

## Supplementary Material

### Chemistry of polyhalogenated nitrobutadienes, 19: Synthesis of new types of compounds modulating the biological activity of Type I Interferons (IFN-I).

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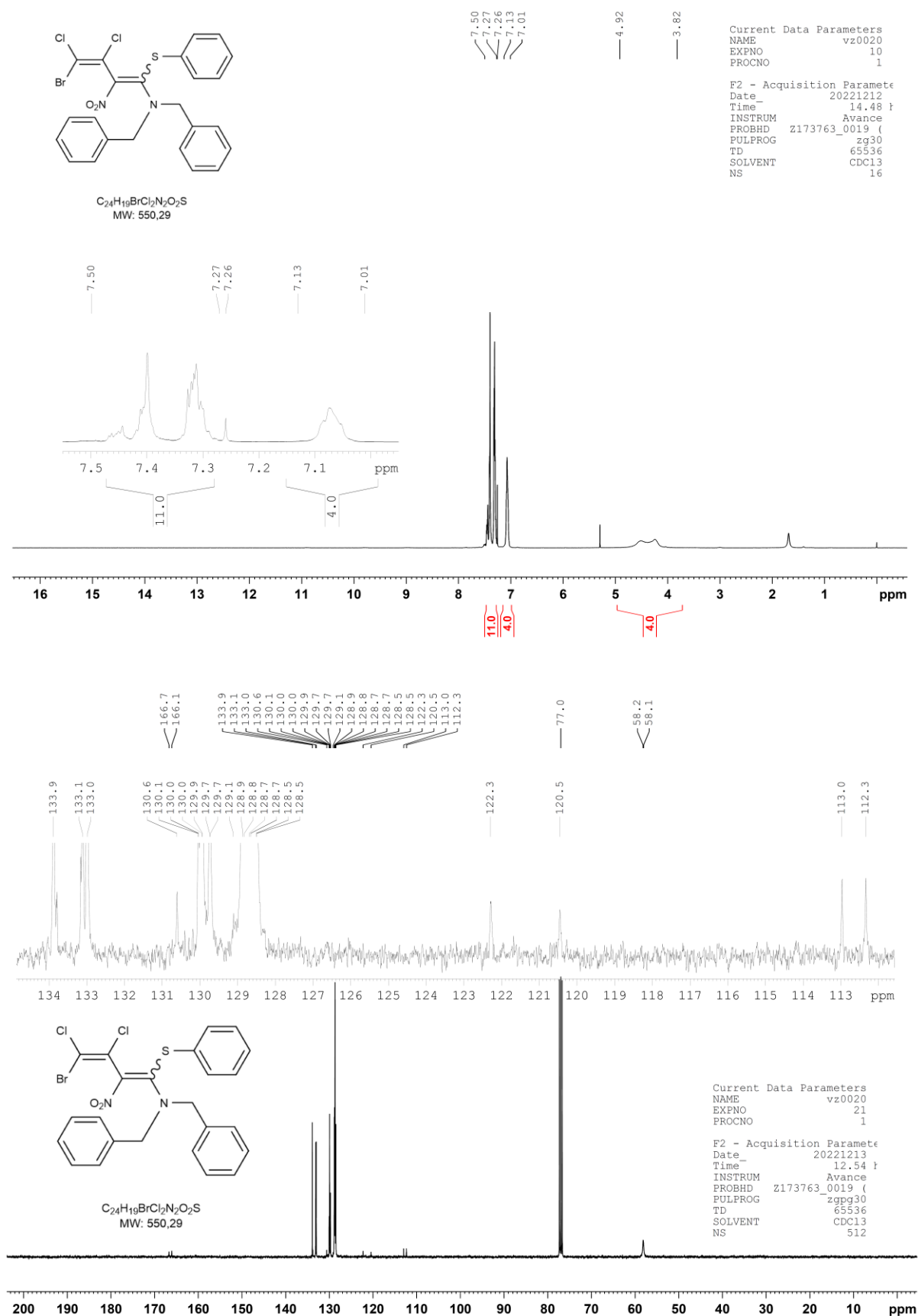
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Figure 1. <sup>1</sup>H and <sup>13</sup>C NMR spectra of butadiene **P5D7**.

