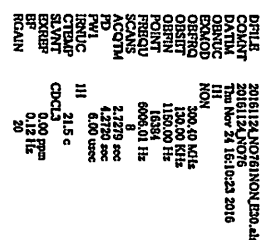


FILE 20161011 NO72INON.EI.4s
 COUNT 20161011 NO72
 DATE 2016 Oct 11 16:17:44 2016
 NAME III
 METHOD EXMOD
 INSTRUMENT 300.40 MHz
 OBSERVATION 150.00 MHz
 POINT 16384
 FREQ 600.01 Hz
 SCANS 8
 AVERAGING 2.2779 sec
 PD 4.2720 sec
 PULPROG 6.00 usec
 INSTRUM III
 CHANNEL 22.1 e
 CPM 0.00 ppm
 EXREF 0.12 Hz
 BF 22
 RGAIN

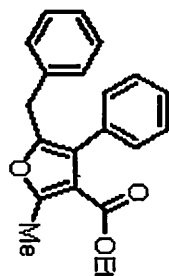
302

[illegible]

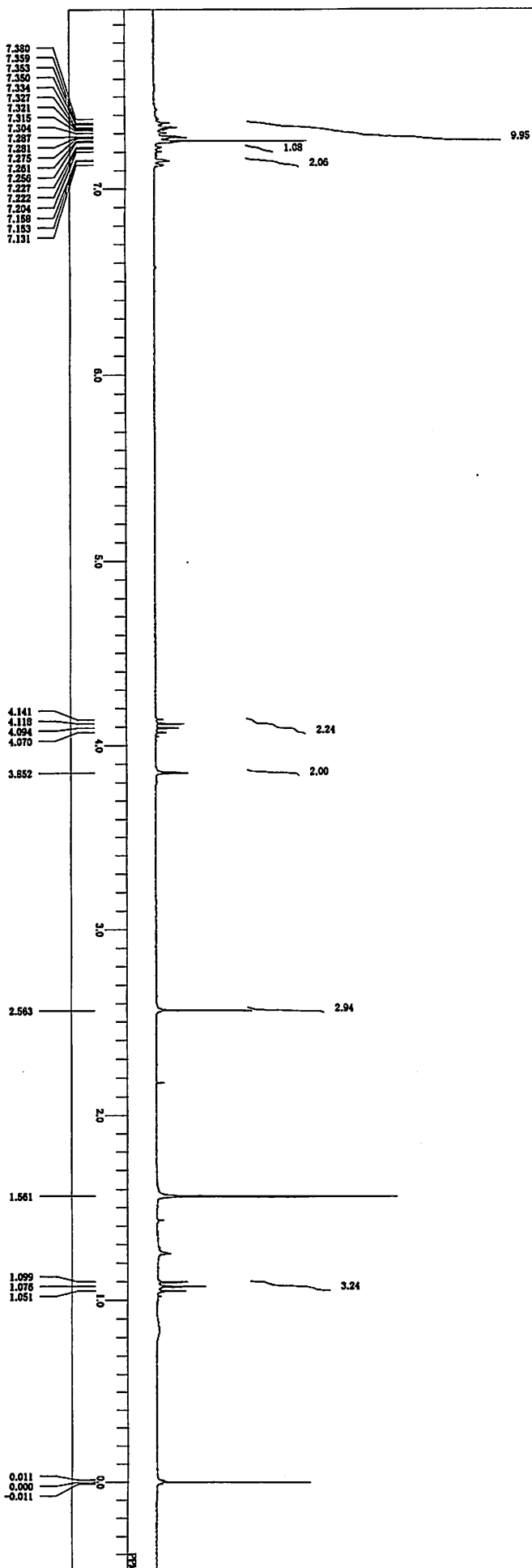




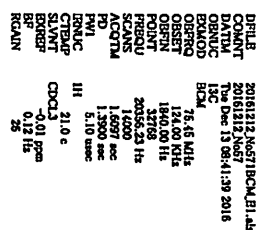
DETAILS	20181025,NOT1BICM,B55
COMANT	20181025
DRINK	13C
EXAMOD	Oct 25 15:09:12 2016
OFFREQ	BCM
ORIENT	74.48 MHz
POINT	1544.00 Hz
POINT	33769
PREBU	201810,23 1h
ACQSTA	201810,23 1h
PD	1,5000 sec
PRC	1,5000 sec
PRC	1,5000 sec
PRC	5,10 usec
PRC	III
PRC	20,4 c
SLAVNT	CD13
DEBEP	77.00 ppm
BP	0,12 Hz
RCLOC	25

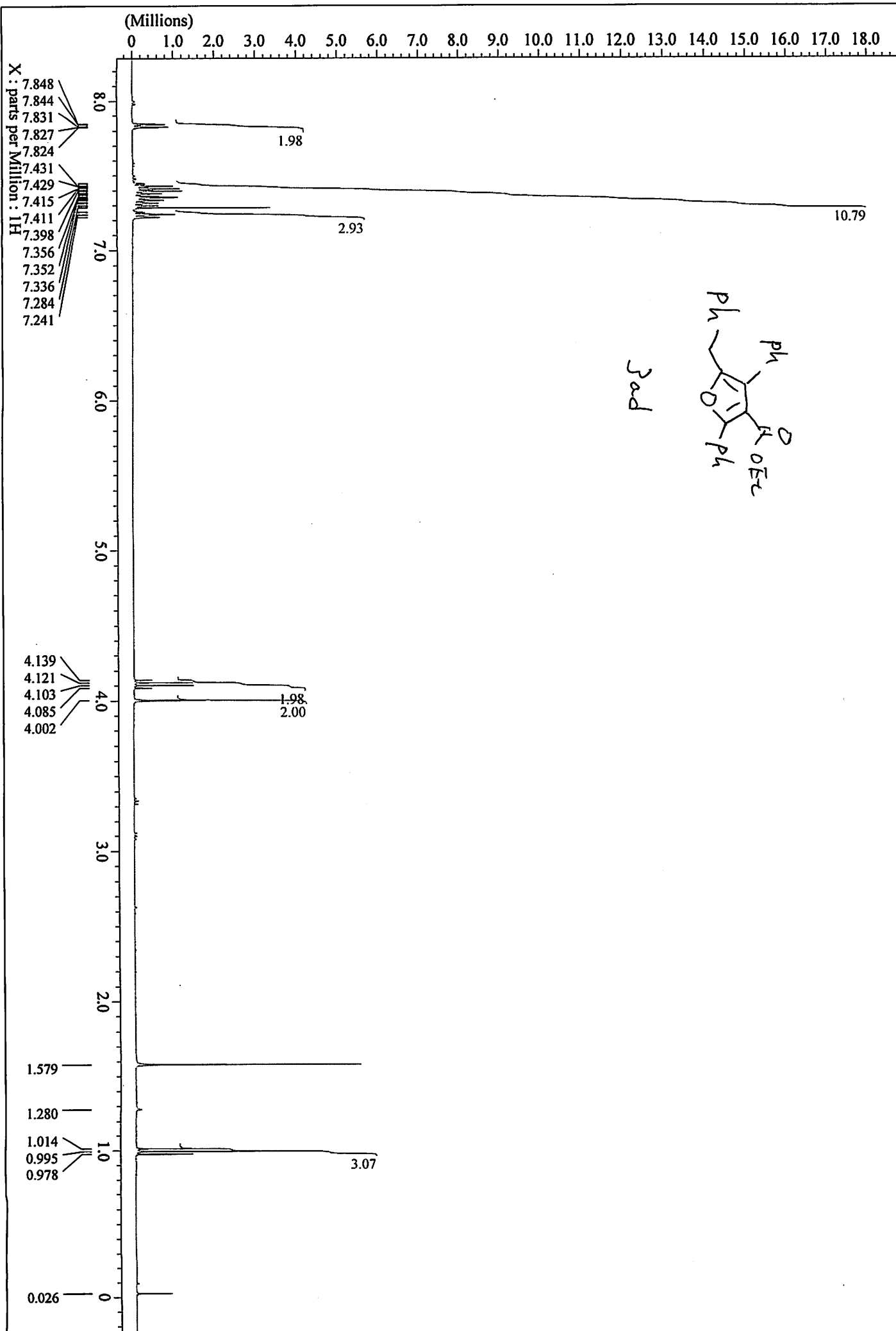


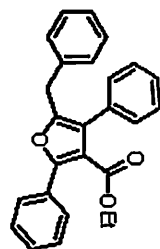
3ac



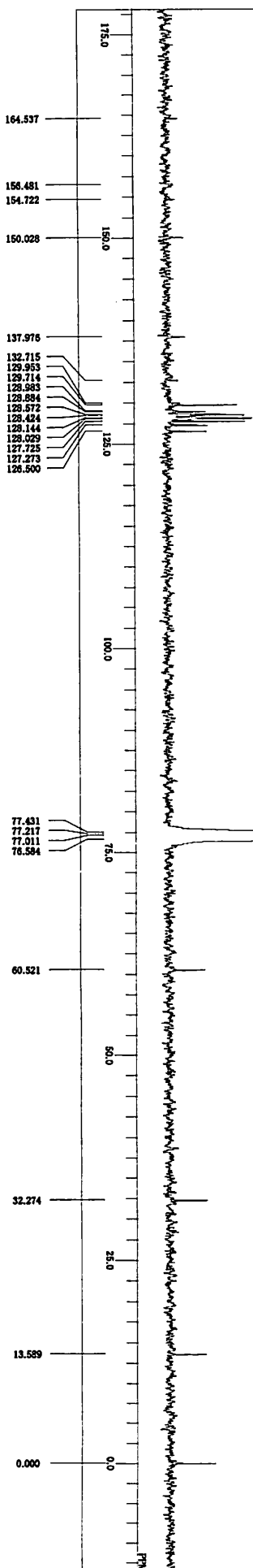
DETLE 20161129_NOS7.NON.D26.41
 COUNT 20161129_NOS7
 DATE Thu Nov 29 14:12:28 2016
 10
 EXNO 1
 ORFNO 300.40 MHz
 ORFRT 130.00 Hz
 ORIN 1180.00 Hz
 ORNT 1180.00 Hz
 PRSQ 6006.01 Hz
 SCANS 8
 ACQTM 2.1779 sec
 PUL 4.000 sec
 IRNUC 1H
 CTBAP 20.1 c
 STNNT CDCl3
 SNUBP 0.12 Hz
 BRNIN 23



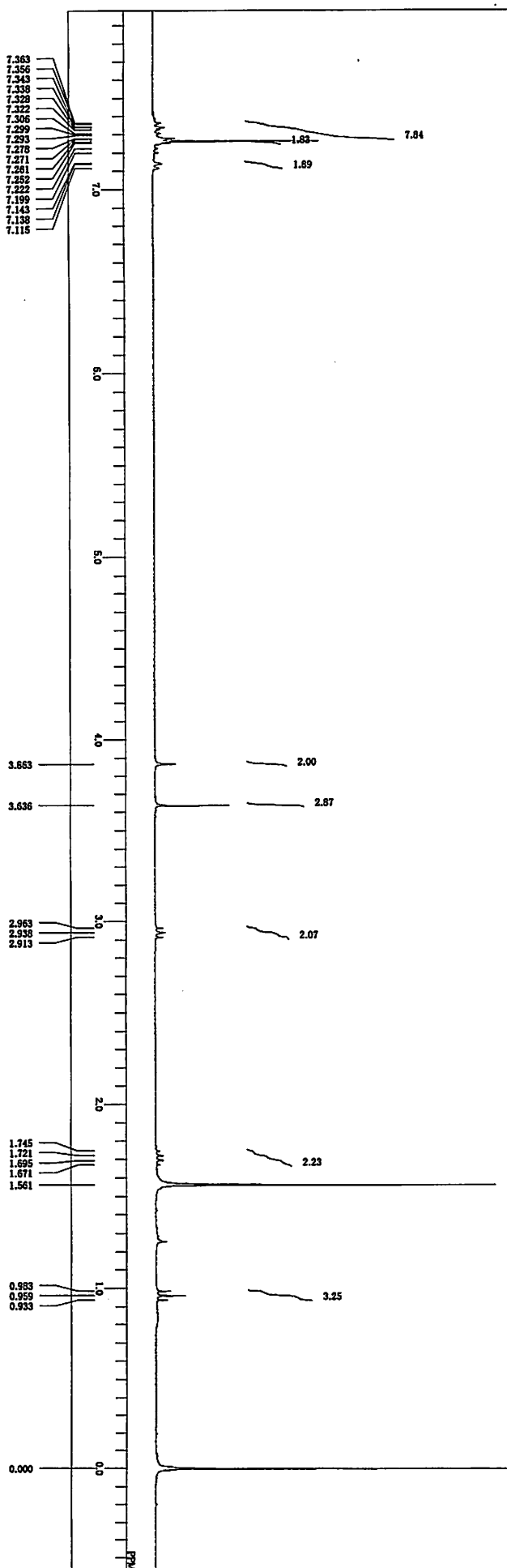
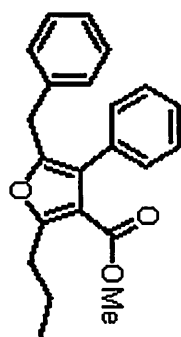




