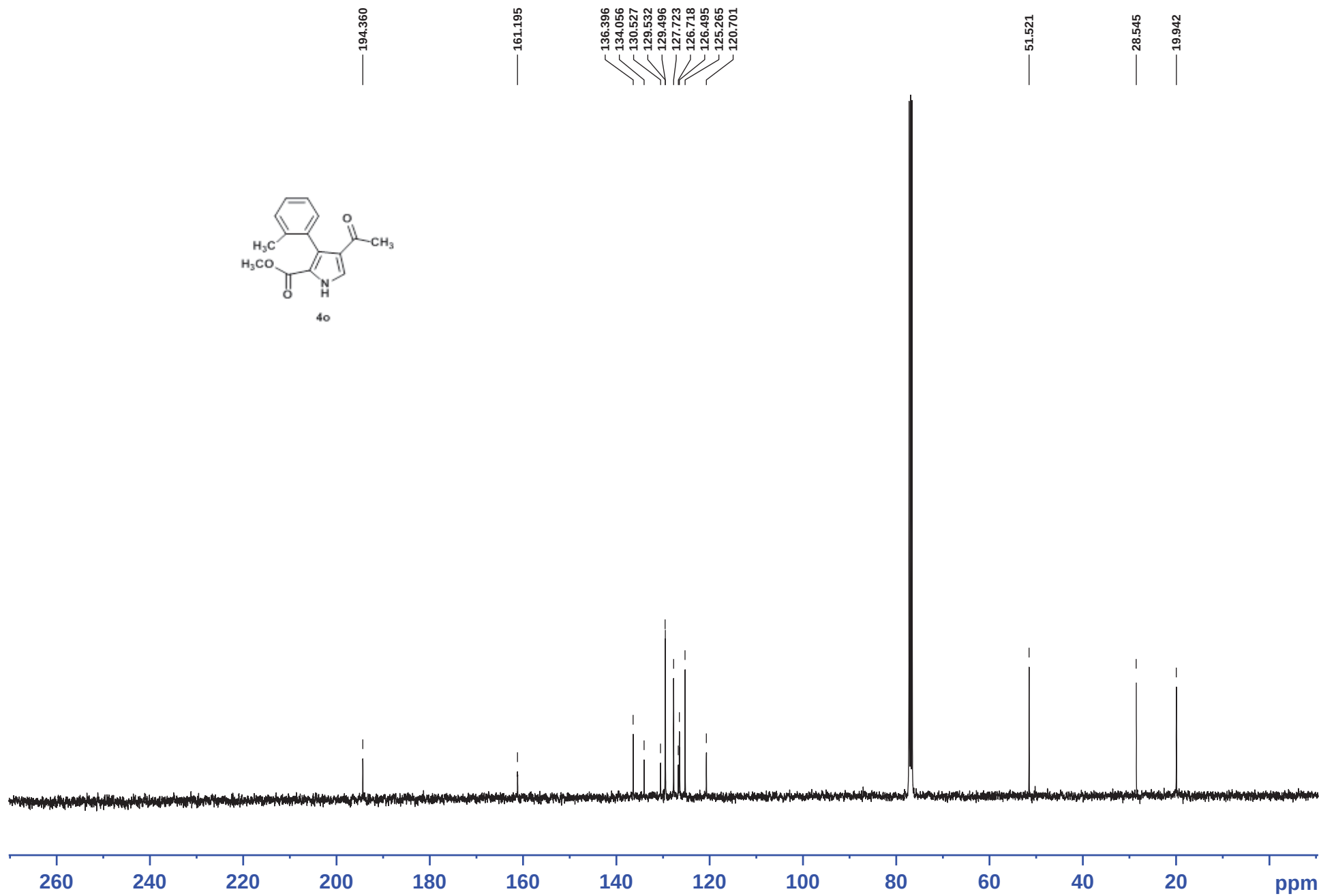
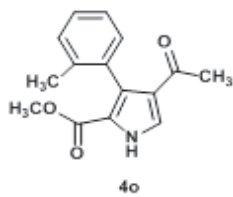


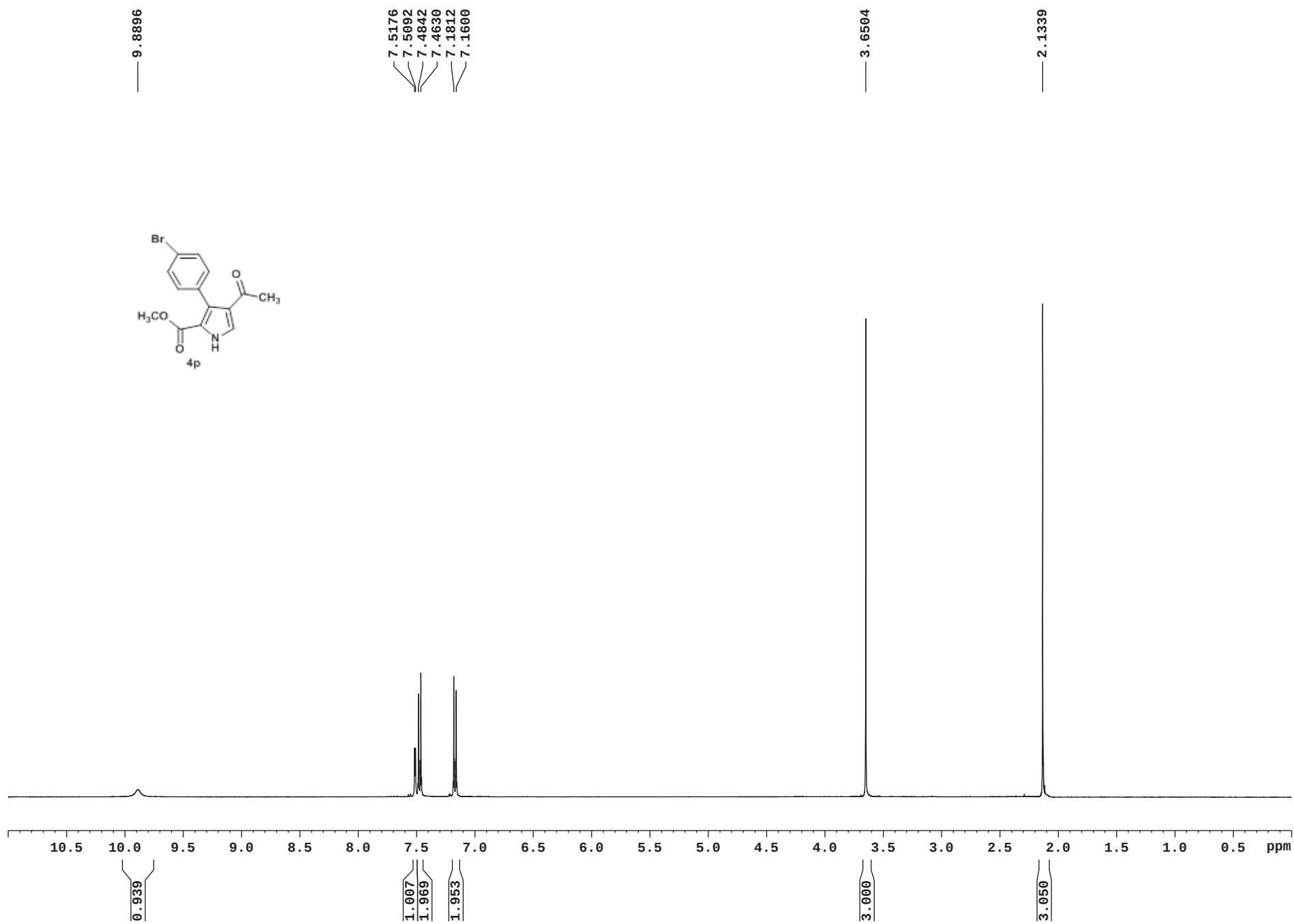
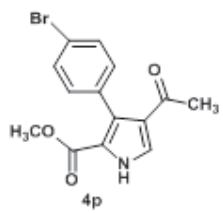


