Scheme S4. Diffuse reflectance FTIR spectra for (a) covalently linked carbonyl subsite, GC\textsubscript{D\textsubscript{poly}} (b) covalently linked monocyanide GC\textsubscript{F\textsubscript{copoly}} (c) covalently linked dicyanide GC\textsubscript{H\textsubscript{poly}} (d) ionically bound polymer subsite assembly GC\textsubscript{H\textsubscript{poly}}.