

**Supporting information for**

**Preparation of dipyrins from F-BODIPYs by treatment with  
methanesulfonic acids**

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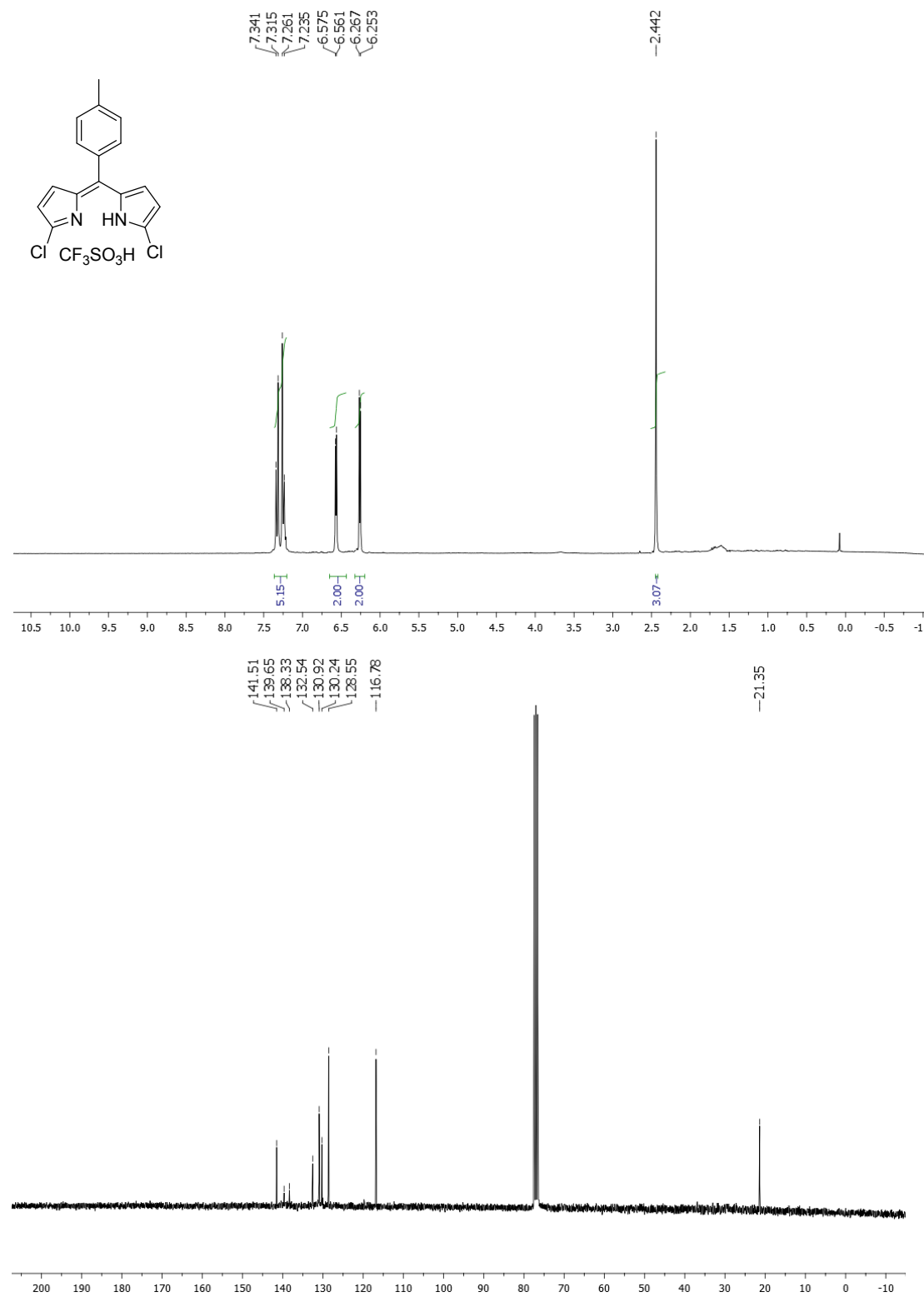
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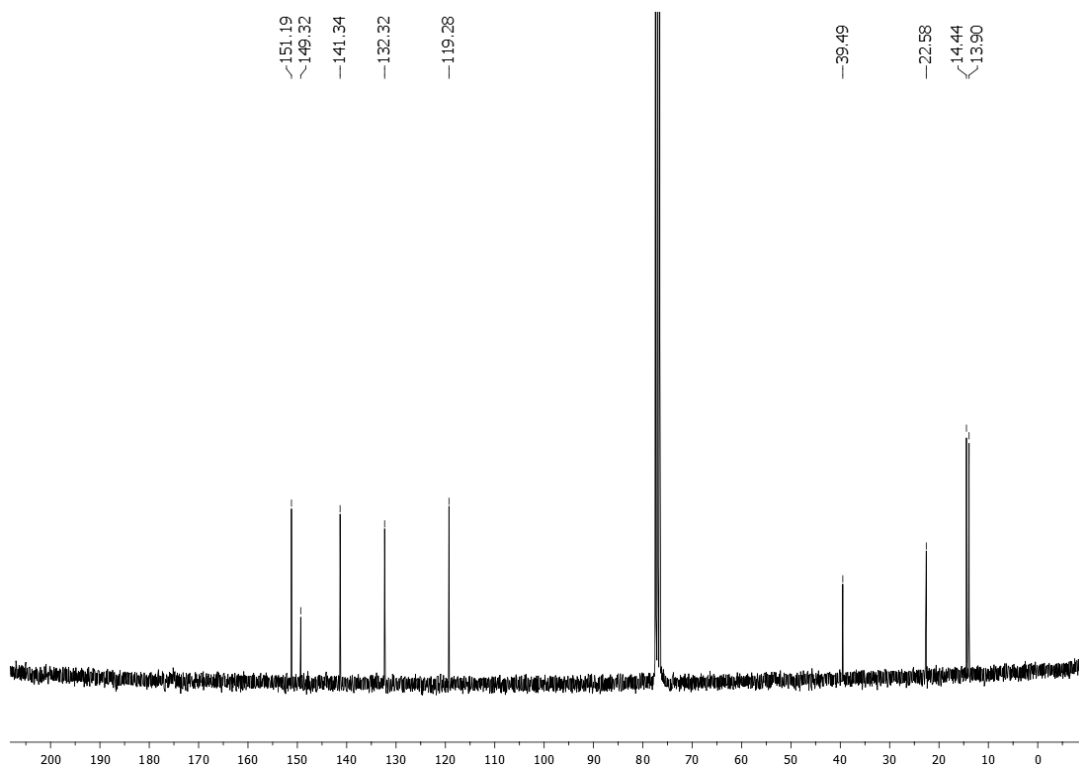
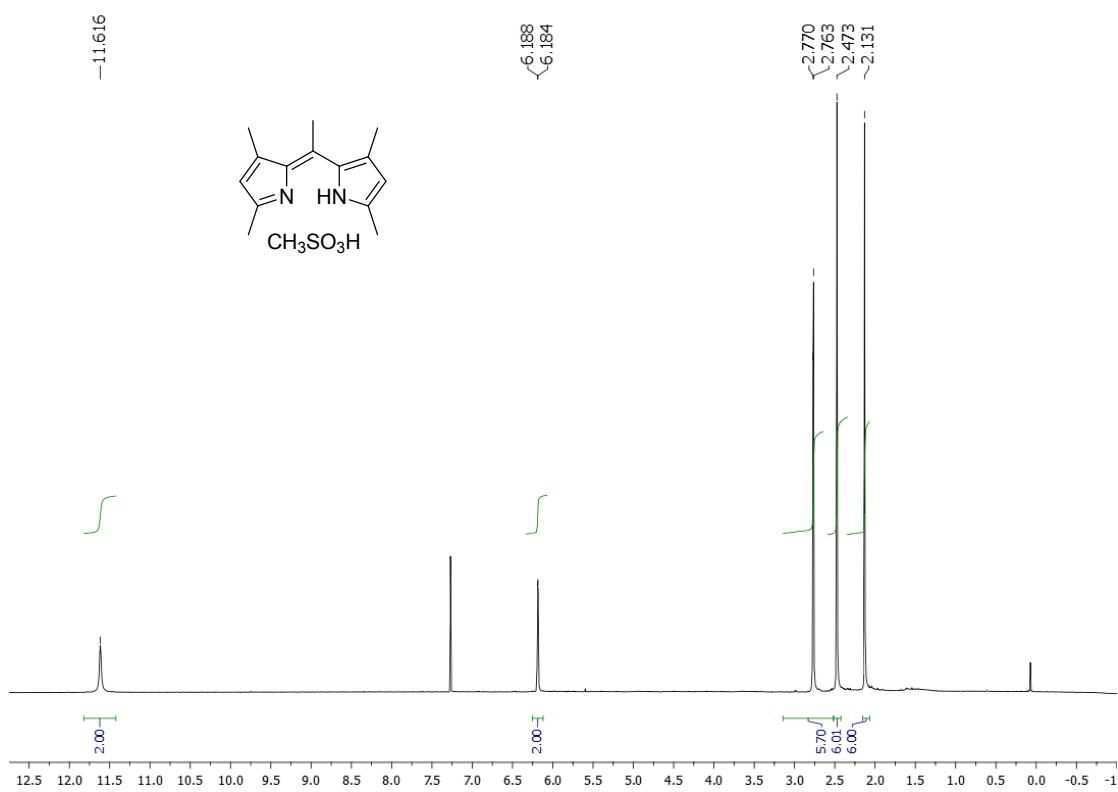
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Experimental Section.  $^1\text{H}$  NMR ( $\text{CDCl}_3$ , 300 MHz) and  $^{13}\text{C}$  NMR ( $\text{CDCl}_3$ , 75 MHz) spectra

