

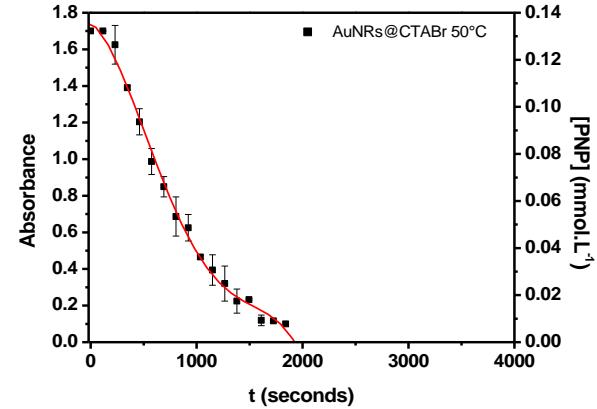
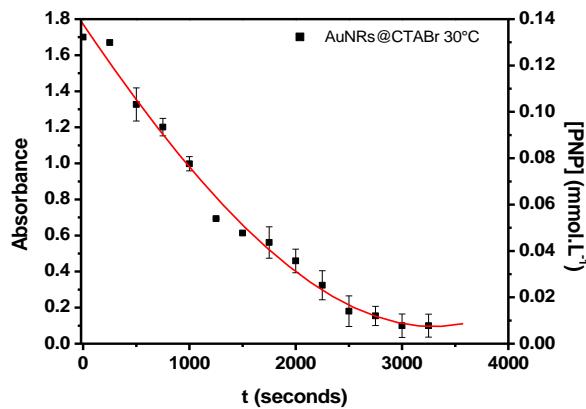
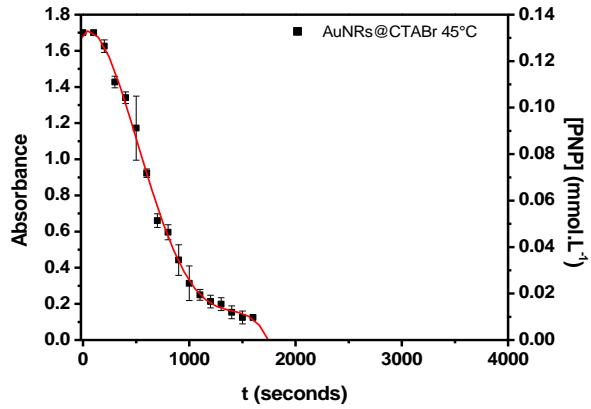
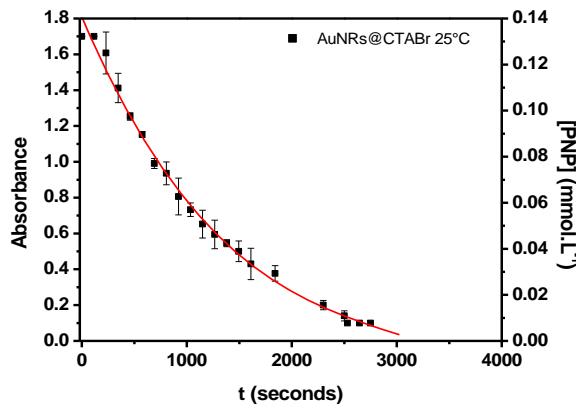
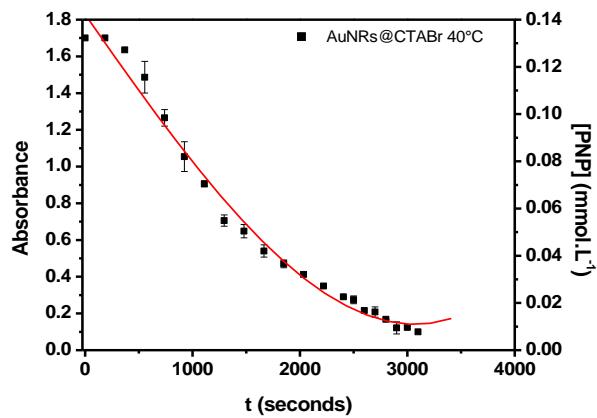
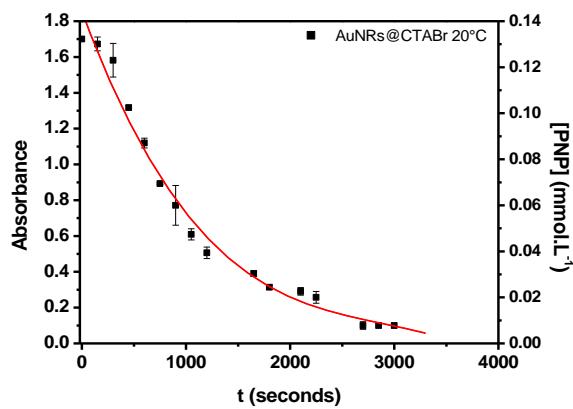
Supplementary Information

Gold Nanorods Capped with Different Ammonium Bromide Salts on the Catalytic Chemical Reduction of *p*-Nitrophenol

