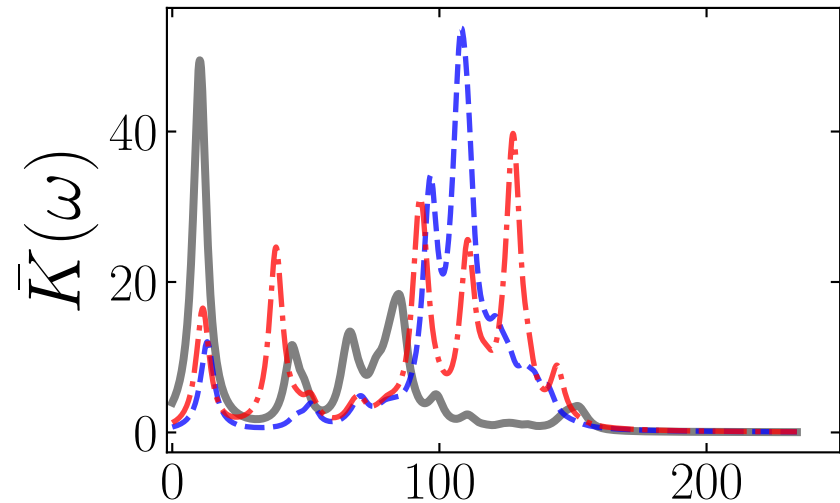
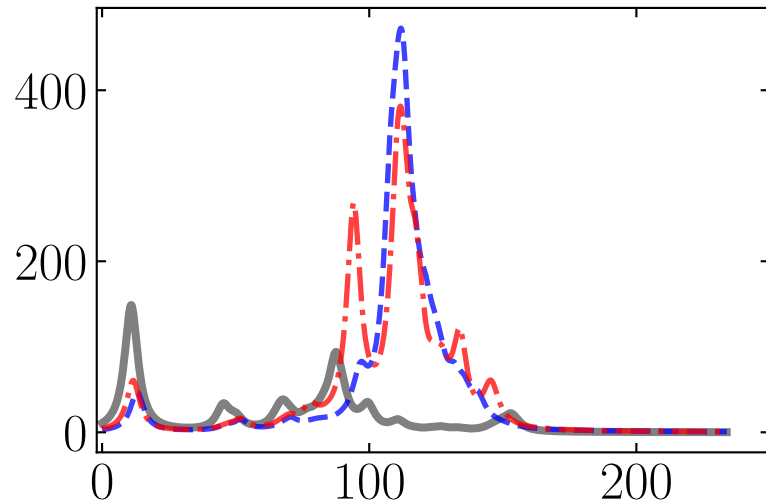


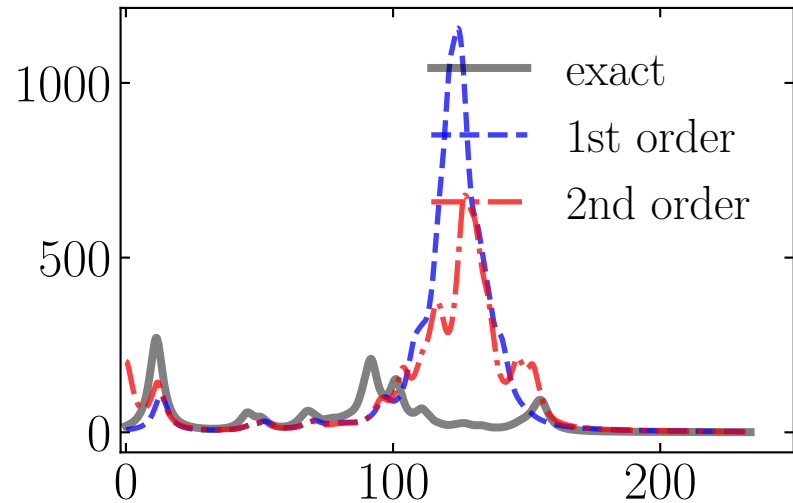
$$\omega_{as} = 350 \text{ cm}^{-1}$$
$$\tilde{\omega}_s = 159 \text{ cm}^{-1}$$



$$\omega_{as} = 400 \text{ cm}^{-1}$$
$$\tilde{\omega}_s = 173 \text{ cm}^{-1}$$



$$\omega_{as} = 450 \text{ cm}^{-1}$$
$$\tilde{\omega}_s = 188 \text{ cm}^{-1}$$



ω (cm⁻¹)