LIST OF TABLES

	LIST OF TABLES		
Table		Page No.	
2.1	Nitrosation of <i>N</i> -methyl aniline using <i>tert</i> -butyl nitrite	39	
2.2	Nitrosation of aromatic secondary amines using <i>tert</i> -butyl nitrite under solvent free conditions	41	
2.3	Nitrosation of aliphatic secondary amines using <i>tert</i> -butyl nitrite under solvent free conditions	45	
2.4	Crystal refinement parameters for 2f	48	
2.5	Conversion of aryl hydrazines into corresponding azides	51	
2.6	Conversion of benzamides into benzoic acids	53	
3.1	Optimization of denitrosation under different conditions.	88	
3.2	Denitrosation of N-nitrosamines using iodine-triethylsilane.	90	
3.3	Denitrosation of functionalized N-nitrosamines using iodine-triethylsilane	92	
3.4	Denitrosation of N-methyl N-nitroso aniline catalyzed by haloacids	97	
4.1	Initial observations during the N-nitrosation reaction	132	
4.2	Nitration of various <i>p</i> -substituted <i>N</i> -alkyl anilines	135	
4.3	Nitration of various unsubstituted and <i>m</i> -substituted <i>N</i> -alkyl anilines	137	
4.4 4.5	Denitrosation of <i>N</i> -nitrosamines using aq. HCl-methanol Denitrosation of unsubstituted and <i>m</i> -substituted <i>N</i> -nitrosamines using aq.	138	
	HCl-methanol	140	
4.6	Crystal refinement parameters for 3aa and 3az	141	
4.7	Optimization of one step procedure for denitrosation followed by reduction of nitro group in 4-methoxy <i>N</i> -nitroso <i>N</i> -benzyl nitroaniline	143	
4.8	Denitrosation followed by reduction of nitro group in <i>N</i> -nitroso <i>N</i> -alkyl nitroaniline	144	
5.1	Reduction of N-nitrosamines under various reaction conditions	223	
5.2	Reduction of N-nitrosamines using thiourea dioxide	226	