**SUPPLEMENTARY MATERIAL FOR**

Facile Access to Solifenacin Impurity K: One-Step Synthesis and an HPLC-MS method for its determination

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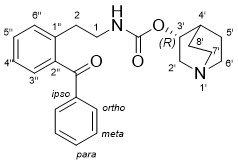
**Figure S1**: 1H, 13C, DEPT, HSQC, COSY, IR GC/MS (EI),

and UV spectrum of Impurity K Page S3

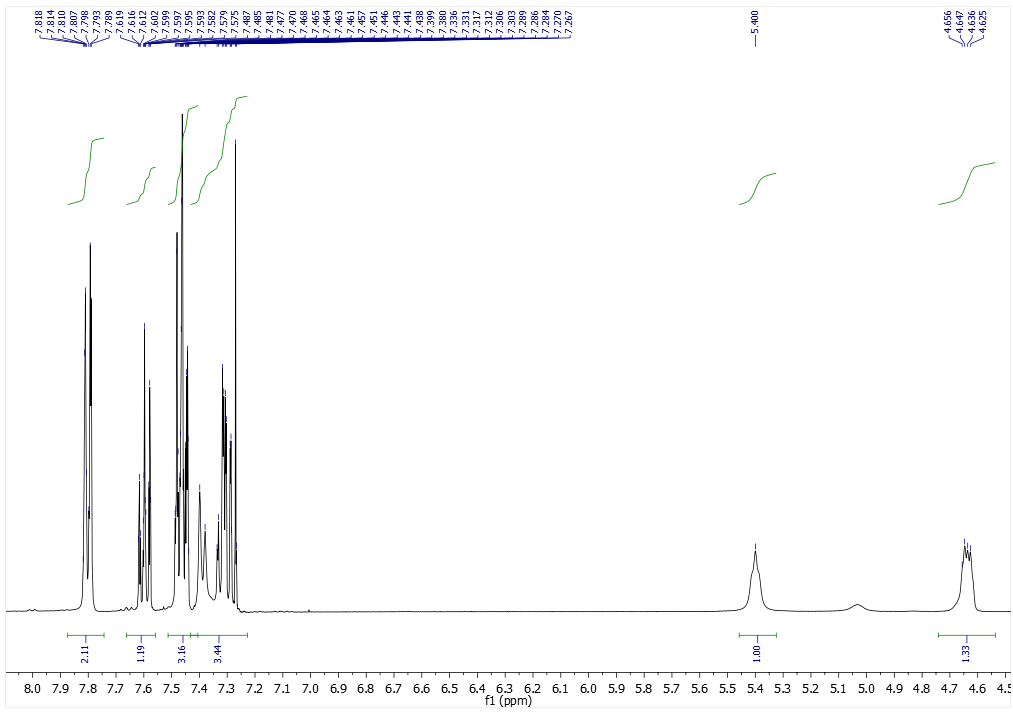
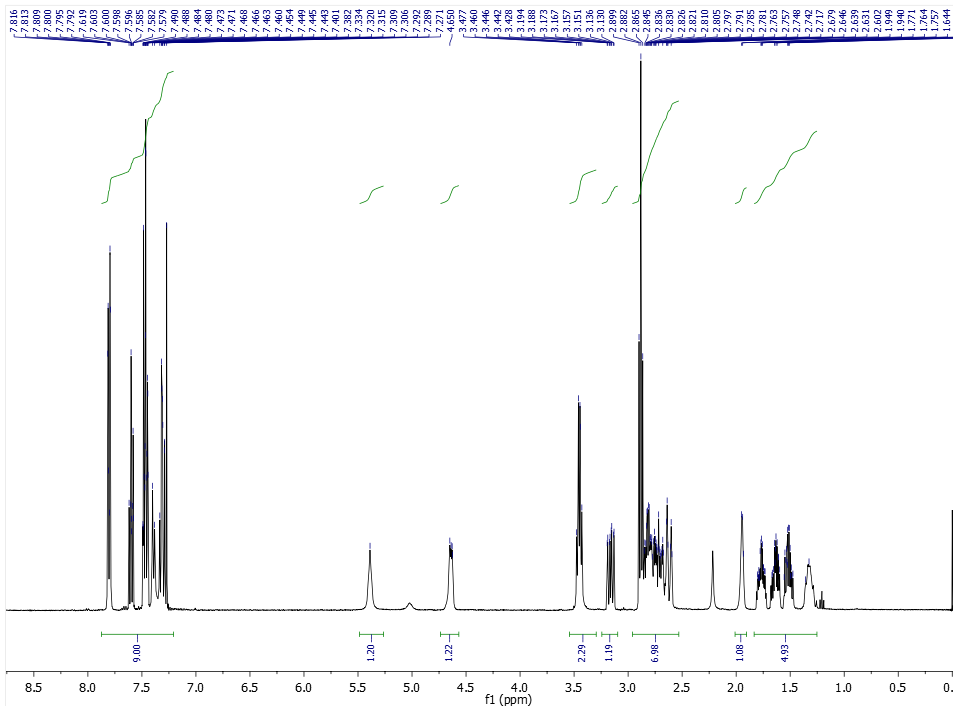
**Figure S2:** HPLC/MS-MS of Solifenacin succinate tables Page S13

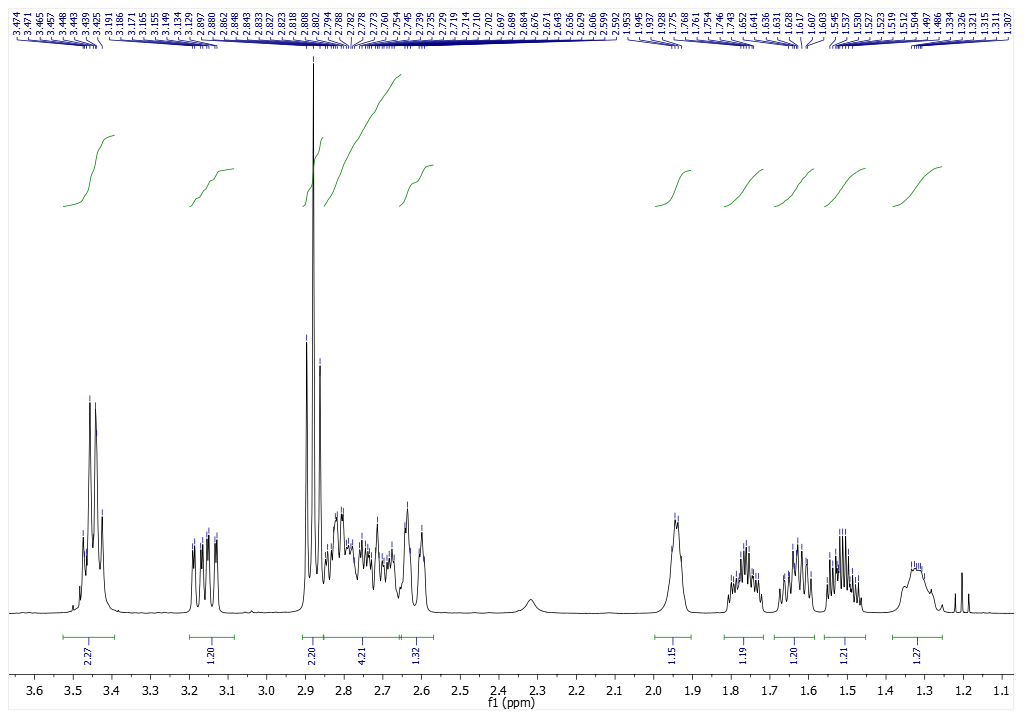
**Figure S3**: HPLC/MS-MS of Impurity I Page S15

