

Supporting Information

Efficient Erbium-Catalyzed [3+2] Cycloaddition: Regioselective Synthesis of 1,5-Disubstituted 1,2,3-Triazoles

Loredana Maiuolo^{*1}, Beatrice Russo^{*1}, Vincenzo Algieri¹, Monica Nardi¹, Maria Luisa Di Gioia², Matteo Antonio Tallarida¹, Antonio De Nino^{*1}

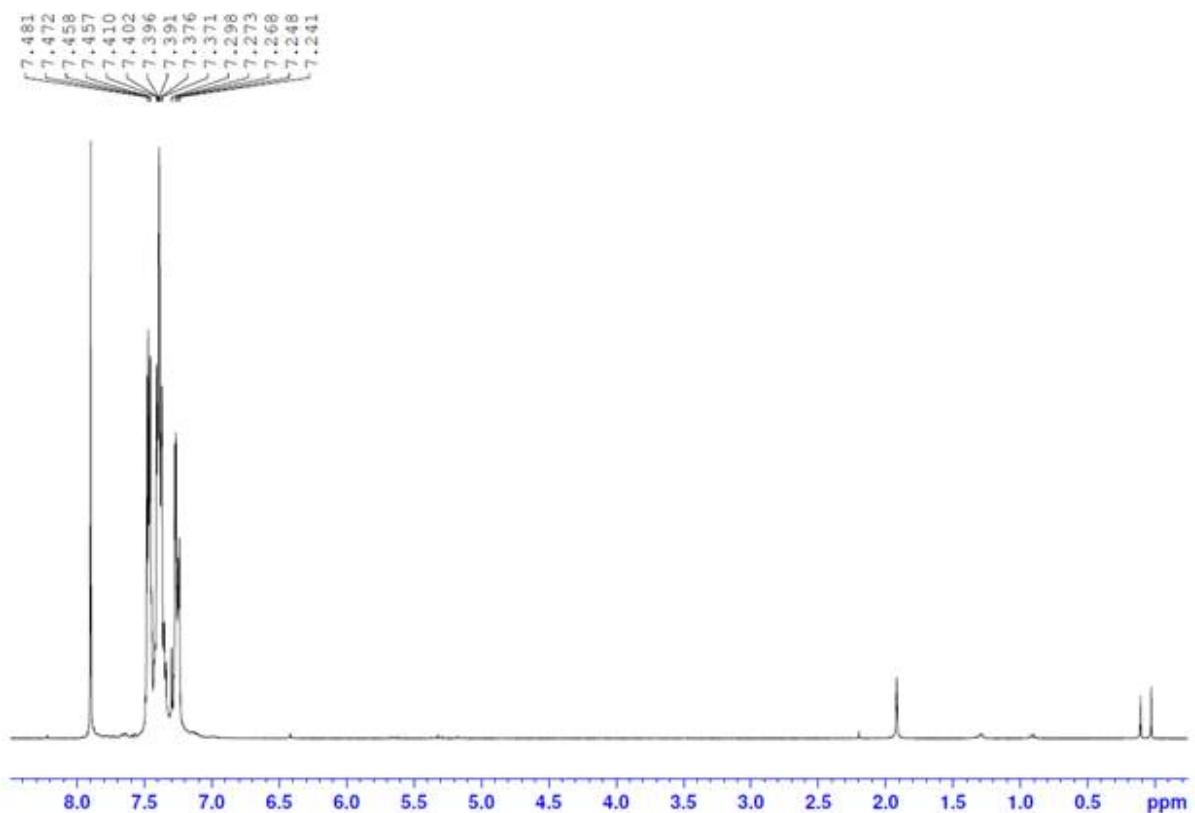
¹ Dipartimento di Chimica e Tecnologie Chimiche, Via P. Bucci, cubo 12C, Università della Calabria, 87036 Rende (CS), Italy;

² Dipartimento di Farmacia e Scienze della Salute e della Nutrizione, Edificio Polifunzionale, Università della Calabria, 87036 Rende (CS), Italy.

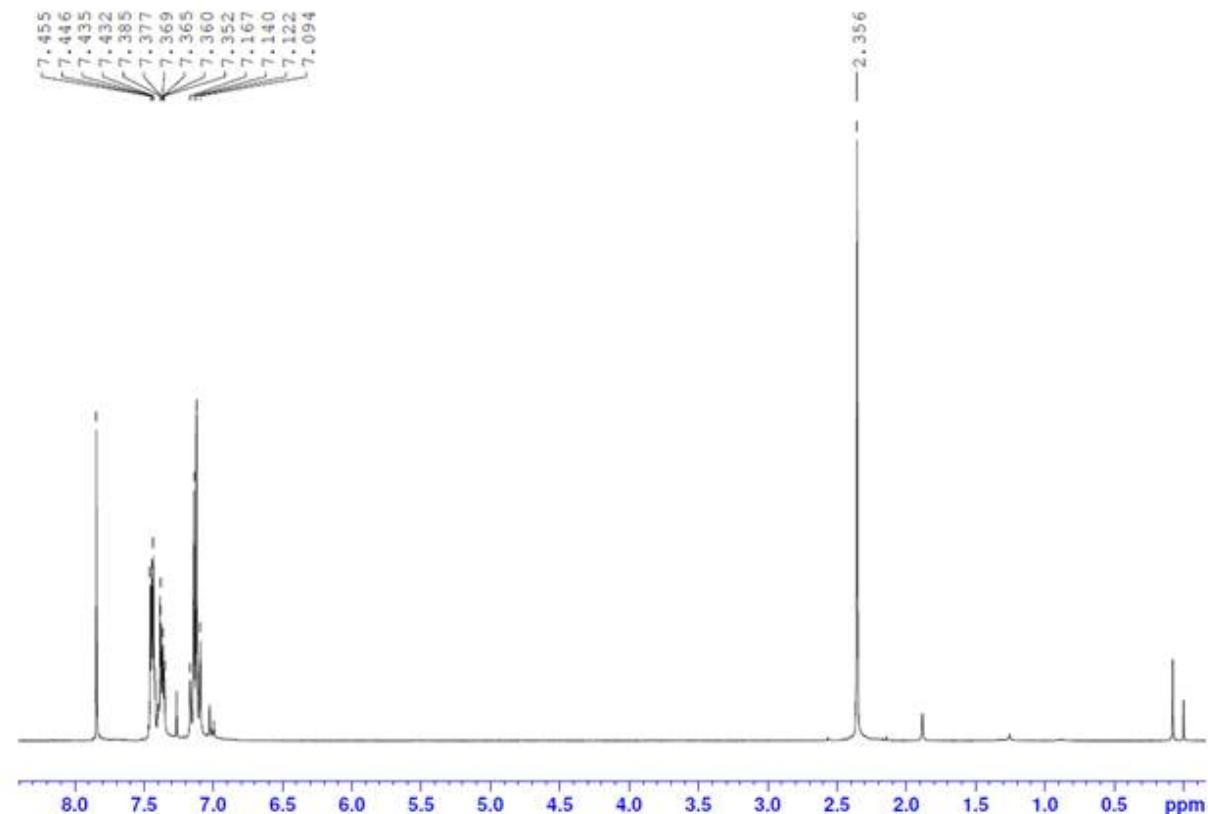
¹H NMR Spectra of 3a-3n.....	S-2
¹³C NMR Spectra of 3a-3n.....	S-9
ESI(+)-MS Spectra of 3a-3n.....	S-16

¹H-NMR Spectra of 3a-3n

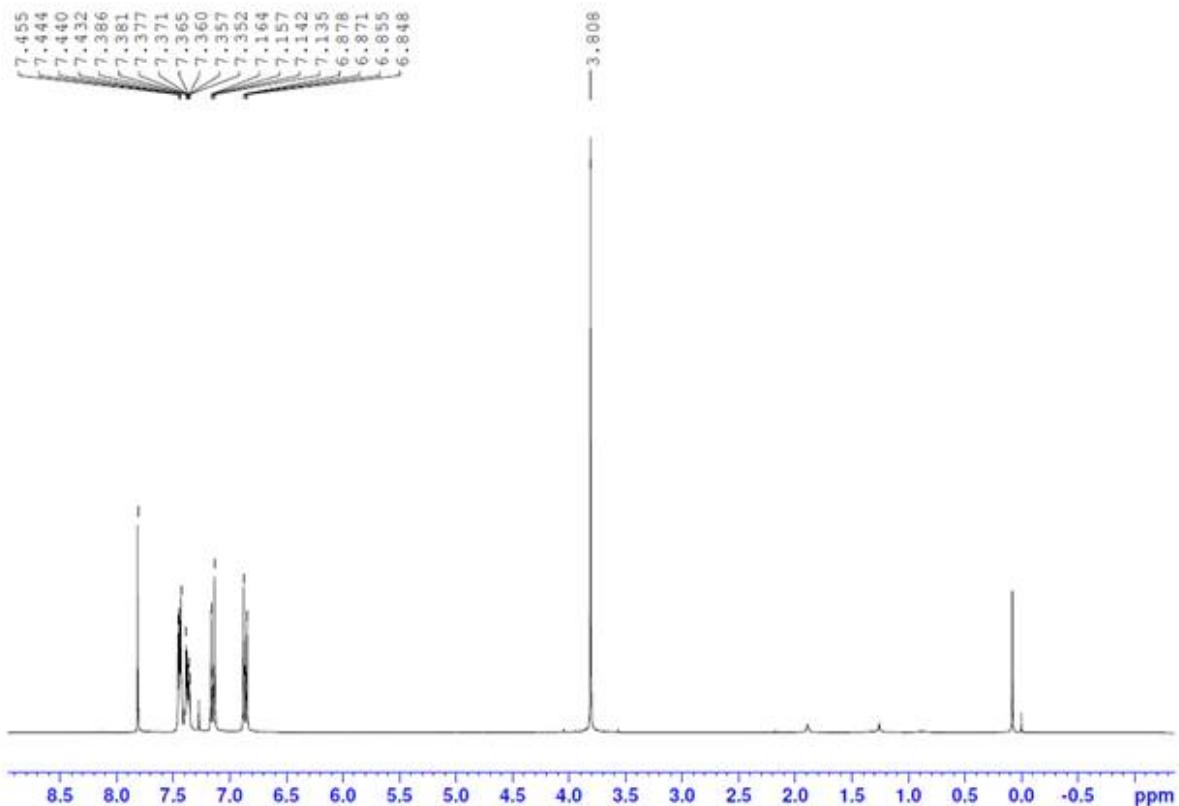
1,5-diphenyl-1,2,3-triazole (3a)



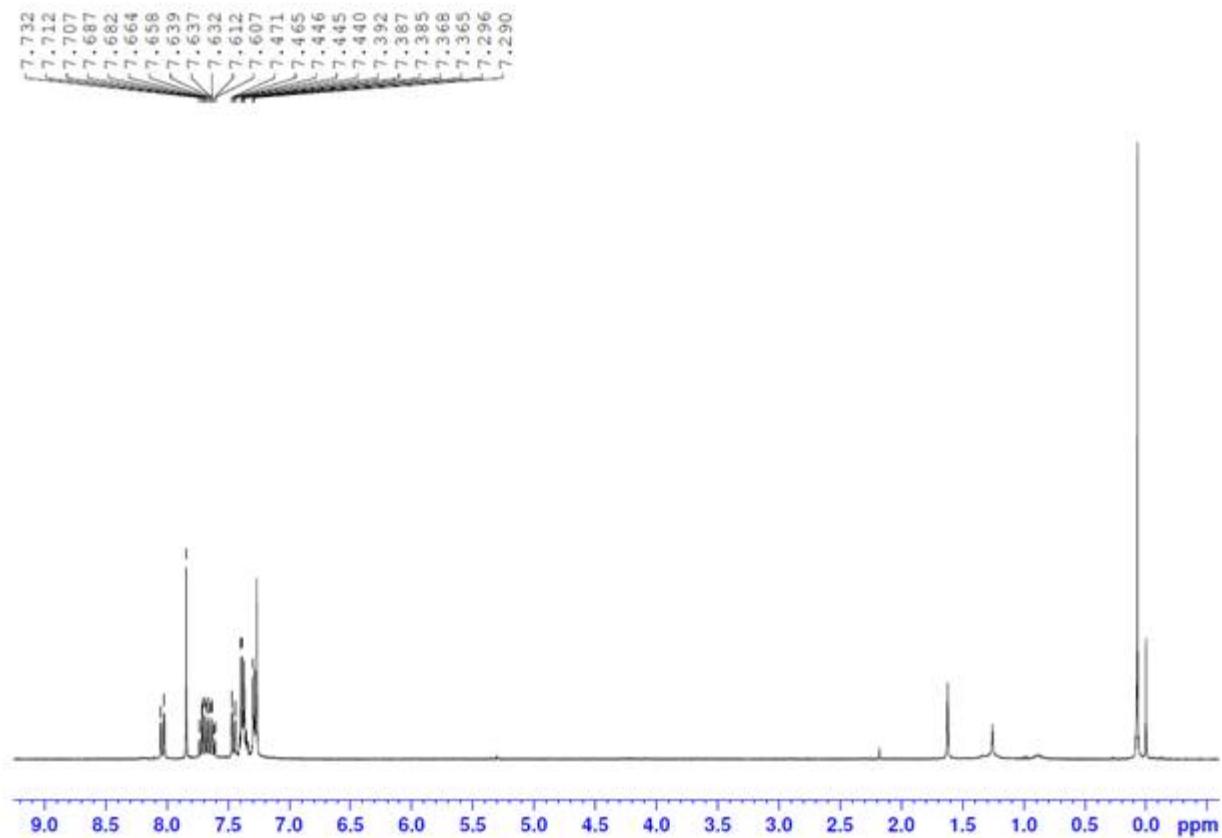
5-(4-methylphenyl)-1-phenyl-1,2,3-triazole (3b)



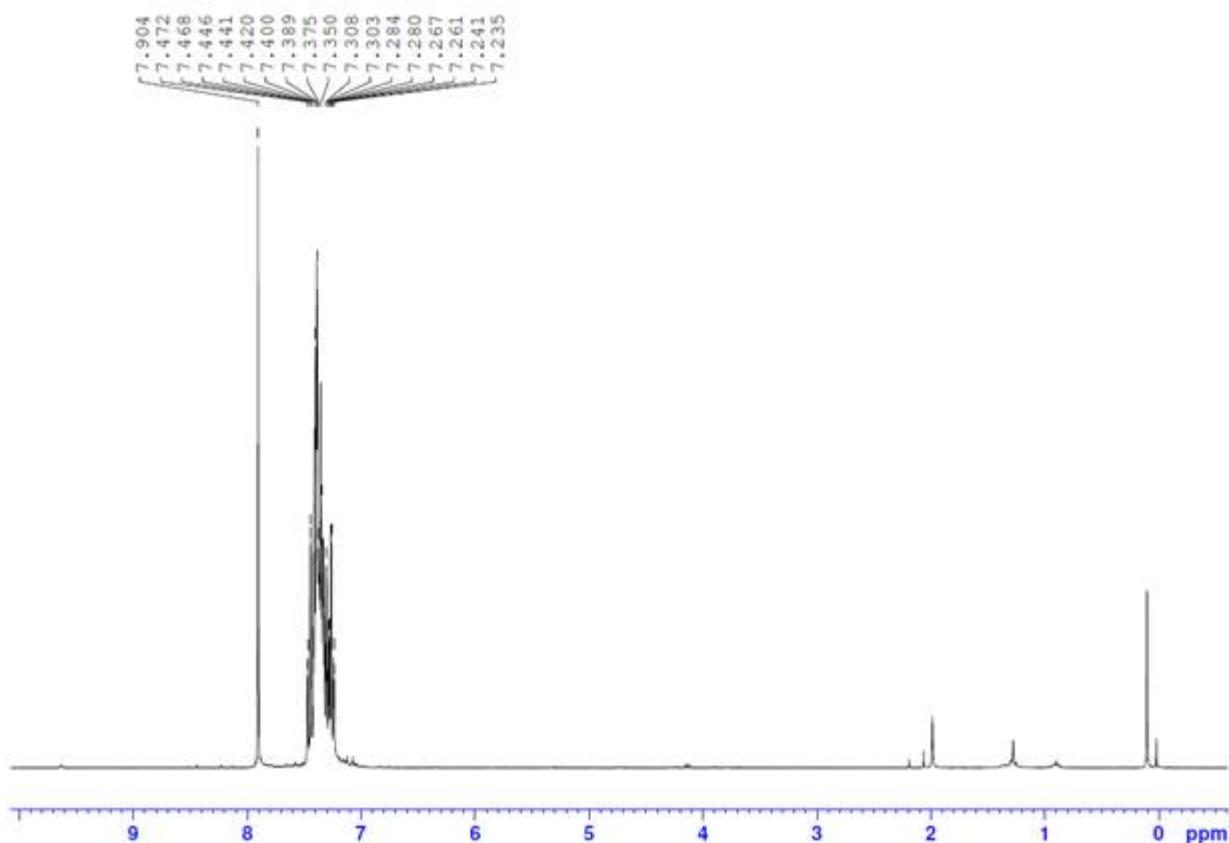
5-(4-methoxyphenyl)-1-phenyl-1,2,3-triazole (3c)



