NRMSE vs. Ensemble size by method Training scenario: Abrupt(a) (b) Method I: Pattern Scaling Method III: Deconvolution High Emissions Noisy  $10^{7}$ Plateau Noiseless Overshoot  $10^{5}$  $10^{3}$ NRMSE (c) (d) Method IV: Modal Fitting Method V: DMD  $10^{7}$  $10^{5}$  $10^{3}$  $10^{1}$ 10 20 30 40 50 20 30 10 40 50 No. Ensemble Members