

Figure S1 : Chromatogram for N-alkylation (pyrrolidine – benzylalcohol) catalysed by **3a**

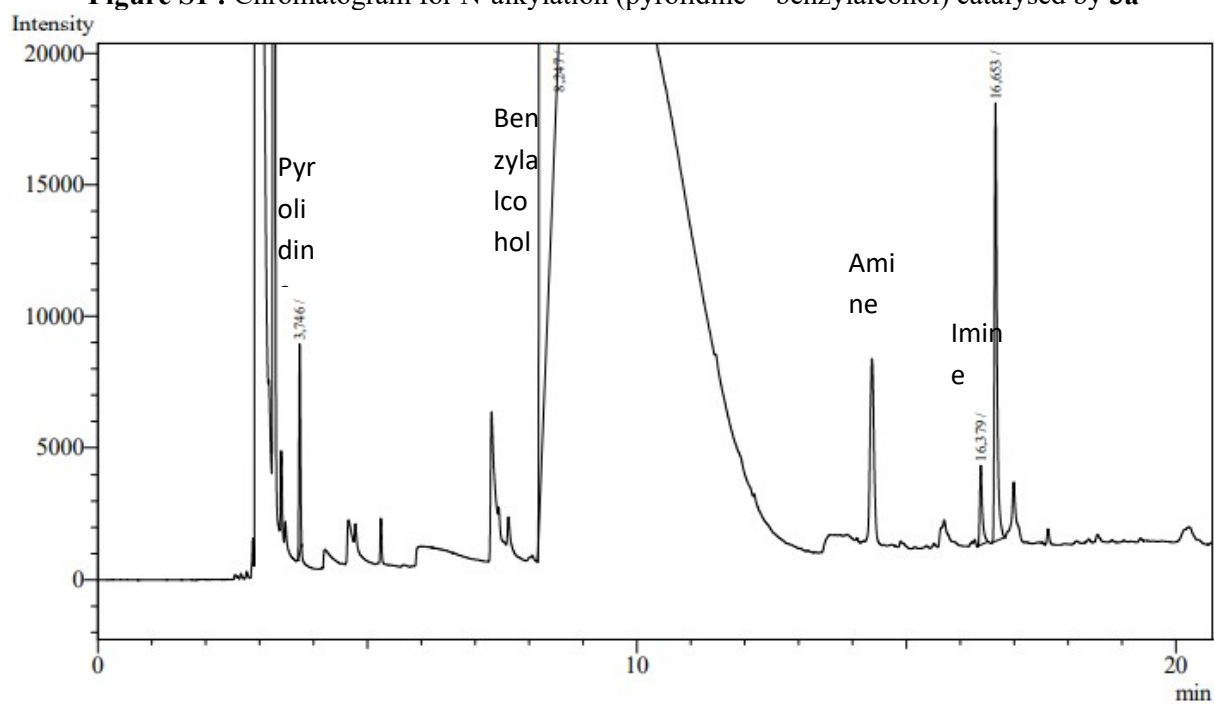


Figure S2 : Chromatogram for N-alkylation (pyrrolidine – benzylalcohol) catalysed by **3b**

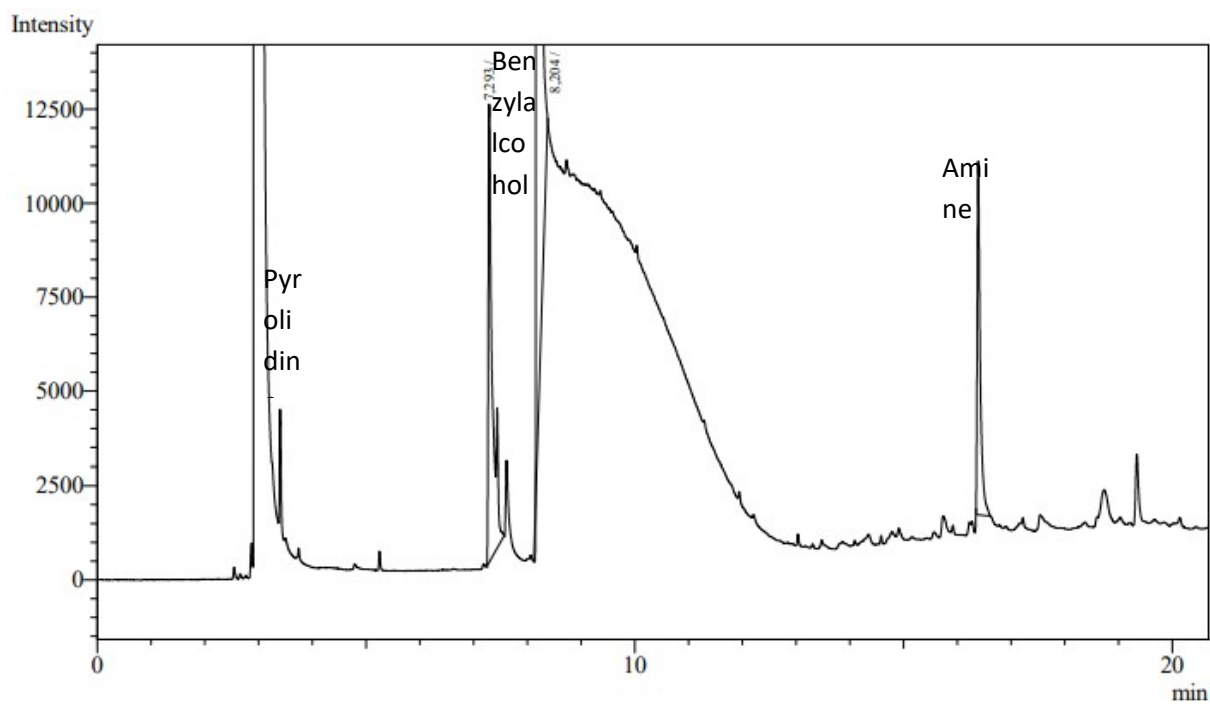


Figure S3 : Chromatogram for N-alkylation (pyrrolidine – benzylalcohol) catalysed by **3c**

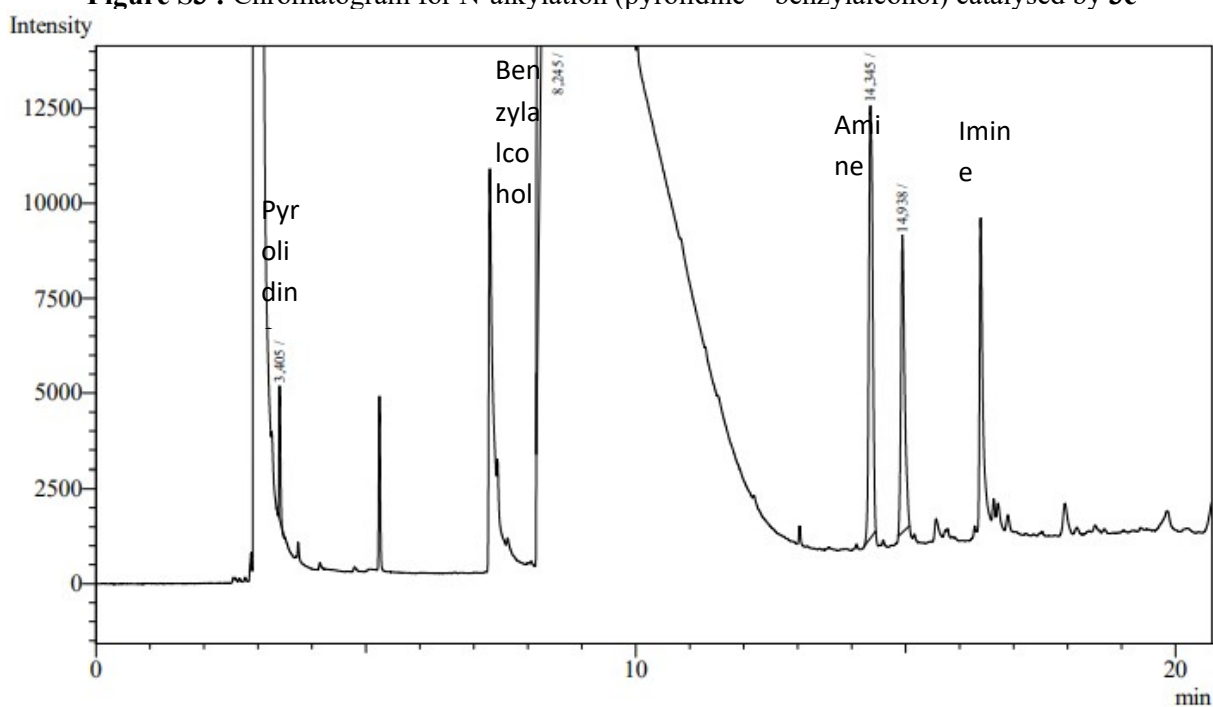


Figure S4 : Chromatogram for N-alkylation (pyrrolidine – benzylalcohol) catalysed by **3d**