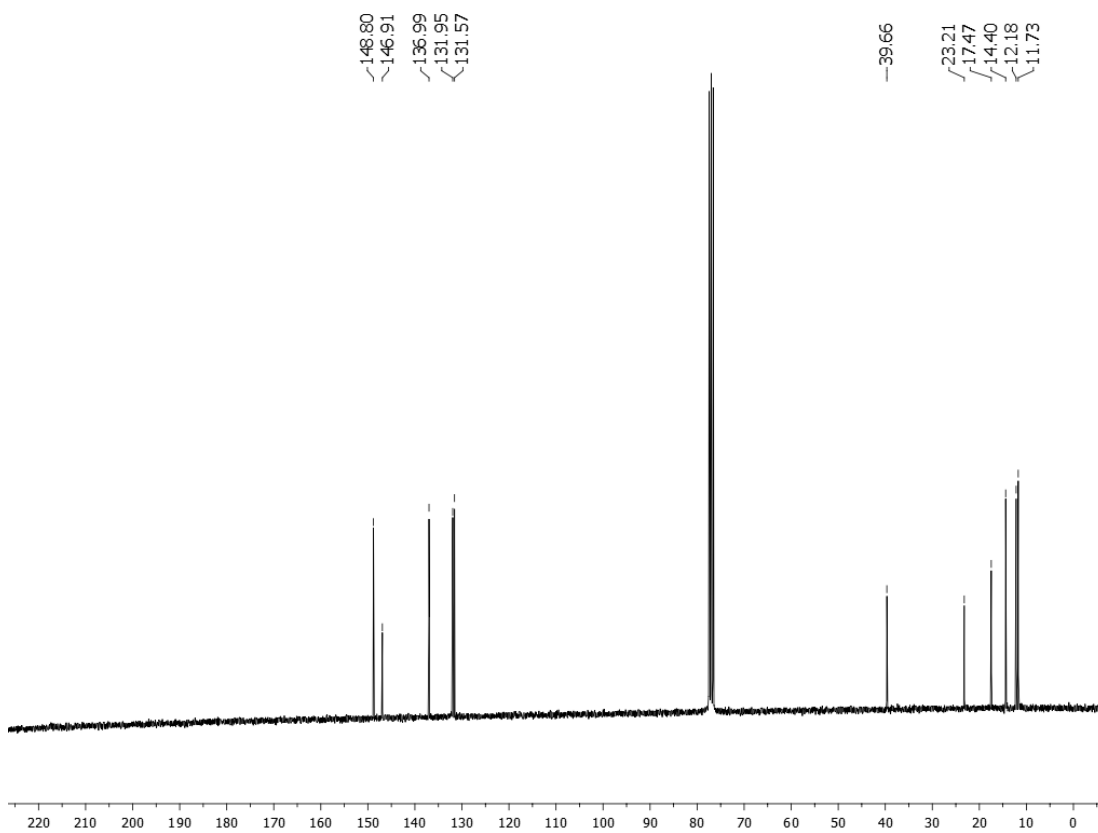
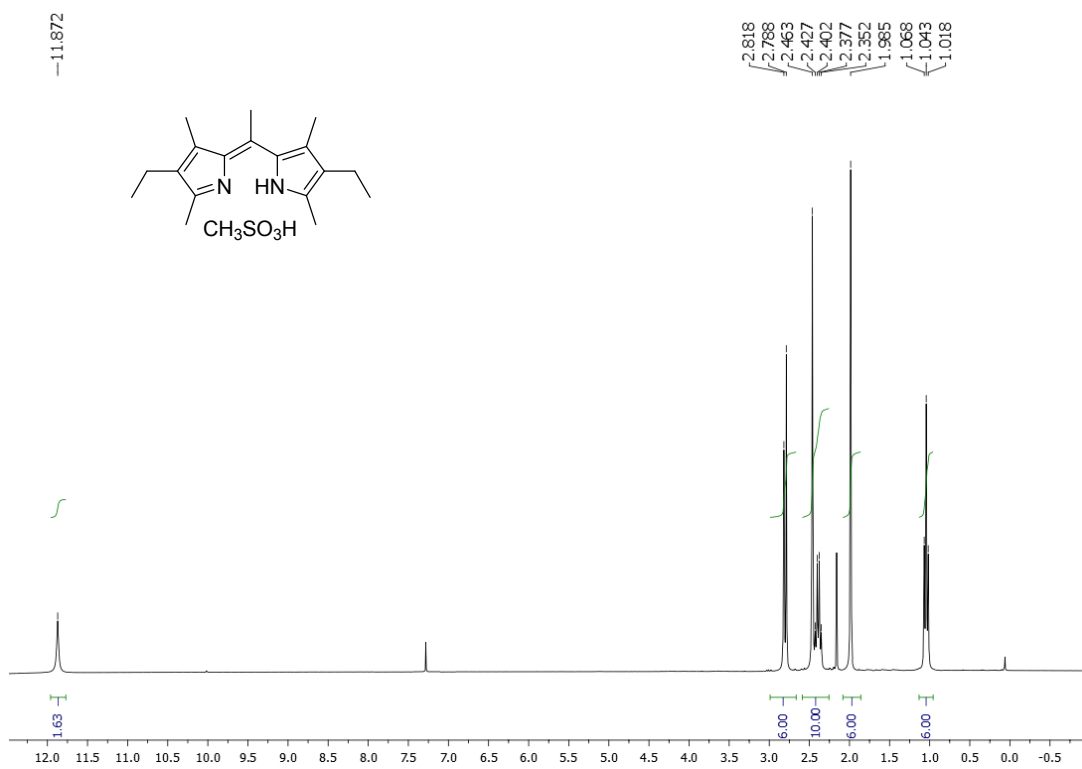
$^1\text{H}$  NMR and  $^{13}\text{C}$  NMR spectra of **4**



