

Supporting Information

Regioisomeric Effects of Dibenzofuran on the Properties of Boron-Nitrogen Multiple Resonance Emissive Materials

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1. Supplementary figures and tables

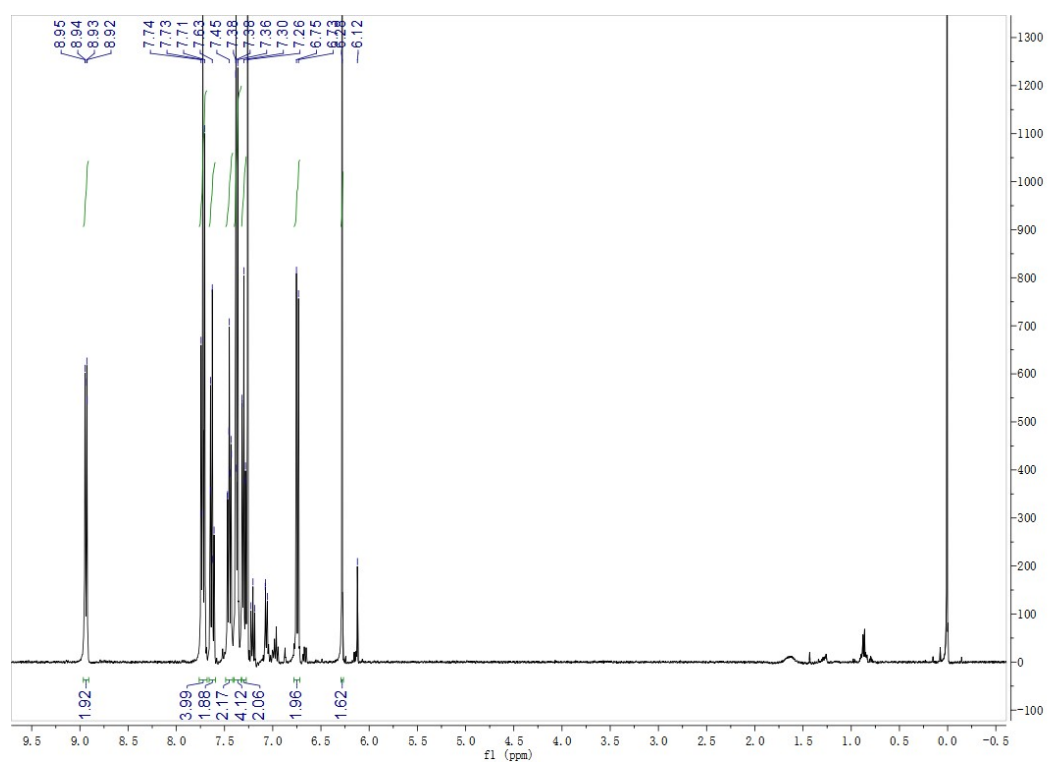


Figure S1. ^1H NMR spectra of DABNA-Cl in CDCl_3 .

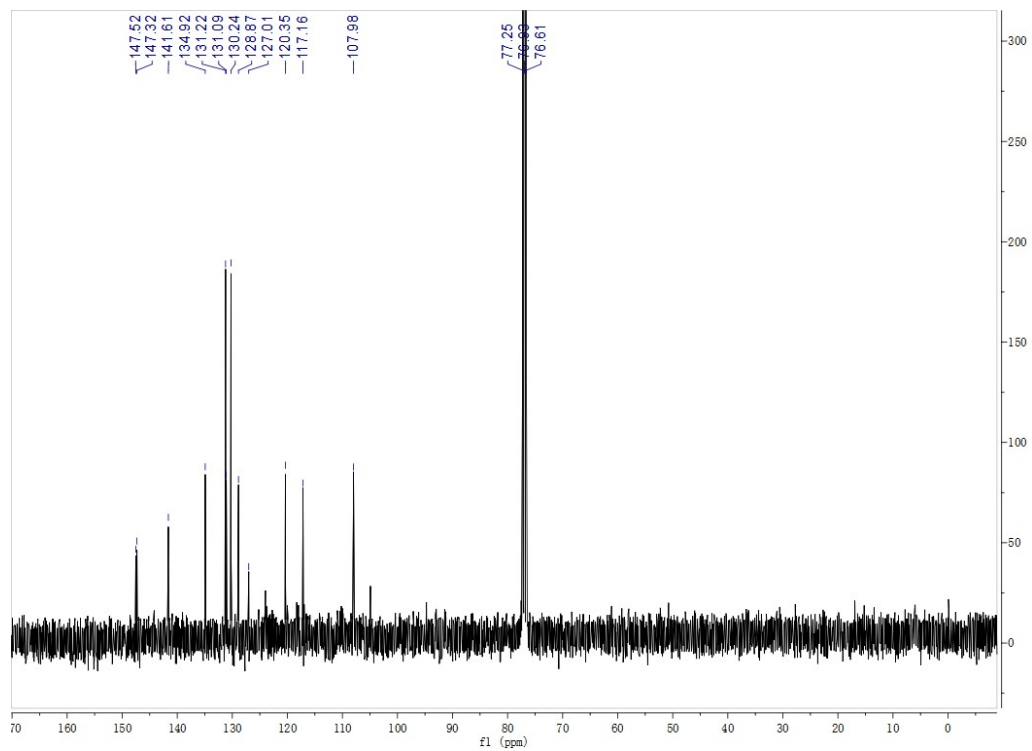


Figure S2 ^{13}C NMR spectra of DABNA-Cl in CDCl_3 .