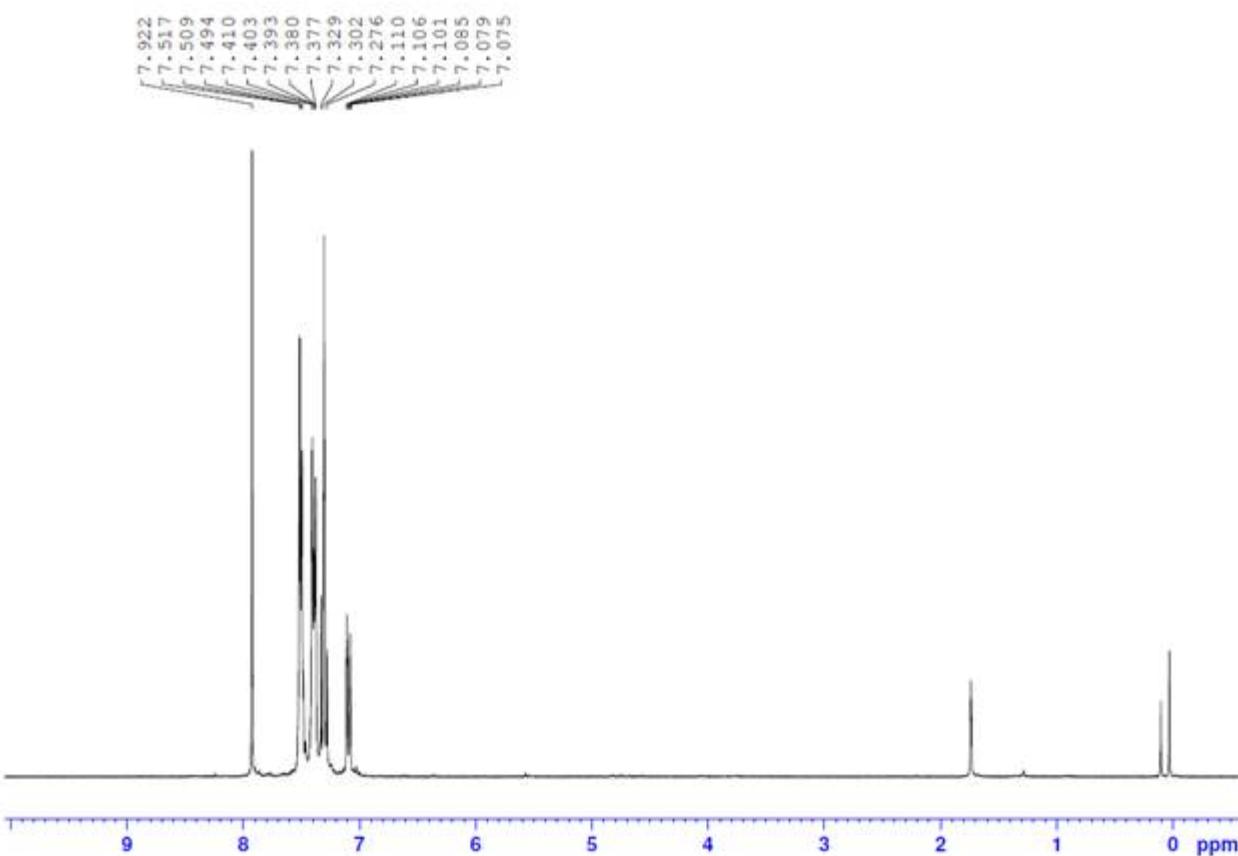
5-(2-nitrophenyl)-1-phenyl-1,2,3-triazole (3d)



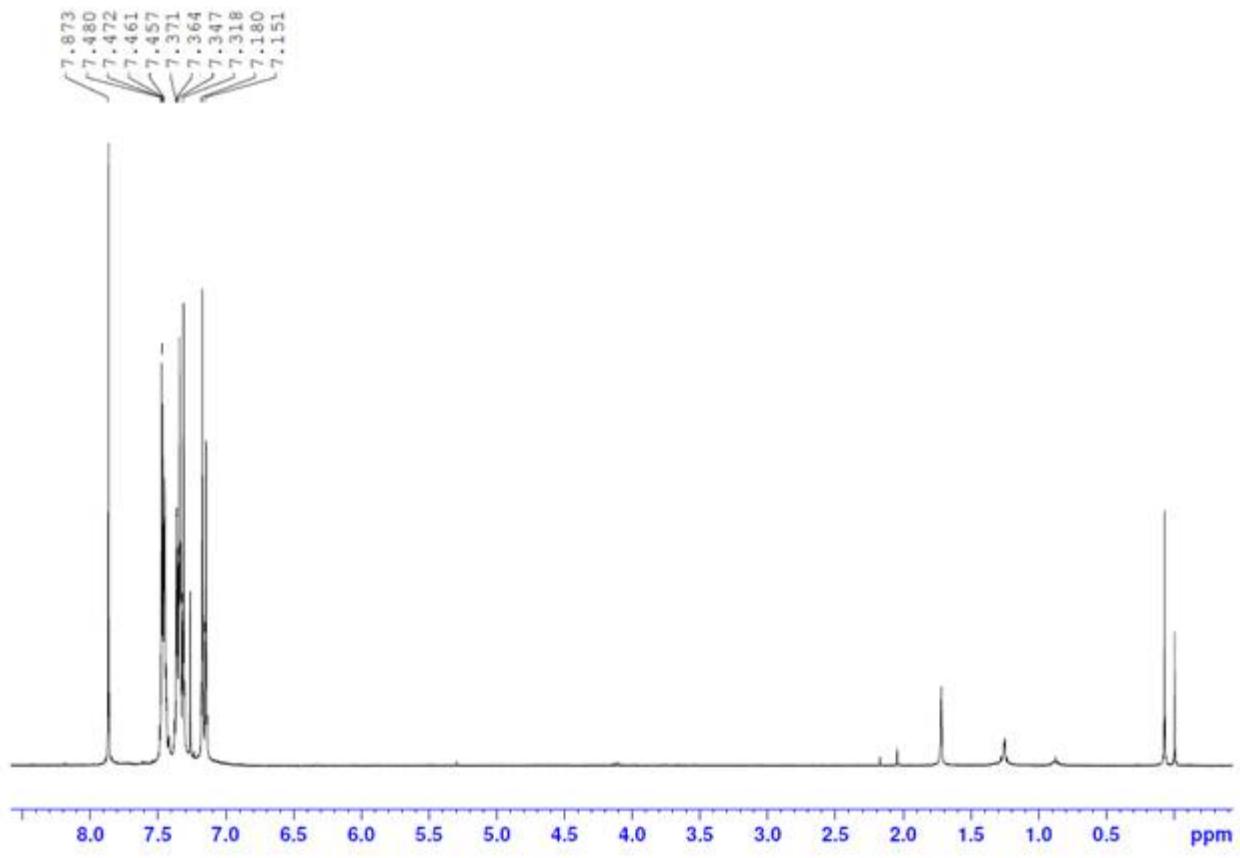
5-(2-chlorophenyl)-1-phenyl-1,2,3-triazole (3e)



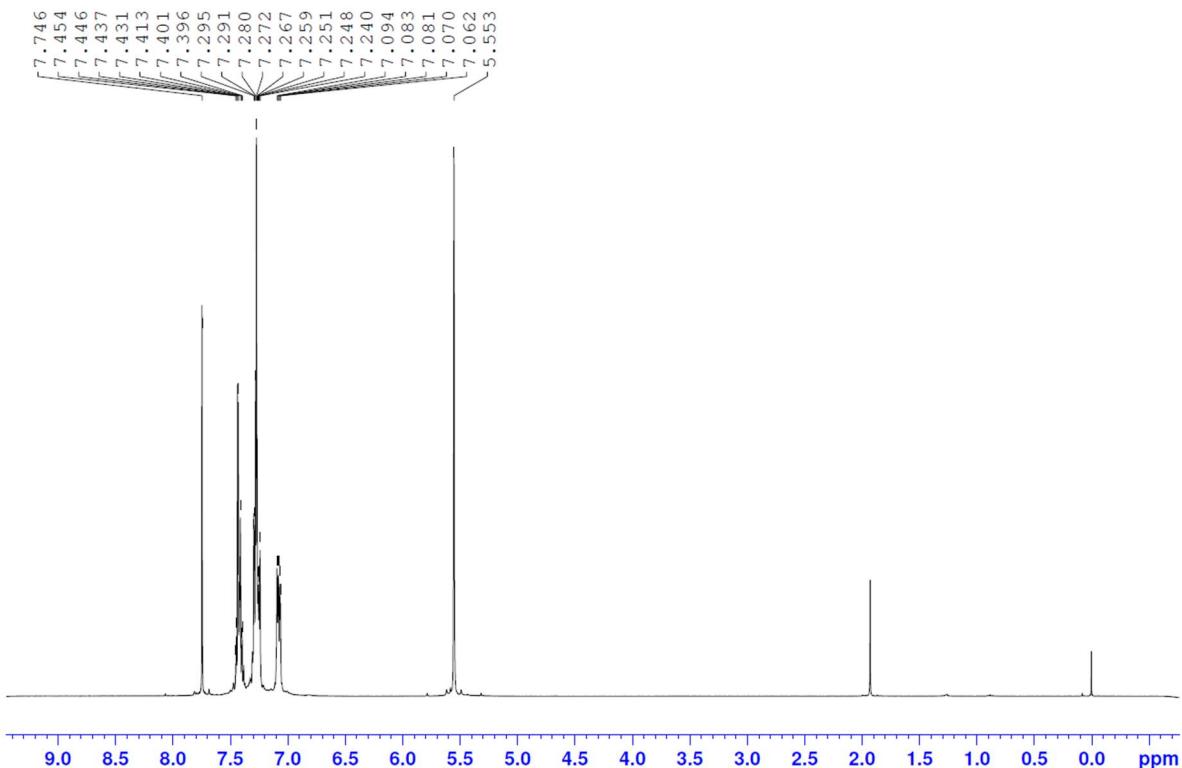
5-(3-chlorophenyl)-1-phenyl-1,2,3-triazole (3f)



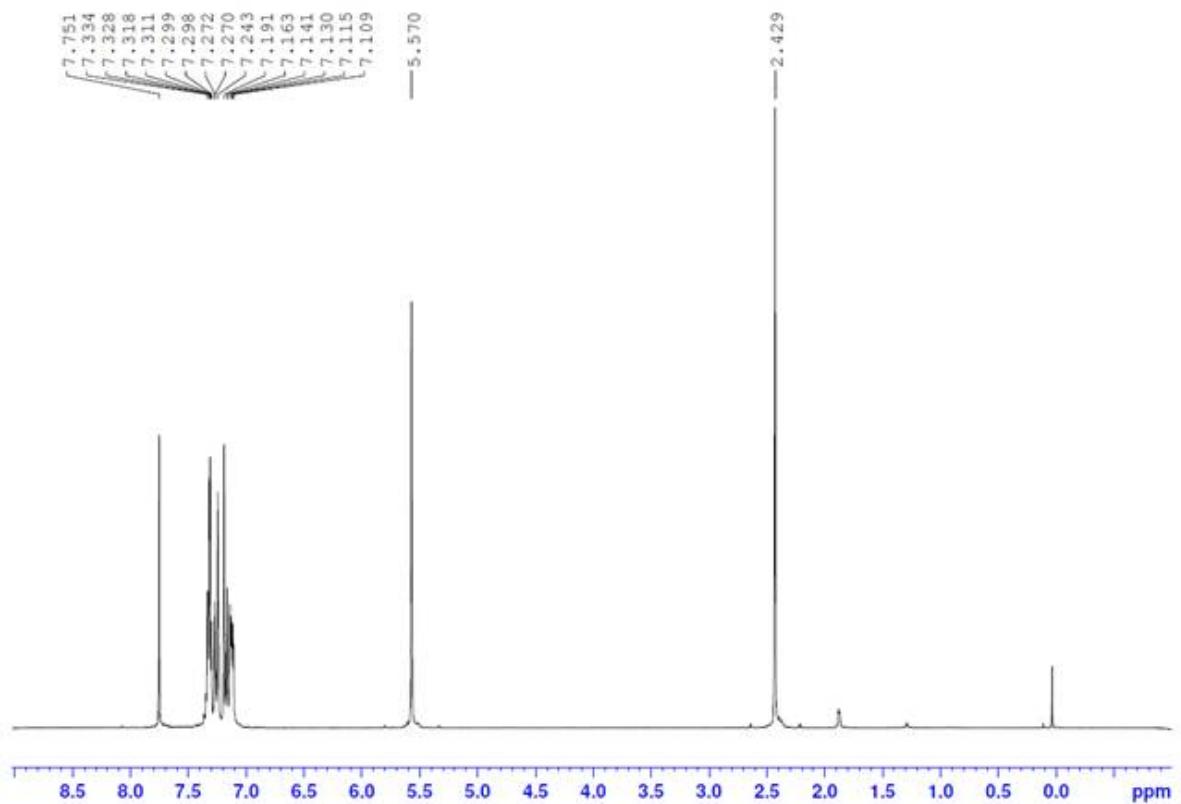
5-(4-chlorophenyl)-1-phenyl-1,2,3-triazole (3g)



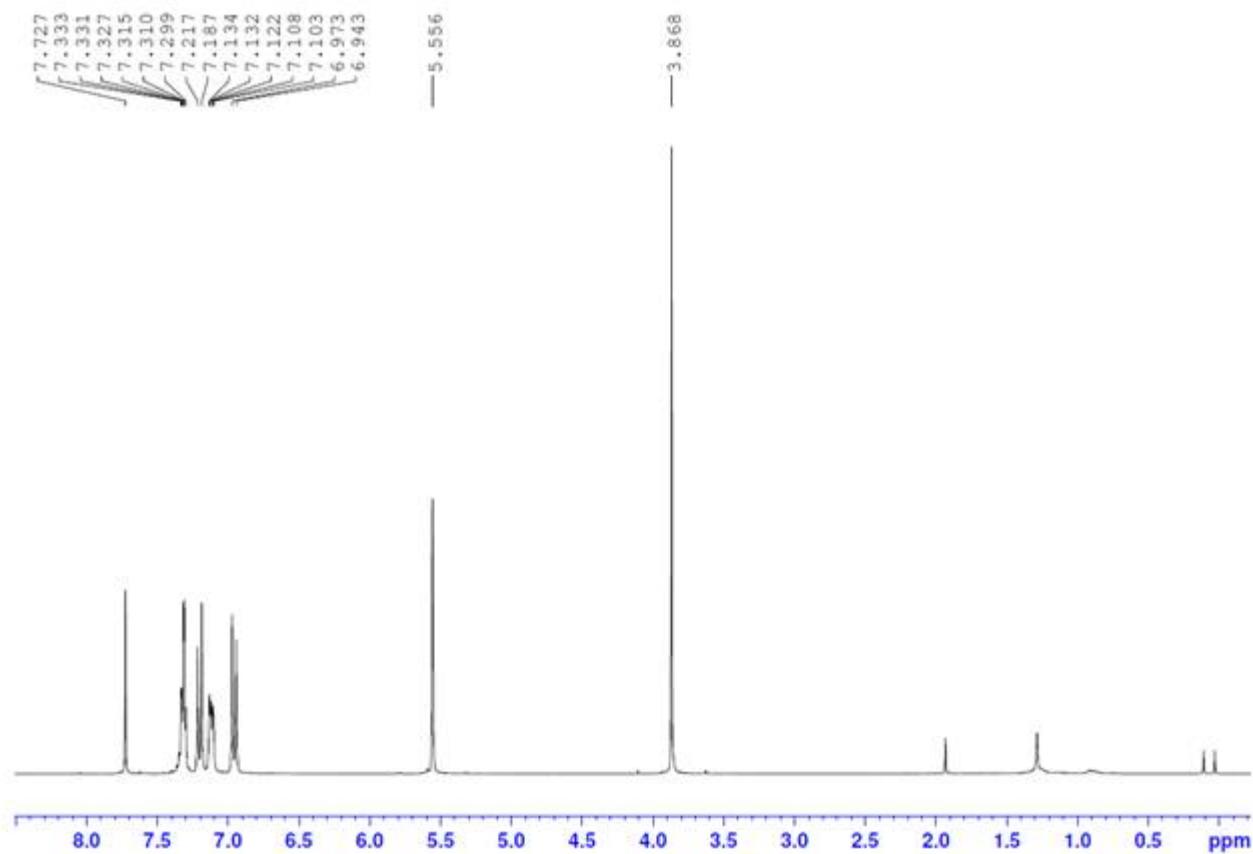
1-benzyl-5-phenyl-1,2,3-triazole (3h)



