Electronic Supplementary Material (ESI) for RSC Advances.

Support information

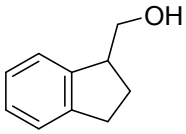
Exploiting sequential lipase-catalyzed reactions to achieve enantiomerically pure chiral primary alcohols

Rodrigo S. Martins, Anees Ahmad, Luiz F. Silva Jr. and Leandro H. Andrade*

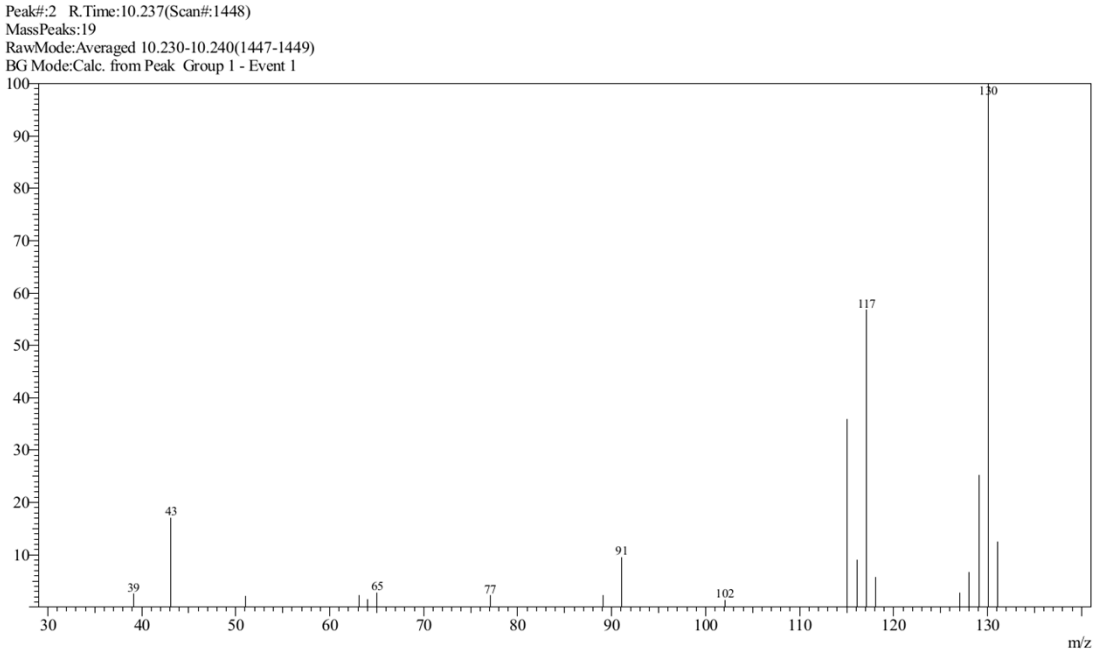
Universidade de São Paulo, Instituto de Química. Av. Prof. Lineu Prestes 748, SP 05508-900, São Paulo, Brazil.

*Corresponding author = leandroh@iq.usp.br

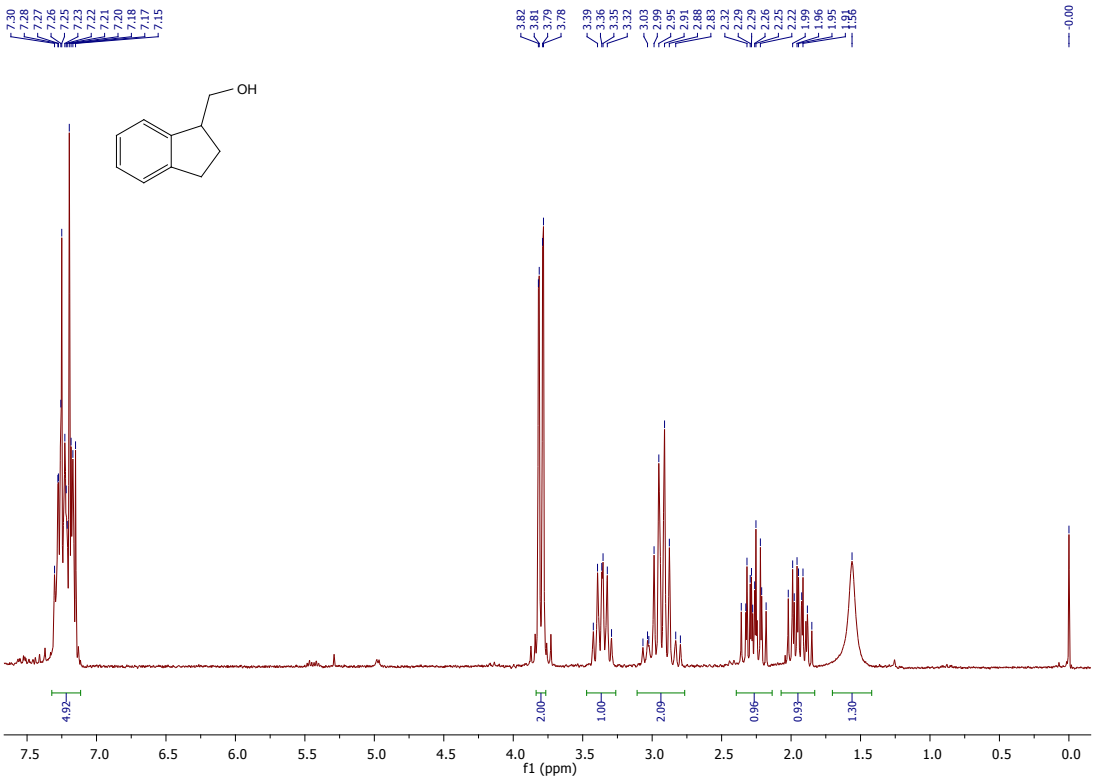
(2,3-dihydro-1*H*-inden-1-yl)methanol (2a)



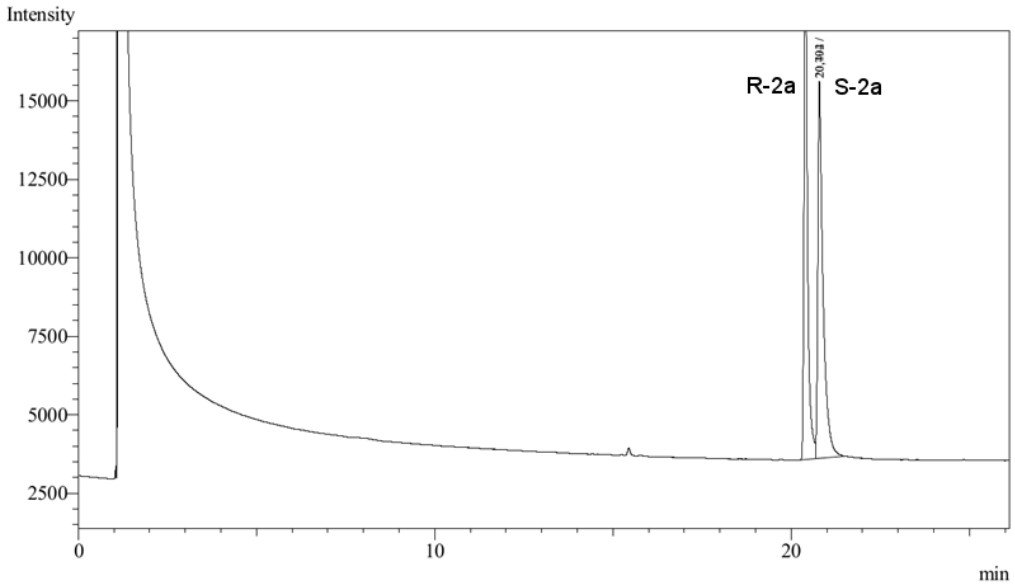
MS spectra from (2,3-dihydro-1*H*-inden-1-yl)methanol (2a)



