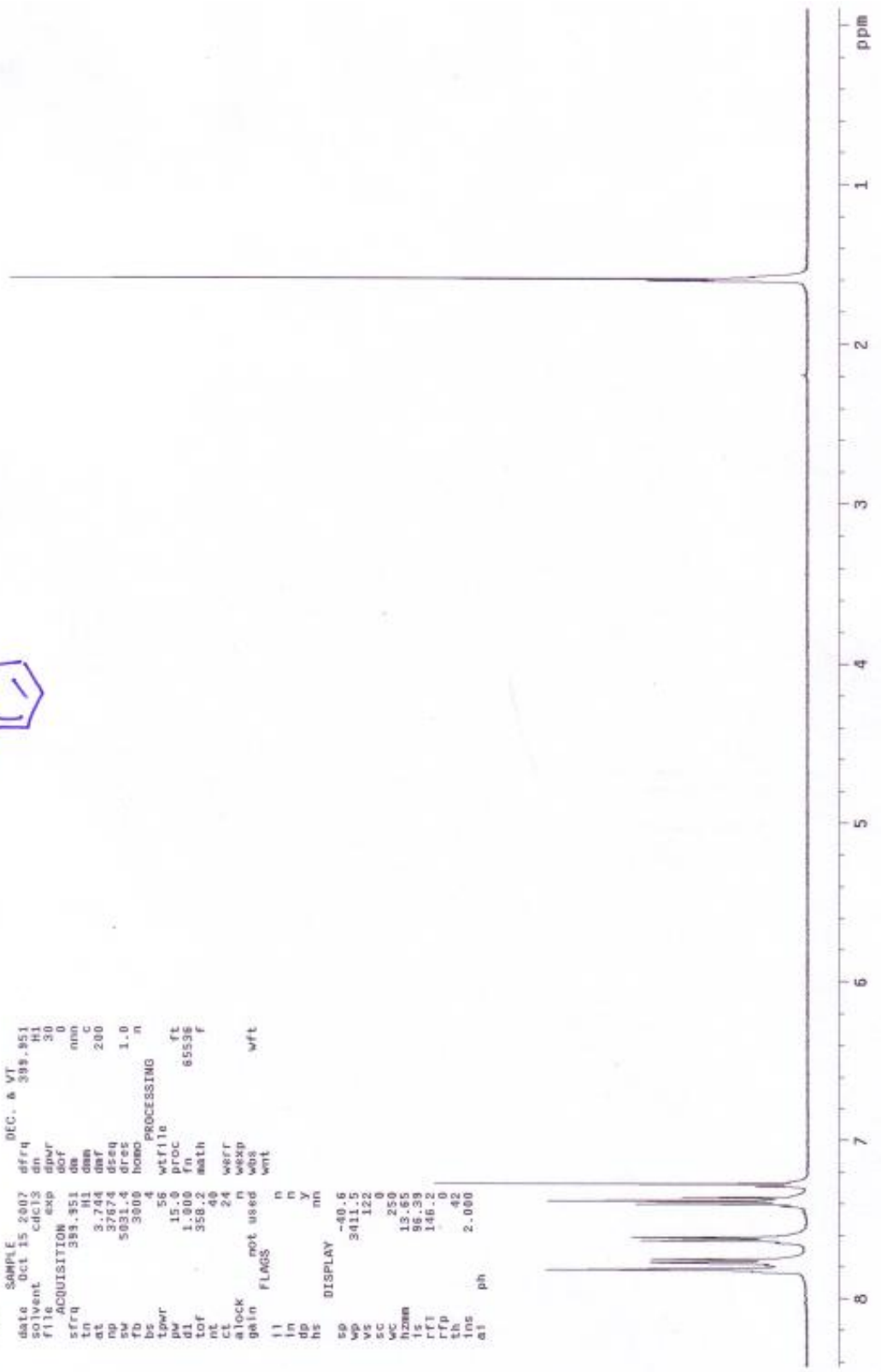
Espectro  $^1\text{H}$  NMR 1. Bromoanisol.

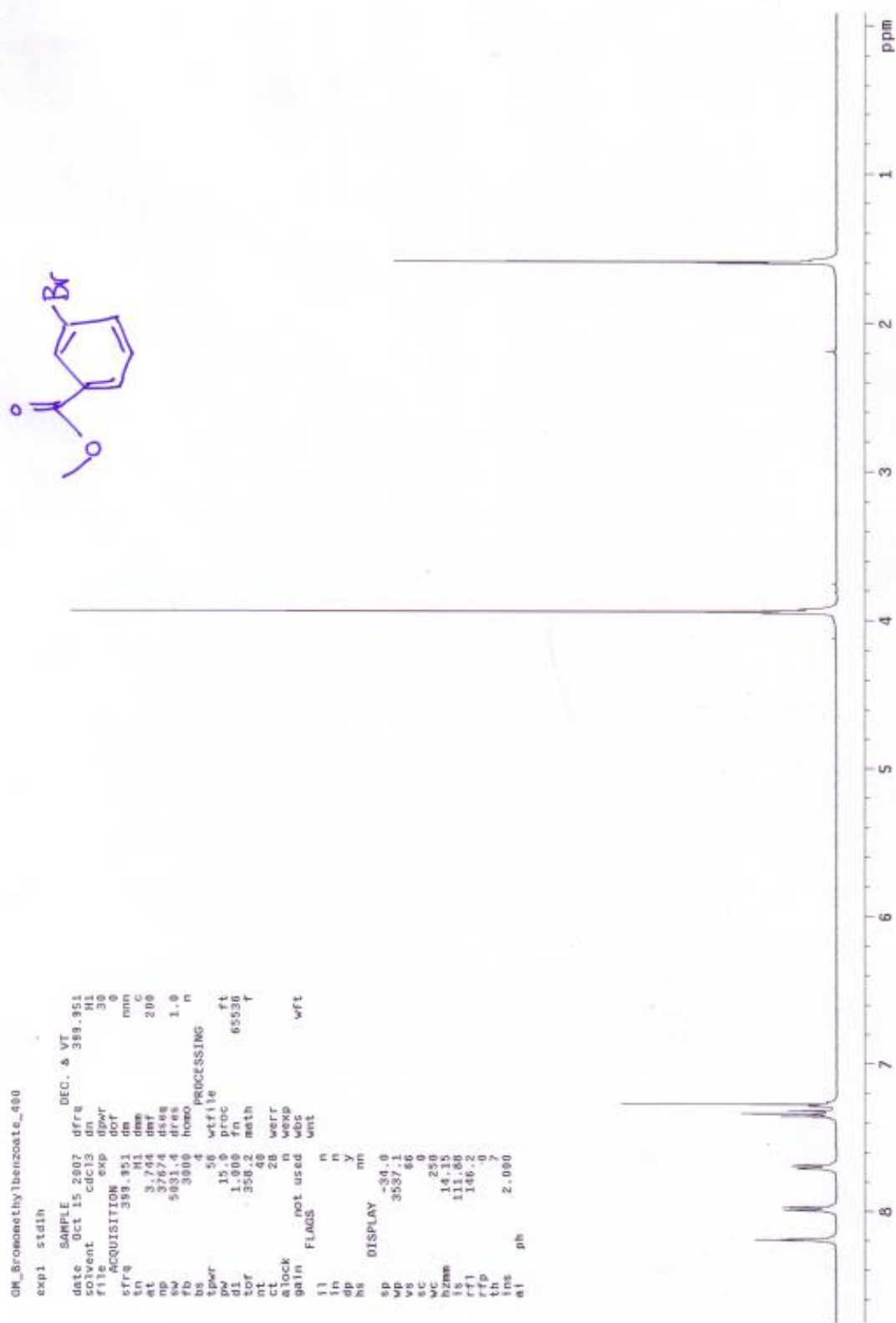


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GM_Bromobenzonitrile_400
exp1 stdih
SAMPLE DEC. & VT
date Oct 15 2007 dfrq 399.851
solvent cdc13 dn H1
file ACQUISITION exp dpr 30
sfrq 399.851 da min
tn 8.741 dan C
at 3.7674 daf 200
np 5331.4 dfrq 1.0
fb 3000 hexp
bs 4 hexp PROCESSING
tpr 56 wfile
pw 15.0 proc ft
d1 1.000 fn 65536
tof 358.2 math F
nt 40
ct 24 werr
alock n
gain not used wex
flags n
l1 n
in n
op y
ns DISPLAY mn
sp -80.6
wp 3411.5
vs 122
sc 0
wc 250
hzmm 13.65
ls 96.39
fft 146.2
rff 0
th 42
ms 2.000
d1 ph
  
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Espectro <sup>1</sup>H NMR 2. 3-Bromobenzonitrilo.

Espectro  $^1\text{H}$  NMR 3. Metil 3-Bromobenzoato.



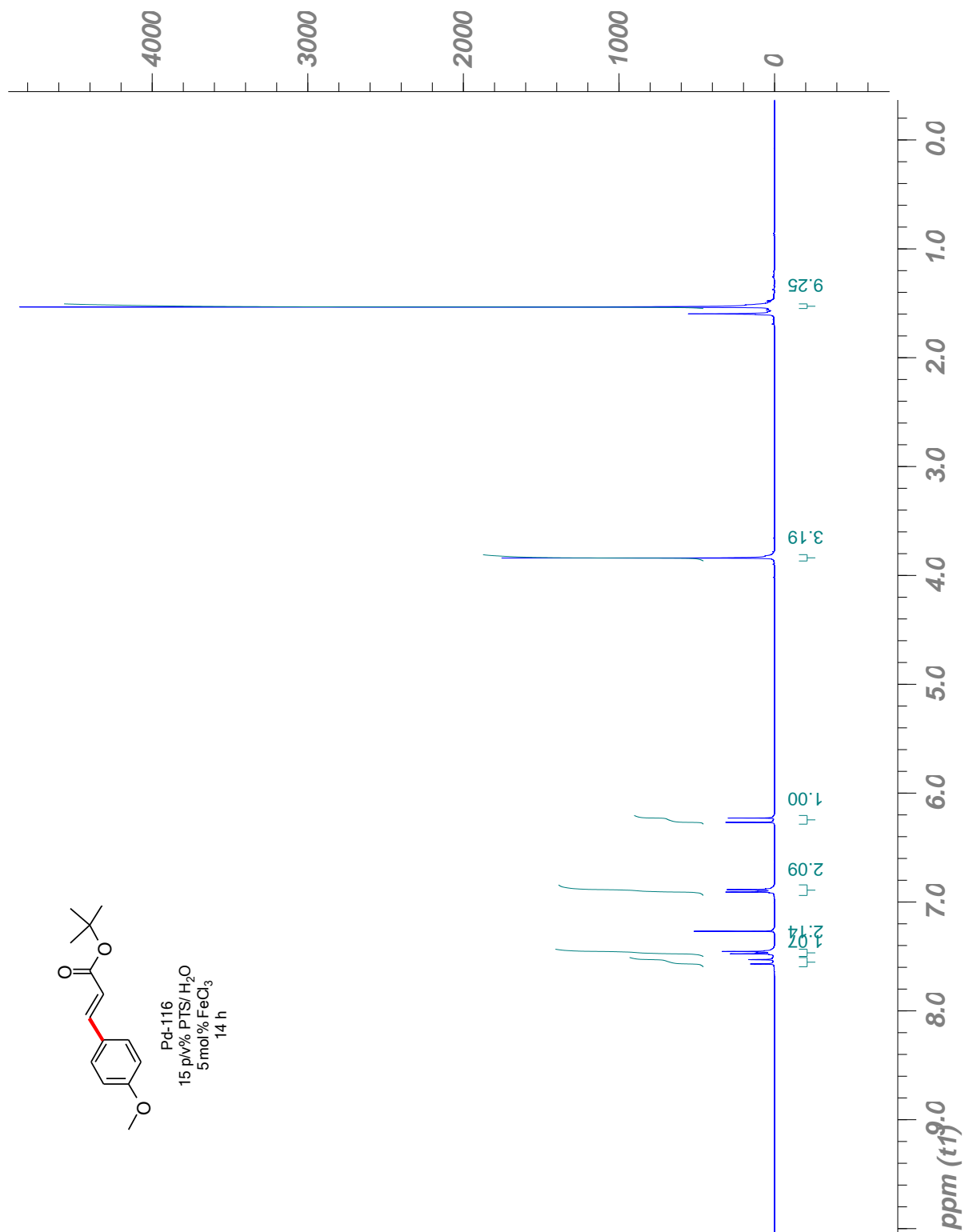
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SAMPLE DEC. & VT
date Oct 15 2007 dfrq 398.951
solvent cdcl3 dn HI
f13e cdc13 dpr 30
ACQUISITION exp dot 0
sfreq 398.951 da mm
tn HI dae C
at 3.744 def 200
np 37674 dsq
wv 50330 fcs 1.0
br 3000 homo
bs 0 PROCESSING
tpwr 56 wfln
pw 15.0 proc ft
d1 1.000 fn 85538
tor 358.2 math f
nt 40
ct 32 werr
alock n wexp
gain not used wbs
flags n wtl
ll n
ln n
sp y
bp n
hs nm
DISPLAY
sp -20.6
wp 3504.1
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sc 0
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fs 80.38
rf1 148.2
tpp 0
time 10
at ph 2.080
  
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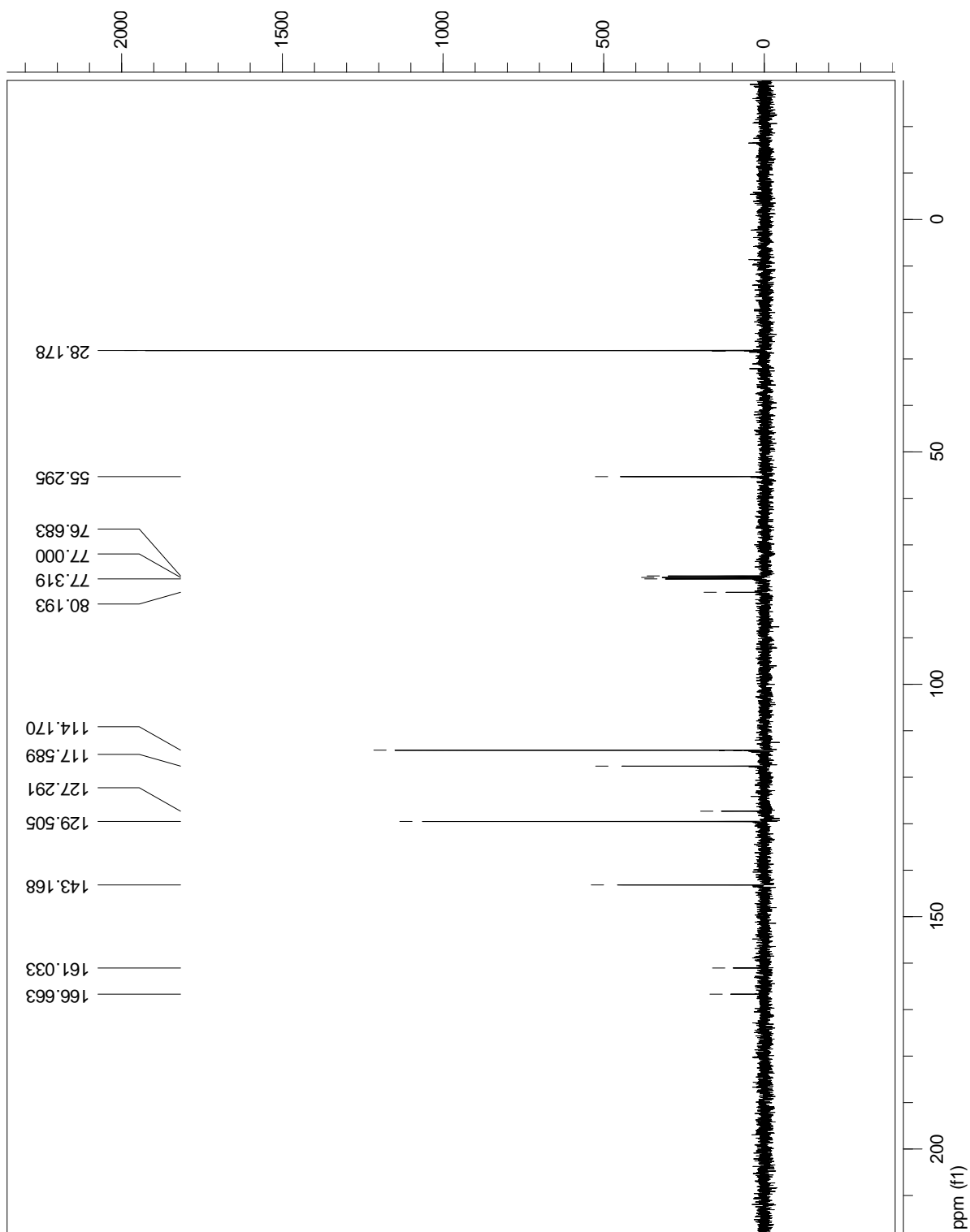


