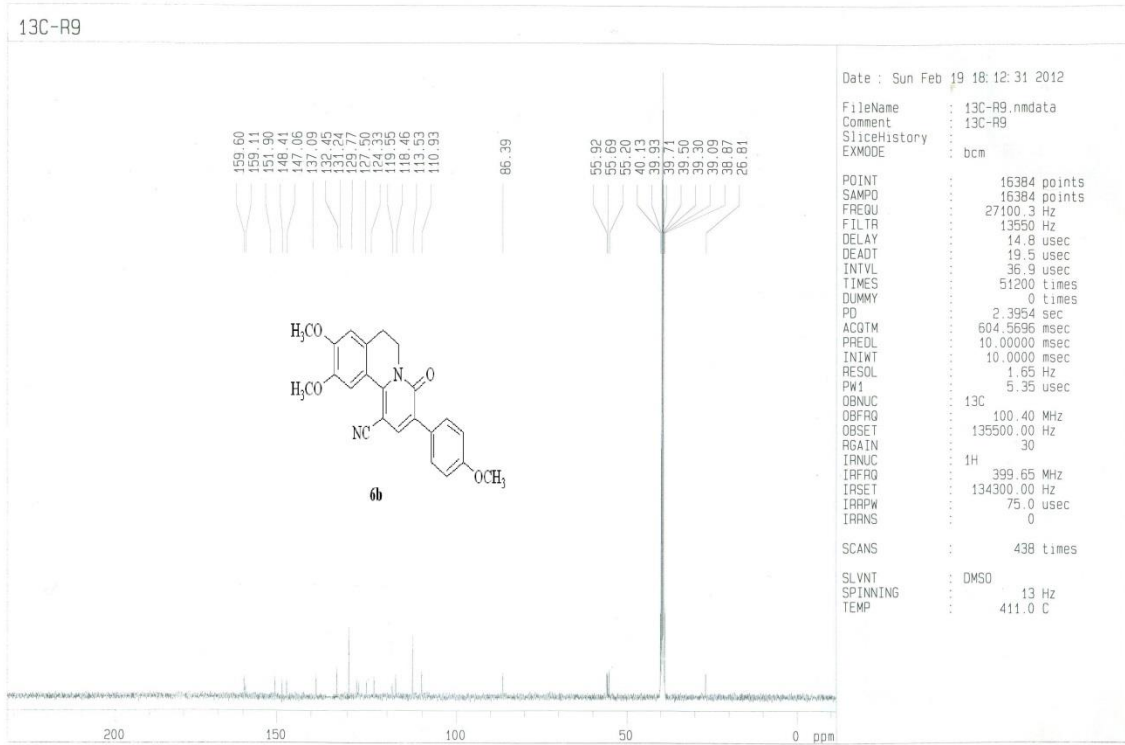
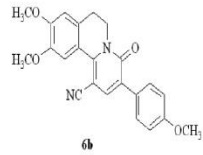


Supplementary material



1H-R9

7.916
7.880
7.830
7.796
7.777
7.739
7.717
7.683
7.676
7.612
6.981
6.959
6.925
4.162
4.147
4.131
3.957
3.895
3.826
3.806
3.779
3.745
3.466
3.447
3.436
3.410
3.408
3.376
3.353
3.310
3.301
3.295
2.940
2.924
2.524
2.495
2.490
2.486
2.457
1.894



2.09
1.57
1.00
4.88
11.68
1.00
1.78
0.06

12.5 10.0 7.5 5.0 2.5 0.0 ppm

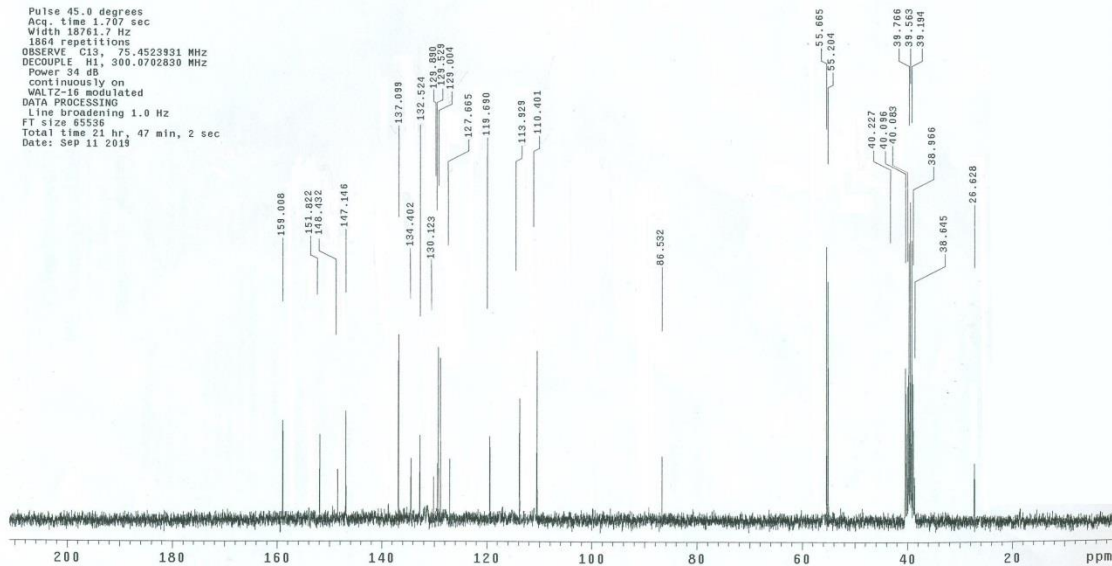
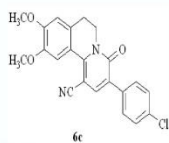
Date : Sat Feb 11 19:38:43 2012

