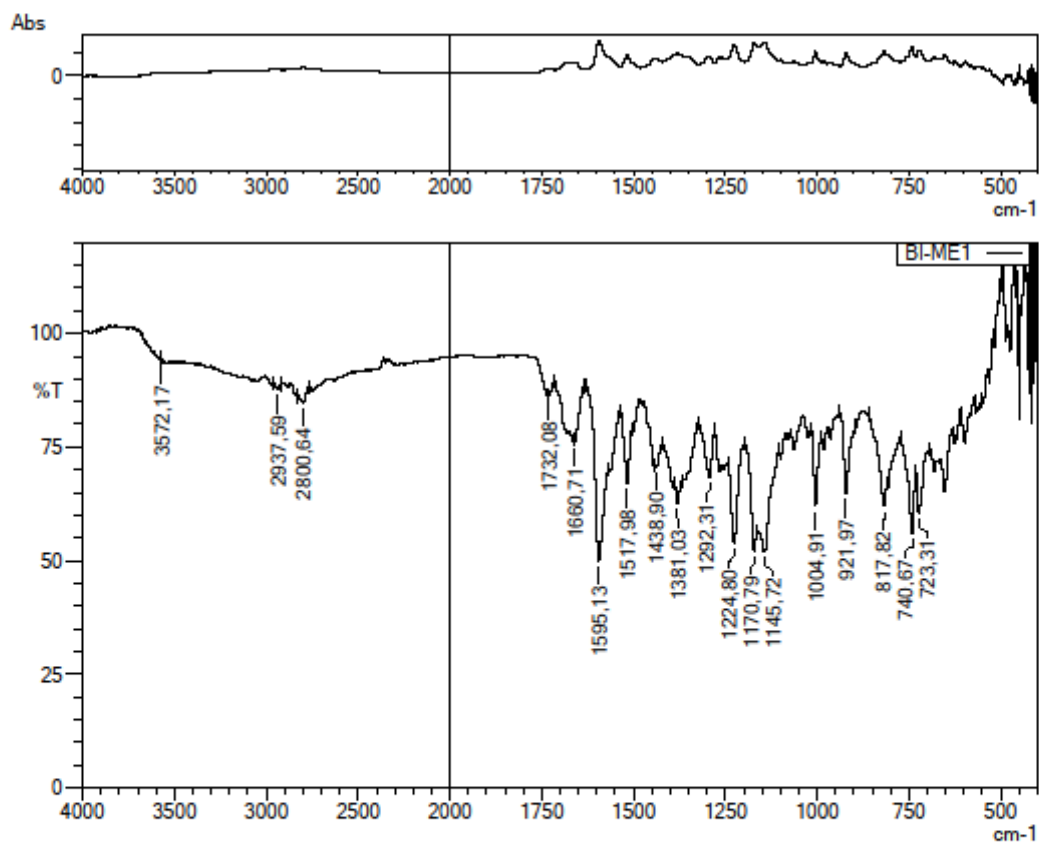
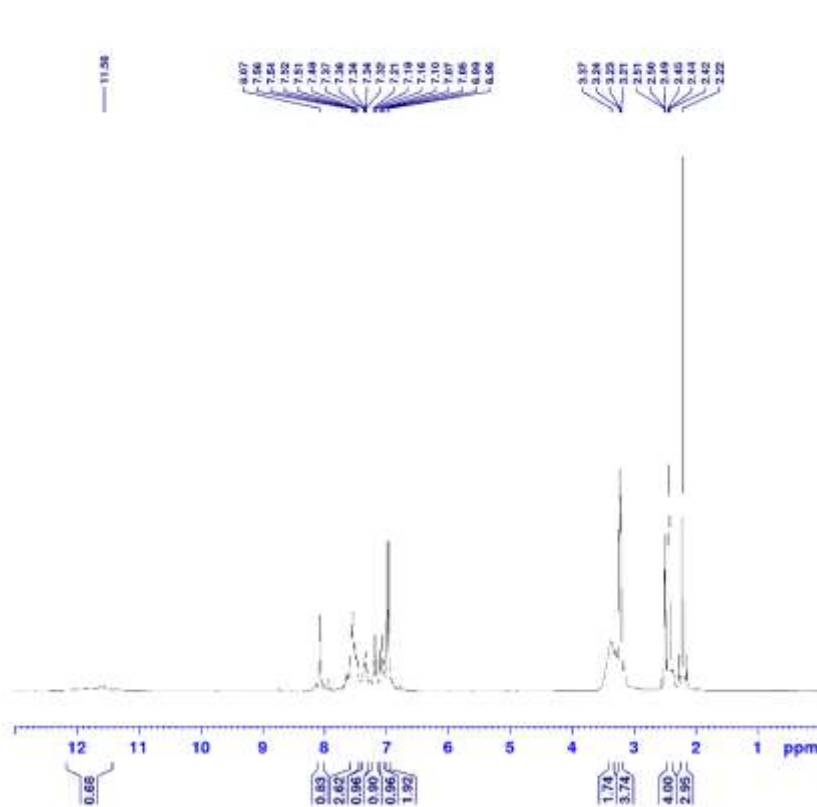


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Spectrum name	BI-ME1
Sample name	BI-ME
Sample ID	
Option	
Comment	
No. of Scans	10
Resolution	4 [cm-1]
Apodization	Happ-Genzel



Spectra 1. IR spectra of compound **4a**



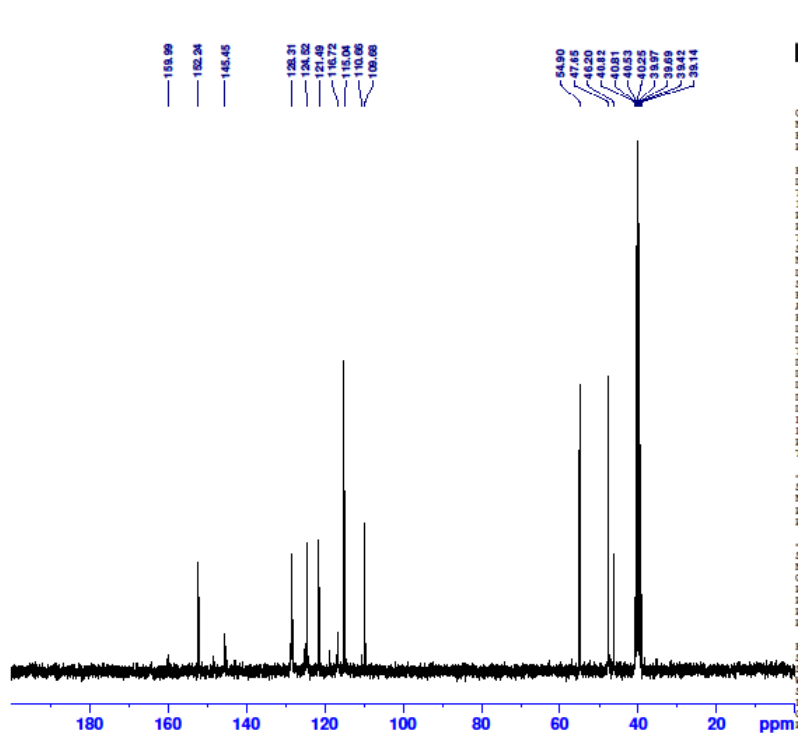
Current Data Parameters
 NAME GT-9
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20180511
 Time 16.51
 INSTRUM FOURIER300
 PROBRD 5 mm DUL 13C-1
 PULPROG zgpg
 ID 32768
 SOLVENT DMSO
 NS 18
 DS 4
 SWH 8103.074 Hz
 FIDRES 0.172528 Hz
 AQ 1.242173 sec
 RG 14.3187
 CW 81.000 usec
 CC 0.10 usec
 IE 81.0 K
 D1 3.0000000 sec
 D2 0
 D3 0

----- CHANNEL f1 -----
 SFO1 300.136267 MHz
 PFO1 18
 F1 13.00 usec
 PLW1 13.0000000 W

F2 - Processing parameters
 SI 32768
 SF 300.136267 MHz
 KW 18
 SSB 0
 LB 0.30 Hz
 GB 0
 DC 1.00

Spectra 2. ¹H-NMR spectra of compound 4a



Current Data Parameters
 NAME GT-9
 EXPNO 2
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20180623
 Time 16.52
 INSTRUM FOURIER300
 PROBRD 5 mm DUL 13C-1
 PULPROG zgpg
 ID 32768
 SOLVENT DMSO
 NS 2048
 DS 4
 SWH 24414.063 Hz
 FIDRES 0.745058 Hz
 AQ 0.6710886 sec
 RG 501.187
 CW 20.480 usec
 DE 6.50 usec
 TE 617.7 K
 D1 1.00000000 sec
 D11 0.03000000 sec
 D31 0.00001500 sec
 D32 0.89999998 sec
 D40 0.00093990 sec
 L4 23
 L5 26
 F32 90.00 usec
 TD0 1

----- CHANNEL f1 -----
 SFO1 75.4878657 MHz
 NUC1 13C
 P1 15.00 usec
 PLW1 15.0000000 W

----- CHANNEL f2 -----
 SFO2 300.136267 MHz
 NUC2 18
 CPDPRG[2] waltz16
 PCPD2 90.00 usec
 PIM2 10.0000000 W
 PIM12 0.20863999 W
 PIM13 0.10495000 W

F2 - Processing parameters
 SI 32768
 SF 75.4803210 MHz
 KW 18
 SSB 0
 LB 1.00 Hz
 GB 0
 DC 1.40

