



Figure S5. Analyzed ROP profiles of anthraquinone in the premixed flame of toluene. Red-solid, blue-solid, black-solid, black-dashed, green-solid, and orange-dotted lines represent R1, R2, R3a, R3b, R4, and temperature, respectively. Measured temperature data ^[4] for ethylbenzene premixed flame is used as input data and is shown for reference.