Electronic Supplementary Material (ESI) for Journal of Materials Chemistry


# Supporting Information

## New Host Material with Sulfur for Blue Phosphorescent Organic Light Emitting Diodes

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## Thermal Properties

The thermal behavior of B2tCz and DB2tCz was evaluated by means of differential scanning calorimetry (DSC).

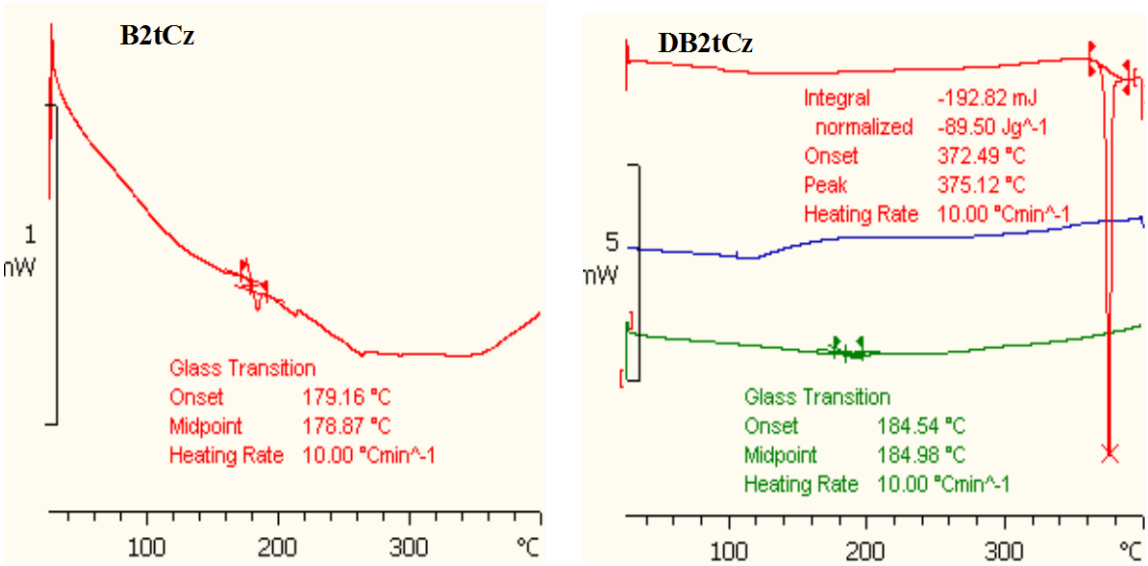



**Figure S1**. DSC of B2tCz and DB2tCz

## Mass data

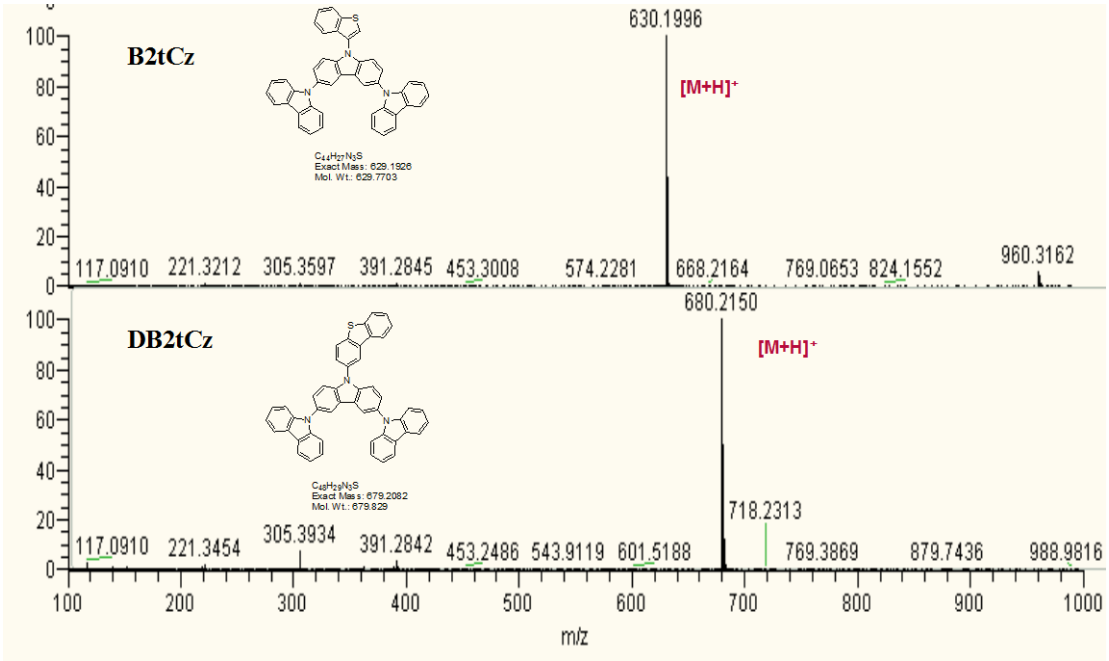
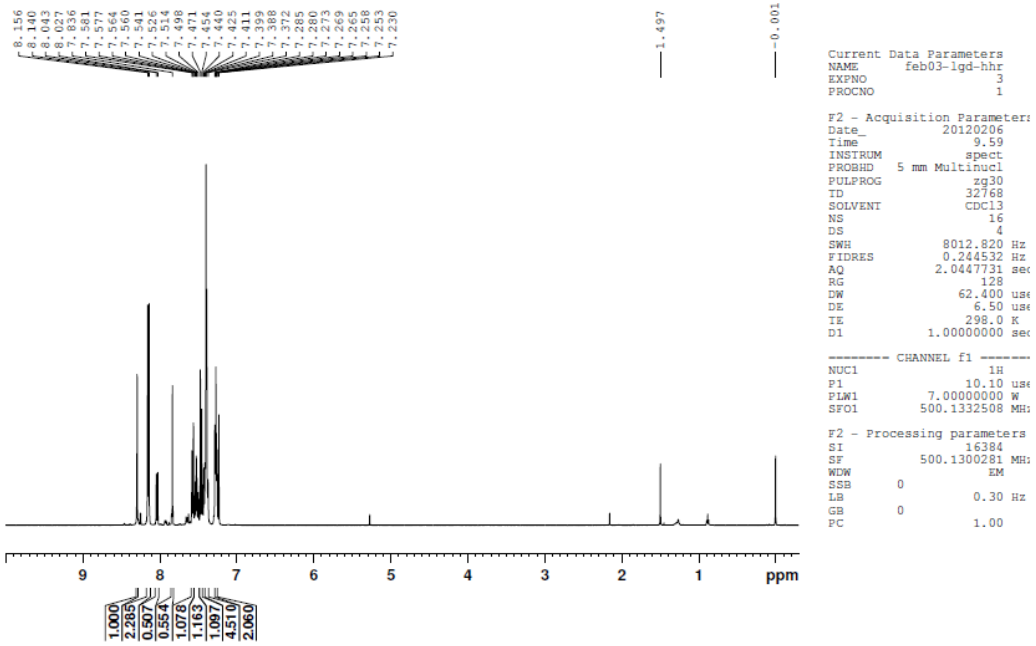



