

Supporting information for

**Green and efficient construction of chromeno[3,4-*c*]pyrrole core *via*
Barton-Zard reaction from 3-nitro-2*H*-chromenes and
ethyl isocyanoacetate**

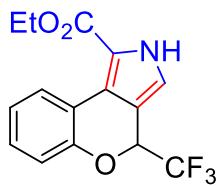
Ivan A. Kochnev, Alexey Y. Barkov, Nikolay S. Zimnitskiy, Vladislav Y. Korotaev* and
Vyacheslav Y. Sosnovskikh*

Institute of Natural Sciences and Mathematics, Ural Federal University, 51 Lenina Ave.,
620000 Ekaterinburg, Russian Federation

E-mail: korotev.vladislav@urfu.ru, vy.sosnovskikh@urfu.ru

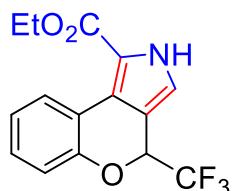
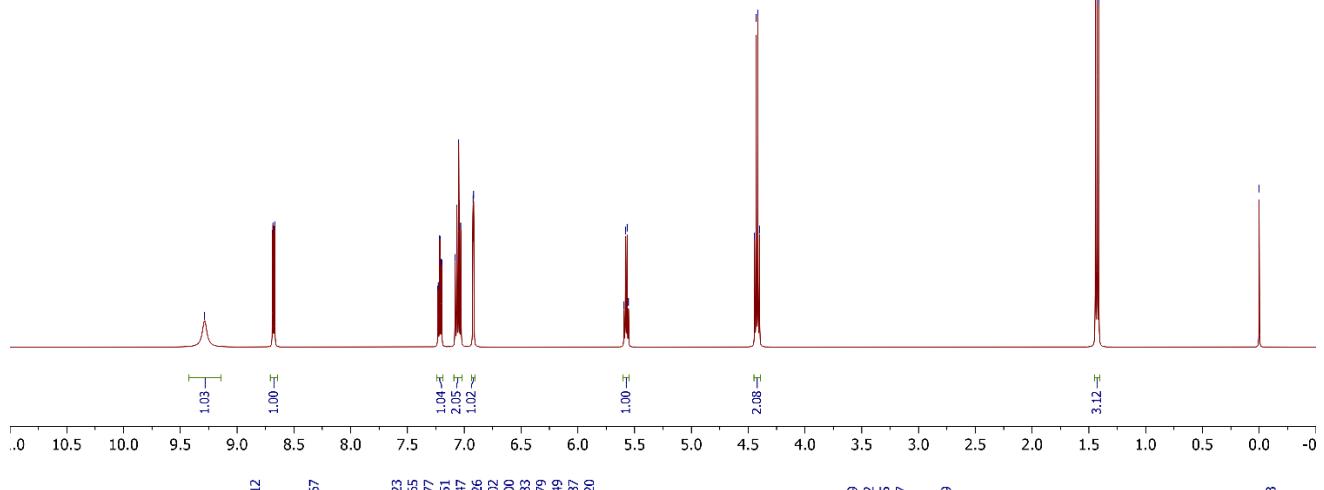
Table of Contents

- | | |
|--|--------|
| 1. Copies of ^1H and ^{13}C NMR spectra of synthesized compounds | S2–S32 |
|--|--------|



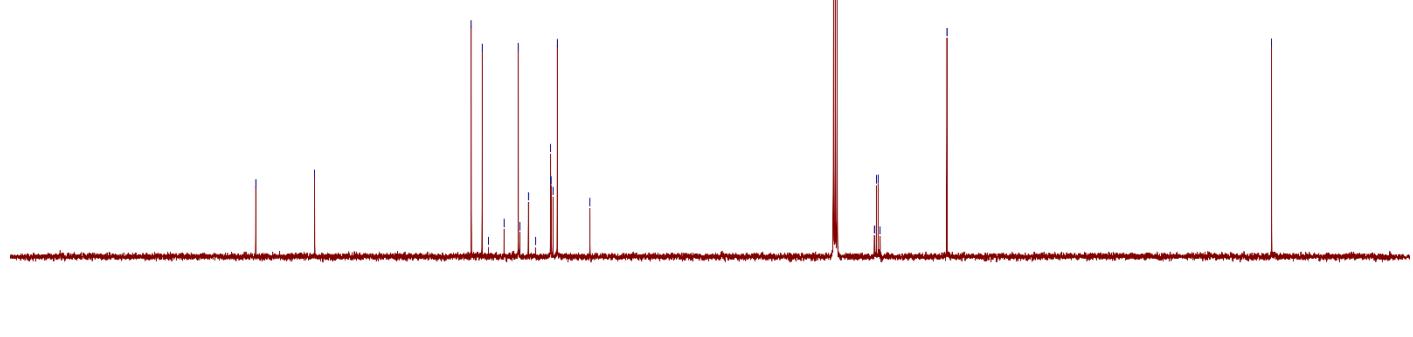
12aa

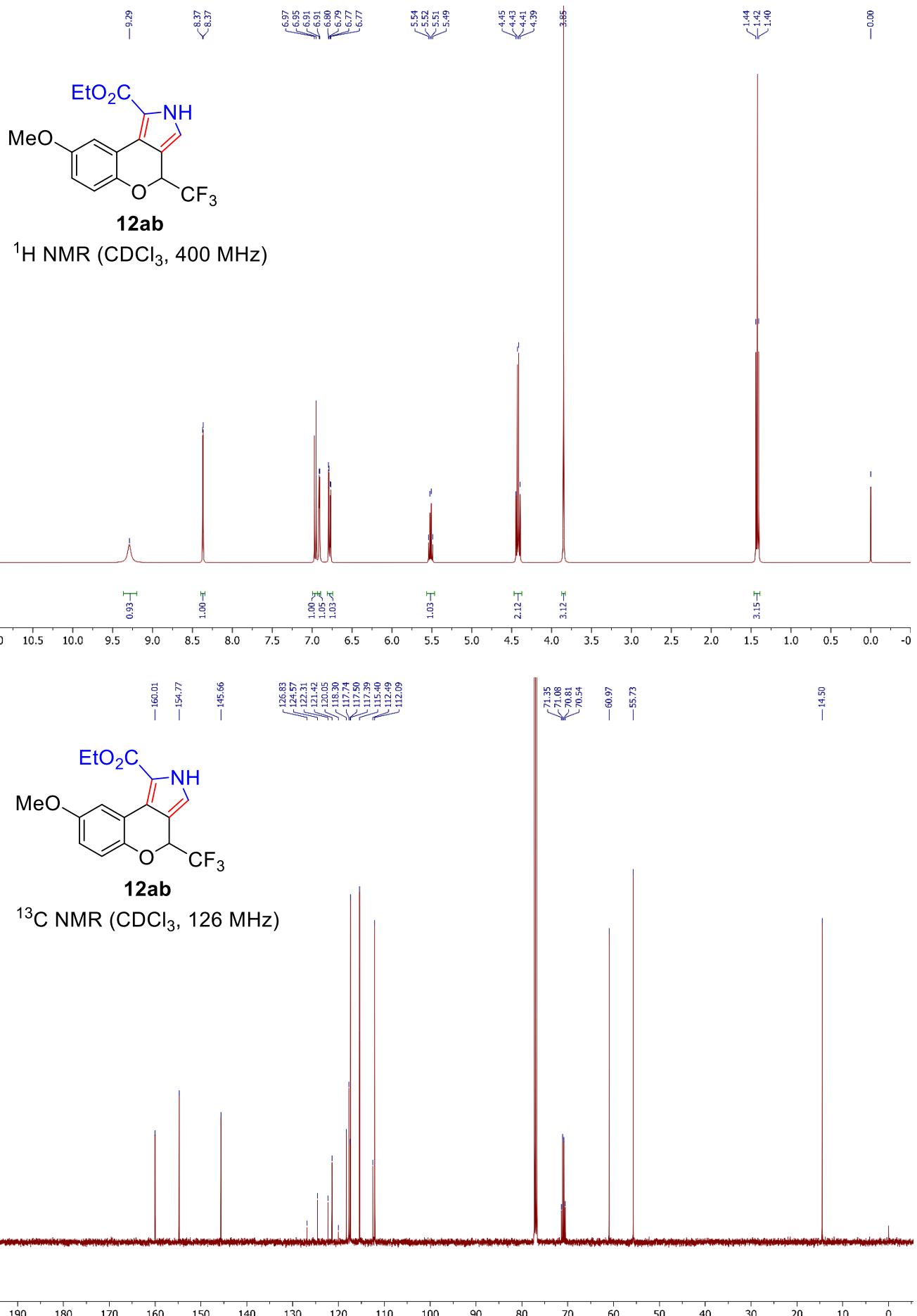
¹H NMR (CDCl₃, 500 MHz)

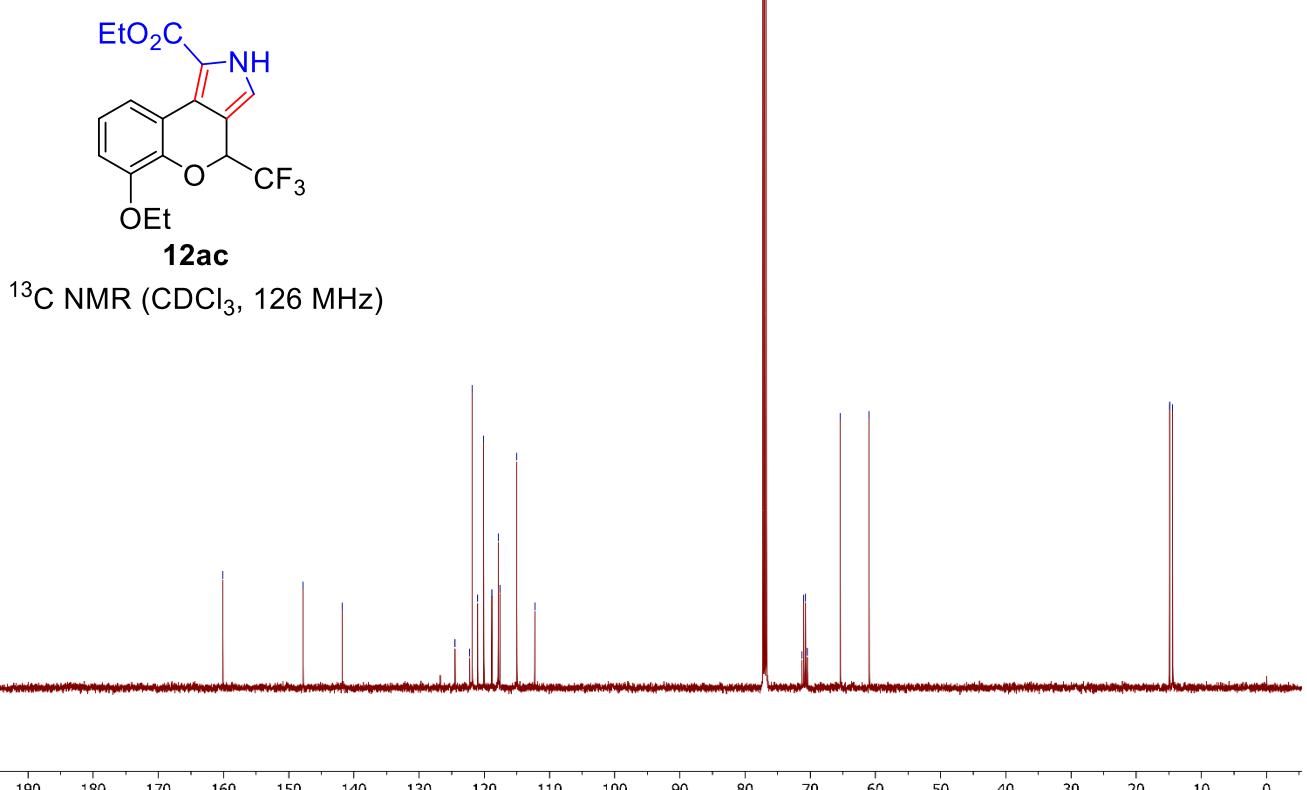
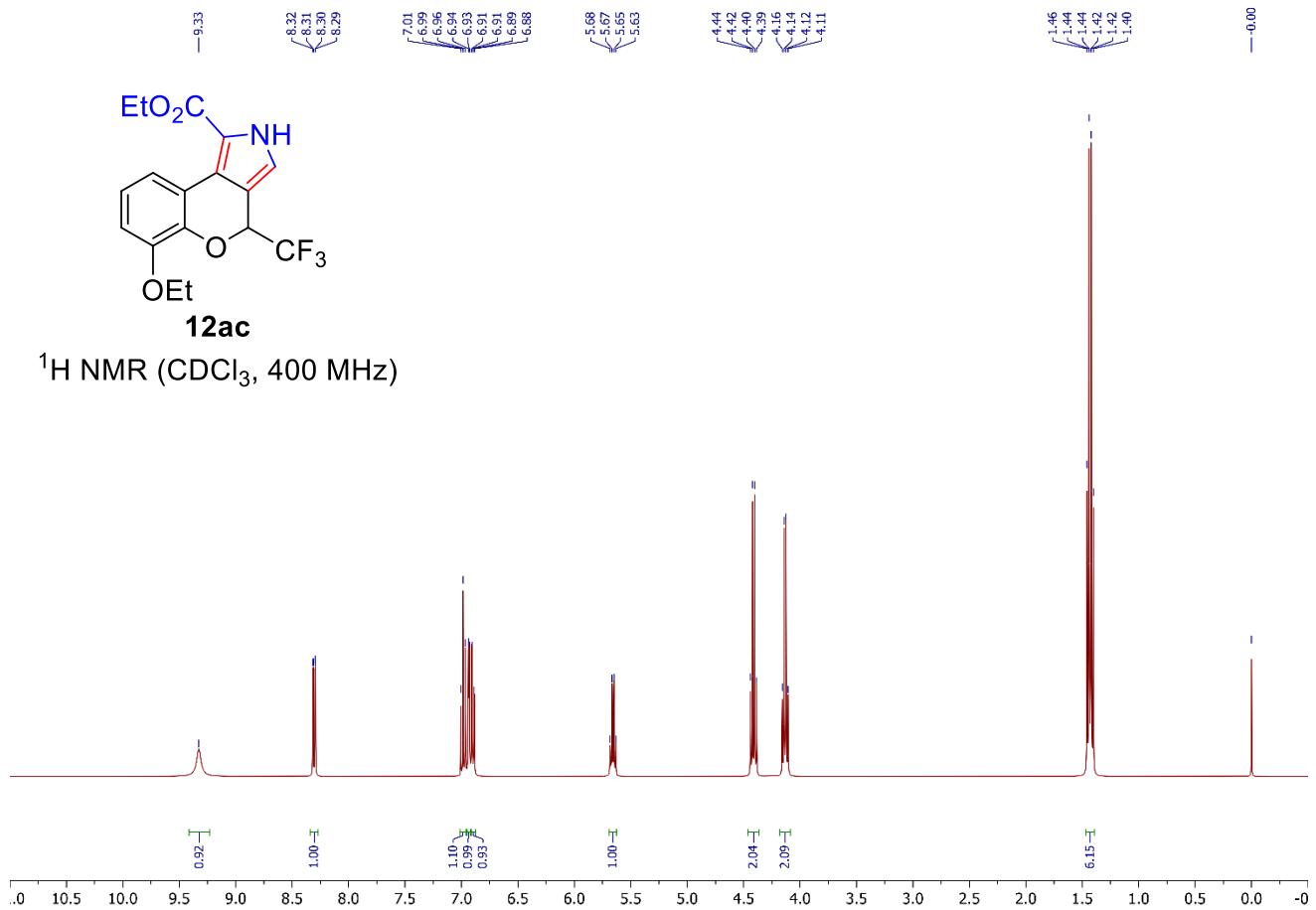


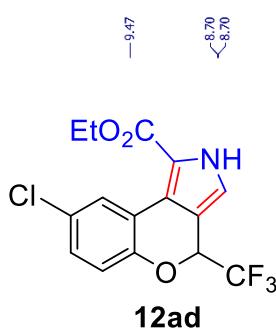
12aa

¹³C NMR (CDCl₃, 126 MHz)

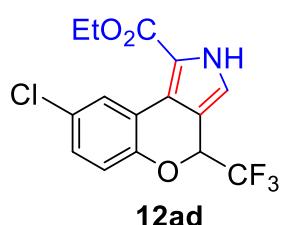
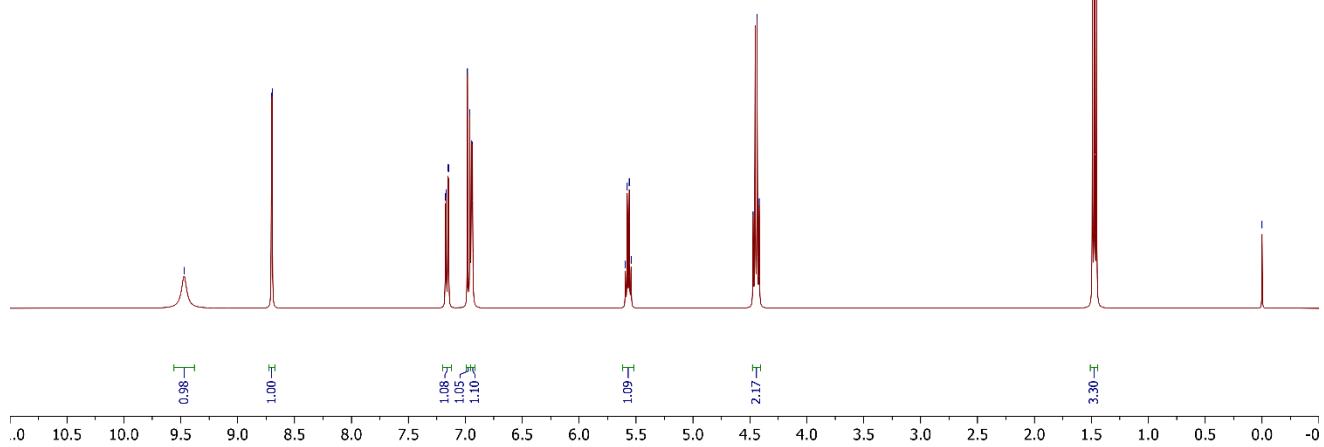




