

Supporting Information

A Practical Route for the highly Stereoselective Synthesis of Tetrasubstituted Fluoroalkenes

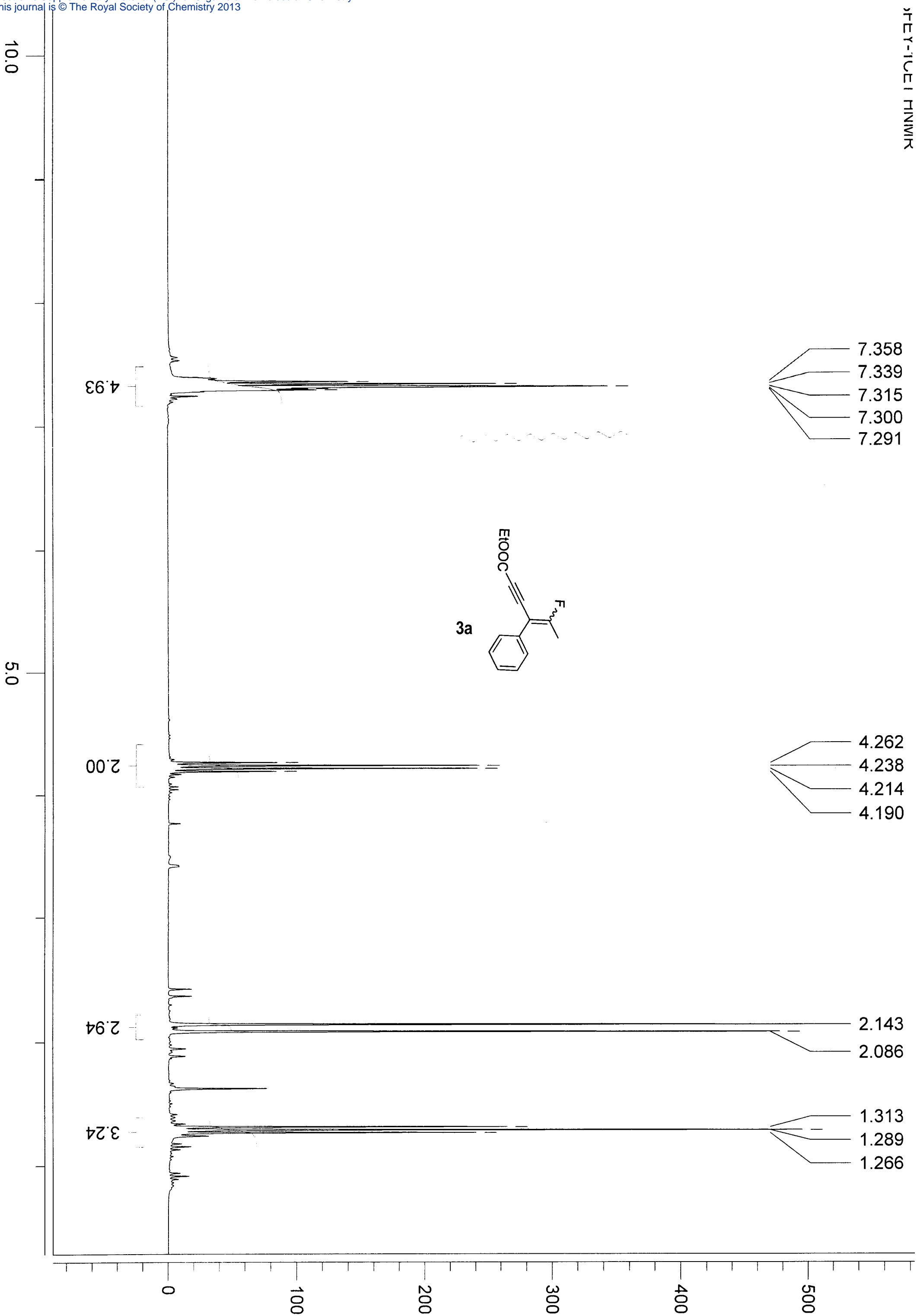
Chun-Ru Cao, Song Ou, Min Jiang and Jin-Tao Liu*

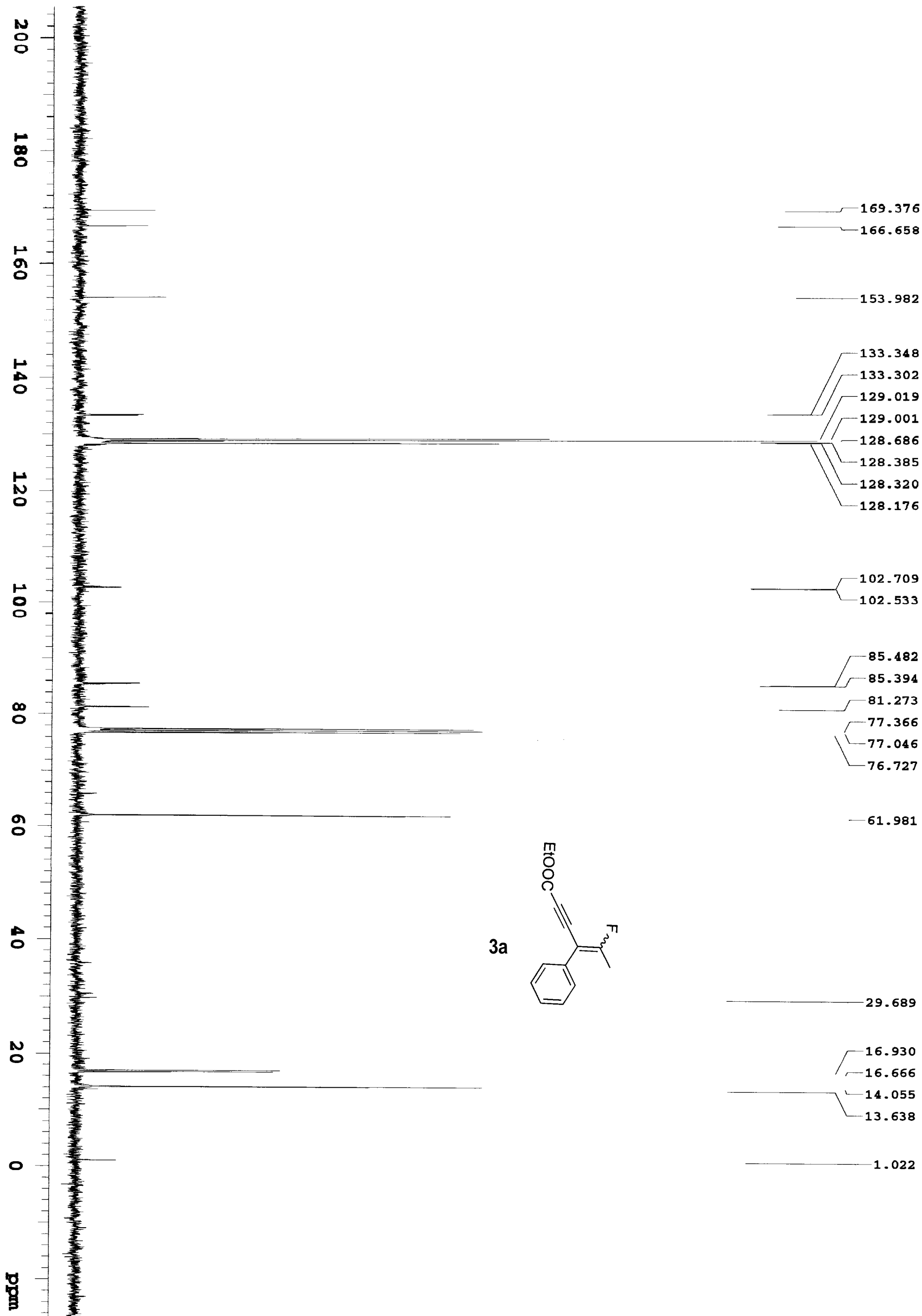
*Key Laboratory of Organofluorine Chemistry, Shanghai Institute of Organic Chemistry,
Chinese Academy of Sciences, 345 Lingling Lu, Shanghai 200032, China*

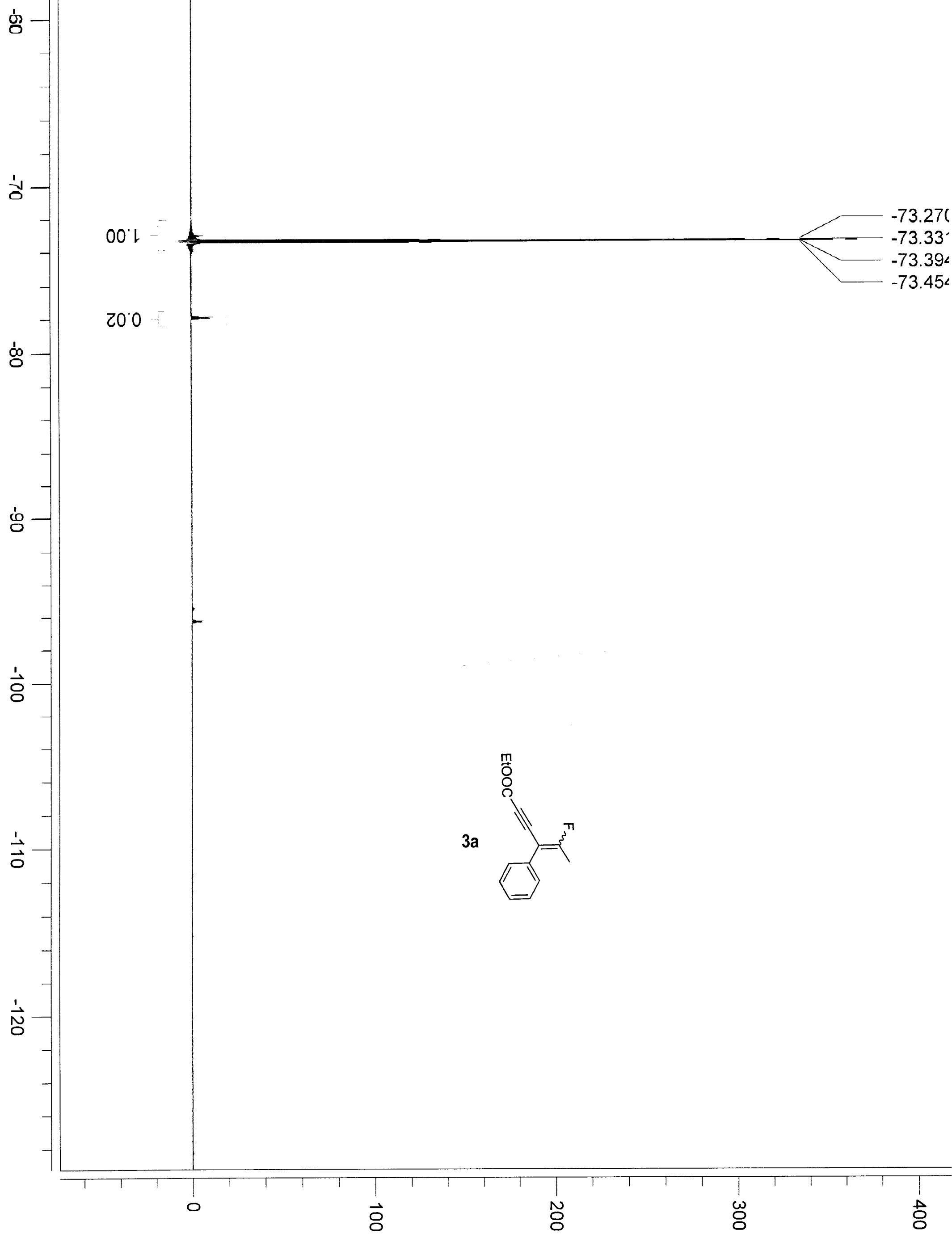
jtliu@sioc.ac.cn

Contents

Spectra copies of 3	S2
Spectra copies of 5	S26
Copies of HOSEY	S44
Crude spectrum of decomposed product	S46



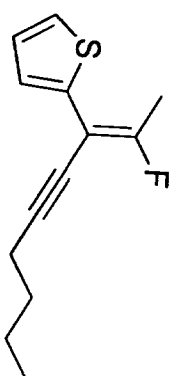




7.325
7.313
7.267
7.253

2.465
2.443
2.420
2.353
2.341
2.297
2.285
1.640
1.630
1.614
1.607
1.591
1.568
1.539
1.515
1.499
1.489
1.475
1.465
1.443
1.267
0.989
0.976
0.965

