

zc1-264

File: Proton

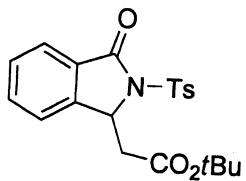
Pulse Sequence: s2pul

Solvent: cdcl3

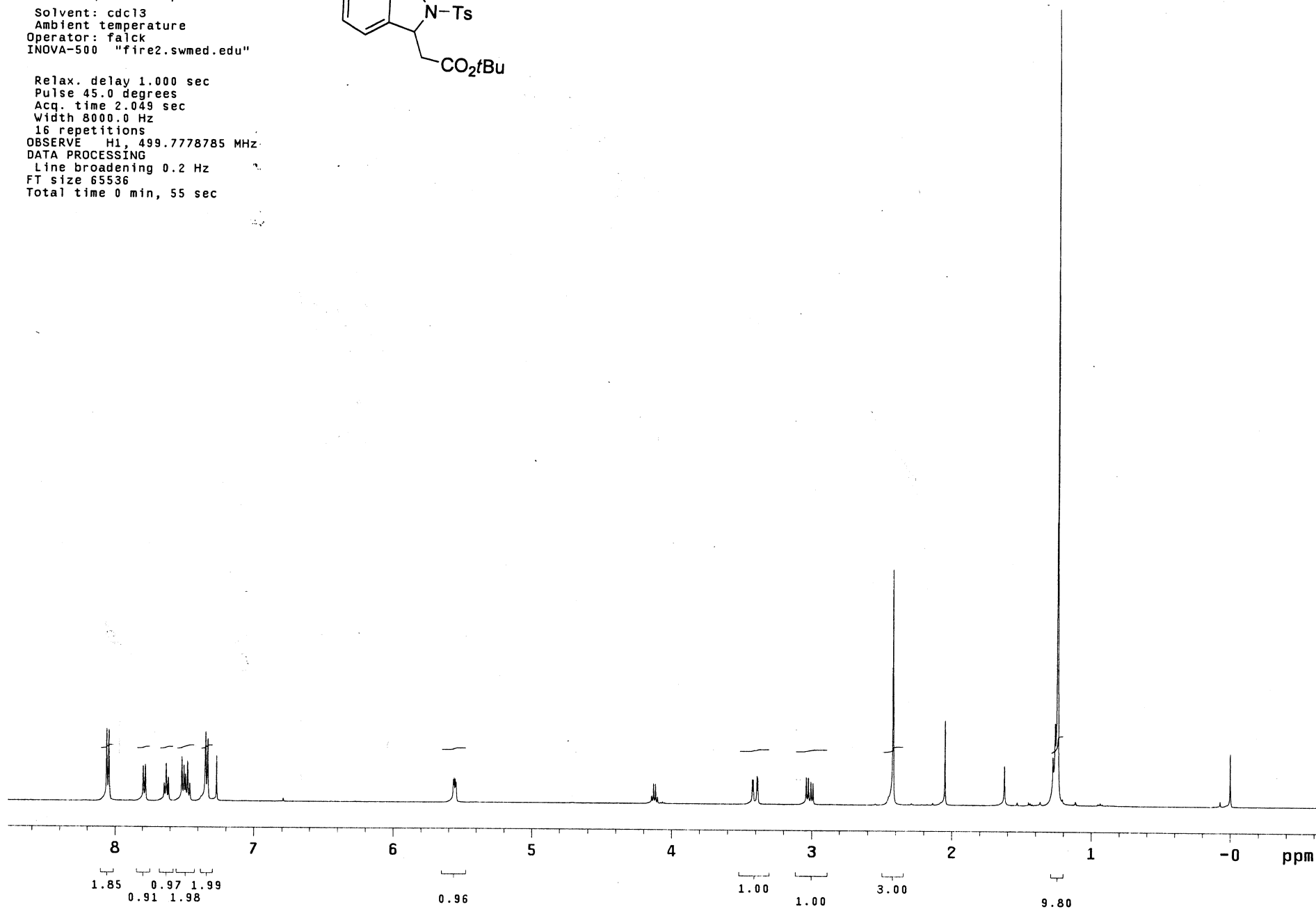
Ambient temperature

Operator: falck

INOVA-500 "fire2.swmed.edu"



Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.049 sec
Width 8000.0 Hz
16 repetitions
OBSERVE H1, 499.7778785 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 0 min, 55 sec



zcl-280carbon

File: Carbon

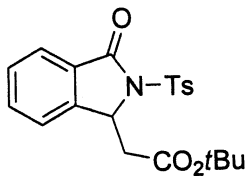
Pulse Sequence: s2pu1

Solvent: cdc13

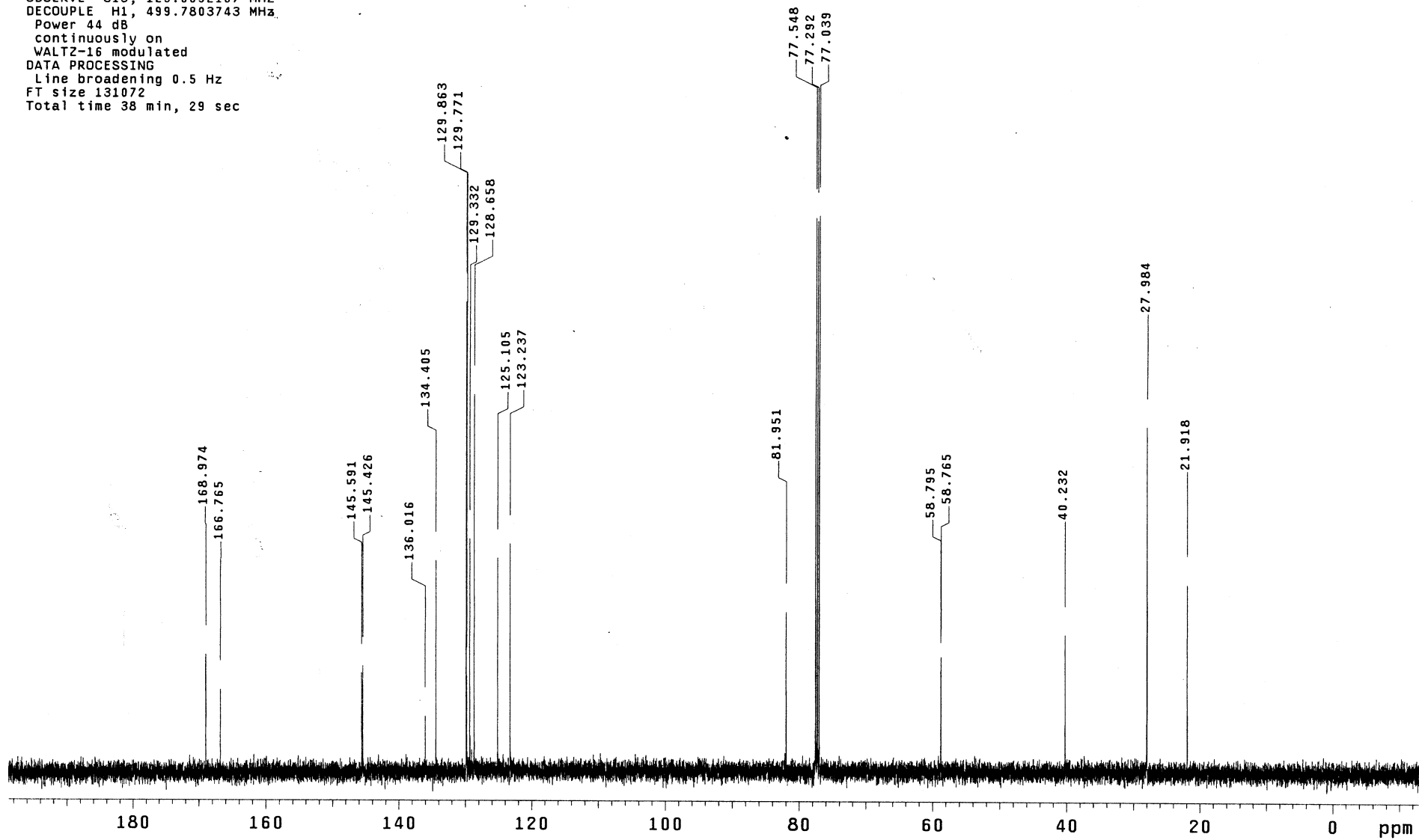
Ambient temperature

Operator: falck

INOVA-500 "fire2.swmed.edu"

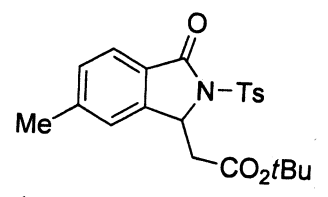


Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.300 sec
Width 30165.9 Hz
232 repetitions
OBSERVE C13, 125.6692167 MHz
DECOUPLE H1, 499.7803743 MHz
Power 44 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 131072
Total time 38 min, 29 sec

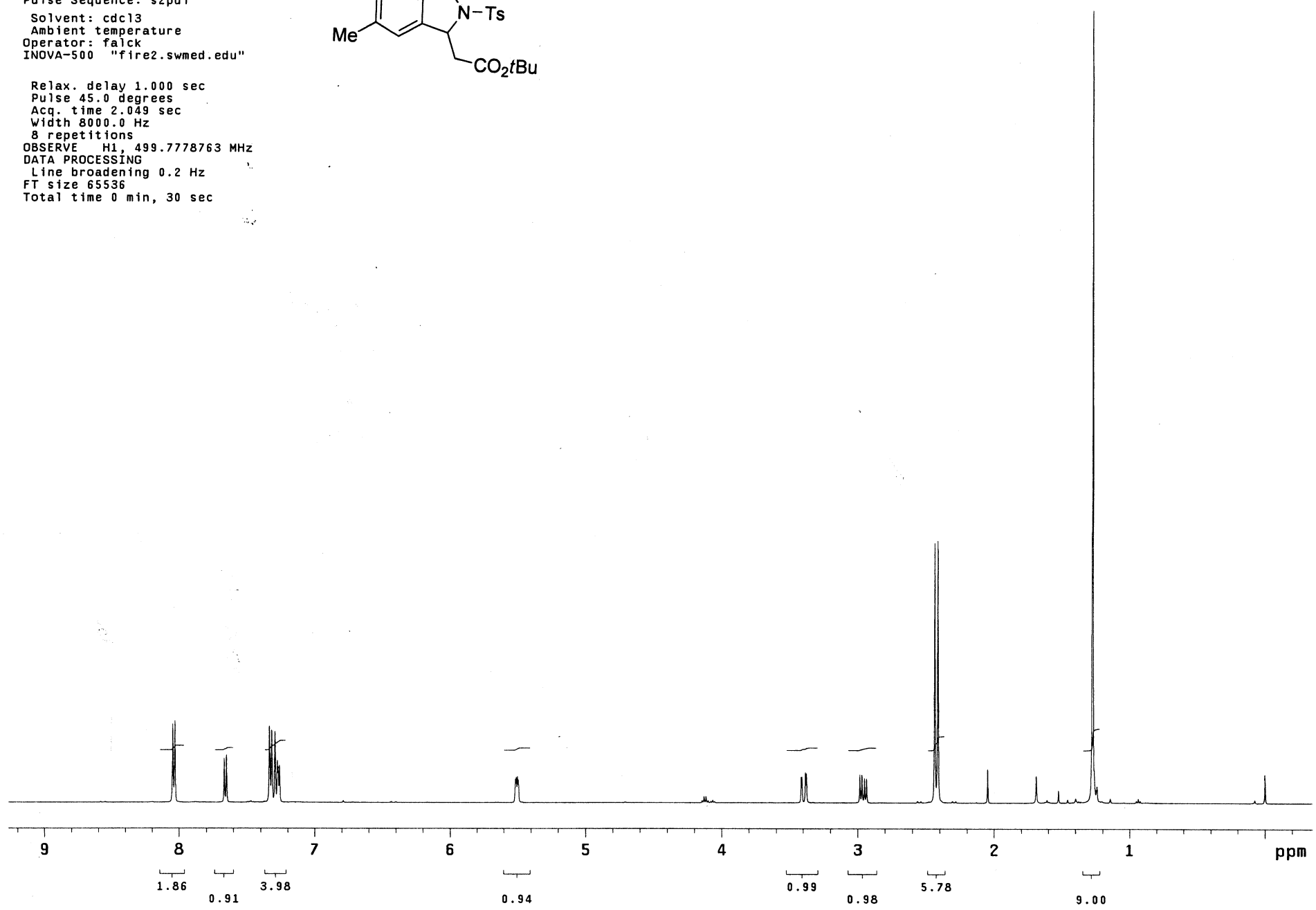


zc2-30

File: Proton
Pulse Sequence: s2pu1
Solvent: cdcl3
Ambient temperature
Operator: falck
INOVA-500 "fire2.swmed.edu"



Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.049 sec
Width 8000.0 Hz
8 repetitions
OBSERVE H1, 499.7778763 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 0 min, 30 sec



zc2-30

File: Carbon

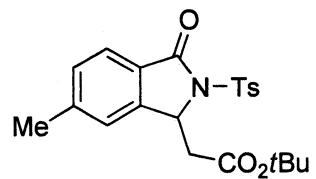
Pulse Sequence: s2pu1

Solvent: cdcl3

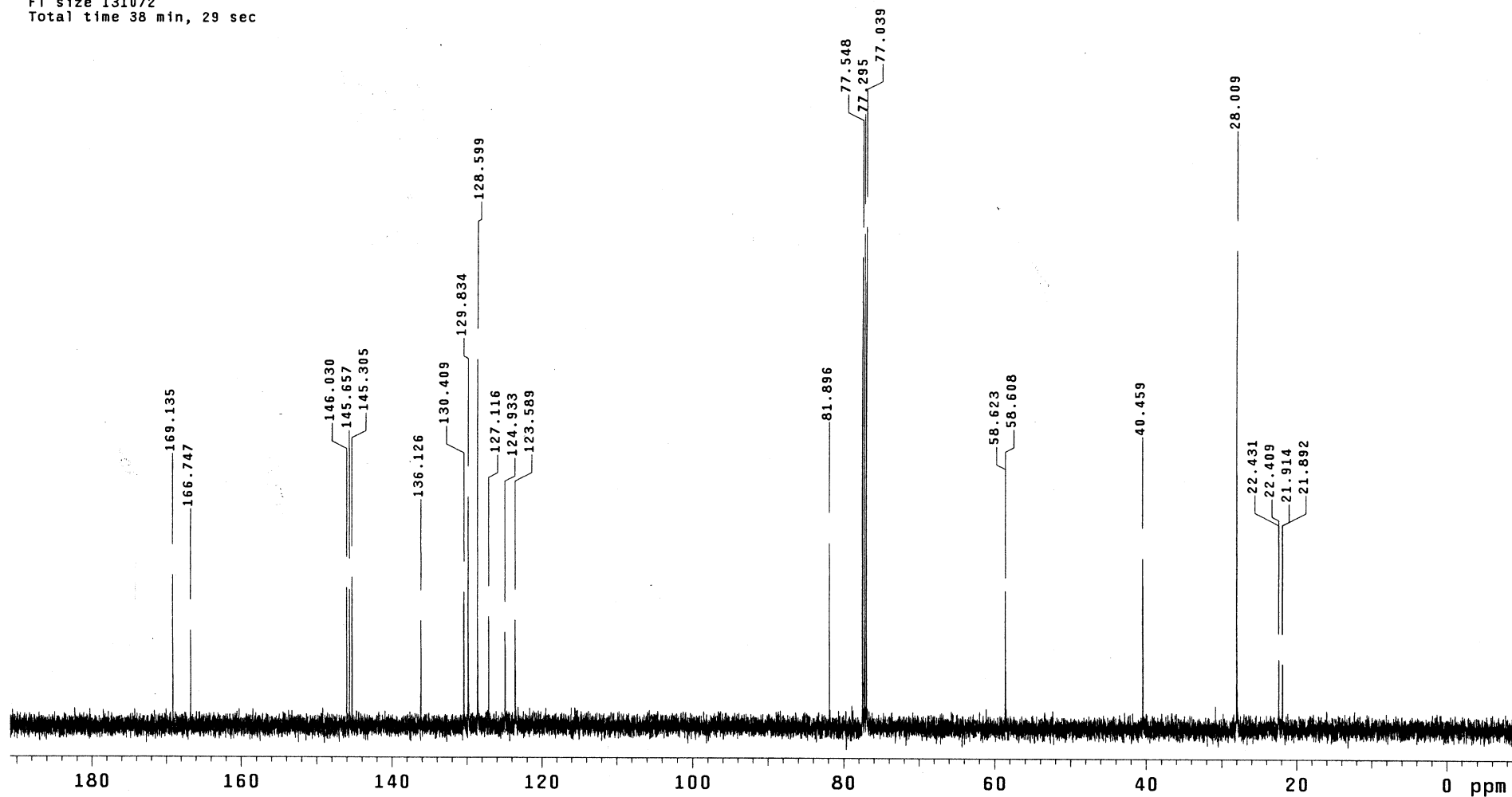
Ambient temperature

Operator: falck

INOVA-500 "fire2.swmed.edu"



Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.300 sec
Width 30165.9 Hz
288 repetitions
OBSERVE C13, 125.6692167 MHz
DECOUPLE H1, 499.7803743 MHz
Power 36 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 131072
Total time 38 min, 29 sec

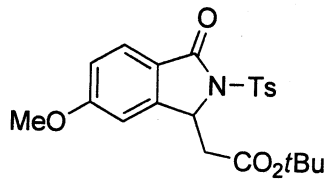


zc2-33

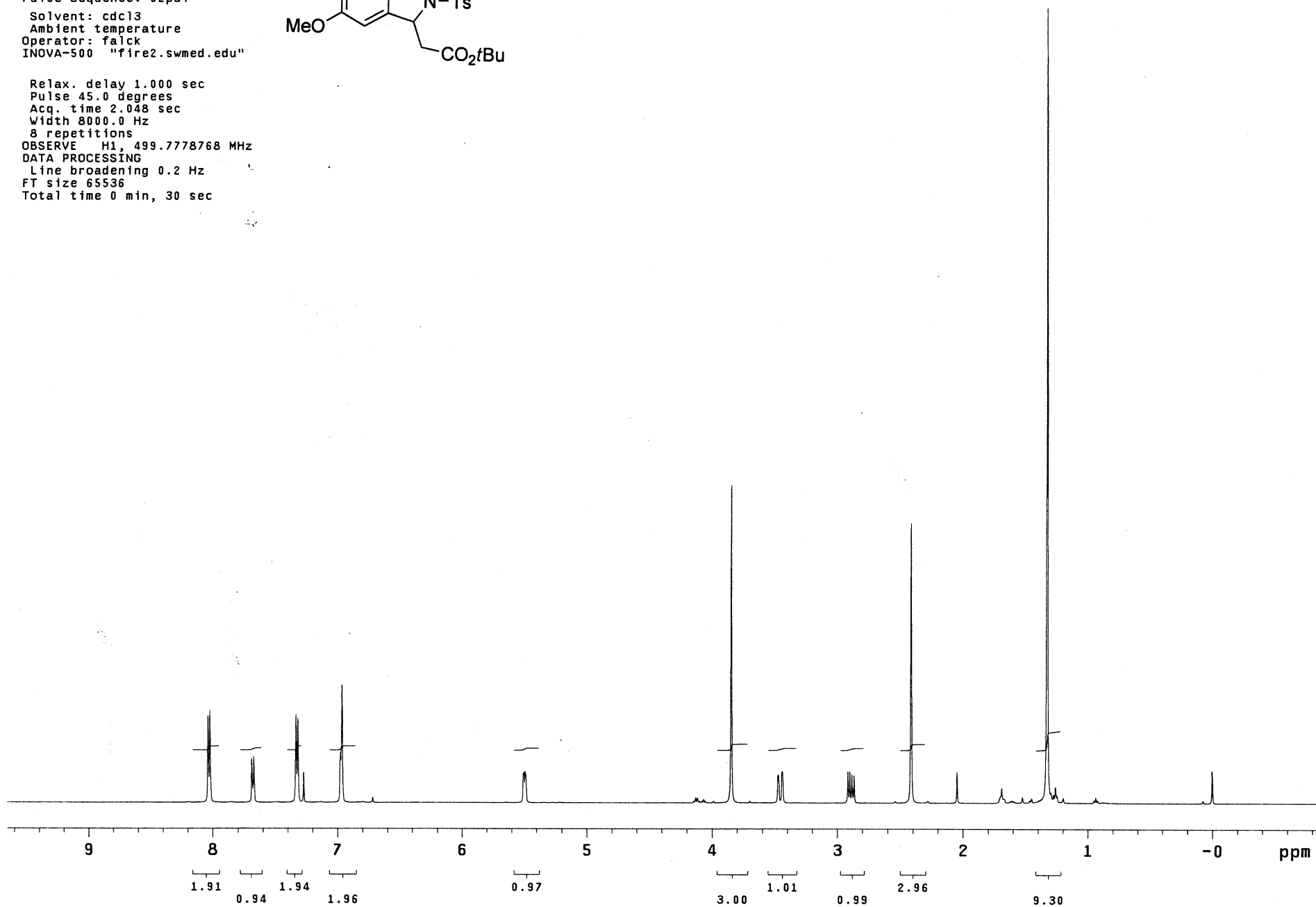
File: Proton

Pulse Sequence: s2pu1

Solvent: cdcl3
Ambient temperature
Operator: falck
INOVA-500 "fire2.swmed.edu"



Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.048 sec
Width 8000.0 Hz
8 repetitions
OBSERVE H1, 499.7778768 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 0 min, 30 sec



zc2-33

File: Carbon

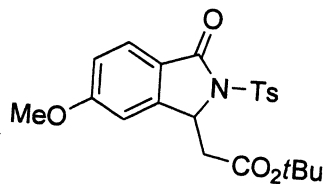
Pulse Sequence: s2pu1

Solvent: cdc13

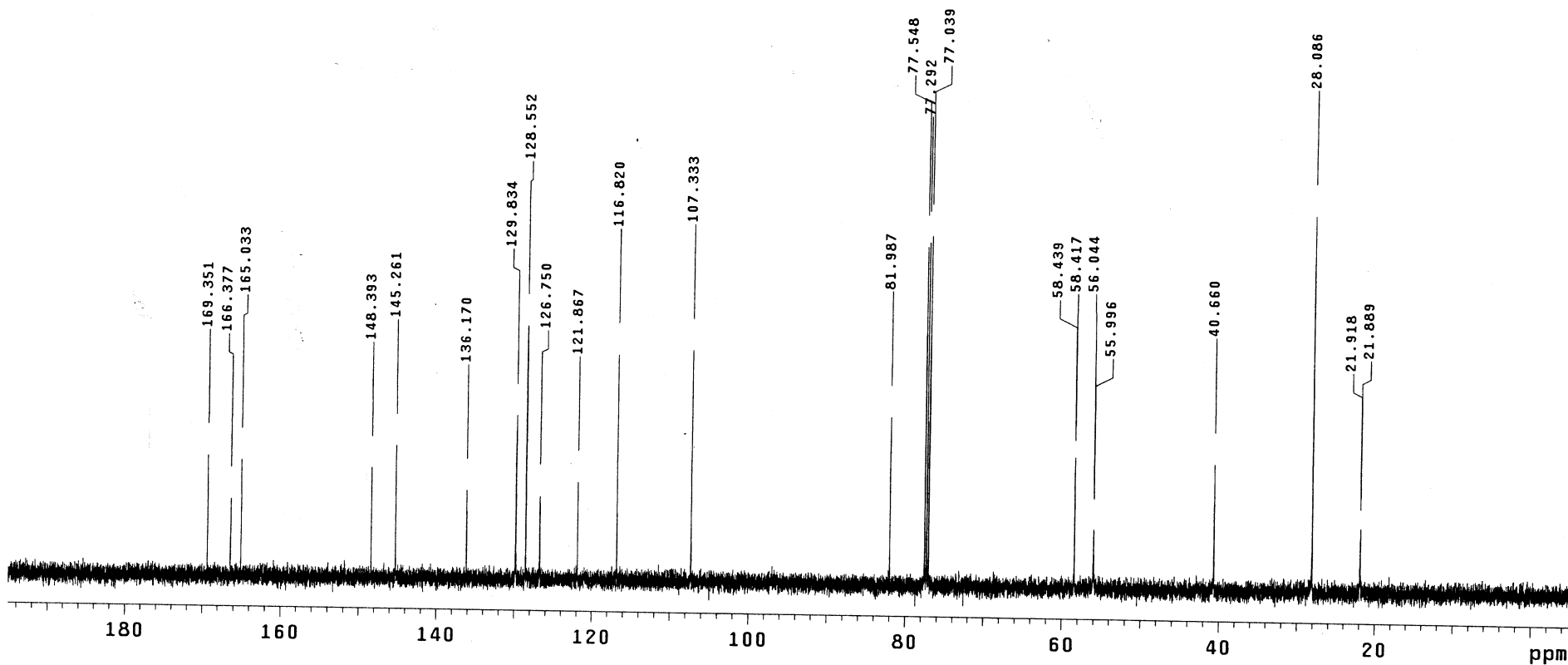
Ambient temperature

Operator: falck

INOVA-500 "fire2.swmed.edu"



Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.300 sec
Width 30165.9 Hz
408 repetitions
OBSERVE C13, 125.6692167 MHz
DECOUPLE H1, 499.7803743 MHz
Power 36 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 131072
Total time 38 min, 29 sec



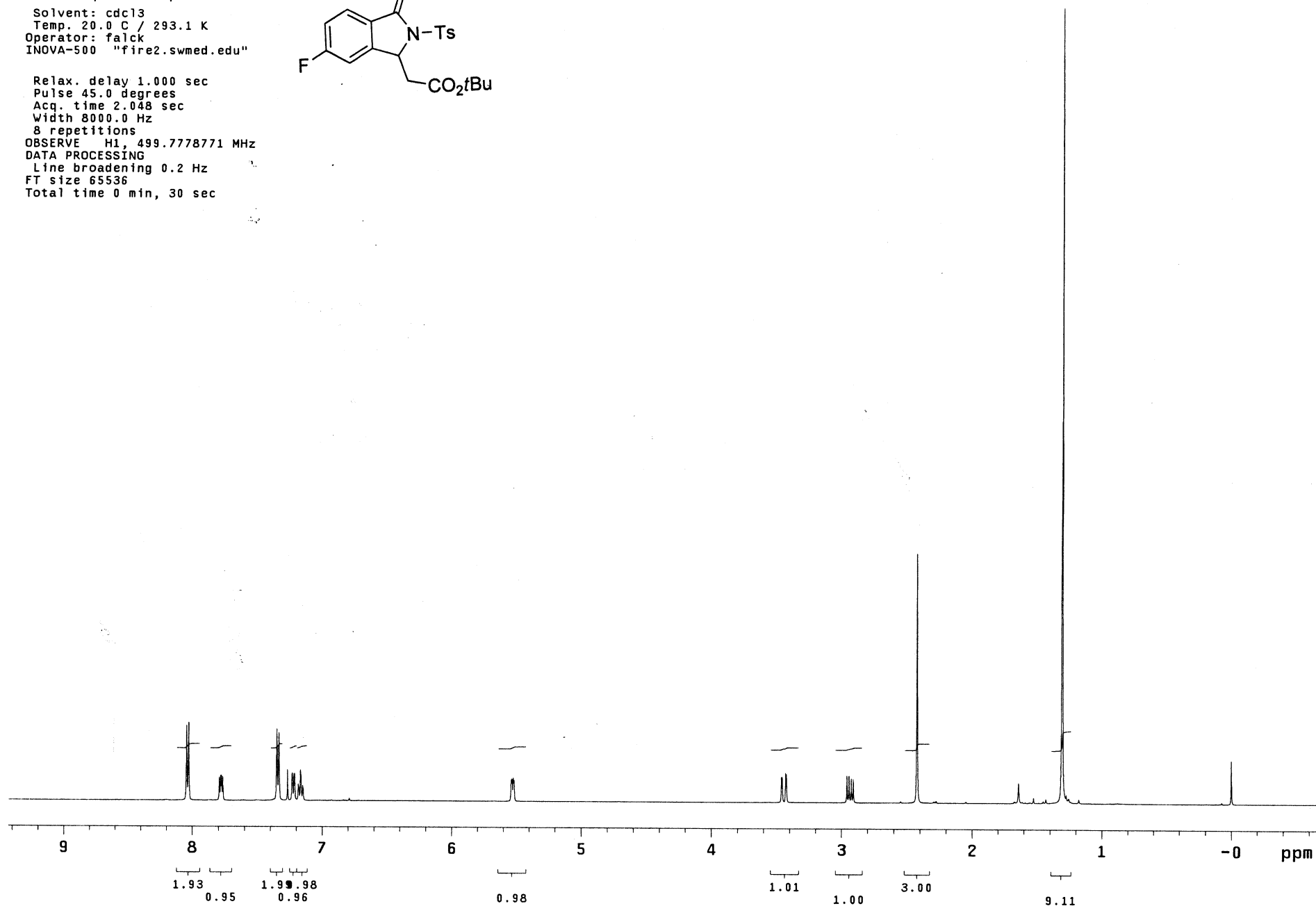
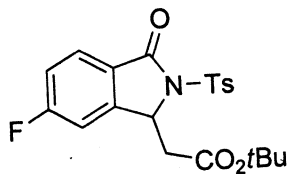
zc2-32

File: Proton

Pulse Sequence: s2pu1

Solvent: cdcl3
Temp. 20.0 C / 293.1 K
Operator: falck
INOVA-500 "fire2.swmed.edu"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.048 sec
Width 8000.0 Hz
8 repetitions
OBSERVE H1, 499.7778771 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 0 min, 30 sec



zc2-32

File: Carbon

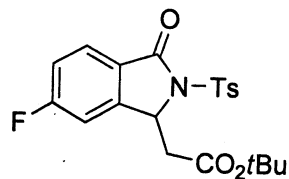
Pulse Sequence: s2pu1

Solvent: cdcl3

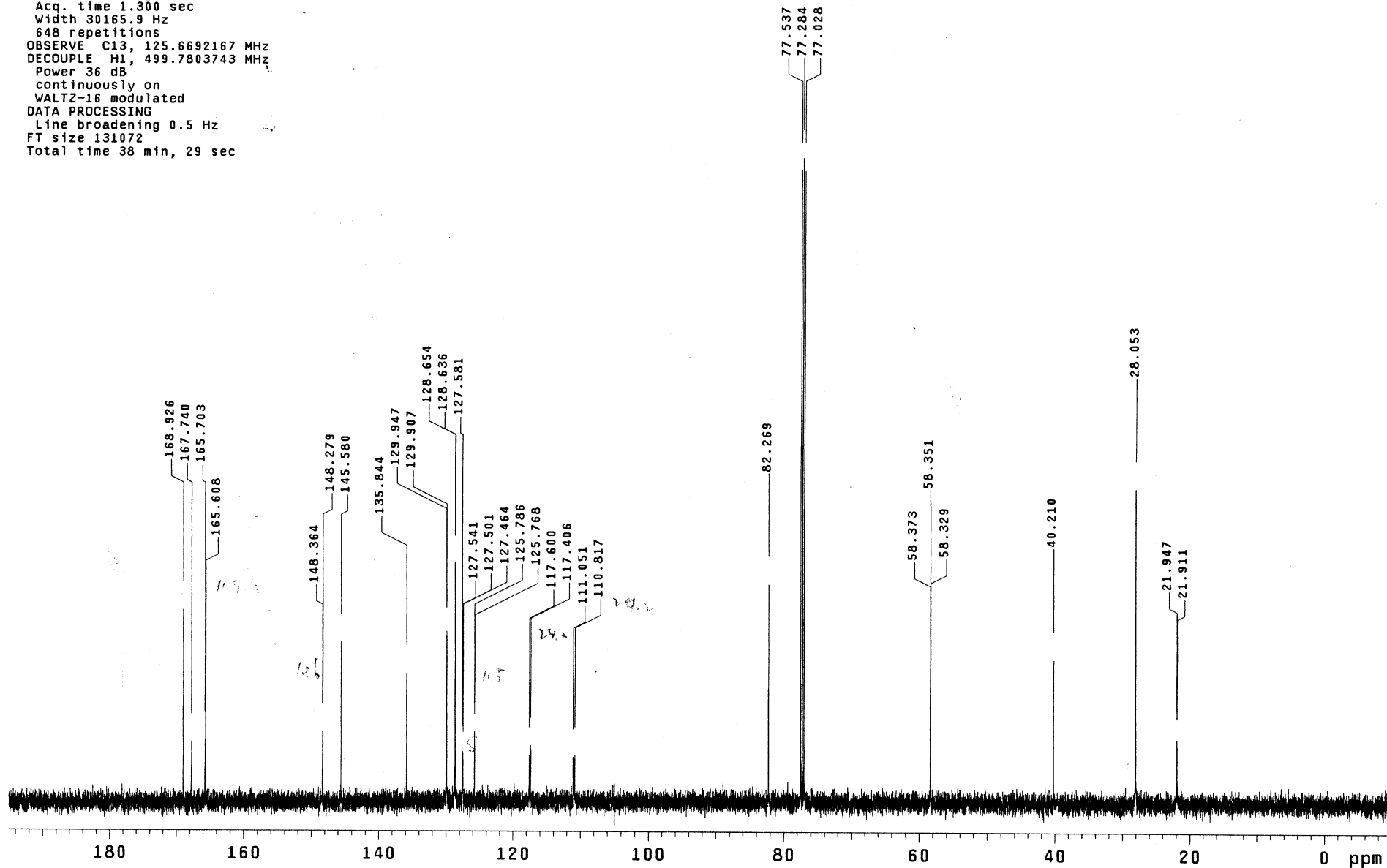
Ambient temperature

Operator: falck

INOVA-500 "fire2.swmed.edu"



Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.300 sec
Width 30165.9 Hz
648 repetitions
OBSERVE C13, 125.6692167 MHz
DECOUPLE H1, 499.7803743 MHz
Power 36 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 131072
Total time 38 min, 29 sec



zc2-37

File: Proton

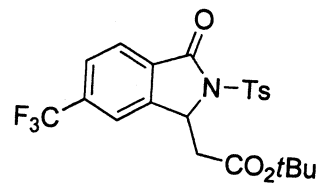
Pulse Sequence: s2pu1

Solvent: cdc13

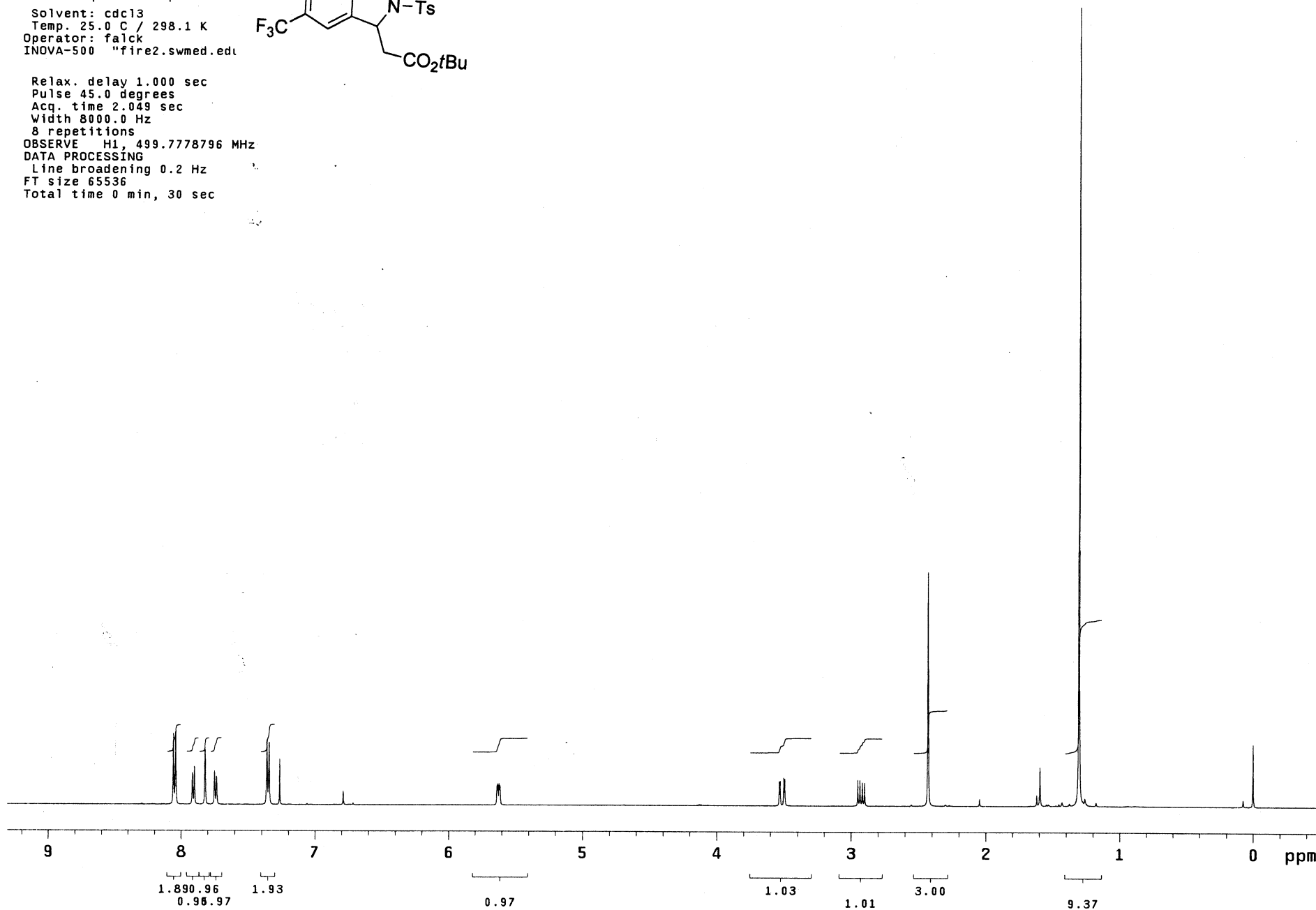
Temp. 25.0 C / 298.1 K

Operator: falck

INOVA-500 "fire2.swmed.edu



Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.049 sec
Width 8000.0 Hz
8 repetitions
OBSERVE H1, 499.7778796 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 0 min, 30 sec



