

19F NMR of Compound 7c

SG-60

Sample Name:

SG-60

Data Collected on:

localhost.localdomain-vmr400

Archive directory:

/home/vnmr1/vnmrsys/data/2024/Oct/20241023

Sample directory:

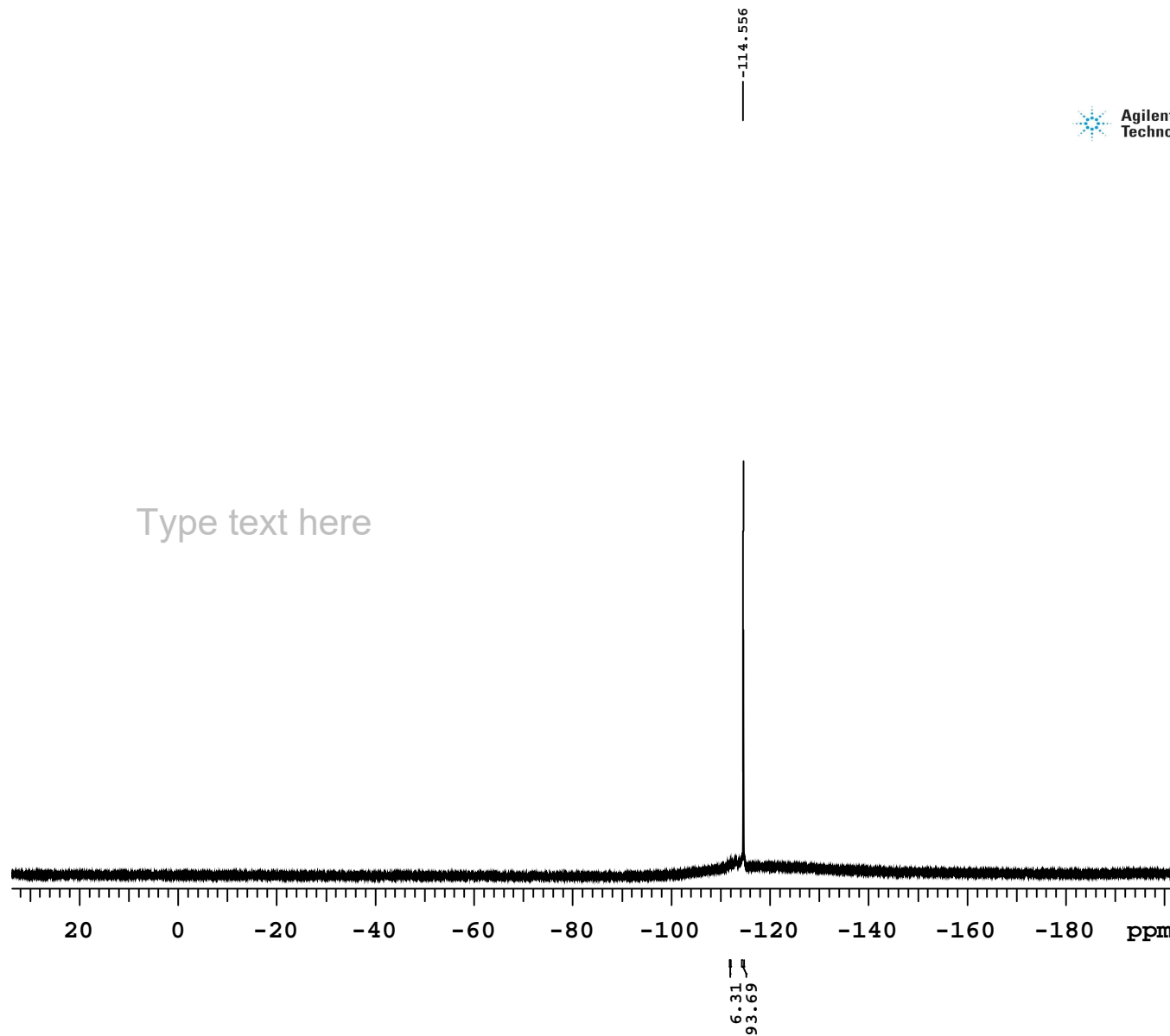
SG-60_20241023_01

FidFile: SG-60-FLUORINE_01

Pulse Sequence: FLUORINE (s2pul)

Solvent: dmsd

Data collected on: Oct 23 2024



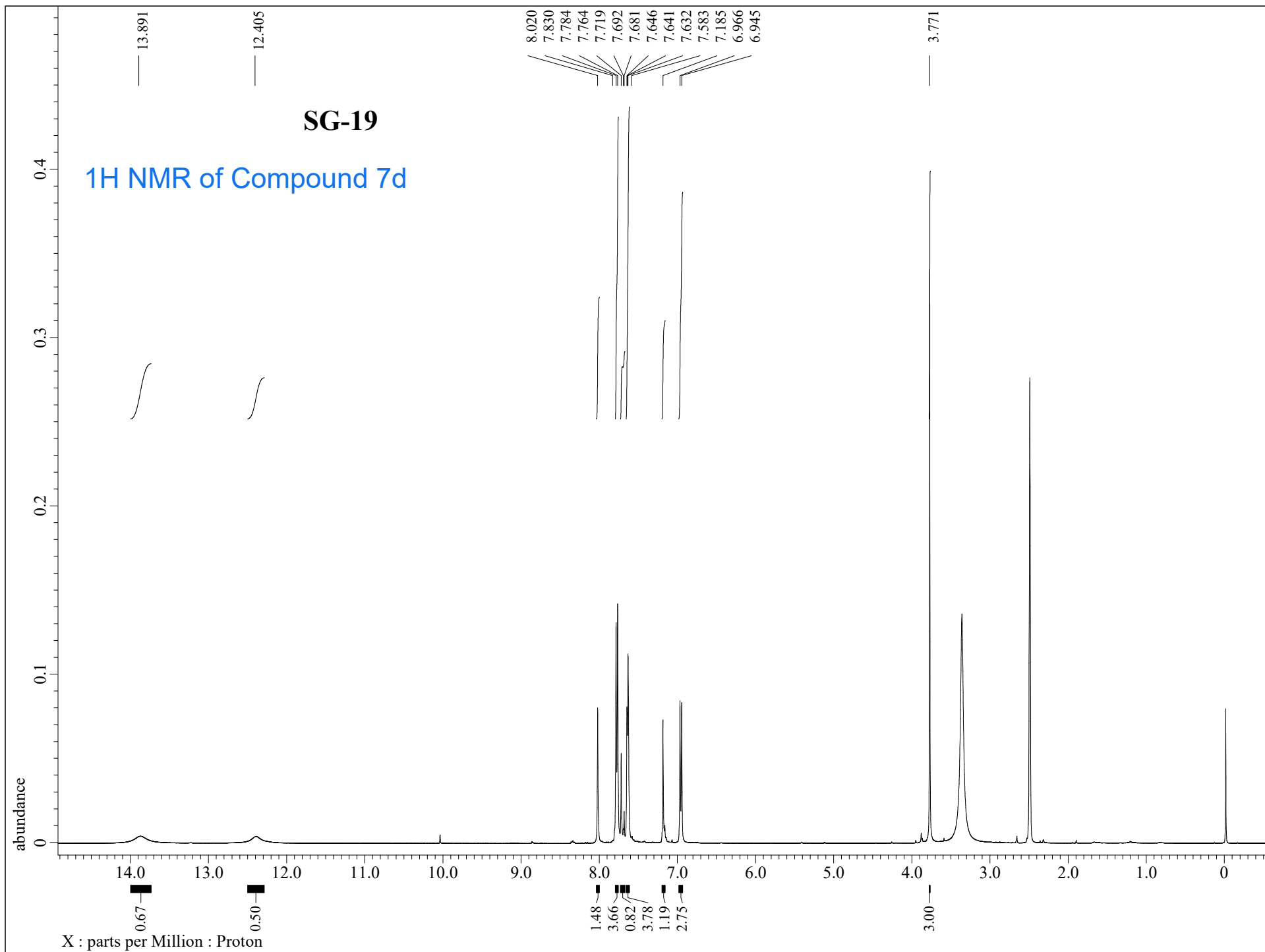
Plotname: SG-60-FLUORINE_01_plot01--

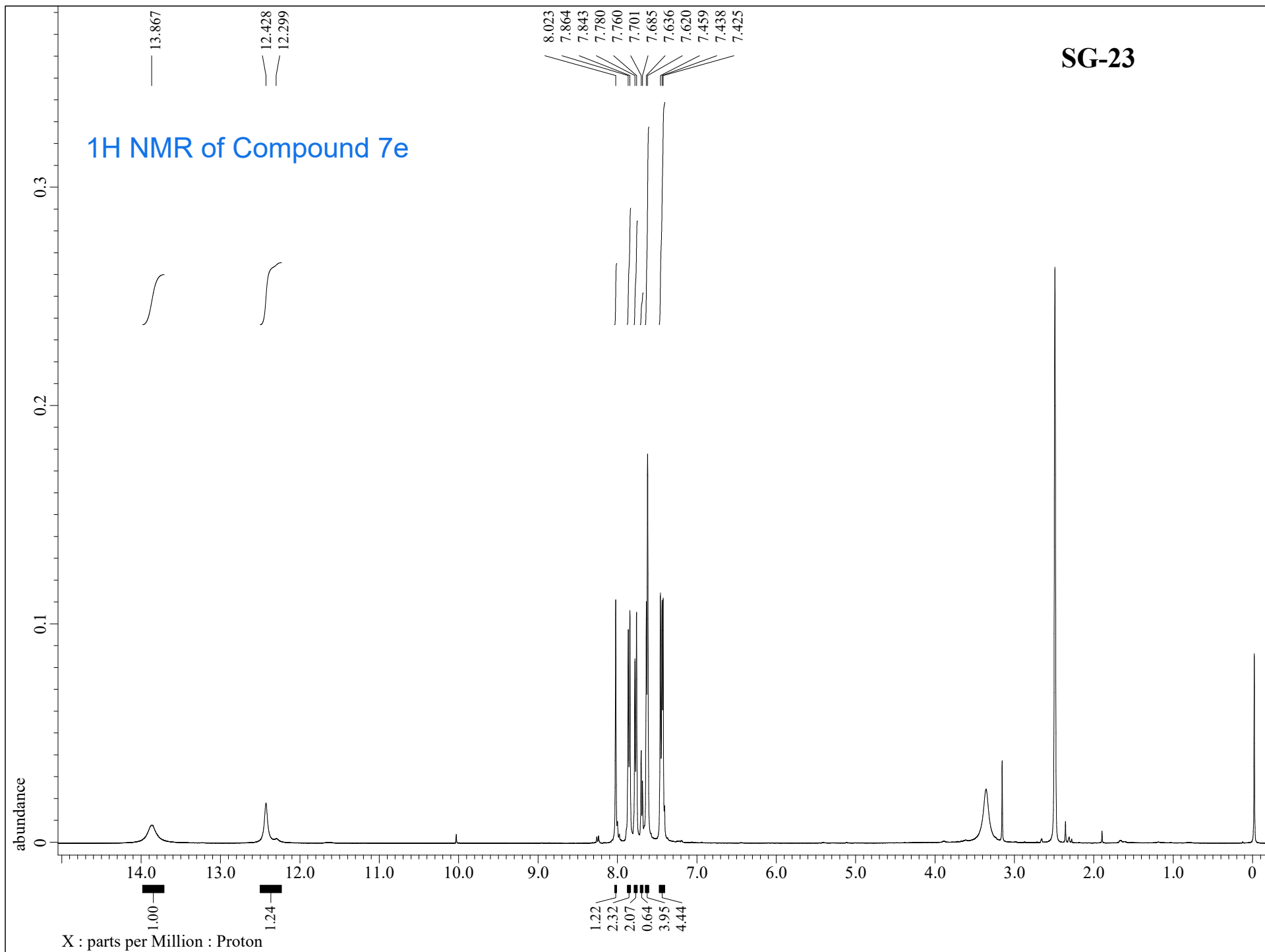
INTEGRAL VALUES

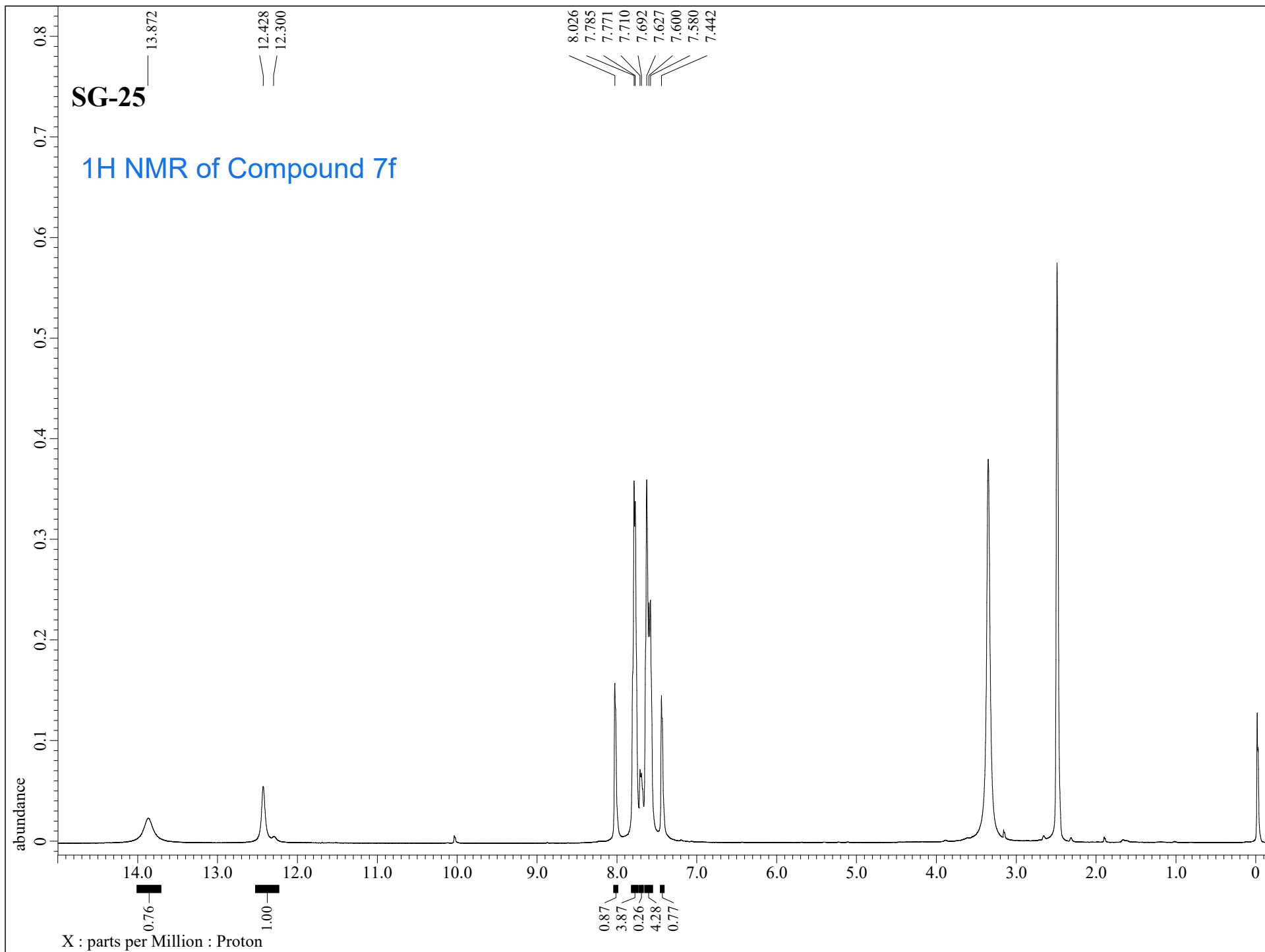
Integral	start(ppm)	end	value
1	33.656	-111.911	3.909
2	-111.911	-112.067	0.493
3	-112.067	-114.373	7.496
4	-114.373	-114.811	7.321
5	-114.811	-203.653	80.782

