

Supplementary Material

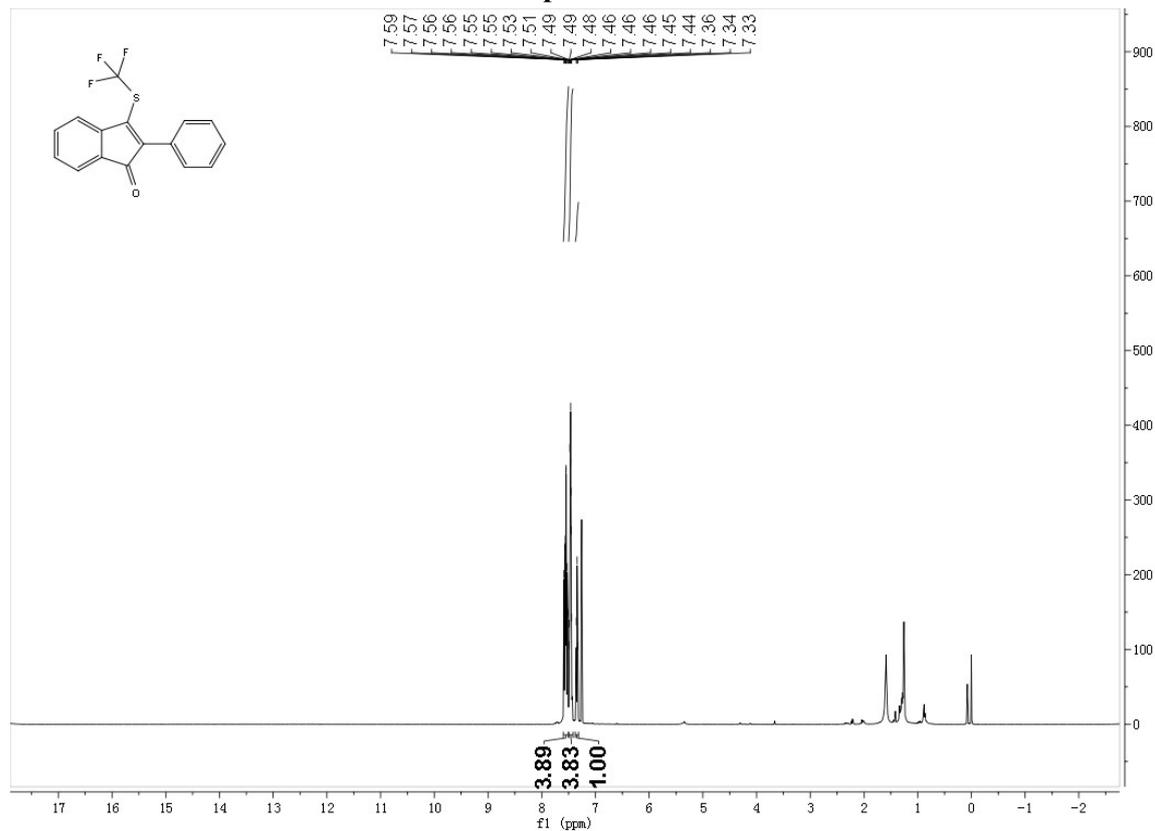
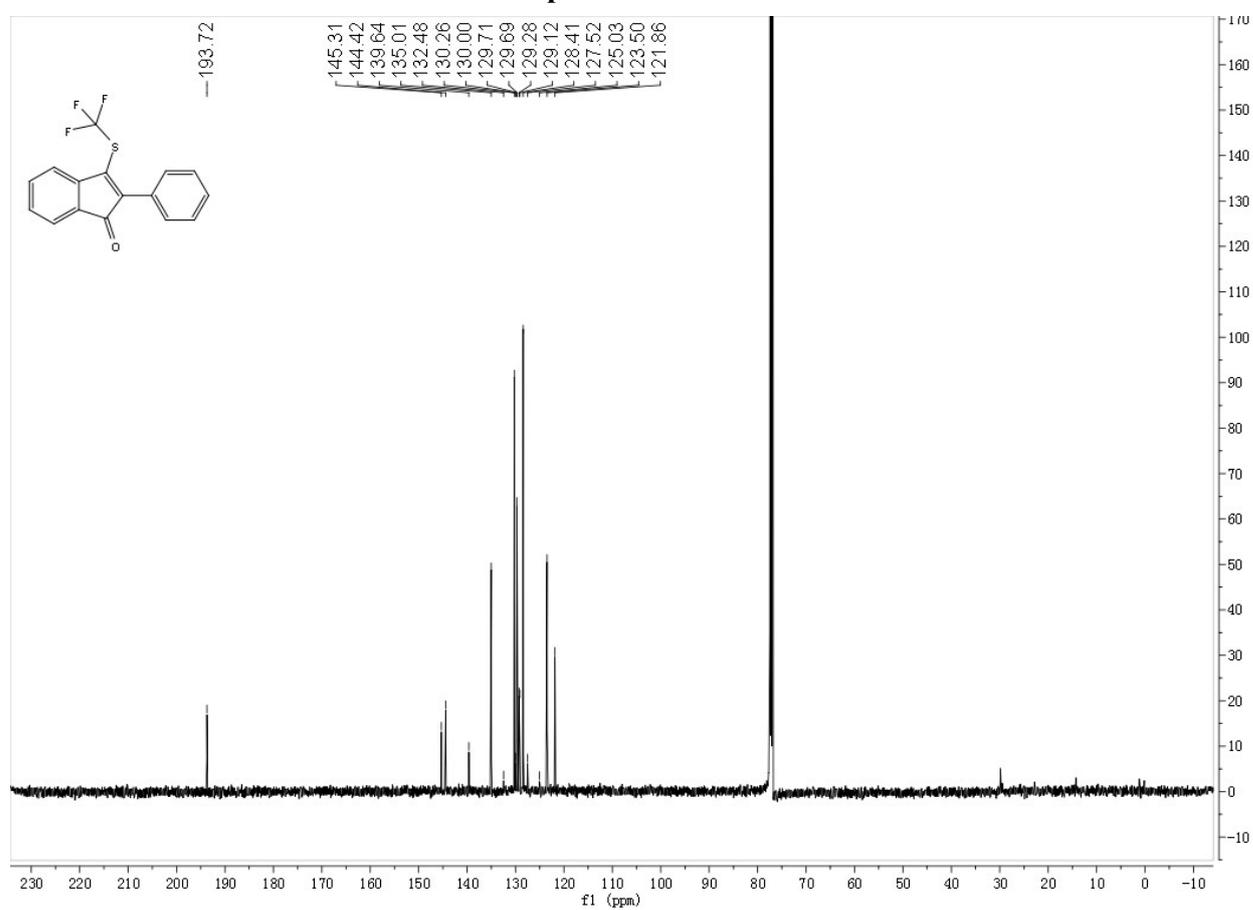
A facile trifluoromethylthiolation of 3-chloro-1*H*-inden-1-ones employing AgSCF₃ and KI

Biao Dong,¹ Xiaofei Zhang,² Ruiling Liu,² and Chunhao Yang^{*2}

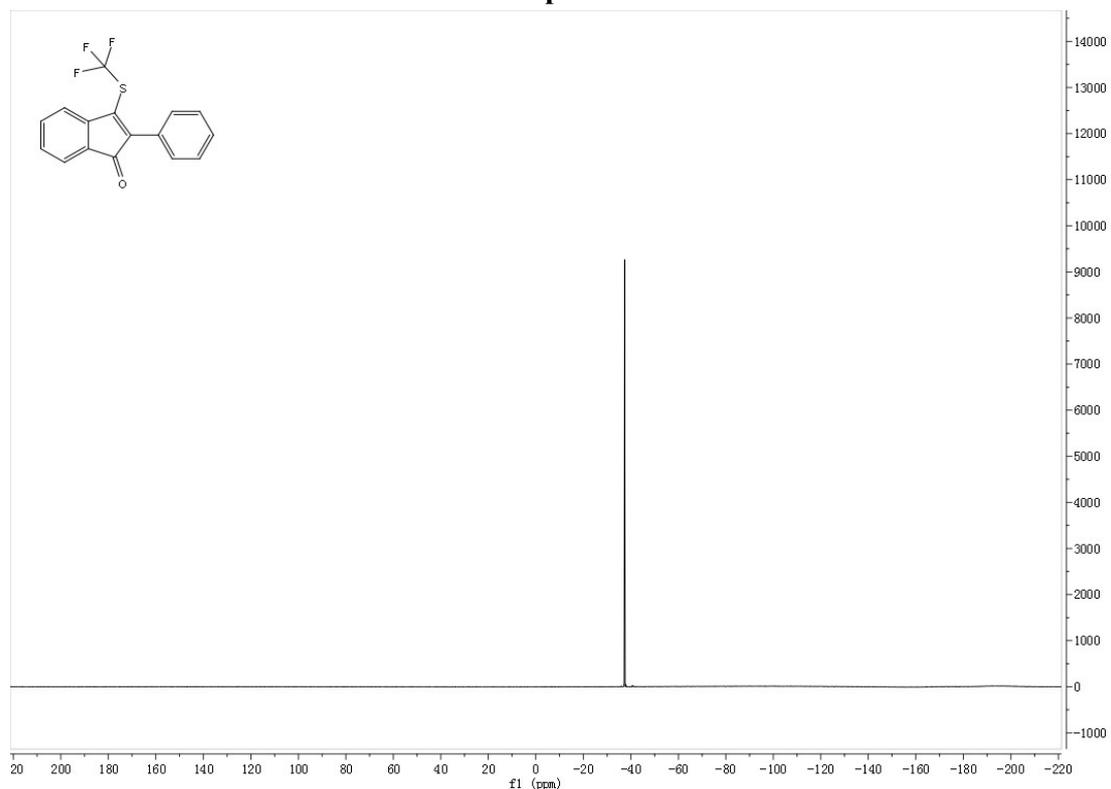
¹*Nano Science and Technology Institute, University of Science and Technology of China, 215123 Suzhou, China*

²*State Key Laboratory of Drug Research, Shanghai Institute of Materia Medica, Chinese Academy of Sciences, 201203 Shanghai, China; University of Chinese Academy of Sciences, No.19A Yuquan Road, Beijing 100049, China*