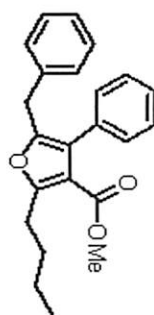
3ad



DPFILE 20161217 No78/BCM.E13.ac
 COMPT 20161217 No78
 DNAME 13C
 ORNAM 13C
 EXMOD BCM
 OBERQ 76.45 MHz
 OBERF 164.00 MHz
 OBERN 164.00 MHz
 POINT 32768
 FREQQU 200166.23 Hz
 SCANS 28800
 ACQTIME 1.3500 sec
 PD 5.10 sec
 PULP 1H
 CHNAP 20.7 e
 SNUVT 0.00 ppm
 BKREF 4.20 Hz
 RGAIN 28

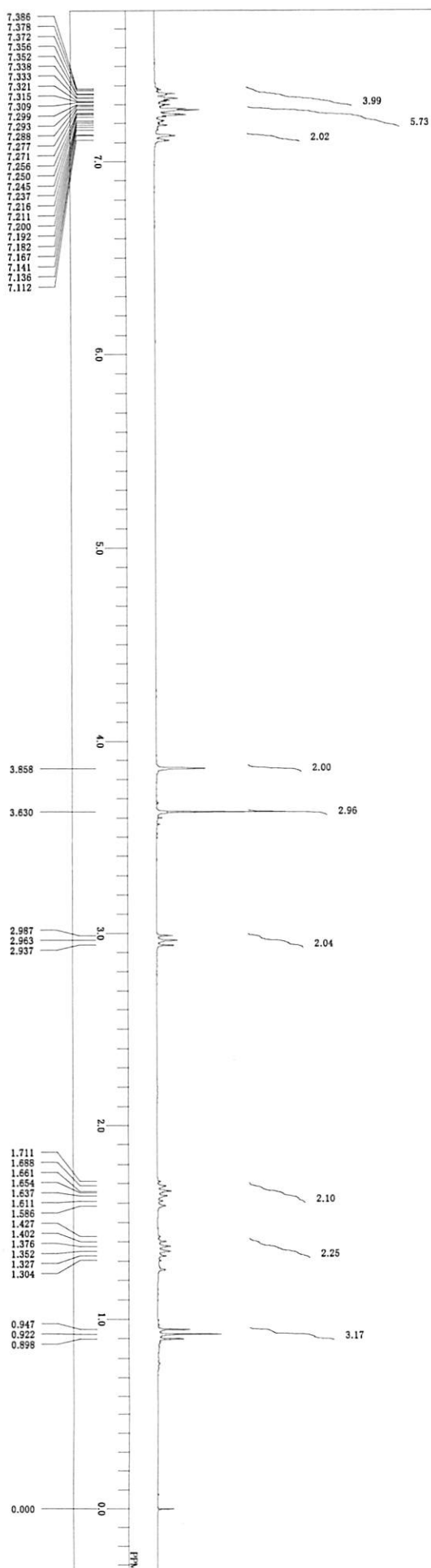


FILE 20161122.N077
 COUNT 20161122.N077
 DATE Tue Nov 22 14:13:17 2016
 NAME NON
 ORIGIN 300.40 MHz
 ORIGIN 130.00 MHz
 ORIGIN 115.00 MHz
 SCANS 8
 ACQTIME 2.7779 sec
 FWHM 4.670 sec
 INTENS 20.4 c
 CTBAP CDCl3
 SOLVENT CDCl3
 SPPH 0.12 Hz
 BP 24
 RCALIB



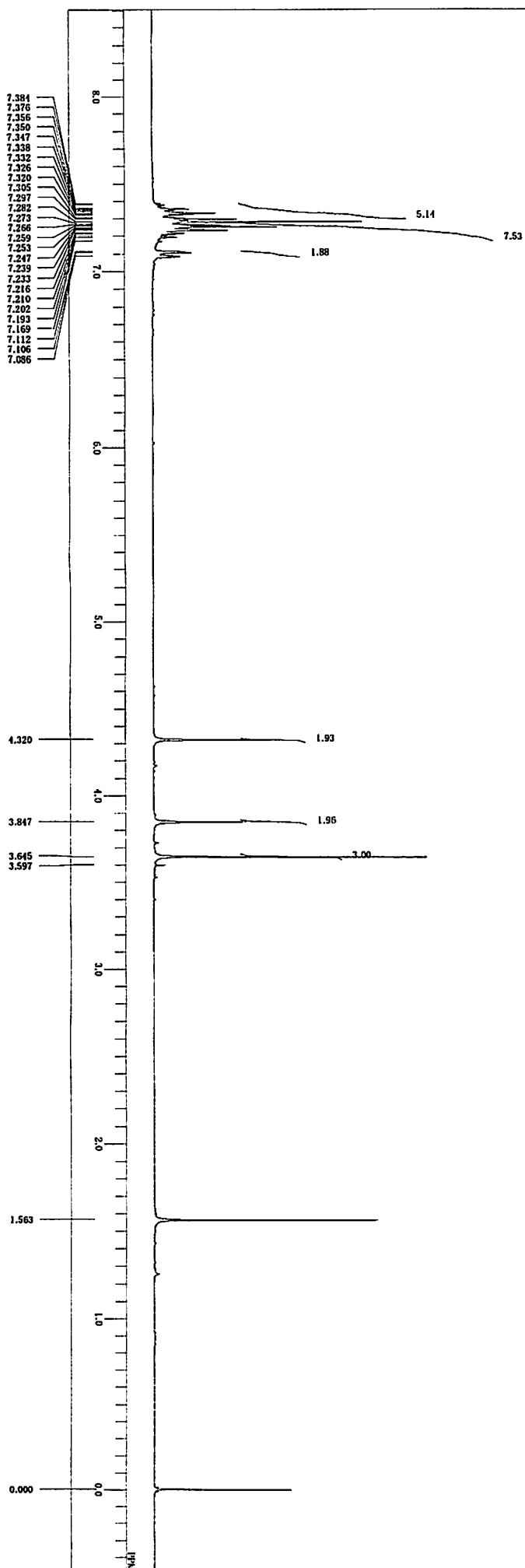
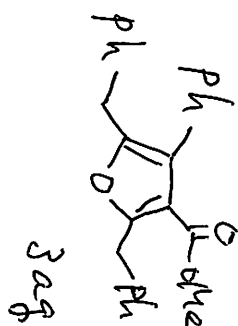
3.05

FILE 20161017.N062\NON.E33.sls
 COUNT 20161017.N062
 DATE Mon Oct 17 13:59:00 2016
 NAME NON
 INSTR 300.40 MHz
 PULPROG zgpg30
 ORIGIN 130.00 KHz
 F2 150.00 Hz
 FREQ 600.01 Hz
 SCANS 8
 ACQTM 2.7279 sec
 TD 65536
 SFO 400.146 MHz
 IRNUC 1H
 CTBAP 20.2 c
 SOLVT CDCl3
 EXRGPR 0.50 ppm
 RF 10.12 Hz
 RCNIN 14

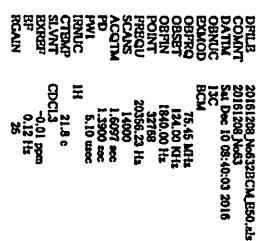


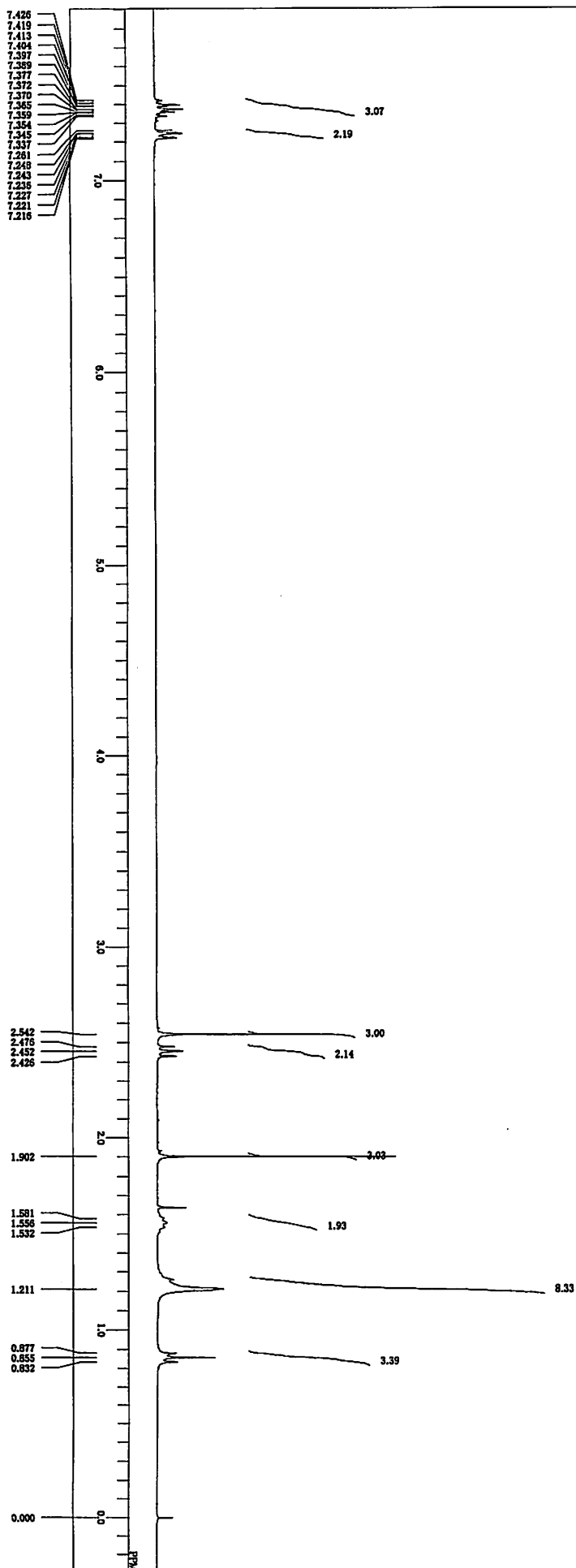
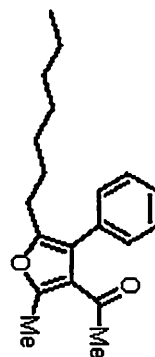


DRILE	20111120 M42 BCK	ESB
COMAT	20111120 M42	
DATUM	The Date 01:08:37:59 2016	
BRADON	HC	
BRADON	BCK	
ORSHEN	71.42 MHz	
ORSHEN	121.00 MHz	
POINT	184.00 Hz	
PREBUZ	32768	
SCANS	201356.23 Hz	
ACQTIME	1.6000	
PW1	1.6000 sec	
IRBLUC	1.6000 sec	
CTBLAP	5.10 usec	
SLVANT	21.5 c	
BRADON	CD13	
IRBLAN	77.00 ppm	
	0.12 Hz	
	25	

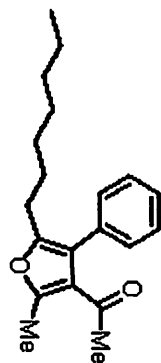


DRILL 20160915_NO63_51o7\NON_H1_4h
COUNT 120.00 KHz
SOLVENT CHCl₃
PULSE 16.00 Hz
PROG 6006.01 Hz
SCANS 16
ACQTM 2.4779 sec
F1 4.4229 sec
PUL 6.00 sec
IRNUC III
CTEMP 21.8 °C
SOLVENT CHCl₃
SOLVENT 120.00 KHz
RF 0.12 Hz
RGAIN 19

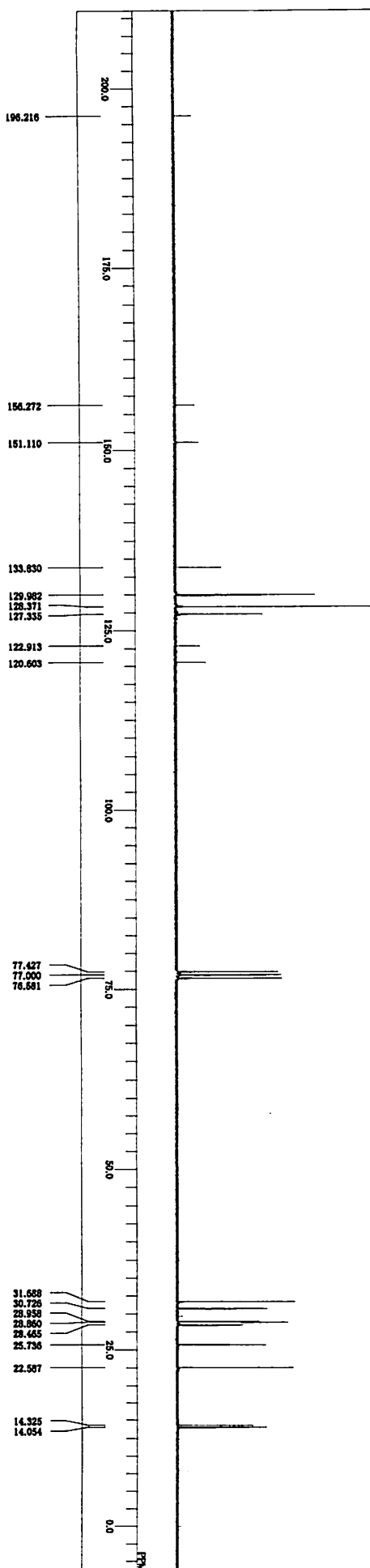




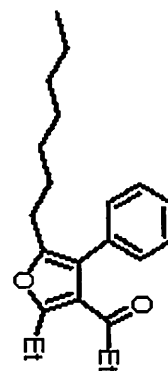
DPHLE 161201NM618NONLBP9.4h
 COUNT 161201NM618
 DNAME 161201NM618
 H1 161201NM618
 EXMND 300.00 MHz
 OBSER 13C NMR
 Q1PRN 1150.00 Hz
 POINT 16384
 FREQU 600.01 Hz
 ACQNM 2.1779 sec
 PD 4.2720 sec
 FWH 5.00 usoc
 INUC 31.5 e
 CDCL3 0.00 ppm
 EXREF 0.12 Hz
 RNAME 15