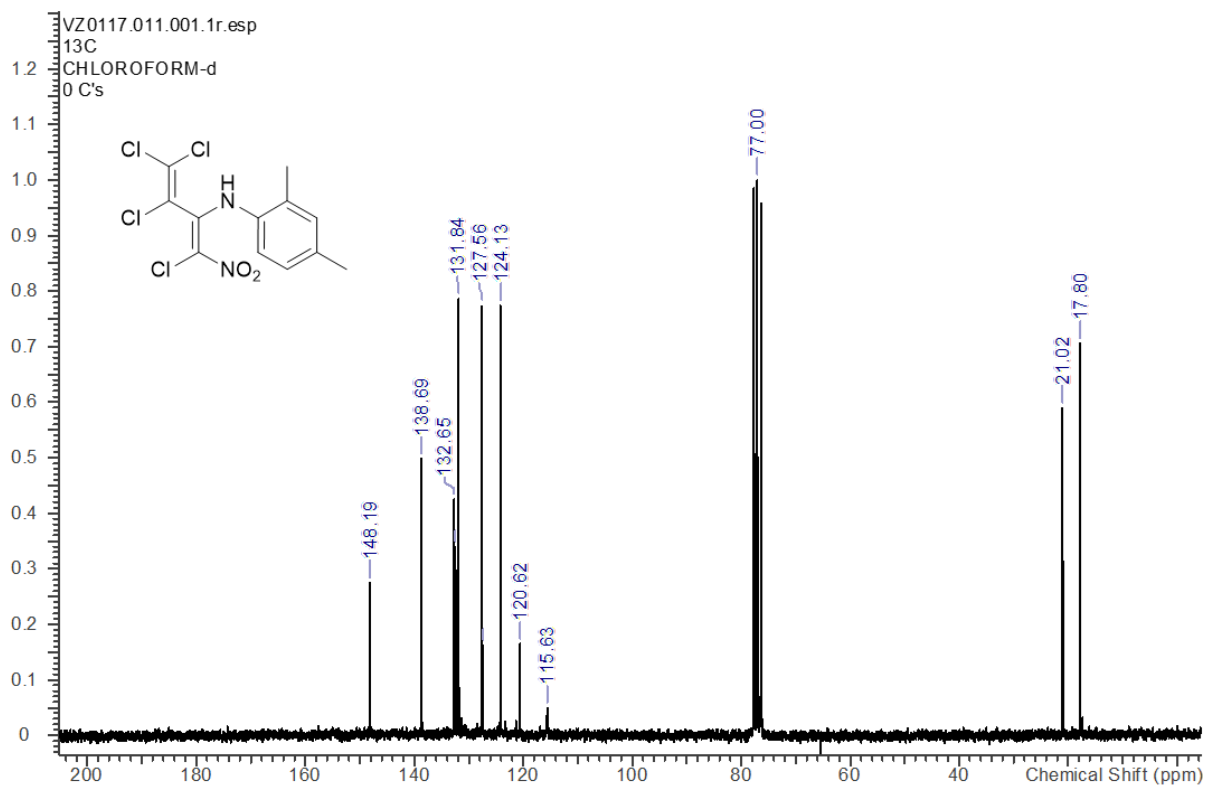
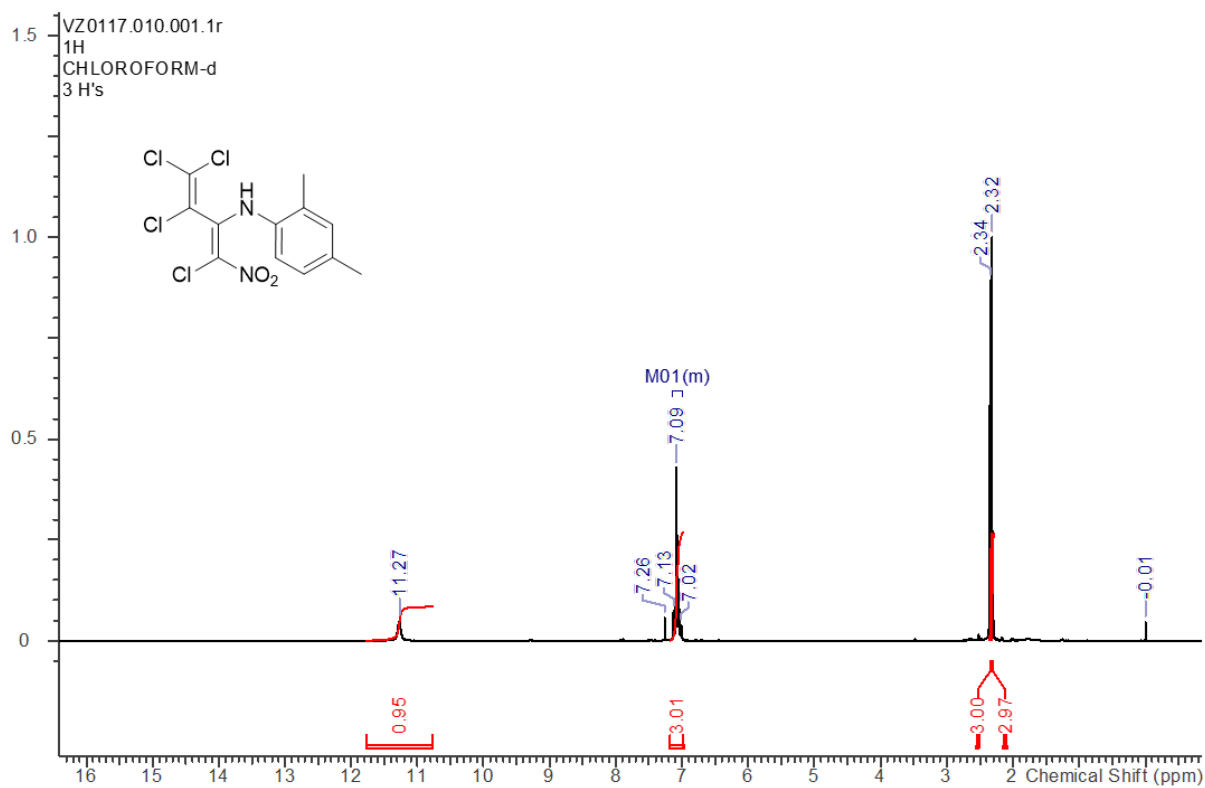


Figure 2.  $^1\text{H}$  and  $^{13}\text{C}$  NMR spectra of butadiene P5H10.

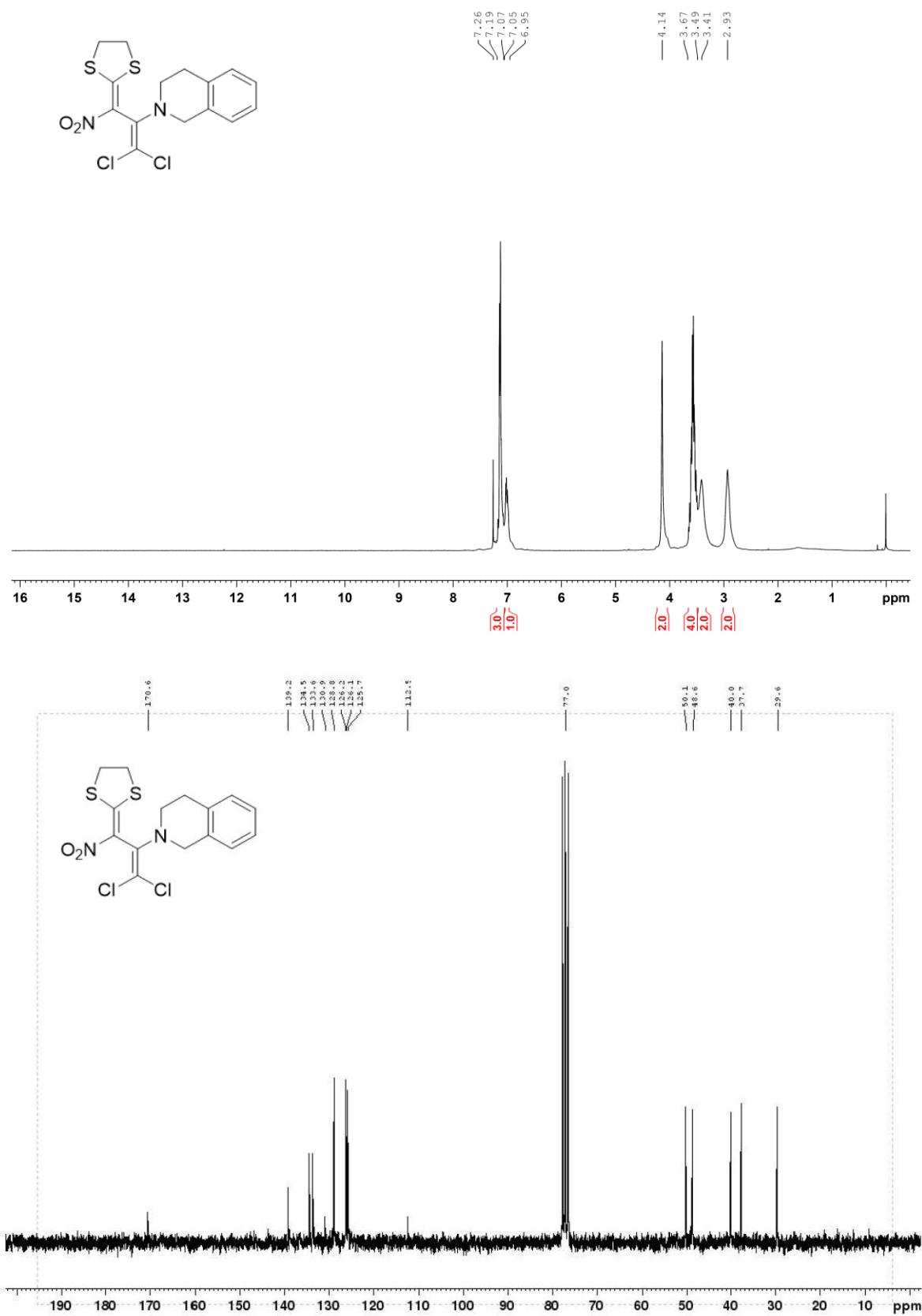


Figure 3.  $^1\text{H}$  and  $^{13}\text{C}$  NMR spectra of isoquinoline **P28H3**.

