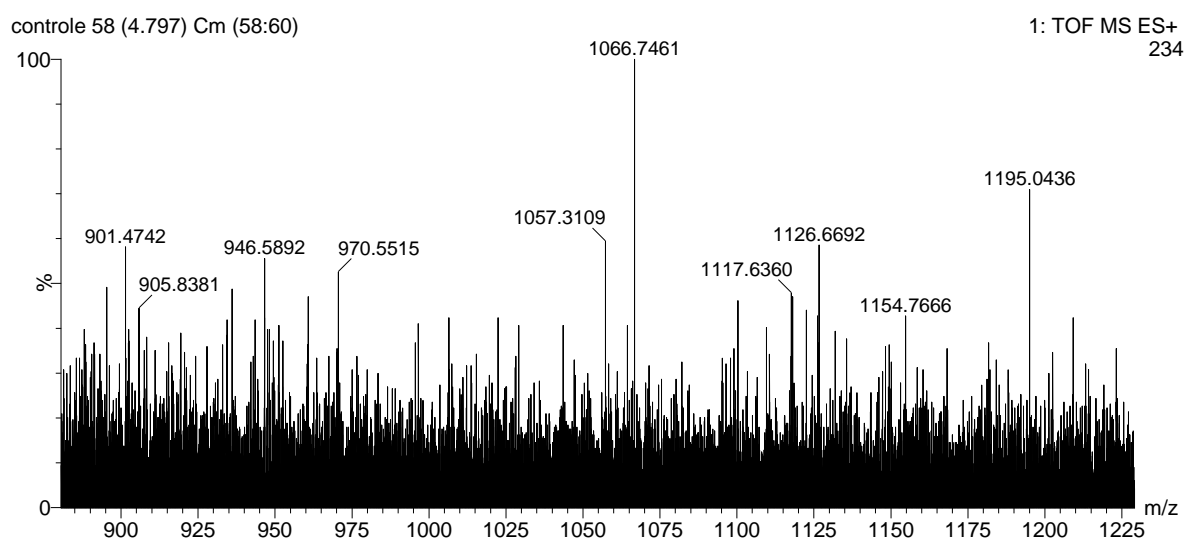
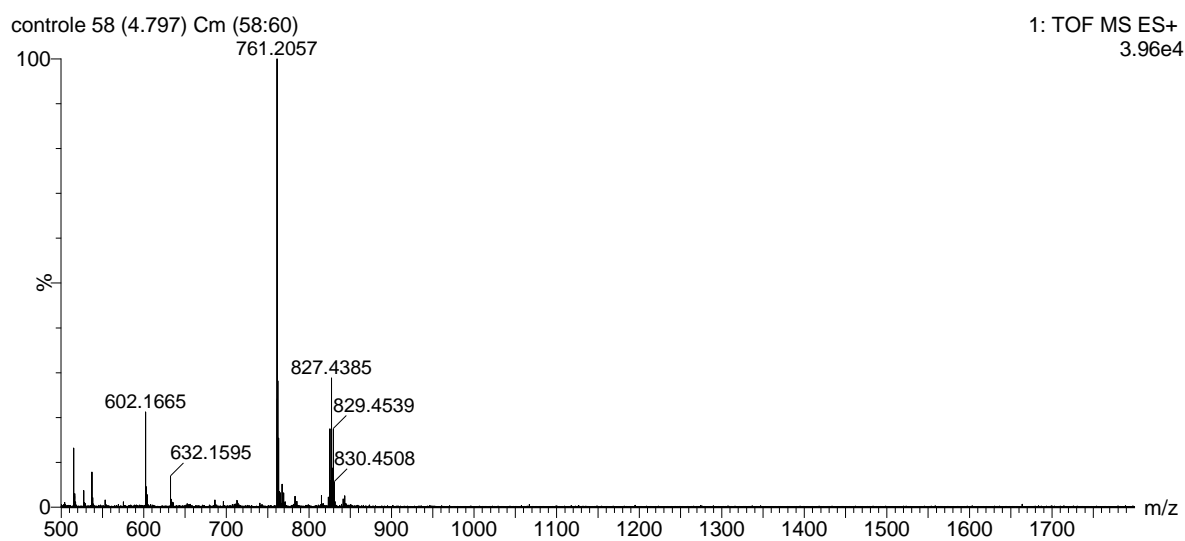