FileName : 1H-R9.nmdata
Comment : 1H-R9
SliceHistory :
EXMODE : non
POINT : 16384 points
SAMPD : 16384 points
FREQU : 7993.6 Hz
FLTR : 4000 Hz
DELAY : 50.0 usec
DEADT : 72.5 usec
INTVL : 125.1 usec
TIMES : 512 times
DUMMY : 0 times
PD : 4.9504 sec
ACQTM : 2049.6384 msec
PREDL : 10.00000 msec
INIWT : 10.0000 msec
RESOL : 0.49 Hz
PW1 : 5.10 usec
OBNUC : 1H
OBFRQ : 399.65 MHz
OBSET : 134300.00 Hz
RGAIN : 18
SCANS : 30 times
SLVNT : DMSO
SPINNING : 11 Hz
TEMP : 409.0 C

HamdyHasaneen-R10-DMSO-C13
Archive directory: /export/home/vnmr1/vnmrsys/data
Sample directory: D05mm_test_12Mar2014-21:34:40
File: PROTDM

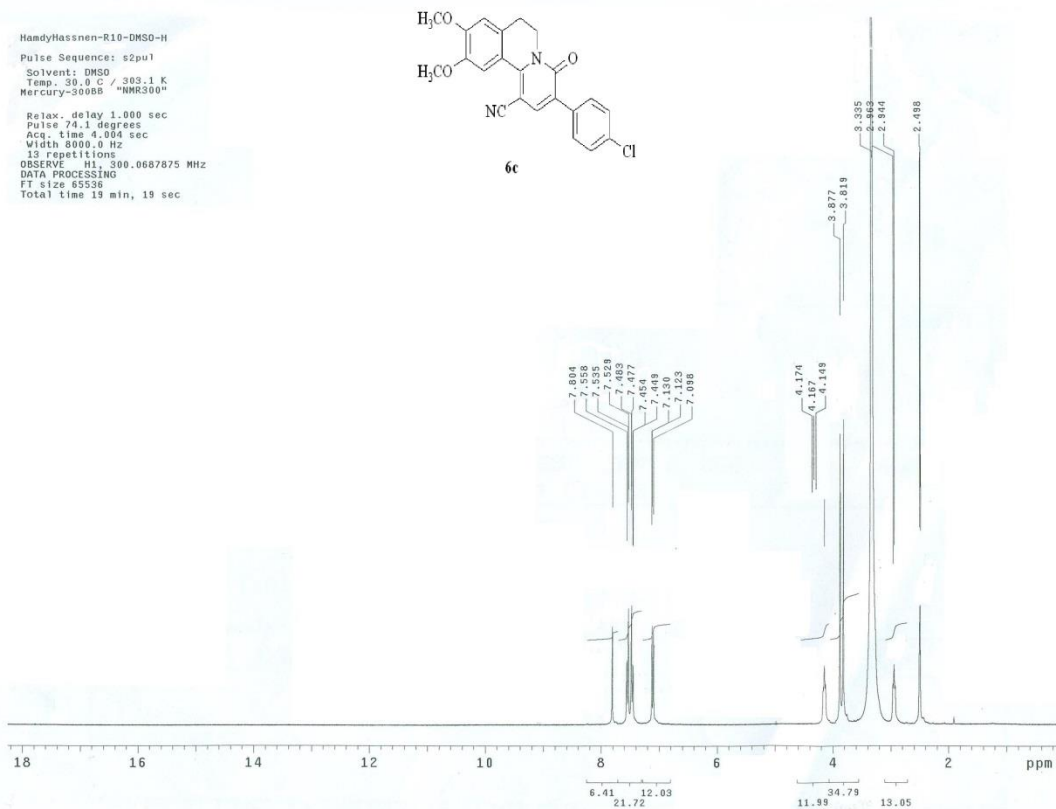
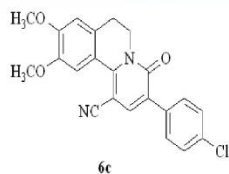
Pulse Sequence: s2pul
Solvent: DMSO
Ambient temperature
Mercury-300BB "NMR300"

Pulse 45.0 degrees
Acq. time 1.707 sec
Width 18761.7 Hz
1864 repetitions
OBSERVE C13, 75.4523931 MHz
DECOUPLE H1, 300.0702830 MHz
Power 34 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 1.0 Hz
F1 size 65536
Total time 21 hr, 47 min, 2 sec
Date: Sep 11 2019