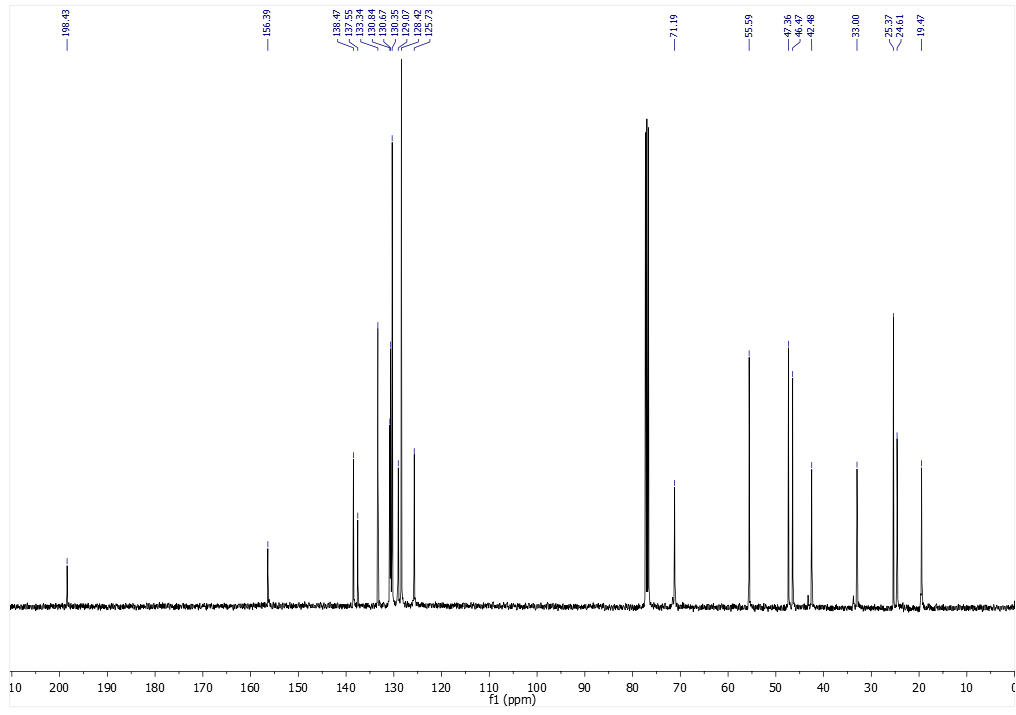
**Figure S4:** HPLC/MS-MS of Impurity K Page S17

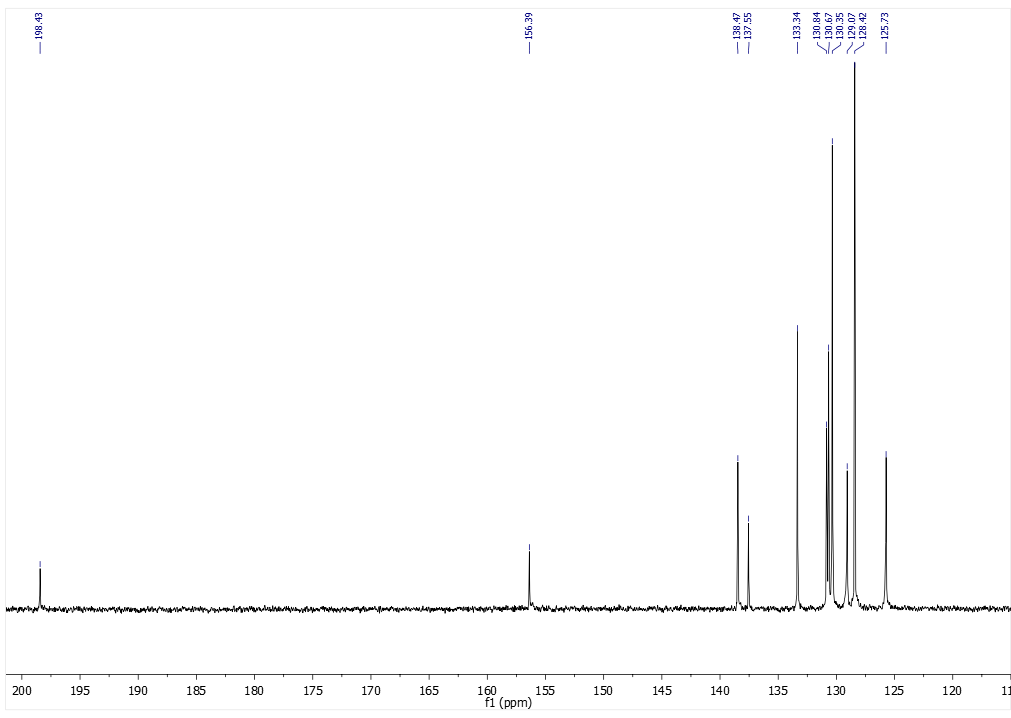
**1H, 13C, DEPT, HSQC, COSY, IR, GC/MS (EI) and UV spectrum of Impurity K**

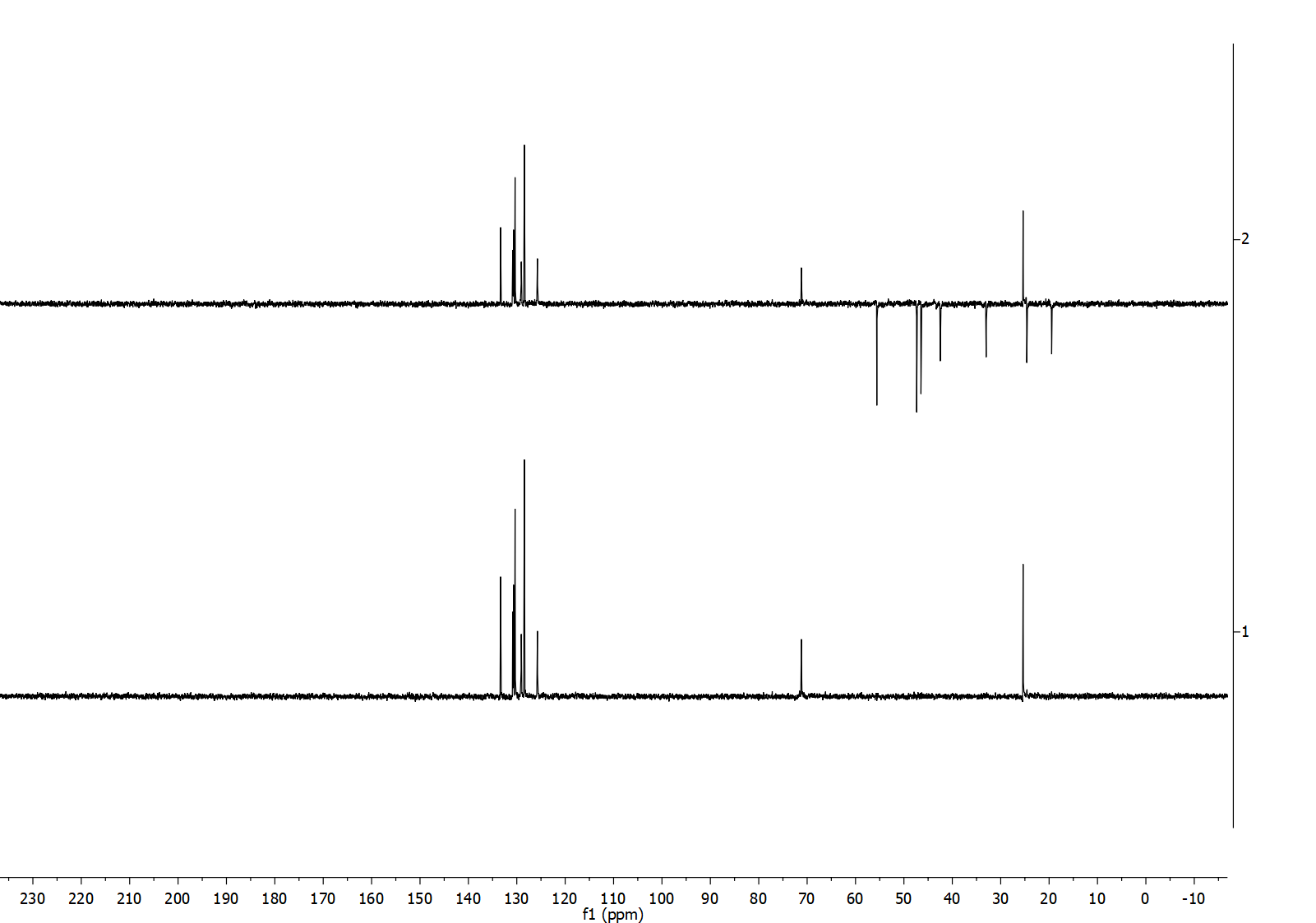
1H (400 MHz, CDCl3)