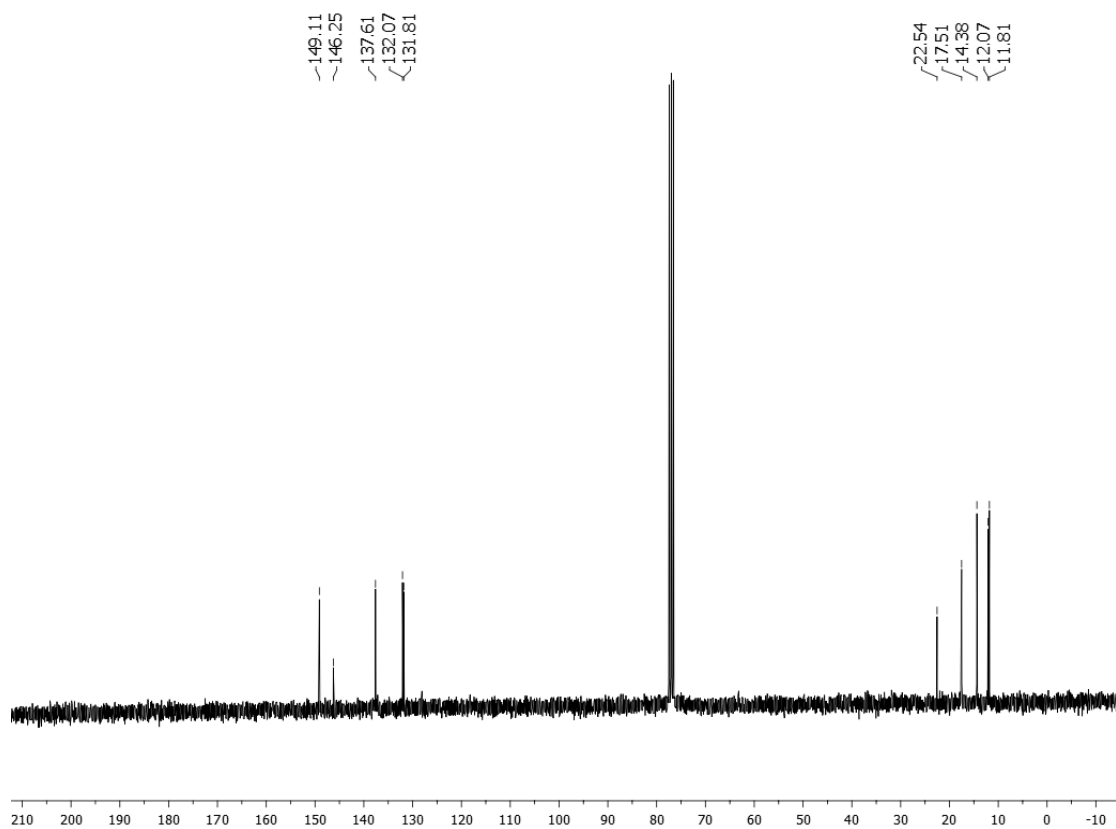
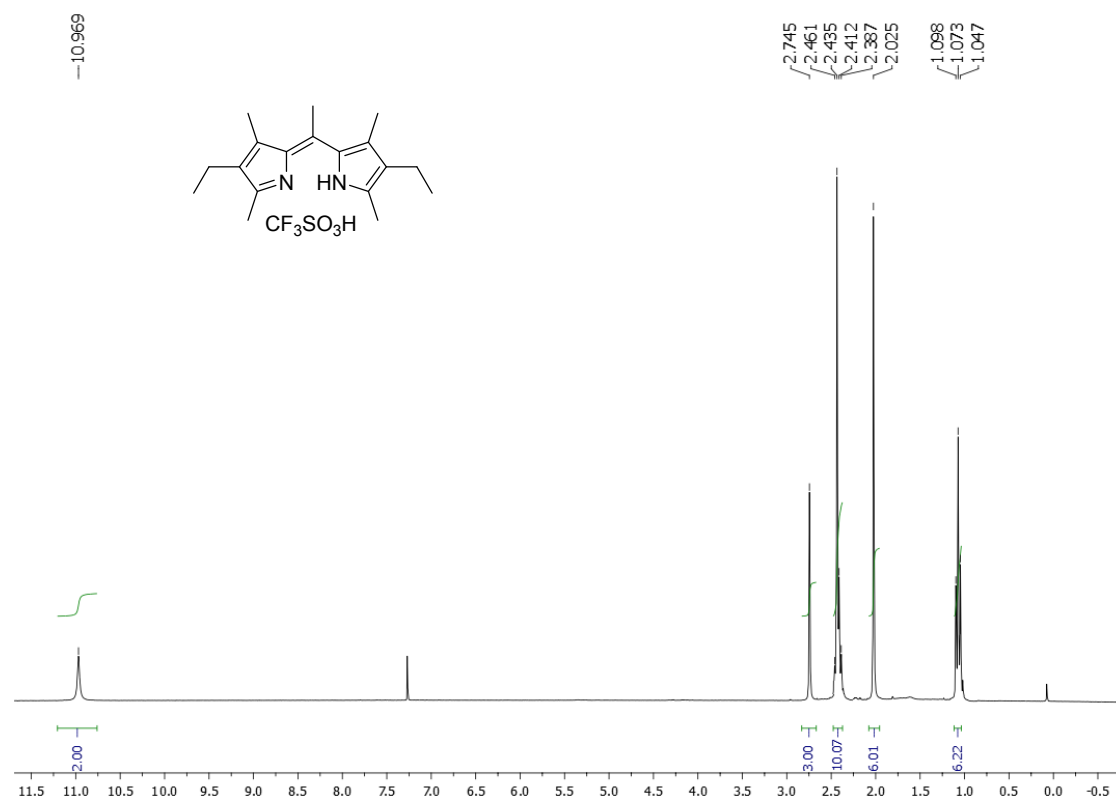
<sup>1</sup>H NMR and <sup>13</sup>C NMR spectra of **6a**



