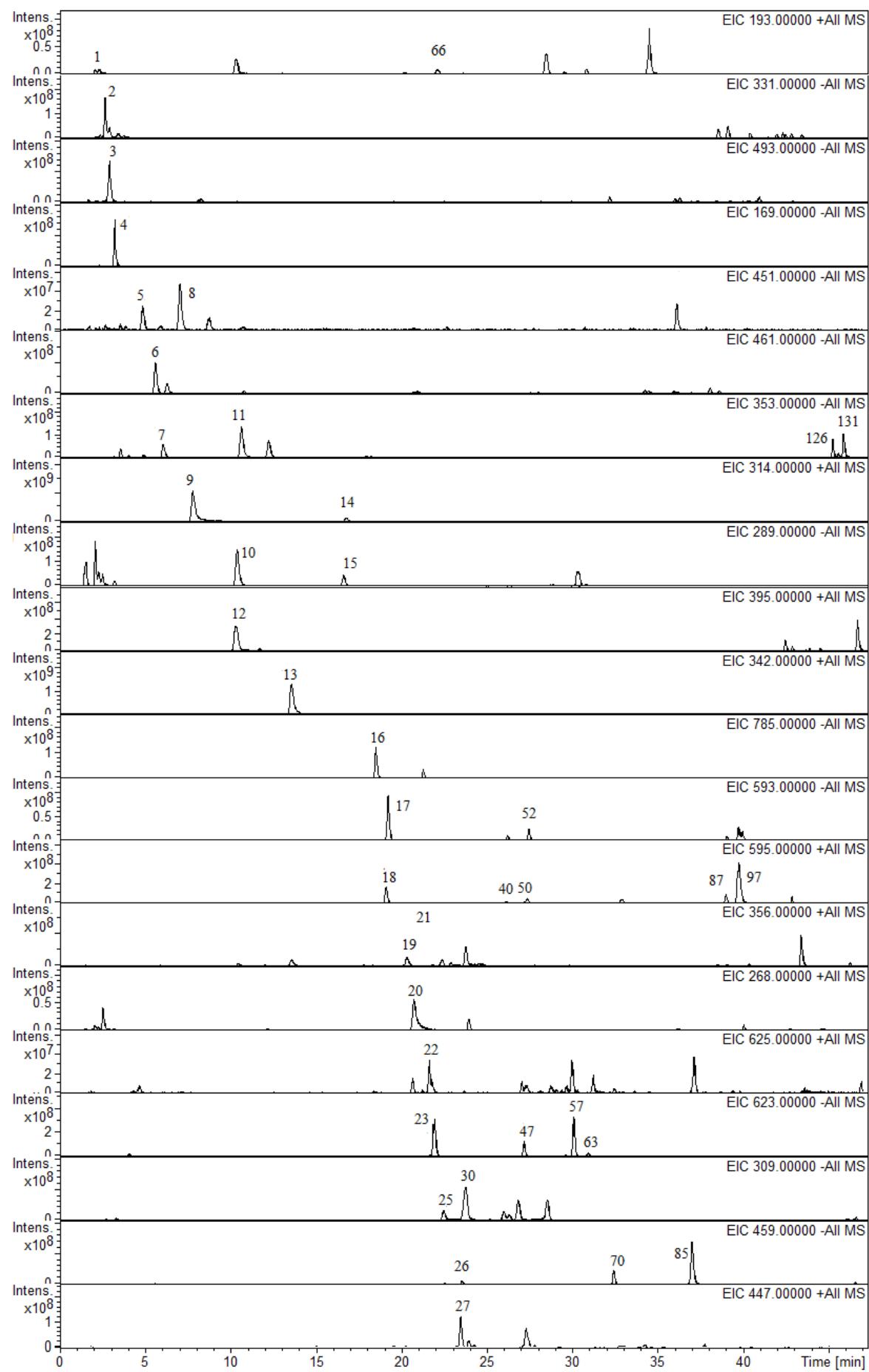
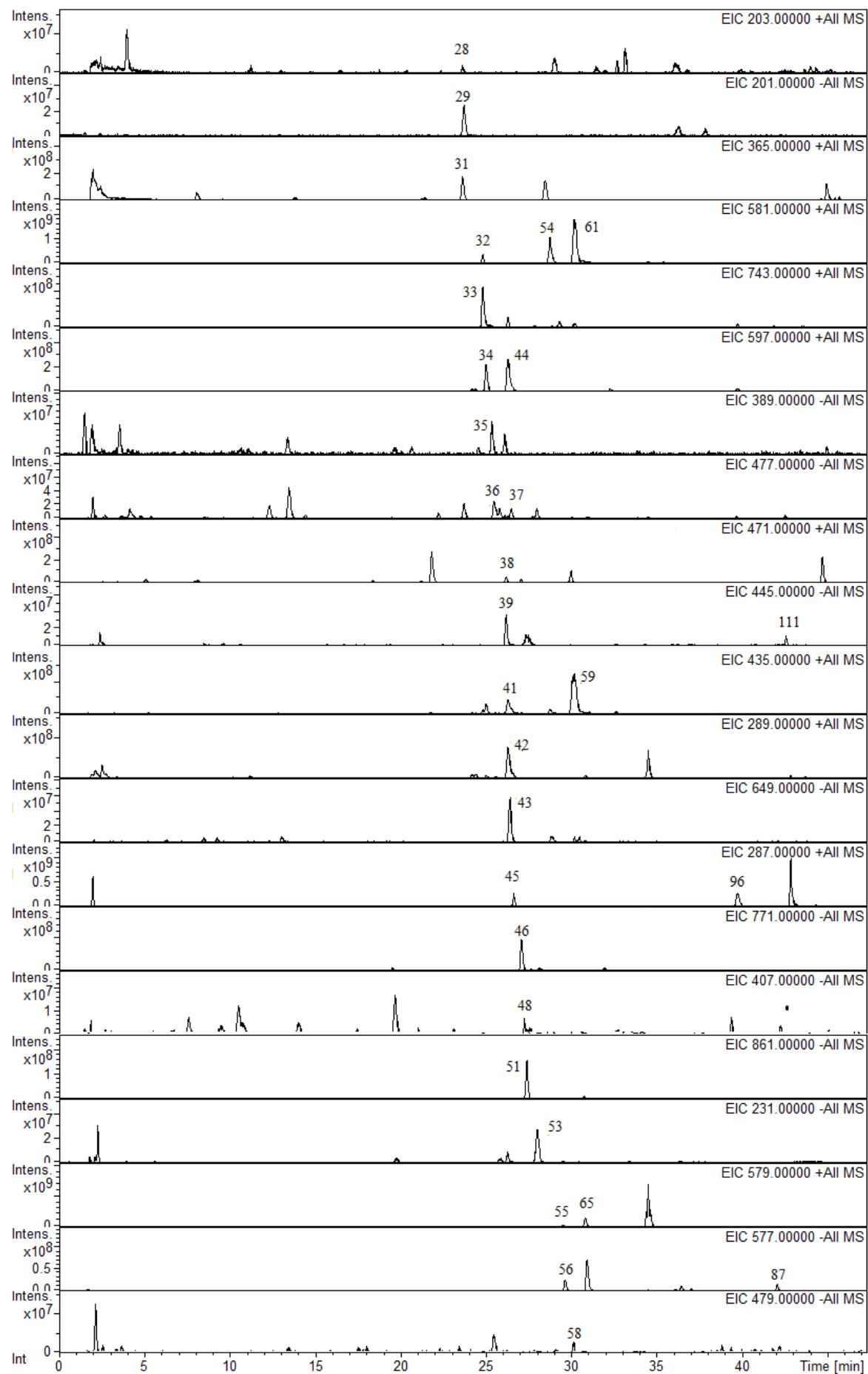


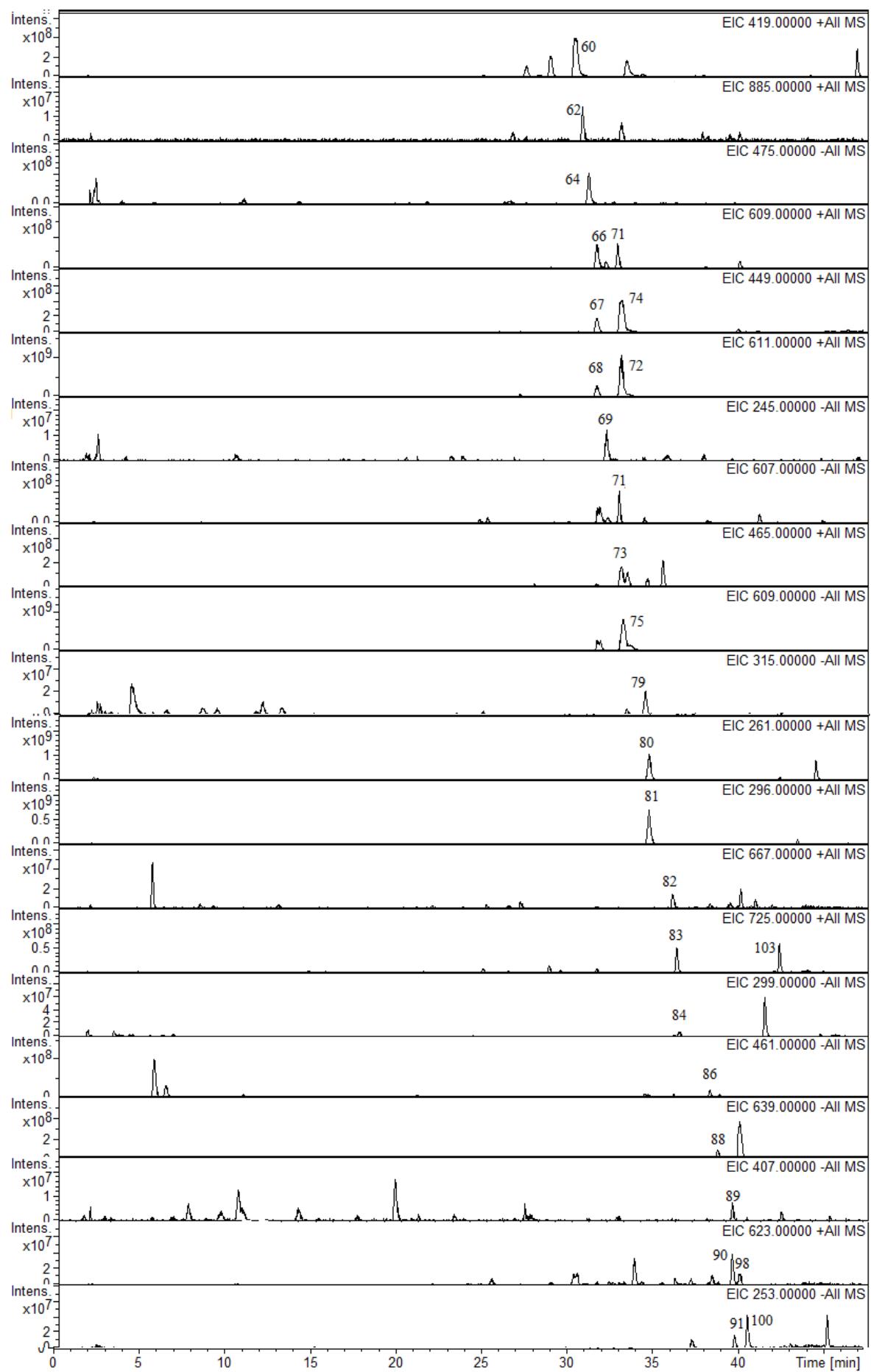
Supplementary data

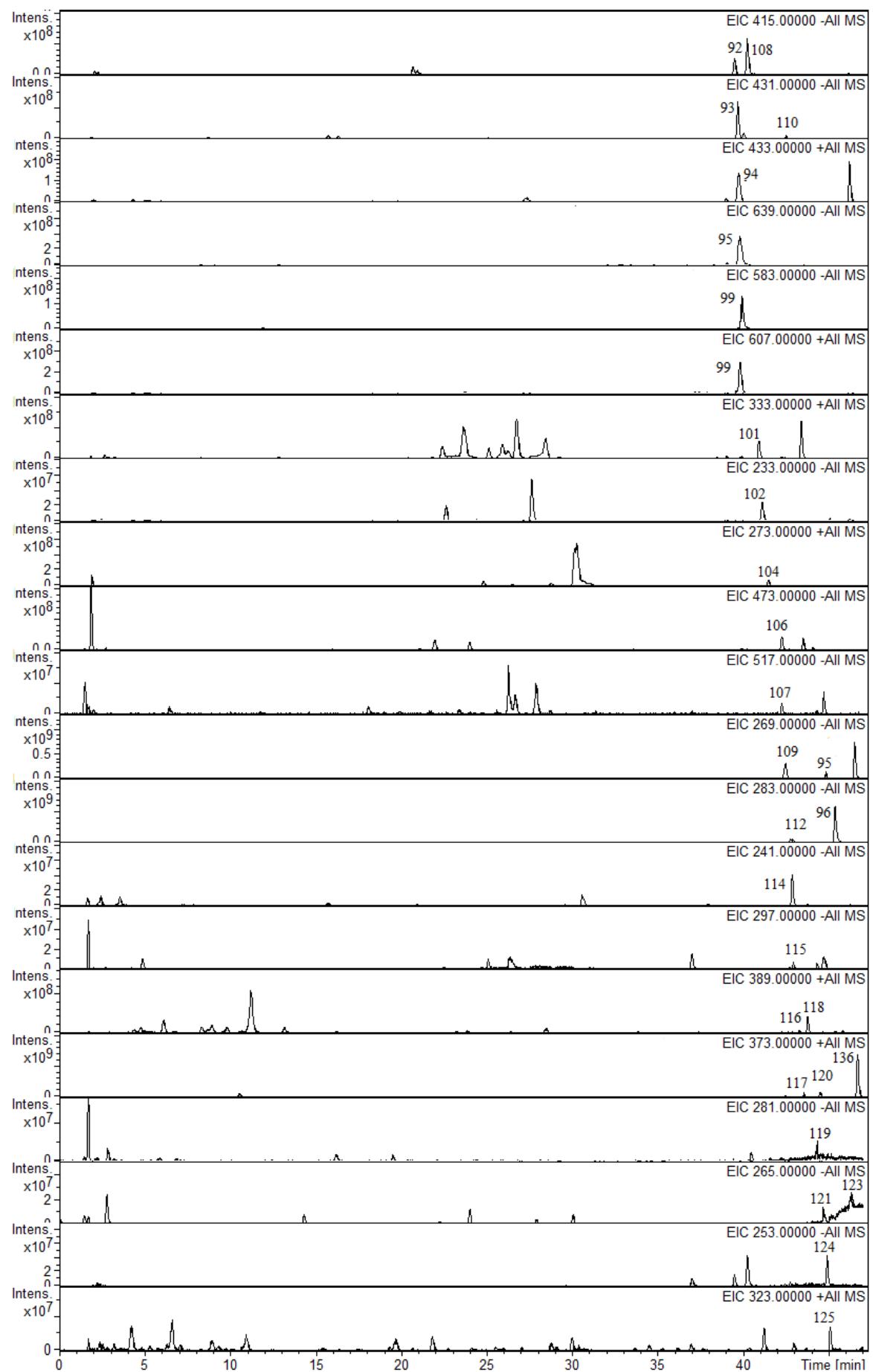
Fig.S1 Extracted ion chromatograms (EICs) for chemical compounds in SHD.

Fig.S2 The chemical structures of compounds in SHD









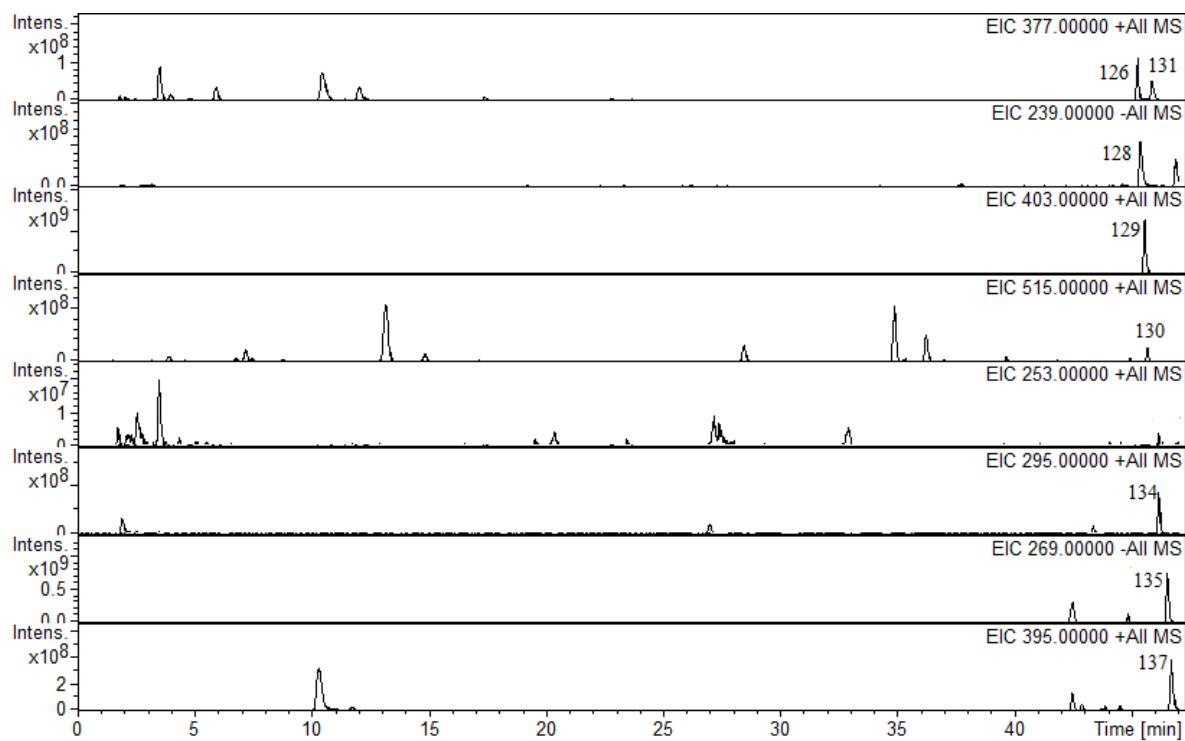
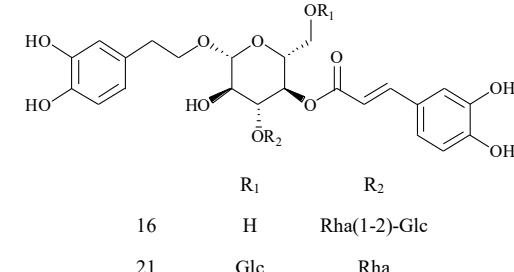
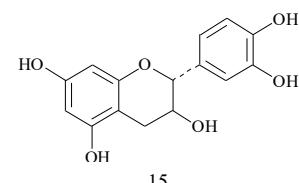
