

Deactivation pathways of ethylene polymerization catalysts derived from titanium and zirconium 1,3-bis(furyl)-1,1,3,3-tetramethyldisilazide complexes

Lloyd T. J. Evans, Martyn P. Coles*, F. Geoffrey N. Cloke,* and Peter B. Hitchcock

Department of Chemistry, University of Sussex, Falmer, Brighton BN1 9QJ. UK. email: m.p.coles@sussex.ac.uk; fax: +44 (0)1273 677196.

Table of Contents:

p2	Figure 1	^1H NMR spectrum of $\text{Zr}\{\text{i}\}(\text{NMe}_2)_3$ (2a)
p3	Figure 2	^{13}C NMR spectrum of $\text{Zr}\{\text{i}\}(\text{NMe}_2)_3$ (2a)
p4	Figure 3	^1H NMR spectrum of $\text{Zr}\{\text{ii}\}(\text{NMe}_2)_3$ (2b)
p5	Figure 4	^{13}C NMR spectrum of $\text{Zr}\{\text{ii}\}(\text{NMe}_2)_3$ (2b)
p6	Figure 5	^1H NMR spectrum of $\text{Zr}\{\text{i}\}_2\text{Cl}_2$ (5a)
p7	Figure 6	^{13}C NMR spectrum of $\text{Zr}\{\text{i}\}_2\text{Cl}_2$ (5a)
p8	Figure 7	Mass spectrum of $\text{Zr}\{\text{i}\}_2\text{Cl}_2$ (5a)
p9	Figure 8	^1H NMR spectrum of $\text{Ti}\{\text{ii}\}_2\text{Me}_2$ (7b)
p10	Figure 9	^{13}C NMR spectrum of $\text{Ti}\{\text{ii}\}_2\text{Me}_2$ (7b)
p11	Figure 10	Mass spectrum of $\text{Ti}\{\text{ii}\}_2\text{Me}_2$ (7b)

Figure 1 ^1H NMR spectrum of $\text{Zr}\{\text{i}\}(\text{NMe}_2)_3$ (**2a**)

