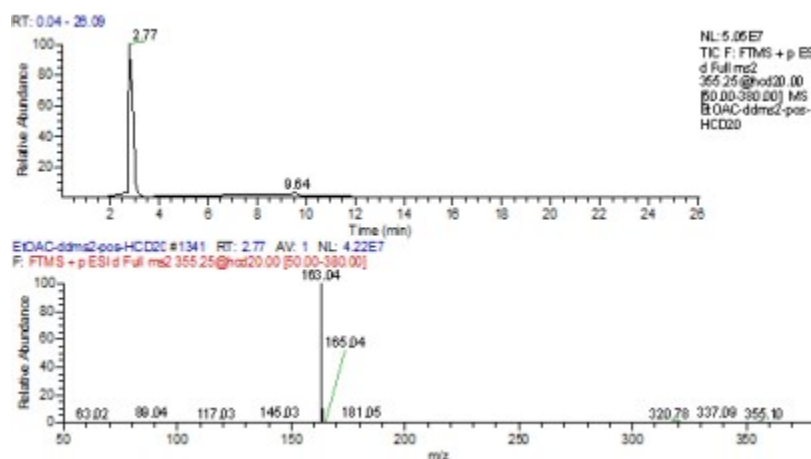
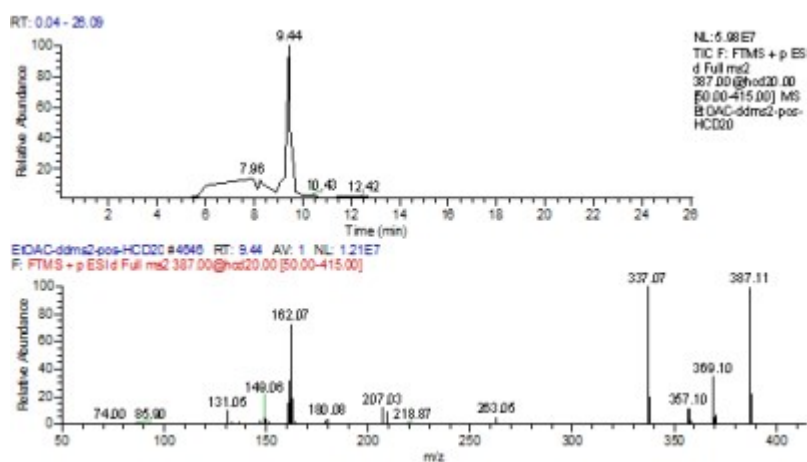
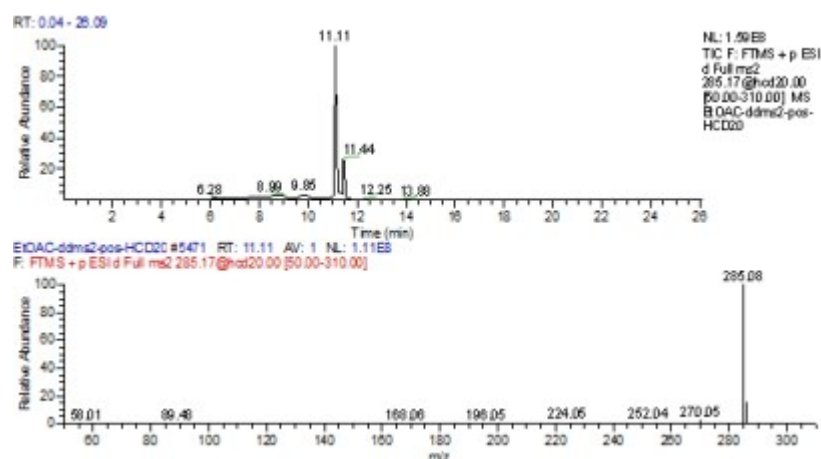




(1)



(2)

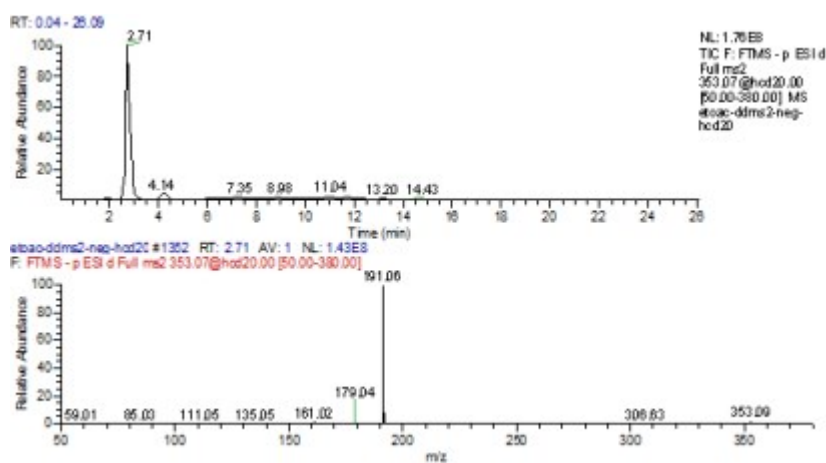


(3)