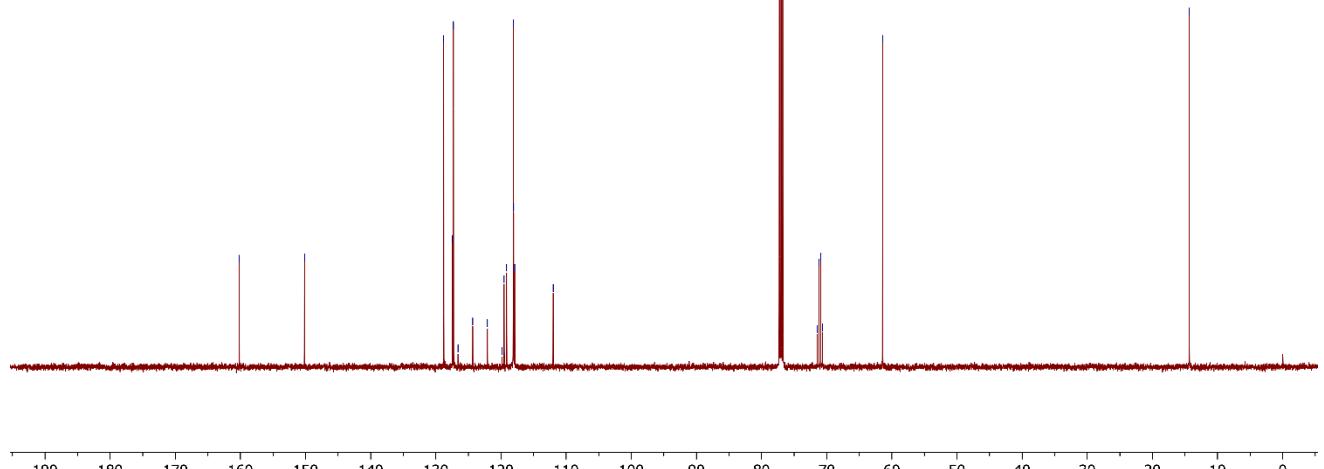


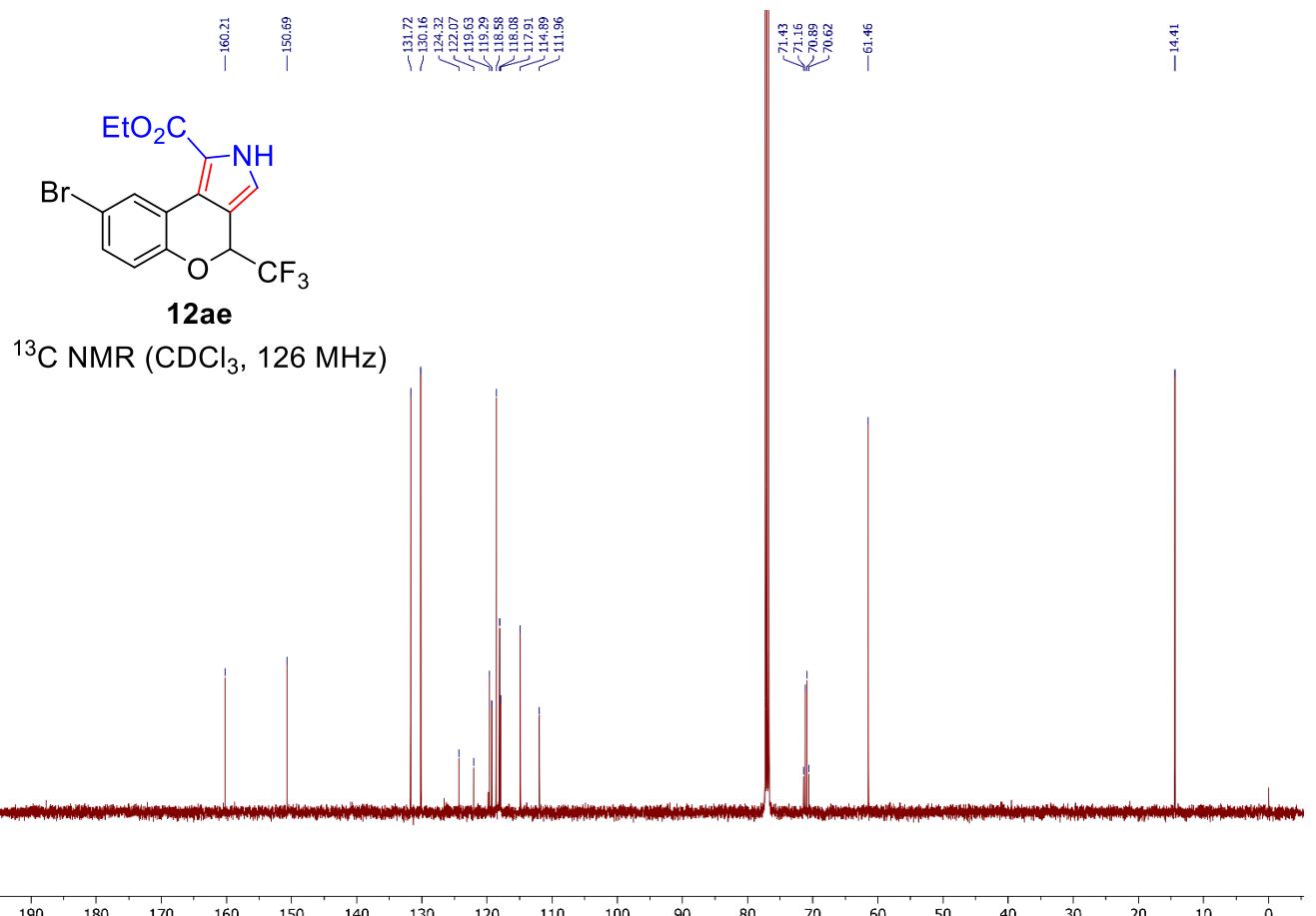
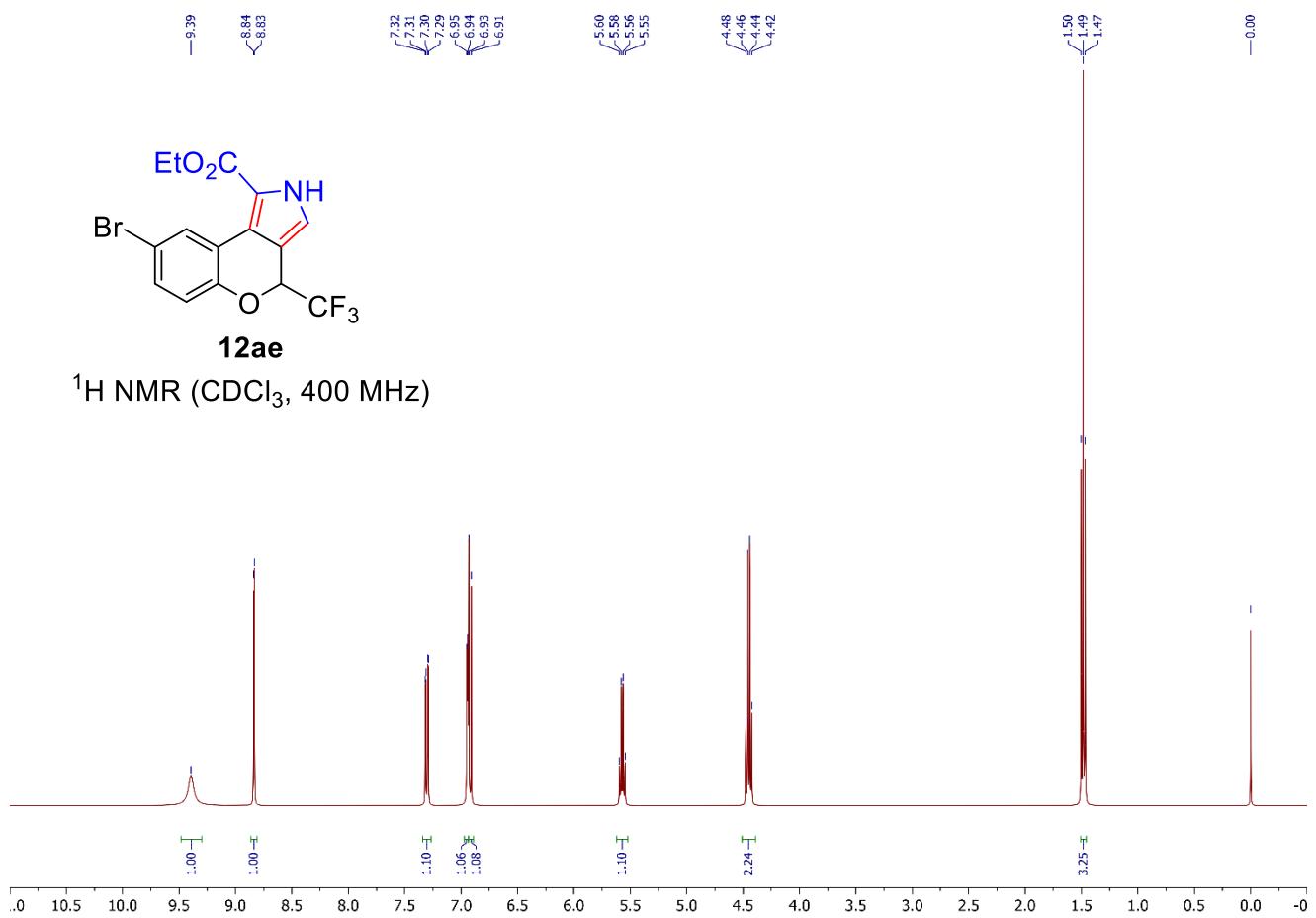


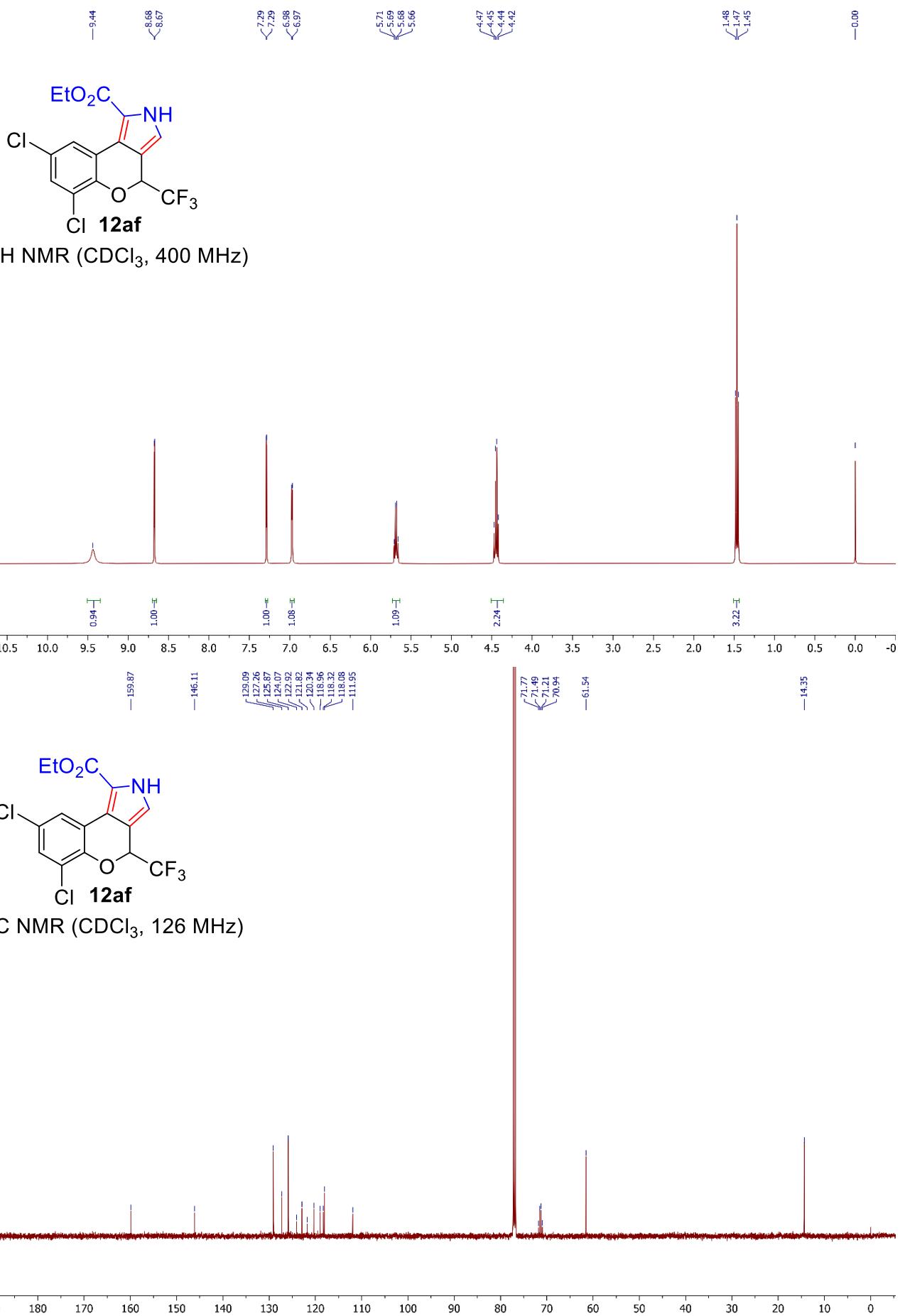
¹H NMR (CDCl₃, 400 MHz)

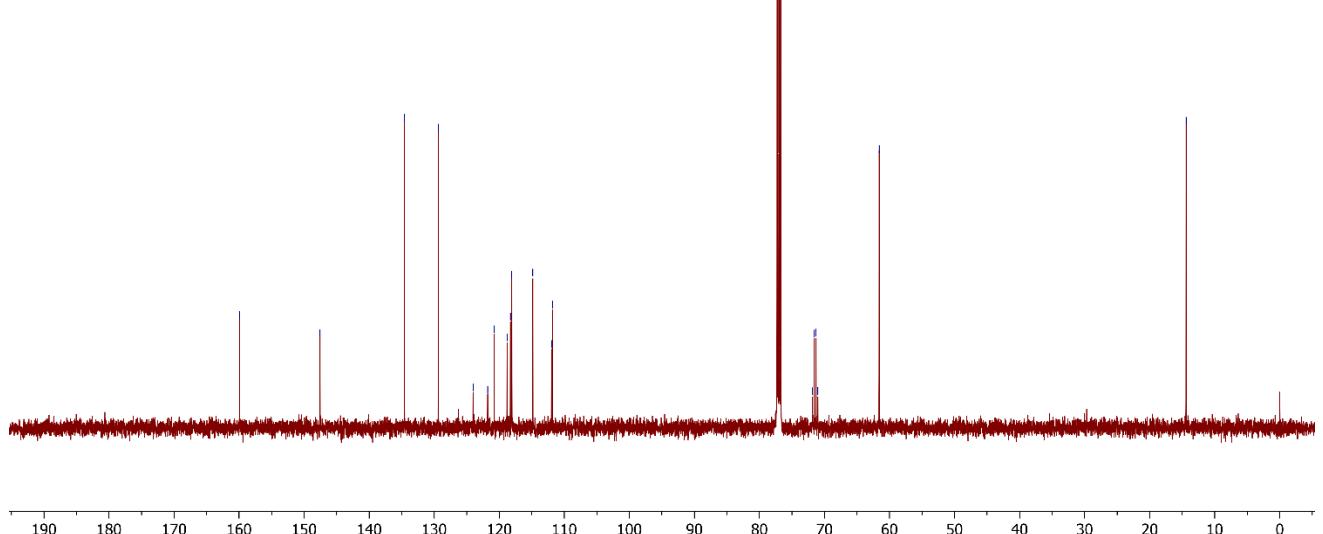
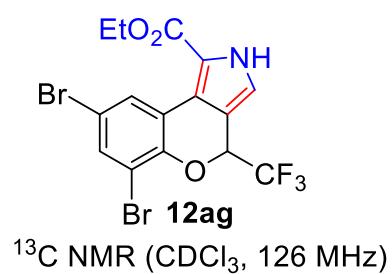
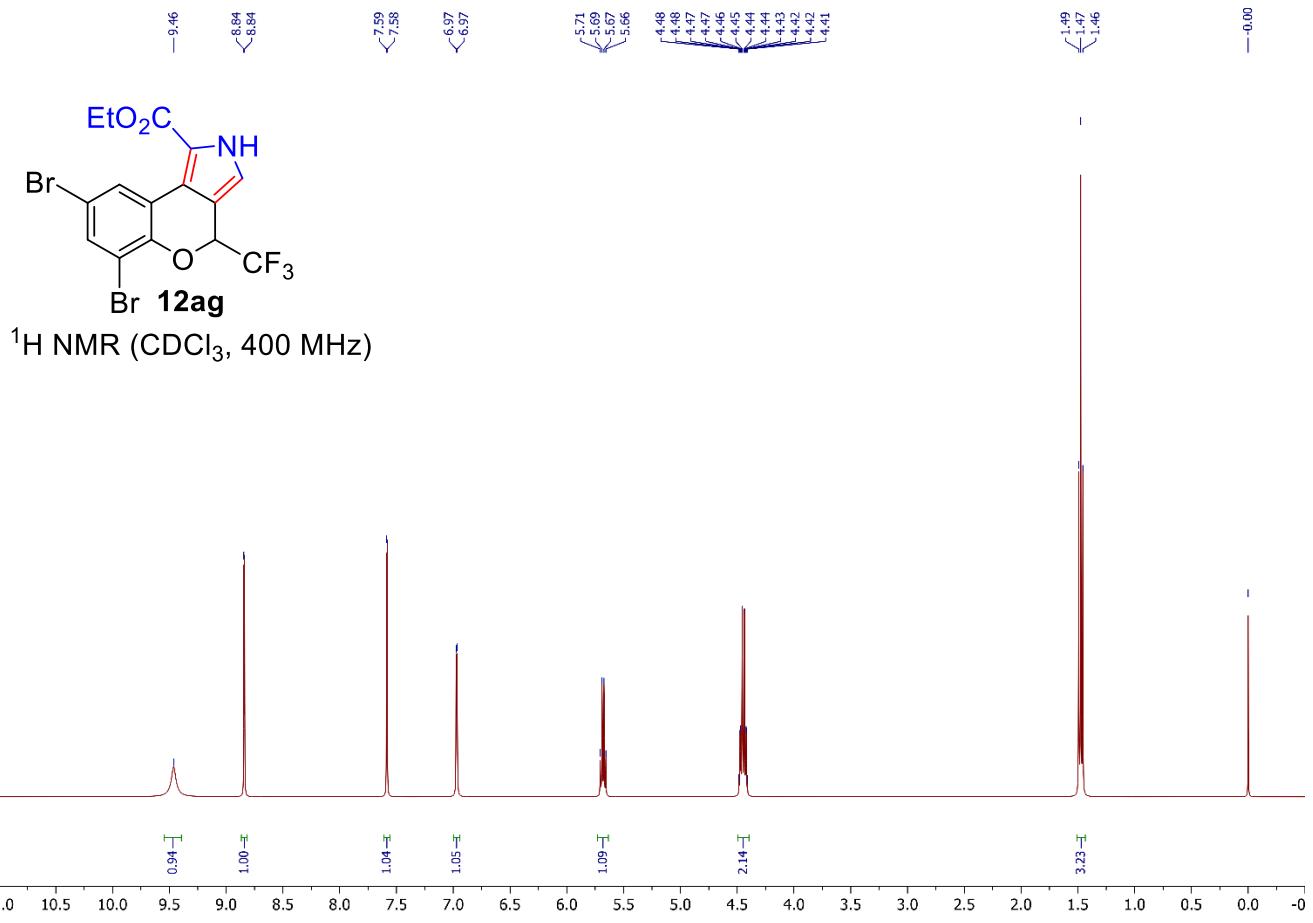


