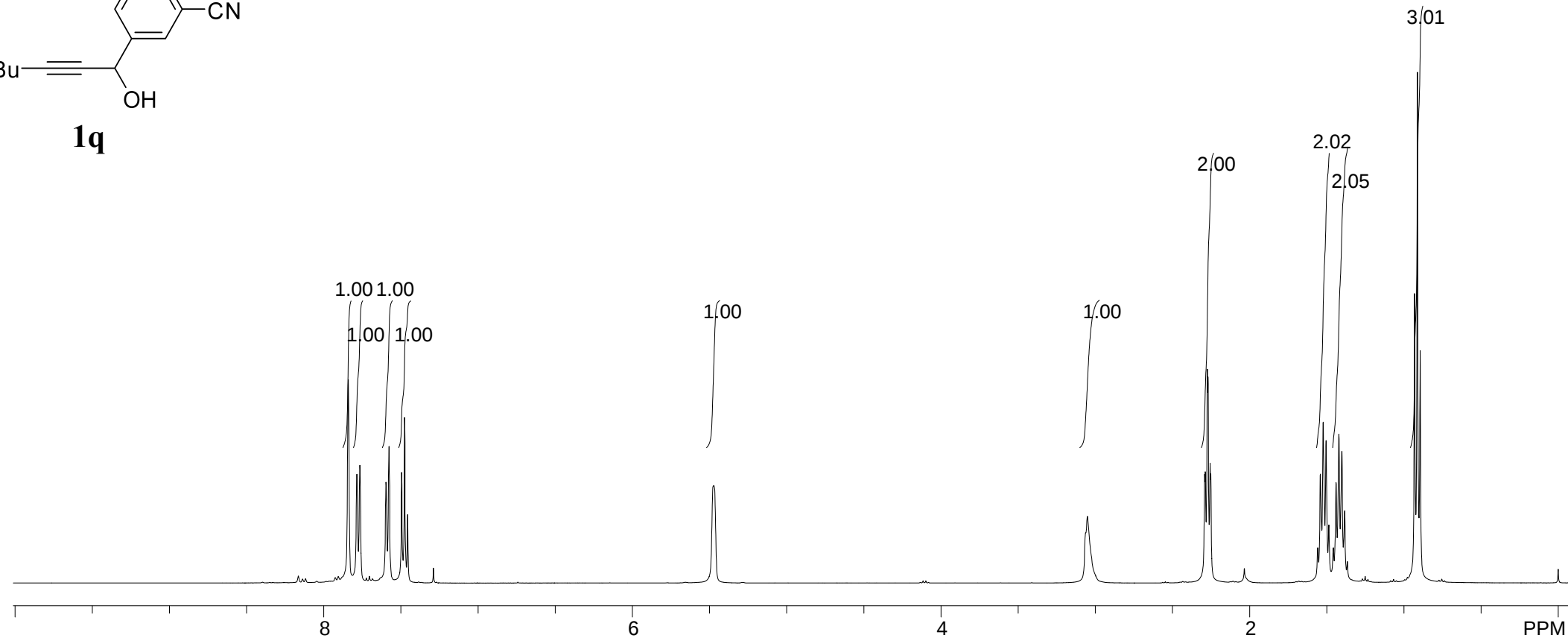
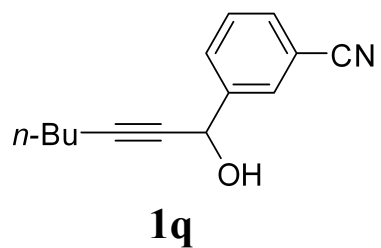


wgl-1-001H
Mar 20 2018
NA = 4
Solvent = cdcl3
F1 = 399.749542 MHz
F2 = 100.526031 MHz

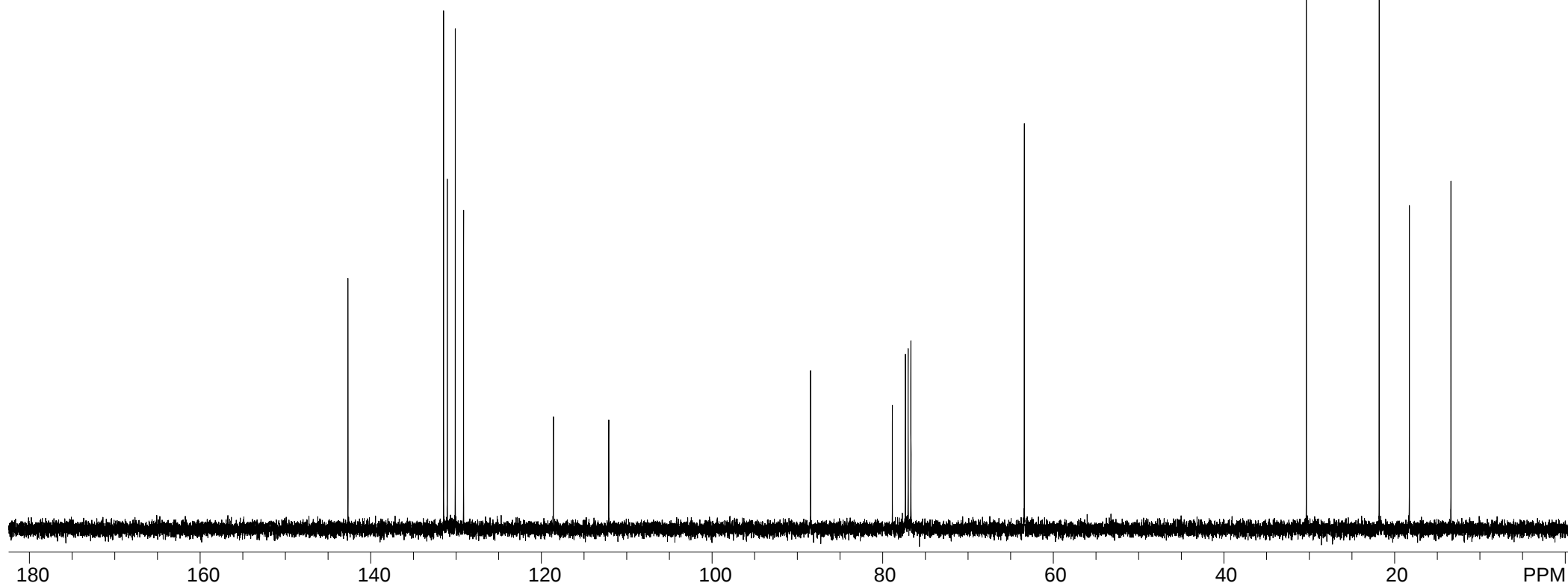
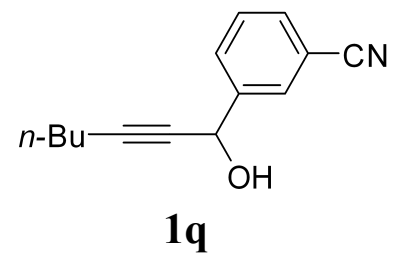
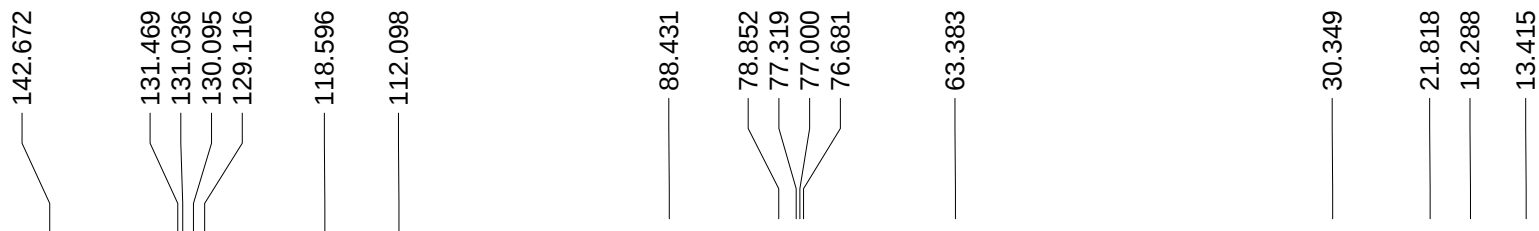
7.841
7.785
7.766
7.597
7.577
7.496
7.476
7.457

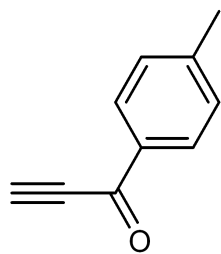
5.473

3.064
3.052
2.291
2.287
2.274
2.270
2.256
2.251
1.558
1.542
1.523
1.504
1.487
1.457
1.440
1.421
1.402
1.384
1.366
0.931
0.912
0.895
0.000



wgl-1-001C
Mar 20 2018
NA = 64
Solvent = cdcl3
F1 = 100.527557 MHz
F2 = 399.749146 MHz





2b

8.066
8.045

7.304
7.284
7.262

3.397

2.438

1.599

-0.000

zd-4-12h
Jun 28 2018
NA = 4
Solvent = CDCl₃
F1 = 400.130005 MHz
F2 = 1.000000 MHz

2.00

2.19

0.96

3.12

10

8

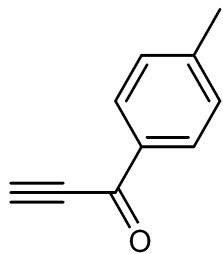
6

4

2

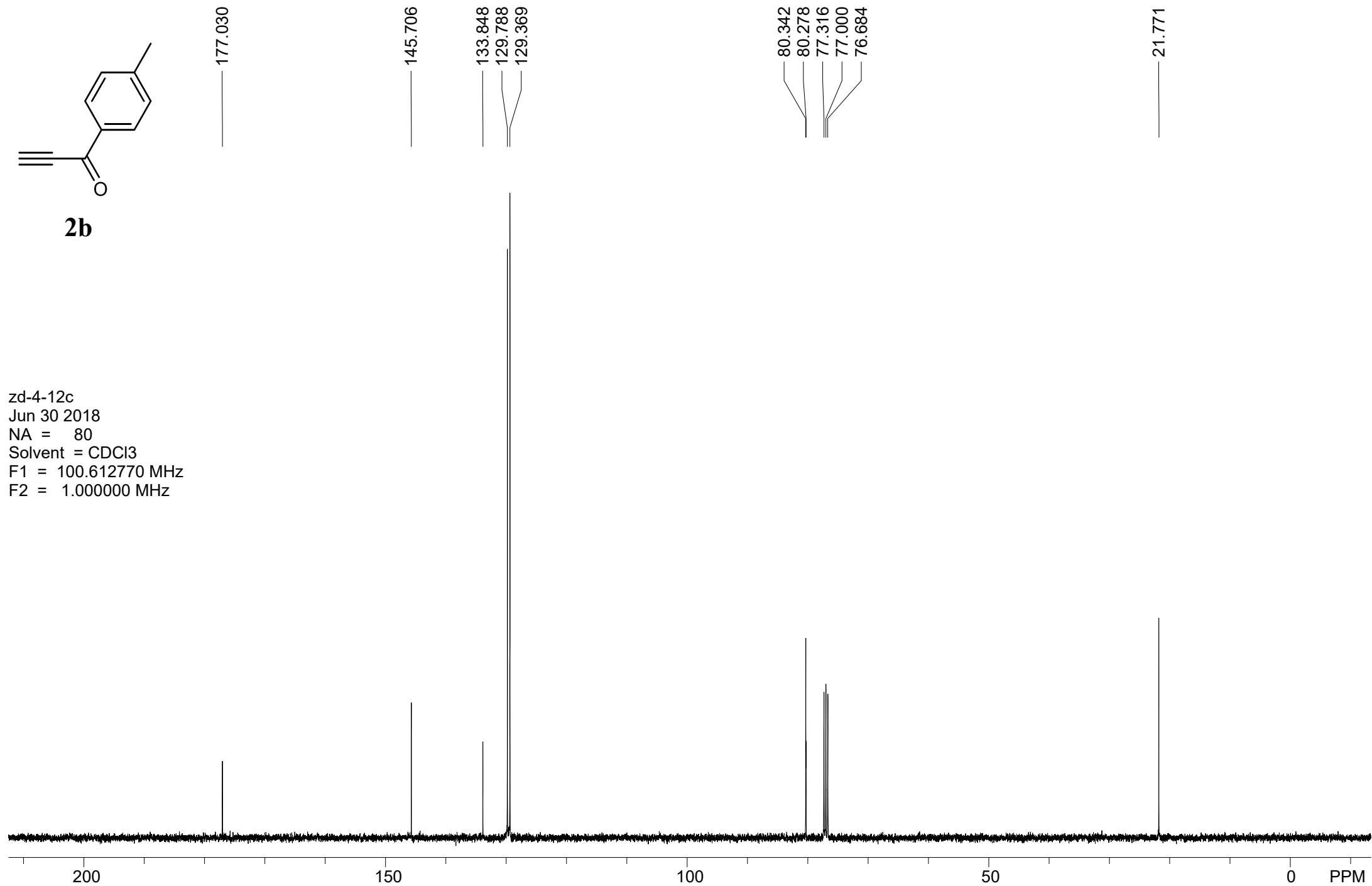
0

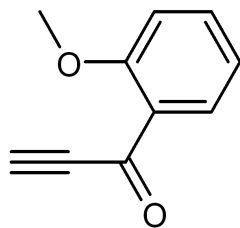
PPM



2b

zd-4-12c
Jun 30 2018
NA = 80
Solvent = CDCl₃
F1 = 100.612770 MHz
F2 = 1.000000 MHz





2c

8.071
8.066
8.051
8.047
7.572
7.568
7.550
7.533
7.528
7.263
7.059
7.040
7.021
7.014
6.993

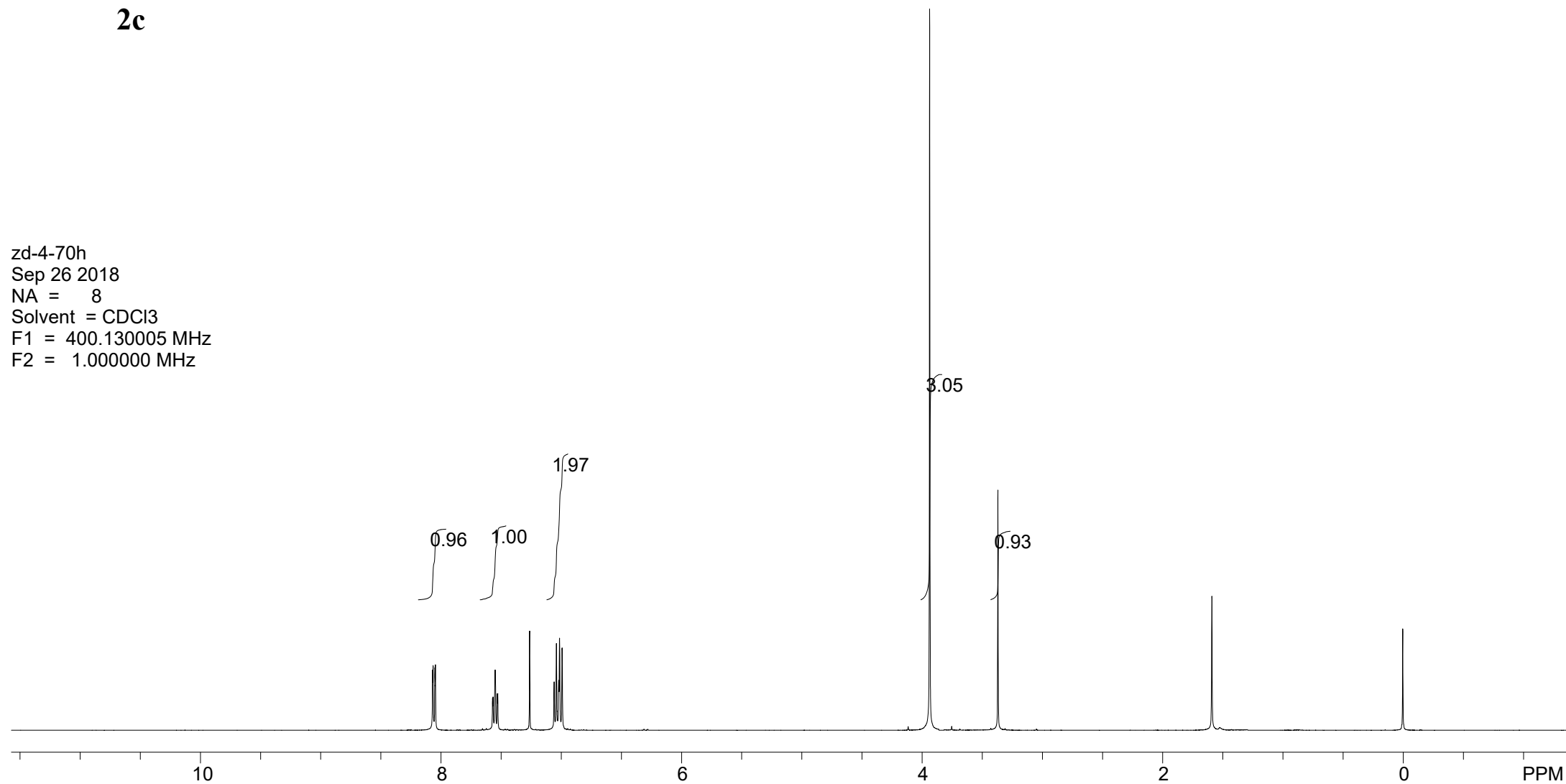
3.936

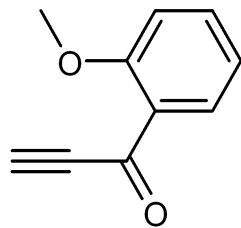
3.368

1.587

-0.000

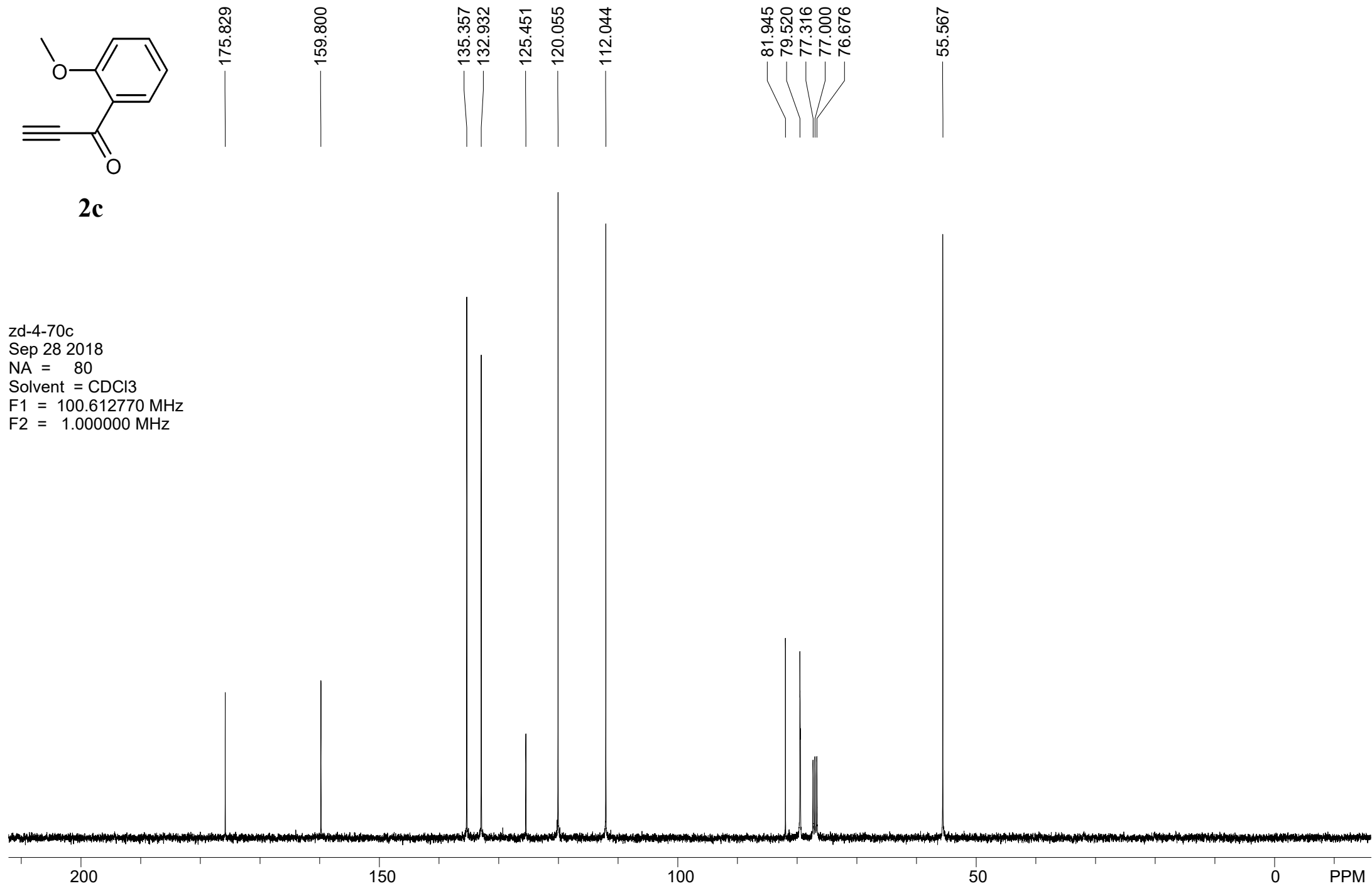
zd-4-70h
Sep 26 2018
NA = 8
Solvent = CDCl₃
F1 = 400.130005 MHz
F2 = 1.000000 MHz

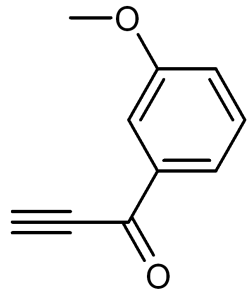




2c

zd-4-70c
 Sep 28 2018
 NA = 80
 Solvent = CDCl₃
 F1 = 100.612770 MHz
 F2 = 1.000000 MHz





2d

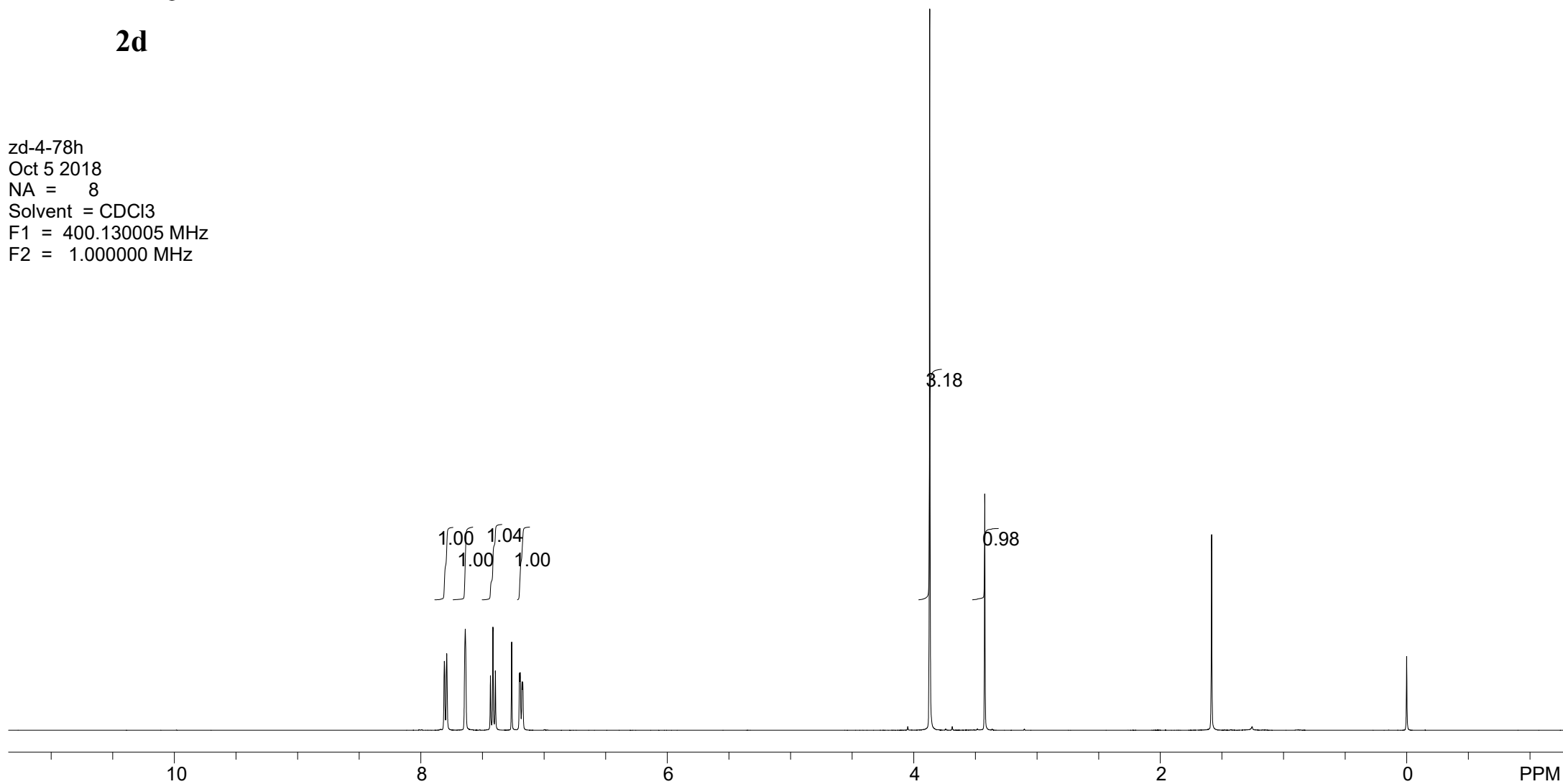
zd-4-78h
 Oct 5 2018
 NA = 8
 Solvent = CDCl₃
 F1 = 400.130005 MHz
 F2 = 1.000000 MHz

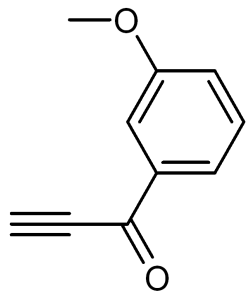
7.809
 7.790
 7.639
 7.435
 7.415
 7.395
 7.263
 7.199
 7.194
 7.178
 7.173

3.873
 3.426

1.583

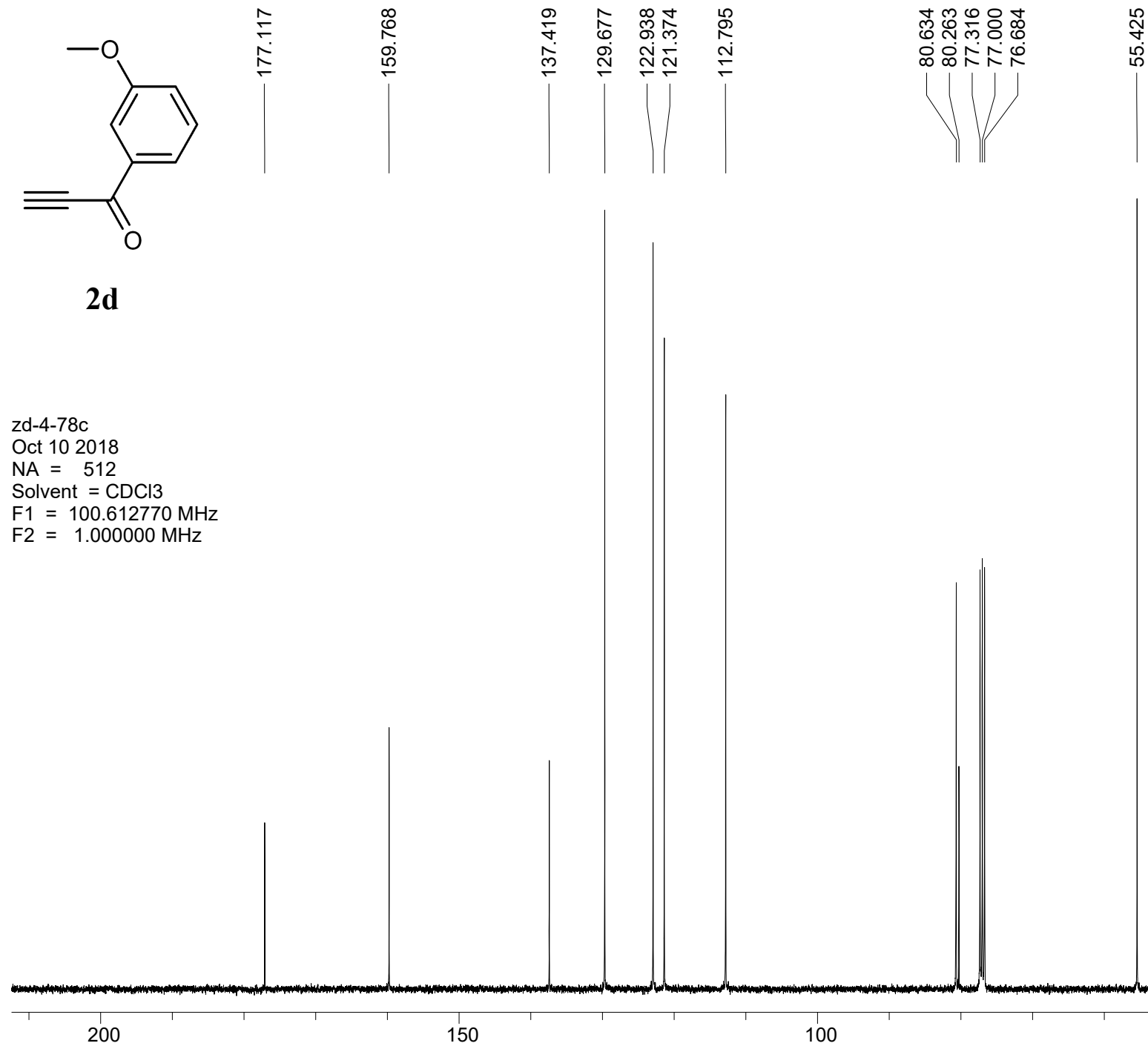
-0.000

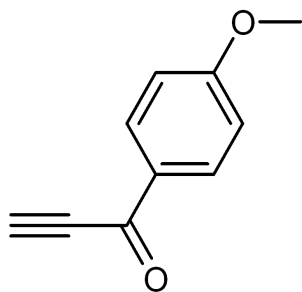




2d

zd-4-78c
Oct 10 2018
NA = 512
Solvent = CDCl₃
F1 = 100.612770 MHz
F2 = 1.000000 MHz





2e

8.146
8.123

7.264
6.977
6.955

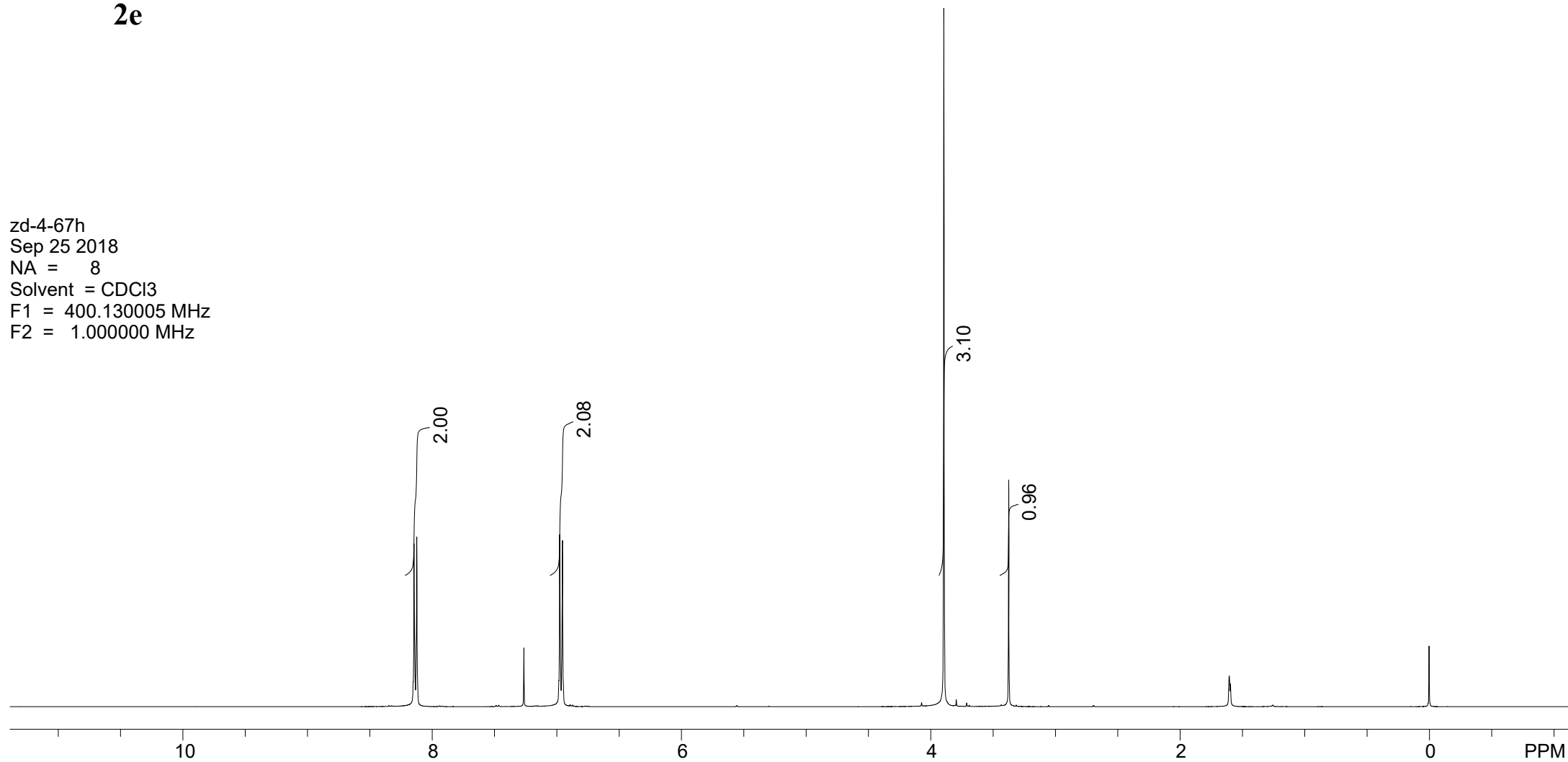
3.896

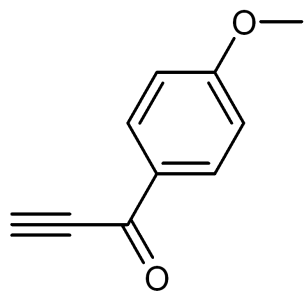
3.375

1.604

-0.000

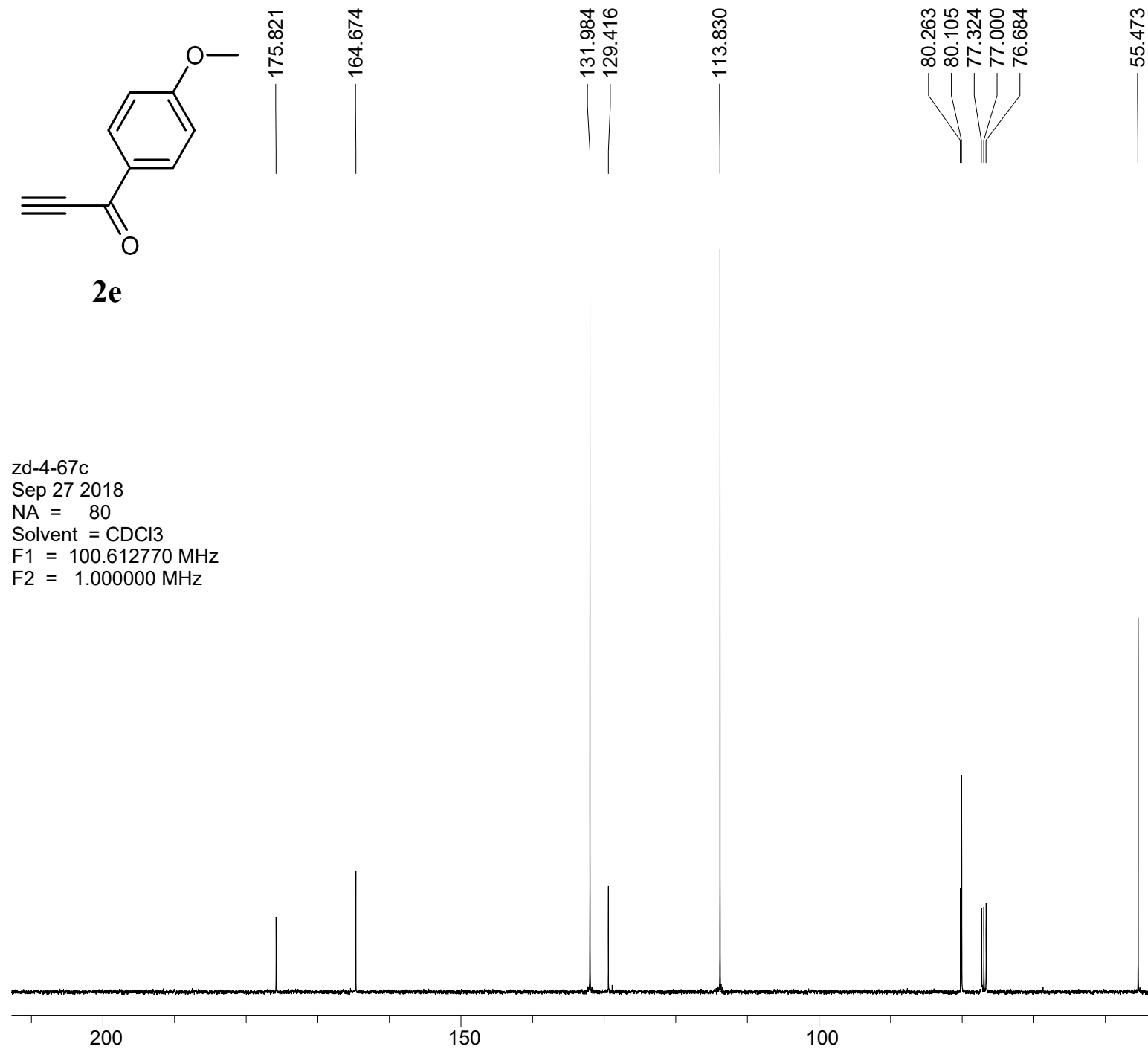
zd-4-67h
Sep 25 2018
NA = 8
Solvent = CDCl₃
F1 = 400.130005 MHz
F2 = 1.000000 MHz

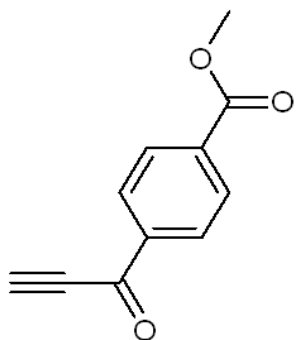




2e

zd-4-67c
Sep 27 2018
NA = 80
Solvent = CDCl3
F1 = 100.612770 MHz
F2 = 1.000000 MHz





2f

8.231
8.210
8.167
8.146

7.271

3.966

3.530

1.640

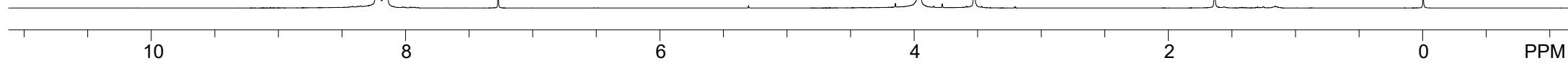
-0.000

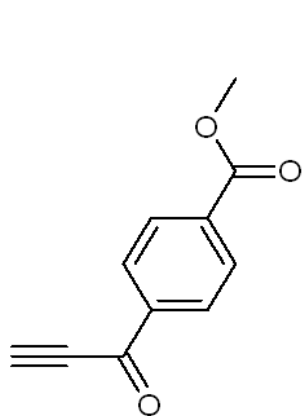
zd-4-69h
Sep 25 2018
NA = 8
Solvent = CDCl₃
F1 = 400.130005 MHz
F2 = 1.000000 MHz

1.97
2.03

3.02

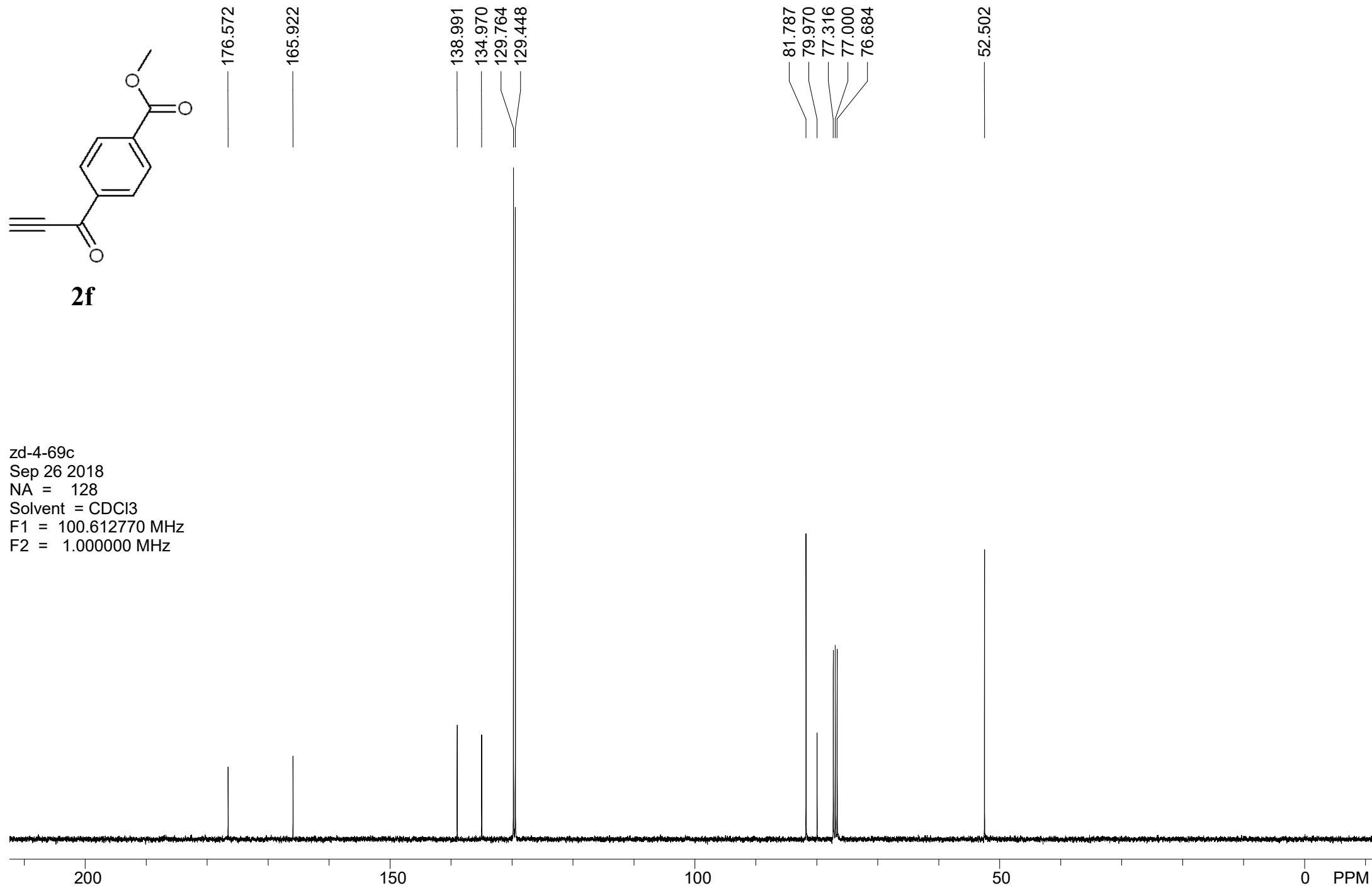
0.95

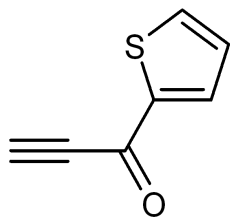




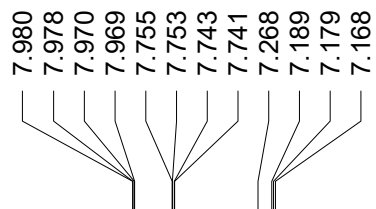
2f

zd-4-69c
Sep 26 2018
NA = 128
Solvent = CDCl₃
F1 = 100.612770 MHz
F2 = 1.000000 MHz

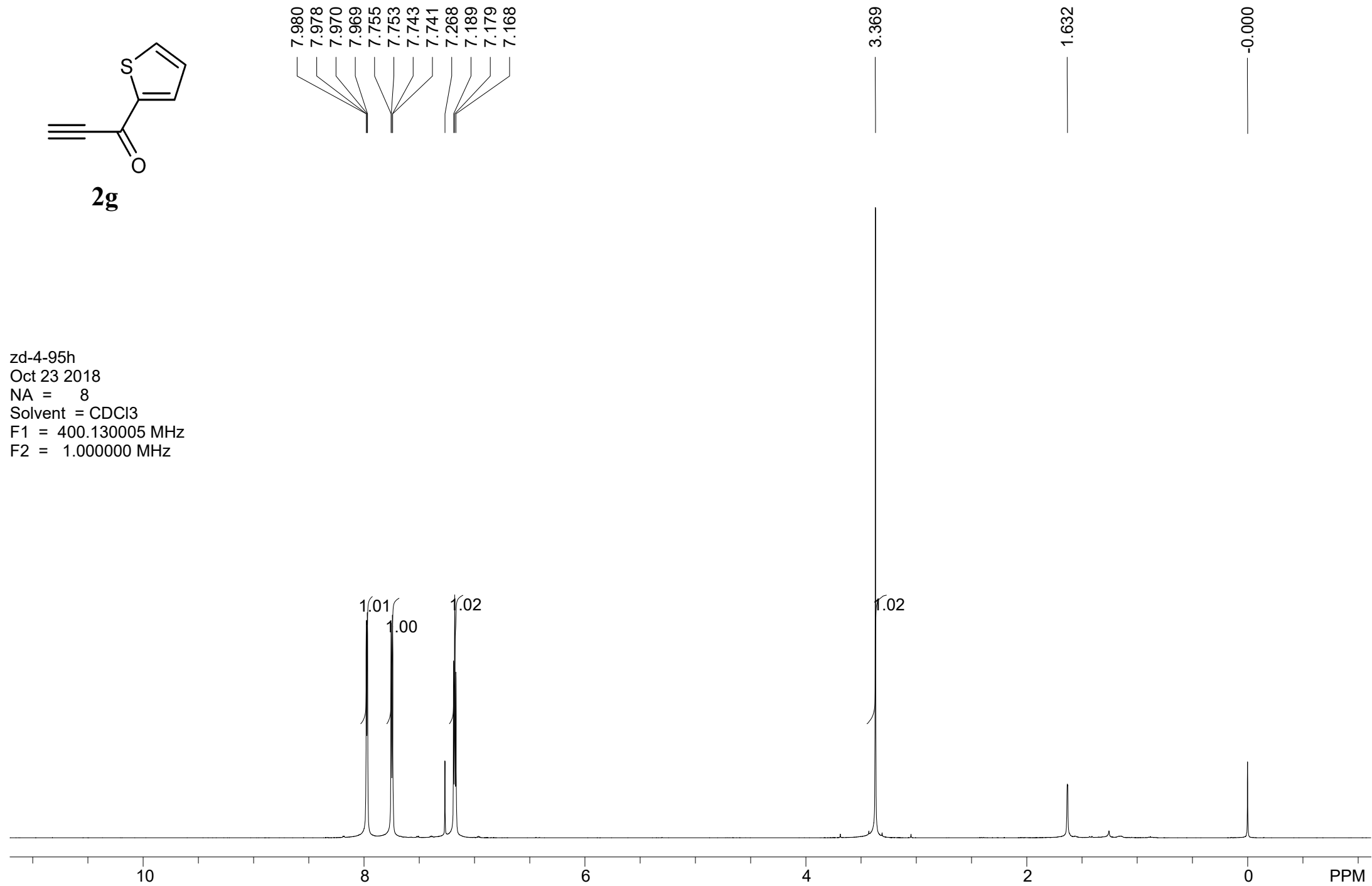


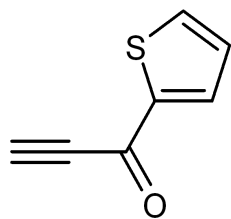


2g



zd-4-95h
 Oct 23 2018
 NA = 8
 Solvent = CDCl₃
 F1 = 400.130005 MHz
 F2 = 1.000000 MHz