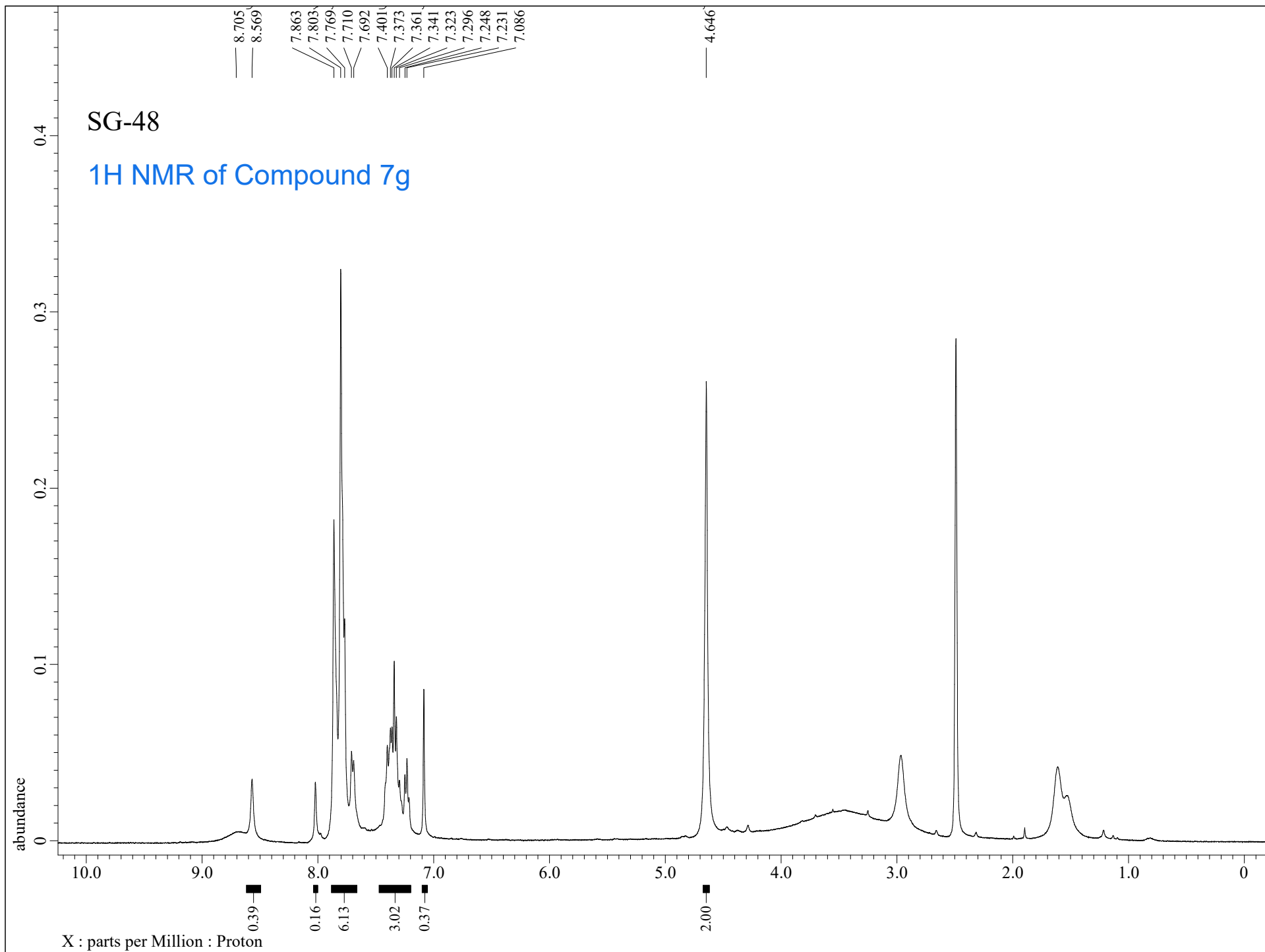
PEAK FREQUENCIES

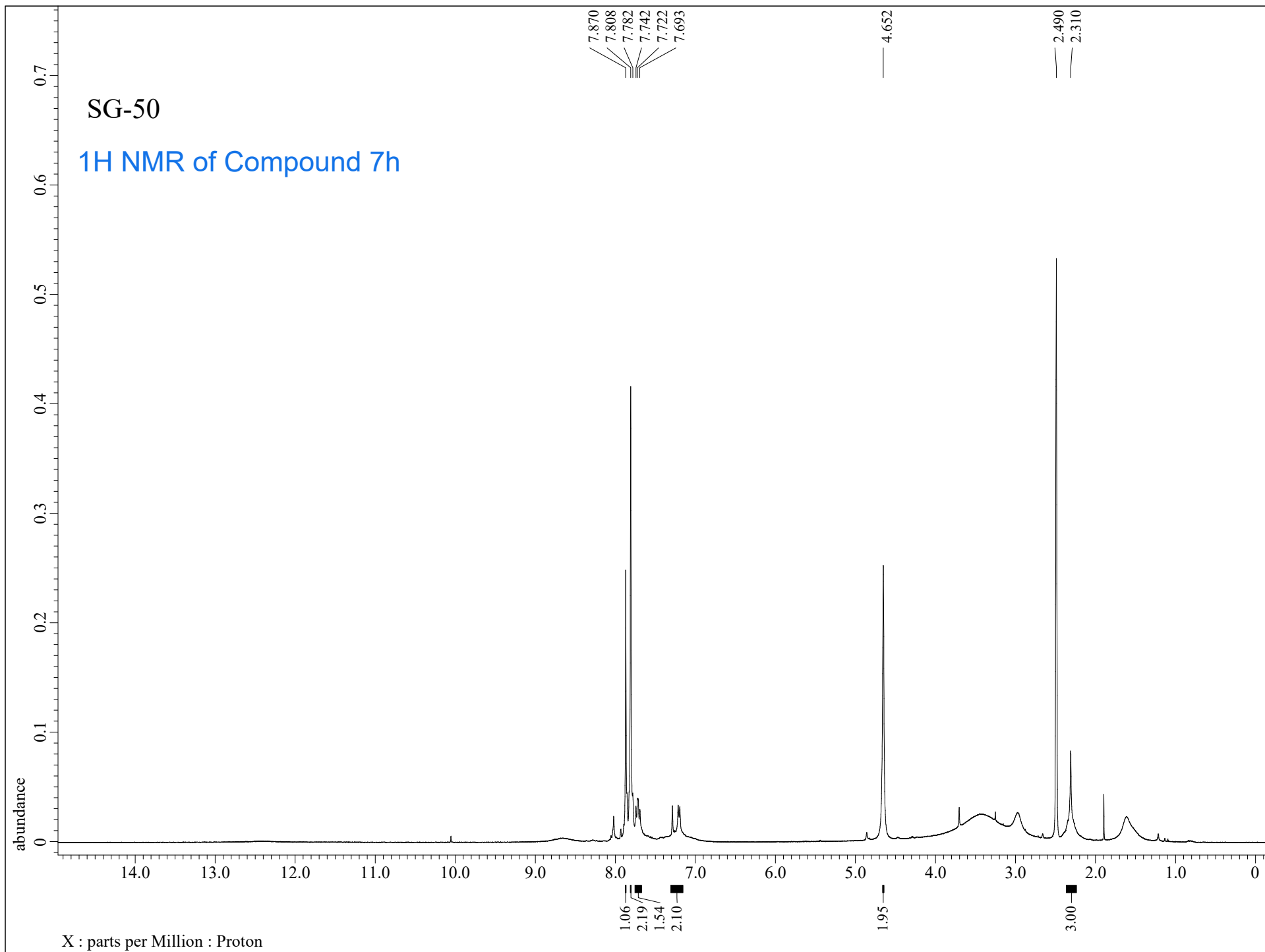
index	freq(ppm)	intensity
1	-114.556	37.6392

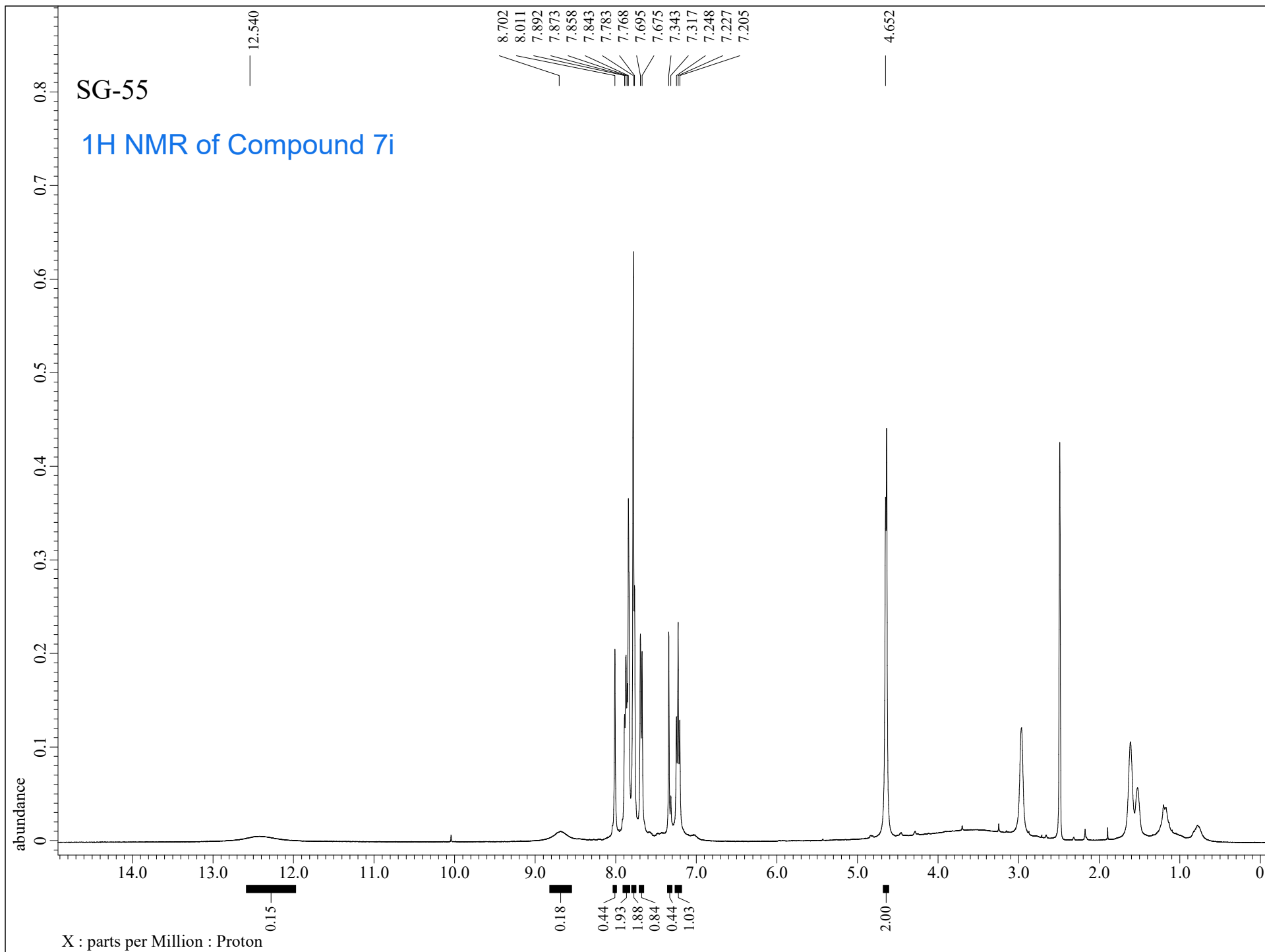












19F NMR of Compound 7i

SG-55

Sample Name:

SG-55

Data Collected on:

localhost.localdomain-vnmrs400

Archive directory:

/home/vnmr1/vnmrsys/data/2024/Oct/20241023

Sample directory:

SG-55_20241023_01

FidFile: SG-55-FLUORINE_02

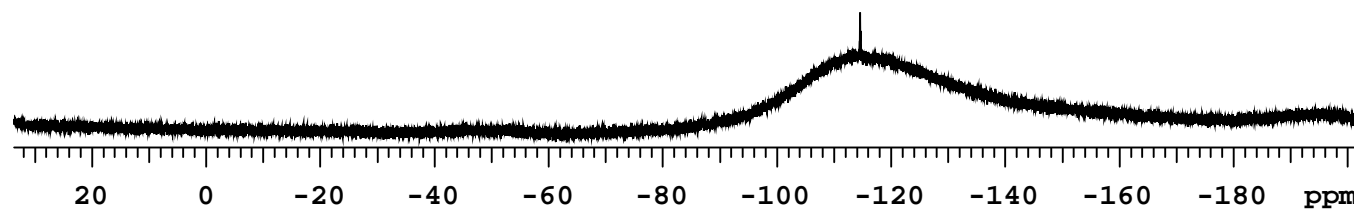
Pulse Sequence: FLUORINE (s2pul)