Supplementary Material to “*Echinometra lucunter* molecules reduce A β 42-induced neurotoxicity in SH-SY5Y neuron-like cells: effects on disaggregation and oxidative stress”

A

Control



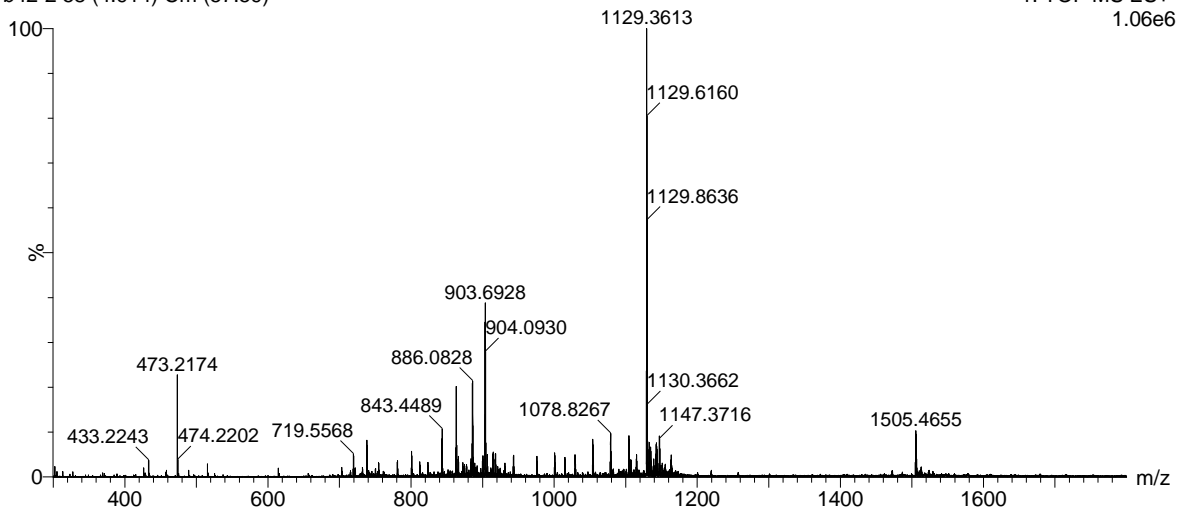
B

A β 42

padraoB42_MRM

b42-2 58 (4.914) Cm (57:59)