2g

169.011

144.031

136.084

135.902

128.405

79.797

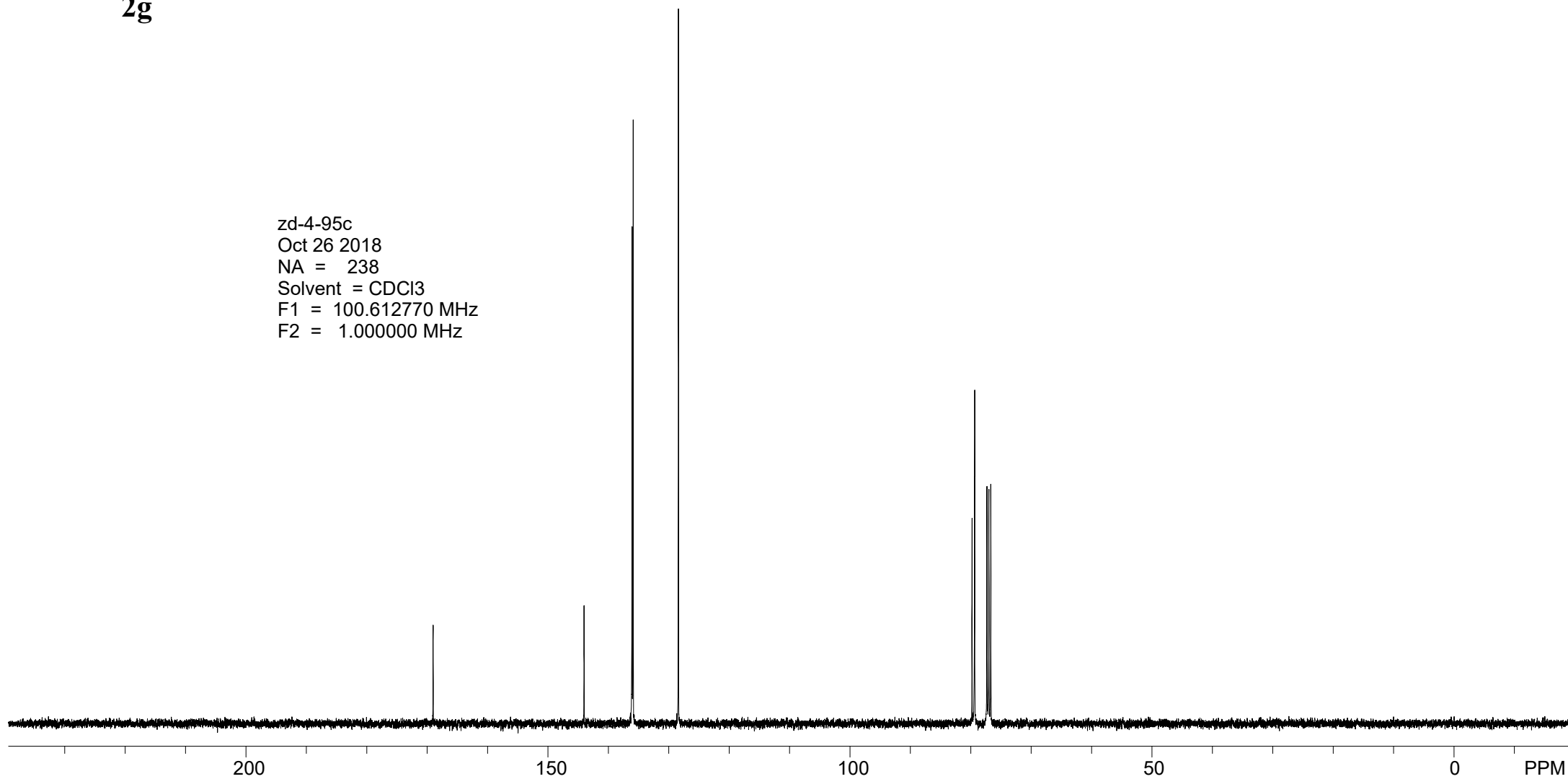
79.346

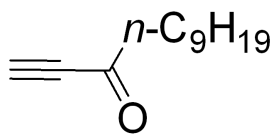
77.324

77.000

76.684

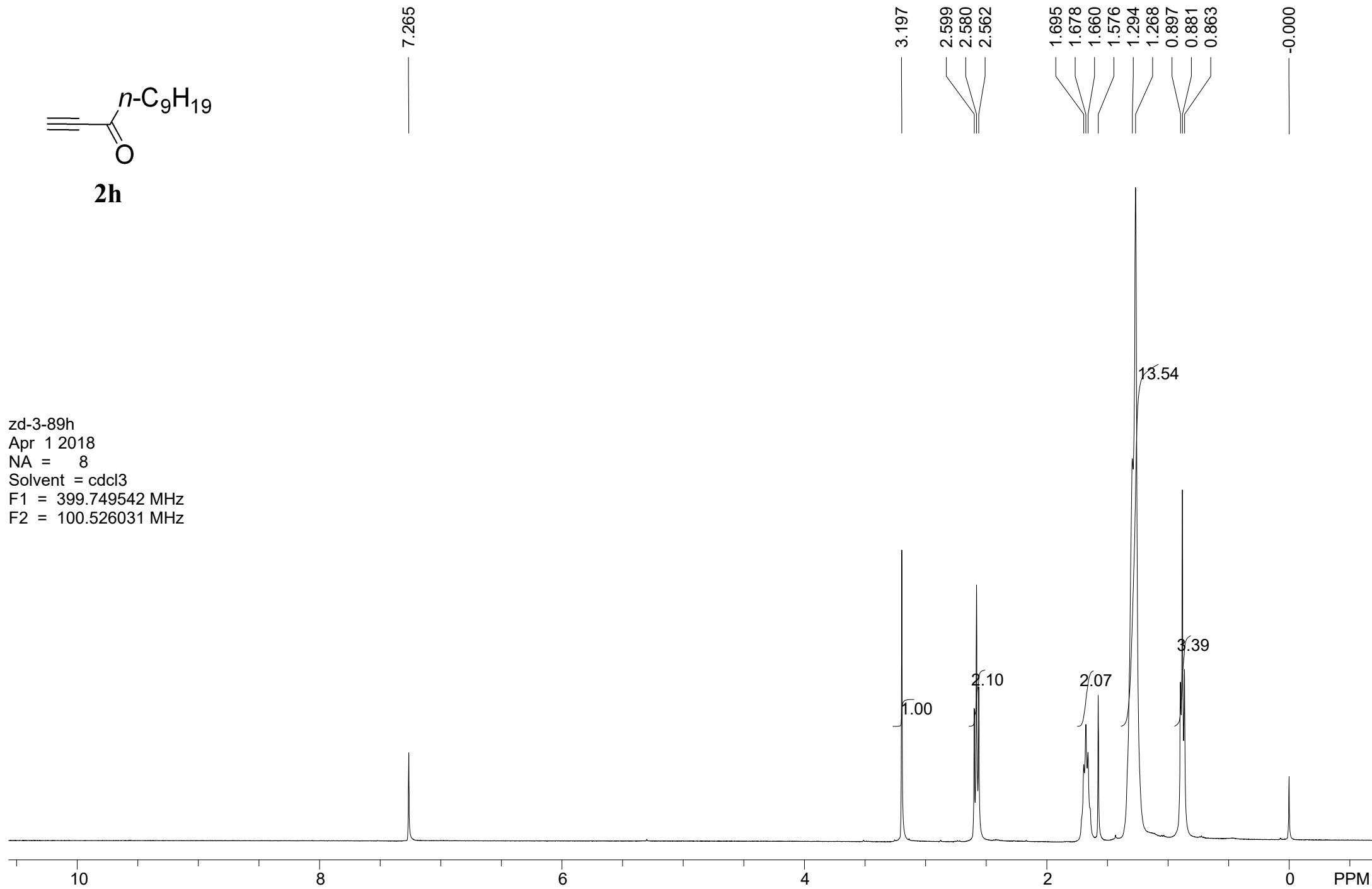
zd-4-95c
Oct 26 2018
NA = 238
Solvent = CDCl₃
F1 = 100.612770 MHz
F2 = 1.000000 MHz

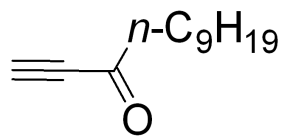




2h

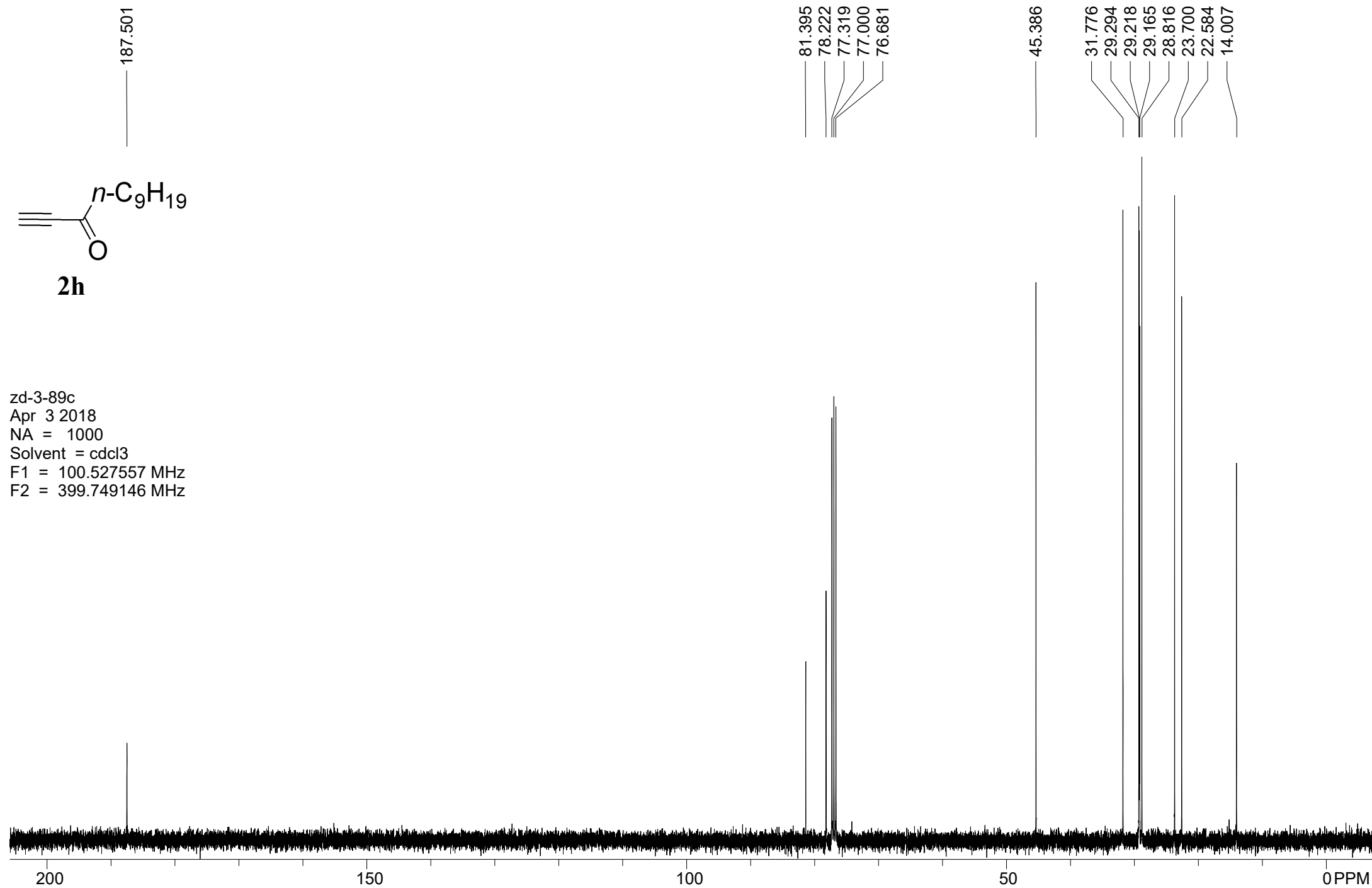
zd-3-89h
 Apr 1 2018
 NA = 8
 Solvent = cdcl3
 F1 = 399.749542 MHz
 F2 = 100.526031 MHz

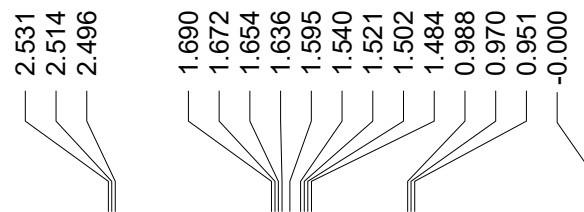
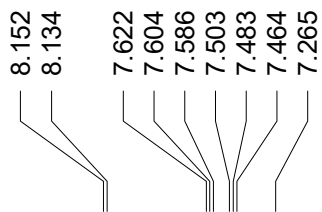
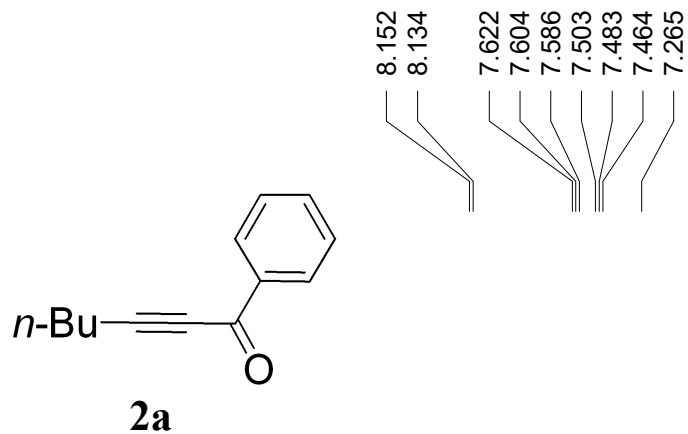




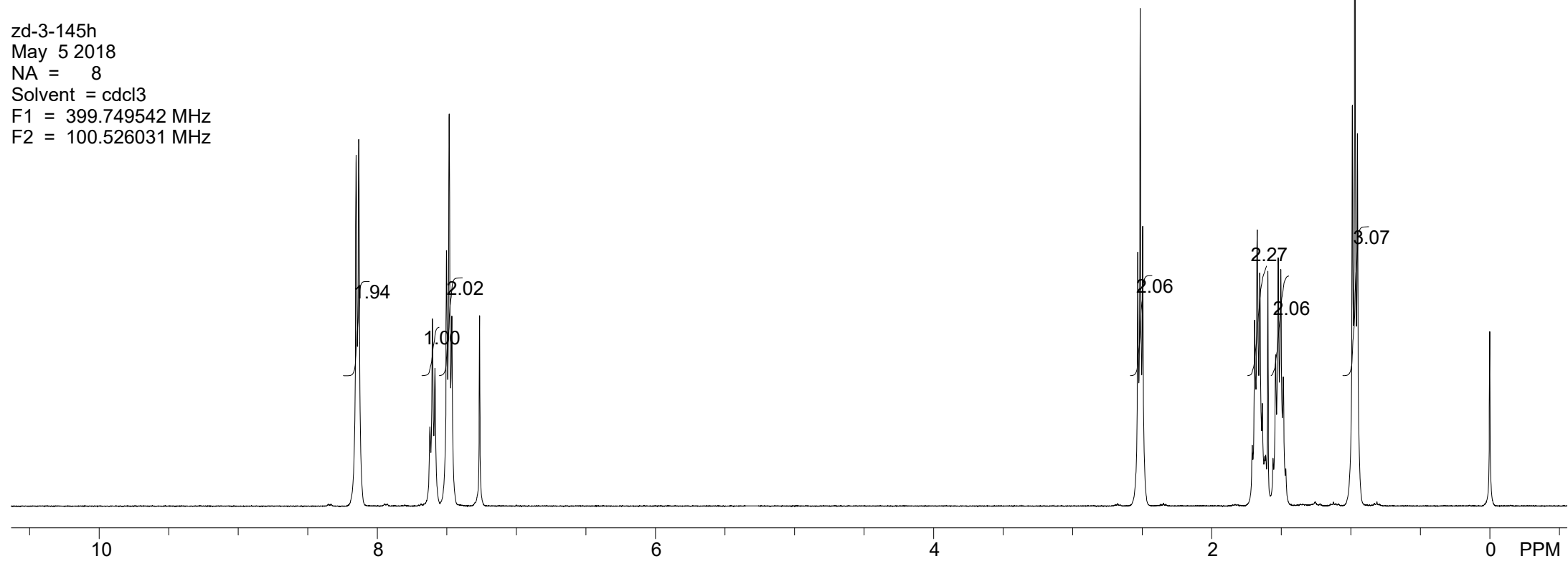
2h

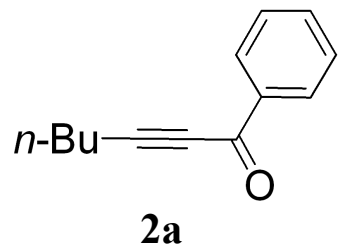
zd-3-89c
Apr 3 2018
NA = 1000
Solvent = cdcl3
F1 = 100.527557 MHz
F2 = 399.749146 MHz



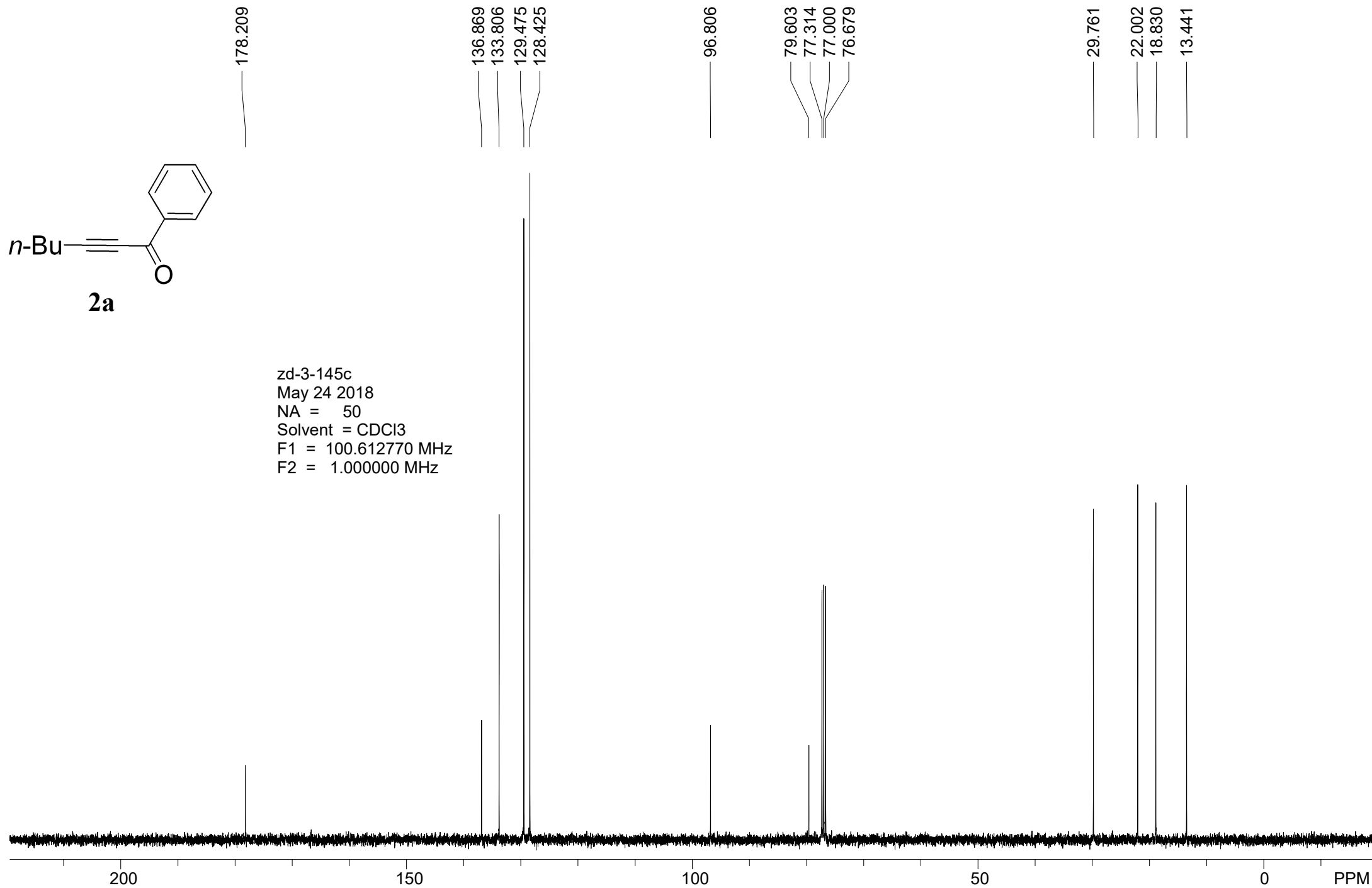


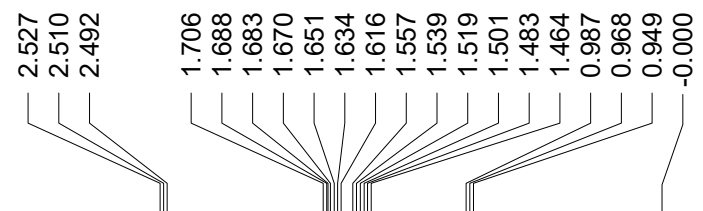
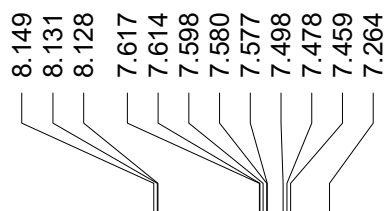
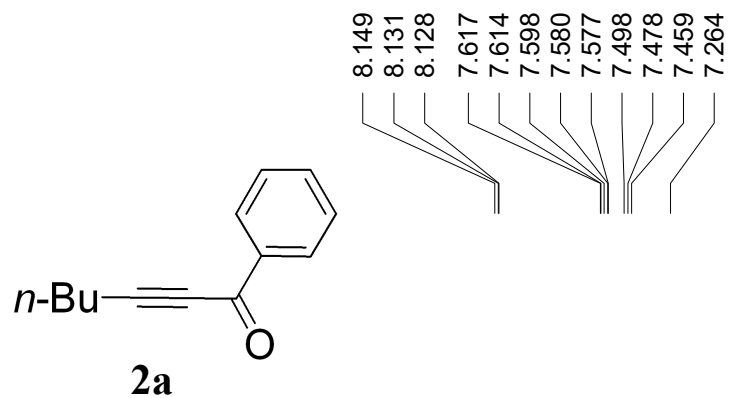
zd-3-145h
 May 5 2018
 NA = 8
 Solvent = cdcl3
 F1 = 399.749542 MHz
 F2 = 100.526031 MHz



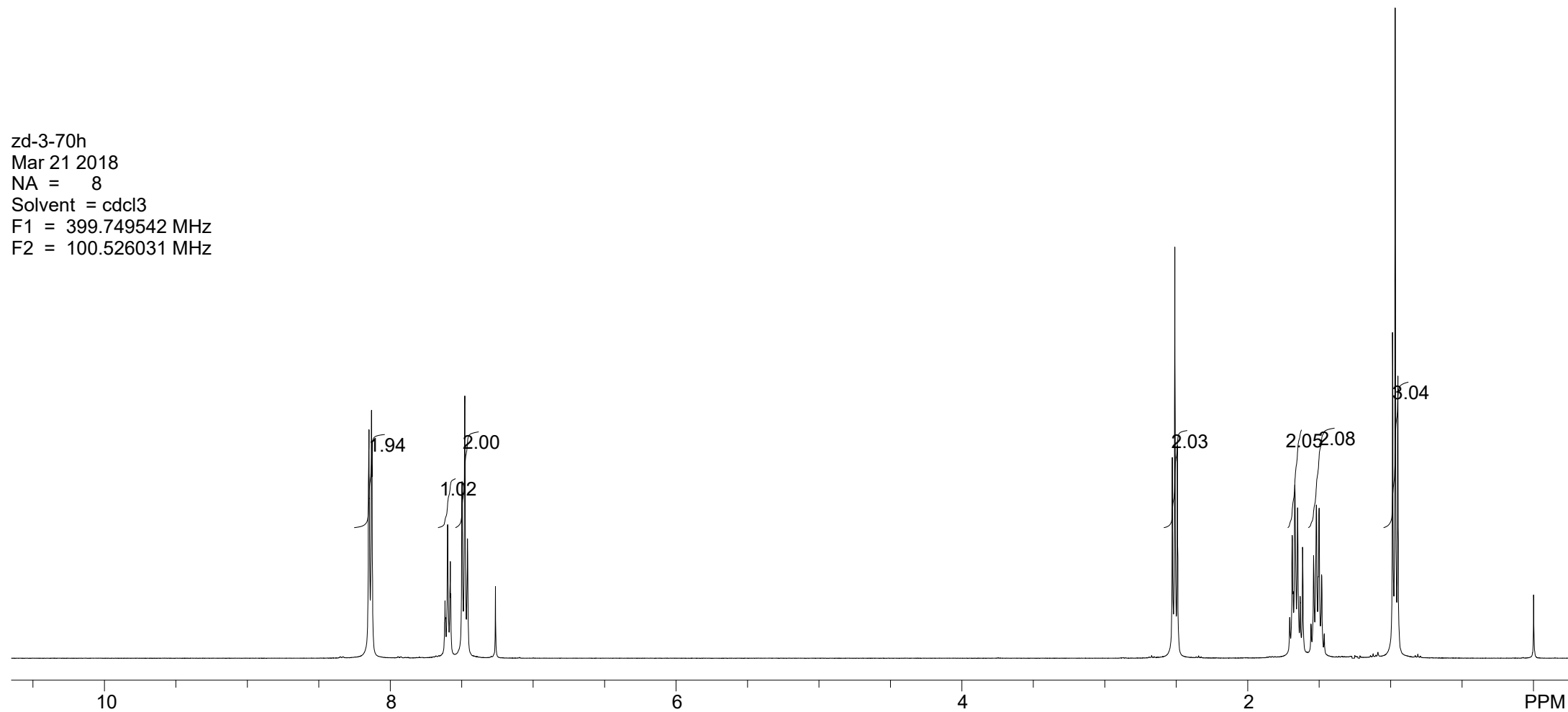


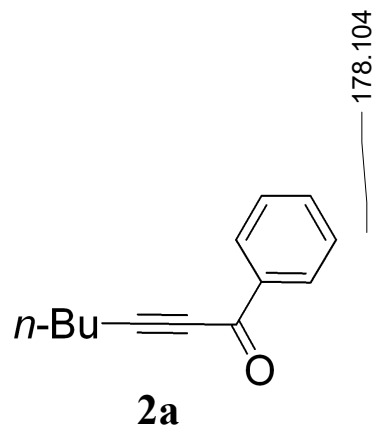
zd-3-145c
May 24 2018
NA = 50
Solvent = CDCl₃
F1 = 100.612770 MHz
F2 = 1.000000 MHz



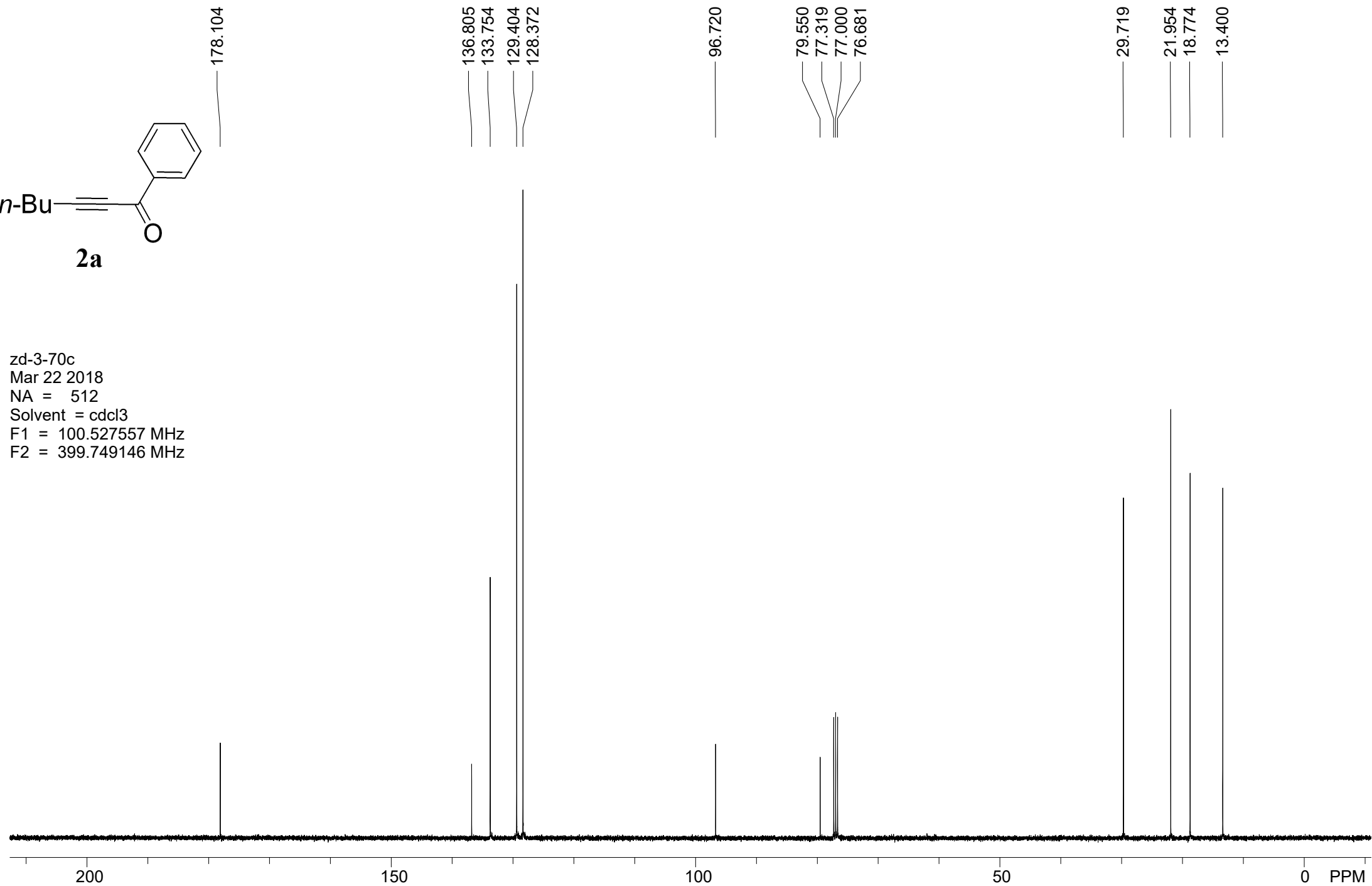


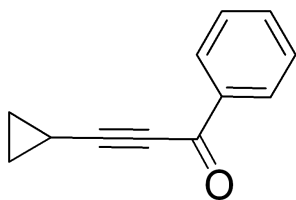
zd-3-70h
 Mar 21 2018
 NA = 8
 Solvent = cdcl3
 F1 = 399.749542 MHz
 F2 = 100.526031 MHz





zd-3-70c
 Mar 22 2018
 NA = 512
 Solvent = cdcl₃
 F1 = 100.527557 MHz
 F2 = 399.749146 MHz



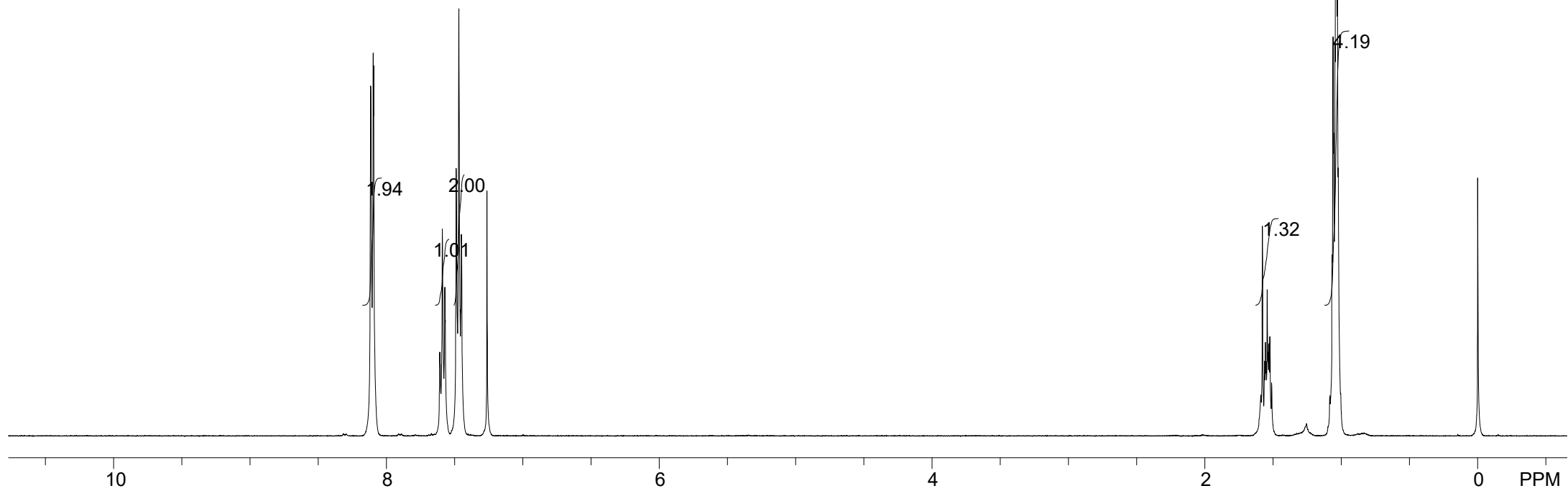


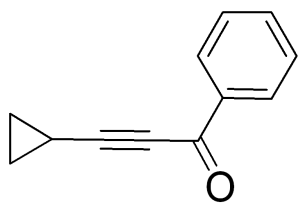
2i

zd-3-159h
 May 17 2018
 NA = 8
 Solvent = cdcl3
 F1 = 399.749542 MHz
 F2 = 100.526031 MHz

8.115
 8.097
 8.094
 7.608
 7.590
 7.571
 7.489
 7.468
 7.451
 7.263

1.590
 1.578
 1.562
 1.556
 1.551
 1.543
 1.537
 1.529
 1.523
 1.510
 1.084
 1.067
 1.060
 1.056
 1.045
 1.040
 1.029
 1.022
 1.004
 -0.000





2i

zd-3-159c
May 24 2018
NA = 80
Solvent = CDCl₃
F1 = 100.612770 MHz
F2 = 1.000000 MHz

177.735

136.767

133.624

129.242

128.294

100.962

77.314

77.000

76.679

75.367

9.744

-0.174

200

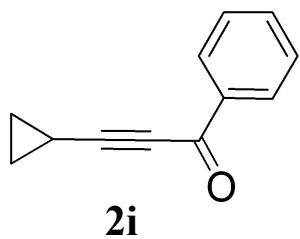
150

100

50

0

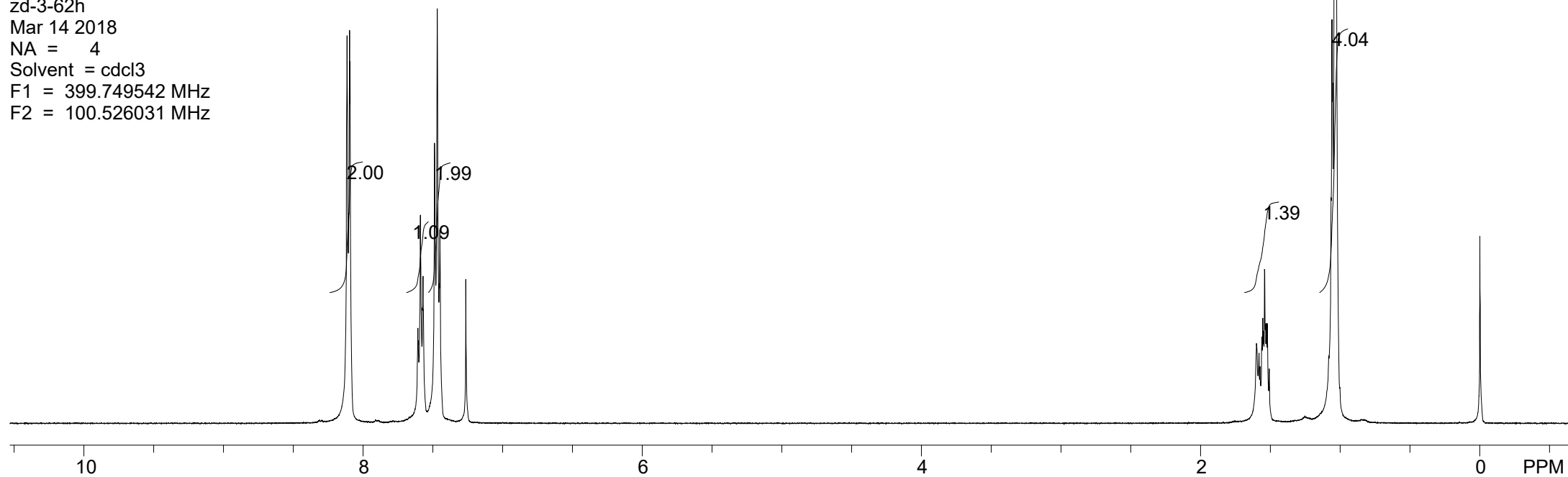
PPM

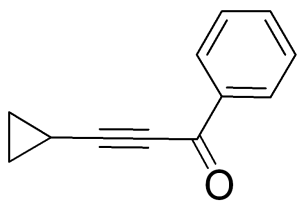


8.114
 8.097
 8.093
 7.607
 7.604
 7.589
 7.574
 7.570
 7.488
 7.468
 7.450
 7.264

1.600
 1.582
 1.575
 1.561
 1.555
 1.550
 1.543
 1.536
 1.530
 1.528
 1.522
 1.509
 1.083
 1.066
 1.059
 1.055
 1.044
 1.039
 1.028
 -0.000

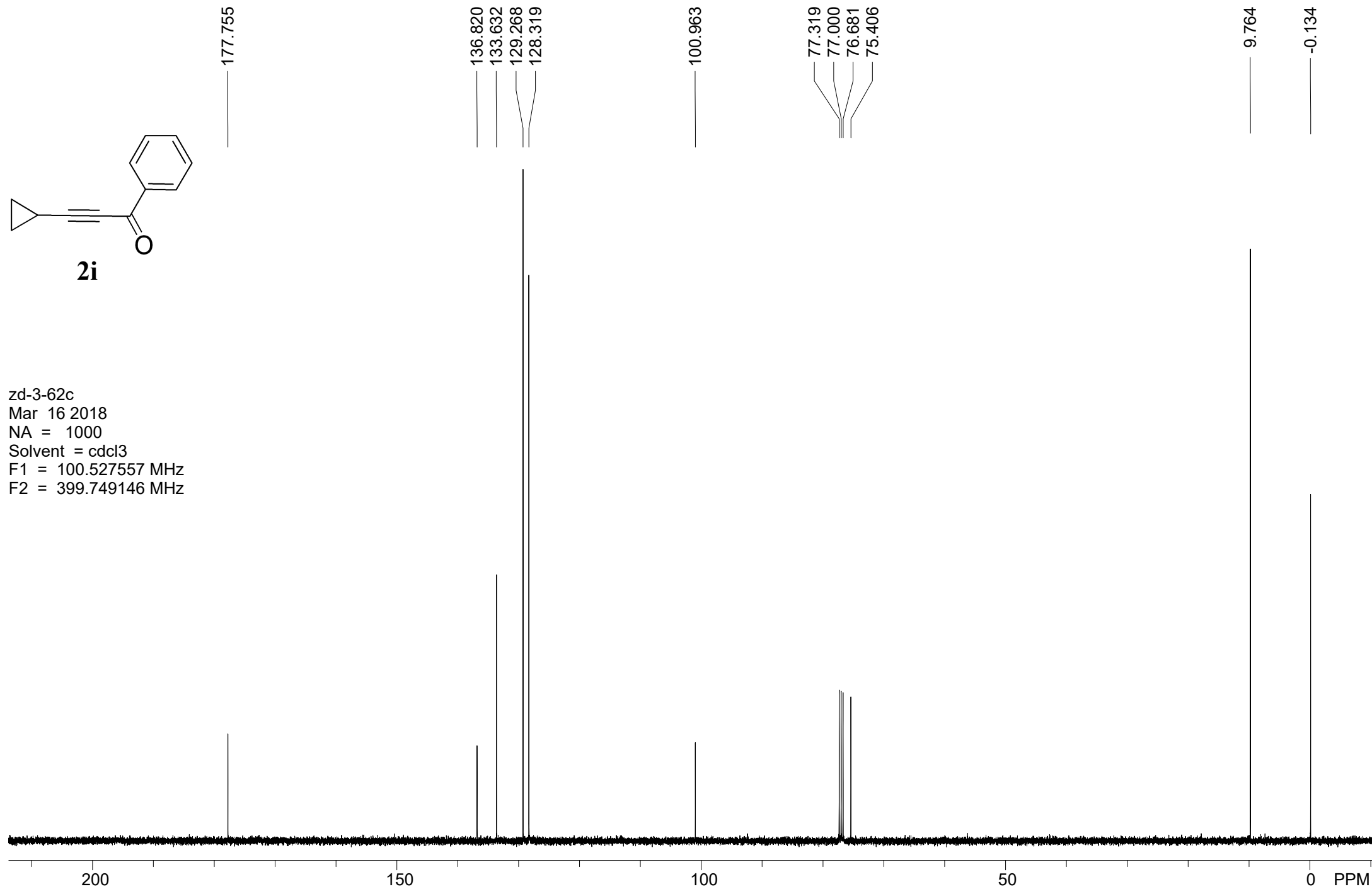
zd-3-62h
 Mar 14 2018
 NA = 4
 Solvent = cdcl3
 F1 = 399.749542 MHz
 F2 = 100.526031 MHz

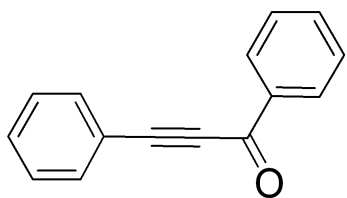




2i

zd-3-62c
Mar 16 2018
NA = 1000
Solvent = cdcl3
F1 = 100.527557 MHz
F2 = 399.749146 MHz





2j

zd-4-73h
 Sep 26 2018
 NA = 8
 Solvent = CDCl3
 F1 = 400.130005 MHz
 F2 = 1.000000 MHz

8.243
 8.224
 7.706
 7.689
 7.659
 7.640
 7.622
 7.546
 7.527
 7.508
 7.496
 7.478
 7.450
 7.432
 7.414
 7.260

1.562

-0.000

2.00

2.01

3.09

1.08

2.06

10

8

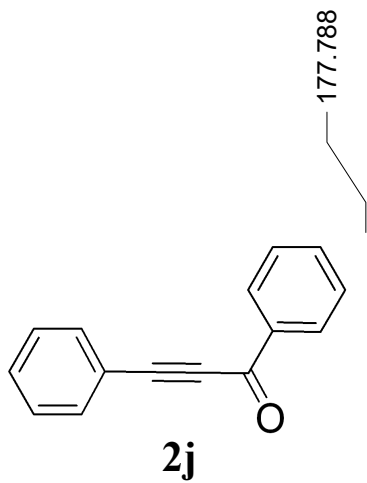
6

4

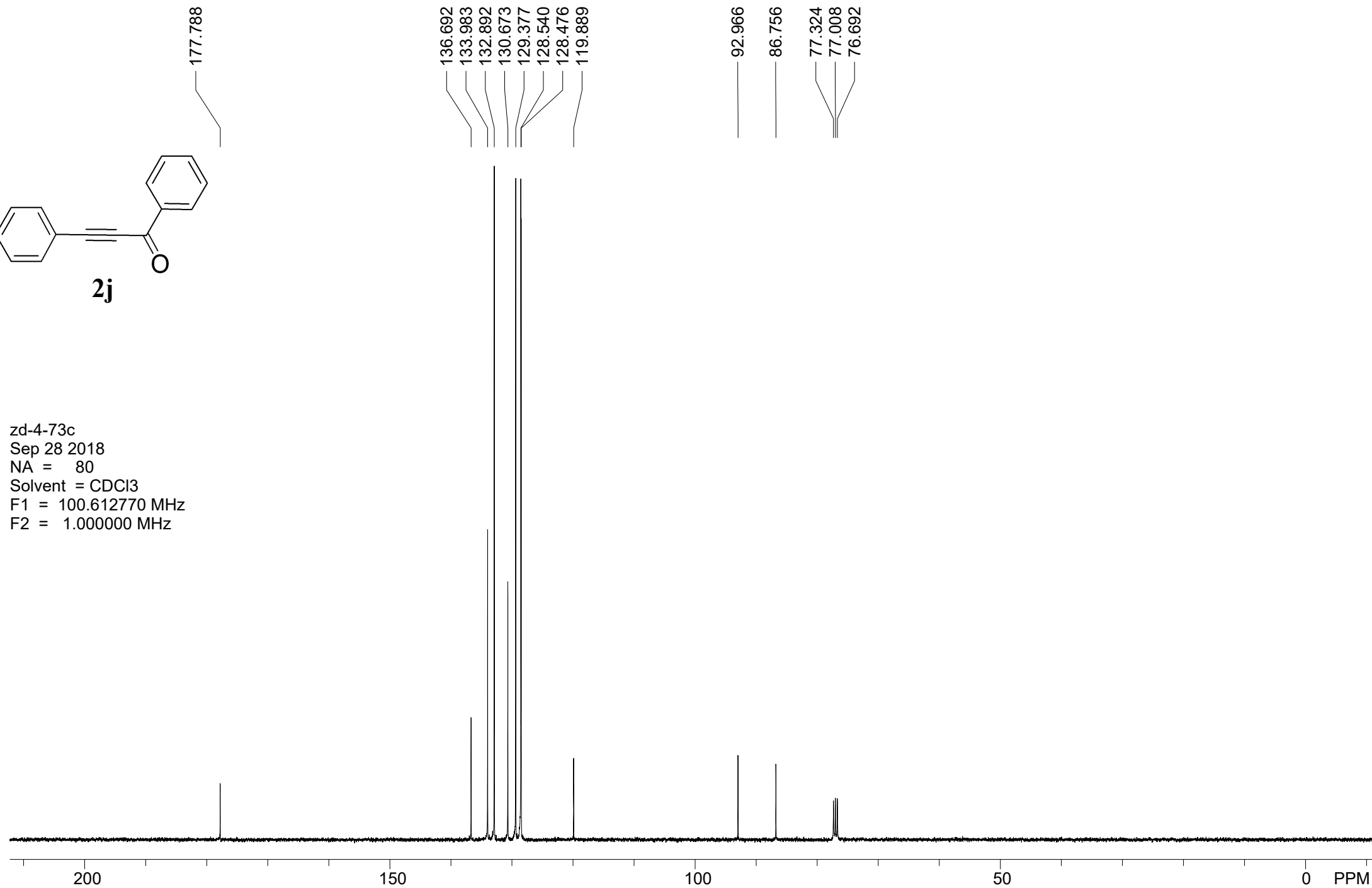
2

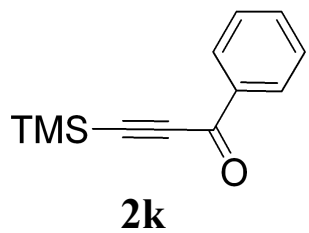
0

PPM

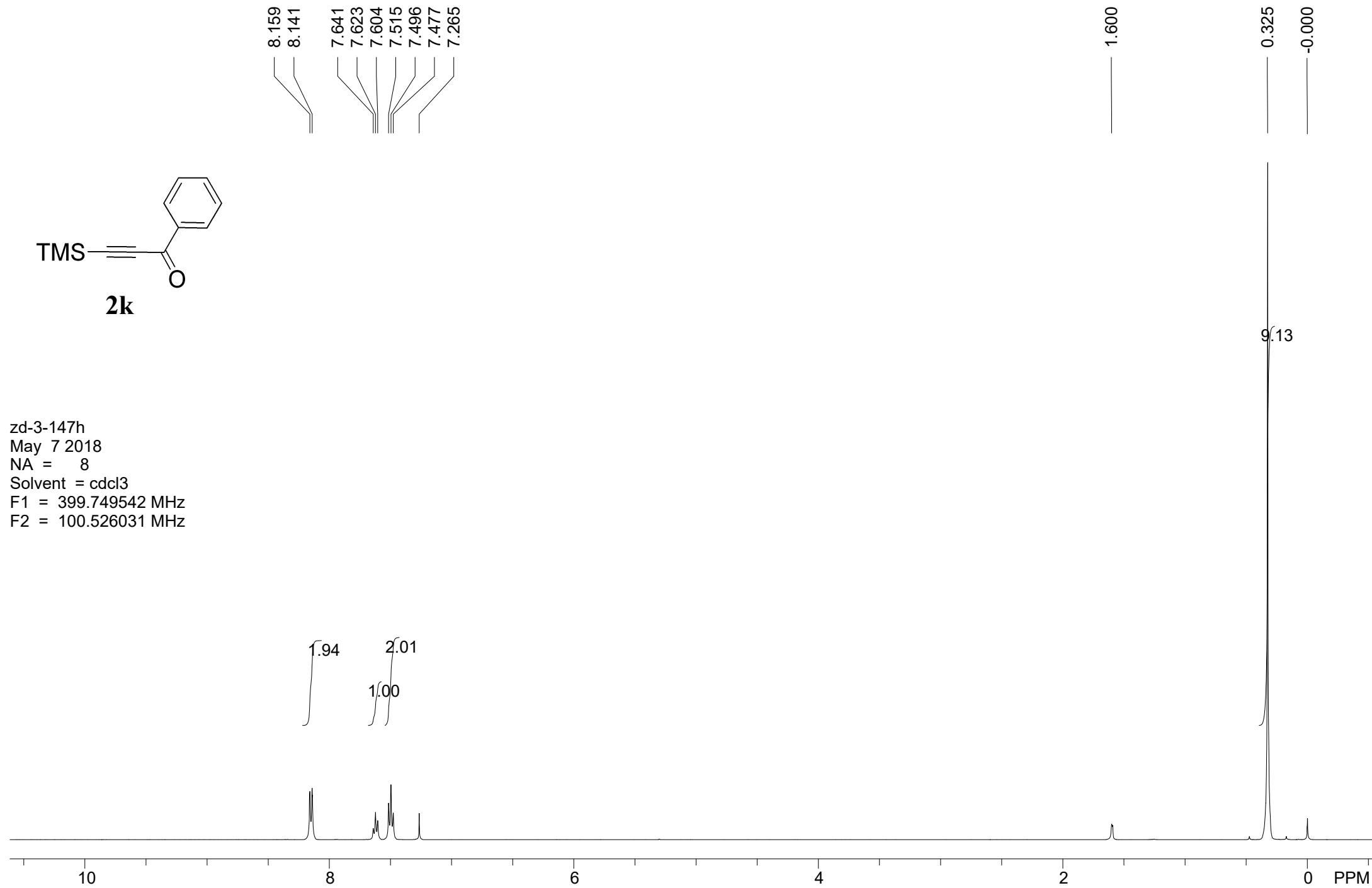


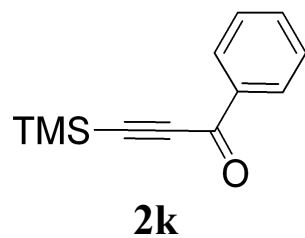
zd-4-73c
Sep 28 2018
NA = 80
Solvent = CDCl₃
F1 = 100.612770 MHz
F2 = 1.000000 MHz



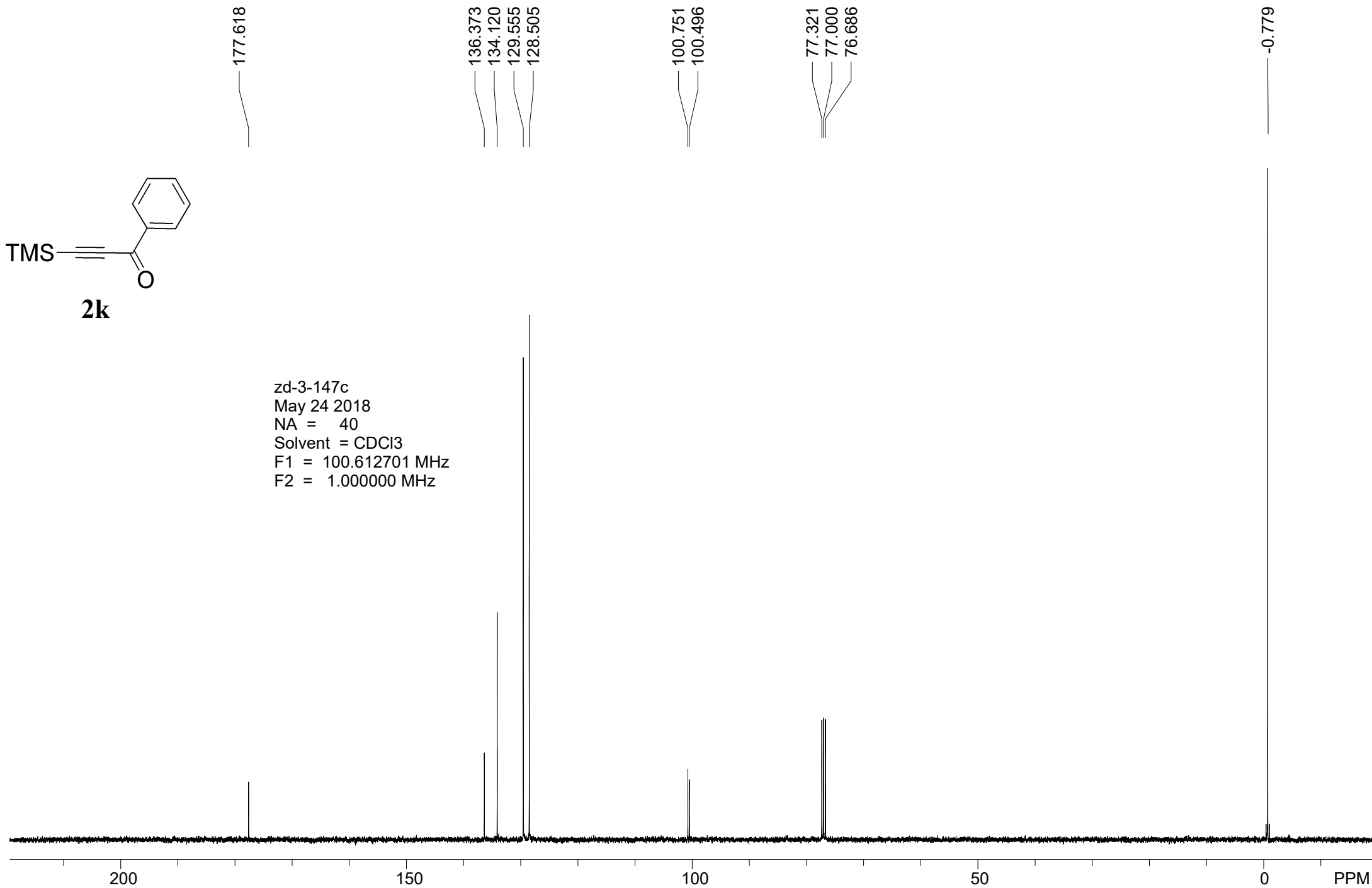


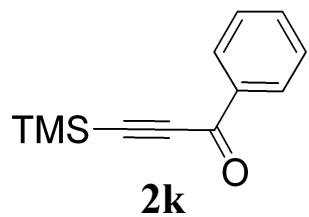
zd-3-147h
 May 7 2018
 NA = 8
 Solvent = cdcl3
 F1 = 399.749542 MHz
 F2 = 100.526031 MHz





zd-3-147c
May 24 2018
NA = 40
Solvent = CDCl₃
F1 = 100.612701 MHz
F2 = 1.000000 MHz





