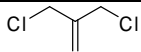
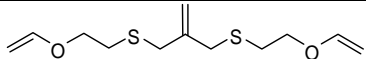
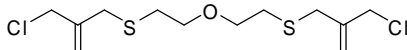
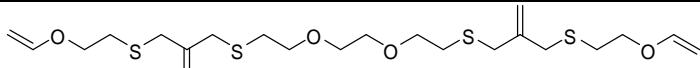
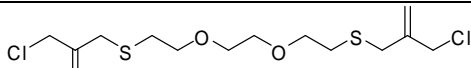
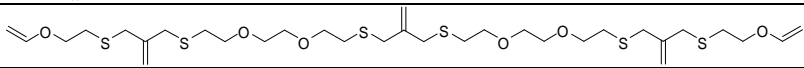
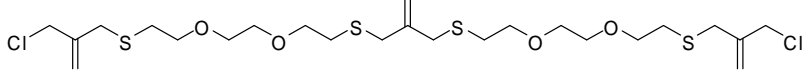
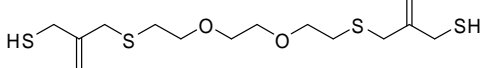
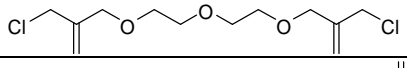
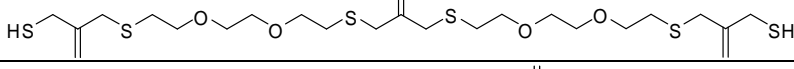
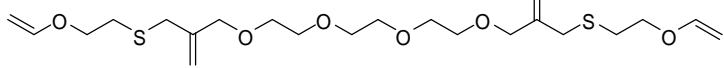
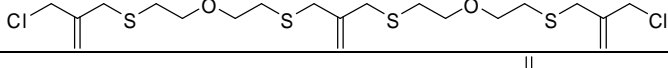
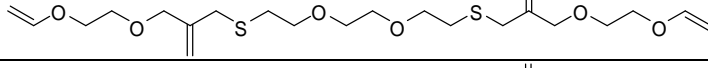
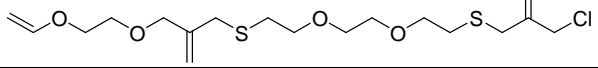
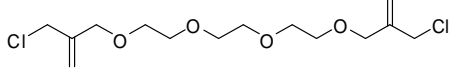
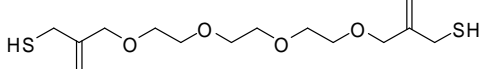
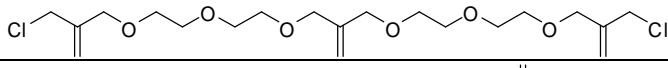
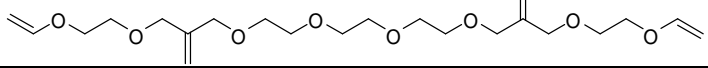
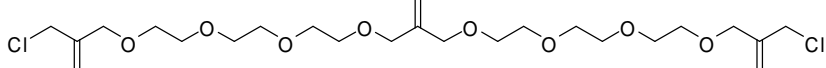


Supplementary Material

**Synthesis of symmetrical, substituted (alkane- α,ω -diyl)(bis[3,3'-allyl dithioethers])
monomers for photoplastic polymer networks**

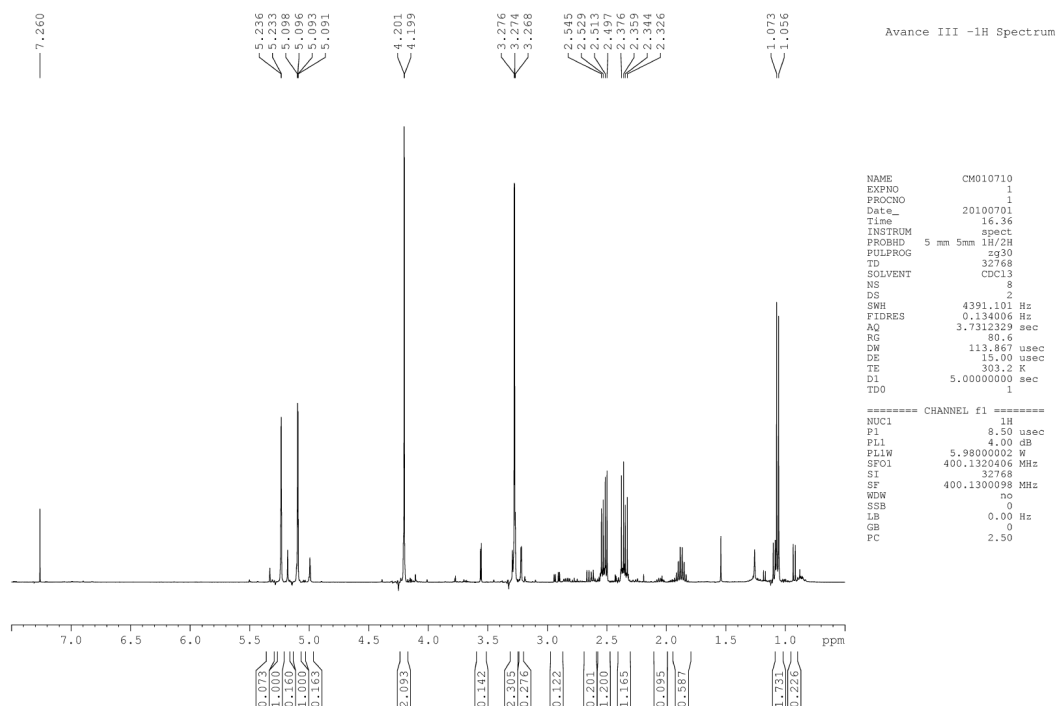
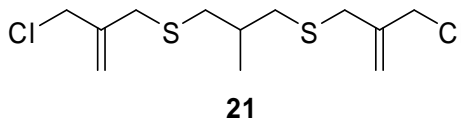
Authors: Cornelis M. Moorhoff, Wayne D. Cook, Tara Schiller, Carl Braybrook and San H. Thang.

Table 1 R_f values

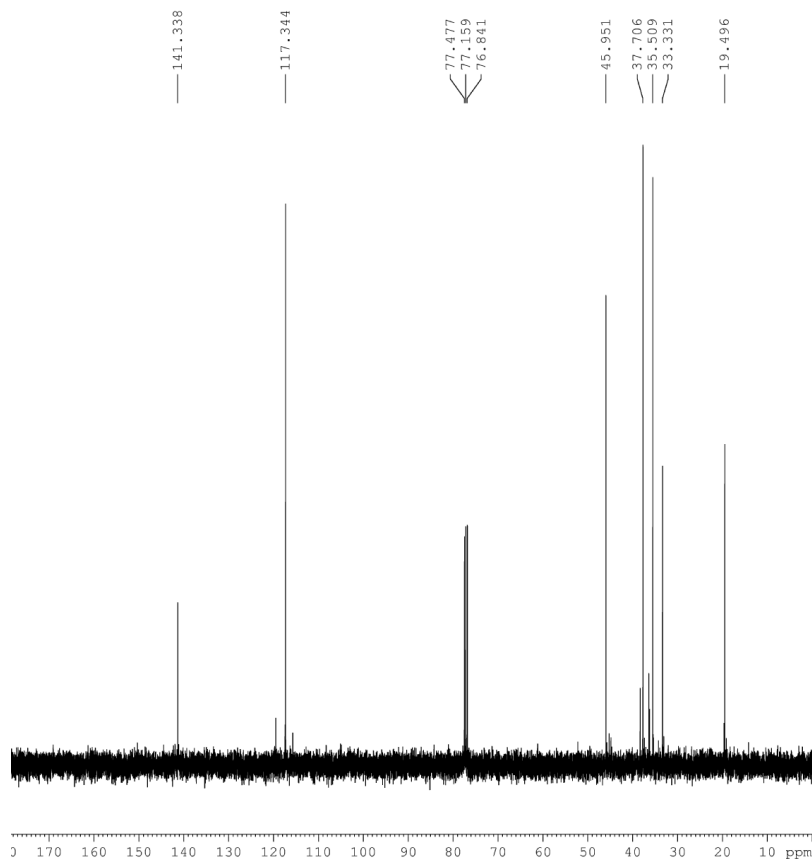
Compound	Structure	1:1 EtOAc: hexanes	100% EtOAc:
3		0.7	
7		0.68	
Ref 1		0.66	
14d		0.63	
28		0.62	
37		0.61	
34		0.59	
33		0.54	
23		0.54	
36		0.52	
14c		0.52	0.69
Ref 1		0.50	
14b		0.49	0.67
29		0.45	
26		0.36	0.54
31		0.36	
24		0.27	
14a		0.14	0.48
27		0.13	0.32

Copies of the ^1H NMR and ^{13}C NMR spectra for all key intermediates and final products.

(2-methylpropane-1,3-diyl)bis([2-{chloromethyl}allyl]sulfane) **21**:



Note: impurity of inseparable byproducts



DRX 400

```

NAME          CM010710
EXPNO         2
PROCNO        1
Date_         20100701
Time          16.52
INSTRUM       spect
PROBHD        5 mm 5mm 1H/2H
PULPROG       zgdc
TD            65536
SOLVENT       CDCl3
NS            63
DS            0
SWH           25000.000 Hz
FIDRES        0.381470 Hz
AQ            1.3107700 sec
RG            2050
DW            20.000 usec
DE            15.00 usec
TE            303.2 K
D1            4.00000000 sec
D11           0.03000000 sec
TD0           1
  
```

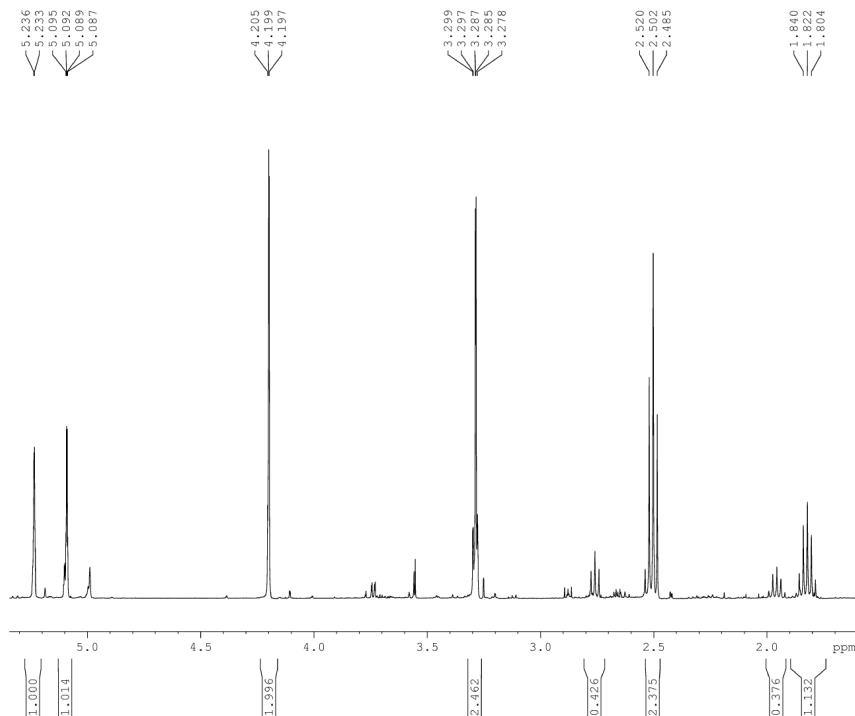
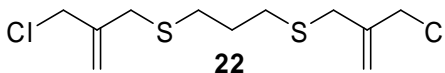
```

===== CHANNEL f1 =====
NUC1          13C
P1            12.20 usec
PL1           0.00 dB
PL1W          95.45168304 W
SFO1          100.6230043 MHz
  
```

```

===== CHANNEL f2 =====
CPDPRG2       waltz16
NUC2          1H
PCPD2         100.00 usec
PL2           2.00 dB
PL12          23.16 dB
PL2W          9.47766113 W
PL12W         0.07256065 W
SFO2          400.1320000 MHz
SI            65536
SF            100.6127555 MHz
WDW           EM
SSB           0
LB            0.50 Hz
GB            0
PC            4.00
  
```

1,3-bis(2-(chloromethyl)allylthio)propane 22:



Avance III -1H Spectrum

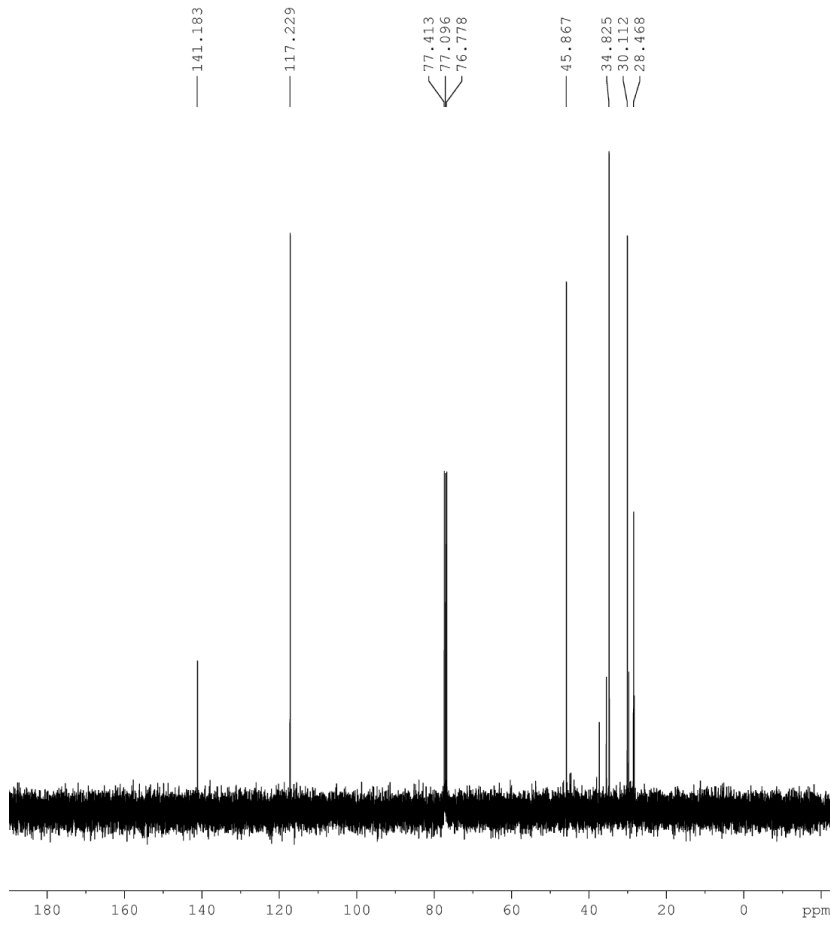
```

NAME          CM200410
EXPNO         1
PROCNO        1
Date_         20100420
Time          17.54
INSTRUM       spect
PROBHD        5 mm 5mm 1H/2H
PULPROG       zg30
TD            32768
SOLVENT       CDCl3
NS            8
DS            2
SWH           4391.101 Hz
FIDRES        0.134006 Hz
AQ            3.7312329 sec
RG            144
DW            113.867 usec
DE            15.00 usec
TE            303.2 K
D1            5.00000000 sec
TD0           1
  
```

```

===== CHANNEL f1 =====
NUC1          1H
P1            8.50 usec
PL1           4.00 dB
PL1W          5.98000002 W
SFO1          400.1320000 MHz
SI            32768
SF            400.1300098 MHz
WDW           no
SSB           0
LB            0.00 Hz
GB            0
PC            1.00
  
```

Note: impurity of higher, inseparable oligomer

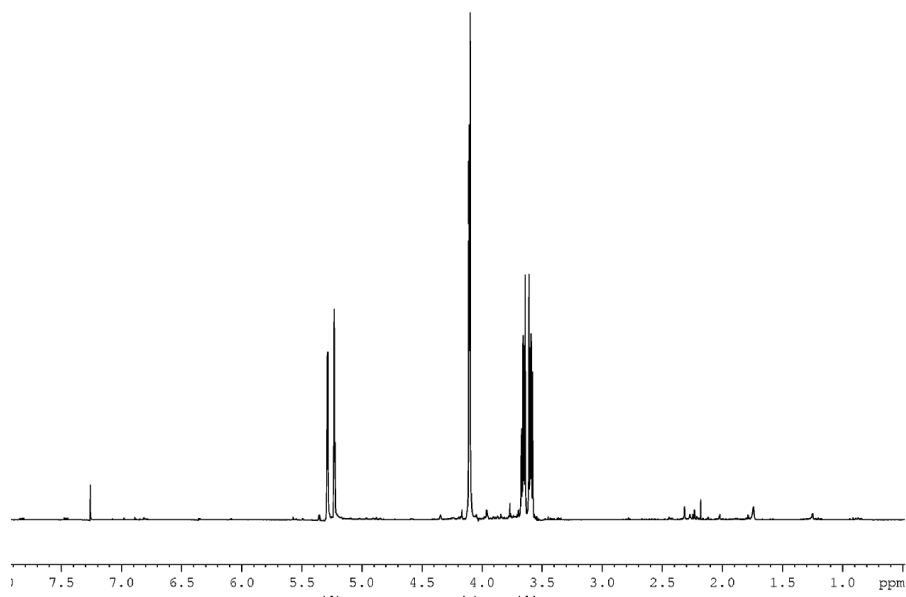
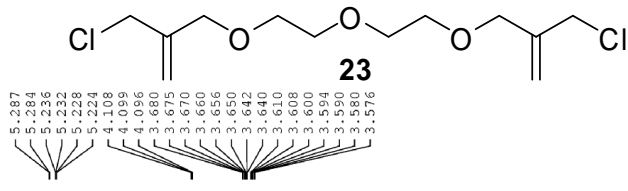


```
NAME          CM200410
EXPNO         2
PROCNO        1
Date_         20100420
Time          18.09
INSTRUM       spect
PROBHD        5 mm 5mm 1H/2H
PULPROG       zgdc
TD            65536
SOLVENT       CDCl3
NS            64
DS            0
SWH           25000.000 Hz
FIDRES        0.381470 Hz
AQ            1.3107700 sec
RG            2050
DW            20.000 usec
DE            15.00 usec
TE            303.2 K
D1            4.00000000 sec
D11           0.03000000 sec
TD0           1
```

```
===== CHANNEL f1 =====
NUC1          13C
P1            12.20 usec
PL1           0.00 dB
PL1W          95.45168304 W
SF01          100.6230043 MHz
```

```
===== CHANNEL f2 =====
CPDPRG2       waltz16
NUC2          1H
PCPD2         100.00 usec
PL2           2.00 dB
PL12          23.16 dB
PL2W          9.47766113 W
PL12W         0.07256065 W
SFO2          400.1320000 MHz
SI            65536
SF            100.6127623 MHz
WDW           EM
SSB           0
LB            0.50 Hz
GB            0
PC            1.00
```

2,12-bis(chloromethyl)-4,7,10-trioxatrideca-1,12-diene 23:



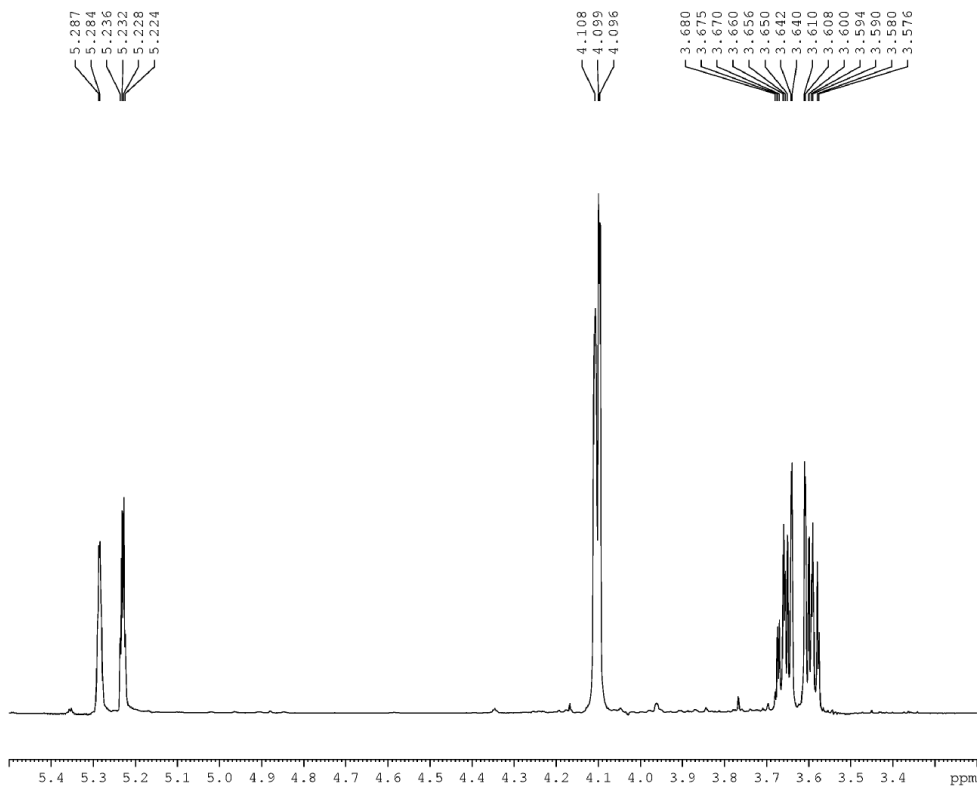
```

Current Data Parameters
NAME      cm171210
EXPNO    3
PROCNO   1

F2 - Acquisition Parameters
Date_    20101217
Time     16.20
INSTRUM spect
PROBHD   5 mm QNP 1H/13
PULPROG zg30
ID       32768
SOLVENT  CDCl3
NS       4
DS       1
SWH      8992.806 Hz
FIDRES   0.274439 Hz
AQ       1.8219508 sec
RG       143.7
DE       55.600 usec
DW       15.00 usec
TE       303.2 K
D1       2.00000000 sec
TD0      1

===== CHANNEL f1 =====
NUC1     1H
P1       9.50 usec
PL1      -2.00 dB
SFO1    300.1315757 MHz

F2 - Processing parameters
SI       32768
SF       300.1300061 MHz
WDW      no
SSB      0
LB       0.00 Hz
GB       0
PC       3.00
    
```