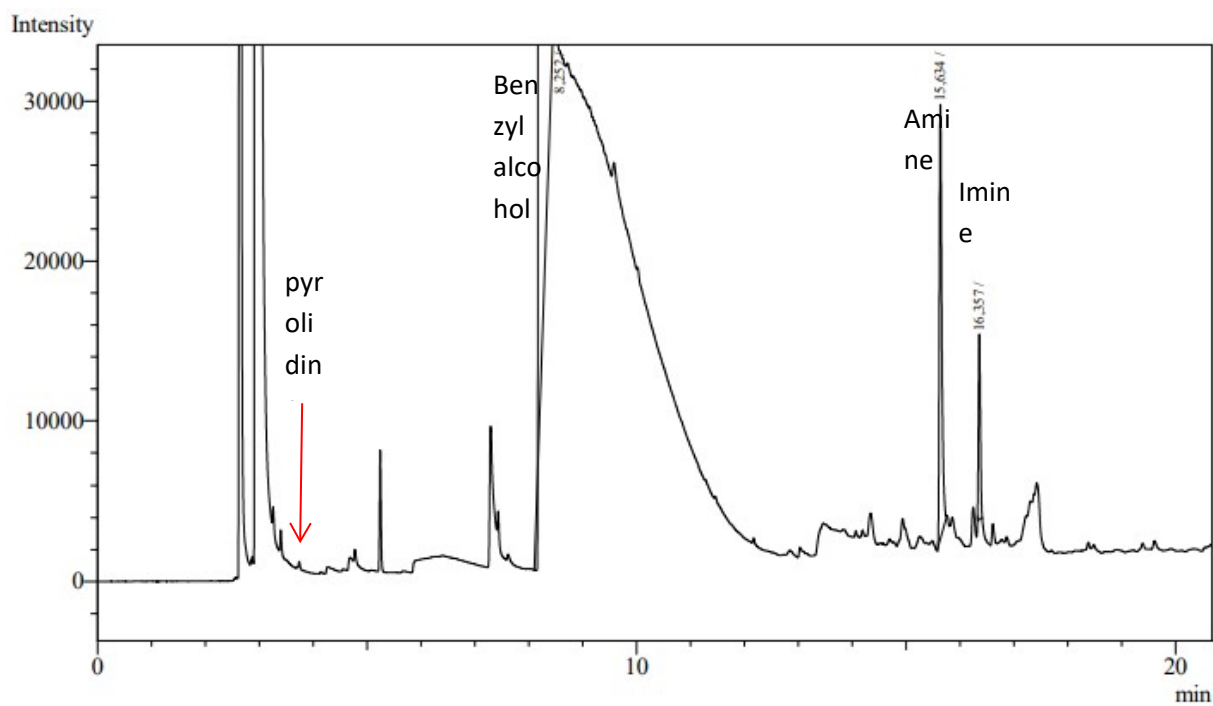


Figure S5 : Chromatogram for N-alkylation (pyrrolidine – benzylalcohol) catalysed by **3e**

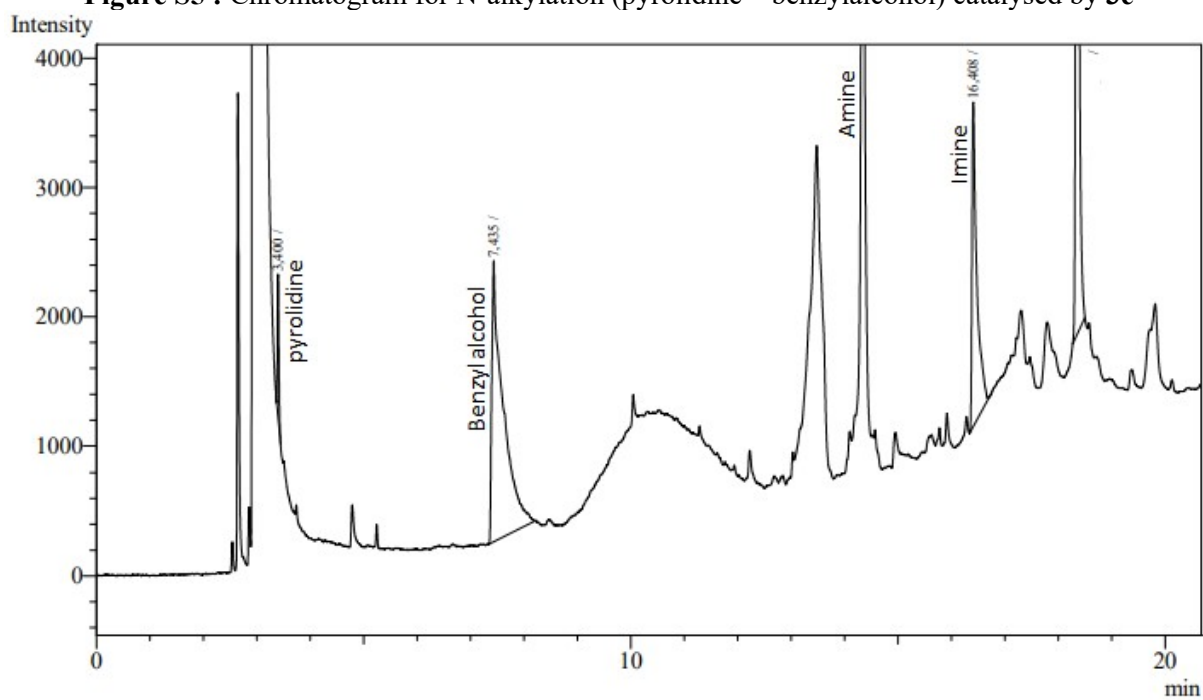


Figure S6 : Chromatogram for N-alkylation (pyrrolidine – benzylalcohol) catalysed by **3f**

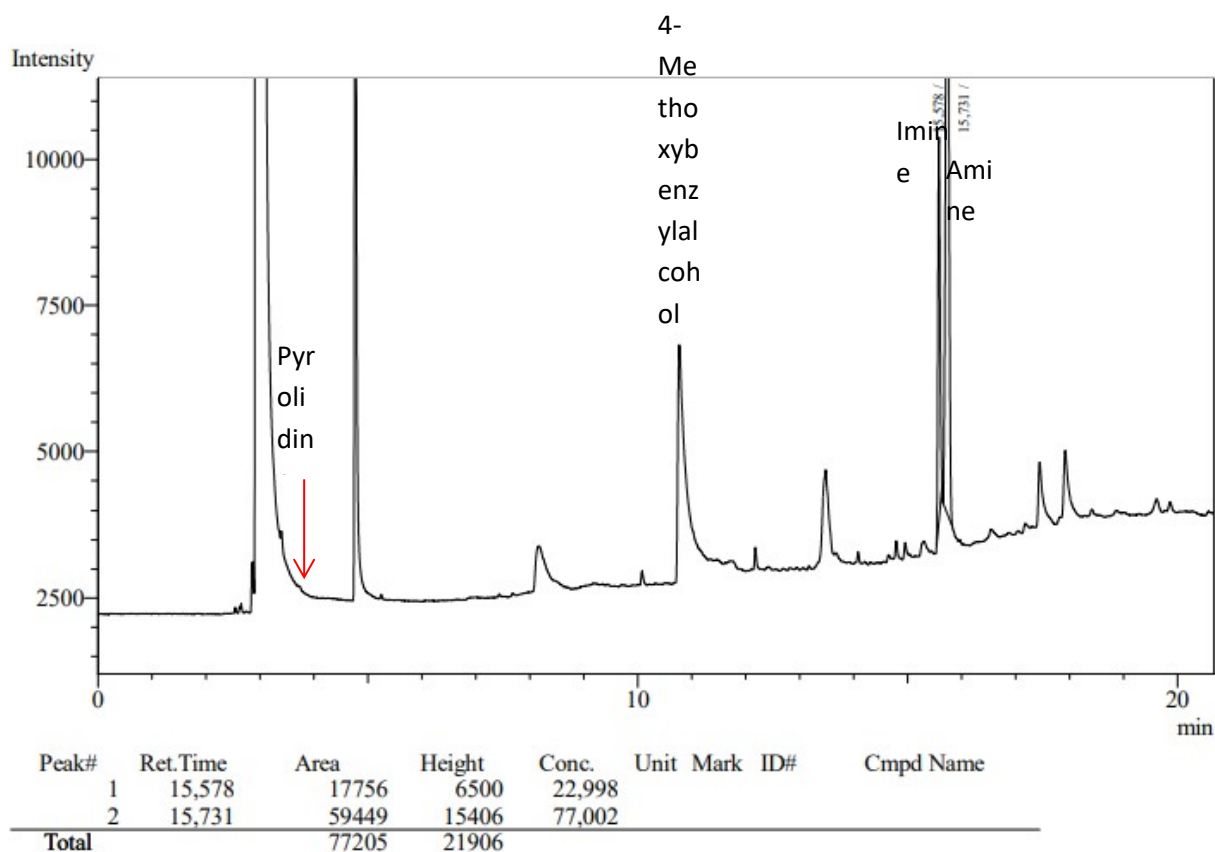


Figure S7 : Chromatogram for N-alkylation (pyrolidine – 4-methoxybenzylalcohol) catalysed by **3a**