8.156
 8.139
 8.136
 7.637
 7.618
 7.599
 7.511
 7.492
 7.473
 7.262

1.553

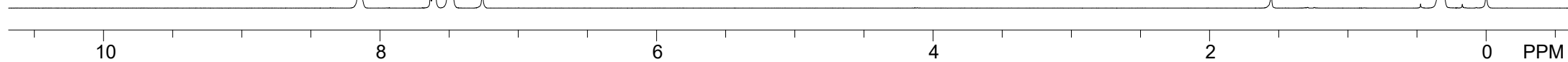
0.325

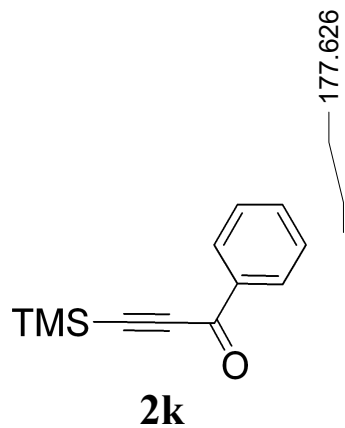
-0.000

zd-3-80h
 Mar 28 2018
 NA = 8
 Solvent = cdcl3
 F1 = 399.749542 MHz
 F2 = 100.526031 MHz

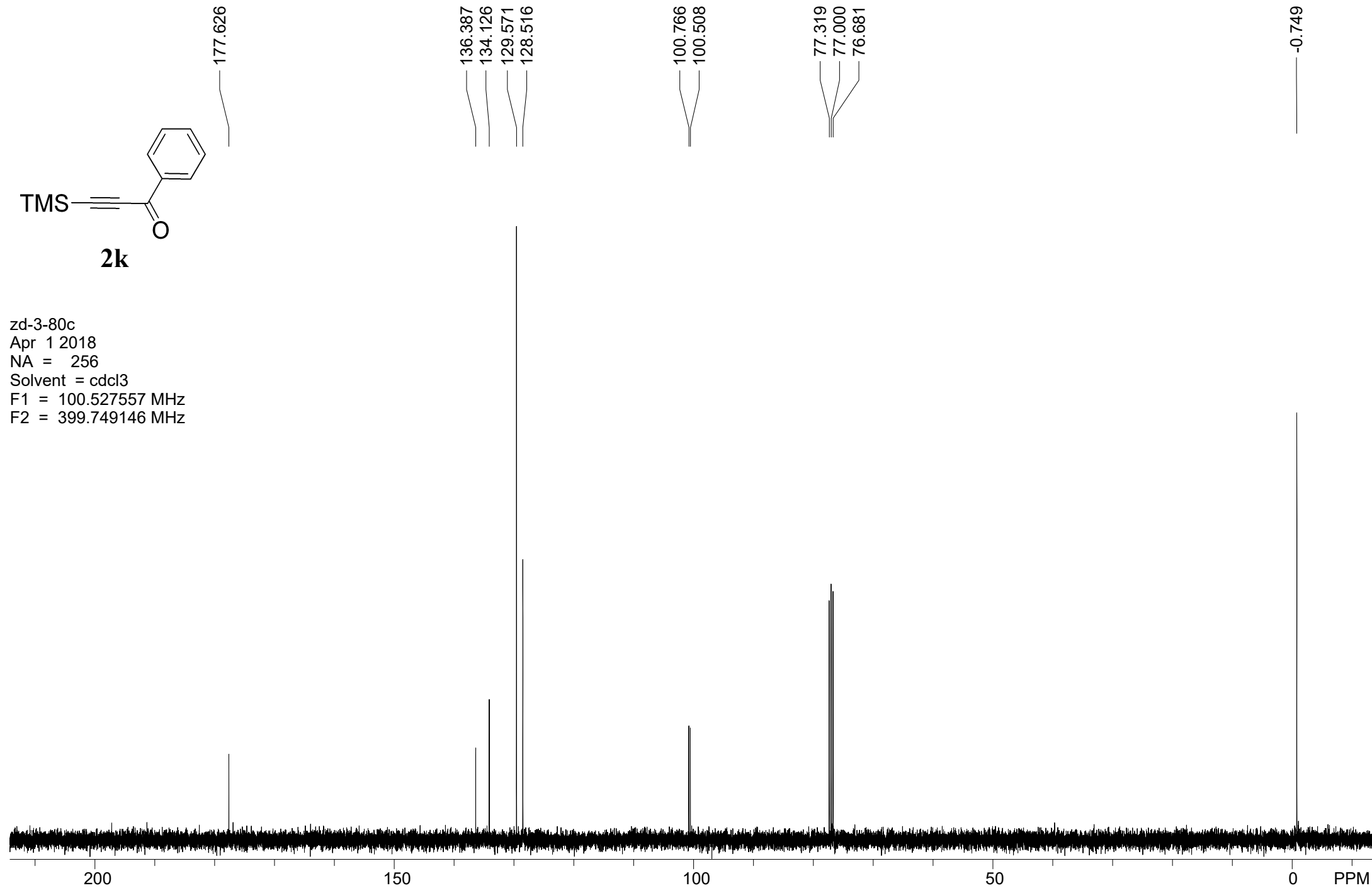
2.00
 2.06
 1.03

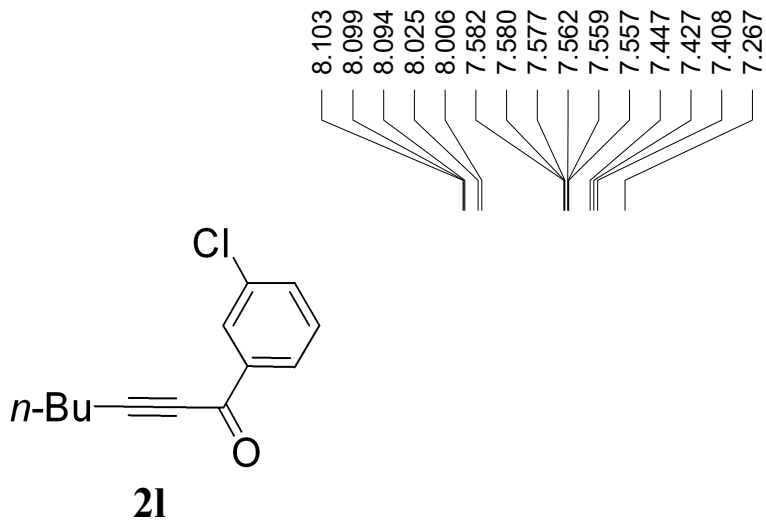
9/25



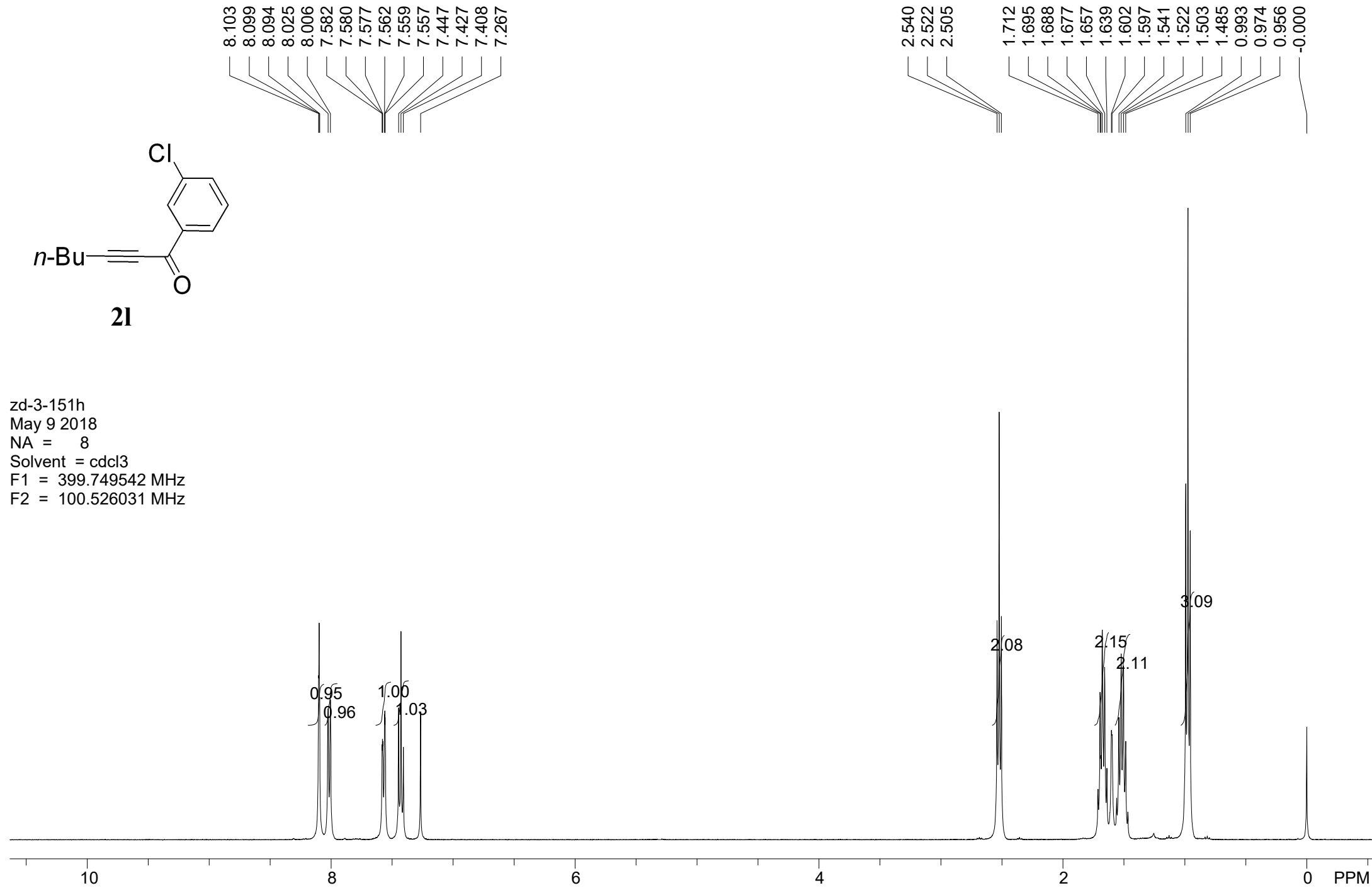


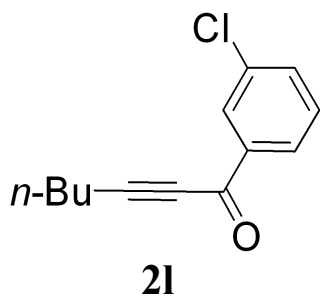
zd-3-80c
Apr 1 2018
NA = 256
Solvent = cdcl3
F1 = 100.527557 MHz
F2 = 399.749146 MHz



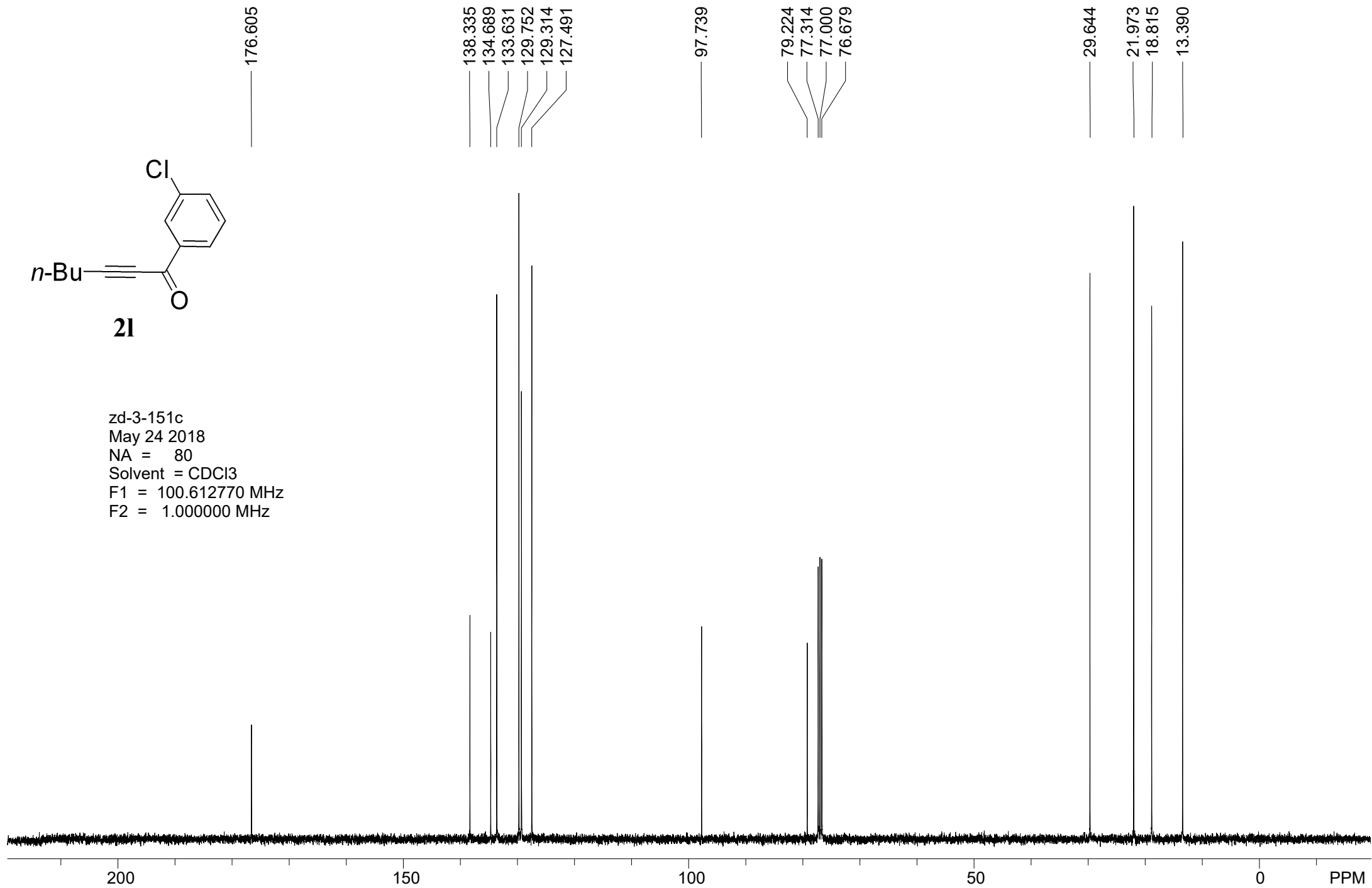


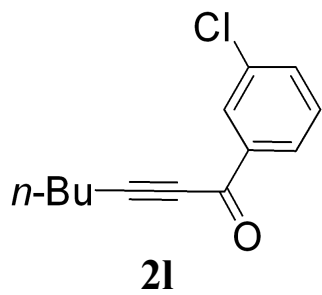
zd-3-151h
 May 9 2018
 NA = 8
 Solvent = cdcl3
 F1 = 399.749542 MHz
 F2 = 100.526031 MHz



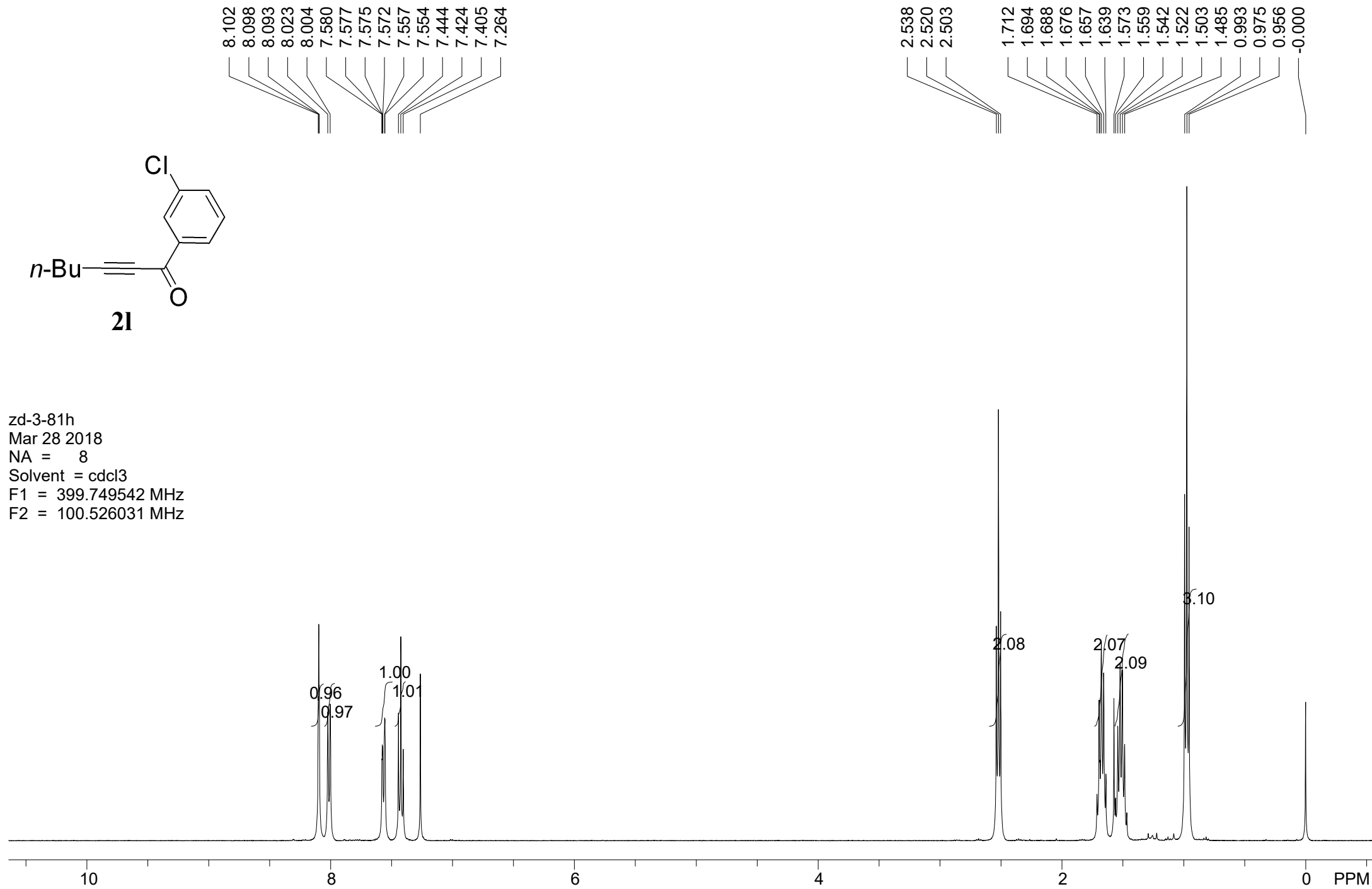


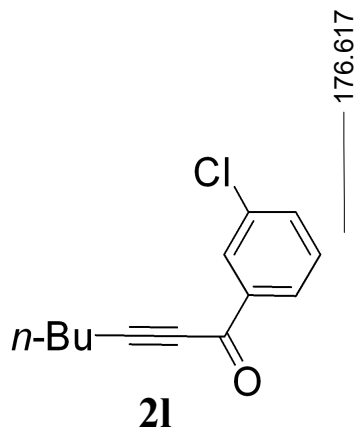
zd-3-151c
 May 24 2018
 NA = 80
 Solvent = CDCl₃
 F1 = 100.612770 MHz
 F2 = 1.000000 MHz



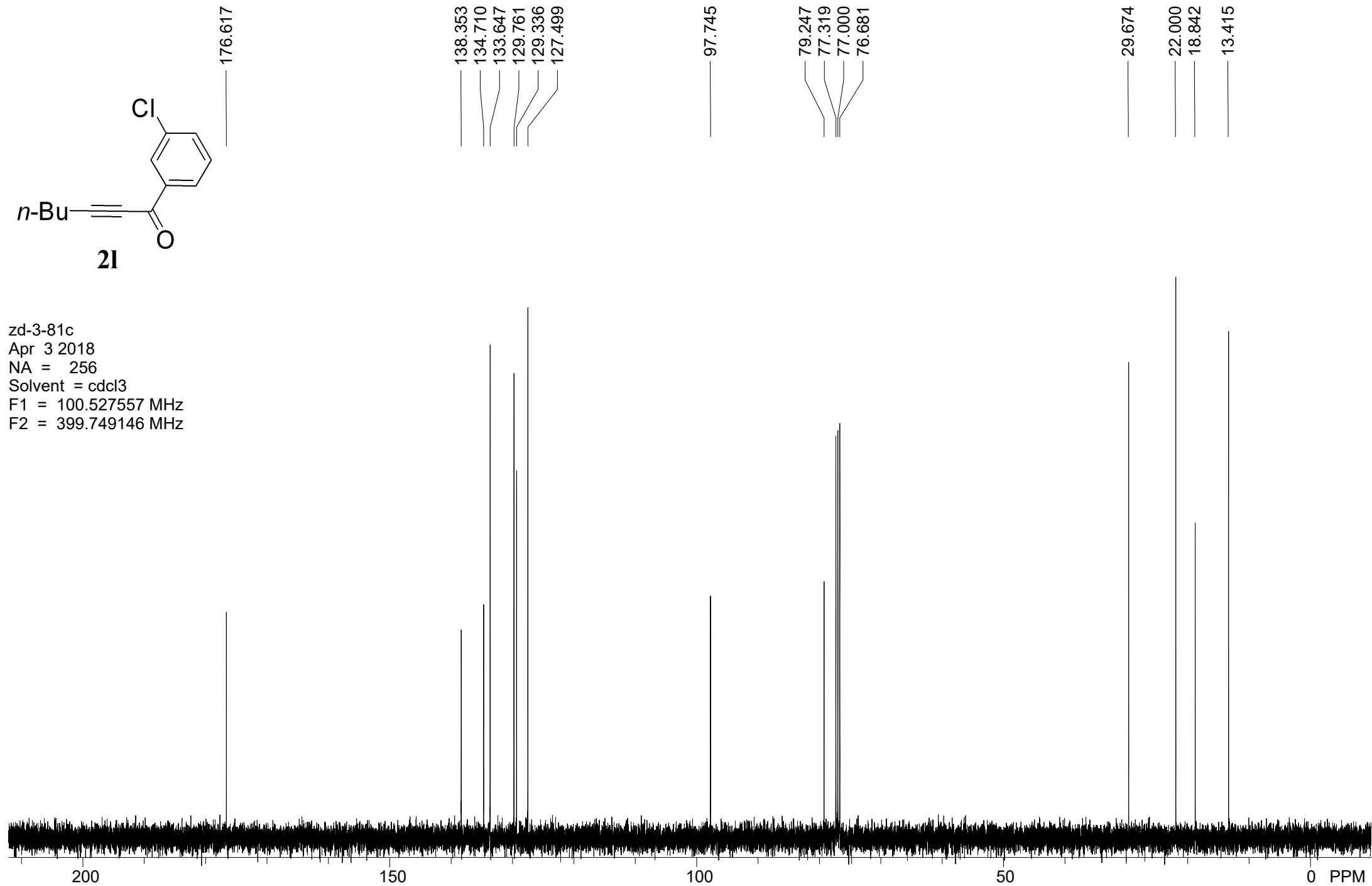


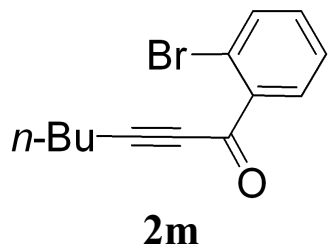
zd-3-81h
 Mar 28 2018
 NA = 8
 Solvent = cdcl3
 F1 = 399.749542 MHz
 F2 = 100.526031 MHz



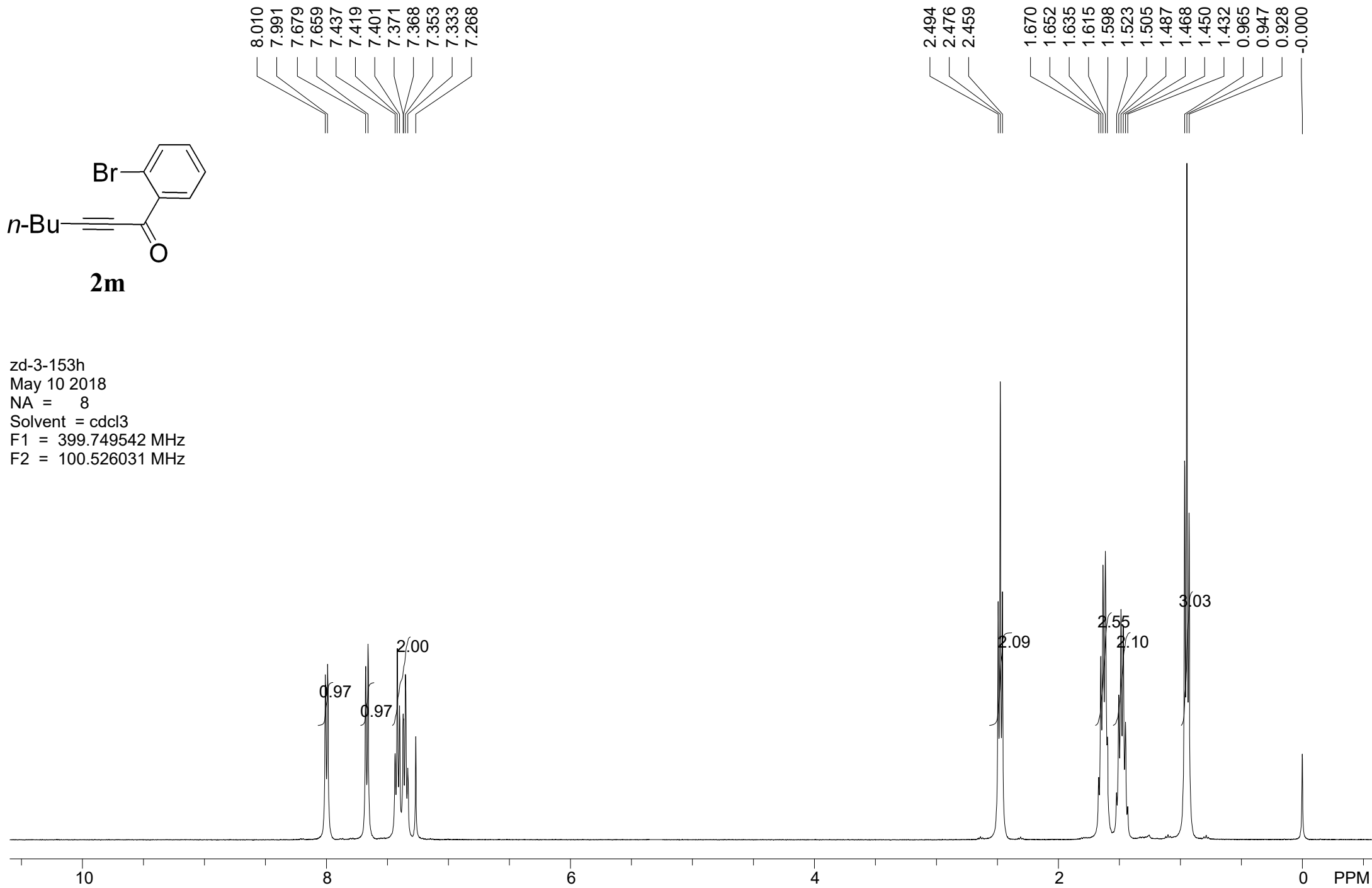


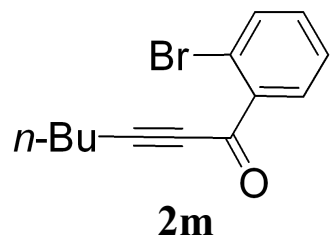
zd-3-81c
 Apr 3 2018
 NA = 256
 Solvent = cdcl3
 F1 = 100.527557 MHz
 F2 = 399.749146 MHz





zd-3-153h
 May 10 2018
 NA = 8
 Solvent = cdcl3
 F1 = 399.749542 MHz
 F2 = 100.526031 MHz





zd-3-153c
May 24 2018
NA = 80
Solvent = CDCl₃
F1 = 100.612770 MHz
F2 = 1.000000 MHz

177.538

137.409

134.754

133.019

132.727

127.156

120.877

97.994

80.617

77.321

77.000

76.686

29.528

21.966

18.896

13.404

200

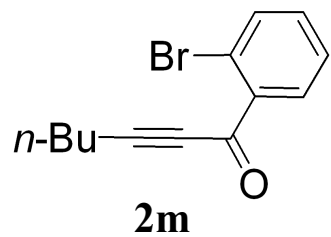
150

100

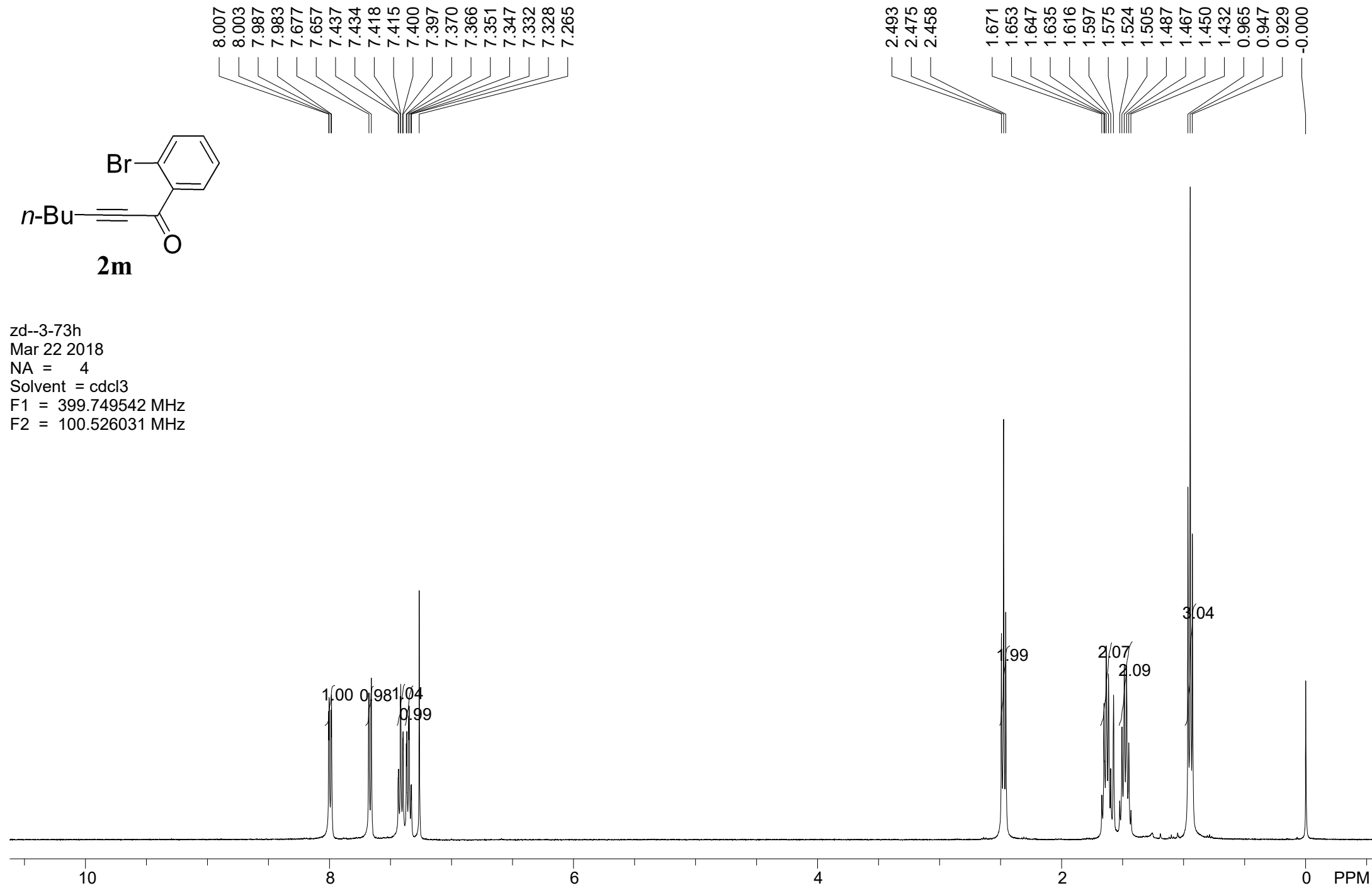
50

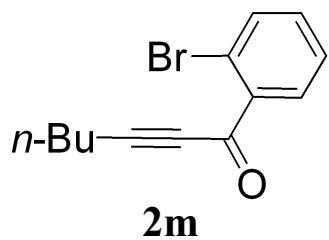
0

PPM

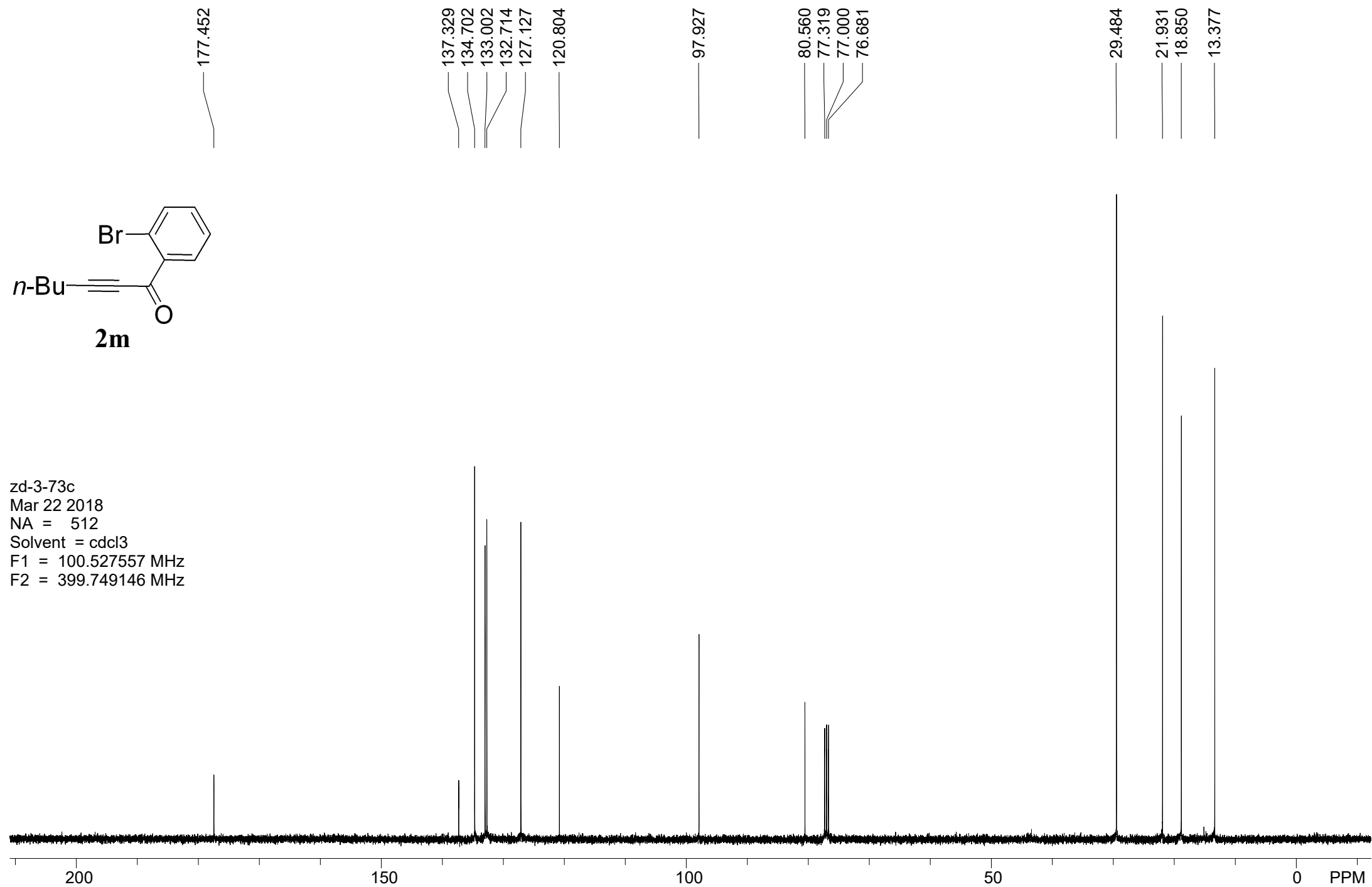


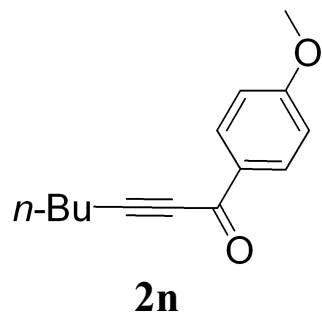
zd--3-73h
 Mar 22 2018
 NA = 4
 Solvent = cdcl3
 F1 = 399.749542 MHz
 F2 = 100.526031 MHz



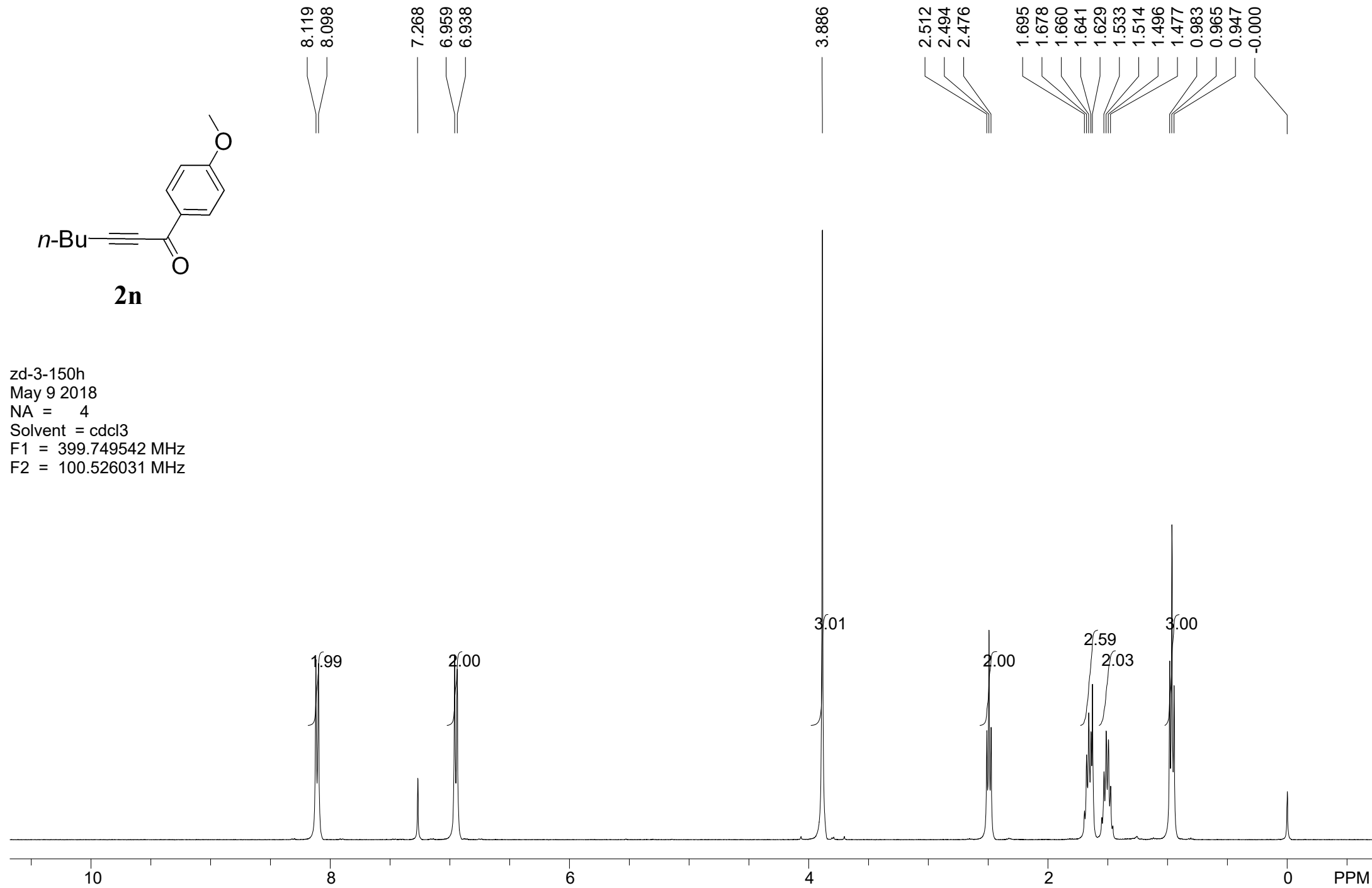


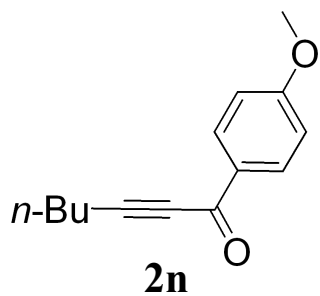
zd-3-73c
 Mar 22 2018
 NA = 512
 Solvent = cdcl3
 F1 = 100.527557 MHz
 F2 = 399.749146 MHz



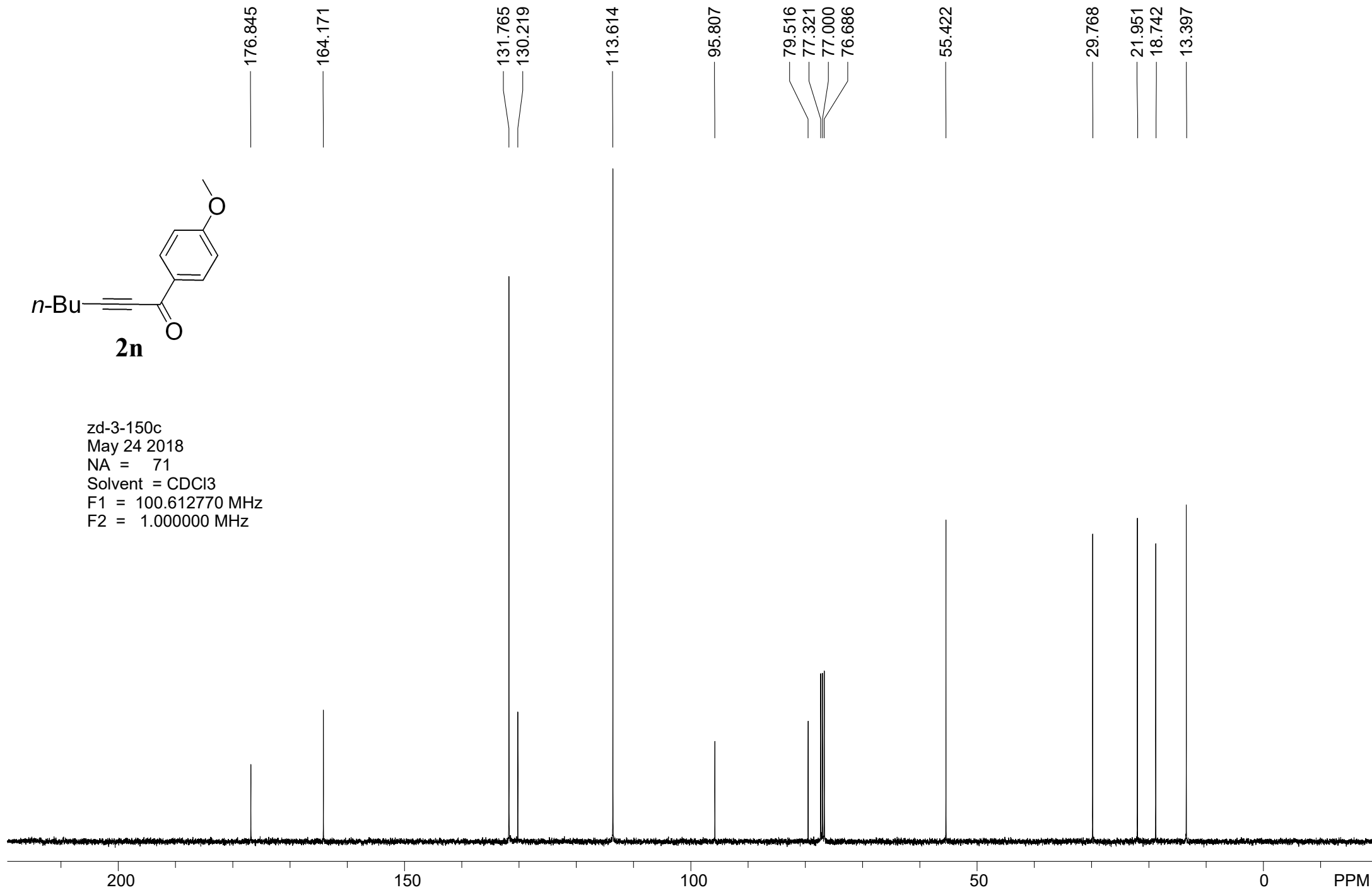


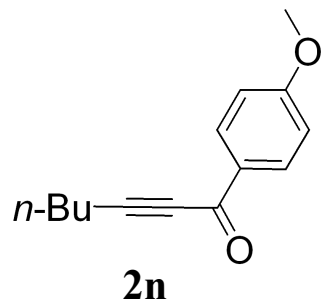
zd-3-150h
 May 9 2018
 NA = 4
 Solvent = cdcl3
 F1 = 399.749542 MHz
 F2 = 100.526031 MHz



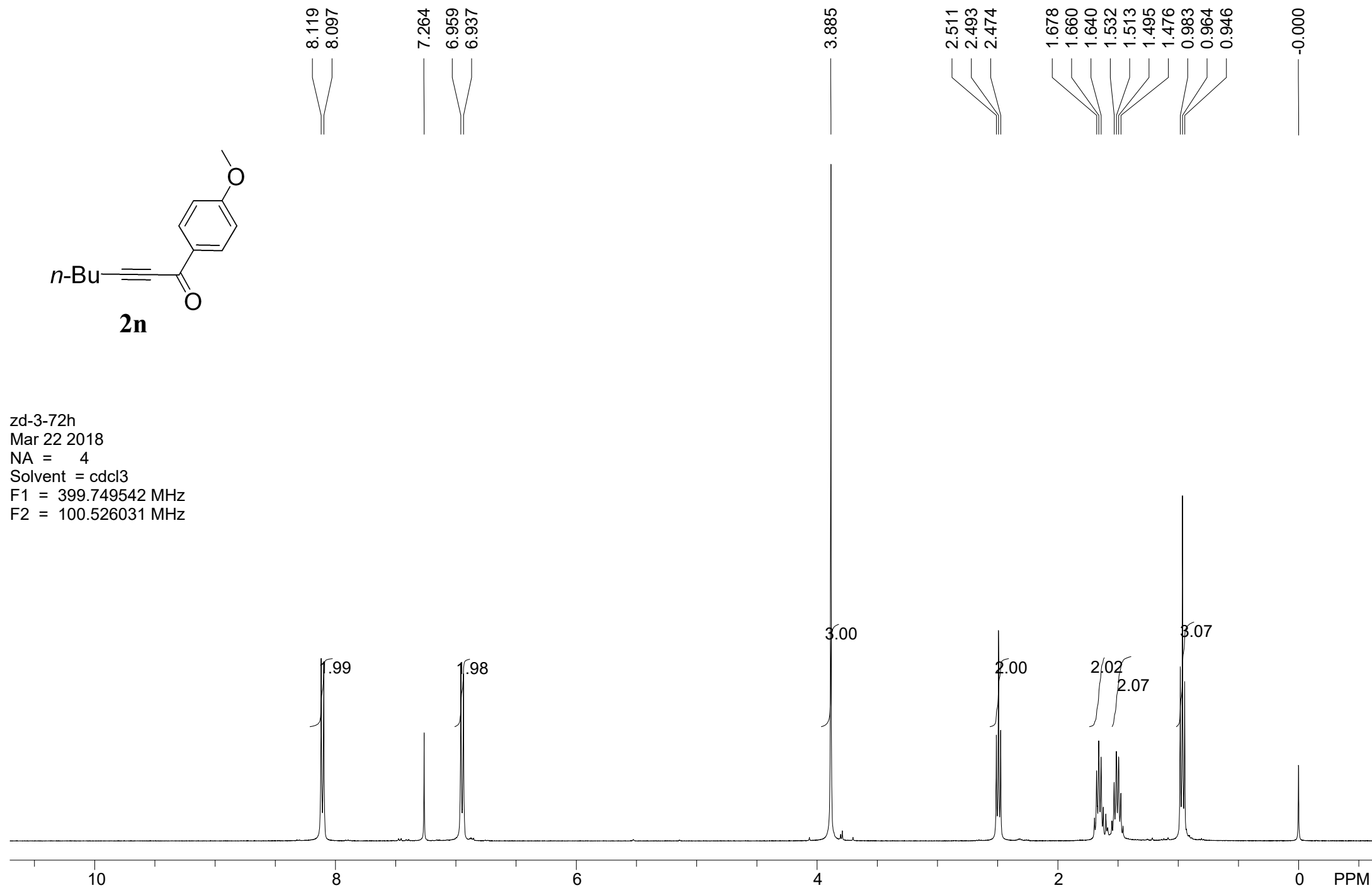


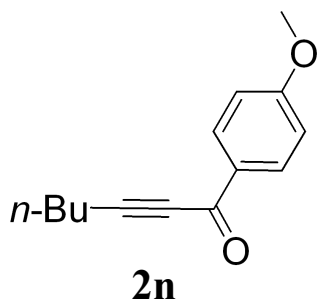
zd-3-150c
 May 24 2018
 NA = 71
 Solvent = CDCl₃
 F1 = 100.612770 MHz
 F2 = 1.000000 MHz



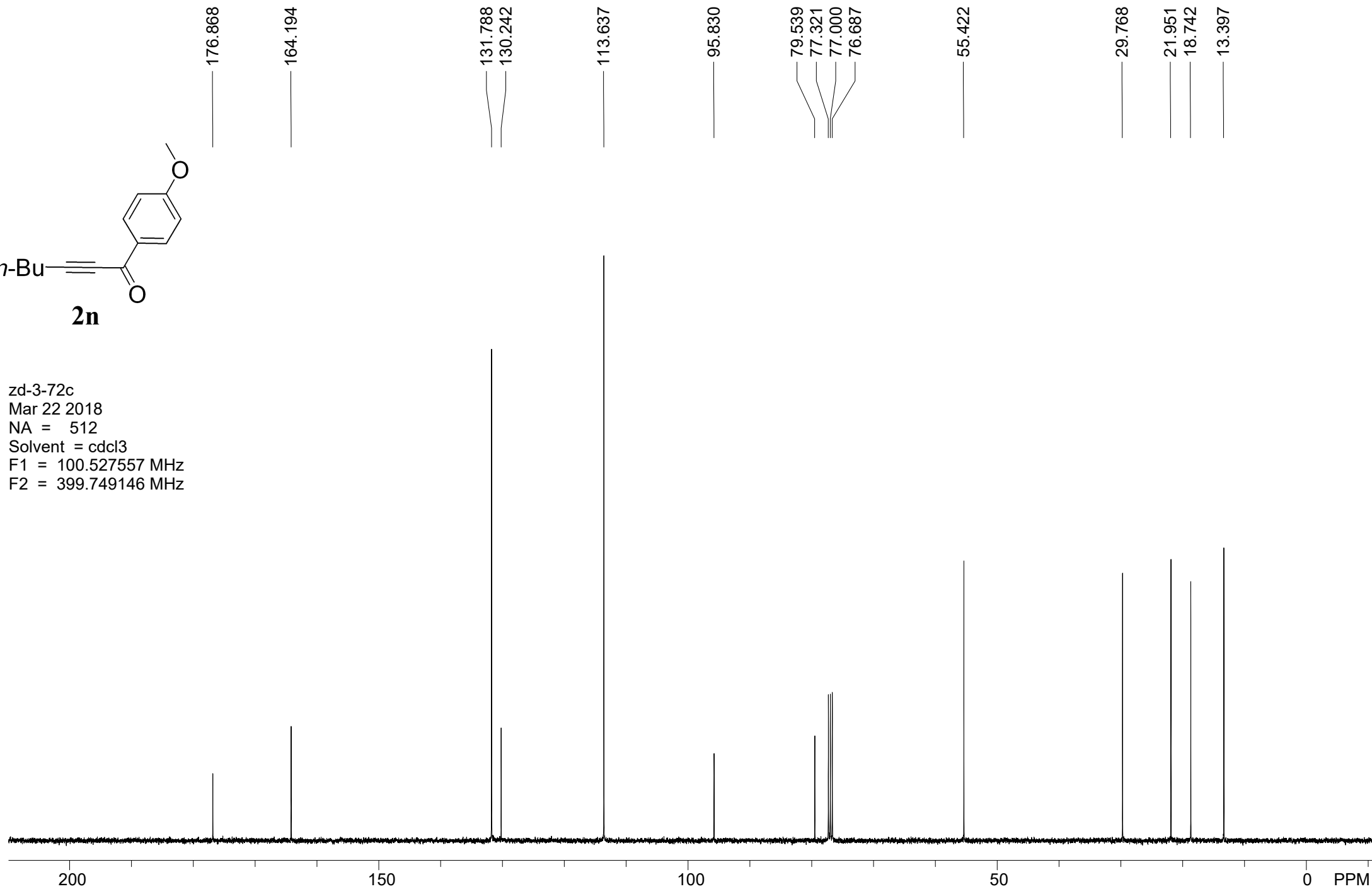


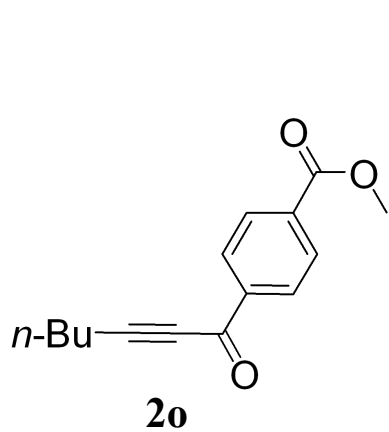
zd-3-72h
 Mar 22 2018
 NA = 4
 Solvent = cdcl3
 F1 = 399.749542 MHz
 F2 = 100.526031 MHz



