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Supplementary material

Photocatalysis as a tool for *in vitro* drug metabolism simulation: Multivariate comparison of twelve metal oxides on a set of twenty model drugs

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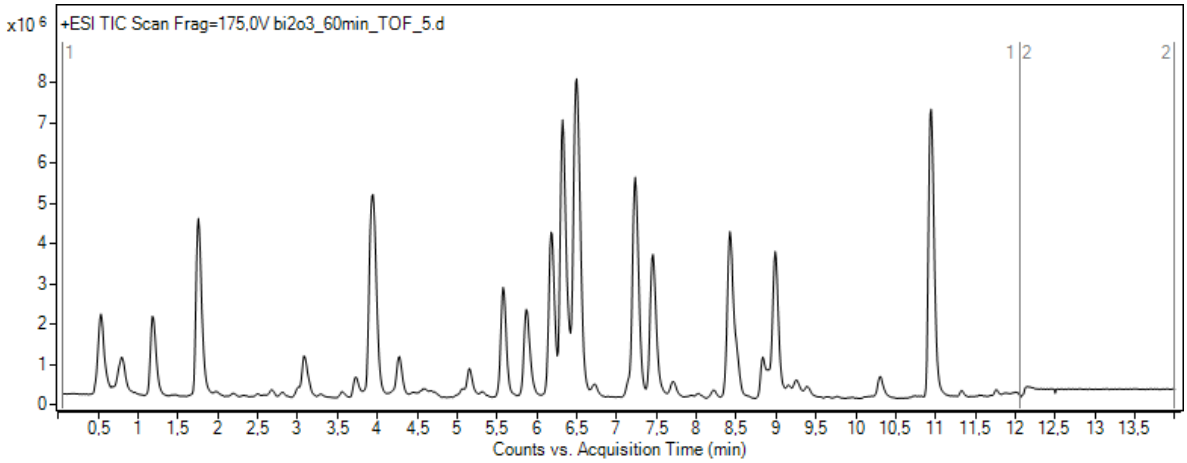

Figure S1. Overlay of the total ion current (TIC) from Bi_2O_3 photocatalytic experiment.

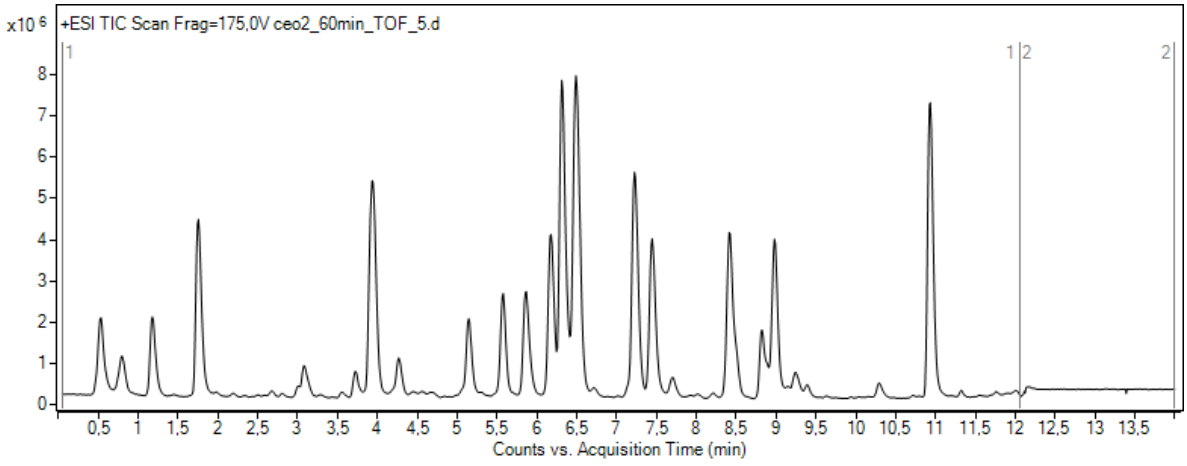

Figure S2. Overlay of the total ion current (TIC) from CeO_2 photocatalytic experiment.