3b



2.00
0.98

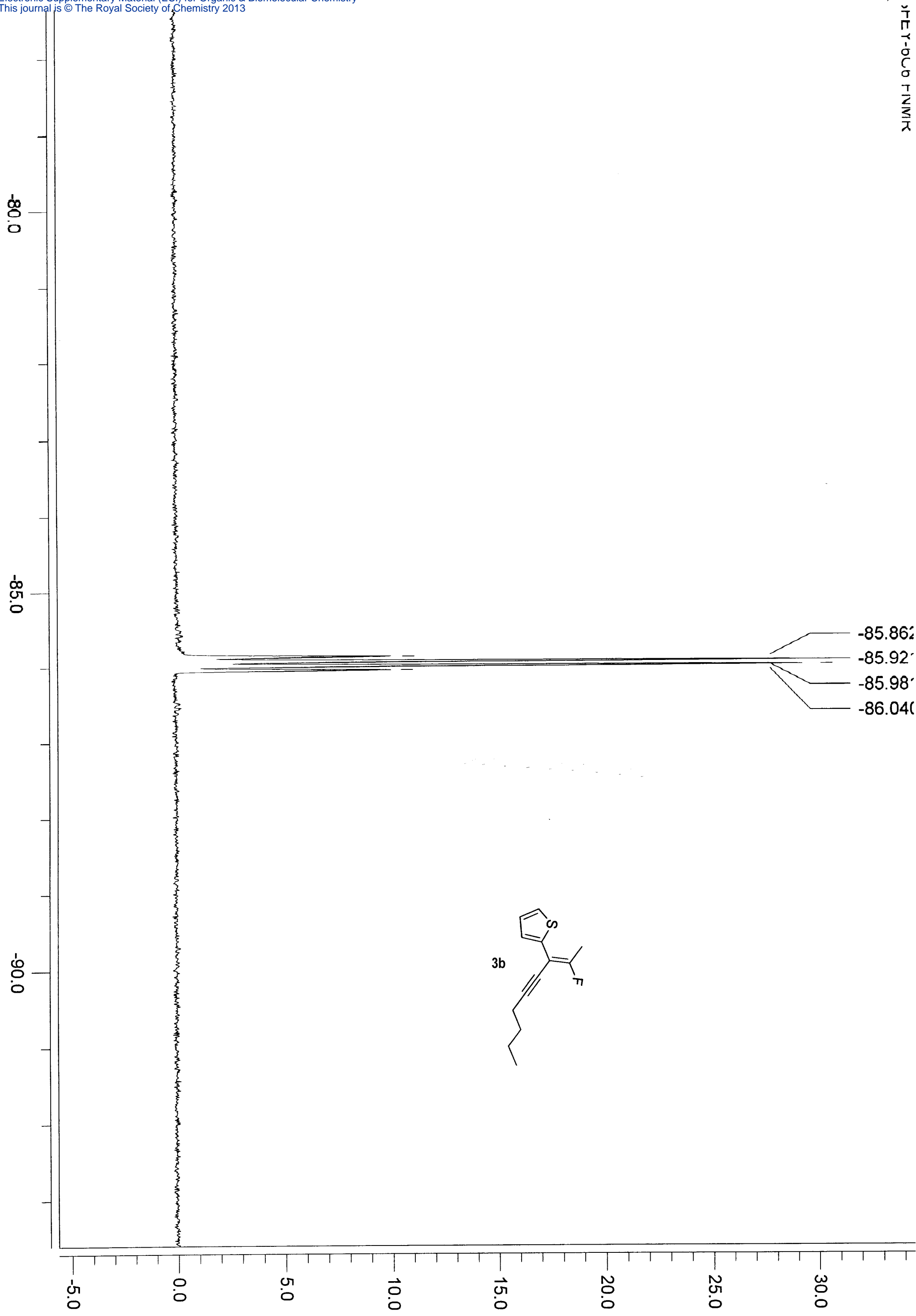
1.94
3.07

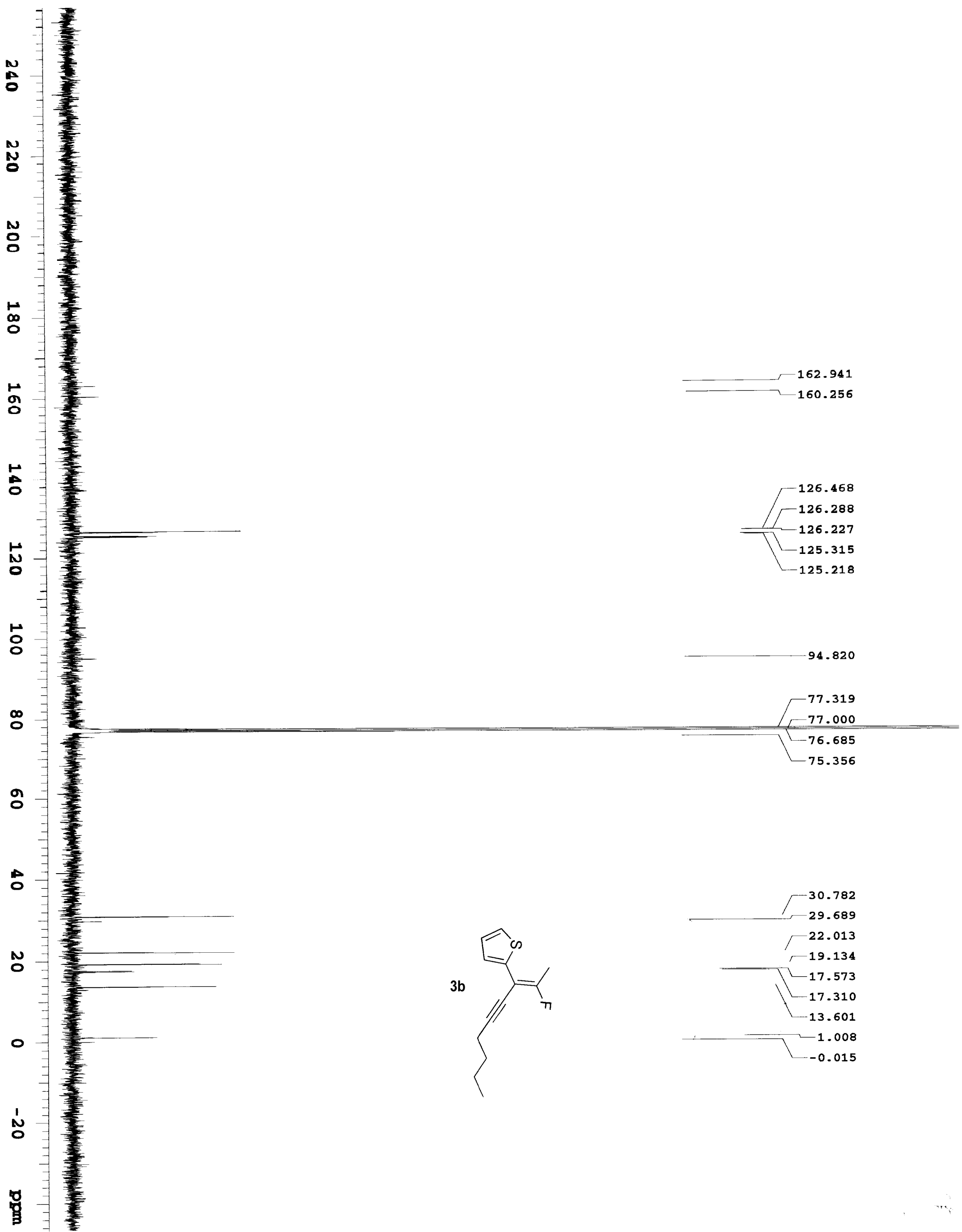
4.78

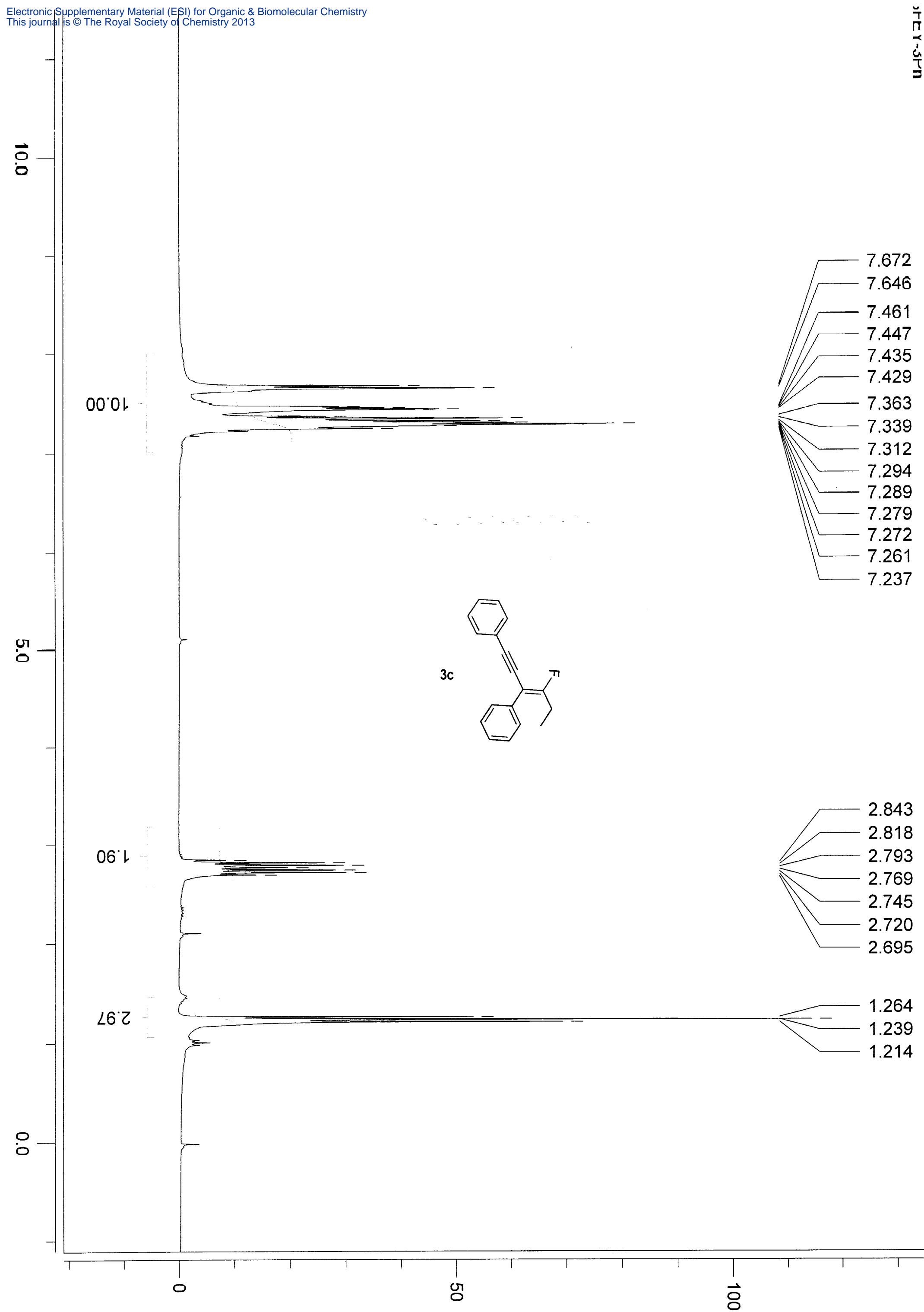
3.11

5.0

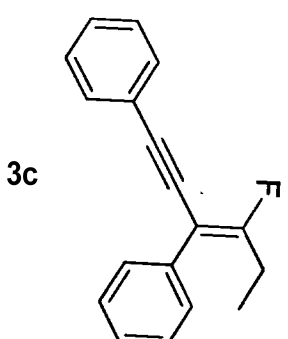
0.0

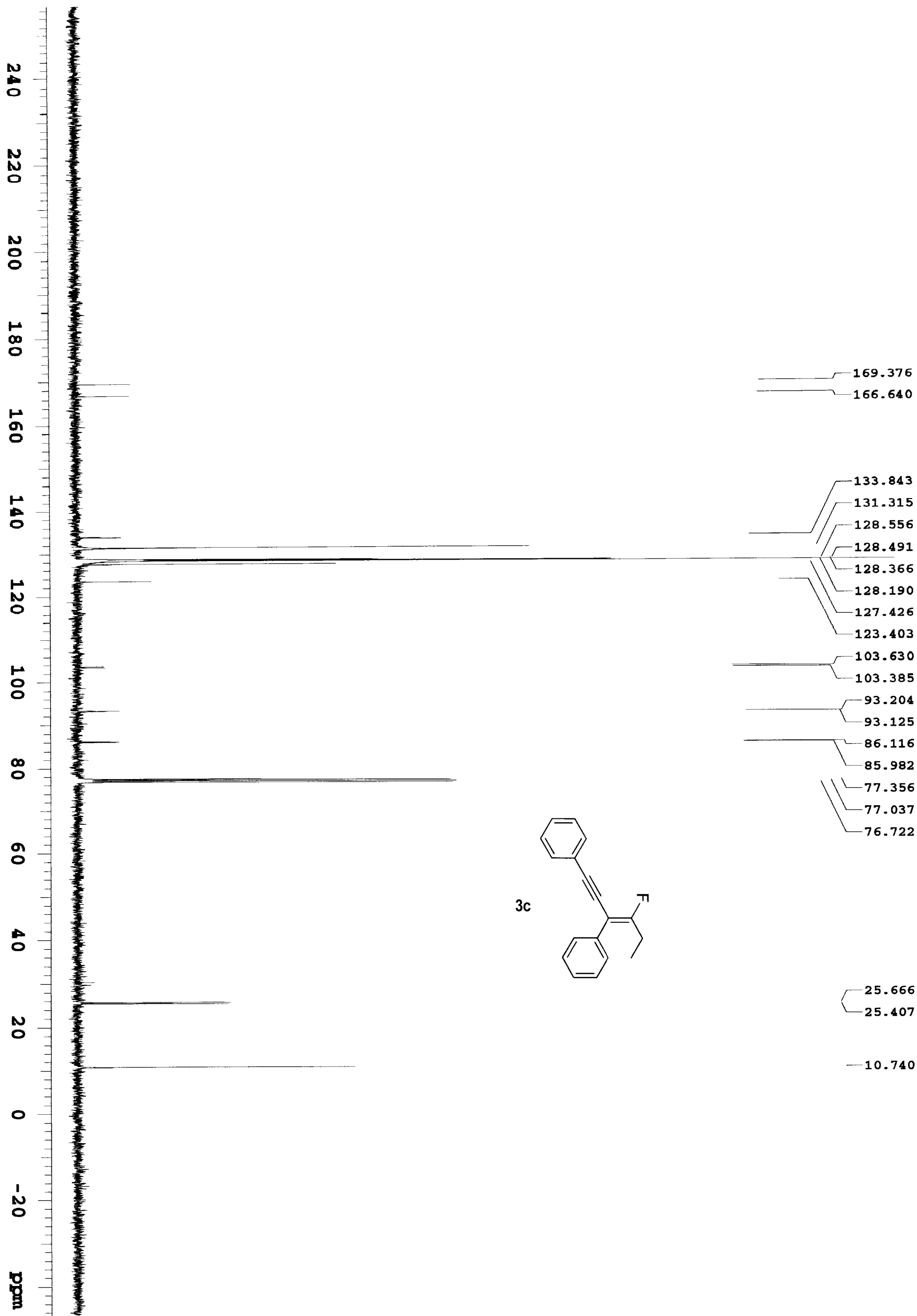






-97.623
-97.699
-97.777





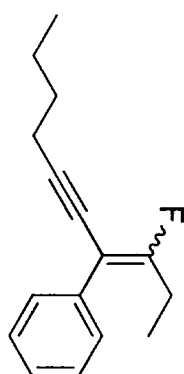
7.599
7.574
7.549
7.320
7.301
7.276
7.200

2.720
2.694
2.669
2.646
2.621
2.596
2.364
2.340
2.318

1.566
1.542
1.518
1.494
1.468
1.444
1.419
1.395
1.210
1.185
1.160
1.142
1.134

0.964
0.936
0.911
0.886
0.869
0.862

3d



1.00

0.80

2.21

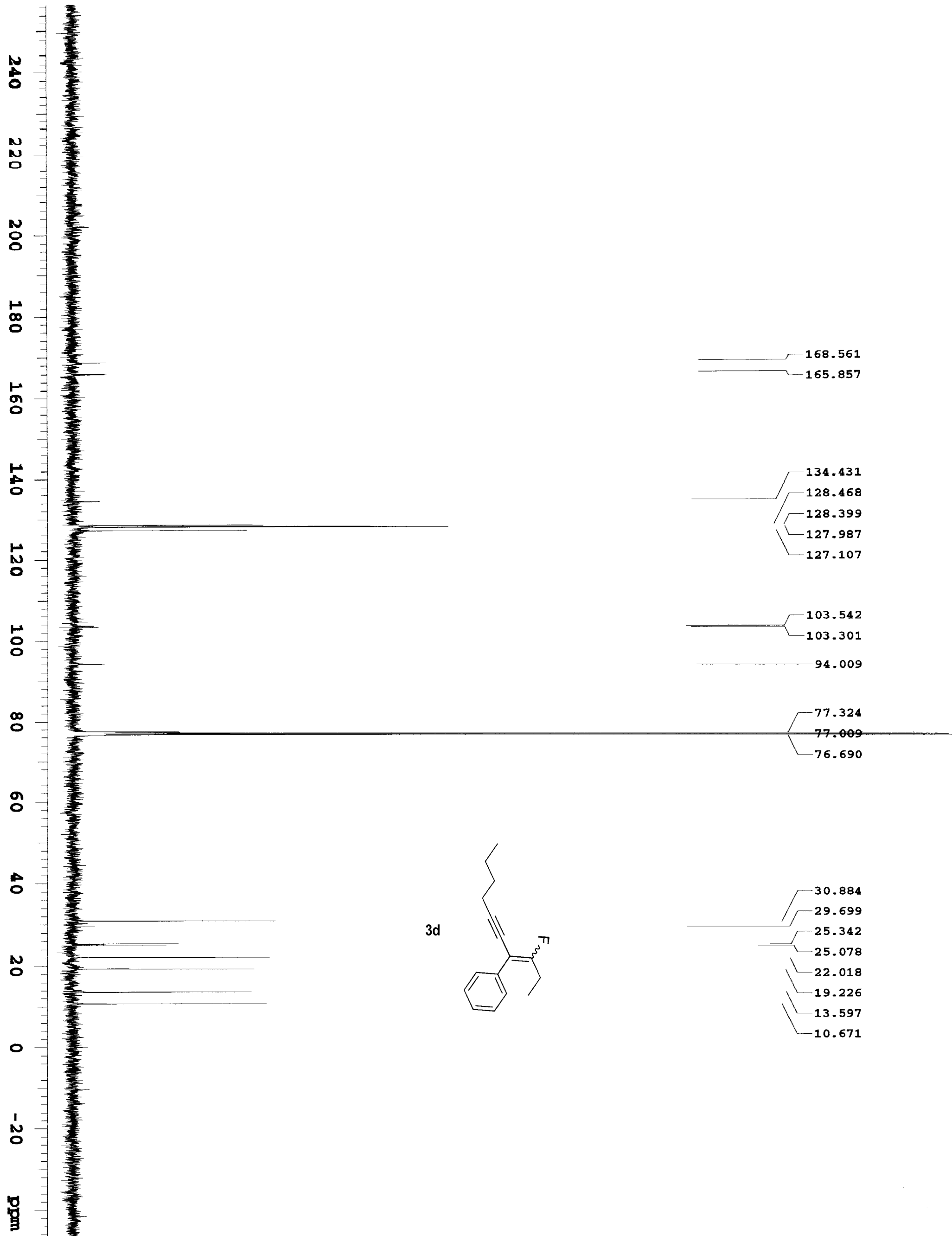
10.0

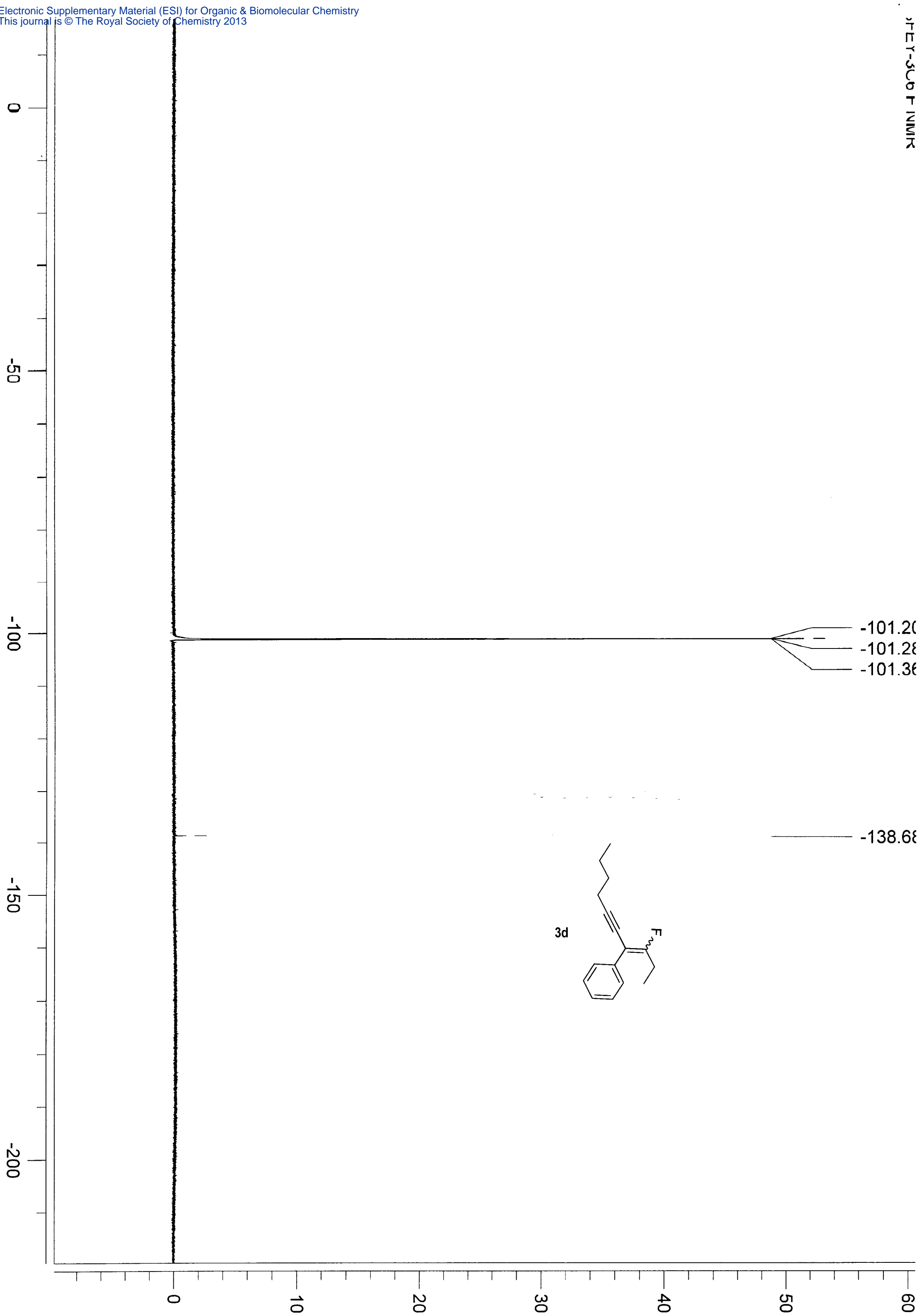
5.0

0.0

0

50





7.303
7.294
7.280
7.249
7.224

4.206
4.181
4.157
4.133

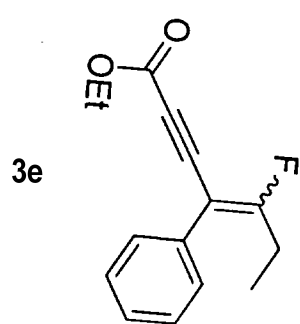
2.399
2.374
2.350
2.325
2.300
2.275
1.257
1.233
1.209
1.183
1.110
1.085
1.060