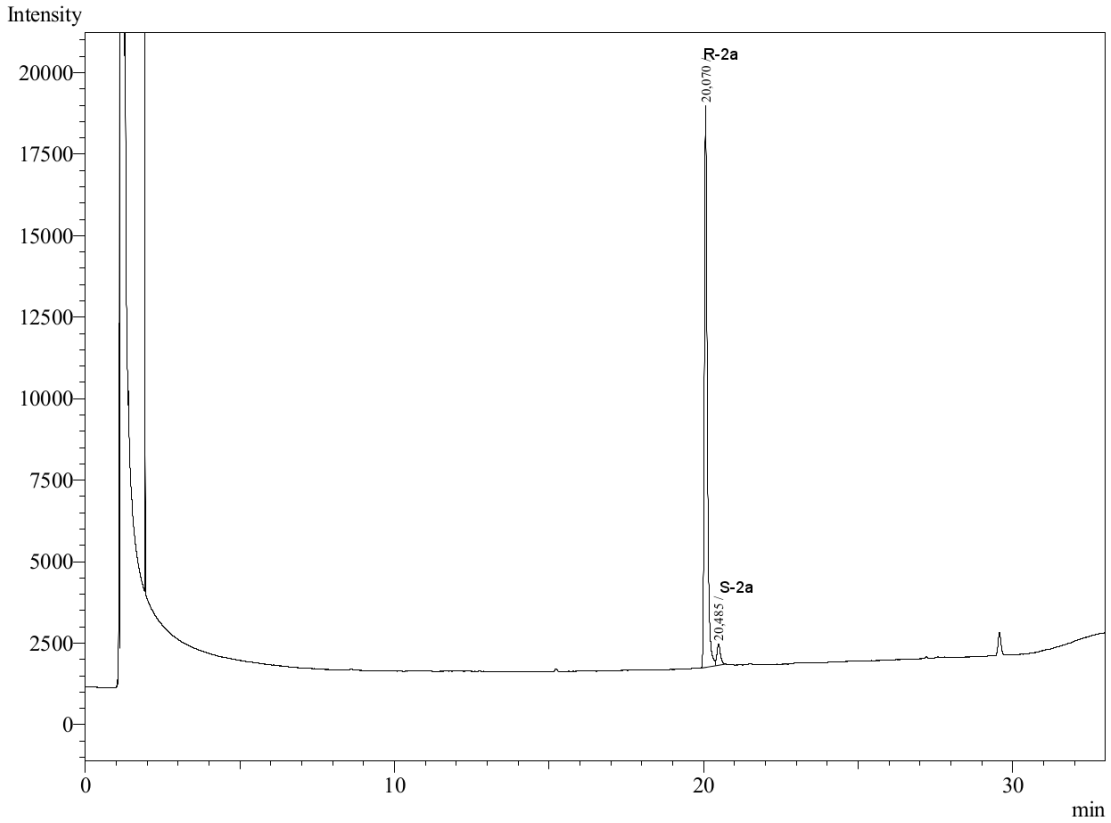
^{1}H NMR from (2,3-dihydro-1*H*-inden-1-yl)methanol (2a)



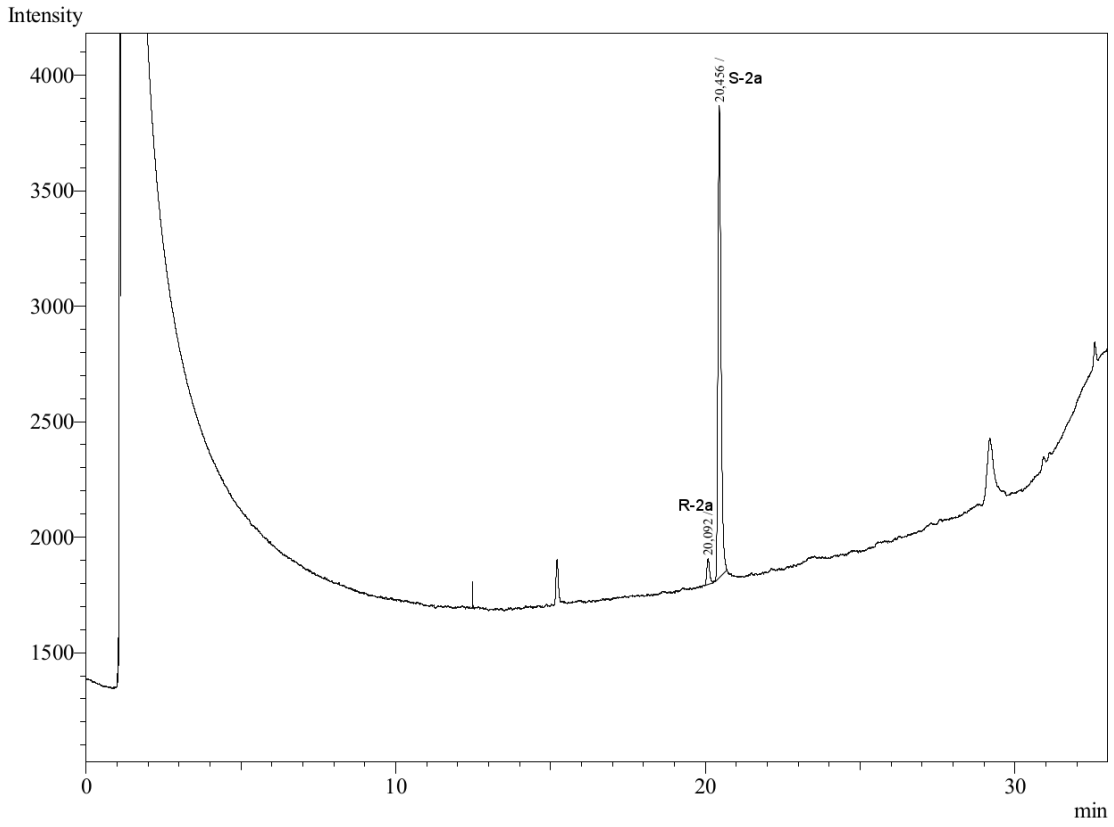
Injection of (*RS*)-(2,3-dihydro-1*H*-inden-1-yl)methanol (2a) on CG-FID equipped with α-dex 120 chiral column.



