

Solvent and catalyst free ring expansion of indoles: A simple synthesis of highly functionalized benzazepines

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Supplementary Information

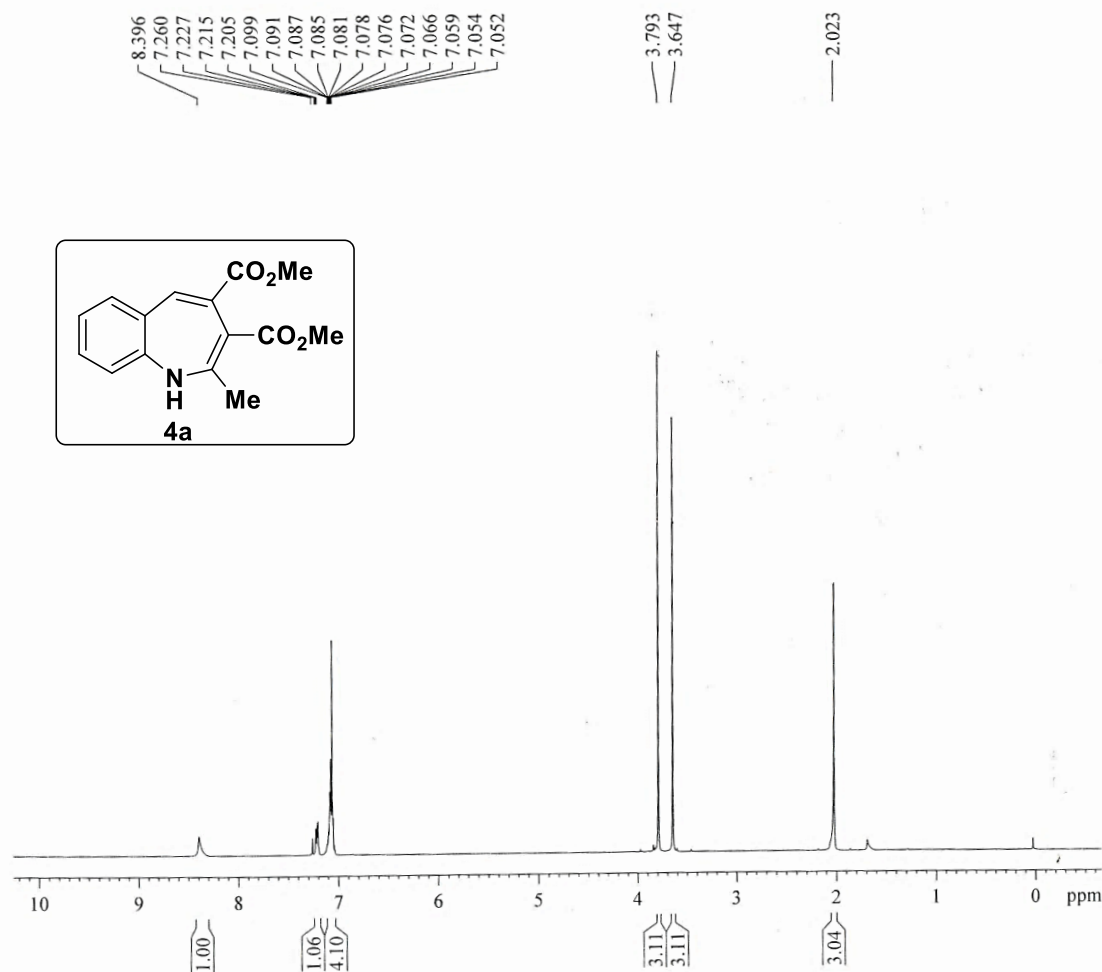
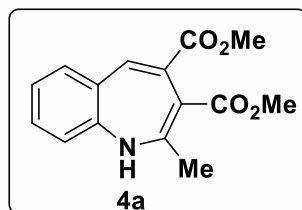
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1) ¹H, ¹³C NMR and ESI-HRMS spectra for the compounds **4a-z**, **4aa** & **5a-d**

S02-S94

1. ^1H , ^{13}C NMR and ESI-HRMS spectra for the compounds 4a-z, 4aa and 5a-d

PROTON CDCl3 {D:\MB} KOPAL 1



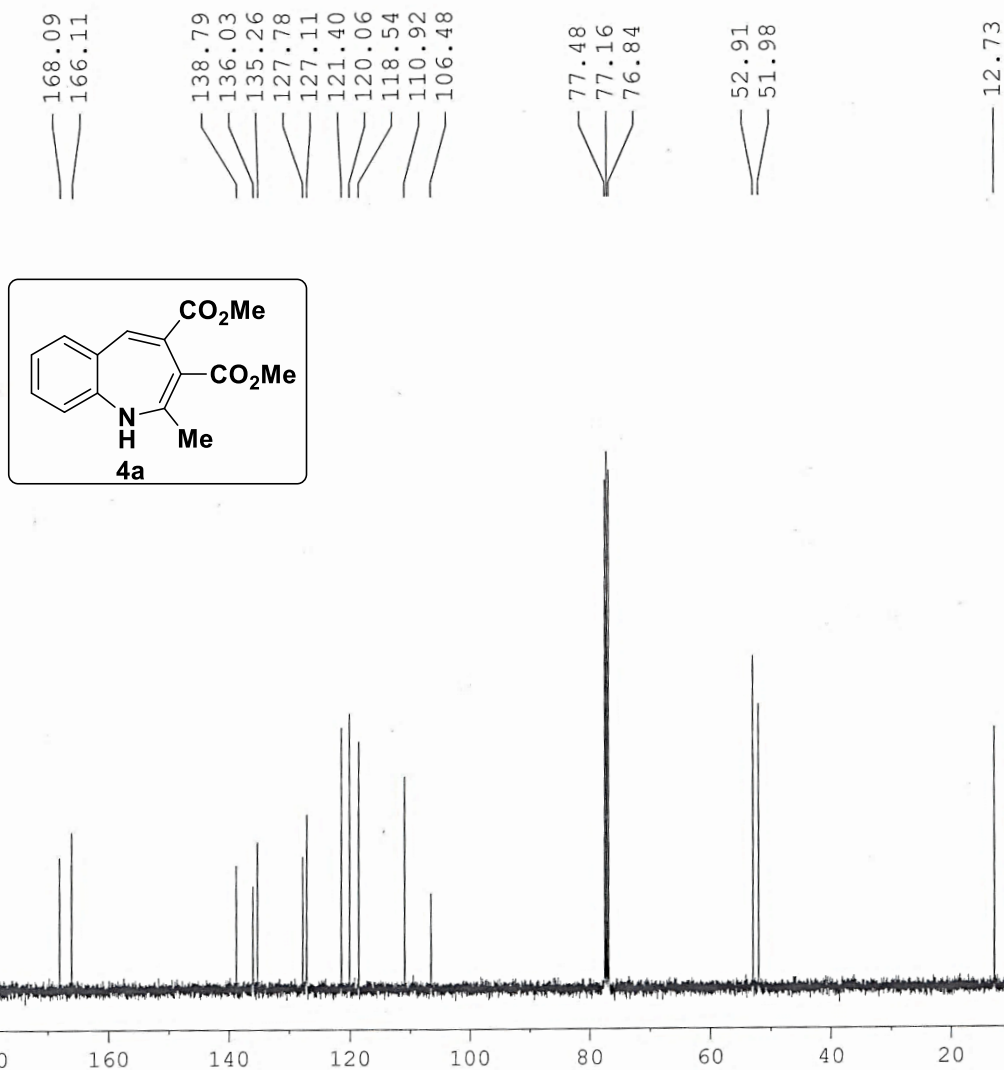
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PROCNO 1

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Date 20140528
Time 12.03
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PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 80.6
DW 60.800 usec
DE 6.00 usec
TE 295.0 K
D1 1.00000000 sec
TD0 1

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NUC1 1H
P1 11.42 usec
PL1 -3.00 dB
SFO1 400.1324710 MHz

F2 - Processing parameters
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SF 400.1300053 MHz
WDW EM
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C13CPD CDCl3 {D:\MB} KOPAL 1



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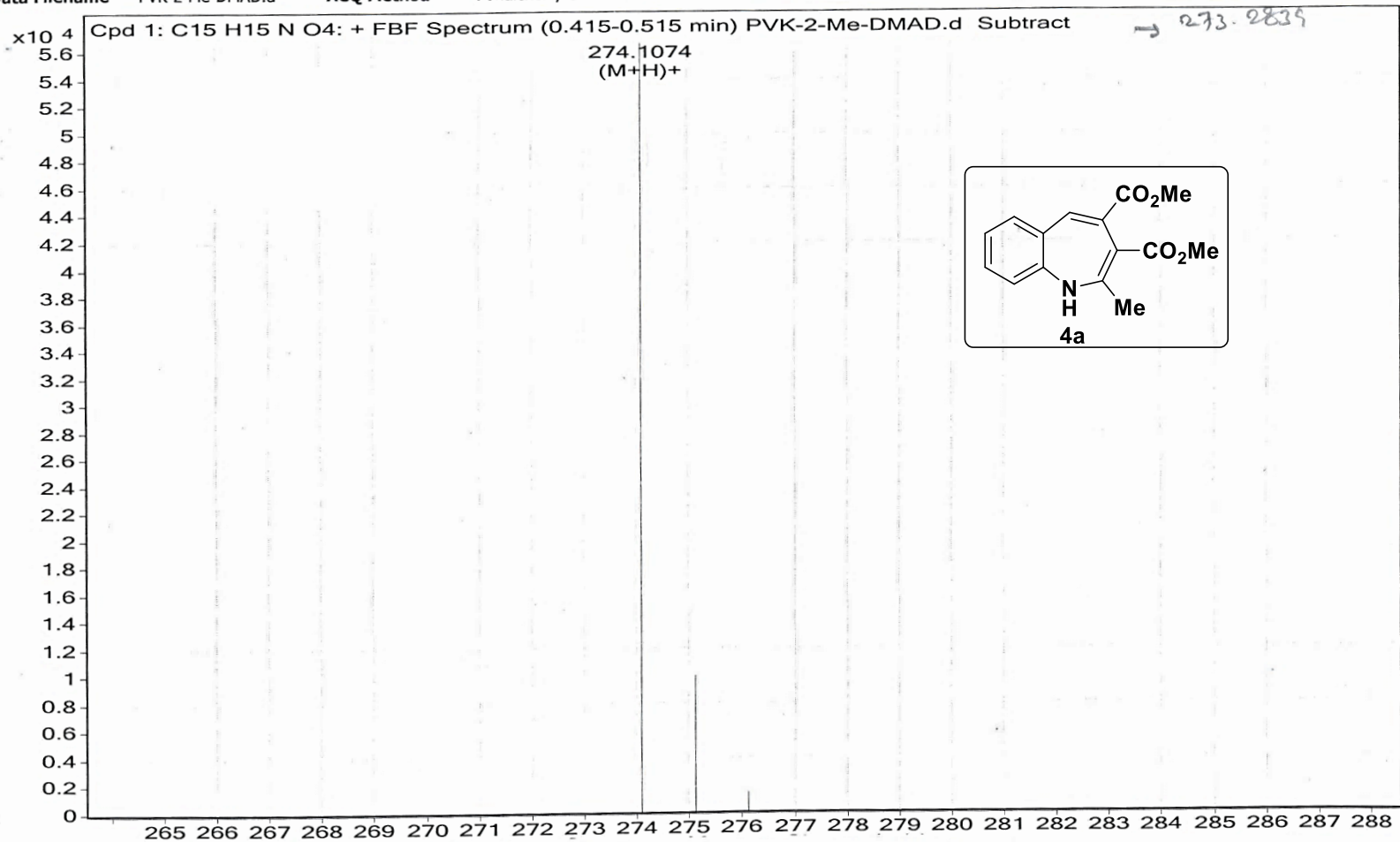
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 FIDRES 0.366798 Hz
 AQ 1.3631988 sec
 RG 32
 DW 20.800 usec
 DE 6.00 usec
 TE 295.7 K
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 d11 0.03000000 sec
 DELTA 1.89999998 sec
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===== CHANNEL f1 =====
 NUC1 13C
 P1 9.15 usec
 PL1 0.00 dB
 SFO1 100.6228298 MHz

===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 90.00 usec
 PL12 14.90 dB
 PL13 14.90 dB
 PL2 -3.00 dB
 SFO2 400.1316005 MHz

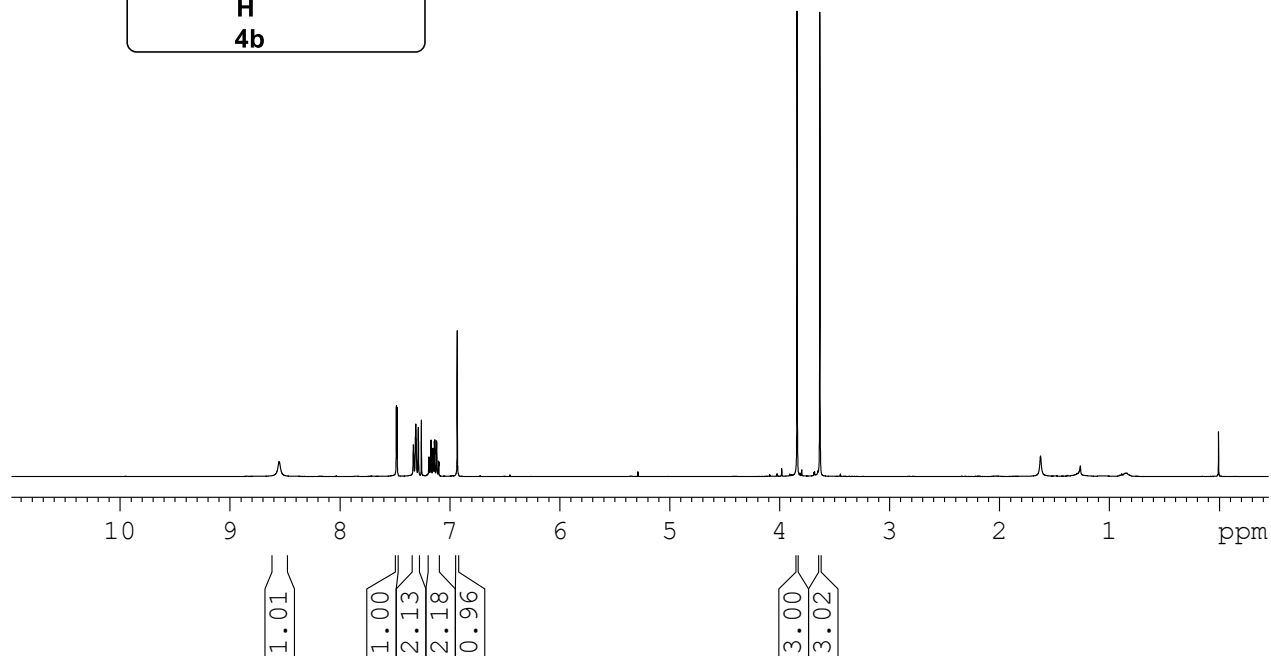
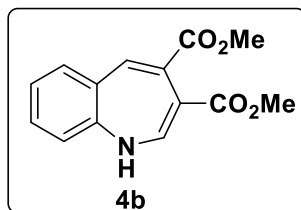
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PROTON CDC13 {D:\MB} KOPAL 1

8.551
7.488
7.481
7.333
7.313
7.311
7.290
7.288
7.260
7.193
7.190
7.175
7.172
7.156
7.152
7.141
7.138
7.122
7.119
7.104
7.101
6.934
3.842
3.634



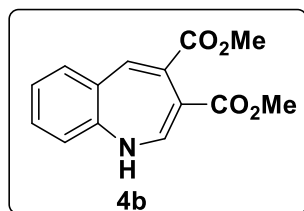
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PULPROG zg30
TD 65536
SOLVENT CDC13
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 181
DW 60.800 usec
DE 6.00 usec
TE 297.5 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.42 usec
PL1 -3.00 dB
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300051 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

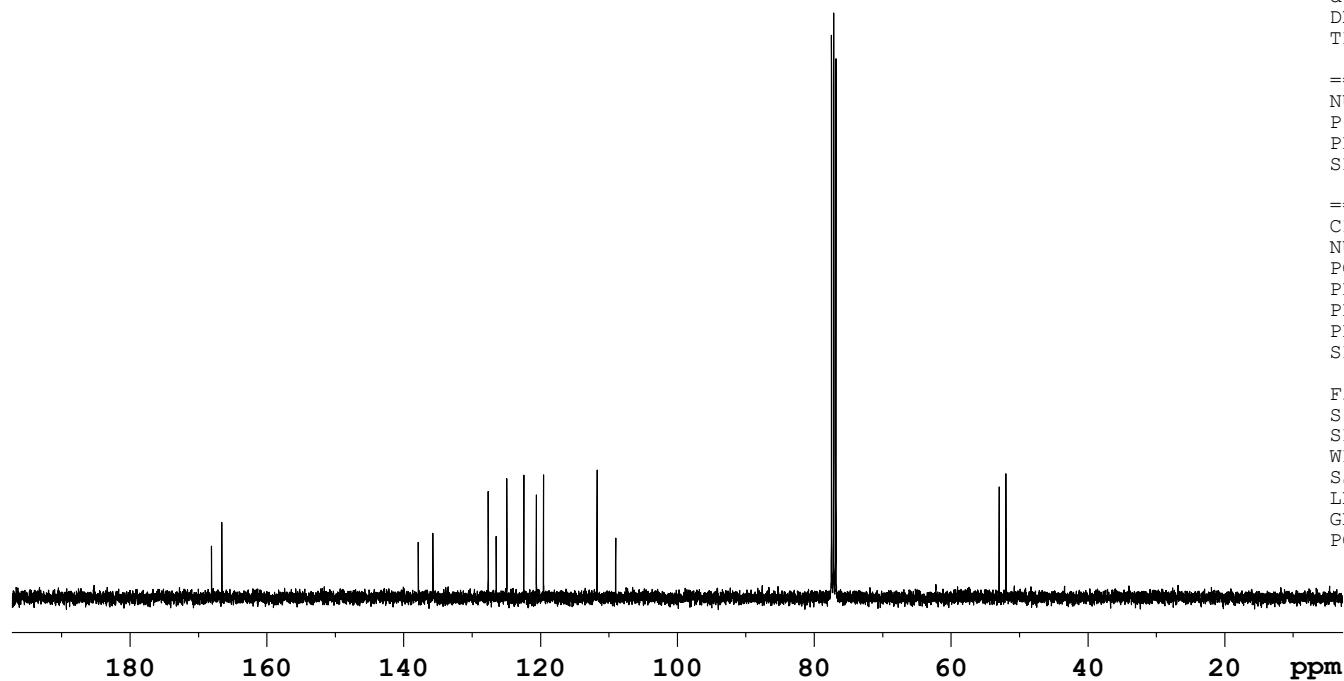


168.12
166.62

137.88
135.77
127.67
126.50
124.95
122.46
120.63
119.58
111.75
109.03

77.48
77.16
76.84

52.96
51.99



Current Data Parameters
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EXPNO 2
PROCNO 1

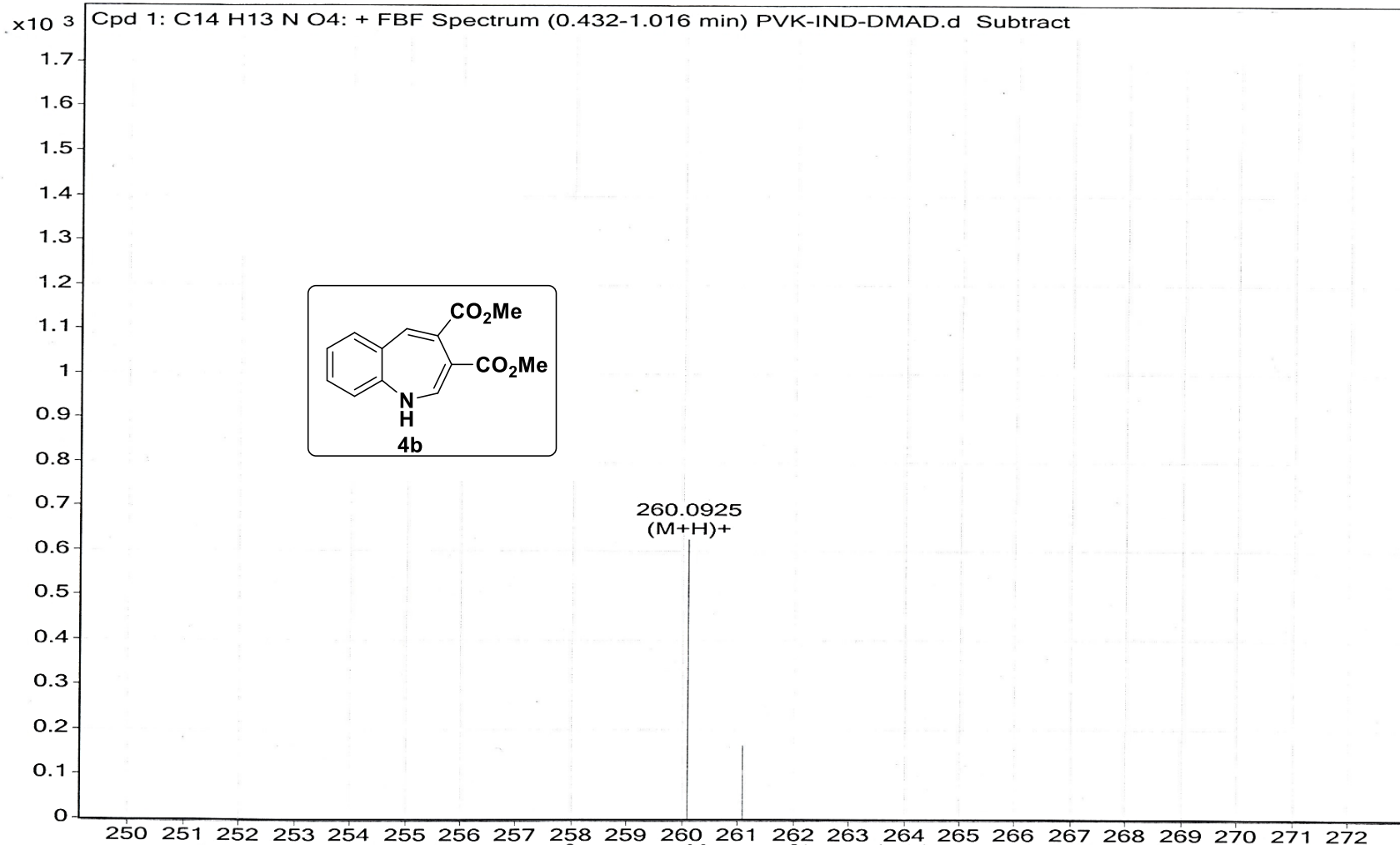
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PROBHD 5 mm DUL 13C-1
PULPROG zgpg30
TD 65536
SOLVENT CDC13
NS 100
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 28.5
DW 20.800 usec
DE 6.00 usec
TE 298.2 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TD0 1

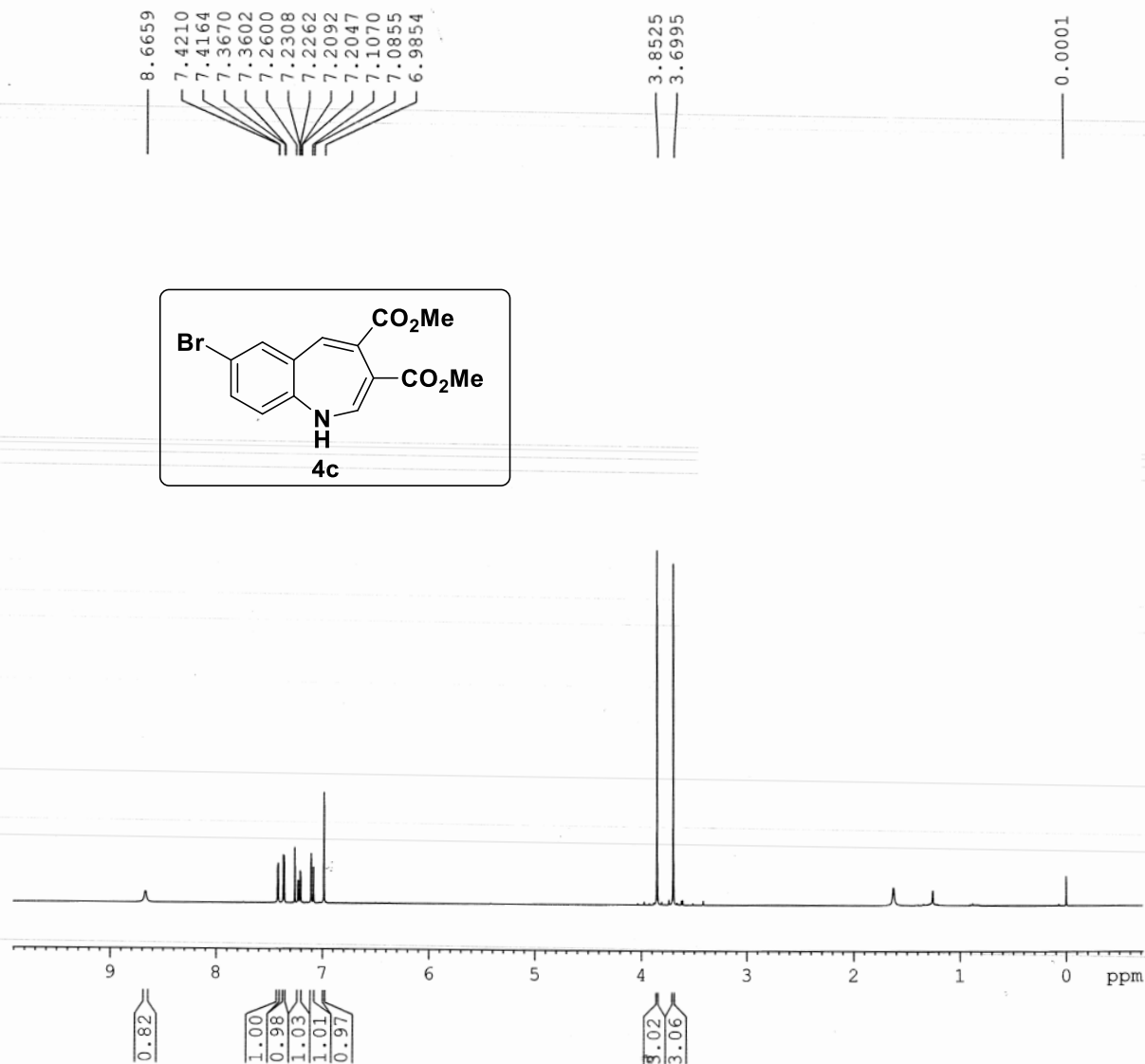
===== CHANNEL f1 =====
NUC1 13C
P1 9.15 usec
PL1 0.00 dB
SFO1 100.6228298 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL12 14.90 dB
PL13 14.90 dB
PL2 -3.00 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127553 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Sample Name	PVK-IND-DMAD	Position		Instrument Name	Q-TOF	User Name	QTOF-PU\admin
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	PVK-IND-DMAD.d	ACQ Method	Pondicherry Universi	Comment	PVK-MB-259.2573	Acquired Time	23-12-2014 12:04:





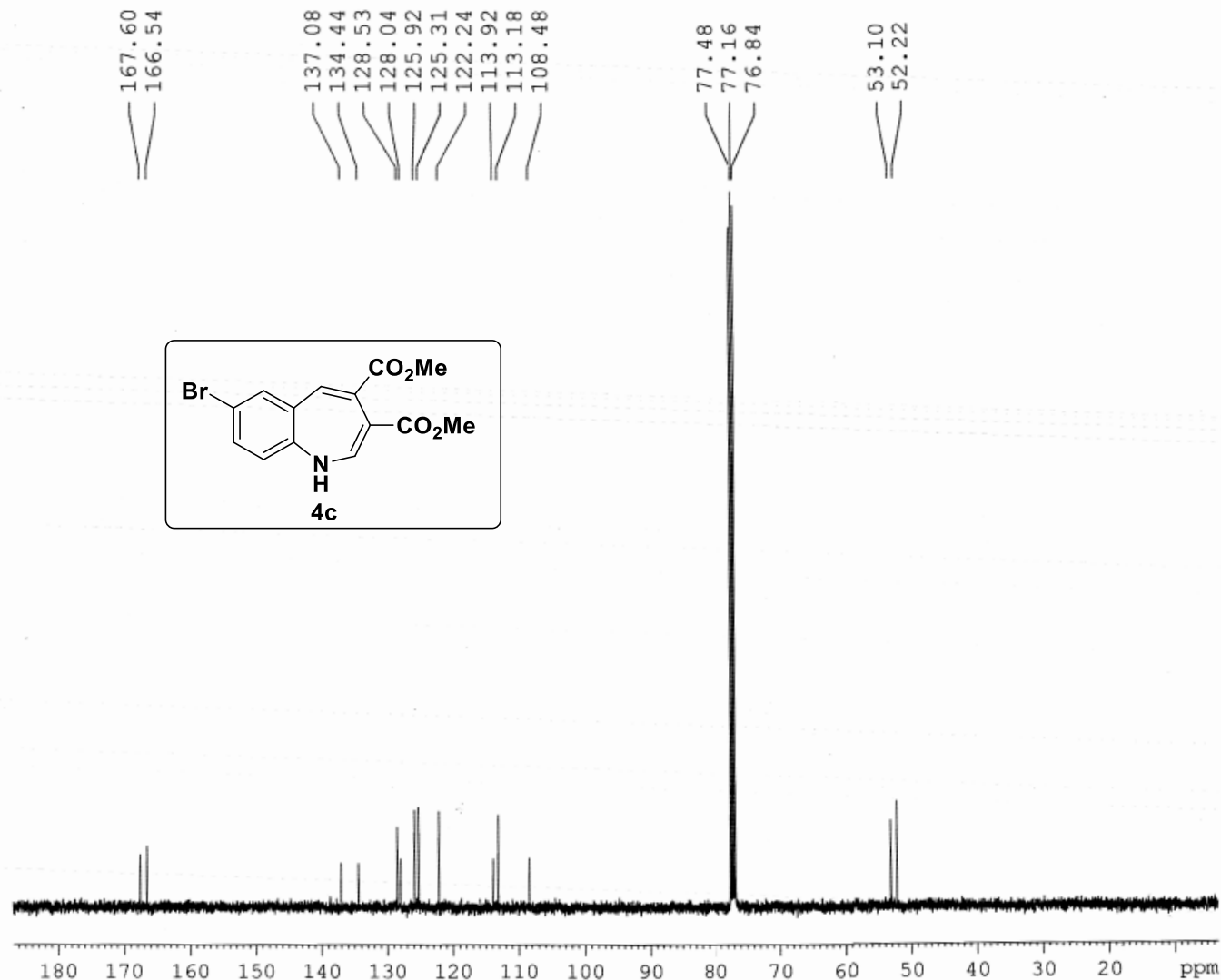
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 Time 15.45
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 PROBHD 5 mm DUL 13C-1
 PULPROG zg30
 TD 65536
 SOLVENT CDC13
 NS 32
 DS 2
 SWH 8223.685 Hz
 FIDRES 0.125483 Hz
 AQ 3.9846387 sec
 RG 161
 DW 60.800 usec
 DE 6.00 usec
 TE 294.5 K
 D1 1.00000000 sec
 TD0 1

===== CHANNEL f1 =====
 NUC1 1H
 P1 11.42 usec
 PL1 -3.00 dB
 SFO1 400.1324710 MHz

F2 - Processing parameters
 SI 32768
 SF 400.1300051 MHz
 WDW EM
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 PC 1.00

13CPD CDC13 {D:\MB} KOPAL 1



Current Data Parameters
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EXPNO 3
PROCNO 1

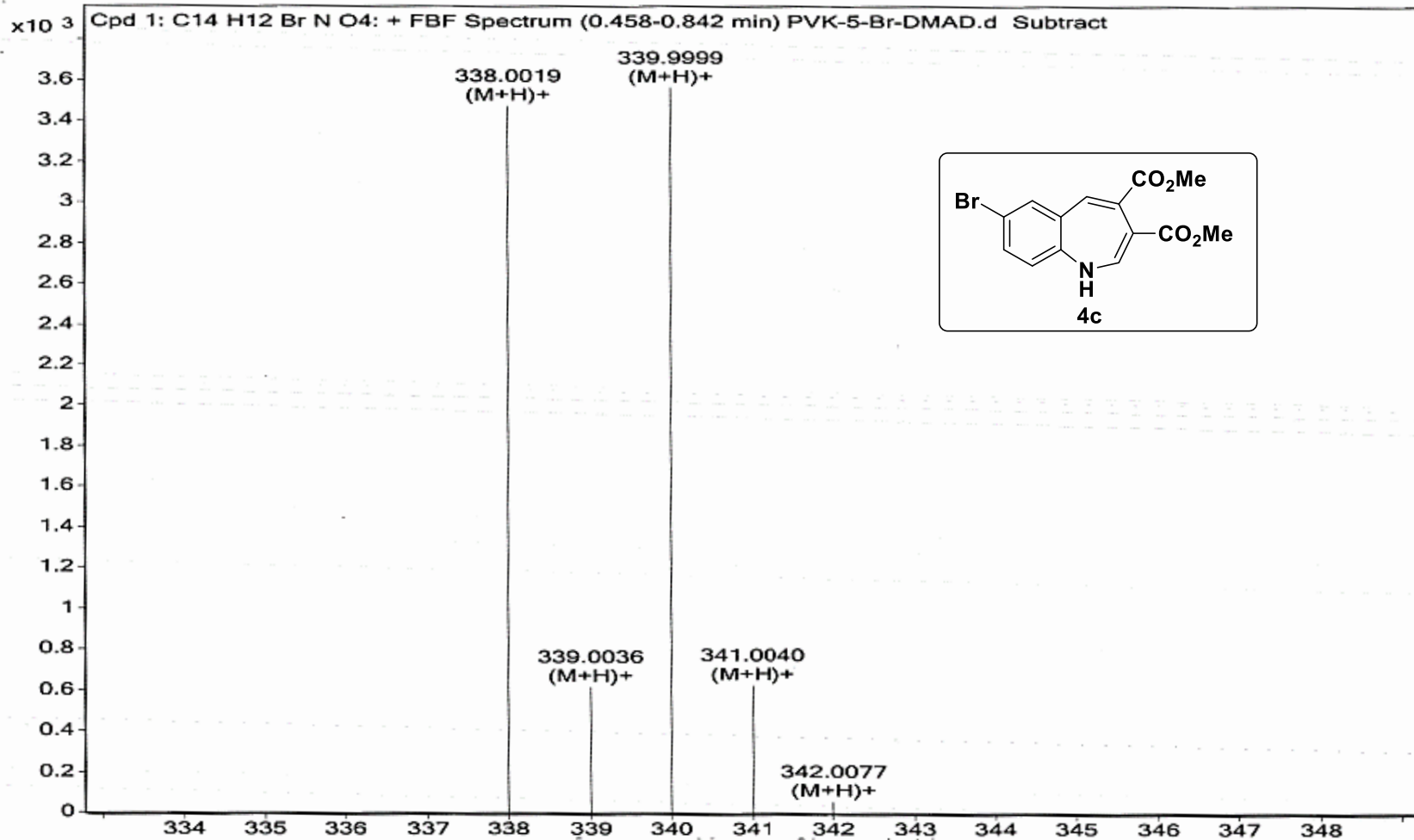
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Time 15.49
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zgpg30
TD 65536
SOLVENT CDC13
NS 160
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 50.8
DW 20.800 usec
DE 6.00 usec
TE 295.2 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.15 usec
PL1 0.00 dB
SFO1 100.6228298 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL12 14.90 dB
PL13 14.90 dB
PL2 -3.00 dB
SFO2 400.1316005 MHz

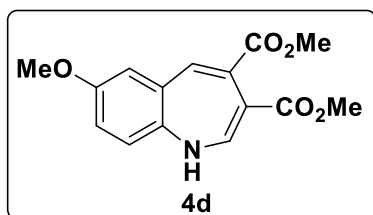
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PC 1.40

Sample Name	PVK-5-Br-DMAD	Position		Instrument Name	Q-TOF	User Name	QTOF-PU\admin
Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
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8.673
7.350
7.343
7.260
7.110
7.088
6.906
6.816
6.810
6.794
6.788
6.745
6.739

3.842
3.796
3.652

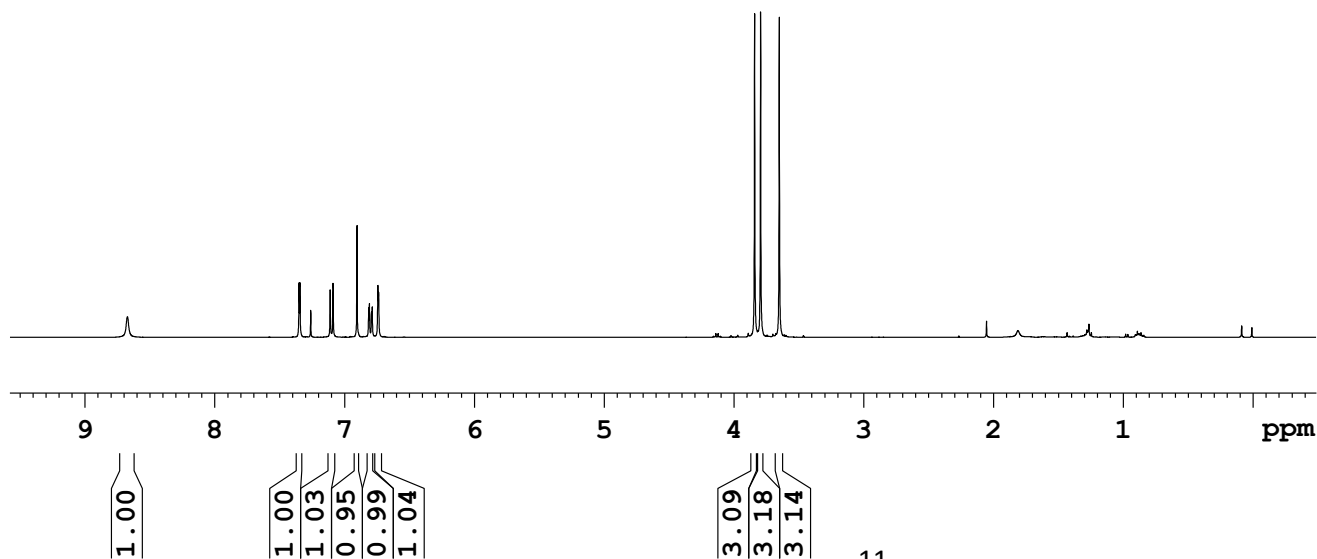


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NAME TTR-PVK-5OMe-IND
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20180830
Time 15.03
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 128
DW 60.800 usec
DE 6.00 usec
TE 294.4 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 14.35 usec
PL1 -1.00 dB
SFO1 400.1324710 MHz

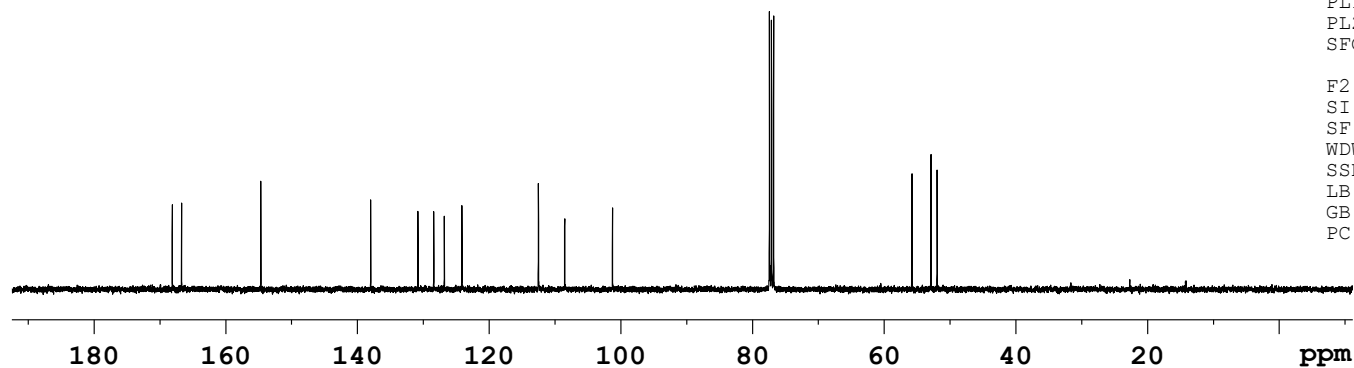
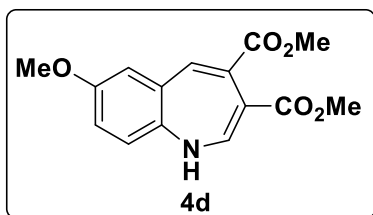
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SF 400.1300045 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



168.17
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154.74
138.04
130.86
128.46
126.86
124.18
112.57
112.55
108.57
101.31

77.48
77.16
76.84

55.81
52.94
52.00



Current Data Parameters
NAME TTR-PVK-5OMe-IND
EXPNO 2
PROCNO 1

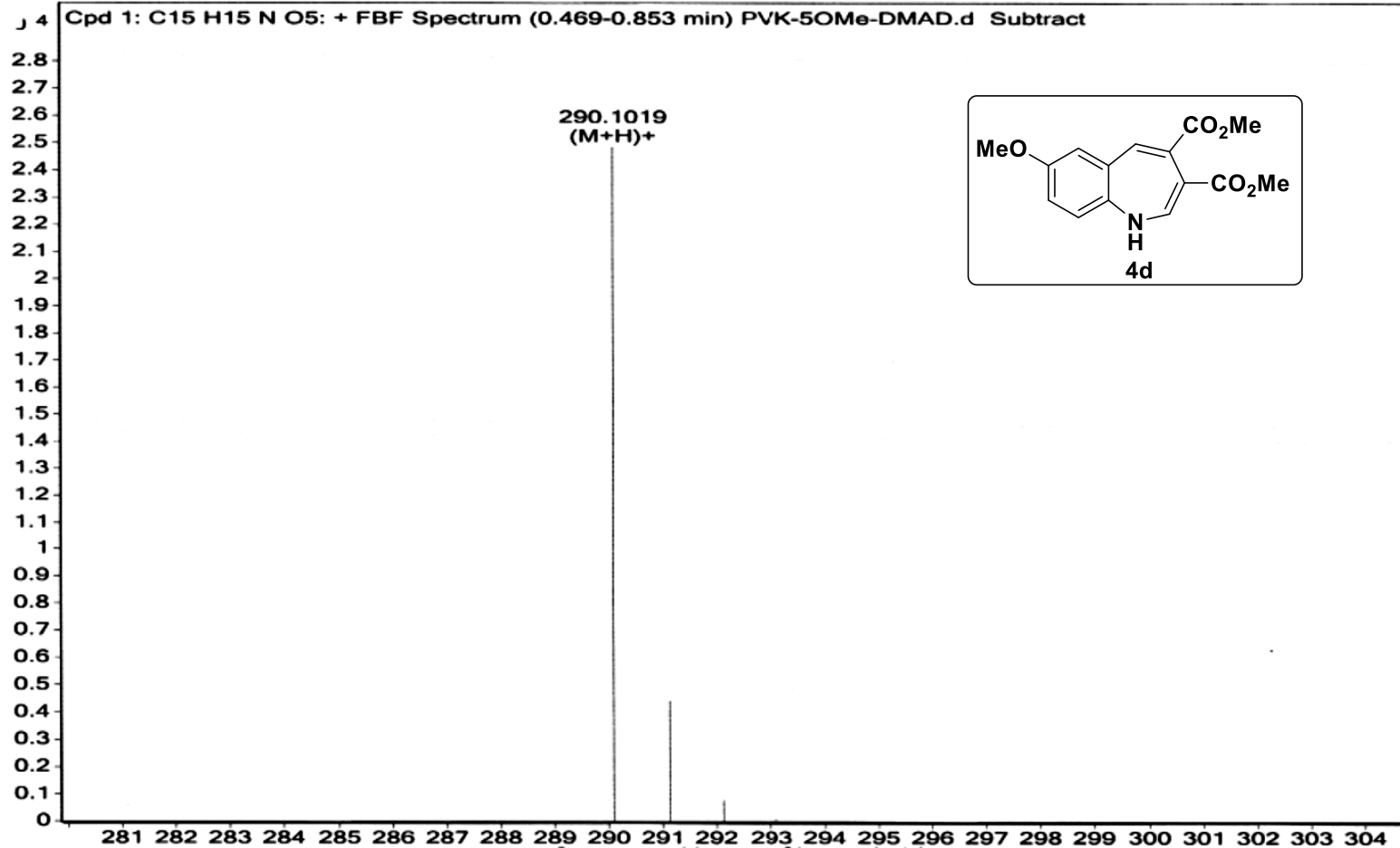
F2 - Acquisition Parameters
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Time_ 12.10
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 256
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 45.2
DW 20.800 usec
DE 6.00 usec
TE 296.4 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.95 usec
PL1 -1.00 dB
SFO1 100.6228298 MHz

