

Fig. S1 Total ion chromatogram of MEIEP from RICO of ZSBC by analysis with GC/MS.

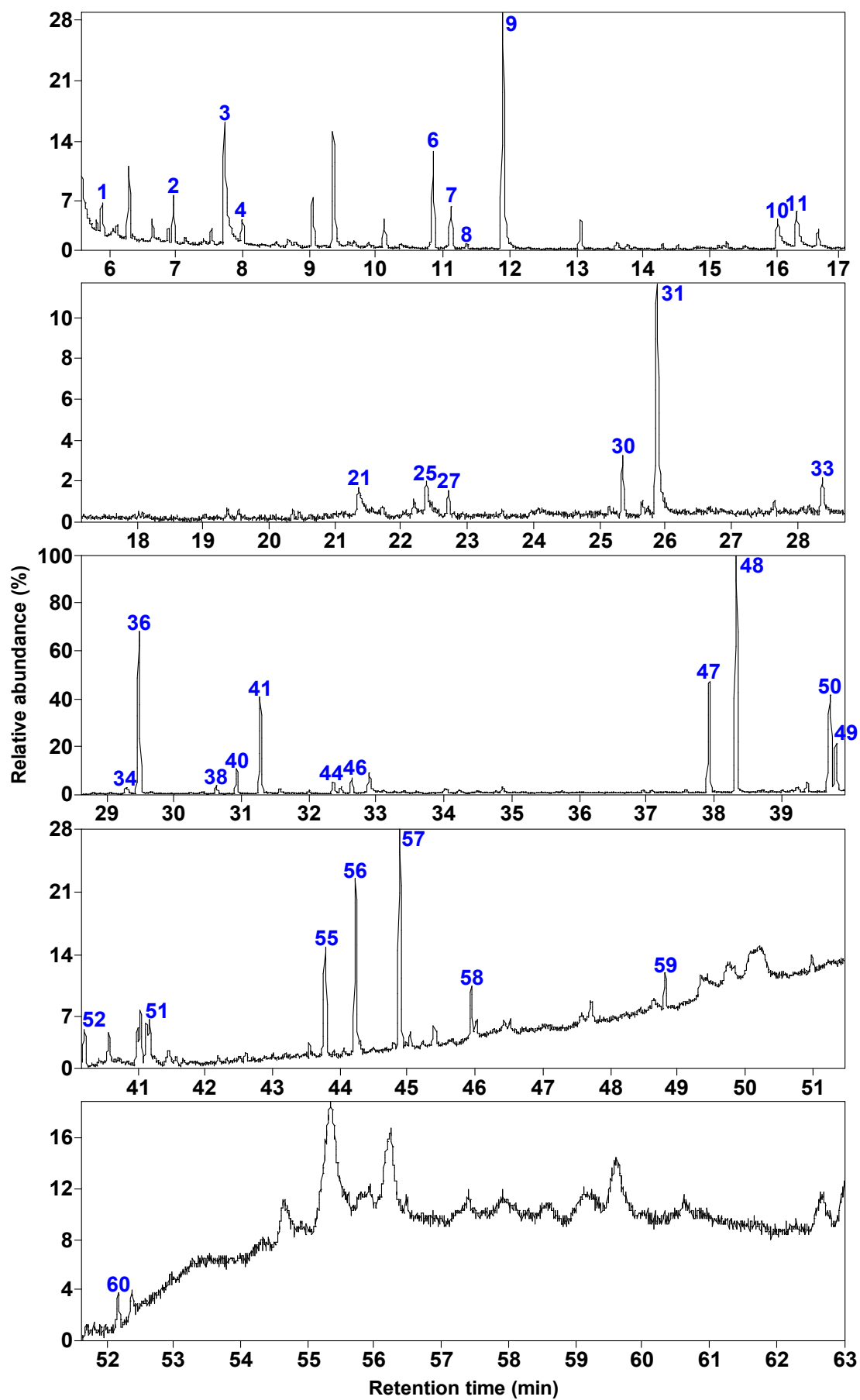


Fig. S2 Total ion chromatogram of MEEP from RICO of ZSBC by analysis with GC/MS.

