

Electronic Supplementary Information

## To Achieve Better Host Material via Position Engineering at Spirobifluorene/Bicarbazole Hybrid for Electrophosphorescence

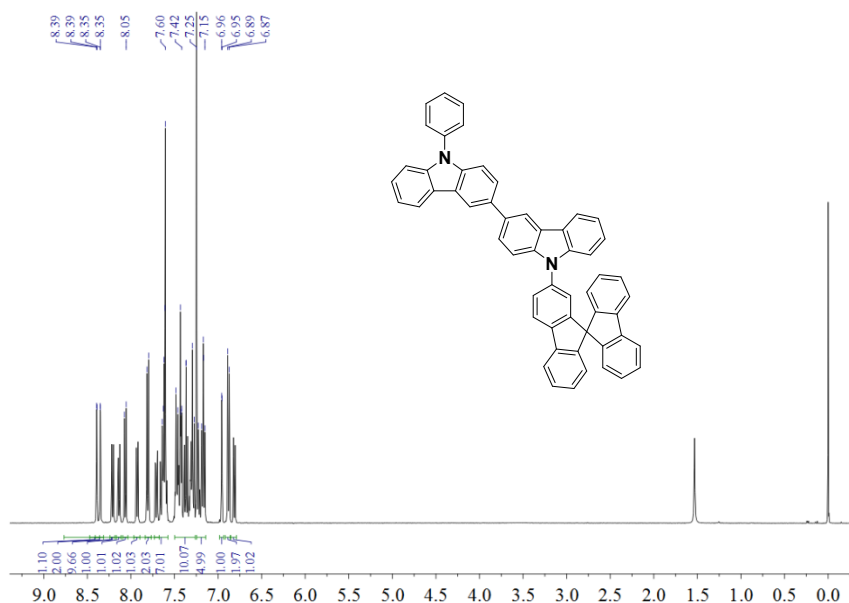
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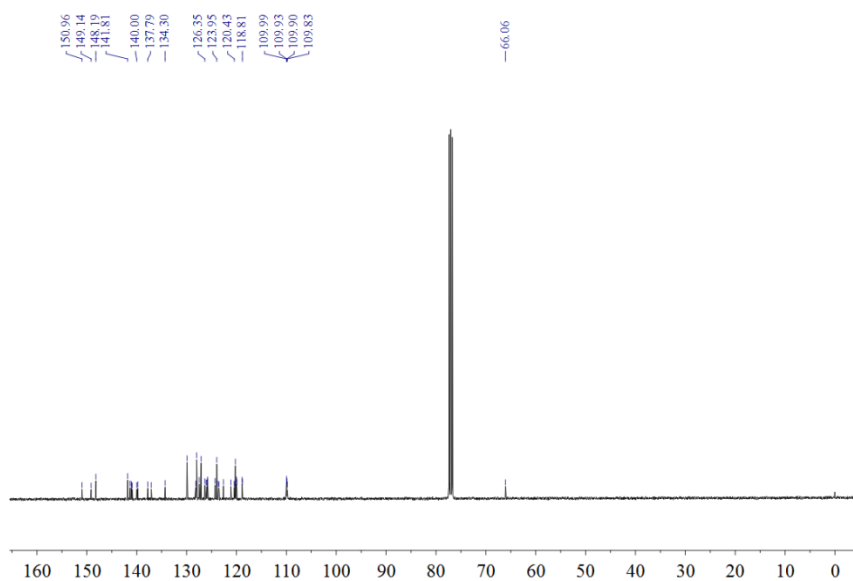
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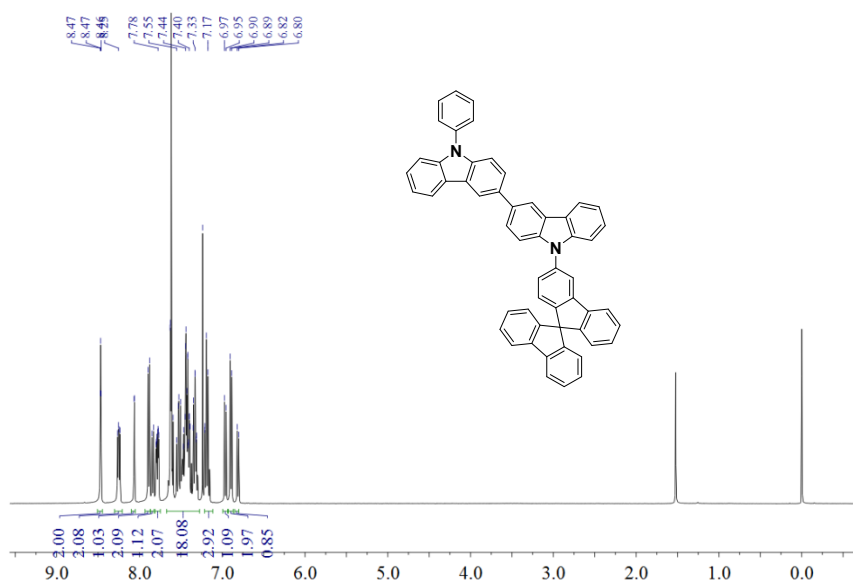
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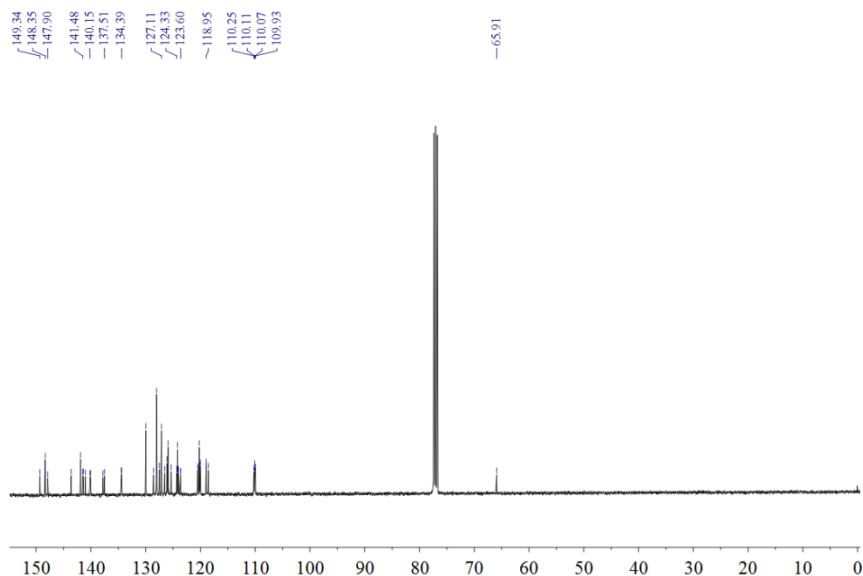
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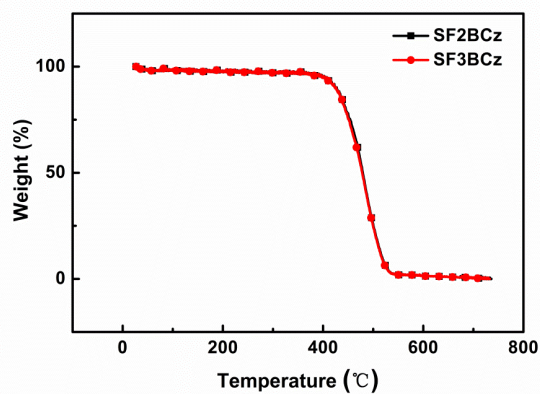