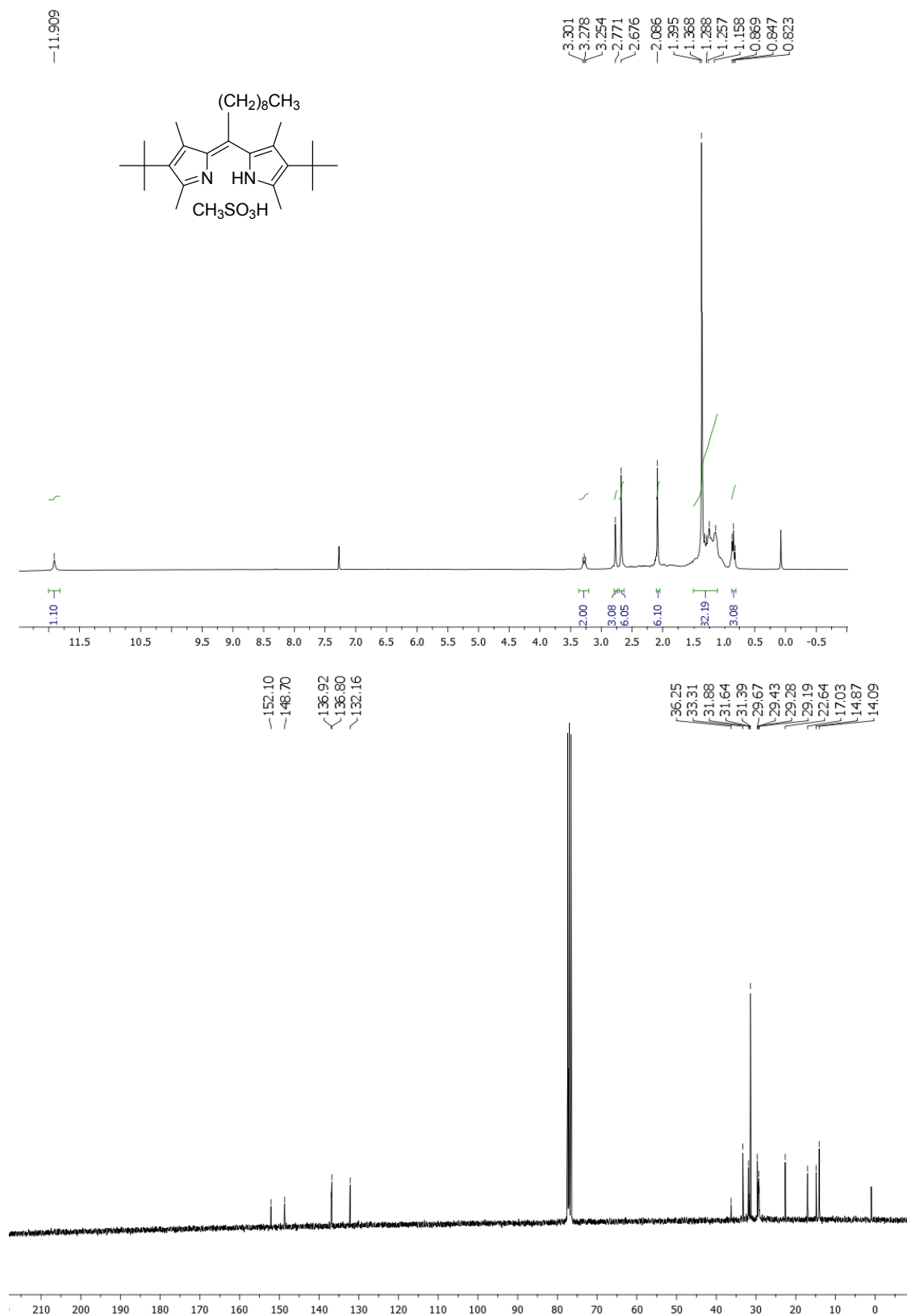
$^1\text{H}$  NMR and  $^{13}\text{C}$  NMR spectra of **6b**



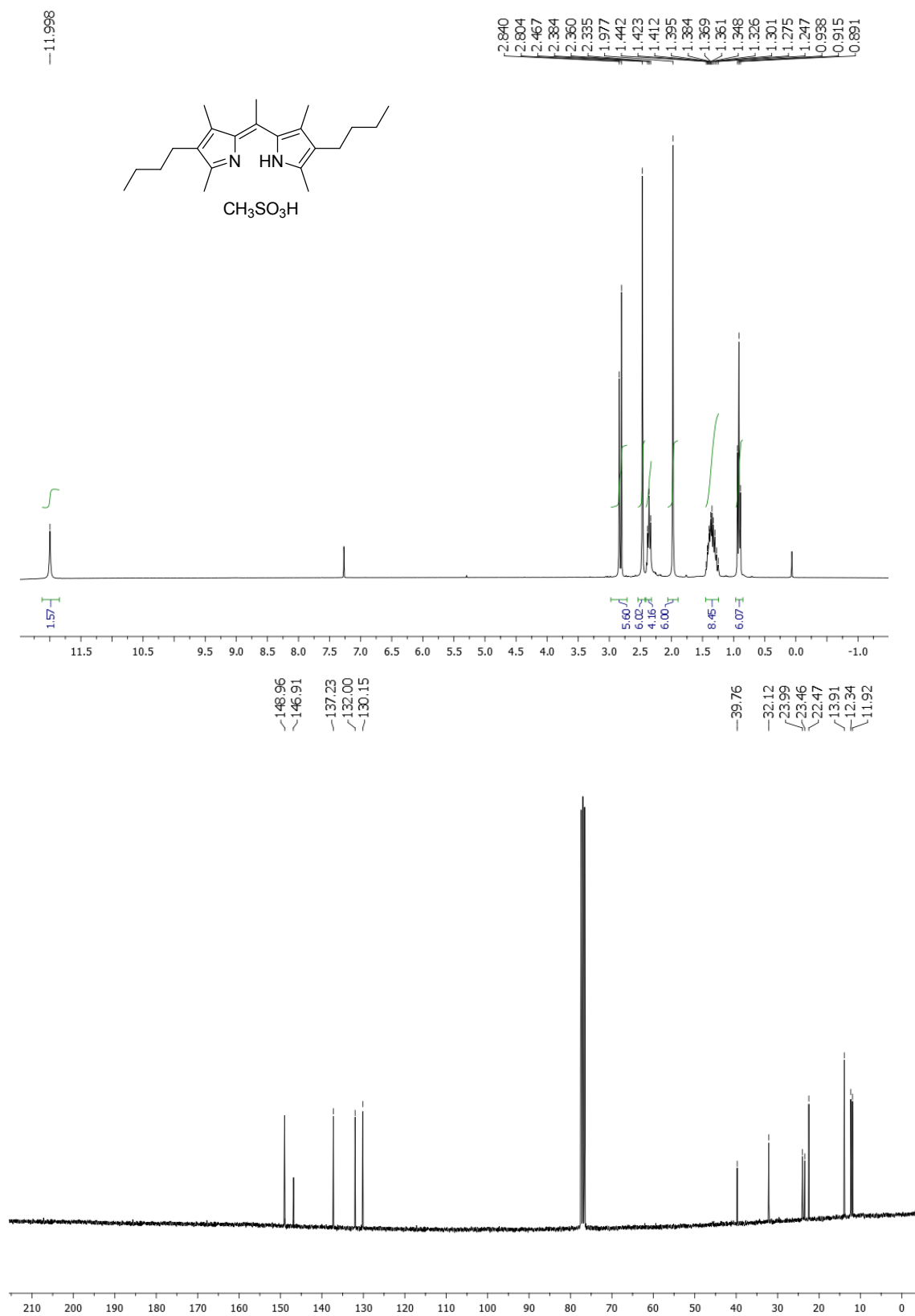
$^1\text{H}$  NMR and  $^{13}\text{C}$  NMR spectra of **6b'**



