Supporting Information

Size Controlled Synthesis of Quasi-Monodisperse Transition Metal Ferrite Nanocrystals in Long Chain Alcohol Solutions

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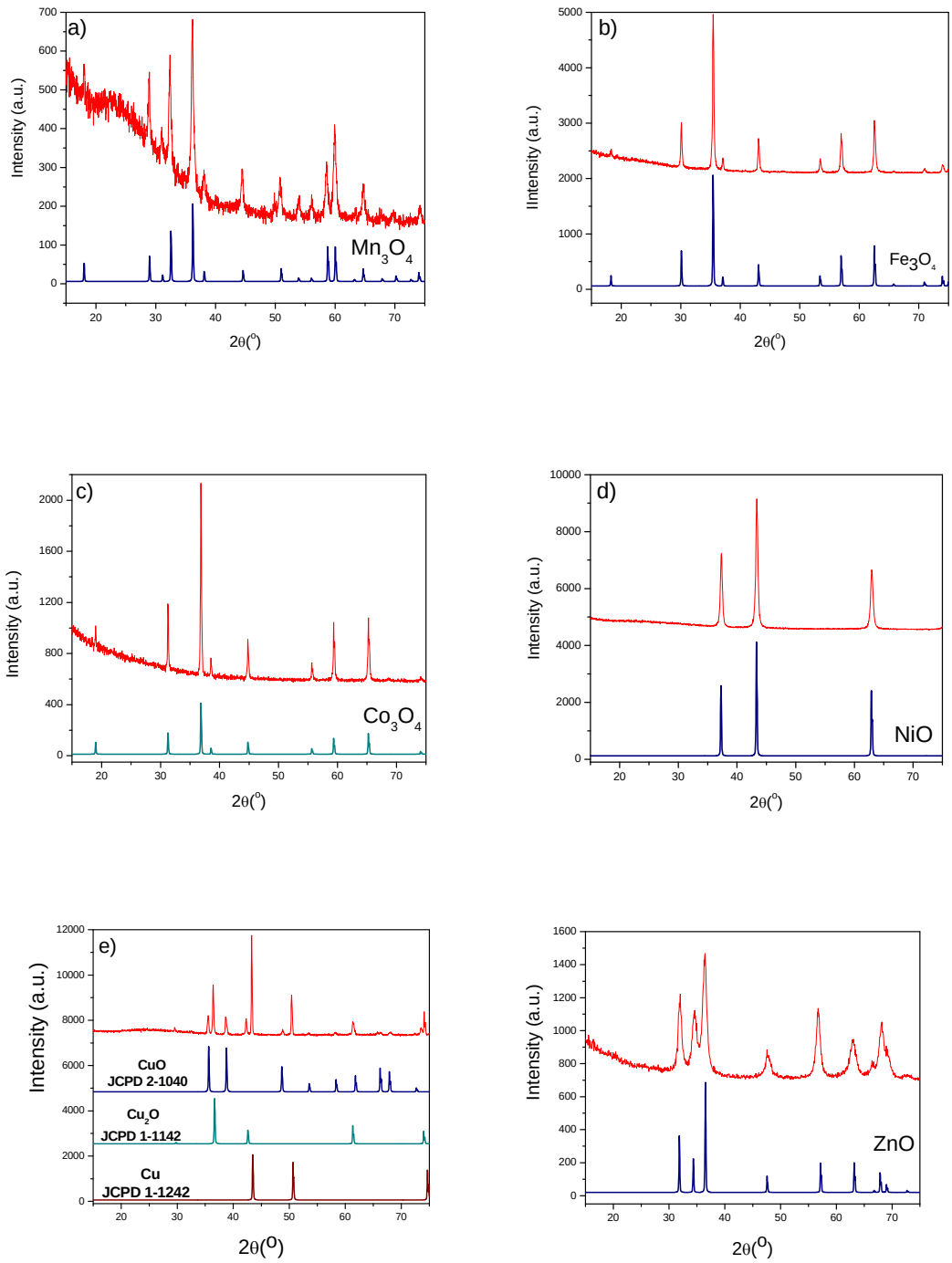

Figure S1. Powder X-Ray diffraction patterns of the residuals obtained by thermal decomposition of the transition metal acetate salts at 600°C in flowing argon in a thermobalance

