

**Electronic Supplementary Information for
Chiral Discrimination of α -Amino Acids by DNA triplet GCA**

Additional figures:

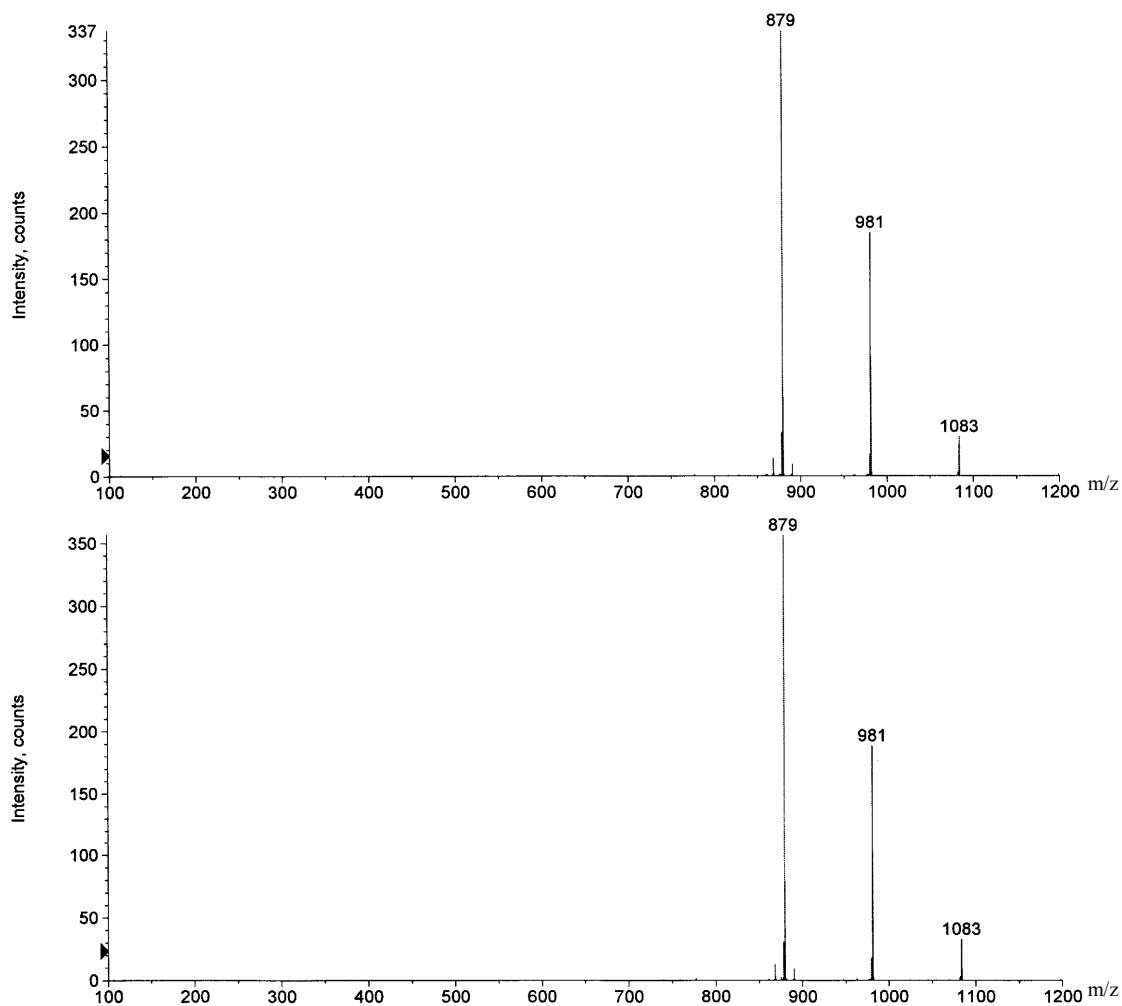


Figure 1. CID spectra of $[2X+2Y-3H+Na]^{2-}$ ion, X= D- Tryptophan (top) or L- Tryptophan (bottom) and Y = ACG.