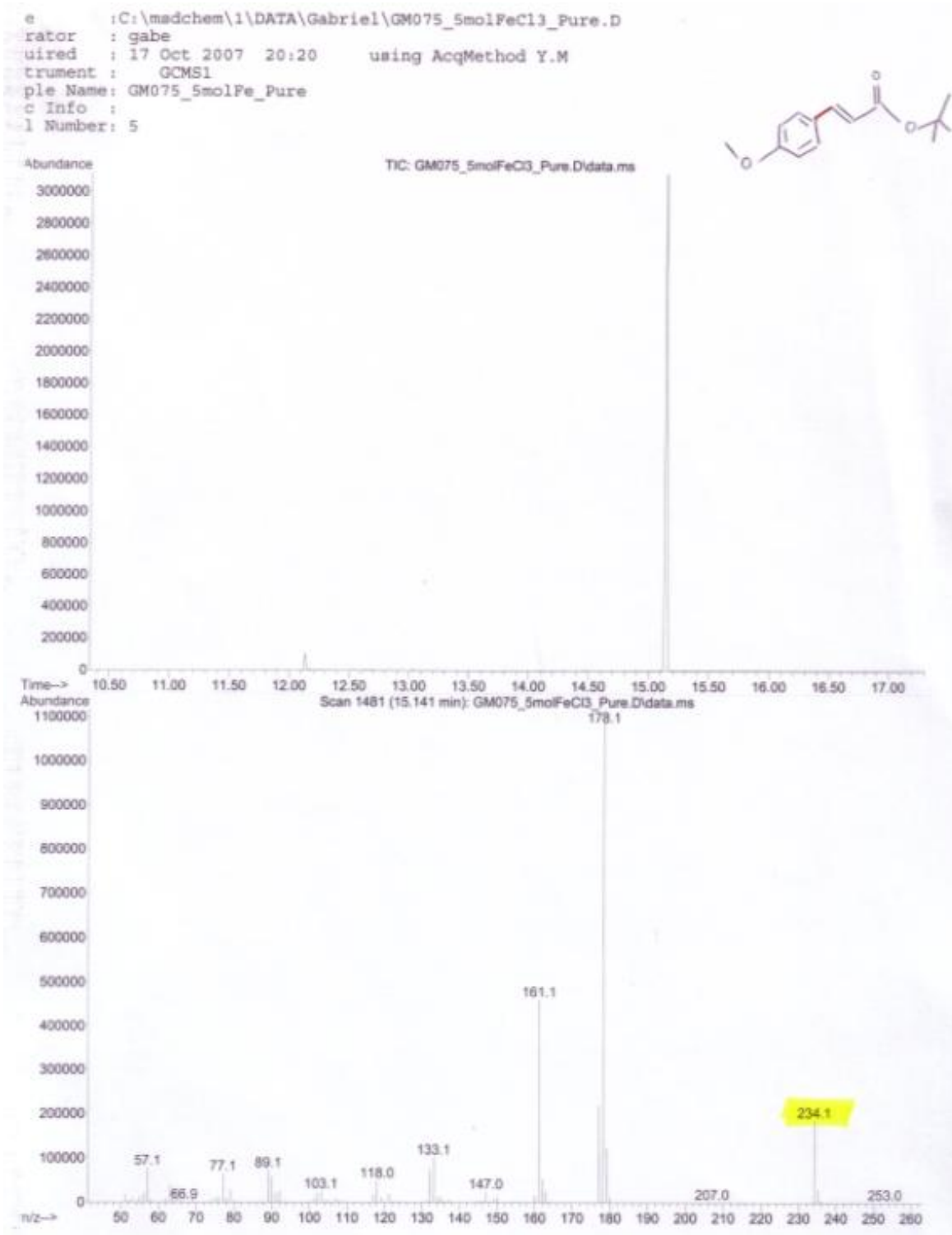
Espectro <sup>1</sup>H NMR 4. Bromonaftaleno.