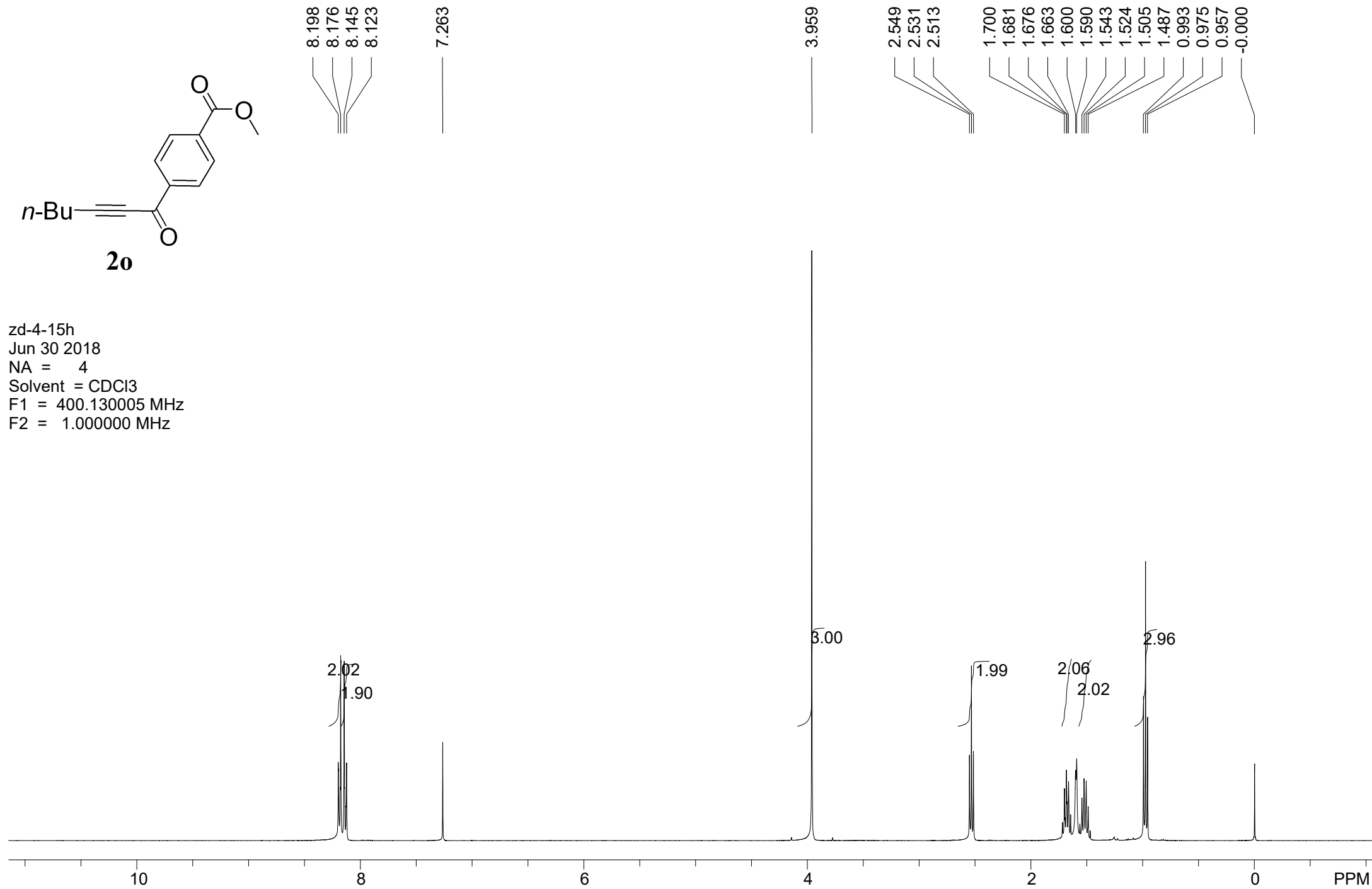


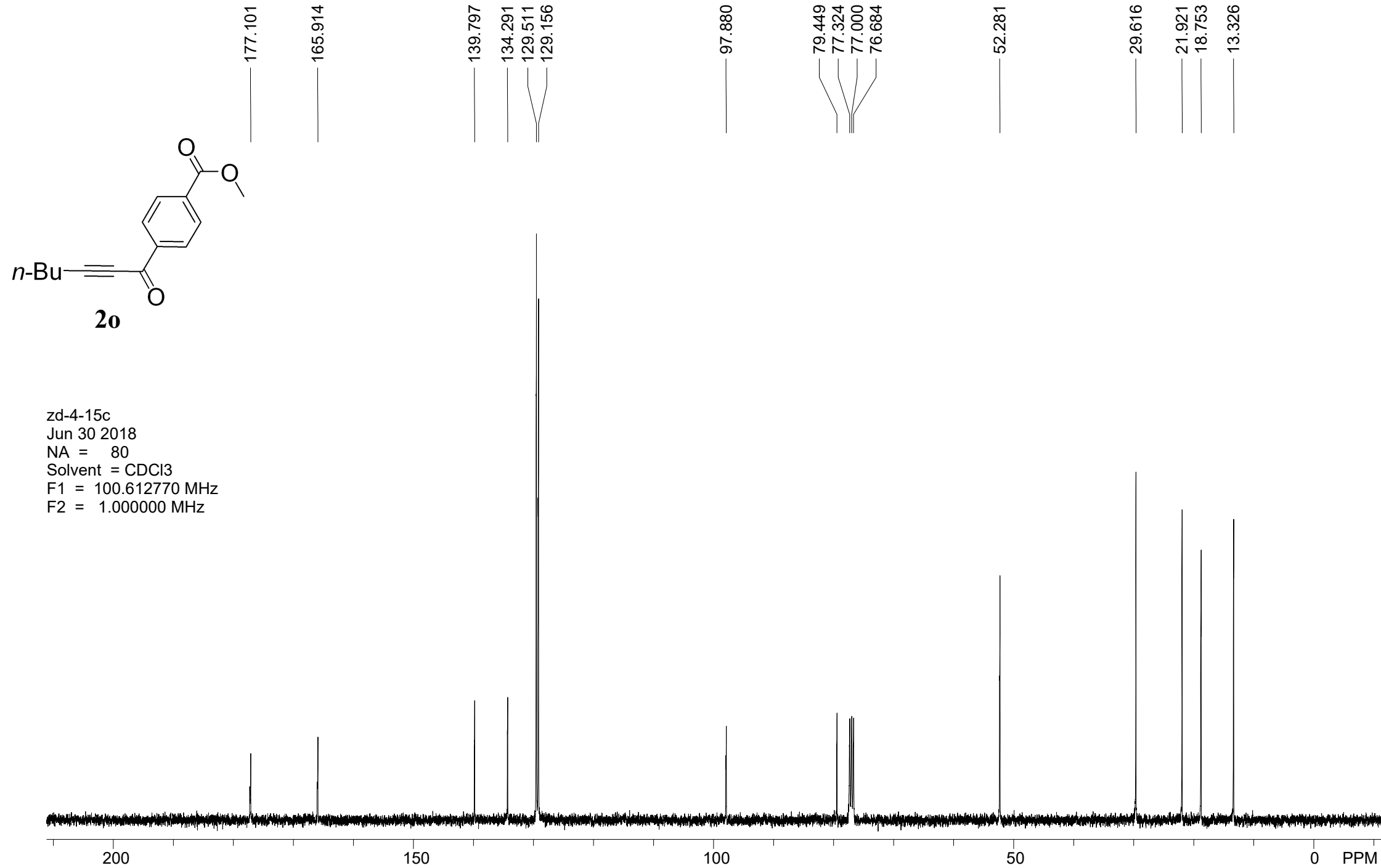
zd-3-72c
 Mar 22 2018
 NA = 512
 Solvent = cdcl3
 F1 = 100.527557 MHz
 F2 = 399.749146 MHz

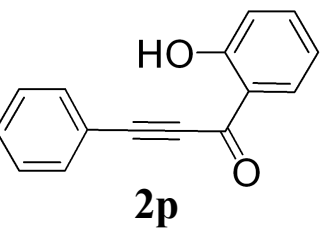




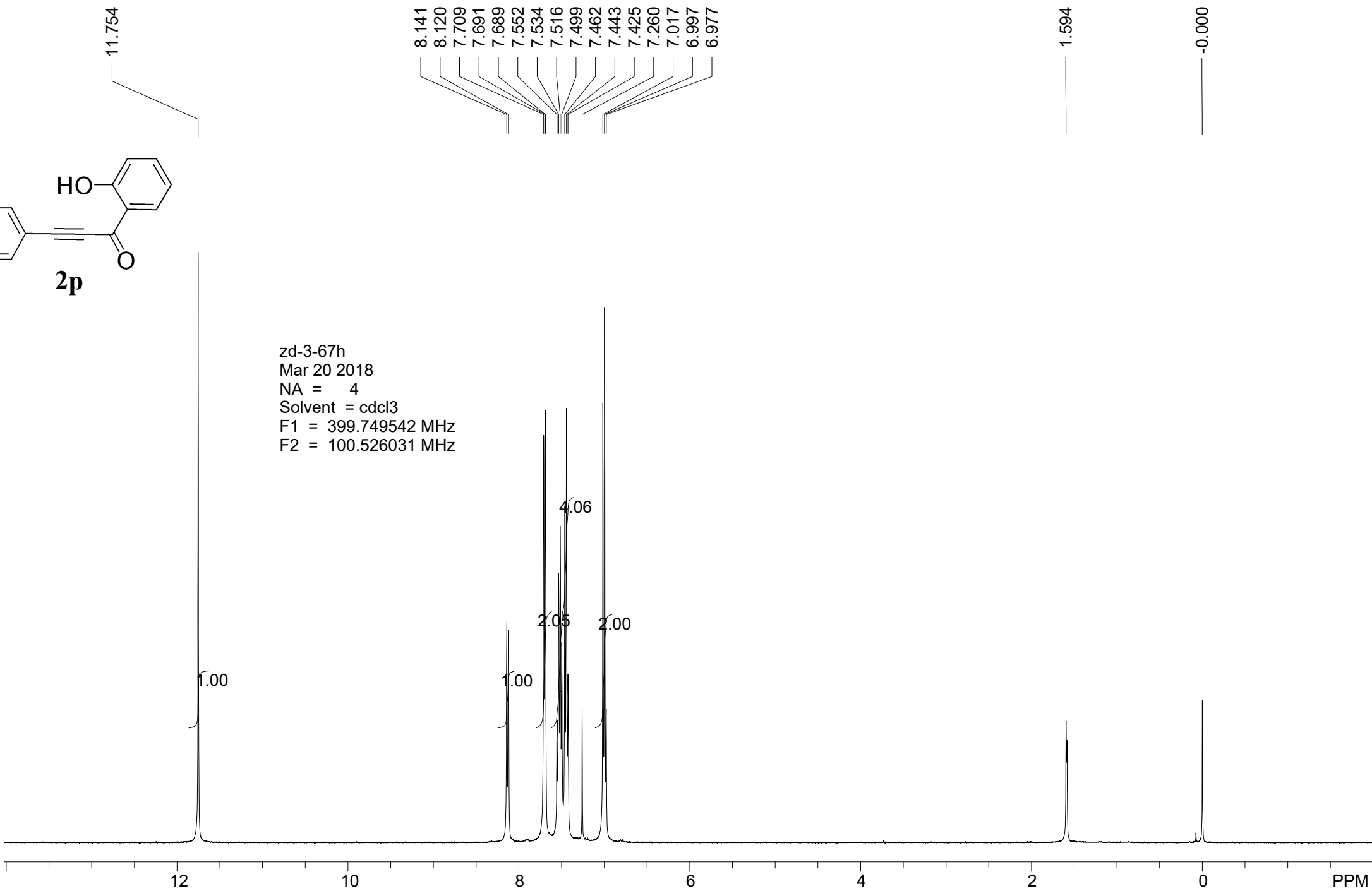
zd-4-15h
 Jun 30 2018
 NA = 4
 Solvent = CDCl₃
 F1 = 400.130005 MHz
 F2 = 1.000000 MHz

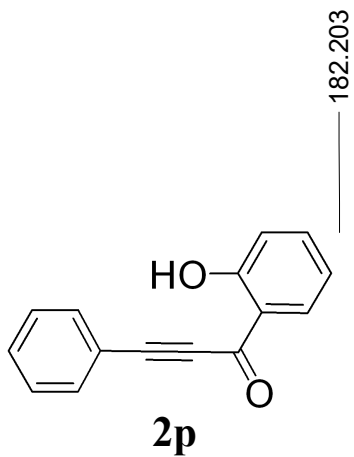




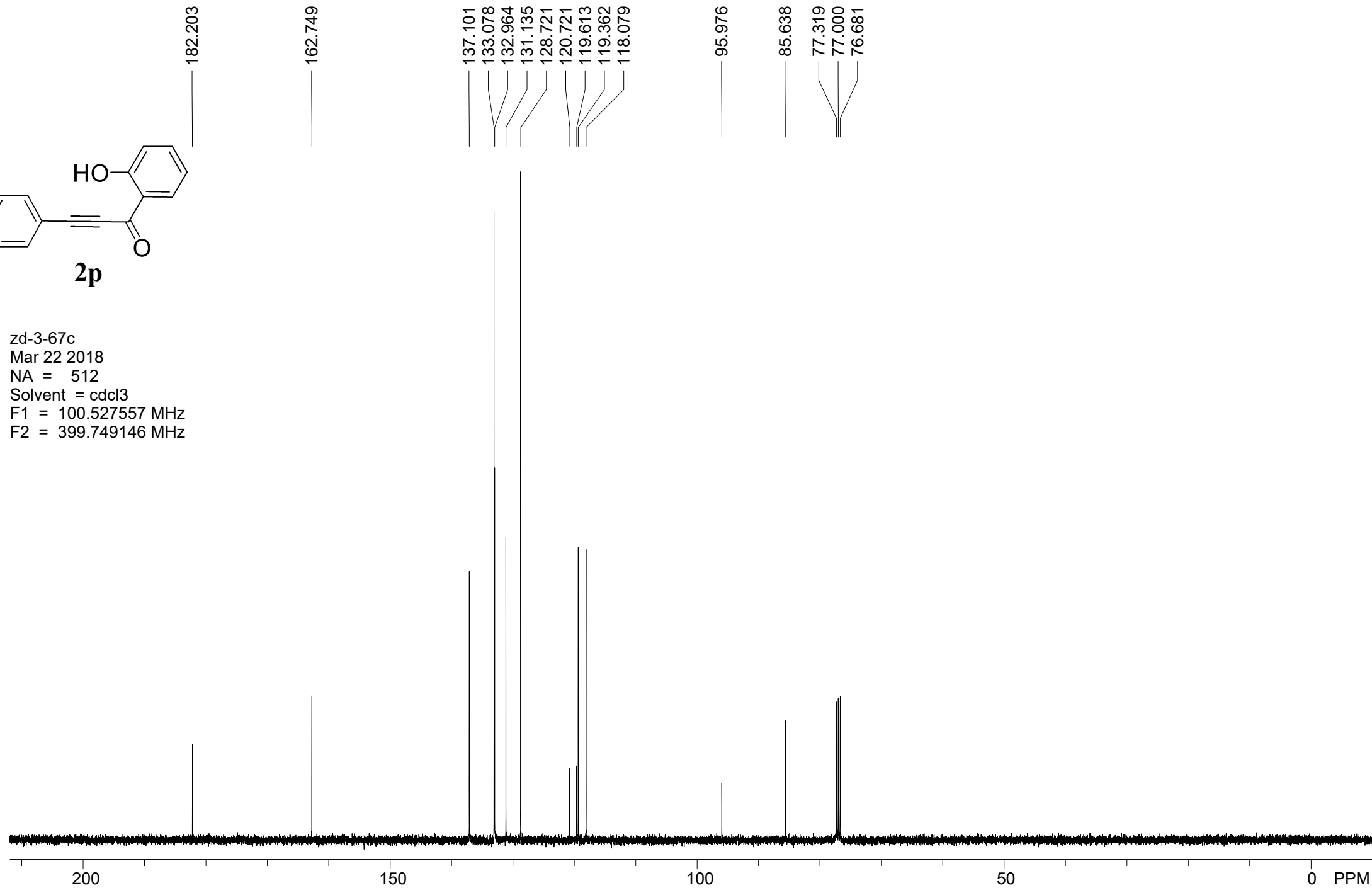


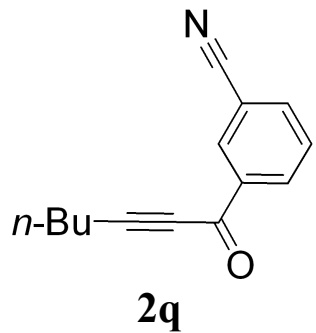
zd-3-67h
 Mar 20 2018
 NA = 4
 Solvent = cdcl3
 F1 = 399.749542 MHz
 F2 = 100.526031 MHz





zd-3-67c
Mar 22 2018
NA = 512
Solvent = cdcl3
F1 = 100.527557 MHz
F2 = 399.749146 MHz

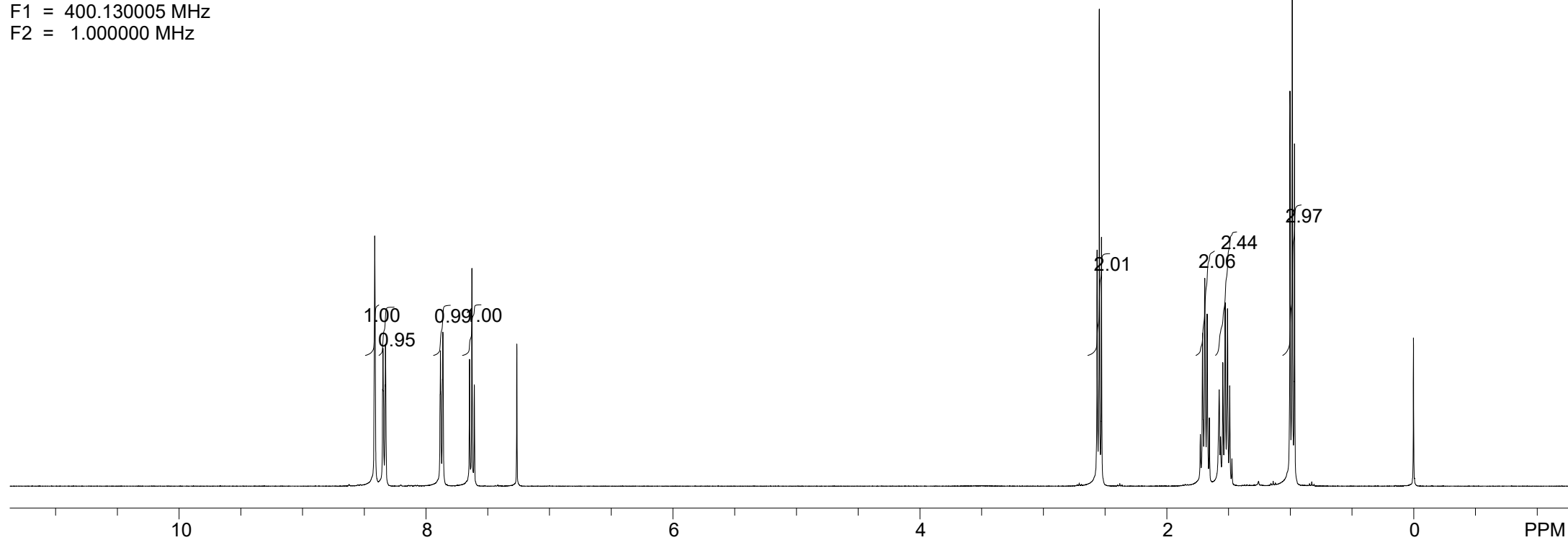


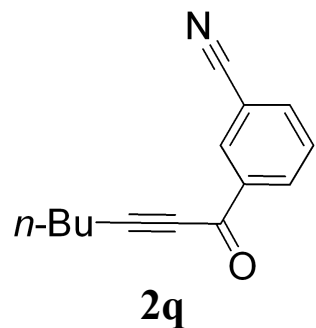


8.416
 8.352
 8.349
 8.332
 8.329
 7.883
 7.864
 7.648
 7.629
 7.609
 7.265

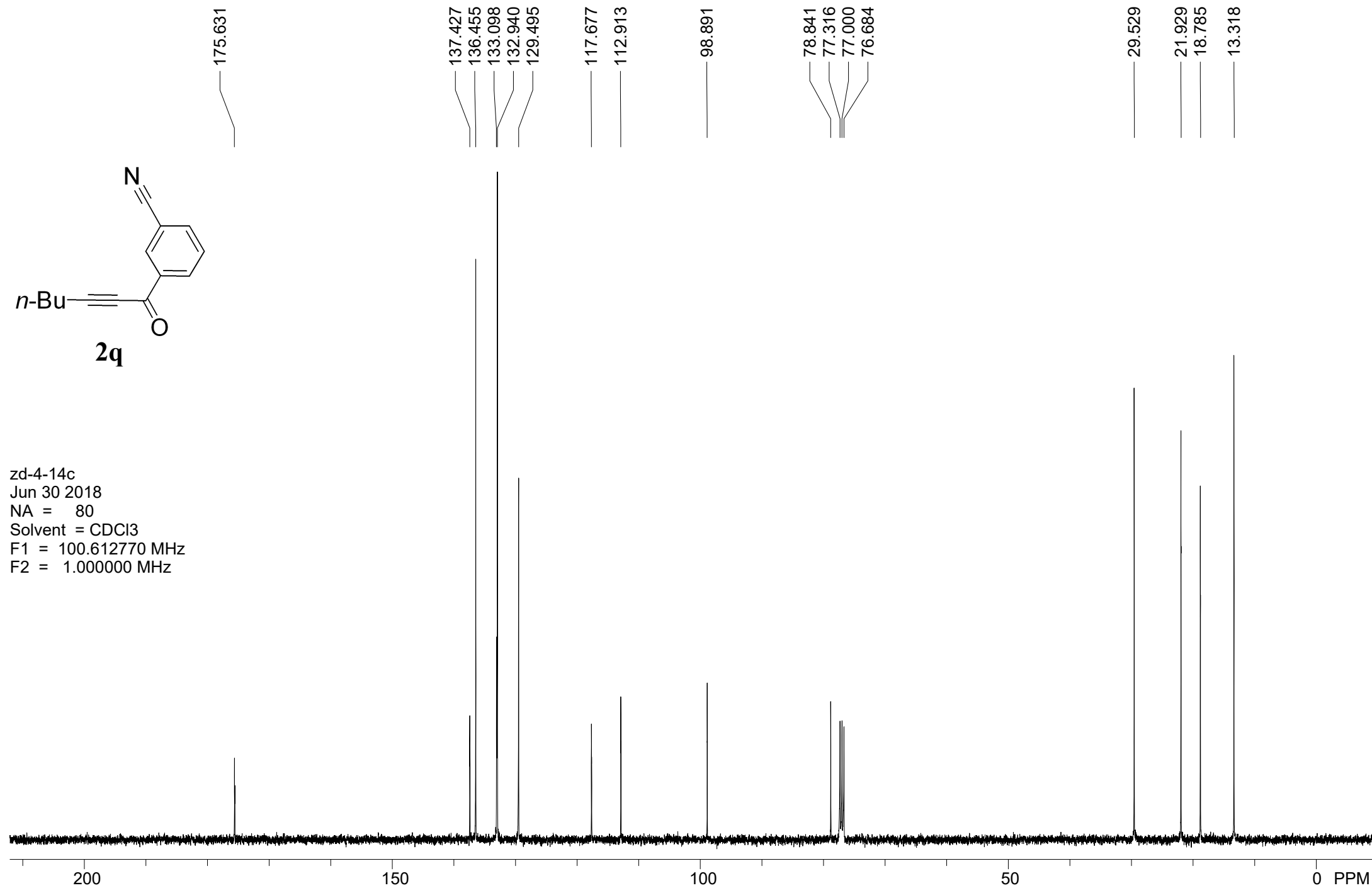
2.563
 2.545
 2.528
 1.709
 1.704
 1.691
 1.672
 1.654
 1.574
 1.545
 1.526
 1.507
 1.489
 1.000
 0.982
 0.964
 -0.000

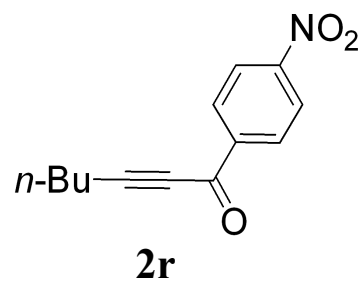
zd-4-14h
 Jun 30 2018
 NA = 4
 Solvent = CDCl₃
 F1 = 400.130005 MHz
 F2 = 1.000000 MHz



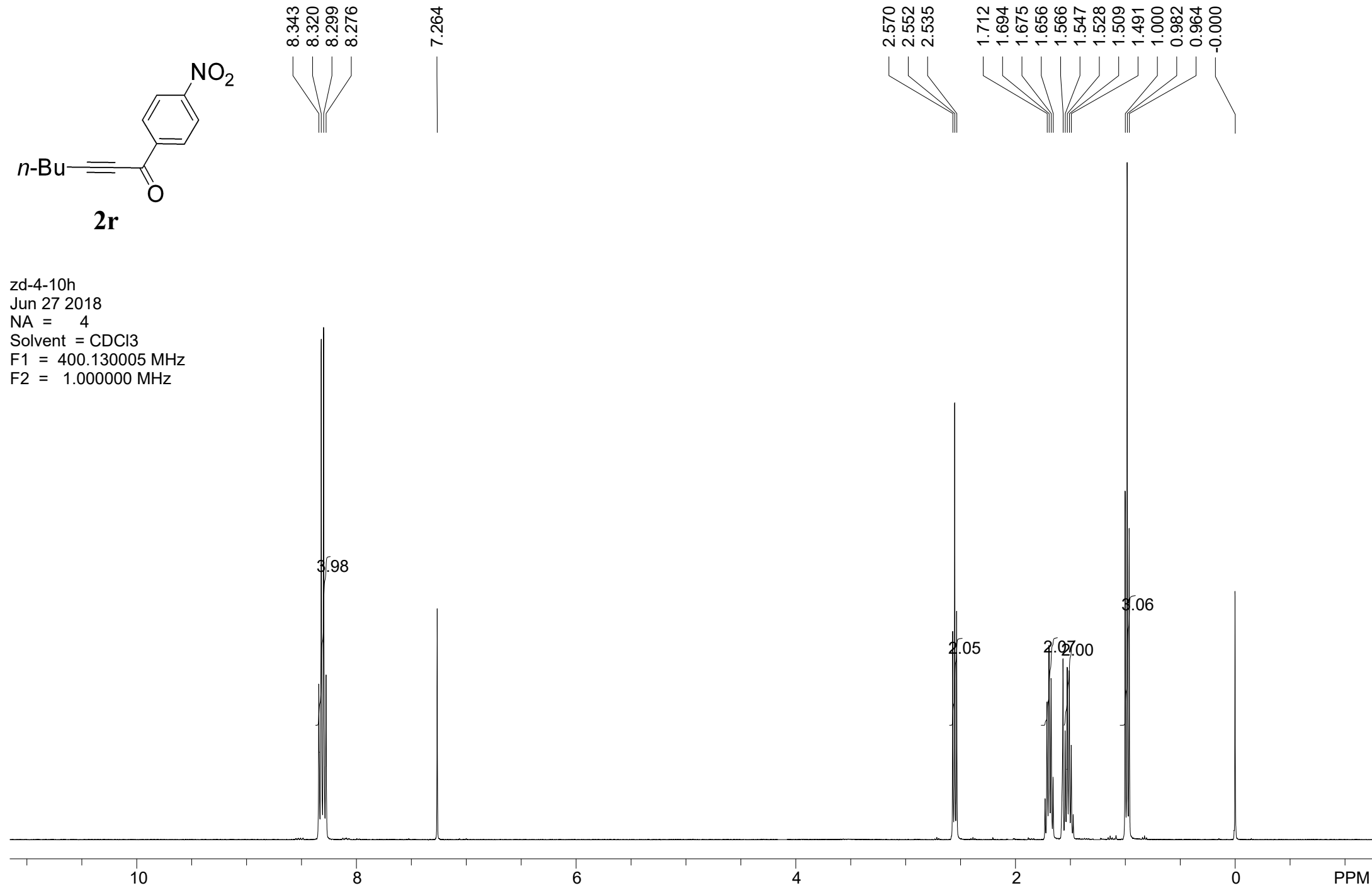


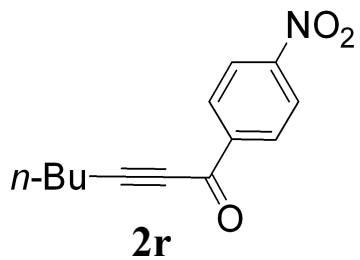
zd-4-14c
 Jun 30 2018
 NA = 80
 Solvent = CDCl₃
 F1 = 100.612770 MHz
 F2 = 1.000000 MHz



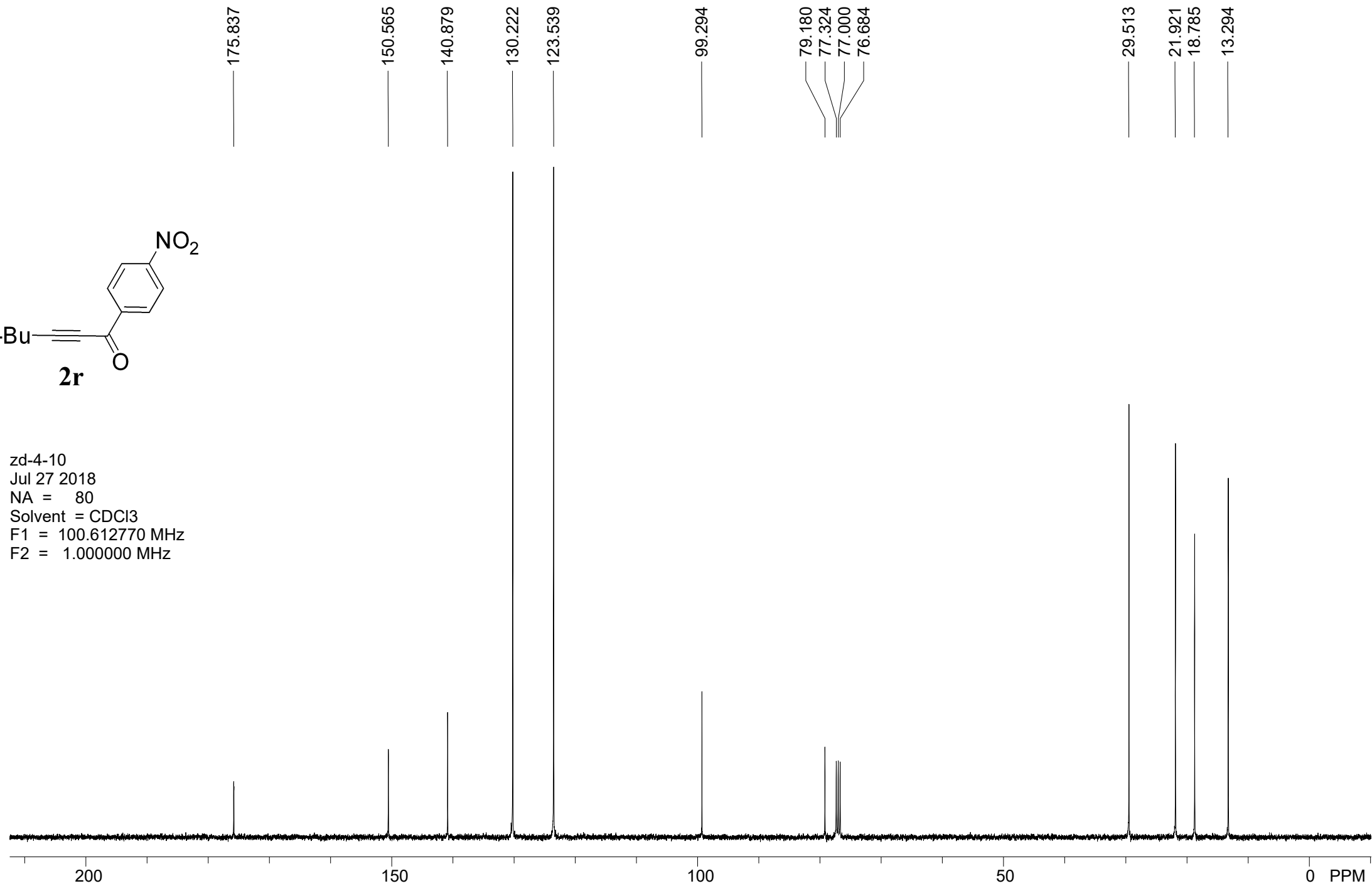


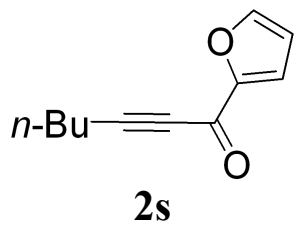
zd-4-10h
 Jun 27 2018
 NA = 4
 Solvent = CDCl₃
 F1 = 400.130005 MHz
 F2 = 1.000000 MHz



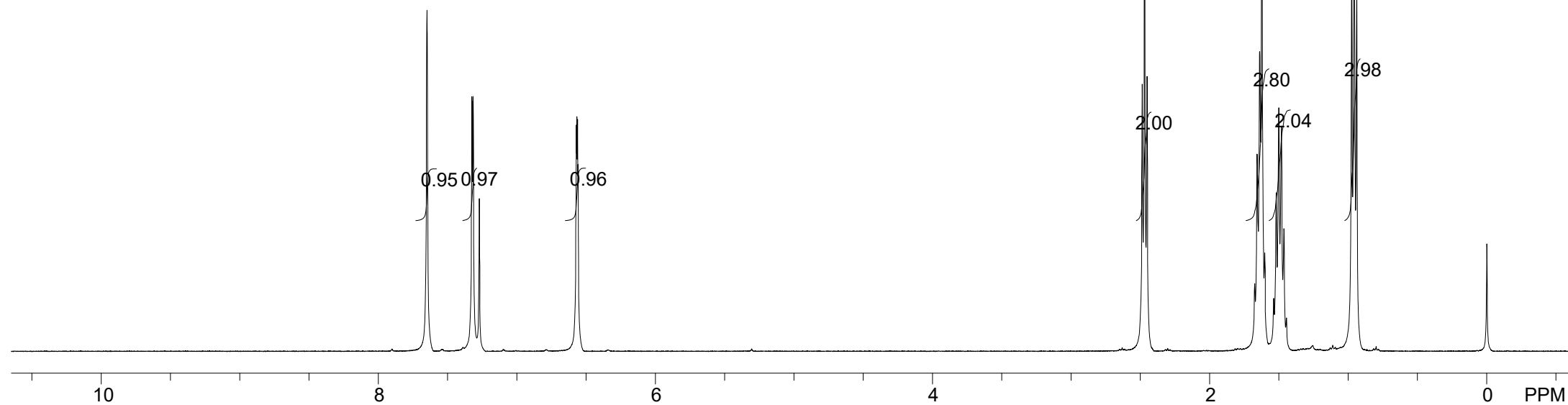


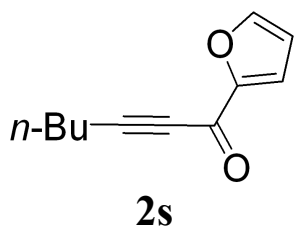
zd-4-10
Jul 27 2018
NA = 80
Solvent = CDCl₃
F1 = 100.612770 MHz
F2 = 1.000000 MHz



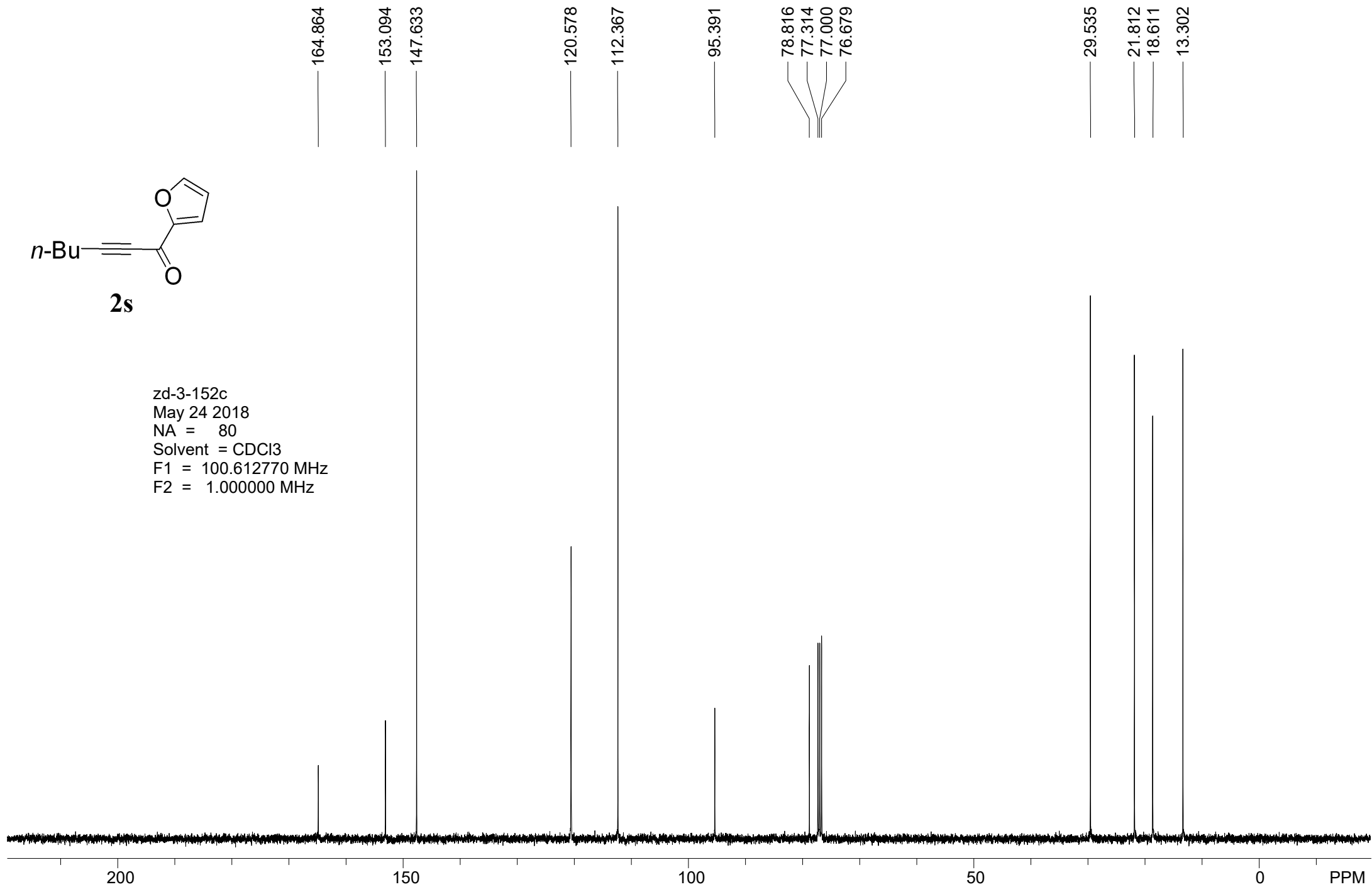


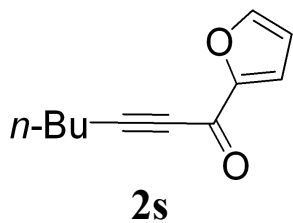
zd-3-152h
 May 10 2018
 NA = 8
 Solvent = cdcl3
 F1 = 399.749542 MHz
 F2 = 100.526031 MHz



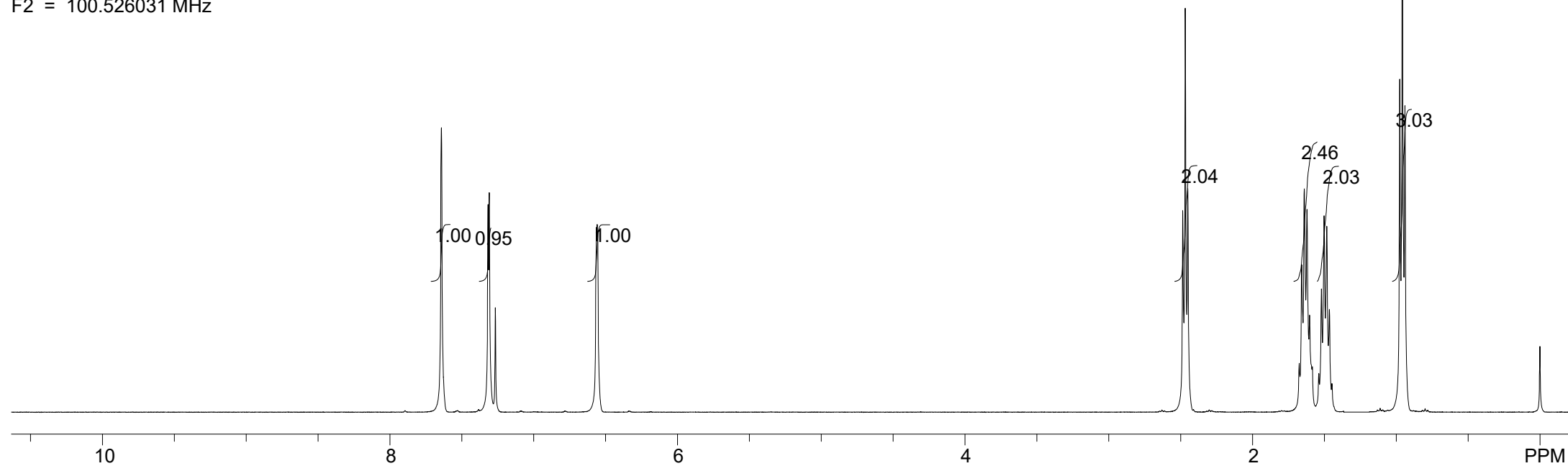


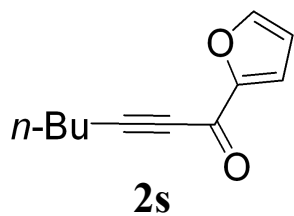
zd-3-152c
 May 24 2018
 NA = 80
 Solvent = CDCl₃
 F1 = 100.612770 MHz
 F2 = 1.000000 MHz



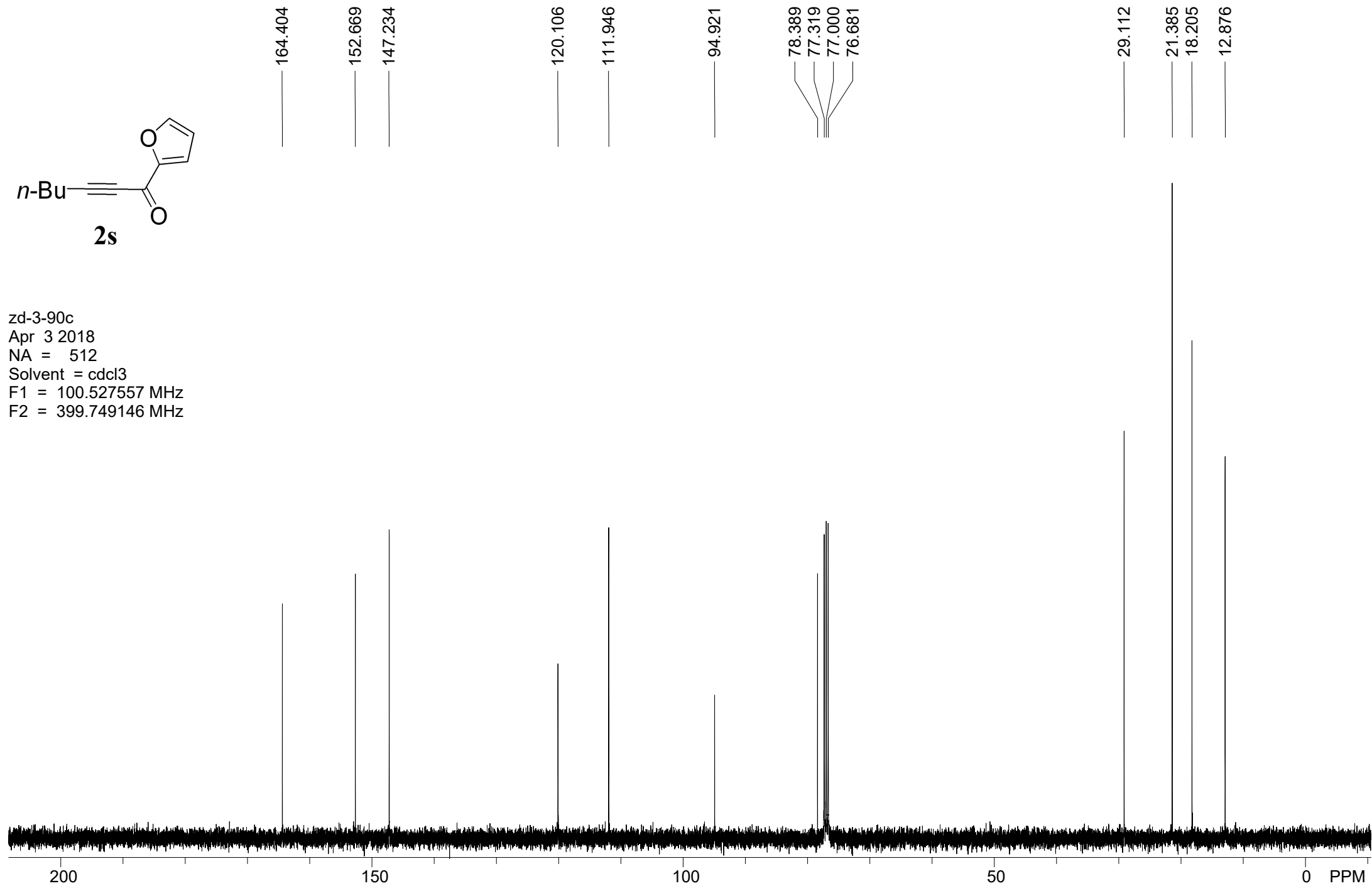


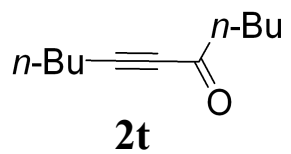
zd-3-90h
 Apr 3 2018
 NA = 8
 Solvent = cdcl3
 F1 = 399.749542 MHz
 F2 = 100.526031 MHz



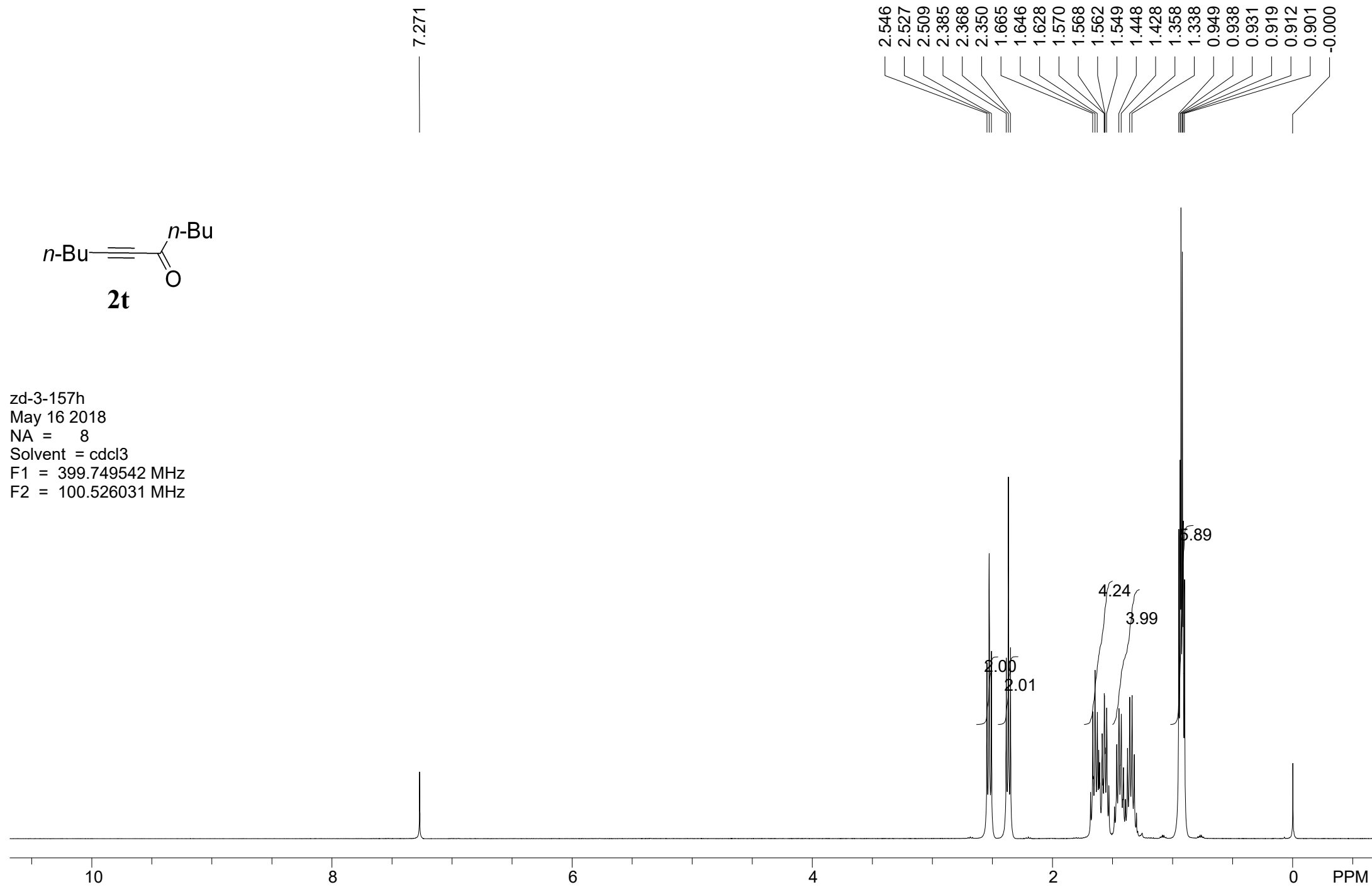


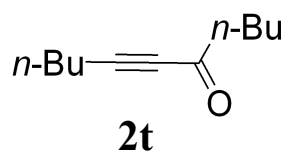
zd-3-90c
 Apr 3 2018
 NA = 512
 Solvent = cdcl3
 F1 = 100.527557 MHz
 F2 = 399.749146 MHz



