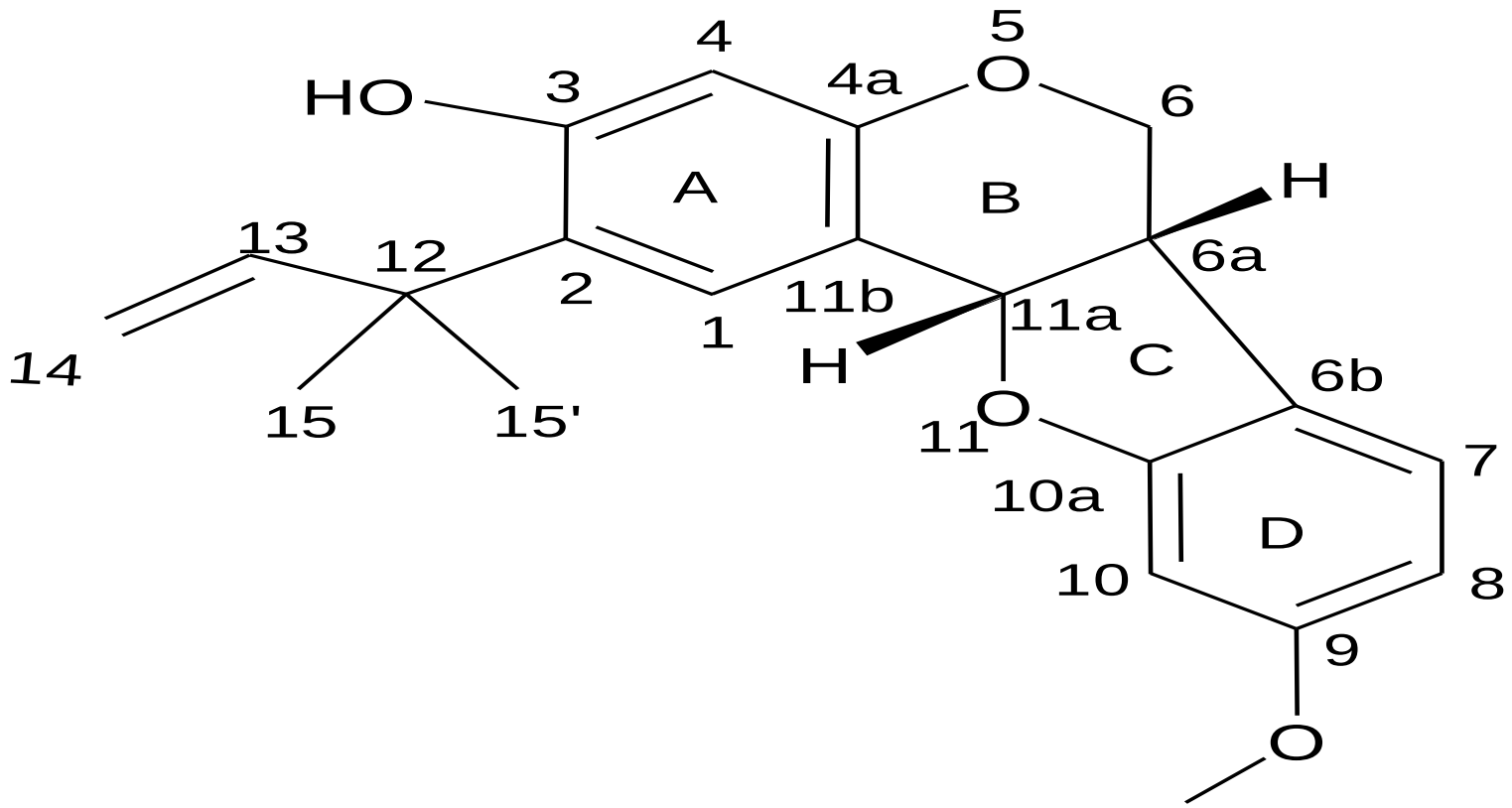
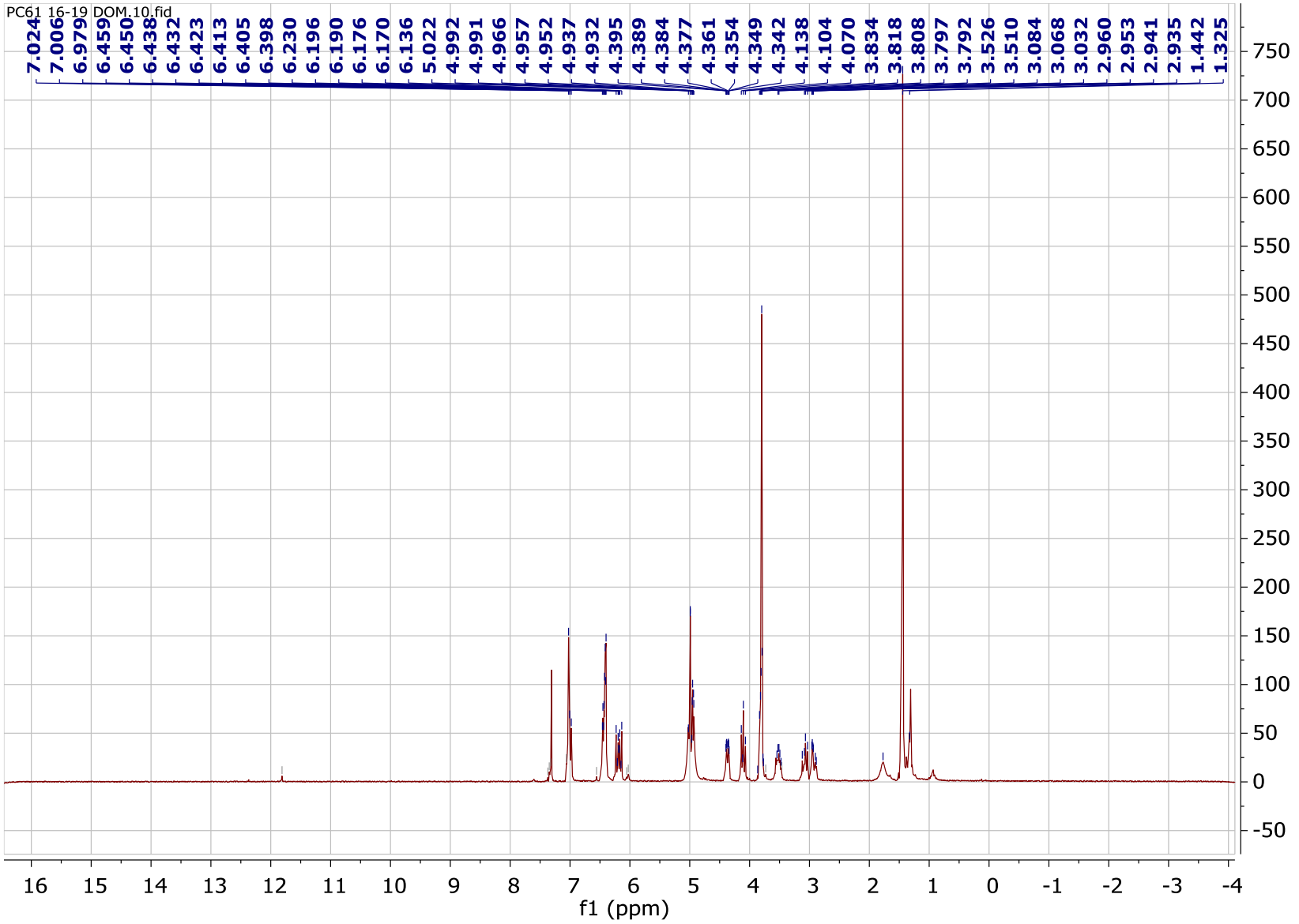
