**Figure 1.** Response surface obtained for the CdS NCs synthesis as a function of the Emission maximum wavelength for $c_{\text{MHA}} = 15 \times 10^{-3}$ mol L$^{-1}$ and $T = 20$ °C.

**Figure 2.** Response surface obtained for the CdS NCs synthesis as a function of the full width at half maximum for $c_{\text{MHA}} = 15 \times 10^{-3}$ mol L$^{-1}$ and $T = 20$ °C.