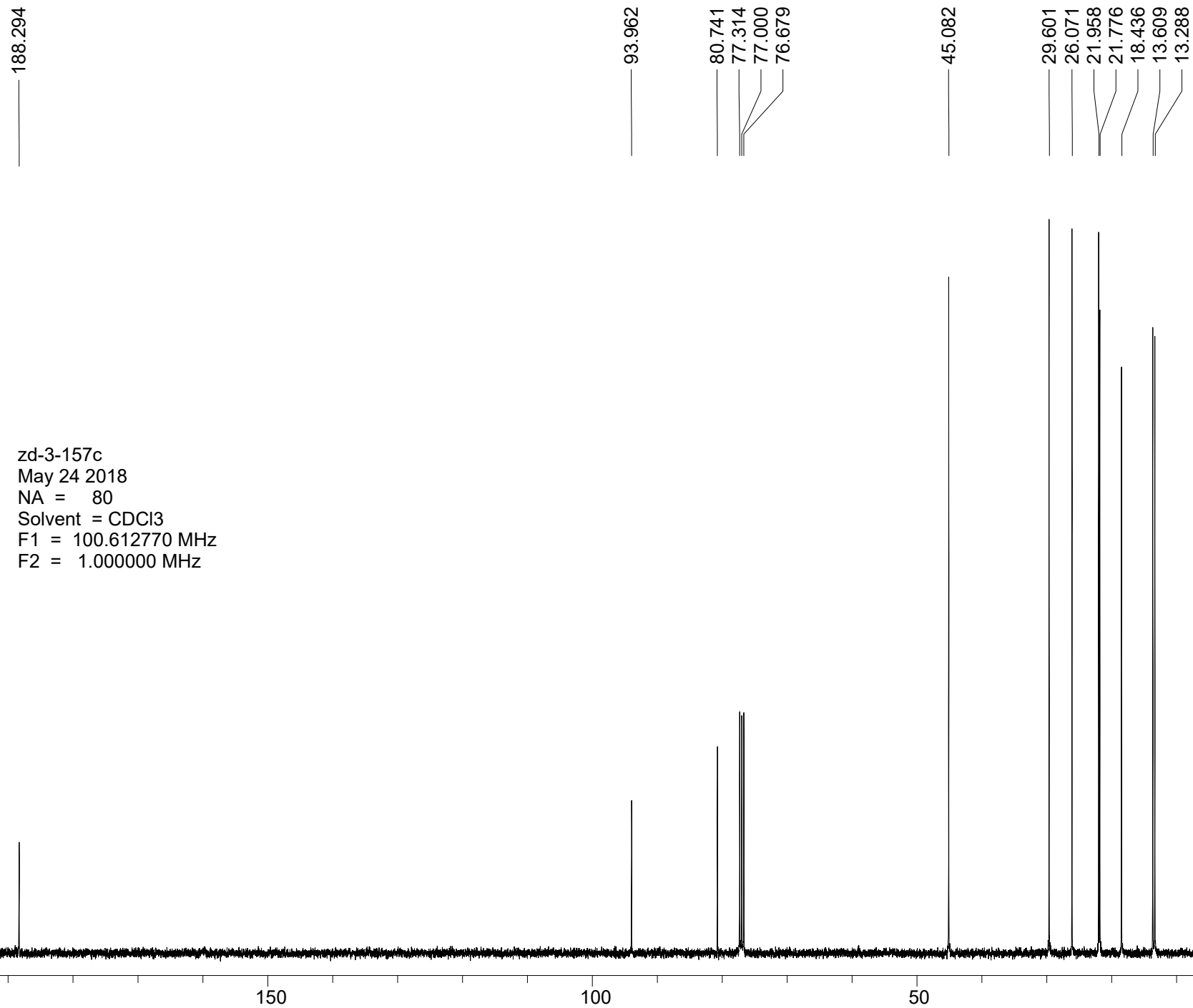


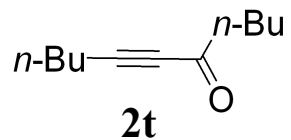
zd-3-157h
 May 16 2018
 NA = 8
 Solvent = cdcl3
 F1 = 399.749542 MHz
 F2 = 100.526031 MHz



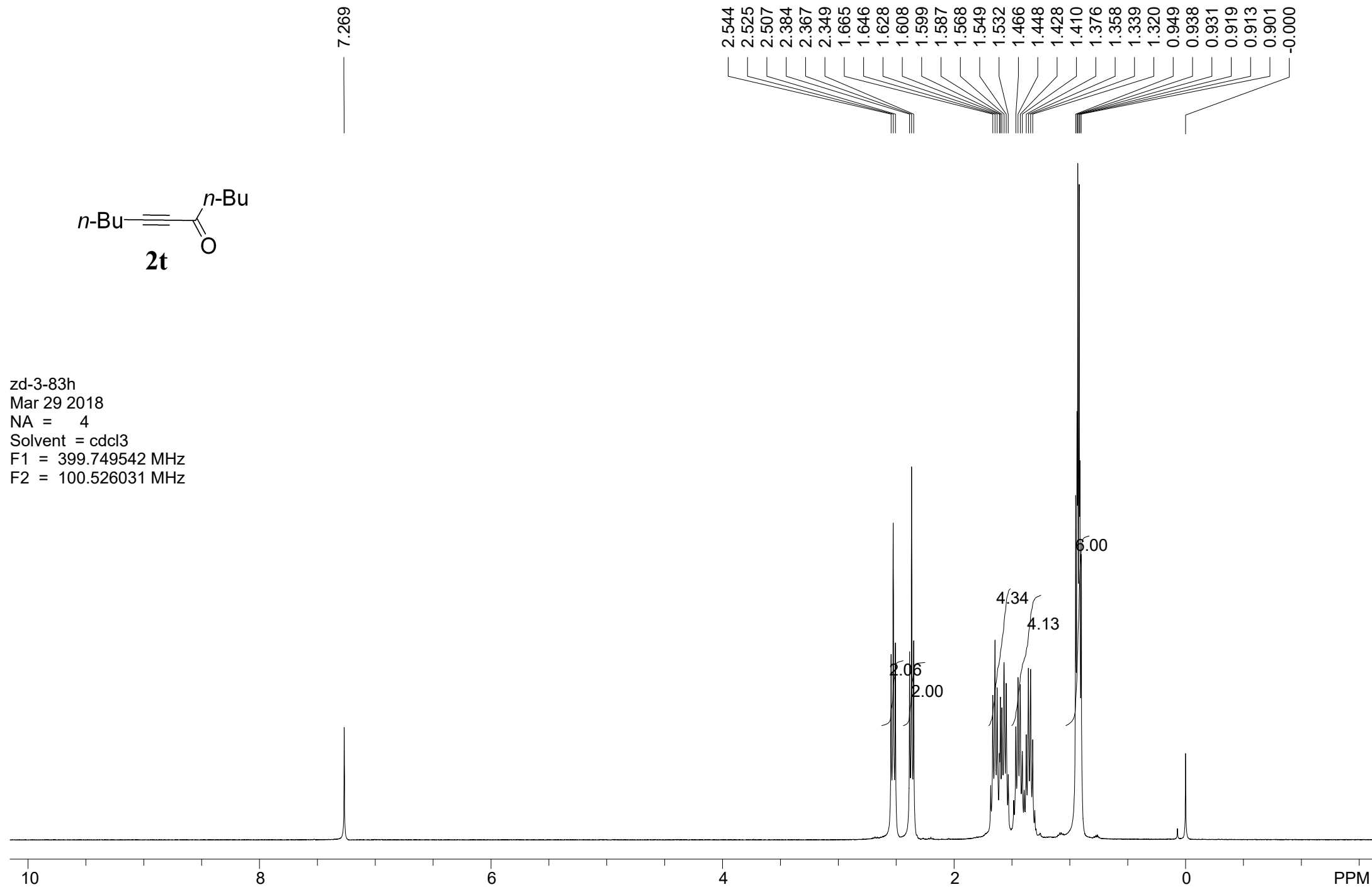


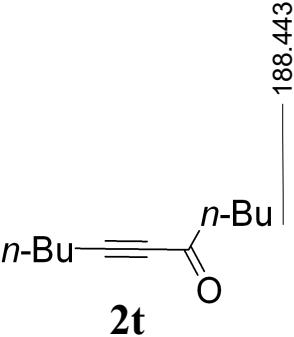
zd-3-157c
 May 24 2018
 NA = 80
 Solvent = CDCl₃
 F1 = 100.612770 MHz
 F2 = 1.000000 MHz



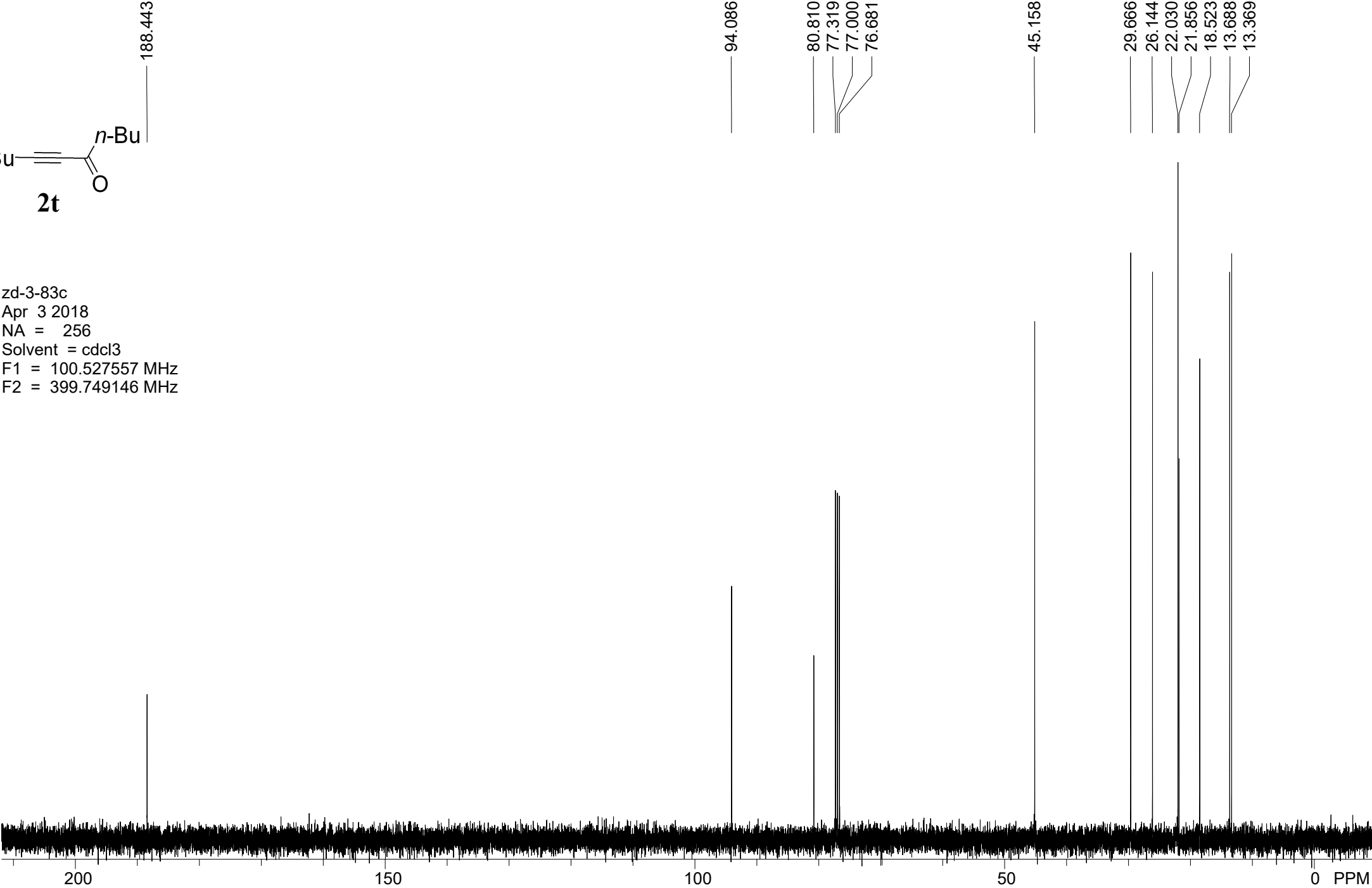


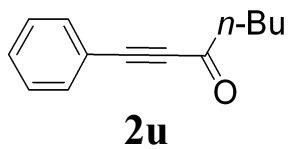
zd-3-83h
 Mar 29 2018
 NA = 4
 Solvent = cdcl3
 F1 = 399.749542 MHz
 F2 = 100.526031 MHz





zd-3-83c
Apr 3 2018
NA = 256
Solvent = cdcl3
F1 = 100.527557 MHz
F2 = 399.749146 MHz





7.586
7.568
7.459
7.440
7.406
7.386
7.368
7.264

2.691
2.673
2.655

1.769
1.750
1.732
1.713
1.694
1.593
1.431
1.412
1.394
1.375
0.971
0.952
0.934
-0.000

zd-3-146h
May 5 2018
NA = 8
Solvent = cdcl3
F1 = 399.749542 MHz
F2 = 100.526031 MHz

2.00
3.03

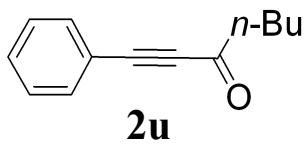
2.07

2.08

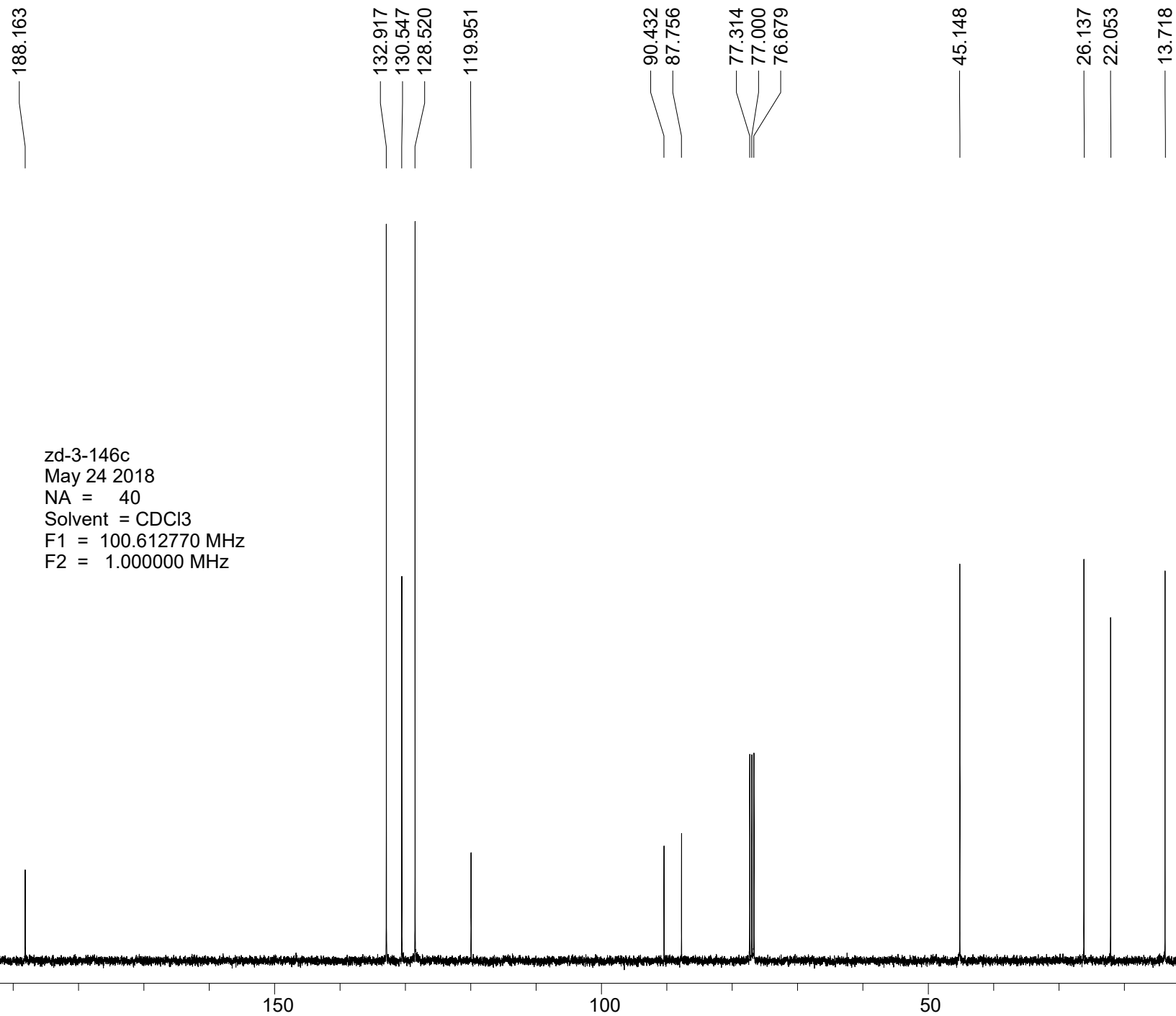
2.09

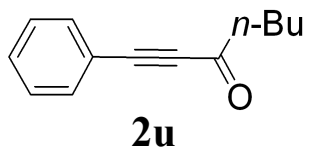
3.12

10 8 6 4 2 0 PPM



zd-3-146c
May 24 2018
NA = 40
Solvent = CDCl₃
F1 = 100.612770 MHz
F2 = 1.000000 MHz

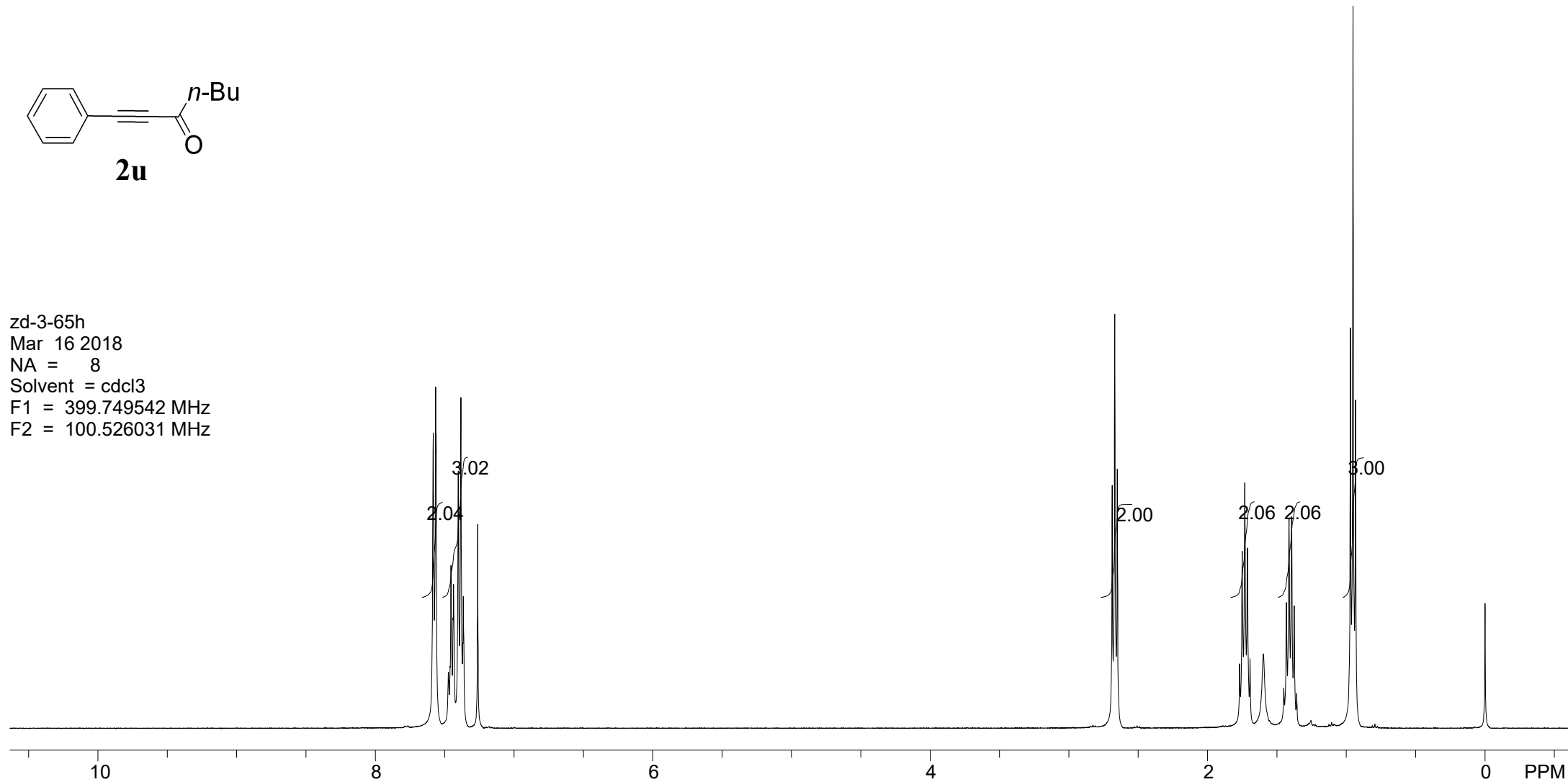


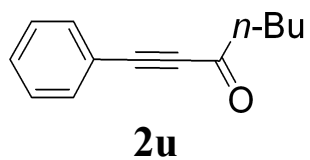


7.583
 7.565
 7.562
 7.473
 7.470
 7.461
 7.455
 7.440
 7.436
 7.402
 7.383
 7.369
 7.366
 7.262

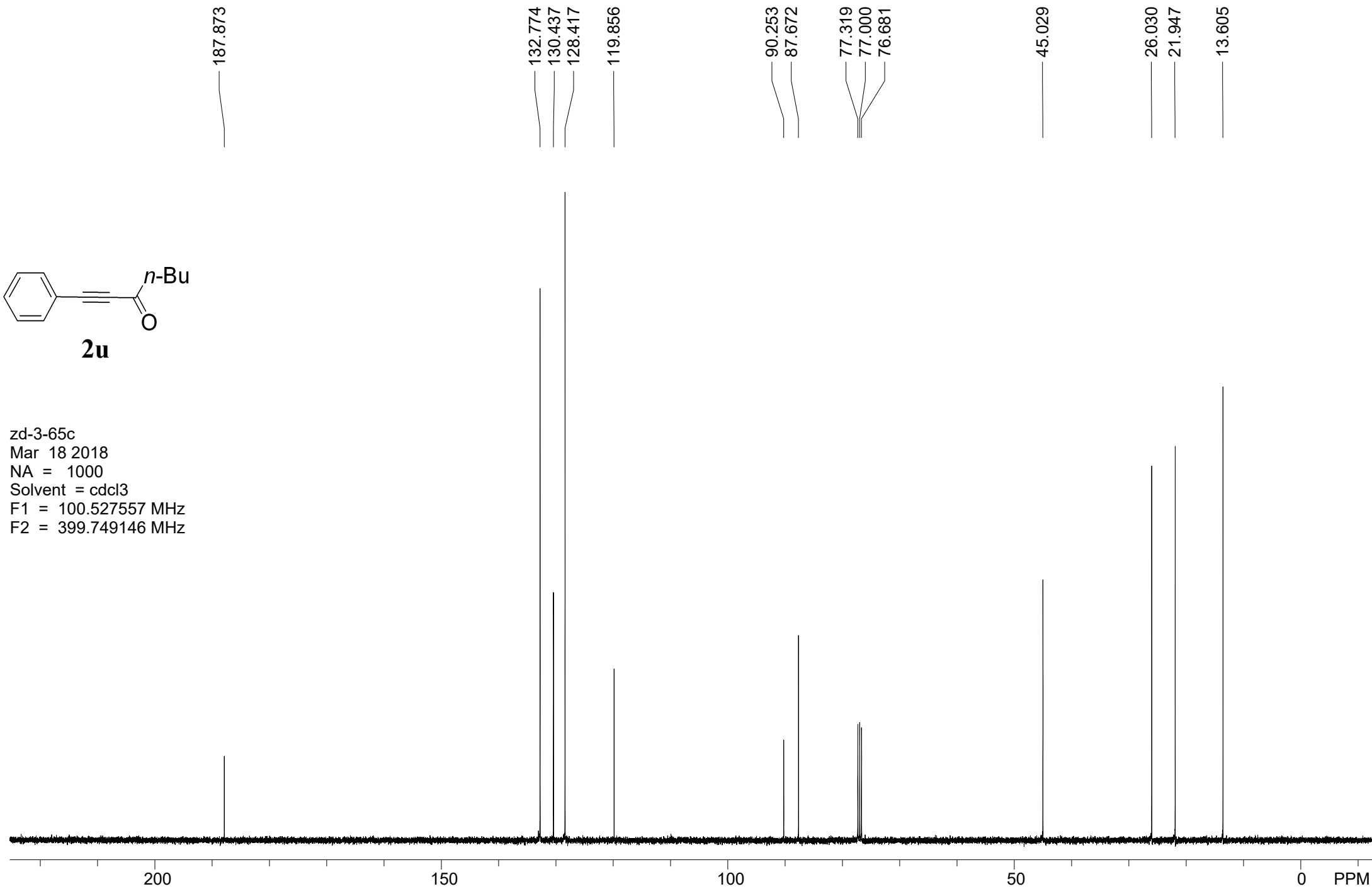
2.688
 2.669
 2.651
 1.769
 1.750
 1.732
 1.713
 1.694
 1.597
 1.432
 1.412
 1.394
 1.375
 0.970
 0.951
 0.934
 -0.000

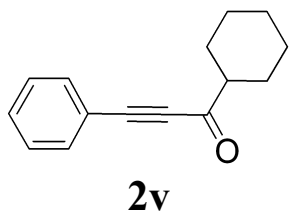
zd-3-65h
 Mar 16 2018
 NA = 8
 Solvent = cdcl3
 F1 = 399.749542 MHz
 F2 = 100.526031 MHz



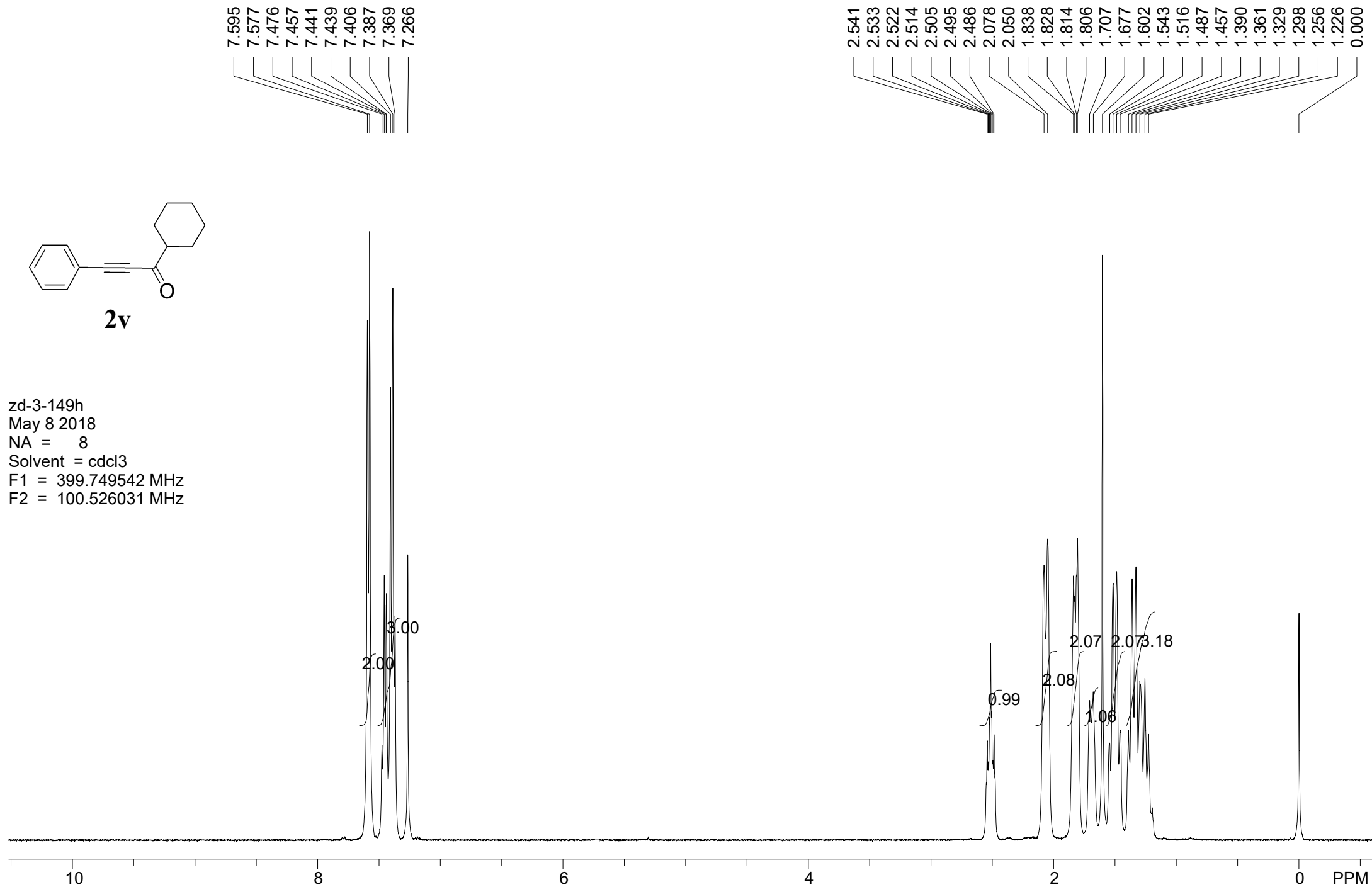


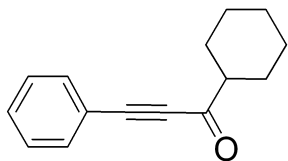
zd-3-65c
 Mar 18 2018
 NA = 1000
 Solvent = cdcl3
 F1 = 100.527557 MHz
 F2 = 399.749146 MHz





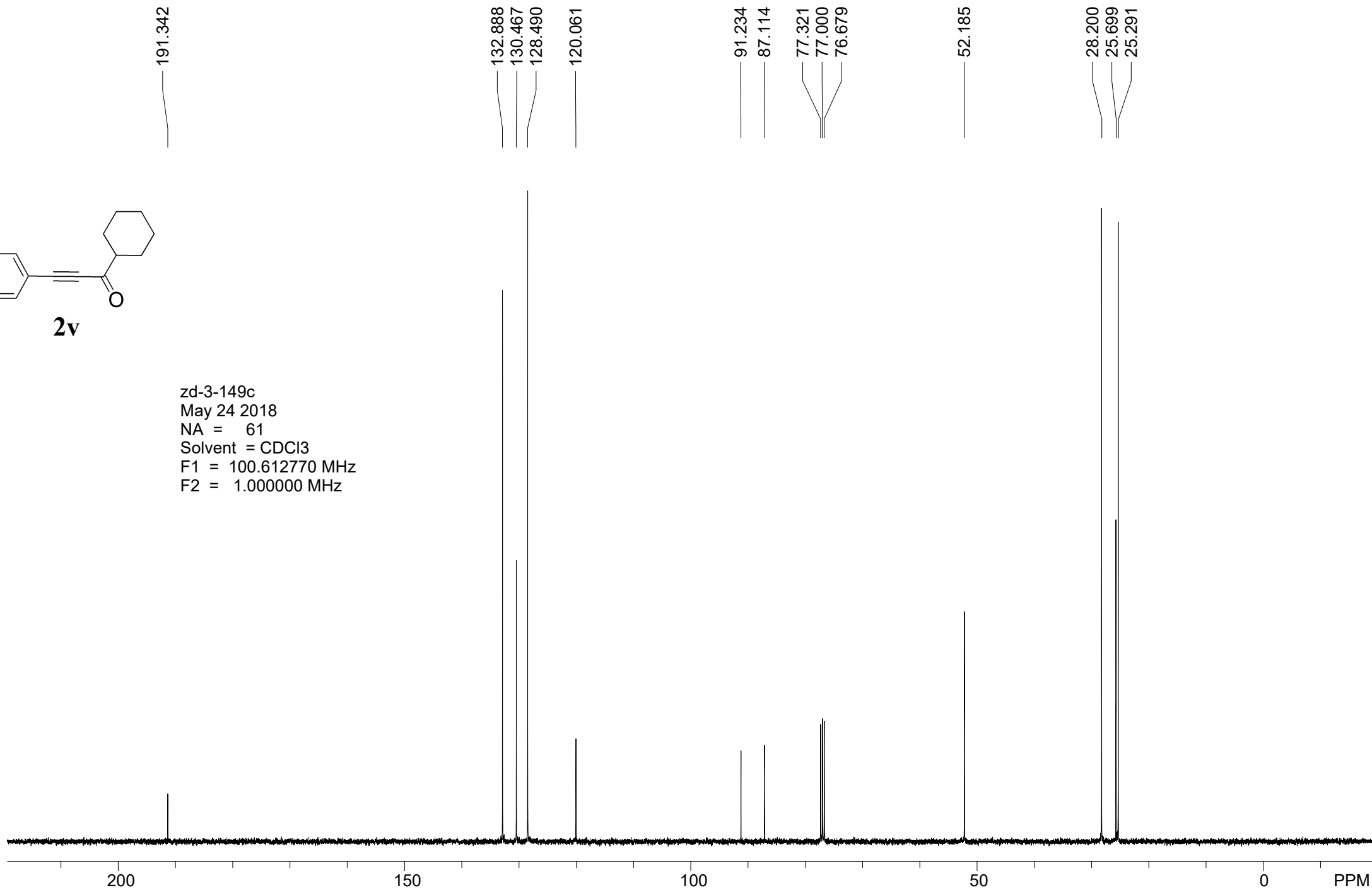
zd-3-149h
 May 8 2018
 NA = 8
 Solvent = cdcl3
 F1 = 399.749542 MHz
 F2 = 100.526031 MHz

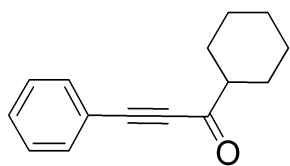




2v

zd-3-149c
May 24 2018
NA = 61
Solvent = CDCl3
F1 = 100.612770 MHz
F2 = 1.000000 MHz



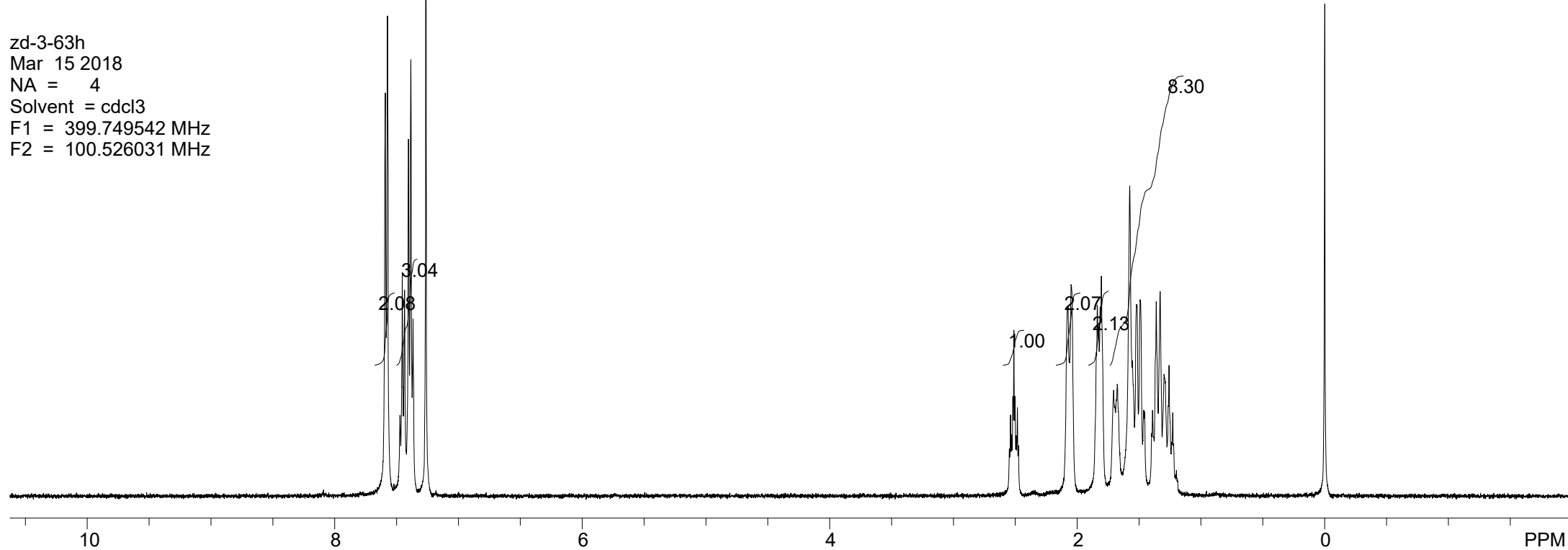


2v

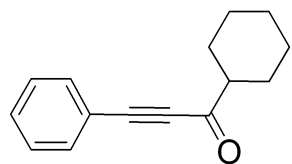
zd-3-63h
 Mar 15 2018
 NA = 4
 Solvent = cdcl3
 F1 = 399.749542 MHz
 F2 = 100.526031 MHz

7.592
 7.574
 7.571
 7.473
 7.455
 7.436
 7.404
 7.384
 7.366
 7.263

2.549
 2.539
 2.530
 2.520
 2.512
 2.503
 2.493
 2.484
 2.475
 2.076
 2.050
 1.845
 1.837
 1.828
 1.815
 1.805
 1.706
 1.697
 1.677
 1.576
 1.554
 1.522
 1.492
 1.463
 1.456
 1.398
 1.391
 1.362
 1.330
 1.298
 1.258
 1.228
 0.000

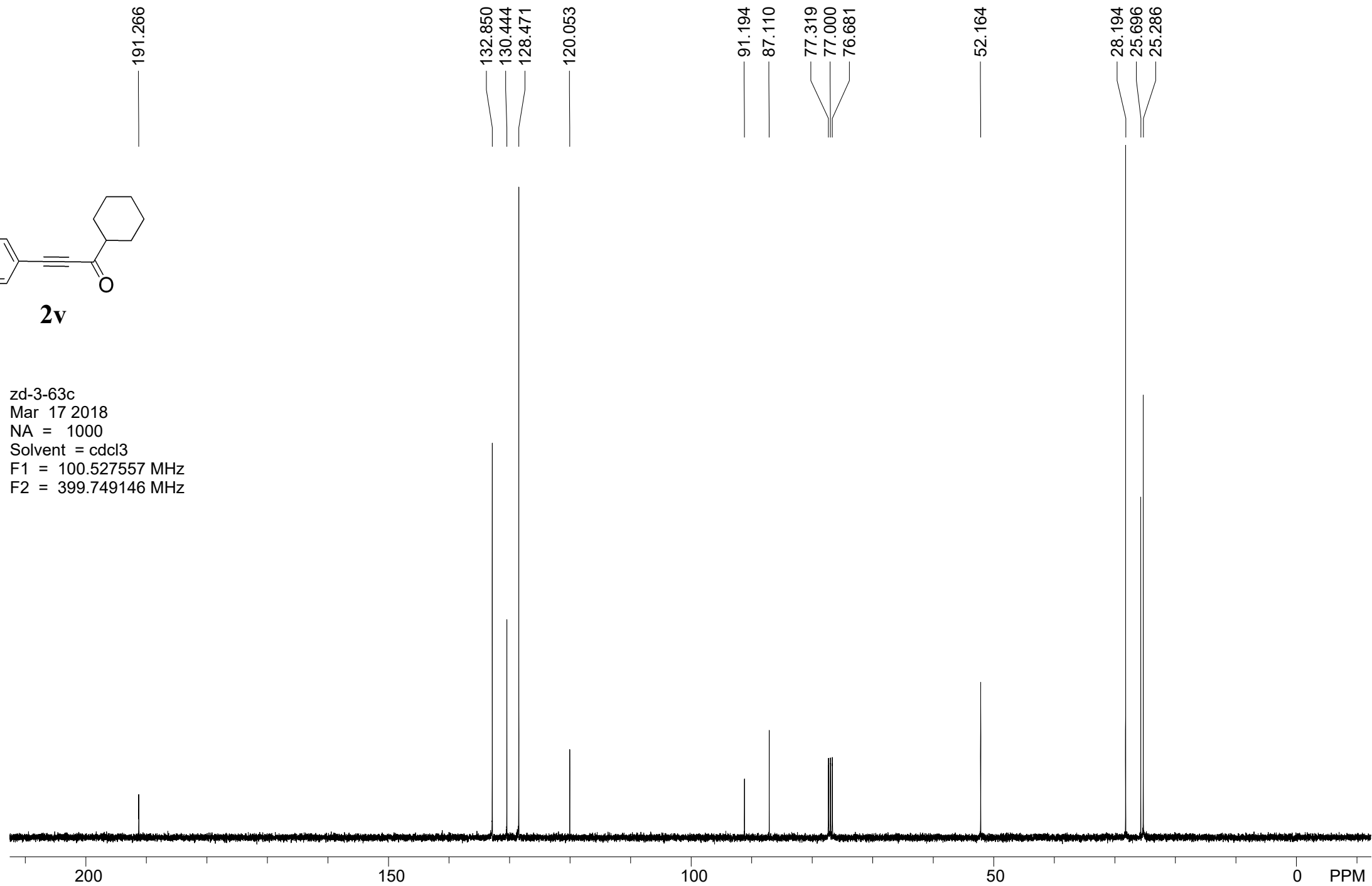


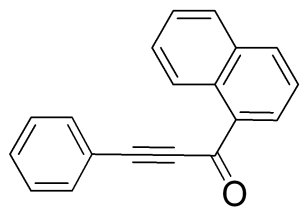
PPM



2v

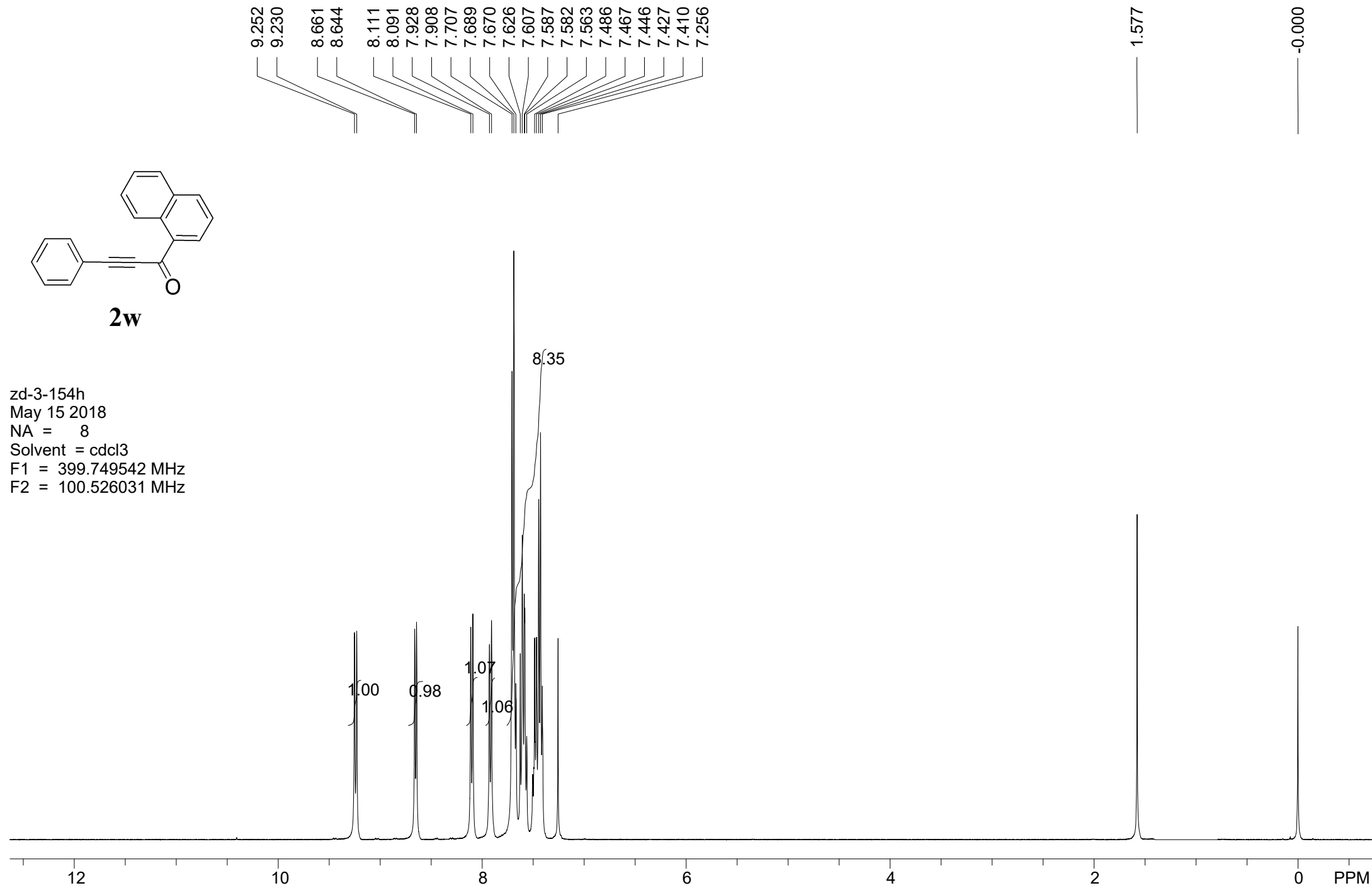
zd-3-63c
Mar 17 2018
NA = 1000
Solvent = cdcl3
F1 = 100.527557 MHz
F2 = 399.749146 MHz

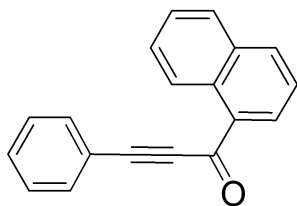




2w

zd-3-154h
 May 15 2018
 NA = 8
 Solvent = cdcl3
 F1 = 399.749542 MHz
 F2 = 100.526031 MHz





2w

zd-3-154c

May 24 2018

NA = 80

Solvent = CDCl₃

F1 = 100.612770 MHz

F2 = 1.000000 MHz

179.645

135.046

134.485

133.785

132.866

130.649

130.540

128.877

128.585

128.520

126.682

125.902

124.407

120.243

91.628

88.427

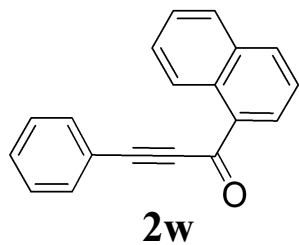
77.321

77.000

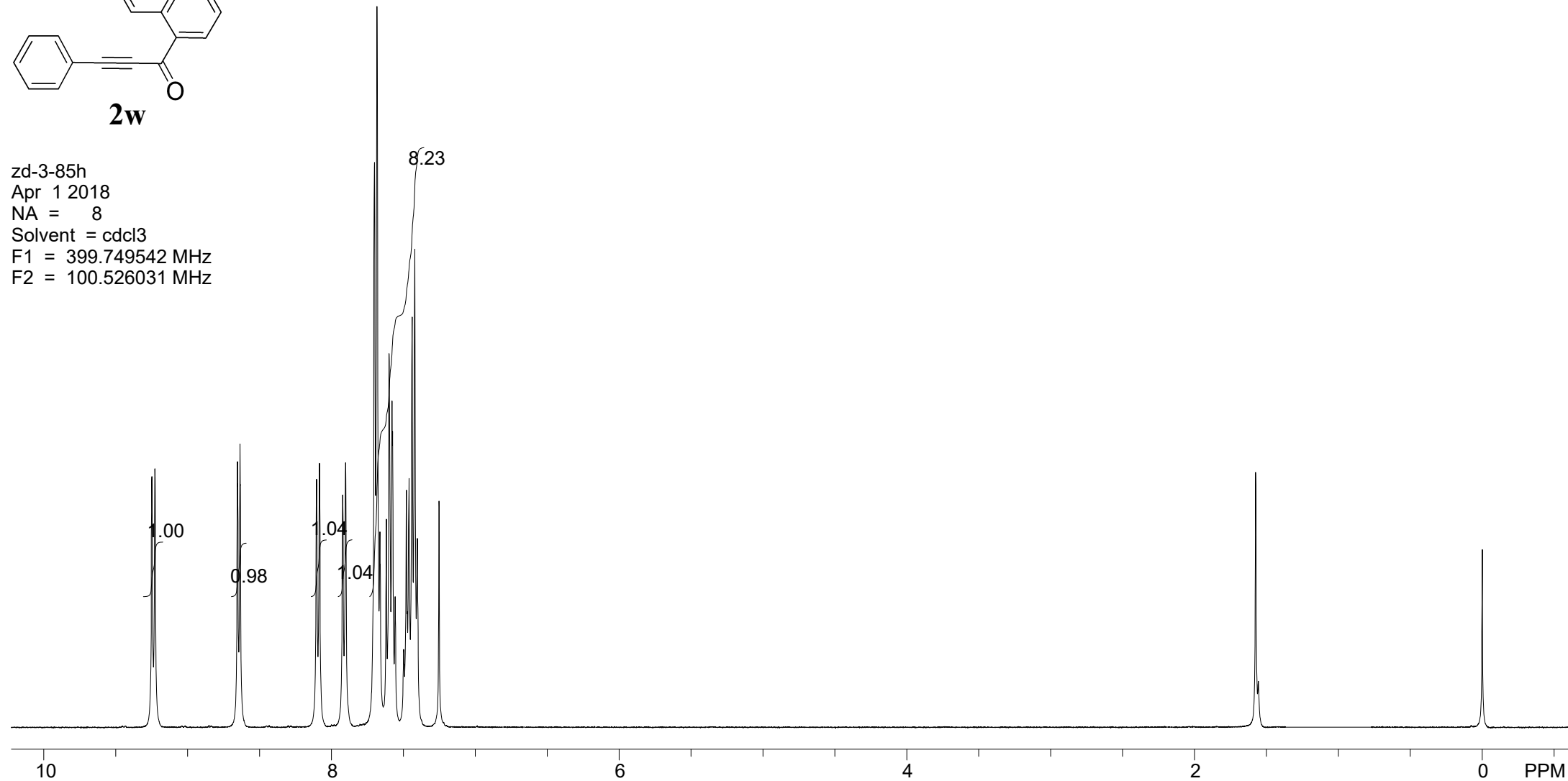
76.679

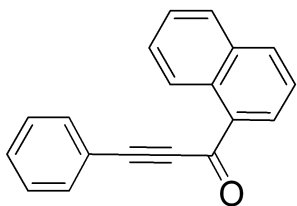
200 150 100 50 0 PPM

9.249
9.227
8.654
8.636
8.104
8.083
7.922
7.902
7.700
7.684
7.663
7.660
7.618
7.599
7.579
7.575
7.557
7.498
7.479
7.473
7.460
7.439
7.420
7.403
7.252