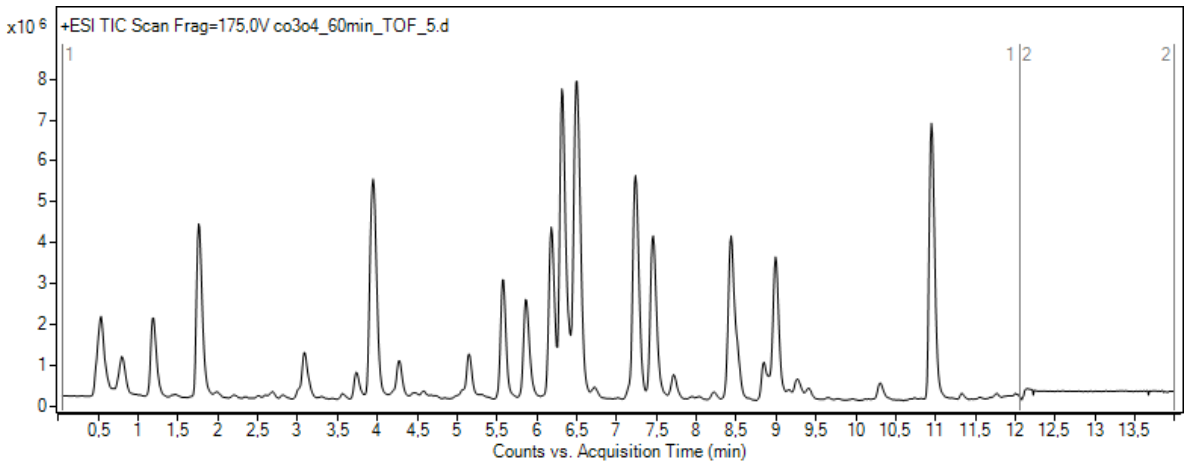

Figure S3. Overlay of the total ion current (TIC) from Co_3O_4 photocatalytic experiment.

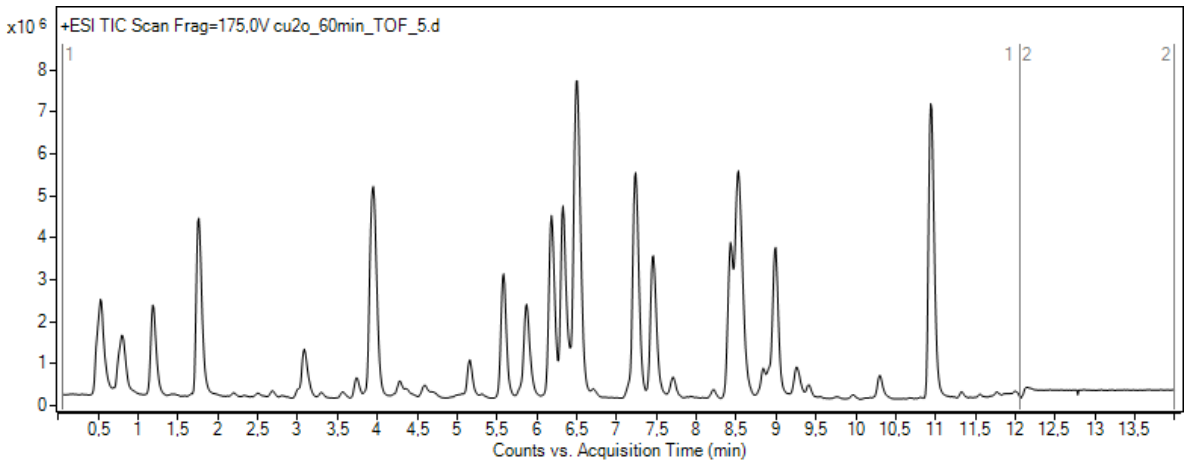

Figure S4. Overlay of the total ion current (TIC) from Cu_2O photocatalytic experiment.

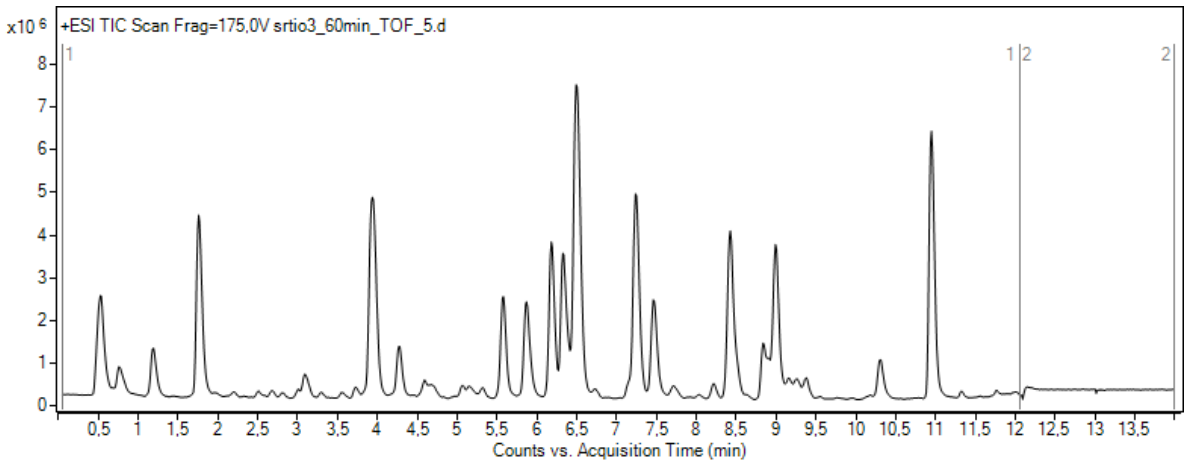

Figure S5. Overlay of the total ion current (TIC) from $SrTiO_3$ photocatalytic experiment.

