Electronic Supplementary Material (ESI) for RSC Advances. This journal is © The Royal Society of Chemistry 2016

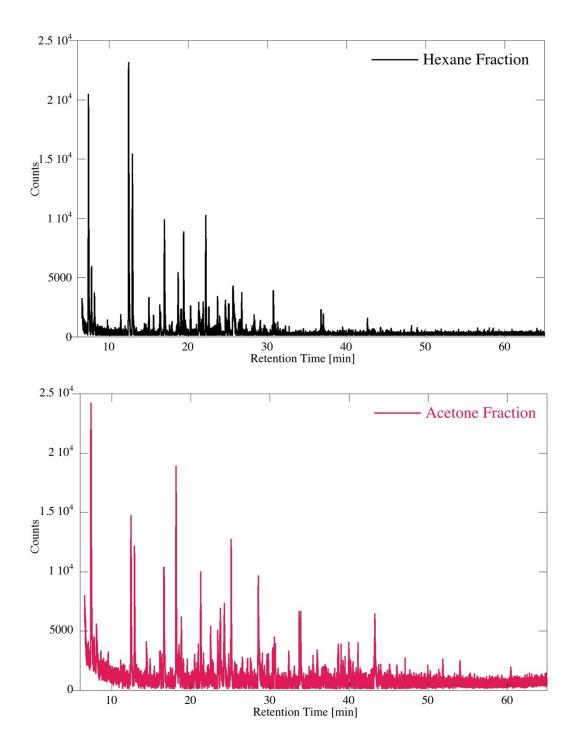
Sustainable waste mitigation: Biotemplated nanostructured ZnO for photocatalytic water treatment via extraction of biofuels from hydrothermal carbonization of banana stalk

Ayush Upneja^{1,2}, Guolan Dou^{2,3}, Chitanya Gopu², Carol Johnson^{2,4}, Anna Newman⁴, Azat Suleimenov⁴, Jillian L. Goldfarb^{2,4*}

- 1. Newton South High School, 140 Brandeis Road, Newton Centre, MA 02459, USA
- 2. Department of Mechanical Engineering, Boston University, 110 Cummington Mall, Boston MA 02215, USA
- 3. School of Safety Engineering, China University of Mining &Technology, Xuzhou 221116, China
- 4. Division of Materials Science & Engineering, Boston University, 15 St. Mary's Street, Brookline, MA 02446, USA

Supplemental Information (for online publication only)

^{*} To whom correspondence should be addressed: jilliang@bu.edu; JillianLGoldfarb@gmail.com, (617) 353 3883



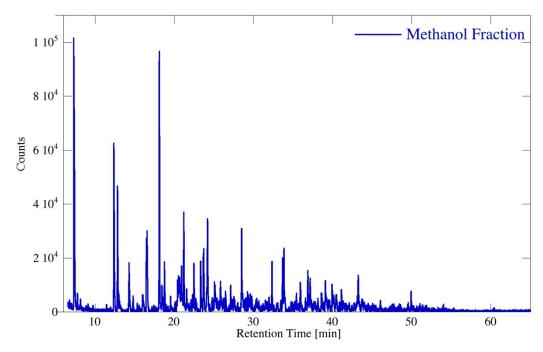


Figure S1. Chromatograms of hexane, acetone and methanol fractions of hydrothermal banana stalk bio-oil