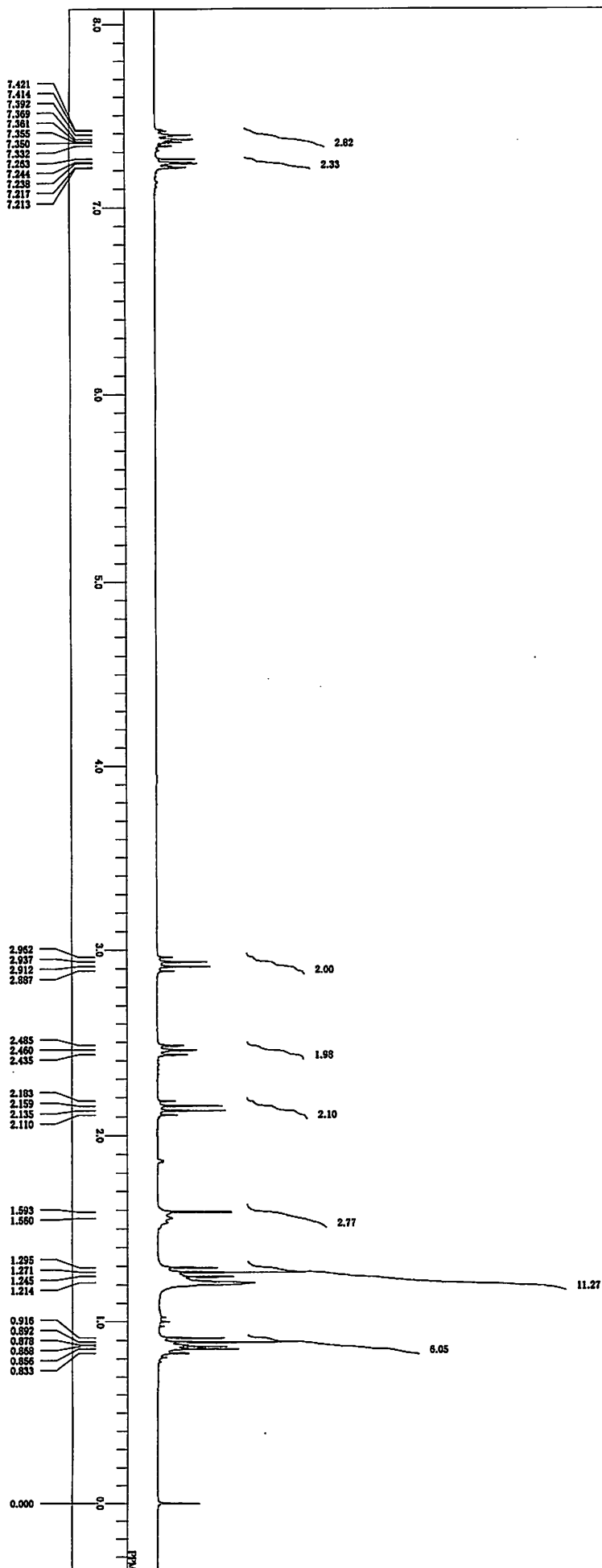
3ba



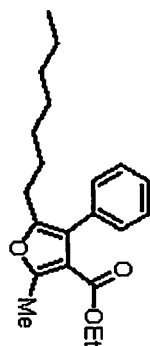
DFILE 161201NM5181DC1.B7, 41
 COUNT 161201NM518
 DATE 16 Dec 02 01:05:15 2016
 NAME 161201NM518
 PROG 161201NM518
 INSTR 161201NM518
 ORIGIN 161201NM518
 ORFREQ 124.00 MHz
 ORFREQ 124.00 MHz
 FREQ 124.00 MHz
 SCANS 6000
 ACQTIME 1.0097 sec
 F2 124.00 MHz
 F1 124.00 MHz
 IONIC CTBAP 20.9 e
 SOLVENT CDCl3 77.00 ppm
 BRIDGE 161201NM518
 RGAUN 25



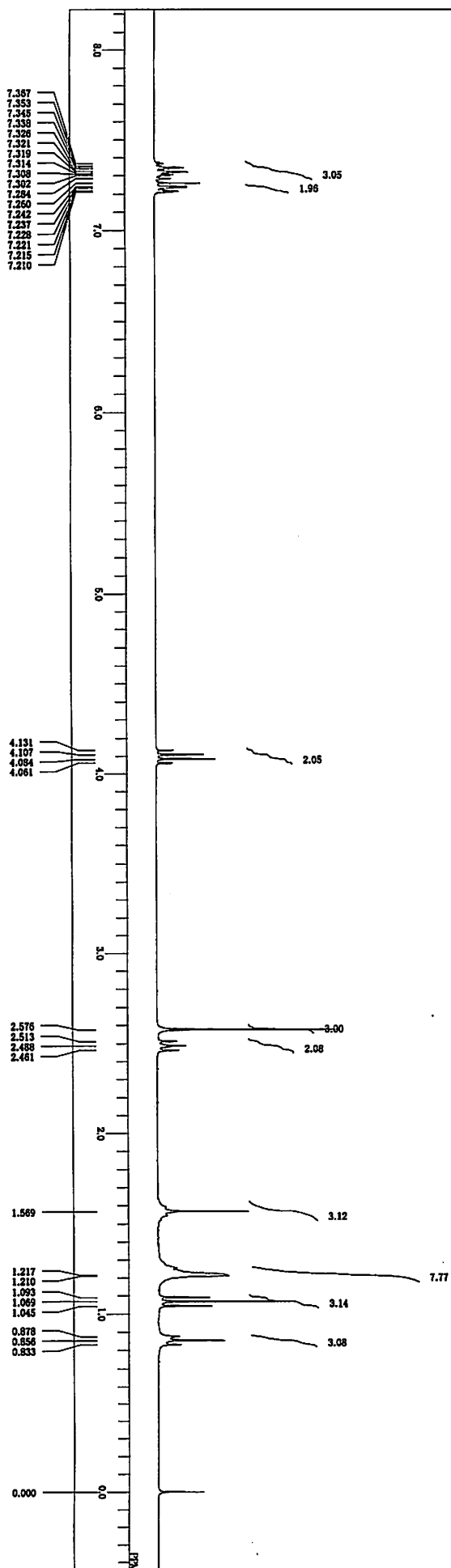
366



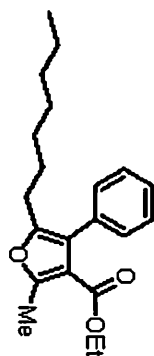
DPFILE 151206NN/520_rev.1 NON.BIT.4b
 COUNT 151206NN/520_rev.1
 DATE 7/20/2016
 TIME 15:55:50
 INSTR 300.0 MHz
 PULPROG zgpg30
 PCYCL 1
 F2 300.0 MHz
 F1 119.91 Hz
 POINT 15384
 SCANS 6000.0 Hz
 SFO 300.0 MHz
 PD 2.779 sec
 P2 4.2720 sec
 P3 6.00 sec
 FWH 20.5 c
 INSTRUMENT CPMG
 SOLVENT CDCl3
 EXPT 0.00 ppm
 BP 0.12 Hz
 RGAIN 16



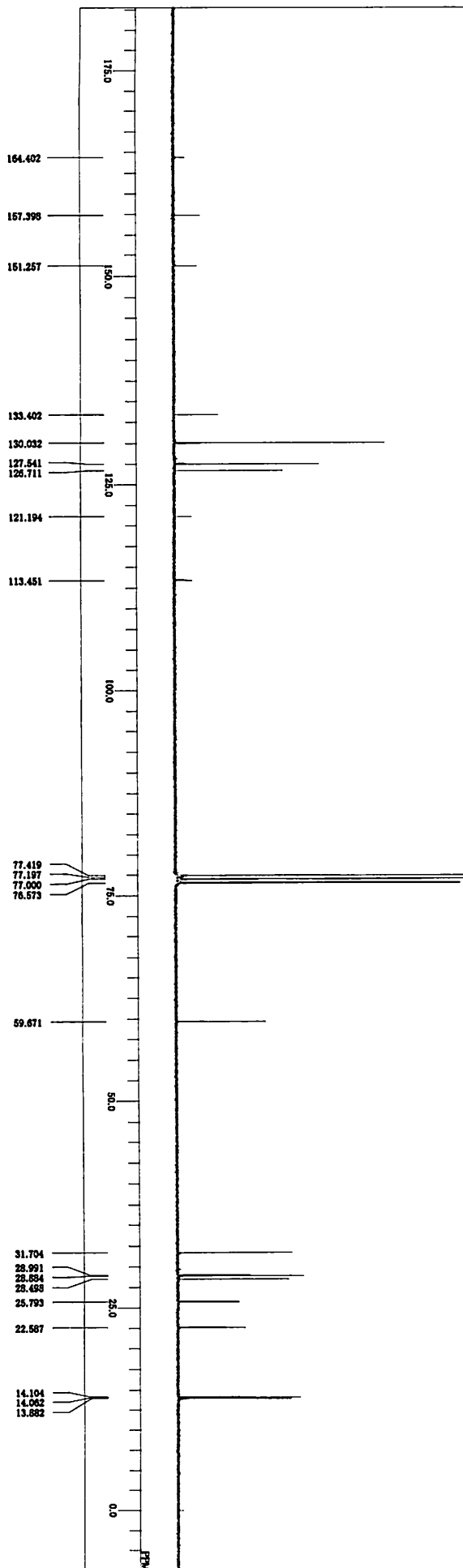
3b



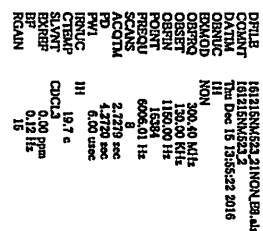
FILE 161203NM52_1\\NON.EI14.45
 COUNT 161203NM52_1
 DATE 31 Dec 03 16:55:50 2016
 INSTR 400 MHz
 EXMOD 1H
 OFFSET 120.00 kHz
 C1H13C 150.00 Hz
 POINT 16384 Hz
 PREQU 6006.01 Hz
 SCANS 8
 ACQTIME 2.7779 sec
 F2 4.7279 sec
 FWH 6.00 sec
 INTRUC 11
 CTDPG 20.4 e
 SCALED CDCl3 50.0 ppm
 SUBST 0.12 Hz
 BR 17
 RCALIB 17

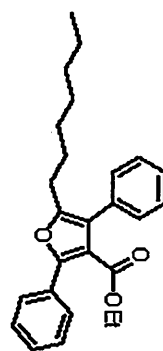


3b

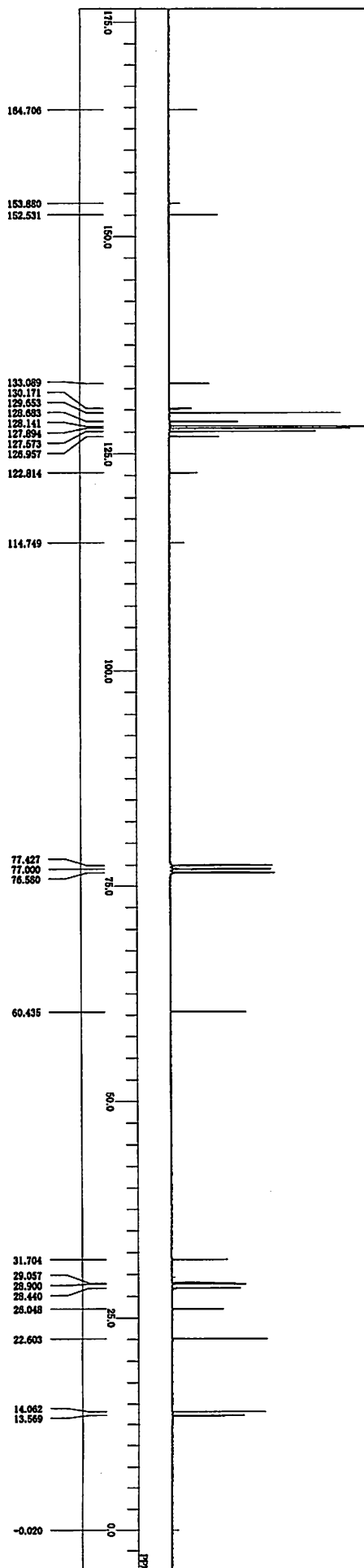


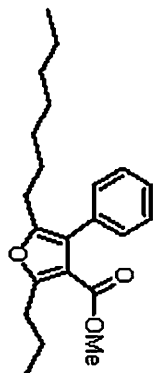
FILE 161203NM621.1BCKL8137.d6
 COUNT 161203NM621.1
 DATE 08 Dec 04 08:31:55 2016
 NAME 3b
 SOLVENT CDCl₃
 PPM 76.45 MHz
 OBSERVE OBSERVE
 OBSERVE 124.00 Hz
 OBSERVE 160.00 Hz
 FREQ 200.5623 Hz
 SCANS 14000
 ACQTIME 1.0000 sec
 FID 1.0000 sec
 FWHM 0.10 sec
 RMSC 20.8 c
 CTBAP 1.00 ppm
 SCAVP 0.12 Hz
 BR 25
 RCALIN 25



