

Fig. S1. Complete FTIR spectra of the synthetic samples used in this work.

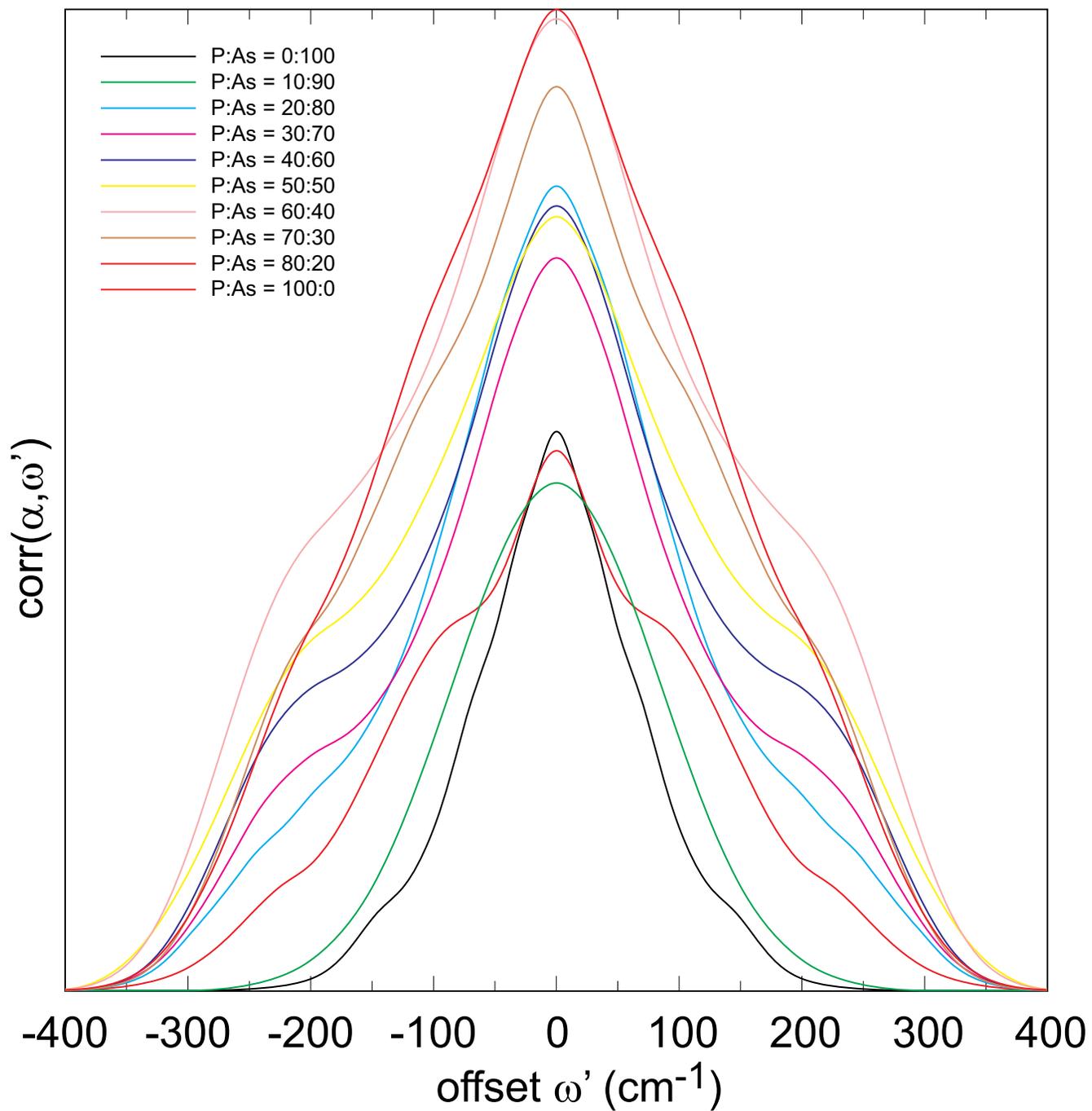


Fig. S2. Autocorrelation functions for all spectra acquired and processed in this work.

