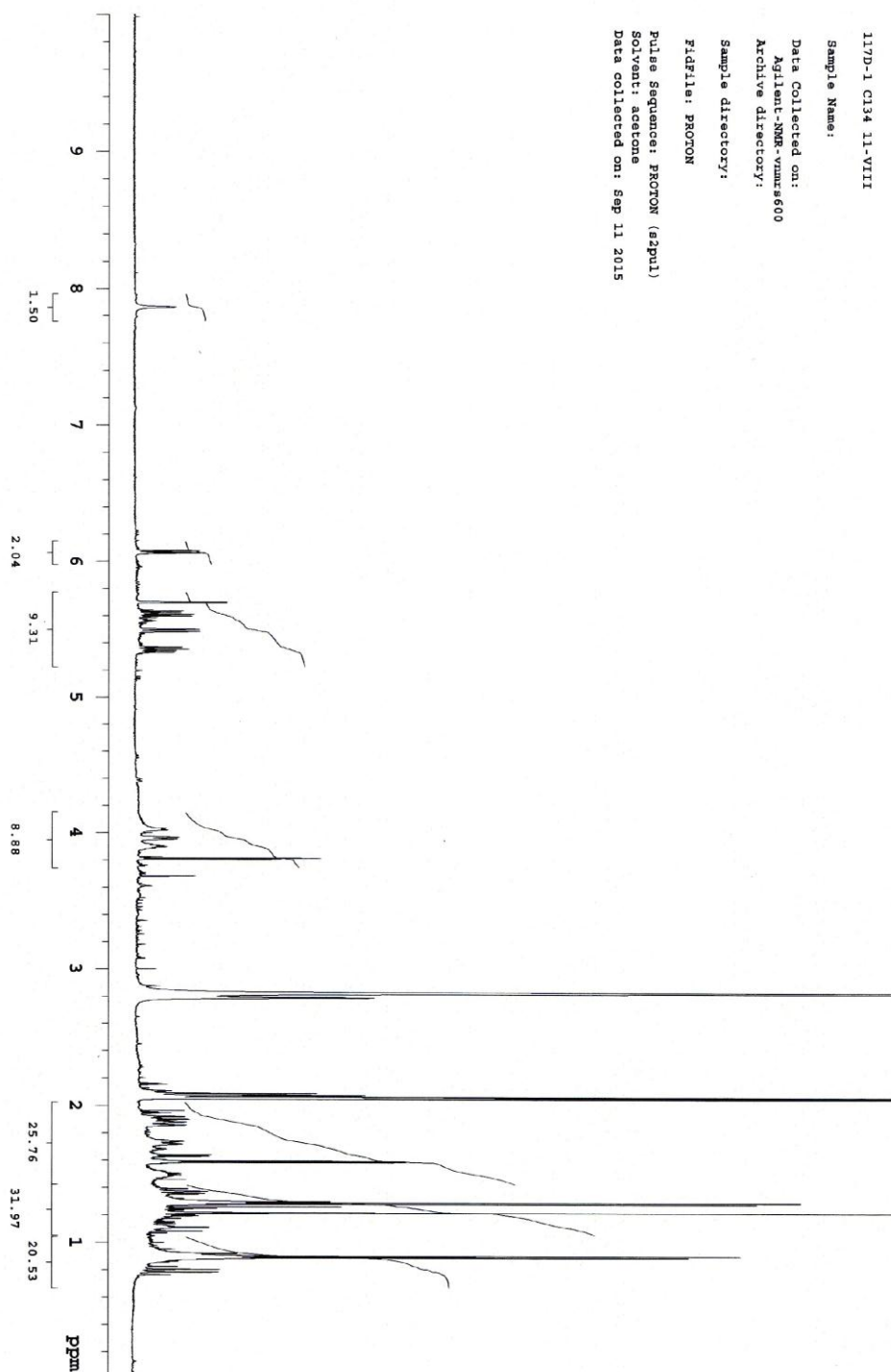
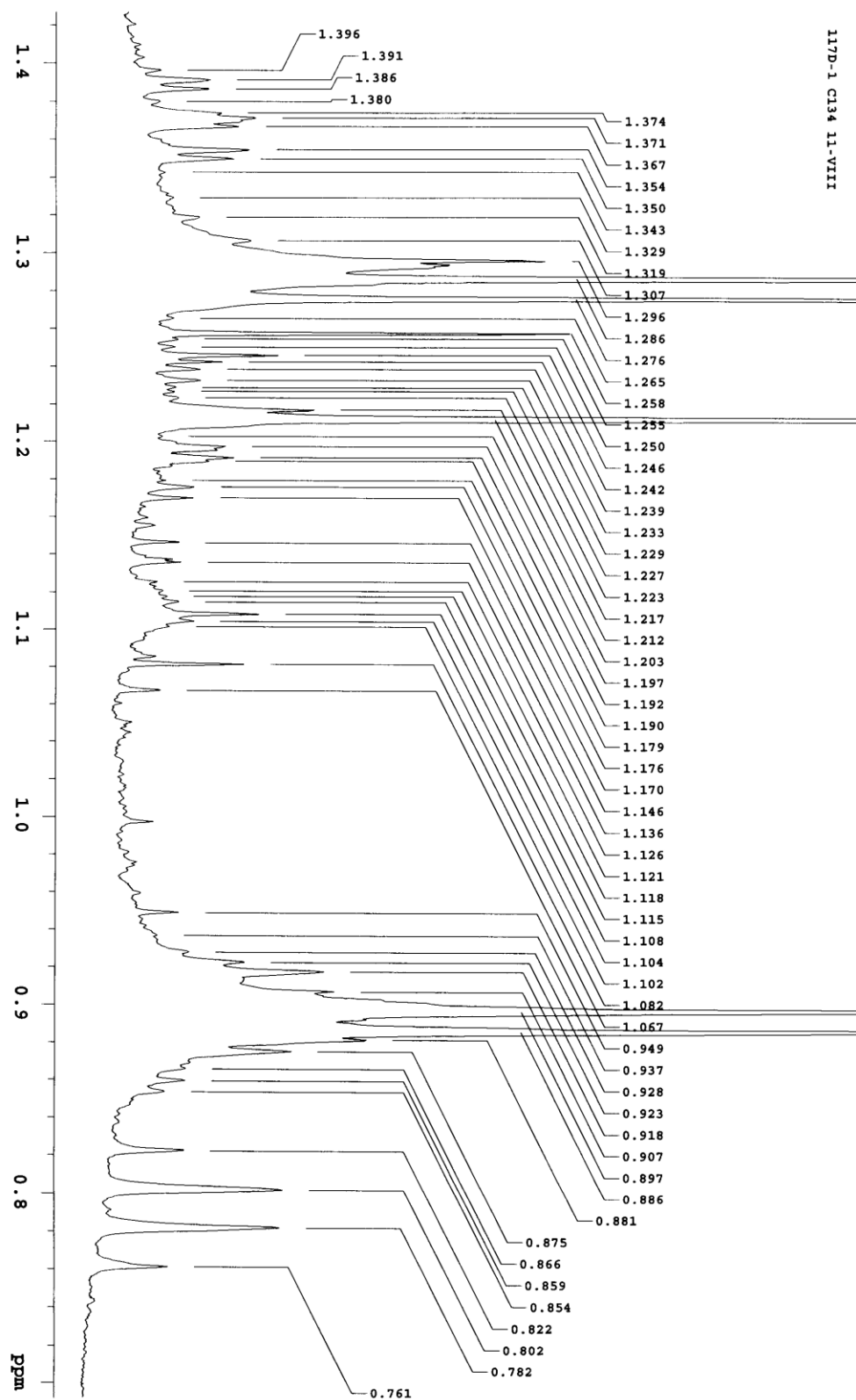