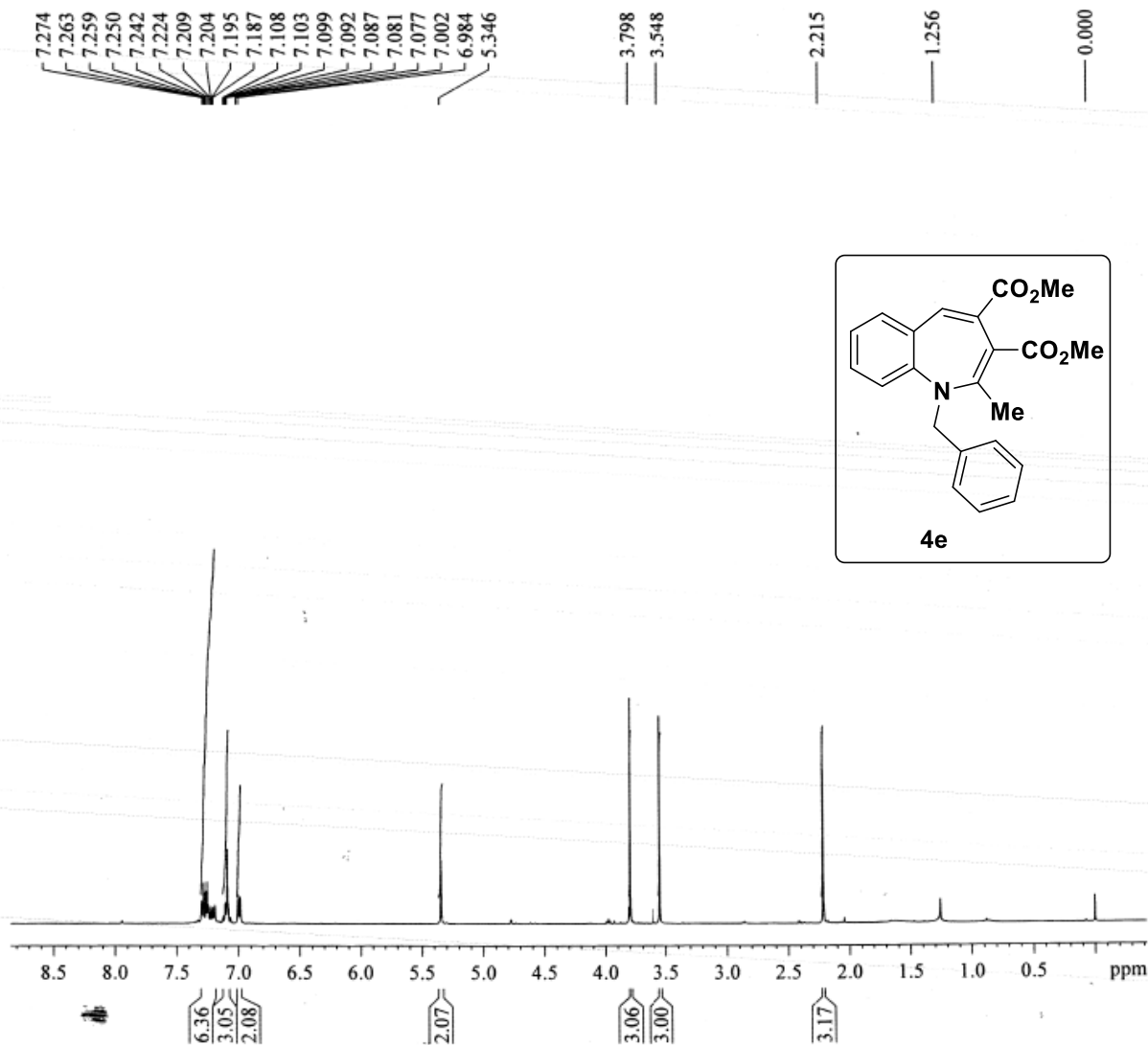
===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL12 14.95 dB
PL13 120.00 dB
PL2 -1.00 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127608 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Sample Name	Position	InjPosition	ACQ Method	Instrument Name	SampleType	Comment	Q-TOF	User Name	IRM Calibration Status	Acquired Time
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PVK-5OMe-DMAD.d							Sample			
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PROTON CDC13 {D:\MB} KOPAL 1



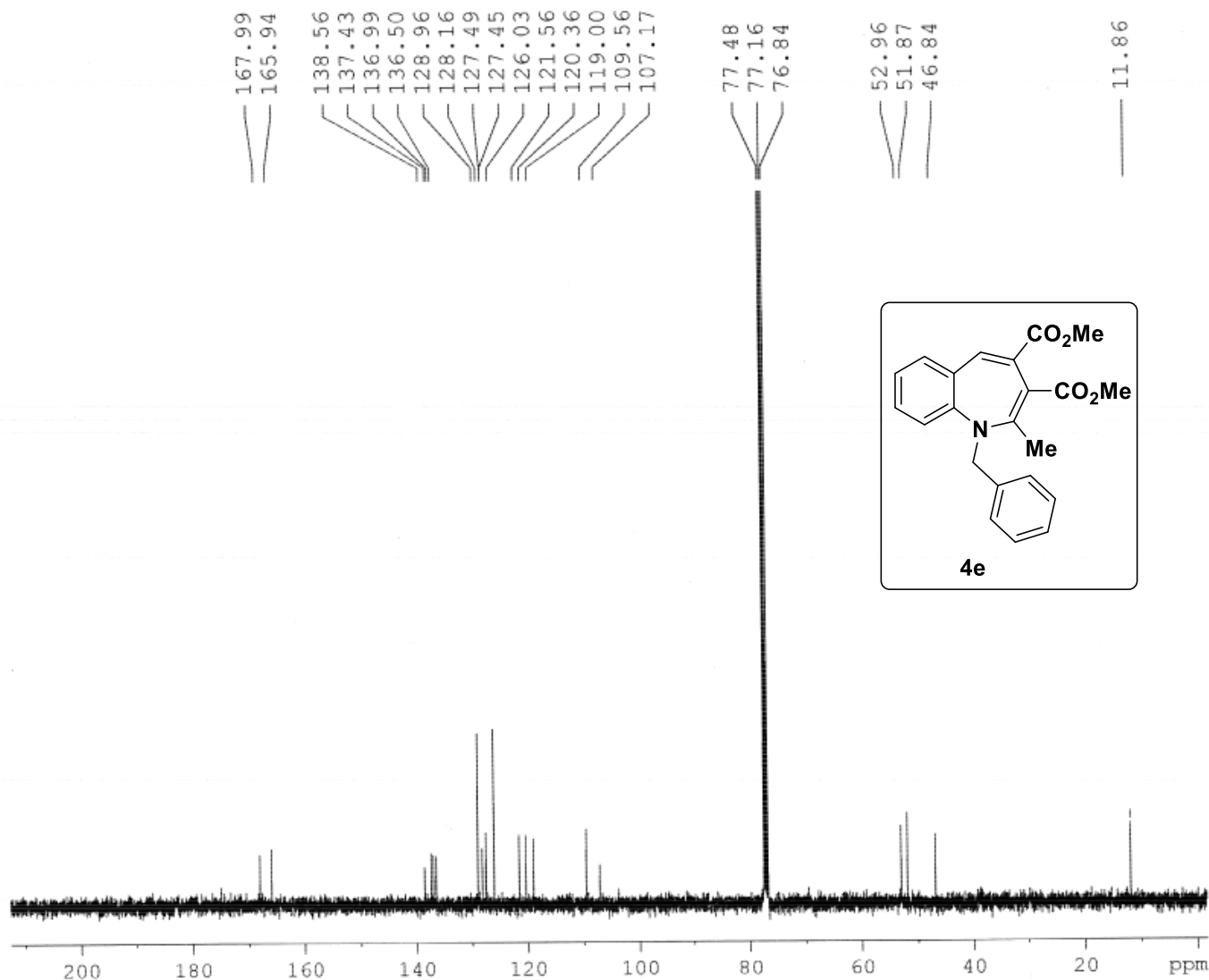
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 PULPROG zg30
 TD 65536
 SOLVENT CDC13
 NS 16
 DS 2
 SWH 8223.685 Hz
 FIDRES 0.125483 Hz
 AQ 3.9846387 sec
 RG 144
 DW 60.800 usec
 DE 6.00 usec
 TE 296.0 K
 D1 1.00000000 sec
 TD0 1

===== CHANNEL f1 =====
 NUC1 1H
 P1 11.42 usec
 PL1 -3.00 dB
 SFO1 400.1324710 MHz

F2 - Processing parameters
 SI 32768
 SF 400.1300089 MHz
 WDW EM
 SSB 0
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 GB 0
 PC 1.00

.13CPD CDC13 {D:\MB} KOPAL 1



Current Data Parameters
NAME FVK-382
EXPNO 7
PROCNO 1

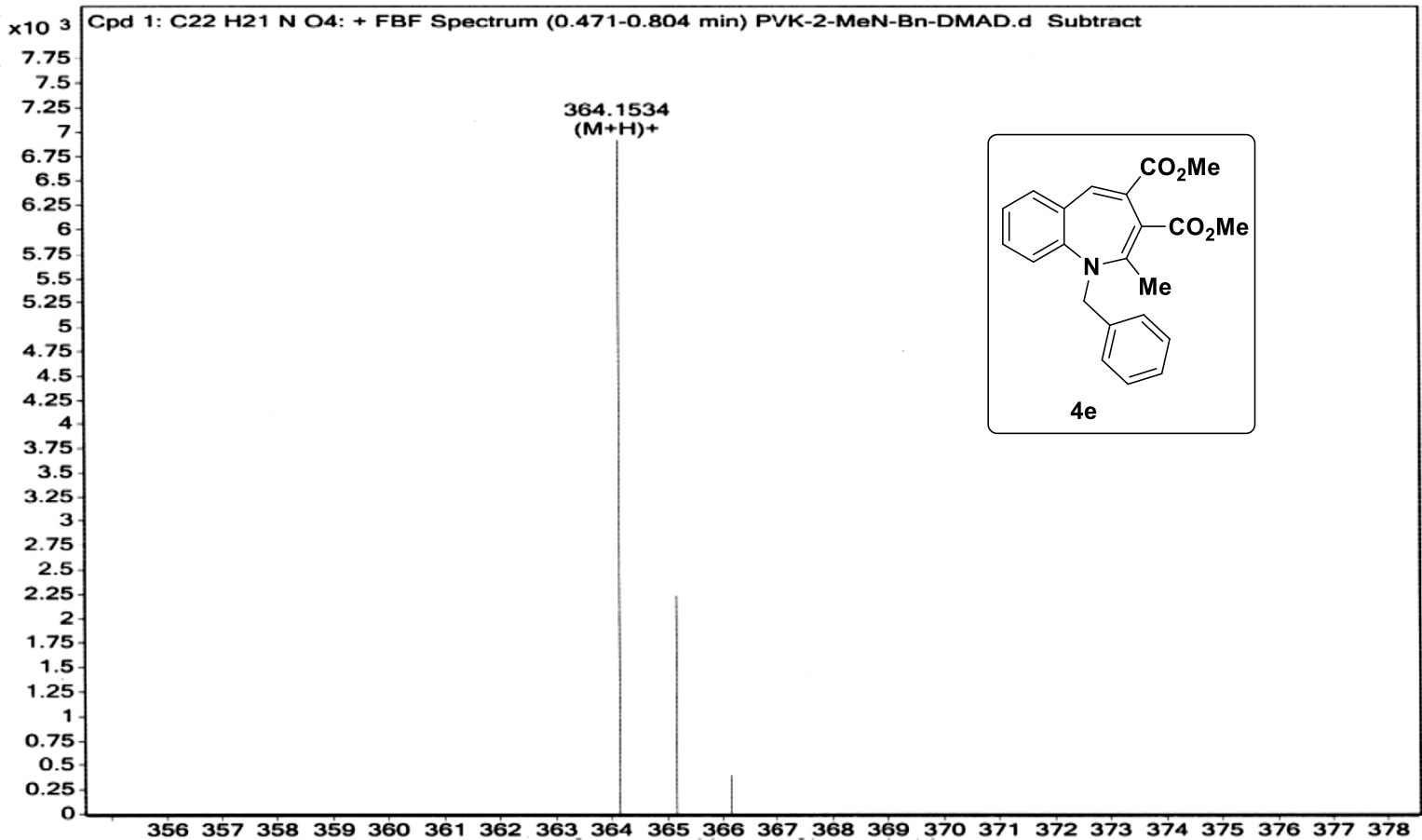
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Time 10.46
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PULPROG zgpg30
TD 65536
SOLVENT CDC13
NS 256
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 114
DW 20.800 usec
DE 6.00 usec
TE 296.1 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TD0 1

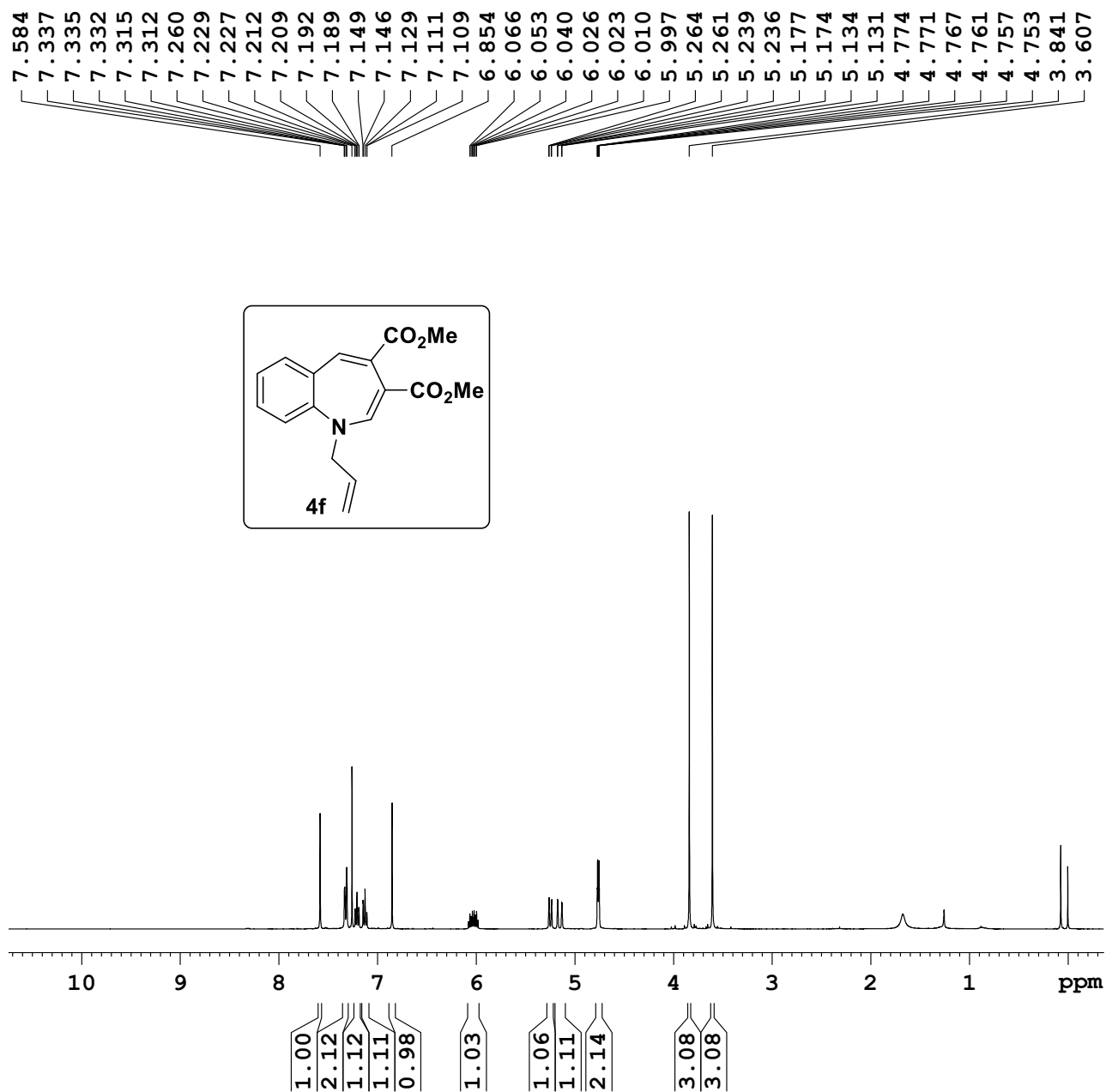
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NUC1 13C
P1 9.15 usec
PL1 0.00 dB
SFO1 100.6228298 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL12 14.90 dB
PL13 14.90 dB
PL2 -3.00 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127552 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

e Name	PVK-2-MeN-Bn-DMAD	Position		Instrument Name	Q-TOF	User Name	QTOF-PU\admin
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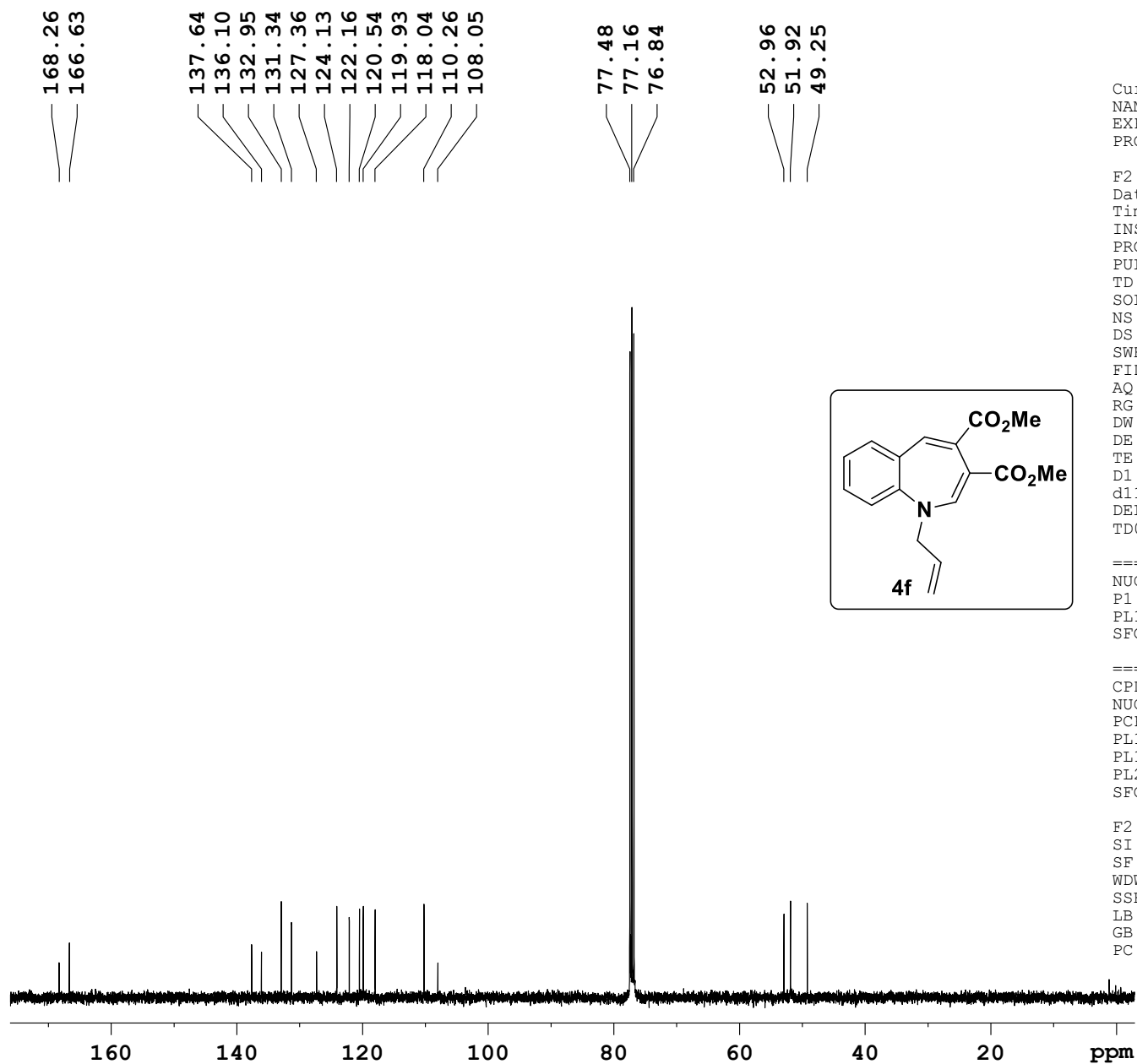


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 PROBHD 5 mm BBO BB-1H
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 8223.685 Hz
 FIDRES 0.125483 Hz
 AQ 3.9846387 sec
 RG 287
 DW 60.800 usec
 DE 6.00 usec
 TE 295.2 K
 D1 1.00000000 sec
 TD0 1

===== CHANNEL f1 =====
 NUC1 1H
 P1 14.35 usec
 PL1 -1.00 dB
 SFO1 400.1324710 MHz

F2 - Processing parameters
 SI 32768
 SF 400.1300046 MHz
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 SSB 0
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 GB 0
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Current Data Parameters
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 EXPNO 3
 PROCNO 1

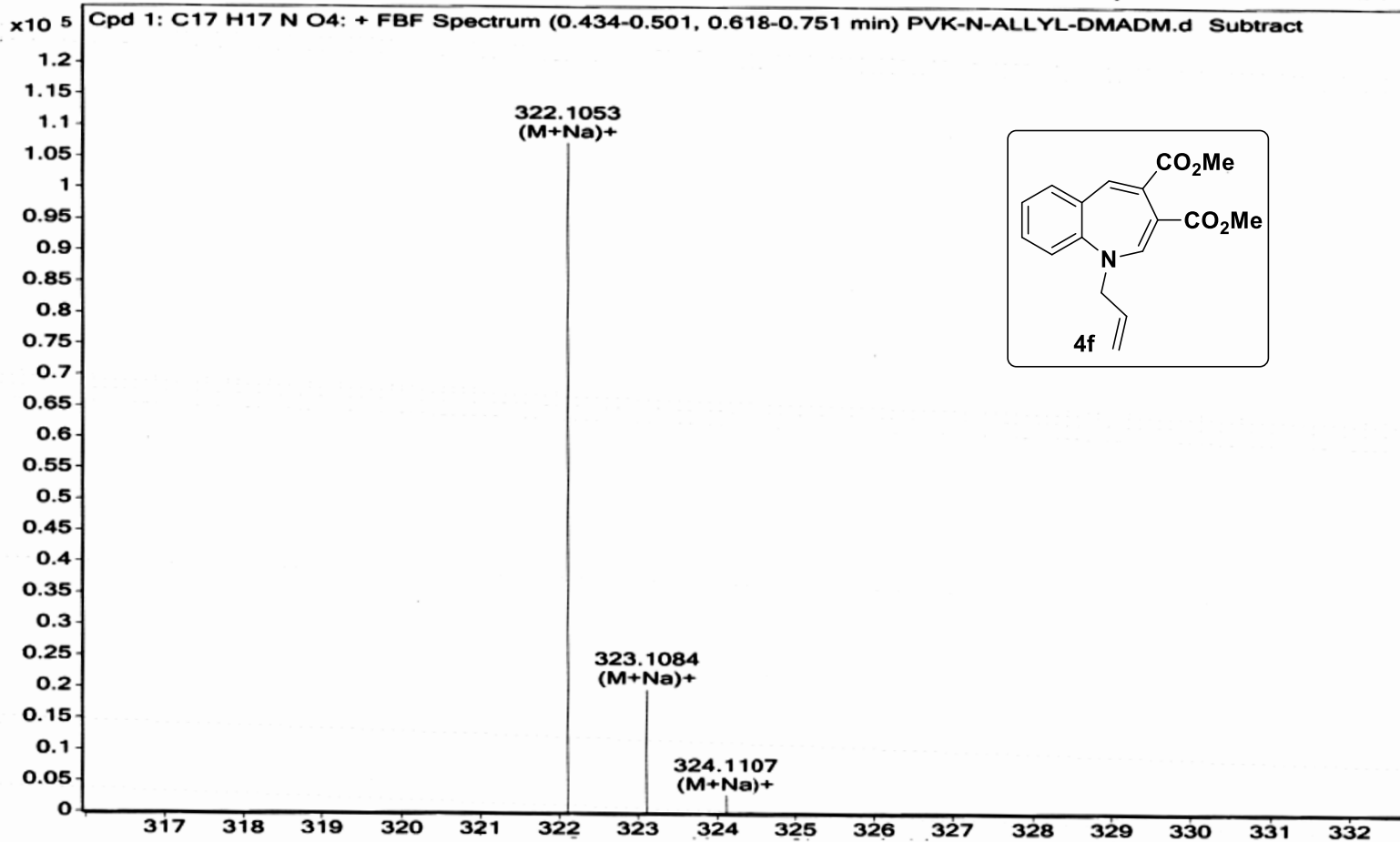
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 Time_ 23.08
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 PULPROG zgpg30
 TD 65536
 SOLVENT CDC13
 NS 534
 DS 4
 SWH 24038.461 Hz
 FIDRES 0.366798 Hz
 AQ 1.3631988 sec
 RG 322
 DW 20.800 usec
 DE 6.00 usec
 TE 292.3 K
 D1 1.00000000 sec
 d11 0.03000000 sec
 DELTA 0.89999998 sec
 TD0 1

===== CHANNEL f1 =====
 NUC1 13C
 P1 9.95 usec
 PL1 -1.00 dB
 SFO1 100.6228298 MHz

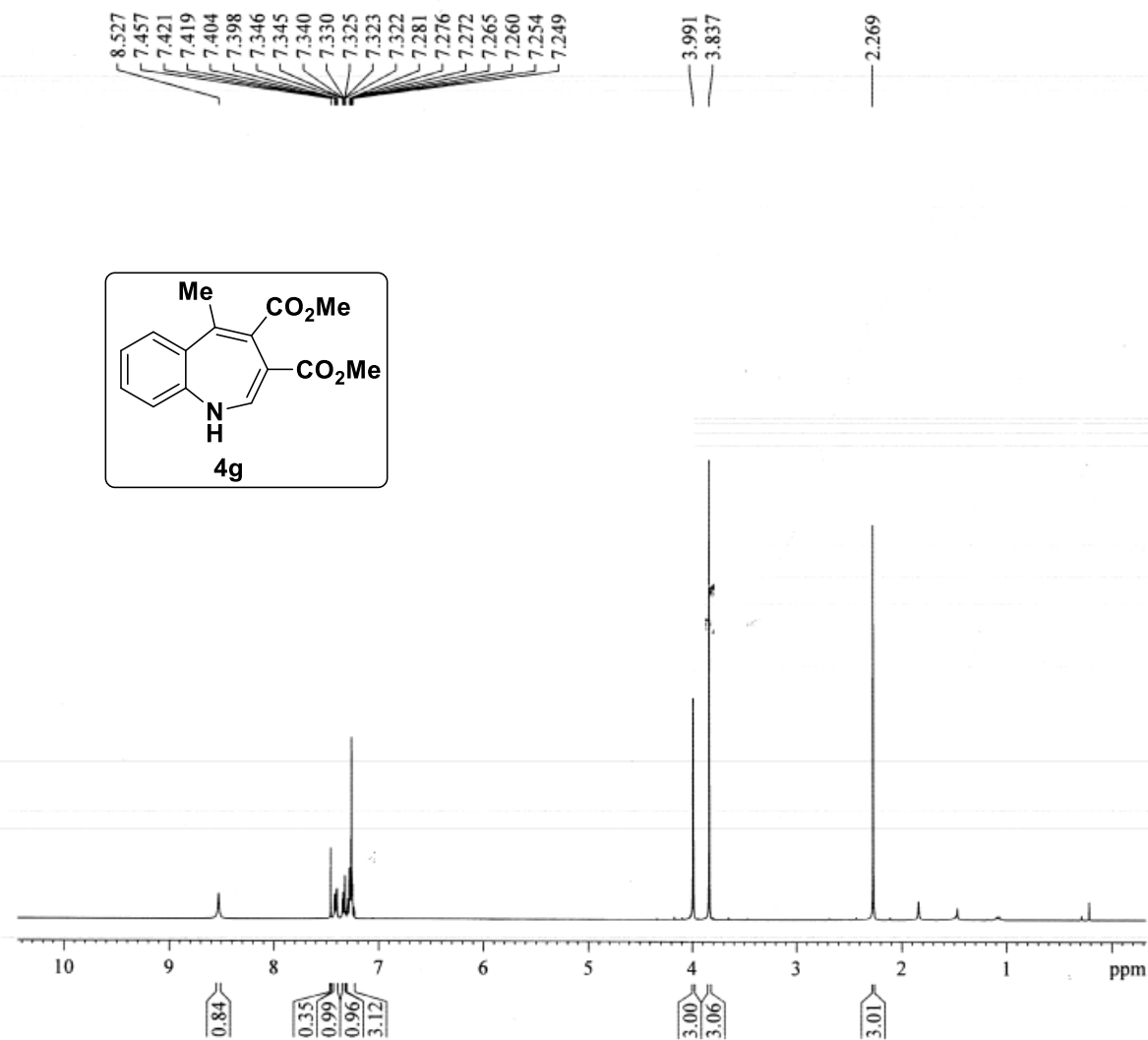
===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 90.00 usec
 PL12 14.95 dB
 PL13 120.00 dB
 PL2 -1.00 dB
 SFO2 400.1316005 MHz

F2 - Processing parameters
 SI 32768
 SF 100.6127560 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Name	Position	Instrument Name	User Name
PVK-N-ALLYL-DMAD	-1	Q-TOF	QTOF-PU\admin
Filename	InjPosition	SampleType	IRM Calibration Status
PVK-N-ALLYL-DMADM.d	ACQ Method	Sample	Success
	Pondicherry Universi	Comment	Acquired Time
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PROTON CDC13 {D:\MB} KOPAL 1



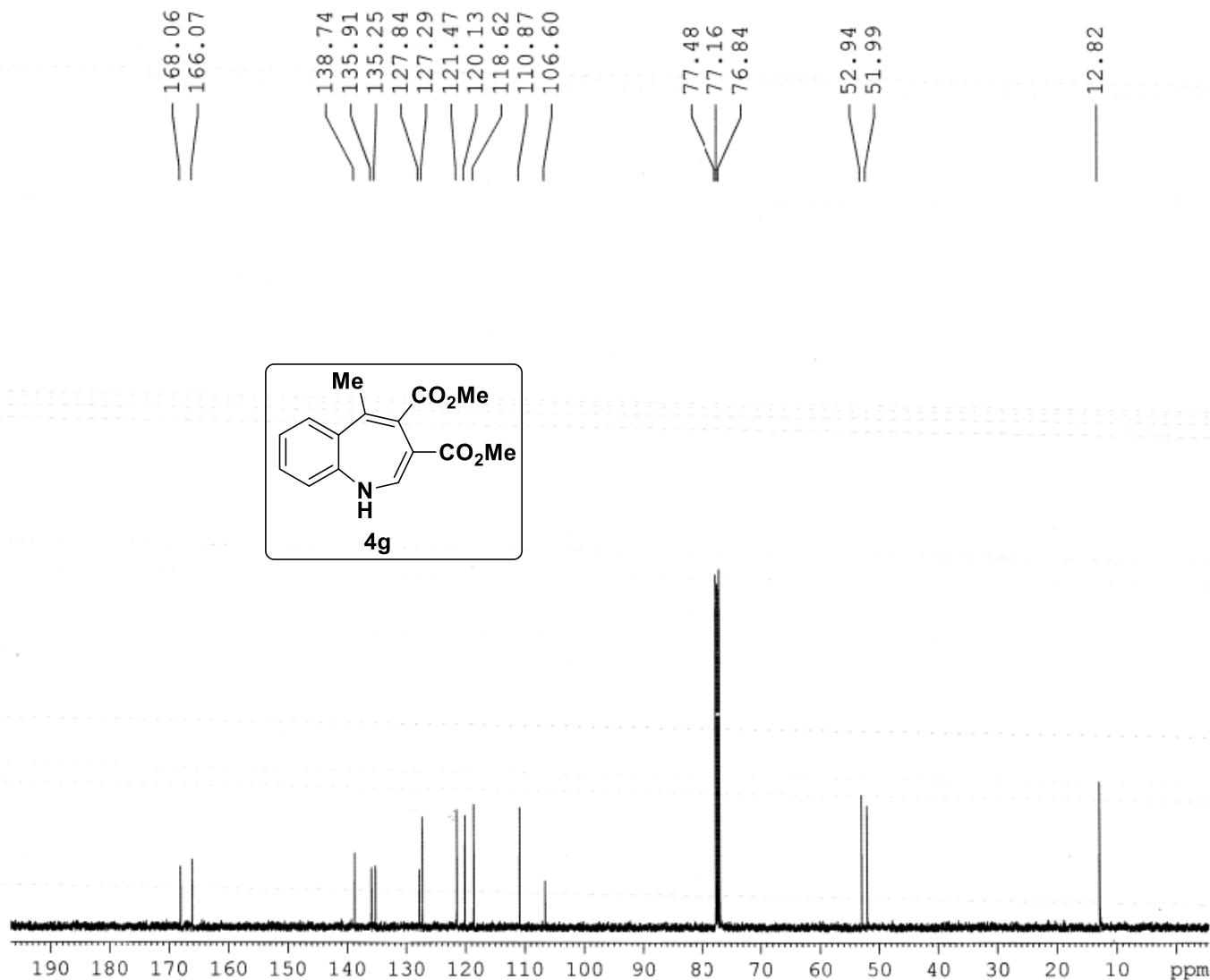
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NAME PVK-427
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20140909
Time 12.45
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zg30
TD 65536
SOLVENT CDC13
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 101
DW 60.800 usec
DE 6.00 usec
TE 293.9 K
D1 1.00000000 sec
TDO 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.42 usec
PL1 -3.00 dB
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1299260 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

C13CPD CDC13 {D:\MB} KOPAL 1



Current Data Parameters
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EXPNO 2
PROCNO 1

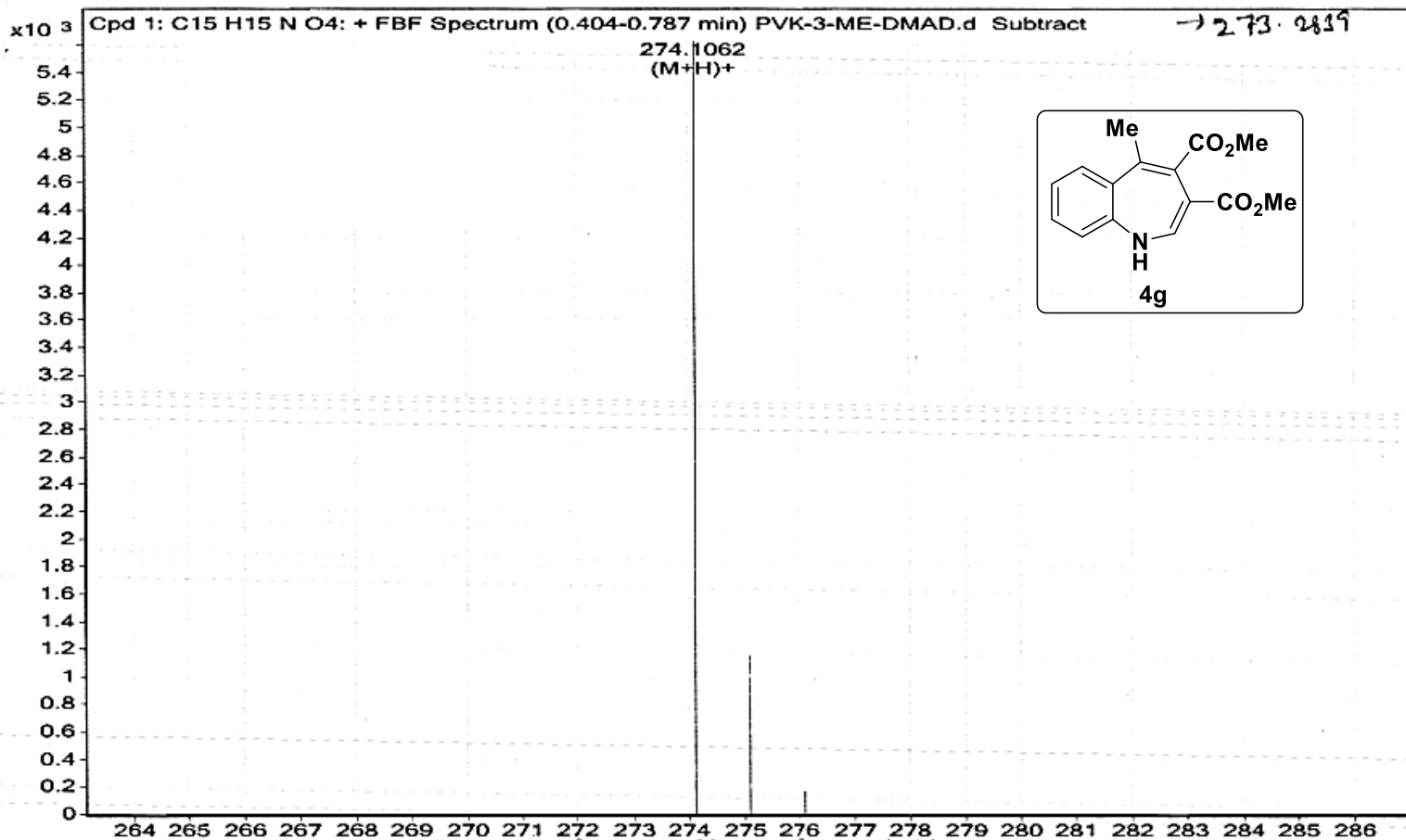
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Date_ 20140909
Time_ 12.48
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zgpg30
TD 65536
SOLVENT CDC13
NS 73
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 57
DW 20.800 usec
DE 6.00 usec
TE 294.6 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TDO 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.15 usec
PL1 0.00 dB
SFO1 100.6228298 MHz

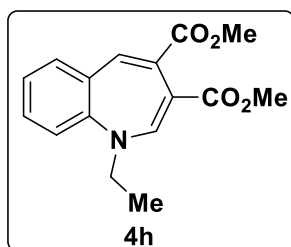
===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL12 14.90 dB
PL13 14.90 dB
PL2 -3.00 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127594 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Sample Name	PVK-3-ME-DMAD	Position		Instrument Name	Q-TOF	User Name	QTOF-PU\admin
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	PVK-3-ME-DMAD.d	ACQ Method	Pondicherry Universi	Comment	MB-PV-273.2839	Acquired Time	17-12-2014 11:31:49



7.669
7.367
7.347
7.345
7.327
7.324
7.322
7.317
7.307
7.305
7.260
7.244
7.240
7.237
7.222
7.219
7.216
7.201
7.198
7.150
7.146
7.143
7.128
7.126
7.123
7.108
7.106
6.813
4.237
4.219
4.201
4.182
3.846
3.624
1.542
1.524
1.505

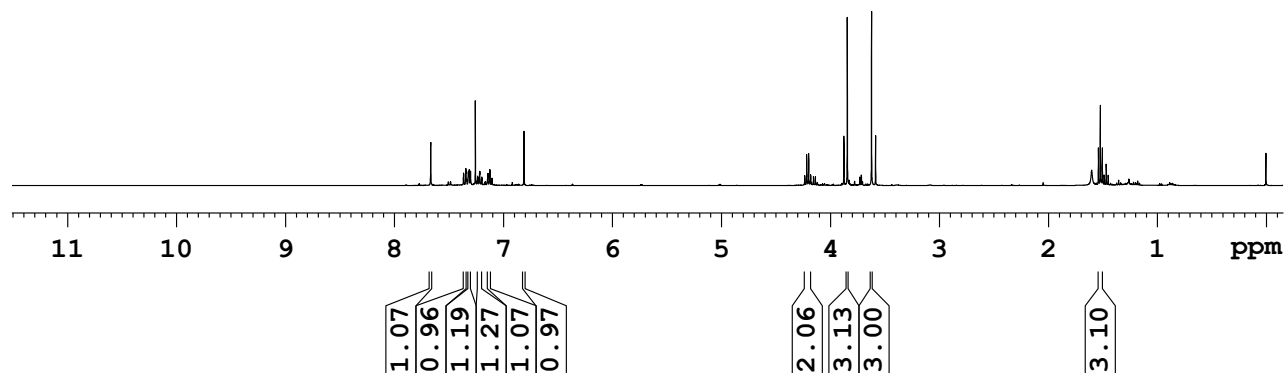


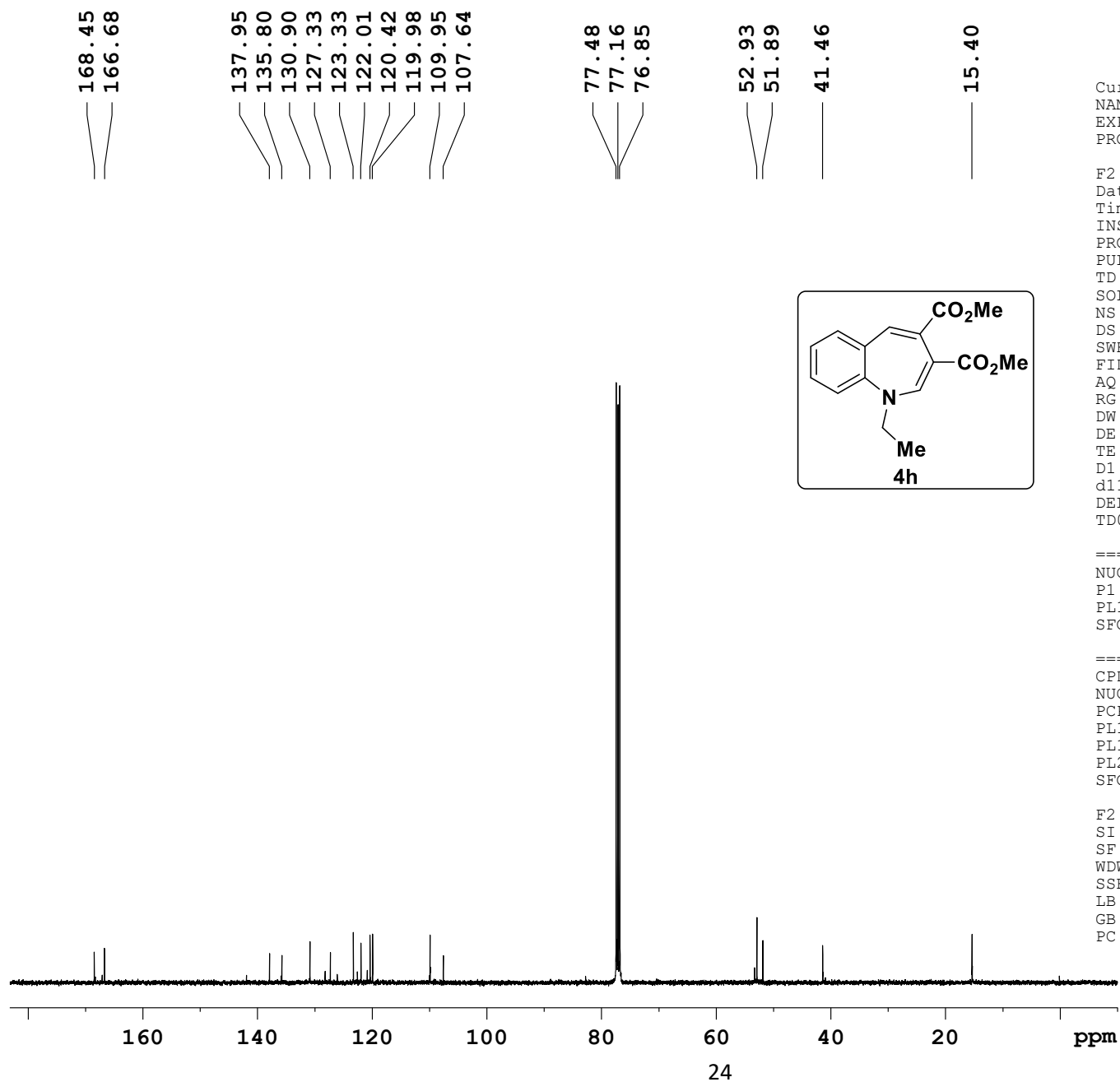
Current Data Parameters
NAME PVK-N-ET-DMAD-IND
EXPNO 3
PROCNO 1

F2 - Acquisition Parameters
Date_ 20180902
Time_ 13.07
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 228
DW 60.800 usec
DE 6.00 usec
TE 294.2 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 14.35 usec
PL1 -1.00 dB
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300049 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