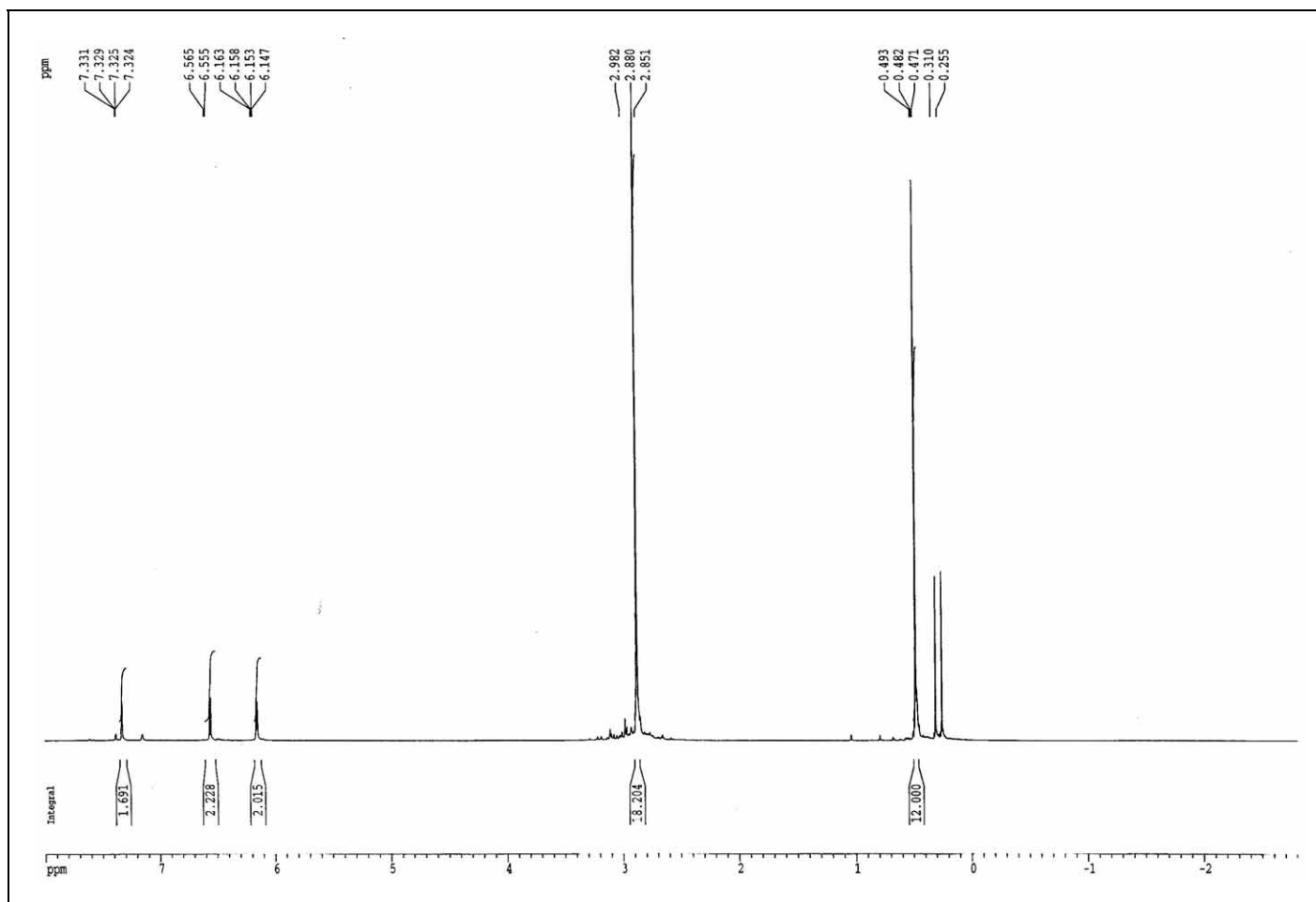


Figure 2 ^{13}C NMR spectrum of $\text{Zr}\{\text{i}\}(\text{NMe}_2)_3$ (**2a**)

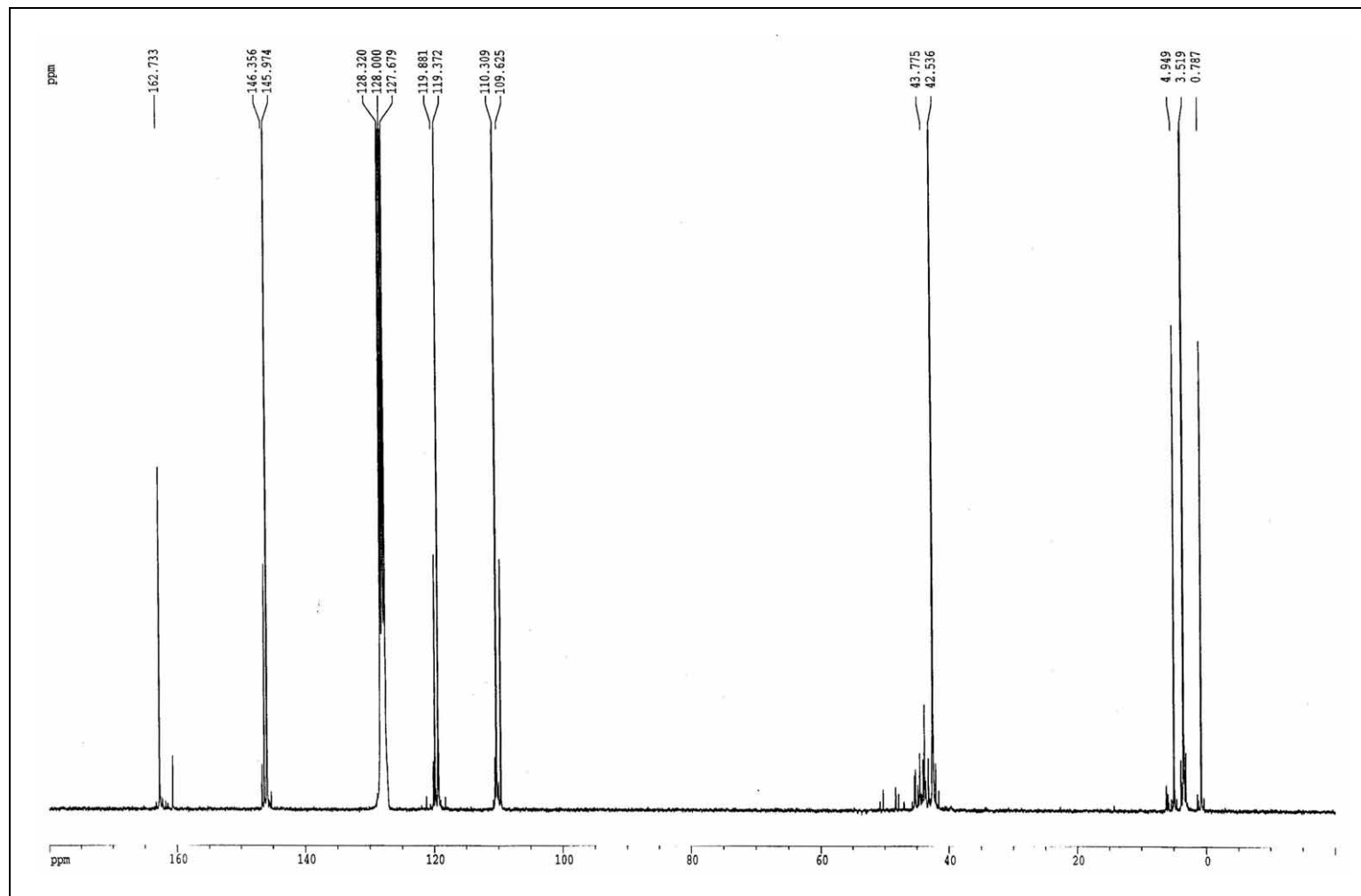


Figure 3 ^1H NMR spectrum of $\text{Zr}\{\text{ii}\}(\text{NMe}_2)_3$ (**2b**)