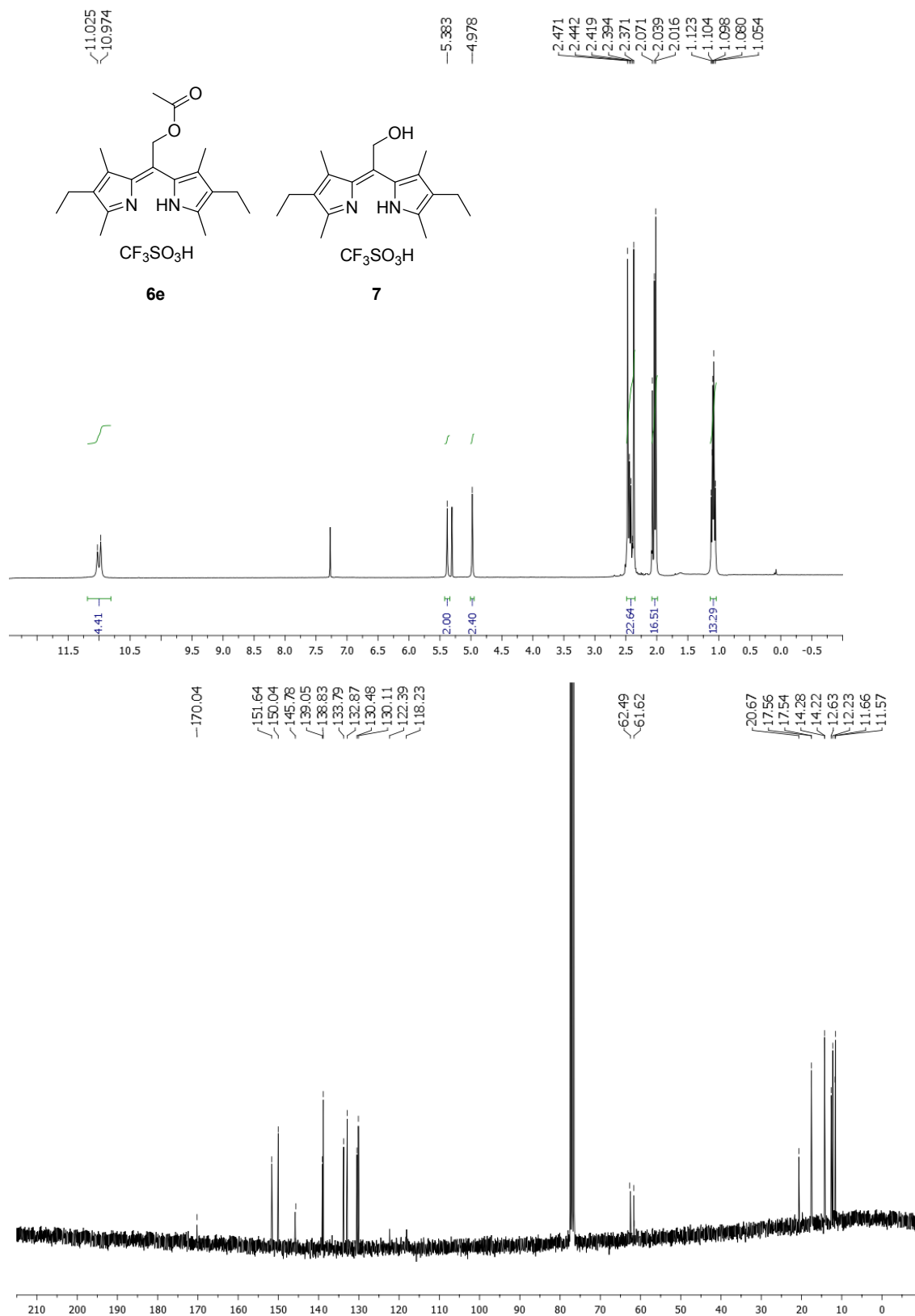
$^1\text{H}$  NMR and  $^{13}\text{C}$  NMR spectra of **6c**



