

Spectral reconstruction of surface adsorbed species using band-target  
entropy minimization (BTEM). Application to CO and NO reaction  
over a Pt/ $\gamma$ -Al<sub>2</sub>O<sub>3</sub> catalyst using *in situ* DRIFT Spectroscopy

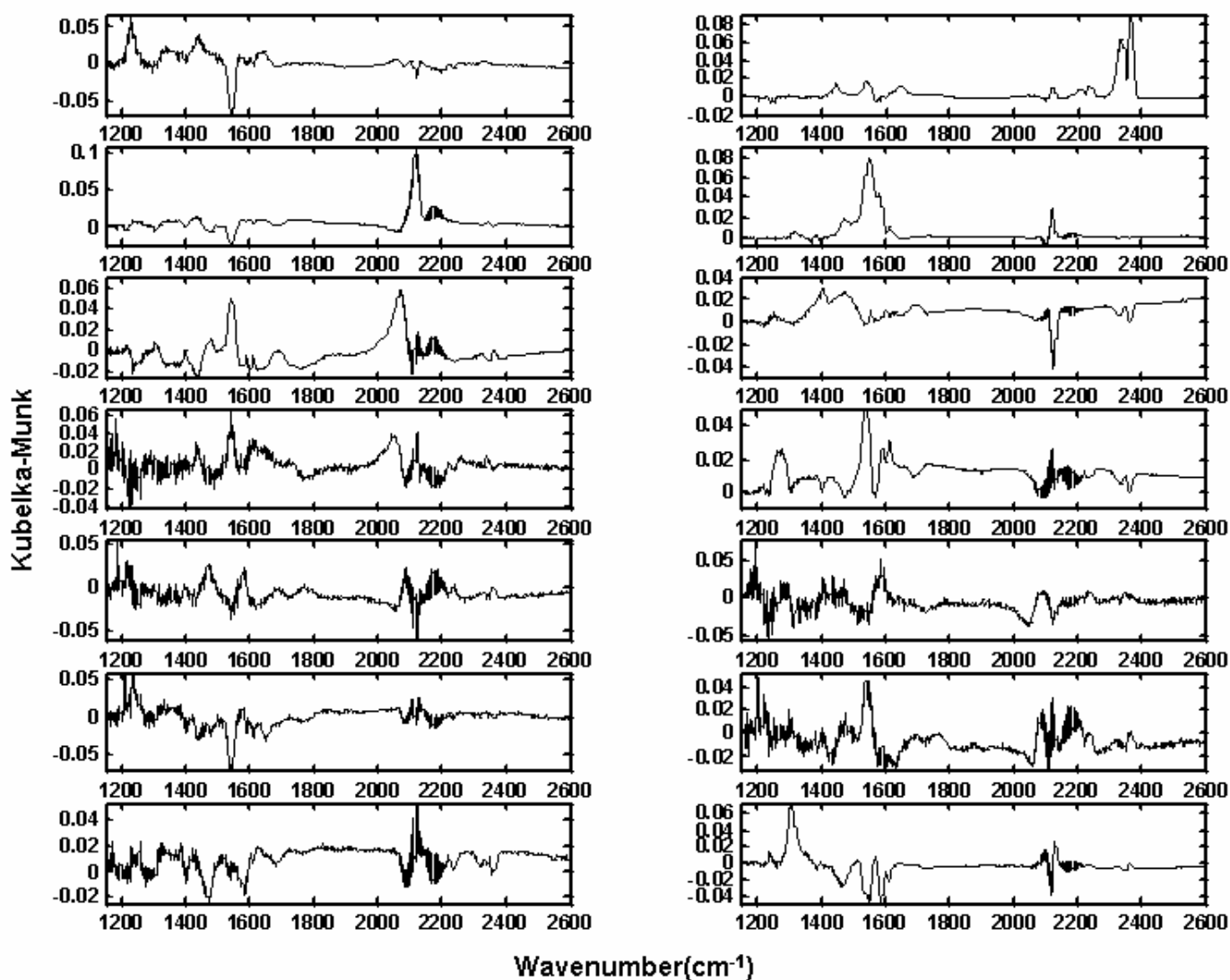


Fig. S.1. Pure component spectral reconstruction in the range 1150-4000 cm<sup>-1</sup> via SIMPLISMA