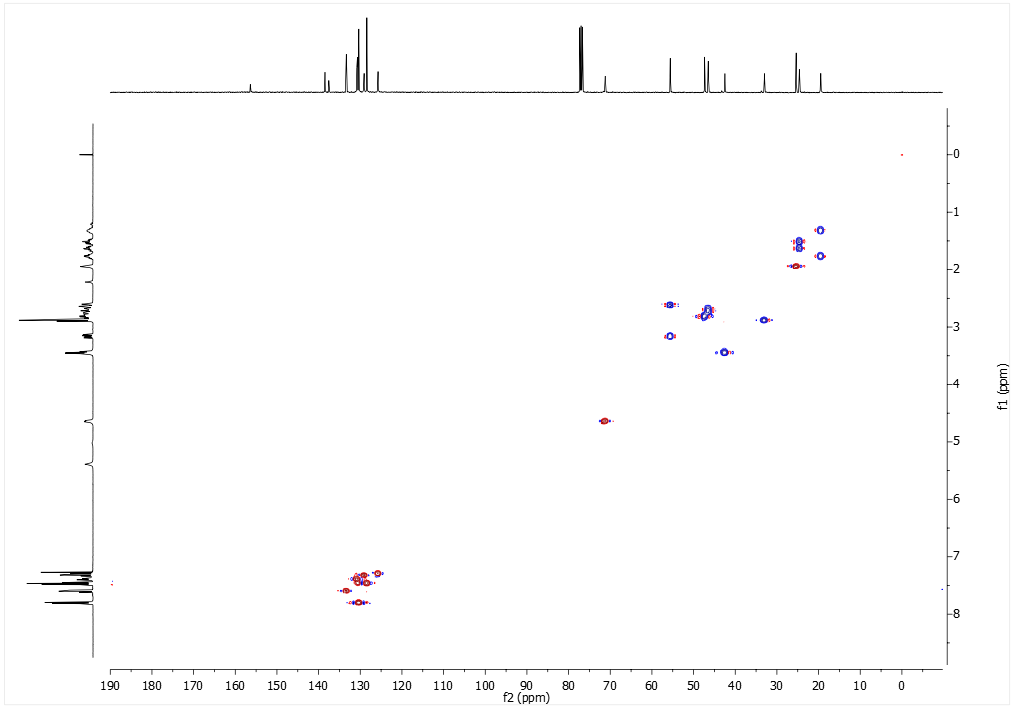


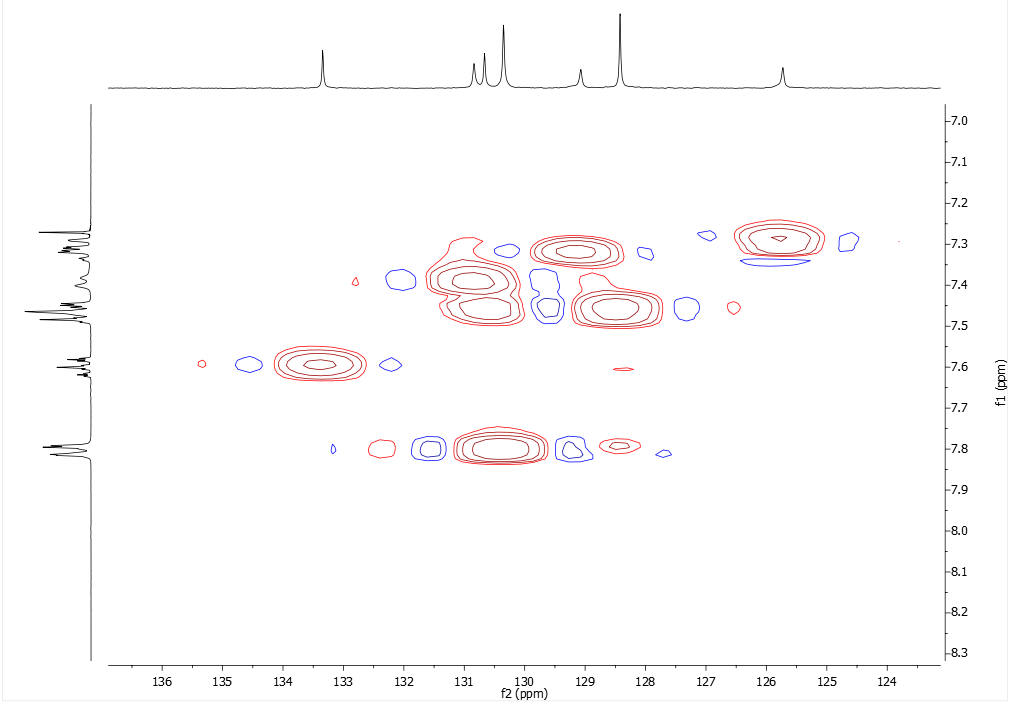


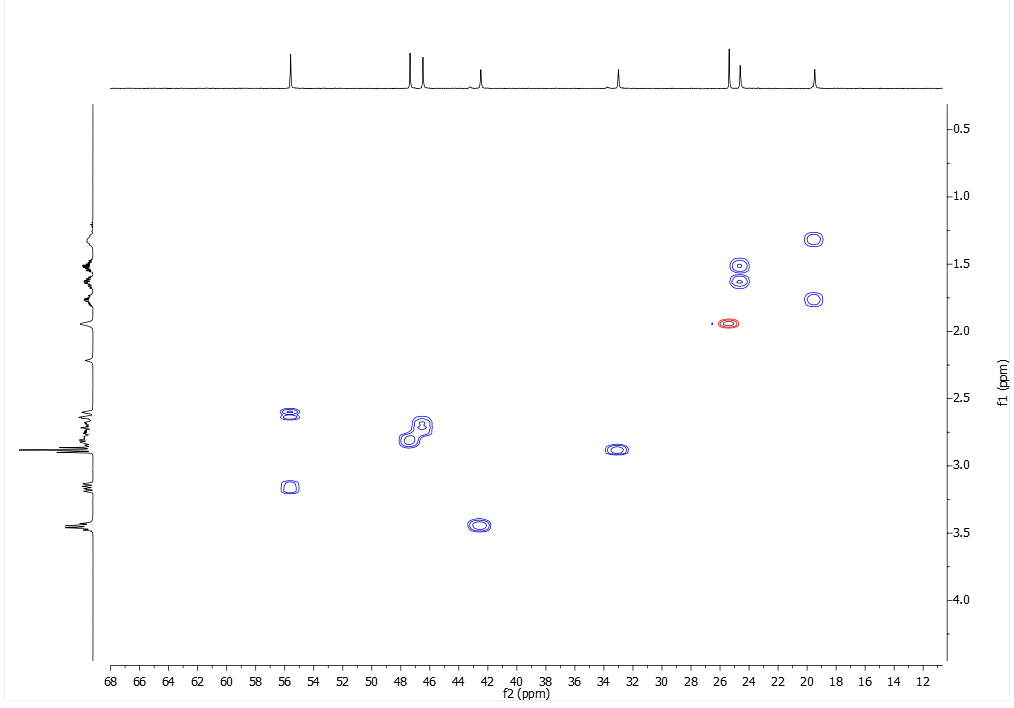
13C (100.16 MHz, CDCl3)