Current Data Parameters
 NAME PVK-N-ET-DMAD-IND
 EXPNO 5
 PROCNO 1

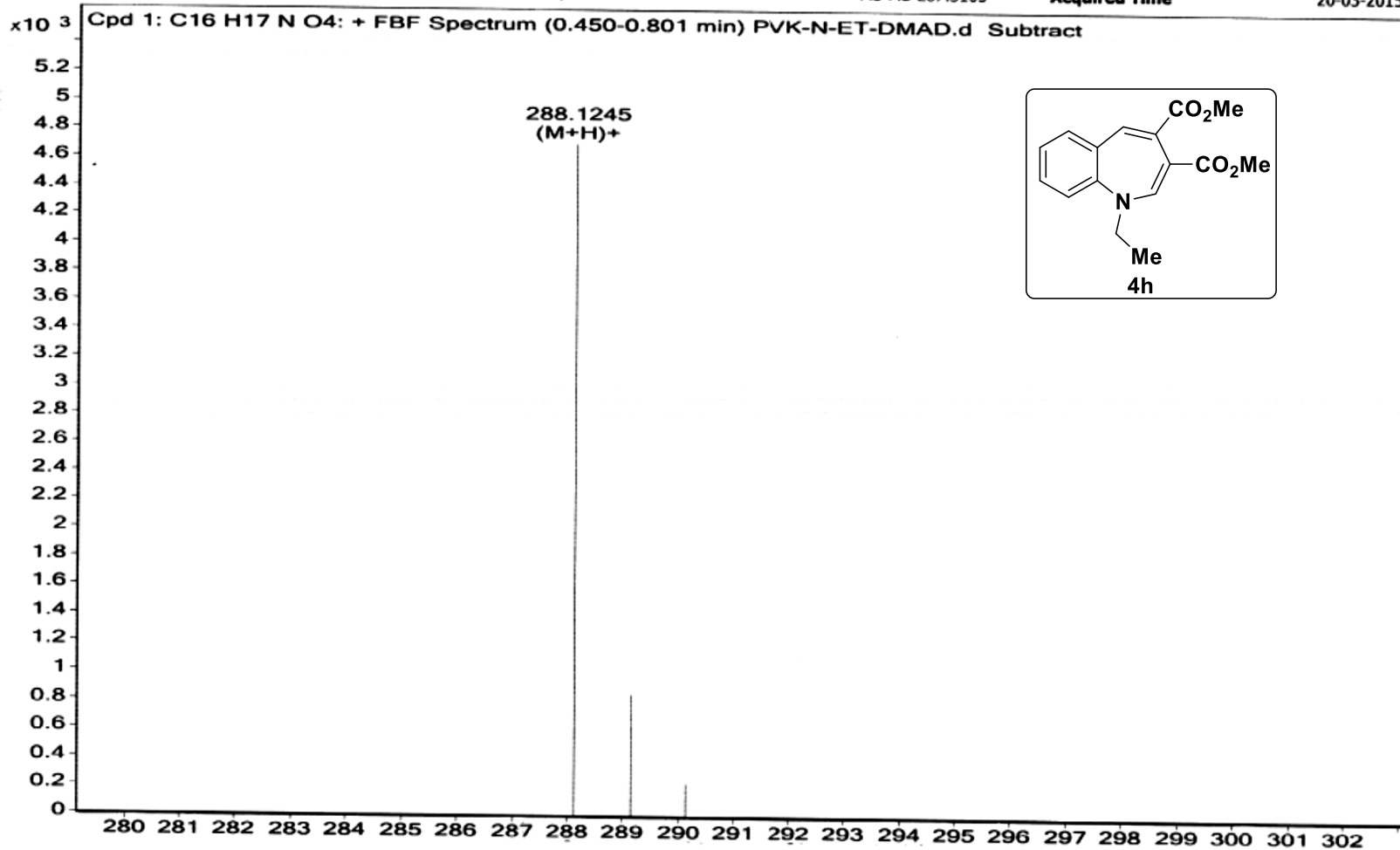
F2 - Acquisition Parameters
 Date_ 20180902
 Time_ 14.53
 INSTRUM spect
 PROBHD 5 mm BBO BB-1H
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 1657
 DS 4
 SWH 24038.461 Hz
 FIDRES 0.366798 Hz
 AQ 1.3631988 sec
 RG 322
 DW 20.800 usec
 DE 6.00 usec
 TE 294.5 K
 D1 2.00000000 sec
 d11 0.03000000 sec
 DELTA 1.89999998 sec
 TD0 1

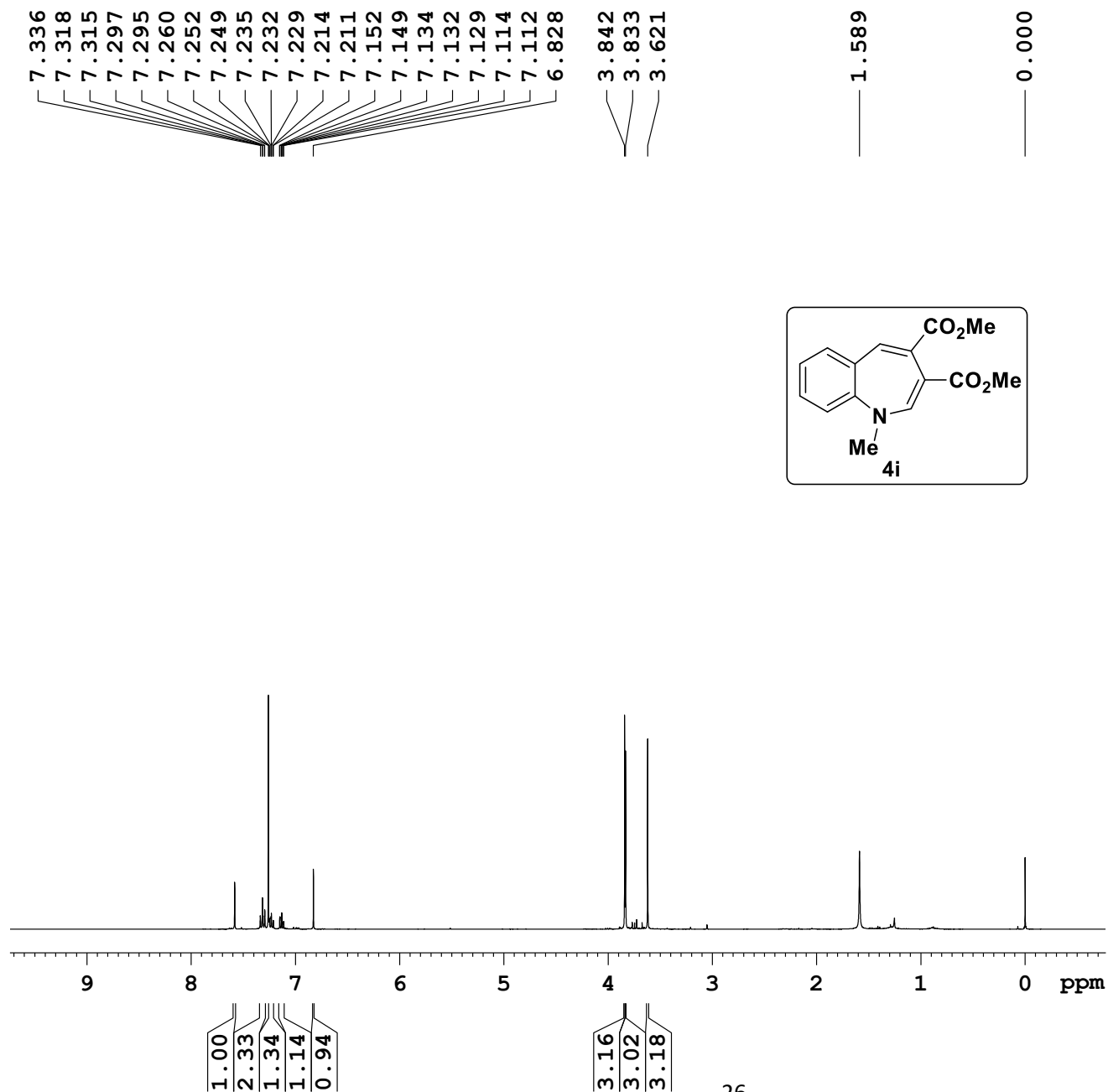
===== CHANNEL f1 =====
 NUC1 13C
 P1 9.95 usec
 PL1 -1.00 dB
 SFO1 100.6228298 MHz

===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 90.00 usec
 PL12 14.95 dB
 PL13 120.00 dB
 PL2 -1.00 dB
 SFO2 400.1316005 MHz

F2 - Processing parameters
 SI 32768
 SF 100.6127560 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Name	Position	Instrument Name	User Name
PVK-N-ET- DMAD		Q-TOF	QTOF-PU\admin
-1	InjPosition	Sample	IRM Calibration Status
File name	ACQ Method	Comment	Acquired Time
PVK-N-ET-DMAD.d	Pondicherry Universi	MS-MB-287.3105	Success
			20-03-2015 11:45:47



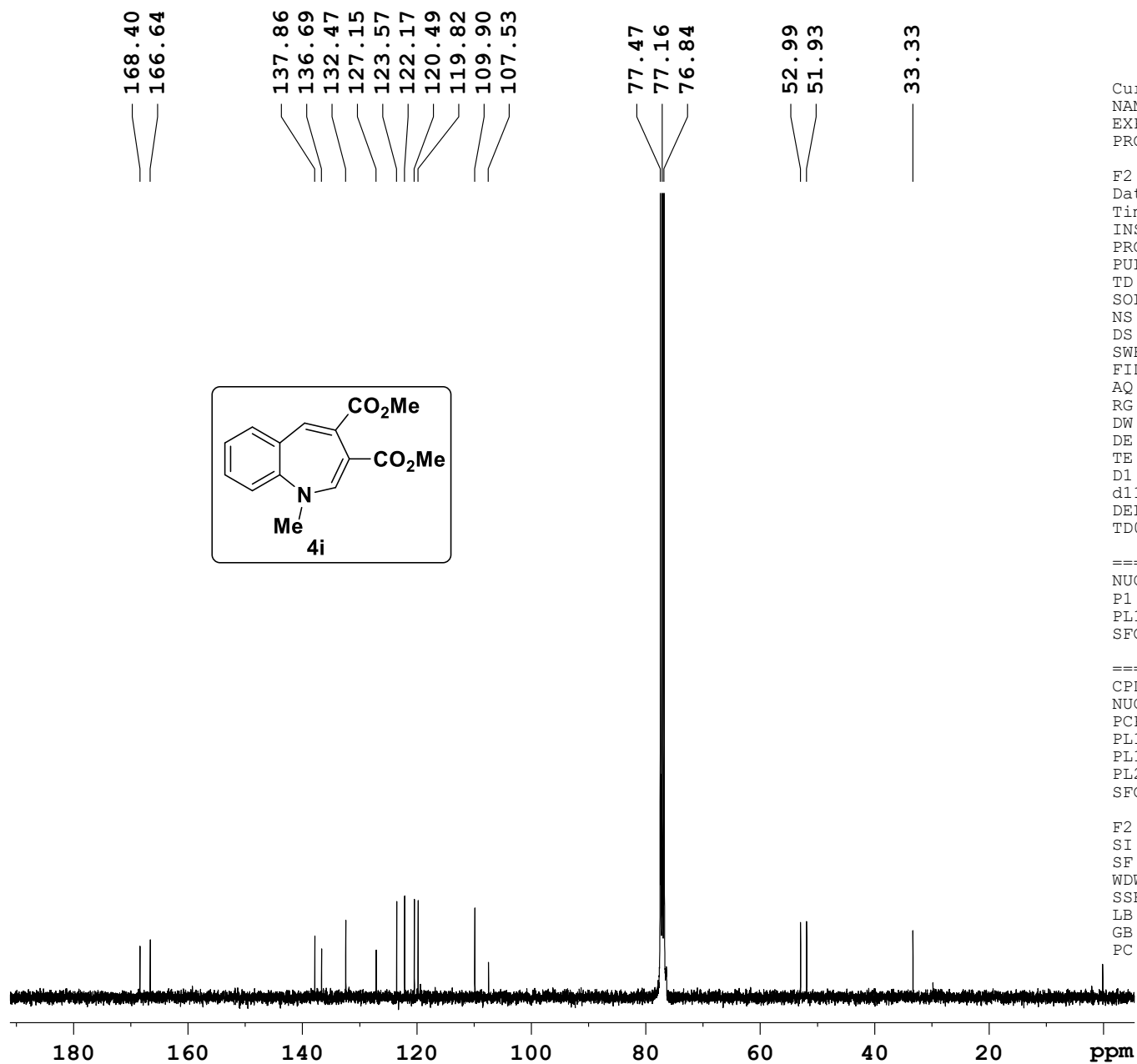


Current Data Parameters
NAME PVK-N-ME-IND-DMAD
EXPNO 3
PROCNO 1

F2 - Acquisition Parameters
Date_ 20180831
Time 18.36
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 362
DW 60.800 usec
DE 6.00 usec
TE 294.9 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 14.35 usec
PL1 -1.00 dB
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300049 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



Current Data Parameters
 NAME PVK-N-ME-IND-DMAD
 EXPNO 4
 PROCNO 1

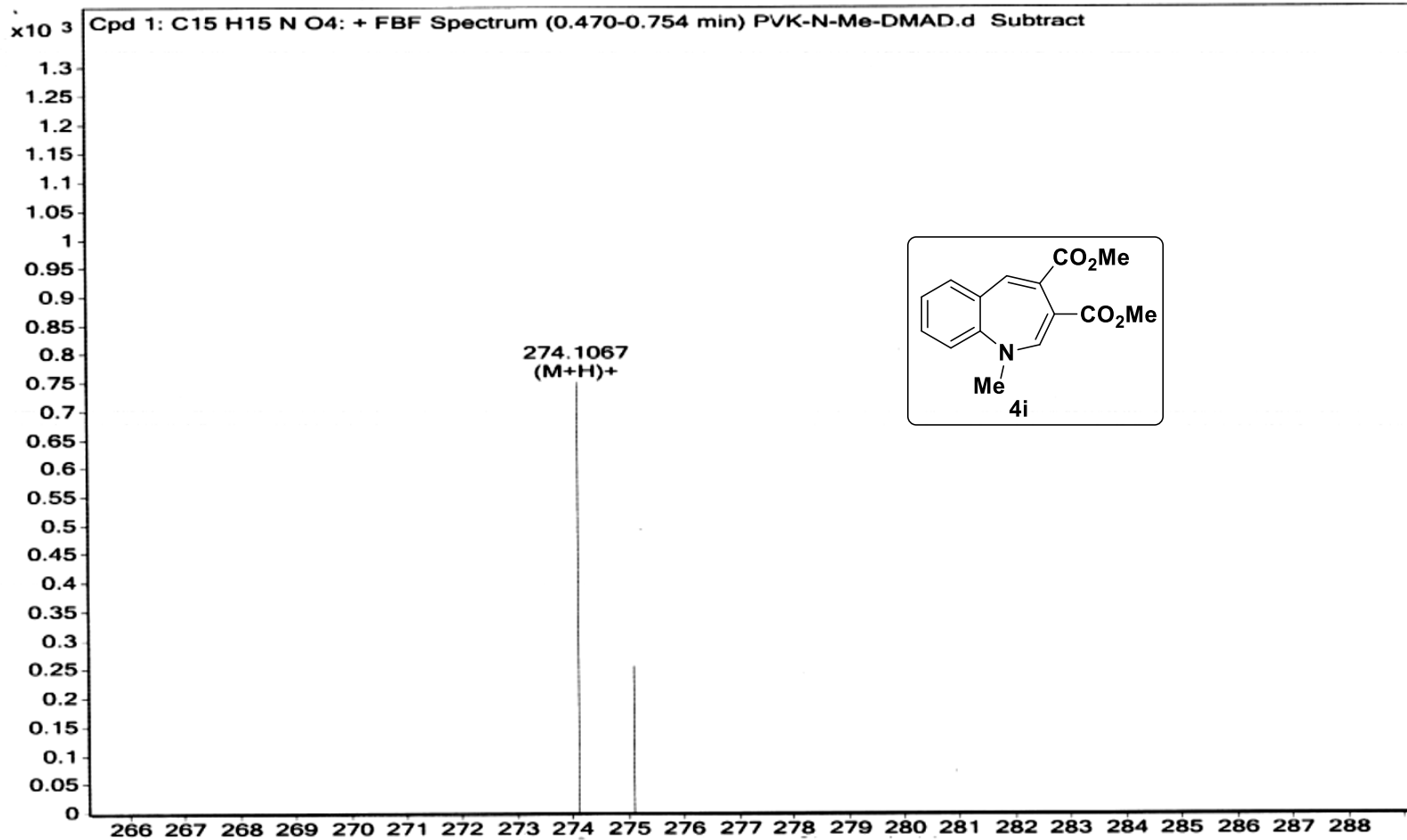
F2 - Acquisition Parameters
 Date_ 20180831
 Time_ 18.41
 INSTRUM spect
 PROBHD 5 mm BBO BB-1H
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 4262
 DS 4
 SWH 24038.461 Hz
 FIDRES 0.366798 Hz
 AQ 1.3631988 sec
 RG 362
 DW 20.800 usec
 DE 6.00 usec
 TE 294.9 K
 D1 2.00000000 sec
 d11 0.03000000 sec
 DELTA 1.89999998 sec
 TD0 1

===== CHANNEL f1 =====
 NUC1 13C
 P1 9.95 usec
 PL1 -1.00 dB
 SFO1 100.6228298 MHz

===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 90.00 usec
 PL12 14.95 dB
 PL13 120.00 dB
 PL2 -1.00 dB
 SFO2 400.1316005 MHz

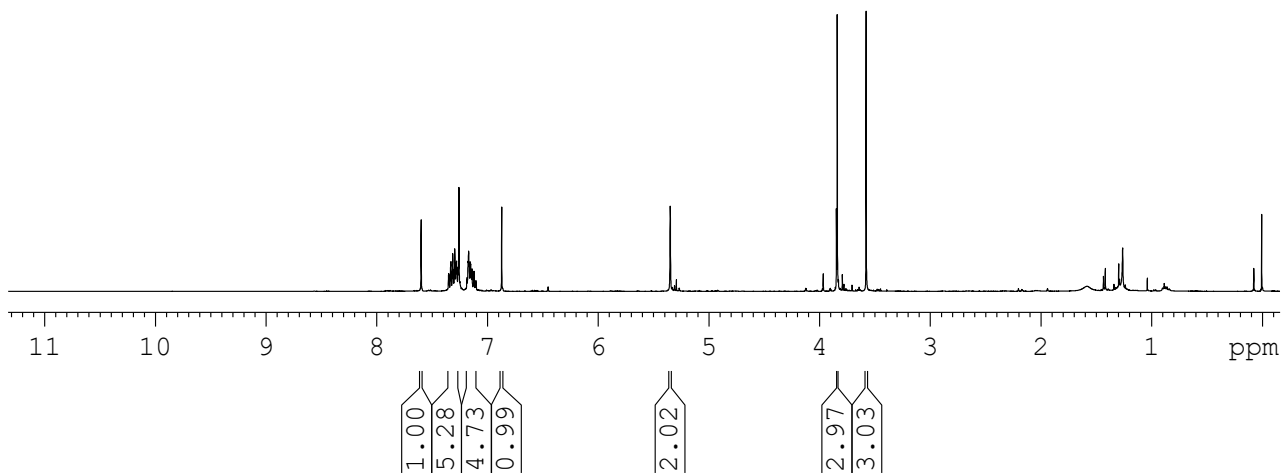
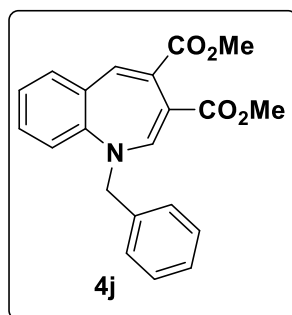
F2 - Processing parameters
 SI 32768
 SF 100.6127554 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Name	PVK-N-Me-DMAD	Position		Instrument Name	Q-TOF	User Name	QTOF-PU\admin
Inj	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Filename	PVK-N-Me-DMAD.d	ACQ Method	Pondicherry Universi	Comment	PVK-MB-273.1001	Acquired Time	22-04-2015 11:36:46



PROTON CDCl3 {D:\MB} KOPAL 1

7.602
7.354
7.353
7.335
7.333
7.332
7.317
7.313
7.302
7.299
7.286
7.282
7.269
7.264
7.260
7.186
7.179
7.175
7.173
7.169
7.158
7.157
7.153
7.149
7.145
7.141
7.125
7.123
6.875
5.352
3.840
3.579



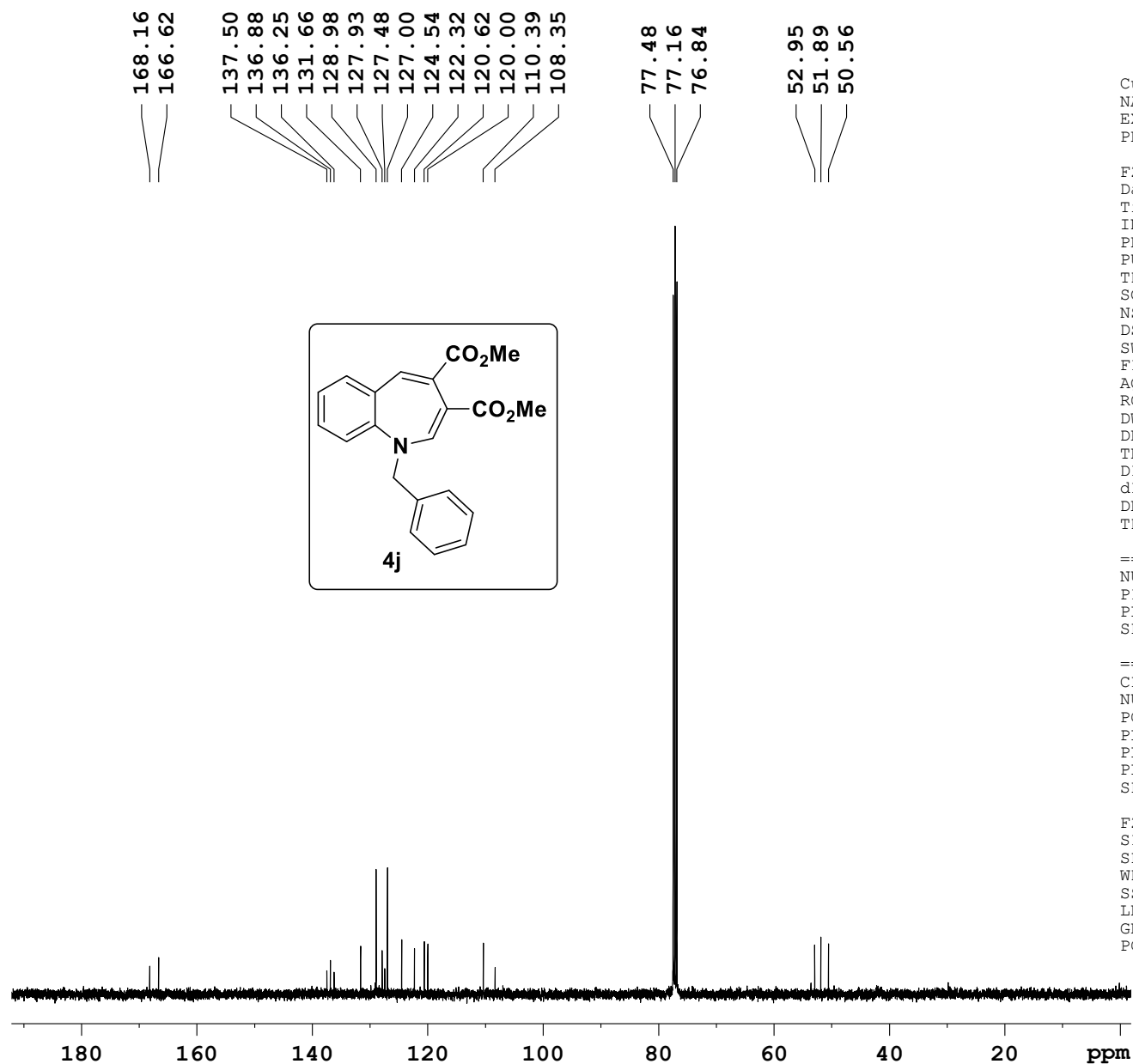
0.006

Current Data Parameters
NAME PVK-N-BN-DEAD
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20150312
Time_ 16.54
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 181
DW 60.800 usec
DE 6.00 usec
TE 296.7 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.42 usec
PL1 -3.00 dB
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300051 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



Current Data Parameters
 NAME PVK-N-BN-DEAD
 EXPNO 3
 PROCNO 1

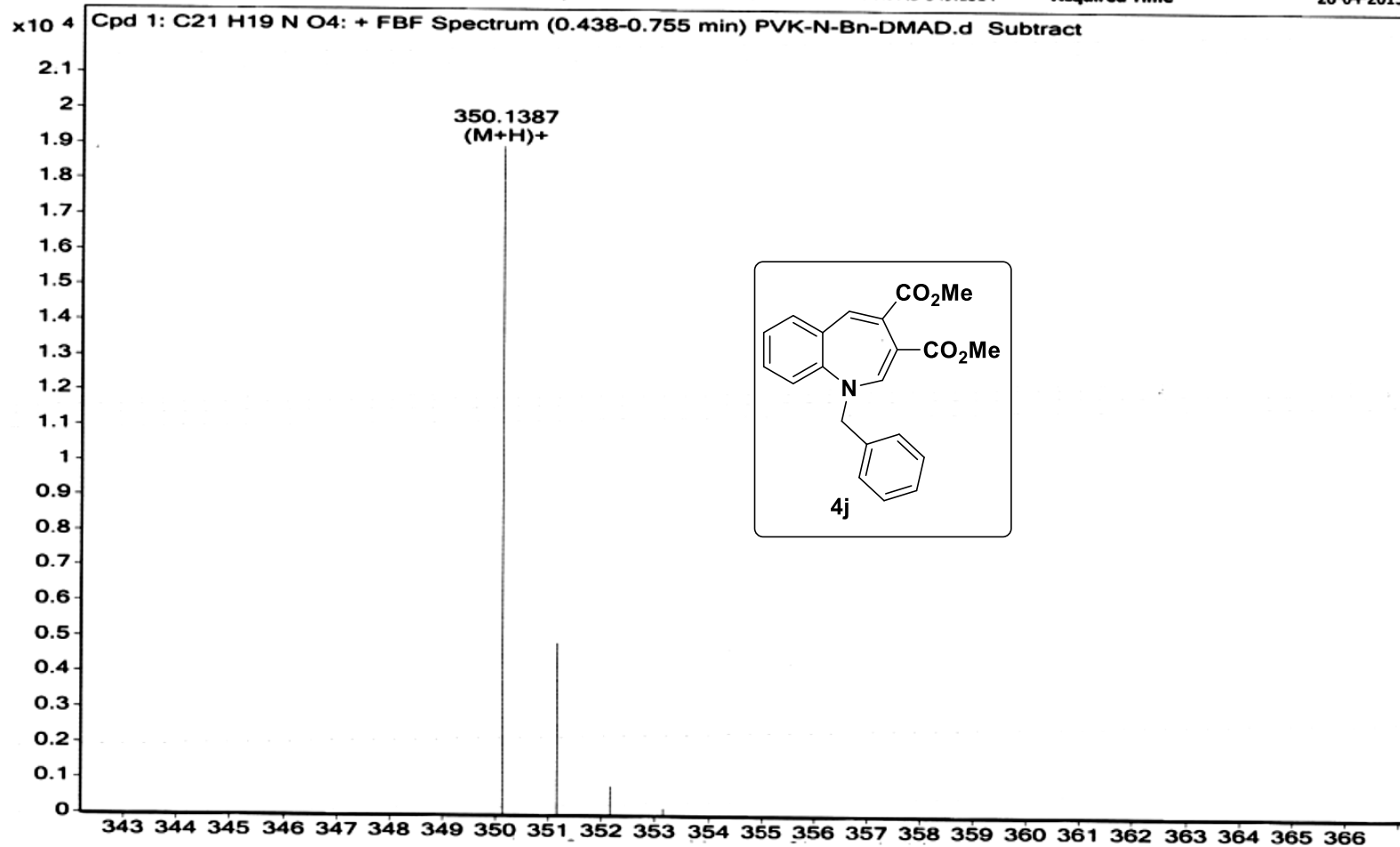
F2 - Acquisition Parameters
 Date_ 20150313
 Time 10.13
 INSTRUM spect
 PROBHD 5 mm DUL 13C-1
 PULPROG zgpg30
 TD 65536
 SOLVENT CDC13
 NS 256
 DS 4
 SWH 24038.461 Hz
 FIDRES 0.366798 Hz
 AQ 1.3631988 sec
 RG 32
 DW 20.800 usec
 DE 6.00 usec
 TE 294.7 K
 D1 2.00000000 sec
 d11 0.03000000 sec
 DELTA 1.89999998 sec
 TD0 1

===== CHANNEL f1 =====
 NUC1 13C
 P1 9.15 usec
 PL1 0.00 dB
 SFO1 100.6228298 MHz

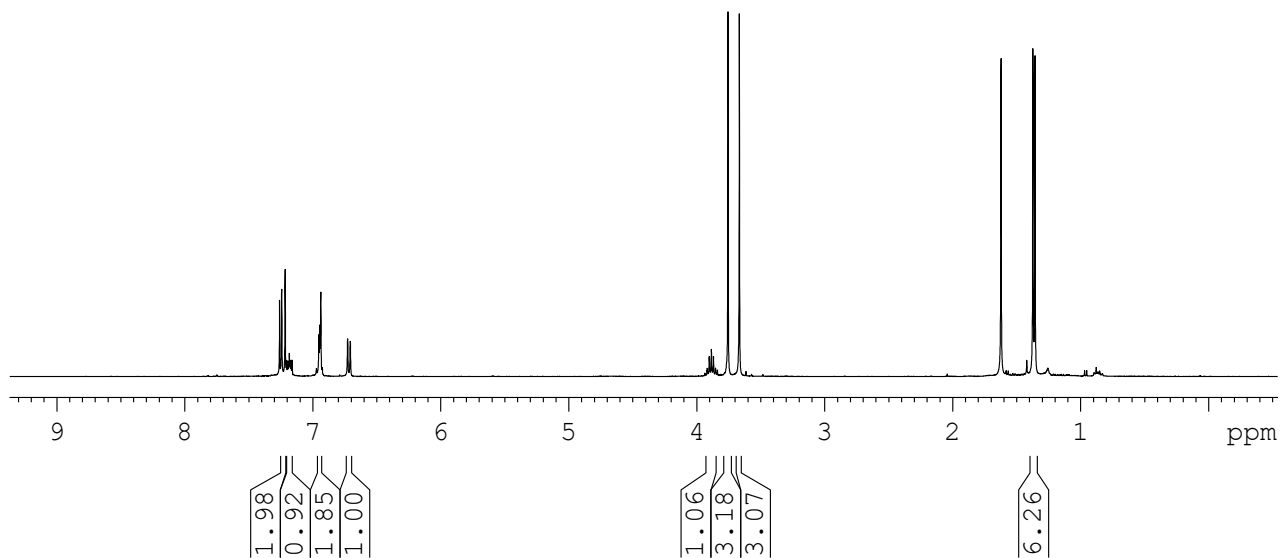
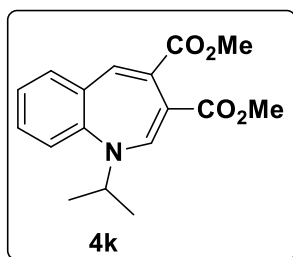
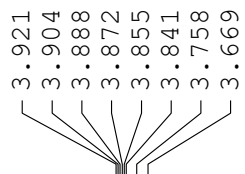
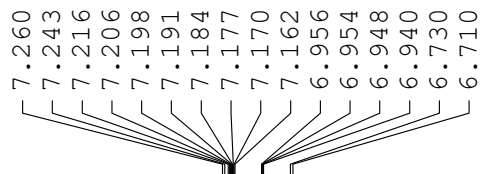
===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 90.00 usec
 PL12 14.90 dB
 PL13 14.90 dB
 PL2 -3.00 dB
 SFO2 400.1316005 MHz

F2 - Processing parameters
 SI 32768
 SF 100.6127554 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Sample Name	Position	InjPosition	ACQ Method	Instrument Name	SampleType	User Name	QTOF-PU\admin
PVK-N-Bn-DMAD	-1			Q-TOF	Sample	IRM Calibration Status	Success
PVK-N-Bn-DMAD.d			Pondicherry Universi	Comment	PVK-MB-349.1314	Acquired Time	28-04-2015 12:53:23



PROTON CDCl3 {D:\MB} KOPAL 1

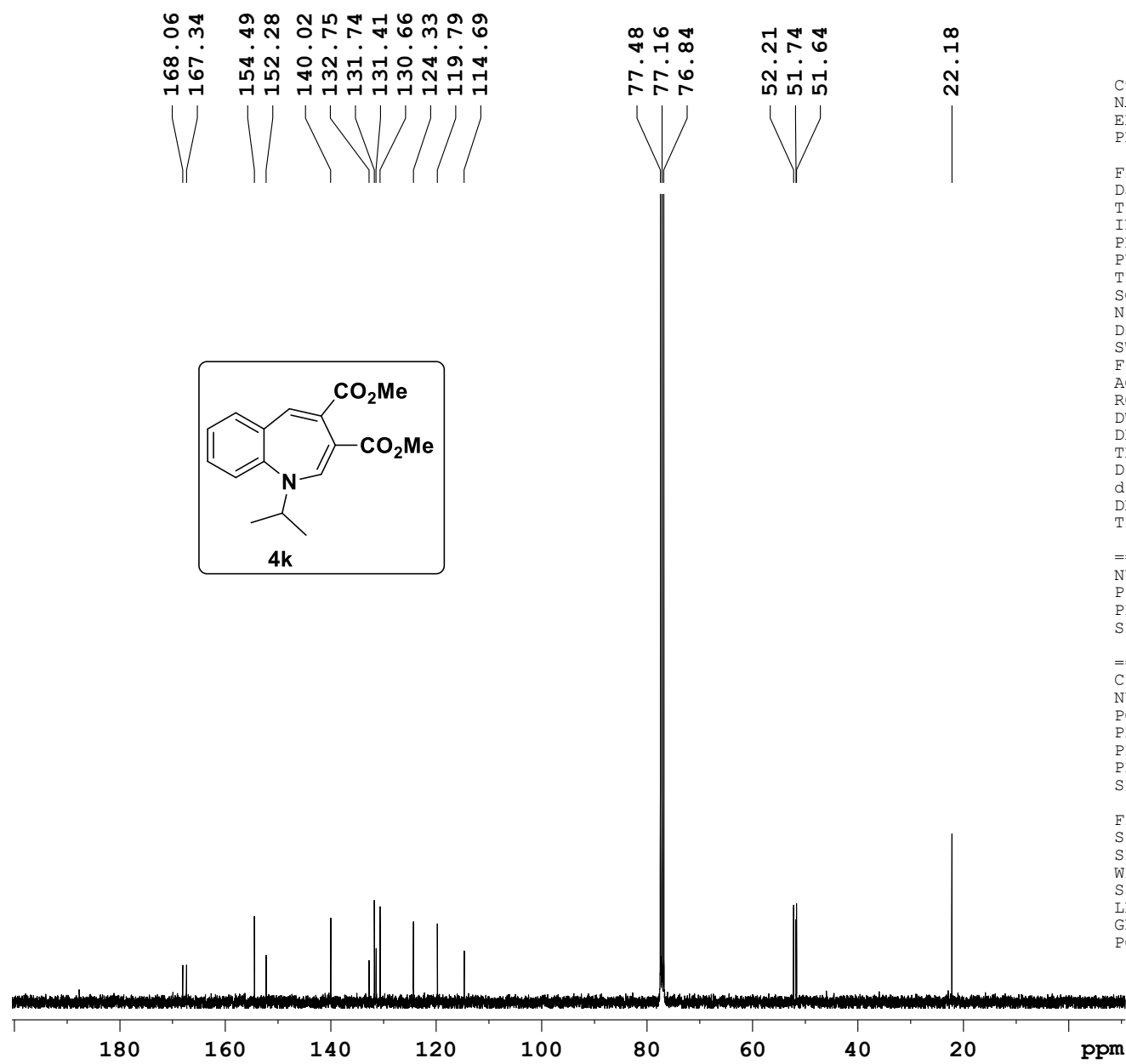


Current Data Parameters
NAME PVK-N-BU-IND-DMAD-D
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20170908
Time_ 16.58
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 203
DW 60.800 usec
DE 6.00 usec
TE 300.0 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.42 usec
PL1 -3.00 dB
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300051 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



Current Data Parameters
NAME PVK-N-BU-IND-DMAD-D
EXPNO 2
PROCNO 1

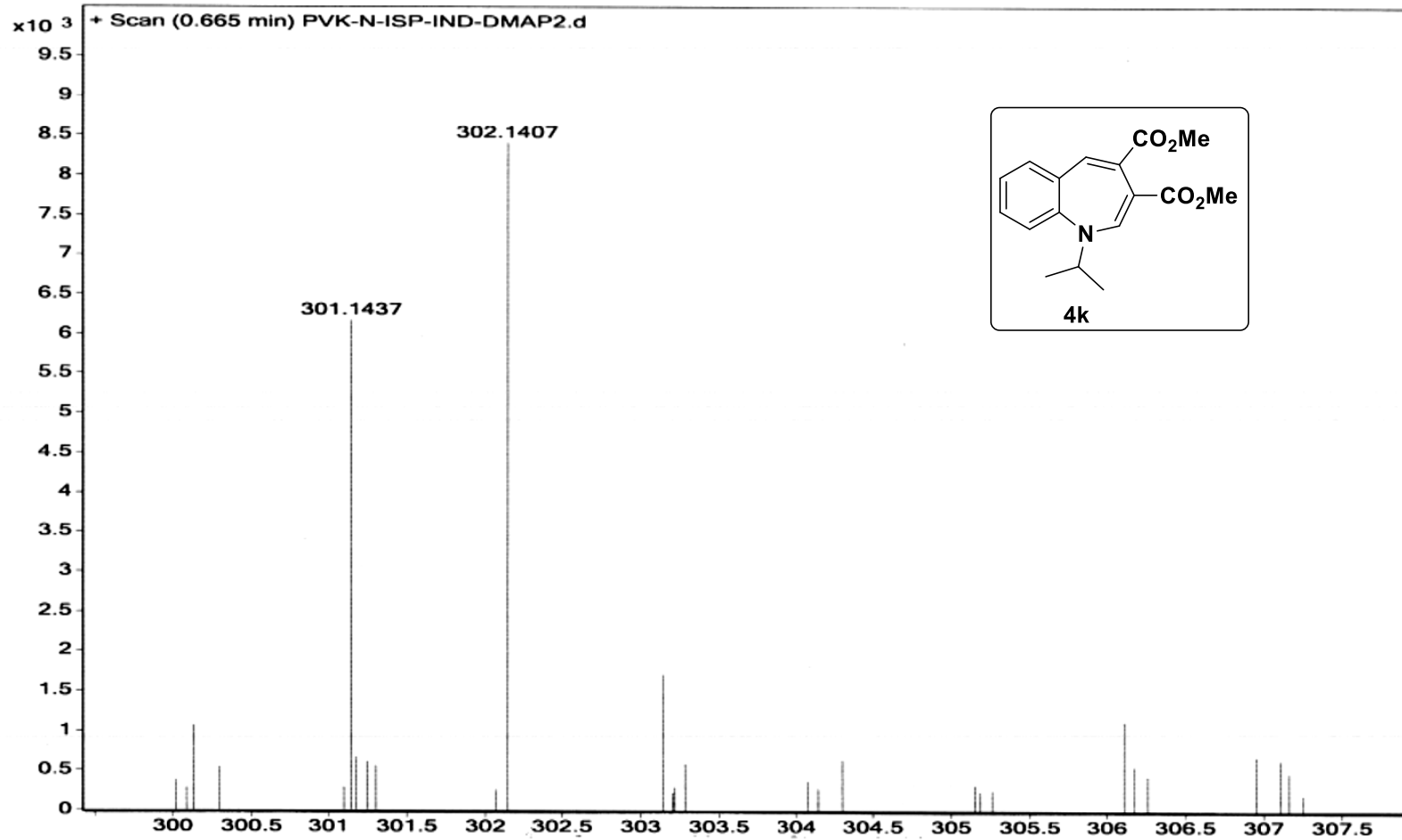
F2 - Acquisition Parameters
Date 20170910
Time 22.23
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zgpg30
TD 65536
SOLVENT CDC13
NS 512
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 64
DW 20.800 usec
DE 6.00 usec
TE 294.1 K
D1 1.00000000 sec
d11 0.03000000 sec
DELTA 0.89999998 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.15 usec
PL1 0.00 dB
SFO1 100.6228298 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL12 14.90 dB
PL13 14.90 dB
PL2 -3.00 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127546 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

File Name	PVK-N-ISP-IND-DMAP	Position		Instrument Name	Q-TOF	User Name	QTOF-PU\admin
Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	PVK-N-ISP-IND-DMAP2.	ACQ Method	Pondicherry Universi	Comment	PVK-MB-302.1392	Acquired Time	20-10-2017 12:52:27

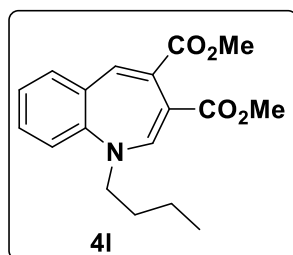


PROTON CDC13 {D:\MB} KOPAL 1

7.260
7.166
7.136
7.129
7.122
7.115
7.107
6.956
6.897
6.889
6.883
6.638
6.617

3.674
3.575
3.244
3.226
3.207

1.599
1.580
1.562
1.535
1.383
1.365
1.346
1.327
1.157
0.863
0.858
0.845
0.826

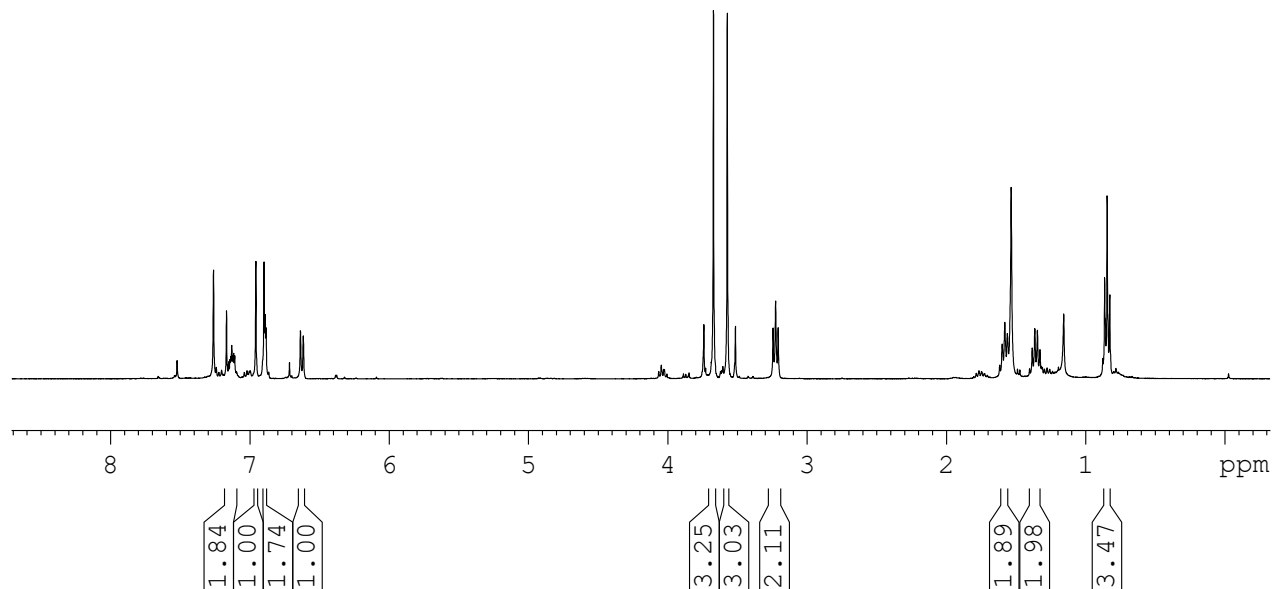


Current Data Parameters
NAME PVK-N-ISP-IND-DMAD-D
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20170908
Time_ 17.04
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zg30
TD 65536
SOLVENT CDC13
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 181
DW 60.800 usec
DE 6.00 usec
TE 293.6 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.42 usec
PL1 -3.00 dB
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300425 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



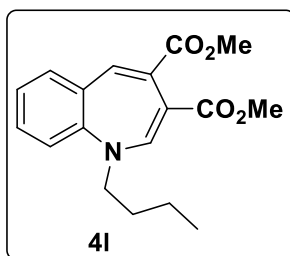
167.90
167.14
157.88
151.87
140.29
132.43
131.49
131.12
130.75
124.33
119.10
114.71

77.48
77.16
76.84

52.29
52.25
51.70

31.62

20.00
13.93



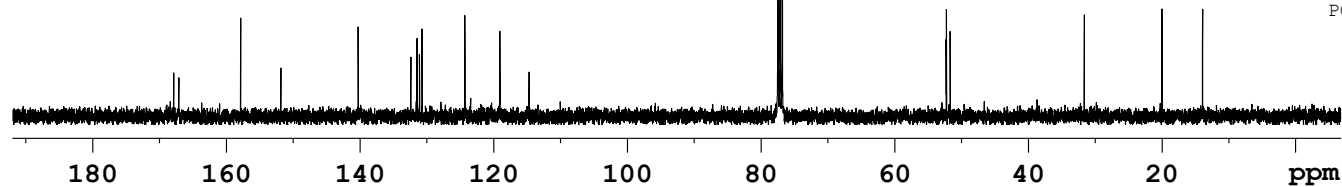
Current Data Parameters
NAME PVK-N-ISP-IND-DMAD-D
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20170910
Time 19.15
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zgpg30
TD 65536
SOLVENT CDC13
NS 256
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 64
DW 20.800 usec
DE 6.00 usec
TE 292.8 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TD0 1