Espectro  $^1\text{H}$  NMR 5. Bromobenzofenona

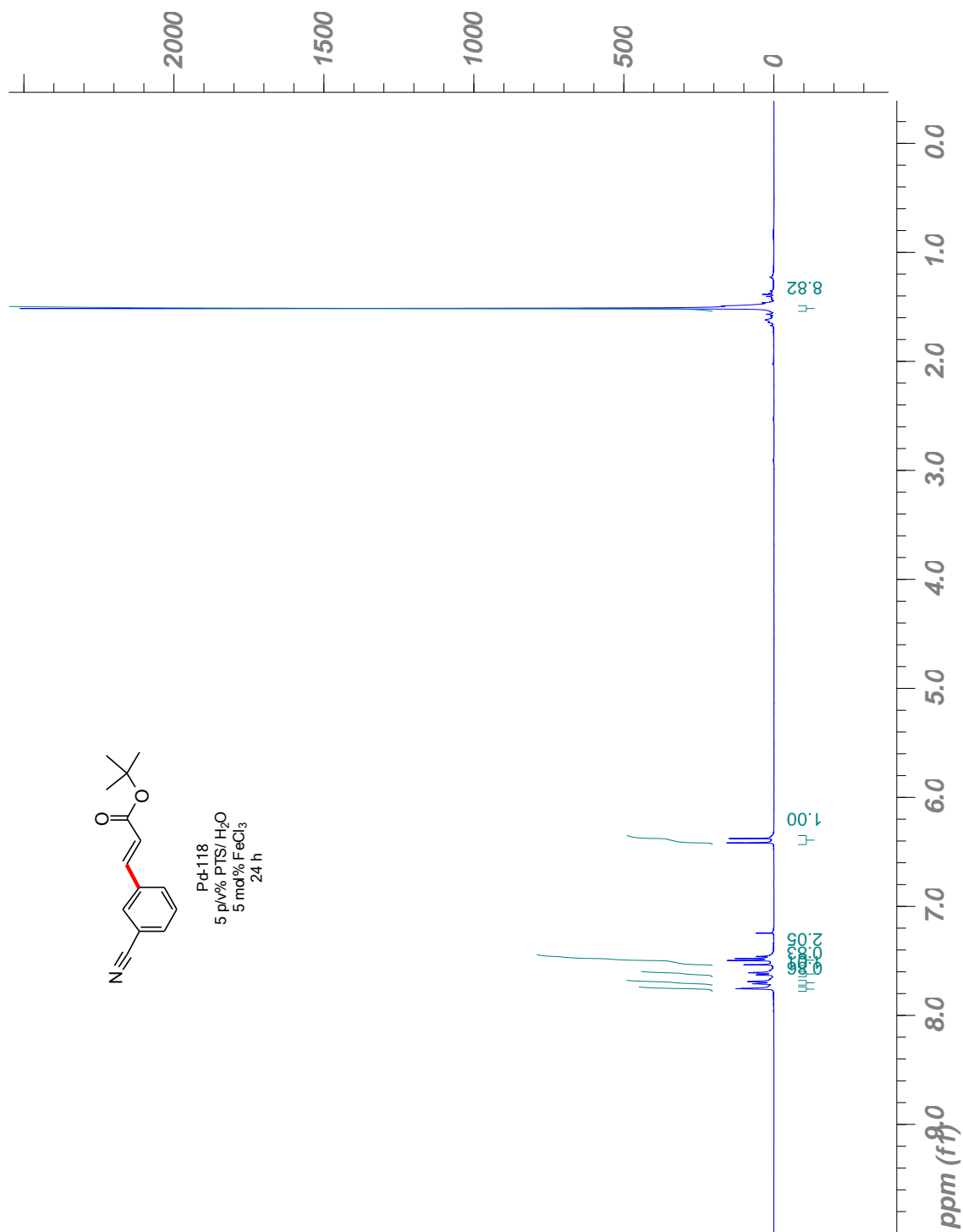


Espectro <sup>1</sup>H NMR 6. (E)- *ter*-butil – (4-metoxi fenil) acrilato

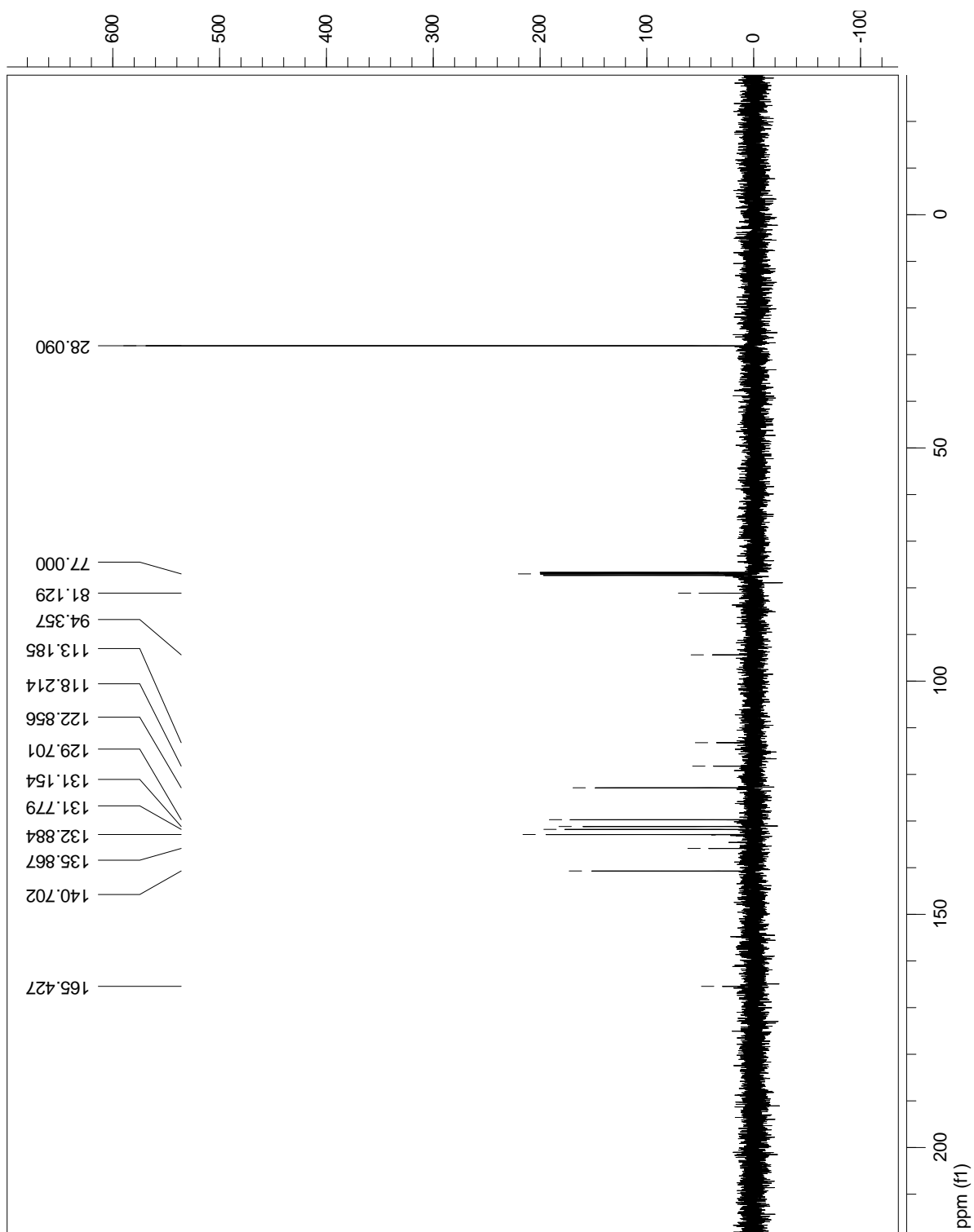




**Espectro GC-MS 8. (E)- ter-butil-(4-metoxi fenil) acrilato**

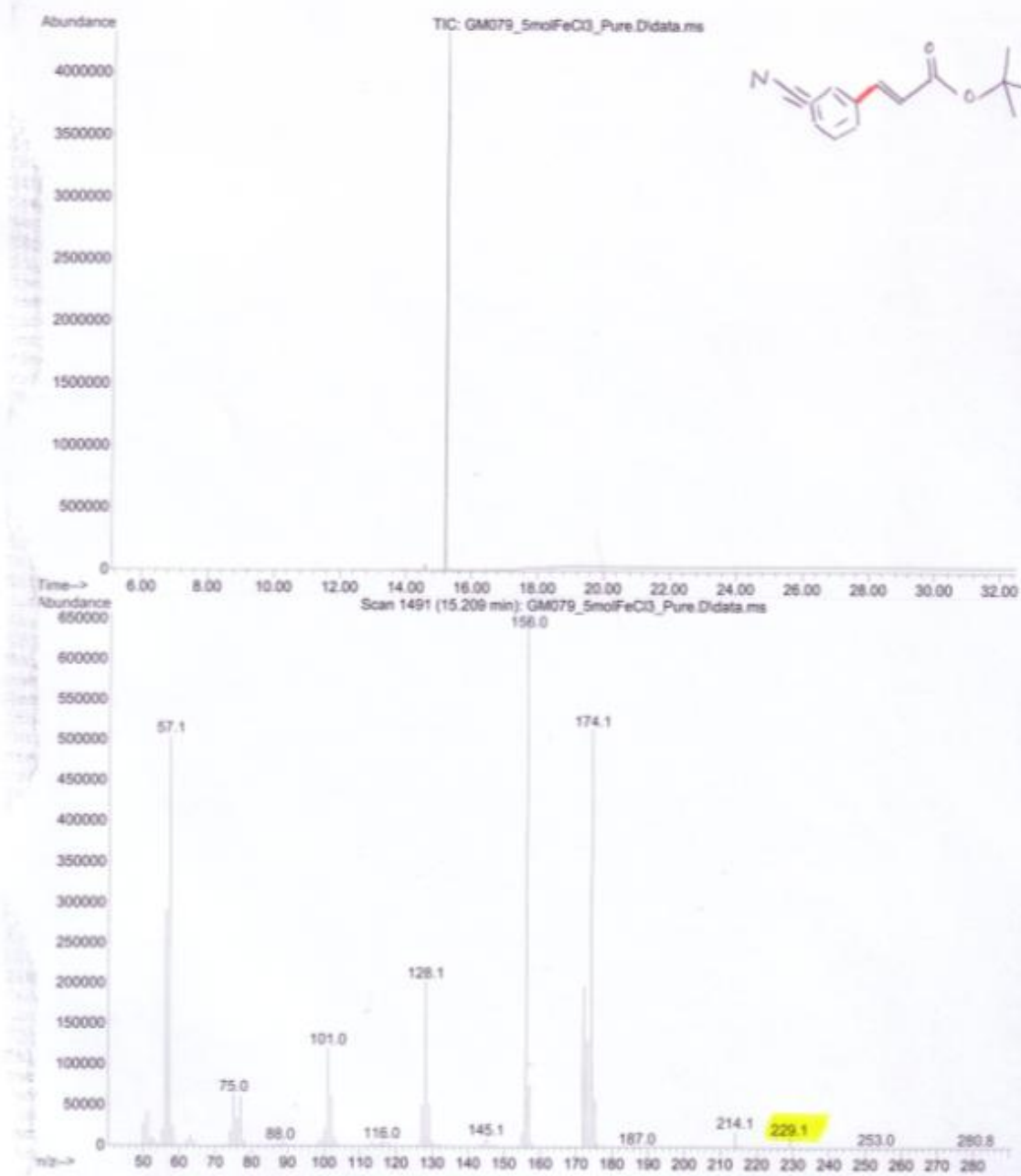


Espectro <sup>1</sup>H NMR 9. (E)- *ter*-butil 3-(3-cianofenil) acrilato

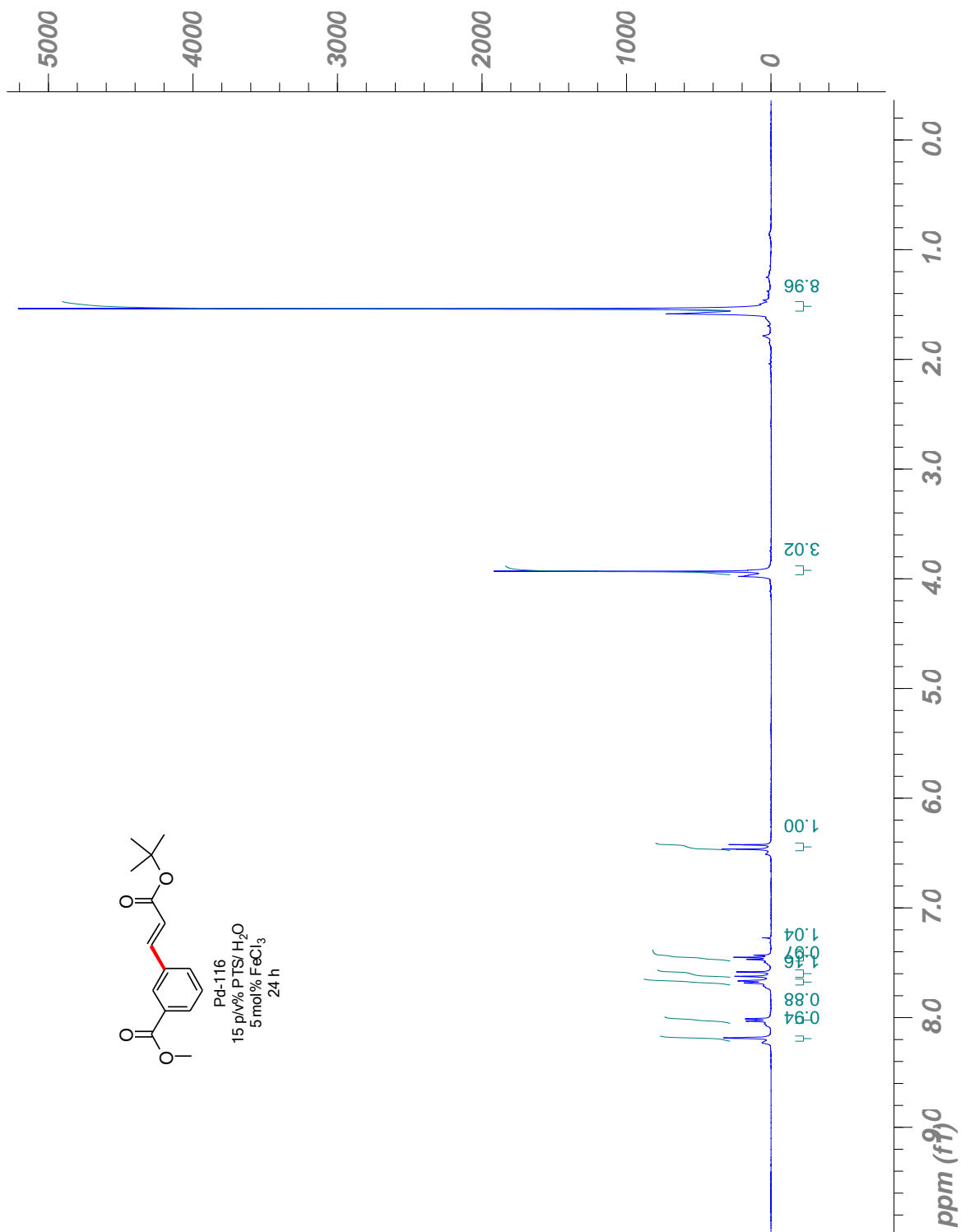


Espectro  $^{13}\text{C}$  NMR 10. (E)-*ter*-butil 3-(3-cianofenil) acrilato

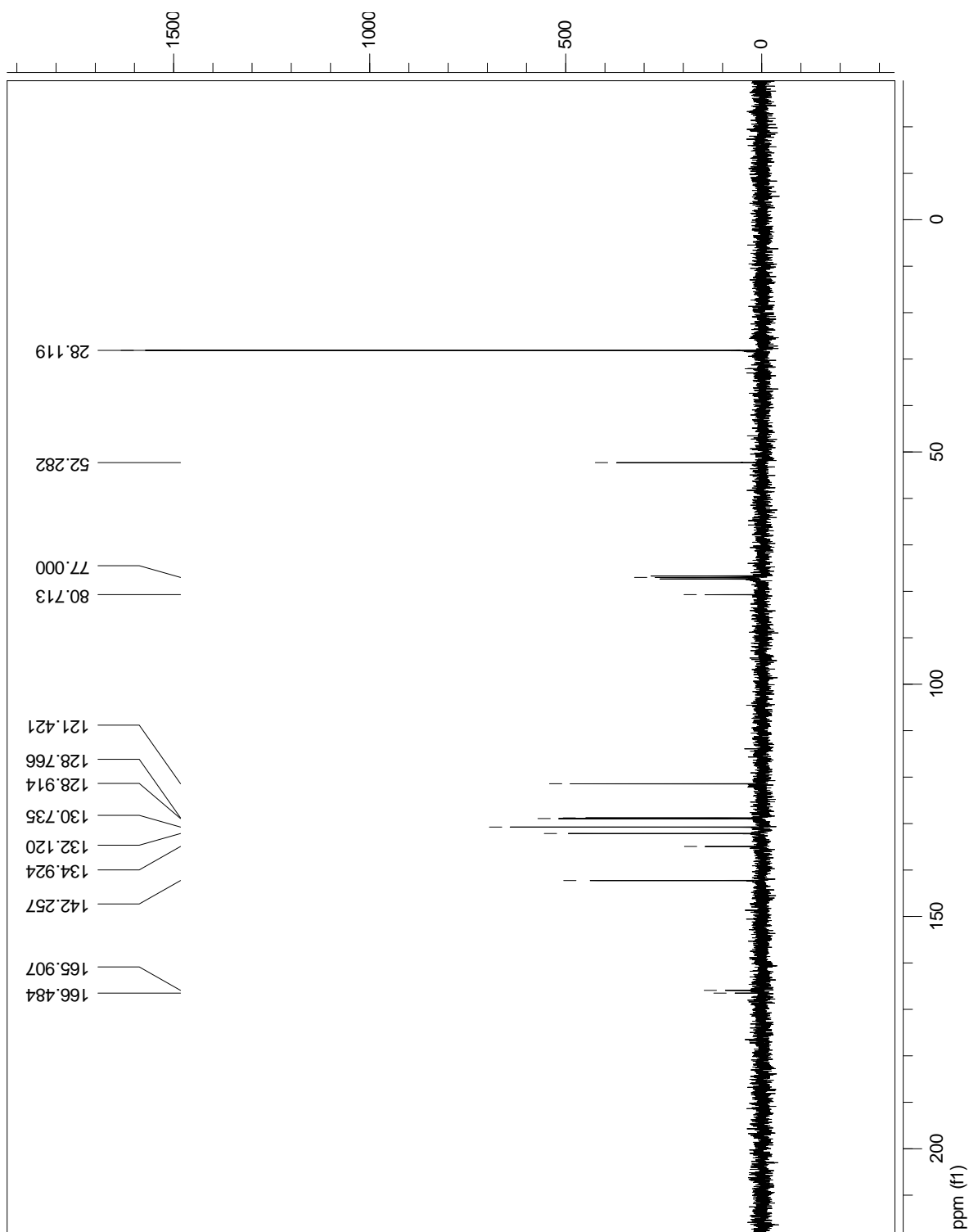
File : C:\msdchem\1\DATA\Gabriel\GM079\_5molFeCl3\_Pure.D  
Operator : gabe  
Acquired : 17 Oct 2007 21:35 using AcqMethod Y.M  
Instrument : GCMS1  
Sample Name: GM079\_5molFe\_Pure  
Spec Info :  
Vial Number: 7



Espectro GC-MS 11. (E)- ter-butil 3-(3-cianofenil) acrilato

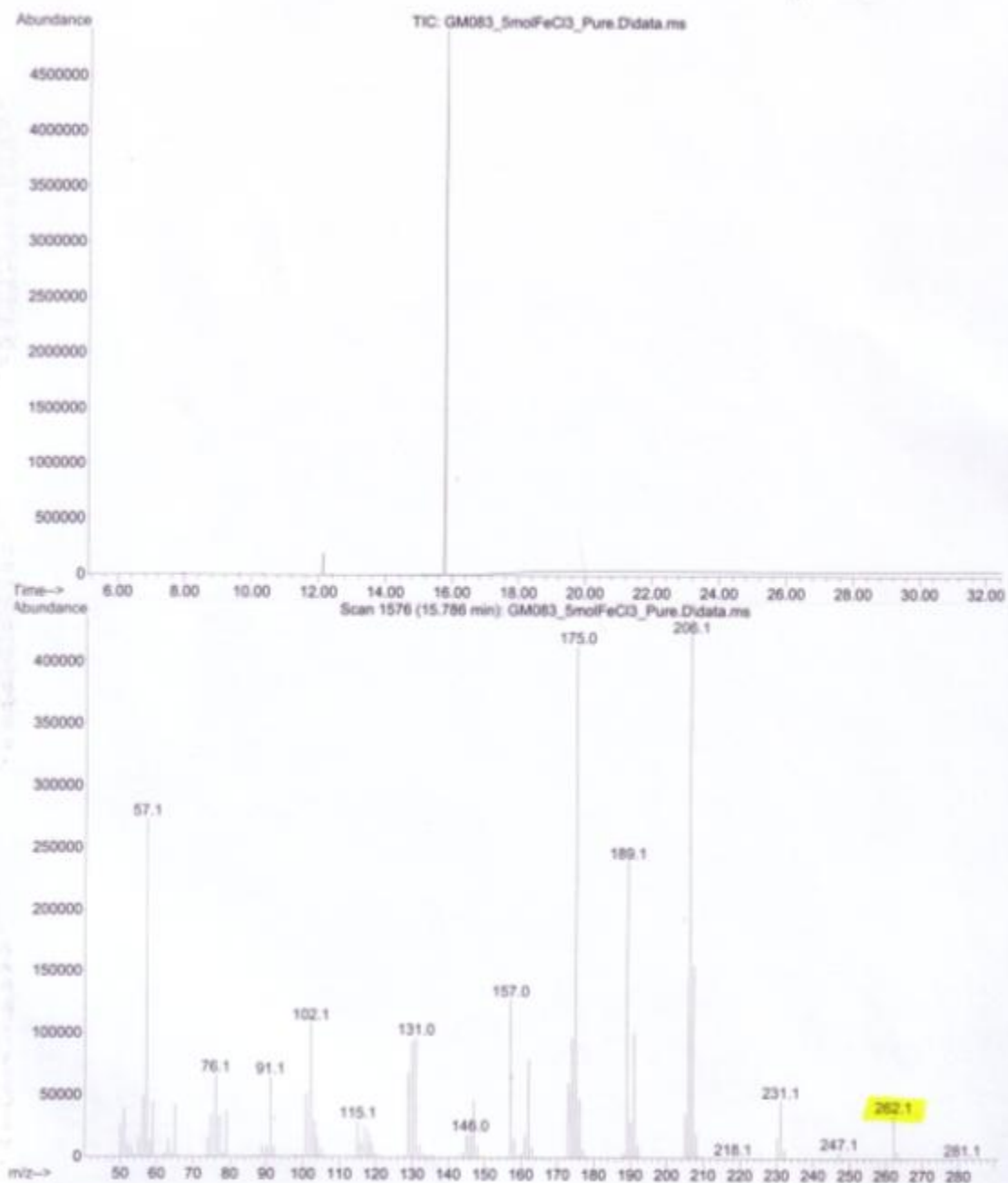
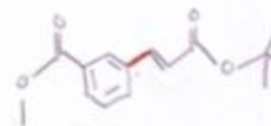


**Espectro <sup>1</sup>H NMR 12.** (*E*)- metil- 3-(3-*ter*-butoxy-3-oxoprop-1-enyl) benzoato

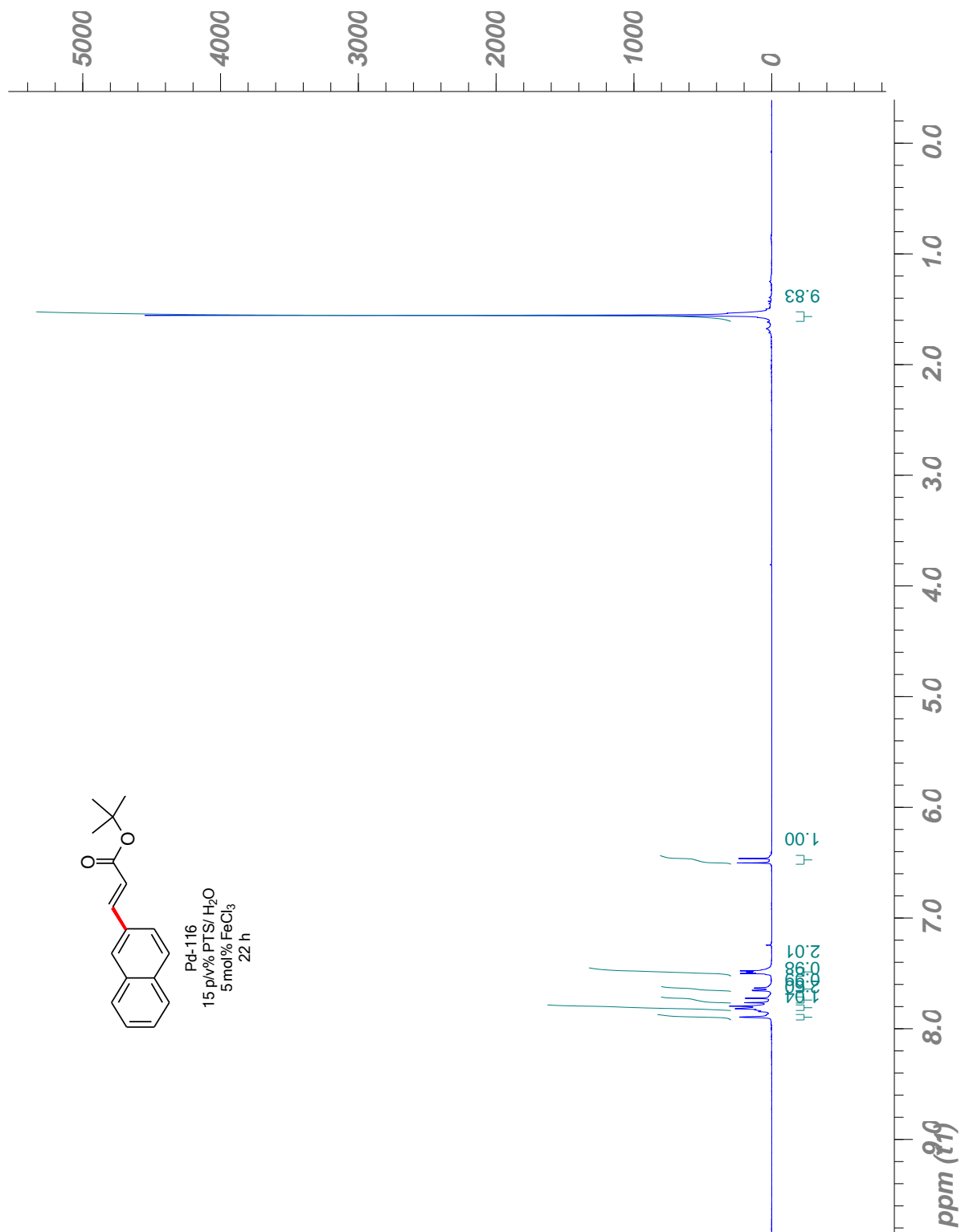


Espectro <sup>13</sup>C NMR 13. (*E*)- metil- 3-(3-*ter*-butoxy-3-oxoprop-1-enyl) benzoato

