

## Supplementary material

### Determination of p-amino hippuric acid with $\beta$ -Cyclodextrin sensitized fluorescence spectrometry.

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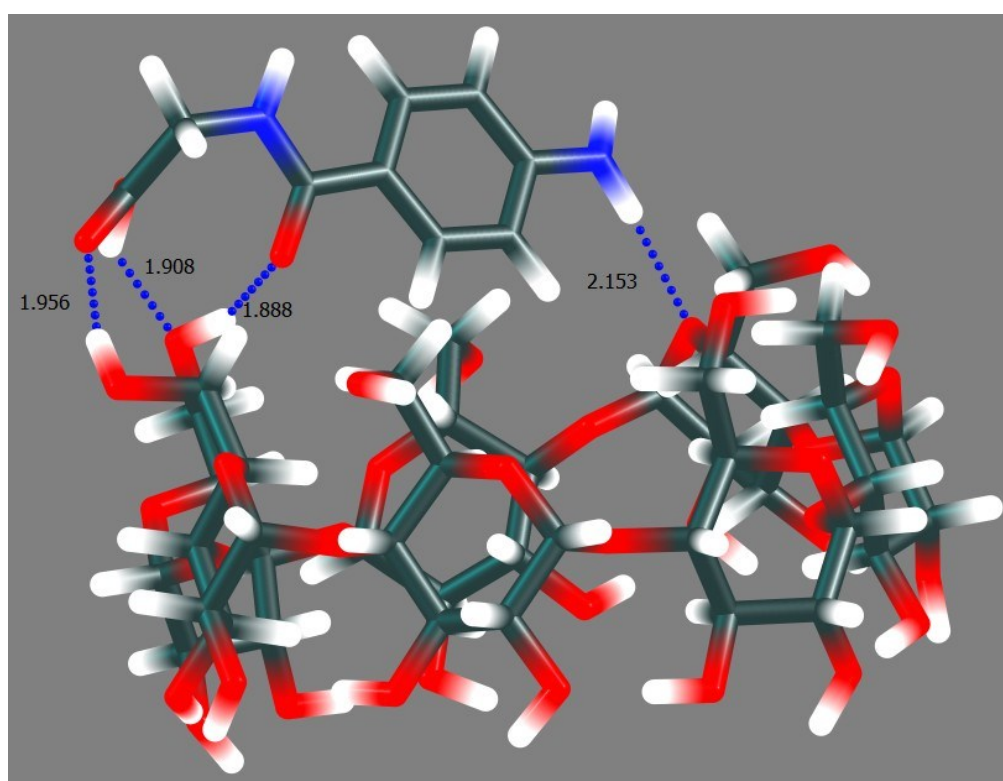


Figure 1S: Optimized gas-phase structure for interaction of PAH and  $\beta$ -CD with PAH outside  $\beta$ -CD cavity.