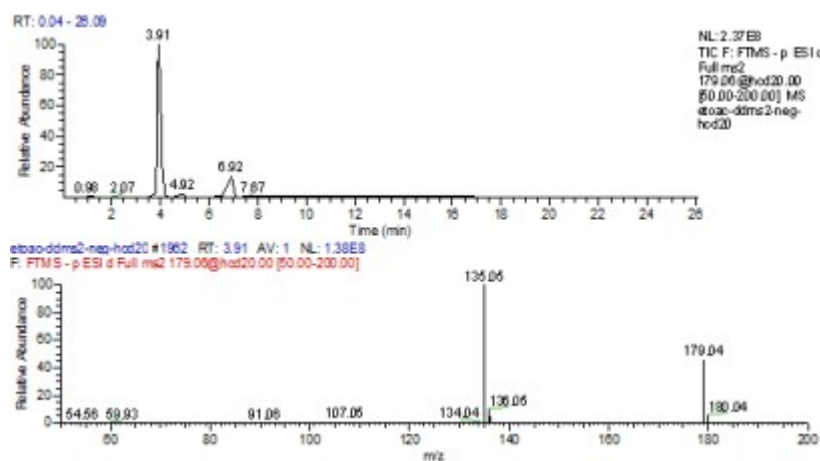
1. Chromatographic information and Fragment spectrum of compounds in positive mode

(1) Murrayin (2) tetrahydroxy-methoxy-prenylflavanone

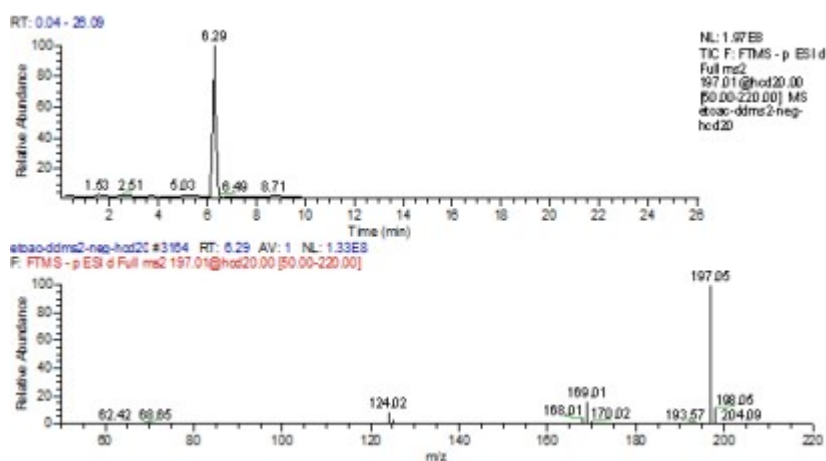
(3) 2,6-dihydroxy-1-methoxy-3-methyanthraquinone or 1,7-dihydroxy-6-methoxy-2-methyl-anthraquinone or 3-methoxy-5,7-dihydroxy flavono



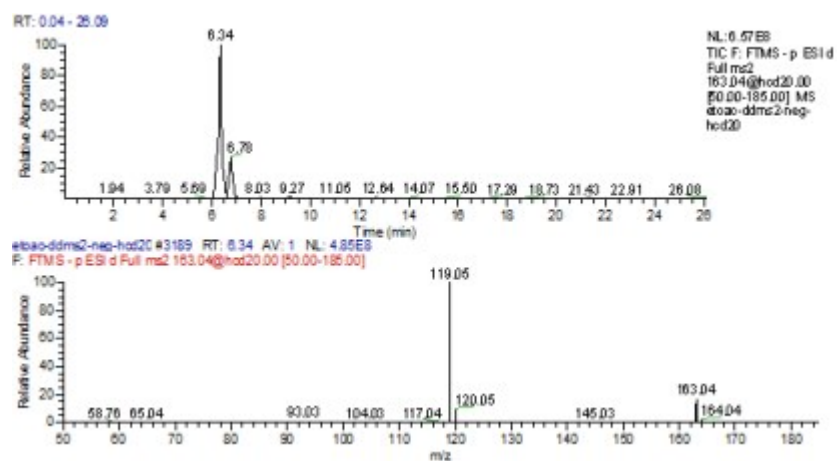
(4)