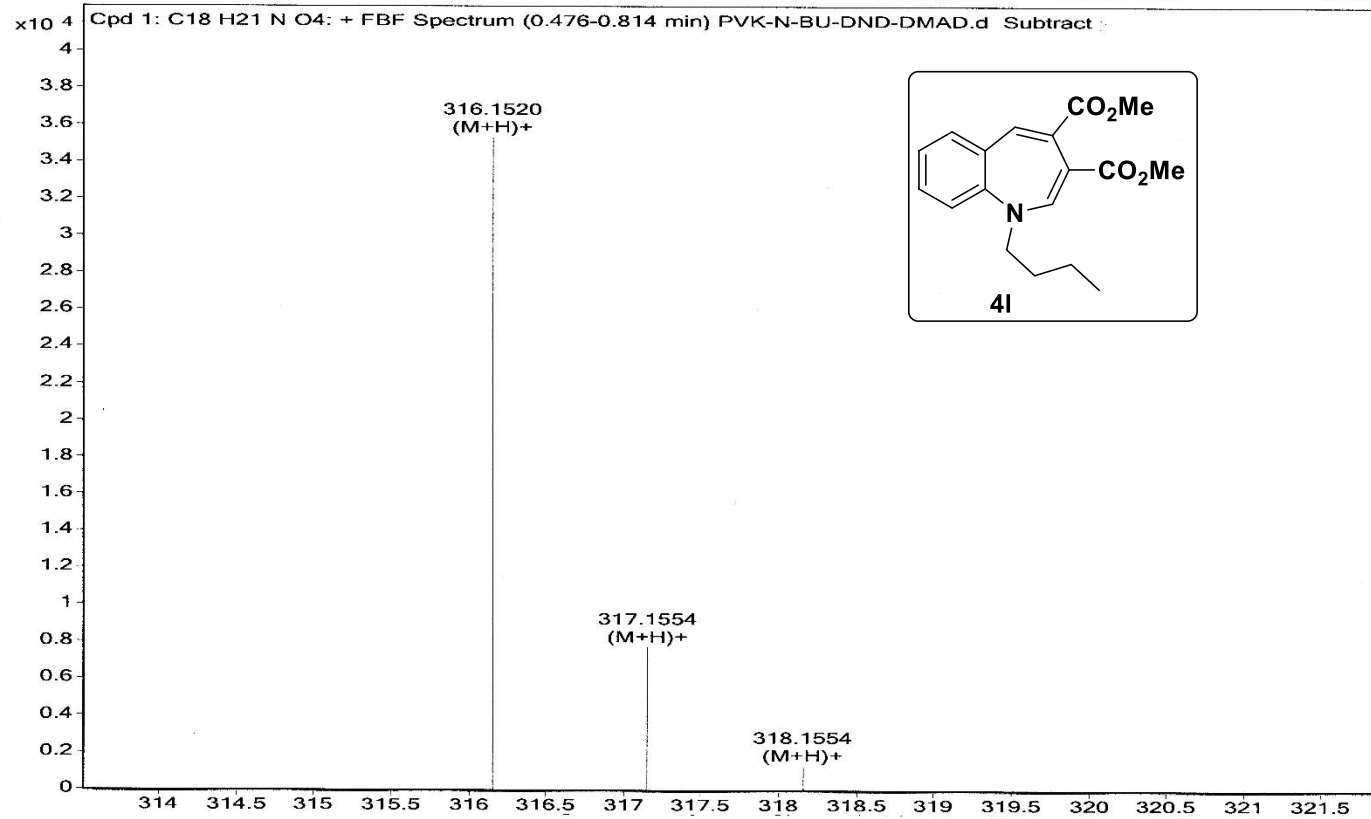
===== CHANNEL f1 =====
NUC1 13C
P1 9.15 usec
PL1 0.00 dB
SFO1 100.6228298 MHz

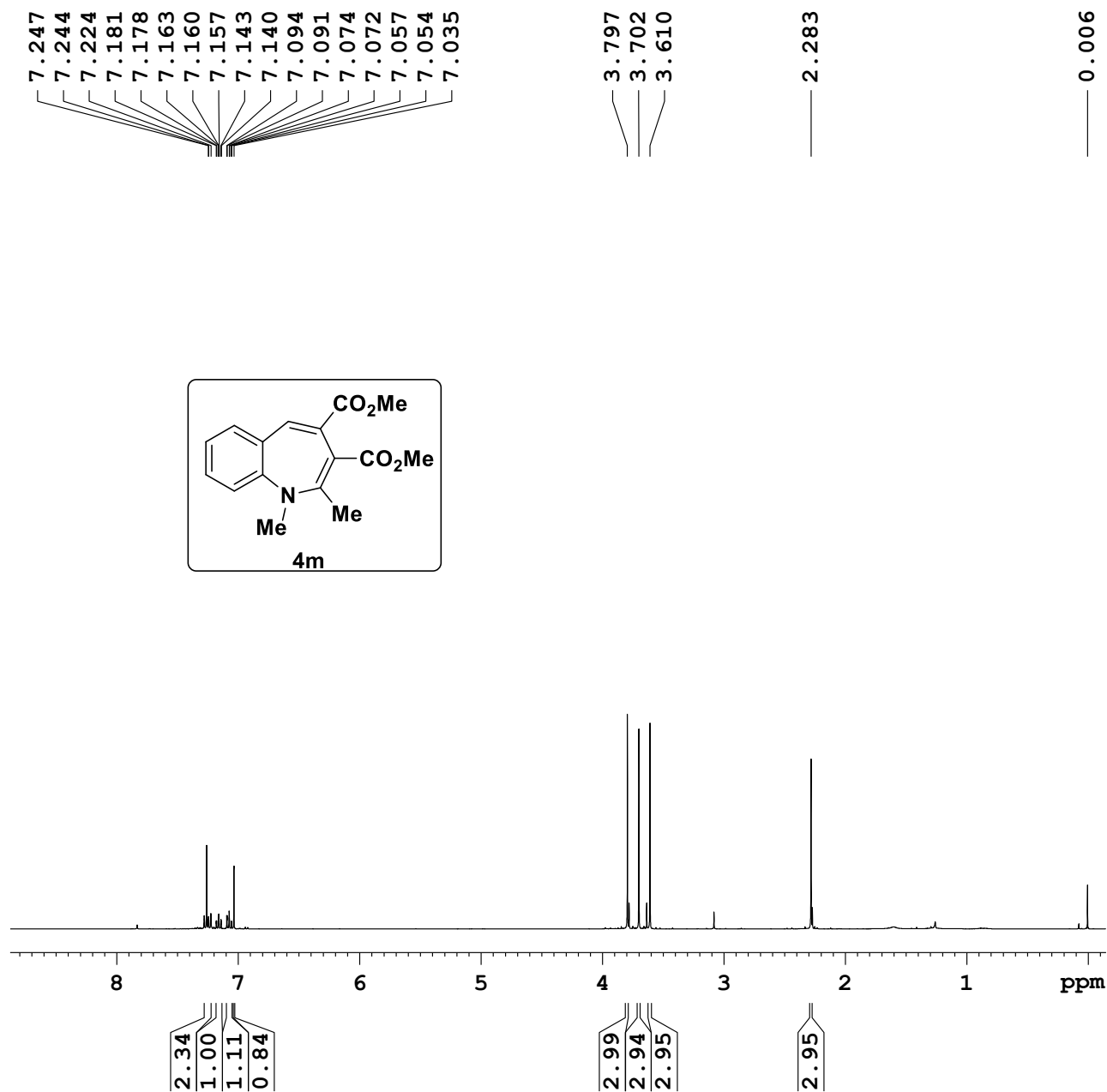
===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL12 14.90 dB
PL13 14.90 dB
PL2 -3.00 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127557 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



Sample Name	PVK-N-BU-DND-DMAD	Position		Instrument Name	Q-TOF	User Name	QTOF-PU\admin
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	PVK-N-BU-DND-DMAD.d	ACQ Method	Pondicherry Universi	Comment	PVK-MB-315.1471	Acquired Time	09-05-2018 11:43:53





Current Data Parameters
 NAME PVK-ME-N-ME-IND-DMAD
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20180827
 Time_ 10.15
 INSTRUM spect
 PROBHD 5 mm BBO BB-1H
 PULPROG zg30
 TD 65536
 SOLVENT CDCl₃
 NS 16
 DS 2
 SWH 8223.685 Hz
 FIDRES 0.125483 Hz
 AQ 3.9846387 sec
 RG 256
 DW 60.800 usec
 DE 6.00 usec
 TE 291.1 K
 D1 1.00000000 sec
 TD0 1

===== CHANNEL f1 =====
 NUC1 1H
 P1 14.35 usec
 PL1 -1.00 dB
 SFO1 400.1324710 MHz

F2 - Processing parameters
 SI 32768
 SF 400.1300049 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

168.22
165.86

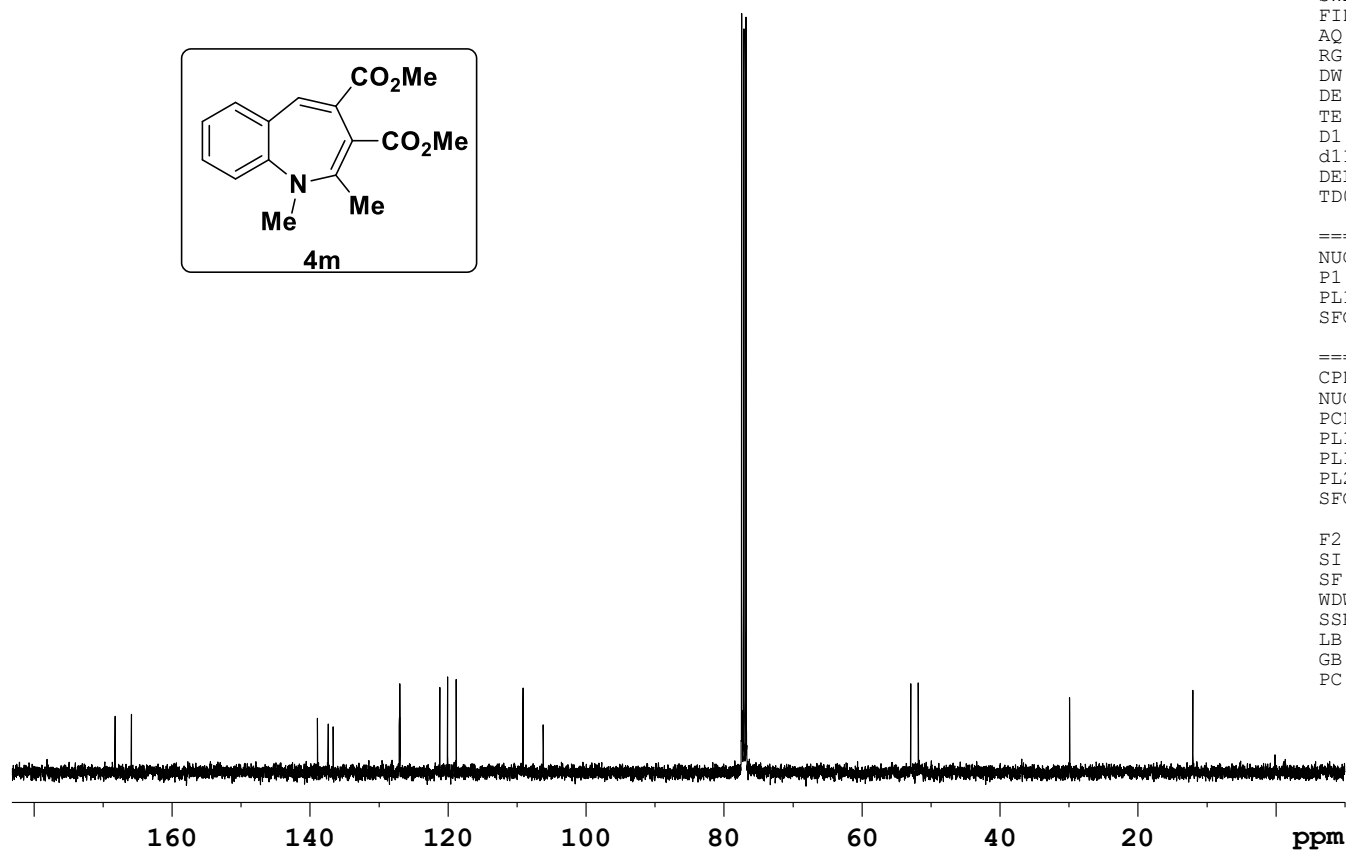
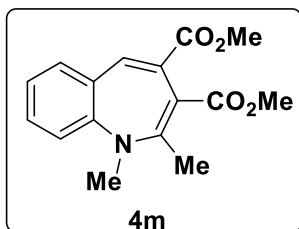
138.97
137.41
136.69
127.09
127.03
121.24
120.11
118.86
109.18
106.24

77.48
77.16
76.85

52.97
51.88

29.94

12.08



Current Data Parameters
NAME PVK-ME-N-ME-IND-DMAD
EXPNO 2
PROCNO 1

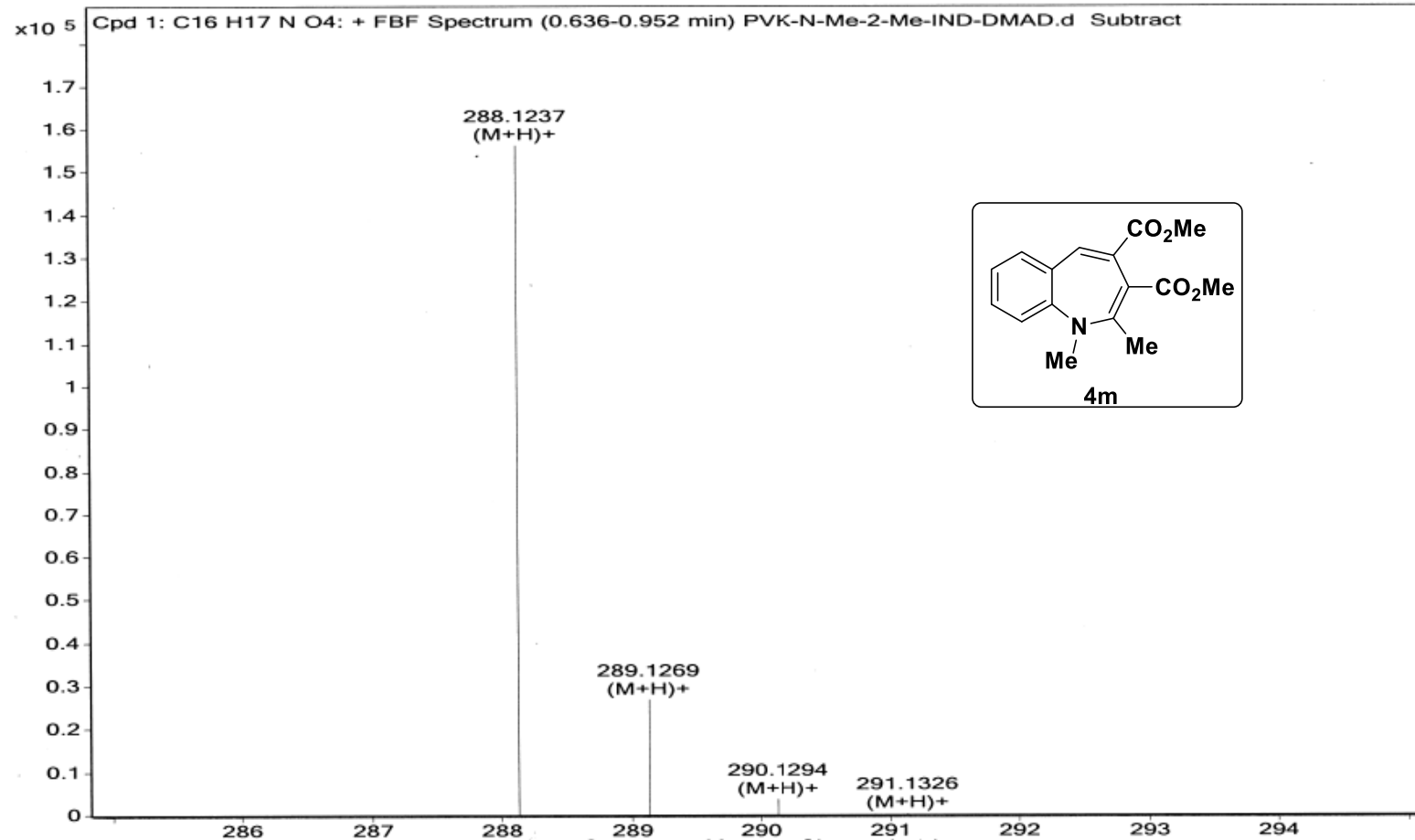
F2 - Acquisition Parameters
Date_ 20180827
Time 10.18
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 256
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 90.5
DW 20.800 usec
DE 6.00 usec
TE 291.4 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.95 usec
PL1 -1.00 dB
SFO1 100.6228298 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL12 14.95 dB
PL13 120.00 dB
PL2 -1.00 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127566 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Sample Name	PVK-N-Me-2-Me-IND-DM	Position		Instrument Name	Q-TOF	User Name	QTOF-PU\admin
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	PVK-N-Me-2-Me-IND-DM	ACQ Method	Pondicherry Universi	Comment	PVK-MB-287.1158	Acquired Time	31-08-2018 12:17:12



PROTON CDC13 {D:\MB} KOPAL 1

8.242
7.260
7.241
7.240
7.223
7.219
7.190
7.187
7.173
7.169
7.097
7.093
7.079
7.076
7.061
7.054
7.041
7.038
7.024
7.020

4.303
4.285
4.267
4.249
4.081
4.064
4.046
4.028

2.150

1.297
1.280
1.262
1.095
1.077
1.059

0.005

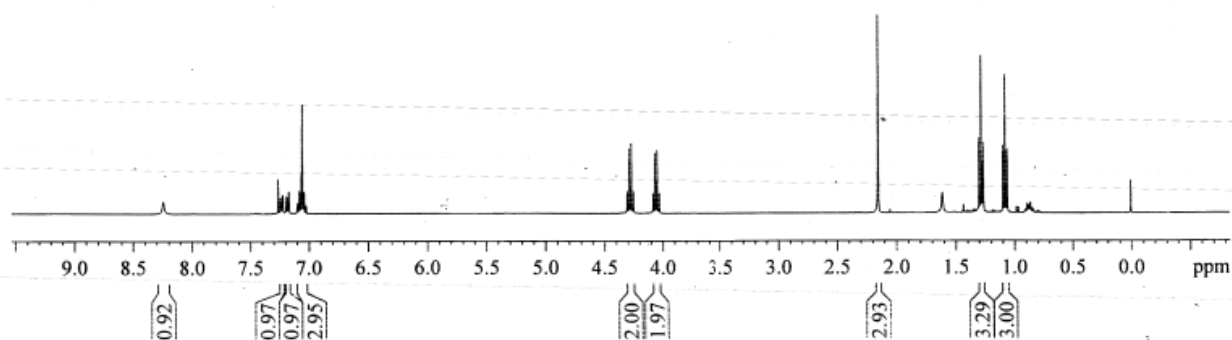
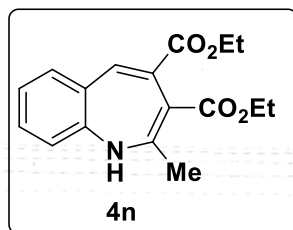
Current Data Parameters
NAME PVK-408
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters

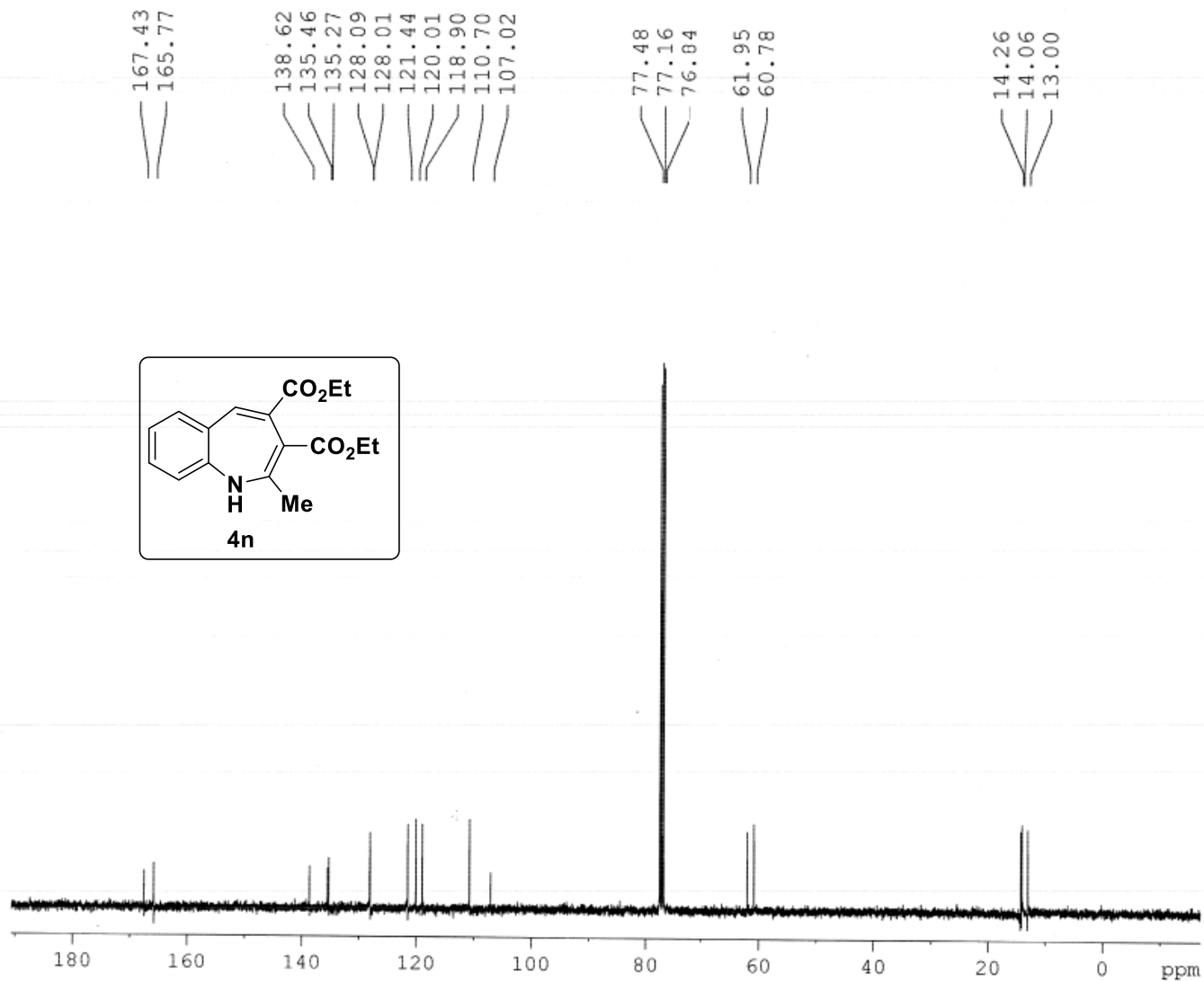
Date_ 20140811
Time_ 15.19
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zg30
TD 65536
SOLVENT CDC13
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 144
DW 60.800 usec
DE 6.00 usec
TE 295.3 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.42 usec
PL1 -3.00 dB
SF01 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300051 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



C13CPD CDC13 {D:\MB} KOPAL 1



Current Data Parameters
NAME PVK-408
EXPNO 2
PROCNO 1

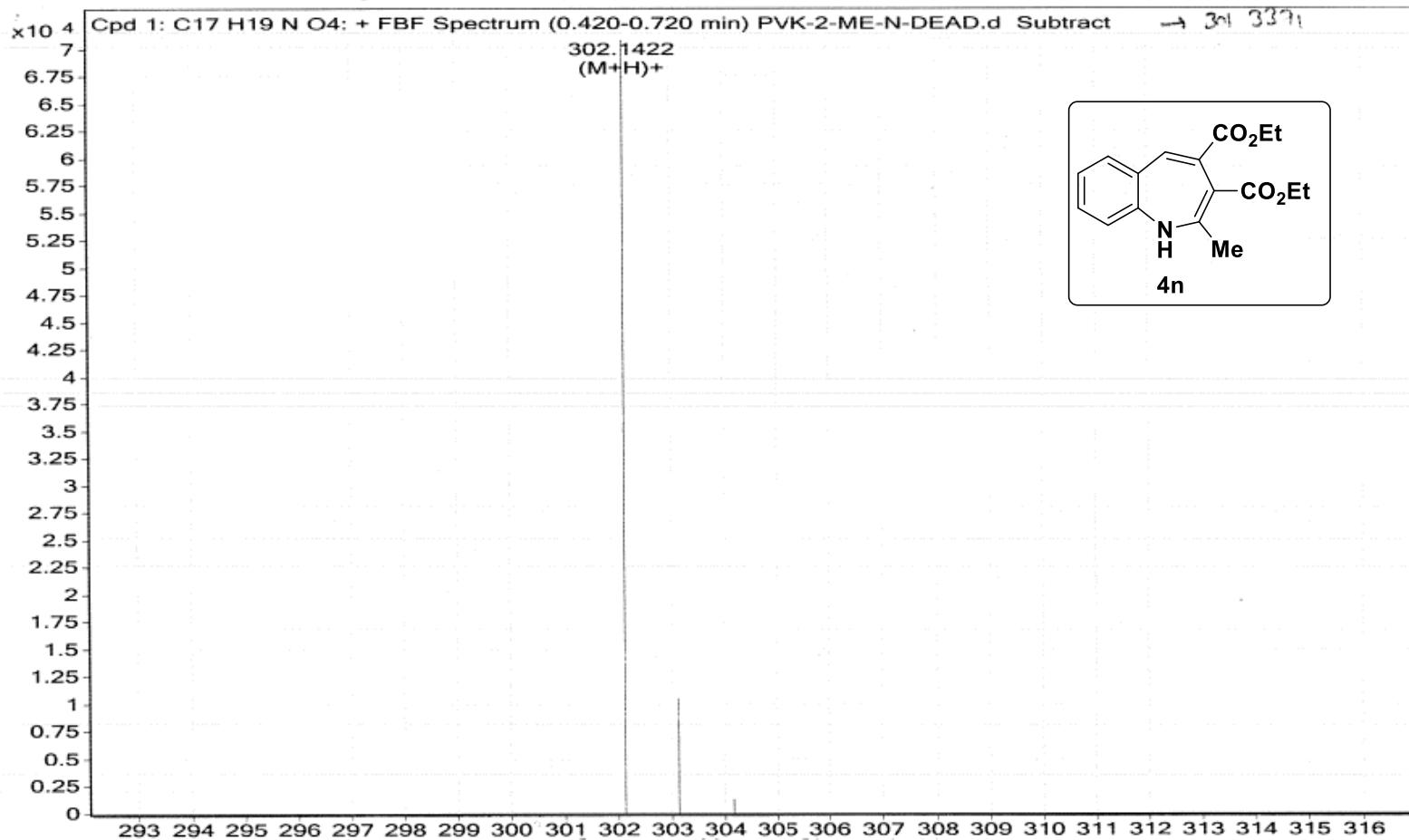
F2 - Acquisition Parameters
Date_ 20140811
Time 15.30
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zgpg30
TD 65536
SOLVENT CDC13
NS 174
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 45.2
DW 20.800 usec
DE 6.00 usec
TE 295.8 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.15 usec
PL1 0.00 dB
SFO1 100.6228298 MHz

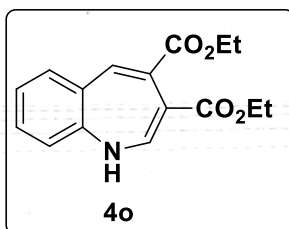
===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL12 14.90 dB
PL13 14.90 dB
PL2 -3.00 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127558 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Sample Name	PVK-2-ME-N-DEAD	Position		Instrument Name	Q-TOF	User Name	QTOF-PU\admin
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	PVK-2-ME-N-DEAD.d	ACQ Method	Pondicherry Universi	Comment	MB-PV-273.2839	Acquired Time	17-12-2014 11:38:03



8.54
7.50
7.50
7.36
7.34
7.32
7.30
7.26
7.19
7.18
7.17
7.17
7.15
7.15
7.13
7.11
7.09
7.09
6.93
4.34
4.32
4.30
4.29
4.10
4.08
4.06
4.04
1.33
1.32
1.30
1.09
1.07
1.05
0.00

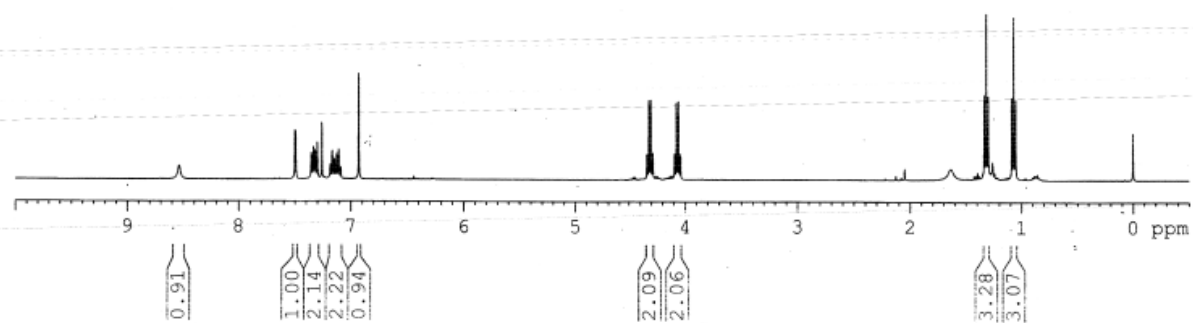


Current Data Parameters
NAME PVK-407
EXPNO 1
PROCNO 1

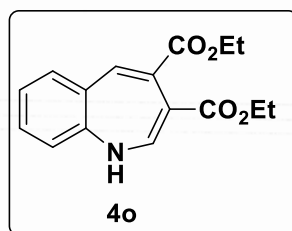
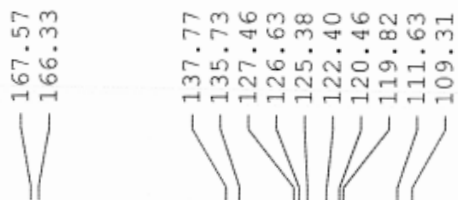
F2 - Acquisition Parameters
Date 20140811
Time 15.00
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 161
DW 60.800 usec
DE 6.00 usec
TE 295.3 K
D1 1.00000000 sec
TD0 1

----- CHANNEL f1 -----
NUC1 1H
P1 11.42 usec
PL1 -3.00 dB
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300051 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



CPD CDC13 {D:\MB} KOPAL 1



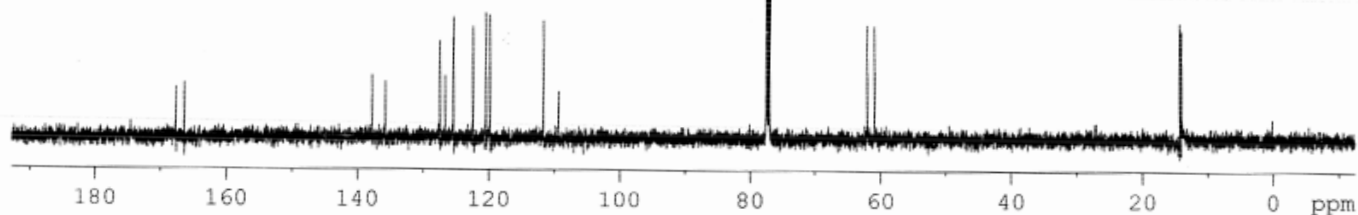
Current Data Parameters
NAME PVK-407
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date 20140811
Time 15.12
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zgpg30
TD 65536
SOLVENT CDC13
NS 199
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 32
DW 20.800 usec
DE 6.00 usec
TE 295.8 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TDO 1

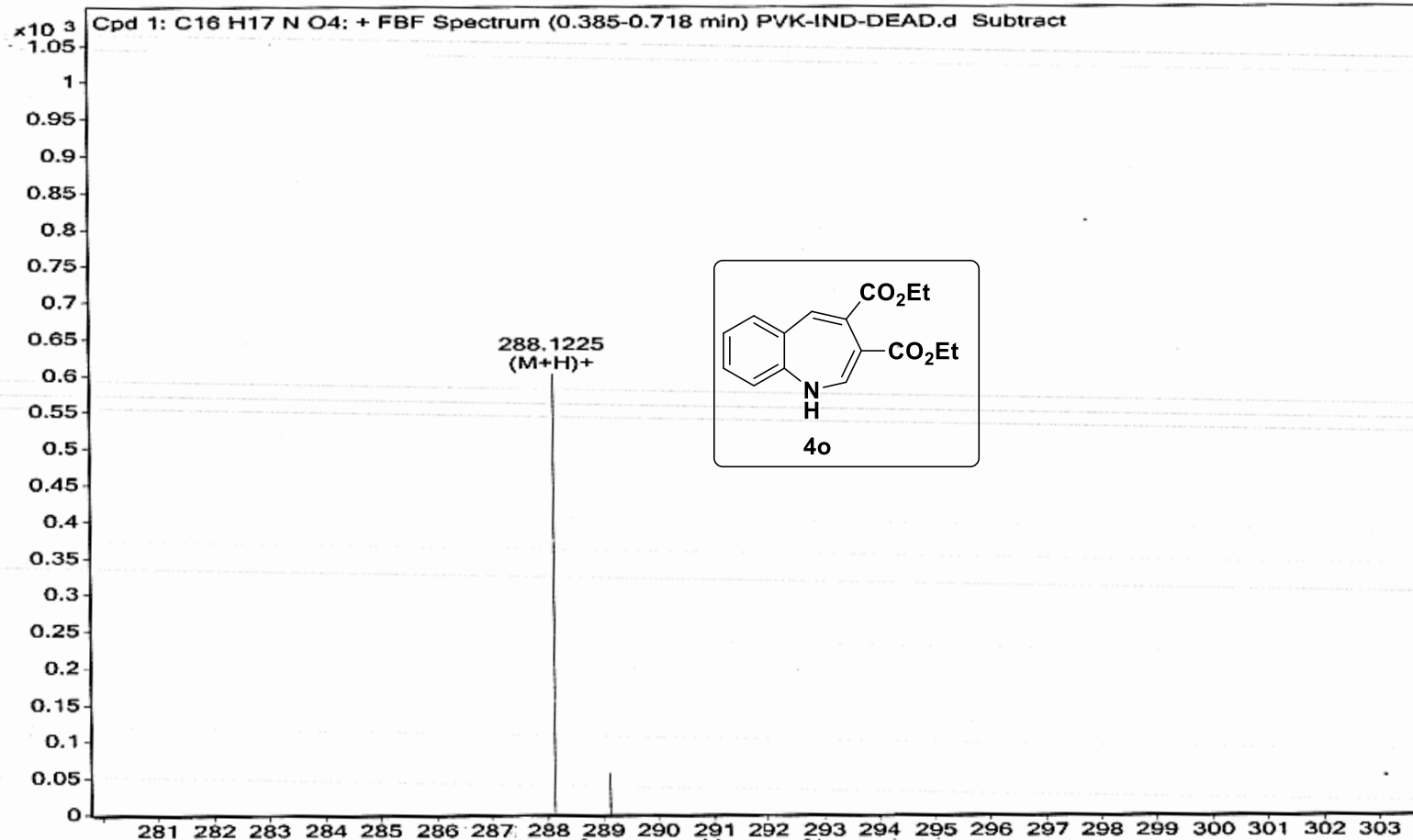
===== CHANNEL f1 =====
NUC1 13C
P1 9.15 usec
PL1 0.00 dB
SFO1 100.6228298 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL12 14.90 dB
PL13 14.90 dB
PL2 -3.00 dB
SFO2 400.1316005 MHz

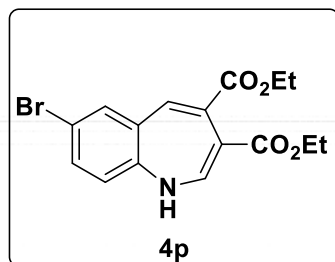
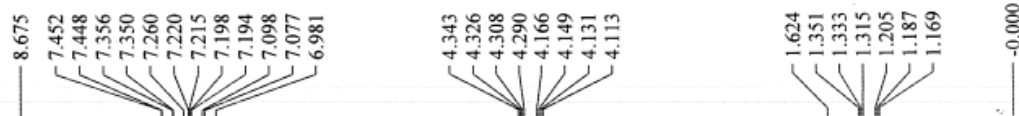
F2 - Processing parameters
SI 32768
SF 100.6127553 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



ame	PVK-IND-DEAD	Position		Instrument Name	Q-TOF	User Name	QTOF-PU\admin
	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Filename	PVK-IND-DEAD.d	ACQ Method	Pondicherry Universi	Comment	PVK-MB-287.3105	Acquired Time	03-02-2015 10:46:51



PROTON CDC13 {D:\MB} KOPAL 1

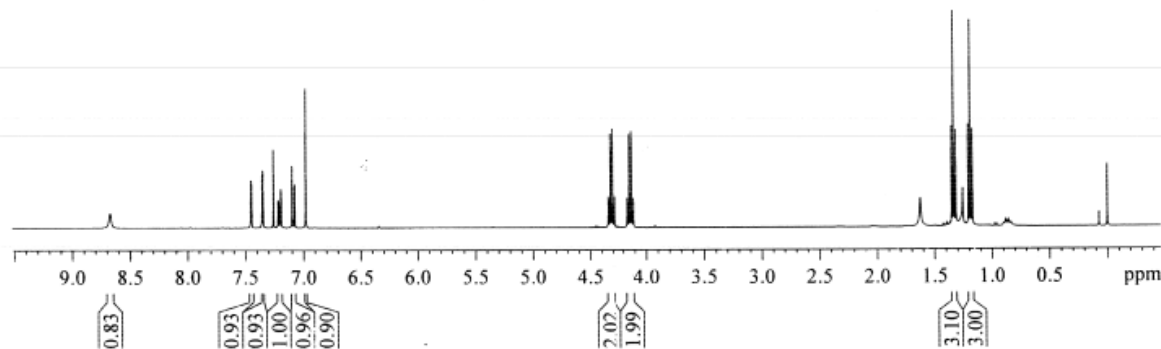


Current Data Parameters
 NAME PVK-415
 EXPNO 1
 PROCNO 1

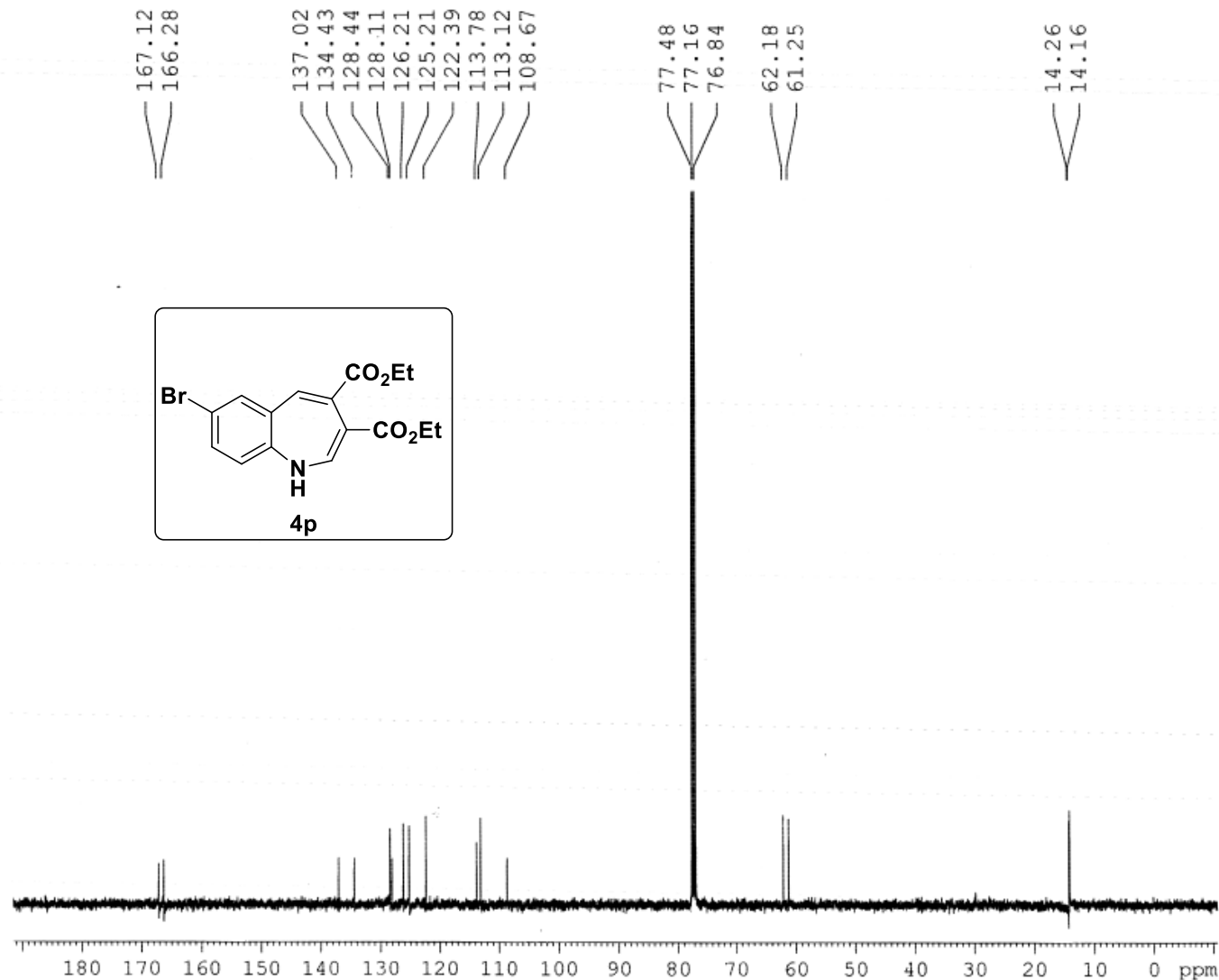
F2 - Acquisition Parameters
 Date_ 20140830
 Time_ 12.07
 INSTRUM spect
 PROBHD 5 mm DUL 13C-1
 PULPROG zg30
 TD 65536
 SOLVENT CDC13
 NS 16
 DS 2
 SWH 8223.685 Hz
 FIDRES 0.125483 Hz
 AQ 3.9846387 sec
 RG 161
 DW 60.800 usec
 DE 6.00 usec
 TE 294.5 K
 D1 1.00000000 sec
 TD0 1

===== CHANNEL f1 =====
 NUC1 1H
 P1 11.42 usec
 PL1 -3.00 dB
 SFO1 400.1324710 MHz

F2 - Processing parameters
 SI 32768
 SF 400.1300051 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 FC 1.00



C13CPD CDCl3 {D:\MB} KOPAL 1



Current Data Parameters
NAME PVK-415
EXPNO 2
PROCNO 1

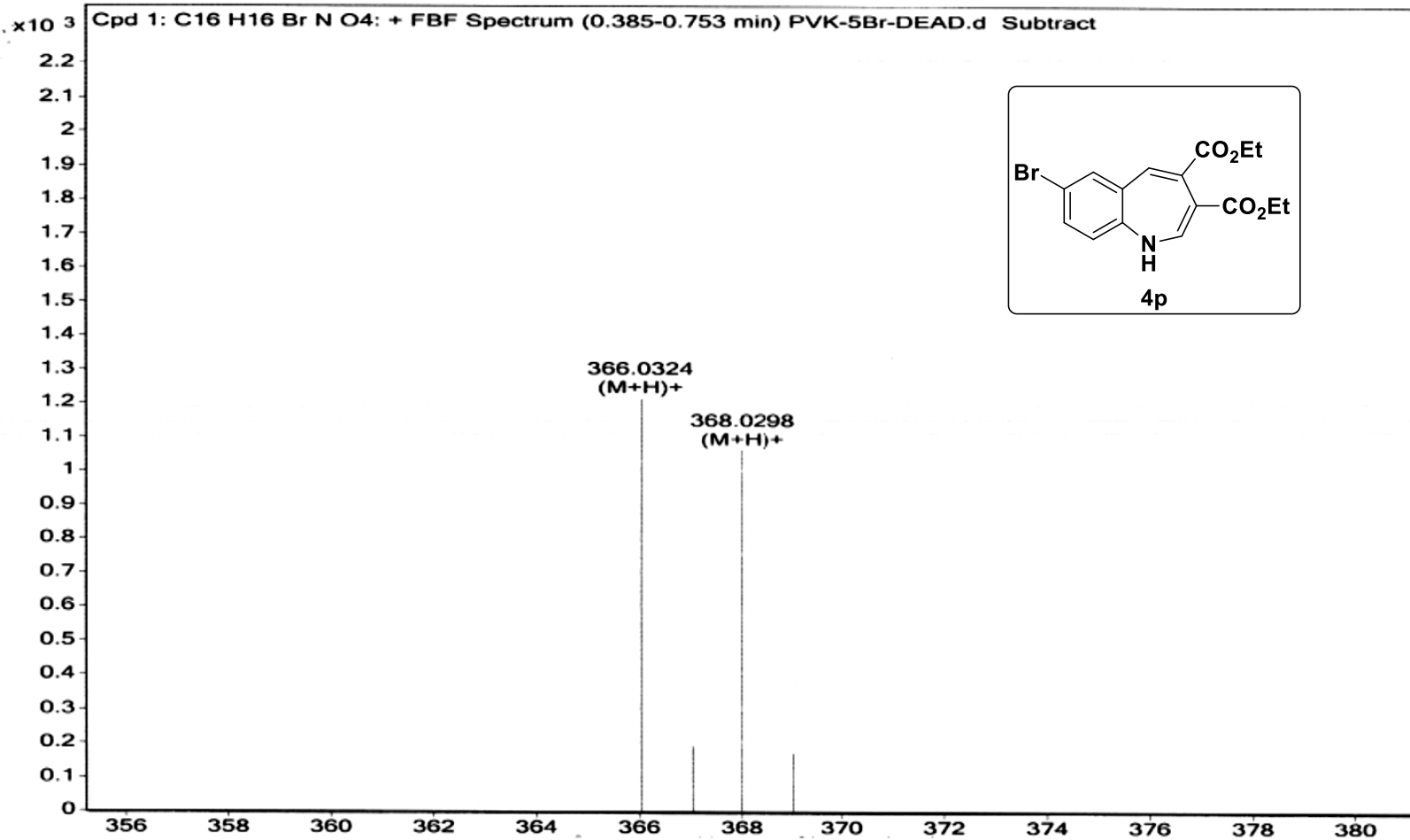
F2 - Acquisition Parameters
Date_ 20140901
Time 10.16
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 256
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 36
DW 20.800 usec
DE 6.00 usec
TE 295.3 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.15 usec
PL1 0.00 dB
SFO1 100.6228298 MHz