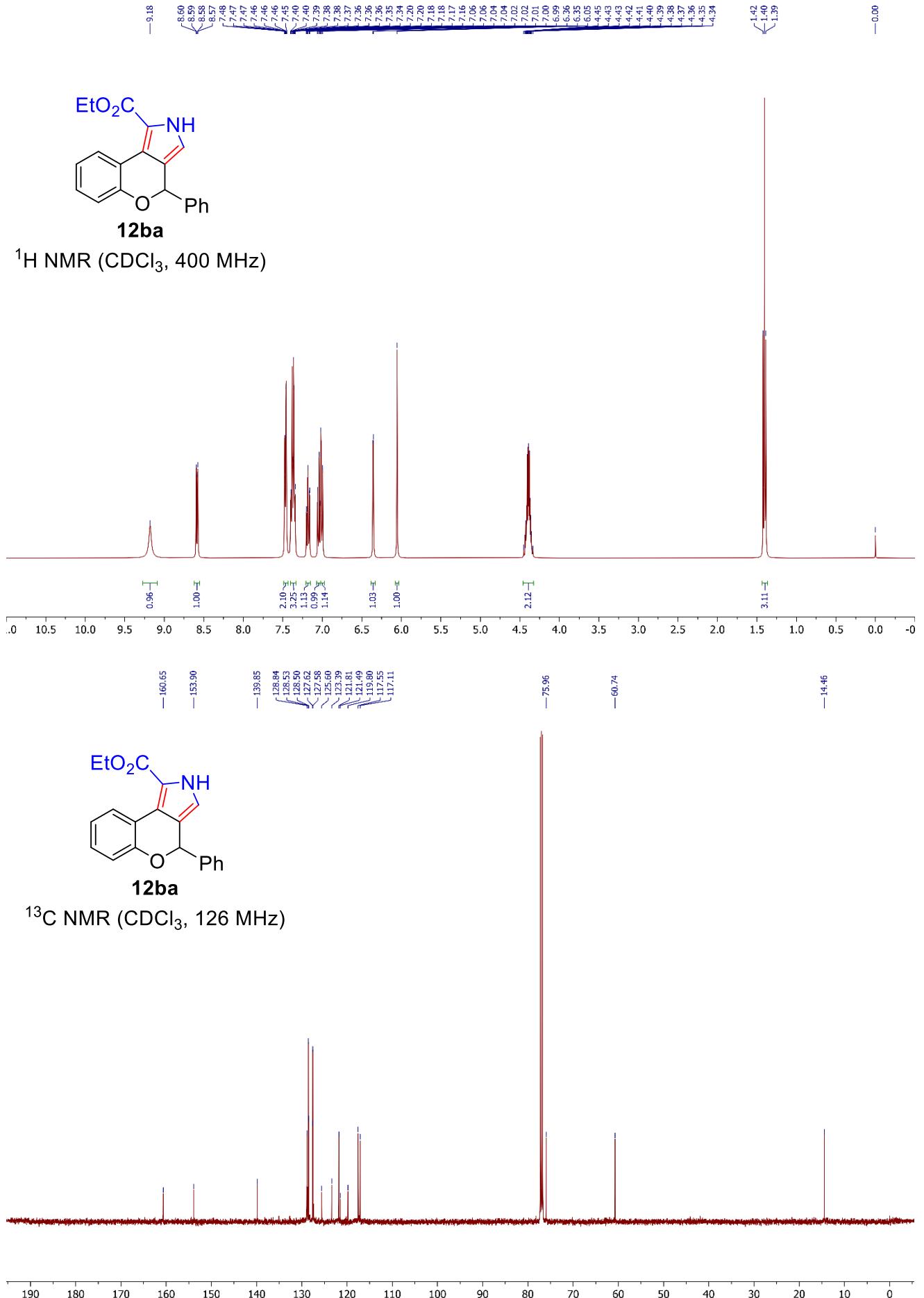
¹³C NMR (CDCl₃, 126 MHz)

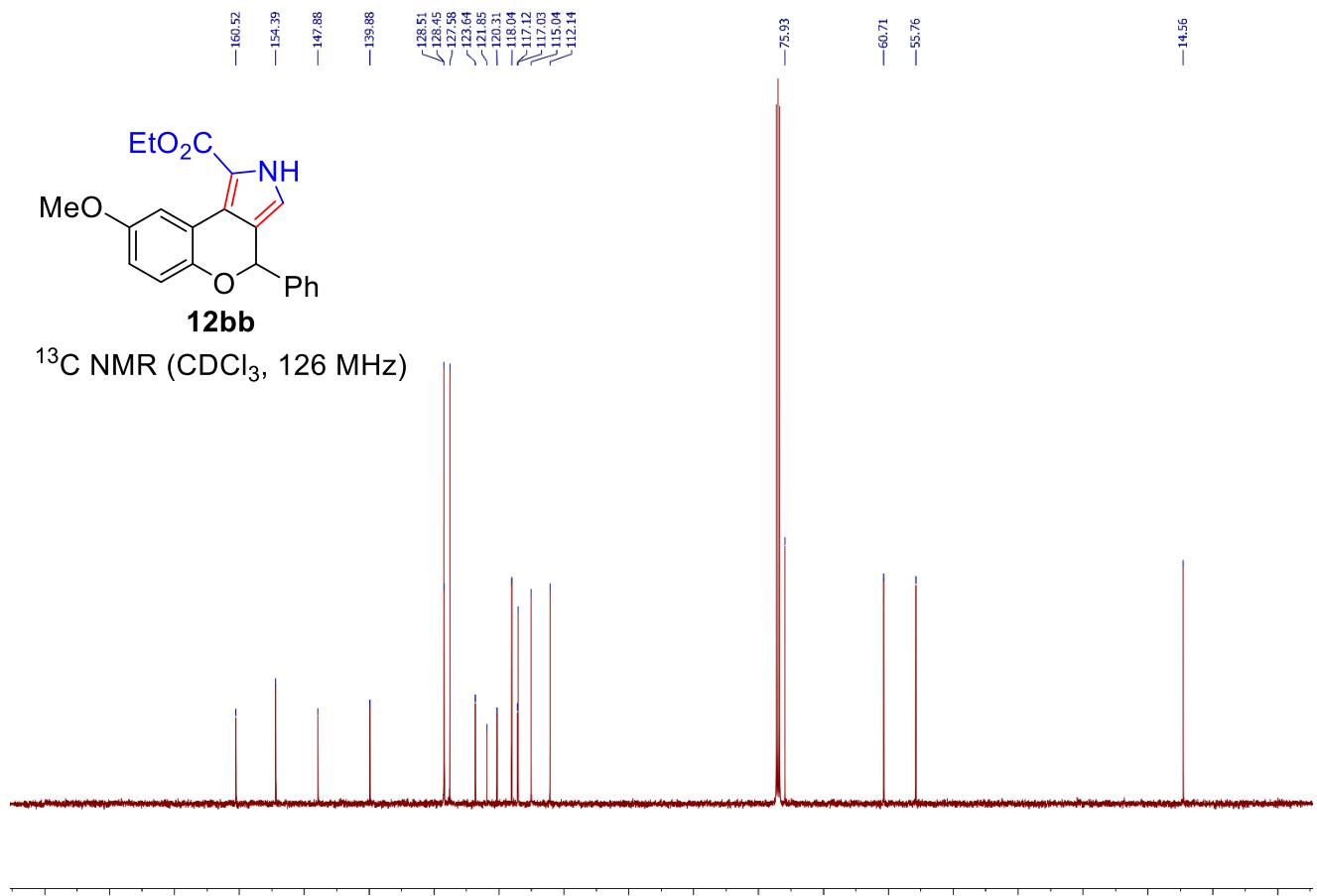
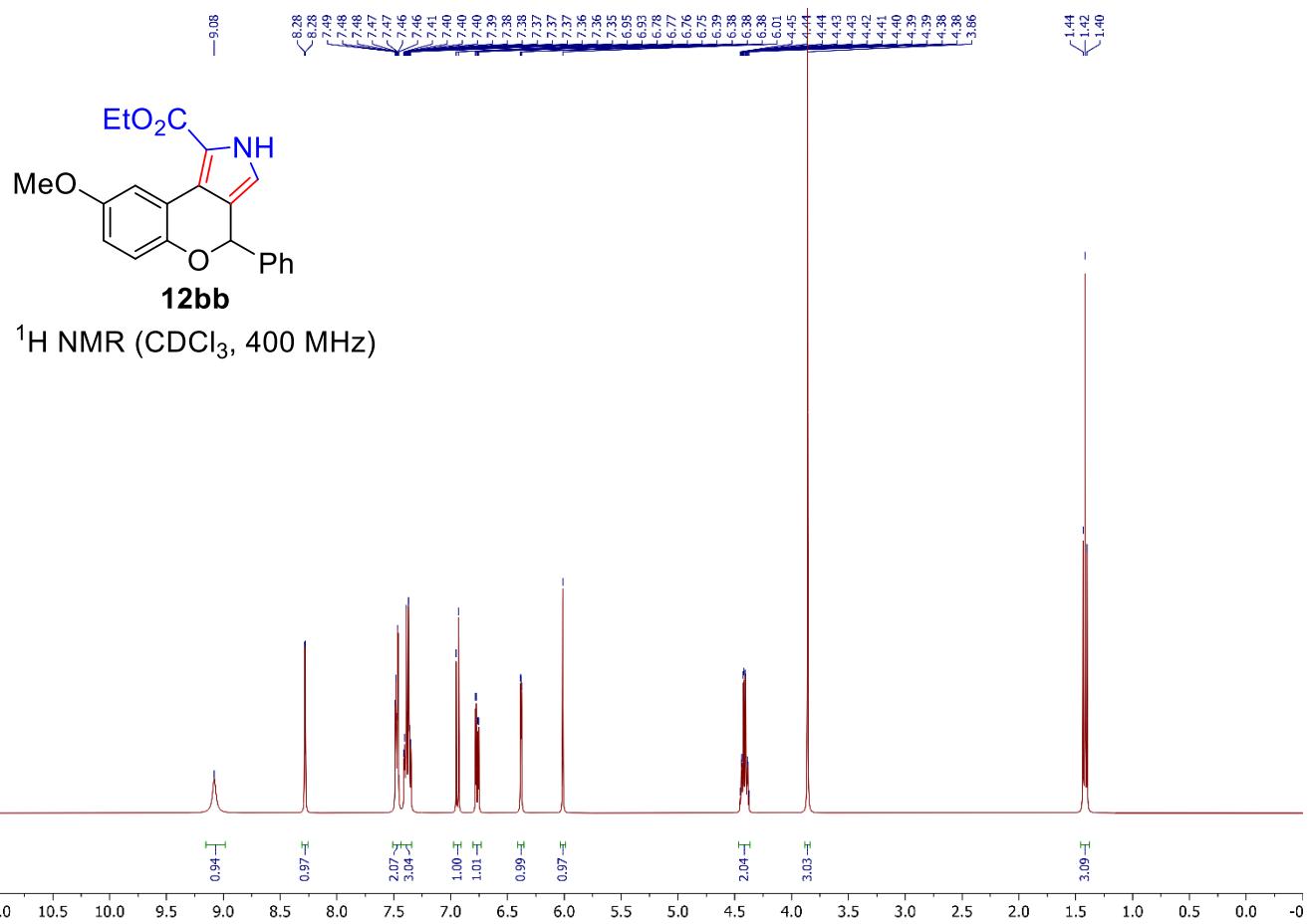


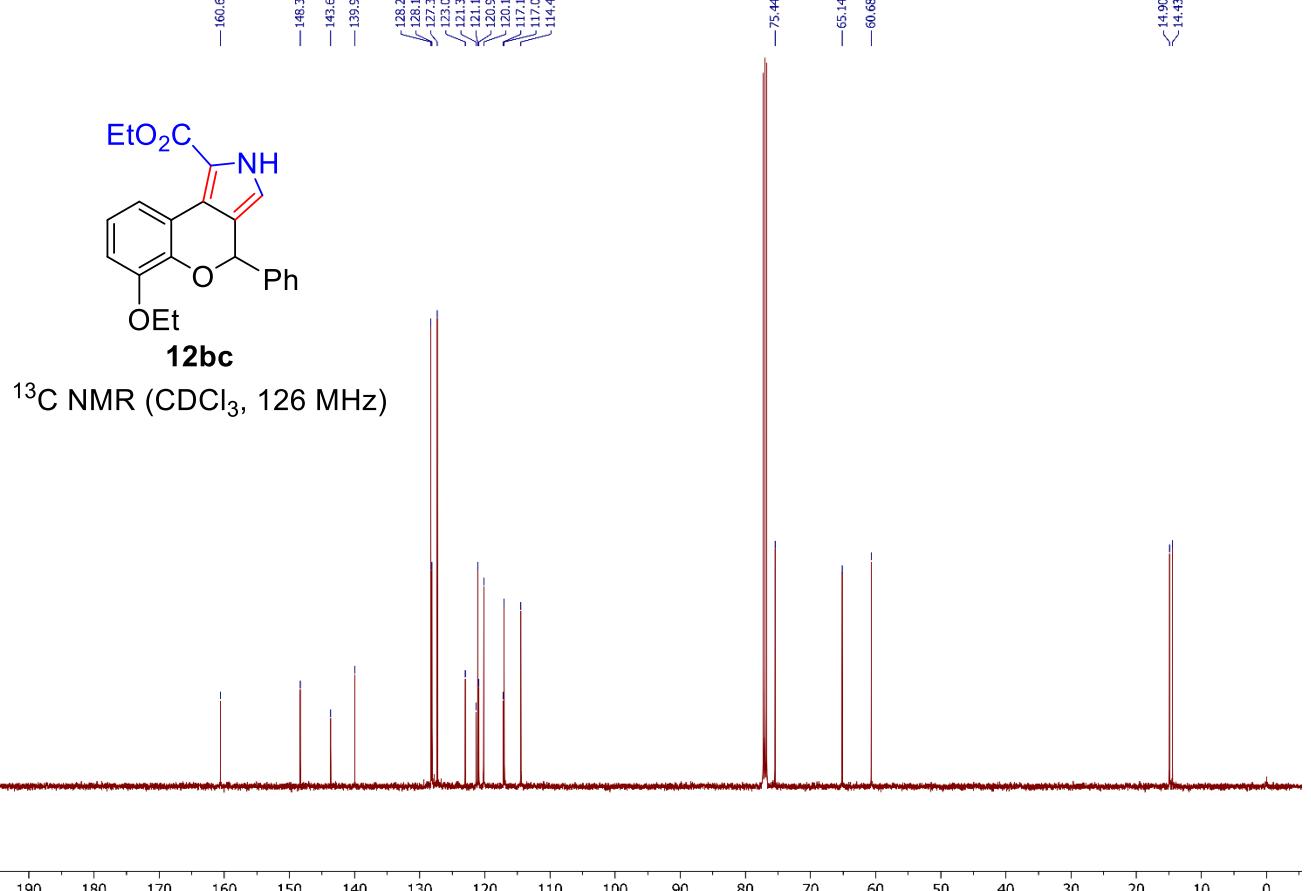
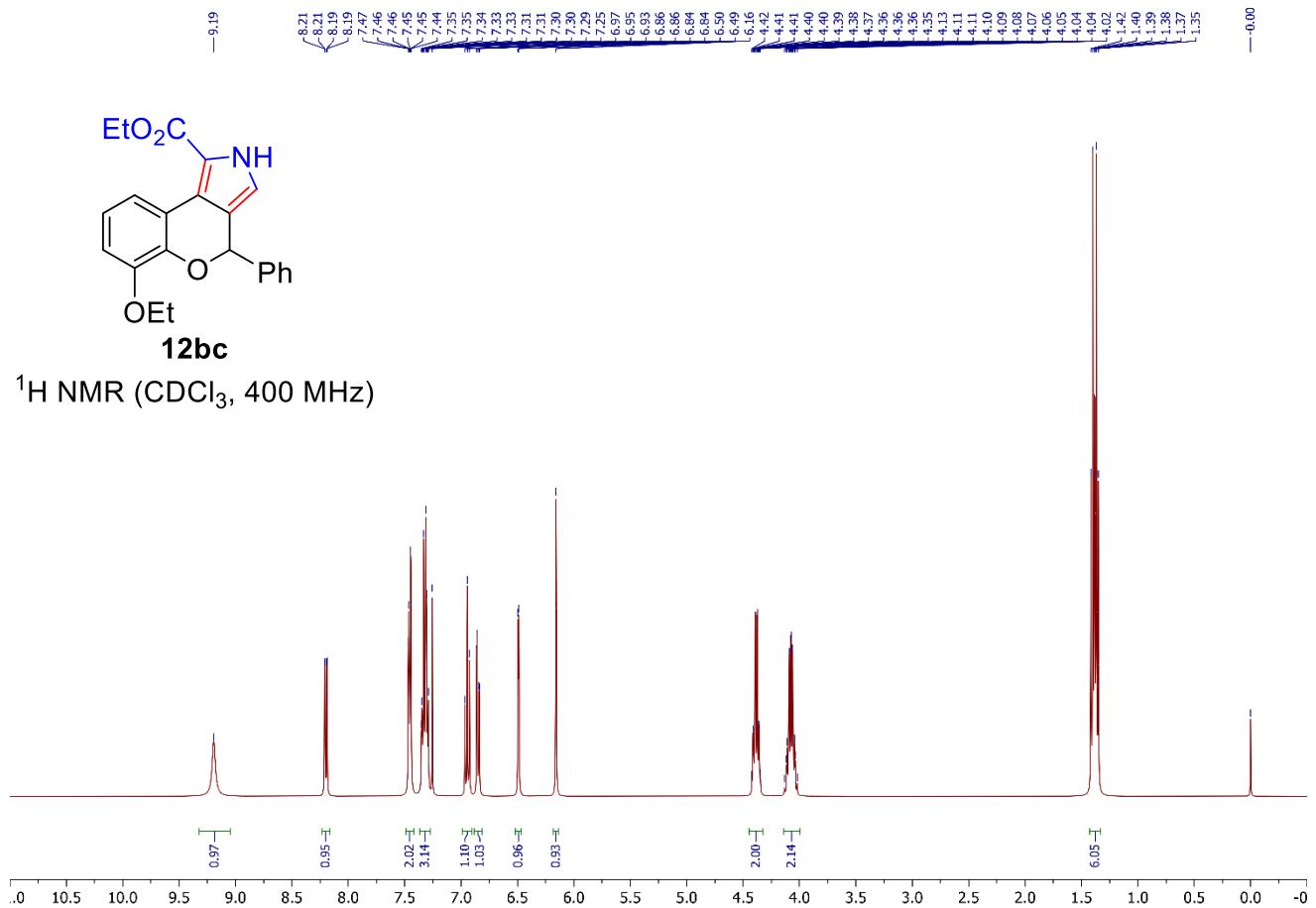