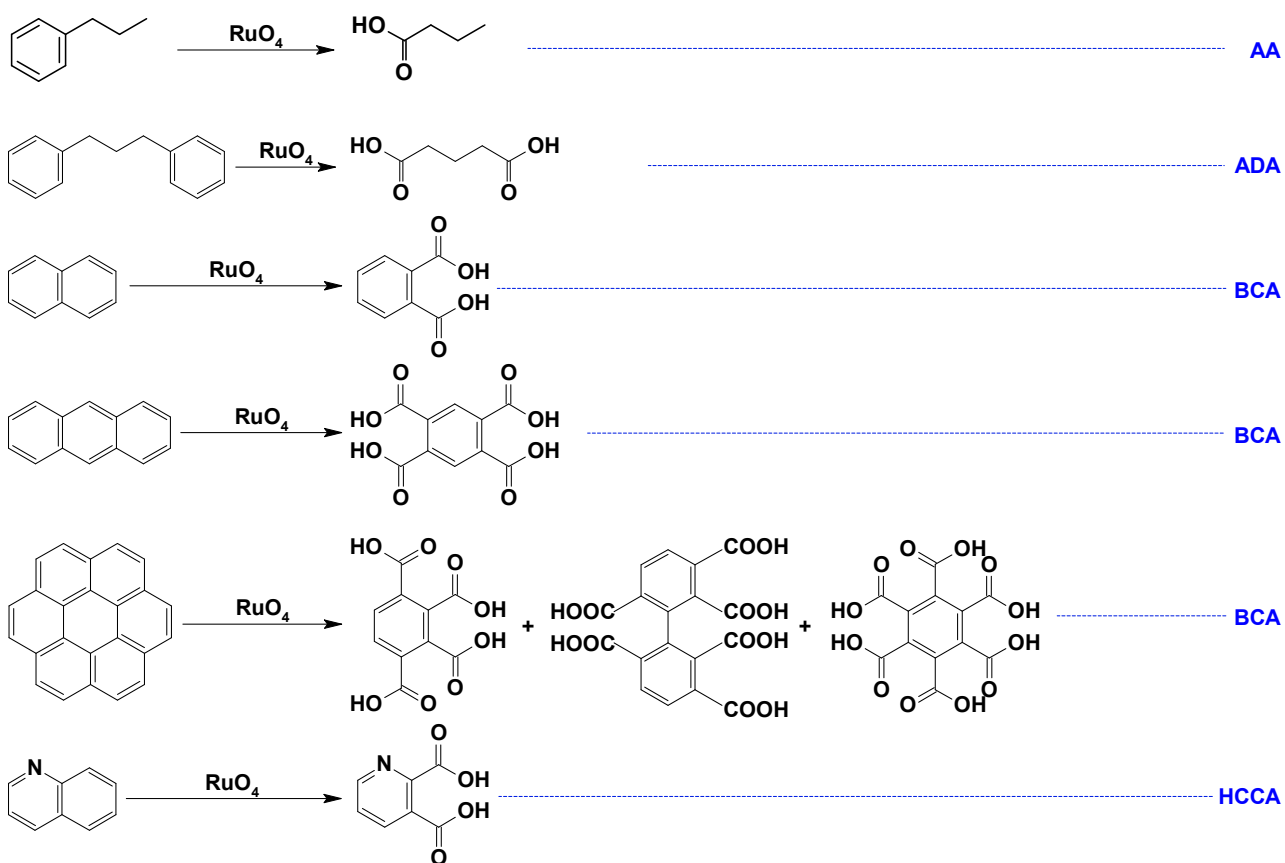


Fig. S3 Some typical reactions of RICO producing different types of oxidation products