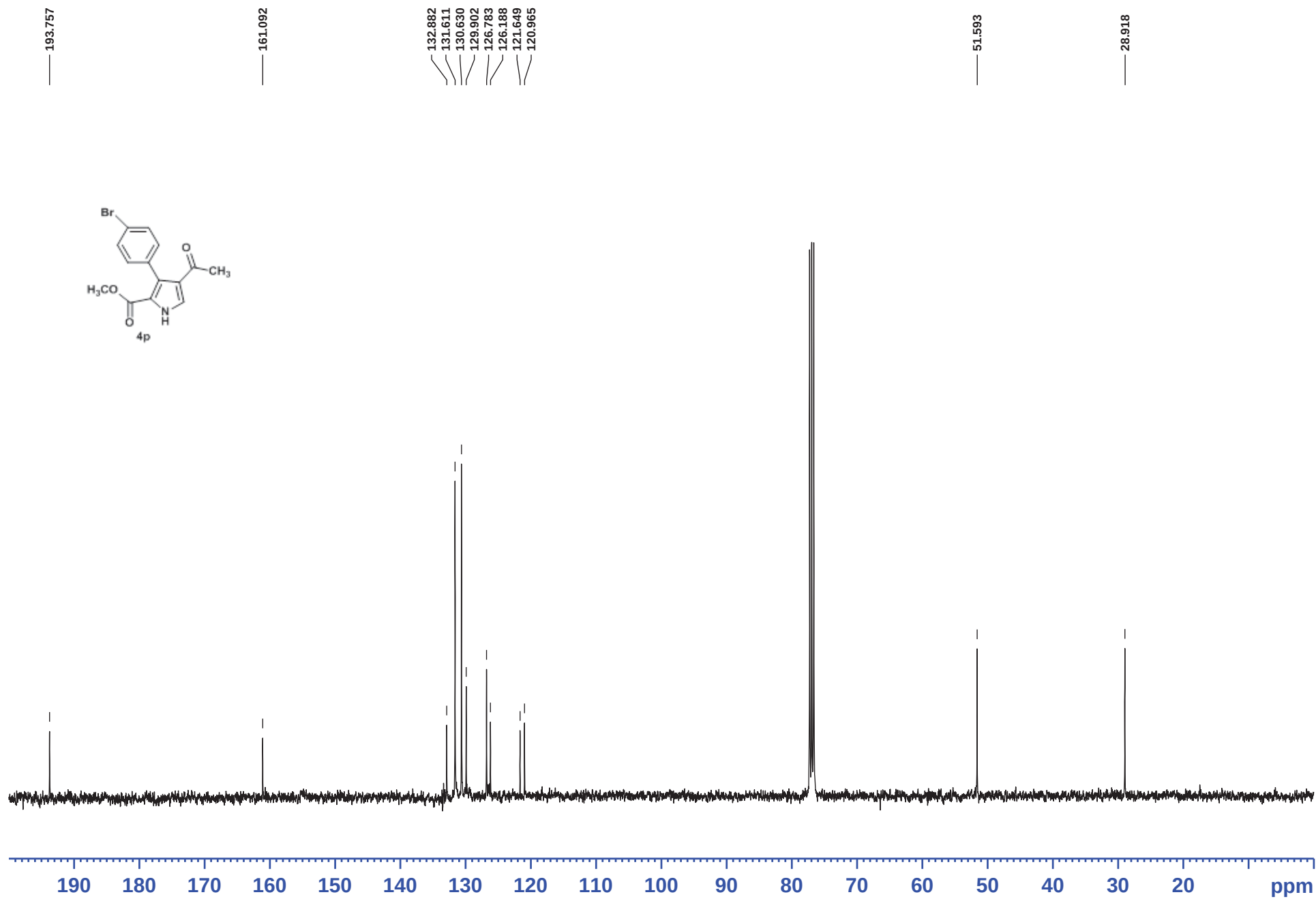
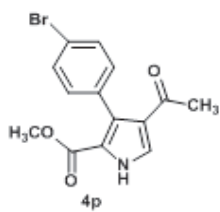


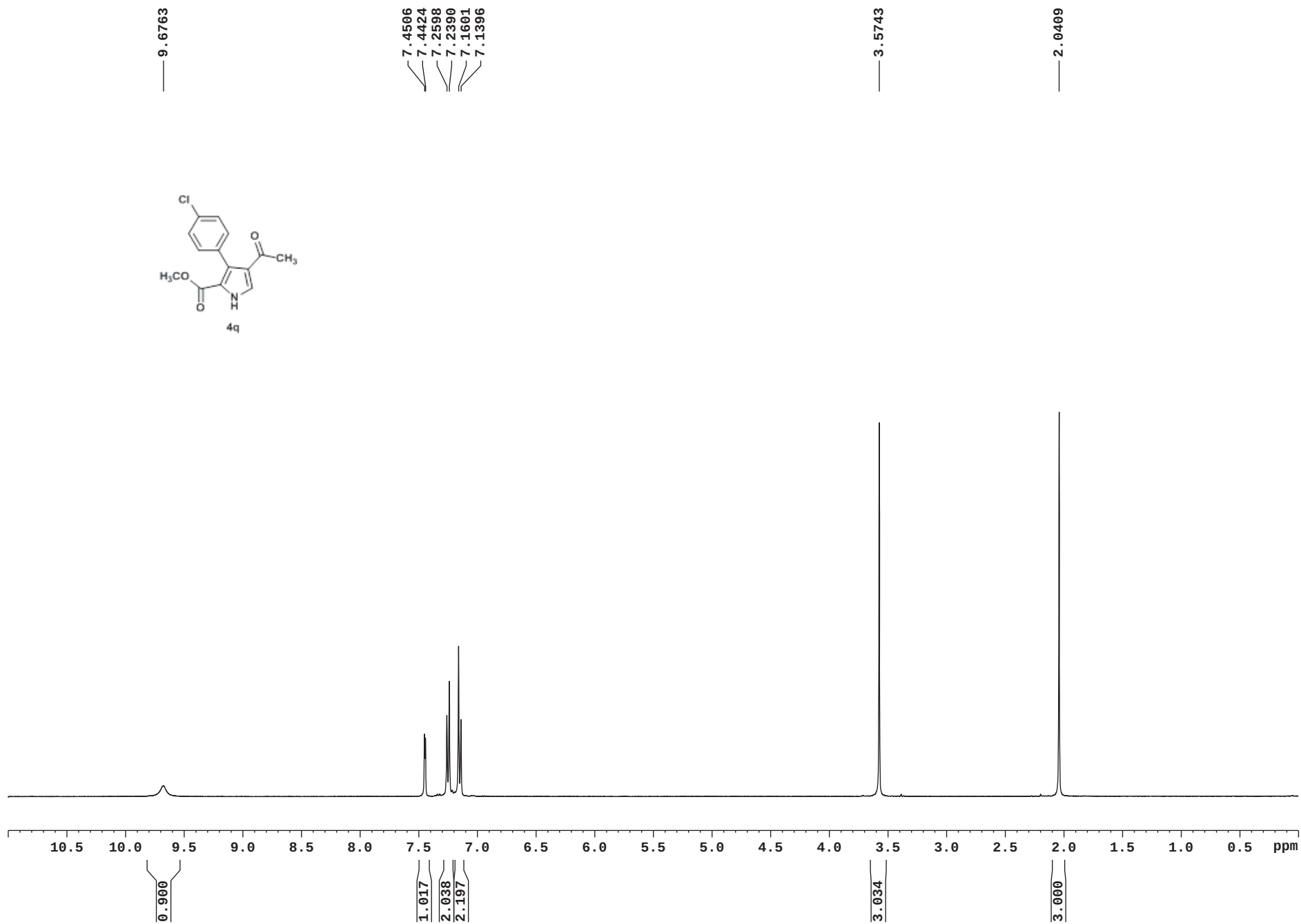
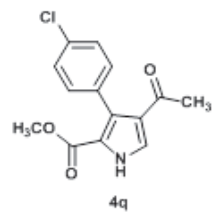


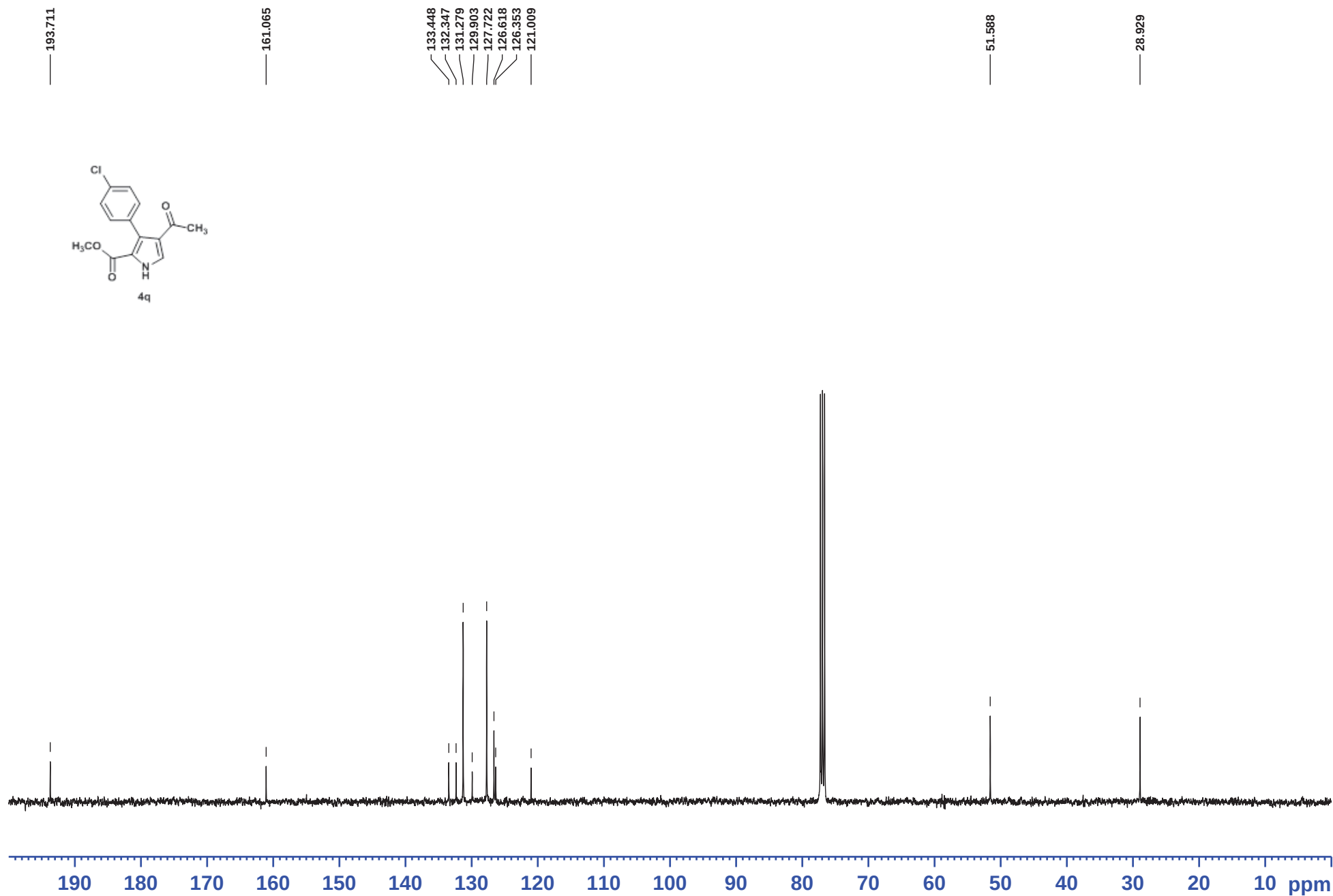
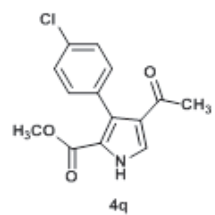