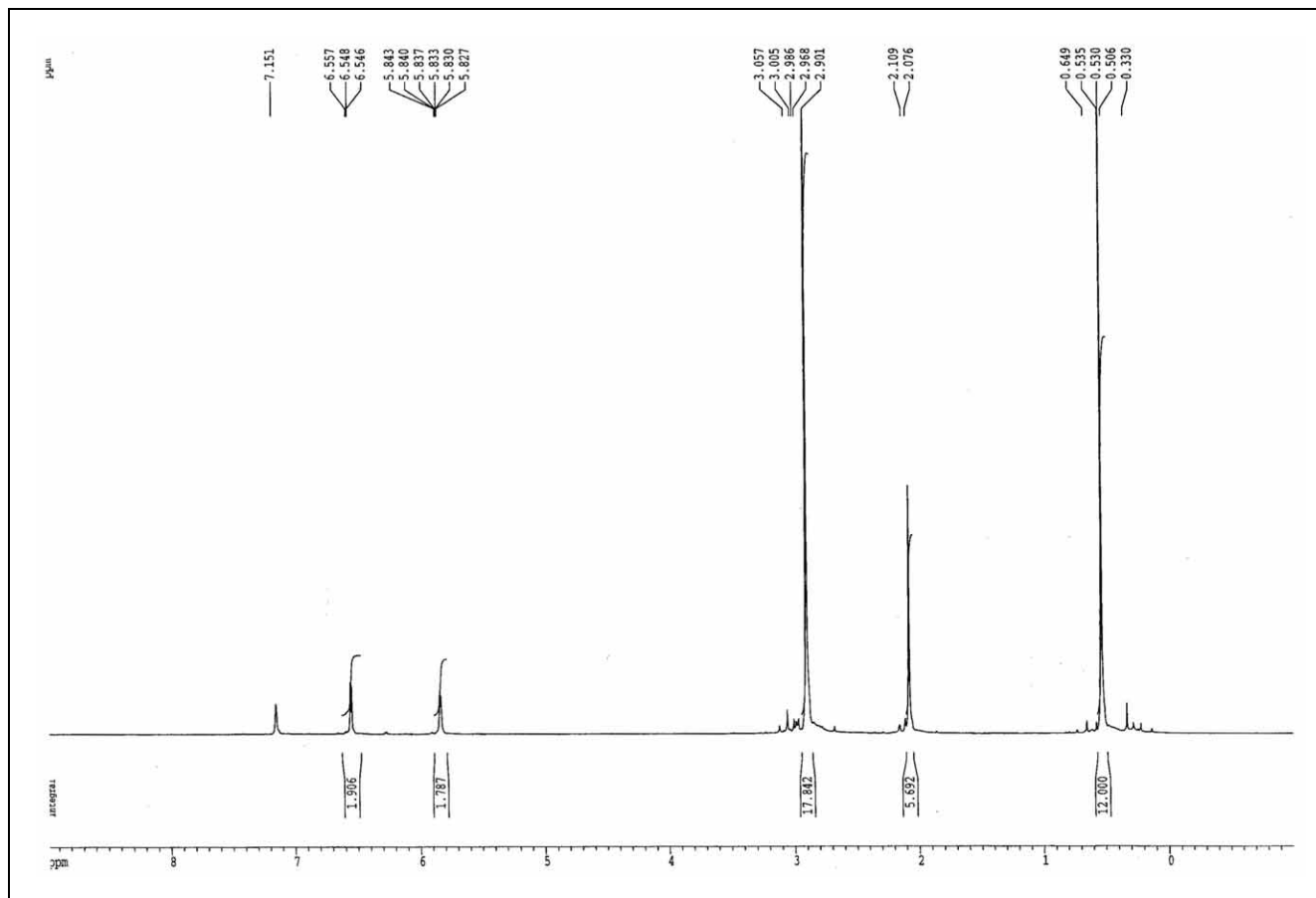


Figure 4 ^{13}C NMR spectrum of $\text{Zr}\{\text{ii}\}(\text{NMe}_2)_3$ (**2b**)