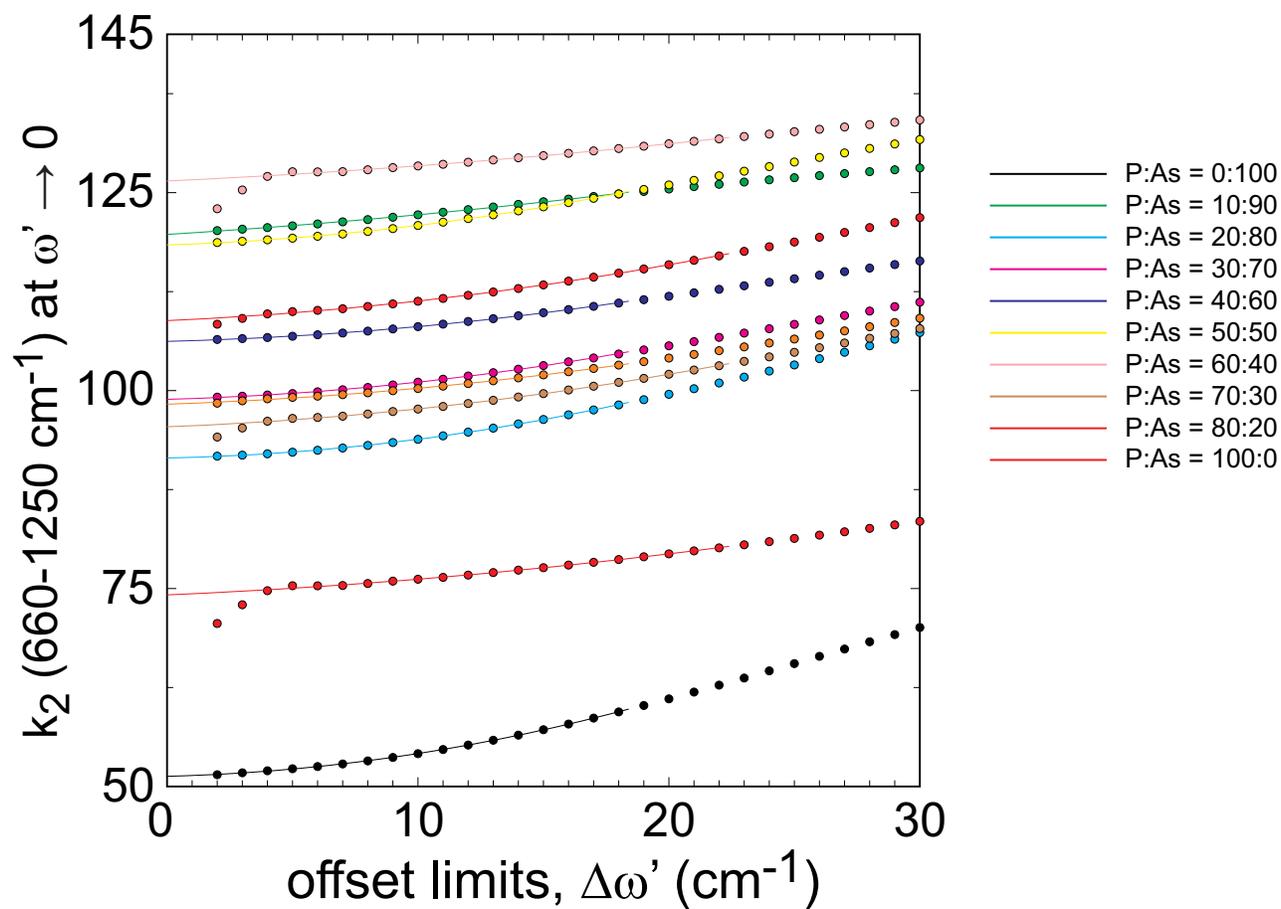


Fig. S3. Extrapolation of the k_2 values (defined by the Gaussian function) to an offset limit of 0 cm^{-1} .