$NaNO_2/HCl$ Bromination TribromobenzeneIn the following reaction, X is X C_2H_5OH A) benzoicacid

B) salicylic acid

C) phenol

D) aniline

have
$$-NH_2$$

Correct Answer: D Solution: [d] Proceed backward; tribromobenzene is produced by boiling compound Z with $C_2H_5OH;Z$ in turn is obtained by diazotisation of Y, so Y and Z should have $-NH_2$ and $-N_2Cl$ groups respectively, in addition to three Br atoms. Hence X should be $ilde{C}_6H_5NH_2$