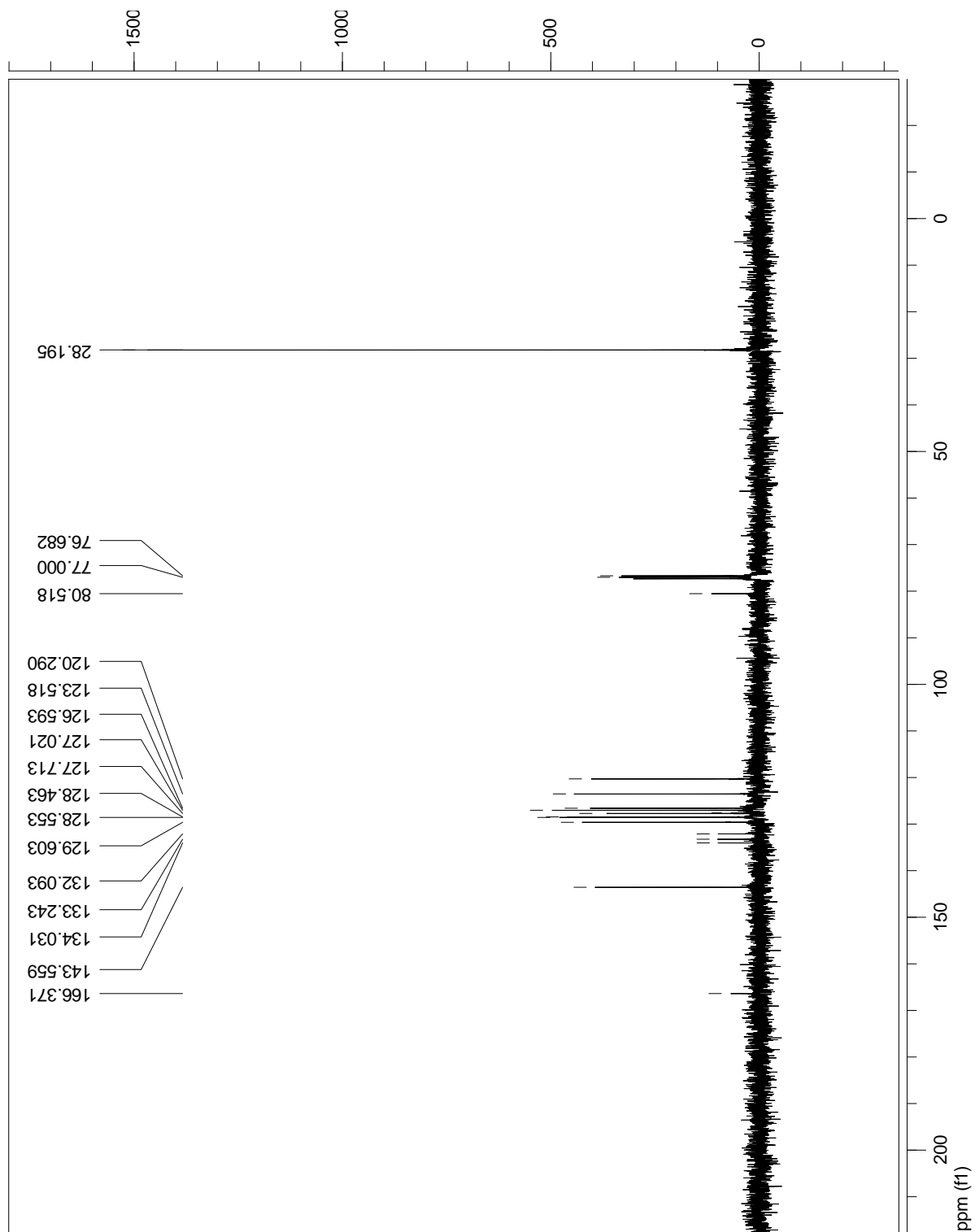
File Name: C:\msdchem\1\DATA\Gabriel\GM083\_5molFeCl3\_Pure.D  
Operator: gabe  
Acquired: 17 Oct 2007 22:12 using AcqMethod Y.M  
Instrument: GCMS1  
Sample Name: GM083\_5molFe\_Pure  
Ac Info:  
Vial Number: 8



**Espectro GC-MS 14. (E)- metil- 3-(3-ter-butoxy-3-oxoprop-1-enyl) benzoato**

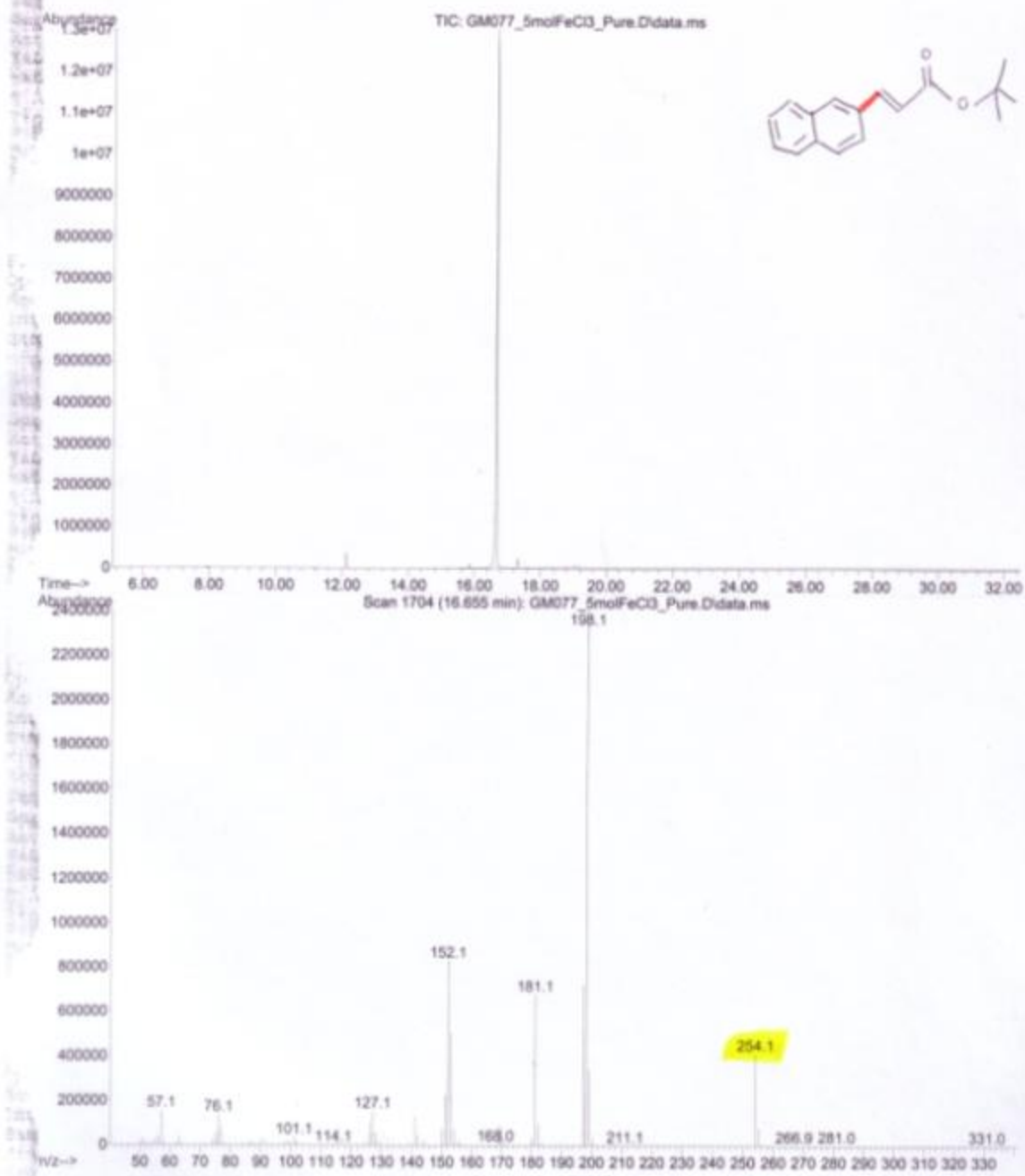


Espectro <sup>1</sup>H NMR 15. (E)- *ter*-butil 3- (naftalen-2-nil) acrilato

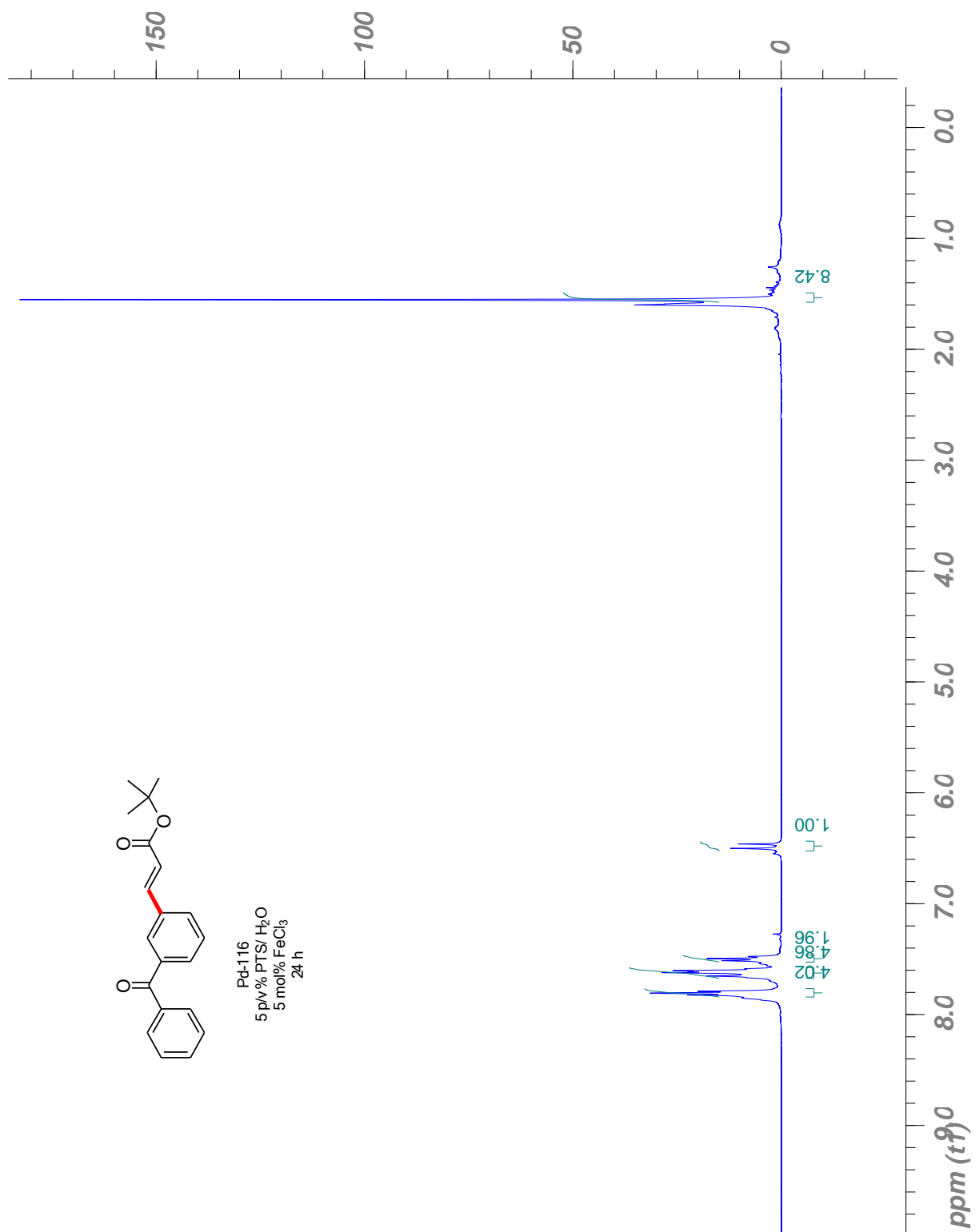


Espectro  $^{13}\text{C}$  NMR 16. (E)- *ter*-butil 3– (naftalen-2-nil) acrilato

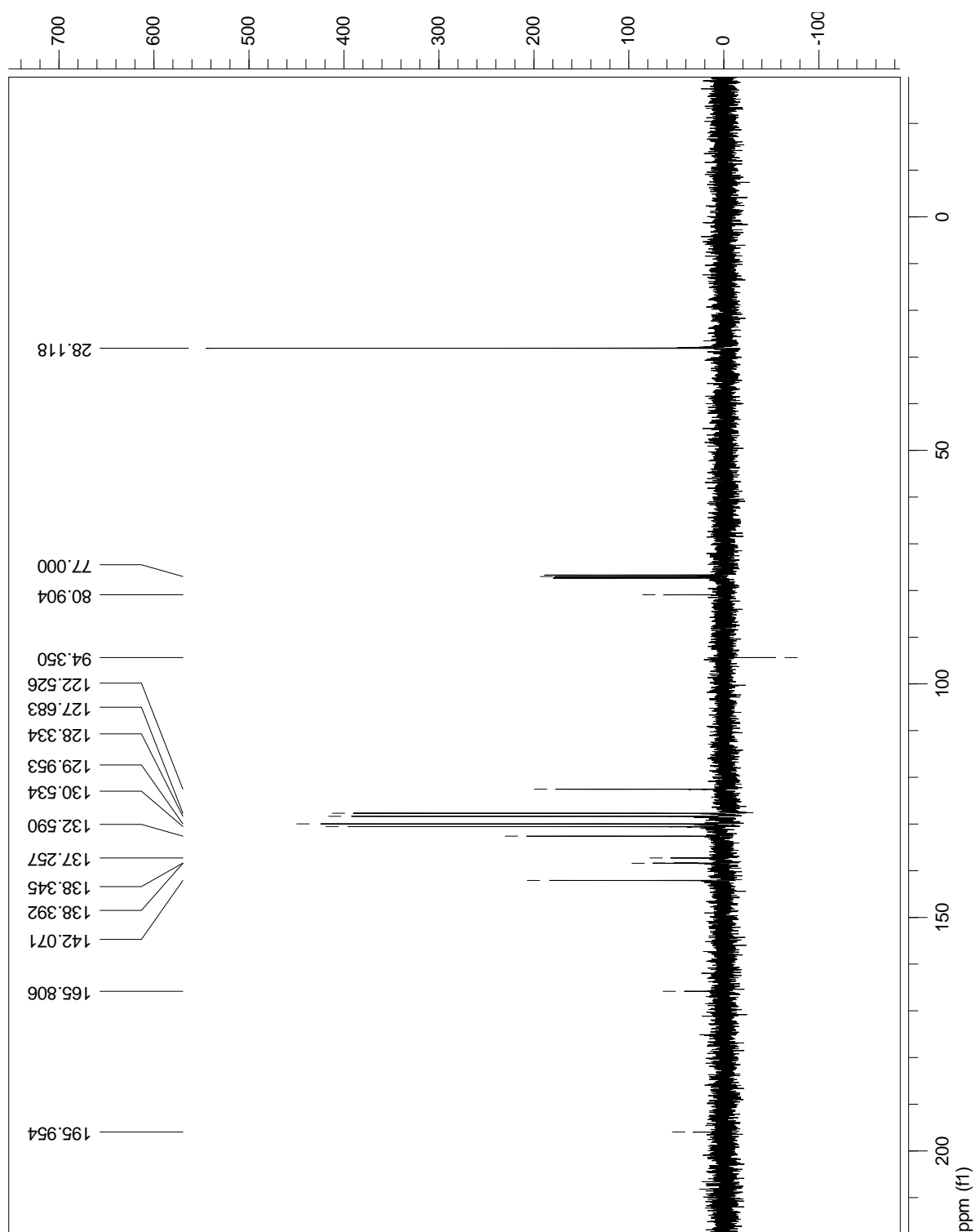
File : C:\msdchem\1\DATA\Gabriel\GM077\_5molFeCl3\_Pure.D  
Operator : gabe  
Acquired : 17 Oct 2007 20:58 using AcqMethod Y.M  
Instrument : GCMS1  
Sample Name: GM077\_5molFe\_Pure  
Sample Info :  
Injection Number: 6