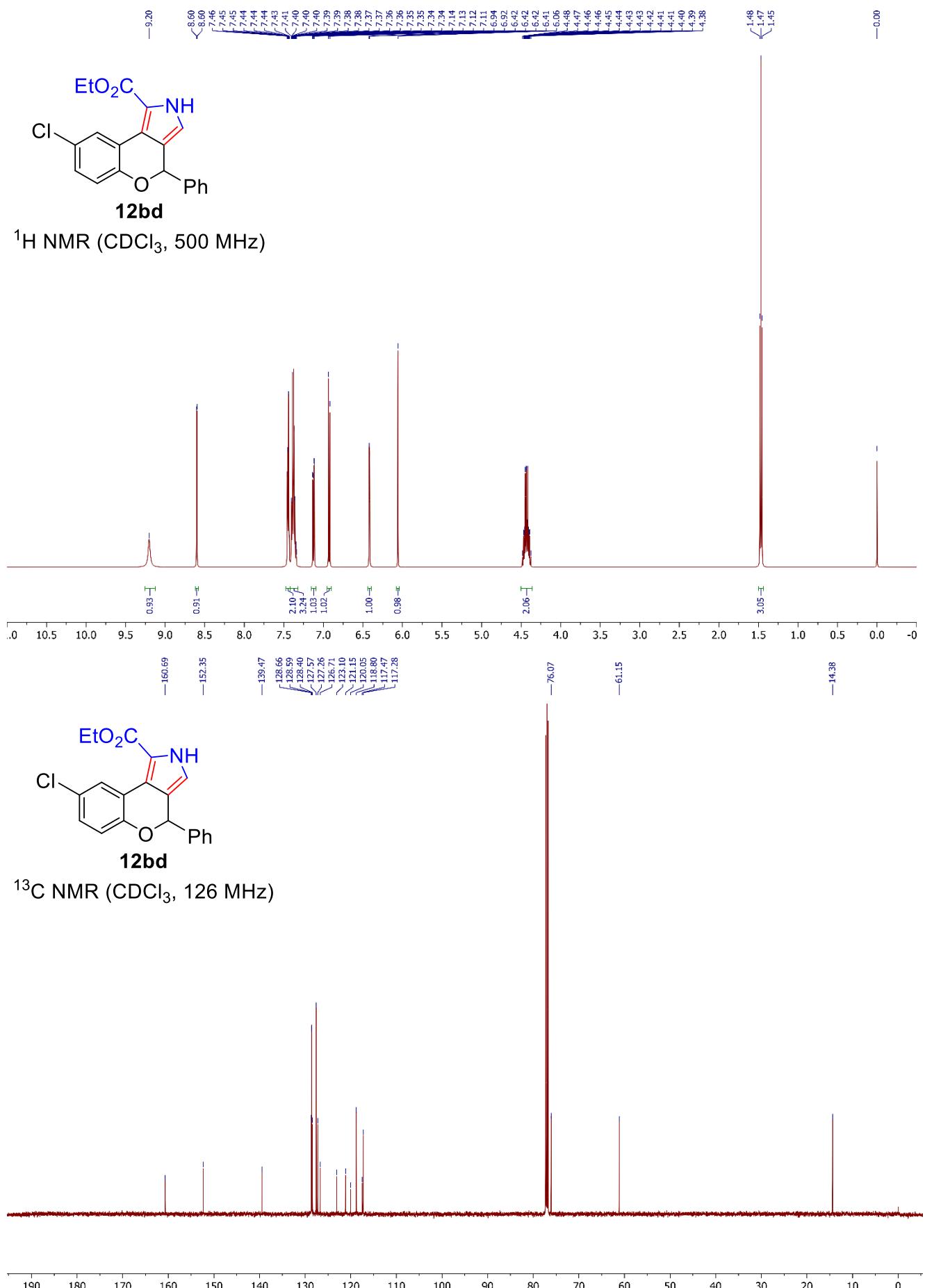


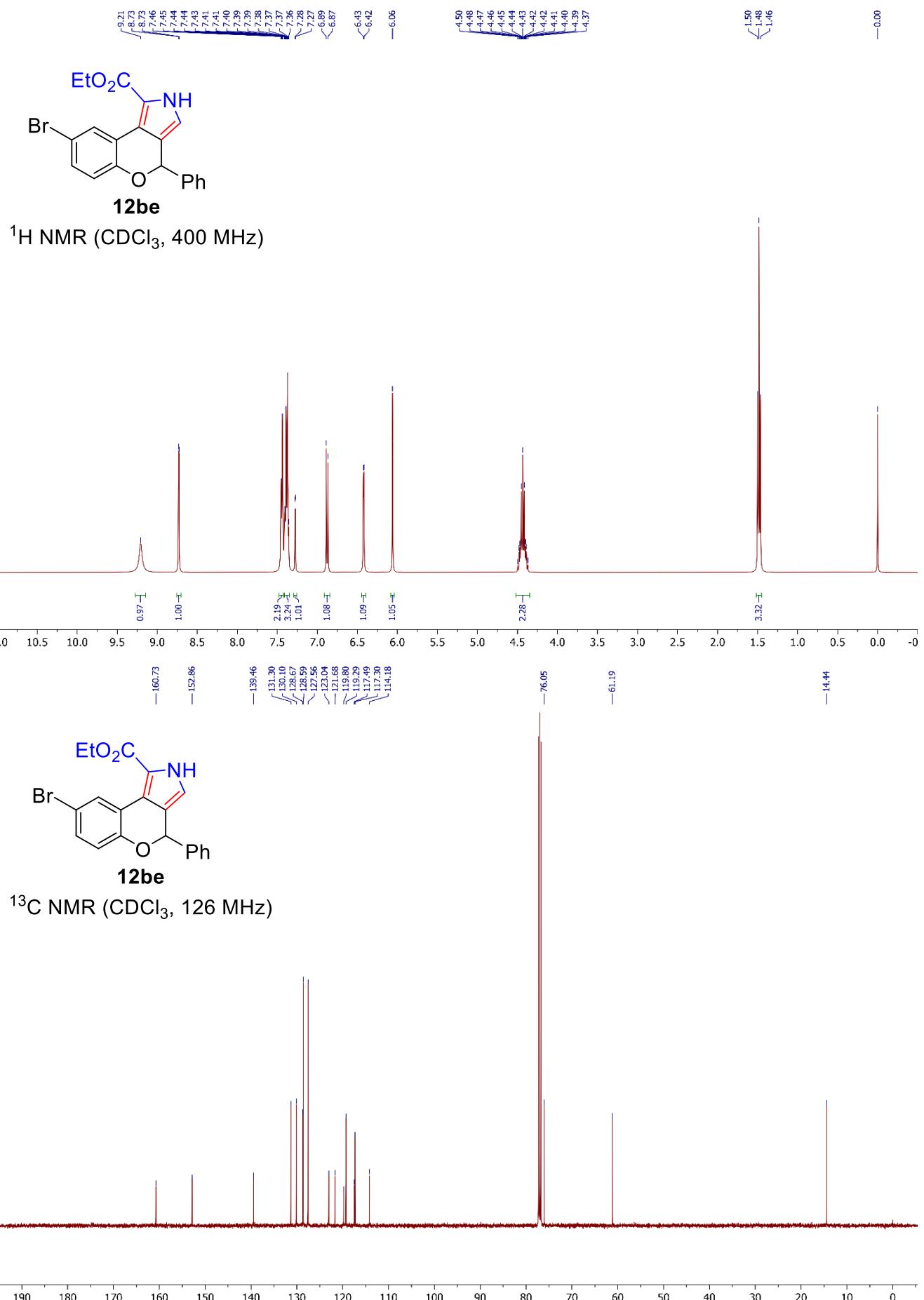


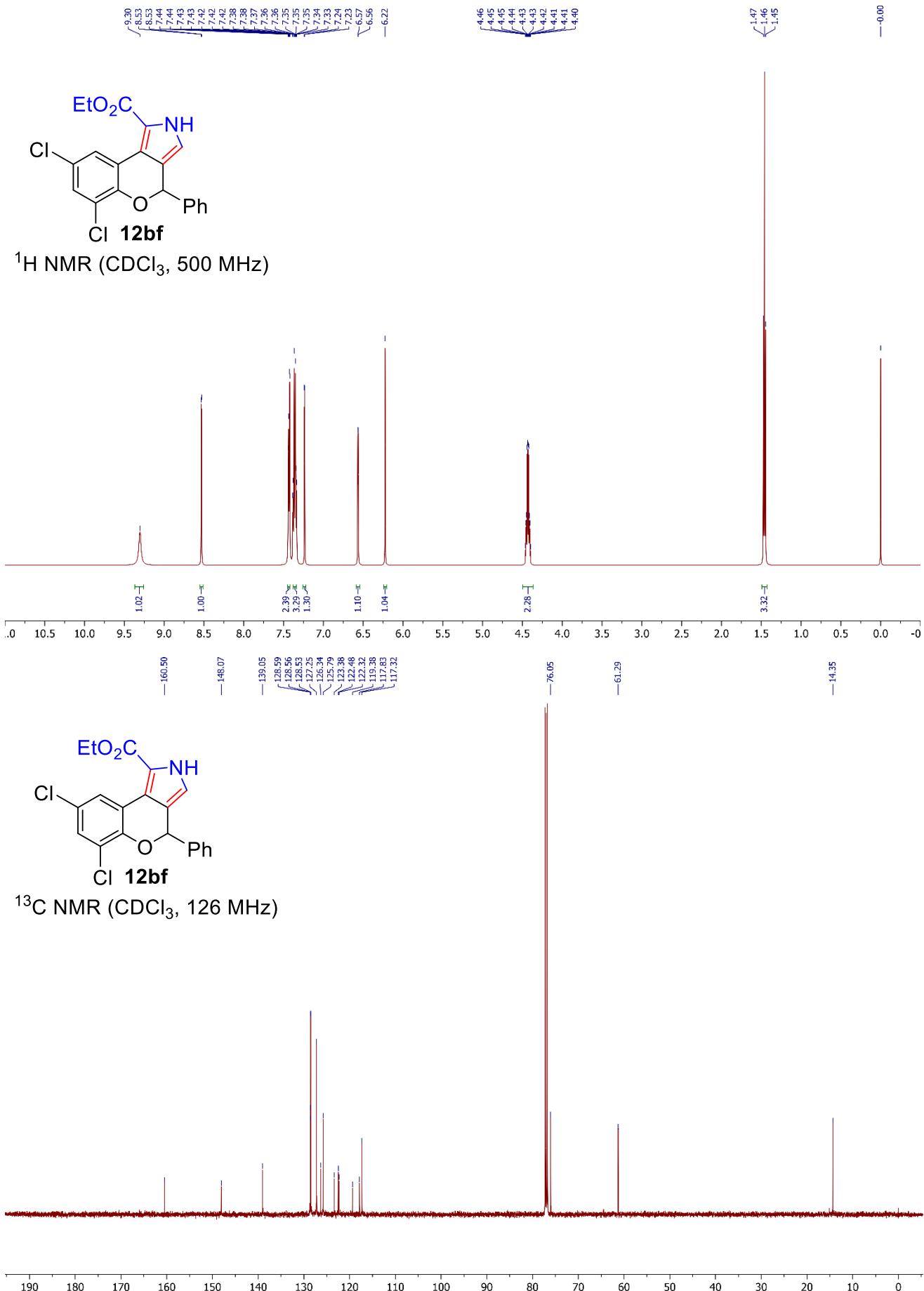


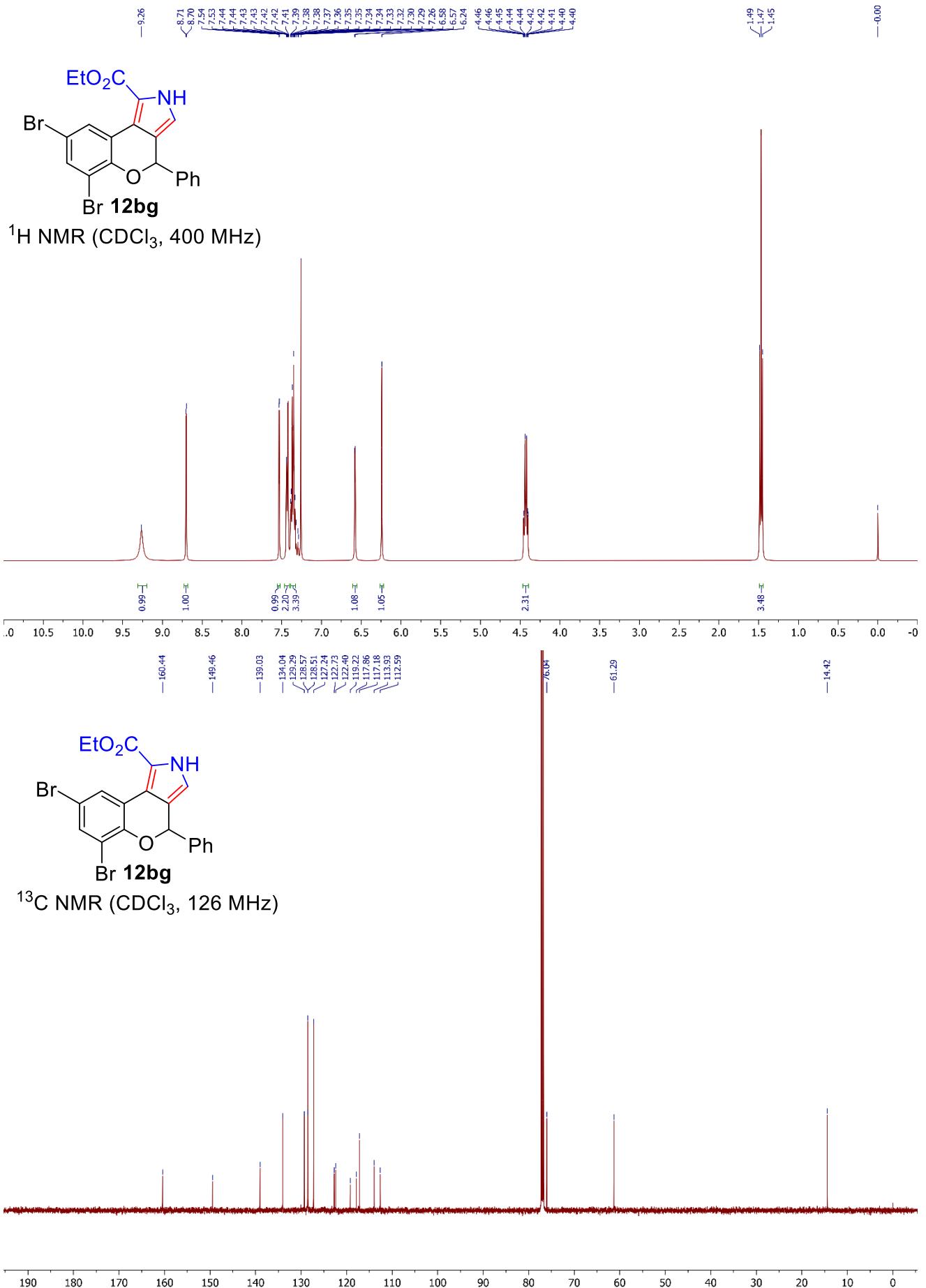