Spectra 3. ¹³C-NMR spectra of compound 4a

29.06.2018 16:22:40 Page 1 / 1

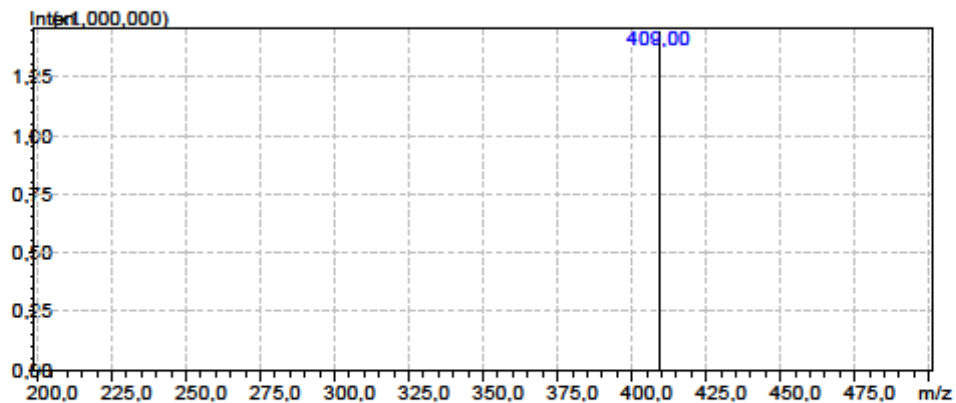
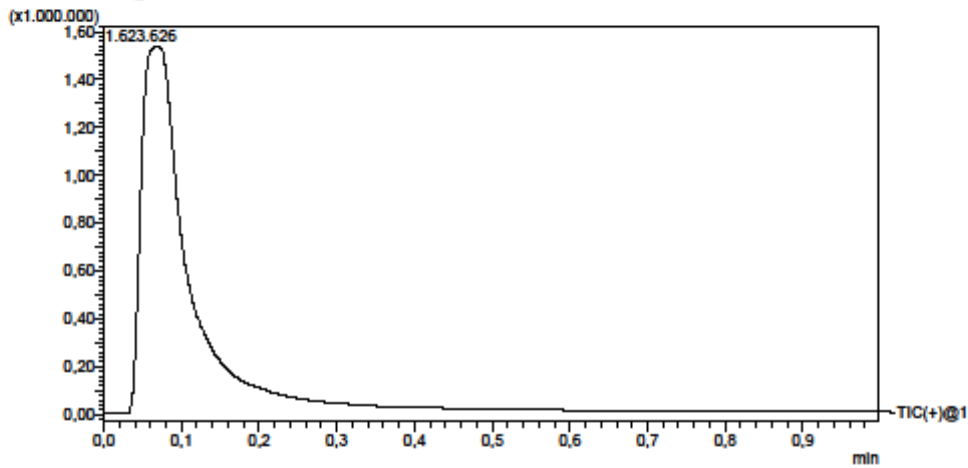


Analysis Report

<Sample Information>

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Sample ID	:		
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Method Filename	: genel.lcm		
Batch Filename	: batch.lcb		
Vial #	: 1-4		
Injection Volume	: 0,1 uL		
Date Acquired	: 29.06.2018 16:18:41	Acquired by	: System Administrator
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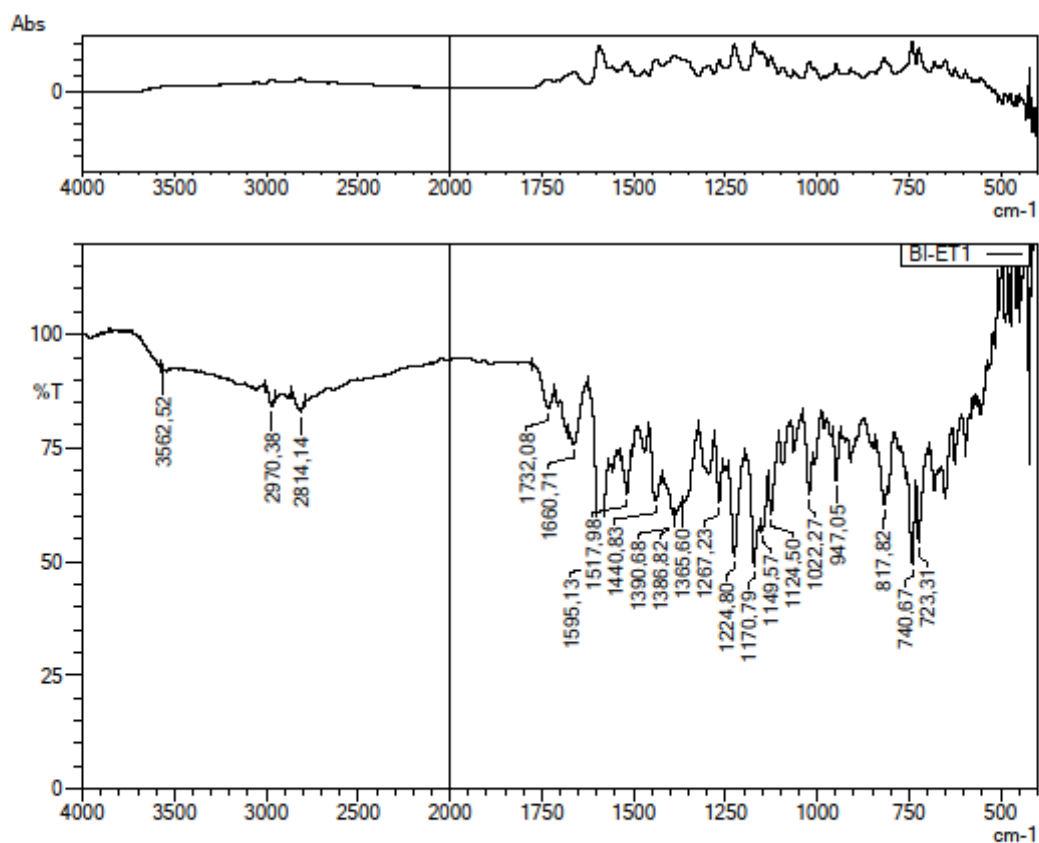


C:\LabSolutions\Data\serkan\Yeni klasör\BI-Me_004.lcd

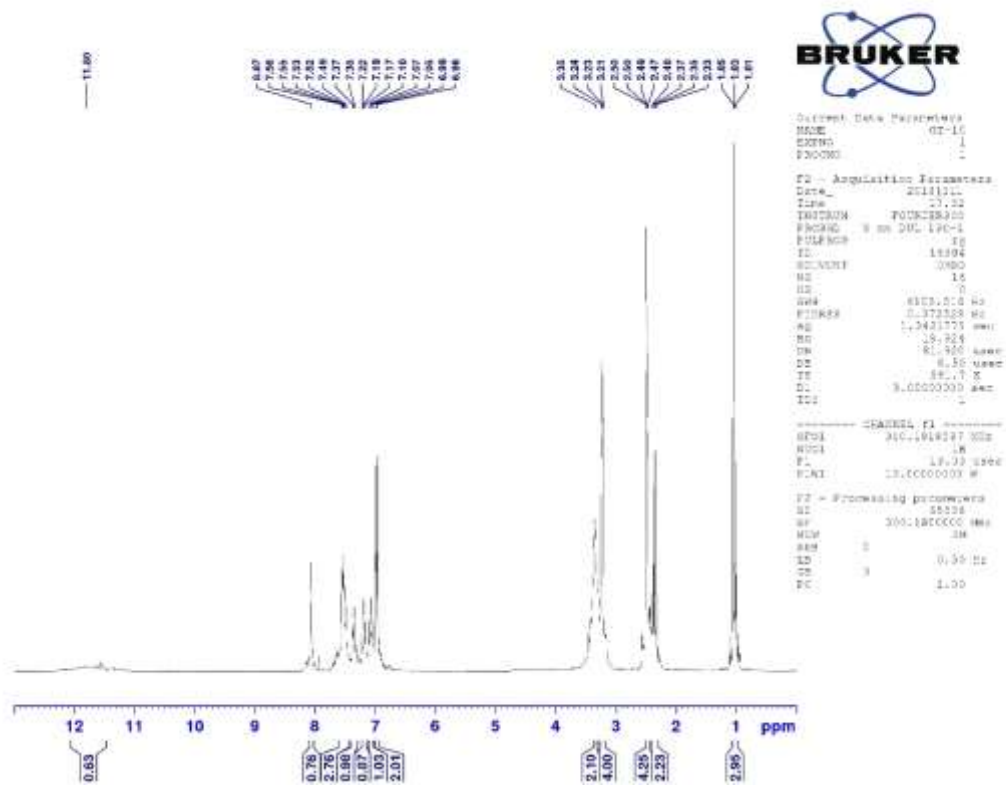
Spectra 4. LCMSMS spectra of compound 4a

DOPNALAB

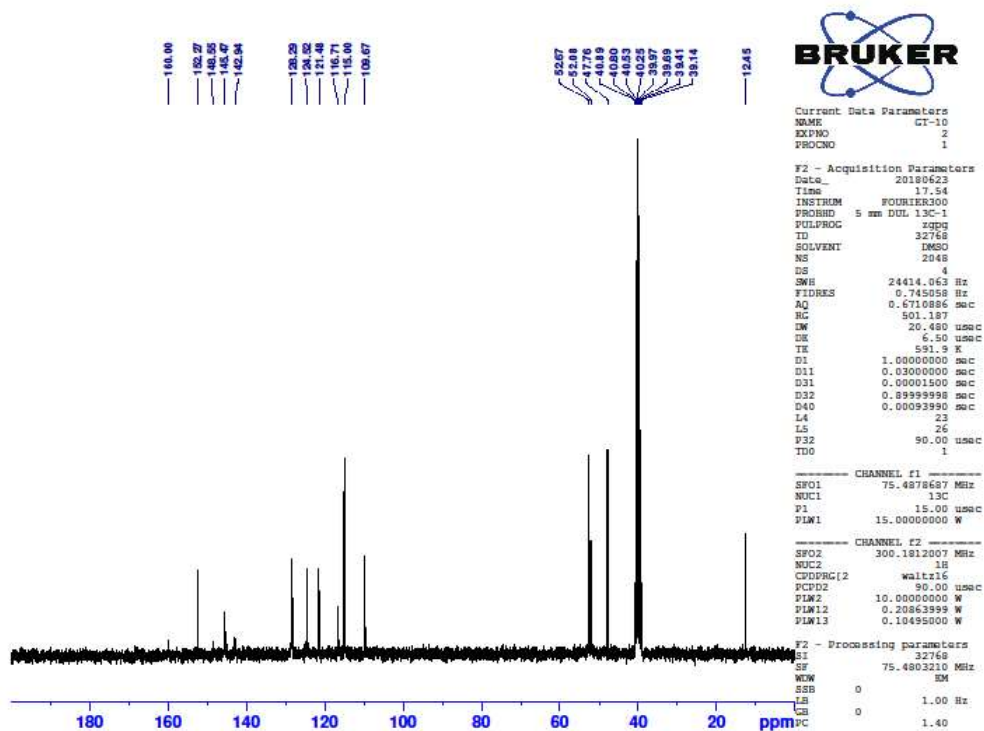
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Spectrum name	BI-ET1
Sample name	BI-ET
Sample ID	
Option	
Comment	
No. of Scans	10
Resolution	4 [cm-1]
Apodization	Happ-Genzel