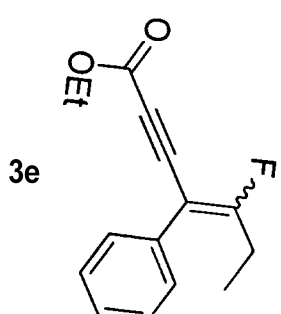
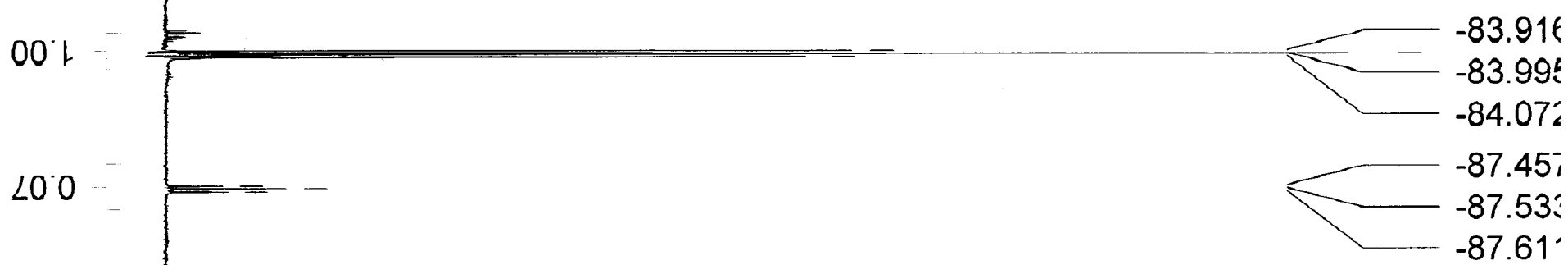
4.86

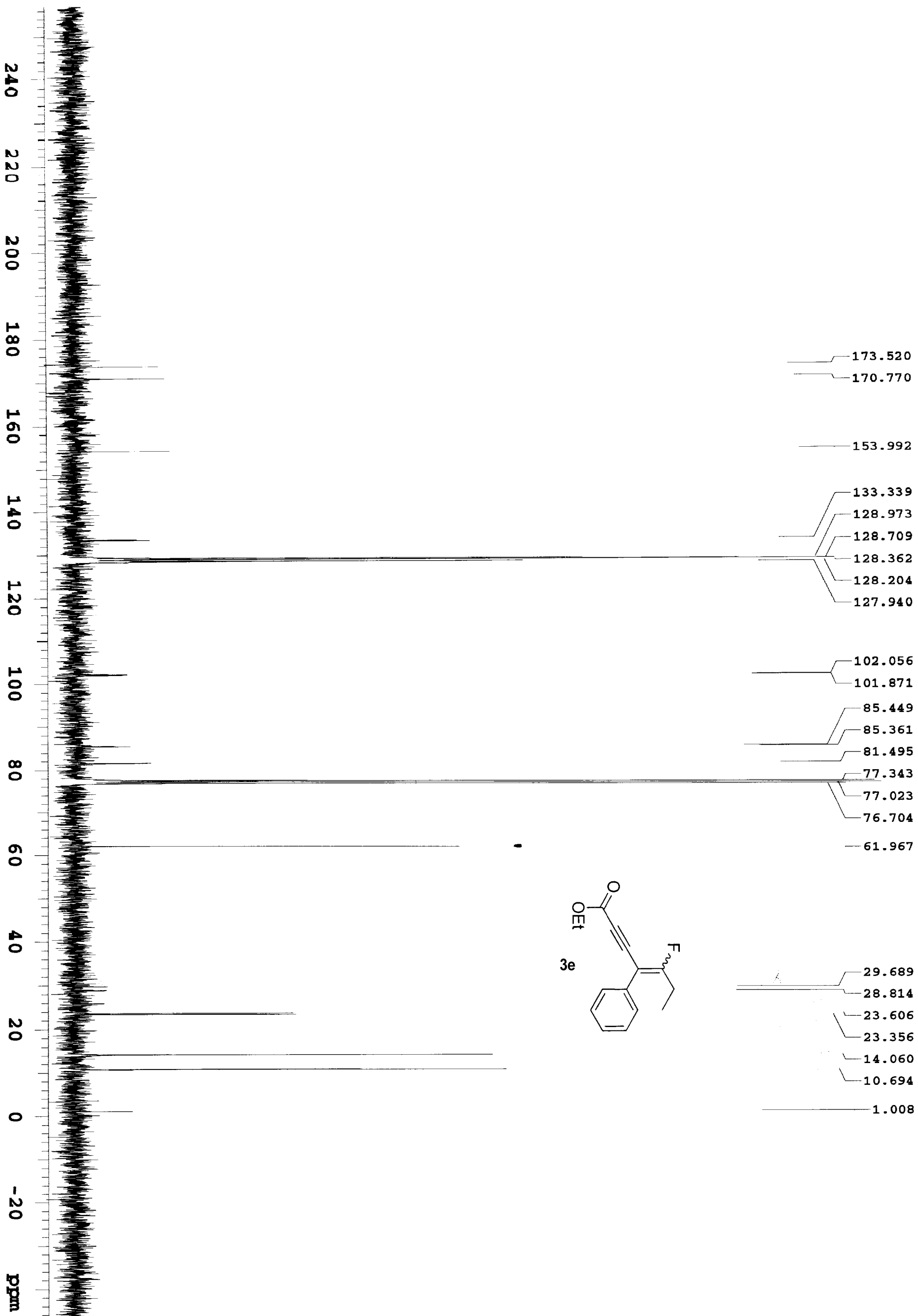
2.00

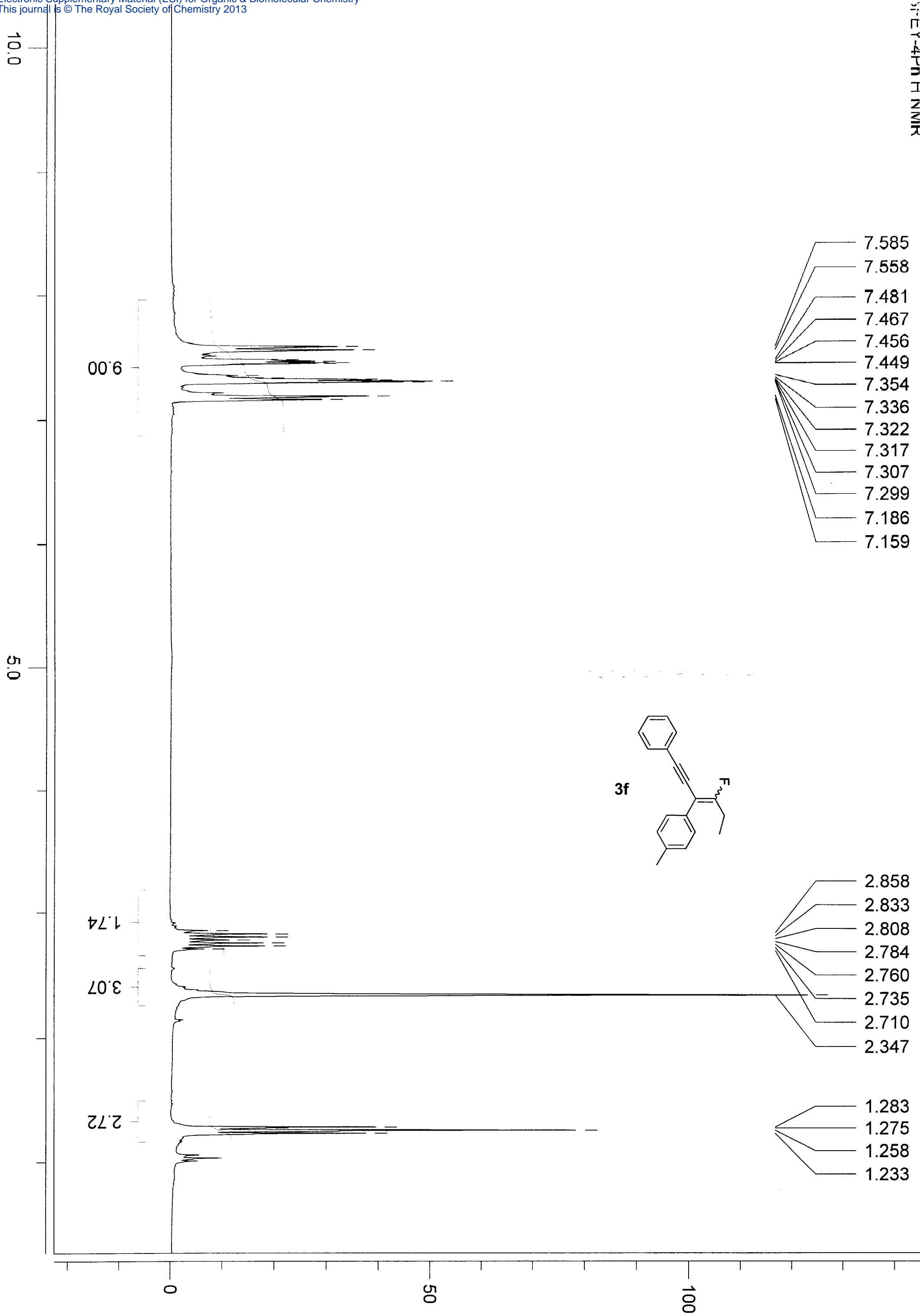
1.81

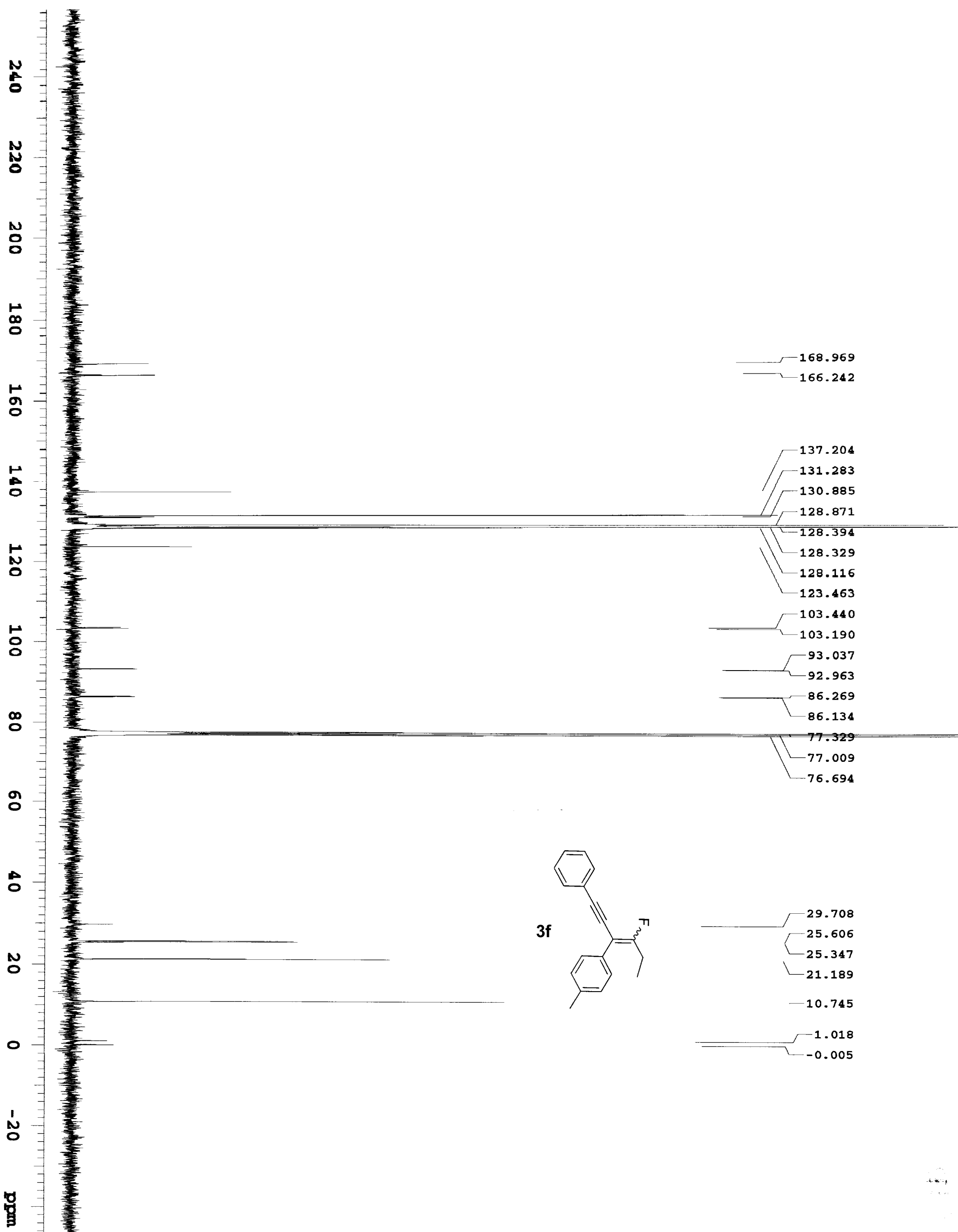
7.00

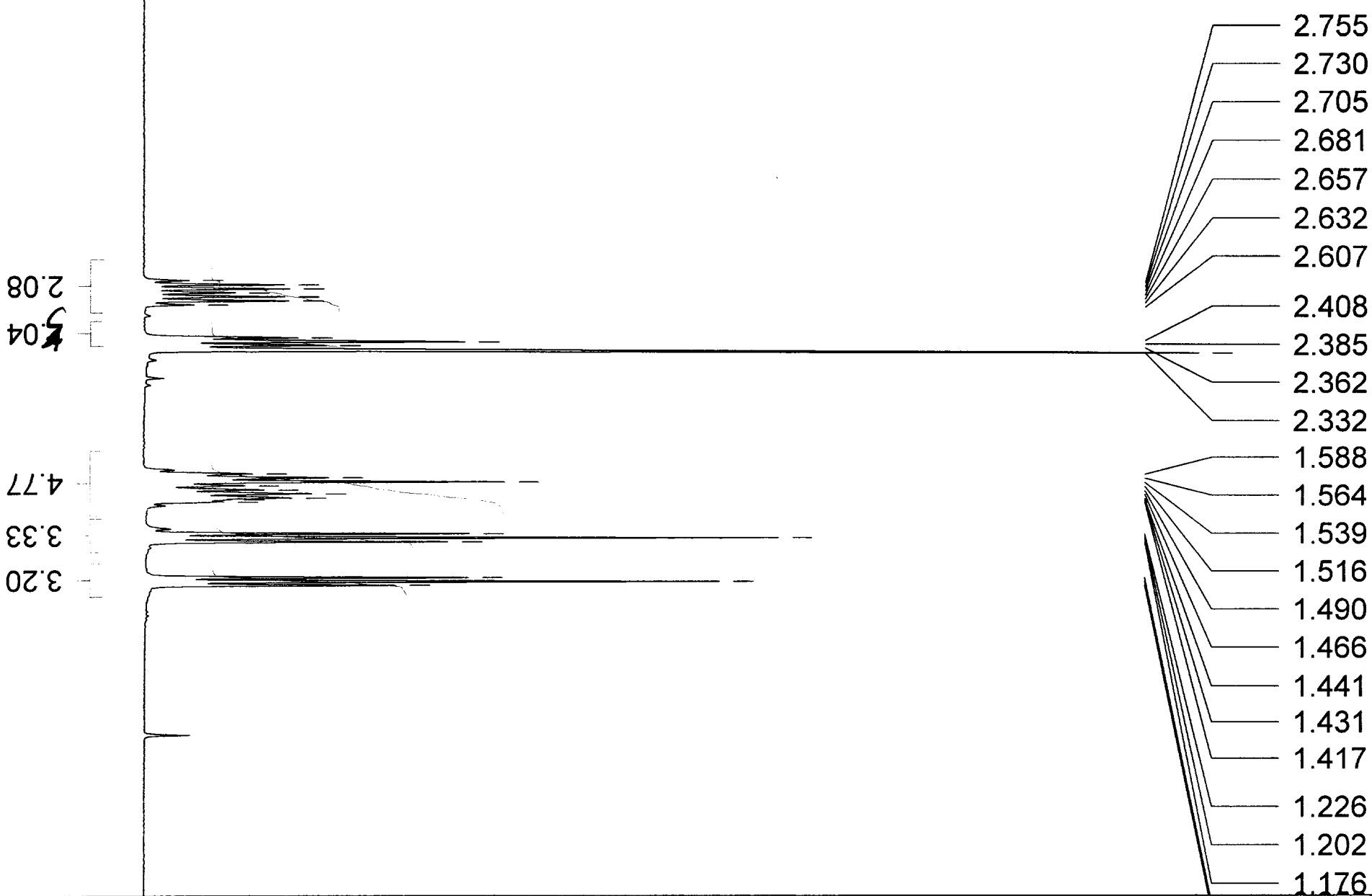
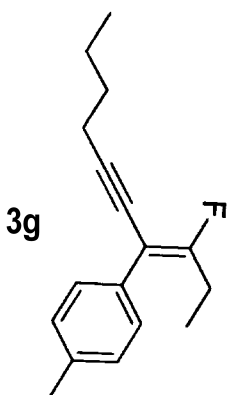