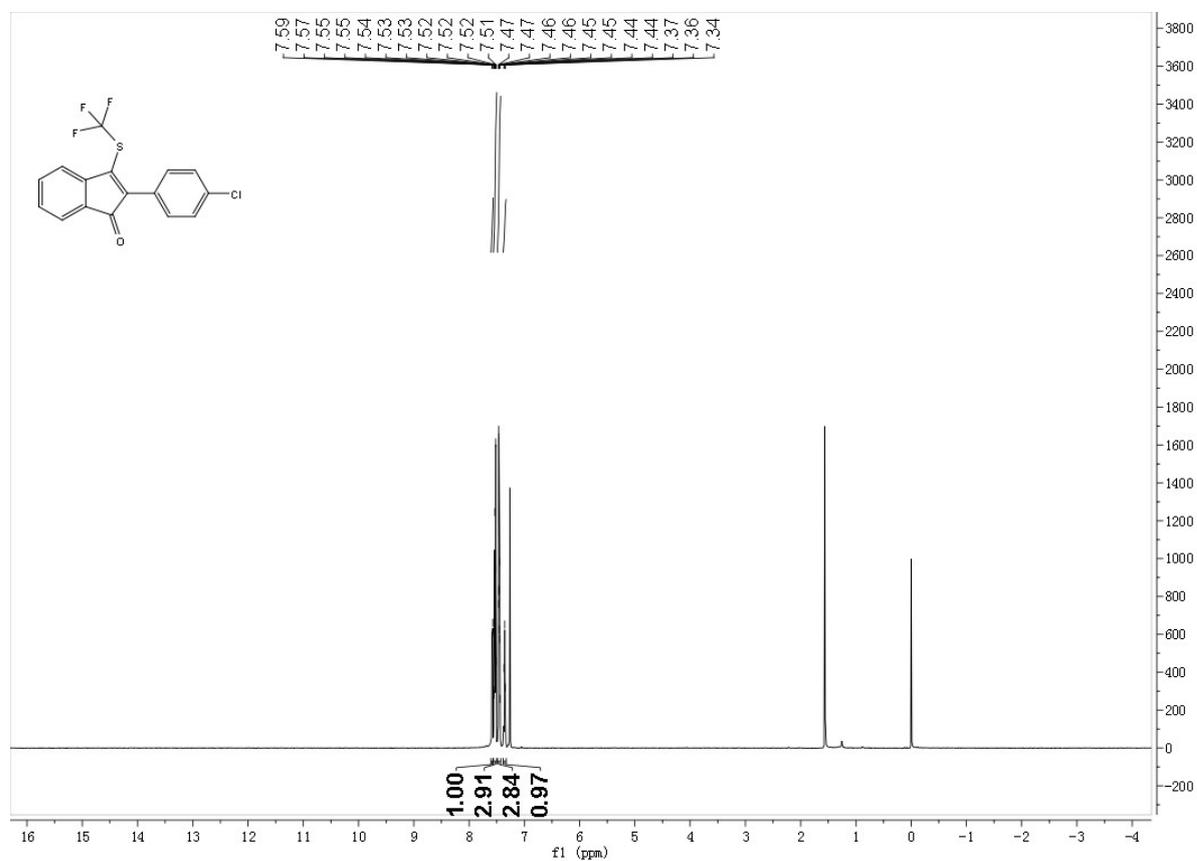
Email: chyang@simm.ac.cn

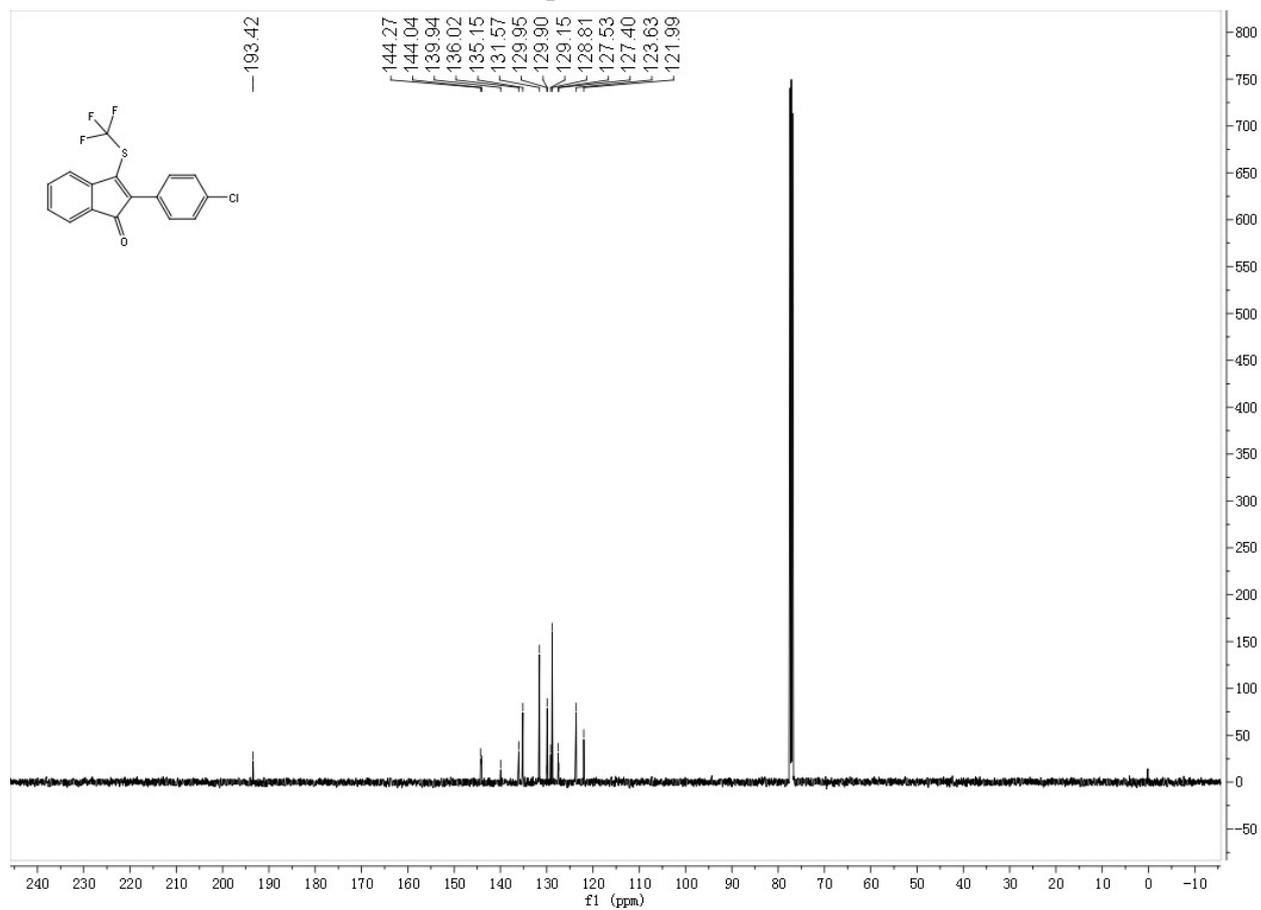
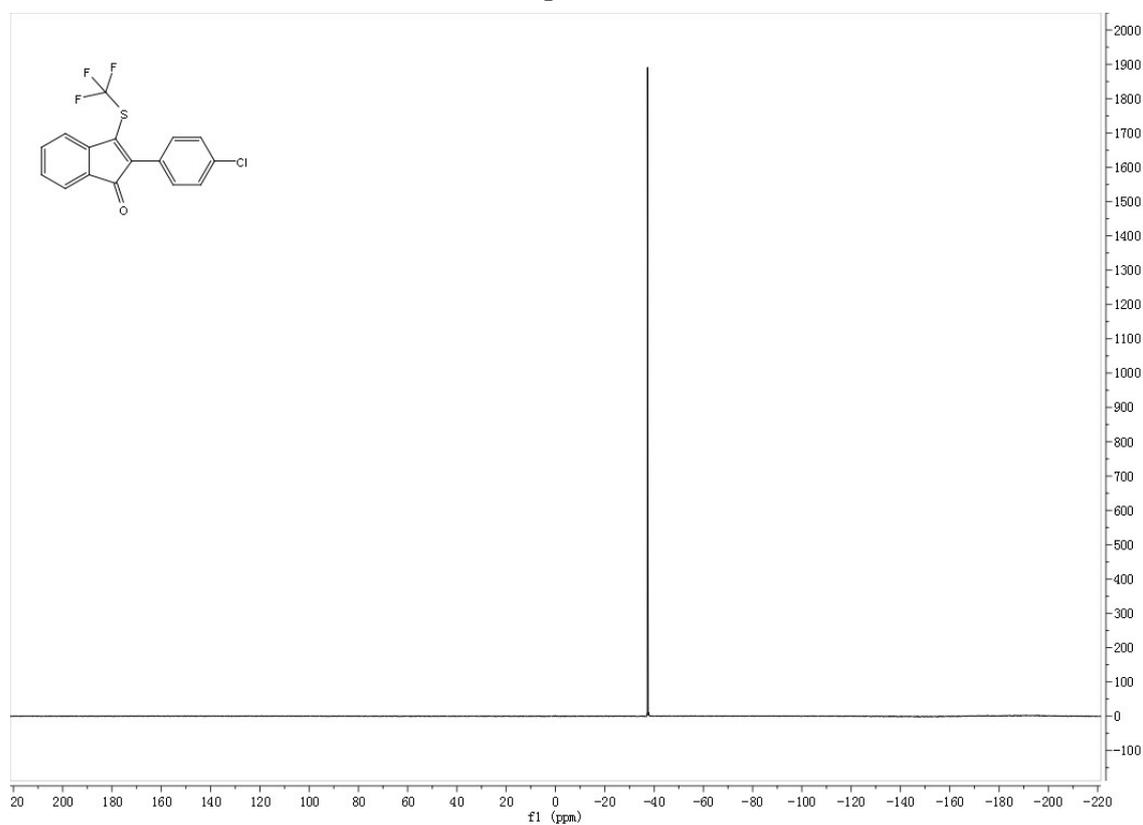
¹H NMR spectrum of 2a**¹³C NMR spectrum of 2a**

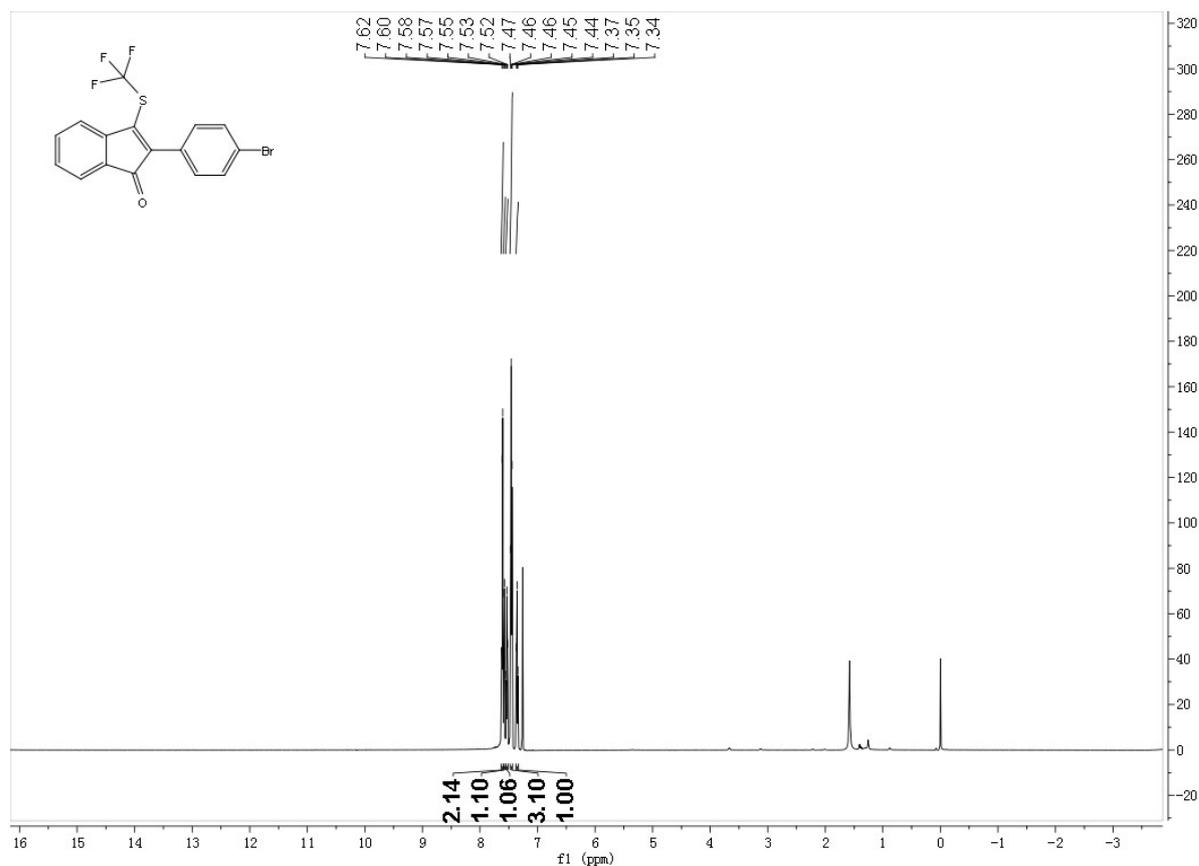
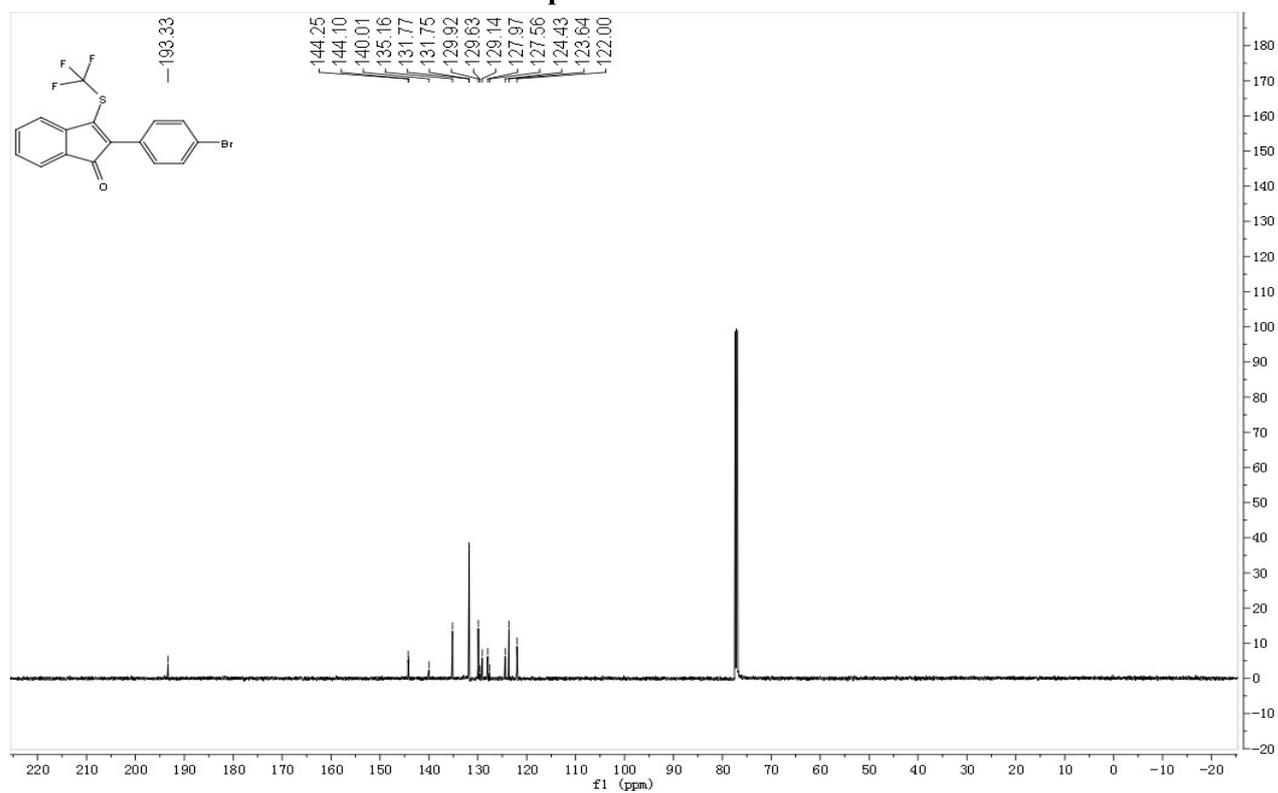
¹⁹F NMR spectrum of 2a

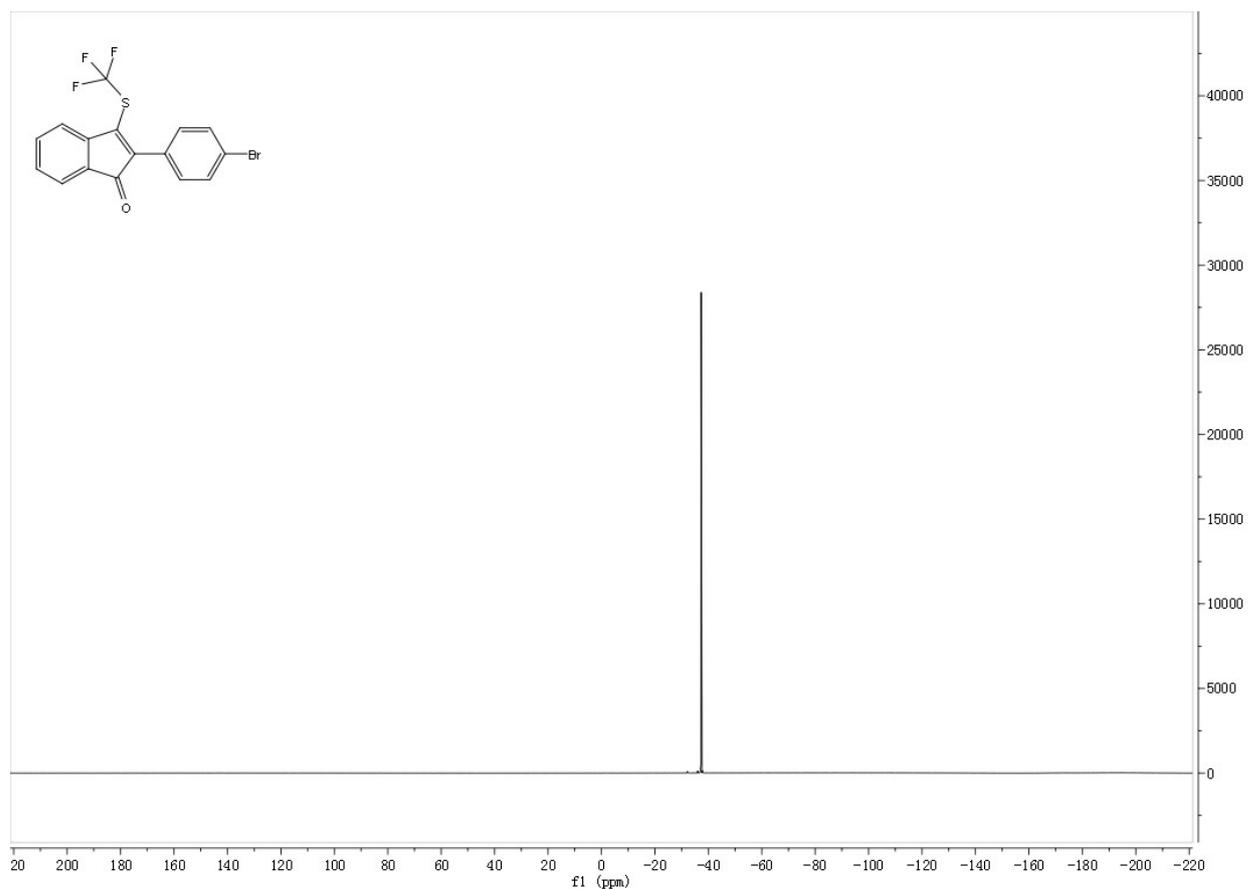
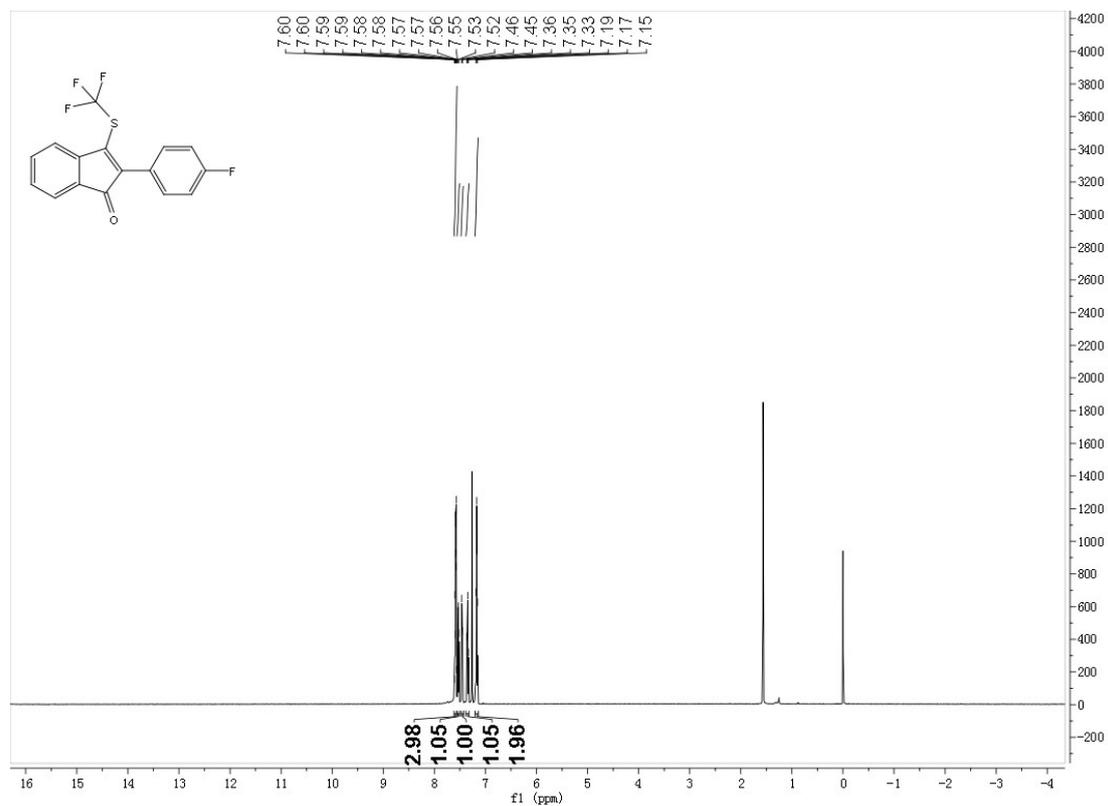


