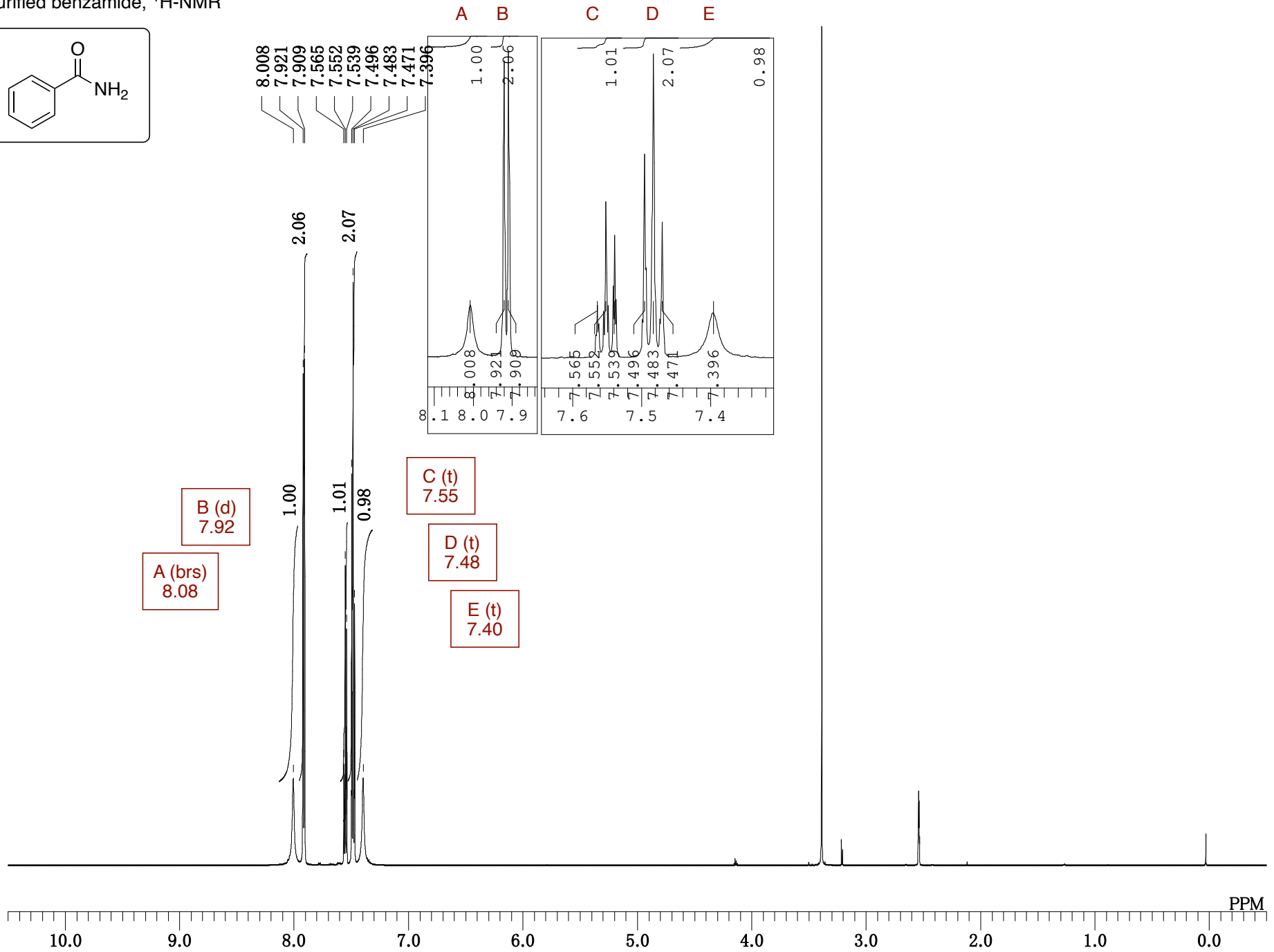
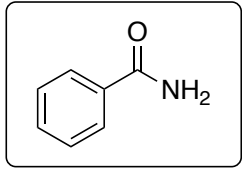
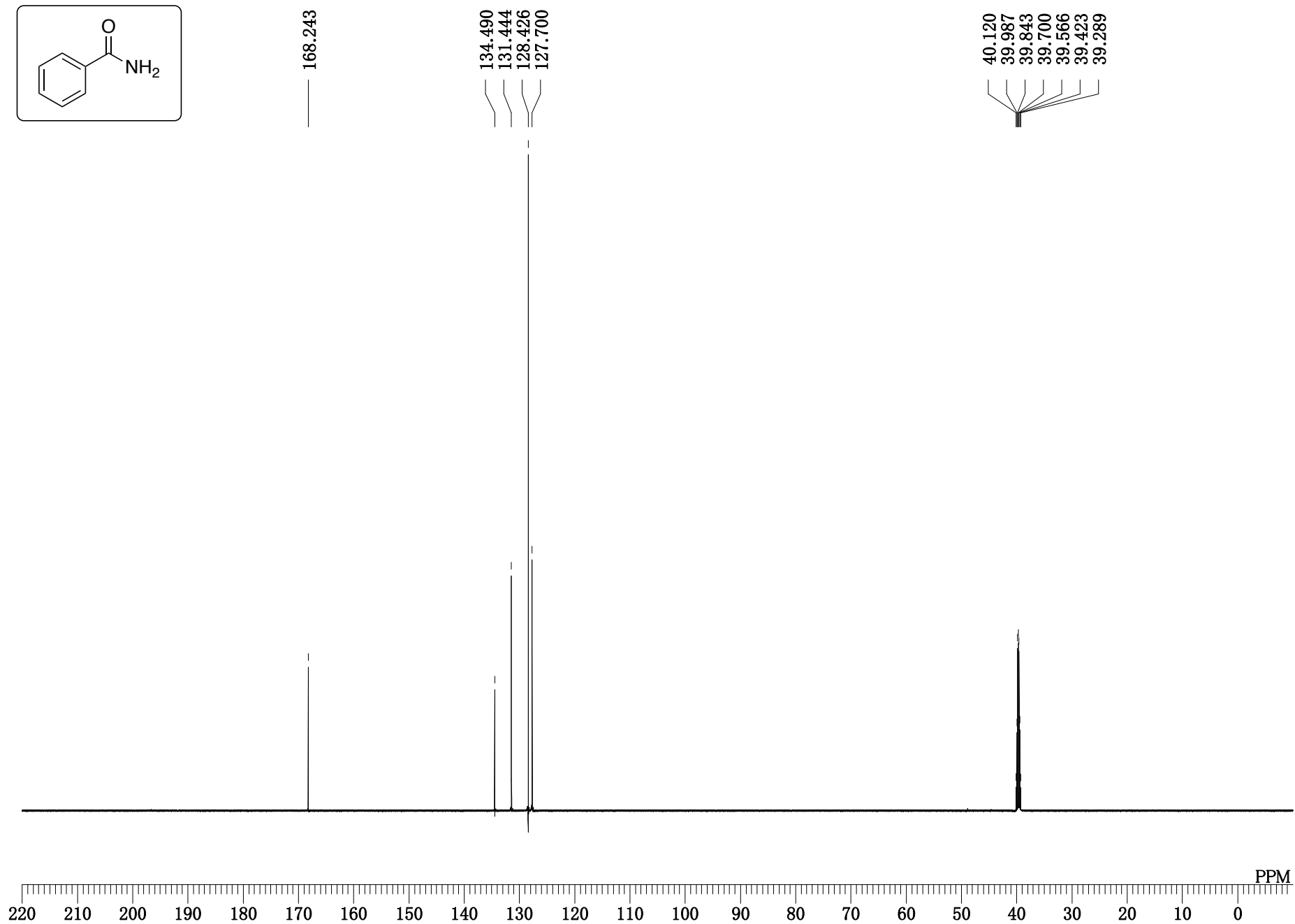
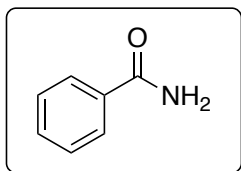


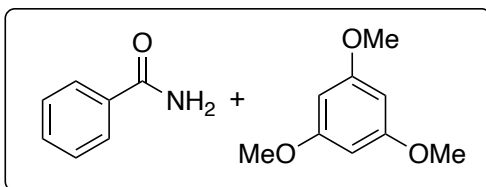
purified benzamide, ¹H-NMR



purified benzamide, ^{13}C -NMR



¹H-QNMR for purified benzamide



$$\frac{MW_{\text{sample}}}{\text{mass}_{\text{sample}}} \cdot \frac{I_{\text{sample}}}{nH_{\text{sample}}} \cdot \frac{\text{mass}_{IS}}{MW_{IS}} \cdot \frac{nH_{IS}}{I_{IS}} \cdot 100\% = \% \text{ QNMR purity}$$

$$\frac{121.14 \text{ mg/mmol}}{15.2 \text{ mg}} \cdot \frac{1.36}{1} \cdot \frac{15.4 \text{ mg}}{168.19 \text{ mg/mmol}} \cdot \frac{3}{3} \cdot 100\% = 99.2\%$$

1,3,5-trimethoxybenzene = 15.4 mg
benzamide = 15.2 mg
99.2% pure