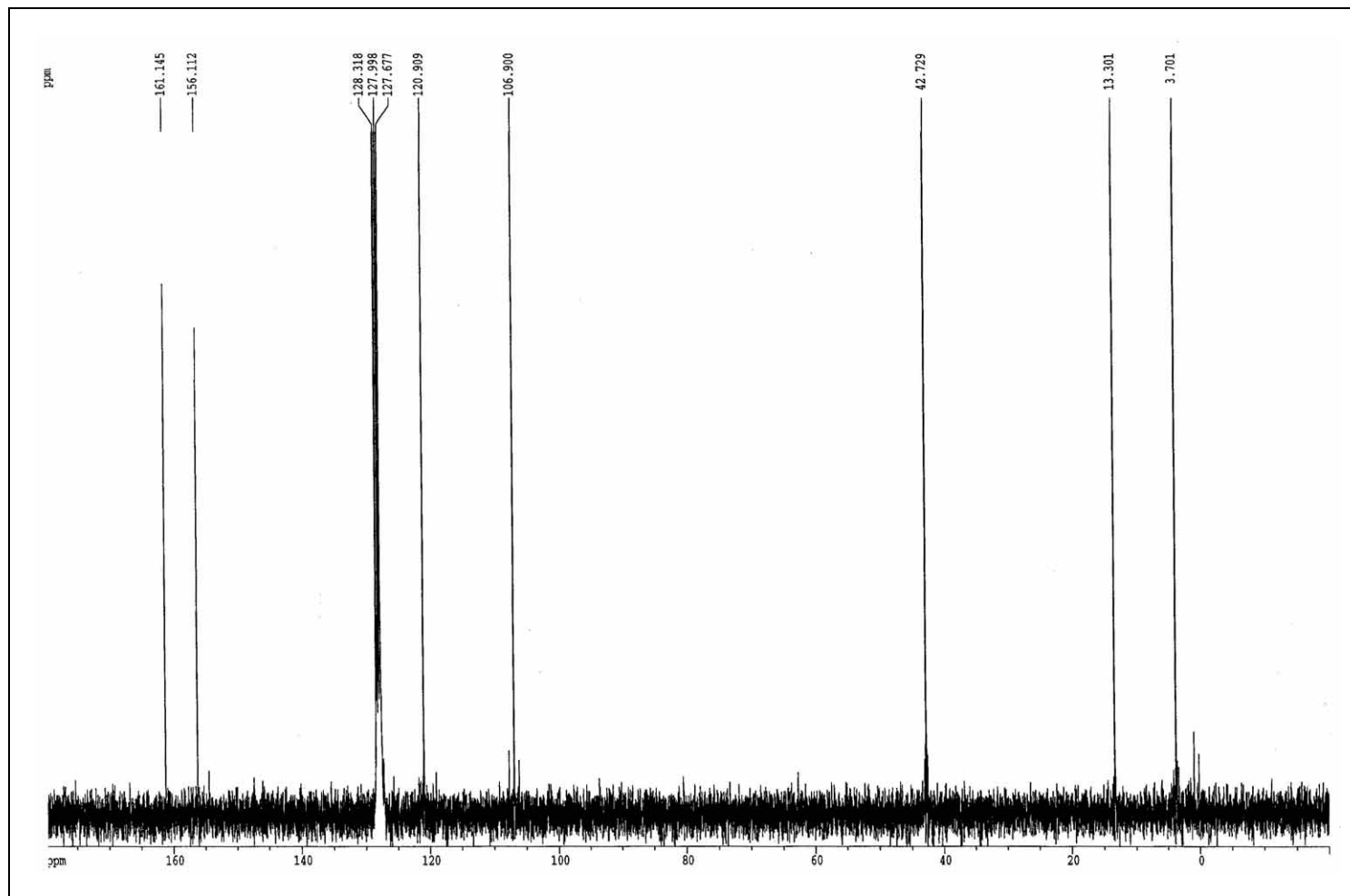


Figure 5 ^1H NMR spectrum of $\text{Zr}\{\text{i}\}_2\text{Cl}_2$ (**5a**)