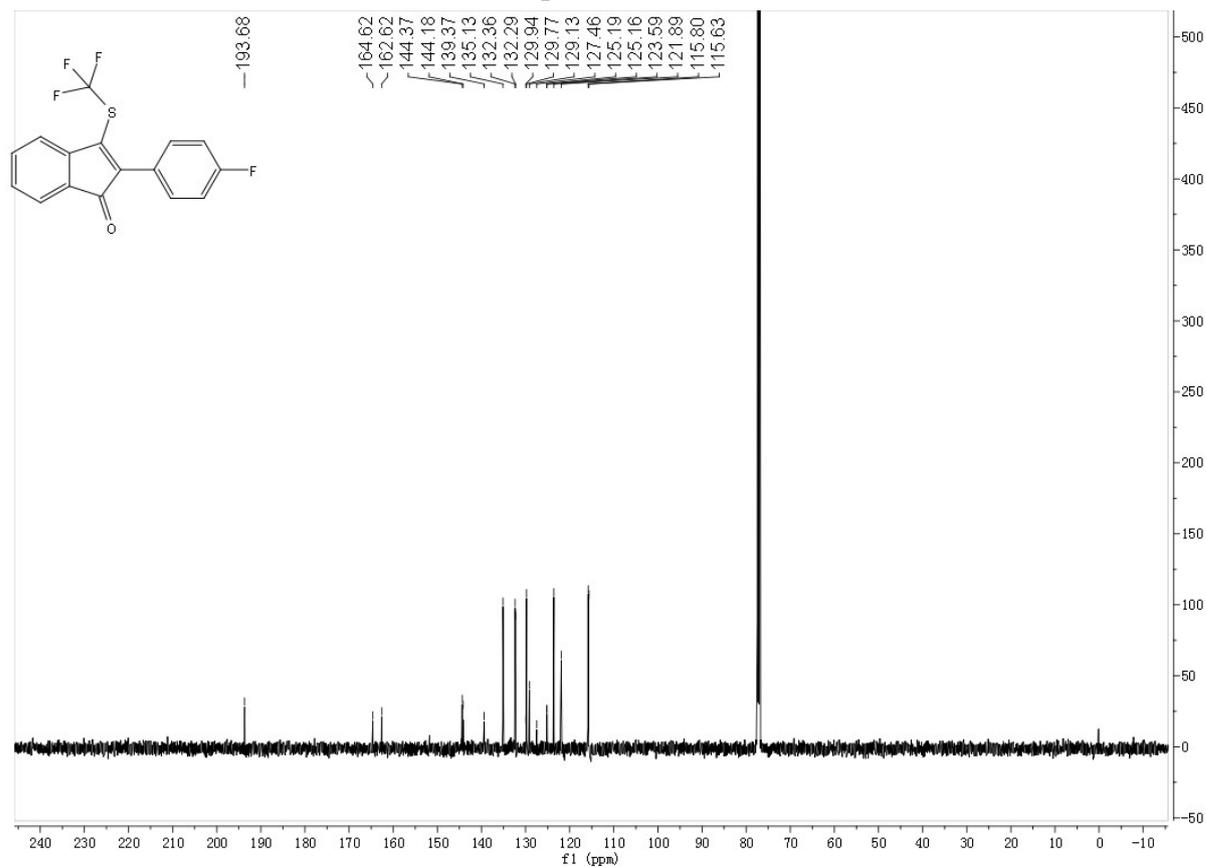
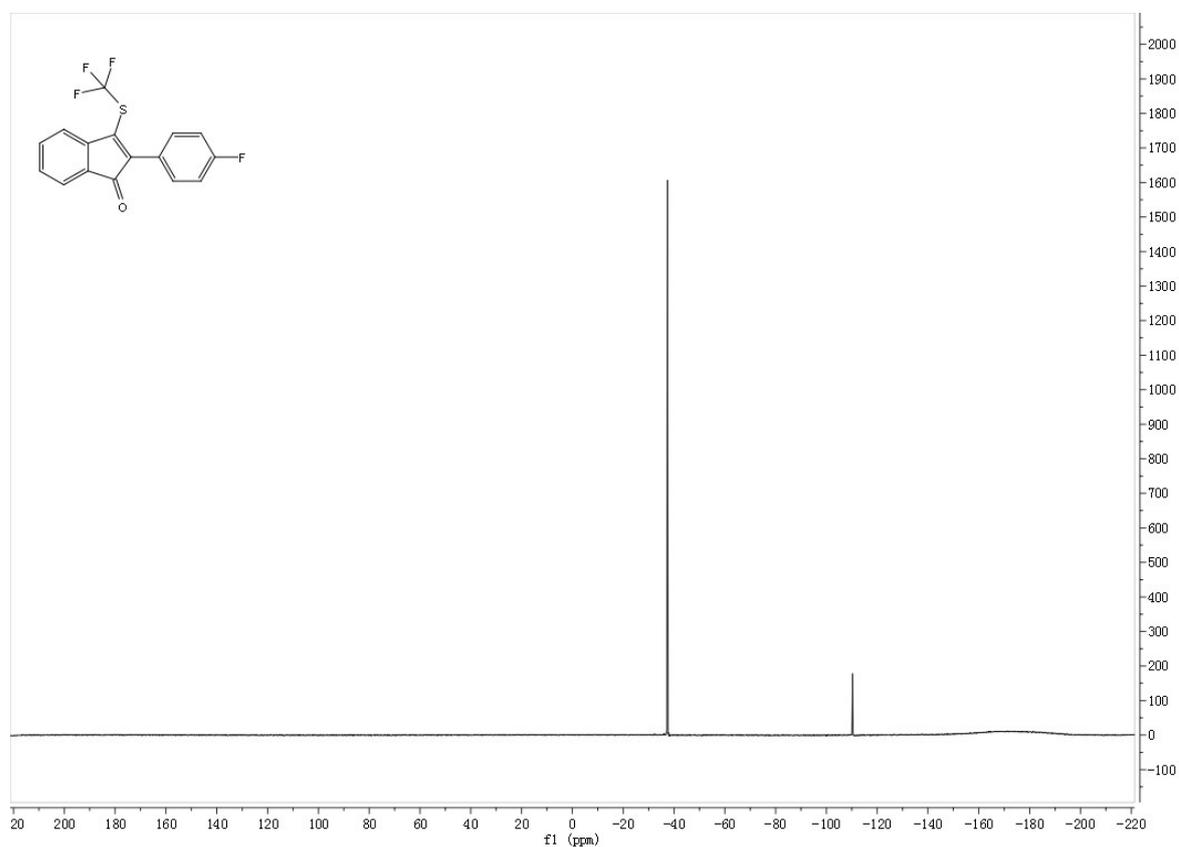
¹H NMR spectrum of 2b

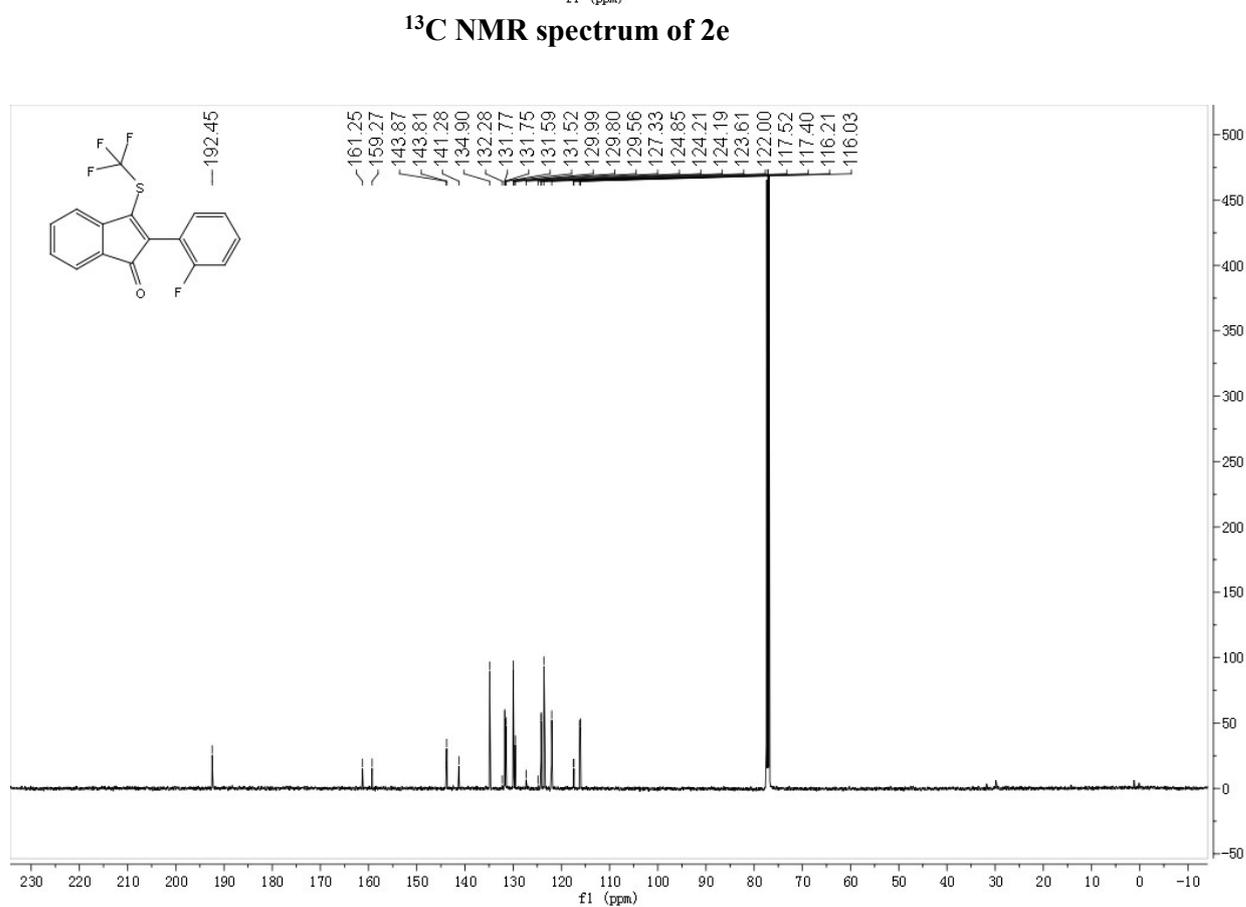
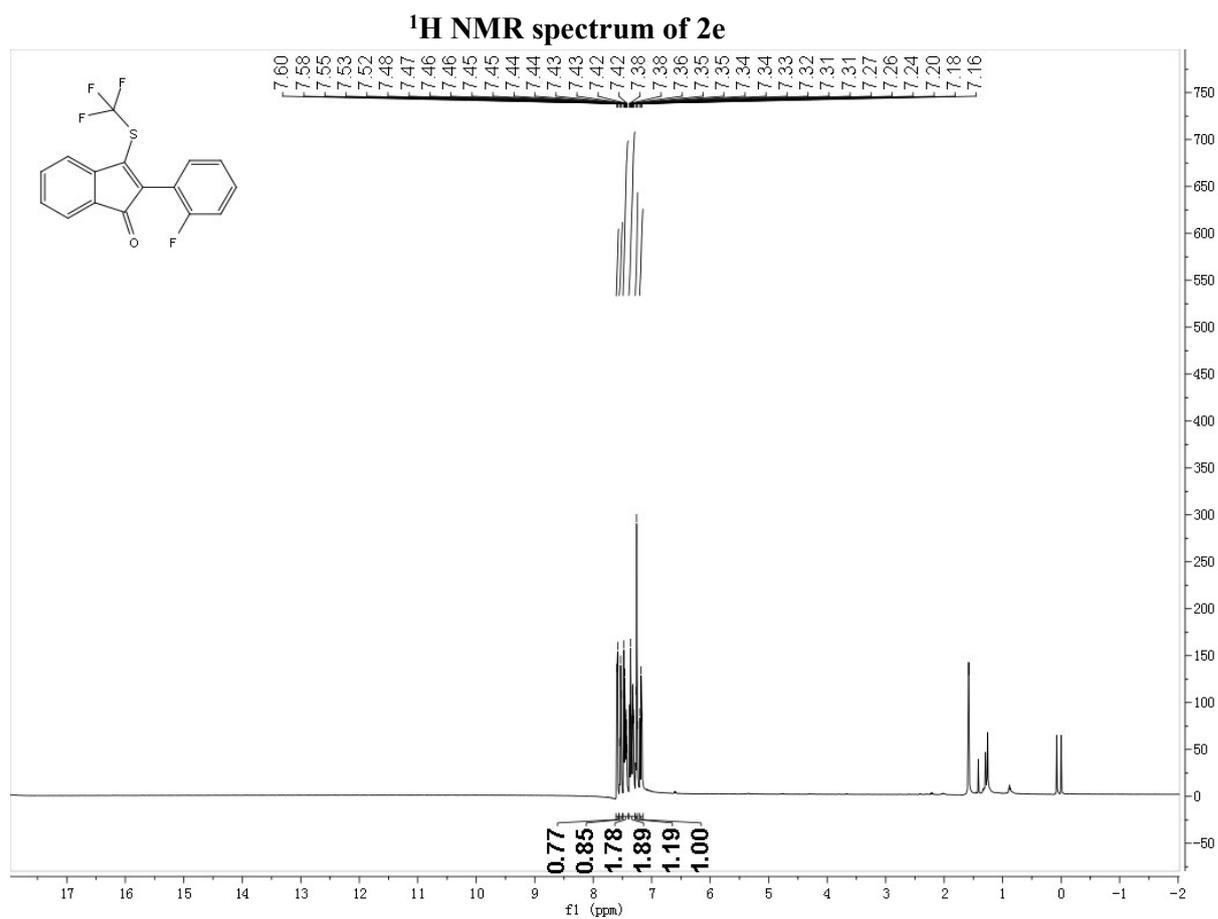