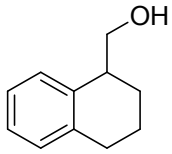
Injection of (+)-(*R*)-(2,3-dihydro-1*H*-inden-1-yl)methanol (2a) on CG-FID equipped with α-dex 120 chiral column.



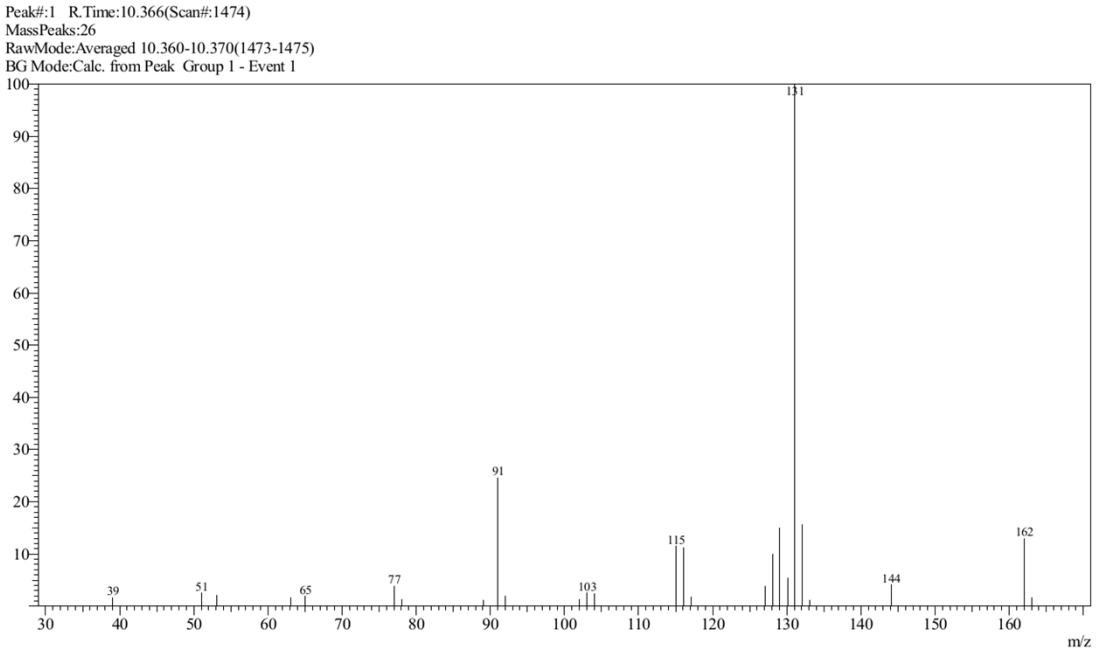
Injection of (-)-(S)-(2,3-dihydro-1*H*-inden-1-yl)methanol (2a) on CG-FID equipped with α-dex 120 chiral column.



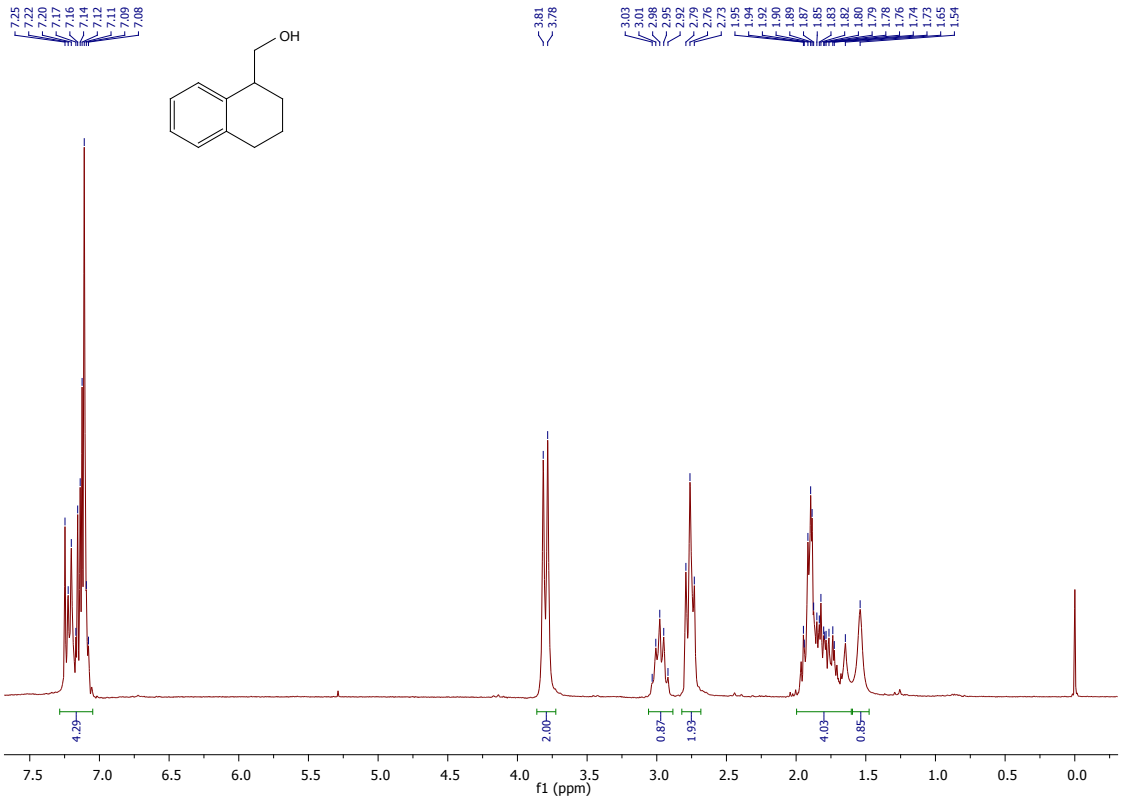
(1,2,3,4-tetrahydronaftalen-1-yl)methanol (2b)



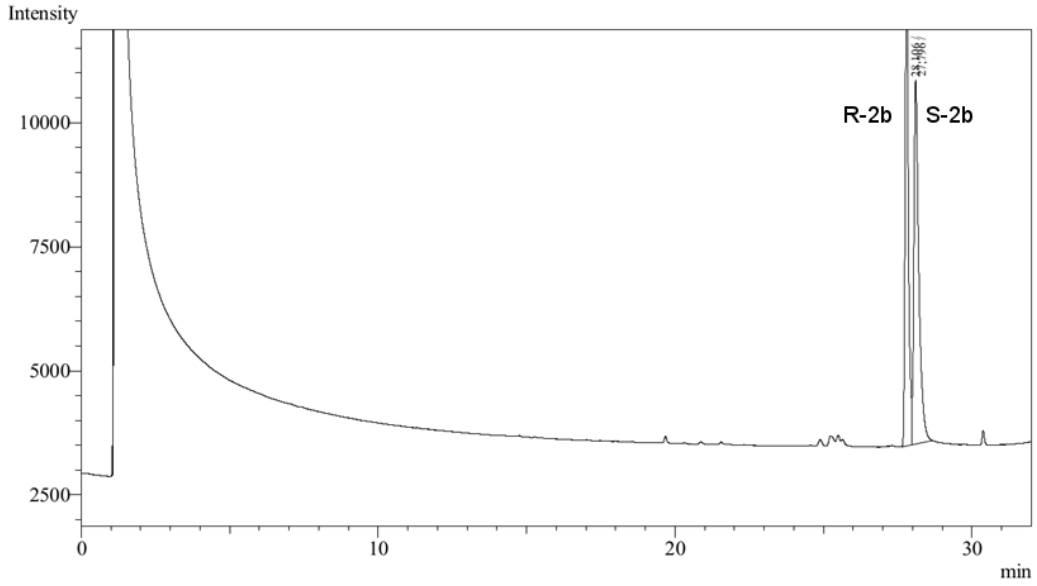
MS spectra from (1,2,3,4-tetrahydronaftalen-1-yl)methanol (2b)