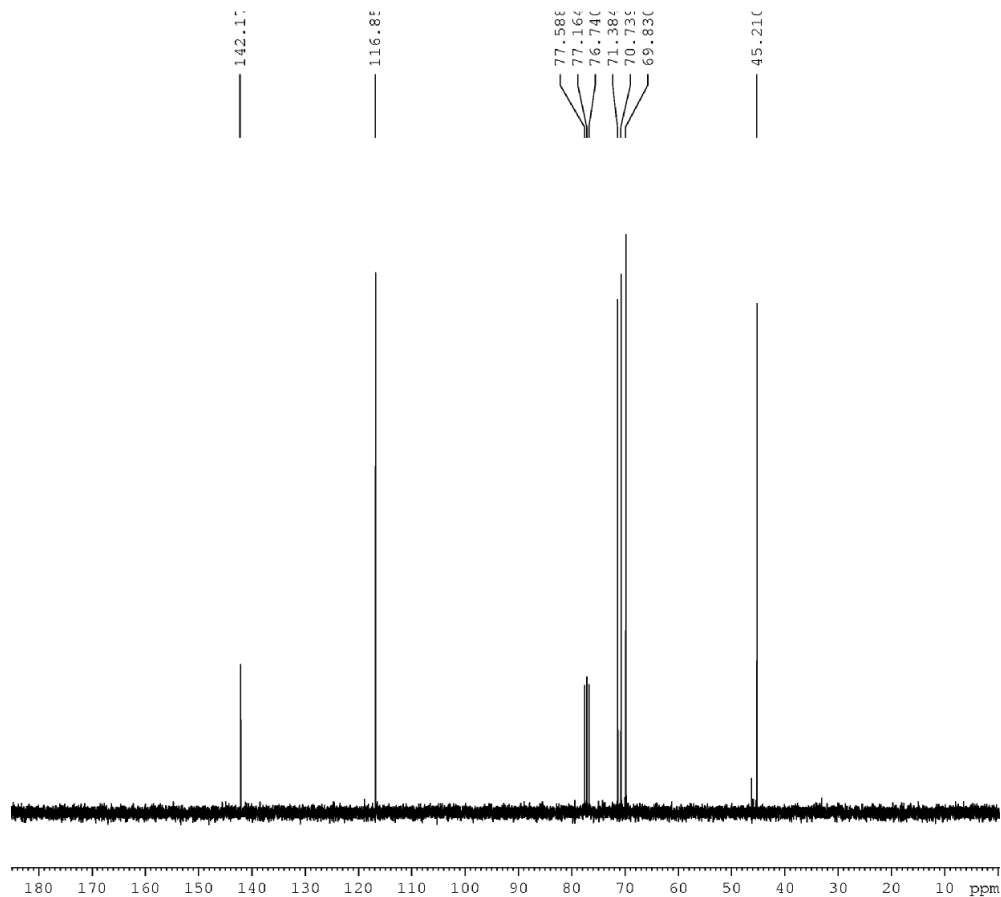
```

Current Data Parameters
NAME      cm171210
EXPNO    3
PROCNO   1

F2 - Acquisition Parameters
Date_    20101217
Time     16.20
INSTRUM spect
PROBHD   5 mm QNP 1H/13
PULPROG zg30
ID       32768
SOLVENT  CDCl3
NS       4
DS       1
SWH      8992.806 Hz
FIDRES   0.274439 Hz
AQ       1.8219508 sec
RG       143.7
DE       55.600 usec
DW       15.00 usec
TE       303.2 K
D1       2.00000000 sec
TD0      1

===== CHANNEL f1 =====
NUC1     1H
P1       9.50 usec
PL1      -2.00 dB
SFO1    300.1315757 MHz

F2 - Processing parameters
SI       32768
SF       300.1300061 MHz
WDW      no
SSB      0
LB       0.00 Hz
GB       0
PC       3.00
    
```



```

Current Data Parameters
NAME      cm171210
EXPNO    4
PROCNO   1

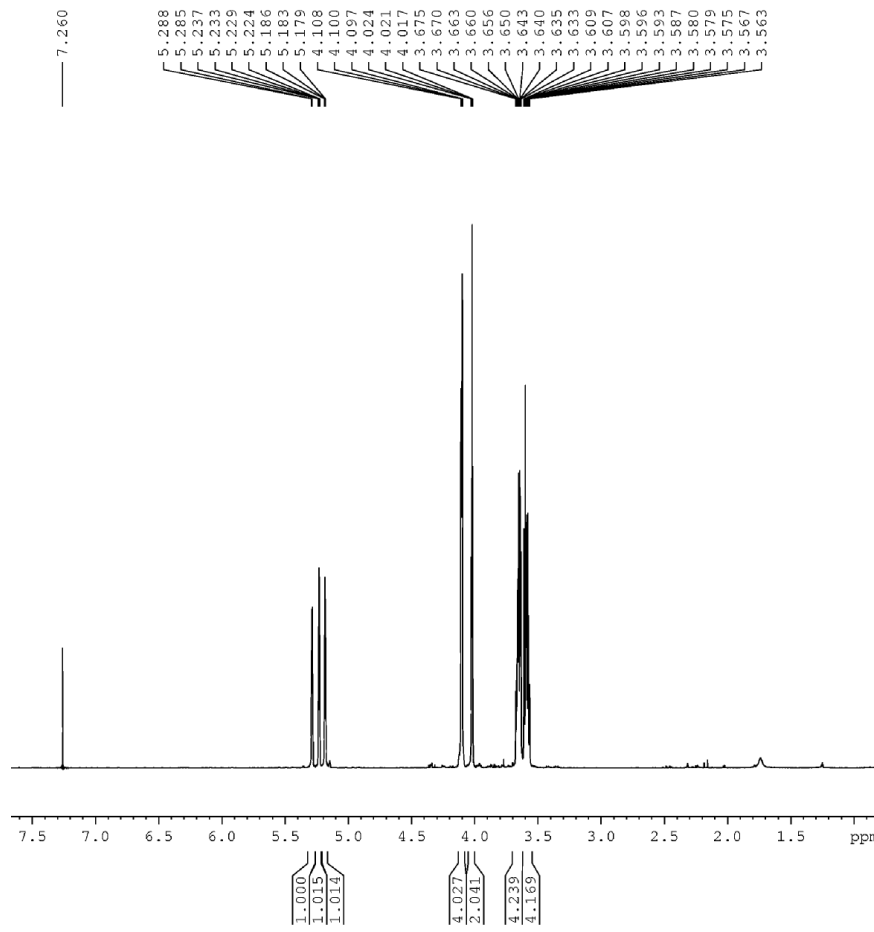
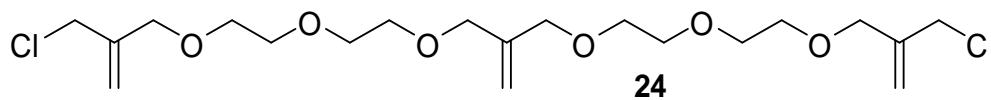
F2 - Acquisition Parameters
Date_    20101217
Time     16.32
INSTRUM spect
PROBHD   5 mm QNP 1H/13
PULPROG zg30
TD       32768
SOLVENT  DMSO
NS       37
DS       0
SWH      18382.354 Hz
FIDRES   0.560985 Hz
AQ       0.8913396 sec
RG       13004
DW       27.200 usec
DE       20.00 usec
TE       303.2 K
D1       4.0000000 sec
d11      0.0300000 sec
TD0      1

===== CHANNEL f1 =====
NUC1     13C
P1       8.50 usec
PL1      0.00 dB
SFO1     75.4760136 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2     1H
PCPD2    100.00 usec
PL2      -2.00 dB
PL12     15.00 dB
SFO2     300.1314000 MHz

F2 - Processing parameters
SI       32768
SF       75.4677398 MHz
WDW      EM
SSB      0
LB       0.50 Hz
GB       0
PC       3.00
  
```

2,2-bis(chloromethyl)-12-methylene-4,7,10,14,17,20-hexaoxatricos-1,22-diene 24:



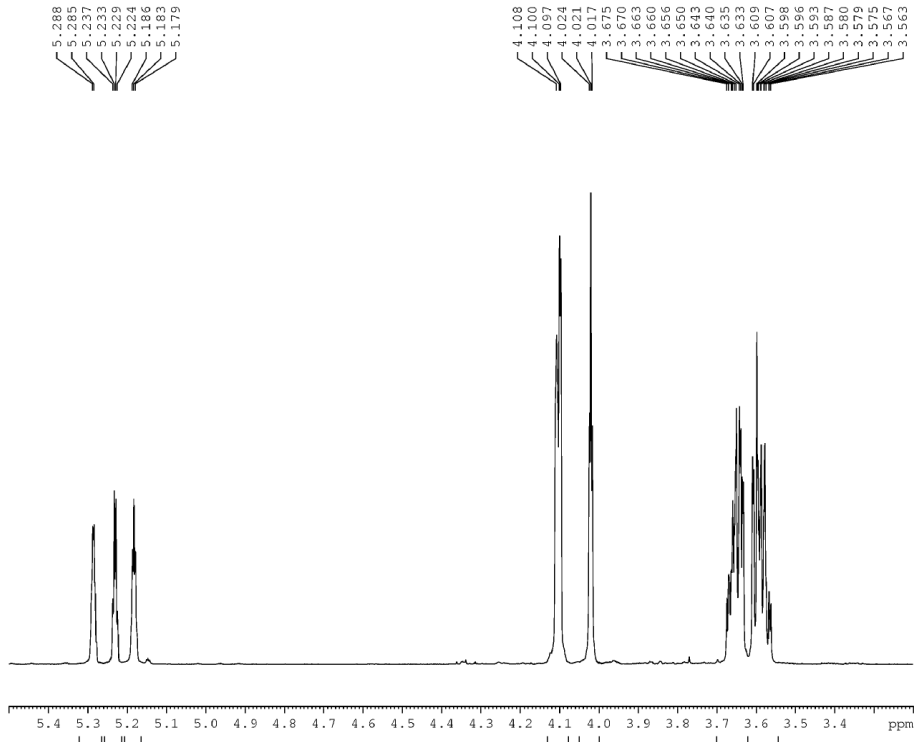
```

Current Data Parameters
NAME      cm221210
EXPNO    1
PROCNO   1

F2 - Acquisition Parameters
Date_    20101221
Time     11.19
INSTRUM spect
PROBHD   5 mm QNP 1H/13
PULPROG zg30
TD       32768
SOLVENT  CDCl3
NS       8
DS       2
SWH      8992.806 Hz
FIDRES   0.274439 Hz
AQ       1.8219508 sec
RG       228.1
DW       55.600 usec
DE       15.00 usec
TE       303.2 K
D1       2.0000000 sec
TD0      1

===== CHANNEL f1 =====
NUC1     1H
P1       9.50 usec
PL1      -2.00 dB
SFO1     300.1315757 MHz

F2 - Processing parameters
SI       32768
SF       300.1300062 MHz
WDW      no
SSB      0
LB       0.00 Hz
GB       0
PC       3.00
  
```



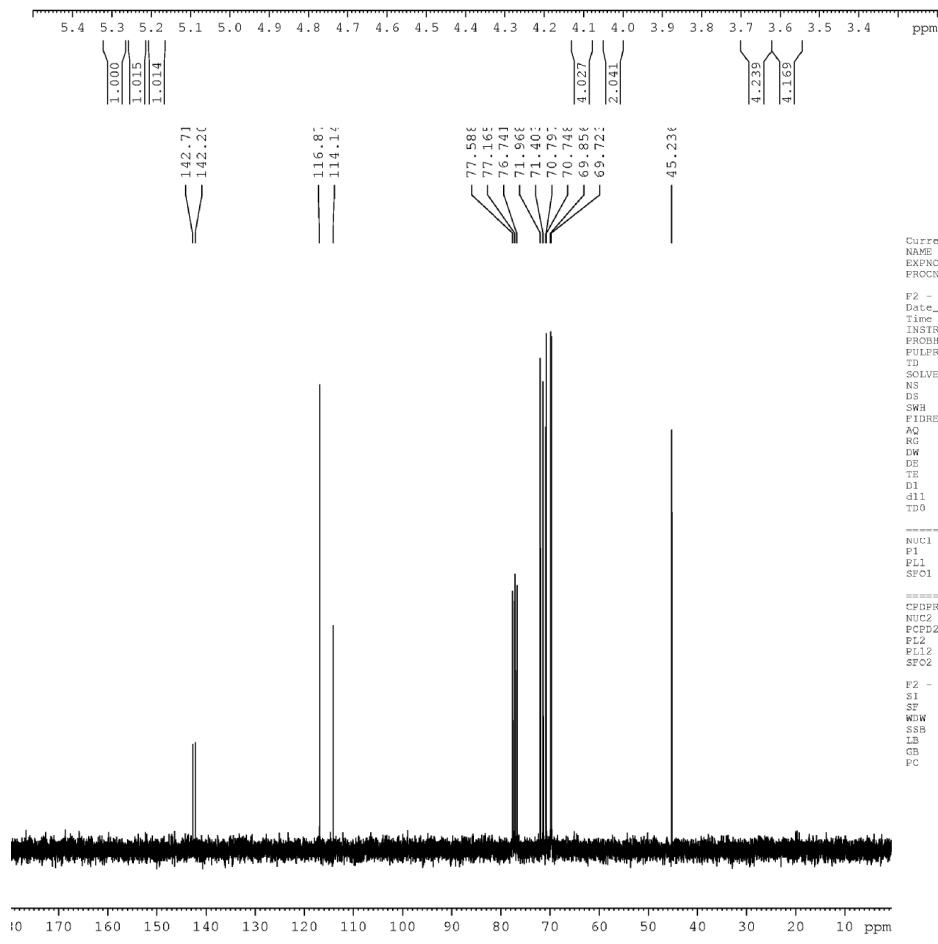
```

Current Data Parameters
NAME      cm21210
EXPNO    1
PROCNO    1

F2 - Acquisition Parameters
Date_    20101221
Time     11.19
INSTRUM  spect
PROBHD   5 mm QNP 1H/13
PULPROG  zg30
TD       32768
ID       32768
SOLVENT  CDCl3
NS       8
DS       2
SWH      8992.806 Hz
FIDRES   0.274439 Hz
AQ       1.8219508 sec
RG       228.1
DW       55.600 usec
DE       15.00 usec
TE       303.2 K
D1       2.00000000 sec
TD0      1

===== CHANNEL f1 =====
NUC1     13C
P1       9.50 usec
PL1      -2.00 dB
SFO1     300.1315757 MHz

F2 - Processing parameters
SI       32768
SF       300.1300062 MHz
WDW      no
SSB      0
LB       0.00 Hz
GB       0
PC       3.00
  
```



```

Current Data Parameters
NAME      cm21210
EXPNO    2
PROCNO    1

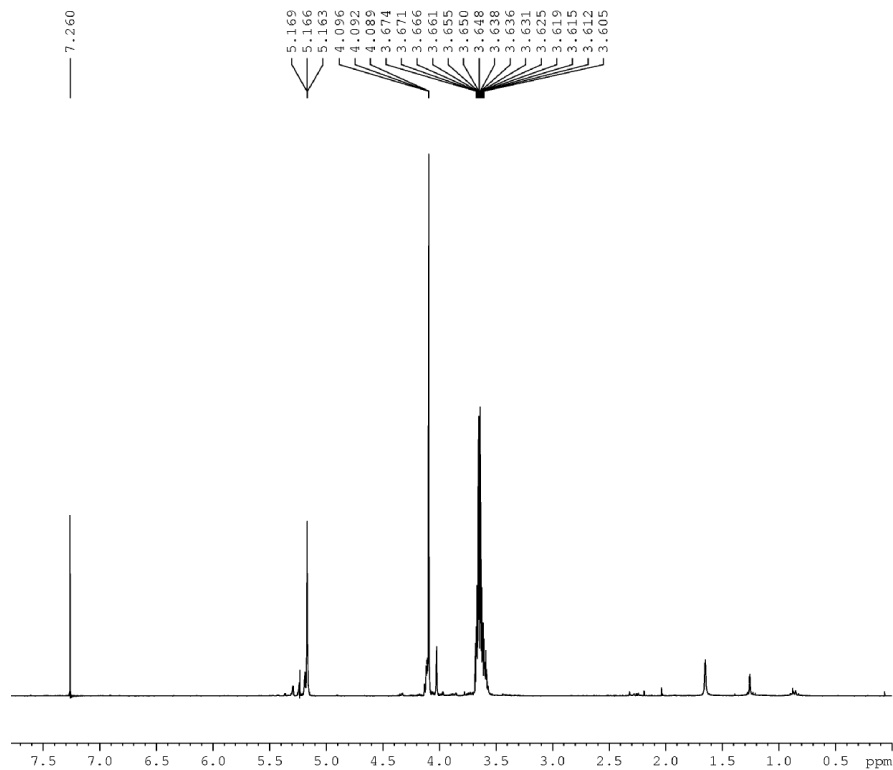
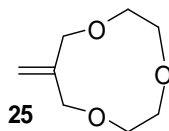
F2 - Acquisition Parameters
Date_    20101221
Time     11.30
INSTRUM  spect
PROBHD   5 mm QNP 1H/13
PULPROG  zg30
TD       32768
SOLVENT  DMSO
NS       64
DS       2
SWH      18382.354 Hz
FIDRES   0.560985 Hz
AQ       0.8913396 sec
RG       14596.5
DW       27.200 usec
DE       20.00 usec
TE       303.2 K
D1       4.00000000 sec
d11      0.03000000 sec
TD0      1

===== CHANNEL f1 =====
NUC1     13C
P1       8.50 usec
PL1      0.00 dB
SFO1     75.4760136 MHz

===== CHANNEL f2 =====
CPDPRG2  waltz16
NUC2     1H
PCPD2    100.00 usec
PL2      -2.00 dB
PL12     15.00 dB
SFO2     300.1314000 MHz

F2 - Processing parameters
SI       32768
SF       75.4677382 MHz
WDW      EM
SSB      0
LB       0.50 Hz
GB       0
PC       1.40
  
```

9-methylene-1,4,7-trioxadecane 25:



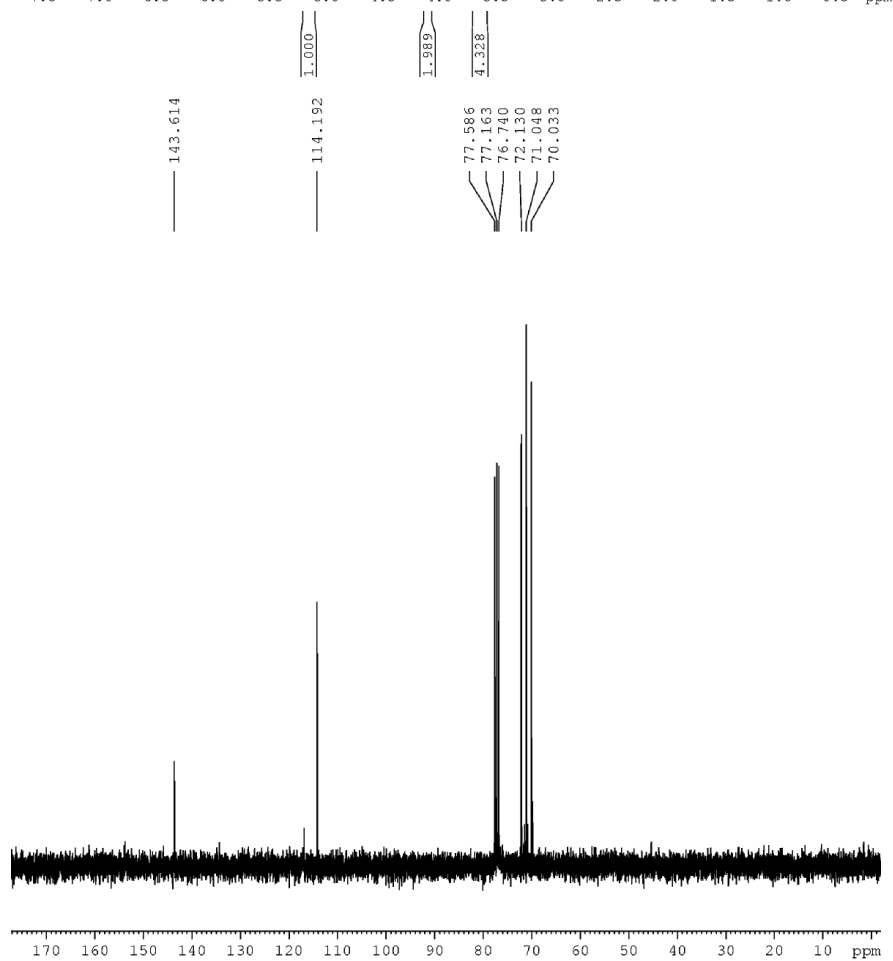
```

Current Data Parameters
NAME      cm2206010
EXPNO    3
PROCNO    1

F2 - Acquisition Parameters
Date_     20100622
Time      17.28
INSTRUM   spect
PROBHD    5 mm QNP 1H/13
PULPROG   zg30
TD         32768
SOLVENT   CDCl3
NS         8
DS         2
SWH        8992.806 Hz
FIDRES     0.274439 Hz
AQ         1.8219508 sec
RG         456.1
DW         55.600 usec
DE         15.00 usec
TE         303.2 K
D1         2.00000000 sec
TDO        1

----- CHANNEL f1 -----
NUC1       1H
P1         9.50 usec
PL1        -2.00 dB
SFO1       300.1315757 MHz

F2 - Processing parameters
SI         32768
SF         300.1300061 MHz
WDW        no
SSB        0
LB         0.00 Hz
GB         0
PC         6.00
    
```



```

Current Data Parameters
NAME      cm2206010
EXPNO    4
PROCNO    1

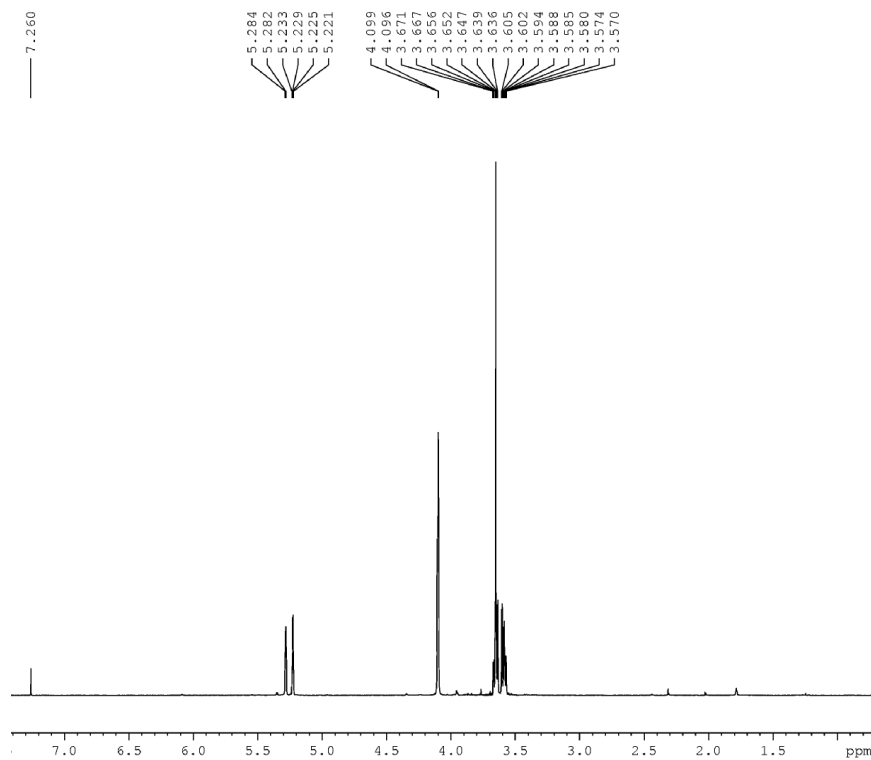
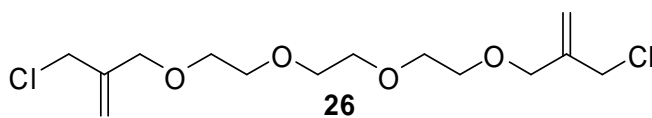
F2 - Acquisition Parameters
Date_     20100622
Time      17.41
INSTRUM   spect
PROBHD    5 mm QNP 1H/13
PULPROG   zgdc
TD         32768
SOLVENT   DMSO
NS         96
DS         0
SWH        18382.354 Hz
FIDRES     0.560985 Hz
AQ         0.8913396 sec
RG         16384
DW         27.200 usec
DE         20.00 usec
TE         303.2 K
D1         4.00000000 sec
d11        0.03000000 sec
TDO        1

===== CHANNEL f1 =====
NUC1       13C
P1         8.50 usec
PL1         0.00 dB
SFO1       75.4760136 MHz

===== CHANNEL f2 =====
CPDPRG2   waltz16
NUC2       1H
PCPD2     100.00 usec
PL2        -2.00 dB
PL12      15.00 dB
SFO2       300.1314000 MHz

F2 - Processing parameters
SI         32768
SF         75.4677368 MHz
WDW        EM
SSB        0
LB         0.50 Hz
GB         0
PC         2.50
    
```


2,15-bis(chloromethyl)-4,7,10,13-tetraoxahexadeca-1,15-diene 26:



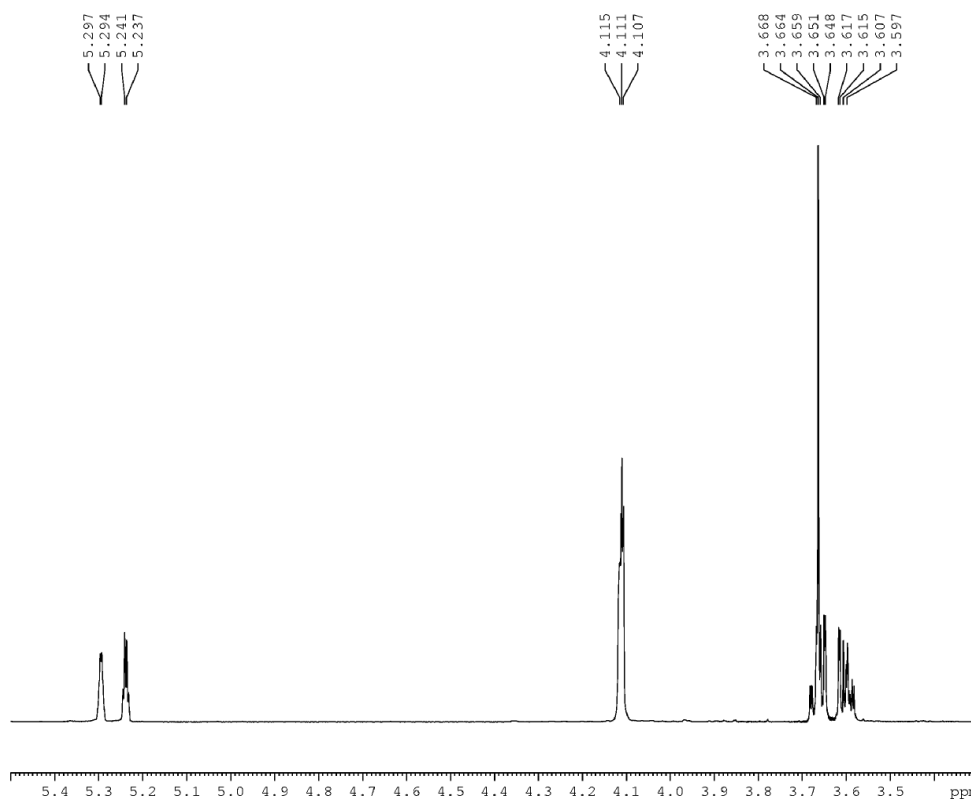
```

Current Data Parameters
NAME      cm310310.cm69
EXPNO    1
PROCNO   1

F2 - Acquisition Parameters
Date_    20100331
Time     10.33
INSTRUM  spect
PROBHD   5 mm QNP 1H/13
PULPROG  zg30
TD       32768
SOLVENT  CDCl3
NS       8
DS       2
SWH      8992.806 Hz
FIDRES   0.274439 Hz
AQ       1.8219508 sec
RG       181
DW       55.600 usec
DE       15.00 usec
TE       303.2 K
D1       2.0000000 sec
TD0      1

===== CHANNEL f1 =====
NUC1     1H
P1       9.50 usec
PL1      -2.00 db
SFO1     300.1315757 MHz

F2 - Processing parameters
SI       32768
SF       300.1300061 MHz
WDW      no
SSB      0
LB       0.00 Hz
GB       0
PC       1.00
    
```



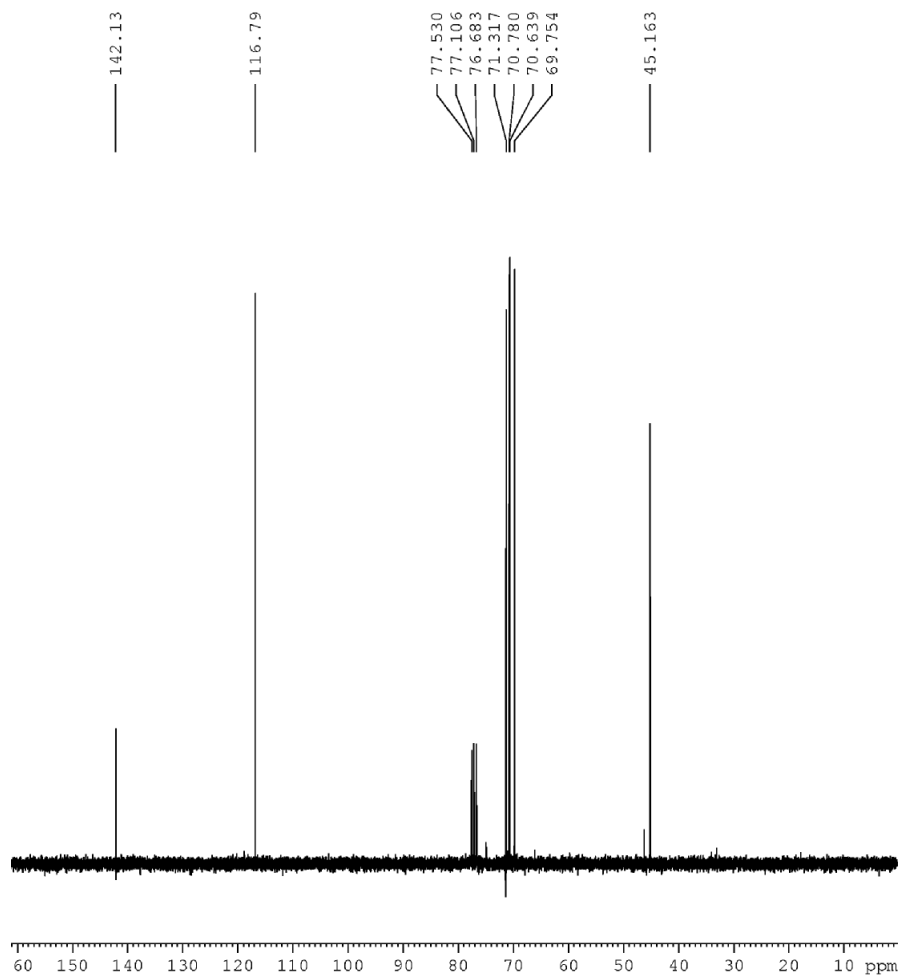
```

Current Data Parameters
NAME      cm2206010
EXPNO    2
PROCNO   1

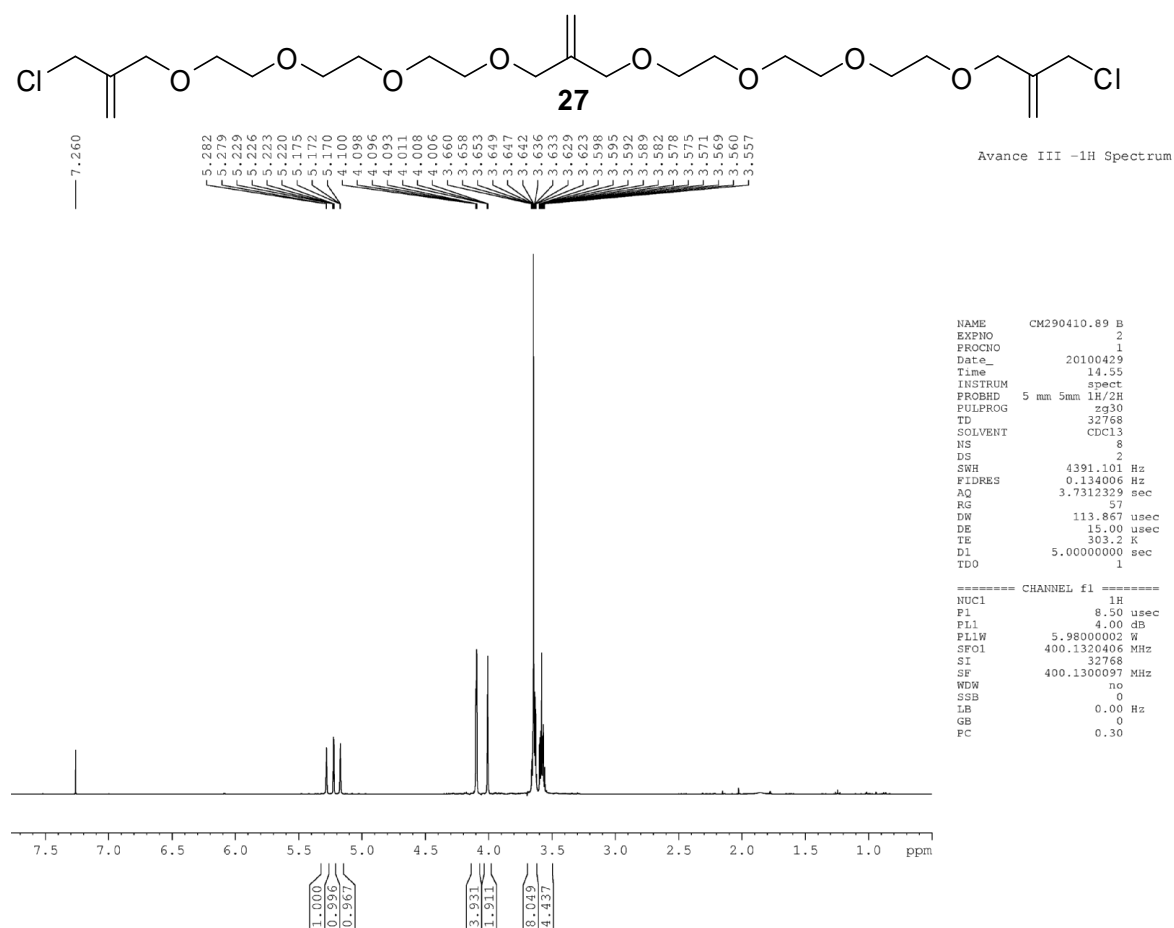
F2 - Acquisition Parameters
Date_    20100622
Time     17.03
INSTRUM  spect
PROBHD   5 mm QNP 1H/13
PULPROG  zg30
TD       32768
SOLVENT  CDCl3
NS       8
DS       2
SWH      8992.806 Hz
FIDRES   0.274439 Hz
AQ       1.8219508 sec
RG       574.7
DW       55.600 usec
DE       15.00 usec
TE       303.2 K
D1       2.0000000 sec
TD0      1

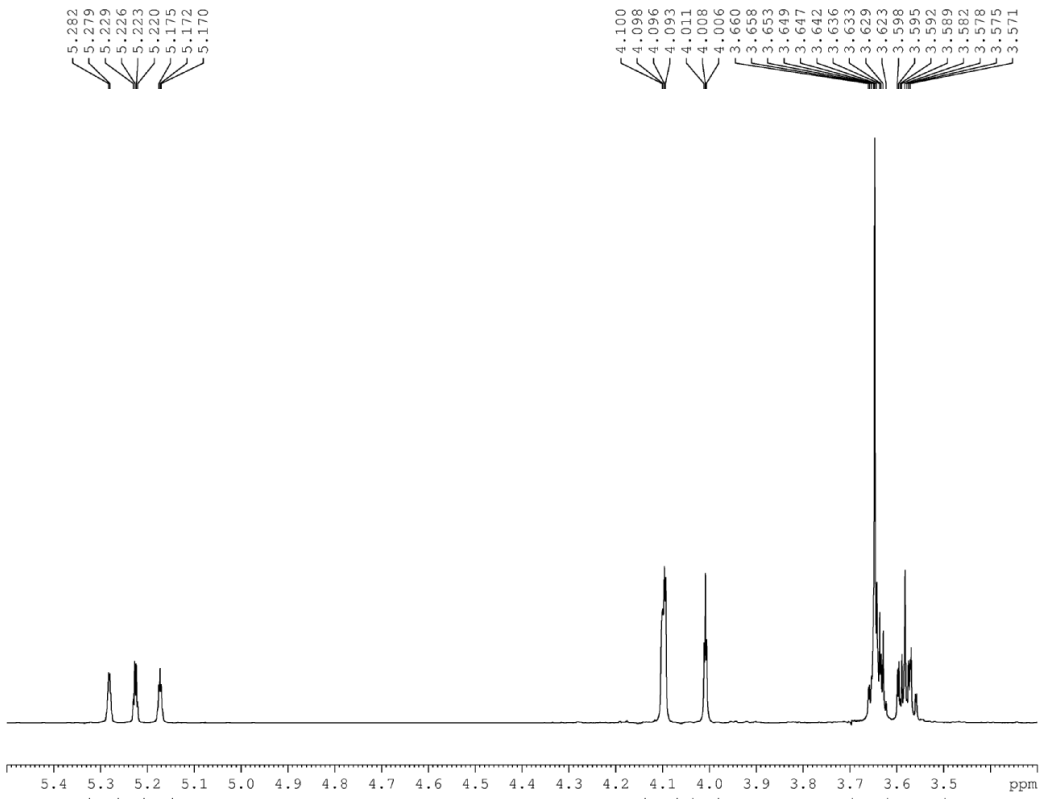
===== CHANNEL f1 =====
NUC1     1H
P1       9.50 usec
PL1      -2.00 db
SFO1     300.1315757 MHz

F2 - Processing parameters
SI       32768
SF       300.1300061 MHz
WDW      no
SSB      0
LB       0.00 Hz
GB       0
PC       6.00
    
```



2,28-bis(chloromethyl)-15-methylene-4,7,10,13,17,20,23,26-octaoxanonacosa-1,28-diene 27:





Avance III -1H Spectrum

```

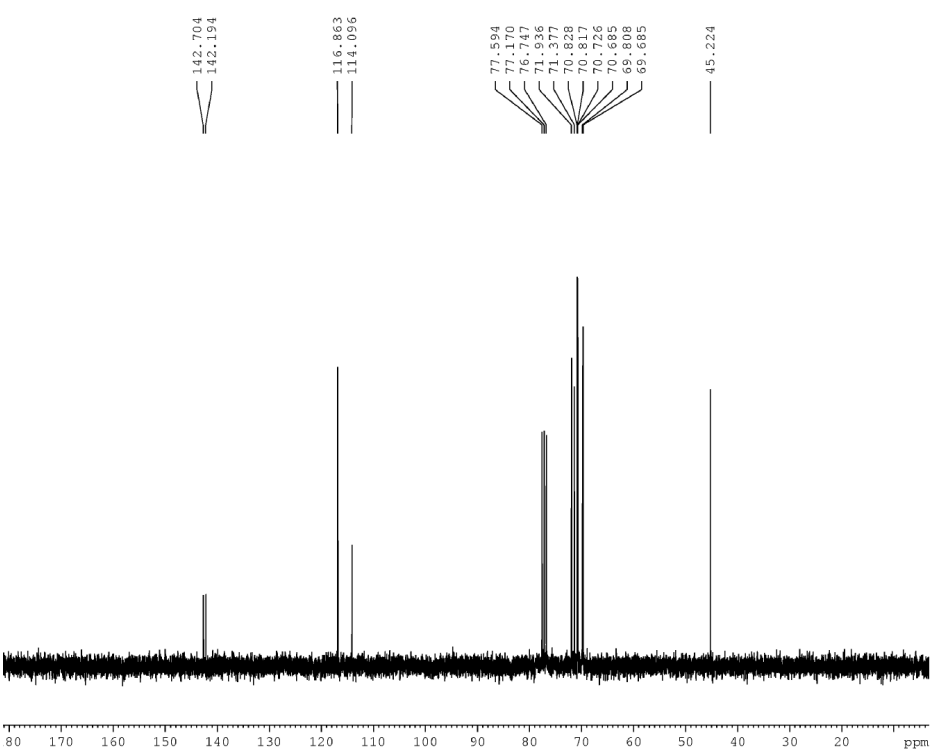
NAME      CM290410.89 B
EXPNO     2
PROCNO    1
Date_     20100429
Time      14.55
INSTRUM   spect
PROBHD    5 mm 5mm 1H/2H
PULPROG   zg30
TD         32768
SOLVENT   CDCl3
NS         8
DS         2
SWH       4391.101 Hz
FIDRES    0.134006 Hz
AQ         3.7312329 sec
RG         57
DW         113.867 usec
DE         15.00 usec
TE         303.2 K
D1         5.0000000 sec
D11        1
TD0        1

```

```

===== CHANNEL f1 =====
NUC1      1H
P1        8.50 usec
PL1       4.00 dB
PL1W      5.9800002 W
SF01      400.1320406 MHz
SI         32768
SF         400.1300097 MHz
WDW        no
SSB        0
LB         0.00 Hz
GB         0
PC         0.30

```

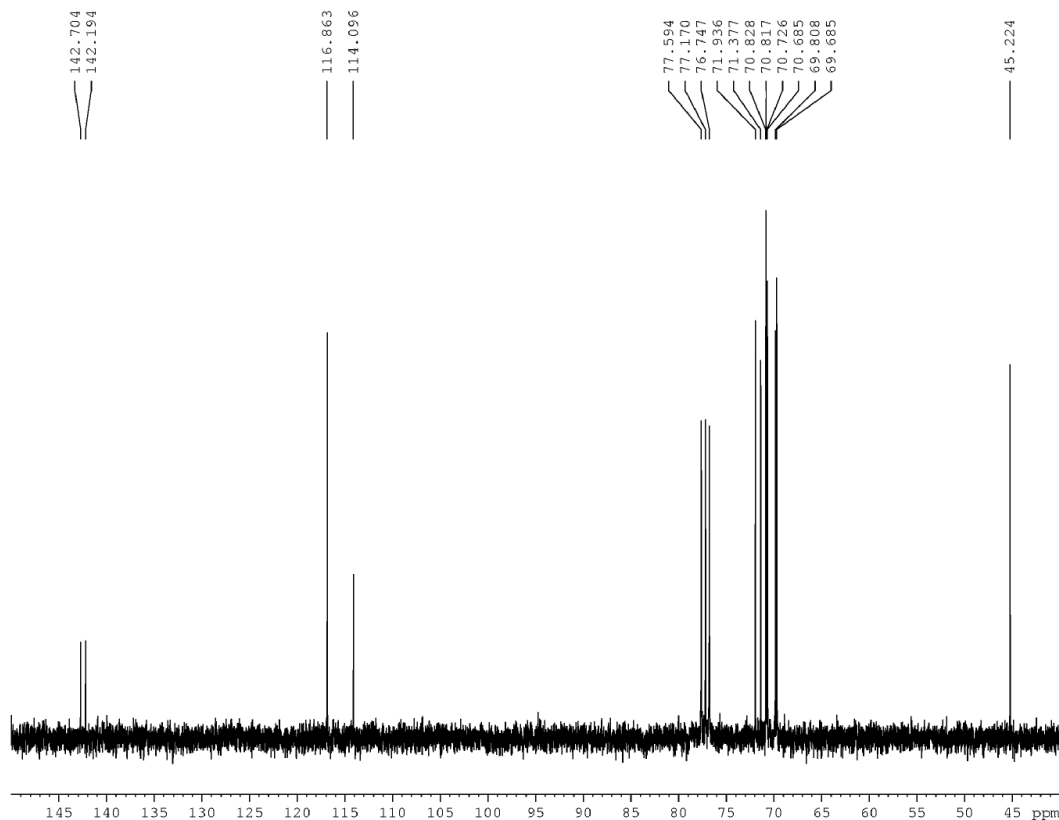


: 300 Monash Univ

```

Current Data Parameters
NAME      cm300410
EXPNO     1
PROCNO    1
F2 - Acquisition Parameters
Date_     20100430
Time      15.55
INSTRUM   spect
PROBHD    5 mm QNP 1H/13
PULPROG   zgpgc
TD         32768
SOLVENT   DMSO
NS         33
DS         0
SWH       18382.354 Hz
FIDRES    0.560985 Hz
AQ         0.8913396 sec
RG         20642.5
DW         27.220 usec
DE         20.00 usec
TE         303.2 K
D1         4.0000000 sec
d11        0.0300000 sec
TD0        1
===== CHANNEL f1 =====
NUC1      13C
P1        8.50 usec
PL1       0.00 dB
PL1W      75.4760136 MHz
SF01      101.6261250 MHz
===== CHANNEL f2 =====
CPDPRG2   waltz16
NUC2      1H
PCPD2     100.00 usec
PL2       2.00 dB
PL2W      15.00 dB
SF02      300.1314000 MHz
F2 - Processing parameters
SI         32768
SF         75.4671388 MHz
WDW        EM
SSB        0
LB         0.50 Hz
GB         0
PC         1.40

```



```

Current Data Parameters
NAME          cm300410
EXPNO         1
PROCNO        1

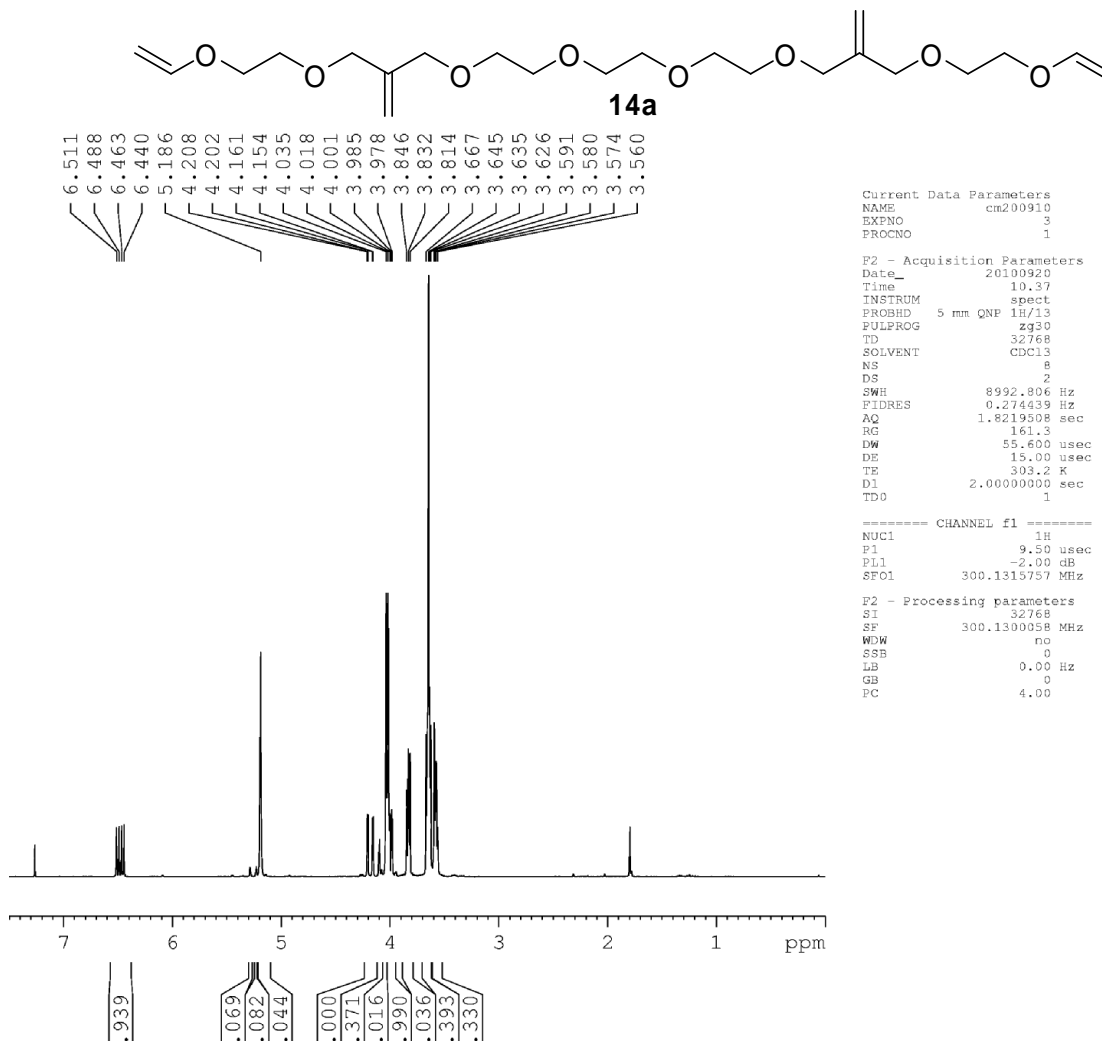
F2 - Acquisition Parameters
Date_         20100430
Time          15.55
INSTRUM       spect
PROBHD        5 mm QNP 1H/13
PULPROG       zgdc
TD            32768
SOLVENT       DMSO
NS            33
DS            0
SWH           18382.354 Hz
FIDRES        0.560985 Hz
AQ            0.8913396 sec
RG            20642.5
DW            21.200 usec
DE            20.00 usec
TE            303.2 K
D1            4.0000000 sec
d11           0.0300000 sec
TDO           1

===== CHANNEL f1 =====
NUC1          13C
P1            8.50 usec
PL1           0.00 dB
SFO1         75.4760136 MHz

===== CHANNEL f2 =====
CPDPRG2       waltz16
NUC2          1H
PCPD2         100.00 usec
PL2           -2.00 dB
PL12          15.00 dB
SFO2         300.1314000 MHz

F2 - Processing parameters
SI            32768
SF           75.4677388 MHz
WDW           EM
SSB           0
LB            0.50 Hz
GB            0
PC            1.40
    
```

8,21-Dimethylene-3,6,10,13,16,19,23,26-octaoxaoctacos-1,27-diene 14a:



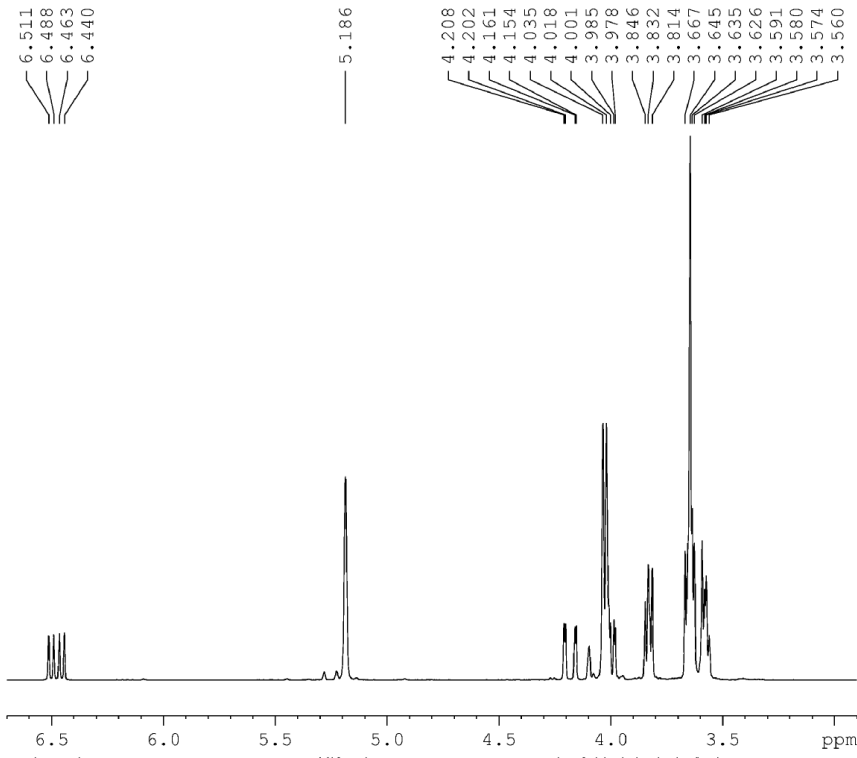
```

Current Data Parameters
NAME          cm200910
EXPNO         3
PROCNO        1

F2 - Acquisition Parameters
Date_         20100920
Time          10.37
INSTRUM       spect
PROBHD        5 mm QNP 1H/13
PULPROG       zg30
TD            32768
SOLVENT       CDCl3
NS            8
DS            2
SWH           8992.806 Hz
FIDRES        0.274439 Hz
AQ            1.8219508 sec
RG            161.3
DW            55.600 usec
DE            15.00 usec
TE            303.2 K
D1            2.0000000 sec
TDO           1

===== CHANNEL f1 =====
NUC1          1H
P1            9.50 usec
PL1           -2.00 dB
SFO1         300.1315757 MHz

F2 - Processing parameters
SI            32768
SF           300.1300058 MHz
WDW           no
SSB           0
LB            0.00 Hz
GB            0
PC            4.00
    
```



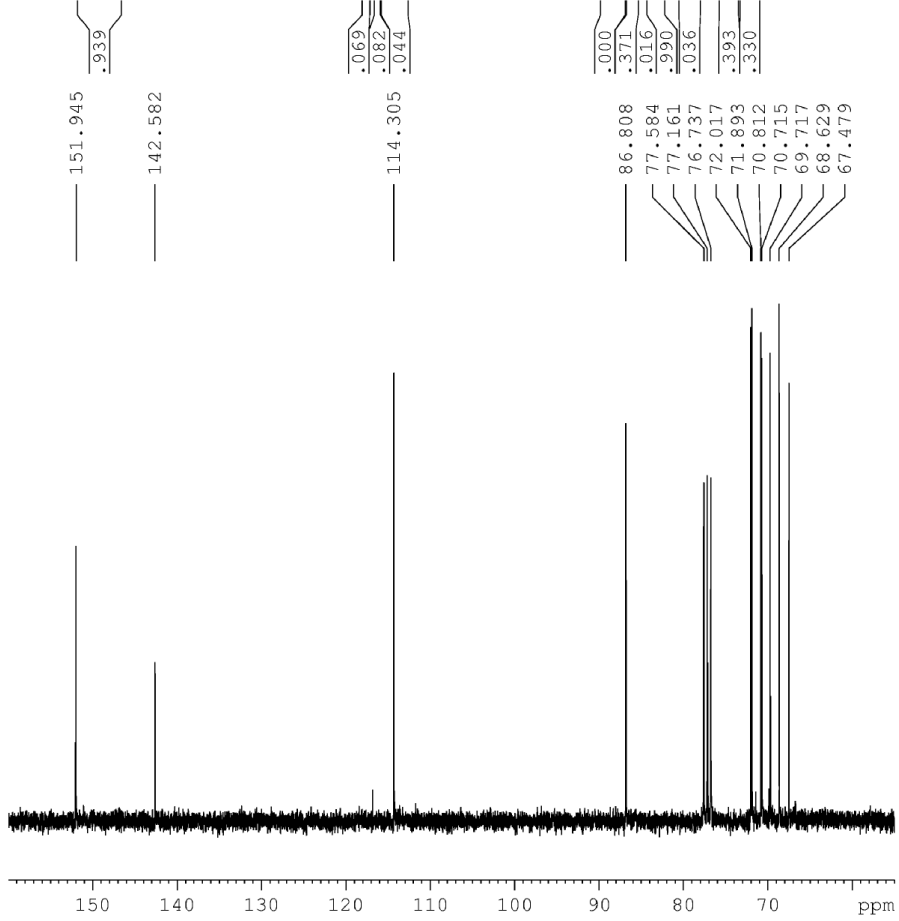
```

Current Data Parameters
NAME      cm200910
EXPNO    3
PROCNO   1

F2 - Acquisition Parameters
Date_    20100920
Time     10.37
INSTRUM spect
PROBHD   5 mm QNP 1H/13
PULPROG zg30
TD        32768
SOLVENT  CDCl3
NS        8
DS        2
SWH      8992.806 Hz
FIDRES   0.274439 Hz
AQ        1.8219508 sec
RG        161.3
DW        55.600 usec
DE        15.00 usec
TE        303.2 K
D1        2.00000000 sec
TD0       1

----- CHANNEL f1 -----
NUC1      1H
P1        9.50 usec
PL1       -2.00 dB
SFO1     300.1315757 MHz

F2 - Processing parameters
SI        32768
SF        300.1300058 MHz
WDW       no
SSB       0
LB        0.00 Hz
GB        0
PC        4.00
  
```



```

Current Data Parameters
NAME      cm200910
EXPNO    4
PROCNO   1

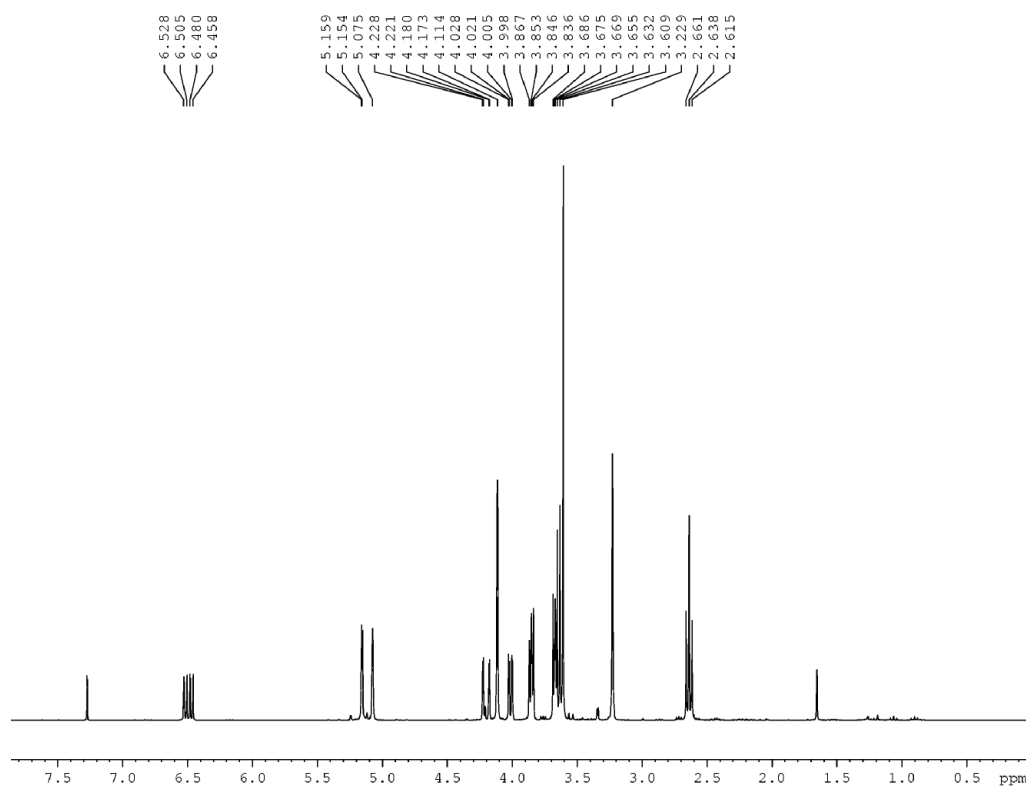
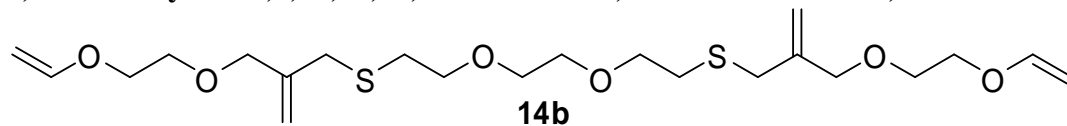
F2 - Acquisition Parameters
Date_    20100920
Time     10.47
INSTRUM spect
PROBHD   5 mm QNP 1H/13
PULPROG zgdc
TD        32768
SOLVENT  DMSO
NS        64
DS        0
SWH     18382.354 Hz
FIDRES   0.560985 Hz
AQ        0.8913396 sec
RG        16384
DW        27.200 usec
DE        20.00 usec
TE        303.2 K
D1        4.00000000 sec
d11       0.03000000 sec
TD0       1

----- CHANNEL f1 -----
NUC1      13C
P1        8.50 usec
PL1       0.00 dB
SFO1     75.4760136 MHz

===== CHANNEL f2 =====
CPDPRG2  waltz16
NUC2      1H
PCPD2    100.00 usec
PL2      -2.00 dB
PL12     15.00 dB
SFO2     300.1314000 MHz

F2 - Processing parameters
SI        32768
SF        75.4677388 MHz
WDW       EM
SSB       0
LB        0.50 Hz
GB        0
PC        4.00
  
```

8,21-dimethylene-3,6,13,16,23,26-hexaoxa-10,19-dithiaoctacos-1,27-diene 14b:



```

Current Data Parameters
NAME      cm200910
EXPNO    1
PROCNO   1

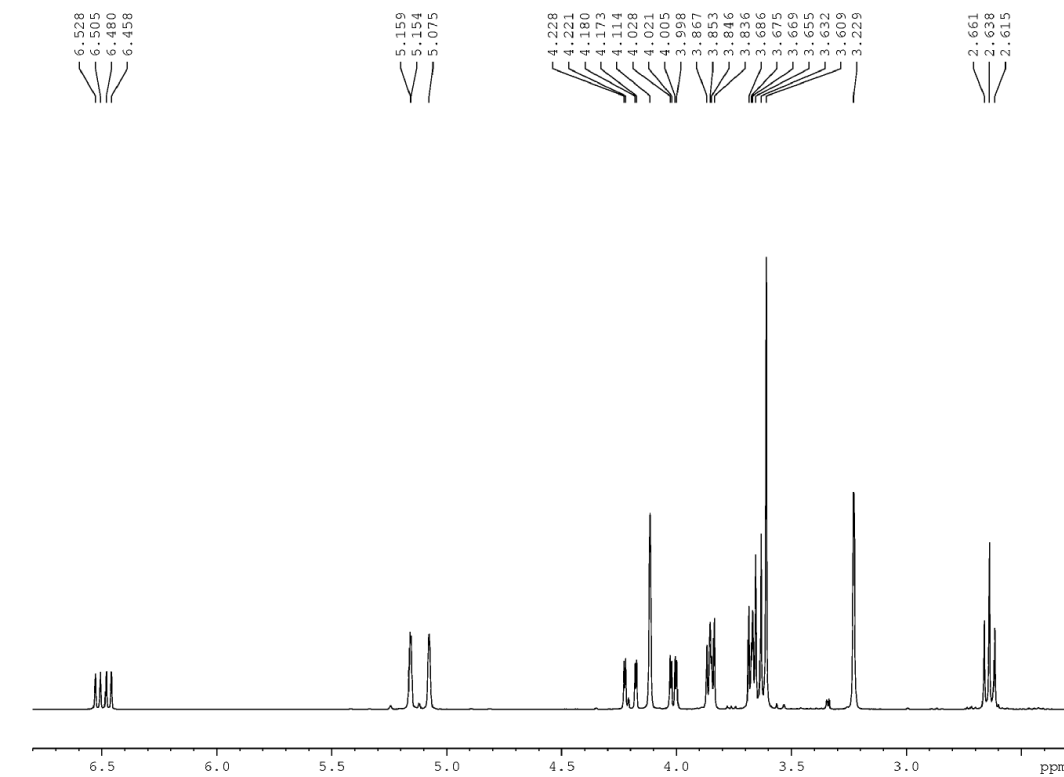
F2 - Acquisition Parameters
Date_    20100920
Time     10.07
INSTRUM spect
PROBHD   5 mm QNP 1H/13
PULPROG zg30
TD       32768
SOLVENT  CDCl3
NS       8
DS       2
SWH      8992.806 Hz
FIDRES   0.274439 Hz
AQ       1.8219508 sec
RG       181
DE       15.00 usec
TE       303.2 K
D1       2.0000000 sec
TD0      1
    
```

```

===== CHANNEL f1 =====
NUC1     1H
P1       9.50 usec
PL1     -2.00 dB
SFO1    300.1315757 MHz
    
```

```

F2 - Processing parameters
SI       32768
SF       300.1300021 MHz
WDW      no
SSB      0
LB       0.00 Hz
GB       0
PC       4.00
    
```



```

Current Data Parameters
NAME      cm200910
EXPNO    1
PROCNO   1

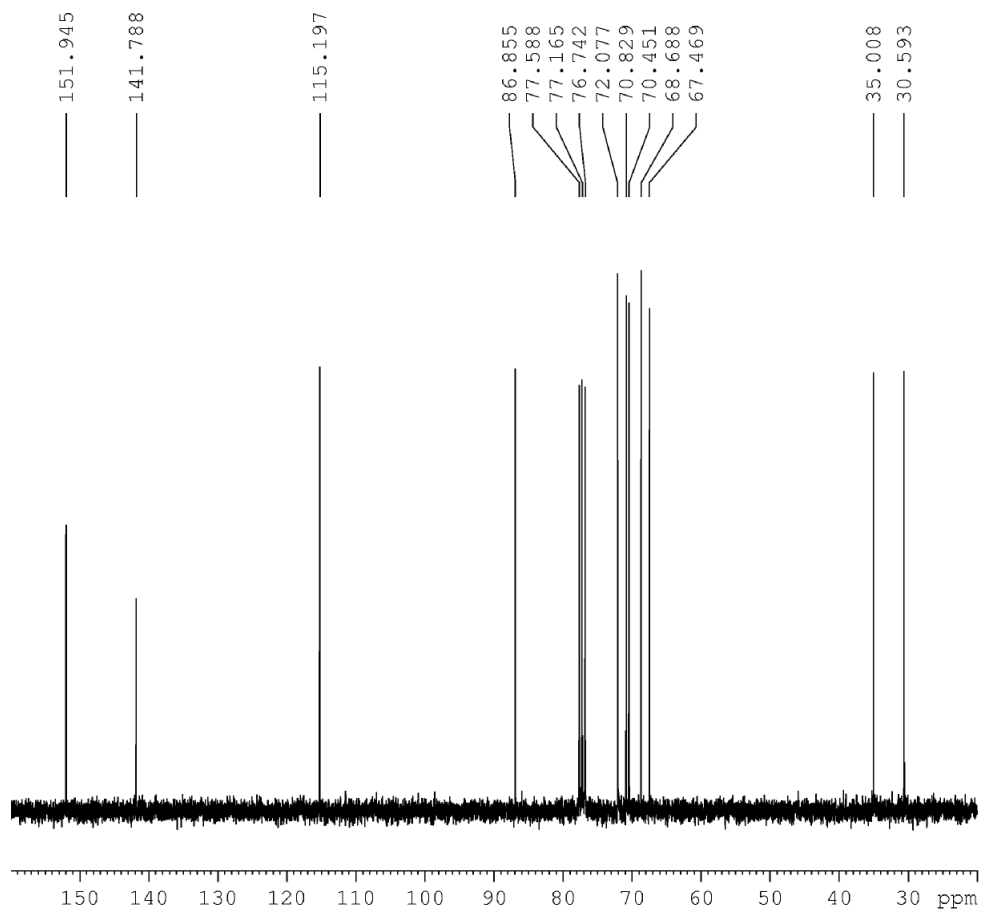
F2 - Acquisition Parameters
Date_    20100920
Time     10.07
INSTRUM spect
PROBHD   5 mm QNP 1H/13
PULPROG zg30
TD       32768
SOLVENT  CDCl3
NS       8
DS       2
SWH      8992.806 Hz
FIDRES   0.274439 Hz
AQ       1.8219508 sec
RG       181
DE       15.00 usec
TE       303.2 K
D1       2.0000000 sec
TD0      1
    
```

```

===== CHANNEL f1 =====
NUC1     1H
P1       9.50 usec
PL1     -2.00 dB
SFO1    300.1315757 MHz
    
```

```

F2 - Processing parameters
SI       32768
SF       300.1300021 MHz
WDW      no
SSB      0
LB       0.00 Hz
GB       0
PC       4.00
    
```



```

Current Data Parameters
NAME          cm200910
EXPNO         2
PROCNO        1

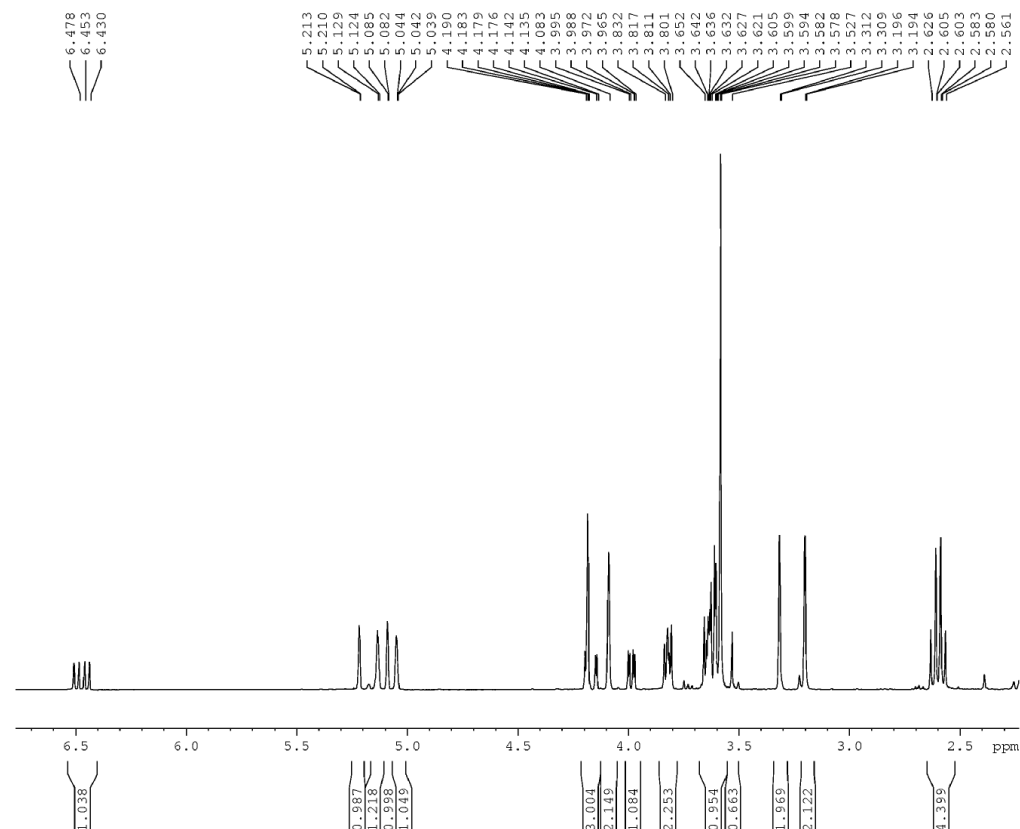
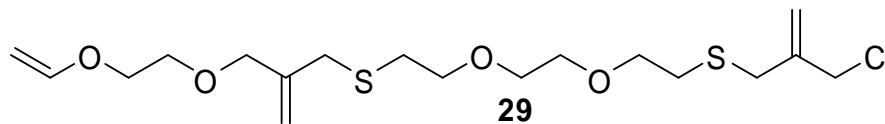
F2 - Acquisition Parameters
Date_         20100920
Time          10.20
INSTRUM       spect
PROBHD        5 mm QNP 1H/13
PULPROG       zgdc
TD            32768
SOLVENT       DMSO
NS            64
DS            0
SWH           18382.354 Hz
FIDRES        0.560985 Hz
AQ            0.8913396 sec
RG            14596.5
DW            27.200 usec
DE            20.00 usec
TE            303.2 K
D1            4.0000000 sec
d11           0.0300000 sec
TD0           1

===== CHANNEL f1 =====
NUC1          13C
P1            8.50 usec
PL1           0.00 dB
SFO1          75.4760136 MHz

===== CHANNEL f2 =====
CPDPRG2       waltz16
NUC2          1H
PCPD2         100.00 usec
PL2           -2.00 dB
PL12          15.00 dB
SFO2          300.1314000 MHz

F2 - Processing parameters
SI            32768
SF            75.4677383 MHz
WDW           EM
SSB           0
LB            0.50 Hz
GB            0
PC            3.00
  
```

21-(chloromethyl)-8-methylene-3,6,13,16-tetraoxa-10,19-dithiadocosa-1,21-diene 29:



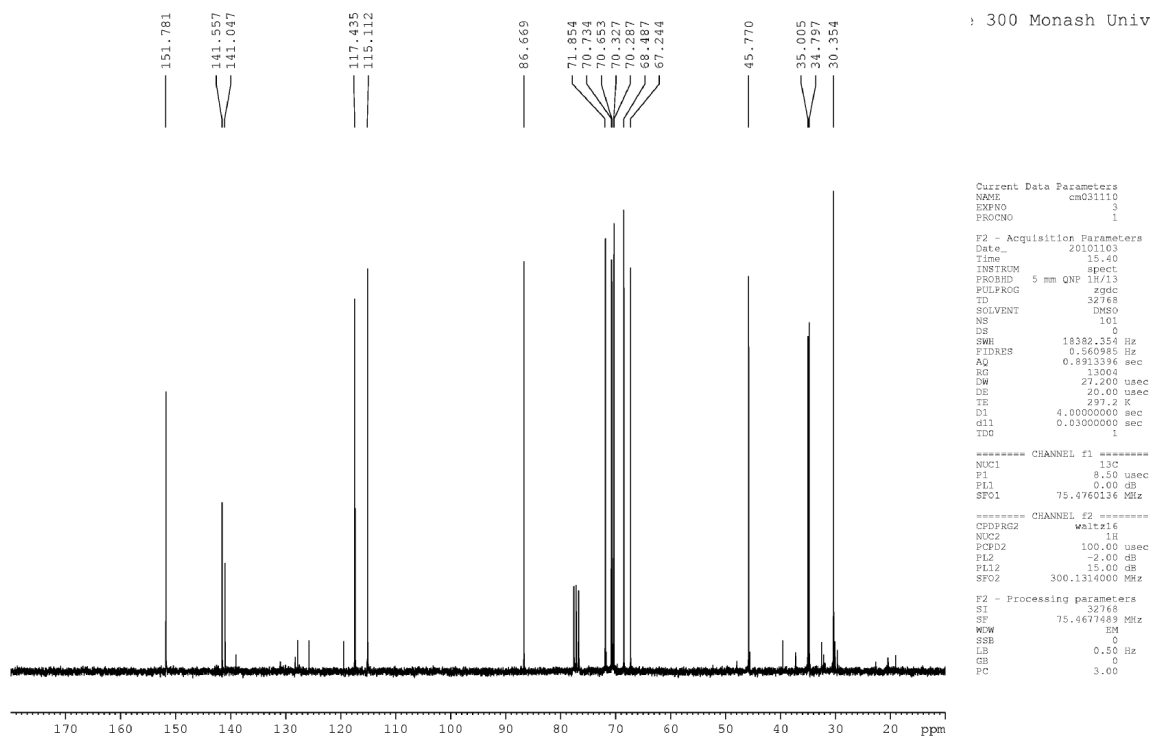
```

Current Data Parameters
NAME          cm031110
EXPNO         2
PROCNO        1

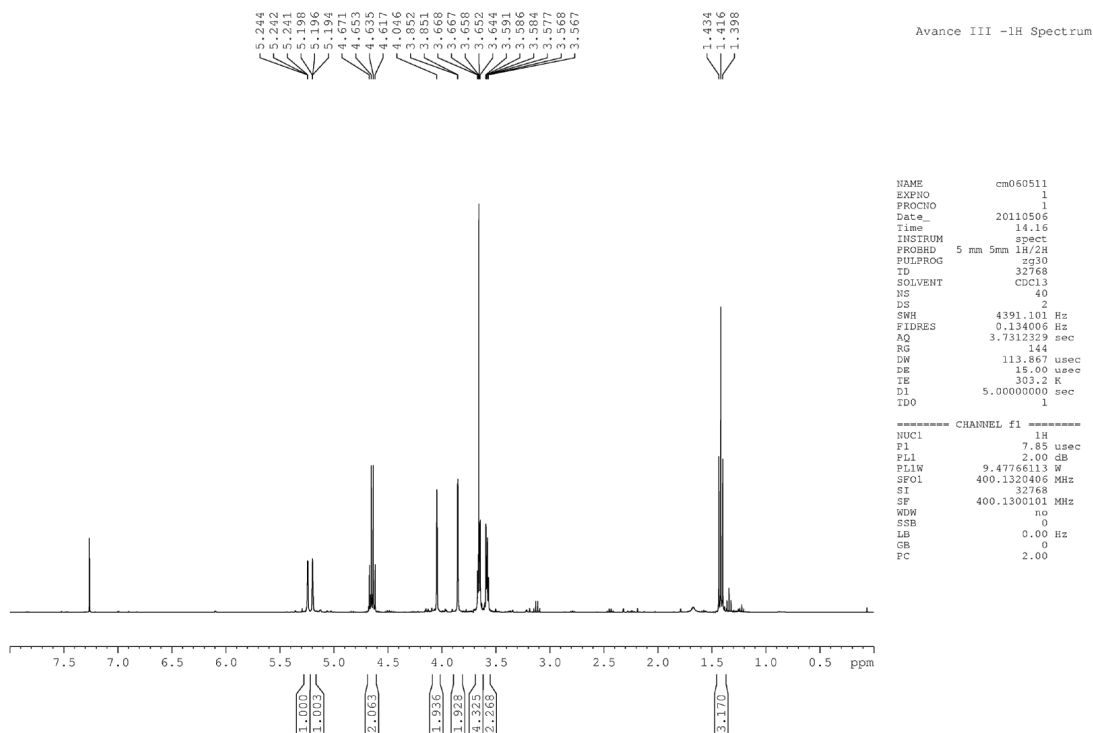
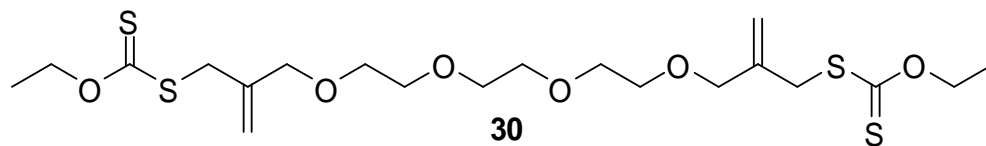
F2 - Acquisition Parameters
Date_         20101103
Time          15.32
INSTRUM       spect
PROBHD        5 mm QNP 1H/13
PULPROG       zg30
TD            32768
SOLVENT       CDCl3
NS            2
DS            0
SWH           8992.806 Hz
FIDRES        0.274439 Hz
AQ            1.8219508 sec
RG            71.8
DW            55.600 usec
DE            15.00 usec
TE            297.2 K
D1            2.0000000 sec
TD0           1

===== CHANNEL f1 =====
NUC1          1H
P1            9.50 usec
PL1           -2.00 dB
SFO1          300.1315757 MHz

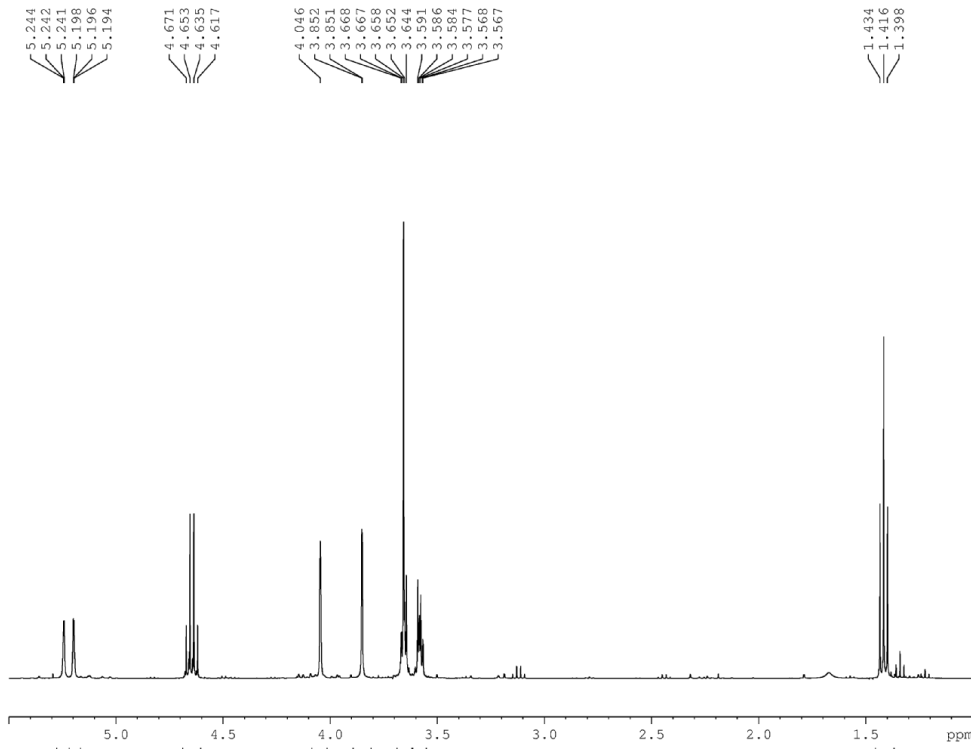
F2 - Processing parameters
SI            32768
SF            300.130021 MHz
WDW           no
SSB           0
LB            0.00 Hz
GB            0
PC            3.00
  
```



S,S'-2,15-dimethylene-4,7,10,13-tetraoxahexadecane-1,16-diyl O,O'-diethyl dicarbonodithioate 30:



Note: traces of ethanol

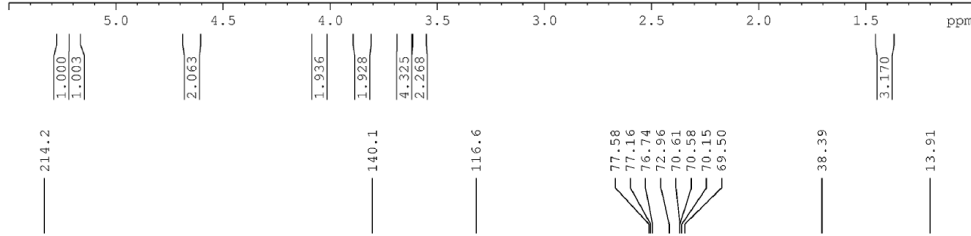


```

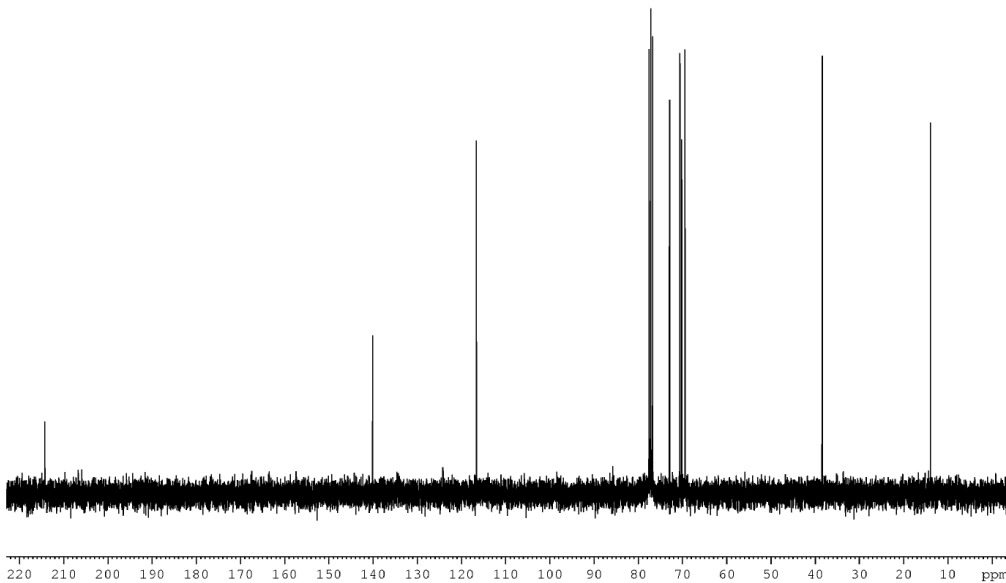
NAME          cm060511
EXPNO         1
PROCNO        1
Date_         20110506
Time          14.16
INSTRUM       spect
PROBHD        5 mm 5mm 1H/2H
PULPROG       zg30
TD            32768
SOLVENT       CDCl3
NS            40
DS            2
SWH           4391.101 Hz
FIDRES        0.134006 Hz
AQ            3.7312329 sec
RG            144
DW            113.867 usec
DE            15.00 usec
TE            303.2 K
D1            5.00000000 sec
TDO           1
    
```

```

----- CHANNEL f1 -----
NUC1          1H
P1            7.85 usec
PL1           2.00 dB
PL1M          9.4776611 Hz
SFO1          400.1320406 MHz
SI            32768
SF            400.1300101 MHz
WDW           no
SSB           0
LB            0.00 Hz
GB            0
FC            2.00
    
```



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```

Current Data Parameters
NAME          cm050511
EXPNO         3
PROCNO        1

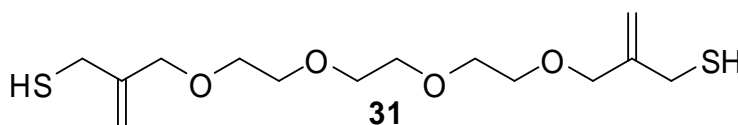
F2 - Acquisition Parameters
Date_         20110505
Time          13.33
INSTRUM       spect
PROBHD        5 mm QNP 1H/13
PULPROG       zgpgac
TD            32768
SOLVENT       DMSO
NS            128
DS            0
SWH           18382.354 Hz
FIDRES        0.560385 Hz
AQ            0.8913396 sec
RG            18390.4
DW            27.200 usec
DE            20.00 usec
TE            303.2 K
D1            4.00000000 sec
d11           0.03000000 sec
TDO           1

----- CHANNEL f1 -----
NUC1          13C
P1            8.50 usec
PL1           0.00 dB
SFO1          75.4760136 MHz

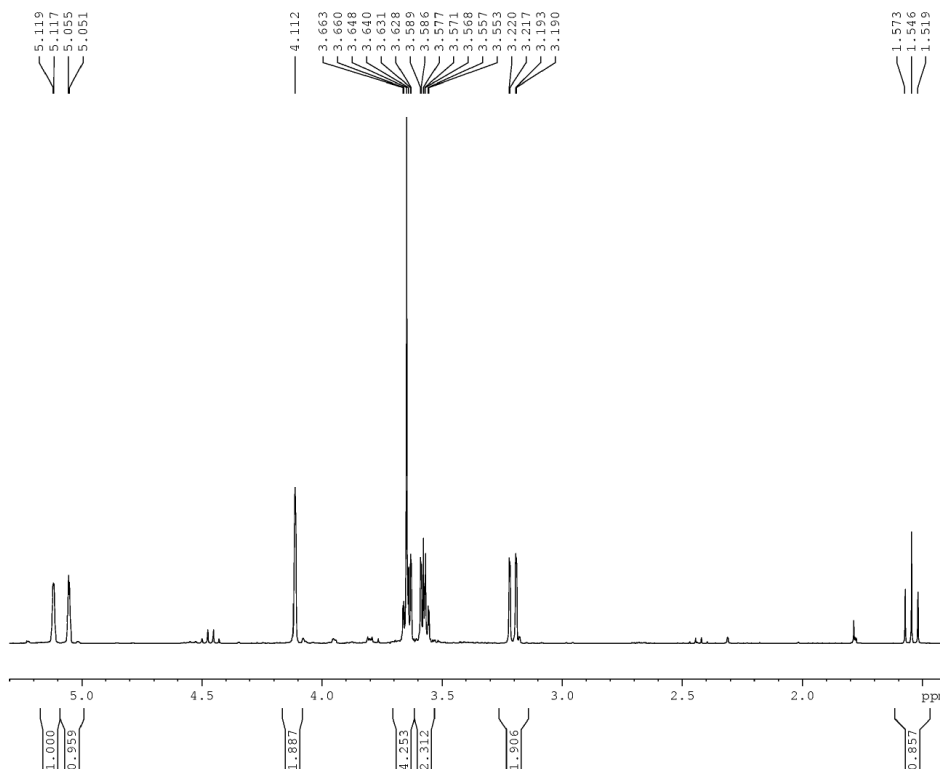
----- CHANNEL f2 -----
CPDPRG2       waltz16
NUC2          1H
PCPD2         100.00 usec
PL2           -2.00 dB
PL12          15.00 dB
SFO2          300.1314000 MHz

F2 - Processing parameters
SI            32768
SF            75.4677377 MHz
WDW           EM
SSB           0
LB            0.50 Hz
GB            0
FC            1.00
    
```

2,15-Dimethylene-4,7,10,13-tetraoxahexadecane-1,16-dithiol 31:



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```

Current Data Parameters
NAME      cm180511
EXPNO     1
PROCNO    1

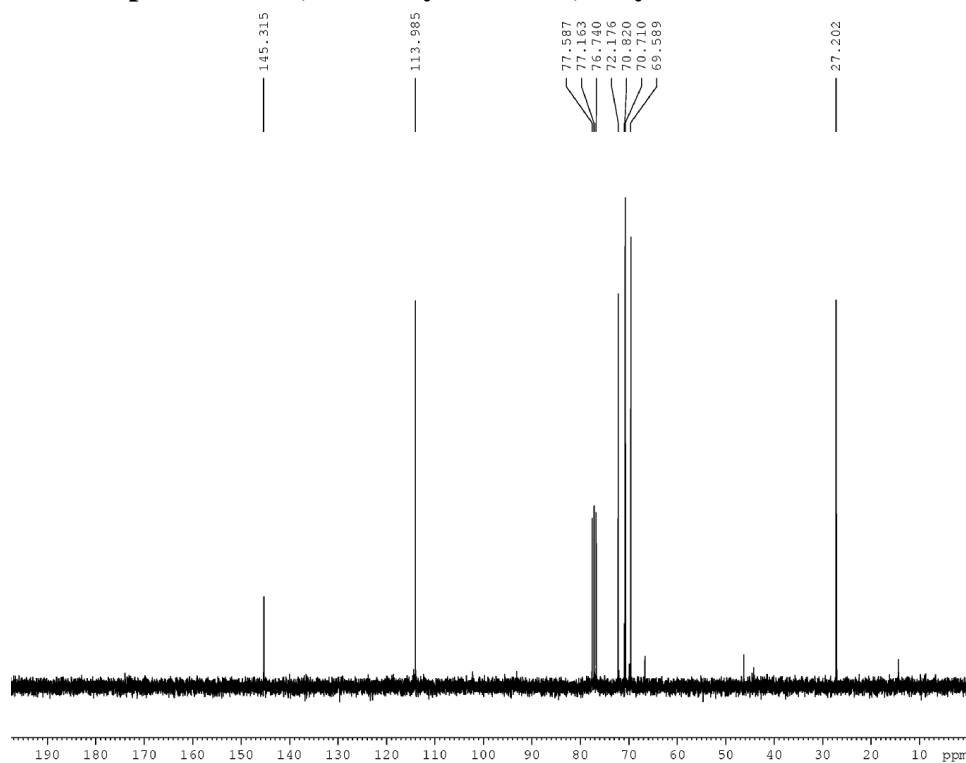
F2 - Acquisition Parameters
Date_     20110518
Time      14.39
INSTRUM   spect
PROBHD    5 mm QNP 1H/13
PULPROG   zg30
TD         32768
SOLVENT   CDCl3
NS         8
DS         2
SWH        8992.806 Hz
FIDRES     0.274439 Hz
AQ         1.821908 sec
RG         161.3
DW         55.600 usec
DE         15.00 usec
TE         303.2 K
D1         2.00000000 sec
TDO        1

----- CHANNEL f1 -----
NUC1       1H
P1         9.50 usec
PL1        -2.00 dB
SFO1       300.1315757 MHz

F2 - Processing parameters
SI         32768
SF         300.1300061 MHz
WDW        EM
SSB        0
LB         0.00 Hz
GB         0
PC         4.00
    
```

Note: impurities of O,O'-diethyl ethane-1,2-diylidicarbamothioate

300 Monash Univ



```

Current Data Parameters
NAME      cm180511
EXPNO     2
PROCNO    1

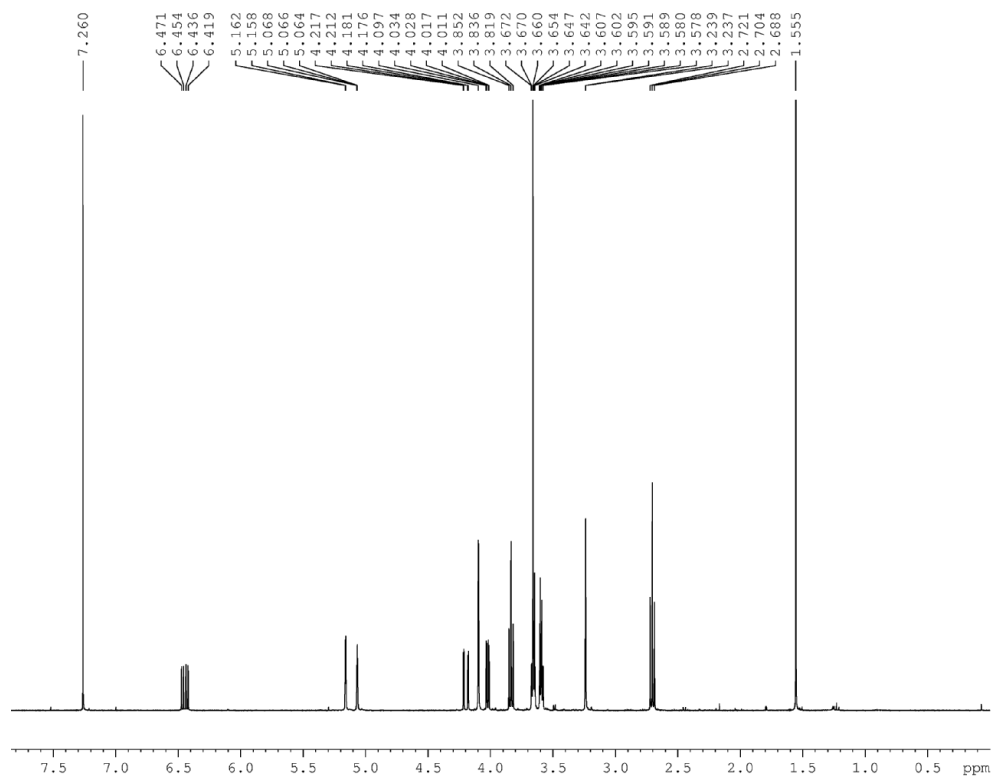
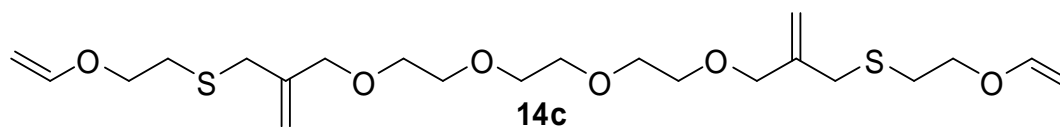
F2 - Acquisition Parameters
Date_     20110518
Time      14.45
INSTRUM   spect
PROBHD    5 mm QNP 1H/13
PULPROG   zgpg
TD         32768
SOLVENT   DMSO
NS         45
DS         0
SWH        18382.354 Hz
FIDRES     0.560985 Hz
AQ         0.8913396 sec
RG         16384
DW         27.200 usec
DE         20.00 usec
TE         303.2 K
D1         4.00000000 sec
d11        0.03000000 sec
TDO        1

----- CHANNEL f1 -----
NUC1       13C
P1         8.50 usec
PL1        0.00 dB
SFO1       75.4760136 MHz

----- CHANNEL f2 -----
CPDPRG2   waltz16
NUC2       1H
PCPD2     100.00 usec
PL2       -2.00 dB
PL12      15.00 dB
SFO2      300.1314000 MHz

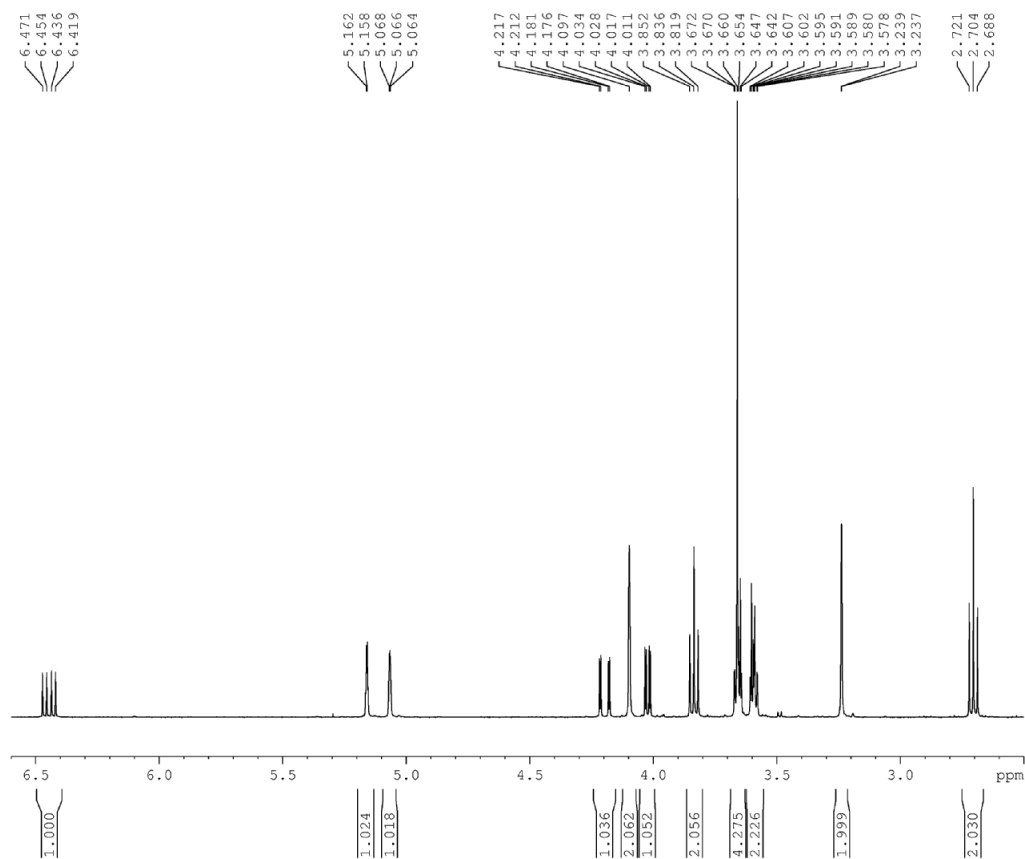
F2 - Processing parameters
SI         32768
SF         75.4677400 MHz
WDW        EM
SSB        0
LB         0.50 Hz
GB         0
PC         1.00
    
```