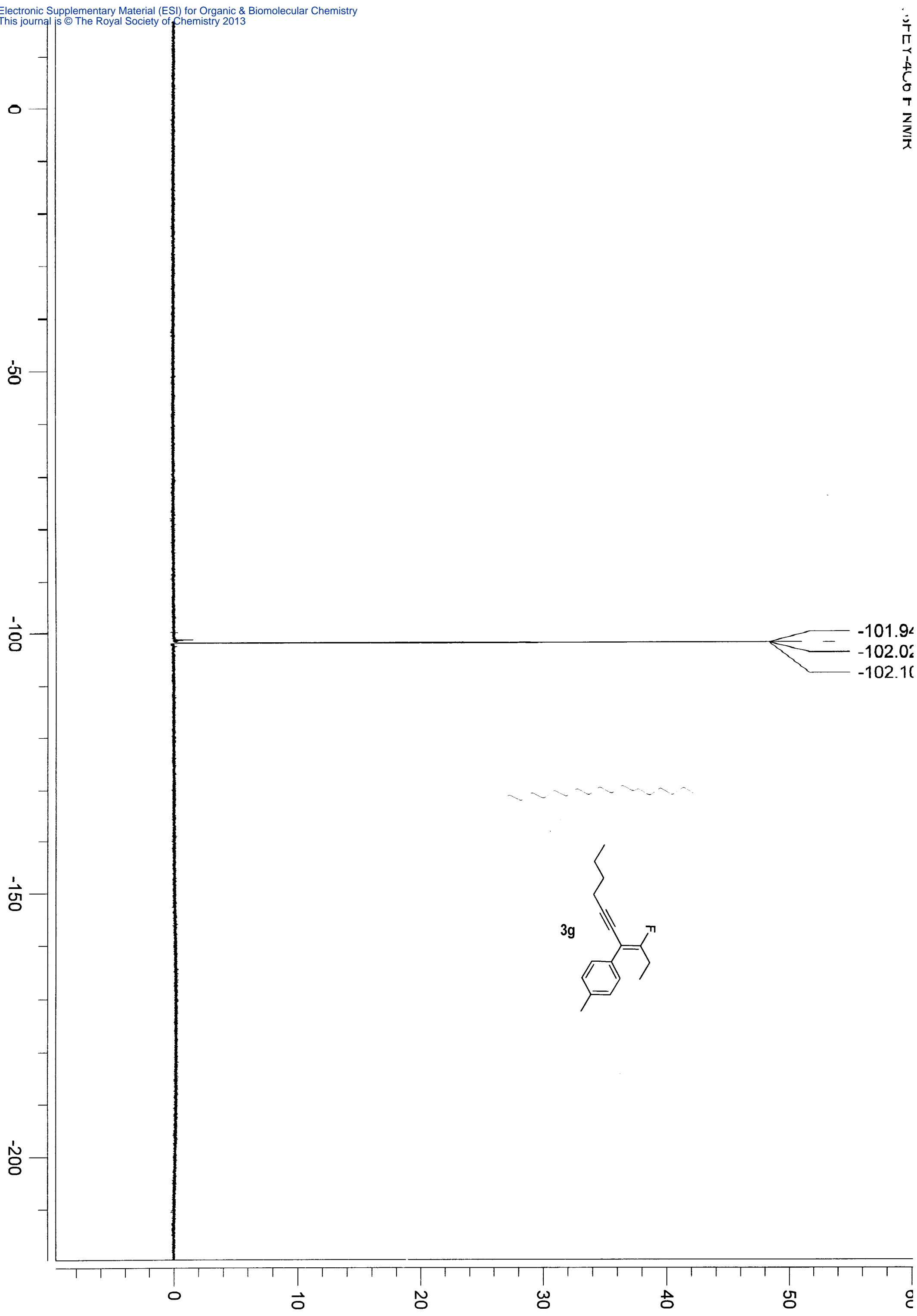


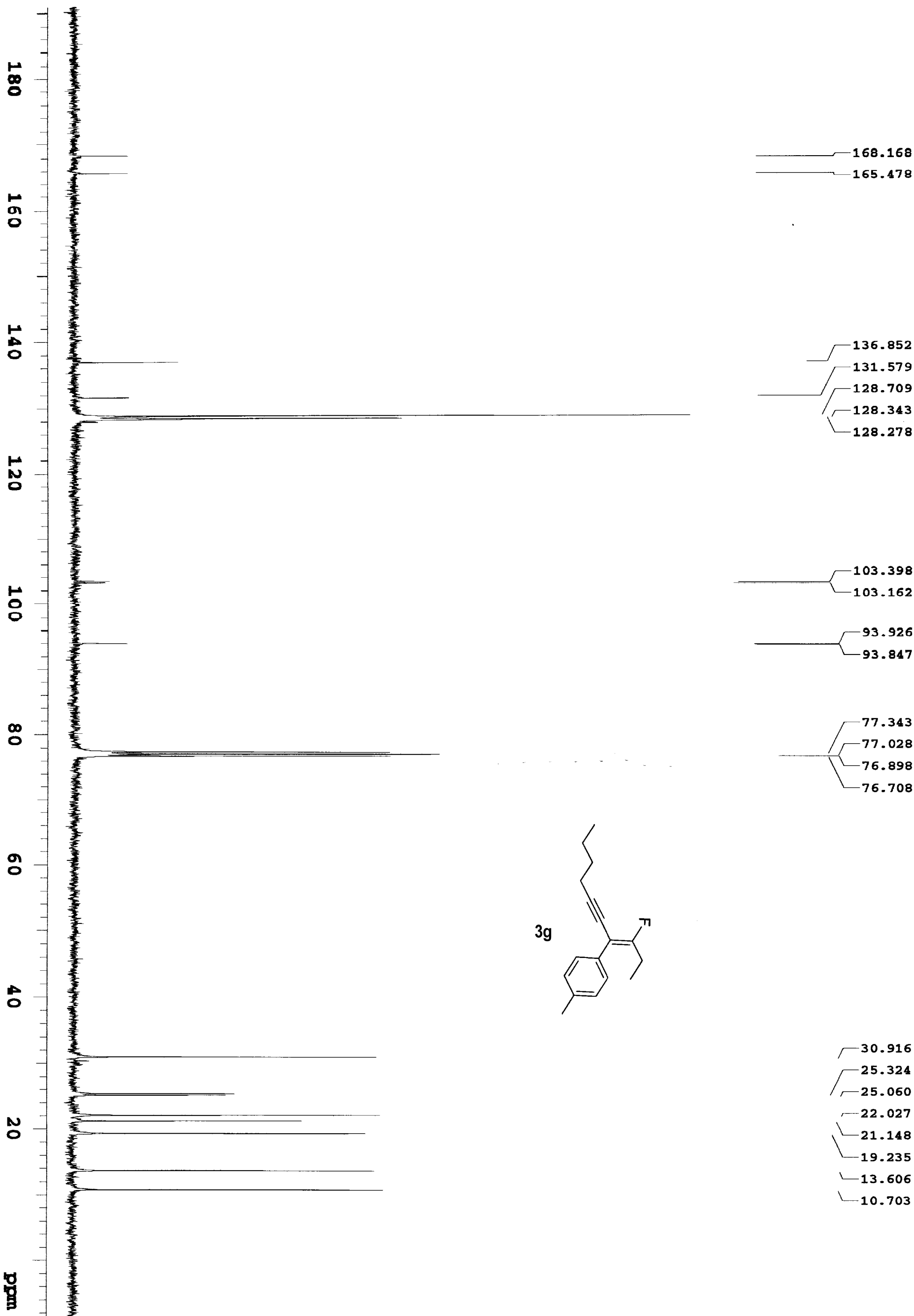




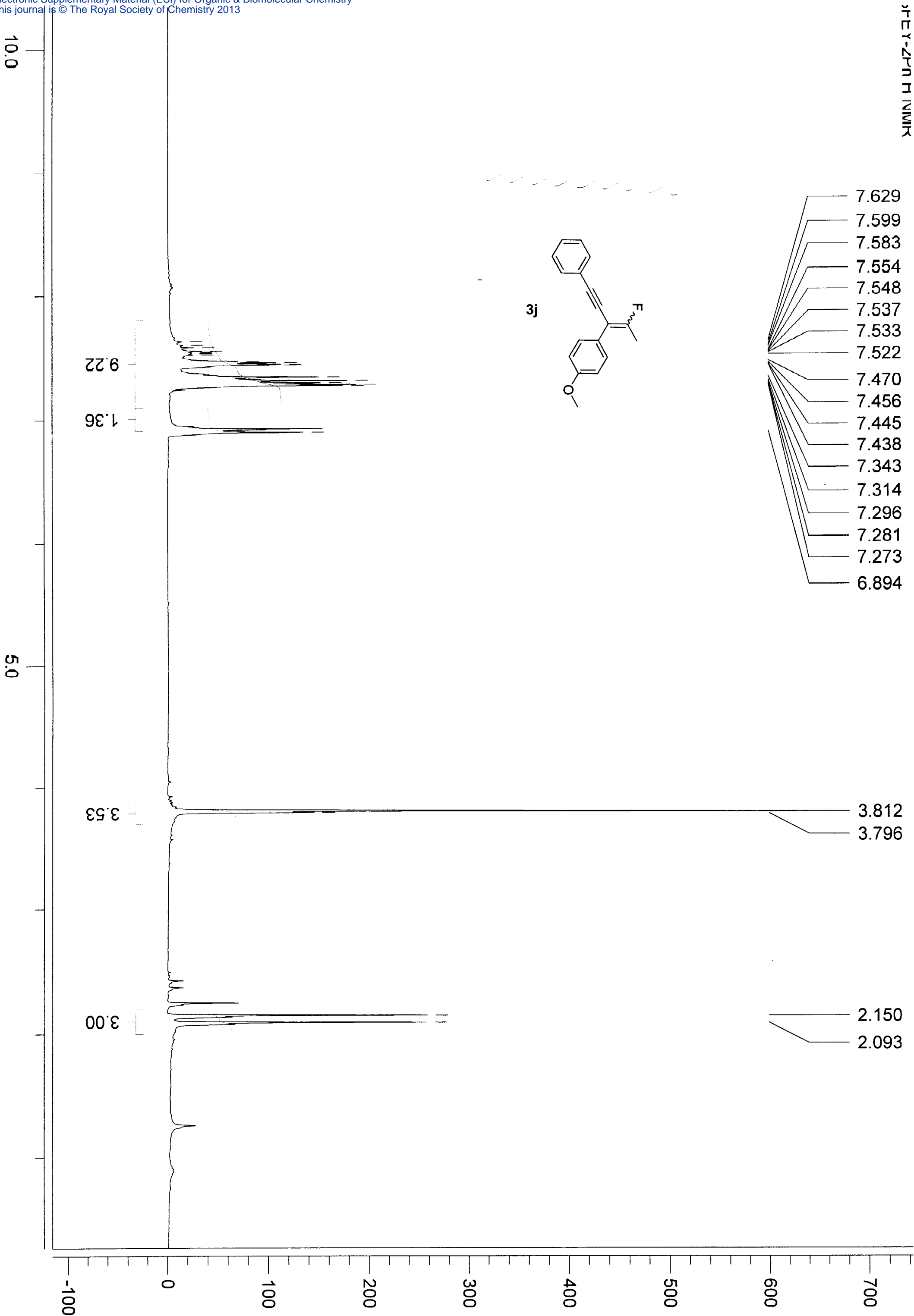
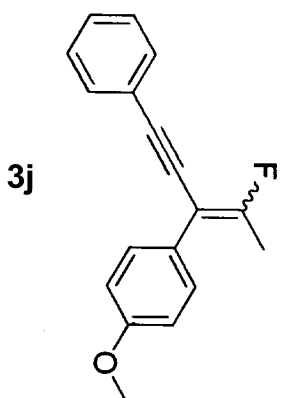