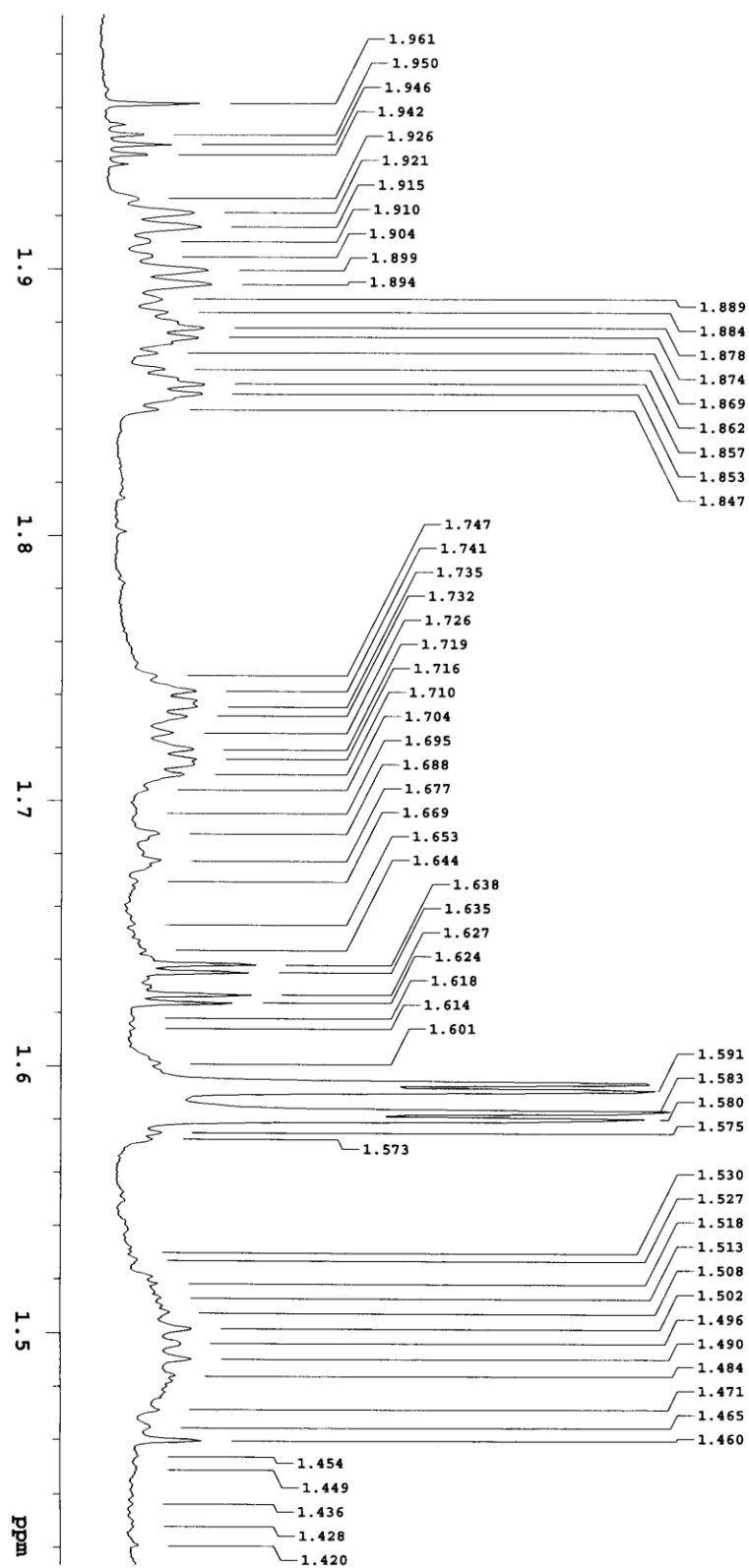
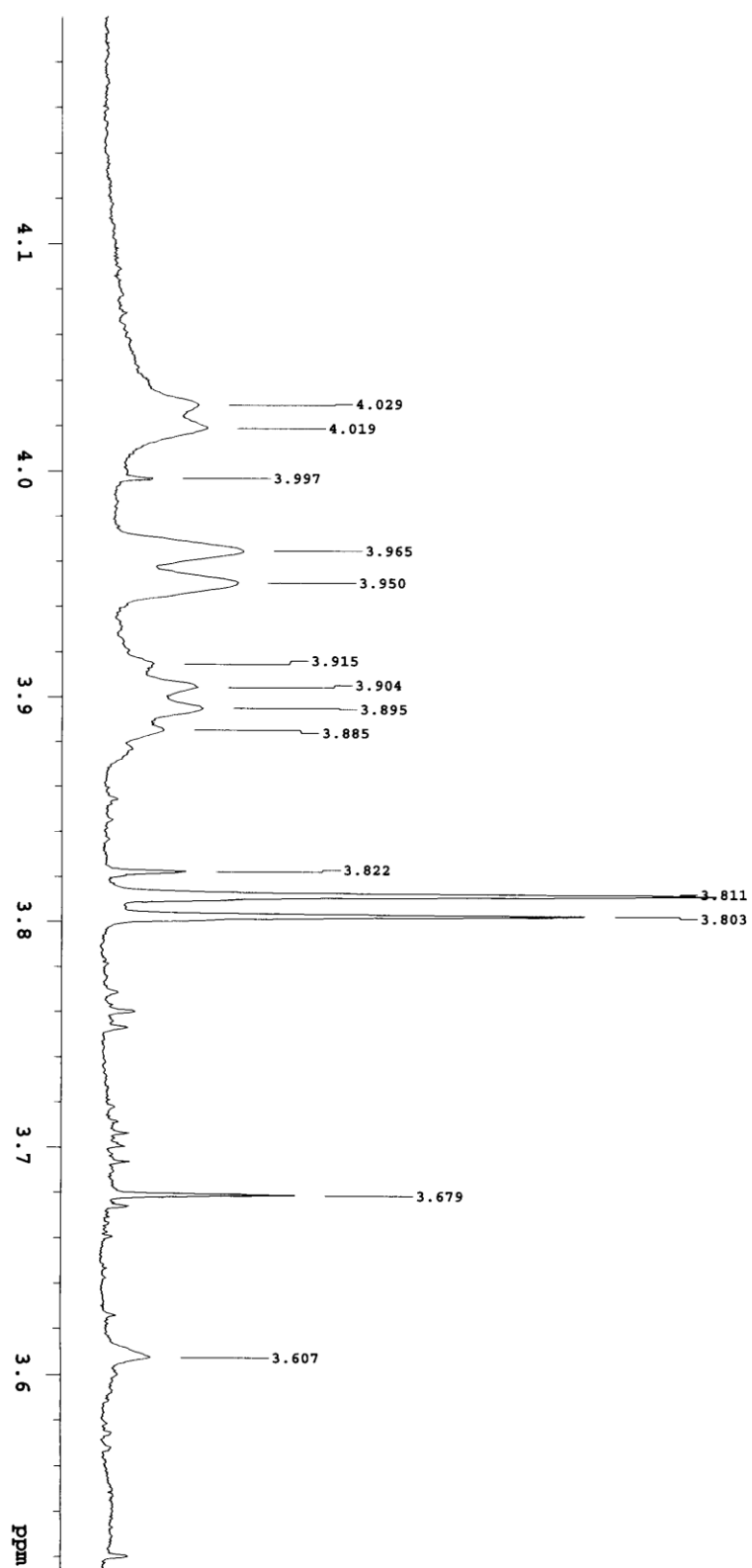