Spectra 5. IR spectra of compound **4b**



Spectra 6. ¹H-NMR spectra of compound 4b



Spectra 7. ¹³C-NMR spectra of compound 4b

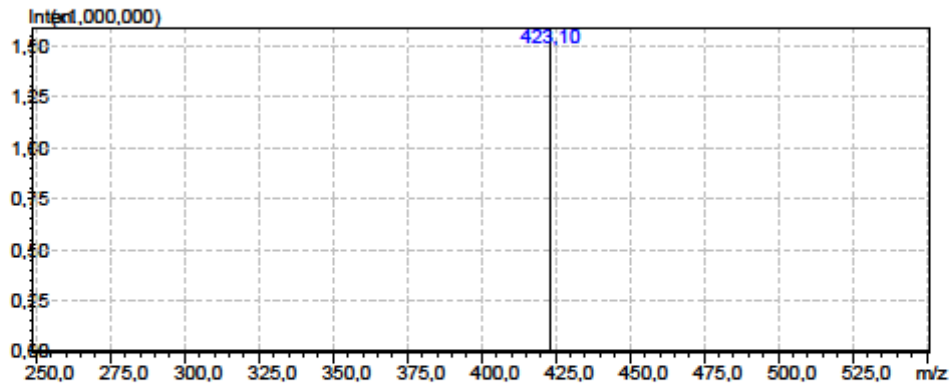
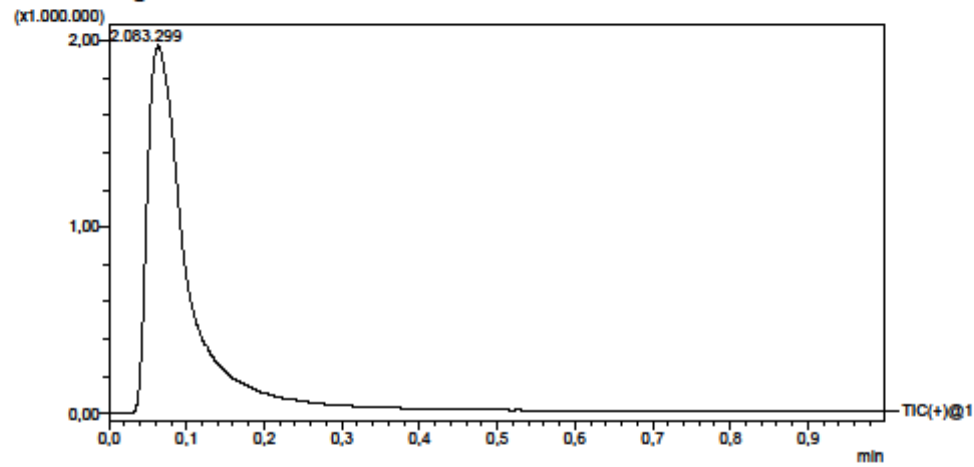


Analysis Report

<Sample Information>

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Sample ID	:		
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Method Filename	: genel.lcm		
Batch Filename	: batch.lcb		
Vial #	: 1-5		
Injection Volume	: 0,1 uL		
Date Acquired	: 29.06.2018 16:26:55	Acquired by	: System Administrator
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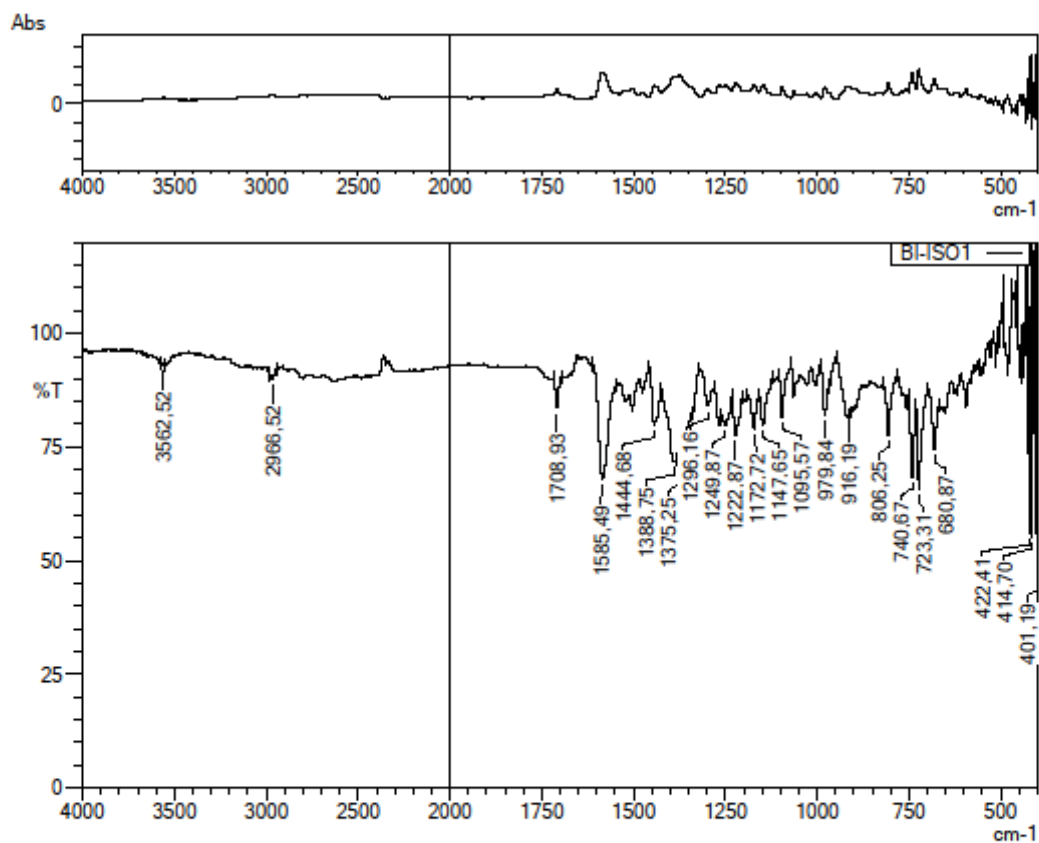


C:\LabSolutions\Data\serkan\Yeni klasör\BI-et_001.lcd

Spectra 8. LCMSMS spectra of compound **4b**

DOPNALAB

Item	Value
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Acquired by	System Administrator
Filename	C:\Users\dopnalab\Desktop\denya\GAMZE TOKGÖZ\BI-ISO1.ispd
Spectrum name	BI-ISO1
Sample name	BI-ISO
Sample ID	
Option	
Comment	
No. of Scans	10
Resolution	4 [cm-1]
Apodization	Happ-Genzel



Spectra 9. IR spectra of compound **4c**

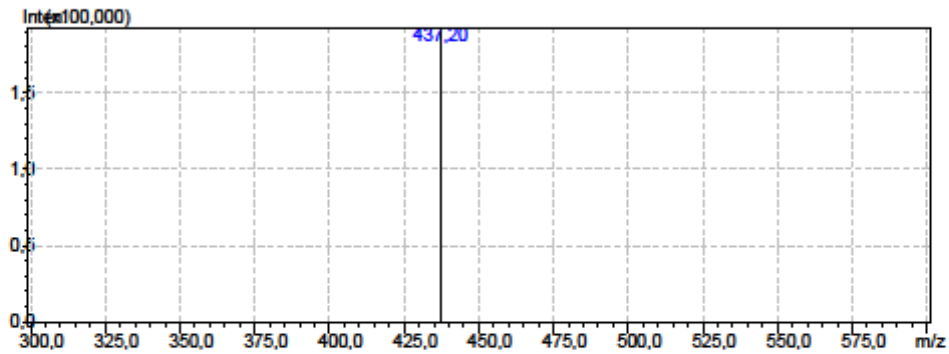
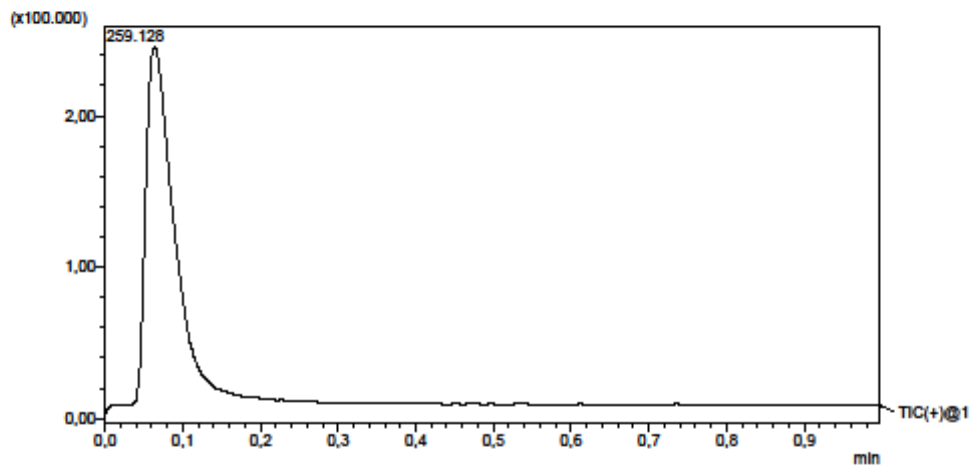


Analysis Report

<Sample Information>

Sample Name	: BI-iso	Sample Type	: Unknown
Sample ID	:		
Data Filename	: BI-iso_001.lcd		
Method Filename	: genel.lcm		
Batch Filename	: batch.lcb		
Vial #	: 1-6		
Injection Volume	: 0,1 uL		
Date Acquired	: 29.06.2018 16:31:40	Acquired by	: System Administrator
Date Processed	: 29.06.2018 16:32:43	Processed by	: System Administrator

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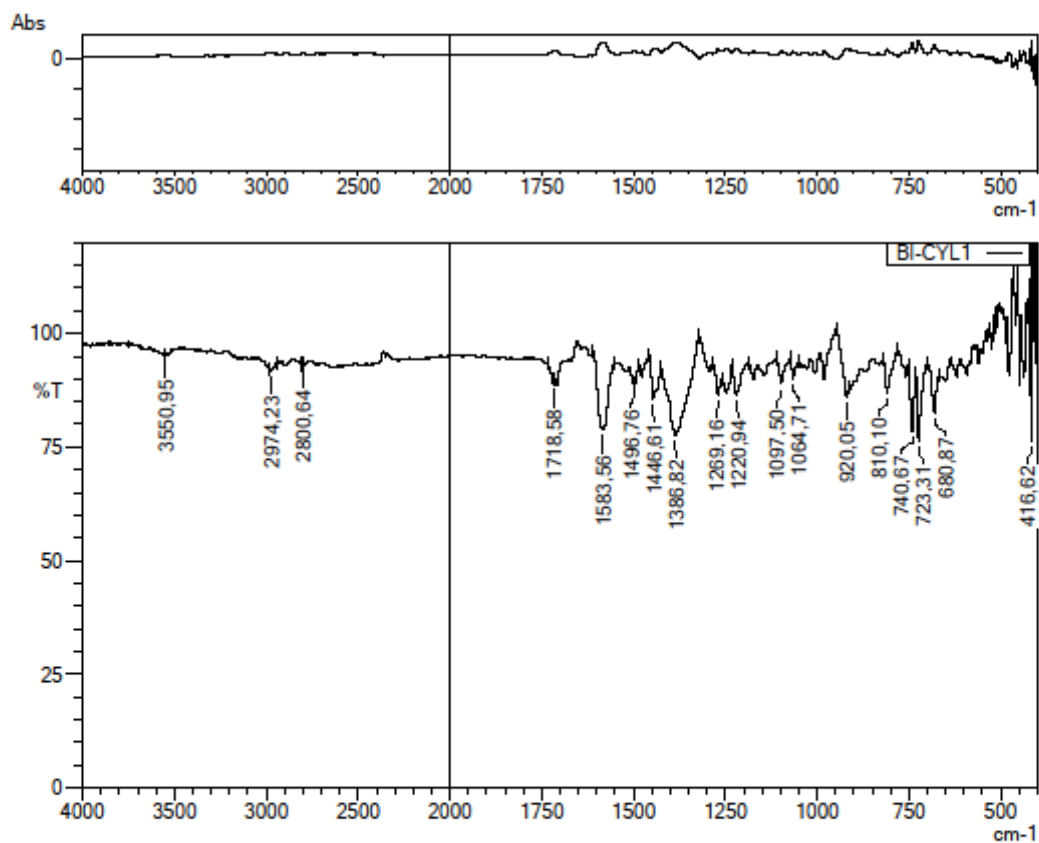