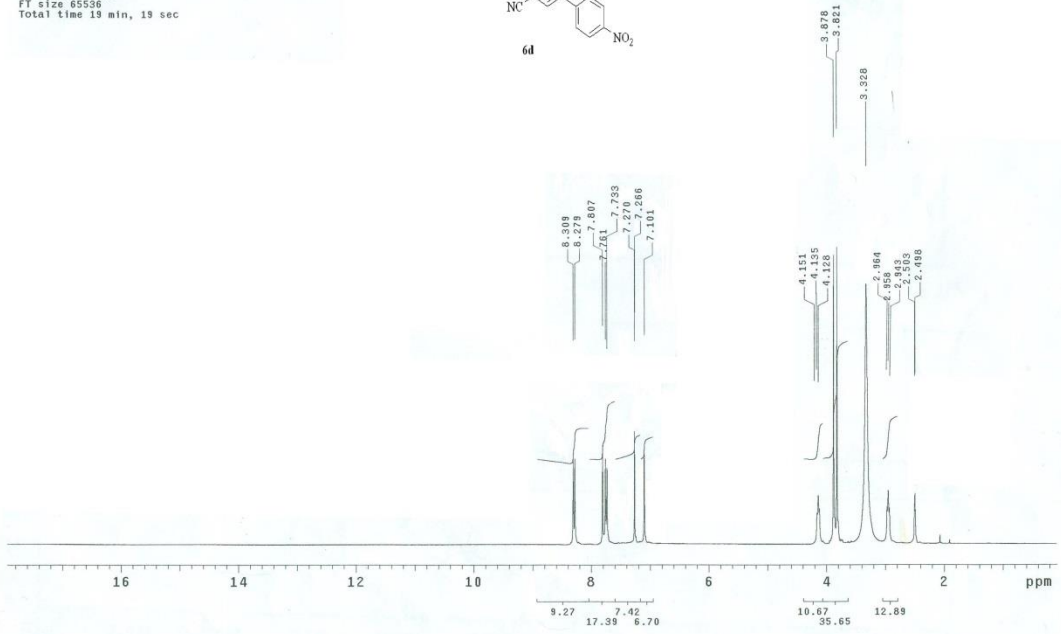
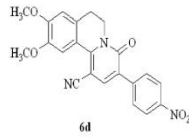
HamdyHassnen-R10-DMSO-H
Pulse Sequence: s2pu1
Solvent: DMSO
Temp. 30.0 C / 303.1 K
Mercury-300BB *NMRS00*

Relax. delay 1.000 sec
Pulse 74.1 degrees
Acq. time 4.004 sec
Width 8000.0 Hz
13 repetitions
OBSERVE H1, 300.0687875 MHz
DATA PROCESSING
FT size 65536
Total time 19 min, 19 sec



HamdyHassanen-R11-DMSO-H
Pulse Sequence: s2pu1
Solvent: DMSO
Temp: 30.0 C / 303.1 K
Mercury-300DB "MNR300"

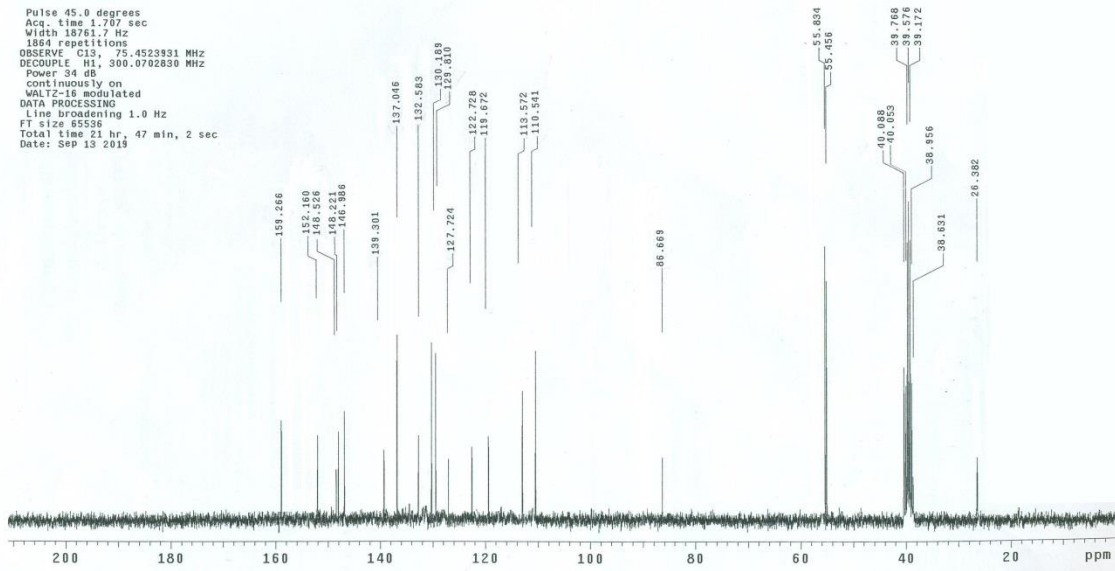
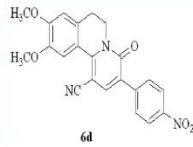
Relax. delay 1.000 sec
Pulse 74.1 degrees
Acq. time 4.004 sec
Width 8000.0 Hz
21 repetitions
OBSERVE H1: 300.0687875 MHz
DATA PROCESSING
FT size 65536
Total time 13 min, 19 sec



HandyHasaneen-R11-DMSO-C13
Archive directory: /export/home/vnmr1/vnmrsys/data
Sample directory: DD5mm_test_12Mar2014-21:34:40
File: PROT0N

Pulse Sequence: s2pul
Solvent: DMSO
Ambient temperature
Mercury-300BB "NMR300"

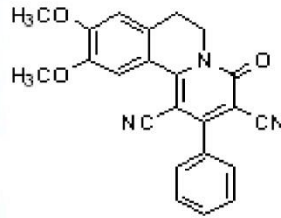
Pulse 45.0 degrees
Acq. time 1.707 sec
Width 18761.7 Hz
1864 repetitions
OBSERVE C13, 75.4523931 MHz
DECOUPLE H1, 300.0702830 MHz
Power 34 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 1.0 Hz
F1 size 65536
Total time 21 hr, 47 min, 2 sec
Date: Sep 13 2013



