

Supplementary Information

Synthesis and fluorescent properties of some benzothiazole derivatives synthesized *via* Suzuki cross coupling reaction

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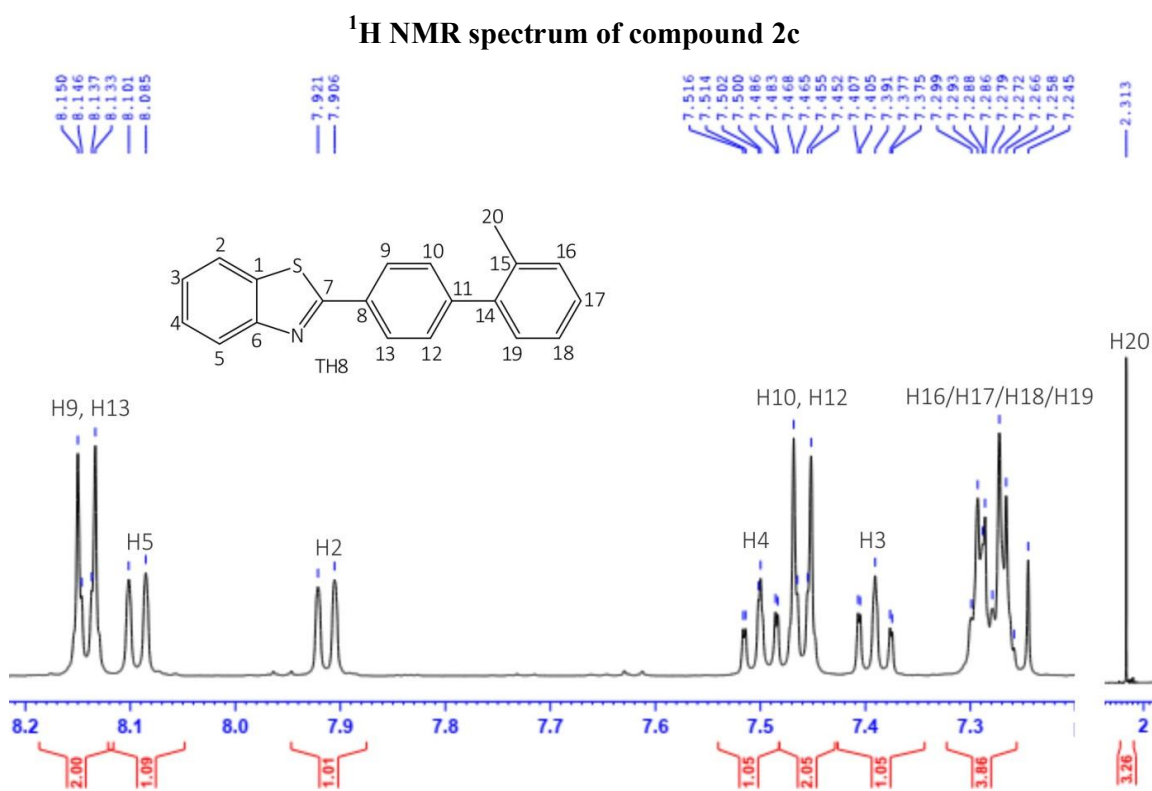
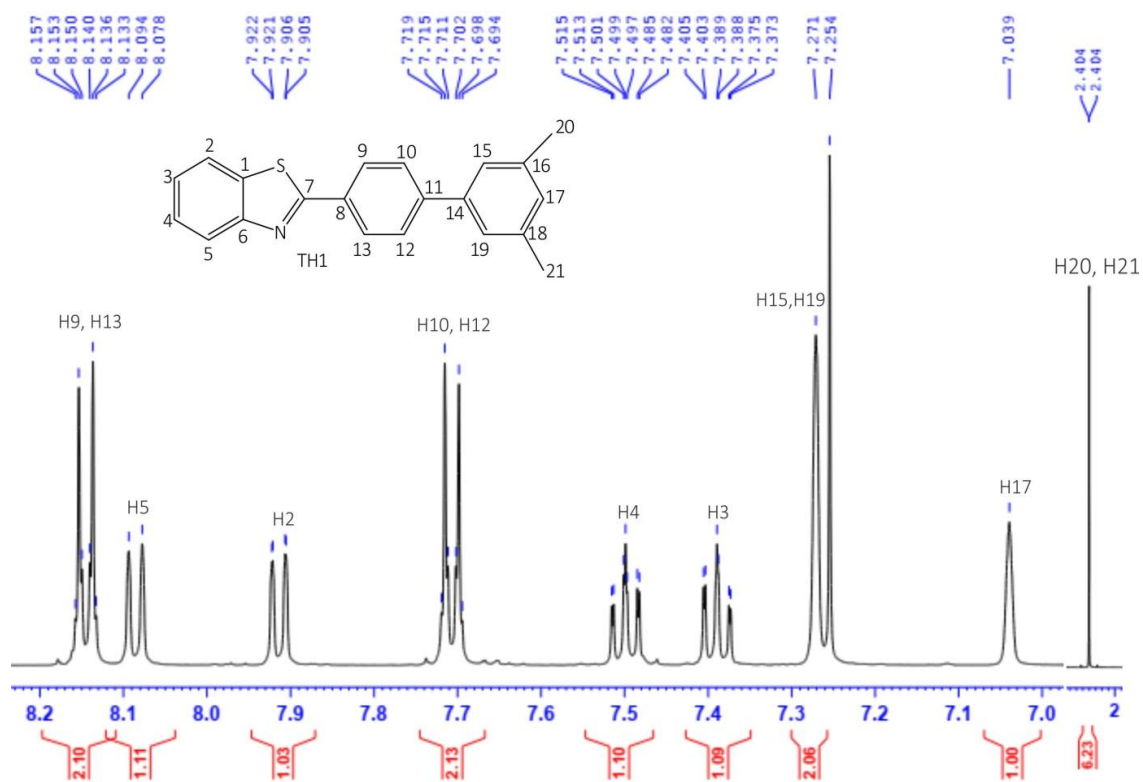
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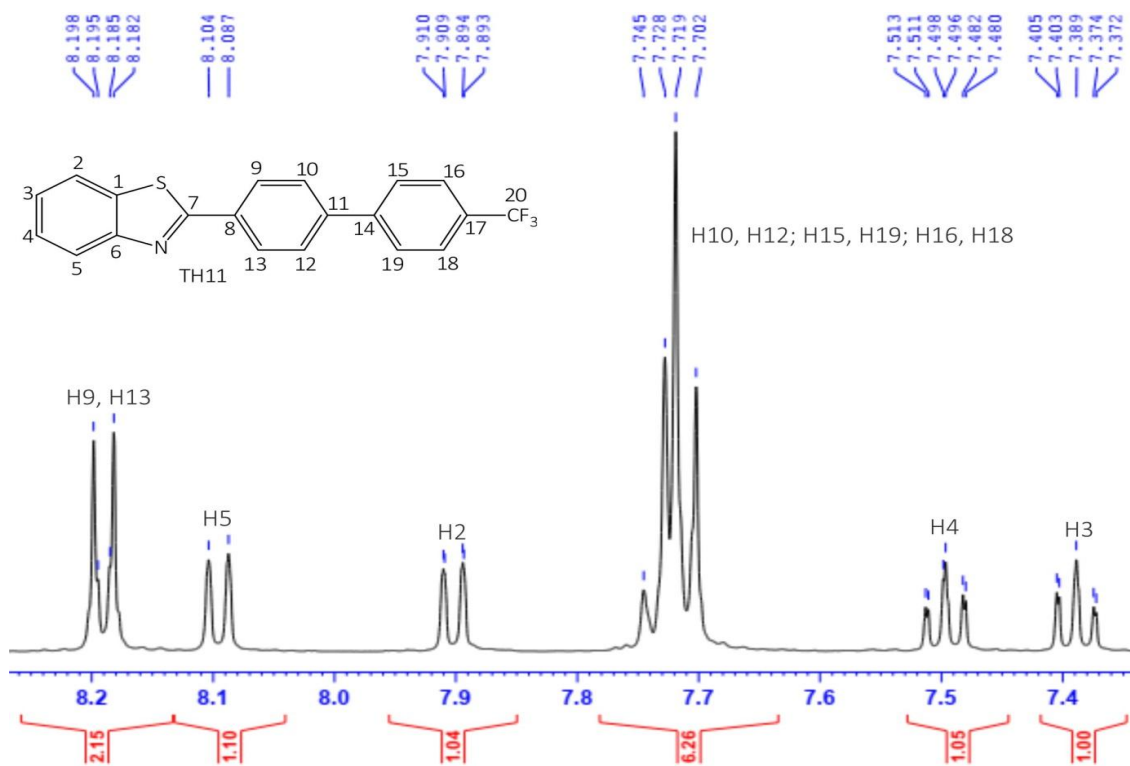
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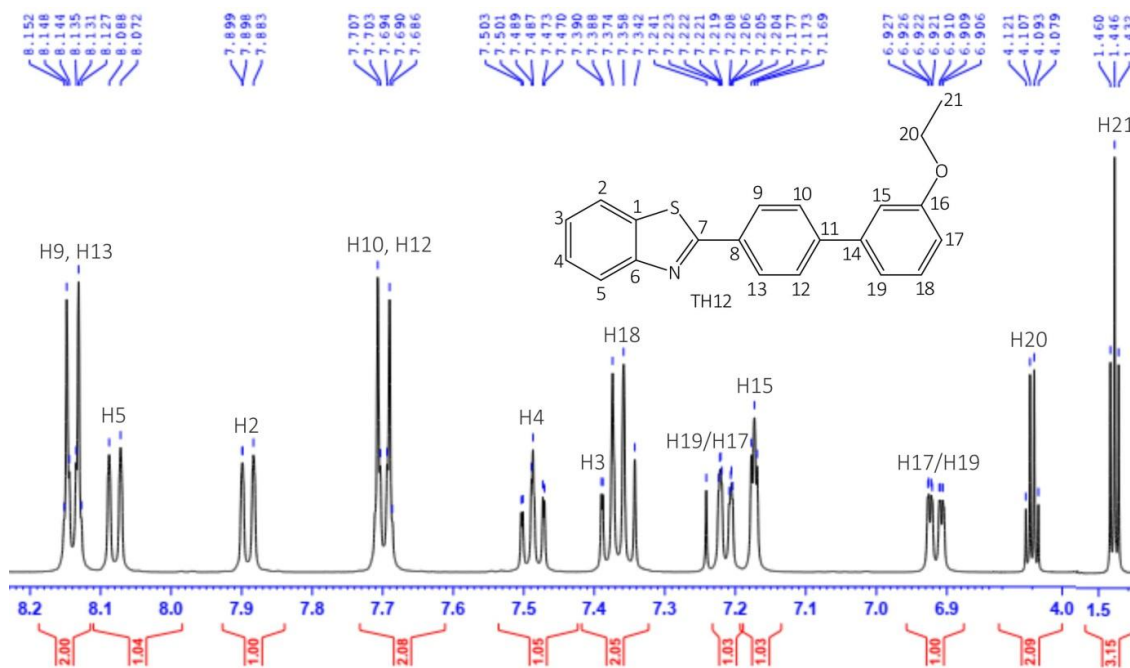
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1. ¹H NMR spectra of compounds