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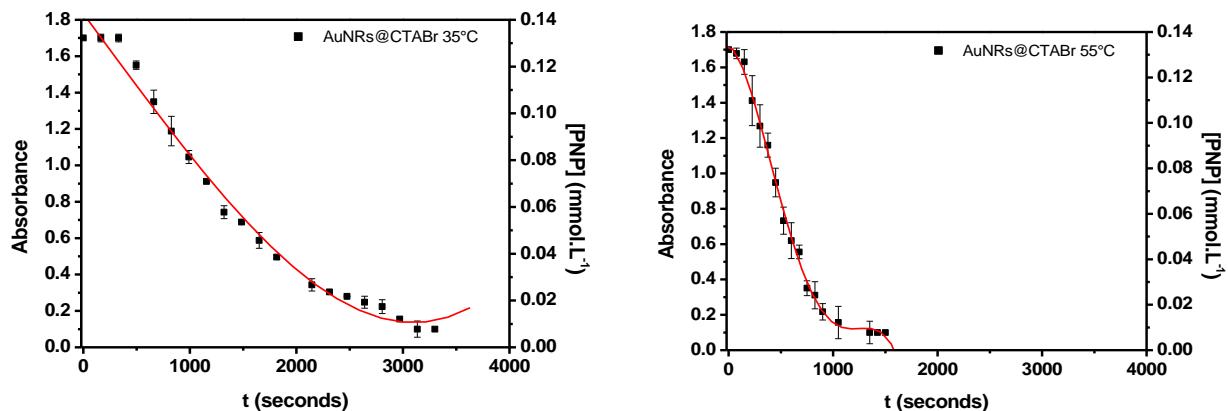
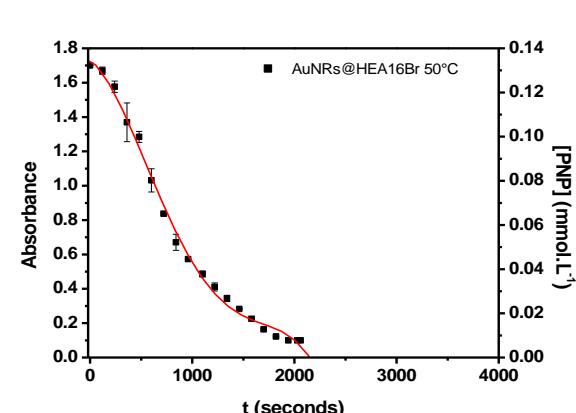
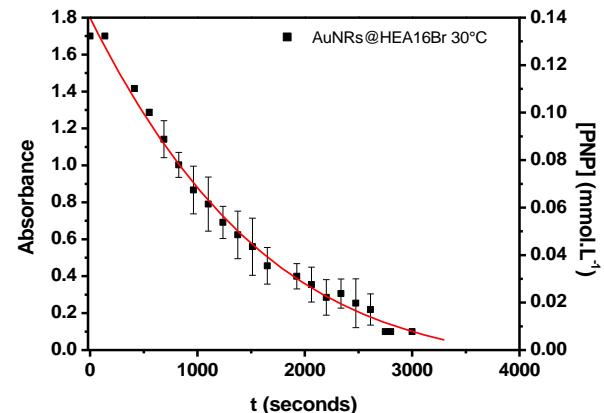
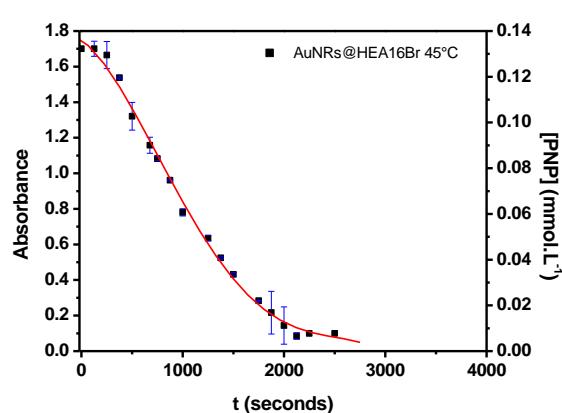
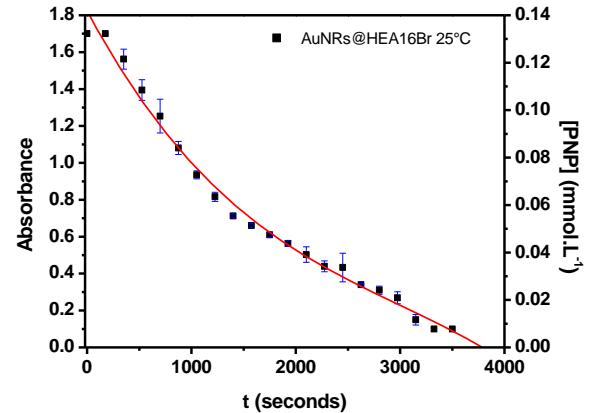
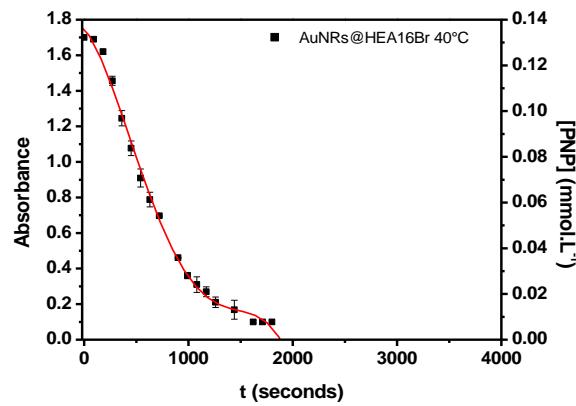
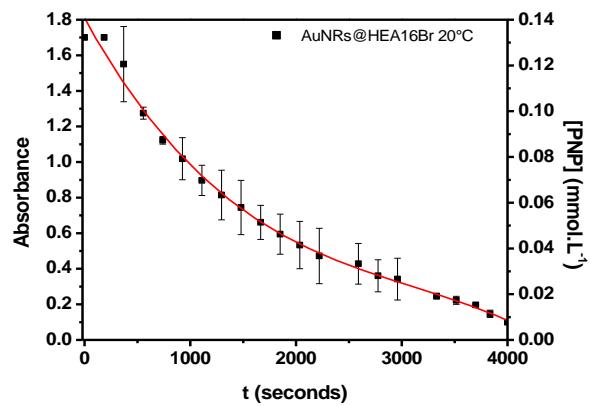