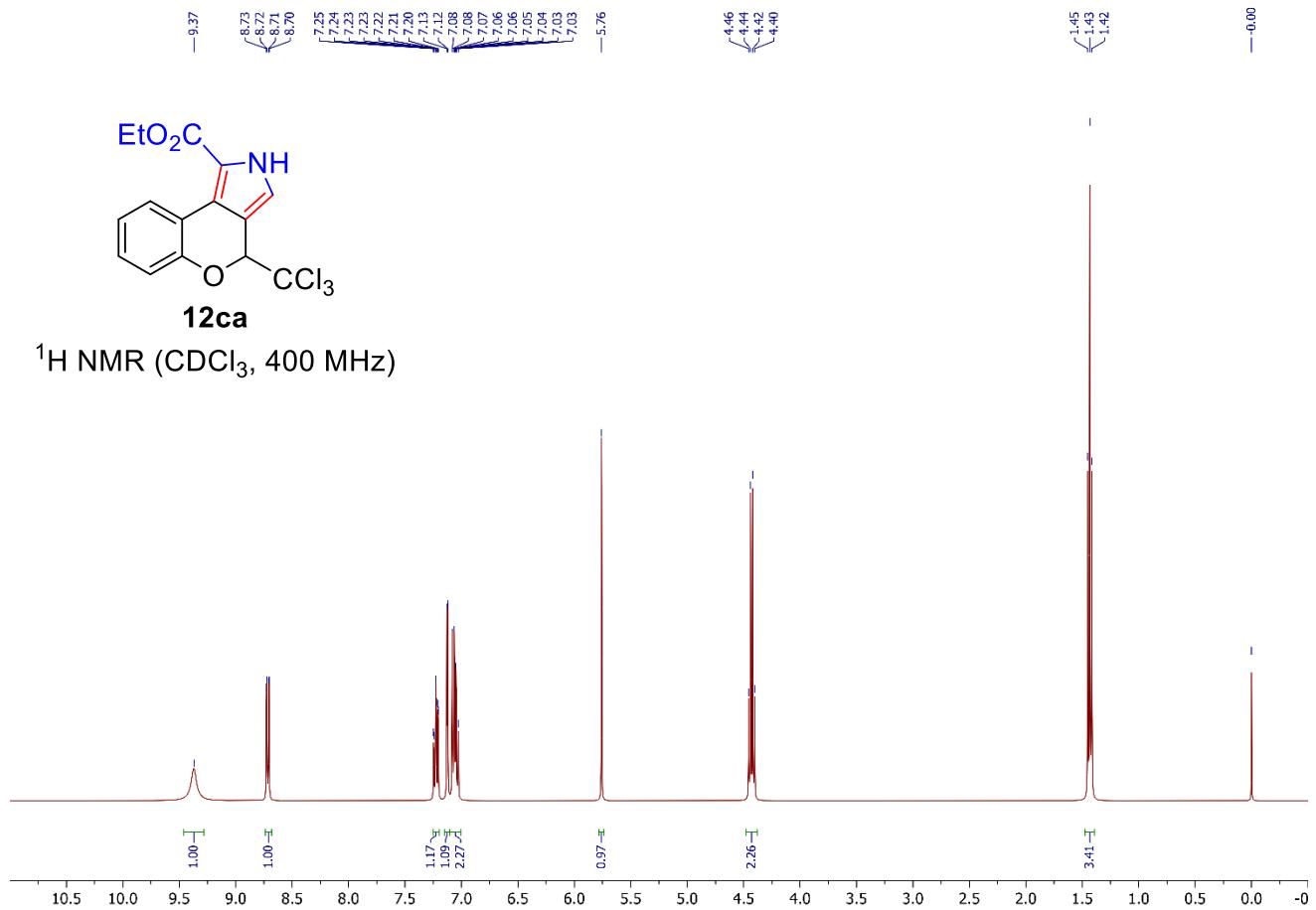




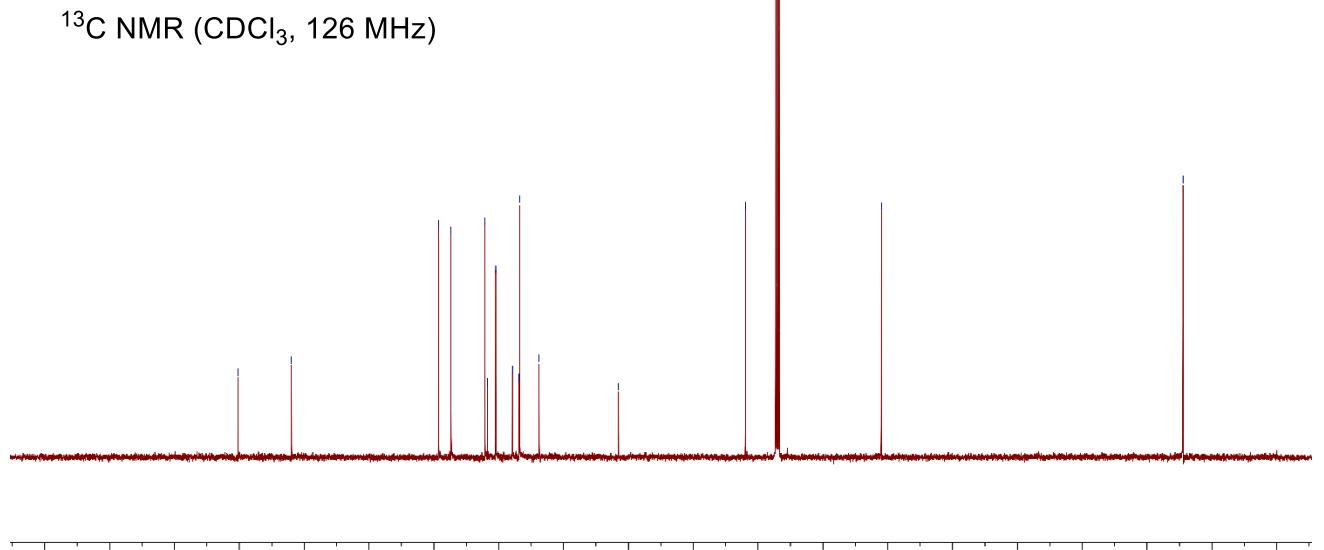
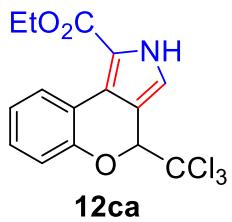


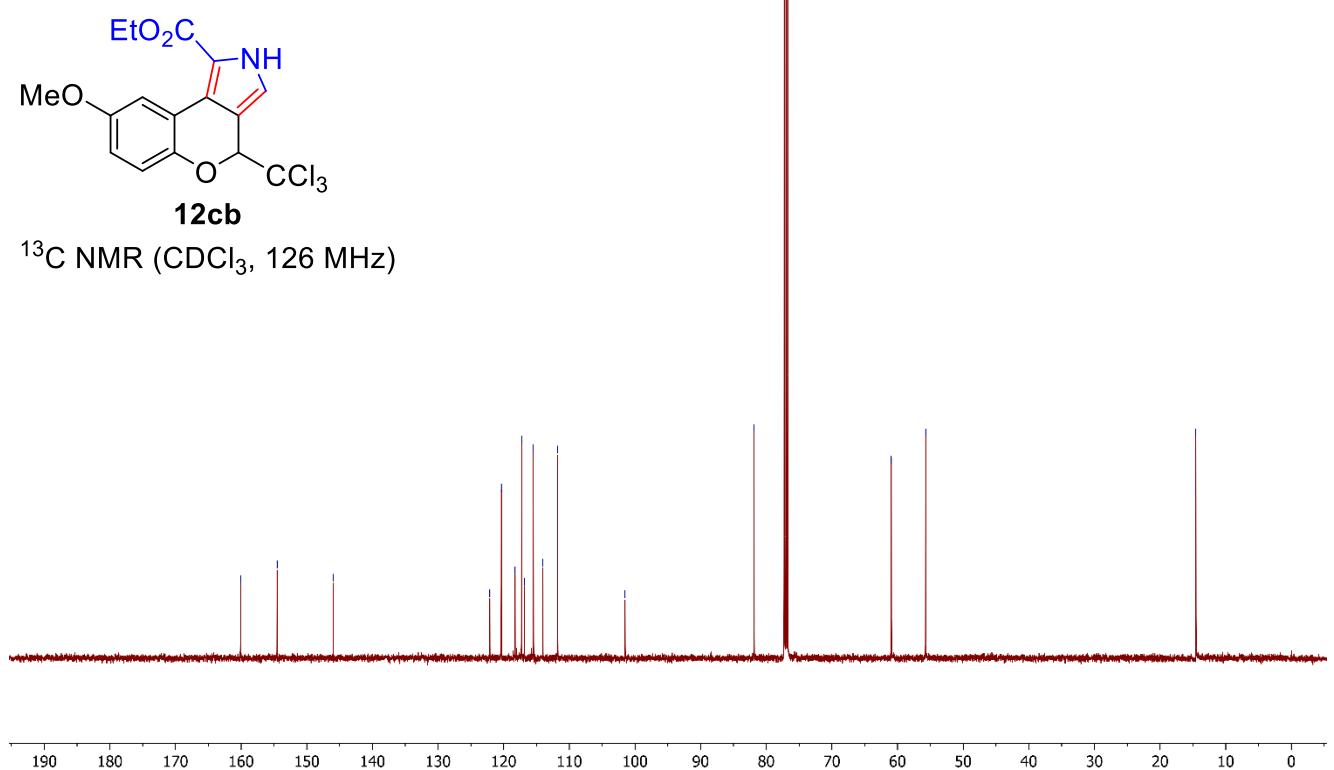
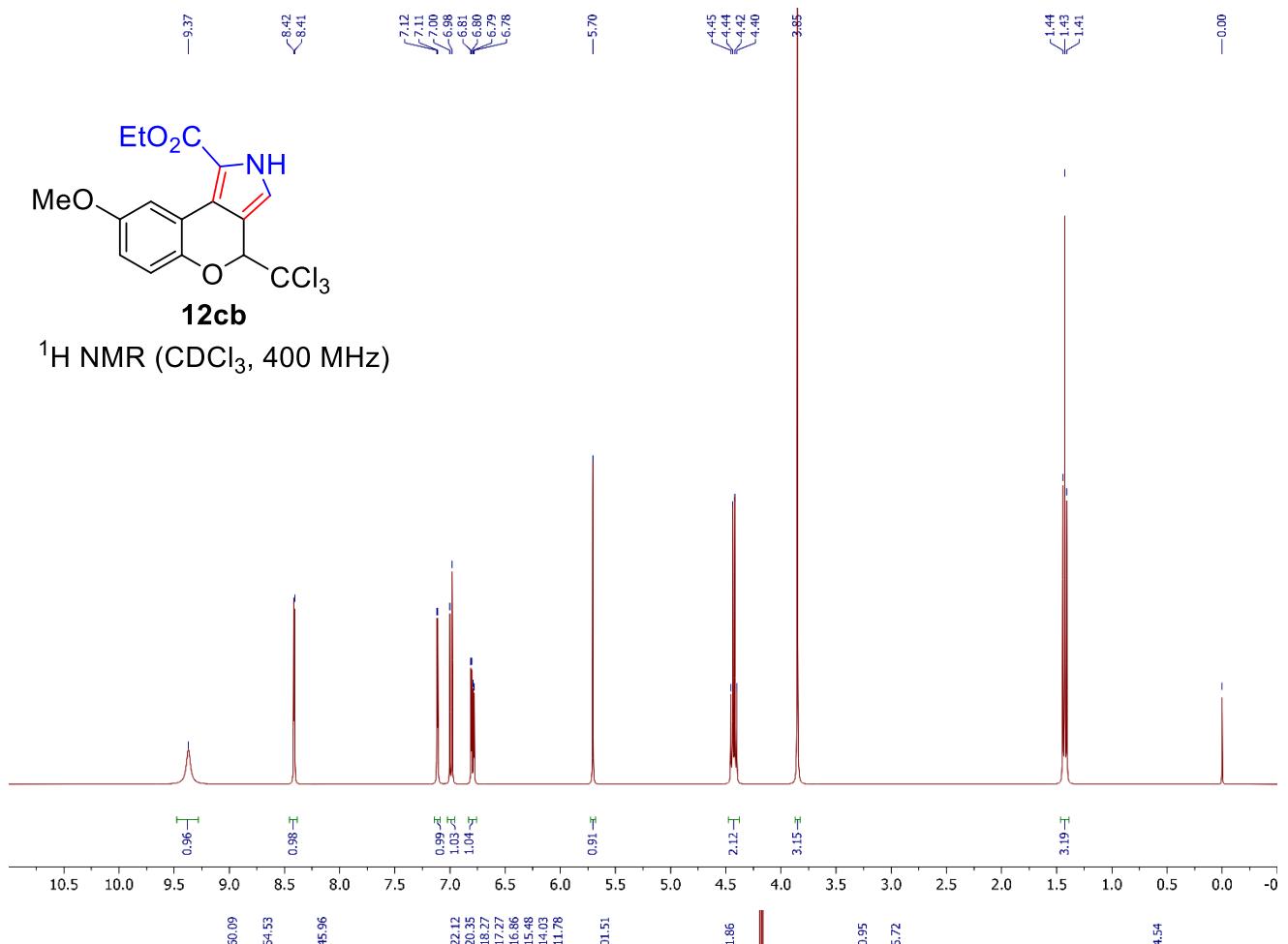