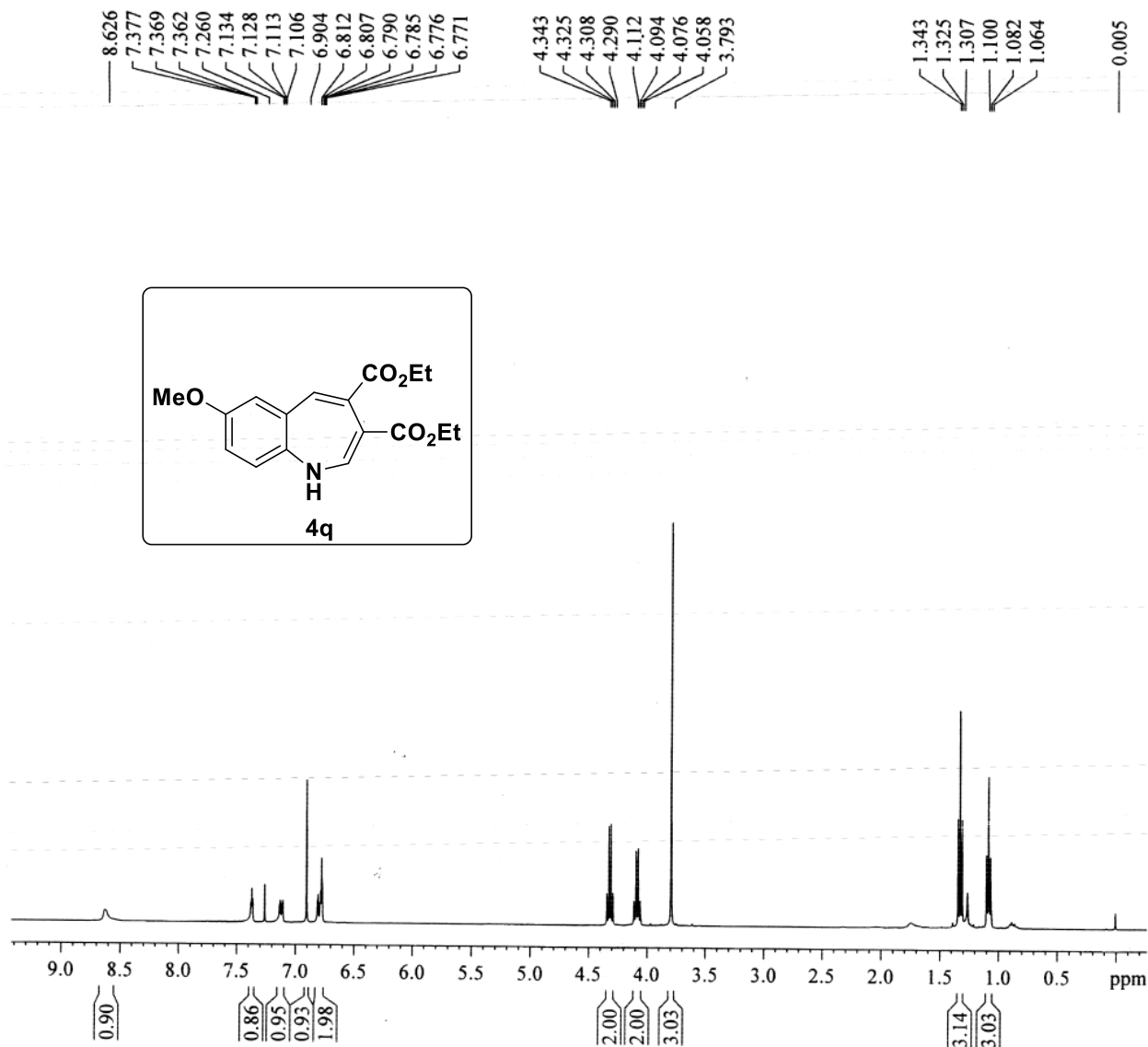
===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL12 14.90 dB
PL13 14.90 dB
PL2 -3.00 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127553 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

File Name	Position	Instrument Name	User Name
PVK-5Br-DEAD	-1	Q-TOF	QTOF-PU\admin
Sample	InjPosition	Sample	IRM Calibration Status
PVK-5Br-DEAD.d	Pondicherry Universi	MM-MB-366.2065	Success
ACQ Method	Comment	Acquired Time	
		02-01-2015 11:51:35	



PROTON CDCl3 {D:\MB} KOPAL 1



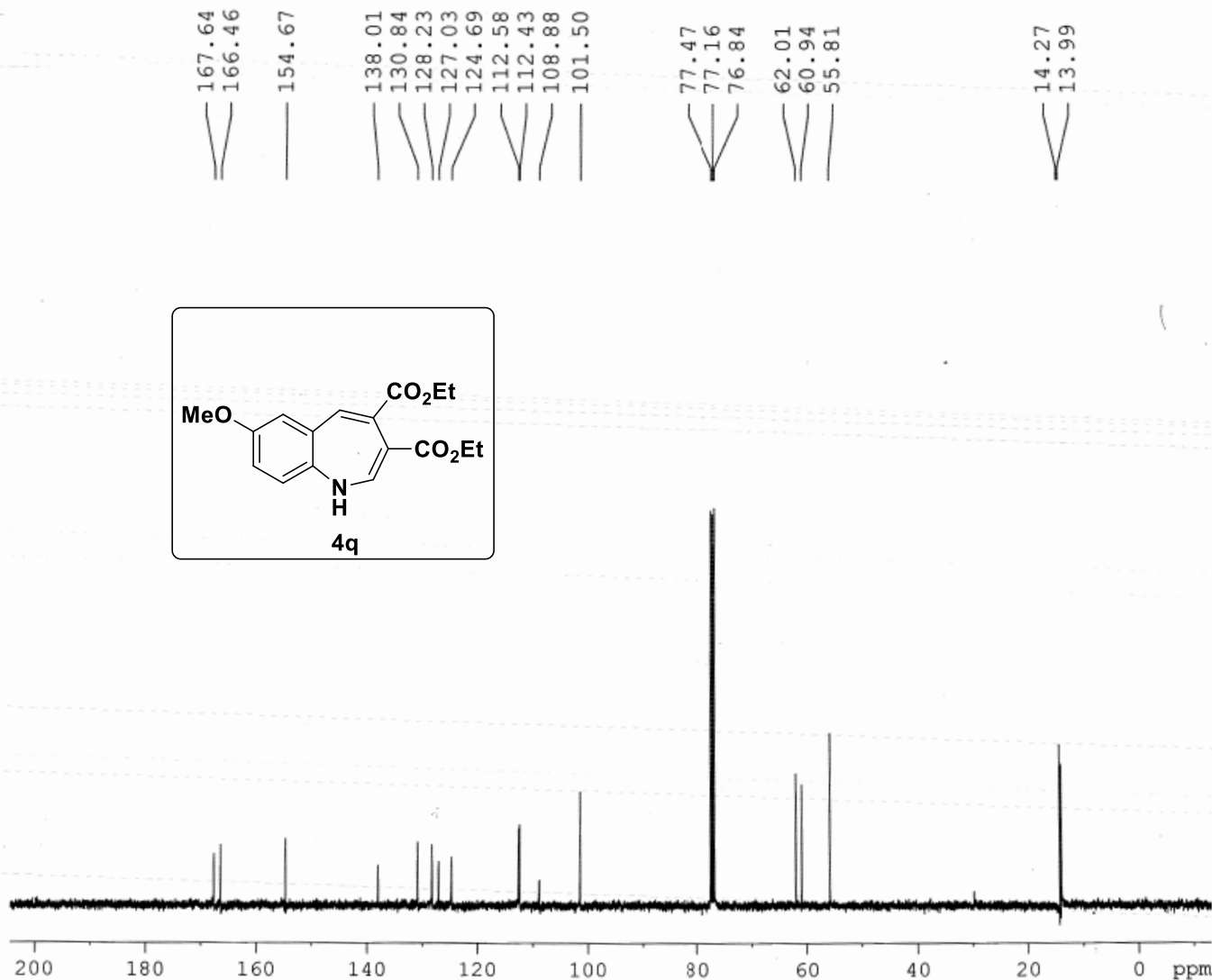
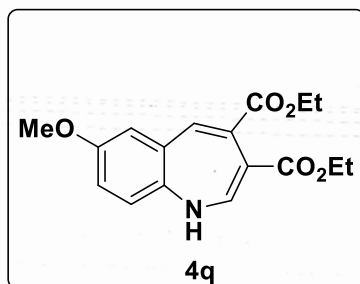
Current Data Parameters
 NAME PVK-416
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20140901
 Time_ 11.54
 INSTRUM spect
 PROBHD 5 mm DUL 13C-1
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 8223.685 Hz
 FIDRES 0.125483 Hz
 AQ 3.9846387 sec
 RG 90.5
 DW 60.800 usec
 DE 6.00 usec
 TE 294.7 K
 D1 1.00000000 sec
 TDO 1

===== CHANNEL f1 =====
 NUC1 1H
 P1 11.42 usec
 PL1 -3.00 dB
 SFO1 400.1324710 MHz

F2 - Processing parameters
 SI 32768
 SF 400.1300049 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

JCPD CDC13 {D:\MB} KOPAL 1



Current Data Parameters
NAME PVK-416
EXPNO 2
PROCNO 1

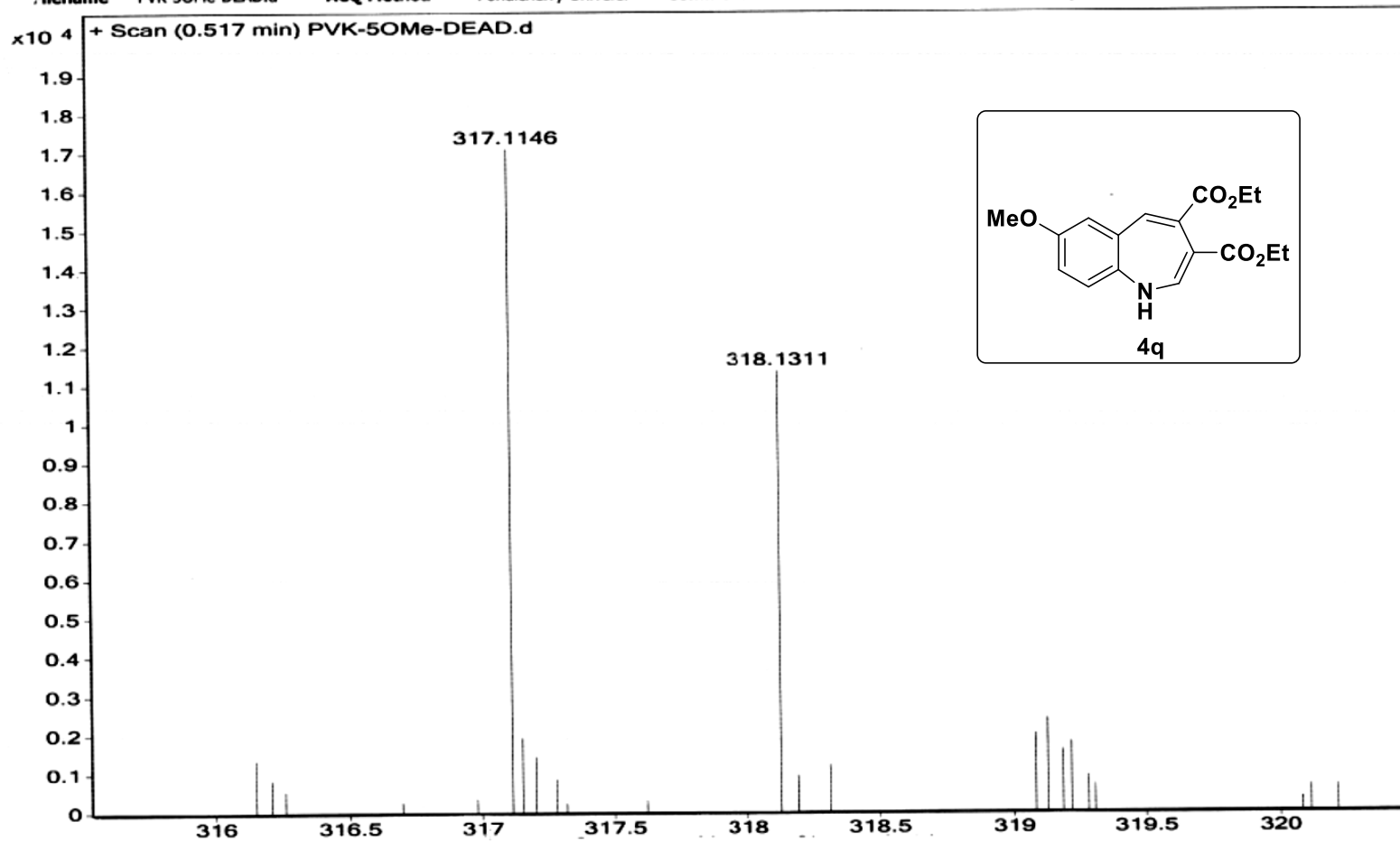
F2 - Acquisition Parameters
Date 20140901
Time 12.03
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zgpg30
TD 65536
SOLVENT CDC13
NS 150
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 57
DW 20.800 usec
DE 6.00 usec
TE 295.1 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.15 usec
PL1 0.00 dB
SFO1 100.6228298 MHz

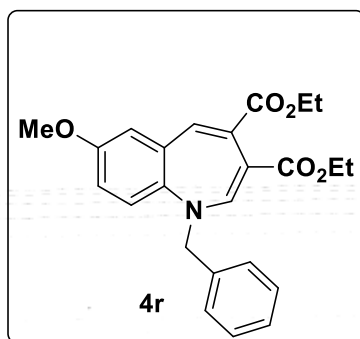
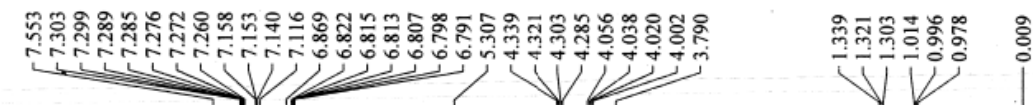
===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL12 14.90 dB
PL13 14.90 dB
PL2 -3.00 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127591 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Sample Name	PVK-5-OMe-DEAD	Position		Instrument Name	Q-TOF	User Name	QTOF-PU\admin
Injection	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Filename	PVK-5OMe-DEAD.d	ACQ Method	Pondicherry Universi	Comment	PVK-MB-317.1263	Acquired Time	22-04-2015 11:50:35



PROTON CDC13 {D:\MB} KOPAL 1

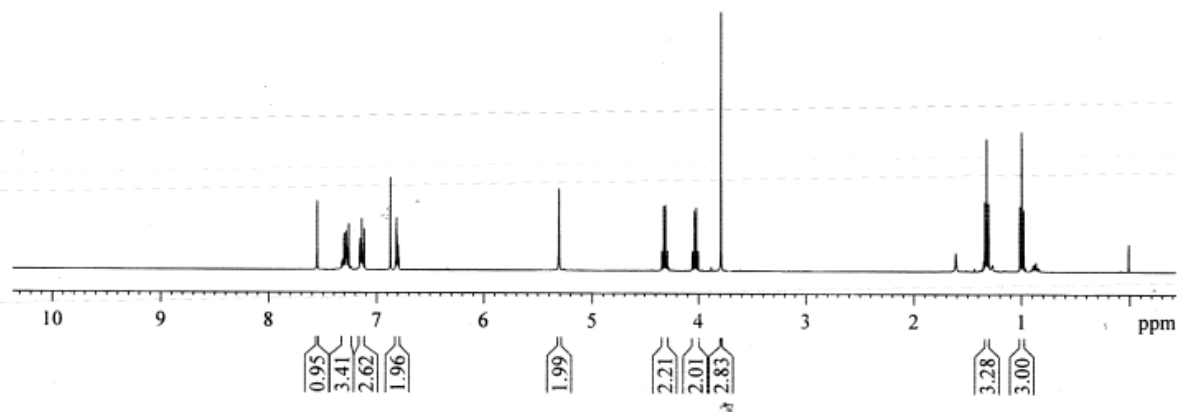


Current Data Parameters
NAME PVK-414
EXPNO 1
PROCNO 1

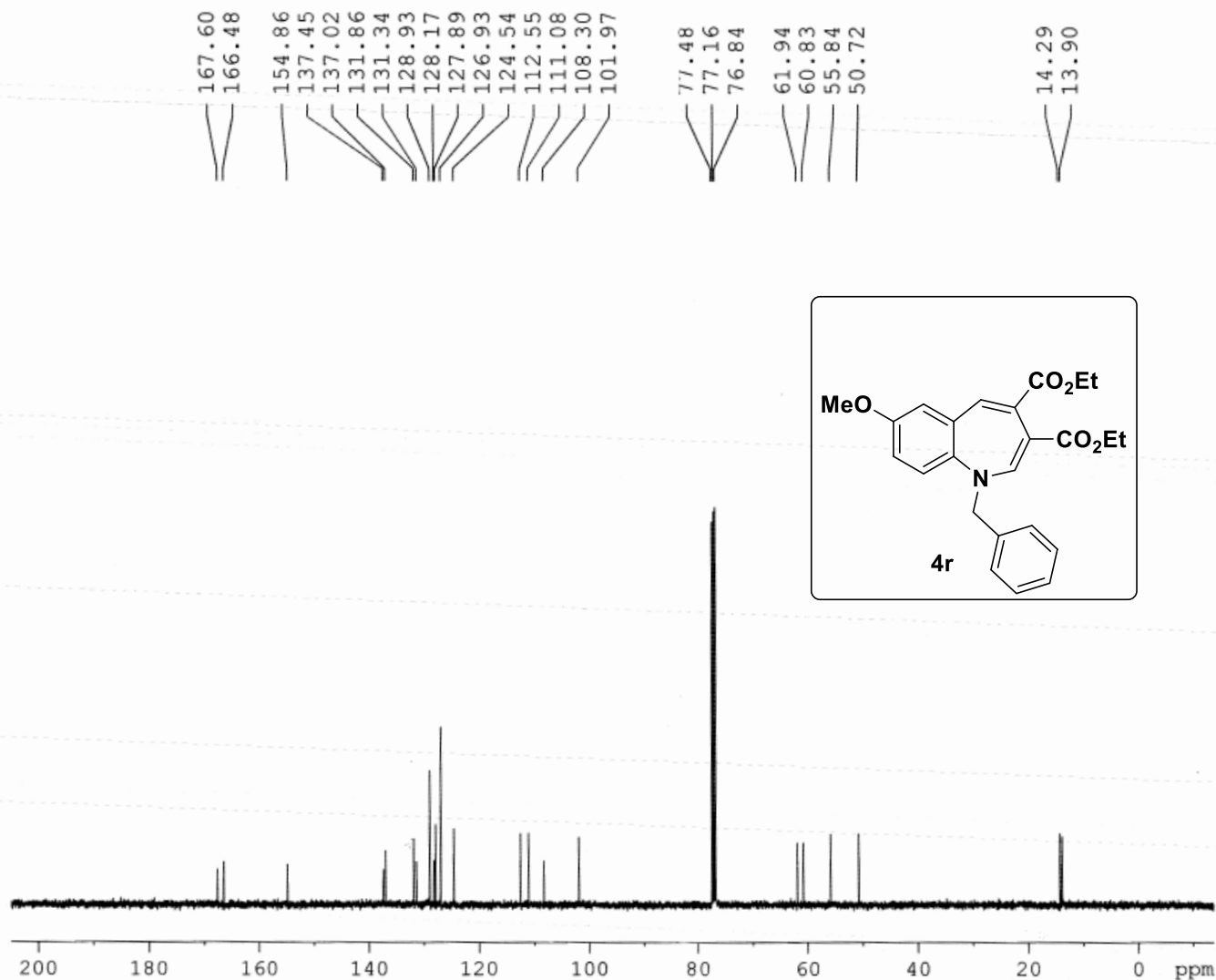
F2 - Acquisition Parameters
Date 20140826
Time 15.43
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zg30
TD 65536
SOLVENT CDC13
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 114
DW 60.800 usec
DE 6.00 usec
TE 297.4 K
D1 1.00000000 sec
TDO 1

----- CHANNEL f1 -----
NUC1 1H
P1 11.42 usec
PL1 -3.00 dB
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300048 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



C13CPD CDC13 {D:\MB} KOPAL 1



Current Data Parameters
NAME PVK-414
EXPNO 2
PROCNO 1

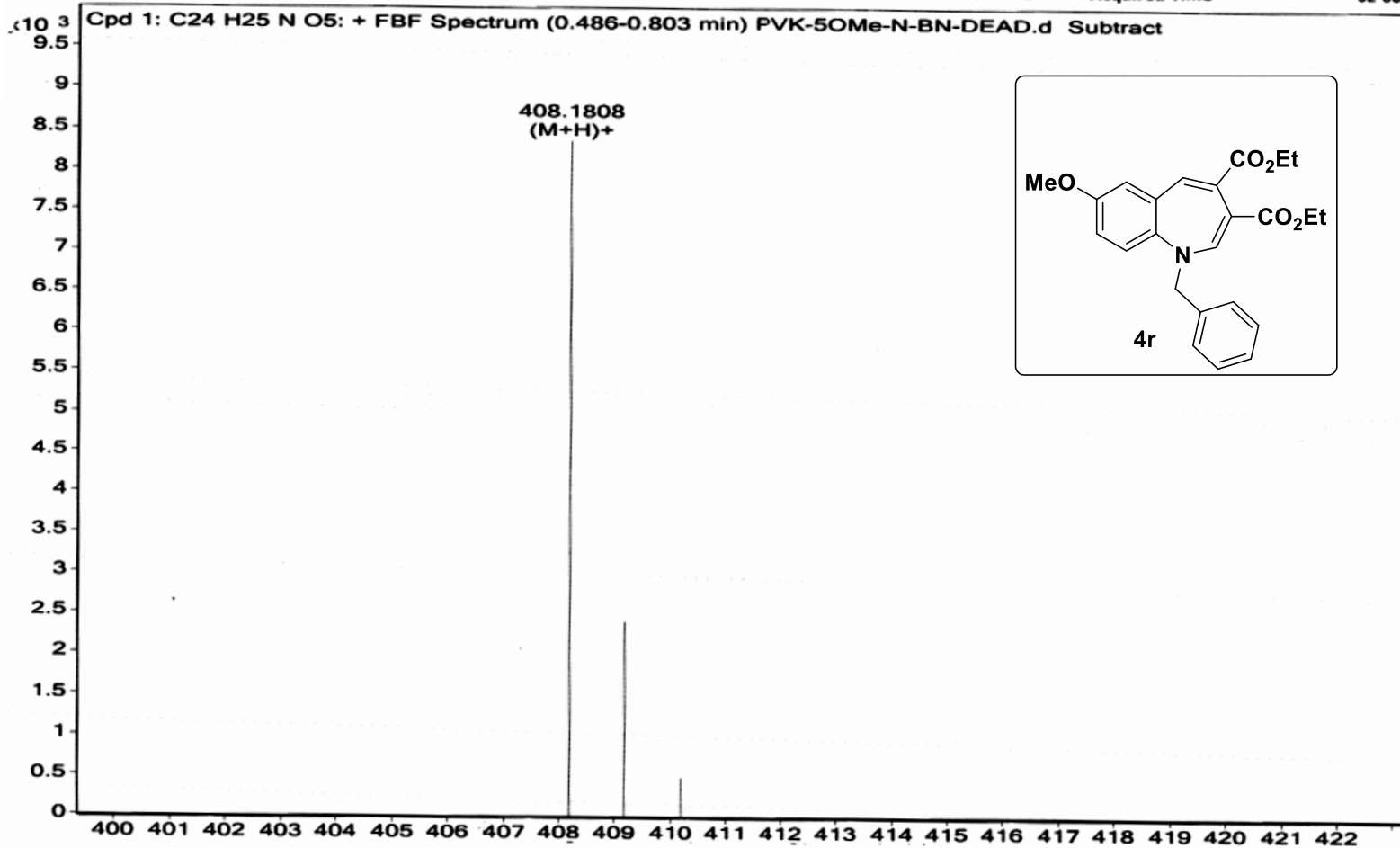
F2 - Acquisition Parameters
Date_ 20140826
Time 15.52
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zgpg30
TD 65536
SOLVENT CDC13
NS 139
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 36
DW 20.800 usec
DE 6.00 usec
TE 298.0 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TDO 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.15 usec
PL1 0.00 dB
SFO1 100.6228298 MHz

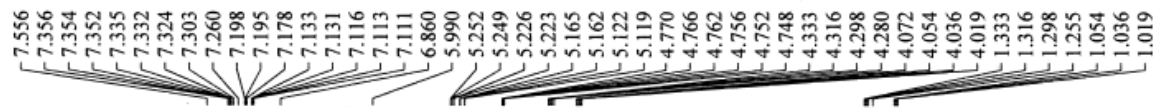
===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL12 14.90 dB
PL13 14.90 dB
PL2 -3.00 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127558 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Name	PVK-5OMe-N-BN-DEAD	Position		Instrument Name	Q-TOF	User Name	QTOF-PU\admin
Id	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Filename	PVK-5OMe-N-BN-DEAD.d	ACQ Method	Pondicherry Universi	Comment	PVK-MB-407.1733	Acquired Time	02-06-2015 12:50:21

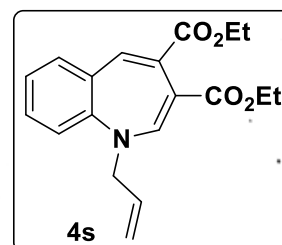


PROTON CDC13 {D:\MB} KOPAL 1



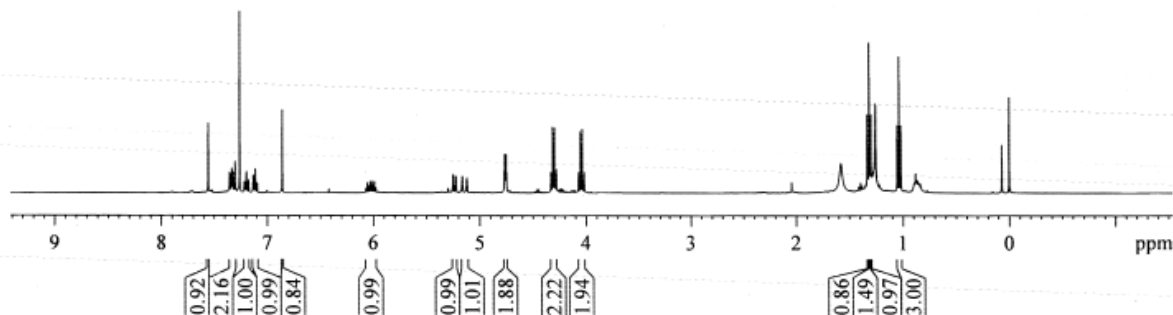
Current Data Parameters
 NAME PVK-413
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date 20140825
 Time 12.33
 INSTRUM spect
 PROBHD 5 mm BUL 13C-1
 PULPROG zg30
 TD 65536
 SOLVENT CDC13
 NS 32
 DS 2
 SWH 8223.685 Hz
 FIDRES 0.125483 Hz
 AQ 3.9846387 sec
 RG 228
 DW 60.800 usec
 DE 6.00 usec
 TE 296.2 K
 D1 1.00000000 sec
 TD0 1

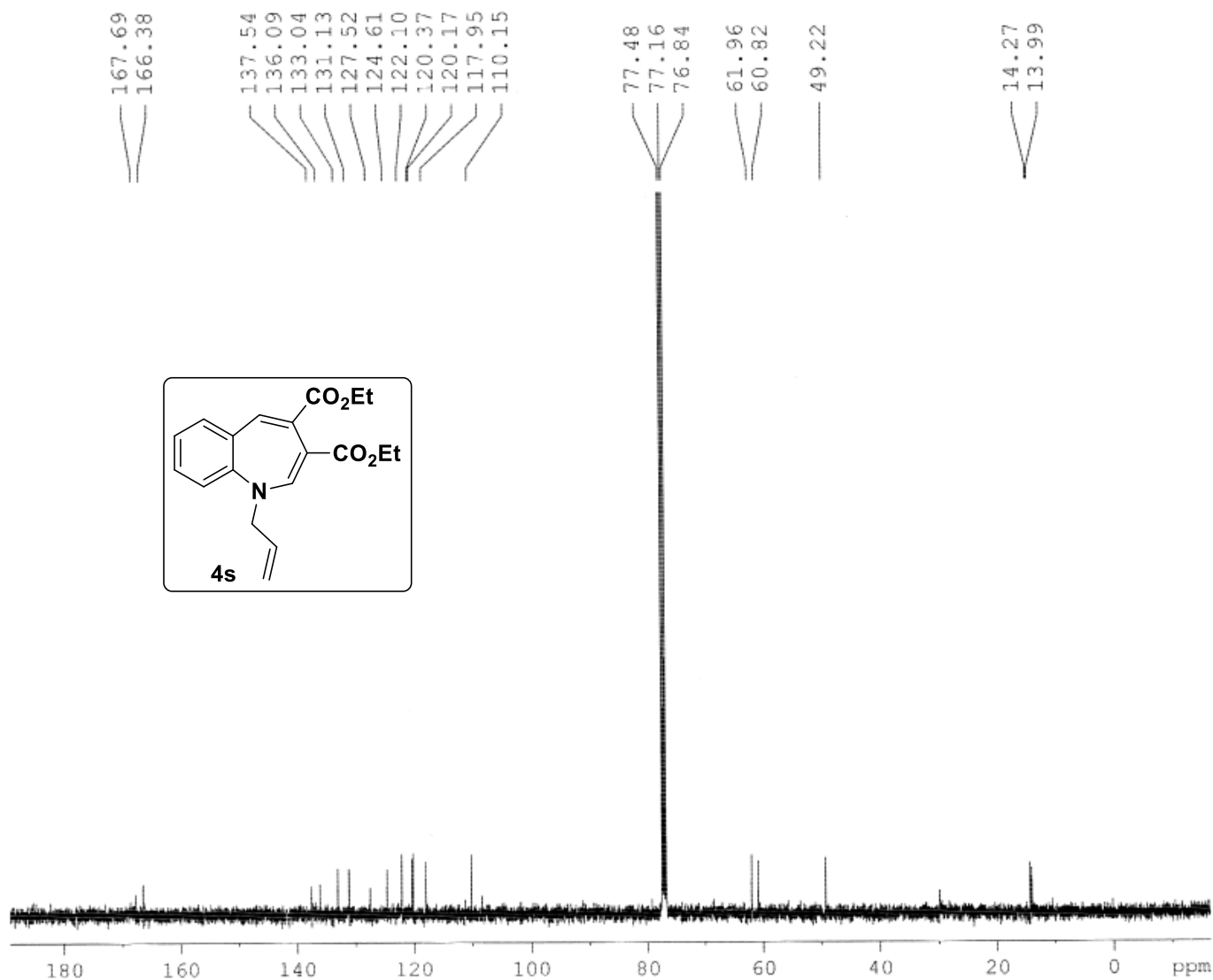


===== CHANNEL f1 =====
 NUC1 1H
 P1 11.42 usec
 PL1 -3.00 dB
 SFO1 400.1324710 MHz

F2 - Processing parameters
 SI 32768
 SF 400.1300051 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



CPD CDC13 {D:\MB} KOPAL 1



Current Data Parameters
NAME PVE 411
EXPNO 1
PROCNO 1

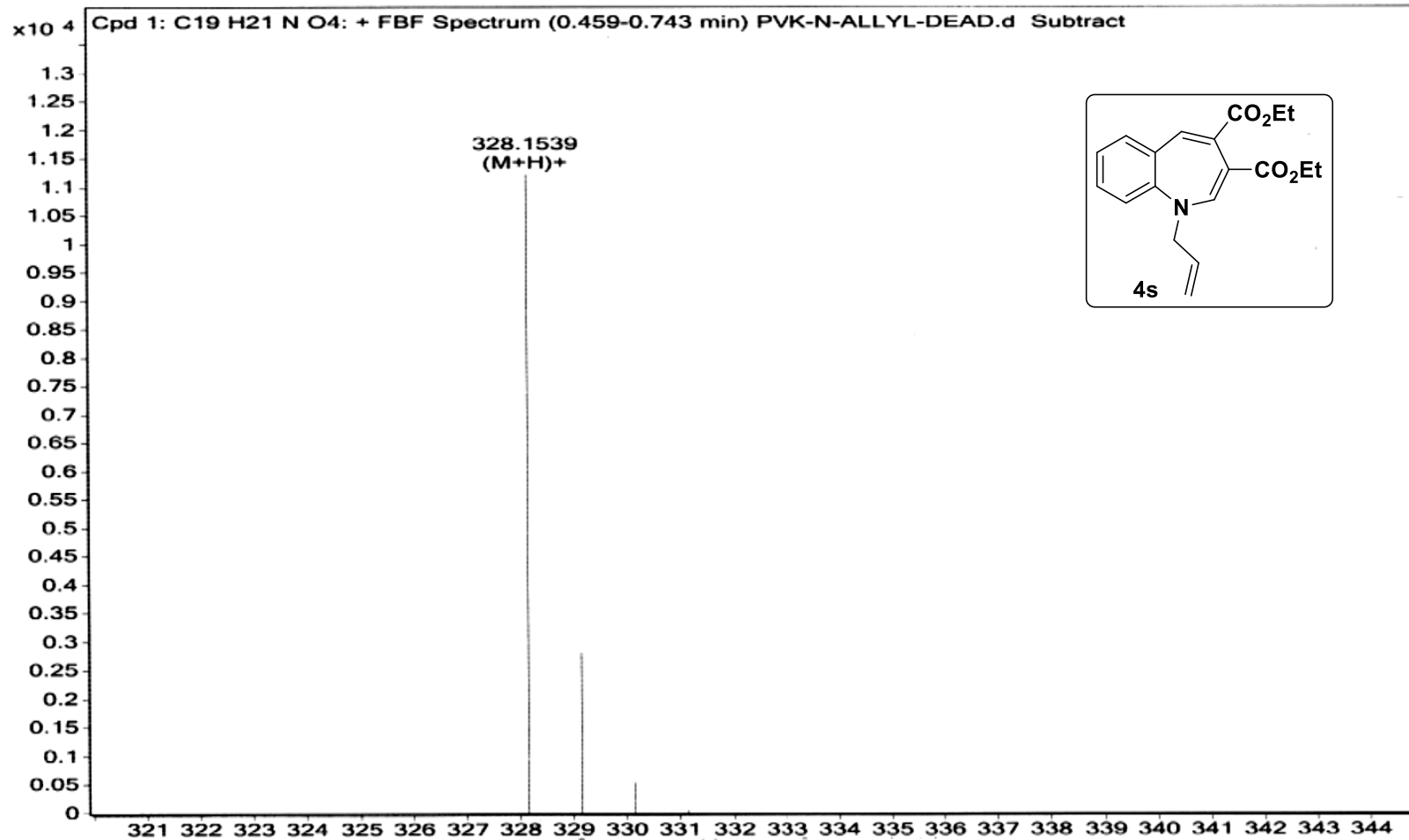
F2 - Acquisition Parameters
Date_ 20140825
Time_ 13.03
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zgpg30
TD 65536
SOLVENT CDC13
NS 512
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 64
DW 20.800 usec
DE 6.00 usec
TE 296.3 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.15 usec
PL1 0.00 dB
SFO1 100.6228298 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL12 14.90 dB
PL13 14.90 dB
PL2 -3.00 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127533 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Name	Position	Instrument Name	User Name
PVK-N-Allyl-DEAD		Q-TOF	QTOF-PU\admin
-1	InjPosition	Sample	IRM Calibration Status
PVK-N-ALLYL-DEAD.d	ACQ Method	Comment	Acquired Time
	Pondicherry Universi	PVK-MB-327.1770	22-04-2015 14:31:00



PROTON CDC13 {D:\MB} KOPAL 1

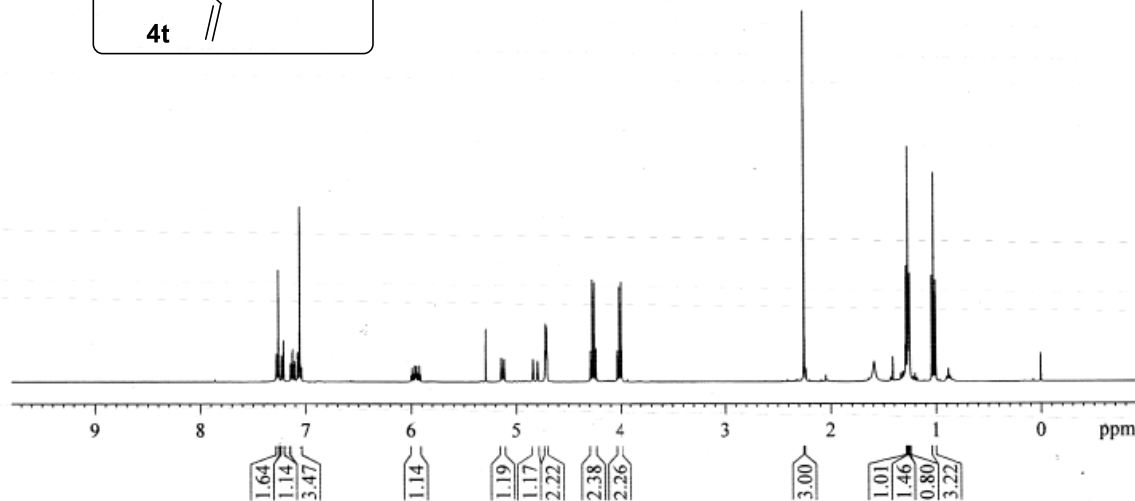
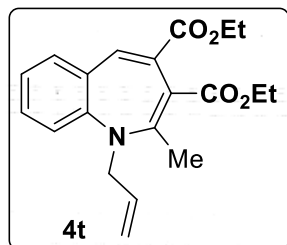


Current Data Parameters
NAME PVK-412
EXPNO 1
PROCNO 1

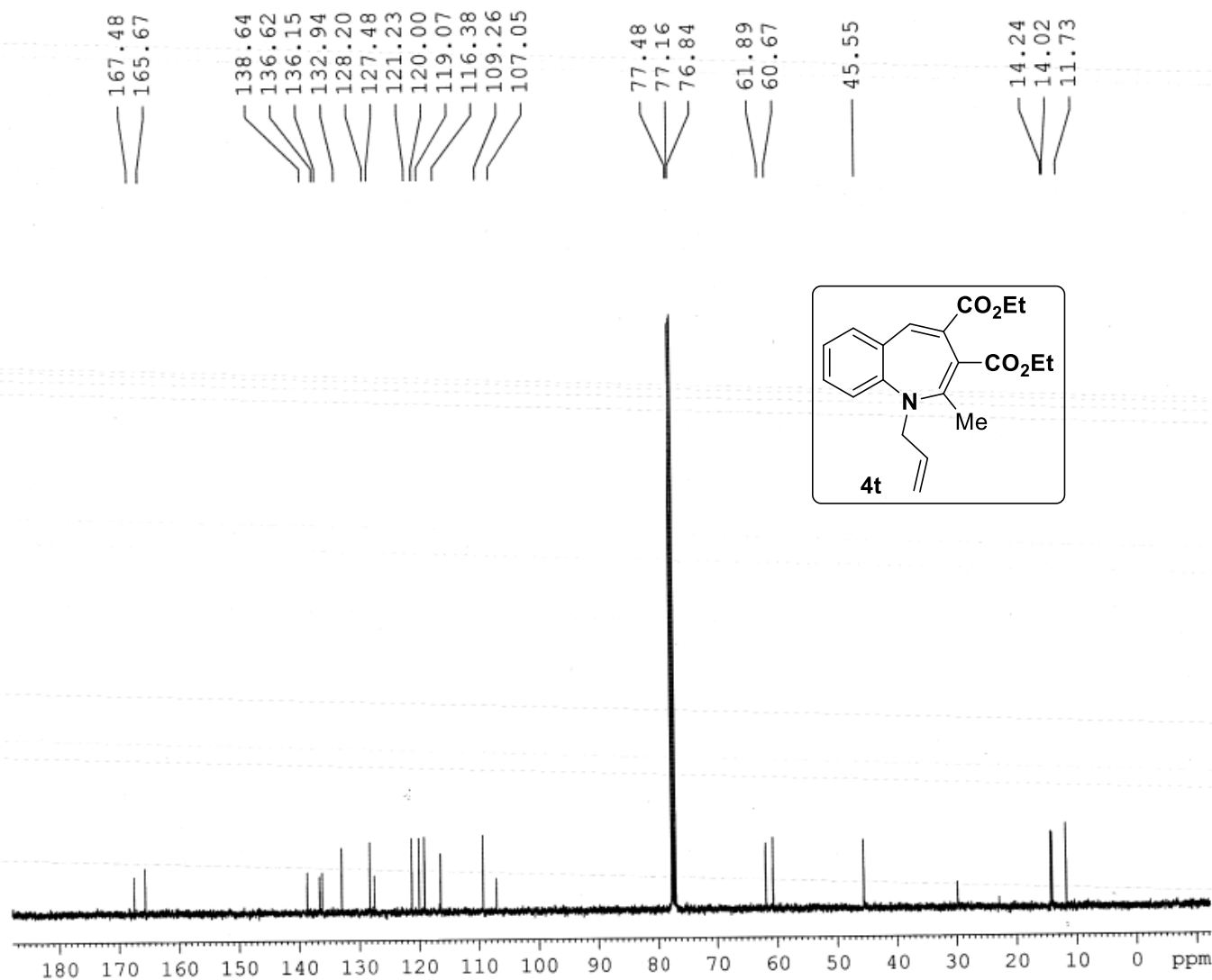
F2 - Acquisition Parameters
Date_ 20140825
Time 14.10
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zg30
TD 65536
SOLVENT CDC13
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 128
DW 60.800 usec
DE 6.00 usec
TE 295.3 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.42 usec
PL1 -3.00 dB
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300051 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