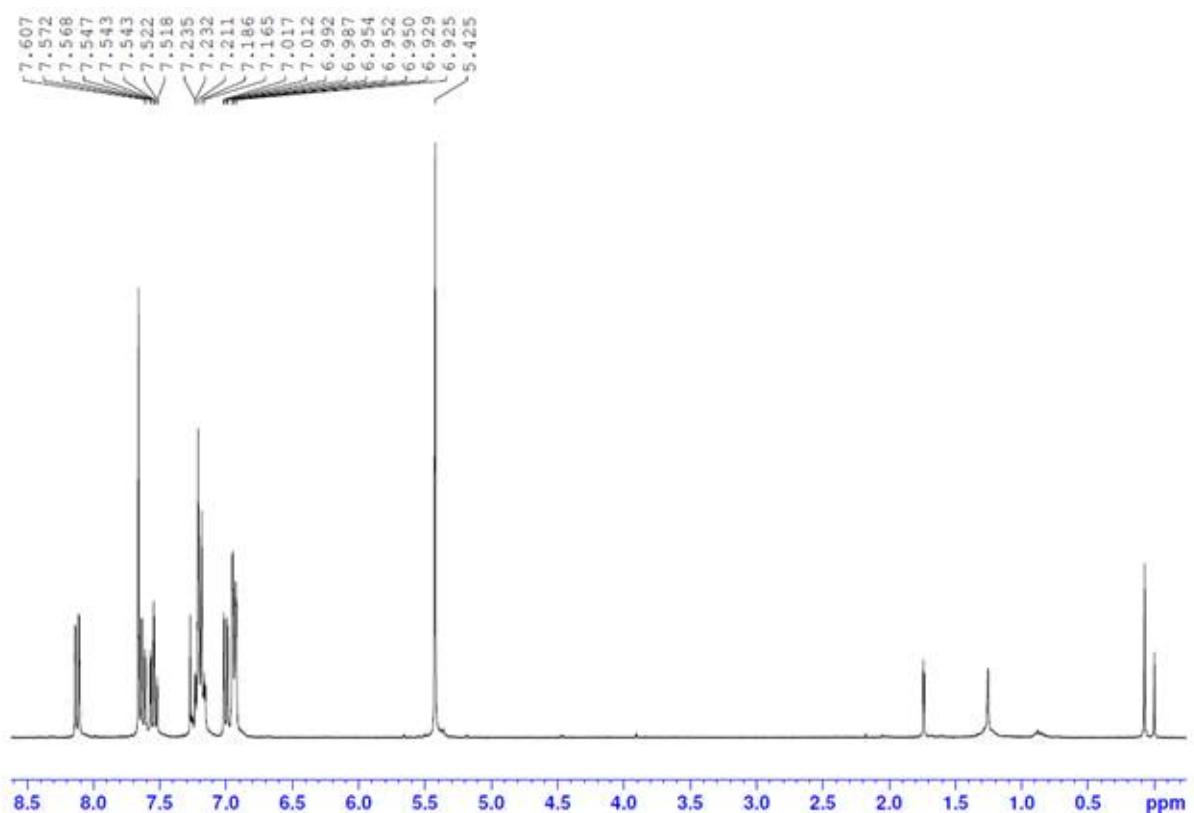
1-benzyl-5-(4-methylphenyl)-1,2,3-triazole (3i)



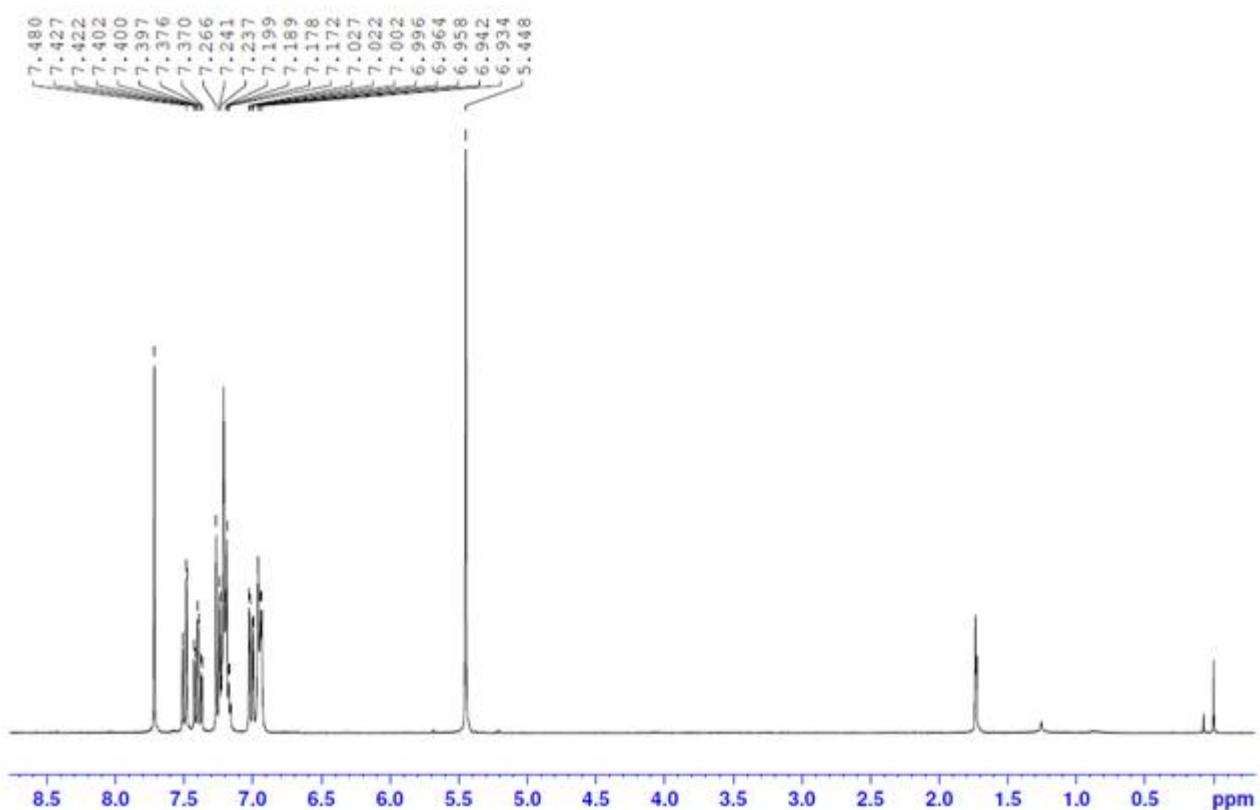
1-benzyl-5-(4-methoxyphenyl)-1,2,3-triazole (3j)



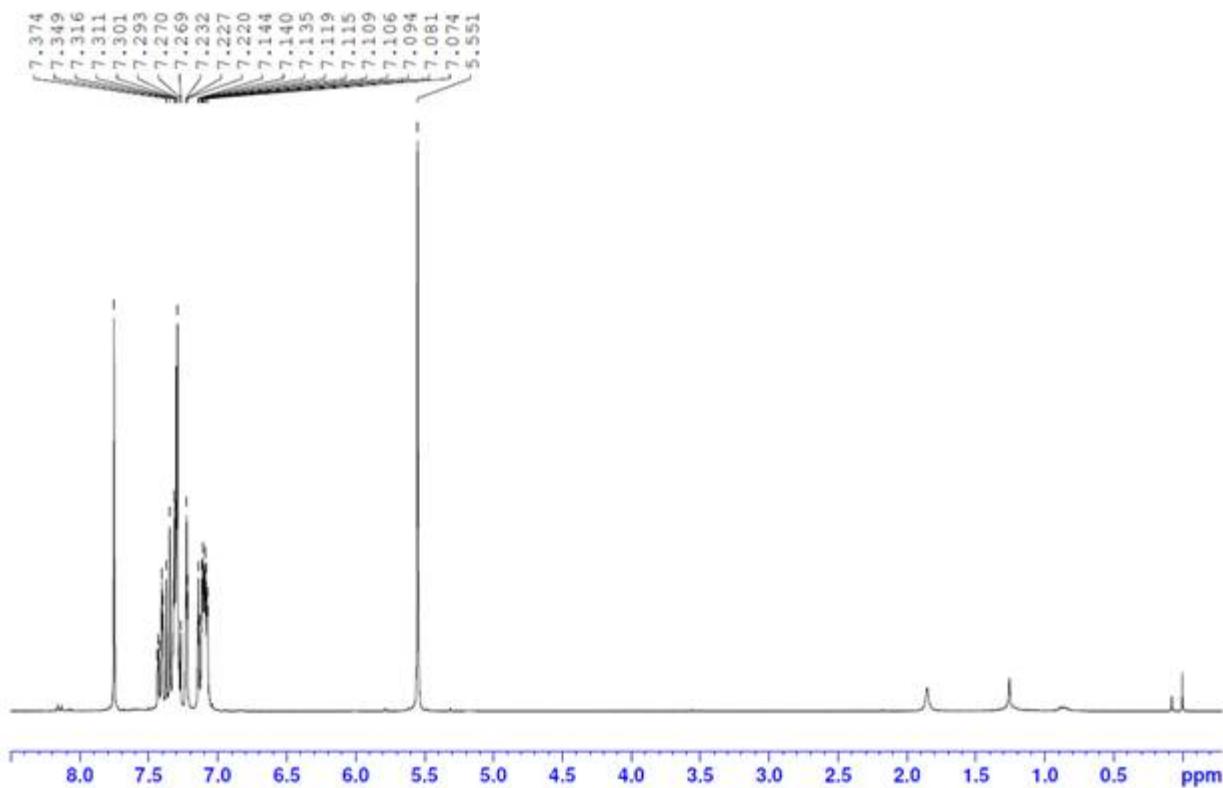
1-benzyl-5-(2-nitrophenyl)-1,2,3-triazole (3k)



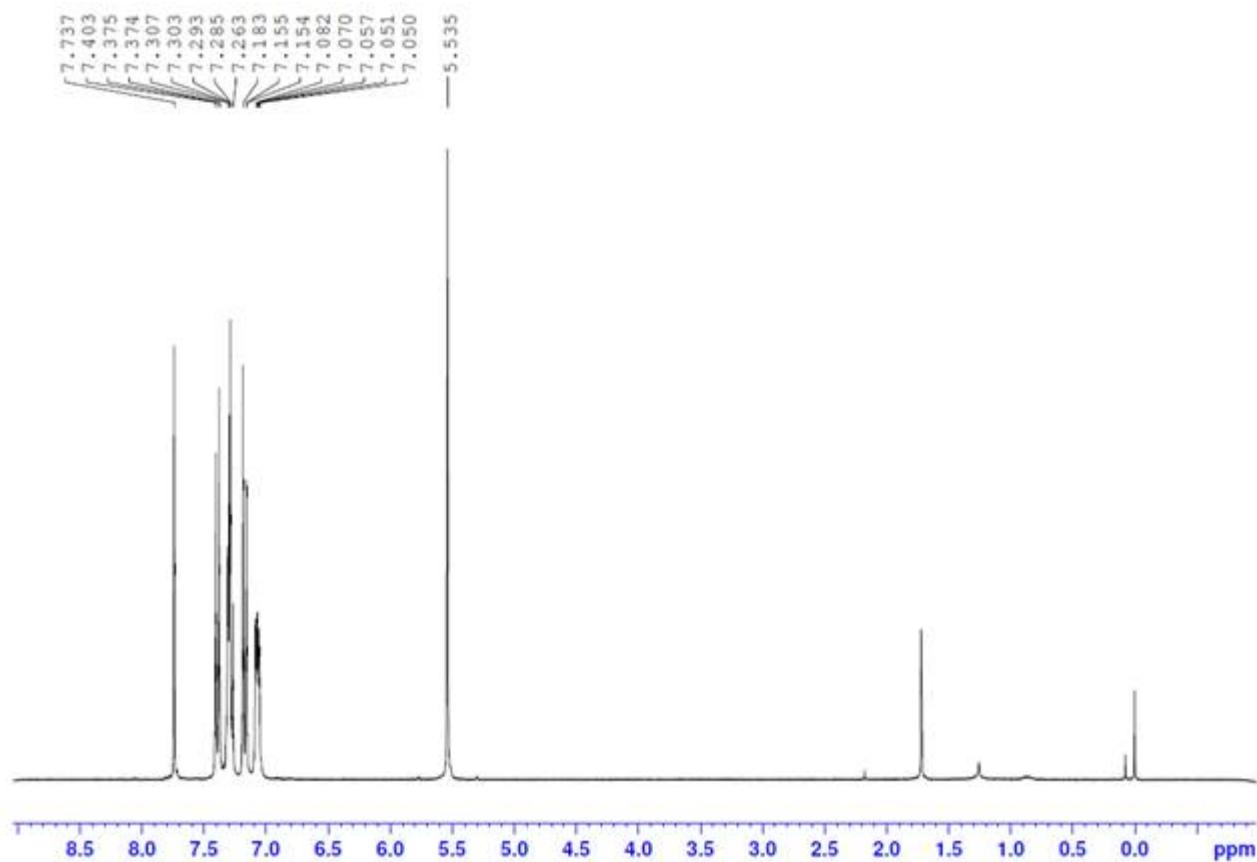
1-benzyl-5-(2-chlorophenyl)-1,2,3-triazole (3l)



1-benzyl-5-(3-chlorophenyl)-1,2,3-triazole (3m)

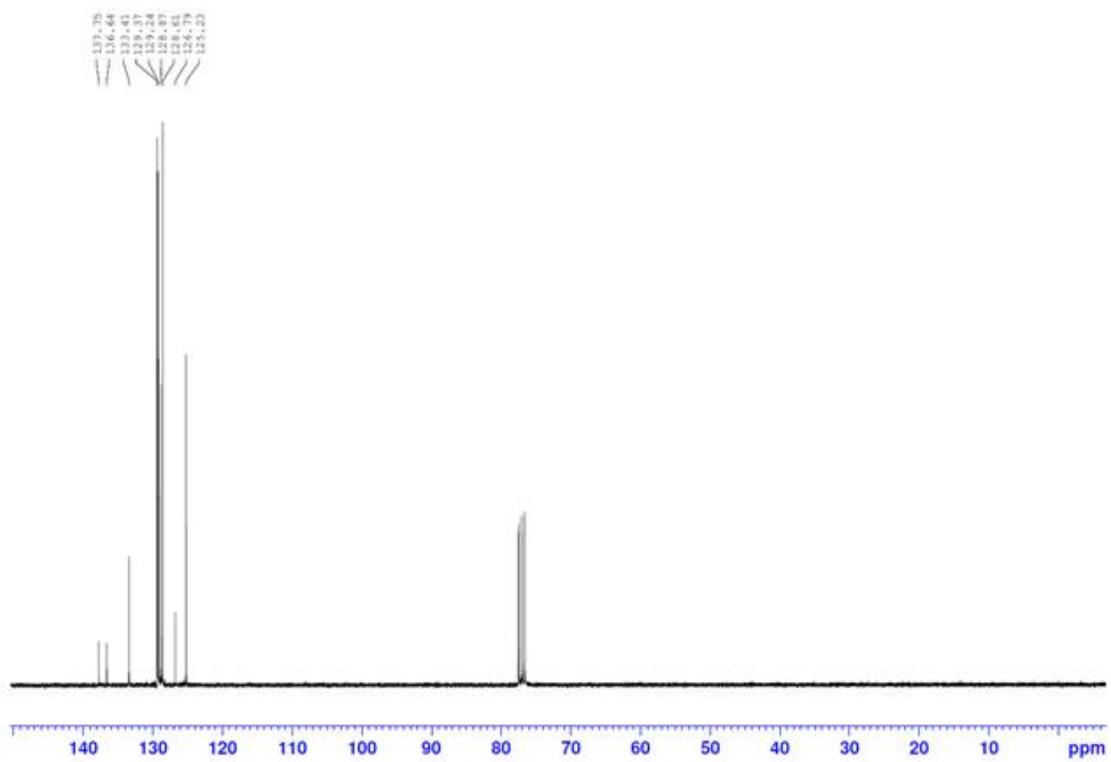


1-benzyl-5-(4-chlorophenyl)-1,2,3-triazole (3n)