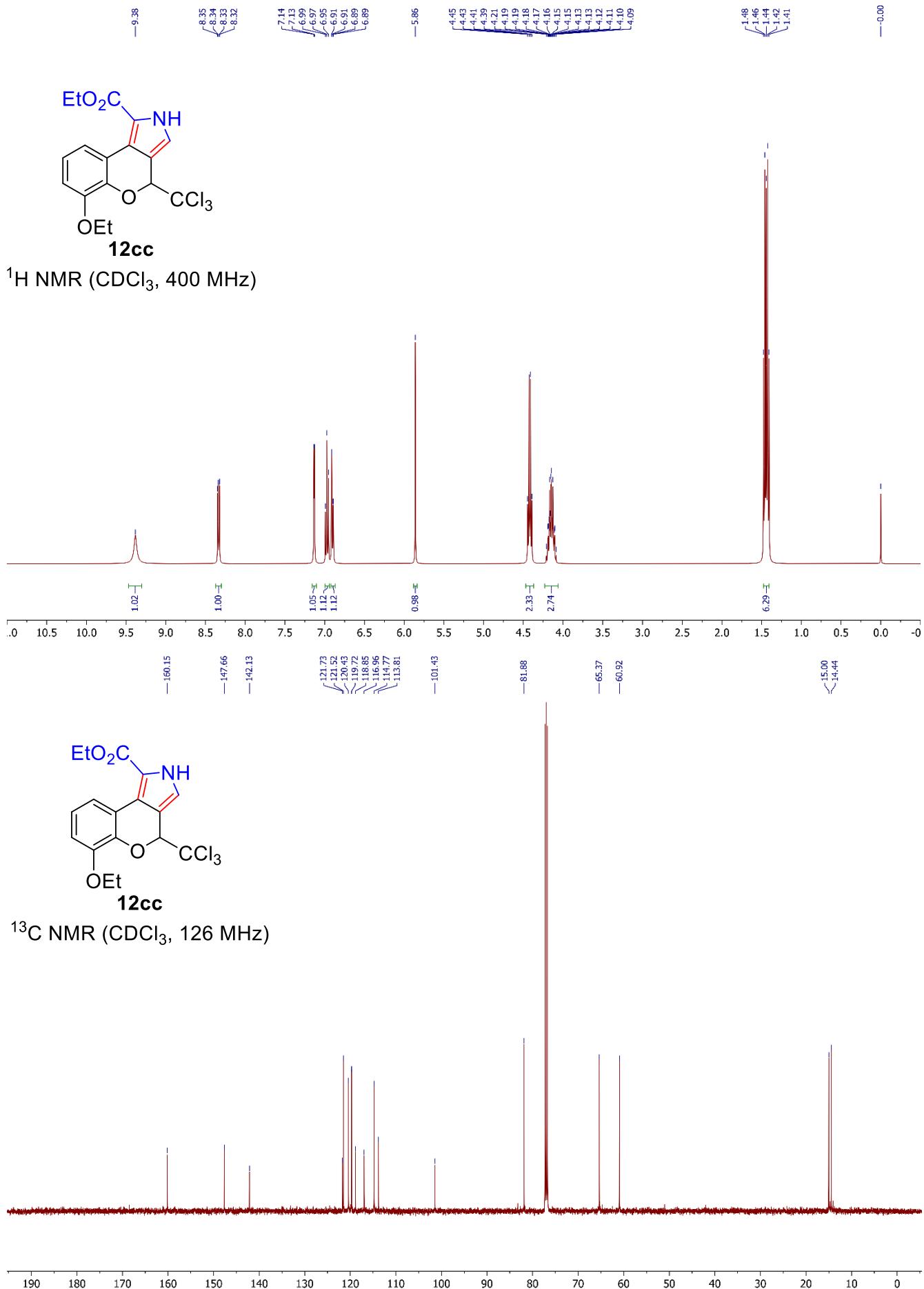


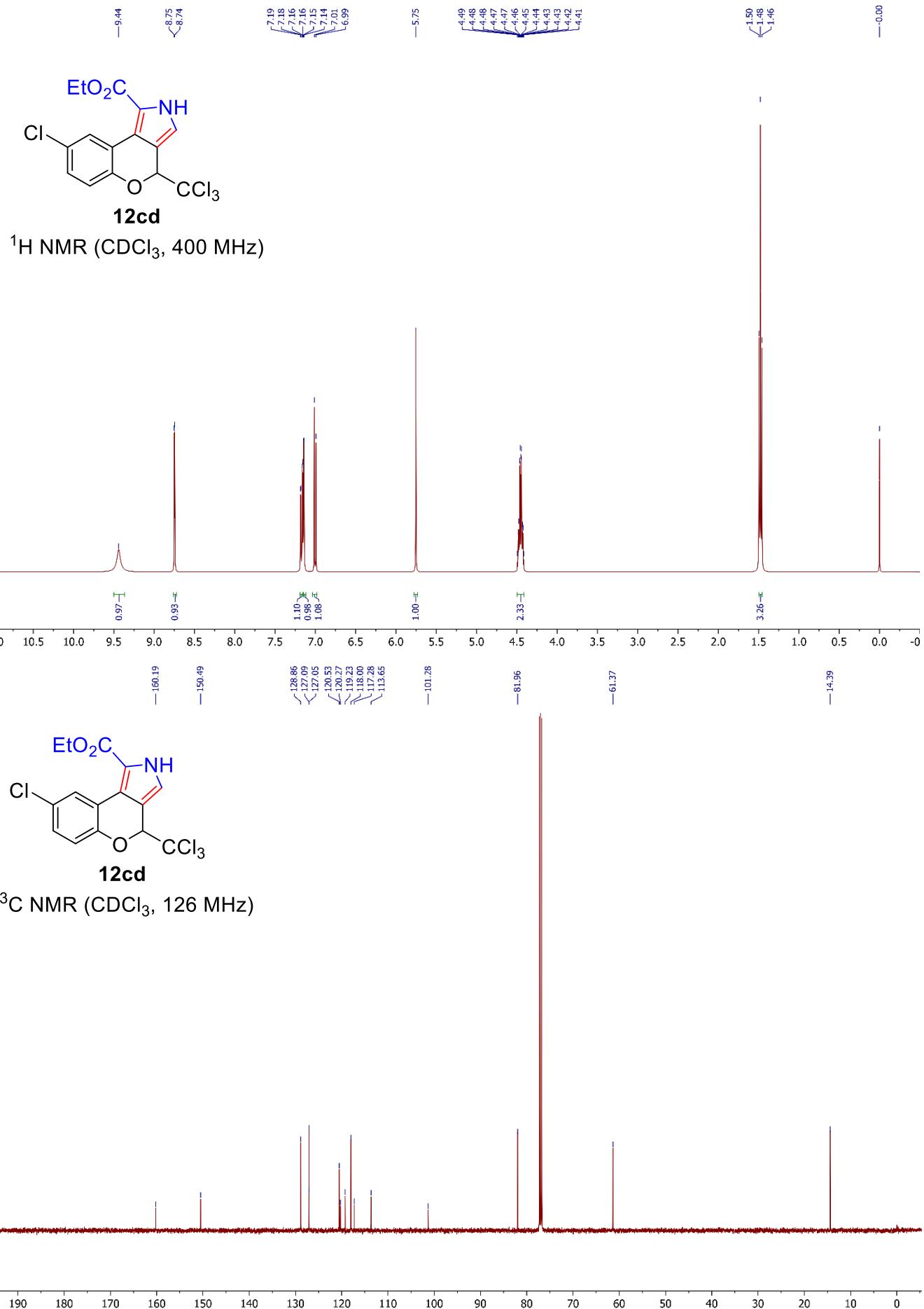


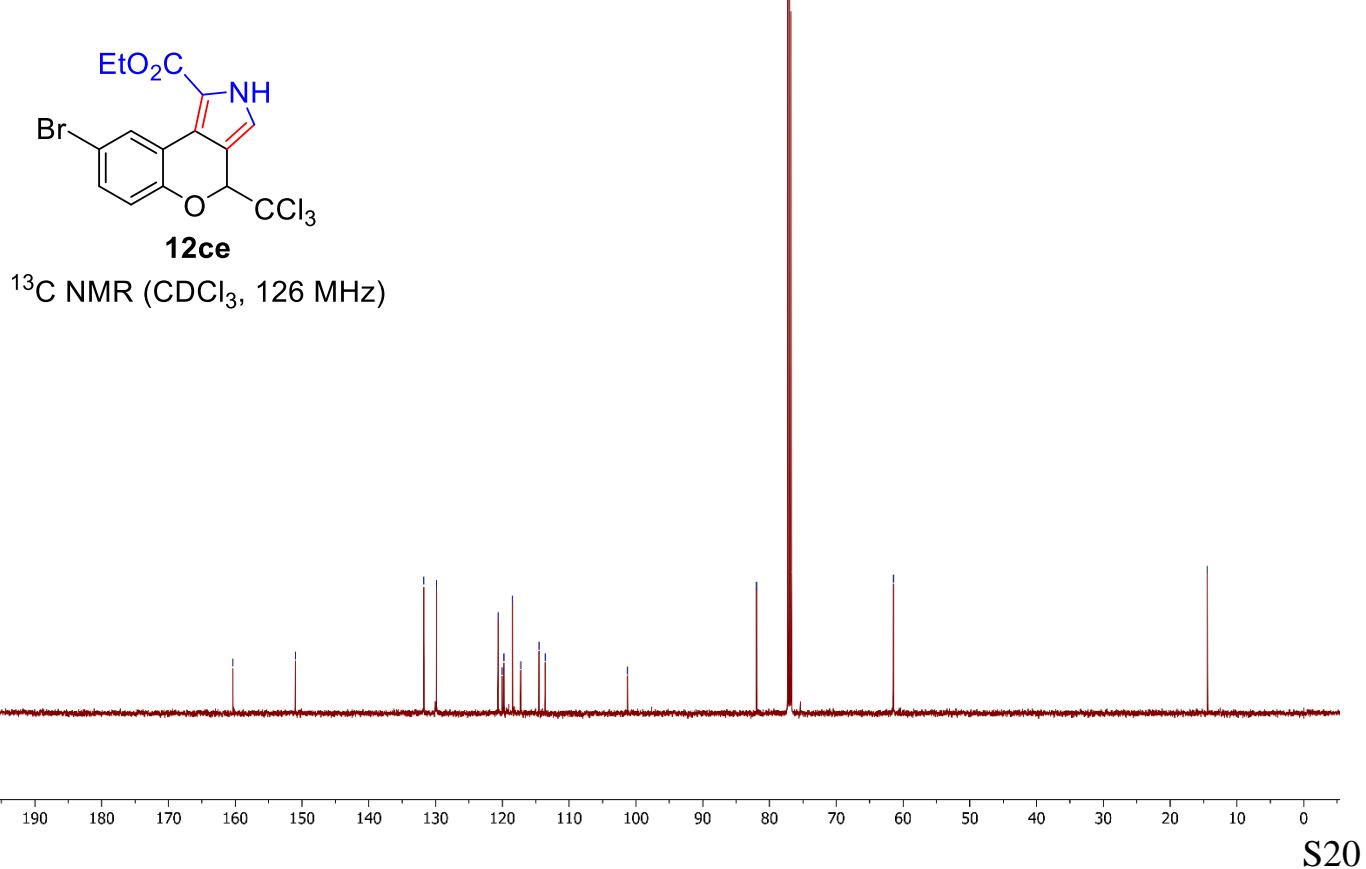
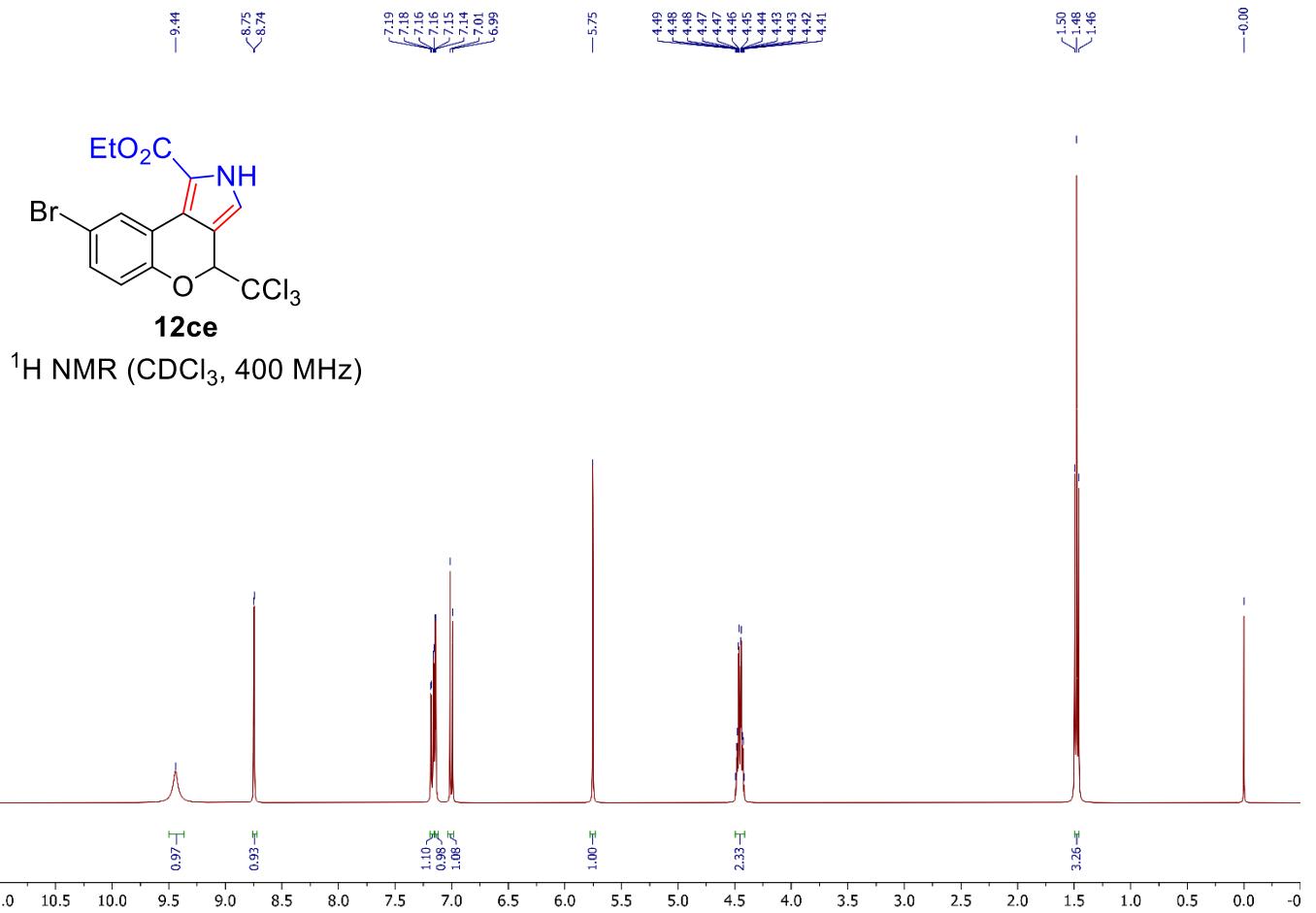
—160.21
—151.96
—129.27
—127.36
—122.13
—121.73
—120.45
—117.88
—116.95
—116.36
—113.16
—101.52
—81.94
—60.97
—14.46

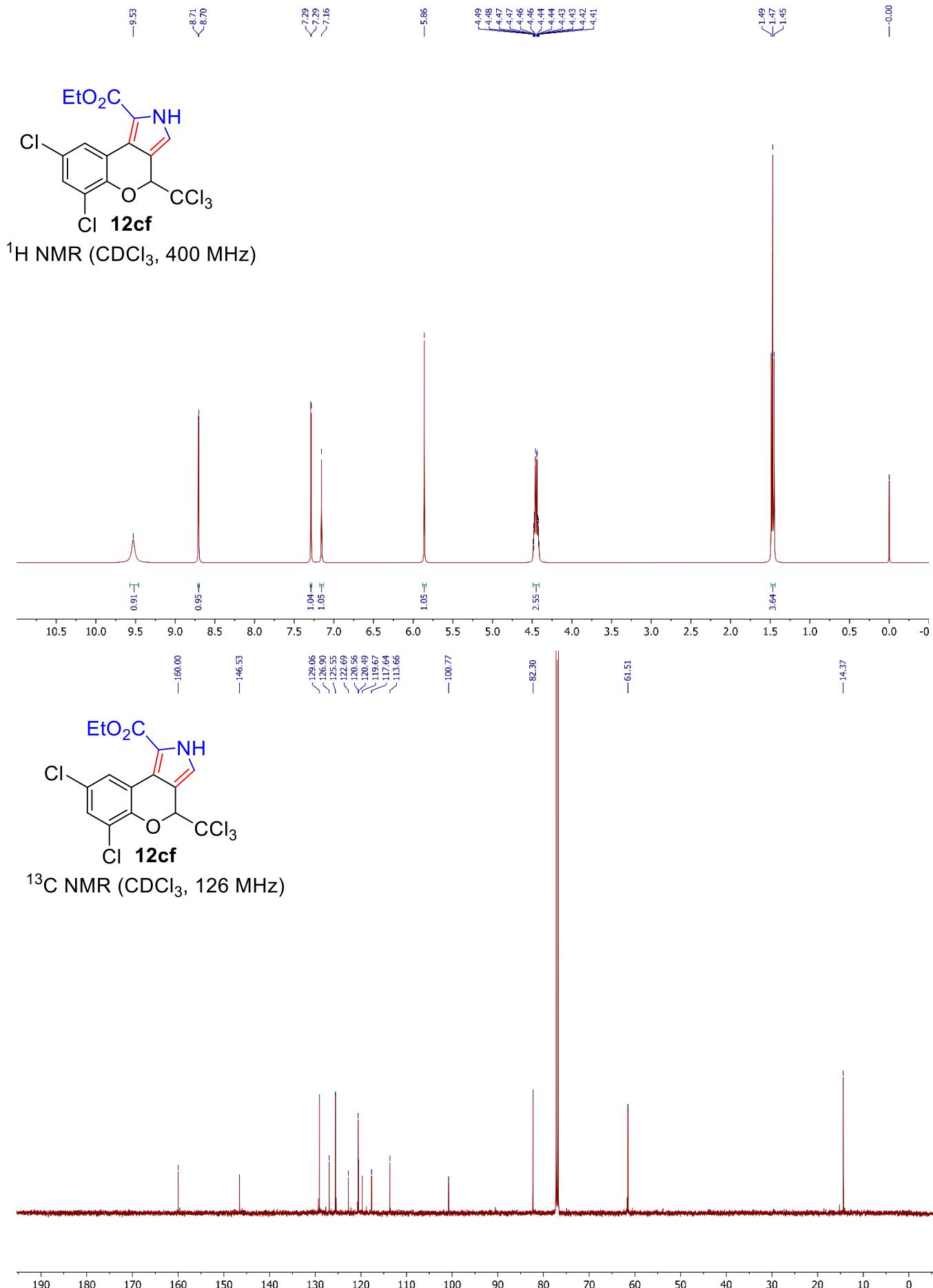


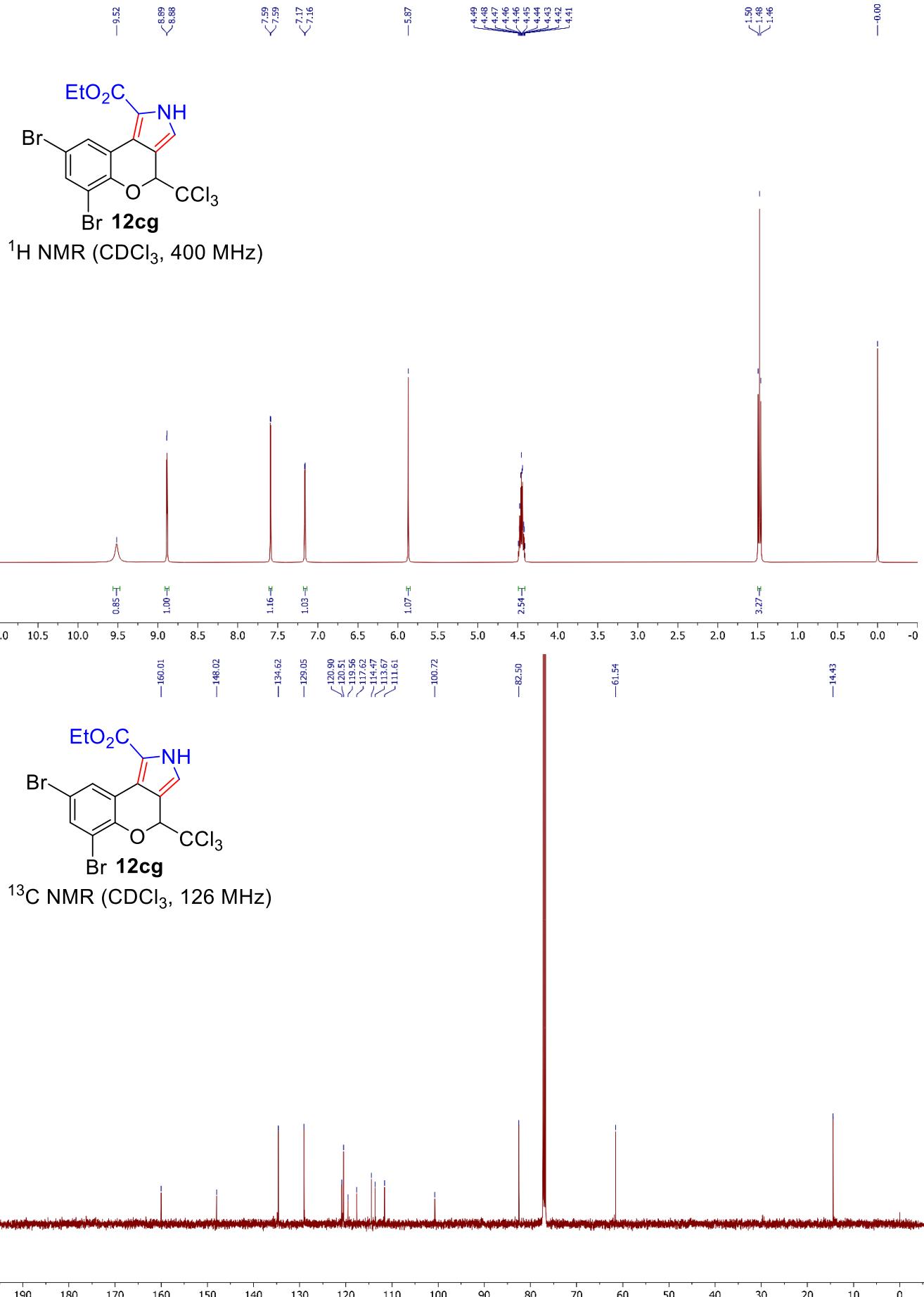


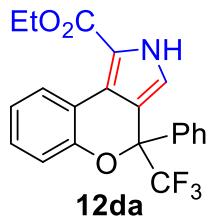




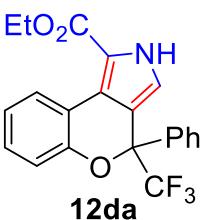
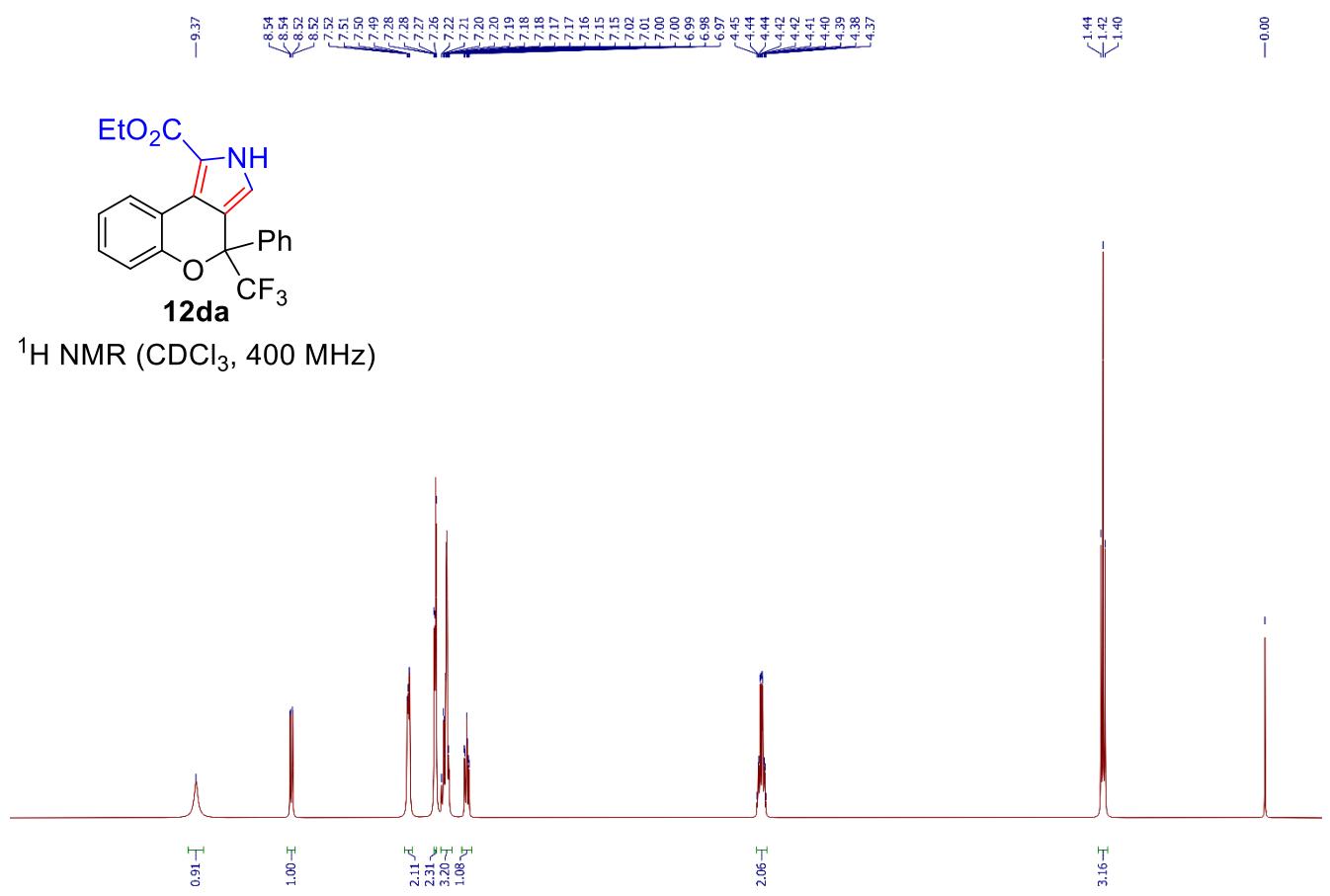