*Supplimentary Information*

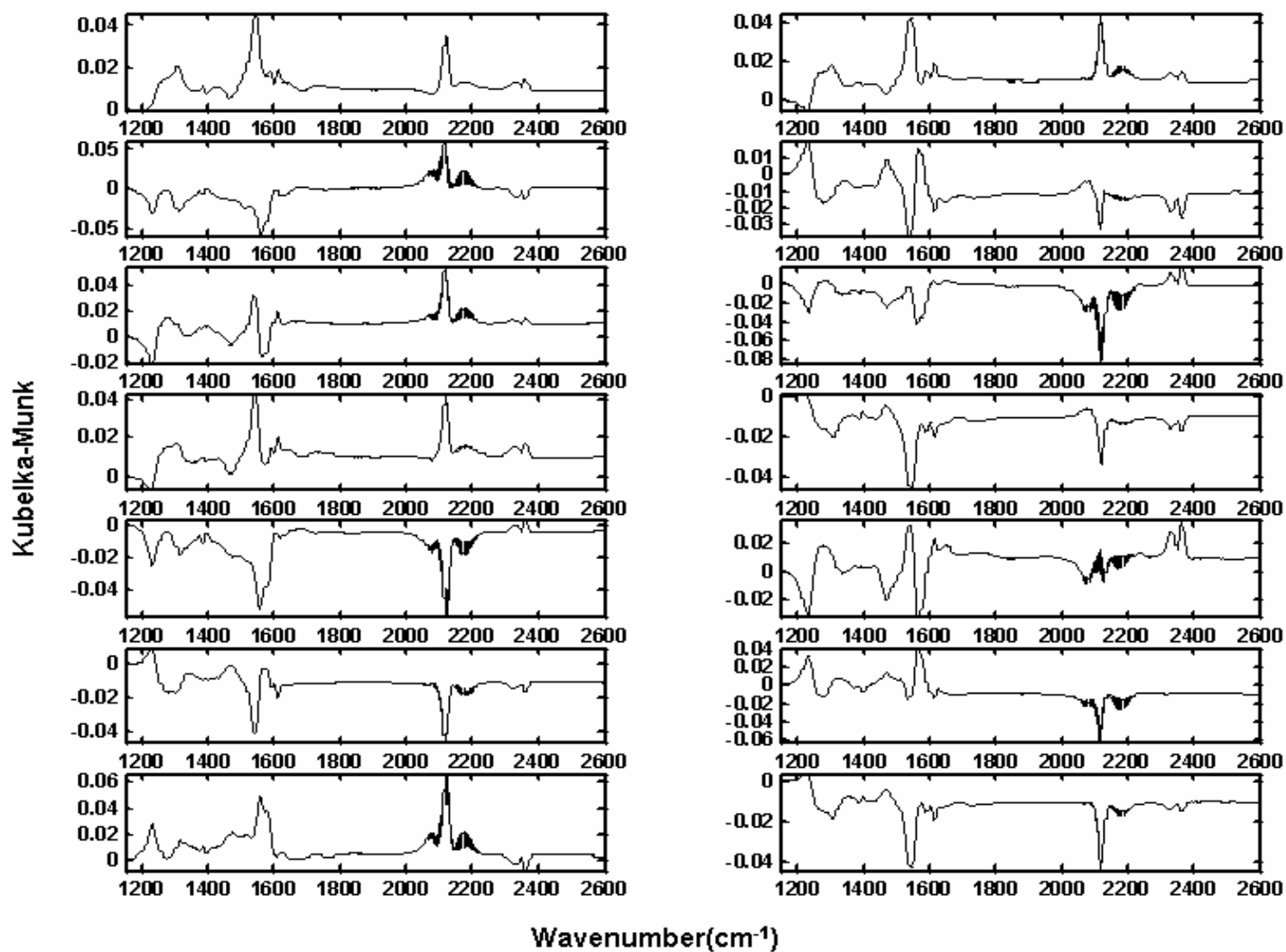


Fig. S.2. Pure component spectral reconstruction in the range 1150-4000 cm<sup>-1</sup> via IPCA