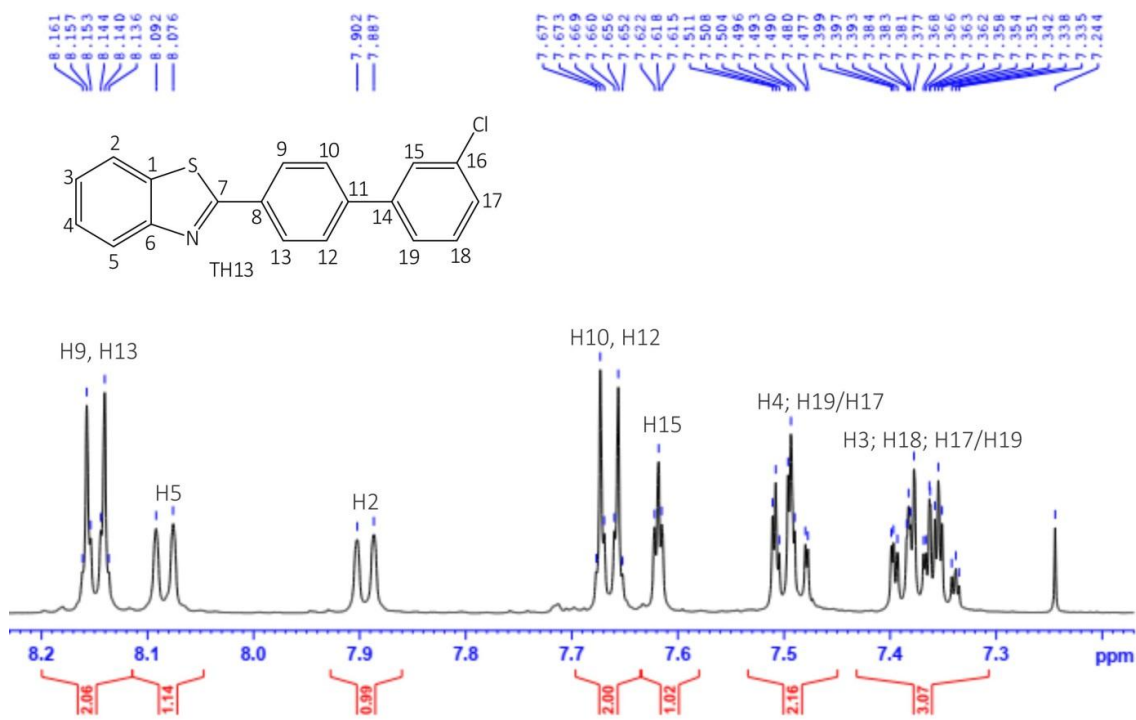




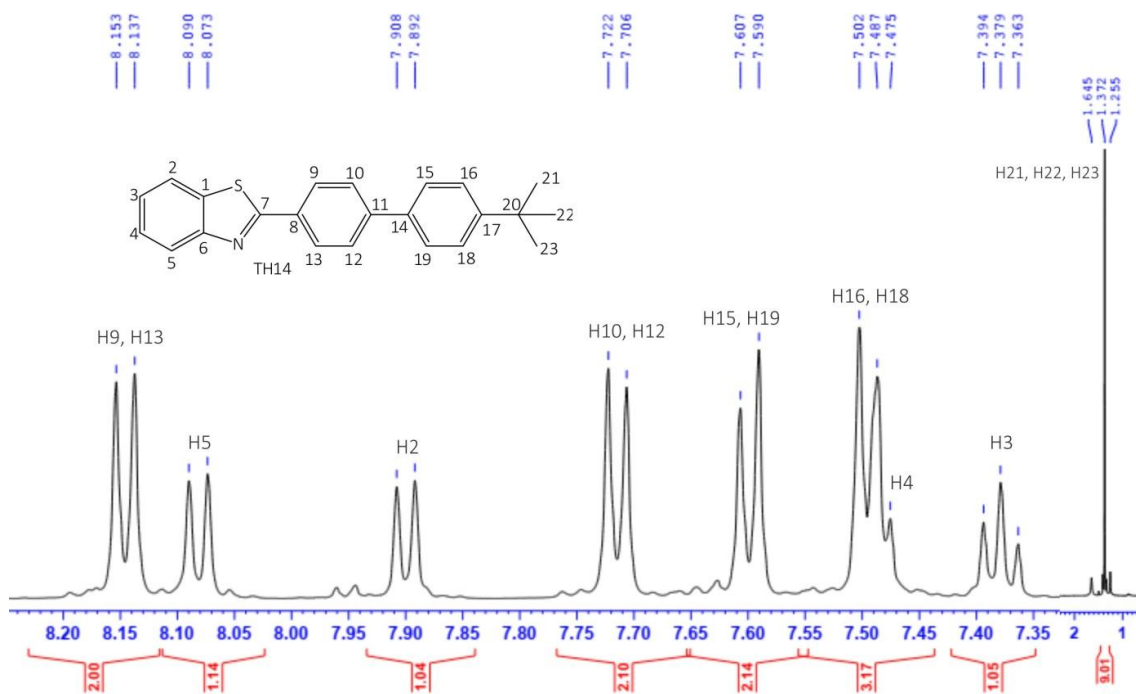
¹H NMR spectrum of compound 2g



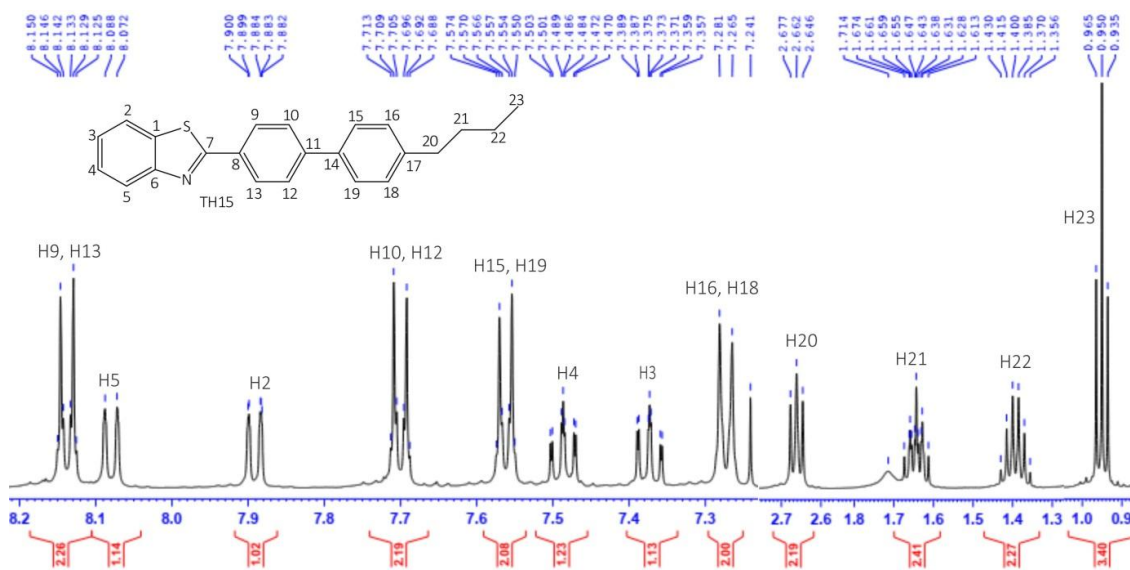
¹H NMR spectrum of compound 2h



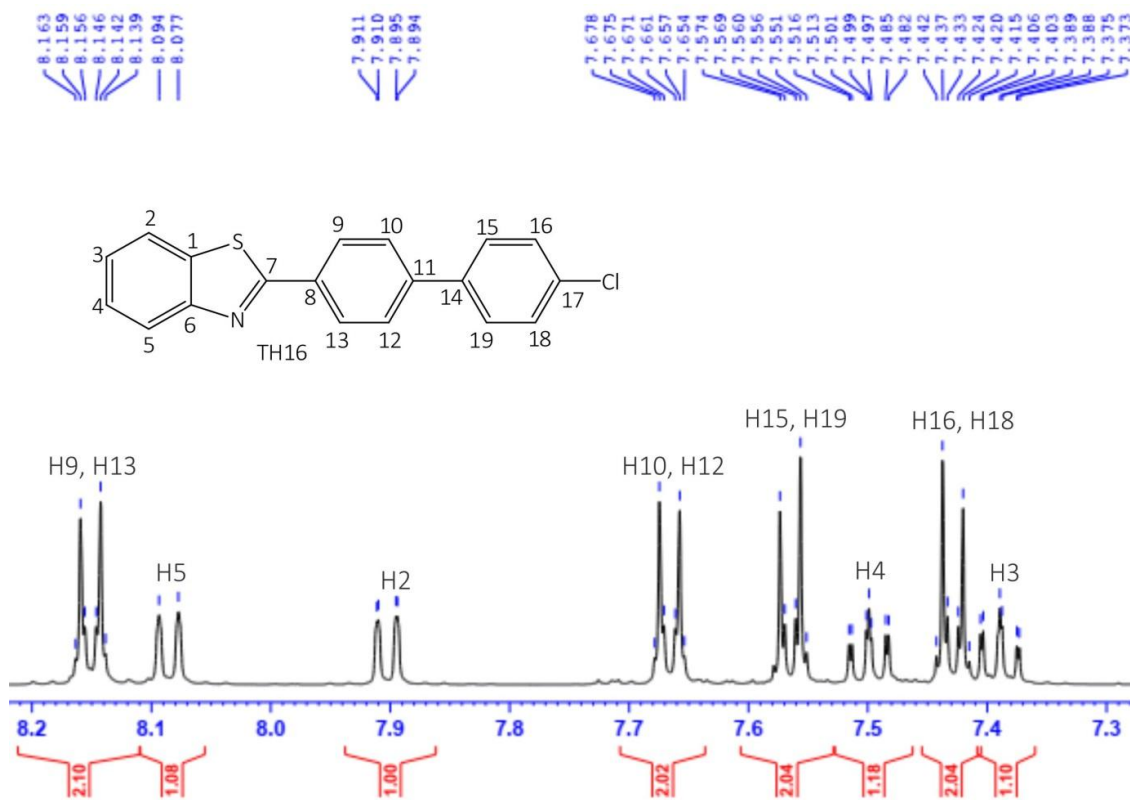
