



Figure 50. Examples of proton and nitrogen HYSORE simulations: (a) HYSORE pulse sequence; (b) Proton HYSORE simulation. $g_{\text{iso}} = 2.0$, $A_{\parallel} = -18$ MHz, $A_{\perp} = 9$ MHz, $T_{2\text{Niso}} = 0.1$ MHz. Microwave ($\pi/2$) pulse length equals 16.0 nsec, and the delays d_0 , d_1 , and d_2 are 0.0, 40.0, and 200.0 nsec, respectively. dx , $dy = 16.0$ nsec, sx , $sy = 512$. Number of orientations equals 100. $B = 342.949$ mT and $= 9.6$ GHz. (c) Nitrogen HYSORE simulation. $g_{\text{iso}} = 2.0$, $A_{\text{Niso}} = 5$ MHz, $P = -1$ MHz, $T_{2\text{Niso}} = 0.1$ MHz. Microwave ($\pi/2$) pulse length equals 16.0 nsec and the delays d_0 , d_1 , and d_2 are 0.0, 160.0, and 0.0 nsec, respectively. dx , $dy = 48.0$ nsec, sx , $sy = 512$. Number of orientations equals 200. $B = 342.949$ mT and 9.6 GHz.