Figure S1. Graphs indicating the [PNP] at different reaction times and temperatures for the system AuNR@CTABr. Reaction conditions: atmospheric pressure, 2.0 mL of the PNP (0.1 mmol L^{-1}), 1.0 mL of the NaBH_4 (0.25 mol L^{-1}), 0.05 mL of the colloidal solution of AuNR, and reaction temperatures of 20, 25, 30, 35, 40, 45, 50 and 55 °C.



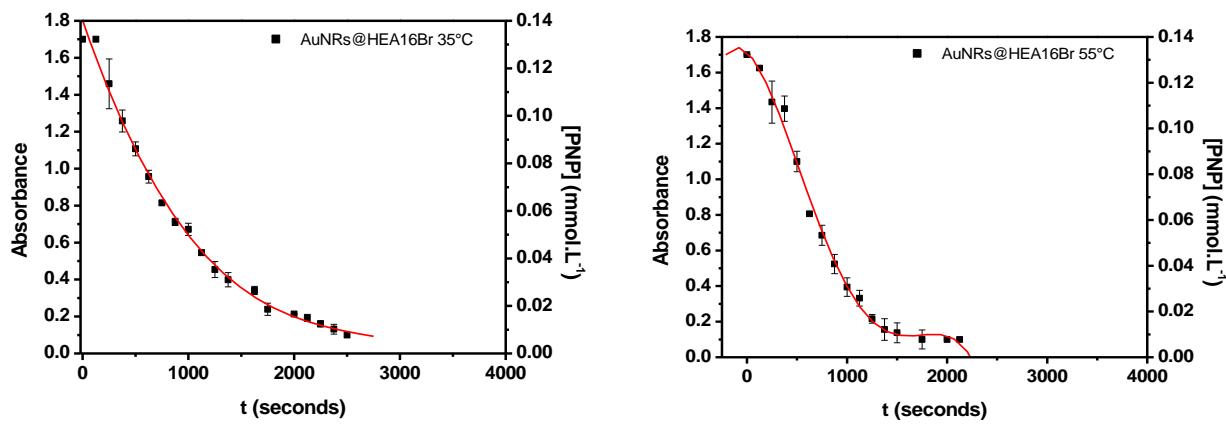
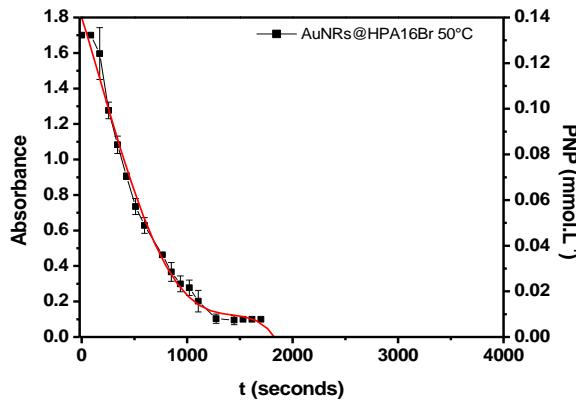
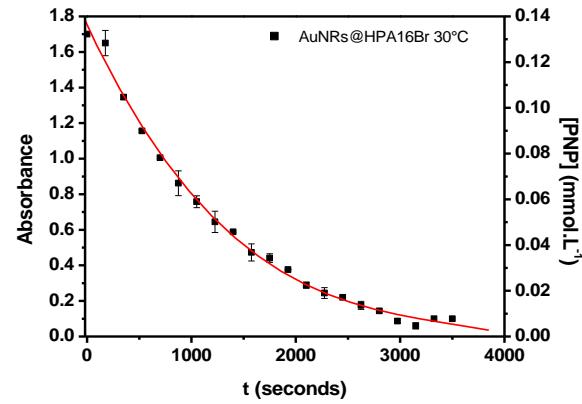
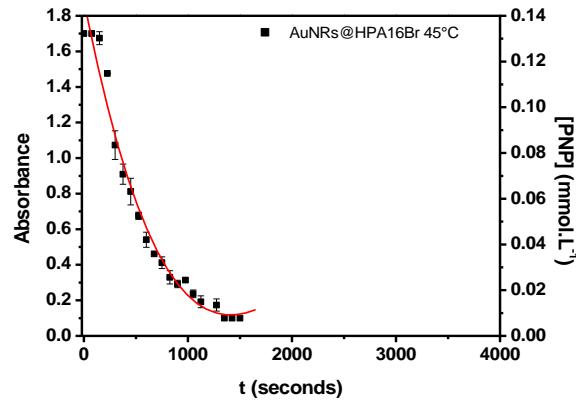
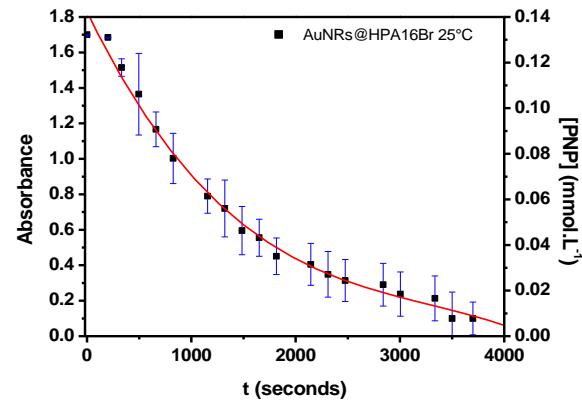
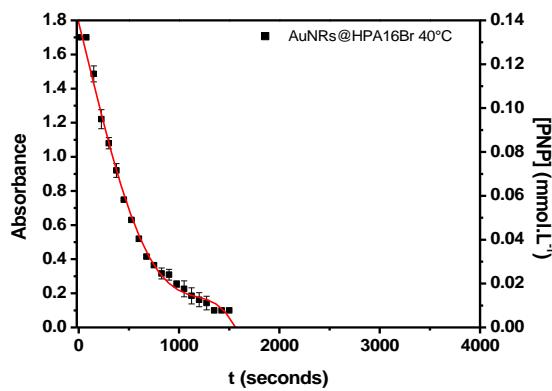
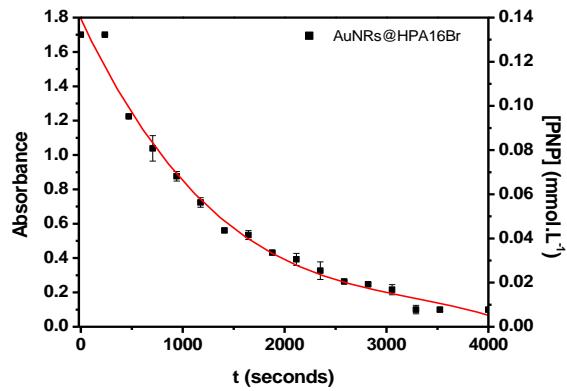