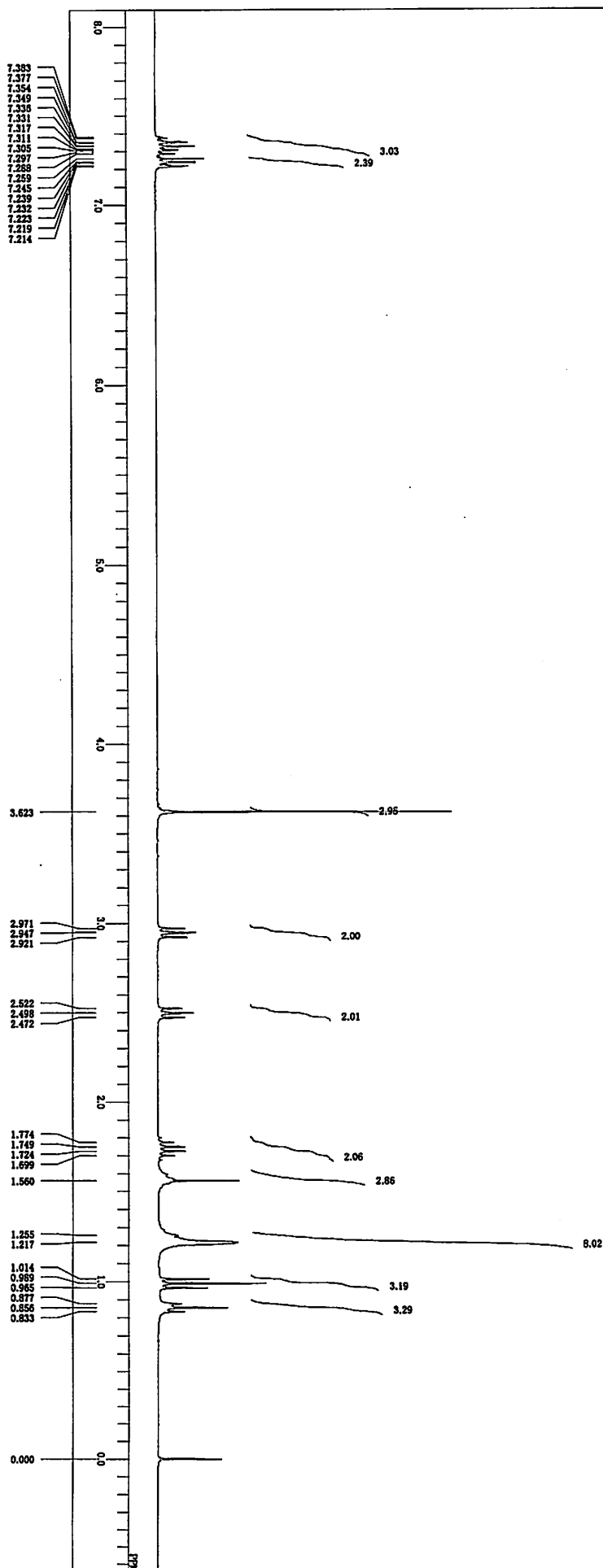


Page

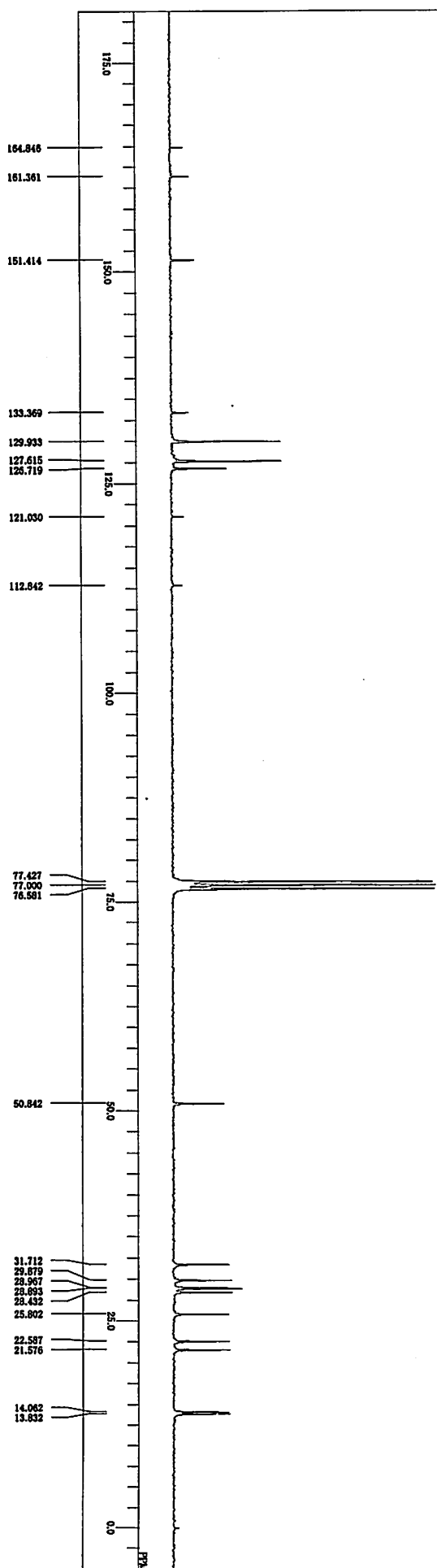
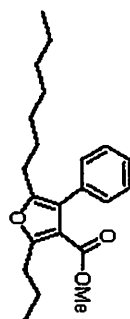
[illegible]



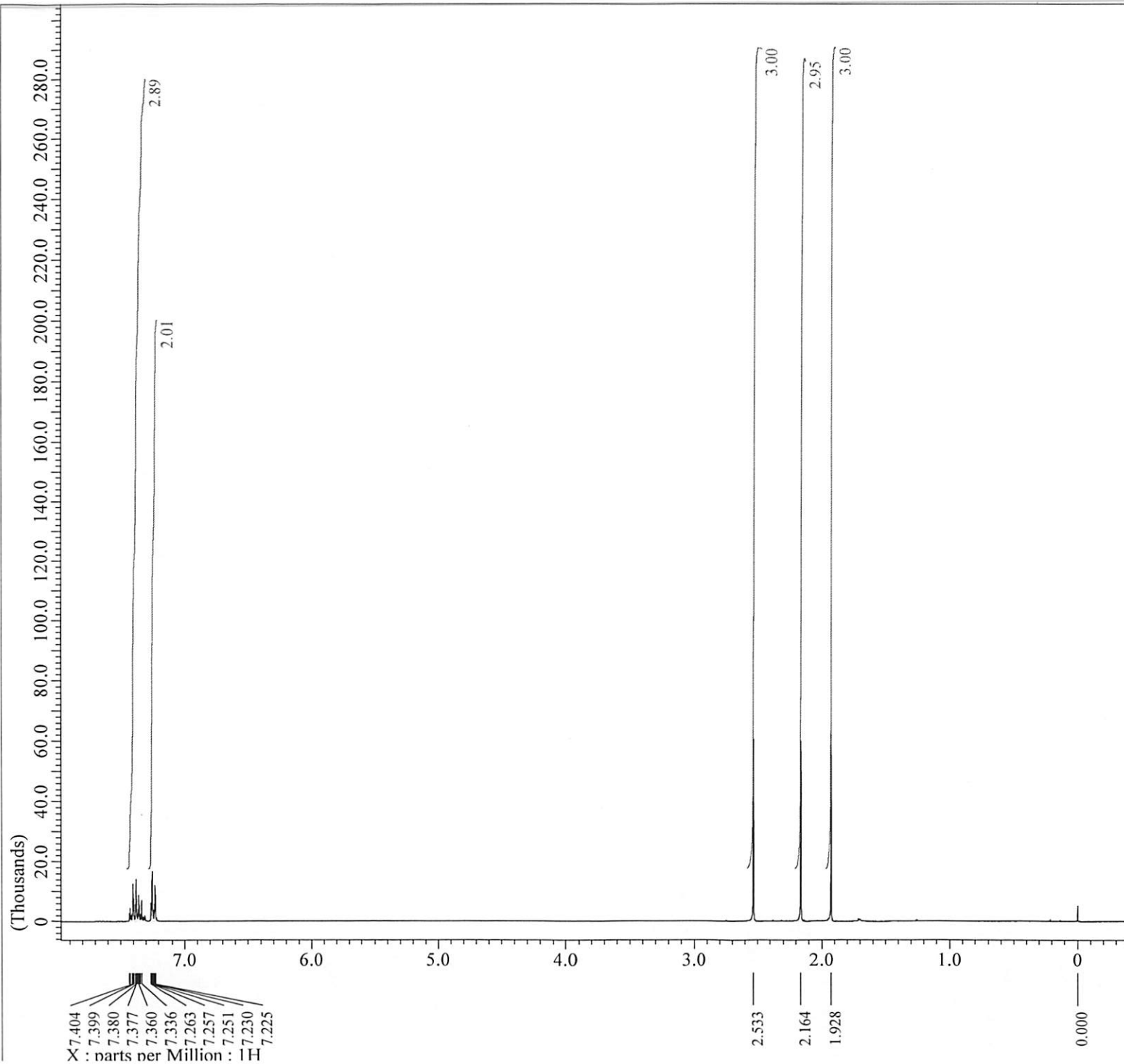
3be



DPFILE 161217NM524.1\NON.EI.44
 COUNT 572
 DNAME 11/19/2016 10:28:21 AM
 ELEMED 300.13 MHz
 FREQ 118.00 MHz
 POINT 15384
 PRECU 6006.01 Hz
 ACQNS 2.179 sec
 PD 4.272 sec
 PULP 6.00 sec
 INTRUC 3H
 STWAT 21.7 e
 EXREF CDCl3
 BP 0.00 ppm
 RGAIN 0.12 Hz
 IT 17



DFILE 161217NM524.1\BCM.B12.41
 COUNT 3
 ORIGIN 311
 EXAMOD 1H Dec 18 08:37:45 2016
 ORIENT 0
 OBSERV 164.00 MHz
 POINT 32759 Hz
 PRESQU 20036.23 Hz
 SCANS 14000
 PCNTM 1.5000 sec
 P 1.5000 sec
 PW 5.10 usec
 IRNUC 1H
 GTSAP 20.5 e
 CHCL3 77.00 ppm
 EXREF 32759
 BP 4.20 Hz
 RGAIN 25



---- PROCESSING PARAMETERS ----
 dc_balance(0, FALSE)
 secp(0.2[Hz], 0.0[s])
 trapezoid(0[%], 0[%], 80[%], 100[%])
 zerofill(1)
 fft(1, TRUE, TRUE)
 machinephase
 ppm

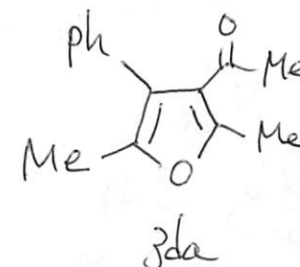
以下に由来: Morita_3010-1.jdf

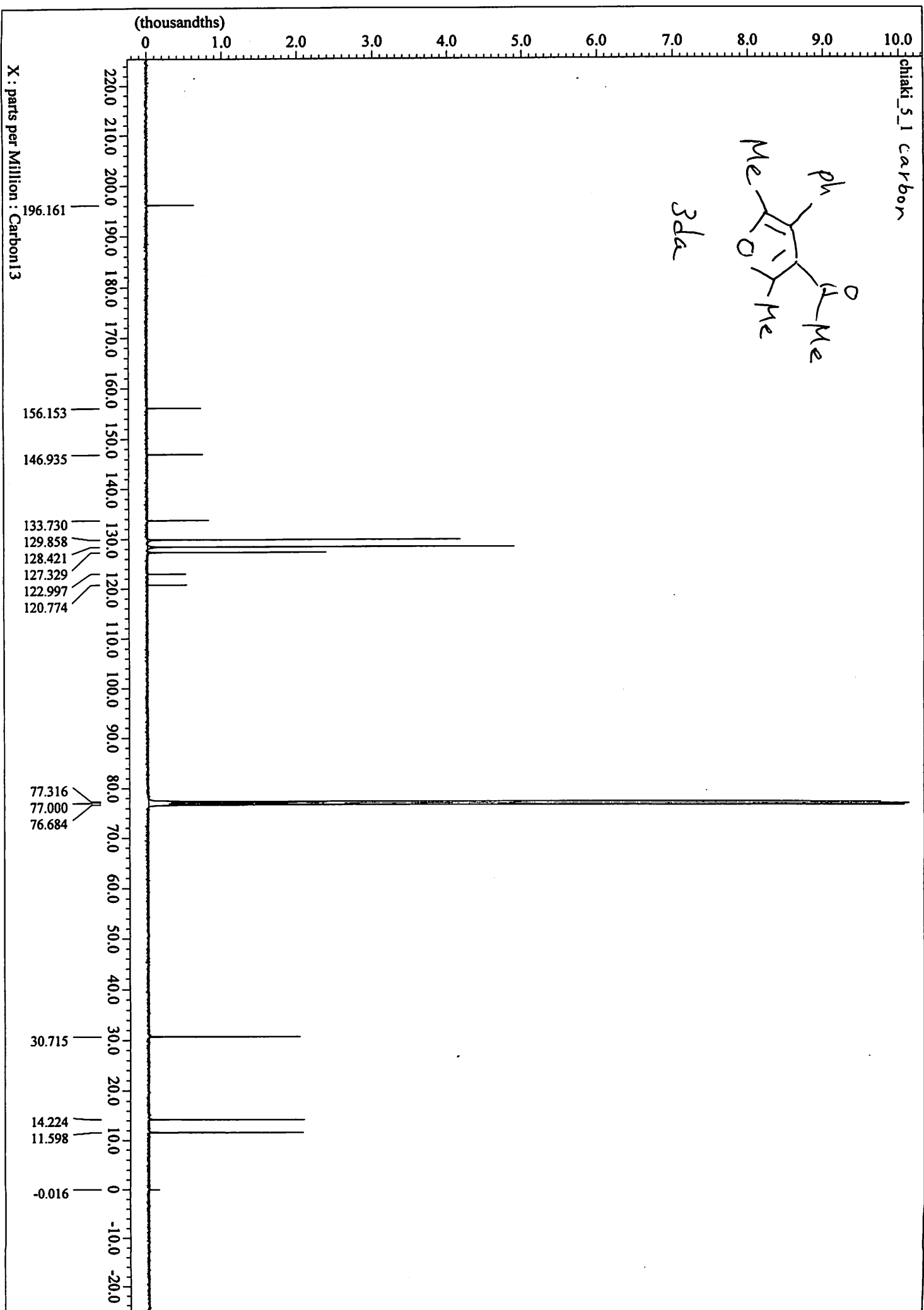
Filename = Morita_3010-3.jdf
 Author = Administrator
 Experiment = zg30
 Sample_Id = NM1061_Fr7
 Solvent = CHLOROFORM-D
 Creation_Time = 23-DEC-2022 14:14:19
 Revision_Time = 23-DEC-2022 14:15:47
 Current_Time = 23-DEC-2022 14:15:59