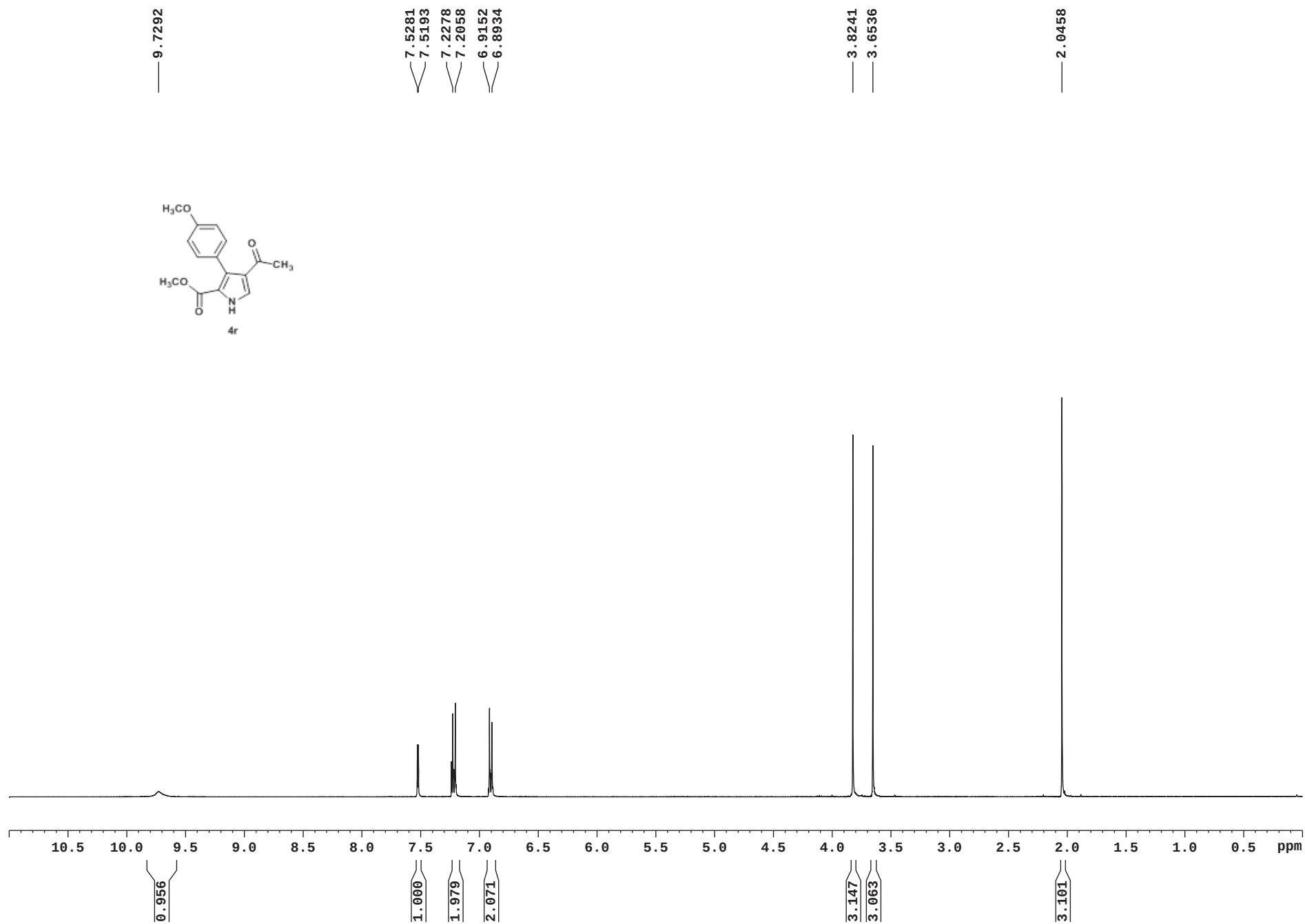
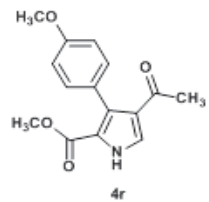


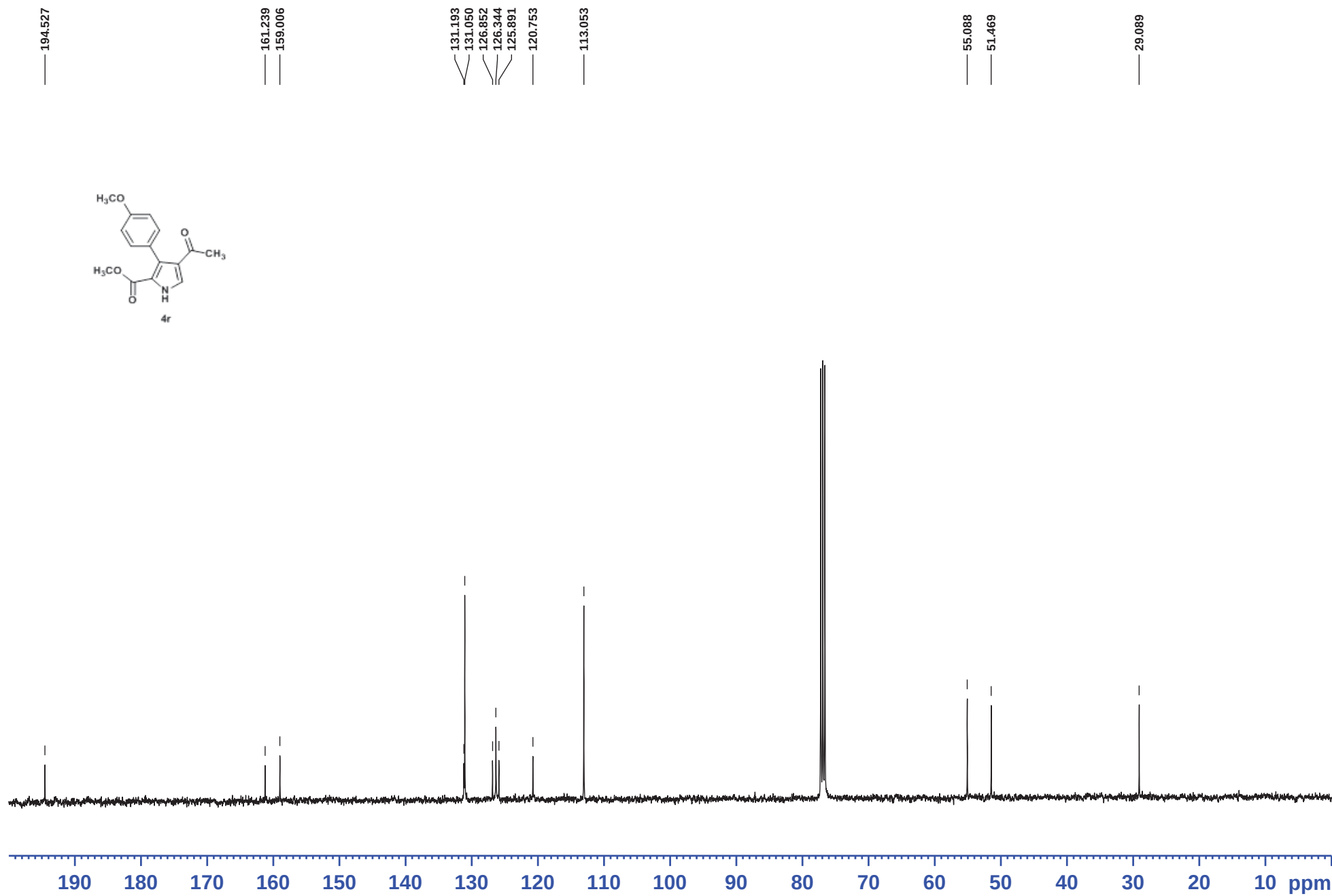
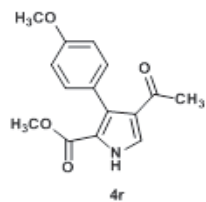