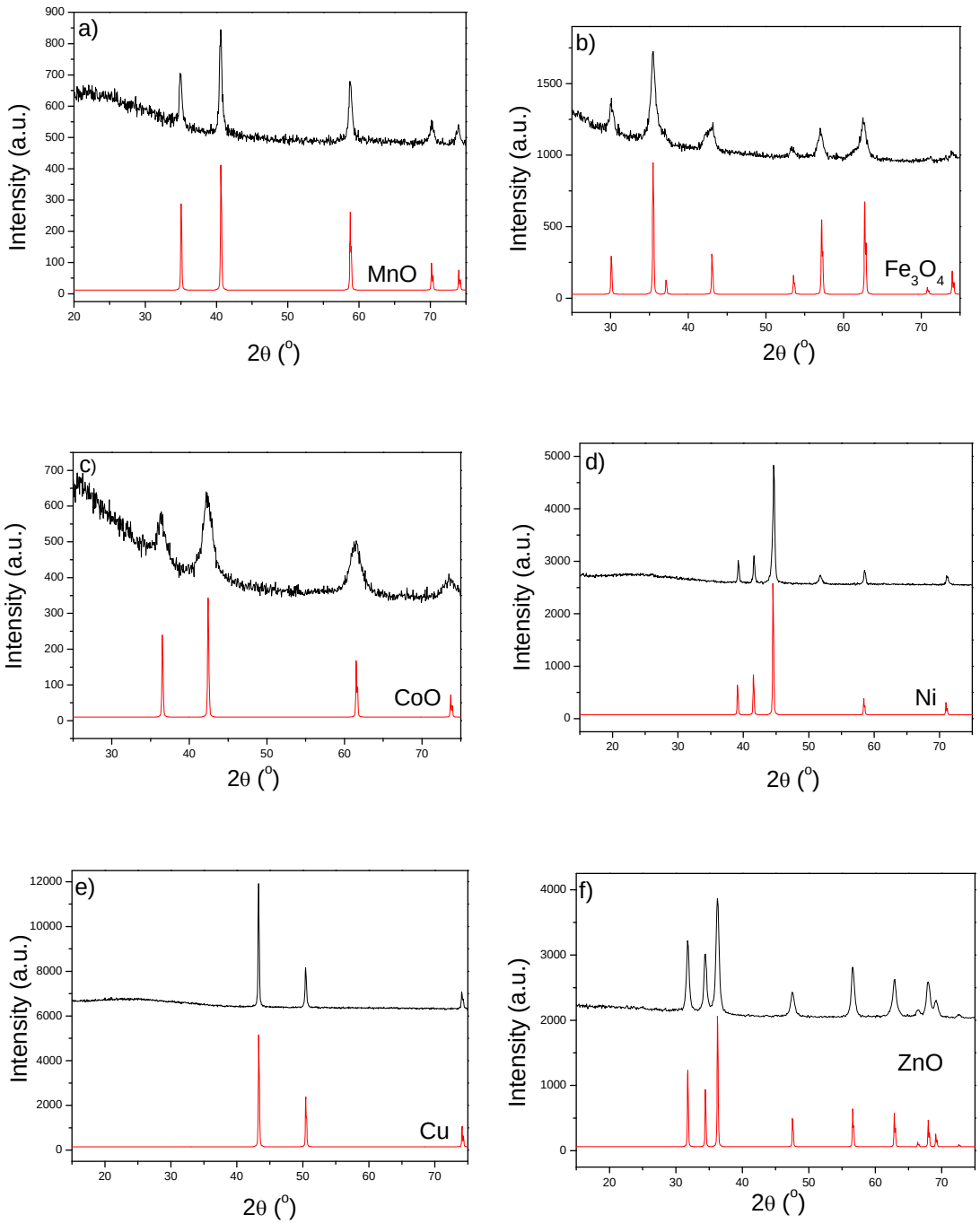

Figure S2. XRD patterns of the residuals obtained by heating the transition metal acetate salts in oleyl alcohol at 300°C under flowing argon