¹³CPD CDC13 {D:\MB} KOPAL 1



Current Data Parameters
NAME PVK-412
EXPNO 2
PROCNO 1

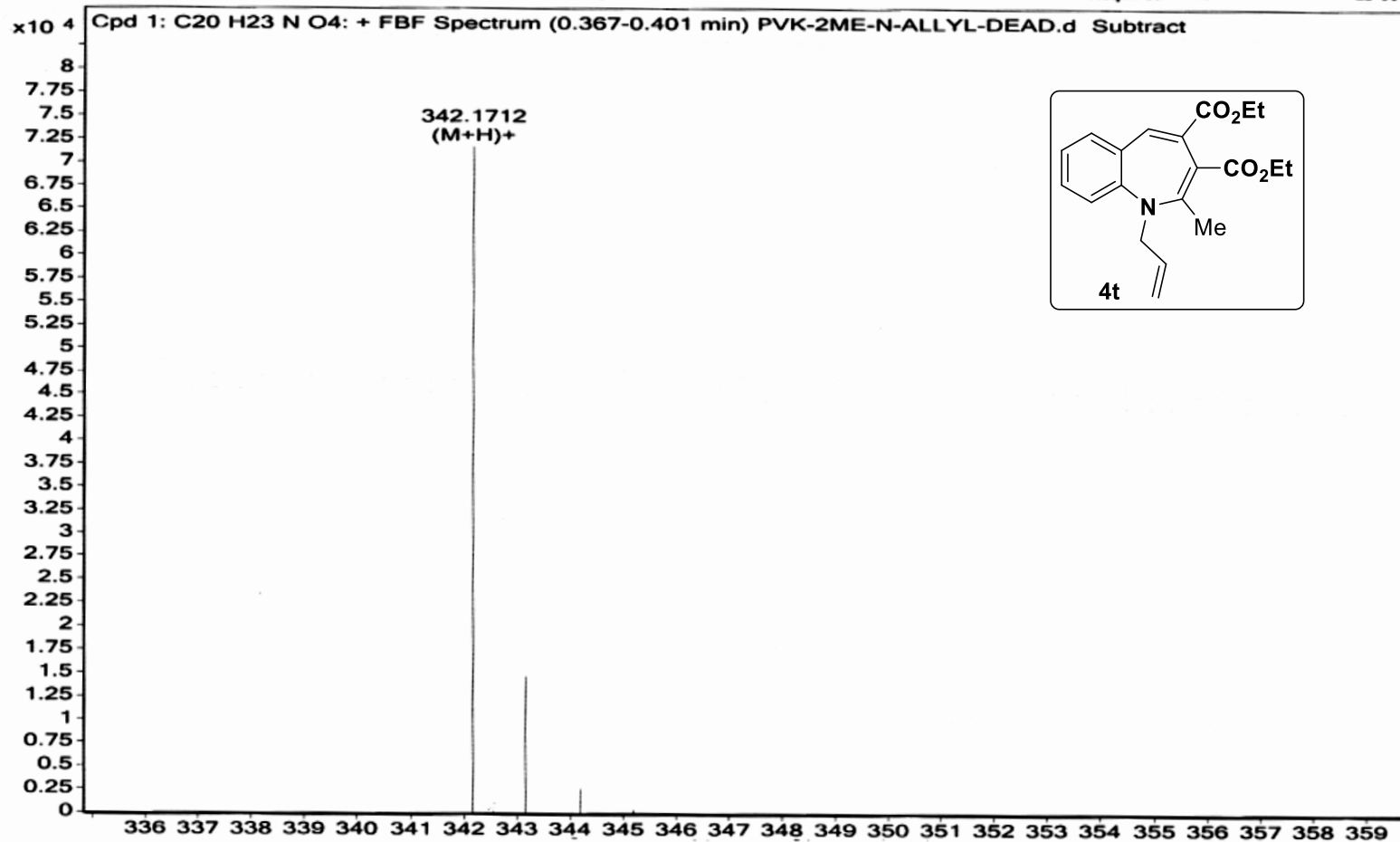
F2 - Acquisition Parameters
Date 20140825
Time 14.20
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zgpg30
TD 65536
SOLVENT CDC13
NS 256
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 64
DW 20.800 usec
DE 6.00 usec
TE 296.1 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.15 usec
PL1 0.00 dB
SFO1 100.6228298 MHz

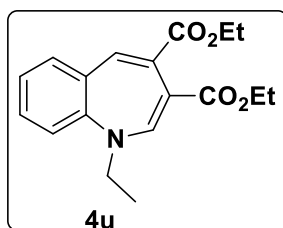
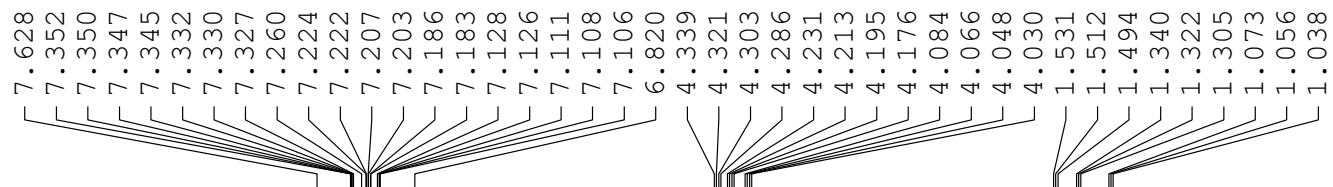
===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL12 14.90 dB
PL13 14.90 dB
PL2 -3.00 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127553 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Sample Name	PVK-2ME-N-ALLYL-DEAD	Position		Instrument Name	Q-TOF	User Name	QTOF-PU\admin
Sample ID	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Sample Filename	PVK-2ME-N-ALLYL-DEAD	ACQ Method	Pondicherry Universi	Comment	PVK-MB-341.1627	Acquired Time	23-06-2015 14:29:25



PROTON CDC13 {D:\MB} KOPAL 1

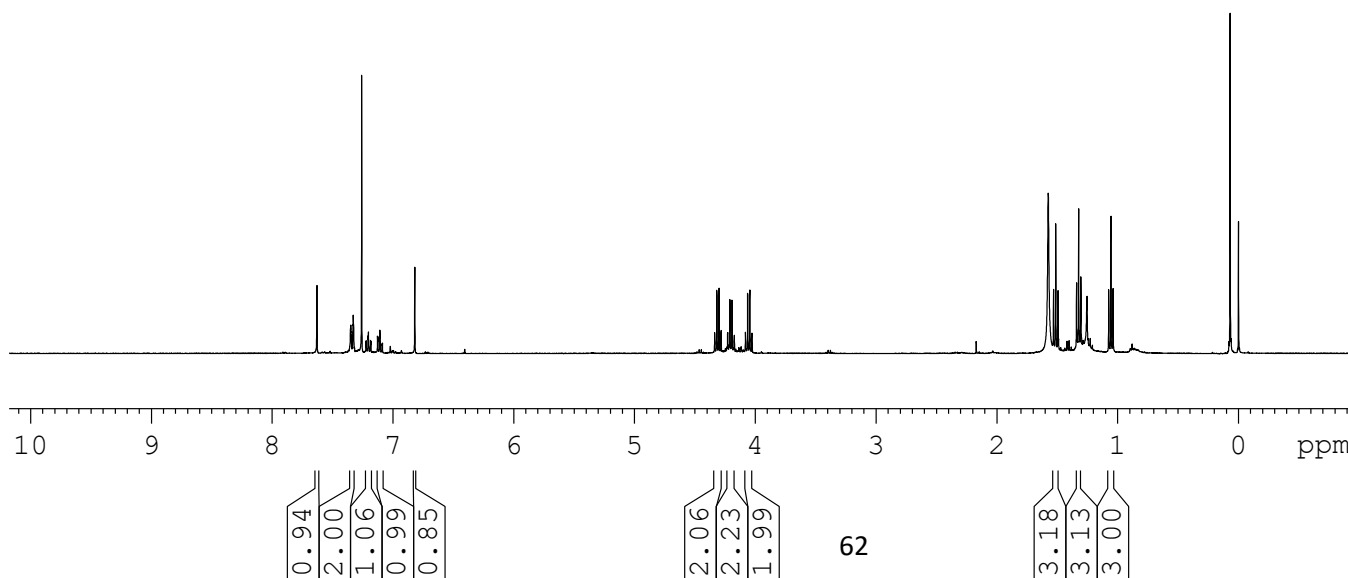


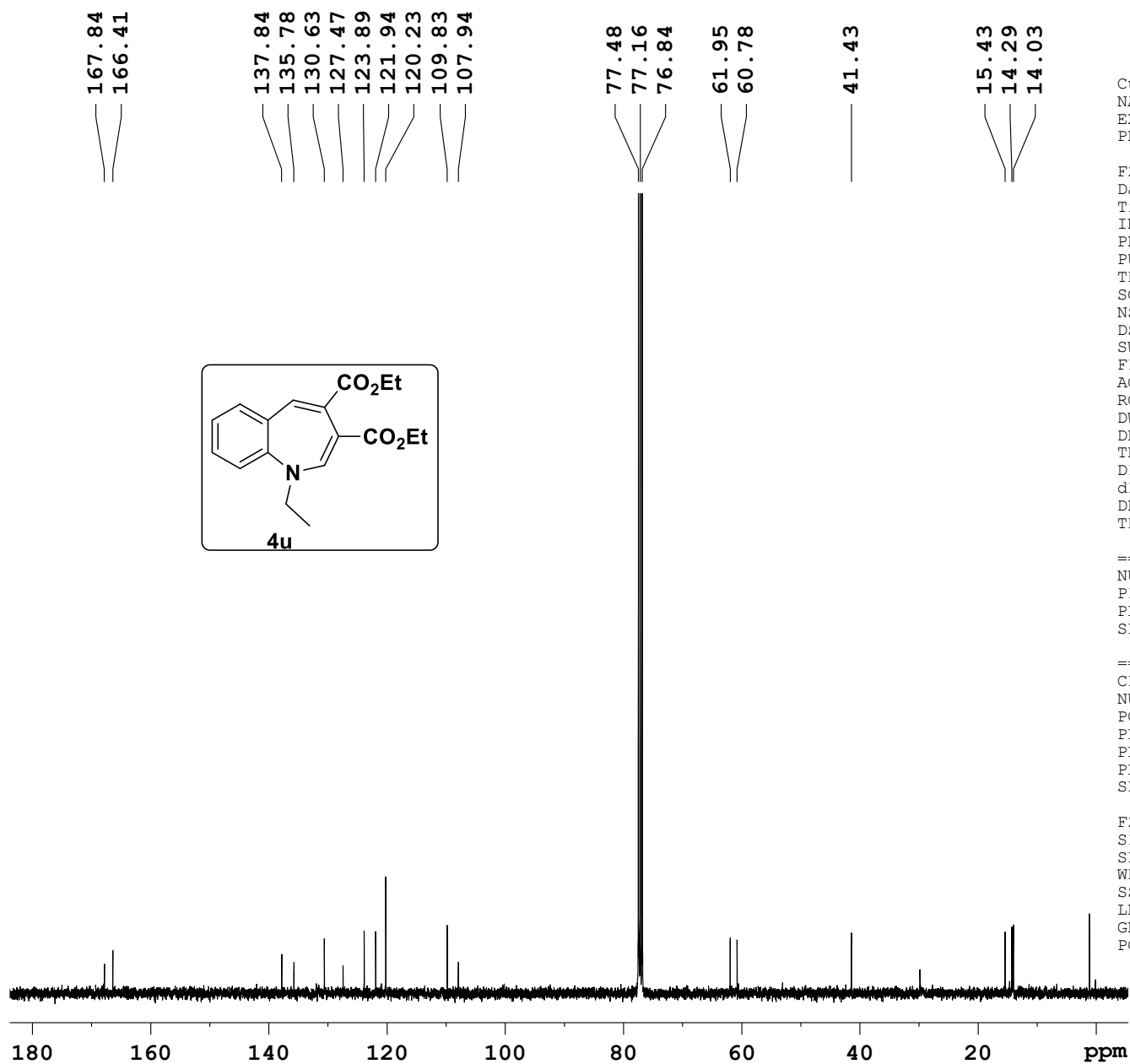
Current Data Parameters
NAME PVK-N-ET-DEAD-II
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20150415
Time 14.43
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zg30
TD 65536
SOLVENT CDC13
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 228
DW 60.800 usec
DE 6.00 usec
TE 296.2 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.42 usec
PL1 -3.00 dB
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300051 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





Current Data Parameters
 NAME PVK-N-ET-DEAD-III
 EXPNO 1
 PROCNO 1

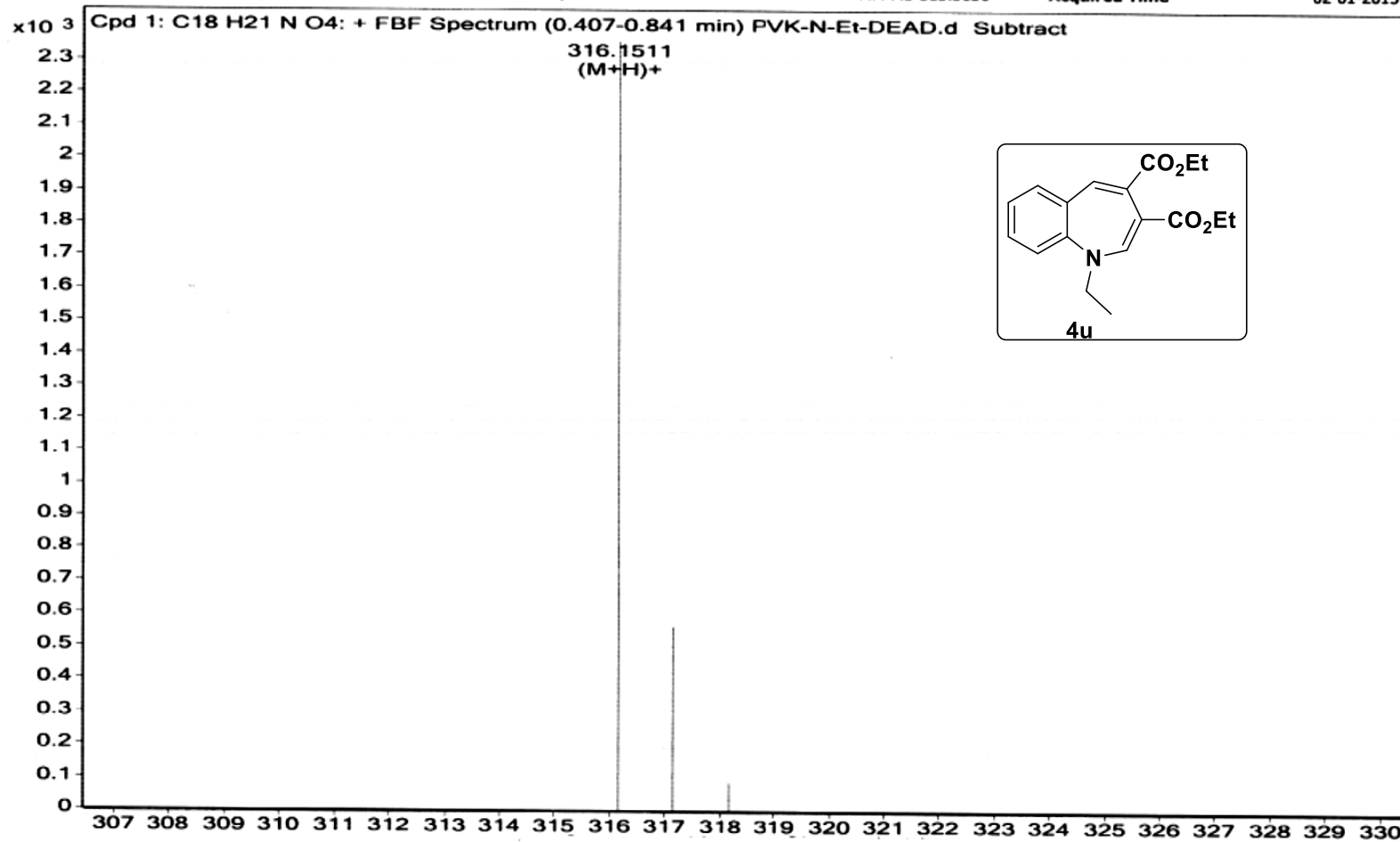
F2 - Acquisition Parameters
 Date_ 20150420
 Time_ 13.54
 INSTRUM spect
 PROBHD 5 mm DUL 13C-1
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 1024
 DS 4
 SWH 24038.461 Hz
 FIDRES 0.366798 Hz
 AQ 1.3631988 sec
 RG 32
 DW 20.800 usec
 DE 6.00 usec
 TE 296.0 K
 D1 2.00000000 sec
 d11 0.03000000 sec
 DELTA 1.89999998 sec
 TD0 1

===== CHANNEL f1 =====
 NUC1 13C
 P1 9.15 usec
 PL1 0.00 dB
 SFO1 100.6228298 MHz

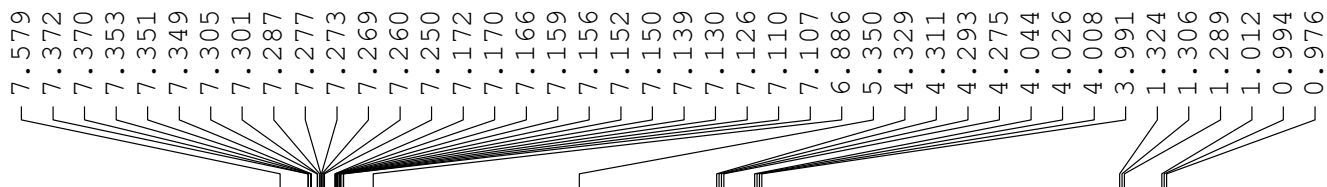
===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 90.00 usec
 PL12 14.90 dB
 PL13 14.90 dB
 PL2 -3.00 dB
 SFO2 400.1316005 MHz

F2 - Processing parameters
 SI 32768
 SF 100.6127538 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Sample Name	Position	Instrument Name	User Name
PVK-N-Et-DEAD	-1	Q-TOF	QTOF-PU\admin
Filename	InjPosition	SampleType	IRM Calibration Status
PVK-N-Et-DEAD.d	ACQ Method	MM-MB-315.3636	Success
	Pondicherry Universi	Comment	Acquired Time
			02-01-2015 12:06:49



PROTON CDC13 {D:\MB} KOPAL 1

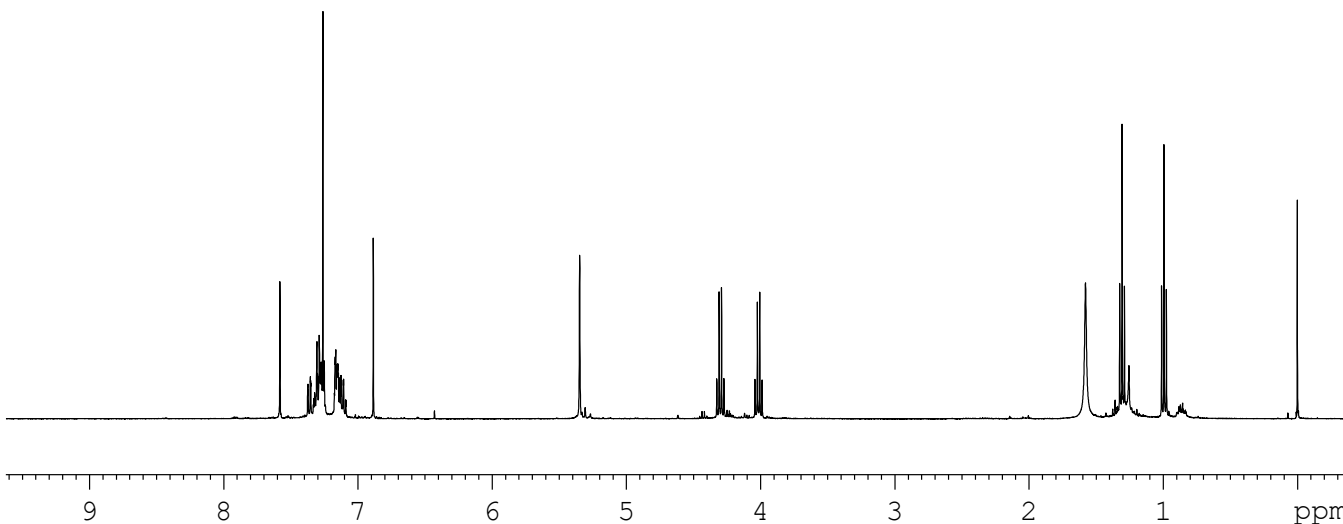
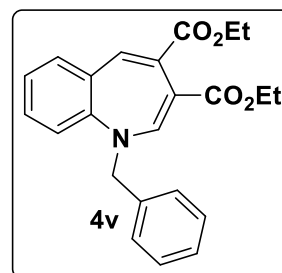


Current Data Parameters
NAME PVK-N-BN-DEAD
EXPNO 5
PROCNO 1

F2 - Acquisition Parameters
Date_ 20150413
Time 16.12
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zg30
TD 65536
SOLVENT CDC13
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 228
DW 60.800 usec
DE 6.00 usec
TE 295.1 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.42 usec
PL1 -3.00 dB
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300051 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



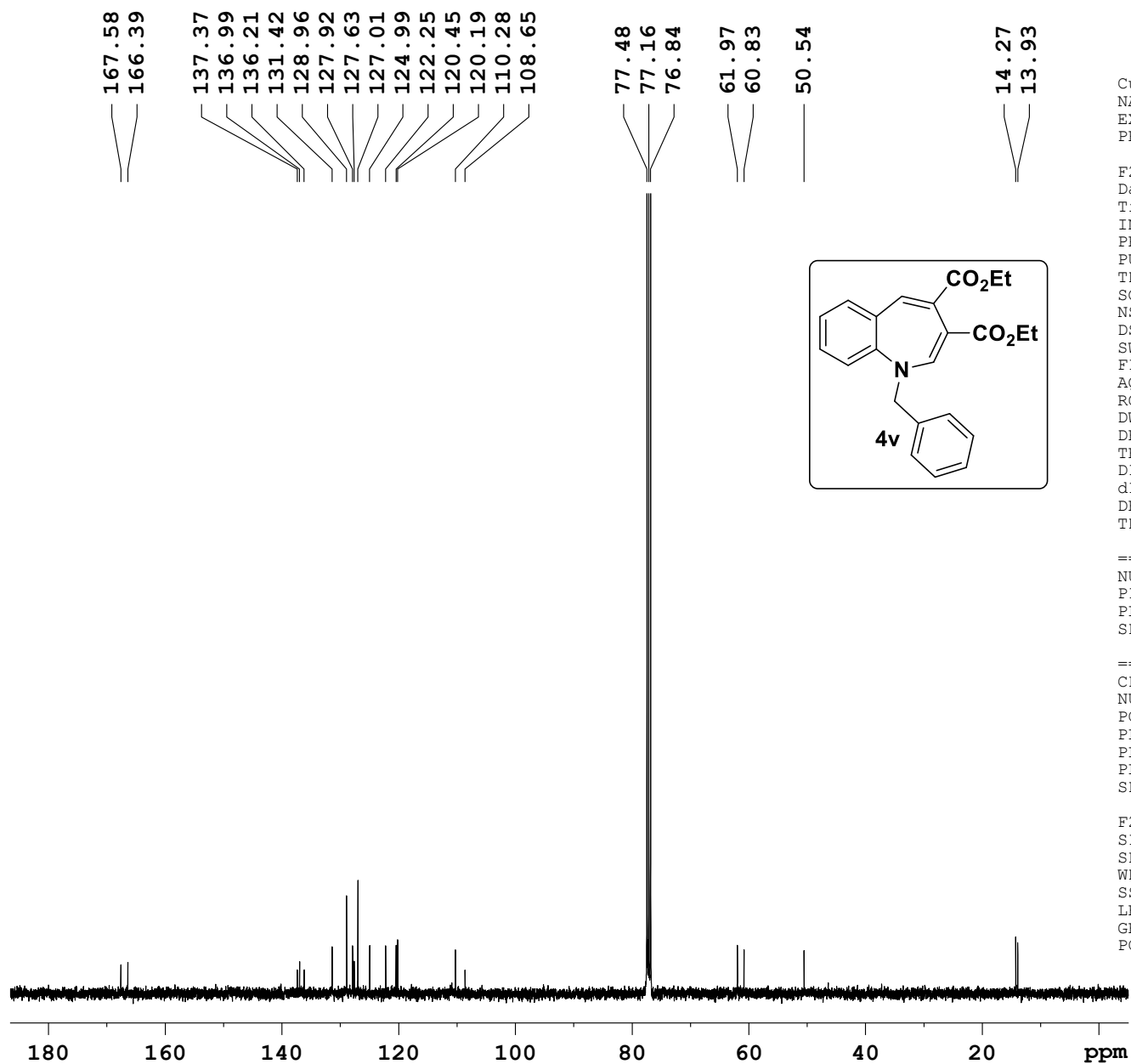
0.99
1.13
3.40
0.82
4.35
0.96

2.02

2.24
2.17

65

3.25
3.15



Current Data Parameters
 NAME PVK-N-BN-DEAD
 EXPNO 8
 PROCNO 1

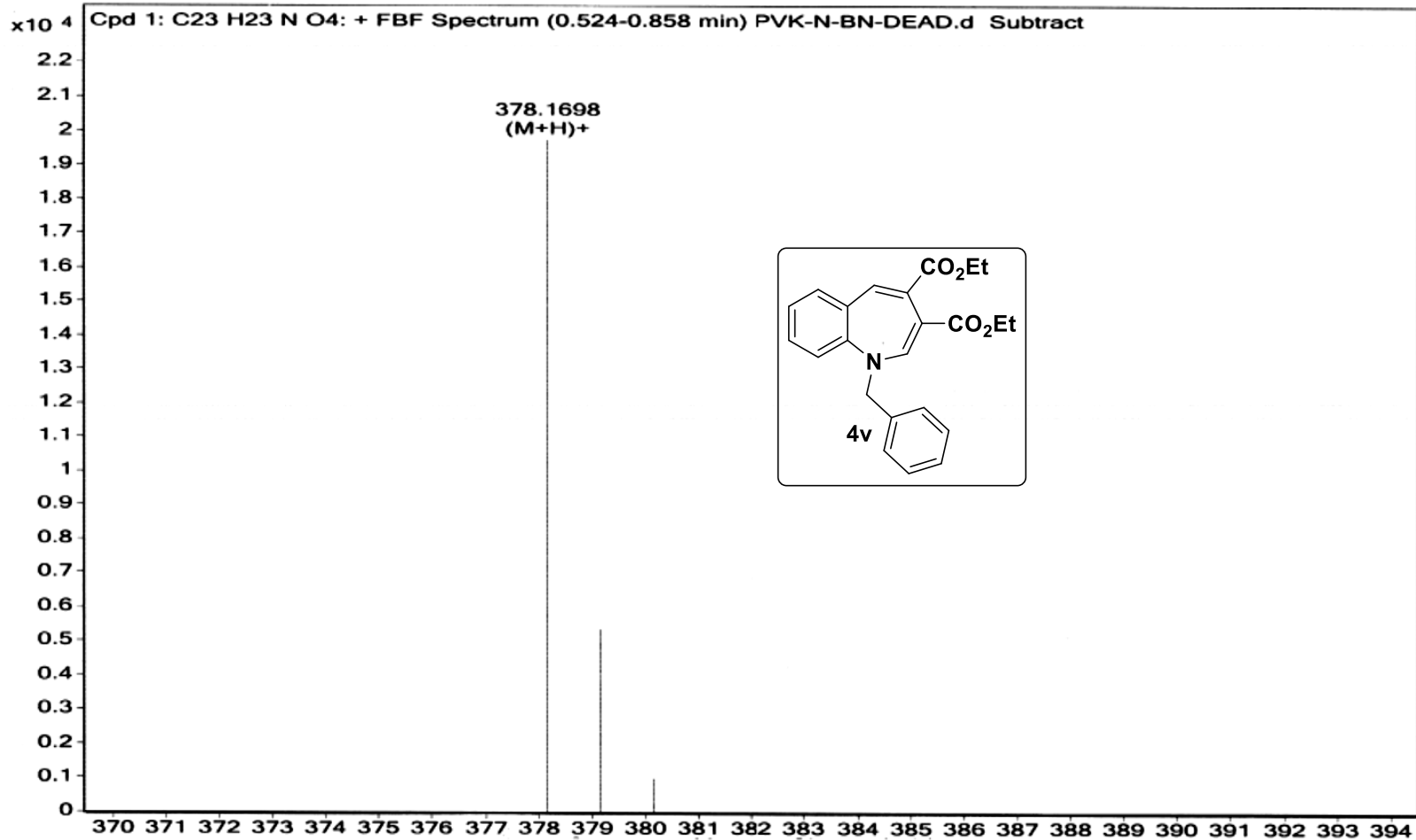
F2 - Acquisition Parameters
 Date_ 20150416
 Time 13.18
 INSTRUM spect
 PROBHD 5 mm DUL 13C-1
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 512
 DS 4
 SWH 24038.461 Hz
 FIDRES 0.366798 Hz
 AQ 1.3631988 sec
 RG 32
 DW 20.800 usec
 DE 6.00 usec
 TE 297.0 K
 D1 2.00000000 sec
 d11 0.03000000 sec
 DELTA 1.89999998 sec
 TD0 1

===== CHANNEL f1 =====
 NUC1 13C
 P1 9.15 usec
 PL1 0.00 dB
 SFO1 100.6228298 MHz

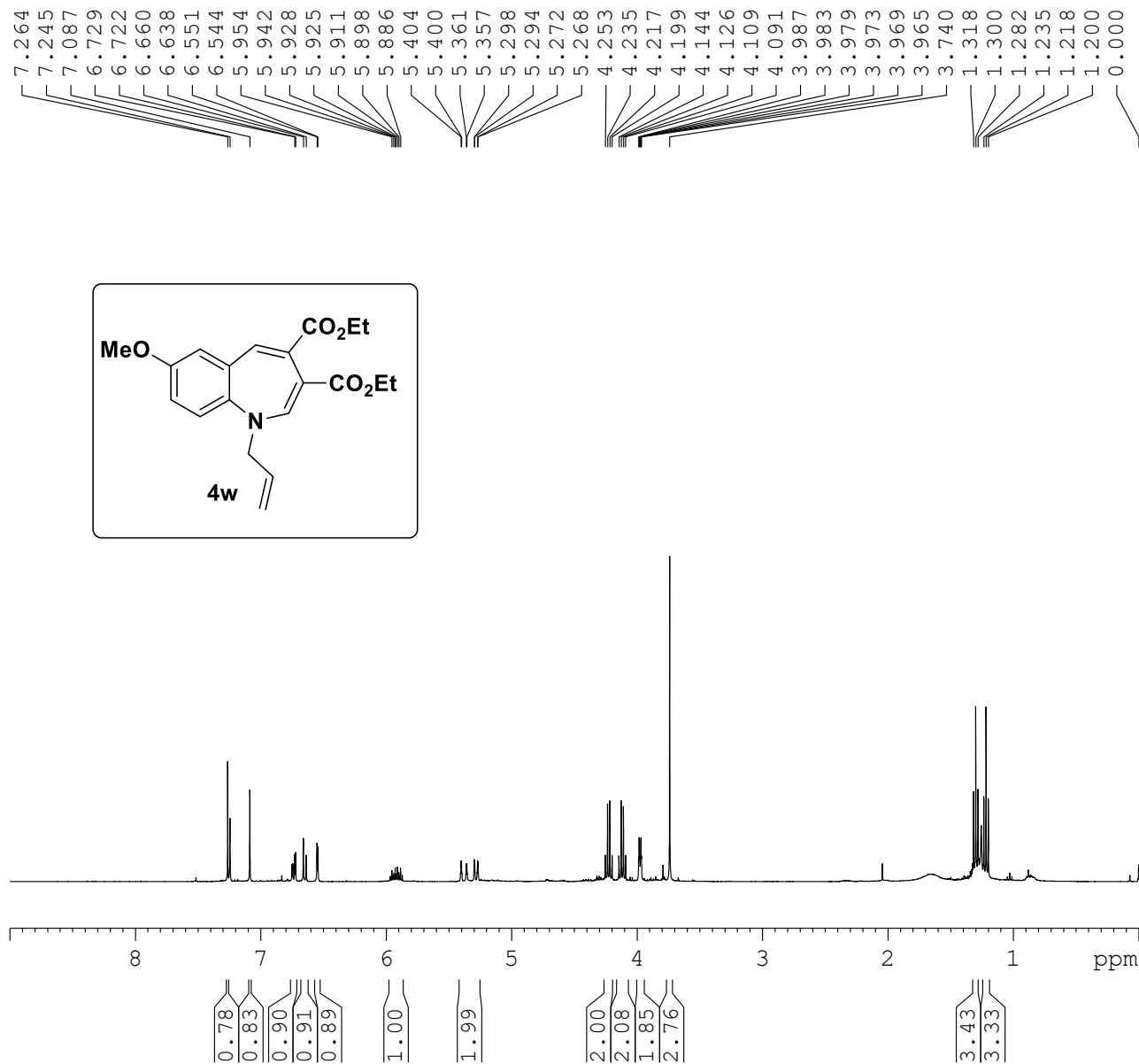
===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 90.00 usec
 PL12 14.90 dB
 PL13 14.90 dB
 PL2 -3.00 dB
 SFO2 400.1316005 MHz

F2 - Processing parameters
 SI 32768
 SF 100.6127535 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Name	Position	Instrument Name	User Name
PVK-N-BN-DEAD		Q-TOF	QTOF-PU\admin
Filename	ACQ Method	SampleType	IRM Calibration Status
PVK-N-BN-DEAD.d	Pondicherry Universi	Sample	Success
Comment	Acquired Time		
PVK-MB-377.1627	02-06-2015 12:46:09		



PROTON CDC13 {D:\MB} KOPAL 1

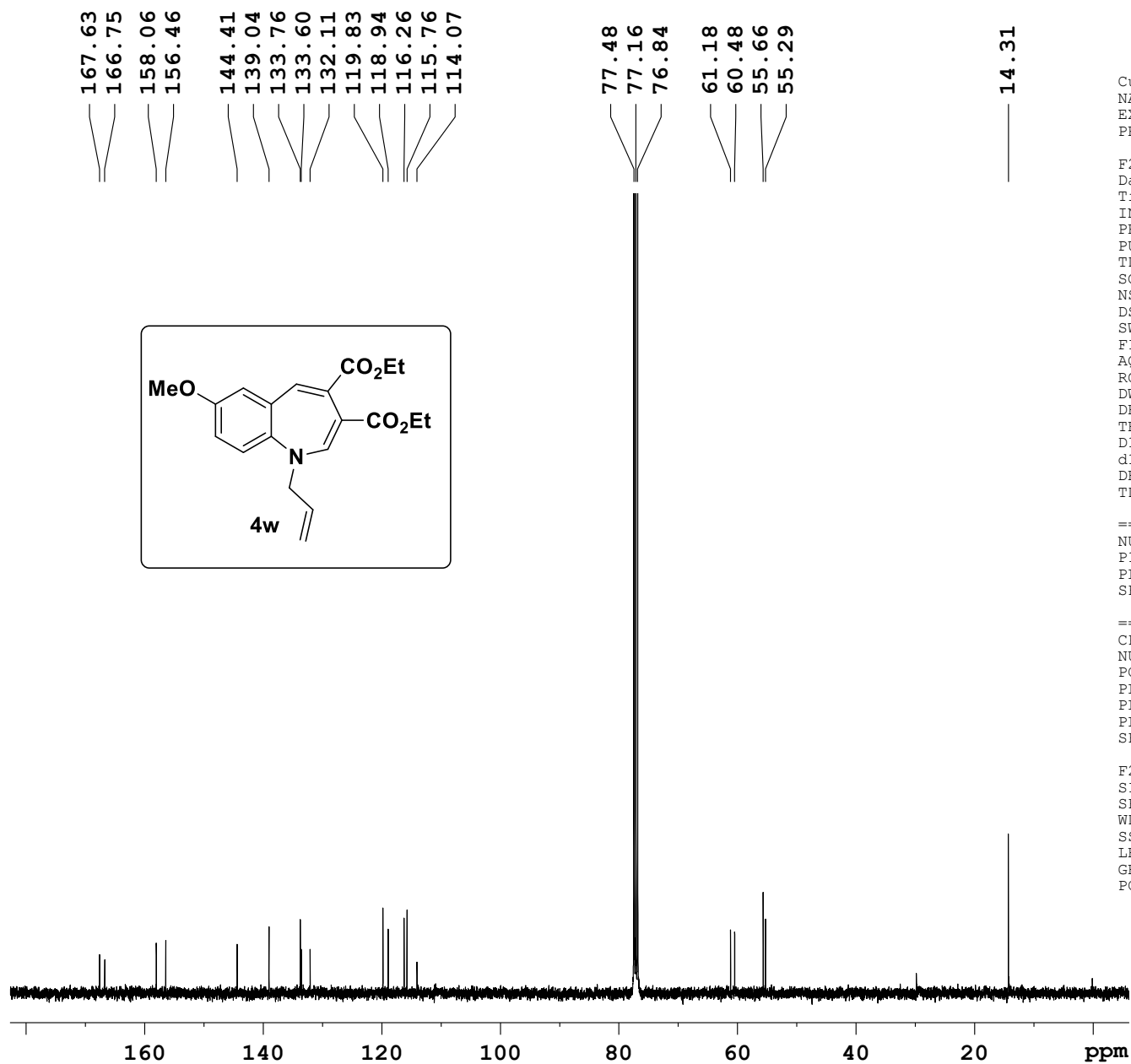


Current Data Parameters
 NAME PVK-50ME-N-ALY-DEAD
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20150524
 Time_ 18.46
 INSTRUM spect
 PROBHD 5 mm DUL 13C-1
 PULPROG zg30
 TD 65536
 SOLVENT CDC13
 NS 16
 DS 2
 SWH 8223.685 Hz
 FIDRES 0.125483 Hz
 AQ 3.9846387 sec
 RG 203
 DW 60.800 usec
 DE 6.00 usec
 TE 297.7 K
 D1 1.00000000 sec
 TD0 1

===== CHANNEL f1 =====
 NUC1 1H
 P1 11.42 usec
 PL1 -3.00 dB
 SFO1 400.1324710 MHz

F2 - Processing parameters
 SI 32768
 SF 400.1300036 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



Current Data Parameters
 NAME PVK-50ME-N-ALLYL-DEAD
 EXPNO 1
 PROCNO 1

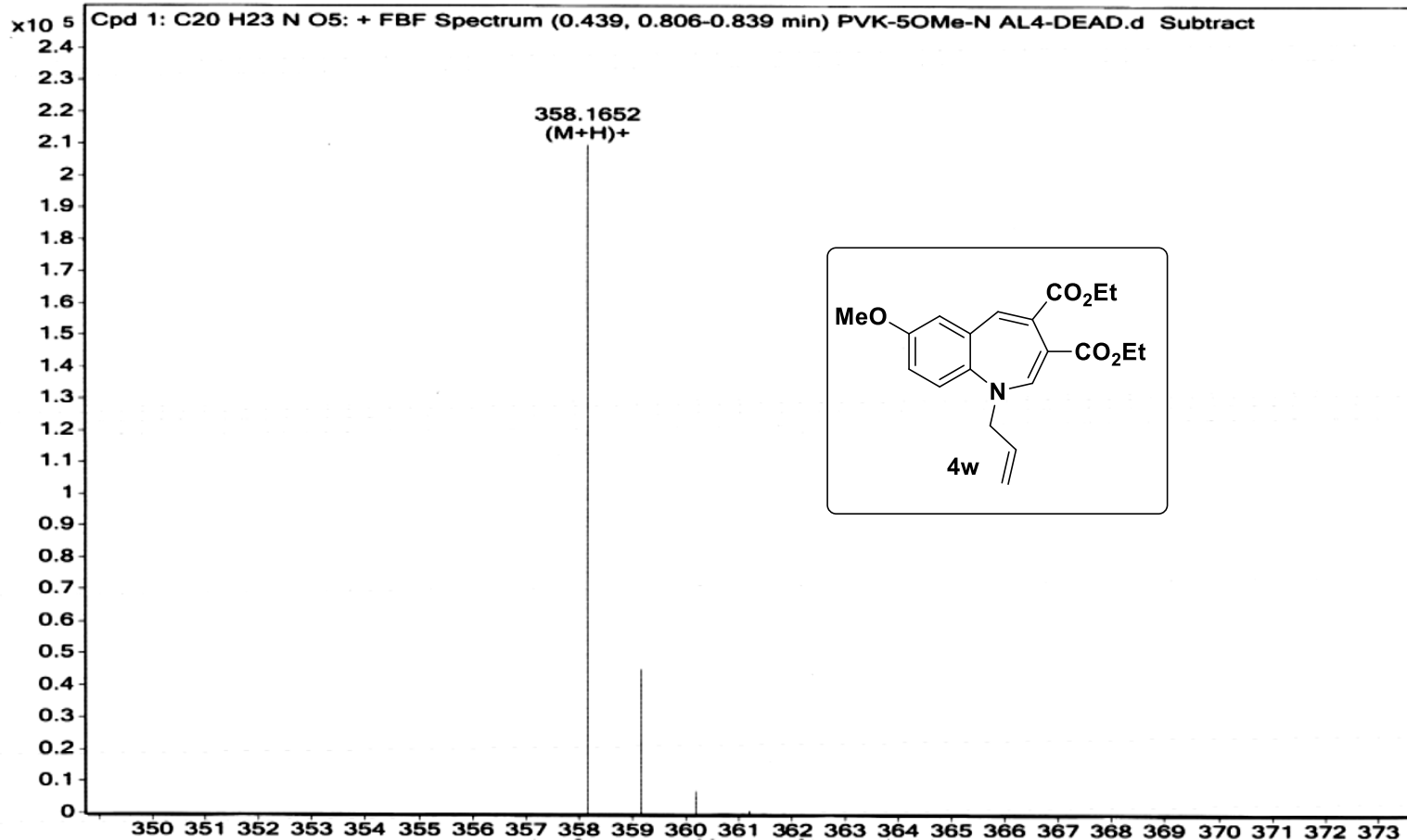
F2 - Acquisition Parameters
 Date_ 20150524
 Time_ 20.05
 INSTRUM spect
 PROBHD 5 mm DUL 13C-1
 PULPROG zgpg30
 TD 65536
 SOLVENT CDC13
 NS 1024
 DS 4
 SWH 24038.461 Hz
 FIDRES 0.366798 Hz
 AQ 1.3631988 sec
 RG 28.5
 DW 20.800 usec
 DE 6.00 usec
 TE 299.5 K
 D1 2.00000000 sec
 d11 0.03000000 sec
 DELTA 1.89999998 sec
 TD0 1

===== CHANNEL f1 =====
 NUC1 13C
 P1 9.15 usec
 PL1 0.00 dB
 SFO1 100.6228298 MHz

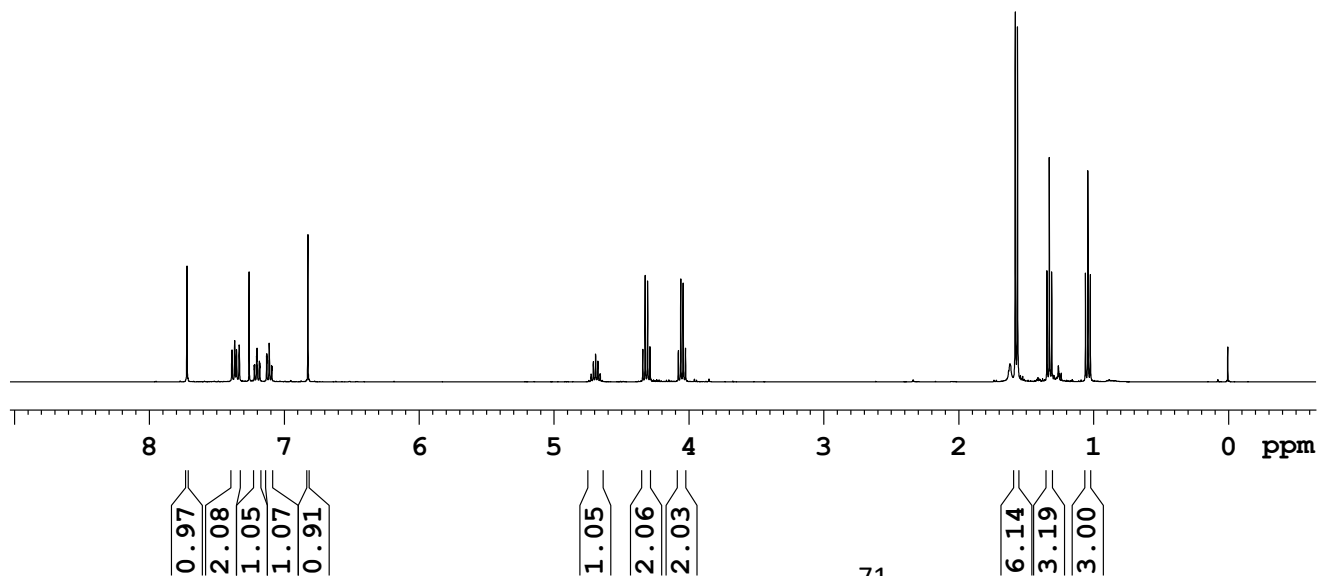
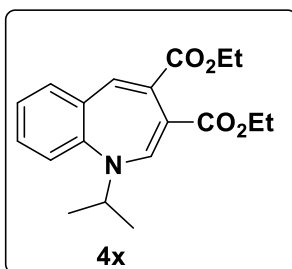
===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 90.00 usec
 PL12 14.90 dB
 PL13 14.90 dB
 PL2 -3.00 dB
 SFO2 400.1316005 MHz

F2 - Processing parameters
 SI 32768
 SF 100.6127526 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

File Name	Position	Instrument Name	User Name
PVK-5OMe-N AL4-DEAD	-1	Q-TOF	QTOF-PU\admin
PVK-5OMe-N AL4-DEAD.	ACQ Method	Sample Type	IRM Calibration Status
	Pondicherry Universi	Comment	Success
		PVK-MB-357.1576	Acquired Time
			02-06-2015 12:59:31



7.721
7.387
7.367
7.353
7.333
7.260
7.222
7.219
7.204
7.201
7.199
7.184
7.181
7.131
7.128
7.113
7.111
7.109
7.093
7.091
6.827
4.710
4.693
4.676
4.659
4.343
4.325
4.307
4.290
4.080
4.062
4.044
4.026
1.581
1.565
1.347
1.329
1.311
1.061
1.043
1.025
0.006

