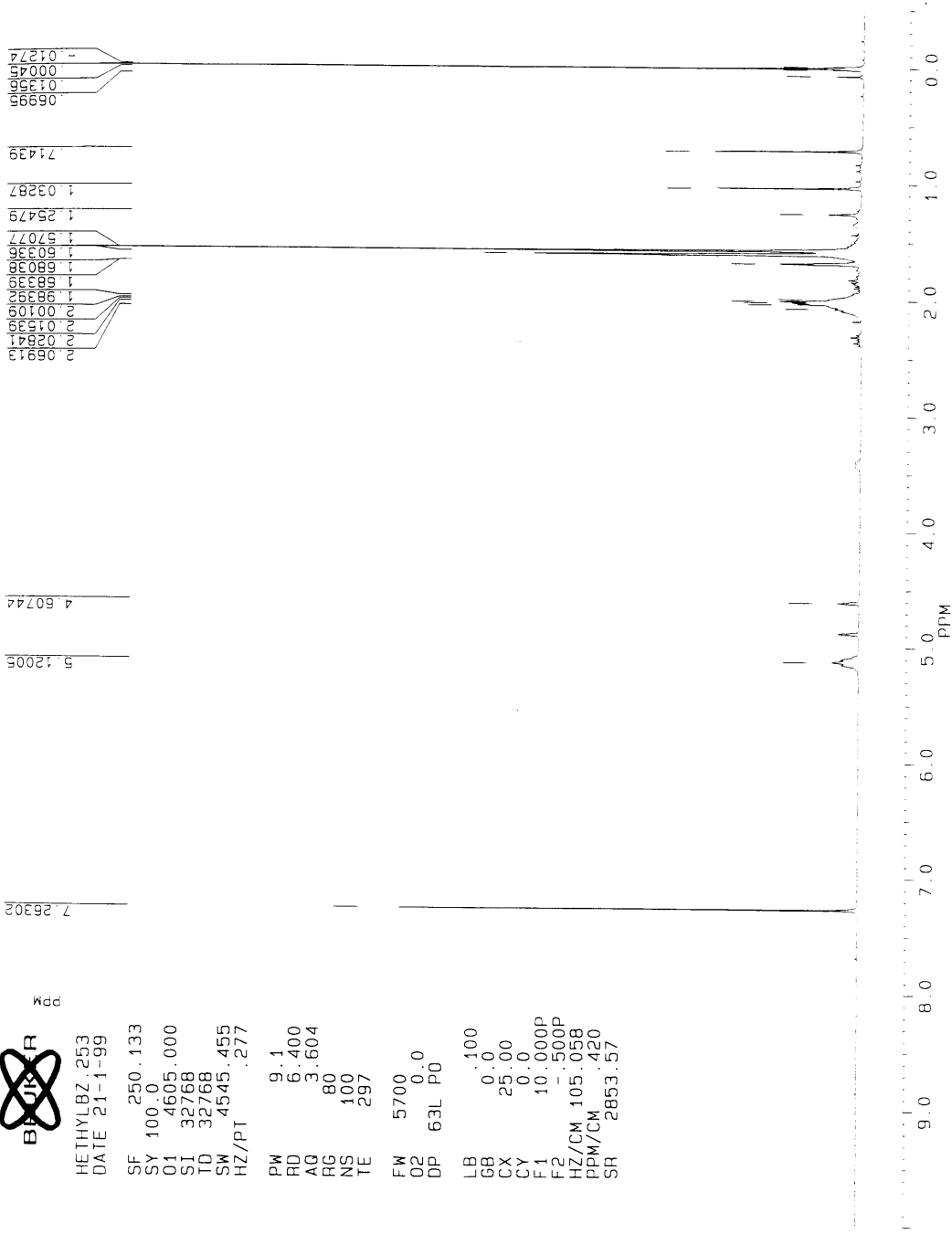




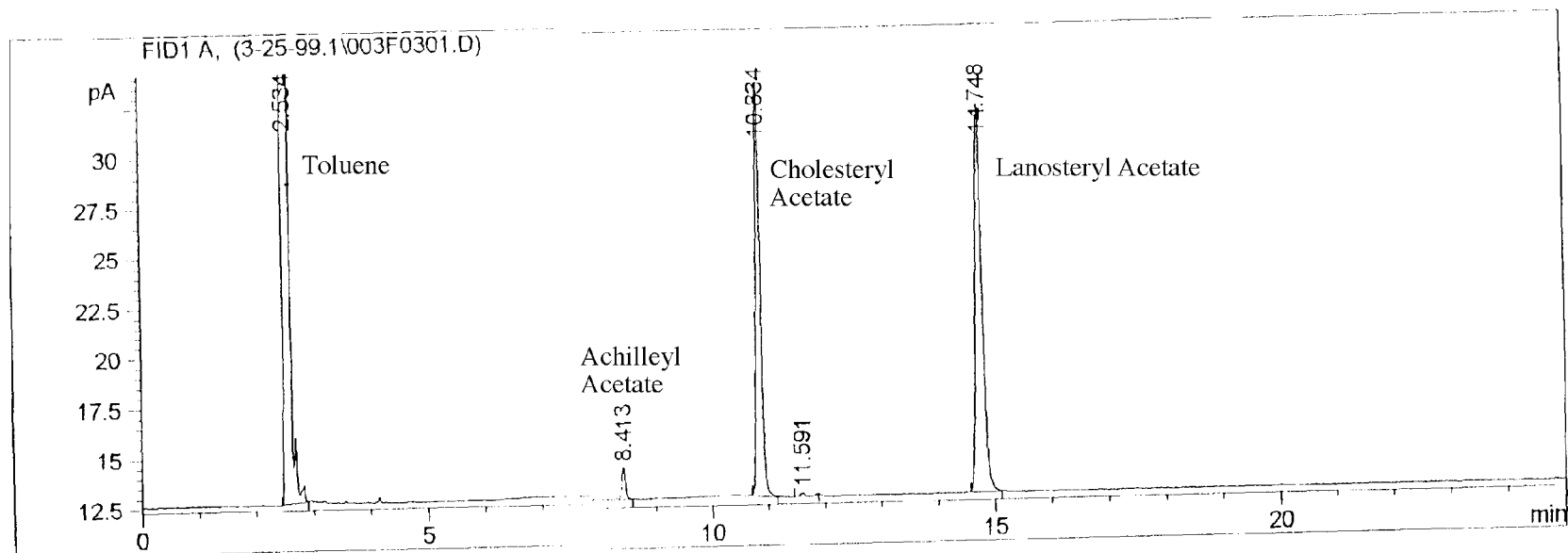
ppm

HETHYLBZ.253
 DATE 21-1-99
 SF 250.133
 SY 100.0
 O1 4605.000
 SI 32768
 TD 32768
 SW 4545.455
 HZ/PT .277
 PW 9.1
 RD 6.400
 AG 3.604
 RG 80
 NS 100
 TE 297
 FW 5700
 O2 0.0
 DP 63L P0
 LB .100
 GB 0.0
 CX 25.00
 CY 0.0
 F1 10.000P
 F2 .500P
 HZ/CM 105.058
 PPM/CM .420
 SR 2853.57



¹H-NMR spectrum of HPLC separated Achilleol A (Val454A mutant)

Triterpenyl acetates: Rxt-5, 30m x 0.25mm ID, 0.10um df, Serial#117040
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GC spectrum of Val454A triterpenyl acetates (Cholesteryl Acetate as internal standard; toluene as solvent)