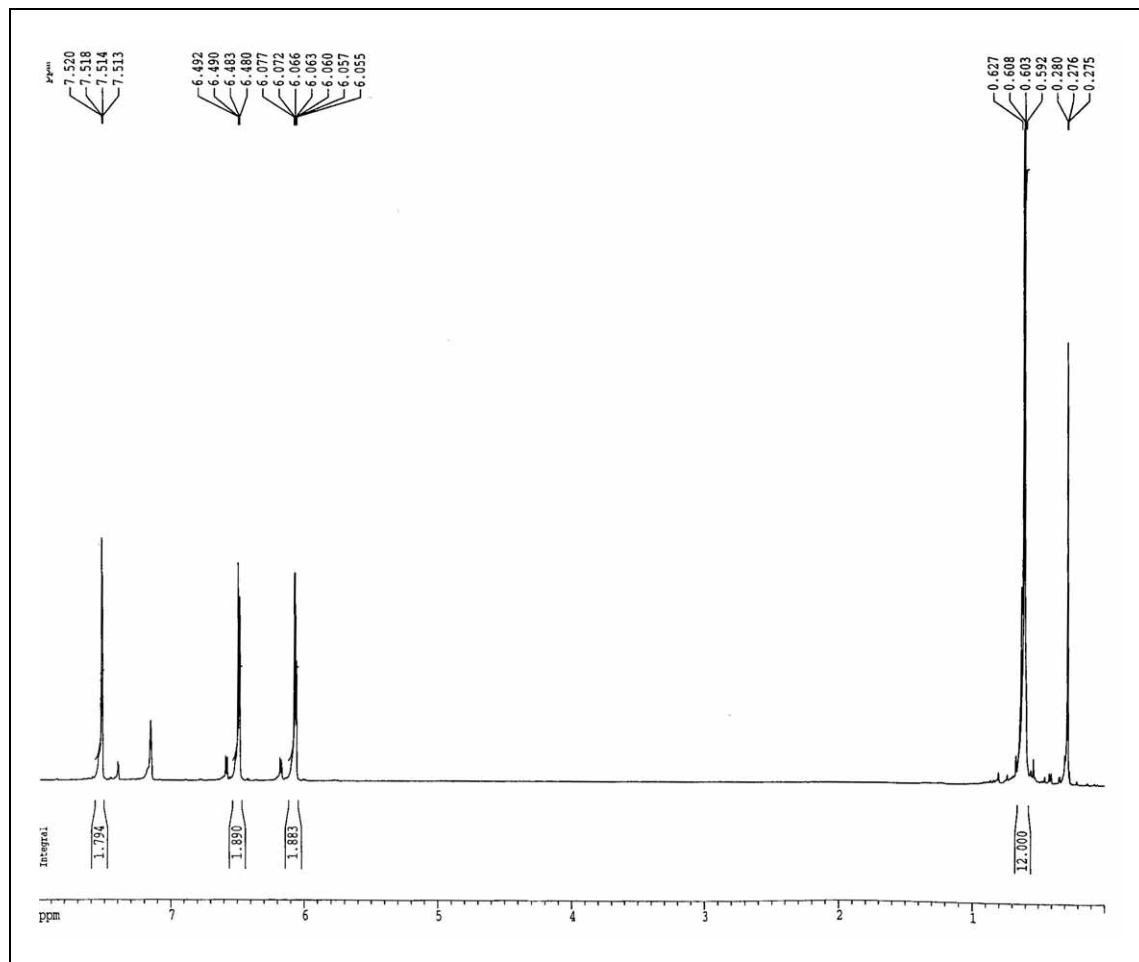


Figure 6 ^{13}C NMR spectrum of $\text{Zr}\{\text{i}\}_2\text{Cl}_2$ (**5a**)