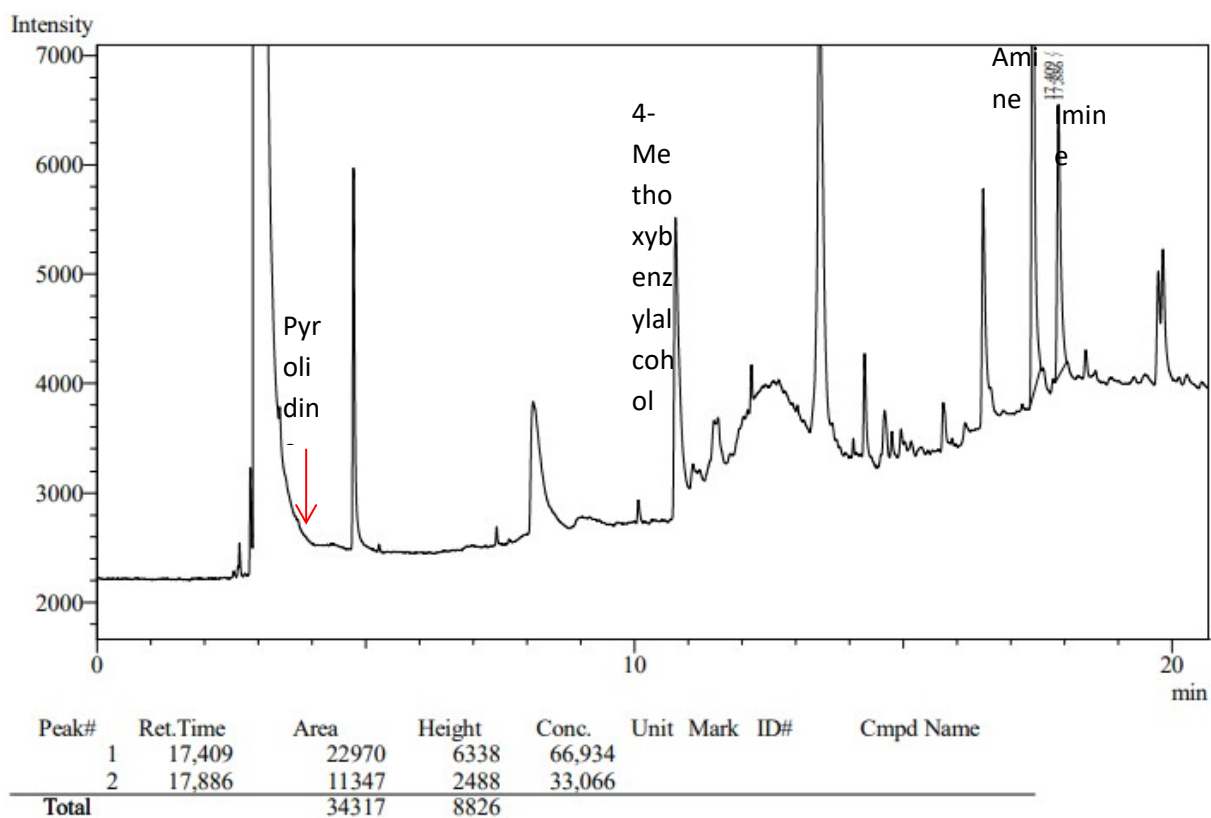


Figure S8 : Chromatogram for N-alkylation (pyrolidine – 4-methoxybenzylalcohol) catalysed by **3b**

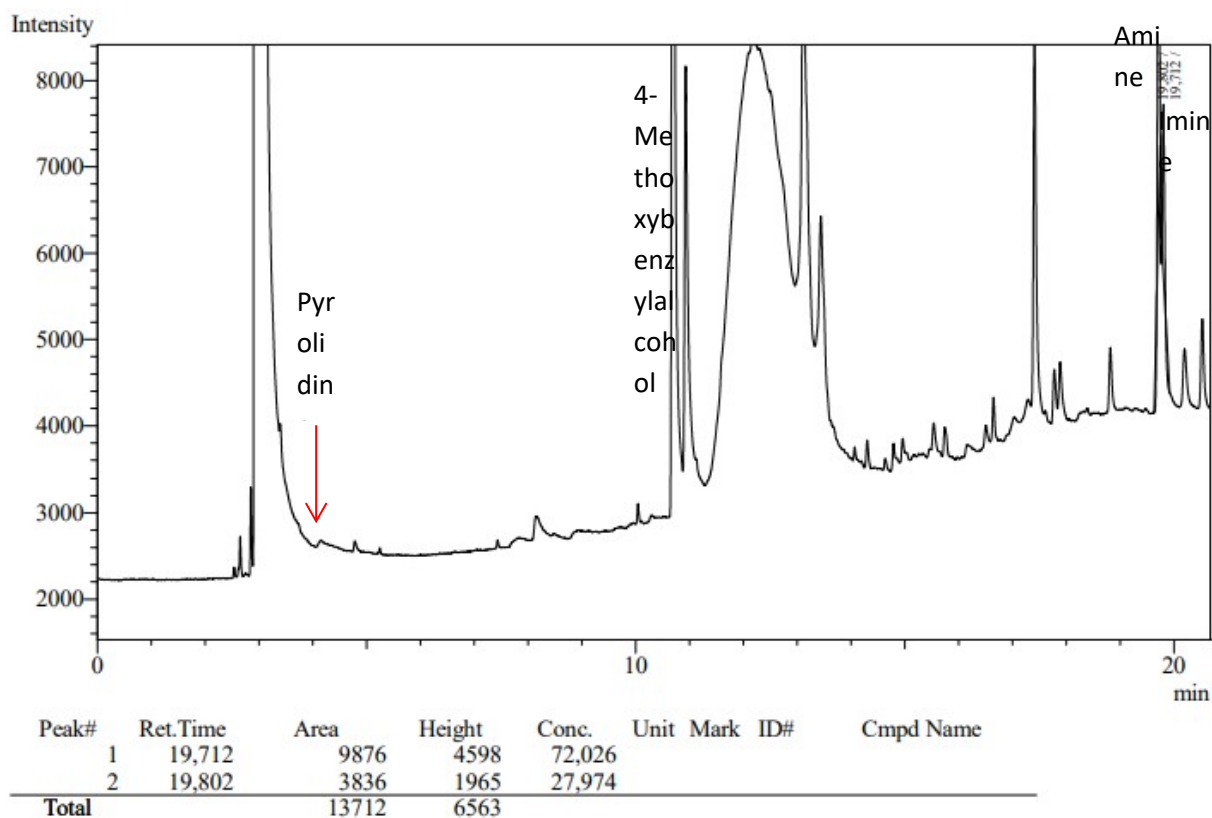


Figure S9 : Chromatogram for N-alkylation (pyrolidine – 4-methoxybenzylalcohol) catalysed by **3c**

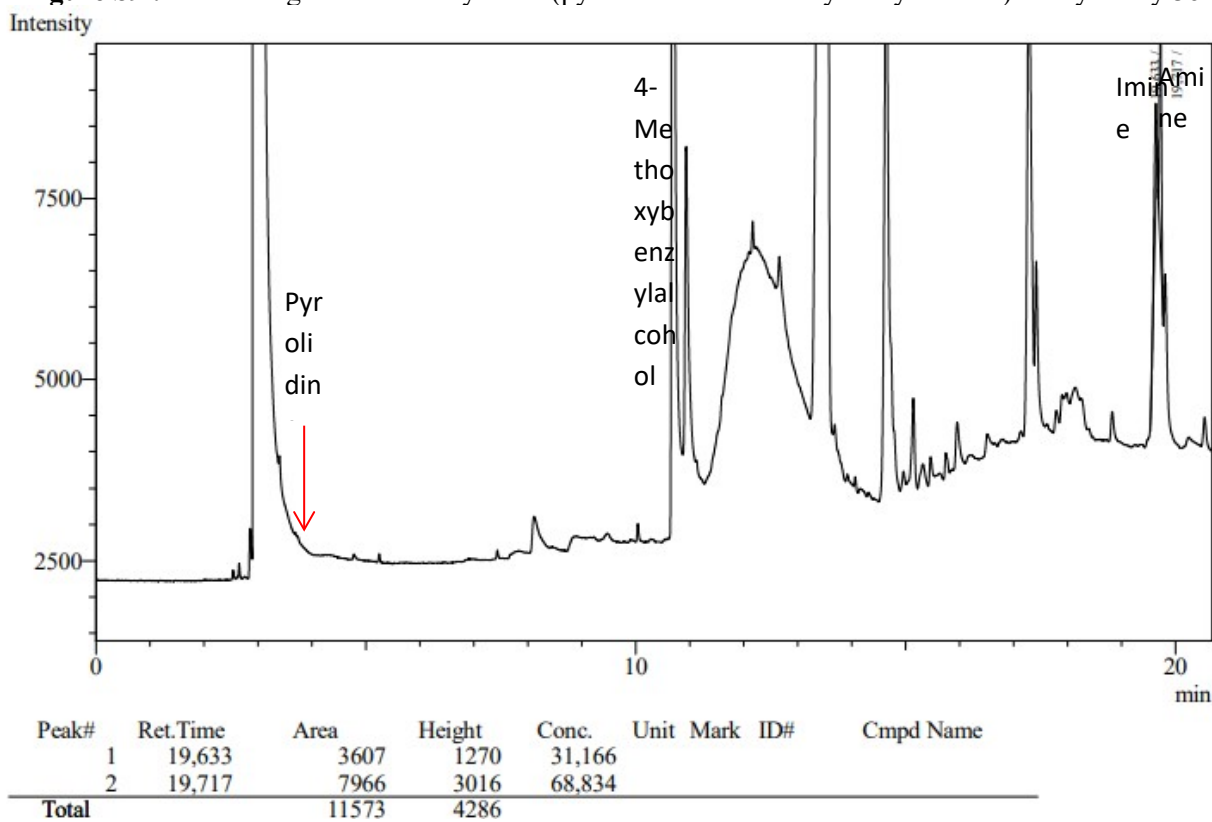


Figure S10 : Chromatogram for N-alkylation (pyrolidine – 4-methoxybenzylalcohol) catalysed by **3d**