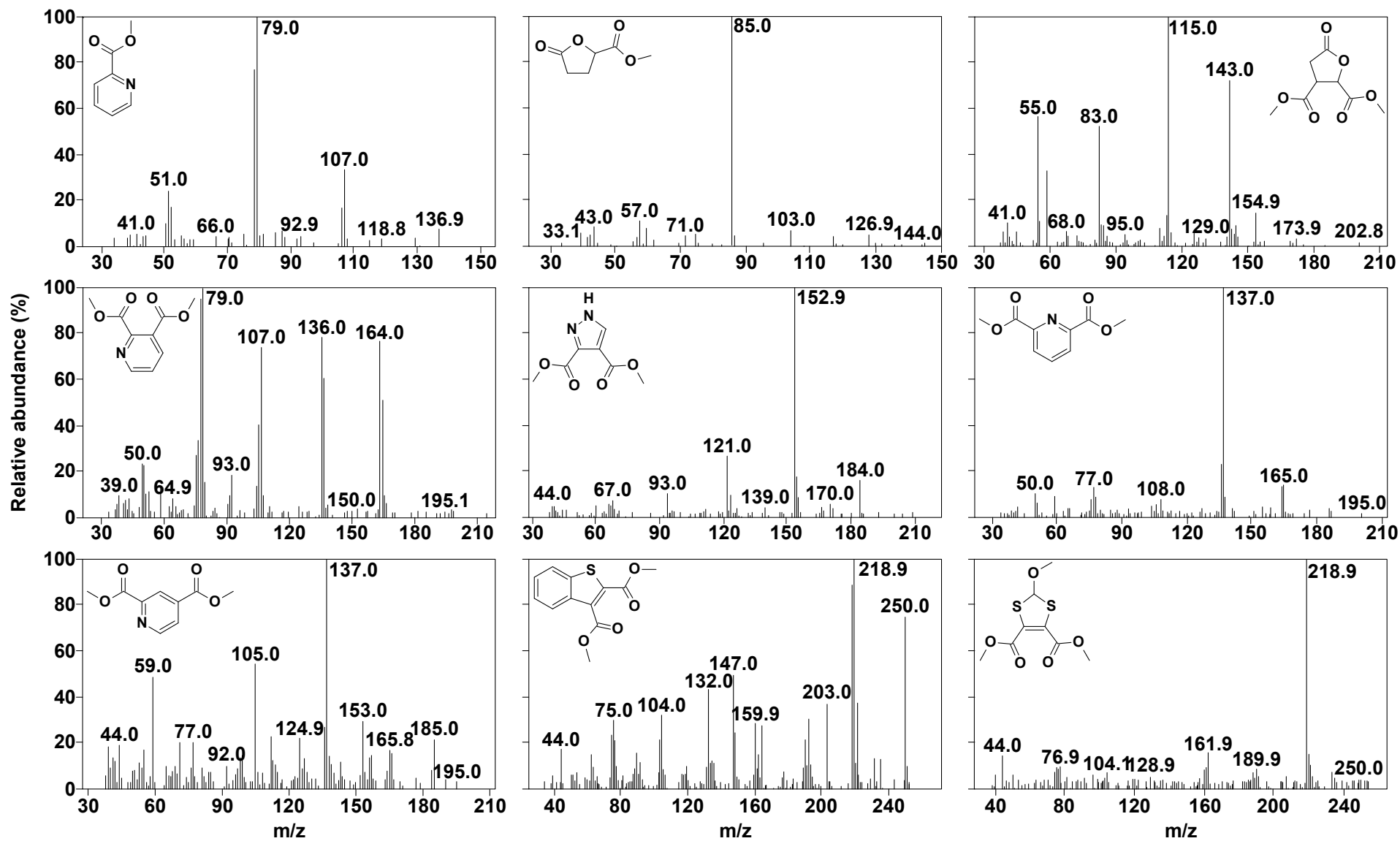


Fig. S4 Mass spectra of HCCAs from RICO of ZSBC by analysis with GC/MS.