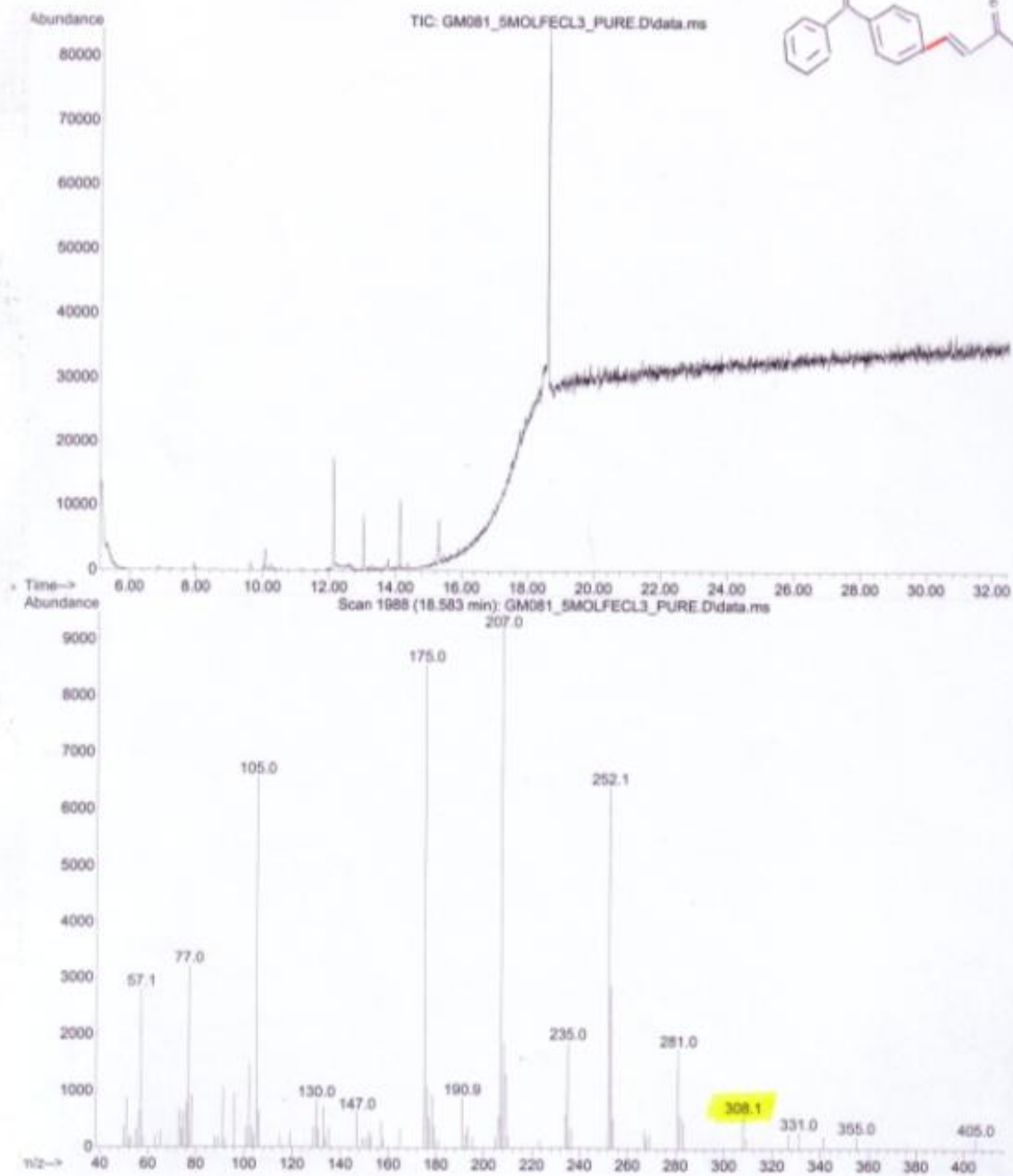
**Espectro GC-MS 17. (E)-ter-butil 3- (naftalen-2-nil) acrilato**



**Espectro <sup>1</sup>H NMR 18.** (*E*)- *ter*-butil 3- (4-benzoyl fenil) acrilato

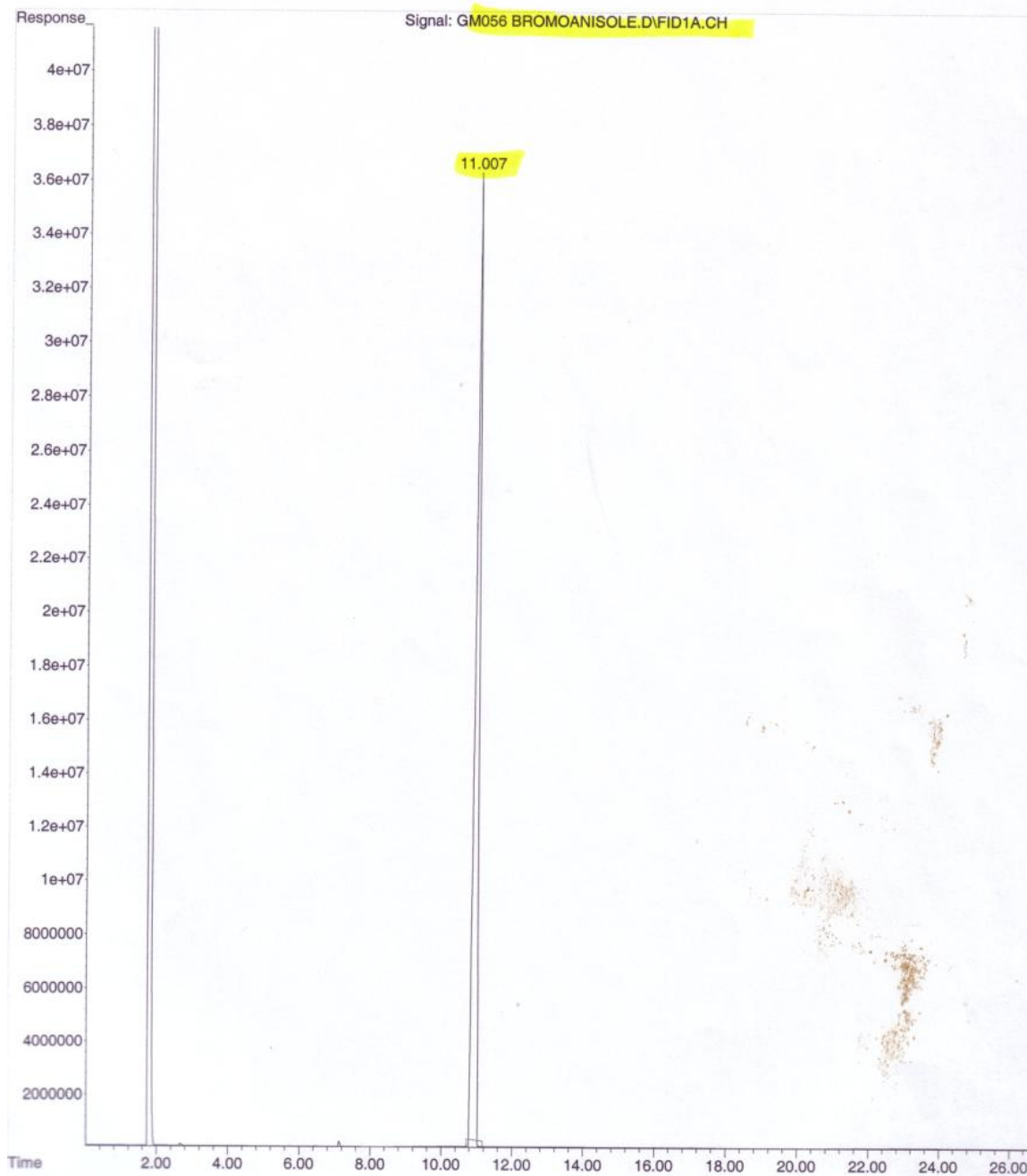


File : C:\msdchem\1\DATA\Gabriel\GM081\_5MOLFECLE3\_PURE.D  
Operator : gabe  
Acquired : 17 Oct 2007 19:43 using AcqMethod Y.M  
Instrument : GCMS1  
Sample Name: GM081\_5molFe\_Pure  
Sample Info :  
Injection Number: 4



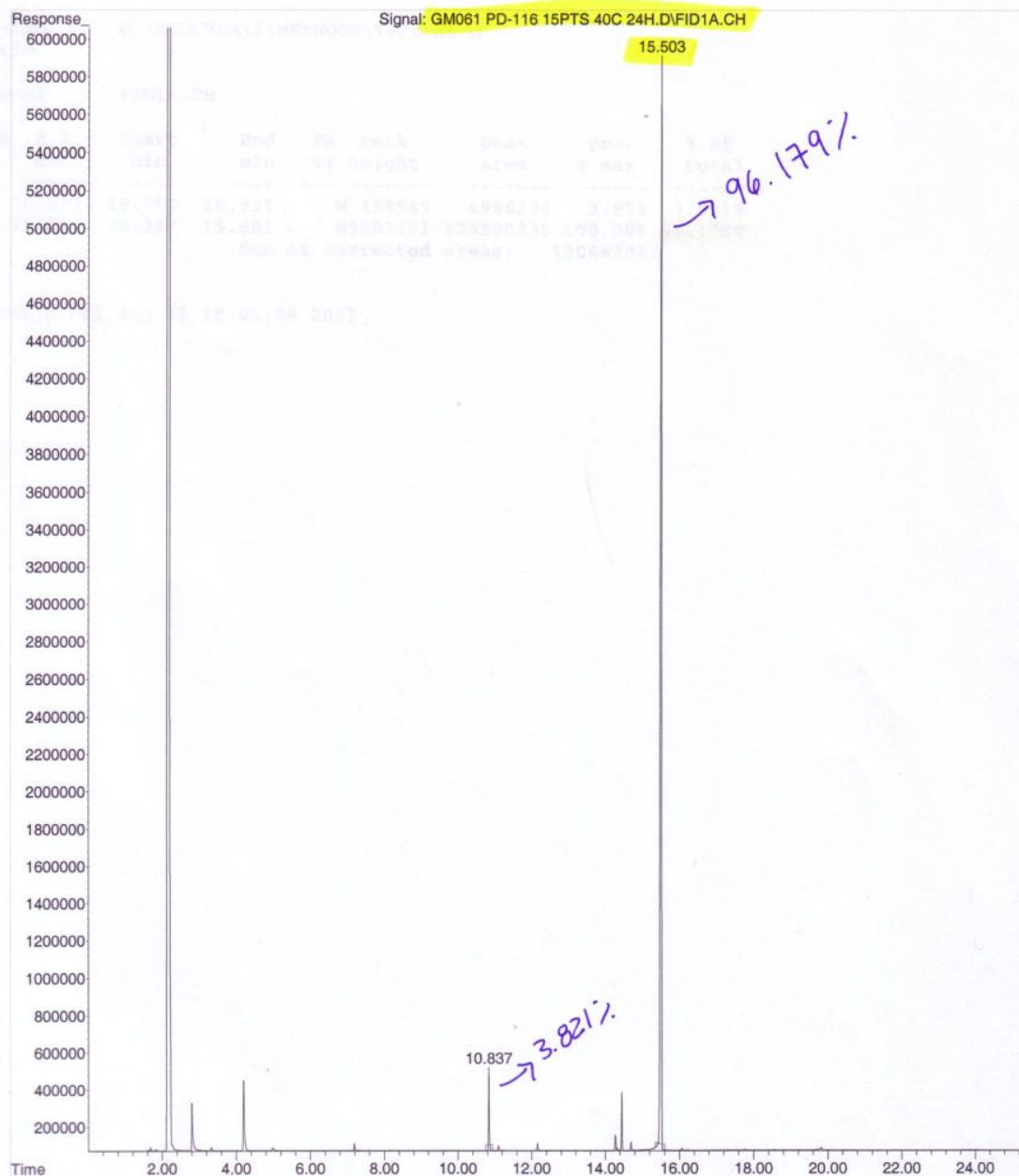
**Espectro GC-MS 20. (E)- ter-butyl 3- (4-benzoyl fenil) acrilato**

File :C:\msdchem\2\DATA\Gabriel\GM056 BROMOANISOLE.D  
Operator : GM  
Acquired : 17 Aug 2007 15:55 using AcqMethod Y-FRONT.M  
Instrument : HP G1530A  
Sample Name: GM056 Bromoanisole SMaterial  
Misc Info :  
Vial Number: 1

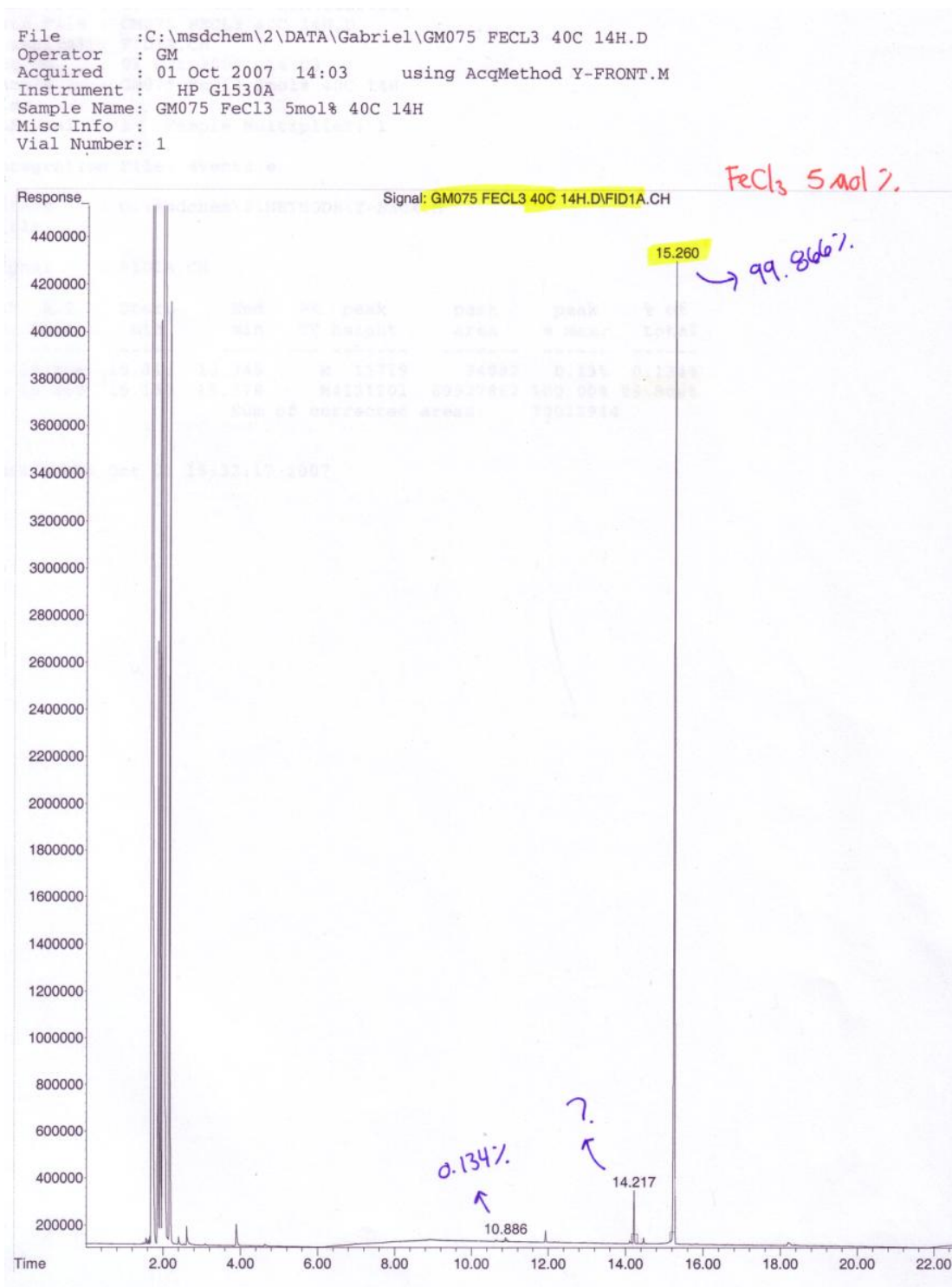


Cromatograma 1. Bromoanisol

File :C:\msdchem\2\DATA\Gabriel\GM061 PD-116 15PTS 40C 24H.D  
Operator : GM  
Acquired : 31 Aug 2007 17:20 using AcqMethod Y-FRONT.M  
Instrument : HP G1530A  
Sample Name: GM061 Pd-116 15PTS/H2O 40C 24H  
Misc Info :  
Vial Number: 1