^1H NMR spectrum of compound 2i



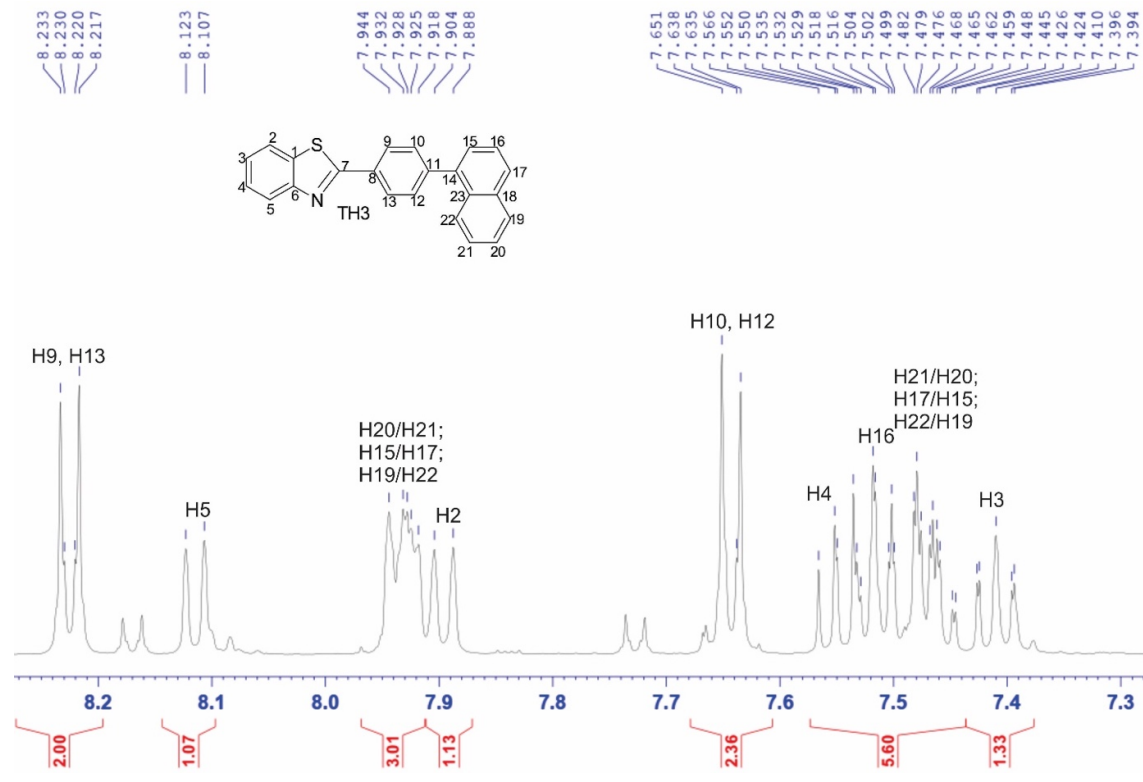
^1H NMR spectrum of compound 2j



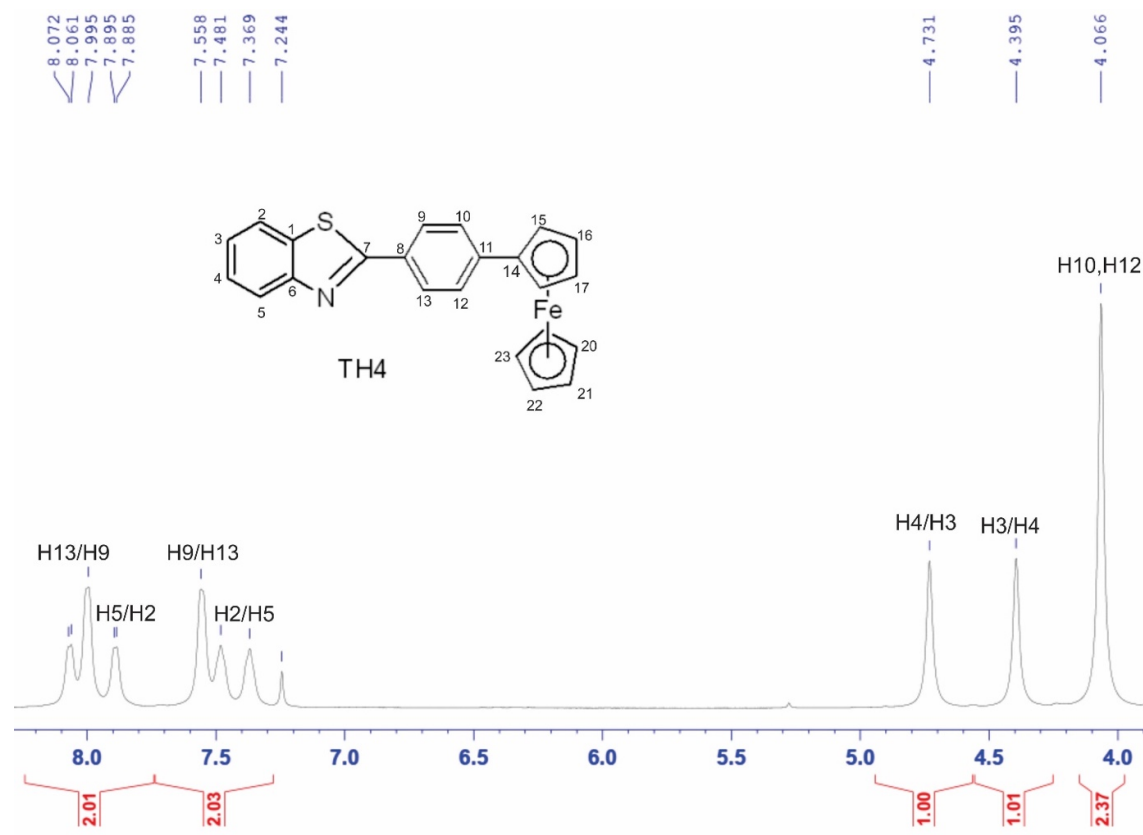
¹H NMR spectrum of compound 2k



¹H NMR spectrum of compound 2l