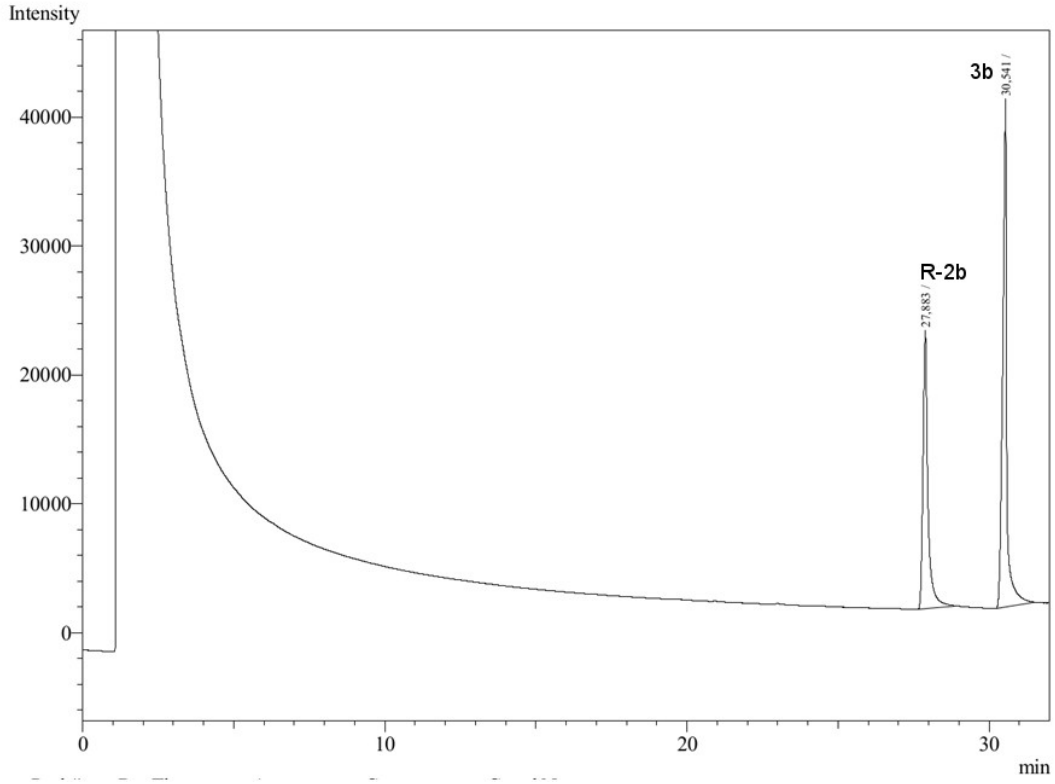
^{1}H NMR from (1,2,3,4-tetrahydronaftalen-1-yl)methanol (2b)



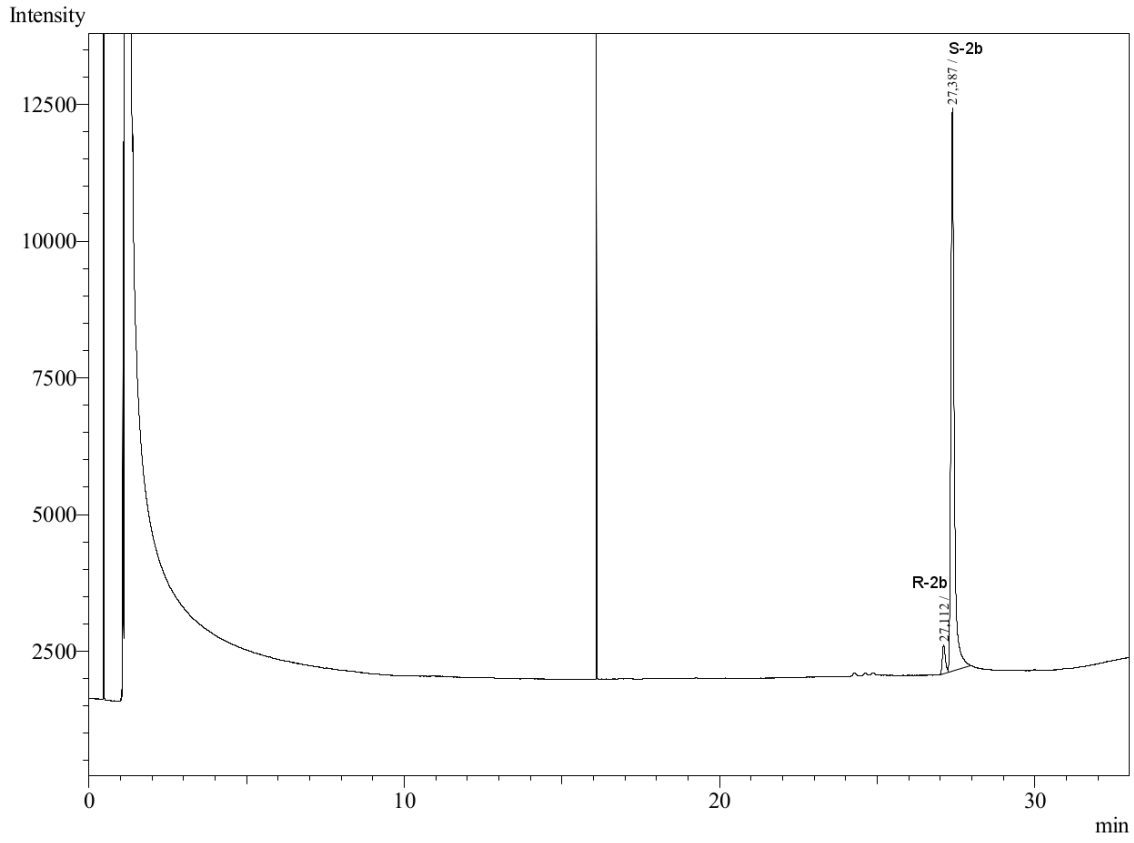
Injection of (*RS*)-(1,2,3,4-tetrahydronaftalen-1-yl)methanol (2b) on CG-FID equipped with α-dex 120 chiral column.



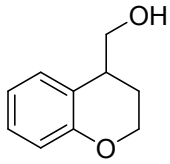
Injection of (+)-(*R*)-(1,2,3,4-tetrahydronaftalen-1-yl)methanol (2b) on CG-FID equipped with α-dex 120 chiral column.