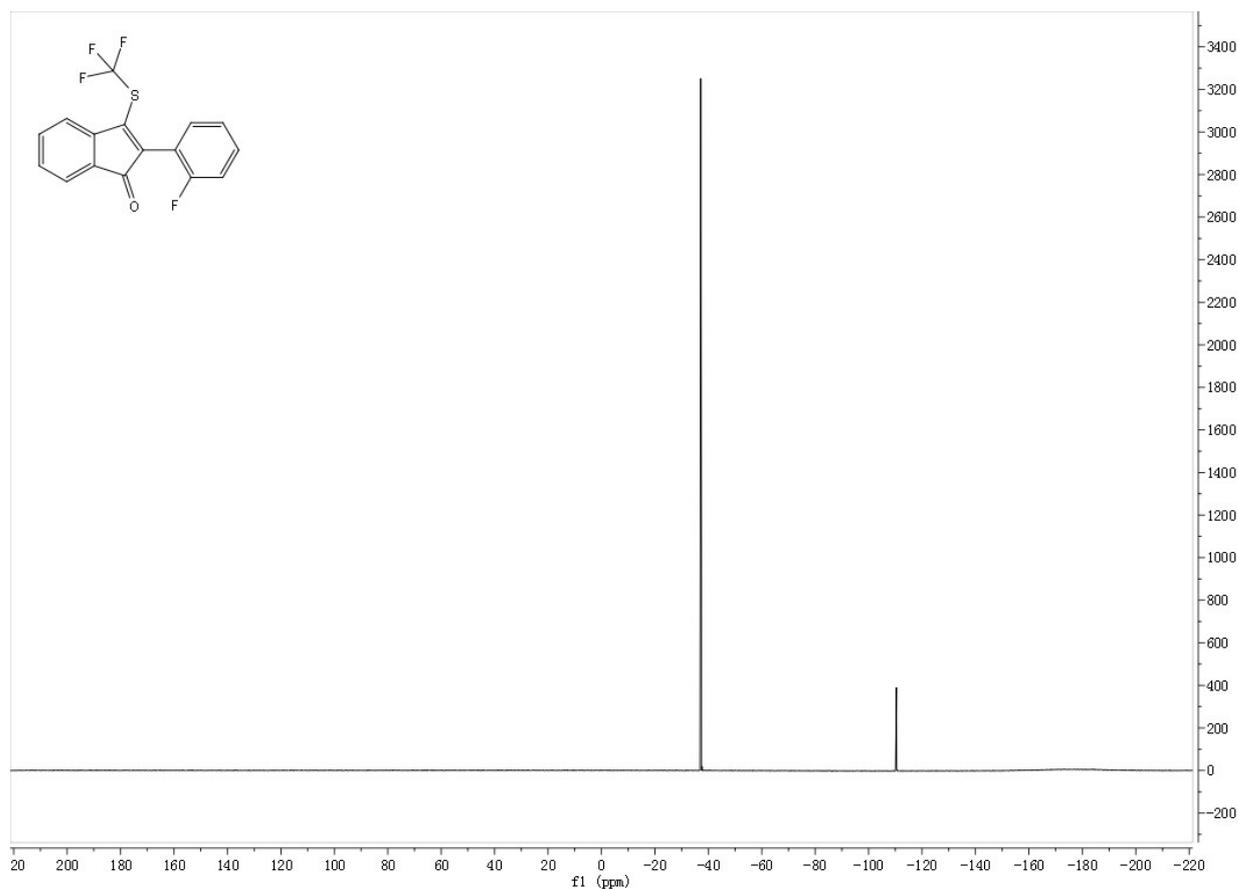
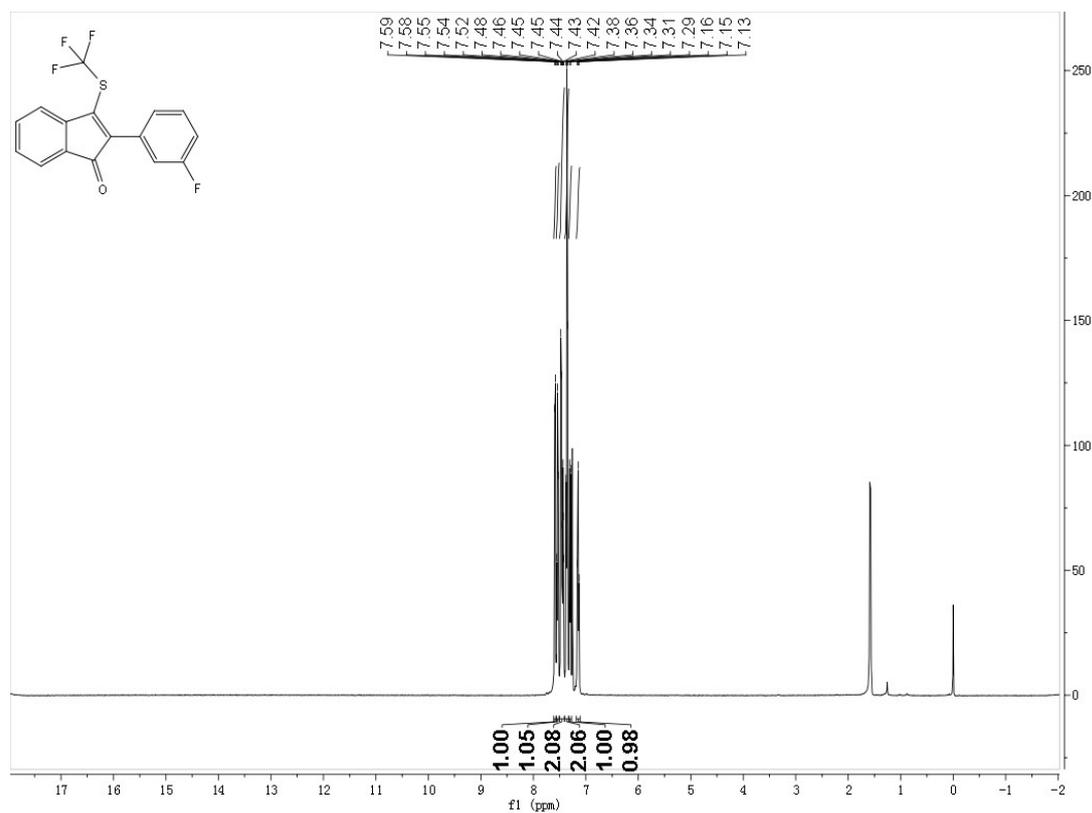
¹³C NMR spectrum of 2b**¹⁹F NMR spectrum of 2b**

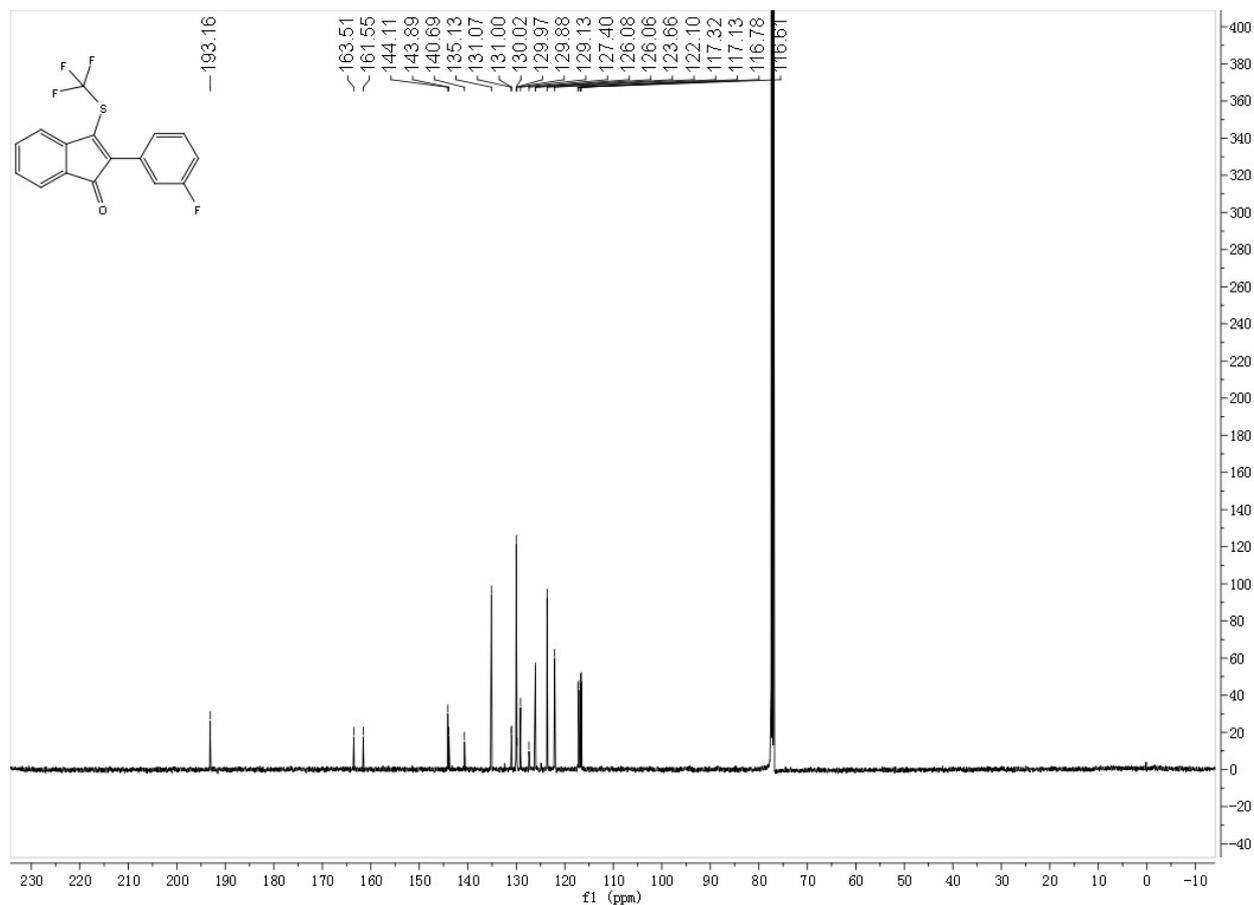
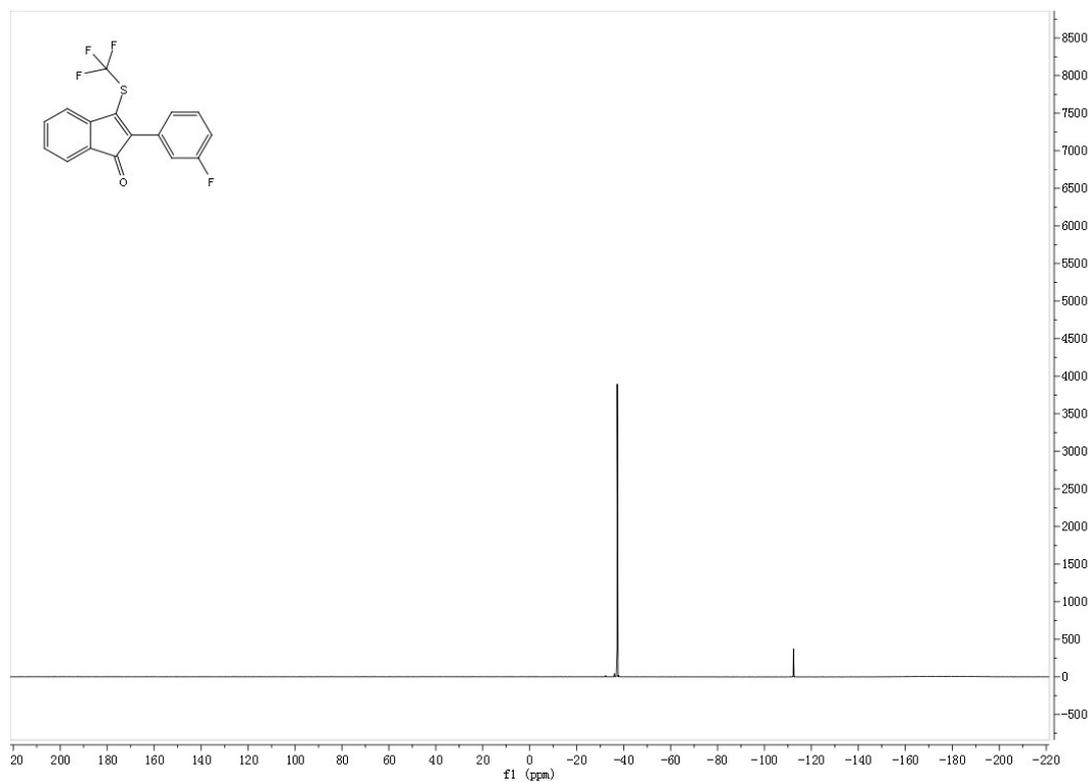
¹H NMR spectrum of 2c**¹³C NMR spectrum of 2c**

^{19}F NMR spectrum of 2c **^1H NMR spectrum of 2d**

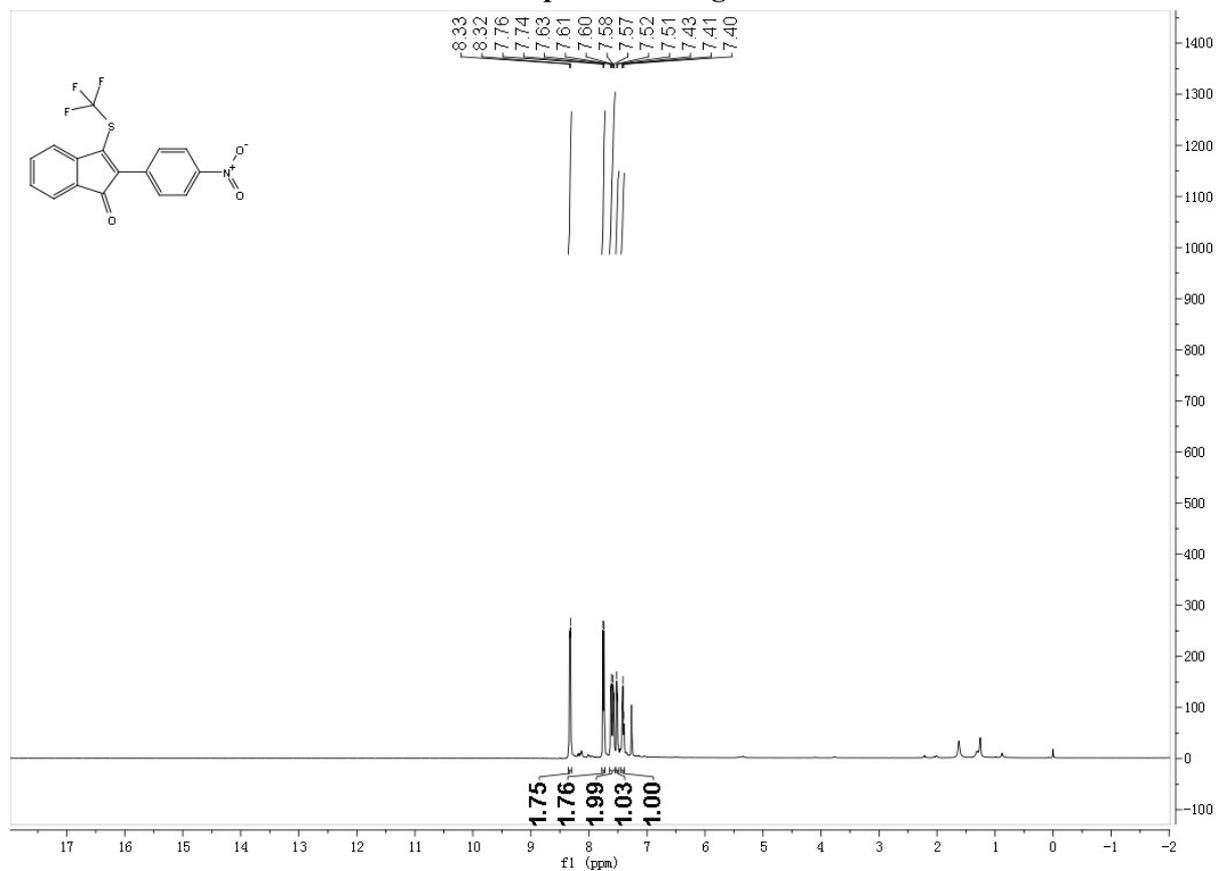
^{13}C NMR spectrum of 2d **^{19}F NMR spectrum of 2d**



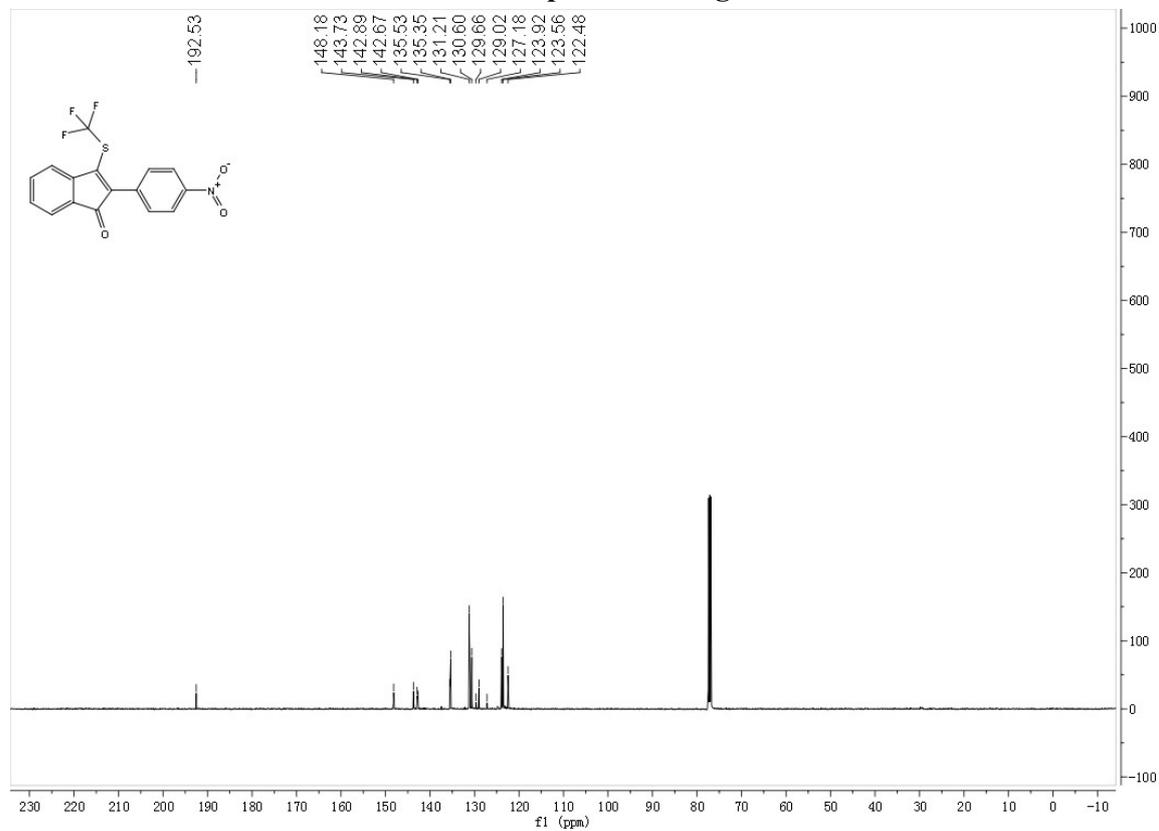
^{19}F NMR spectrum of 2e **^1H NMR spectrum of 2f**