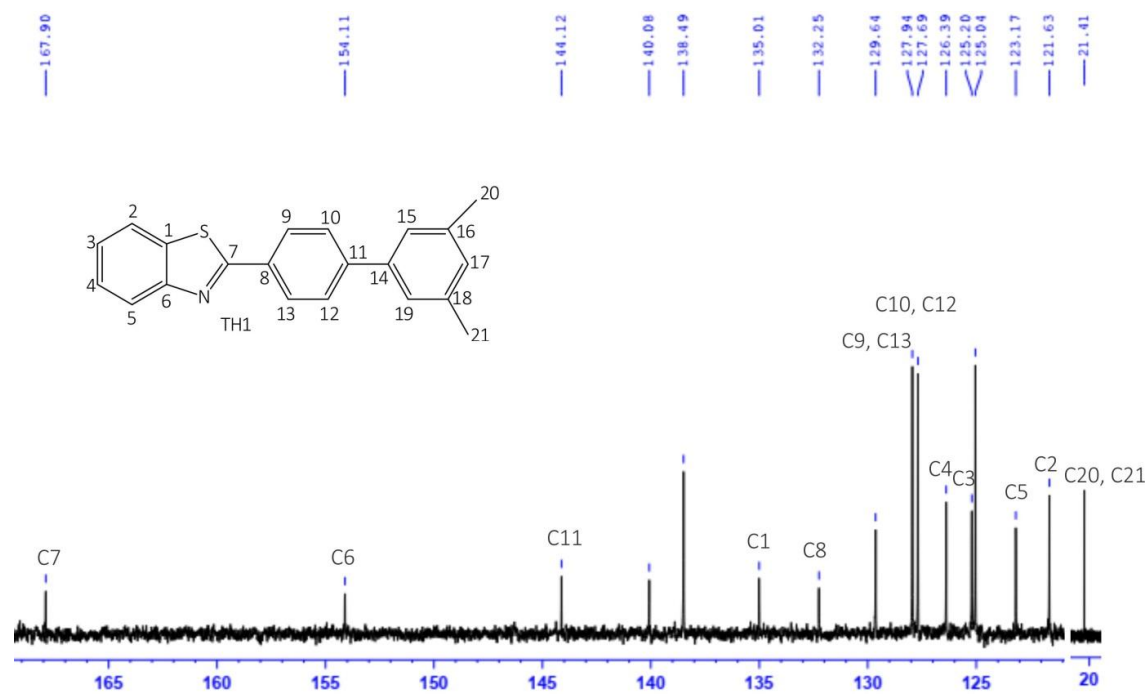


¹H NMR spectrum of compound 2n

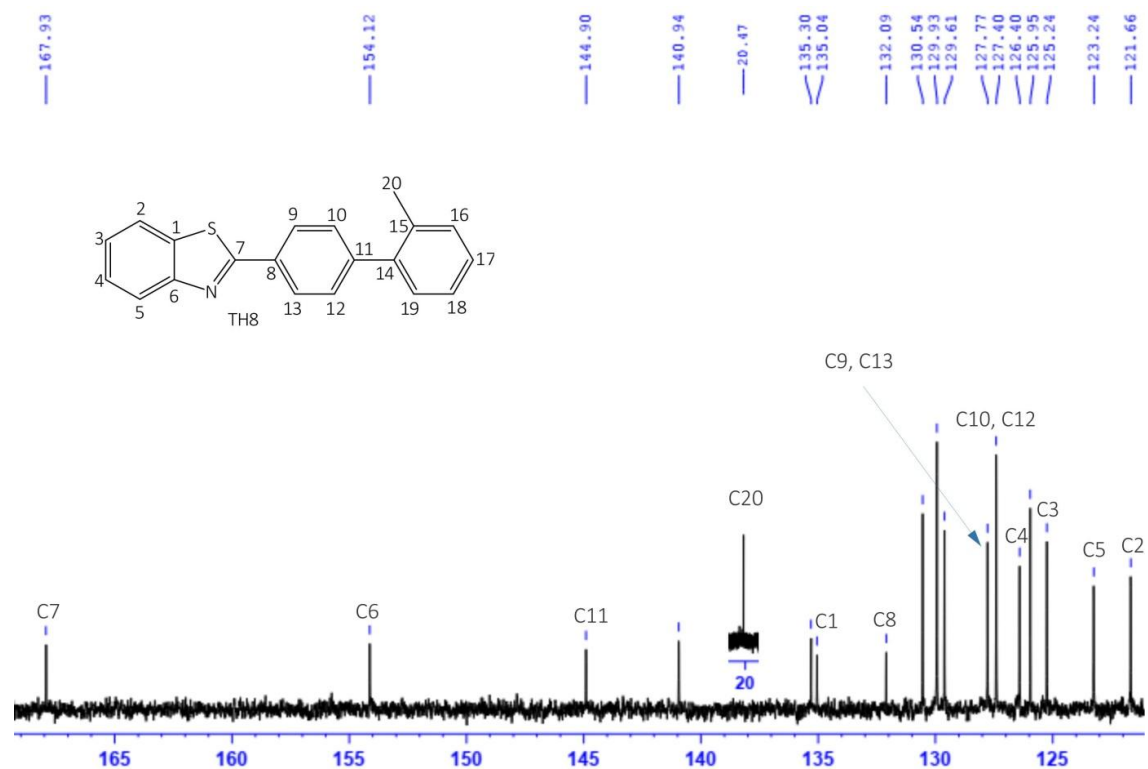


¹H NMR spectrum of compound 2n

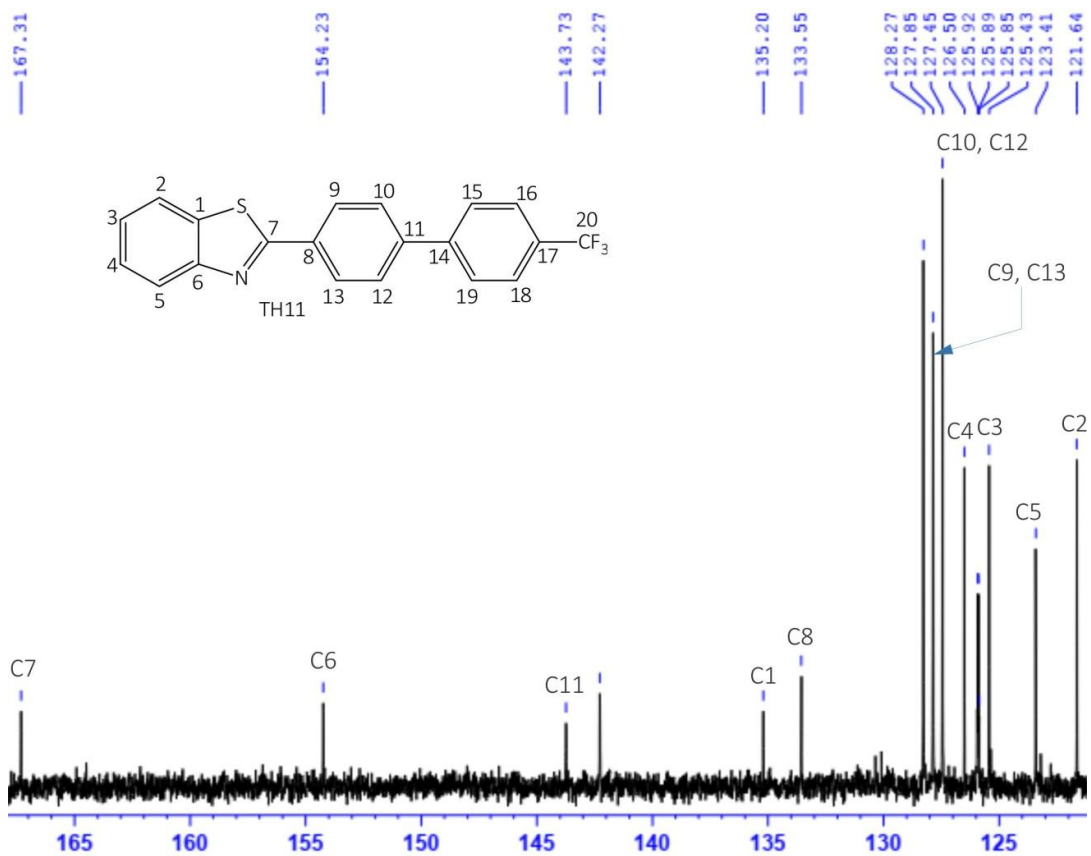
