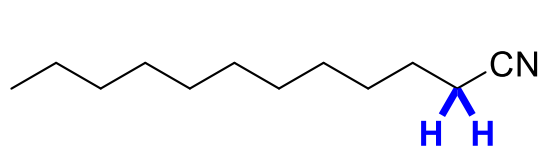
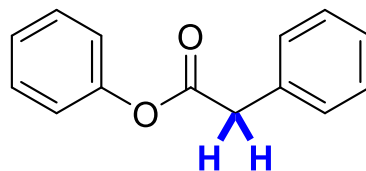


Dodecanenitrile (*crude*) + Benzyl benzoate (1H NMR, 500 MHz, $CDCl_3$)



$$mg_{CN} = 18.9 \text{ mg}$$



$$mg_{STD} = 21.2 \text{ mg}$$

$$P_{STD} = 1.000$$

$$wt\%_{CN} = \frac{101.09 \cdot 2 \cdot 21.2 \text{ mg} \cdot 181.32 \text{ g} \cdot \text{mol}^{-1}}{100.00 \cdot 2 \cdot 18.9 \text{ mg} \cdot 212.25 \text{ g} \cdot \text{mol}^{-1}} \cdot 1.000$$
$$= 96.9\%$$