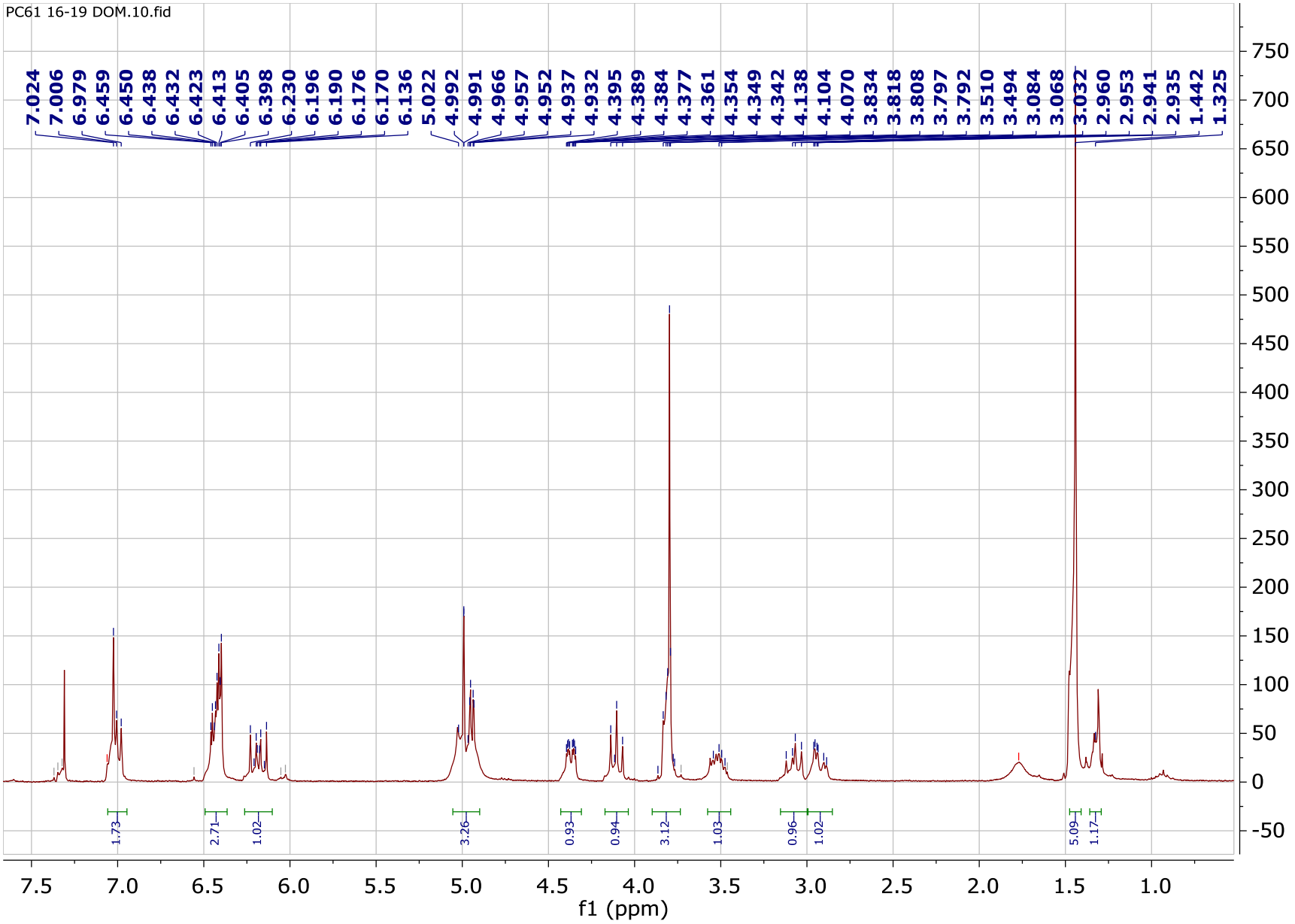
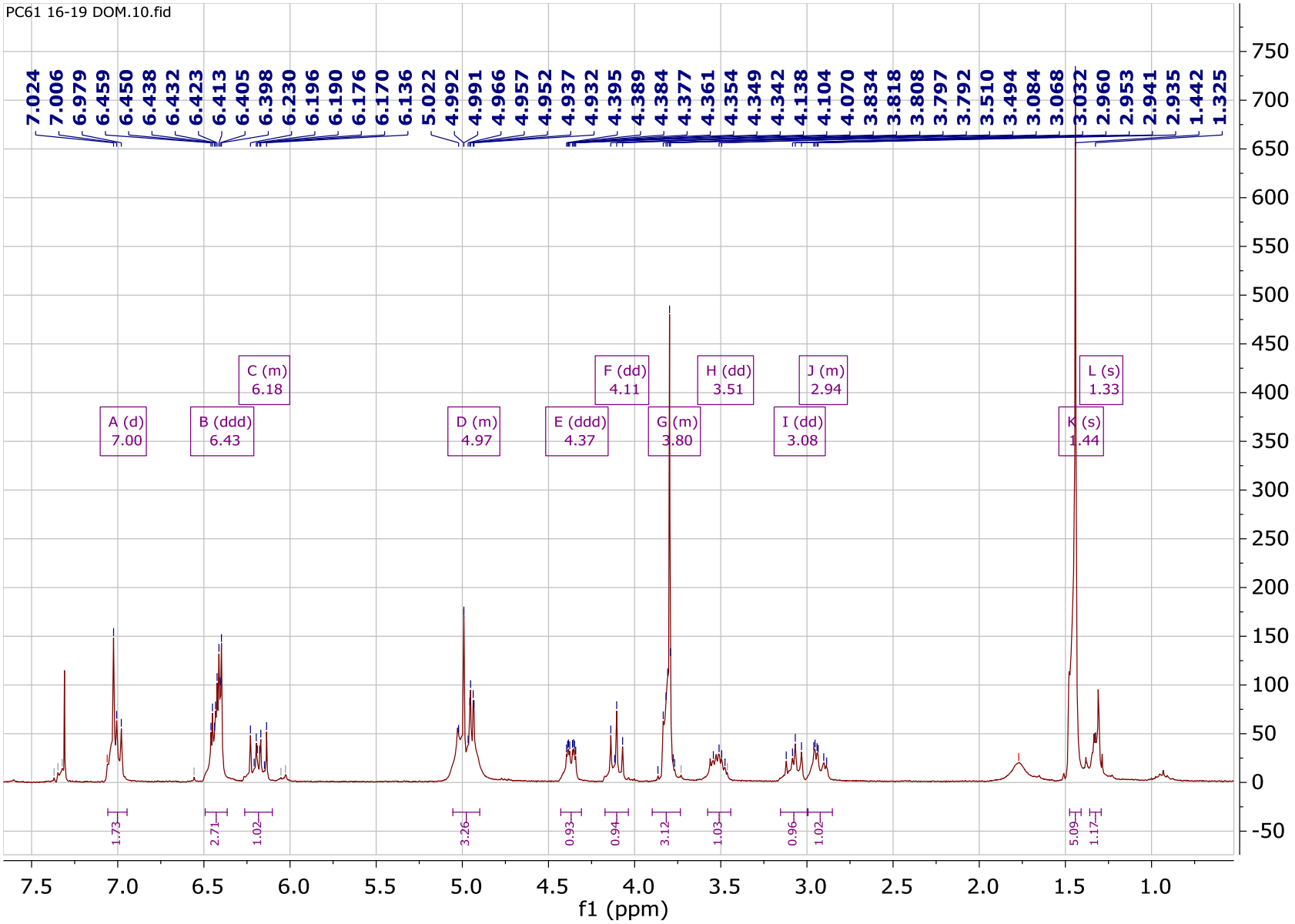