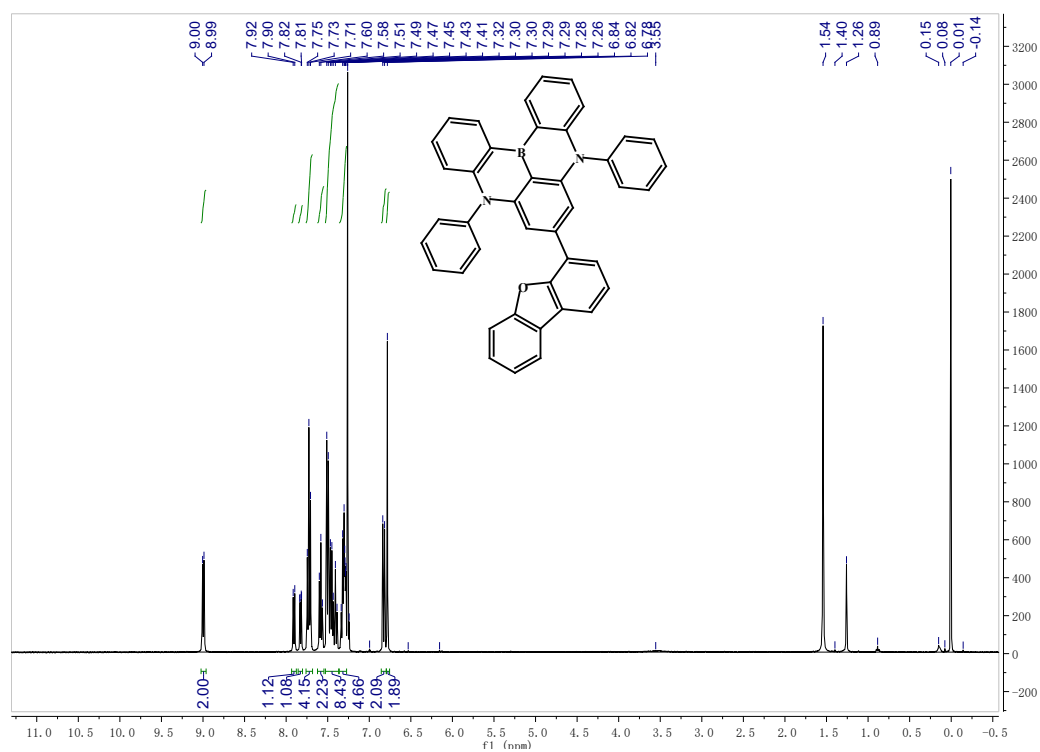


Figure S3 ^1H NMR spectra of DABNA-4-DBF in CDCl_3 .

