Revealing the effect of humic substance compounds on the aged characteristics and release compounds profiles from photodegradation of polyethylene microplastics

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Fig. S1 The structural model of HA (a) and FA unit (b), respectively.



Fig. S2 Schematic drawing of the chamber for UV-weathering experiments



Fig. S3 EPR spectra of ▪OH (a) and O2▪- (b) generation in the photodegradation of the PE-MPs in the presence of HA and FA.



Fig. S4 The chromatograms for identification of main photodegradation products of PE-MPs.