1: TOF MS ES+
1.06e6

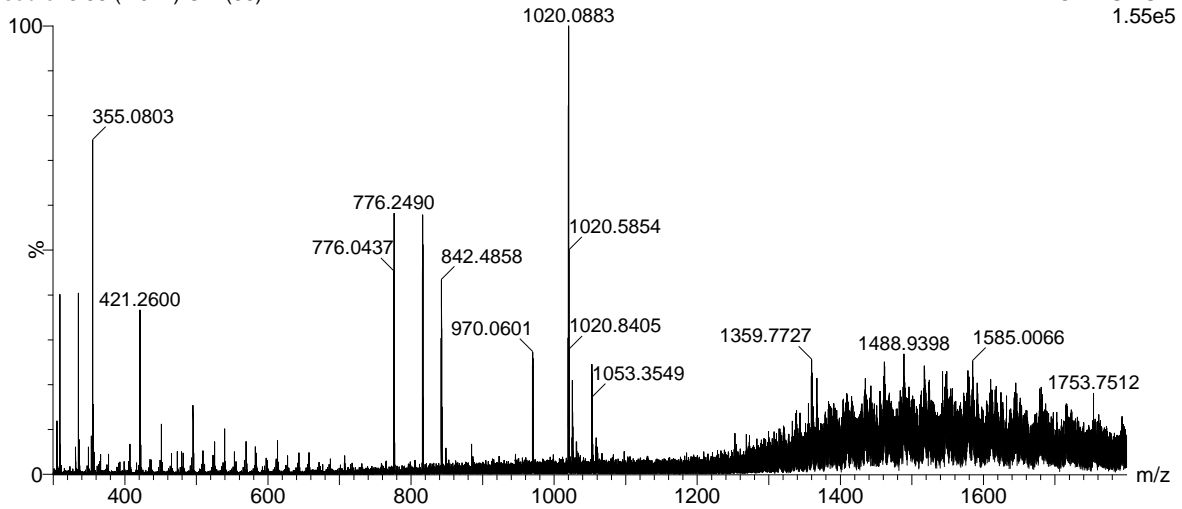


C

ELCF – prevention approach

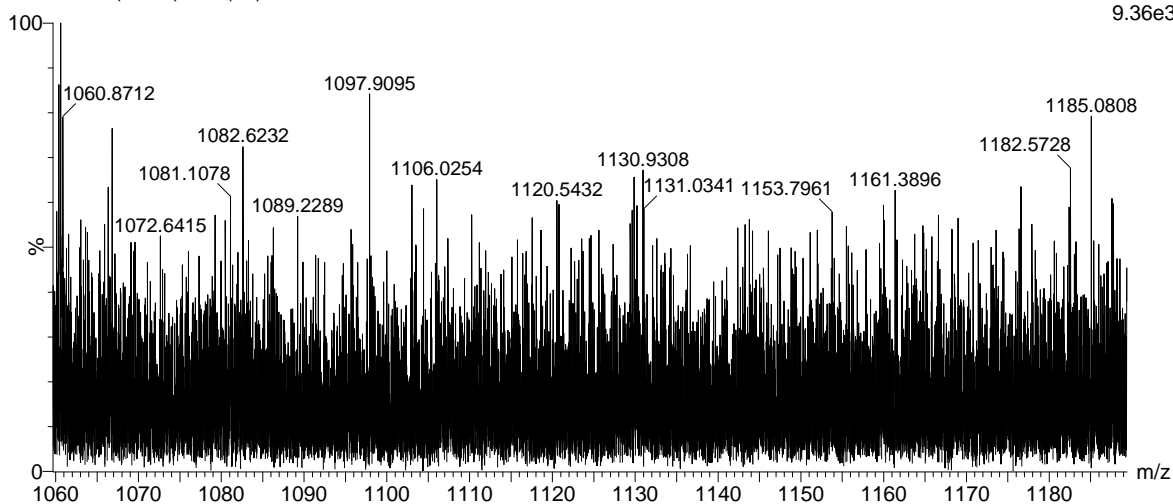
sobren3 58 (4.914) Cm (58)

1: TOF MS ES+
1.55e5



sobren3 58 (4.914) Cm (58)

