

X : parts per Million : 1H

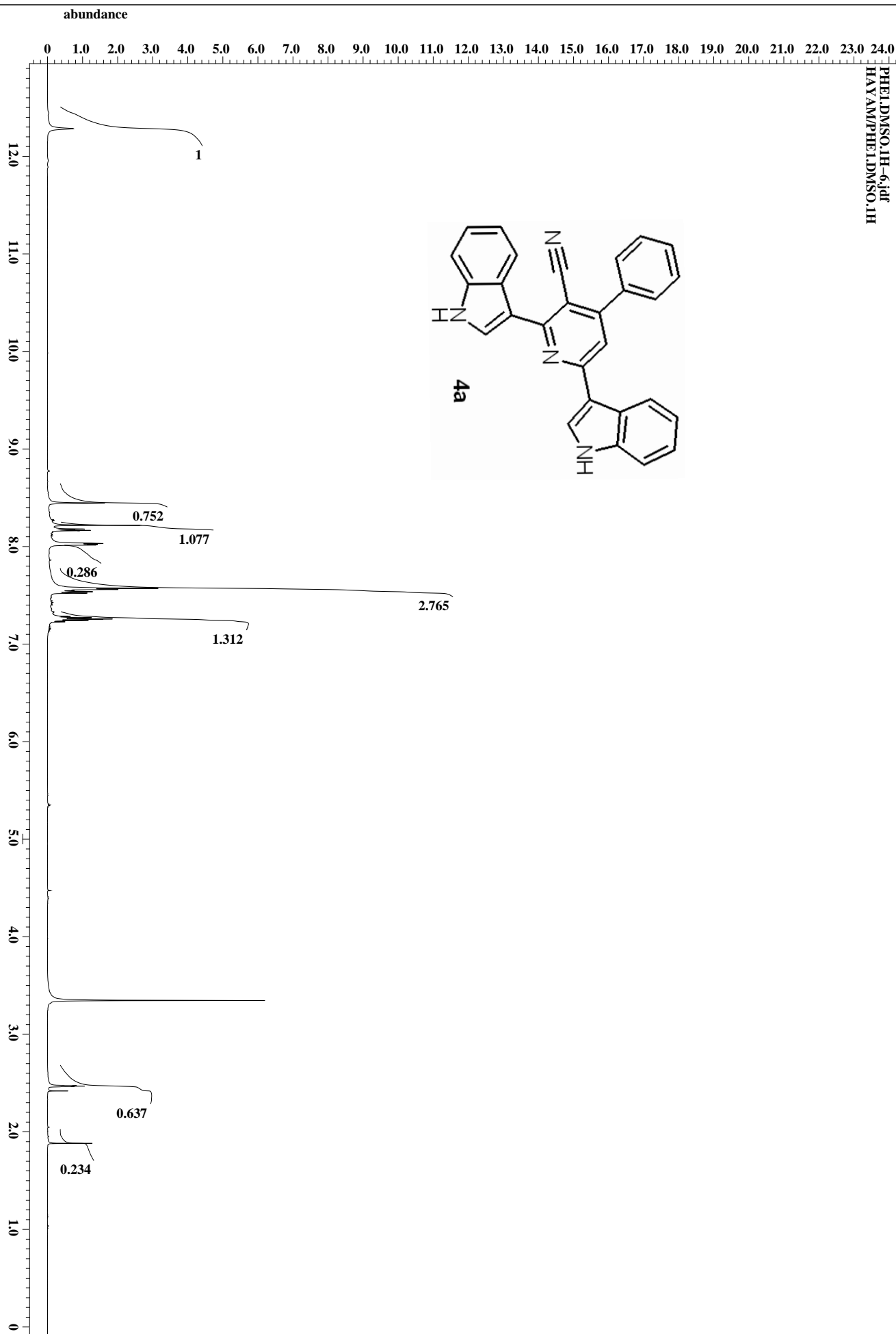
12.2829

8.4465
8.2190
8.0317
8.0202
8.0164
7.5710
7.5595
7.5366
7.2709
7.2575
7.2537

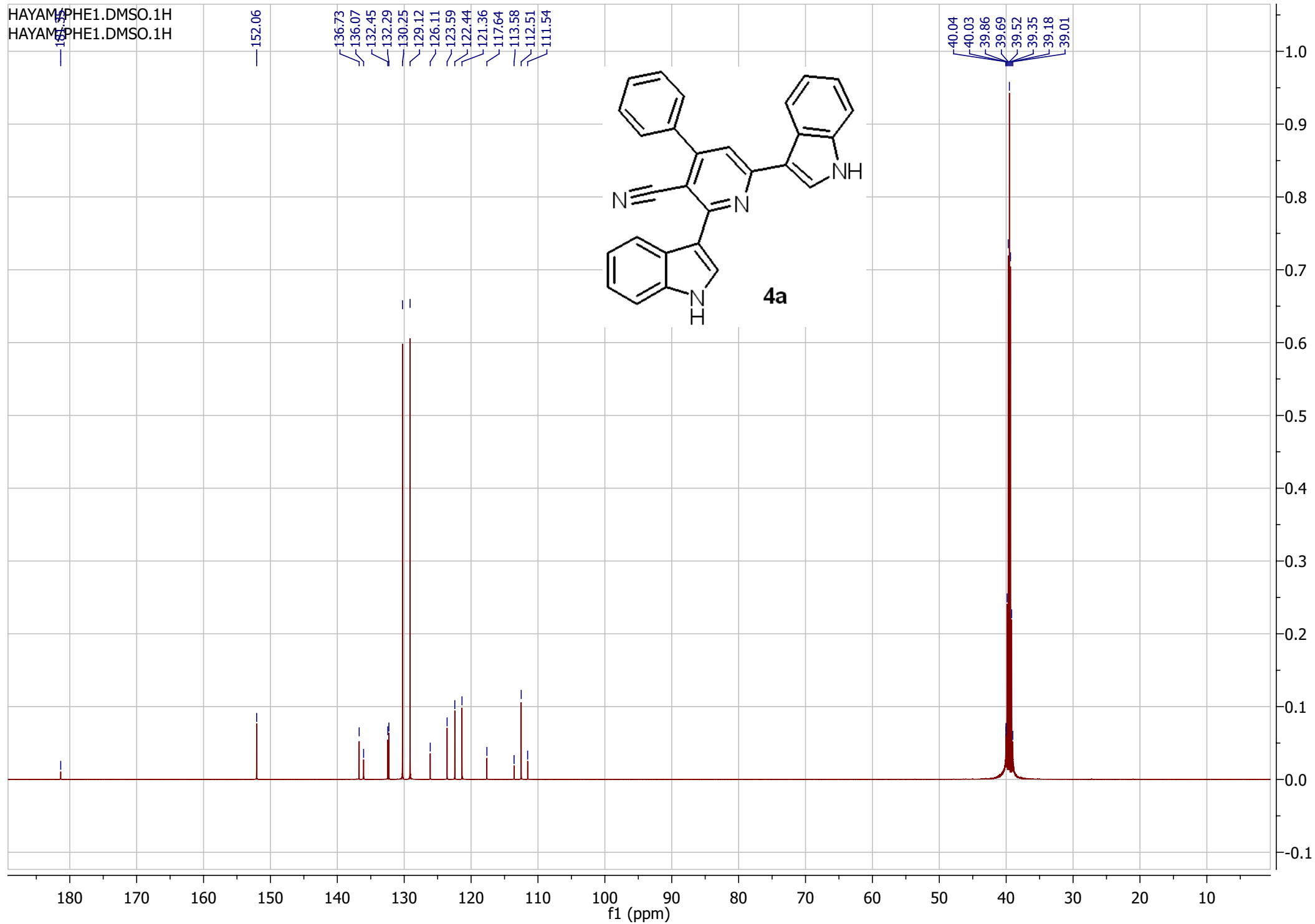
3.3465

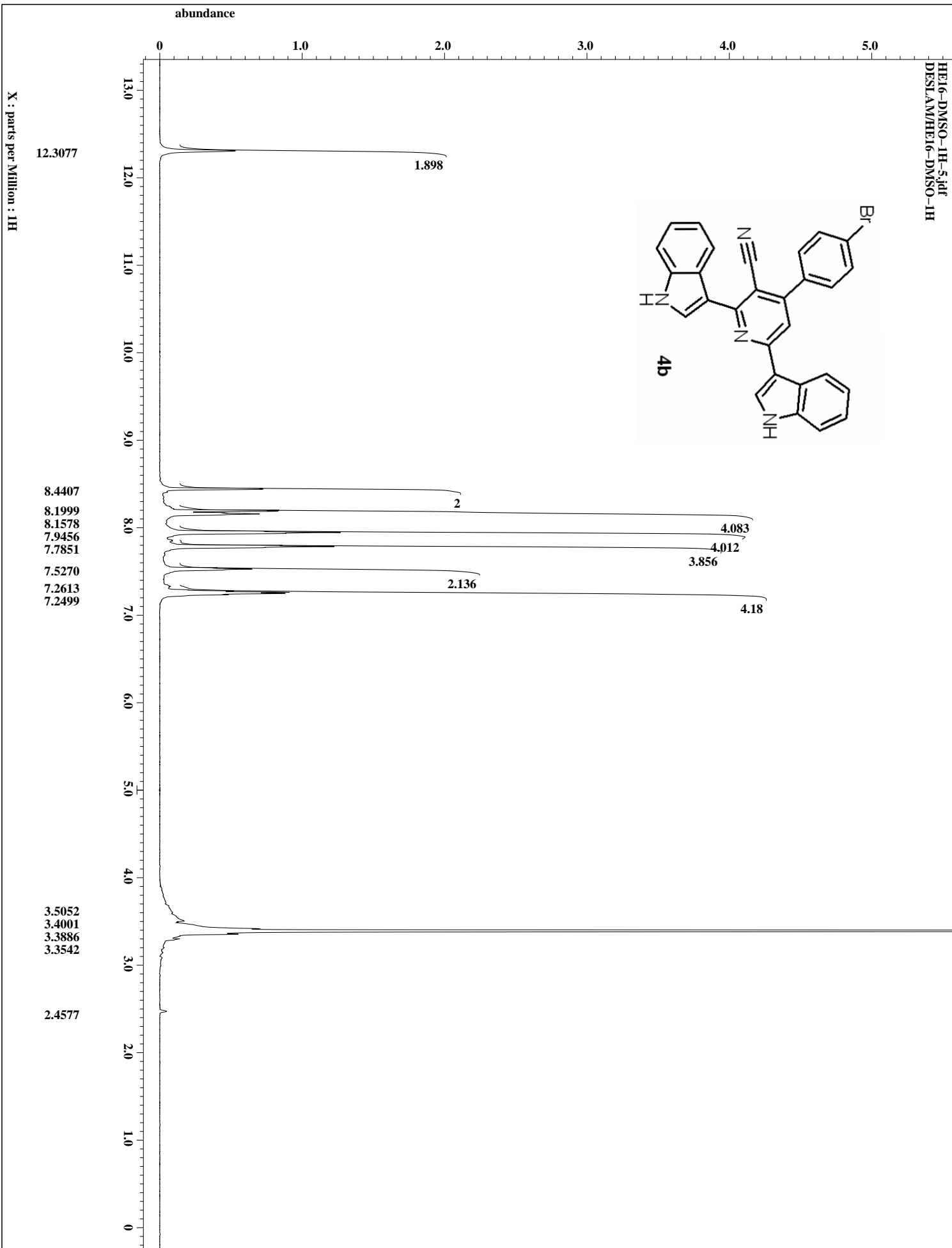
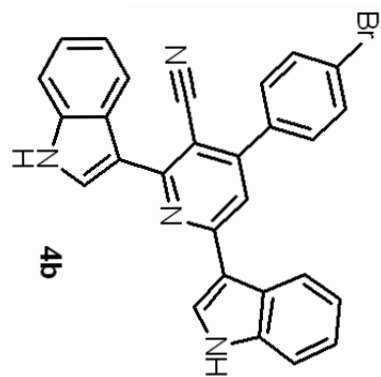
2.4730
2.4692
2.4195