Figure S2. Graphs indicating the [PNP] at different reaction times and temperatures for the system AuNR@HEA16Br. Reaction conditions: atmospheric pressure, 2.0 mL of the PNP (0.1 mmol L^{-1}), 1.0 mL of the NaBH_4 (0.25 mol L^{-1}), 0.05 mL of the colloidal solution of AuNR, and reaction temperatures of 20, 25, 30, 35, 40, 45, 50 and 55 °C.



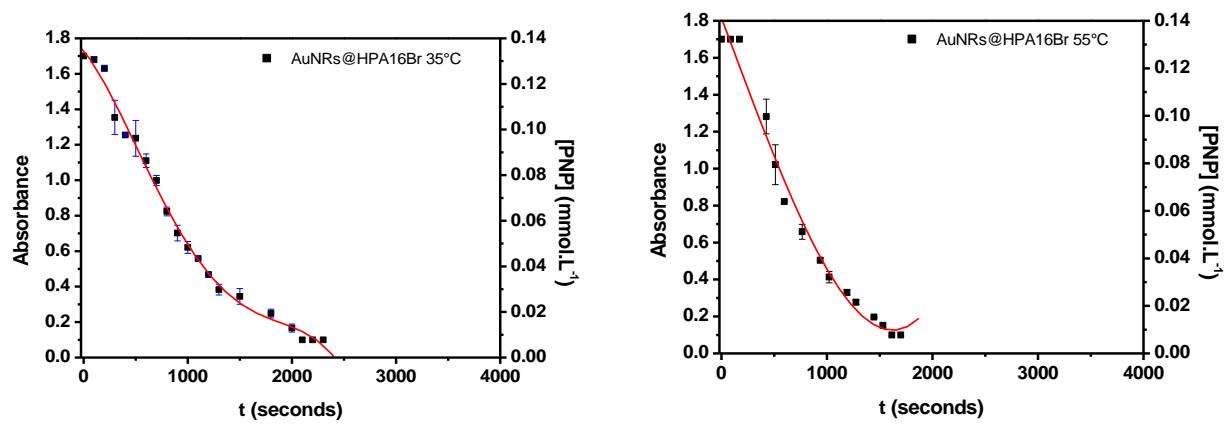
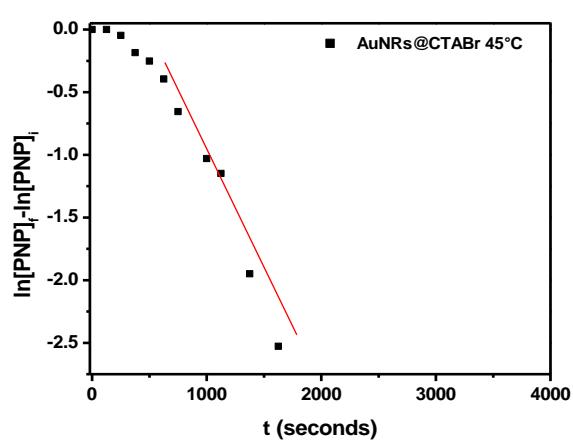
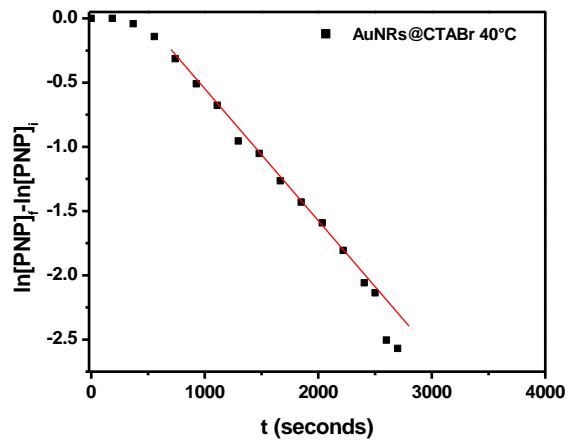
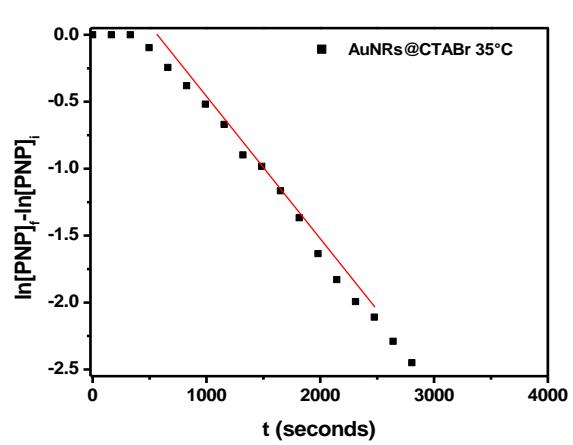