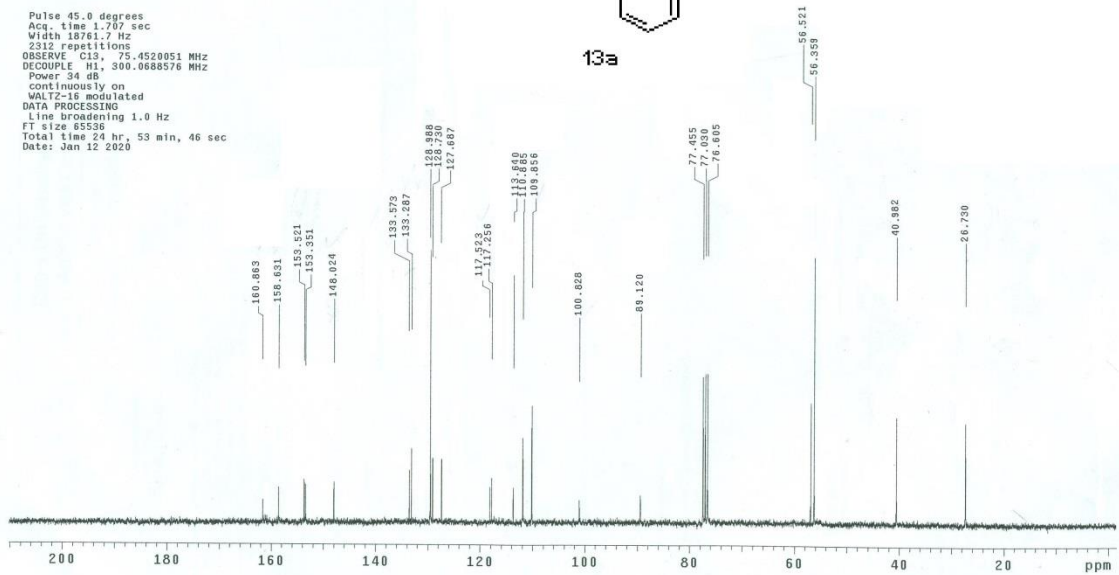
HamdyHasaneen-G1-CDC13-C13
Archive directory: /export/home/vnmr1/vnmrSYS/data
Sample directory: D05mm_test_12Mar2014-21:34:40
File: PROTON

Pulse Sequence: s2pul
Solvent: CDC13
Ambient temperature
Mercury-300BB "NMR300"

Pulse 45.0 degrees
Acq. time 1.707 sec
Width 18761.7 Hz
2312 repetitions
OBSERVE C13, 75.4520051 MHz
DECOUPLE H1, 300.0688576 MHz
Power 34 dB
Continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 1.0 Hz
FT size 65536
Total time 24 hr, 53 min, 46 sec
Date: Jan 12 2020



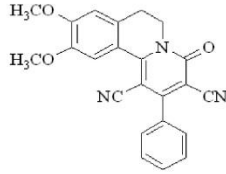
13a



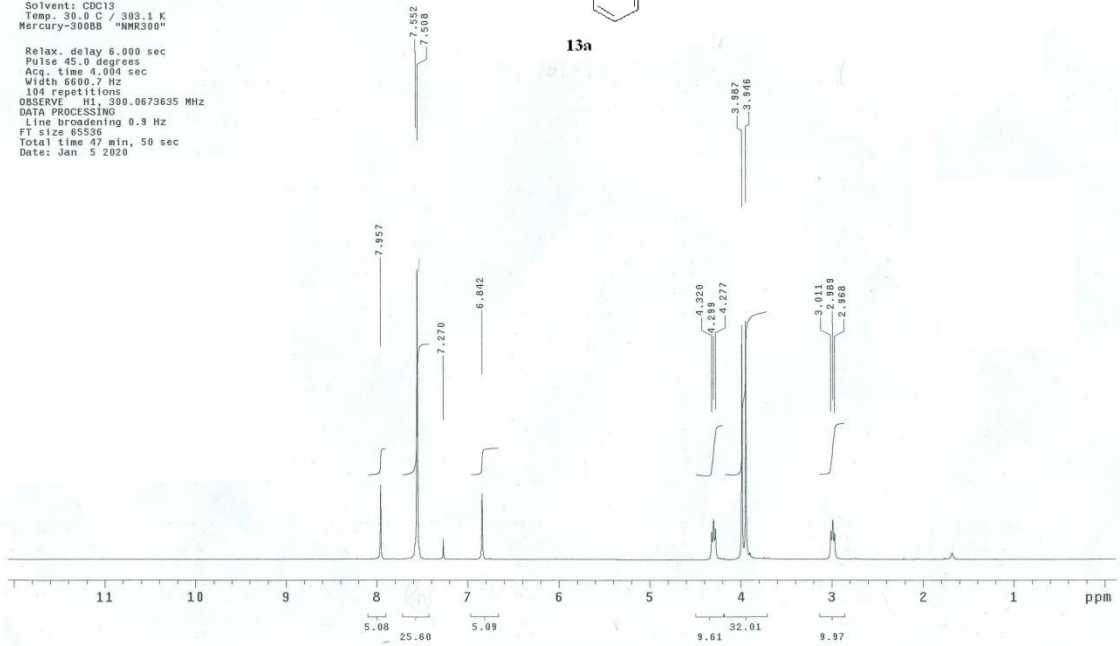
HandyHassanein-G1-CDC13-H1
Archive directory: /export/home/vnmr1/vnmrsys/data
Sample directory: DD5mm_test_12Mar2014-21:34:40
File: PR0TDN

Pulse Sequence: s2pul1
Solvents: CDC13
Temp: 30.0 C / 303.1 K
Mercury-300BB "NMR300"