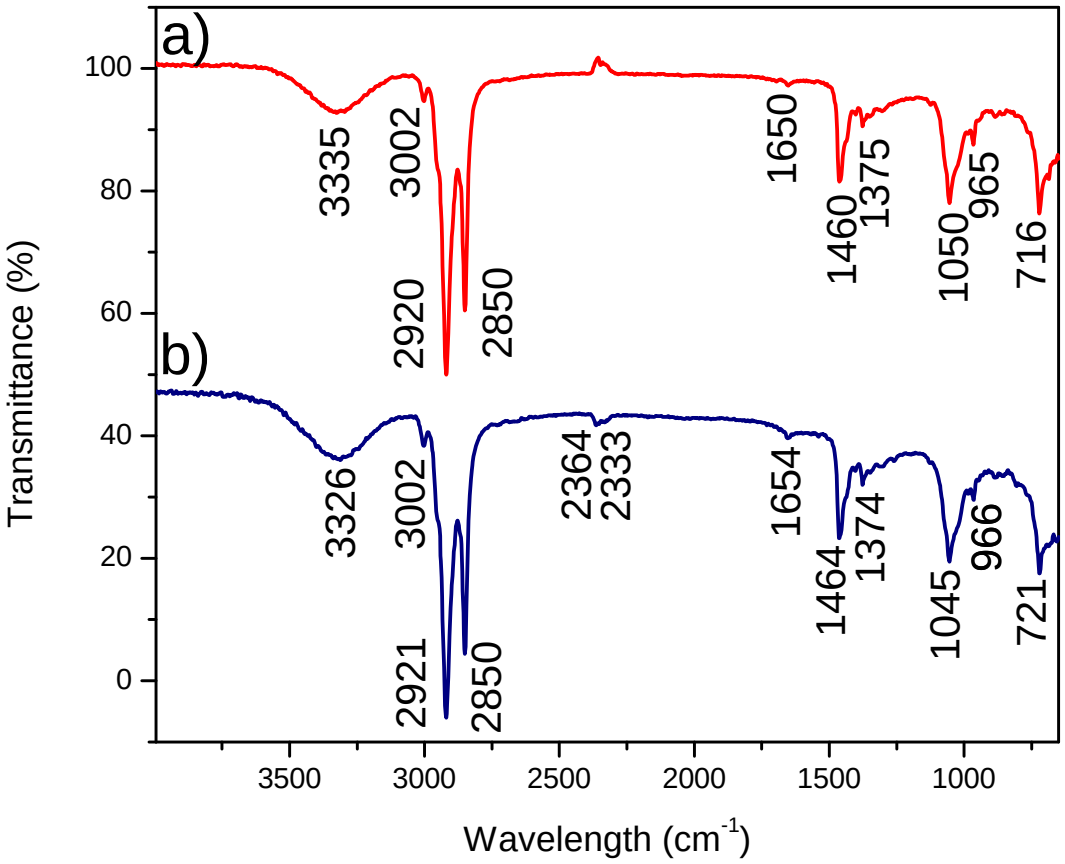

Figure S3. (a) FT-IR spectrum of the oleyl alcohol (85% purity) before (blue line) and after (red pattern) annealing at 300°C under flowing argon

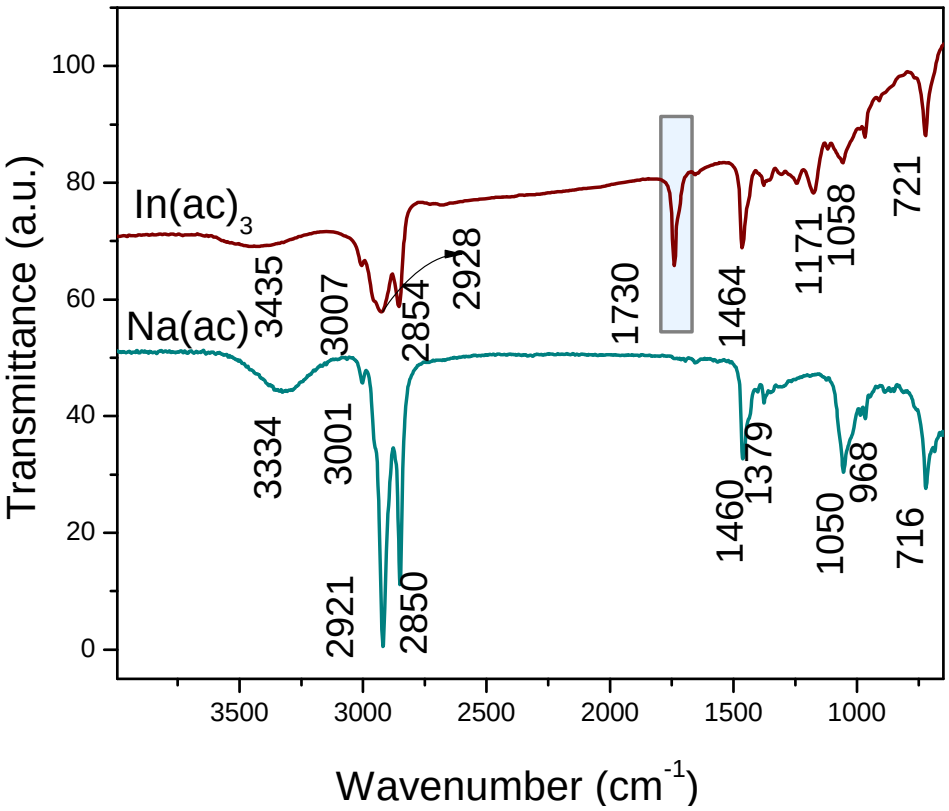

Figure S4. FT-IR spectrum of the post-reaction solutions containing $In(ac)_3$ and Na(ac) in oleyl alcohol heated at 300°C and maintained at this temperature for 1h under flowing argon