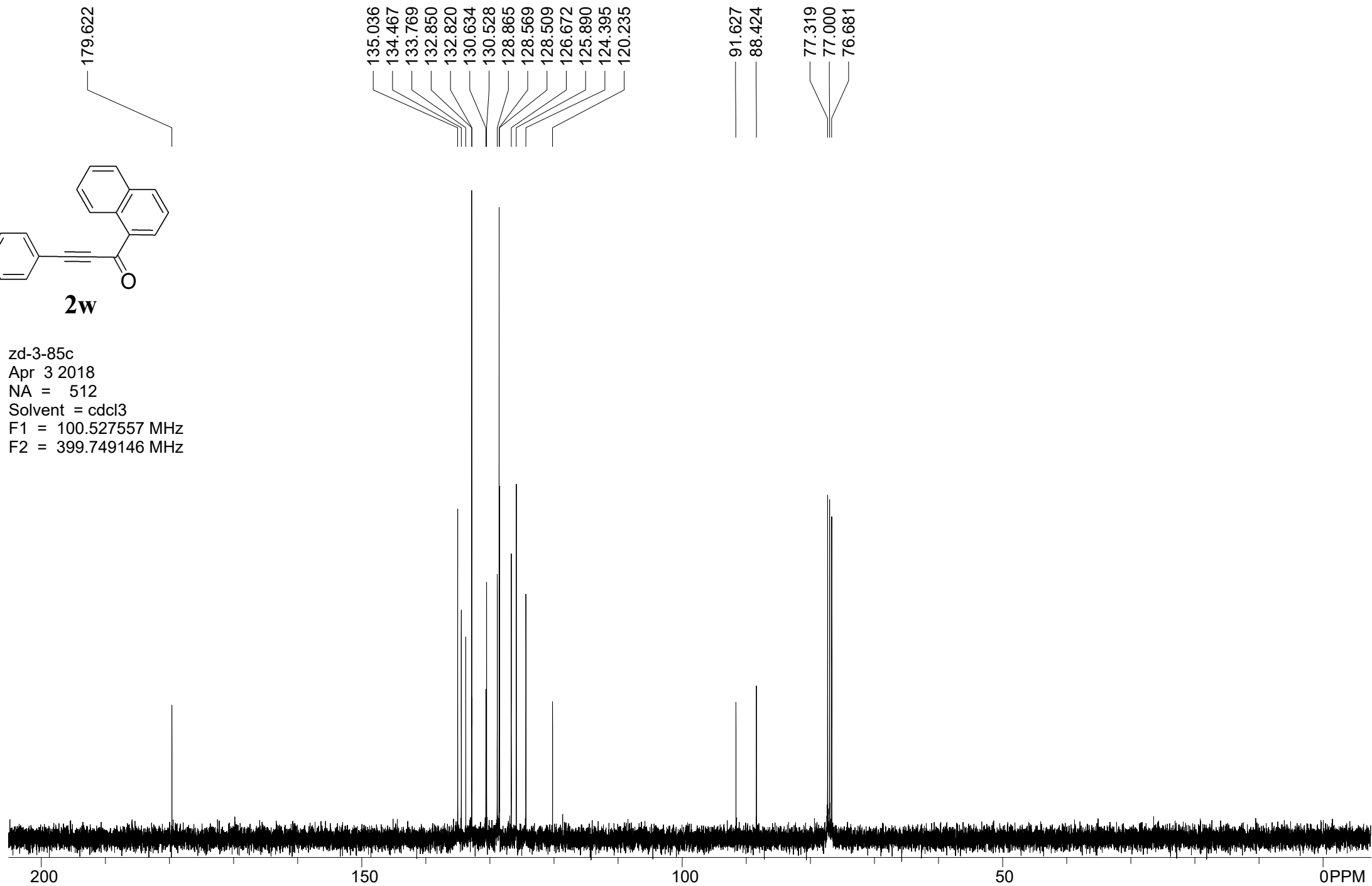
zd-3-85h
Apr 1 2018
NA = 8
Solvent = cdcl3
F1 = 399.749542 MHz
F2 = 100.526031 MHz

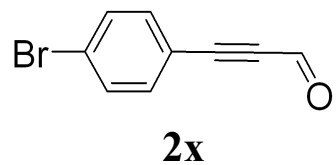




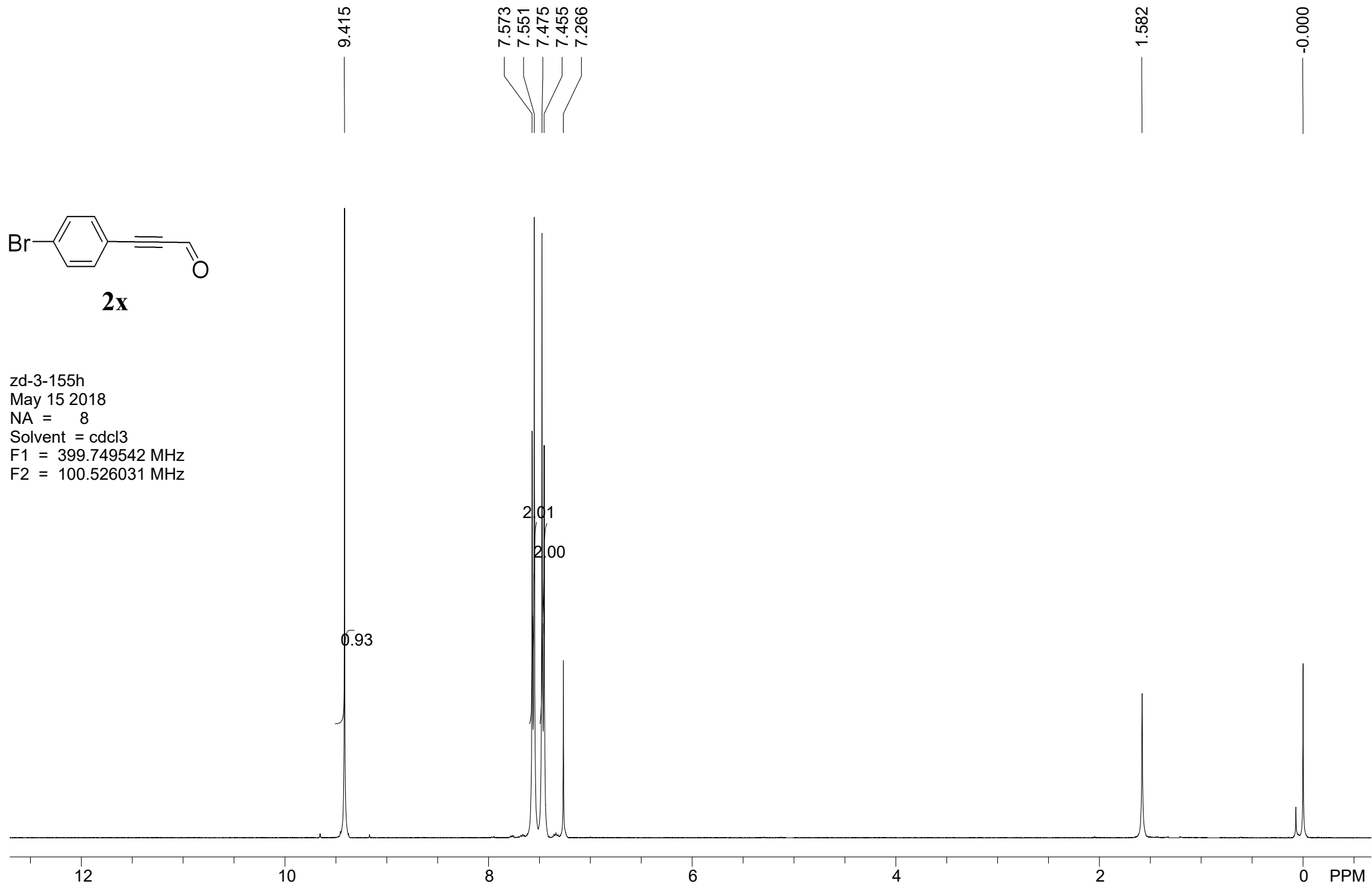
2w

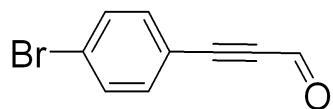
zd-3-85c
 Apr 3 2018
 NA = 512
 Solvent = cdcl3
 F1 = 100.527557 MHz
 F2 = 399.749146 MHz





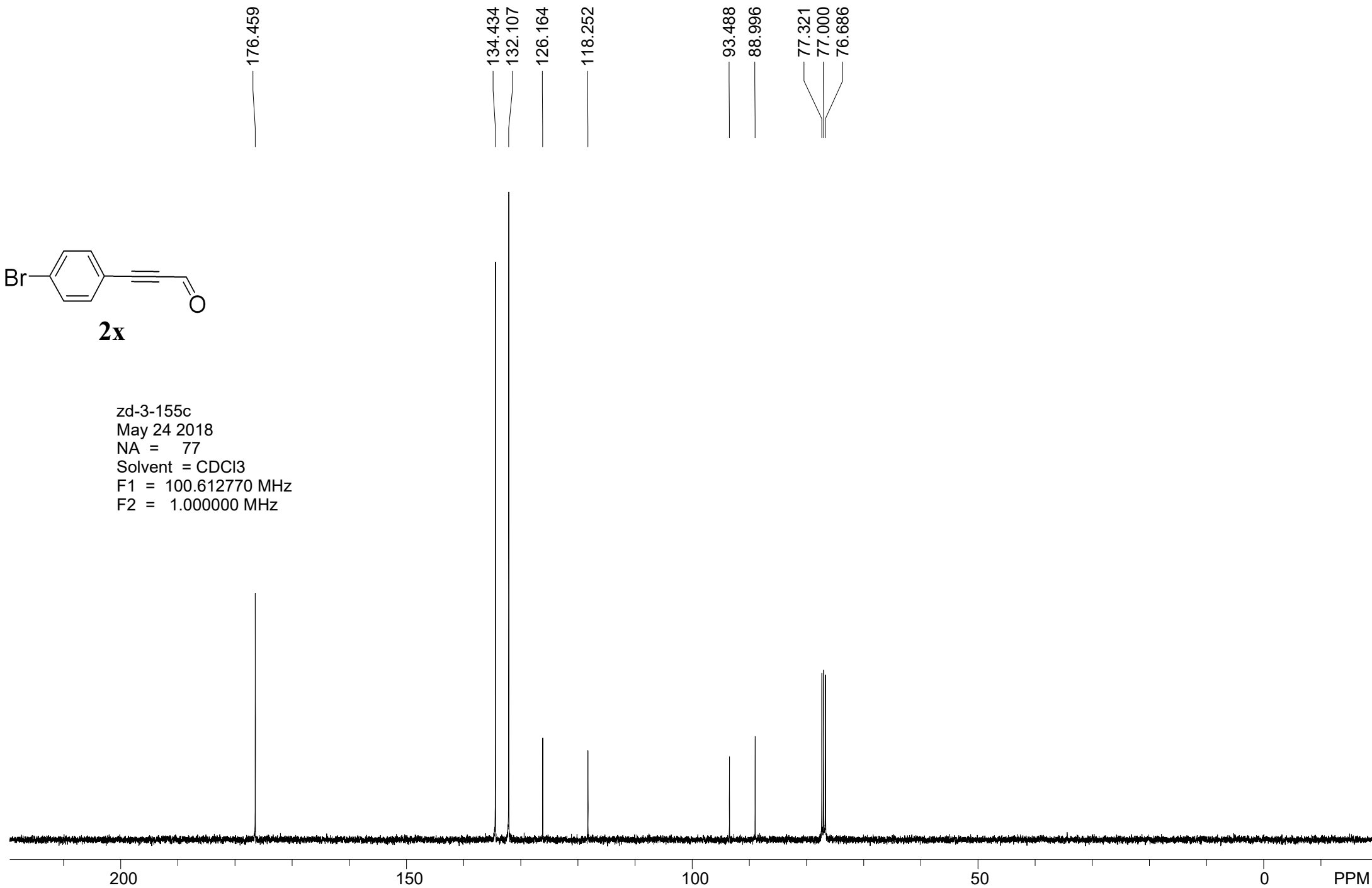
zd-3-155h
 May 15 2018
 NA = 8
 Solvent = cdcl3
 F1 = 399.749542 MHz
 F2 = 100.526031 MHz

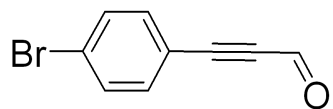




2x

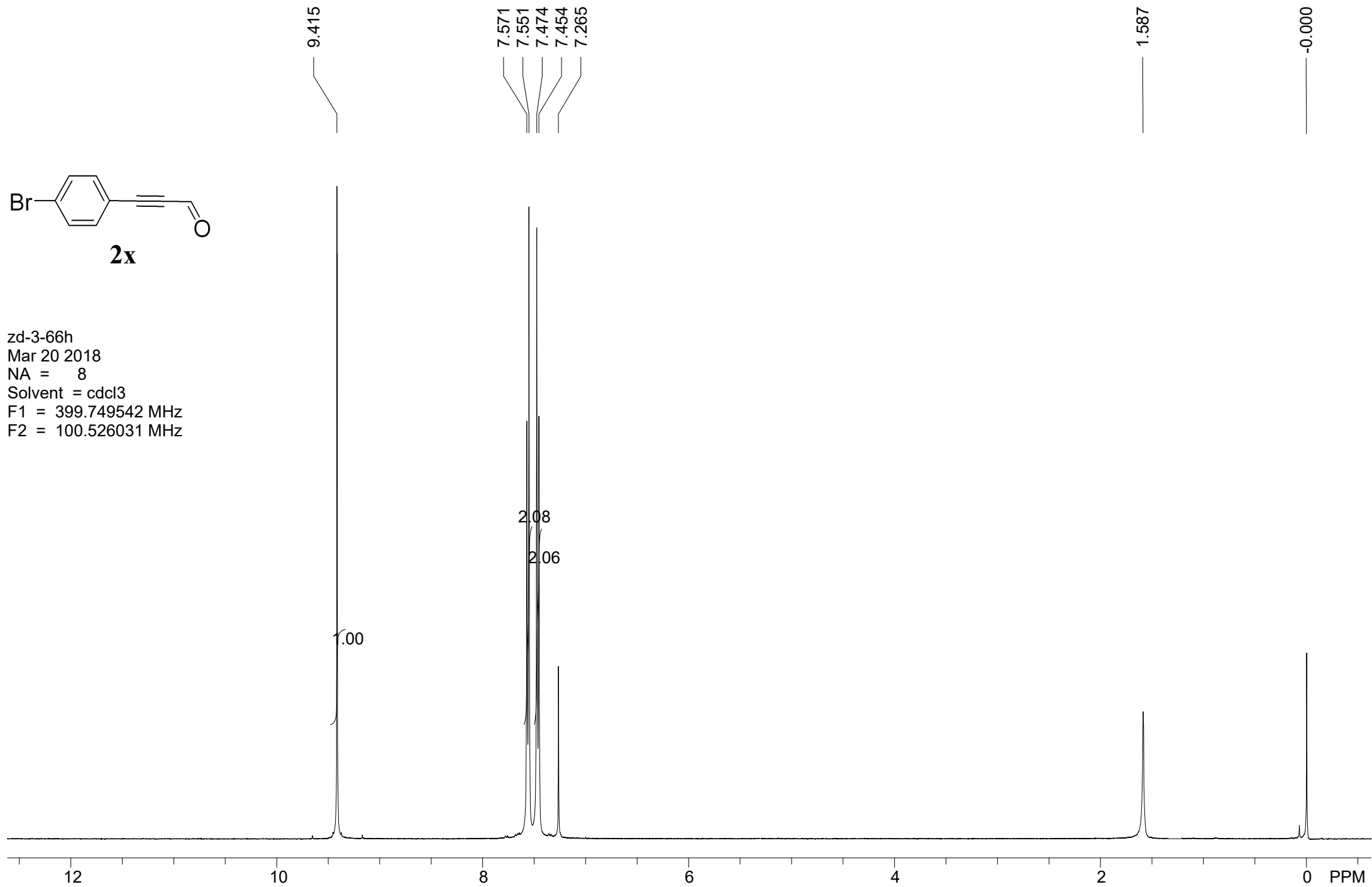
zd-3-155c
May 24 2018
NA = 77
Solvent = CDCl₃
F1 = 100.612770 MHz
F2 = 1.000000 MHz

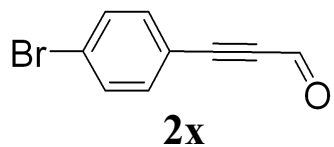




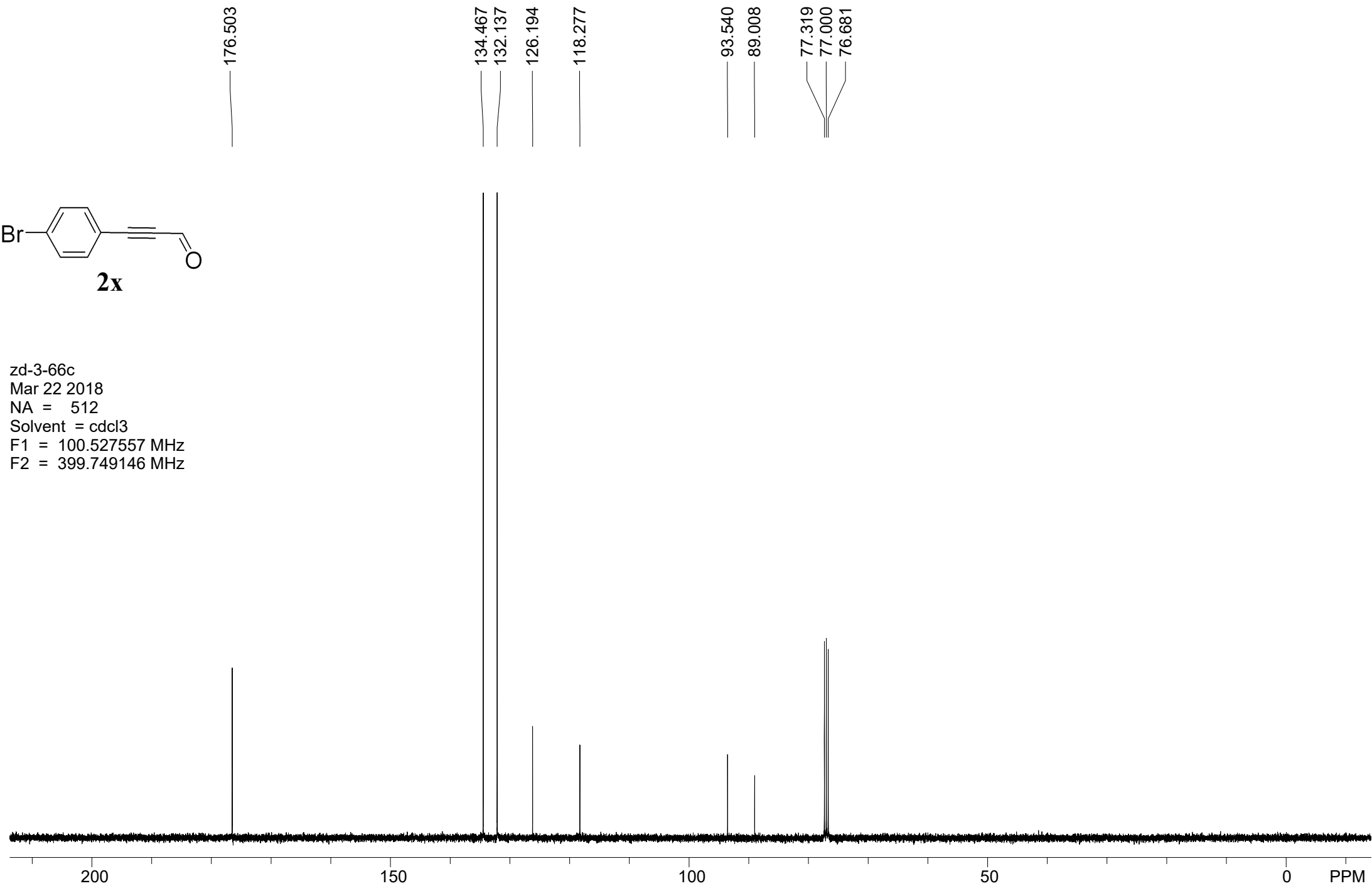
2x

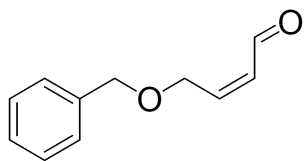
zd-3-66h
Mar 20 2018
NA = 8
Solvent = cdcl3
F1 = 399.749542 MHz
F2 = 100.526031 MHz





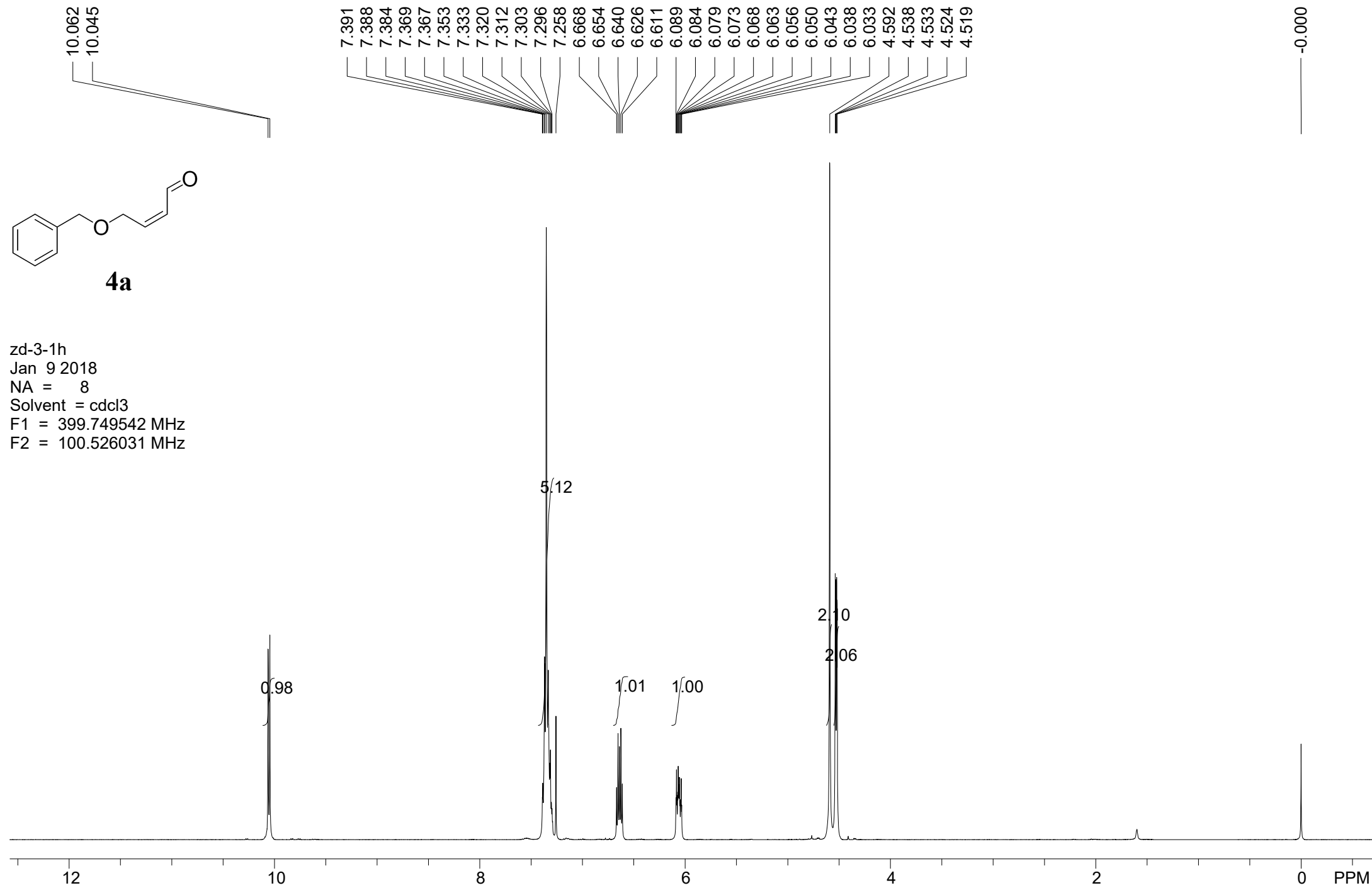
zd-3-66c
Mar 22 2018
NA = 512
Solvent = cdcl3
F1 = 100.527557 MHz
F2 = 399.749146 MHz

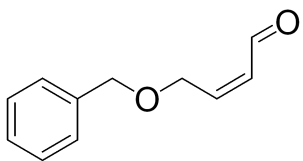




4a

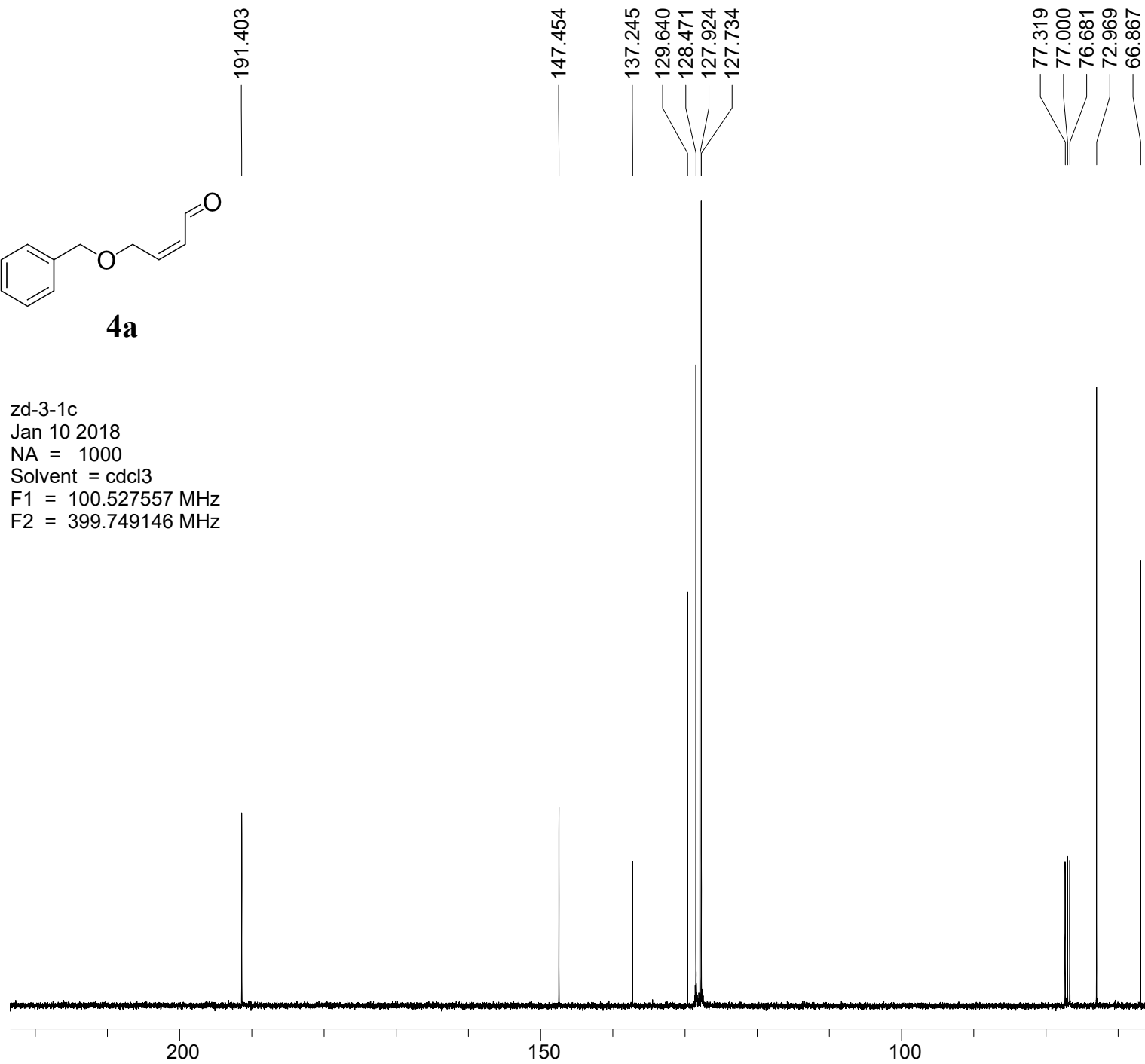
zd-3-1h
 Jan 9 2018
 NA = 8
 Solvent = cdcl3
 F1 = 399.749542 MHz
 F2 = 100.526031 MHz

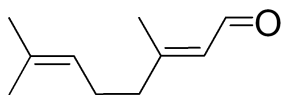




4a

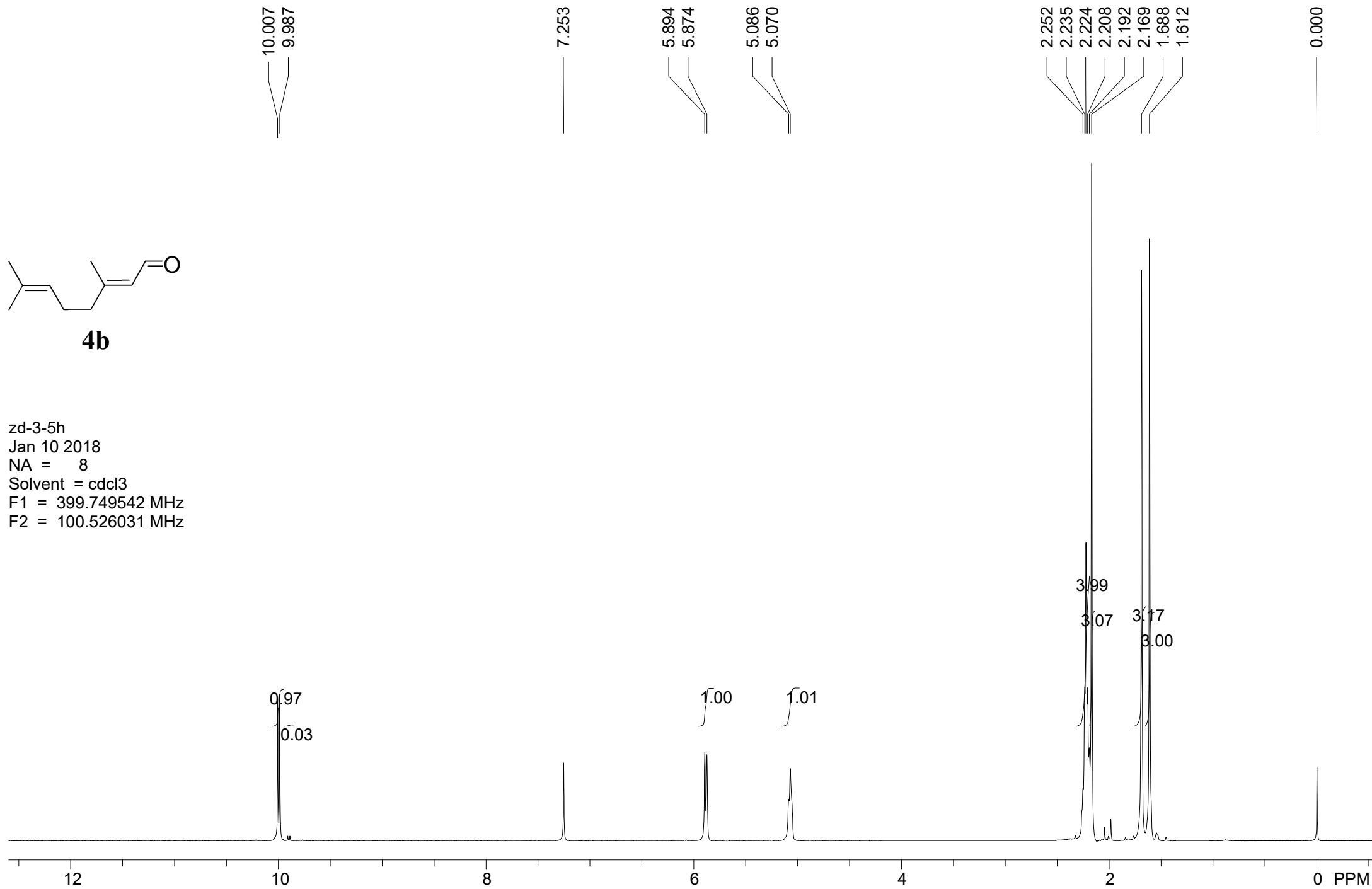
zd-3-1c
Jan 10 2018
NA = 1000
Solvent = cdcl3
F1 = 100.527557 MHz
F2 = 399.749146 MHz

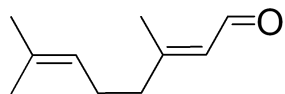




4b

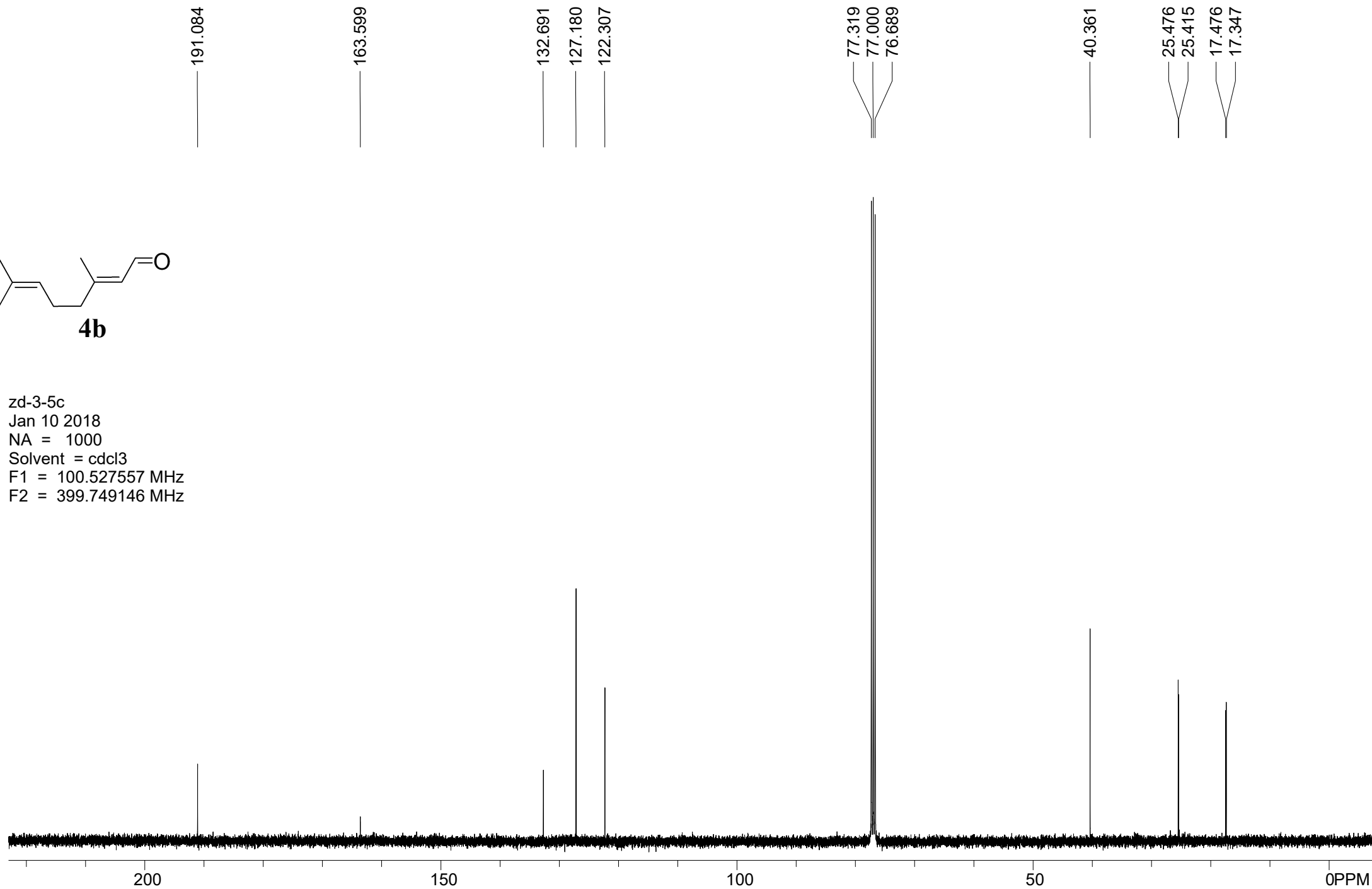
zd-3-5h
 Jan 10 2018
 NA = 8
 Solvent = cdcl3
 F1 = 399.749542 MHz
 F2 = 100.526031 MHz

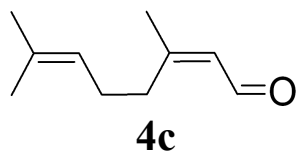




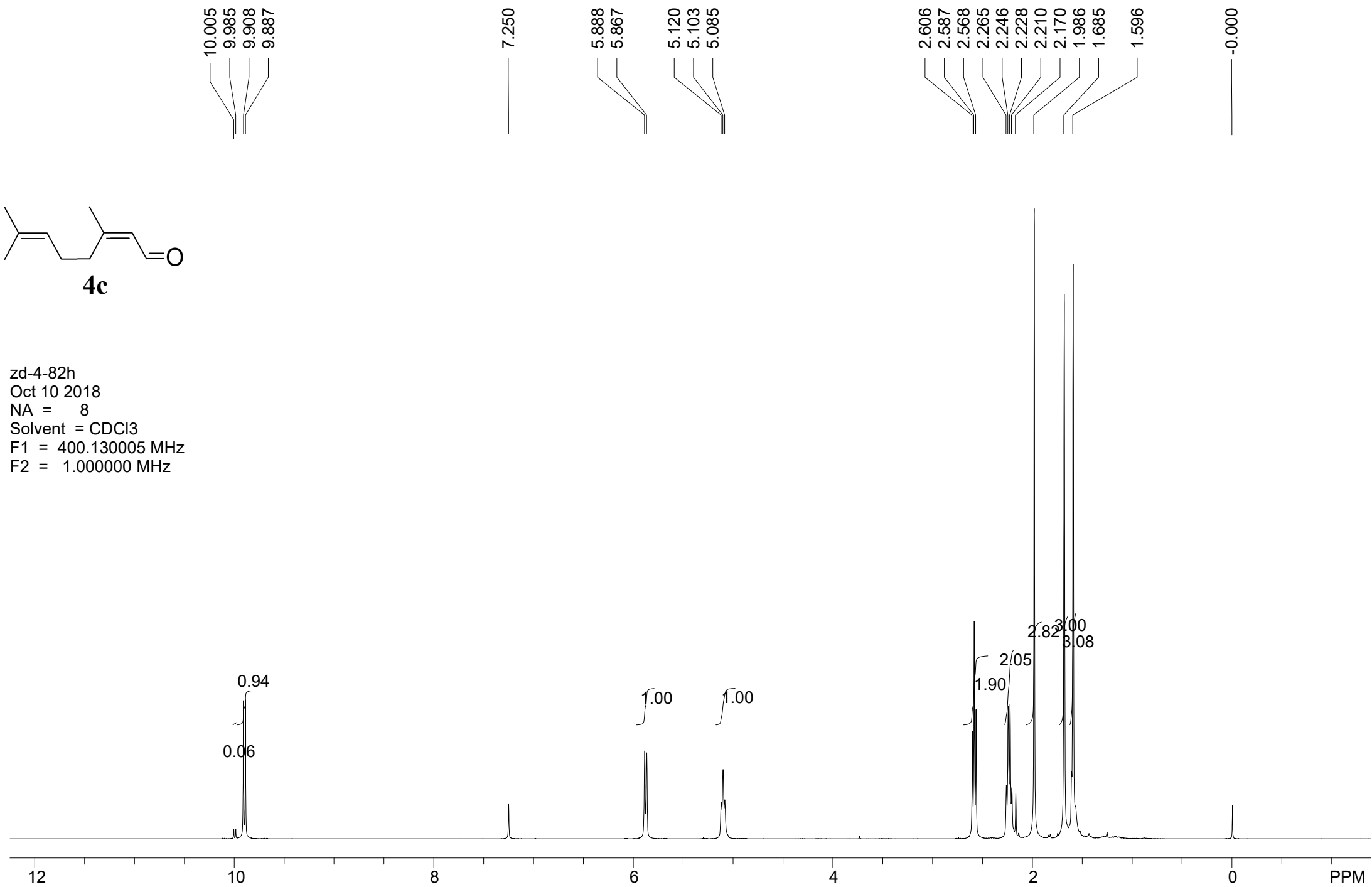
4b

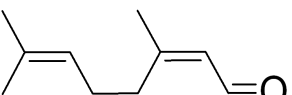
zd-3-5c
Jan 10 2018
NA = 1000
Solvent = cdcl3
F1 = 100.527557 MHz
F2 = 399.749146 MHz





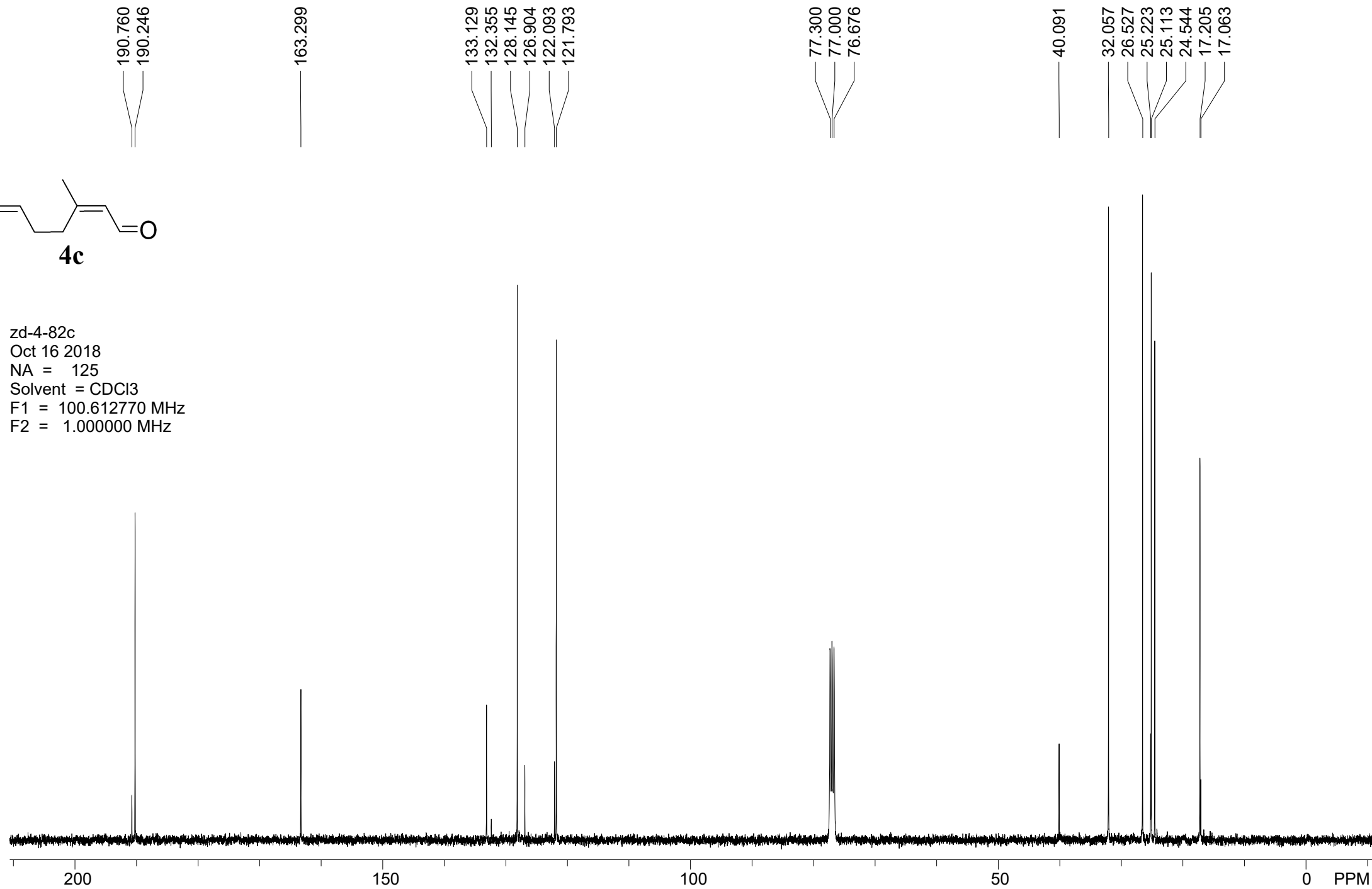
zd-4-82h
 Oct 10 2018
 NA = 8
 Solvent = CDCl₃
 F1 = 400.130005 MHz
 F2 = 1.000000 MHz

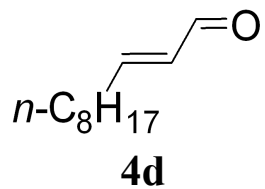




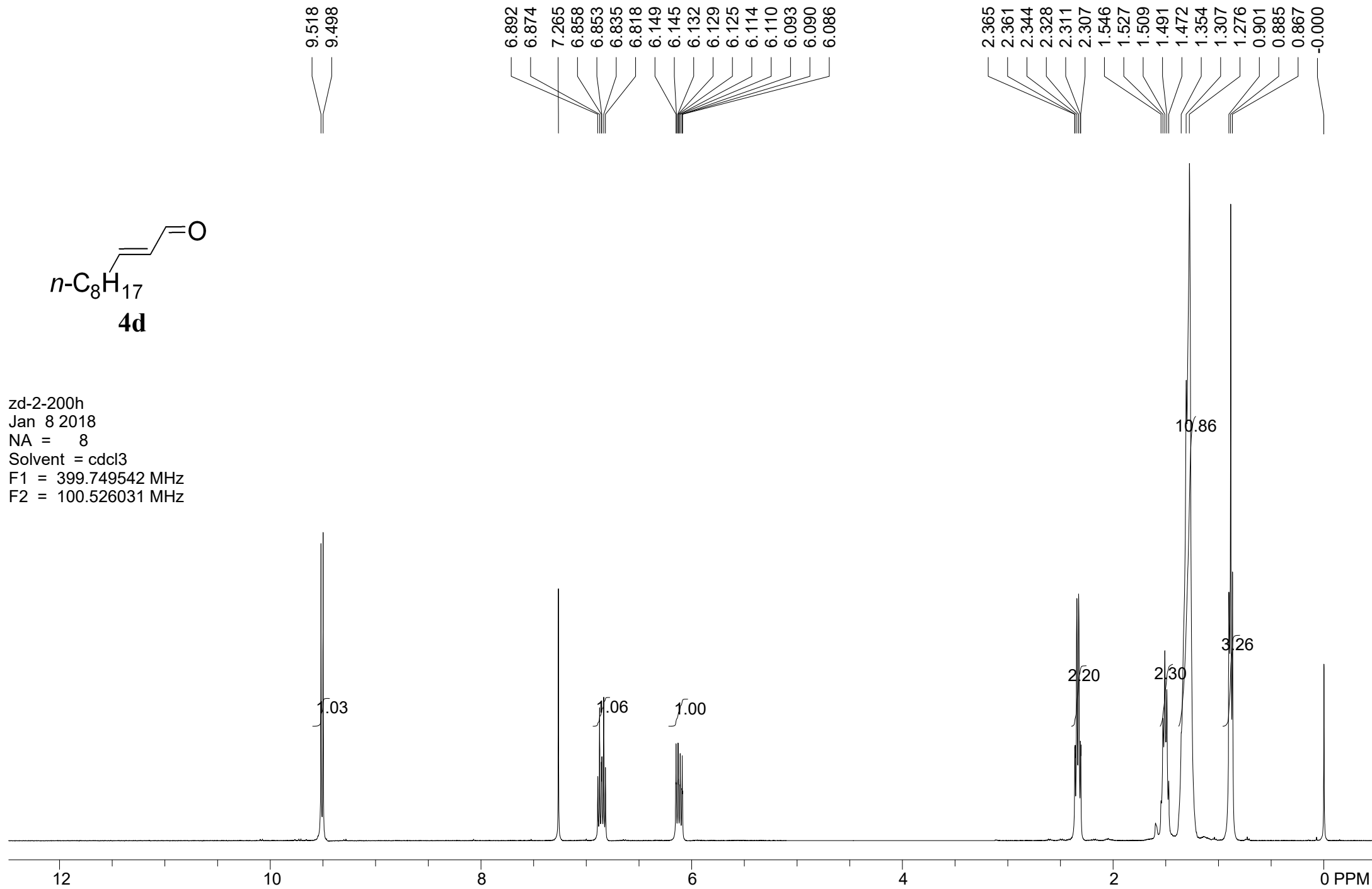
4c

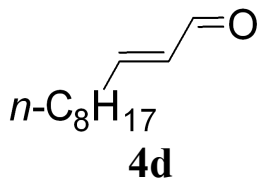
zd-4-82c
Oct 16 2018
NA = 125
Solvent = CDCl3
F1 = 100.612770 MHz
F2 = 1.000000 MHz



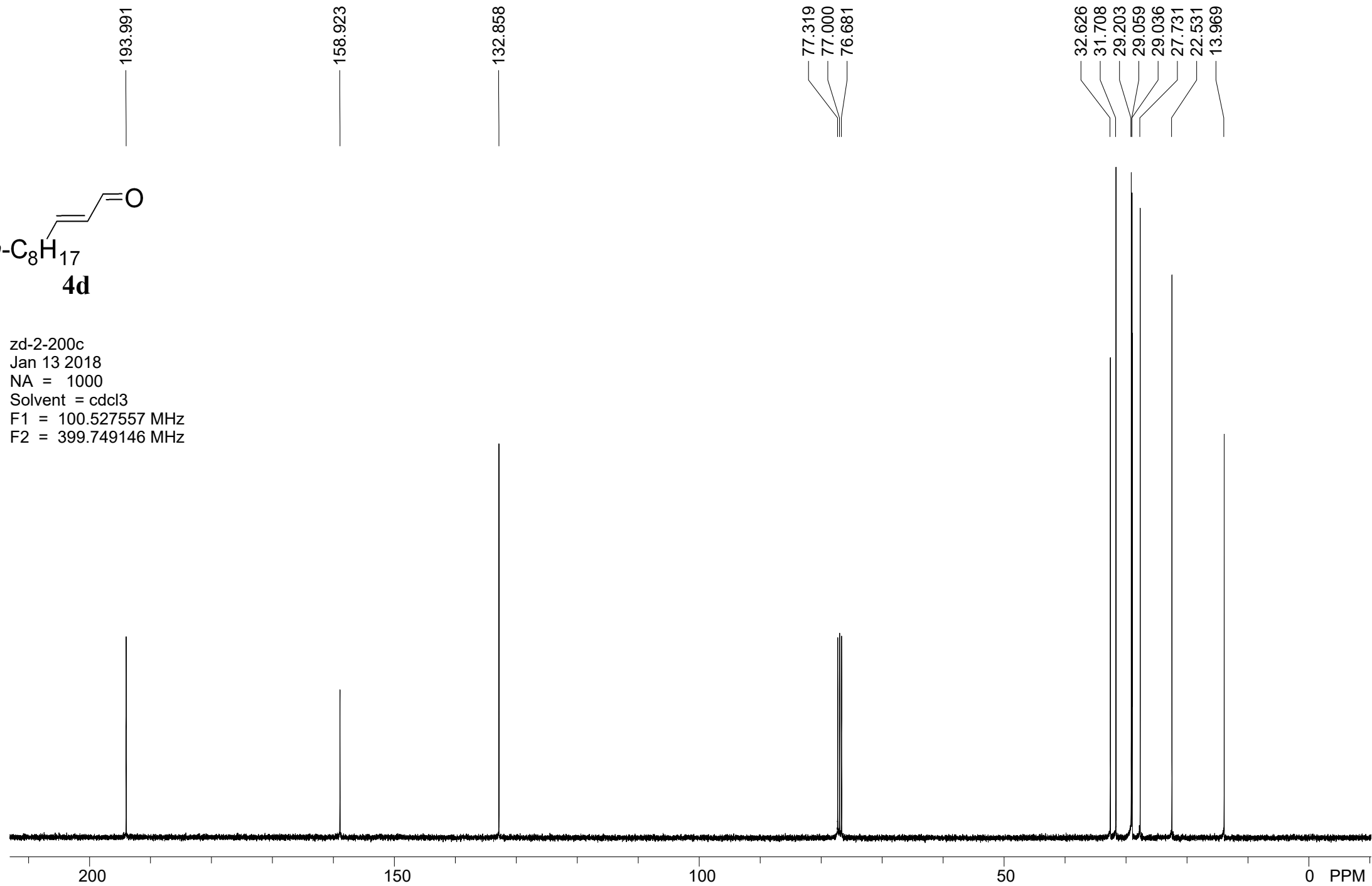


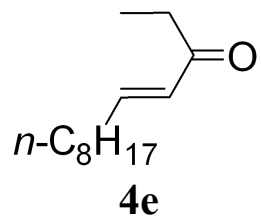
zd-2-200h
 Jan 8 2018
 NA = 8
 Solvent = cdcl3
 F1 = 399.749542 MHz
 F2 = 100.526031 MHz



