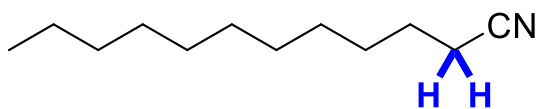
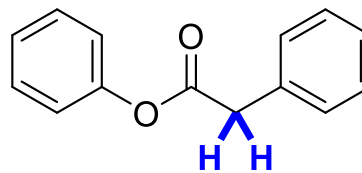


Dodecanenitrile (distilled) + Benzyl benzoate (^1H NMR, 500 MHz, CDCl_3)



$\text{mg}_{\text{CN}} = 18.6 \text{ mg}$



$\text{mg}_{\text{STD}} = 21.4 \text{ mg}$

$P_{\text{STD}} = 1.000$

$$\text{wt}\%_{\text{CN}} = \frac{102.27 \cdot 2 \cdot 21.4 \text{ mg} \cdot 181.32 \text{ g}\cdot\text{mol}^{-1}}{100.00 \cdot 2 \cdot 18.6 \text{ mg} \cdot 212.25 \text{ g}\cdot\text{mol}^{-1}} \cdot 1.000$$

$$= 100.5\%$$

