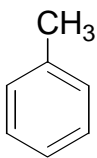
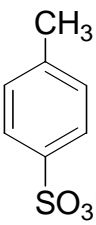
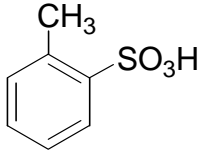
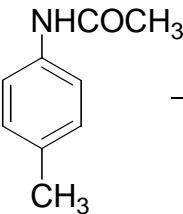
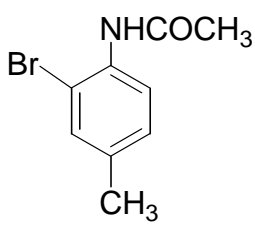
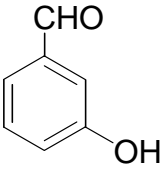
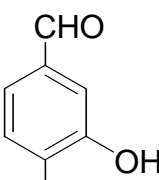
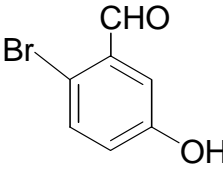
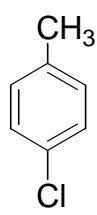
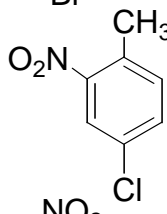
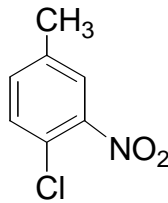

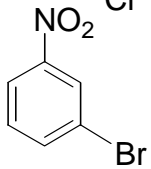
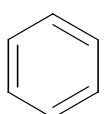
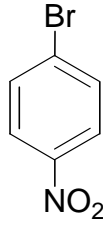
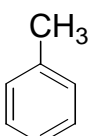
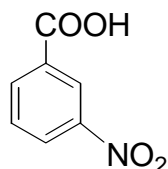
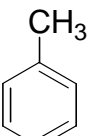
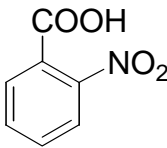
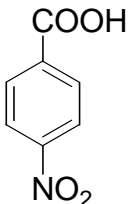
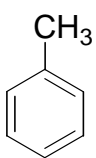
