

Figure S1- NO step feed: blank transient without catalyst (T=120°C)

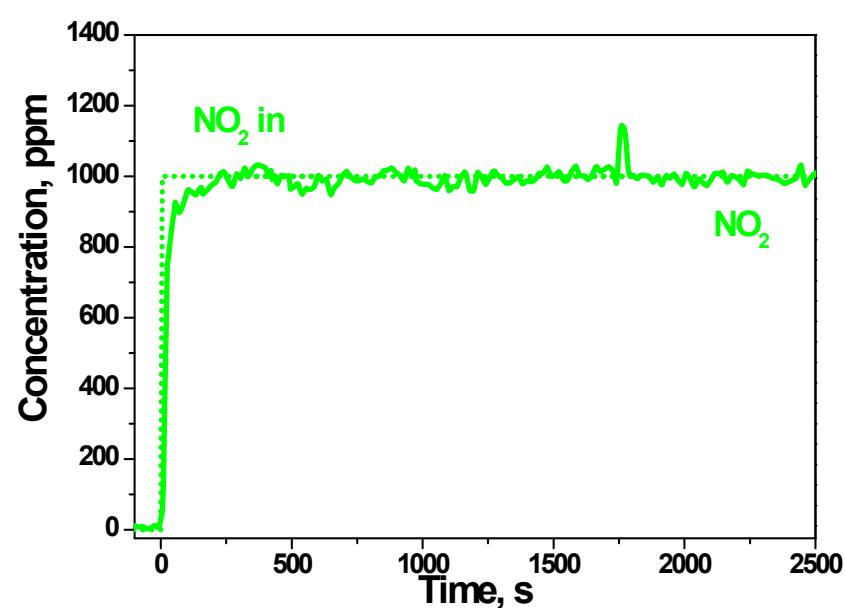


Figure S2- NO<sub>2</sub> step feed: blank transient without catalyst (T=120°C)

