



Figure S9. Analyzed ROP profiles of anthraquinone in the premixed flame of 4-methylanisole. 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.