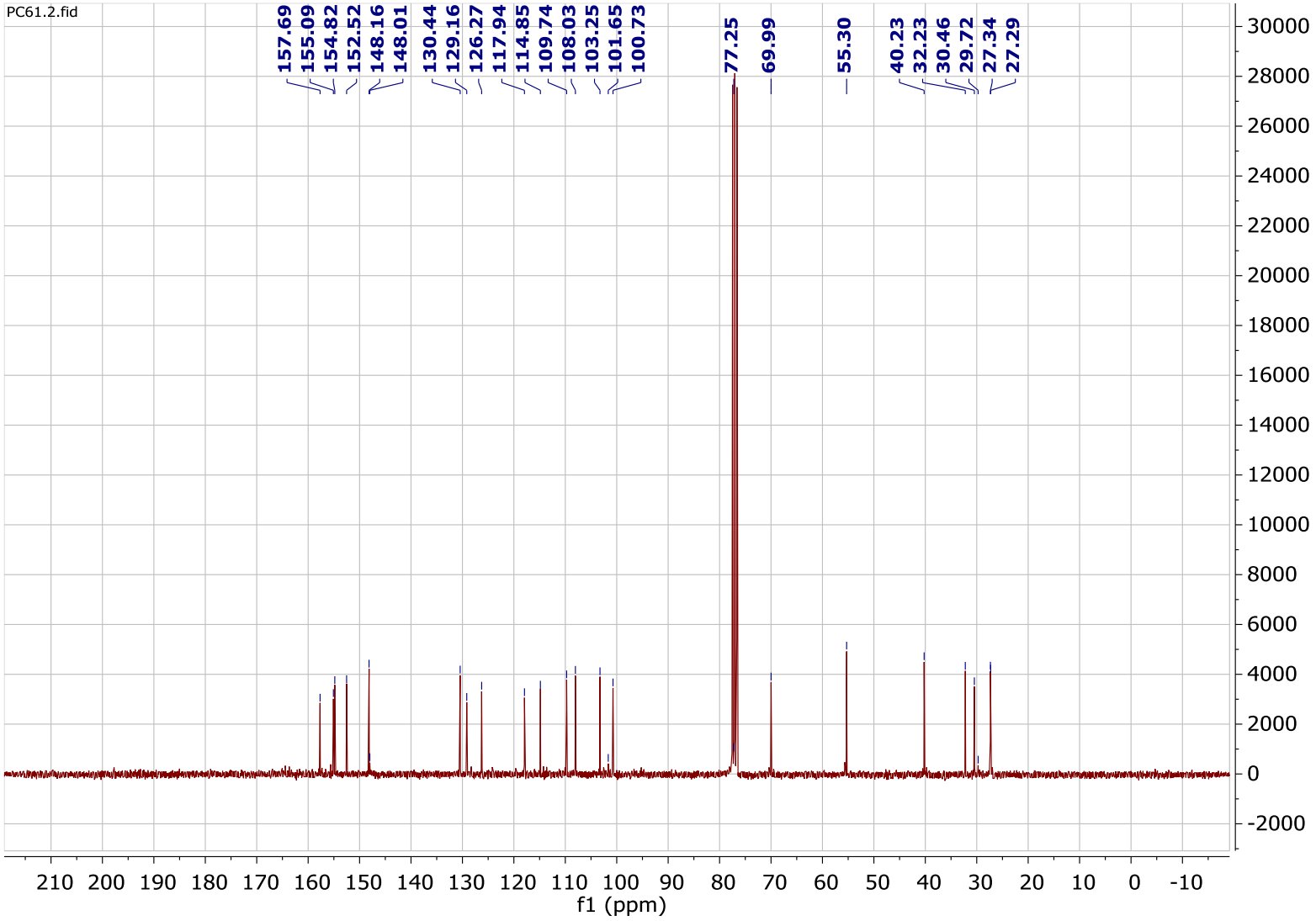
2

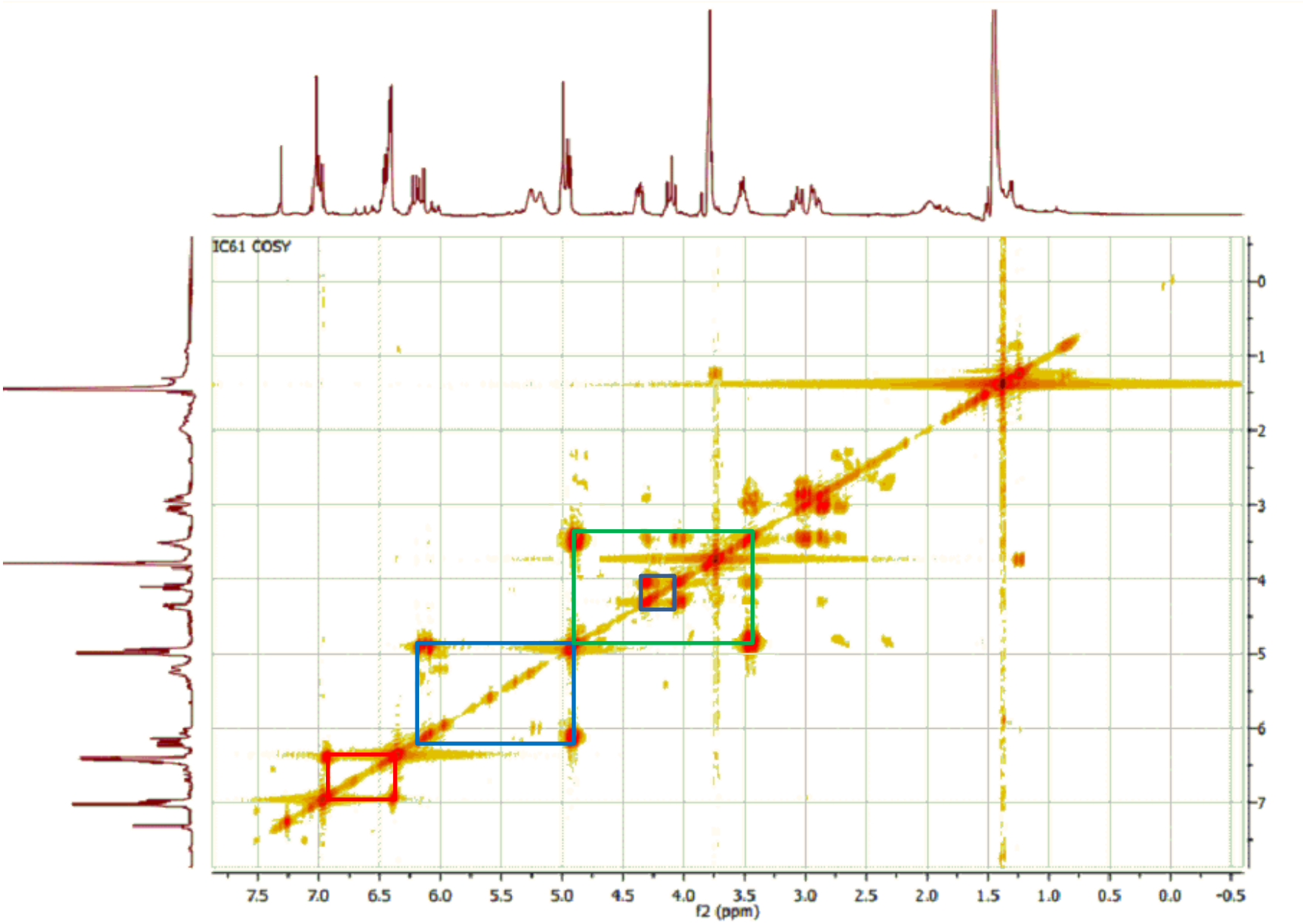
Seputhecarpan D


PC61 16-19 DOM.10.fid
7.024
7.006
6.979
6.459
6.450
6.438
6.432
6.423
6.413
6.405
6.398
6.230
6.196
6.190
6.176
6.170
6.136
5.022
4.992
4.991
4.966
4.957
4.952
4.937
4.932
4.395
4.389
4.384
4.377
4.361
4.354
4.349
4.342
4.138
4.104
4.070
3.834
3.818
3.808
3.797
3.792
3.526
3.510
3.084
3.068
3.032
2.960
2.953
2.941
2.935
1.442
1.325
750
700
650
600
550
500
450
400
350
300
250
200
150
100
50
0
-50
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0
-1
-2
-3
-4
f1 (ppm)

