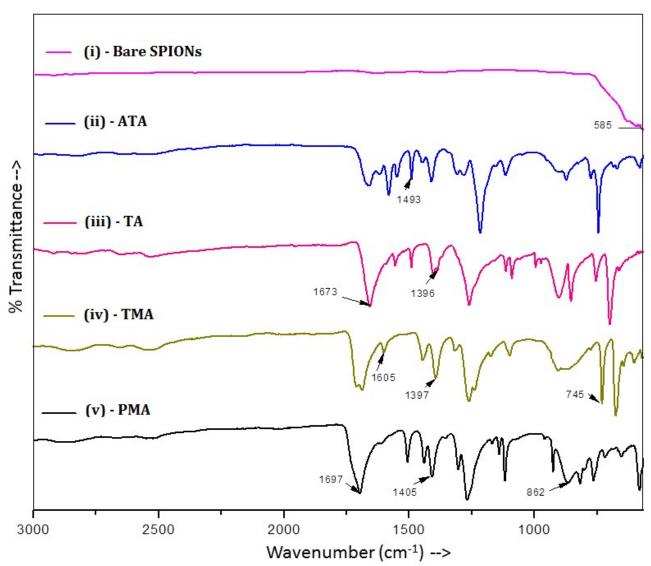
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**Supporting Information** FACILE SYNTHESIS OF NOVEL HYDROPHILIC AND CARBOXYL-AMINE FUNCTIONALIZED SUPERPARAMAGNETIC IRON OXIDE NANOPARTICLES FOR BIOMEDICAL APPLICATIONS Ganeshlenin Kandasamy <sup>1</sup>, Sreeraj Surendran <sup>2</sup>, Anindita Chakrabarty <sup>2</sup>, S. N. Kale <sup>3</sup>, Dipak Maity 1\* <sup>1</sup>Department of Mechanical Engineering, Shiv Nadar University, Uttar Pradesh 201314, India <sup>2</sup>Department of Life sciences, Shiv Nadar University, Uttar Pradesh 201314, India <sup>3</sup>Department of Applied Physics, Defence Institute of Advanced Technology, Pune 411025, India \* Corresponding author: dipak.maity@snu.edu.in 



**Fig. S1.** FTIR spectra of (i) bare SPIONs, (ii) ATA, (iii) TA, (iv) TMA and (v) PMA molecules respectively.