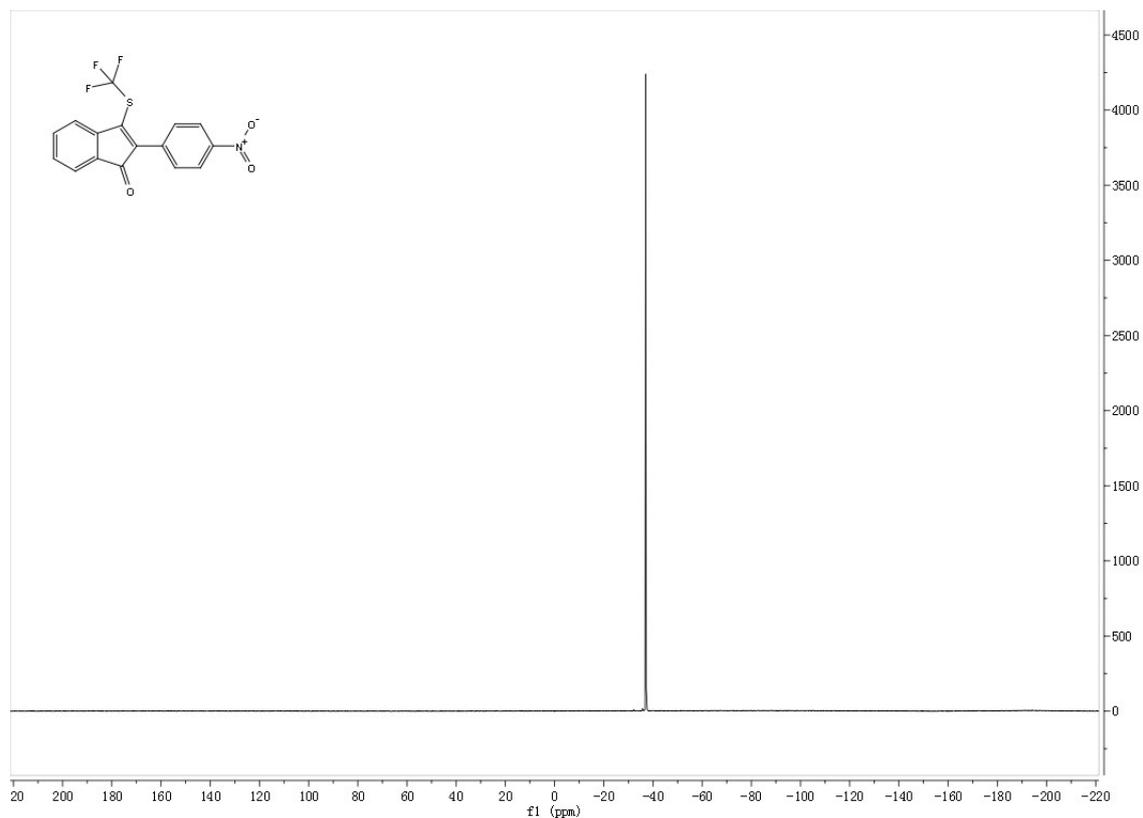
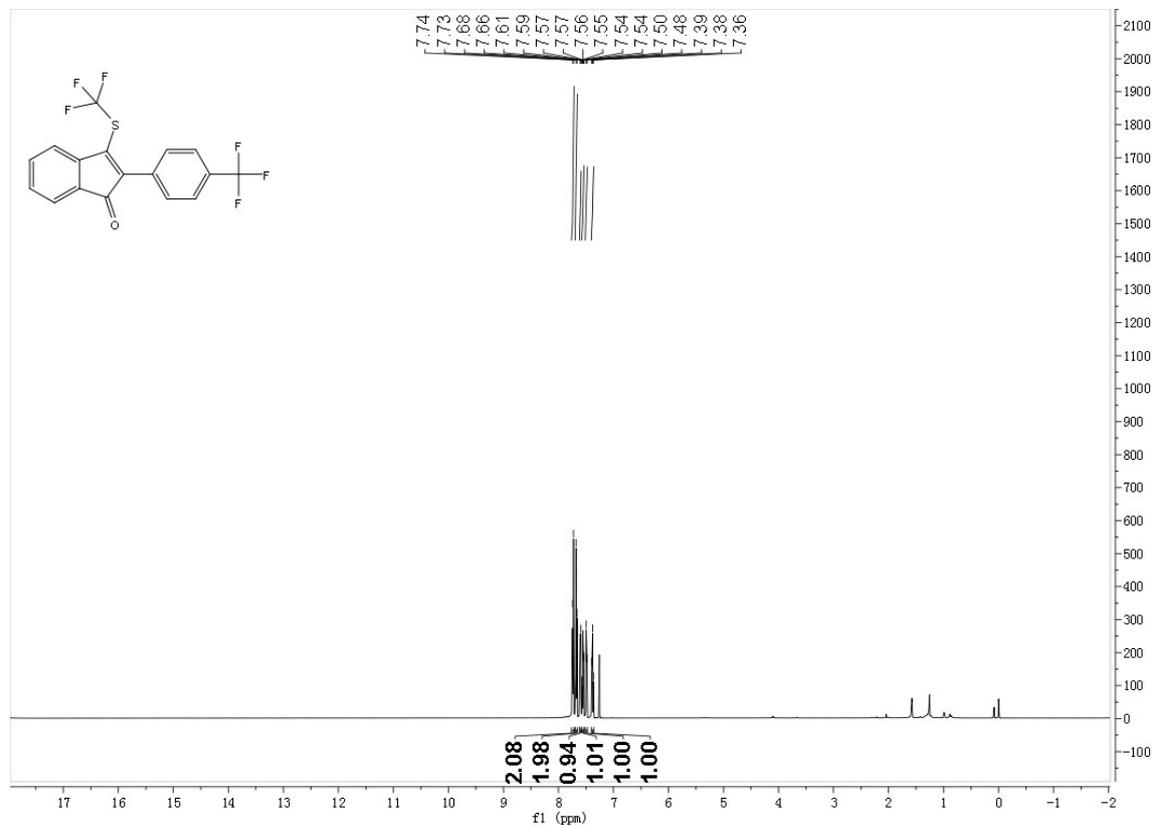
^{13}C NMR spectrum of 2f **^{19}F NMR spectrum of 2f**

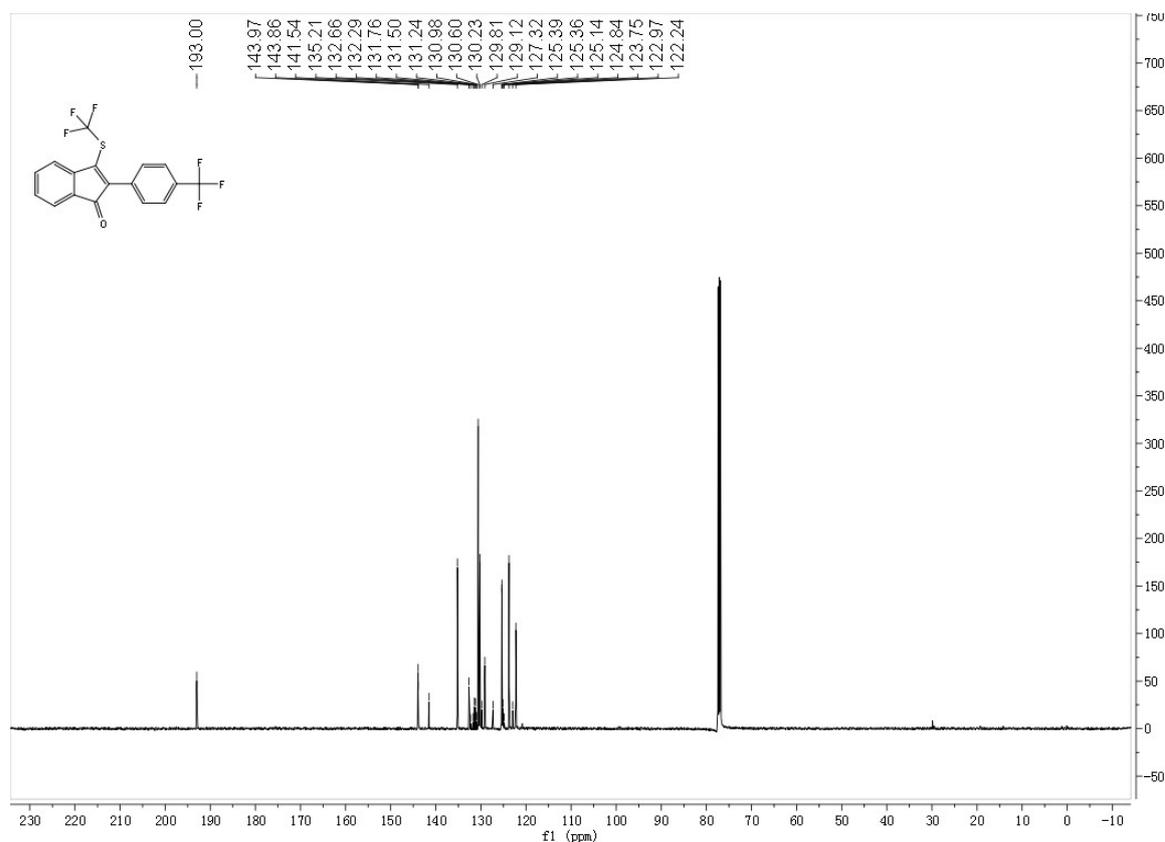
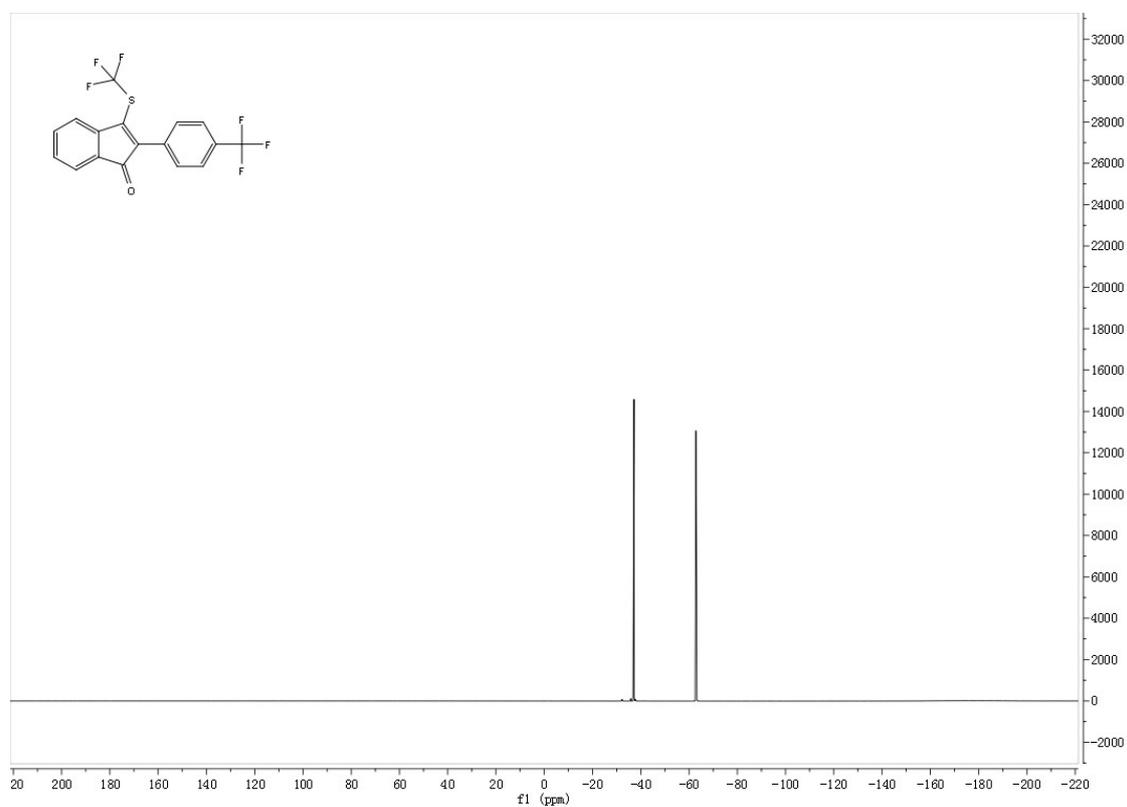
¹H NMR spectrum of 2g



