Supporting Information

Facile 3D Boron Nitride Integrated Electrospun Nanofibrous Membranes for Purging Organic Pollutants

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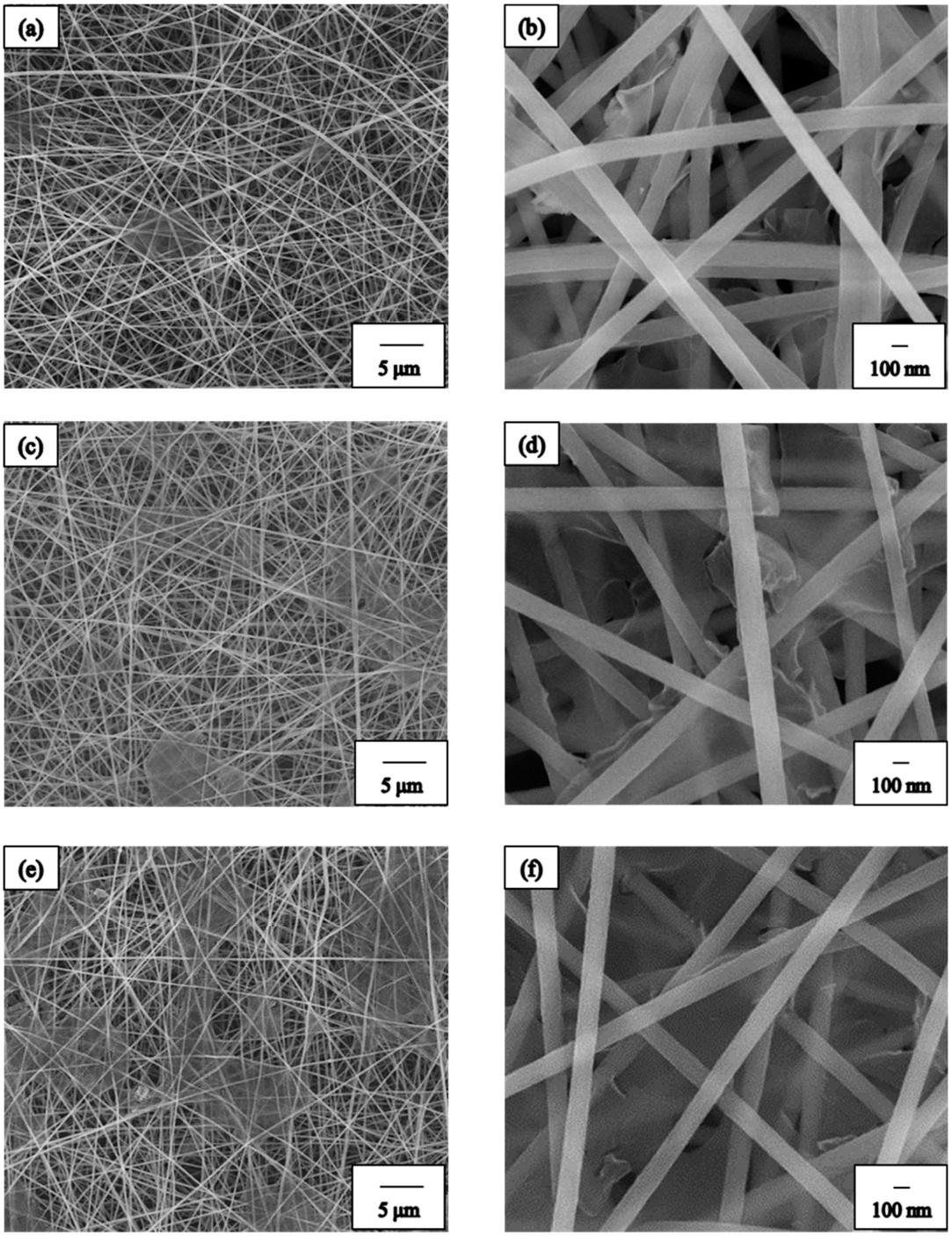

Figure S1. FE-SEM images of BN/PAN ES NFs with different spray coating time, the BN ES nanofiber membrane with the spray coating time (a, b) 10 s, (c, d) 30 s, (e, f) 60 s, is observed by the low and high magnification.