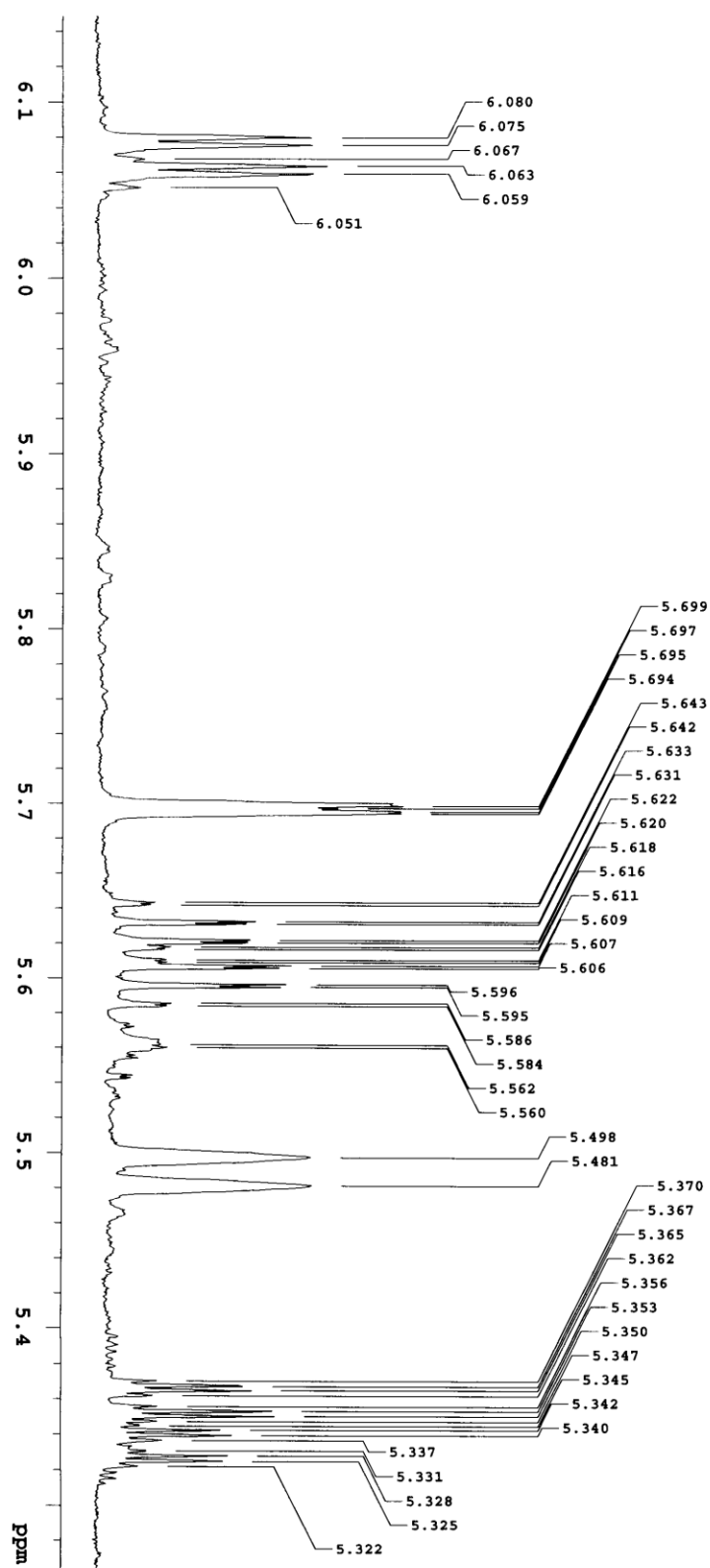
Figure S25 ^1H and ^{13}C NMR spectra in acetone- d_6 of **5**