2. ^{13}C NMR spectra of compounds



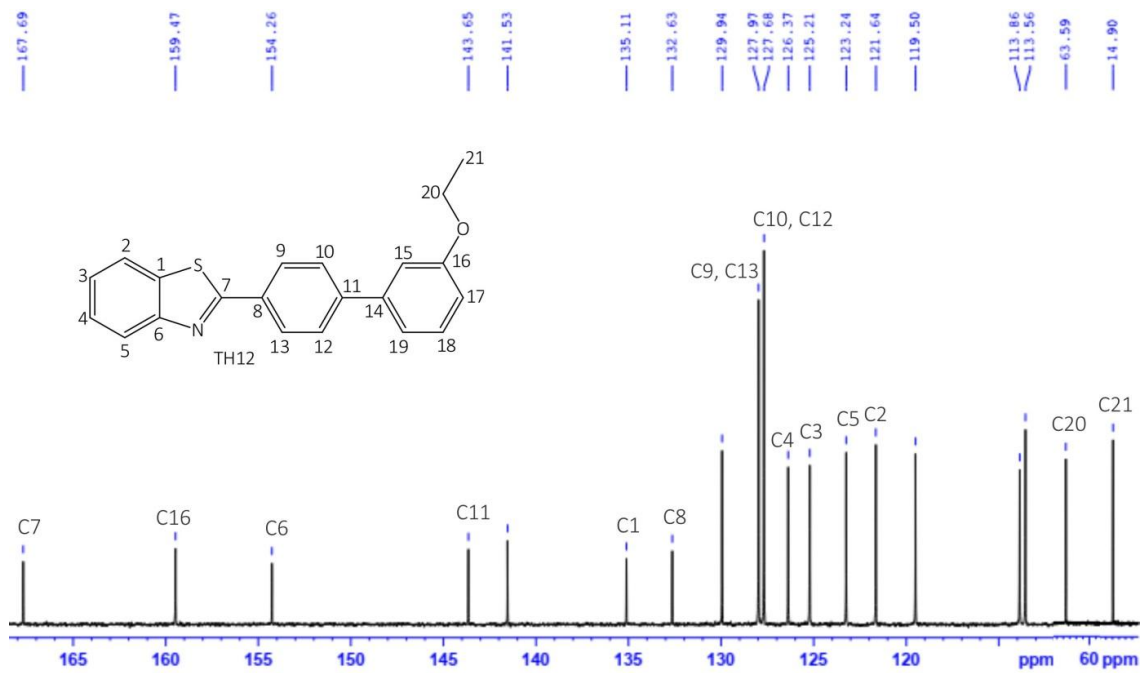
^{13}C NMR spectra of compound 2c



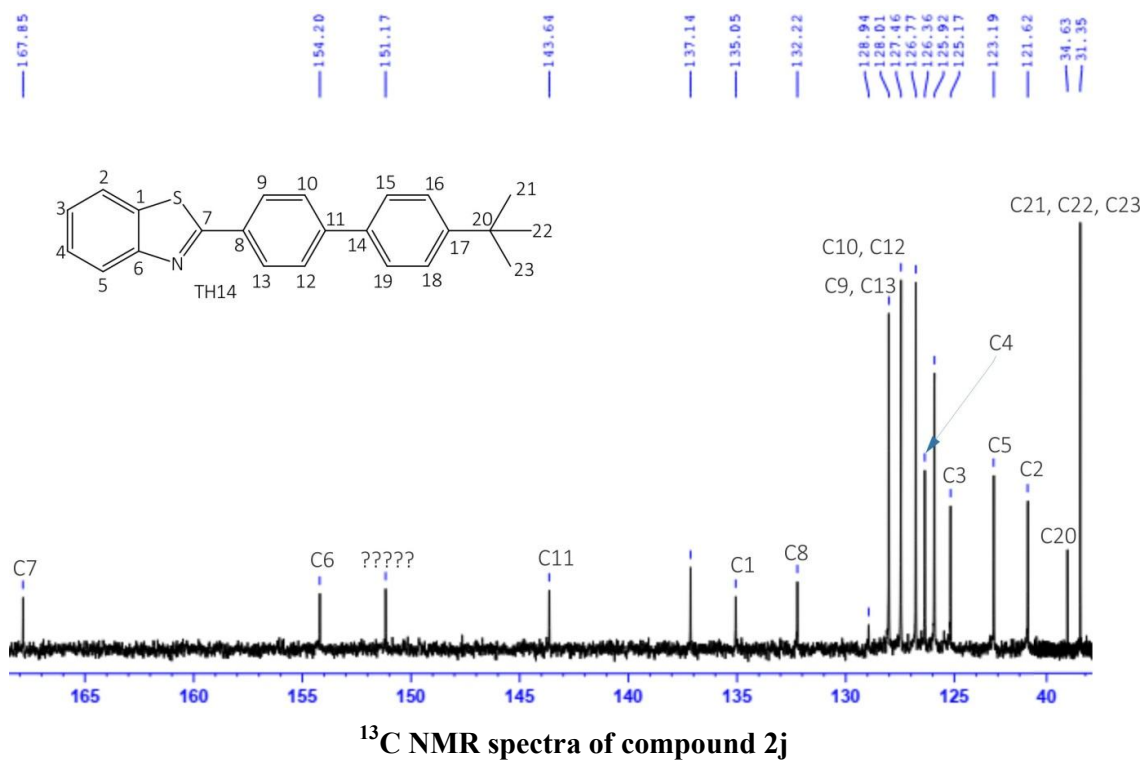
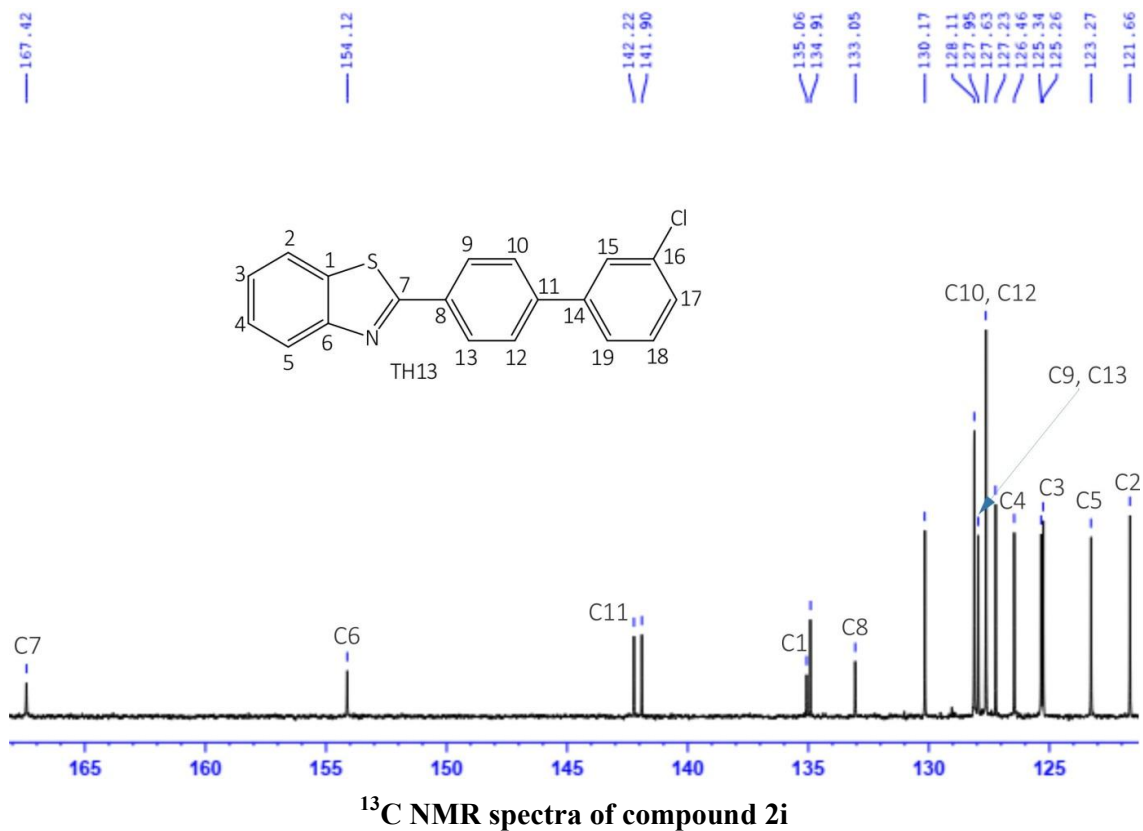
^{13}C NMR spectra of compound 2d