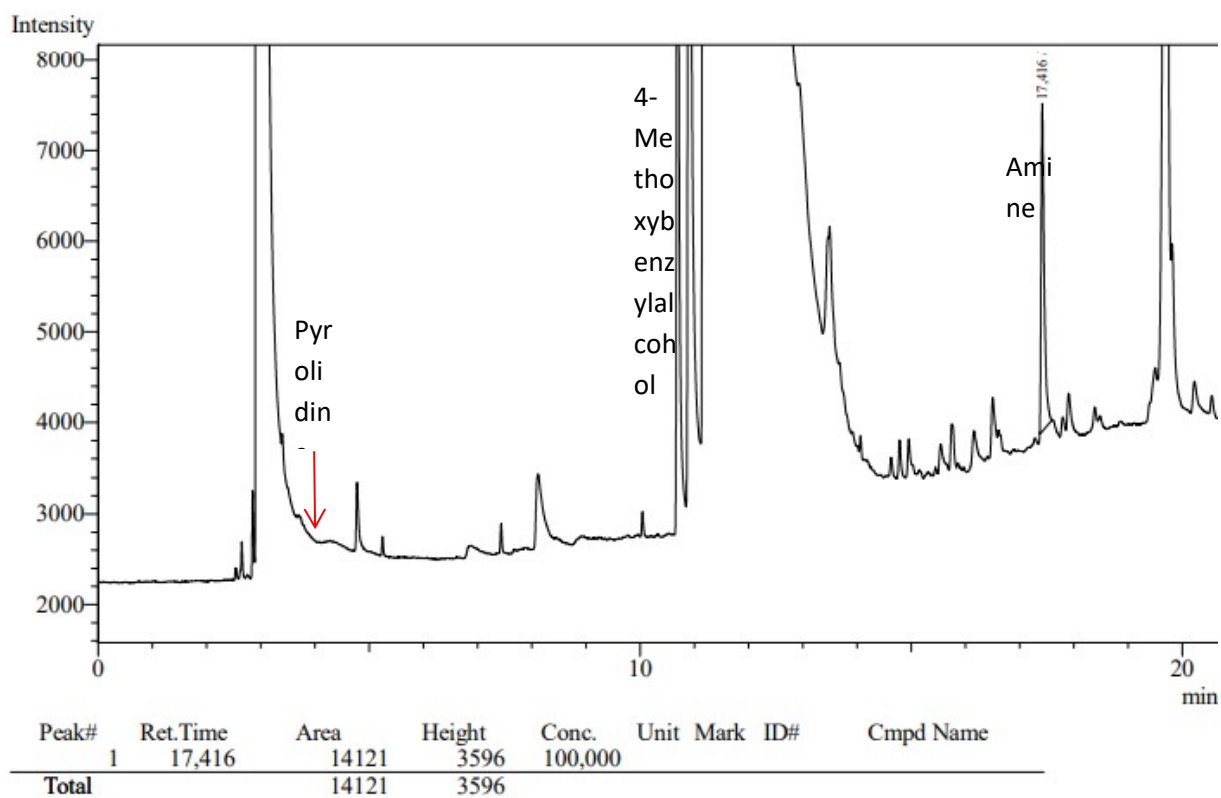


Figure S11 : Chromatogram for N-alkylation (pyrrolidine – 4-methoxybenzylalcohol) catalysed by 3e

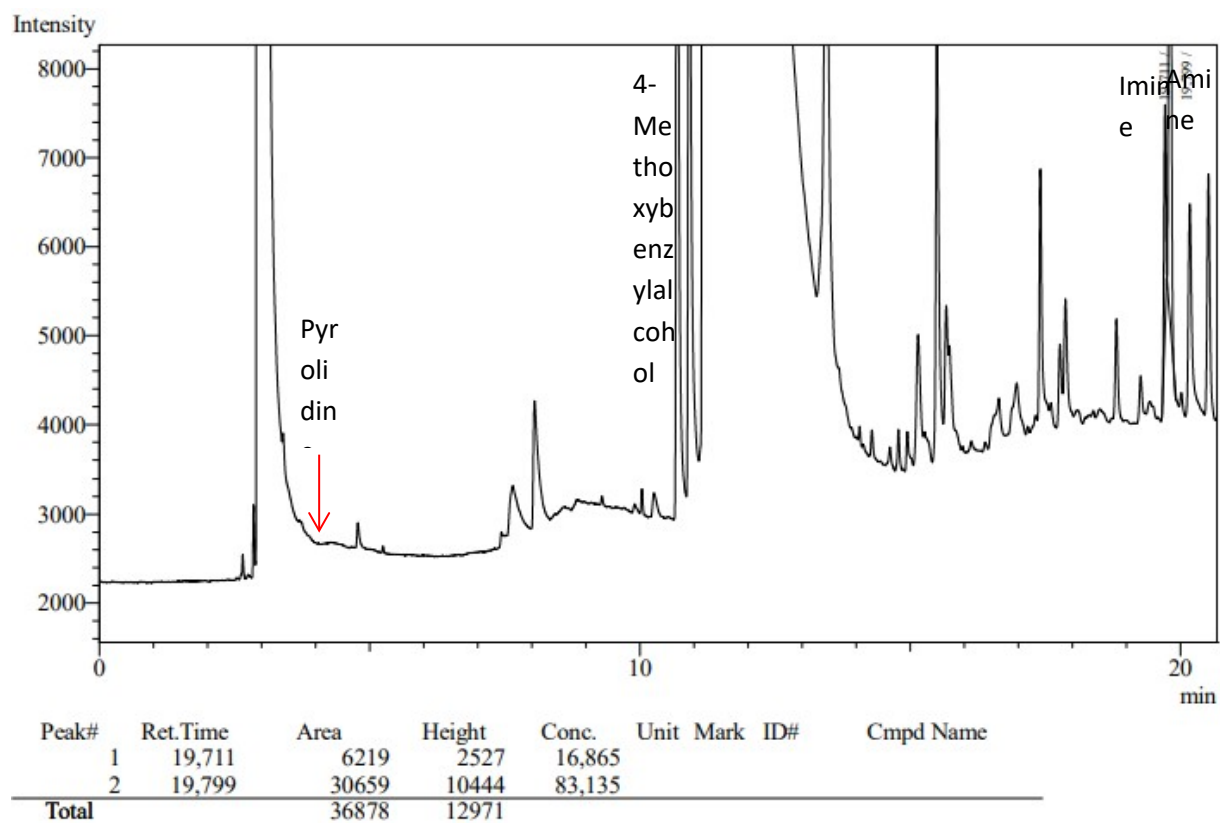


Figure S12 : Chromatogram for N-alkylation (pyrrolidine – 4-methoxybenzylalcohol) catalysed by 3f