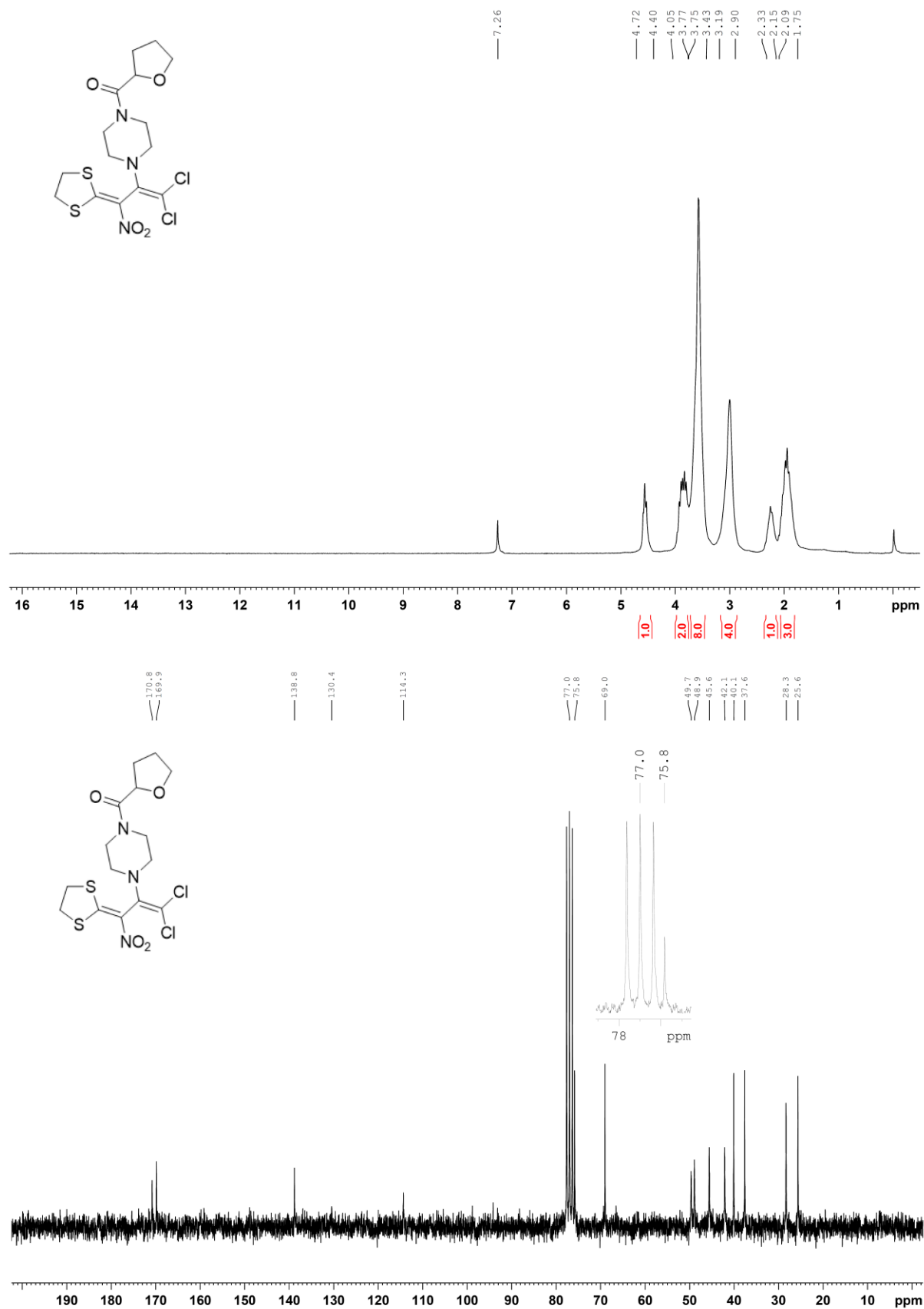
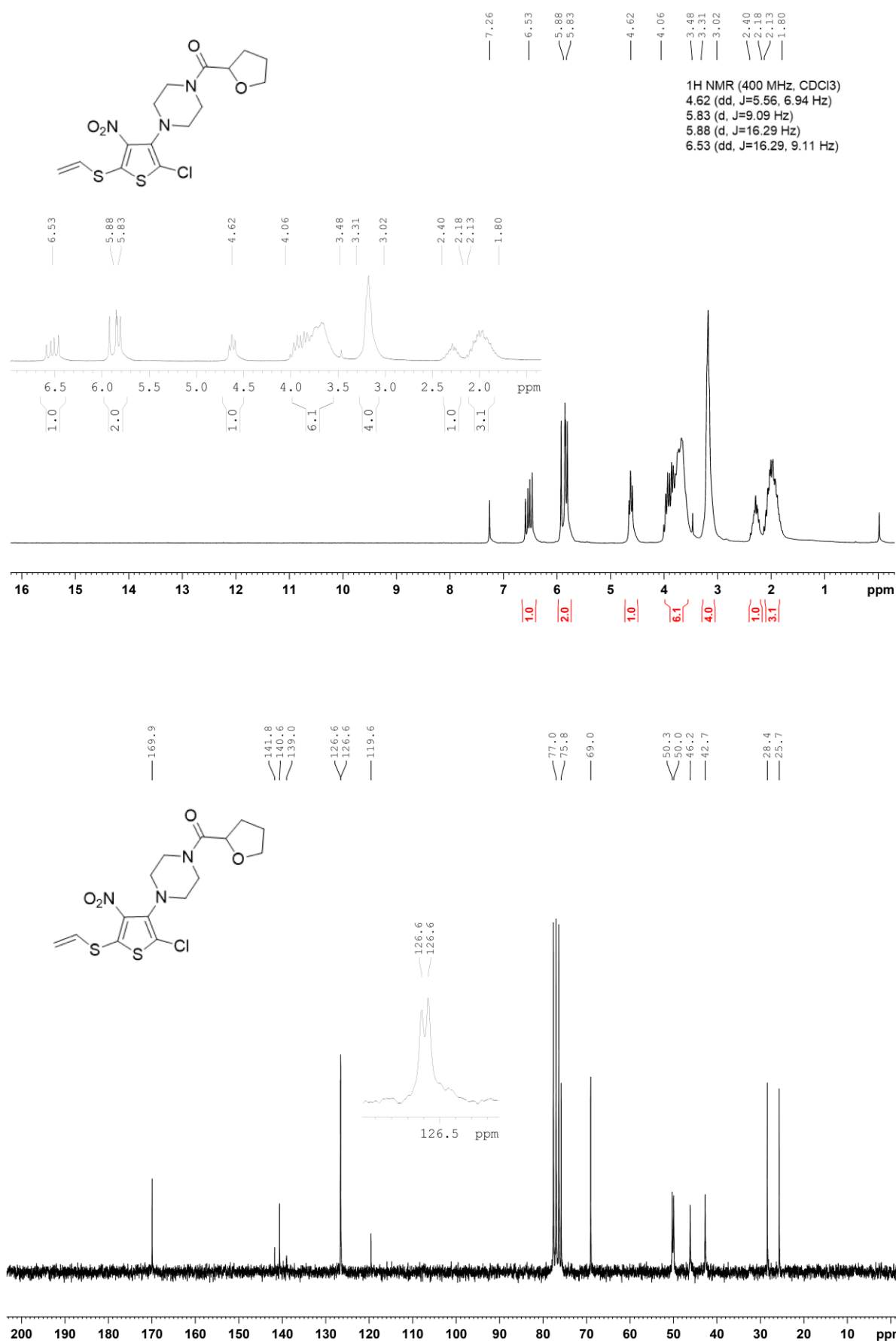