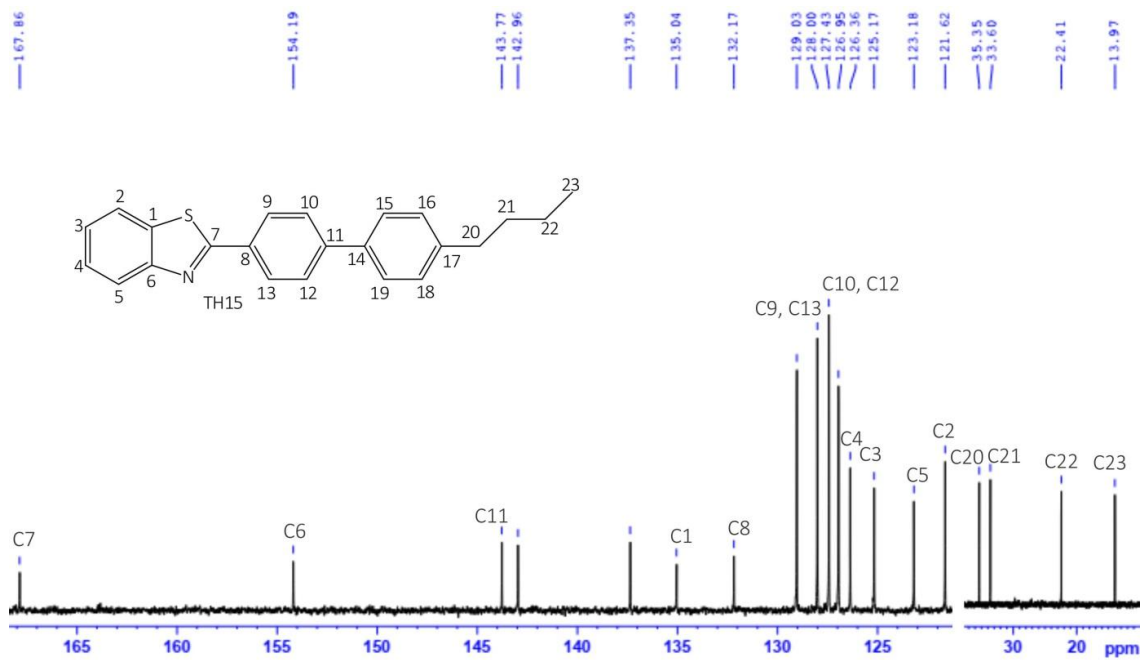


¹³C NMR spectra of compound 2g

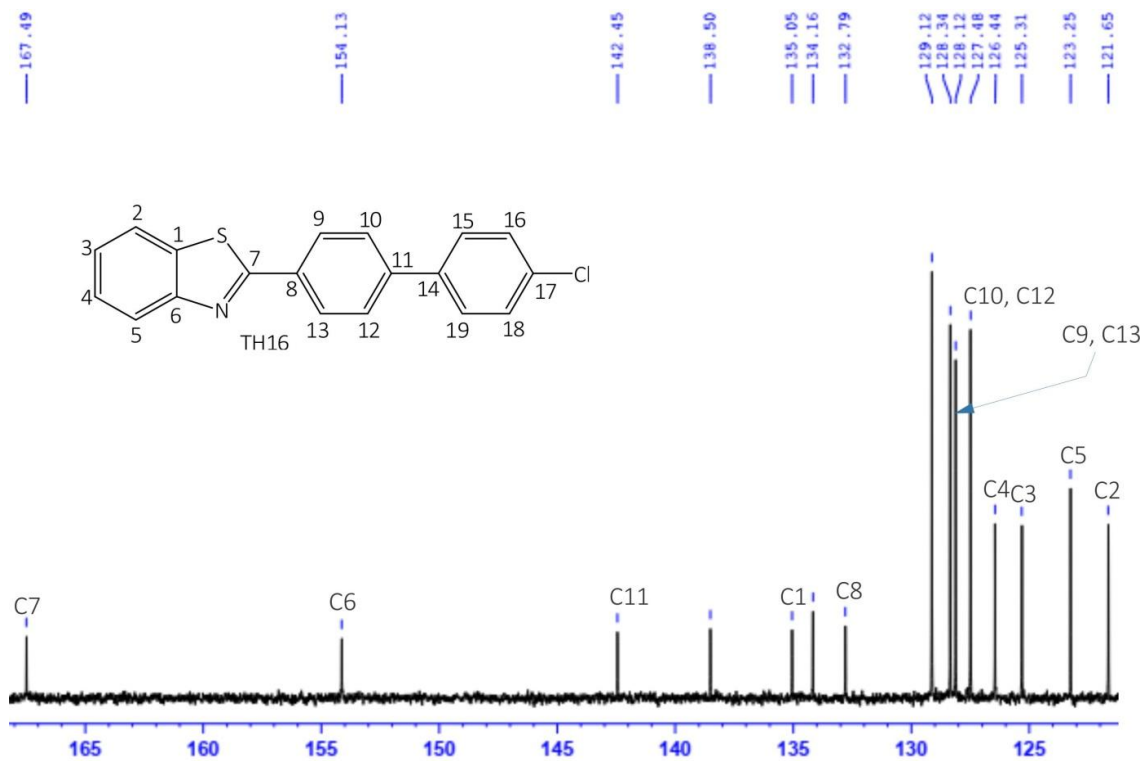


¹³C NMR spectra of compound 2h

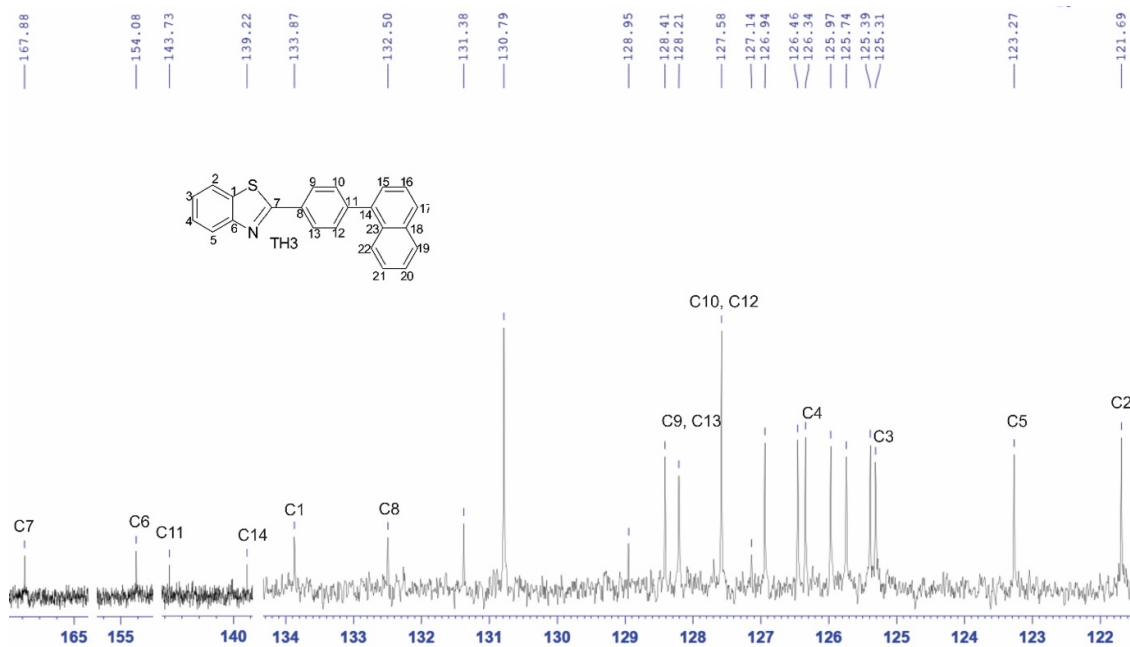




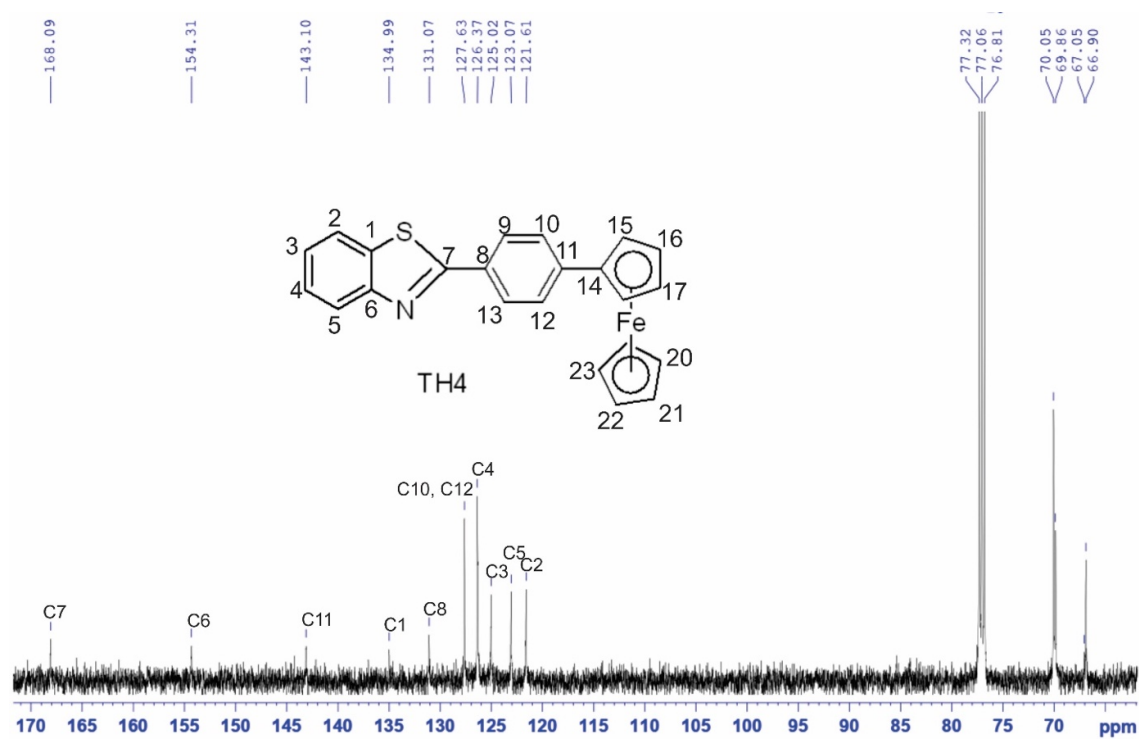
¹³C NMR spectra of compound 2k



¹³C NMR spectra of compound 2l

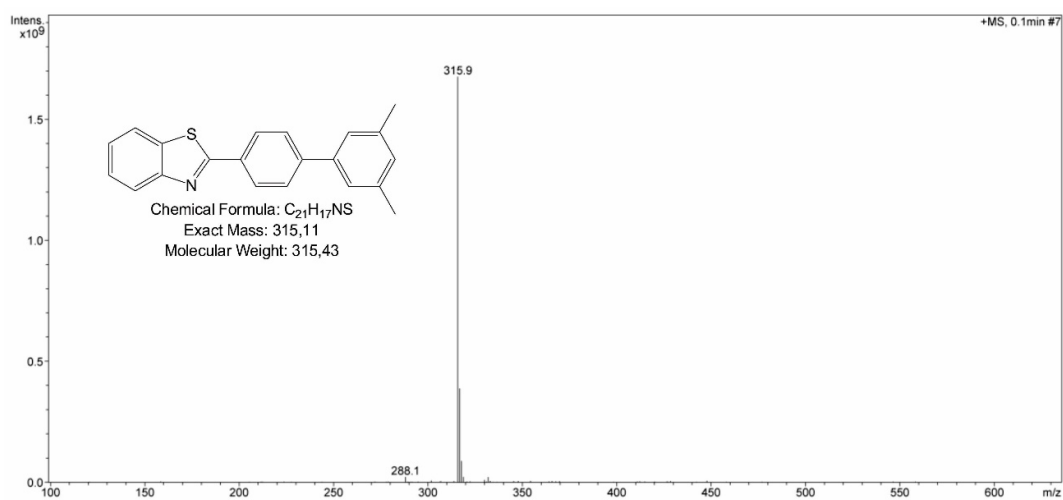


^{13}C NMR spectra of compound 2n