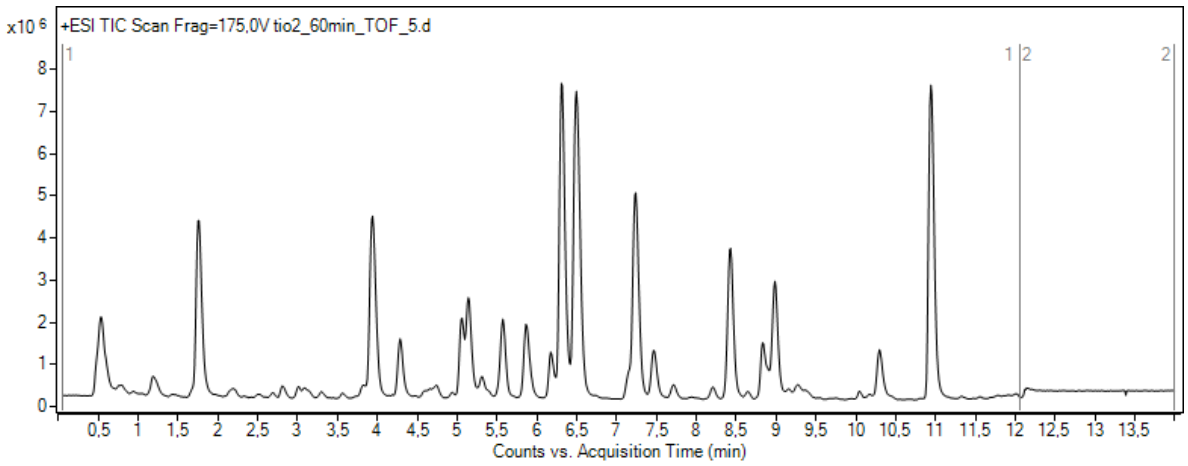

Figure S6. Overlay of the total ion current (TIC) from TiO_2 photocatalytic experiment.

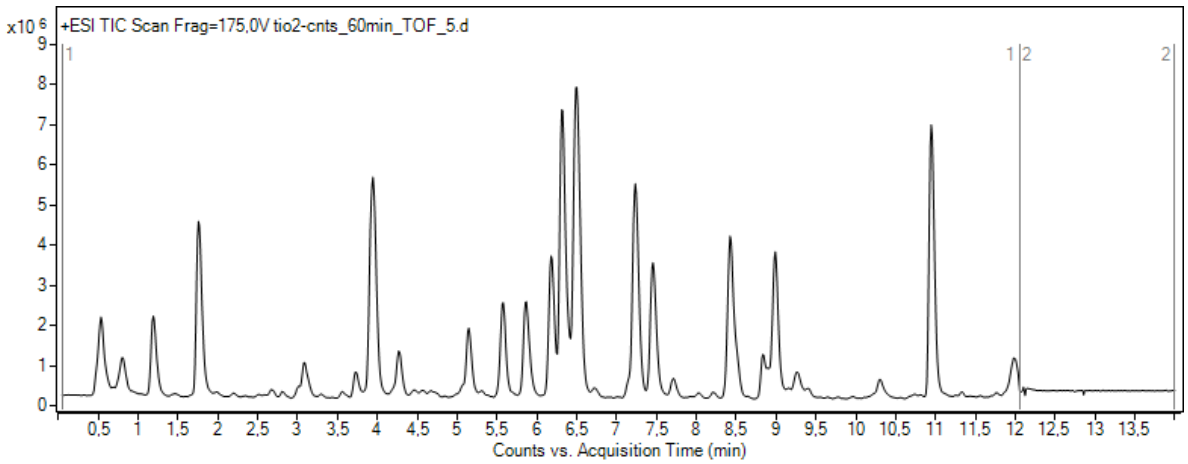

Figure S7. Overlay of the total ion current (TIC) from TiO_2 - CNTs photocatalytic experiment.