zc2-37

File: Carbon

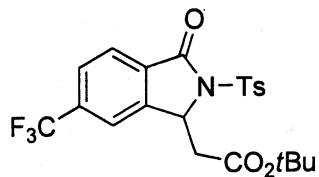
Pulse Sequence: s2pu1

Solvent: cdcl3

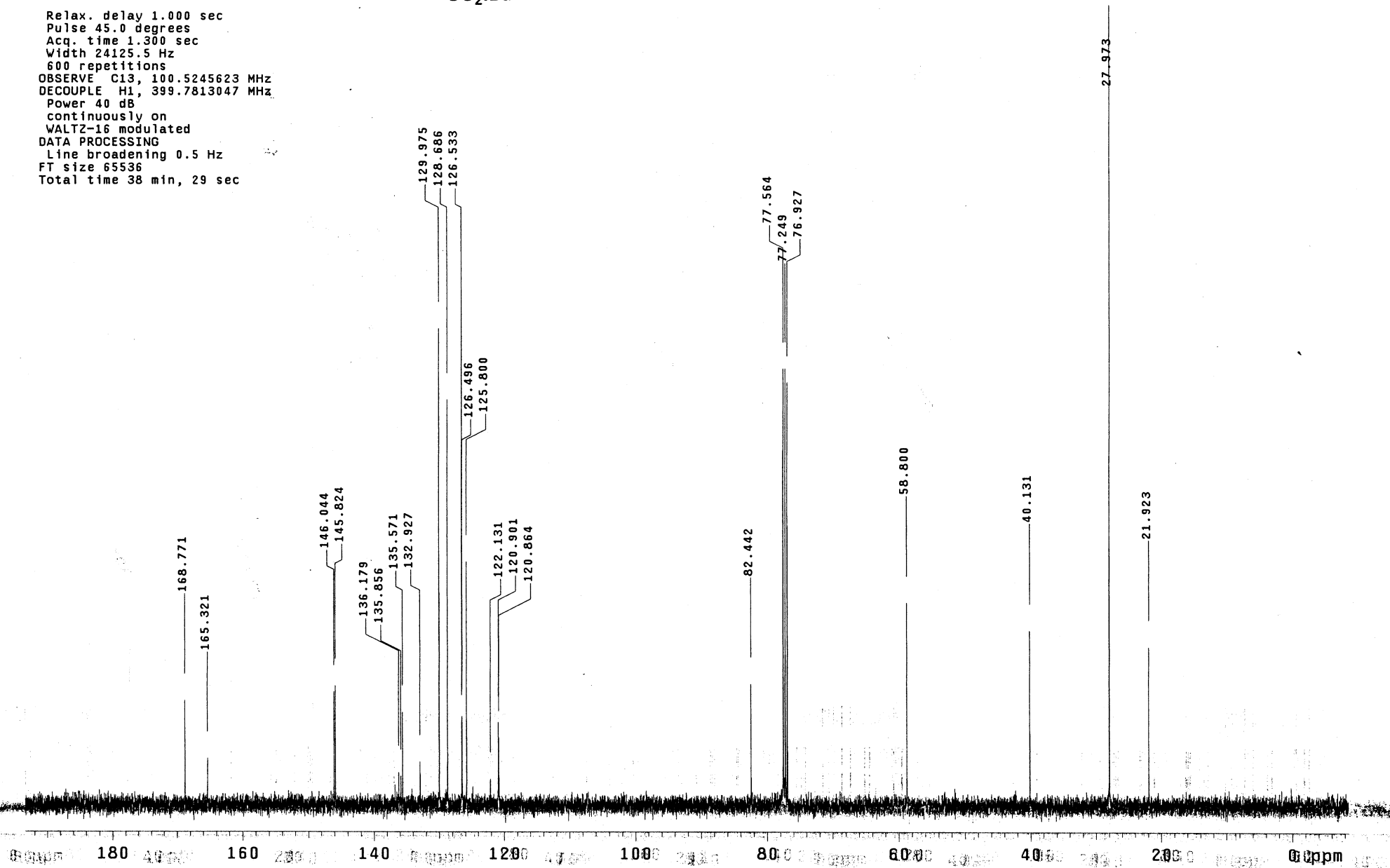
Ambient temperature

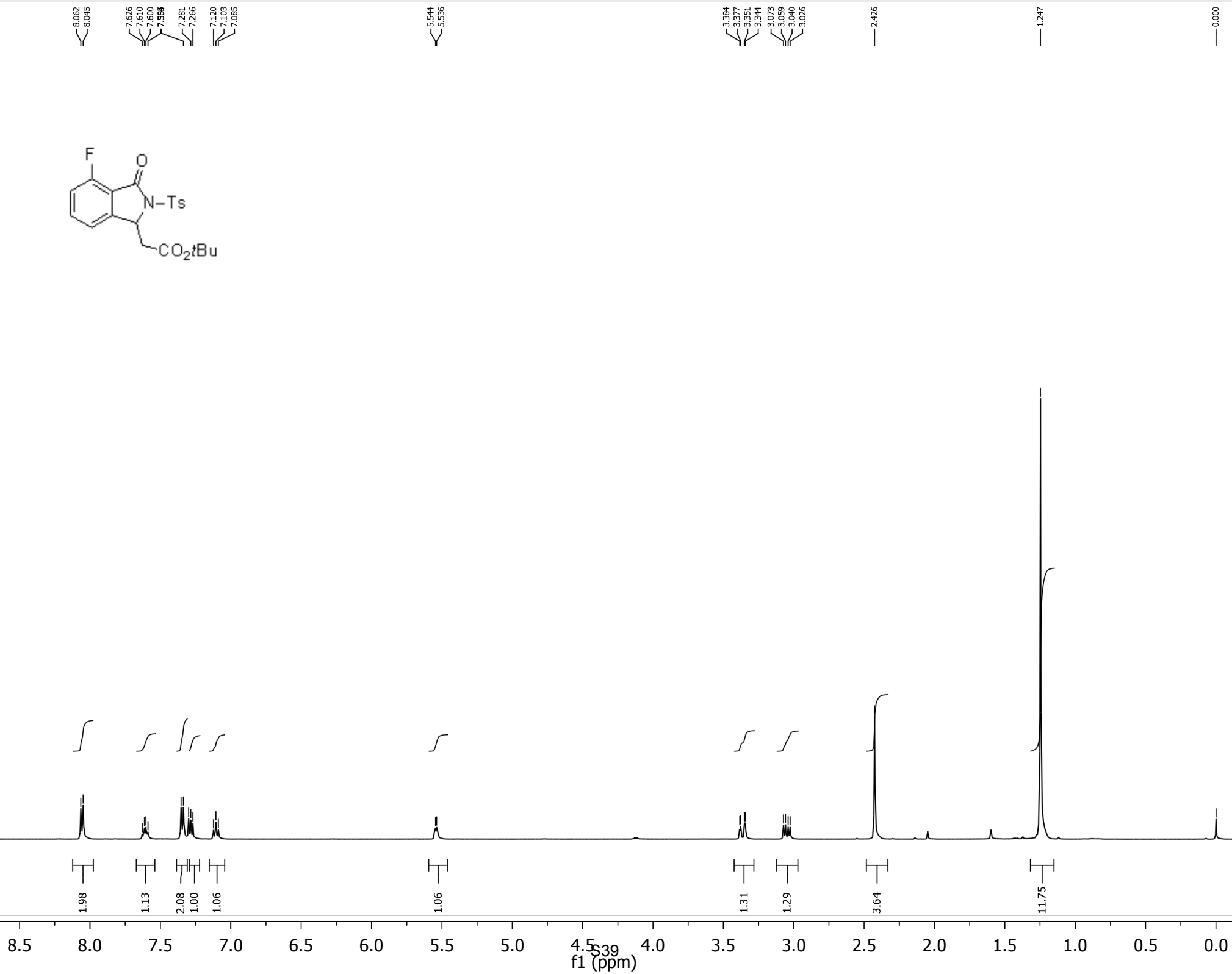
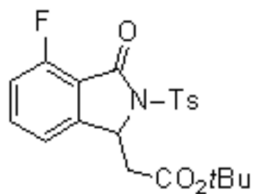
Operator: falck

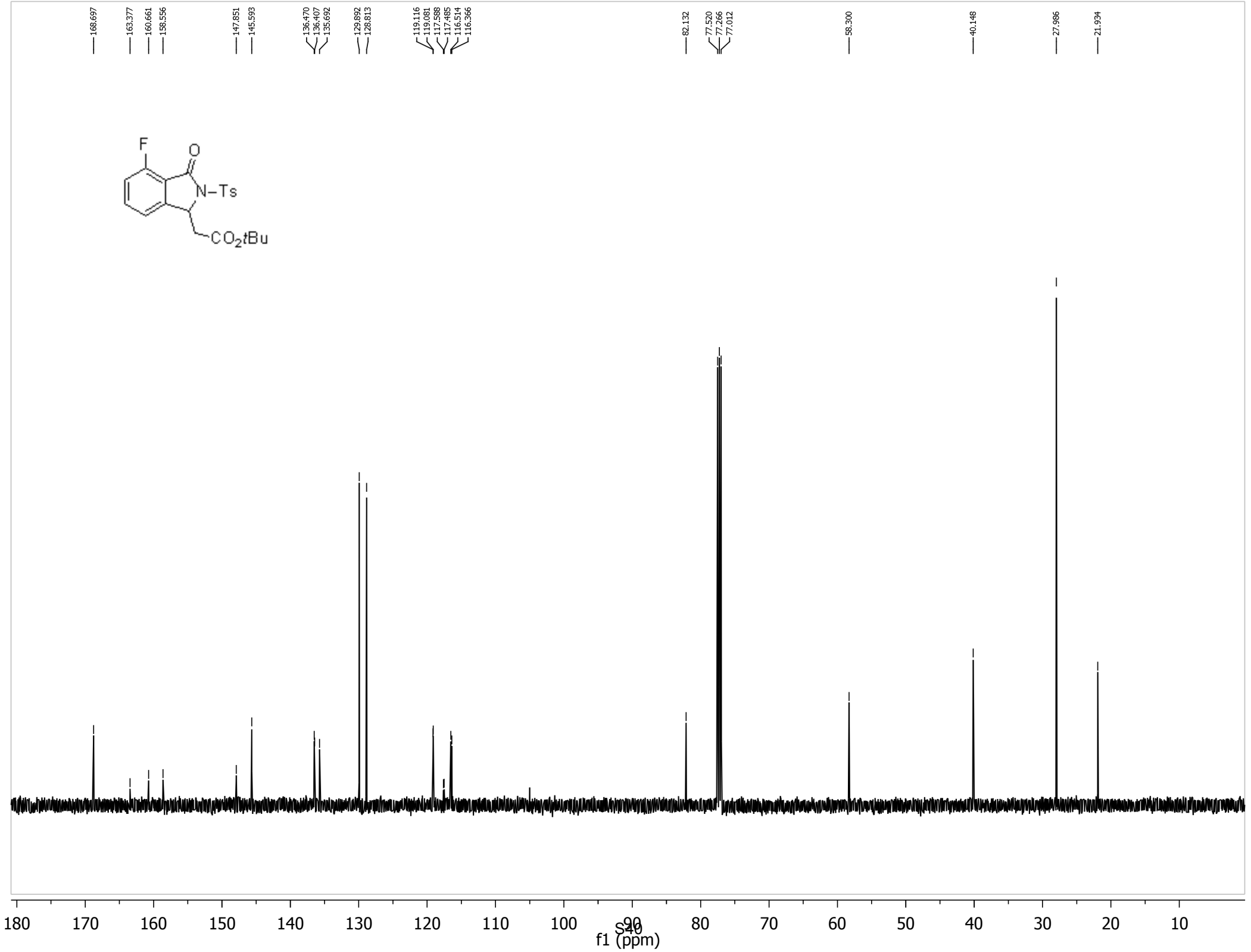
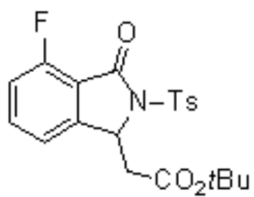
INOVA-400 "pele400"



Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.300 sec
Width 24125.5 Hz
600 repetitions
OBSERVE C13, 100.5245623 MHz
DECOUPLE H1, 399.7813047 MHz
Power 40 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 38 min, 29 sec







zc1-281

File: Proton

Pulse Sequence: s2pu1

Solvent: cdcl3

Ambient temperature

Operator: falck

INOVA-500 "fire2.swmed.edu"

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.049 sec

Width 8000.0 Hz

8 repetitions

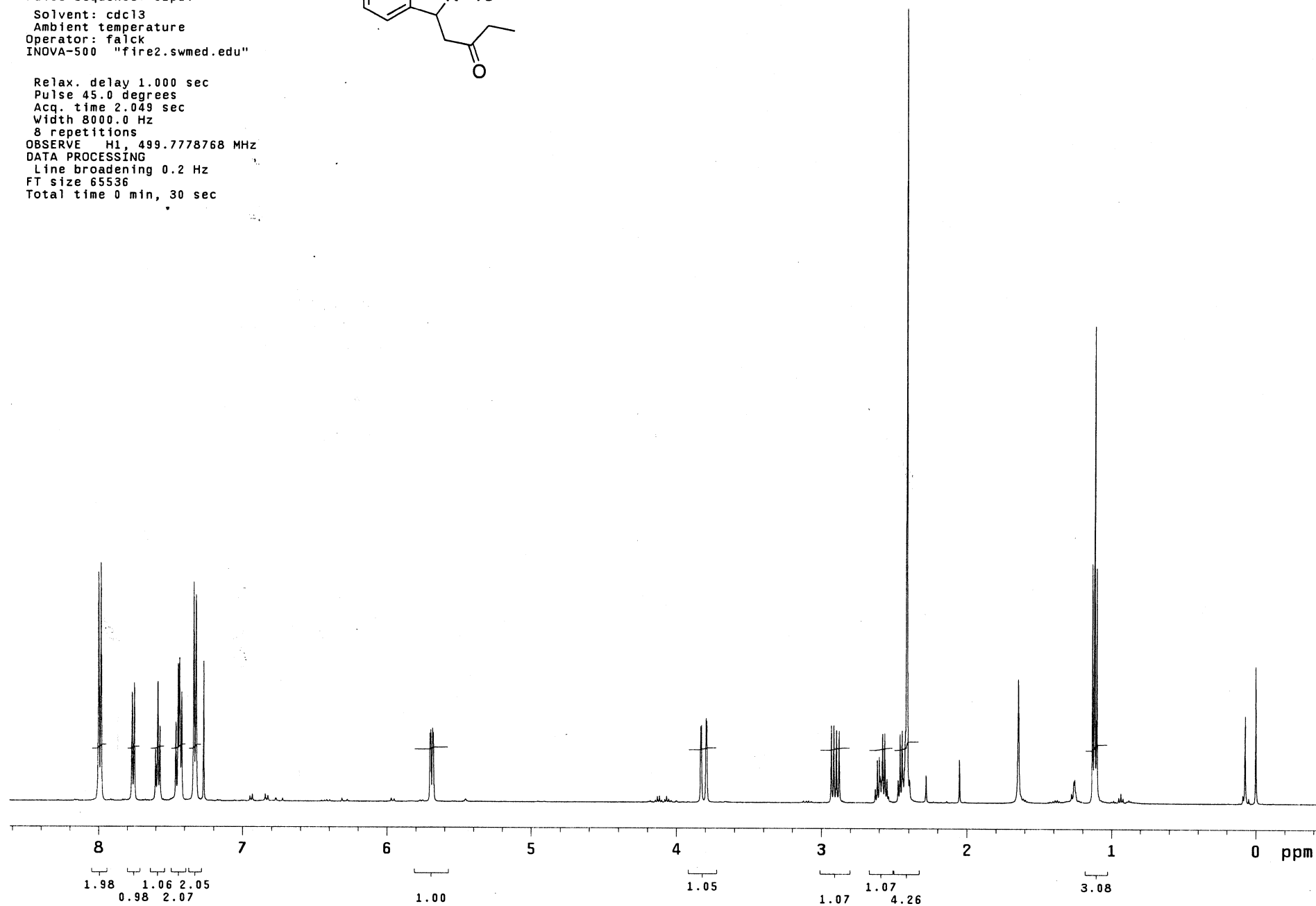
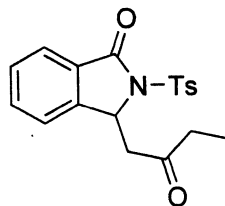
OBSERVE H1, 499.7778768 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 0 min, 30 sec



zcl-281

File: Carbon

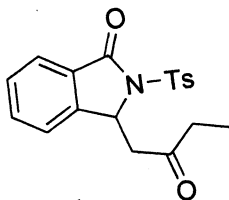
Pulse Sequence: s2pu1

Solvent: cdcl3

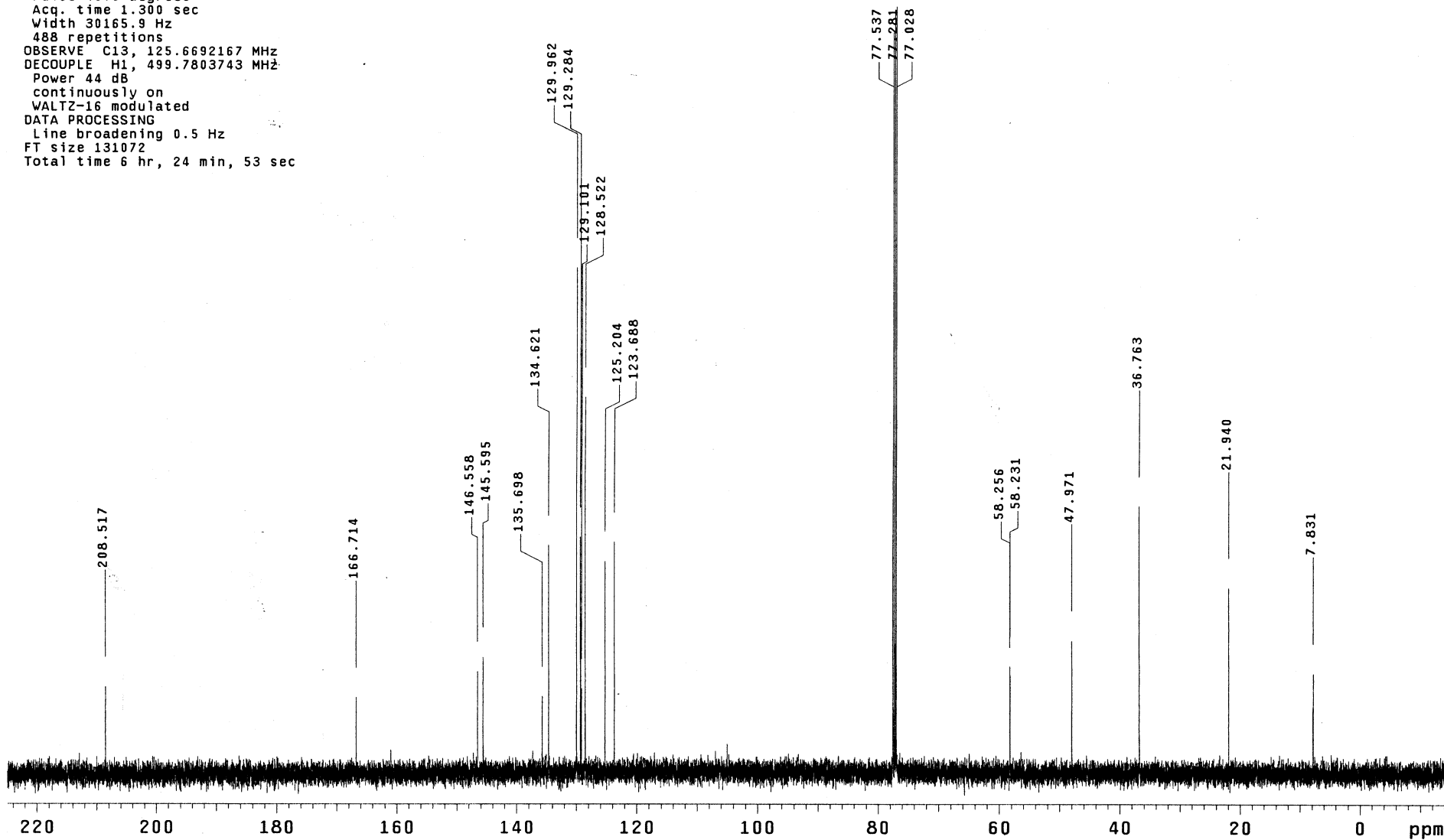
Ambient temperature

Operator: falck

INOVA-500 "fire2.swmed.edu"



Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.300 sec
Width 30165.9 Hz
488 repetitions
OBSERVE C13, 125.6692167 MHz
DECOUPLE H1, 499.7803743 MHz
Power 44 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 131072
Total time 6 hr, 24 min, 53 sec



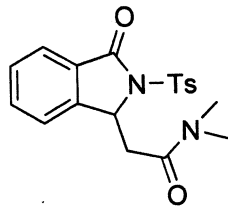
zc2-53

File: Proton

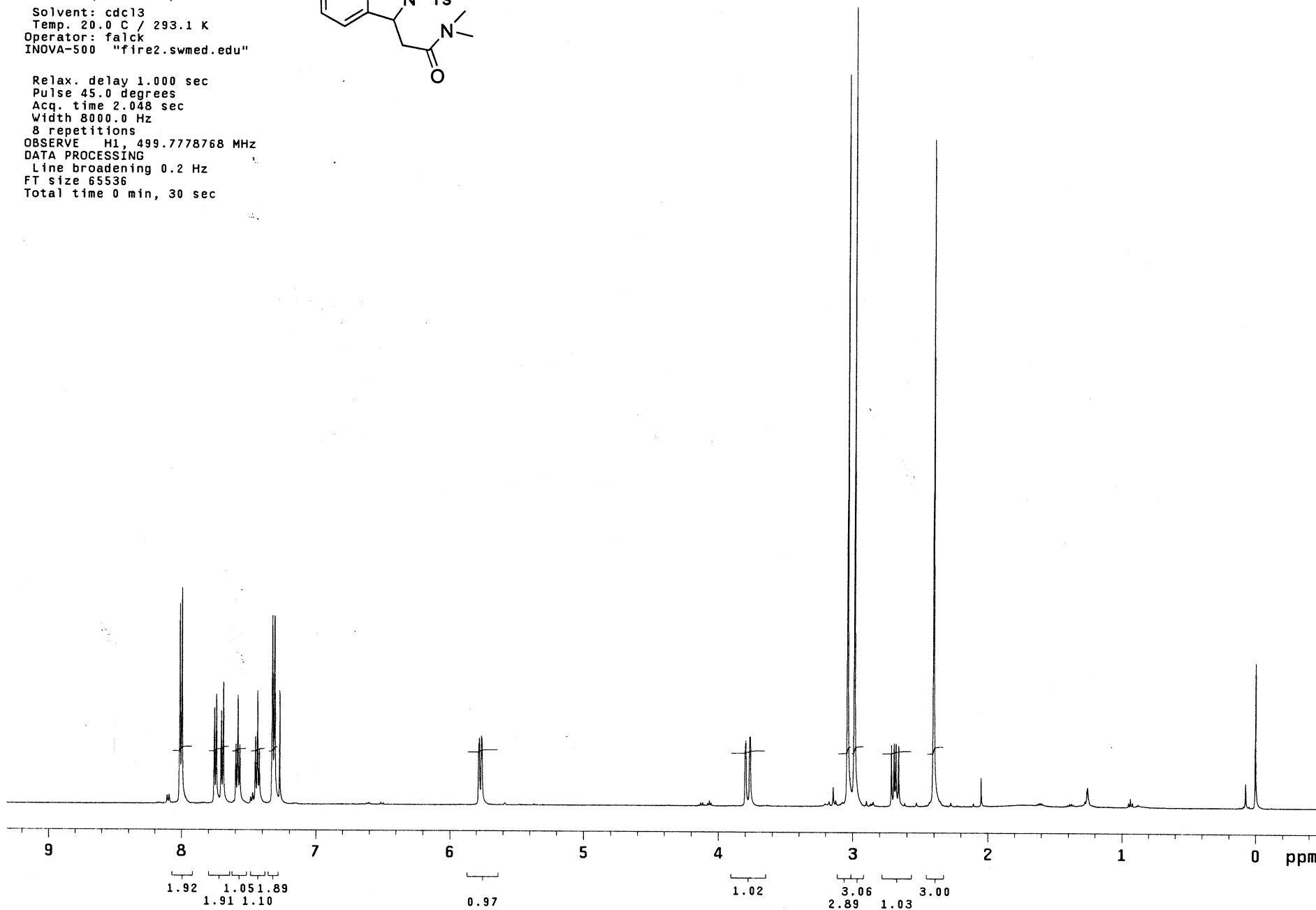
Pulse Sequence: s2pu1

Solvent: cdc13
Temp. 20.0 C / 293.1 K

Operator: falck
INOVA-500 "fire2.swmed.edu"



Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.048 sec
Width 8000.0 Hz
8 repetitions
OBSERVE H1, 499.7778768 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 0 min, 30 sec



169.506
166.898

146.925
145.503

135.726
134.570

129.901
129.194
128.962
128.531
124.987
124.678

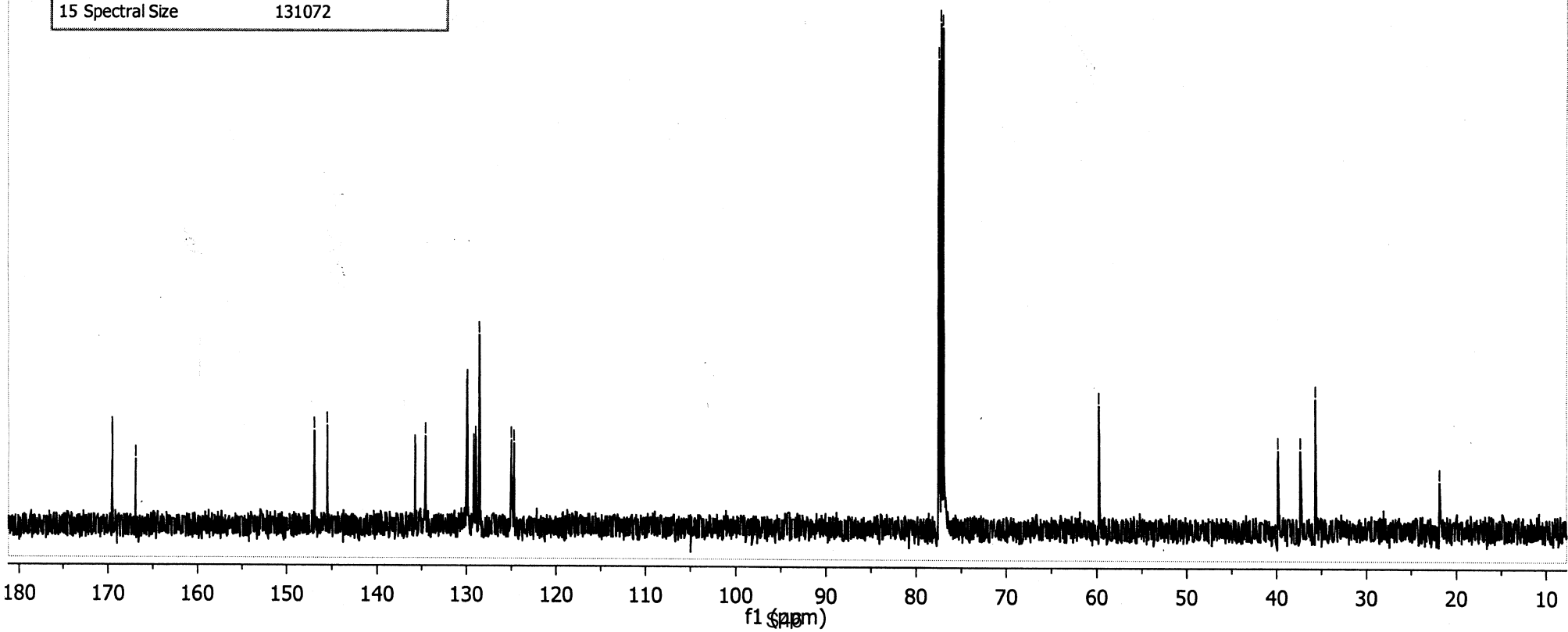
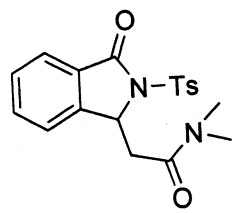
77.528
77.274
77.019

59.807

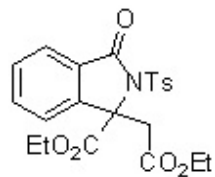
39.897
37.404
35.731

21.902

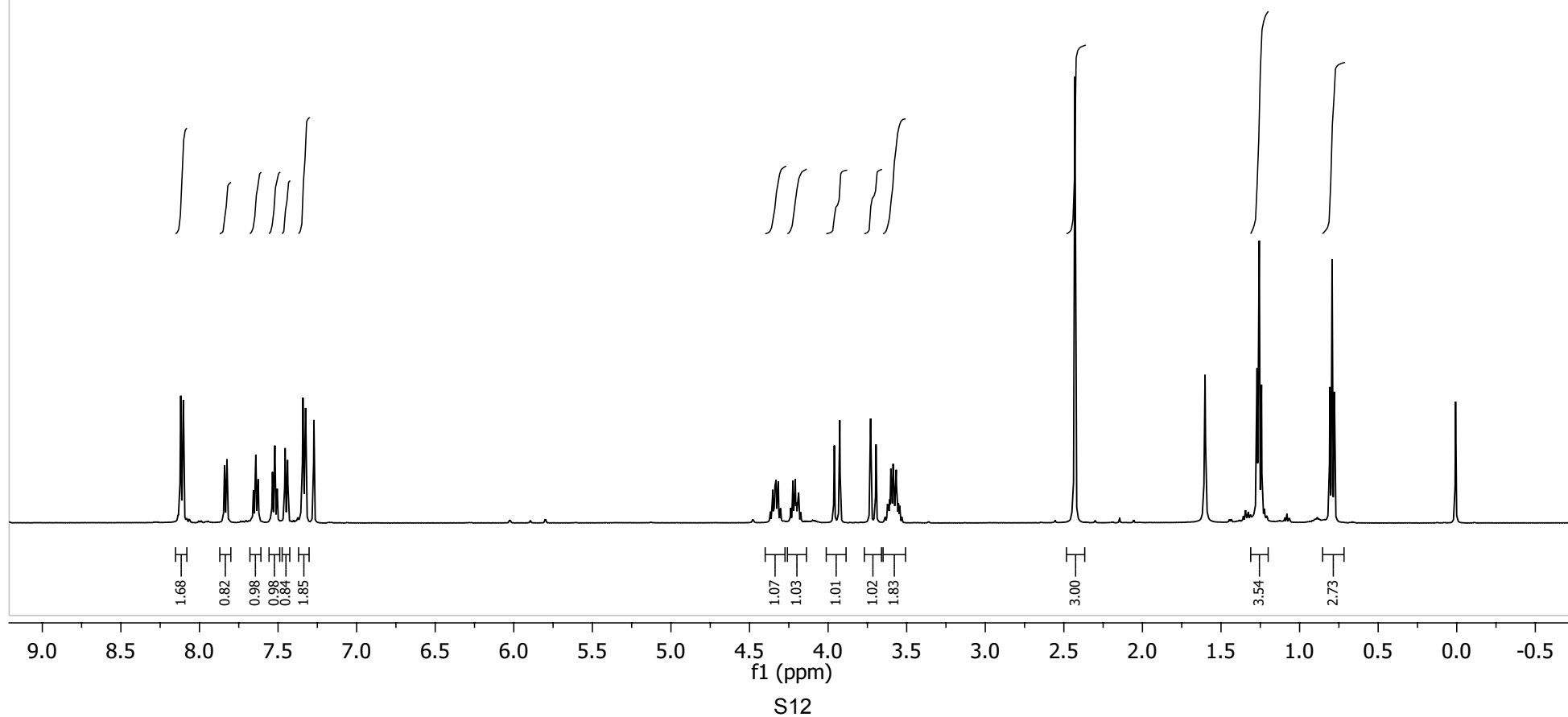
Parameter	Value
1 Title	zc2-53
2 Origin	inova
3 Owner	
4 Solvent	cdcl3
5 Pulse Sequence	s2pul
6 Acquisition Date	2010-06-17T11:47:13
7 Modification Date	
8 Temperature	20.0
9 Number of Scans	1000
10 Spectrometer Frequency	125.68
11 Spectral Width	30165.9
12 Lowest Frequency	-1887.7
13 Nucleus	13C
14 Acquired Size	39230
15 Spectral Size	131072

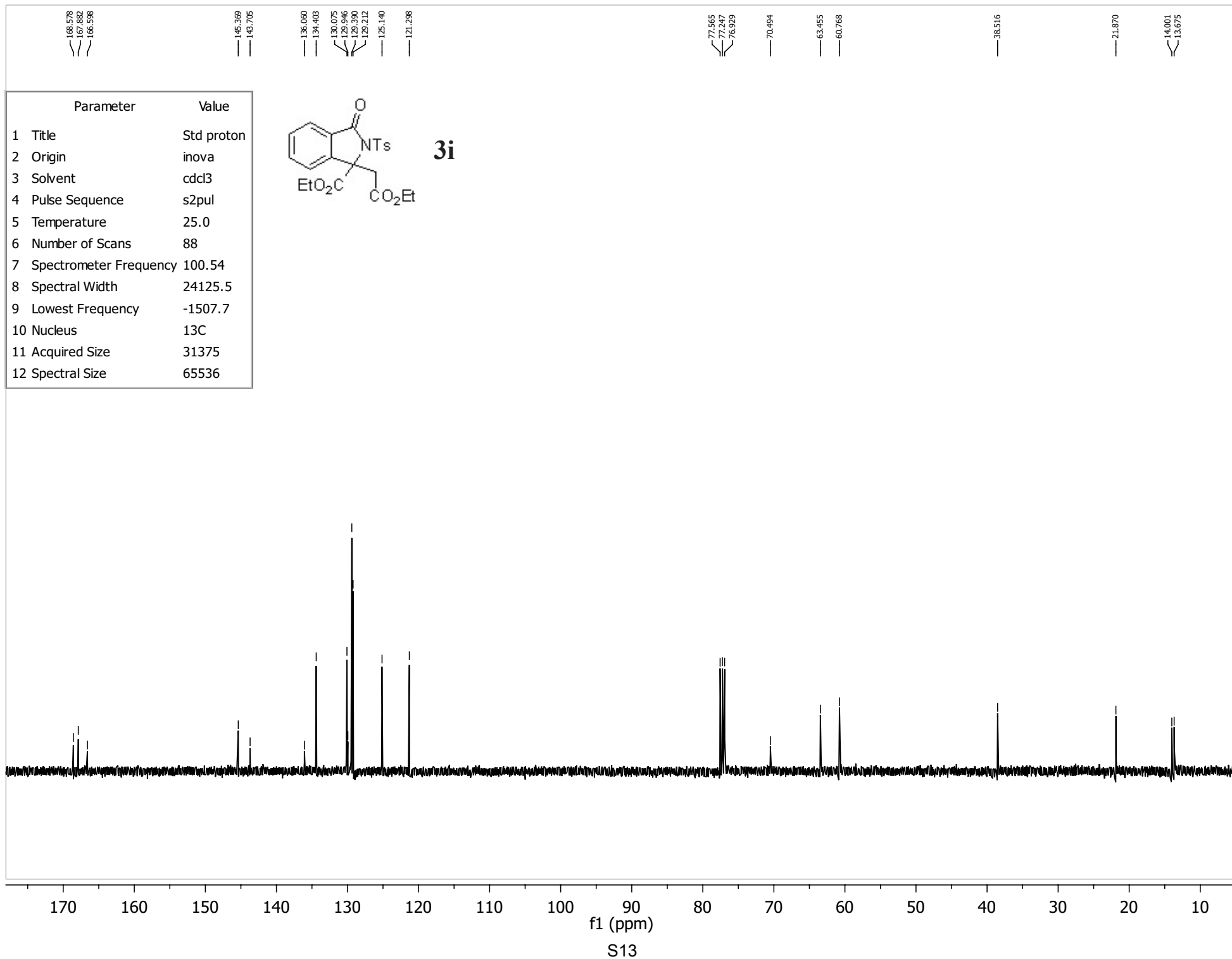


Parameter	Value
1 Title	Std proton
2 Origin	inova
3 Solvent	cdcl3
4 Pulse Sequence	s2pul
5 Temperature	50.0
6 Number of Scans	16
7 Spectrometer Frequency	499.78
8 Spectral Width	8000.0
9 Lowest Frequency	-1001.4
10 Nucleus	¹ H
11 Acquired Size	16389
12 Spectral Size	65536

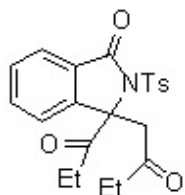


3i

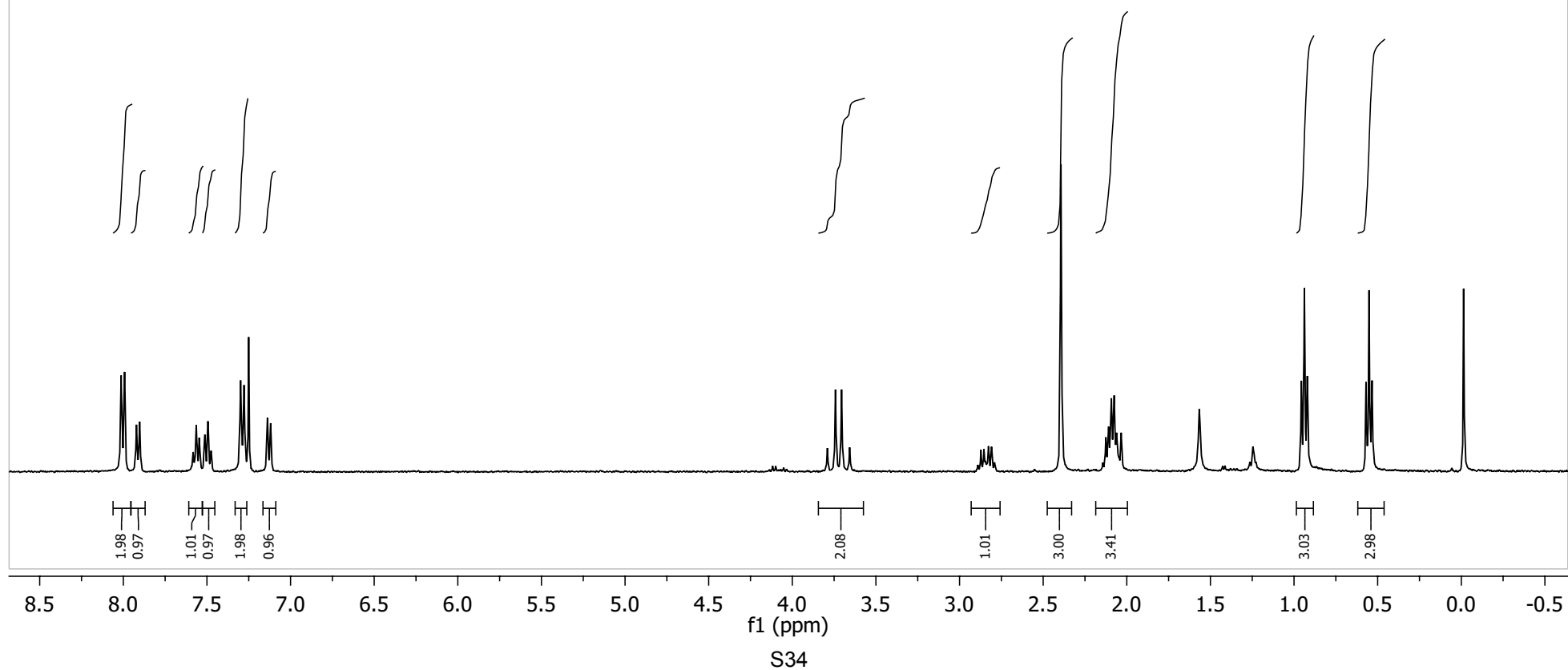


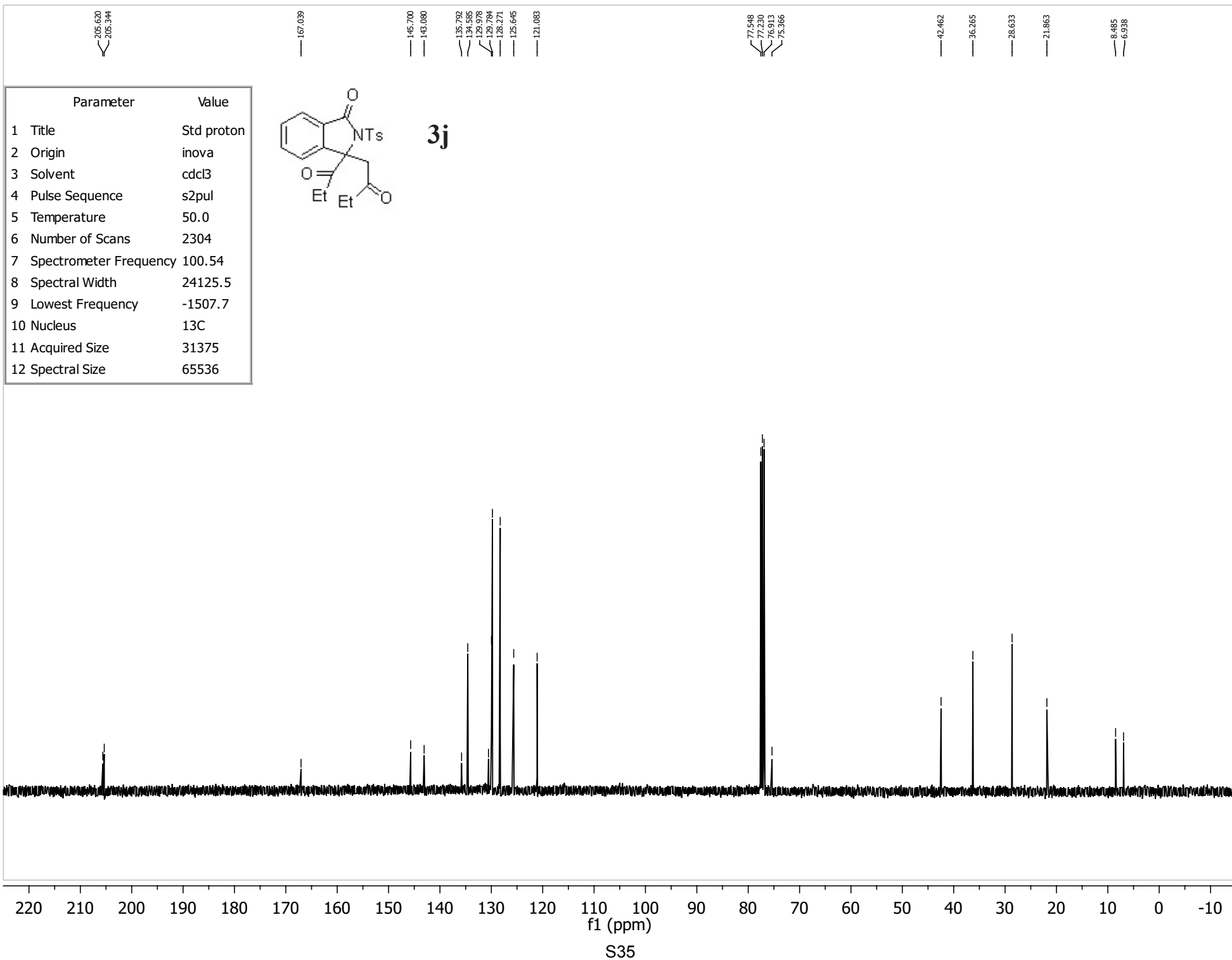


Parameter	Value
1 Title	Std proton
2 Origin	inova
3 Solvent	cdcl3
4 Pulse Sequence	s2pul
5 Temperature	50.0
6 Number of Scans	16
7 Spectrometer Frequency	399.78
8 Spectral Width	6396.4
9 Lowest Frequency	-799.5
10 Nucleus	1H
11 Acquired Size	13104
12 Spectral Size	32768