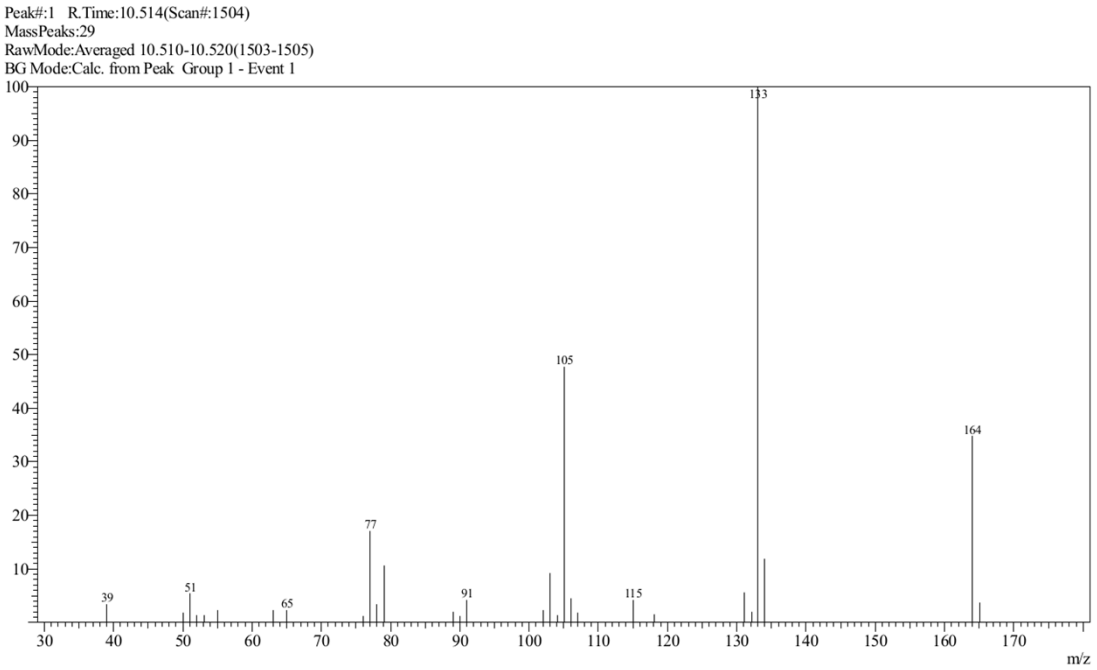
Injection of (-)-(S)-(1,2,3,4-tetrahydronaftalen-1-yl)methanol (2b) on CG-FID equipped with α-dex 120 chiral column.



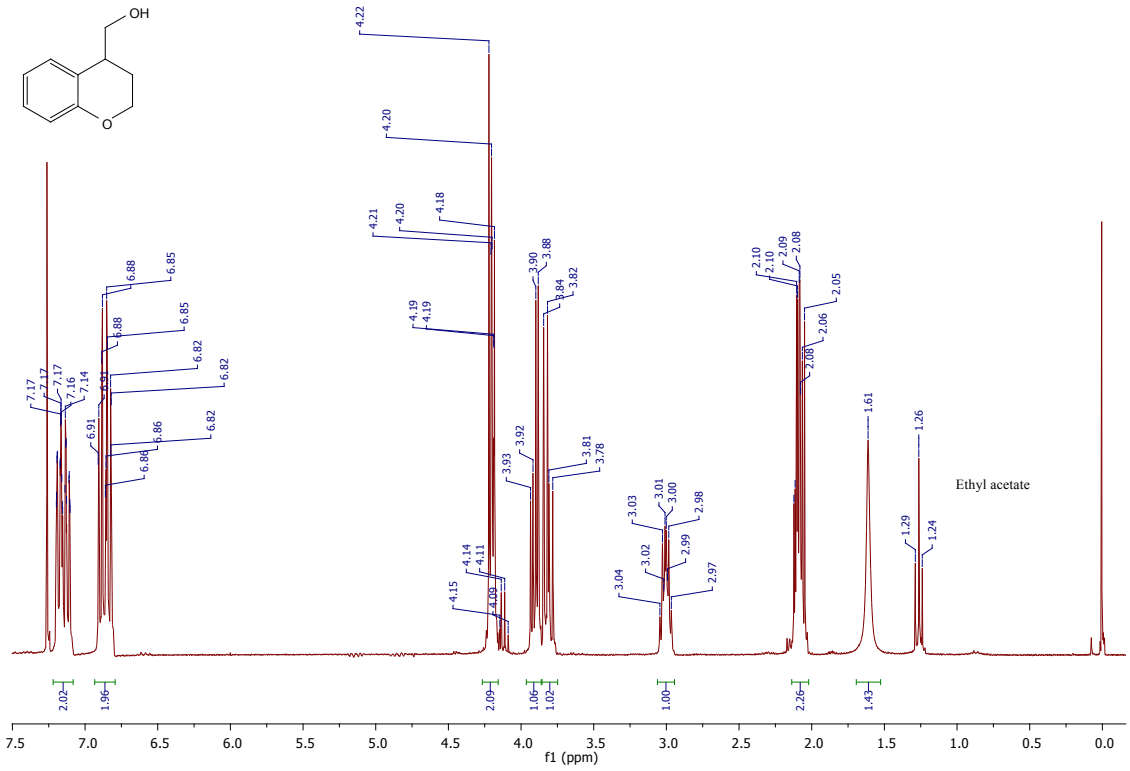
(3,4-dihydro-2H-chromen-4-yl)methanol (2c)



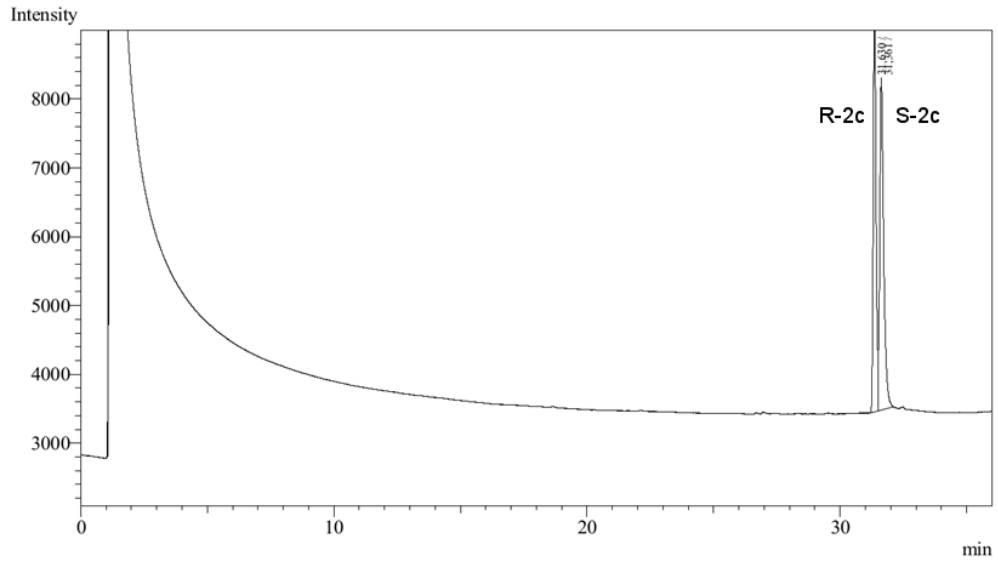
MS spectra from (3,4-dihydro-2H-chromen-4-yl)methanol (2c)