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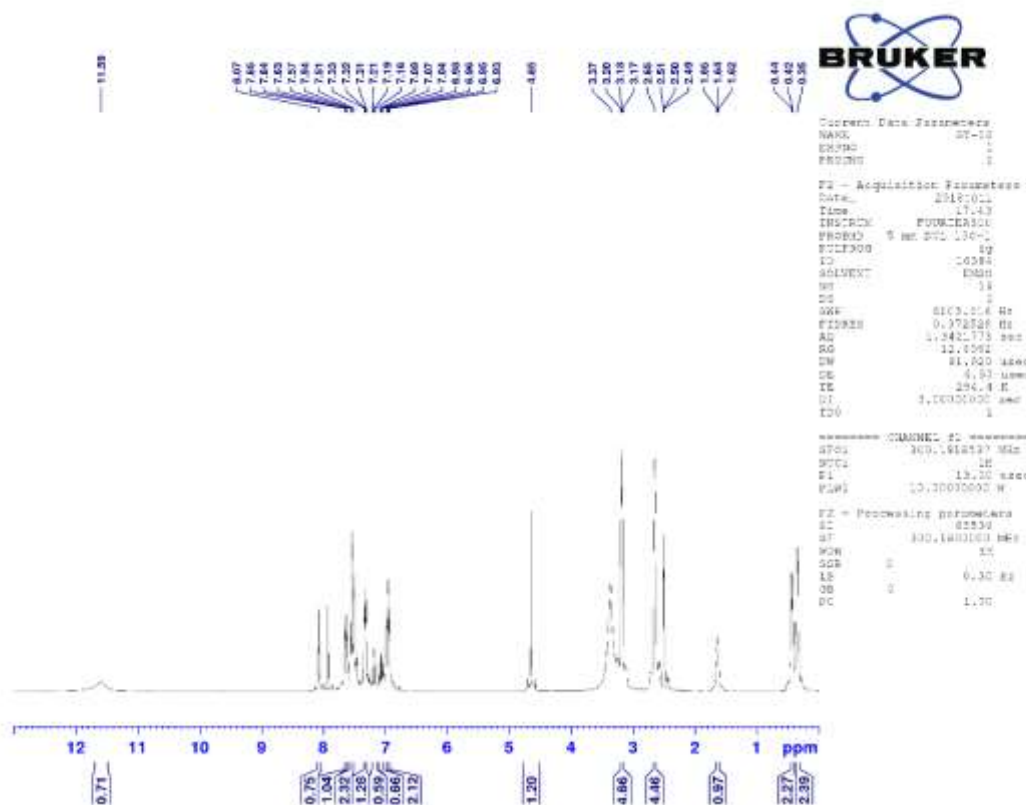
Spectra 12. LCMSMS spectra of compound **4c**

DOPNALAB

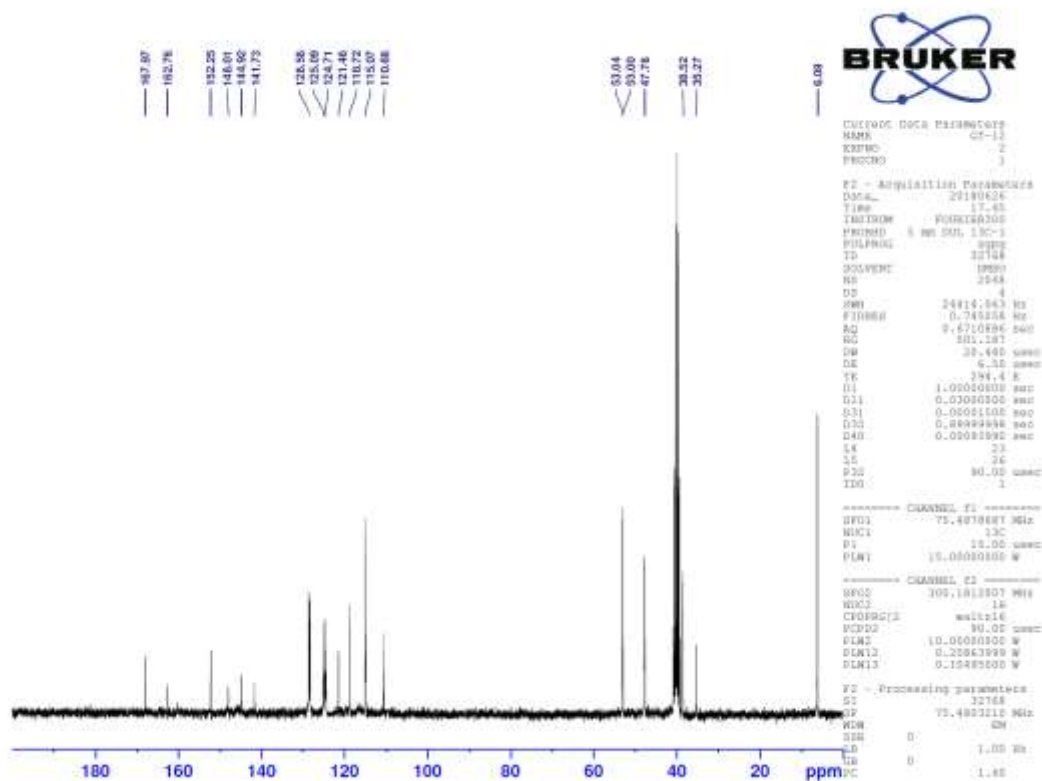
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Filename	C:\Users\dopnalab\Desktop\denyal\GAMZE TOKGÖZ\BI-CYL1.lspd
Spectrum name	BI-CYL1
Sample name	BI-CYL
Sample ID	
Option	
Comment	
No. of Scans	10
Resolution	4 [cm-1]
Apodization	Happ-Genzel



Spectra 13. IR spectra of compound **4d**



Spectra 14. ¹H-NMR spectra of compound 4d



Spectra 15. ¹³C-NMR spectra of compound 4d

29.06.2018 16:58:53 Page 1 / 1

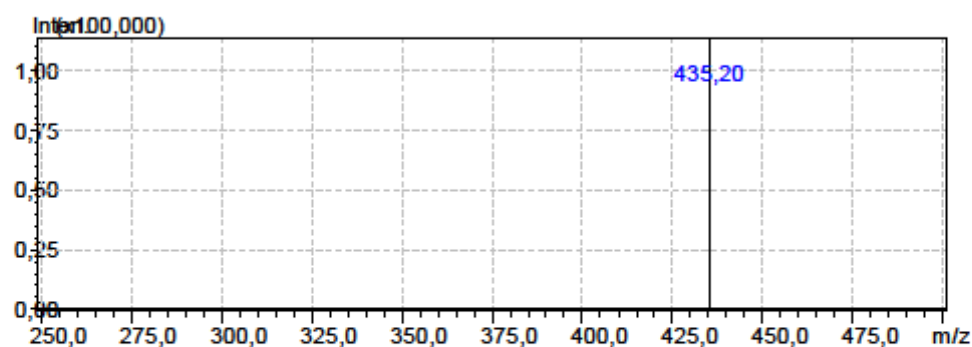
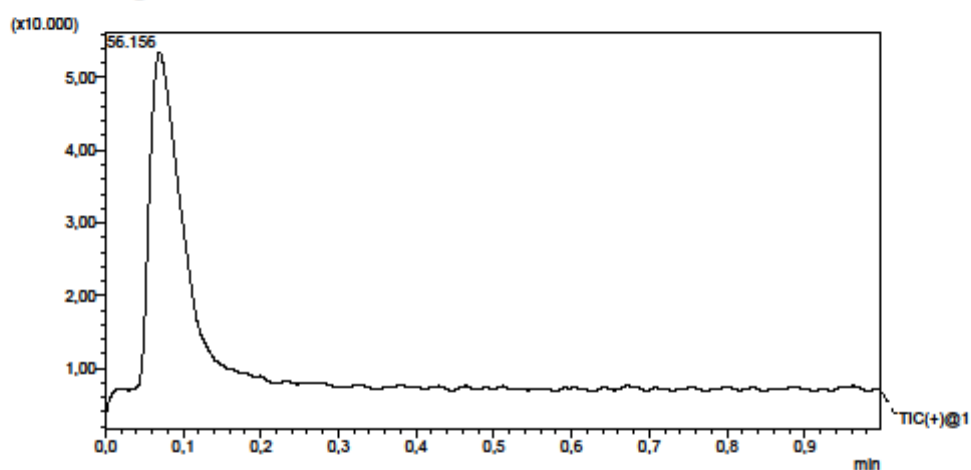


Analysis Report

<Sample Information>

Sample Name	: BI-siklo	Sample Type	: Unknown
Sample ID	:		
Data Filename	: BI-siklo_001.lcd		
Method Filename	: genel.lcm		
Batch Filename	: batch.lcb		
Vial #	: 1-7		
Injection Volume	: 0,1 uL	Acquired by	: System Administrator
Date Acquired	: 29.06.2018 16:34:52	Processed by	: System Administrator
Date Processed	: 29.06.2018 16:43:33		