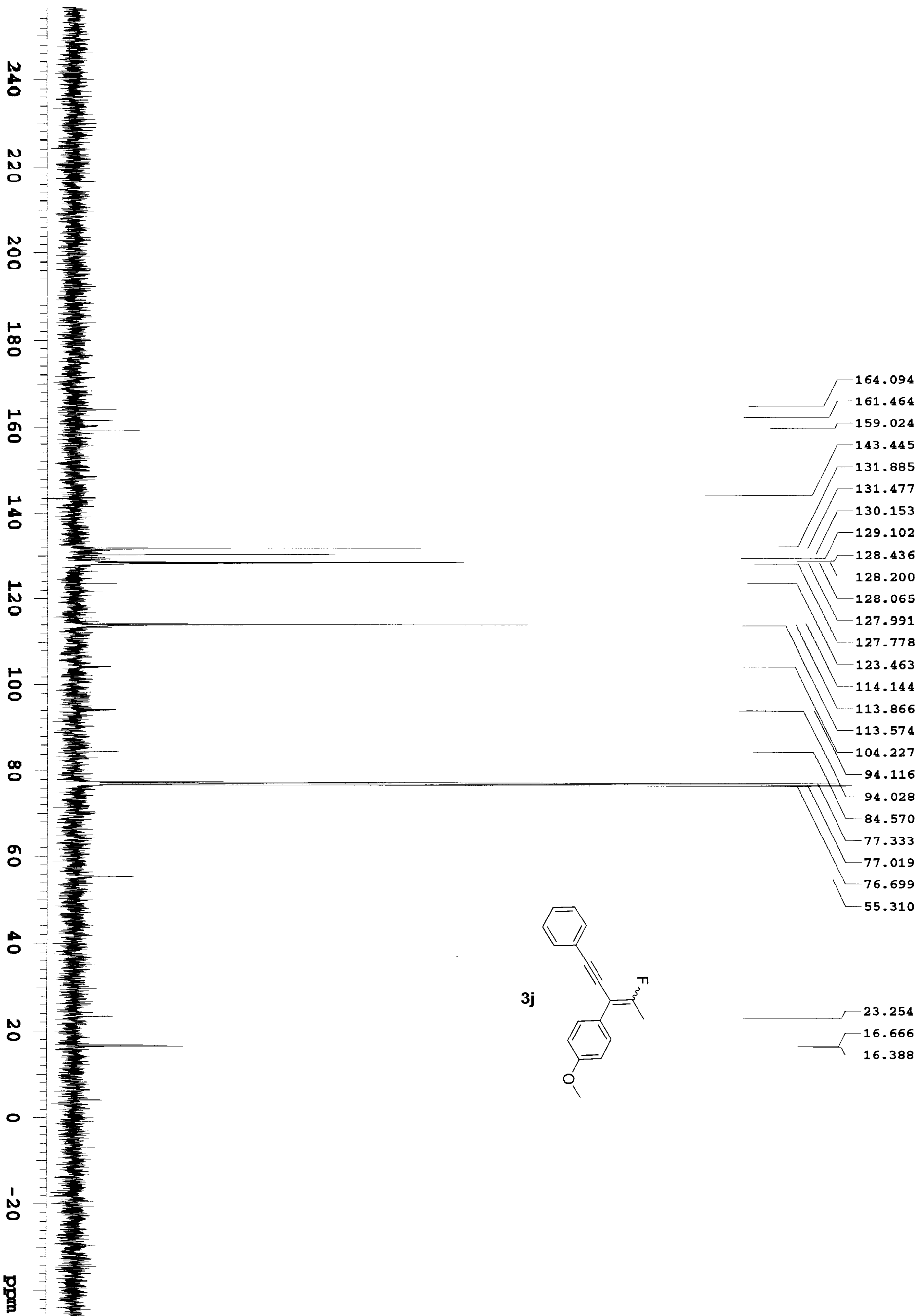


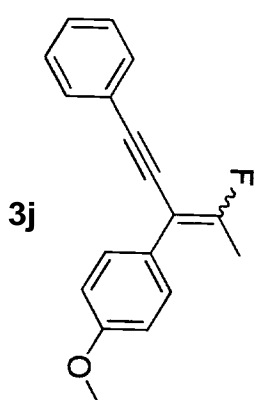


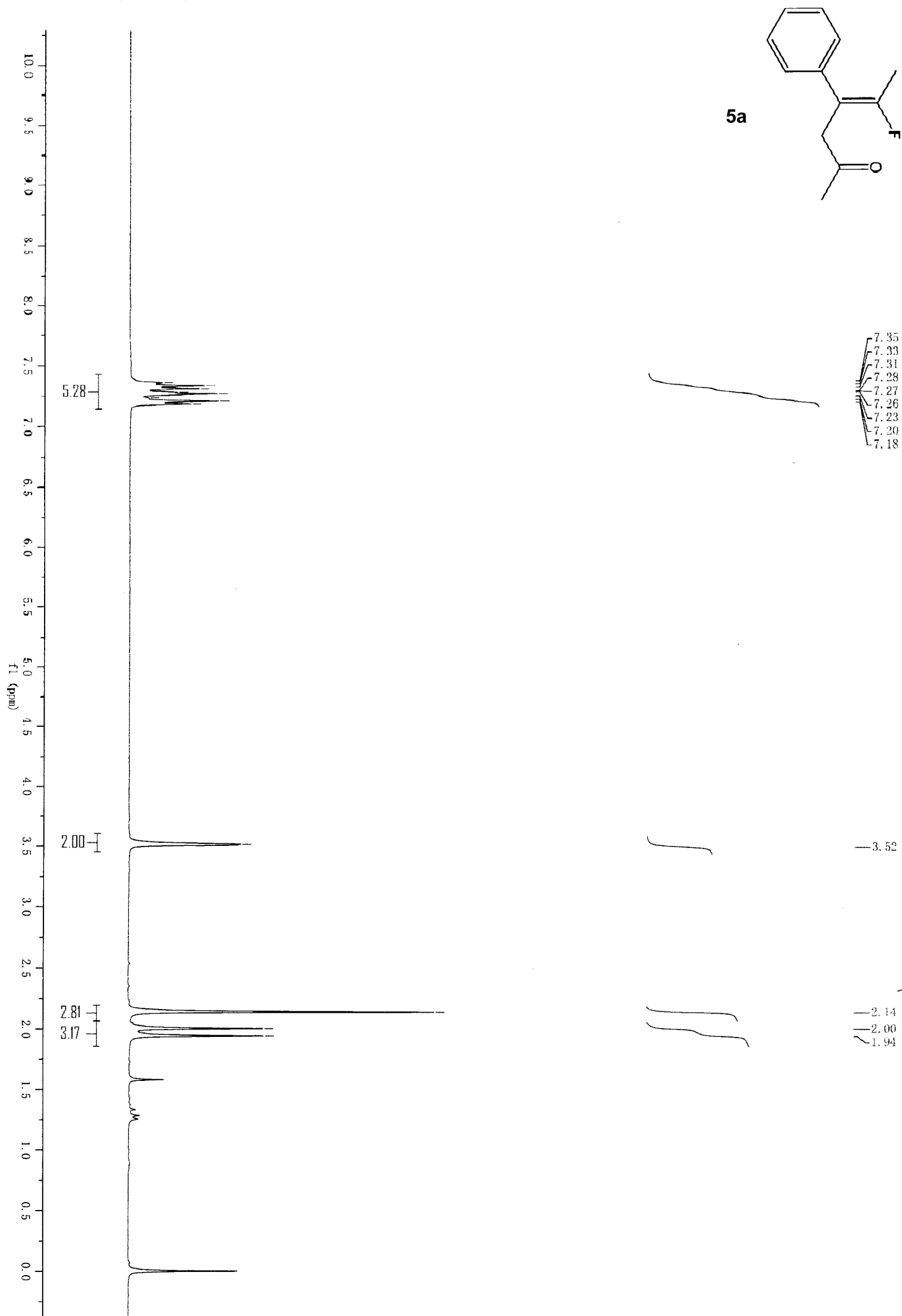


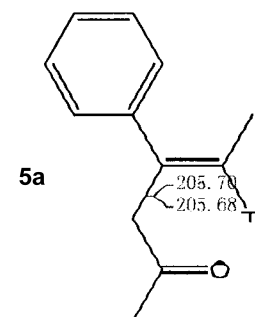
Page 10 of 10











157.65
155.14

138.27
138.18

128.75
128.72
128.39
127.15

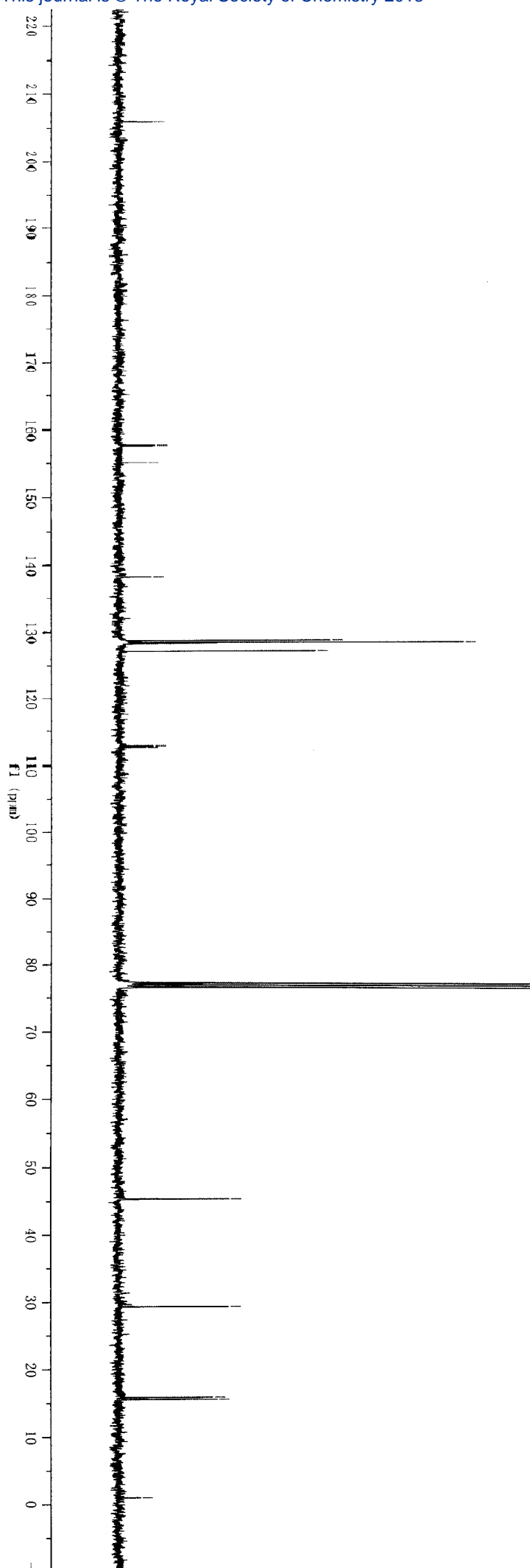
112.88
112.69

45.39
45.33

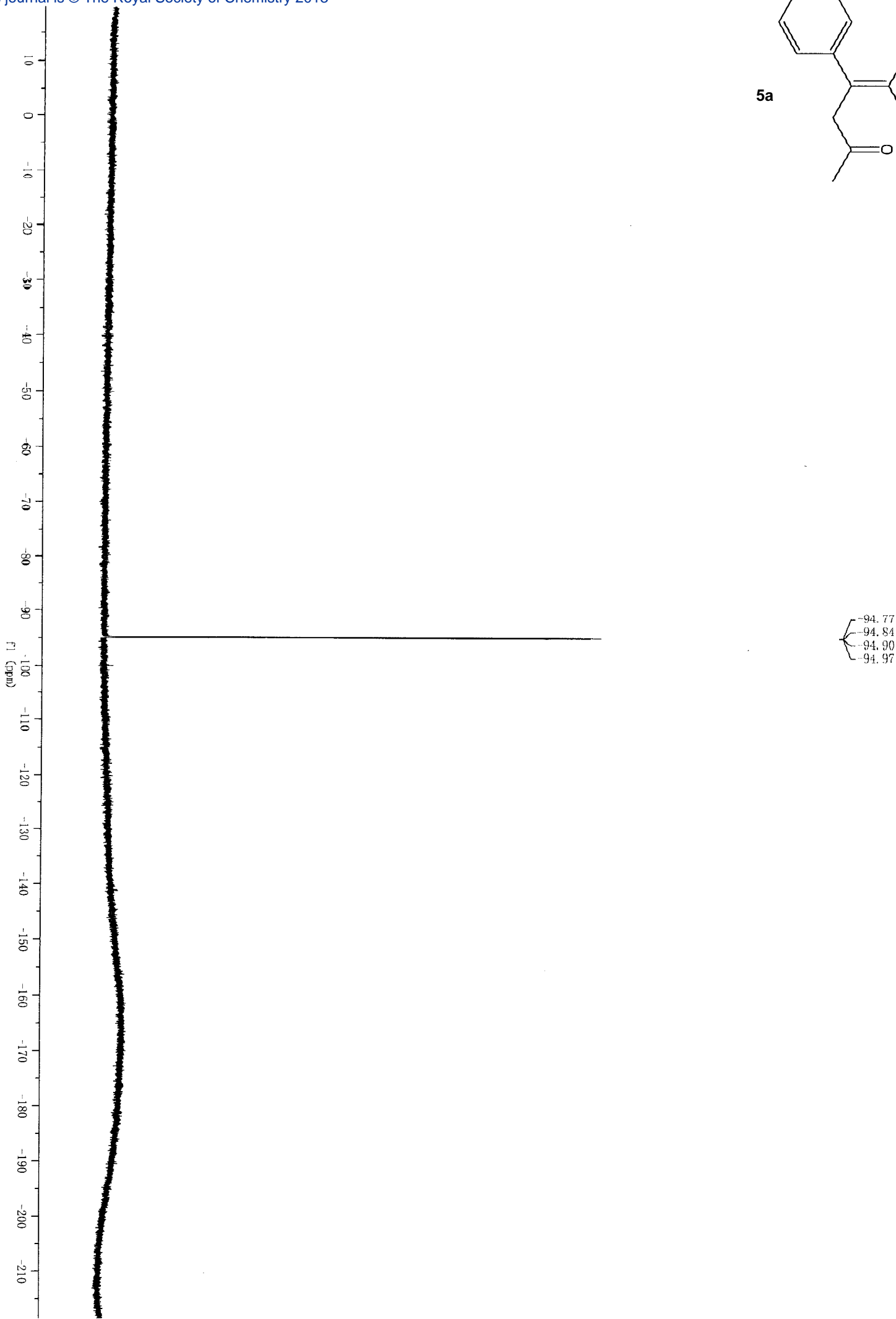
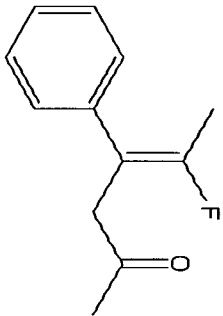
29.32