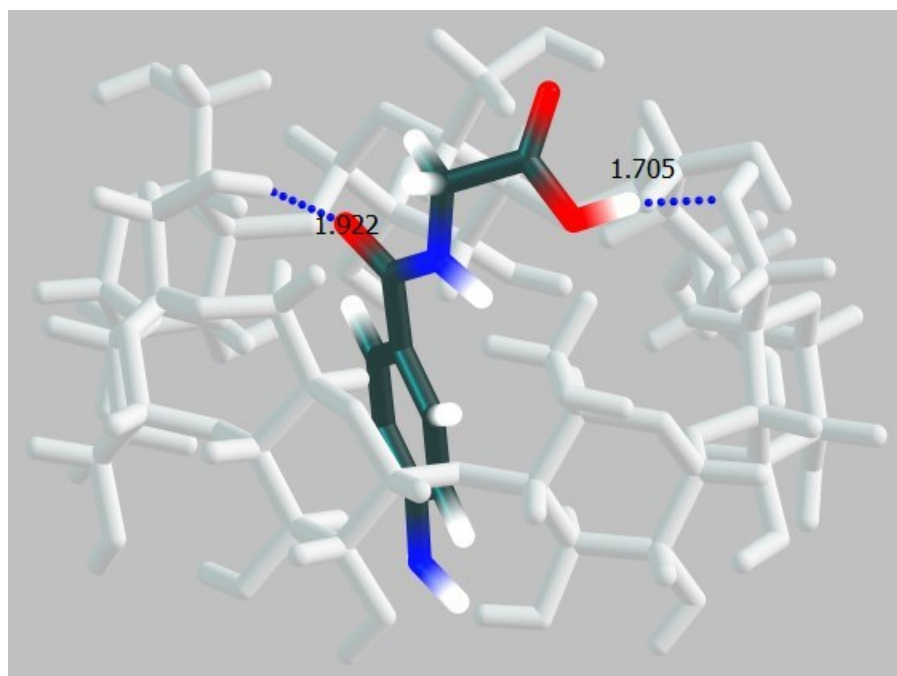
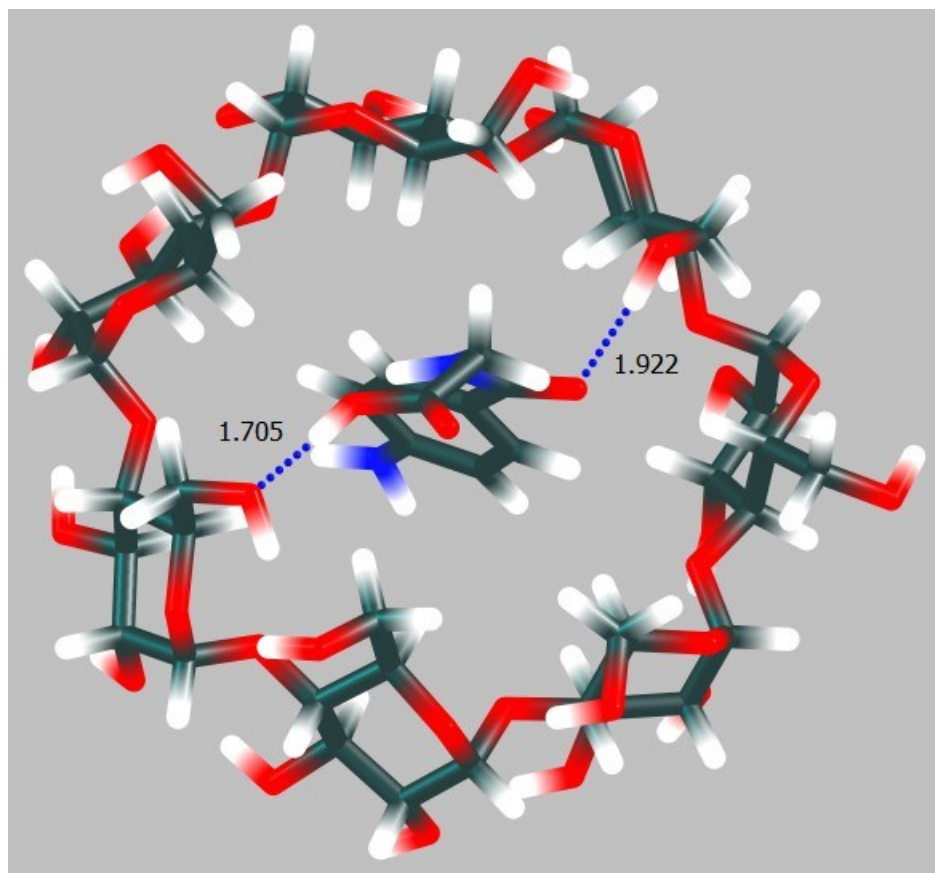


Figure 2S: Optimized gas-phase structure for interaction of PAH and  $\beta$ -CD with PAH inside  $\beta$ -CD cavity.