1: TOF MS ES+
9.36e3

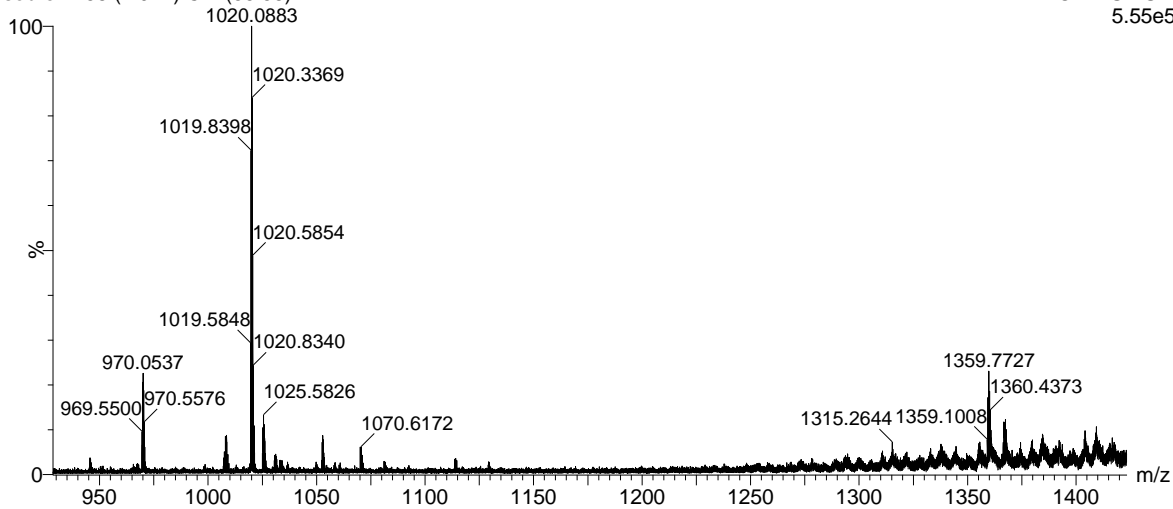


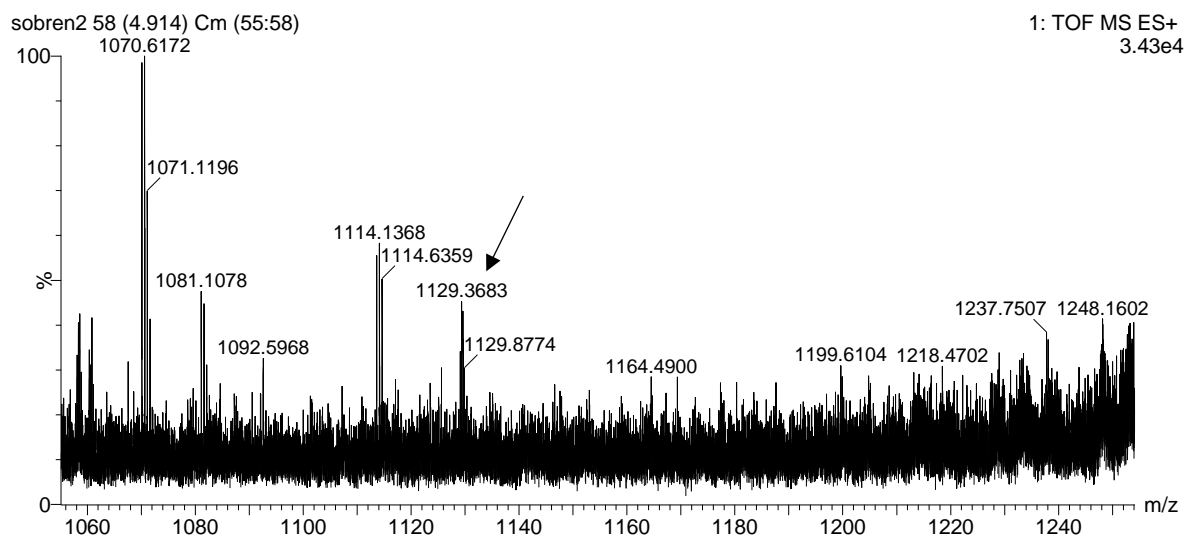
D

ELCF – treatment approach

sobren2 58 (4.914) Cm (55:58)

1: TOF MS ES+
5.55e5





Additional file 4. Mass spectra of culture media from SH-SY5Y cell culture. (A) Control, without treatment; (B) cells treated with 5 μ M A β 42o, where is possible to see ions 1129 and 1505 m/z, correspondent to the amyloid peptide; (C) cells treated with ELCF and then 5 μ M A β 42o (prevention approach), where no A β 42o ions were detected; (D) cells treated with 5 μ M A β 42o and then ELCF (treatment approach), where is possible to see the ion 1129 m/z (arrow in the zoomed image).