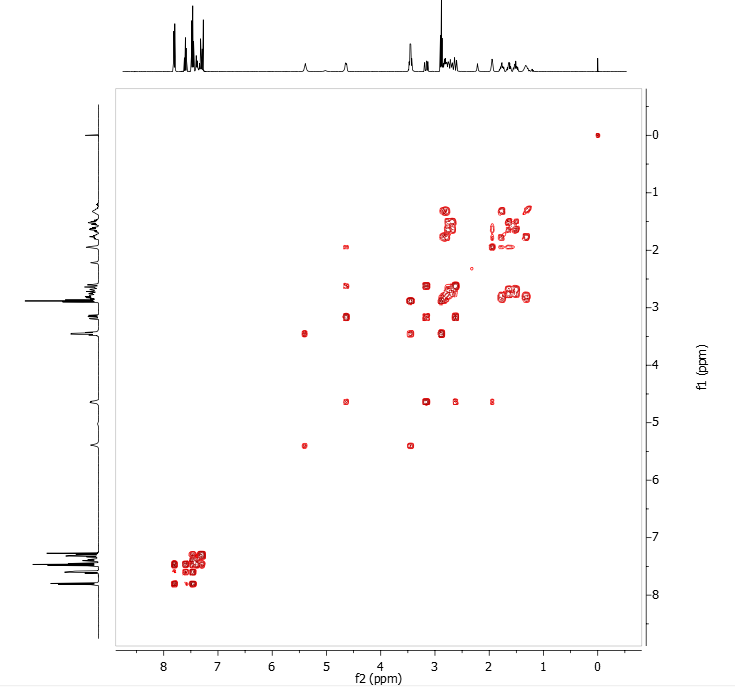
DEPT (400 MHz, CDCl3)

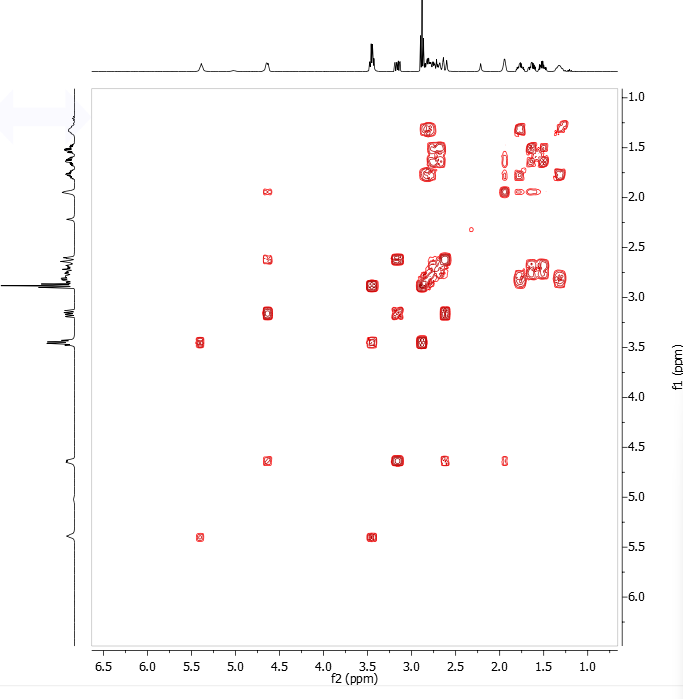
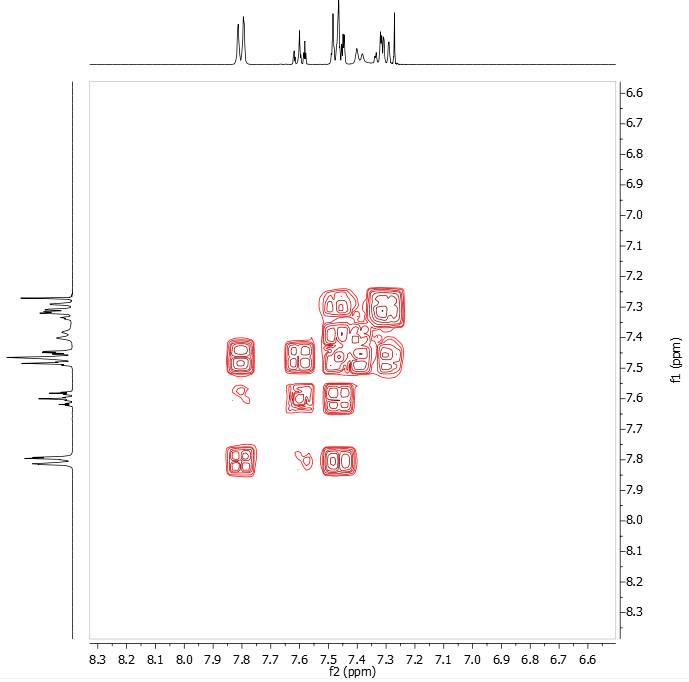
HSQC (400 MHz, CDCl3)



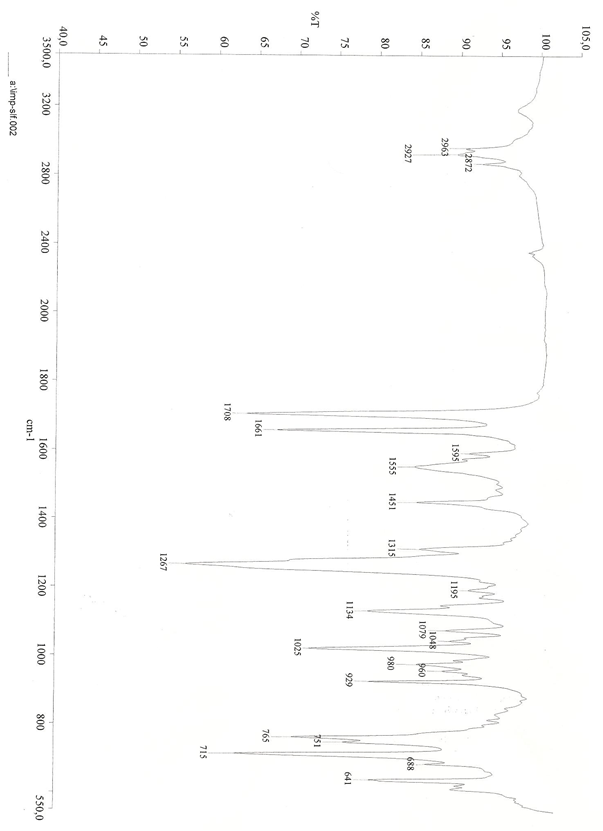


COSY (400 MHz, CDCl3)

