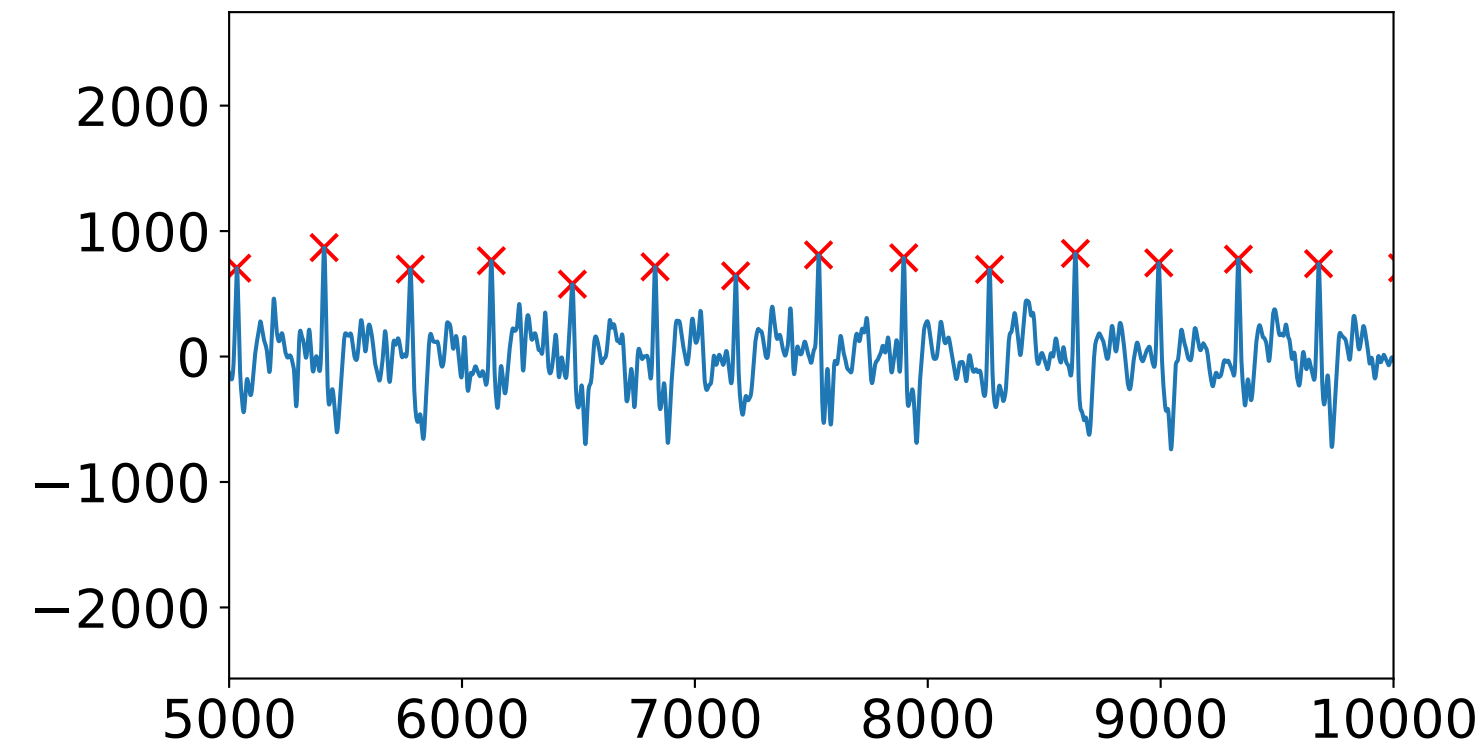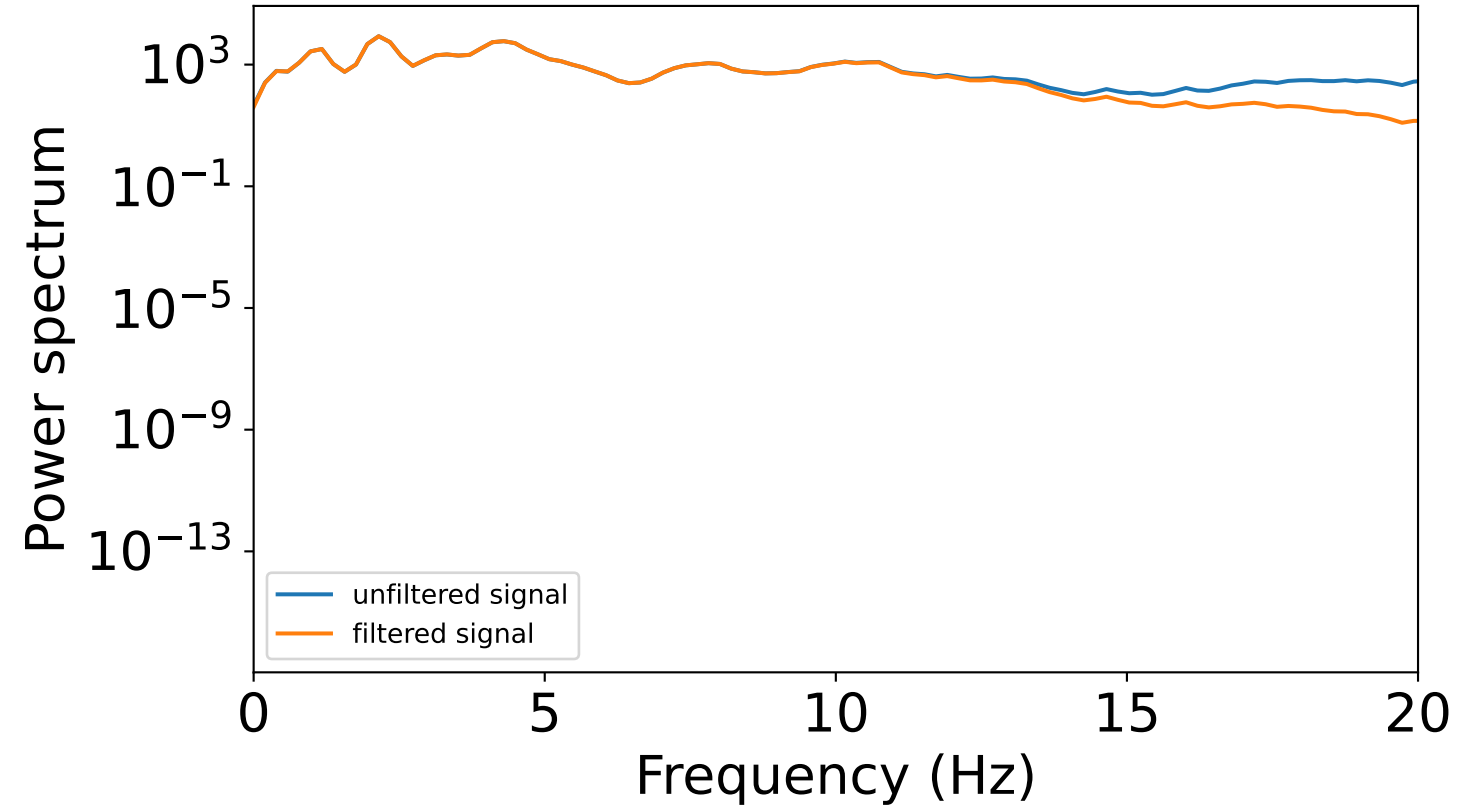