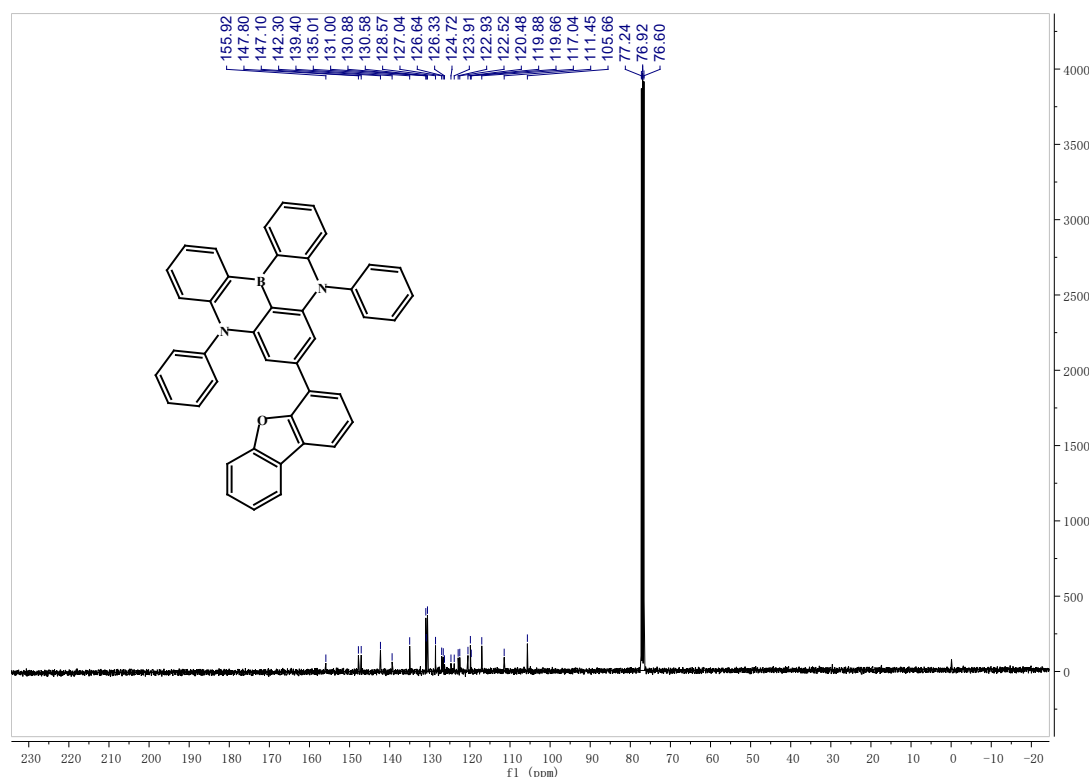


Figure S4 ^{13}C NMR spectra of DABNA-4-DBF in CDCl_3 .

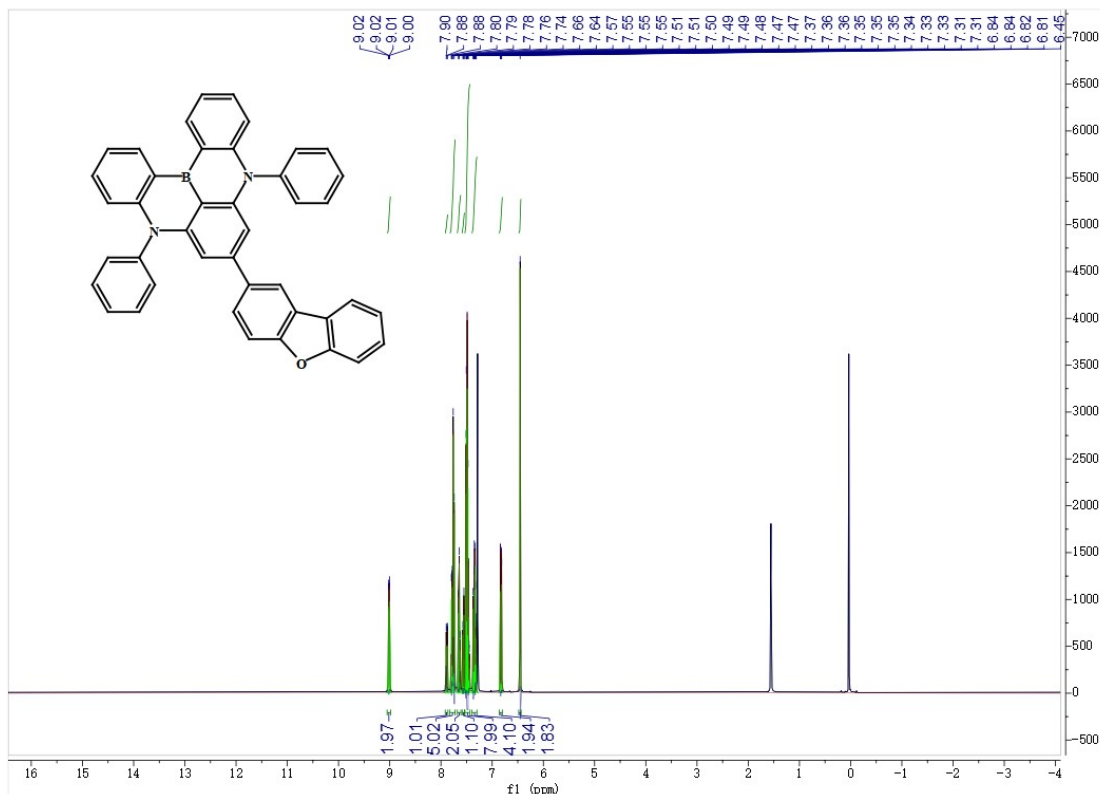


Figure S7 ^1H NMR spectra of DABNA-2-DBF in CDCl_3 .

