Ex 48 - S_N2 Mechanism

Question OneOffer mechanisms for the following and give the structure of the missing component.

$$H_3CH_2C$$
— Br \longrightarrow H_3CH_2C — N_3

NC:
$$H_3C$$
 Br \longrightarrow CH_3CH_2

$$HN(CH_3)_2$$
 CH_2Br
 CH_2Br

$$\bigoplus_{H_3C}$$
 CH_3
 I

$$Ph$$
— $C\equiv C$: + Ph — $C\equiv C$ — CH_2CH_3