117D-1 C134 11-VIII

Sample Name:

Data Collected on:

Agilent-NMR-vnmr500

Archive directory:

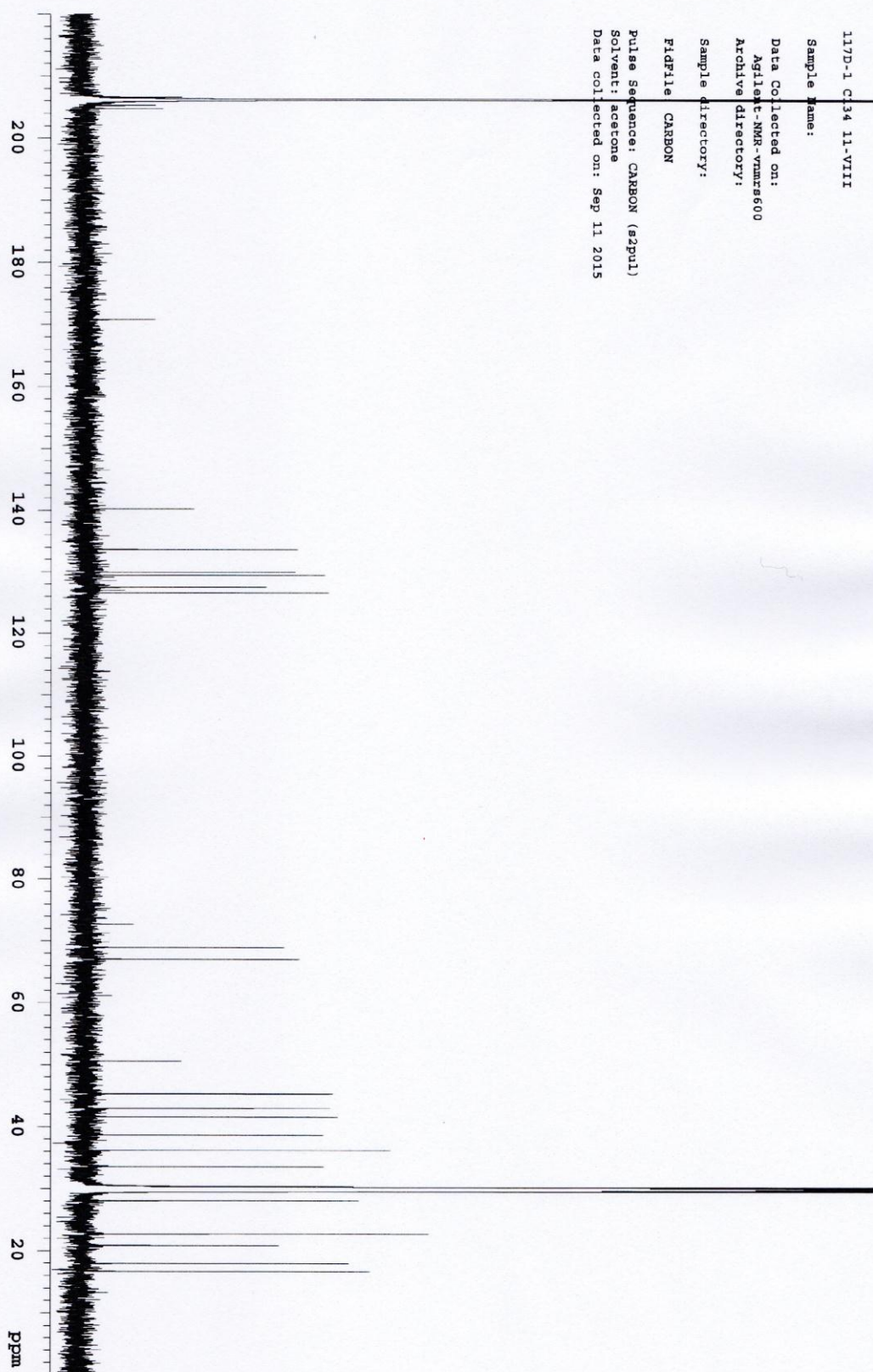
Sample directory:

F1dFile CARBON

Pulse Sequence: CARBON (s2pul)

Solvent: acetone

Data collected on: Sep 11 2015



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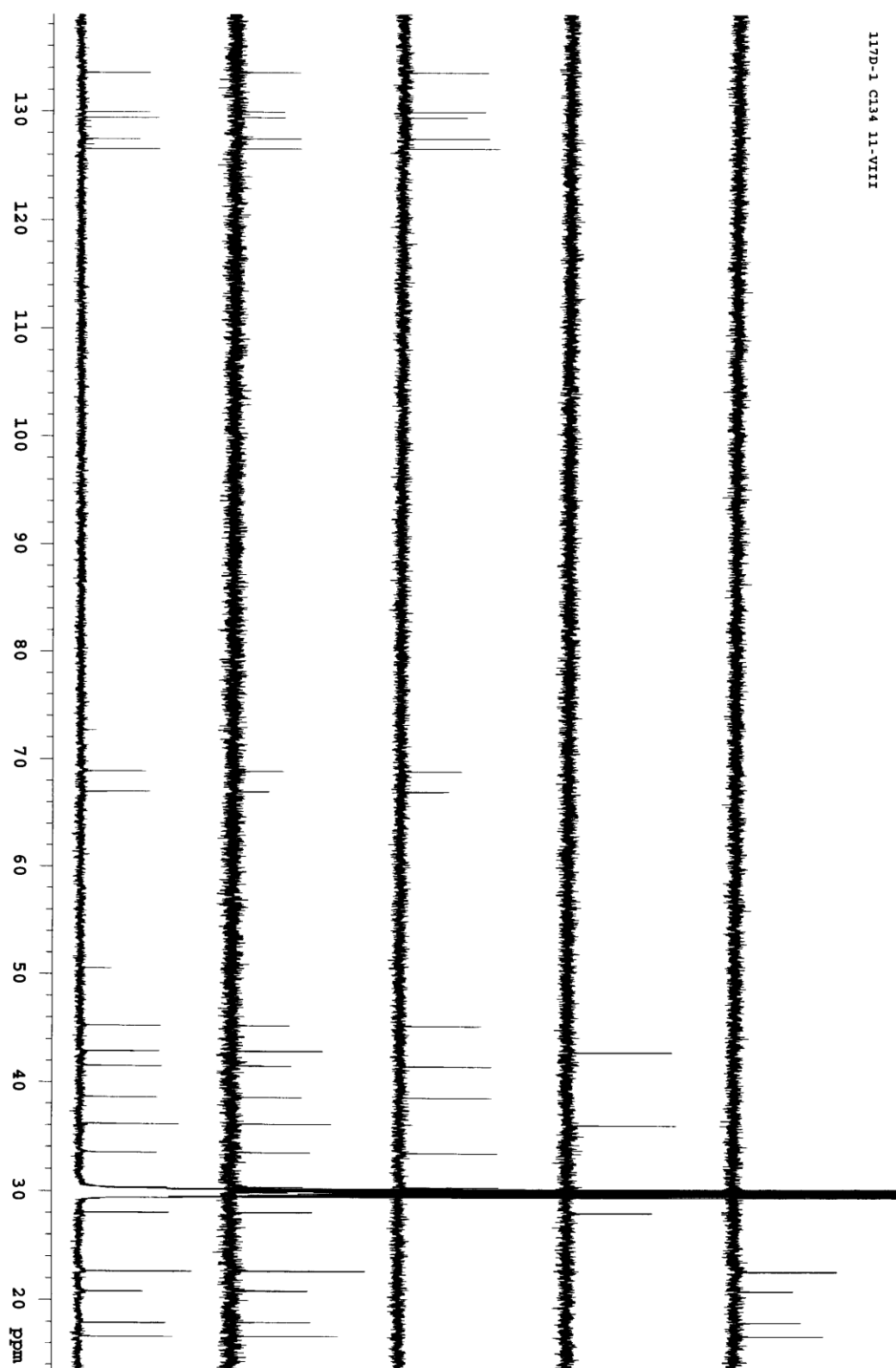
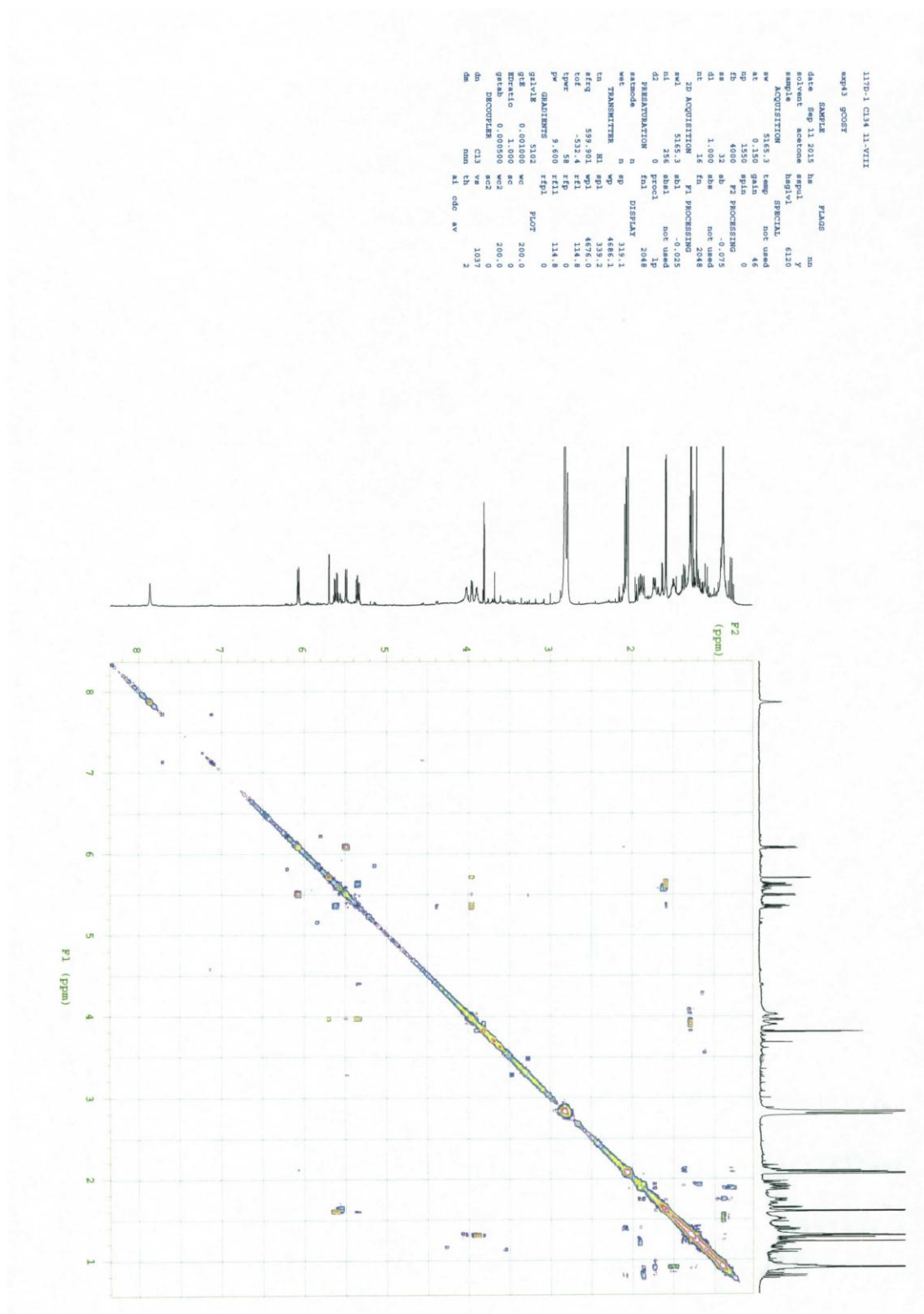