**Fig. S1.** <sup>1</sup>H NMR and <sup>13</sup>C NMR spectra of SF2BCz.

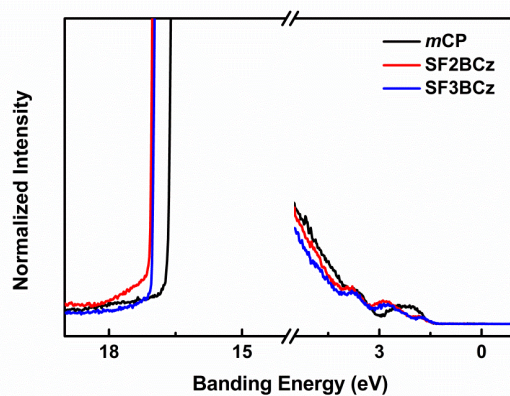




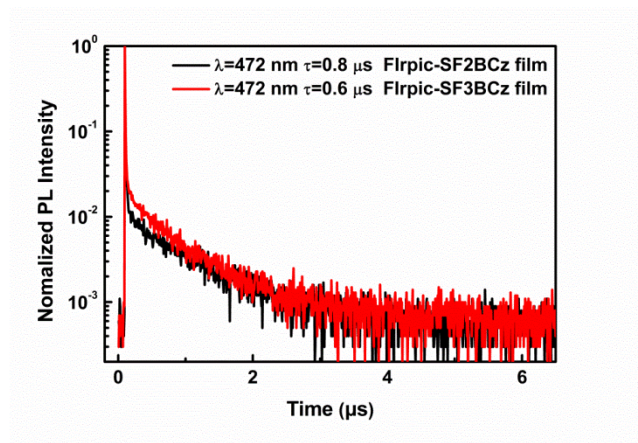
**Fig. S2.**  $^1\text{H}$  NMR and  $^{13}\text{C}$  NMR spectra of SF3BCz.



**Fig. S3.** The TGA of SF2BCz and SF3BCz.



**Fig. S4.** The UPS spectrum of SF2BCz and SF3BCz thin film prepared by thermal evaporation.



**Fig. S5.** Transient photoluminescence decay curves (excited at 370 nm) at room temperature at 472 nm for the Flrpic co-deposited with SF2BCz and SF3BCz.