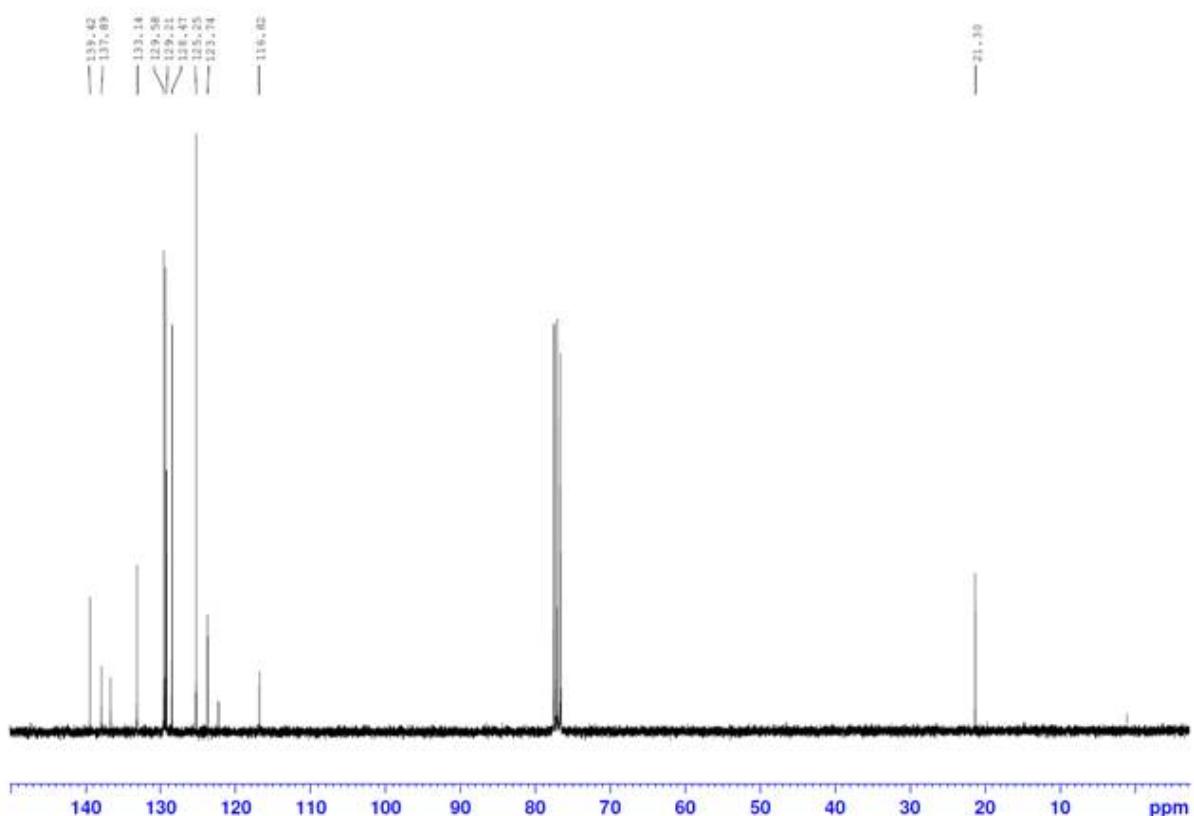


¹³C-NMR Spectra of 3a-3n

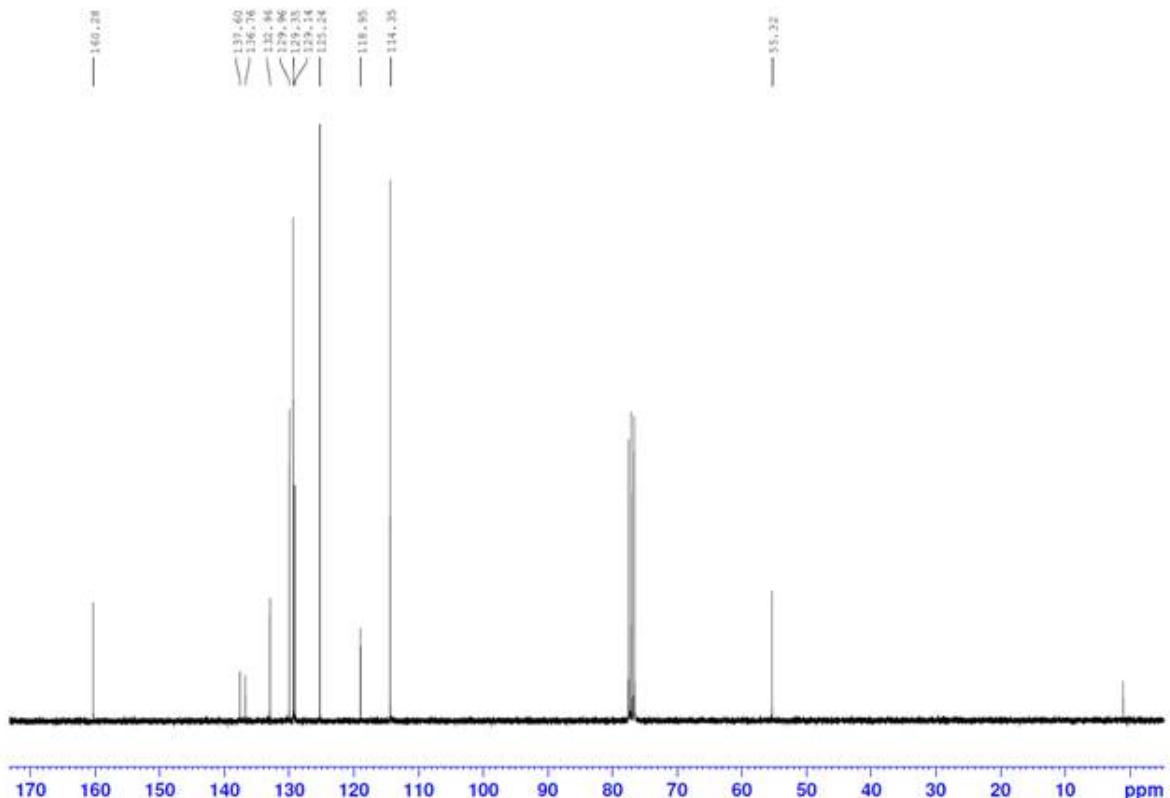
1,5-diphenyl-1,2,3-triazole (3a)



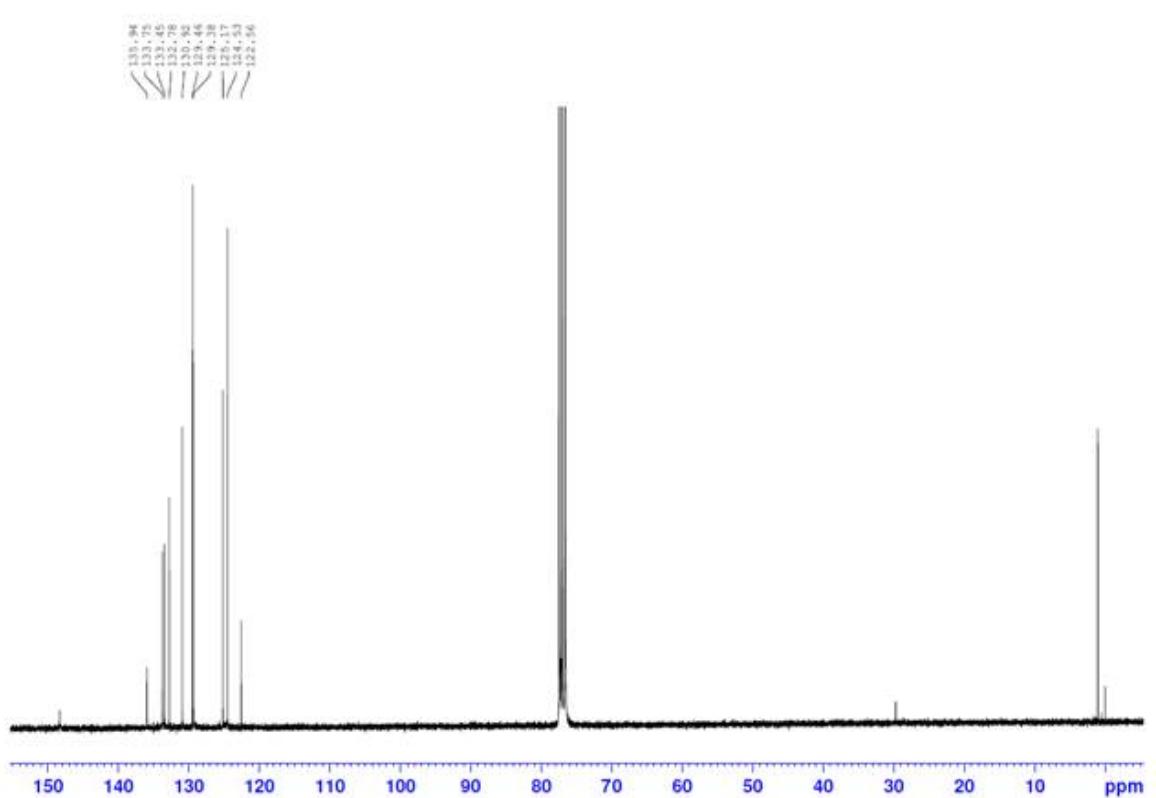
5-(4-methylphenyl)-1-phenyl-1,2,3-triazole (3b)



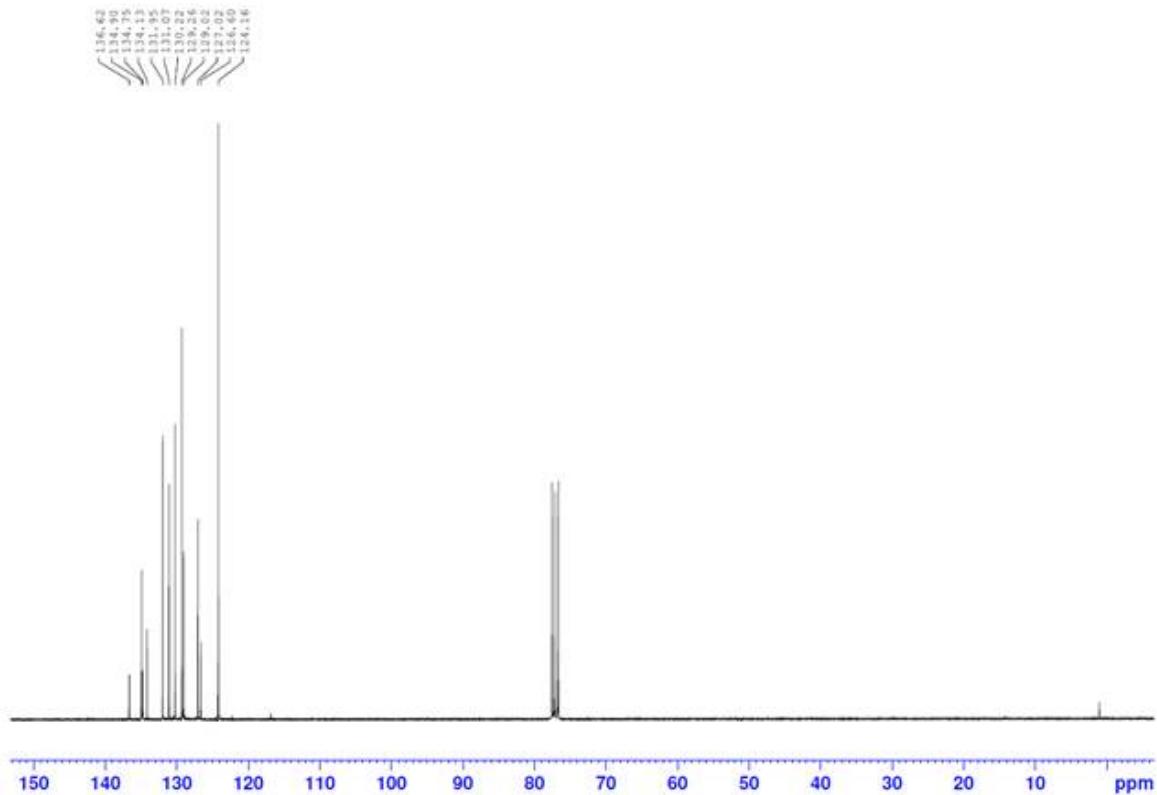
5-(4-methoxyphenyl)-1-phenyl-1,2,3-triazole (3c)



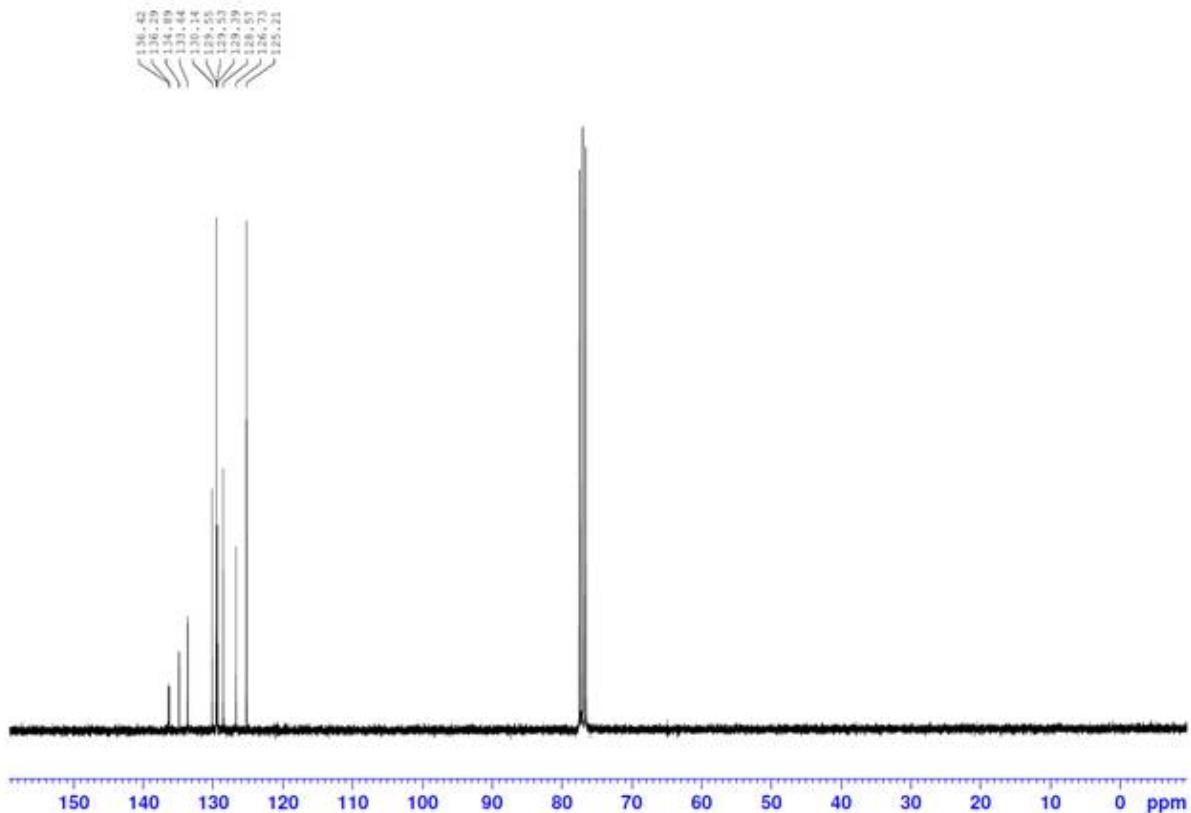
5-(2-nitrophenyl)-1-phenyl-1,2,3-triazole (3d)