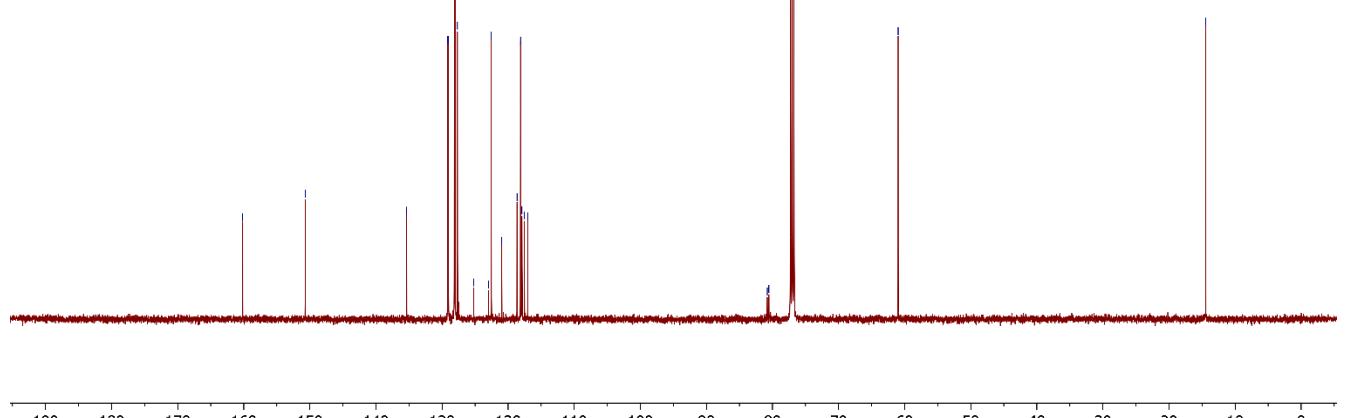


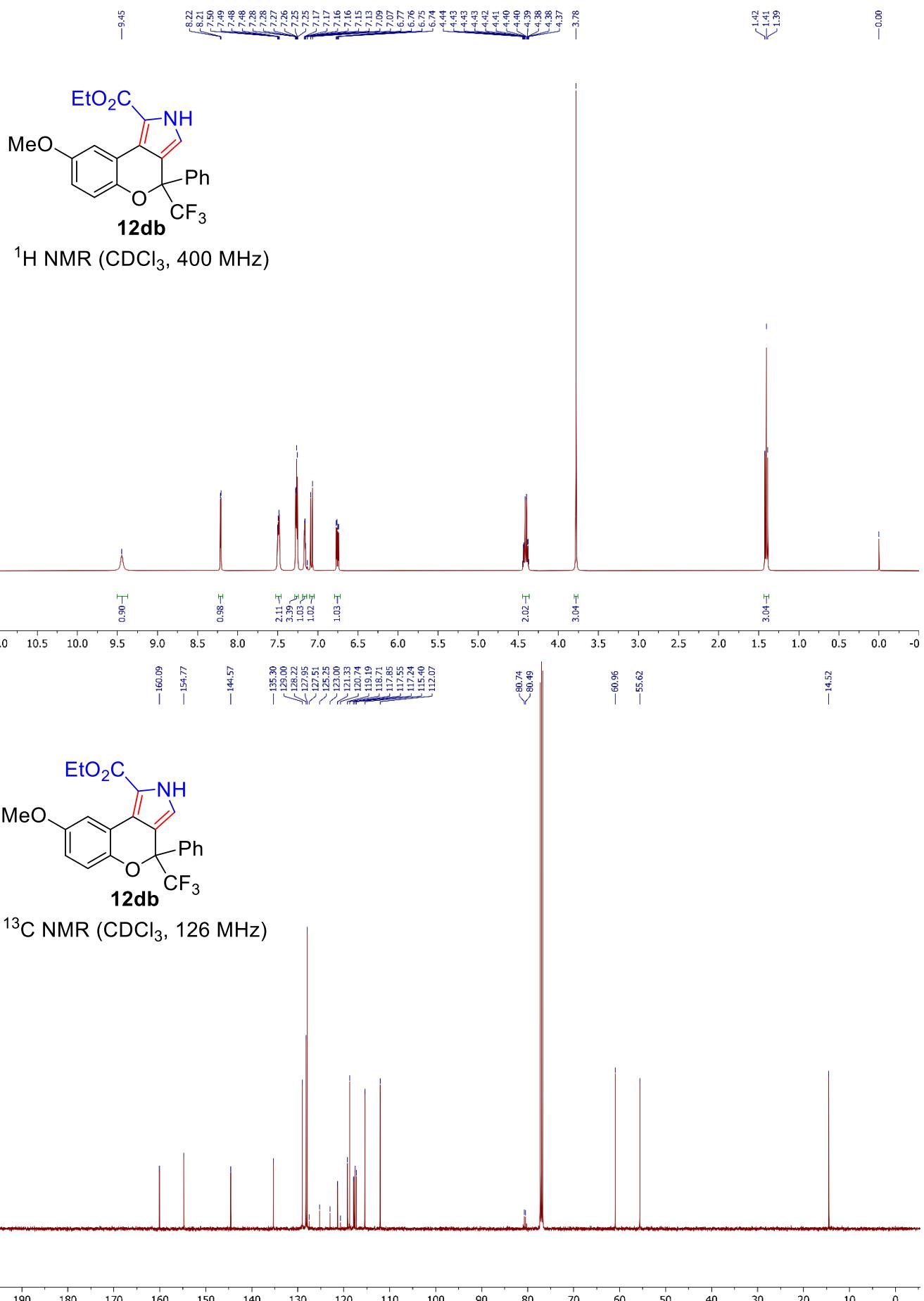


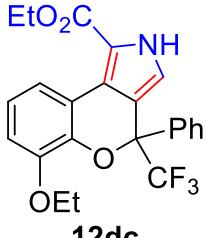
¹H NMR (CDCl₃, 400 MHz)



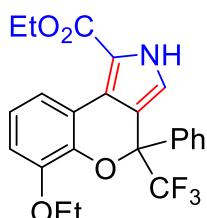
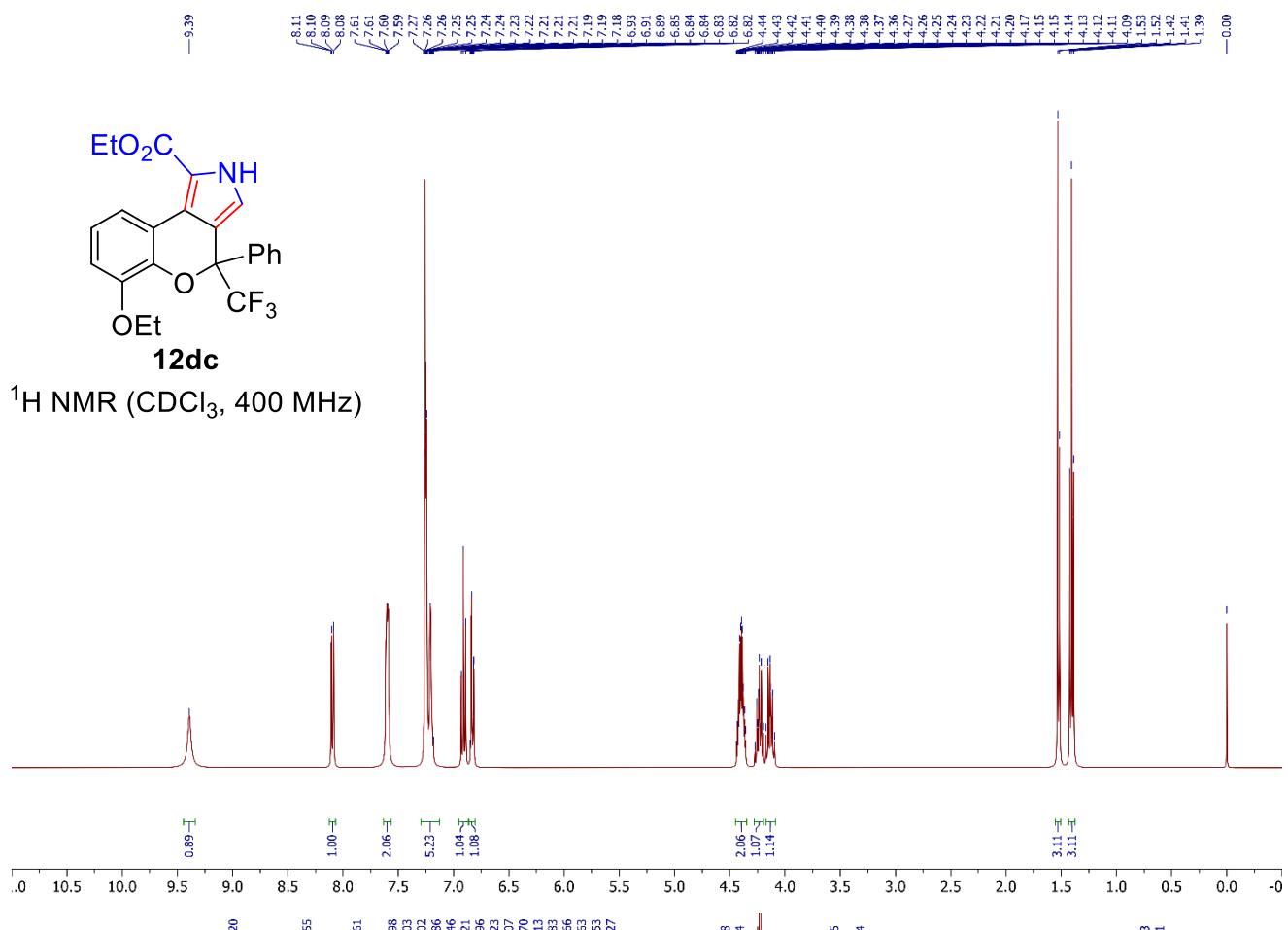
¹³C NMR (CDCl₃, 126 MHz)



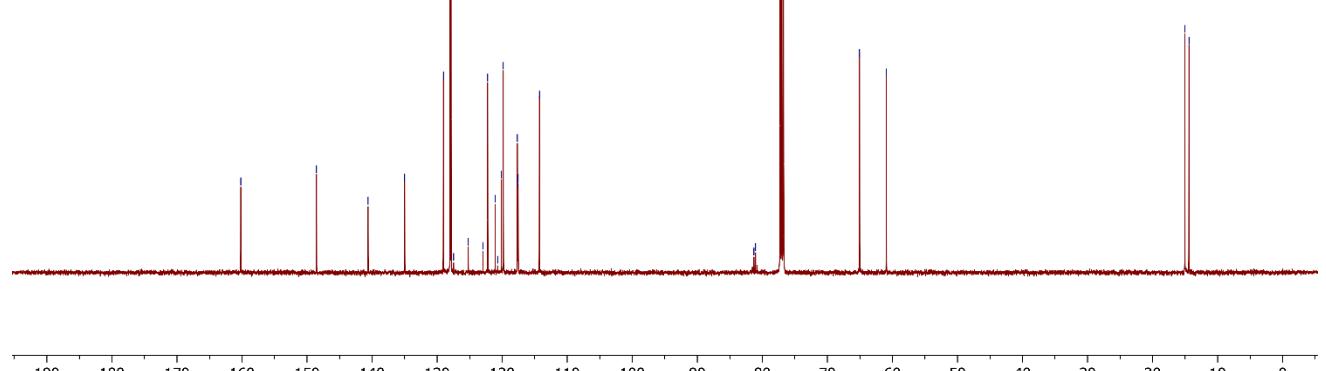


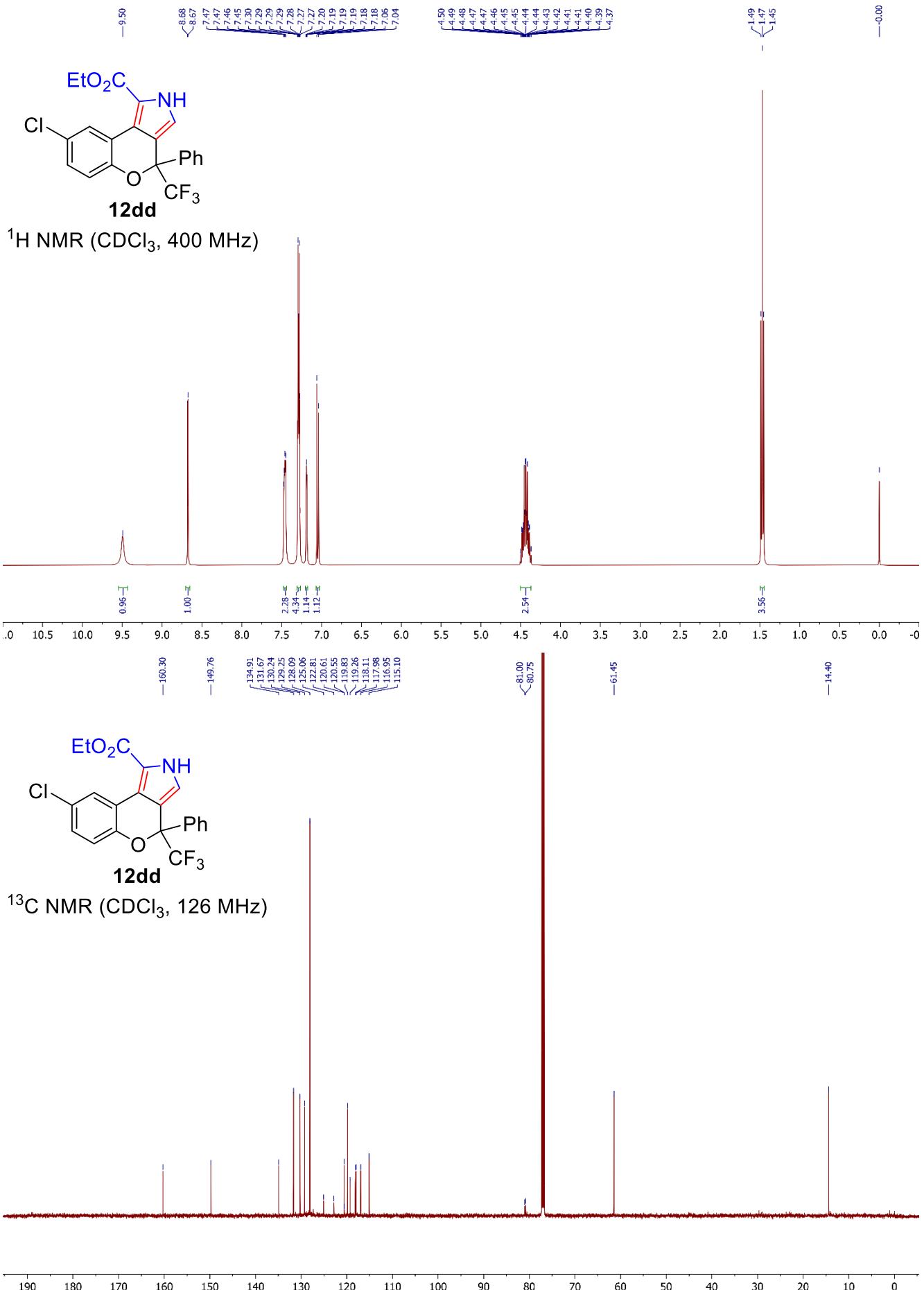


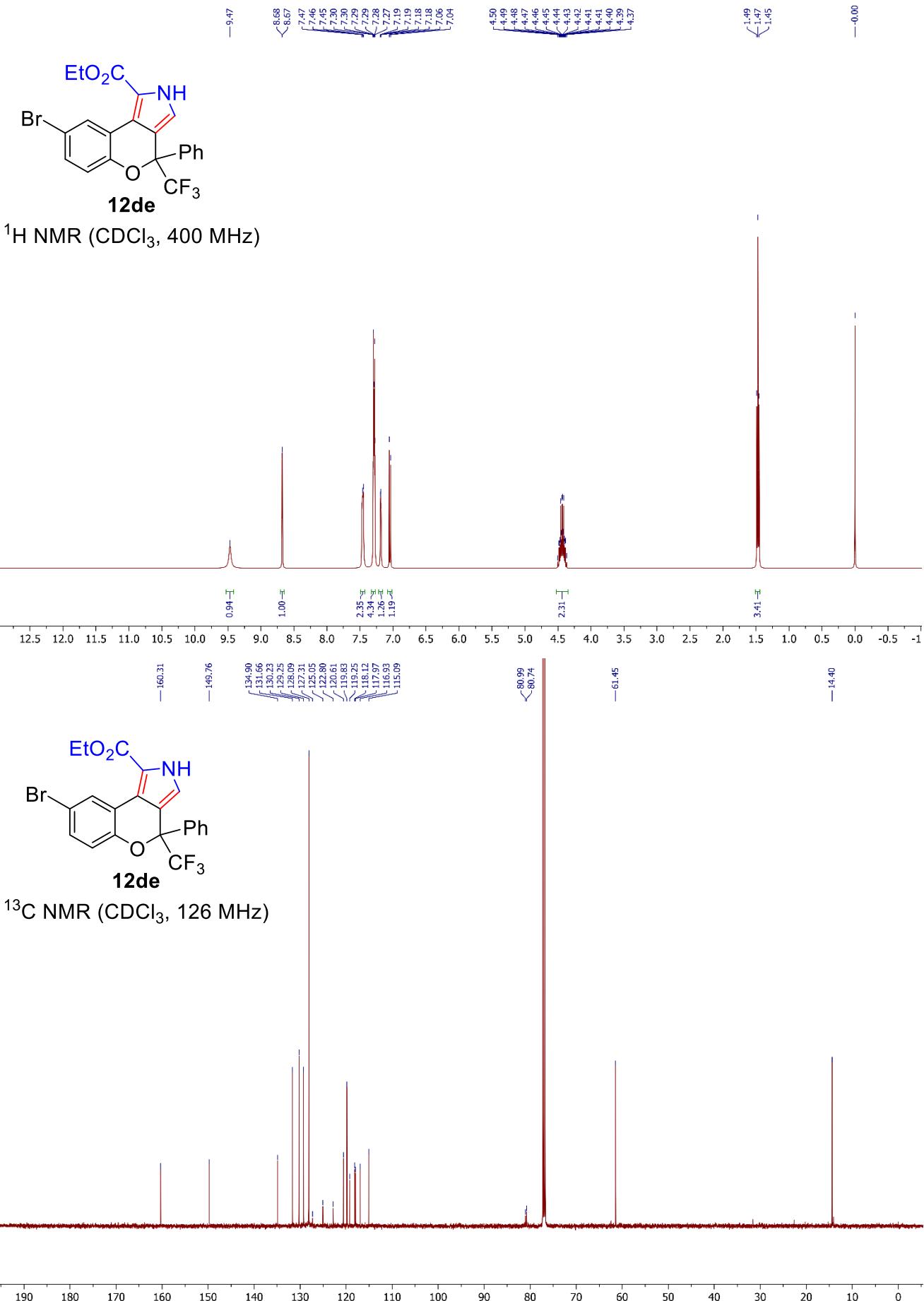
¹H NMR (CDCl₃, 400 MHz)

