

Phenolphthalein-Dummy Template Molecularly Imprinted Polymer for Highly Selective Extraction and Clean-Up of Bisphenol A in Complex Biological, Environmental and Food Samples

Jiajia Yang ^{1,†}, Yun Li ^{2,†}, Chaonan Huang ^{2,3}, Yanna Jiao ⁴ and Jiping Chen ^{2,*}

¹ College of Materials Science and Engineering, Hebei University of Engineering, 199 South Guangming Street, Handan 056038, China; yjj177@163.com (J.Y.)

² CAS Key Laboratory of Separation Sciences for Analytical Chemistry, Dalian Institute of Chemical Physics, Chinese Academy of Sciences, 457 Zhongshan Road, Dalian 116023, China; liyun@dicp.ac.cn (Y.L.); huangchaonan@dicp.ac.cn (C.H.)

³ University of Chinese Academy of Sciences, Beijing 100049, China

⁴ Inspection and Quarantine Technology Centre, Hunan Entry-Exit Inspection and Quarantine Bureau, Changsha 410004, China; 103993770@qq.com (Y.J.)

* Correspondence: chenjp@dicp.ac.cn (J.C.); Tel.: +86-411-8437-9562

† These authors contributed equally to this work

Supporting Information

Figure S1.

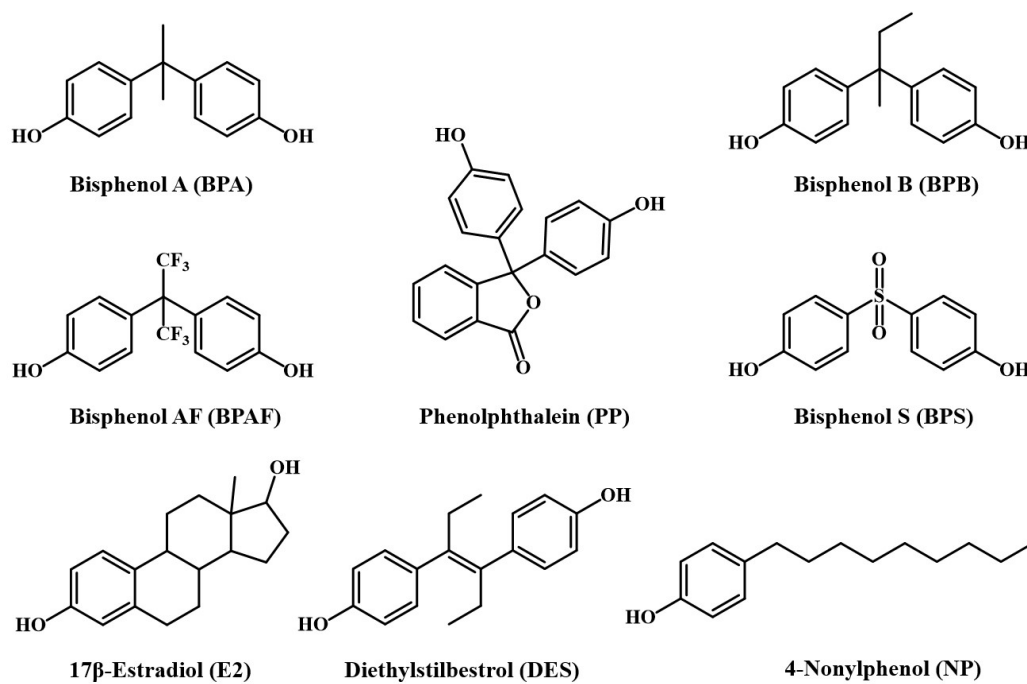
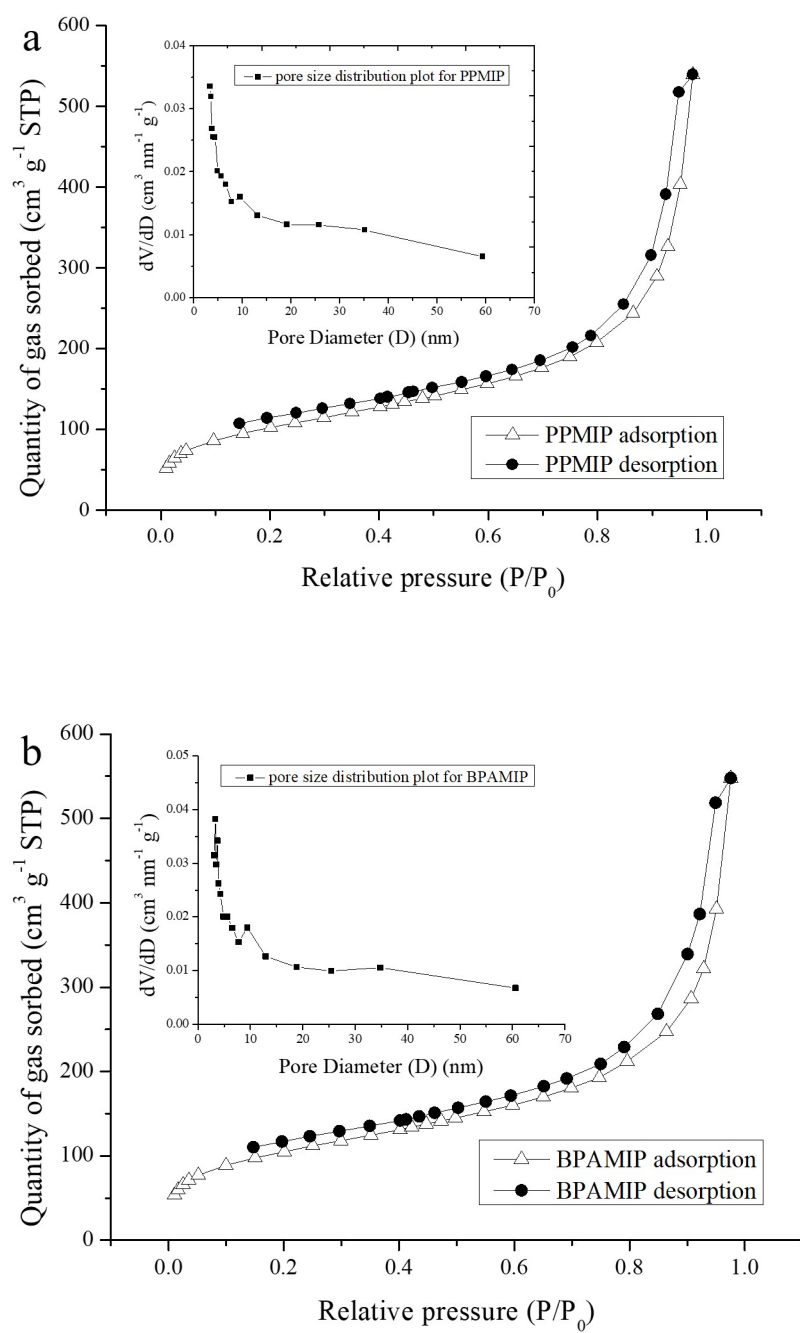