Solvent: dmsd

Data collected on: Oct 23 2024



-114.537



Plotname: SG-55-FLUORINE_02_plot01--

INTEGRAL VALUES

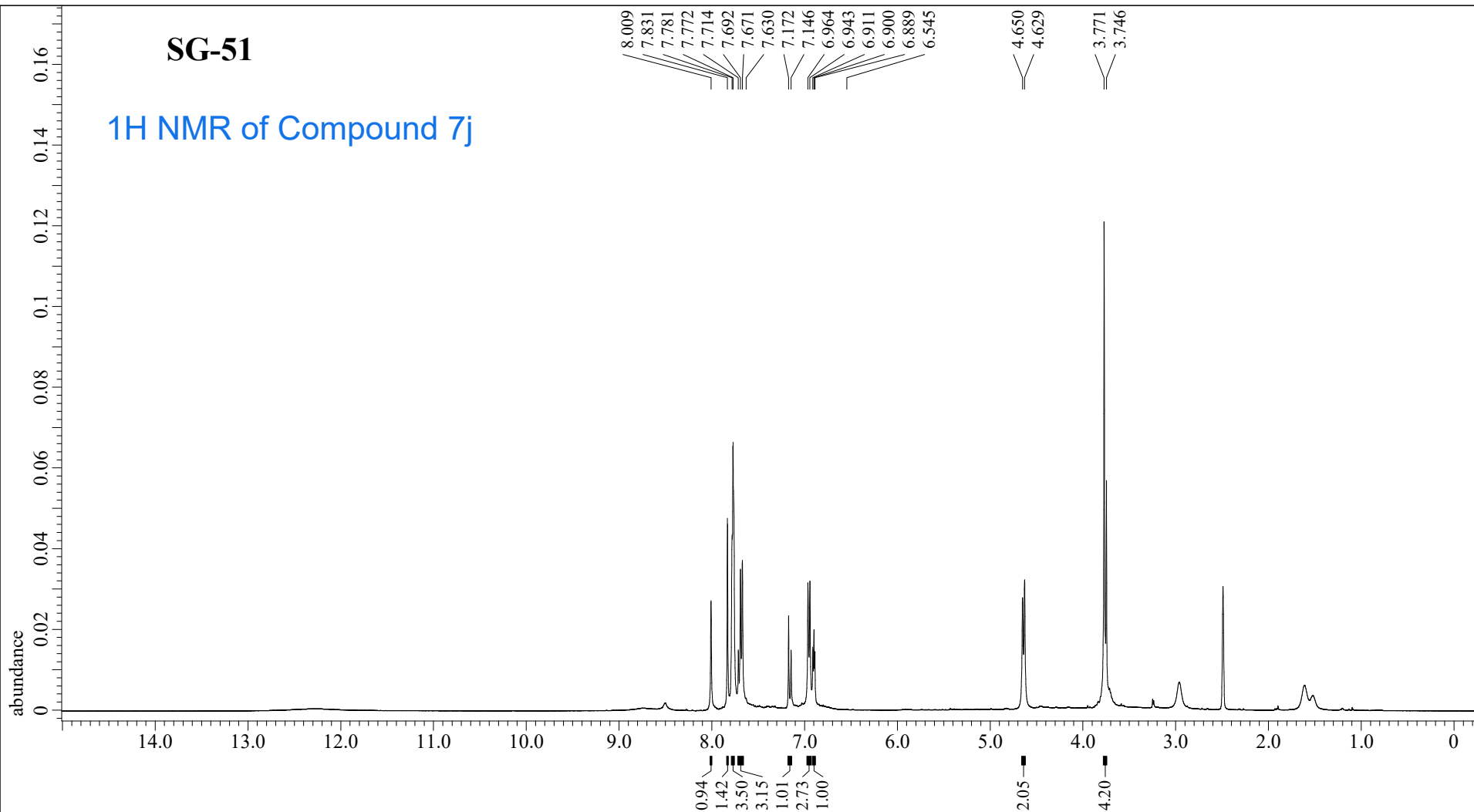
Integral	start(ppm)	end	value
1	33.656	-203.653	100.000

PEAK FREQUENCIES

index	freq(ppm)	intensity
1	-114.537	15.8254

SG-51

1H NMR of Compound 7j



X : parts per Million : Proton

Filename = SR_SG 51_Proton-1-2.j
 Author = default
 Experiment = proton.jpg
 Sample_Id = SR/SG 51
 Solvent = DMSO-D6
 Creation_Time = 8-MAY-2024 18:38:36
 Revision_Time = 10-MAY-2024 19:17:55
 Current_Time = 10-MAY-2024 19:18:10
 Comment = single_pulse
 Data_Format = 1D COMPLEX
 Dim_Size = 52429
 Dim_Title = Proton
 Dim_Units = [ppm]
 Dimensions = X
 Spectrometer = DELTA2_NMR

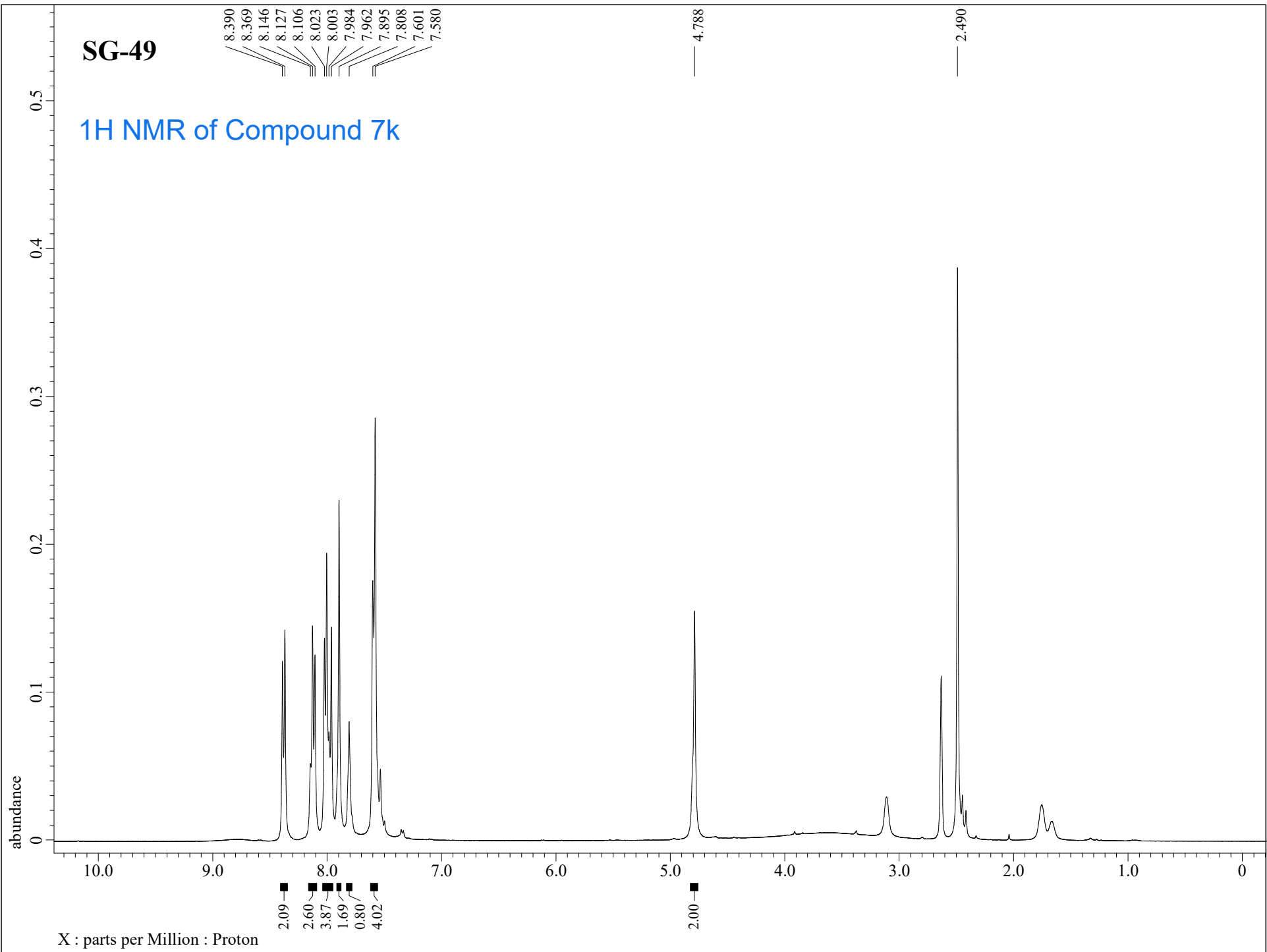
Field_Strength = 9.39094035 [T] (400 [MH])
 X_Acq_Duration = 1.63577856 [s]
 X_Domain = 1H
 X_Freq = 399.83219794 [MHz]
 X_Offset = 5 [ppm]
 X_Points = 16384
 X_Prescans = 1
 X_Resolution = 0.61132969 [Hz]
 X_Sweep = 10.01602564 [kHz]
 X_Sweep_Clipped = 8.01282051 [kHz]
 Irr_Domain = Proton
 Irr_Freq = 399.83219794 [MHz]
 Irr_Offset = 5 [ppm]
 Tri_Domain = Proton
 Tri_Freq = 399.83219794 [MHz]
 Tri_Offset = 5 [ppm]
 Blanking = 2 [us]

---- PROCESSING PARAMETERS ----
 sexp(0.4 [Hz], 0.0 [s])
 trapezoid(0 [%], 0 [%], 80 [%], 100 [%])
 zerofill(4)
 fft(1, TRUE, TRUE)
 machinephase
 ppm
 Derived from: SR_SG 51_Proton-1-1.jdf