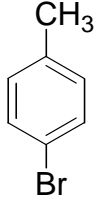
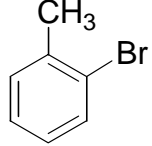
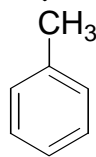
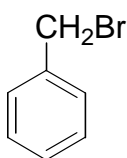
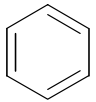
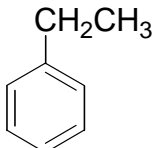
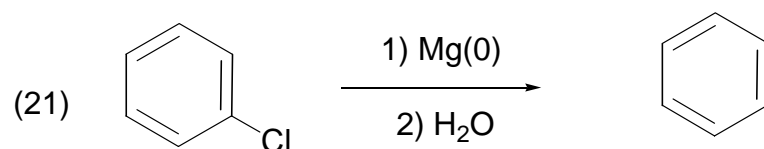
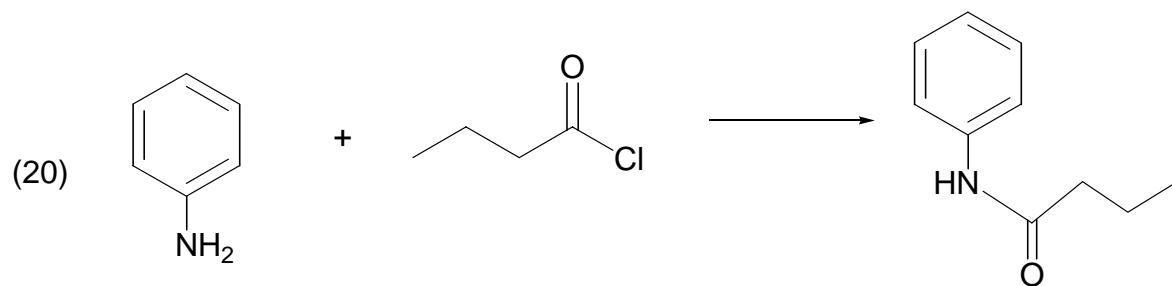
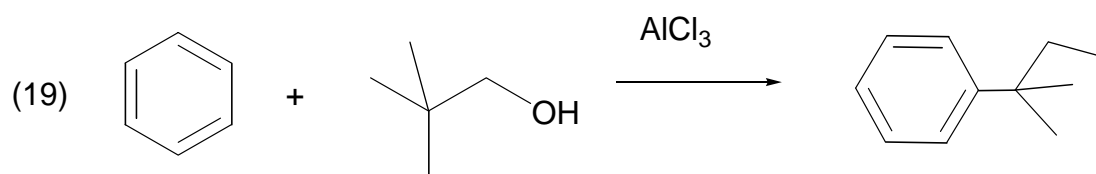
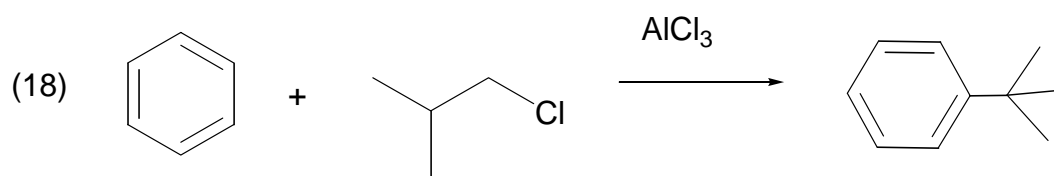