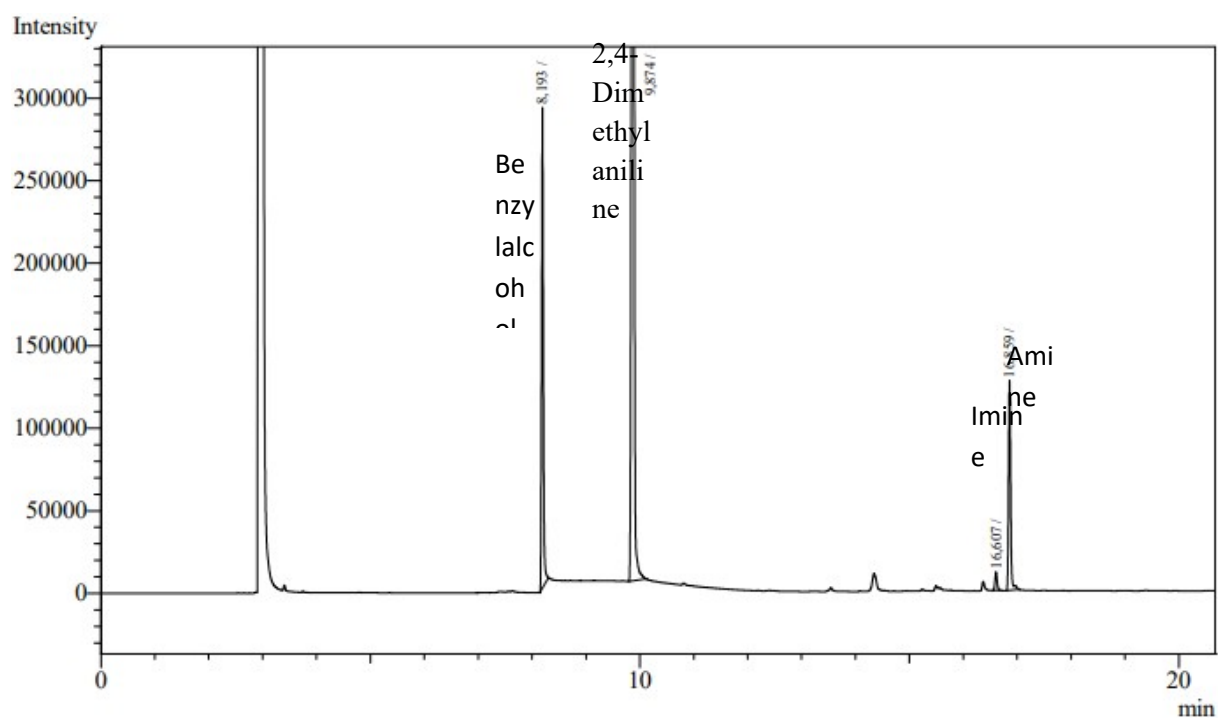
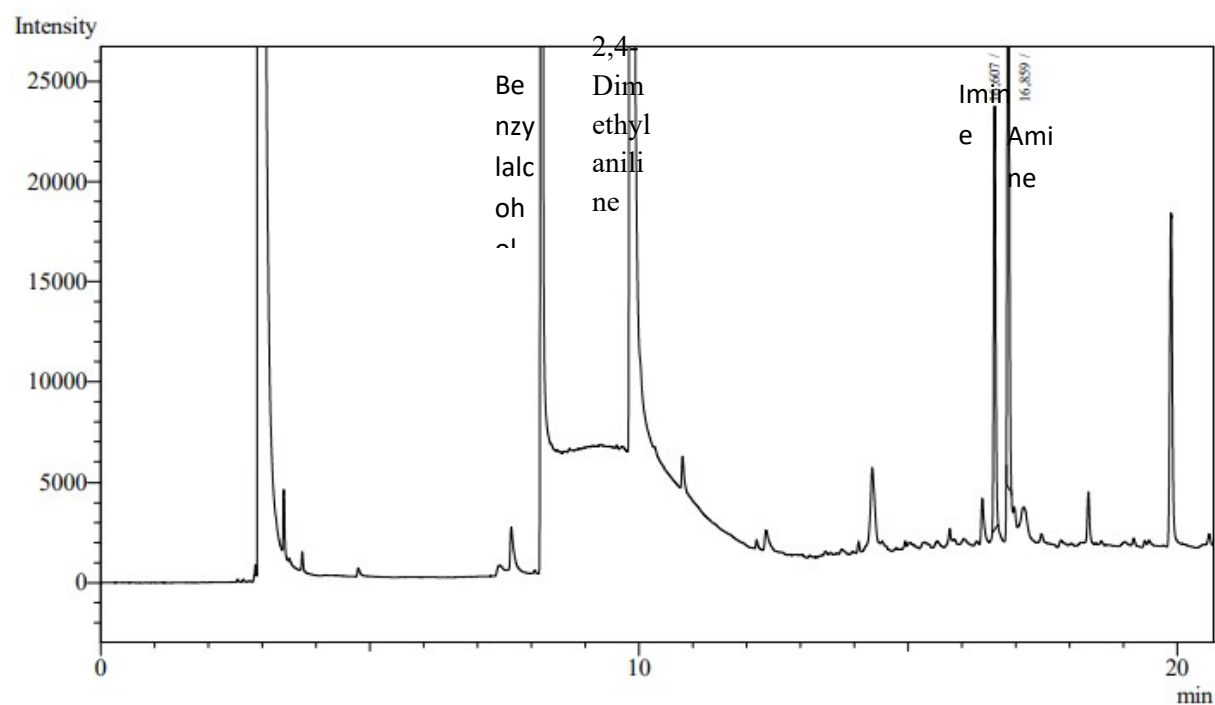


Figure S13 : Chromatogram for N-alkylation (2,4-Dimethylaniline –benzylalcohol) catalysed by **3a**



| Peak# | Ret.Time | Area | Height | Conc. | Unit | Mark | ID# | Cmpd Name |
|--------------|----------|--------|--------|--------|------|------|-----|-----------|
| 1 | 16,607 | 53130 | 21011 | 36,723 | | | | |
| 2 | 16,859 | 91546 | 36595 | 63,277 | | | | |
| Total | | 144676 | 57606 | | | | | |

Figure S14 : Chromatogram for N-alkylation (2,4-Dimethylaniline –benzylalcohol) catalysed by **3b**

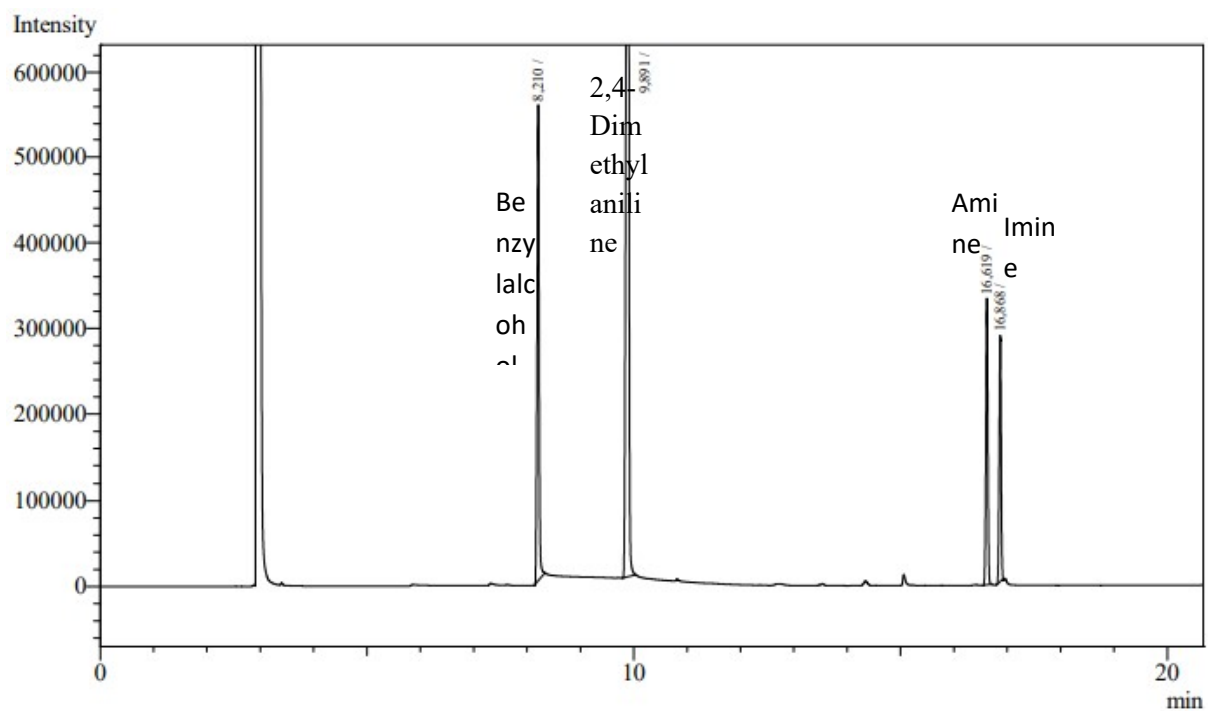


Figure S15 : Chromatogram for N-alkylation (2,4-Dimethylaniline –benzylalcohol) catalysed by **3c**