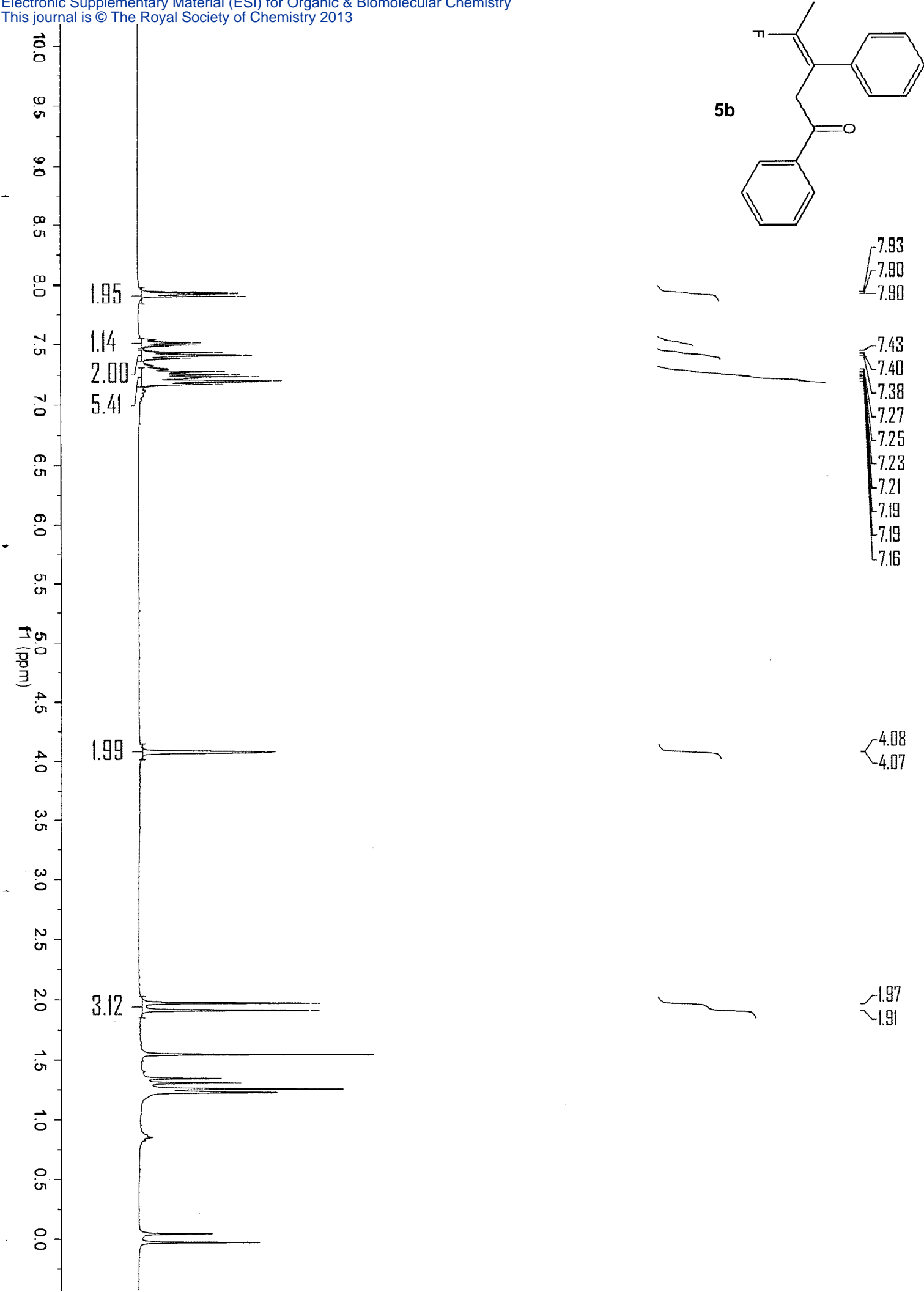
15.86
15.56

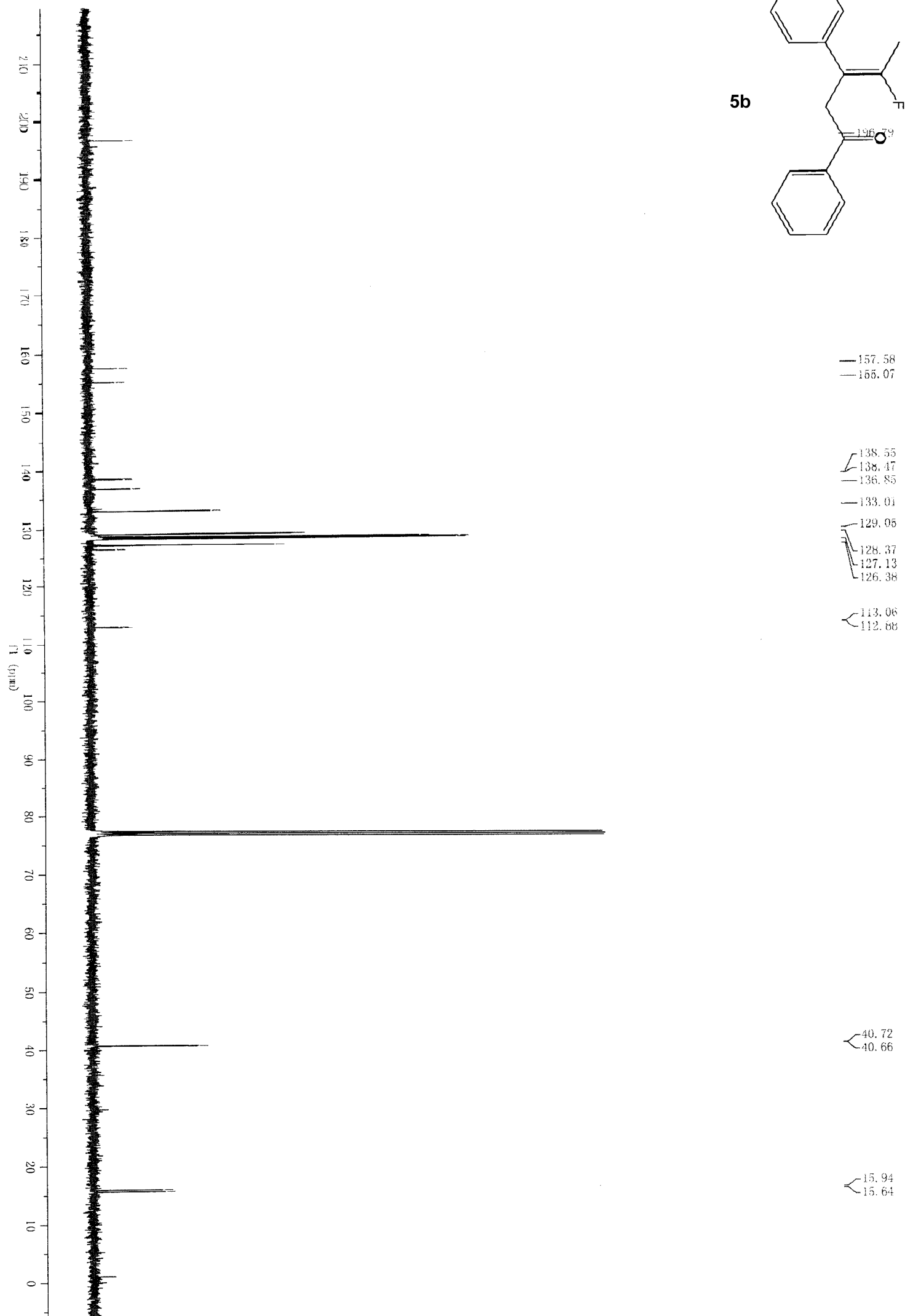
0.97

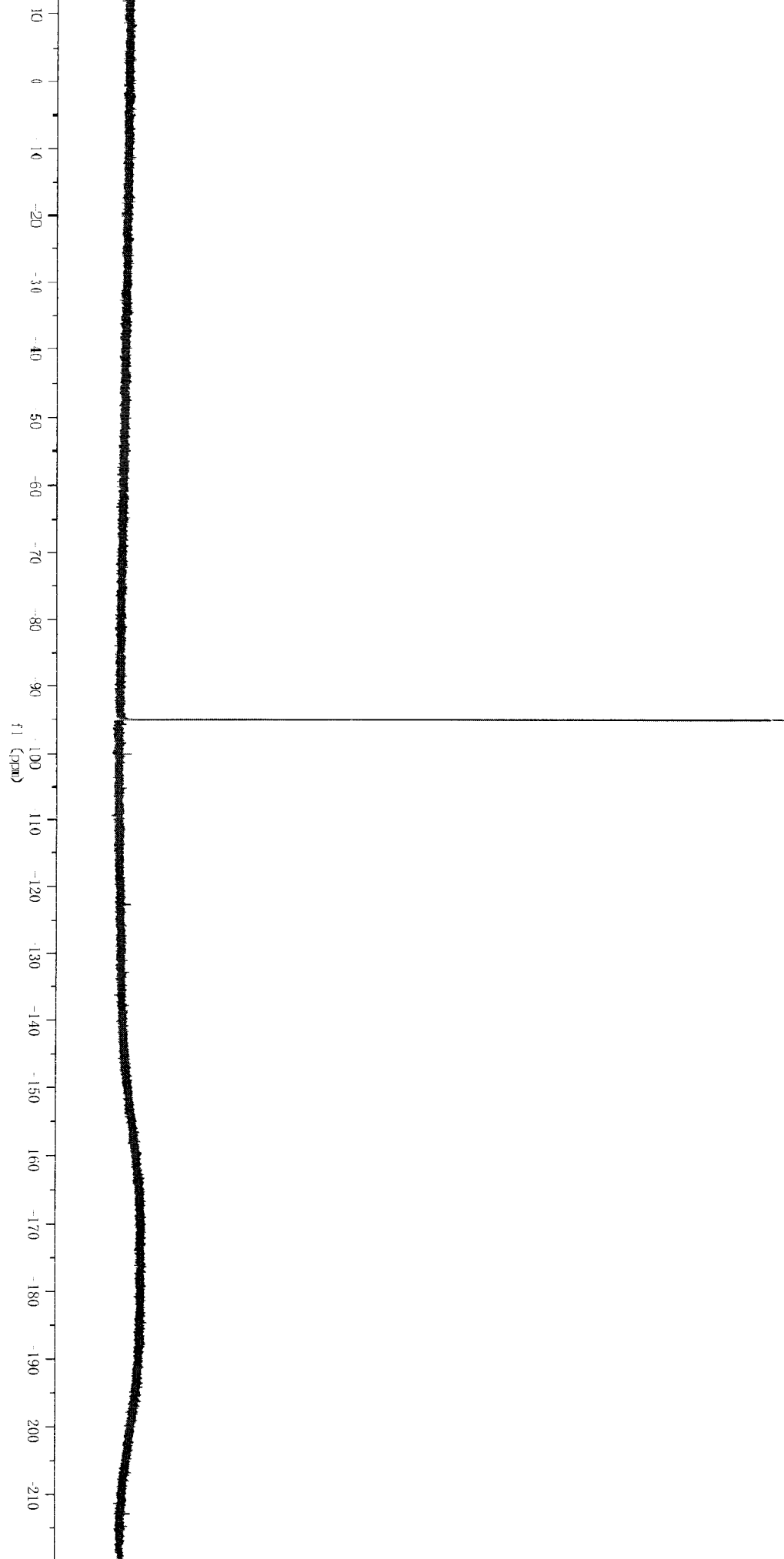


5a

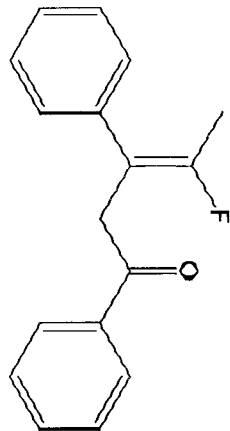




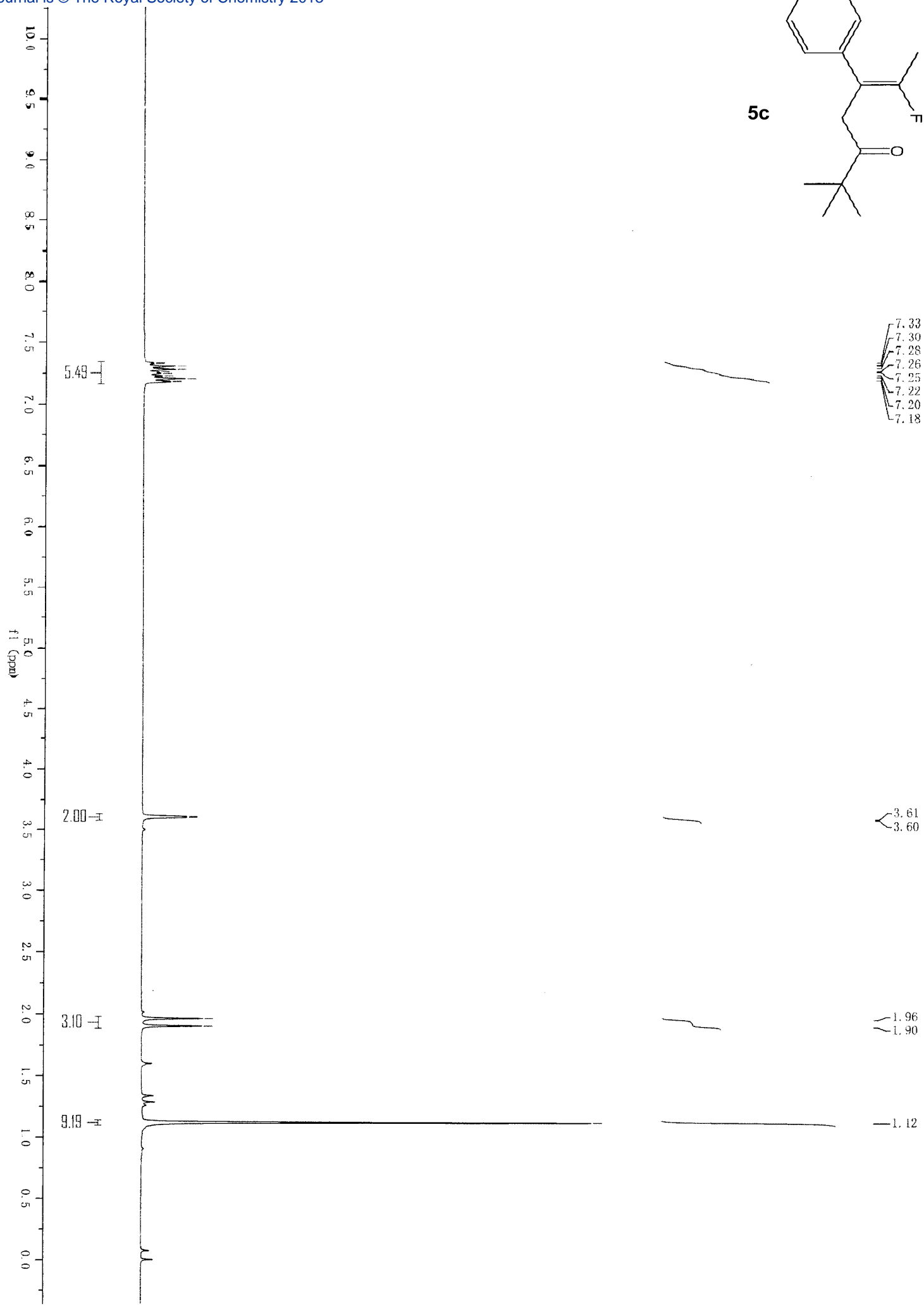


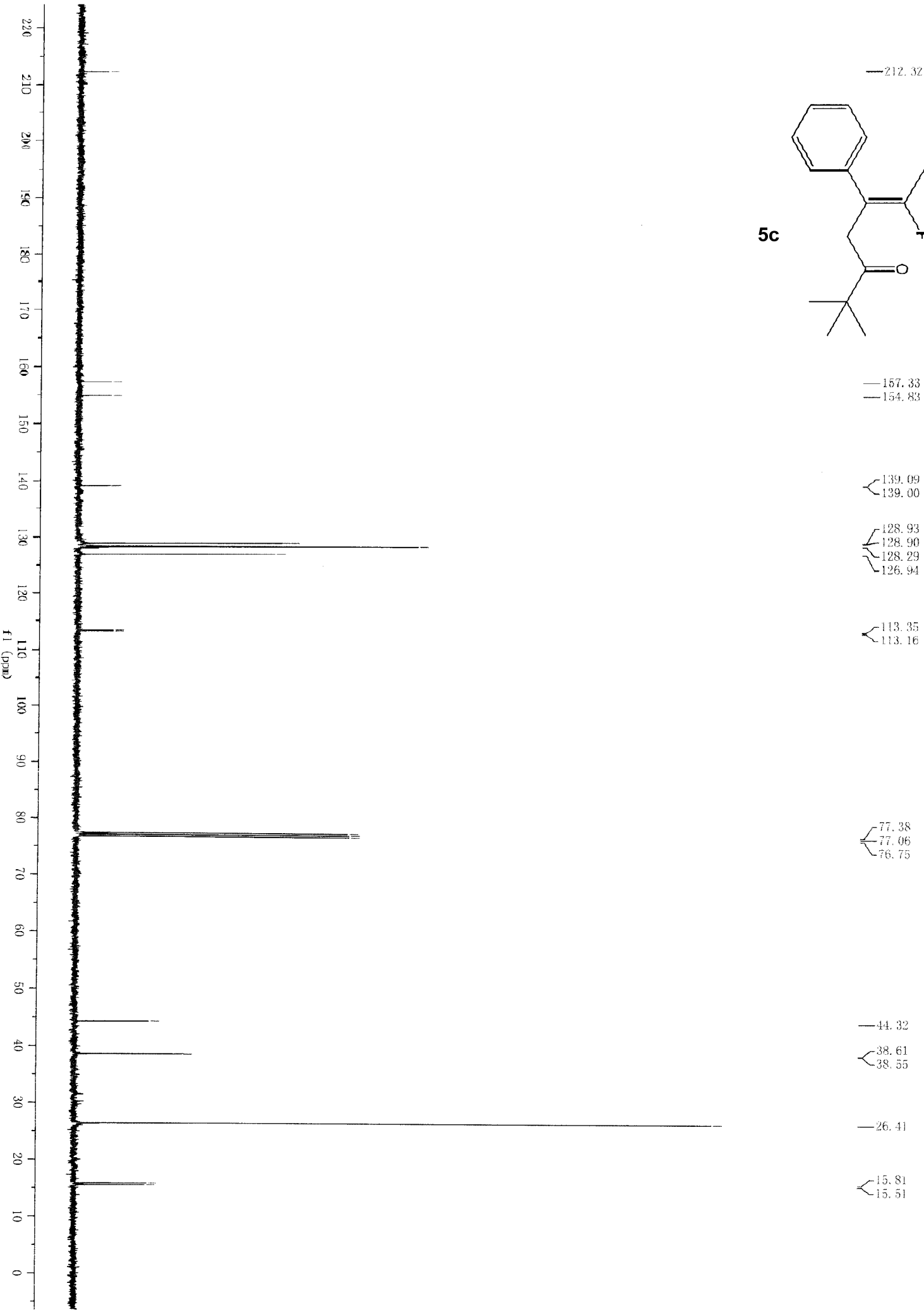


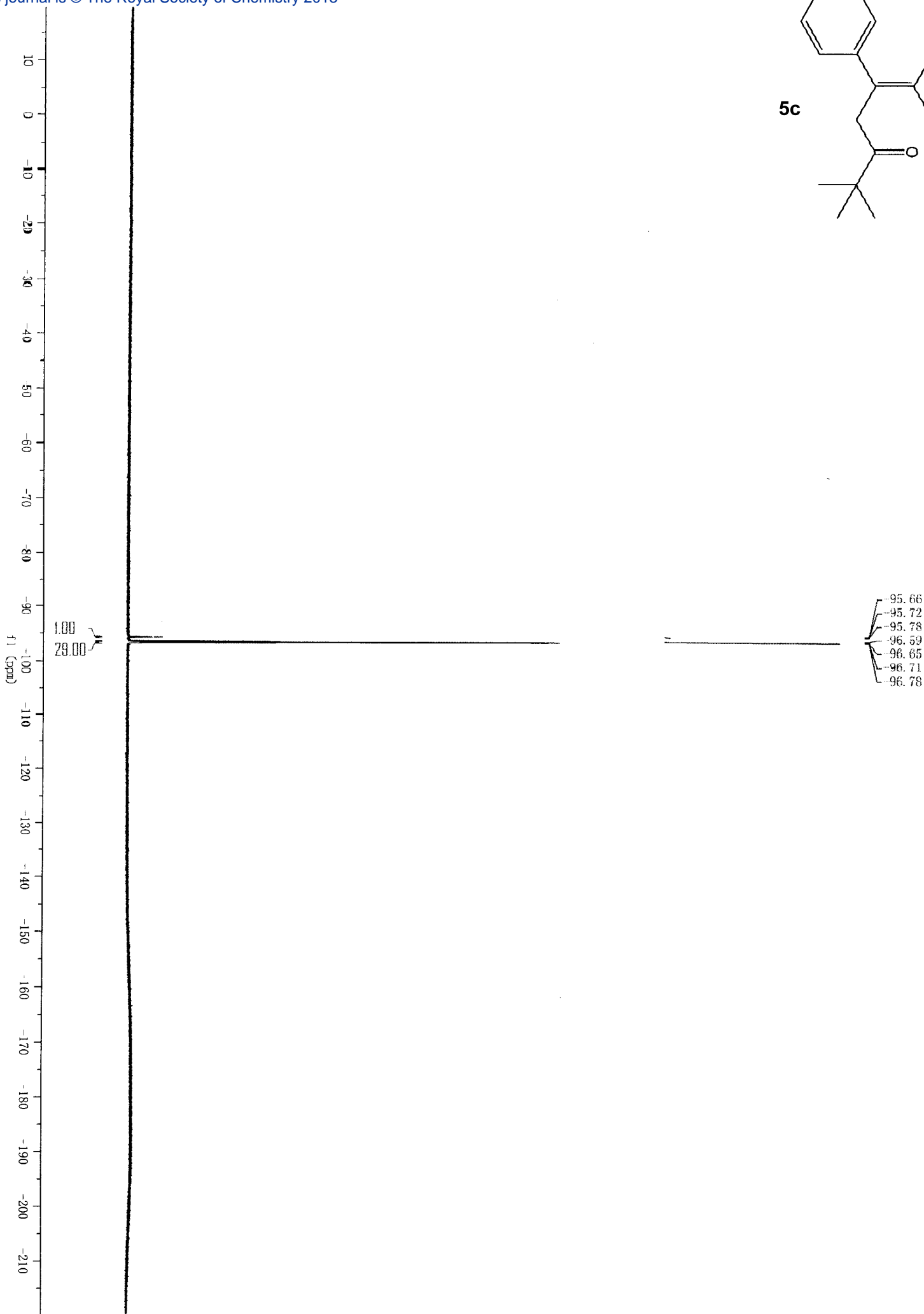
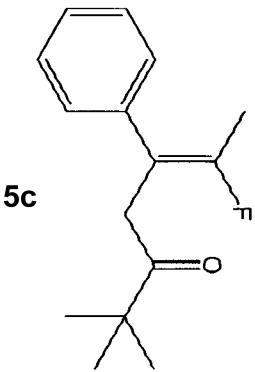
5b

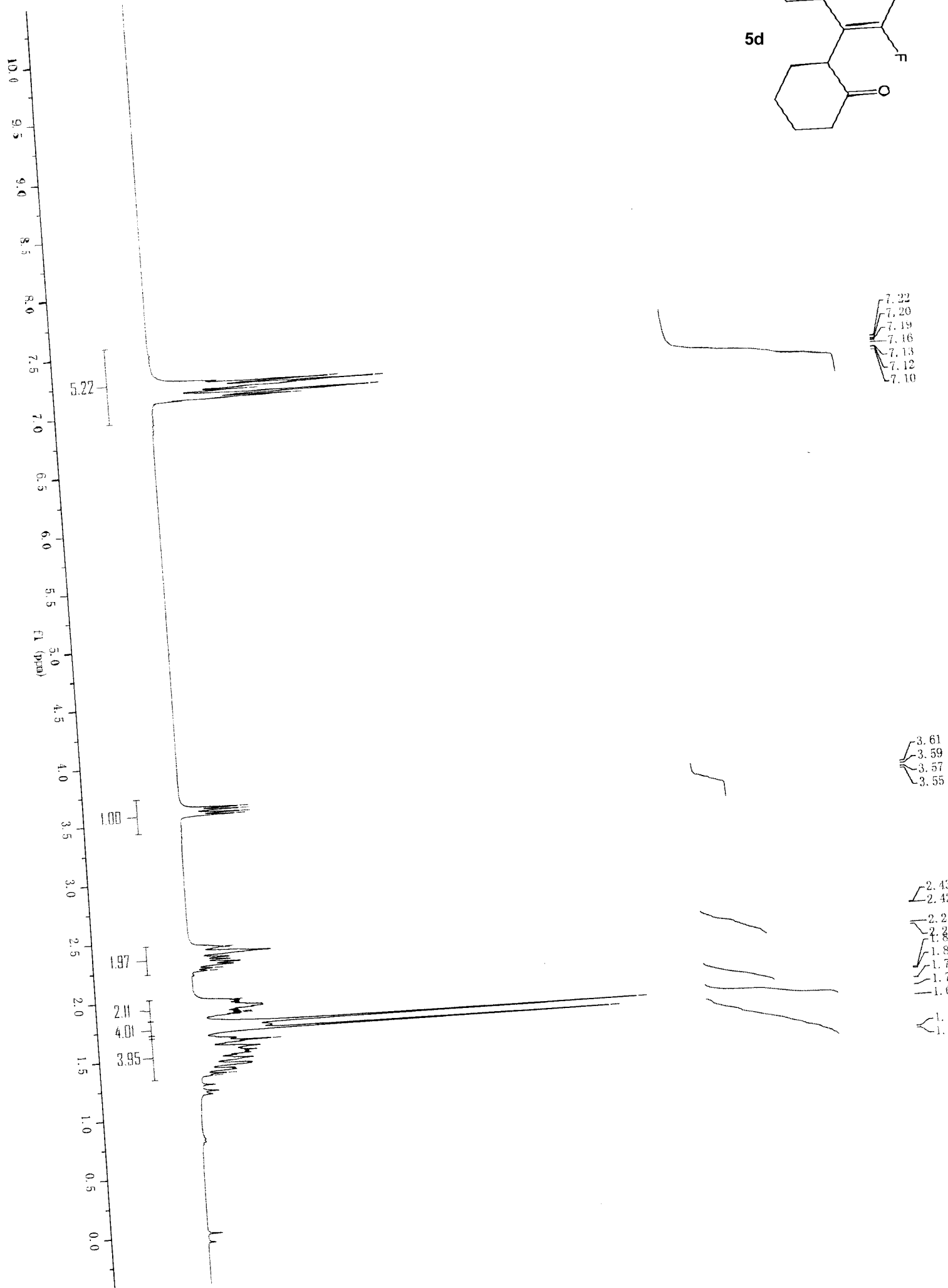
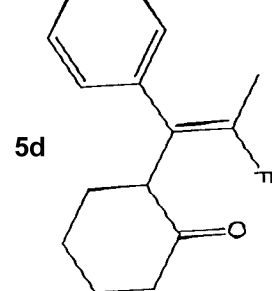


