## **Supporting Information**

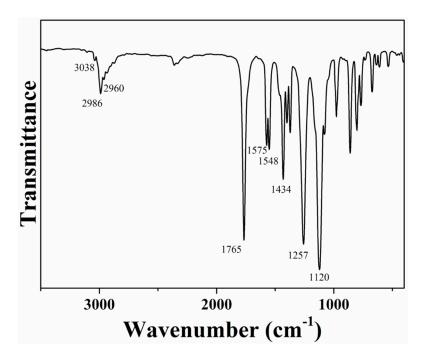


Figure S1. FT-IR spectrum of Monomer 5.

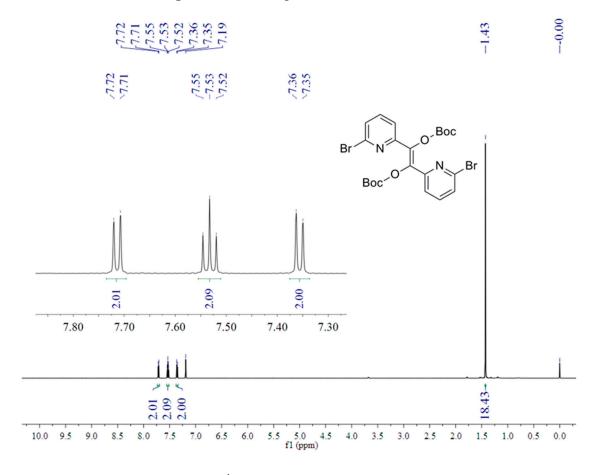
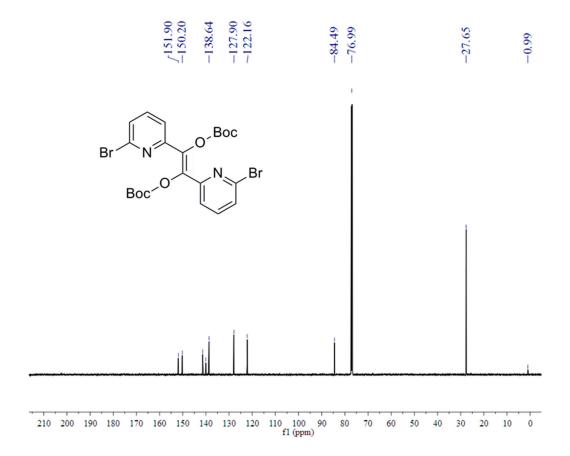
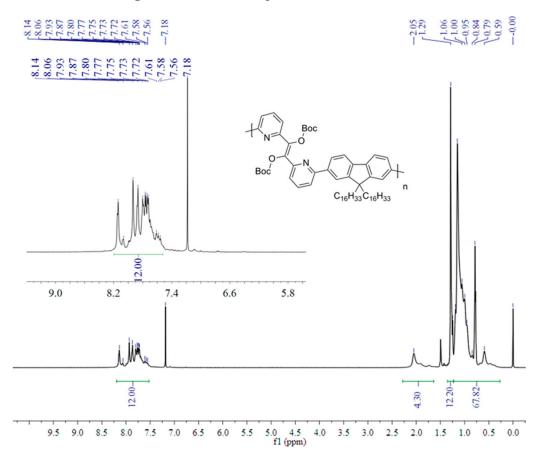


Figure S2. <sup>1</sup>H NMR spectrum of Monomer 5.

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**Figure S3.** <sup>13</sup>C NMR spectrum of Monomer **5**.



**Figure S4.** <sup>1</sup>H NMR spectrum of **Boc-poly**.

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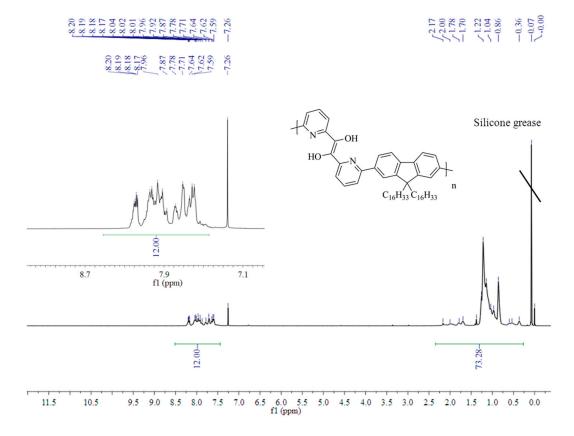


Figure S5. <sup>1</sup>H NMR spectrum of poly-1.