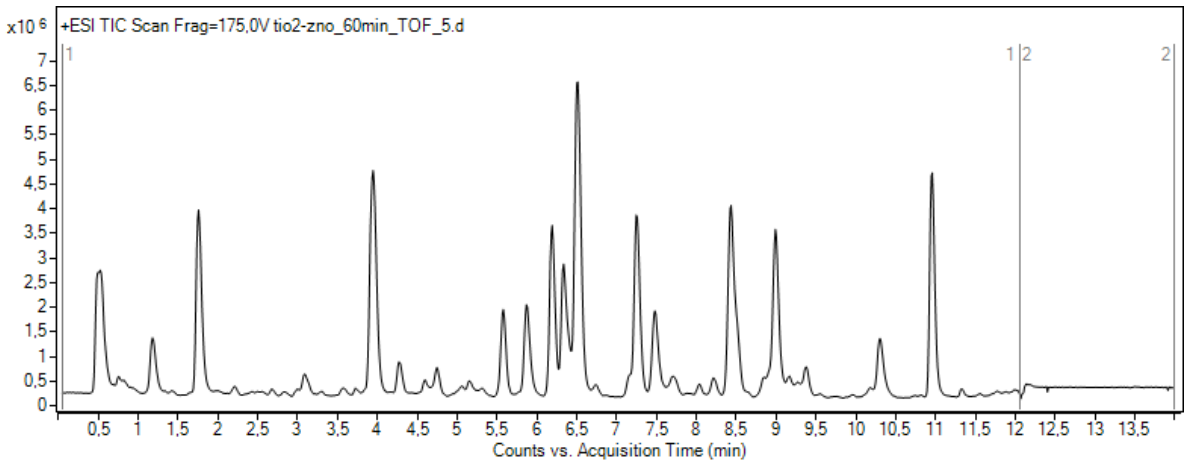

Figure S8. Overlay of the total ion current (TIC) from TiO_2 - ZnO photocatalytic experiment.

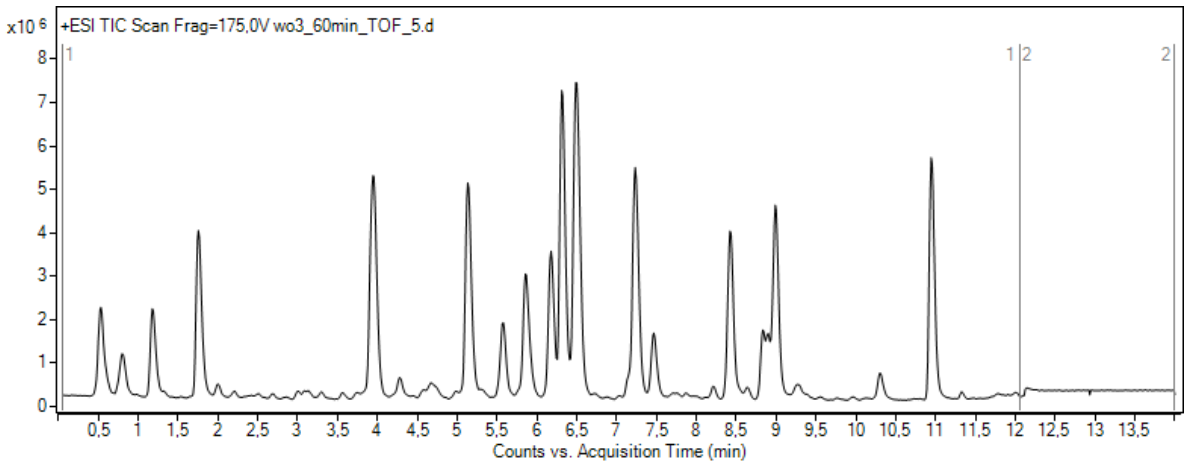

Figure S9. Overlay of the total ion current (TIC) from WO_3 photocatalytic experiment.

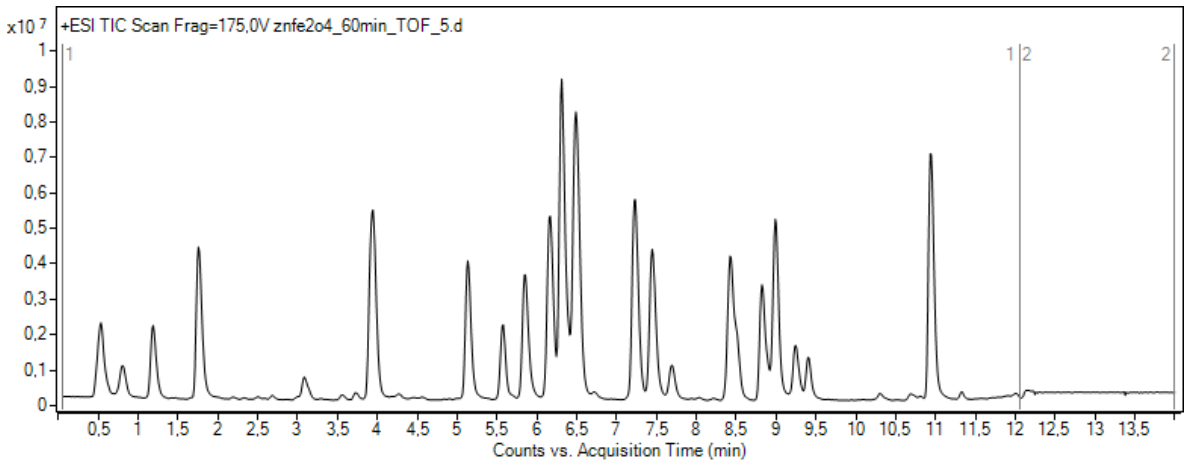

Figure S10. Overlay of the total ion current (TIC) from $ZnFe_2O_4$ photocatalytic experiment.