<sup>1</sup>H NMR and <sup>13</sup>C NMR spectra of **6d**

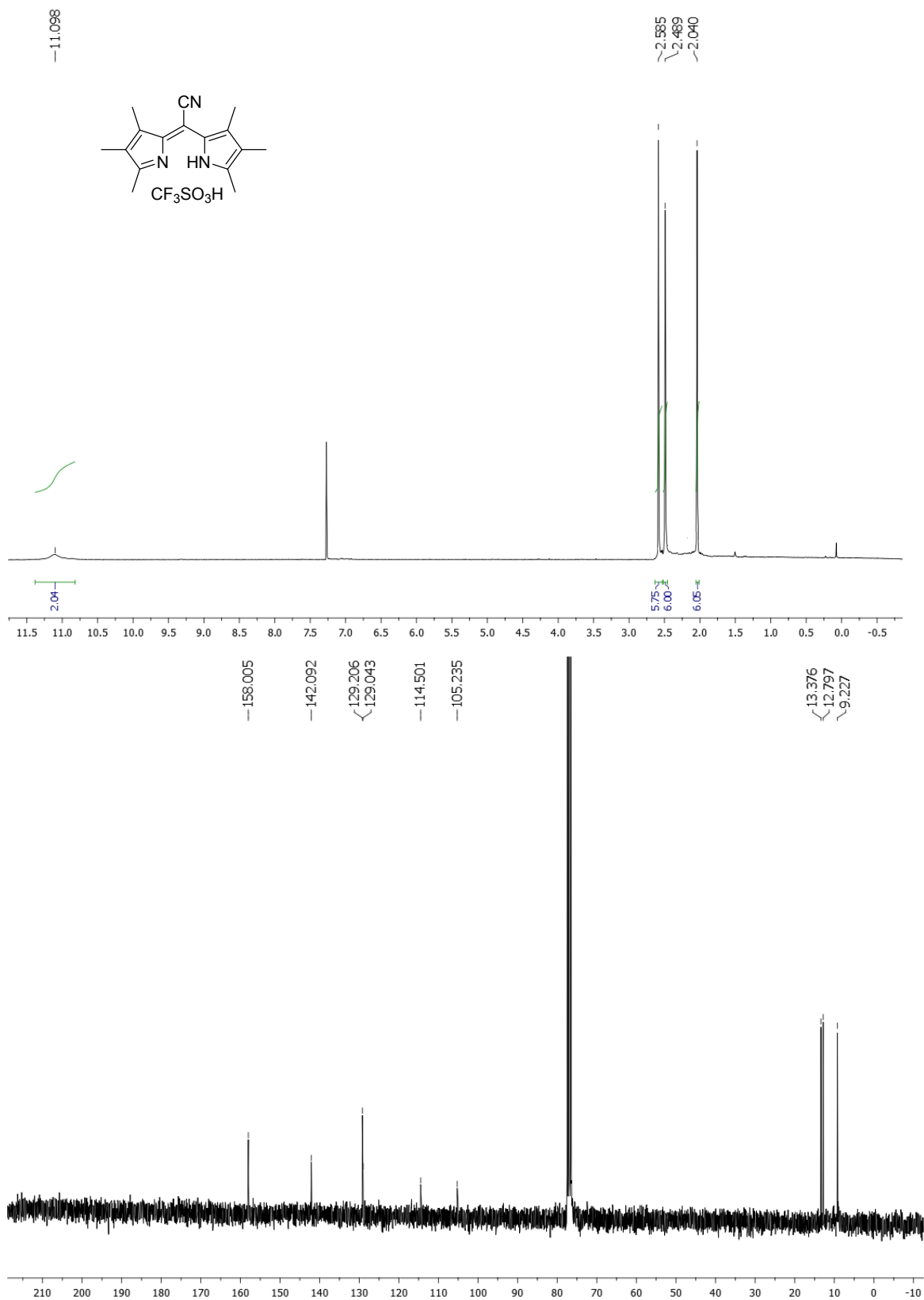


<sup>1</sup>H NMR and <sup>13</sup>C NMR spectra of **6e** and **7**

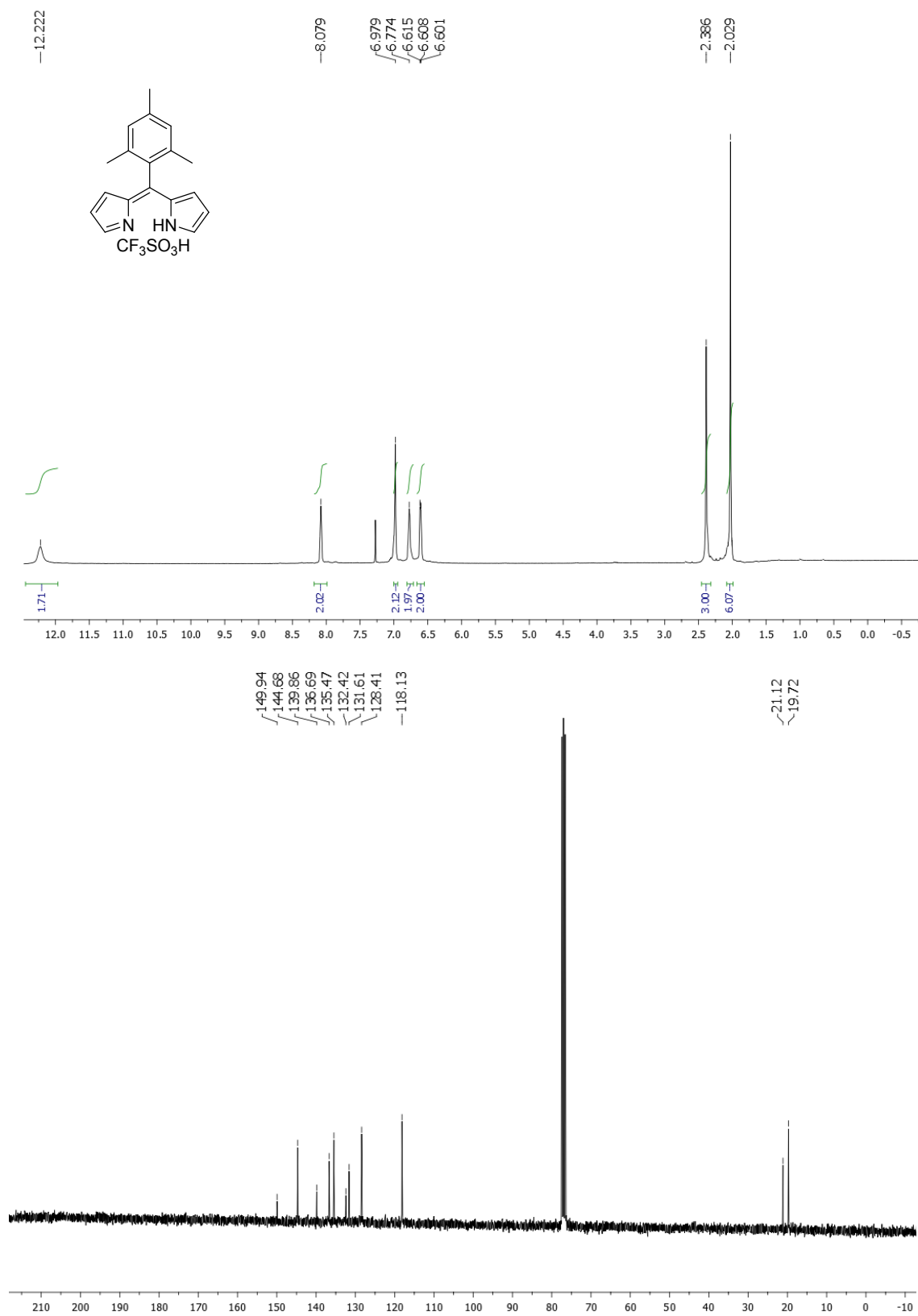




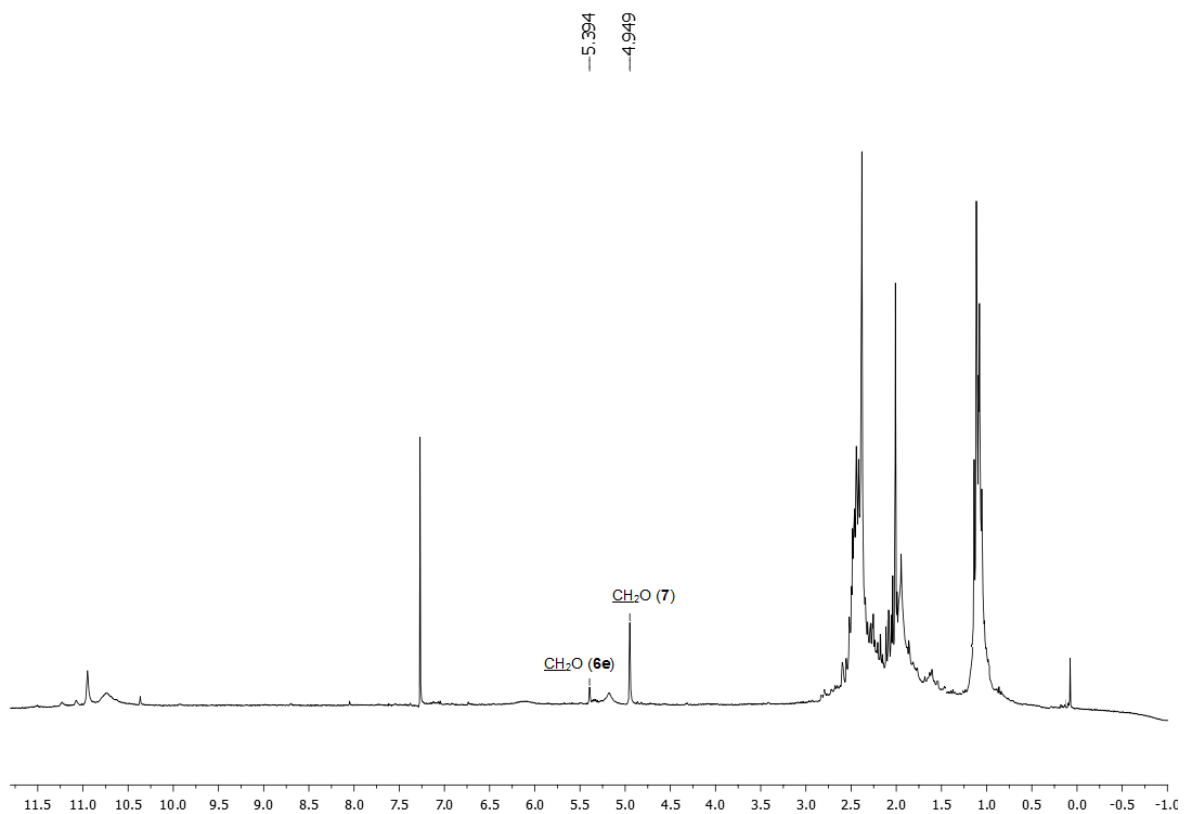
$^1\text{H}$  NMR and  $^{13}\text{C}$  NMR spectra of **6f**



