

Fig. S 1 Enlarged images of FTIR Spectrum of BTO and HBTO samples for peaks at (a) 3480 cm^{-1} and (b) 1640 cm^{-1} peaks.

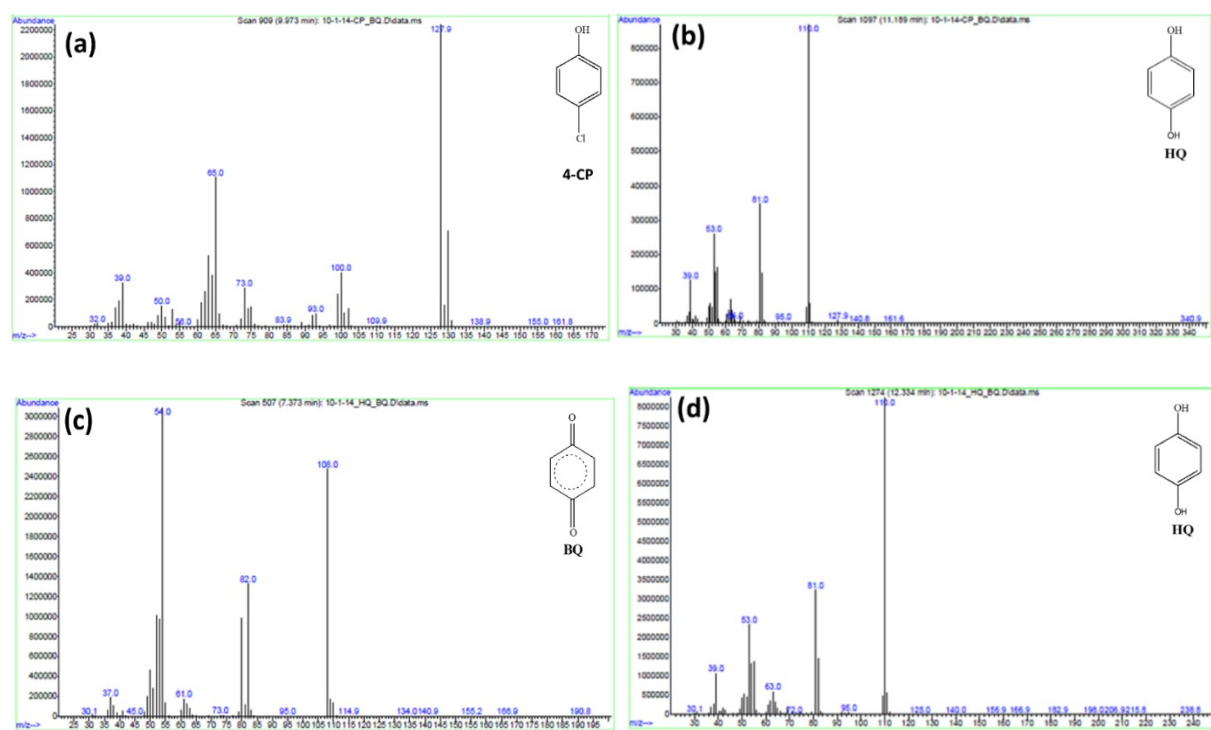


Fig. S 2 Detection of intermediates during the course of the degradation of 4-CP at time intervals of 30 min and 105 min by GC-MS technique.

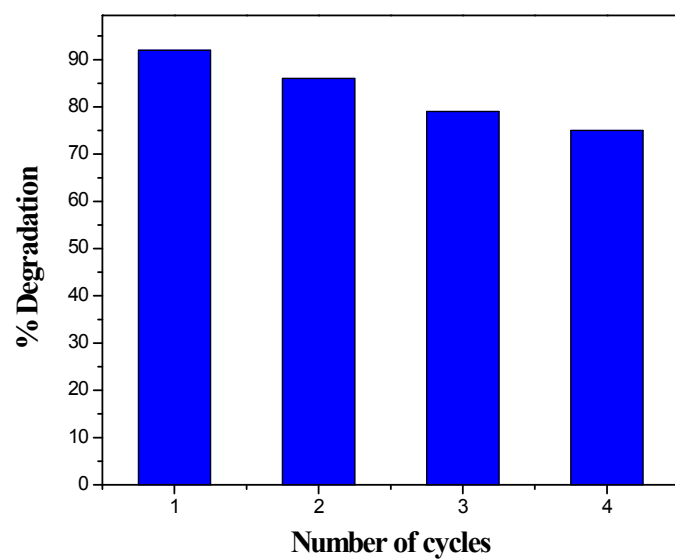


Fig. S 3 Bar diagram depicting percentage degradation versus number of cycles for the degradation of 4-CP using HBTO photocatalyst under solar light illumination.