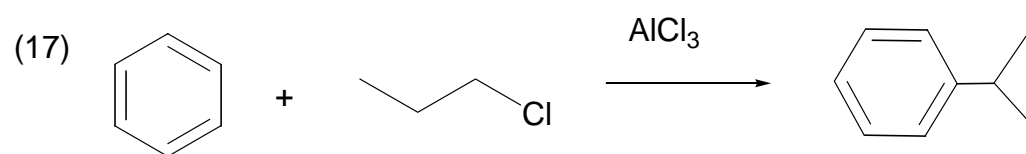
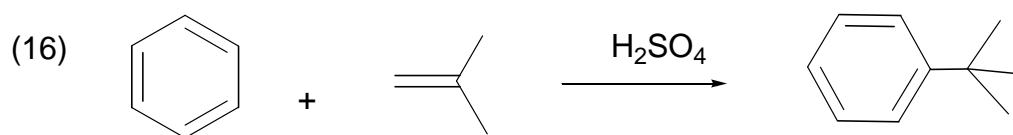
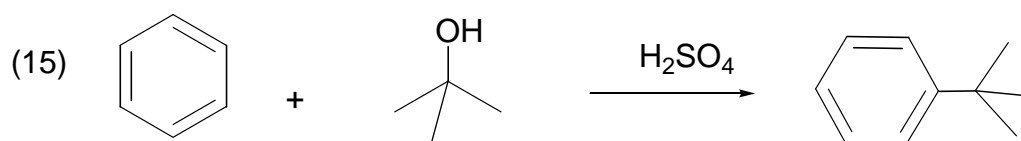
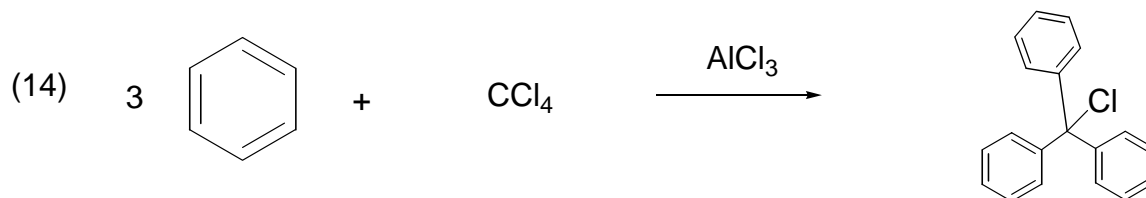
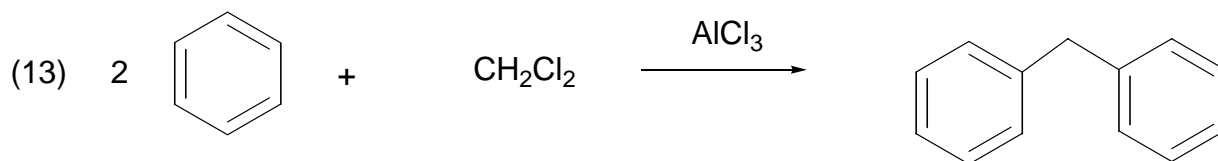
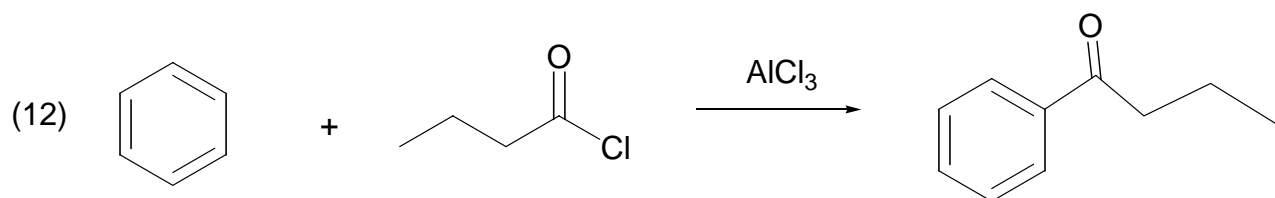
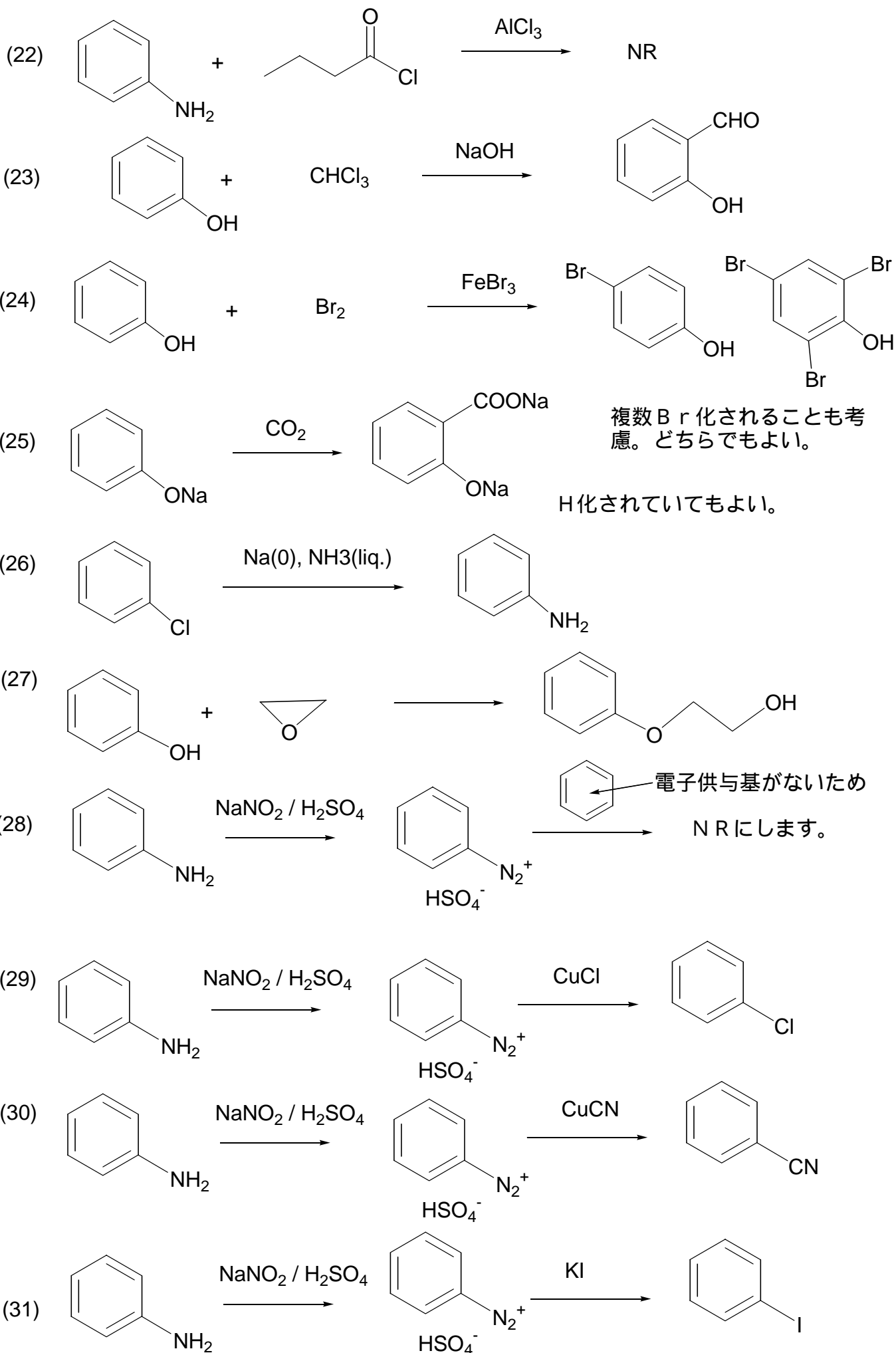
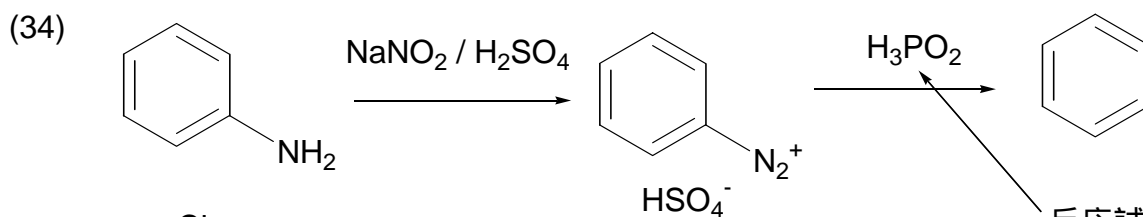
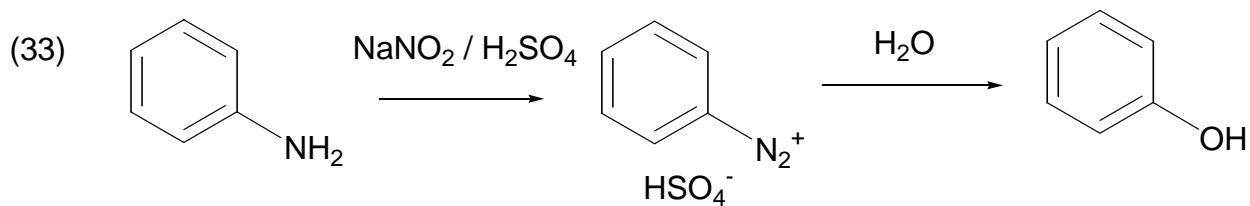
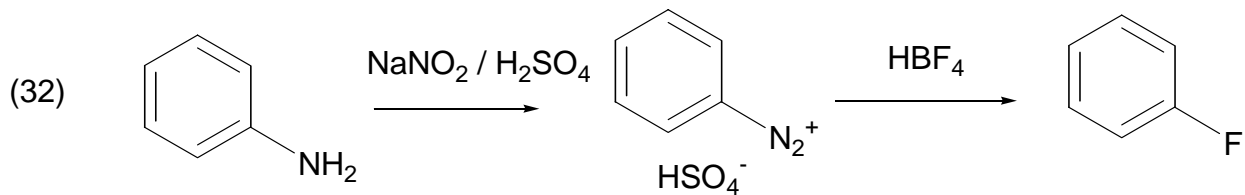


Q1.