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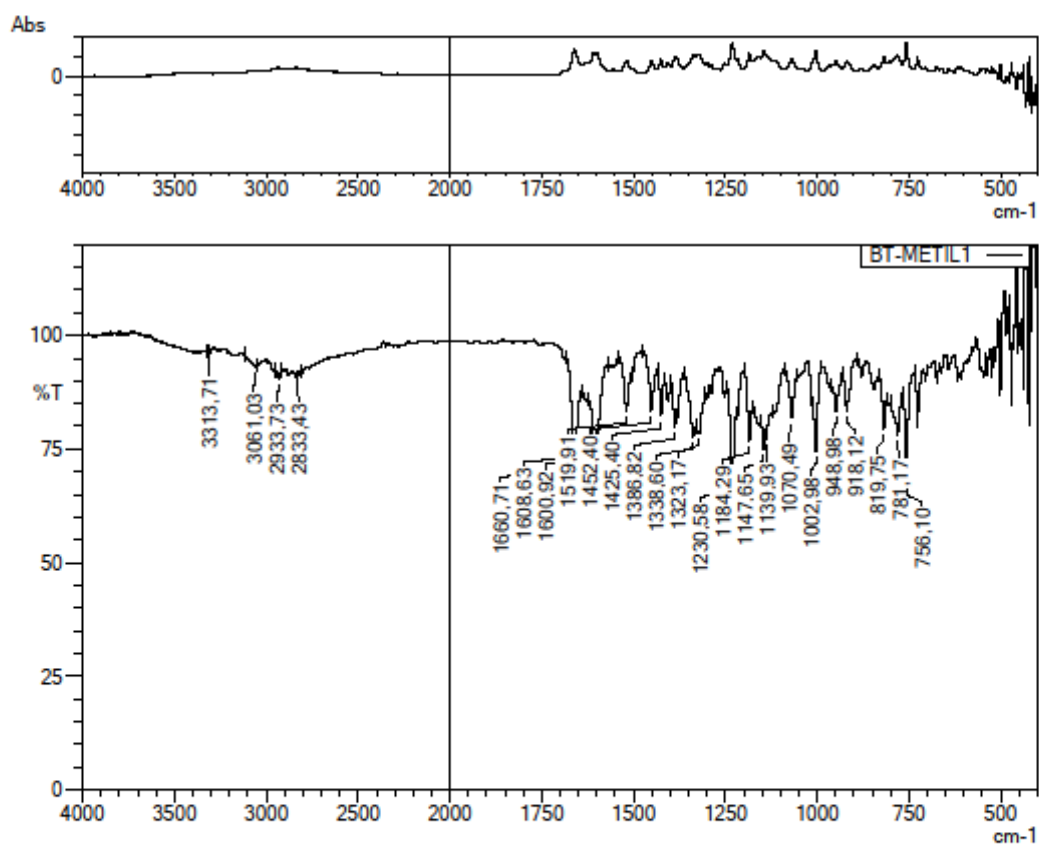


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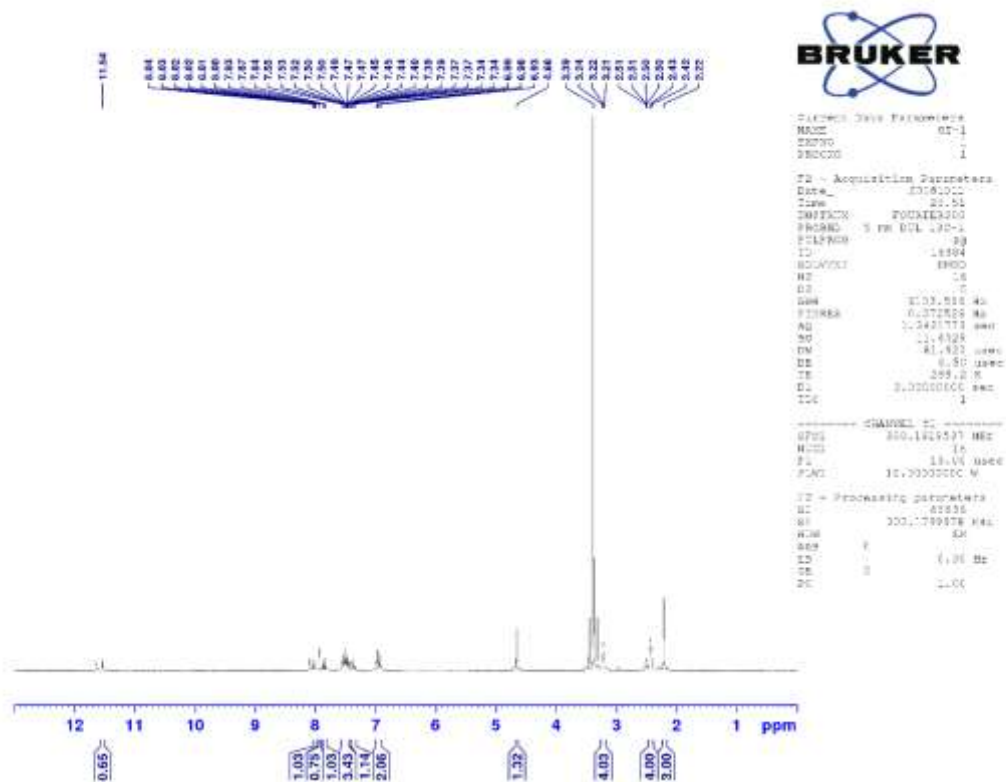
Spectra 16. LCMSMS spectra of compound 4d

DOPNALAB

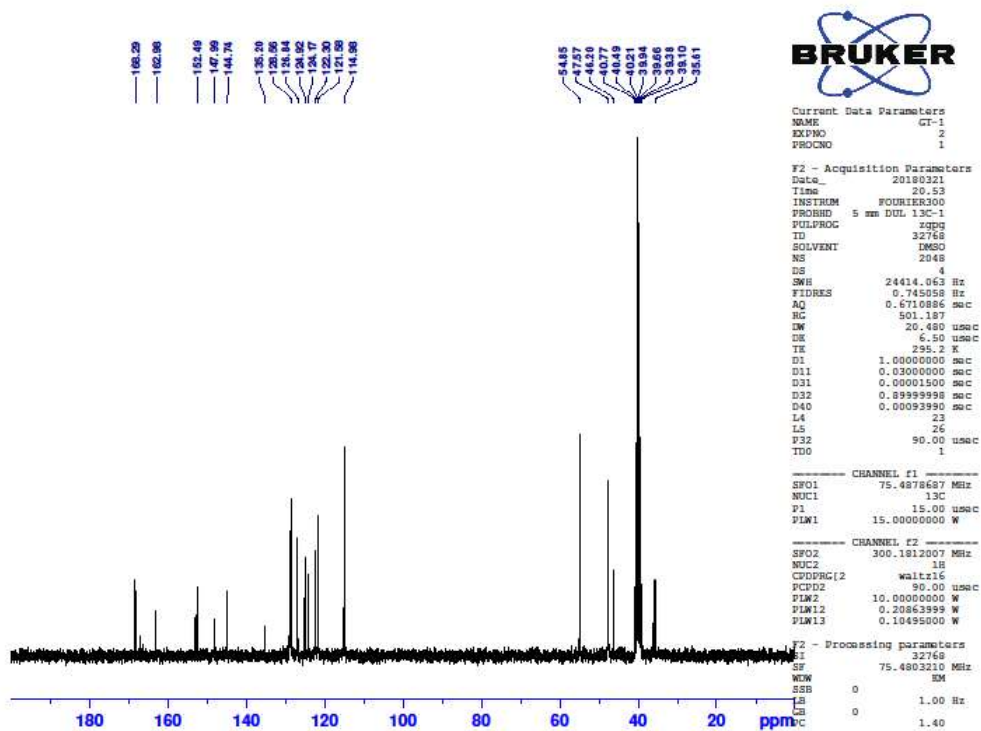
Item	Value
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Acquired by	System Administrator
Filename	C:\Users\dopnalab\Desktop\denyal\GAMZE TOKGÖZ\BT-METIL1.lspd
Spectrum name	BT-METIL1
Sample name	BT-METIL
Sample ID	
Option	
Comment	
No. of Scans	10
Resolution	4 [cm-1]
Apodization	Happ-Genzel



Spectra 17. IR spectra of compound 4e



Spectra 18. ¹H-NMR spectra of compound 4e

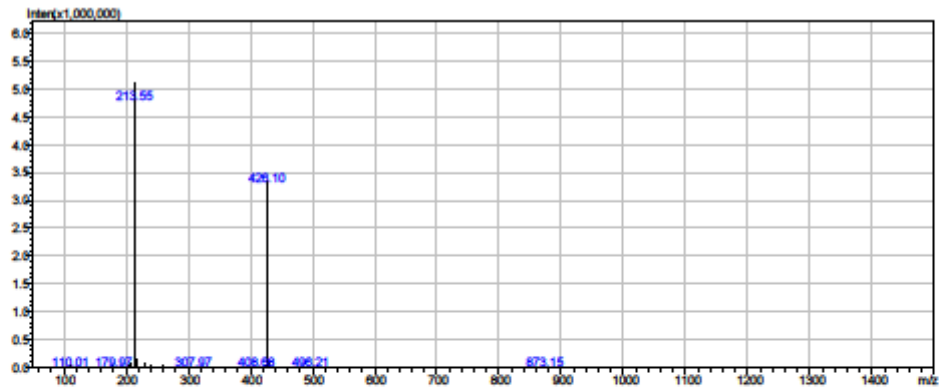
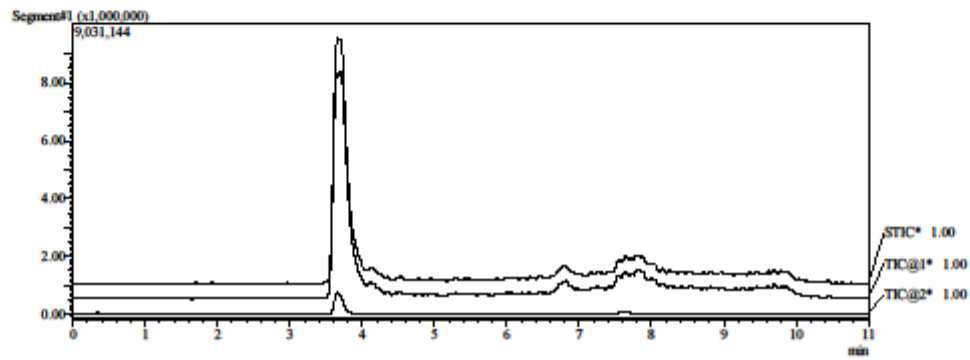


Spectra 19. ¹³C-NMR spectra of compound 4e

==== Shimadzu LCMSsolution Analysis Report ====

Acquired by : Admin
Sample Name : BT-Me
Sample ID :
Vial # : 12
Injection Volume : 0.3 uL
Data File Name : BT-Me_26.lcd
Method File Name : genel.lcm
Batch File Name : batch.lcb
Report File Name : DefaultLCMS.lcr
Data Acquired : 19.04.2018 14:13:30
Data Processed : 19.04.2018 14:24:32