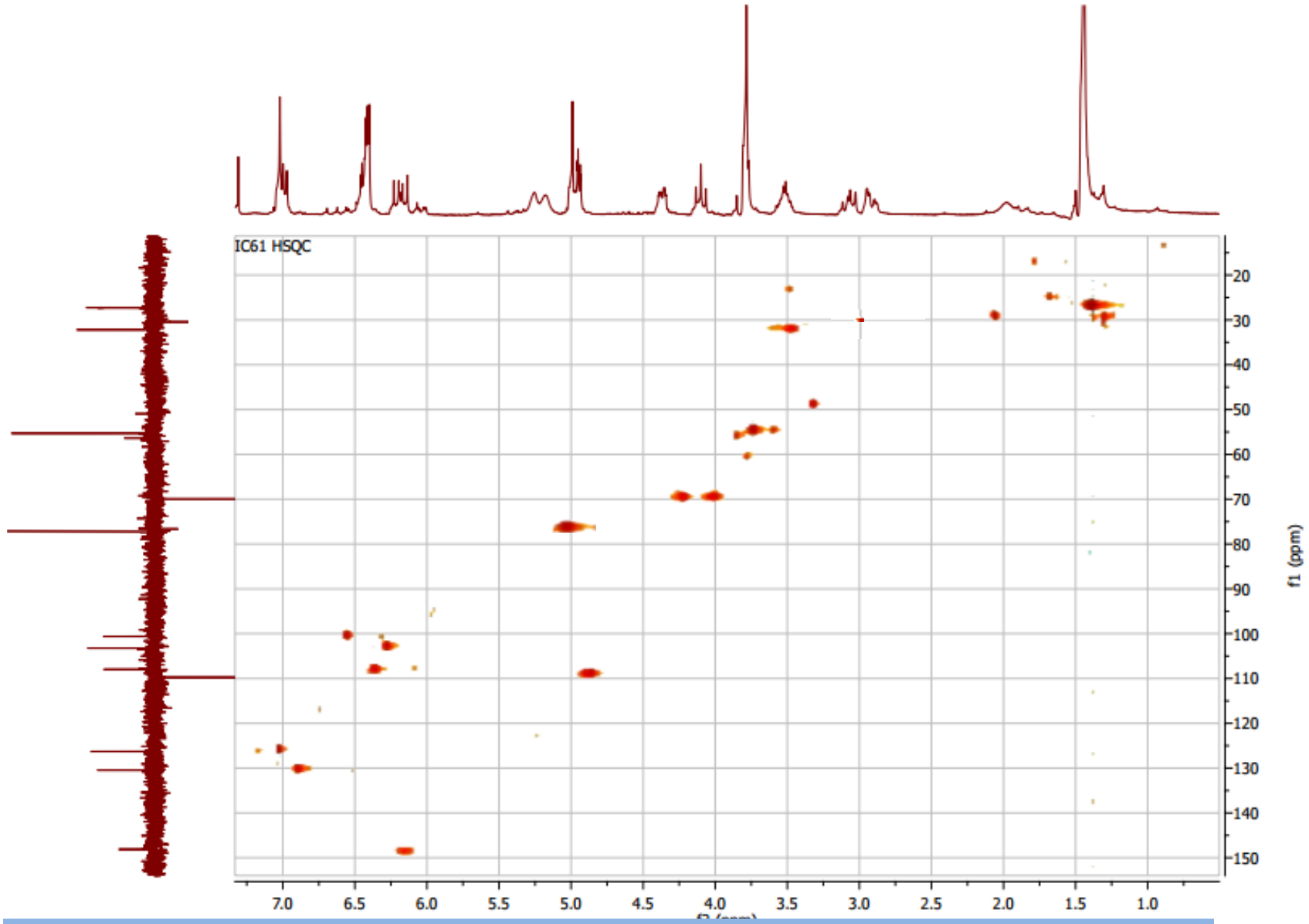

PC61 16-19 DOM.10.fid
7.024
7.006
6.979
6.459
6.450
6.438
6.432
6.423
6.413
6.405
6.398
6.230
6.196
6.190
6.176
6.170
6.136
5.022
4.992
4.991
4.966
4.957
4.952
4.937
4.932
4.395
4.389
4.384
4.377
4.361
4.354
4.349
4.342
4.138
4.104
4.070
3.834
3.818
3.808
3.797
3.792
3.510
3.494
3.084
3.068
3.032
2.960
2.953
2.941
2.935
1.442
1.325
1.73
2.71
1.02
3.26
0.93
0.94
3.12
1.03
0.96
1.02
5.09
1.17
f1 (ppm)


PC61 16-19 DOM.10.fid
7.024 7.006 6.979 6.459 6.450 6.438 6.432 6.423 6.413 6.405 6.398 6.230 6.196 6.190 6.176 6.170 6.136 5.022 4.992 4.991 4.966 4.957 4.952 4.937 4.932 4.395 4.389 4.384 4.377 4.361 4.354 4.349 4.342 4.138 4.104 4.070 3.834 3.818 3.808 3.797 3.792 3.510 3.494 3.084 3.068 3.032 2.960 2.953 2.941 2.935 1.442 1.325
A (d) 7.00
B (ddd) 6.43
C (m) 6.18
D (m) 4.97
E (ddd) 4.37
F (dd) 4.11
G (m) 3.80
H (dd) 3.51
I (dd) 3.08
J (m) 2.94
K (s) 1.44
L (s) 1.33
1.73
2.71
1.02
3.26
0.93
0.94
3.12
1.03
0.96
1.02
5.09
1.17
f1 (ppm)

