

Fig. S1. Transient absorption spectra of C_{60} (1×10^{-4} mol dm^{-3}) in the presence of BAMH (4×10^{-4} mol dm^{-3}) in the benzonitrile.

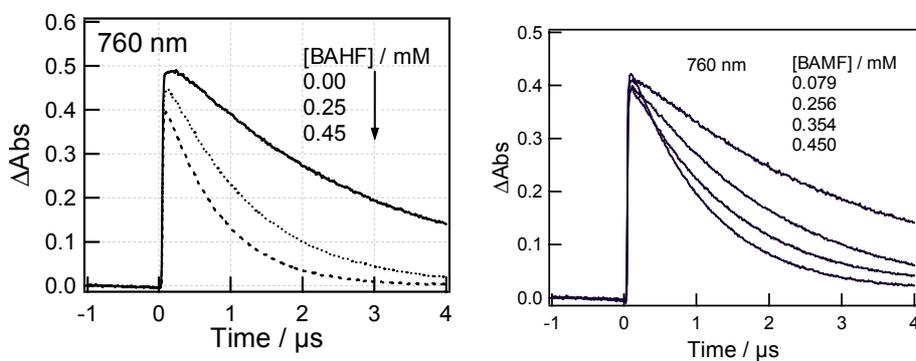


Fig. S2. Decay rates of ${}^3C_{60}^*$ at 760 nm with increasing [BAHF] (left) and [BAMF] (right) in BN.

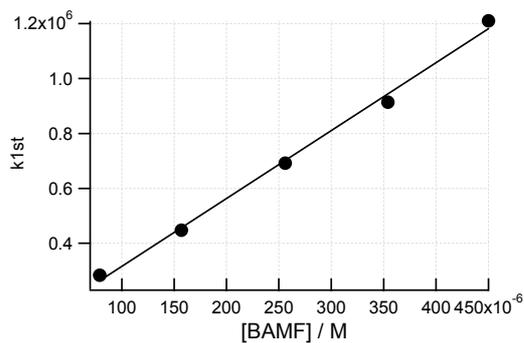


Fig. S3. Plot of k_{1st} vs. $[BAMF]$ for C_{60} /BAMF mixture in benzonitrile.

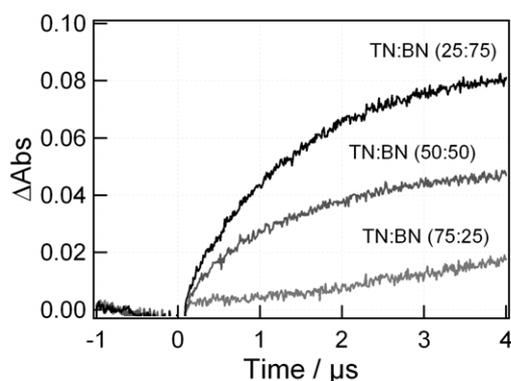


Fig. S4. Time profiles of C_{60} ($1 \times 10^{-4} \text{ mol dm}^{-3}$) in the presence of BAMH ($3 \times 10^{-4} \text{ mol dm}^{-3}$) in mixture solvents

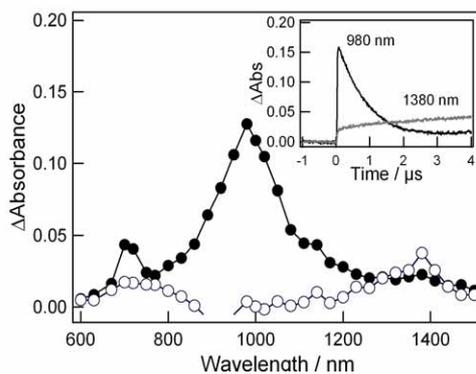


Fig. S5. Transient absorption spectra of C_{70} ($1 \times 10^{-4} \text{ mol dm}^{-3}$) in the presence of BAMF ($4 \times 10^{-4} \text{ mol dm}^{-3}$) in the benzonitrile.

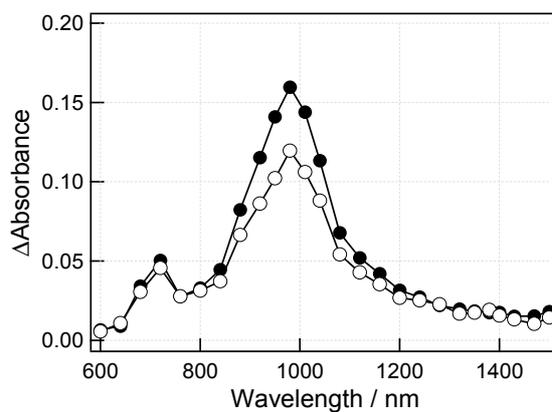


Fig. S6. Transient spectra of C₇₀ (1×10^{-4} mol dm⁻³) in the presence of BAFF (4×10^{-4} mol dm⁻³) in BN. Ex = 532 nm

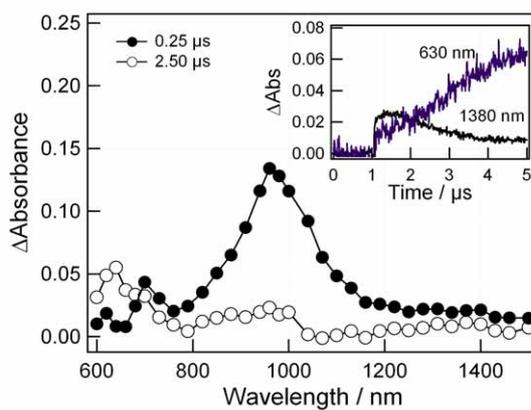


Fig. S7. Transient spectra of C₇₀ (1×10^{-4} mol dm⁻³) / BAHF (3×10^{-4} mol dm⁻³) / OV²⁺ in benzonitrile.