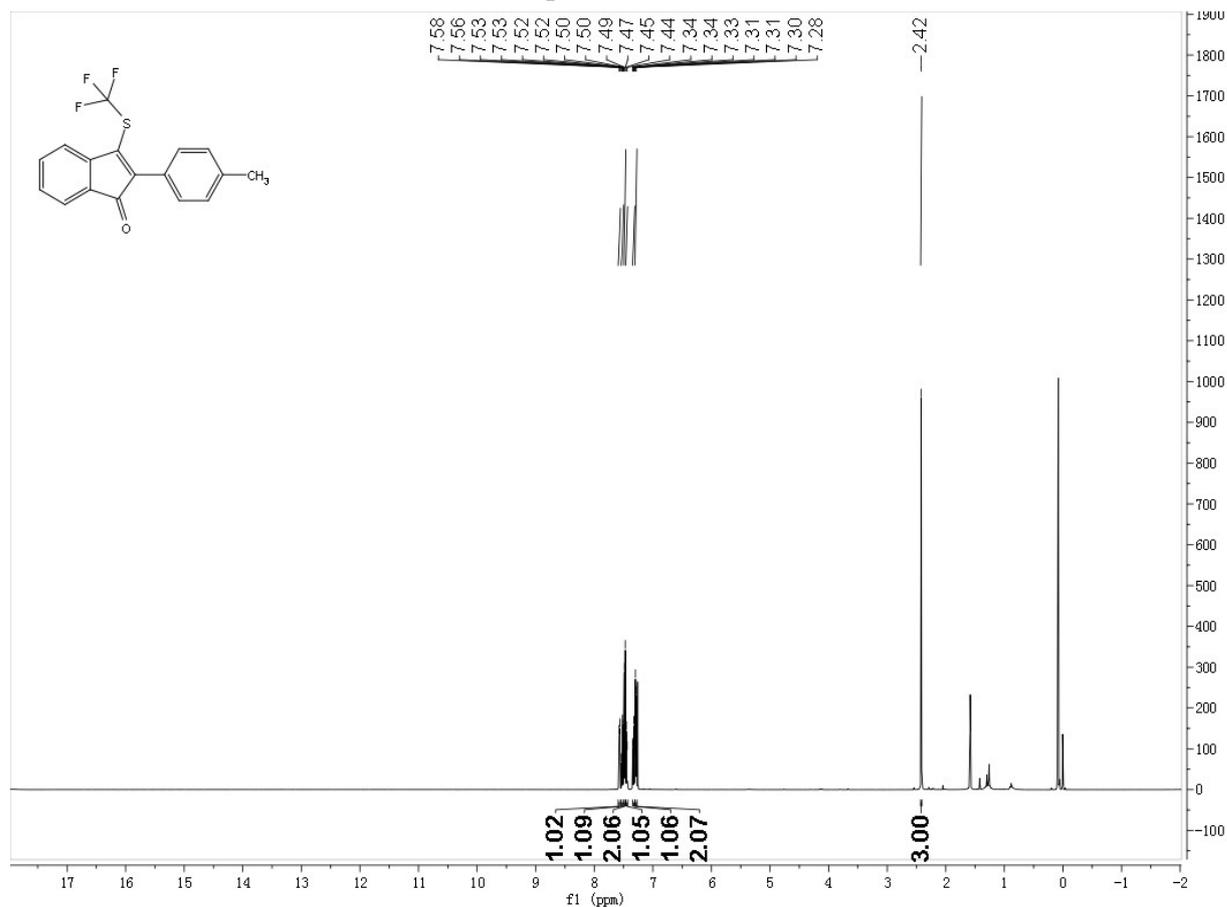
¹³C NMR spectrum of 2g



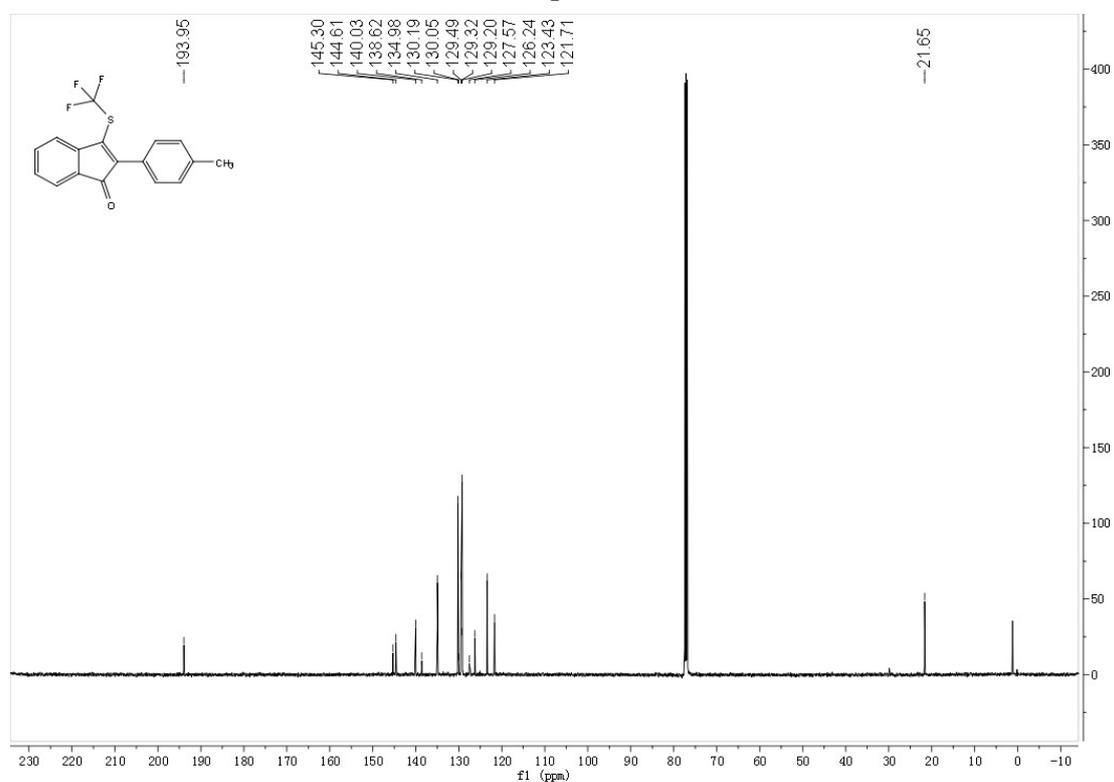
^{19}F NMR spectrum of 2g **^1H NMR spectrum of 2h**

^{13}C NMR spectrum of 2h **^{19}F NMR spectrum of 2h**

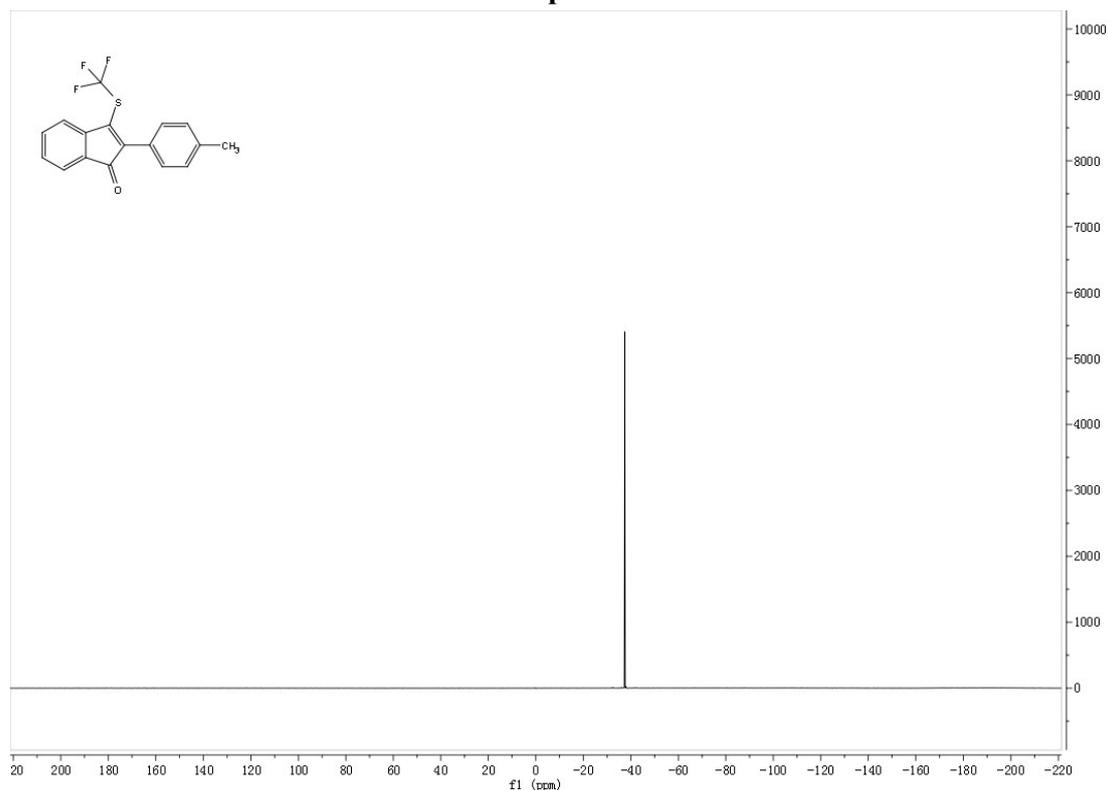
¹H NMR spectrum of 2i



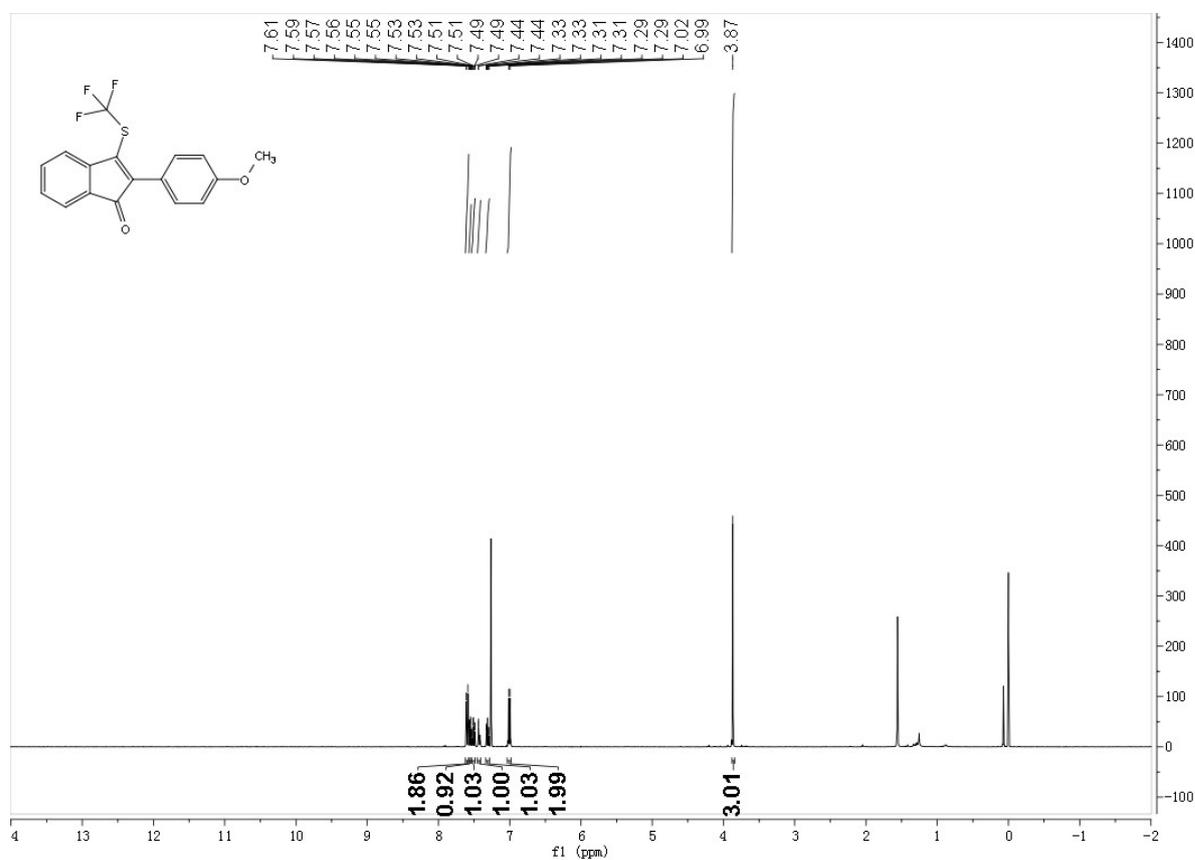
¹³C NMR spectrum of 2i

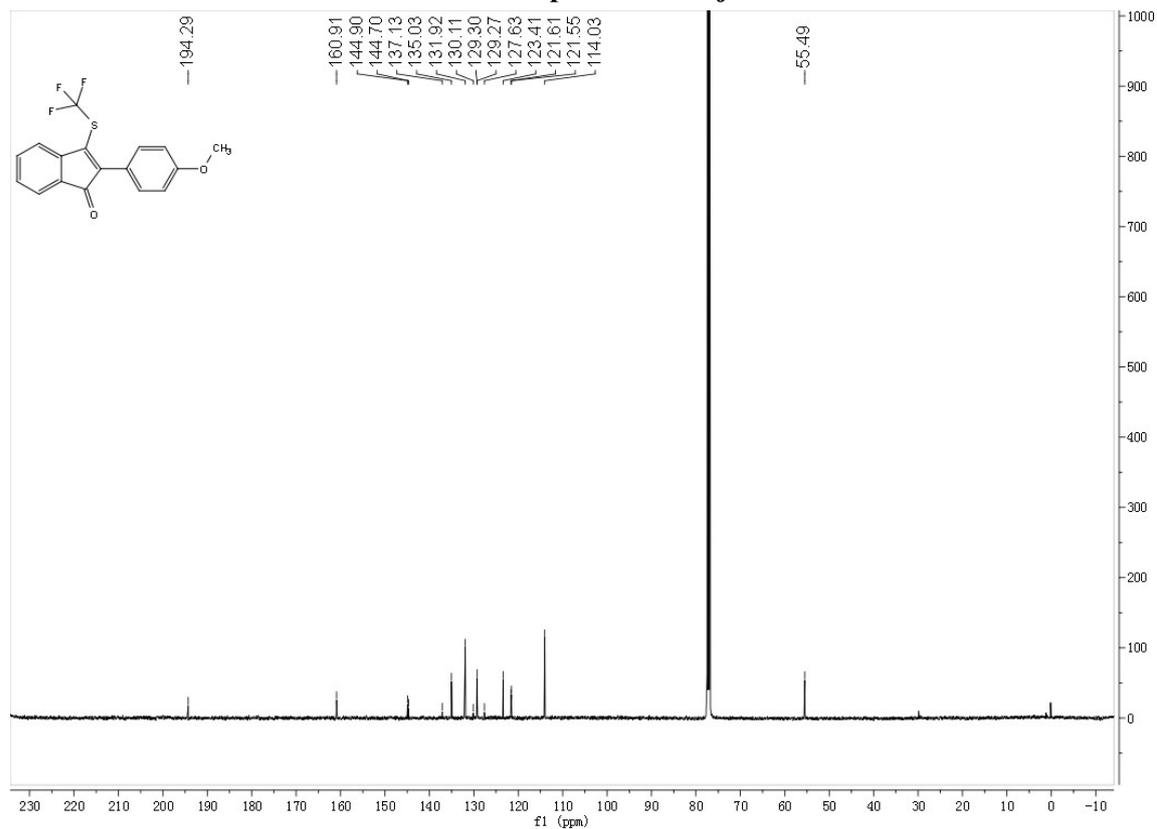
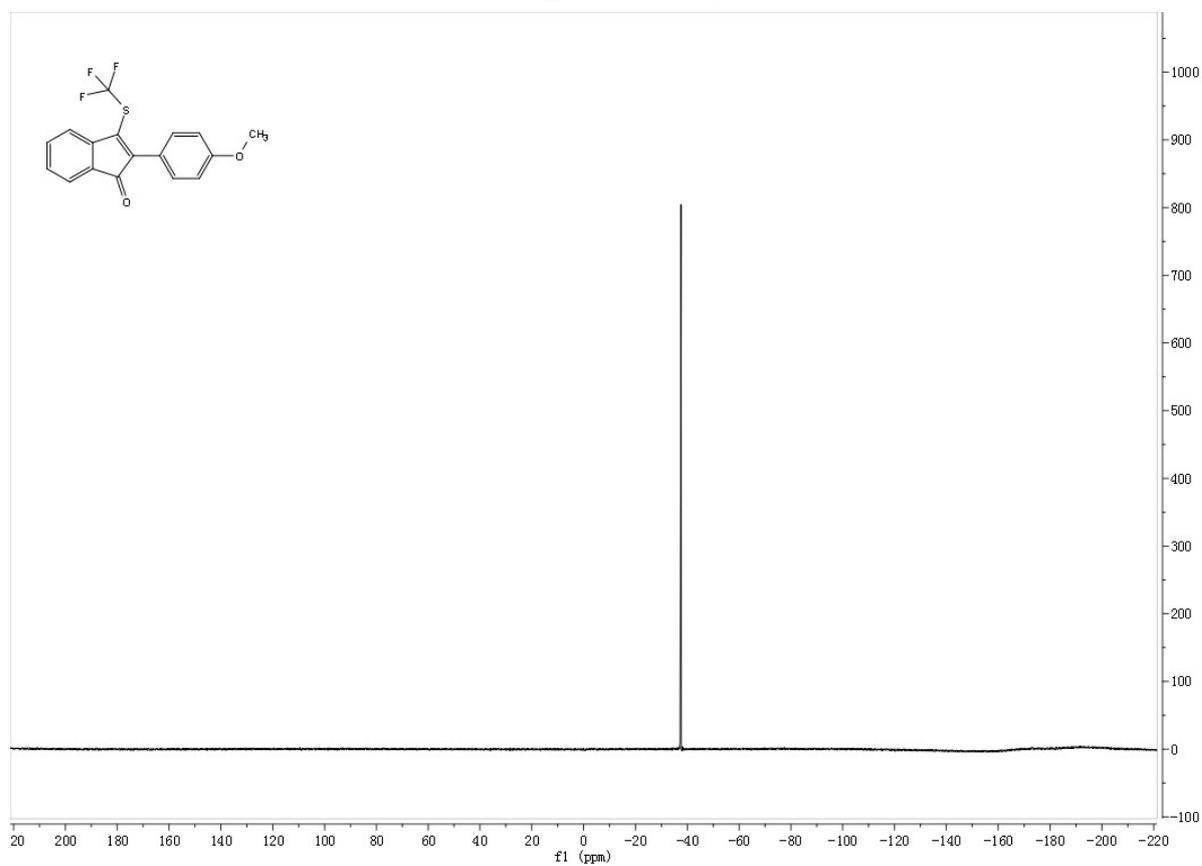


