Fig. S1. Pressure spectra for fixed contact time constant $t = 2 \times 10^{-3}$ s and a range of damping parameters.
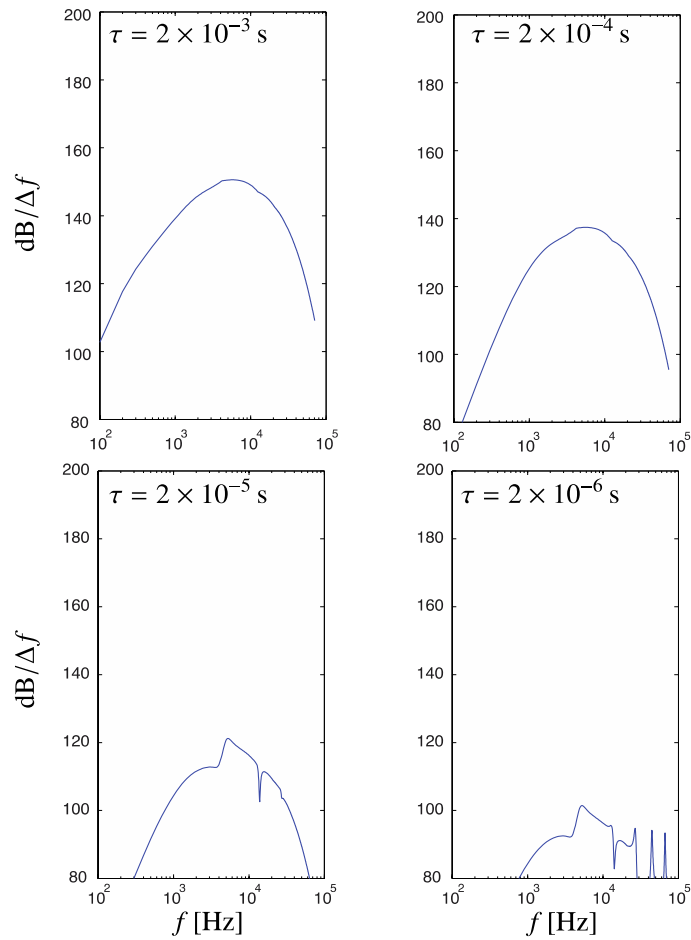
Fig. S2. Pressure spectra for fixed damping $\delta = 1 \times 10^4 \ \text{s}^{-1}$ and a range of contact time constants.