

Supporting Information-II

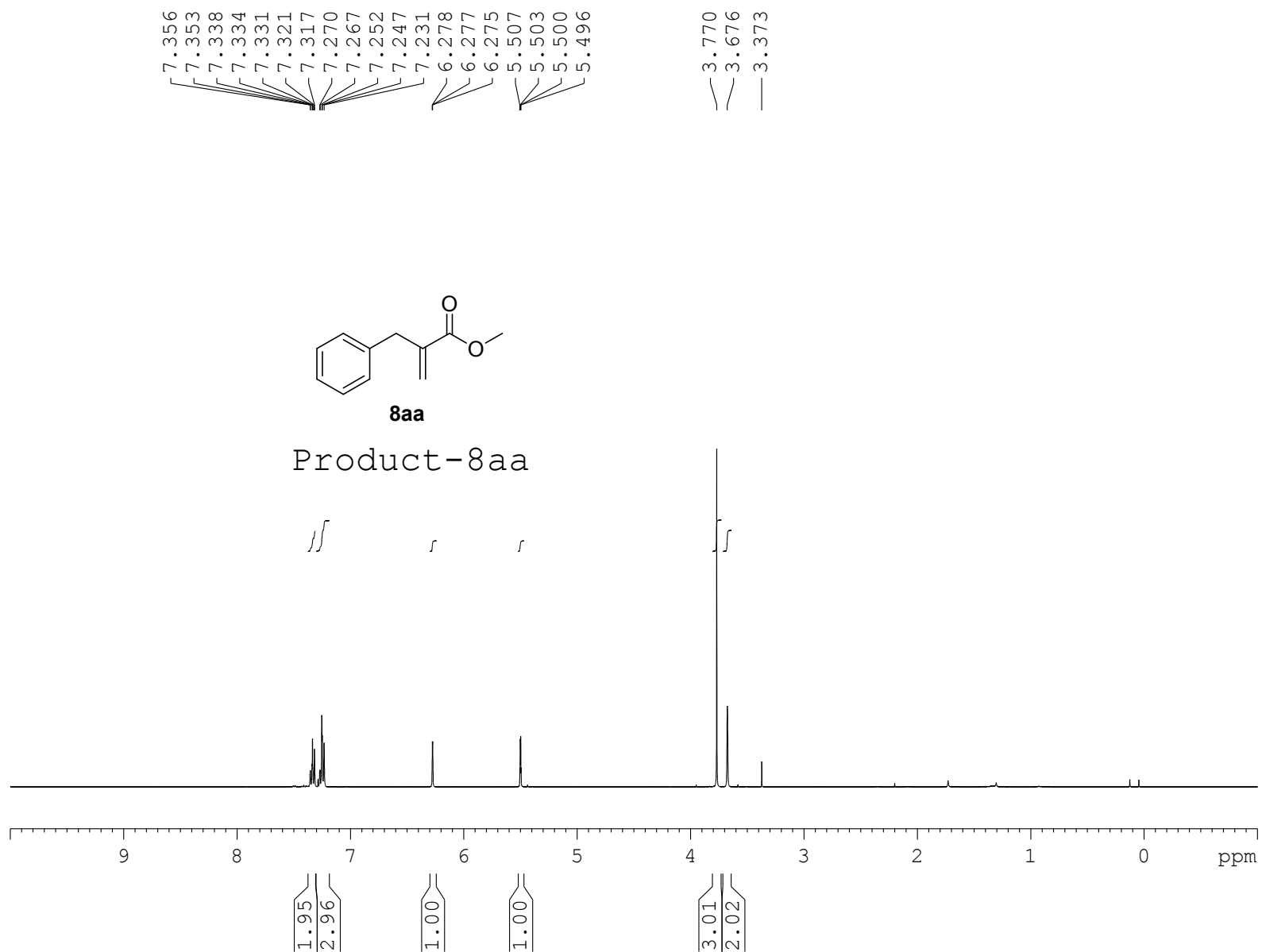
High-yielding Sequential One-pot Synthesis of Chiral and Achiral α -Substituted Acrylates via Metal-free Reductive Coupling Reaction

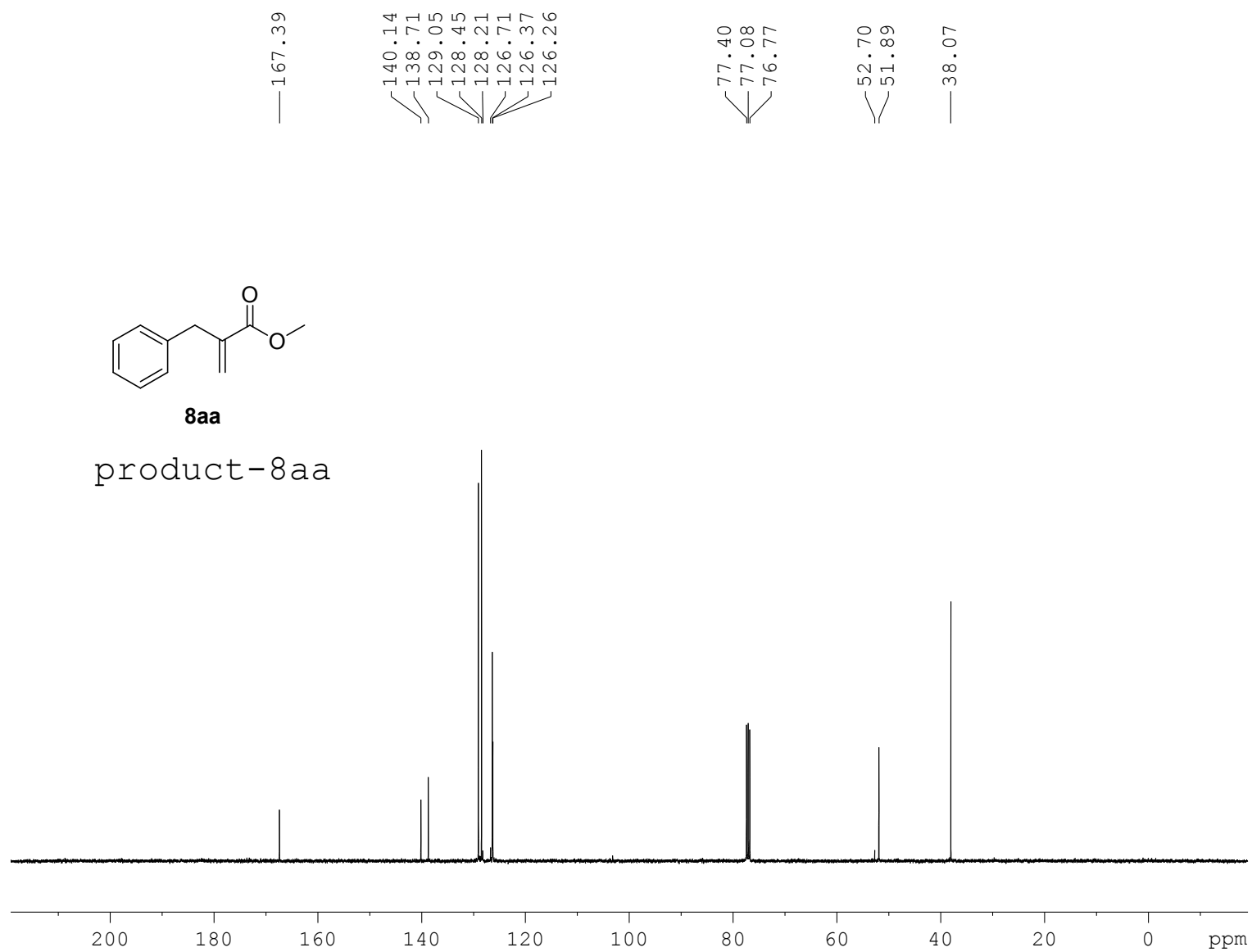
Dhevalapally B. Ramachary,* Chintalapudi Venkaiah, and Y. Vijayendar Reddy

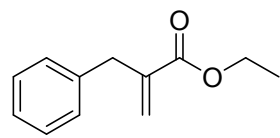
Catalysis Laboratory, School of Chemistry, University of Hyderabad, Central University (P.O.),

Hyderabad 500 046, India

ramsc@uohyd.ernet.in and ramchary.db@gmail.com

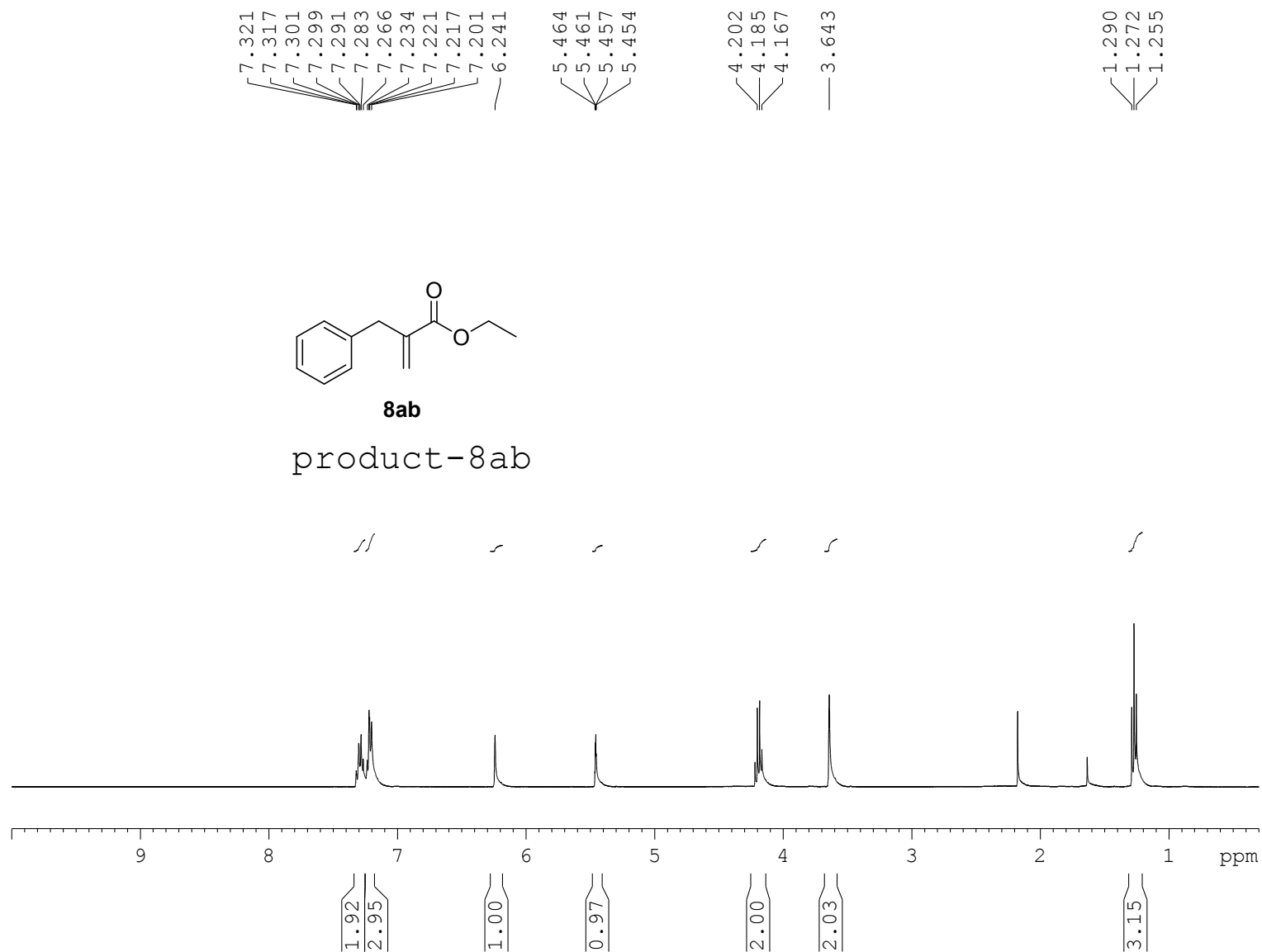


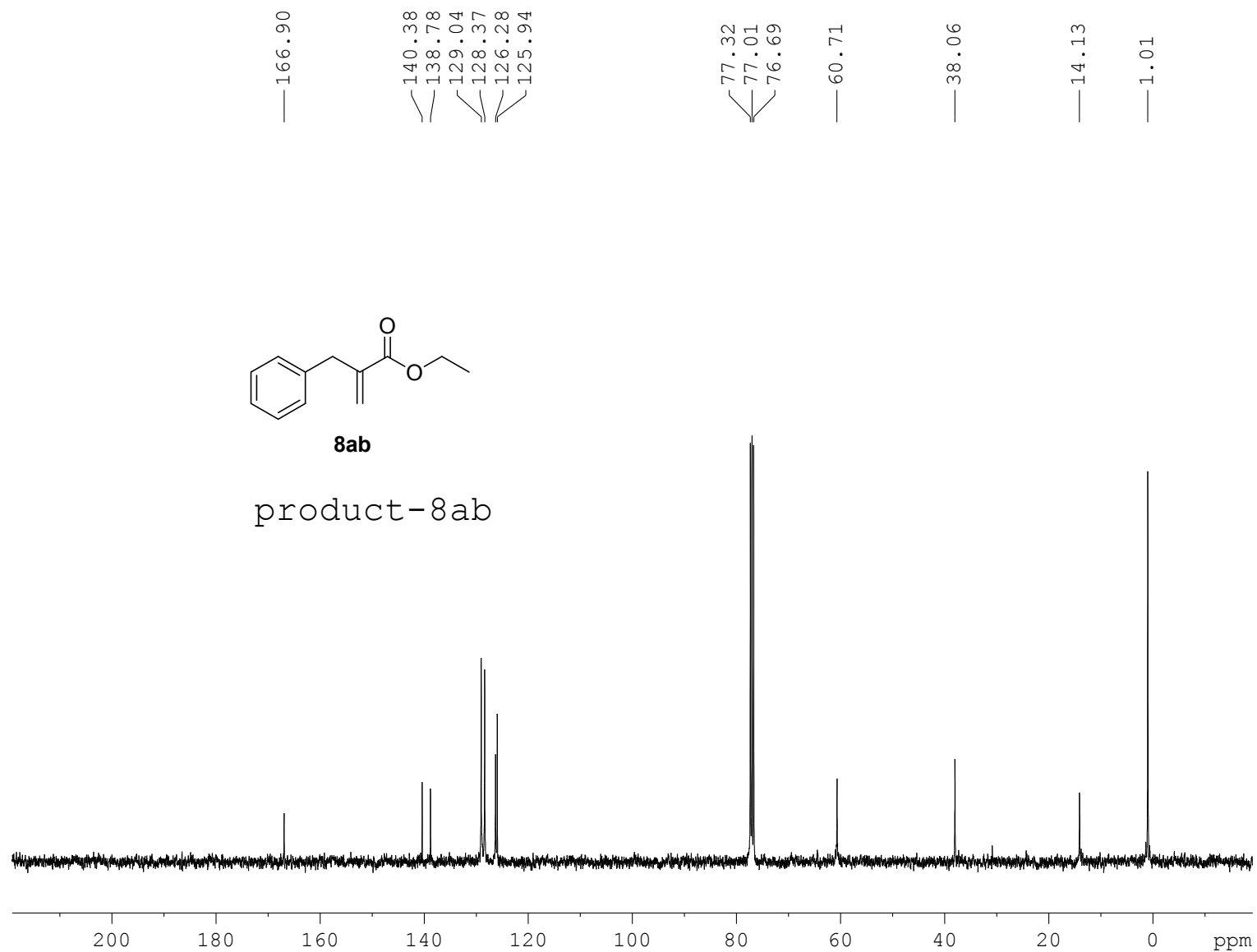


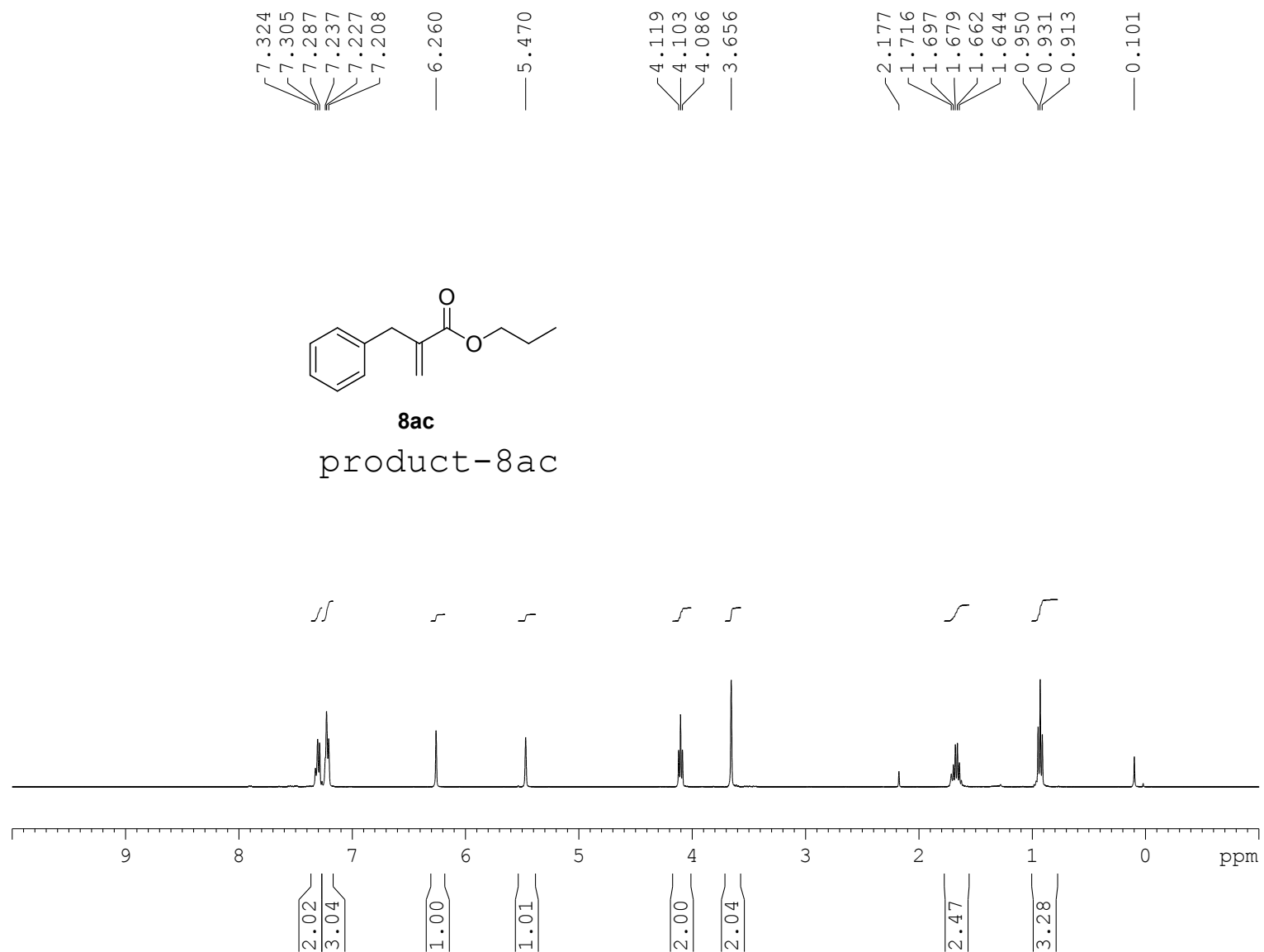


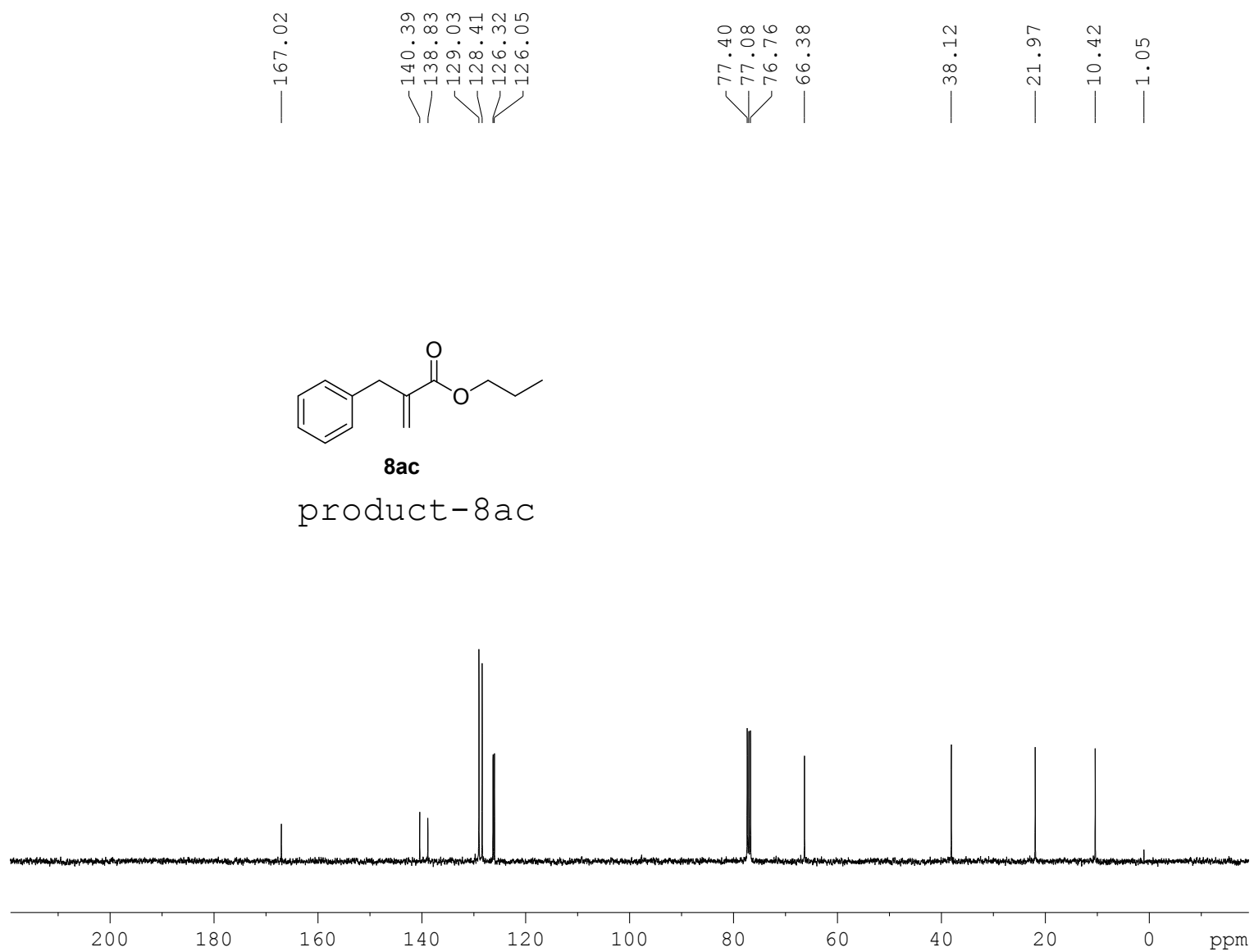
8ab

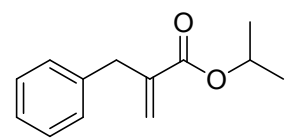
product-8ab





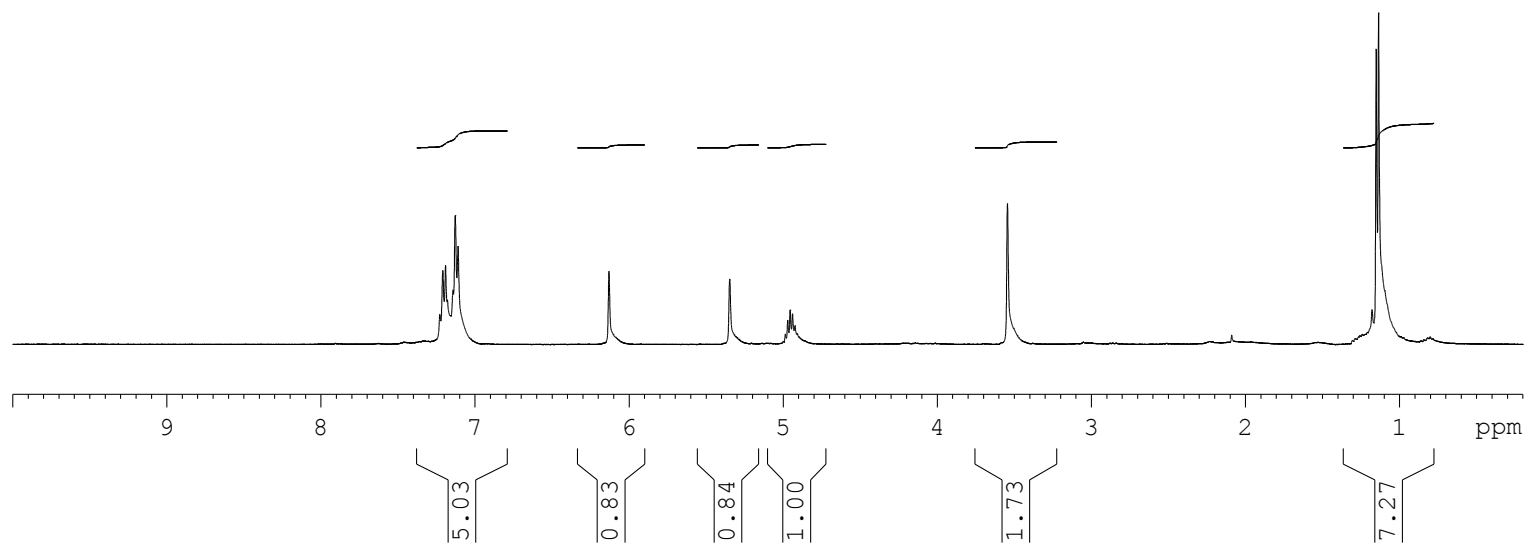






8ad

product-8ad



7.228
7.209
7.191
7.179
7.142
7.128
7.110

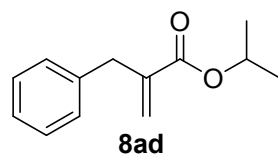
— 6.132

— 5.348
4.972
4.956
4.941

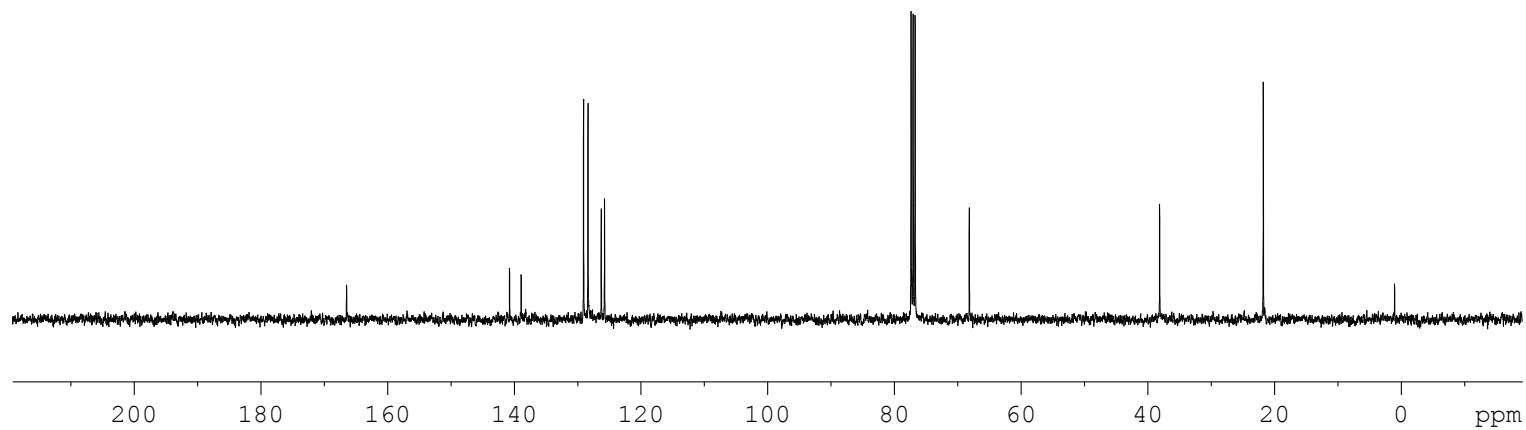
— 3.546

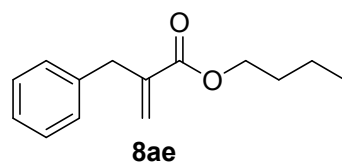
1.180
1.153
1.137

— 166.44
 — 140.71
 — 138.87
 — 129.02
 — 128.32
 — 126.22
 — 125.71
 — 77.32
 — 77.00
 — 76.69
 — 68.13
 — 38.09
 — 21.72
 — 1.00