8,21-dimethylene-3,10,13,16,19,26-hexaoxa-6,23-dithiaoctacos-1,27-diene 14c:



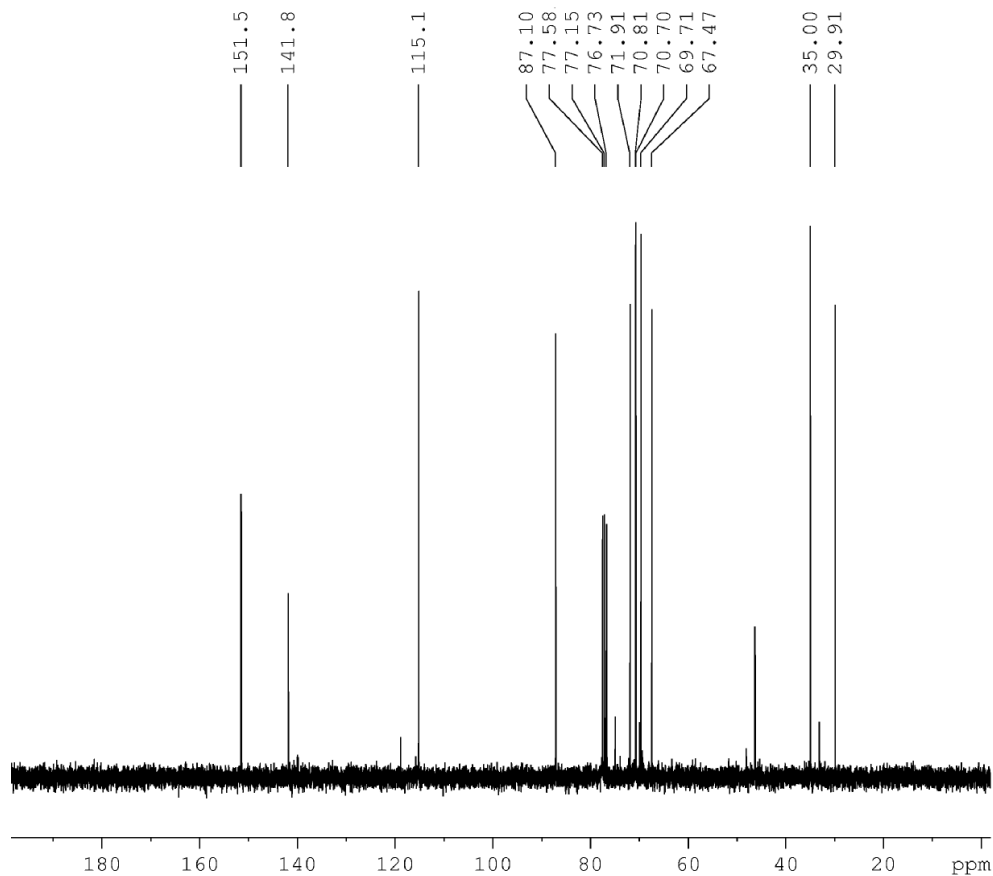
```

NAME          CM020611
EXPNO         2
PROCNO        1
Date_         20110602
Time          16.18
INSTRUM       spect
PROBHD        5 mm 5mm 1H/2H
PULPROG       zg30
TD            32768
SOLVENT       CDCl3
NS            24
DS            2
SWH           4391.101 Hz
FIDRES        0.134006 Hz
AQ            3.7312329 sec
RG            456
DW            113.867 usec
DE            15.00 usec
TE            303.2 K
D1            5.00000000 sec
TDO           1
----- CHANNEL f1 -----
NUC1          1H
P1            7.85 usec
PL1           2.00 dB
PL1W          9.47766113 W
SFO1          400.1320406 MHz
SI            32768
SF            400.1300100 MHz
WDW           no
SSB           0
LB            0.00 Hz
GB            0
PC            0.60
    
```



```

NAME          CM020611
EXPNO         2
PROCNO        1
Date_         20110602
Time          16.18
INSTRUM       spect
PROBHD        5 mm 5mm 1H/2H
PULPROG       zg30
TD            32768
SOLVENT       CDCl3
NS            24
DS            2
SWH           4391.101 Hz
FIDRES        0.134006 Hz
AQ            3.7312329 sec
RG            456
DW            113.867 usec
DE            15.00 usec
TE            303.2 K
D1            5.00000000 sec
TDO           1
----- CHANNEL f1 -----
NUC1          1H
P1            7.85 usec
PL1           2.00 dB
PL1W          9.47766113 W
SFO1          400.1320406 MHz
SI            32768
SF            400.1300100 MHz
WDW           no
SSB           0
LB            0.00 Hz
GB            0
PC            0.60
    
```



```

Current Data Parameters
NAME          cm250810
EXPNO        3
PROCNO       1

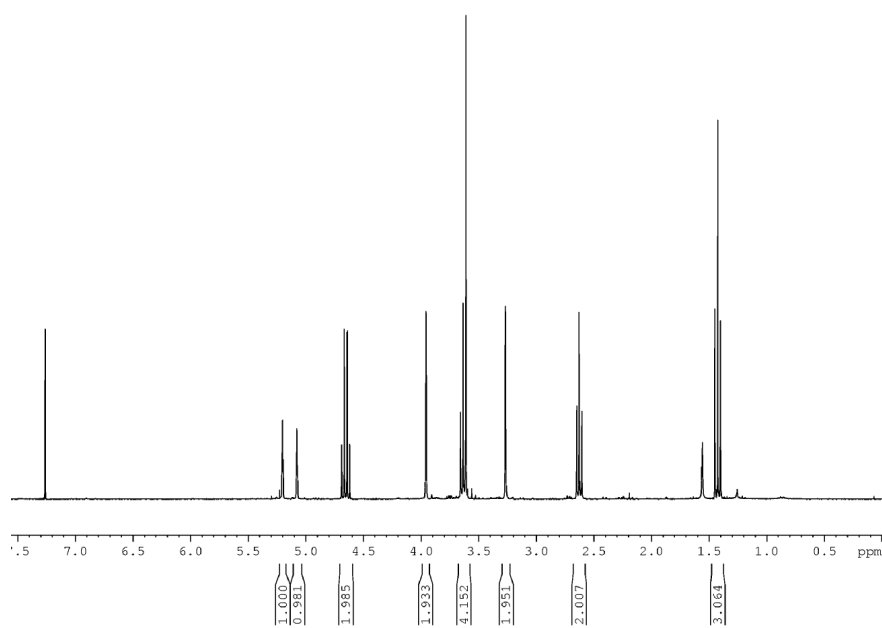
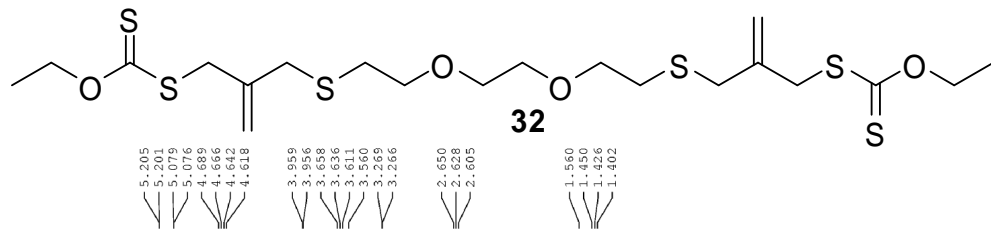
F2 - Acquisition Parameters
Date_        20100825
Time         17.43
INSTRUM      spect
PROBHD       5 mm QNP 1H/13
PULPROG      zgpg
TD           32768
SOLVENT      DMSO
NS           65
DS           0
SWH          18382.354 Hz
FIDRES       0.560985 Hz
AQ           0.8913396 sec
RG           16384
DW           27.200 usec
DE           20.00 usec
TE           303.2 K
D1           4.0000000 sec
d11          0.0300000 sec
TD0          1

===== CHANNEL f1 =====
NUC1         13C
P1           8.50 usec
PL1          0.00 dB
SFO1         75.4760136 MHz

===== CHANNEL f2 =====
CPDPRG2      waltz16
NUC2         1H
PCPD2        100.00 usec
PL2          -2.00 dB
PL12         15.00 dB
SFO2         300.1314000 MHz

F2 - Processing parameters
SI           32768
SF           75.4677397 MHz
WDW          EM
SSB          0
LB           0.50 Hz
GB           0
PC           4.00
  
```

S,S'-2,15-dimethylene-7,10-dioxa-4,13-dithiahexadecane-1,16-diyl O,O'-diethyl dicarbonodithioate 32:



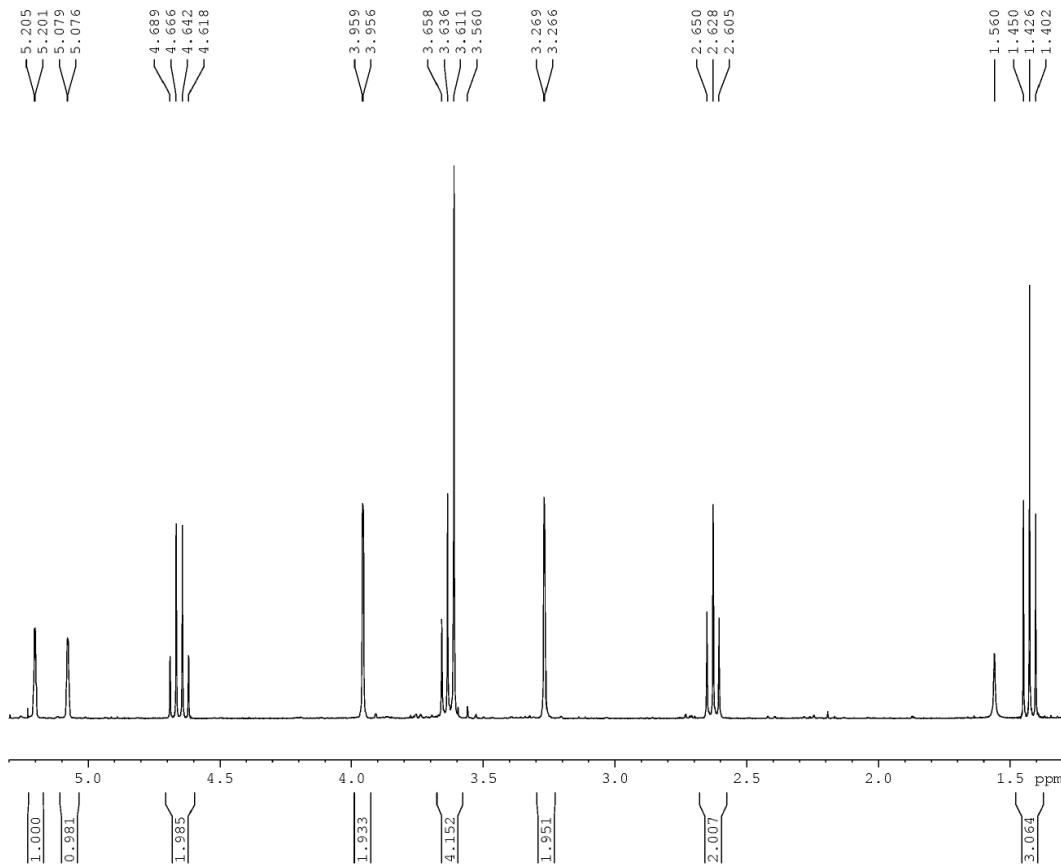
```

Current Data Parameters
NAME          cm100511
EXPNO        1
PROCNO       1

F2 - Acquisition Parameters
Date_        20110910
Time         9.56
INSTRUM      spect
PROBHD       5 mm QNP 1H/13
PULPROG      zgpg
TD           32768
SOLVENT      CDCl3
NS           8
DS           2
SWH          8992.806 Hz
FIDRES       0.274439 Hz
AQ           1.8219908 sec
RG           374.7
DW           55.600 usec
DE           15.00 usec
TE           302.2 K
D1           2.0000000 sec
TD0          1

===== CHANNEL f1 =====
NUC1         1H
P1           9.50 usec
PL1          -2.00 dB
SFO1         300.1315757 MHz

F2 - Processing parameters
SI           32768
SF           300.1300061 MHz
WDW          no
SSB          0
LB           0.00 Hz
GB           0
PC           2.00
  
```

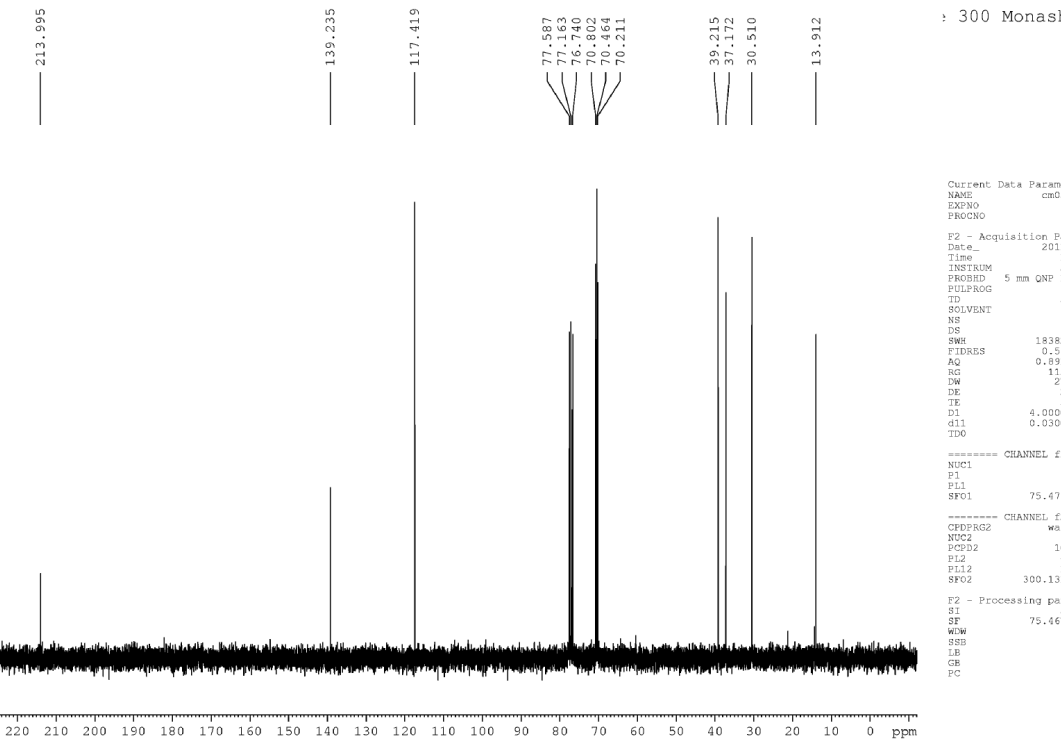


Current Data Parameters
 NAME cm100511
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20110510
 Time 9.56
 INSTRUM spect
 PROBHD 5 mm QNP 1H/13
 PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 8
 DS 2
 SWH 8992.806 Hz
 FIDRES 0.274439 Hz
 AQ 1.8219508 sec
 RG 574.7
 DW 55.600 usec
 DE 15.00 usec
 TE 303.2 K
 D1 2.0000000 sec
 TDO 1

===== CHANNEL f1 =====
 NUC1 1H
 P1 9.50 usec
 PL1 -2.00 dB
 SFO1 300.1315757 MHz

F2 - Processing parameters
 SI 32768
 SF 300.1300061 MHz
 WDW no
 SSB 0
 LB 0.00 Hz
 GB 0
 PC 2.00



Current Data Parameters
 NAME cm050511
 EXPNO 5
 PROCNO 1

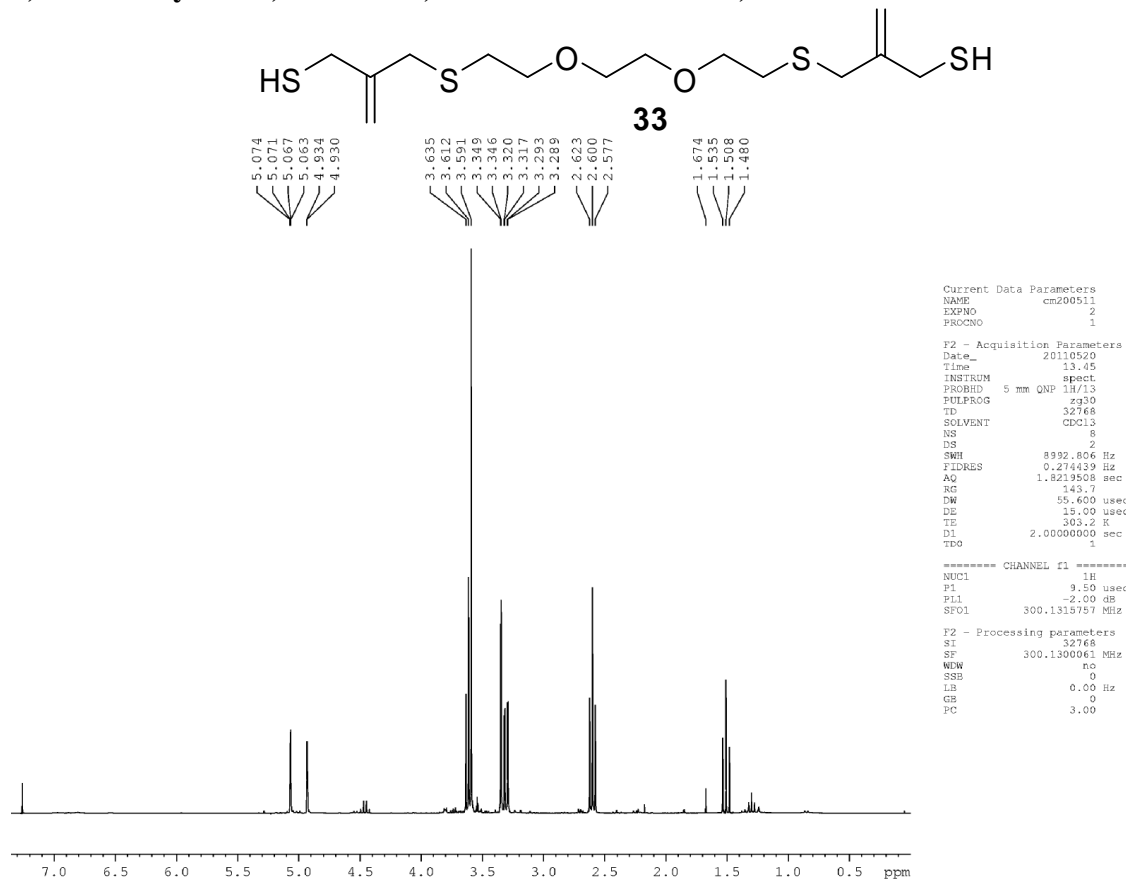
F2 - Acquisition Parameters
 Date_ 20110505
 Time 13.57
 INSTRUM spect
 PROBHD 5 mm QNP 1H/13
 PULPROG zgpgc
 TD 32768
 SOLVENT DMSO
 NS 97
 DS 0
 SWH 18382.354 Hz
 FIDRES 0.560985 Hz
 AQ 0.8913396 sec
 RG 11585.2
 DW 27.200 usec
 DE 20.00 usec
 TE 303.2 K
 D1 4.0000000 sec
 d11 0.0300000 sec
 TDO 1

===== CHANNEL f1 =====
 NUC1 13C
 P1 8.50 usec
 PL1 0.00 dB
 SFO1 75.4760136 MHz

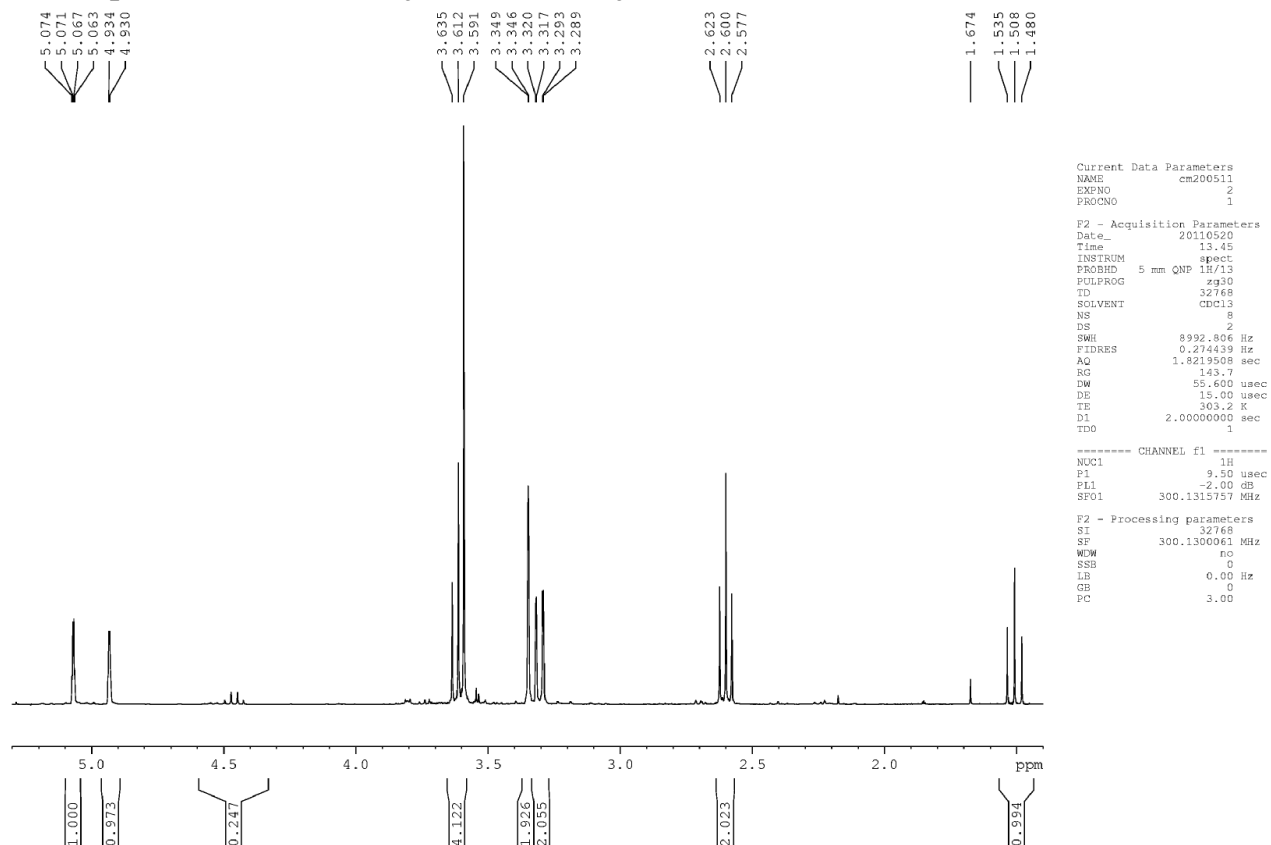
===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 100.00 usec
 PL2 -2.00 dB
 PL12 15.00 dB
 SFO2 300.1314000 MHz