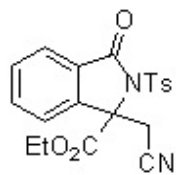


3j

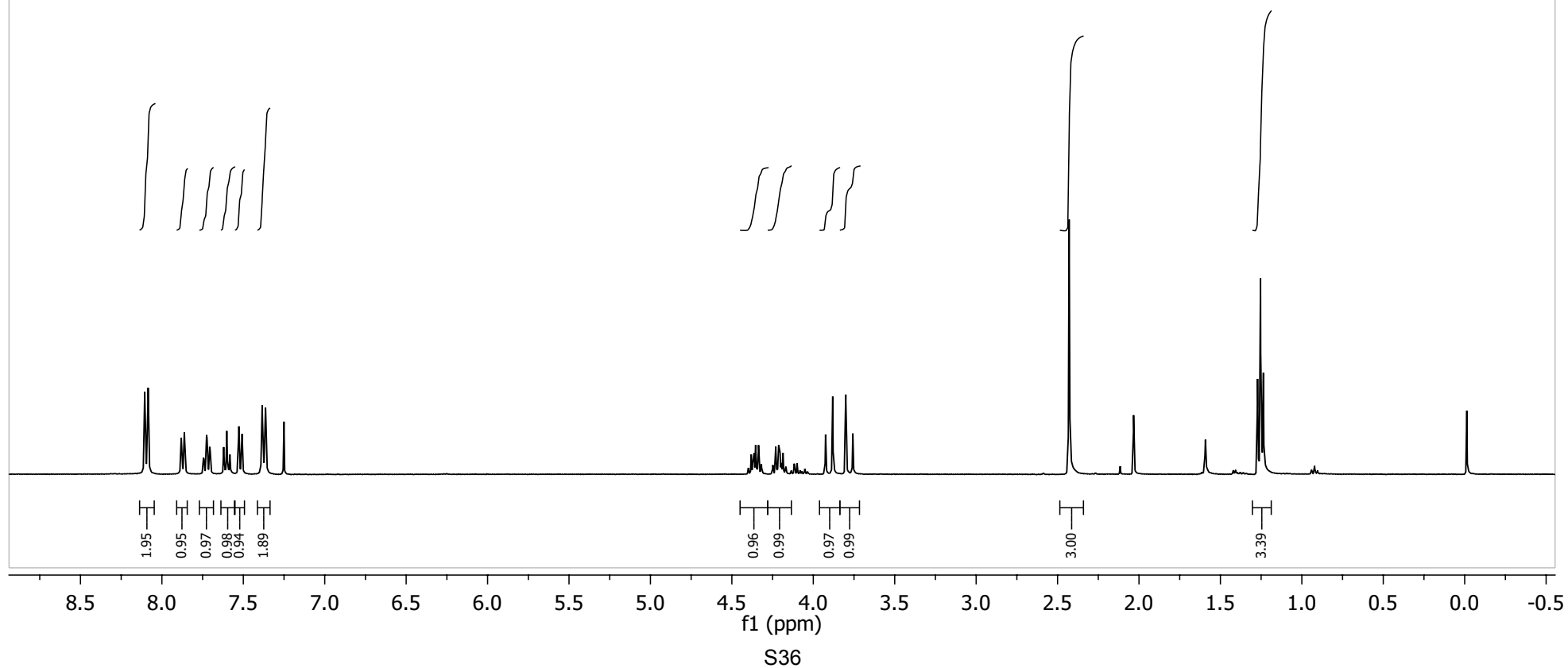


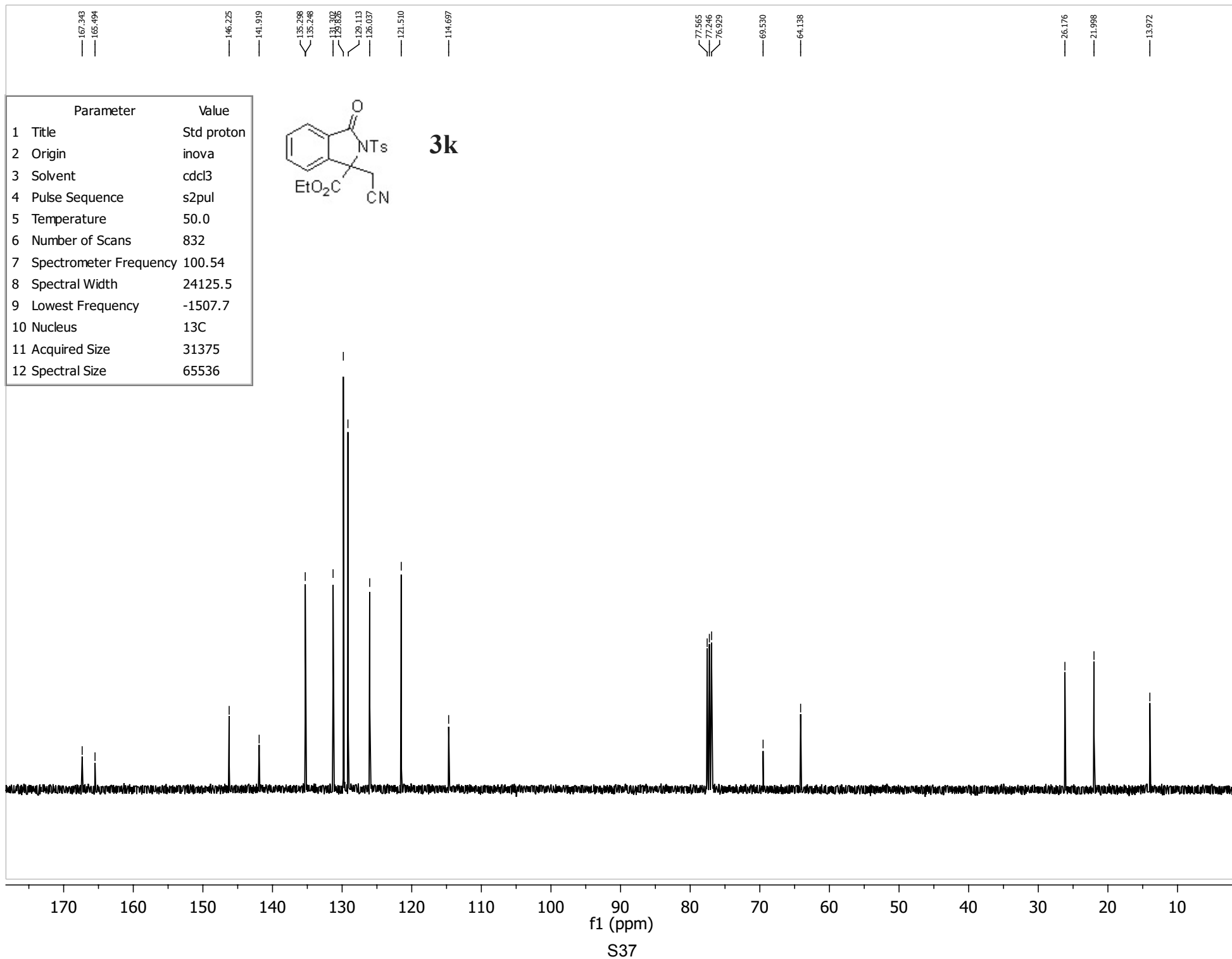


Parameter	Value
1 Title	Std proton
2 Origin	inova
3 Solvent	cdcl3
4 Pulse Sequence	s2pul
5 Temperature	50.0
6 Number of Scans	8
7 Spectrometer Frequency	399.78
8 Spectral Width	6396.4
9 Lowest Frequency	-799.5
10 Nucleus	1H
11 Acquired Size	13104
12 Spectral Size	32768

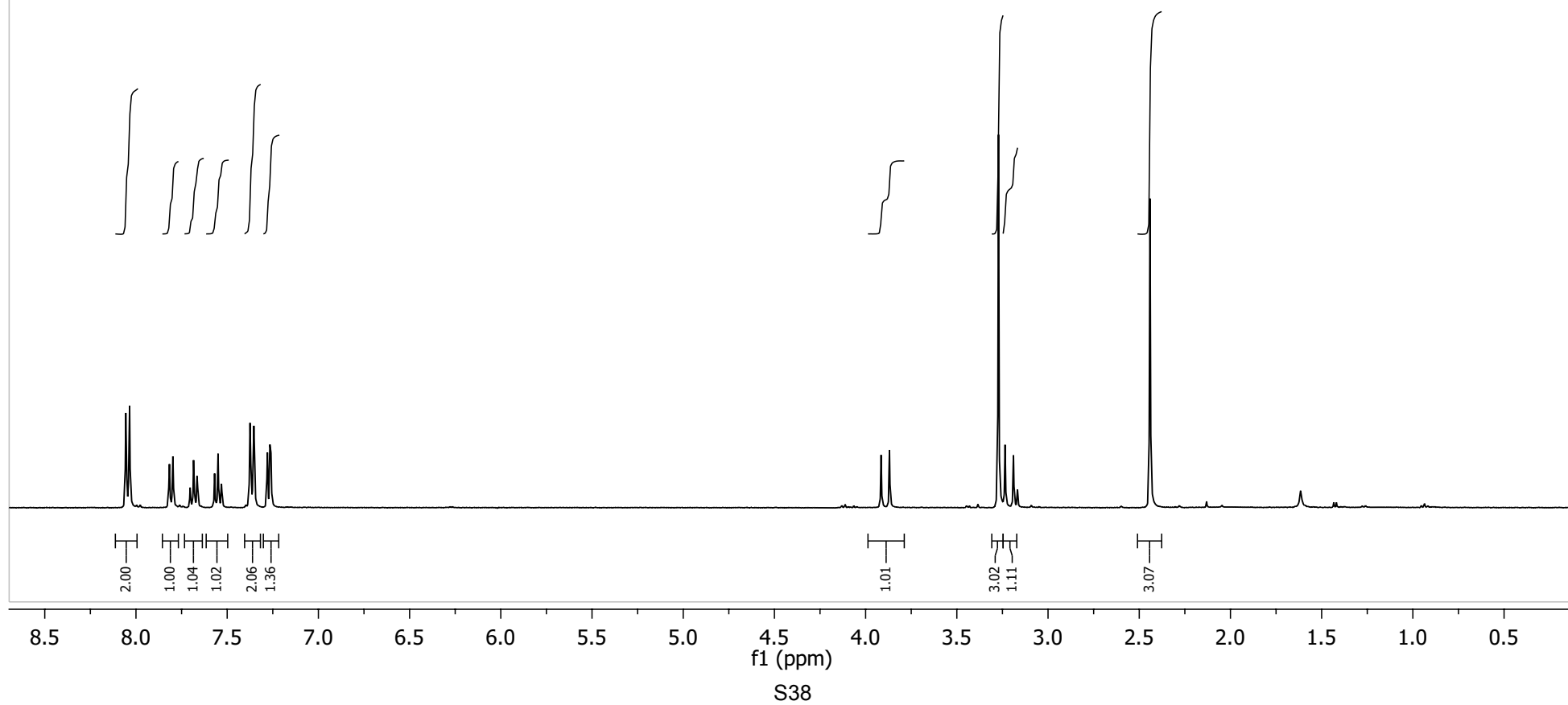
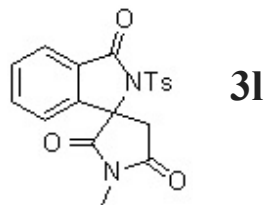


3k



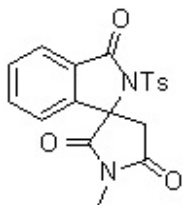


Parameter	Value
1 Title	Std proton
2 Origin	inova
3 Solvent	cdcl3
4 Pulse Sequence	s2pul
5 Temperature	50.0
6 Number of Scans	8
7 Spectrometer Frequency	399.78
8 Spectral Width	6396.4
9 Lowest Frequency	-793.1
10 Nucleus	1H
11 Acquired Size	13104
12 Spectral Size	32768

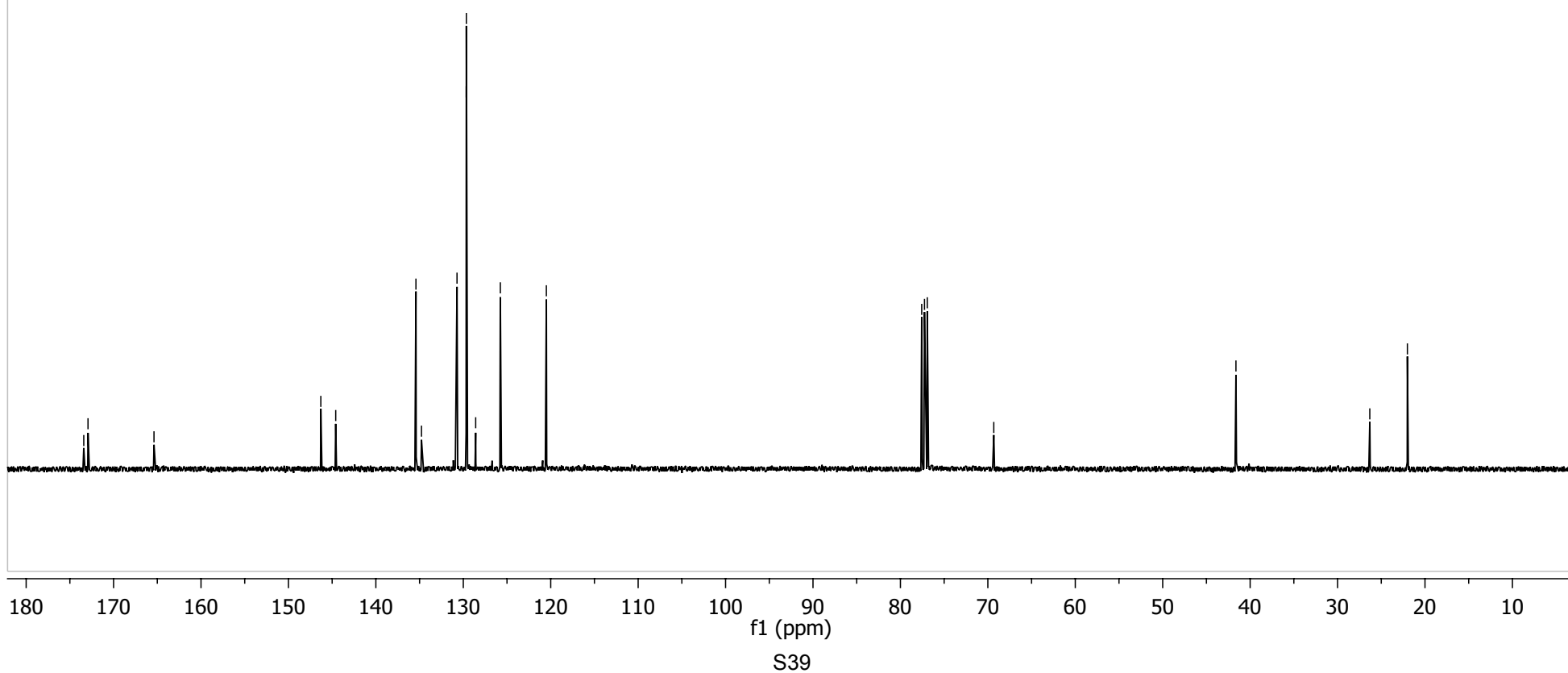


173.410
172.925
165.377
146.295
144.591
135.416
134.781
129.659
129.649
128.581
125.763
120.499
77.564
77.247
76.929
69.321
41.623
26.313
22.012

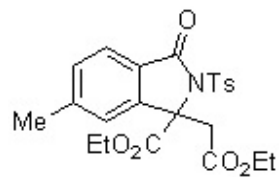
Parameter	Value
1 Title	Std proton
2 Origin	inova
3 Solvent	cdcl3
4 Pulse Sequence	s2pul
5 Temperature	50.0
6 Number of Scans	1264
7 Spectrometer Frequency	100.54
8 Spectral Width	24125.5
9 Lowest Frequency	-1507.7
10 Nucleus	13C
11 Acquired Size	31375
12 Spectral Size	65536



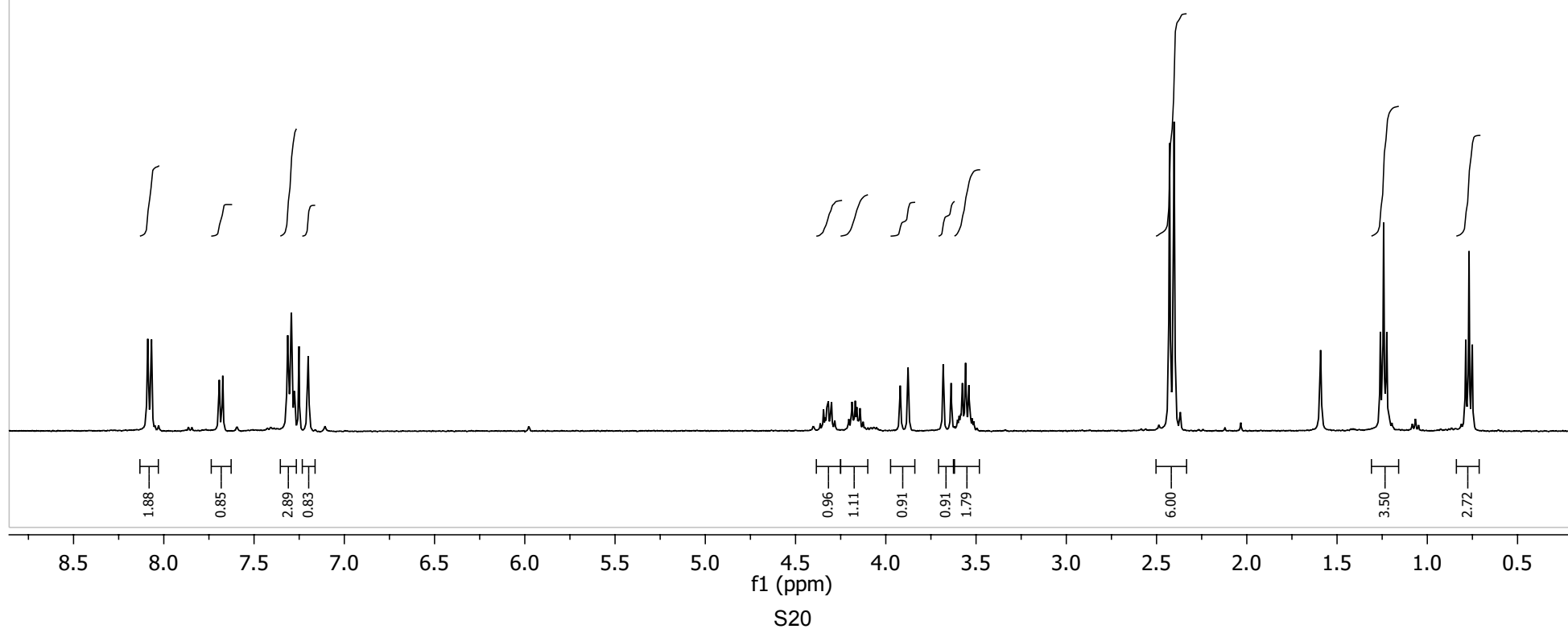
31



Parameter	Value
1 Title	Std proton
2 Origin	inova
3 Solvent	cdcl3
4 Pulse Sequence	s2pul
5 Temperature	30.0
6 Number of Scans	8
7 Spectrometer Frequency	399.78
8 Spectral Width	6396.4
9 Lowest Frequency	-799.5
10 Nucleus	1H
11 Acquired Size	13104
12 Spectral Size	32768