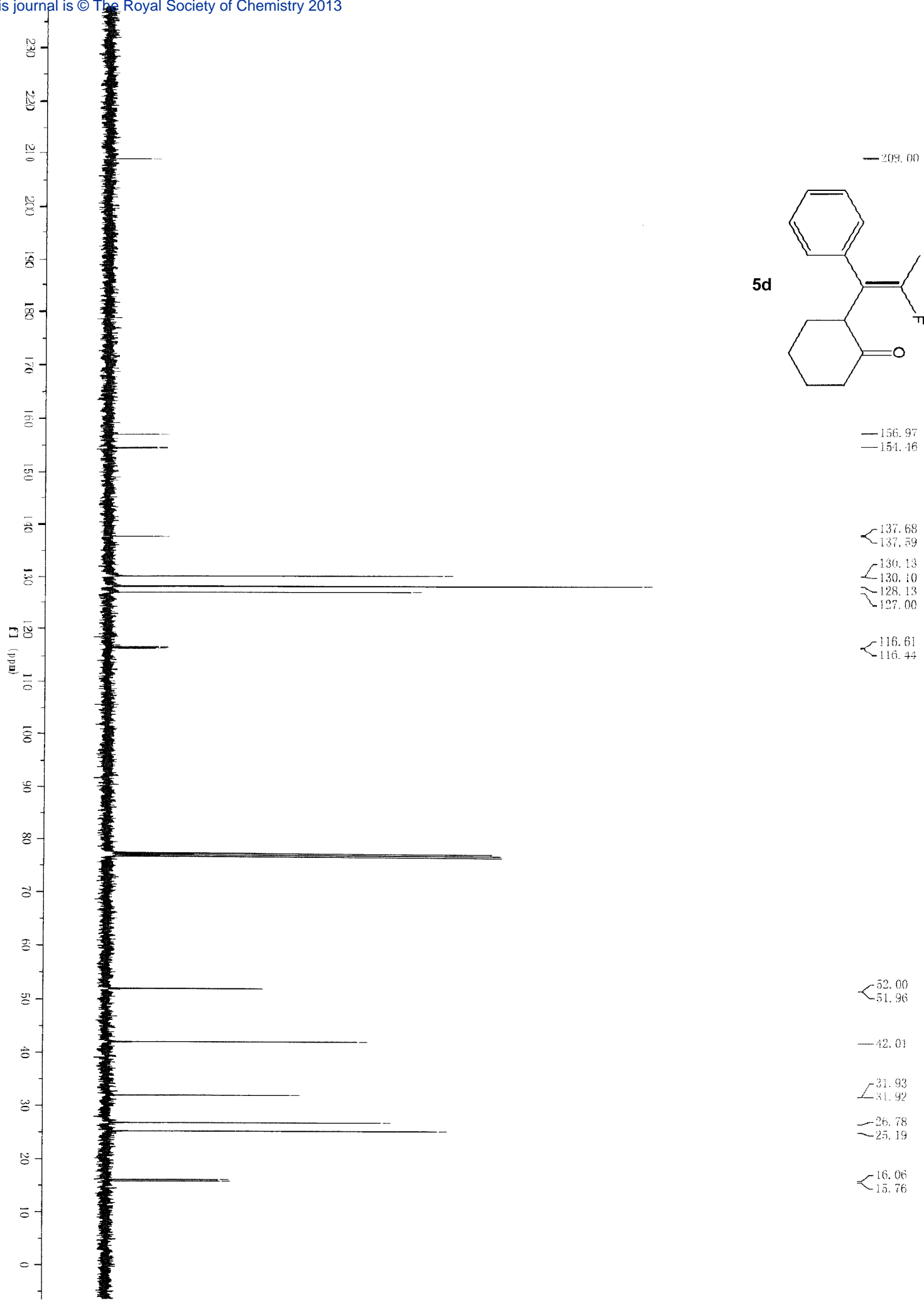
95.05
95.11
95.18
95.24

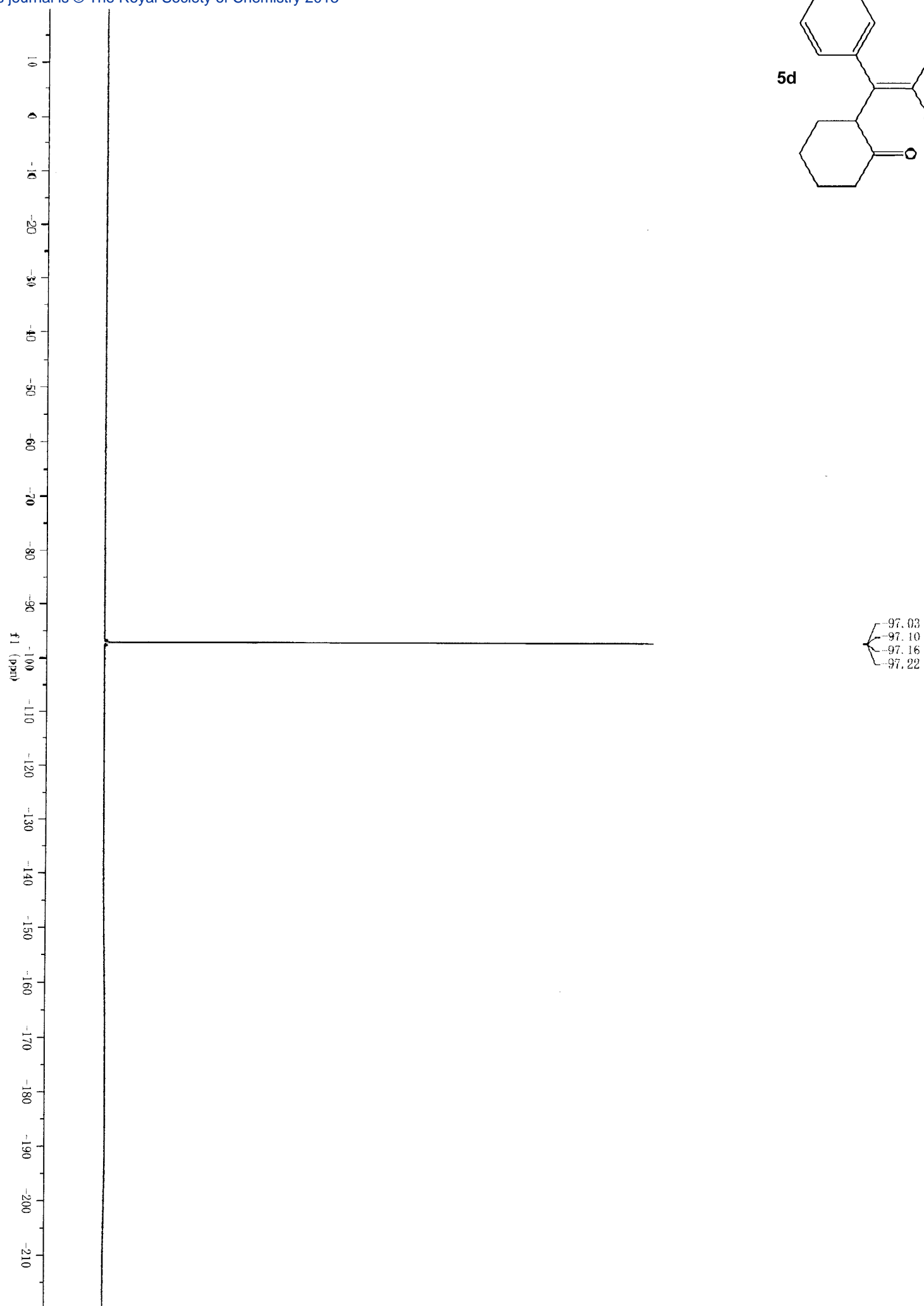
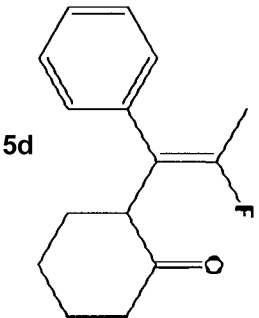


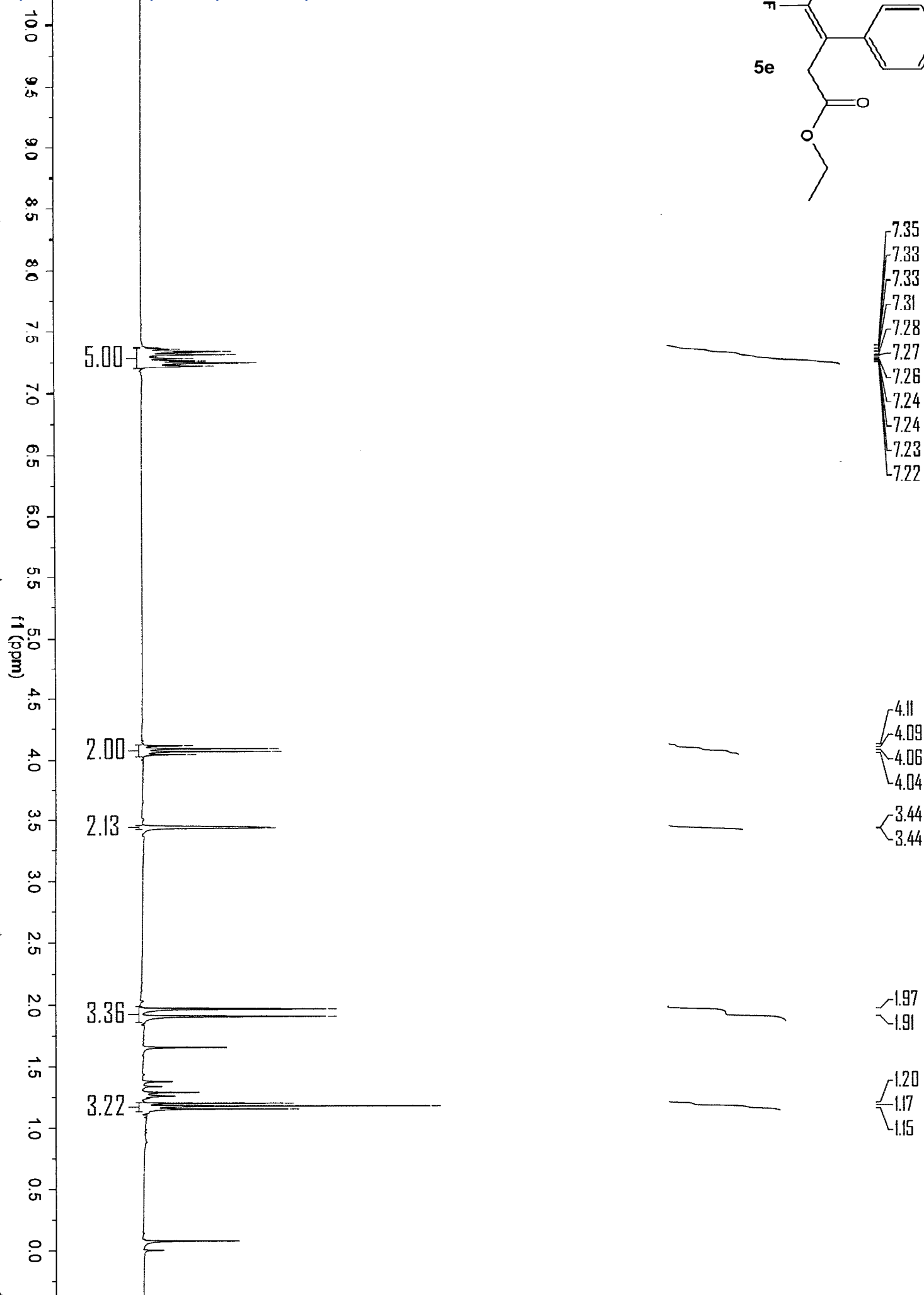
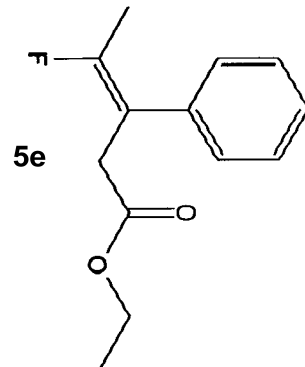