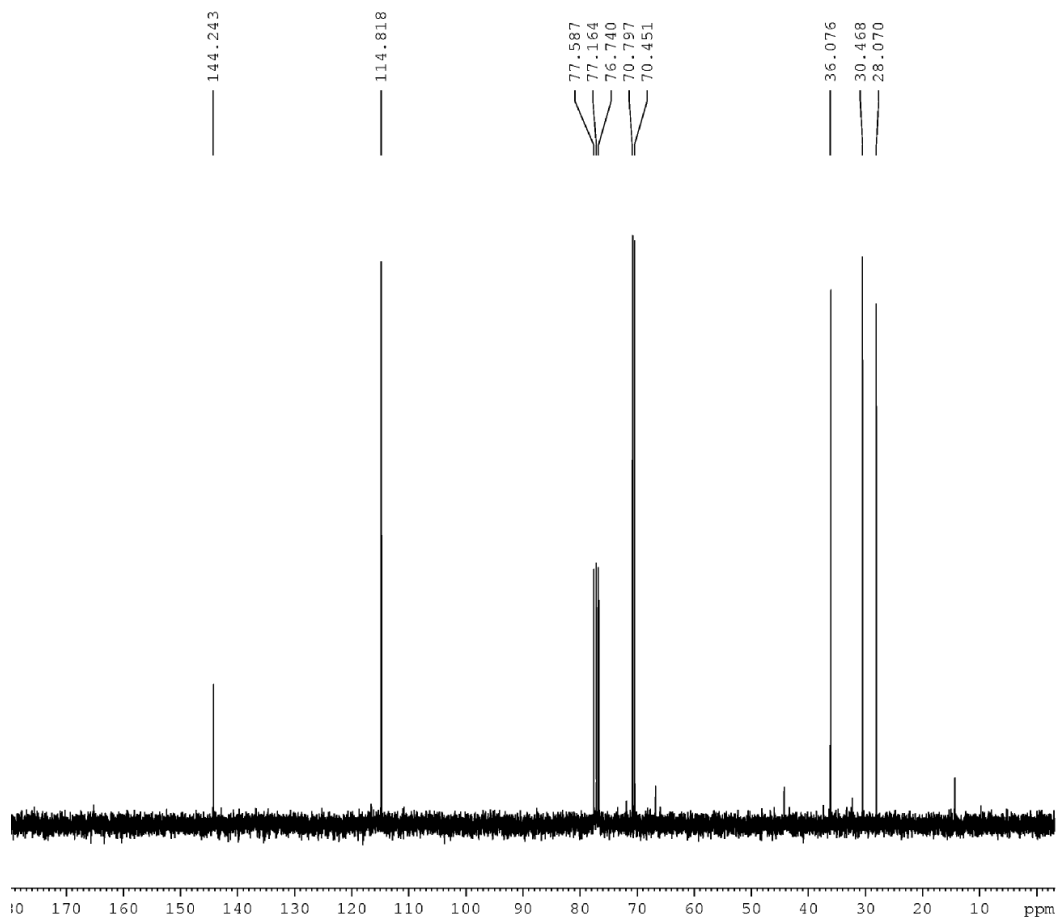
F2 - Processing parameters
 SI 32768
 SF 75.4671394 MHz
 WDW EM
 SSB 0
 LB 0.50 Hz
 GB 0
 PC 3.00

2,15-dimethylene-7,10-dioxa-4,13-dithiahexadecane-1,16-dithiol 33:



Note: impurities of O,O'-diethyl ethane-1,2-diylldicarbamothioate





```

Current Data Parameters
NAME      cm270511
EXPNO    1
PROCNO   1

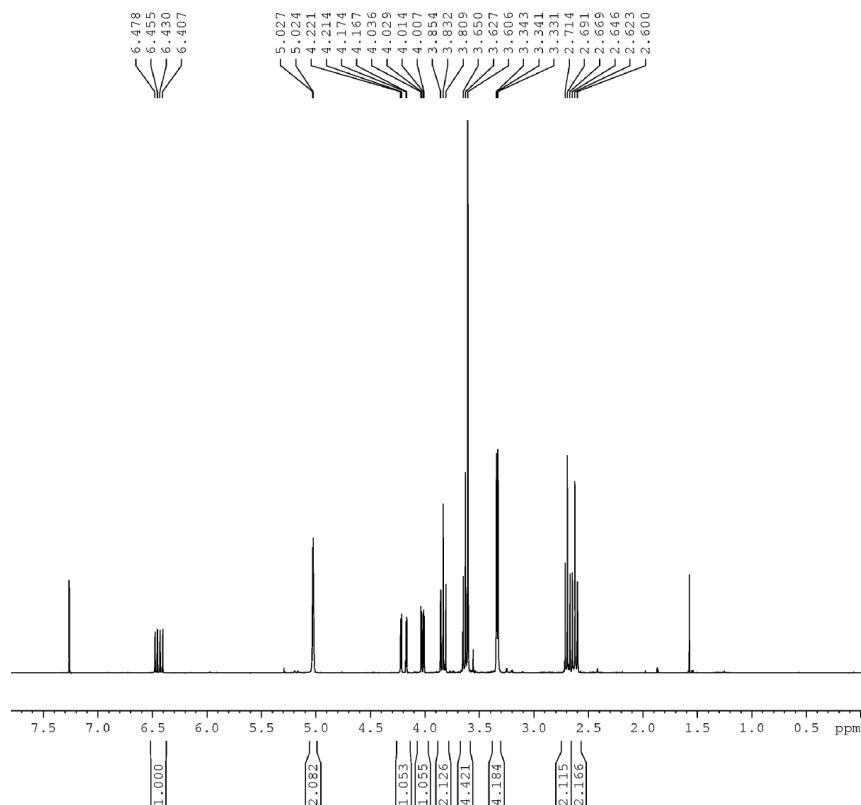
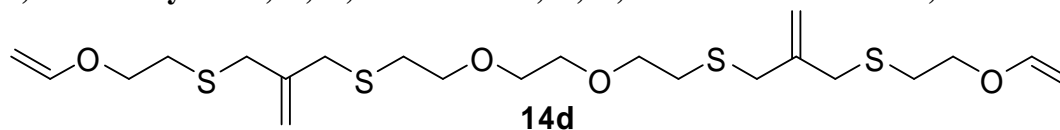
F2 - Acquisition Parameters
Date_    20110527
Time     12.54
INSTRUM spect
PROBHD   5 mm QNP 1H/13
PULPROG zgdc
TD       32768
SOLVENT  DMSO
NS       49
DS       0
SWH      18382.354 Hz
FIDRES   0.560985 Hz
AQ       0.8913396 sec
RG       1824.6
DW       27.200 usec
DE       20.00 usec
TE       303.2 K
D1       4.0000000 sec
d11      0.0300000 sec
TDO      1

----- CHANNEL f1 -----
NUC1     13C
P1       8.50 usec
PL1      0.00 dB
SFO1     75.4760136 MHz

----- CHANNEL f2 -----
CPDPRG2  waltz16
NUC2     1H
PCPD2    100.00 usec
PL2      -2.00 dB
PL12     15.00 dB
SFO2     300.1314000 MHz

F2 - Processing parameters
SI       32768
SF       75.4677402 MHz
WDW      EM
SSB      0
LB       0.50 Hz
GB       0
PC       3.00
    
```

8,21-dimethylene-3,13,16,26-tetraoxa-6,10,19,23-tetrathiaoctacos-1,27-diene 14d:



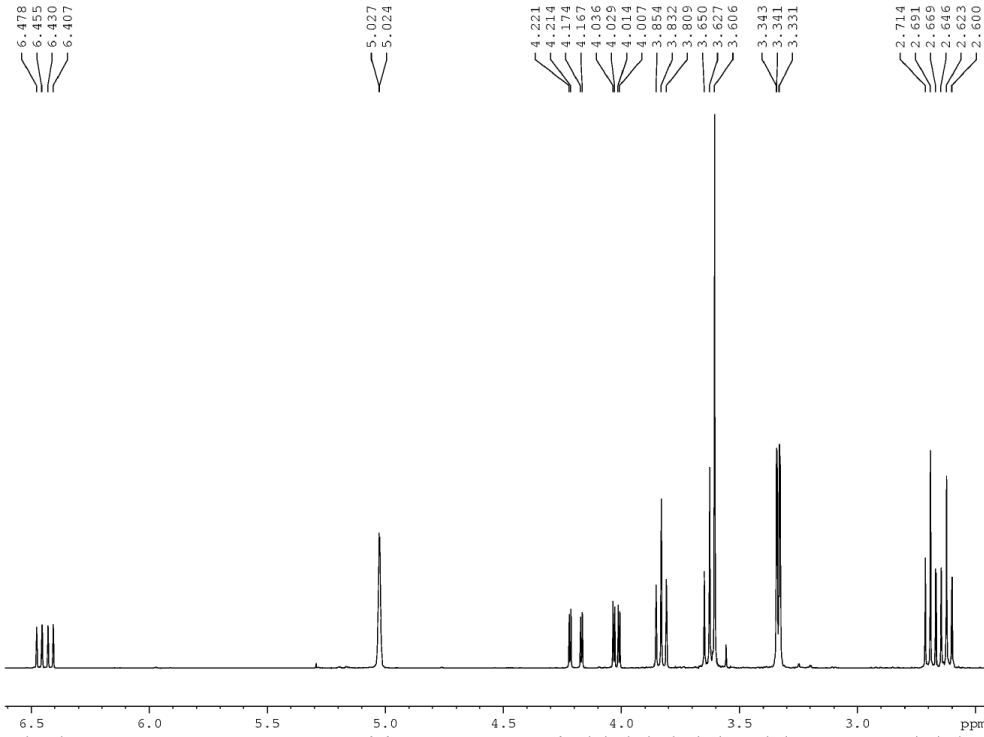
```

Current Data Parameters
NAME      cm260511
EXPNO    2
PROCNO   1

F2 - Acquisition Parameters
Date_    20110524
Time     12.51
INSTRUM spect
PROBHD   5 mm QNP 1H/13
PULPROG zg30
TD       32768
SOLVENT  CDCl3
NS       8
DS       2
SWH      8992.806 Hz
FIDRES   0.274439 Hz
AQ       1.8219508 sec
RG       362
DW       55.600 usec
DE       15.00 usec
TE       303.2 K
D1       2.0000000 sec
TDO      1

----- CHANNEL f1 -----
NUC1     1H
P1       9.50 usec
PL1      -2.00 dB
SFO1     300.1315757 MHz

F2 - Processing parameters
SI       32768
SF       300.1300061 MHz
WDW      rc
SSB      0
LB       0.00 Hz
GB       0
PC       4.00
    
```



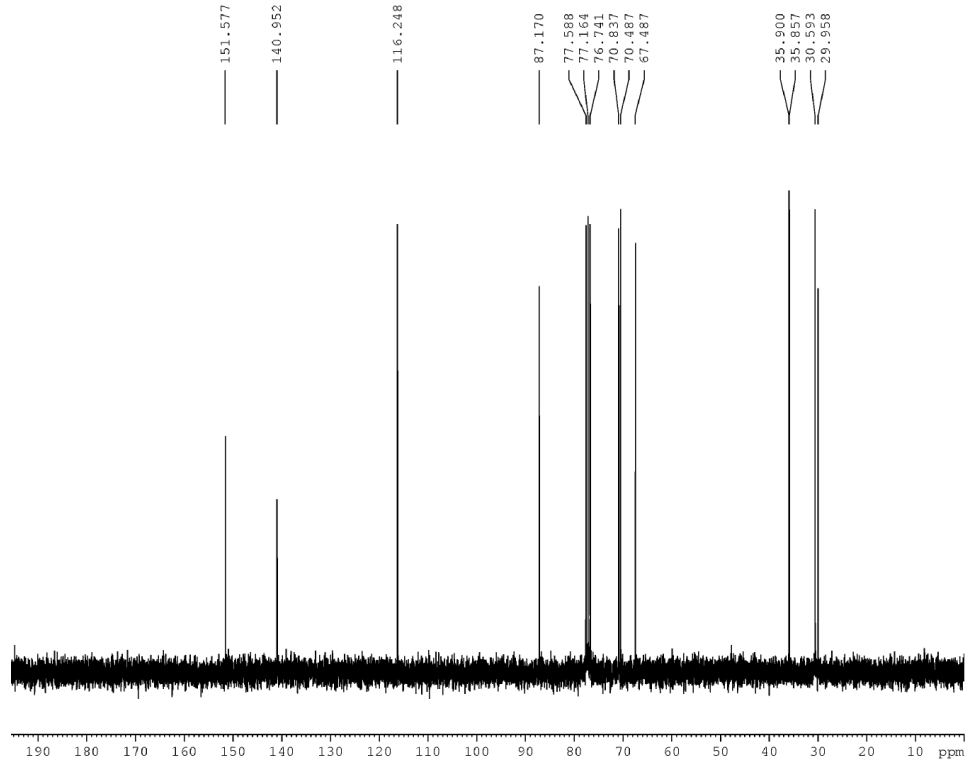
Current Data Parameters
 NAME cm260511
 EXNO 2
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20110526
 Time 12.51
 INSTRUM spect
 PROBHD 5 mm QNP 1H/13
 PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 8
 DS 2
 SWH 8992.806 Hz
 FIDRES 0.274439 Hz
 AQ 1.8219508 sec
 RG 362
 DW 55.600 usec
 DE 15.00 usec
 TE 303.2 K
 D1 2.0000000 sec
 TDO 1

===== CHANNEL f1 =====
 NUC1 1H
 P1 9.50 usec
 PL1 -2.00 dB
 SFO1 300.1315757 MHz

F2 - Processing parameters
 SI 32768
 SF 300.1300061 MHz
 WDW no
 SSB 0
 LB 0.00 Hz
 GB 0
 PC 4.00

: 300 Monash Univ



Current Data Parameters
 NAME cm260511
 EXNO 3
 PROCNO 1

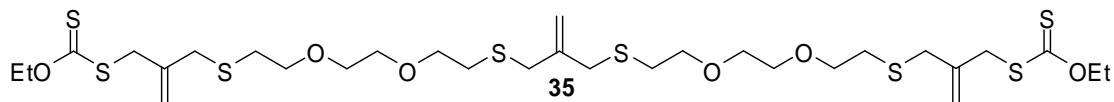
F2 - Acquisition Parameters
 Date_ 20110526
 Time 13.00
 INSTRUM spect
 PROBHD 5 mm QNP 1H/13
 PULPROG zgpg
 TD 32768
 SOLVENT DMSO
 NS 97
 DS 0
 SWH 18382.354 Hz
 FIDRES 0.560985 Hz
 AQ 0.8913396 sec
 RG 11585.2
 DW 27.200 usec
 DE 20.00 usec
 TE 303.2 K
 D1 4.0000000 sec
 d11 0.0300000 sec
 TDO 1

===== CHANNEL f1 =====
 NUC1 13C
 P1 8.50 usec
 PL1 0.00 dB
 SFO1 75.4760136 MHz

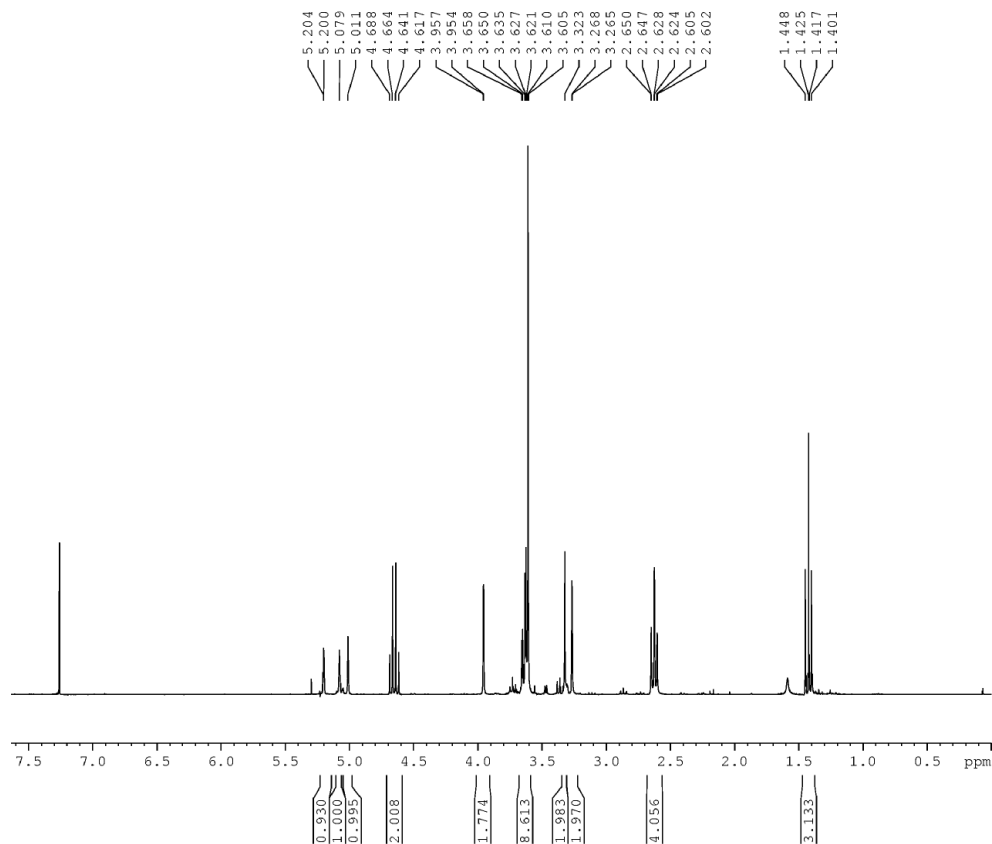
===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 100.00 usec
 PL2 -2.00 dB
 PL12 15.00 dB
 SFO2 300.1314900 MHz

F2 - Processing parameters
 SI 32768
 SF 75.4677376 MHz
 WDW EM
 SSB 0
 LB 0.50 Hz
 GB 0
 PC 1.40

O,O'-diethyl S,S'-2,15,28-trimethylene-7,10,20,23-tetraoxa-4,13,17,26-tetrathianonacosane-1,29-diyl dicarbonodithioate 35:



: 300 Monash Univ



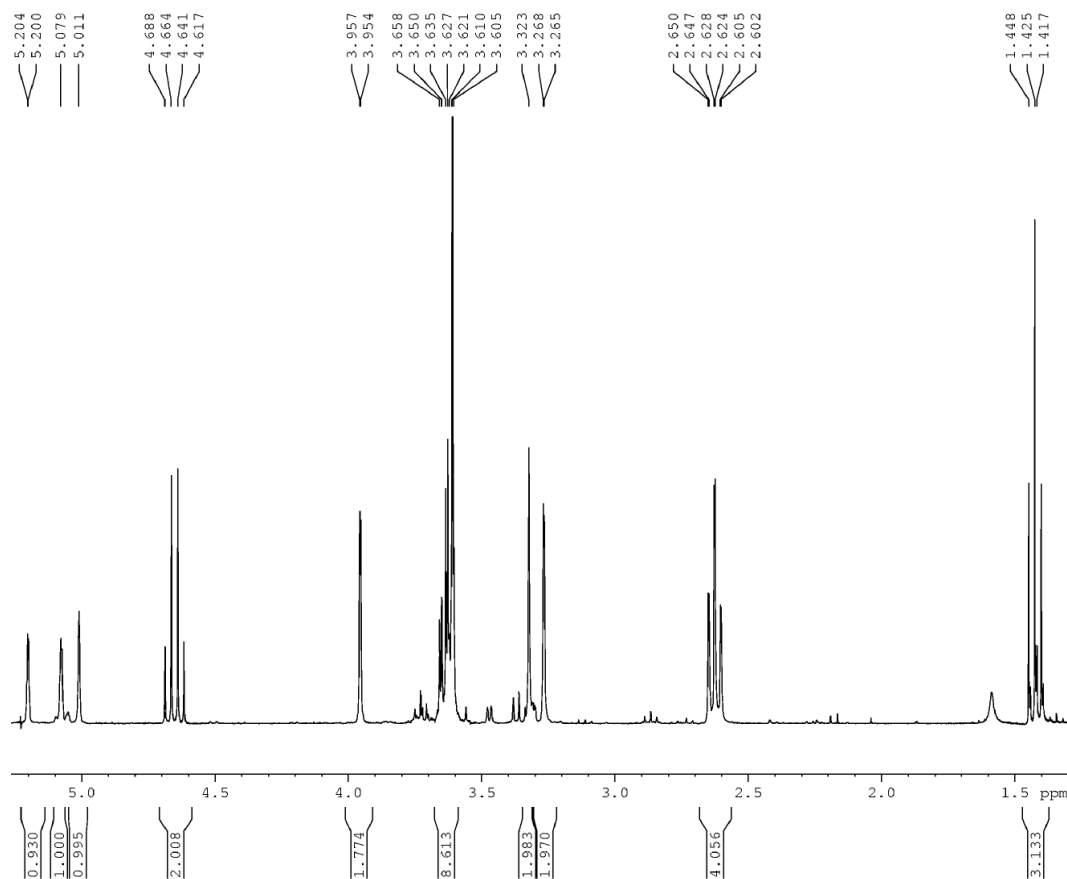
```

Current Data Parameters
NAME      cm100511
EXPNO    2
PROCNO   1

F2 - Acquisition Parameters
Date_    20110510
Time     10.08
INSTRUM  spect
PROBHD   5 mm QNP 1H/13
PULPROG  zg30
TD       32768
SOLVENT  CDCl3
NS       8
DS       2
SWH      8992.806 Hz
FIDRES   0.274439 Hz
AQ       1.8219508 sec
RG       456.1
DM       55.600 usec
DE       15.00 usec
TE       303.2 K
D1       2.0000000 sec
TD0      1

===== CHANNEL f1 =====
NUC1     1H
P1       9.50 usec
PL1     -2.00 dB
SF01    300.1315757 MHz

F2 - Processing parameters
SI       32768
SF       300.1300061 MHz
WDW      no
SSB      0
LB       0.00 Hz
GB       0
PC       3.00
    
```