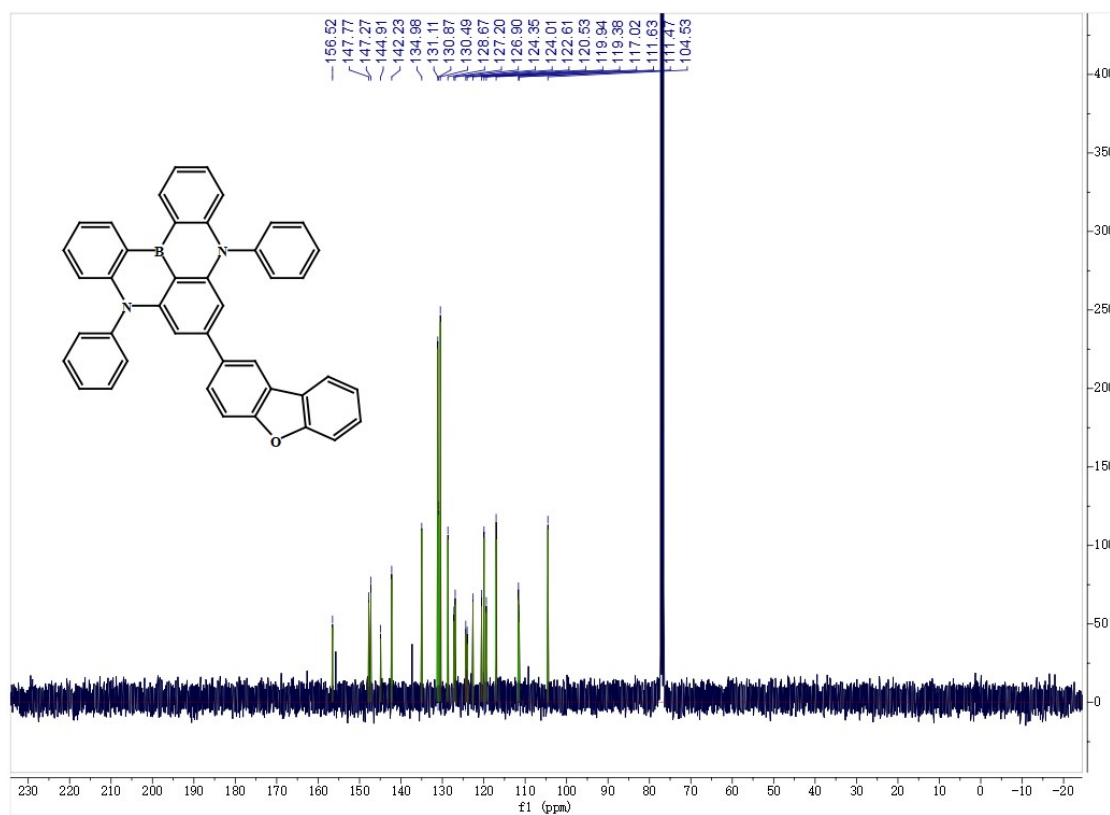


Figure S8 ^{13}C NMR spectra of DABNA-2-DBF in CDCl_3 .

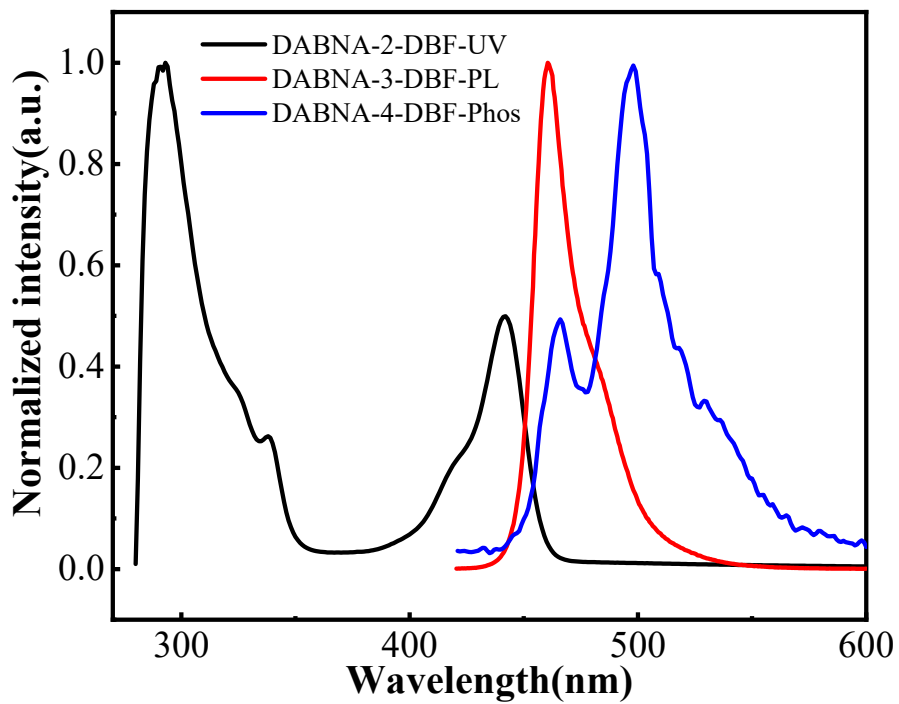


Figure S9 a) The normalized UV-vis absorption (measures at 300 K) in diluted toluene solution. b) The normalized PL (measures at 300 K) in toluene. c) The normalized Phosphorescence (measures at 77K) 3% doped in m-CBP for DABNA-2-DBF