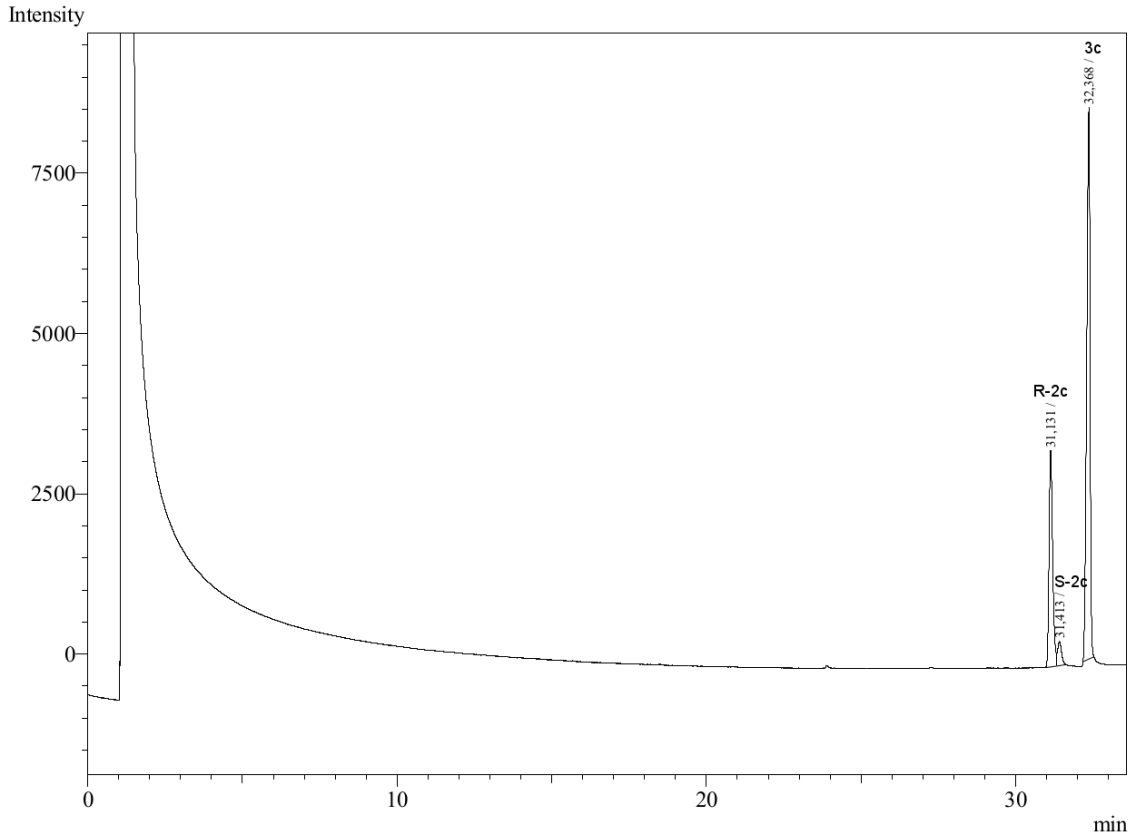
^{1}H NMR spectra from (3,4-dihydro-2H-chromen-4-yl)methanol (2c)



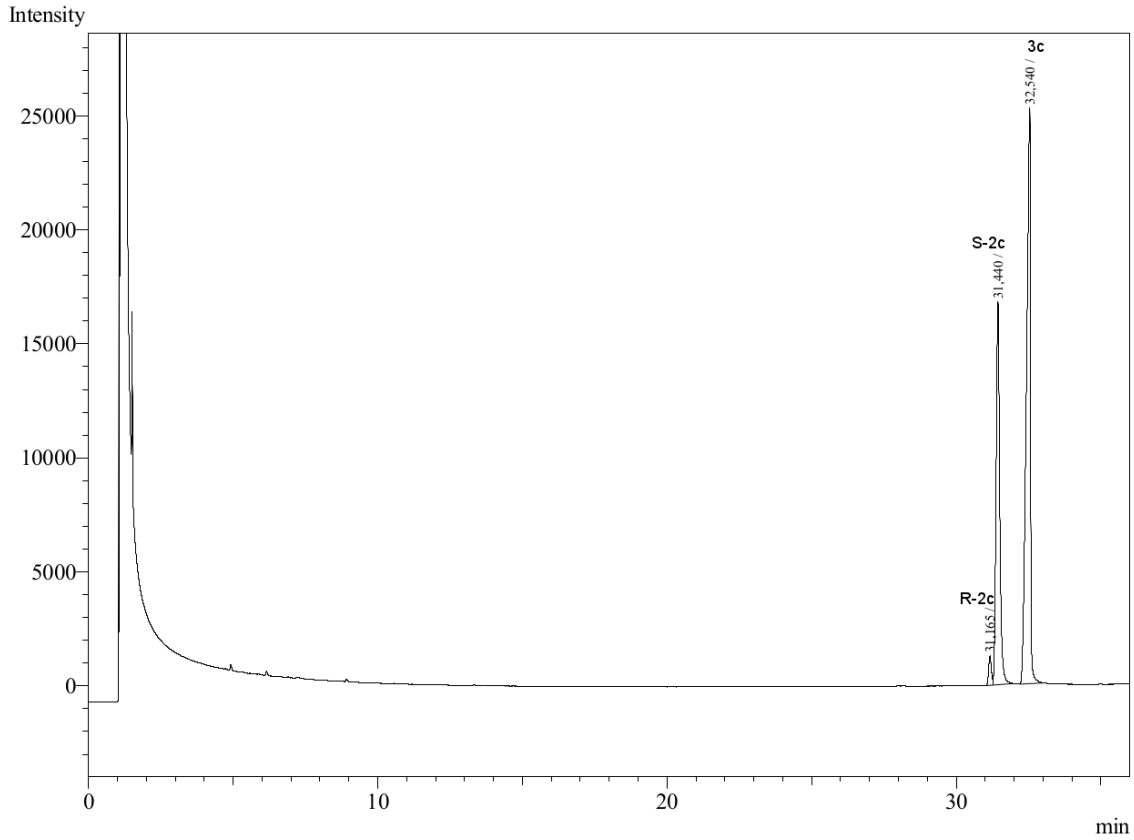
Injection of (*RS*)-(3,4-dihydro-2H-chromen-4-yl)methanol (2c) on CG-FID equipped with α-dex 120 chiral column.



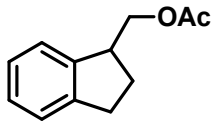
Injection of (+)-(*R*)-(3,4-dihydro-2H-chromen-4-yl)methanol (2c) on CG-FID equipped with α-dex 120 chiral column.