3n



168.790
167.960
166.632

145.732
145.255
144.011

136.175

131.187

129.151

127.360

124.956

121.633

77.557
77.239
76.921

70.231

63.429

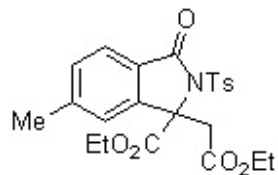
60.747

38.535

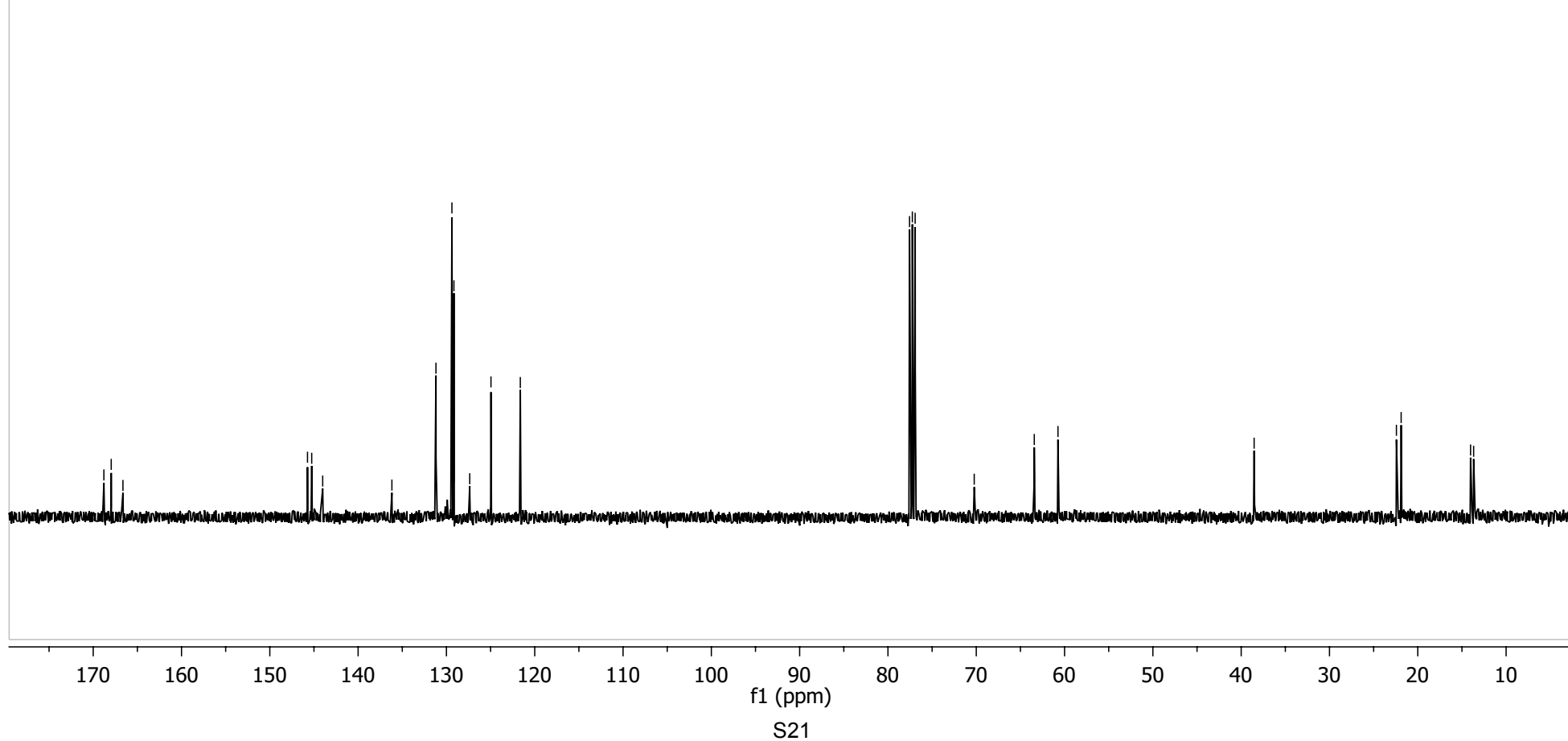
22.421
21.885

14.024
13.676

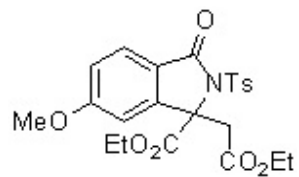
Parameter	Value
1 Title	Std proton
2 Origin	inova
3 Solvent	cdcl3
4 Pulse Sequence	s2pul
5 Temperature	3.0
6 Number of Scans	840
7 Spectrometer Frequency	100.54
8 Spectral Width	24125.5
9 Lowest Frequency	-1507.7
10 Nucleus	13C
11 Acquired Size	31375
12 Spectral Size	65536



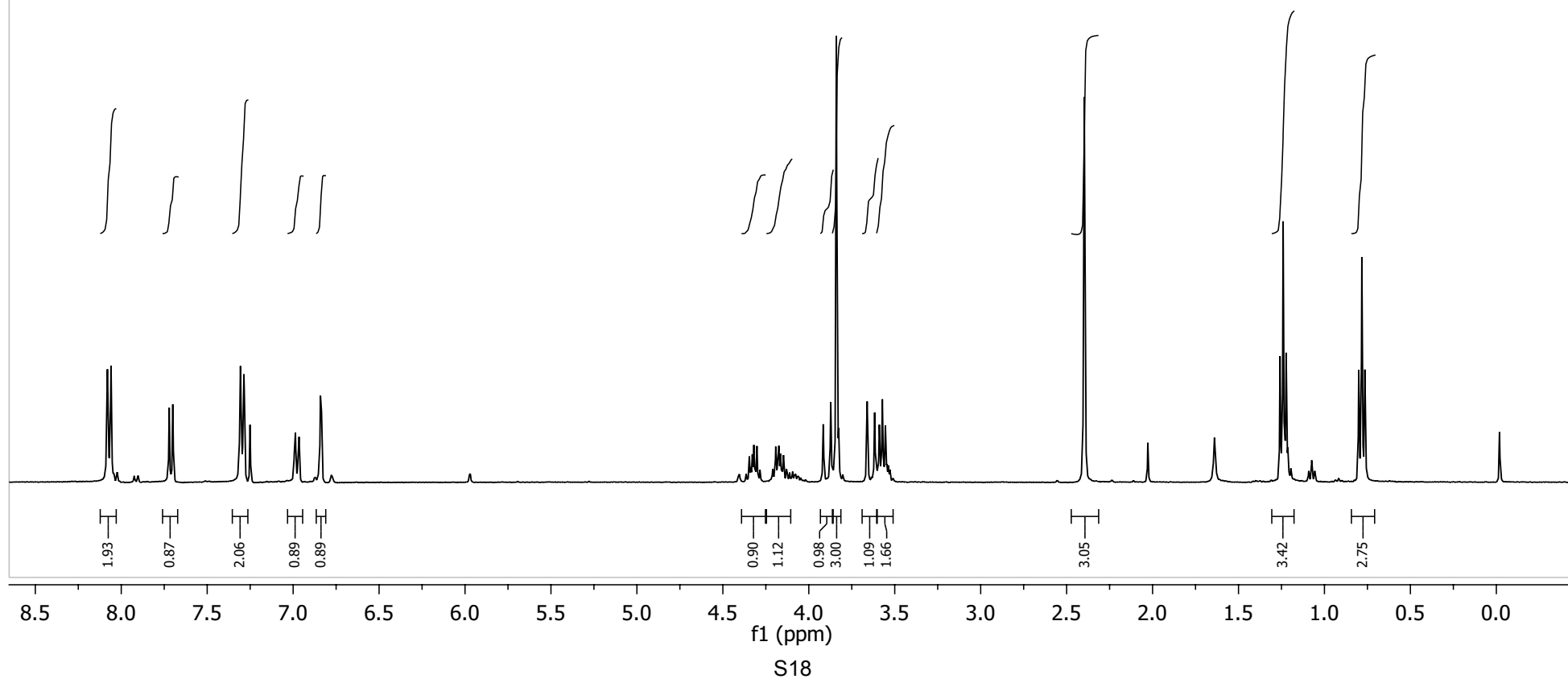
3n

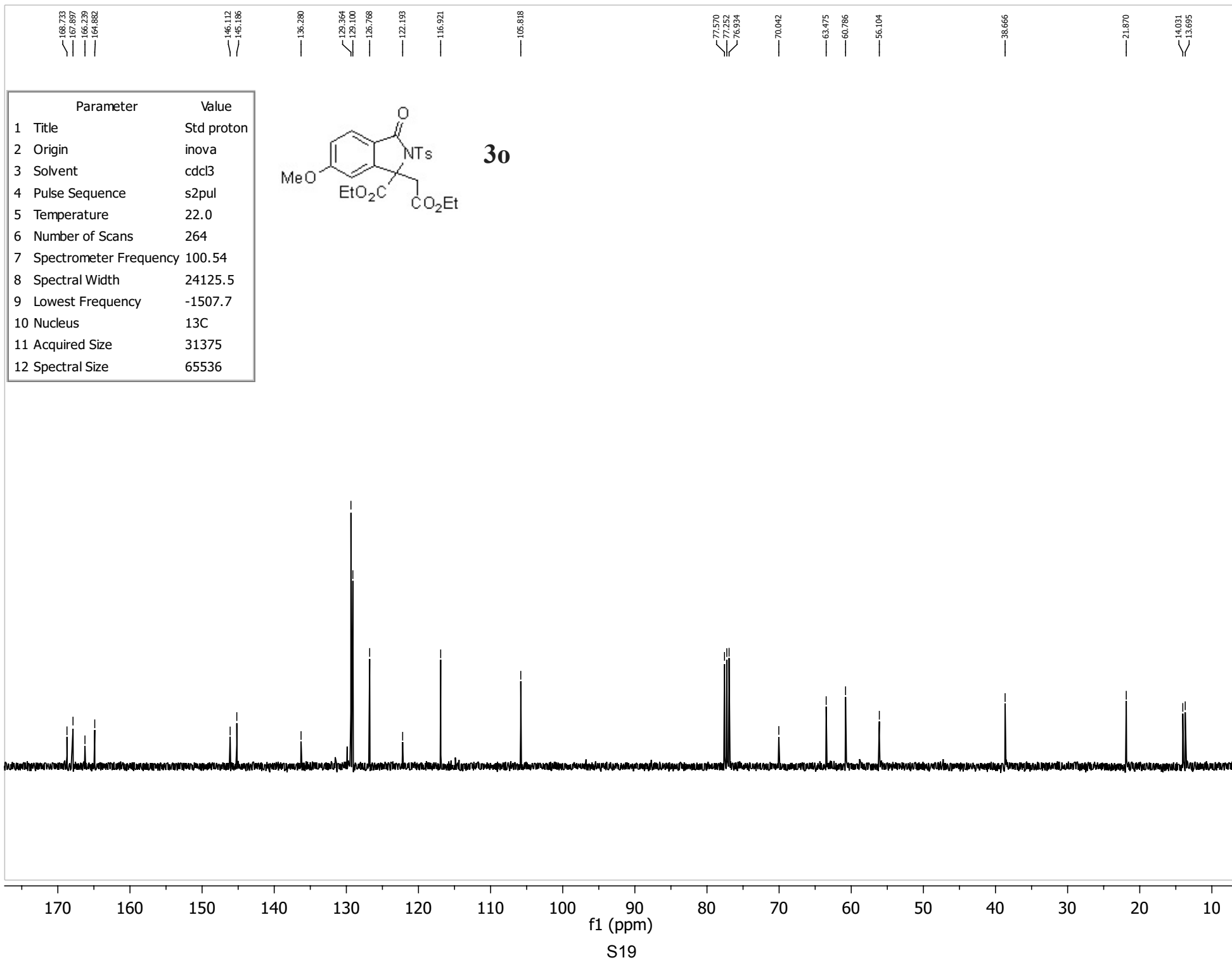


Parameter	Value
1 Title	Std proton
2 Origin	inova
3 Solvent	cdcl3
4 Pulse Sequence	s2pul
5 Temperature	22.0
6 Number of Scans	8
7 Spectrometer Frequency	399.78
8 Spectral Width	6396.4
9 Lowest Frequency	-799.5
10 Nucleus	1H
11 Acquired Size	13104
12 Spectral Size	32768

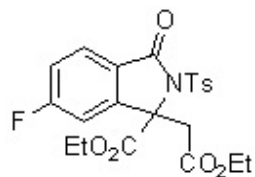


30

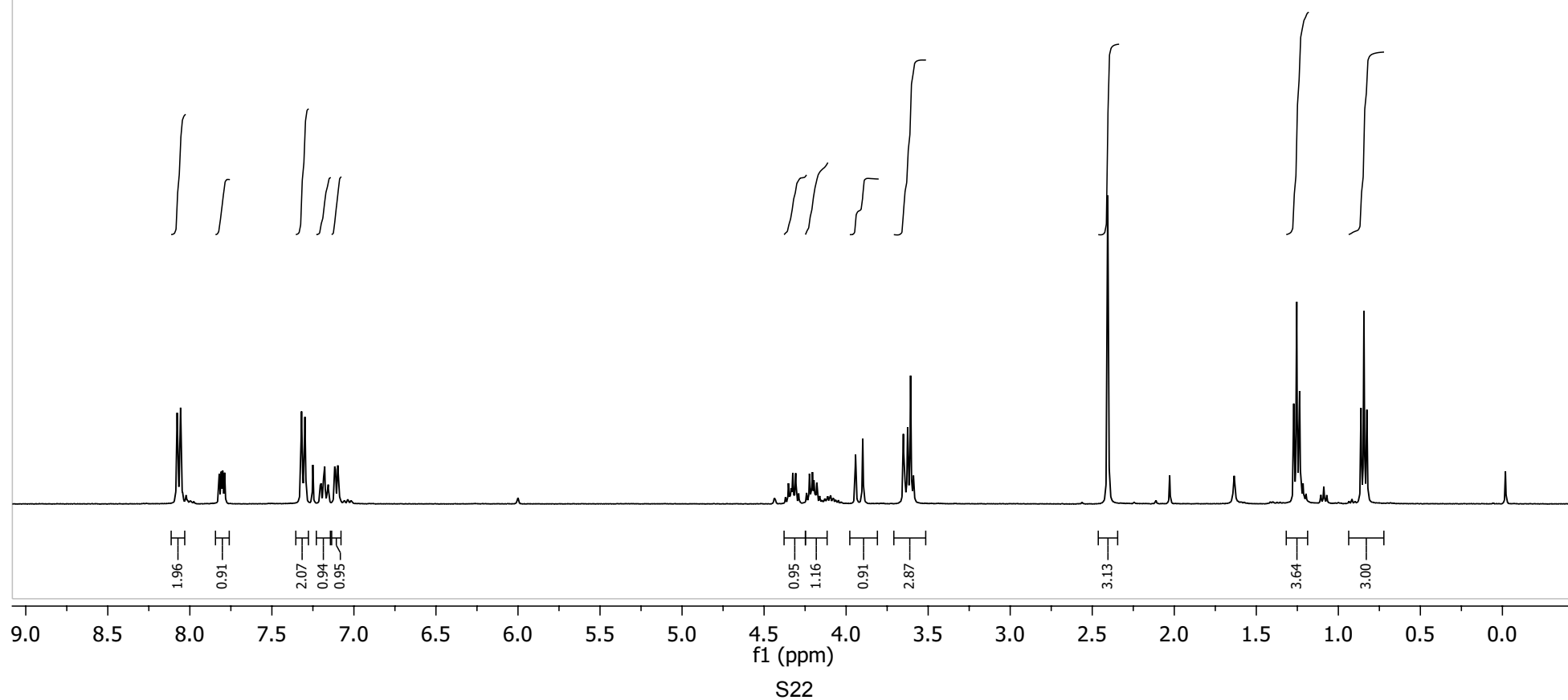


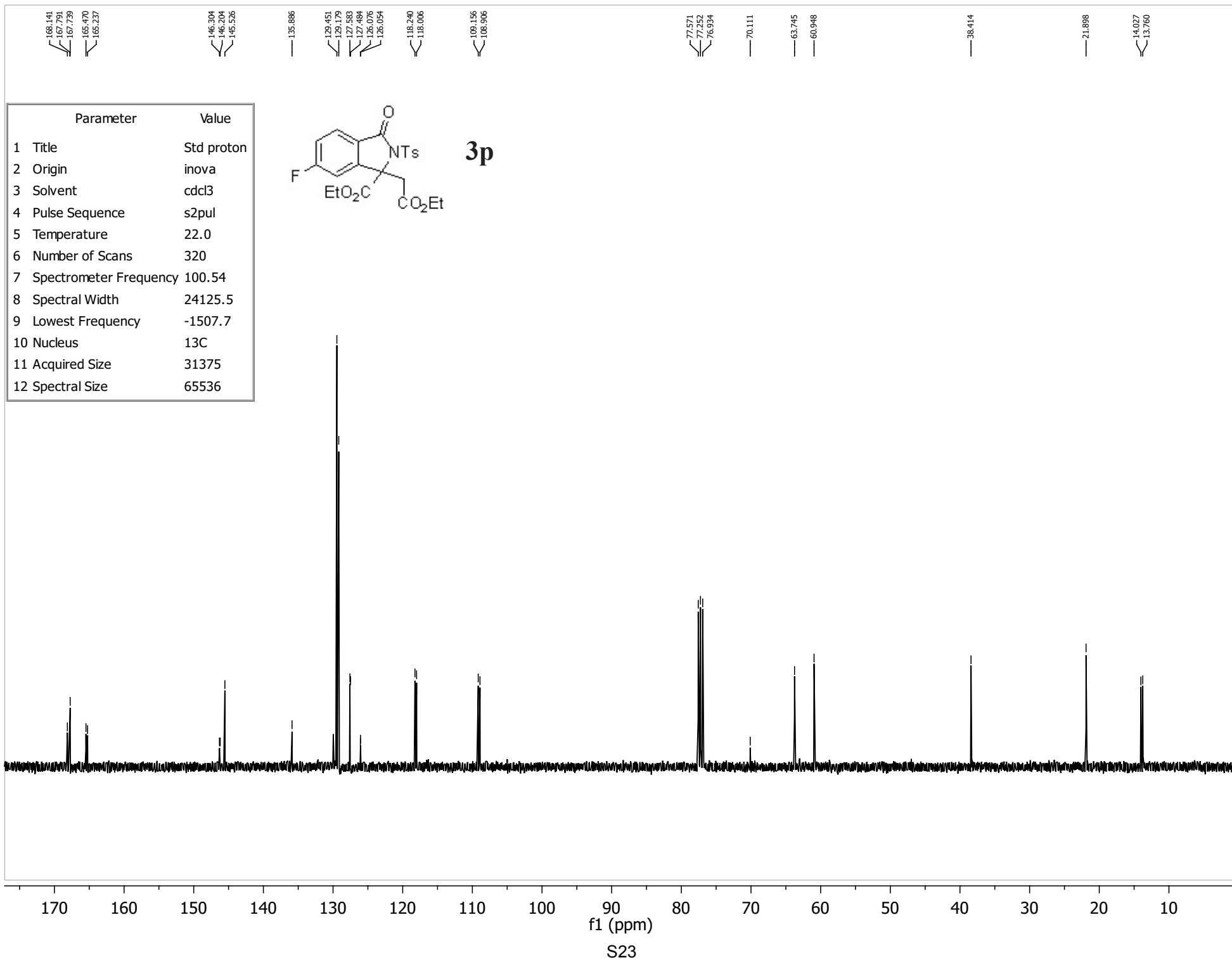


Parameter	Value
1 Title	Std proton
2 Origin	inova
3 Solvent	cdcl3
4 Pulse Sequence	s2pul
5 Temperature	22.0
6 Number of Scans	8
7 Spectrometer Frequency	399.78
8 Spectral Width	6396.4
9 Lowest Frequency	-799.5
10 Nucleus	1H
11 Acquired Size	13104
12 Spectral Size	32768