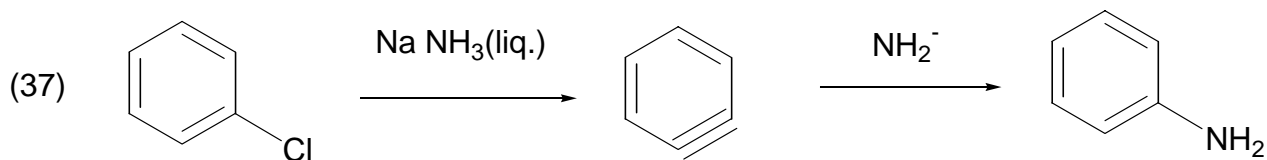
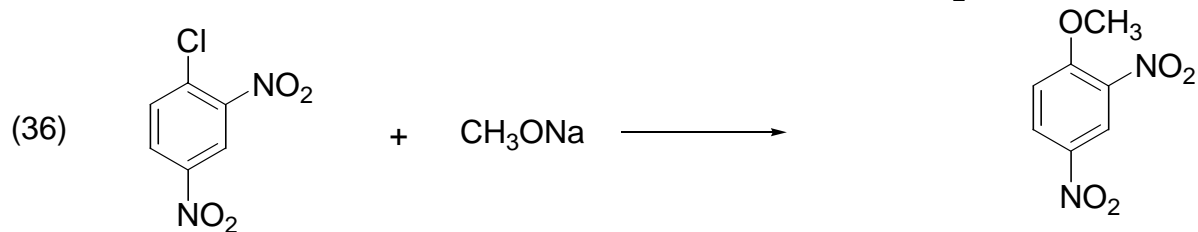
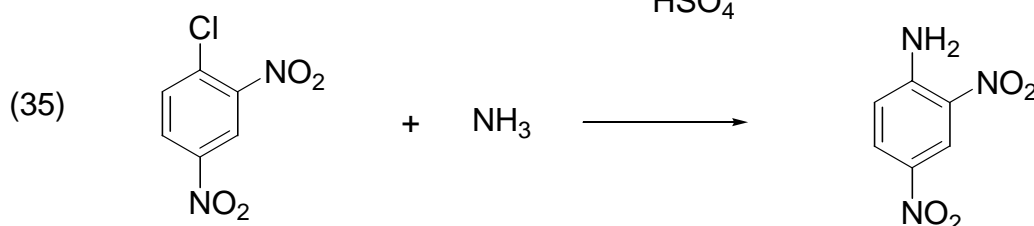
- (1)   $\xrightarrow[35\text{ degree}]{\text{H}_2\text{SO}_4 / \text{SO}_3}$   
- (2)   $\xrightarrow{\text{Br}_2 / \text{FeBr}_3}$  
- (3)   $\xrightarrow{\text{Br}_2 / \text{FeBr}_3}$   
- (4)   $\xrightarrow{\text{HNO}_3 / \text{H}_2\text{SO}_4}$   
- (5)   $\xrightarrow[2) \text{Br}_2 / \text{Fe}]{1) \text{HNO}_3 / \text{H}_2\text{SO}_4}$  
- (6)   $\xrightarrow[2) \text{HNO}_3 / \text{H}_2\text{SO}_4]{1) \text{Br}_2 / \text{Fe}}$  
- (7)   $\xrightarrow[2) \text{HNO}_3 / \text{H}_2\text{SO}_4]{1) \text{KMnO}_4}$  
- (8)   $\xrightarrow[2) \text{K}_2\text{CrO}_7]{1) \text{HNO}_3 / \text{H}_2\text{SO}_4}$   
- (9)   $\xrightarrow{\text{Br}_2 / \text{Fe}}$   
- (10)   $\xrightarrow{\text{Br}_2 / h\nu}$  
- (11)   $\xrightarrow[\text{AlCl}_3]{\text{CH}_3\text{CH}_2\text{Br}}$  







反応試薬が違いました。



ベンザイン