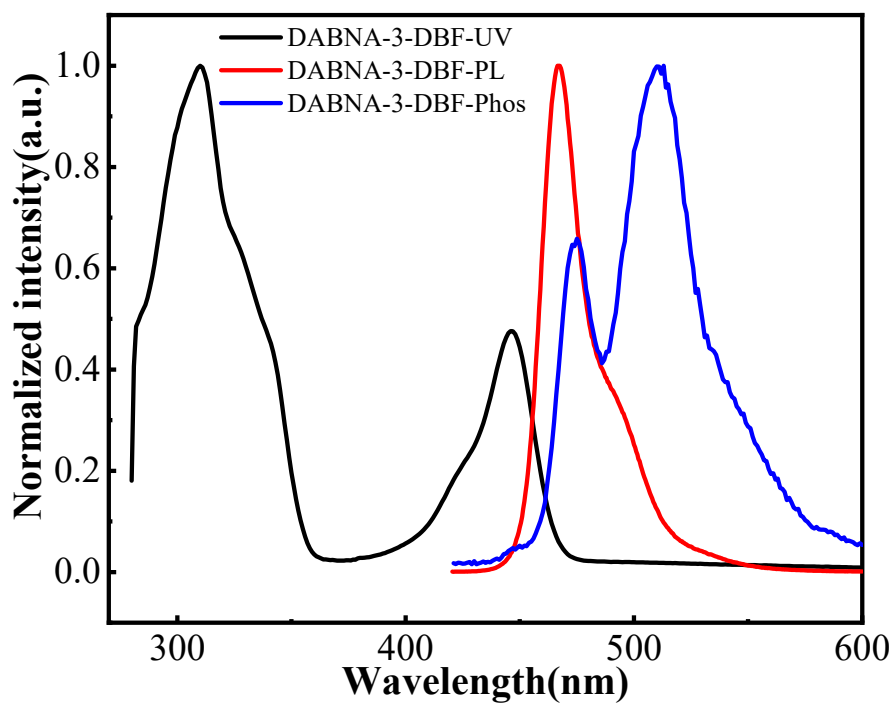


Figure S10 a) The normalized UV-vis absorption (measures at 300 K) in diluted toluene solution. b) The normalized PL (measures at 300 K) in toluene. c) The normalized Phosphorescence (measures at 77K) 3% doped in m-CBP for DABNA-3-DBF

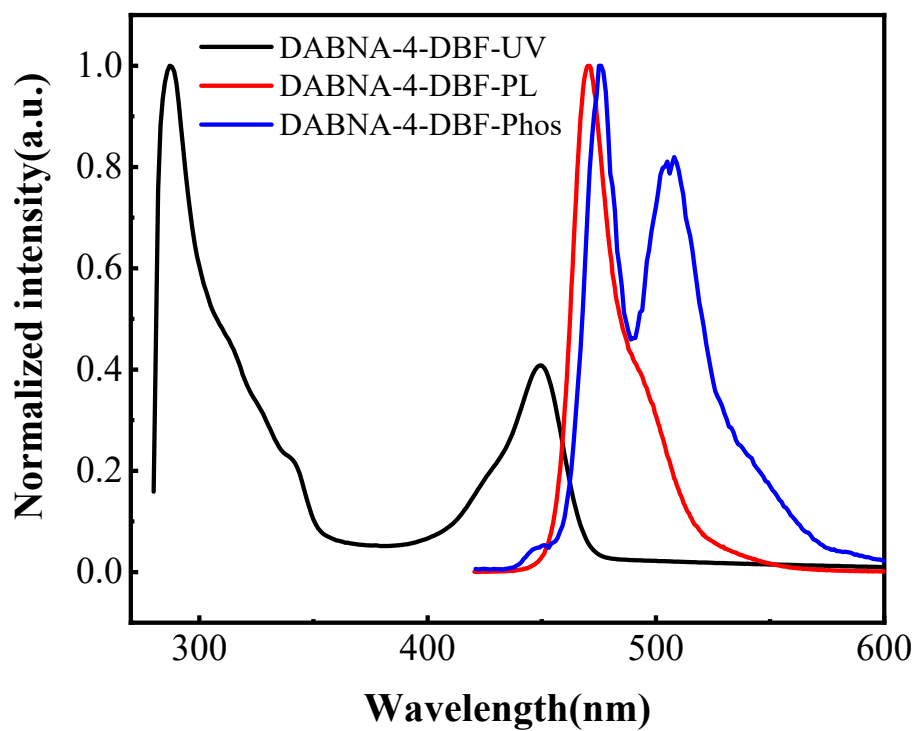


Figure S11 a) The normalized UV-vis absorption (measures at 300 K) in diluted toluene solution. b) The normalized PL (measures at 300 K) in toluene. c) The normalized Phosphorescence (measures at 77K) 3% doped in m-CBP for DABNA-4-DBF