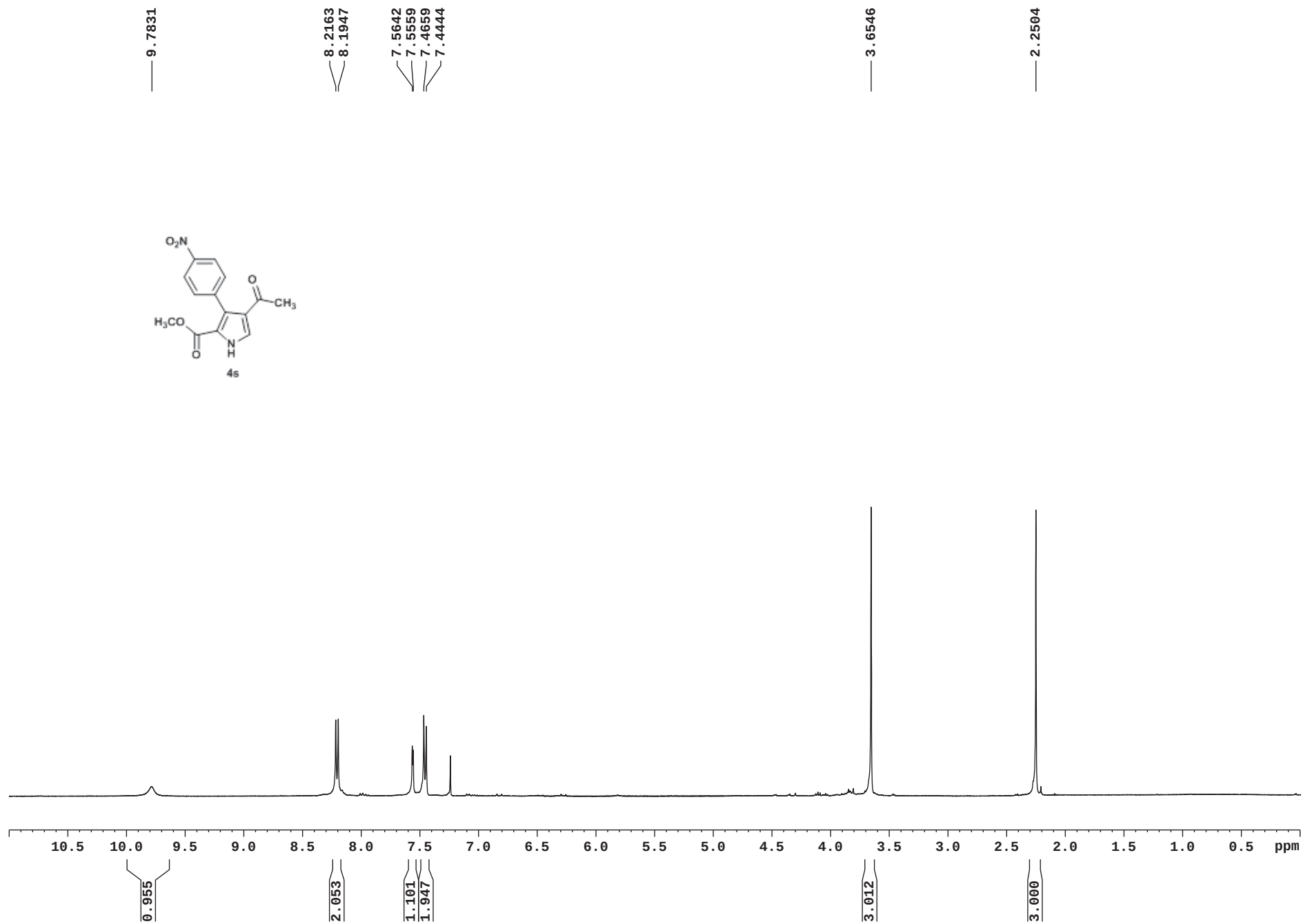
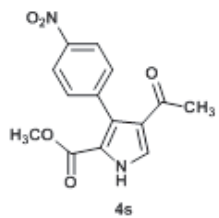


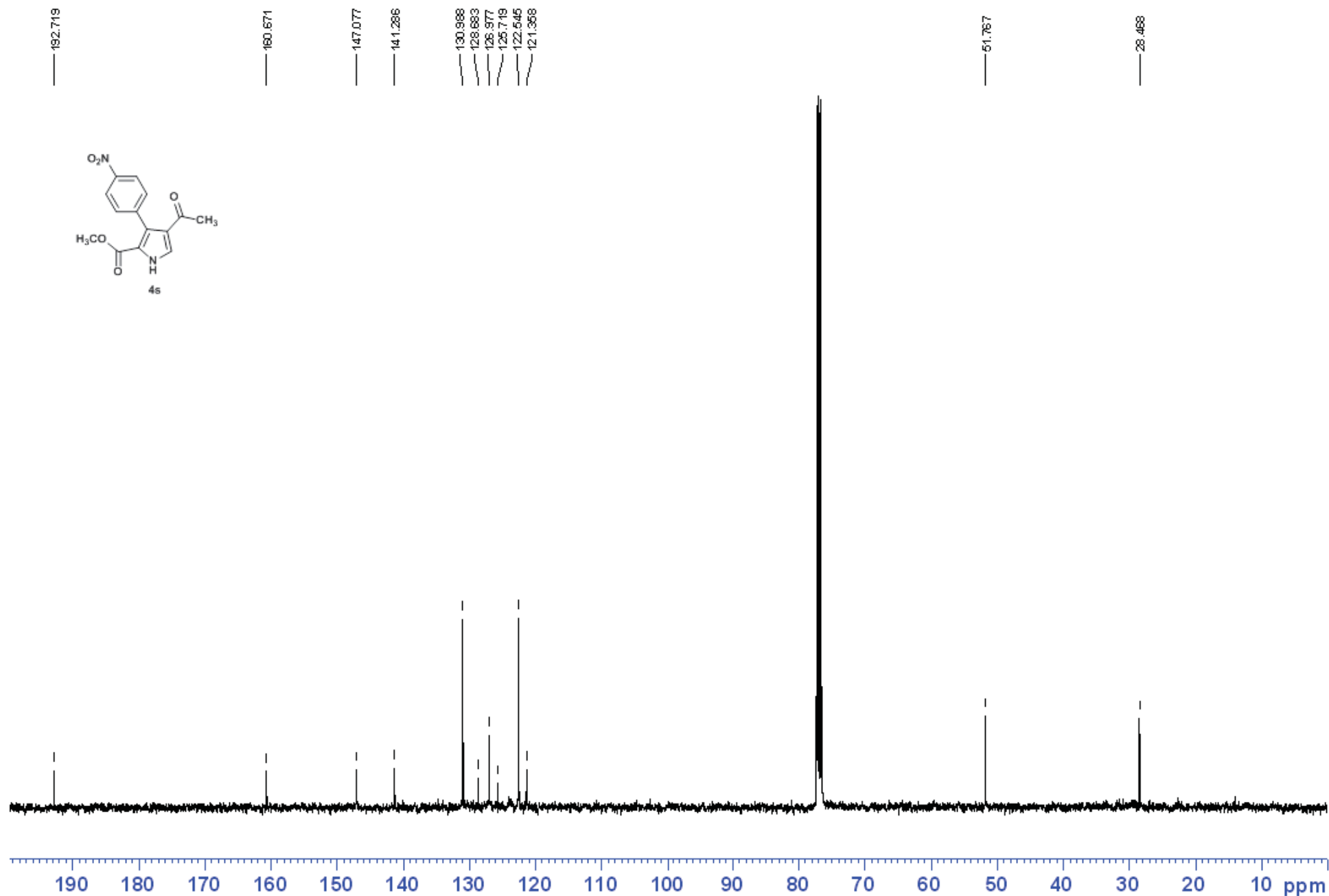
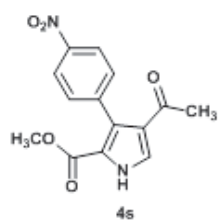