Figure S26 ^1H - ^1H COSY of **5**




```

117D-1 C134 11-VIII
exp43 PROCY

SAMPLE
date Sep 11 2015 ha
solvent acetone aspl
sample basyl1 6120
ACQUISITION SPECIAL
ac 5165.3 temp not used
at 0.150 gain 46
ap 1350 spin 0
as 4032 ab -0.075
dt 1.000 abx not used
nt 16 fn 2048
2D ACQUISITION F1 PROCESSING
sw1 5165.3 ab1 -0.025
n1 256 abal not used
d2 0 procl 1p
PRESATURATION fn1
satmode n DISPLAY
wet n ap 374.5
ts TRANSMITTER n1 1374.1
rfq n1 1374.0
rfq 559.901 wpt 3077.0
tcf -512.4 rfi 114.8
lpr 56 rfi 0
pw 5.600 rfi 114.8
GRADIENTS 5102 rfi 0
gvlr 0.00100 wc 250.0
gle 0.00100 wc 250.0
grtlo 1.000 ac 0
grtad 0.000500 wc2 200.0
DECOUPLER C13 w 1037
dm nm 12
al cdc av 2

```

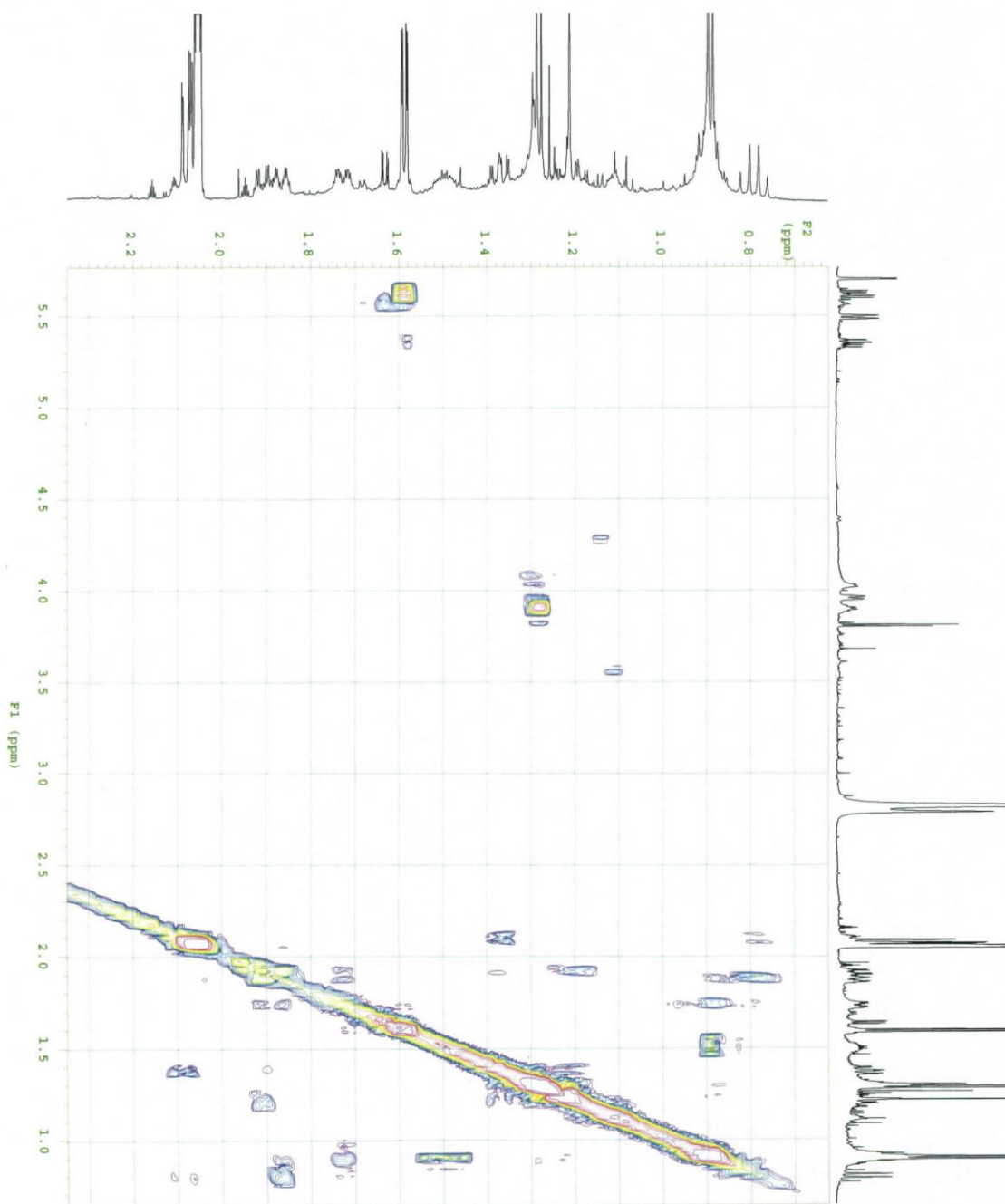
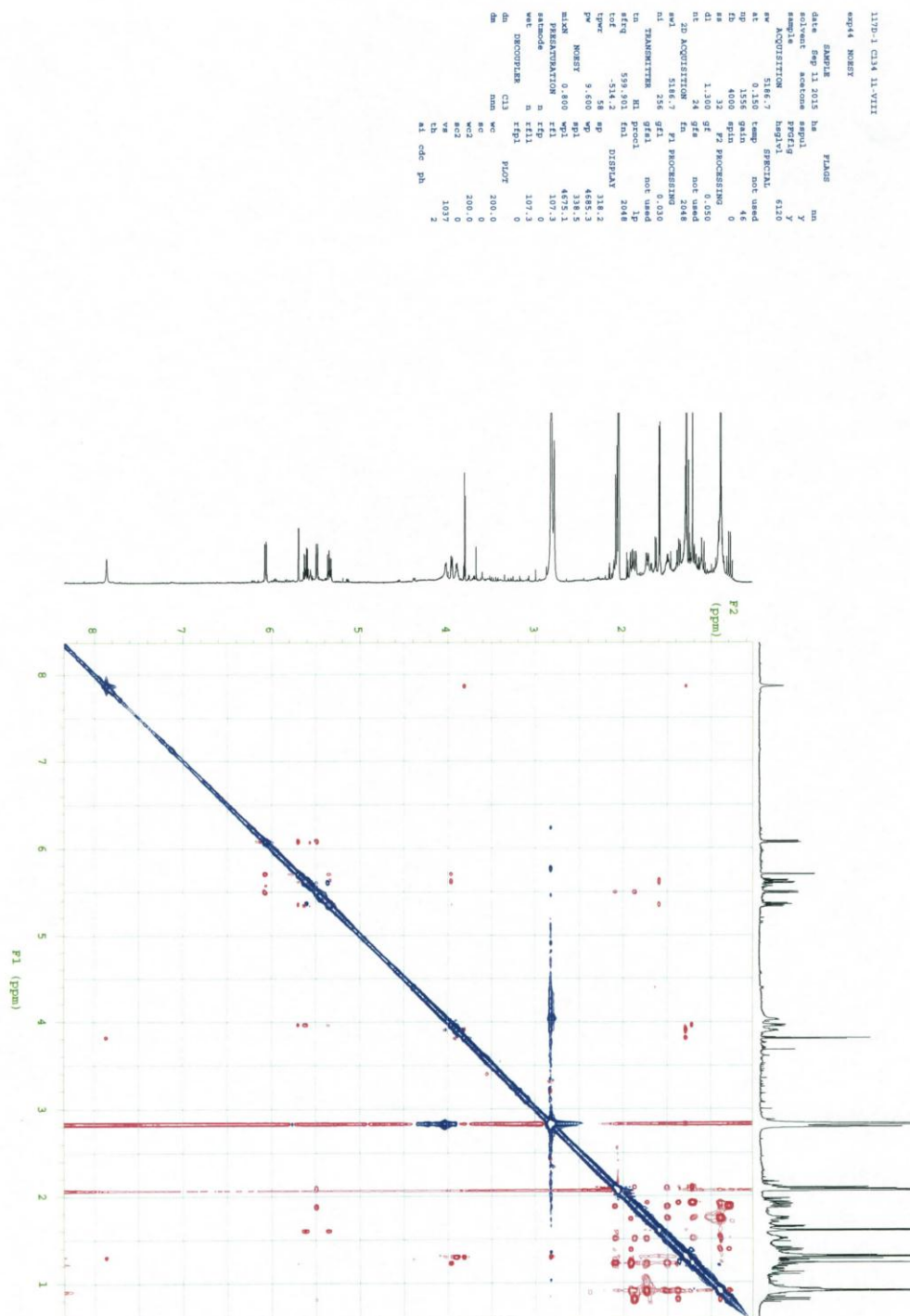
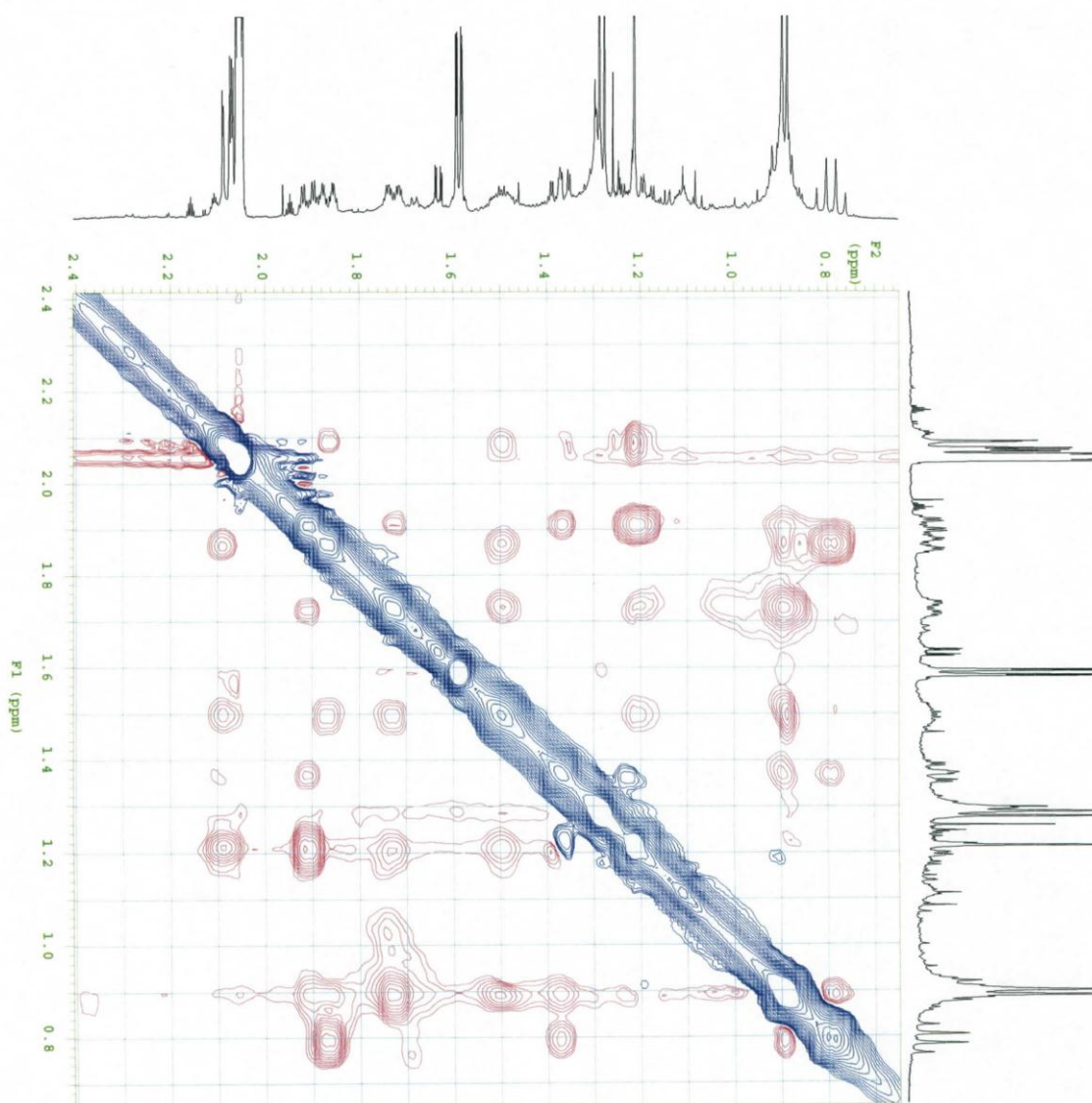