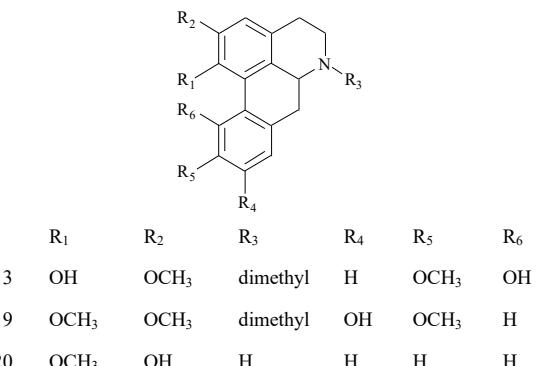
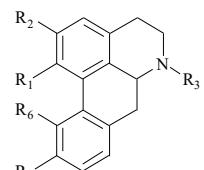
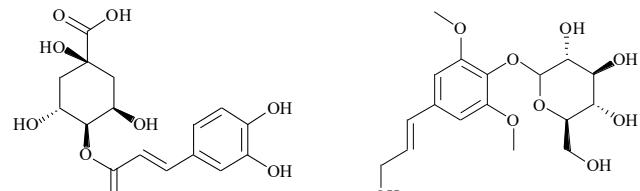
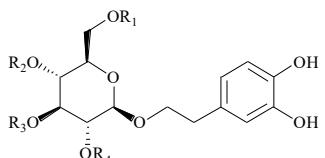
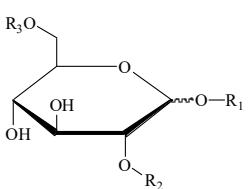
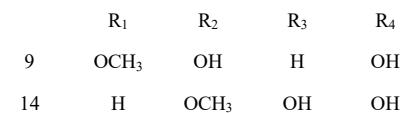
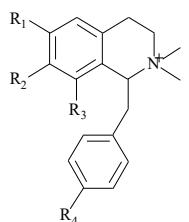
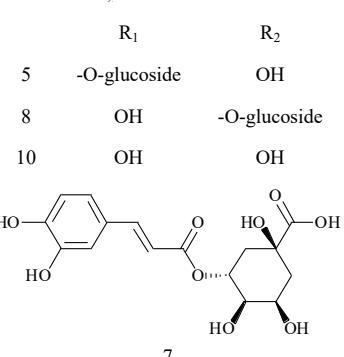
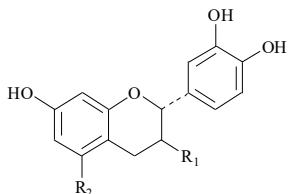
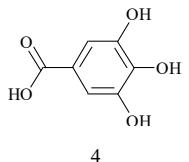
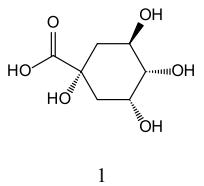
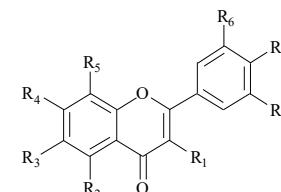