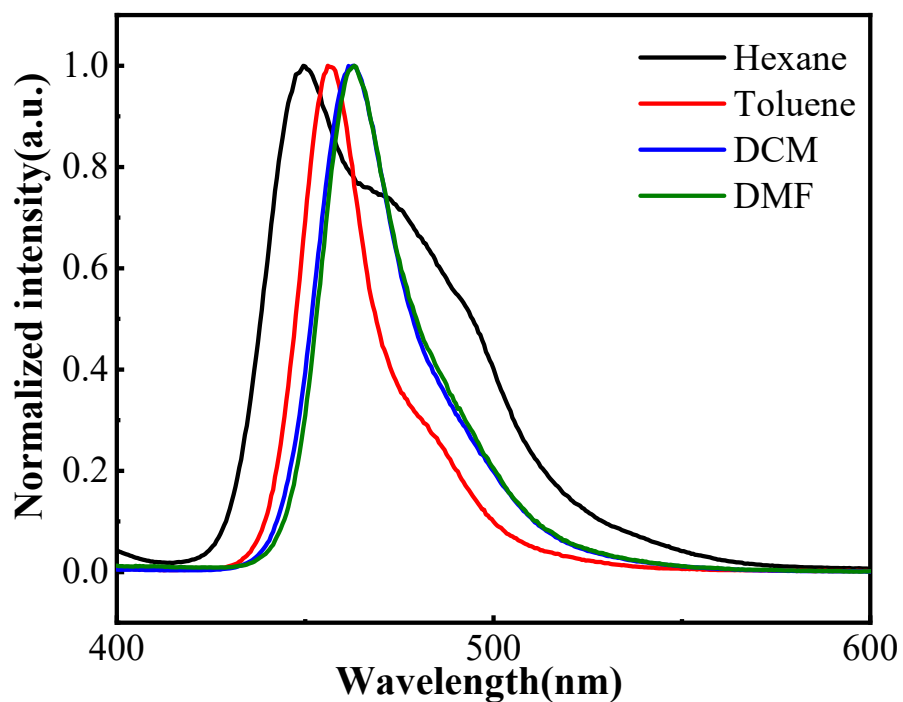


Figure S12 The normalized PL of DABNA-2-DBF (measures at 300 K) in a) hexane. b) toluene. c) *dichloromethane (DCM)* and d) dimethyl formamide (DMF)

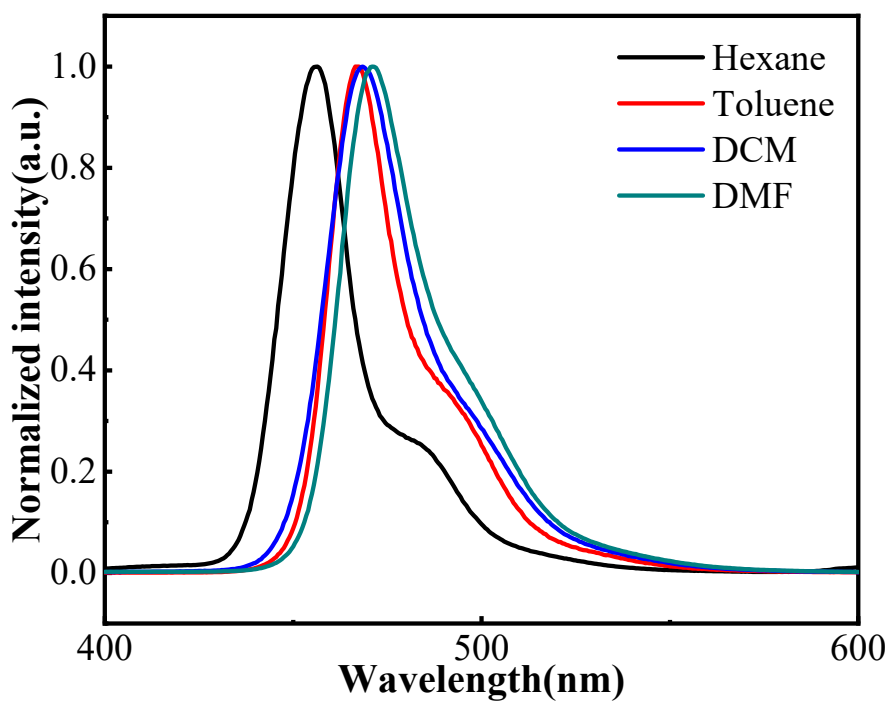


Figure S13 The normalized PL of DABNA-3-DBF (measures at 300 K) in a) hexane. b) toluene. c) *dichloromethane (DCM)* and d) dimethyl formamide (DMF)