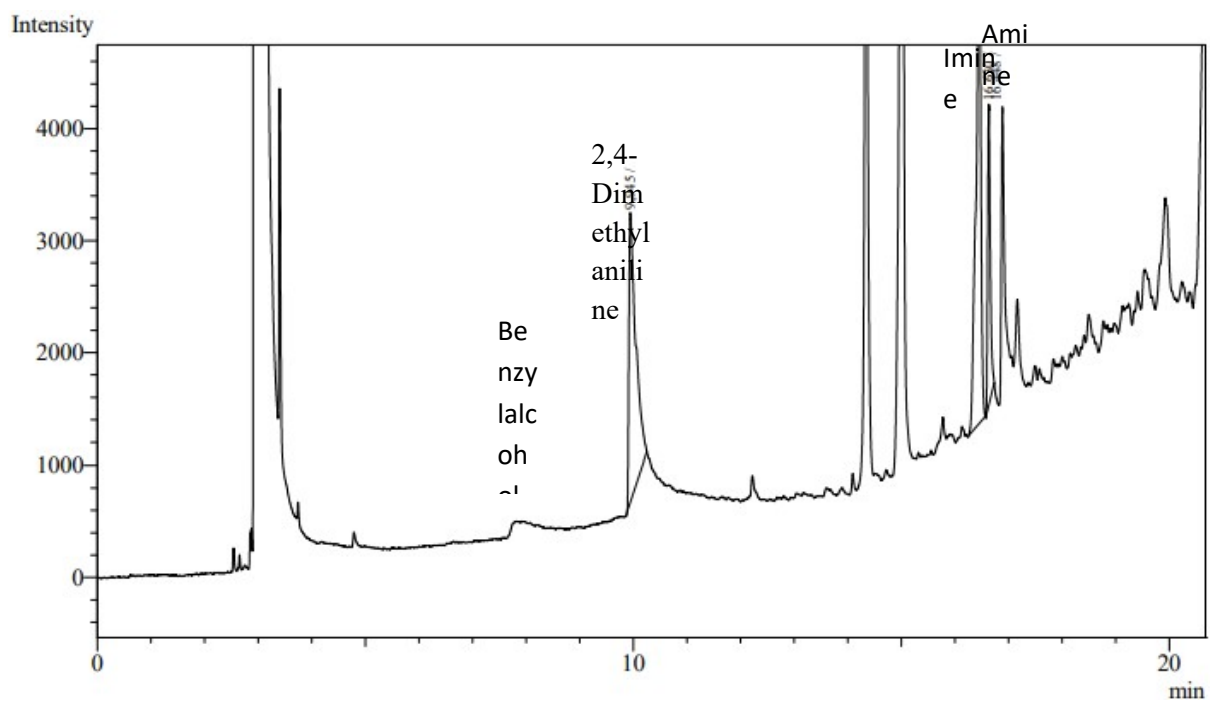


Figure S16 : Chromatogram for N-alkylation (2,4-Dimethylaniline –benzylalcohol) catalysed by **3d**

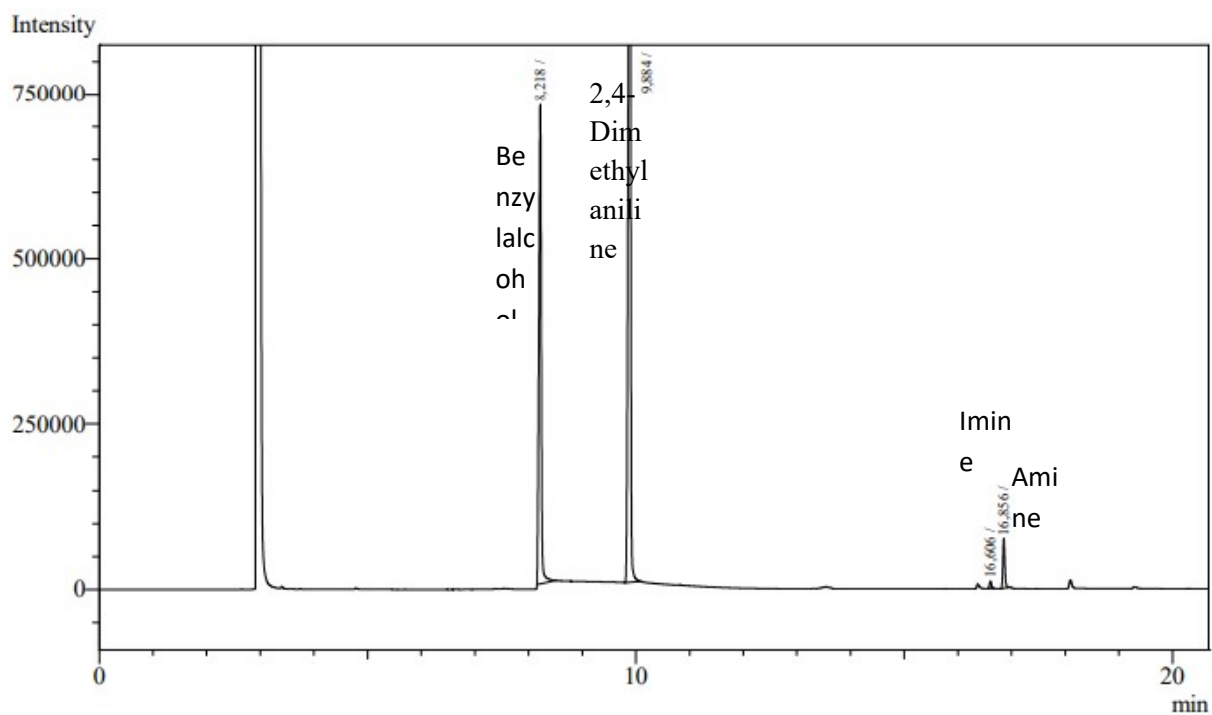


Figure S17 : Chromatogram for N-alkylation (2,4-Dimethylaniline –benzylalcohol) catalysed by **3e**

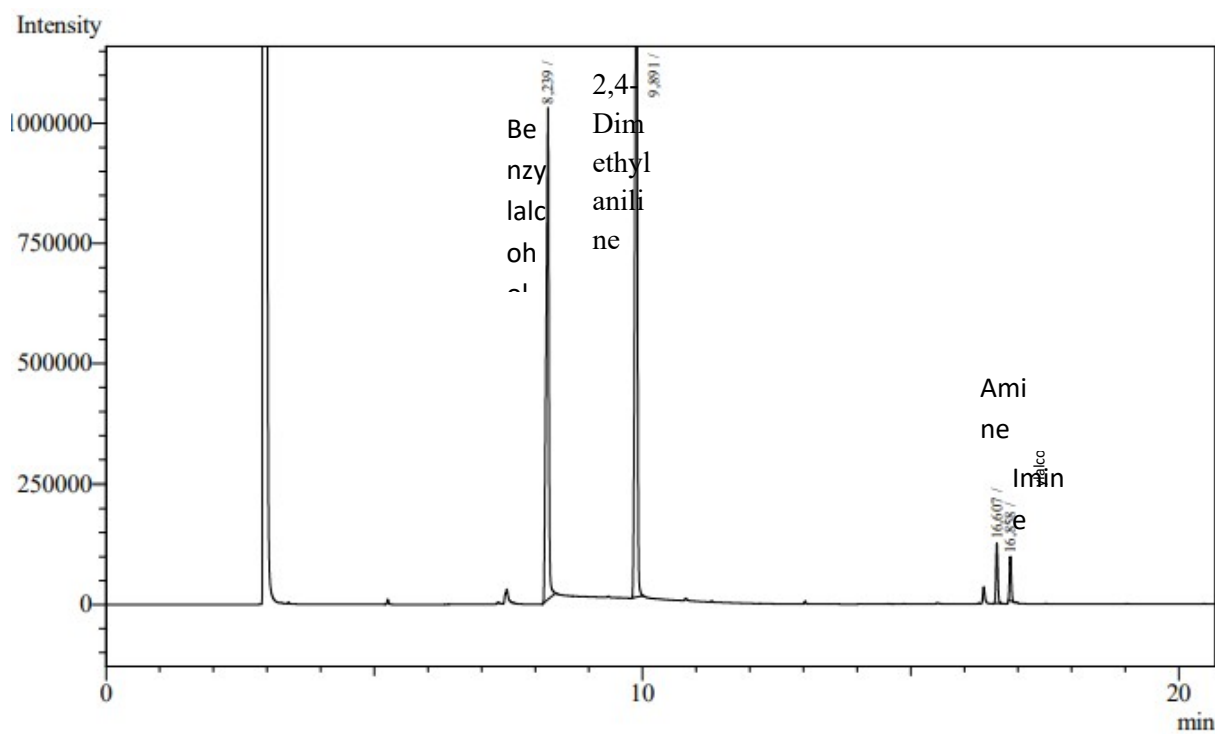


Figure S18 : Chromatogram for N-alkylation (2,4-Dimethylaniline –benzylalcohol) catalysed by **3f**