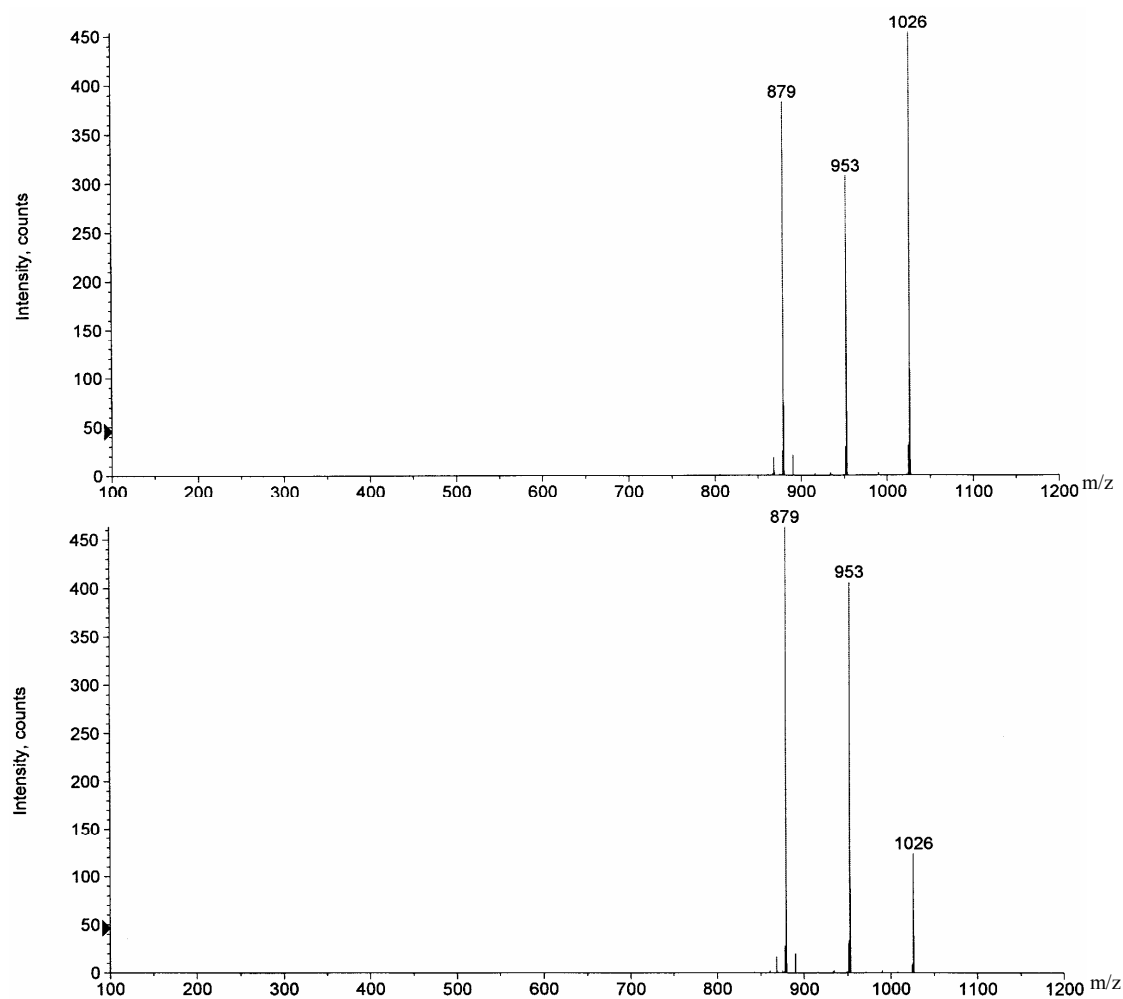


Figure 2. CID spectra of $[2X+2Y-3H+Na]^{2-}$ ion, X = D- Glutamic acid (top) or L- Glutamic acid (bottom) and Y = GCA.