Figure S1. Molecular structures of BPA, PP, BPB, BPAF, BPS, E2, DES and NP.

Figure S2.



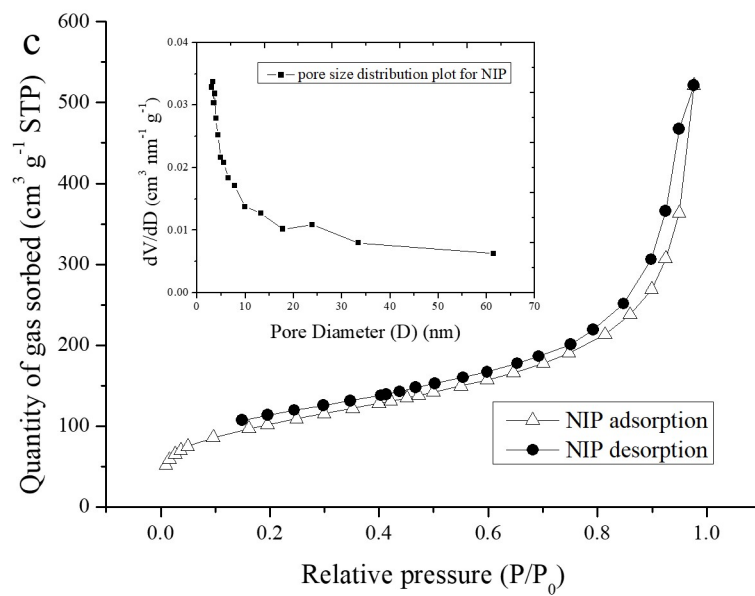


Figure S2. Nitrogen adsorption-desorption isotherms of PPMIP (a), BPAMIP (b) and NIP (c) (inset: pore size distribution plot).

Figure S3.

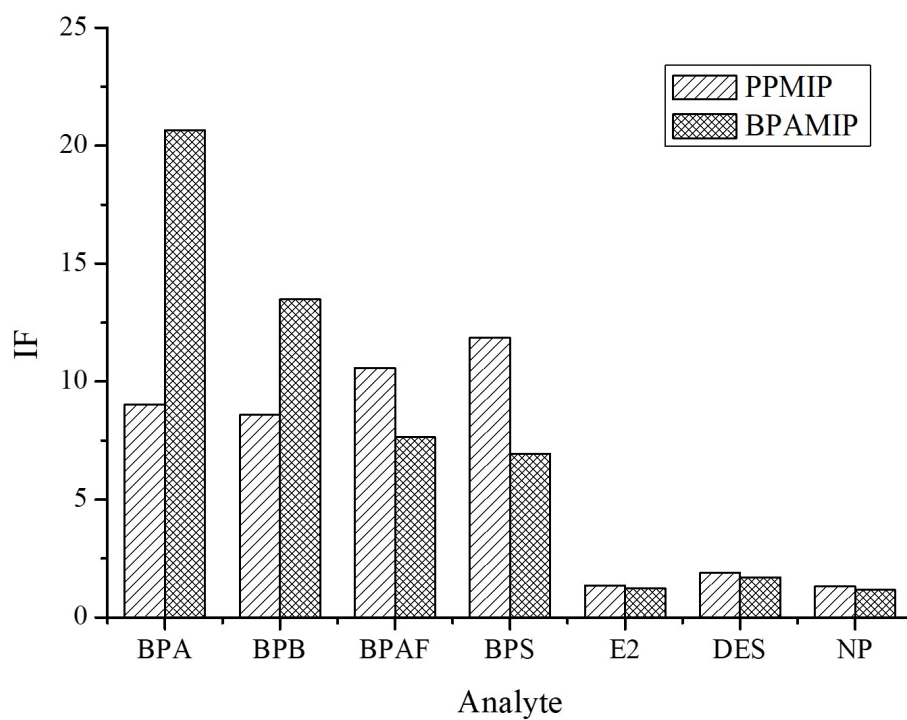


Figure S3. IF values of BPA, BPB, BPAF, BPS, E2, DES and NP for the PPMIP and BPAMIP.