$$\mathcal{L}_{s\to t}\left[\ \exp\ \left(-2b_M\sqrt{s}\right)\right]=\frac{b_M\ e^{-\frac{b_m^2}{t}}}{\sqrt{\pi t^3}},$$

$$\mathcal{L}_{s\to t}\left[s^{-\frac{4+\alpha}{4(2+\alpha)}}\right]=\frac{t^{\frac{4+\alpha}{4(2+\alpha)}-1}}{\Gamma\left(\frac{4+\alpha}{4(2+\alpha)}\right)},$$