<sup>1</sup>H NMR and <sup>13</sup>C NMR spectra of **6g**

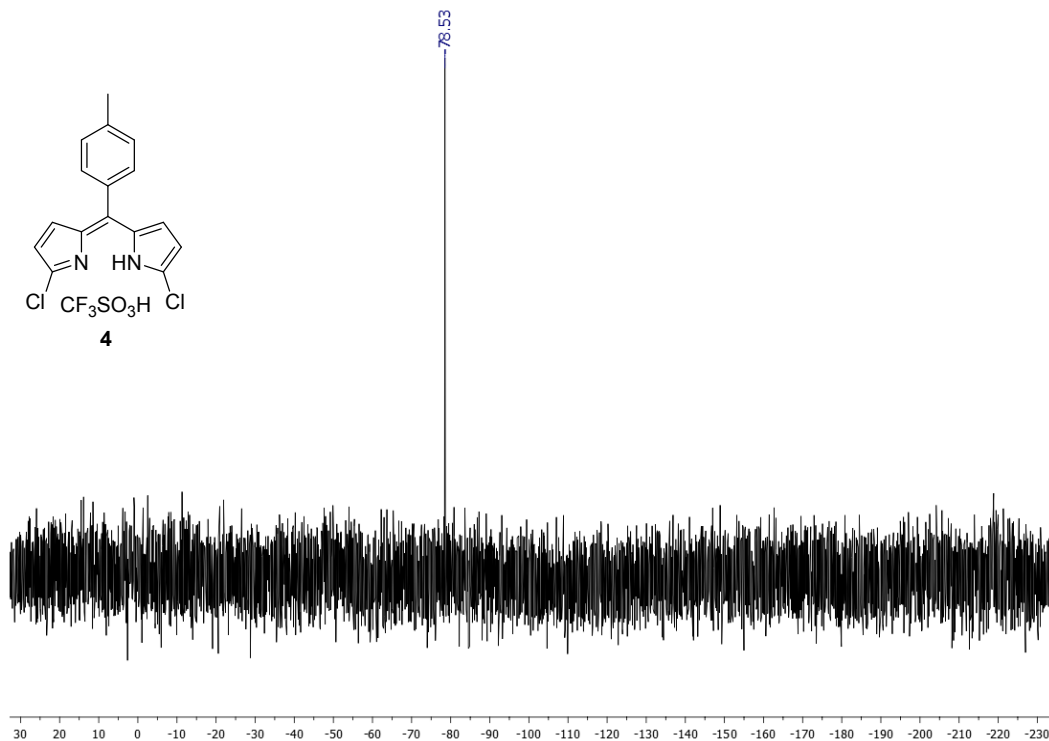
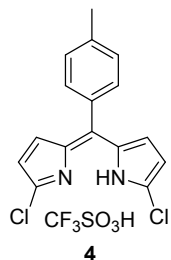


$^1\text{H}$  NMR spectrum of the complex mixture obtained when **5e** is submitted to Method C.

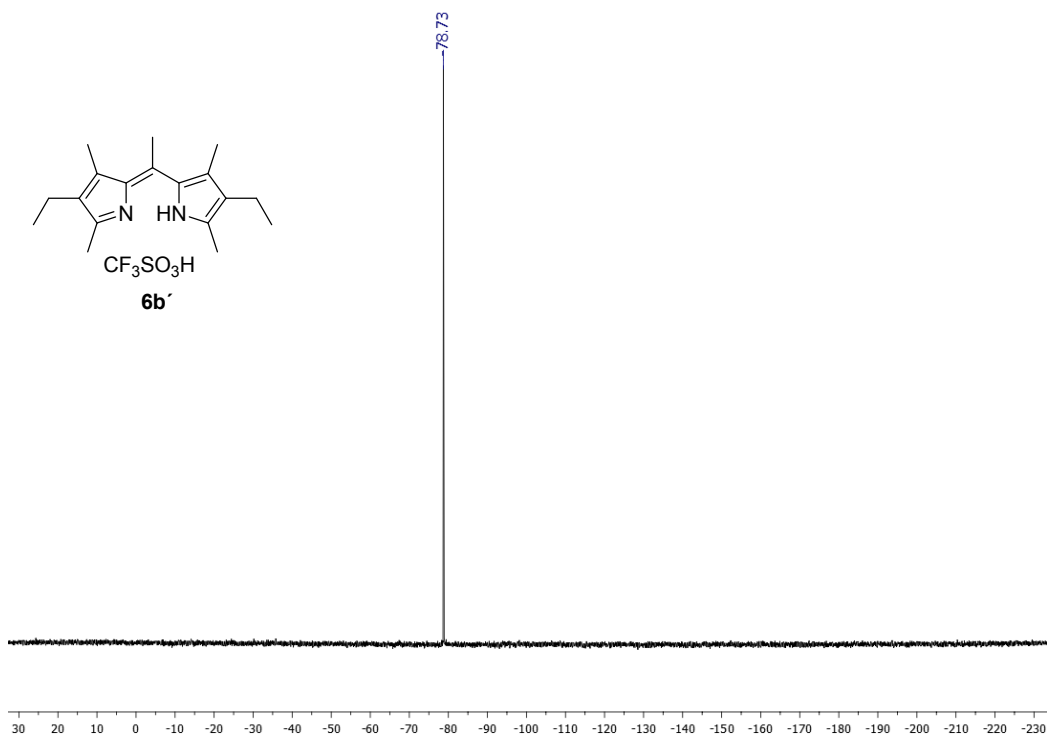
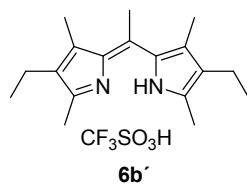