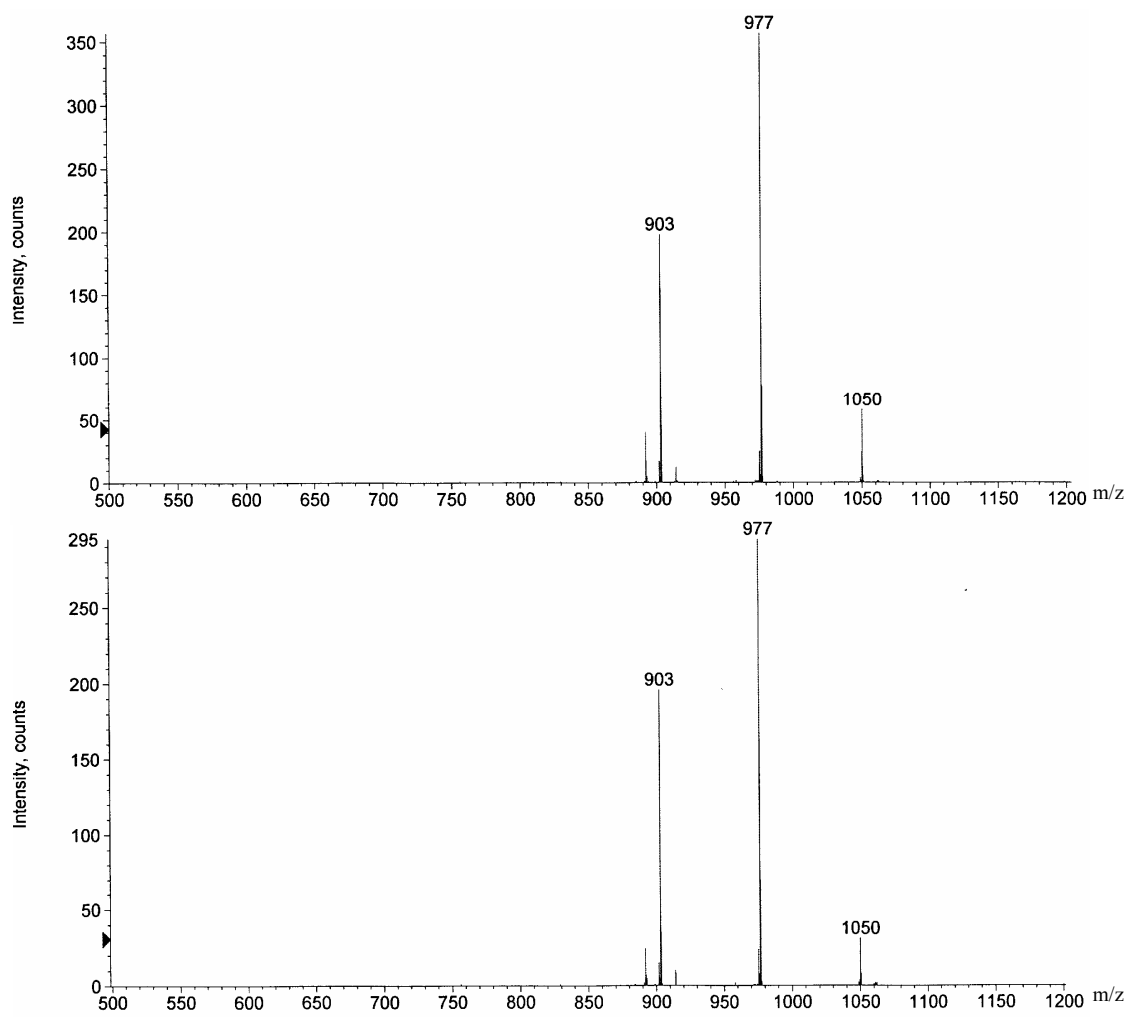


Figure 3. CID spectra of $[2X+2Y-3H+Na]^{2-}$ ion, X = D- Glutamic acid (top) or L- Glutamic acid (bottom) and Y= GAA.

