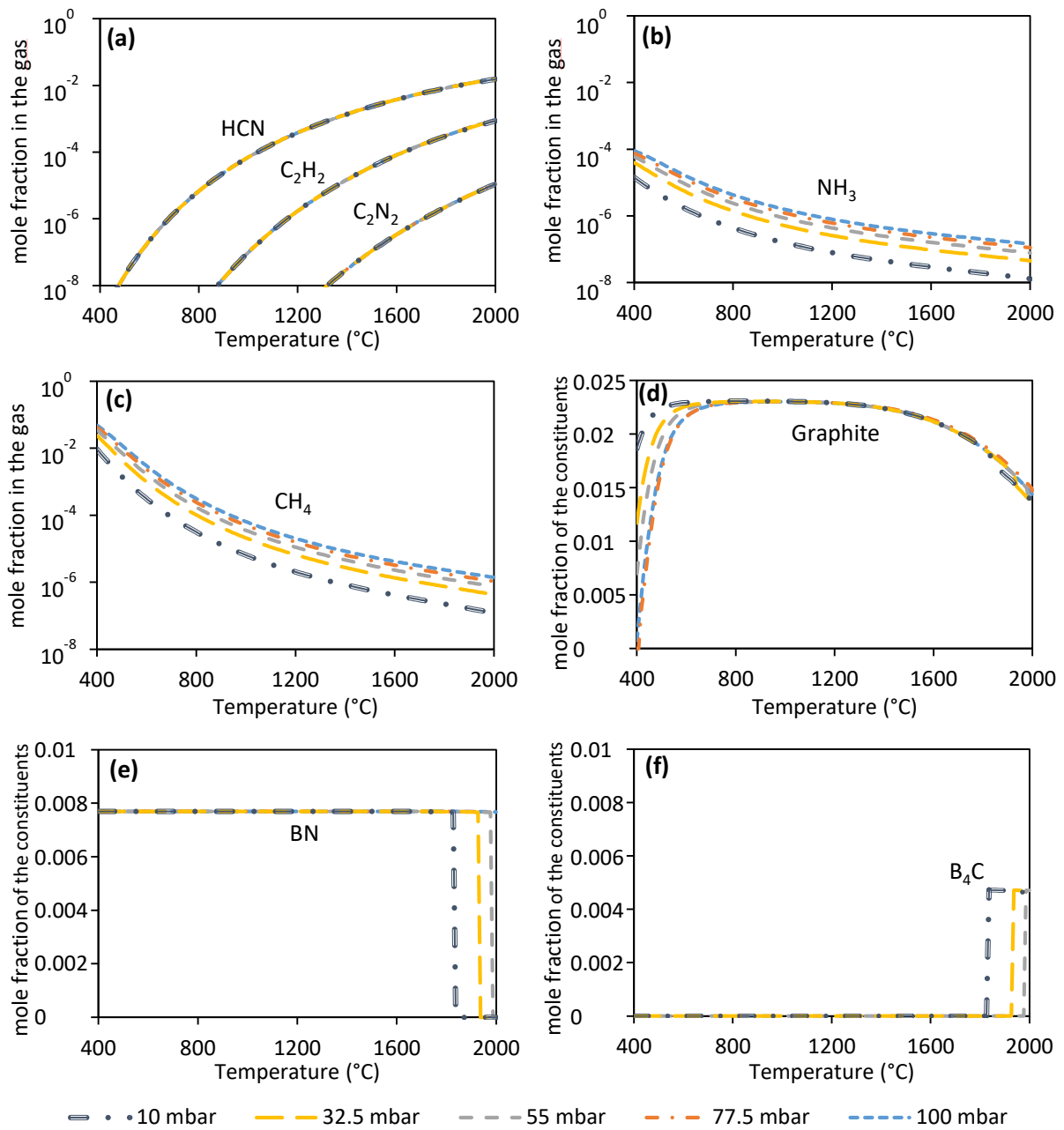


## Supplementary material



SupMat: (Supplement to section 2.1): – Effect of pressure on the mole fraction at thermodynamic equilibrium of the main gases (a), (b) and (c) and solid phases (d), (e) and (f) produced from TEAB/NH<sub>3</sub>/N<sub>2</sub> mixture (2.5 mol TEAB, 40 mol NH<sub>3</sub>, 212.5 mol N<sub>2</sub>)