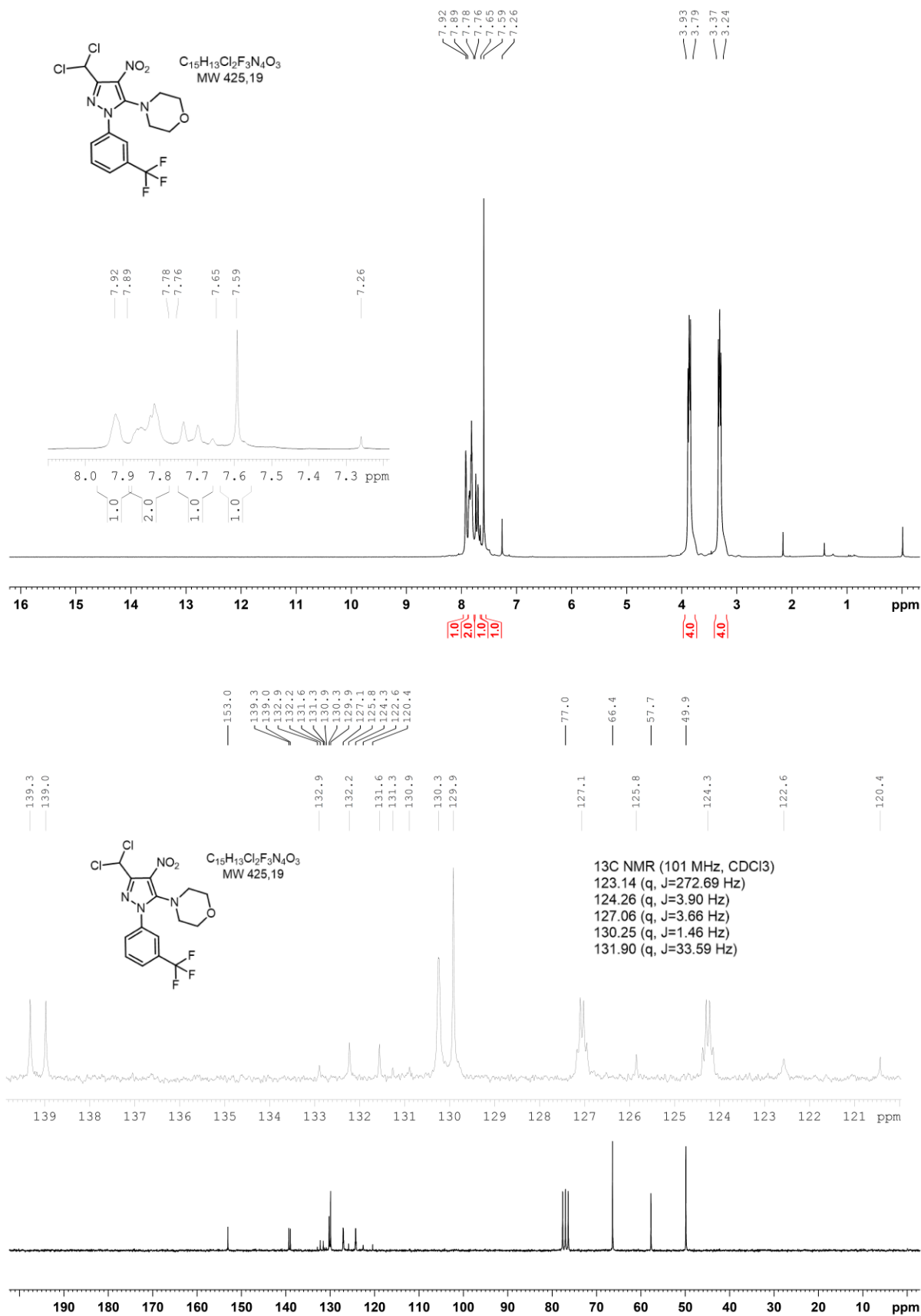
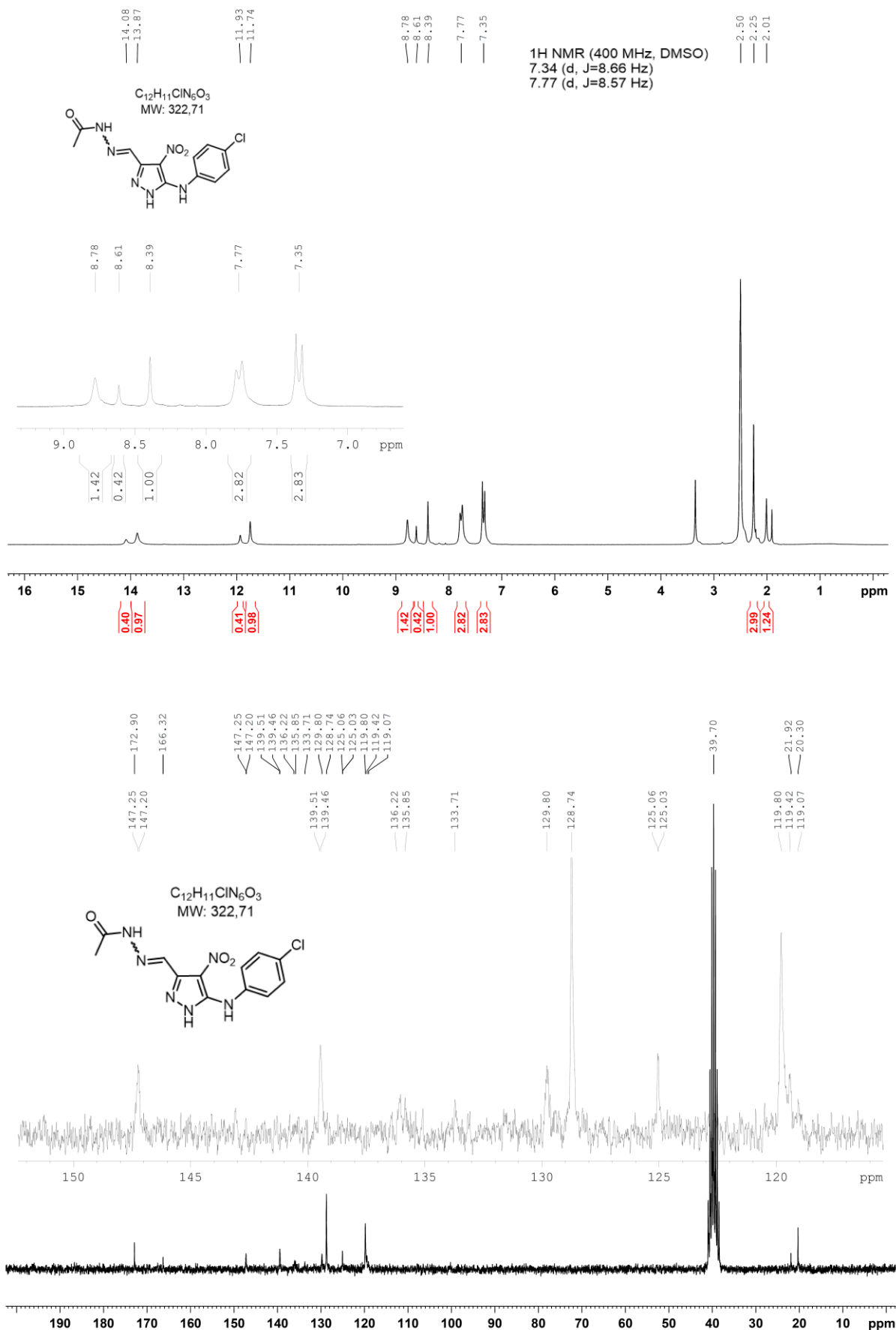