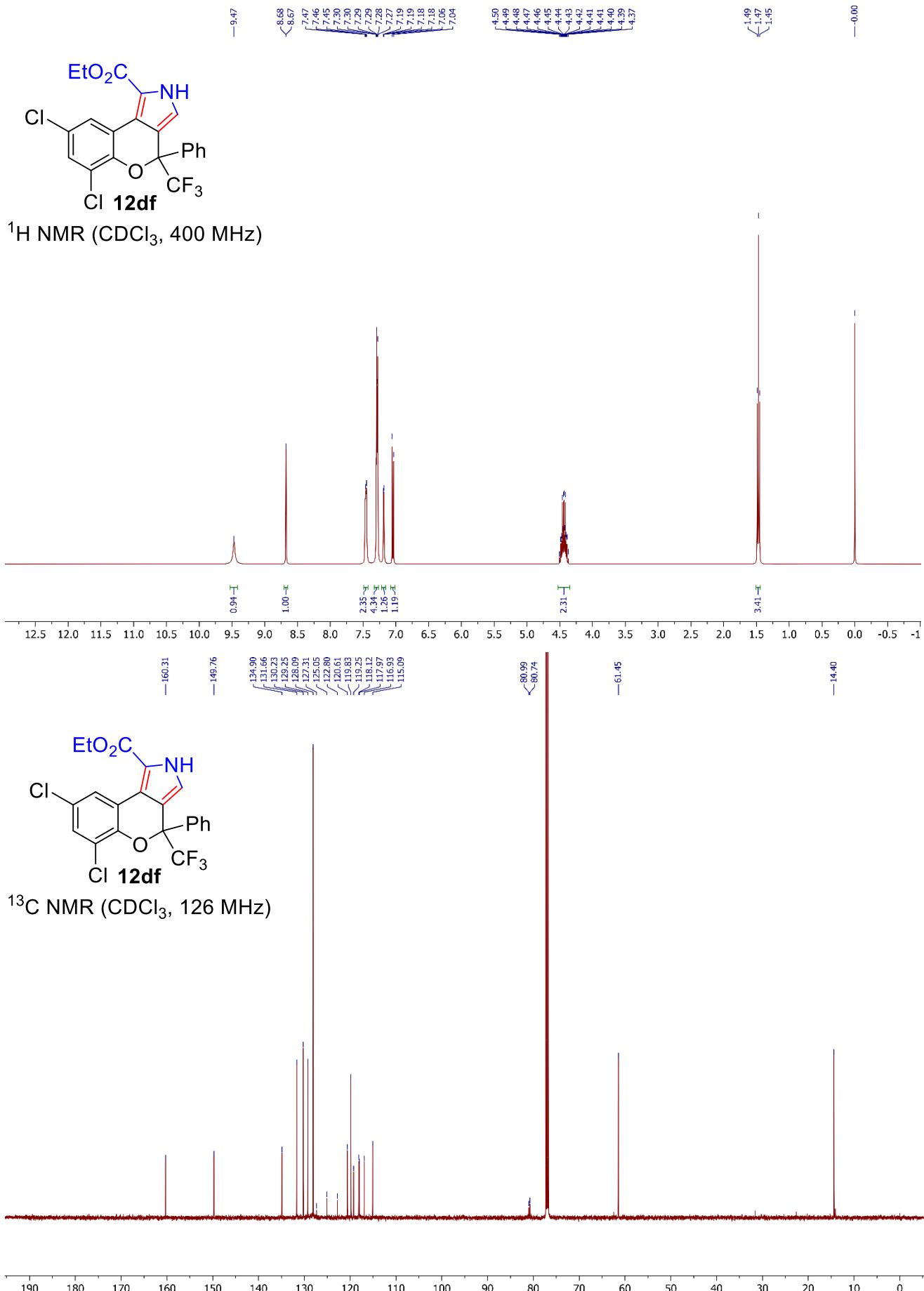


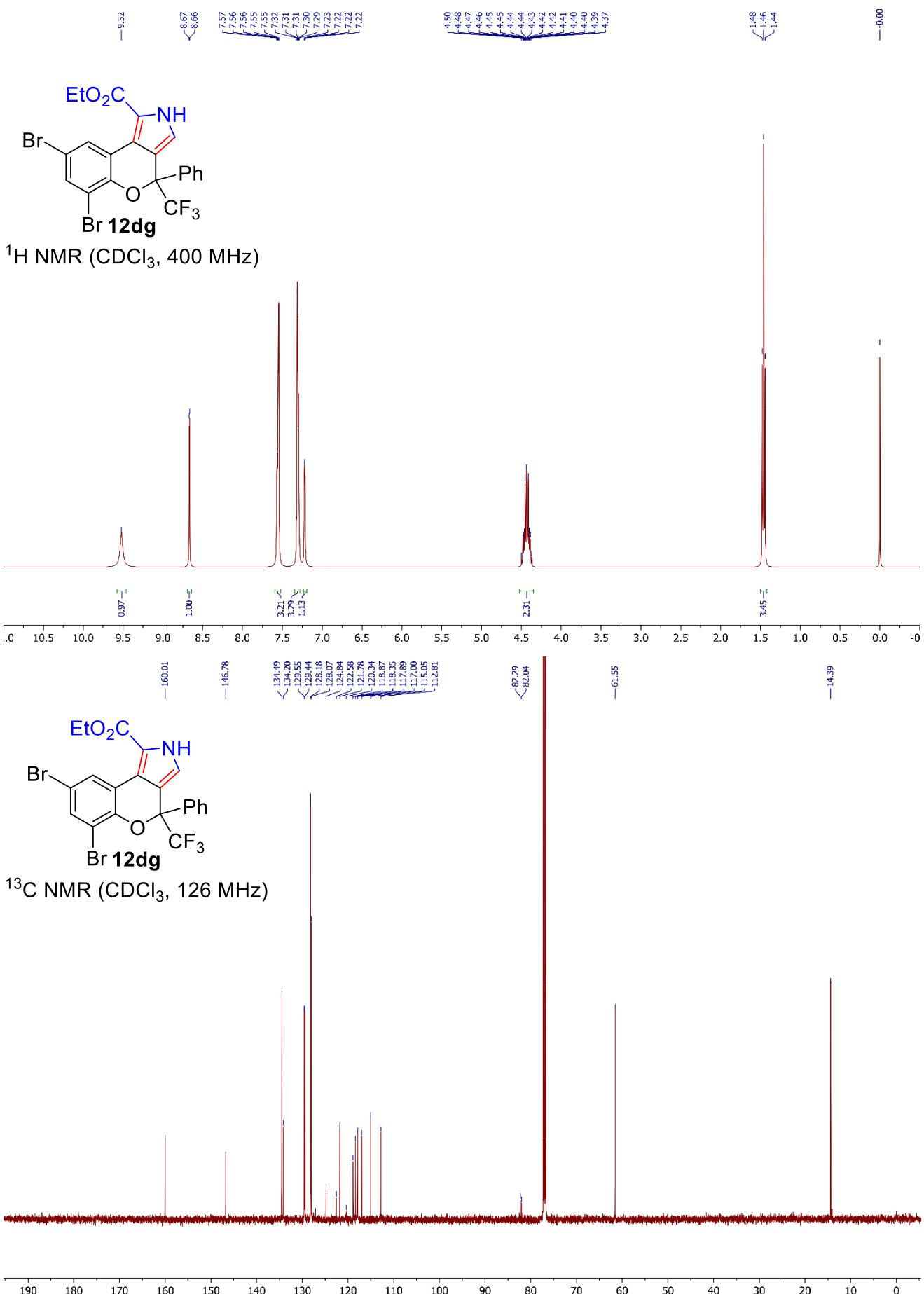
¹³C NMR (CDCl₃, 126 MHz)

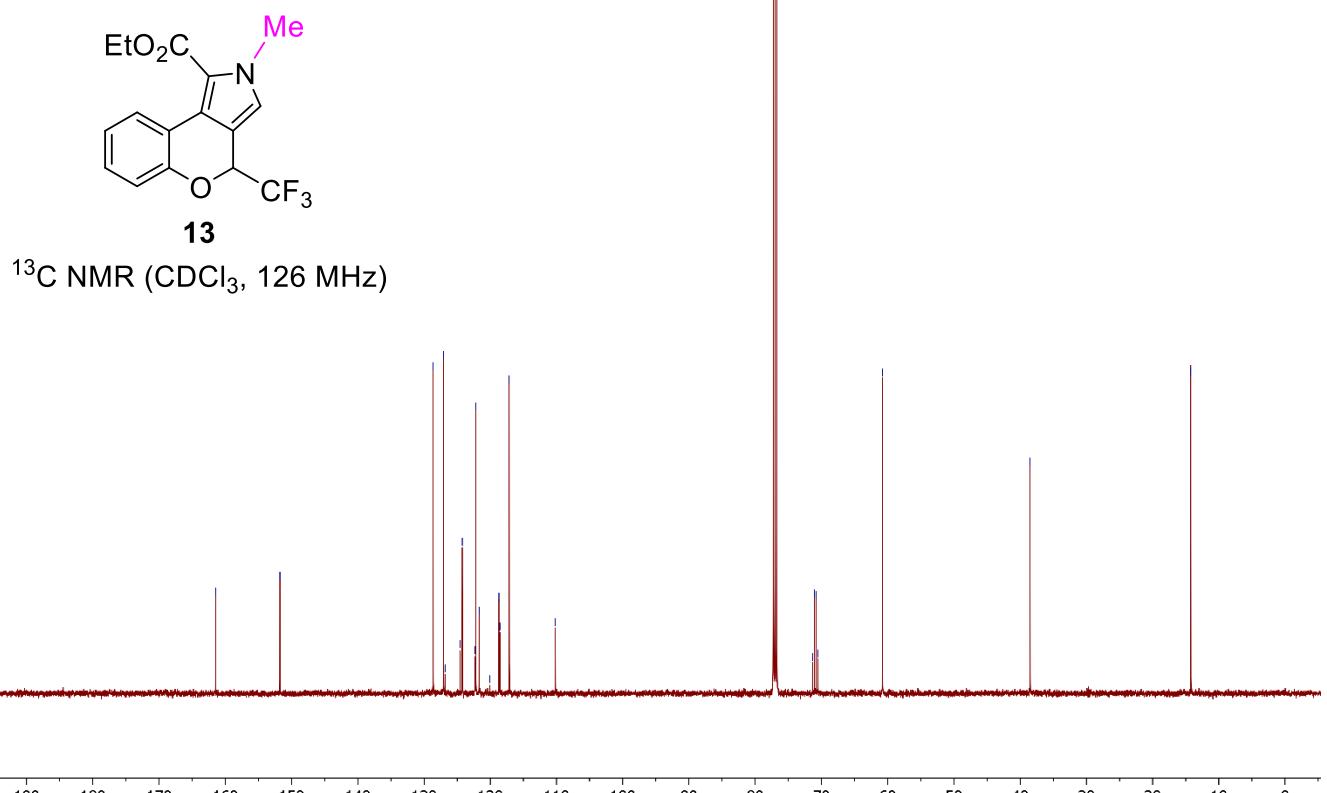
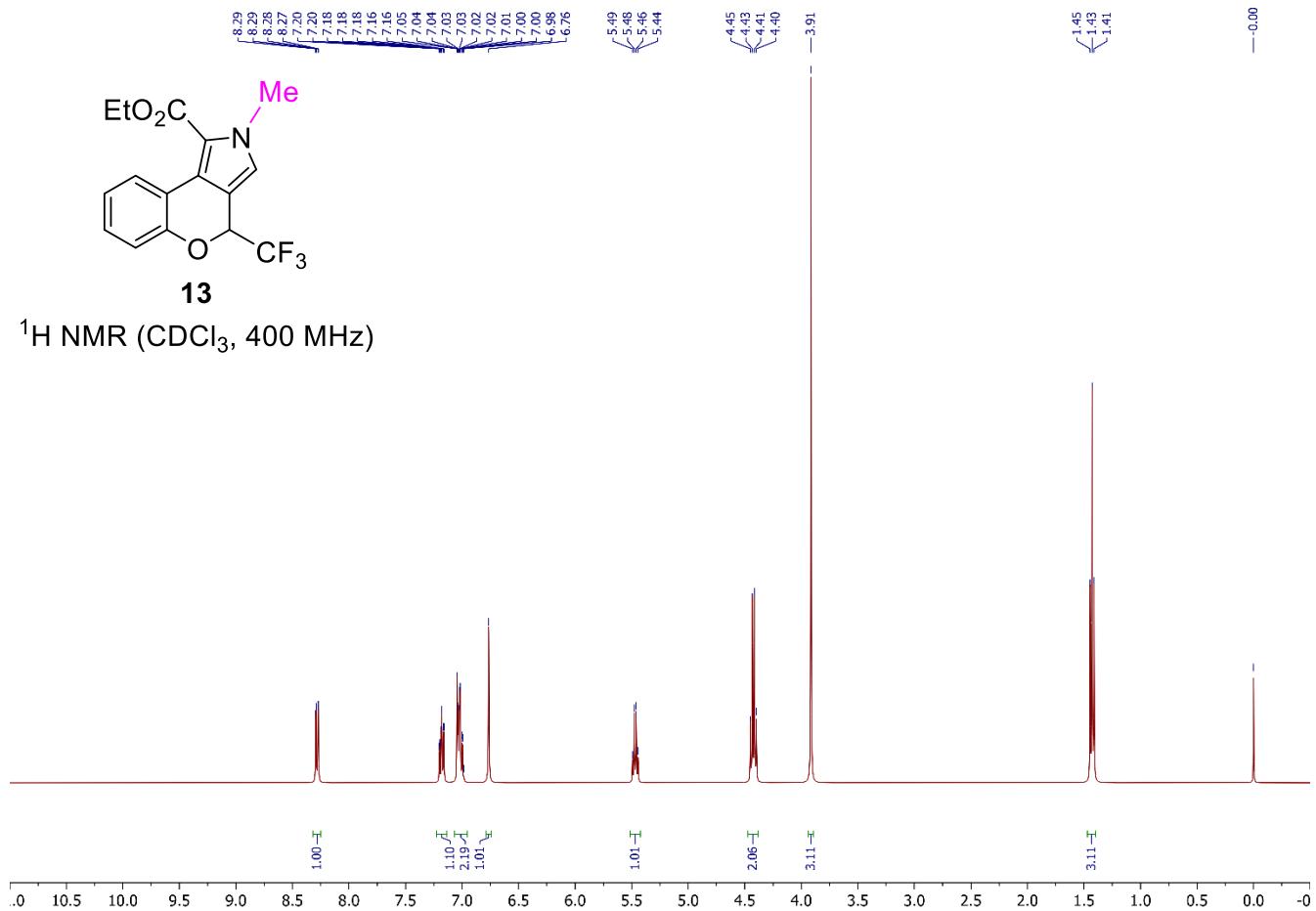


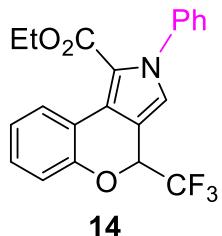




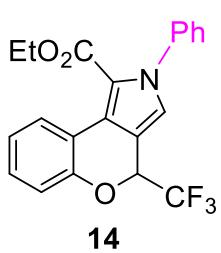
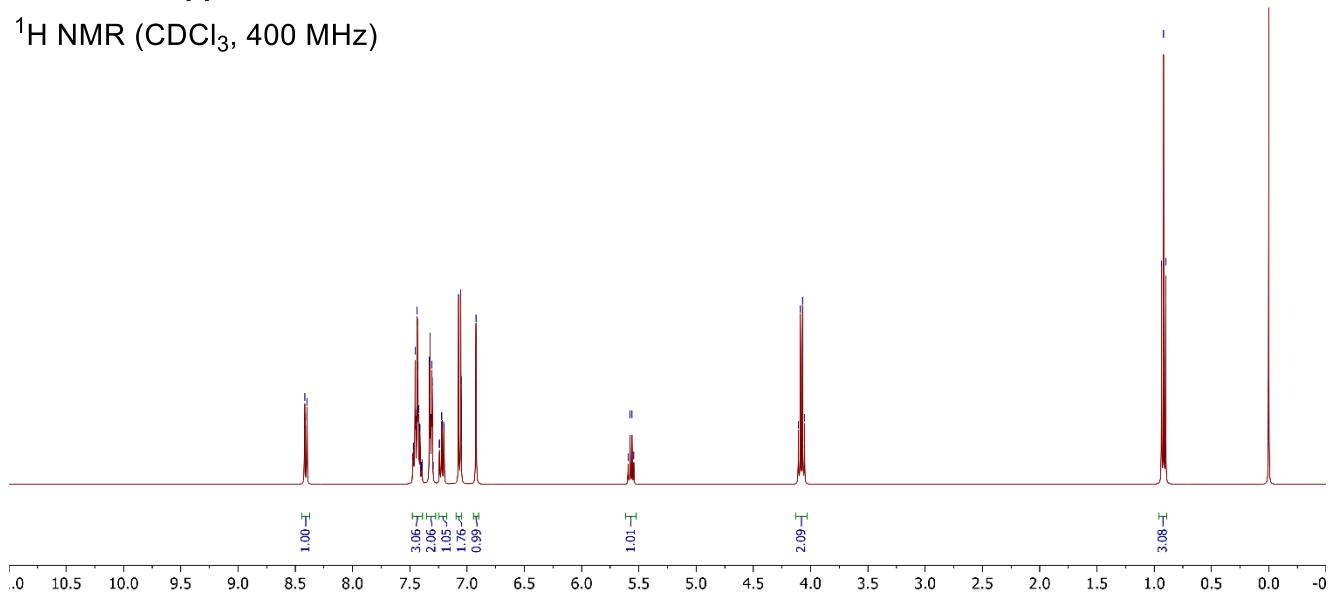








¹H NMR (CDCl₃, 400 MHz)



¹³C NMR (CDCl₃, 126 MHz)