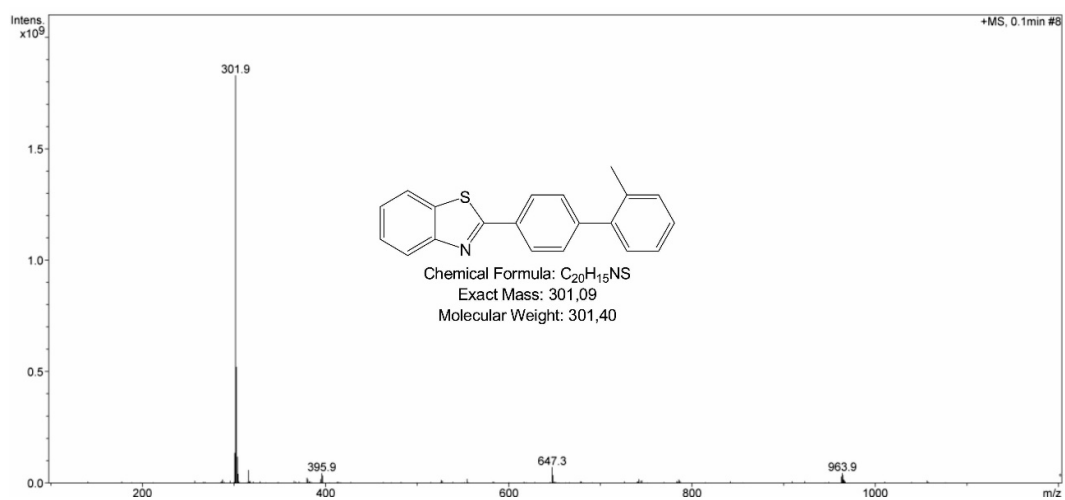


^{13}C NMR spectra of compound 2o

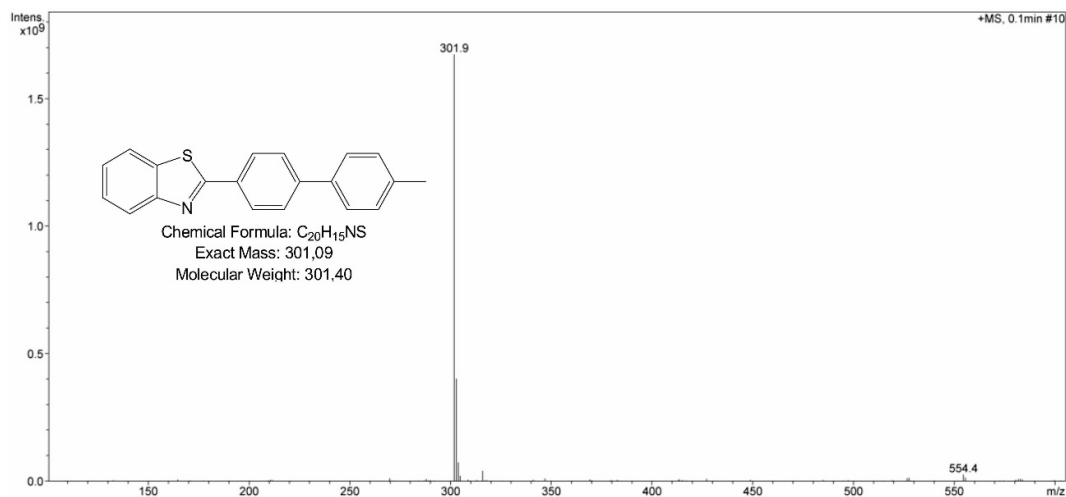
3. MS spectra of compounds



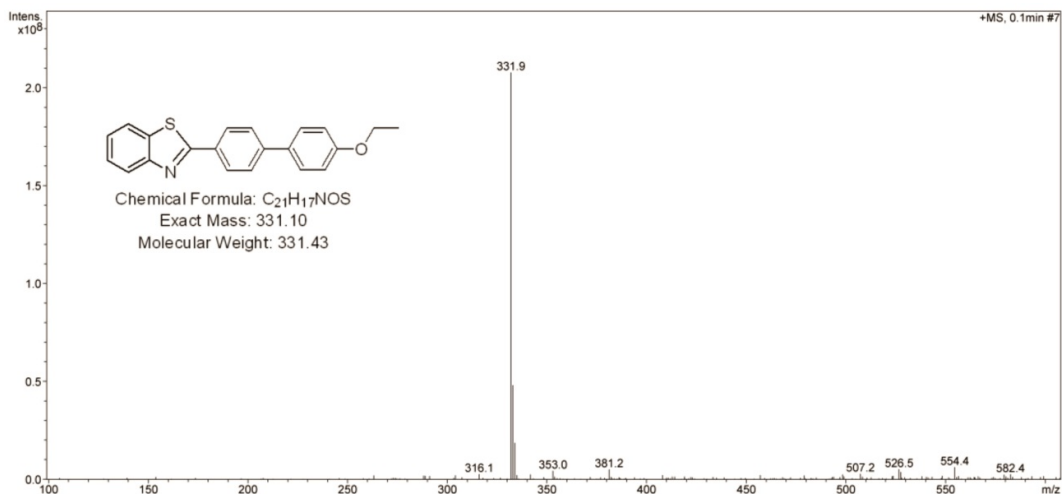
MS spectra of compound 2c



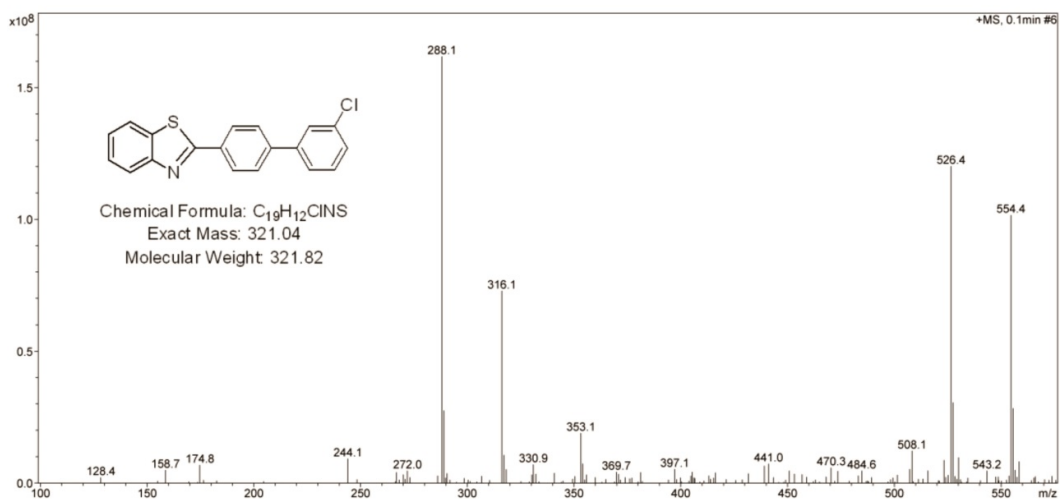
MS spectra of compound 2d



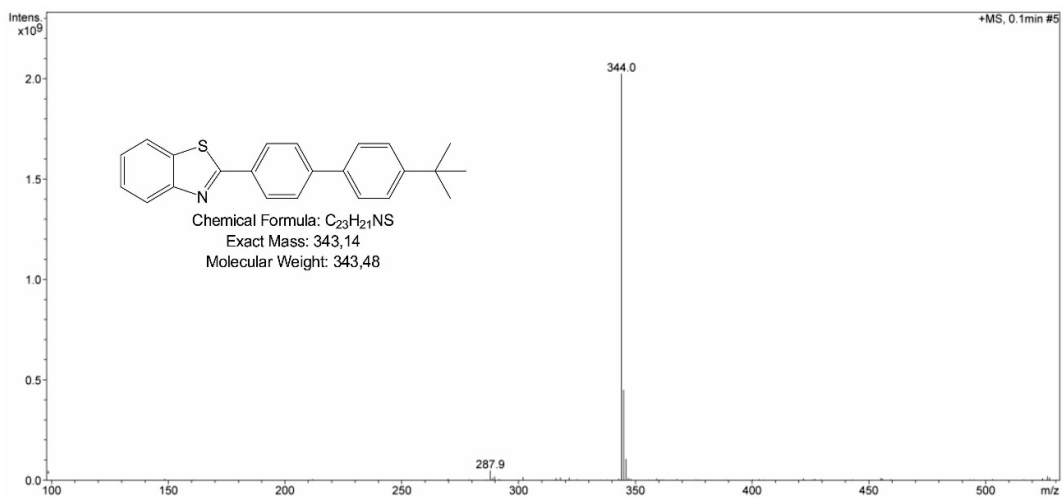
MS spectra of compound 2f