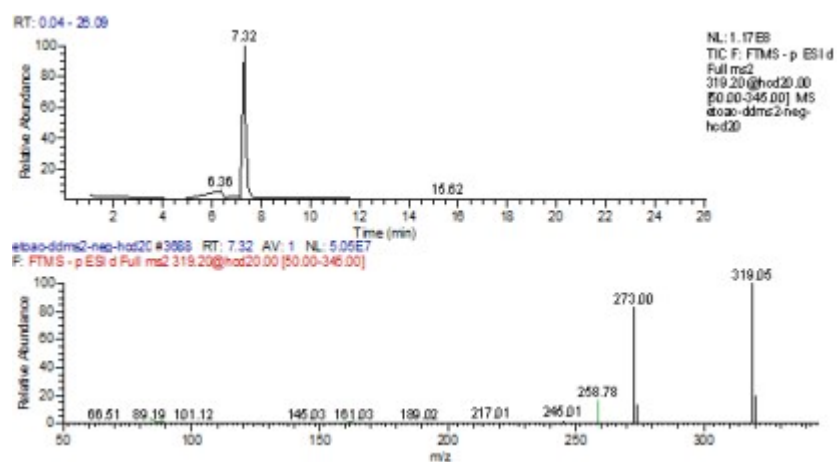
(5)



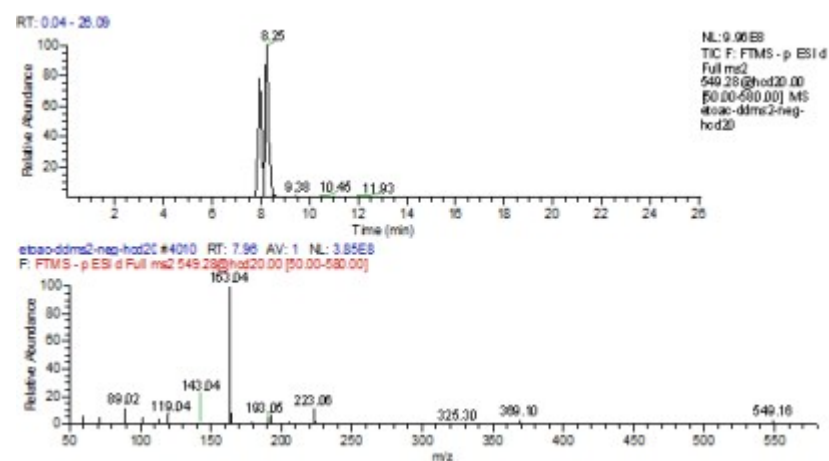
(6)



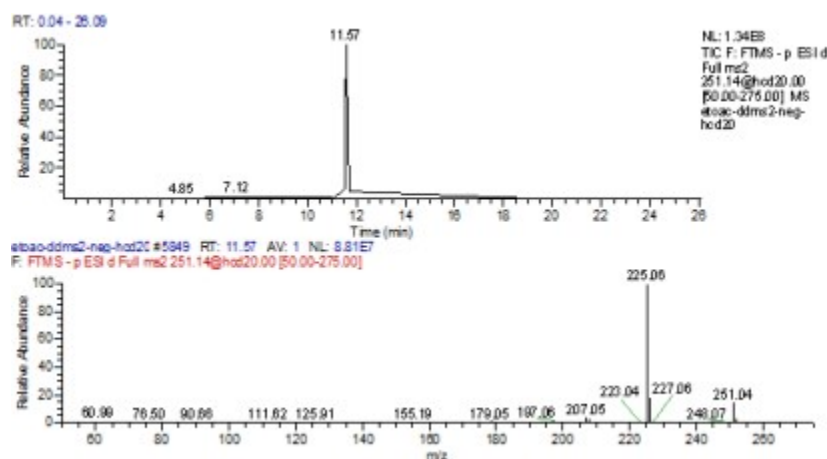
(7)