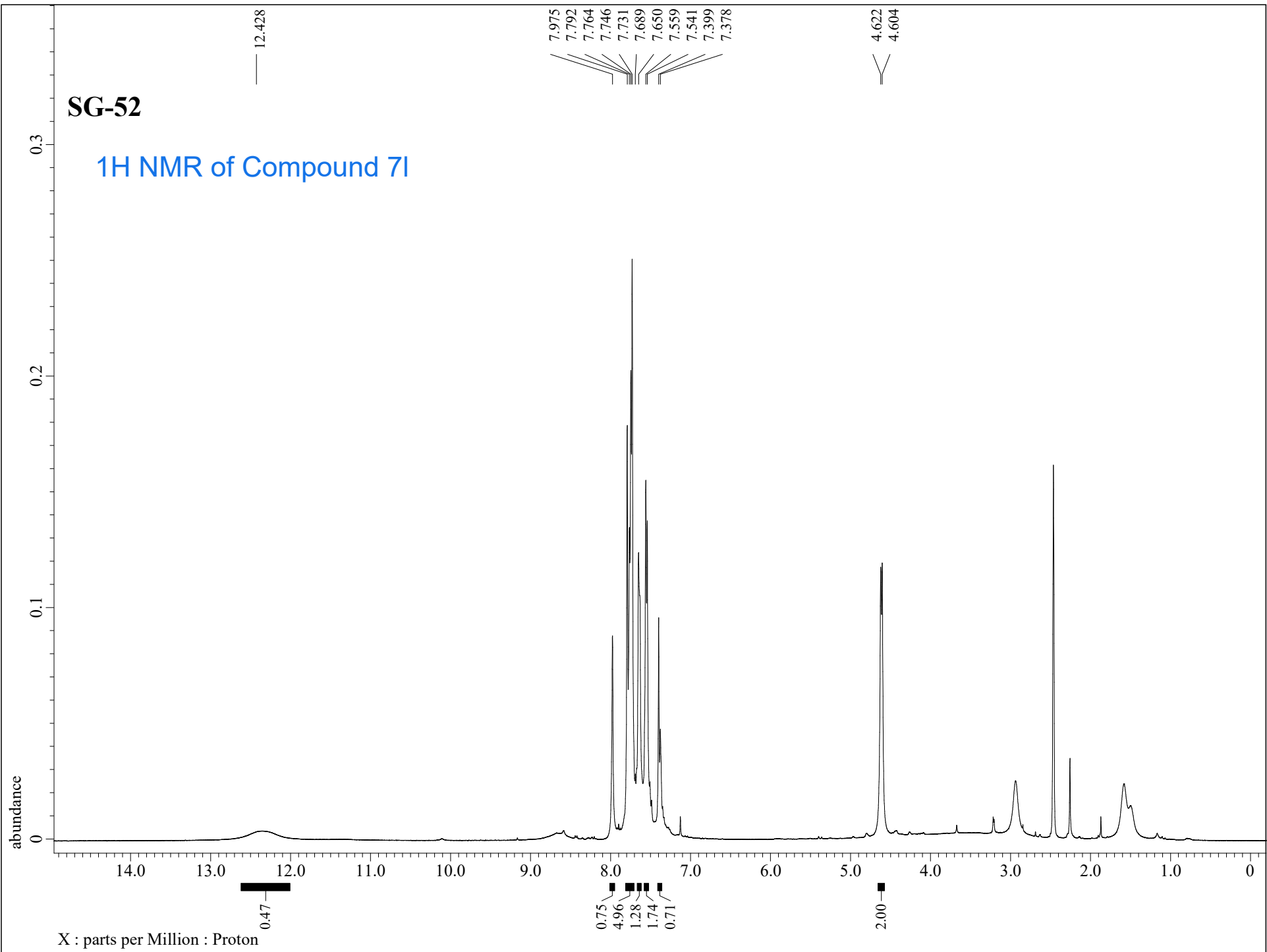
SG-49

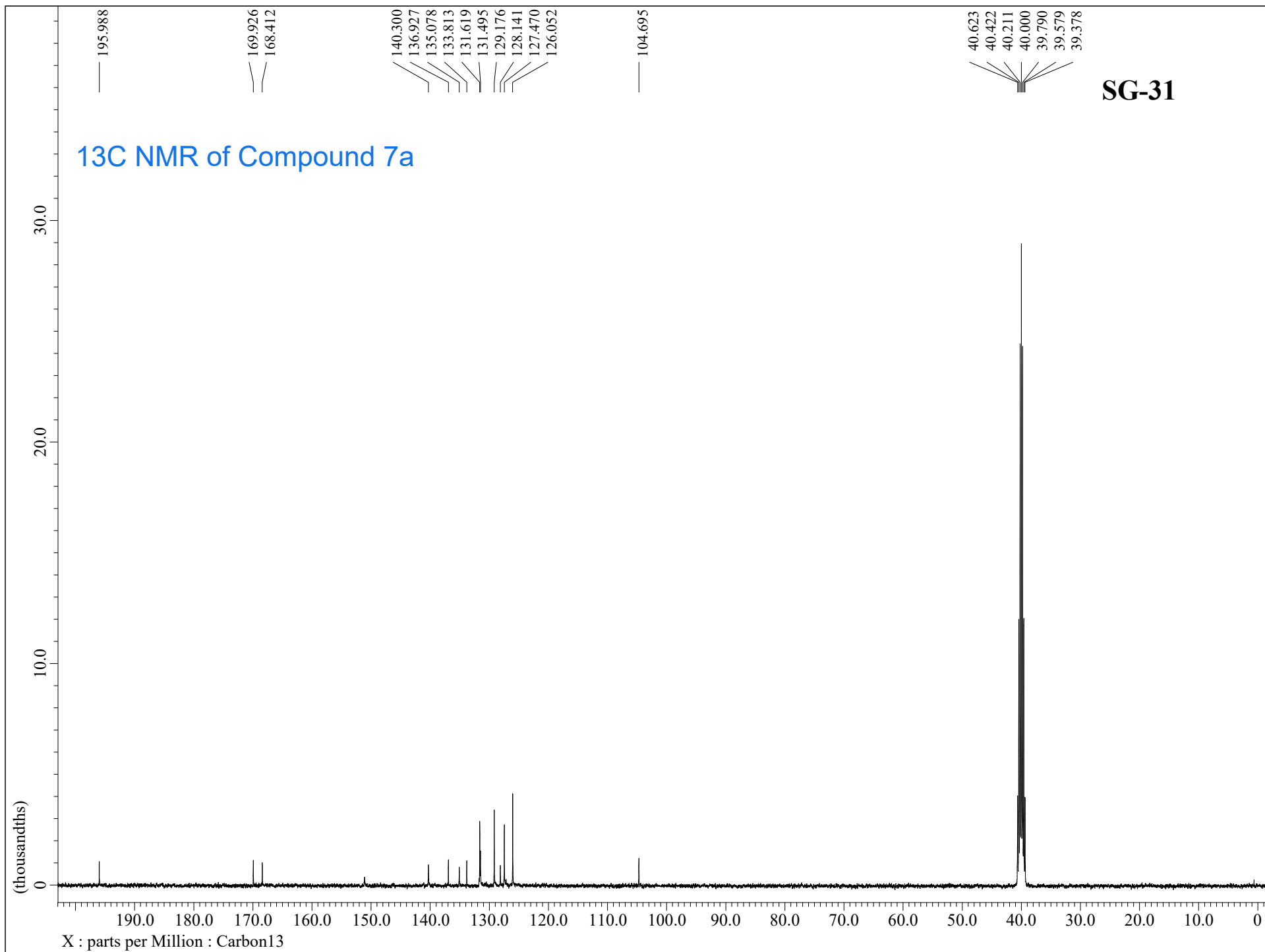
1H NMR of Compound 7k



SG-52

1H NMR of Compound 7I

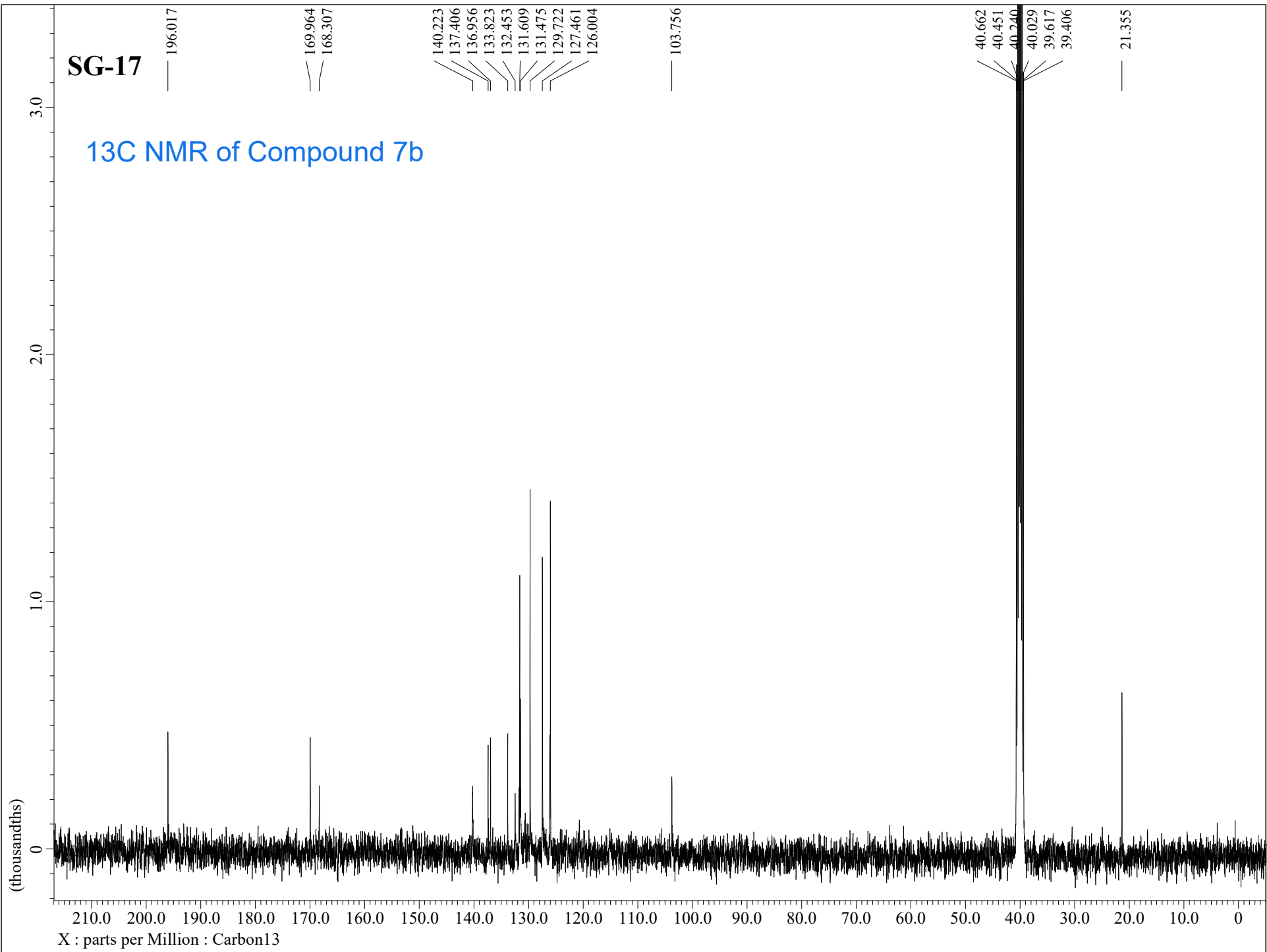


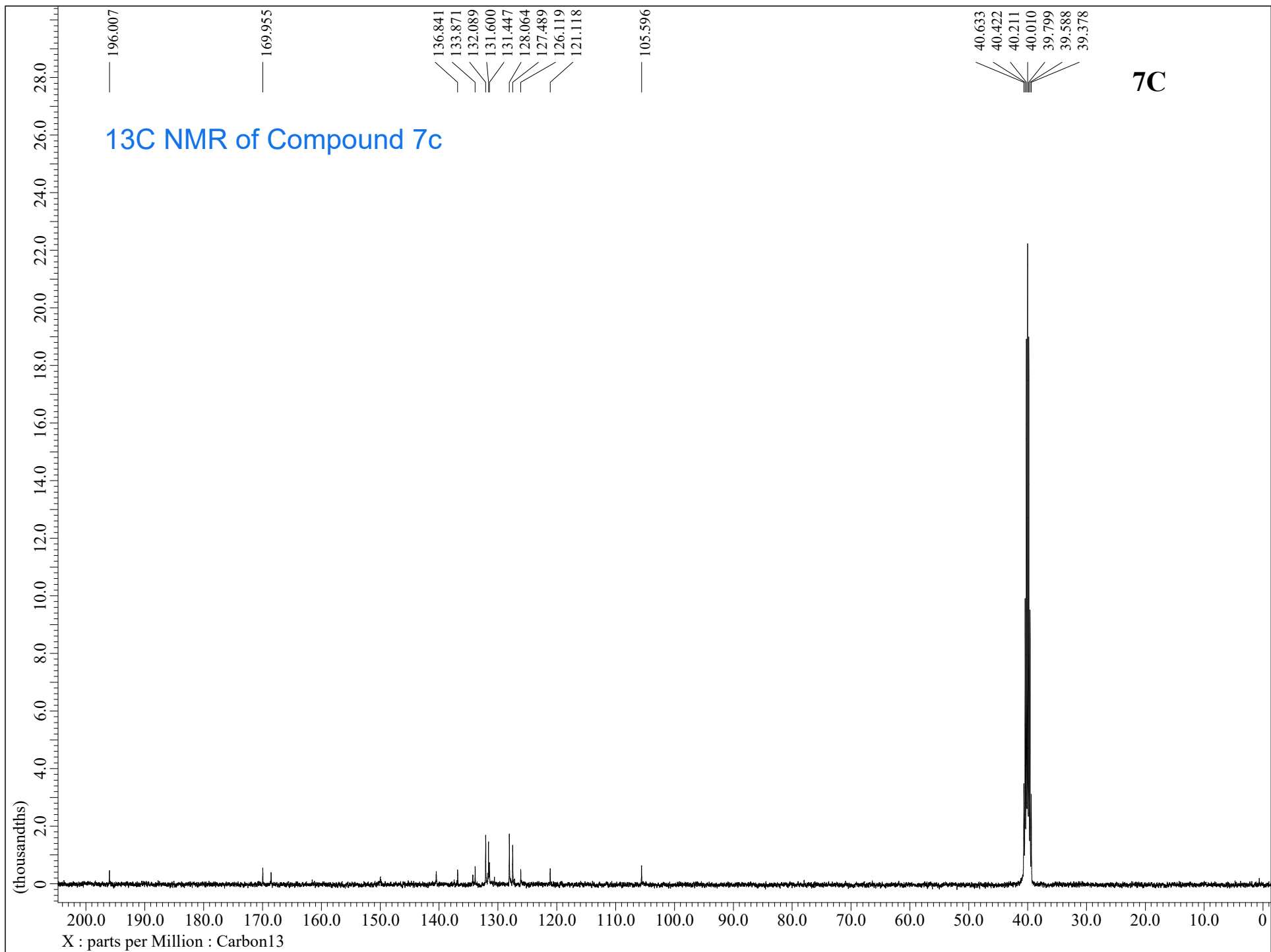


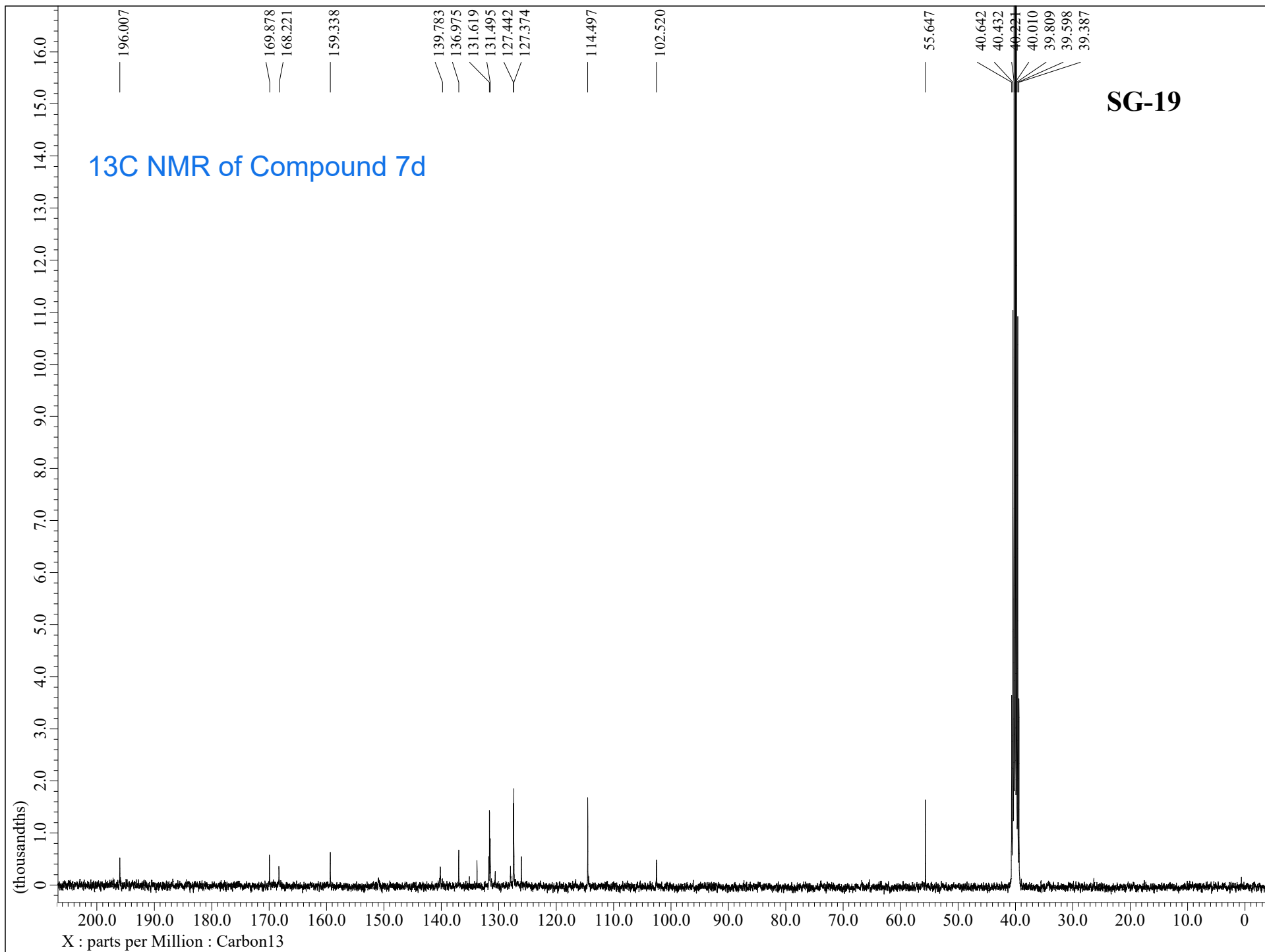
SG-31

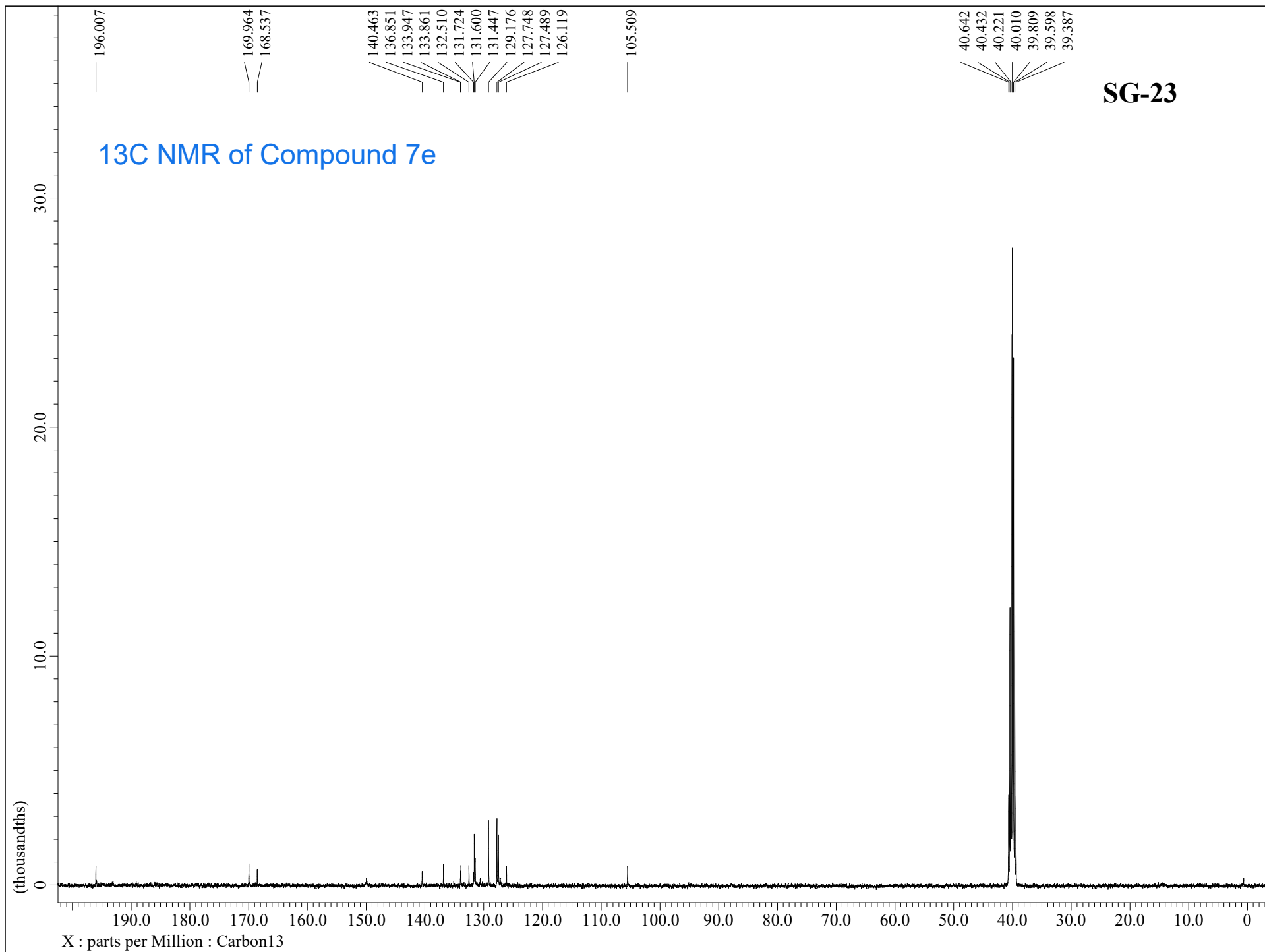
SG-17

¹³C NMR of Compound 7b

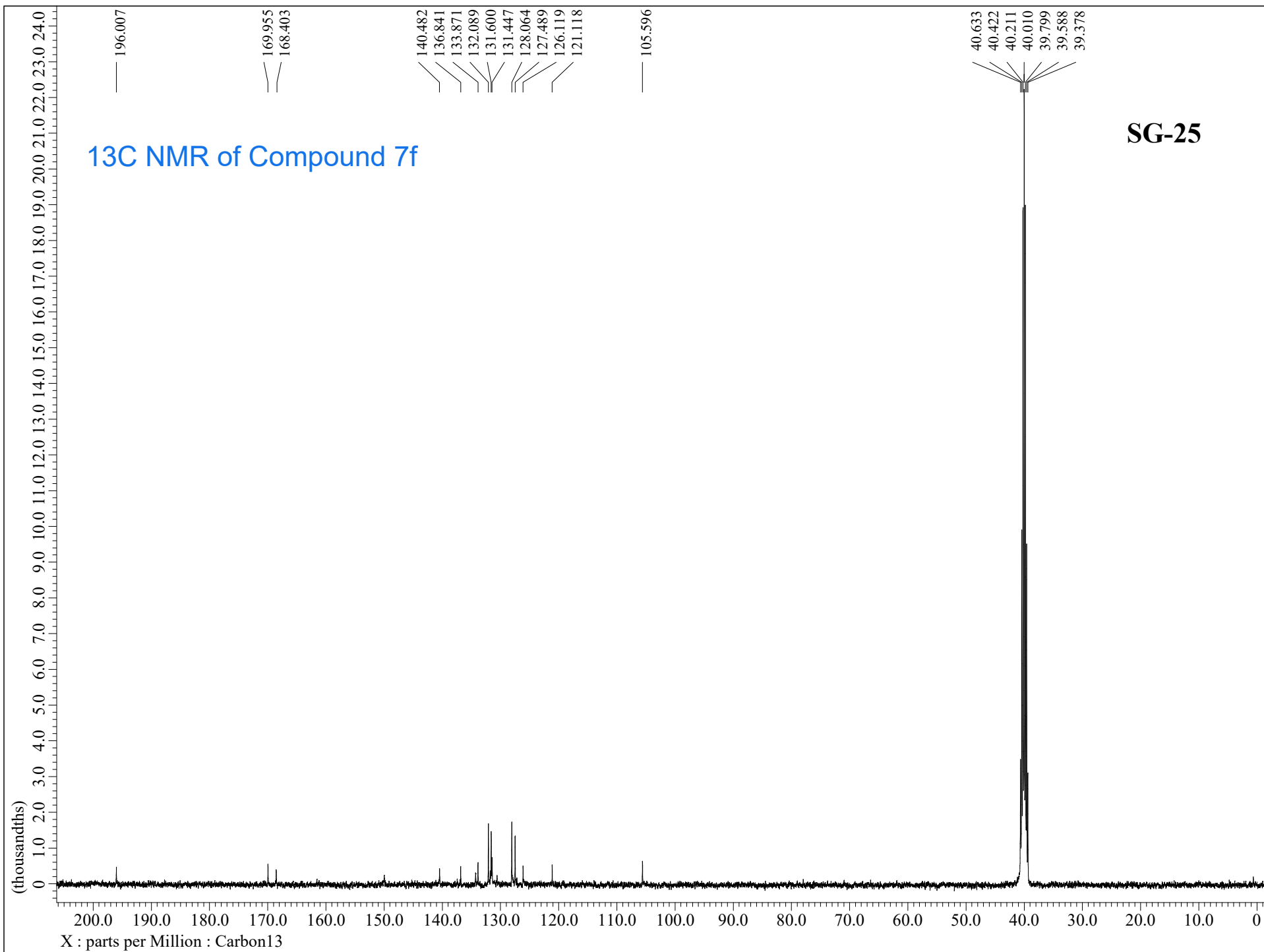




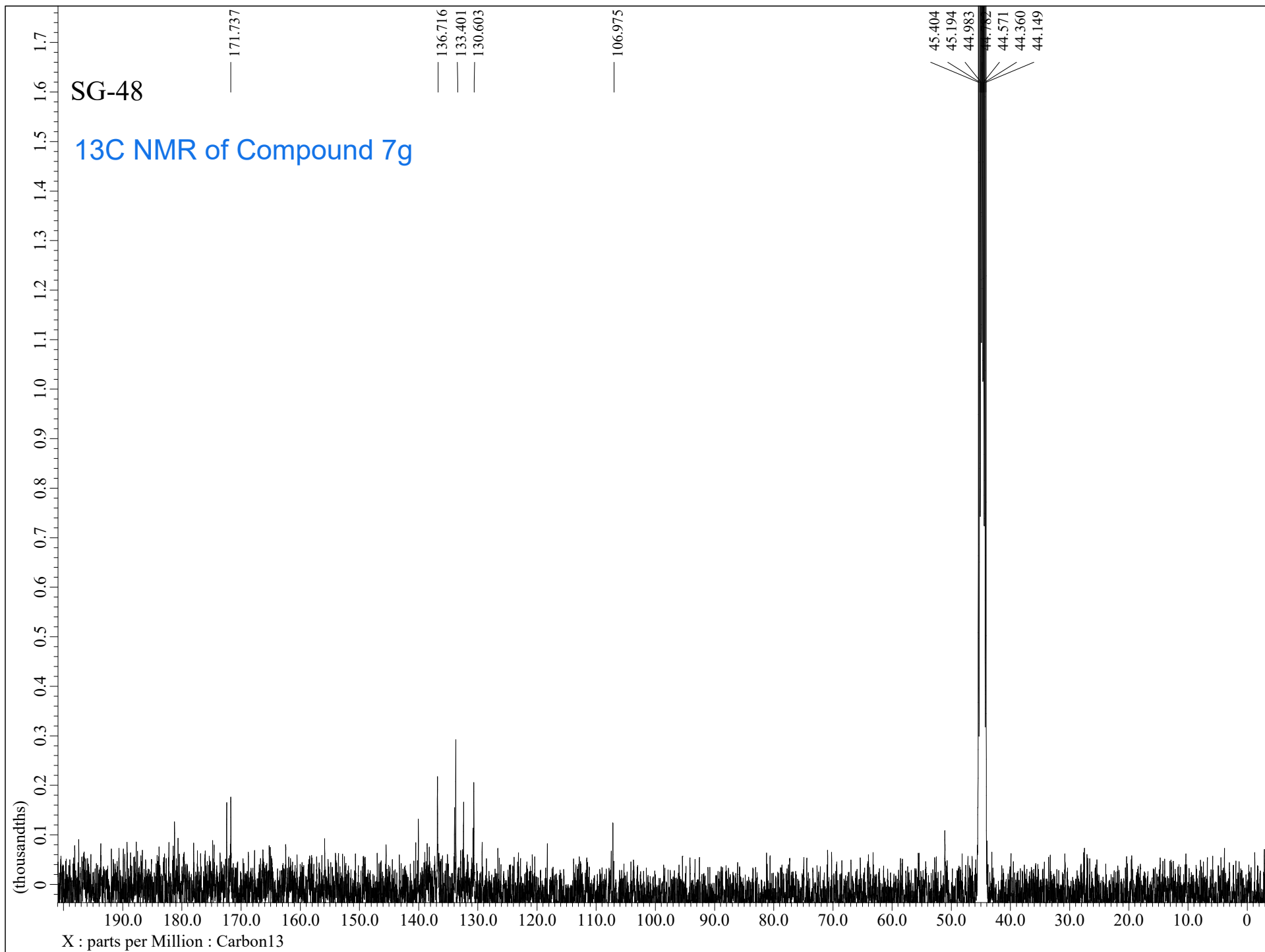




SG-23

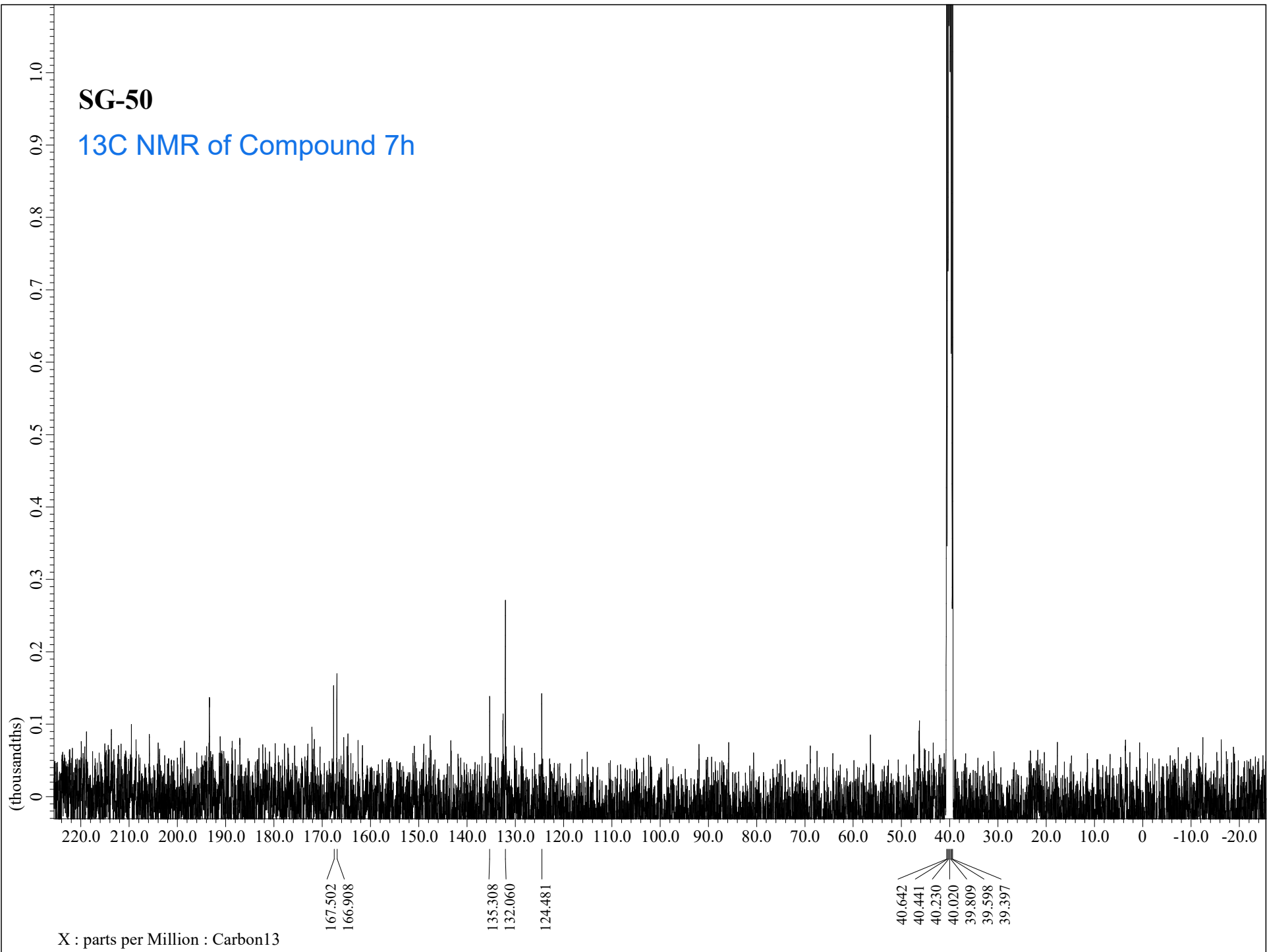


SG-25

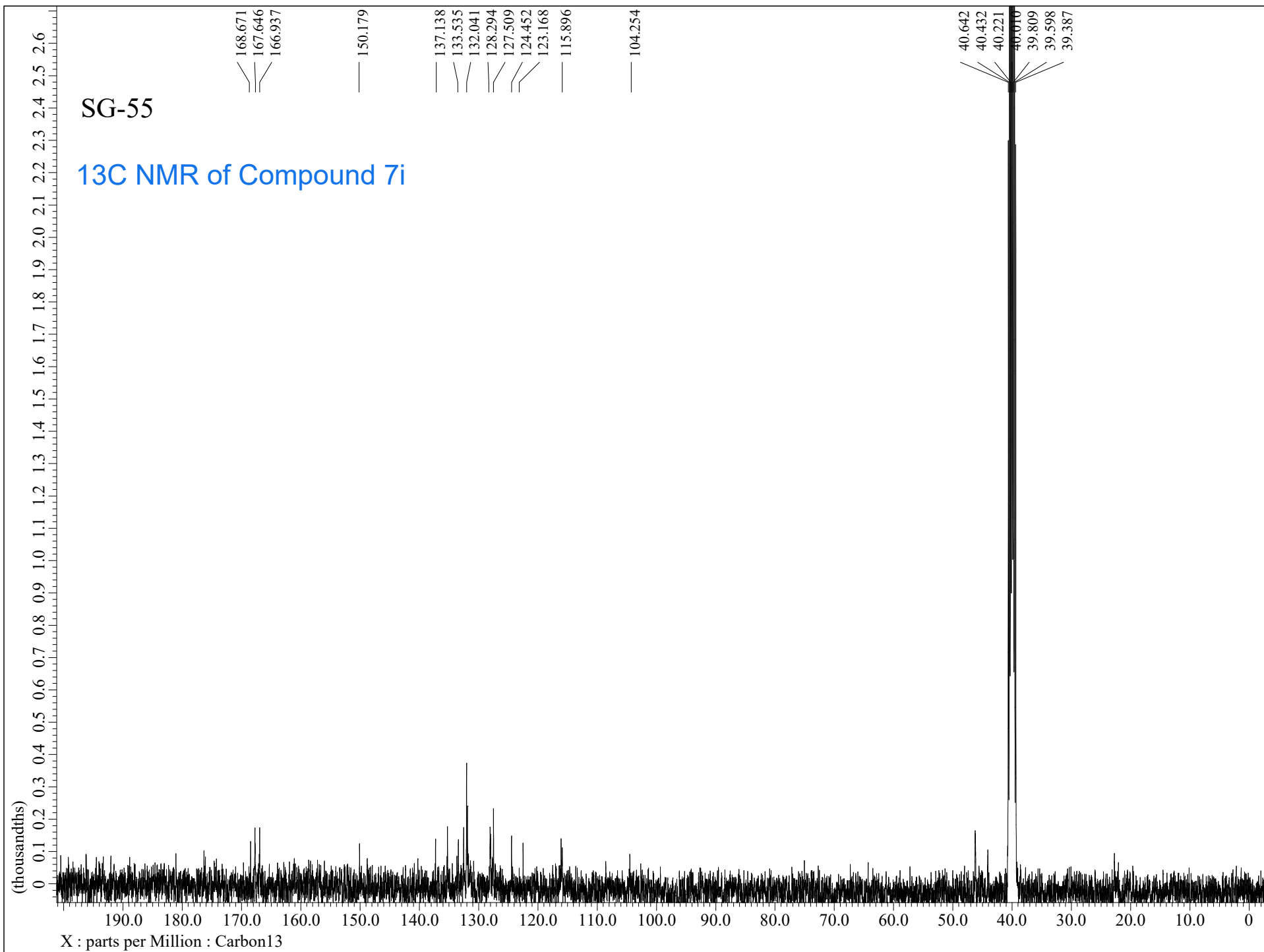


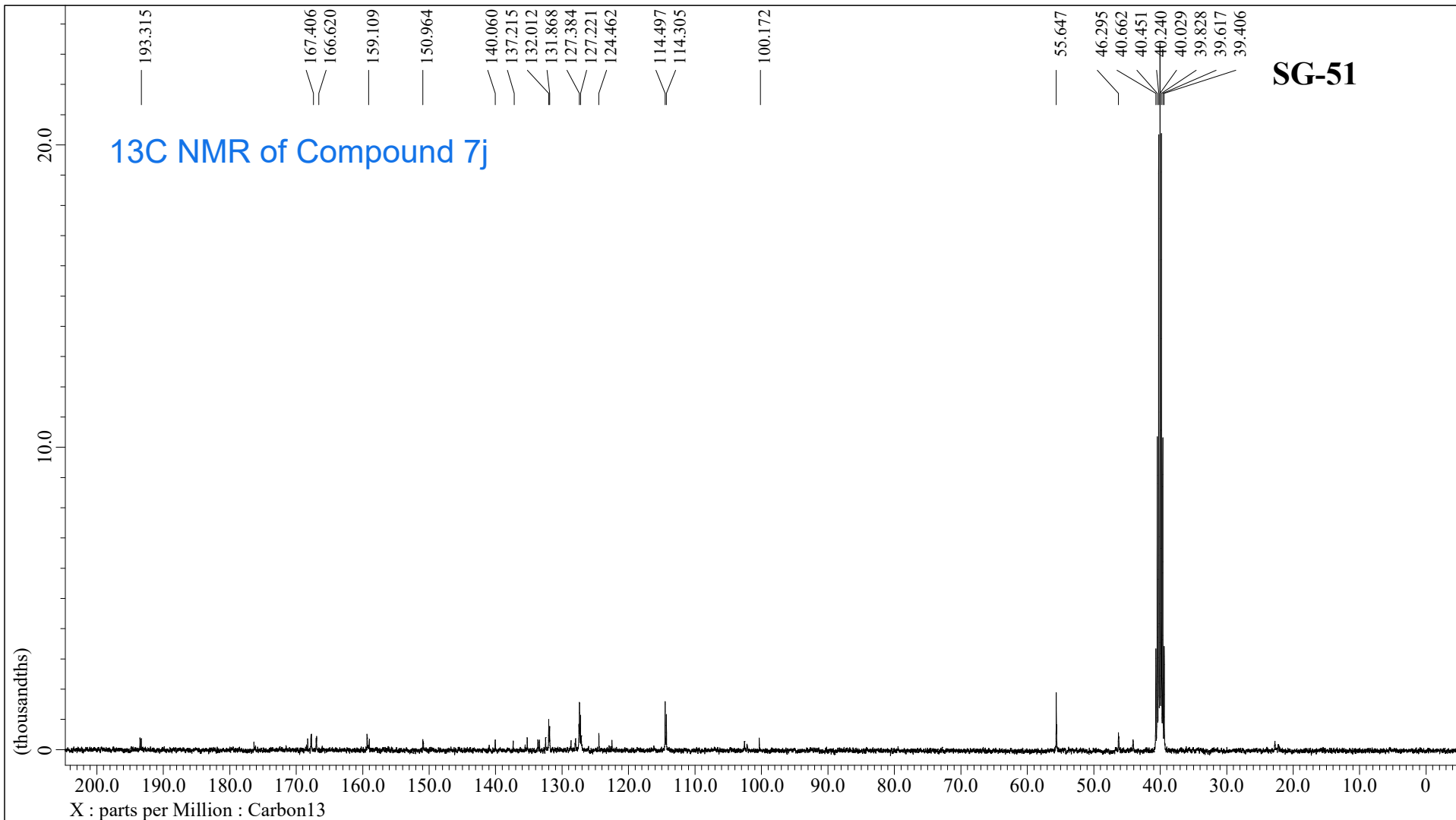
SG-50

¹³C NMR of Compound 7h



X : parts per Million : Carbon13



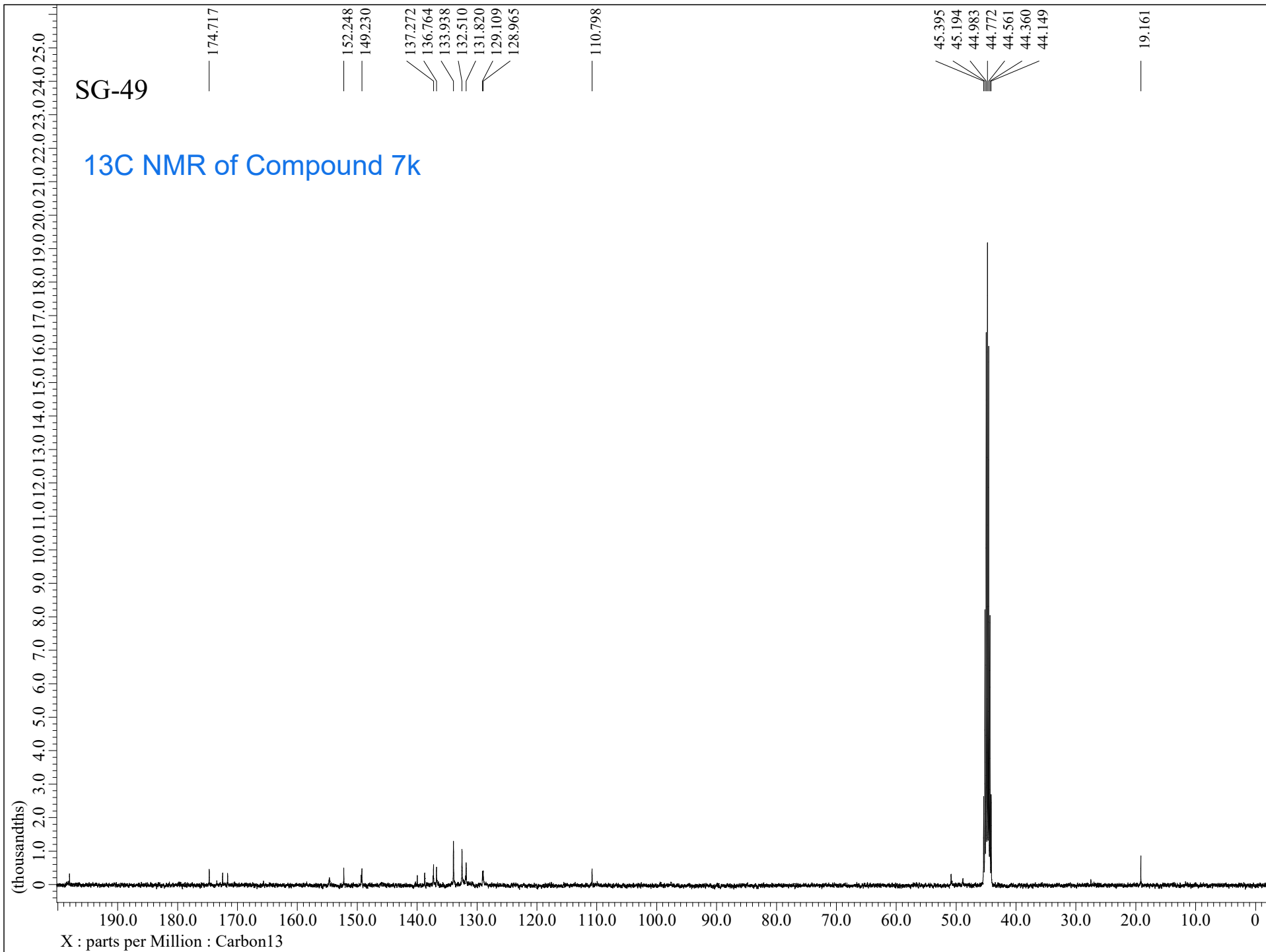


Filename	= SR_SG 51_Carbon-1-	Field Strength	= 9.39094035 [T] (400
Author	= default	X_Acq_Duration	= 1.03809024 [s]
Experiment	= carbon.jxp	X_Domain	= 13C
Sample_Id	= SR/SG 51	X_Freq	= 100.53787572 [MHz]
Solvent	= DMSO-D6	X_Offset	= 100 [ppm]
Creation_Time	= 8-MAY-2024 18:42:	X_Points	= 32768
Revision_Time	= 10-MAY-2024 19:22:	X_Prescans	= 4
Current_Time	= 10-MAY-2024 19:23:	X_Resolution	= 0.96330739 [Hz]
		X_Sweep	= 31.56565657 [kHz]
Comment	= single pulse decou	X_Sweep_Clipped	= 25.25252525 [kHz]
Data_Format	= 1D_COMPLEX	Irr_Domain	= Proton
Dim_Size	= 26214	Irr_Freq	= 399.83219794 [MHz]