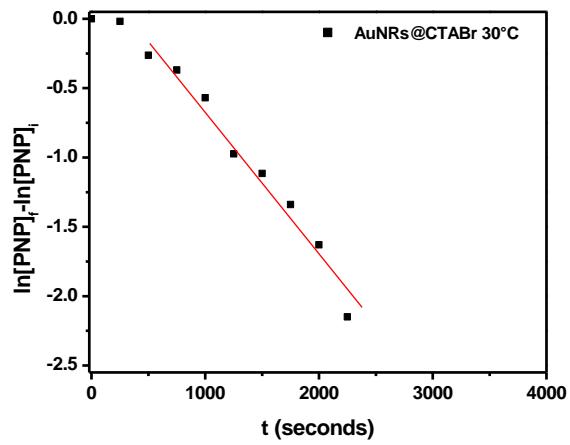
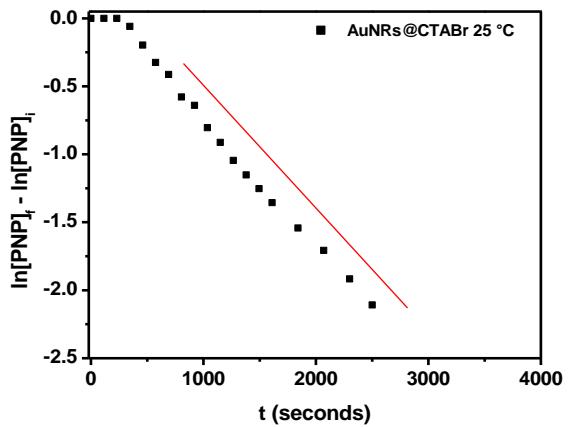
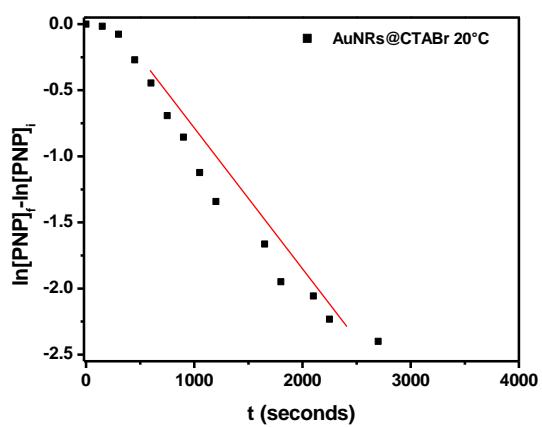


Figure S3. Graphs indicating the [PNP] at different reaction times and temperatures for the system AuNR@HPA16Br. Reaction conditions: atmospheric pressure, 2.0 mL of the PNP (0.1 mmol L^{-1}), 1.0 mL of the NaBH_4 (0.25 mol L^{-1}), 0.05 mL of the colloidal solution of AuNR, and reaction temperatures of 20, 25, 30, 35, 40, 45, 50 and 55 °C.