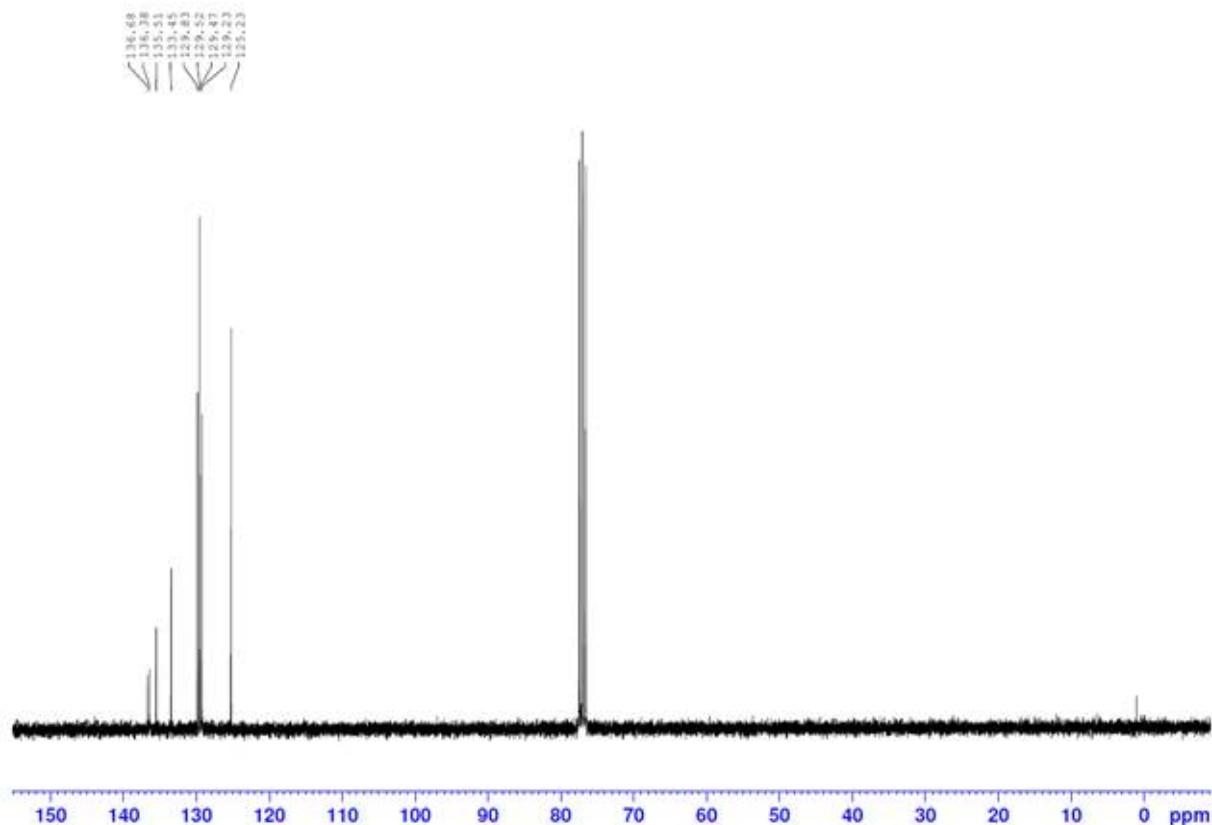
5-(2-chlorophenyl)-1-phenyl-1,2,3-triazole (3e)



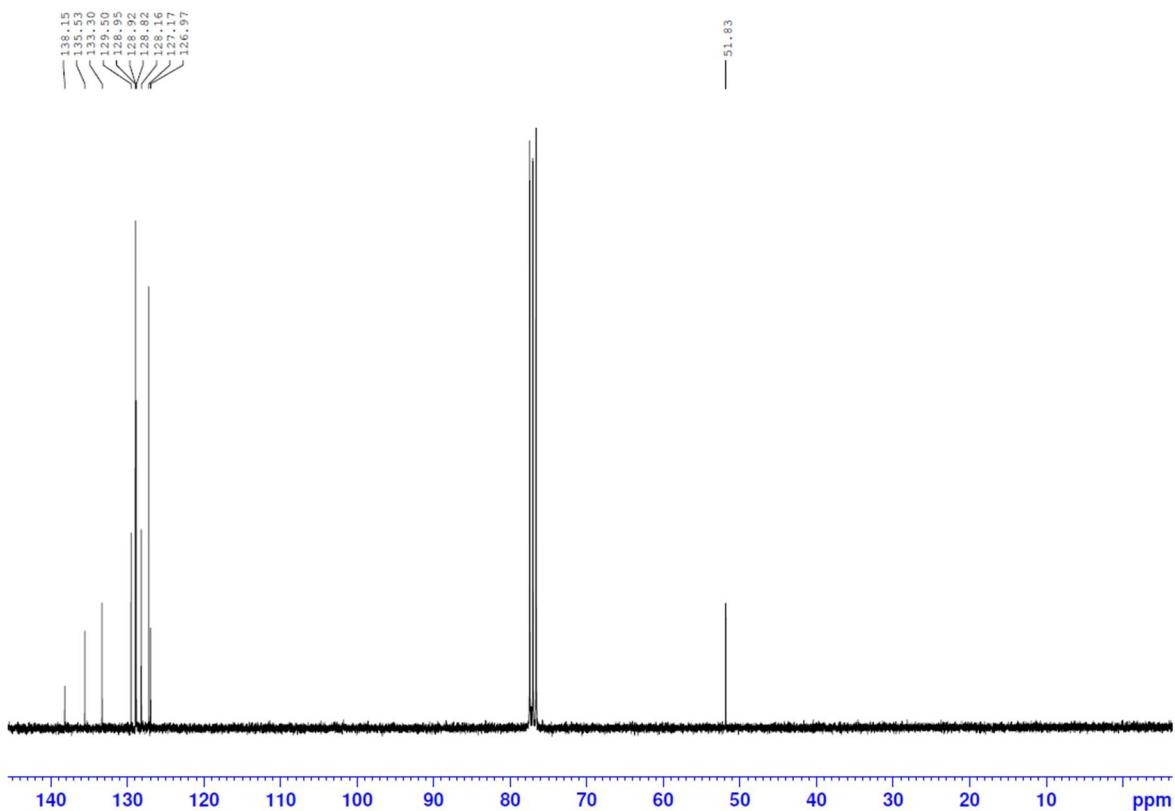
5-(3-chlorophenyl)-1-phenyl-1,2,3-triazole (3f)



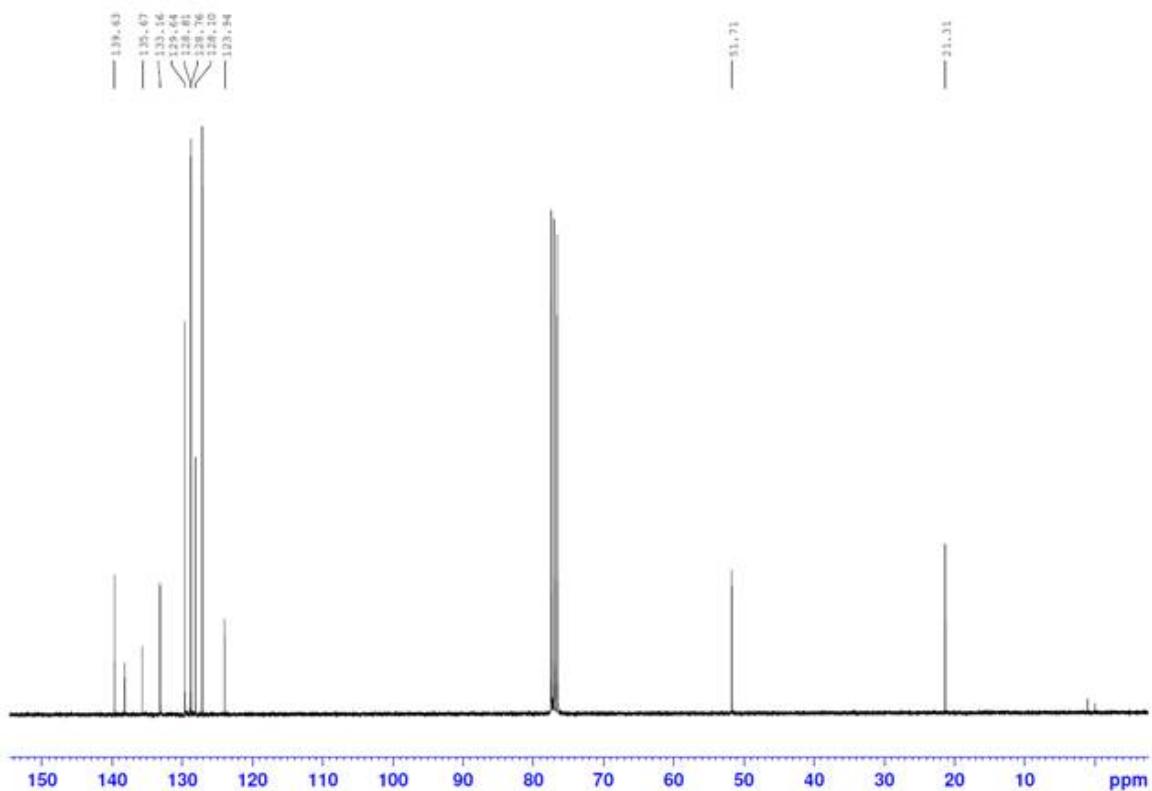
5-(4-chlorophenyl)-1-phenyl-1,2,3-triazole (3g)



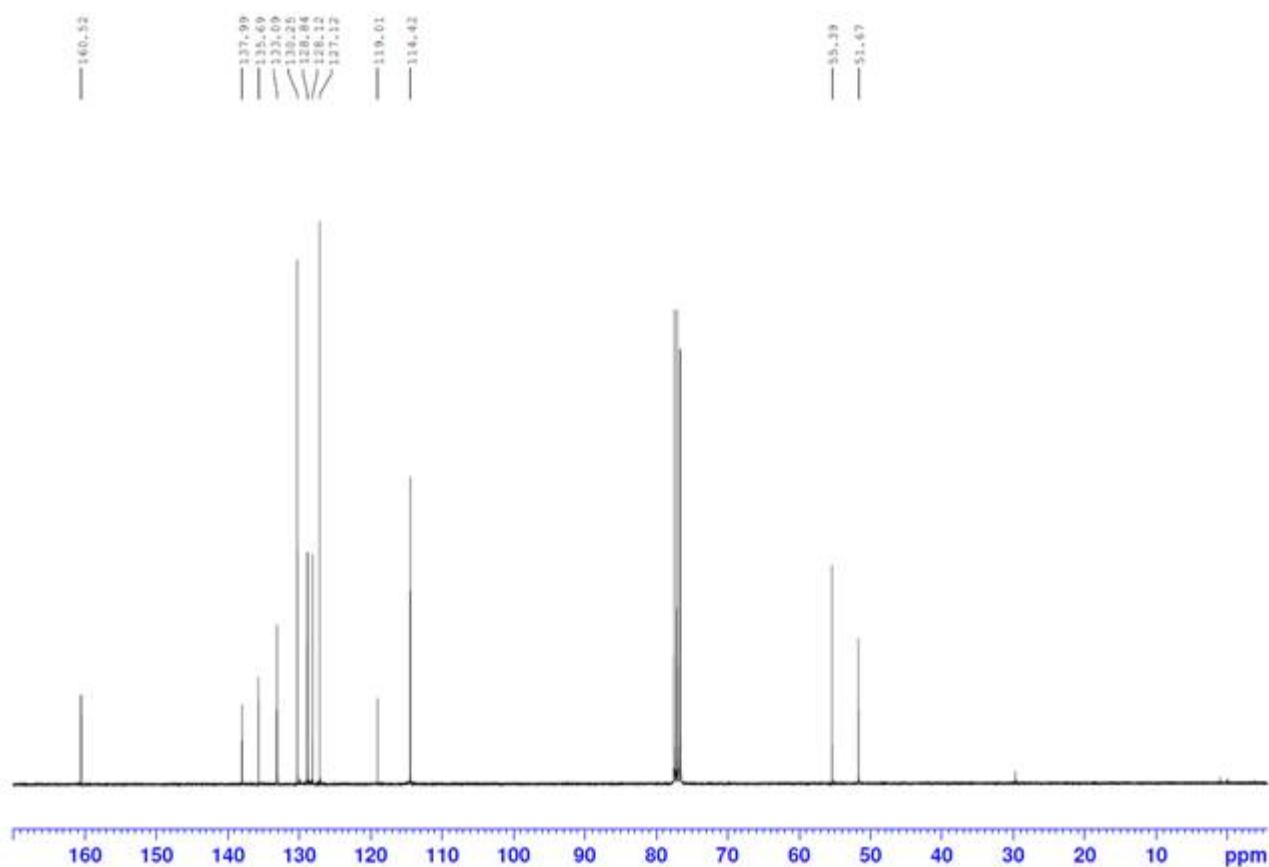
1-benzyl-5-phenyl-1,2,3-triazole (3h)



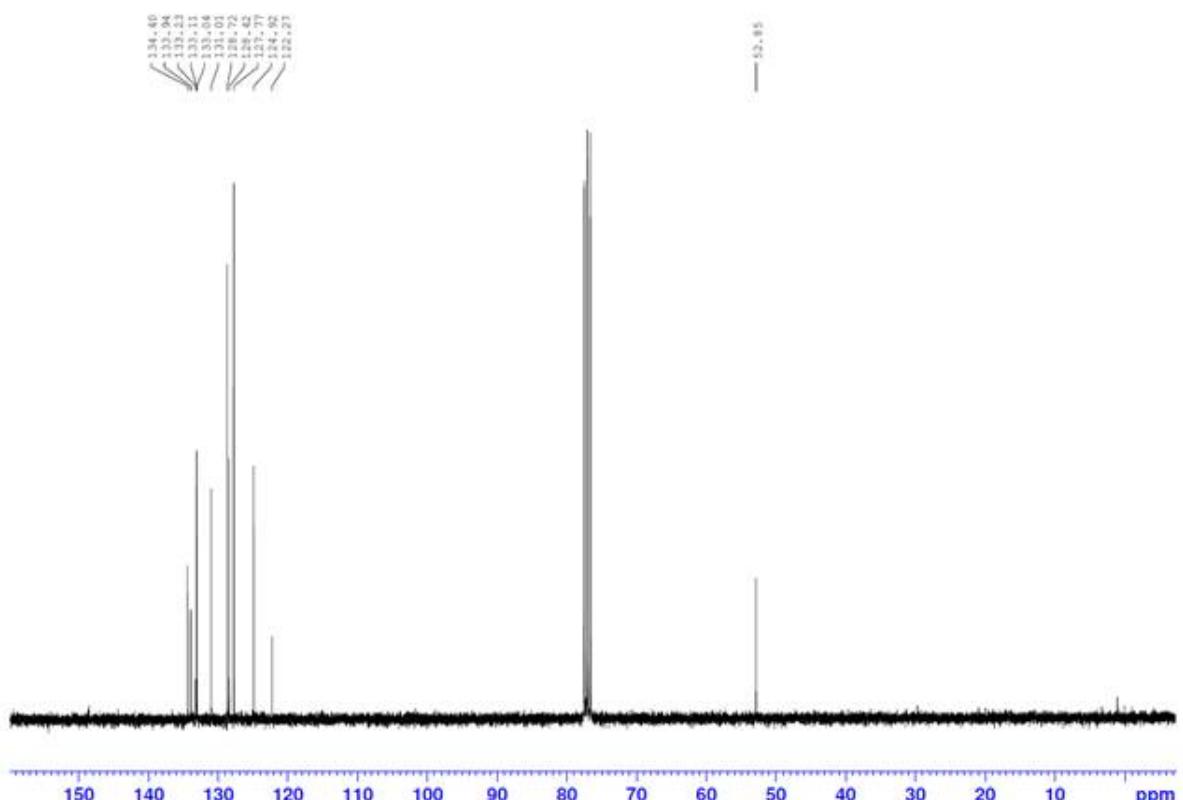
1-benzyl-5-(4-methylphenyl)-1,2,3-triazole (3i)