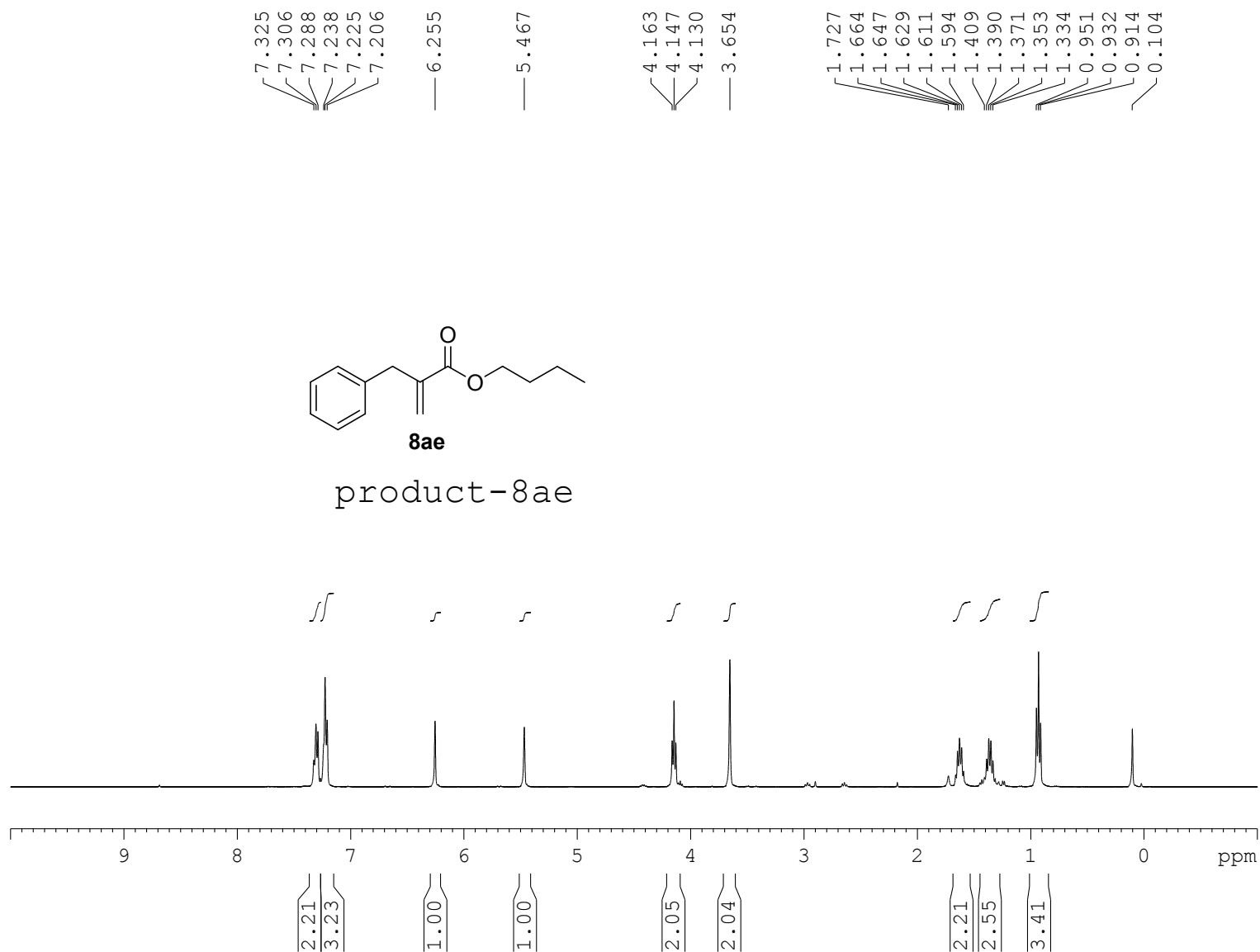


product-8ad





product-8ae



— 167.02

140.39
138.82
129.02
128.40
126.31
126.04

77.40
77.08
76.76

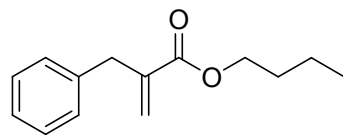
— 64.65

— 38.12

— 30.64

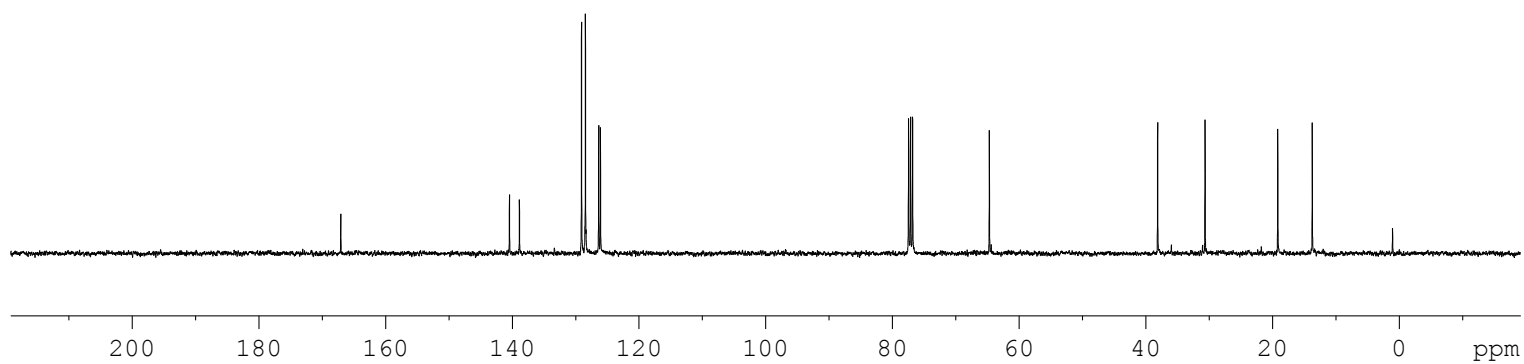
— 19.17

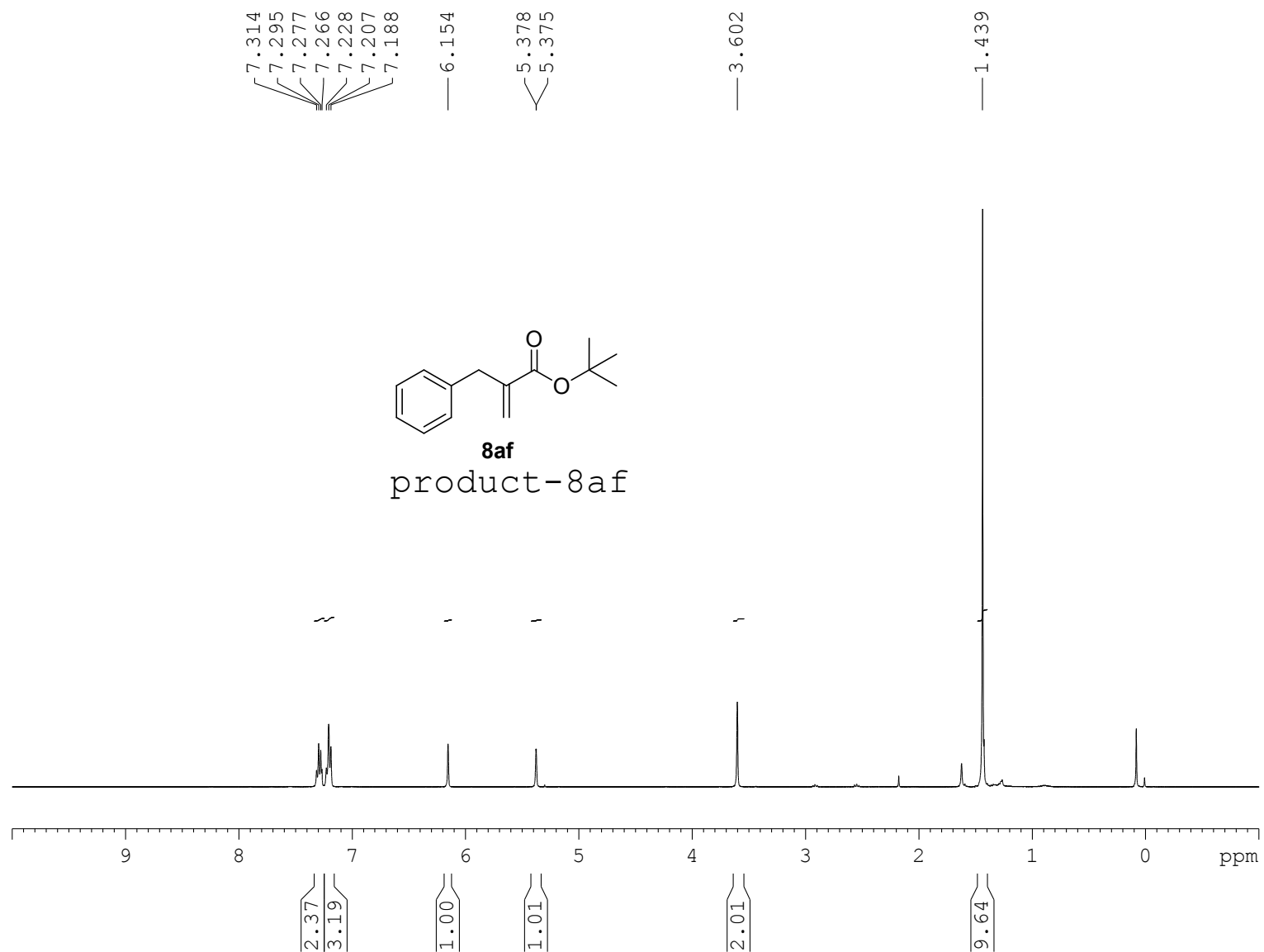
— 13.71

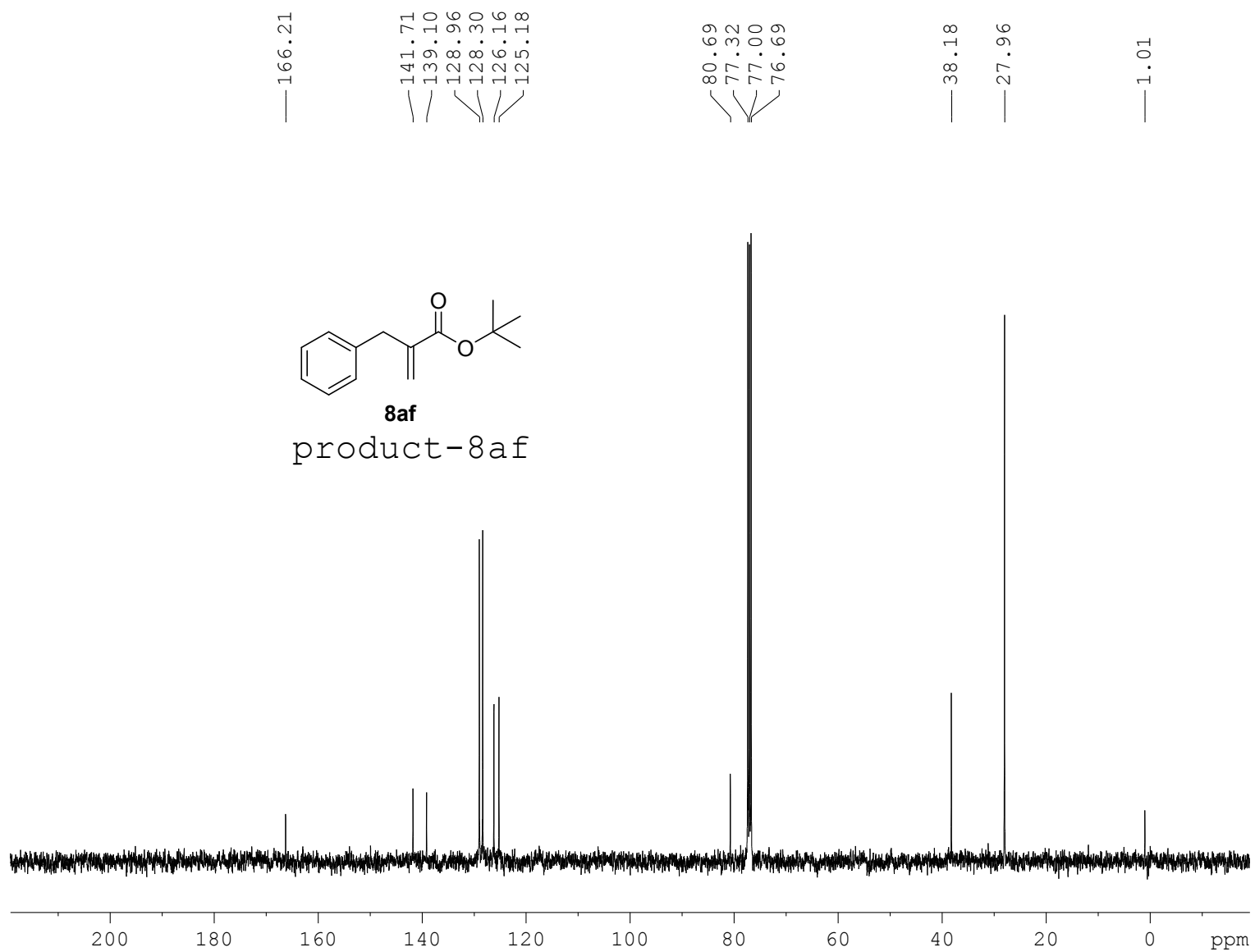


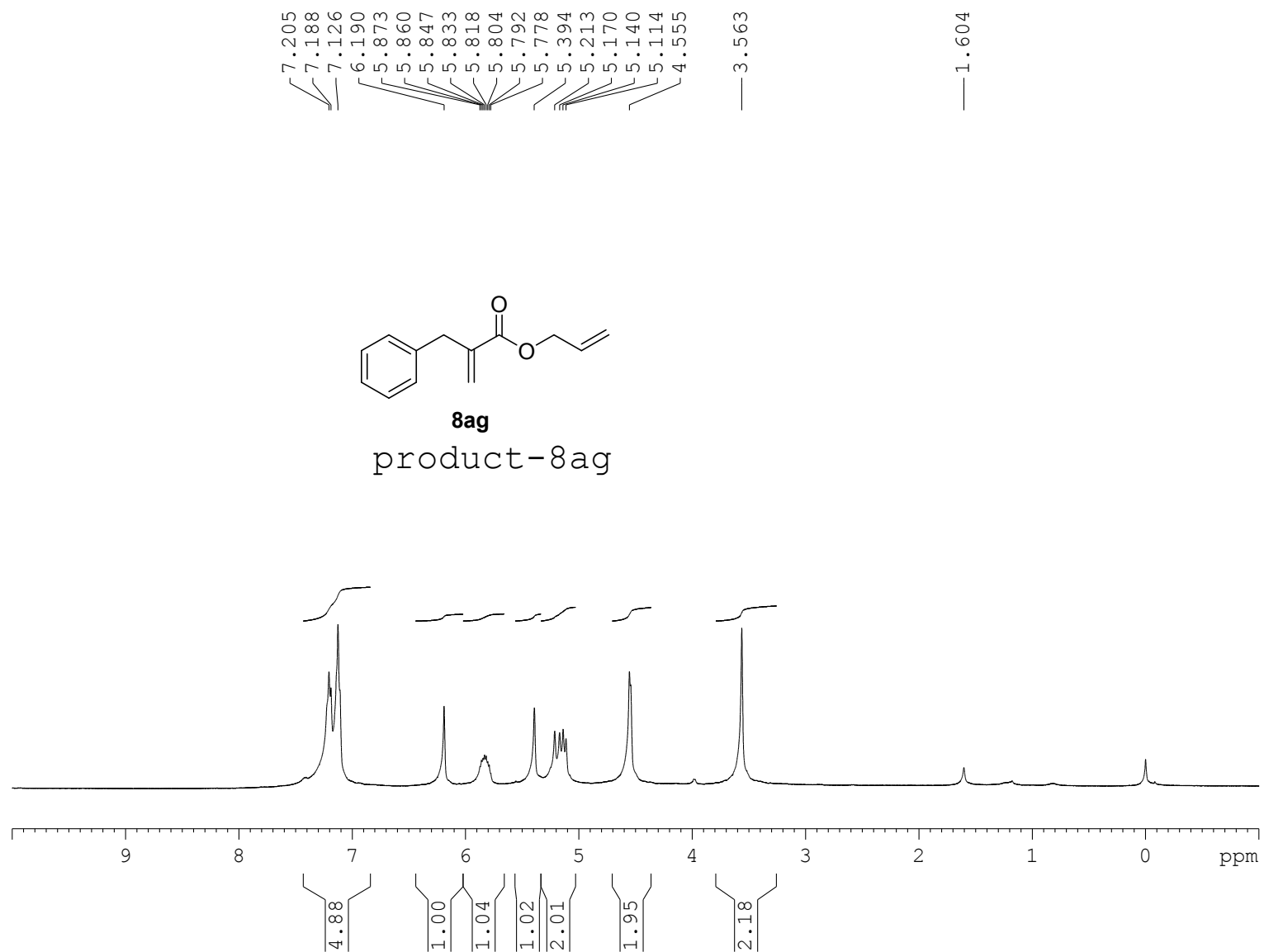
8ae

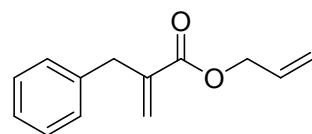
product-8ae





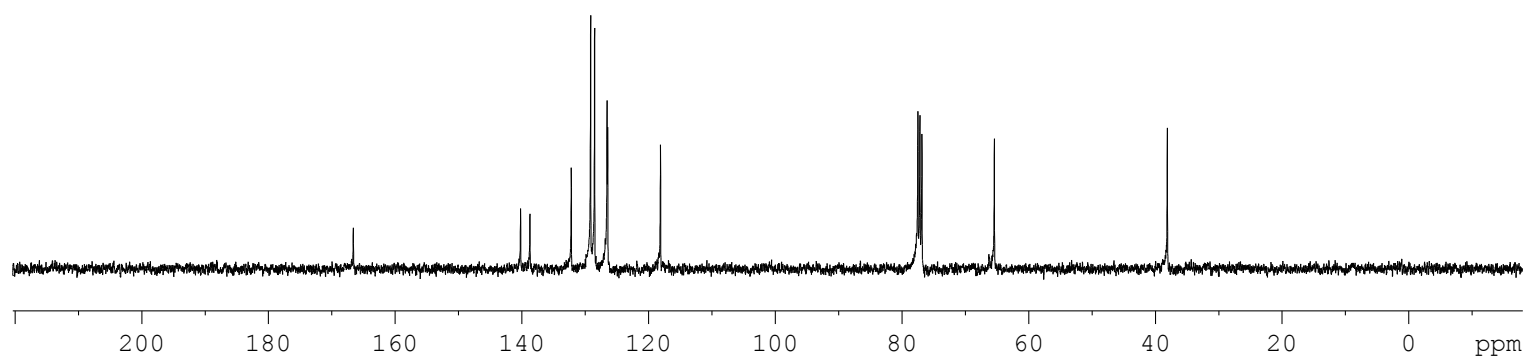


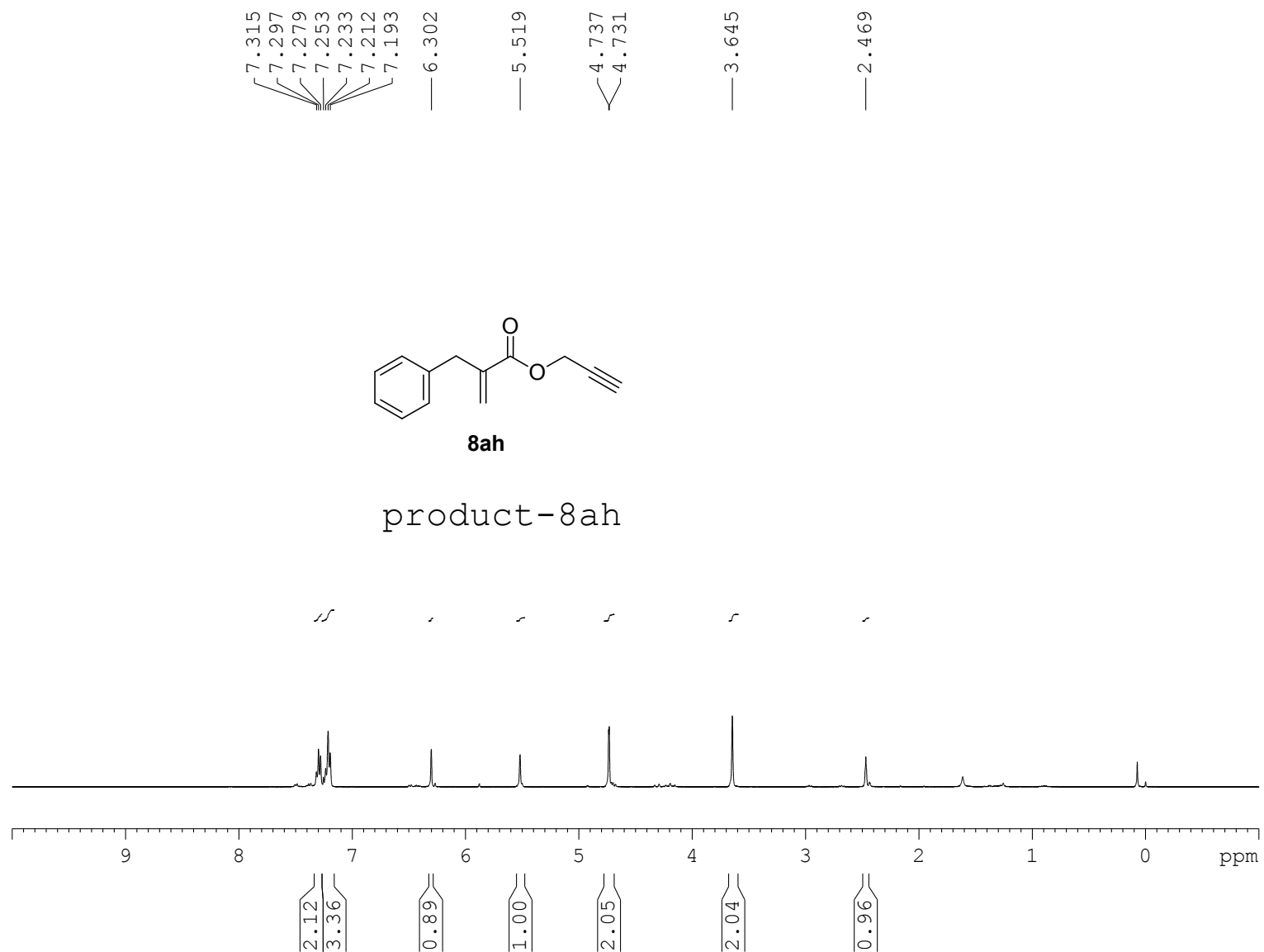




8ag

product-8ag





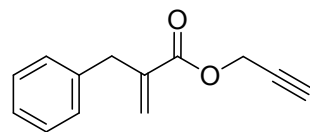
— 165.98

139.48
138.33
129.06
128.42
127.27
126.40

77.57
77.32
77.00
76.69
74.87

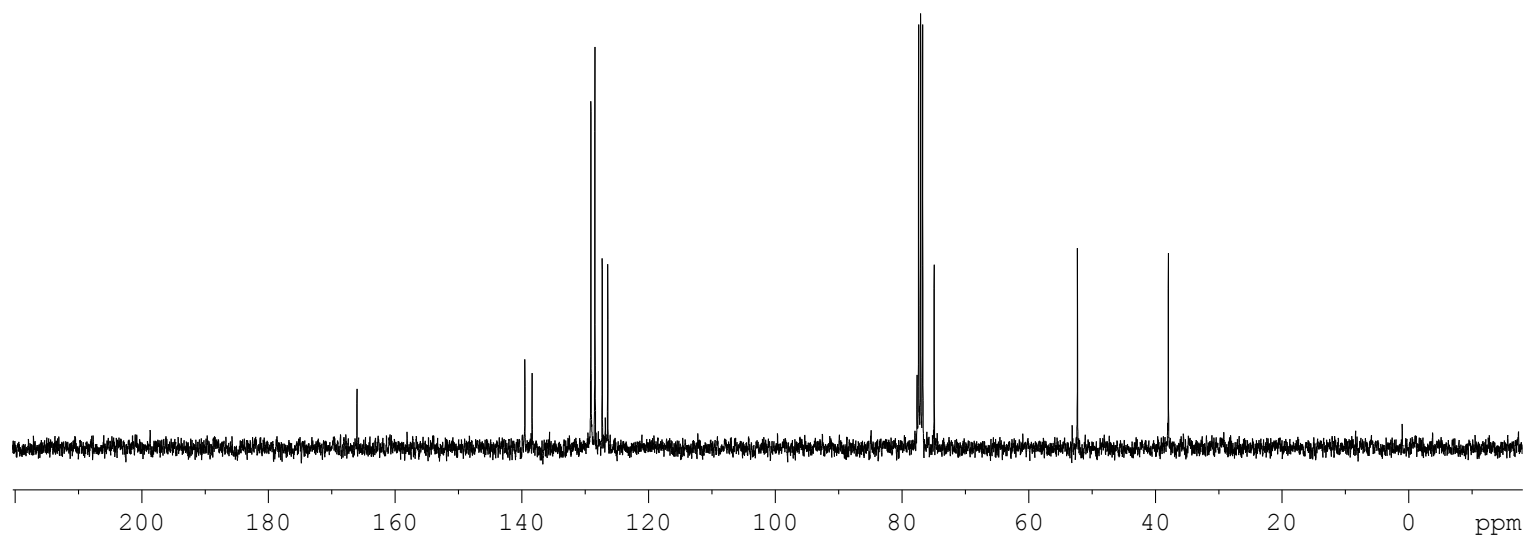
— 52.26

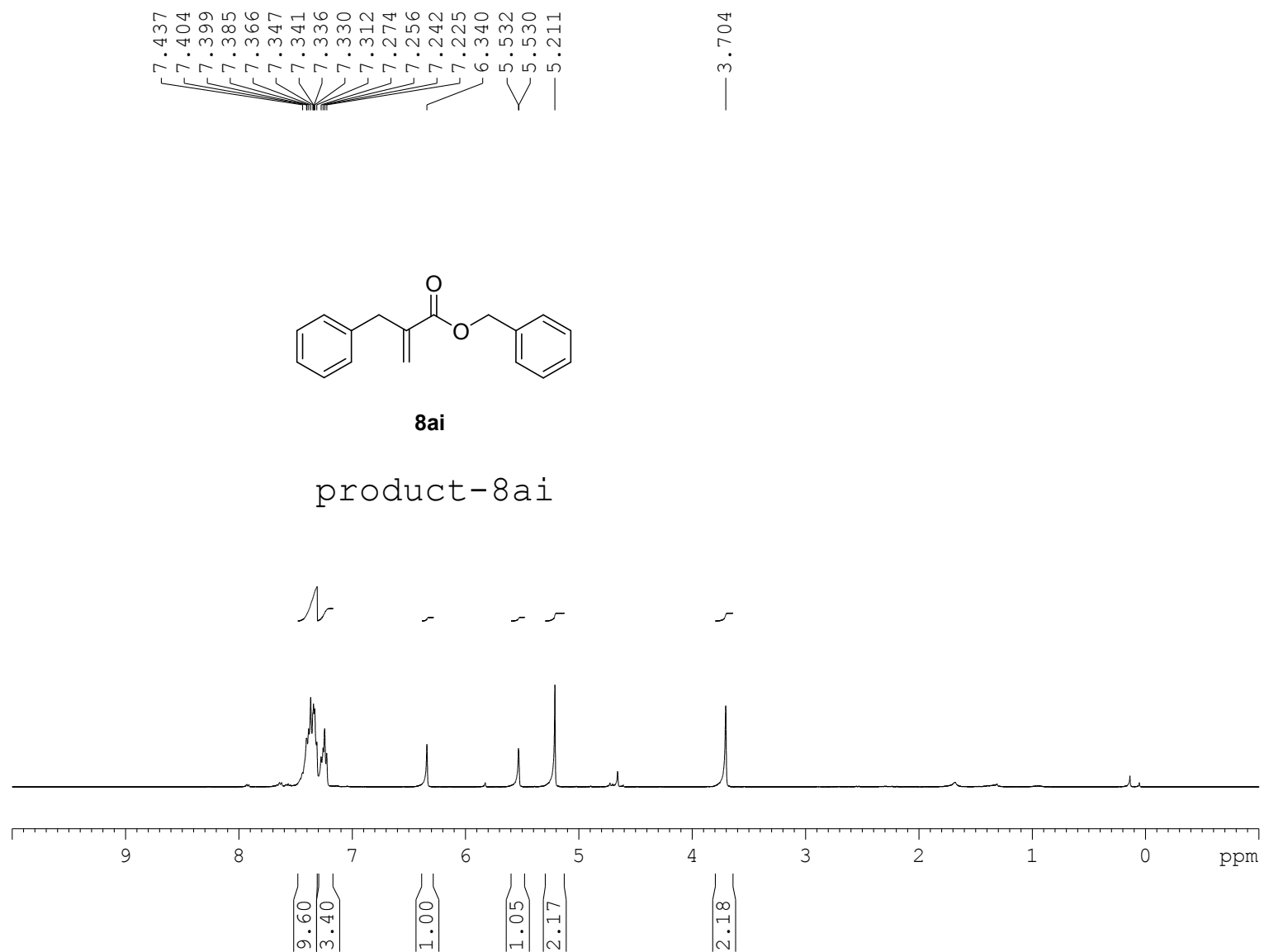
— 37.90

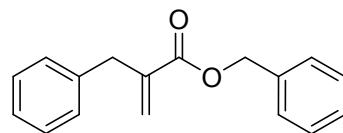


8ah

product-8ah

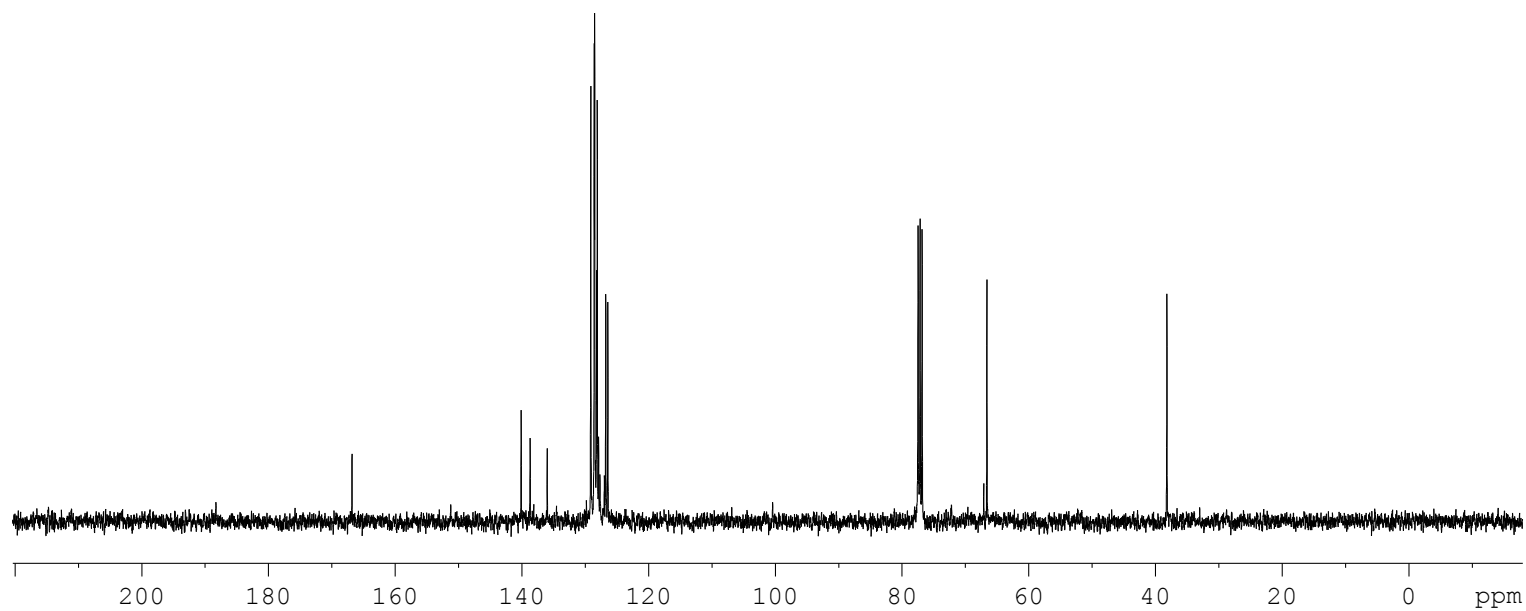


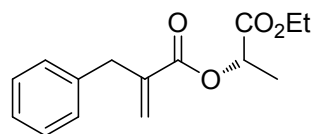




8ai

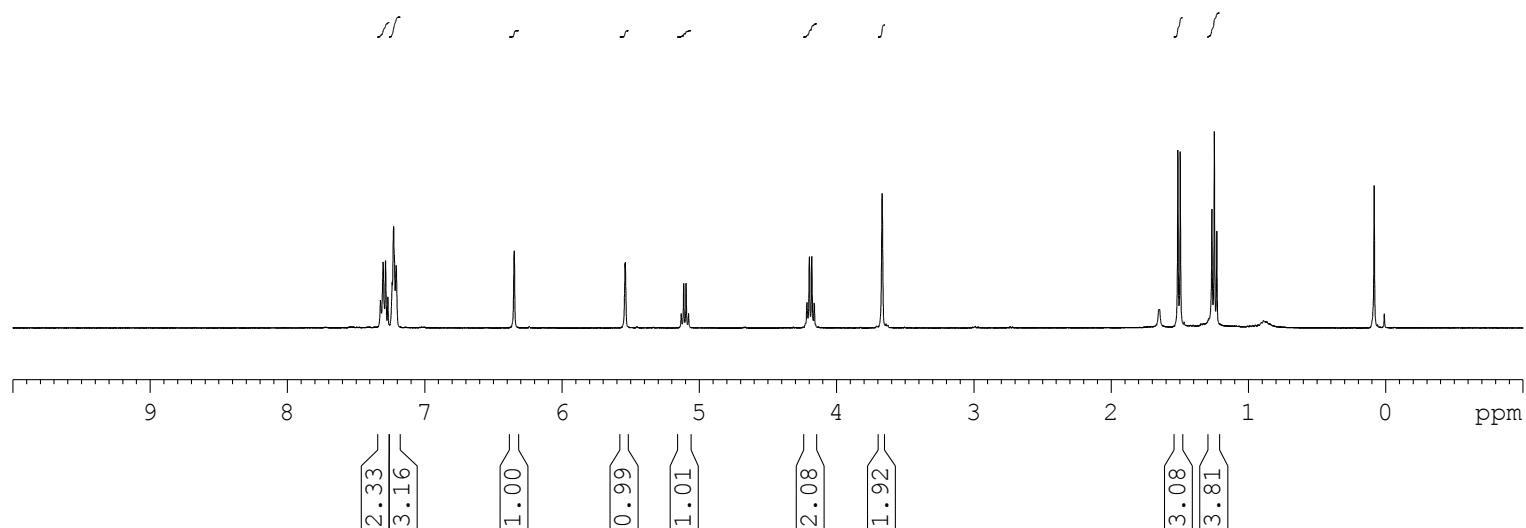
product-8ai





8aj

product-8aj



— 170.73
— 166.16

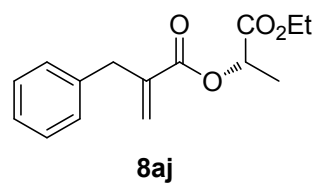
139.44
138.49
129.05
128.37
127.23
126.33

77.32
77.00
76.68
68.99
61.29

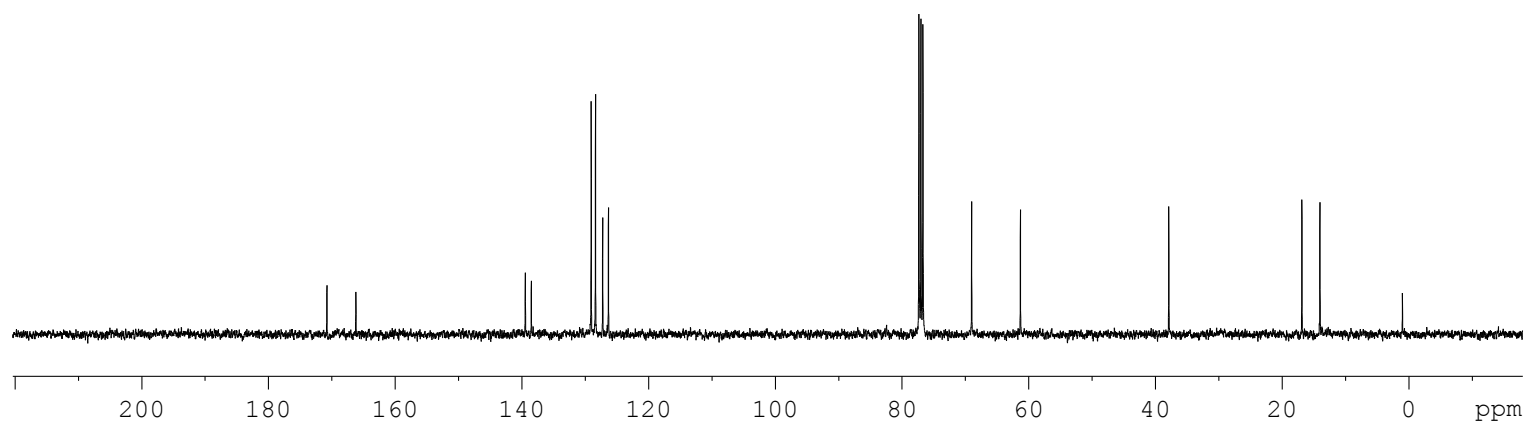
— 37.88

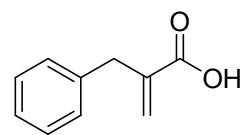
16.87
14.02

— 0.99



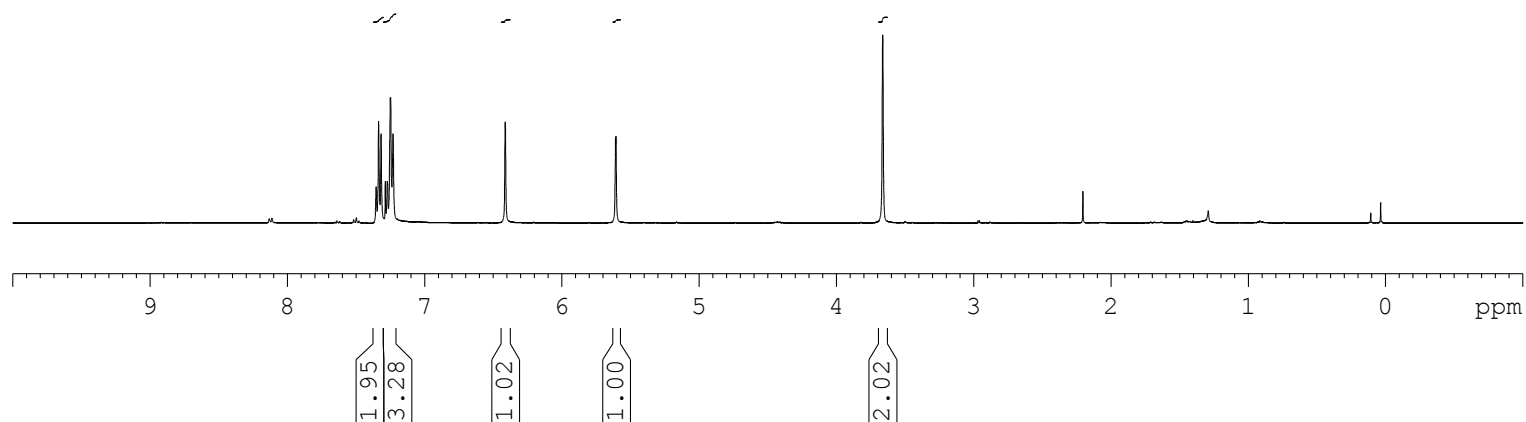
product-8aj

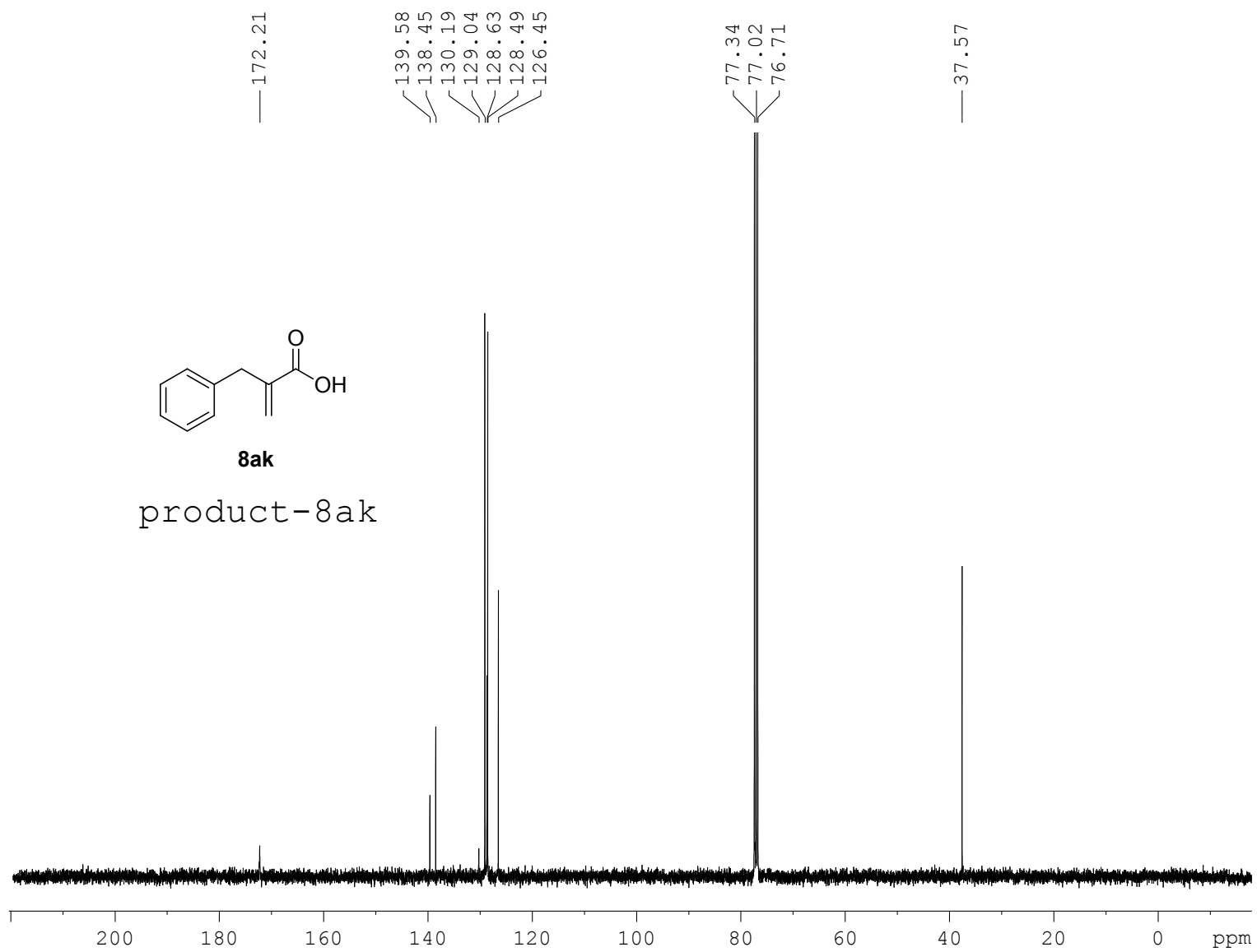




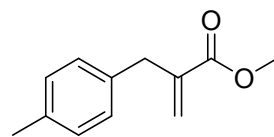
8ak

product-8ak



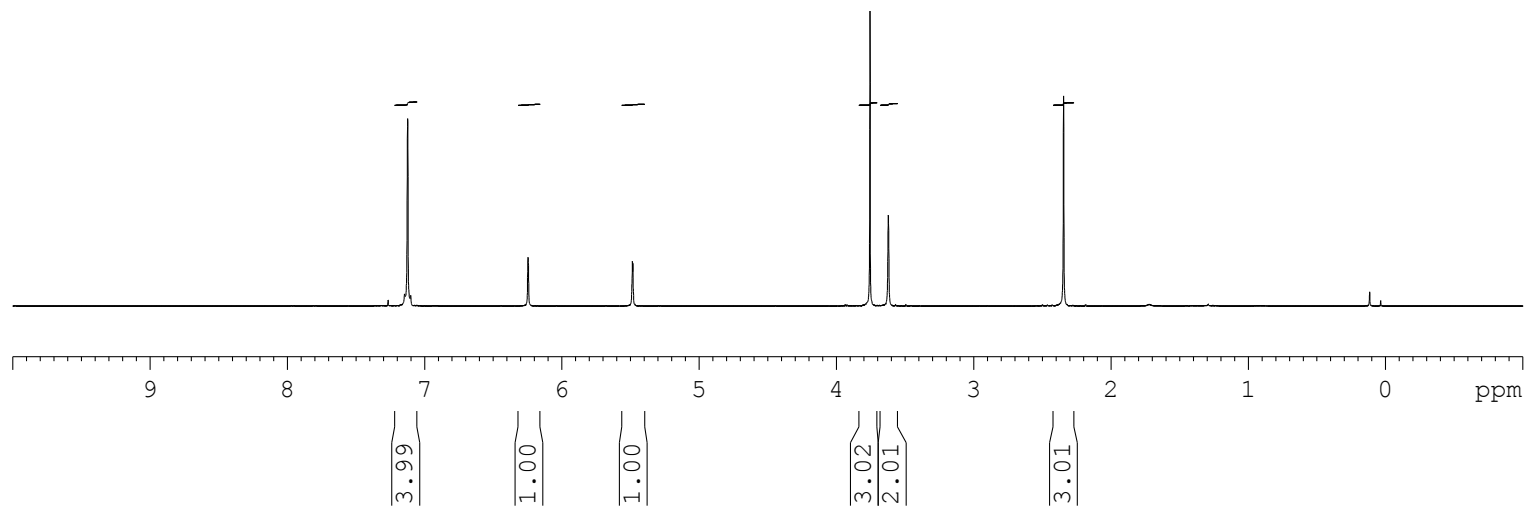


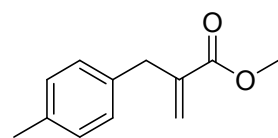
— 7.123
 < 6.247
 < 6.245
 < 5.486
 < 5.482
 — 3.755
 — 3.621
 — 2.347