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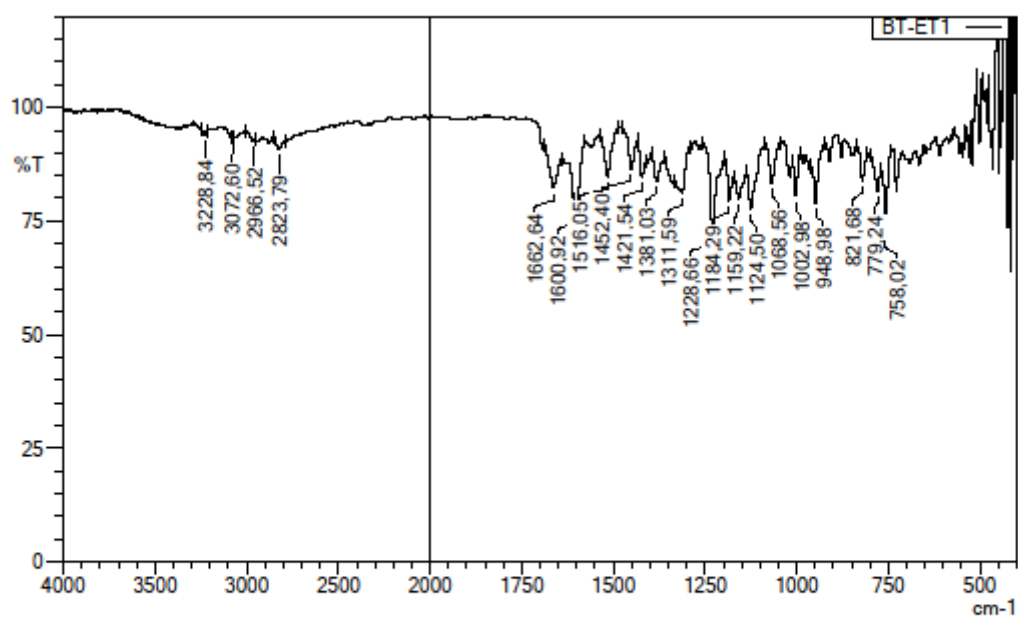
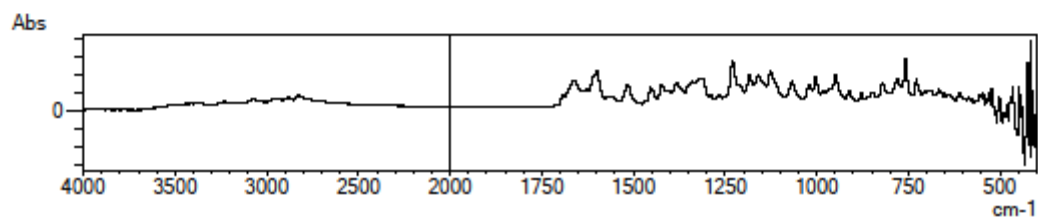


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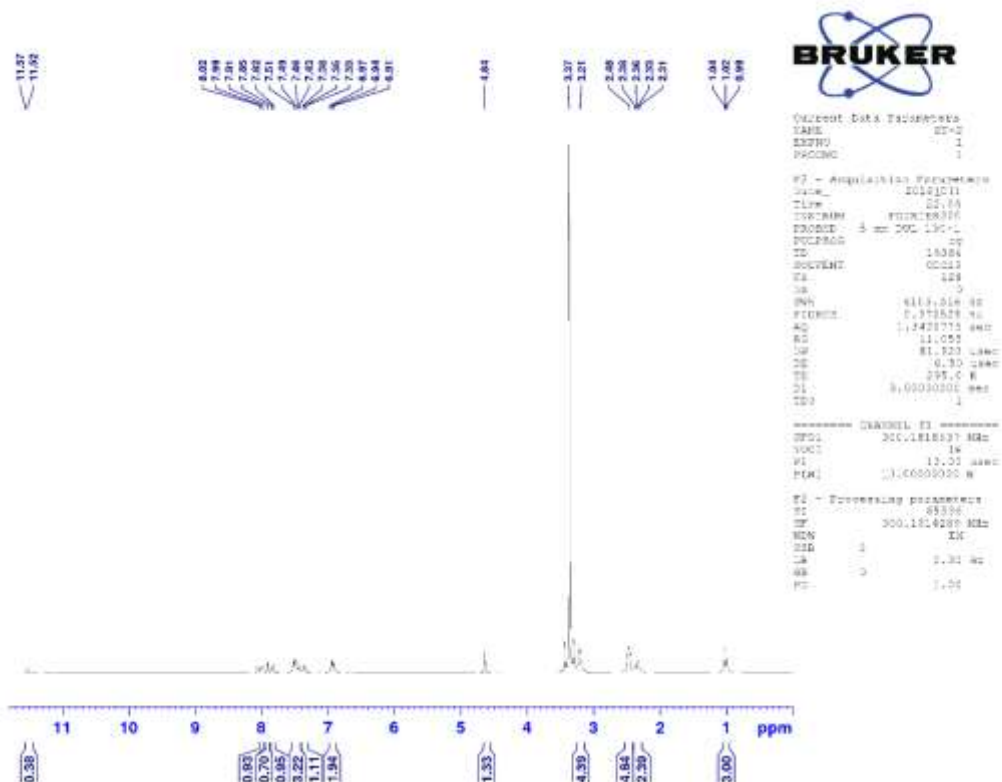
Spectra 20. LCMSMS spectra of compound 4e

DOPNALAB

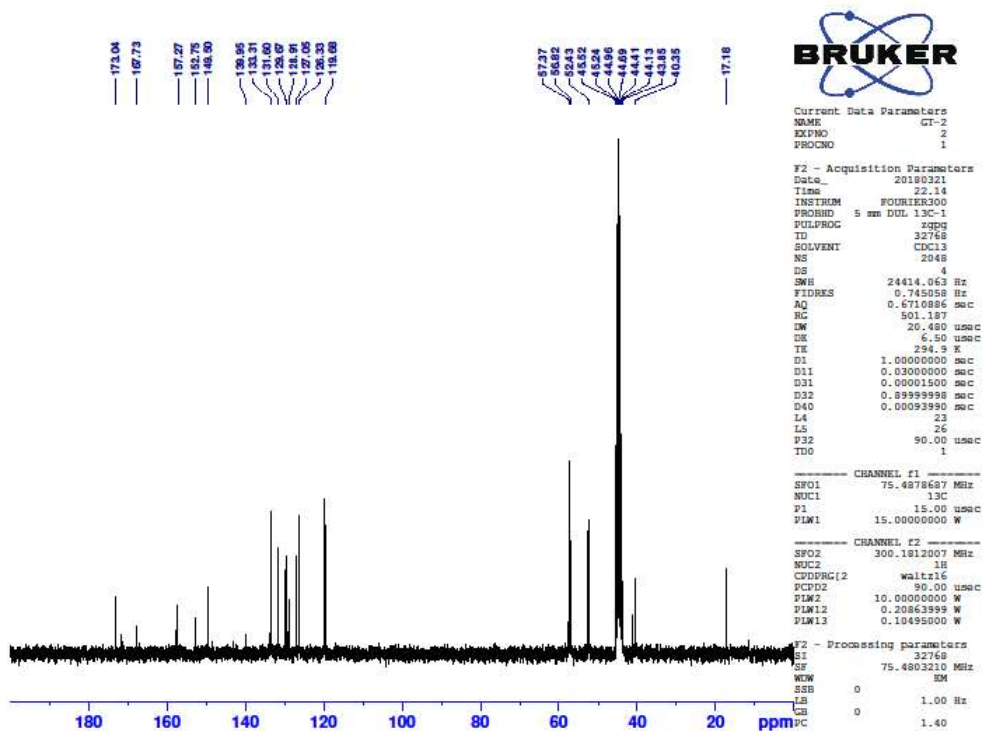
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Acquired by	System Administrator
Filename	C:\Users\dopnalab\Desktop\denyal\GAMZE TOKGÖZ\BT-ET1.jspd
Spectrum name	BT-ET1
Sample name	BT-ET
Sample ID	
Option	
Comment	
No. of Scans	10
Resolution	4 [cm-1]
Apodization	Happ-Genzel



Spectra 21. IR spectra of compound **4f**



Spectra 22. ¹H-NMR spectra of compound 4f

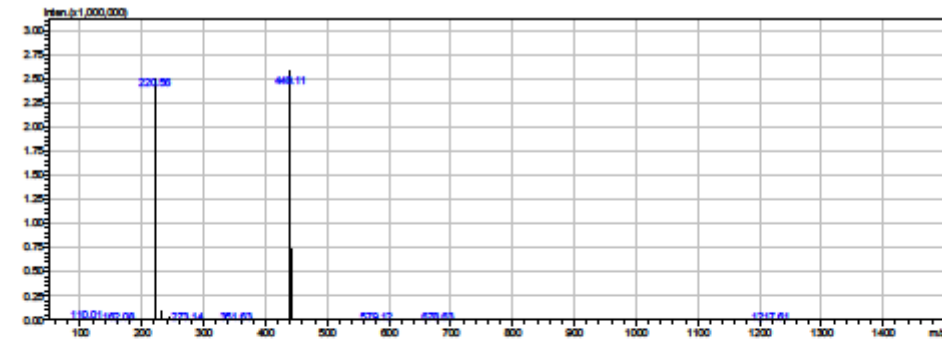
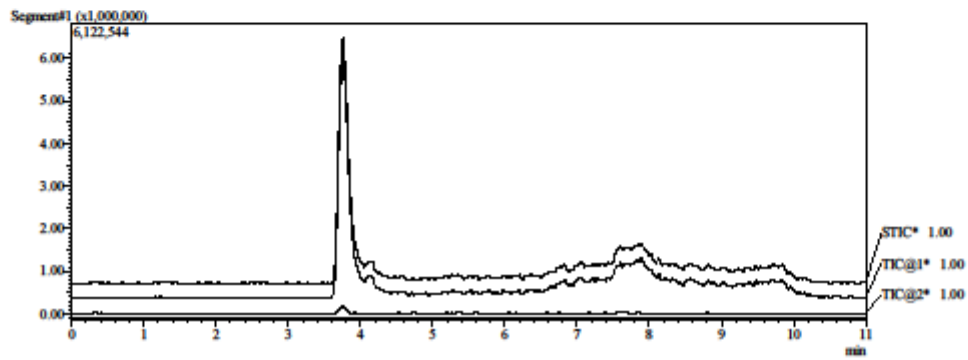


Spectra 23. ¹³C-NMR spectra of compound 4f

==== Shimadzu LCMSsolution Analysis Report ====

Acquired by : Admin
 Sample Name : BT-Et
 Sample ID :
 Vial # : 10
 Injection Volume : 0.3 uL
 Data File Name : BT-Et_24.lcd
 Method File Name : genel.lcm
 Batch File Name : batch.lcb
 Report File Name : DefaultLCMS.lcr
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 Data Processed : 19.04.2018 14:01:25