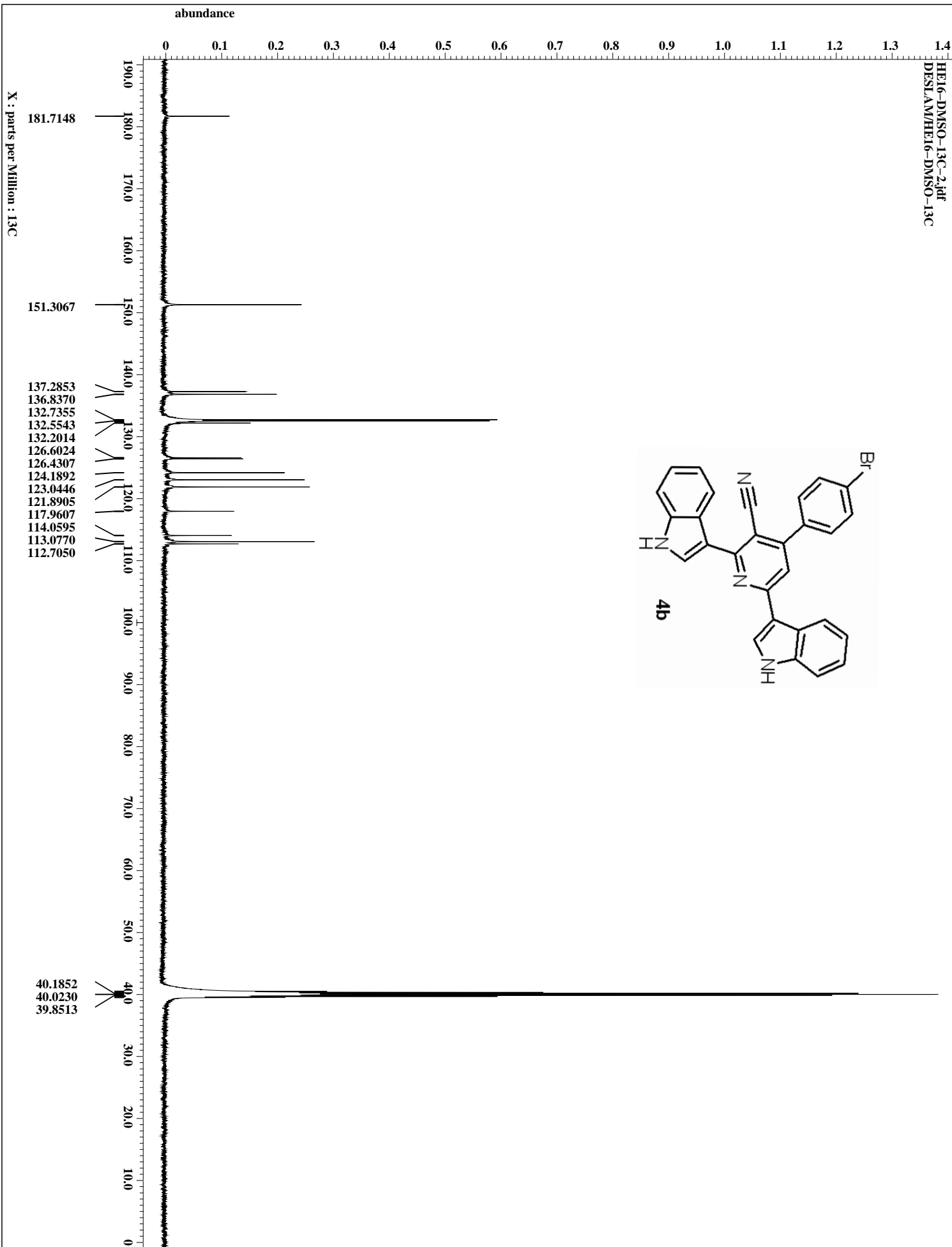
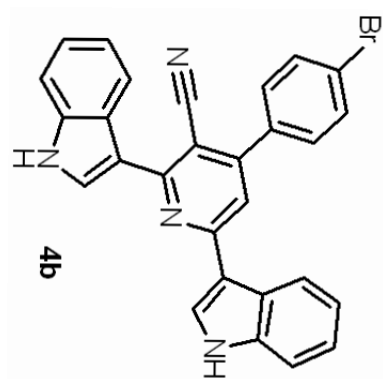
1.8823

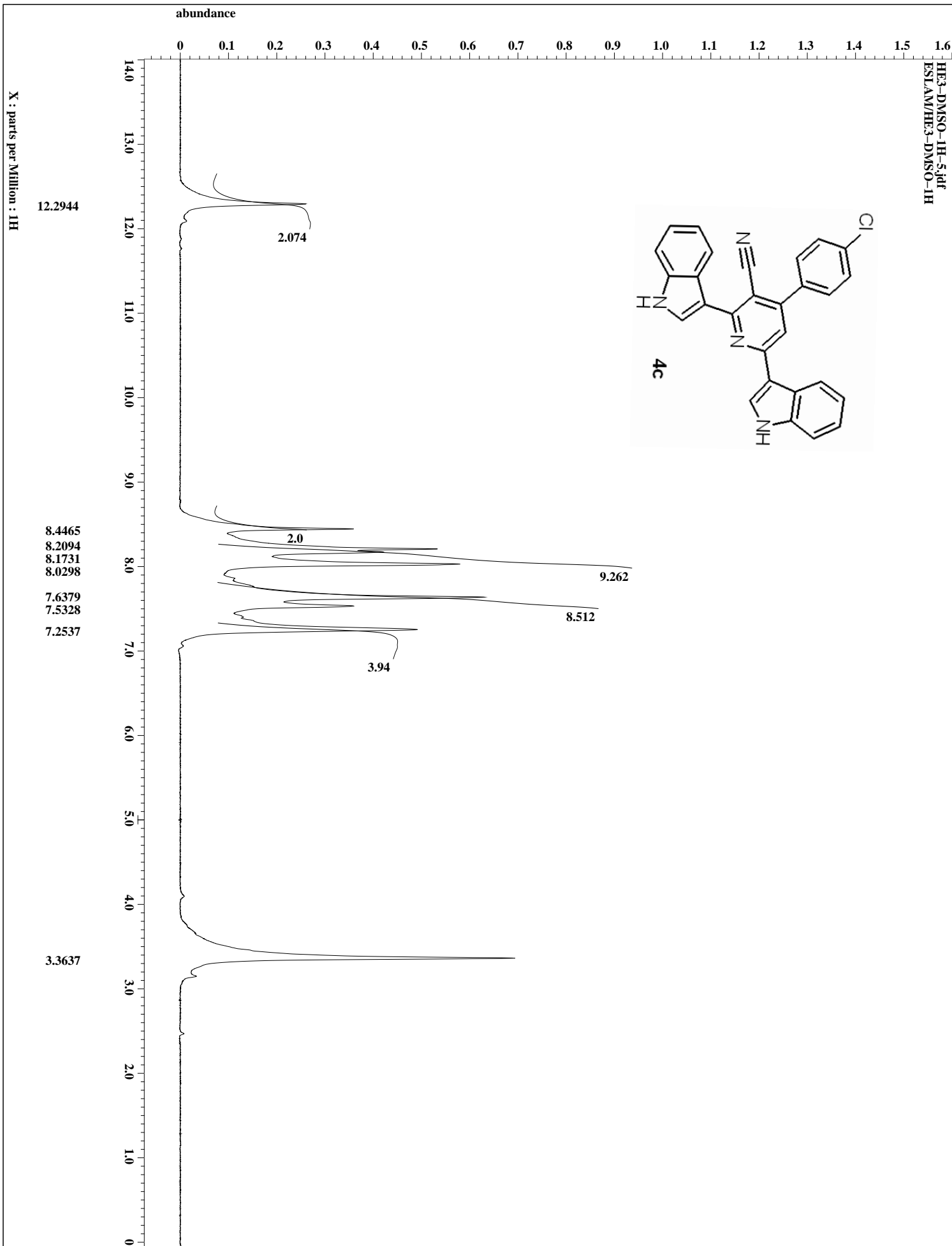
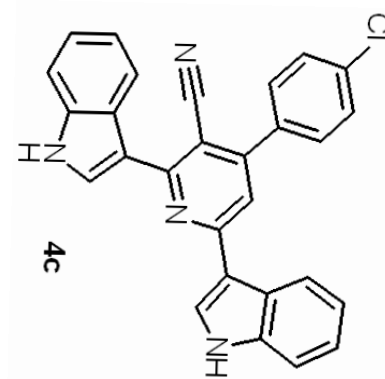


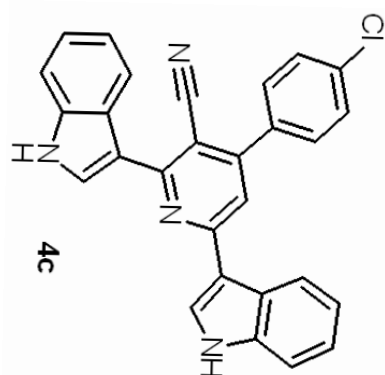
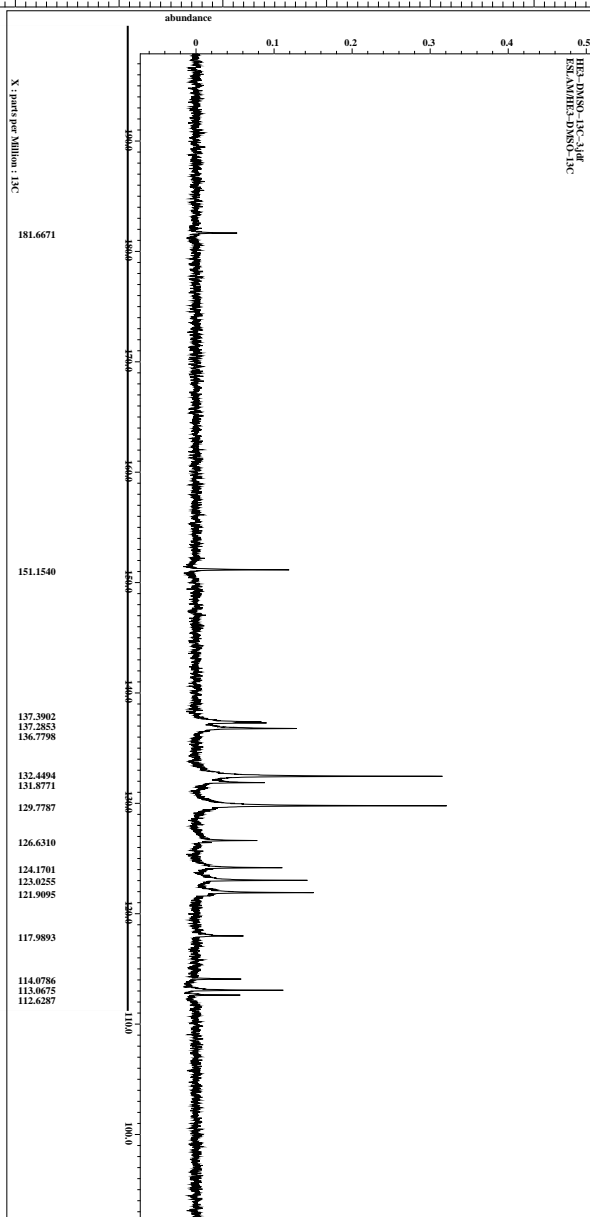
HAYAM-PHE1.DMSO.1H
HAYAM-PHE1.DMSO.1H