8ba

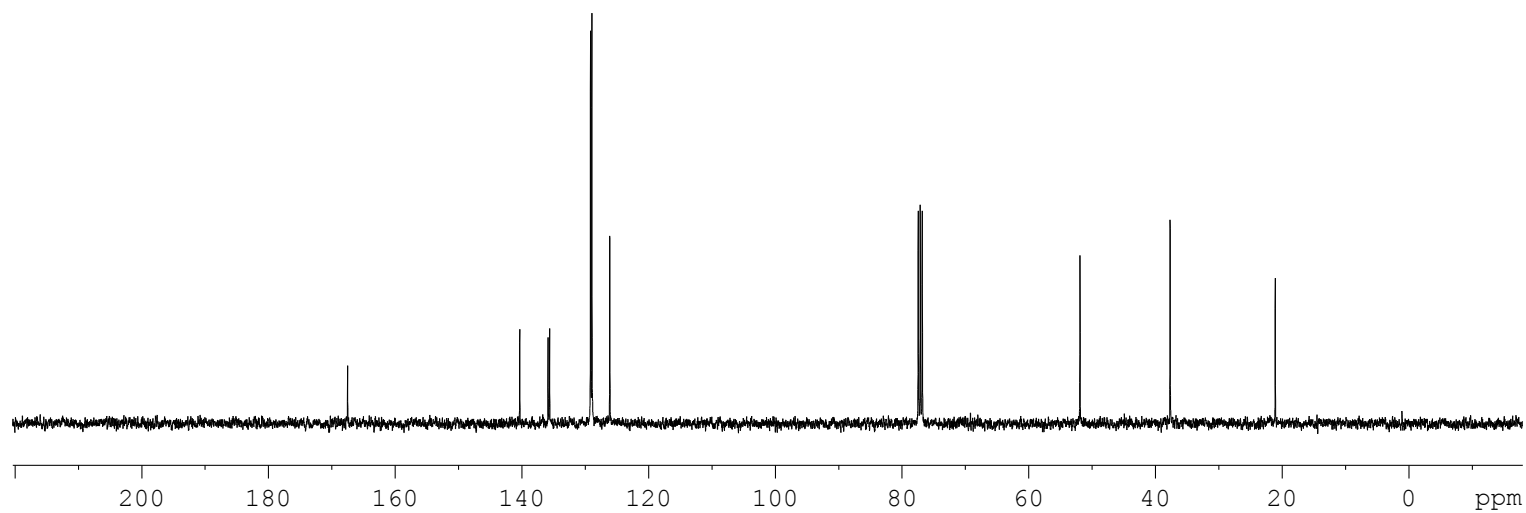
product-8ba

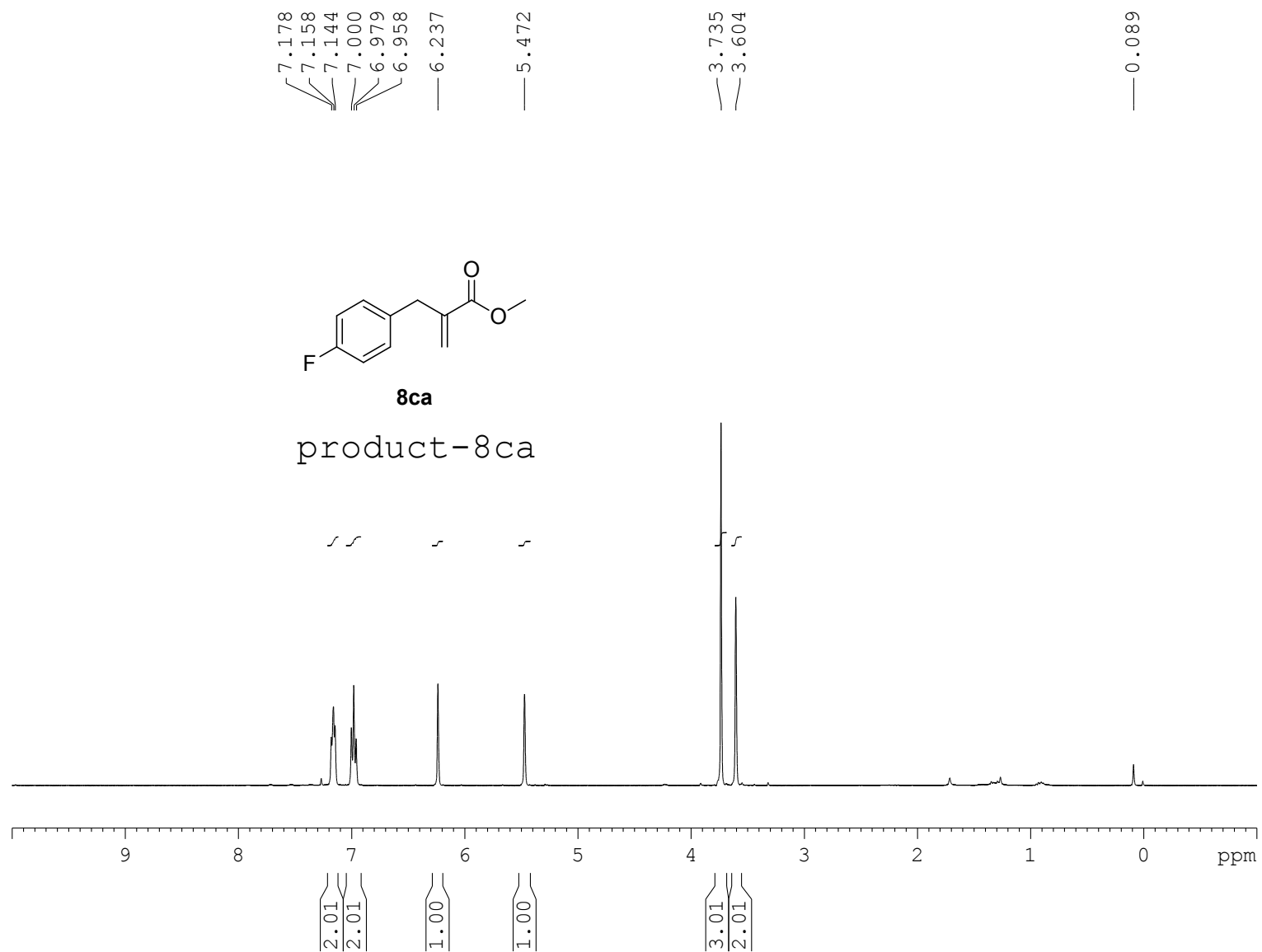




8ba

product-8ba





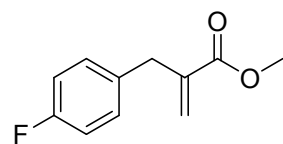
167.16
162.73
160.30

139.95
134.25
130.42
130.34
126.25
115.26
115.05

77.32
77.00
76.69

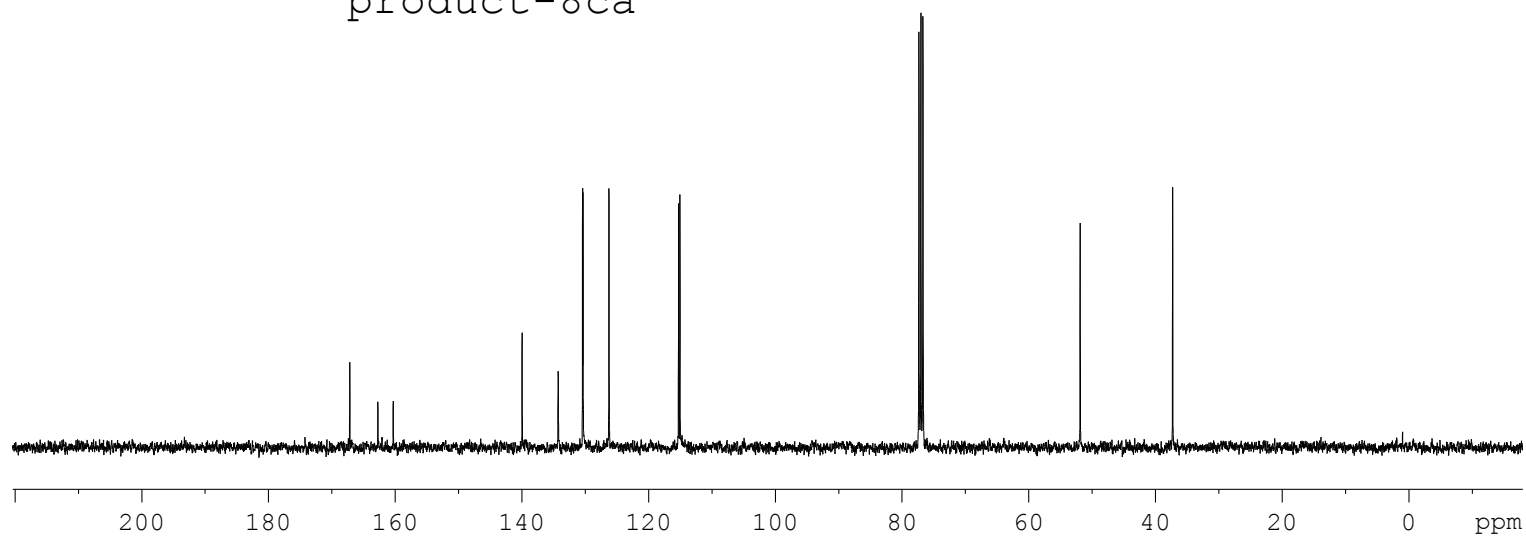
51.87

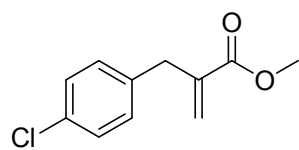
37.27



8ca

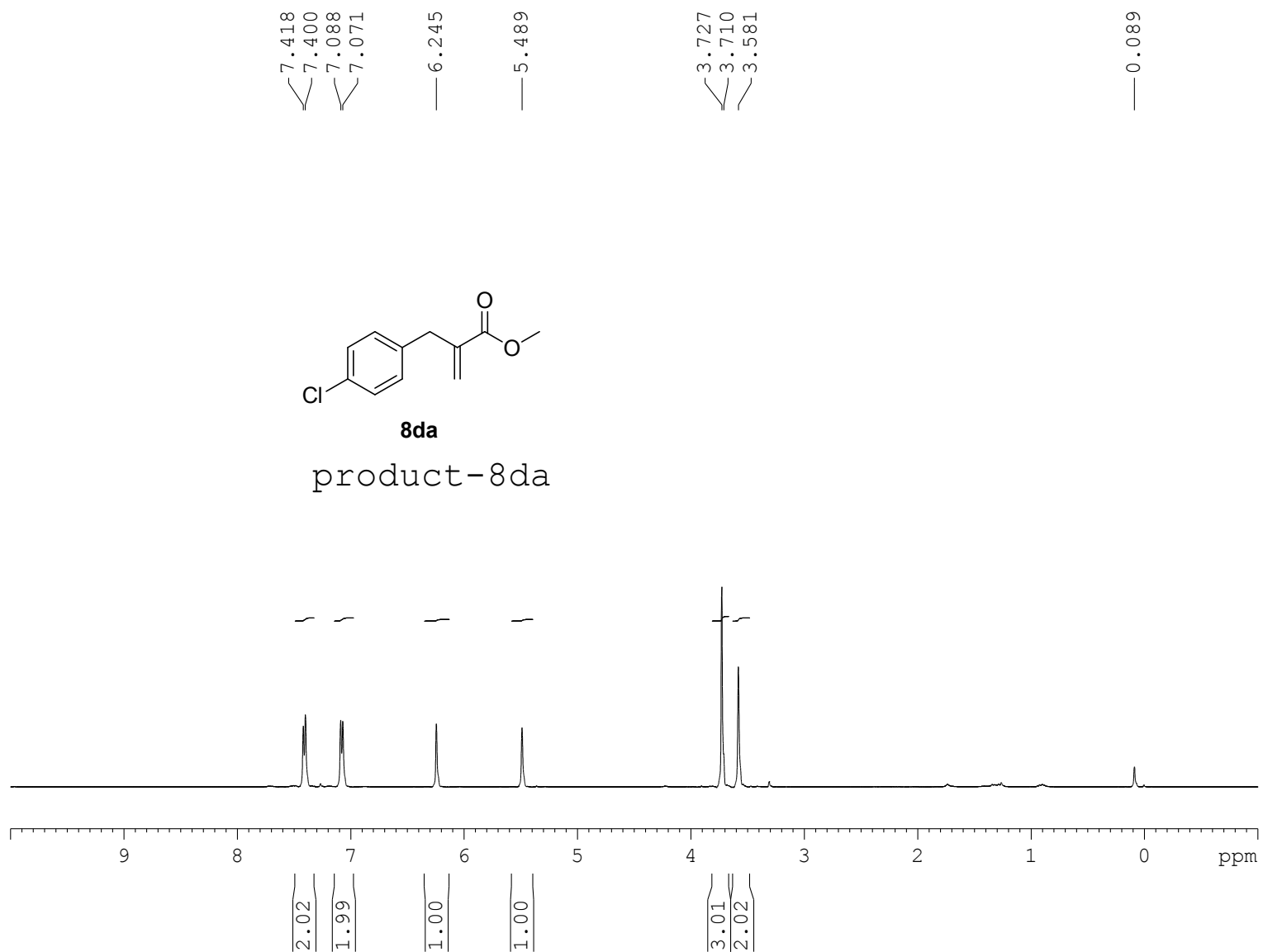
product-8ca

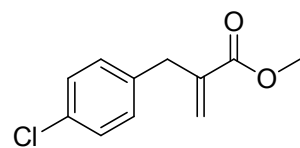




8da

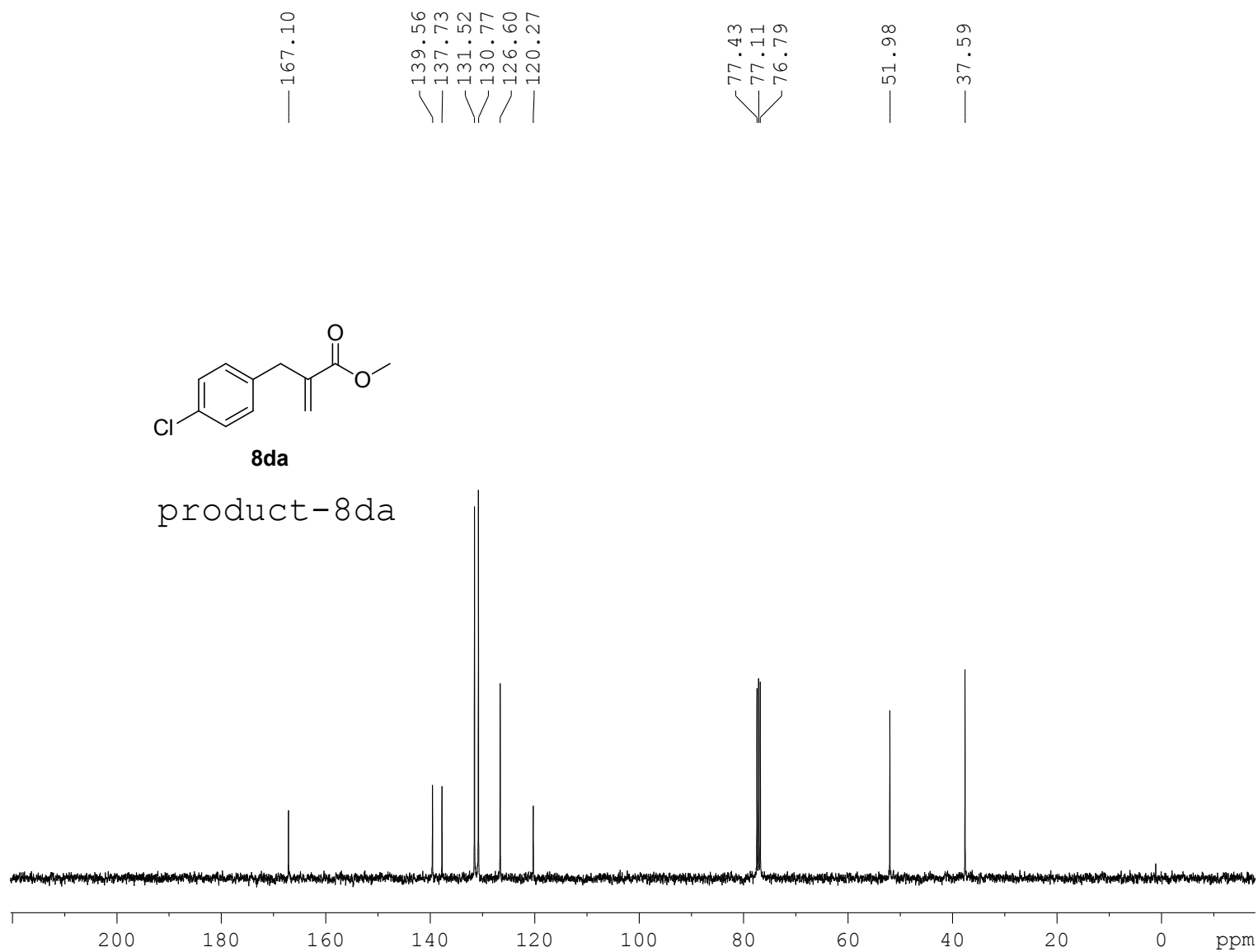
product-8da

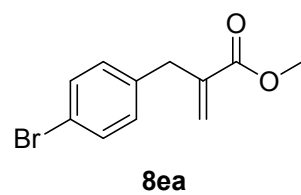




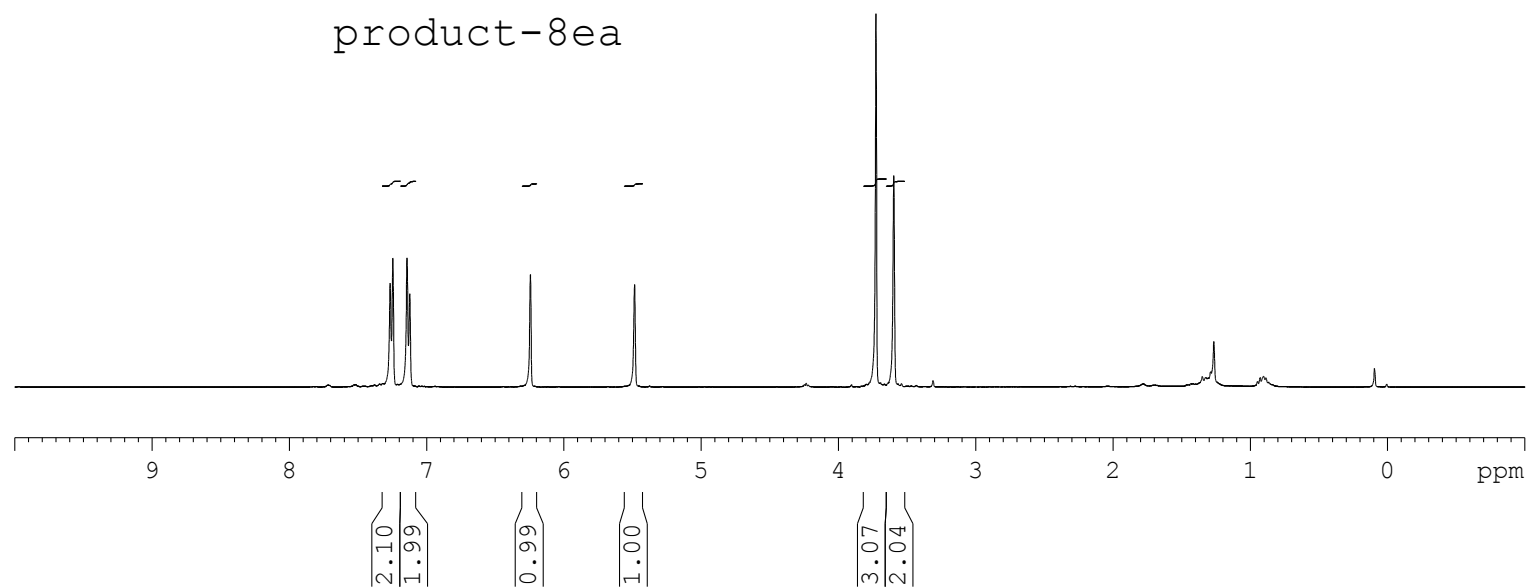
8da

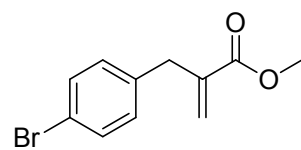
product-8da





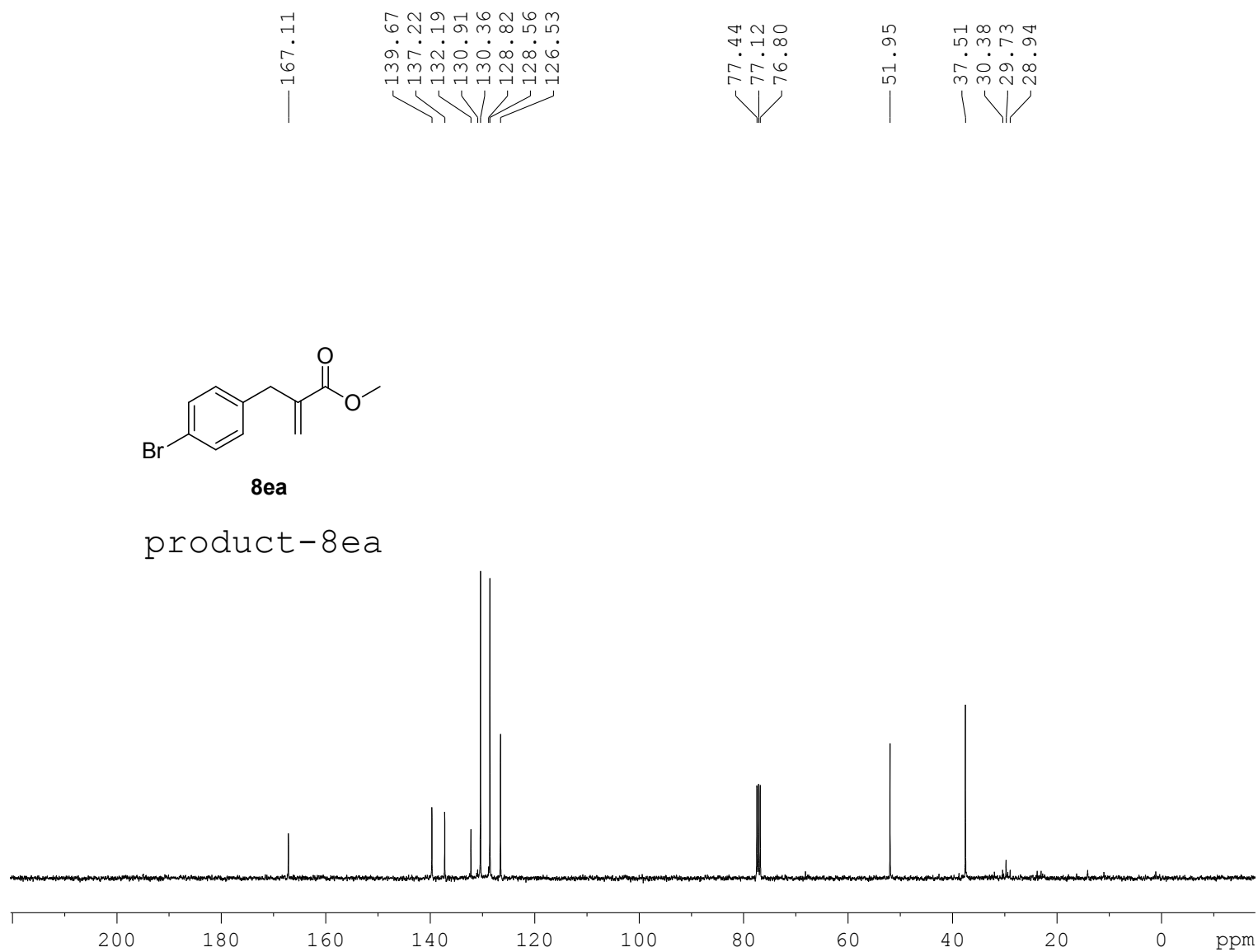
product-8ea





8ea

product-8ea

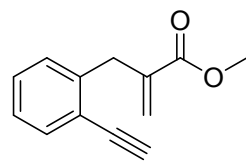


7.515
7.497
7.313
7.294
7.276
7.229
7.212
7.197
7.178
— 6.260

— 5.388

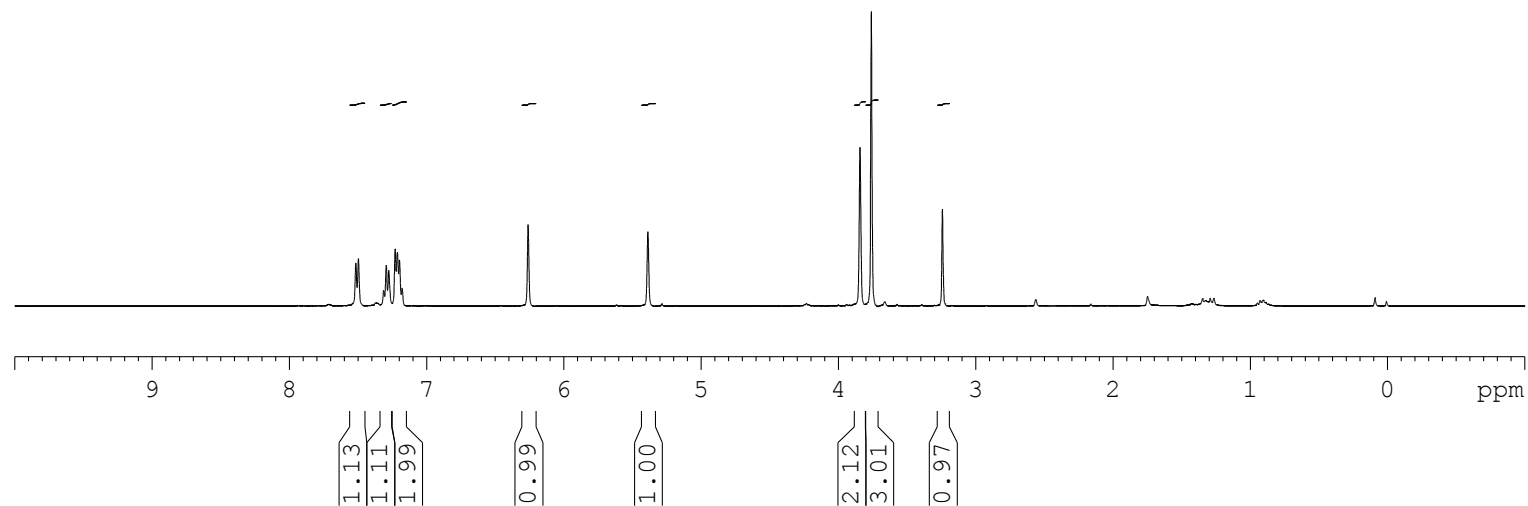
3.843
3.760

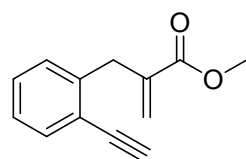
— 3.242



8fa

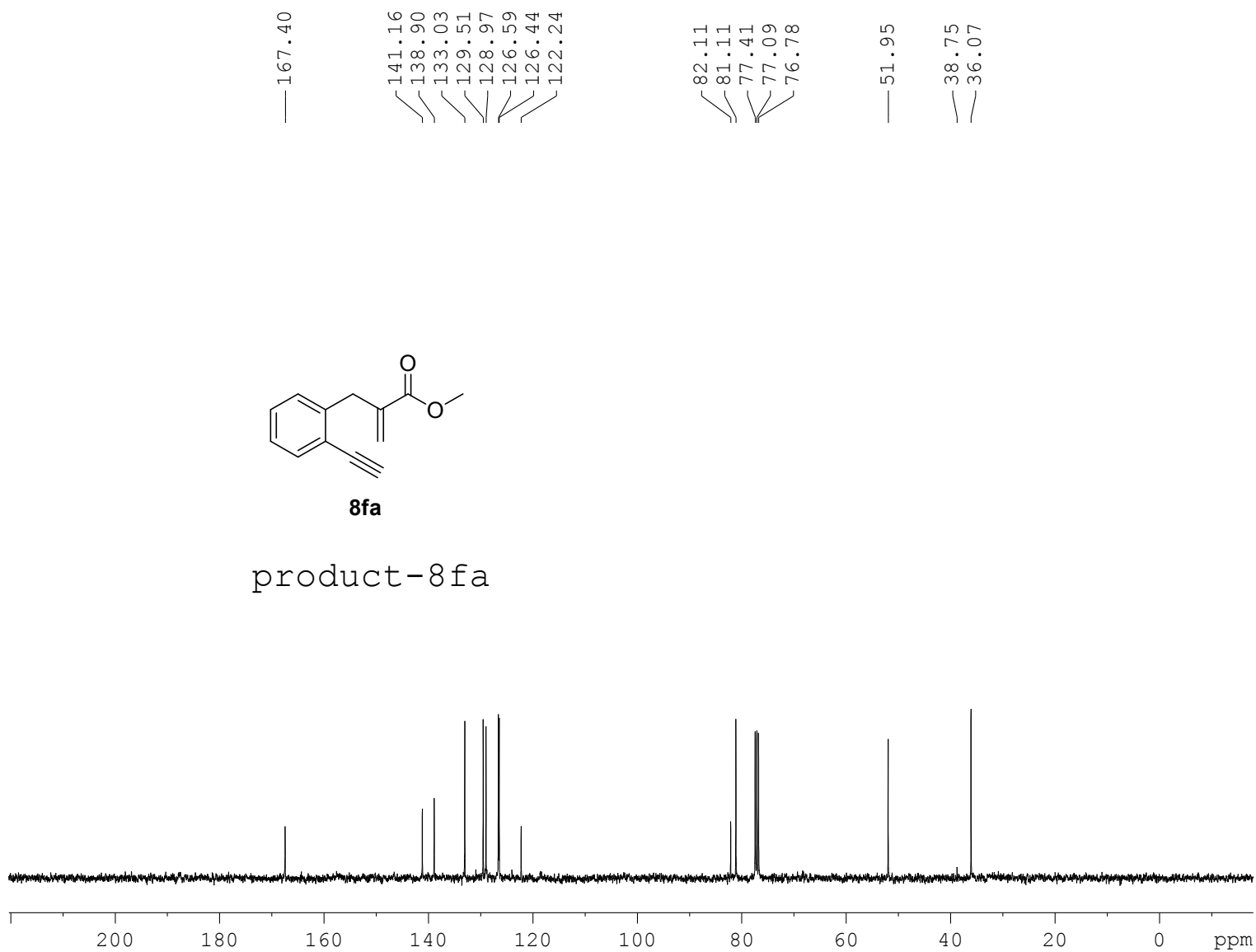