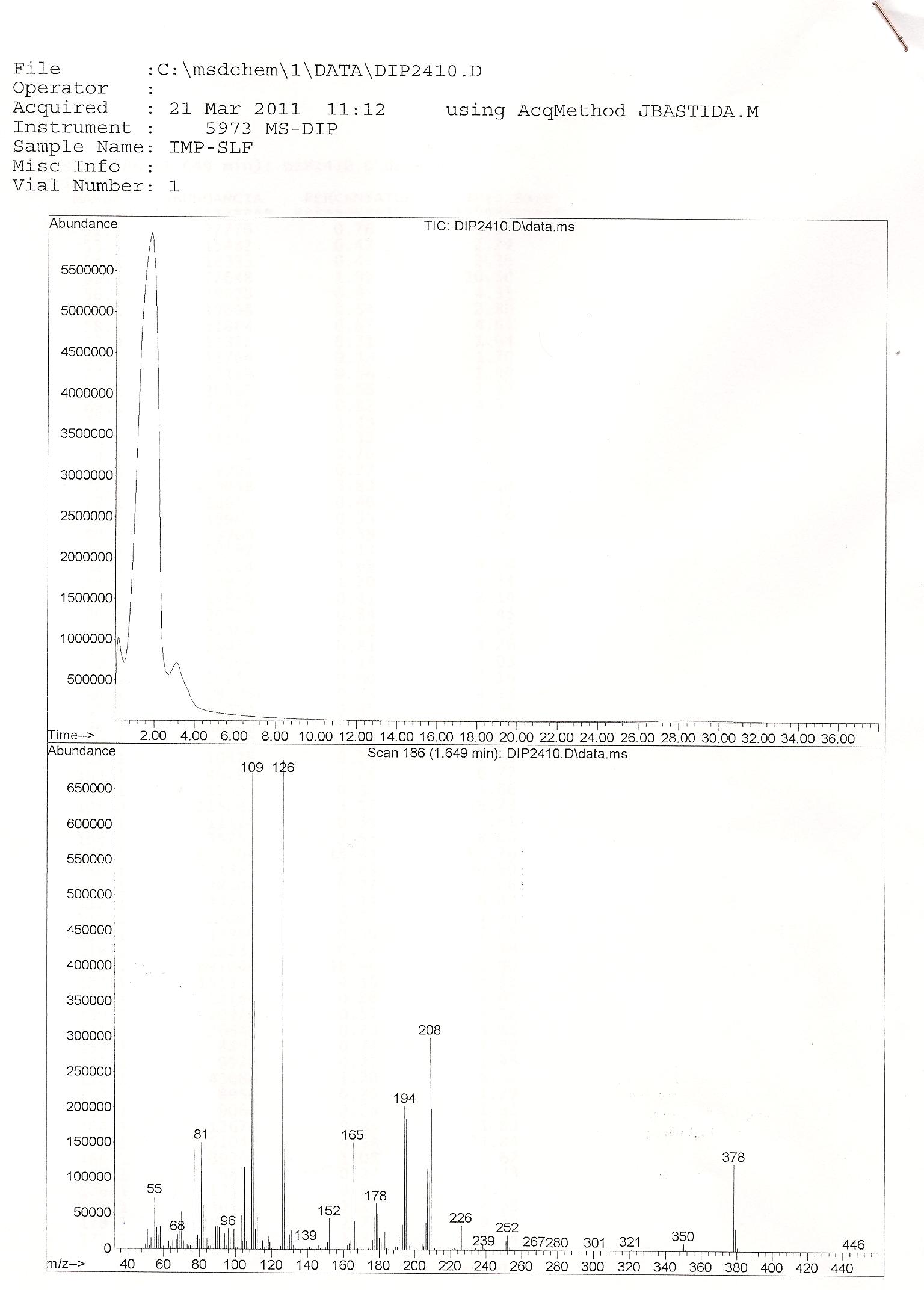


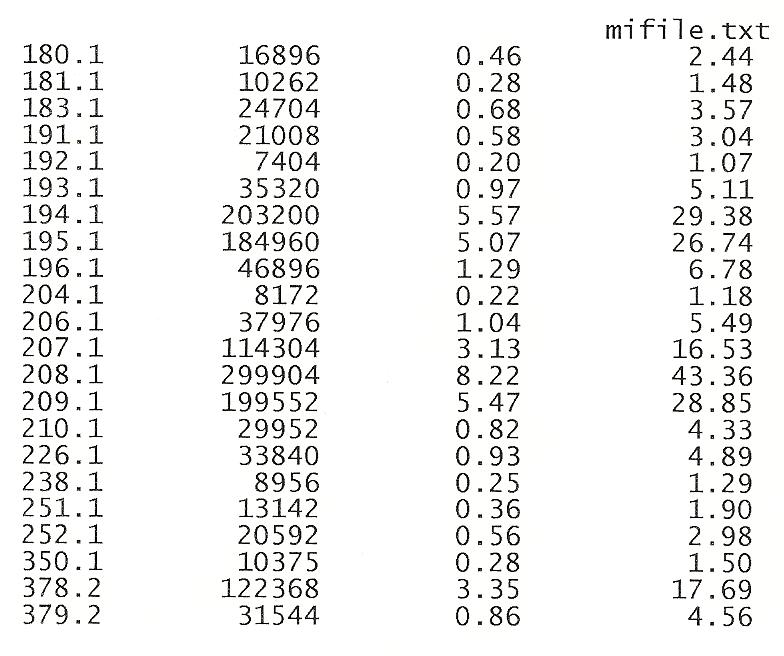
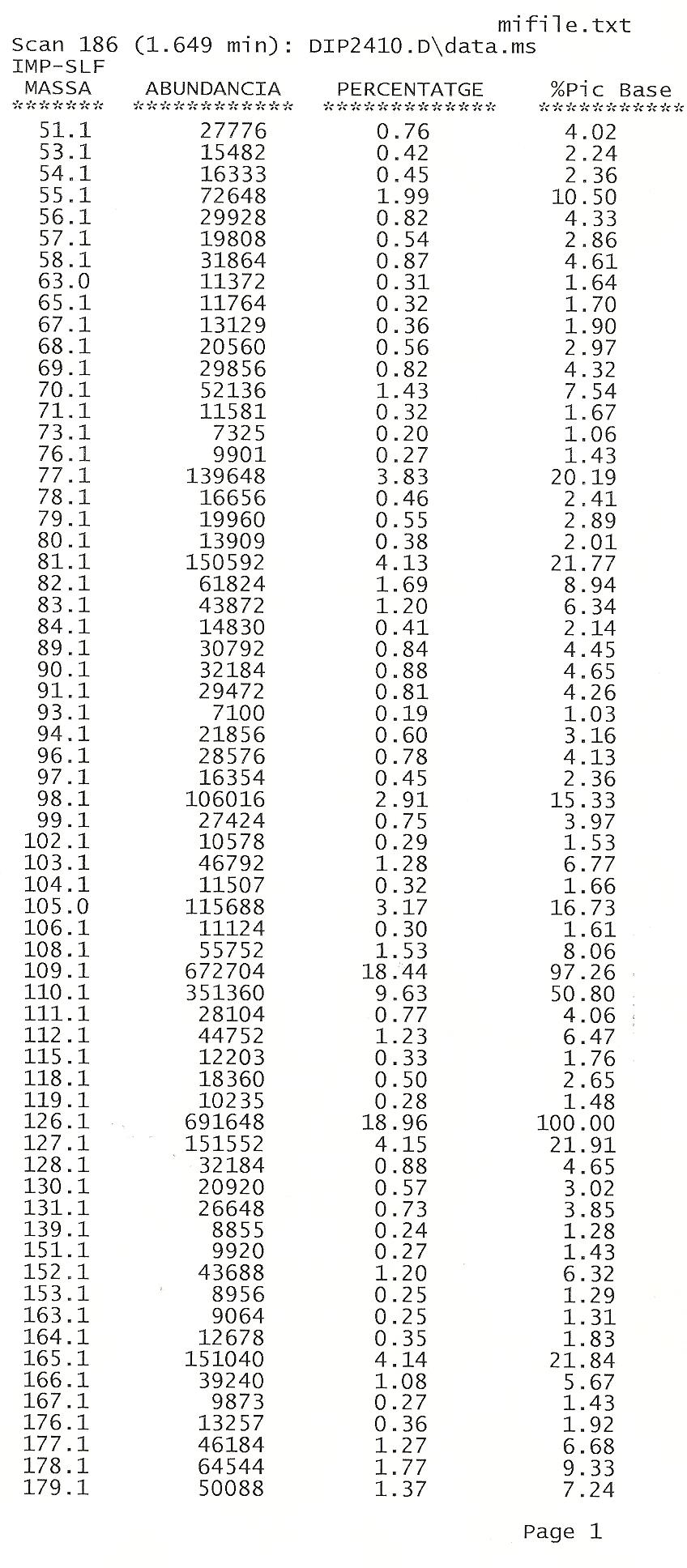