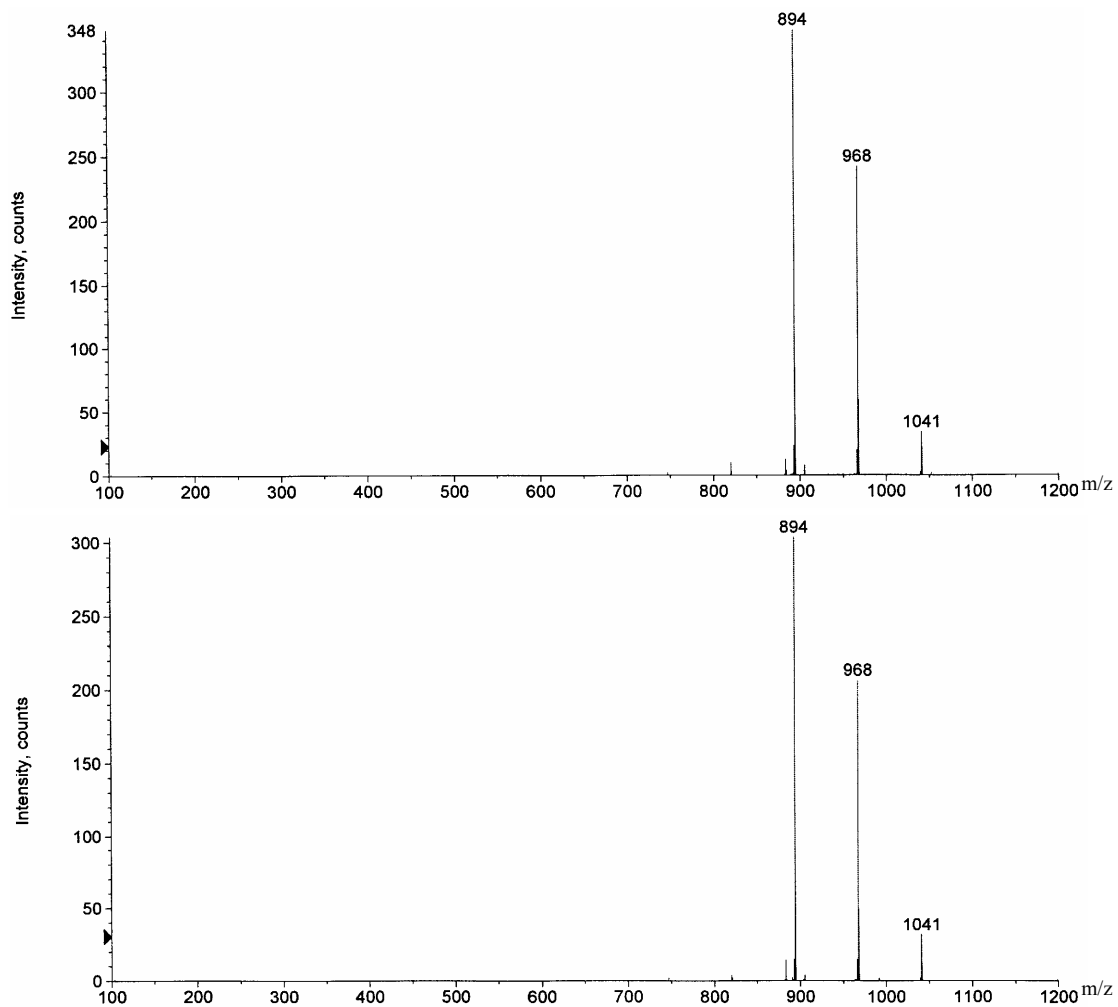


Figure 4. CID spectra of $[2X+2Y-3H+Na]^{2-}$ ion, X = D- Glutamic acid (top) or L- Glutamic acid (bottom) and Y = GTA.