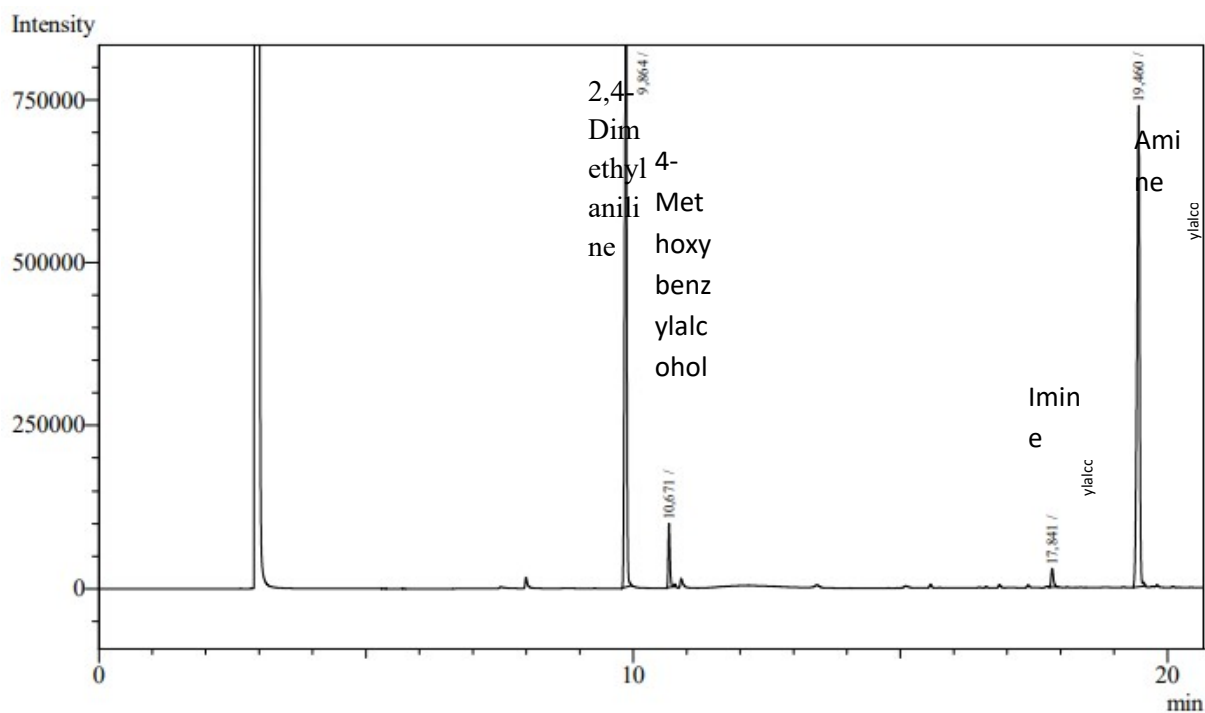


Figure S19 : Chromatogram for N-alkylation (2,4-Dimethylaniline –4-methoxybenzylalcohol) catalysed by **3a**

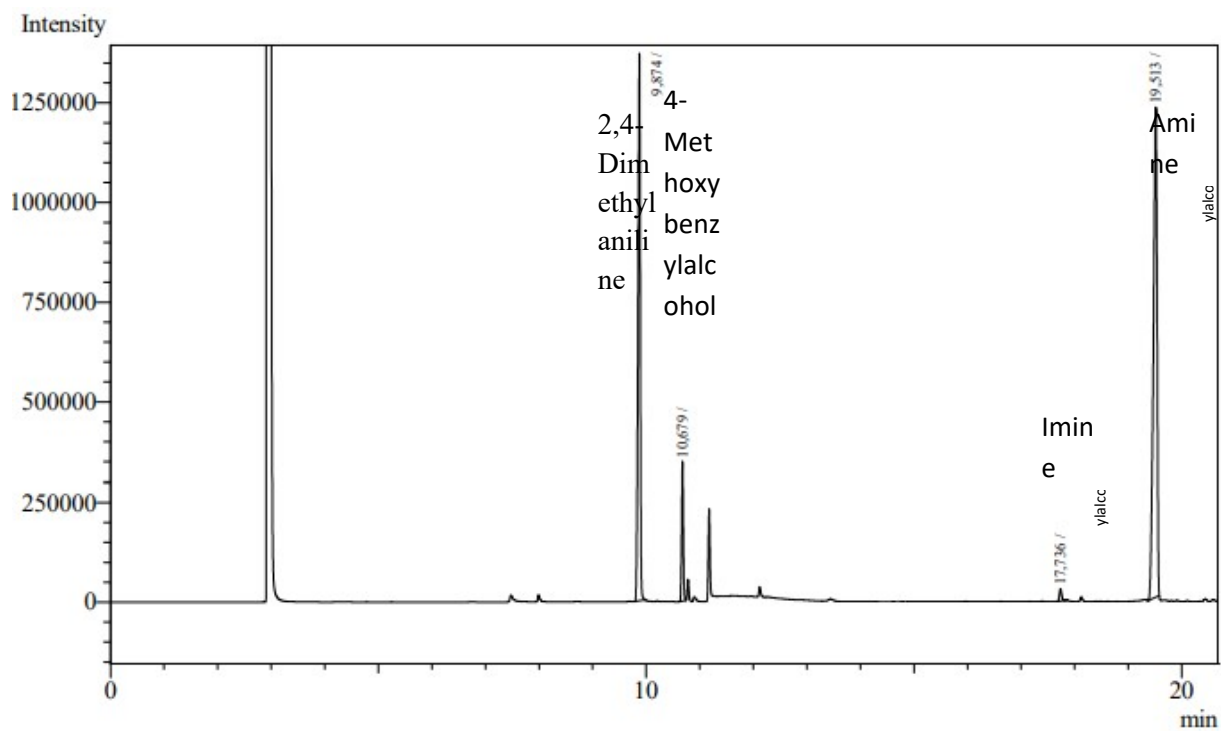


Figure S20 : Chromatogram for N-alkylation (2,4-Dimethylaniline –4-methoxybenzylalcohol) catalysed by **3b**

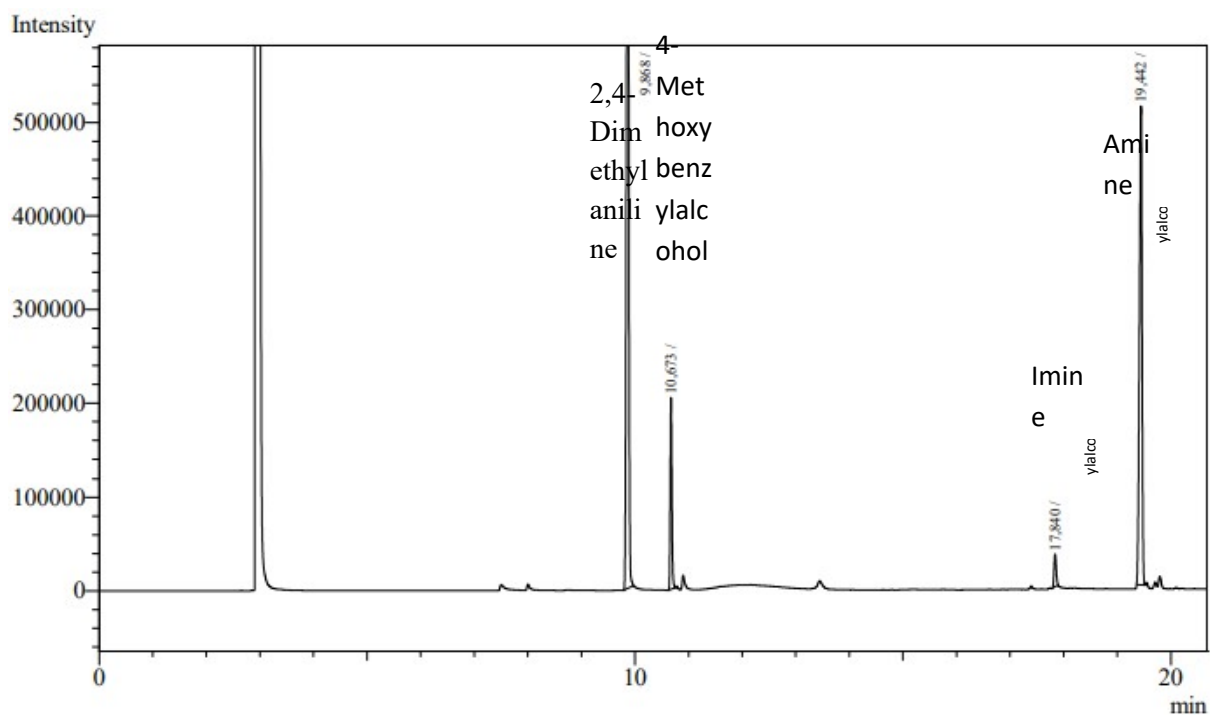
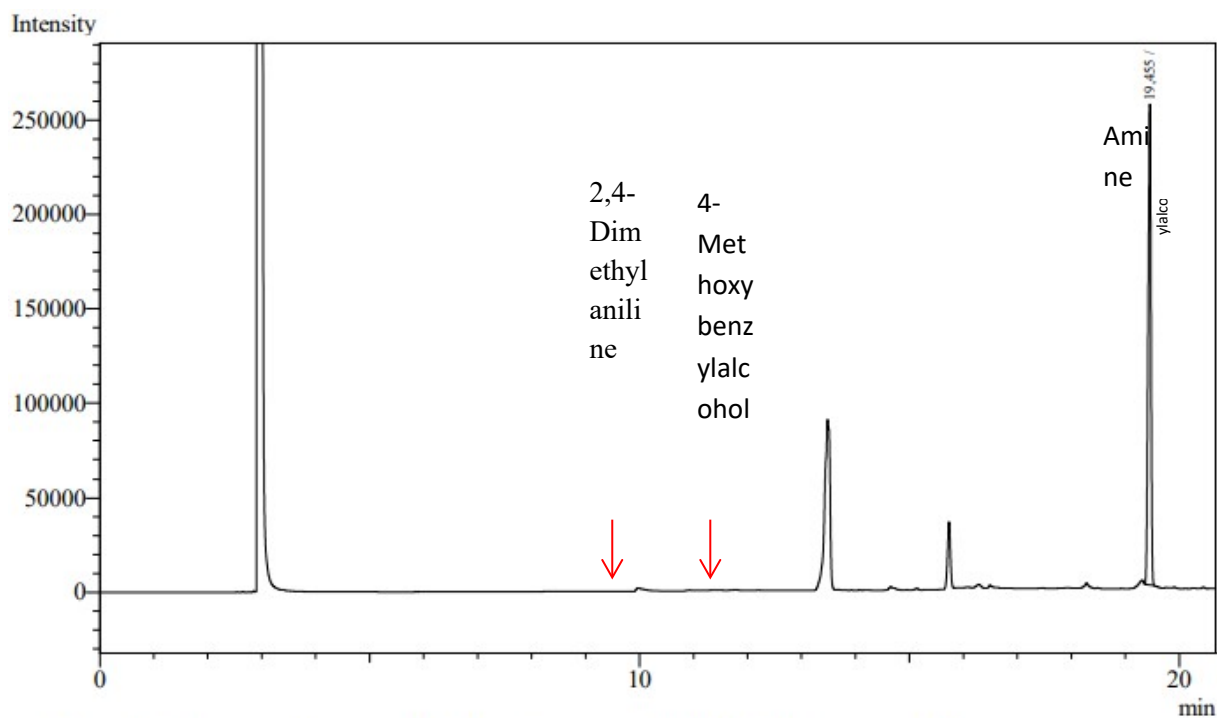