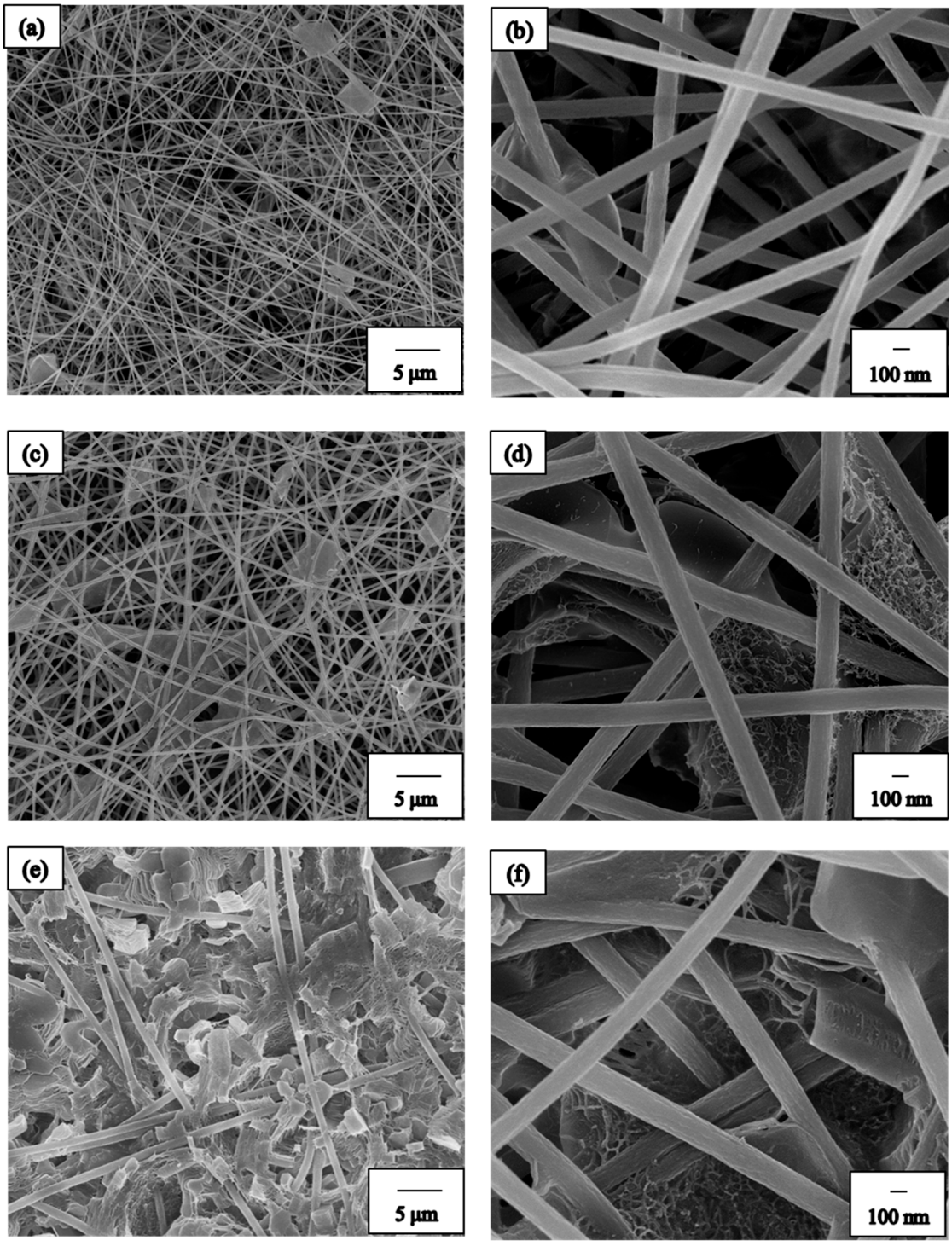

Figure S2. FE-SEM images of BN structure about the different ratio of the BN precursor, and the B_2O_3 and CH_4N_2O were respectively mixed with molar ratio (a, b) 1:10, (c, d) 1:5, (e, f) 1:1 in the low and high magnification,