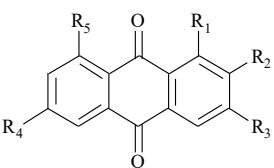
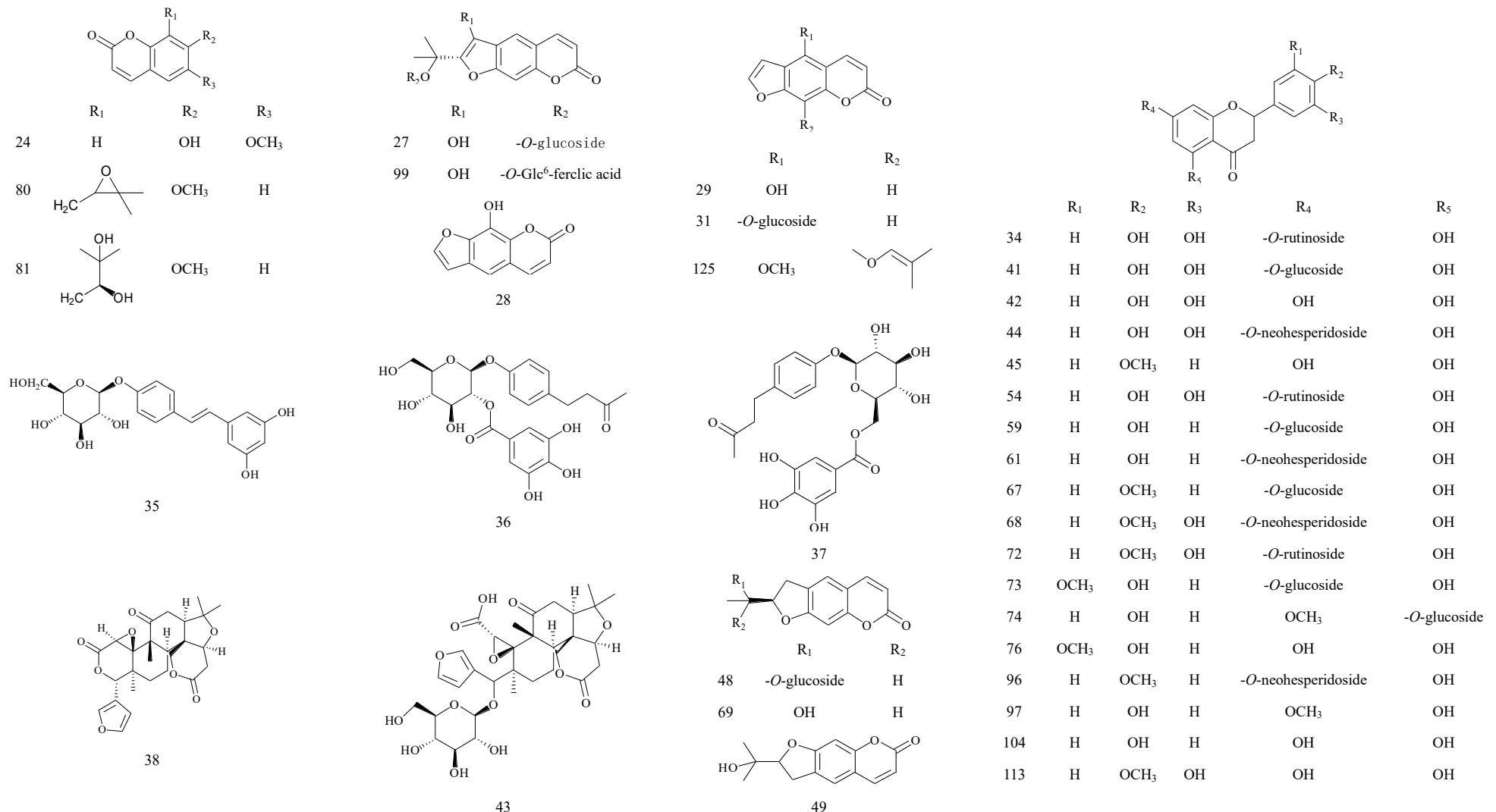


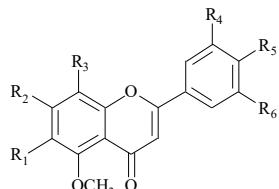
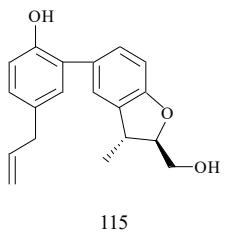
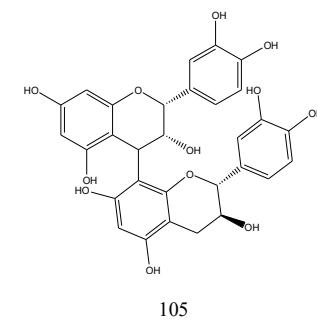
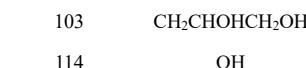
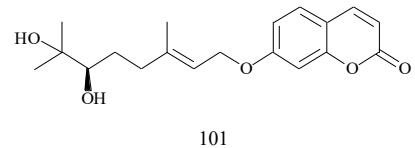
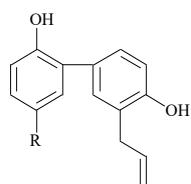
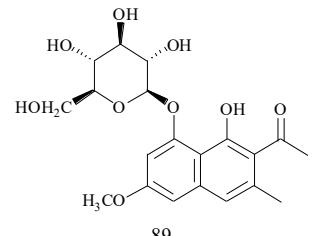
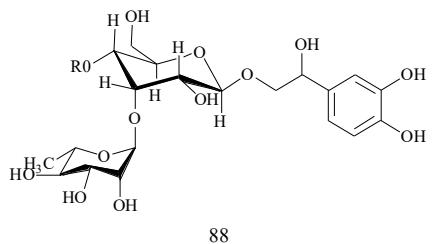
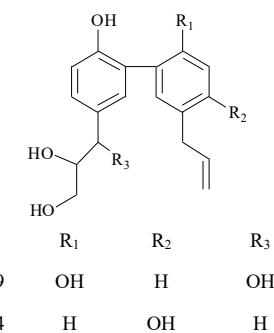