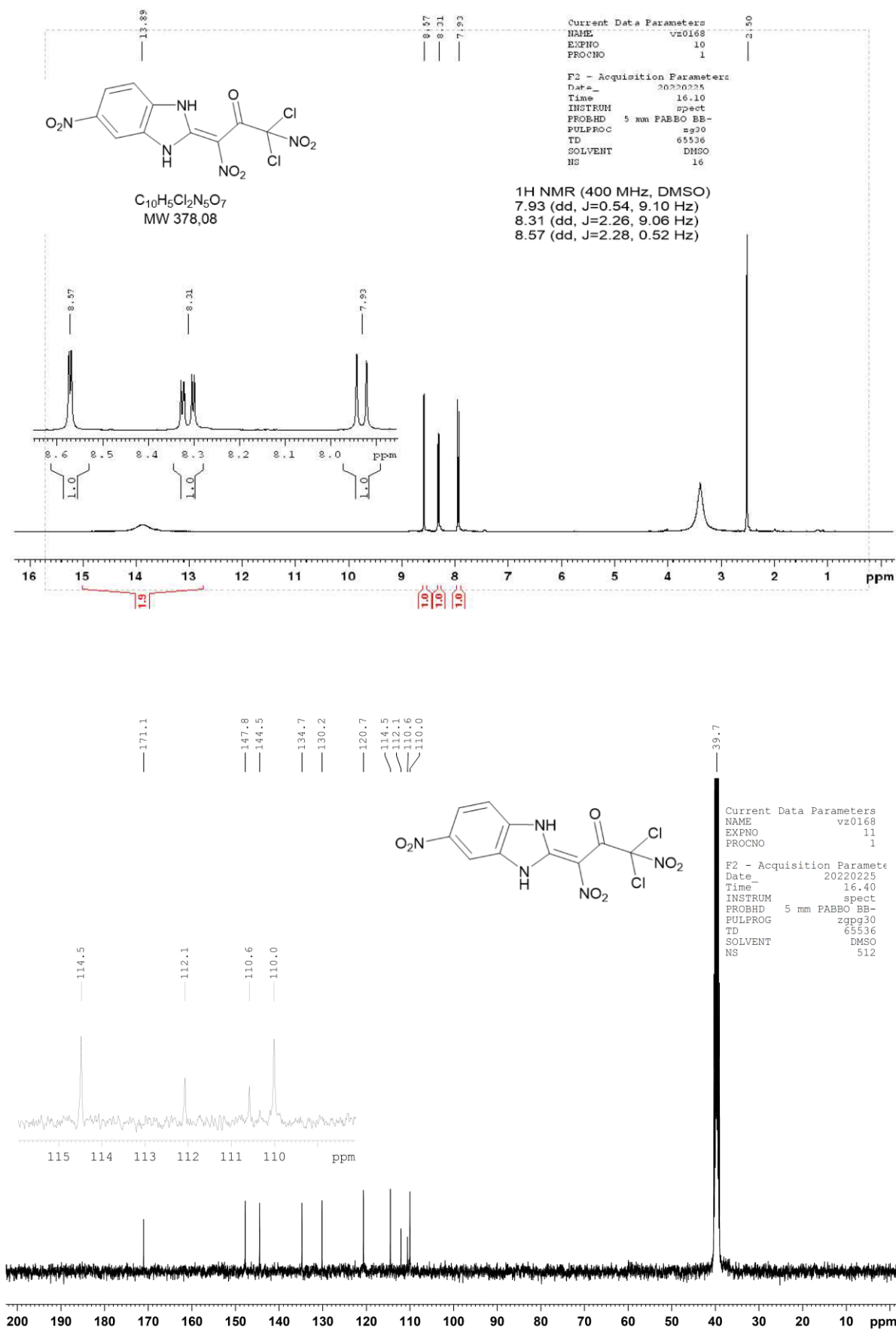
Figure 4.  $^1\text{H}$  and  $^{13}\text{C}$  NMR spectra of dithiolane 15.