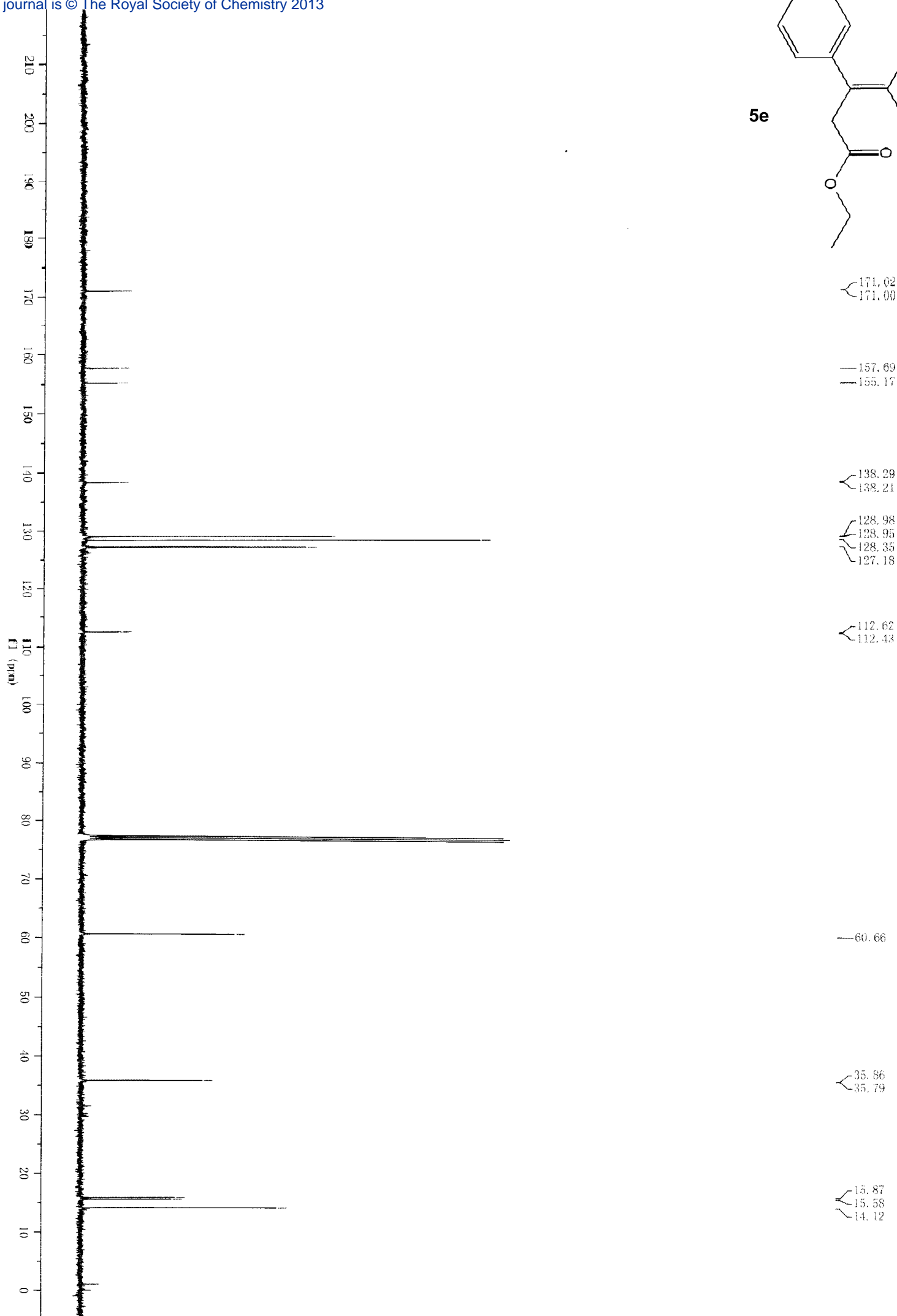


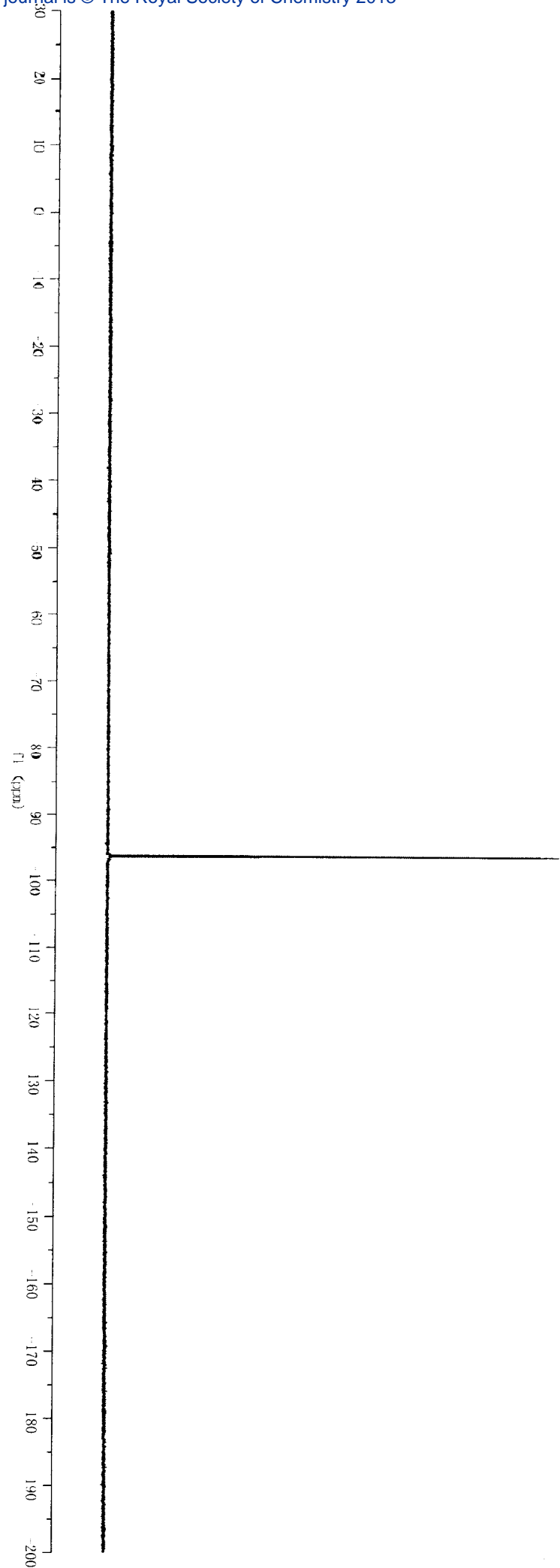




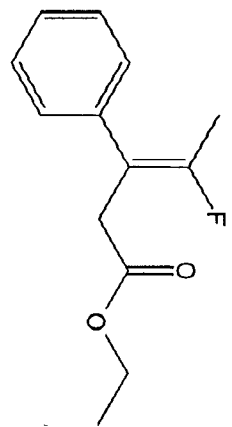






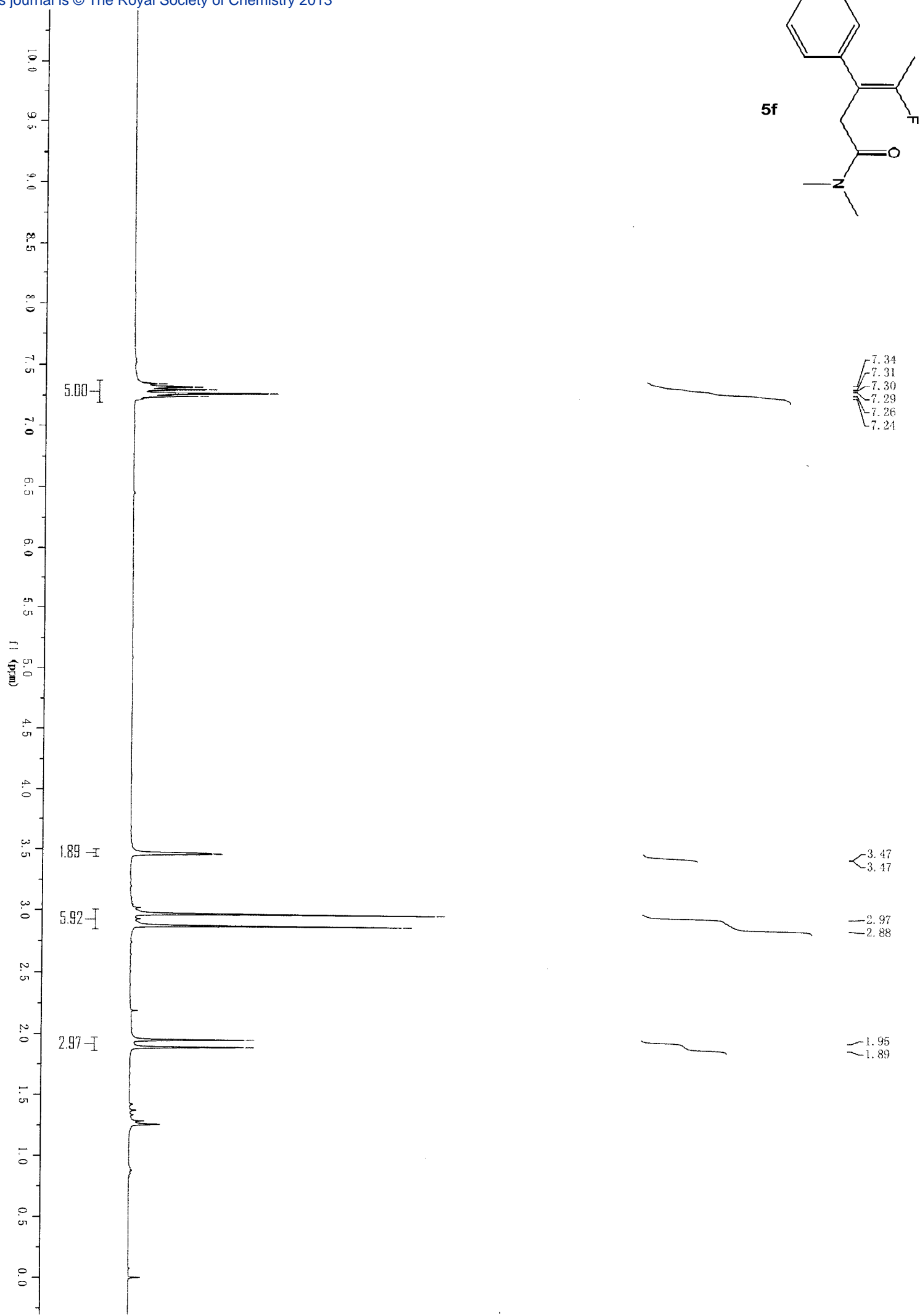


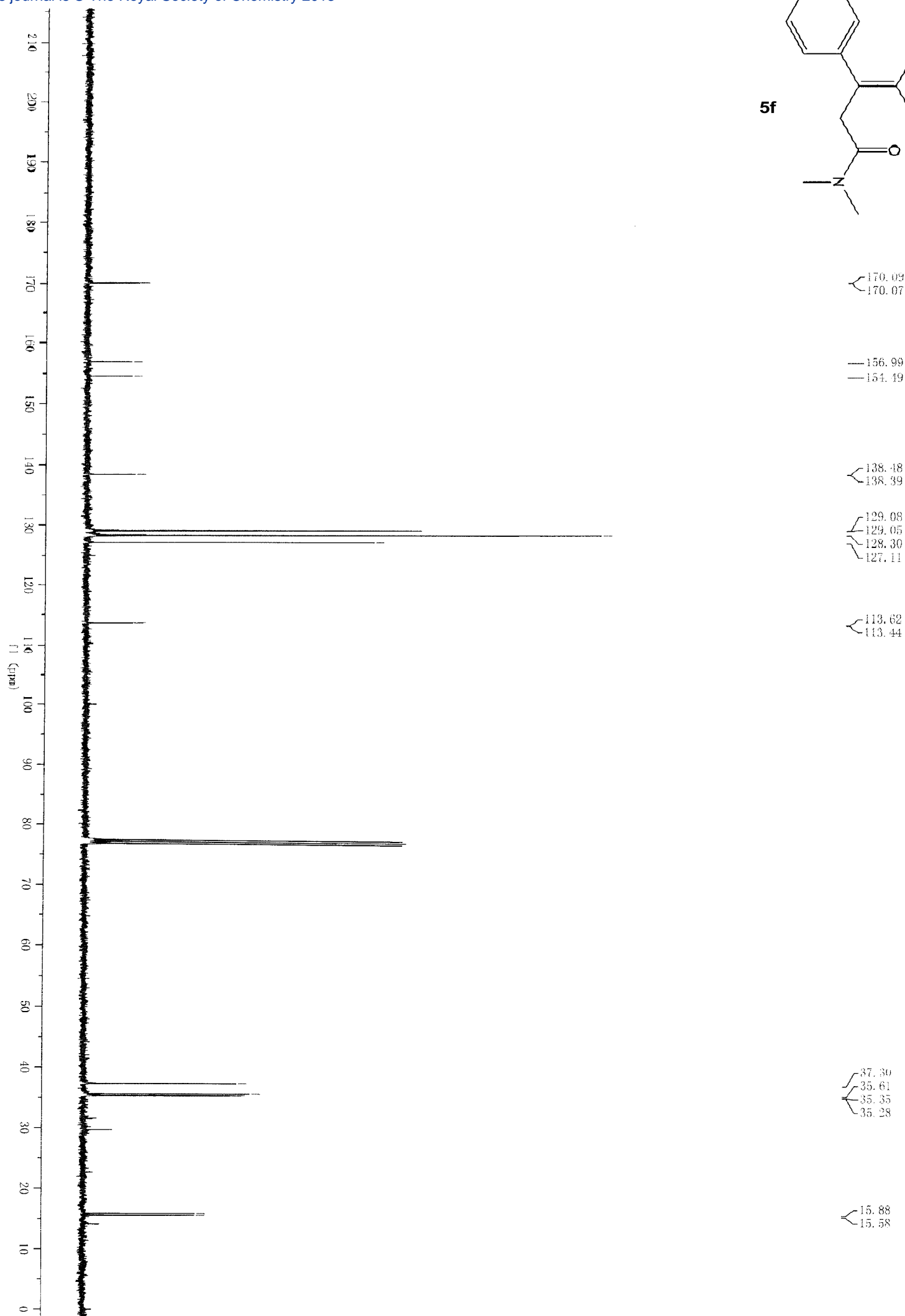
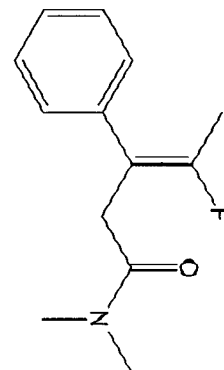
5e

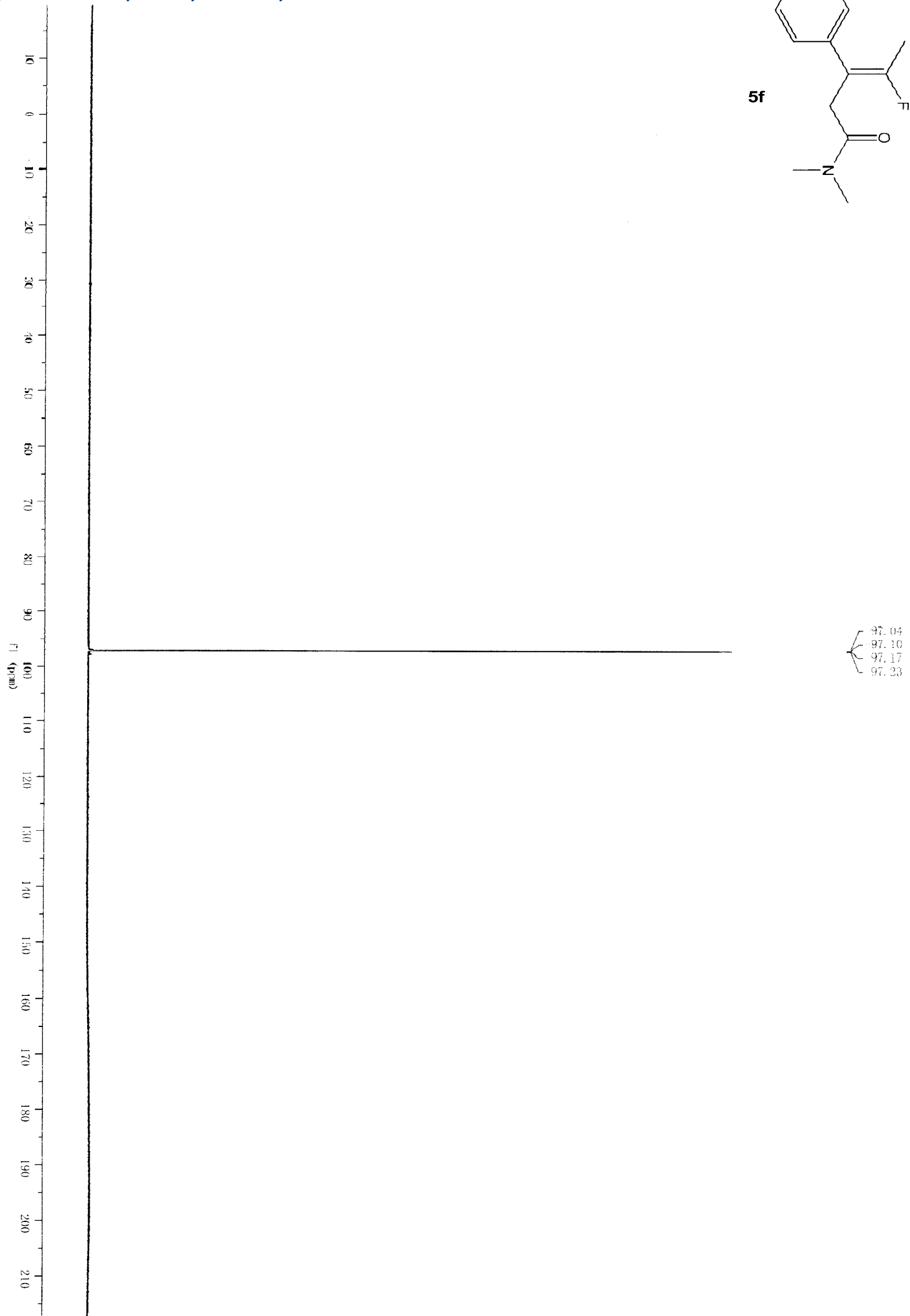


96.20
96.26
96.32
96.39

SPYA 1F







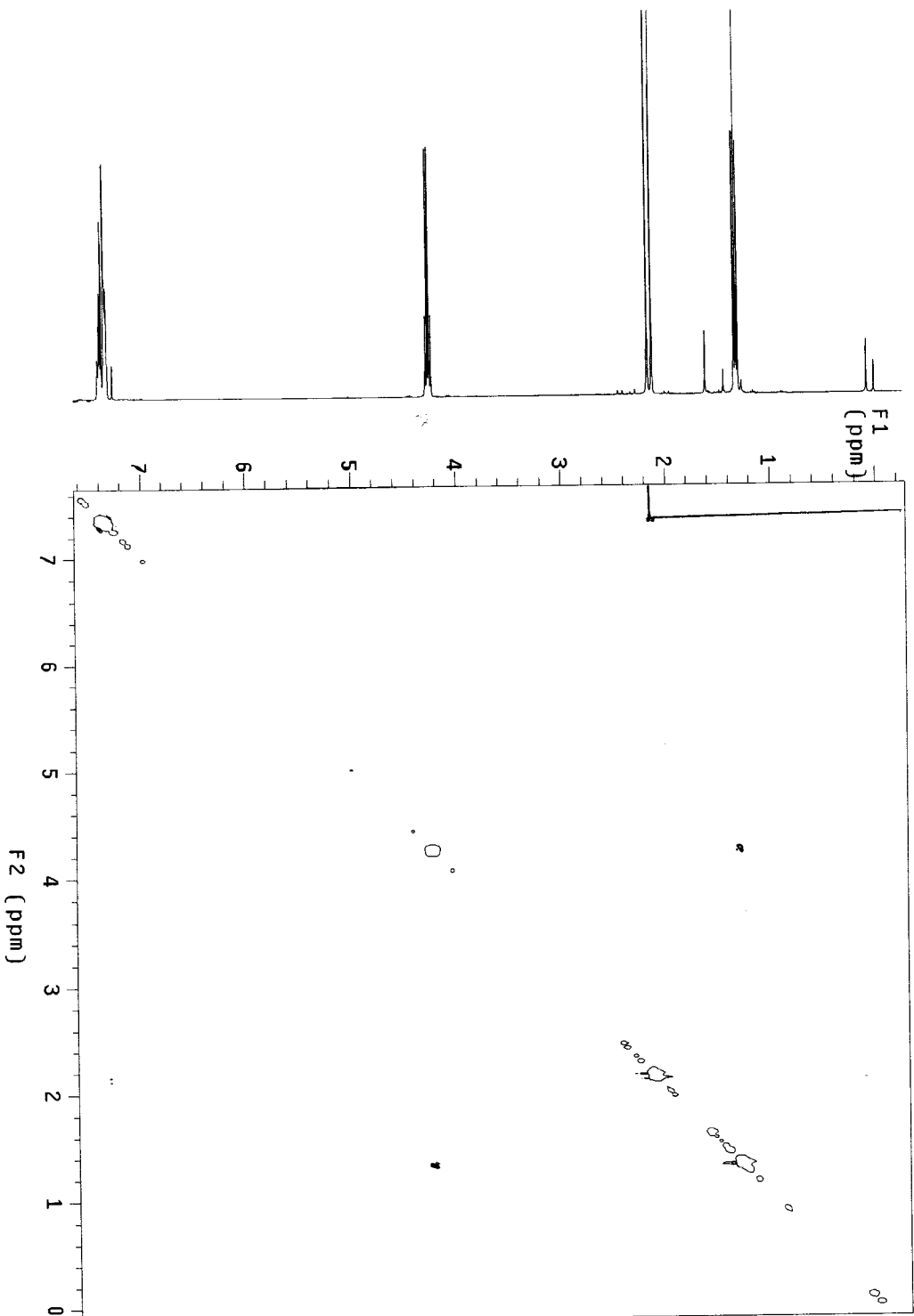
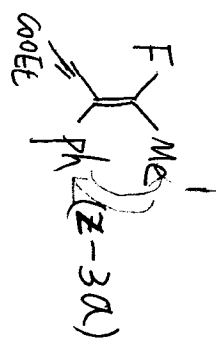
20081701866

Sample Name:
20081701866
Data Collected on:
Agilent-NMR-vnmr400
Archive directory:
/home/sioc/date
Sample directory:
20081701866_20130927_01
Fidfile: NOESY_01

Pulse Sequence: NOESY
Solvent: cdcl3
Data collected on: Sep 27 2013

Temp: 25.0 C / 298.1 K
Operator: sioc

Relax. delay 1.000 sec
Acq. time 0.150 sec
Width 3882.0 Hz
2D Width 3882.0 Hz
8 repetitions
2 x 256 increments
OBSERVE H1, 393.6568435 MHz
DATA PROCESSING
Gauss apodization 0.069 sec
F1 DATA PROCESSING
Gauss apodization 0.037 sec
F1 size 2048 x 2048
Total time 2 hr, 9 min



5f