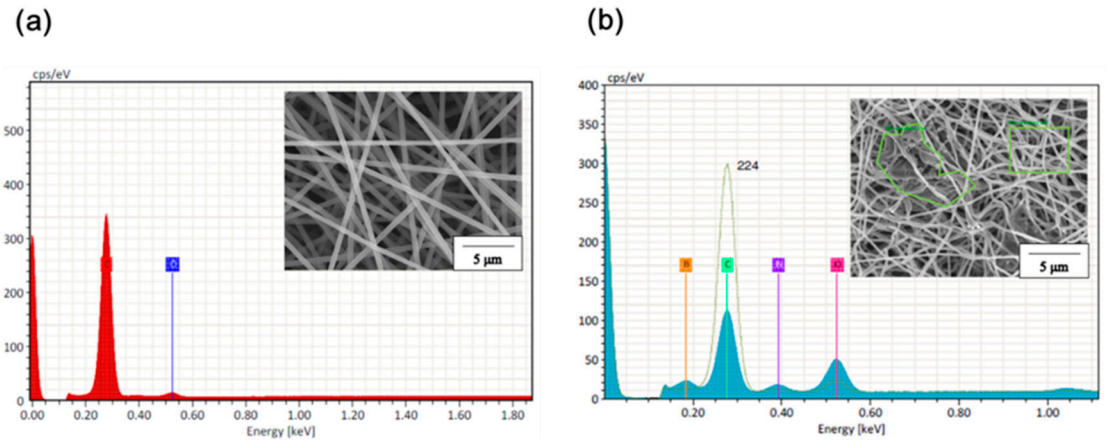

Figure S3. The EDX of (a) pure PAN carbon NFs and (b) BN-PAN composite ES NFs.