Dim_Title	= Carbon13	Irr_Offset	= 5 [ppm]
Dim_Units	= [ppm]	Blanking	= 5 [us]
Dimensions	= X	Clipped	= FALSE
Spectrometer	= DELTA2_NMR	Decimation_Reg	= r: 198 (197), g: 39
		Scans	= 512

```

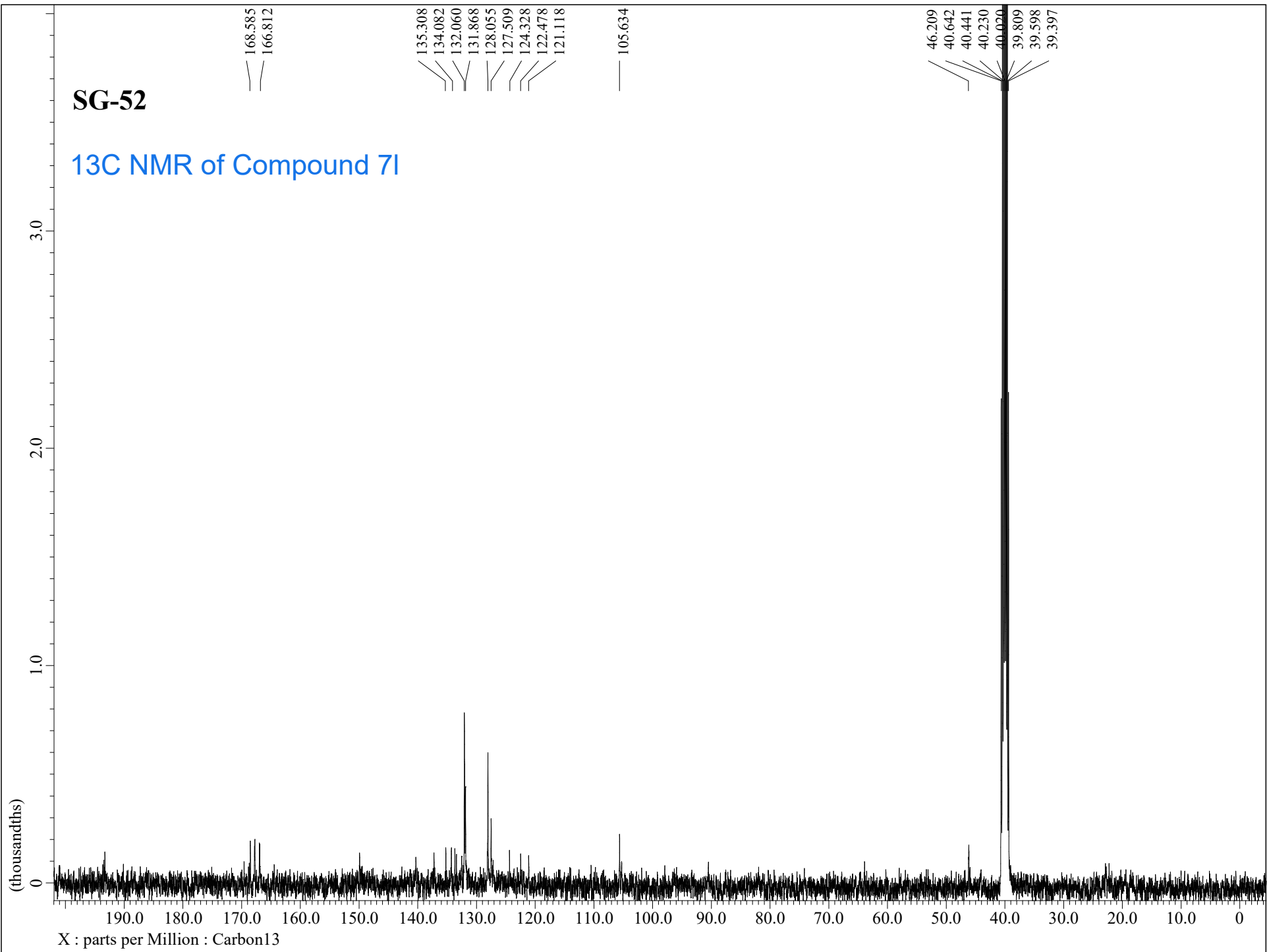
---- PROCESSING PARAMETERS ----
sexp( 2.0[Hz], 0.0[s] )
trapezoid( 0[%], 0[%], 80[%], 100[%] )
zerofill( 1 )
fft( 1, TRUE, TRUE )
machinephase
ppm
Derived from: SR_SG 51_Carbon-1-1.jdf

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SG-52

¹³C NMR of Compound 7I



HRMS of 7a (ESI) m/z calcd for C₂₀H₁₄N₄OS₃ [M+H]⁺, 422.54; found, 423.03.

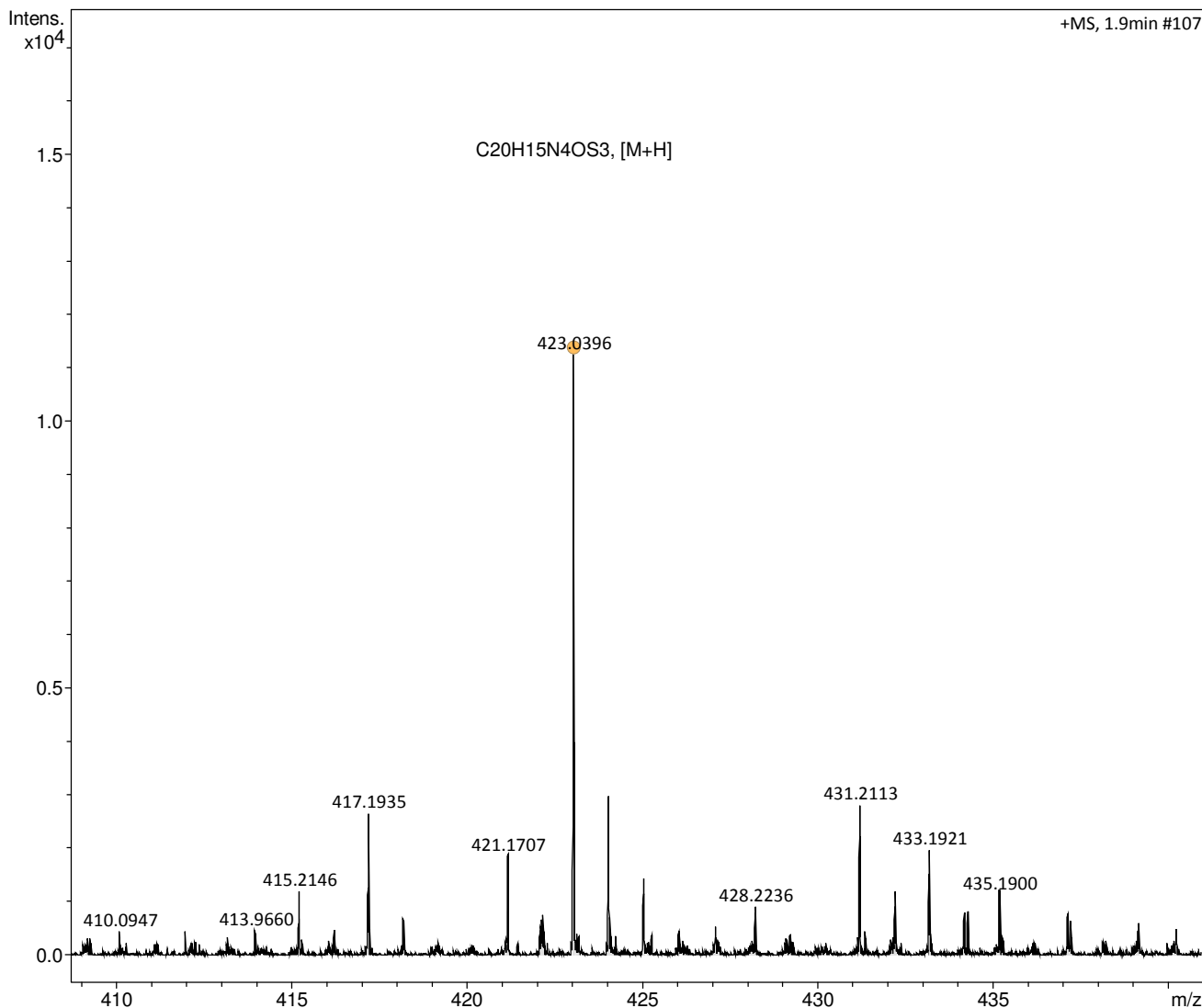
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Analysis Info

Acquisition Date 8/16/2024 7:11:32 PM
 Analysis Name D:\Data\2024\AUG\SPPU COLLEGE\S. P. COLLEGE\PROF. PRAVIN MHASKE\SG31_RA8_01_7865.d
 Method dlc_ms20-1200mz_10min_0.120ml flow_90b_july 2024.m Analyst : Nitin S. Kadam CIF
 Sample Name SG31 Instrument impact HD 1819696.00184

Acquisition Parameter

Source Type	ESI	Ion Polarity	Positive	Set Nebulizer	0.9 Bar
Focus	Active	Set Capillary	4500 V	Set Dry Heater	200 °C
Scan Begin	20 m/z	Set End Plate Offset	-500 V	Set Dry Gas	7.0 l/min
Scan End	1200 m/z	Set Charging Voltage	2000 V	Set Divert Valve	Source
		Set Corona	0 nA	Set APCI Heater	0 °C