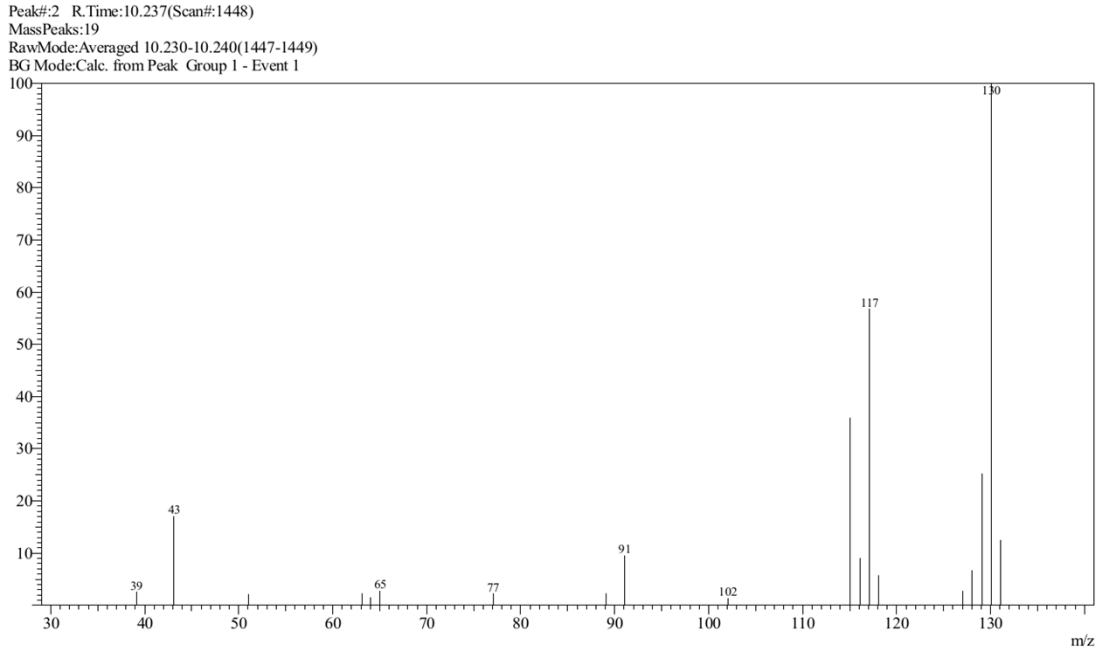
Injection of (-)-(*S*)-(3,4-dihydro-2H-chromen-4-yl)methanol (2c) on CG-FID equipped with α-dex 120 chiral column.



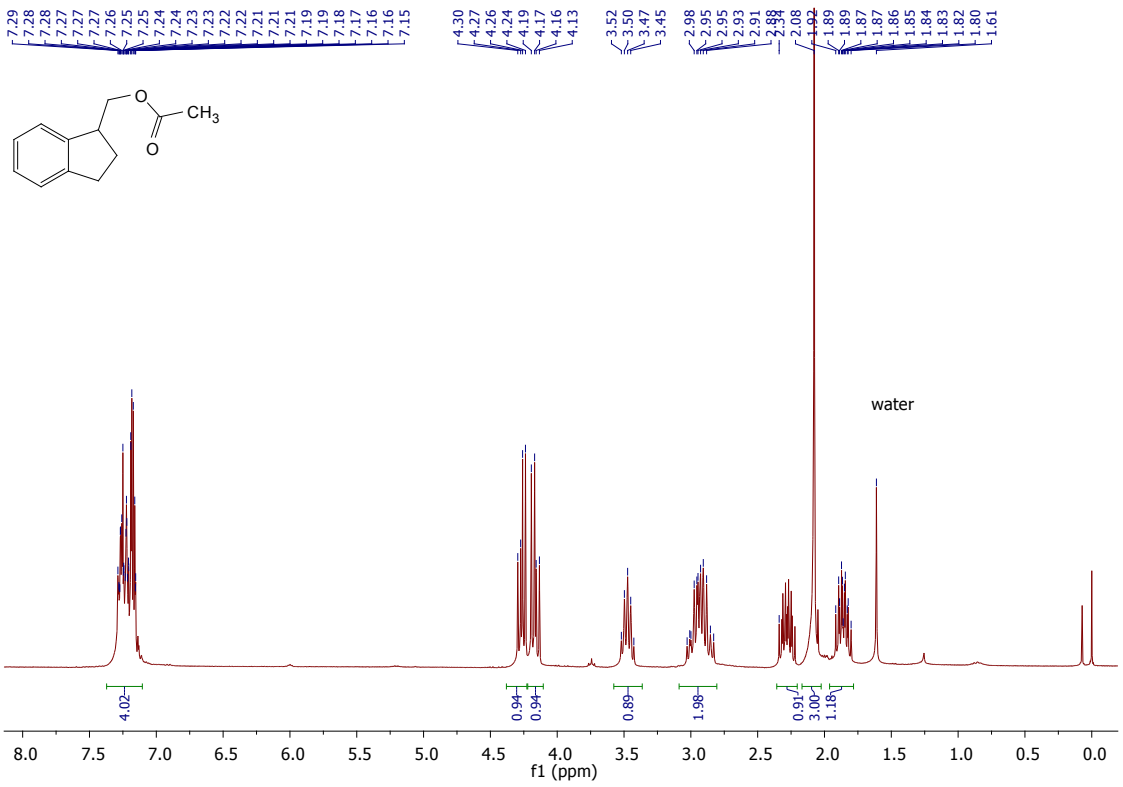
(2,3-dihydro-1*H*-inden-1-yl)methylacetate (3a).



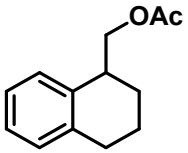
MS spectra from (2,3-dihydro-1*H*-inden-1-yl)methylacetate (3a).



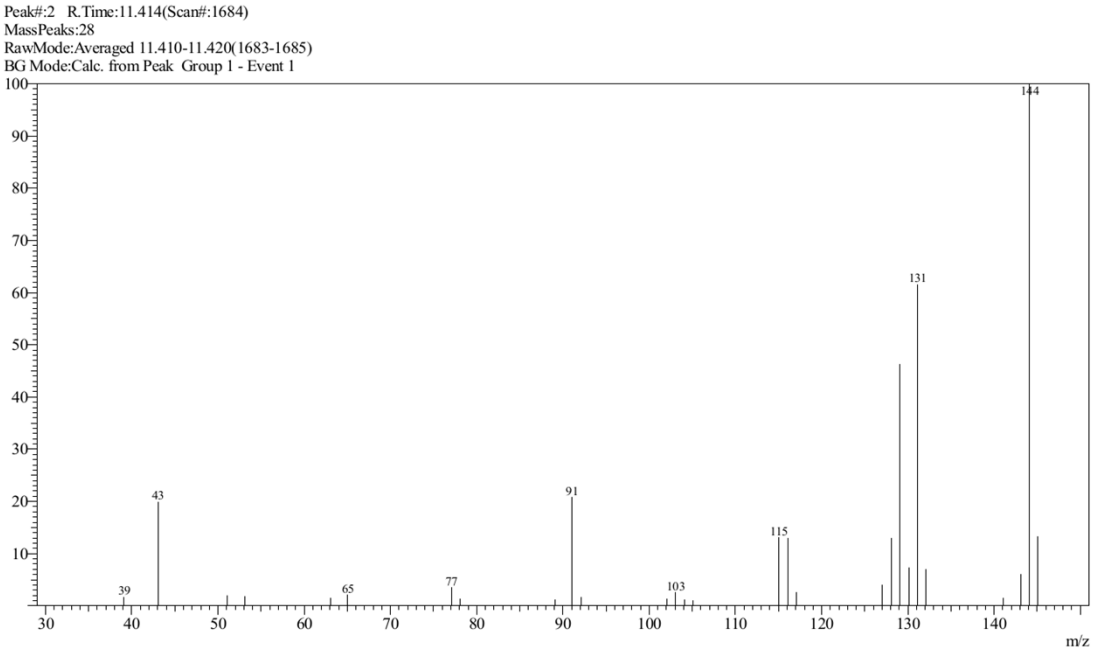
^{1}H NMR spectra from (2,3-dihydro-1*H*-inden-1-yl)methylacetate (3a).