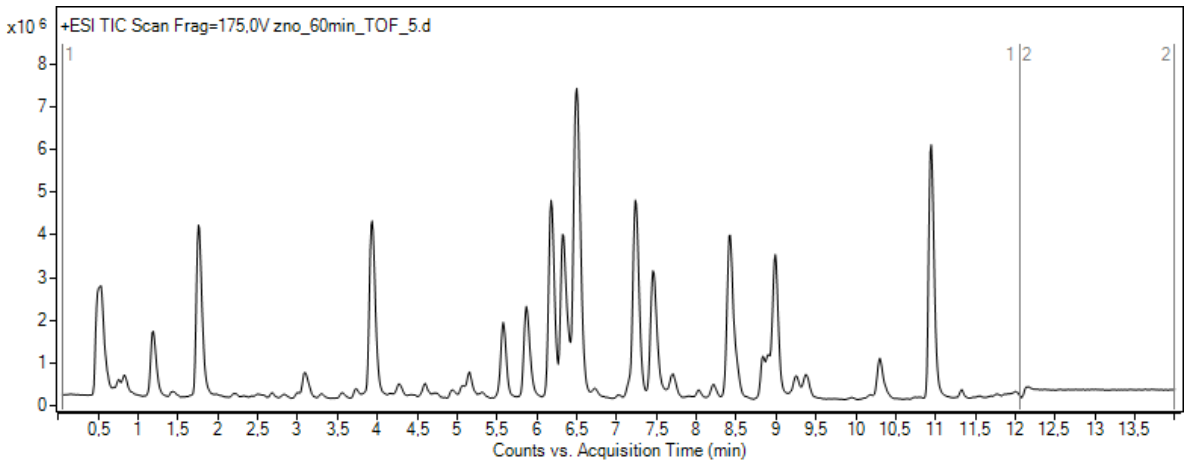

Figure S11. Overlay of the total ion current (TIC) from ZnO photocatalytic experiment.

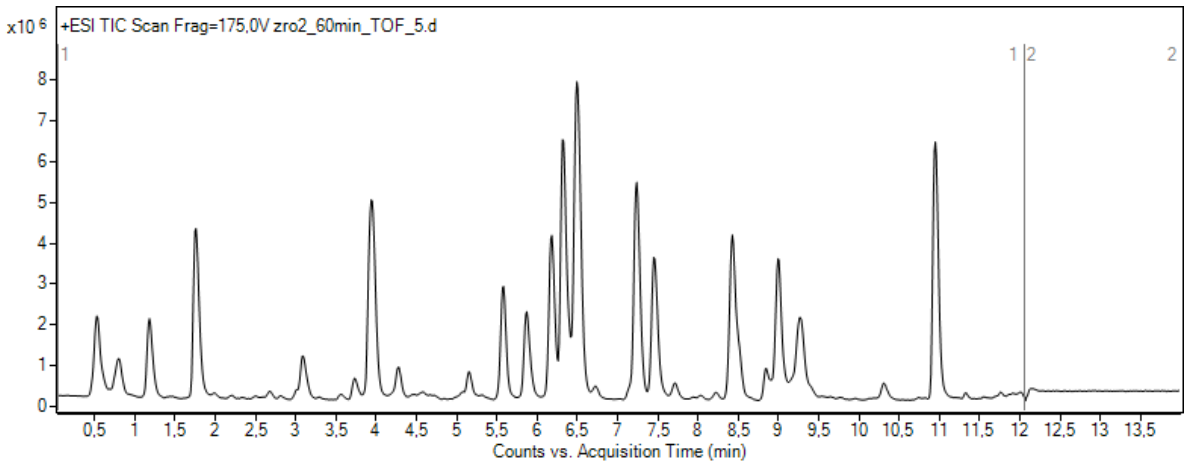

Figure S12. Overlay of the total ion current (TIC) from ZrO_2 photocatalytic experiment.