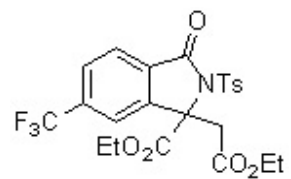


3p

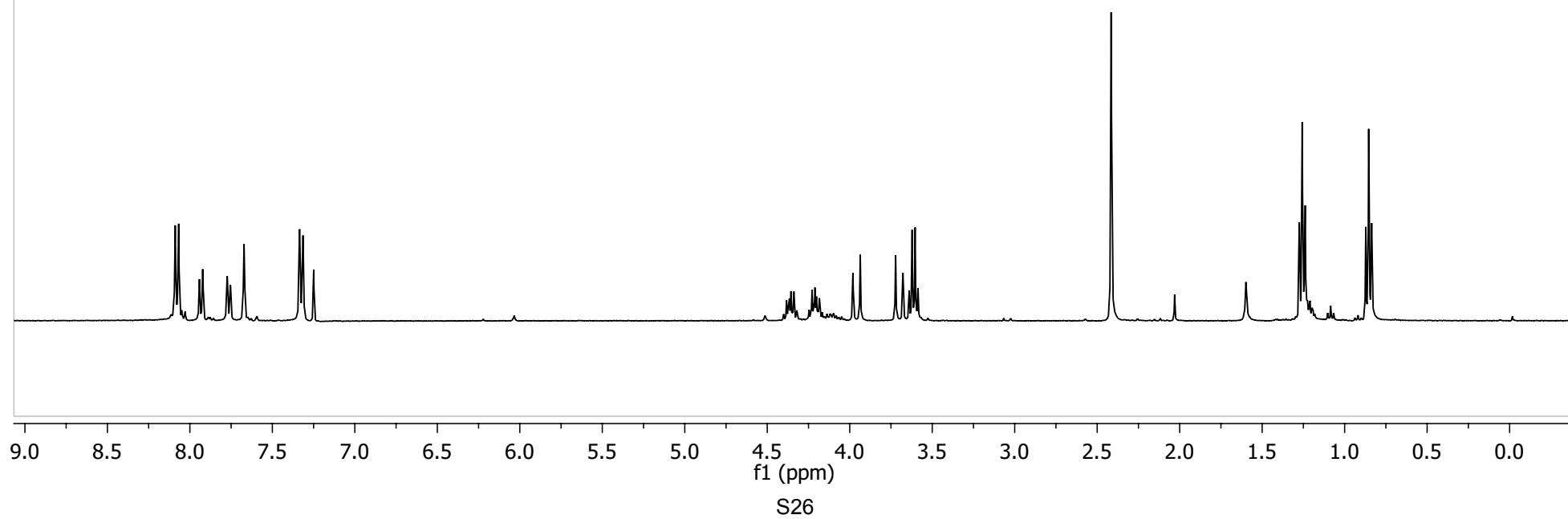


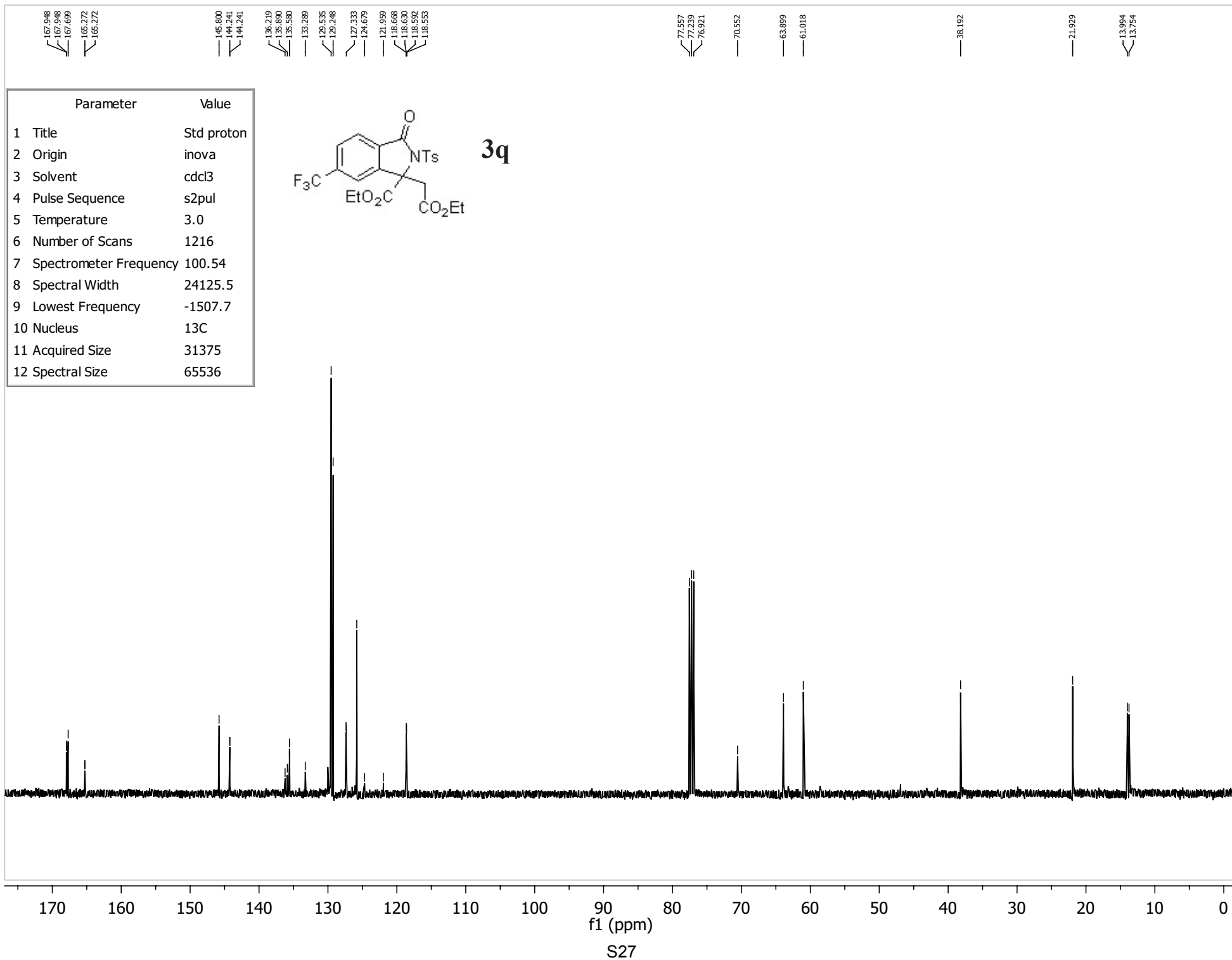


Parameter	Value
1 Title	Std proton
2 Origin	inova
3 Solvent	cdcl3
4 Pulse Sequence	s2pul
5 Temperature	30.0
6 Number of Scans	8
7 Spectrometer Frequency	399.78
8 Spectral Width	6396.4
9 Lowest Frequency	-799.5
10 Nucleus	1H
11 Acquired Size	13104
12 Spectral Size	32768

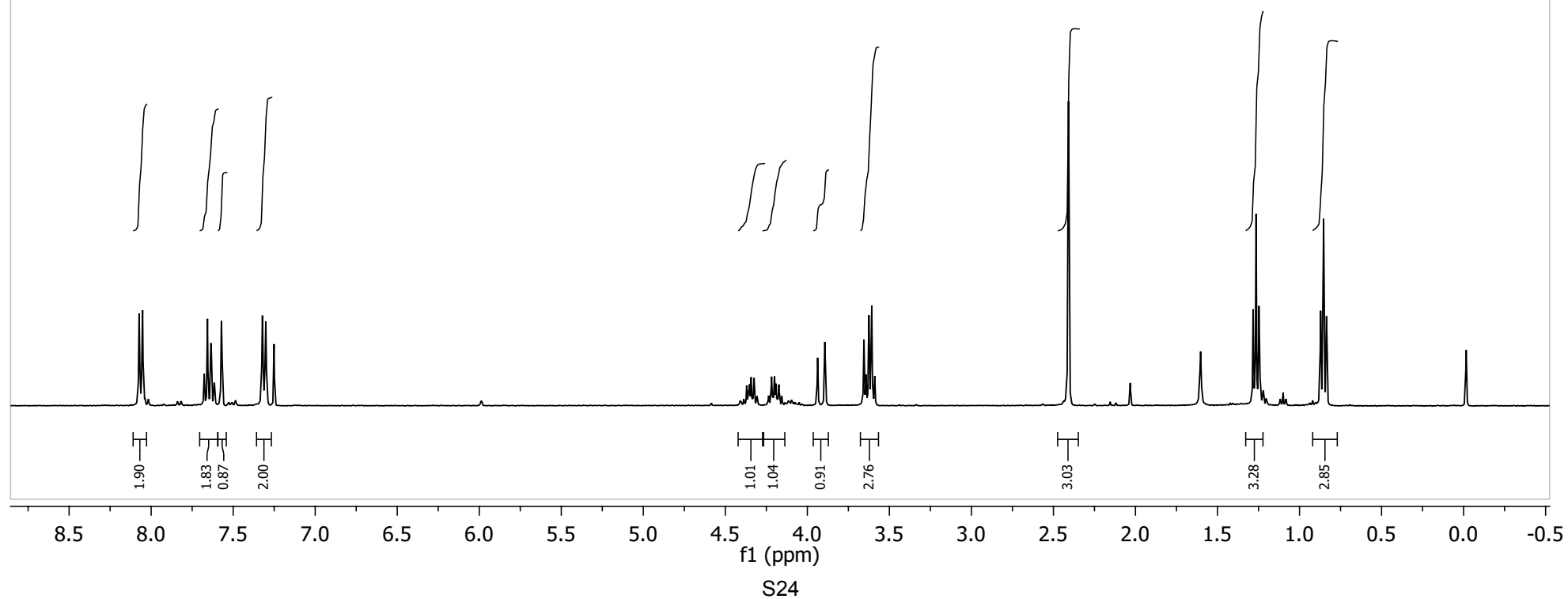
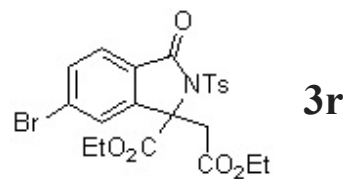


3q





Parameter	Value
1 Title	Std proton
2 Origin	inova
3 Solvent	cdcl3
4 Pulse Sequence	s2pul
5 Temperature	30.0
6 Number of Scans	8
7 Spectrometer Frequency	399.78
8 Spectral Width	6396.4
9 Lowest Frequency	-799.5
10 Nucleus	1H
11 Acquired Size	13104
12 Spectral Size	32768



168.134
167.731
165.717

145.593
145.288

135.805
133.650
129.203
128.979
126.439
124.718

77.563
77.246
76.928

69.996

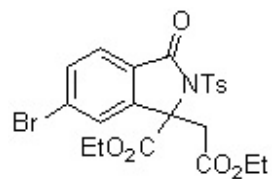
63.796
60.968

38.280

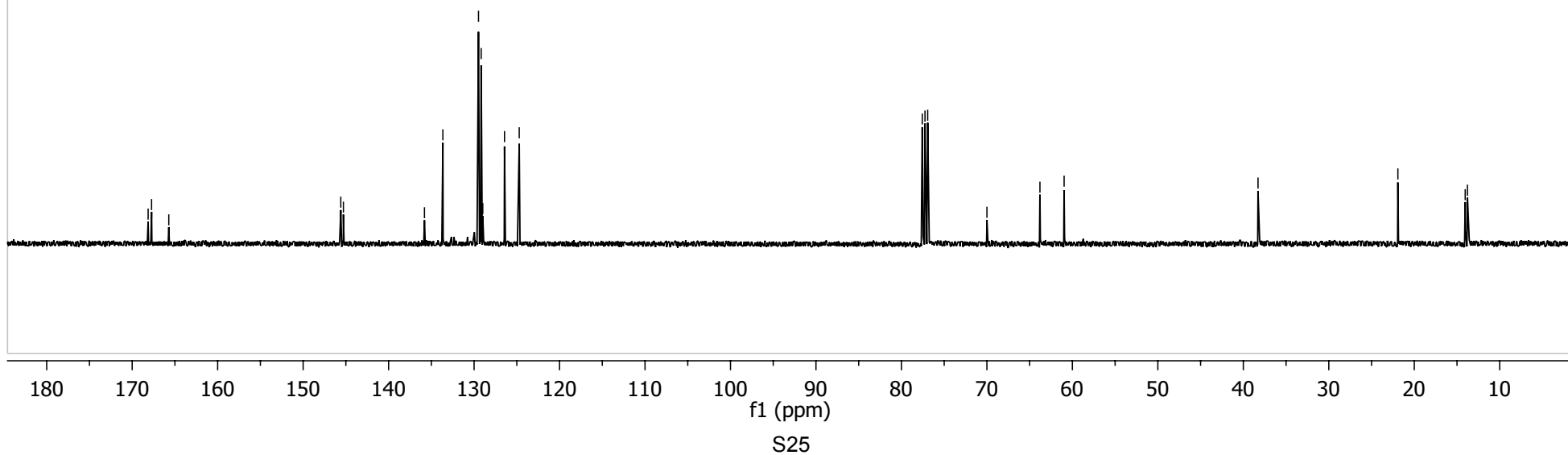
21.916

14.041
13.777

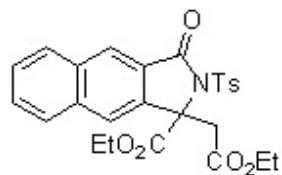
Parameter	Value
1 Title	Std proton
2 Origin	inova
3 Solvent	cdcl3
4 Pulse Sequence	s2pul
5 Temperature	3.0
6 Number of Scans	888
7 Spectrometer Frequency	100.54
8 Spectral Width	24125.5
9 Lowest Frequency	-1507.7
10 Nucleus	13C
11 Acquired Size	31375
12 Spectral Size	65536



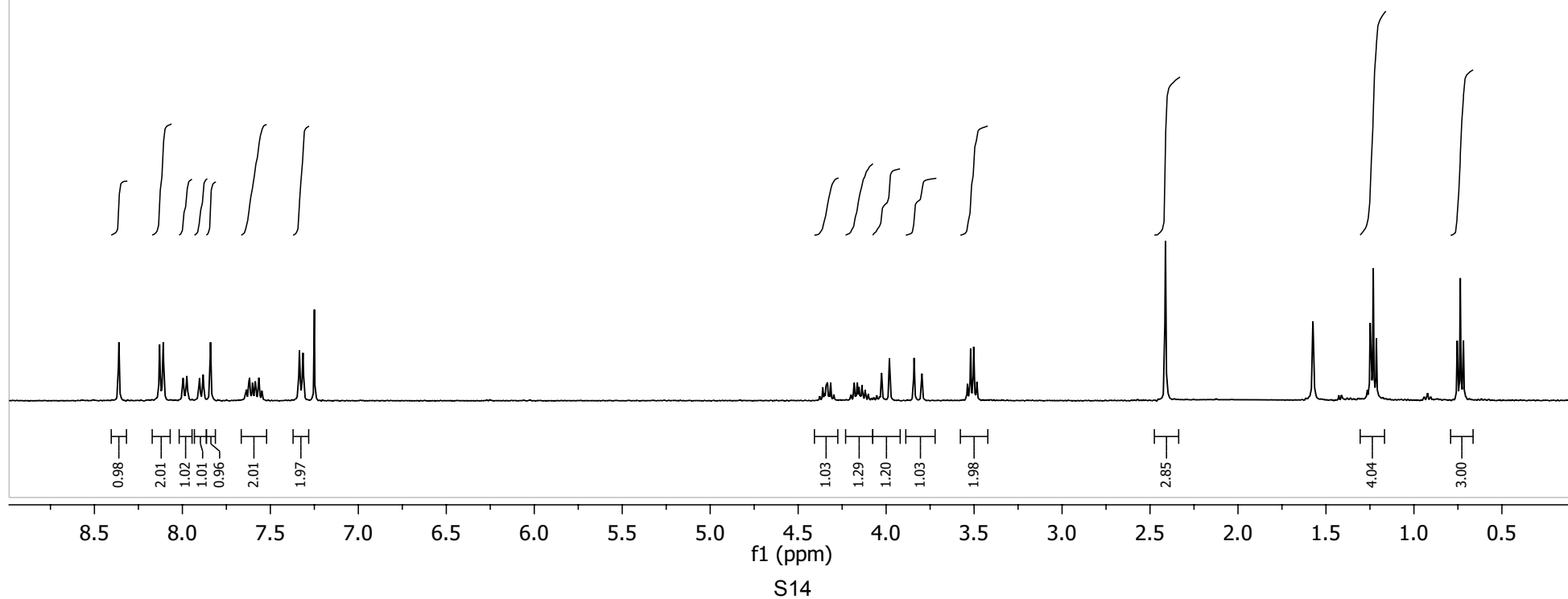
3r



Parameter	Value
1 Title	Std proton
2 Origin	inova
3 Solvent	cdcl3
4 Pulse Sequence	s2pul
5 Temperature	30.0
6 Number of Scans	8
7 Spectrometer Frequency	399.78
8 Spectral Width	6396.4
9 Lowest Frequency	-799.5
10 Nucleus	1H
11 Acquired Size	13104
12 Spectral Size	32768



3s



169.092
168.083
166.583

145.393

138.312

136.091

133.564

129.457

129.137

128.678

127.619

127.358

126.282

120.533

77.549

77.332

76.914

70.205

63.461

60.769

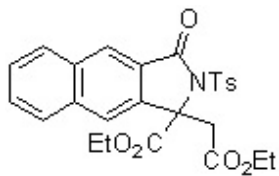
39.099

21.900

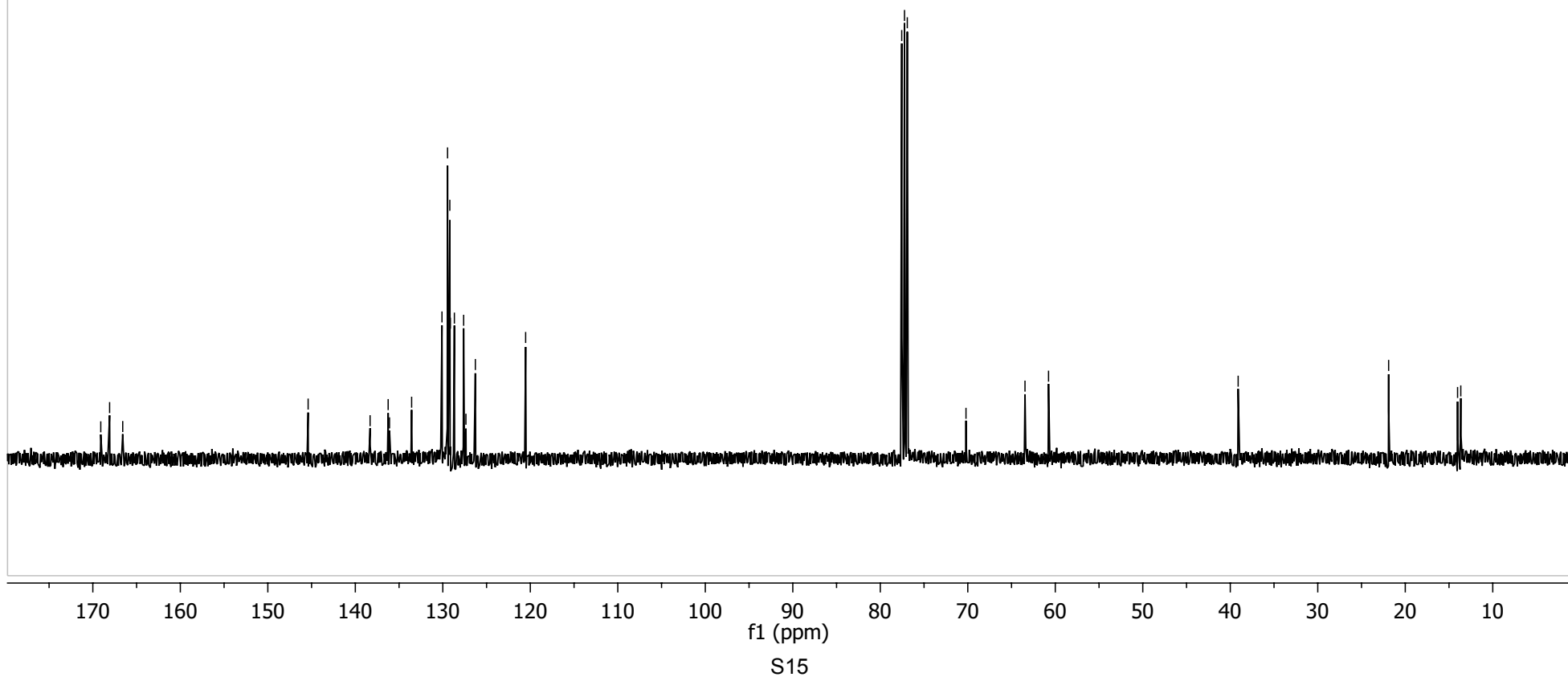
14.021

13.653

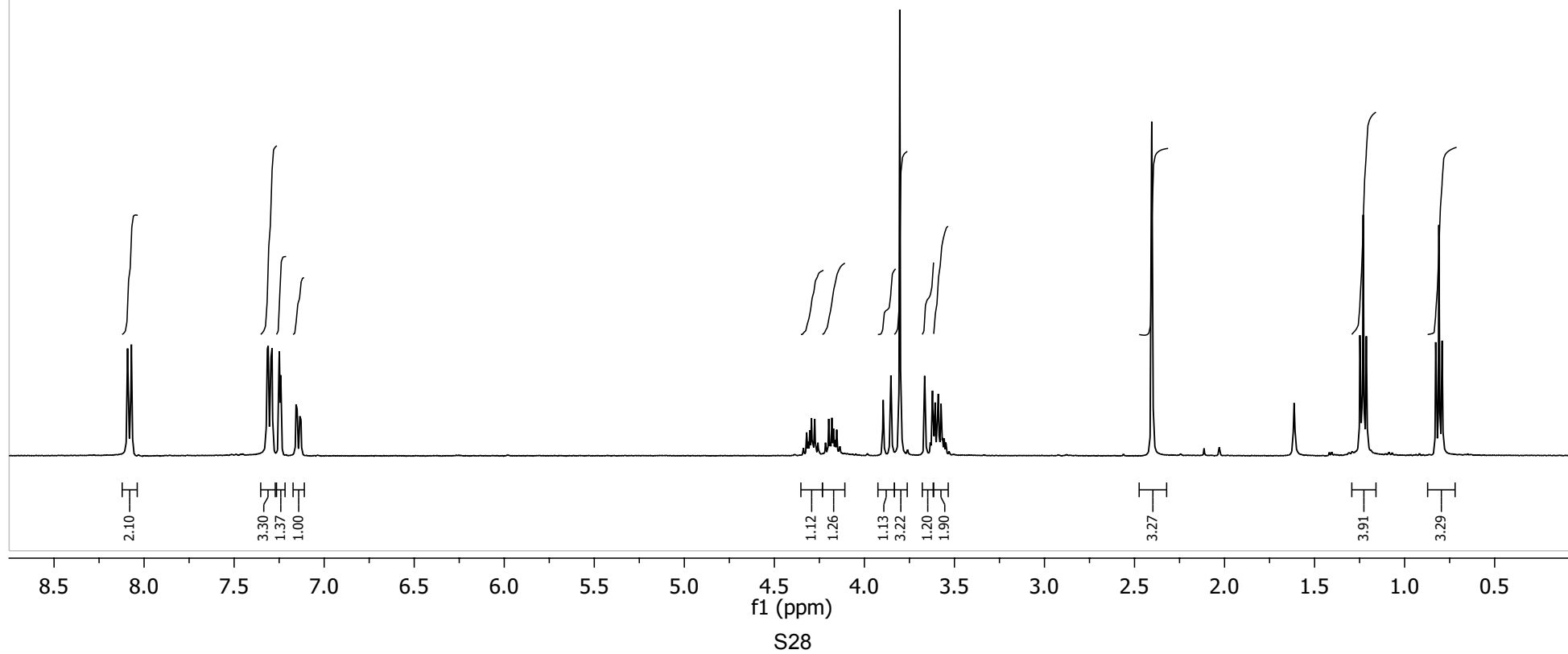
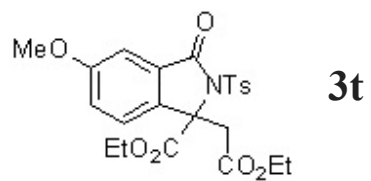
Parameter	Value
1 Title	Std proton
2 Origin	inova
3 Solvent	cdcl3
4 Pulse Sequence	s2pul
5 Temperature	3.0
6 Number of Scans	1440
7 Spectrometer Frequency	100.54
8 Spectral Width	24125.5
9 Lowest Frequency	-1507.7
10 Nucleus	13C
11 Acquired Size	31375
12 Spectral Size	65536