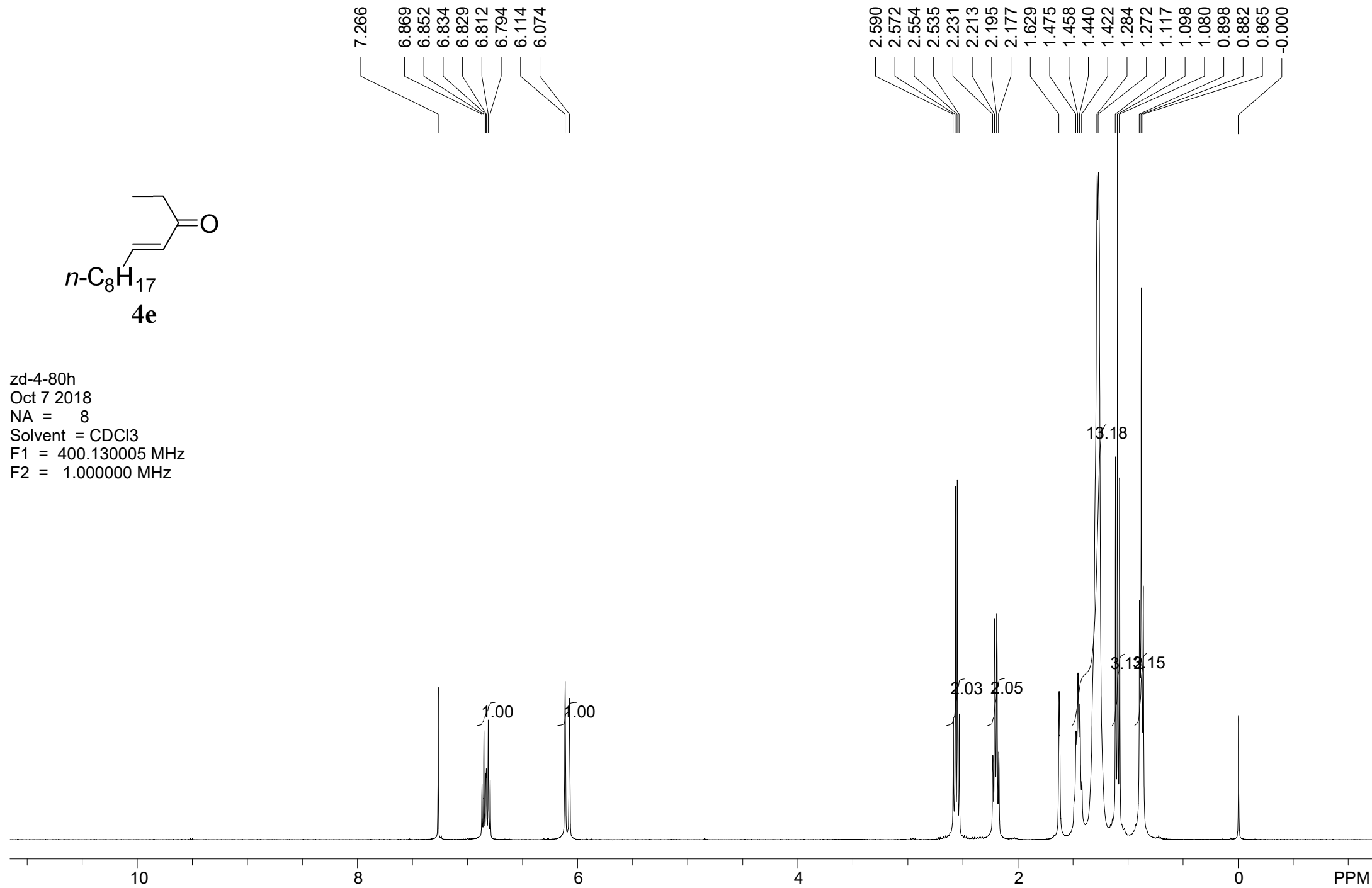


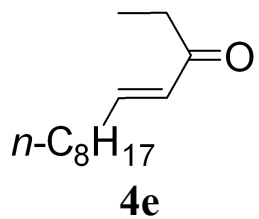
zd-2-200c
Jan 13 2018
NA = 1000
Solvent = cdcl3
F1 = 100.527557 MHz
F2 = 399.749146 MHz



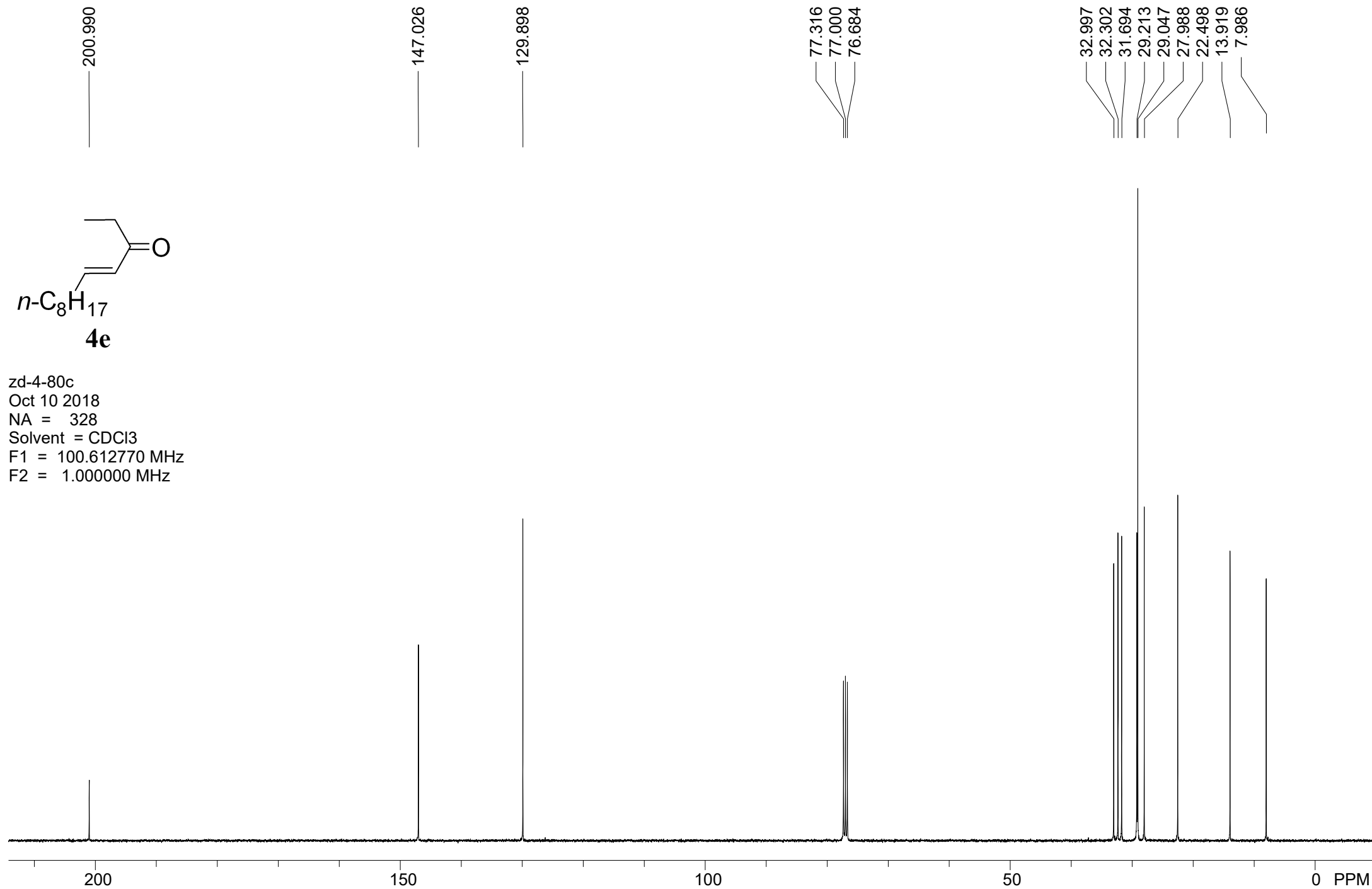


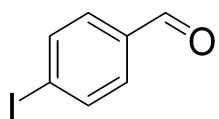
zd-4-80h
 Oct 7 2018
 NA = 8
 Solvent = CDCl₃
 F1 = 400.130005 MHz
 F2 = 1.000000 MHz





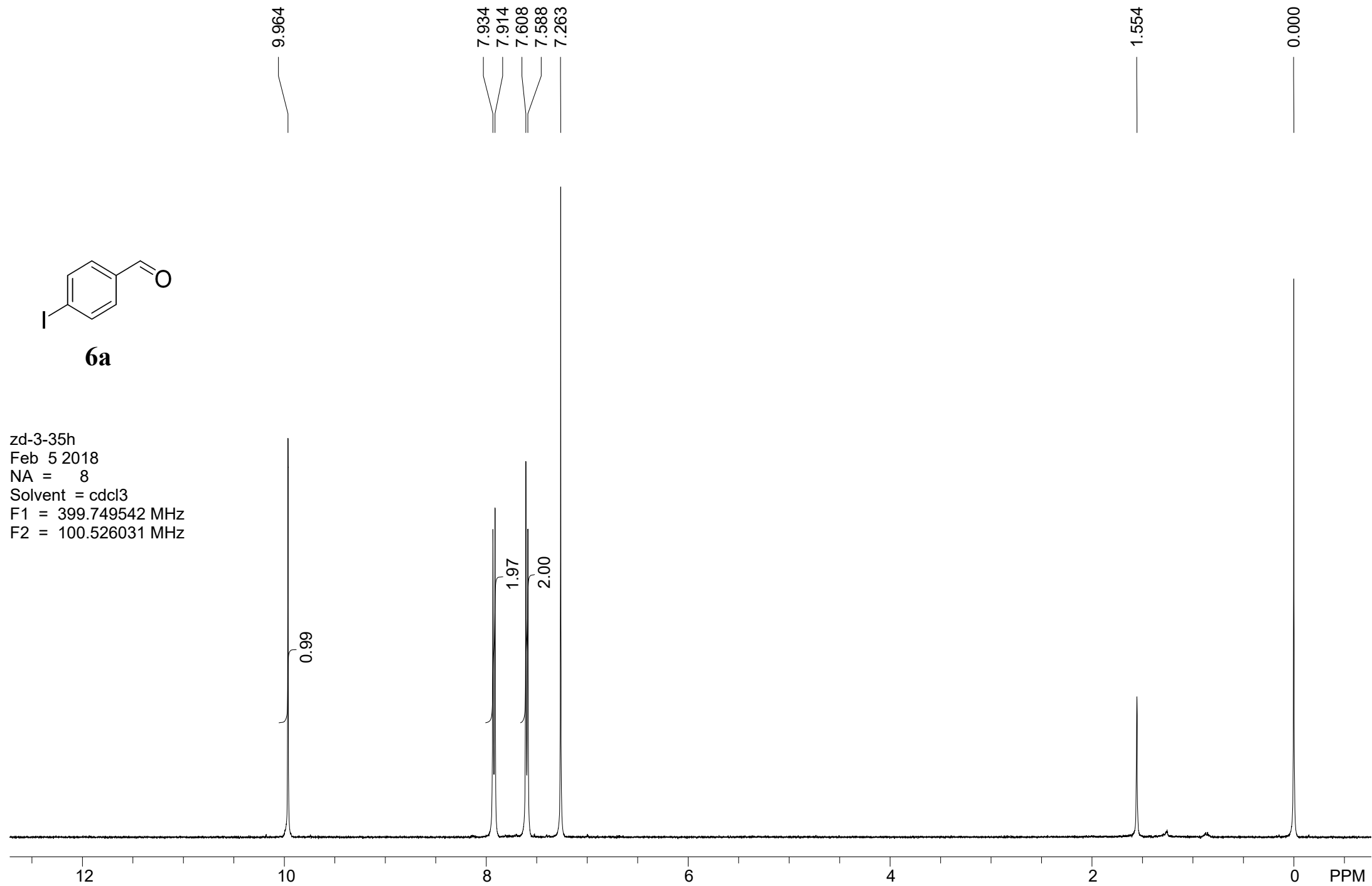
zd-4-80c
 Oct 10 2018
 NA = 328
 Solvent = CDCl₃
 F1 = 100.612770 MHz
 F2 = 1.000000 MHz

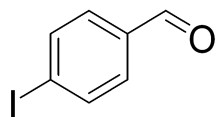




6a

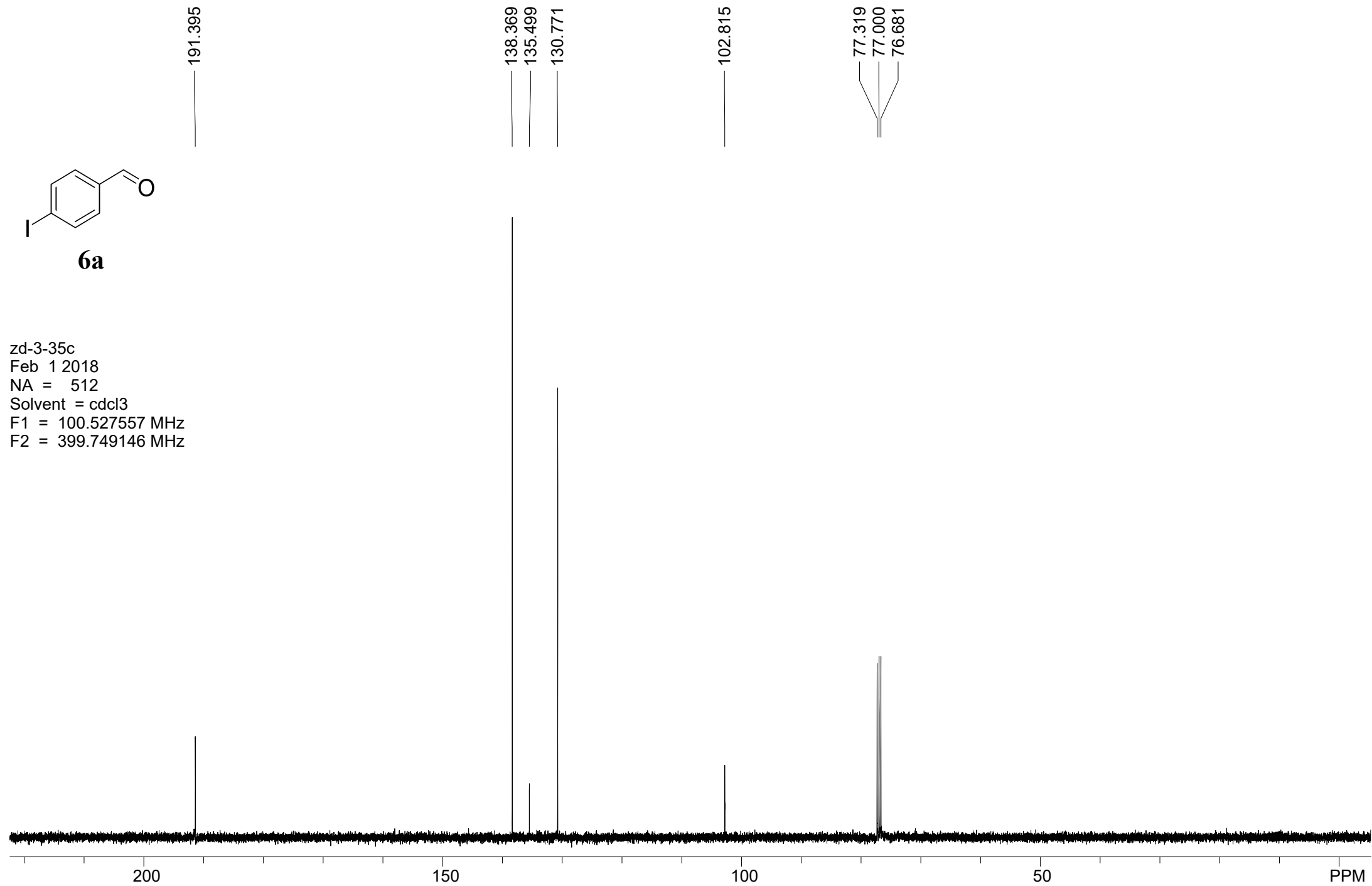
zd-3-35h
Feb 5 2018
NA = 8
Solvent = cdcl3
F1 = 399.749542 MHz
F2 = 100.526031 MHz

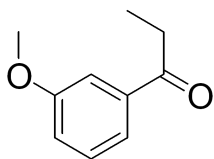




6a

zd-3-35c
Feb 1 2018
NA = 512
Solvent = cdcl3
F1 = 100.527557 MHz
F2 = 399.749146 MHz





6b

zd-4-84h
 Oct 11 2018
 NA = 8
 Solvent = CDCl₃
 F1 = 400.130005 MHz
 F2 = 1.000000 MHz

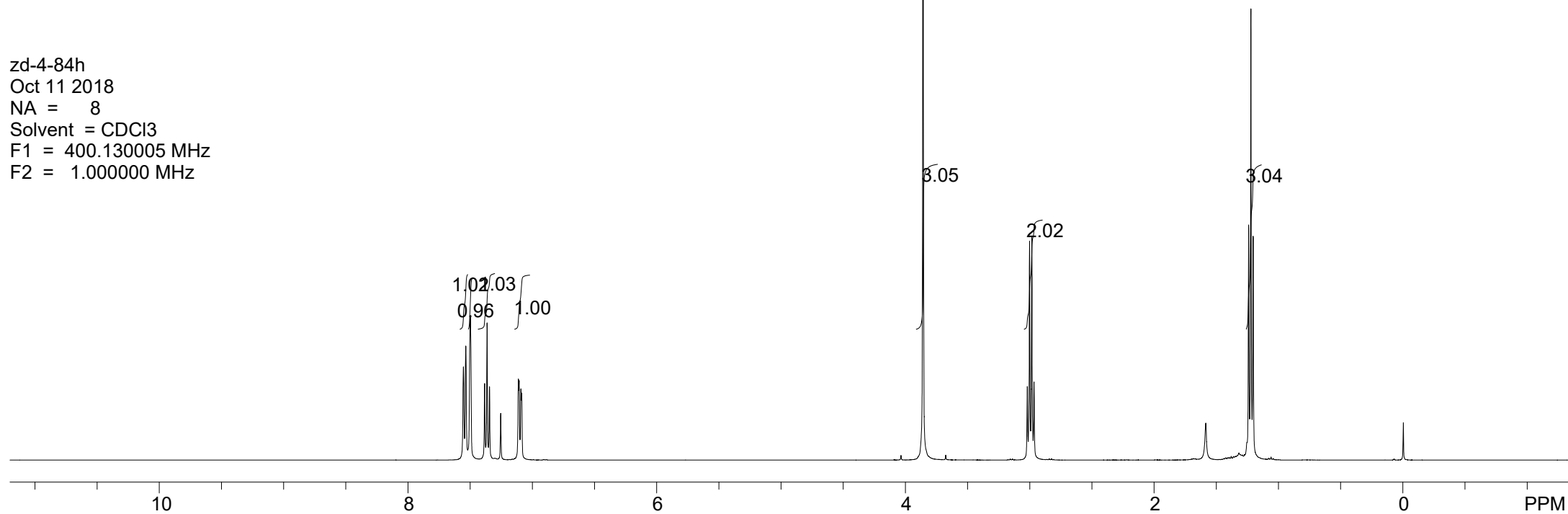
7.554
 7.535
 7.498
 7.383
 7.364
 7.344
 7.254
 7.112
 7.106
 7.091
 7.085

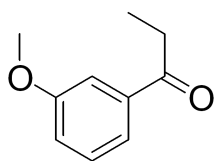
3.857

3.020
 3.001
 2.983
 2.965

1.586
 1.242
 1.224
 1.206

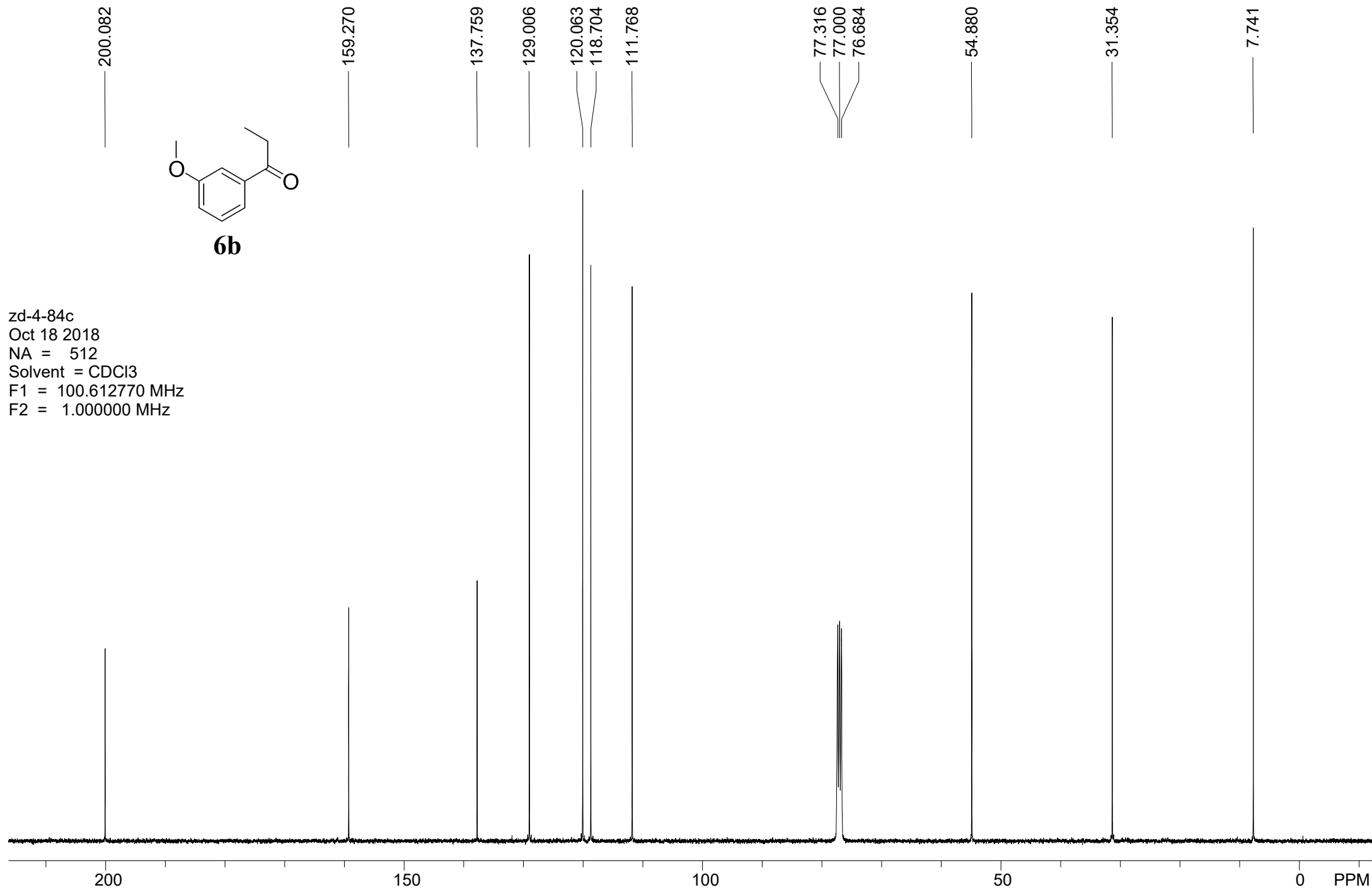
-0.000

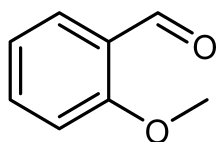




6b

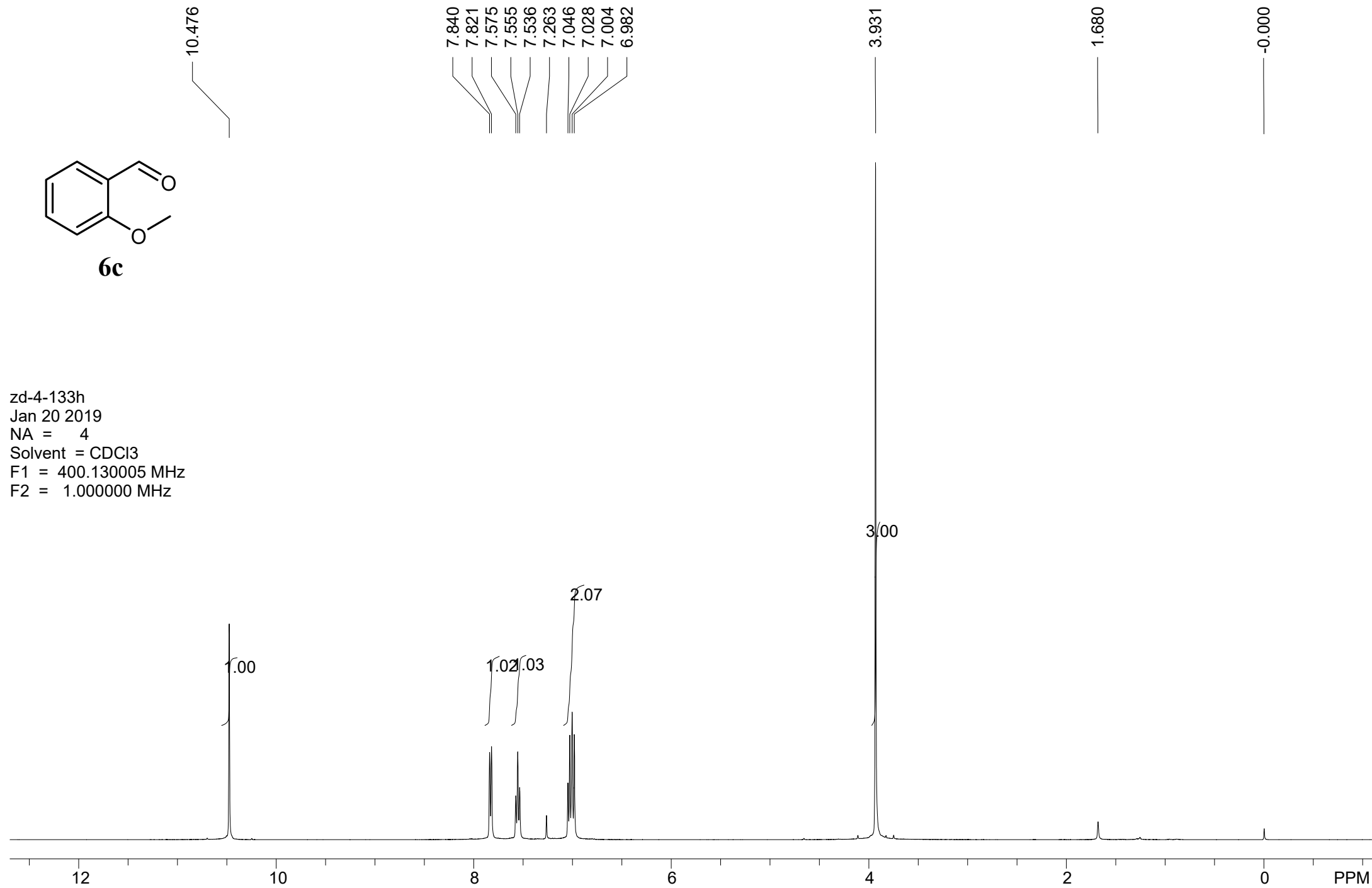
zd-4-84c
Oct 18 2018
NA = 512
Solvent = CDCl₃
F1 = 100.612770 MHz
F2 = 1.000000 MHz

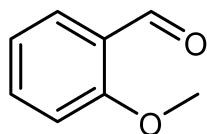




6c

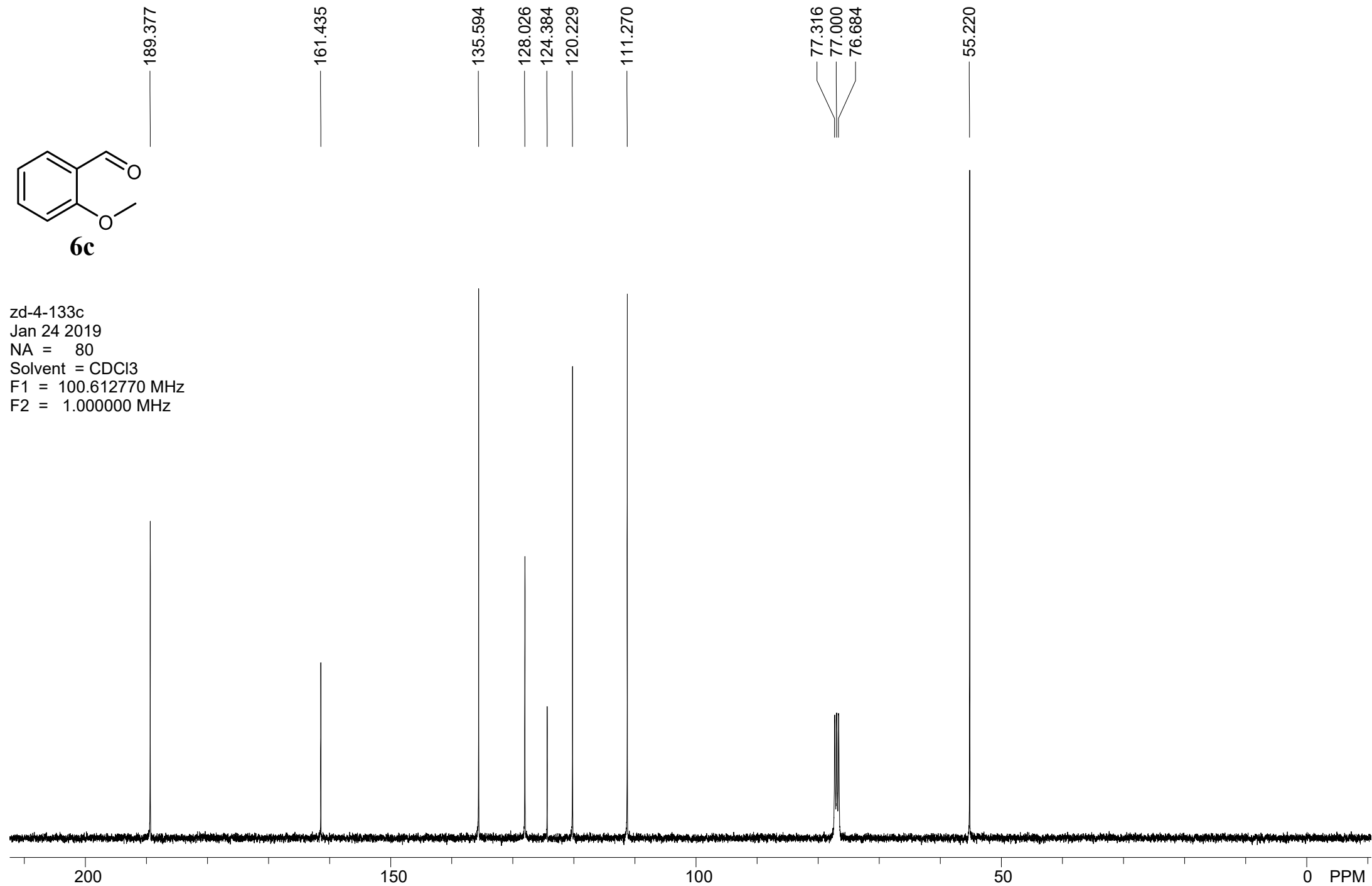
zd-4-133h
 Jan 20 2019
 NA = 4
 Solvent = CDCl₃
 F1 = 400.130005 MHz
 F2 = 1.000000 MHz





6c

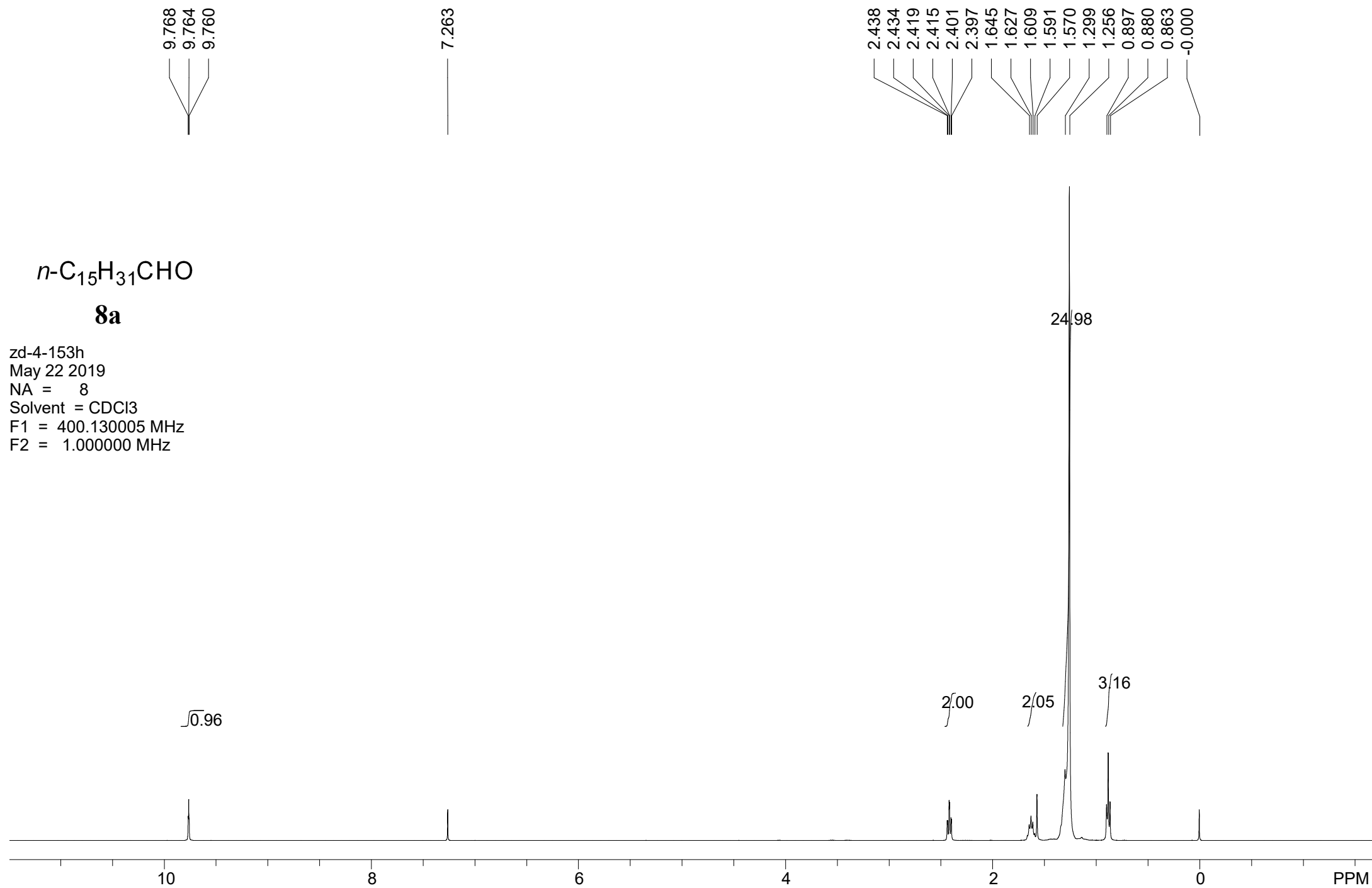
zd-4-133c
Jan 24 2019
NA = 80
Solvent = CDCl₃
F1 = 100.612770 MHz
F2 = 1.000000 MHz



n-C₁₅H₃₁CHO

8a

zd-4-153h
May 22 2019
NA = 8
Solvent = CDCl₃
F1 = 400.130005 MHz
F2 = 1.000000 MHz



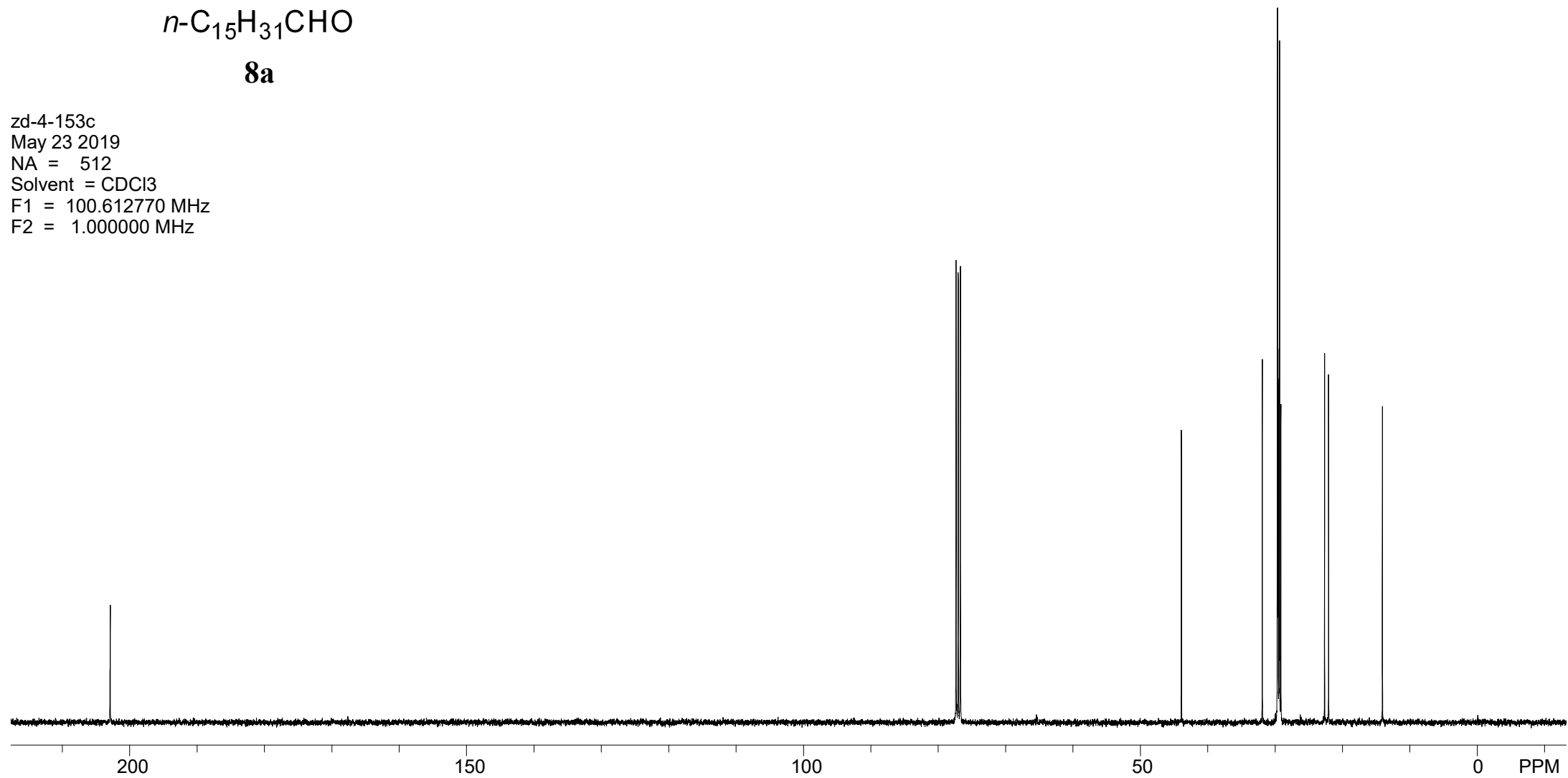
202.879

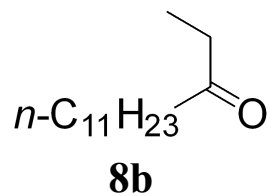
$n\text{-C}_{15}\text{H}_{31}\text{CHO}$
8a

zd-4-153c
May 23 2019
NA = 512
Solvent = CDCl₃
F1 = 100.612770 MHz
F2 = 1.000000 MHz

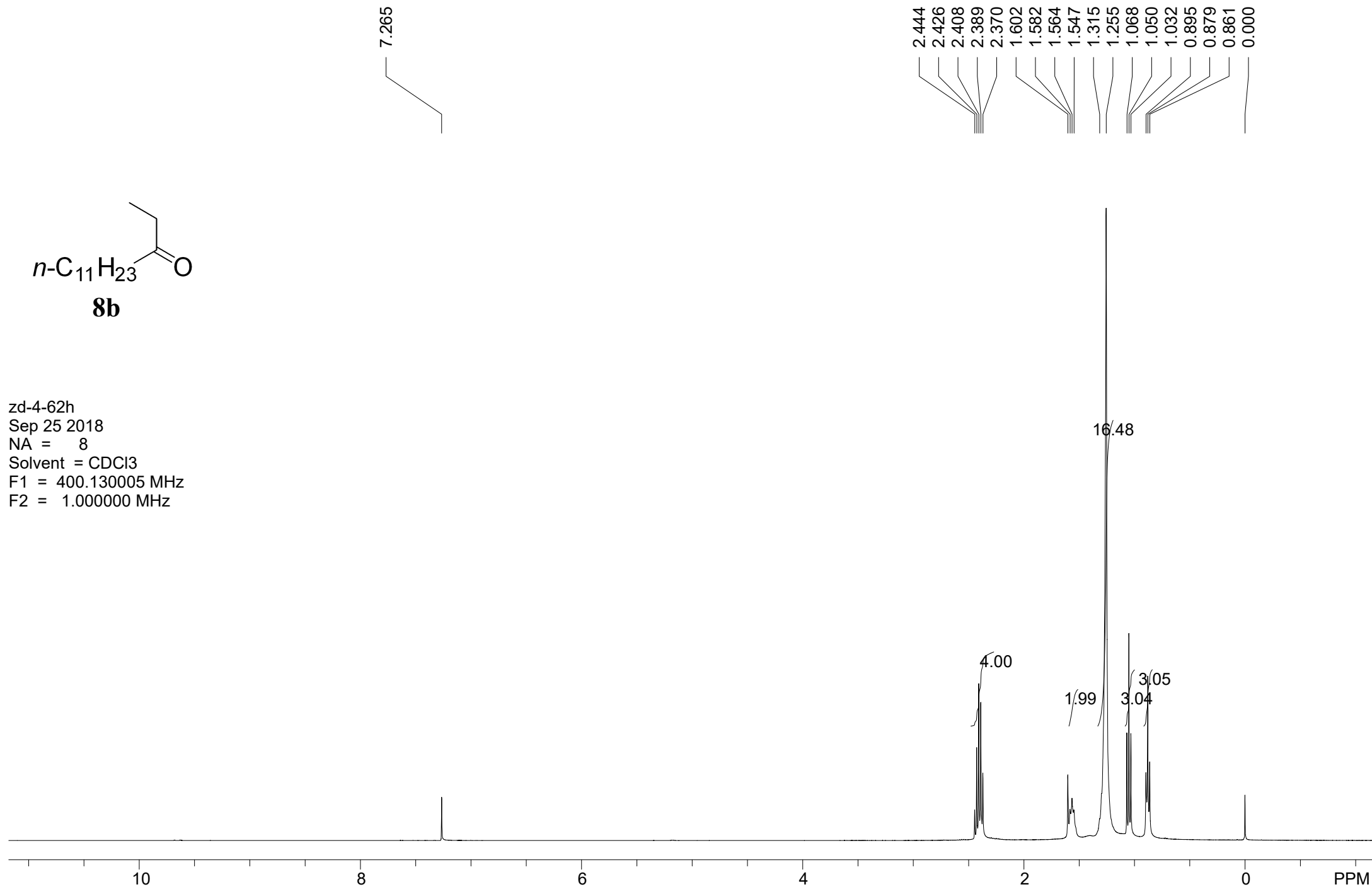
77.316
77.000
76.676

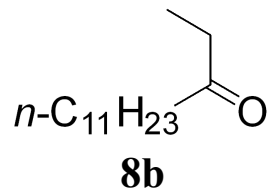
43.891
31.891
29.647
29.632
29.553
29.395
29.324
29.134
22.656
22.056
14.069



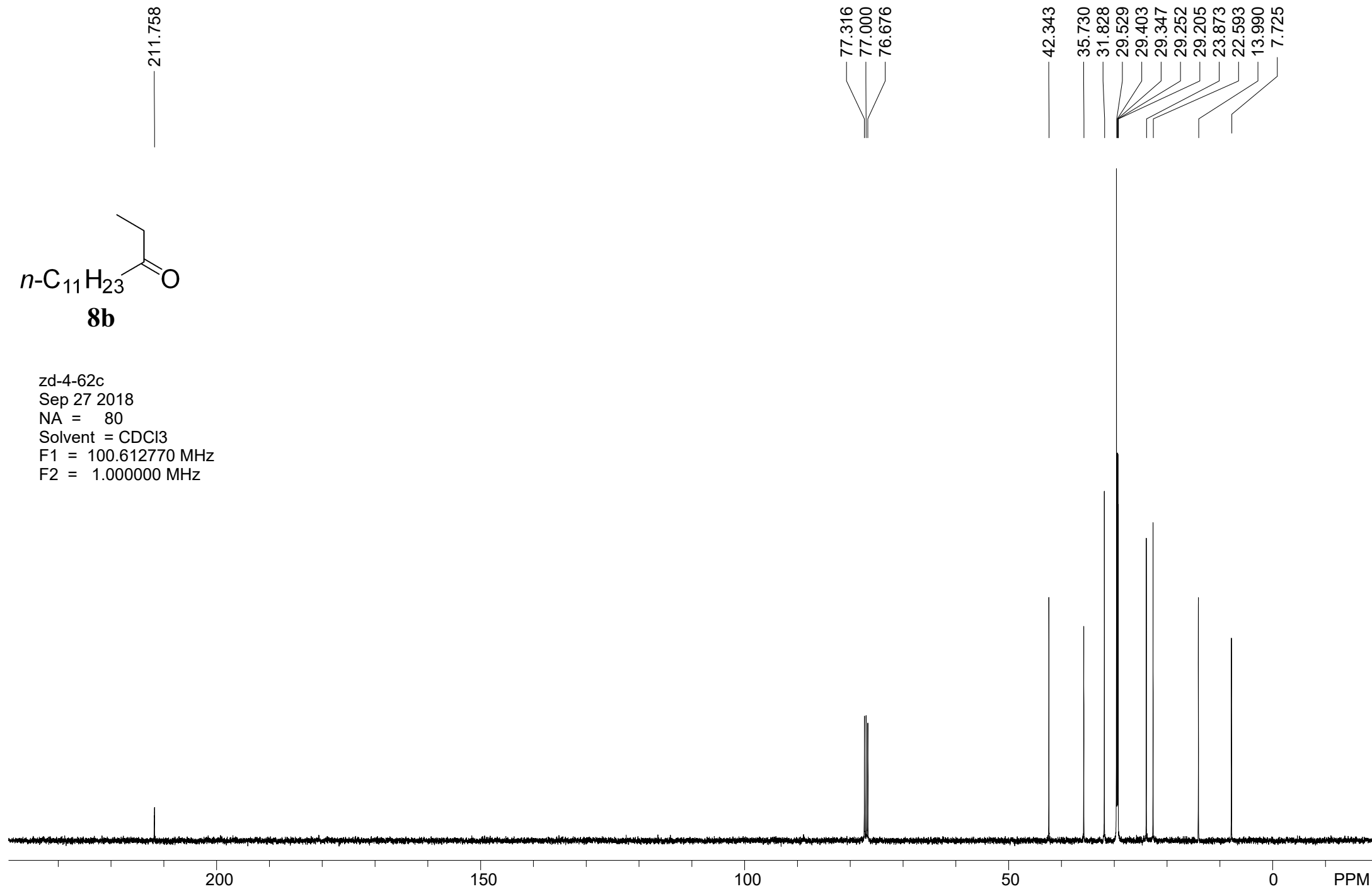


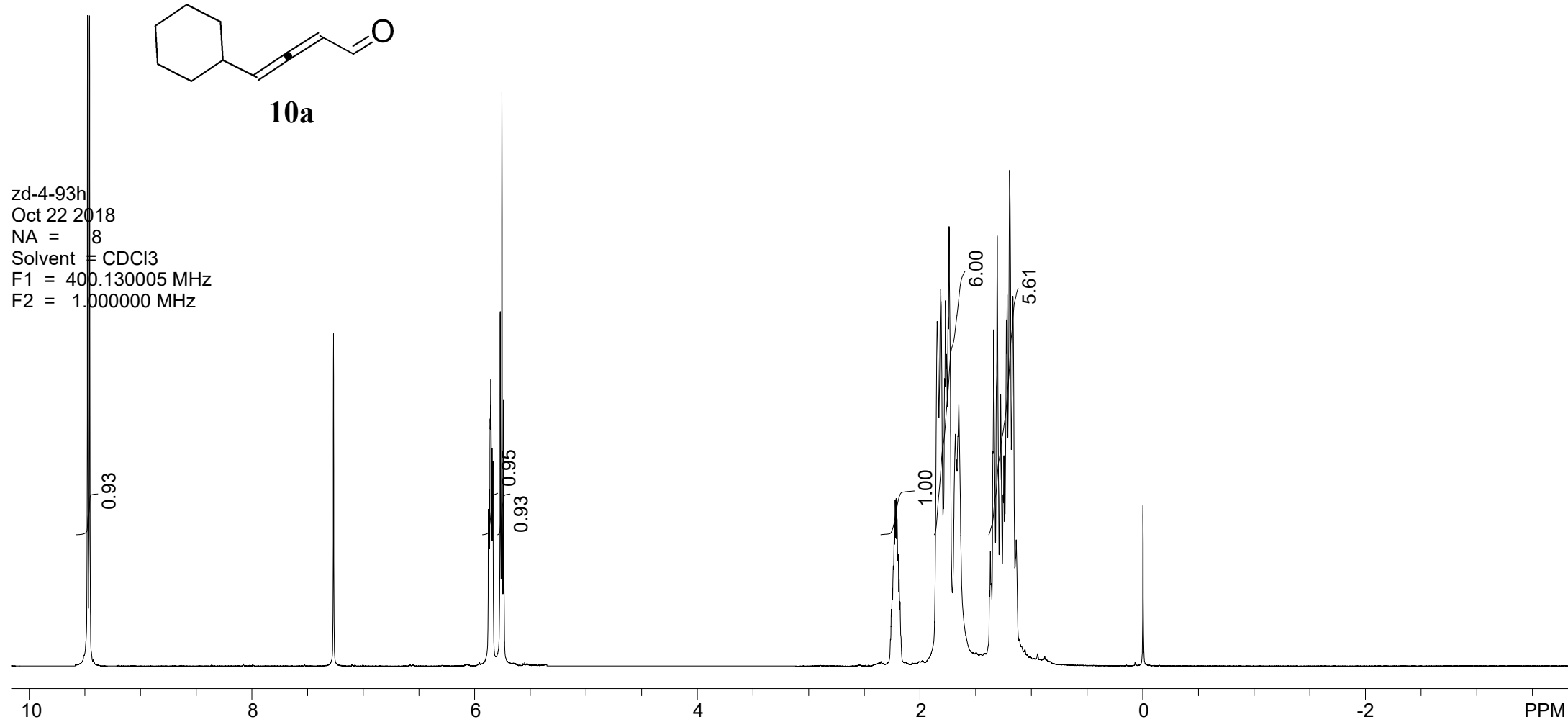
zd-4-62h
 Sep 25 2018
 NA = 8
 Solvent = CDCl3
 F1 = 400.130005 MHz
 F2 = 1.000000 MHz

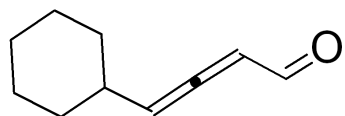




zd-4-62c
 Sep 27 2018
 NA = 80
 Solvent = CDCl₃
 F1 = 100.612770 MHz
 F2 = 1.000000 MHz







10a

zd-4-93c
Oct 24 2018
NA = 61
Solvent = CDCl₃
F1 = 100.612770 MHz
F2 = 1.000000 MHz