Relax. delay 6.000 sec
Pulse 45.0 degrees
Acq. time 4.004 sec
Width 6600.7 Hz
104 repetitions
OBSERVE H1, 300.0673635 MHz
DATA PROCESSING
Line broadening 0.9 Hz
FT size 65536
Total time 47 min, 50 sec
Date: Jan 5 2020



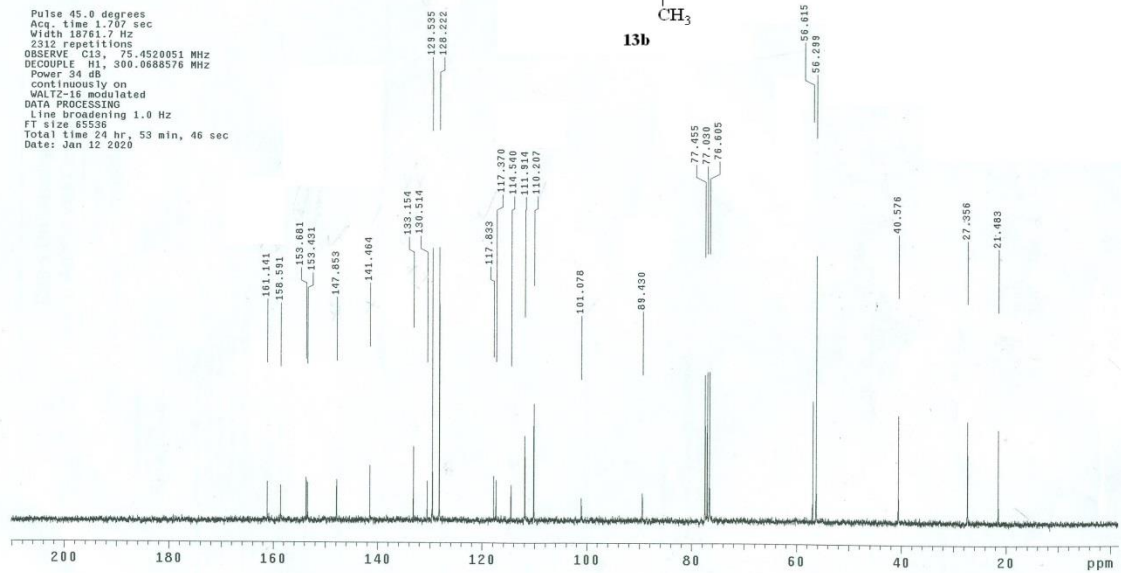
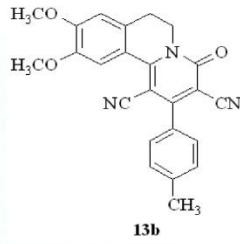
13a



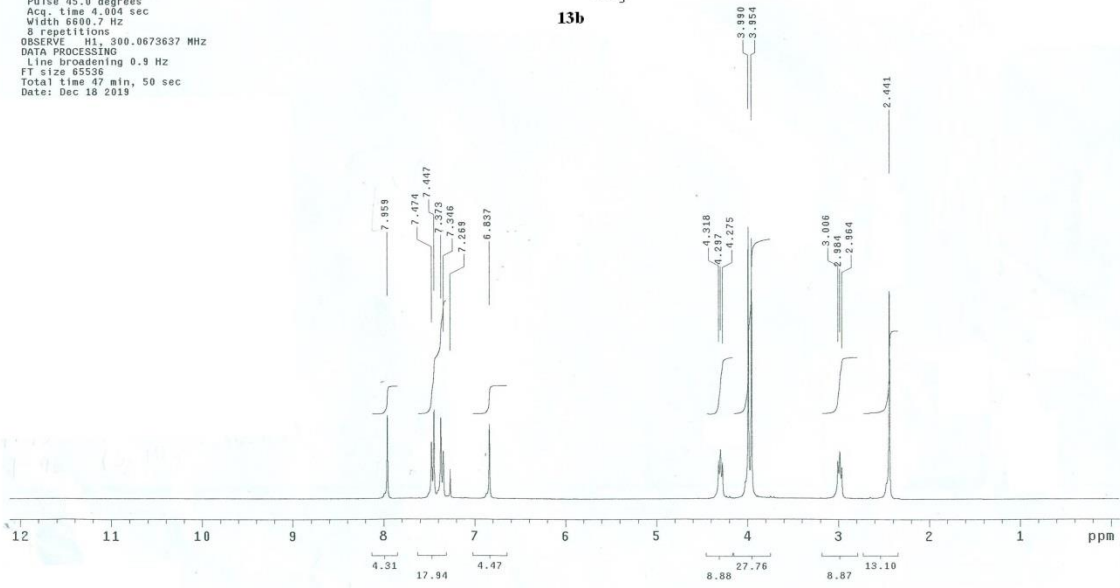
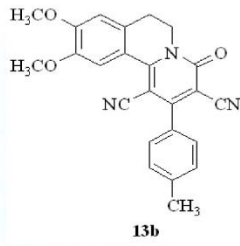
HamdyHasaneen-02-CDC13-C13
Archive directory: /export/home/vnmr1/vnmrSYS/data
Sample directory: DD5mm_test_12Mar2014-21:34:40
File: PROTON

Pulse Sequence: s2pul
Solvent: CDC13
Ambient temperature
Mercury-300BB "NMR300"

Pulse 45.0 degrees
Acq. time 1.707 sec
Width 18761.7 Hz
2312 repetitions
OBSERVE C13, 75.4520051 MHz
DECOUPLE H1, 300.0688576 MHz
Power 34 dB
Continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 1.0 Hz
FT size 65536
Total time 24 hr, 53 min, 46 sec
Date: Jan 12 2020



