

Name _____ Lab Partner _____
TA Name _____ Section _____ Date _____

Experiment 9 - Arenediazonium Salts

Record the following data.

1. Amount of ethyl 4-aminobenzoate used _____ g, _____ mol
2. Amount of sodium nitrite used _____ g, _____ mol
3. Amount of potassium iodide used _____ g, _____ mol
4. Amount of ethyl 4-iodobenzoate produced _____ g, _____ mol
5. Theoretical yield of ethyl 4-iodobenzoate _____ mol, _____ g
6. Percentage Yield _____
7. Record your calculations.

8. What was the R_f value of the starting material? Of the product? Which one is the more polar?

9. You used infrared spectroscopy as a means to determine the absence of any starting material in the product. What infrared stretches were used?