**<sup>19</sup>F NMR spectra (CDCl<sub>3</sub>, 282 MHz)**

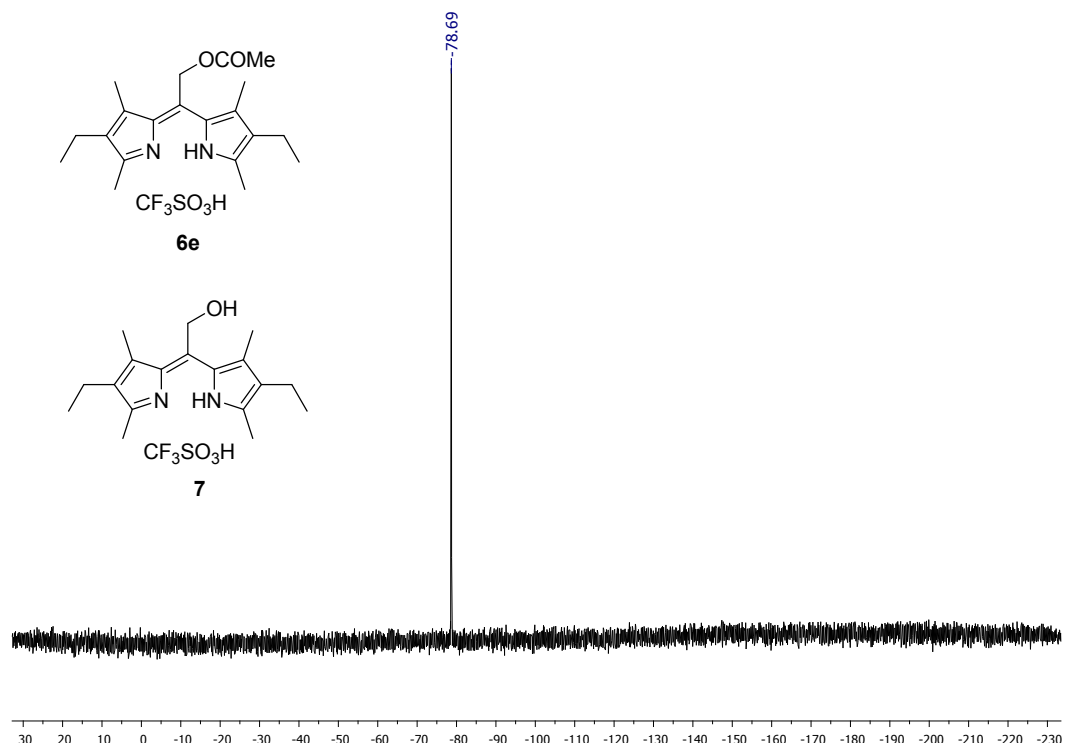
<sup>19</sup>F NMR spectrum of **4**



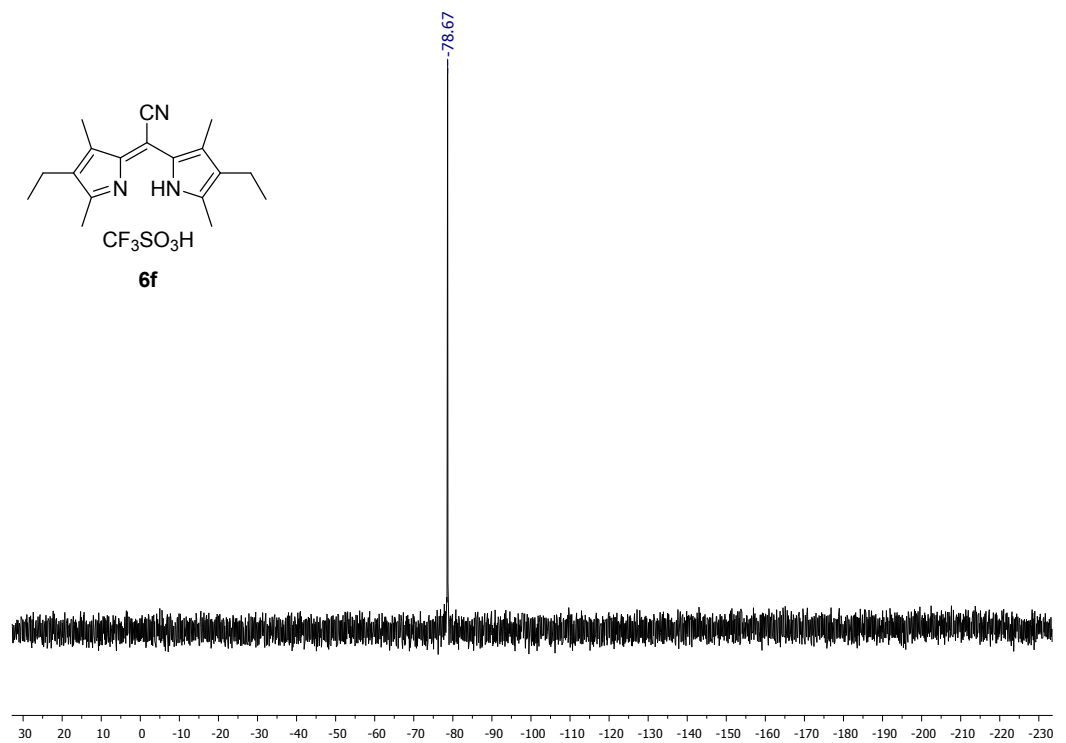
<sup>19</sup>F NMR spectrum of **6b'**



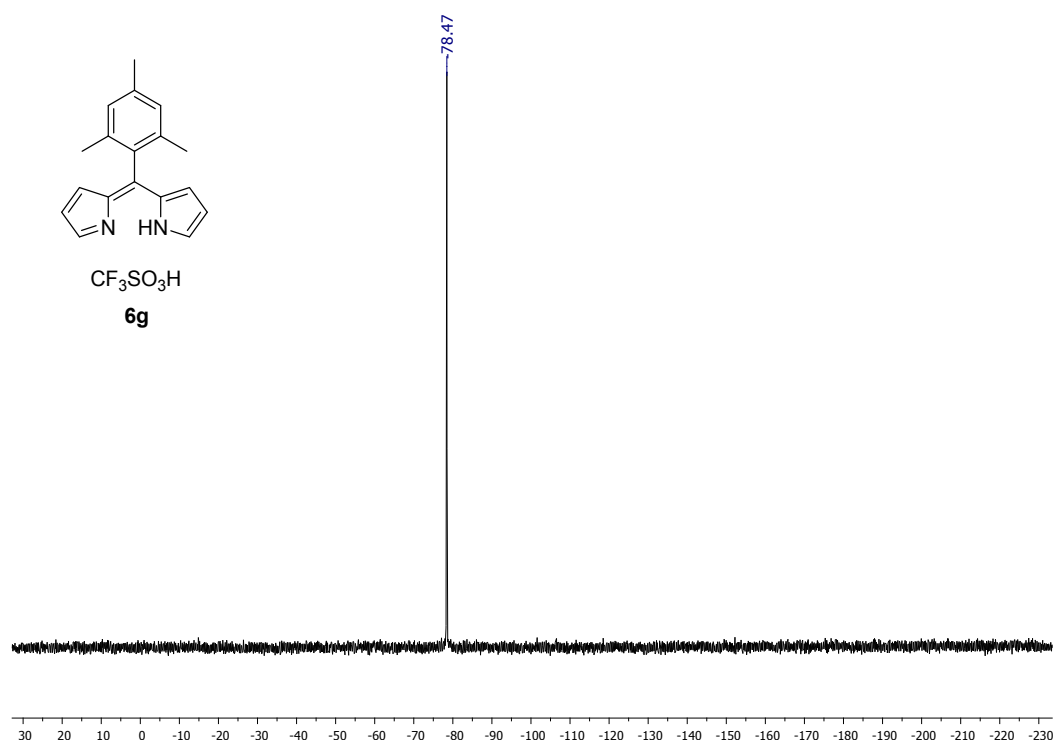
<sup>19</sup>F NMR spectrum of **6e** and **7**



<sup>19</sup>F NMR spectrum of **6f**



$^{19}\text{F}$  NMR spectrum of **6g**



$^{19}\text{F}$  NMR spectrum of *p*-trifluoromethylacetophenone (0.082 M) and **7** (0.071 M), showing the presence of a single unit of TfOH in **6g**.