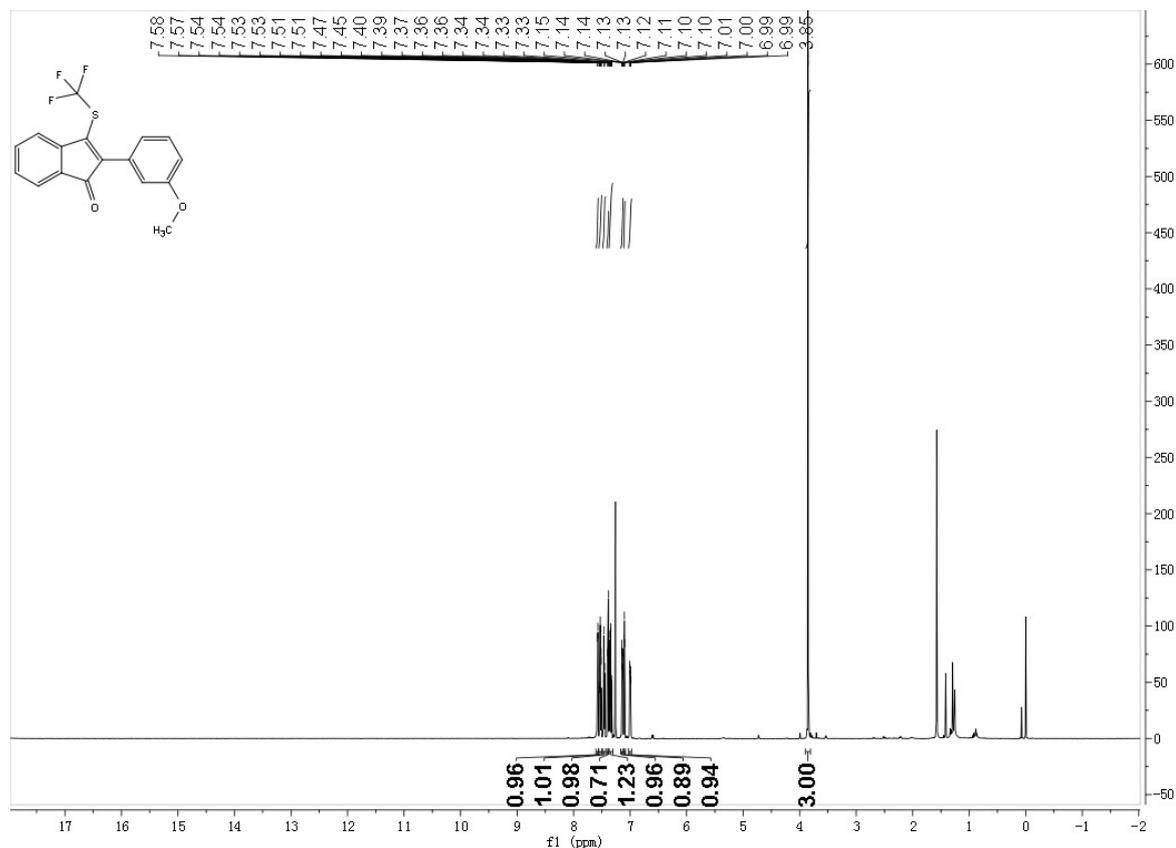
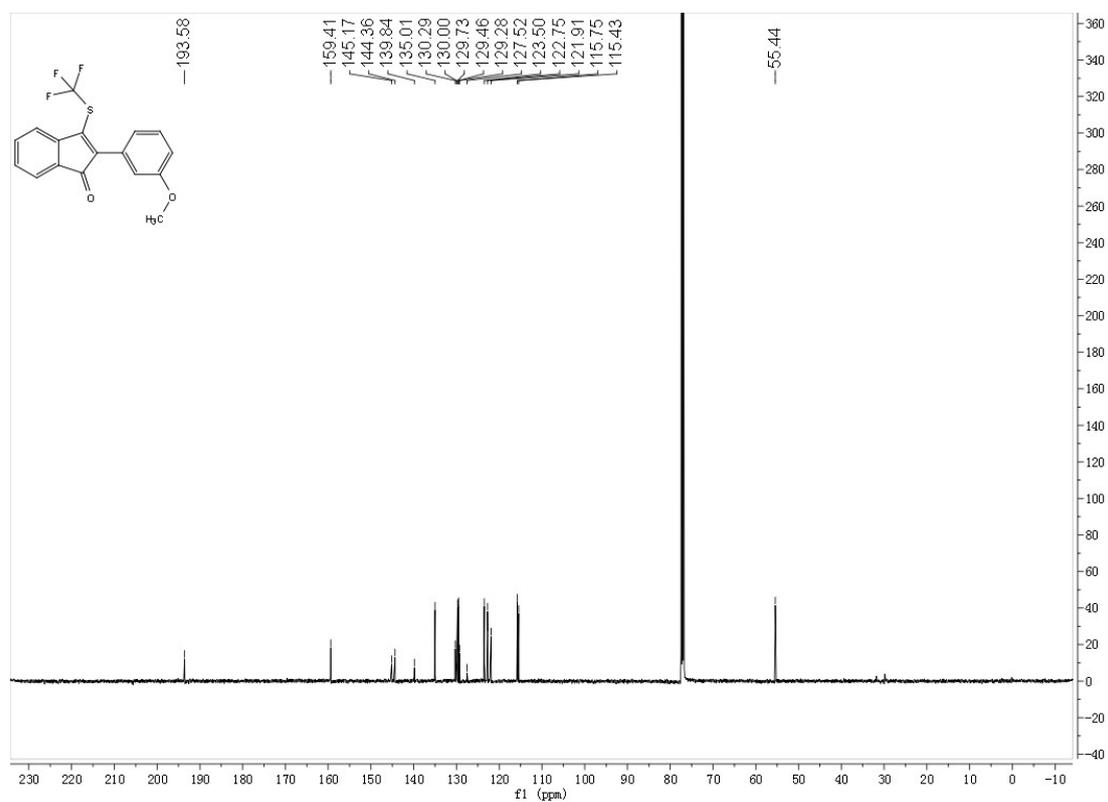
¹⁹F NMR spectrum of 2i



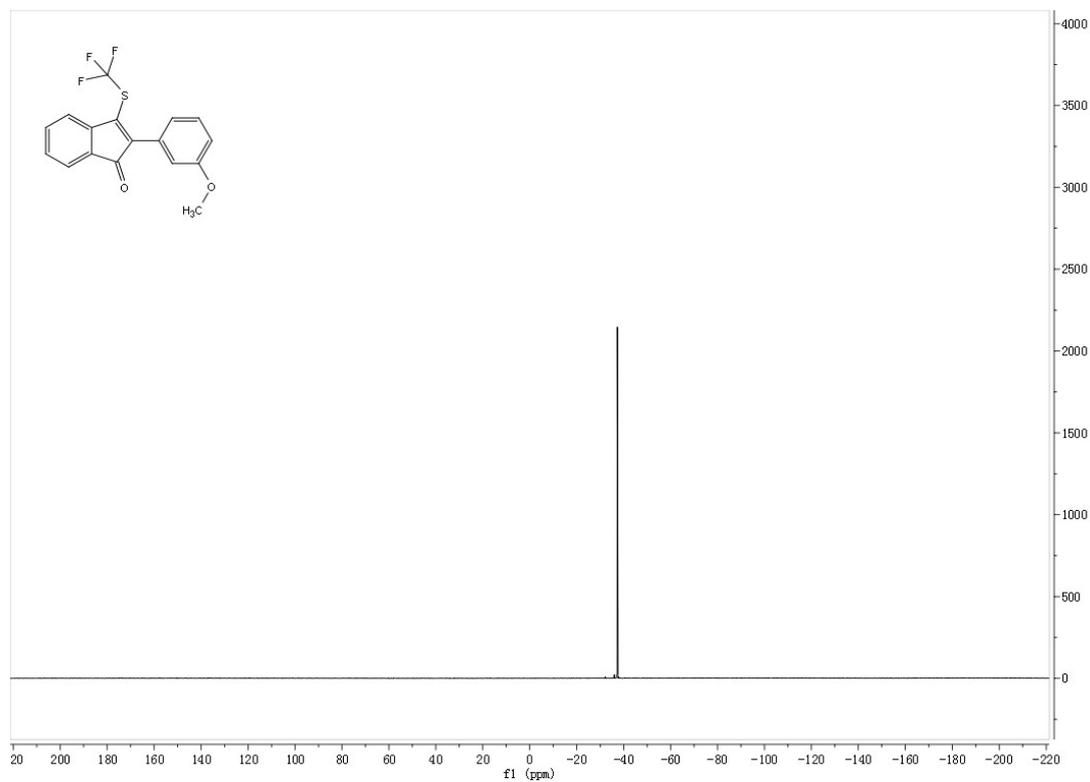
¹H NMR spectrum of 2j



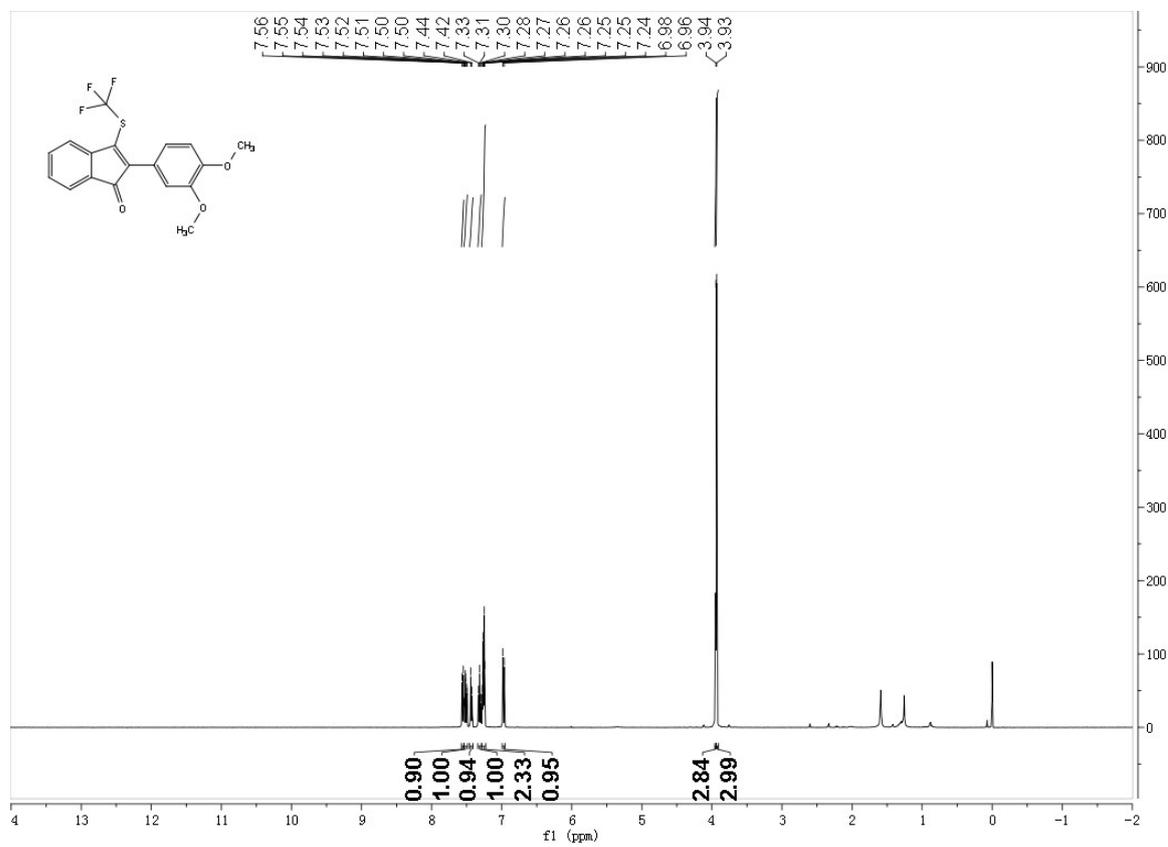
¹³C NMR spectrum of 2j**¹⁹F NMR spectrum of 2j**

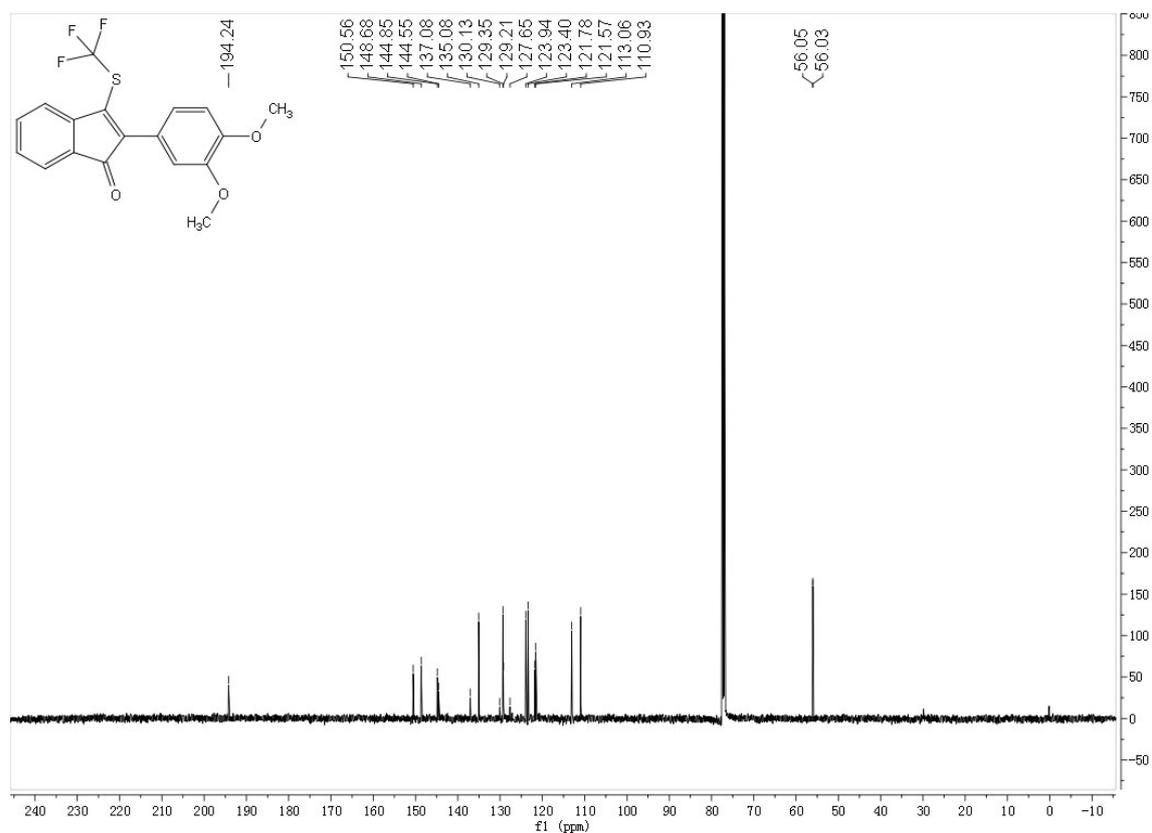
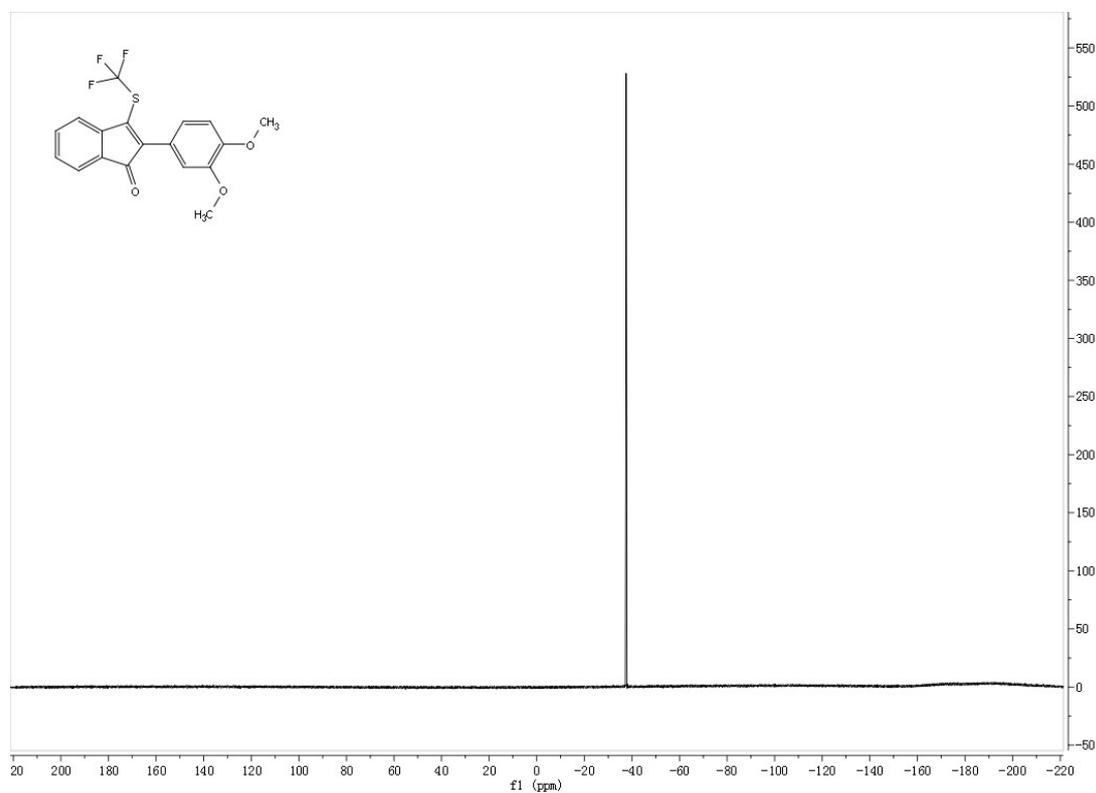
¹H NMR spectrum of 2l**¹³C NMR spectrum of 2l**