product-8fa

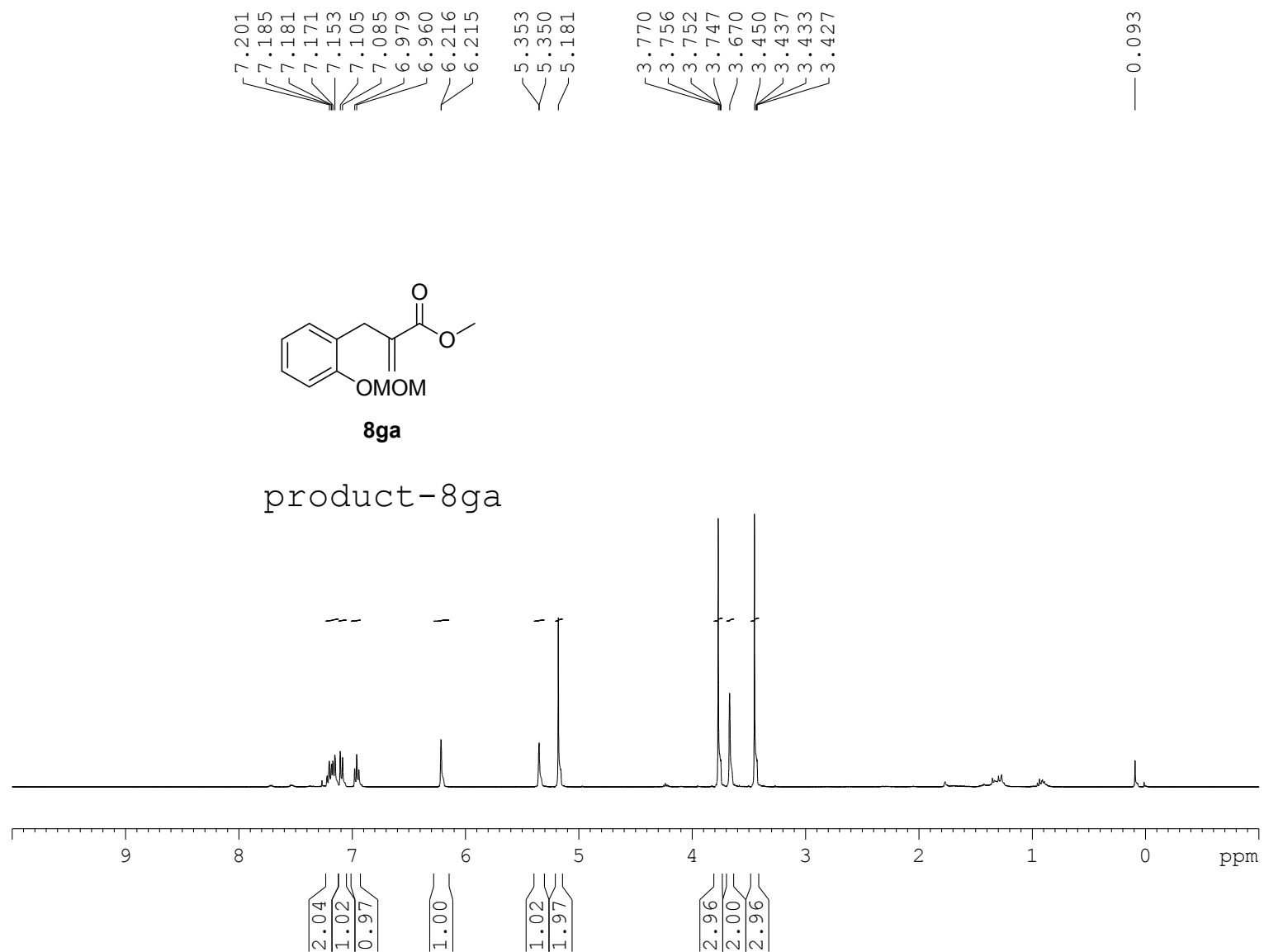


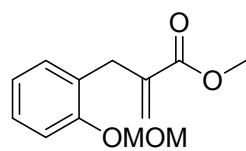


8fa

product-8fa

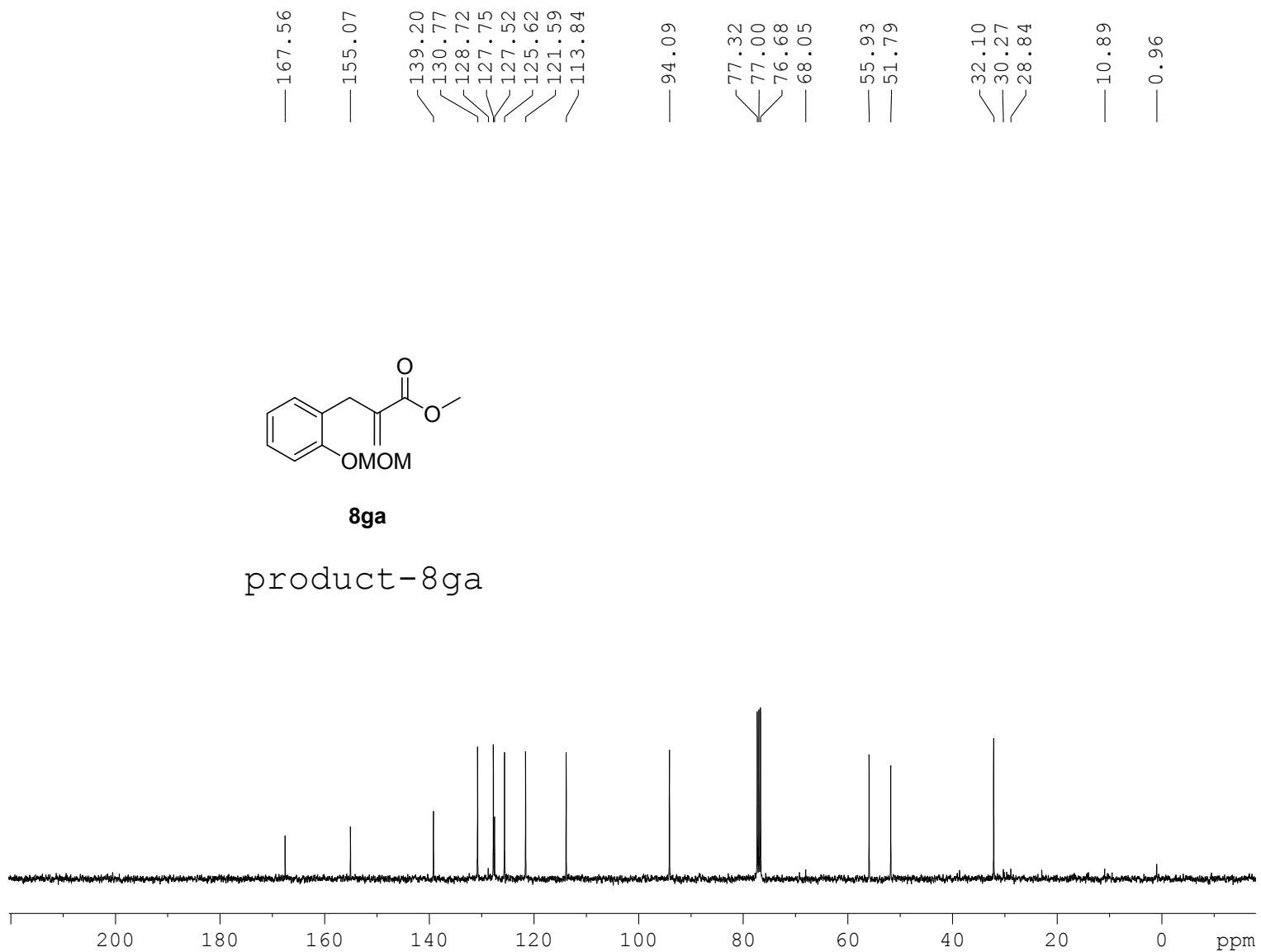


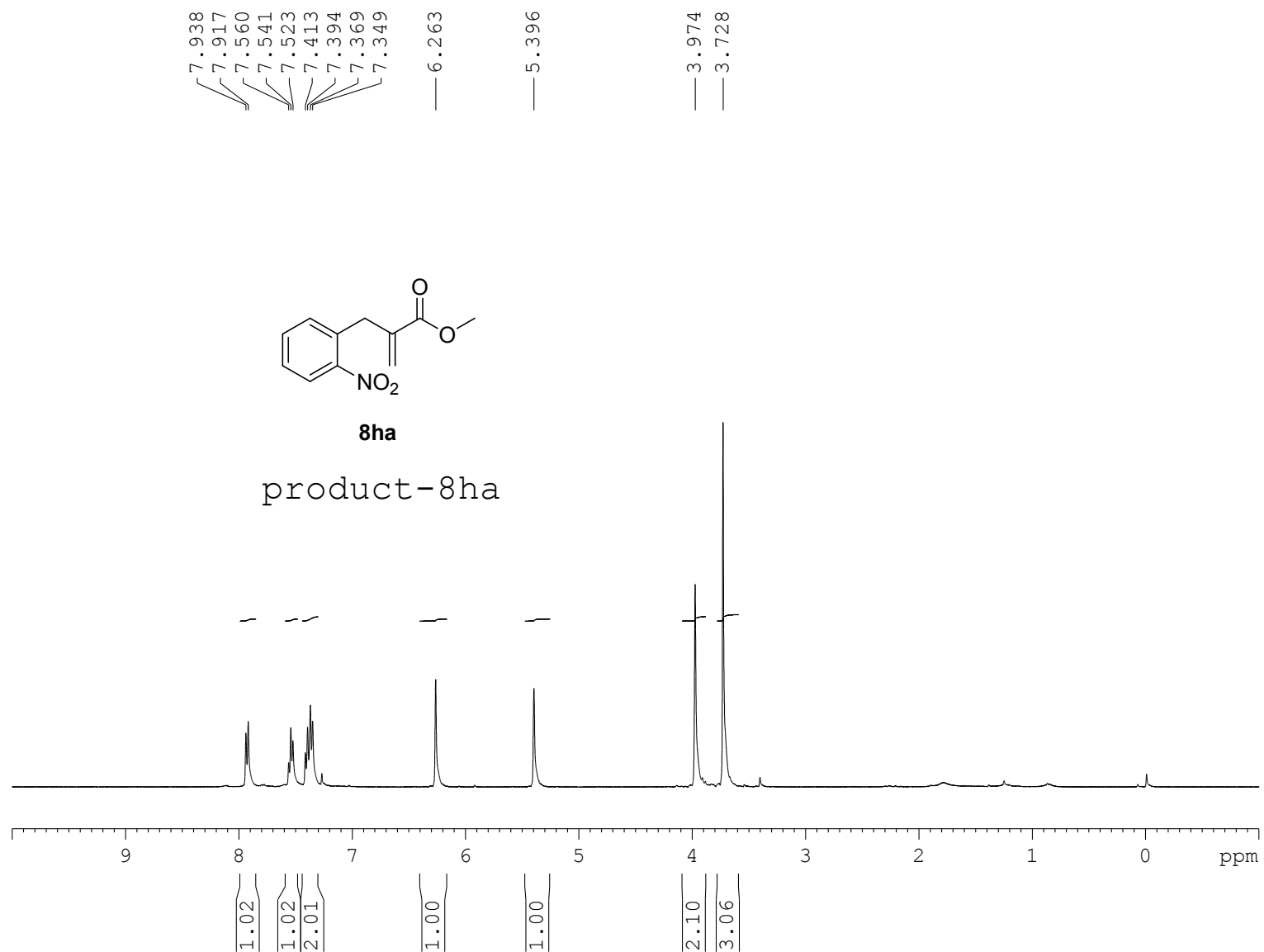




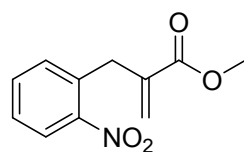
8ga

product-8ga



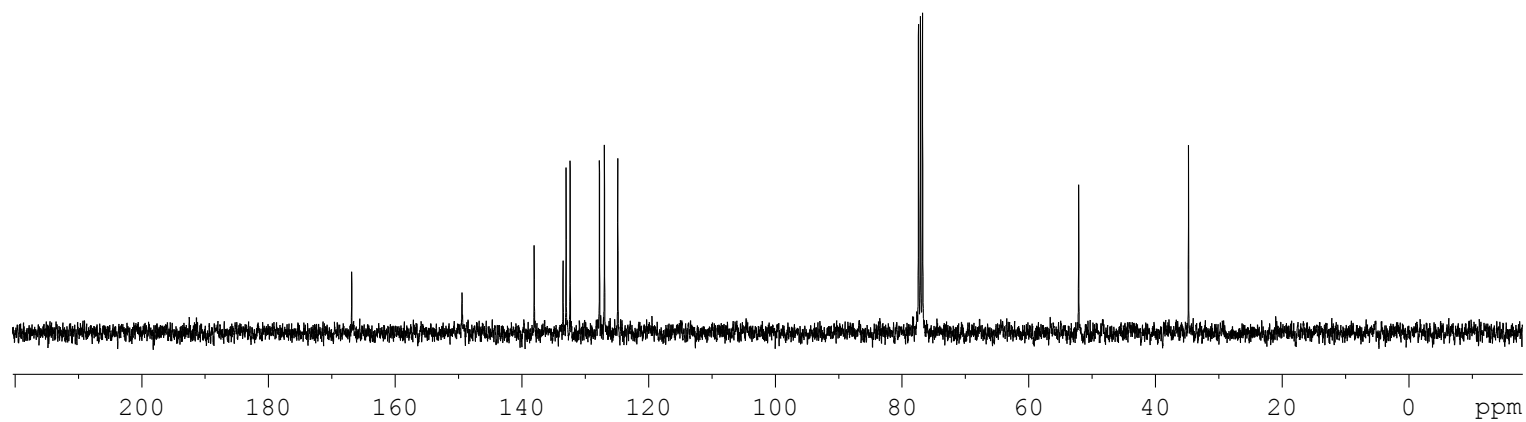


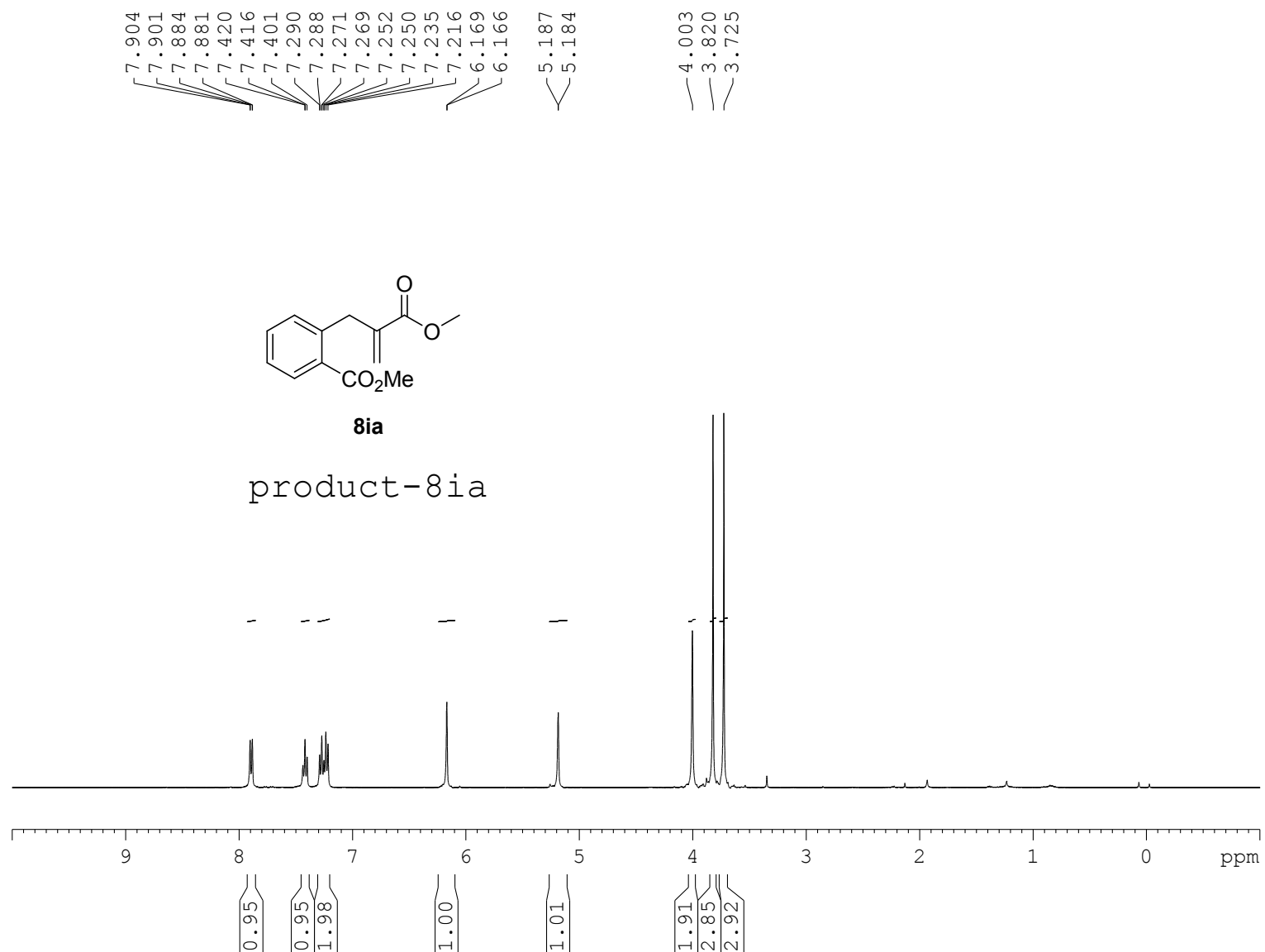
— 166.82
 — 149.44
 138.06
 133.49
 133.02
 132.38
 127.75
 126.96
 124.86
 77.39
 77.07
 76.75
 — 52.10
 — 34.77



8ha

product-8ha





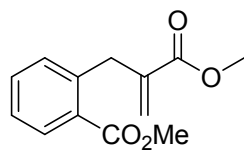
167.53
167.26

139.98
139.92
131.93
131.45
130.70
129.81
126.45
125.53

77.32
77.01
76.69

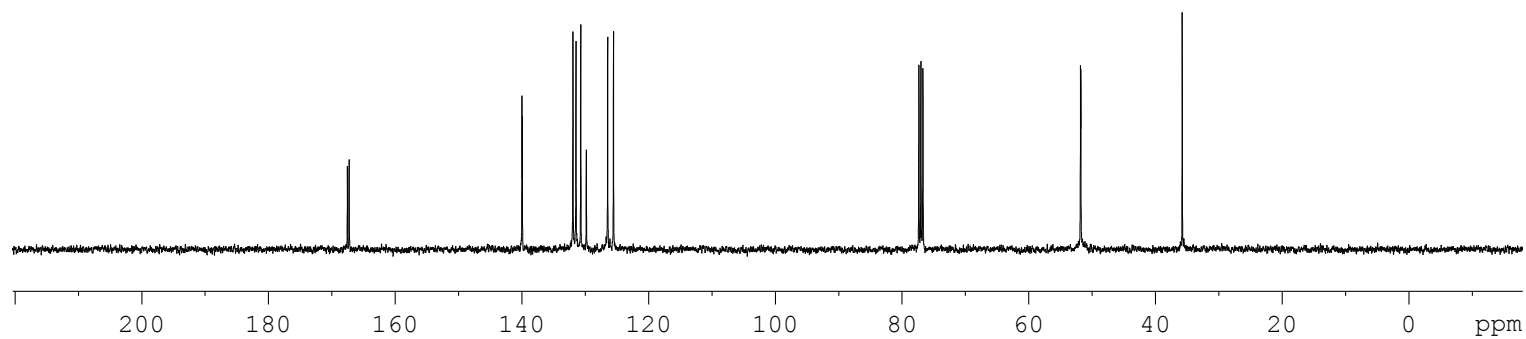
51.82
51.76

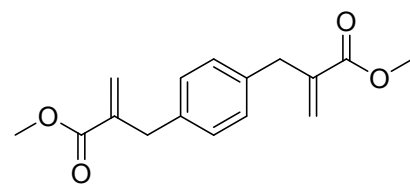
35.76



8ia

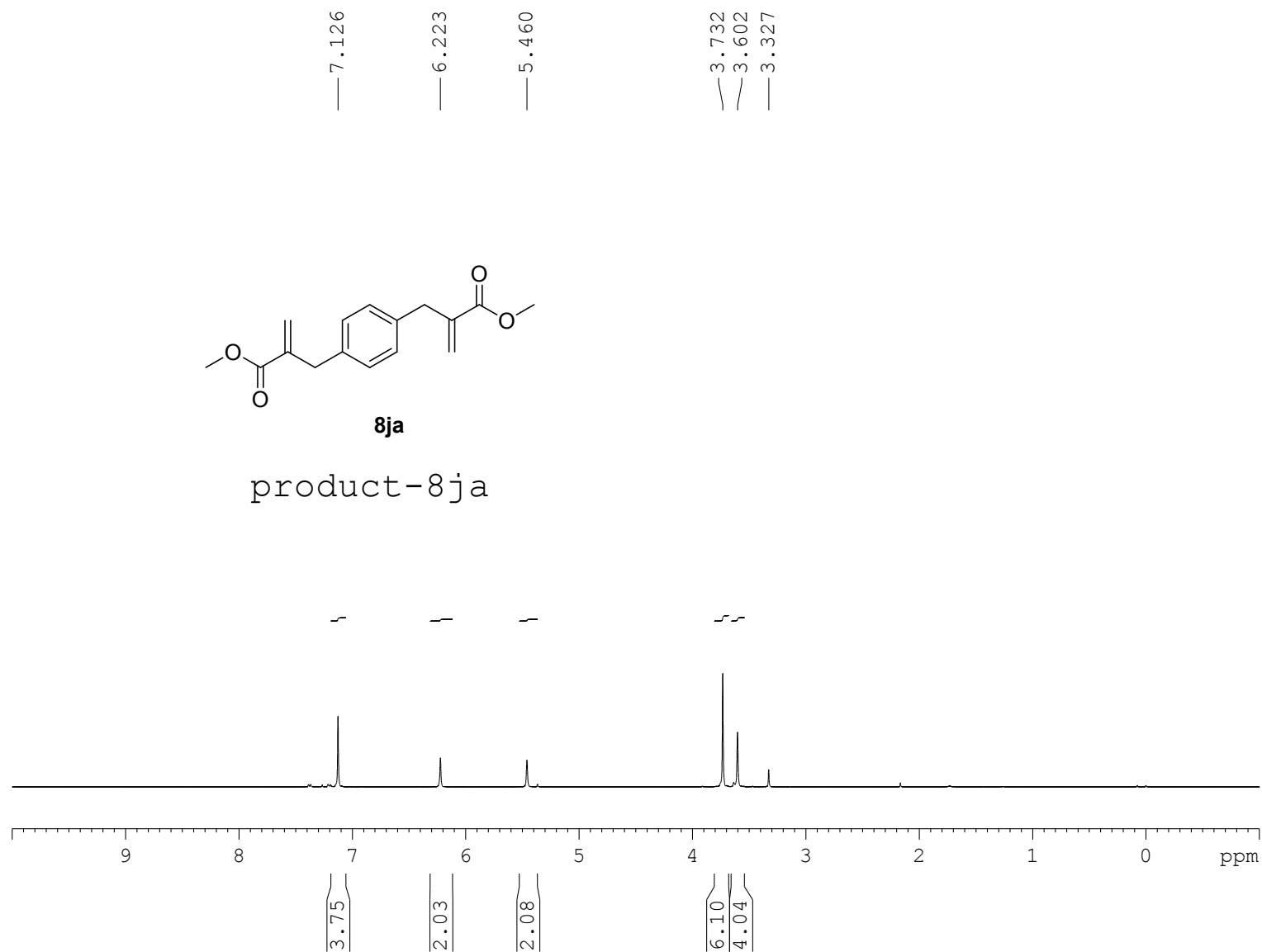
product-8ia

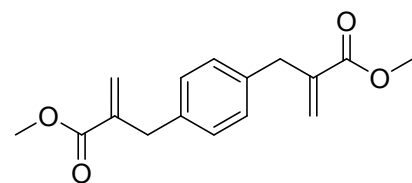




8ja

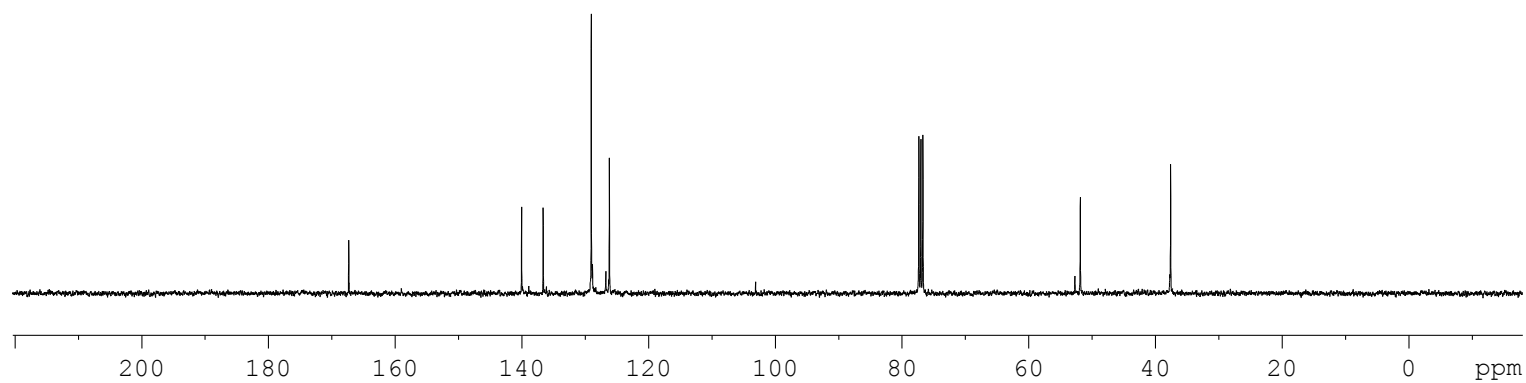
product-8ja

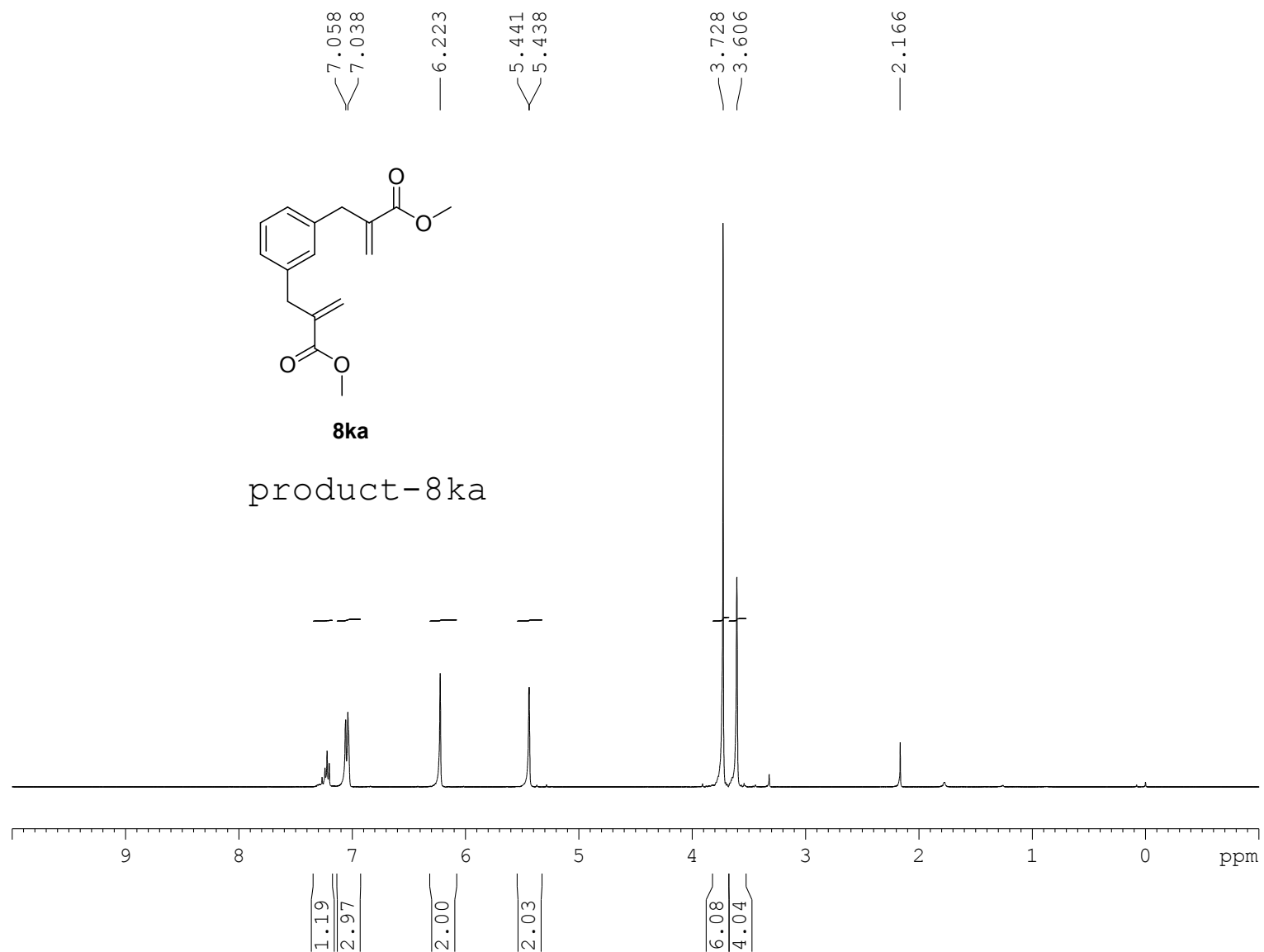


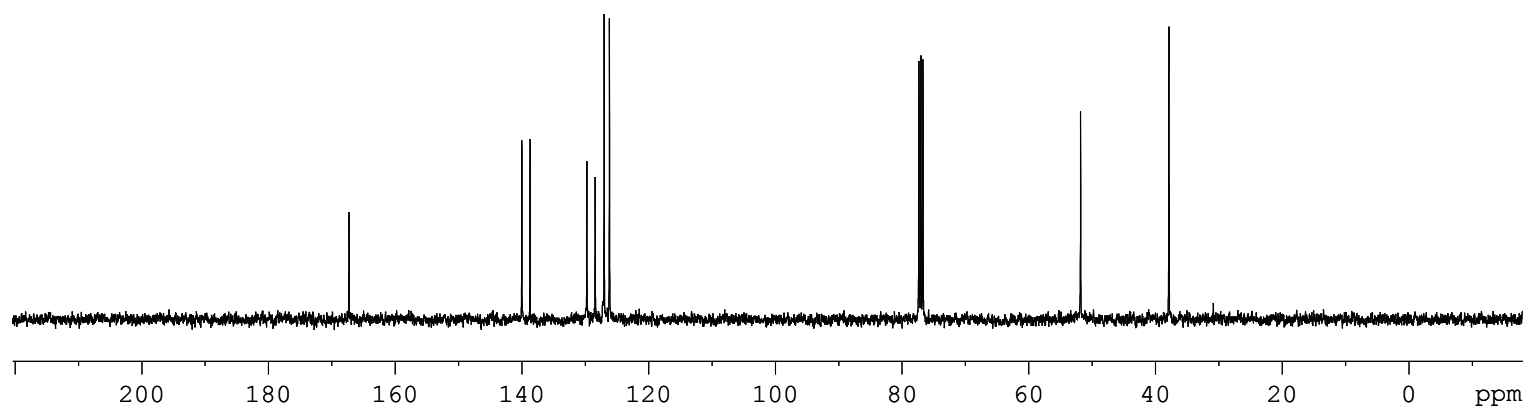
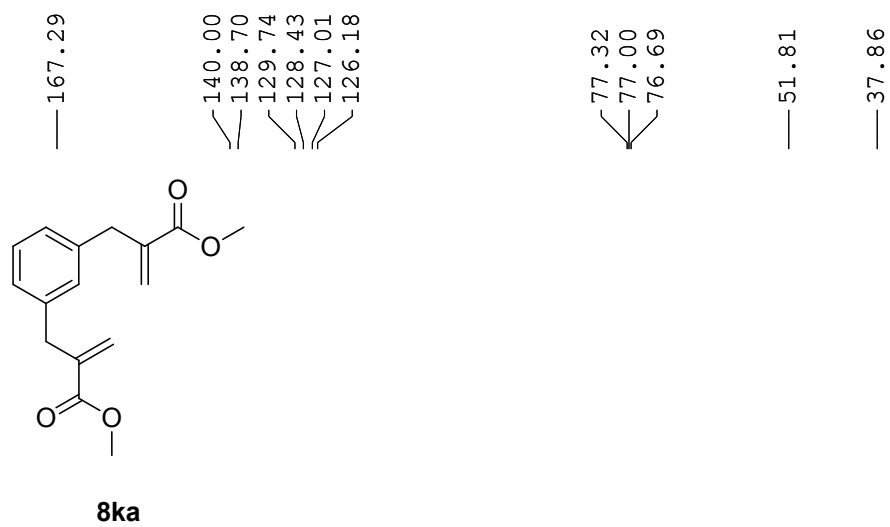