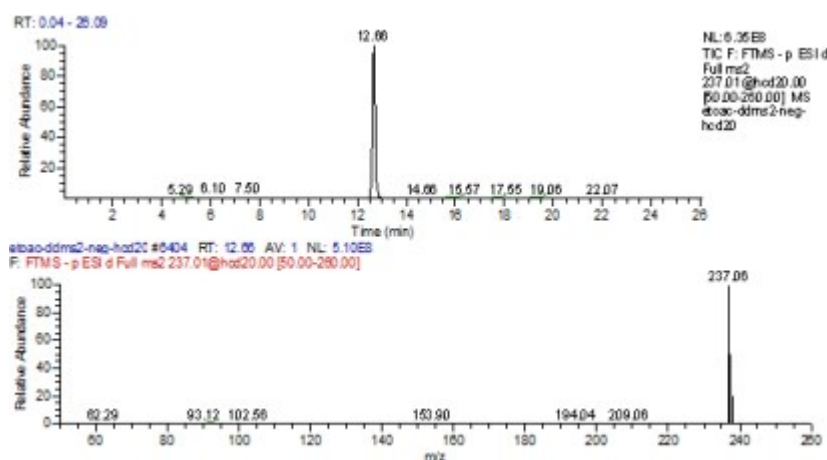
(8)



(9)



(10)



(11)

2. Chromatographic information and Fragment spectrum of compounds in negative mode

(4) chlorogenic acid (5) caffeic acid (6) 4-hydroxy-3,5-dimethoxybenzoicacid

(7) *p*-coumaric acid (8) hexahydroxyflavanone (9) *E(Z)*-6-*O-p*-coumaroyl scandoside methyl ethe (10) 1-formyl-4-hydroxyanthraquinone

(11) 2-hydroxyl-3-methylanthraquinone or 2-methyl-6-hydroxylantraquinone

3. List of the characterization of 4 chemical compounds extract gained from the EtOAC of *Hedyotis diffusa* by ¹H-NMR and ¹³C-NMR

Comp	2-hydroxy-3-	<i>p</i> -coumaricacid	vanillic acid	<i>E</i> -6- <i>O-p</i> -
d.	methylanthraquinon			coumaroylscandosidemeth
e				ylester

Molecular formula	C ₁₅ H ₁₀ O ₃	C ₉ H ₈ O ₃	C ₈ H ₈ O ₄	C ₂₆ H ₃₀ O ₁₃
Mp (°C)	233-234	209-211	209-212	140-142
ESI-MS	237.3 (m/z)	163 (m/z)	167 (m/z) [M-H] ⁻	549 (m/z) [M-H] ⁻
¹ H-NMR	¹ H-NMR(TMS,CDCl ₃ , 400Hz),δ:8.28(2H,m,H-5,8),8.13(1H,s,H-1),7.77(2H,m,H-6,7),7.62(1H,s,H-4),2.41(3H,s,CH ₃)	¹ H-NMR(TMS,CDCl ₃ ,400Hz),δ:7.70(1H,d,J=15.62Hz,H-β),7.46(2H,d,J=8.59Hz,H-2,6),6.86(2H,d,J=8.49Hz,H-3,5),6.31(1H,d,J=15.86Hz,H-α);	¹ H-NMR(TMS,DMSO- <i>d</i> ₆ ,400Hz)δ:7.45(1H,d,J=9.32Hz,H-6),6.84(1H,d,J=8.42Hz,H-5),7.43(1H,s,H-2),3.81(3H,s,-OCH ₃)	¹ HNMR(TMS,DMSO- <i>d</i> ₆ ,400Hz),δ:5.30(1H,d,J=5.67Hz,H-1),7.47(1H,s,H-3);3.22(1H,d,J=6.65Hz,H-5),5.55(1H,m,H-6);5.75(1H,m,H-7),4.04(2H,d,J=15.93Hz,H-10B);4.19(1H,d,J=15.91Hz,H-10A);2.99(1H,dd,J=7.90/8.48Hz,H-9),3.57(3H,s,H-12),7.58(1H,d,J=15.97Hz,H-α),6.38(1H,d,J=15.98Hz,H-β);4.51(1H,d,J=7.78Hz,H-1') ; 3.68(1H,d,J=16.65Hz,H-6' A),3.43(2H,m,H-6' B);7.56(2H,d,J=8.72Hz,H-2''),6.80(2H,d,J=8.58Hz,H-3''),6.76(2H,d,J=8.70Hz,H-5''),7.56(2H,d,J=8.72Hz,H-6'')。
¹³ C-NMR	-	-	-	¹³ C-NMR(DMSO- <i>d</i> ₆)δ:95.73(C-1),152.85(C-3,),108.65(C-4),40.71(C-

5),81.94(C-6),125.25(C-7),150.46(C-8),46.05(C-9),59.45(C-10),167.02(C-11),51.64(C-12),145.19(C- α),114.82(C- β),166.61(CO),98.94(C-1'),73.70(C-2'),77.79(C-3'),70.48(C-4'),77.06(C-5'),61.54(C-6'),125.61(C-1''),130.80(C-2''),116.25(C-3''),160.31(C-4''),116.25(C-5'') and 130.80(C-6'')