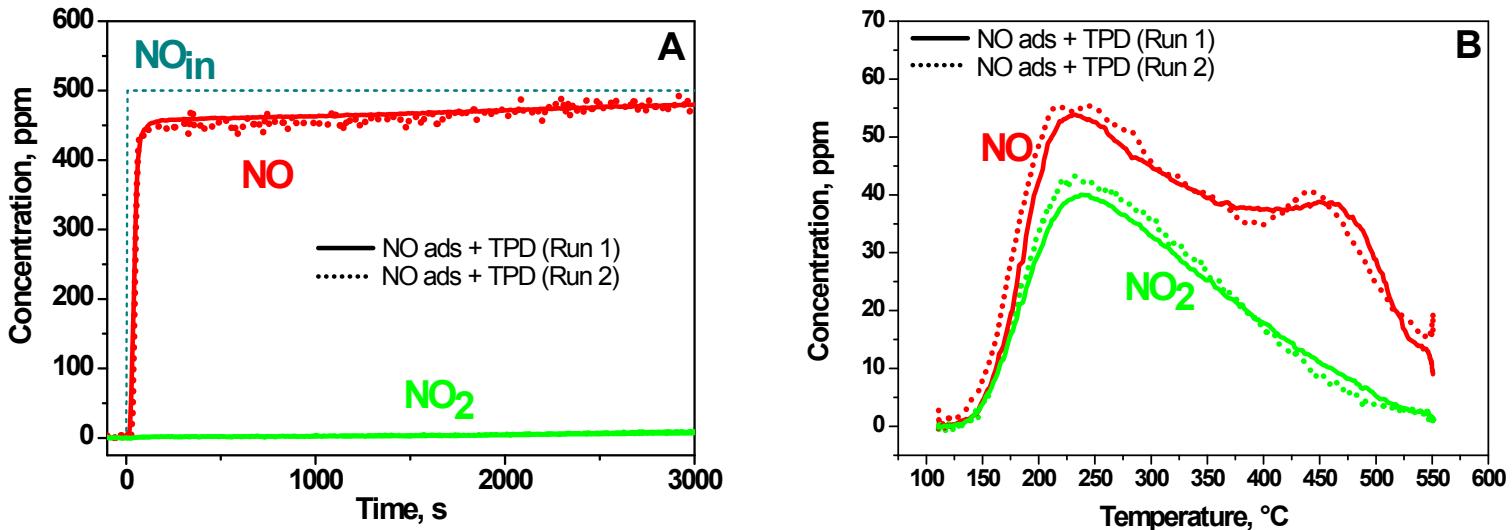


Figure S3- Reproducibility experiments: Fe-Ba-MM samples. NO+O<sub>2</sub> isothermal adsorption at 120 °C. Q=120 cm<sup>3</sup>/min (STP); feed: O<sub>2</sub>=8%; H<sub>2</sub>O=0%; CO<sub>2</sub>=0%; NO=500 ppm. (A) Adsorption phase (B) TPD phase.

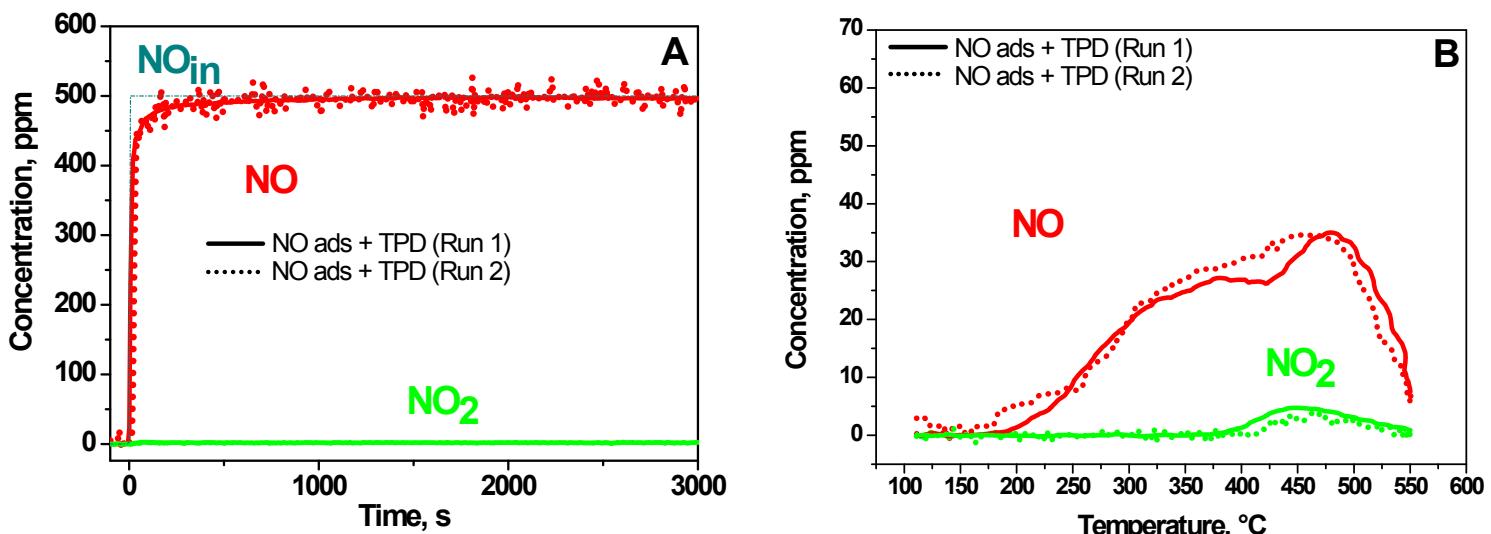


Figure S4- Reproducibility experiments: Fe-Ba-MM samples. NO+O<sub>2</sub> isothermal adsorption at 120 °C. Q=120 cm<sup>3</sup>/min (STP); feed: O<sub>2</sub>=8%; H<sub>2</sub>O=8%; CO<sub>2</sub>=0%; NO=500 ppm. (A) Adsorption phase (B) TPD phase.