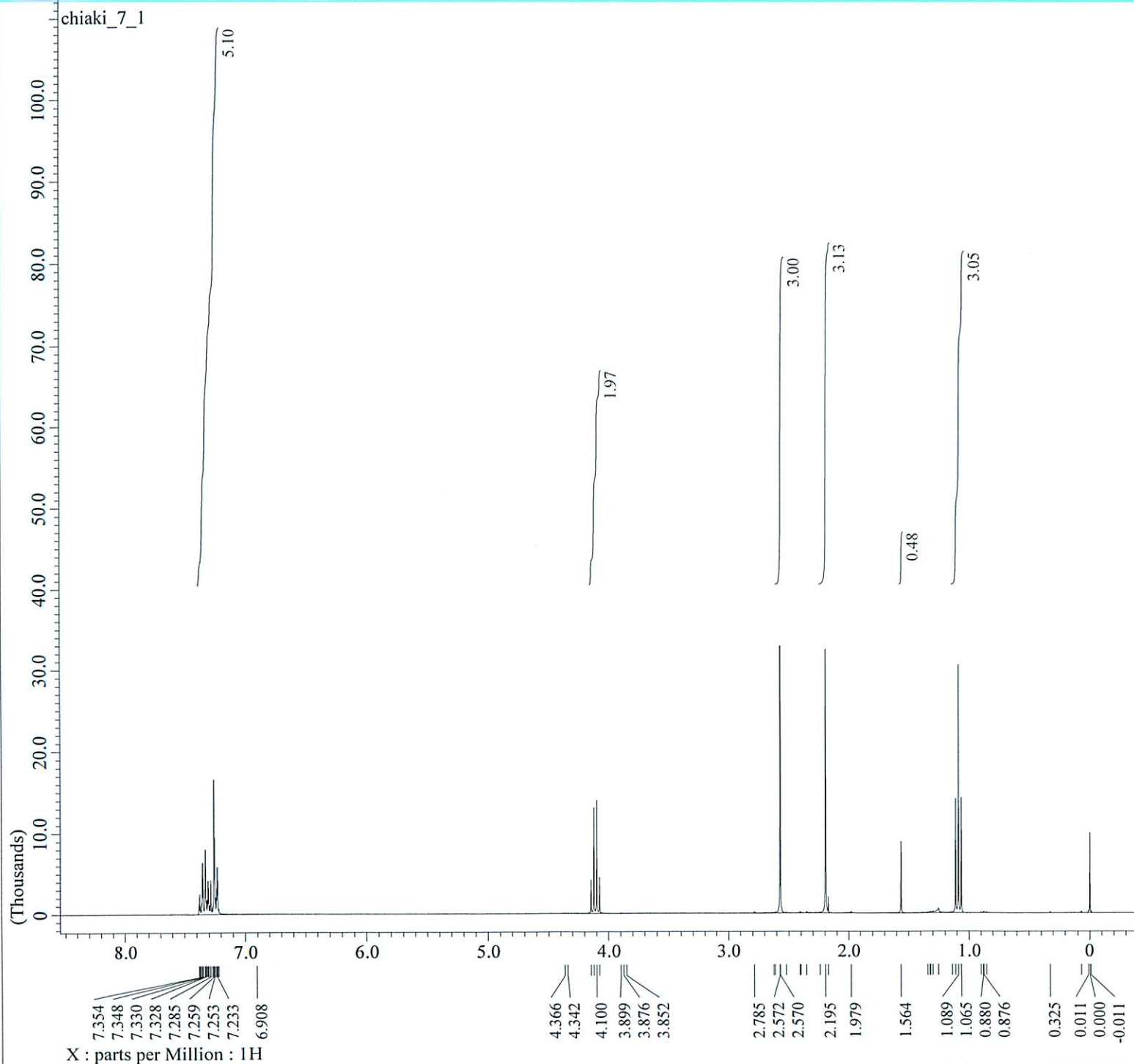
Comment = NM1061_Fr7
 Data_Format = 1D COMPLEX
 Dim_Size = 32768
 Dim_Title = 1H
 Dim_Units = [ppm]
 Dimensions = X
 Spectrometer = BRUKER_DMX_NMR

Field_Strength = 7.0492145[T] (300[MHz])
 X_Domain = 1H
 X_Freq = 300.13185343[MHz]
 X_Freq_Flip = TRUE
 X_Offset = 1.85342561[kHz]
 X_Points = 32768
 X_Prescans = 2
 X_Sweep = 6.18811881[kHz]
 Scans = 16

Temp_Get = 294.56[K]
 Filter_Factor = 3232







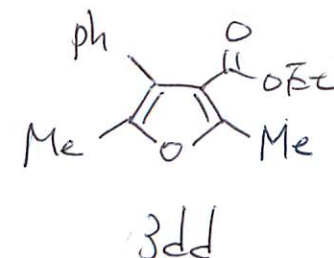
----- PROCESSING PARAMETERS -----
 dc_balance(0, FALSE)
 sexp(0.2[Hz], 0.0[s])
 trapezoid(0[%], 0[%], 80[%], 100[%])
 zerofill(1)
 fft(1, TRUE, TRUE)
 machinephase
 ppm

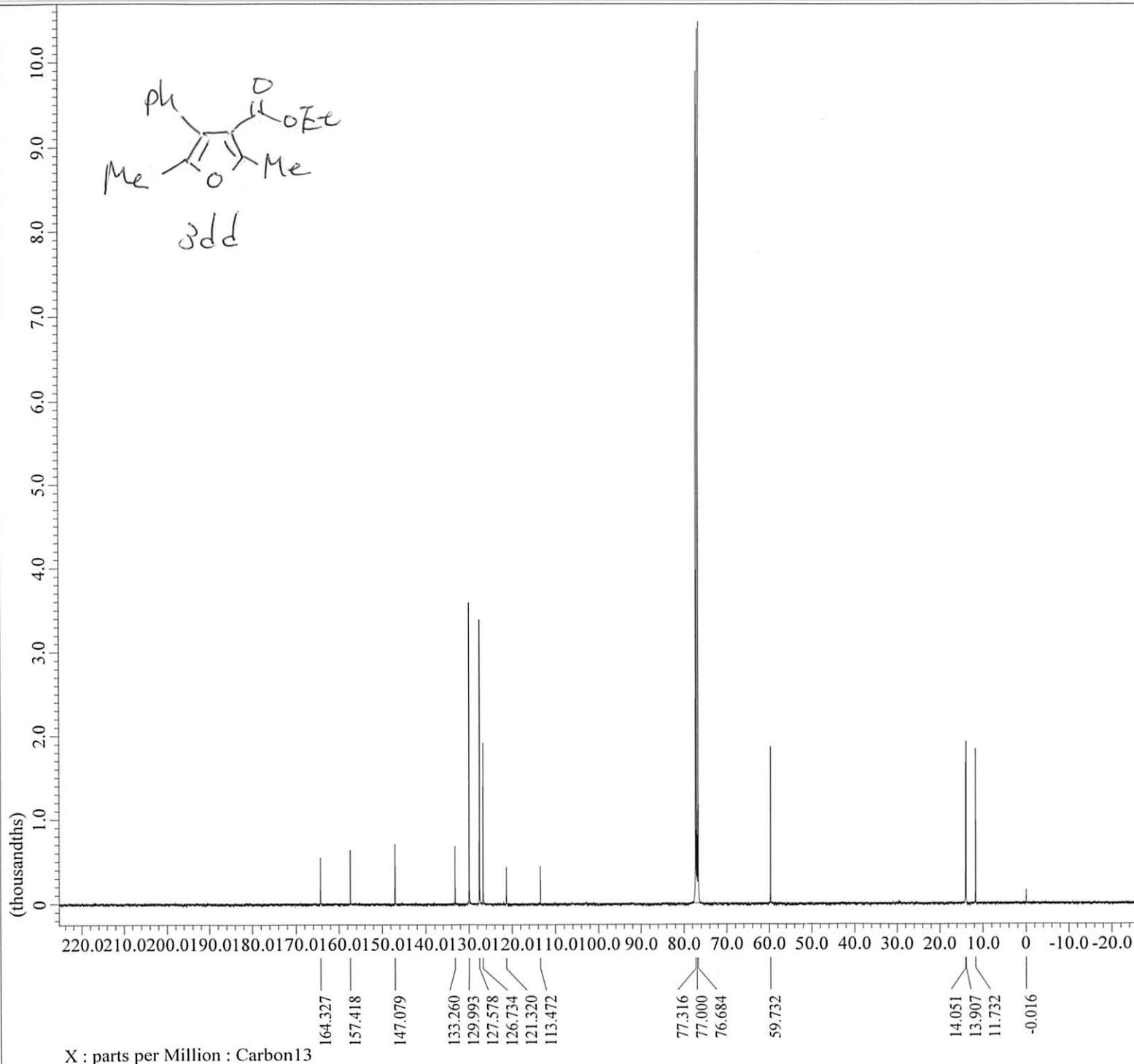
Filename = Y-18_Kunugi_1620-3.jdf
 Author = Administrator
 Experiment = zg30
 Sample_Id = chiaki_7_1
 Solvent = CHLOROFORM-D
 Creation_Time = 8-FEB-2020 13:45:47
 Revision_Time = 13-FEB-2020 15:17:46
 Current_Time = 13-FEB-2020 15:18:02

Comment = chiaki_7_1
 Data_Format = 1D COMPLEX
 Dim_Size = 32768
 Dim_Title = 1H
 Dim_Units = [ppm]
 Dimensions = X
 Spectrometer = BRUKER DMX NMR

Field Strength = 7.0492145[T] (300[MHz])
 X_Domain = 1H
 X_Freq = 300.13185343[MHz]
 X_Freq_Flip = TRUE
 X_Offset = 1.85342561[kHz]
 X_Points = 32768
 X_Prescans = 2
 X_Sweep = 6.18811881[kHz]
 Scans = 16

Temp_Get = 294.46[K]
 Filter_Factor = 3232





```

---- PROCESSING PARAMETERS ----
sexp( 2.0[Hz], 0.0[s] )
trapezoid( 0[%], 0[%], 80[%], 100[%] )
zerofill( 1 )
fft( 1, TRUE, TRUE )
machinephase
ppm

```

以下に由来: chiaki_7_1_carbon-1-1.jdf

```

Filename      = chiaki_7_1_carbon-
Author        = delta
Experiment    = carbon.jxp
Sample_Id     = chiaki_7_1
Solvent       = CHLOROFORM-D
Creation_Time = 12-FEB-2020 21:02:
Revision_Time = 13-FEB-2020 15:08:
Current_Time  = 13-FEB-2020 15:09:

```

```

Comment       = HRD173 cd2cl2 p30
Data_Format   = 1D COMPLEX
Dim_Size      = 26214
Dim_Title     = Carbon13
Dim_Units     = [ppm]
Dimensions    = X
Spectrometer  = JNM-ECZ400S/L1