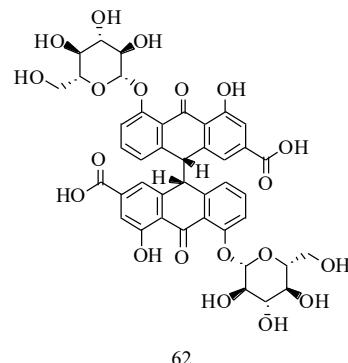
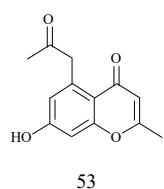
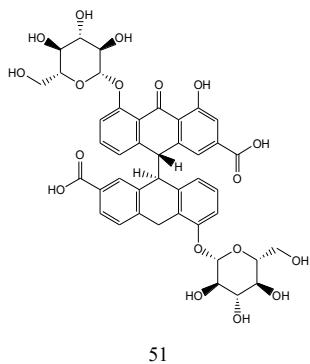
Fig.S1 Extracted ion chromatograms (EICs) for chemical compounds in SHD



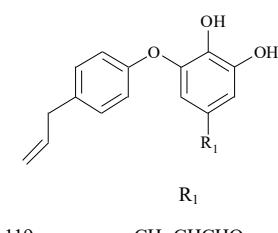


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17	OH	CH ₂ OH	H	H	-O-glucoside(6-1)- glucoside		18	H	OH	-O-glucoside	OH	-O-glucoside	H	OH	H
26	OH	H	CH ₃	OH	-O-glucuronic acid methyl ester		22	H	OH	-O-glucoside	OH	-O-glucoside	OCH ₃	OH	H