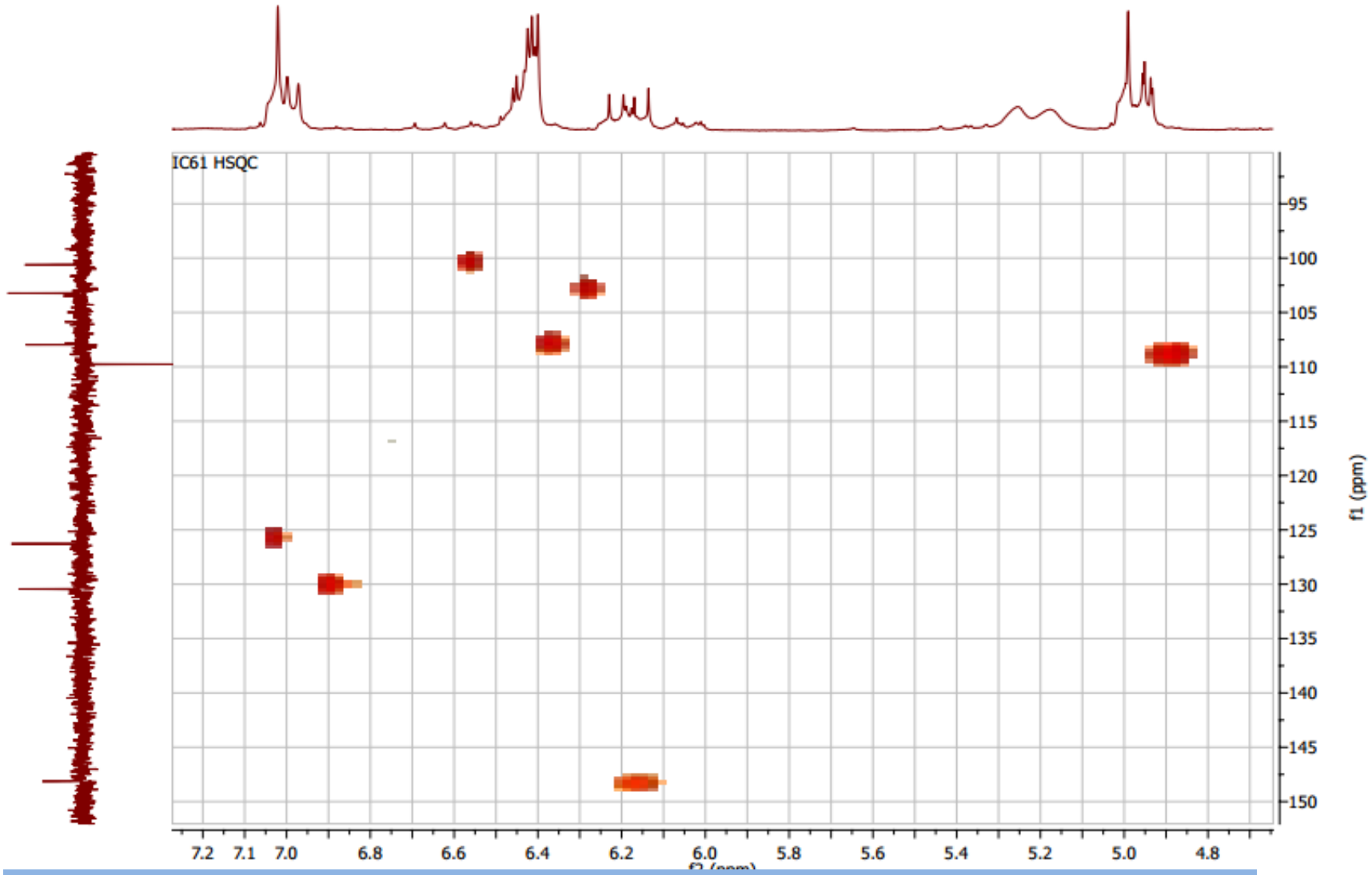

PC61.2.fid
157.69
155.09
154.82
152.52
148.16
148.01
130.44
129.16
126.27
117.94
114.85
109.74
108.03
103.25
101.65
100.73
77.25
69.99
55.30
40.23
32.23
30.46
29.72
27.34
27.29
30000
28000
26000
24000
22000
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 -10
f1 (ppm)