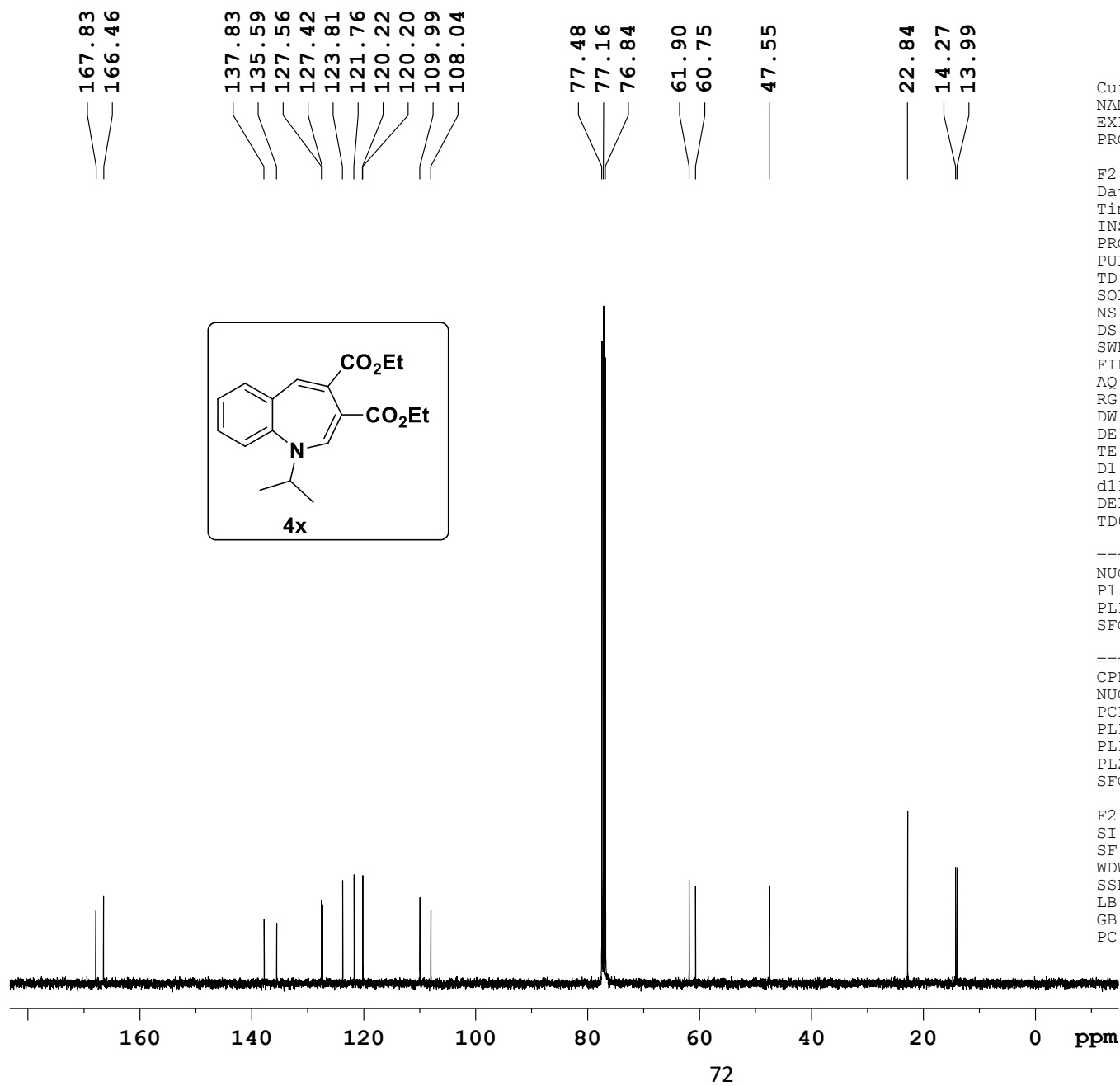


Current Data Parameters
NAME TTR-PVK-N-ISP-DEAD
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20180831
Time 1.16
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 203
DW 60.800 usec
DE 6.00 usec
TE 294.2 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 14.35 usec
PL1 -1.00 dB
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300048 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



Current Data Parameters
 NAME TTR-PVK-N-ISP-DEAD
 EXPNO 2
 PROCNO 1

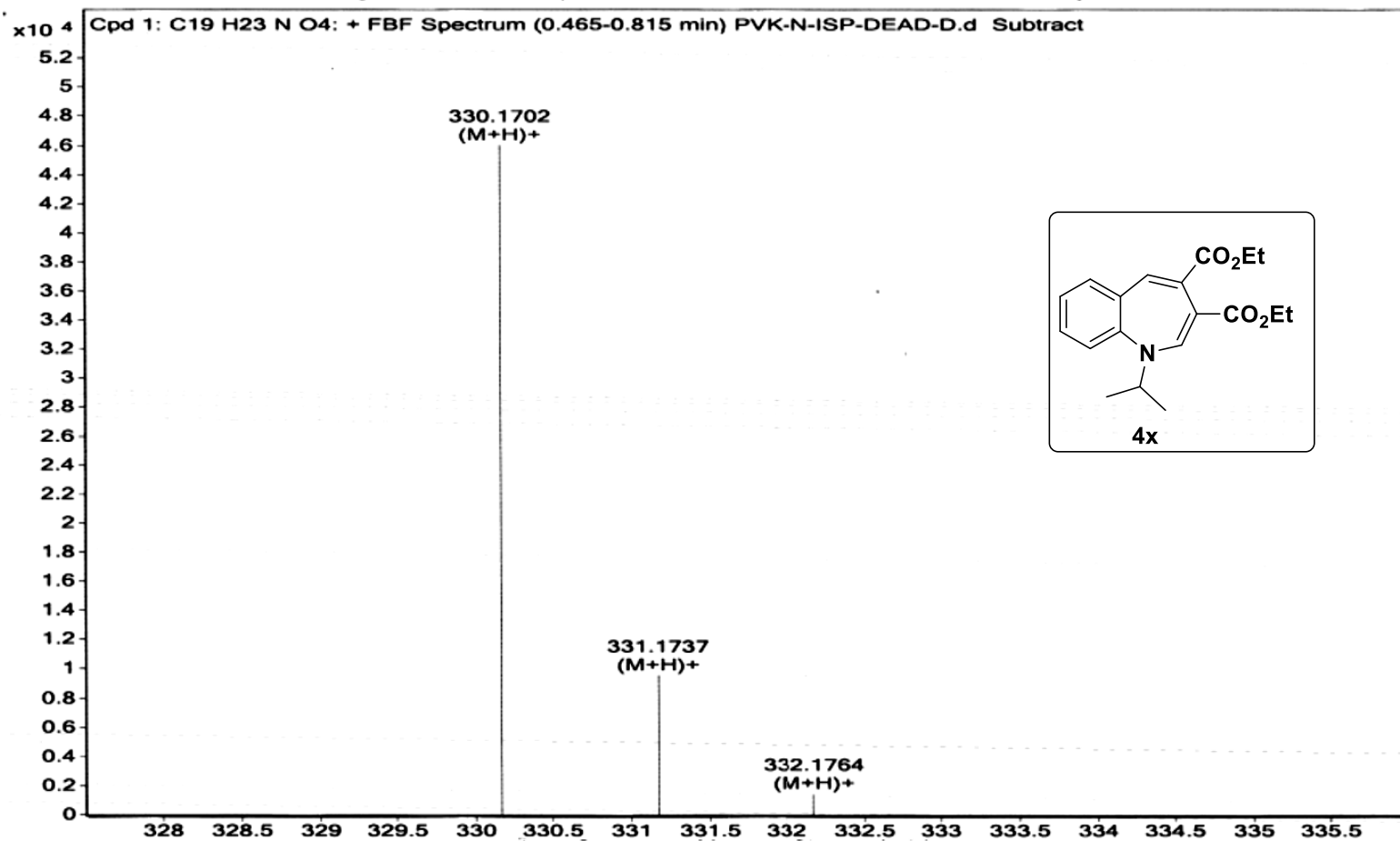
F2 - Acquisition Parameters
 Date_ 20180831
 Time_ 1.57
 INSTRUM spect
 PROBHD 5 mm BBO BB-1H
 PULPROG zgpg30
 TD 65536
 SOLVENT CDC13
 NS 512
 DS 4
 SWH 24038.461 Hz
 FIDRES 0.366798 Hz
 AQ 1.3631988 sec
 RG 45.2
 DW 20.800 usec
 DE 6.00 usec
 TE 294.6 K
 D1 2.00000000 sec
 d11 0.03000000 sec
 DELTA 1.89999998 sec
 TD0 1

===== CHANNEL f1 =====
 NUC1 13C
 P1 9.95 usec
 PL1 -1.00 dB
 SFO1 100.6228298 MHz

===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 90.00 usec
 PL12 14.95 dB
 PL13 120.00 dB
 PL2 -1.00 dB
 SFO2 400.1316005 MHz

F2 - Processing parameters
 SI 32768
 SF 100.6127569 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Name	PVK-N-ISP-DEAD-D	Position		Instrument Name	Q-TOF	User Name	QTOF-PU\admin
InjPosition	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Filename	PVK-N-ISP-DEAD-D.d	ACQ Method	Pondicherry Universi	Comment	PVK-MB-329.1627	Acquired Time	11-09-2017 12:31:40

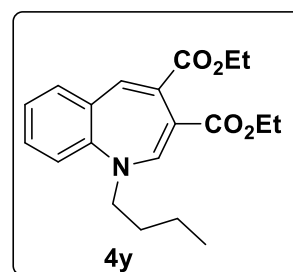


PROTON CDC13 {D:\MB} KOPAL 1

7.340
7.260
7.239
7.233
7.222
7.217
7.213
7.202
7.196
7.026
6.997
6.991
6.974
6.973
6.732
6.712
6.655
6.650

4.322
4.304
4.286
4.268
4.249
4.231
4.213
4.196
3.337
3.319
3.300

1.367
1.347
1.329
1.312
1.311
1.295
1.277
1.239
1.222
1.204
0.957
0.939

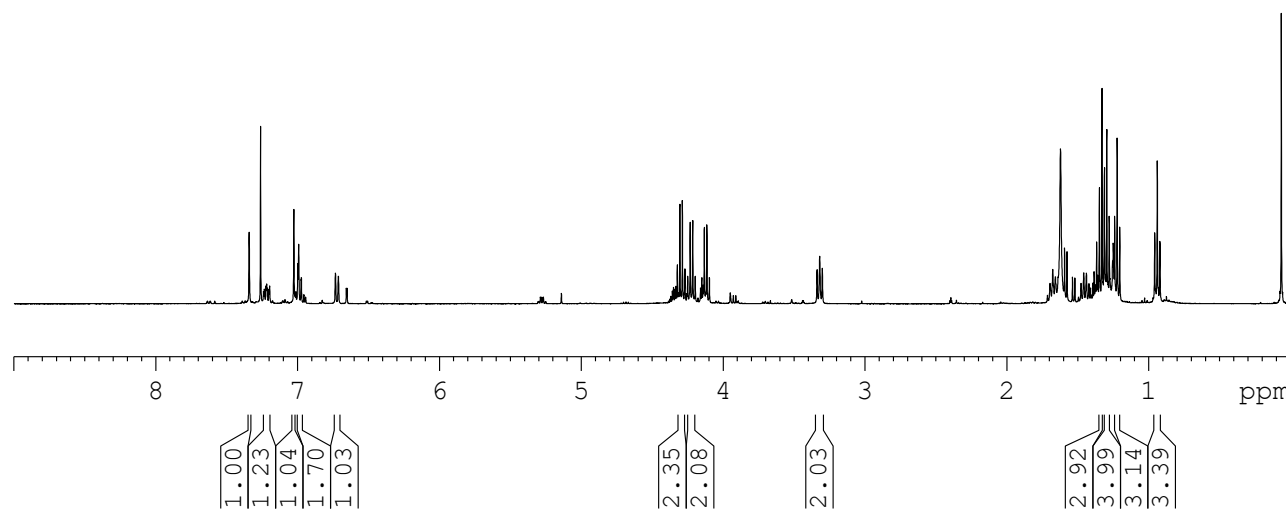


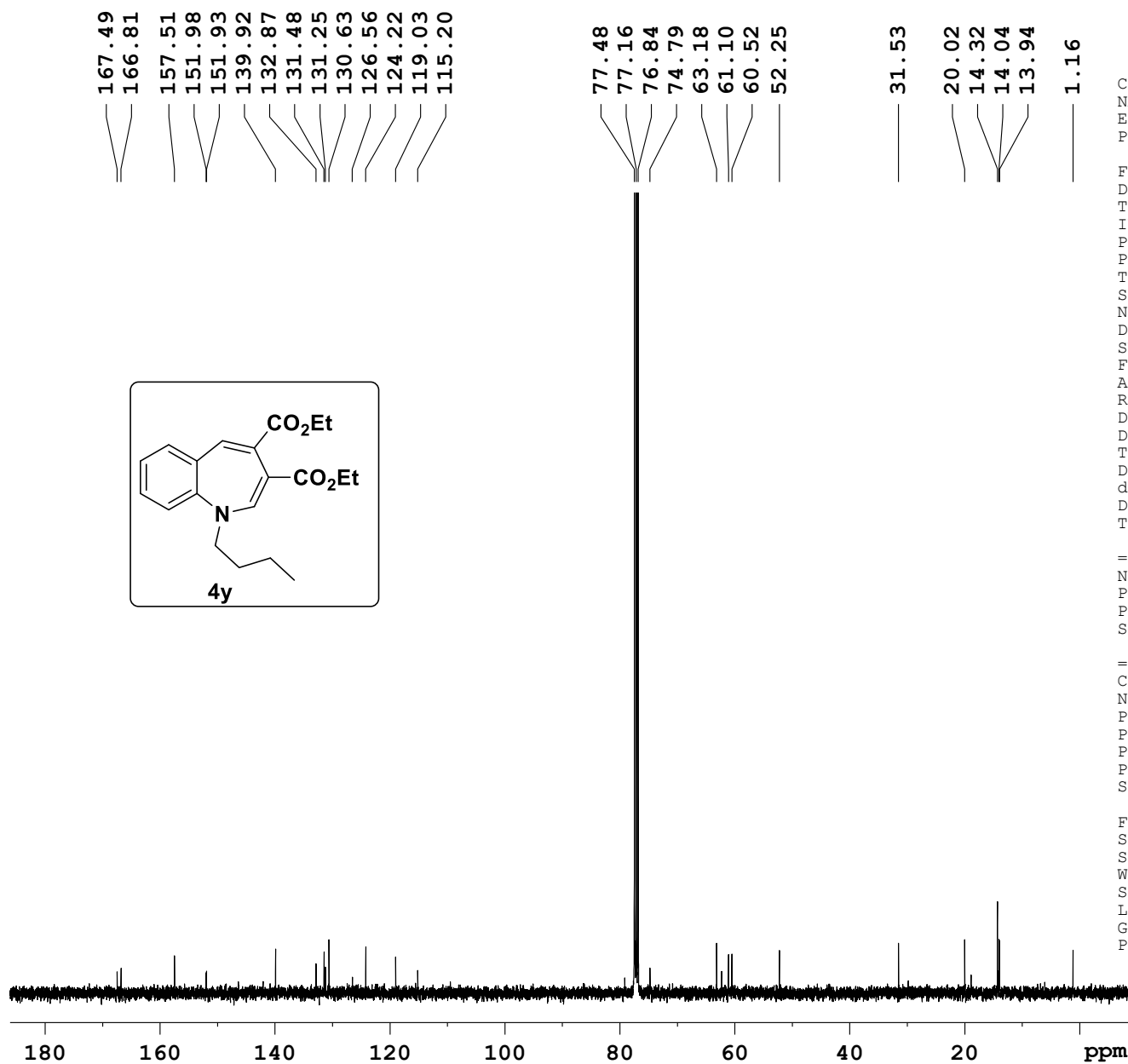
Current Data Parameters
NAME PVK-N-BU-IND-DEAD-D
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20170906
Time_ 16.19
INSTRUM spect
PROBHD 5 mm DUL 13C-1
PULPROG zg30
TD 65536
SOLVENT CDC13
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 203
DW 60.800 usec
DE 6.00 usec
TE 292.8 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.42 usec
PL1 -3.00 dB
SF01 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300051 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





Current Data Parameters
 NAME PVK-N-BU-IND-DEAD-D
 EXPNO 2
 PROCNO 1

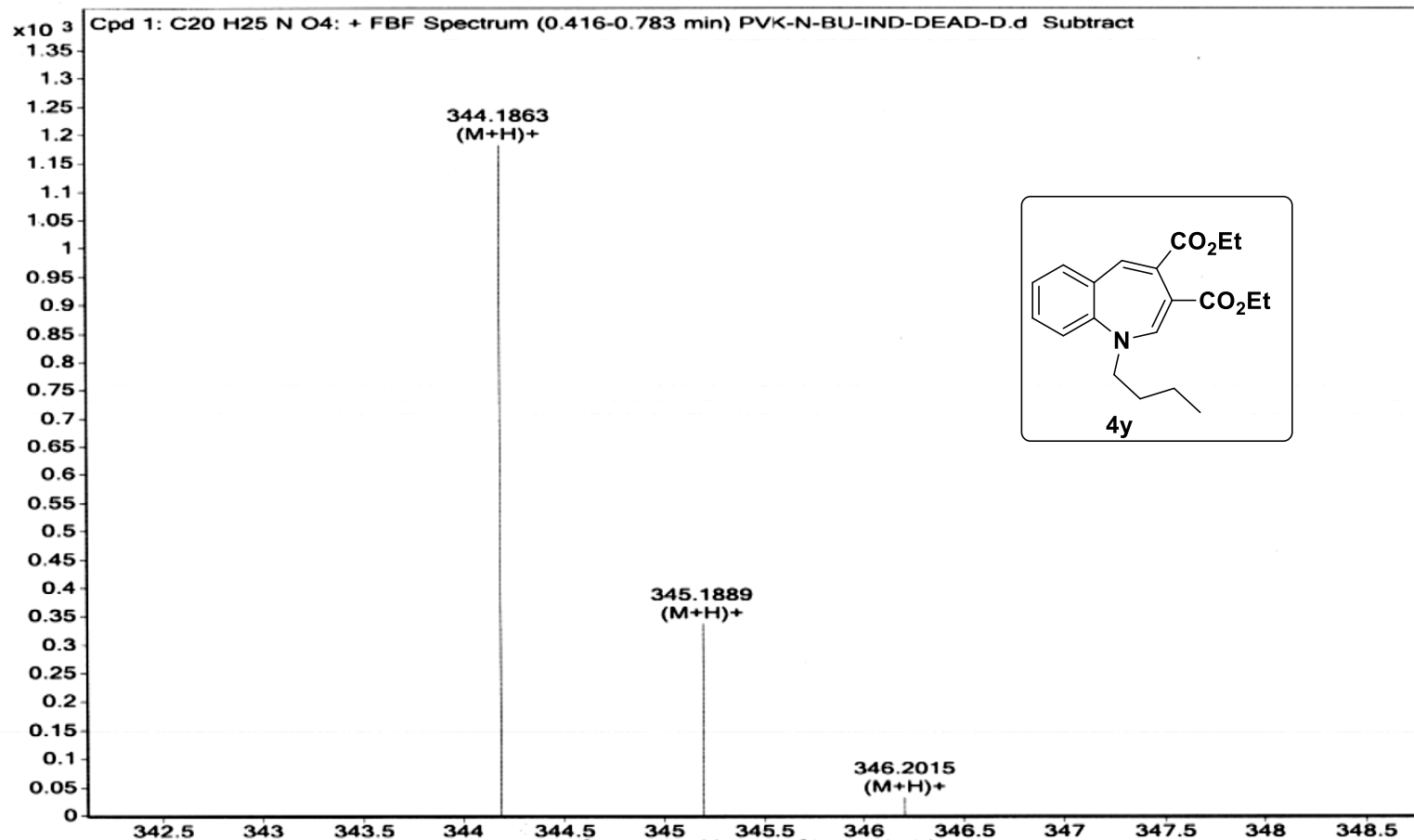
F2 - Acquisition Parameters
 Date_ 20170906
 Time_ 16.32
 INSTRUM spect
 PROBHD 5 mm DUL 13C-1
 PULPROG zgpg30
 TD 65536
 SOLVENT CDC13
 NS 512
 DS 4
 SWH 24038.461 Hz
 FIDRES 0.366798 Hz
 AQ 1.3631988 sec
 RG 36
 DW 20.800 usec
 DE 6.00 usec
 TE 293.4 K
 D1 2.00000000 sec
 d11 0.03000000 sec
 DELTA 1.89999998 sec
 TD0 1

===== CHANNEL f1 =====
 NUC1 13C
 P1 9.15 usec
 PL1 0.00 dB
 SFO1 100.6228298 MHz

===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 90.00 usec
 PL12 14.90 dB
 PL13 14.90 dB
 PL2 -3.00 dB
 SFO2 400.1316005 MHz

F2 - Processing parameters
 SI 32768
 SF 100.6127546 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Sample Name	Position	Instrument Name	User Name
PVK-N-BU-IND-DEAD-D		Q-TOF	QTOF-PU\admin
-1	InjPosition	SampleType	IRM Calibration Status
PVK-N-BU-IND-DEAD-D.	ACQ Method	Comment	Acquired Time
	Pondicherry Universi	PVK-MB-343.1784	11-09-2017 12:35:38

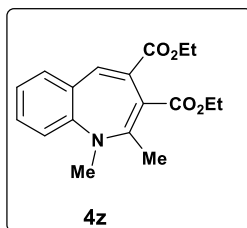


7.266
7.264
7.260
7.244
7.165
7.162
7.147
7.145
7.141
7.126
7.124
7.078
7.075
7.060
7.057
7.056
7.041
7.038
7.027
4.305
4.287
4.269
4.251
4.063
4.045
4.027
4.010
3.697

2.289

1.302
1.285
1.267
1.085
1.068
1.050

0.006

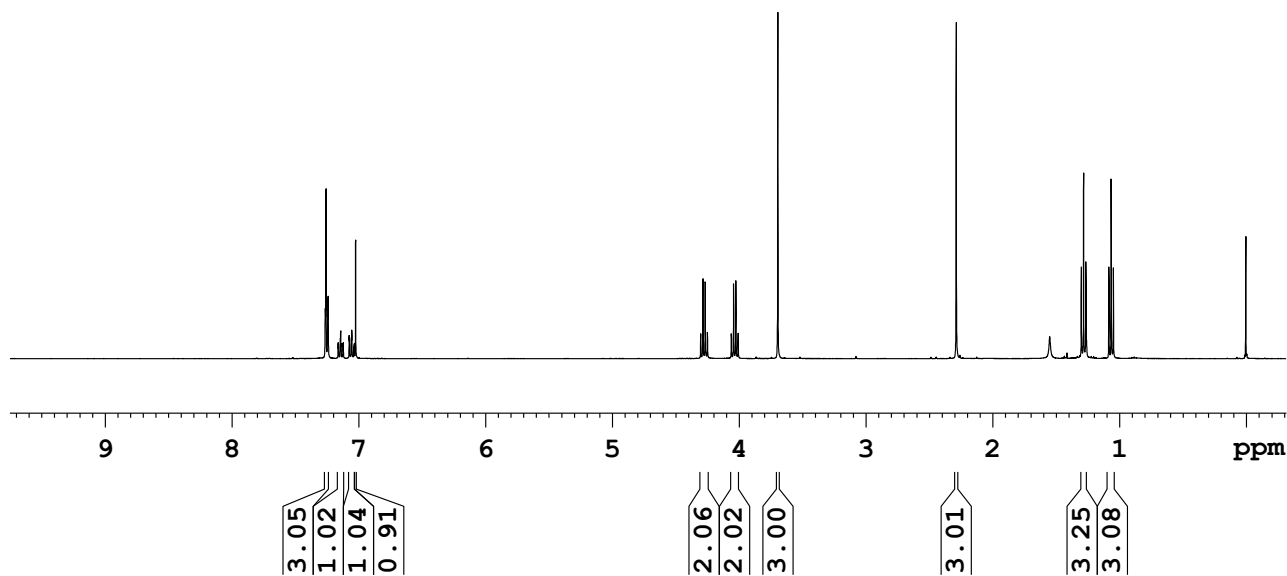


Current Data Parameters
NAME PVK-2-ME-N-ME-IND-DEAD
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20180825
Time 11.55
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 406
DW 60.800 usec
DE 6.00 usec
TE 299.2 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 14.35 usec
PL1 -1.00 dB
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300046 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



167.57
165.62

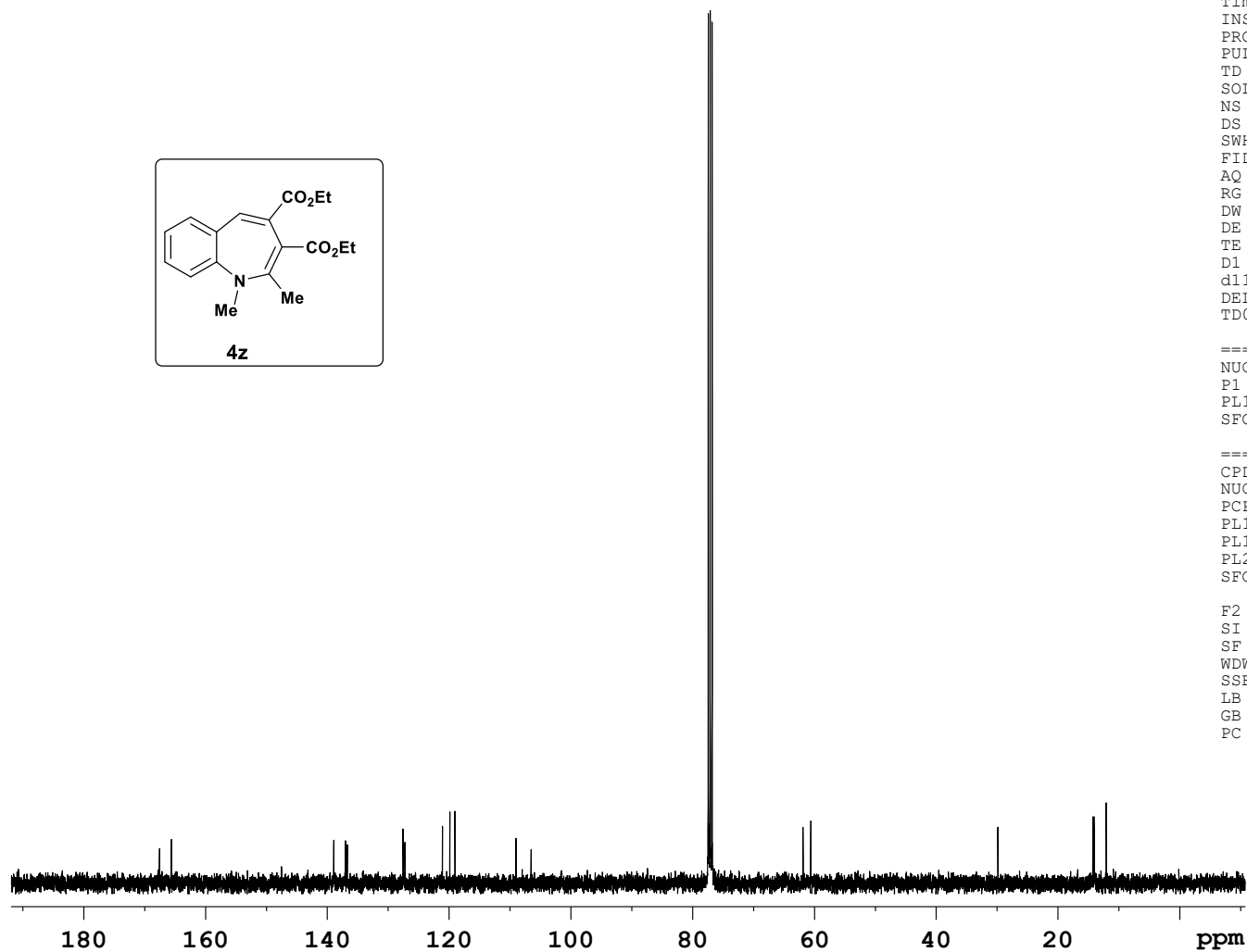
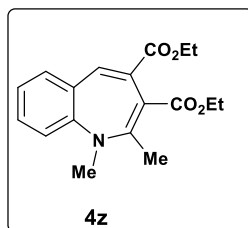
138.98
137.06
136.76
127.62
127.30
121.14
119.92
119.09
109.04
106.57

77.48
77.16
76.84

61.91
60.63

29.90

14.29
14.10
12.11



Current Data Parameters
NAME PVK-2-ME-N-ME-IND-DEAD
EXPNO 2
PROCNO 1

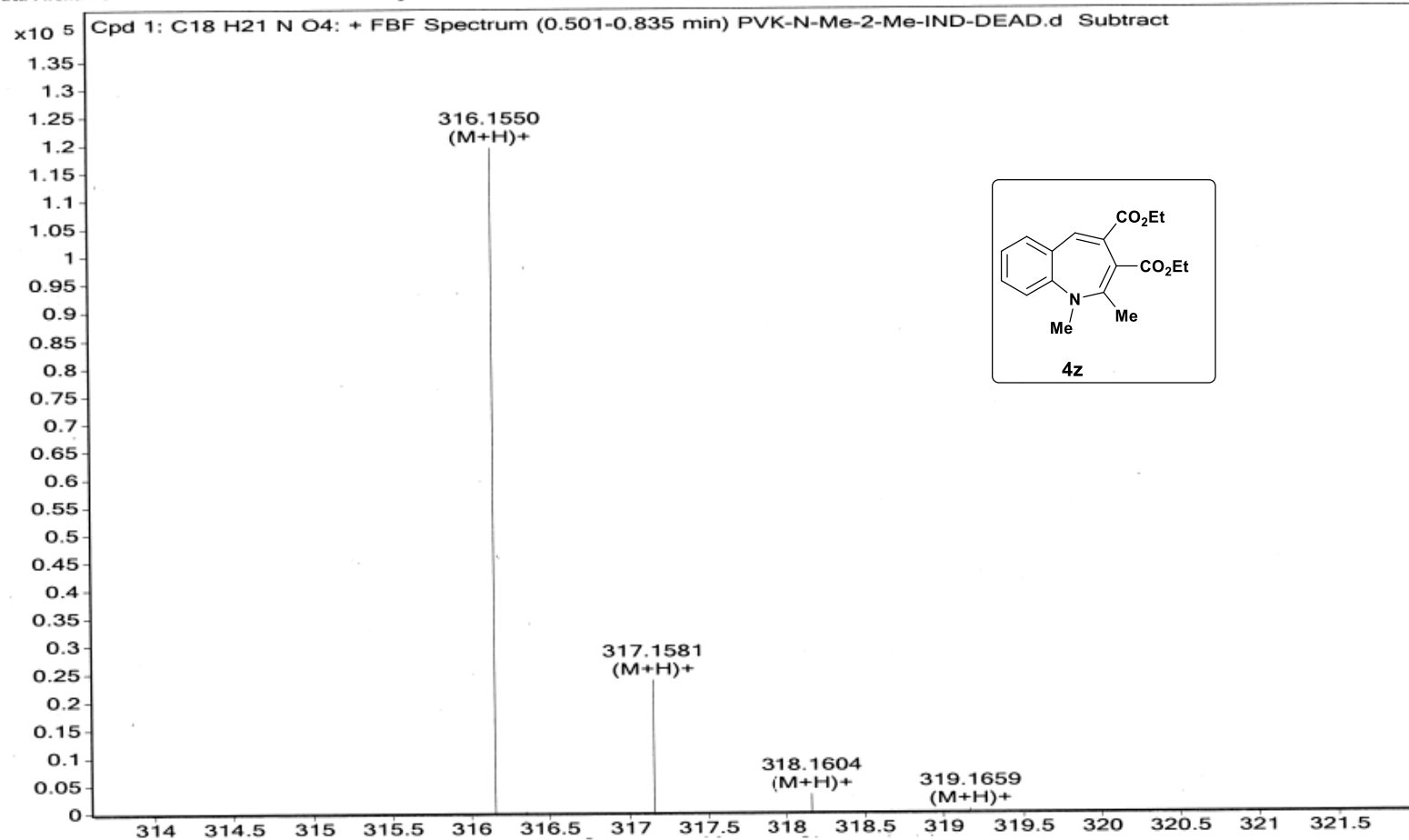
F2 - Acquisition Parameters
Date_ 20180825
Time_ 12.12
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 256
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 645
DW 20.800 usec
DE 6.00 usec
TE 299.3 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TD0 1

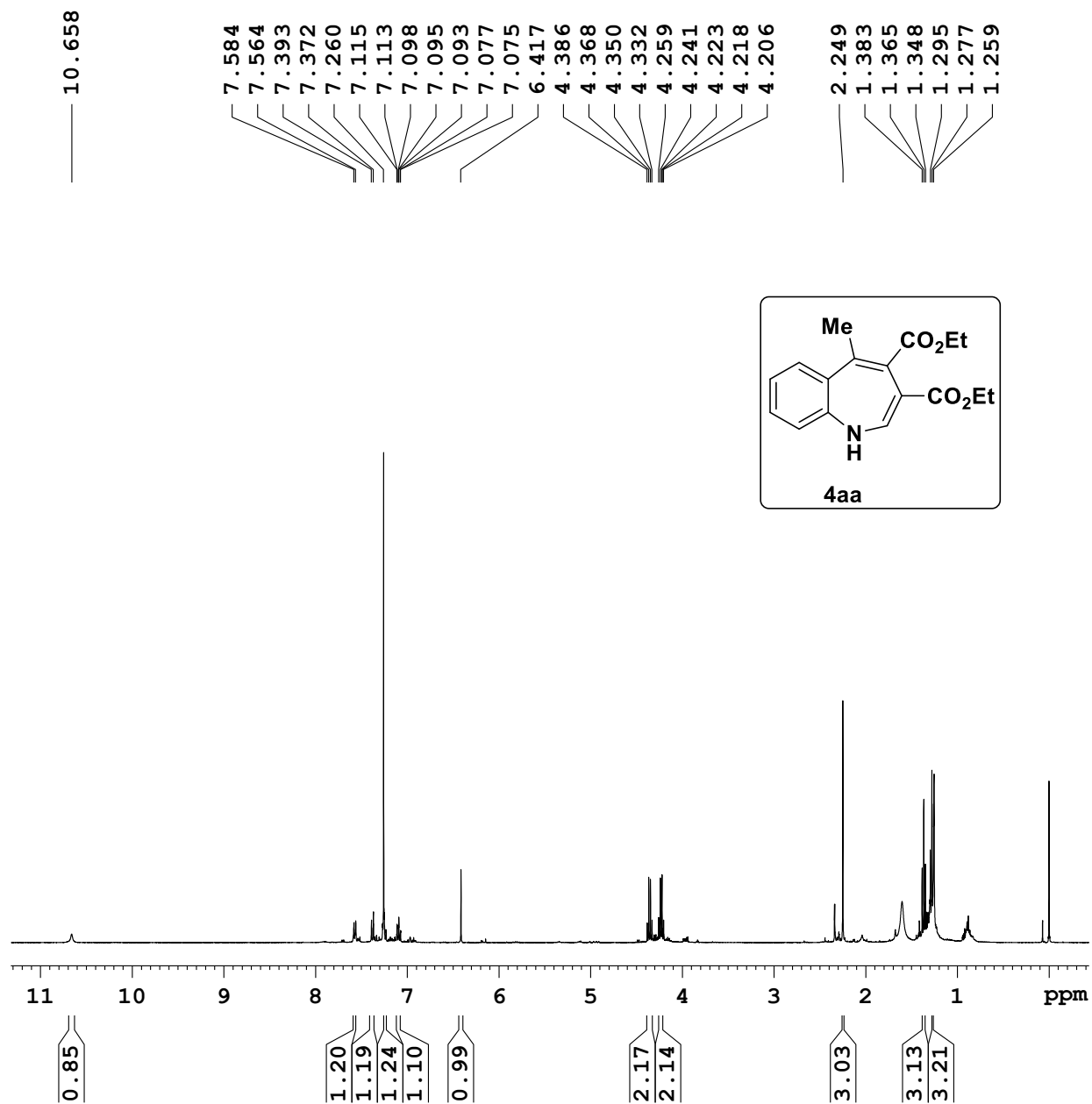
===== CHANNEL f1 =====
NUC1 13C
P1 9.95 usec
PL1 -1.00 dB
SFO1 100.6228298 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL12 14.95 dB
PL13 120.00 dB
PL2 -1.00 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127532 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Sample Name	PVK-N-Me-2-Me-IND-DE	Position		Instrument Name	Q-TOF	User Name	QTOF-PU\admin
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	PVK-N-Me-2-Me-IND-DE	ACQ Method	Pondicherry Universi	Comment	PVK-MB-315.1471	Acquired Time	31-08-2018 12:14:07



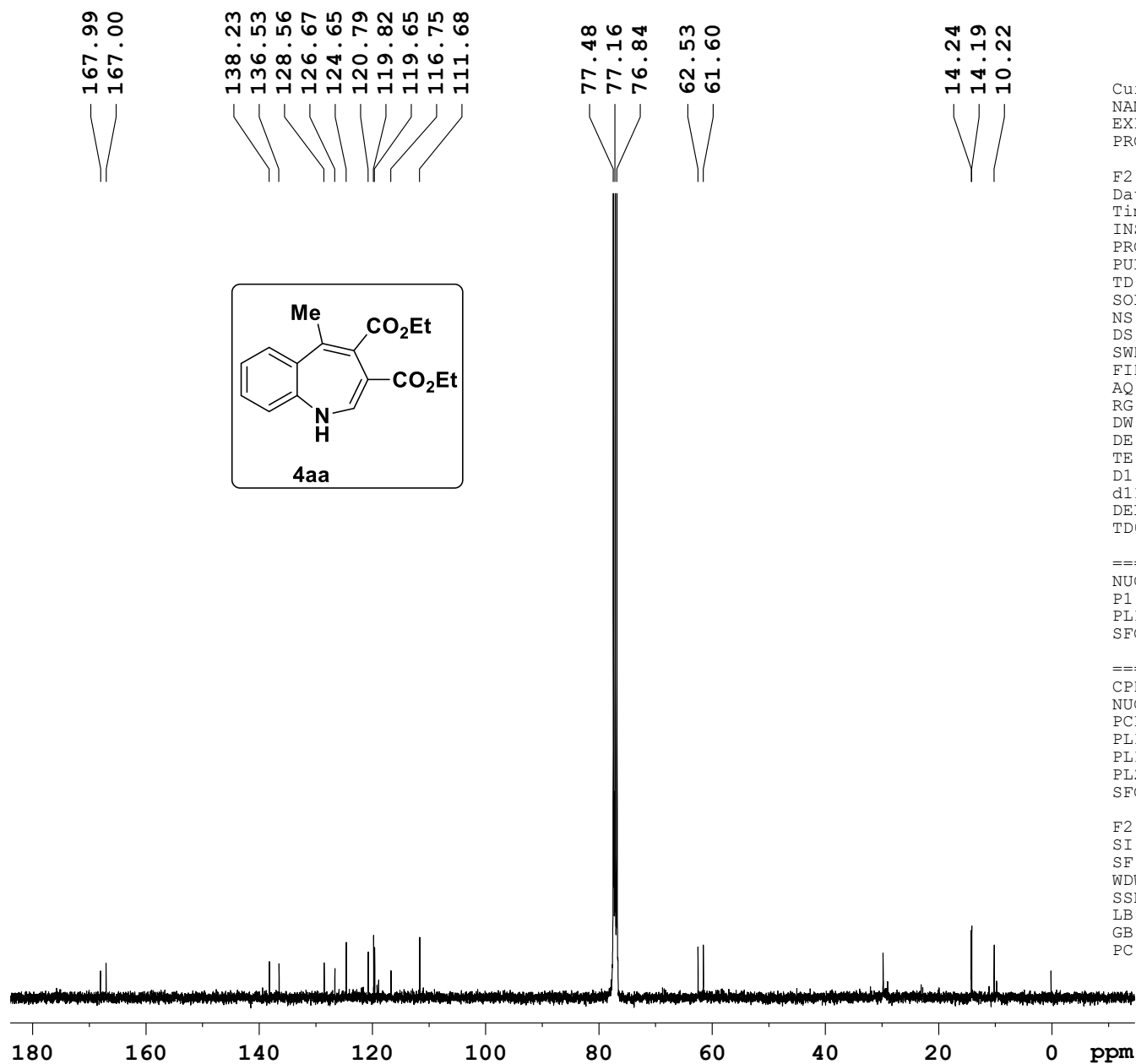


Current Data Parameters
 NAME PVK-3-ME-DEAD-IND
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20180902
 Time 2.43
 INSTRUM spect
 PROBHD 5 mm BBO BB-1H
 PULPROG zg30
 TD 65536
 SOLVENT CDCl3
 NS 16
 DS 2
 SWH 8223.685 Hz
 FIDRES 0.125483 Hz
 AQ 3.9846387 sec
 RG 287
 DW 60.800 usec
 DE 6.00 usec
 TE 294.0 K
 D1 1.00000000 sec
 TD0 1

===== CHANNEL f1 =====
 NUC1 1H
 P1 14.35 usec
 PL1 -1.00 dB
 SFO1 400.1324710 MHz

F2 - Processing parameters
 SI 32768
 SF 400.1300049 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



Current Data Parameters
 NAME PVK-3-ME-DEAD-IND
 EXPNO 3
 PROCNO 1

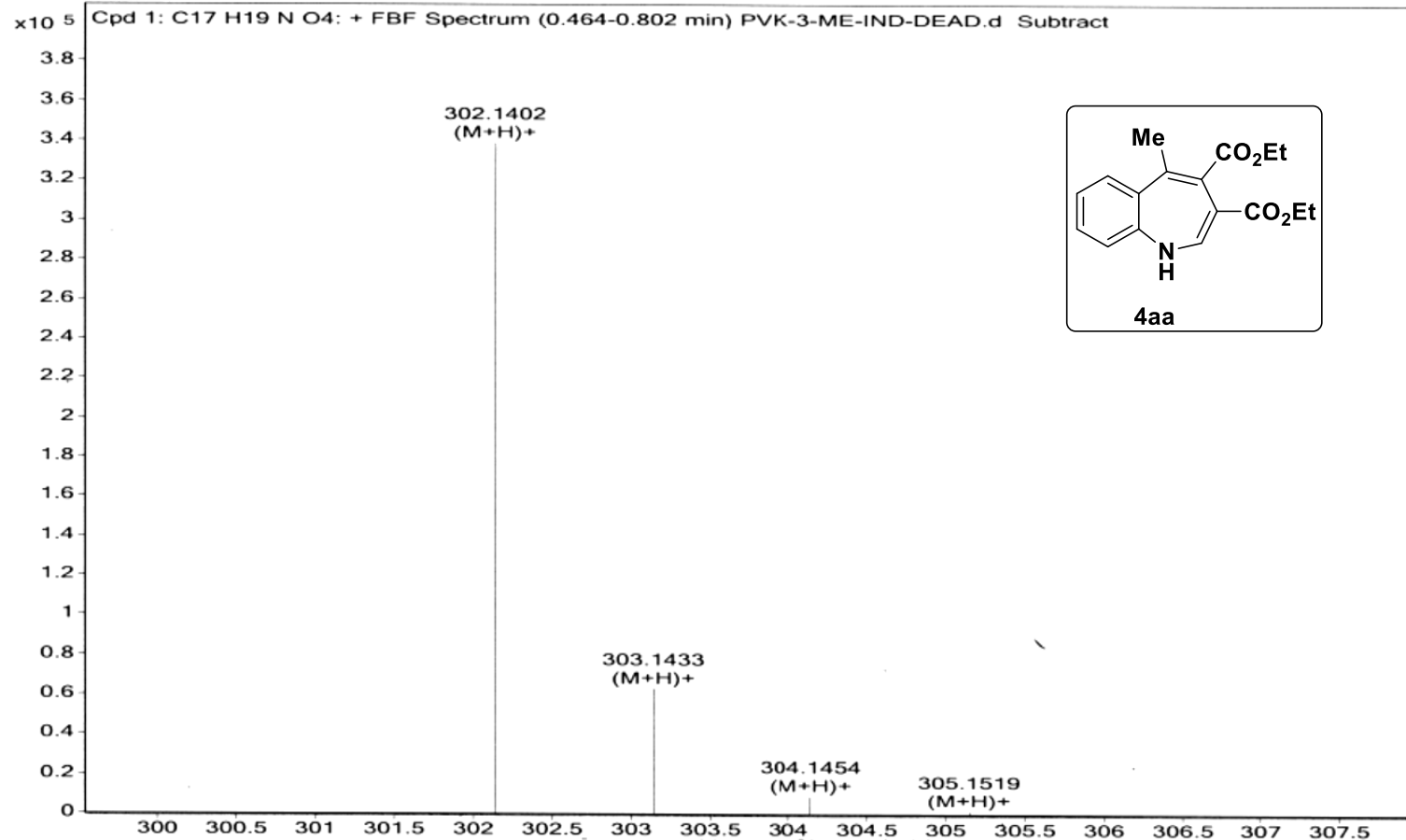
F2 - Acquisition Parameters
 Date_ 20180902
 Time_ 9.33
 INSTRUM spect
 PROBHD 5 mm BBO BB-1H
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 7000
 DS 4
 SWH 24038.461 Hz
 FIDRES 0.366798 Hz
 AQ 1.3631988 sec
 RG 45.2
 DW 20.800 usec
 DE 6.00 usec
 TE 294.5 K
 D1 2.00000000 sec
 d11 0.03000000 sec
 DELTA 1.89999998 sec
 TD0 1