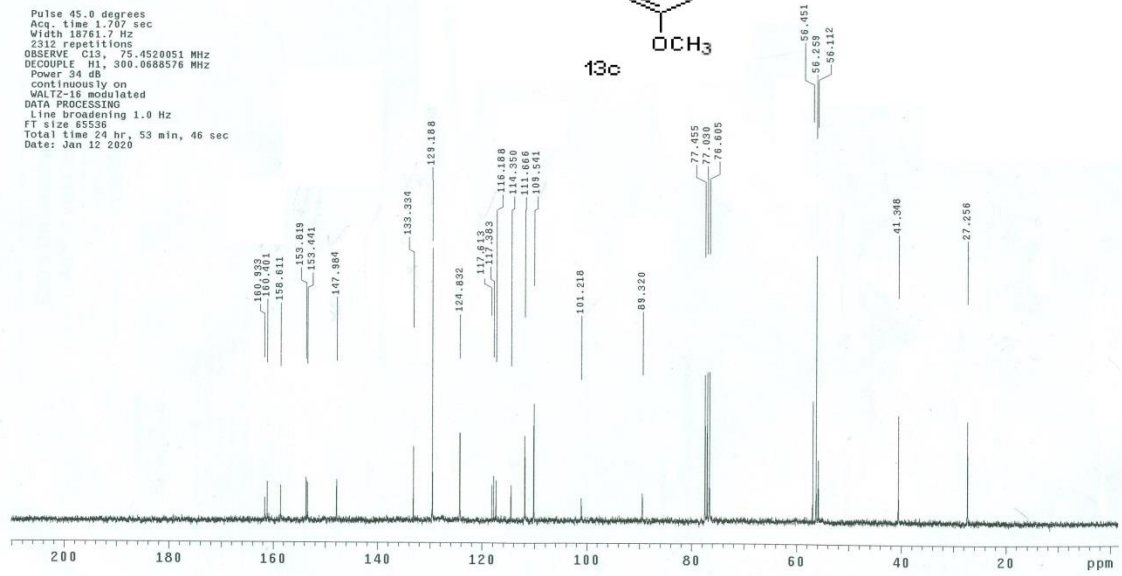
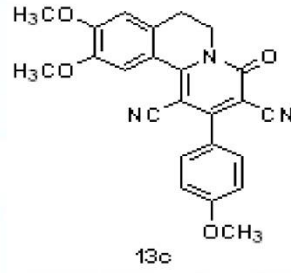
HamdyHasaneen-02-CDC13-H1
 Archive directory: /export/home/vnmr1/vnmrsys/data
 Sample directory: D05mm_test_12Mar2014-21:34:40
 File: PROTON
 Pulse Sequence: s2pu1
 Solvent: CDCl3
 Temp. 30.0 C / 303.1 K
 Mercury-300BB "NMR300"
 Relax. delay 6.000 sec
 Pulse 45.0 degrees
 Acq. time 4.004 sec
 Width 6600.7 Hz
 8 repetitions
 OBSERVE H1, 300.0673637 MHz
 DATA PROCESSING
 Line broadening 0.9 Hz
 FT size 65536
 Total time 47 min, 50 sec
 Date: Dec 18 2013



HamdyHasaneen-G3-CDC13-C13
Archive directory: /export/home/vnmr1/vnmrSYS/data
Sample directory: D05mm_test_12Mar2014-21:34:40
File: PROTON

Pulse Sequence: s2pul
Solvent: CDC13
Ambient temperature
Mercury-30086 "NMR300"

Pulse 45.0 degrees
Acq. time 1.707 sec
Width 18761.7 Hz
2312 repetitions
OBSERVE C13, 75.4520051 MHz
DECOUPLE H1, 300.0688576 MHz
Power 34 dB
Continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 1.0 Hz
FT size 65536
Total time 24 hr, 53 min, 46 sec
Date: Jan 12 2020

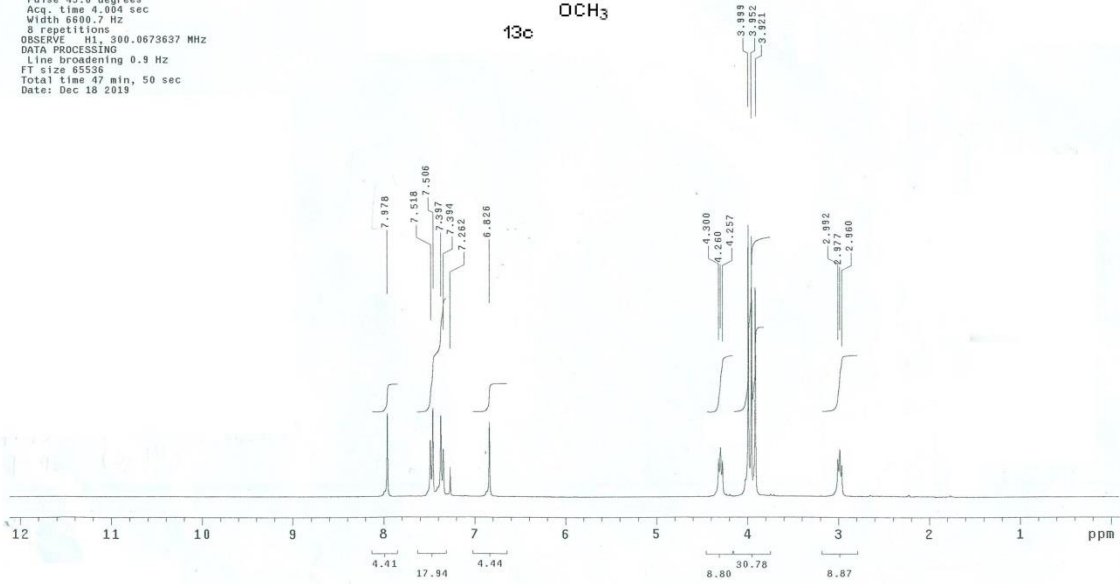
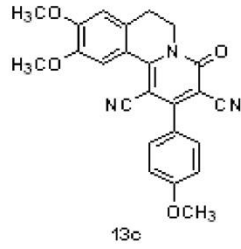