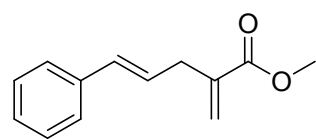
8ja

product-8ja



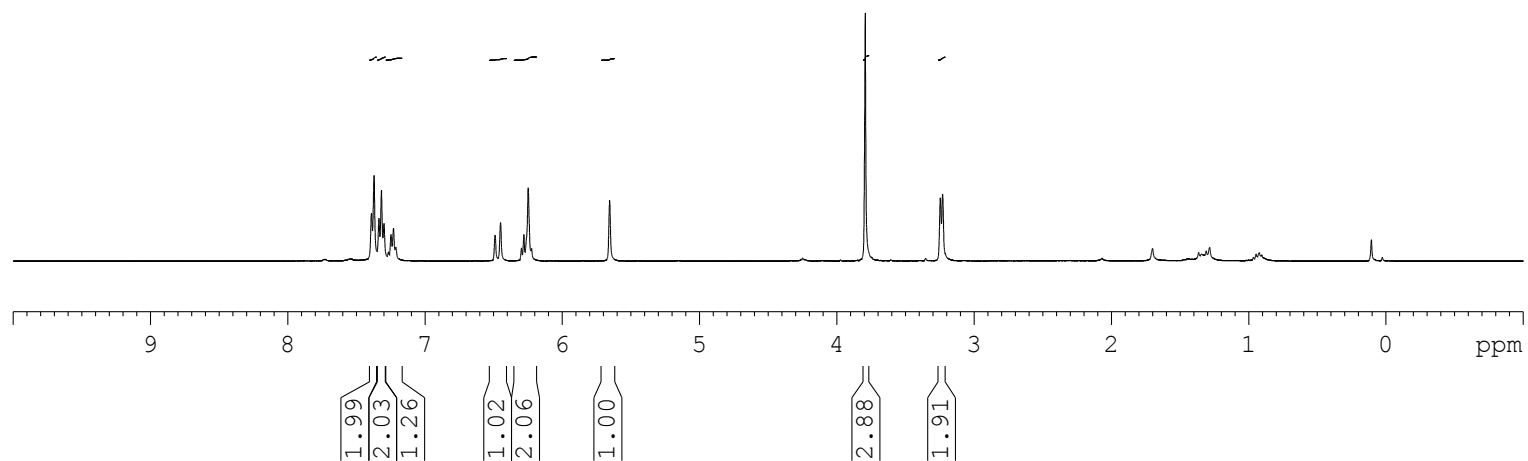


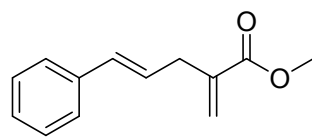




8la

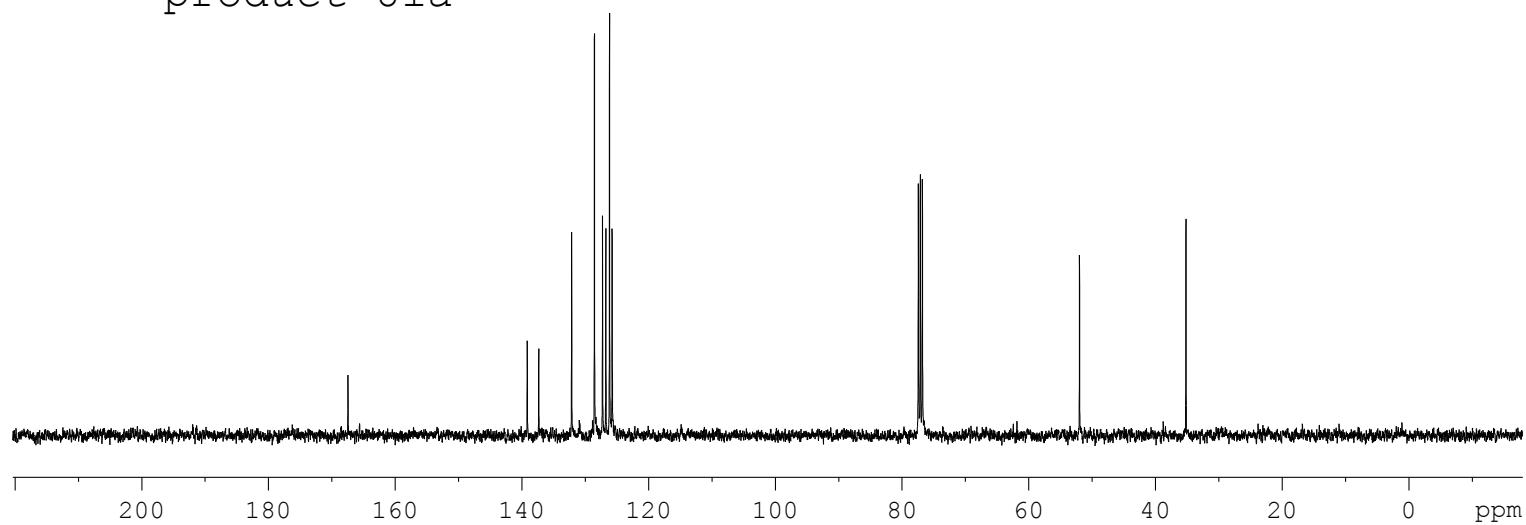
product-8la

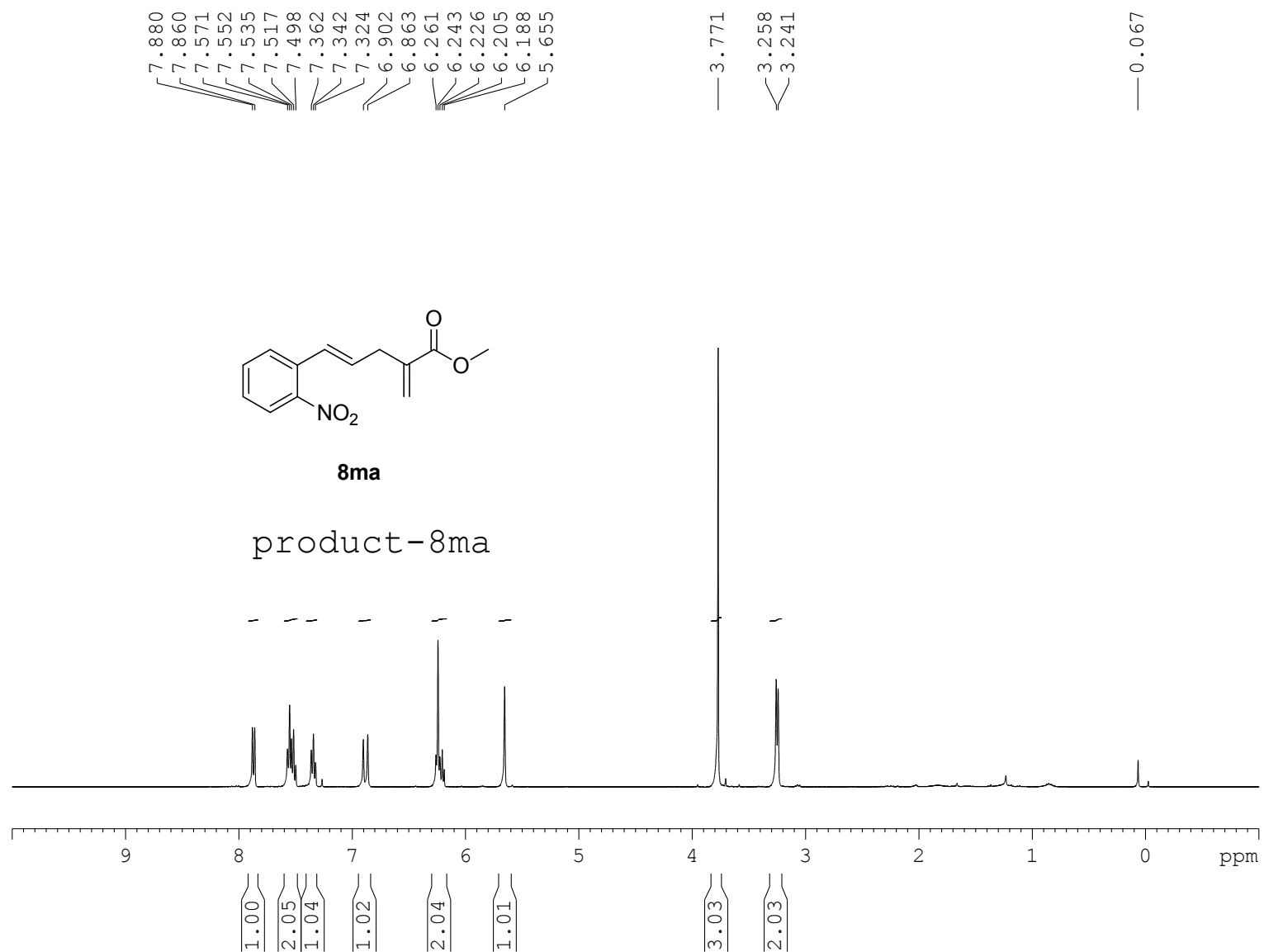


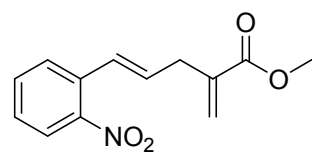


8la

product-8la

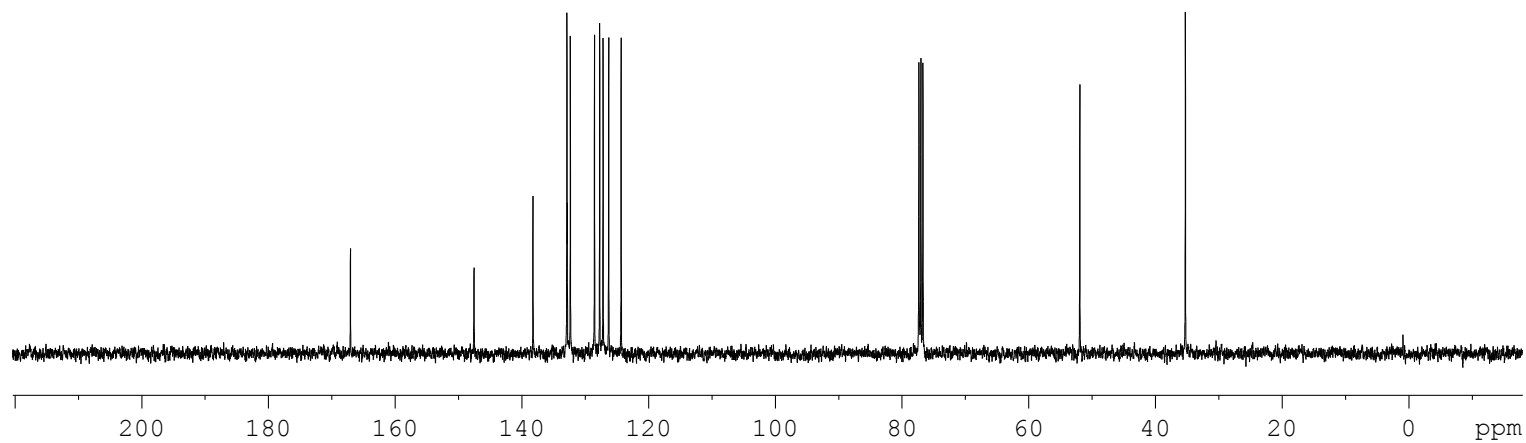




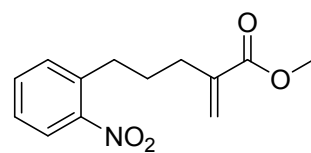


8ma

product-8ma

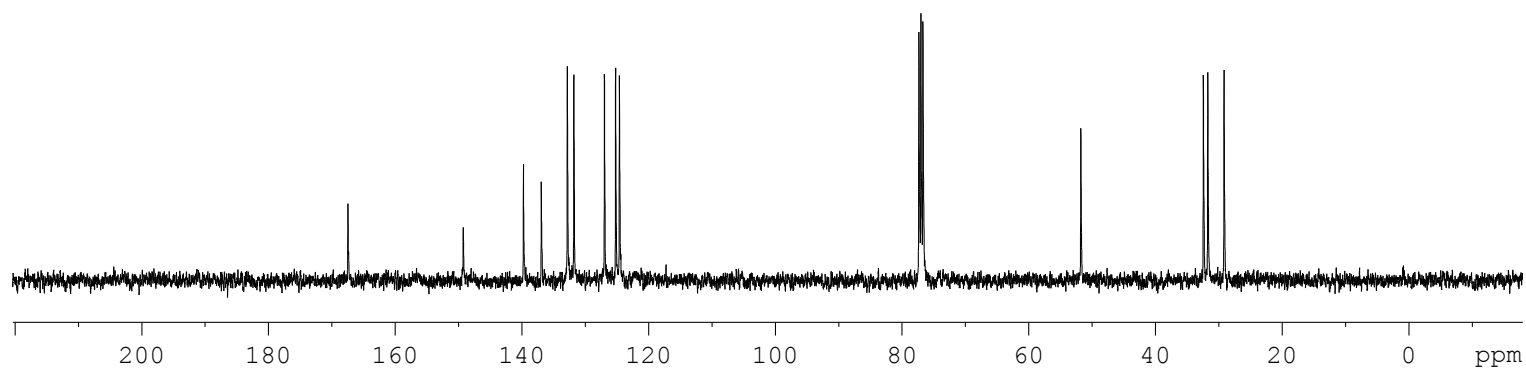






8na

product-8na



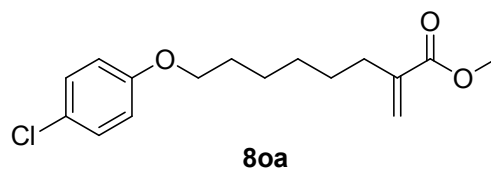


— 167.80
 — 157.71
 — 140.64
 — 129.25
 — 125.28
 — 124.64
 — 115.73

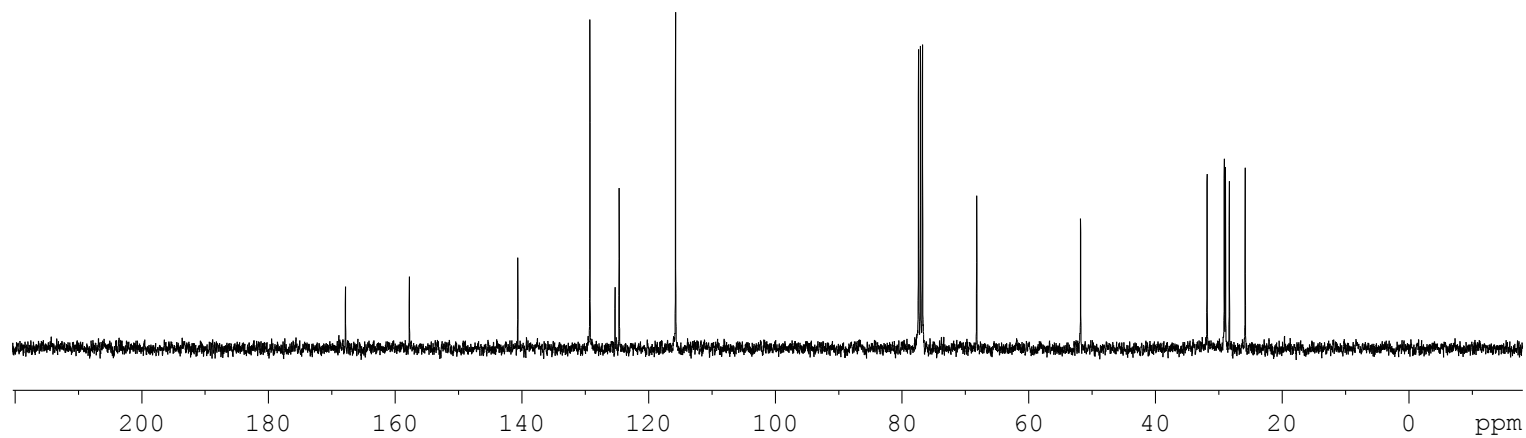
 — 77.38
 — 77.06
 — 76.75
 — 68.19

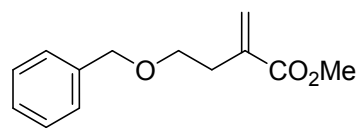
 — 51.79

 — 31.83
 — 29.11
 — 28.92
 — 28.31
 — 25.80



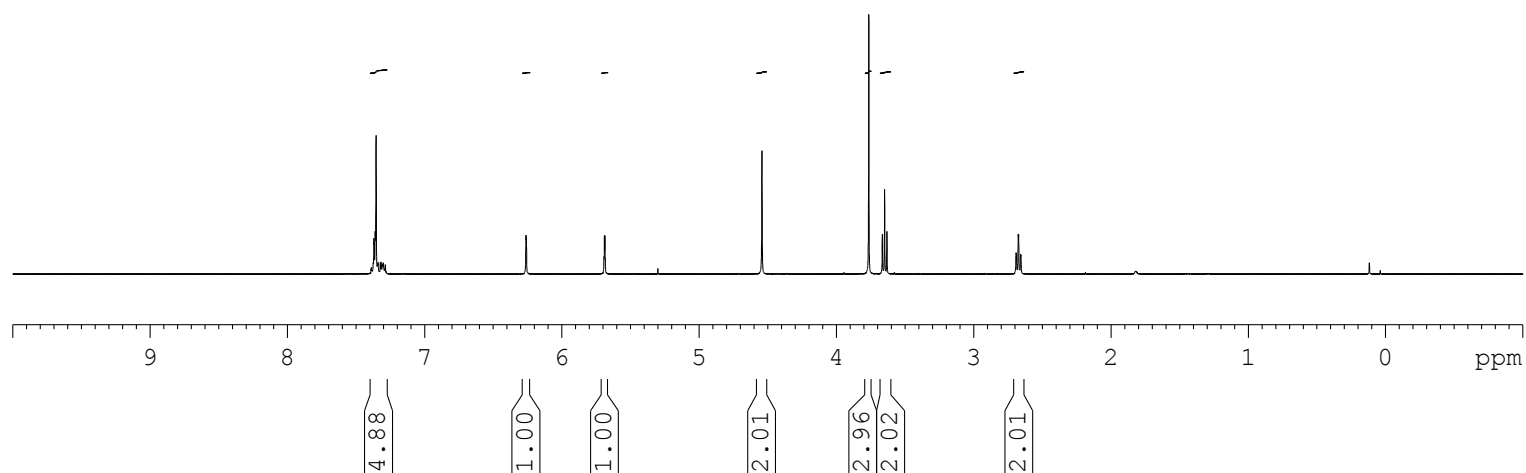
product-8oa

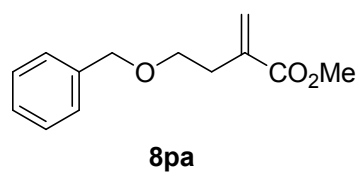




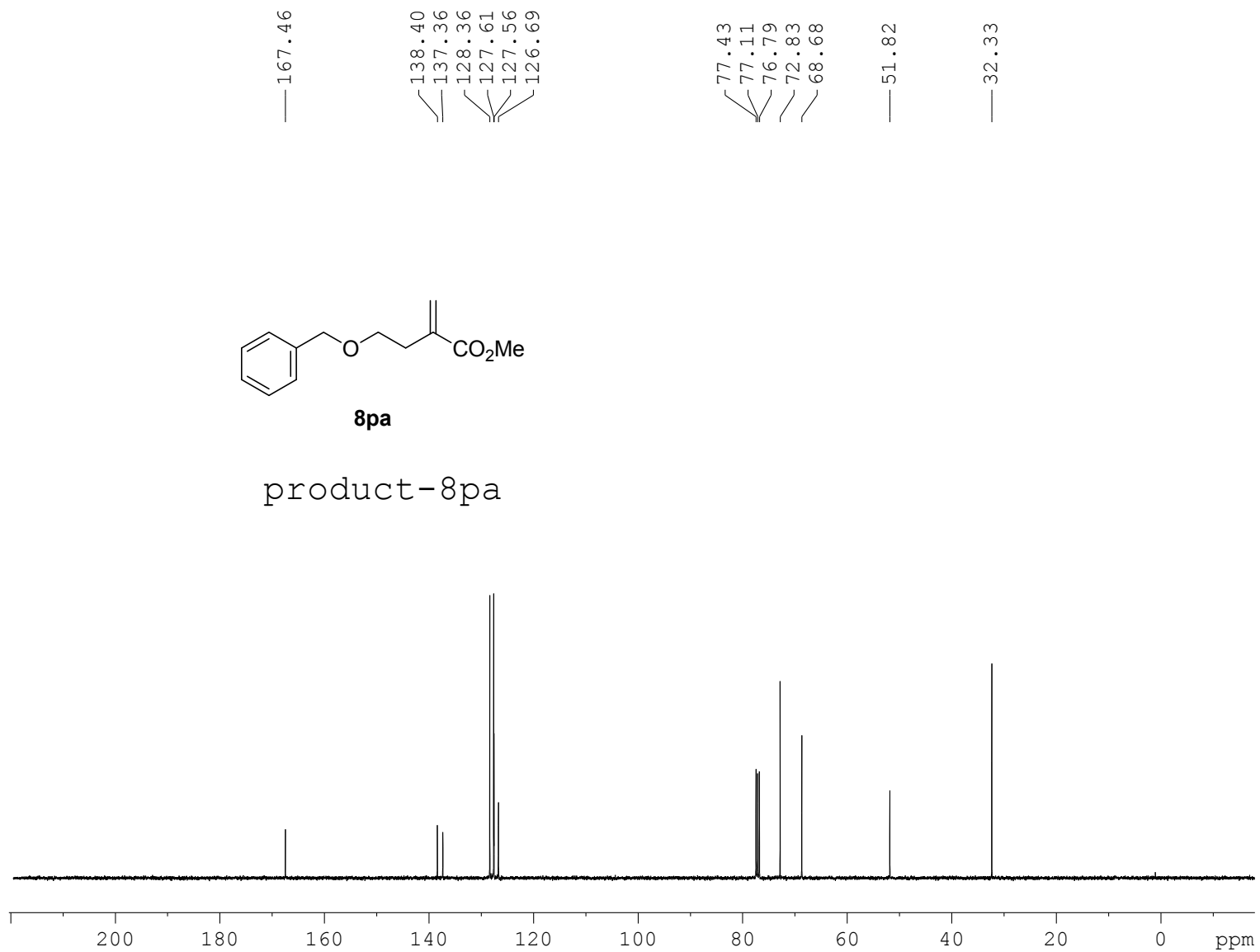
8pa

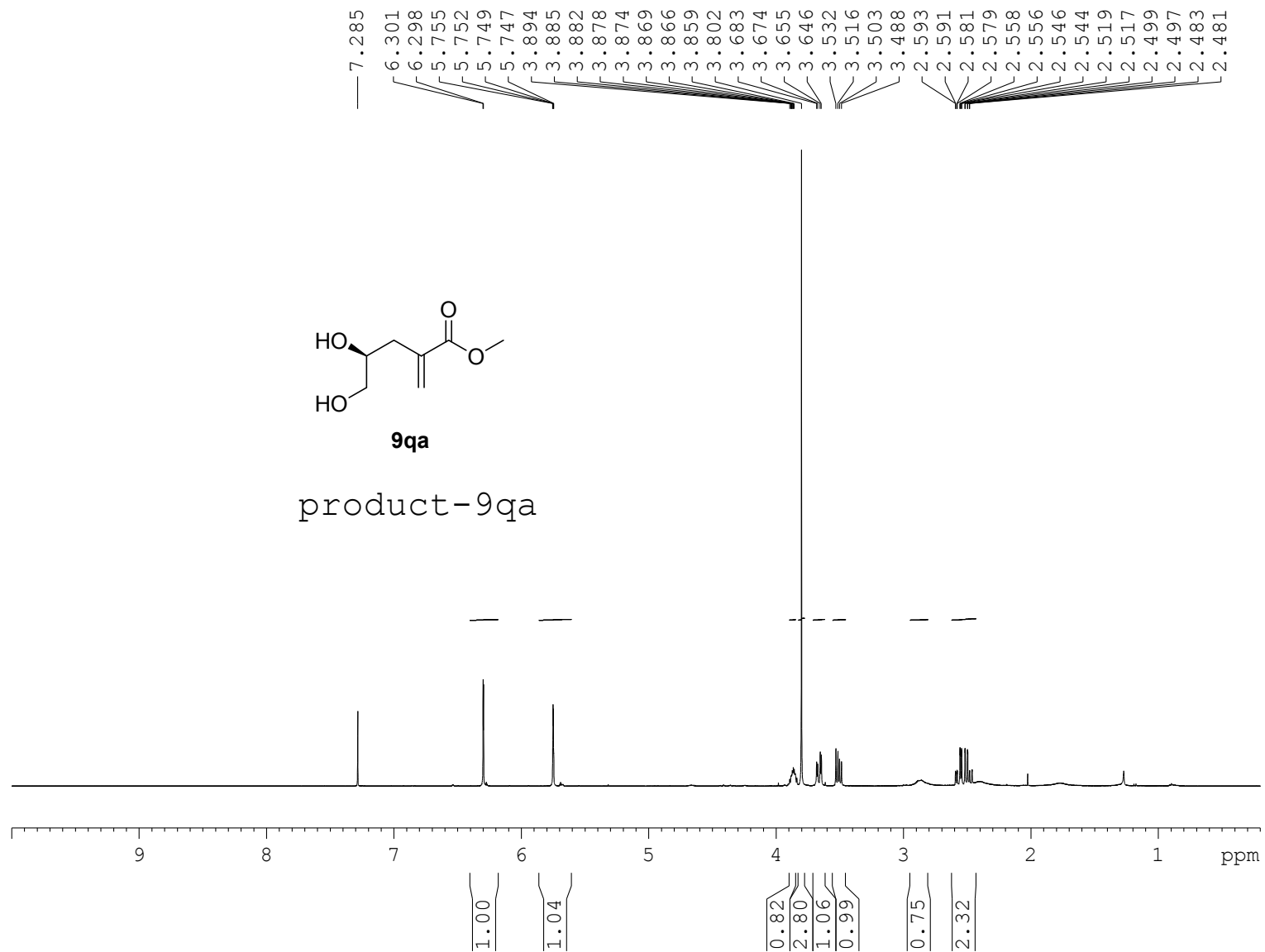
product-8pa

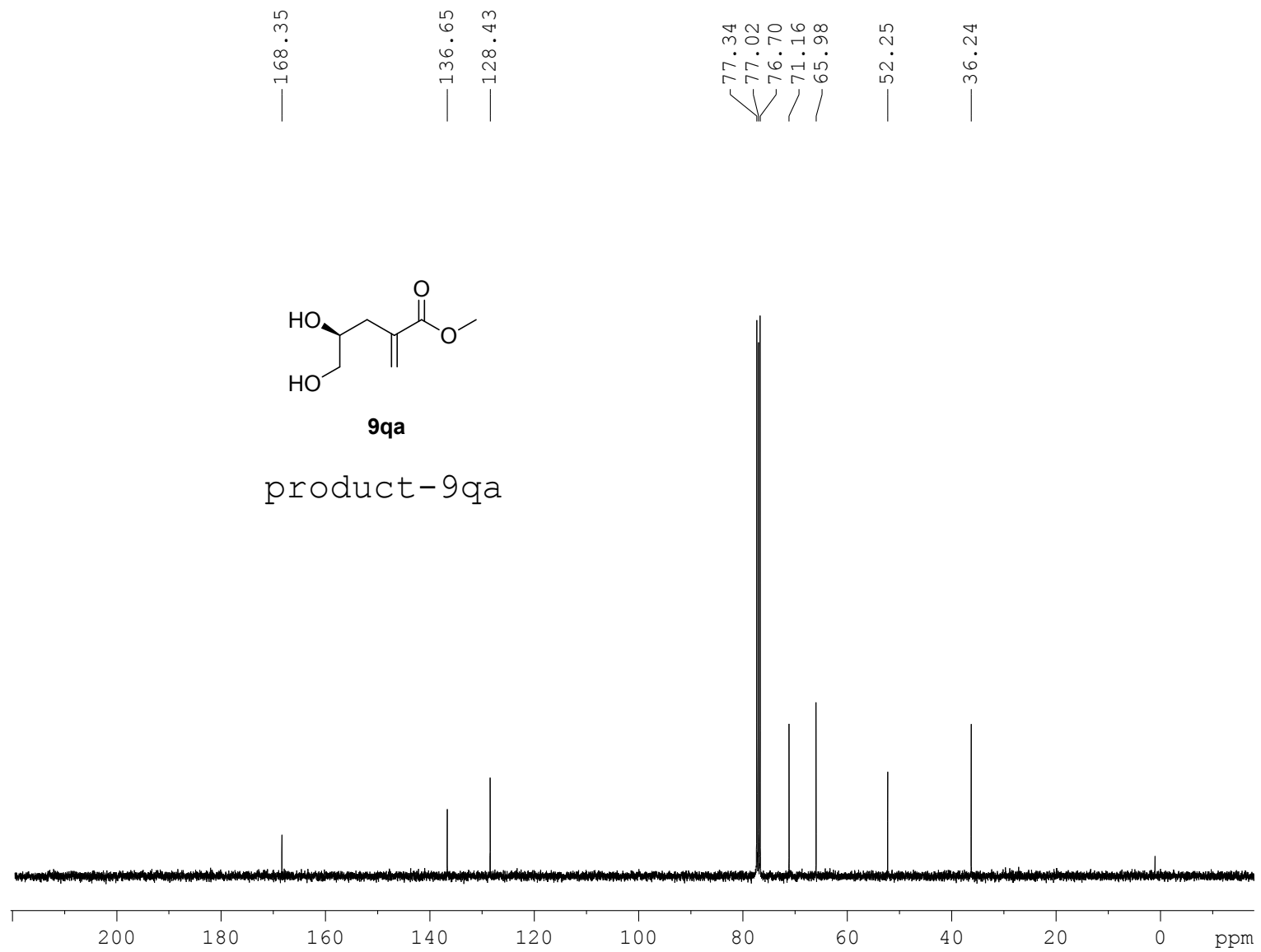


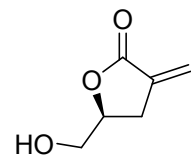


product-8pa