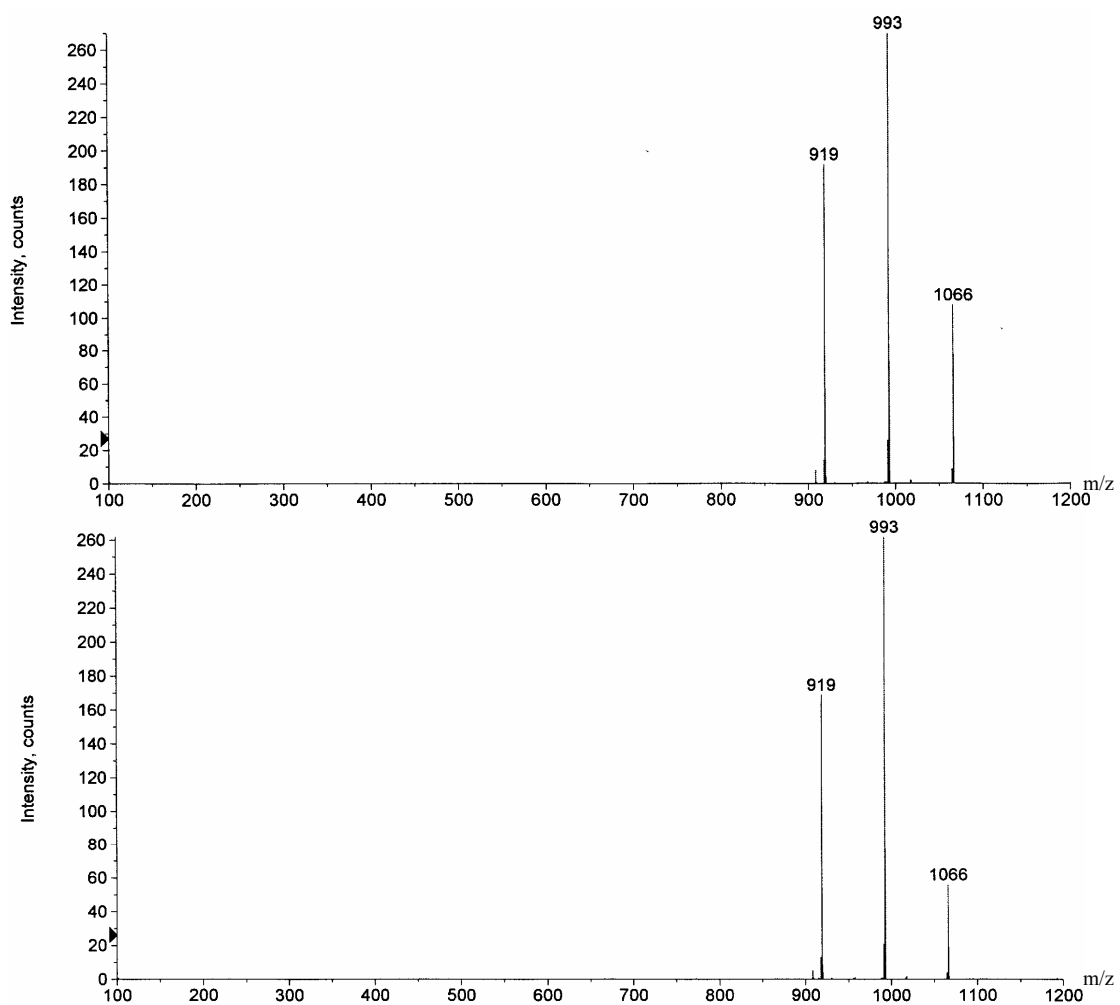


Figure 5. CID spectra of $[2X+2Y-3H+Na]^{2-}$ ion, X = D- Glutamic acid (top) or L- Glutamic acid (bottom) and Y = GGA.

