Supporting Information for

## Highly selective turn-on probe for H<sub>2</sub>S with imaging applications in *vitro* and in *vivo*

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Figure S1. <sup>1</sup>H-NMR spectra of compound 1-aminopyrene in DMSO-d<sub>6</sub>.



Figure S2.<sup>13</sup>C-NMR spectra of compound 1-aminopyrene in DMSO-d<sub>6</sub>.



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