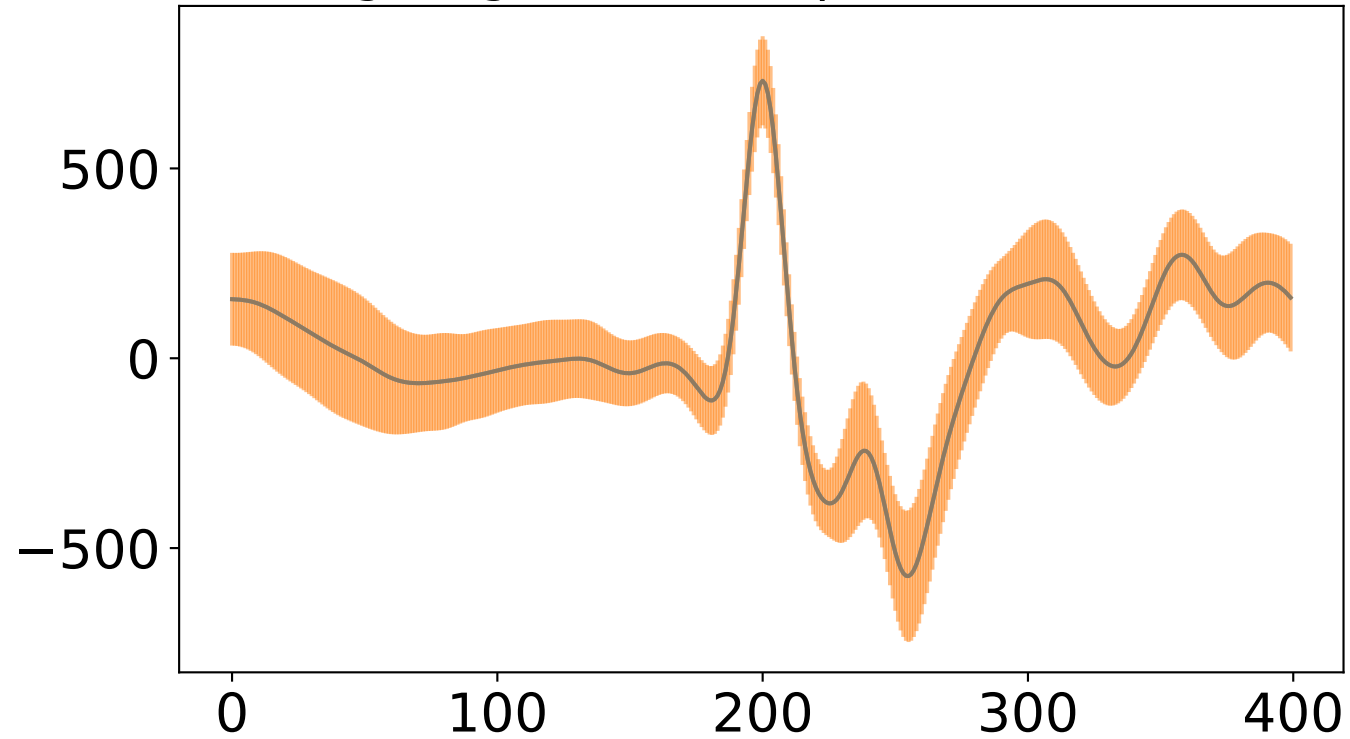Sample 1: E2 - E4, freq ranges: [0.1 - 15.0] Hz