X : parts per Million : 13C

181.6671

151.1540

137.3902

137.2853

136.7798

132.4494

131.8771

129.7787

126.6310

124.1701

123.0255

121.9095

117.9893

114.0786

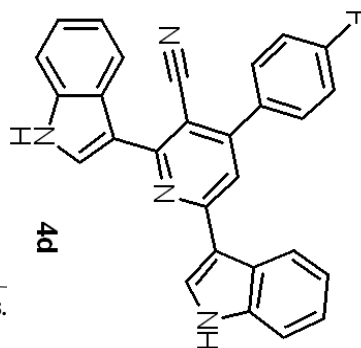
113.0675

112.6287

40.2233

40.0516

39.8895



X : parts per Million : 1H

12.2963

1.86

8.4407
8.2228
8.1559
8.1081

2

8

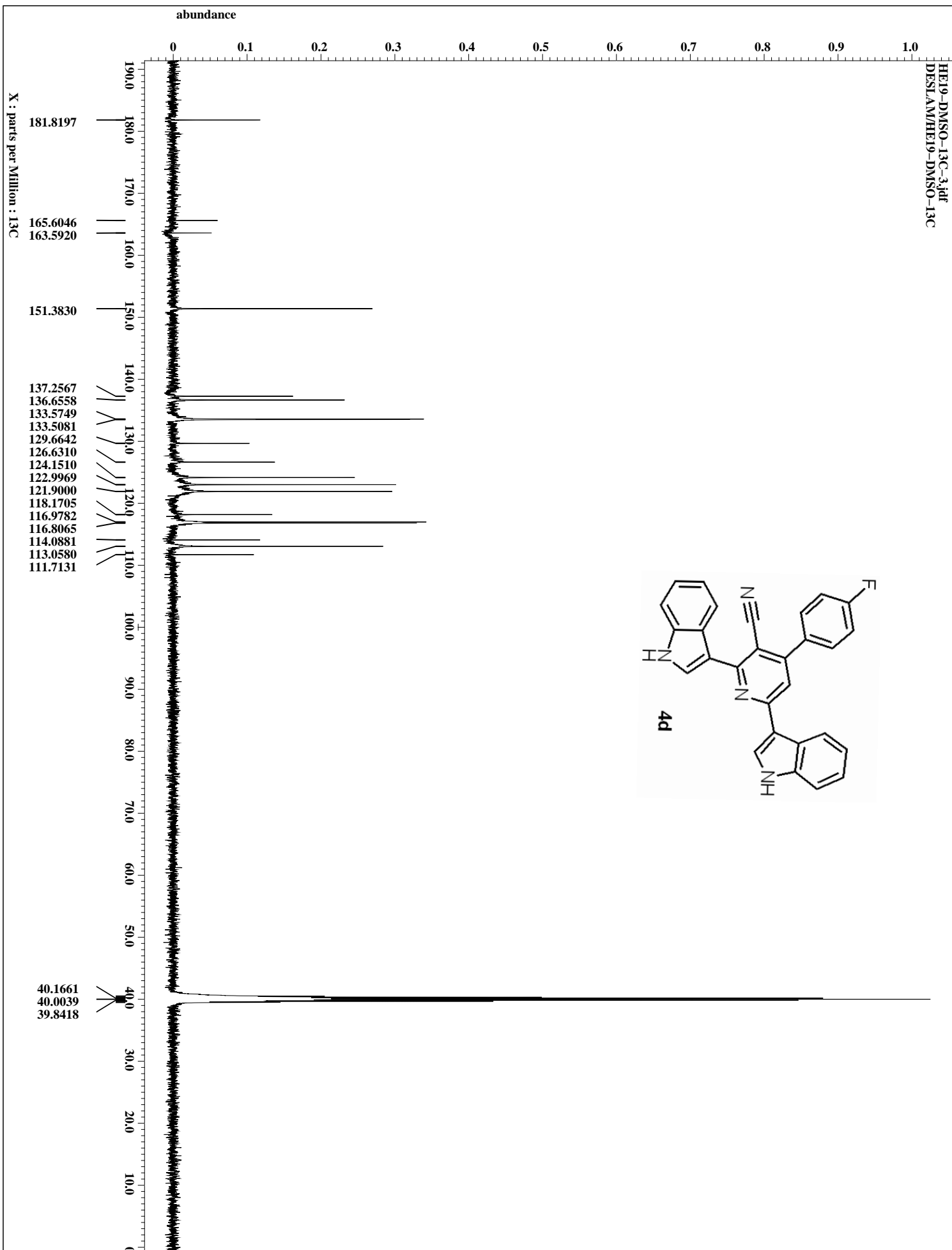
7.5232
7.4219
7.4047
7.2518

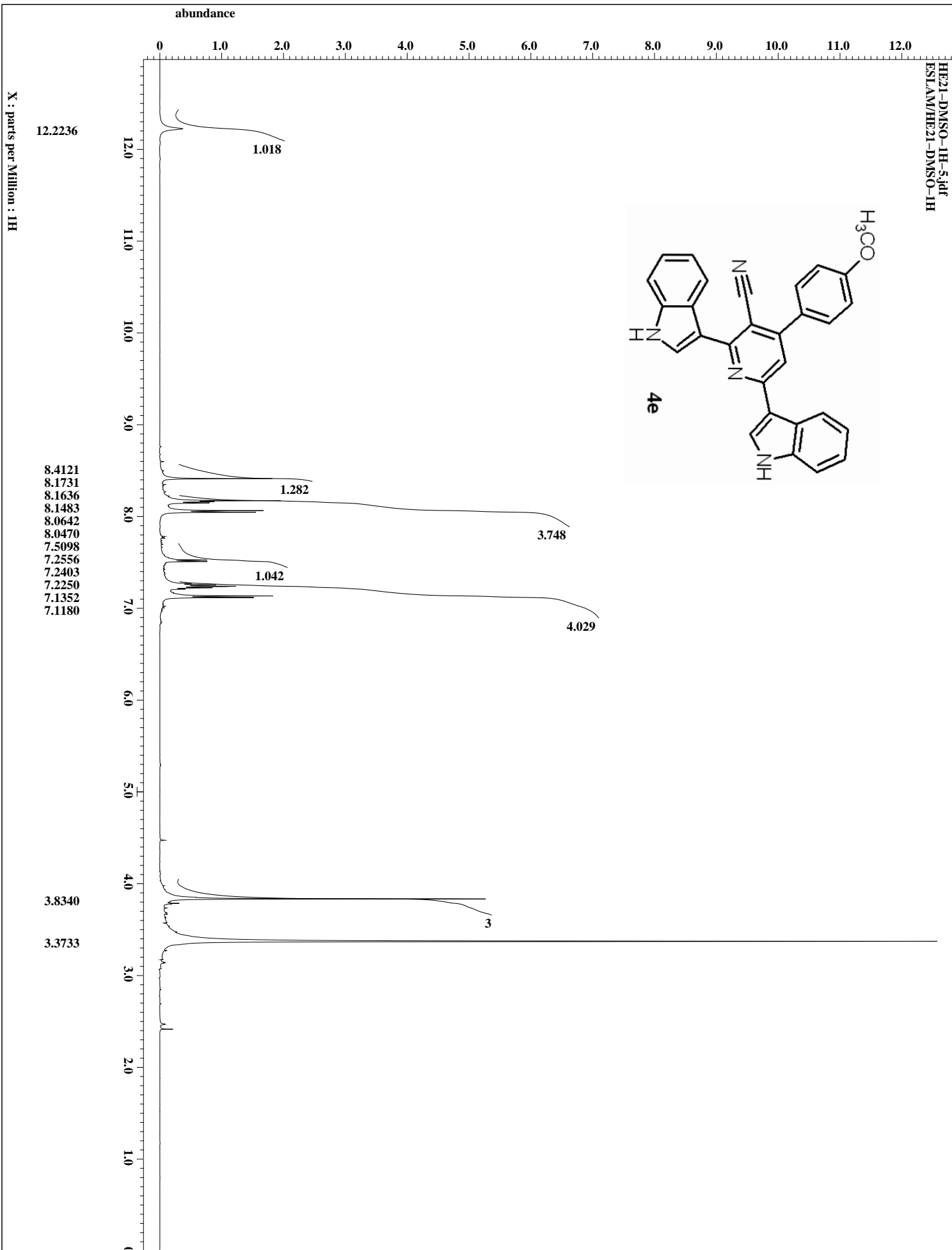
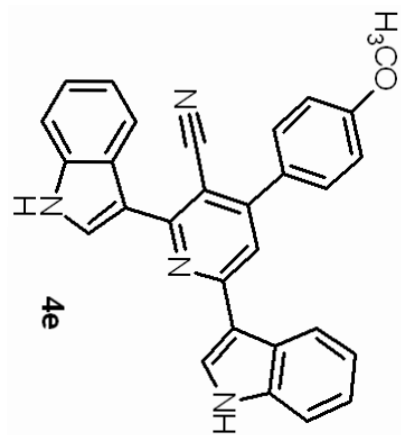
1.705

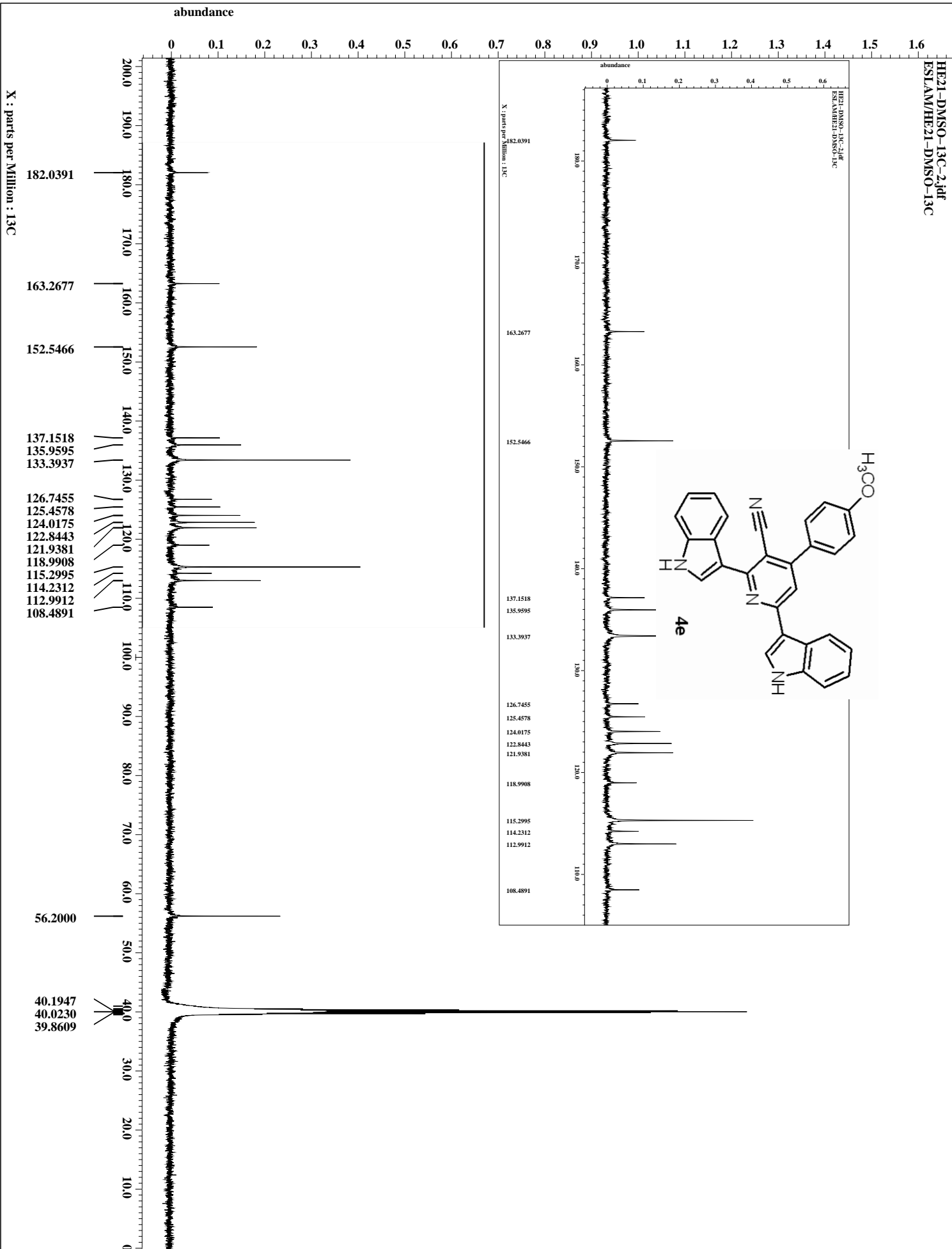
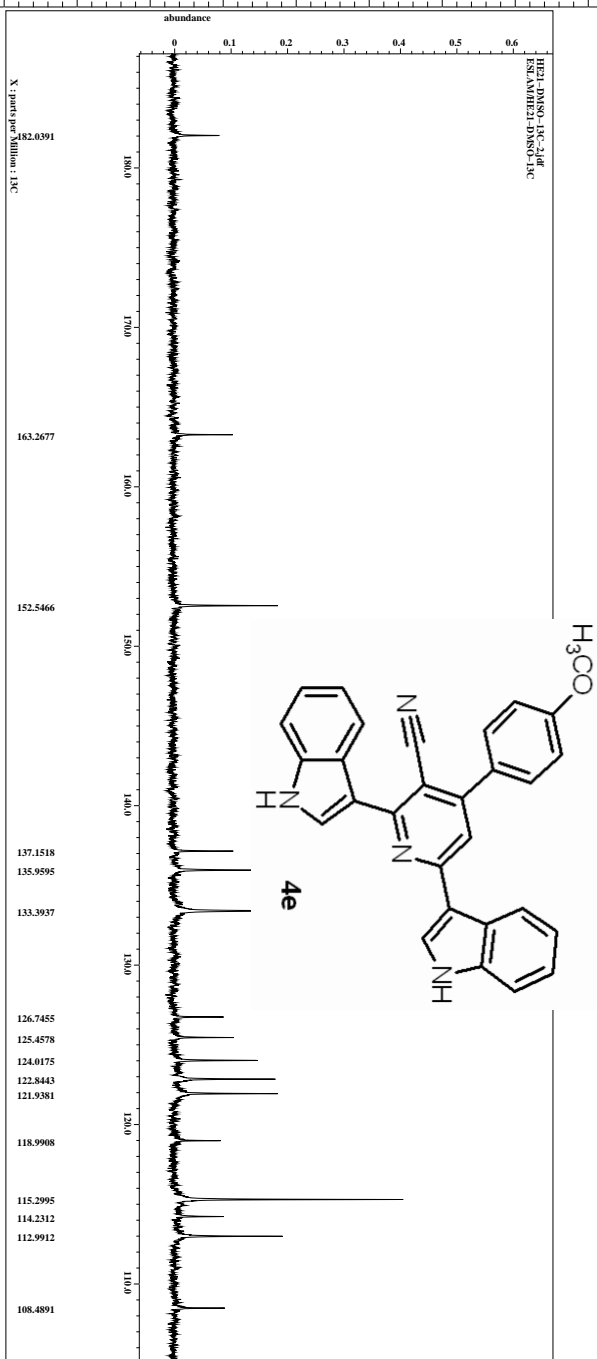
3.686