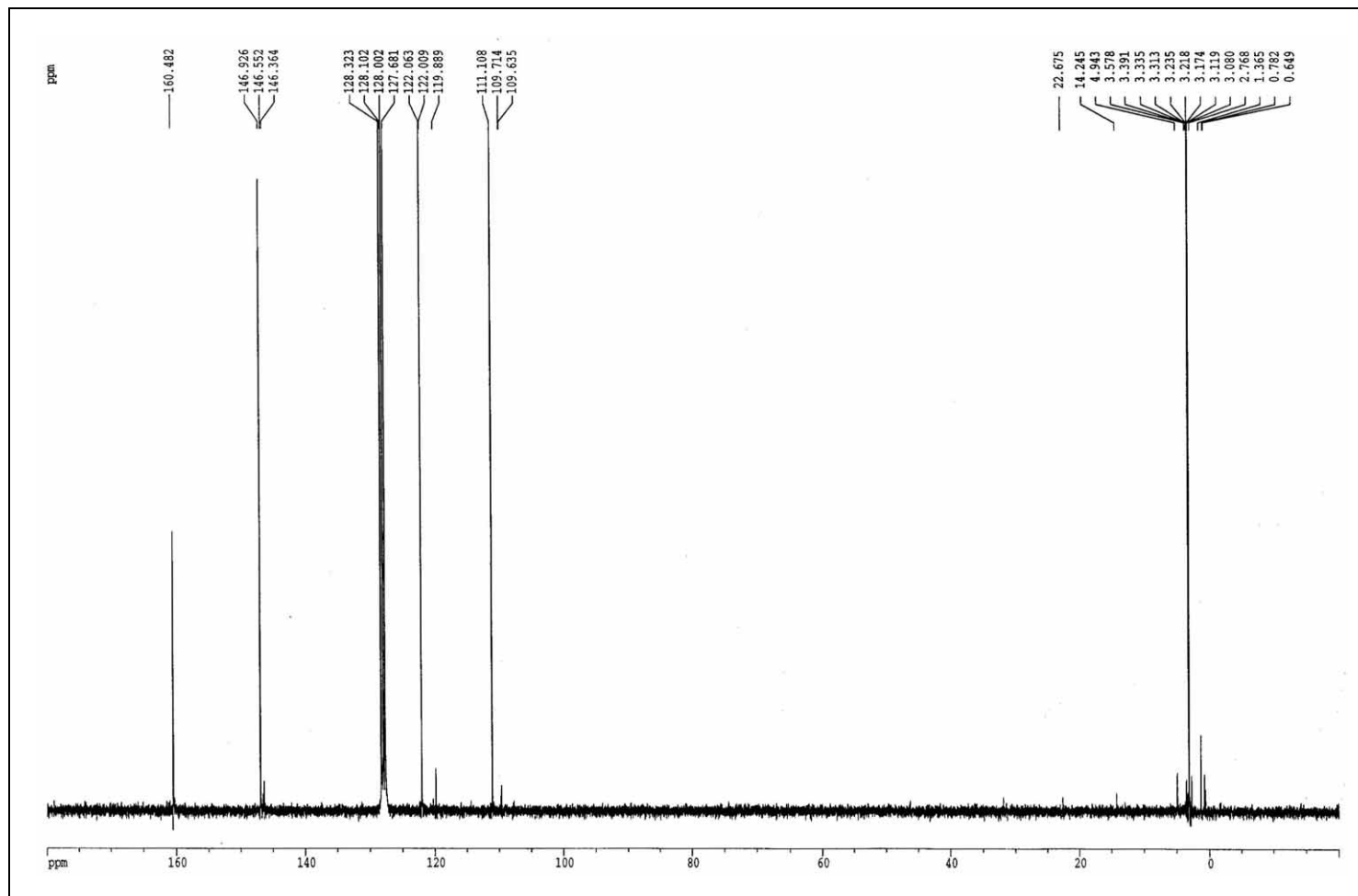


Figure 7 Mass spectrum of Zr{I}2Cl2 (5a)