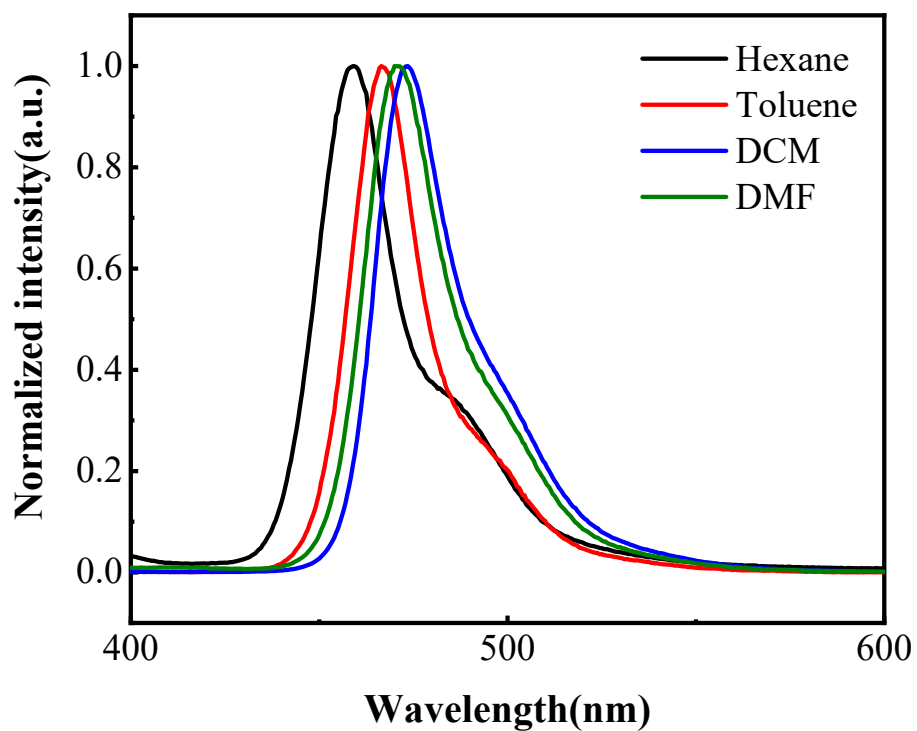


Figure S14 The normalized PL of DABNA-4-DBF (measures at 300 K) in a) hexane. b) toluene. c) *dichloromethane (DCM)* and d) dimethyl formamide (DMF)