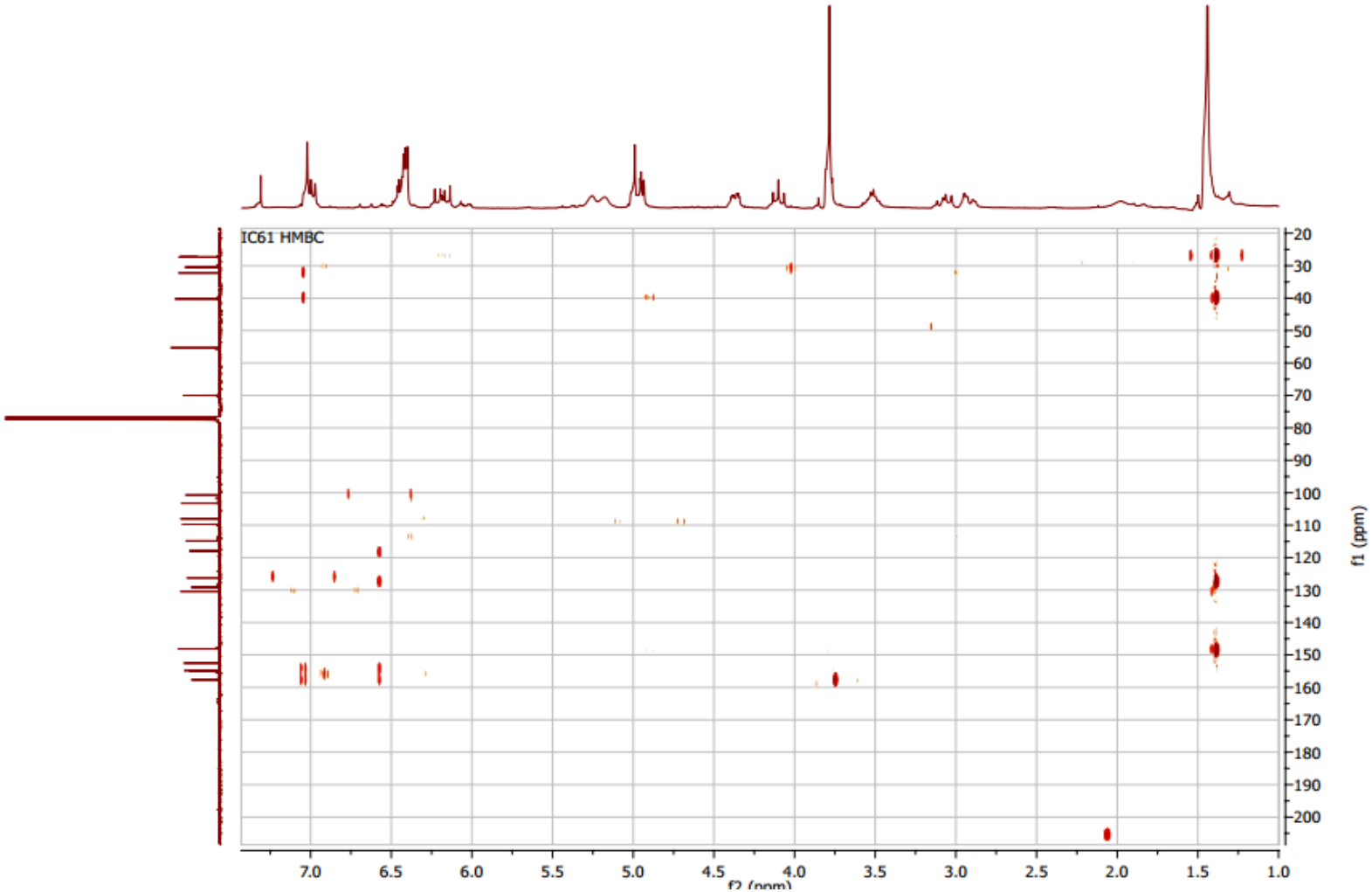
COSY spectrum of compound 2



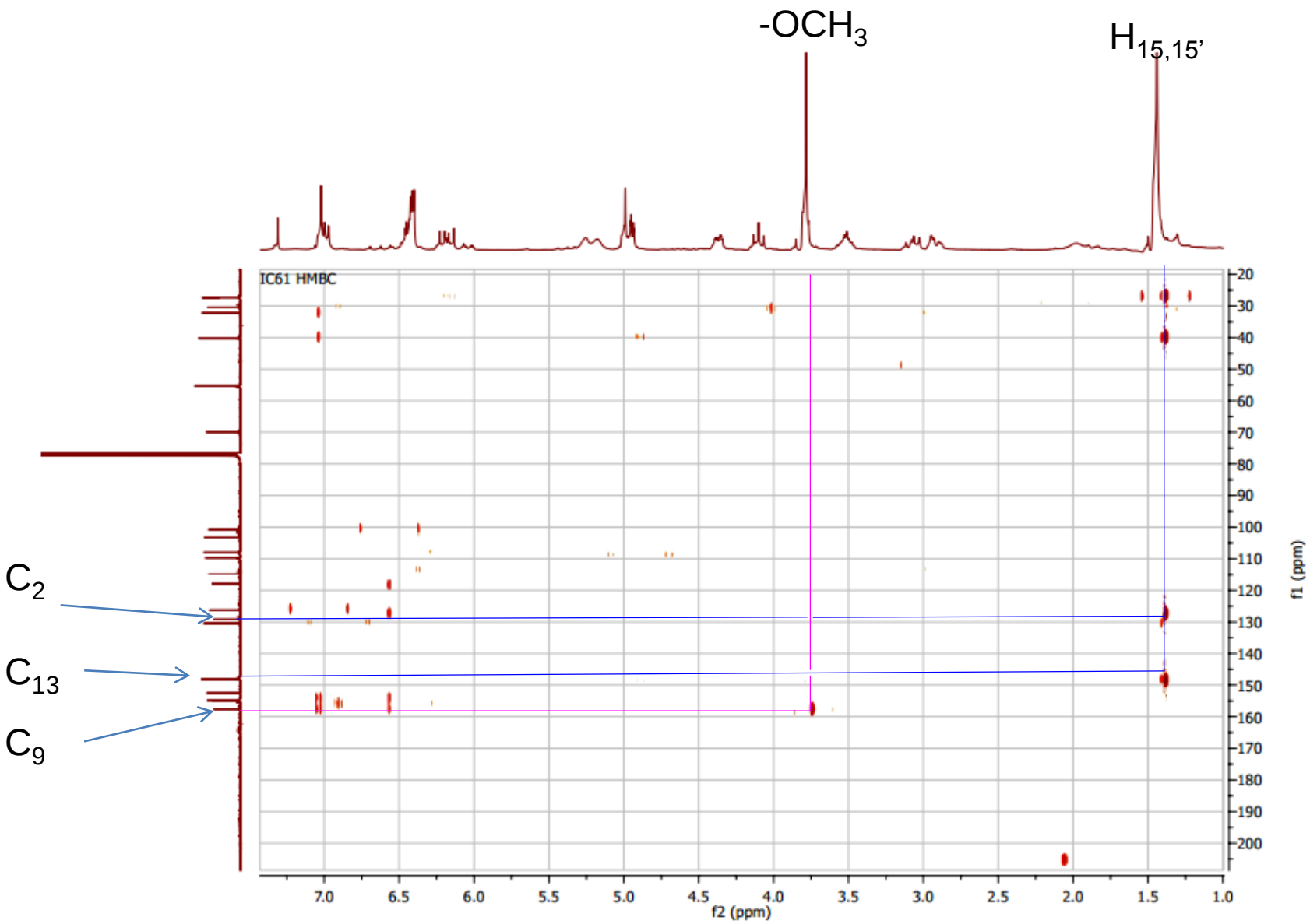
HSQC spectrum of compound 2