218.505

192.253

101.980

99.420

77.316

77.000

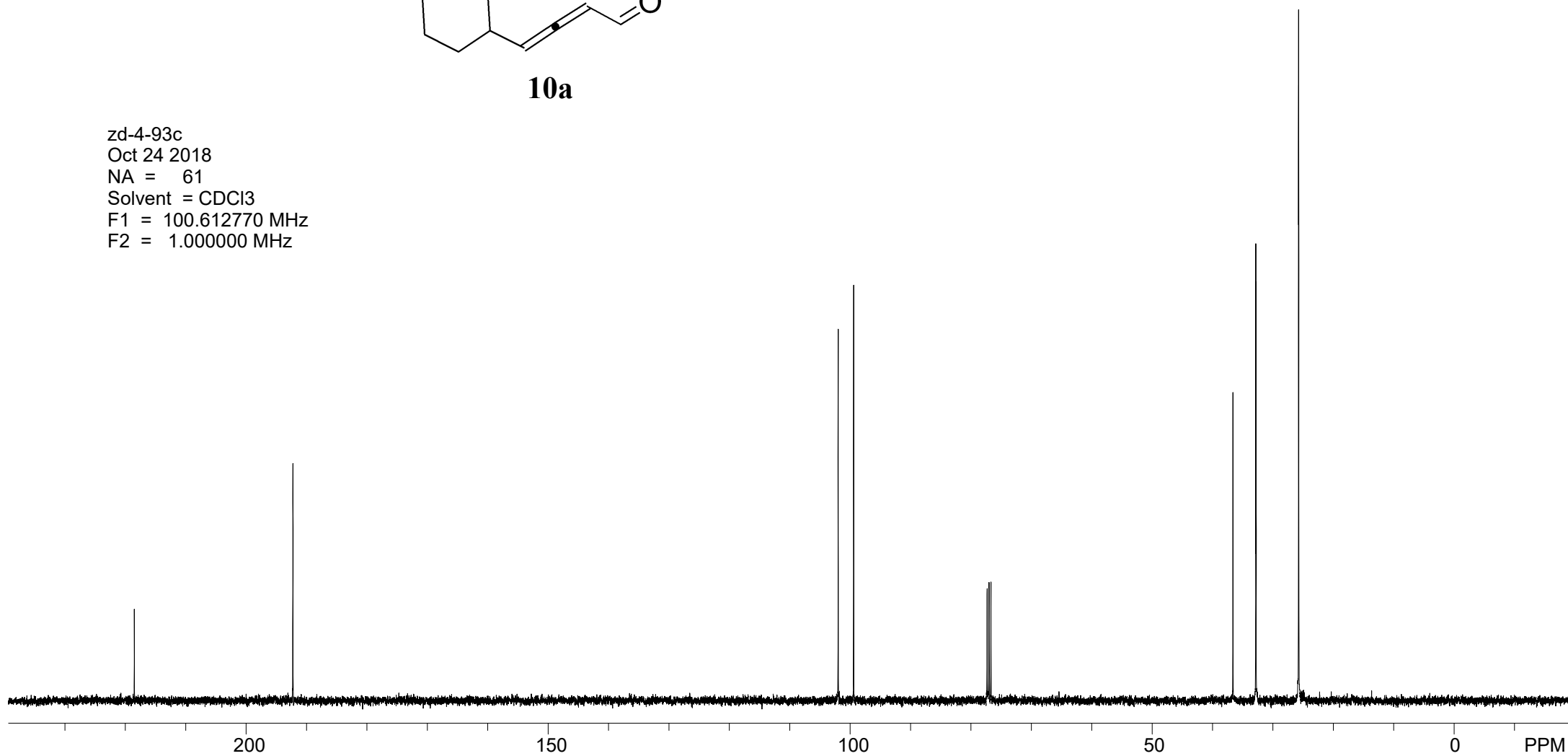
76.684

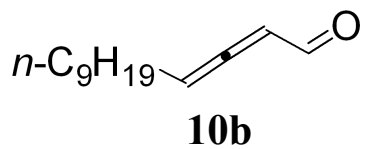
36.576

32.792

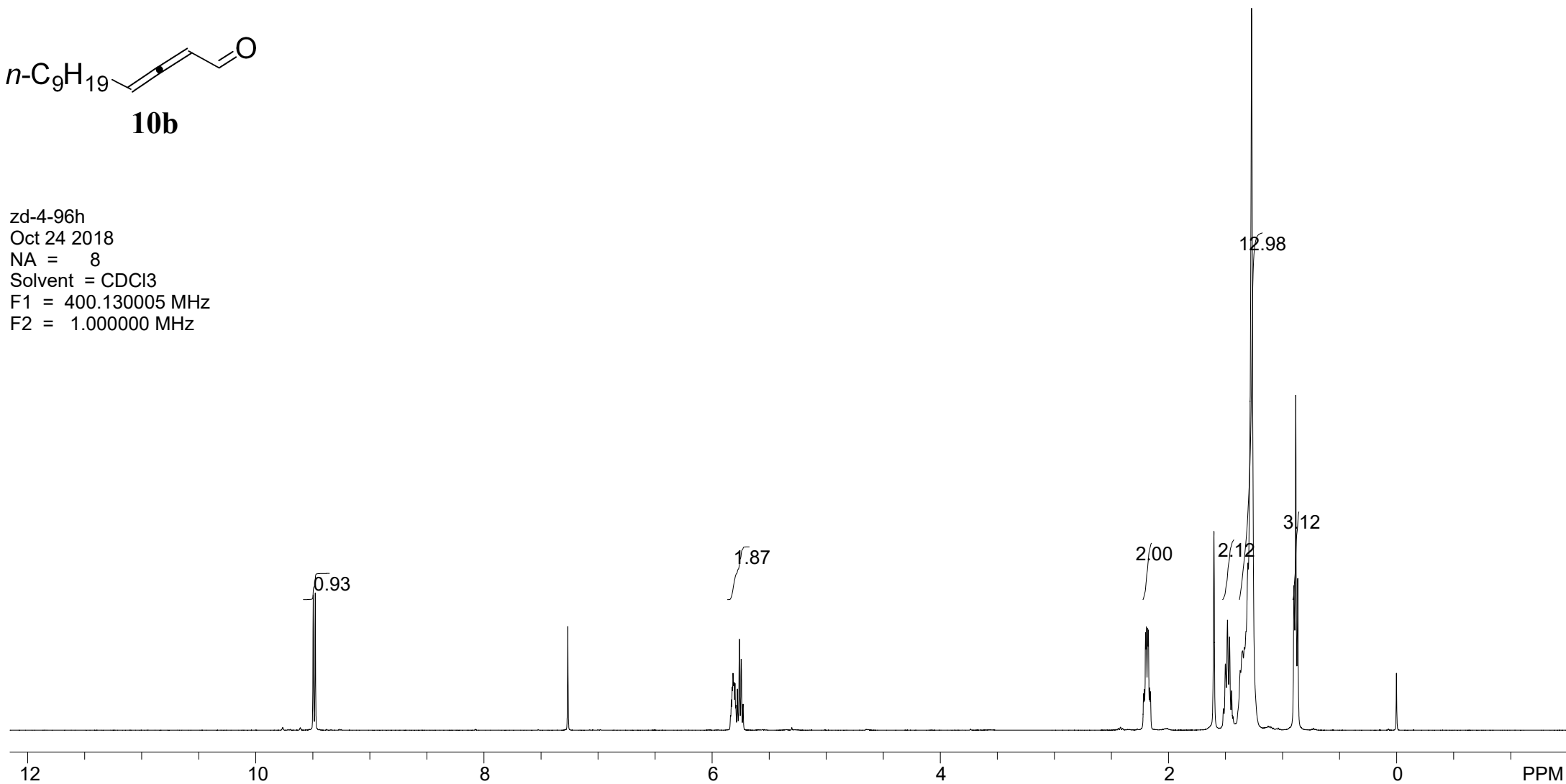
32.744

25.697





zd-4-96h
 Oct 24 2018
 NA = 8
 Solvent = CDCl₃
 F1 = 400.130005 MHz
 F2 = 1.000000 MHz



219.105

192.300

98.567

96.292

77.316

77.000

76.684

31.804

29.450

29.245

29.213

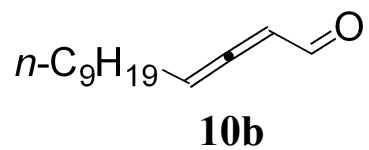
28.889

28.778

27.428

22.601

14.029



zd-4-96c

Oct 24 2018

NA = 125

Solvent = CDCl₃

F1 = 100.612770 MHz

F2 = 1.000000 MHz

200

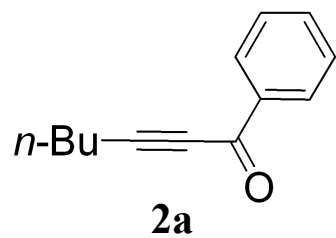
150

100

50

0

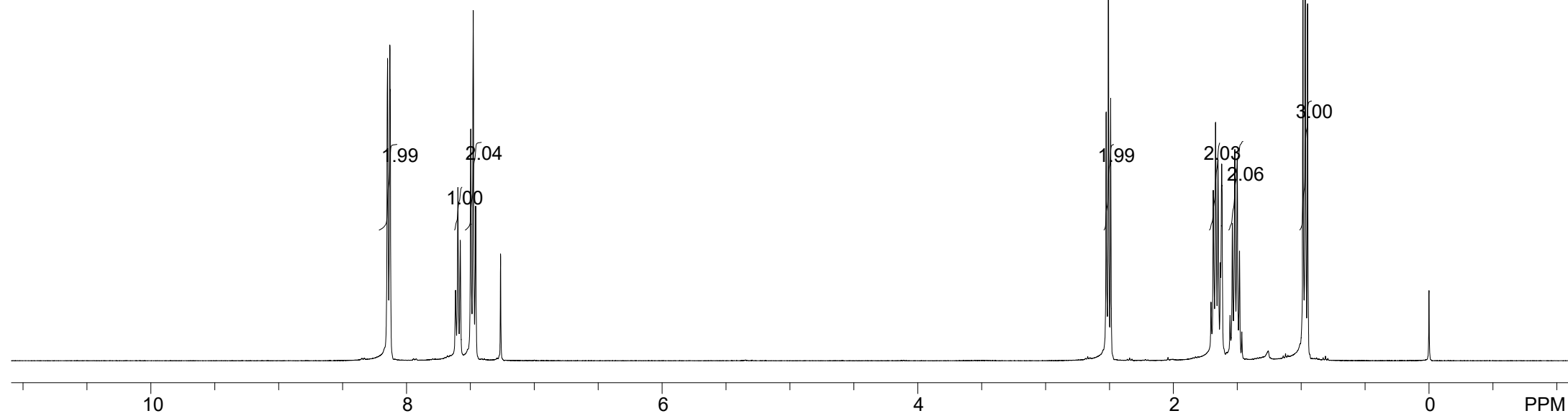
PPM

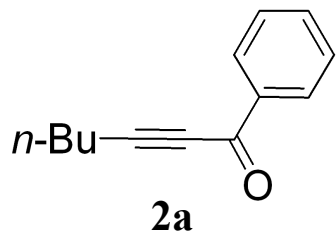


zd-4-35h
 Jul 19 2018
 NA = 4
 Solvent = CDCl₃
 F1 = 400.130005 MHz
 F2 = 1.000000 MHz

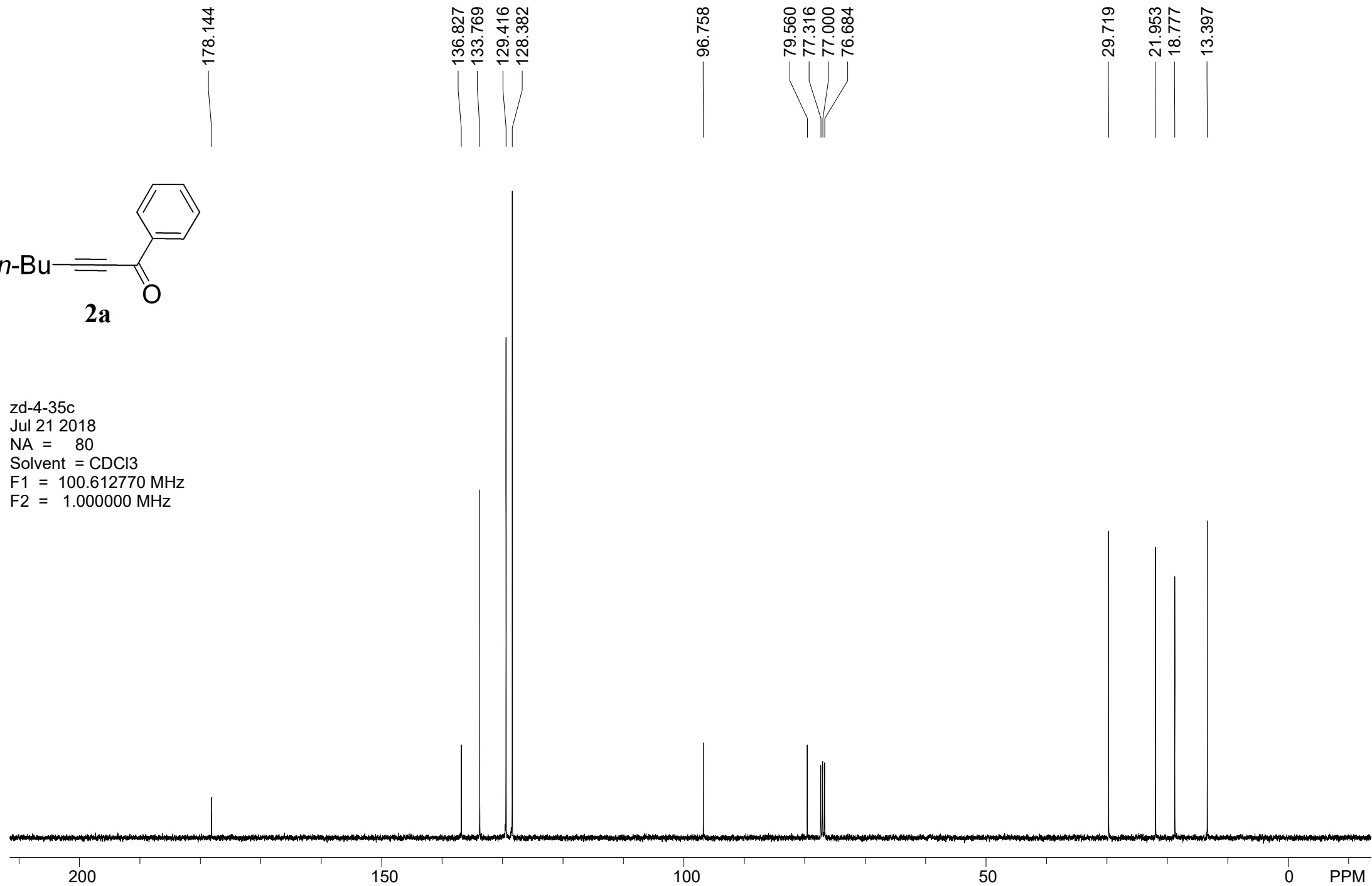
8.148
 8.130
 7.616
 7.598
 7.579
 7.497
 7.478
 7.459
 7.264

2.527
 2.510
 2.492
 1.706
 1.689
 1.671
 1.652
 1.633
 1.623
 1.557
 1.539
 1.520
 1.501
 1.483
 1.465
 0.987
 0.969
 0.950
 -0.000

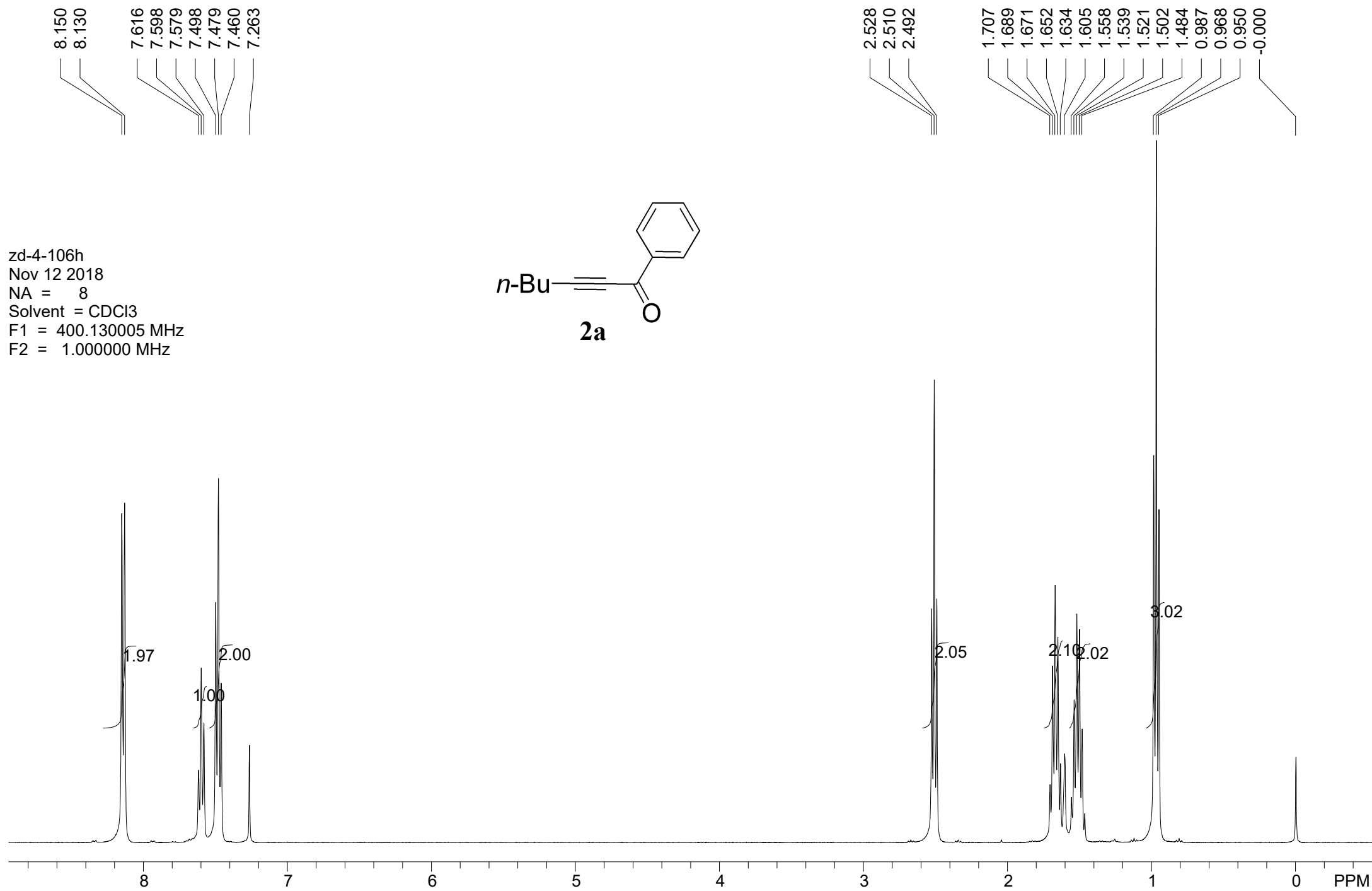
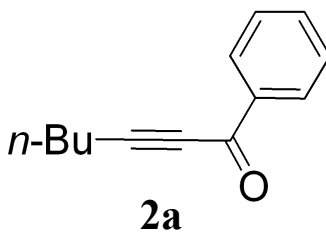


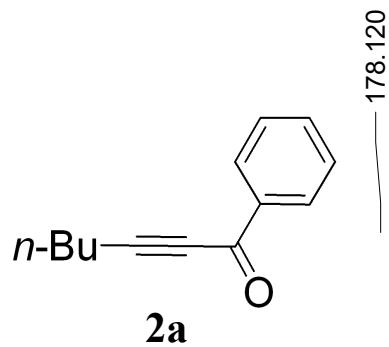


zd-4-35c
 Jul 21 2018
 NA = 80
 Solvent = CDCl₃
 F1 = 100.612770 MHz
 F2 = 1.000000 MHz

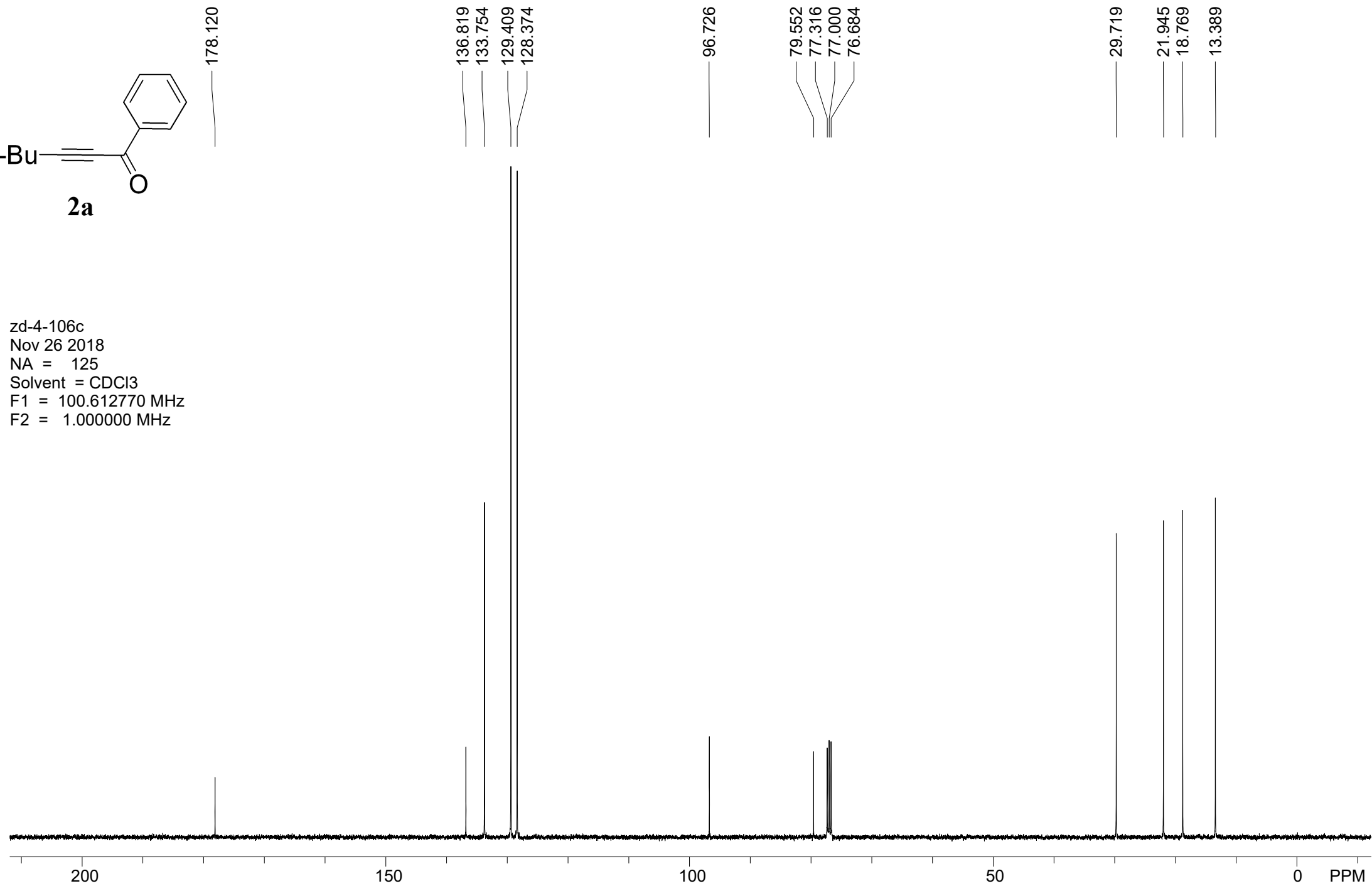


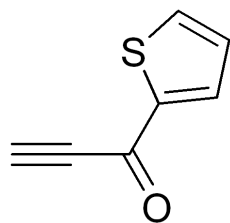
zd-4-106h
Nov 12 2018
NA = 8
Solvent = CDCl₃
F1 = 400.130005 MHz
F2 = 1.000000 MHz





zd-4-106c
Nov 26 2018
NA = 125
Solvent = CDCl₃
F1 = 100.612770 MHz
F2 = 1.000000 MHz





2g

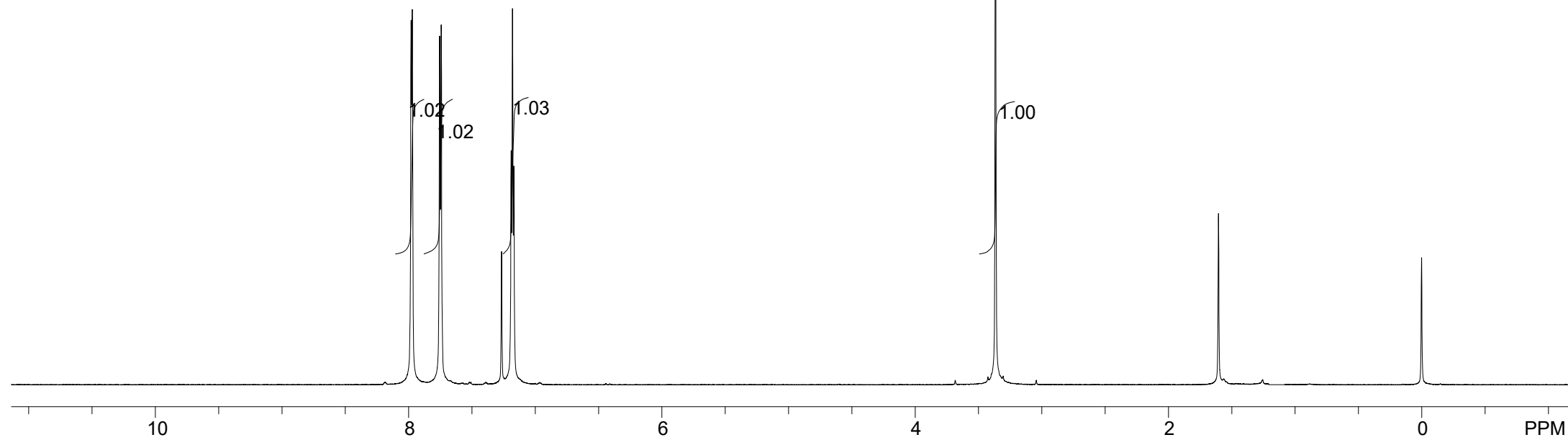
7.980
7.971
7.755
7.743
7.266
7.190
7.180
7.169

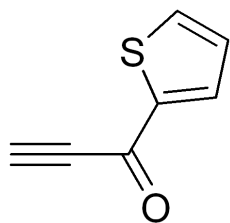
3.364

1.604

-0.000

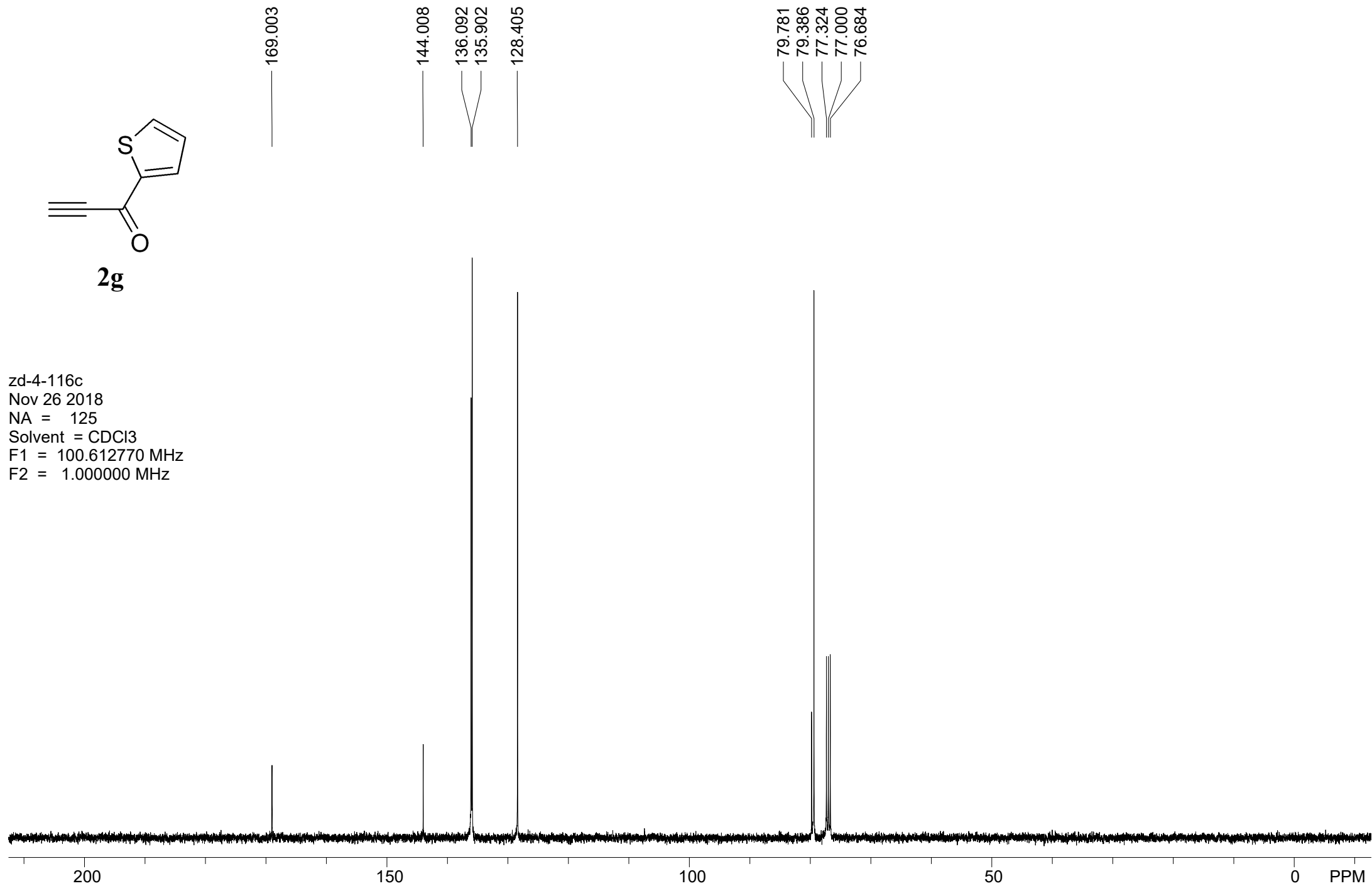
zd-4-116h
Nov 20 2018
NA = 4
Solvent = CDCl₃
F1 = 400.130005 MHz
F2 = 1.000000 MHz

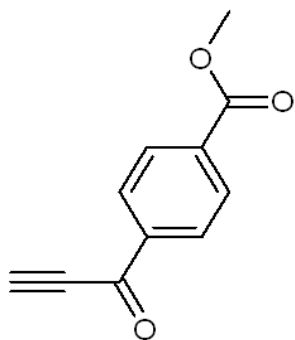




2g

zd-4-116c
Nov 26 2018
NA = 125
Solvent = CDCl₃
F1 = 100.612770 MHz
F2 = 1.000000 MHz





2f

8.230
8.211
8.167
8.148

7.267

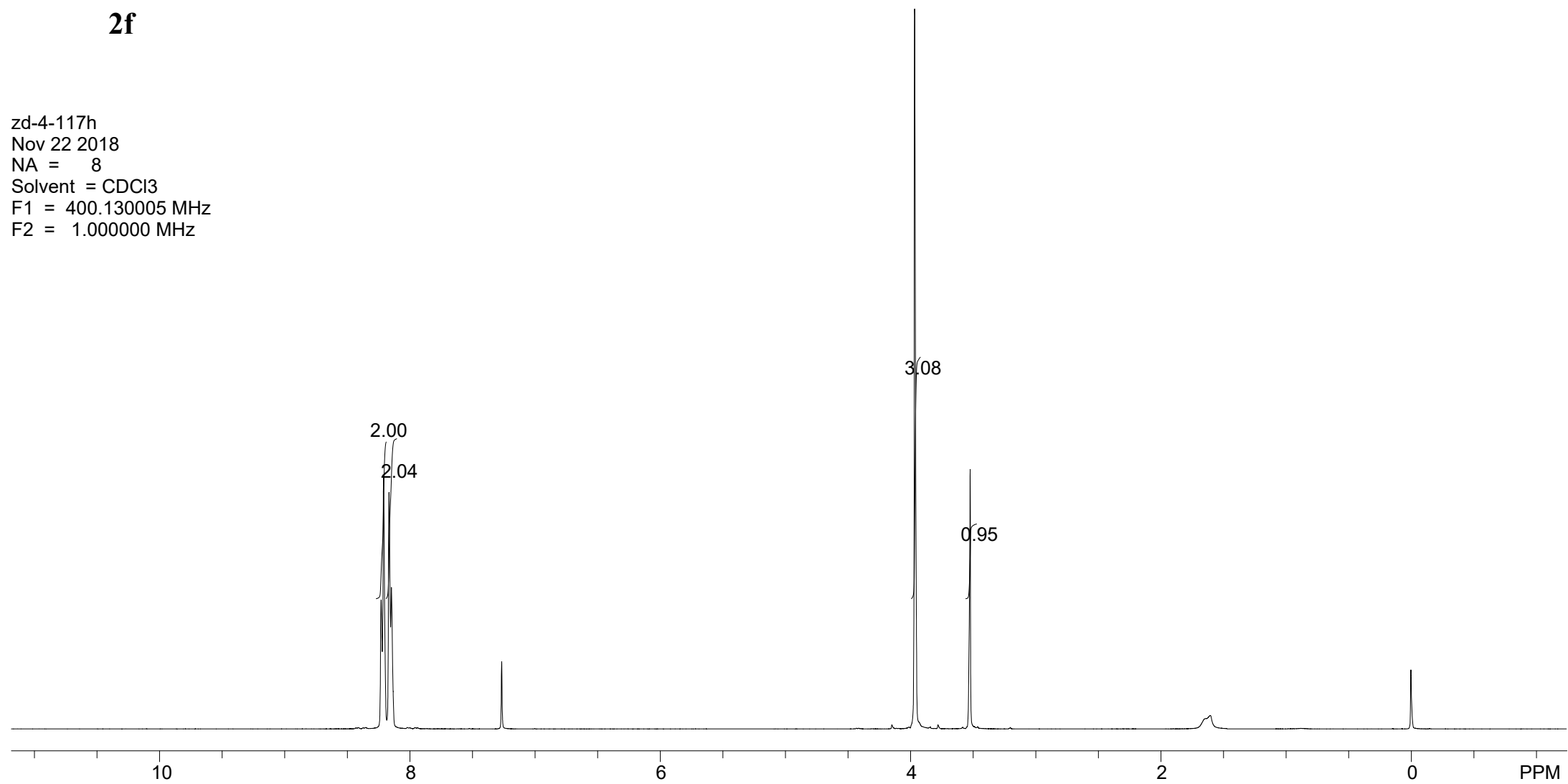
3.966

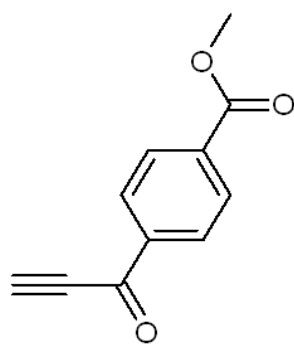
3.522

1.603

-0.000

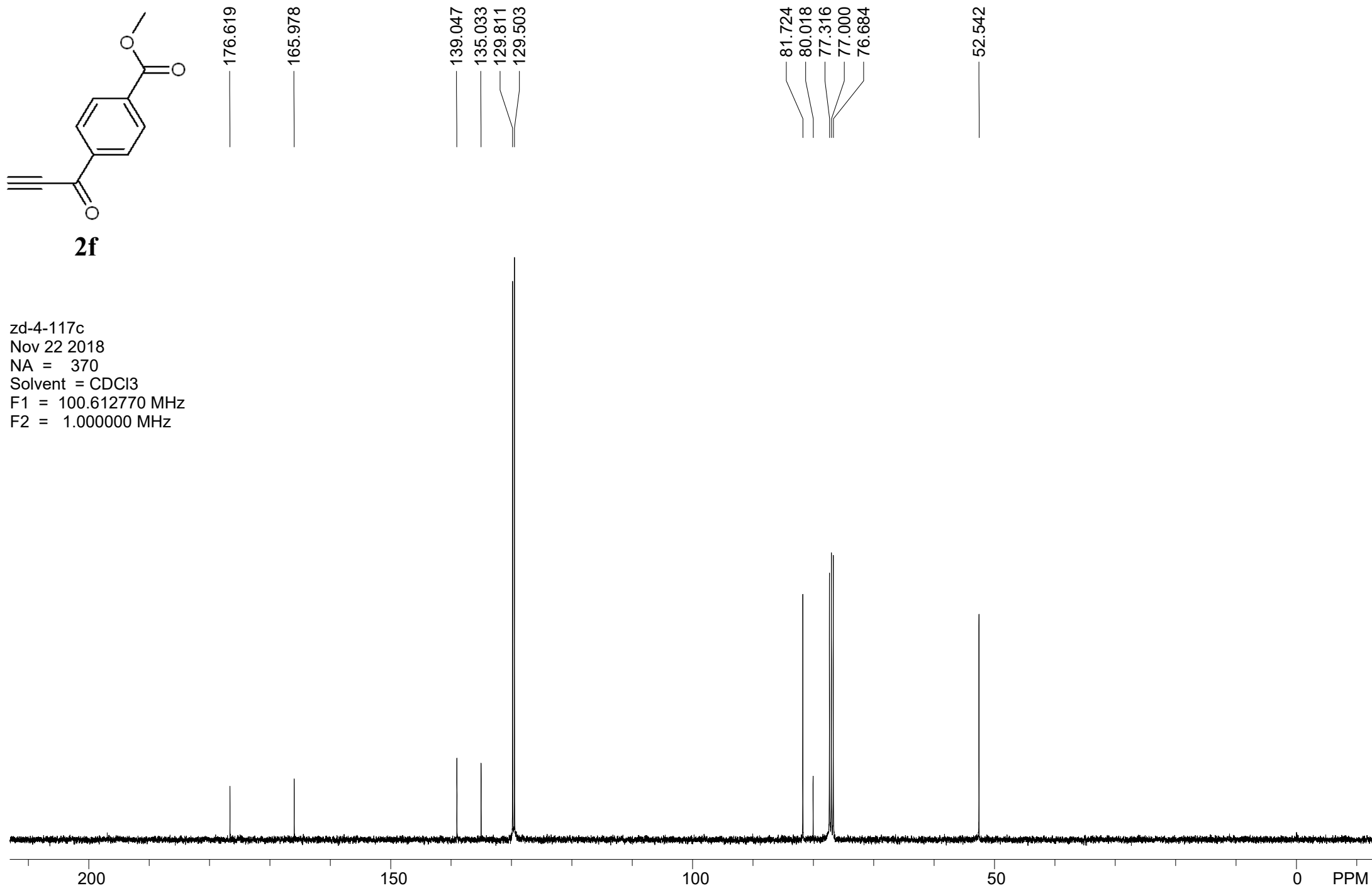
zd-4-117h
Nov 22 2018
NA = 8
Solvent = CDCl3
F1 = 400.130005 MHz
F2 = 1.000000 MHz

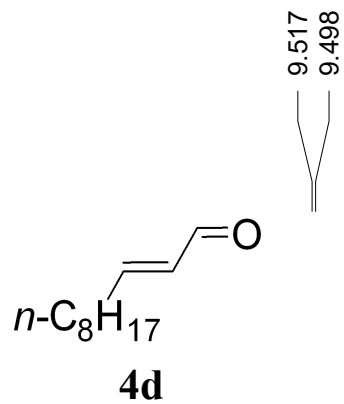




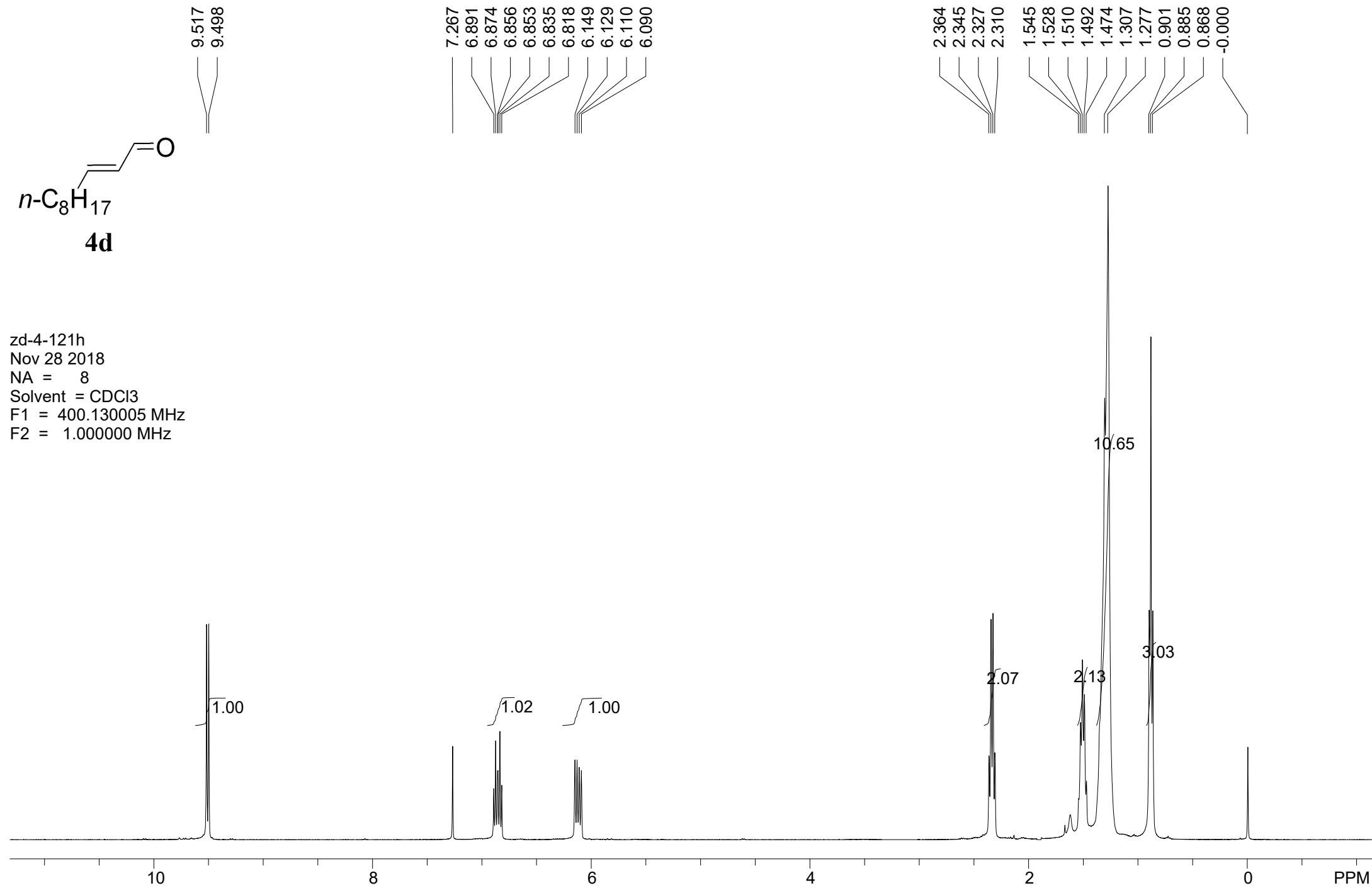
2f

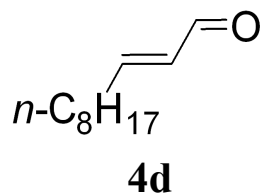
zd-4-117c
 Nov 22 2018
 NA = 370
 Solvent = CDCl₃
 F1 = 100.612770 MHz
 F2 = 1.000000 MHz



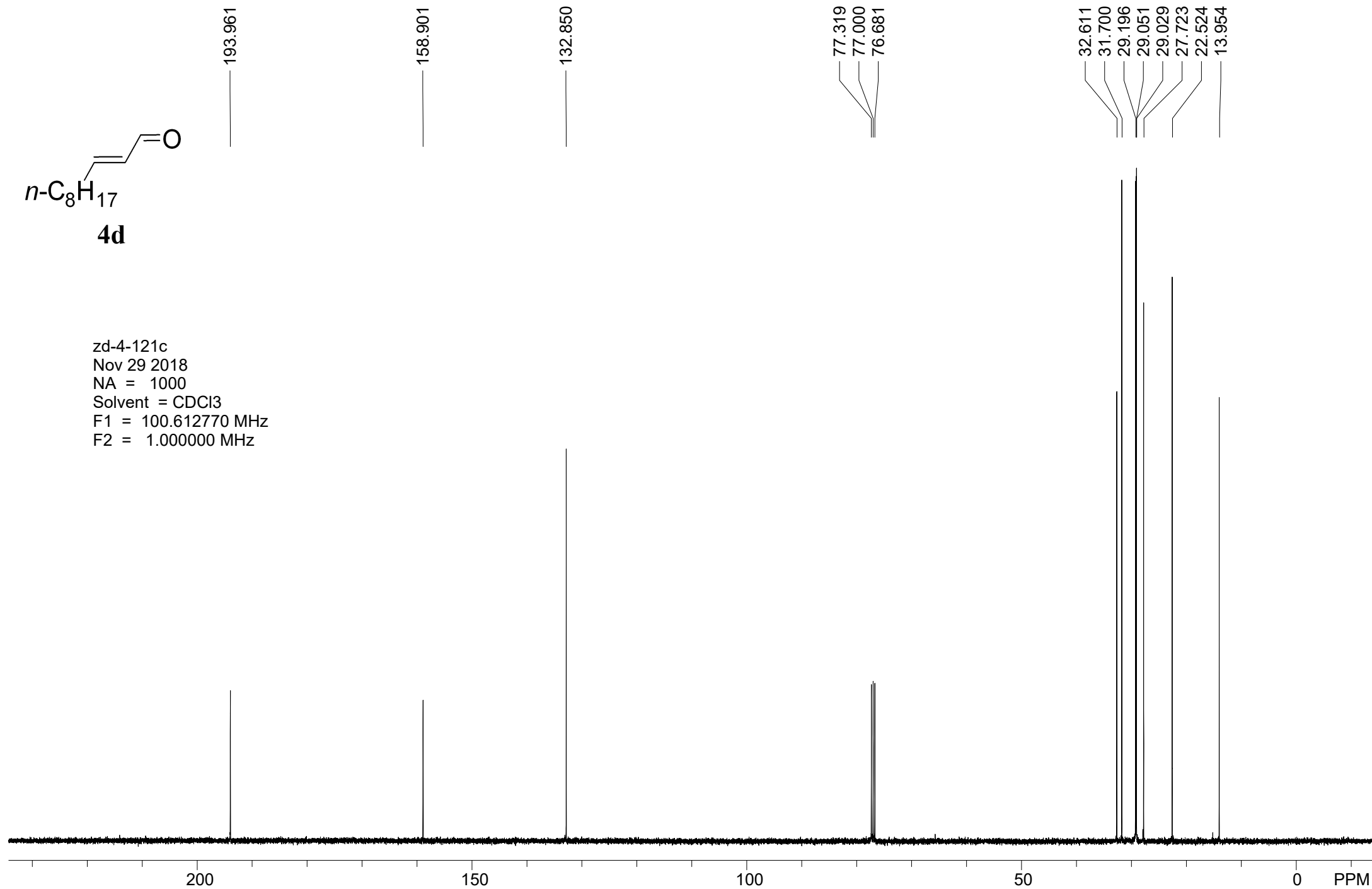


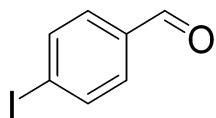
zd-4-121h
 Nov 28 2018
 NA = 8
 Solvent = CDCl₃
 F1 = 400.130005 MHz
 F2 = 1.000000 MHz





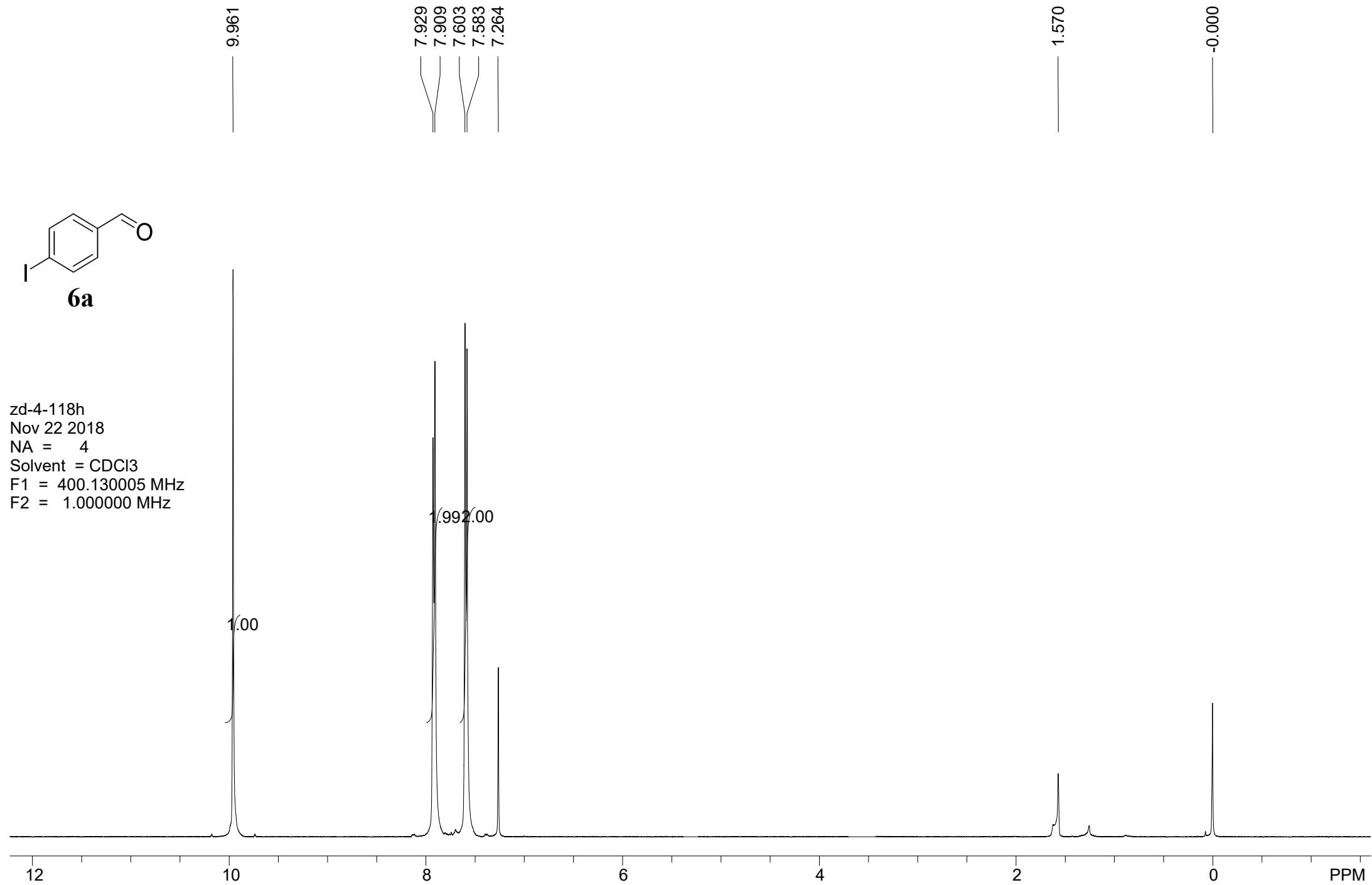
zd-4-121c
Nov 29 2018
NA = 1000
Solvent = CDCl₃
F1 = 100.612770 MHz
F2 = 1.000000 MHz

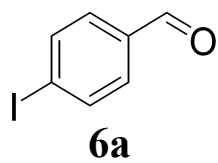




6a

zd-4-118h
Nov 22 2018
NA = 4
Solvent = CDCl₃
F1 = 400.130005 MHz
F2 = 1.000000 MHz





zd-4-118c
Nov 22 2018
NA = 256
Solvent = CDCl₃
F1 = 100.612770 MHz
F2 = 1.000000 MHz