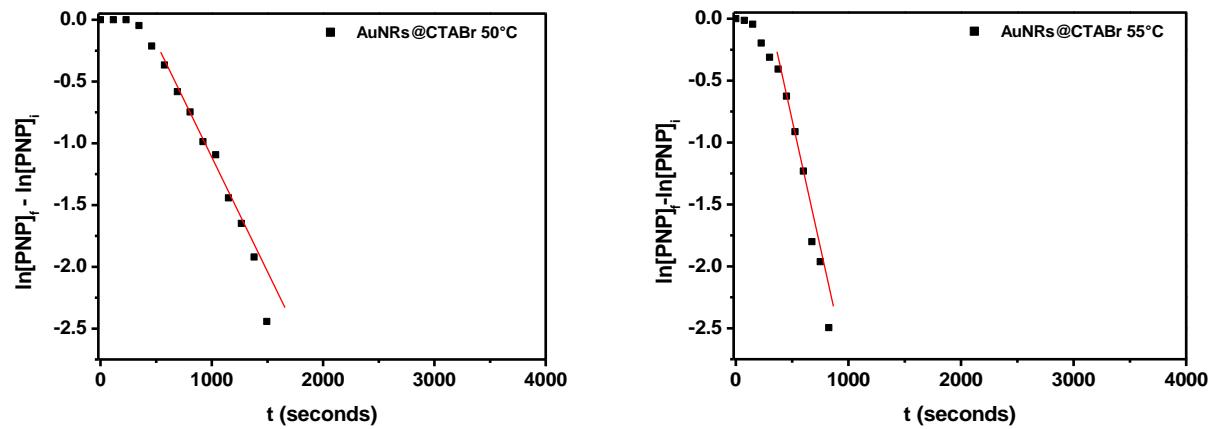
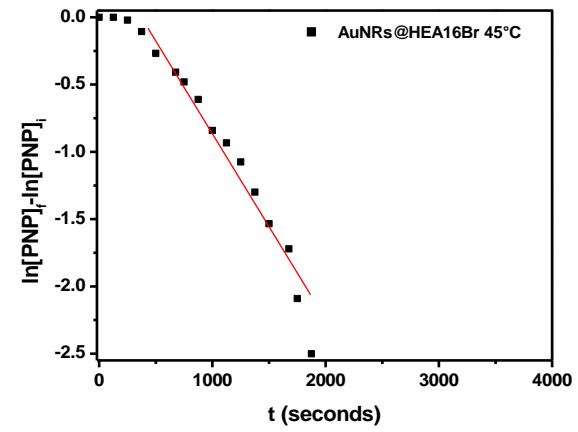
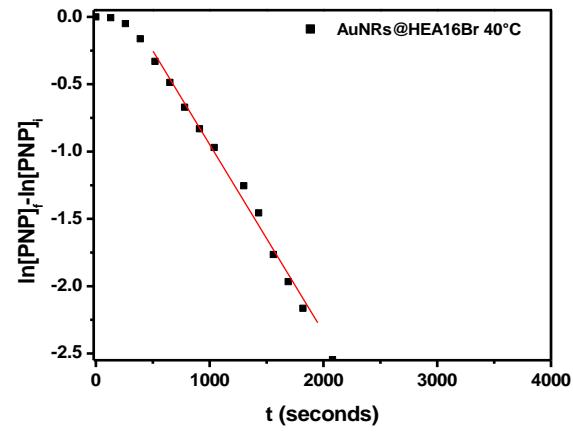
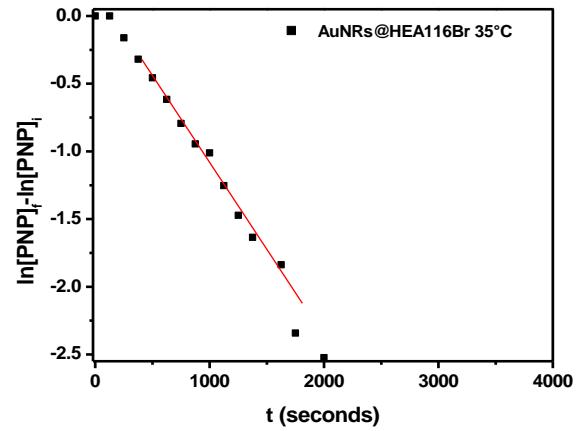
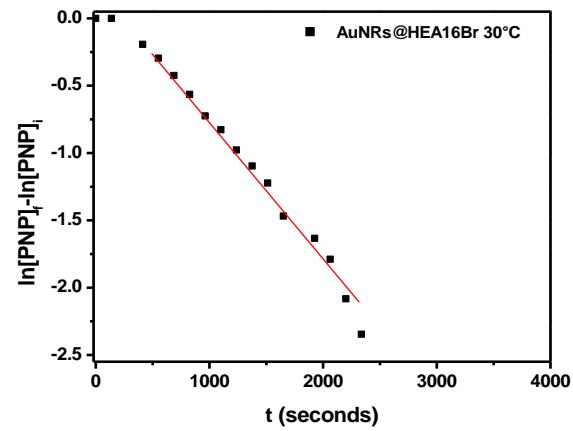
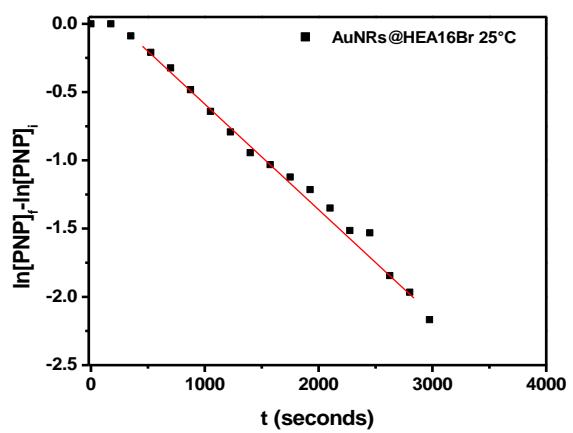
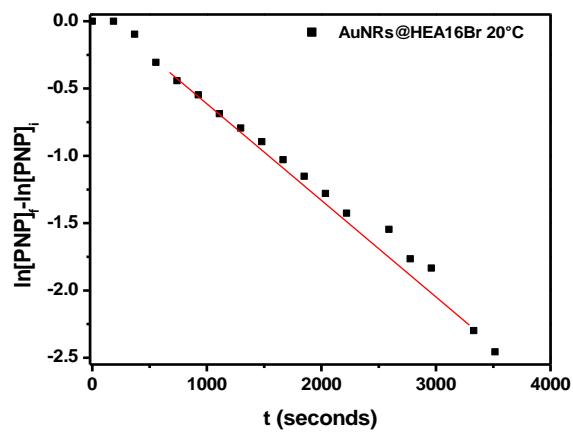