Figure 5. <sup>1</sup>H and <sup>13</sup>C NMR spectra of thiophene **P28G6**.

Figure 6.  $^1H$  and  $^{13}C$  NMR spectra of pyrazole **P28E1**.

Figure 7.  $^1H$  and  $^{13}C$  NMR spectra of pyrazole P28E9.



Figure 8. <sup>1</sup>H and <sup>13</sup>C NMR spectra of benzoimidazole 20.

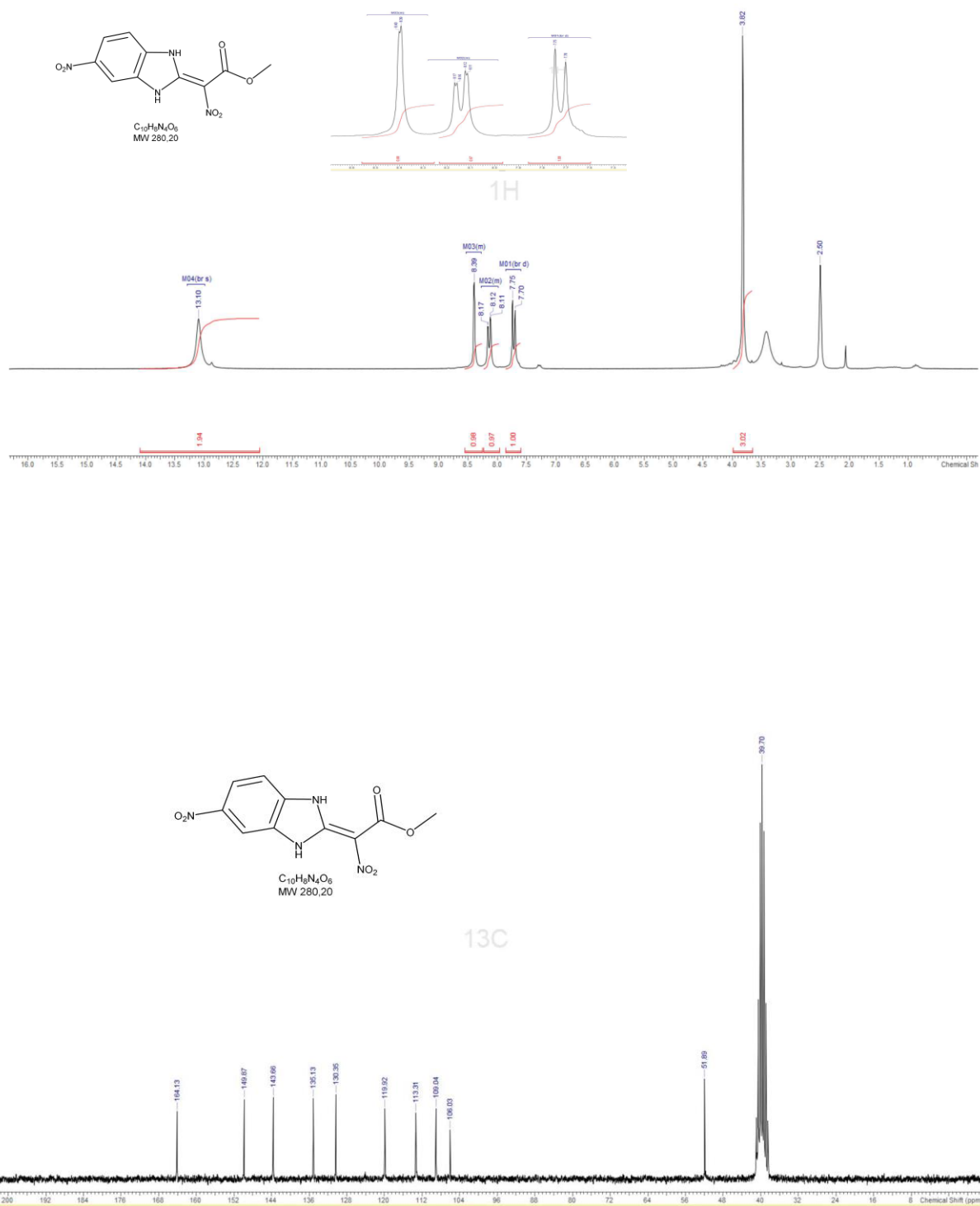
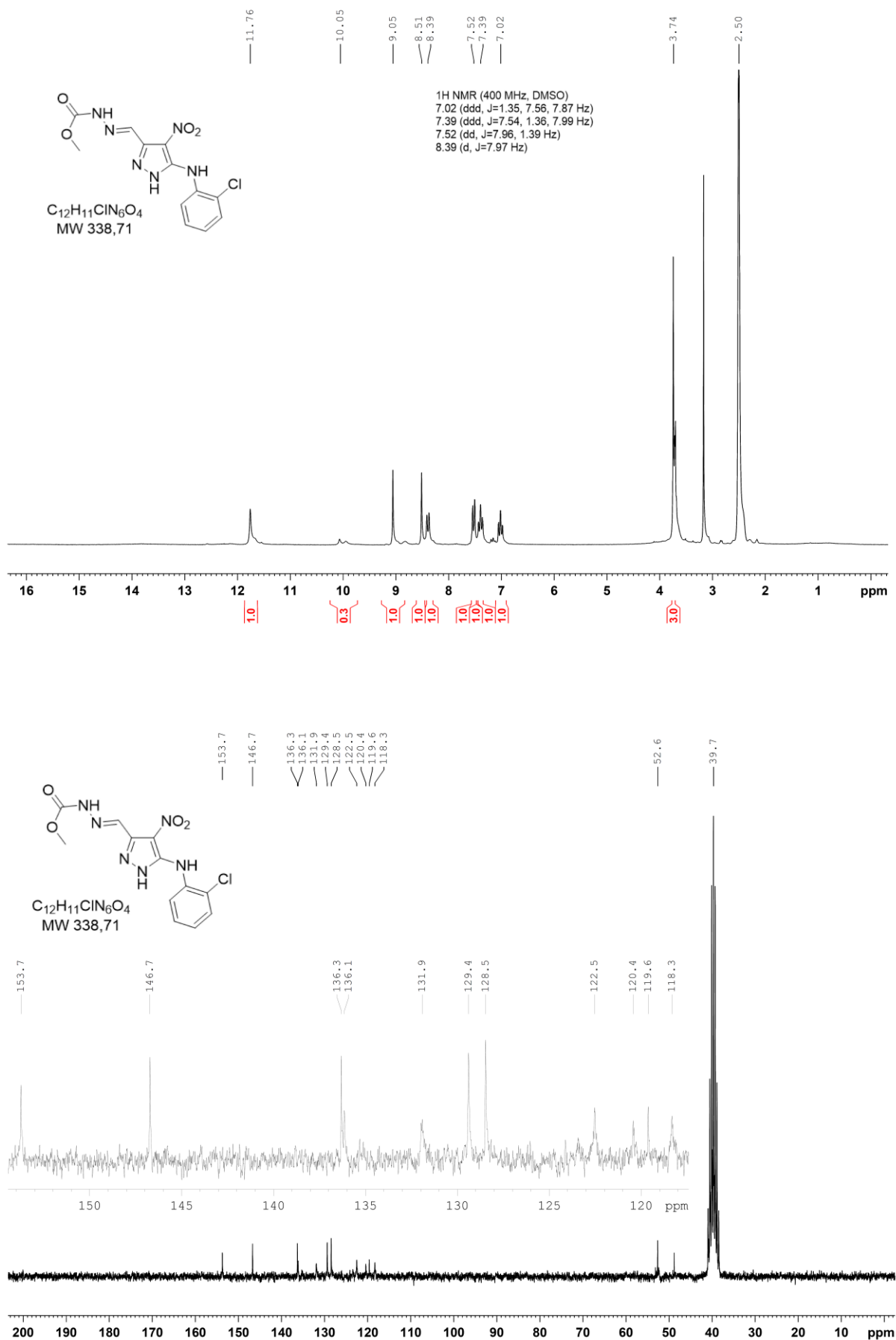


Figure 9.  $^1H$  and  $^{13}C$  NMR spectra of benzoimidazole P6H1.

Figure 10. <sup>1</sup>H and <sup>13</sup>C NMR spectra of pyrazole **22**.

