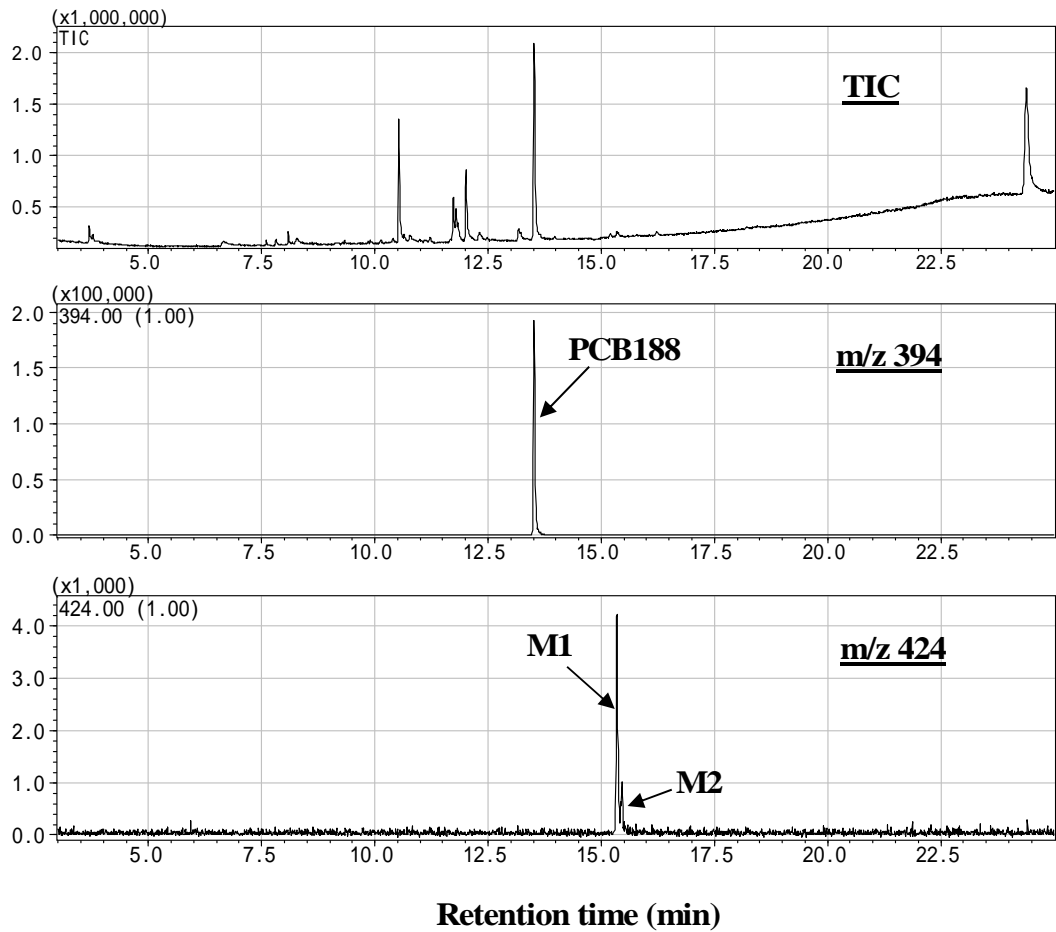


Fig. 1 Chemical structures of PCB182 and PCB188

(A) Mass chromatograms



(B) Mass spectra of PCB188 and M1

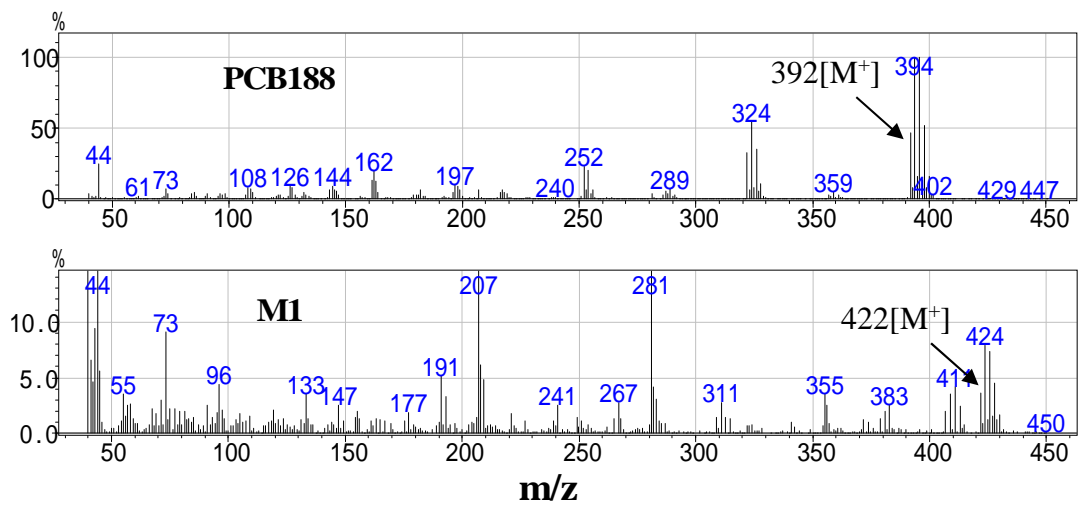


Fig. 2 GC-MS analysis of the methylated derivative of CB188 metabolites produced by liver microsomes of PB-treated rats

(A) Mass chromatograms (B) Mass spectra of PCB188 and M1

Table 1 Mass spectral data and retention times of the methylated derivatives of two PCB188 metabolites

Compound	Molecular weight	Mass spectral data (Relative abundance, %)						Retention time (min) in GC-MS
		[M ⁺]	[M ⁺ -15]	[M ⁺ -35]	[M ⁺ -43]	[M ⁺ -50]	[M ⁺ -70]	
PCB188	392	100	-	4	-	-	78	13.51
M1	422	100	54	-	35	33	-	15.35
M2	422	100	-	-	-	-	-	15.45

-, not detected.

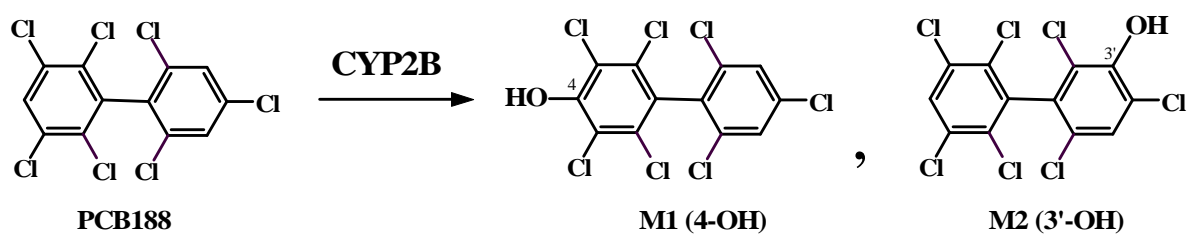


Fig. 3 Postulated metabolic pathways of PCB188 in rat liver