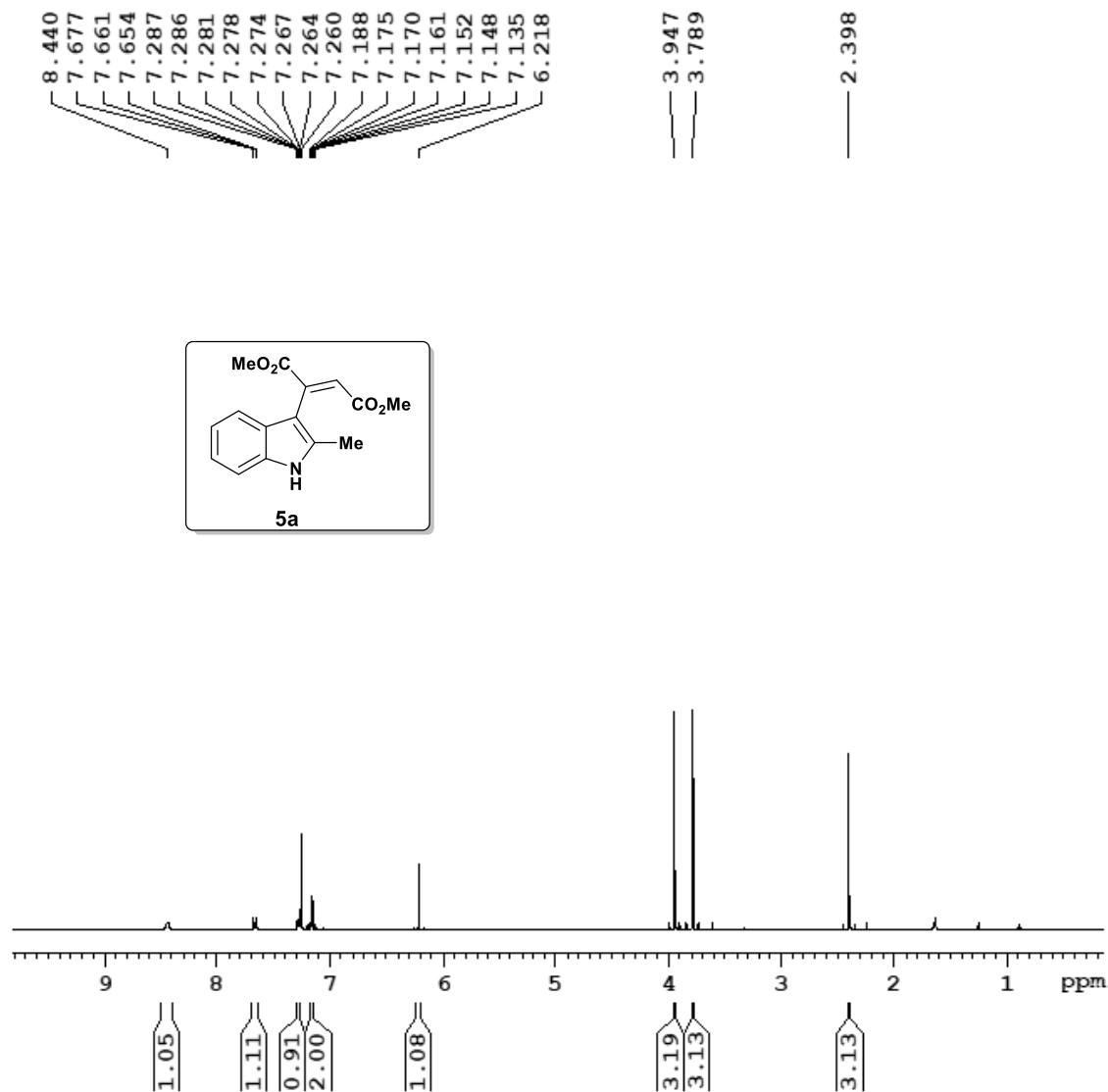
===== CHANNEL f1 =====
 NUC1 13C
 P1 9.95 usec
 PL1 -1.00 dB
 SFO1 100.6228298 MHz

===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 90.00 usec
 PL12 14.95 dB
 PL13 120.00 dB
 PL2 -1.00 dB
 SFO2 400.1316005 MHz

F2 - Processing parameters
 SI 32768
 SF 100.6127545 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Sample Name	PVK-3-ME-IND-DEAD	Position		Instrument Name	Q-TOF	User Name	QTOF-PU\admin
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	PVK-3-ME-IND-DEAD.d	ACQ Method	Pondicherry Universi	Comment	PVK-MB-301.1314	Acquired Time	04-09-2018 11:23:34



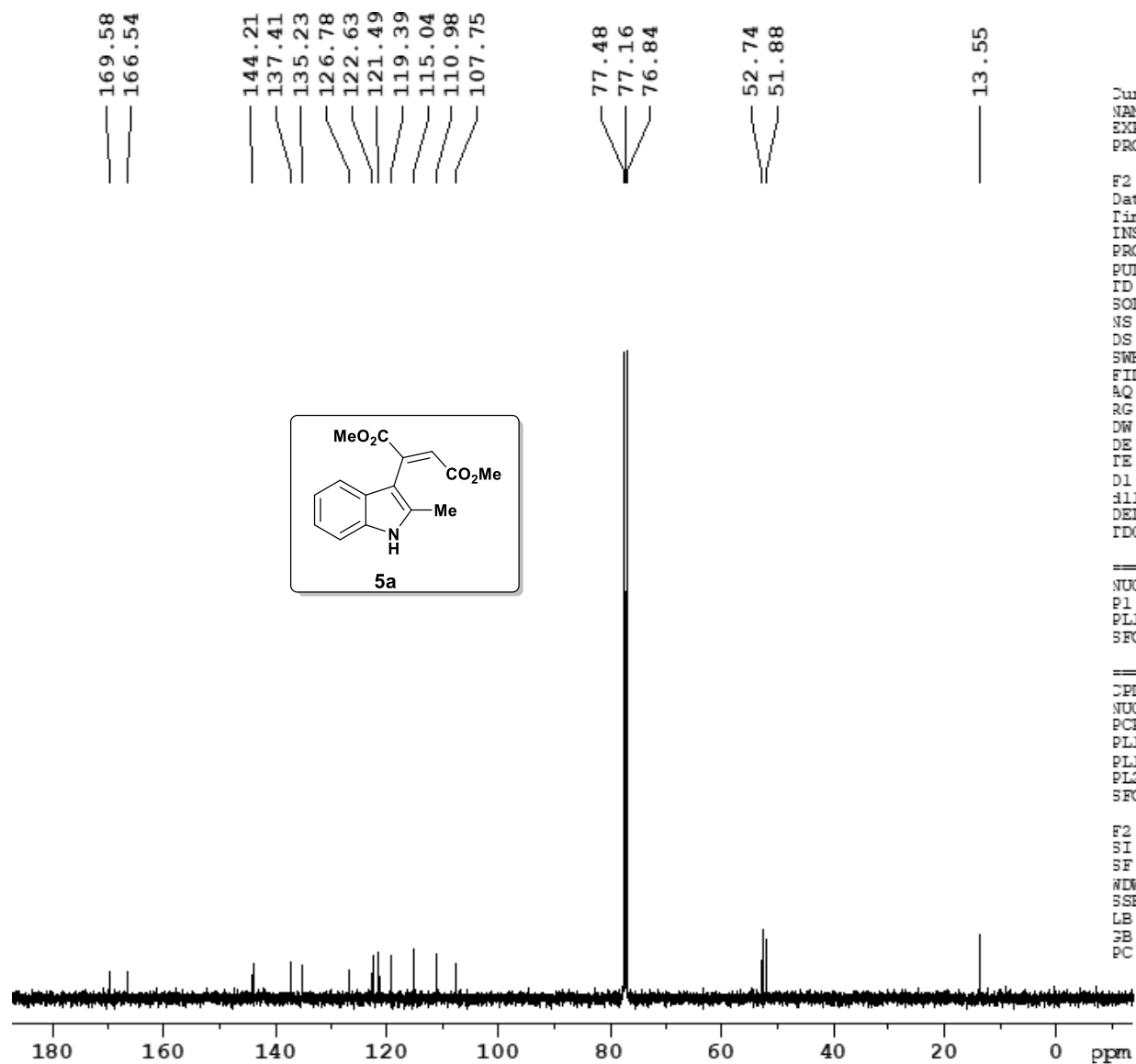


Current Data Parameters
NAME PVK- 2-ME-IND
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20180823
Time 12.25
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 8223.686 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 287
DW 60.800 usec
DE 6.00 usec
TE 295.3 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 14.35 usec
PL1 -1.00 dB
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300048 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



```

Current Data Parameters
NAME      PVK-  2-ME-IND
EXPNO     2
PROCNO    1

F2 - Acquisition Parameters
Date_     20180823
Time_     12.31
INSTRUM   spect
PROBHD    5 mm BBO BB-1H
PULPROG   zgpg30
ID        65536
SOLVENT   CDC13
NS         256
DS         4
SWH        24038.461 Hz
FIDRES     0.366798 Hz
AQ         1.3631988 sec
RG         645
DW         20.800 usec
DE         6.00 usec
TE         295.4 K
D1         2.00000000 sec
d11        0.03000000 sec
DELTA      1.89999998 sec
fDO        1

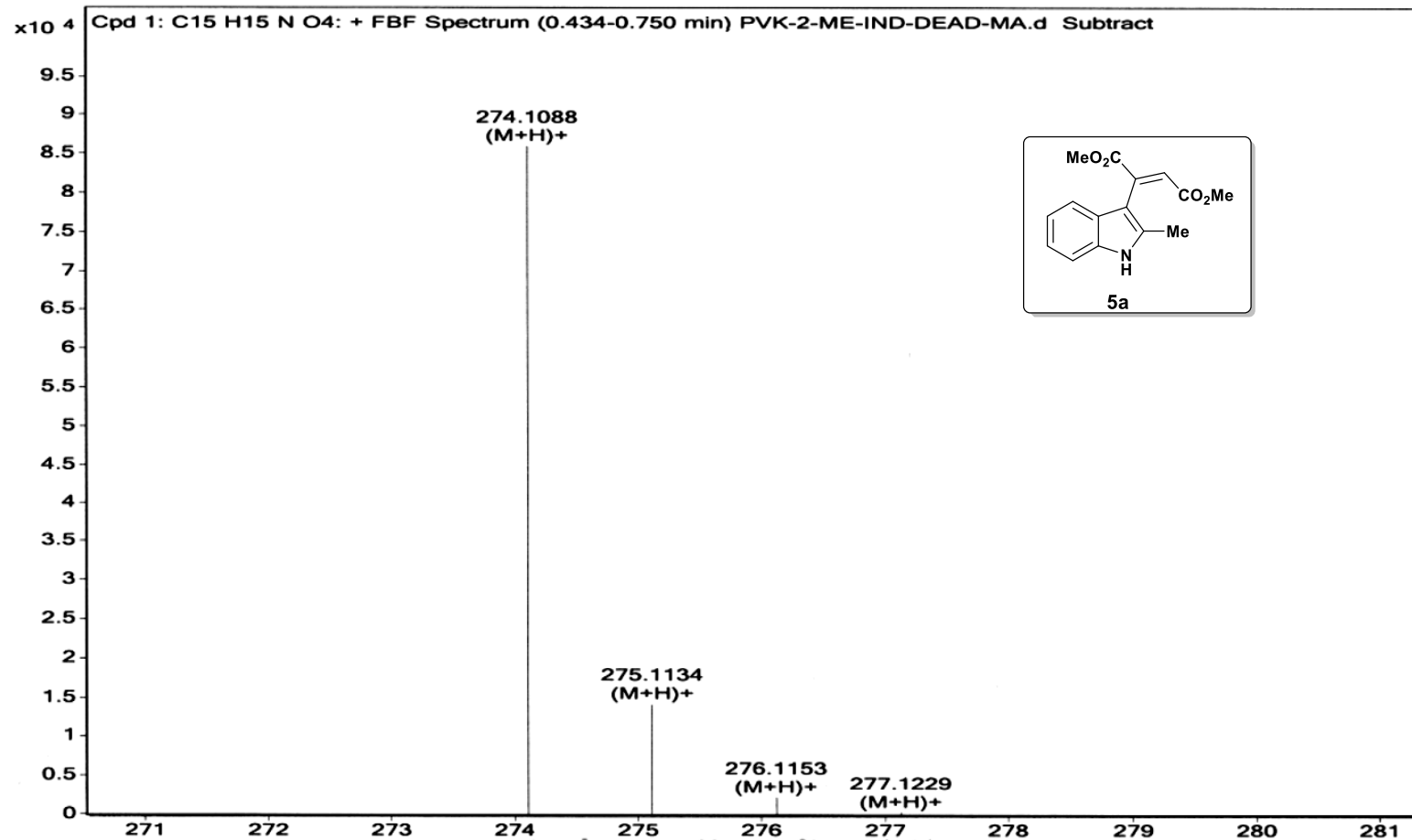
===== CHANNEL f1 =====
NUC1       13C
P1         9.95 usec
PL1        -1.00 dB
SFO1       100.6228298 MHz

===== CHANNEL f2 =====
CPDPRG2    waltz16
NUC2       1H
PCPD2      90.00 usec
PL12       14.95 dB
PL13       120.00 dB
PL2        -1.00 dB
SFO2       400.1316005 MHz

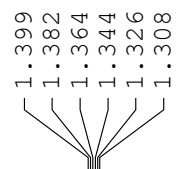
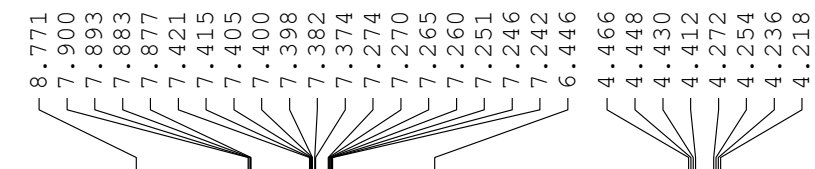
F2 - Processing parameters
SI         32768
SF         100.6127549 MHz
WDW        EM
SSB        0
LB         1.00 Hz
GB         0
PC         1.40

```

Sample Name	PVK-2-ME-IND-DEAD-MA	Position		Instrument Name	Q-TOF	User Name	QTOF-PU\admin
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	PVK-2-ME-IND-DEAD-MA	ACQ Method	Pondicherry Universi	Comment	PVK-MB-302.1392	Acquired Time	25-04-2018 16:00:40

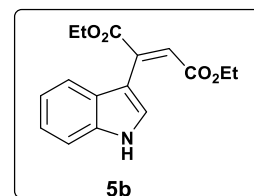


PROTON CDC13 {D:\MB} KOPAL 1



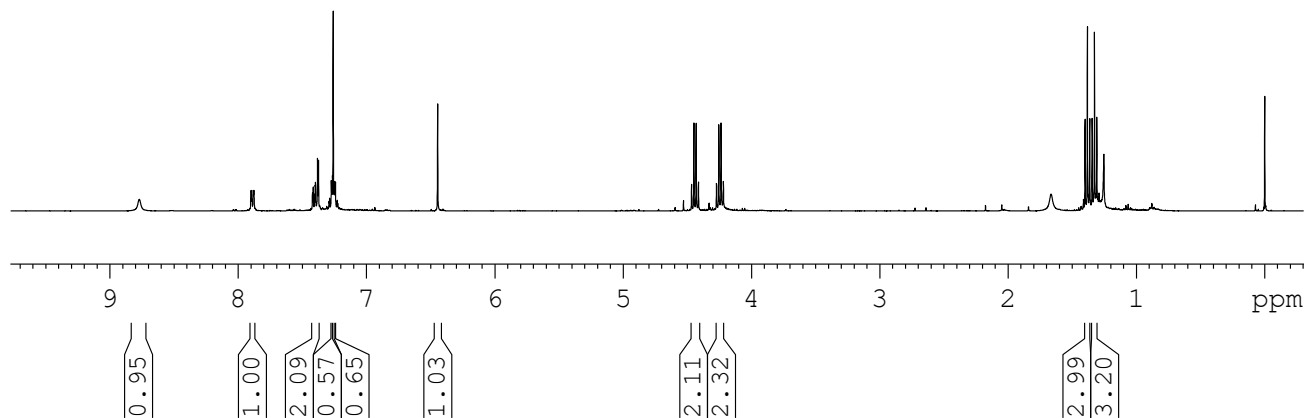
Current Data Parameters
NAME PVK-IND-DEAD-D
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20180408
Time 12.26
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 65536
SOLVENT CDC13
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 256
DW 60.800 usec
DE 6.00 usec
TE 291.9 K
D1 1.00000000 sec
TD0 1



===== CHANNEL f1 =====
NUC1 1H
P1 14.35 usec
PL1 -1.00 dB
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300049 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



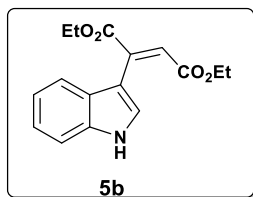
168.99
166.25

144.50
137.19
127.97
124.66
123.62
121.91
120.59
112.15
111.71

77.48
77.16
76.84

61.96
60.69

14.43
14.20



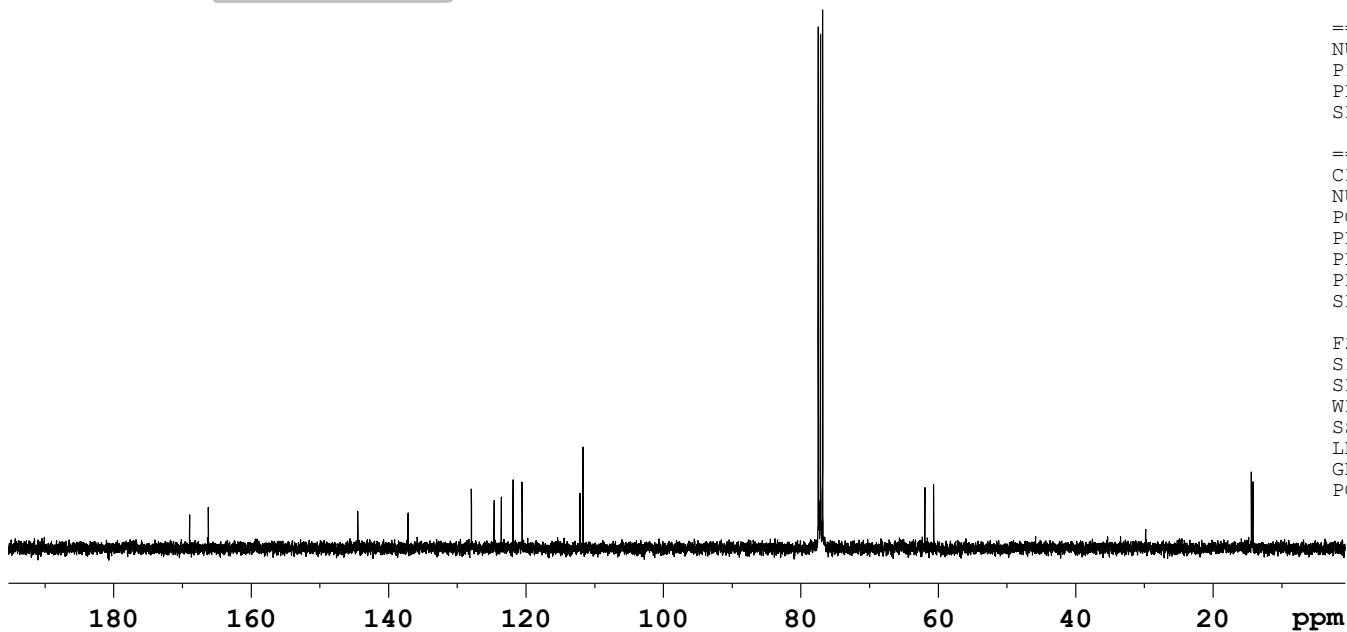
Current Data Parameters
NAME PVK-IND-DEAD-D
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20180410
Time_ 10.44
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 256
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 45.2
DW 20.800 usec
DE 6.00 usec
TE 293.2 K
D1 1.00000000 sec
d11 0.03000000 sec
DELTA 0.89999998 sec
TD0 1

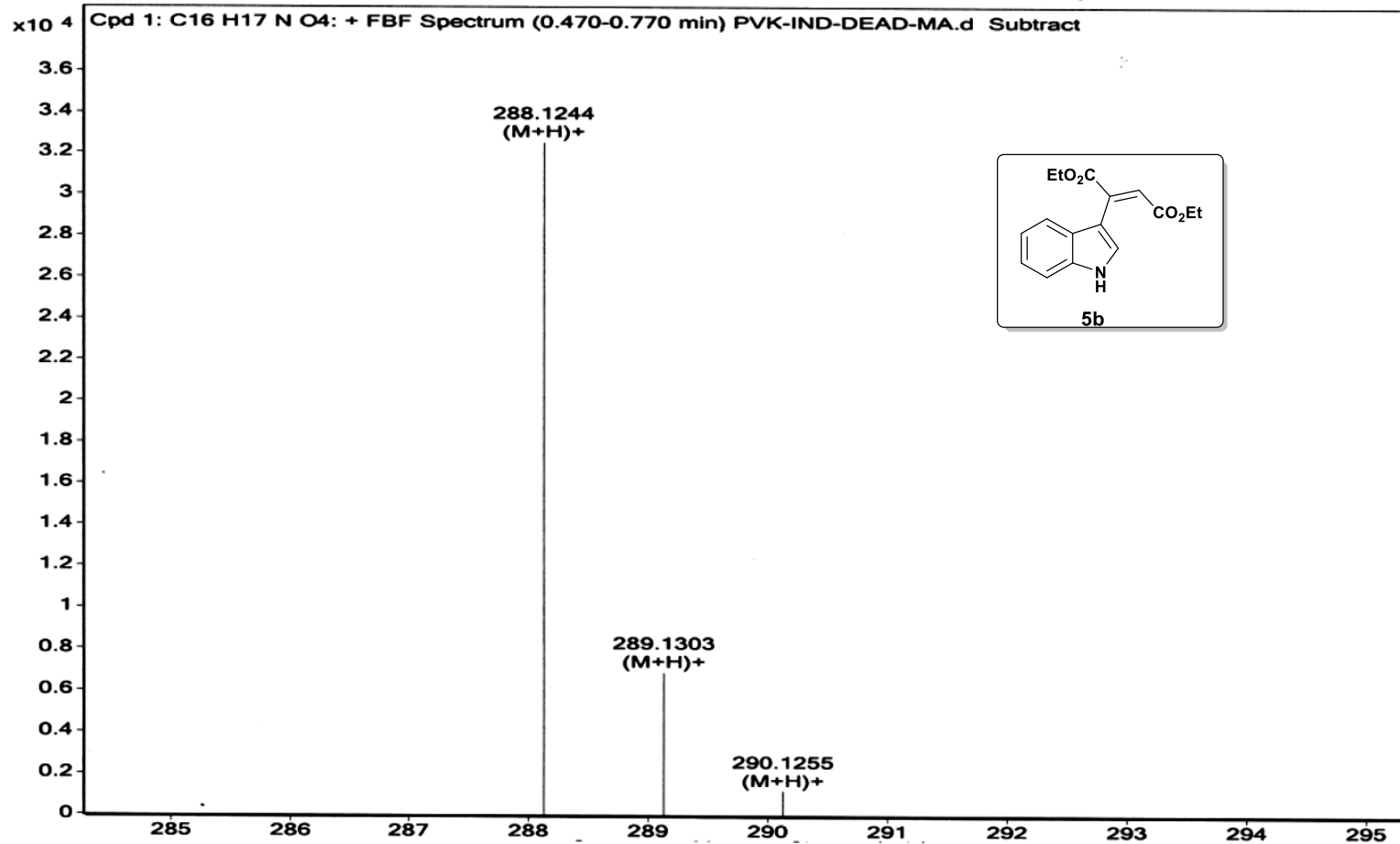
===== CHANNEL f1 =====
NUC1 13C
P1 9.95 usec
PL1 -1.00 dB
SFO1 100.6228298 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL12 14.95 dB
PL13 120.00 dB
PL2 -1.00 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127560 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



Sample Name	PVK-IND-DEAD-MA	Position		Instrument Name	Q-TOF	User Name	QTOF-PU\admin
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	PVK-IND-DEAD-MA.d	ACQ Method	Pondicherry Universi	Comment	PVK-MB-288.1236	Acquired Time	25-04-2018 16:17:35

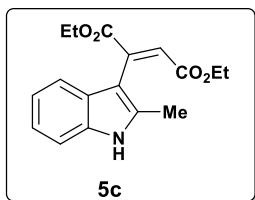


PROTON CDC13 {D:\MB} KOPAL 1

8.407
7.705
7.689
7.682
7.280
7.278
7.273
7.271
7.267
7.167
7.163
7.154
7.144
7.140
6.193

4.444
4.426
4.408
4.390
4.271
4.253
4.235
4.217

2.398
1.626
1.396
1.378
1.360
1.344
1.326
1.308



Current Data Parameters
NAME PVK-2-Me-IND-DEAD-D
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters

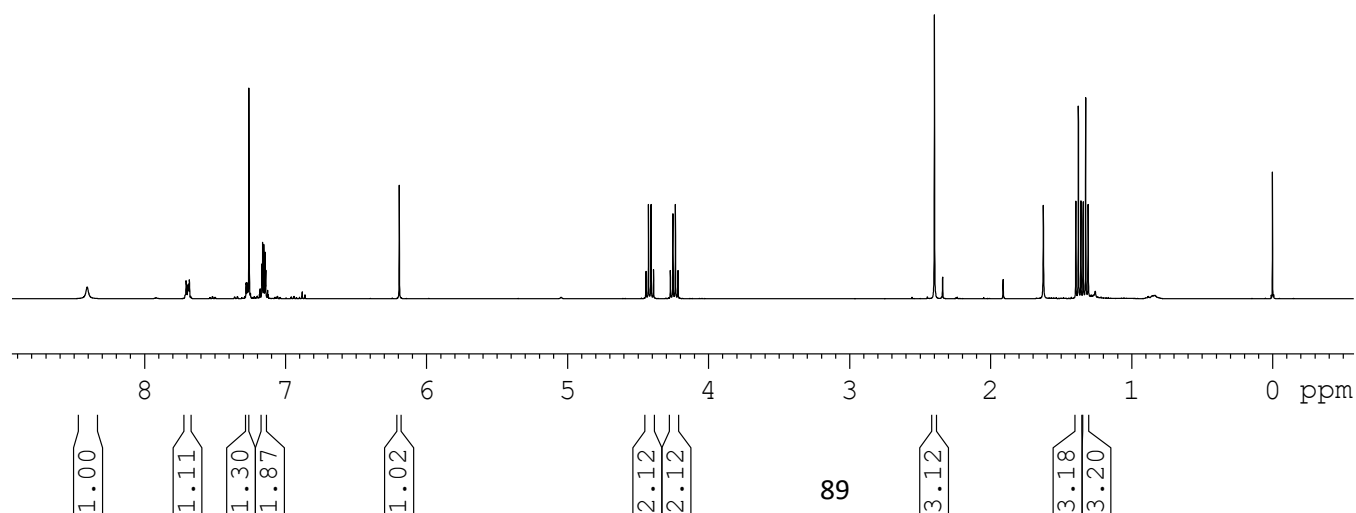
Date_ 20180408
Time 22.44
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 65536
SOLVENT CDC13
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 287
DW 60.800 usec
DE 6.00 usec
TE 295.0 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====

NUC1 1H
P1 14.35 usec
PL1 -1.00 dB
SFO1 400.1324710 MHz

F2 - Processing parameters

SI 32768
SF 400.1300048 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

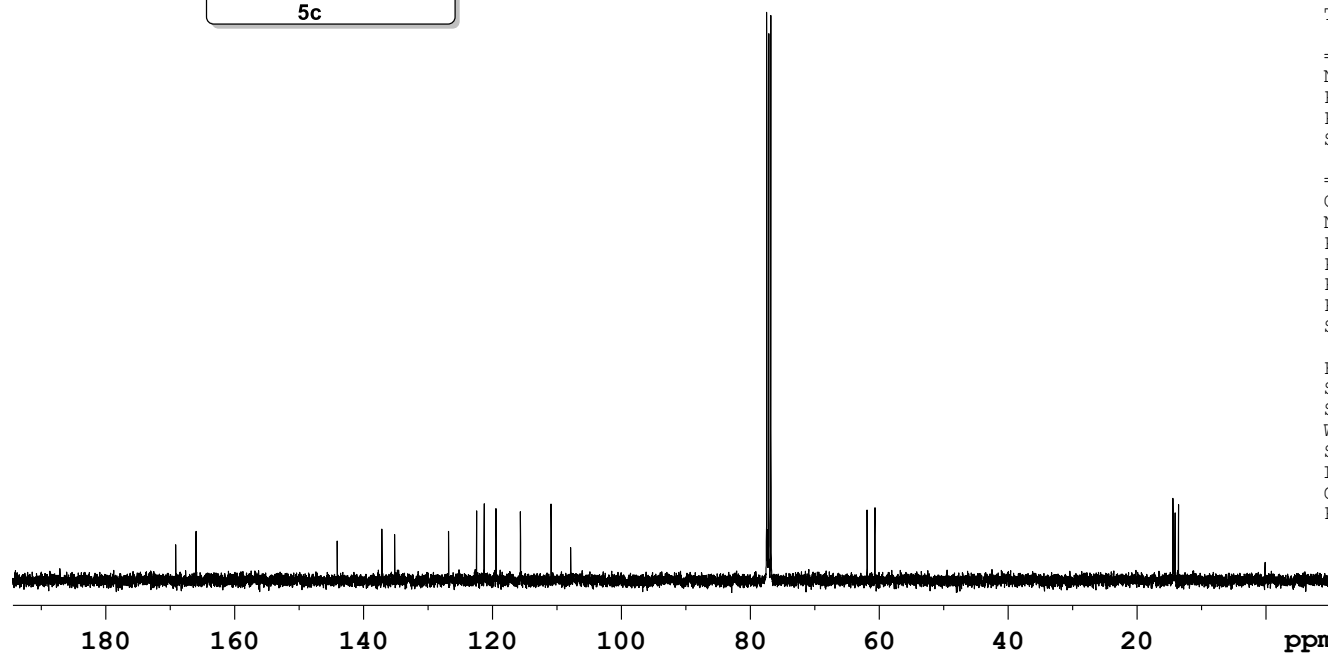
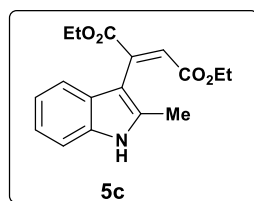


169.20
166.05

144.13
137.19
135.22
126.84
122.50
121.32
119.48
115.69
110.92
107.89

77.48
77.16
76.84
61.89
60.69

14.42
14.09
13.57



Current Data Parameters
NAME PVK-2-Me-IND-DEAD-D
EXPNO 2
PROCNO 1

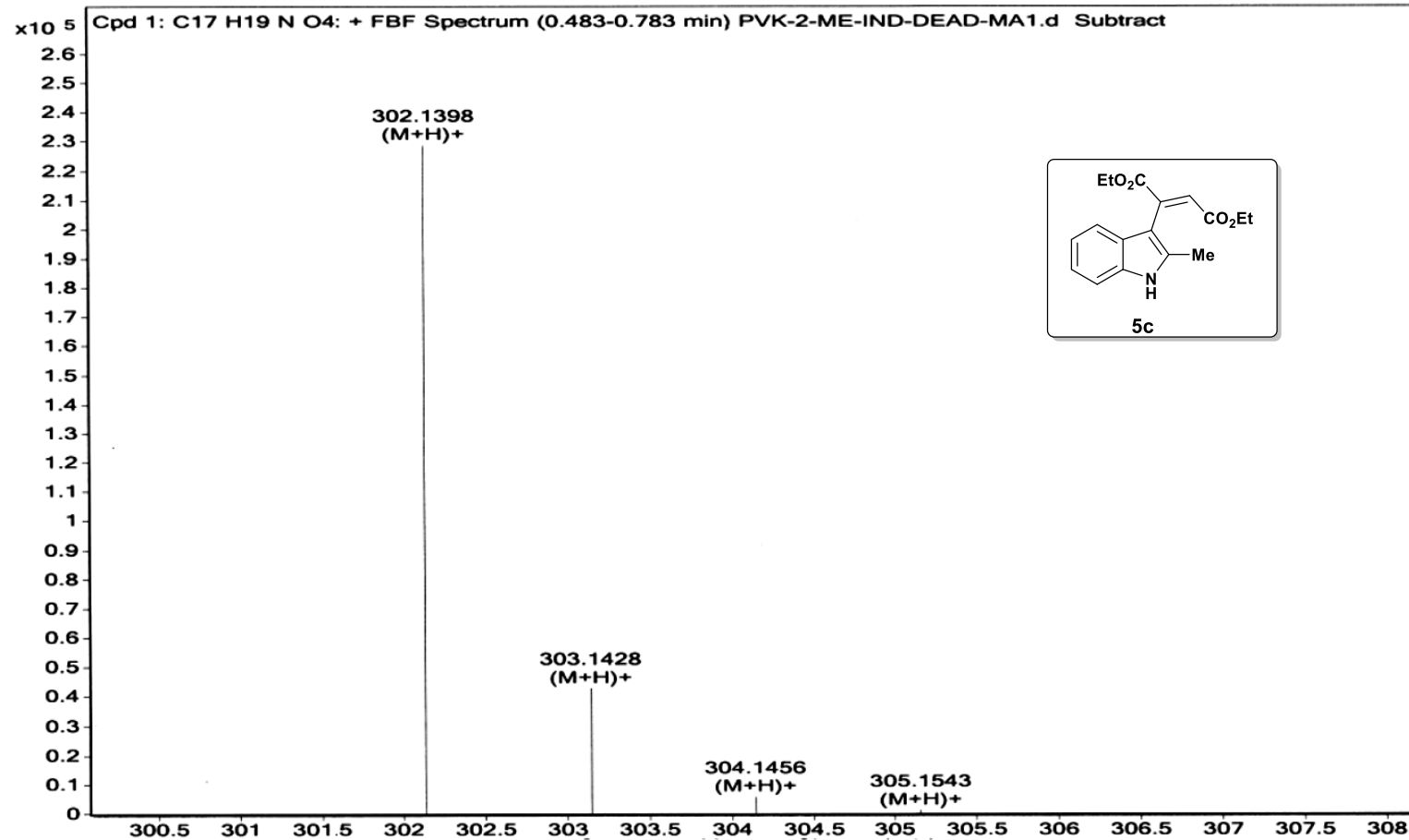
F2 - Acquisition Parameters
Date_ 20180410
Time_ 10.31
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 243
DS 4
SWH 24038.461 Hz
FIDRES 0.366798 Hz
AQ 1.3631988 sec
RG 362
DW 20.800 usec
DE 6.00 usec
TE 292.8 K
D1 1.00000000 sec
d11 0.03000000 sec
DELTA 0.89999998 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.95 usec
PL1 -1.00 dB
SFO1 100.6228298 MHz

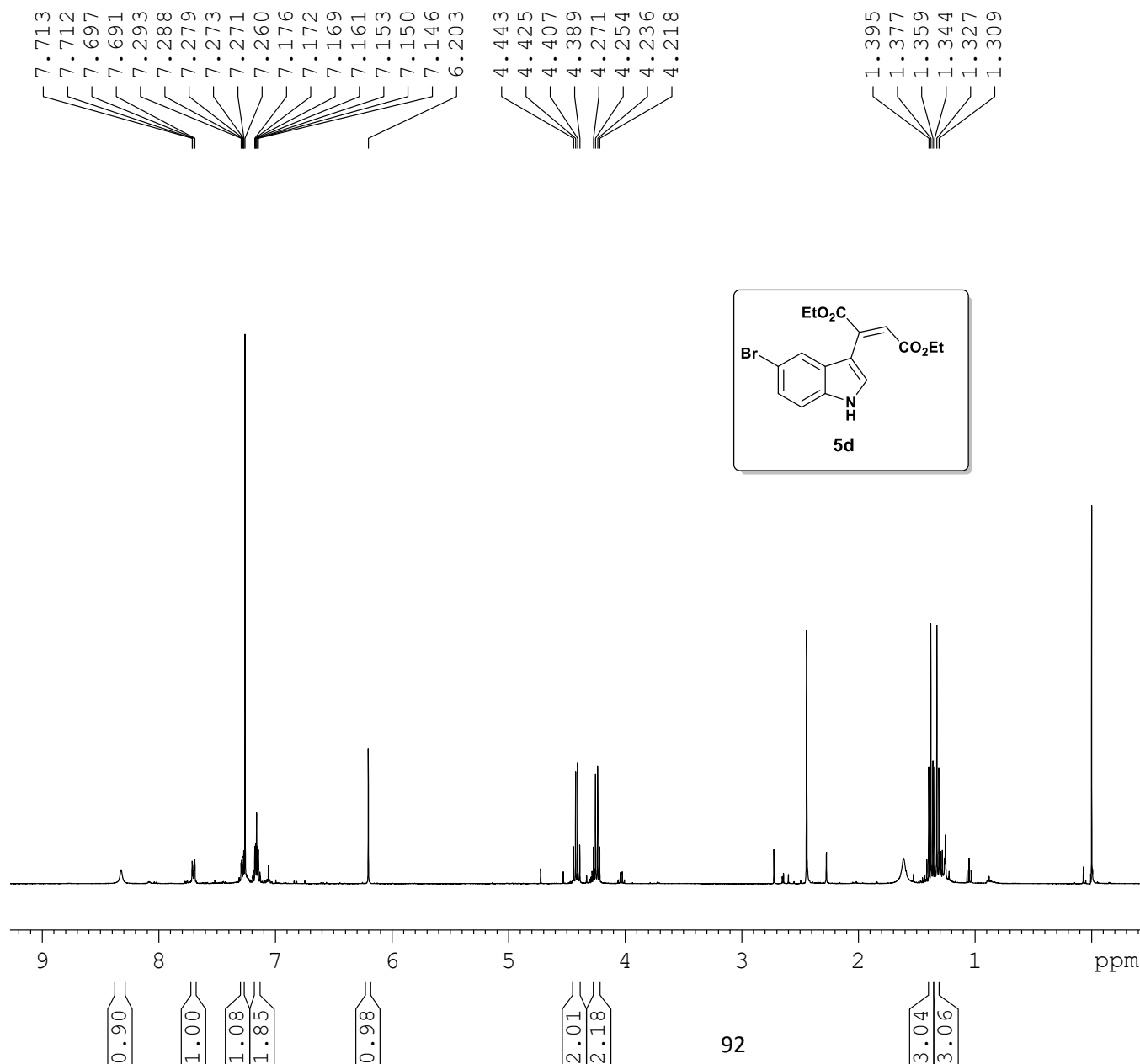
===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL12 14.95 dB
PL13 120.00 dB
PL2 -1.00 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127555 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Sample Name	PVK-2-ME-IND-DEAD-MA	Position		Instrument Name	Q-TOF	User Name	QTOF-PU\admin
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	PVK-2-ME-IND-DEAD-MA	ACQ Method	Pondicherry Universi	Comment	PVK-MB-302.1392	Acquired Time	25-04-2018 16:06:42



PROTON CDCl3 {D:\MB} KOPAL 1

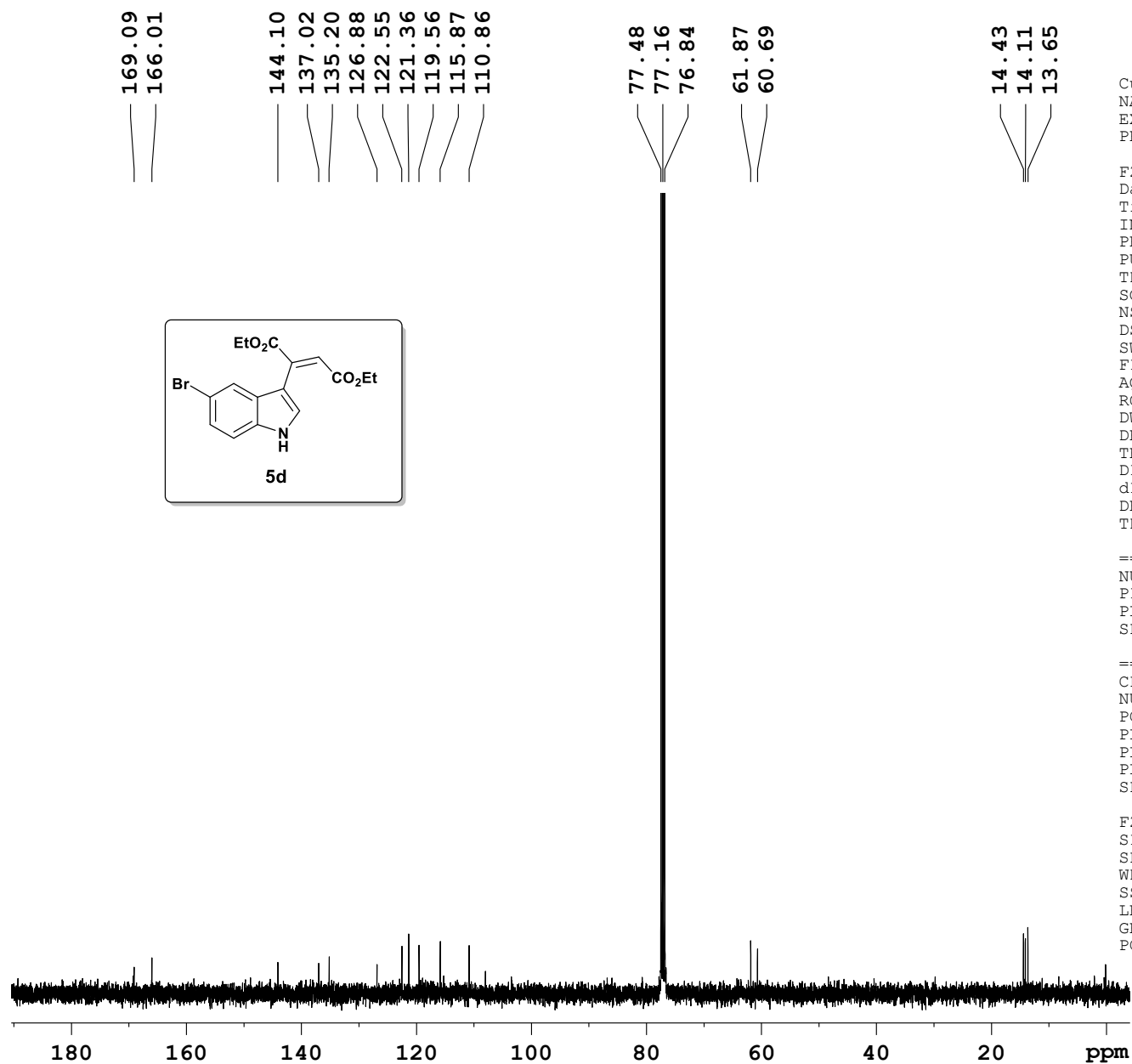
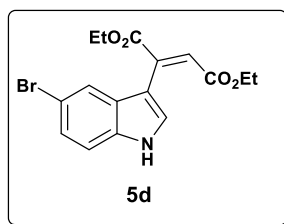


Current Data Parameters
NAME PVK-5-Br-IND-DEAD
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20180408
Time 12.30
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 362
DW 60.800 usec
DE 6.00 usec
TE 292.1 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 14.35 usec
PL1 -1.00 dB
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300048 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



Current Data Parameters
 NAME PVK-5-Br-IND-DEAD
 EXPNO 2
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20180408
 Time_ 12.38
 INSTRUM spect
 PROBHD 5 mm BBO BB-1H
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 350
 DS 4
 SWH 24038.461 Hz
 FIDRES 0.366798 Hz
 AQ 1.3631988 sec
 RG 322
 DW 20.800 usec
 DE 6.00 usec
 TE 292.4 K
 D1 1.00000000 sec
 d11 0.03000000 sec
 DELTA 0.89999998 sec
 TD0 1

===== CHANNEL f1 =====
 NUC1 13C
 P1 9.95 usec
 PL1 -1.00 dB
 SFO1 100.6228298 MHz

===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 90.00 usec
 PL12 14.95 dB
 PL13 120.00 dB
 PL2 -1.00 dB
 SFO2 400.1316005 MHz

F2 - Processing parameters
 SI 32768
 SF 100.6127547 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

Sample Name	PVK-5-Br-IND-DEAD-RP	Position		Instrument Name	Q-TOF	User Name	QTOF-PU\admin
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	PVK-5-Br-IND-DEAD-RP	ACQ Method	Pondicherry Universi	Comment	PVK-MB-365.2303	Acquired Time	09-05-2018 14:51:28