HamdyHasaneen-G3-CDC13-H1

Archive directory: /export/home/vnmr1/vnmrsys/data
Sample directory: D05mm_test_12Mar2014-21:34:40
File: PROTON

Pulse Sequence: s2pu1
Solvent: CDCl3
Temp. 30.0 C / 303.1 K
Mercury-300BB "NMR300"

Relax. delay 6.000 sec
Pulse 45.0 degrees
Acq. time 4.004 sec
Width 6600.7 Hz
8 repetitions
OBSERVE H1, 300.0673637 MHz
DATA PROCESSING
Line broadening 0.9 Hz
FT size 65536
Total time 47 min, 50 sec
Date: Dec 18 2013

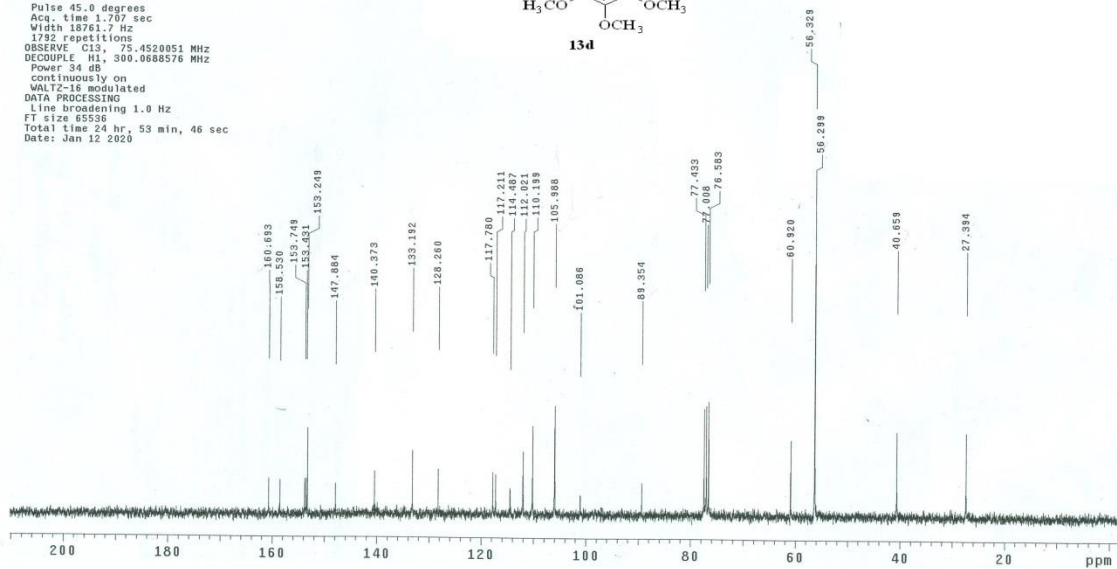
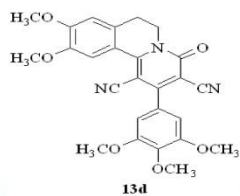


HamdyHasaneen-G8-CDC13-C13

Archive directory: /export/home/vnmr1/vnmrsys/data
Sample directory: DD5mm_test_12Mar2014-21:34:40
File: PROTON

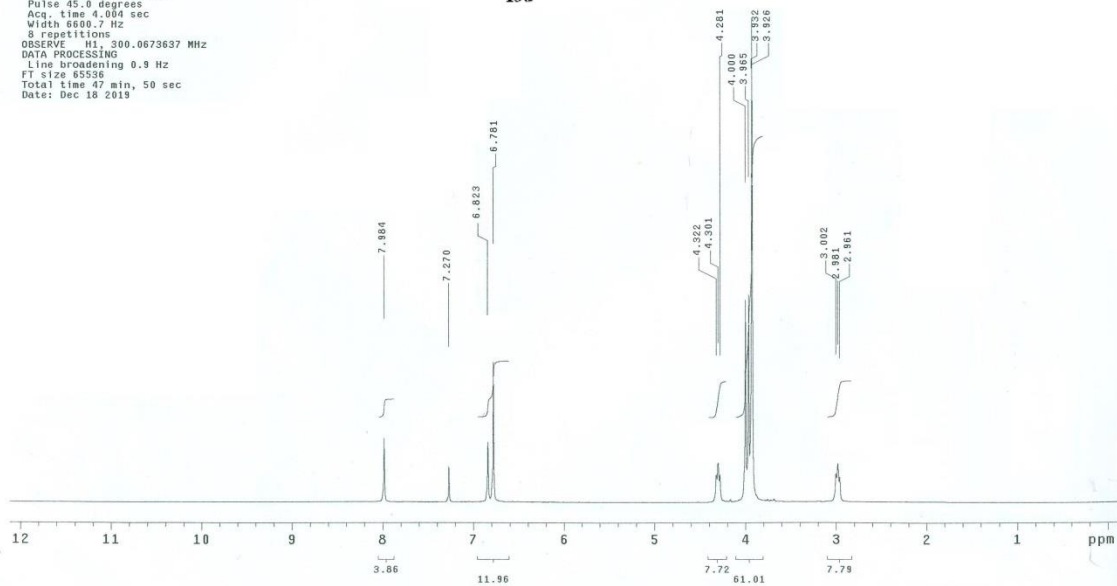
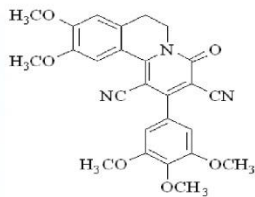
Pulse Sequence: s2pu1
Solvent: CDC13
Ambient temperature
Mercury-300BB "NMR300"