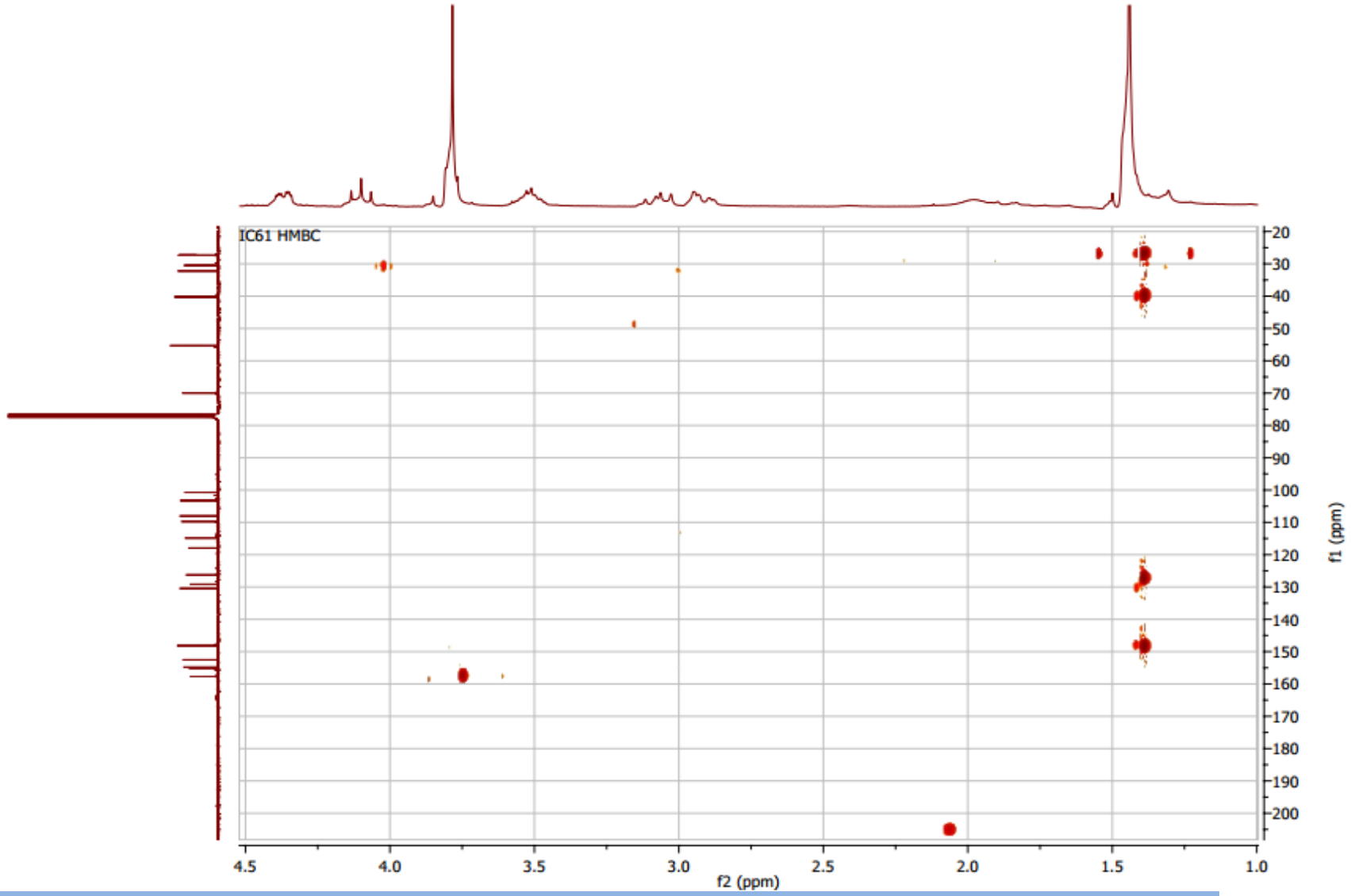
HSQC spectrum of compound 2 continued



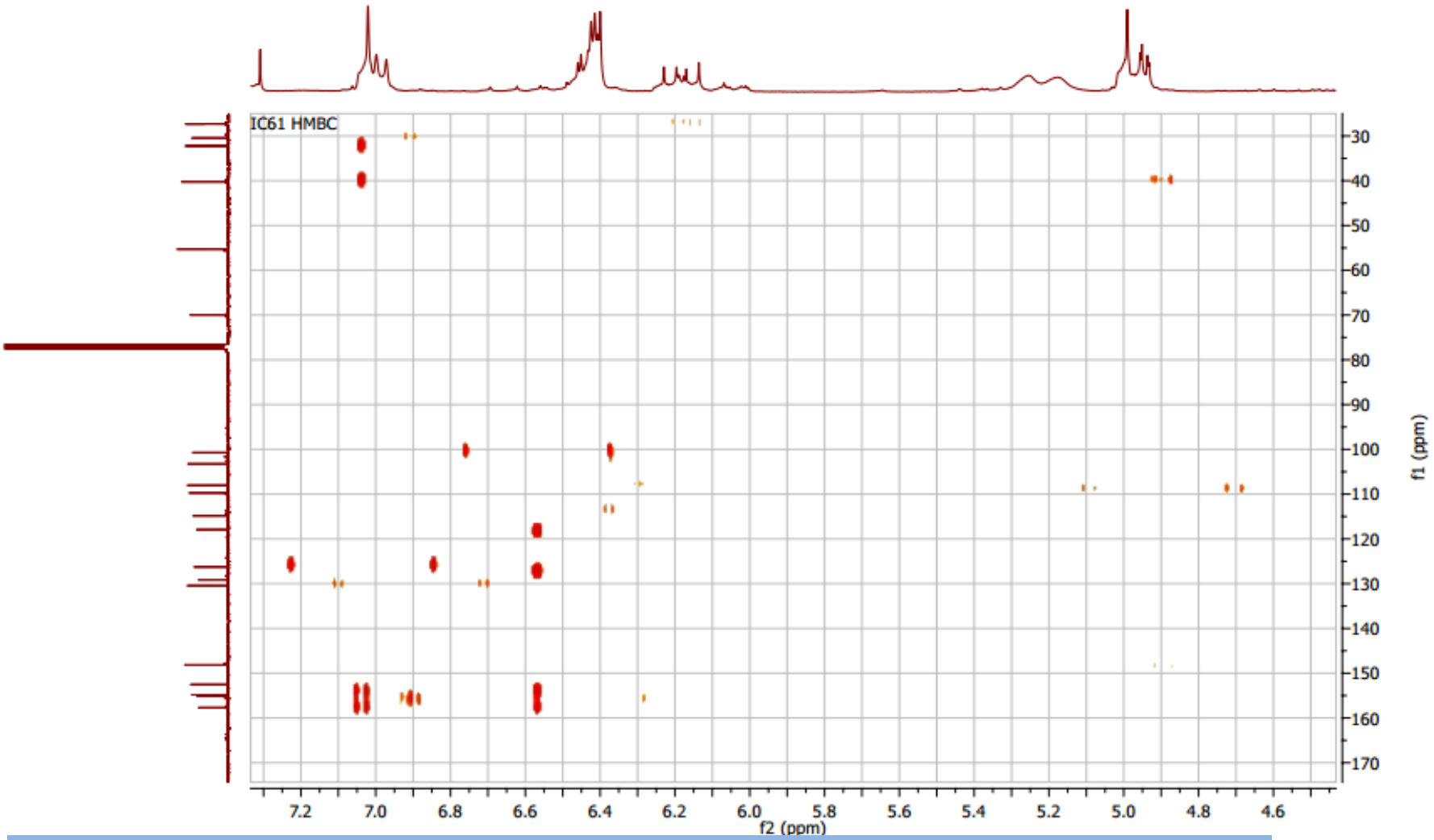
Full HMBC spectrum of compound 2



Important HMBC correlations of compound 2



HMBC spectrum of compound 2 (methoxy and methyl groups)



HMBC spectrum of compound 2 (aromatic region)