39	OH	H	CH ₂ OH	H	-O-glucoside		32	-O-glucoside	OCH ₃	H					
52	OH	CH ₃	H	OH	-O-glucoside(6-1)- glucoside		33	H	OH	H	-O-glucoside	H	OH	-O-glucoside	H
56	-O-glucoside	H	CH ₃	H	-O-glucoside		40	-O-Rutinose	OH	H	OH	H	H	OH	H
64	CH ₃	COOH	OH	H	-O-glucoside		50	H	OH	H	-O-glucoside	H	H	OH	H
-O- glucuronic acid	OCH ₃	H	CH ₃	OH	-O-glucoside		55	H	OH	H	-O-rutinoside	H	H	OH	H
							60	OH	OCH ₃	H					
85	OH	OCH ₃	H	CH ₃	-O-glucuronic acid		65	H	OH	H	-O-	H	H	OH	H
91	H	OH	CH ₃	H	OH		66	H	OH	H	neohesperidoside	H	H	OH	H
92	-O-glucoside	H	CH ₃	H	OH		71	H	OH	H	-O-	H	H	OCH ₃	OH
93	OH	H	CH ₃	OH	-O-glucoside		77	-O-(3-hydroxy-3-			neohesperidoside	H	H	OCH ₃	OH
100	OH	H	H	CH ₃	OH			methylglutarate)-	OH	H	-O-rutinoside	H	H	OCH ₃	OH
102	OH	H	CH ₃	H	-O-glucoside			glucoside	H	OH	-O-rutinoside	H	H	OCH ₃	OH
106	OH	H	CH ₃	H	OH		107	-O-(6"-O-acetyl)							
