



Figure 2. Left: Mössbauer spectra of **1** obtained at  $T = 78, 150, 220, 270, 298$  and  $308$  K. The solid lines represent Lorentzian fits to the data with parameters listed in Table 1. Right: NFS spectra of the complex **1** at  $8$  K (black spheres) and simulation (red continuous line) performed using the CONUSS program, yielding a HS fraction of  $4.5 \pm 0.3\%$  with parameters mentioned in the text.

T (K)	$\delta^{LS}$ (mm/s)	$\delta^{HS}$ (mm/s)	$\Delta E_Q^{LS}$ (mm/s)	$\Delta E_Q^{HS}$ (mm/s)	Relative HS area (%)
78	0.51	1.18	0.37	3.47	19.6
150	0.50	1.16	0.34	3.37	19.7
220	0.47	1.10	0.31	3.18	22.6
270	0.45	1.07	0.29	2.96	23
298	0.44	1.04	0.23	2.80	37.8
308	0.44	1.04	0.10	2.76	63.6

Table 1. Parameters obtained from the Lorentzian analysis shown as red solid lines in Figure 2 (left). The superscripts refer to the LS and HS phases.

The results of the NIS experiments are shown in Figure 3. The first inspection of the experimental pDOS of **1** (Fig. 3b) reveals a clear difference compared to the pDOS of the