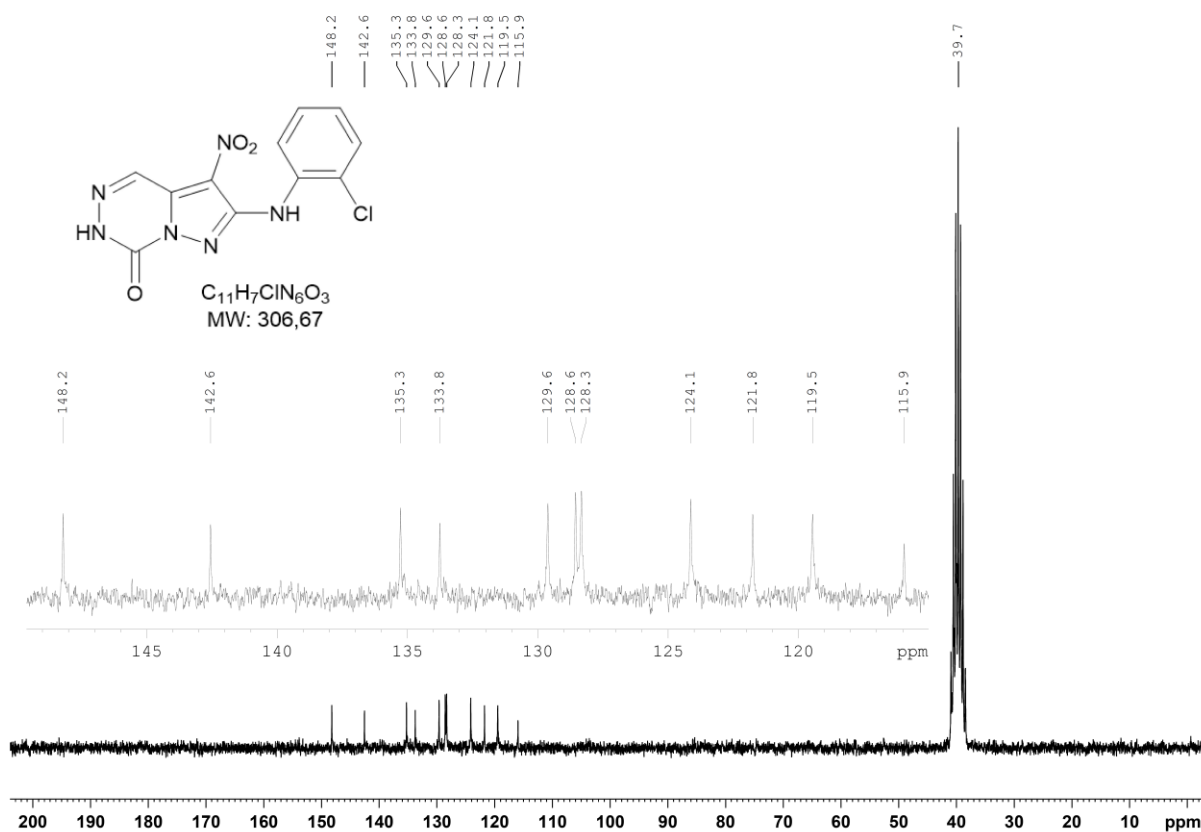
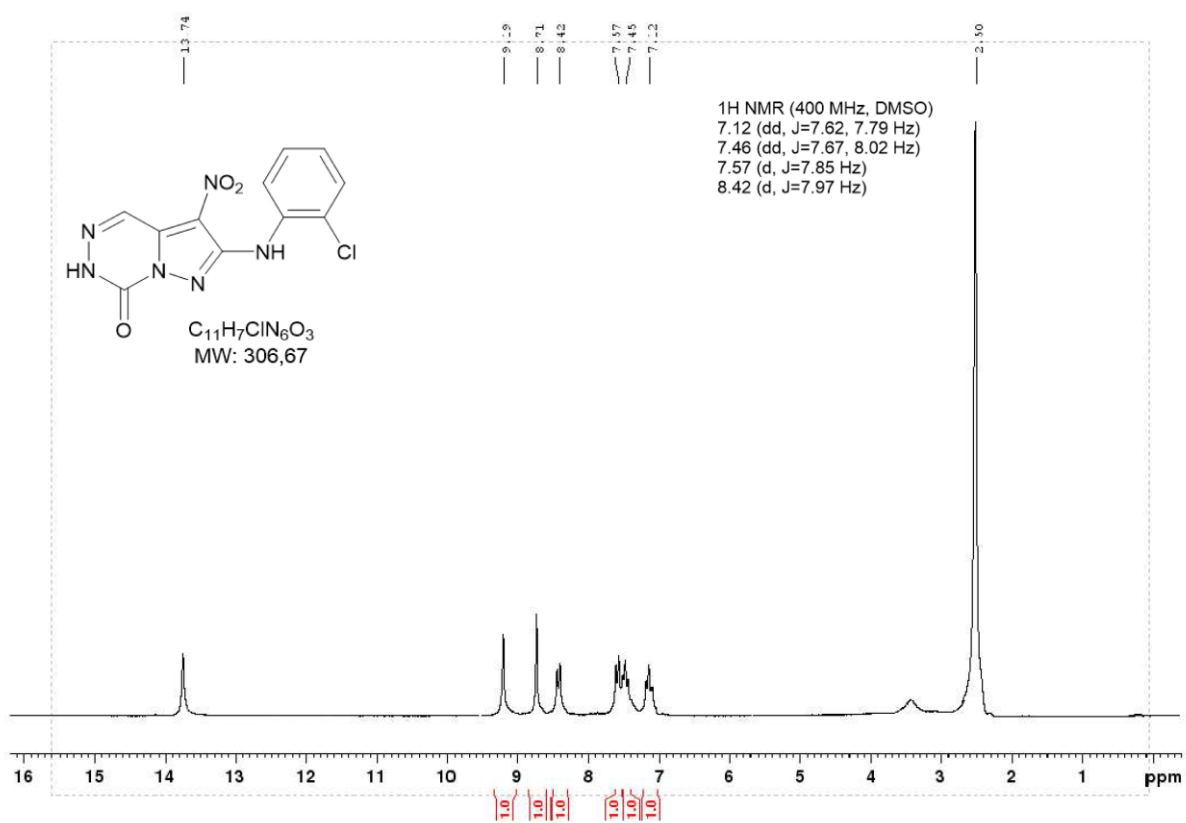


Figure 11.  $^1H$  and  $^{13}C$  NMR spectra of triazinone **P28H7**.