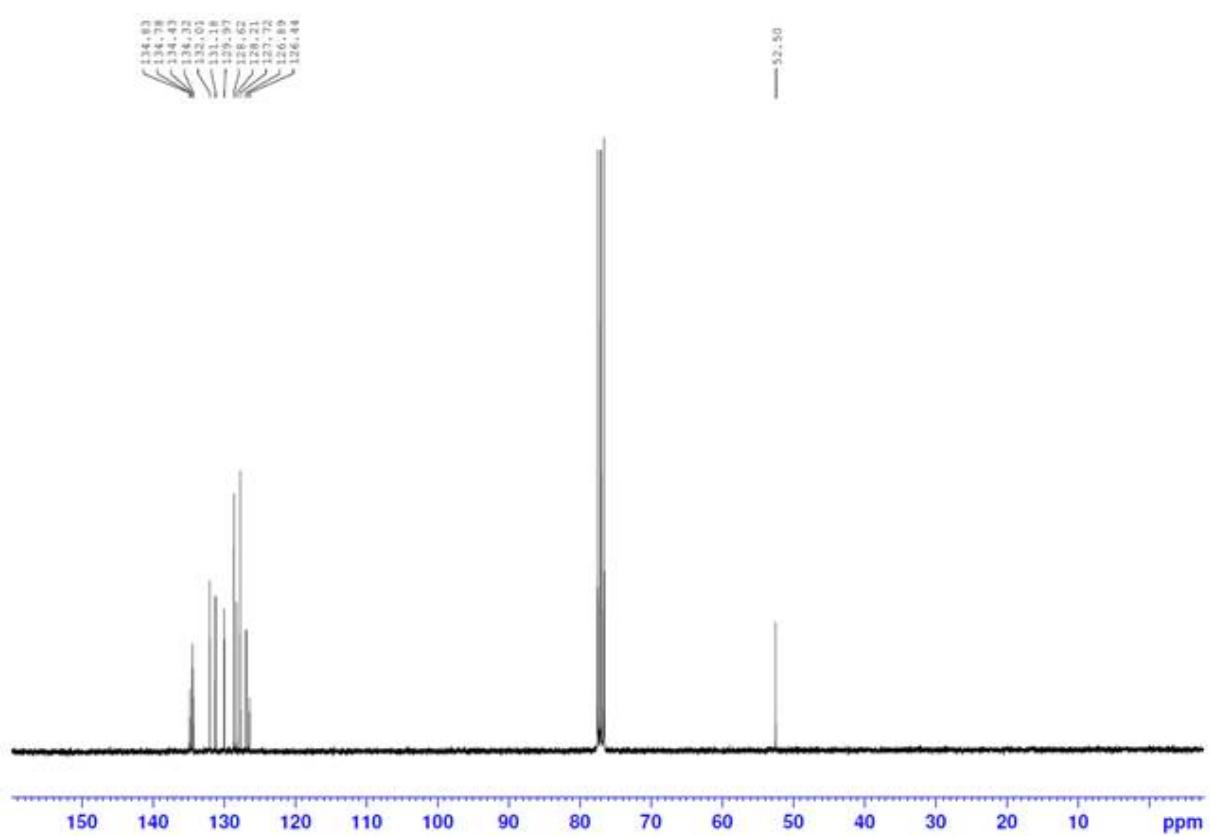
1-benzyl-5-(4-methoxyphenyl)-1,2,3-triazole (3j)



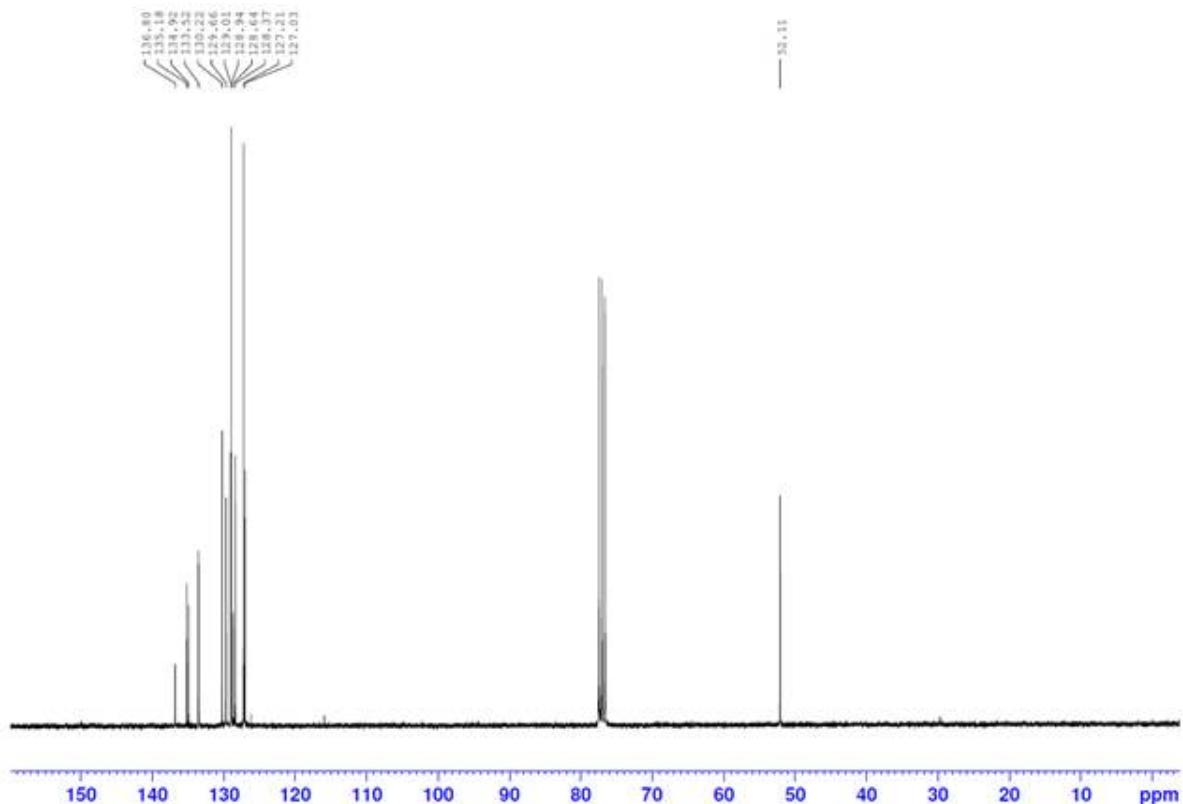
1-benzyl-5-(2-nitrophenyl)-1,2,3-triazole (3k)



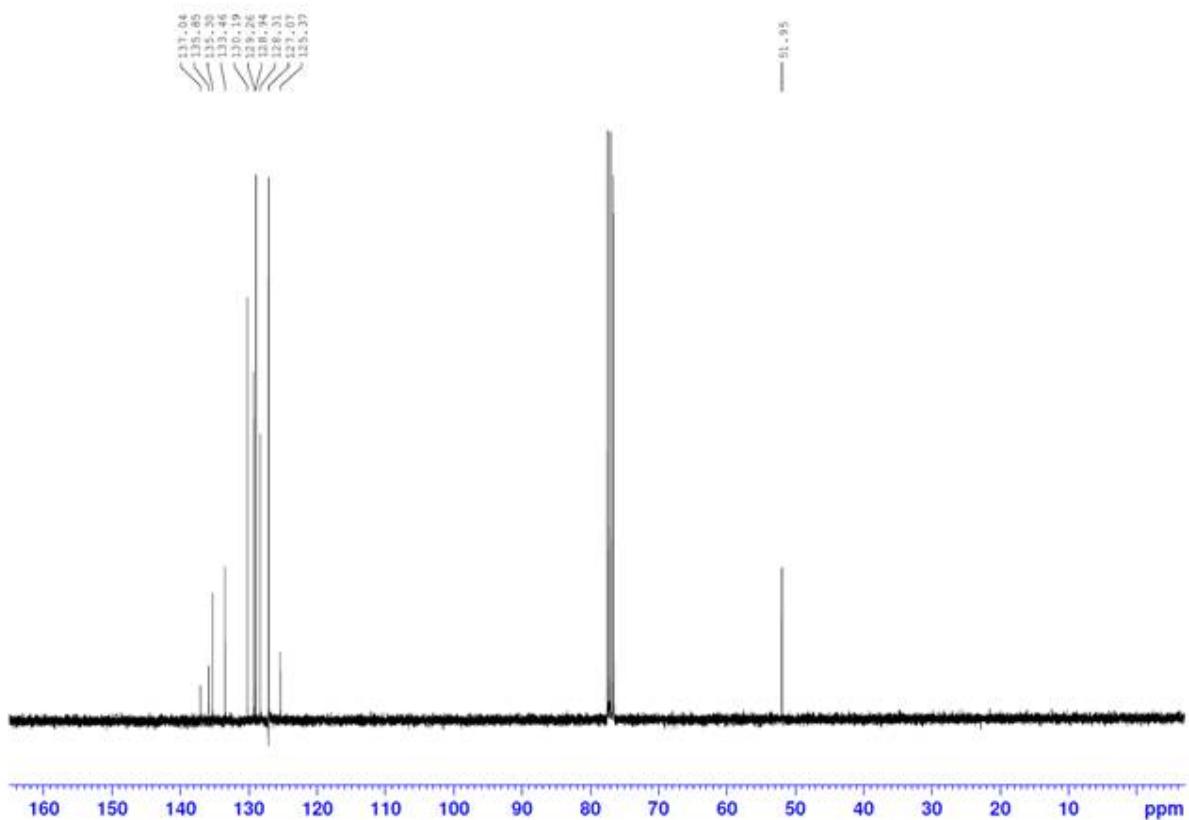
1-benzyl-5-(2-chlorophenyl)-1,2,3-triazole (3l)



1-benzyl-5-(3-chlorophenyl)-1,2,3-triazole (3m)

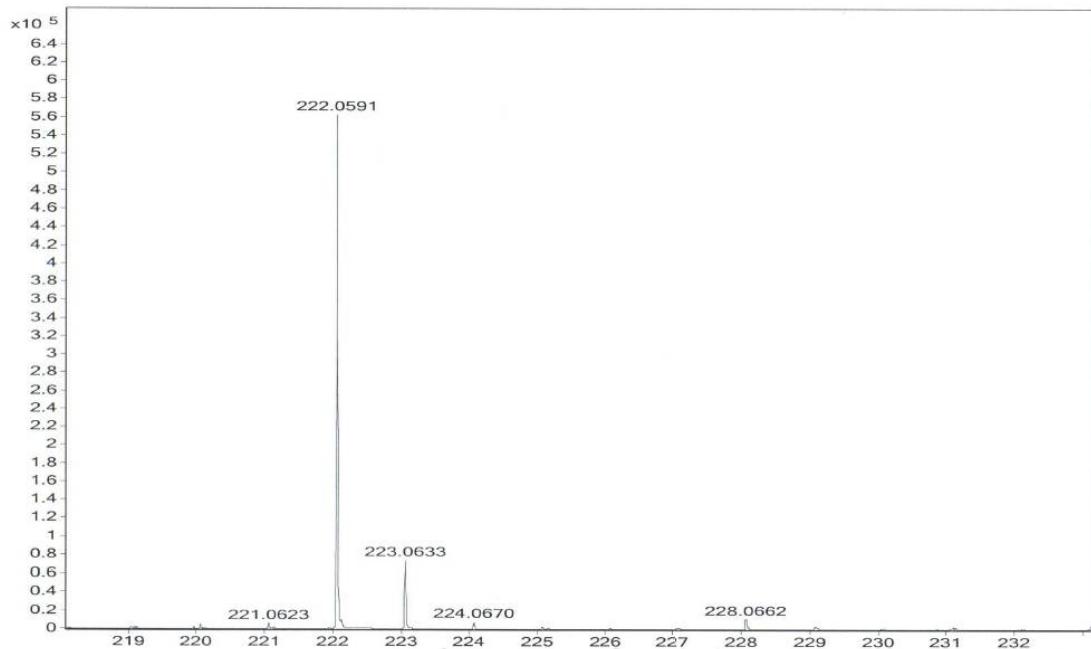


1-benzyl-5-(4-chlorophenyl)-1,2,3-triazole (3n)

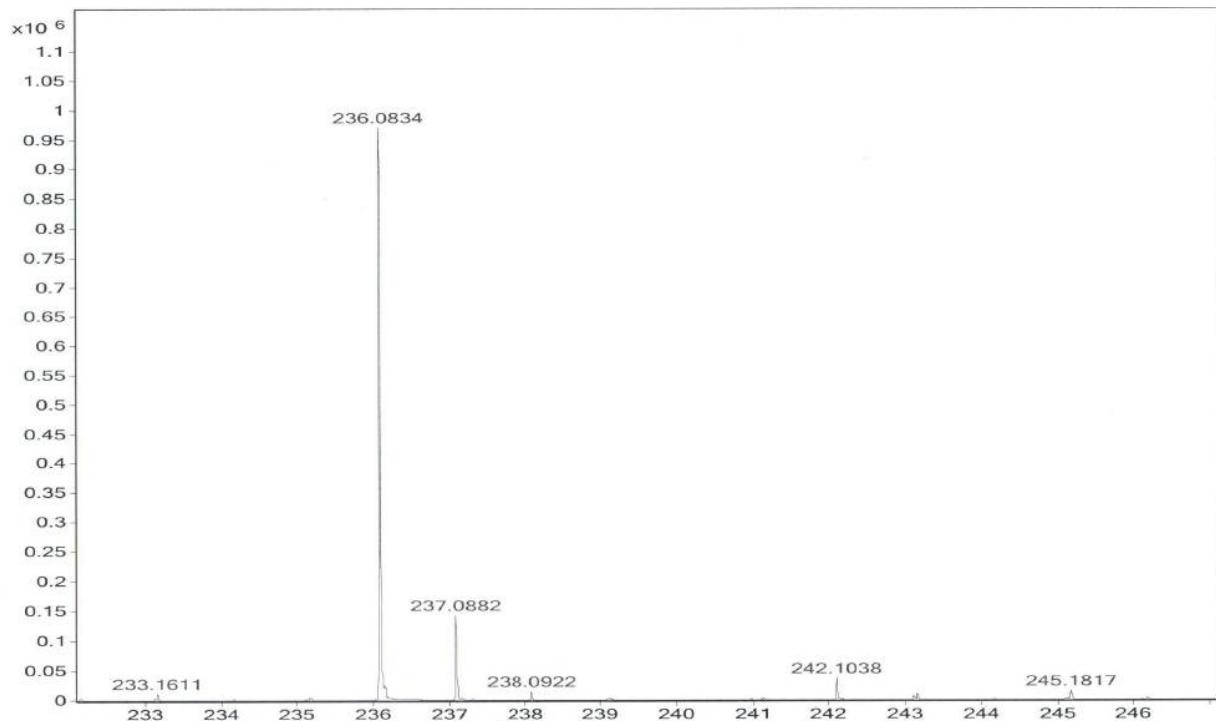


ESI(+)-MS Spectra of 3a-3n

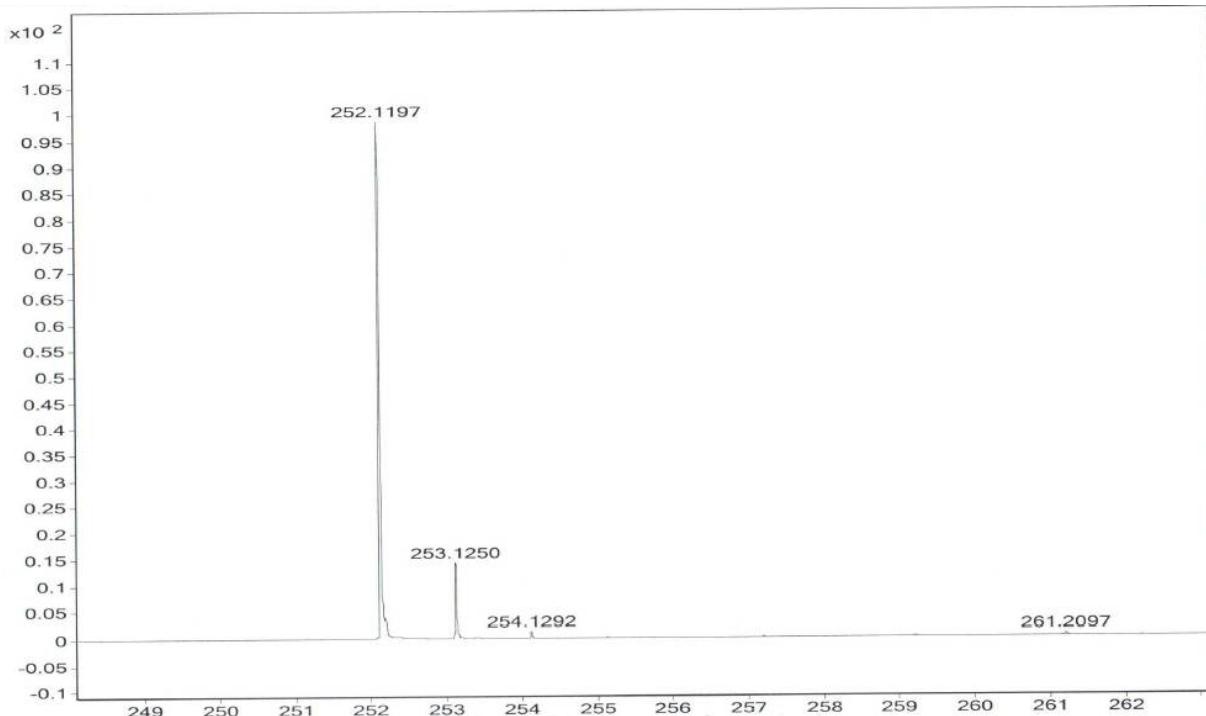
1,5-diphenyl-1,2,3-triazole (3a)