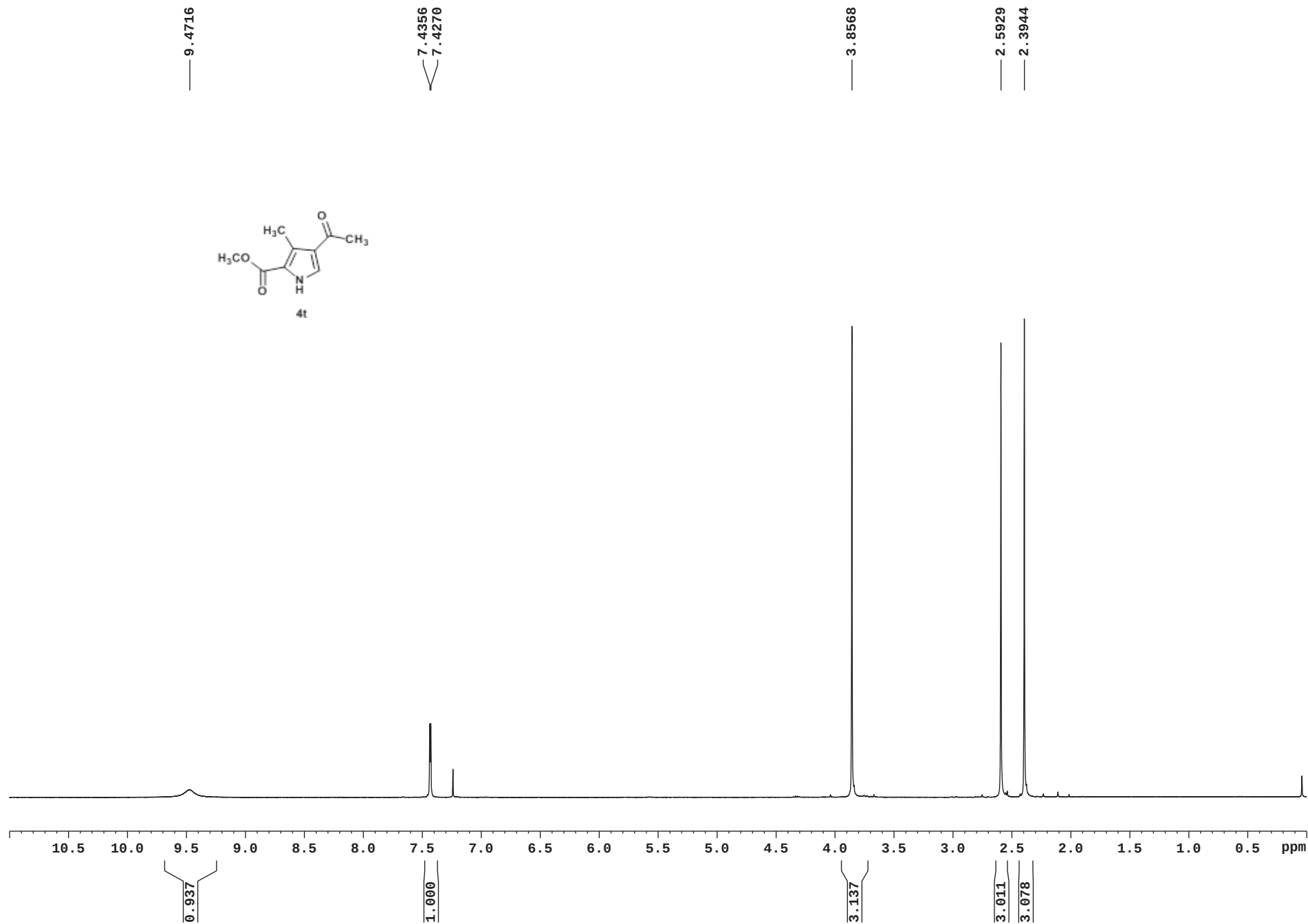
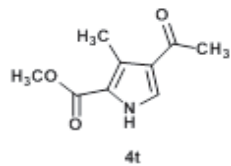


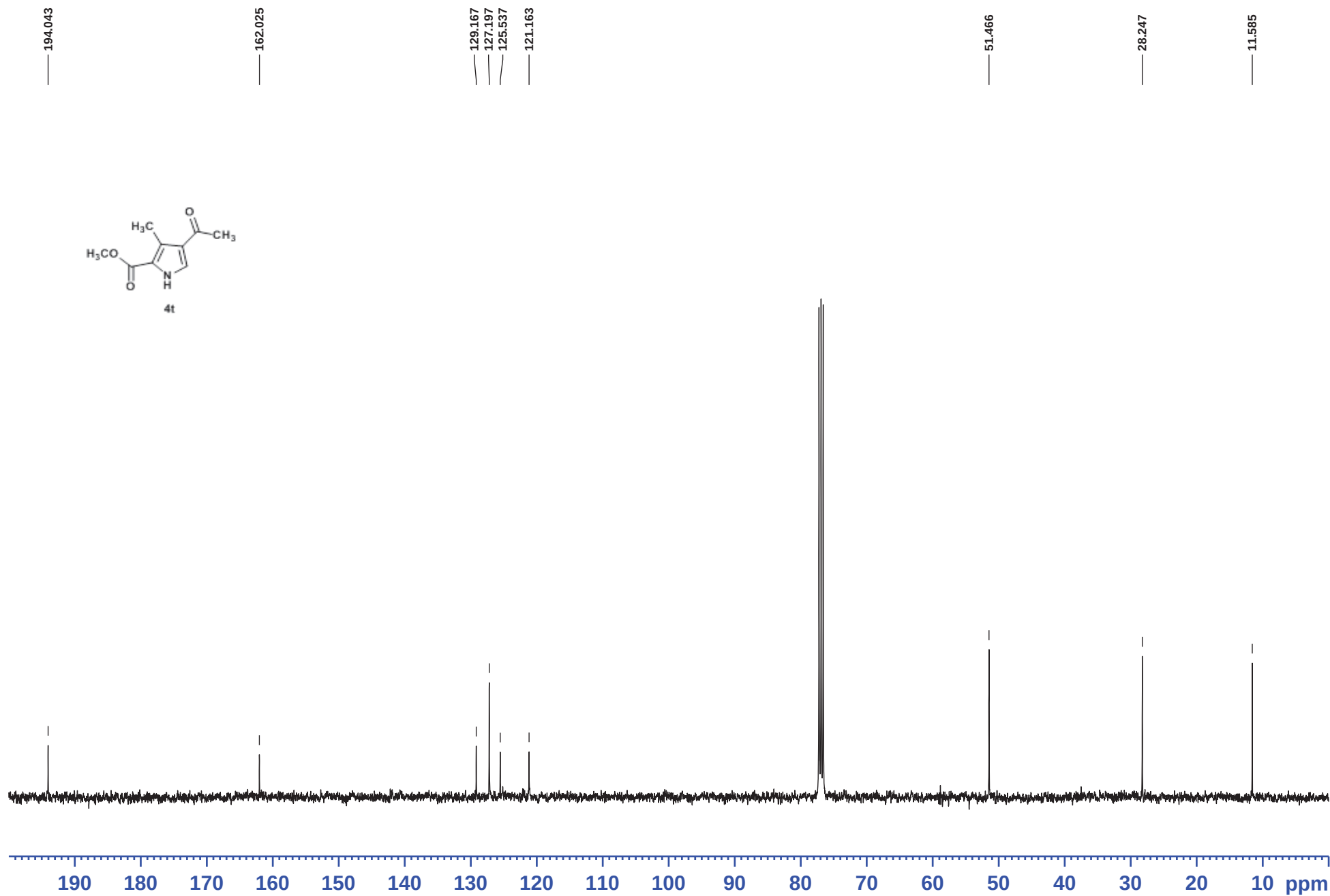
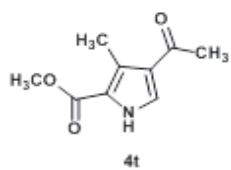


