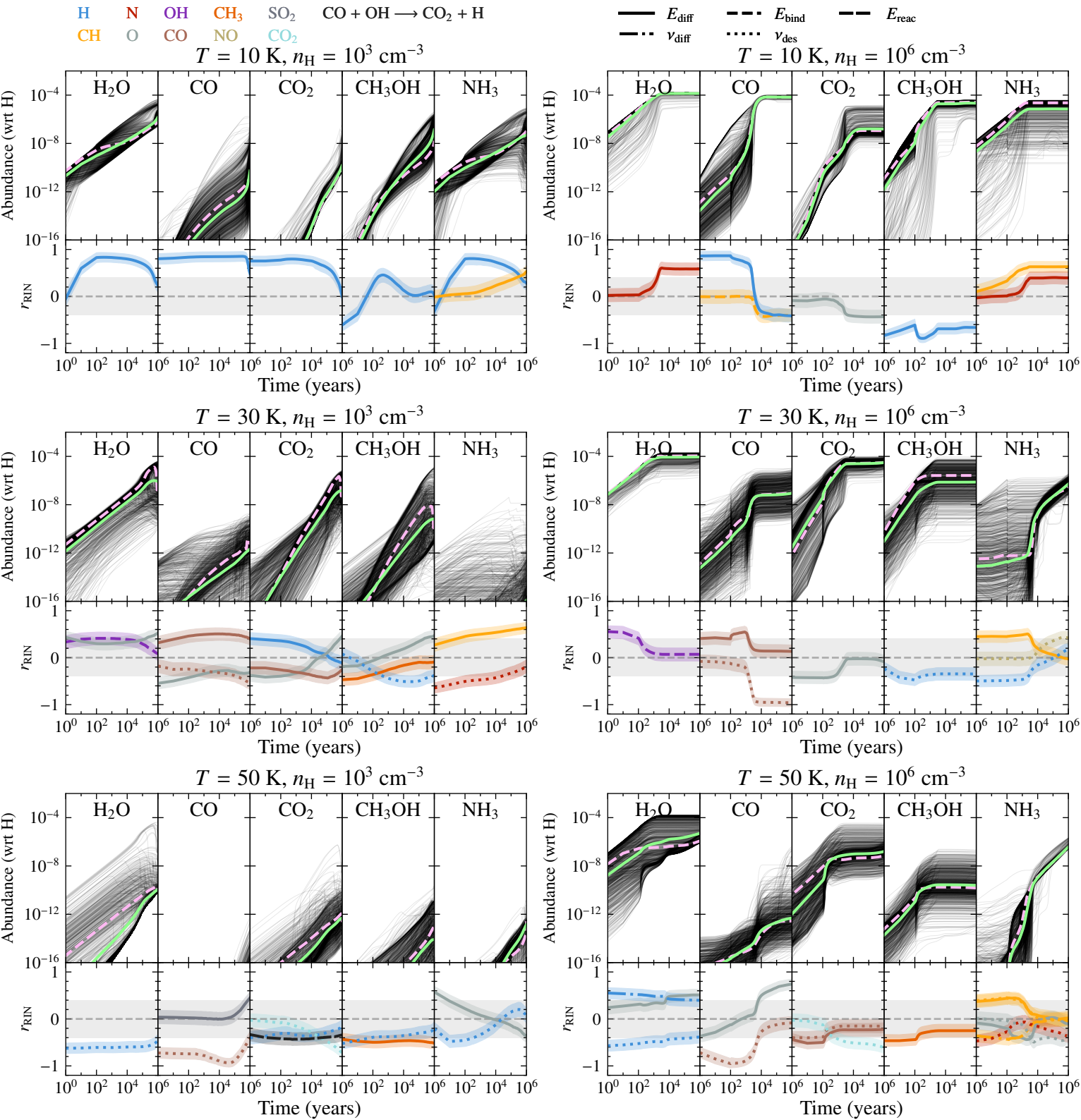
H
N
OH
CH3
SO2
CO + OH ⟶ CO2 + H
CH
O
CO
NO
CO2
Ediff
Ebind
Ereac
νdiff
νdes
T = 10 K, nH = 10^3 cm^-3
T = 10 K, nH = 10^6 cm^-3
T = 30 K, nH = 10^3 cm^-3
T = 30 K, nH = 10^6 cm^-3
T = 50 K, nH = 10^3 cm^-3
T = 50 K, nH = 10^6 cm^-3
H2O
CO
CO2
CH3OH
NH3
Abundance (wrt H)
rRIN
Time (years)