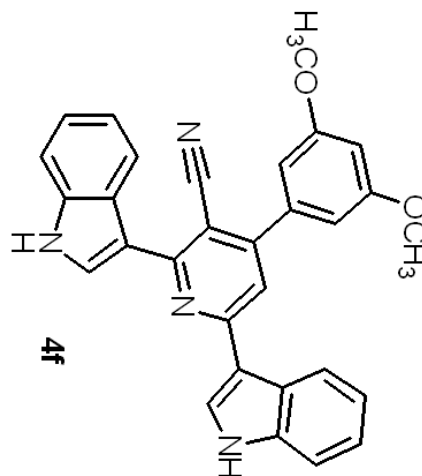
4.309

3.5033
3.4039

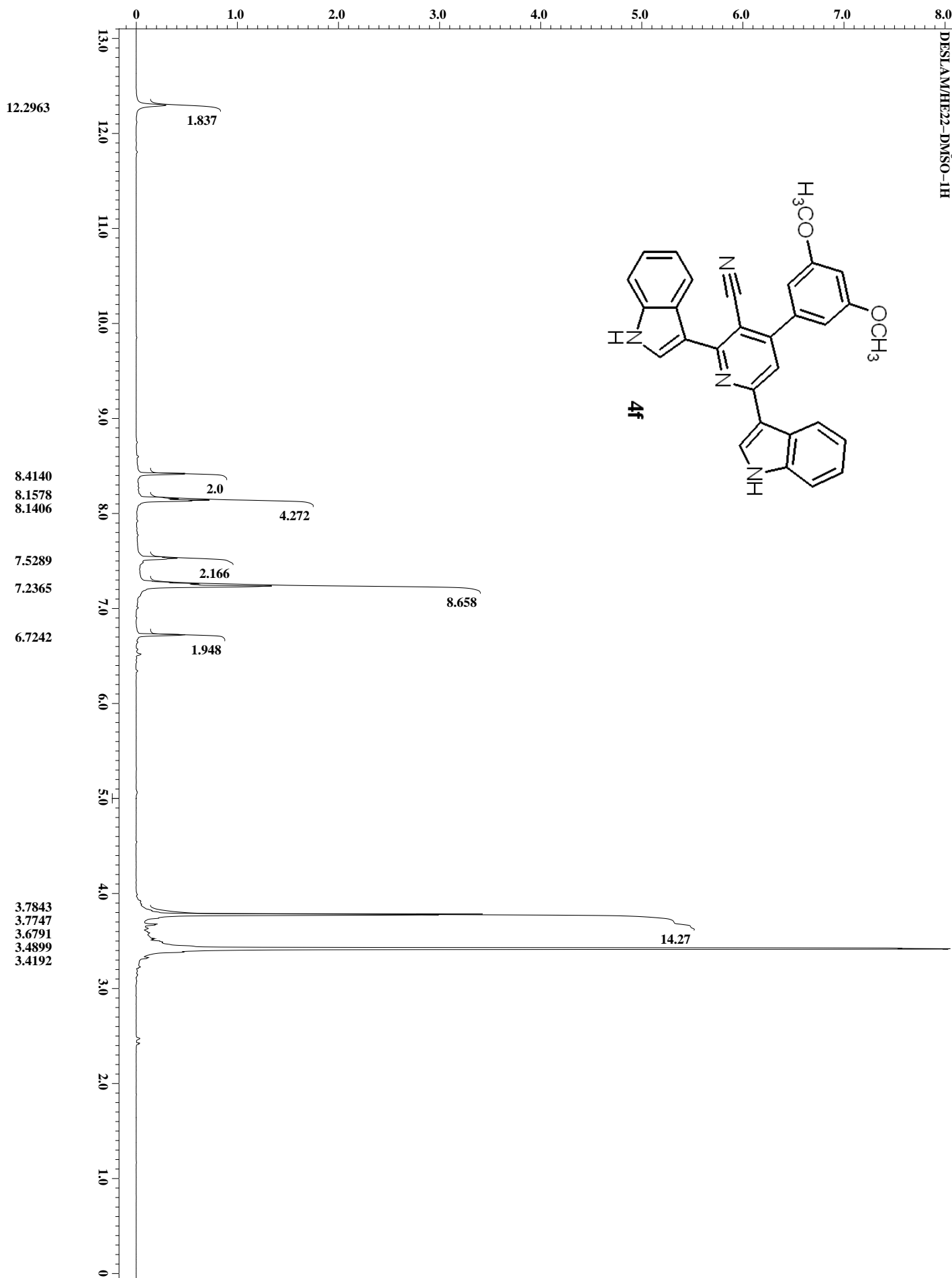


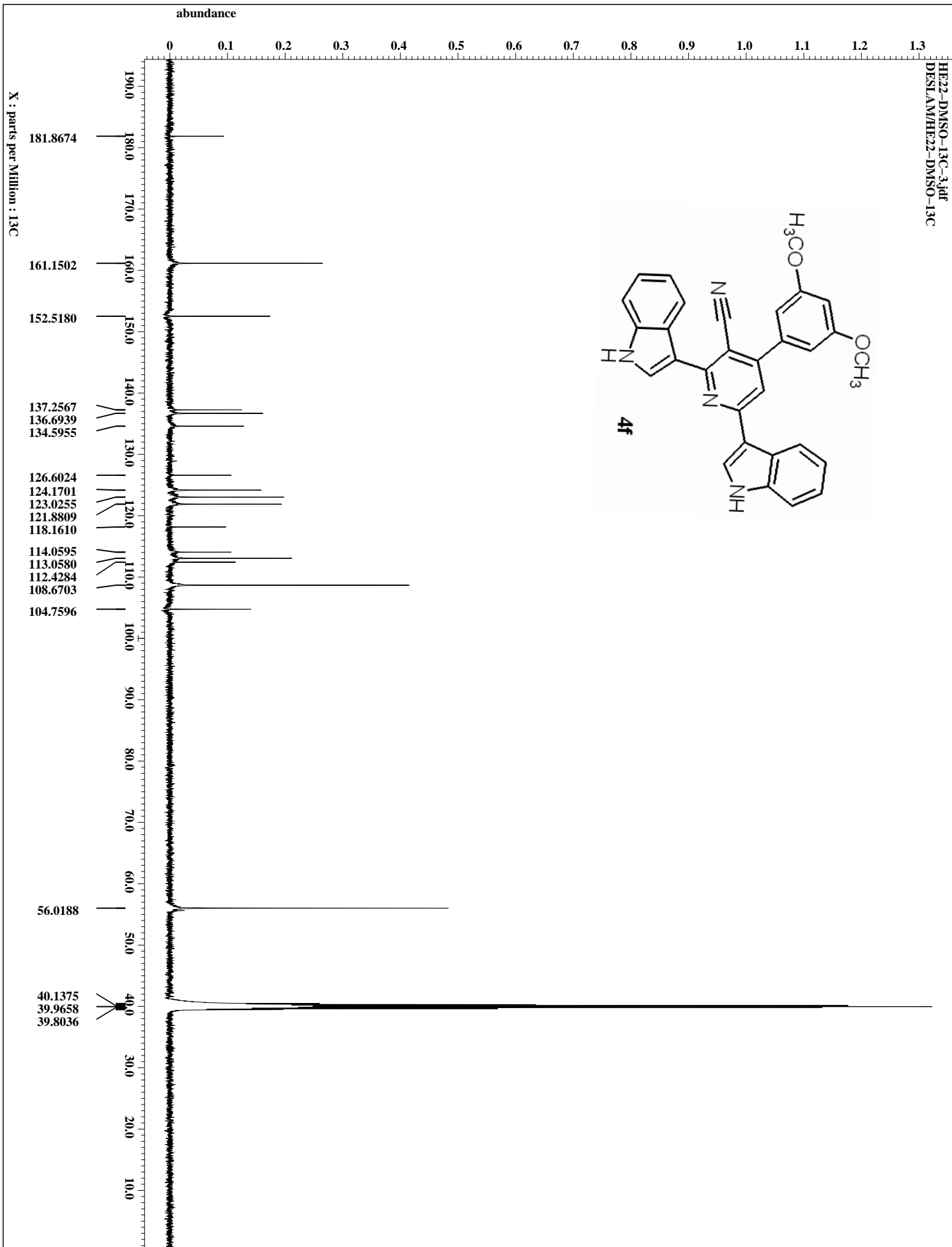


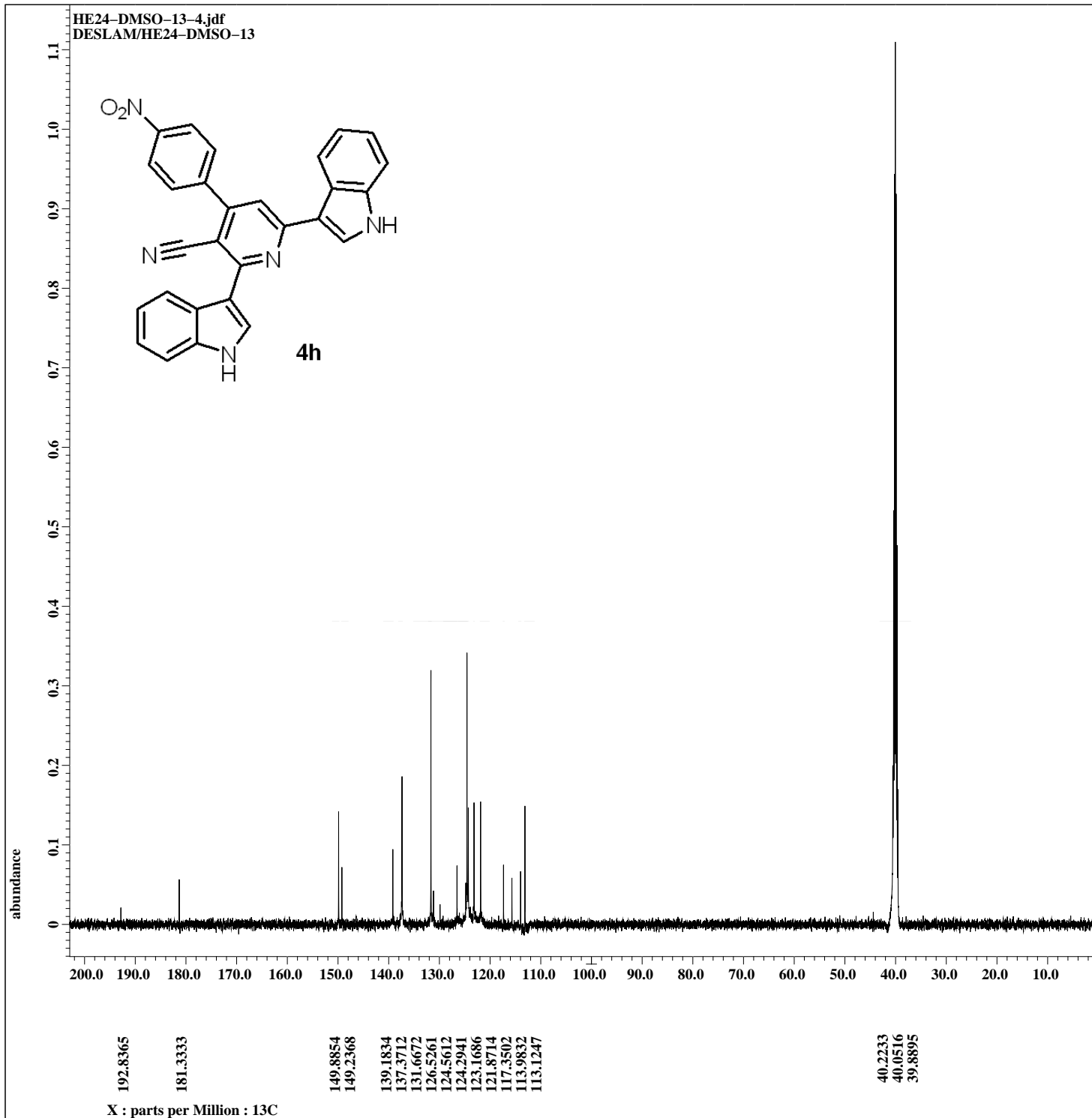




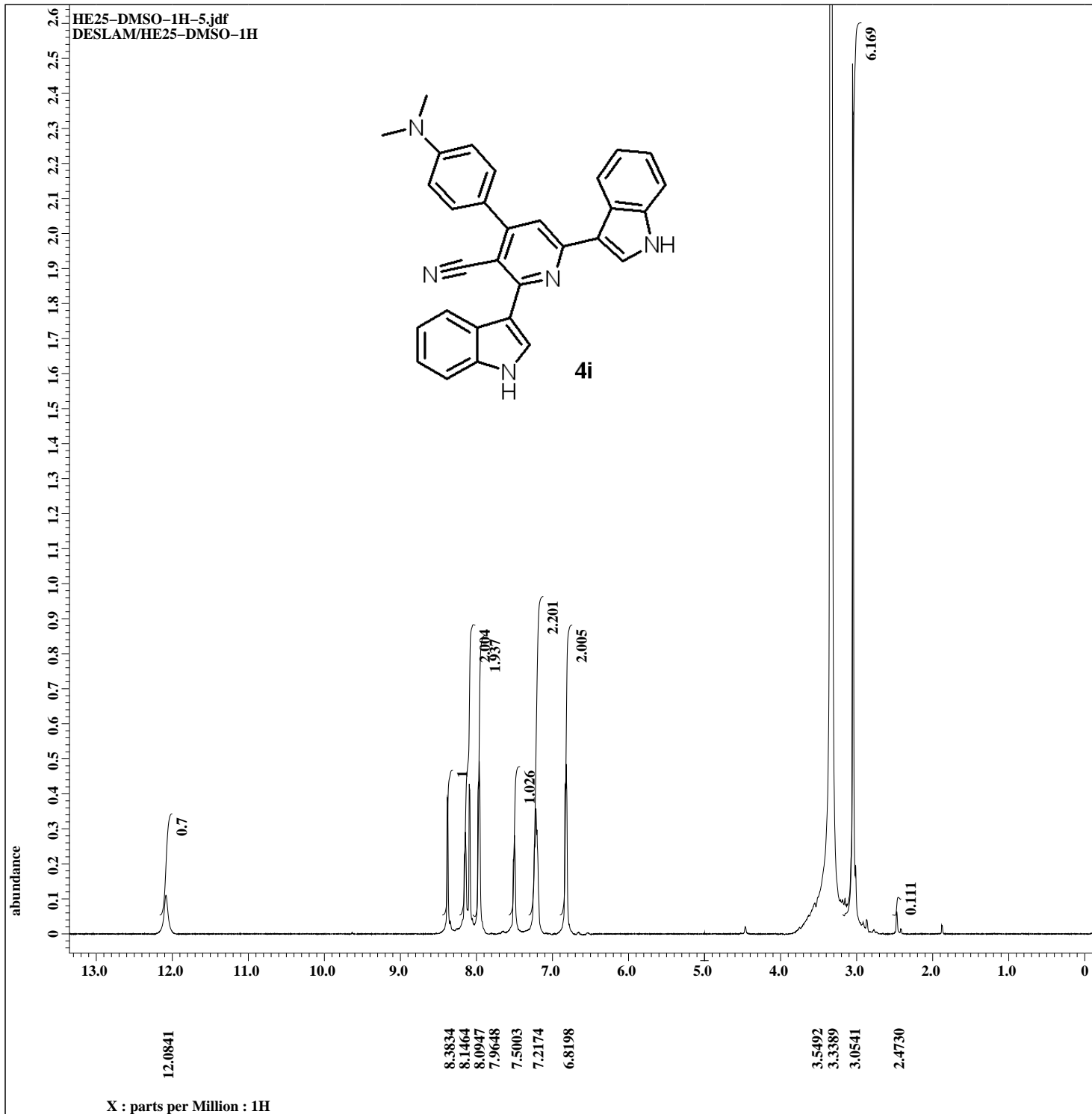
X : parts per Million : 1H





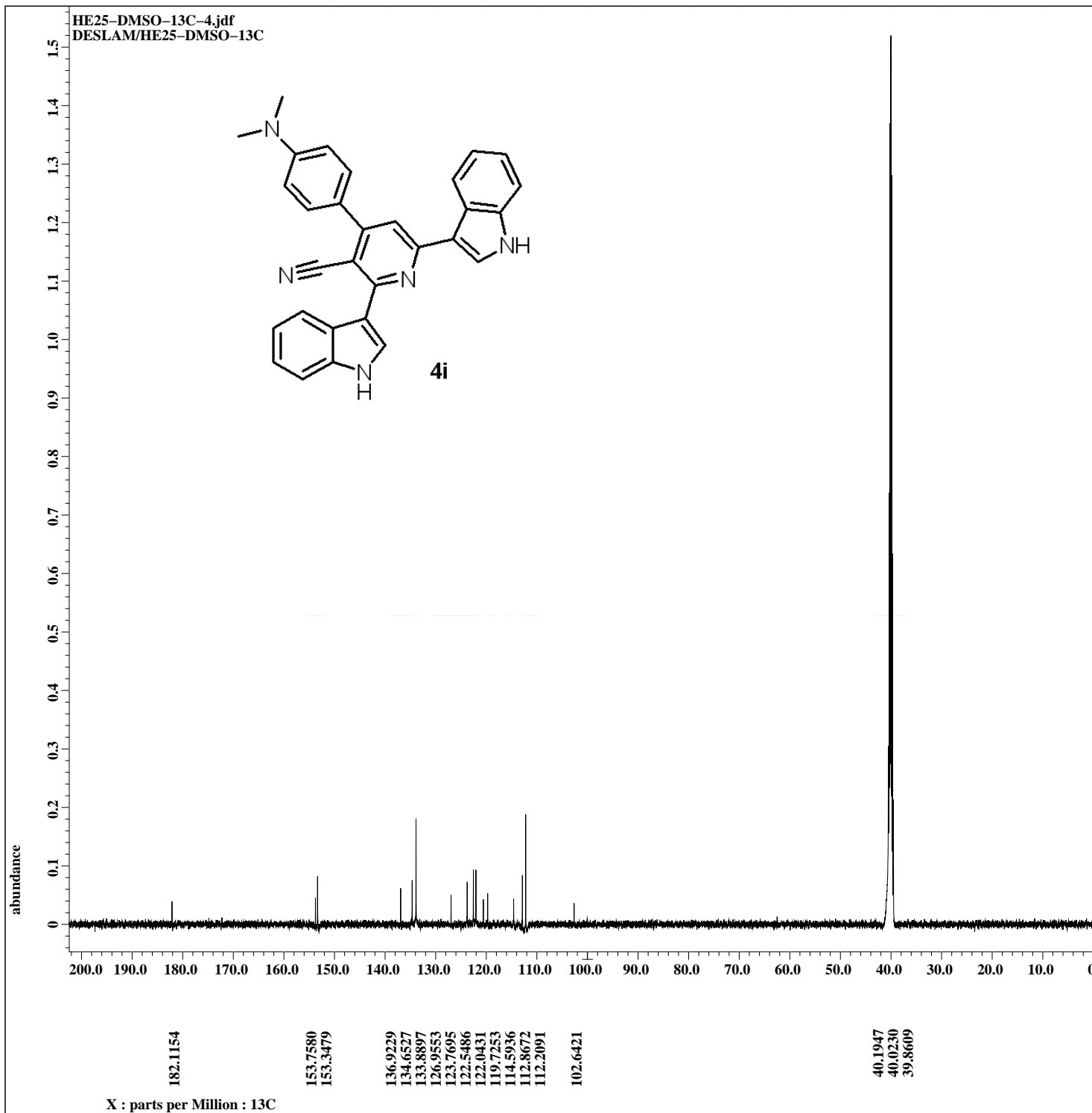


Author = delta3
Content = DESLAM/HE24-DMSO
Creation_time = 14-DEC-2020 18:3
Current_time = 9-JUN-2021 11:4
Data_format = 1D_REAL
Dim_size = 26214
Dim_title = 13C
Dim_units = [ppm]
Dimensions = X
Filename = HE24-DMSO-13-4.j
Machine = scc
Revision_time = 9-JUN-2021 11:4
Sample_id = DESLAM/HE24-DMSO
Site = ECA500 (Datum BL
Spectrometer = DELTA2_NMR
Scans = 694
Mod_return = 1
Total_scans = 694
X_points = 32768
X_prescans = 4
X_domain = 13C
X_offset = 100[ppm]
X_freq = 125.76529768[MHz]
X_sweep = 39.3081761[kHz]
X_resolution = 1.19959034[Hz]
Irr_domain = 1H
Irr_offset = 5.0[ppm]
Irr_freq = 500.15991521[MHz]
X_acq_duration = 0.83361792[s]
Digital_filter = TRUE
Filter_factor = 8
Af_version = 1
Delay_of_start = 1.99999974[s]
Actual_start_time = 14-DEC-2020 18:3
Acq_delay = 20.67[us]
Digital_filter_status = 2P
Clipped = TRUE
Dc_balanced = FALSE
X90 = 13[us]
Irr90 = 12[us]
Tri90 = 10[us]
Qua90 = 10[us]
Qui90 = 10[us]
Sex90 = 10[us]
Sep90 = 10[us]
Oct90 = 10[us]
Non90 = 10[us]
Dec90 = 10[us]
X90_hi = 0.118[ms]
Irr90_hi = 92[us]
Tri90_hi = 10[us]
Qua90_hi = 10[us]
Qui90_hi = 10[us]
Sex90_hi = 10[us]
Sep90_hi = 10[us]
Oct90_hi = 10[us]
Non90_hi = 10[us]
Dec90_hi = 10[us]
X90_lo = 0.118[ms]
Irr90_lo = 92[us]
Tri90_lo = 10[us]
Qua90_lo = 10[us]
Qui90_lo = 10[us]
Sex90_lo = 10[us]
Sep90_lo = 10[us]
Oct90_lo = 10[us]
Non90_lo = 10[us]
Dec90_lo = 10[us]
X90_spin = 1[us]
Irr90_spin = 38[us]



```

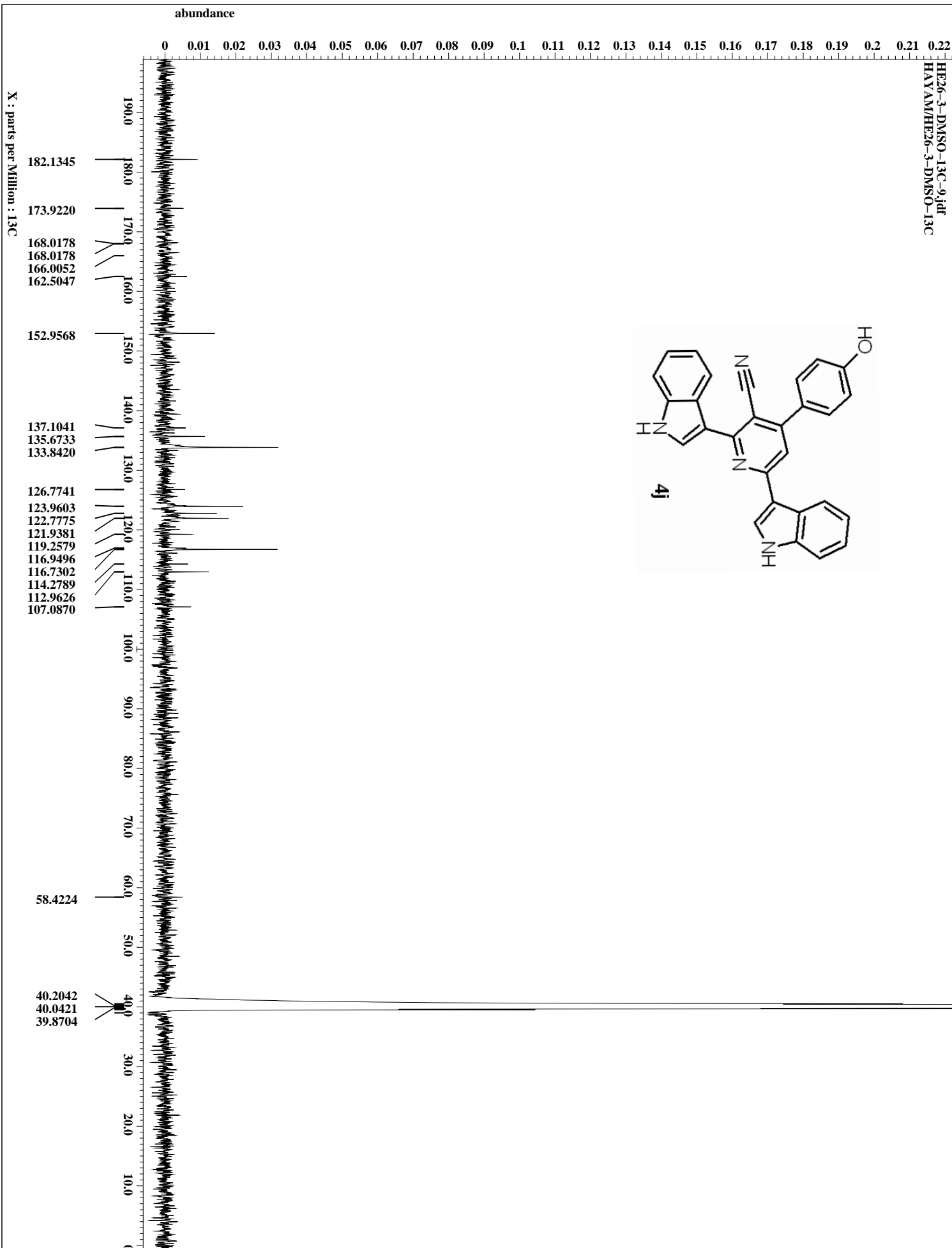
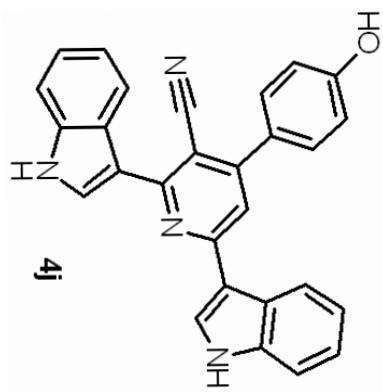
Author           = delta3
Content          = DESLAM/HE25-DMSO
Creation_time    = 15-DEC-2020 19:2
Current_time     = 9-JUN-2021 11:4
Data_format      = 1D REAL
Dim_size         = 13107
Dim_title        = 1H
Dim_units        = [ppm]
Dimensions       = X
Filename         = HE25-DMSO-1H-5.j
Machine          = scc
Revision_time    = 9-JUN-2021 11:4
Sample_id        = DESLAM/HE25-DMSO
Site             = ECA500 (Datum BL
Spectrometer     = DELTA2_NMR
Scans            = 16
Mod_return       = 1
Total_scans      = 16
X_points         = 16384
X_prescans       = 1
X_domain         = 1H
X_offset         = 5.0[ppm]
X_freq           = 500.15991521[MHz]
X_sweep          = 15.6641604[kHz]
X_resolution     = 0.95606448[Hz]
Irr_domain       = 1H
Irr_offset       = 5.0[ppm]
Irr_freq         = 500.15991521[MHz]
Tri_domain       = 1H
Tri_offset       = 5.0[ppm]
Tri_freq         = 500.15991521[MHz]
X_acq_duration   = 1.04595456[s]
Digital_filter   = TRUE
Filter_factor    = 8
Af_version       = 1
Delay_of_start   = 1.99999974[s]
Actual_start_time = 15-DEC-2020 19:2
Acq_delay        = 7.94[us]
Digital_filter_status = 2P
Clipped          = FALSE
Dc_balanced      = FALSE
X90              = 12[us]
Irr90            = 12[us]
Tri90            = 10[us]
Qua90            = 10[us]
Qui90            = 10[us]
Sex90            = 10[us]
Sep90            = 10[us]
Oct90            = 10[us]
Non90            = 10[us]
Dec90            = 10[us]
X90_hi           = 92[us]
Irr90_hi         = 92[us]
Tri90_hi         = 10[us]
Qua90_hi         = 10[us]
Qui90_hi         = 10[us]
Sex90_hi         = 10[us]
Sep90_hi         = 10[us]
Oct90_hi         = 10[us]
Non90_hi         = 10[us]
Dec90_hi         = 10[us]
X90_lo           = 92[us]
Irr90_lo         = 92[us]
Tri90_lo         = 10[us]
Qua90_lo         = 10[us]
Qui90_lo         = 10[us]
Sex90_lo         = 10[us]
Sep90_lo         = 10[us]
Oct90_lo         = 10[us]
Non90_lo         = 10[us]
  