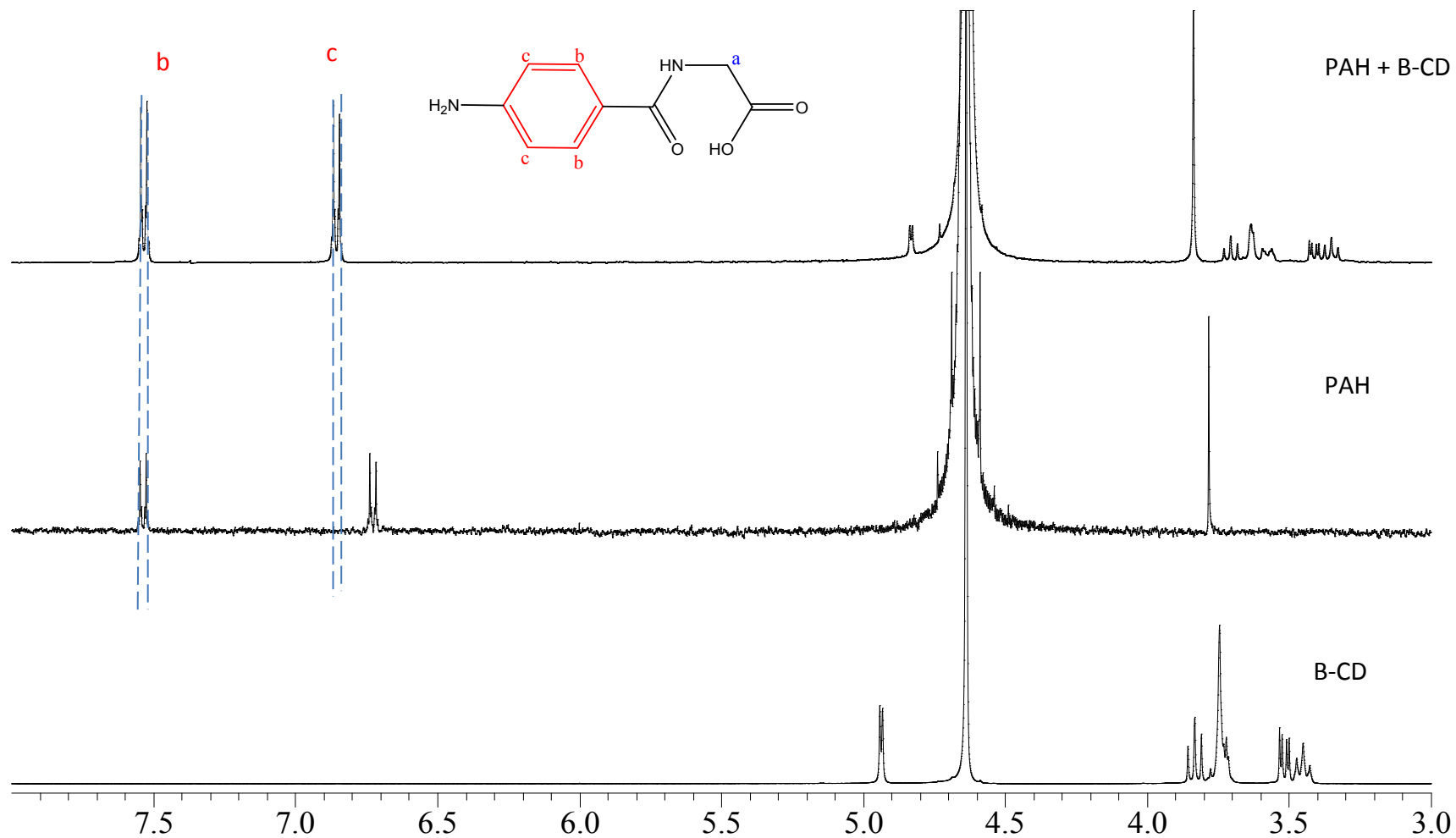


Figure 3S. NMR spectra of  $\beta$ -CD (10 mM), PAH (0.5 mM) and mixture of (0.5 mM PAH and 10mM  $\beta$ -CD), all solutions were prepared in D<sub>2</sub>O Solvent.