```

```

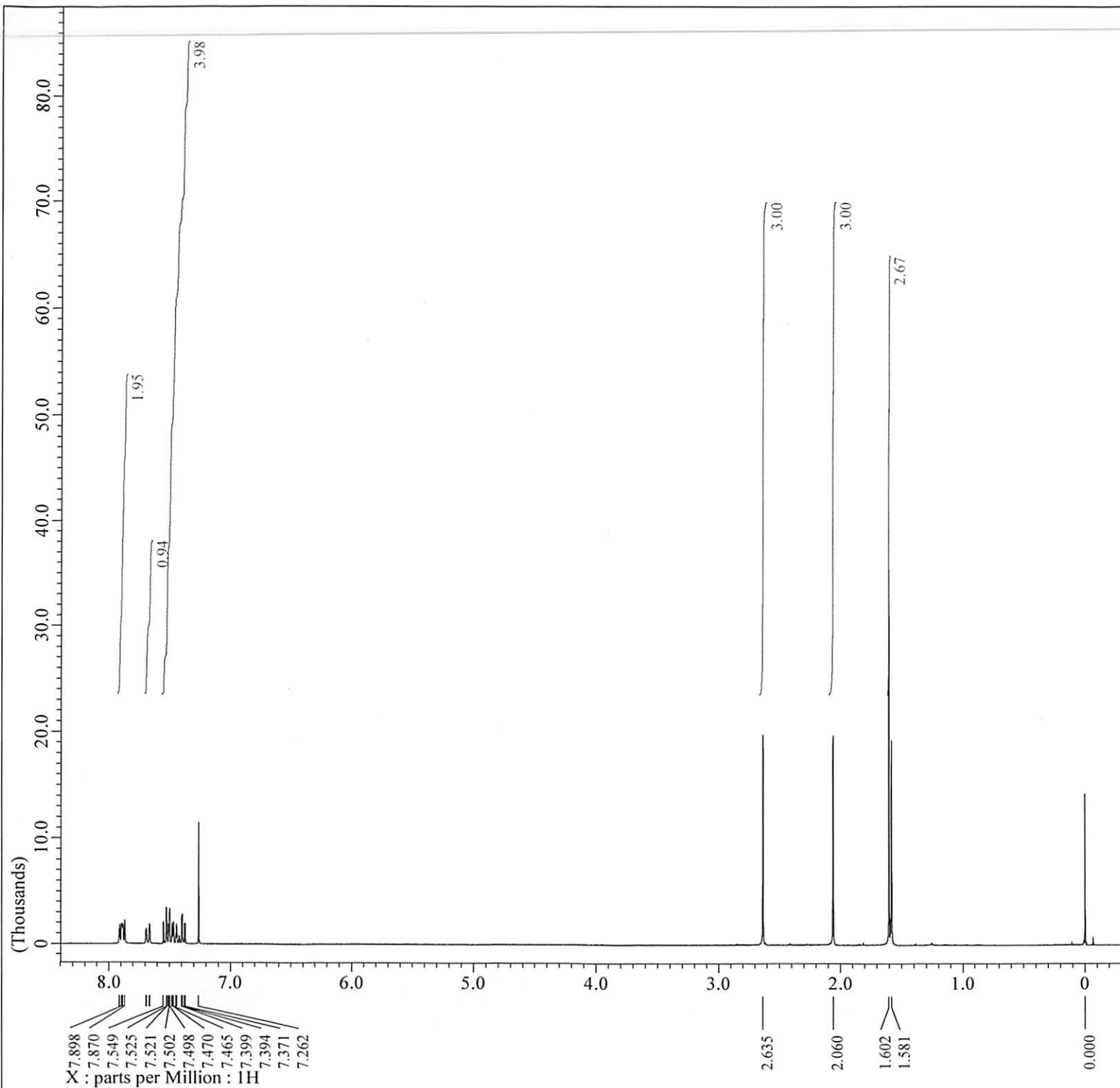
Field_Strength = 9.389766[T] (400[M]
X_Acq_Duration = 1.03809024[s]
X_Domain      = 13C
X_Freq        = 100.52530333[MHz]
X_Offset      = 100[ppm]
X_Points      = 32768
X_Prescans    = 4
X_Resolution  = 0.96330739[Hz]
X_Sweep       = 31.56565657[kHz]
X_Sweep_Clip  = 25.25252525[kHz]
Irr_Domain    = Proton
Irr_Freq      = 399.78219838[MHz]
Irr_Offset    = 5[ppm]
Blanking      = 5[us]
Clipped       = FALSE
Decimation_Reg = r: 198 ( 197 ), g: 39
Scans         = 8192
Total_Scans   = 8192

```

```

Relaxation_Delay = 2[s]
Recvr_Gain       = 50
Temp_Get         = 20.8[°C]
X_90_Width      = 9.7[us]
X_Acq_Time      = 1.03809024[s]
X_Angle         = 30[deg]
X_Atn           = 8.2[dB]
X_Pulse         = 3.23333333[us]
Irr_Atn_Dec     = 28.124[dB]
Irr_Atn_Dec_Calc = 28.124[dB]
Irr_Atn_Dec_Default_Calc = 28.124[dB]
Irr_Atn_Noise   = 28.124[dB]
Irr_Dec_Bandwidth_Hz = 4.7826087[kHz]
Irr_Dec_Bandwidth_Ppm = 11.96303566[ppm]

```



---- PROCESSING PARAMETERS ----
 dc_balance(0, FALSE)
 secp(0.2[Hz], 0.0[s])
 trapezoid(0[%], 0[%], 80[%], 100[%])
 zerofill(1)
 fft(1, TRUE, TRUE)
 machinephase
 ppm

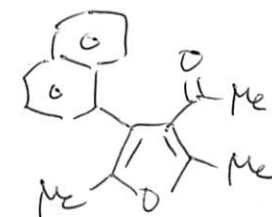
以下に由来: Morita_2830-1.jdf

Filename = Morita_2830-7.jdf
 Author = Administrator
 Experiment = zg30
 Sample_Id = kt24-Fr10
 Solvent = CHLOROFORM-D
 Creation_Time = 26-AUG-2022 17:25:28
 Revision_Time = 14-NOV-2023 18:48:49
 Current_Time = 14-NOV-2023 18:49:00

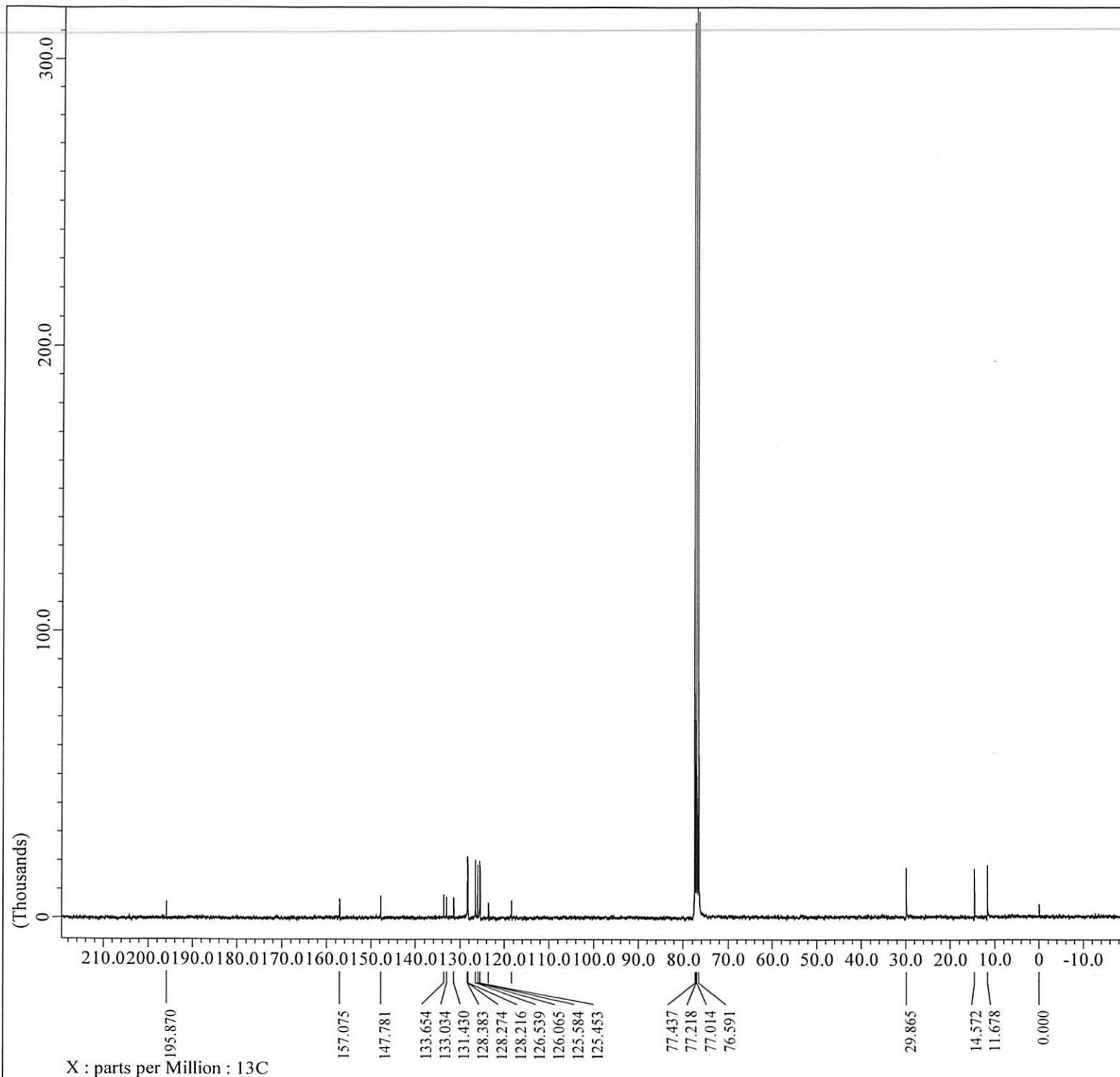
Comment = kt24-Fr10
 Data Format = 1D COMPLEX
 Dim_Size = 32768
 Dim_Title = 1H
 Dim_Units = [ppm]
 Dimensions = X
 Spectrometer = BRUKER_DMX_NMR

Field_Strength = 7.0492145[T] (300[MHz])
 X_Domain = 1H
 X_Freq = 300.13185343[MHz]
 X_Freq_Flip = TRUE
 X_Offset = 1.85342561[kHz]
 X_Points = 32768
 X_Prescans = 2
 X_Sweep = 6.18811881[kHz]
 Scans = 16

Temp_Get = 294.76[K]
 Filter_Factor = 3232



3ea



---- PROCESSING PARAMETERS ----
dc_balance(0, FALSE)
sext(2.0[Hz], 0.0[s])
trapezoid(0[%], 0[%], 80[%], 100[%])
zerofill(1)
fft(1, TRUE, TRUE)
machinphase
ppm
phase(-5, -15, 50[%])

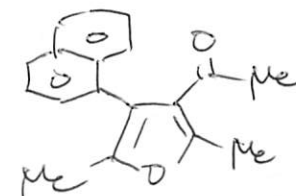
以下に由来: Morita_2850-1.jdf

Filename = Morita_2850-4.jdf
Author = Administrator
Experiment = zgpg30
Sample_Id = KY24_Fr10_13CNMR
Solvent = CHLOROFORM-D
Creation_Time = 26-AUG-2022 17:27:53
Revision_Time = 14-NOV-2023 18:53:40
Current_Time = 14-NOV-2023 18:53:56

Comment = KY24_Fr10_13CNMR
Data Format = 1D COMPLEX
Dim_Size = 32768
Dim_Title = 13C
Dim_Units = [ppm]
Dimensions = X
Spectrometer = BRUKER_DMX_NMR

Field_Strength = 7.0492145[T] (300[MHz])
X_Domain = 13C
X_Freq = 75.4752953[MHz]
X_Freq_Flip = TRUE
X_Offset = 7.54630085[kHz]
X_Points = 32768
X_Prescans = 4
X_Sweep = 18.02884615[kHz]
Scans = 10000

Temp_Get = 296.86[K]
Filter_Factor = 1109



3ea

```

---- PROCESSING PARAMETERS ----
dc_balance ( 0, FALSE )
sexp ( 0.2[Hz], 0.0[ss] )
trapezoid ( 0[%], 0[%], 80[%], 100[%] )
zerofill ( 1 )
fft ( 1, TRUE, TRUE )
machinephase
ppm
phase ( 0, 15, 50[%] )
  