Meas. m/z	#	Ion Formula	Score	m/z	err [mDa]	err [ppm]	mSigma	rdb	e ⁻	Conf	N-Rule	Adduct
423.039565	1	C ₂₀ H ₁₅ N ₄ OS ₃	100.00	423.040251	0.7	1.6	18.6	15.5	even		ok	M+H

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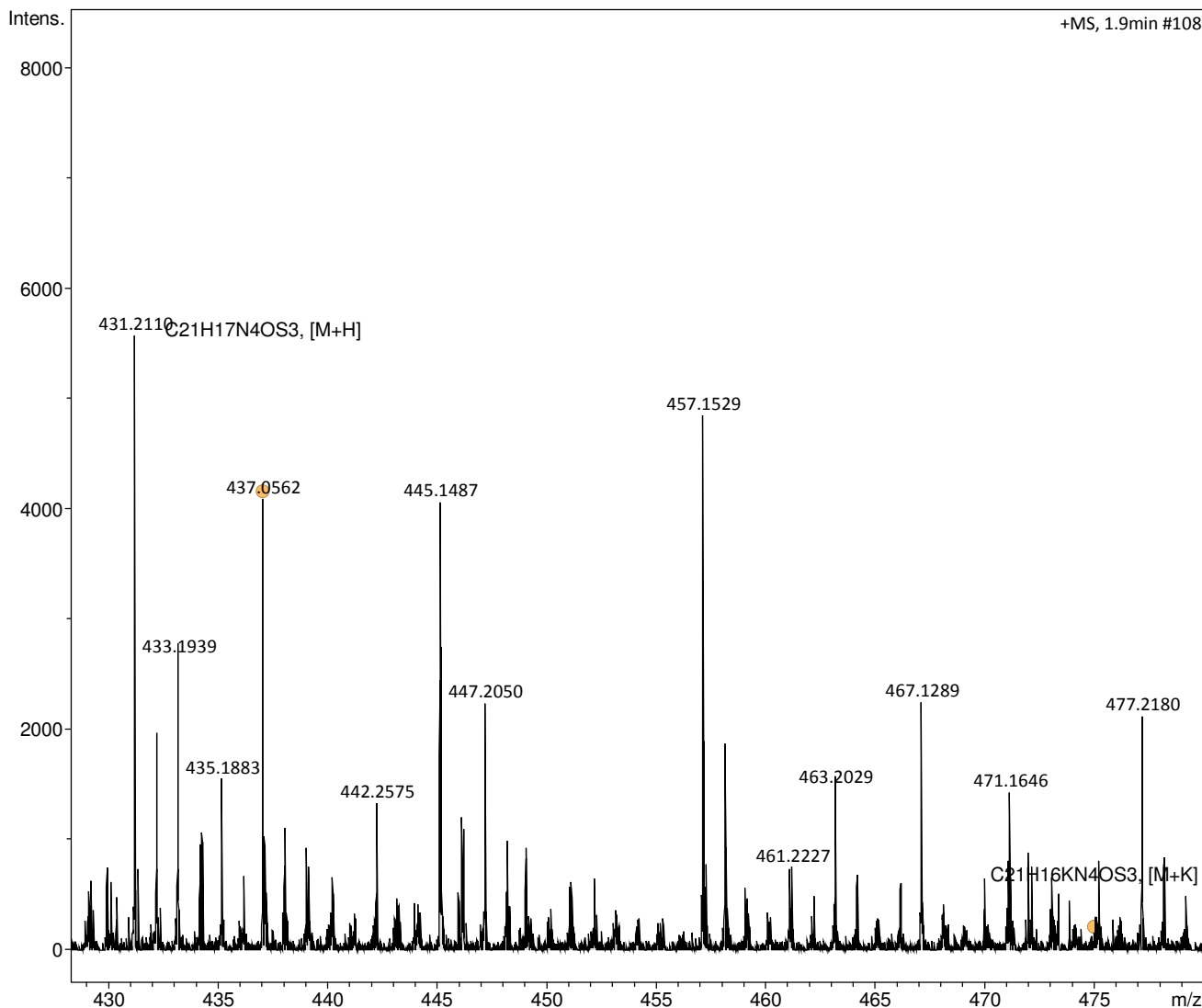
Analysis Info

Analysis Name D:\Data\2024\AUG\SPPU COLLEGE\S. P. COLLEGE\PROF. PRAVIN MHASKE\SG17_RA1_01_7858.d
 Method dlc_ms20-1200mz_10min_0.120ml flow_90b_july 2024.m Analyst : Nitin S. Kadam CIF
 Sample Name SG17 Instrument impact HD 1819696.00184

Acquisition Date 8/16/2024 5:56:50 PM

Acquisition Parameter

Source Type	ESI	Ion Polarity	Positive	Set Nebulizer	0.9 Bar
Focus	Active	Set Capillary	4500 V	Set Dry Heater	200 °C
Scan Begin	20 m/z	Set End Plate Offset	-500 V	Set Dry Gas	7.0 l/min
Scan End	1200 m/z	Set Charging Voltage	2000 V	Set Divert Valve	Source
		Set Corona	0 nA	Set APCI Heater	0 °C



Meas. m/z	#	Ion Formula	Score	m/z	err [mDa]	err [ppm]	mSigma	rdb	e ⁻	Conf	N-Rule	Adduct
437.056248	1	C ₂₁ H ₁₇ N ₄ O ₃ S	100.00	437.055901	-0.3	-0.8	26.2	15.5	even		ok	M+H
475.013241	1	C ₂₁ H ₁₆ KN ₄ O ₃ S	100.00	475.011782	-1.5	-3.1	364.5	15.5	even		ok	M+K

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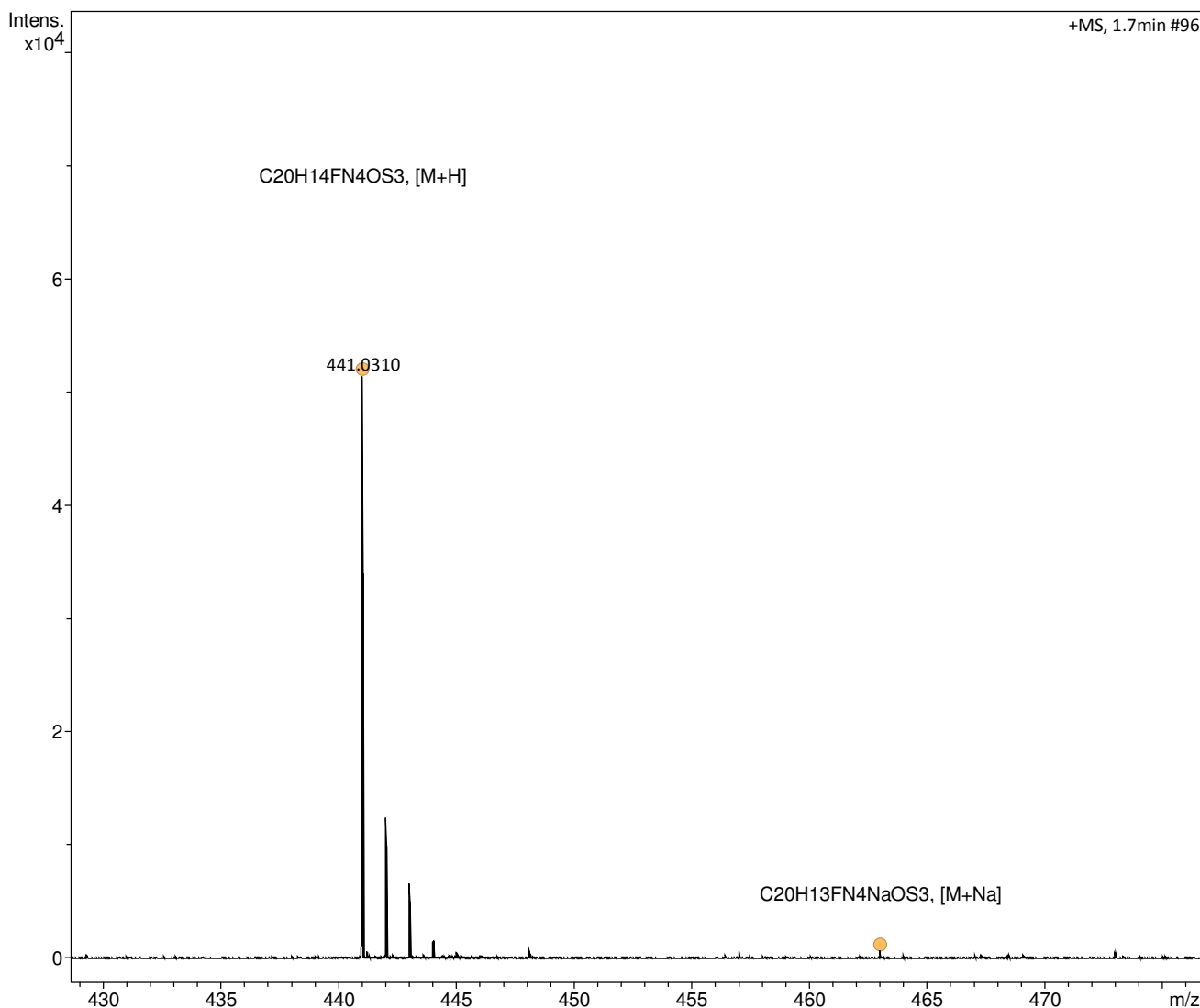
Analysis Info

Analysis Name D:\Data\2024\AUG\SPPU COLLEGE\S. P. COLLEGE\PROF. PRAVIN MHASKE\SG-60_RC2_01_7972.d