Figure S27 NOESY of **5**

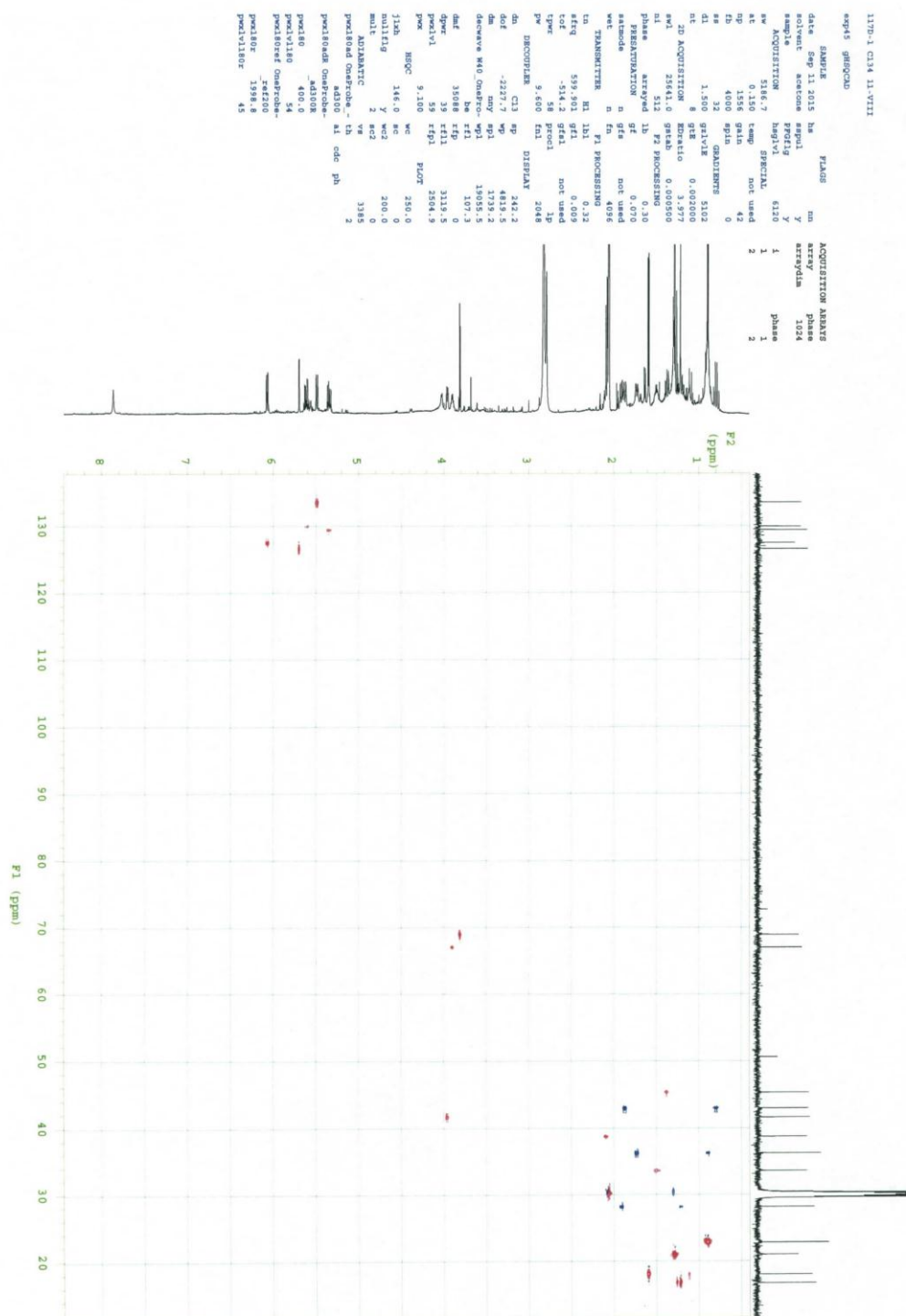


117D-1 C134 11-VIII
exp44 M085Y

SAMPLE		FLAGS	
date	Sep 11 2015	hs	nm
solvent	acetone	appl	y
sample	PPG1g	PPG1g	y
ACQUISITION	hsq1v1	6120	
sw	5186.7	SPECTRA	
nt	0.150	temp	not used
td	0.150	spin	46
fb	4000	spin	46
as	32	F2 PROCESSING	
dl	1.300	gfs	not used
nt	24	gfs	2048
2D ACQUISITION	fn	F1 PROCESSING	
sw1	5186.7	gfs1	0.030
nl	256	gfs1	not used
TRANSMITTER	nl	proc1	1p
tn	599.901	fn1	2048
sfreq	-514.2	sp	DIRECT
ufreq	9.600	wpi	1053.6
pw	9.600	wpi	1058.6
mlw	0.800	rfl	107.3
PRESATURATION	n	rfg	0
satmode	n	rfl1	107.3
wet	n	rfl1	0
DECOUPLER	CL13	rfp1	0
dm	nm	wg	200.0
	ac	wd2	200.0
	wd3	wd3	1037
	th	at	cdc
	ph		2



90



exp45 ghsqcal

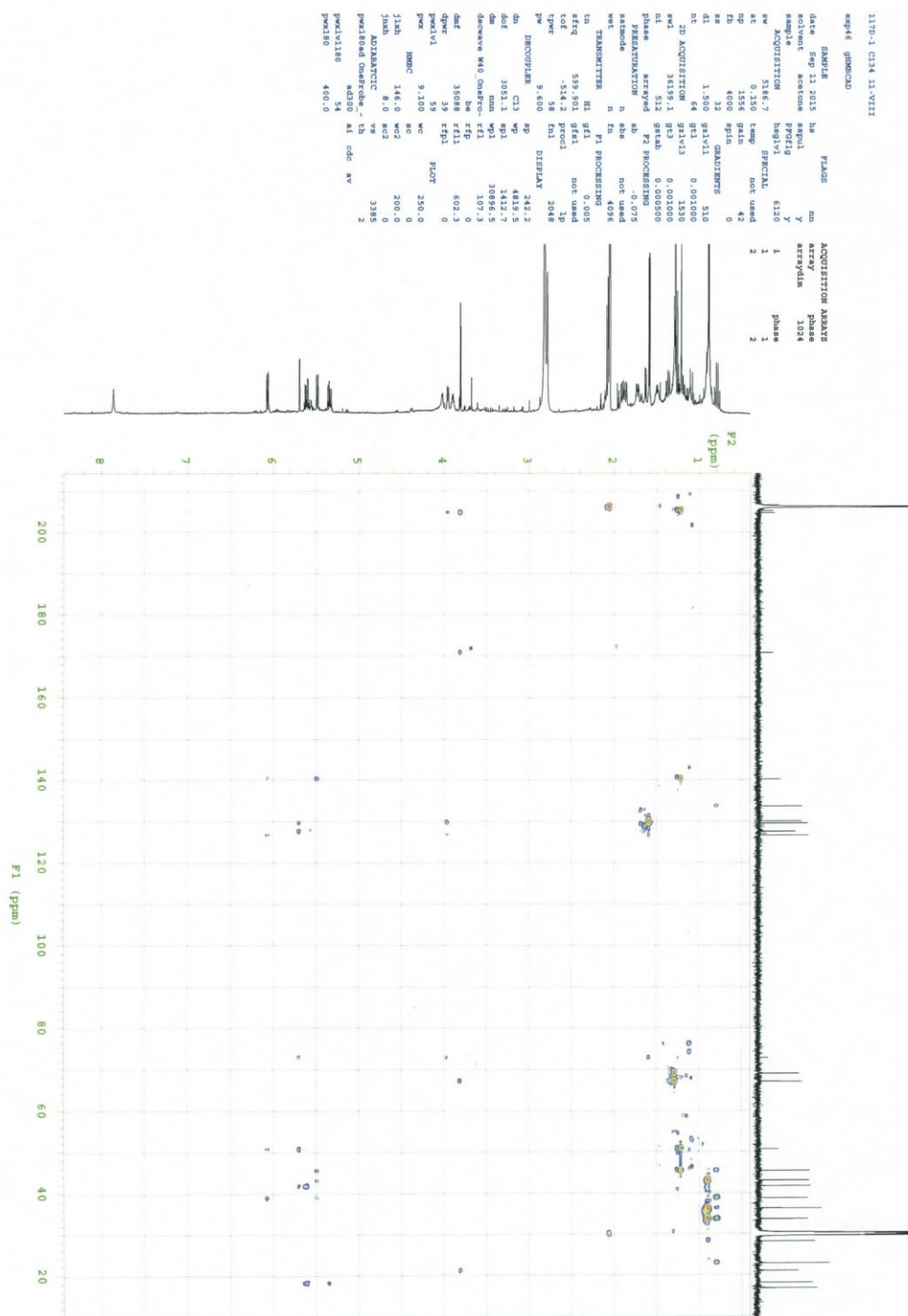
```

pex10aDr OneProb-
- ad30R
pex180 400.0
pex1v180 54
pex180ref OneProb-
- ref200
pex180r 198.8
pex1v180r 45