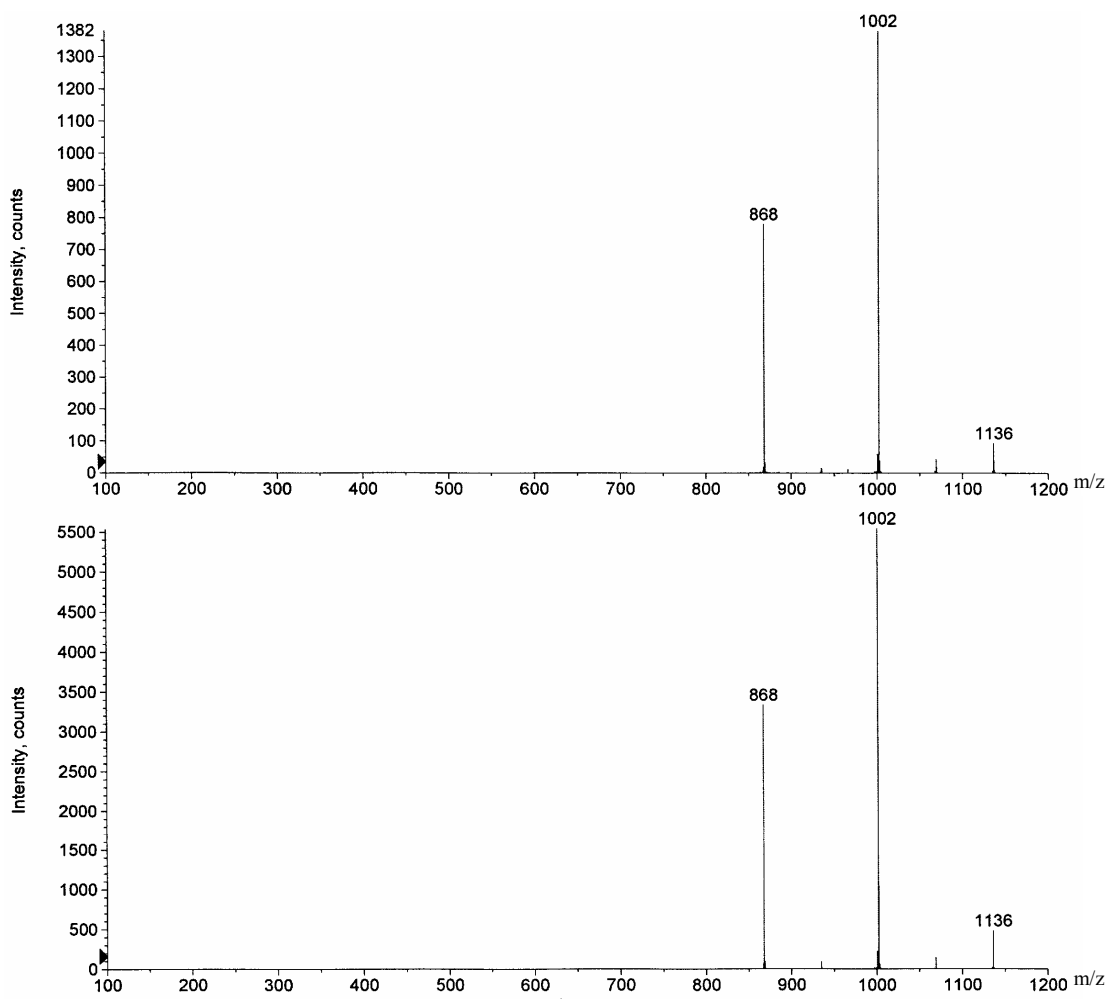


Figure 6. CID spectra of $[2X+Y-H]^-$ ion, X = D- Malic acid (top) or L- Malic acid (bottom) and Y = GCA.

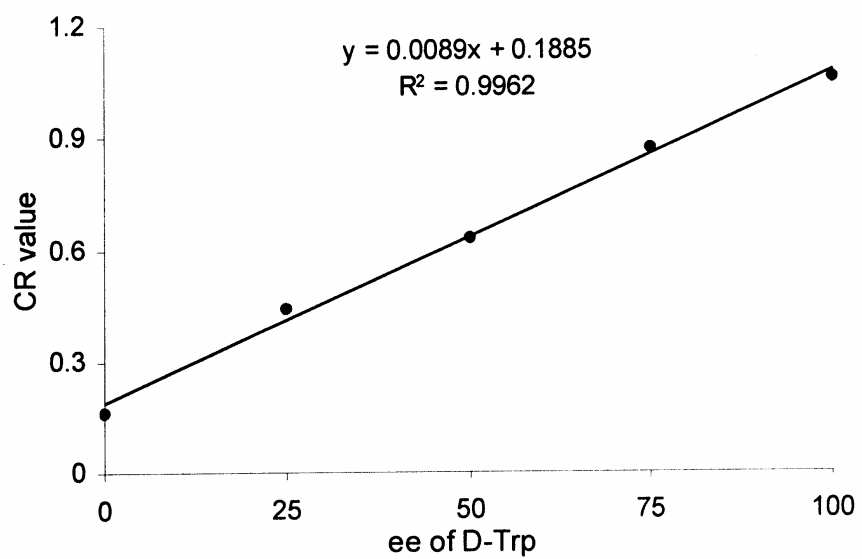


Figure 7. Plot of CR value (abundance ratio of **a/b**) versus ee of D-Trp with GCA as the chiral selector