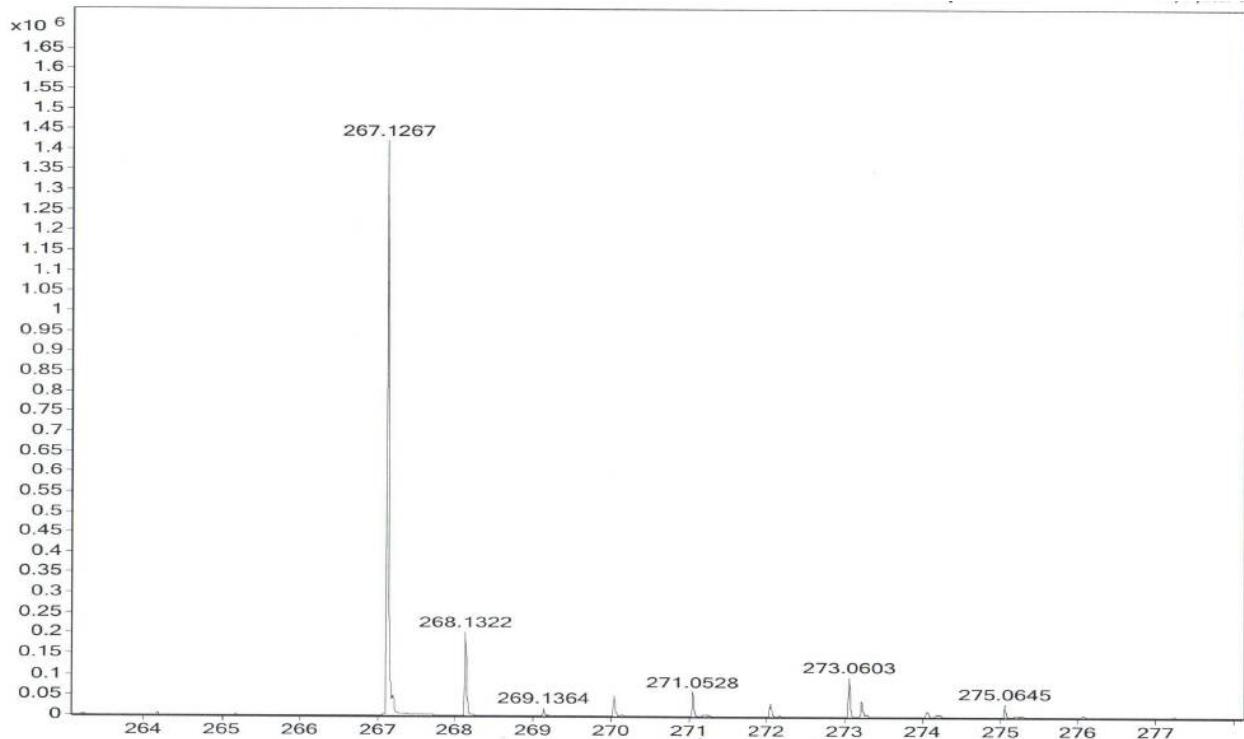
5-(4-methylphenyl)-1-phenyl-1,2,3-triazole (3b)



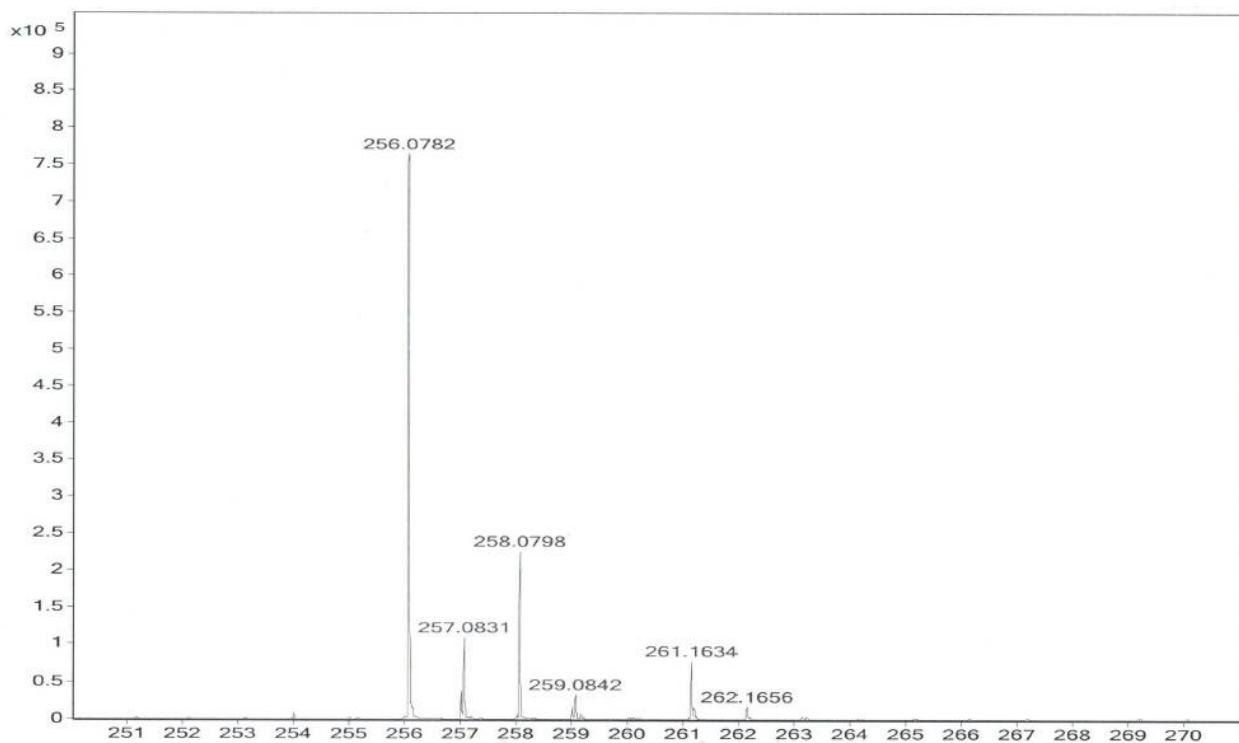
5-(4-methoxyphenyl)-1-phenyl-1,2,3-triazole (3c)



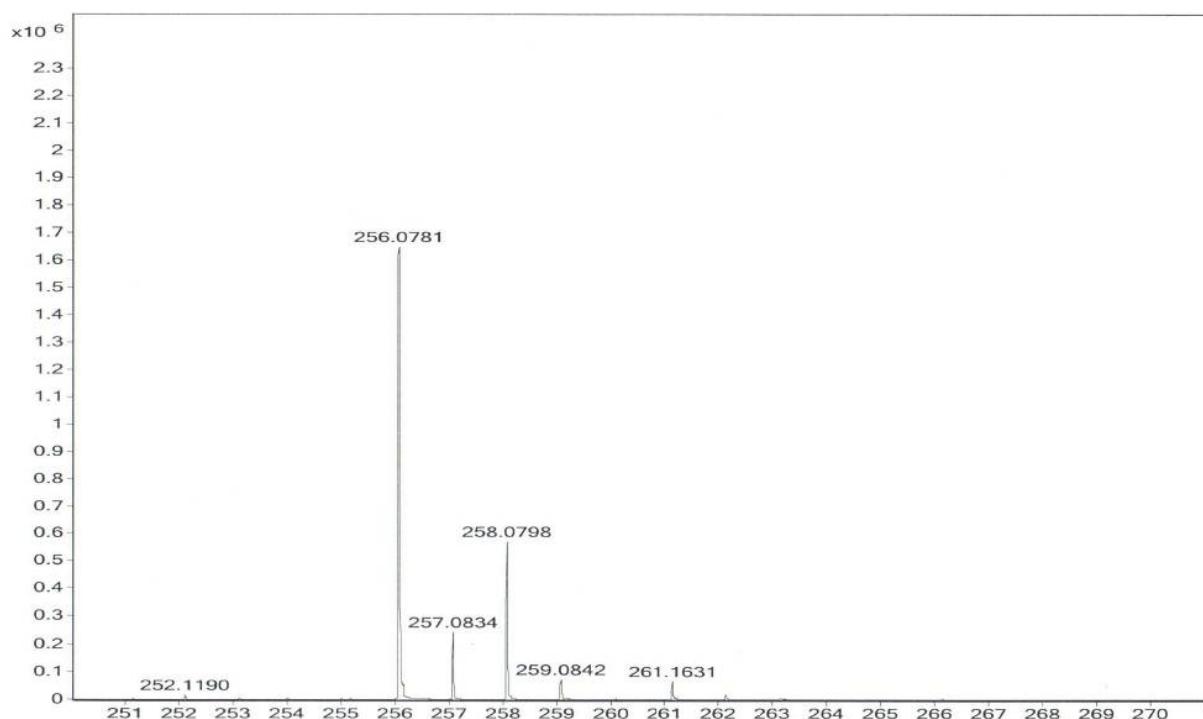
5-(2-nitrophenyl)-1-phenyl-1,2,3-triazole (3d)



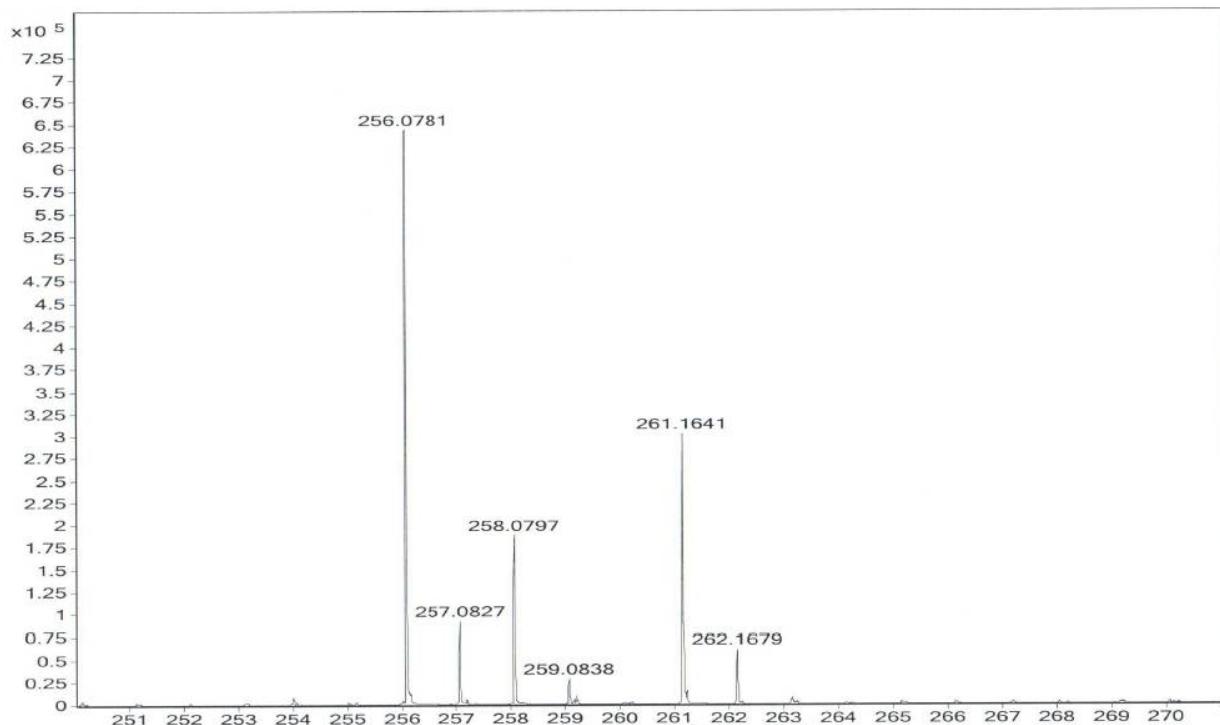
5-(2-chlorophenyl)-1-phenyl-1,2,3-triazole (3e)



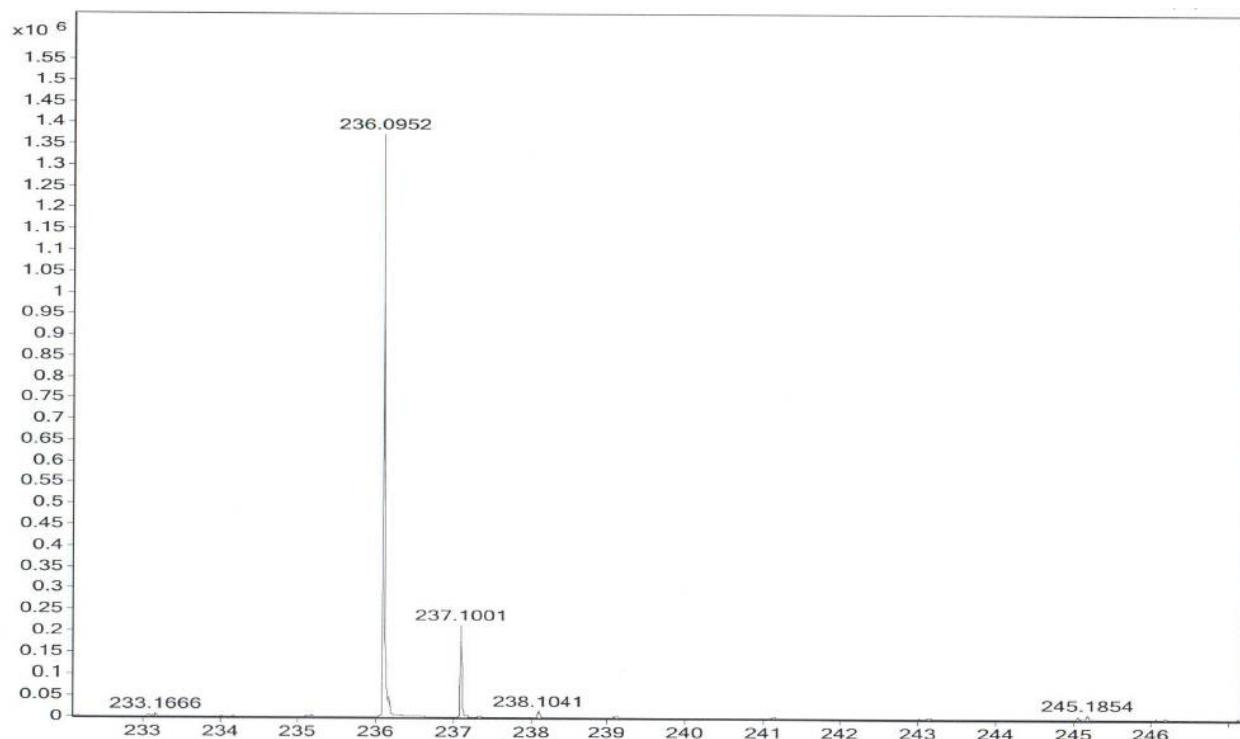
5-(3-chlorophenyl)-1-phenyl-1,2,3-triazole (3f)