```

以下に由来: Morita_2800-6.j4f

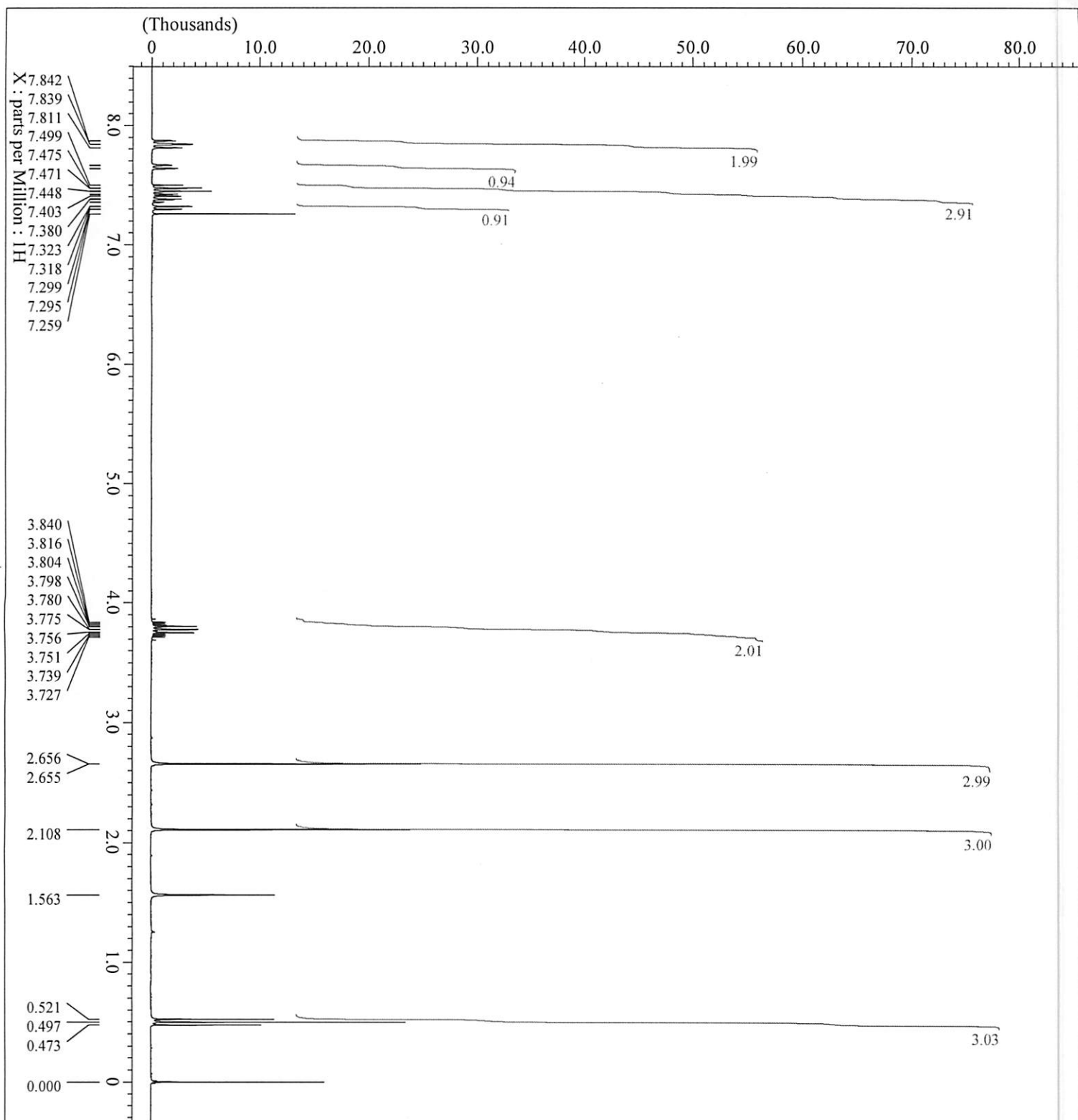
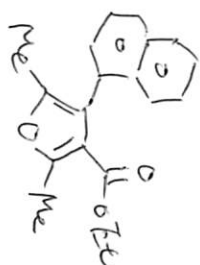
```

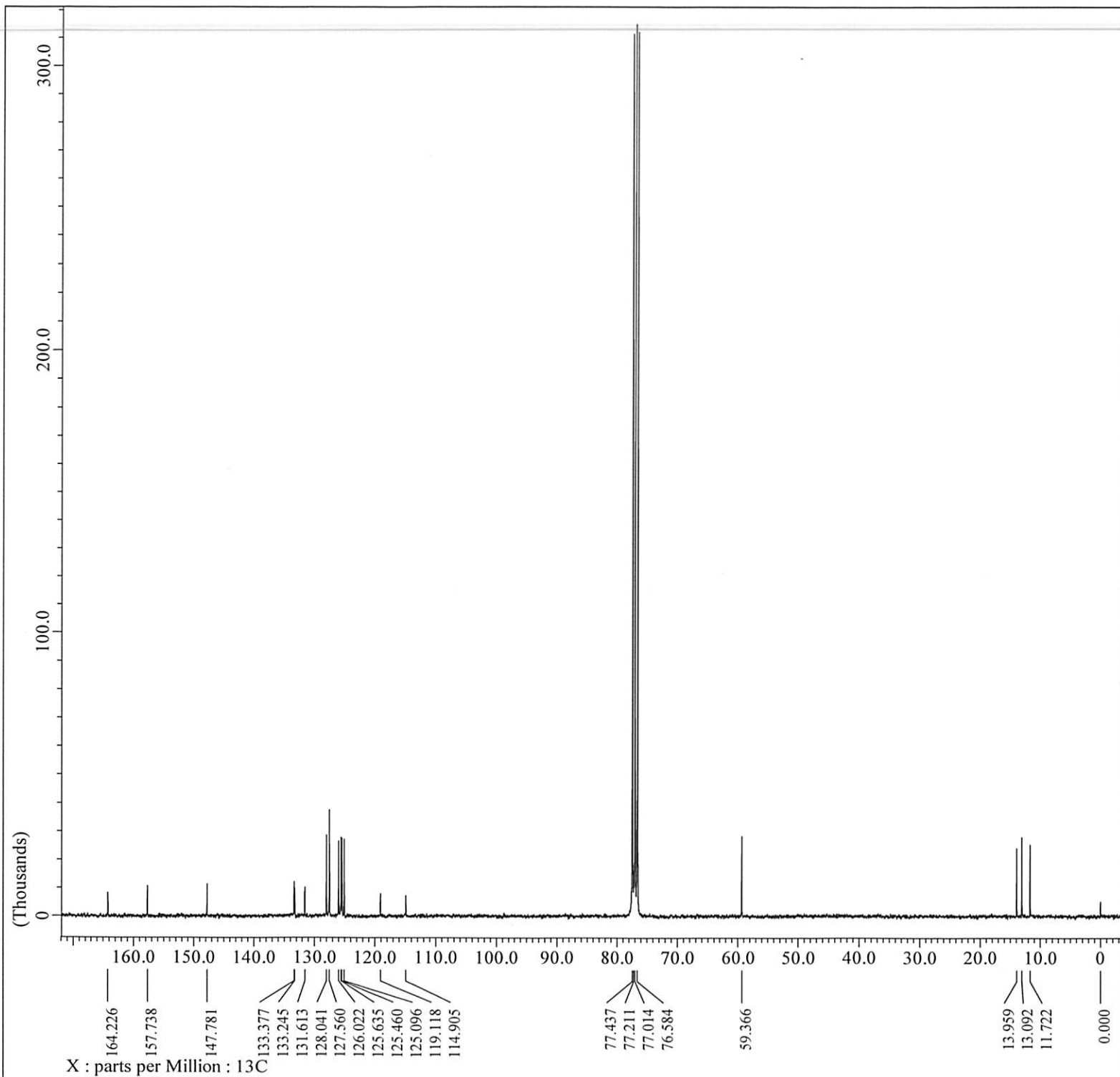
Filename      = Morita_2800-10.j4f
Author        = Administrator
Experiment    = zg30
Sample Id     = KT22-Fr8
Solvent       = CHLOROFORM-D
Creation Time  = 26-NOV-2022 17:17:10
Revision Time = 14-NOV-2023 18:31:26
Current Time  = 14-NOV-2023 18:31:47

Comment
Data Format   = ID COMPLEX
Dim Size     = 32768
Dim Title    = 1H
Dim Units    = [ppm]
Dimensions   = X
Spectrometer = BRUKER_DMX_NMR

Field Strength = 7.0492145[T] (300 [MHz])
X Domain      = 1H
X Freq        = 300.13185343[MHz]
X_Freq_Flip   = TRUE
X_Offset      = 1.85342561 [kHz]
X Points      = 32768
X_Prescans    = 2
X_Sweep       = 6.18811881 [kHz]
Scans         = 16

Temp_Get      = 294.86[K]
Filter_Factor = 3232
  
```





```

---- PROCESSING PARAMETERS ----
dc_balance( 0, FALSE )
sexf( 2.0[Hz], 0.0[s] )
trapezoid( 0[%], 0[%], 80[%], 100[%] )
zerofill( 1 )
fft( 1, TRUE, TRUE )
machinephase
ppm

```

以下に由来: Morita_2820-4.jdf

```

Filename      = Morita_2820-6.jdf
Author        = Administrator
Experiment     = zgpg30
Sample_Id     = KT22_Fr8_13C
Solvent       = CHLOROFORM-D
Creation_Time  = 26-AUG-2022 17:23:40
Revision_Time = 14-NOV-2023 18:57:42
Current_Time  = 14-NOV-2023 18:57:59

```

```

Comment       = KT22_Fr8_13C
Data Format    = 1D COMPLEX
Dim_Size      = 32768
Dim_Title     = 13C
Dim_Units     = [ppm]
Dimensions    = X
Spectrometer  = BRUKER_DMX_NMR

```

```

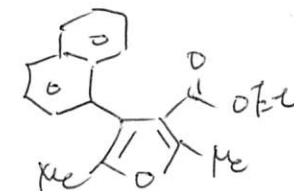
Field_Strength = 7.0492145[T] (300[MHz])
X_Domain       = 13C
X_Freq         = 75.4752953[MHz]
X_Freq_Flip    = TRUE
X_Offset       = 7.54630085[kHz]
X_Points       = 32768
X_Prescans     = 4
X_Sweep        = 18.02884615[kHz]
Scans          = 10000

```

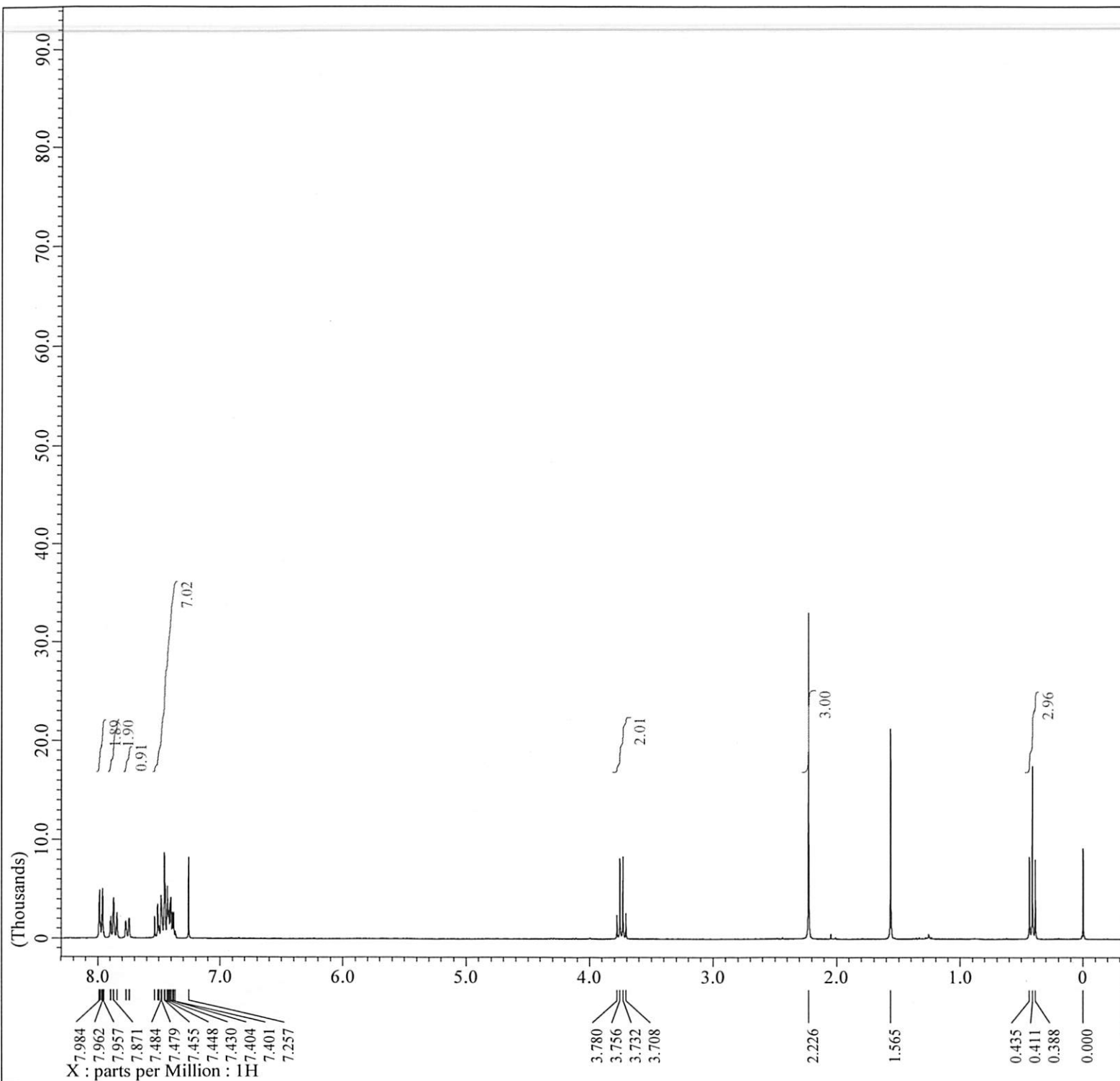
```

Temp_Get       = 296.86[K]
Filter_Factor  = 1109

```



3ec



```

---- PROCESSING PARAMETERS ----
dc_balance( 0, FALSE )
sext( 0.2[Hz], 0.0[s] )
trapezoid( 0[%], 0[%], 80[%], 100[%] )
zerofill( 1 )
fft( 1, TRUE, TRUE )
machinephase
ppm

```

以下に由来: Morita_2870-1.jdf

```

Filename      = Morita_2870-5.jdf
Author        = Administrator
Experiment     = zg30
Sample_Id     = Kt25-Fr7
Solvent       = CHLOROFORM-D
Creation_Time  = 26-AUG-2022 17:35:47
Revision_Time = 14-NOV-2023 18:41:09
Current_Time  = 14-NOV-2023 18:41:38