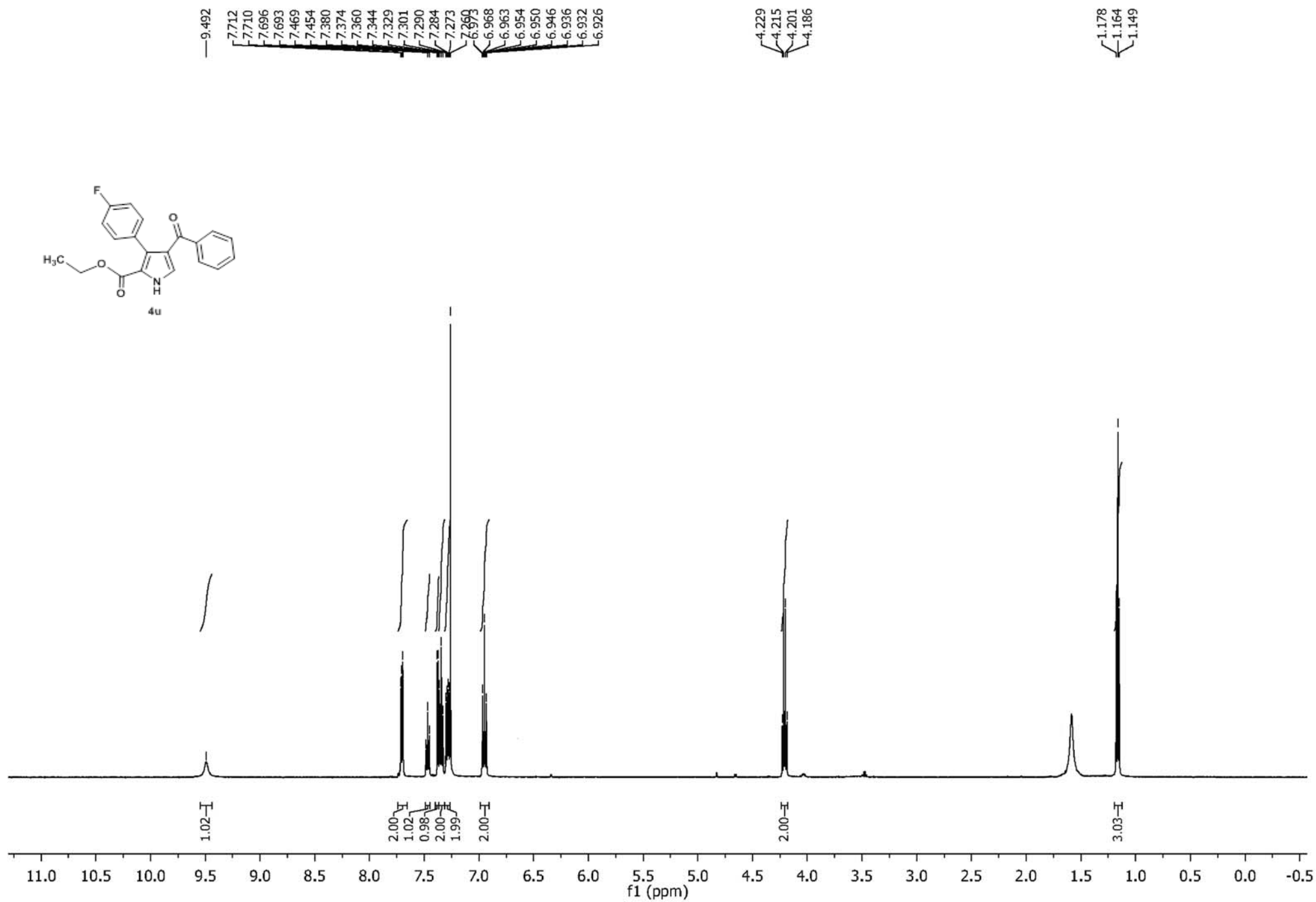
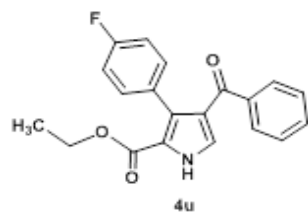


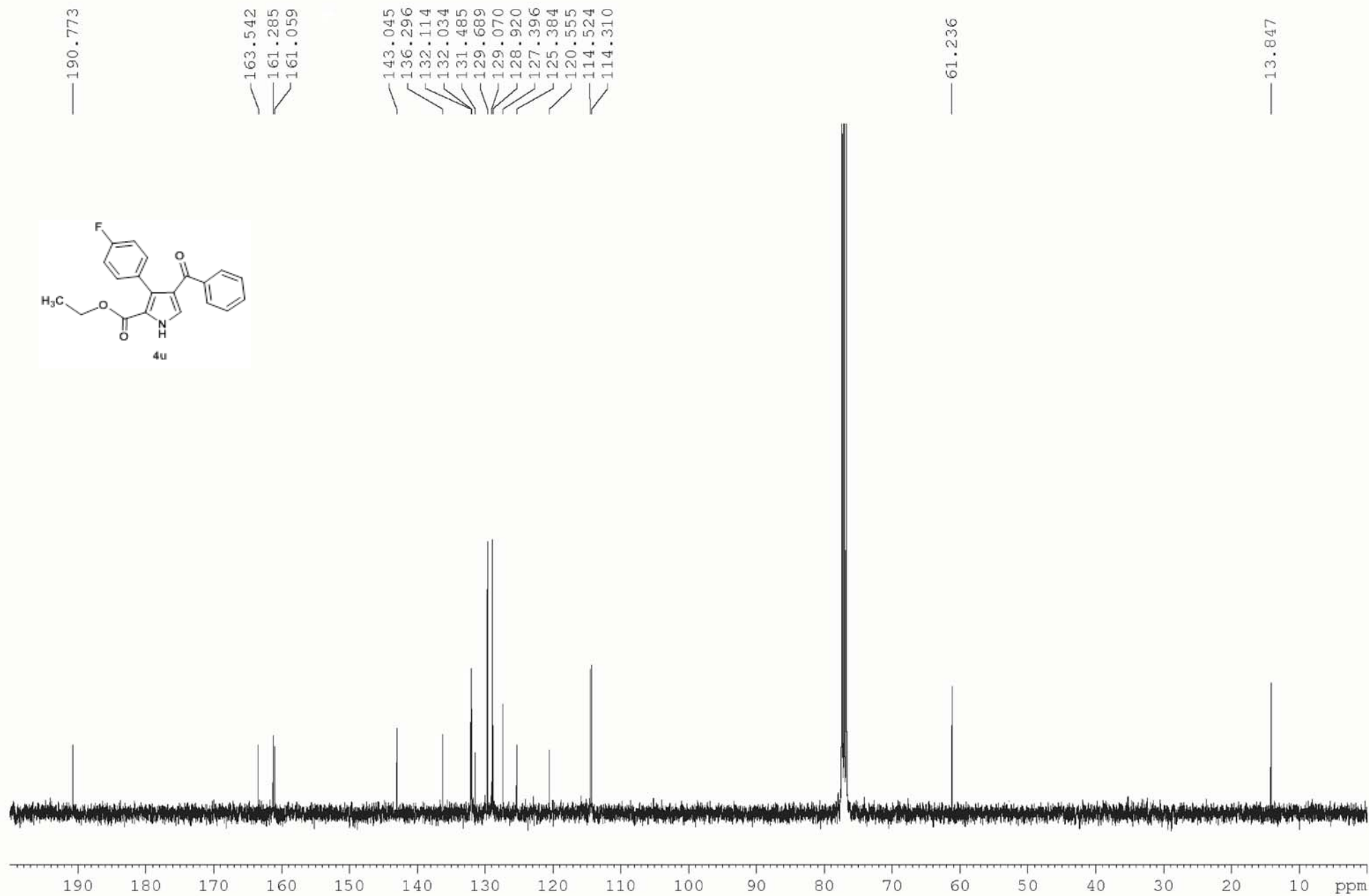
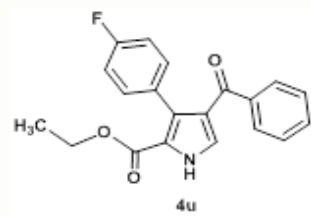


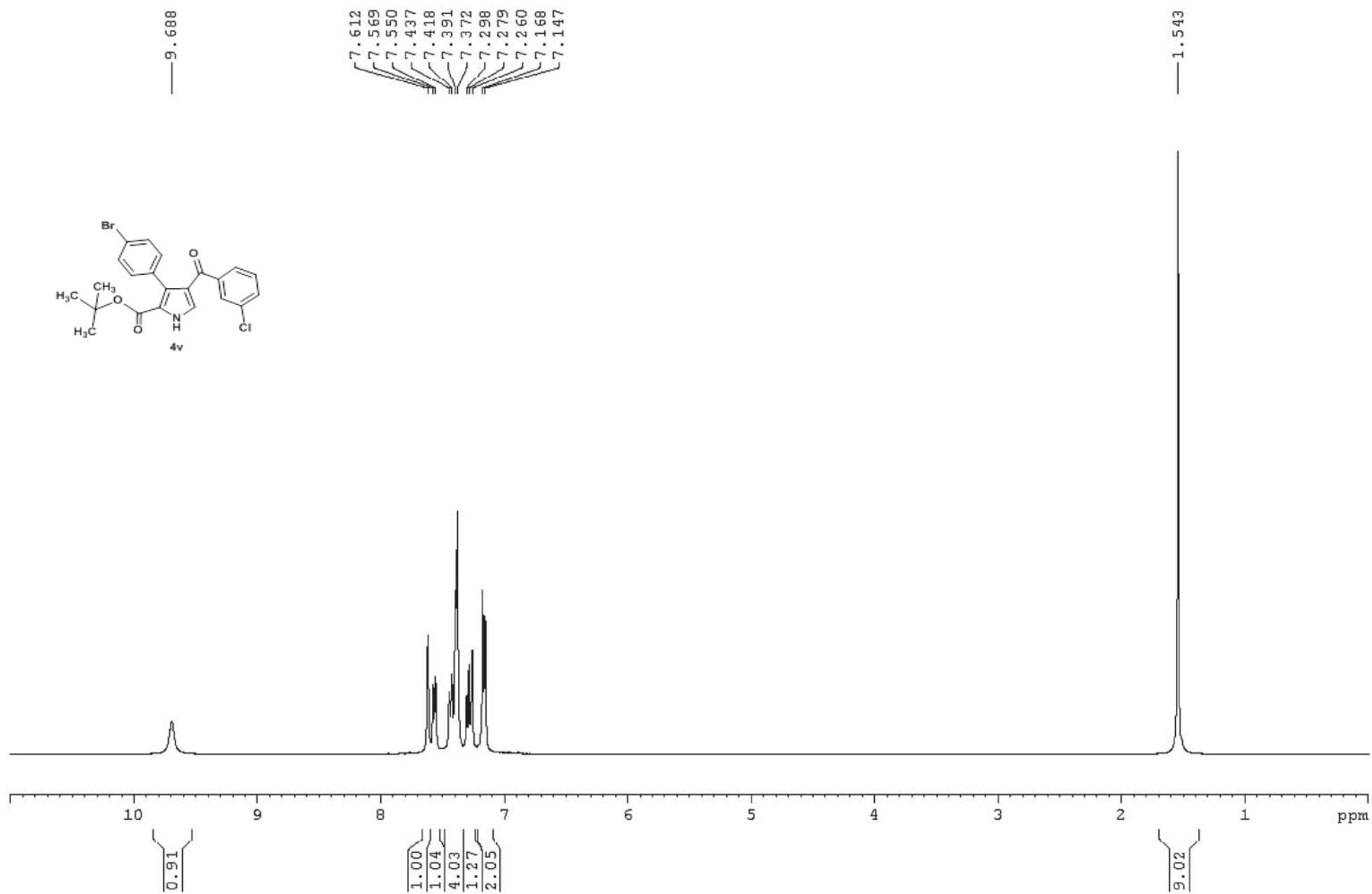
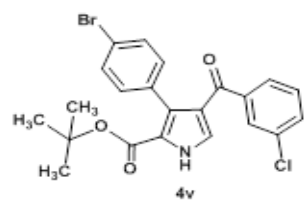