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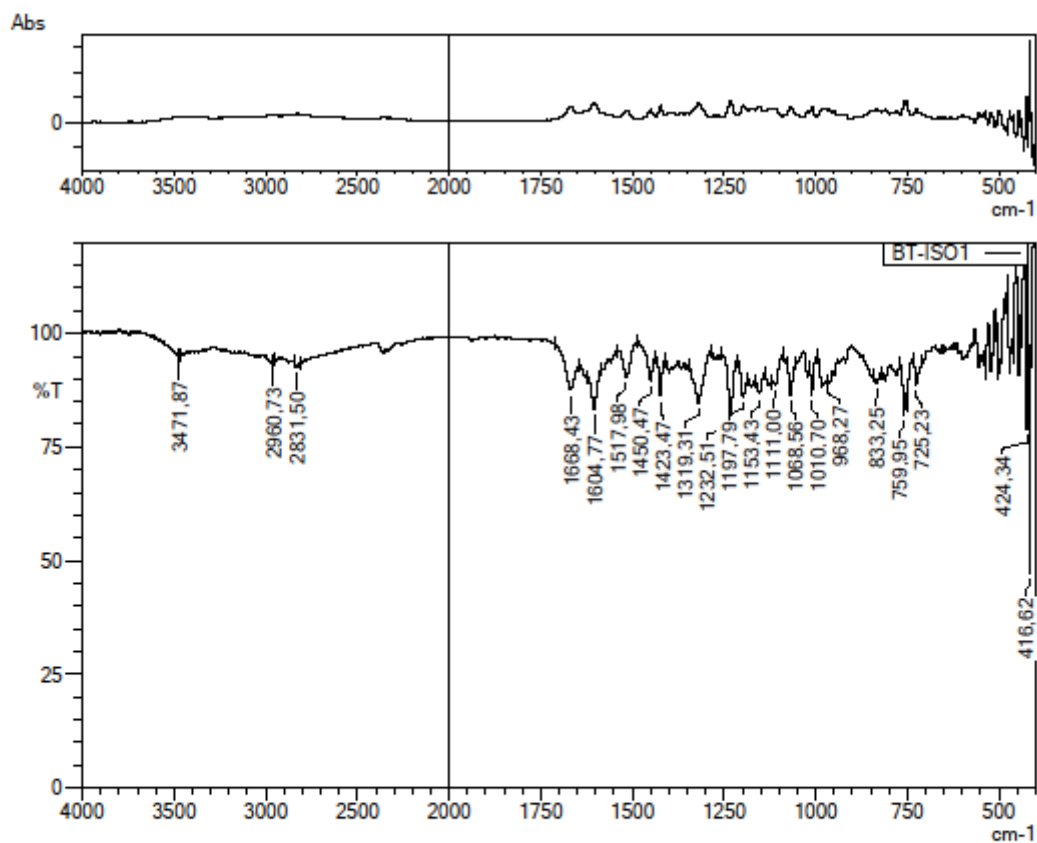


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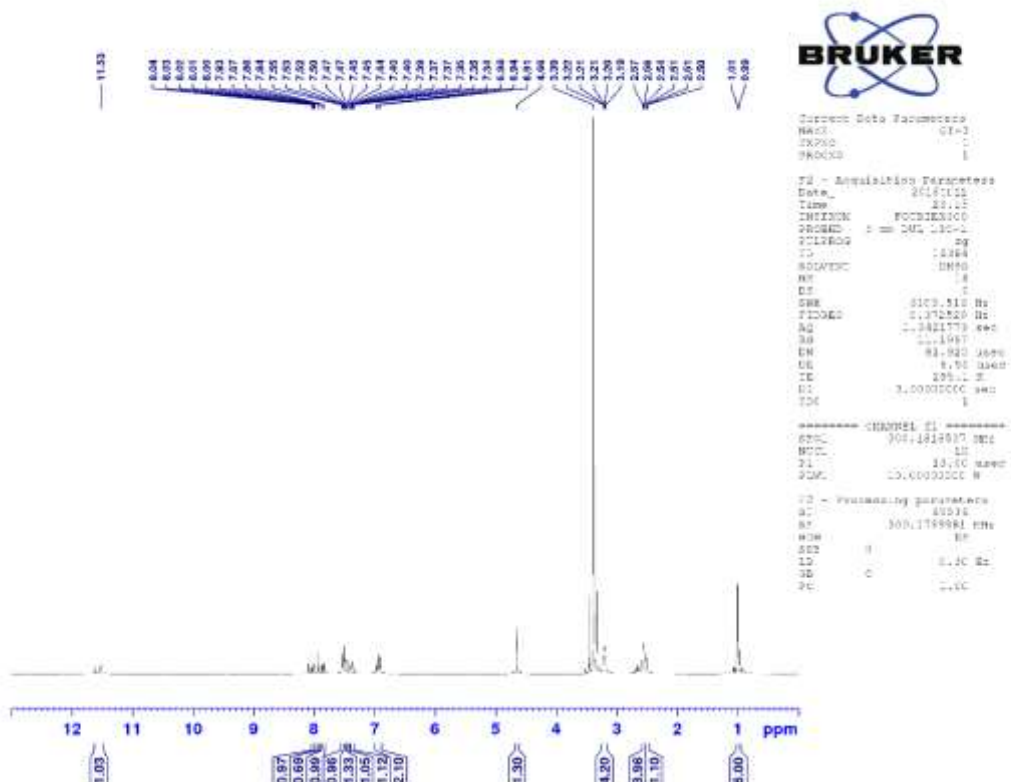
Spectra 24. LCMSMS spectra of compound 4f

DOPNALAB

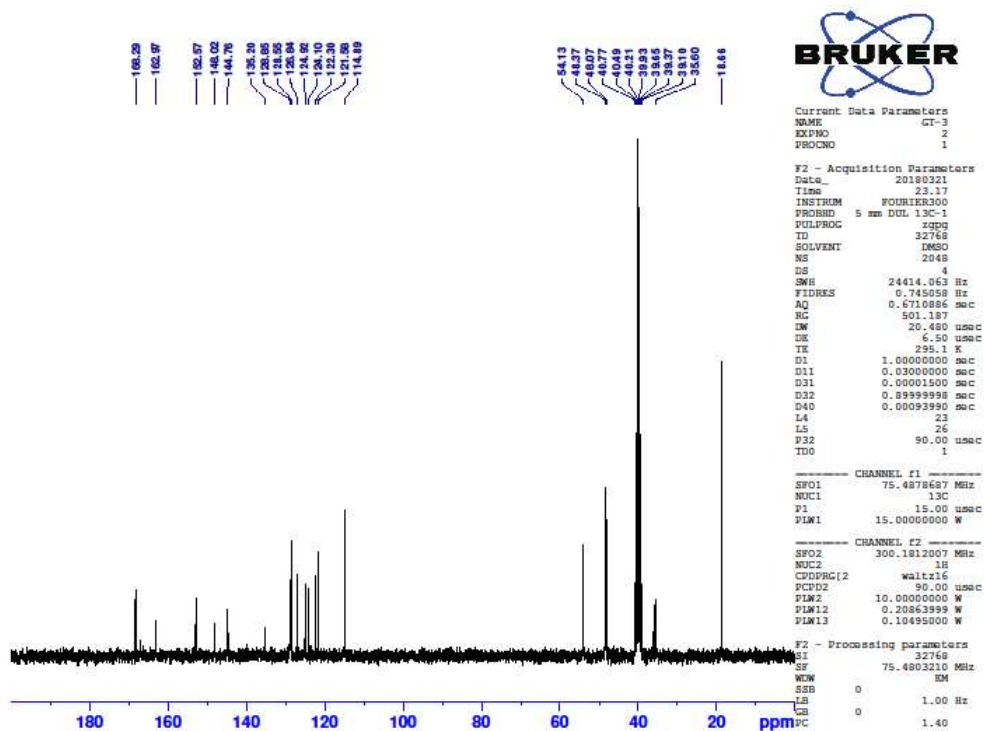
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Acquired by	System Administrator
Filename	C:\Users\dopnalab\Desktop\denya\GAMZE TOKGÖZ\BT-ISO1.lspd
Spectrum name	BT-ISO1
Sample name	BT-ISO
Sample ID	
Option	
Comment	
No. of Scans	10
Resolution	4 [cm-1]
Apodization	Happ-Genzel



Spectra 25. IR spectra of compound **4g**



Spectra 26. ¹H-NMR spectra of compound 4g

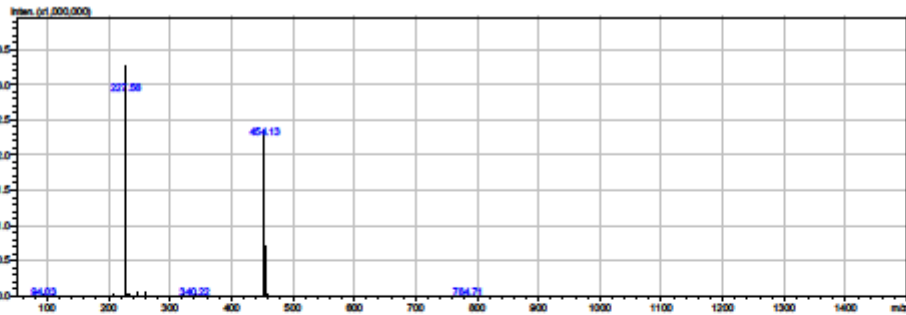
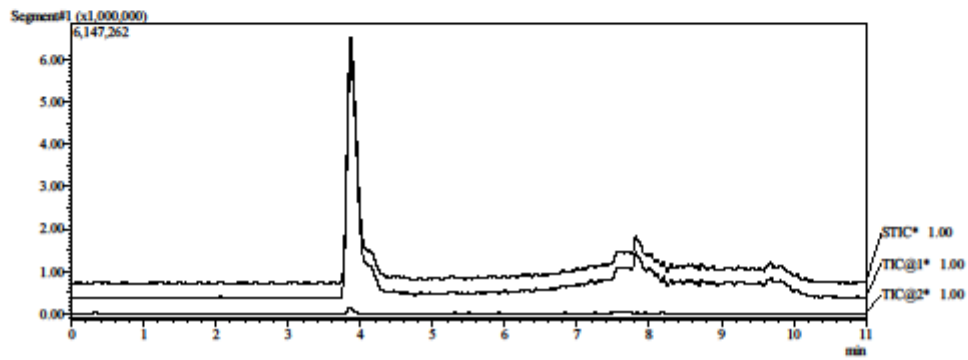


Spectra 27. ¹³C-NMR spectra of compound 4g

==== Shimadzu LCMSsolution Analysis Report ====

Acquired by : Admin
Sample Name : BT-Iso
Sample ID :
Vial # : 11
Injection Volume : 0.3 uL
Data File Name : BT-Iso_25.lcd
Method File Name : genel.lcm
Batch File Name : batch.lcb
Report File Name : DefaultLCMS.lcr
Data Acquired : 19.04.2018 14:01:58
Data Processed : 19.04.2018 14:12:58