 Method dlc_ms20-1200mz_10min_0.120ml flow_90b_july 2024.m Analyst : Nitin S. Kadam CIF
 Sample Name SG-60 Instrument impact HD 1819696.00184

Acquisition Date 8/31/2024 6:55:50 PM

Acquisition Parameter

Source Type	ESI	Ion Polarity	Positive	Set Nebulizer	0.9 Bar
Focus	Active	Set Capillary	4500 V	Set Dry Heater	200 °C
Scan Begin	20 m/z	Set End Plate Offset	-500 V	Set Dry Gas	7.0 l/min
Scan End	1200 m/z	Set Charging Voltage	2000 V	Set Divert Valve	Source
		Set Corona	0 nA	Set APCI Heater	0 °C



Meas. m/z	#	Ion Formula	Score	m/z	err [mDa]	err [ppm]	mSigma	rdb	e ⁻	Conf	N-Rule	Adduct
441.031020	1	C ₂₀ H ₁₄ FN ₄ OS ₃	100.00	441.030829	-0.2	-0.4	19.4	15.5	even		ok	M+H
463.012543	1	C ₂₀ H ₁₃ FN ₄ NaOS ₃	100.00	463.012773	0.2	0.5	81.6	15.5	even		ok	M+Na

HRMS of 7d (ESI) m/z calcd for C₂₁H₁₆N₄O₂S₃ [M+H]⁺, 452.57; found, 453.05.

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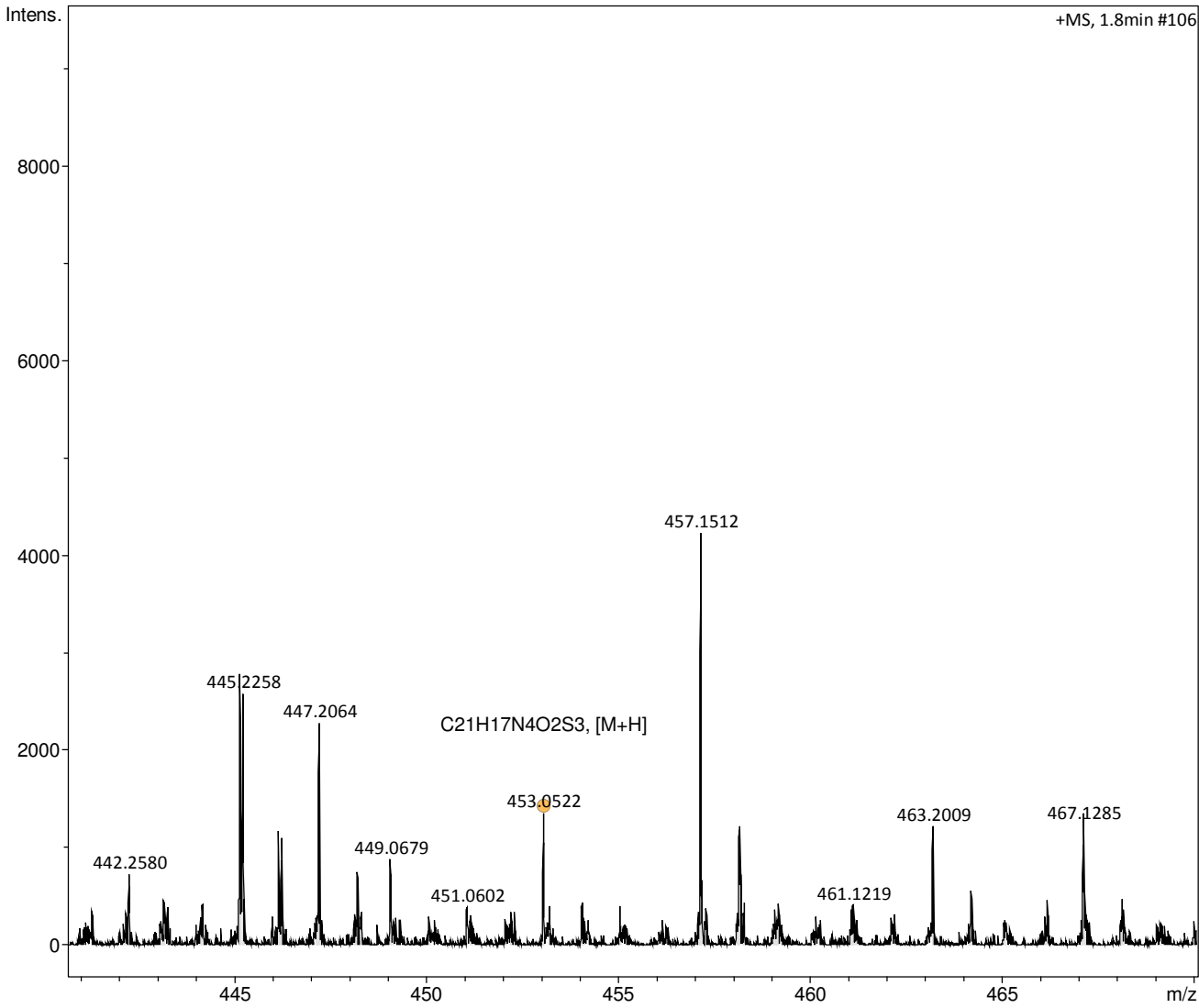
Analysis Info

Analysis Name D:\Data\2024\AUG\SPPU COLLEGE\S. P. COLLEGE\PROF. PRAVIN MHASKE\SG19_RA4_01_7861.d
 Method dlc_ms20-1200mz_10min_0.120ml flow_90b_july 2024.m Analyst : Nitin S. Kadam CIF
 Sample Name SG19 Instrument impact HD 1819696.00184

Acquisition Date 8/16/2024 6:28:52 PM

Acquisition Parameter

Source Type	ESI	Ion Polarity	Positive	Set Nebulizer	0.9 Bar