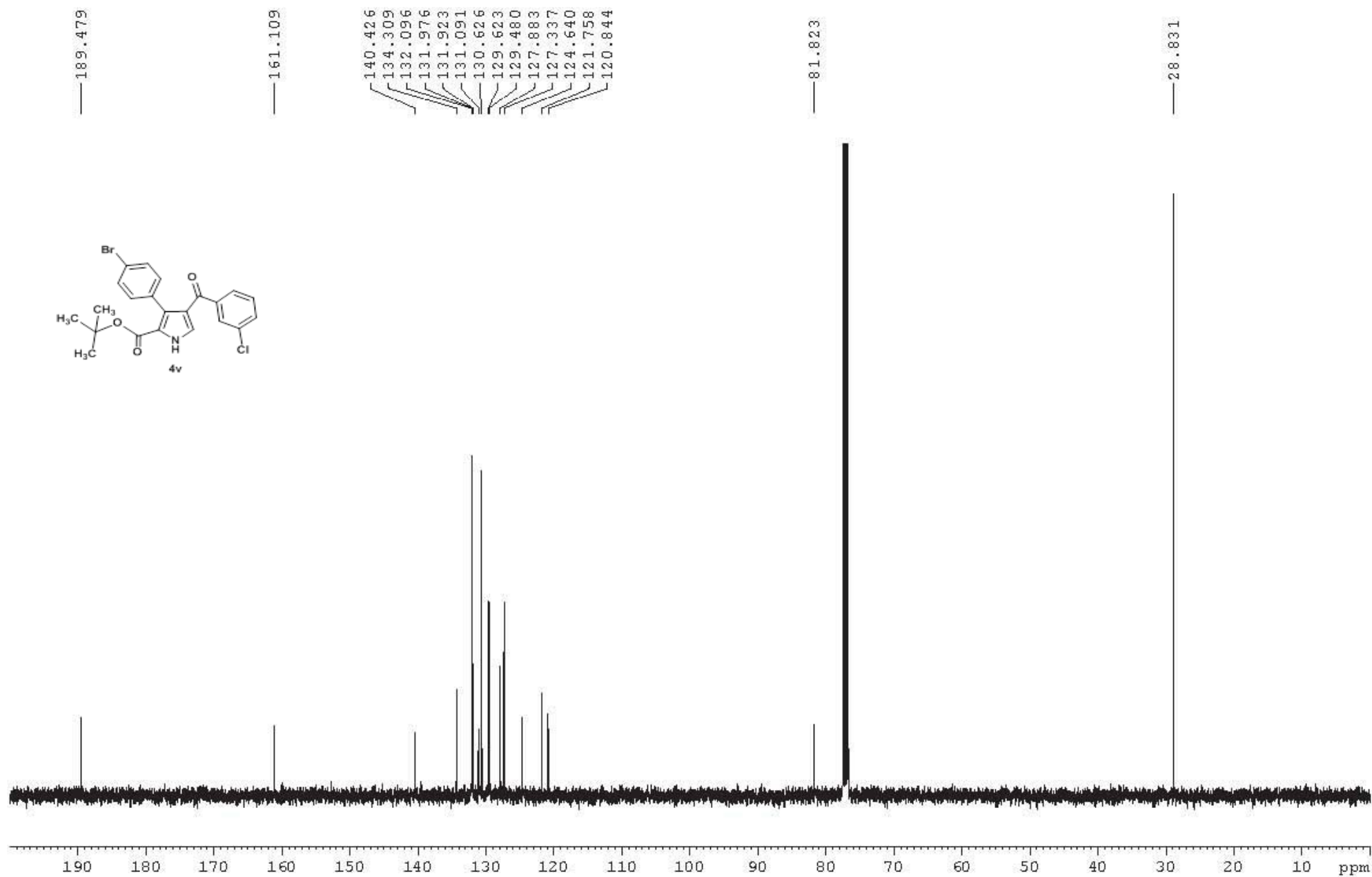
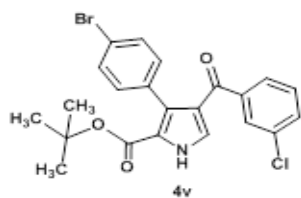


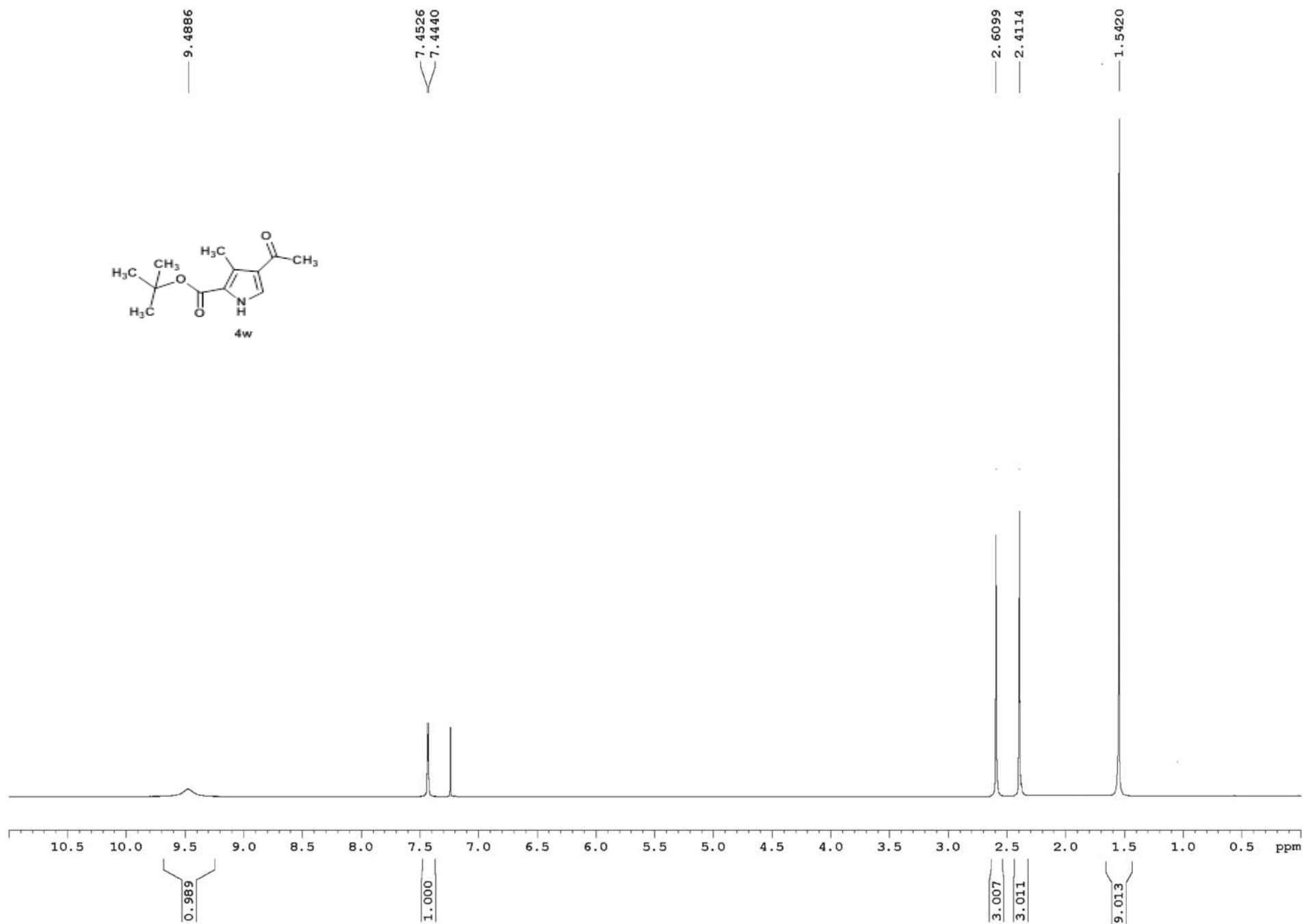
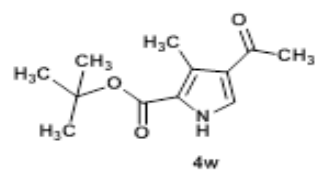