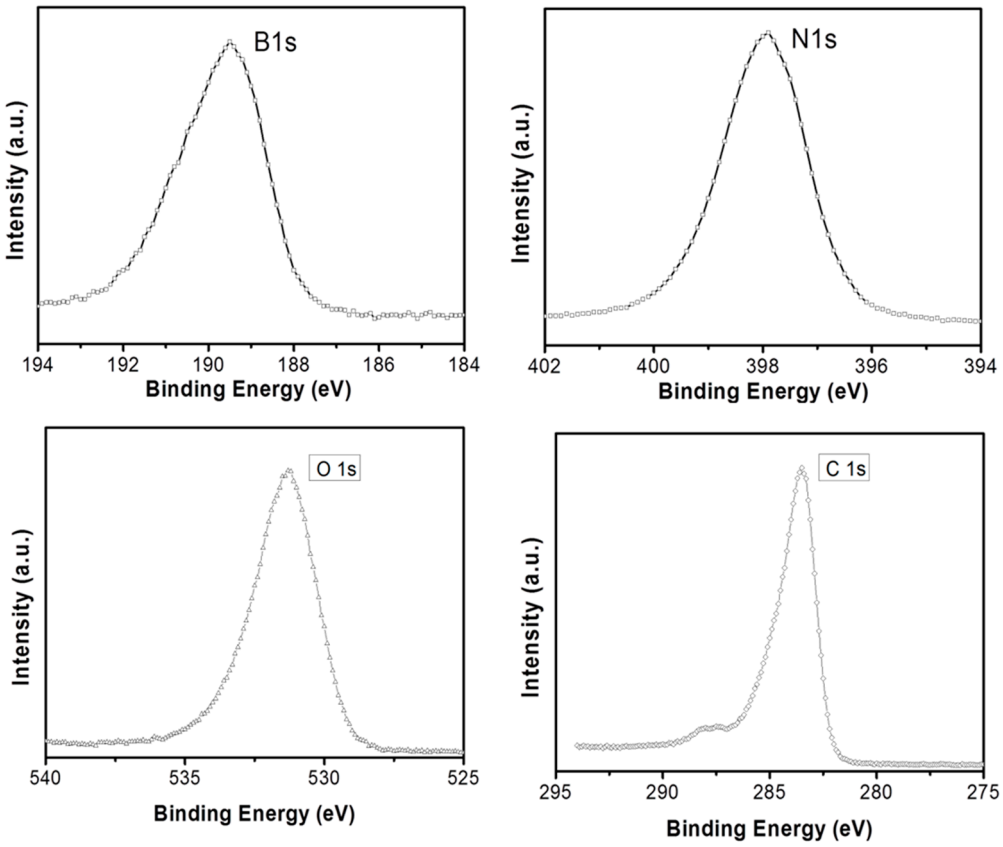

Figure S4. The X-ray photoelectron spectra (XPS) of BN-PAN composite ES NFs.

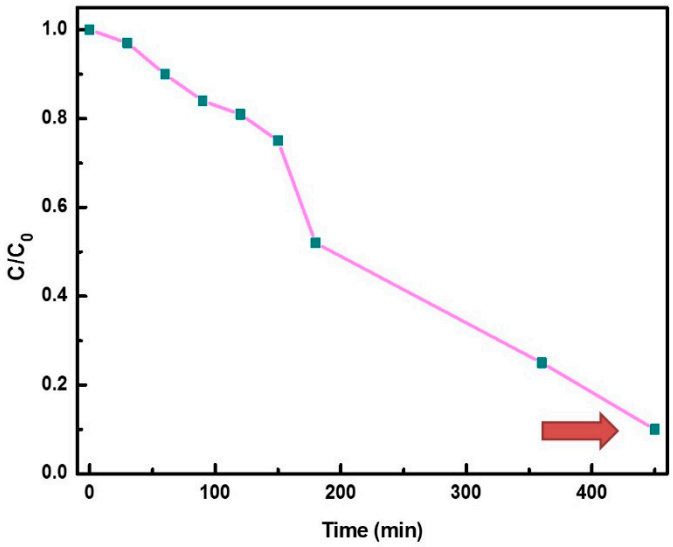

Figure S5. The removal efficiency of the 3D BN NF membrane in Rh B aqueous solutions after 450 mins.

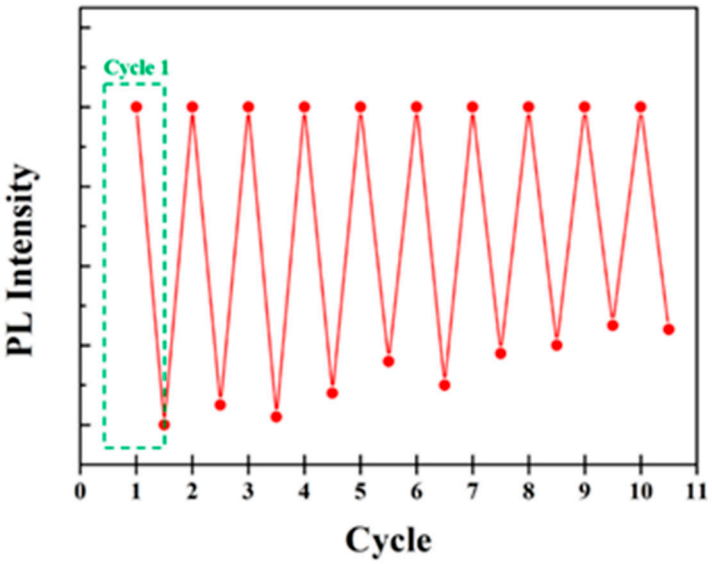

Figure S6. The membrane can be recycled and reused for at least 10 times (the plot of the PL intensity vs time for the 10 cycles).