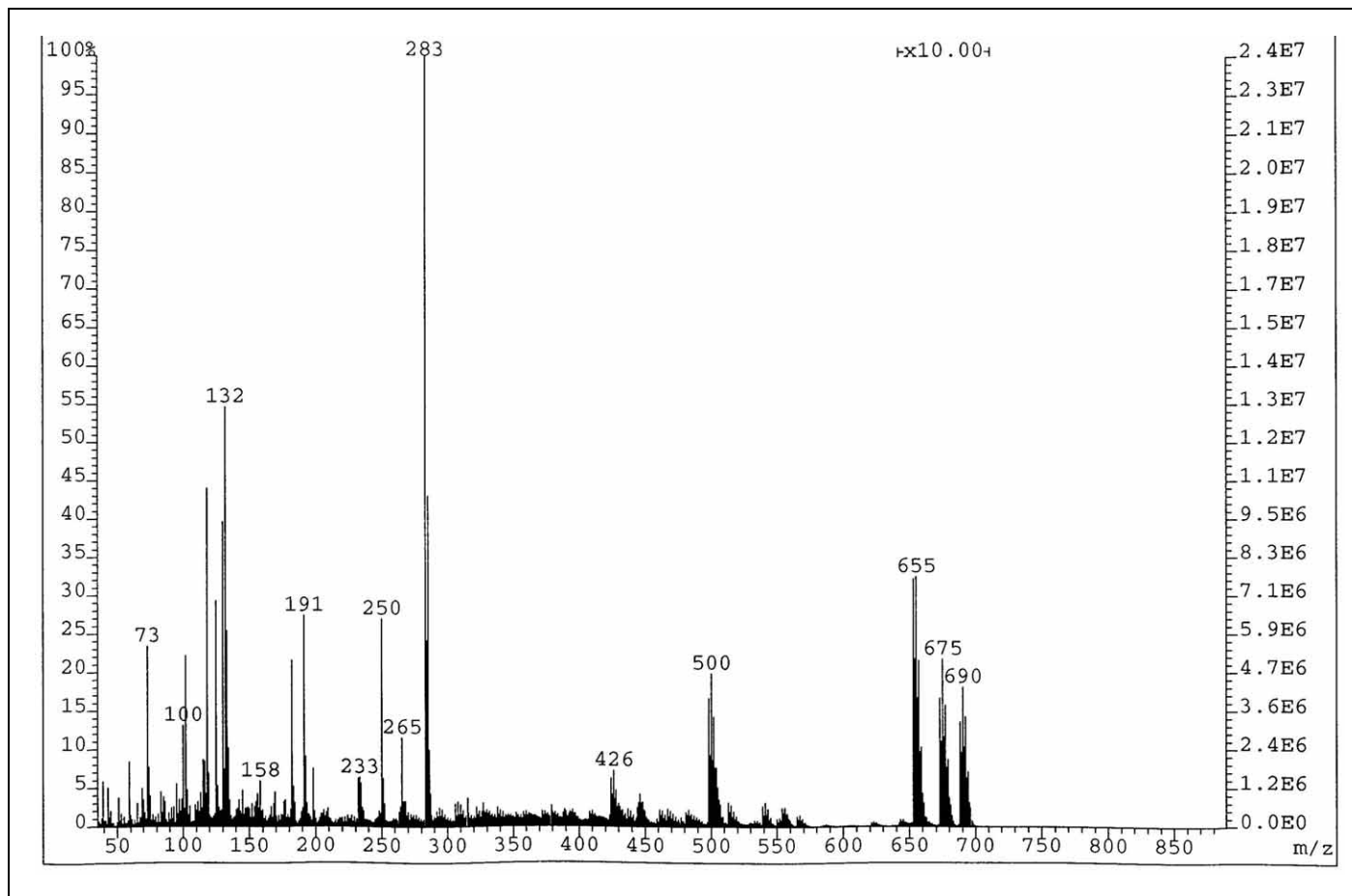


Figure 8 ^1H NMR spectrum of $\text{Ti}(\text{ii})_2\text{Me}_2$ (**7b**)