```



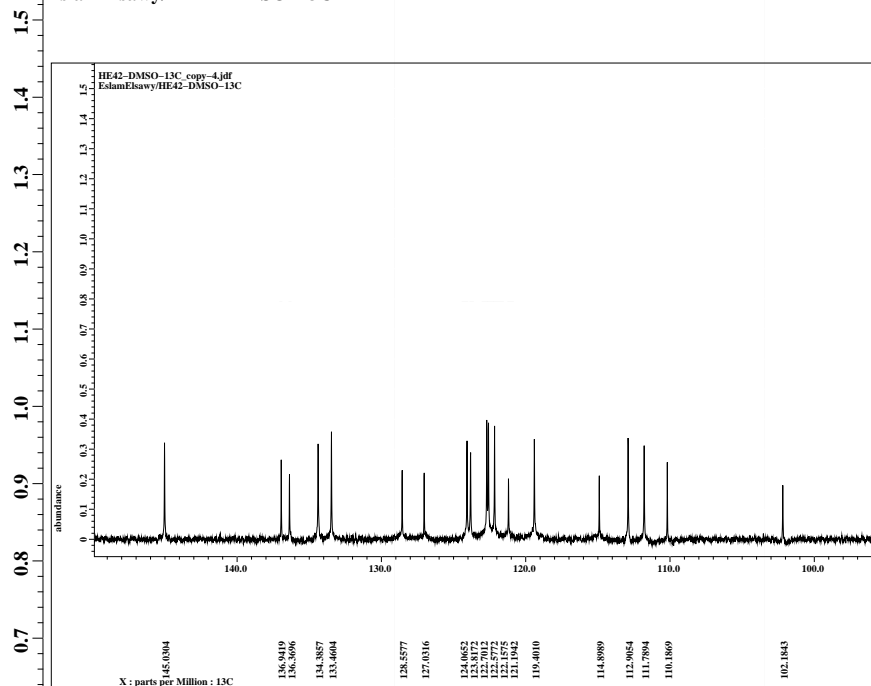
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Author           = delta3
Content          = DESLAM/HE25-DMSO
Creation_time    = 16-DEC-2020 17:2
Current_time     = 9-JUN-2021 11:3
Data_format      = 1D_REAL
Dim_size         = 26214
Dim_title        = 13C
Dim_units        = [ppm]
Dimensions       = X
Filename         = HE25-DMSO-13C-4.
Machine          = scc
Revision_time    = 9-JUN-2021 11:3
Sample_id        = DESLAM/HE25-DMSO
Site             = ECA500 (Datum BL
Spectrometer     = DELTA2_NMR
Scans            = 843
Mod_return       = 1
Total_scans      = 843
X_points         = 32768
X_prescans       = 4
X_domain         = 13C
X_offset         = 100[ppm]
X_freq           = 125.76529768[MHz]
X_sweep          = 39.3081761[kHz]
X_resolution     = 1.19959034[Hz]
Irr_domain       = 1H
Irr_offset       = 5.0[ppm]
Irr_freq         = 500.15991521[MHz]
X_acq_duration   = 0.83361792[s]
Digital_filter   = TRUE
Filter_factor     = 8
Af_version       = 1
Delay_of_start   = 1.99999974[s]
Actual_start_time = 16-DEC-2020 17:2
Acq_delay        = 20.67[us]
Digital_filter_status = 2P
Clipped          = FALSE
Dc_balanced      = FALSE
X90              = 13[us]
Irr90            = 12[us]
Tri90            = 10[us]
Qua90            = 10[us]
Qui90            = 10[us]
Sex90            = 10[us]
Sep90            = 10[us]
Oct90            = 10[us]
Non90            = 10[us]
Dec90            = 10[us]
X90_hi           = 0.118[ms]
Irr90_hi         = 92[us]
Tri90_hi         = 10[us]
Qua90_hi         = 10[us]
Qui90_hi         = 10[us]
Sex90_hi         = 10[us]
Sep90_hi         = 10[us]
Oct90_hi         = 10[us]
Non90_hi         = 10[us]
Dec90_hi         = 10[us]
X90_lo           = 0.118[ms]
Irr90_lo         = 92[us]
Tri90_lo         = 10[us]
Qua90_lo         = 10[us]
Qui90_lo         = 10[us]
Sex90_lo         = 10[us]
Sep90_lo         = 10[us]
Oct90_lo         = 10[us]
Non90_lo         = 10[us]
Dec90_lo         = 10[us]
X90_spin         = 1[us]
Irr90_spin       = 38[us]