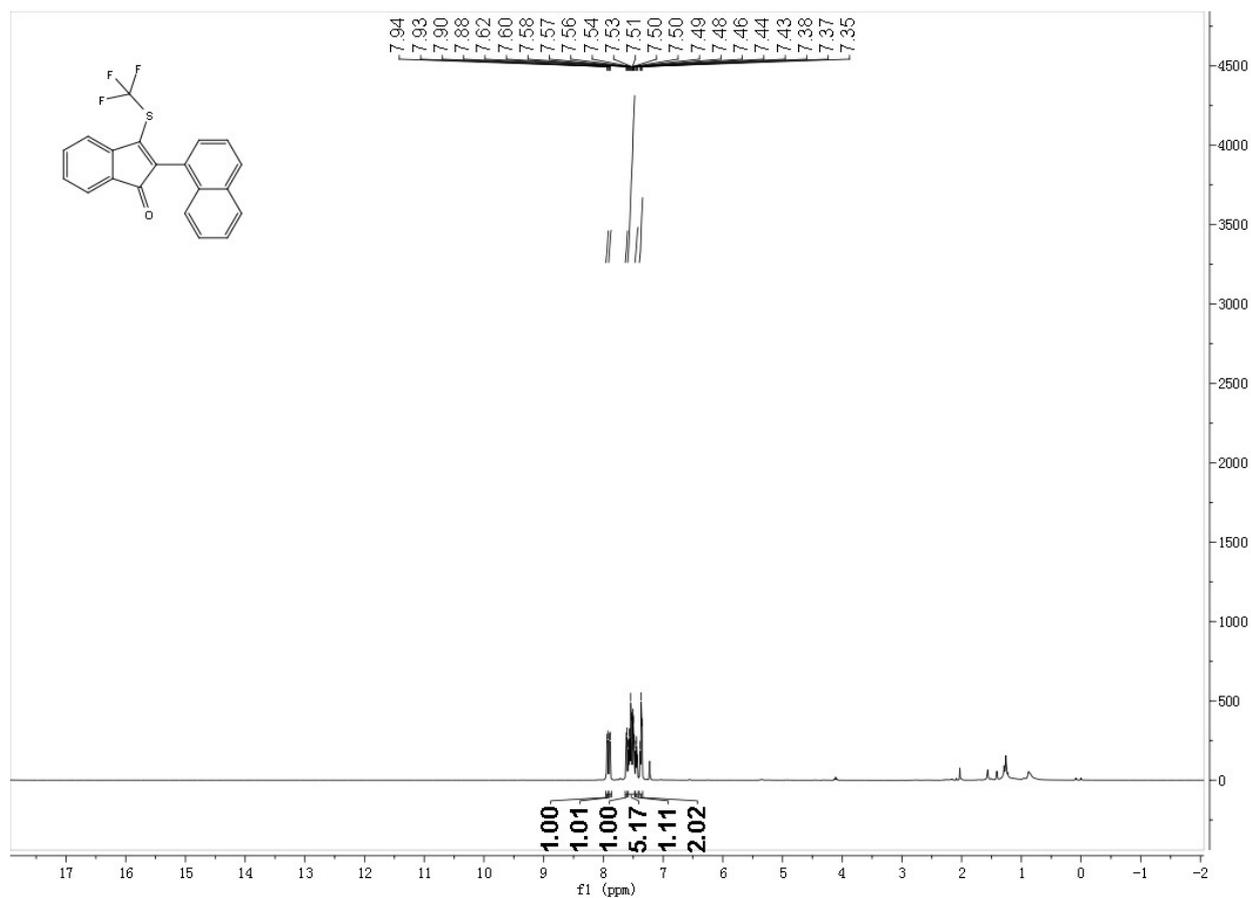
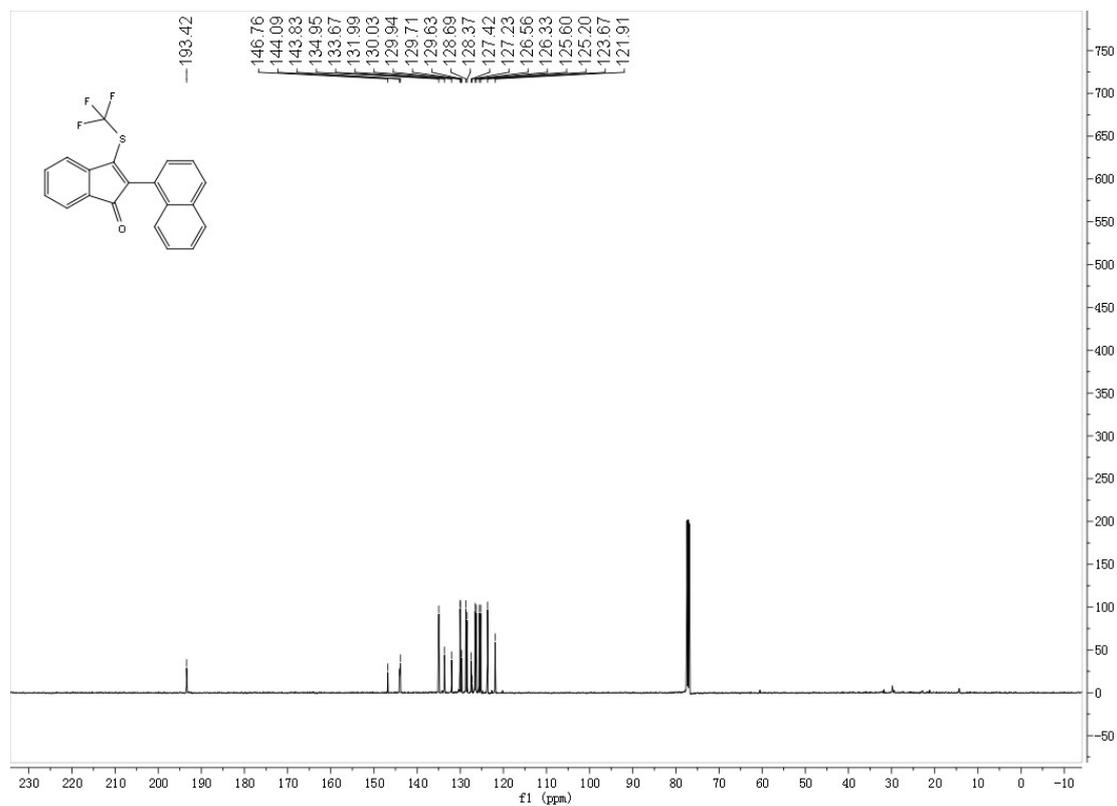
¹⁹F NMR spectrum of 2l

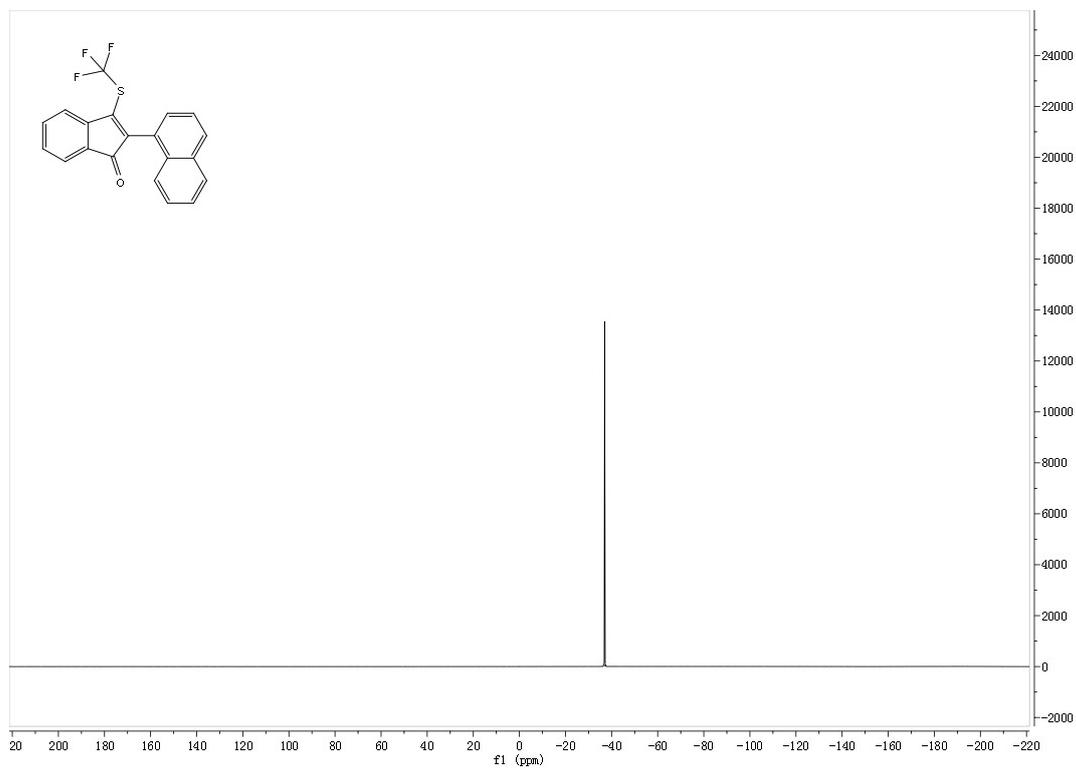
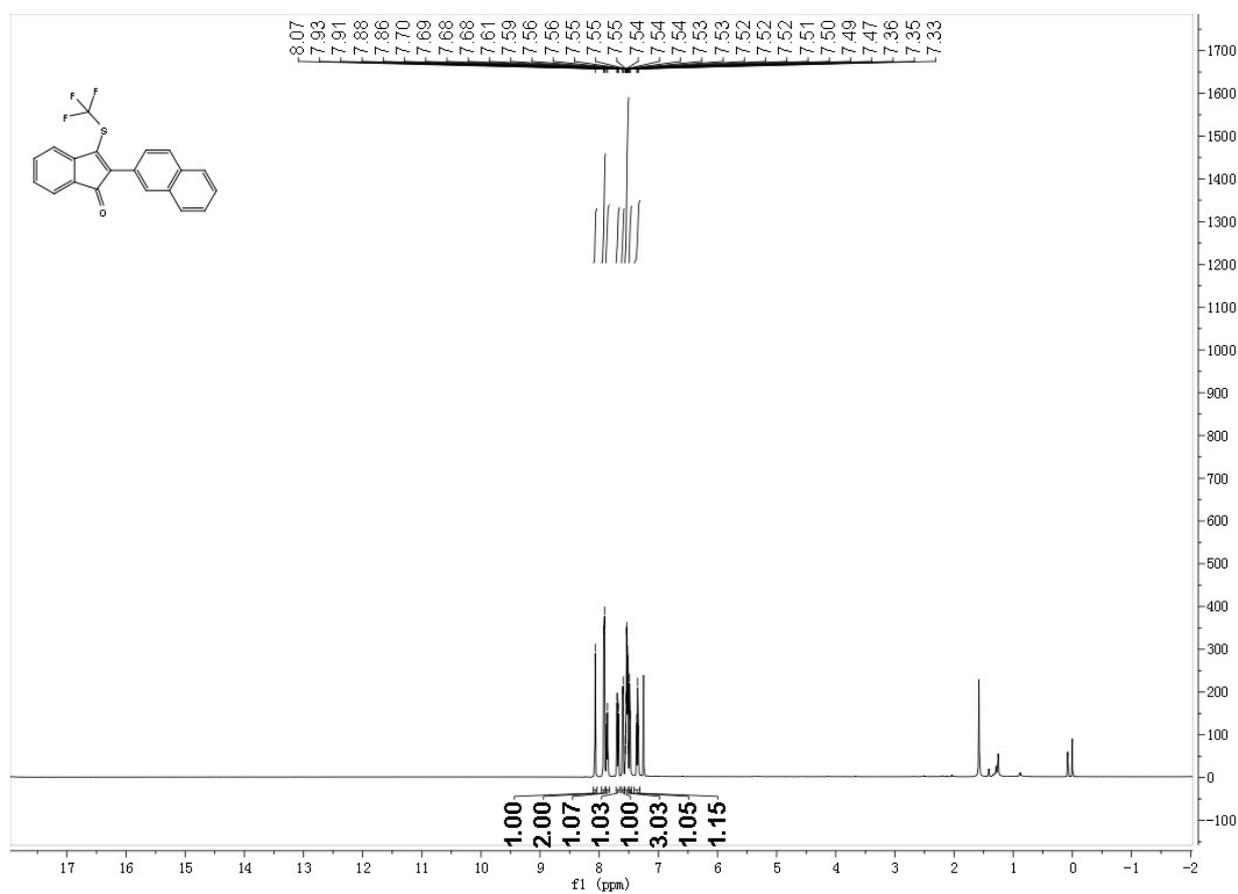


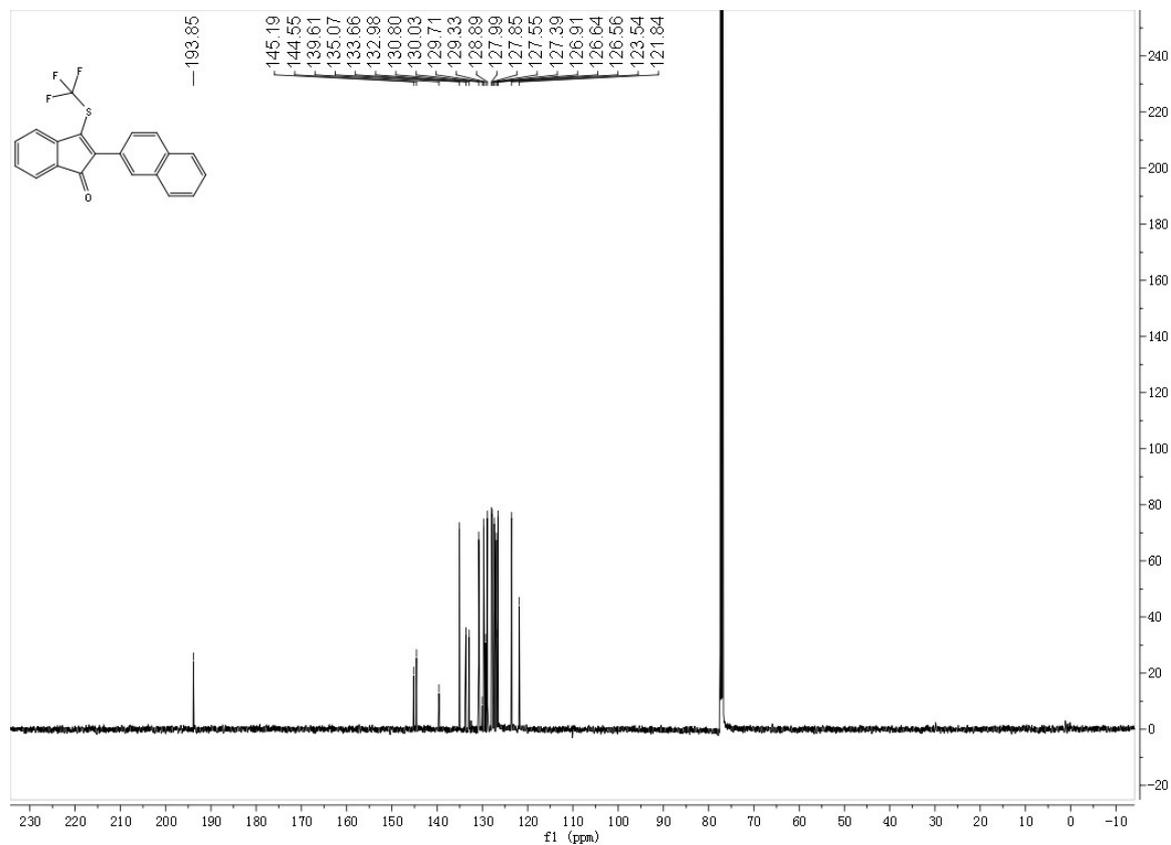
¹H NMR spectrum of 2m



^{13}C NMR spectrum of 2m **^{19}F NMR spectrum of 2m**

¹H NMR spectrum of 2n**¹³C NMR spectrum of 2n**

^{19}F NMR spectrum of 2n **^1H NMR spectrum of 2o**

^{13}C NMR spectrum of 2o **^{19}F NMR spectrum of 2o**