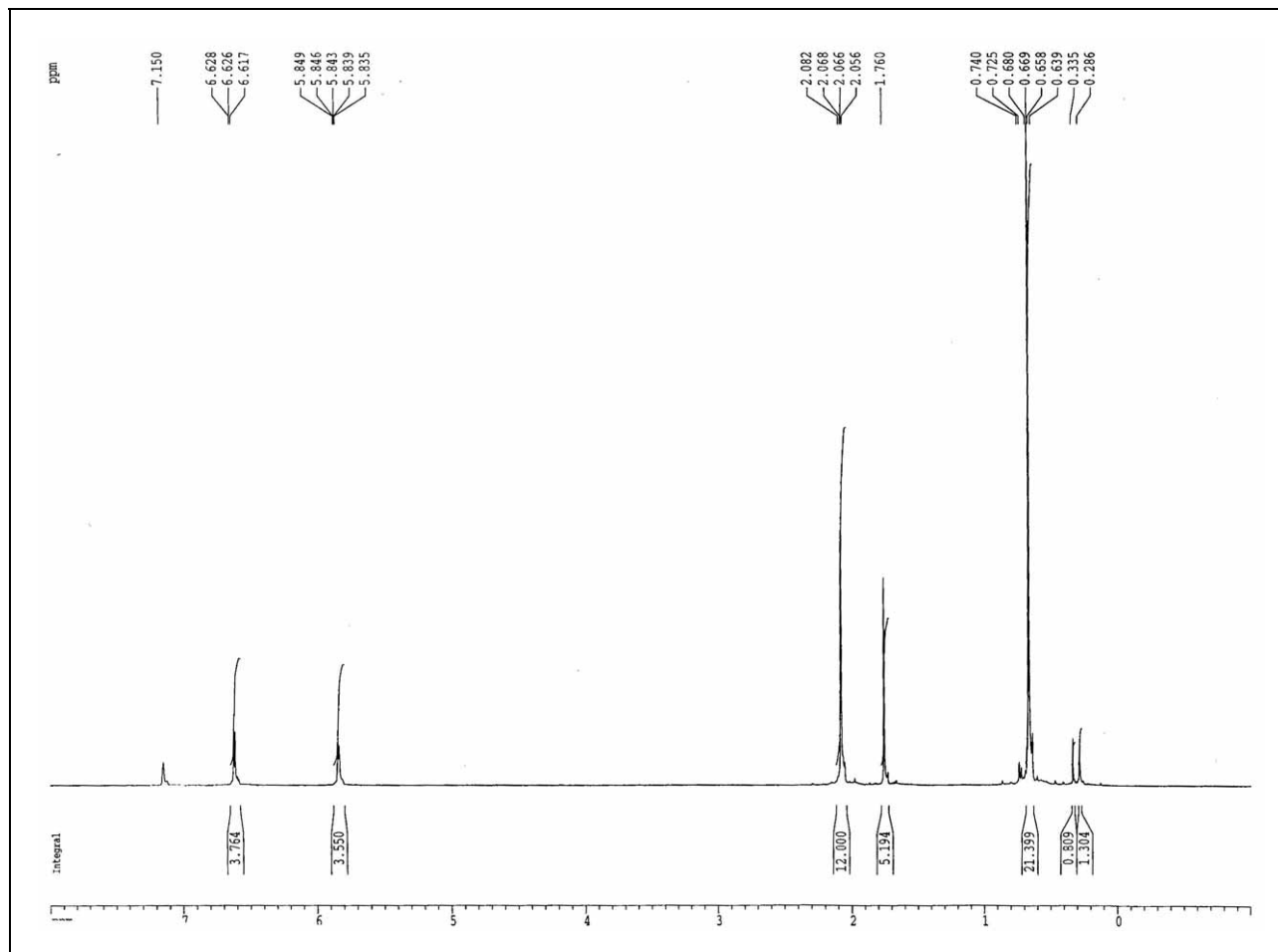


Figure 9 ^{13}C NMR spectrum of $\text{Ti}\{\text{ii}\}_2\text{Me}_2$ (**7b**)

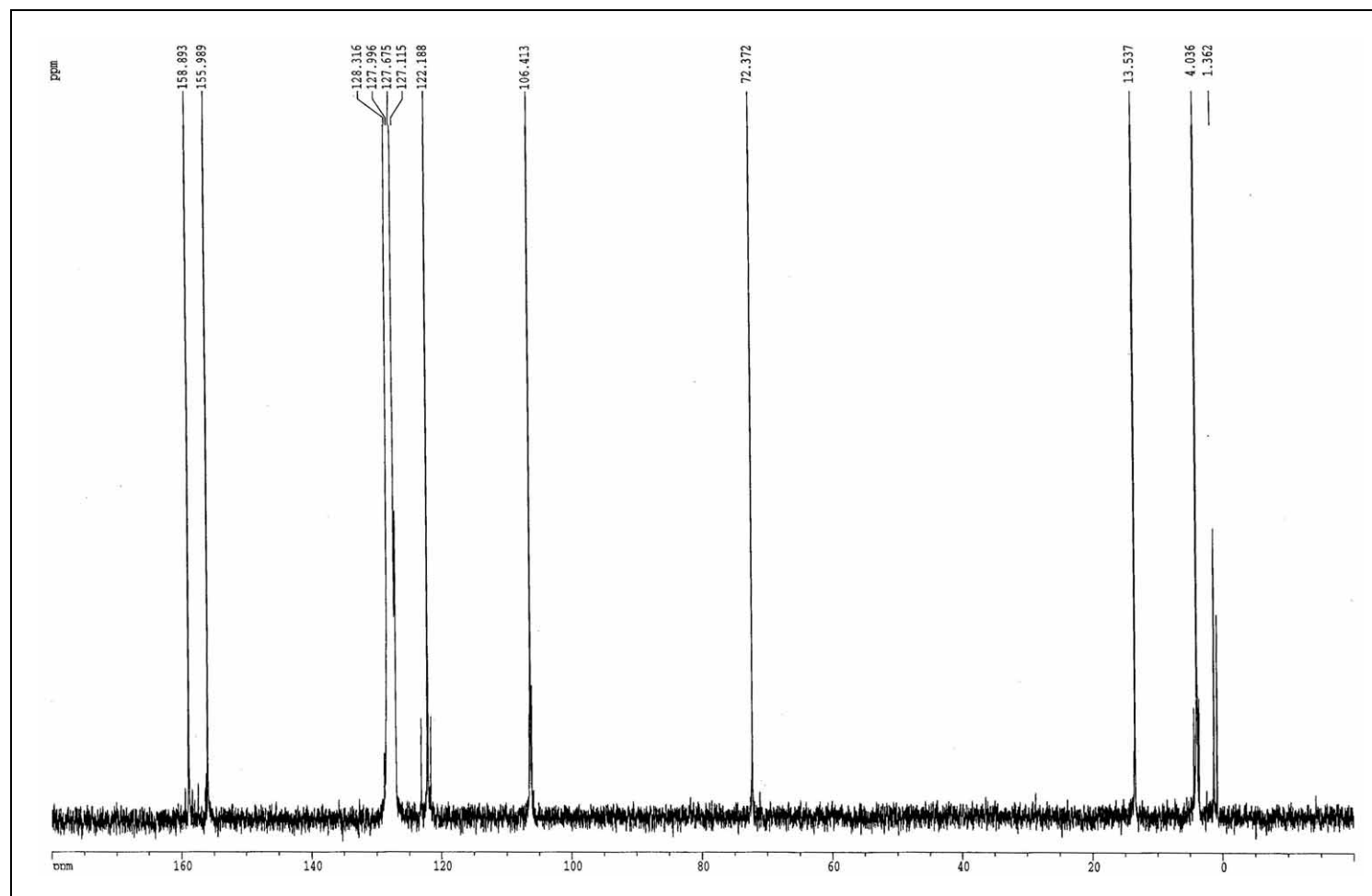


Figure 10 Mass spectrum of $\text{Ti(ii)}_2\text{Me}_2$ (7b)