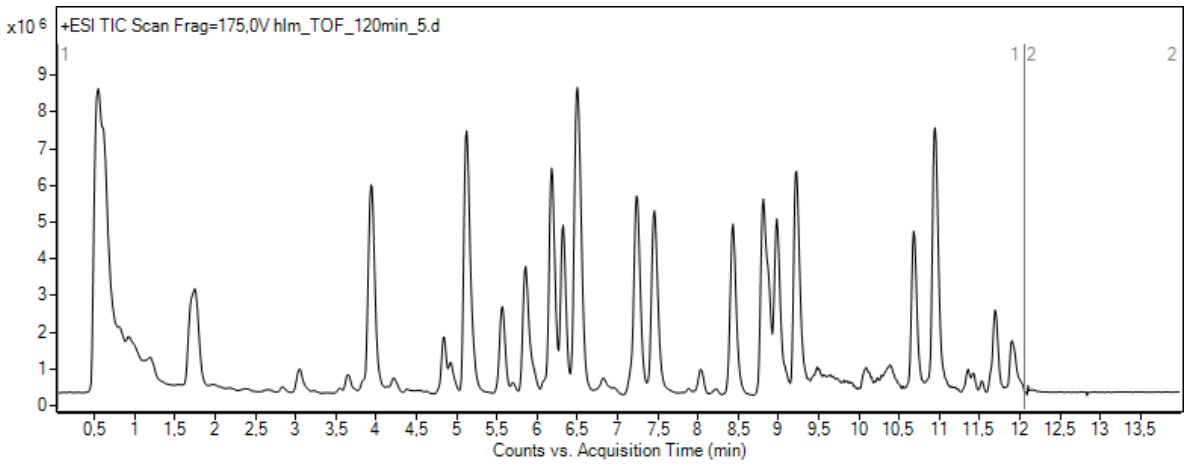

Figure S13. Overlay of the total ion current (TIC) from HLM incubation.

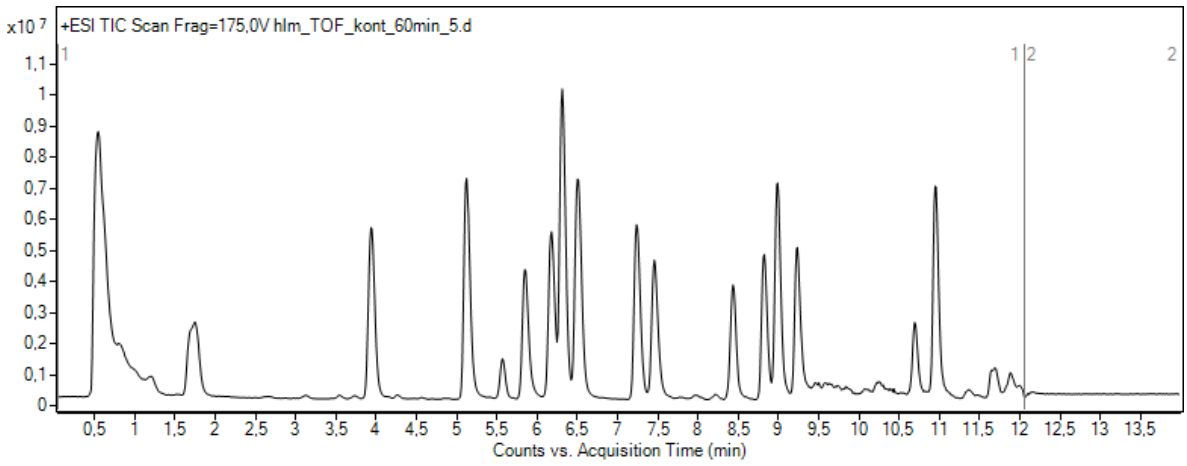

Figure S14. Overlay of the total ion current (TIC) from HLM control sample.

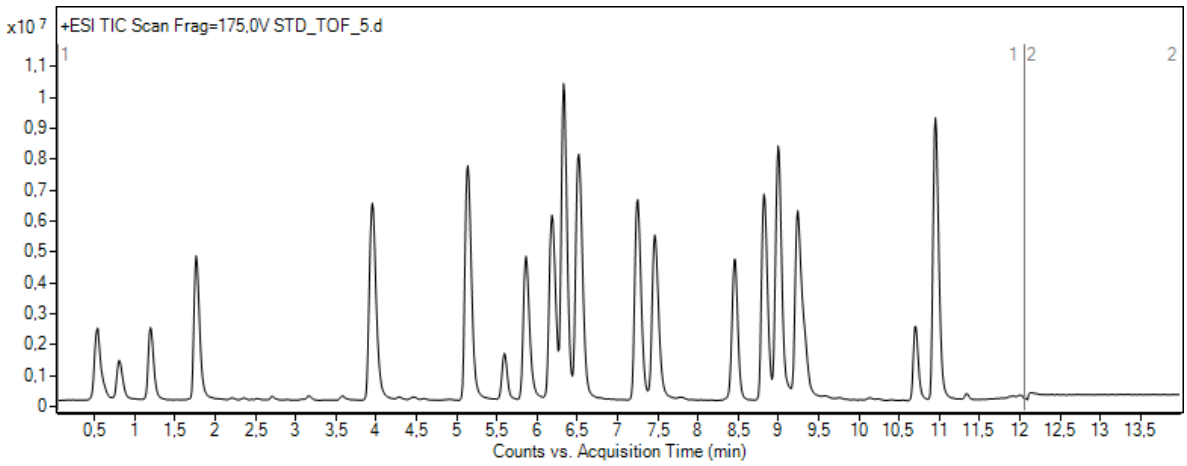

Figure S15. Overlay of the total ion current (TIC) from standard sample.