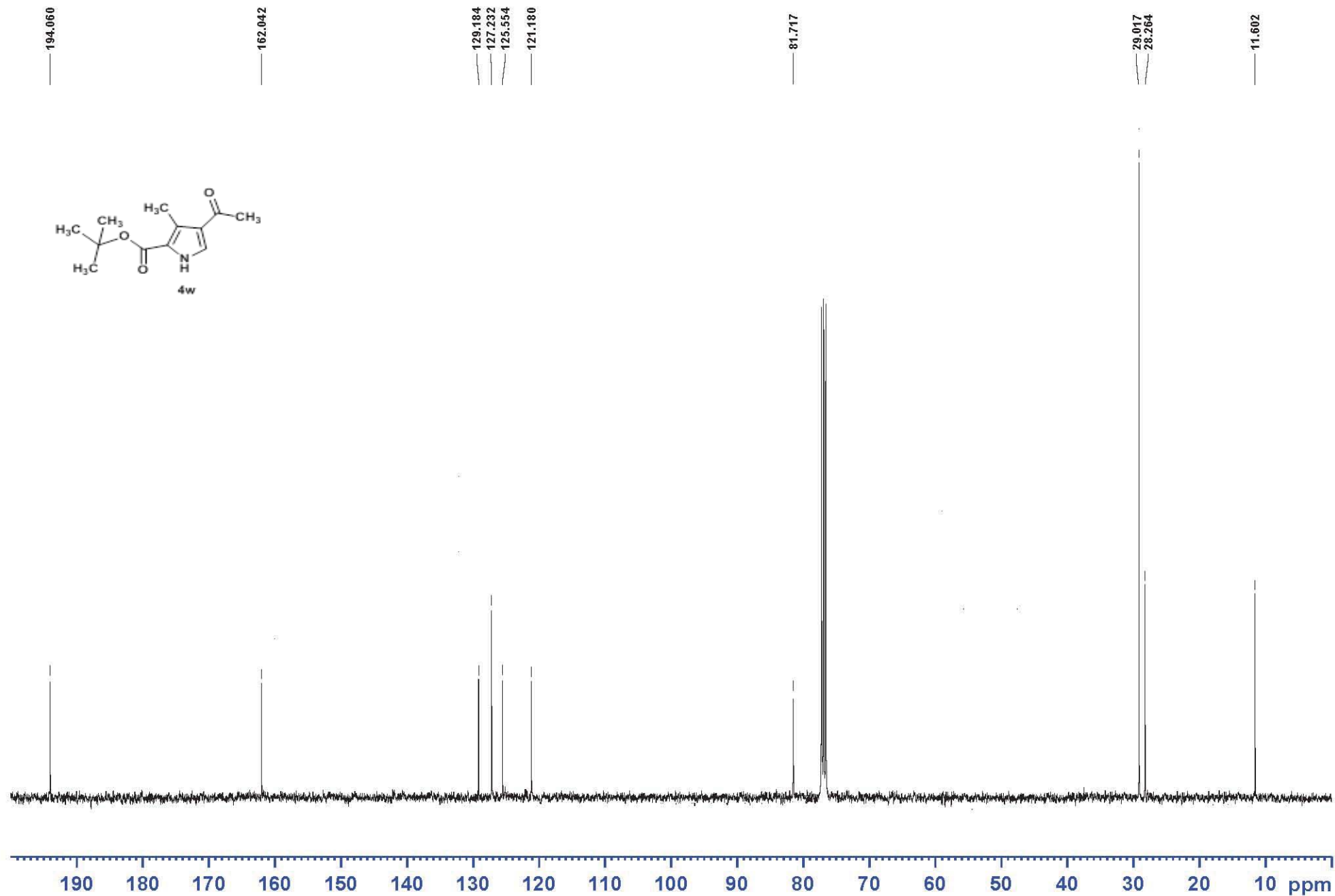
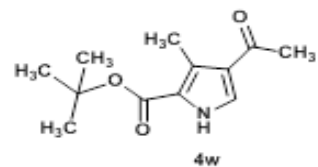


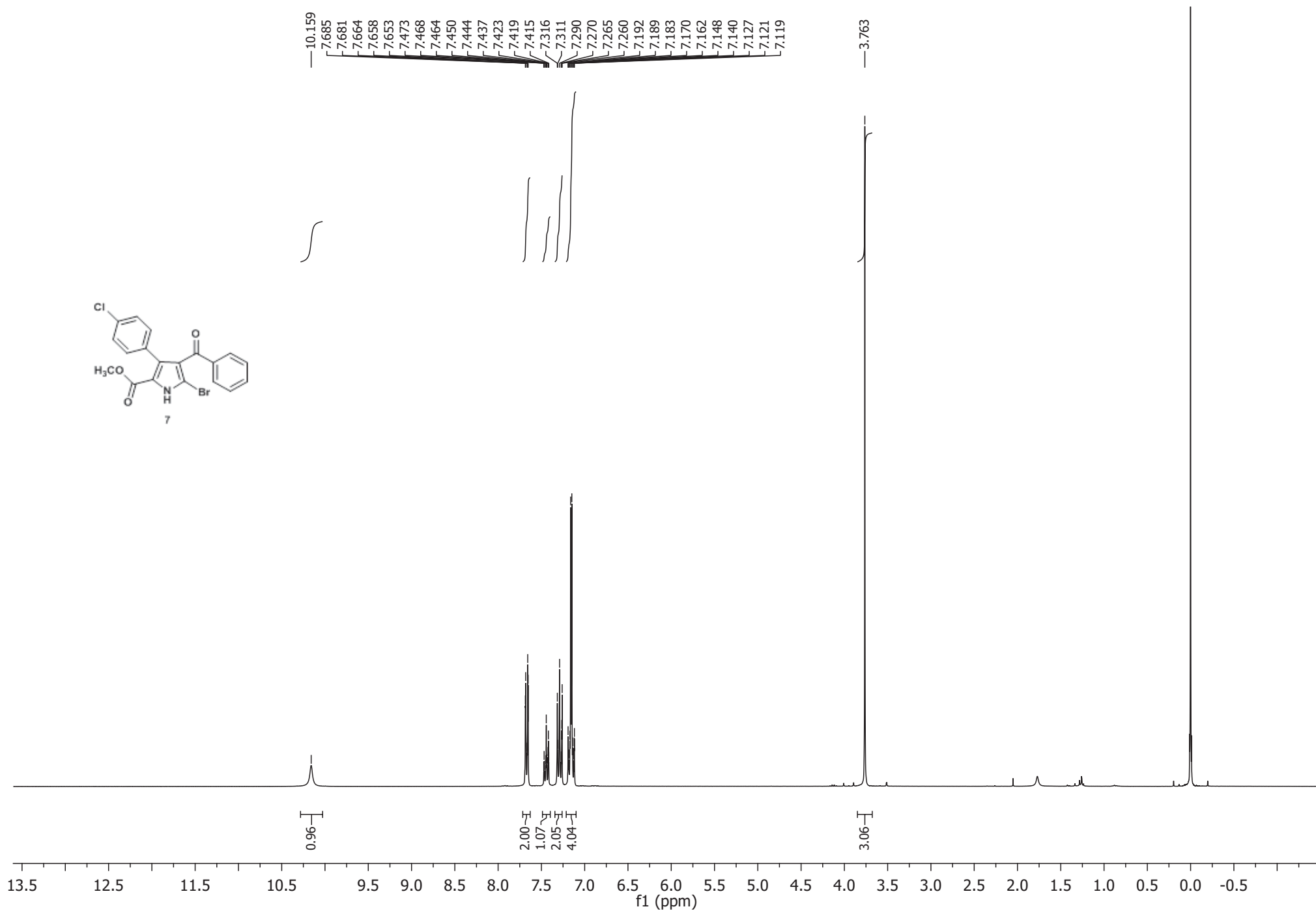
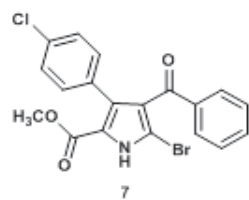


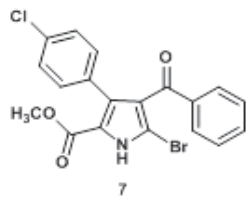












7

—070.143

—03-.404

—054.241
—055.43.
—055.057
—050.462
—050.374
—05-.662
—0.77.4
—0.65.5
—0.4650
—0.2-.65
—0.-.102

—0-4.603

44.265
44.03-
43.453

—2-.051