Pulse 45.0 degrees
Acq. time 1.747 sec
Width 18761.7 Hz
1792 repetitions
OBSERVE C13, 75.4520051 MHz
DECOUPLE H1, 300.0688576 MHz
Power 34 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 1.0 Hz
FT size 65536
Total time 24 hr, 53 min, 46 sec
Date: Jan 12 2020



HandyHasaneen-G8-CDC13-H1
Archive directory: /export/home/vnmr1/vnmrSYS/data
Sample directory: 0D5mm_test_12Mar2014-21:26:40
File: PROTON

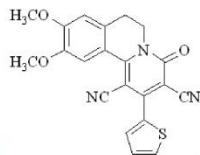
Pulse Sequence: s2pu1
Solvent: CDC13
Temp: 30.0 C / 303.1 K
Mercury-300B5 "NMR300"
Relax. delay 6.000 sec
Pulse 45.0 degrees
Acq. time 4.084 sec
Width 6600.7 Hz
8 repetitions
OBSERVE H1, 300.0673637 MHz
DATA PROCESSING
Line broadening 0.9 Hz
FT size 65536
Total time 47 min, 50 sec
Date: Dec 18 2019



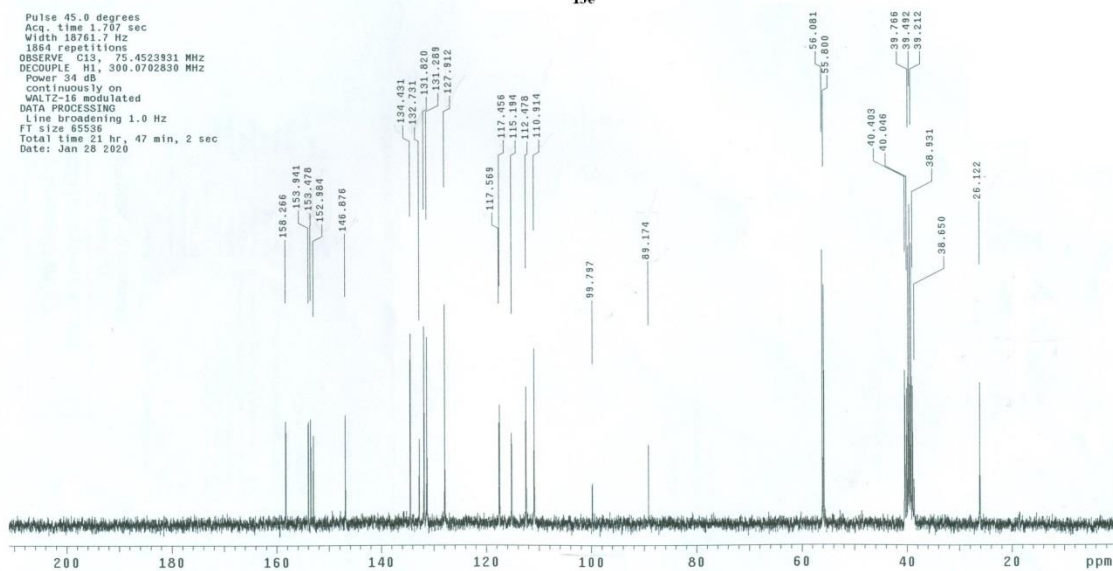
HamdyHasaneen-GS-DMSO-C13
Archive directory: /export/home/vnmr1/vnmrsys/data
Sample directory: D05mm_test_12Mar2014-21:34:40
File: PROTON

Pulse Sequence: s2pu1
Solvent: DMSO
Ambient temperature
Mercury-300BB "NMR300"

Pulse 45.0 degrees
Acq. time 1.707 sec
Width 18761.7 Hz
1864 repetitions
OBSERVE C13, 75.4523931 MHz
DECOUPLE H1, 300.0702830 MHz
Power 34 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 1.0 Hz
FT size 65536
Total time 21 hr, 47 min, 2 sec
Date: Jan 28 2020



13e

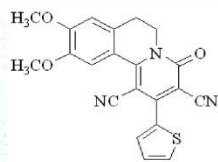


HamdyHasaneen-G5-DMSO-H1

Archive directory: /export/home/vnmr1/vnmrSYS/data
Sample directory: D05mm_test_12Mar2014-21:34:40
File: PROTON

Pulse Sequence: s2pu1
Solvent: DMSO
Temp: 30.0 C / 303.1 K
Mercury-300BB "NMR300"

Relax. delay 6.000 sec
Pulse 45.0 degrees
Acq. time 4.000 sec
Width 6600.7 Hz
62 repetitions
OBSERVE H1, 300.0687871 MHz
DATA PROCESSING
F1 size 65536
Total time 58 min, 55 sec
Date: Dec 31 2019



13e