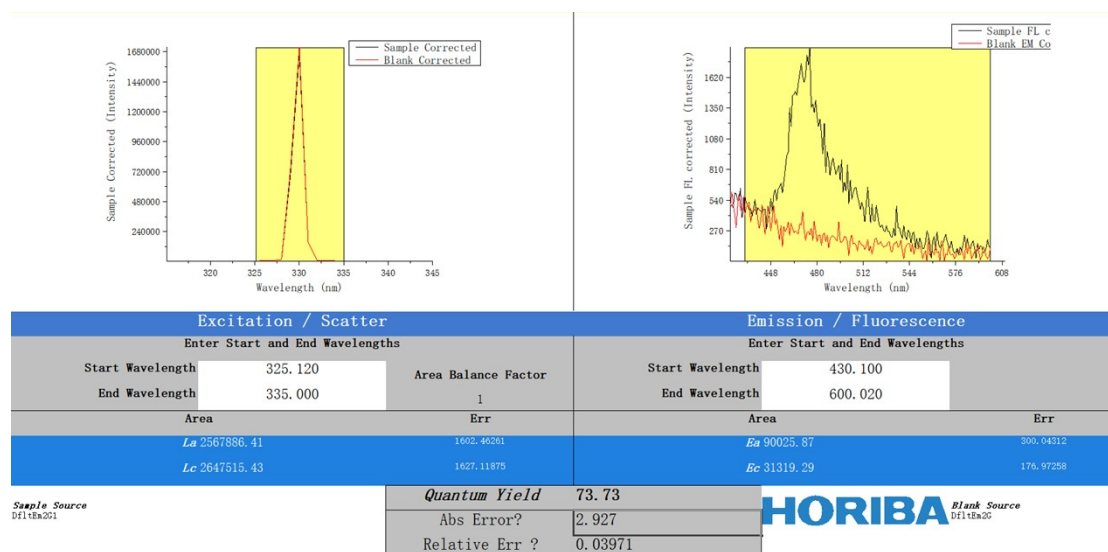


Figure S15 The photoluminescence quantum yields (PLQY) for DABNA-2-DBF

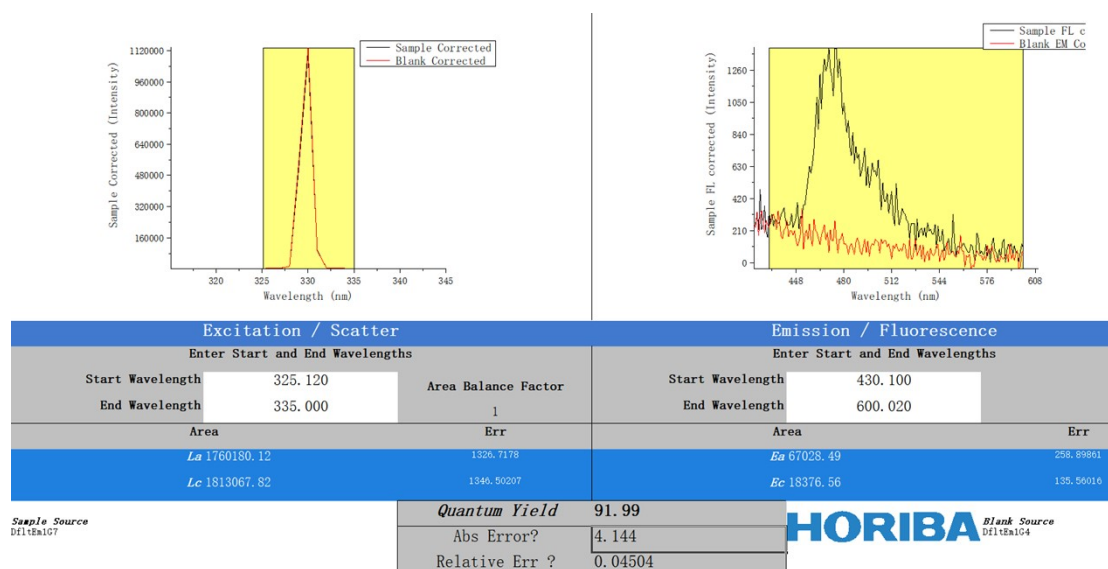


Figure S16 The photoluminescence quantum yields (PLQY) for DABNA-3-DBF

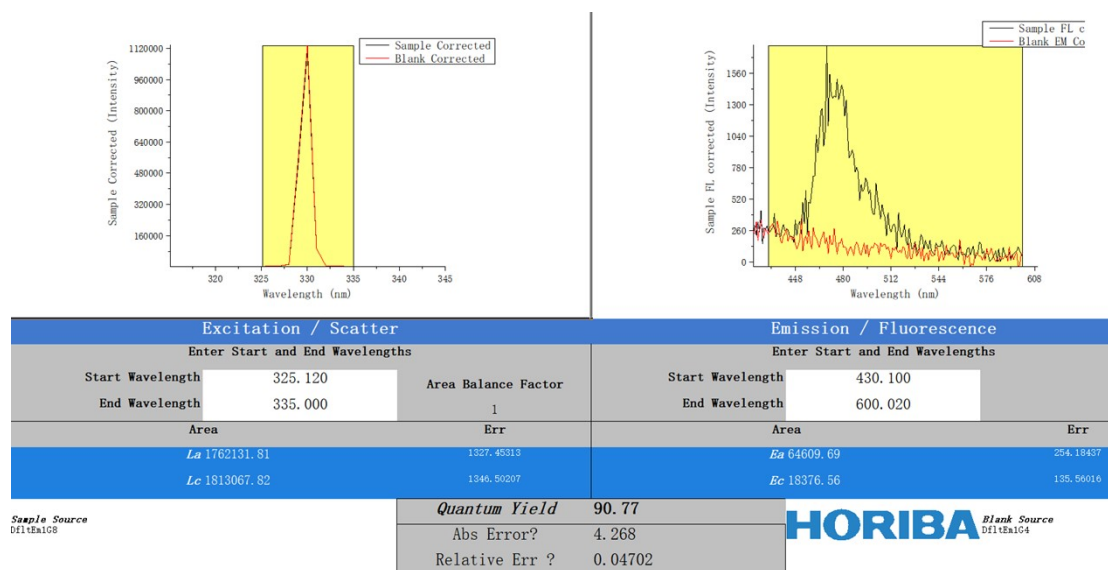


Figure S17 The photoluminescence quantum yields (PLQY) for DABNA-4-DBF

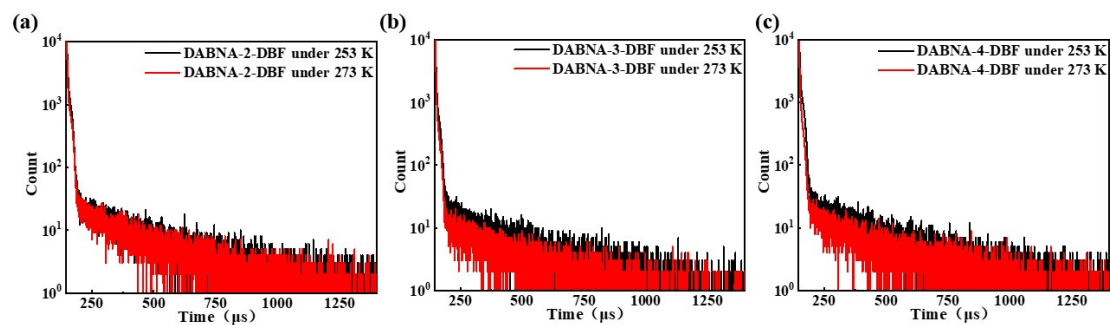


Figure S18 Temperature dependent transient delay curves of (a) DABNA-2-DBF (b) DABNA-3-DBF and (c) DABNA-4-DBF.