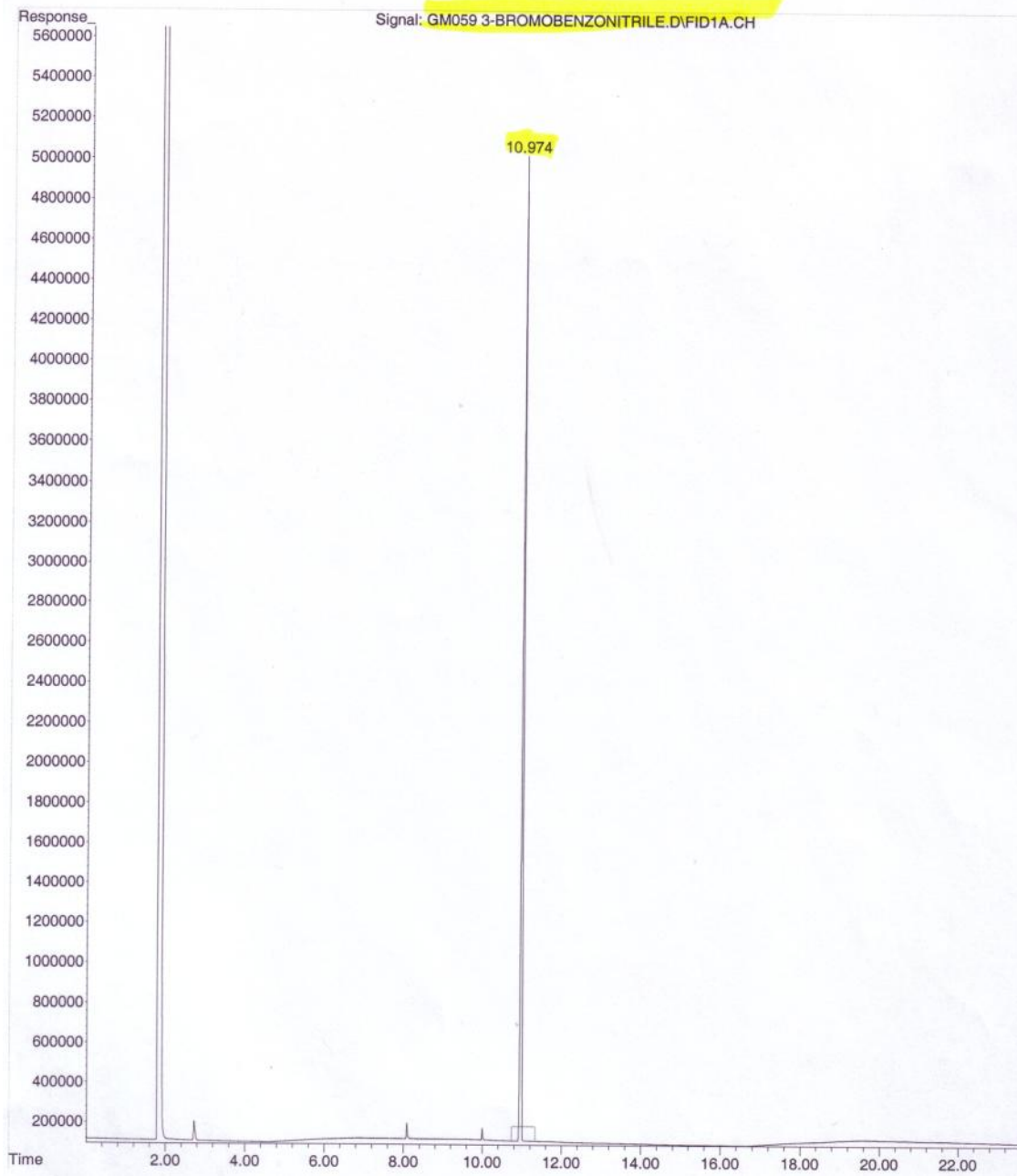


Cromatograma 2. Bromoanisol; Pd-116 15 p/v% PTS/H<sub>2</sub>O



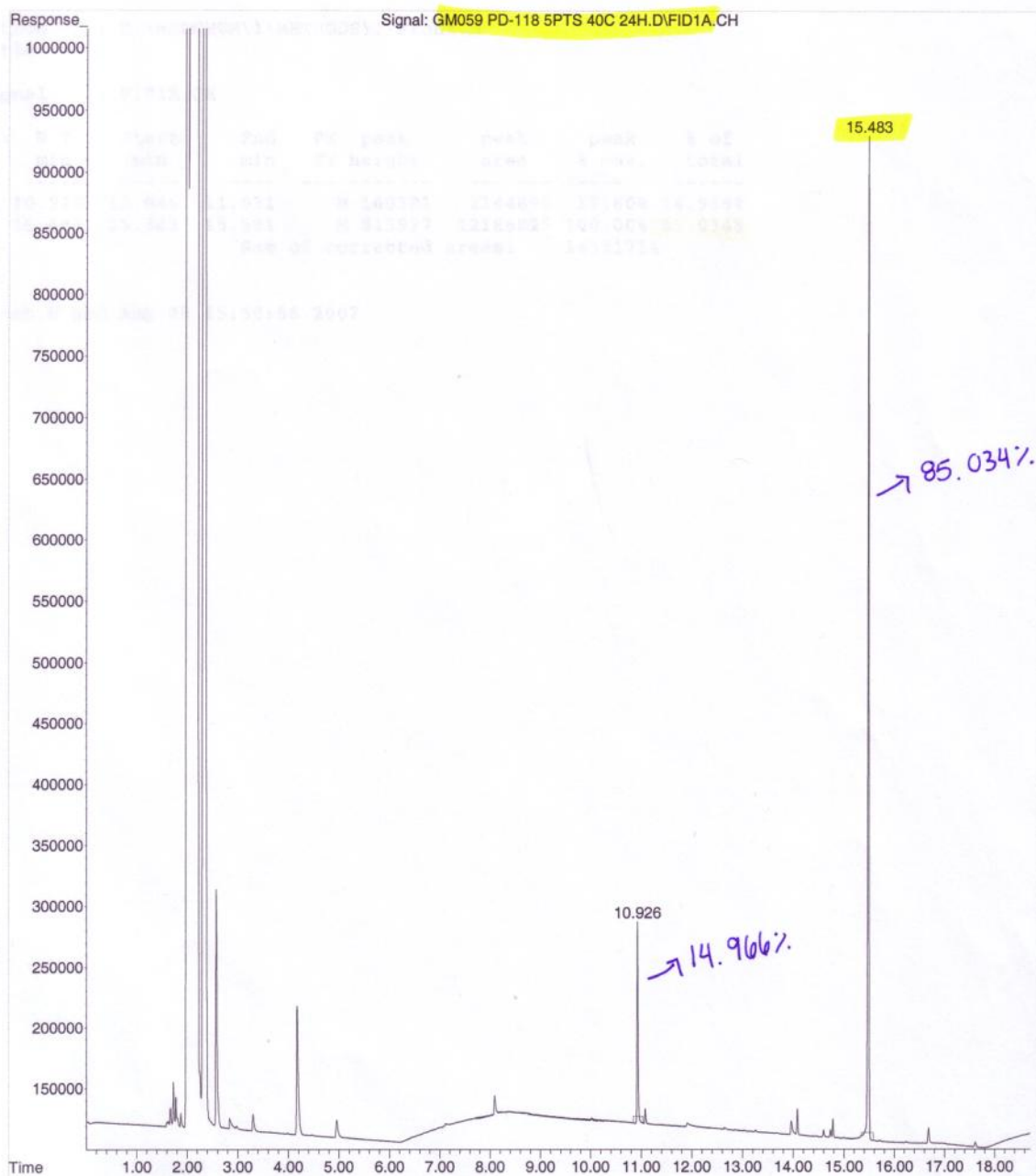
**Cromatograma 3.** Bromoanisol; Pd-116 15 p/v% PTS/H<sub>2</sub>O, 5 mol% FeCl<sub>3</sub>

File :C:\msdchem\2\DATA\Gabriel\GM059 3-BROMOBENZONITRILE.D  
Operator : GM  
Acquired : 29 Aug 2007 11:50 using AcqMethod Y-FRONT.M  
Instrument : HP G1530A  
Sample Name: 3-BromoBenzonitrile  
Misc Info :  
Vial Number: 1



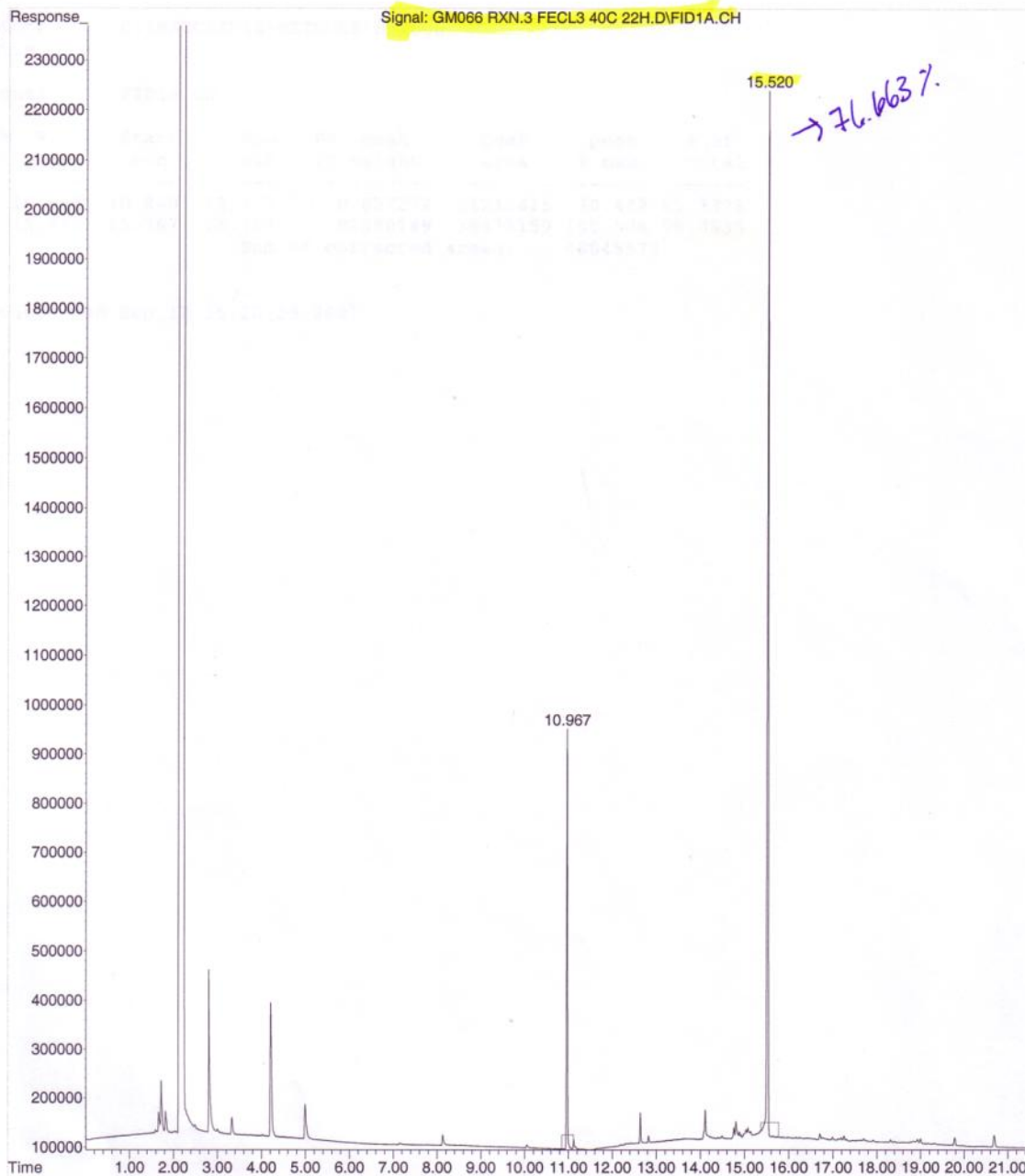
Cromatograma 4. 3-Bromobenzonitrilo

File : C:\msdchem\2\DATA\Gabriel\GM059 PD-118 5PTS 40C 24H.D  
Operator : GM  
Acquired : 29 Aug 2007 13:31 using AcqMethod Y-FRONT.M  
Instrument : HP G1530A  
Sample Name: GM059 Pd-118 5PTS/H2O 40C 24 H  
Misc Info :  
Vial Number: 1



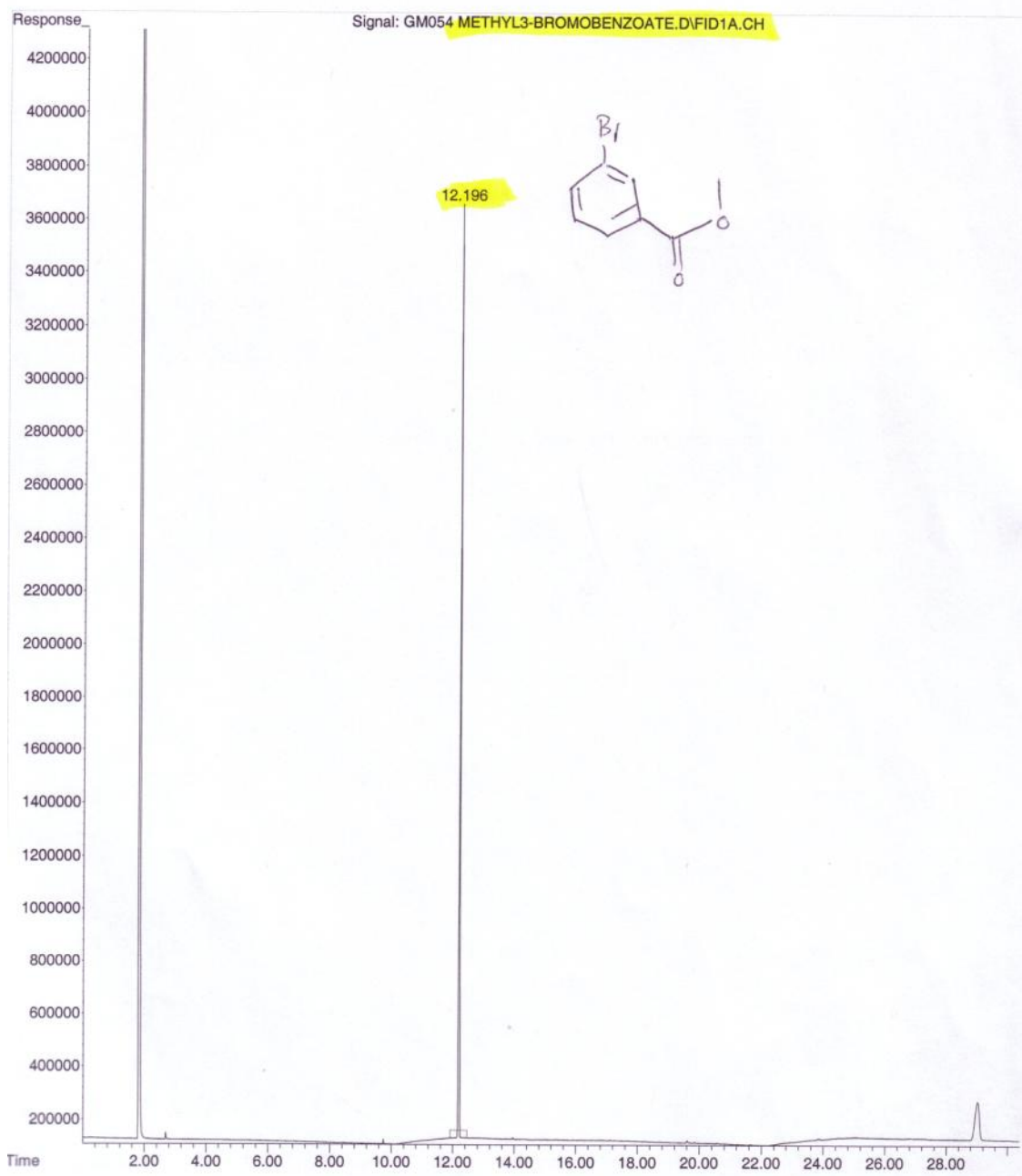
Cromatograma 5. 3-Bromobenzonitrilo; Pd-118 5 p/v% PTS/H<sub>2</sub>O