: 300 Monash Univ

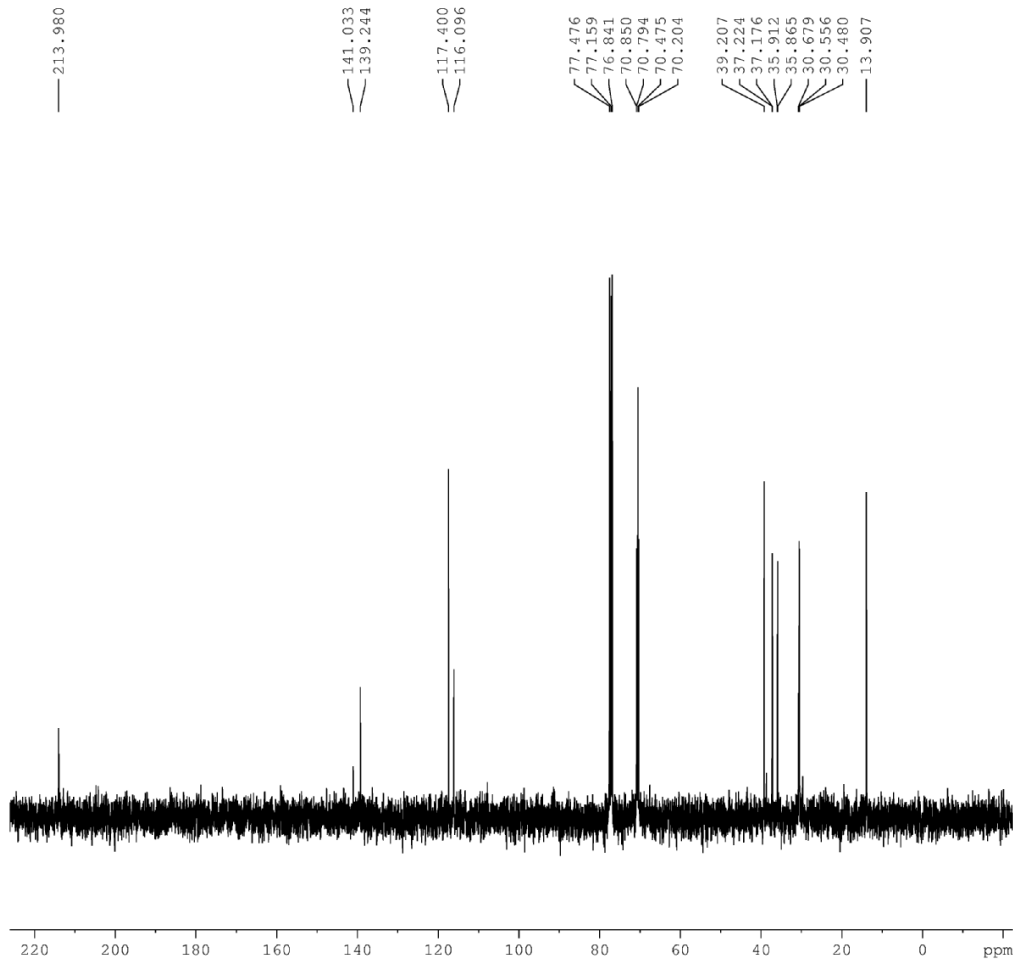
```

Current Data Parameters
NAME      cm100511
EXPNO    2
PROCNO   1

F2 - Acquisition Parameters
Date_    20110510
Time     10.08
INSTRUM  spect
PROBHD   5 mm QNP 1H/13
PULPROG  zg30
TD       32768
SOLVENT  CDCl3
NS       8
DS       2
SWH      8992.806 Hz
FIDRES   0.274439 Hz
AQ       1.8219508 sec
RG       456.1
DM       55.600 usec
DE       15.00 usec
TE       303.2 K
D1       2.0000000 sec
TD0      1

===== CHANNEL f1 =====
NUC1     1H
P1       9.50 usec
PL1     -2.00 dB
SF01    300.1315757 MHz

F2 - Processing parameters
SI       32768
SF       300.1300061 MHz
WDW      no
SSB      0
LB       0.00 Hz
GB       0
PC       3.00
    
```



```

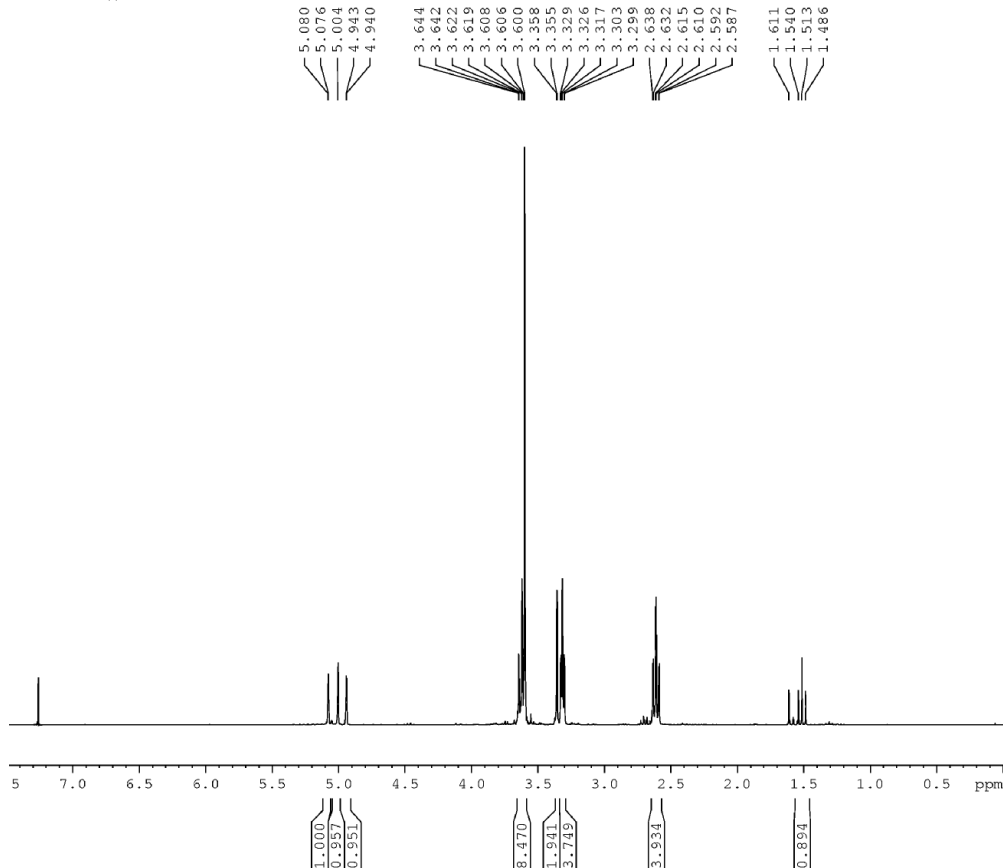
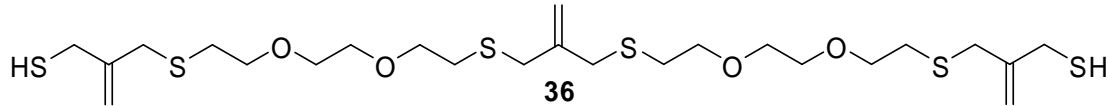
NAME          CM271010
EXPNO         6
PROCNO        1
Date_         20101027
Time         16.42
INSTRUM       spect
PROBHD        5 mm 5mm 1H/2H
PULPROG       zgdc
TD            65536
SOLVENT       CDC13
NS            128
DS            4
SWH           25000.000 Hz
FIDRES        0.381470 Hz
AQ            1.3107700 sec
RG            2050
DW            20.000 usec
DE            15.00 usec
TE            303.2 K
D1            4.00000000 sec
D11           0.03000000 sec
TDO           1

===== CHANNEL f1 =====
NUC1          13C
P1            12.20 usec
PL1           0.00 dB
PL1W          95.45168304 W
SFO1          100.6230043 MHz

===== CHANNEL f2 =====
CPDPRG2       waltz16
NUC2          1H
PCPD2         100.00 usec
PL2           2.00 dB
PL12          23.16 dB
PL2W          9.47766113 W
PL12W         0.07256065 W
SFO2          400.1320000 MHz
SI            65536
SF            100.6127559 MHz
WDW           EM
SSB           0
LB            2.00 Hz
GB            0
PC            1.30

```

2,15,28-trimethylene-7,10,20,23-tetraoxa-4,13,17,26-tetrathianonacosane-1,29-dithiol 36:



```

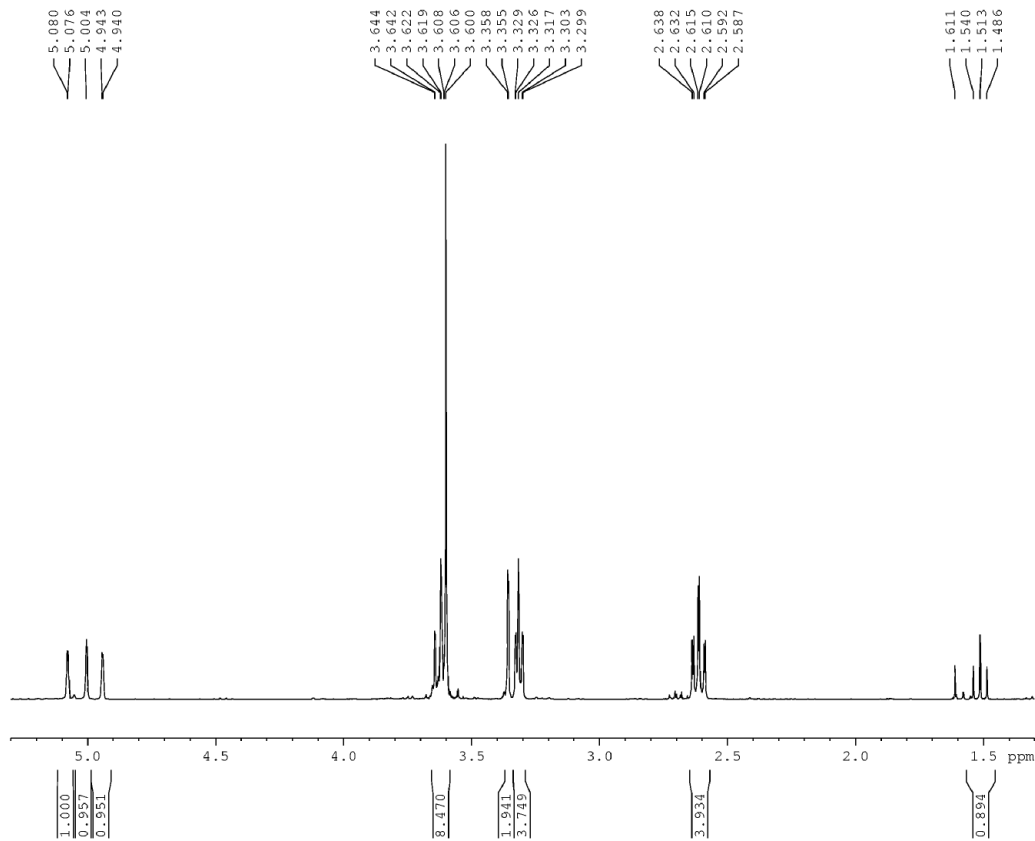
Current Data Parameters
NAME          cm180511
EXPNO         4
PROCNO        1

P2 - Acquisition Parameters
Date_         20110518
Time         15.02
INSTRUM       spect
PROBHD        5 mm QNP 1H/13
PULPROG       zg30
TD            32768
SOLVENT       CDC13
NS            8
DS            2
SWH           8992.806 Hz
FIDRES        0.274439 Hz
AQ            1.8219508 sec
RG            228.1
DW            55.600 usec
DE            15.00 usec
TE            303.2 K
D1            2.00000000 sec
TDO           1

===== CHANNEL f1 =====
NUC1          1H
P1            9.50 usec
PL1           -2.00 dB
PL1W          300.1315757 MHz
SFO1          300.1315757 MHz

P2 - Processing parameters
SI            32768
SF            300.1300062 MHz
WDW           no
SSB           0
LB            0.00 Hz
GB            0
PC            3.00

```



```

Current Data Parameters
NAME      cm180511
EXPNO     4
PROCNO    1

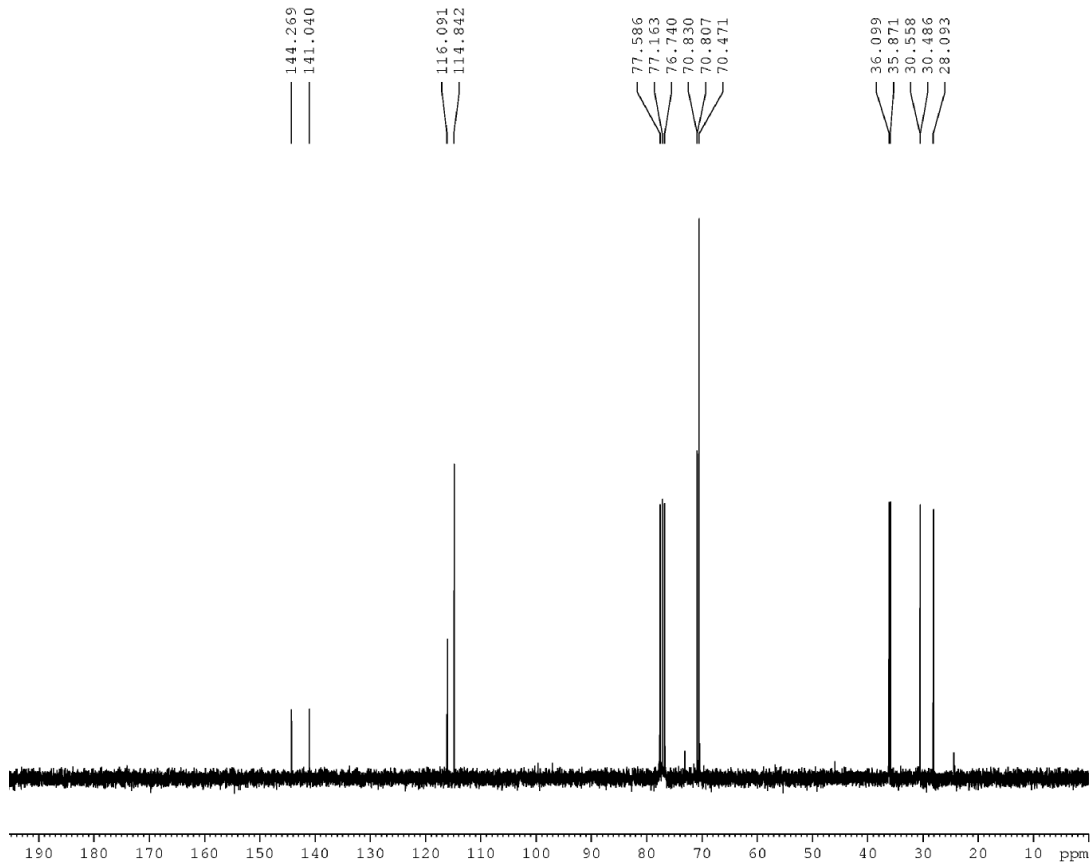
F2 - Acquisition Parameters
Date_     20110518
Time      15.02
INSTRUM   spect
PROBHD    5 mm QNP 1H/13
PULPROG   zg30
TD         32768
SOLVENT   CDCl3
NS         8
DS         2
SWH        8992.806 Hz
FIDRES     0.274439 Hz
AQ         1.8219508 sec
RG         228.1
DW         55.600 usec
DE         15.00 usec
TE         303.2 K
D1         2.0000000 sec
TDO        1

===== CHANNEL f1 =====
NUC1       1H
P1         9.50 usec
PL1        -2.00 dB
SFO1       300.1315757 MHz

F2 - Processing parameters
SI         32768
SF         300.1300062 MHz
WDW        no
SSB        0
LB         0.00 Hz
GB         0
PC         3.00

```

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```

Current Data Parameters
NAME      cm180511
EXPNO     4
PROCNO    1

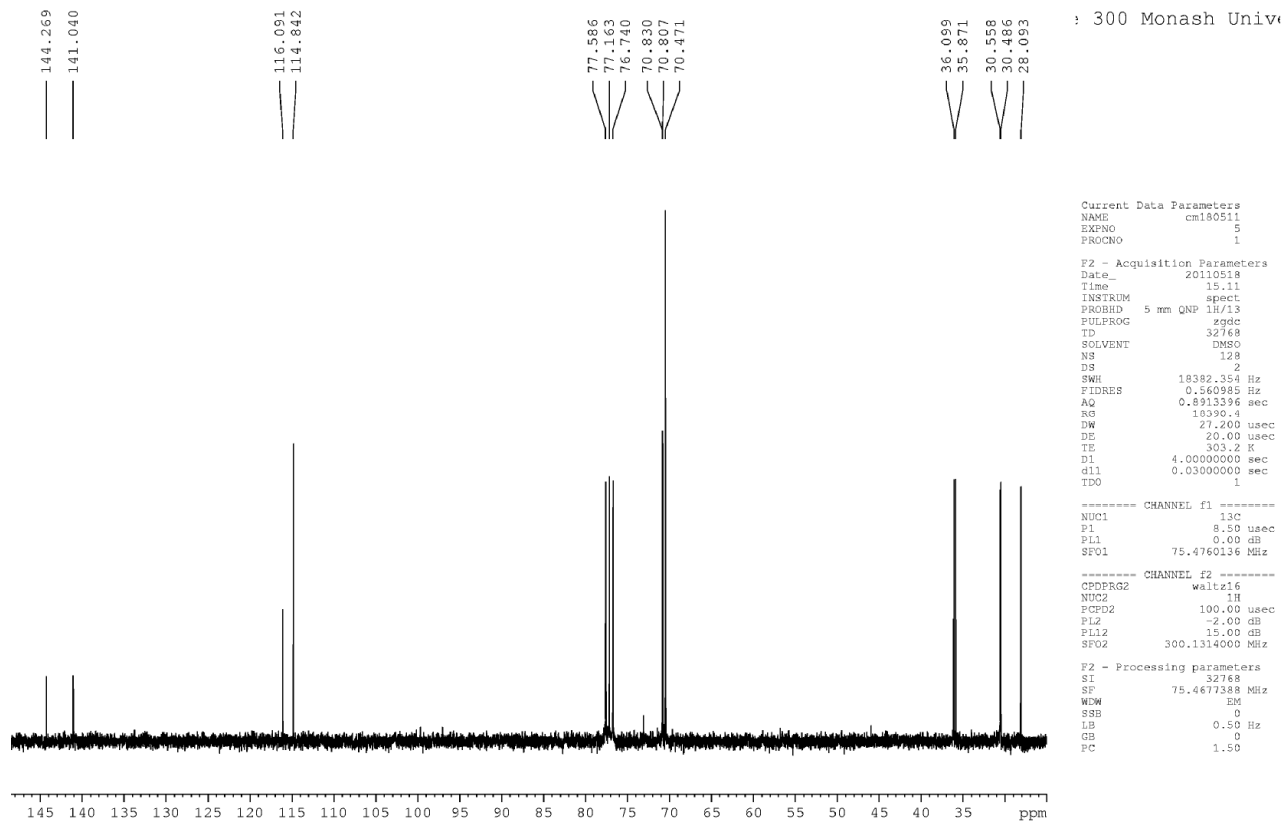
F2 - Acquisition Parameters
Date_     20110518
Time      15.11
INSTRUM   spect
PROBHD    5 mm QNP 1H/13
PULPROG   zgdc
TD         32768
SOLVENT   DMSO
NS         128
DS         2
SWH        18382.354 Hz
FIDRES     0.560985 Hz
AQ         0.8913396 sec
RG         18390.4
DW         27.200 usec
DE         20.00 usec
TE         303.2 K
D1         4.0000000 sec
d11        0.0300000 sec
TDO        1

===== CHANNEL f1 =====
NUC1       13C
P1         8.50 usec
PL1         0.00 dB
SFO1       75.4760136 MHz

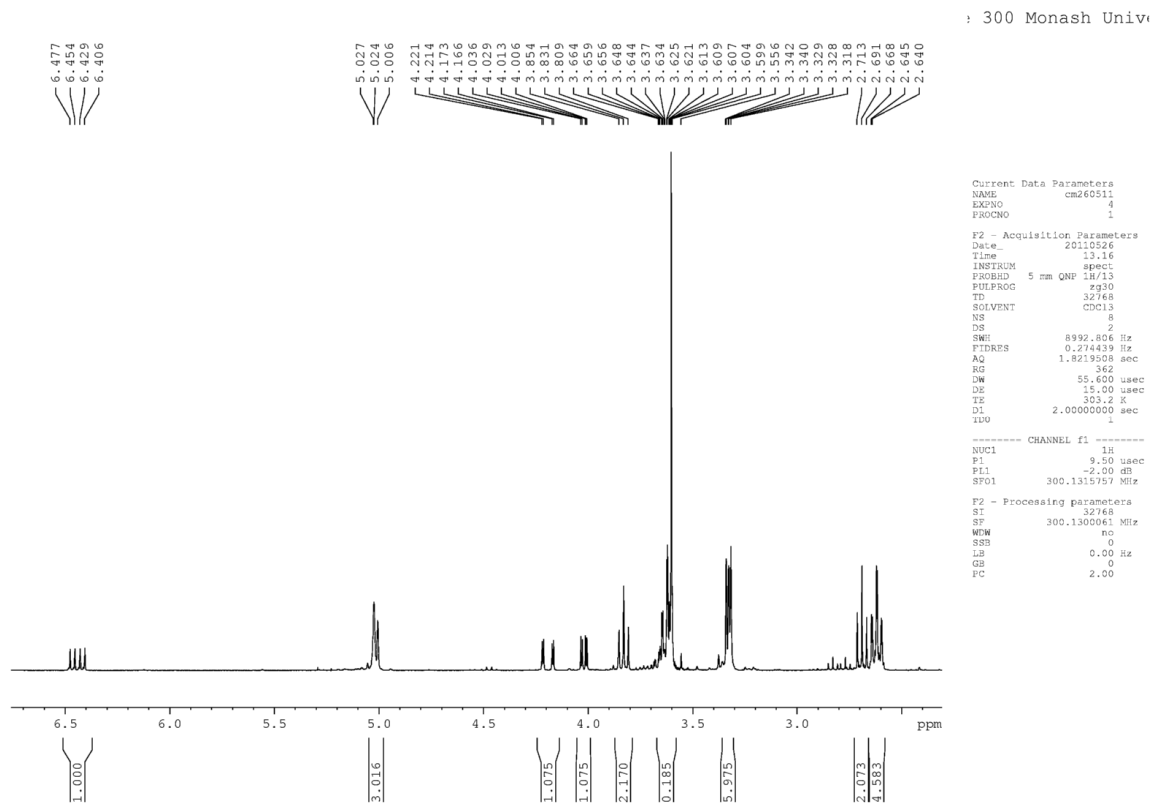
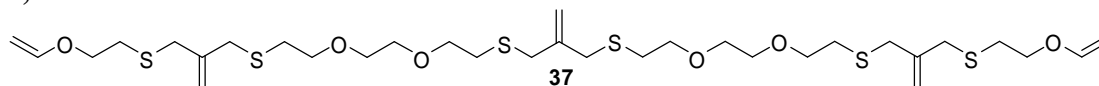
===== CHANNEL f2 =====
CPDPRG2   waltz16
NUC2       1H
P2         100.00 usec
PL2        -2.00 dB
PL12       15.00 dB
SFO2       300.1314000 MHz

F2 - Processing parameters
SI         32768
SF         75.4677388 MHz
WDW        EM
SSB        0
LB         0.50 Hz
GB         0
PC         1.50

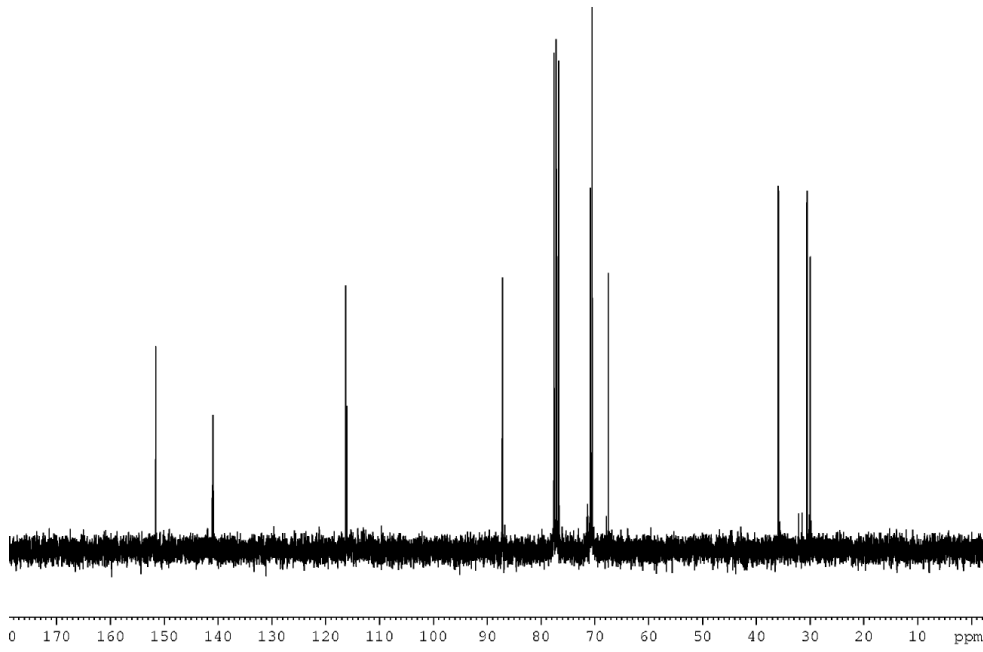
```



8,21,34-trimethylene-3,13,16,26,29,39-hexaoxa-6,10,19,23,32,36-hexathia-hentetraconta-1,40-diene 37:



151.1575
 141.052
 140.946
 116.248
 116.102
 87.169
 77.586
 77.163
 76.739
 70.826
 70.809
 70.474
 67.484
 35.895
 35.876
 35.851
 30.582
 30.567
 29.955



```

Current Data Parameters
NAME          cm260511
EXPNO         5
PROCNO        1

F2 - Acquisition Parameters
Date_         20110526
Time          13:27
INSTRUM       spect
PROBHD        5 mm QNP 1H/13
PULPROG       zgpgc
TD            32768
SOLVENT       DMSO
NS            161
DS            0
SWH           18382.354 Hz
FIDRES        0.560985 Hz
AQ            0.8913396 sec
RG            16384
DW            27.200 usec
DE            20.00 usec
TE            303.2 K
D1            4.0000000 sec
d11           0.03000000 sec
TDO           1

===== CHANNEL f1 =====
NUC1          13C
P1            8.50 usec
PL1           0.00 dB
SFO1          75.4760136 MHz

===== CHANNEL f2 =====
CPDPRG2       waltz16
NUC2          1H
PCPD2         100.00 usec
PL2           -2.00 dB
PL12          15.00 dB
SFO2          300.1314000 MHz

F2 - Processing parameters
SI            32768
SF            75.4677379 MHz
WDW           EM
SSB           0
LB            0.50 Hz
GB            0
PC            2.00
  
```