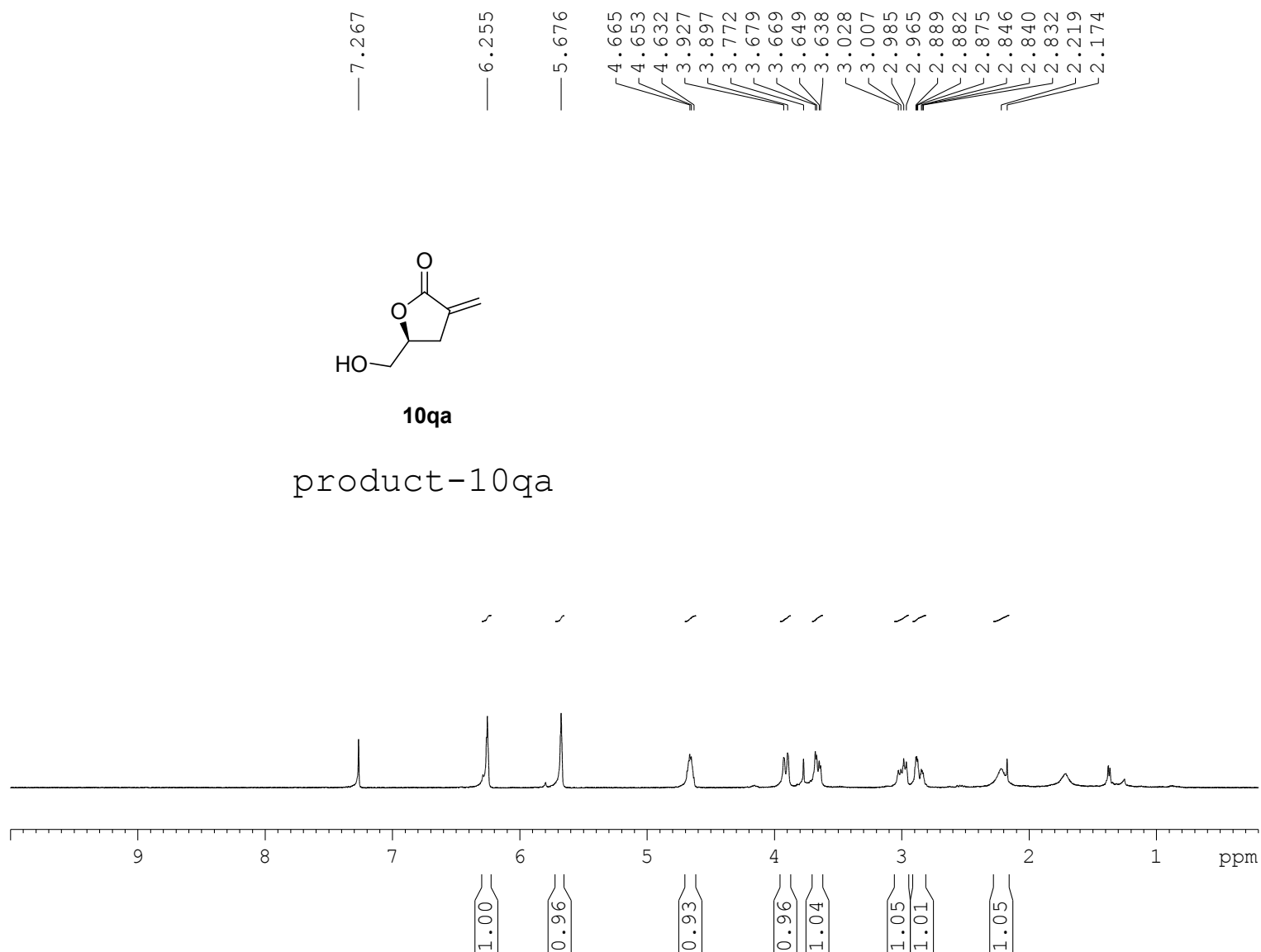


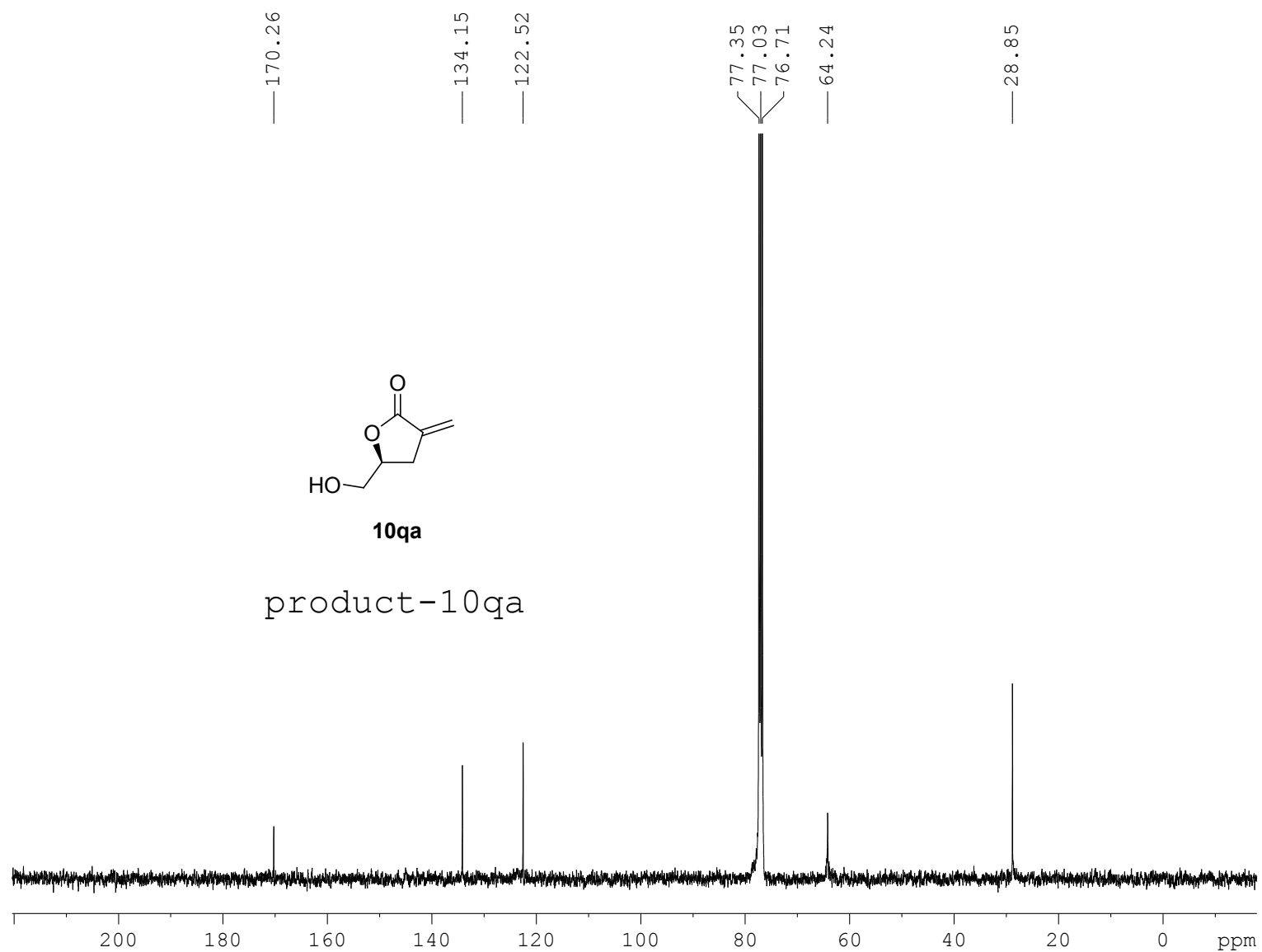


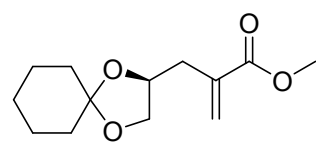


10qa

product-10qa

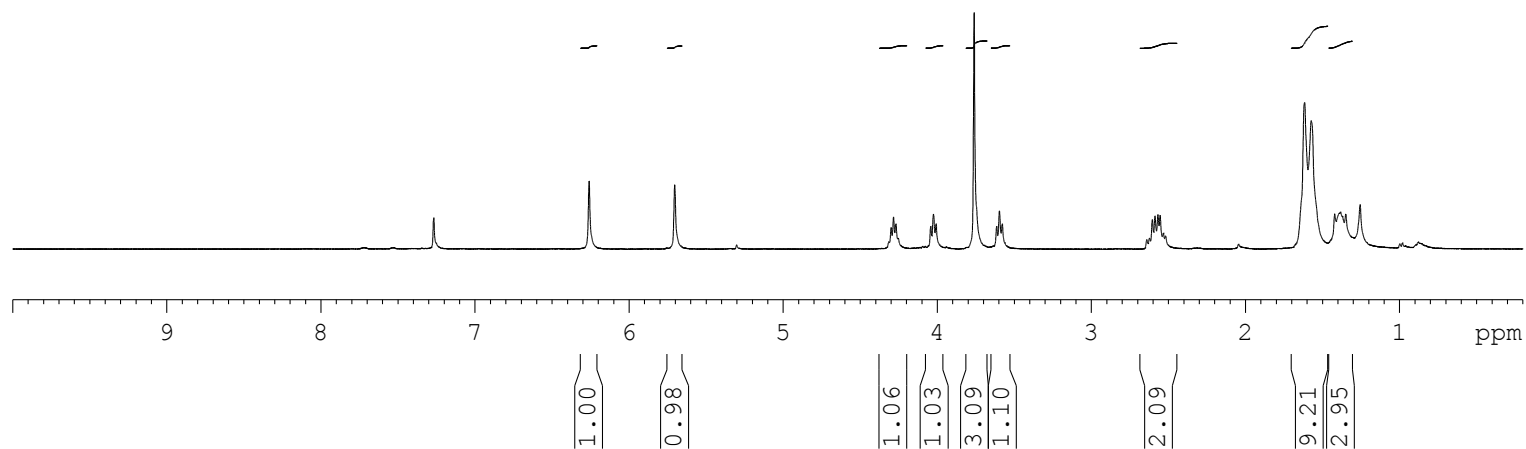


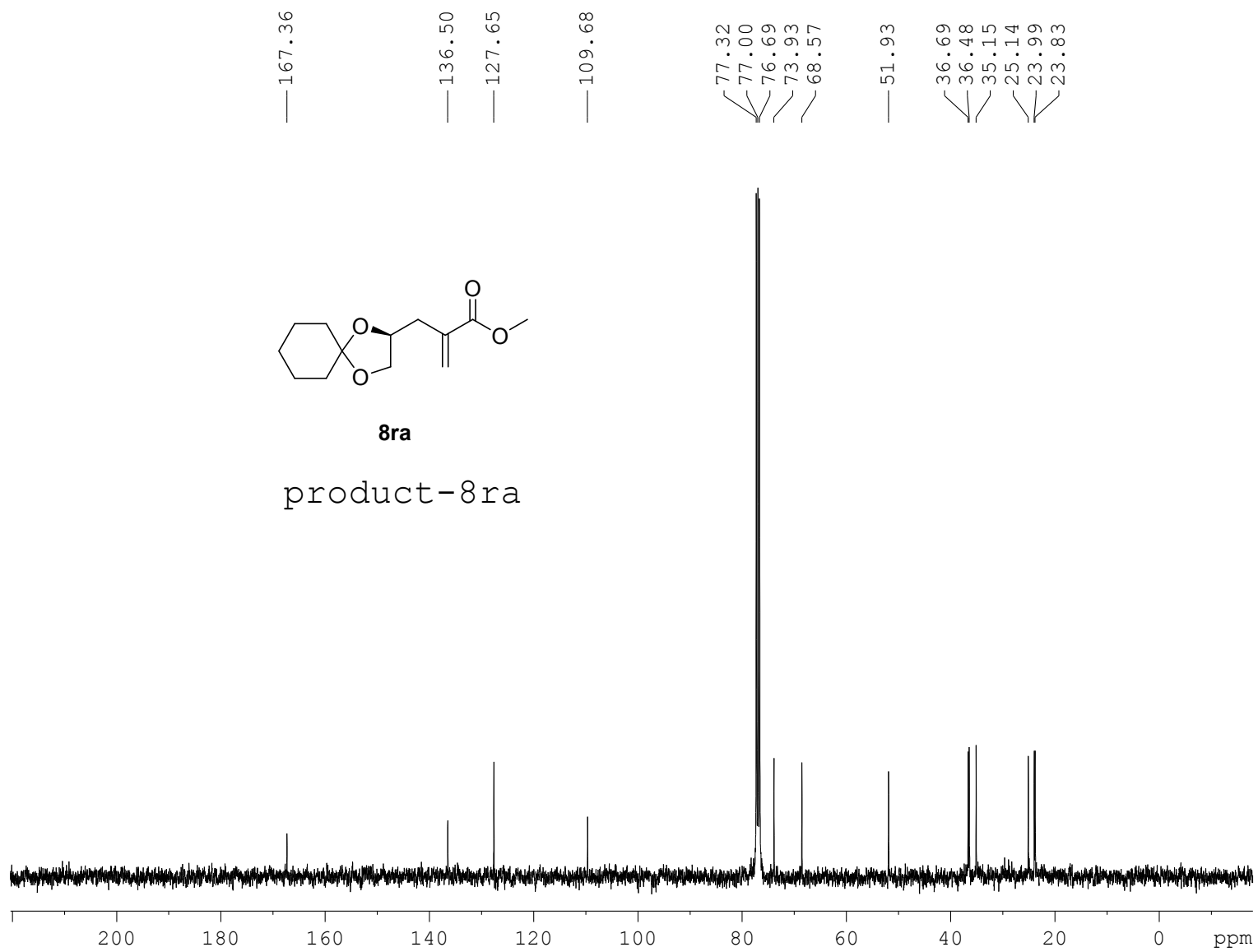


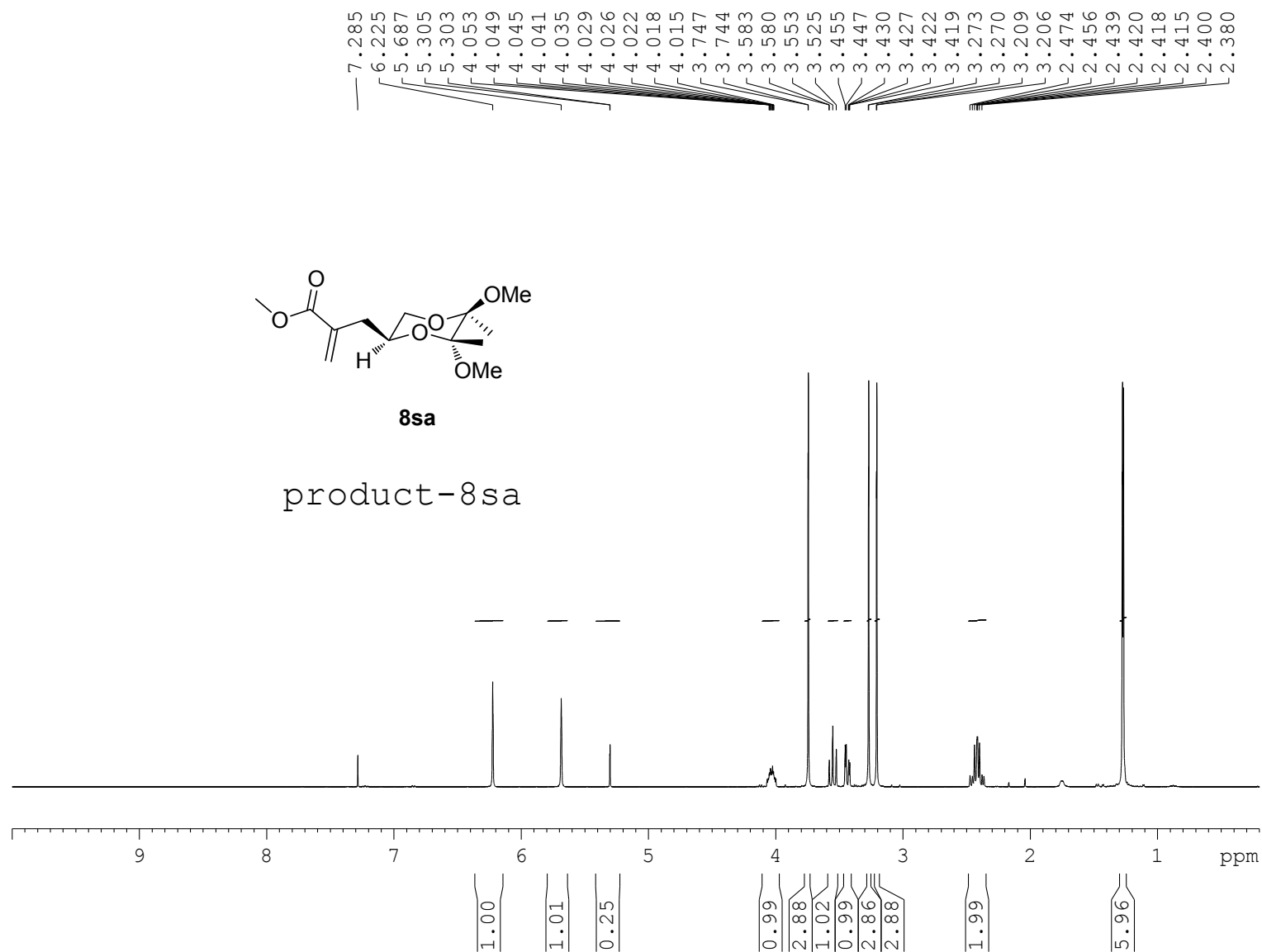


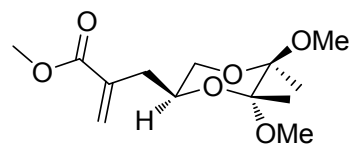
8ra

product-8ra



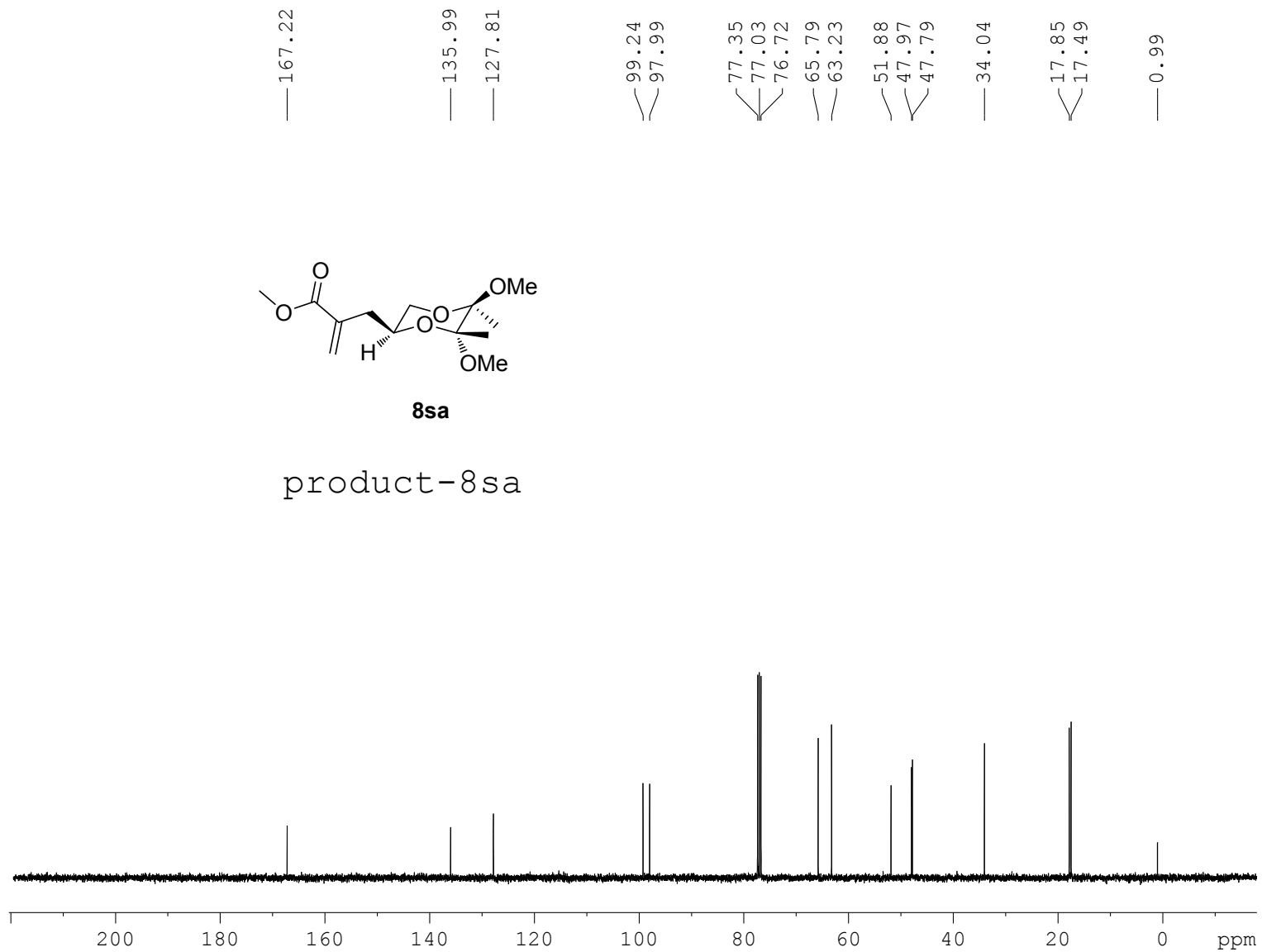


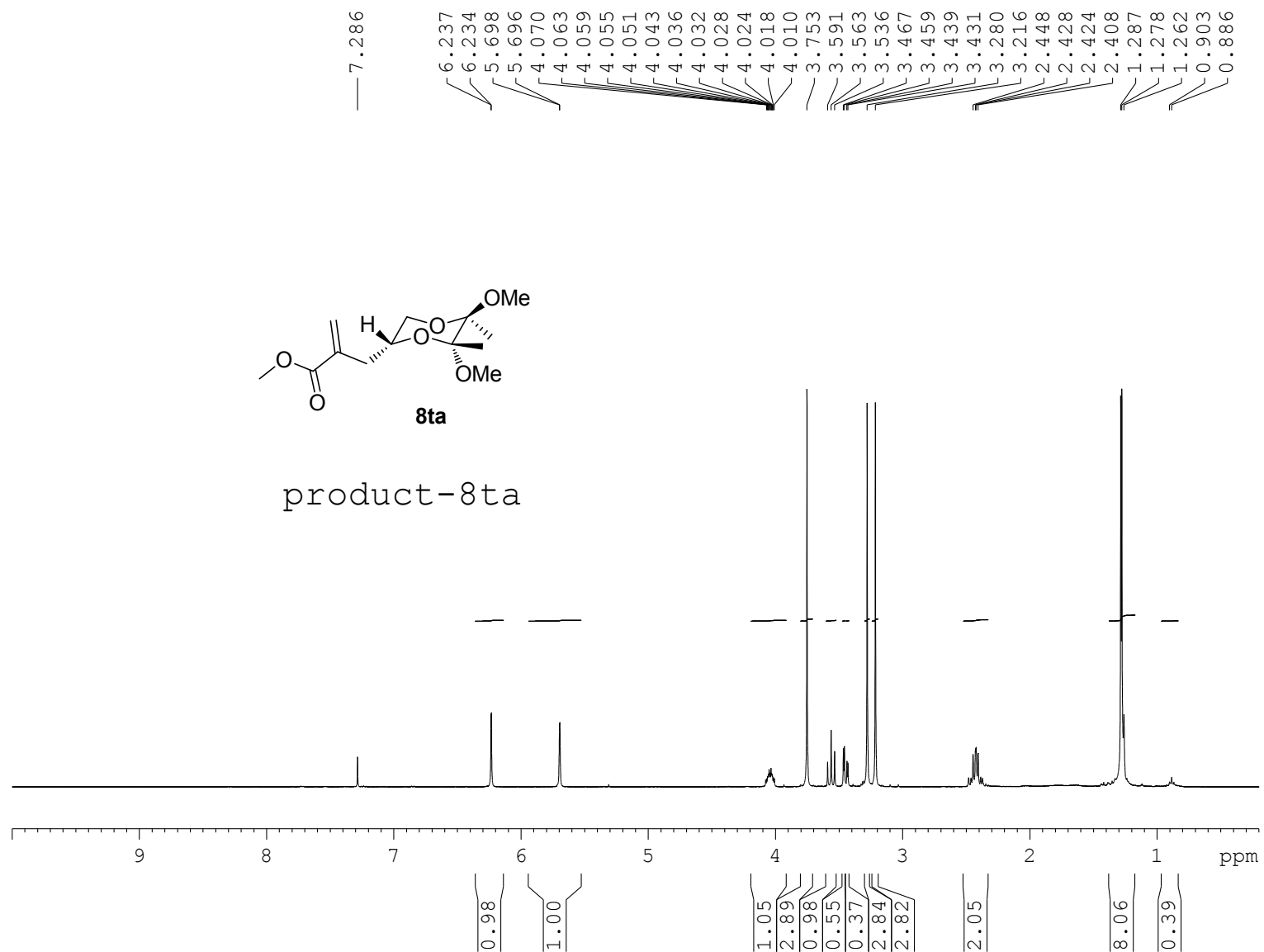


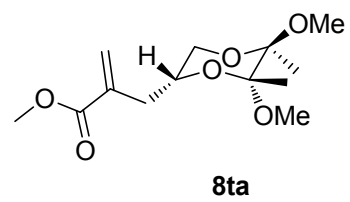


8sa

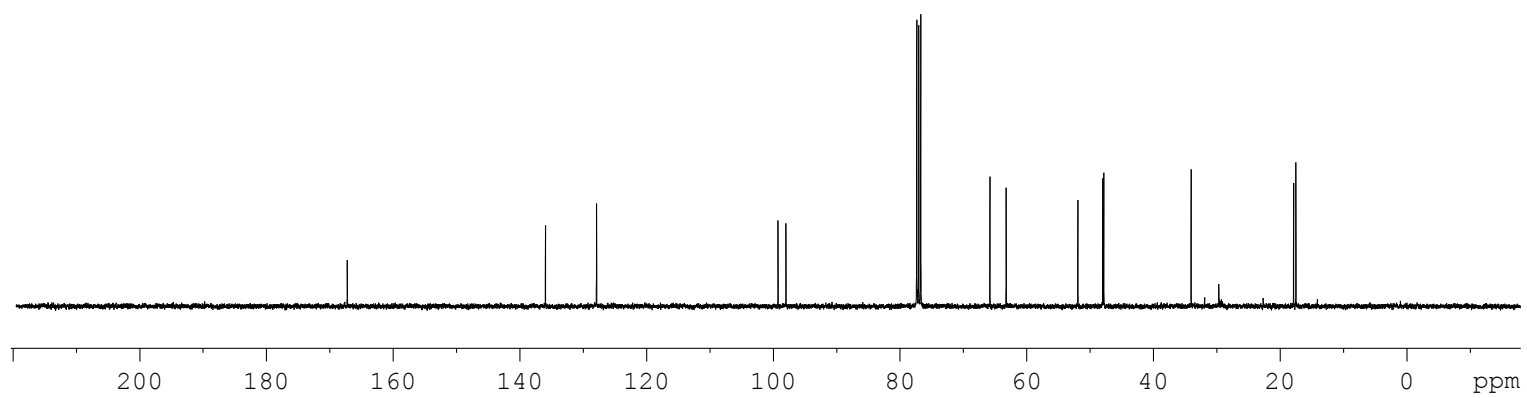
product-8sa

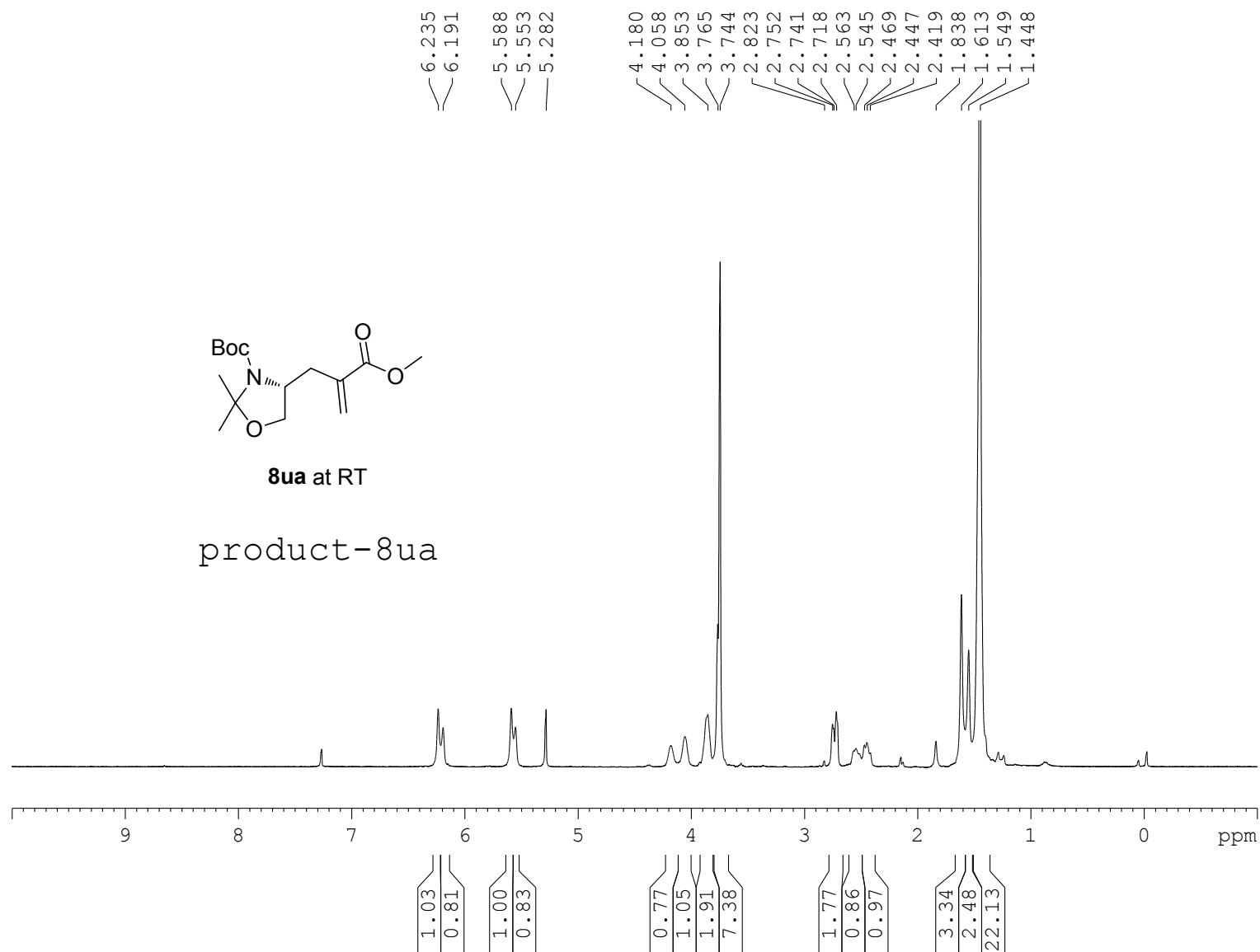


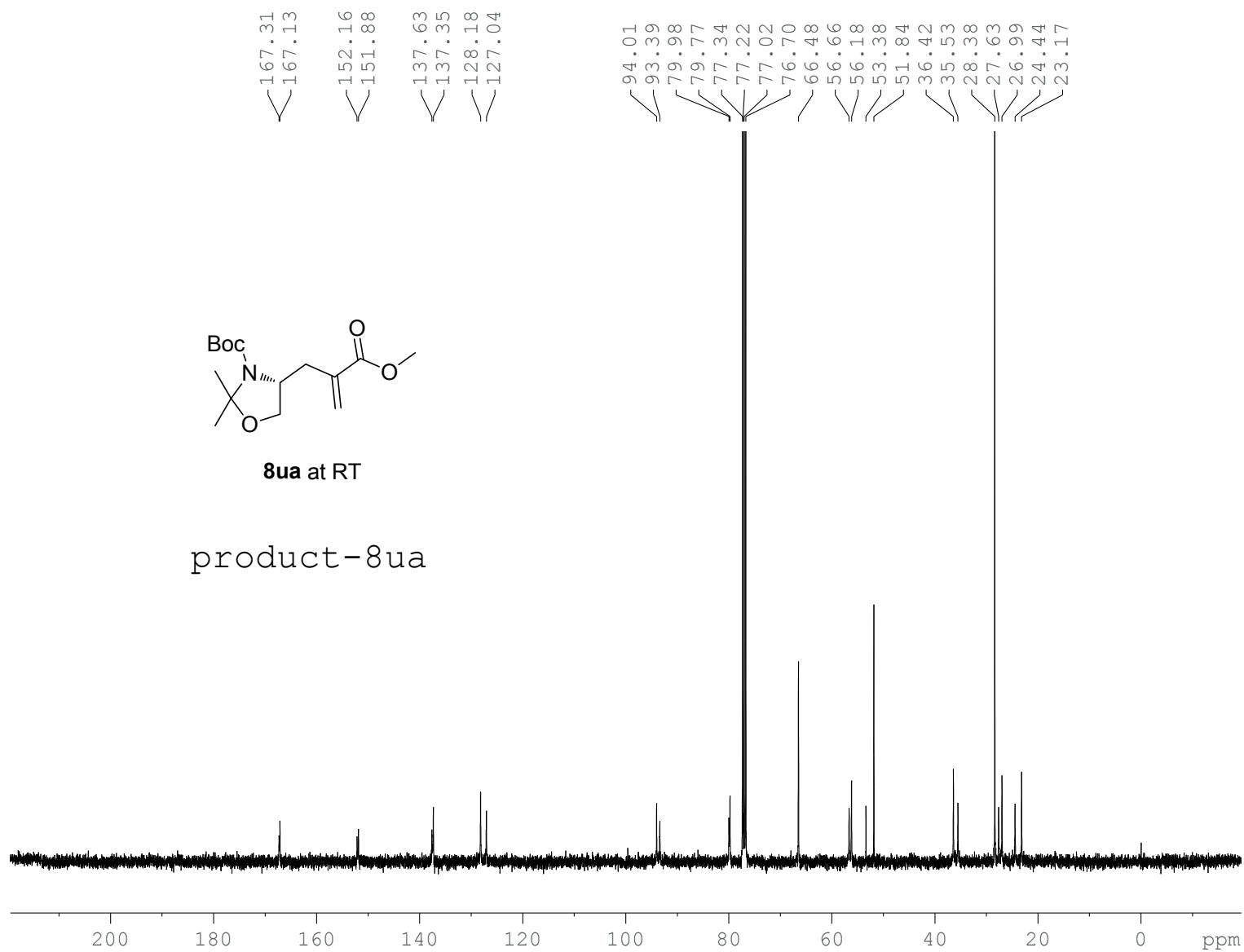


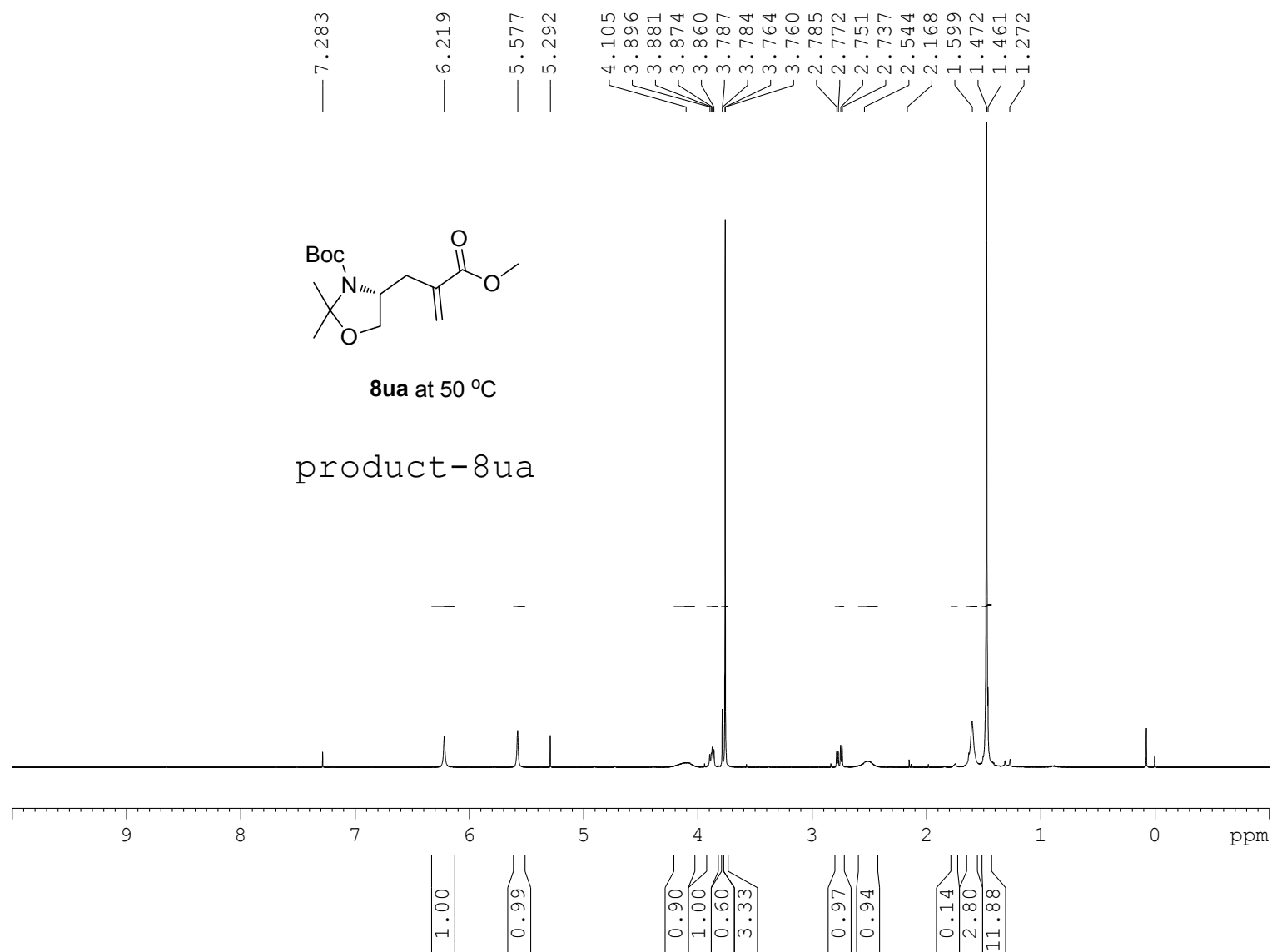


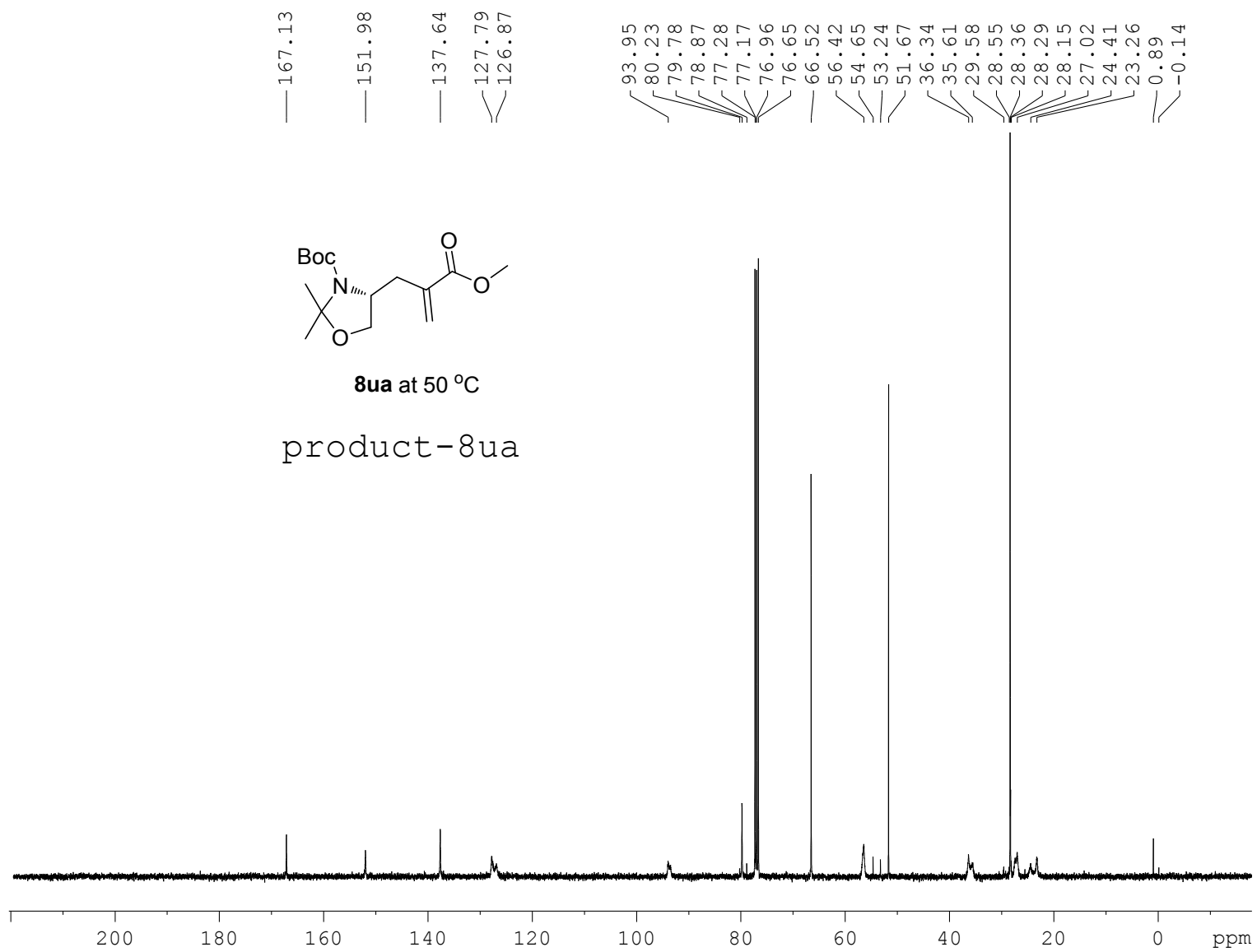
product-8ta

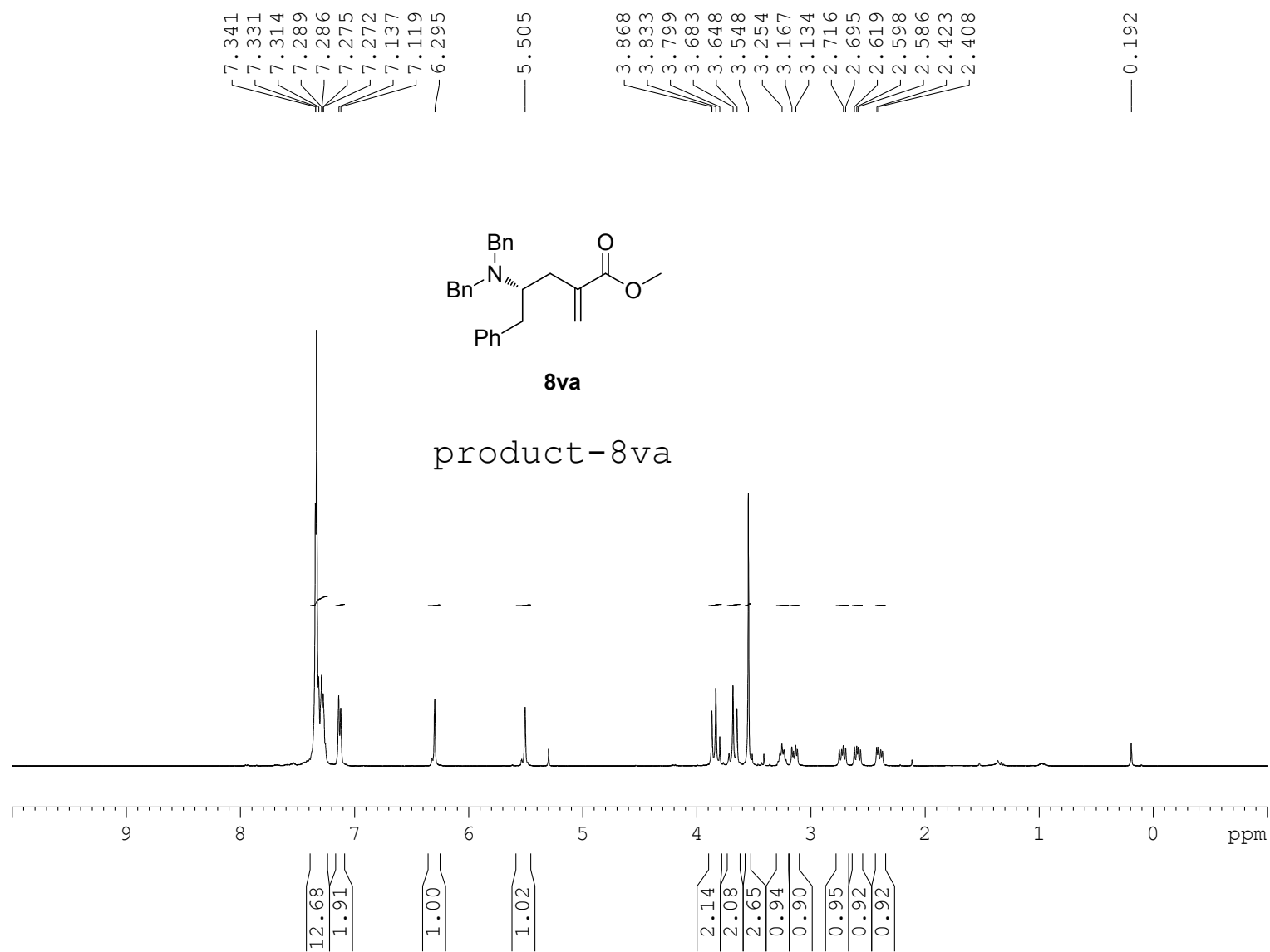


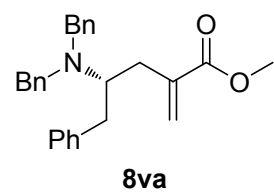




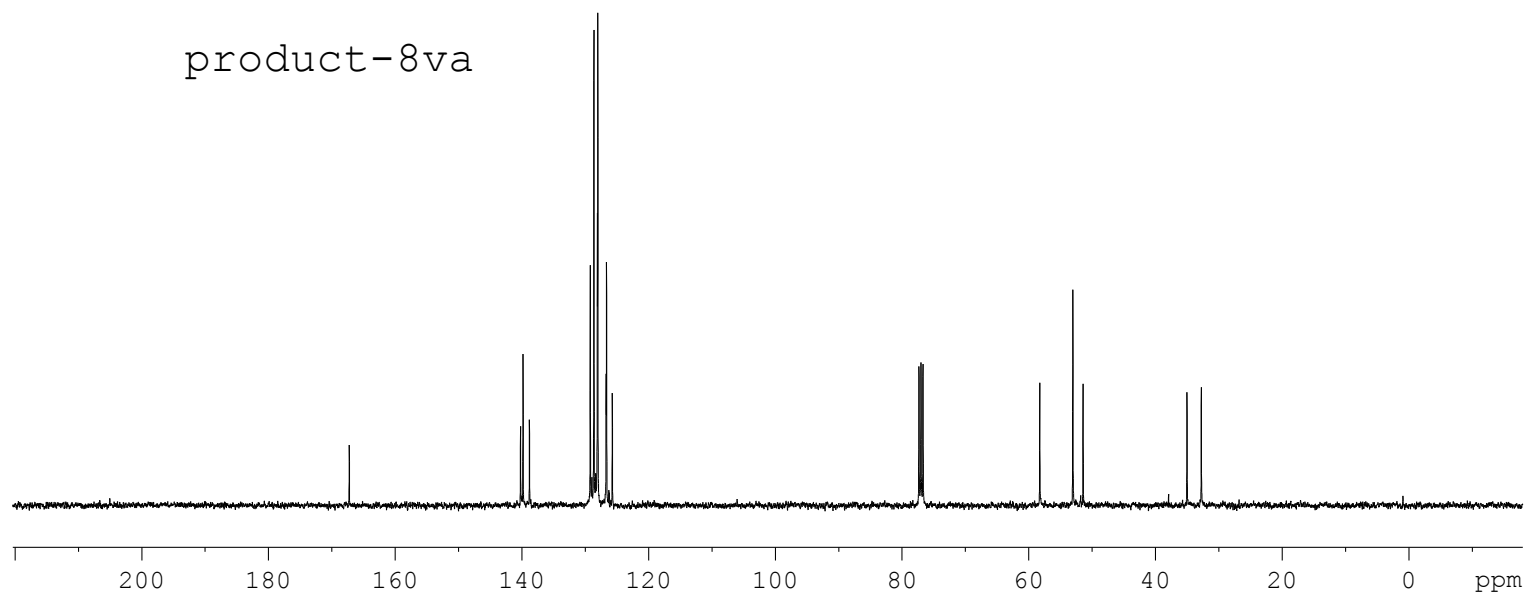


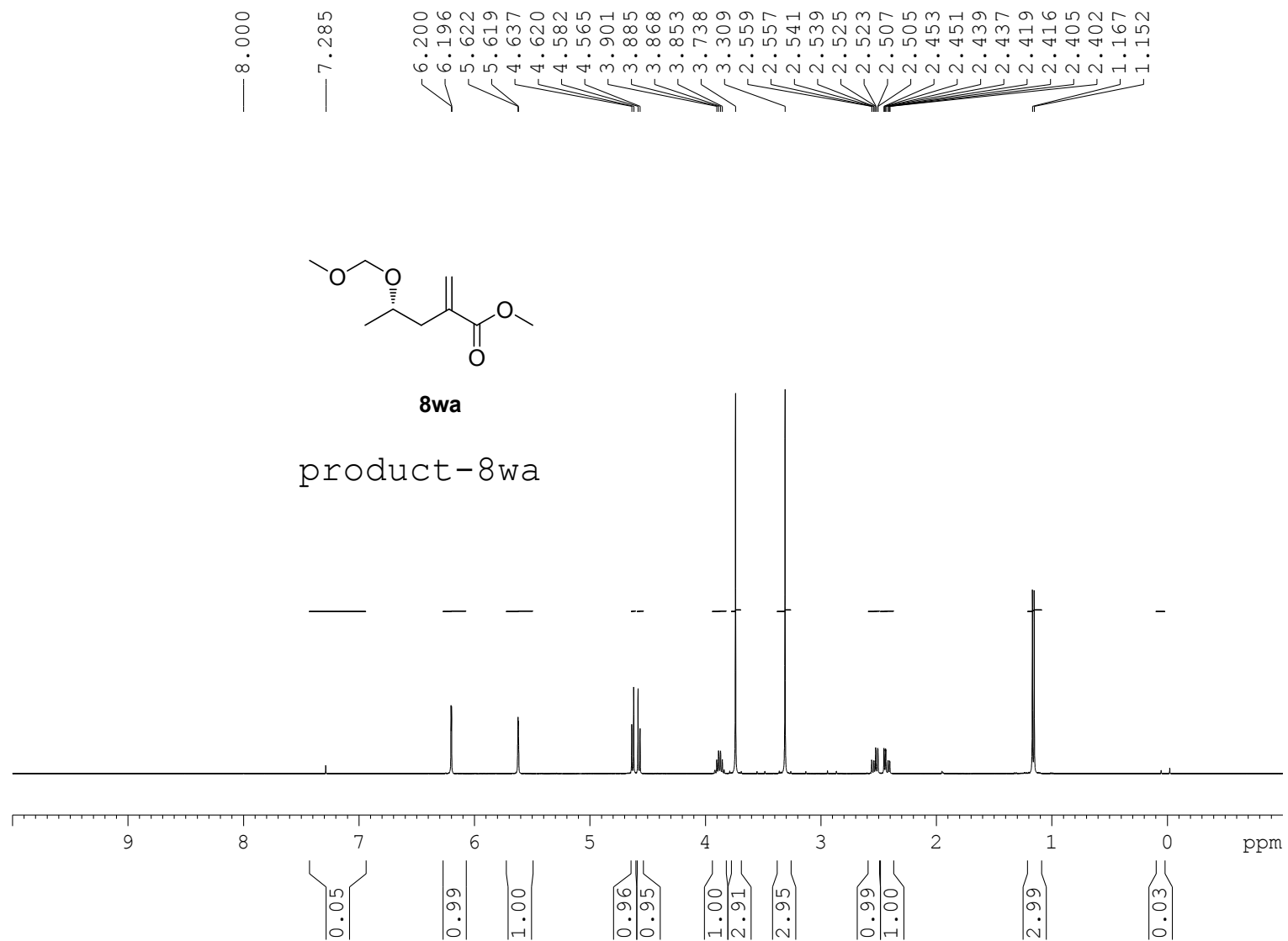


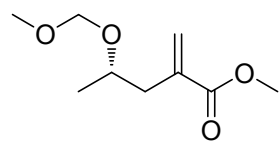




product-8va

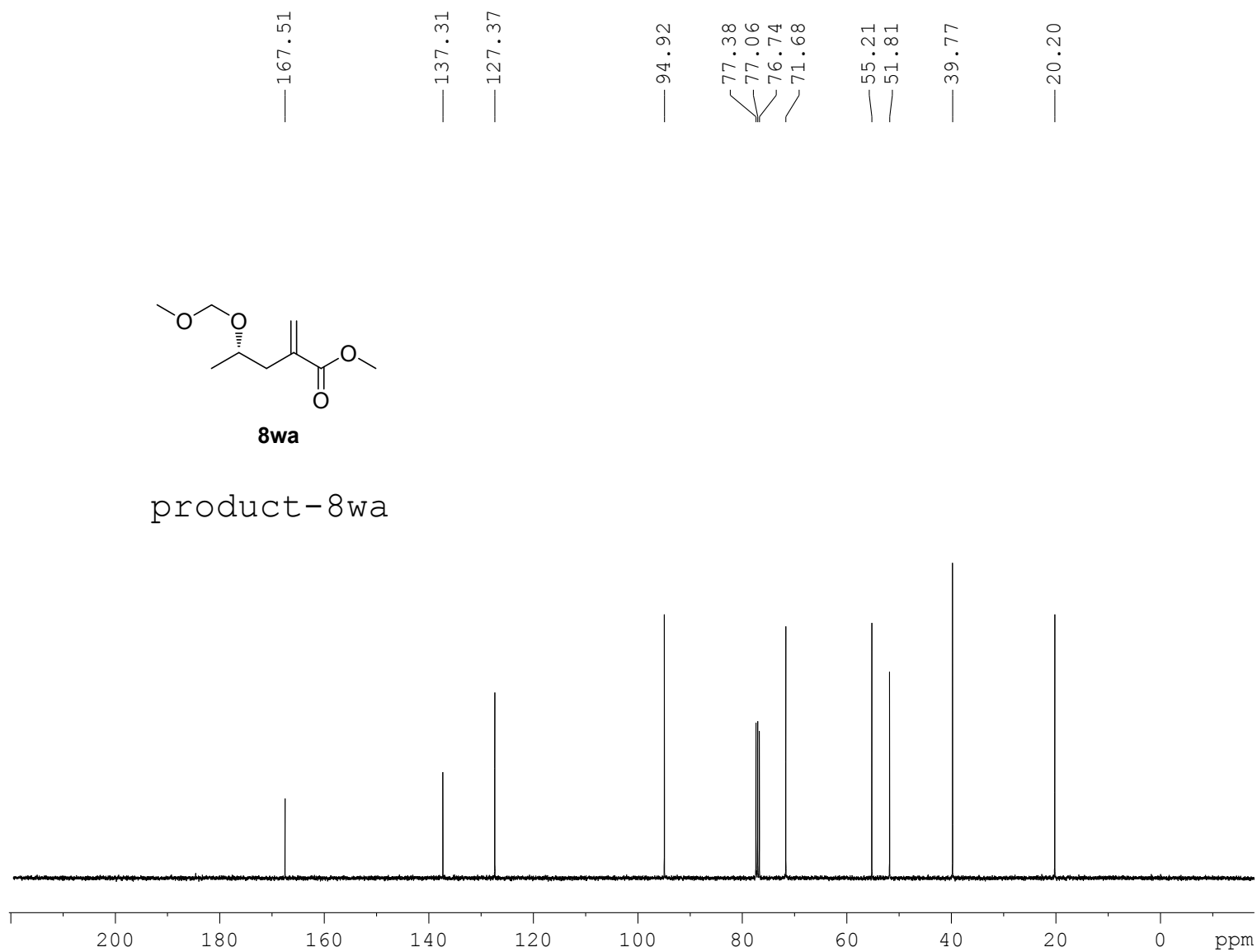


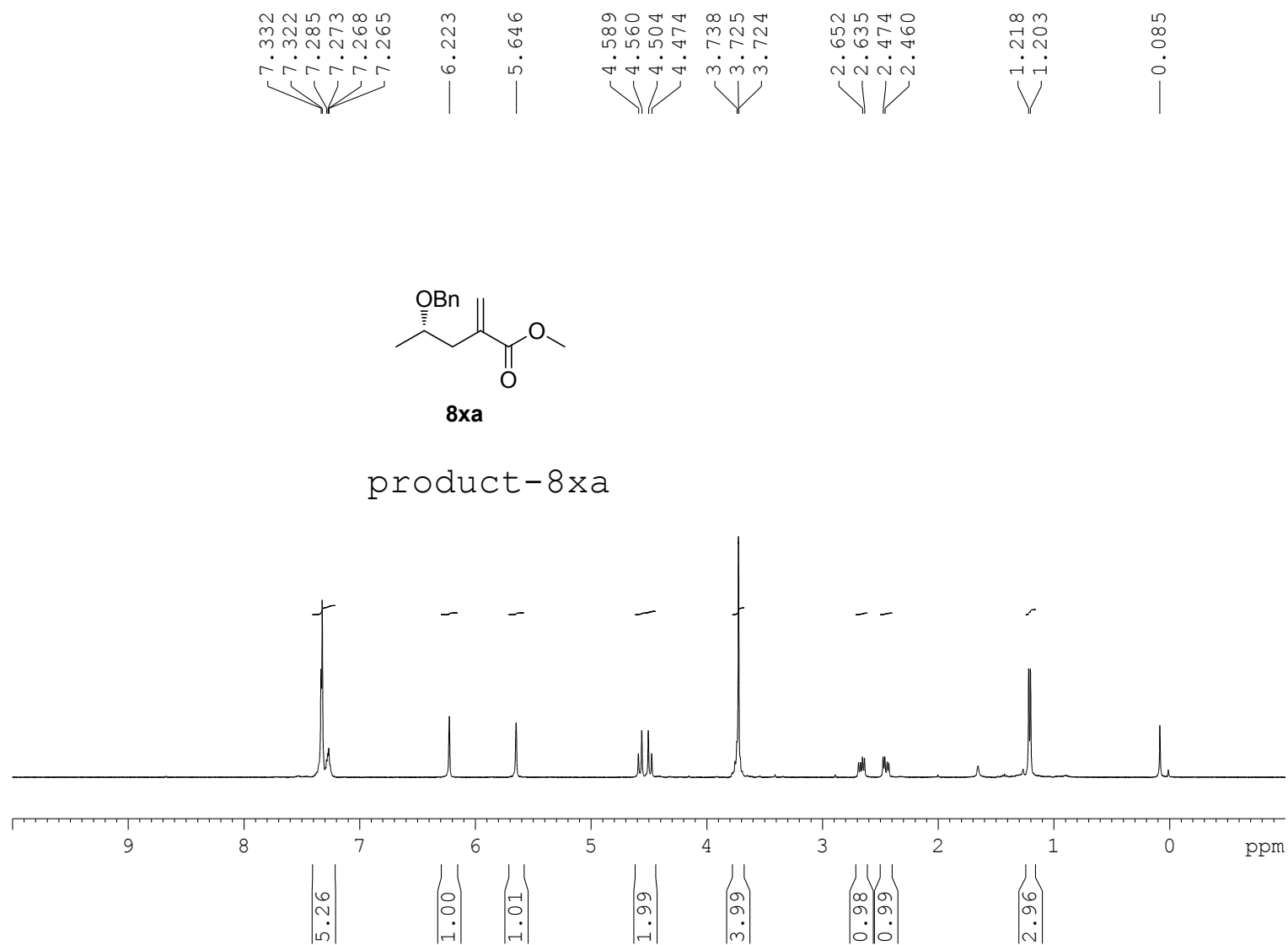


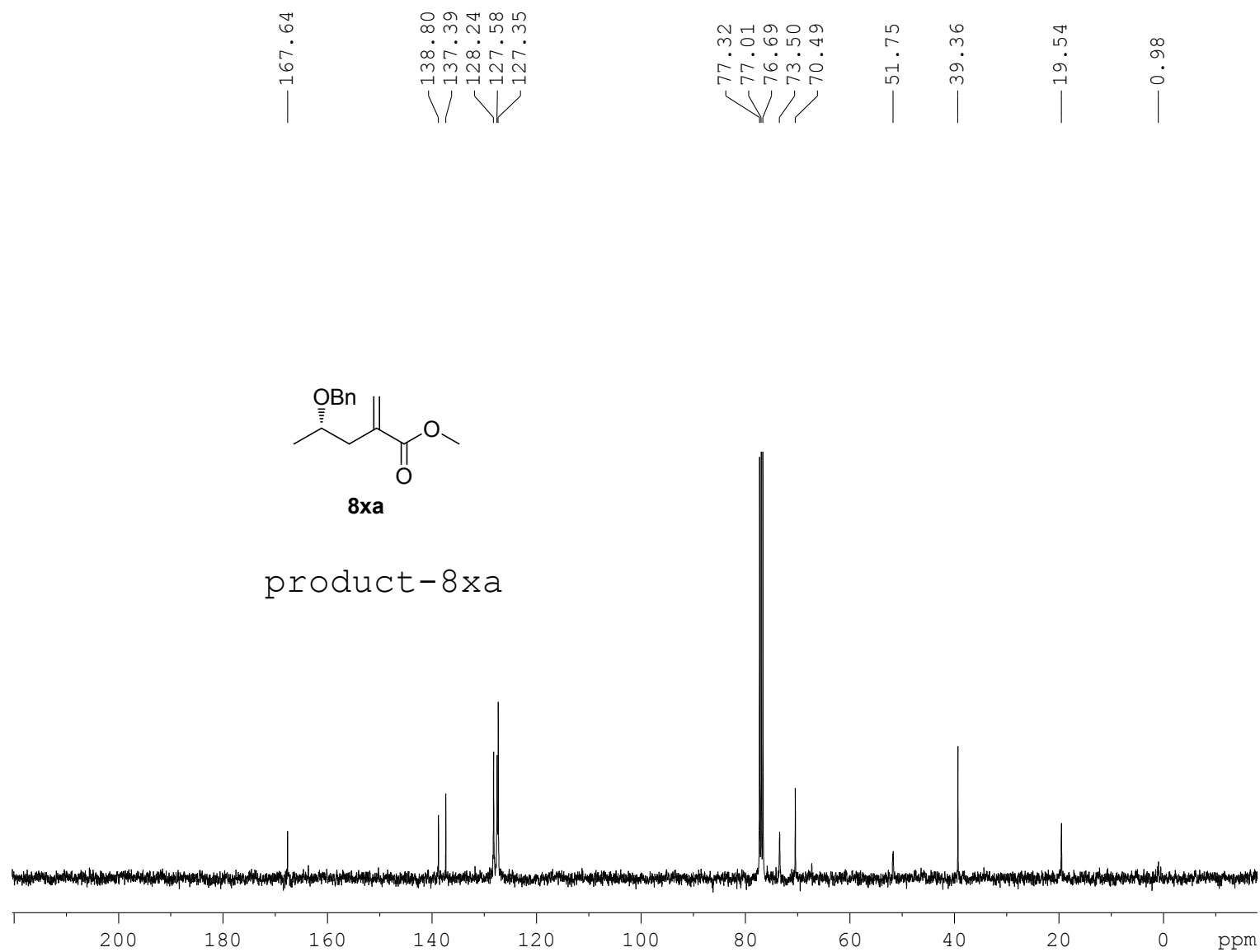