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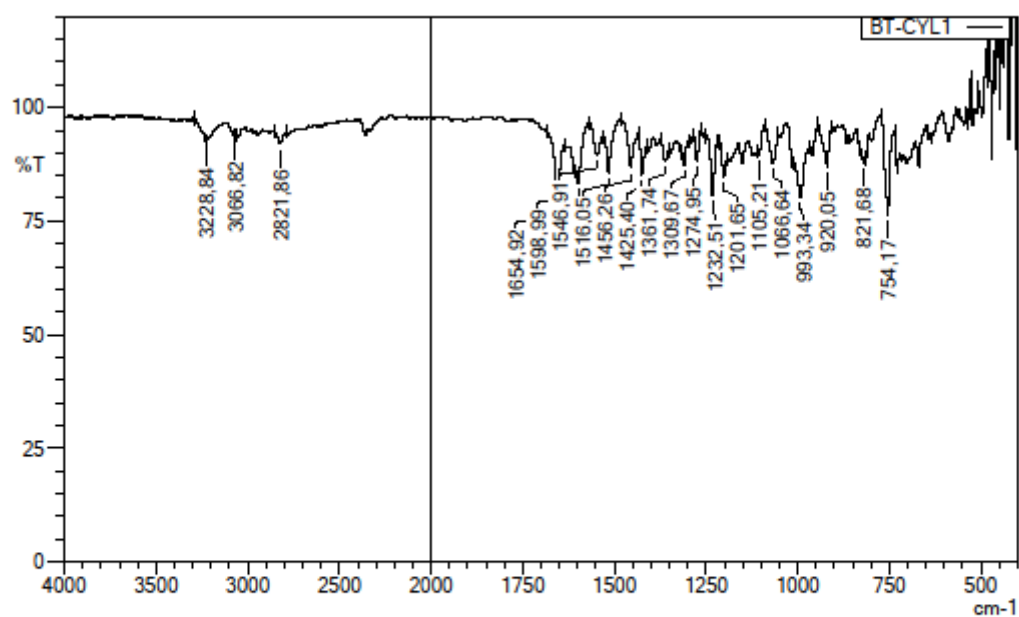
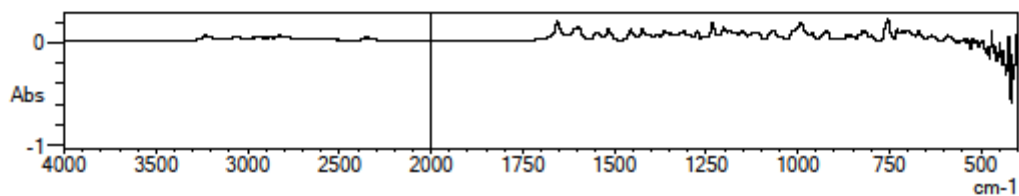


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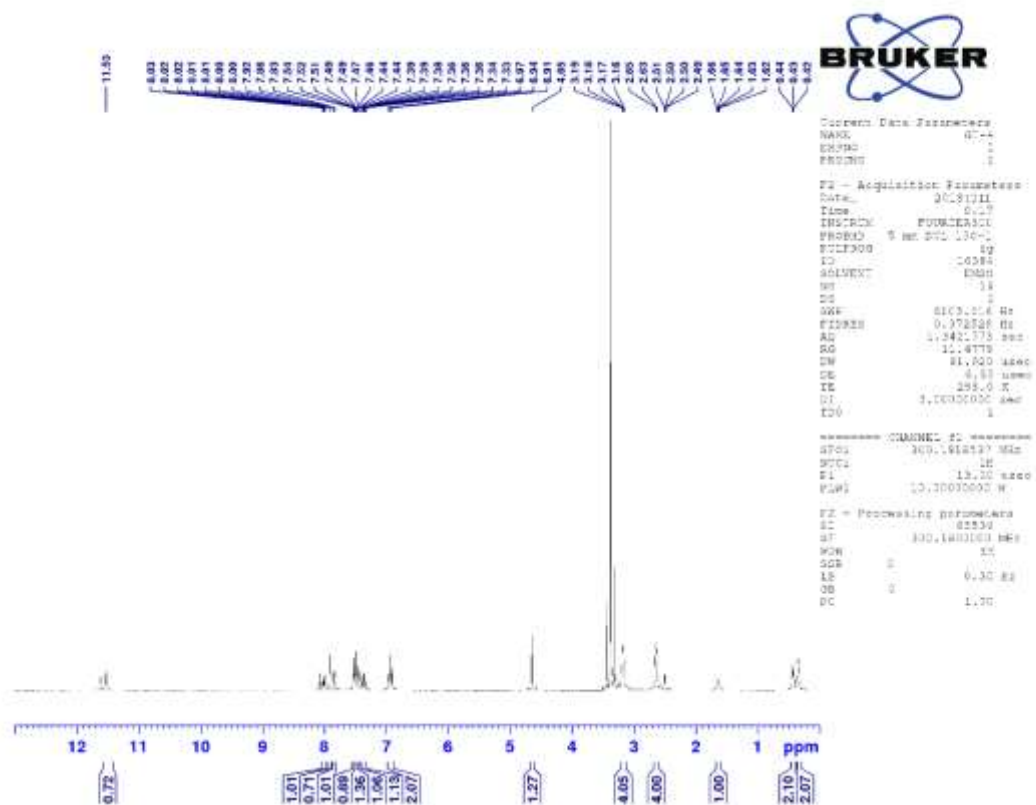
Spectra 28. LCMSMS spectra of compound 4g

DOPNALAB

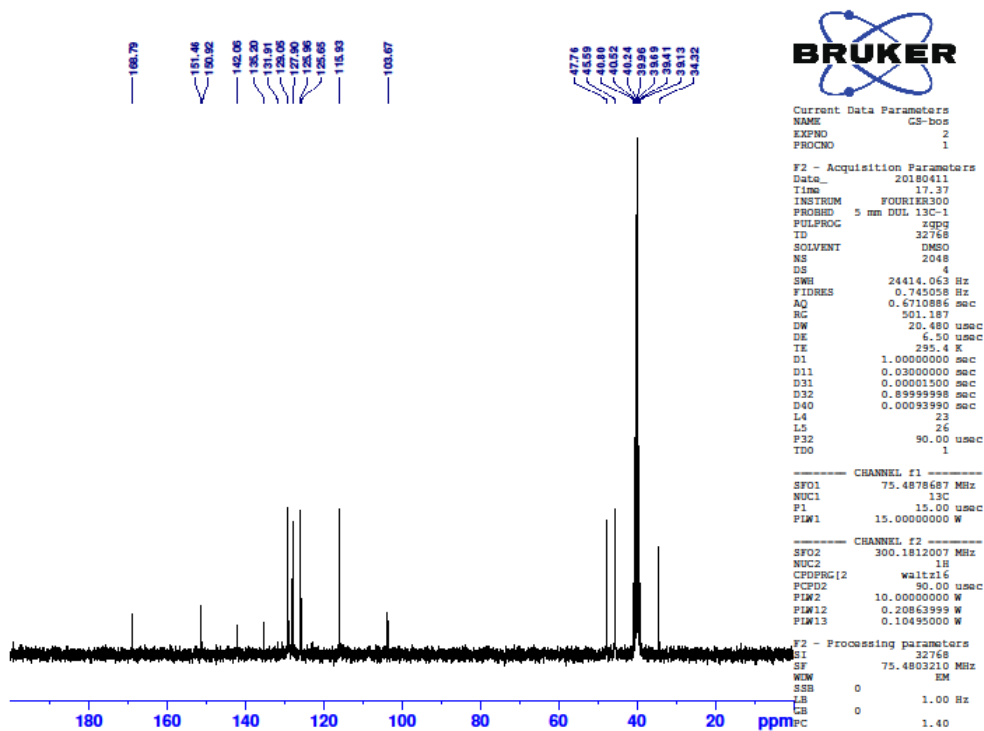
Item	Value
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Acquired by	System Administrator
Filename	C:\Users\dopnalab\Desktop\denyal\GAMZE TOKGÖZ\BT-CYL1.lspd
Spectrum name	BT-CYL1
Sample name	BT-CYL
Sample ID	
Option	
Comment	
No. of Scans	10
Resolution	4 [cm-1]
Apodization	Happ-Genzel



Spectra 29. IR spectra of compound 4h



Spectra 30. ^1H -NMR spectra of compound 4h

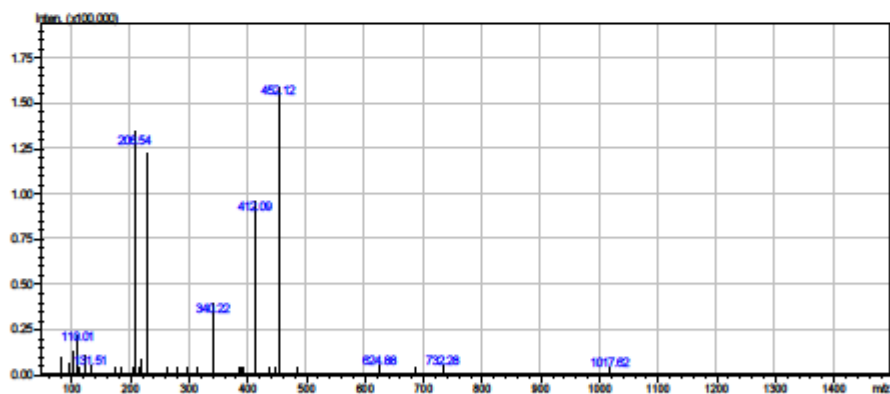
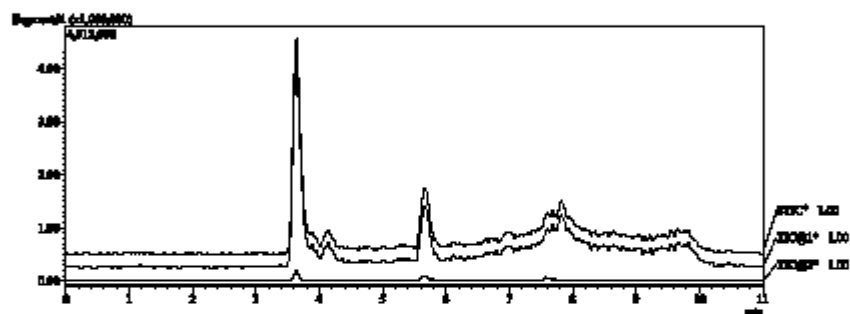


Spectra 31. ^{13}C -NMR spectra of compound 4h

Shimadzu LCMSolution Analysis Report

Acquired by : Admin
Sample Name : ET-99do
Sample ID :
Vial # : 9
Injection Volume : 0.5 μ L
Data File Name : ET-99do_29.Mxd
Method File Name : genMethod
Batch File Name : batch1.txt
Report File Name : Default.LCMS.rpt
Data Acquired : 18.04.2018 13:38:21
Data Processed : 18.04.2018 13:48:54

<<Chromatogram>>



Spectra 32. LCMSMS spectra of compound **4h**