**Figure S2**. Mass spectra of B2tCz and DB2tCz.

**$^{1}$HNMR**




**$^{13}$CNMR**

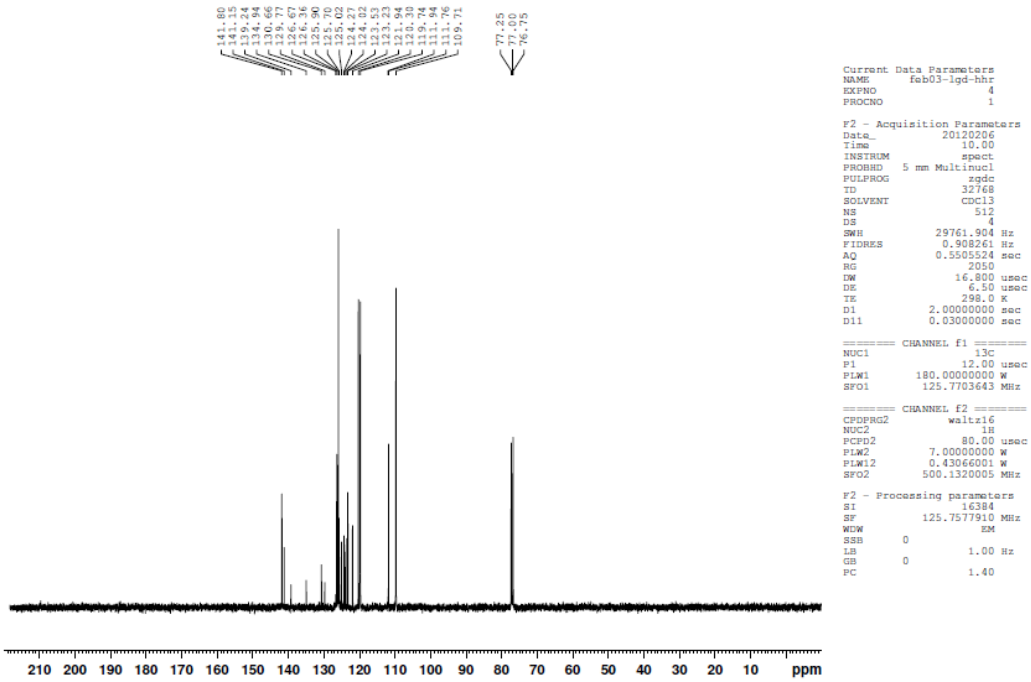
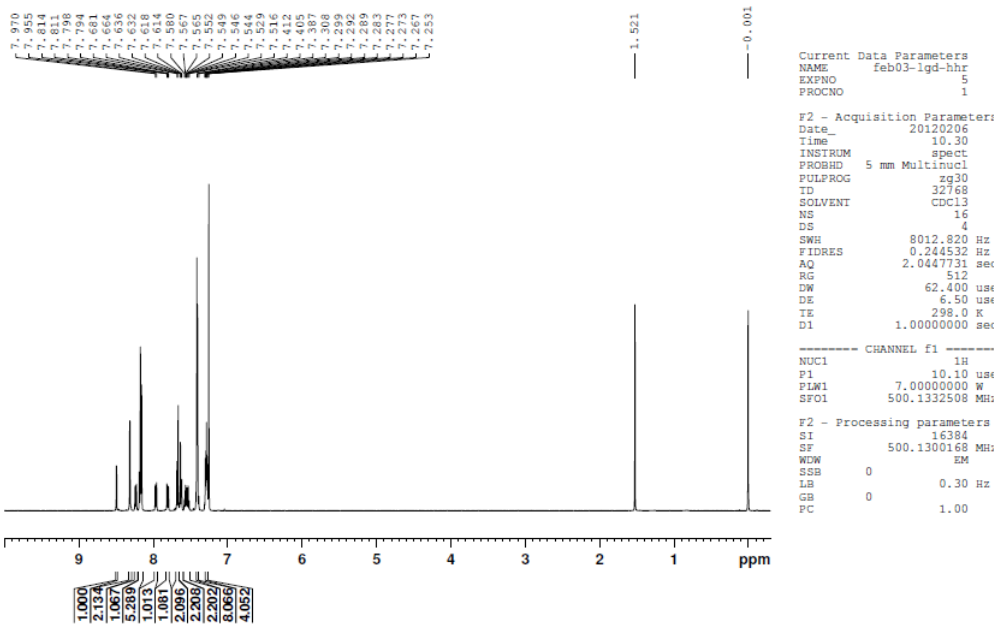