IR (KBr) spectrum of Impurity K

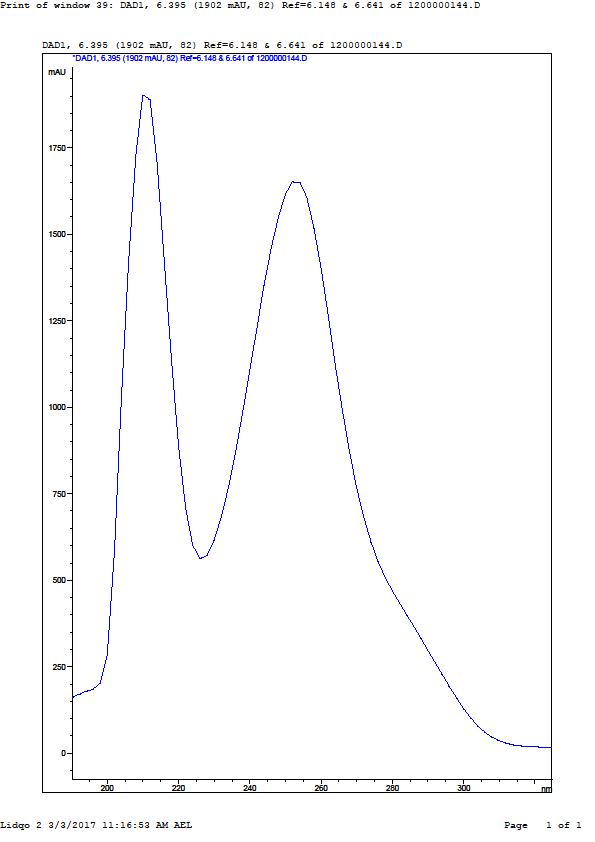


GC/MS (EI) of Impurity K

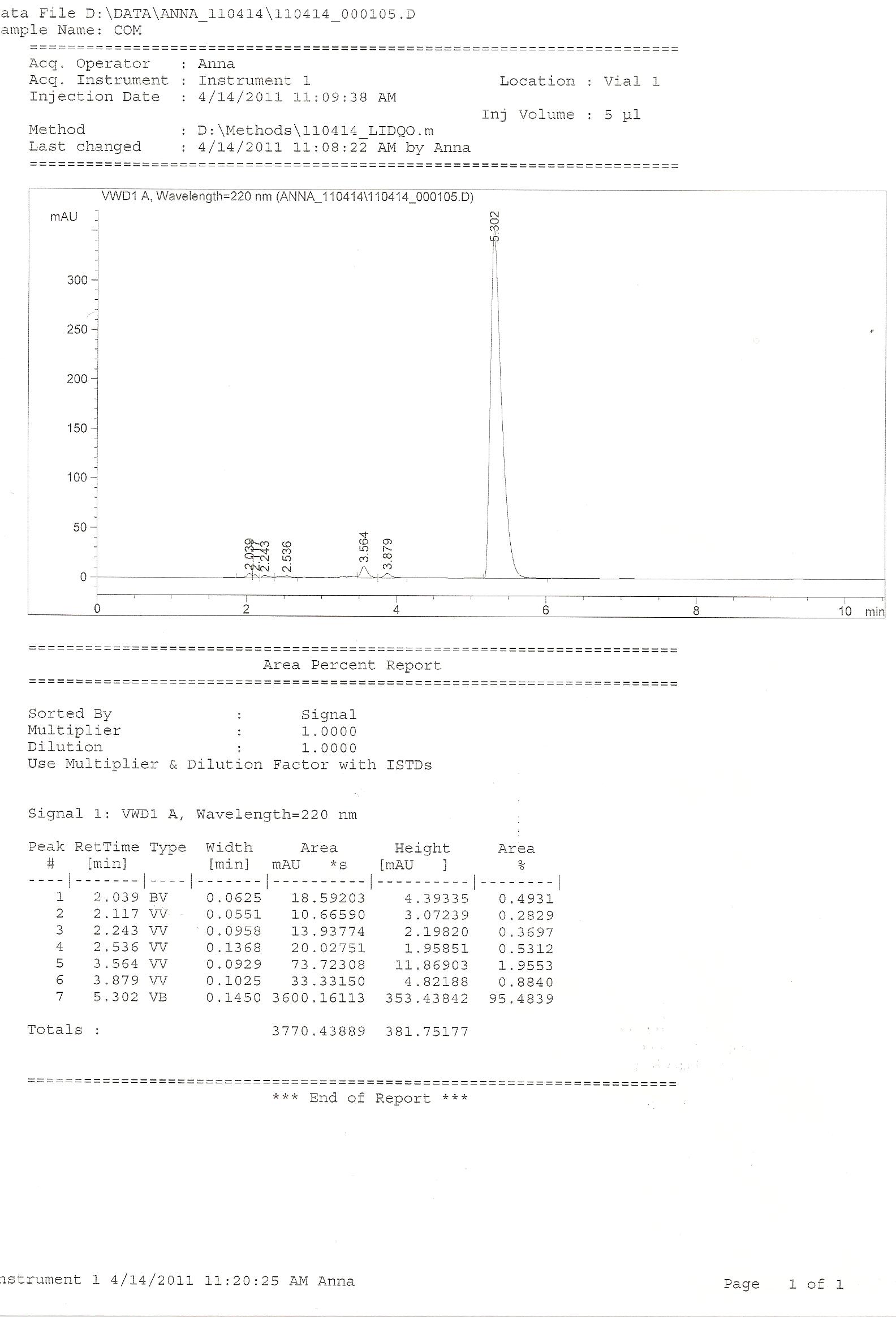