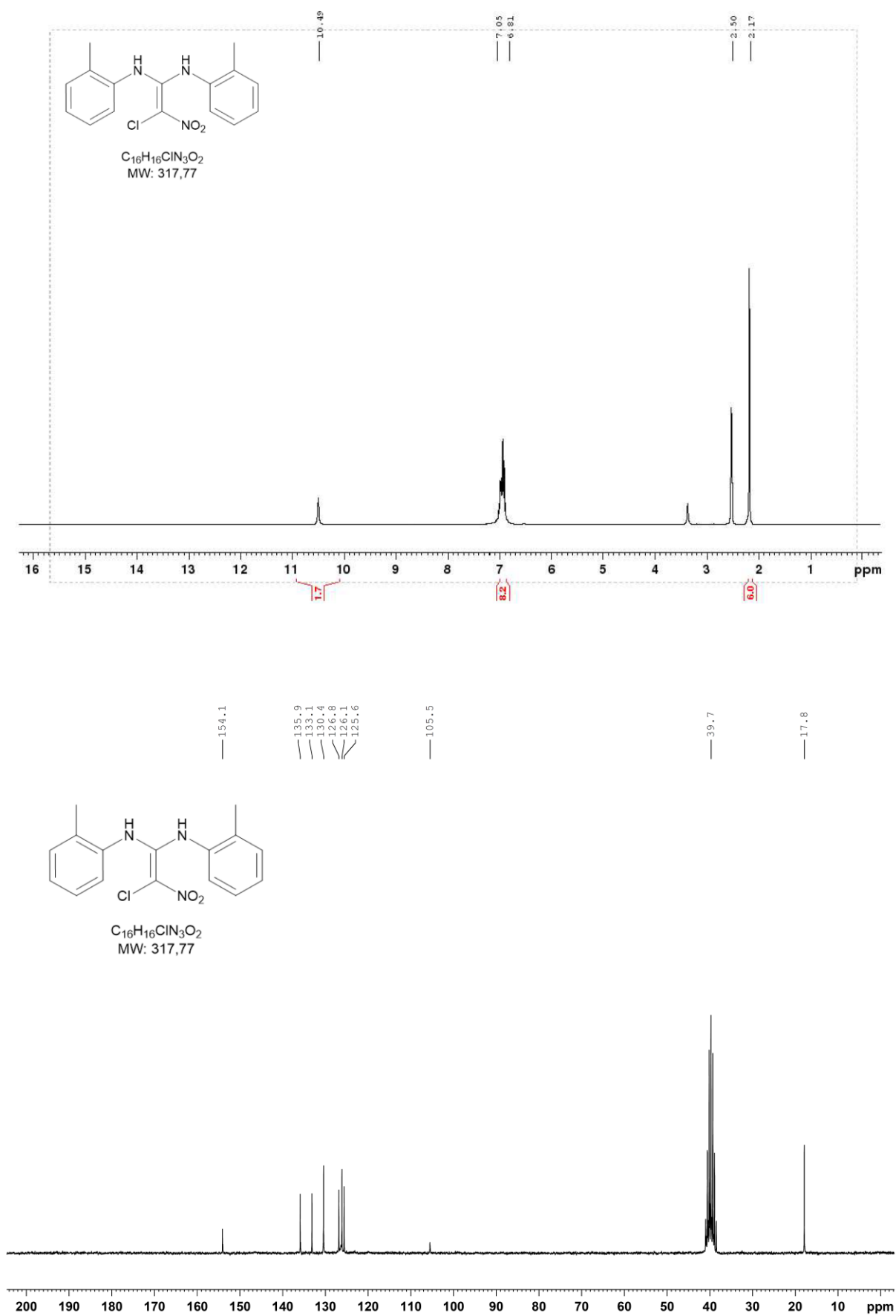
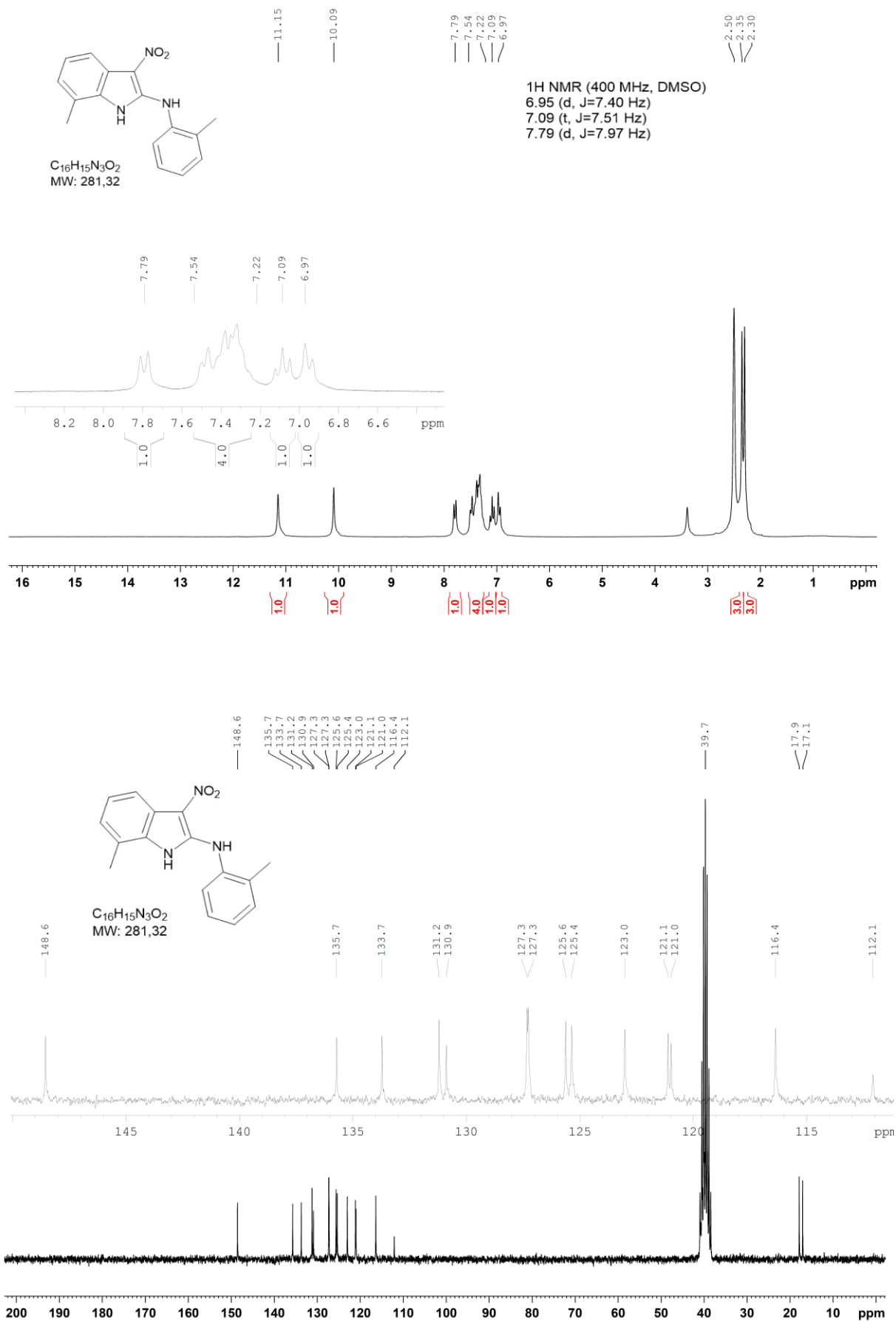


Figure 12. <sup>1</sup>H and <sup>13</sup>C NMR spectra of nitroethene **24**.

Figure 13. <sup>1</sup>H and <sup>13</sup>C NMR spectra of nitroindole P28F7.