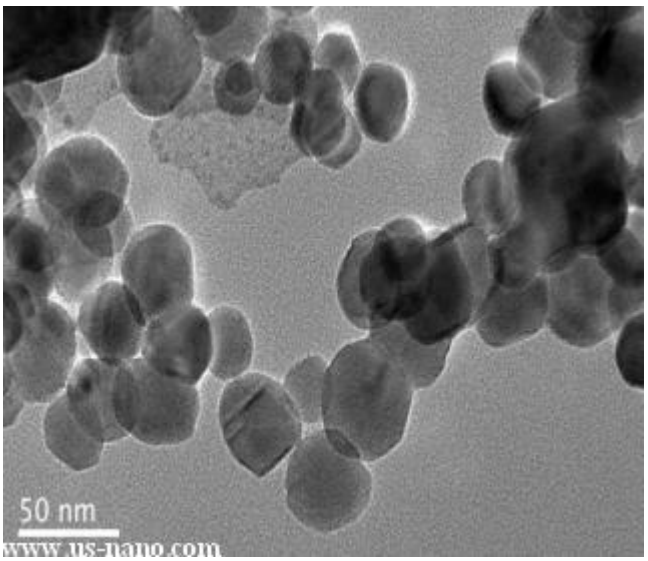

Figure S16. TEM image of Bi_2O_3.

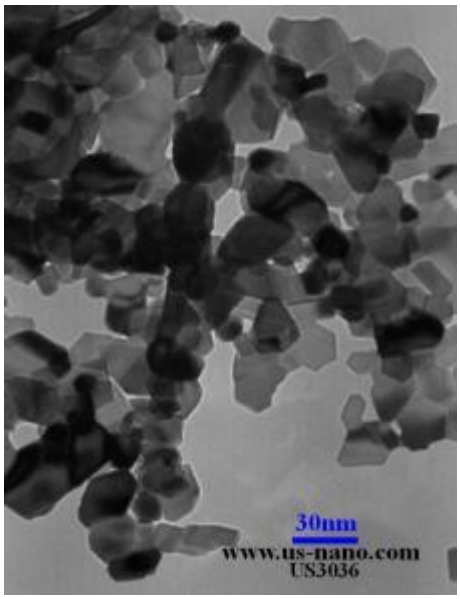

Figure S17. TEM image of CeO_2.

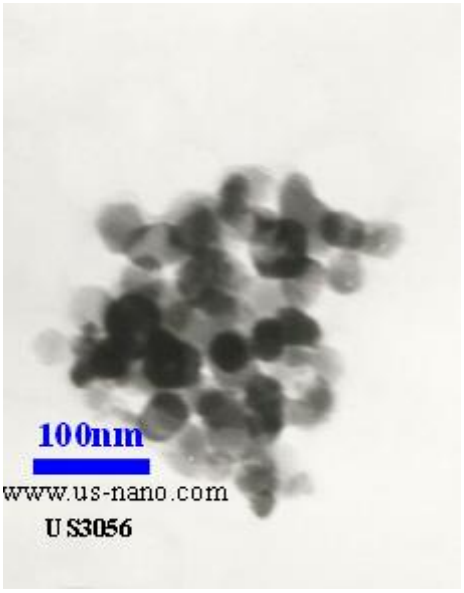

Figure S18. TEM image of Co_3O_4.

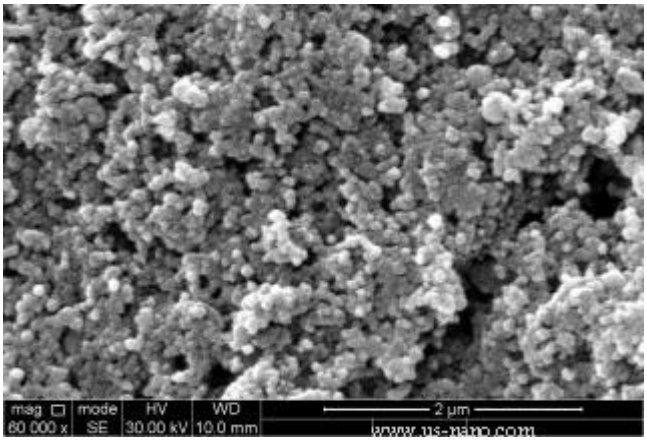

Figure S19. SEM image of Cu_2O.