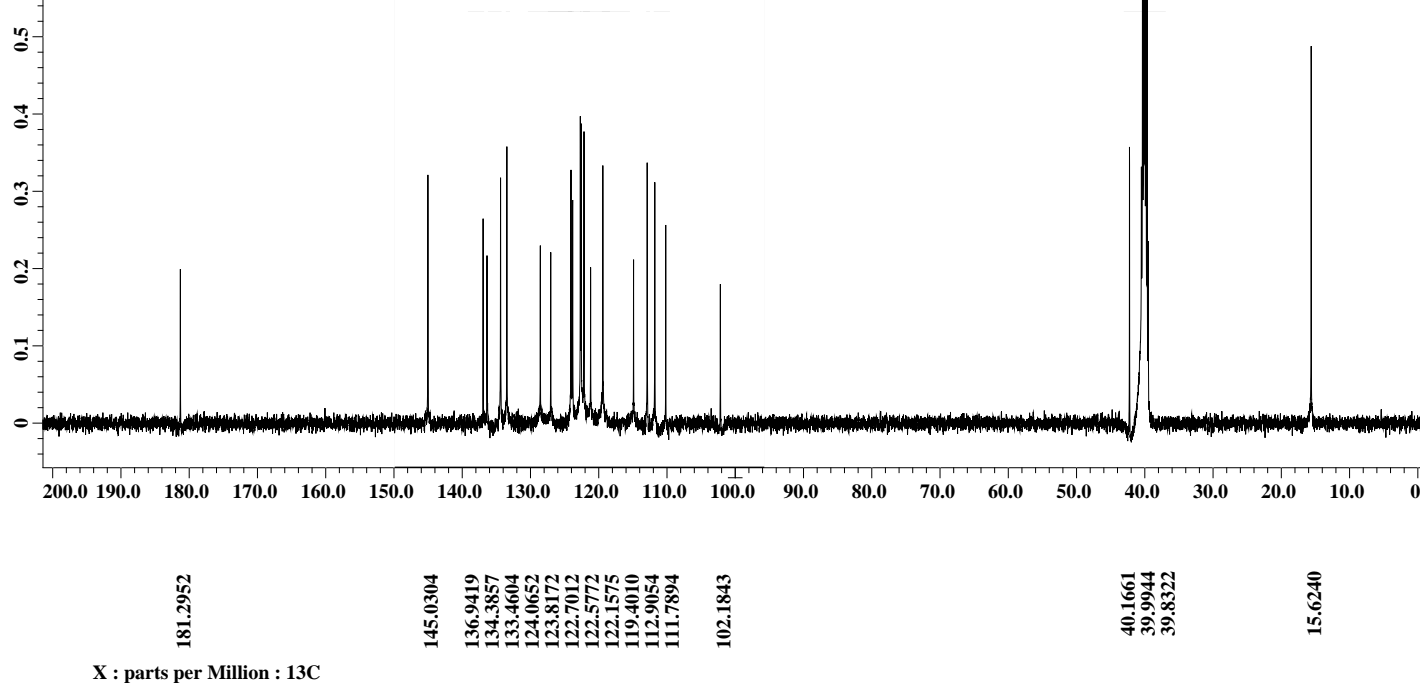
```



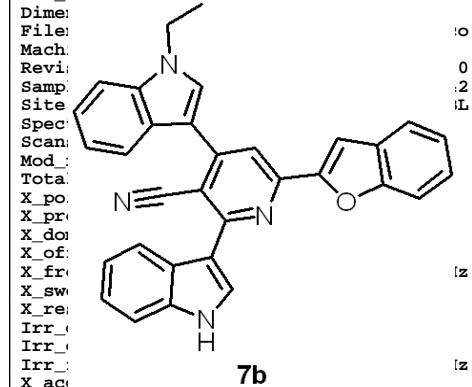
HE42-DMSO-13C_copy-4.jdf
EslamElsawy/HE42-DMSO-13C



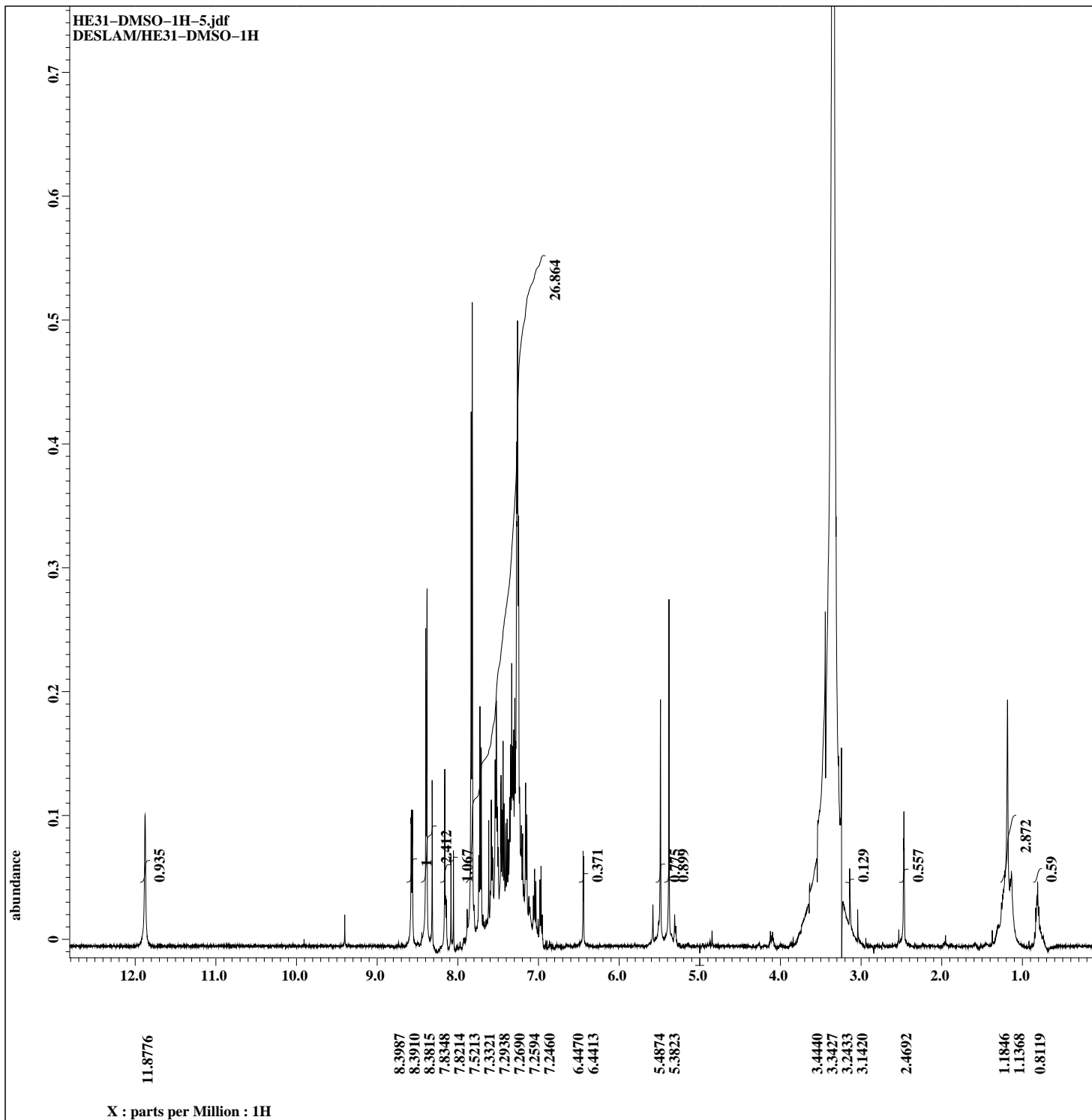
abundance



Author = delta3
Content = EslamElsawy/HE42
Creation_time = 22-FEB-2021 19:0
Current_time = 22-FEB-2021 12:0
Data_format = 1D REAL
Dim_size = 26214
Dim_title = 13C
Dim_units = [ppm]



Digital_filter = TRUE
Filter_factor = 8
Af_version = 1
Delay_of_start = 1.99999974[s]
Actual_start_time = 22-FEB-2021 19:0
Acq_delay = 20.67[us]
Digital_filter_status = 2P
Clipped = FALSE
Dc_balanced = FALSE
X90 = 13[us]
Irr90 = 12[us]
Tri90 = 10[us]
Qua90 = 10[us]
Qui90 = 10[us]
Sex90 = 10[us]
Sep90 = 10[us]
Oct90 = 10[us]
Non90 = 10[us]
Dec90 = 10[us]
X90_hi = 0.118[ms]
Irr90_hi = 92[us]
Tri90_hi = 10[us]
Qua90_hi = 10[us]
Qui90_hi = 10[us]
Sex90_hi = 10[us]
Sep90_hi = 10[us]
Oct90_hi = 10[us]
Non90_hi = 10[us]
Dec90_hi = 10[us]
X90_lo = 0.118[ms]
Irr90_lo = 92[us]
Tri90_lo = 10[us]
Qua90_lo = 10[us]
Qui90_lo = 10[us]
Sex90_lo = 10[us]
Sep90_lo = 10[us]
Oct90_lo = 10[us]
Non90_lo = 10[us]
Dec90_lo = 10[us]
X90_spin = 1[us]
Irr90_spin = 38[us]

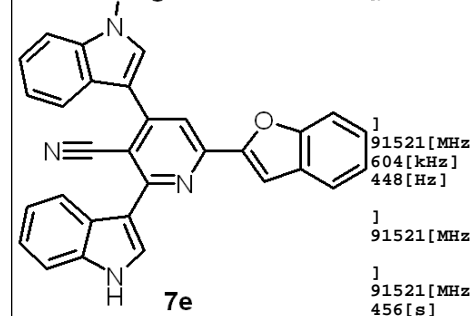


Author = delta3
Content = DESLAM/HE31-DMSO
Creation_time = 24-DEC-2020 18:5
Current_time = 9-JUN-2021 11:3
Data_format = 1D REAL
Dim_size = 13107
Dim_title = 1H
Dim_units = [ppm]
Dimensions = X
Filename = HE31-DMSO-1H-5.j
Machine = scc
Revision_time = 9-JUN-2021 11:3
Sample_id = DESLAM/HE31-DMSO
Site = ECA500 (Datum BL
Spectrometer = DELTA2_NMR
Scans = 16
Mod_return = 1
Total_scans = 16
X_points = 16384
X_prescans = 1
X_domain = 1H
X_offset = 5.0[ppm]
X_freq = 500.15991521[MHz]
X_sweep = 15.6641604[kHz]
X_resolution = 0.95606448[Hz]
Irr_domain = 1H
Irr_offset = 5.0[ppm]
Irr_freq = 500.15991521[MHz]
Tri_domain = 1H
Tri_offset = 5.0[ppm]
Tri_freq = 500.15991521[MHz]
X_acq_duration = 1.04595456[s]
Digital_filter = TRUE
Filter_factor = 8
Af_version = 1
Delay_of_start = 1.99999974[s]
Actual_start_time = 24-DEC-2020 18:5
Acq_delay = 7.94[us]
Digital_filter_status = 2P
Clipped = FALSE
Dc_balanced = FALSE
X90 = 12[us]
Irr90 = 12[us]
Tri90 = 10[us]
Qua90 = 10[us]
Qui90 = 10[us]
Sex90 = 10[us]
Sep90 = 10[us]
Oct90 = 10[us]
Non90 = 10[us]
Dec90 = 10[us]
X90_hi = 92[us]
Irr90_hi = 92[us]
Tri90_hi = 10[us]
Qua90_hi = 10[us]
Qui90_hi = 10[us]
Sex90_hi = 10[us]
Sep90_hi = 10[us]
Oct90_hi = 10[us]
Non90_hi = 10[us]
Dec90_hi = 10[us]
X90_lo = 92[us]
Irr90_lo = 92[us]
Tri90_lo = 10[us]
Qua90_lo = 10[us]
Qui90_lo = 10[us]
Sex90_lo = 10[us]
Sep90_lo = 10[us]