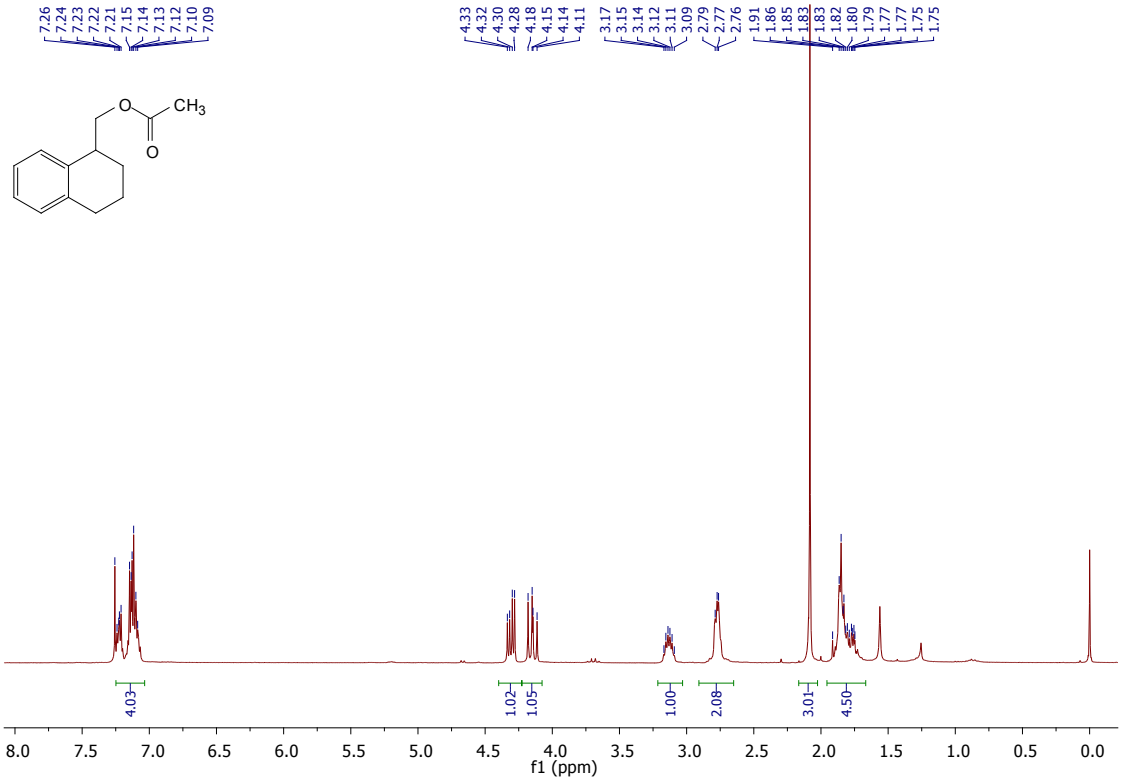
(1,2,3,4-tetrahydronaftalen-1-yl)methylacetate (3b).



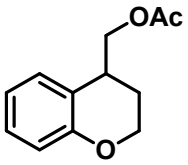
MS spectra from (1,2,3,4-tetrahydronaftalen-1-yl)methylacetate (3b).



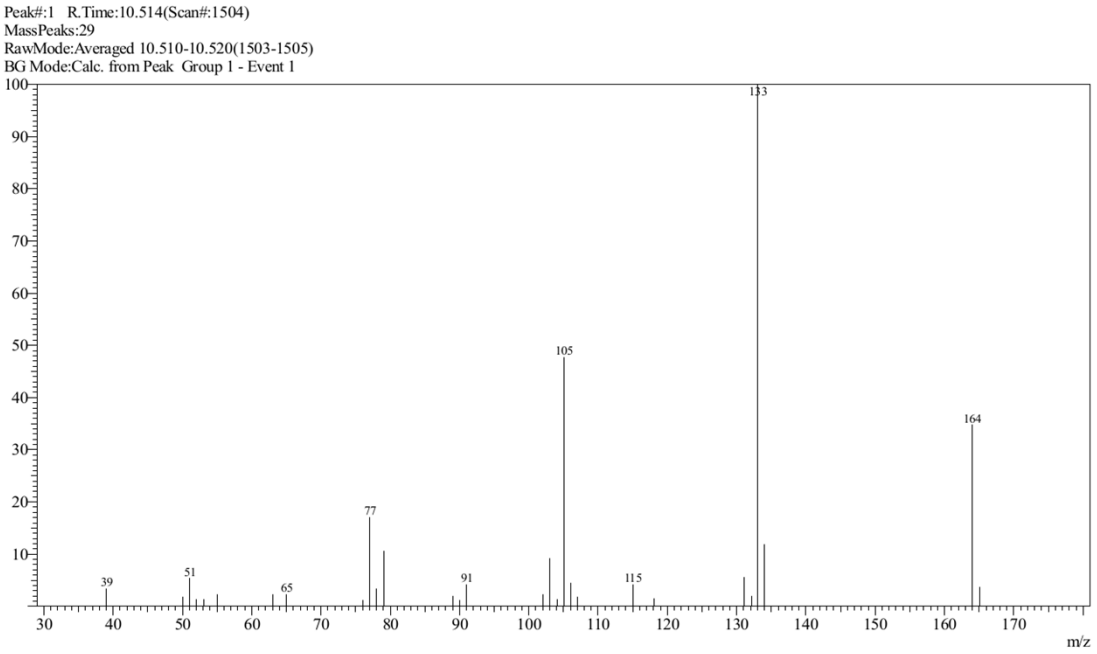
^{1}H NMR spectra from (1,2,3,4-tetrahydronaftalen-1-yl)methylacetate (3b).



(3,4-dihydro-2*H*-chromen-4-yl)methyl acetate (3c).



MS spectra from (3,4-dihydro-2*H*-chromen-4-yl)methyl acetate (3c).



^{1}H NMR spectra from (3,4-dihydro-2*H*-chromen-4-yl)methyl acetate (3c).