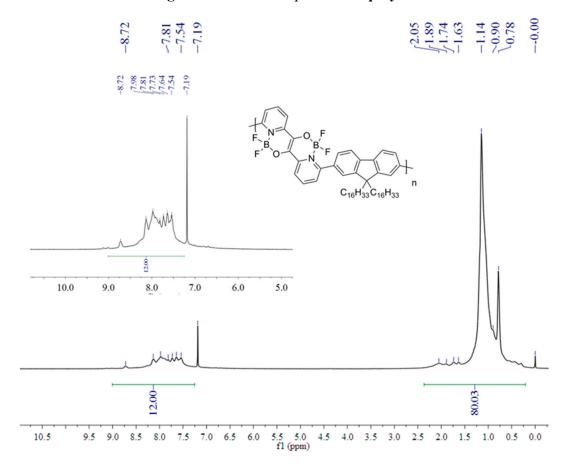


Figure S6. <sup>1</sup>H NMR spectrum of BF<sub>2</sub>-poly.

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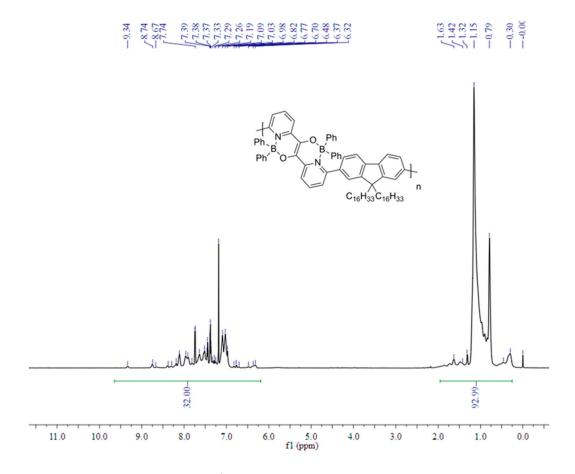


Figure S7.  $^{1}$ H NMR spectrum of BPh<sub>2</sub>-poly.

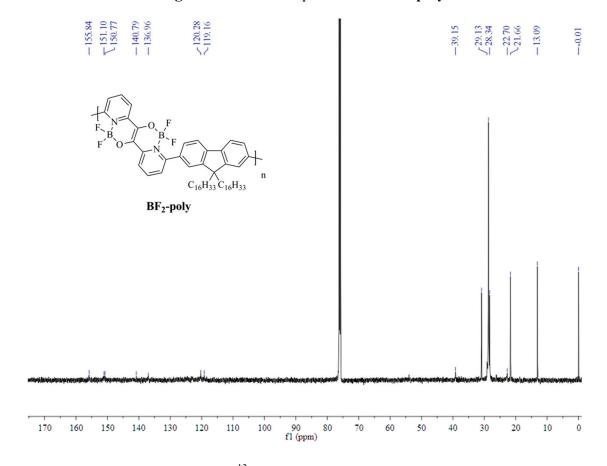


Figure S8. <sup>13</sup>C NMR spectrum of BF<sub>2</sub>-poly.

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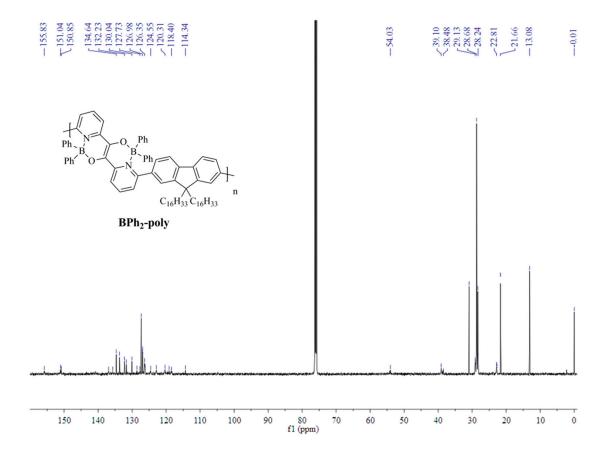


Figure S9. <sup>13</sup>C NMR spectrum of BPh<sub>2</sub>-poly.

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