Figure S21 : Chromatogram for N-alkylation (2,4-Dimethylaniline –4-methoxybenzylalcohol) catalysed by **3c**



| Peak# | Ret.Time | Area | Height | Conc. | Unit | Mark | ID# | Cmpd Name |
|--------------|----------|--------|--------|---------|------|------|-----|-----------|
| 1 | 19,455 | 921750 | 253906 | 100,000 | | | | |
| Total | | 921750 | 253906 | | | | | |

Figure S22 : Chromatogram for N-alkylation (2,4-Dimethylaniline –4-methoxybenzylalcohol) catalysed by **3d**

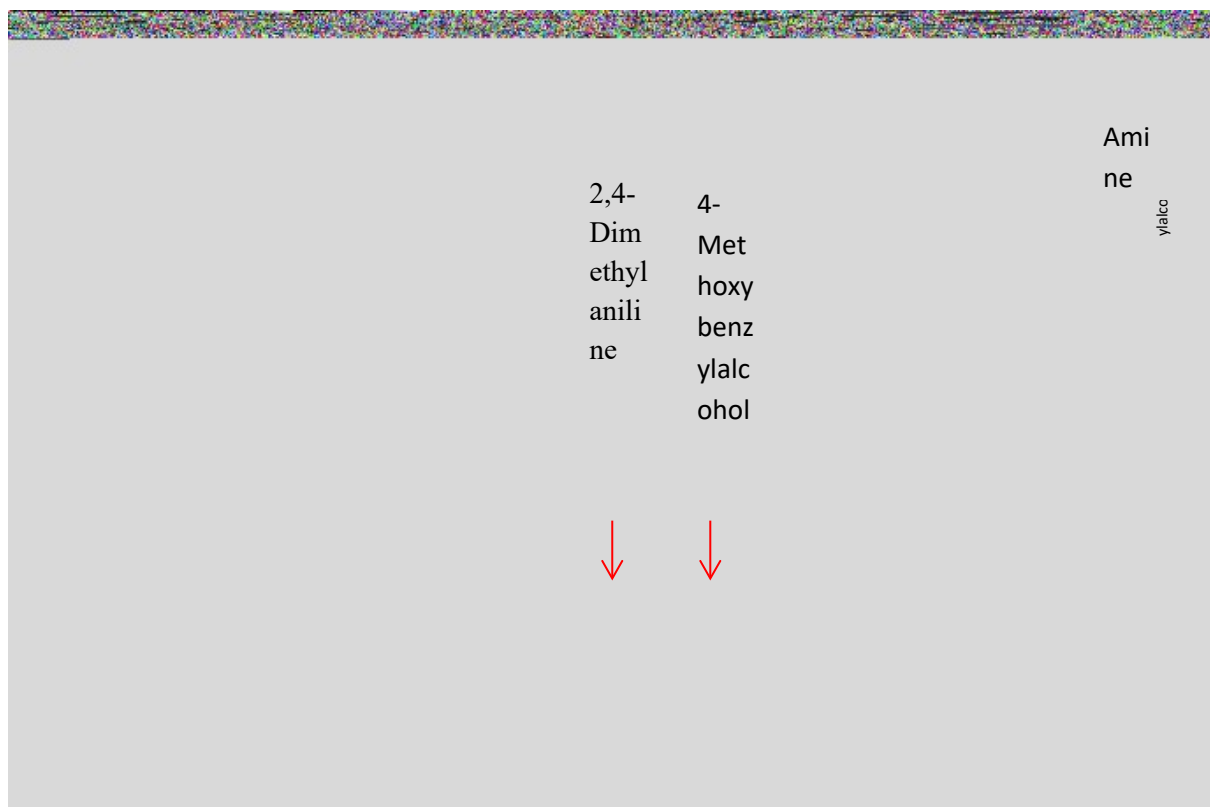


Figure S23 : Chromatogram for N-alkylation (2,4-Dimethylaniline –4-methoxybenzylalcohol) catalysed by **3e**

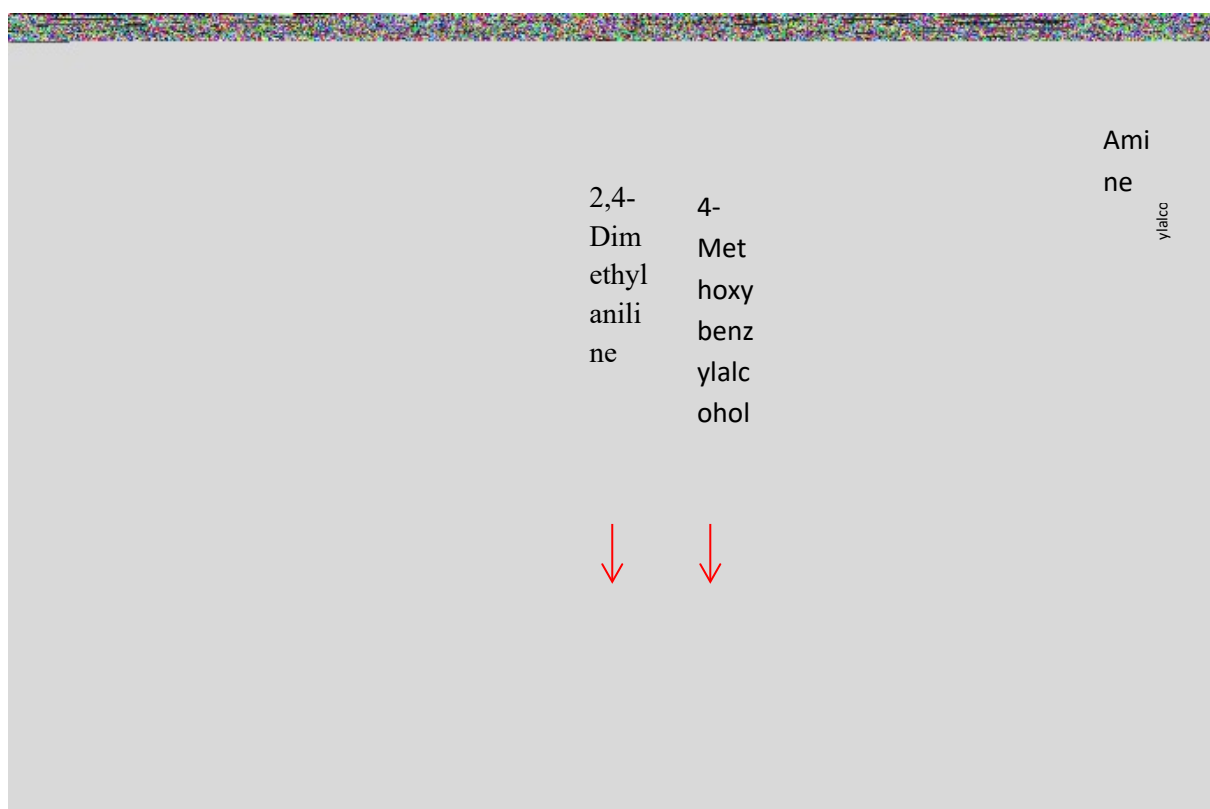


Figure S24 : Chromatogram for N-alkylation (2,4-Dimethylaniline –4-methoxybenzylalcohol) catalysed by **3f**