Oct90_lo = 10[us]
Non90_lo = 10[us]



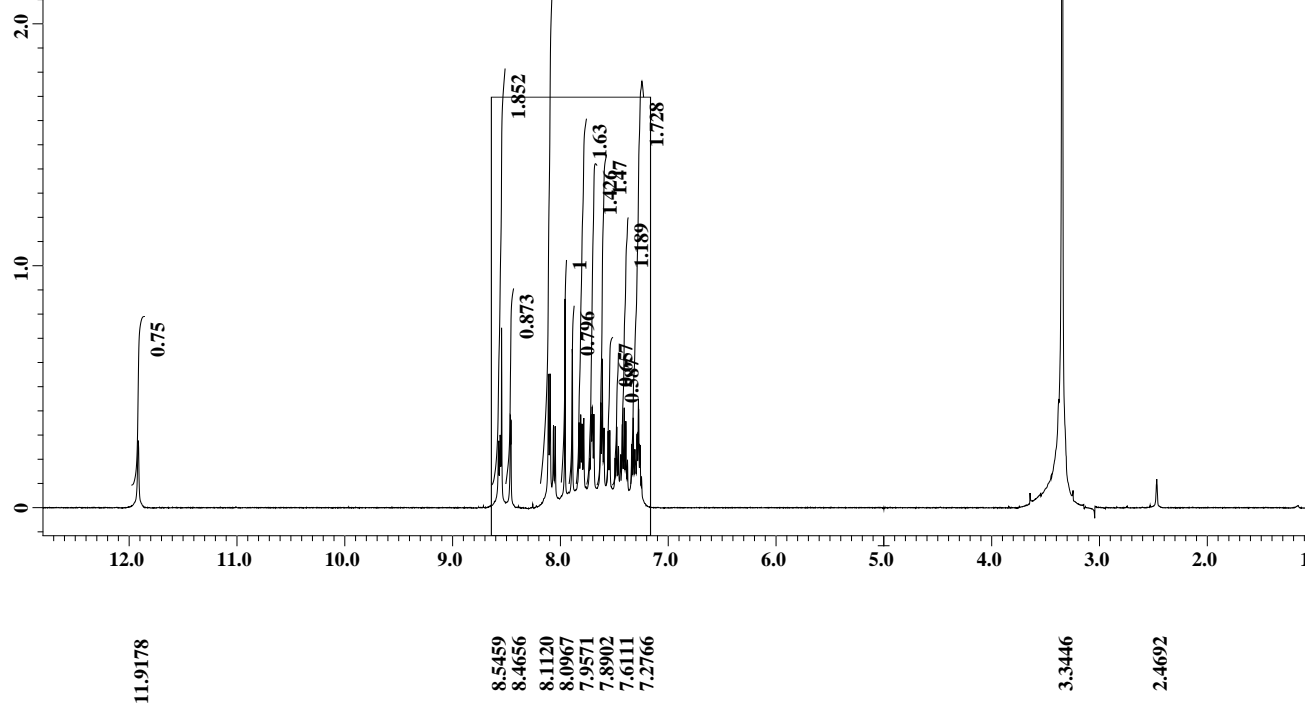
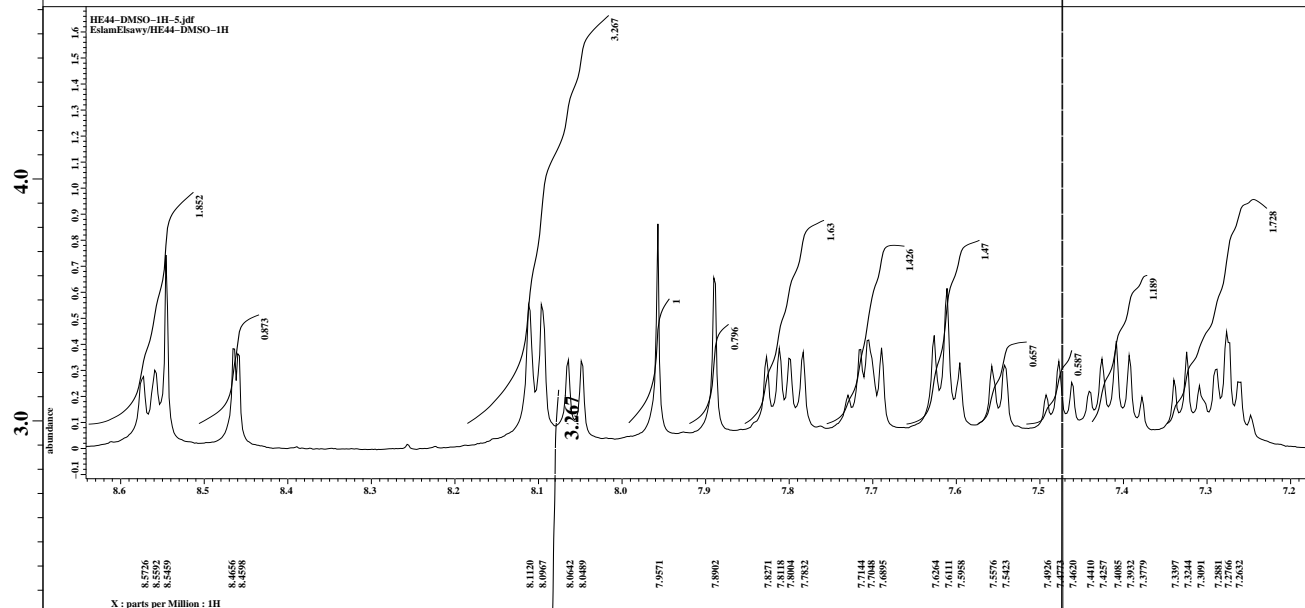
Author = delta3
 Content = EslamElsawy/HE44
 Creation_time = 18-FEB-2021 19:4
 Current_time = 18-FEB-2021 12:4
 Data_format = 1D REAL
 Dim_size = 13107
 Dim_title = 1H
 Dim_units = [ppm]

SO-1H-5.j
 2021 12:4
 sawy/HE44
 (Datum BL
 NMR



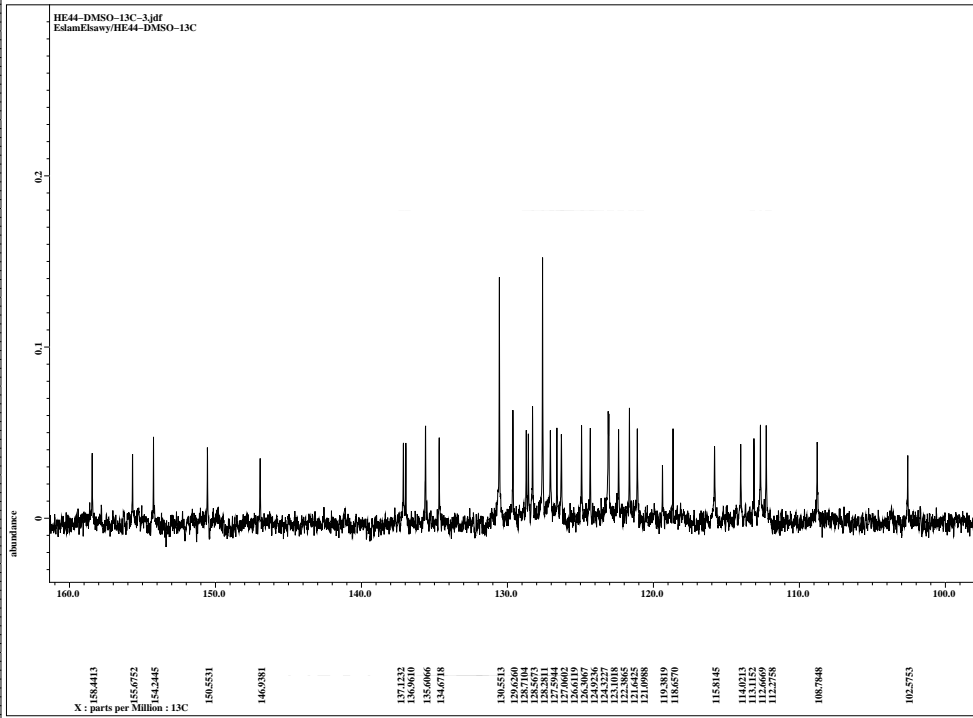
Digital_filter = TRUE
 Filter_factor = 8
 Af_version = 1
 Delay_of_start = 1.99999974[s]
 Actual_start_time = 18-FEB-2021 19:4
 Acq_delay = 7.94[us]
 Digital_filter_status = 2P
 Clipped = FALSE
 Dc_balanced = FALSE
 X90 = 12[us]
 Irr90 = 12[us]
 Tri90 = 10[us]
 Qua90 = 10[us]
 Qui90 = 10[us]
 Sex90 = 10[us]
 Sep90 = 10[us]
 Oct90 = 10[us]
 Non90 = 10[us]
 Dec90 = 10[us]
 X90_hi = 92[us]
 Irr90_hi = 92[us]
 Tri90_hi = 10[us]
 Qua90_hi = 10[us]
 Qui90_hi = 10[us]
 Sex90_hi = 10[us]
 Sep90_hi = 10[us]
 Oct90_hi = 10[us]
 Non90_hi = 10[us]
 Dec90_hi = 10[us]
 X90_lo = 92[us]
 Irr90_lo = 92[us]
 Tri90_lo = 10[us]
 Qua90_lo = 10[us]
 Qui90_lo = 10[us]
 Sex90_lo = 10[us]
 Sep90_lo = 10[us]
 Oct90_lo = 10[us]
 Non90_lo = 10[us]

HE44-DMSO-1H-5.jdf
 EslamElsawy/HE44-DMSO-1H



HE44-DMSO-13C-3.jdf
EslamElsawy/HE44-DMSO-13C

1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
abundance



abundance

200.0 190.0 180.0 170.0 160.0 150.0 140.0 130.0 120.0 110.0 100.0 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20.0 10.0

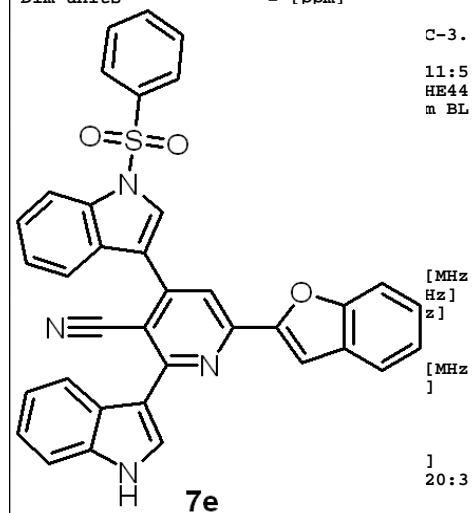
158.4413
155.6752
154.2445
150.5531
146.9381
135.6066
130.5513
129.6260
128.2811
127.5944
126.6119
124.9236
124.3227
123.1018
121.6425
121.6669
112.2758
102.5753

X : parts per Million : 13C

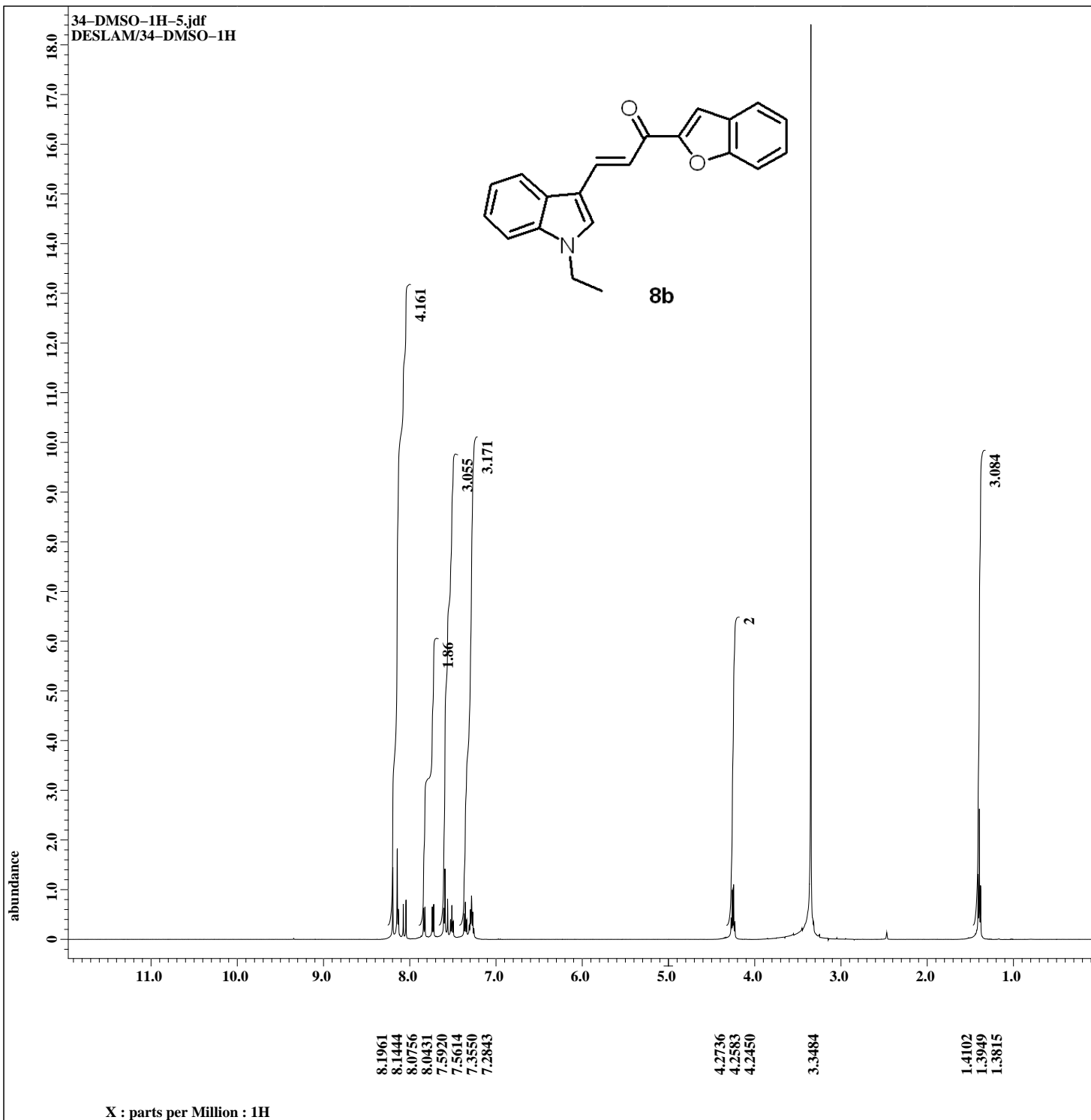
40.2042
40.0421
39.8704



Author = delta3
Content = EslamElsawy/HE44
Creation_time = 18-FEB-2021 20:3
Current_time = 22-FEB-2021 11:5
Data_format = 1D COMPLEX
Dim_size = 26214
Dim_title = 13C
Dim_units = [ppm]



Clipped = FALSE
Dc_balanced = FALSE
X90 = 13[us]
Irr90 = 12[us]
Tri90 = 10[us]
Qua90 = 10[us]
Qui90 = 10[us]
Sex90 = 10[us]
Sep90 = 10[us]
Oct90 = 10[us]
Non90 = 10[us]
Dec90 = 10[us]
X90_hi = 0.118[ms]
Irr90_hi = 92[us]
Tri90_hi = 10[us]
Qua90_hi = 10[us]
Qui90_hi = 10[us]
Sex90_hi = 10[us]
Sep90_hi = 10[us]
Oct90_hi = 10[us]
Non90_hi = 10[us]
Dec90_hi = 10[us]
X90_lo = 0.118[ms]
Irr90_lo = 92[us]
Tri90_lo = 10[us]
Qua90_lo = 10[us]
Qui90_lo = 10[us]
Sex90_lo = 10[us]
Sep90_lo = 10[us]
Oct90_lo = 10[us]
Non90_lo = 10[us]
Dec90_lo = 10[us]
X90_spin = 1[us]
Irr90_spin = 38[us]



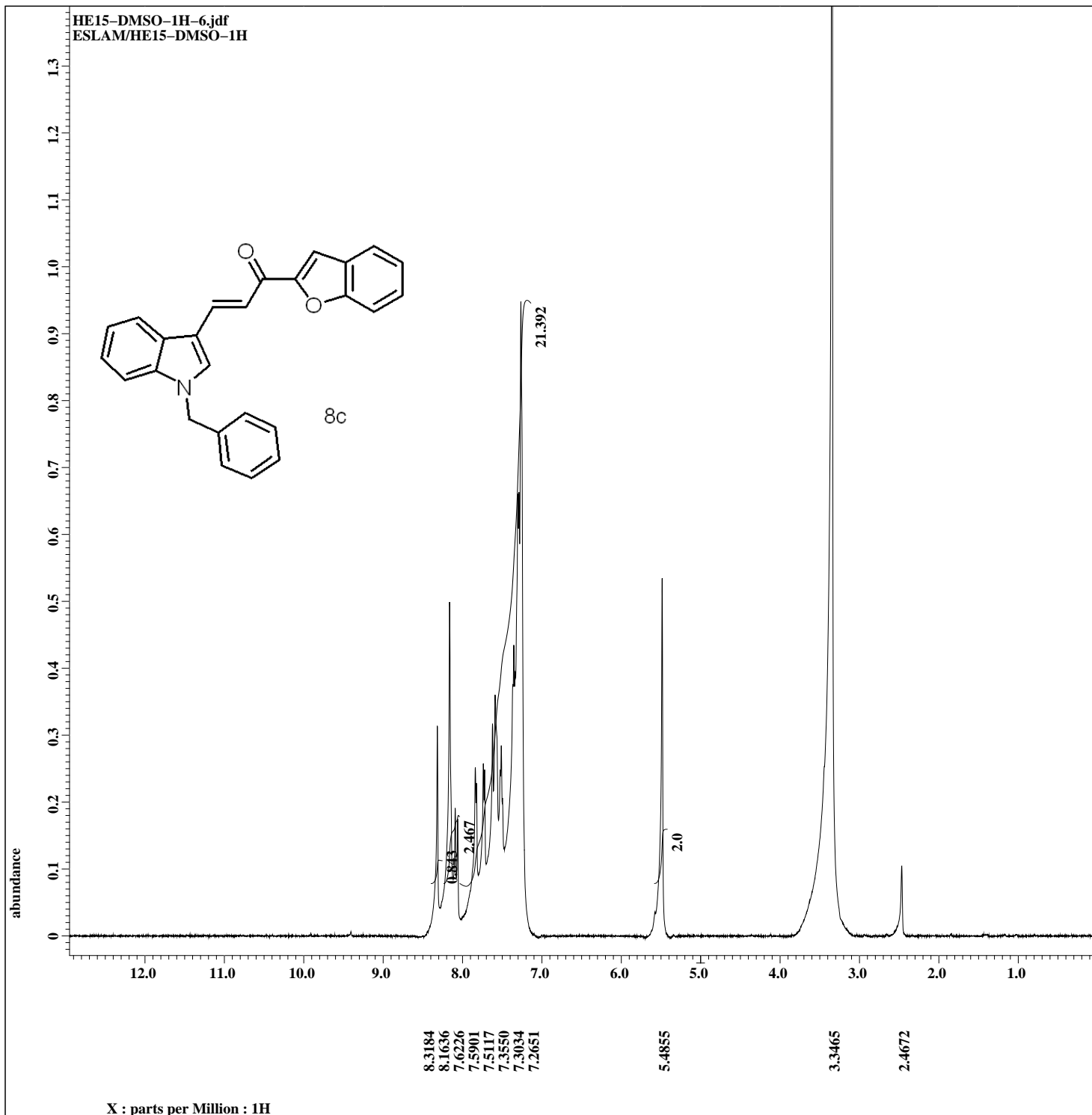
```