File :C:\msdchem\2\DATA\Gabriel\GM066 RXN.3 FECL3 40C 22H.D  
Operator : GM  
Acquired : 12 Sep 2007 14:42 using AcqMethod Y-FRONT.M  
Instrument : HP G1530A  
Sample Name: GM066 Rxn.3 FeCl3 40C 22H  
Misc Info :  
Vial Number: 1



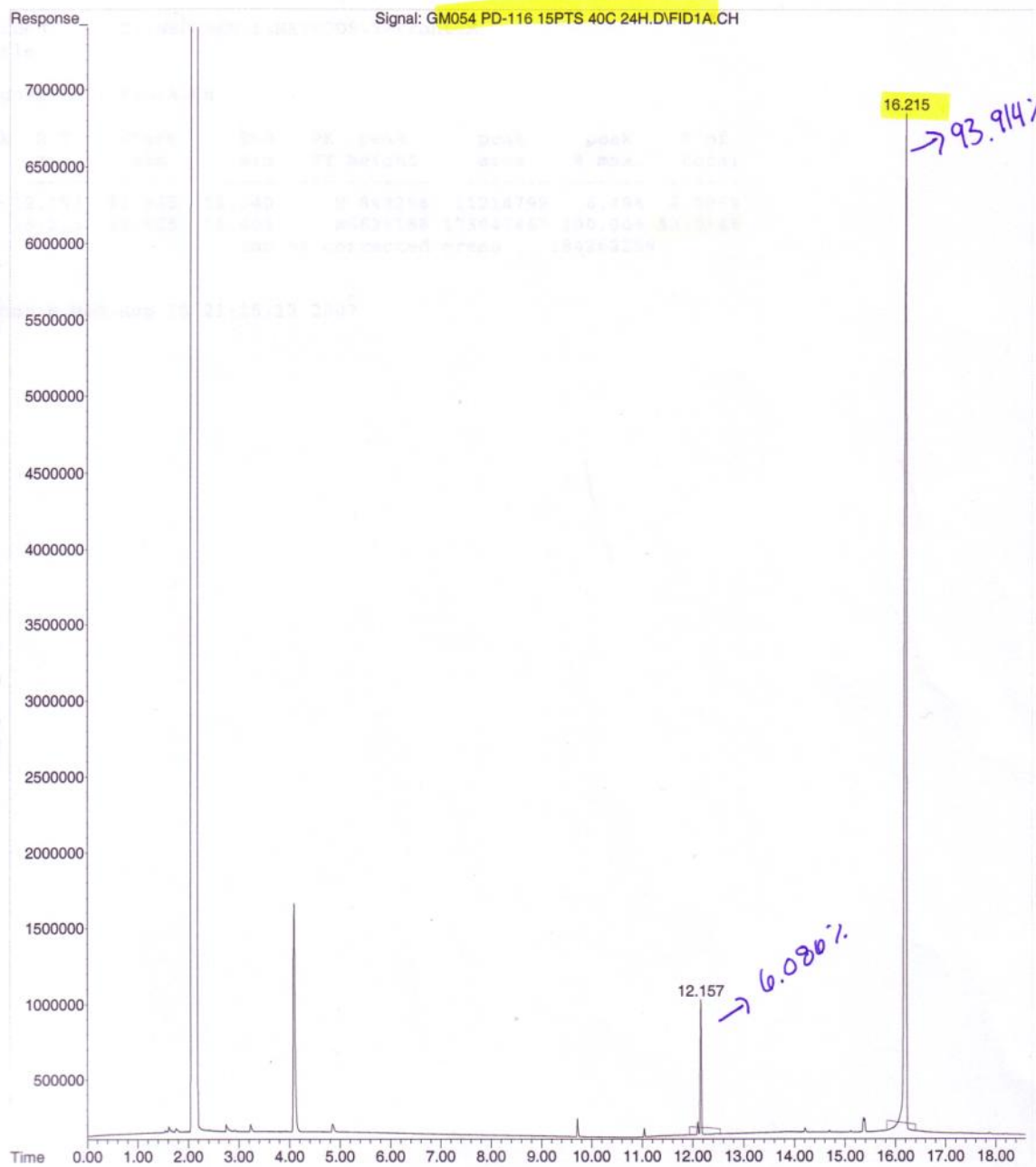
**Cromatograma 6.** 3-Bromobenzonitrilo; Pd-118 5 p/v% PTS/H<sub>2</sub>O, 10 mol% FeCl<sub>3</sub>

File :C:\msdchem\2\DATA\Gabriel\GM054 METHYL3-BROMOBENZOATE.D  
Operator : GM  
Acquired : 14 Aug 2007 17:27 using AcqMethod Y-FRONT.M  
Instrument : HP G1530A  
Sample Name: GM054 Starting Material  
Misc Info : GC4 Y Front  
Vial Number: 1



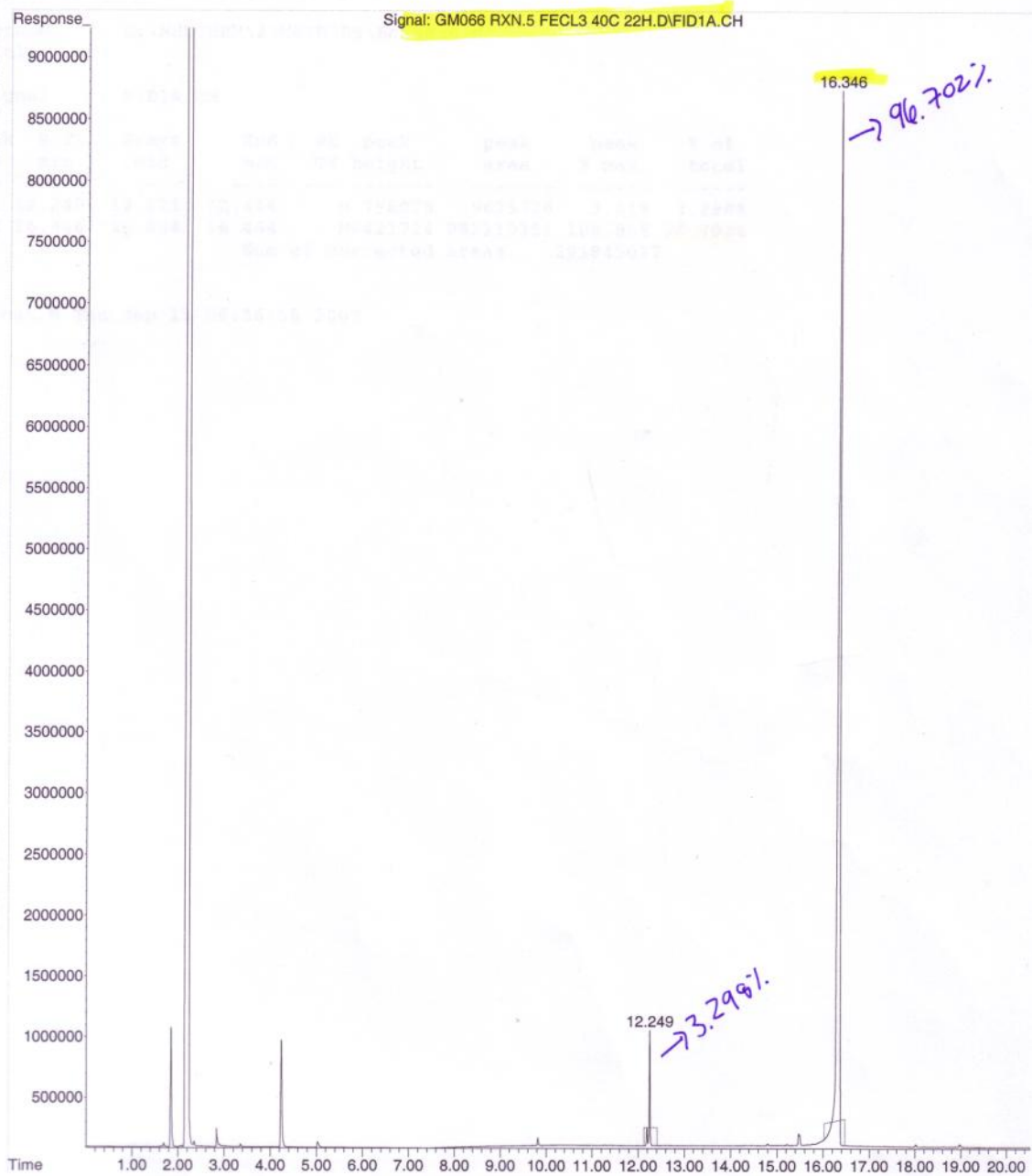
Cromatograma 7. Metil 3-Bromobenzoato

File :C:\msdchem\2\DATA\Gabriel\GM054 PD-116 15PTS 40C 24H.D  
Operator : gm  
Acquired : 15 Aug 2007 18:01 using AcqMethod Y-FRONT.M  
Instrument : HP G1530A  
Sample Name: GM054 Pd-116 15PTS/H2O 40C 24H  
Misc Info :  
Vial Number: 1



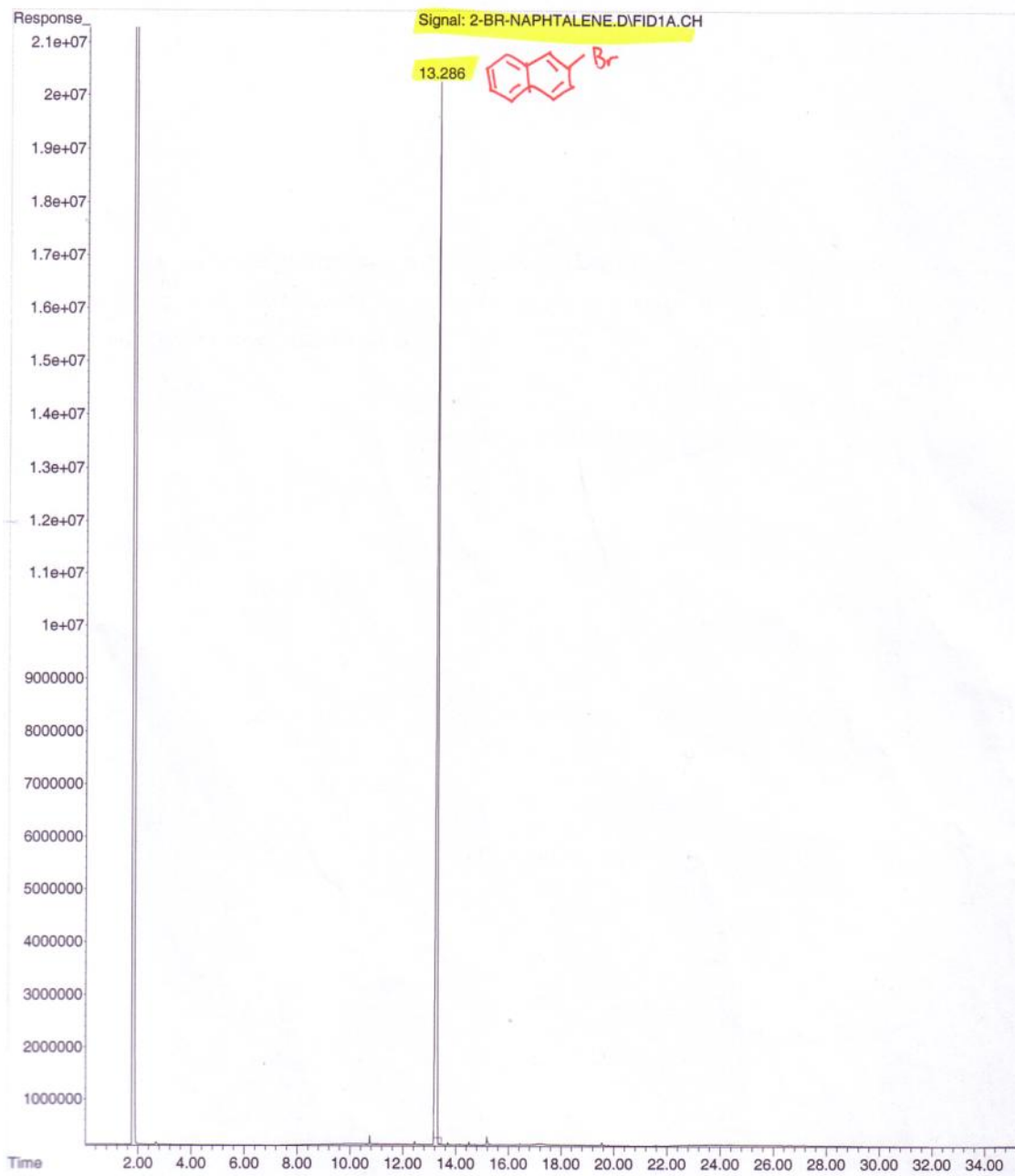
**Cromatograma 8.** Metil 3-Bromobenzoato Pd-116 15 p/v% PTS/ H<sub>2</sub>O

File :C:\msdchem\2\DATA\Gabriel\GM066 RXN.5 FECL3 40C 22H.D  
Operator : GM  
Acquired : 12 Sep 2007 20:44 using AcqMethod Y-FRONT.M  
Instrument : HP G1530A  
Sample Name: GM066 Rxn.5 FeCl3 40C 22H  
Misc Info :  
Vial Number: 1