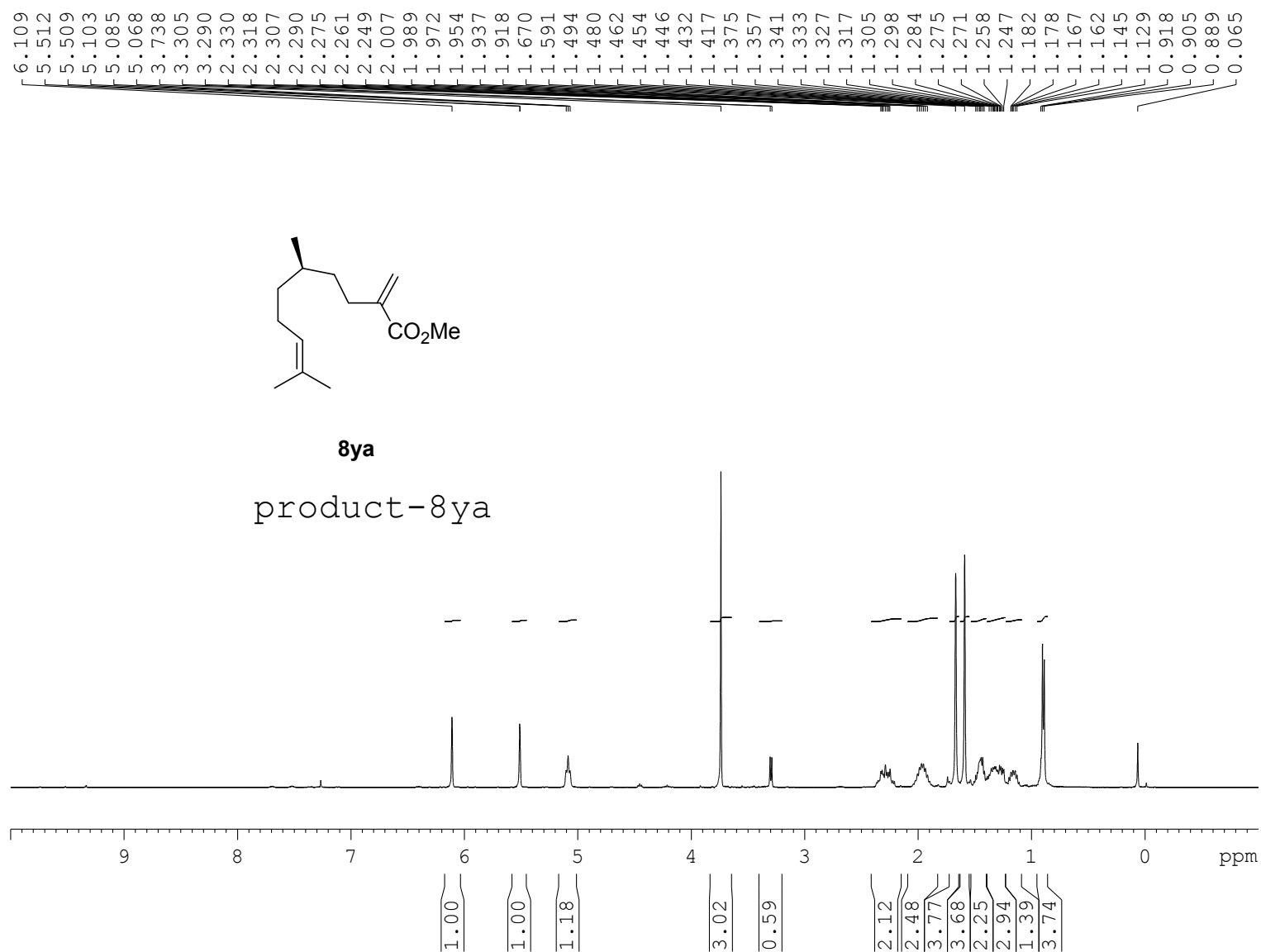
8wa

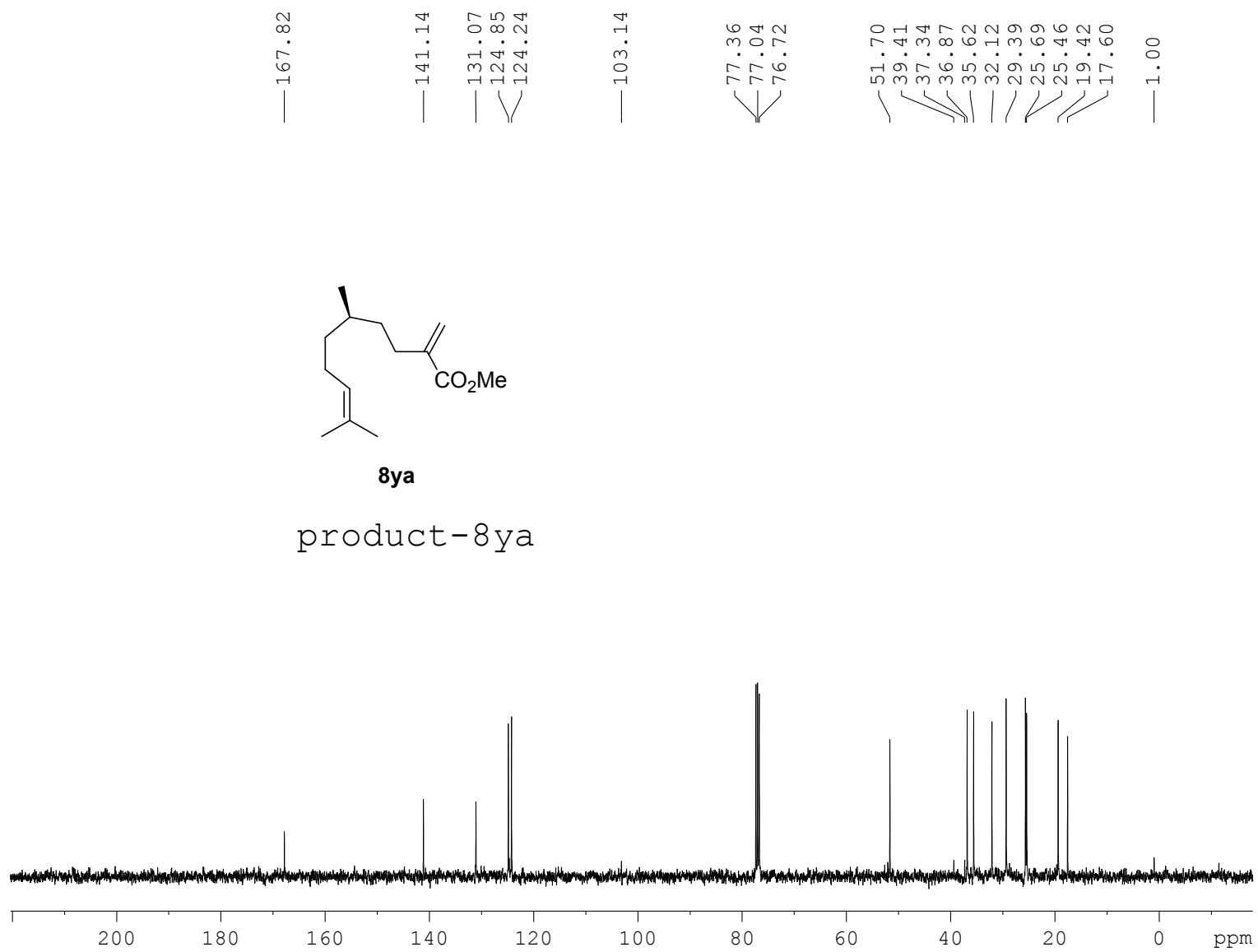
product-8wa

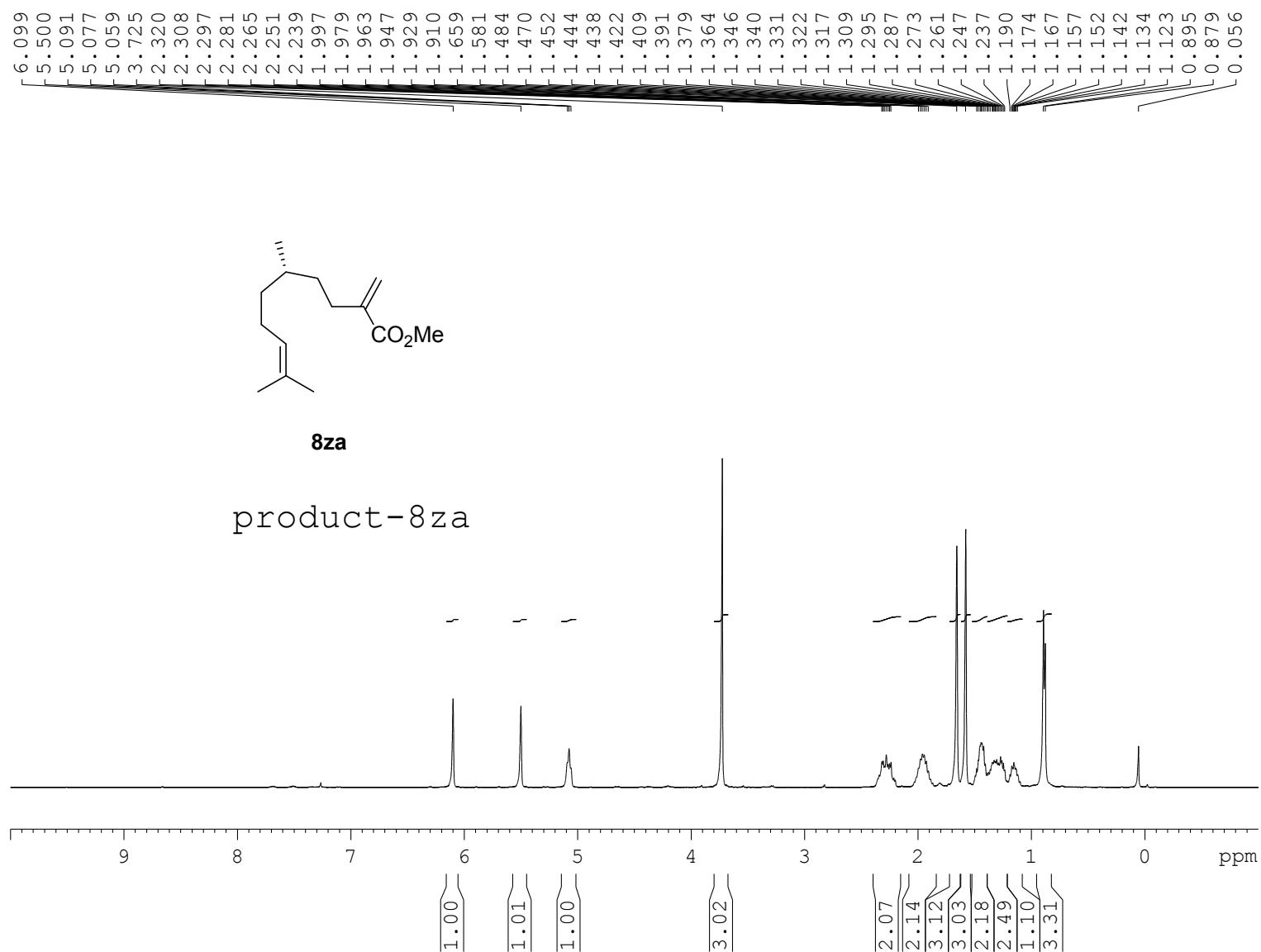












— 167.78

— 141.13

— 131.02

— 124.84

— 124.22

77.38

77.06

76.74

— 51.67

36.86

35.62

32.11

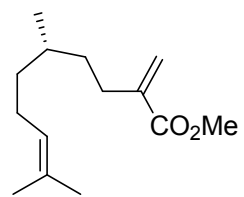
29.39

25.67

25.45

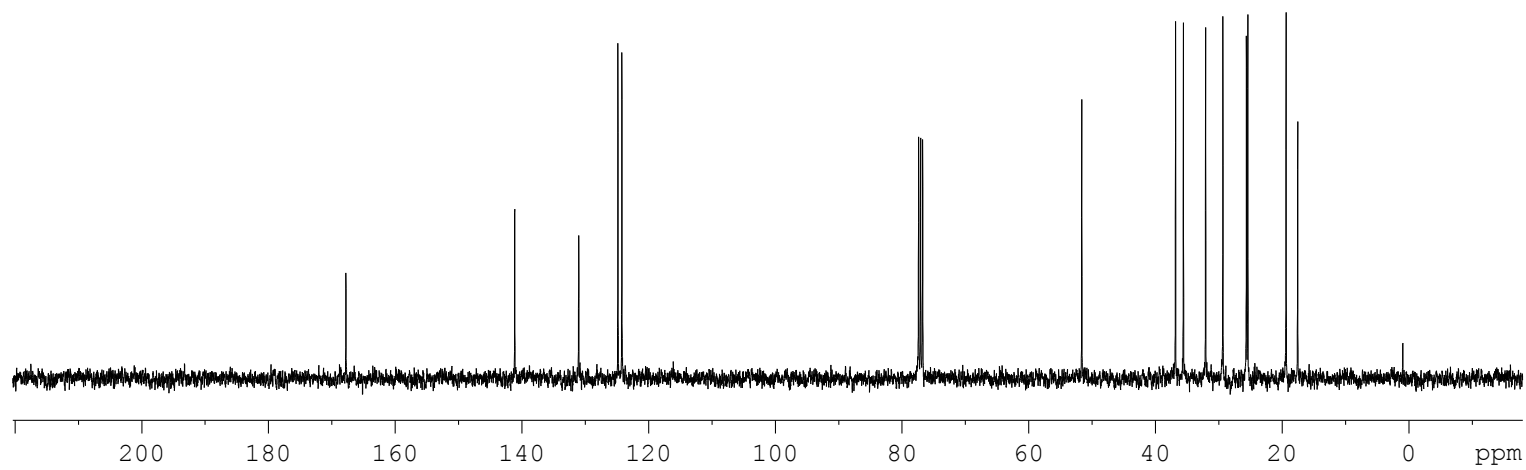
19.41

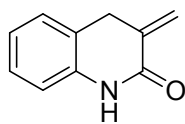
17.58



8za

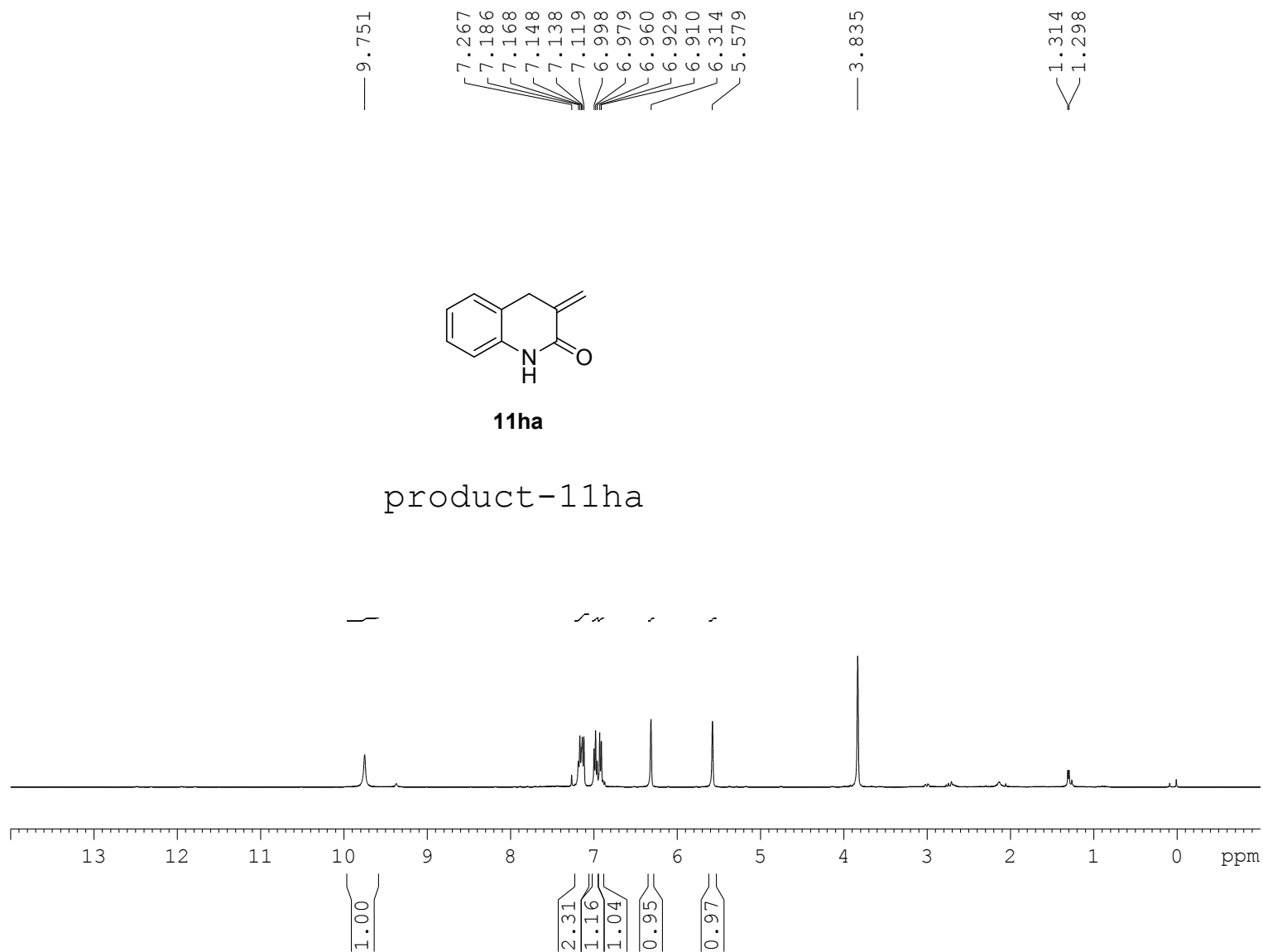
product-8za

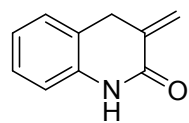




11ha

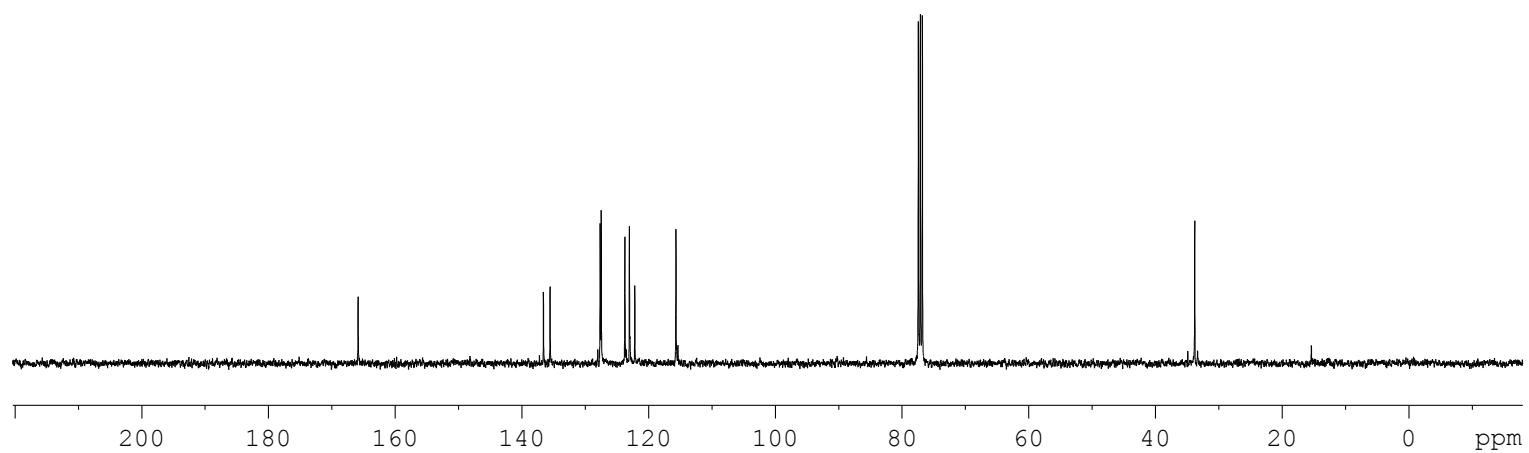
product-11ha

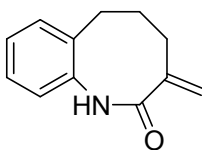




11ha

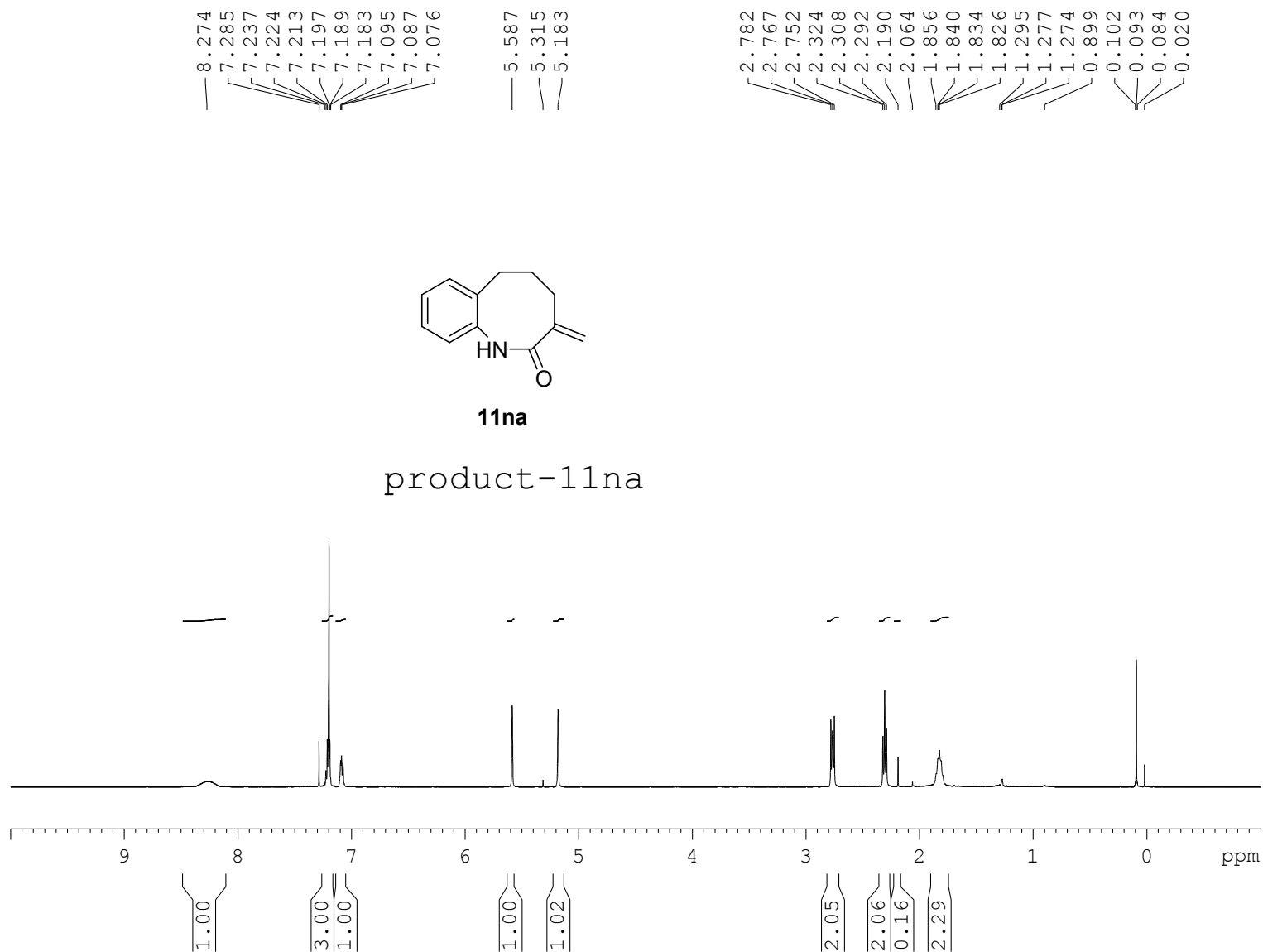
product-11ha

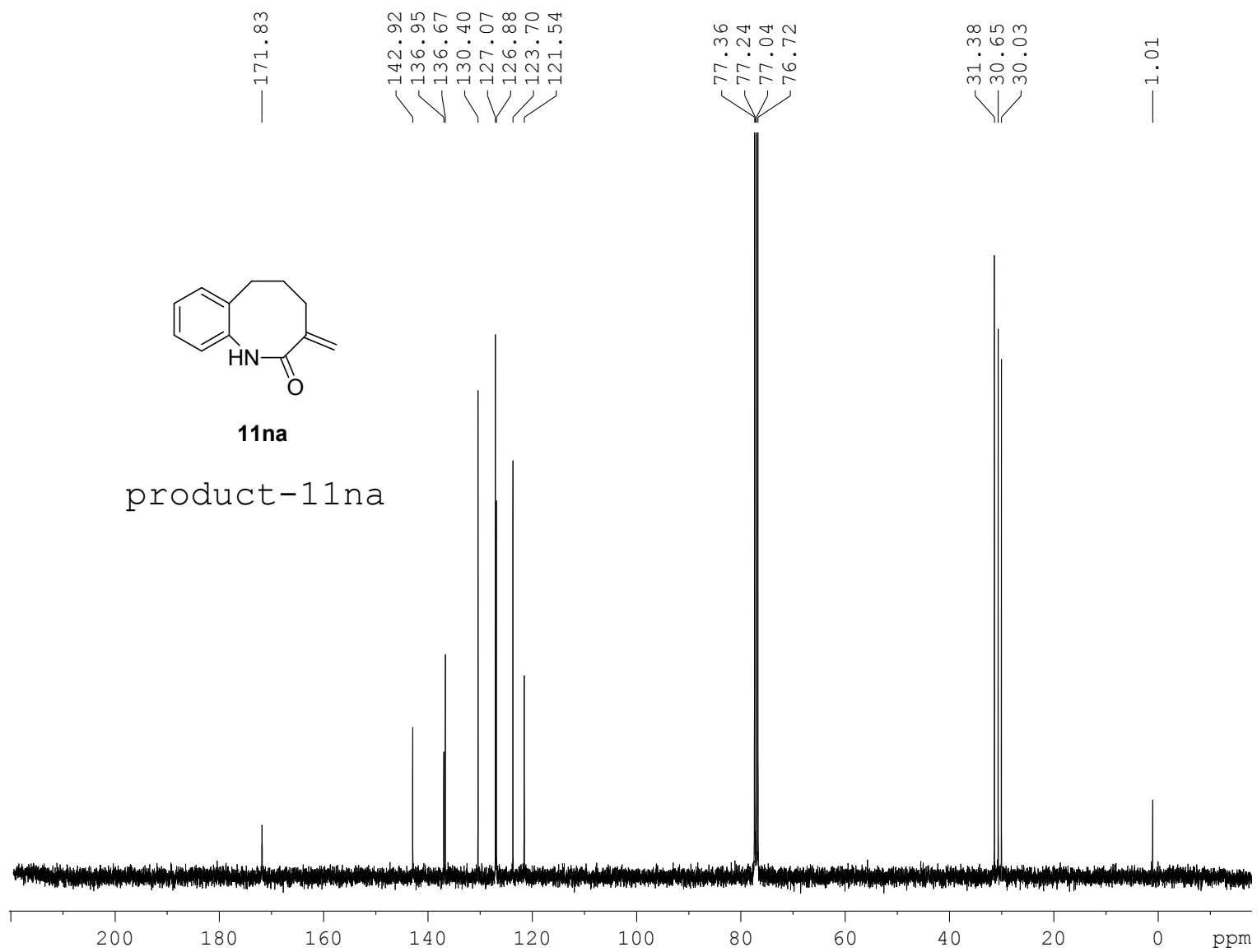


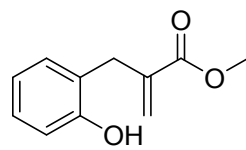


11na

product-11na

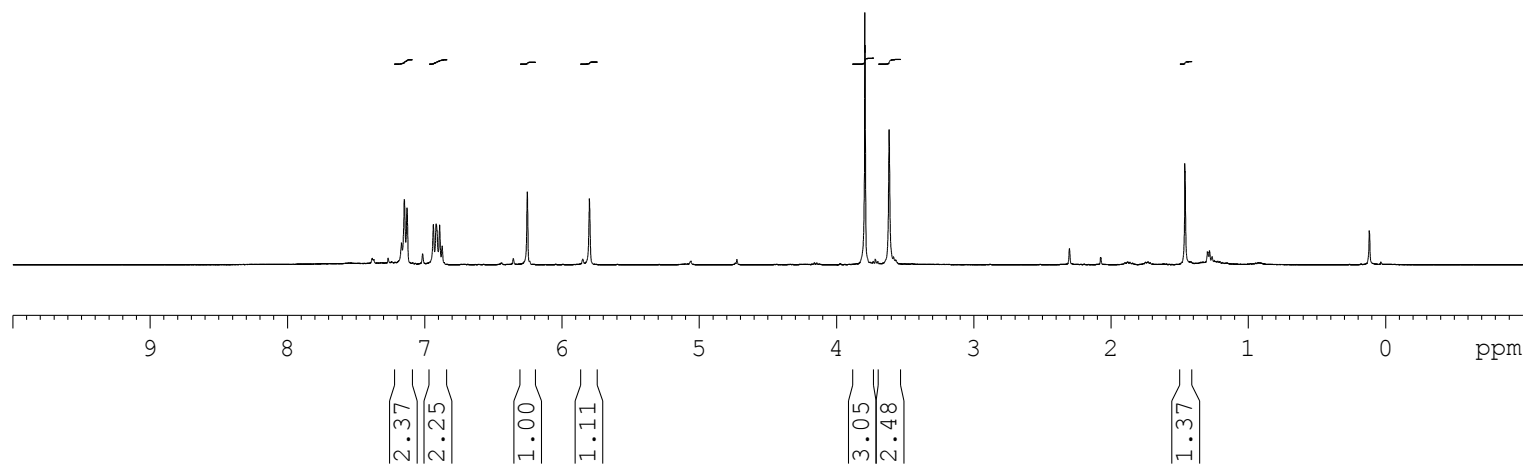




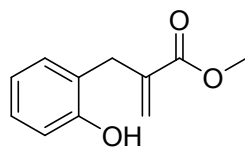


12ga

product-12ga

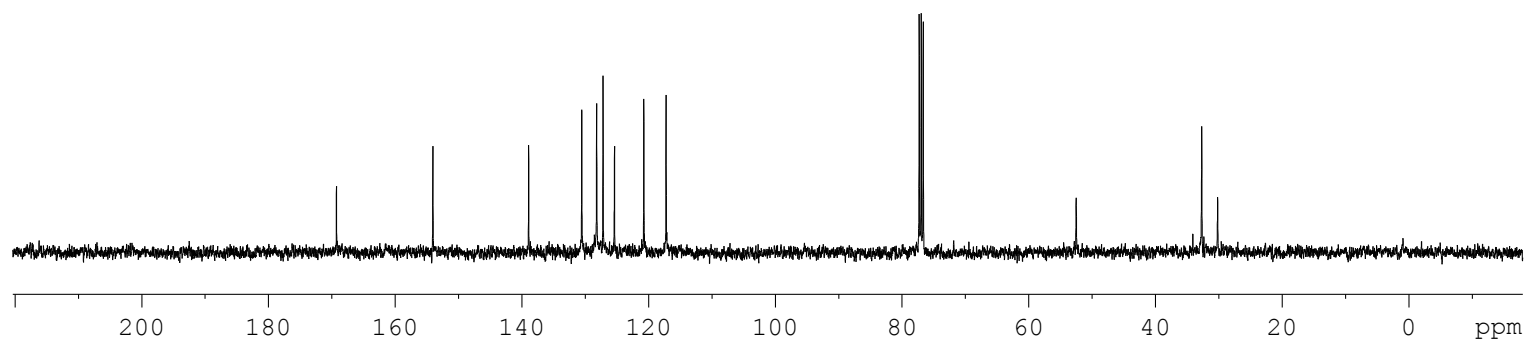


— 169.26
 — 154.04
 — 138.93
 — 130.55
 — 128.19
 — 127.19
 — 125.37
 — 120.75
 — 117.23
 — 77.32
 — 77.00
 — 76.68
 — 52.52
 — 32.72
 — 30.21