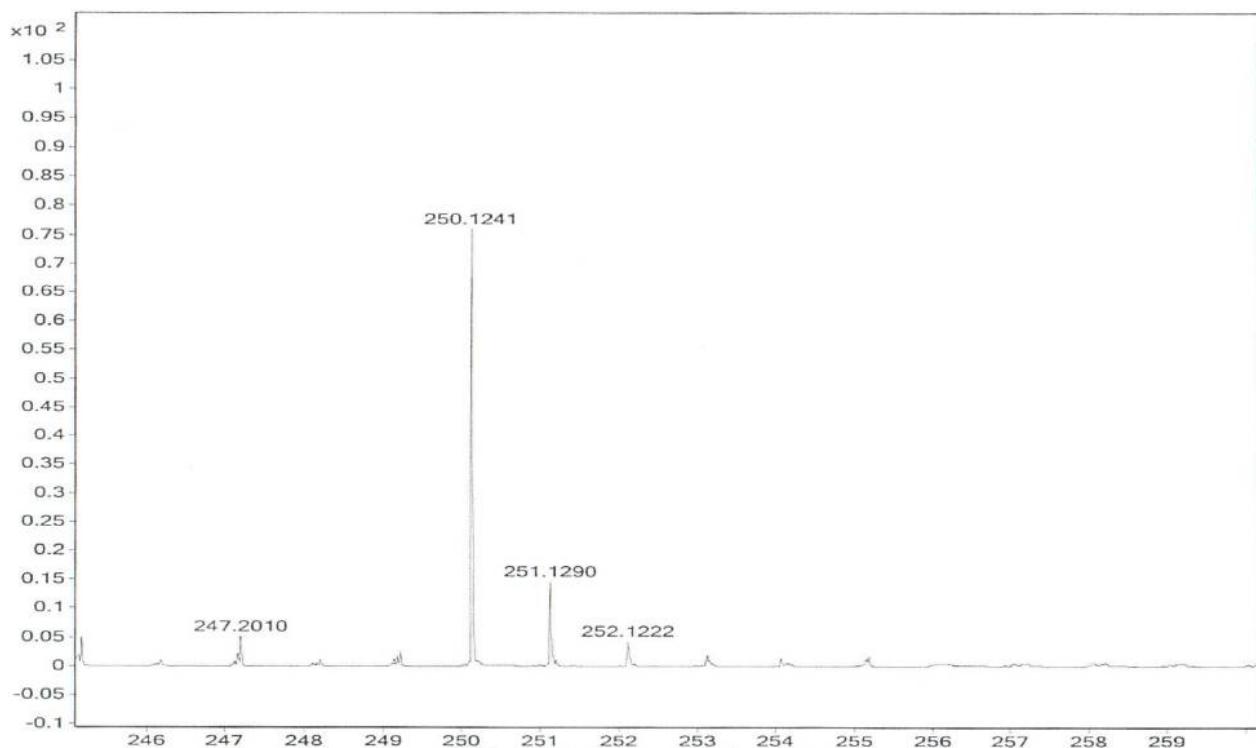
5-(4-chlorophenyl)-1-phenyl-1,2,3-triazole (3g)



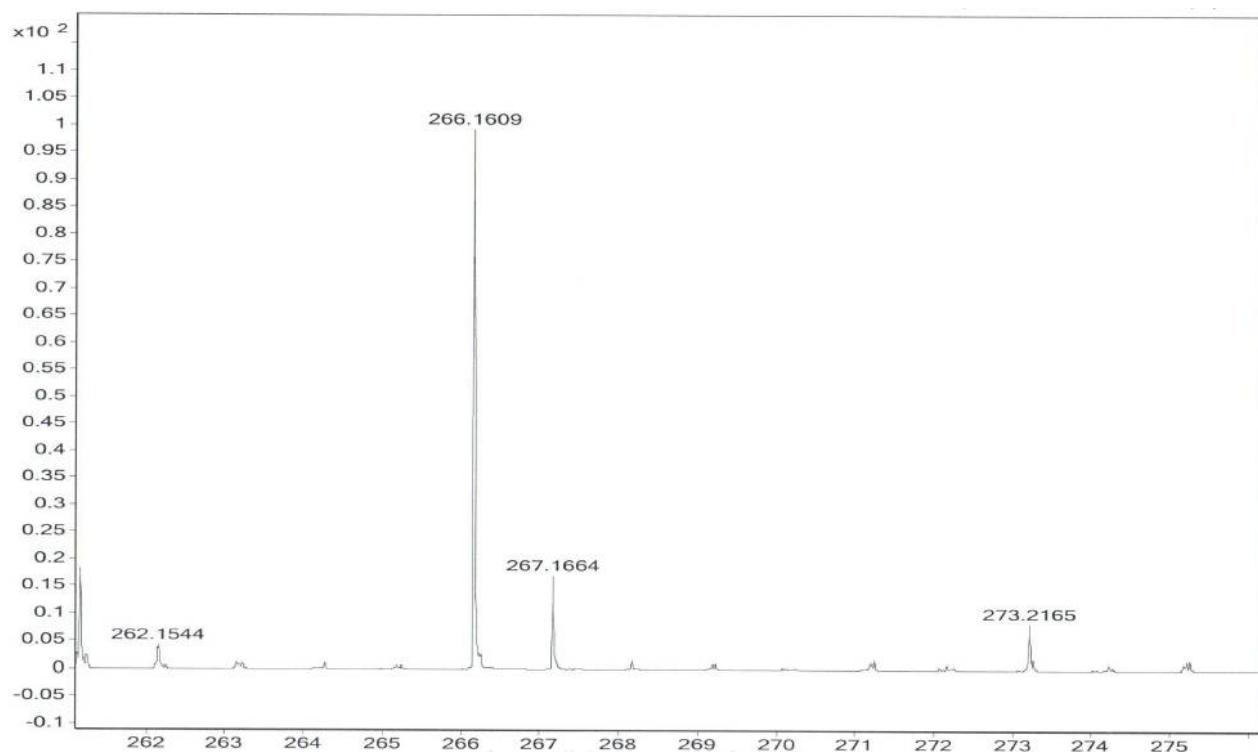
1-benzyl-5-phenyl-1,2,3-triazole (3h)



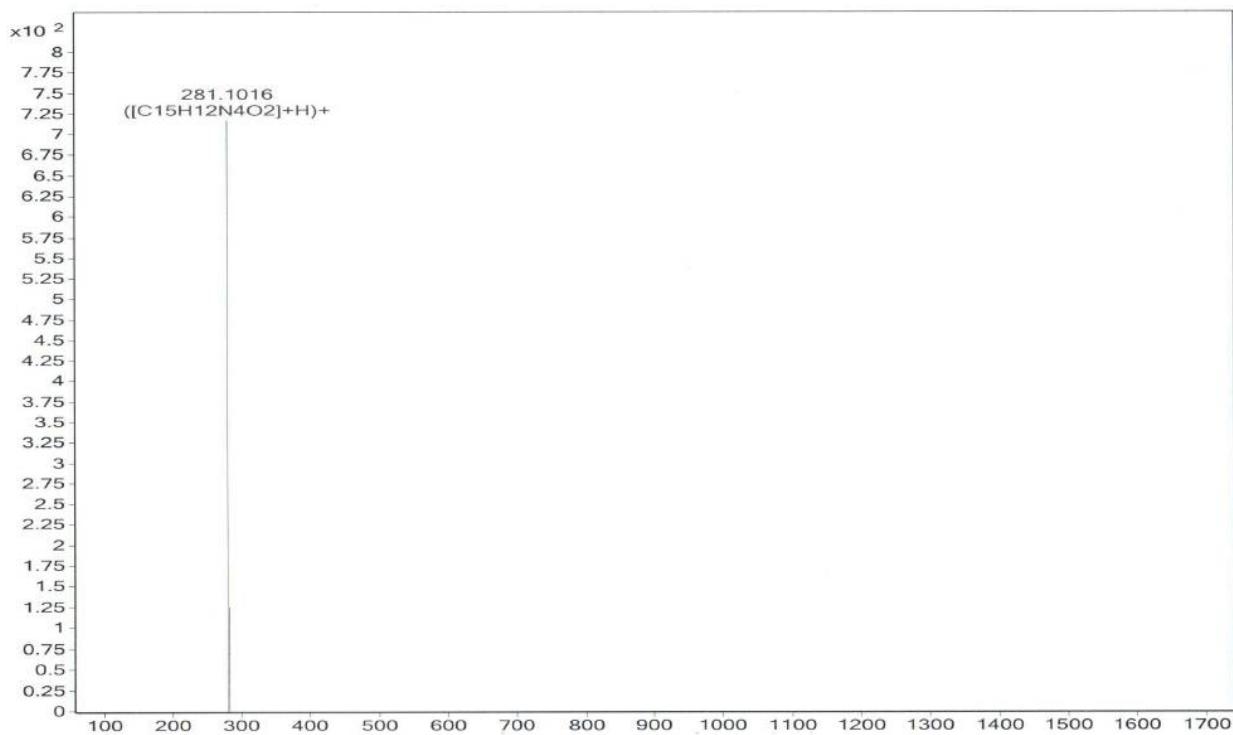
1-benzyl-5-(4-methylphenyl)-1,2,3-triazole (3i)



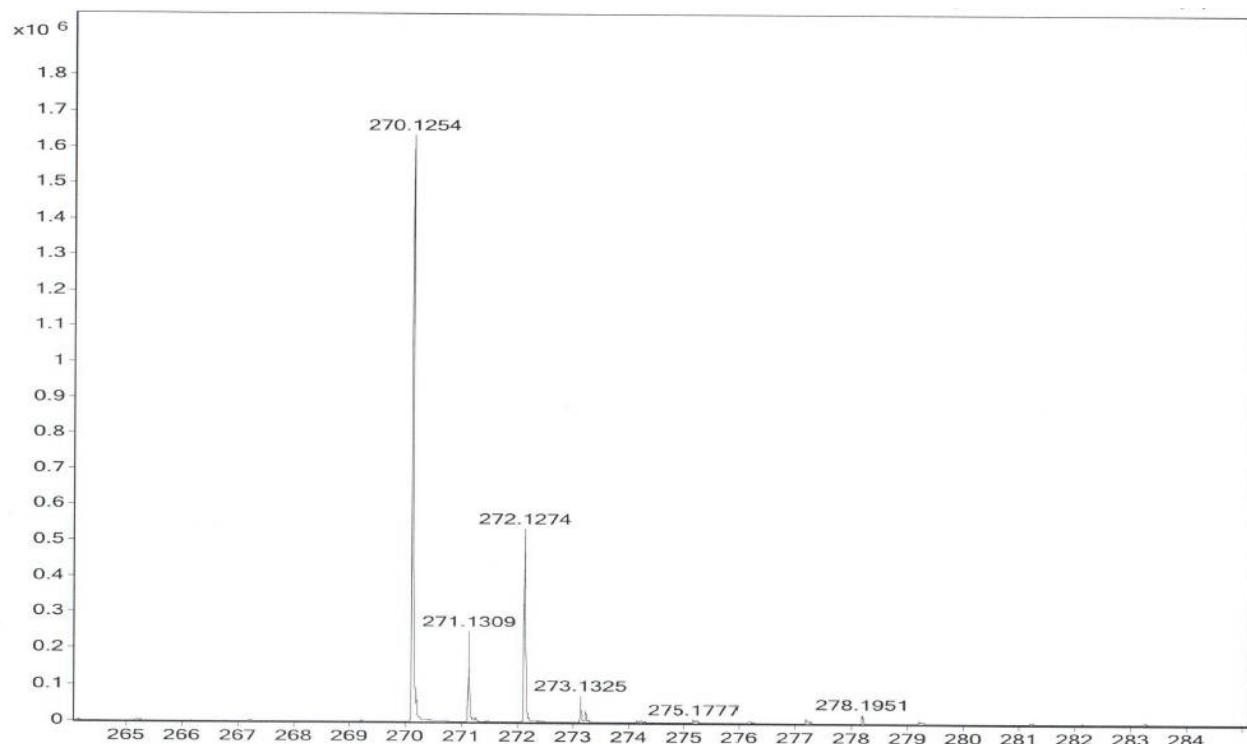
1-benzyl-5-(4-methoxyphenyl)-1,2,3-triazole (3j)



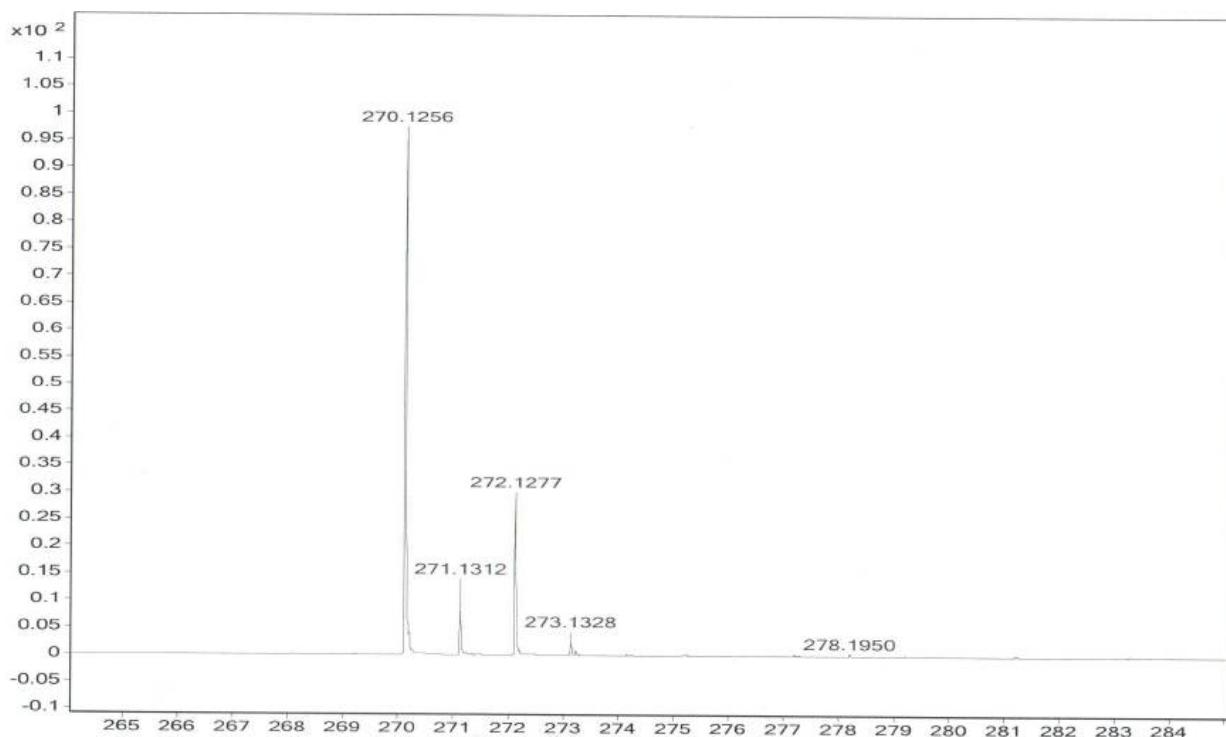
1-benzyl-5-(2-nitrophenyl)-1,2,3-triazole (3k)



1-benzyl-5-(2-chlorophenyl)-1,2,3-triazole (3l)



1-benzyl-5-(3-chlorophenyl)-1,2,3-triazole (3m)



1-benzyl-5-(4-chlorophenyl)-1,2,3-triazole (3n)