Author          = delta3
Content         = DESLAM/34-DMSO-1
Creation_time   = 16-DEC-2020 18:5
Current_time    = 9-JUN-2021 11:2
Data_format     = 1D REAL
Dim_size        = 13107
Dim_title       = 1H
Dim_units       = [ppm]
Dimensions      = X
Filename        = 34-DMSO-1H-5.jdf
Machine         = scc
Revision_time   = 9-JUN-2021 11:2
Sample_id       = DESLAM/34-DMSO-1
Site            = ECA500 (Datum BL
Spectrometer    = DELTA2_NMR
Scans           = 16
Mod_return      = 1
Total_scans     = 16
X_points        = 16384
X_prescans      = 1
X_domain        = 1H
X_offset        = 5.0[ppm]
X_freq          = 500.15991521[MHz]
X_sweep         = 15.6641604[kHz]
X_resolution    = 0.95606448[Hz]
Irr_domain      = 1H
Irr_offset      = 5.0[ppm]
Irr_freq        = 500.15991521[MHz]
Tri_domain      = 1H
Tri_offset      = 5.0[ppm]
Tri_freq        = 500.15991521[MHz]
X_acq_duration  = 1.04595456[s]
Digital_filter  = TRUE
Filter_factor   = 8
Af_version      = 1
Delay_of_start  = 1.99999974[s]
Actual_start_time = 16-DEC-2020 18:5
Acq_delay       = 7.94[us]
Digital_filter_status = 2P
Clipped         = FALSE
Dc_balanced     = FALSE
X90             = 12[us]
Irr90           = 12[us]
Tri90           = 10[us]
Qua90           = 10[us]
Qui90           = 10[us]
Sex90           = 10[us]
Sep90           = 10[us]
Oct90           = 10[us]
Non90           = 10[us]
Dec90           = 10[us]
X90_hi          = 92[us]
Irr90_hi        = 92[us]
Tri90_hi        = 10[us]
Qua90_hi        = 10[us]
Qui90_hi        = 10[us]
Sex90_hi        = 10[us]
Sep90_hi        = 10[us]
Oct90_hi        = 10[us]
Non90_hi        = 10[us]
Dec90_hi        = 10[us]
X90_lo          = 92[us]
Irr90_lo        = 92[us]
Tri90_lo        = 10[us]
Qua90_lo        = 10[us]
Qui90_lo        = 10[us]
Sex90_lo        = 10[us]
Sep90_lo        = 10[us]
Oct90_lo        = 10[us]
Non90_lo        = 10[us]

```



Author = delta3
Content = ESLAM/HE15-DMSO-
Creation_time = 8-JUN-2021 18:2
Current_time = 8-JUN-2021 11:1
Data_format = 1D REAL
Dim_size = 13107
Dim_title = 1H
Dim_units = [ppm]
Dimensions = X
Filename = HE15-DMSO-1H-6.j
Machine = scc
Revision_time = 8-JUN-2021 11:1
Sample_id = ESLAM/HE15-DMSO-
Site = ECA500 (Datum BL
Spectrometer = DELTA2_NMR
Scans = 16
Mod_return = 1
Total_scans = 16
X_points = 16384
X_prescans = 1
X_domain = 1H
X_offset = 5.0[ppm]
X_freq = 500.15991521[MHz]
X_sweep = 15.6641604[kHz]
X_resolution = 0.95606448[Hz]
Irr_domain = 1H
Irr_offset = 5.0[ppm]
Irr_freq = 500.15991521[MHz]
Tri_domain = 1H
Tri_offset = 5.0[ppm]
Tri_freq = 500.15991521[MHz]
X_acq_duration = 1.04595456[s]
Digital_filter = TRUE
Filter_factor = 8
Af_version = 1
Delay_of_start = 1.99999974[s]
Actual_start_time = 8-JUN-2021 18:1
Acq_delay = 7.94[us]
Digital_filter_status = 2P
Clipped = FALSE
Dc_balanced = FALSE
X90 = 12[us]
Irr90 = 12[us]
Tri90 = 10[us]
Qua90 = 10[us]
Qui90 = 10[us]
Sex90 = 10[us]
Sep90 = 10[us]
Oct90 = 10[us]
Non90 = 10[us]
Dec90 = 10[us]
X90_hi = 92[us]
Irr90_hi = 92[us]
Tri90_hi = 10[us]
Qua90_hi = 10[us]
Qui90_hi = 10[us]
Sex90_hi = 10[us]
Sep90_hi = 10[us]
Oct90_hi = 10[us]
Non90_hi = 10[us]
Dec90_hi = 10[us]
X90_lo = 92[us]
Irr90_lo = 92[us]
Tri90_lo = 10[us]
Qua90_lo = 10[us]
Qui90_lo = 10[us]
Sex90_lo = 10[us]
Sep90_lo = 10[us]
Oct90_lo = 10[us]
Non90_lo = 10[us]



X :
1H