107	OH	OCH ₃	H	CH ₃	-O-glucuronic acid methyl ester		108	neohesperidoside	H	H	neohesperidoside	H	H	OCH ₃	OH
108	OH	H	CH ₃	OH	-O-malonyl-glucose		109	H	OH	H	-O-(6"-O-acetyl)	H	H	OCH ₃	OH
109	OH	H	CH ₃	OH	OH		110	neohesperidoside	H	H	neohesperidoside	H	H	OCH ₃	OH
110	OH	H	CH ₂ OH	H	-O-glucoside		111	-O-(3-hydroxy-3-							
111	OH	H	CH ₃	OCH ₃	-O-glucoside		112	methylglutarate)-							
112	OH	H	CH ₃	OCH ₃	H		113	glucoside							
123	OH	H	CH ₂ OH	H	OH		127	OCH ₃	OCH ₃	OCH ₃	-O-rutinoside	H	H	OCH ₃	H
127	OH	H	COOH	H	OH		128	OCH ₃	OCH ₃	OCH ₃	OCH ₃	OCH ₃	OCH ₃	OCH ₃	H
128	OH	H	H	H	OH		116	H	OH	OCH ₃	OCH ₃	H	OCH ₃	OCH ₃	H





	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆
117	OCH ₃	OCH ₃	OH	H	OCH ₃	OCH ₃
118	OCH ₃	OCH ₃	OCH ₃	OH	OCH ₃	H
120	OCH ₃	H	OCH ₃	OCH ₃	OCH ₃	H
129	OCH ₃	H				
136	H	OCH ₃	OCH ₃	OCH ₃	OCH ₃	H
137	OCH ₃	OCH ₃	H	H	OCH ₃	H



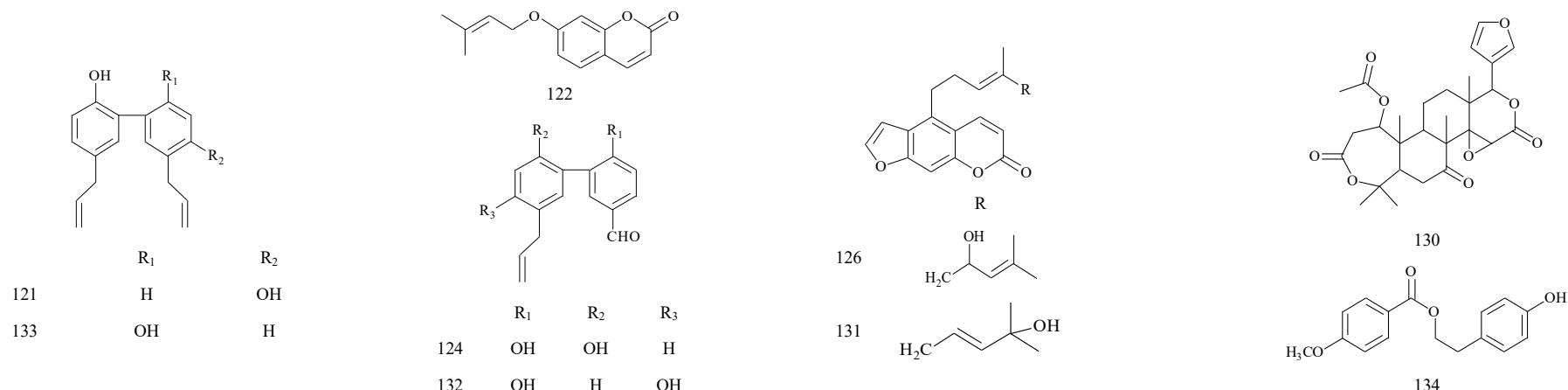


Fig.S2 The chemical structures of compounds in SHD