Figure S4. Plots of $\ln[\text{PNP}] - \ln[\text{PNP}]_0$ versus reaction time at different temperatures for the system AuNRs@CTABr .



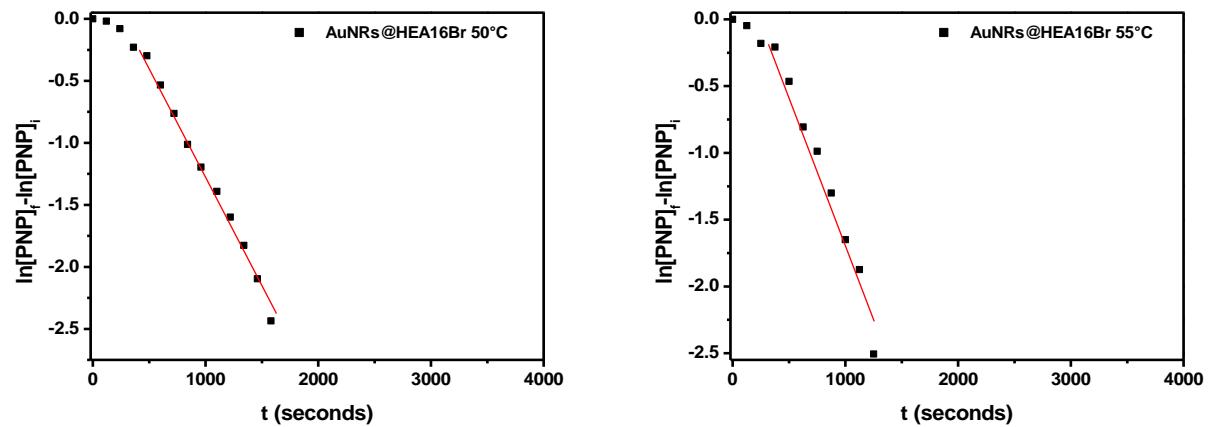
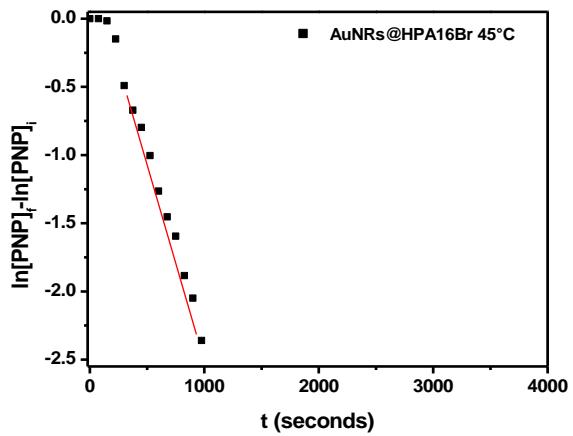
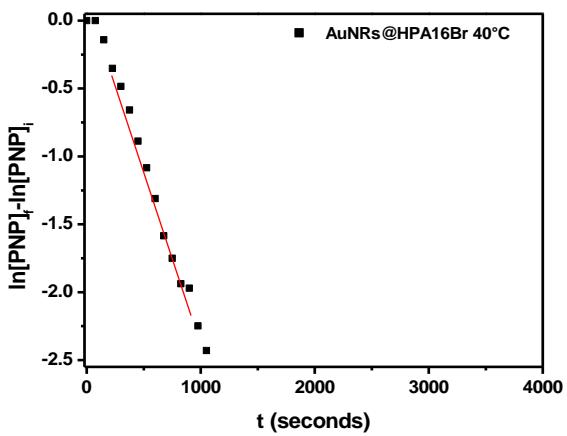
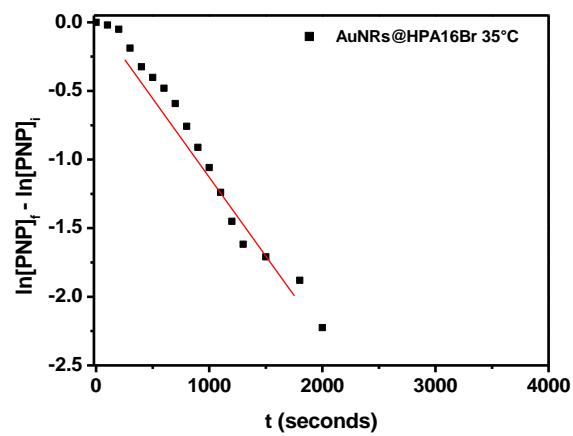
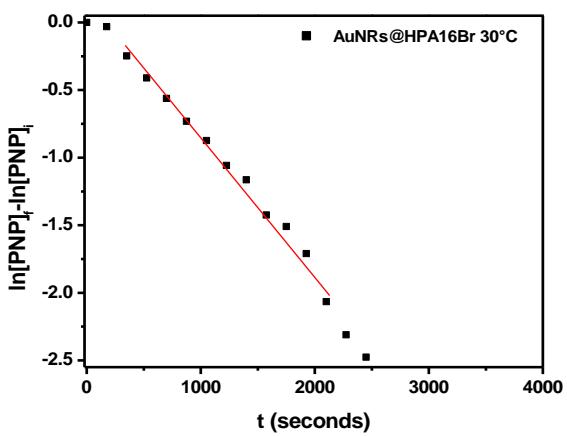
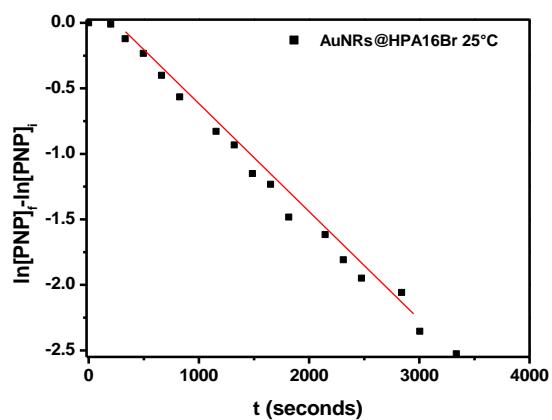
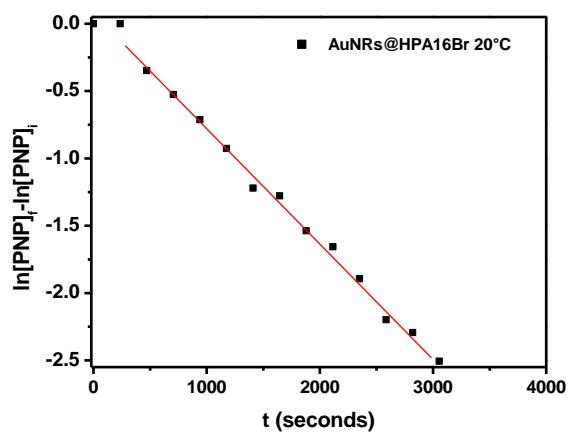


