

**Table S3** Precision of NBDSH peak area in 0.5 and 2 $\mu$ M H<sub>2</sub>S spiked plasma samples by derivatization with NBDCI in a normal and hypoxic reaction solvent (n=6)

group	Concentration ( $\mu$ M)	Mean NBDSH peak Area	RSD
normal reaction solvent	0.5	6584.169 $\pm$ 1108.020	16.83
	2	8429.254 $\pm$ 1519.258	18.02
hypoxic reaction solvent	0.5	8349.209 $\pm$ 599.105	7.18
	2	11544.858 $\pm$ 744.512	6.45