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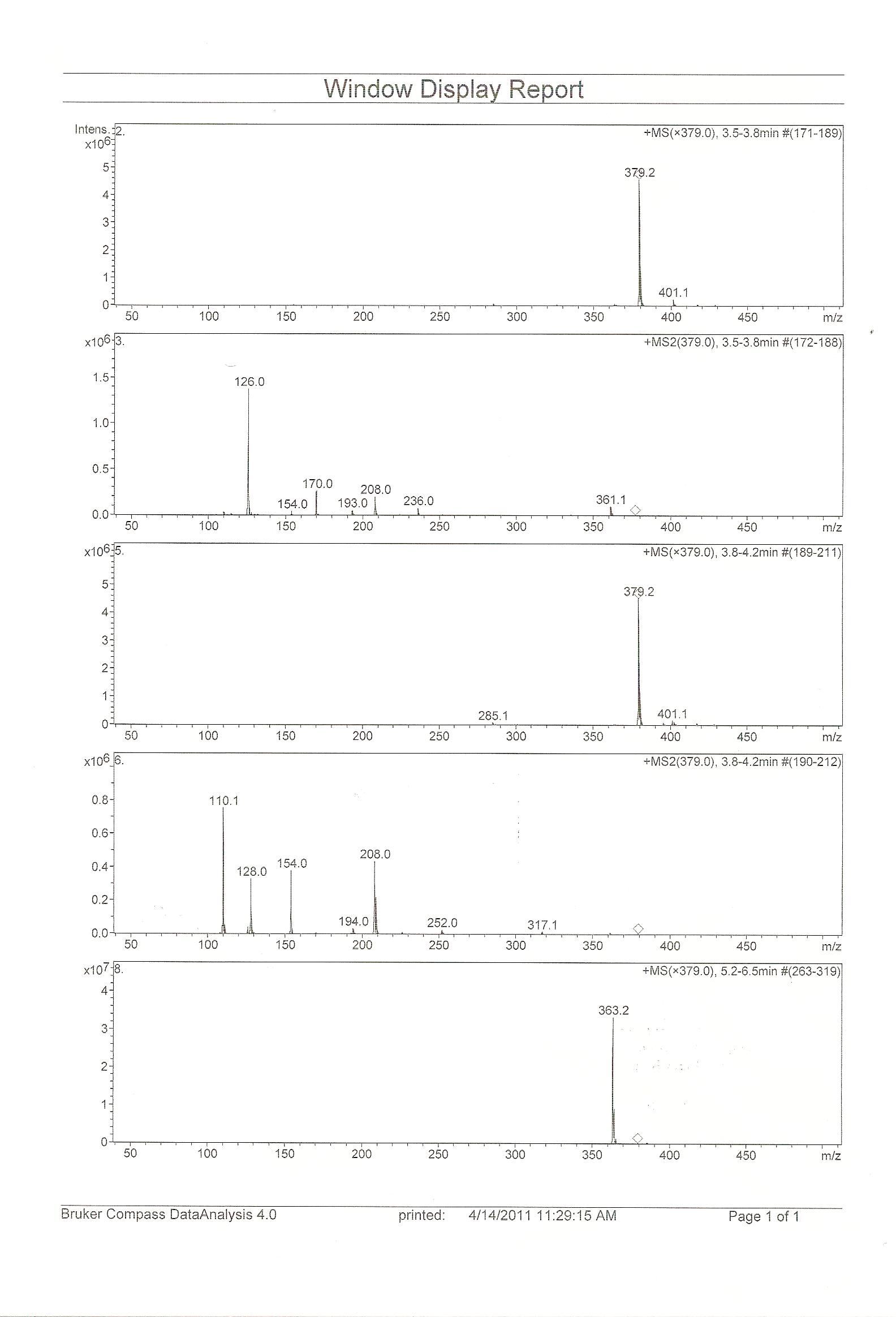
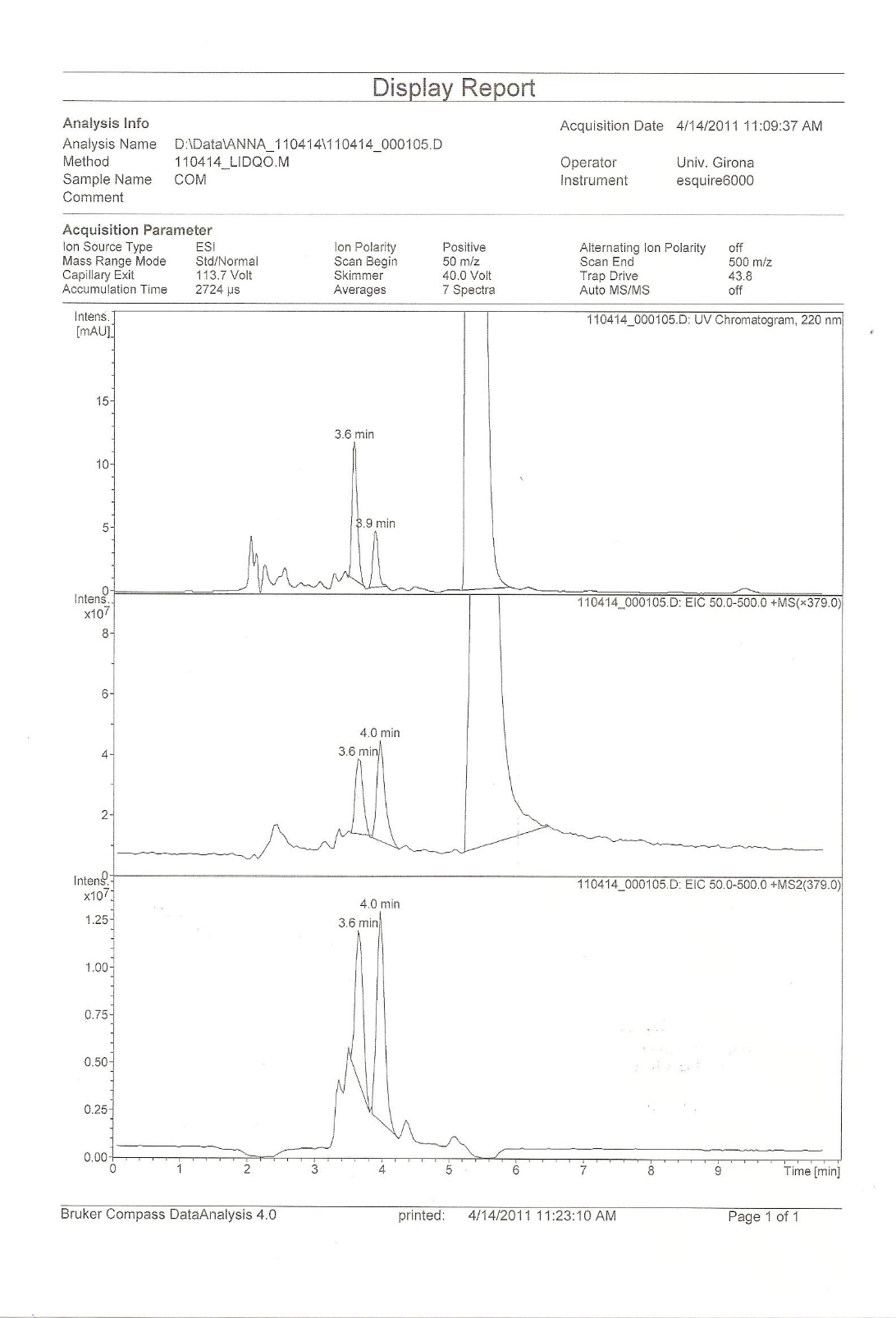


UV of Impurity K:

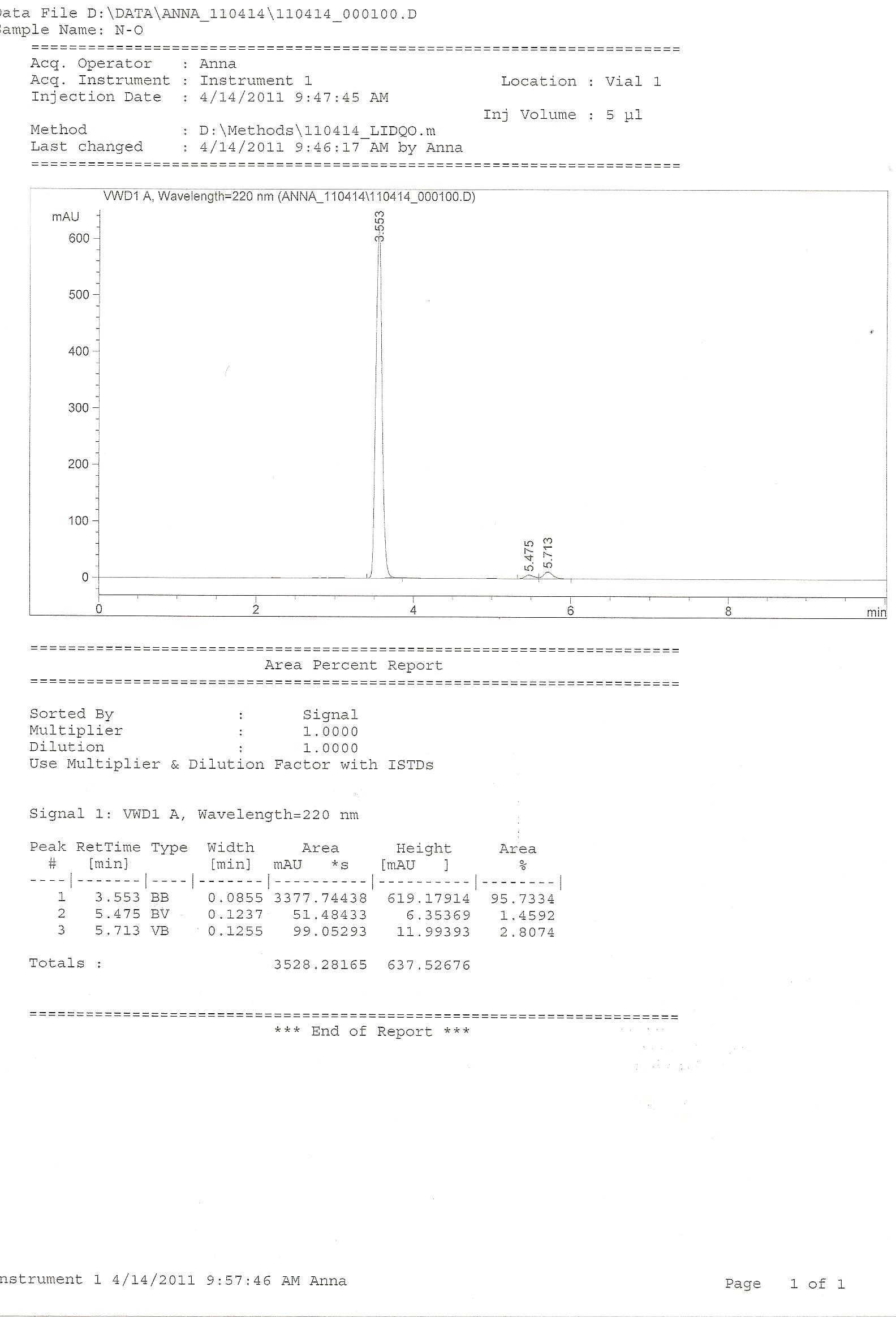


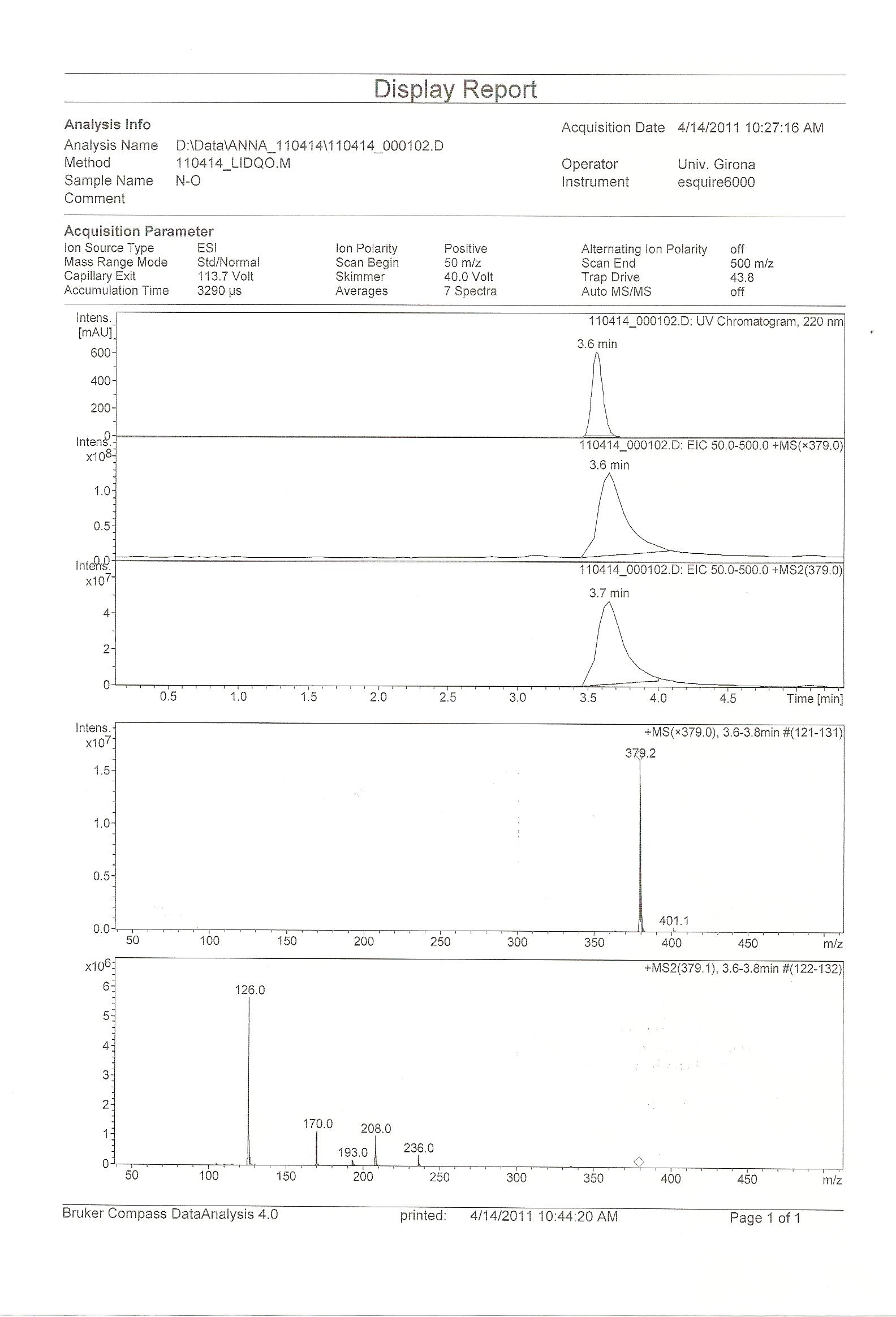
**HPLC/MS-MS of Solifenacin succinate tablets**





**HPLC/MS-MS of Impurity I**





**HPLC/MS-MS of Impurity K**