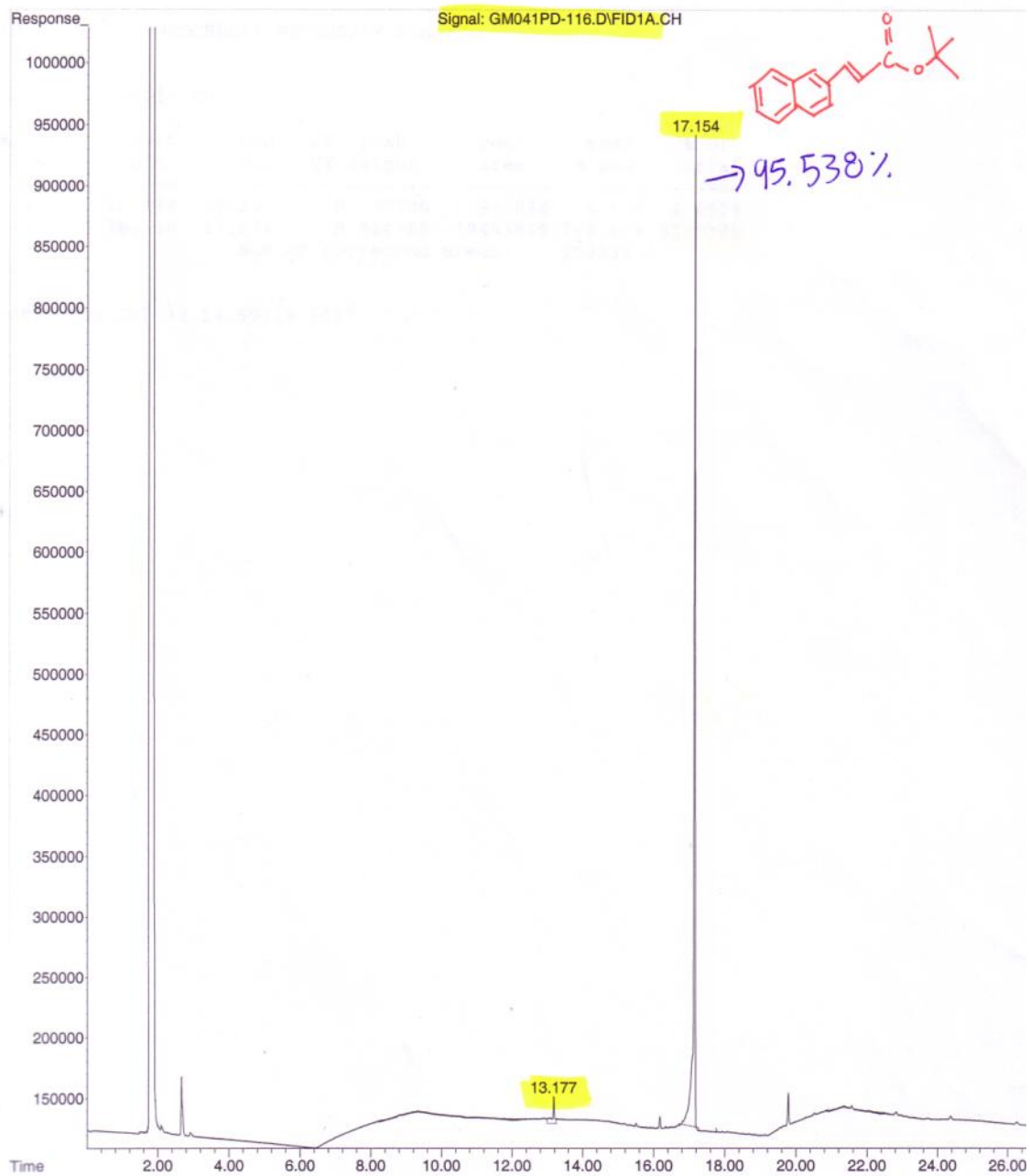
**Cromatograma 9.** Metil 3-Bromobenzoato Pd-116 15 p/v% PTS/ H<sub>2</sub>O, 10 mol% FeCl<sub>3</sub>

File :C:\msdchem\2\DATA\Gabriel\2-BR-NAPHTALENE.D  
Operator : GM  
Acquired : 27 Jul 2007 12:25 using AcqMethod Y-FRONT.M  
Instrument : HP G1530A  
Sample Name: GM041 Starting Material  
Misc Info :  
Vial Number: 1



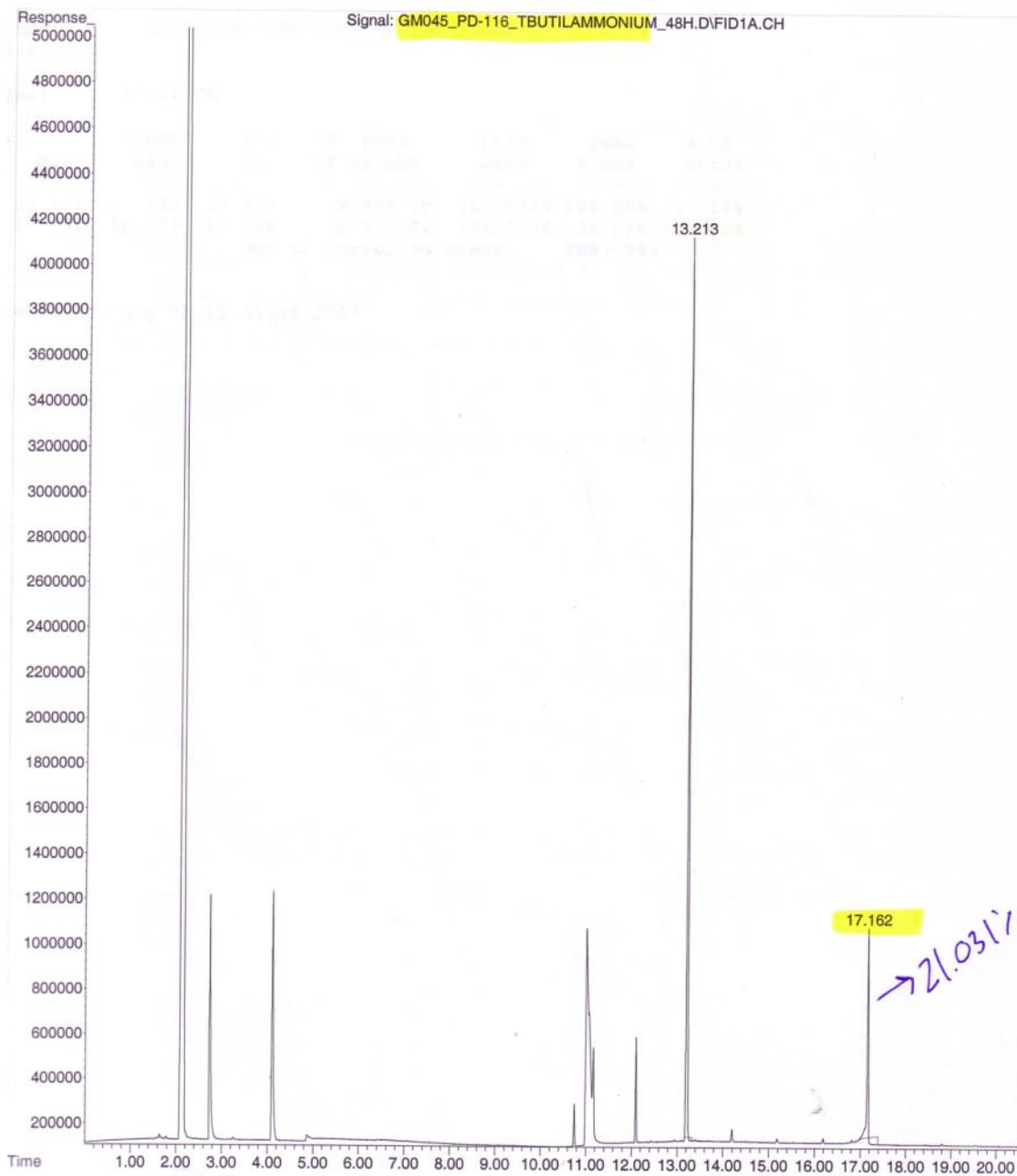
**Cromatograma 10. Bromonaftaleno.**

File :C:\msdchem\2\DATA\Gabriel\GM041PD-116.D  
Operator : GM  
Acquired : 30 Jul 2007 13:52 using AcqMethod Y-FRONT.M  
Instrument : HP G1530A  
Sample Name: Pd-116 Flashed 30 h Rt  
Misc Info :  
Vial Number: 1



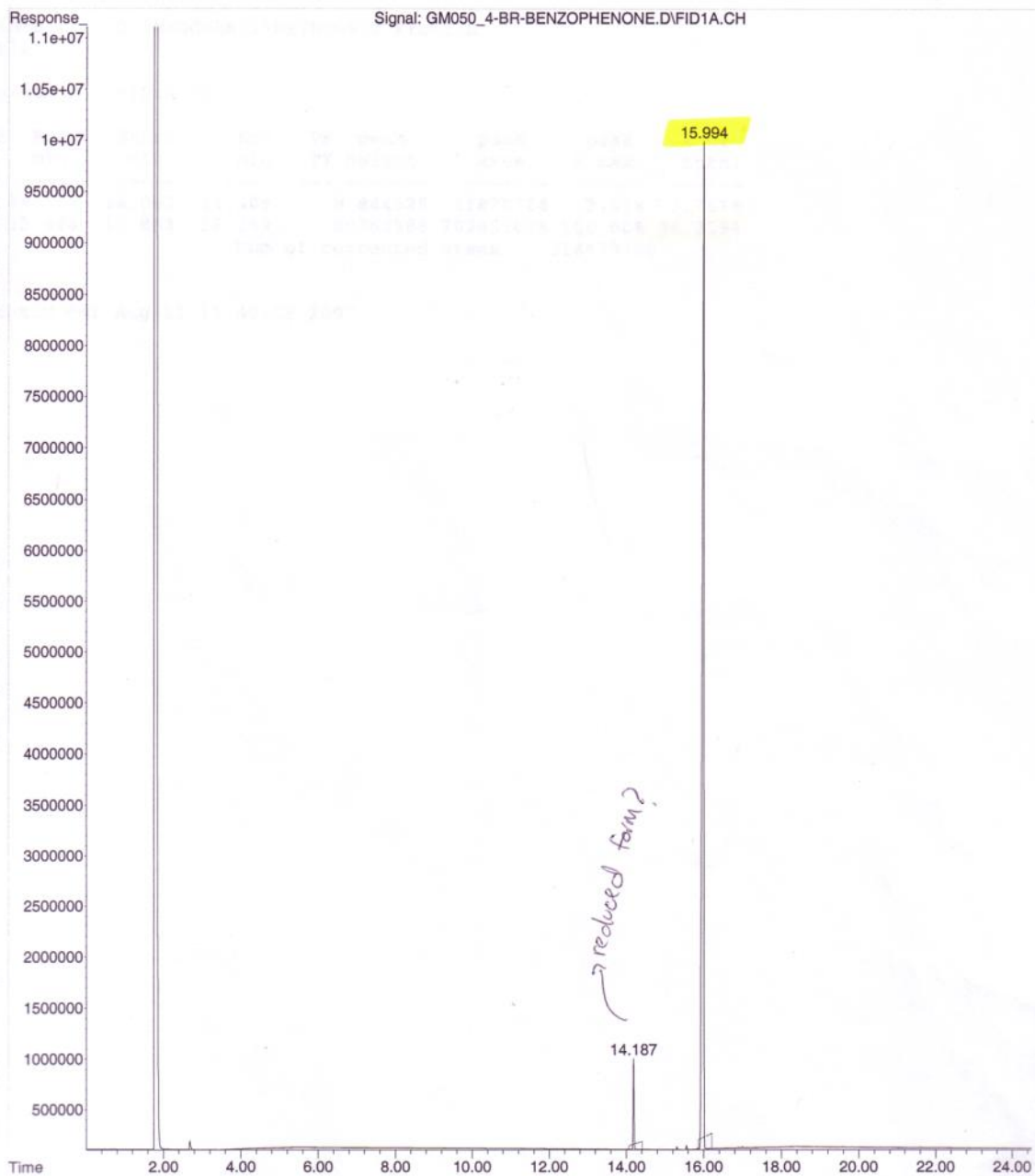
**Cromatograma 11.** Bromonaftaleno Pd-116 15 p/v% PTS/ H<sub>2</sub>O

File :C:\msdchem\2\DATA\Gabriel\GM045\_PD-116\_TBUTILAMMONIUM\_48H.D  
Operator : gm  
Acquired : 02 Aug 2007 12:59 using AcqMethod Y-FRONT.M  
Instrument : HP G1530A  
Sample Name: GM045 Pd-116 TetraButylAmmonium 48 H Rt  
Misc Info :  
Vial Number: 1

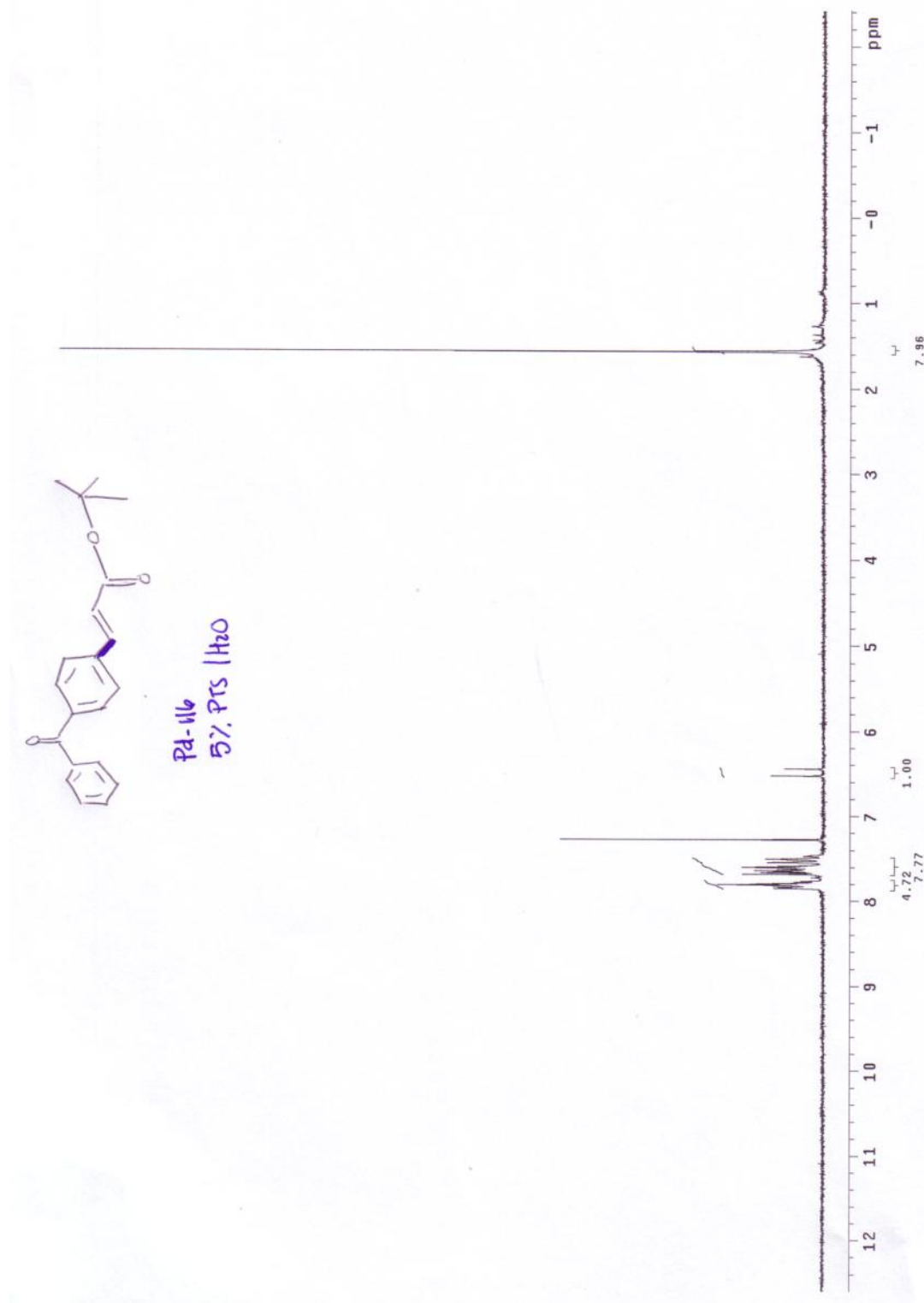


**Cromatograma 12.** Bromonaftaleno Pd-116 15 p/v% PTS/ H<sub>2</sub>O, 20 mol% tetra *n*-butilamonio yoduro

File :C:\msdchem\2\DATA\Gabriel\GM050\_4-BR-BENZOPHENONE.D  
Operator : GM  
Acquired : 11 Aug 2007 14:33 using AcqMethod Y-FRONT.M  
Instrument : HP G1530A  
Sample Name: GM 050 Starting Material  
Misc Info : GC4 Y Front  
Vial Number: 1



Cromatograma 13. Bromobenzofenona



Espectro  $^1\text{H}$  NMR 21. Bromobenzofenona Pd-116 5 p/v% PTS/  $\text{H}_2\text{O}$