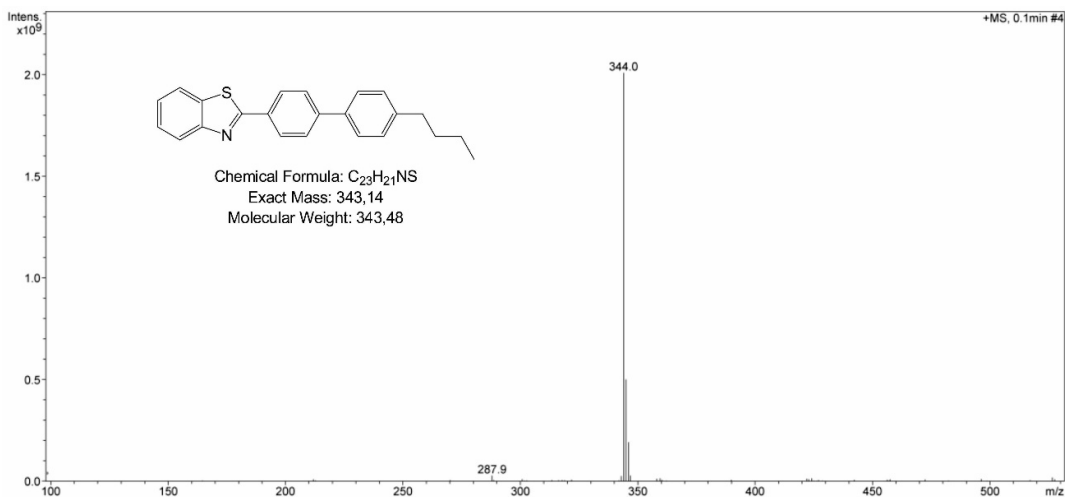
MS spectra of compound 2h



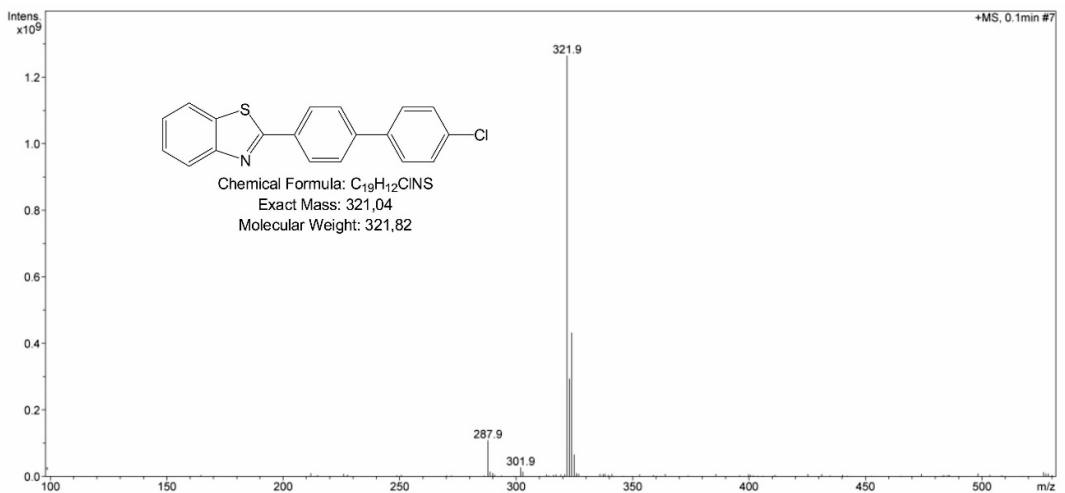
MS spectra of compound 2i



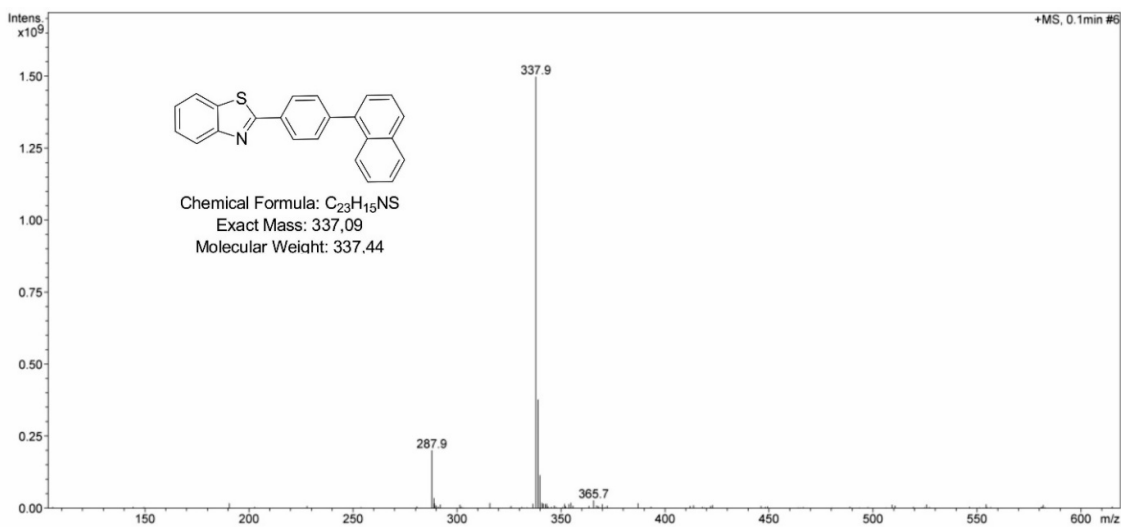
MS spectra of compound 2j



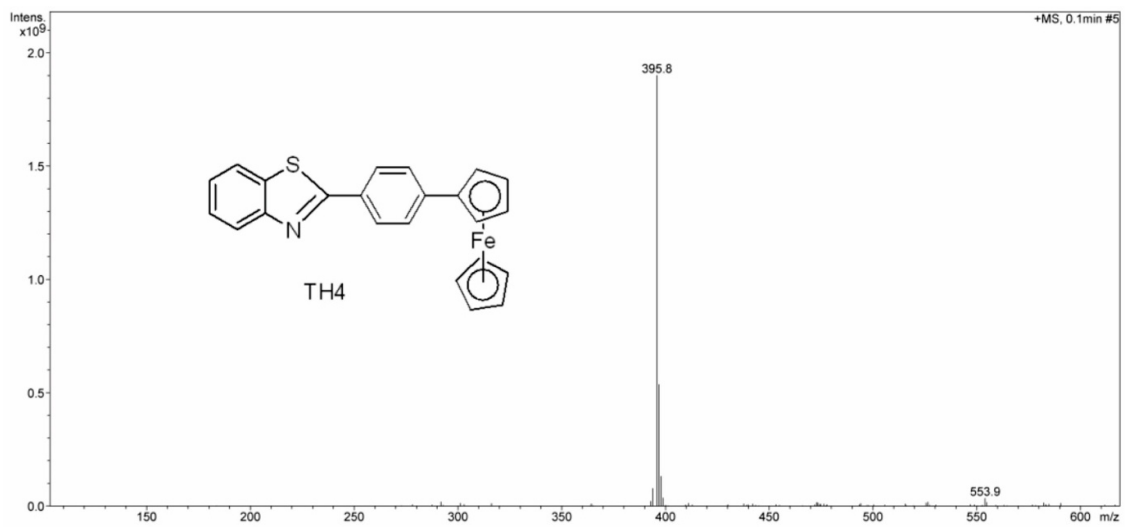
MS spectra of compound 2k



MS spectra of compound 2l



MS spectra of compound 2n



MS spectra of compound 2o