**Figure S3**. $^{1}$H NMR and $^{13}$C NMR spectra of B2tCz.

**$^{1}$HNMR**




**$^{13}$CNMR**

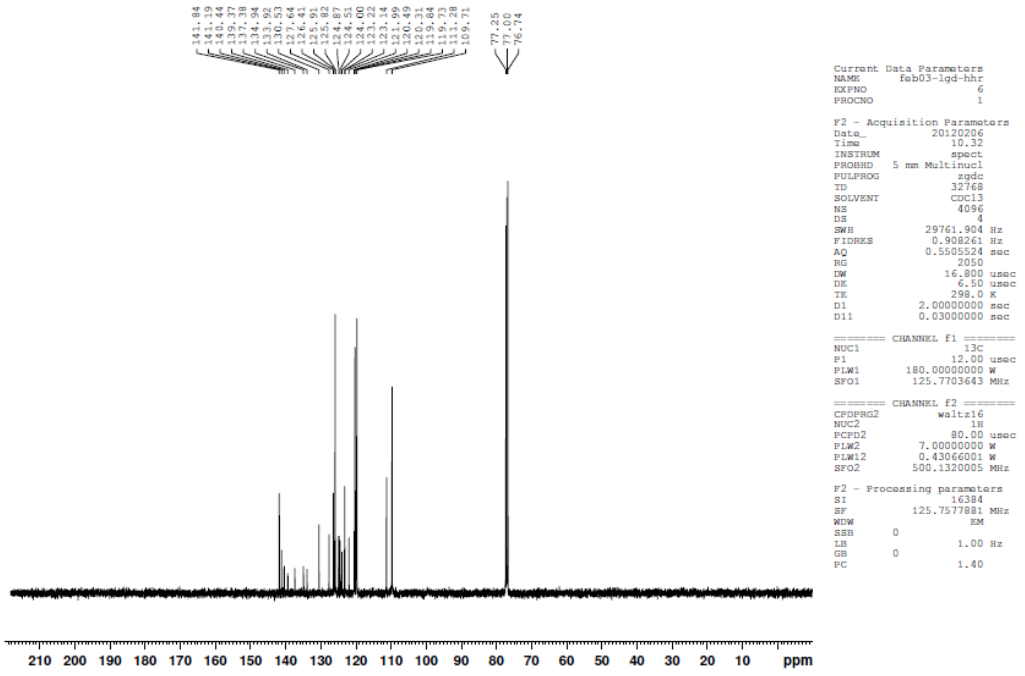



**Figure S4**. $^{1}$H NMR and $^{13}$C NMR spectra of DB2tCz.

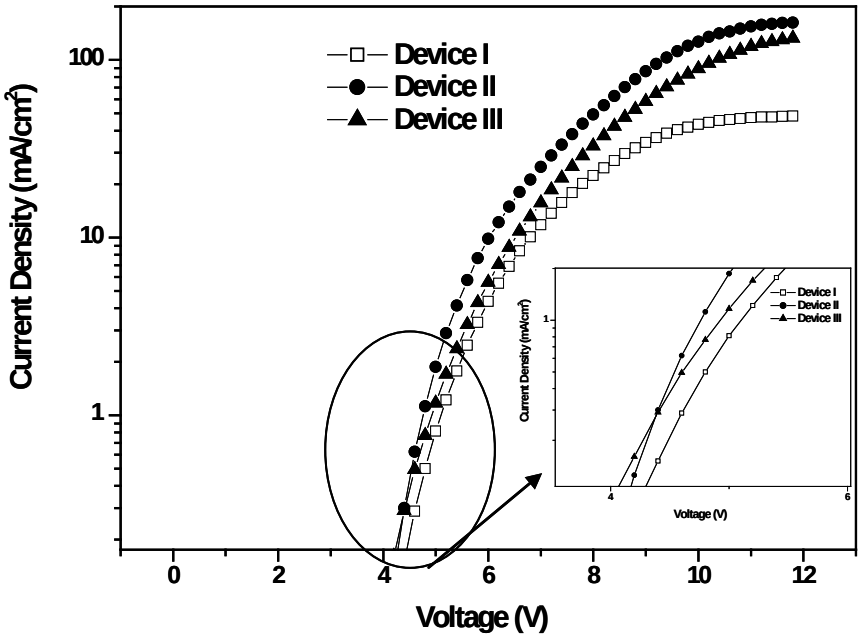



**Figure S4**. J-V Curve of Devices I, II, and III.