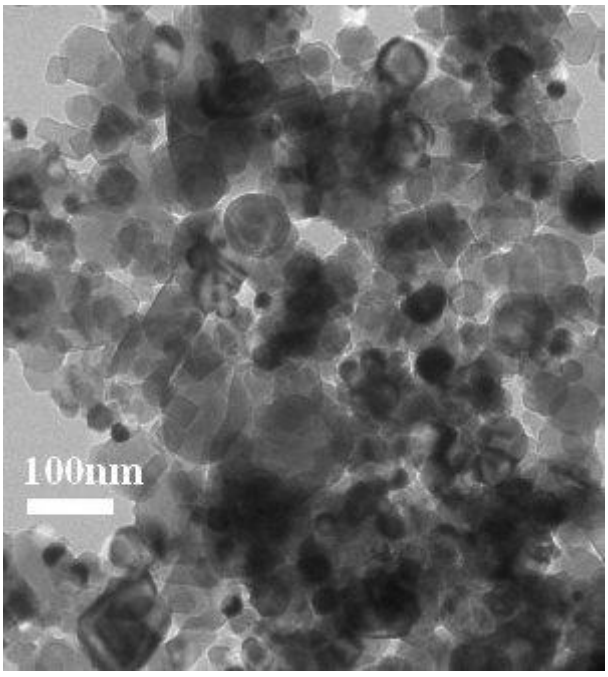

Figure S20. TEM image of $SrTiO_3$.

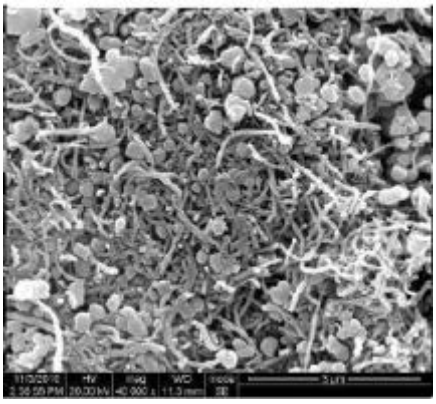

Figure S21. SEM image of TiO_2-CNTs.

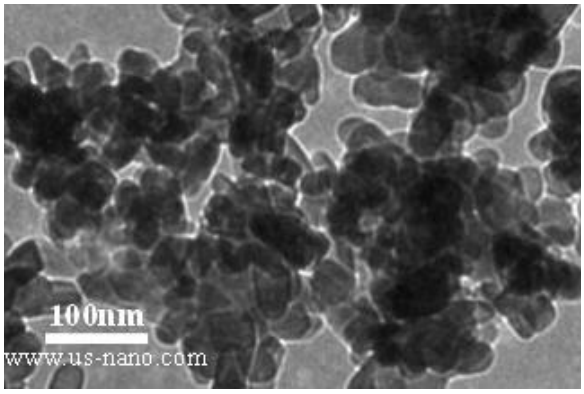

Figure S22. TEM image of TiO_2-ZnO.

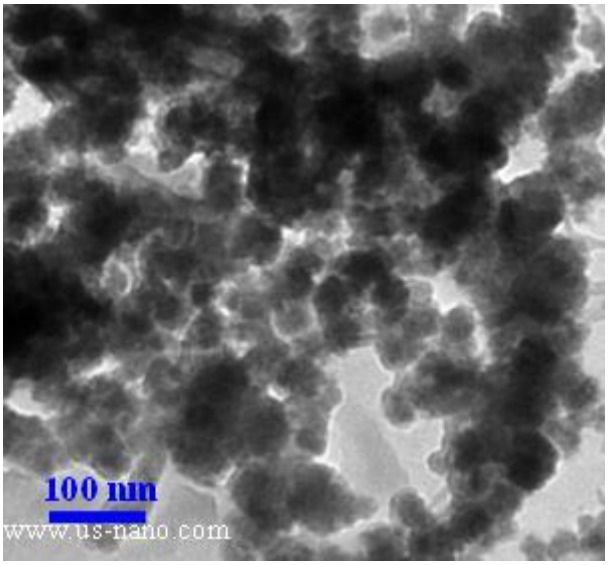

Figure S23. TEM image of $ZnFe_2O_4$.

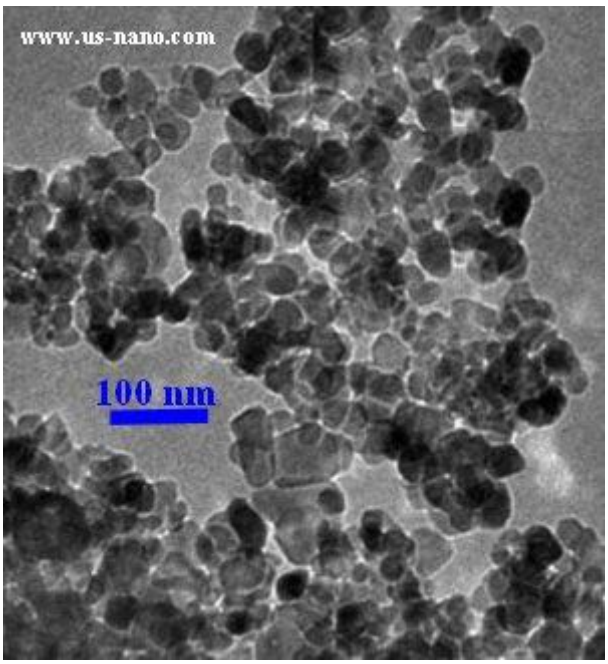

Figure S24. TEM image of ZrO_2.