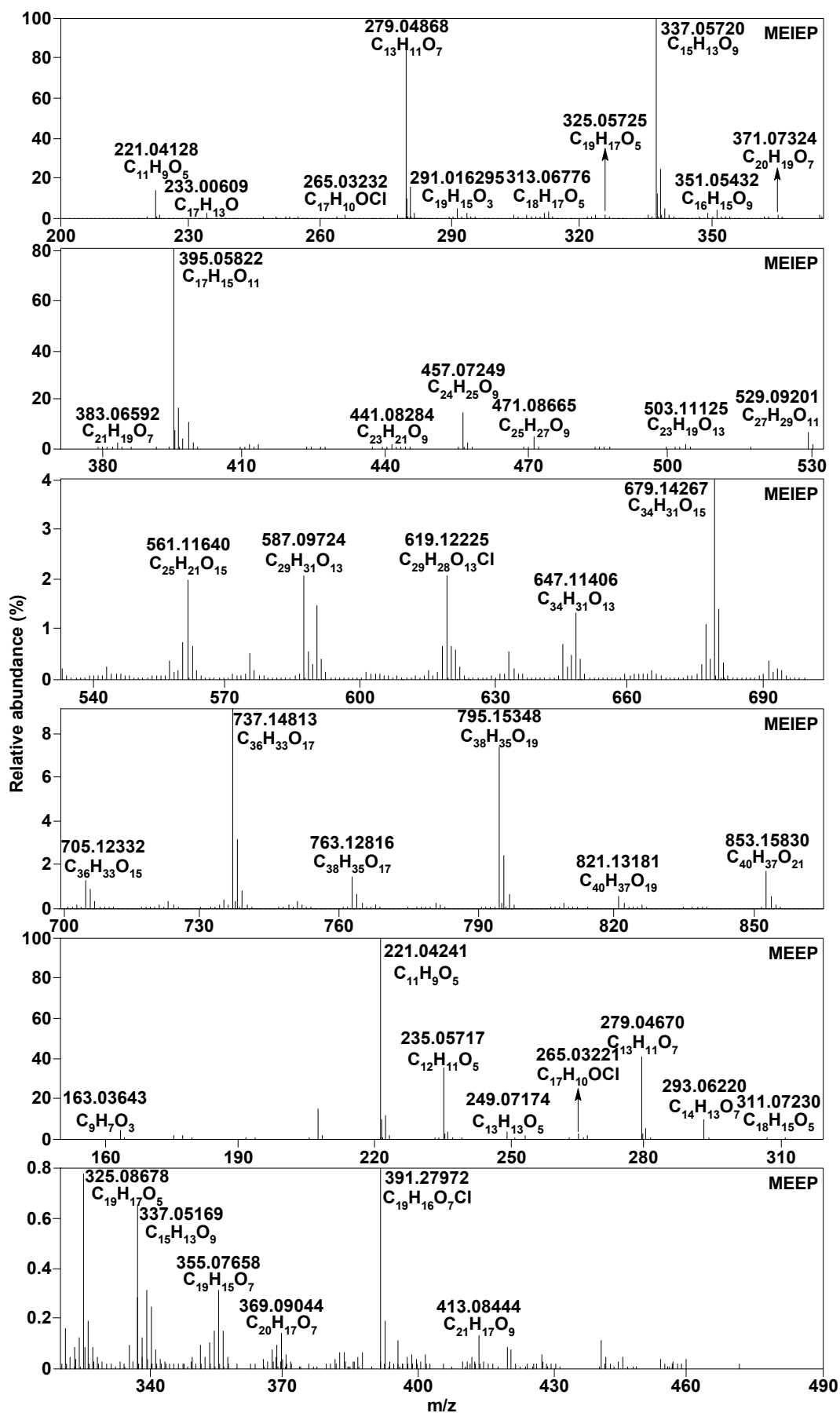


Fig. S5 Mass spectra of MEIEP and MEEP from RICO of ZSBC by analysis with ASAP/TOF-MS.

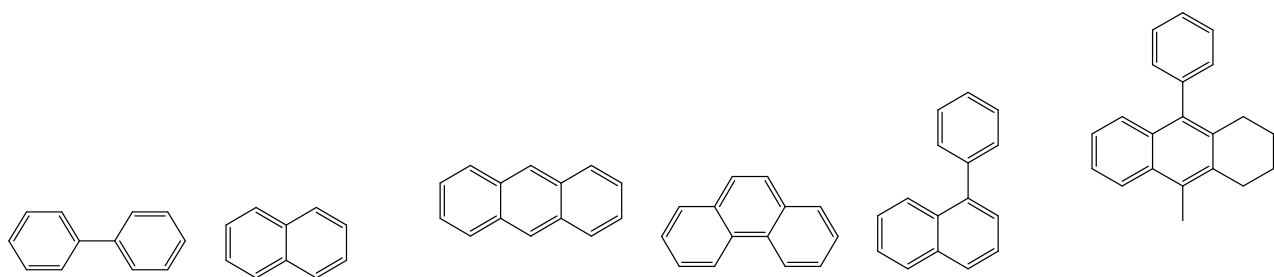


Fig. S6 Possible aromatic rings in the heavier arenepolycarboxylic acids.