Figure S5. Plots of $\ln[\text{PNP}]_t - \ln[\text{PNP}]_0$ versus reaction time at different temperatures for the system AuNRs@HEA16Br.



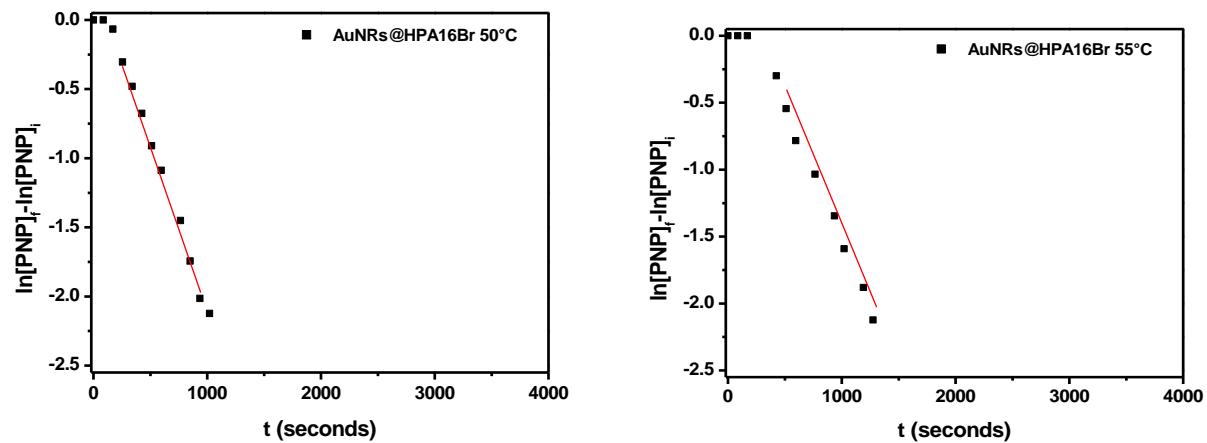


Figure S6. Plots of $\ln[\text{PNP}] - \ln[\text{PNP}]_0$ versus reaction time at different temperatures for the system AuNRs@HPA16Br.



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