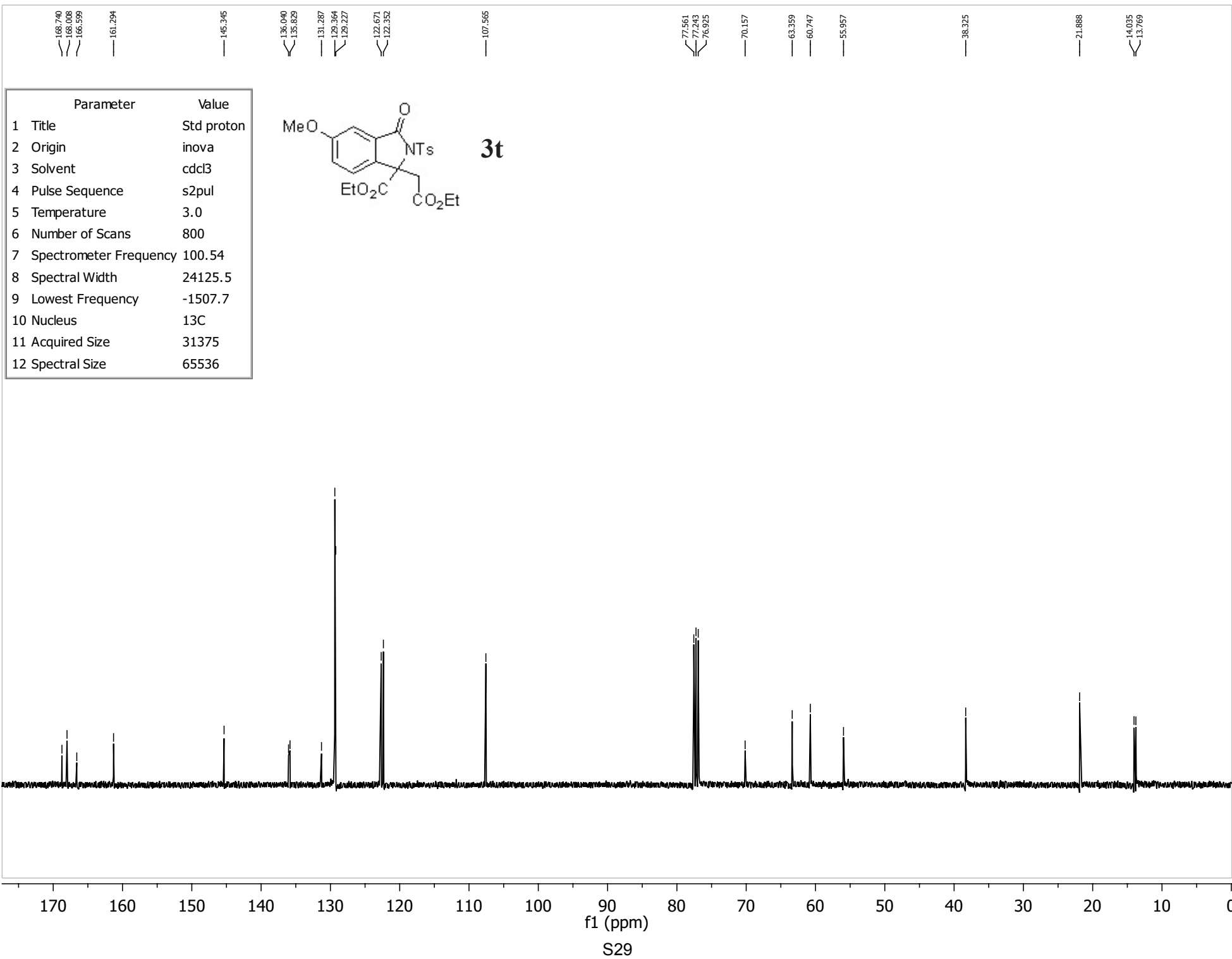


3s

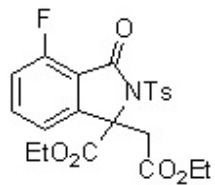


Parameter	Value
1 Title	Std proton
2 Origin	inova
3 Solvent	cdcl3
4 Pulse Sequence	s2pul
5 Temperature	30.0
6 Number of Scans	8
7 Spectrometer Frequency	399.78
8 Spectral Width	6396.4
9 Lowest Frequency	-799.5
10 Nucleus	1H
11 Acquired Size	13104
12 Spectral Size	32768

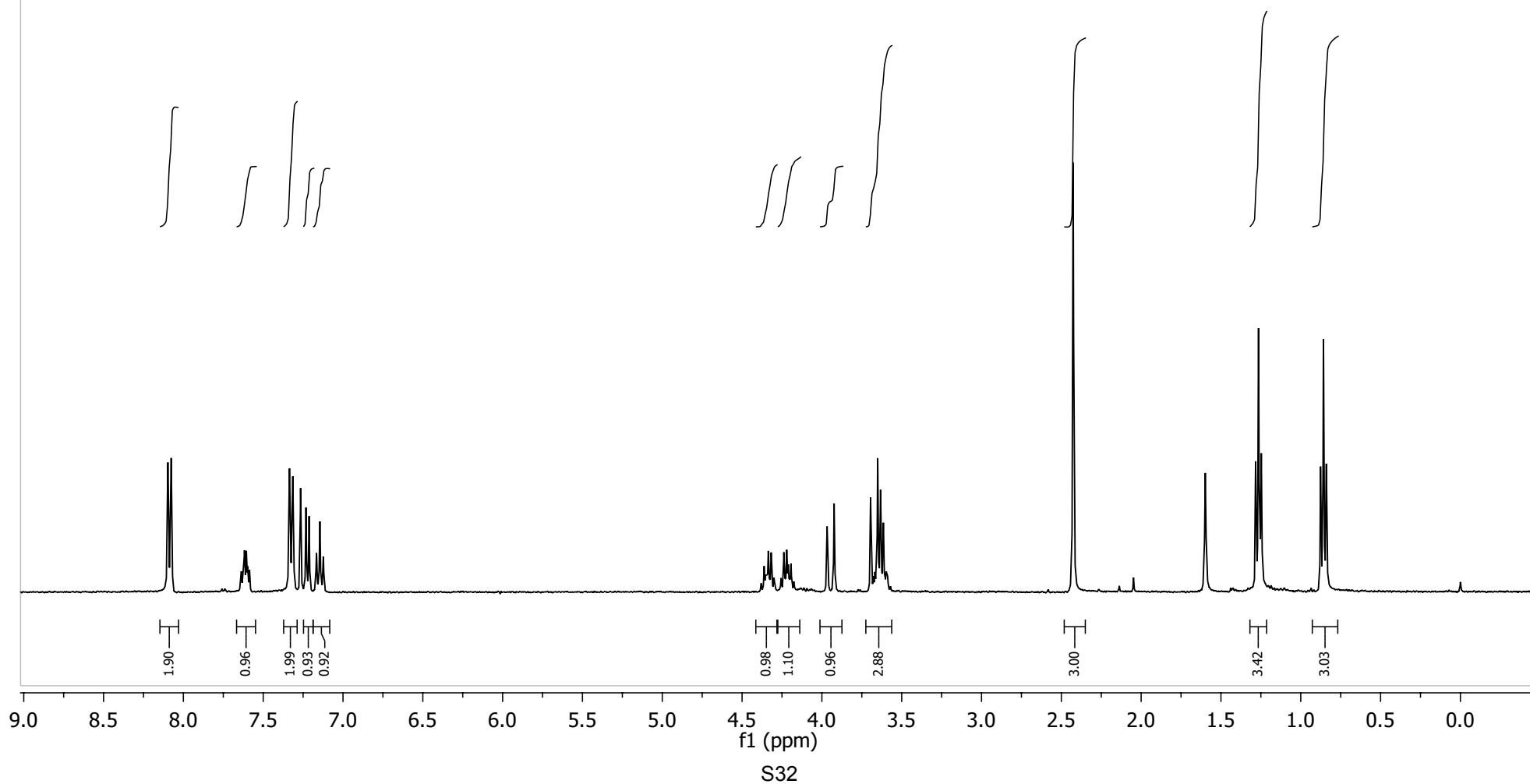




Parameter	Value
1 Title	Std proton
2 Origin	inova
3 Solvent	cdcl3
4 Pulse Sequence	s2pul
5 Temperature	30.0
6 Number of Scans	8
7 Spectrometer Frequency	399.78
8 Spectral Width	6396.4
9 Lowest Frequency	-793.5
10 Nucleus	1H
11 Acquired Size	13104
12 Spectral Size	32768



3u



168.192
167.782

163.311
163.285

160.728

158.090

145.930
145.907
145.579

136.476
136.397
135.705

129.456
129.301

117.524
117.336
117.210
117.168

77.564
77.246
76.928

70.070

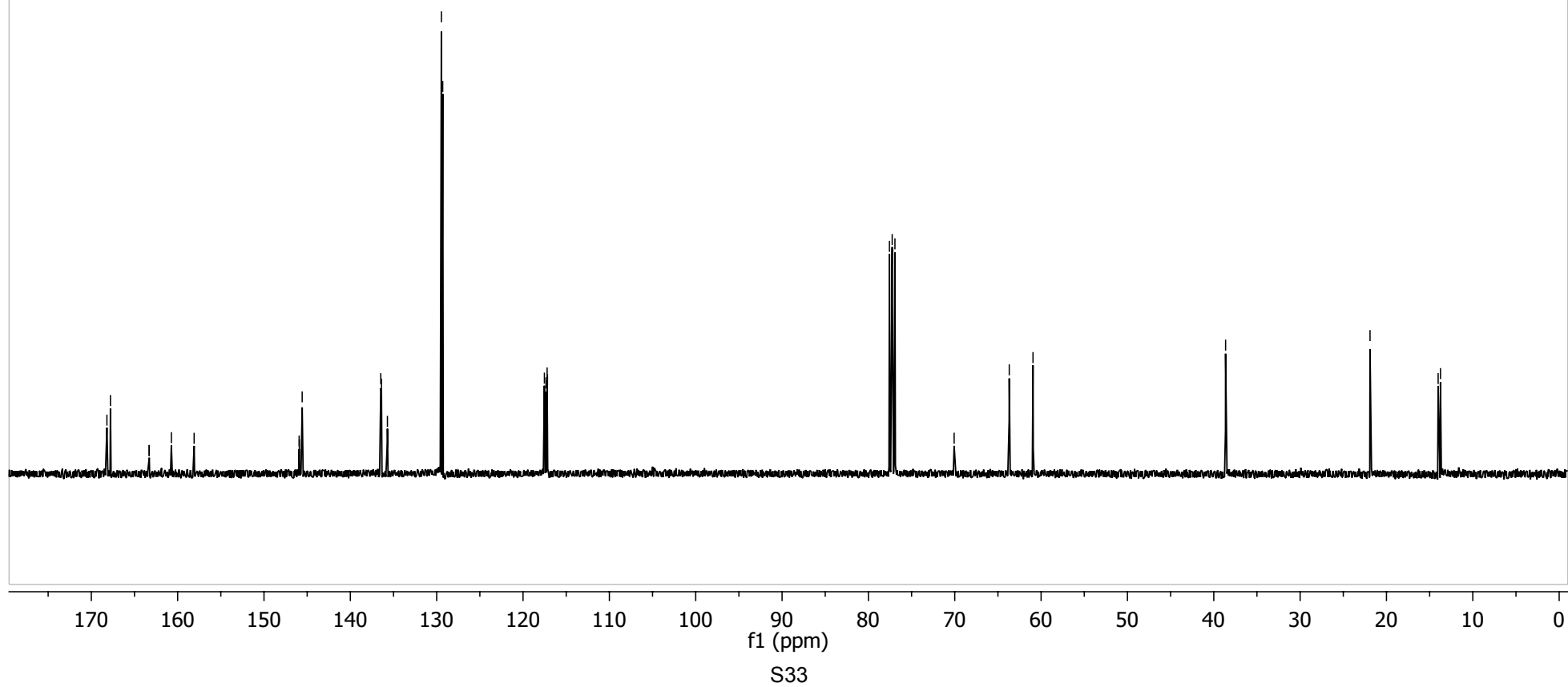
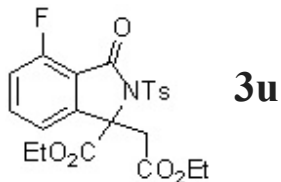
63.688
60.937

38.632

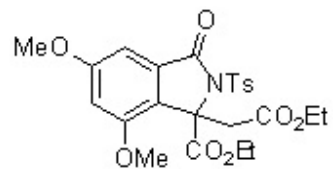
21.905

14.016
13.743

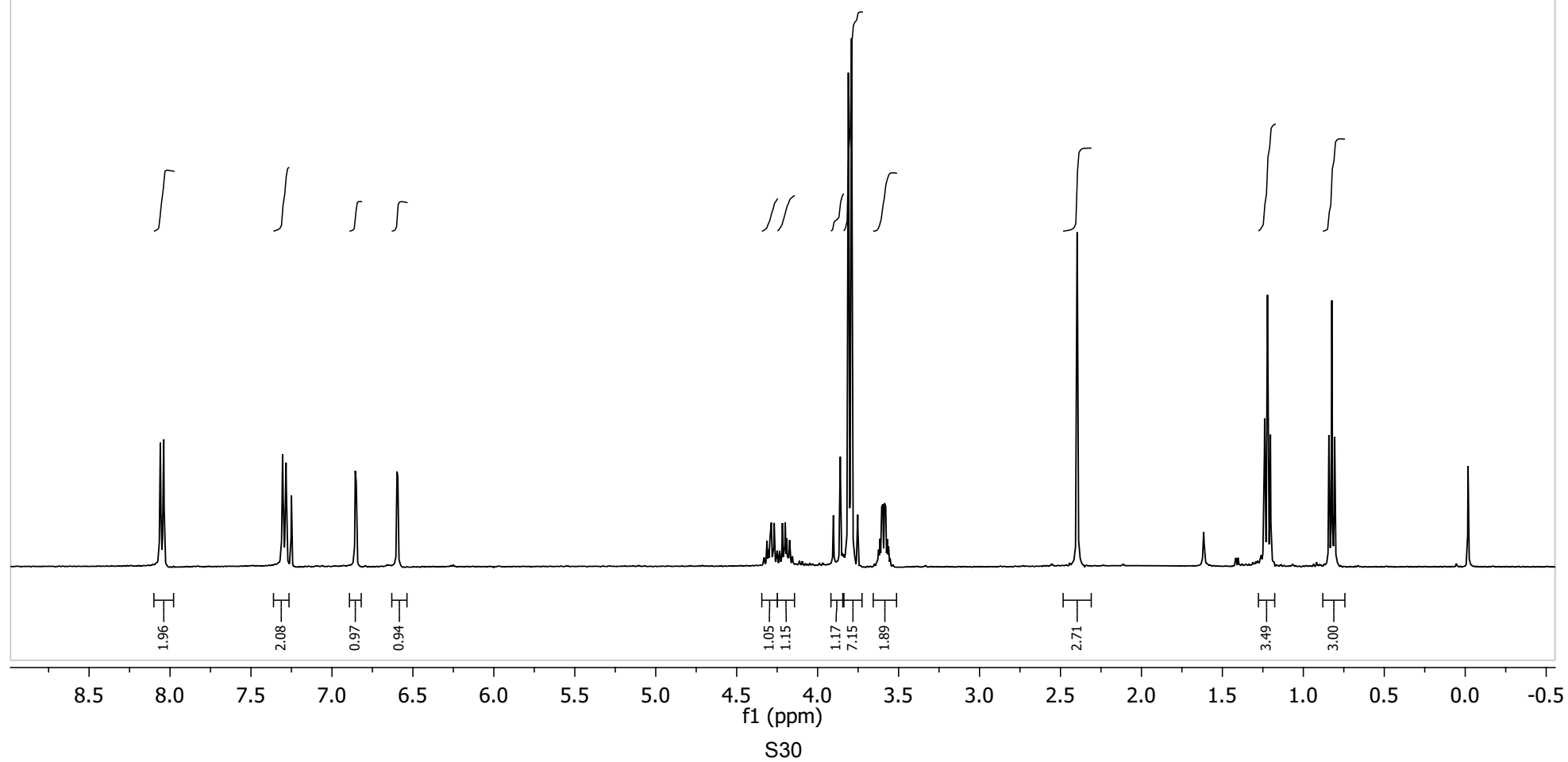
Parameter	Value
1 Title	Std proton
2 Origin	inova
3 Solvent	cdcl3
4 Pulse Sequence	s2pul
5 Temperature	3.0
6 Number of Scans	960
7 Spectrometer Frequency	100.54
8 Spectral Width	24125.5
9 Lowest Frequency	-1507.7
10 Nucleus	13C
11 Acquired Size	31375
12 Spectral Size	65536



Parameter	Value
1 Title	Std proton
2 Origin	inova
3 Solvent	cdcl3
4 Pulse Sequence	s2pul
5 Temperature	50.0
6 Number of Scans	8
7 Spectrometer Frequency	399.78
8 Spectral Width	6396.4
9 Lowest Frequency	-799.5
10 Nucleus	1H
11 Acquired Size	13104
12 Spectral Size	32768



3v



168.616
167.752
166.776
162.852
155.091
145.264
136.086
132.509
129.378
129.097
124.336
105.091
98.742
77.563
77.245
76.927
69.304
62.928
60.537
56.075
36.023
21.874
14.055
13.819

Parameter	Value
1 Title	Std proton
2 Origin	inova
3 Solvent	cdcl3
4 Pulse Sequence	s2pul
5 Temperature	50.0
6 Number of Scans	1024
7 Spectrometer Frequency	100.54
8 Spectral Width	24125.5
9 Lowest Frequency	-1507.7
10 Nucleus	13C
11 Acquired Size	31375
12 Spectral Size	65536