```

```

Comment       = Kt25-Fr7
Data Format    = 1D COMPLEX
Dim_Size      = 32768
Dim_Title     = 1H
Dim_Units     = [ppm]
Dimensions    = X
Spectrometer  = BRUKER_DMX_NMR

```

```

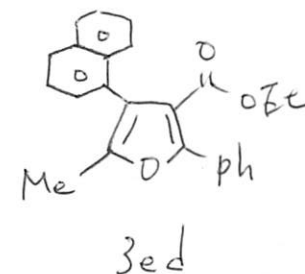
Field_Strength = 7.0492145[T] (300[MHz])
X_Domain       = 1H
X_Freq         = 300.13185343[MHz]
X_Freq_Flip    = TRUE
X_Offset       = 1.85342561[kHz]
X_Points       = 32768
X_Prescans     = 2
X_Sweep        = 6.18811881[kHz]
Scans          = 16

```

```

Temp_Get       = 294.86[K]
Filter_Factor  = 3232

```



---- PROCESSING PARAMETERS ----
 dc_balance (0, FALSE)
 secp (2.0[Hz], 0.0[s])
 trapezoid (0[%], 0[%], 80[%], 100[%])
 zerofill (1)
 fft (1, TRUE, TRUE)
 machinephase
 ppm

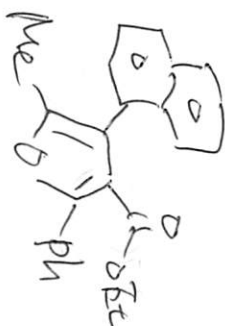
以下に由来: Morita_2880-1.j4d

Filename = Morita_2880-2.j4d
 Author = Administrator
 Experiment = zgpg30
 Sample Id = KT25_f7-13CNR
 Solvent = CHLOROFORM-D
 Creation Time = 29-AUG-2022 11:55:29
 Revision Time = 29-AUG-2022 11:55:37
 Current Time = 29-AUG-2022 11:56:05

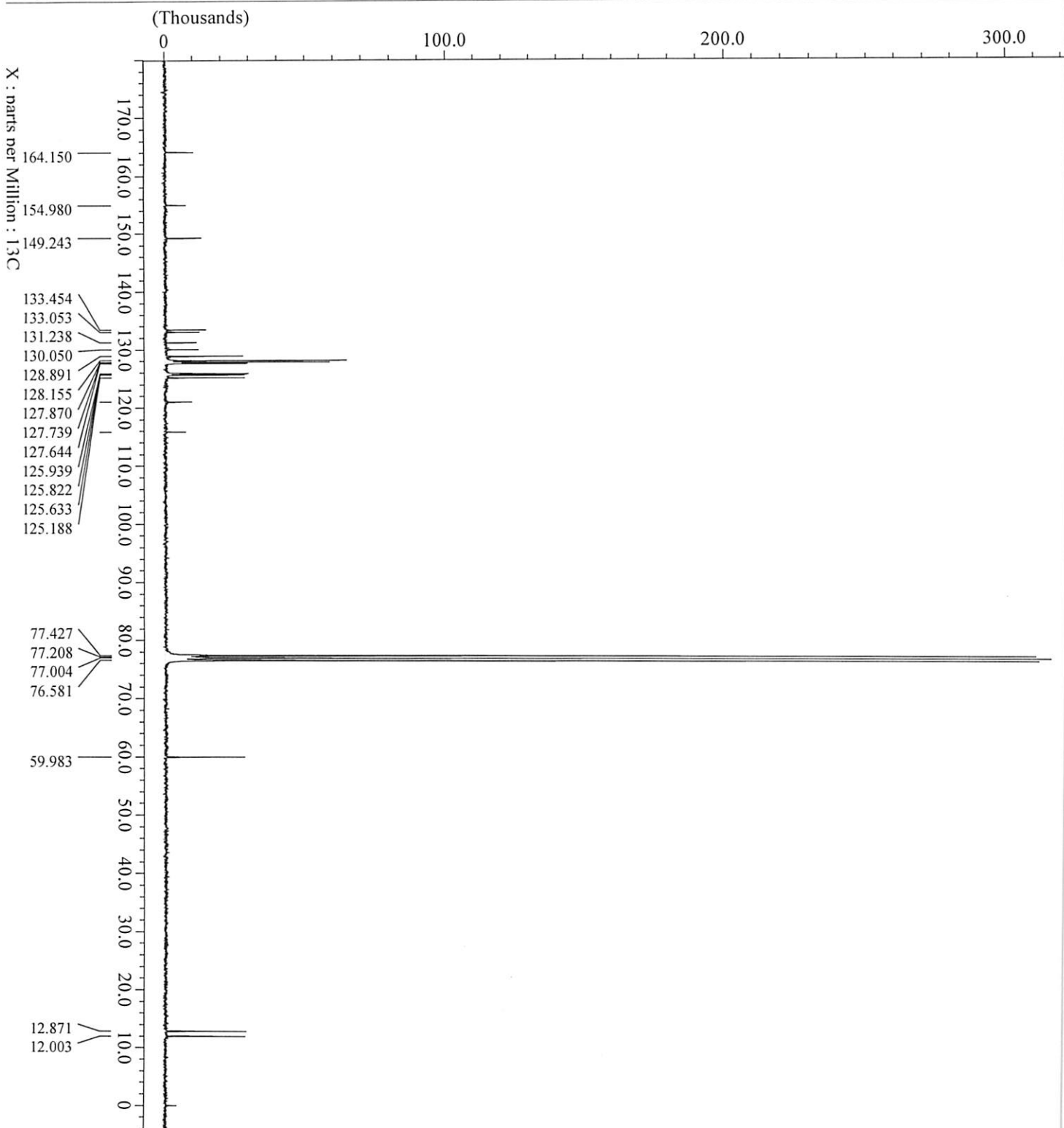
Comment = KT25_f7-13CNR
 Data Format = ID COMPLEX
 Dim Size = 32768
 Dim Title = 13C
 Dim Units = [ppm]
 Dimensions = X
 Spectrometer = BRUKER_DMX_NMR

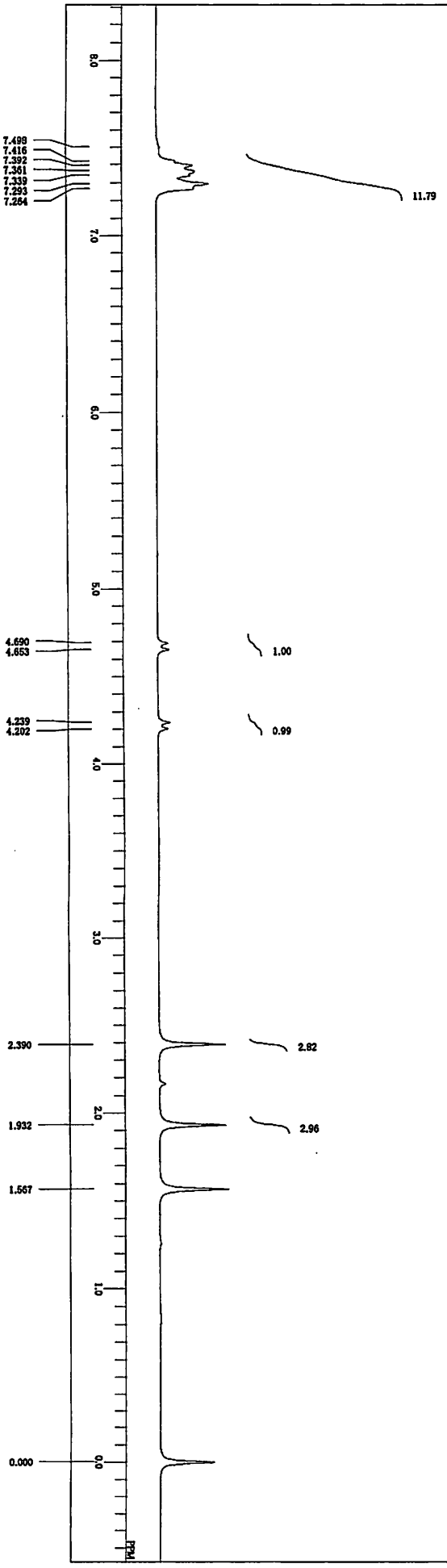
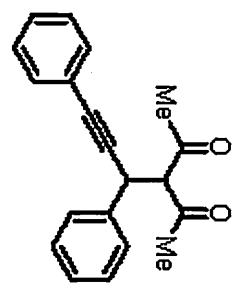
Field Strength = 7.0492145[T] (300[MHz])
 X Domain = 13C
 X_Freq = 75.4752953[MHz]
 X_Freq_Flip = TRUE
 X_Offset = 7.54630085[KHz]
 X Points = 32768
 X_Prescans = 4
 X_Sweep = 18.02884615[KHz]
 Scans = 10000

Temp_Get = 296.96[K]
 Filter_Factor = 1109

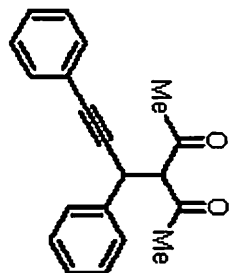


3cd

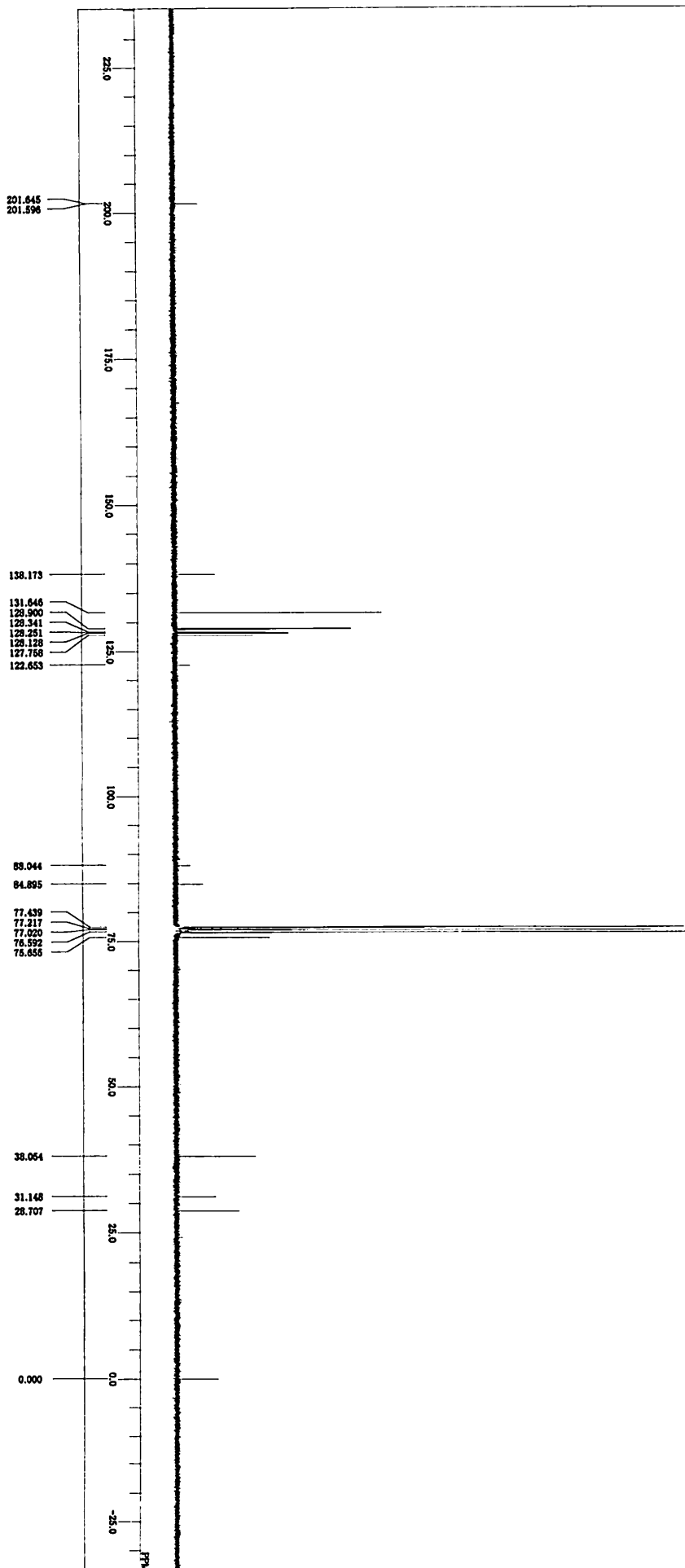




FILE 161220NM625NON.HL
 COUNT 161220NM625
 DATE Tue Dec 20 20:52:23 2016
 DIR C:\NMR
 OBSERV 130.00 MHz
 PULPROG zgpg30
 F2 100.62 MHz
 SCANS 8
 ACQTIME 2.7279 sec
 FID 1
 FIDRES 4.2720 sec
 INLOC 6.00 sec
 CTBAP 21.1 e
 SOLVENT CHCL3
 EXPT 0.00 ppm
 B1 4.00 Hz
 RNAME 21



3/aa



DPFILE 161221NM5251BCM.B1.d4
 COUNT 720
 DATE 22 Dec 22 05:42:38 2016
 ORIGIN 161221NM525
 EXAMOD 161221NM525
 ORIGIN 161221NM525
 POINT 32758
 FREQU 20356.23 Hz
 SCANS 16000
 PD 1.3900 sec
 PUL 5.10 usec
 INTRUC 1H
 CHCL3 21.0 c
 EXREF 0.00 ppm
 BF 0.12 Hz
 RGAIN 25