# Experiment 5: Reduction of *p*-Nitrophenol to *p*-Aminophenol

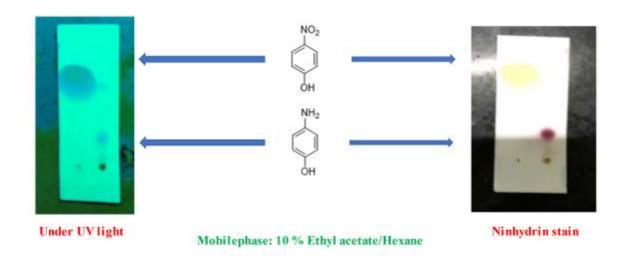
Name: Vidhi Shah

Reg. No.: 21BCE1297

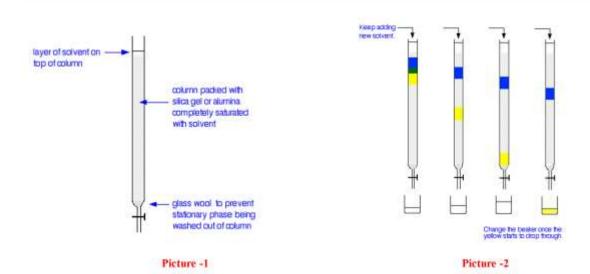
**Slot:** L11-L12

Date: 09/11/21

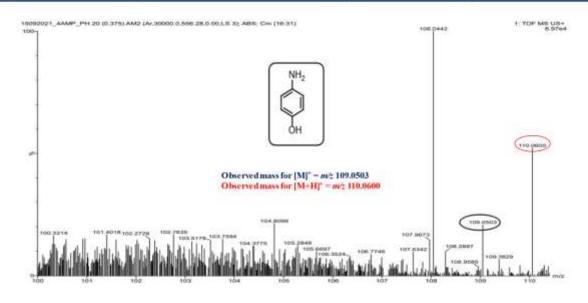
# Thin Layer Chromatography (TLC) Observation

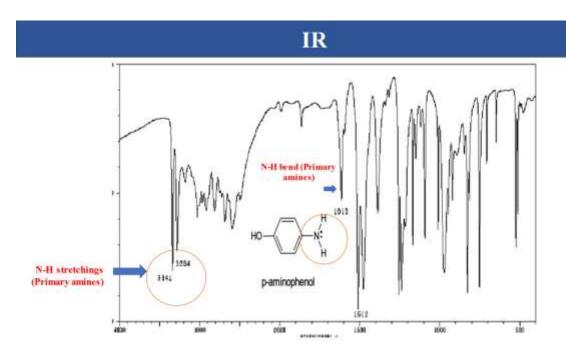


### **COLUMN CHROMATOGRAPHY**



# High resolution mass spectrometry





#### **Results:**

- Weight of the product calculated (Theoretical yield): 10.9 g
- Weight of the product obtained by the experiment (practical yield) = 9.1 g

% Yield = 
$$\frac{\text{Weight of the product obtained by the experiment}}{\text{Weight of the product calculated}} \times 100$$

**%Yield** = 
$$\frac{9.1}{10.9}$$
 x 100

**%Yield** = 
$$0.83486 \times 100$$