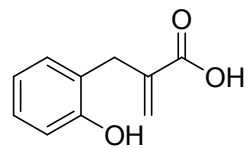


12ga

product-12ga

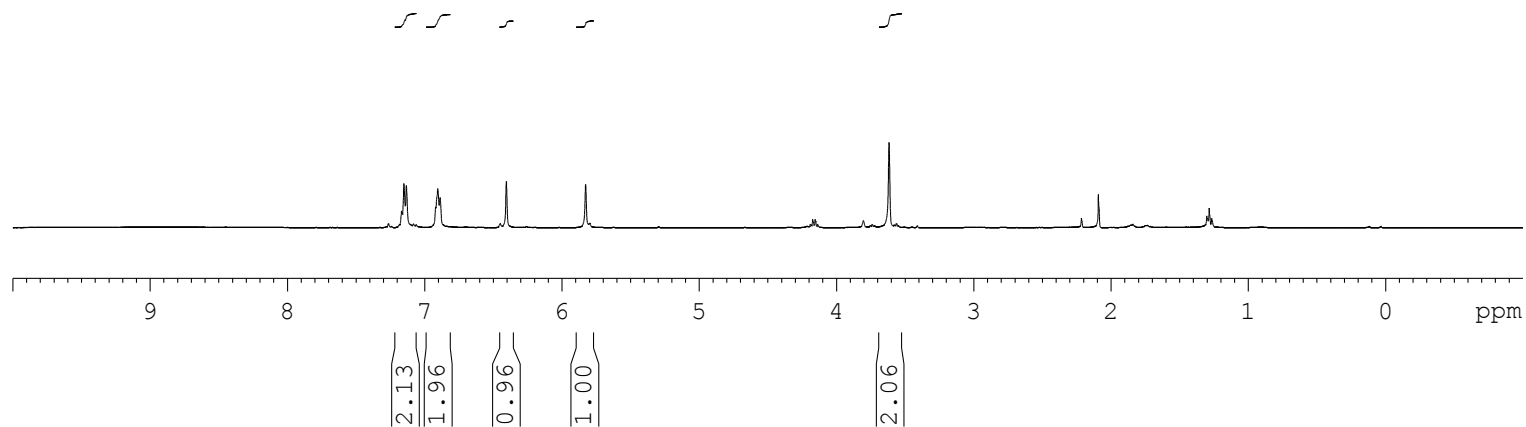


7.168
7.151
7.133
6.920
6.904
6.887
6.405
— 5.827
— 3.617

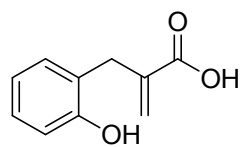


13ga

product-13ga

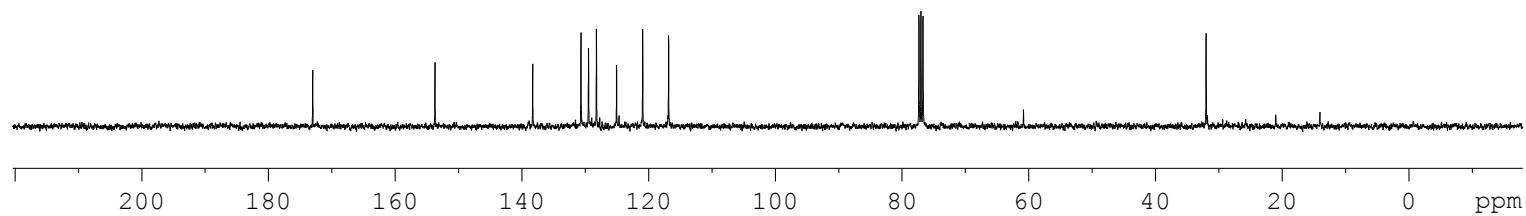


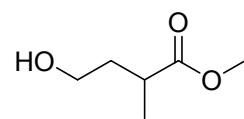
— 173.01
 — 153.71
 / 138.29
 / 130.67
 / 129.48
 / 128.23
 / 125.05
 / 120.93
 / 116.84
 / 77.32
 / 77.01
 / 76.69
 — 31.99



13ga

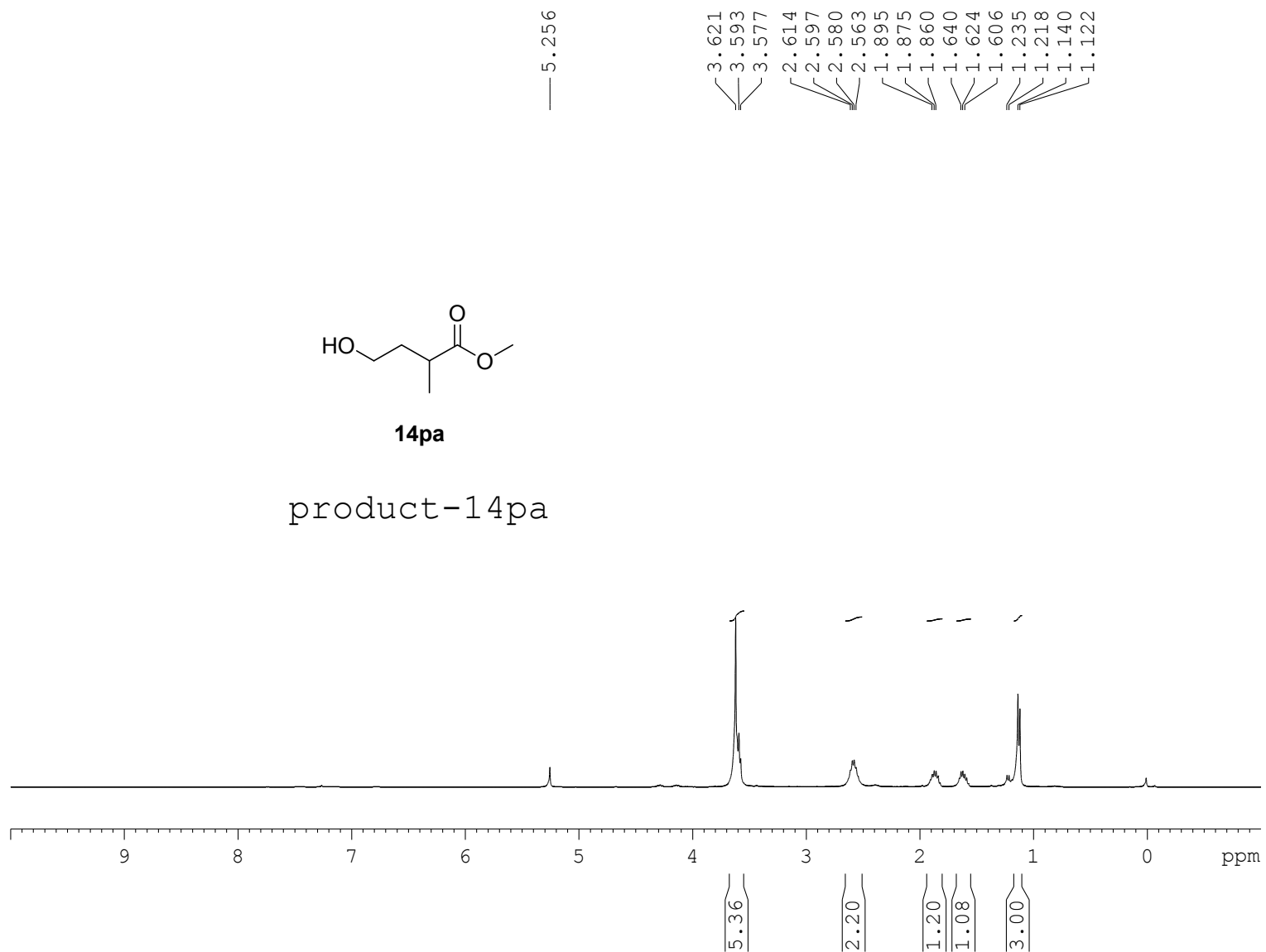
product-13ga

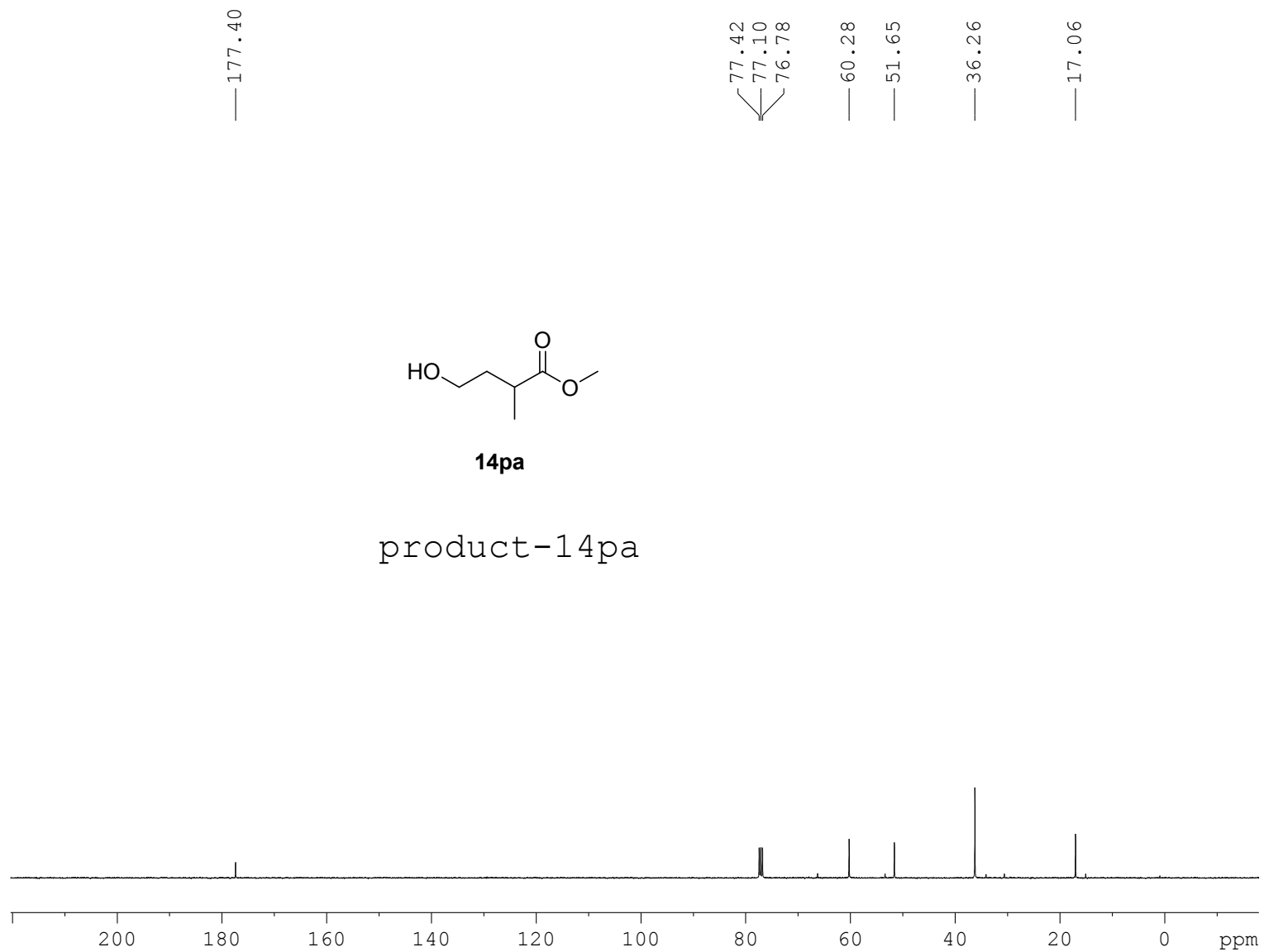


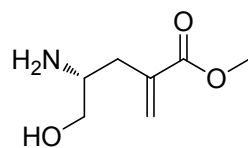


14pa

product-14pa

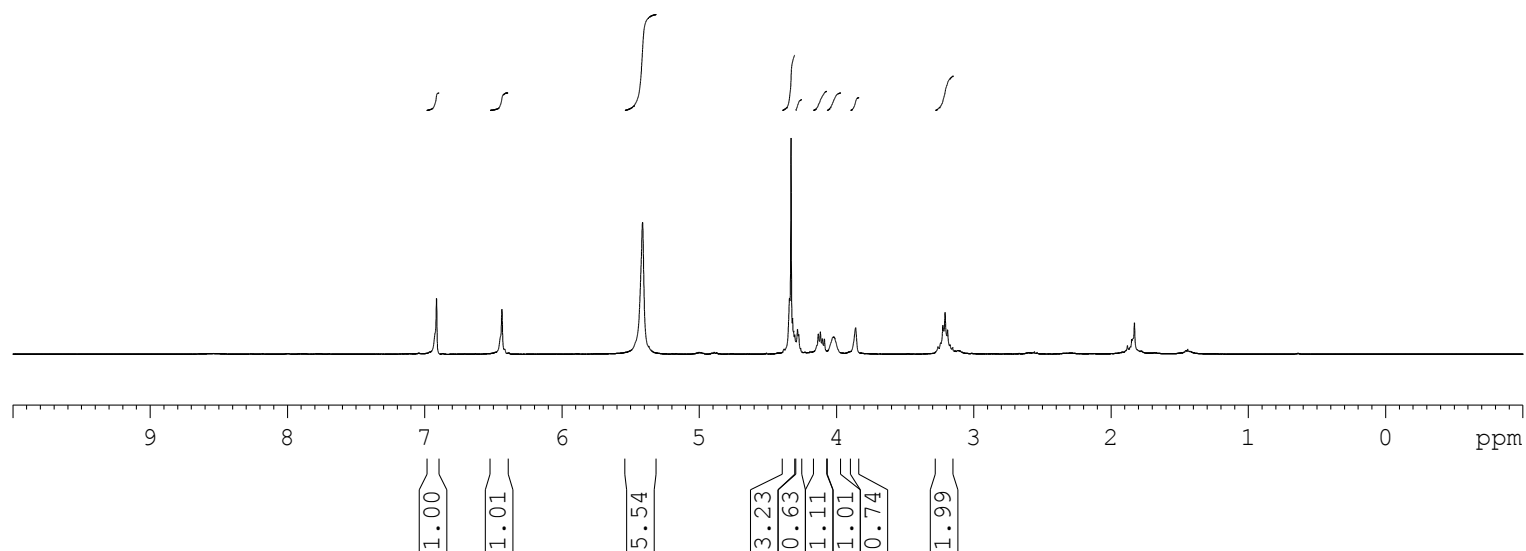


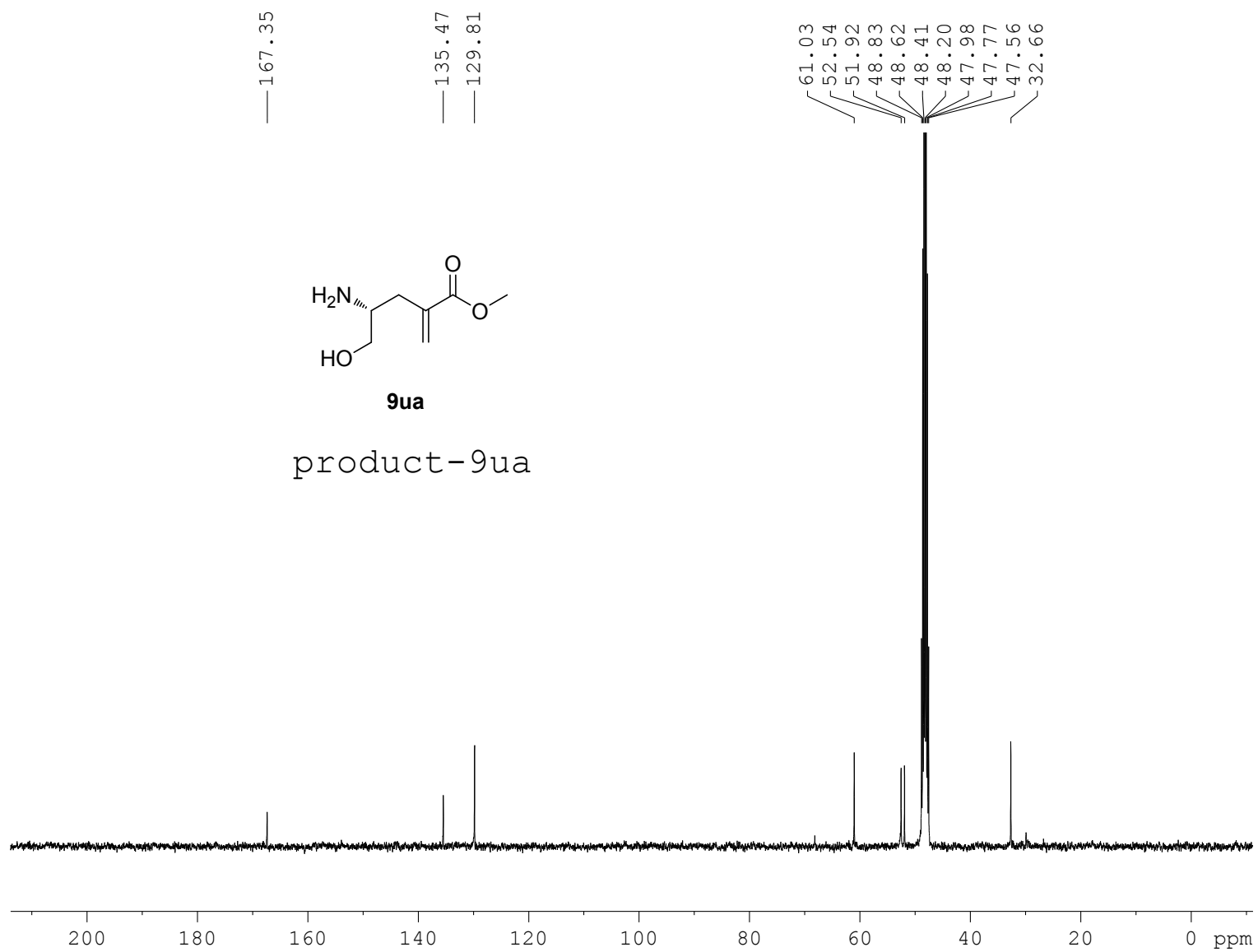


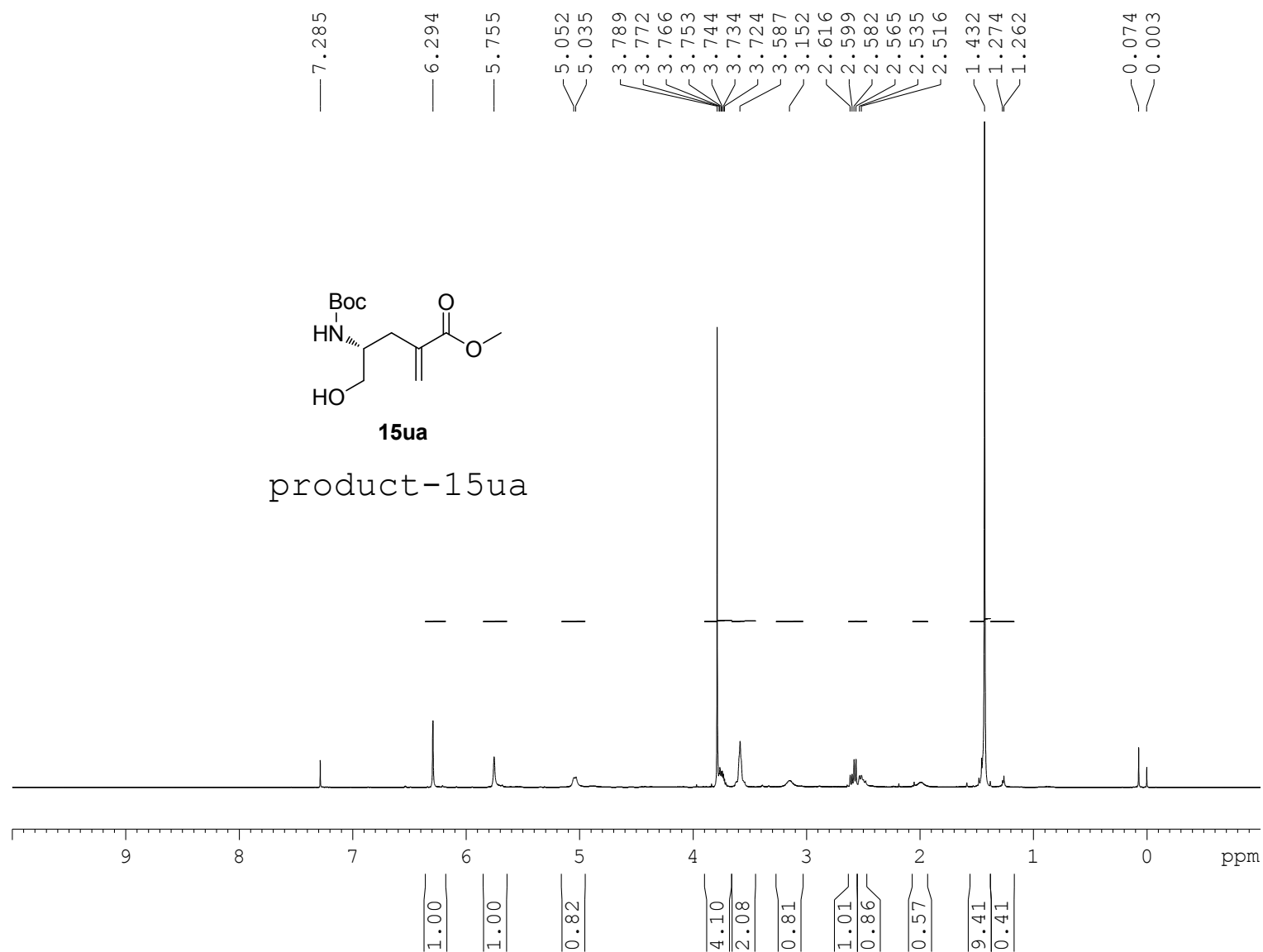


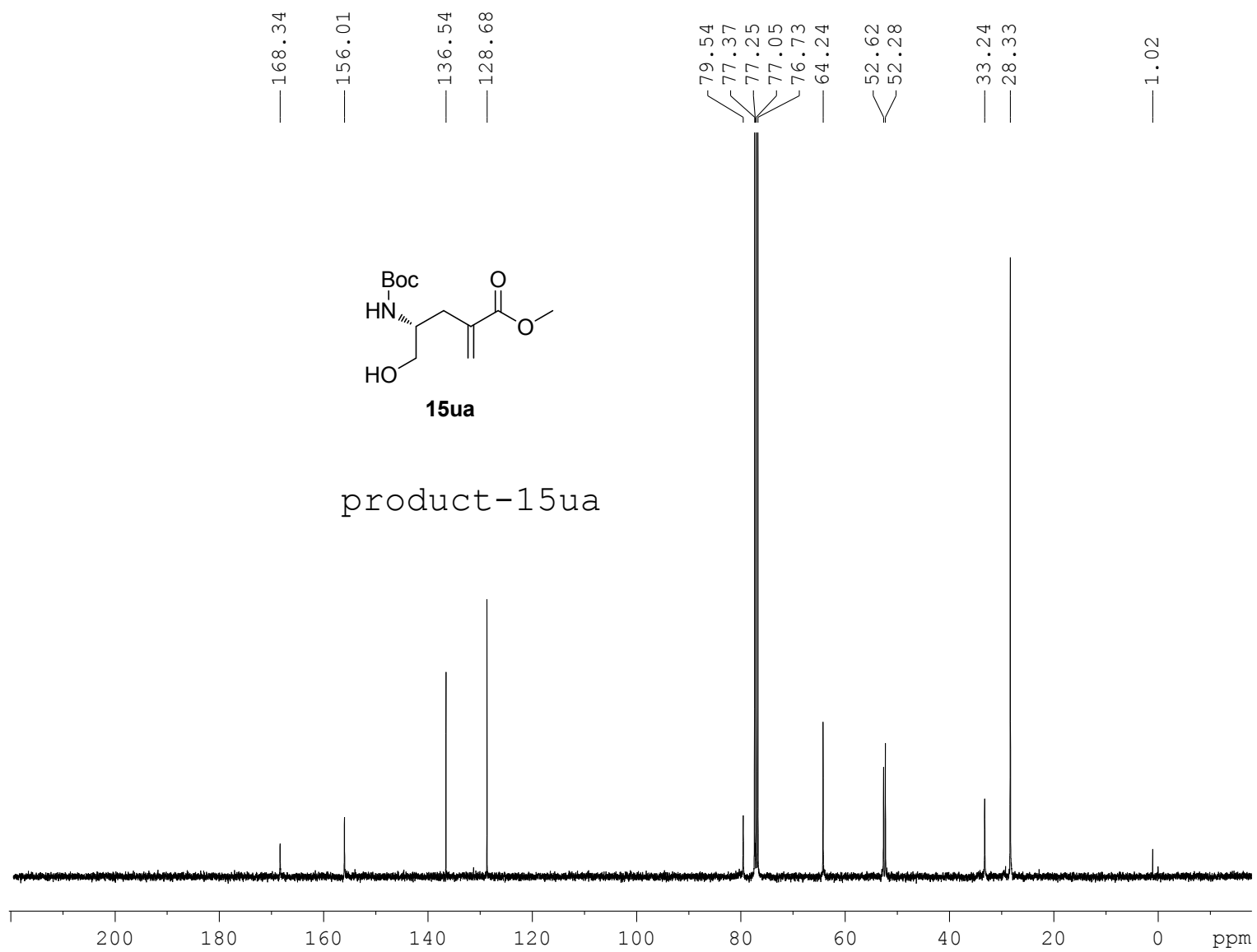
9ua

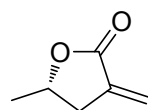
product-9ua





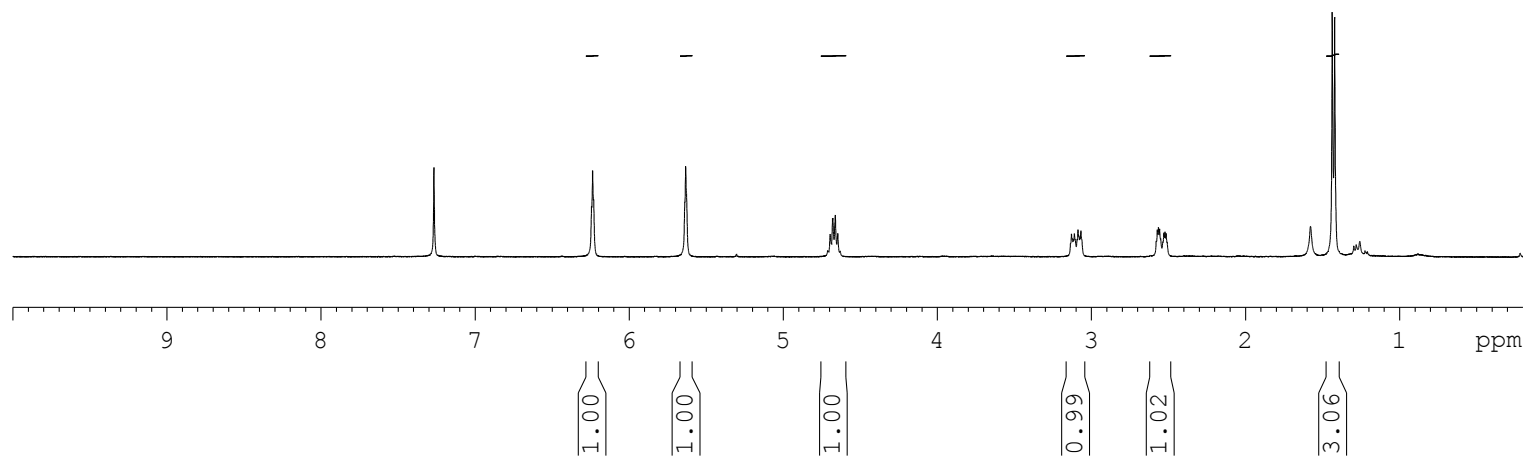




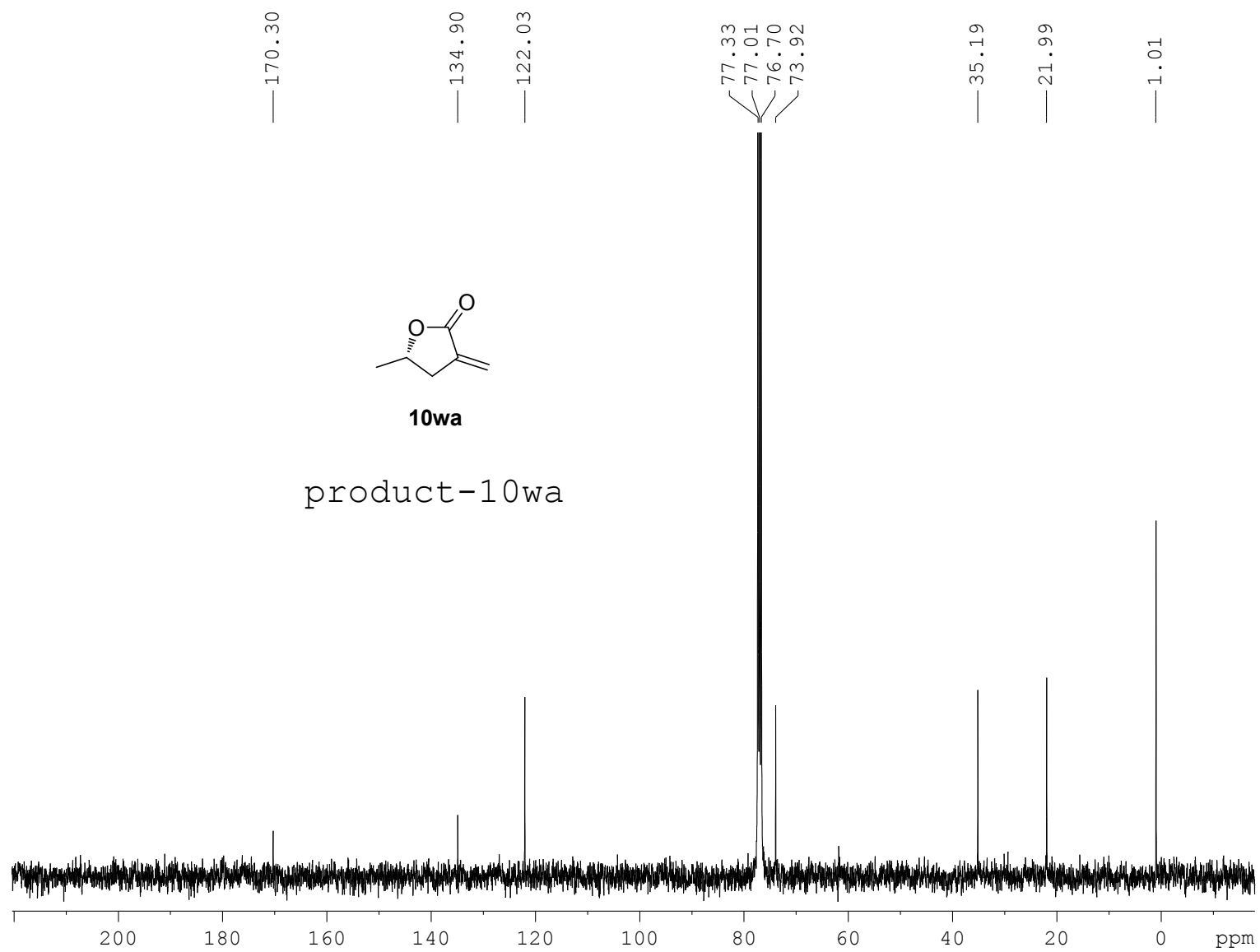


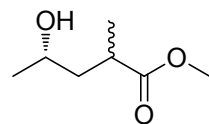
10wa

product-10wa



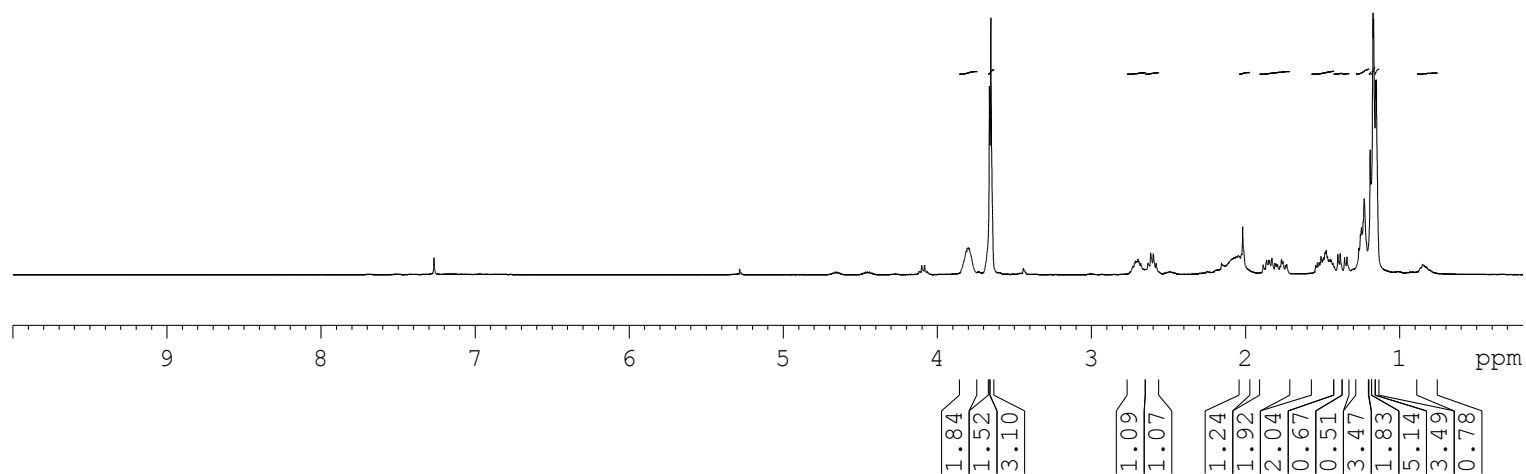
7.267
6.244
6.237
6.231
5.638
5.633
4.697
4.681
4.679
4.663
4.648
3.131
3.124
3.118
3.112
3.106
3.094
3.088
3.082
3.076
3.069
2.580
2.573
2.566
2.558
2.551
2.538
2.531
2.524
2.516
2.509
1.438
1.423





14xa

product-14xa

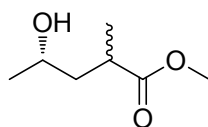


3.815
3.808
3.804
3.801
3.793
3.664
3.662
3.654
2.617
2.599
2.062
2.049
2.041
2.028
2.020
1.511
1.485
1.478
1.468
1.402
1.387
1.359
1.343
1.266
1.256
1.248

177.79
177.49

77.38
77.06
76.75
66.25
65.72

51.73
42.99
42.94
36.90
36.17
24.02
23.69
17.73
17.36



14xa

product-14xa