```



92



```

117D-1 C134 11-VIII
exp46 gbmocno

SAMPLE          FLAGS
date Sep 11 2015  ha
solvent acetone  spul
sample          y
ACQUISITION     basylv1 6120 1
nr 5186.7 SPECIAL 2
ac 0.150 temp not used 42
cp 4000 spin 0
ss 32 GRADIENTS 0
nt 1.500 gtlv11 510
2D ACQUISITION gtlv13 1330
wv1 36199.1 gtlv13 0.001000
nl 512 gtlv13 0.000500
phase arrayed F2 PROCESSING
PRESATURATION ab -0.075
astmode n abx not used
wet TRANSMITTER n En not used
in n1 gtlv1 F1 PROCESSING 4096
afcg 559.901 gtlv1 not used
tcf -514.2 ptool 1p
tper 56 fml DISPLAY 2048
pv 9.600

DECOUPLER      sp
dn C13 wp 267.6
dof 3051.1 wpl 3641.8
dm nm wpl 2473.2
decouple W40 Qnastro-F1 9261.9
dnt hz fpl 107.3
dper 35088 fcl 602.3
tper1 39 fpl 0
pex1v1 55 fpl F1OT 0
pex 9.100 wc 280.0
HMC 0
jkh 146.0 wc2 200.0
ADJANTATIC vs 0
pex180d Qnastro-F1 3385
pex1v1180 Ad100 at cdc wv 2
pex180 400.0

```

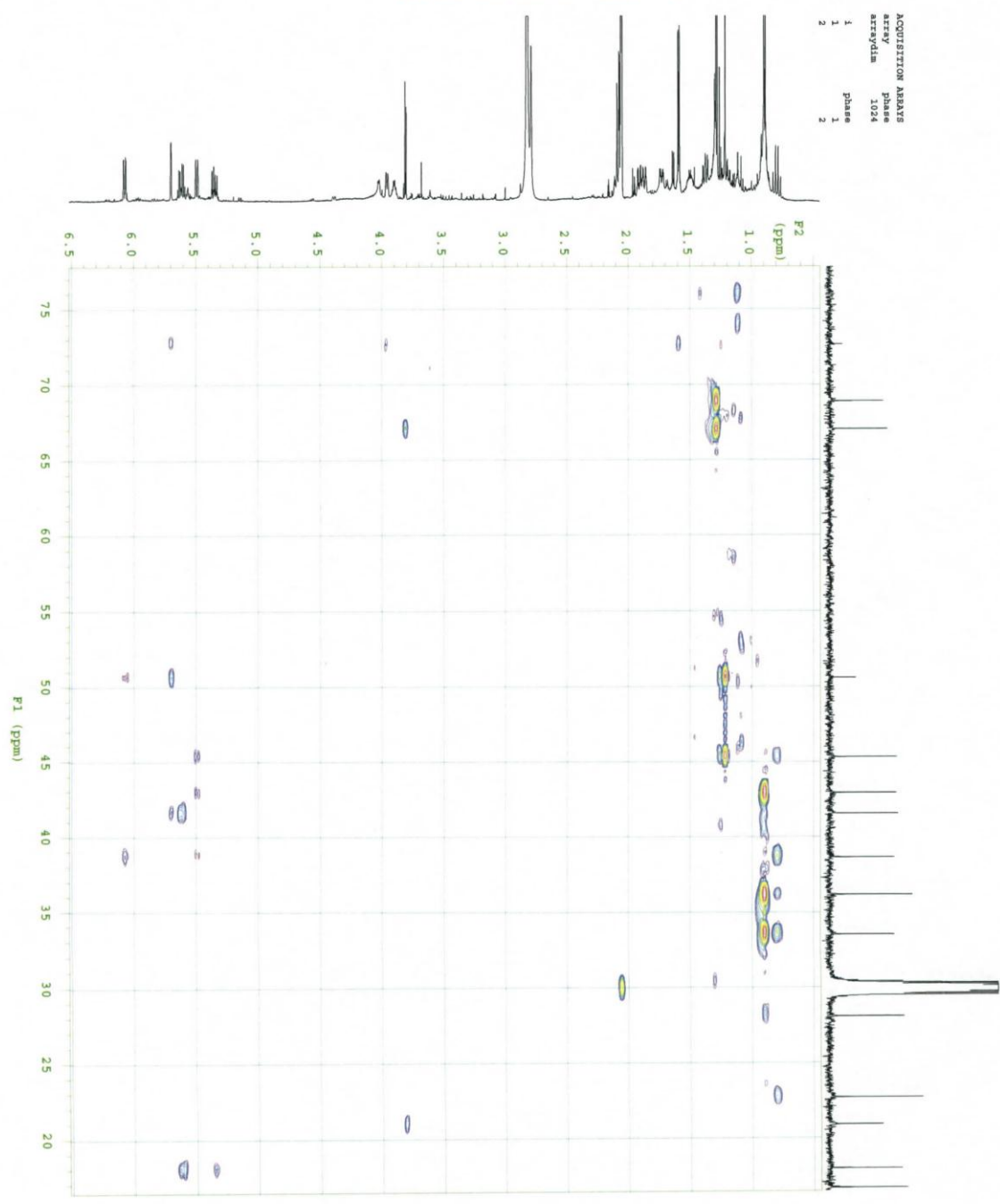


Figure S30 FABMS of 5

2

[Elemental Composition]

Data : 1601029 Date : 12-Jan-2016 16:38 Page: 1

Sample: 117D-1 C134-11-VIII

Note : Matrix; NBA

Inlet : Direct Ion Mode : FAB+

RT : 7.29 min Scan#: (38,43)

Elements : C 30/20, H 35/25, N 3/0, O 6/0

Mass Tolerance : 20ppm, 1mmu if m/z > 50

Unsaturation (U.S.) : -1.0 - 30.0

Observed m/z	Int%	Err[ppm / mmu]	U.S. Composition
398.2332	100.0	+0.1 / +0.0	9.5 C 24 H 32 N O 4

