Supplementary Information

ZnO decorated with organic nanoparticles based sensor for ratiometric selective determination of mercury ions

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Figure S1: $^1$H NMR of R1
Figure S2: $^{13}$C NMR of R1
Figure S3: $^1$H NMR of R1 coated on surface of ZnO
Figure S4 a: IR spectrum of R1
Figure S4 b: IR spectrum of N1 i.e. R1 coated on the surface of ZnO
Figure S5: Comparison of absorption profile of prepared receptor (R1) and R1 coated on surface of ZnO (N1)
Figure S6: Comparison of fluorescence profile of prepared receptor (R1) and R1 coated on surface of ZnO (N1)
Figure S7: Bar diagram showing stability of N1 fluorescence response in due course of time