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## **Supporting Information**

## **Manipulation Fullerene Superstructures by Complexing with Polycyclic Aromatic Compounds**

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## **Additional Experimental Data**

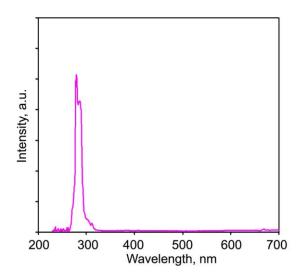


Figure S1. UV-vis spectrum of naphthalene in toluene.

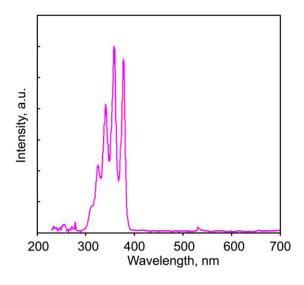
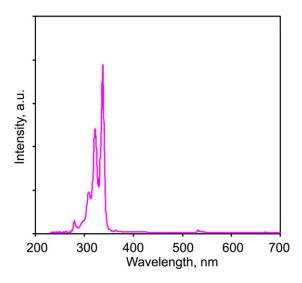


Figure S2. UV-vis spectrum of anthracene in toluene.



**Figure S3.** UV-vis spectrum of pyrene in toluene.

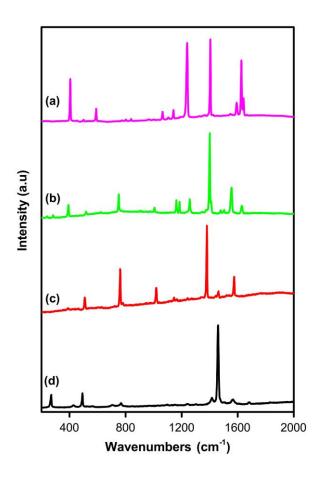
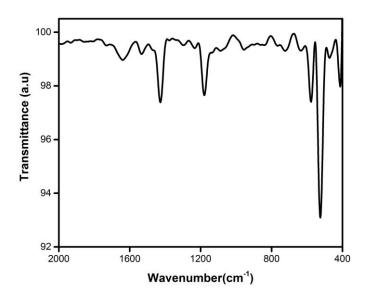
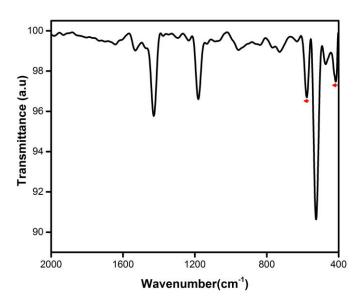


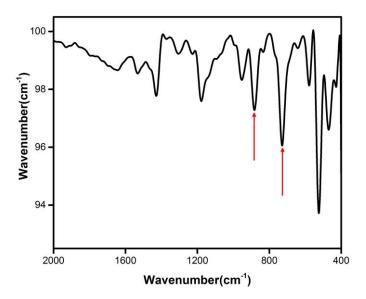
Figure S4. Raman spectra of (a) pyrene, (b) anthracene, (c) naphthalene and (d) fullerene C<sub>60</sub>.



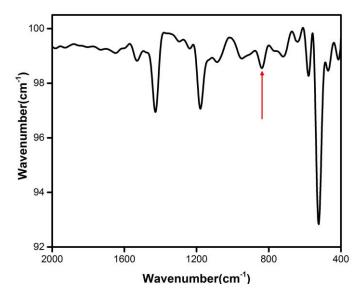
**Figure S5.** FTIR spectrum of C<sub>60</sub>NWs.



**Figure S6.** FTIR spectrum of naphthalene-C<sub>60</sub>NWs. The red marks indicate the characteristic peaks from naphthalene.



**Figure S7.** FTIR spectrum of anthracene- $C_{60}NWs$ . The red marks indicate the characteristic peaks from anthracene.



**Figure S8.** FTIR spectrum of pyrene-C<sub>60</sub>NWs. The red marks indicate the characteristic peaks from pyrene.