Focus	Active	Set Capillary	4500 V	Set Dry Heater	200 °C
Scan Begin	20 m/z	Set End Plate Offset	-500 V	Set Dry Gas	7.0 l/min
Scan End	1200 m/z	Set Charging Voltage	2000 V	Set Divert Valve	Source
		Set Corona	0 nA	Set APCI Heater	0 °C



Meas. m/z	#	Ion Formula	Score	m/z	err [mDa]	err [ppm]	mSigma	rdb	e ⁻	Conf	N-Rule	Adduct
453.05229	1	C ₂₁ H ₁₇ N ₄ O ₂ S ₃	100.00	453.050815	-1.4	-3.1	63.3	15.5	even		ok	M+H

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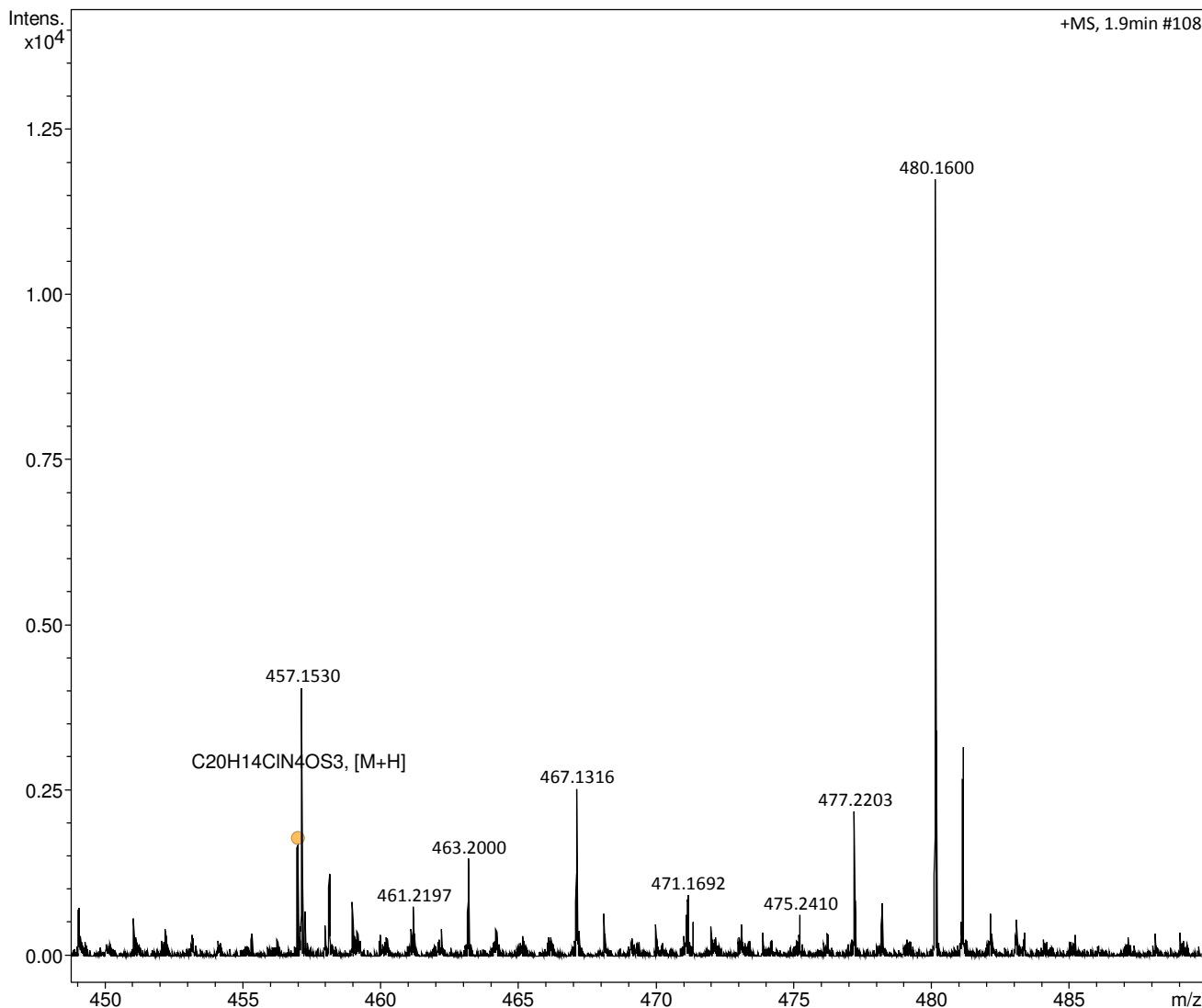
Analysis Info

Analysis Name D:\Data\2024\AUG\SPPU COLLEGE\S. P. COLLEGE\PROF. PRAVIN MHASKE\SG23_RA2_01_7859.d
 Method dlc_ms20-1200mz_10min_0.120ml flow_90b_july 2024.m Analyst : Nitin S. Kadam CIF
 Sample Name SG23 Instrument impact HD 1819696.00184

Acquisition Date 8/16/2024 6:07:30 PM

Acquisition Parameter

Source Type	ESI	Ion Polarity	Positive	Set Nebulizer	0.9 Bar
Focus	Active	Set Capillary	4500 V	Set Dry Heater	200 °C
Scan Begin	20 m/z	Set End Plate Offset	-500 V	Set Dry Gas	7.0 l/min
Scan End	1200 m/z	Set Charging Voltage	2000 V	Set Divert Valve	Source
		Set Corona	0 nA	Set APCI Heater	0 °C



Meas. m/z	#	Ion Formula	Score	m/z	err [mDa]	err [ppm]	mSigma	rdb	e ⁻	Conf	N-Rule	Adduct
457.002552	1	C ₂₀ H ₁₄ CIN ₄ OS ₃	100.00	457.001278	-1.3	-2.8	54.6	15.5	even		ok	M+H

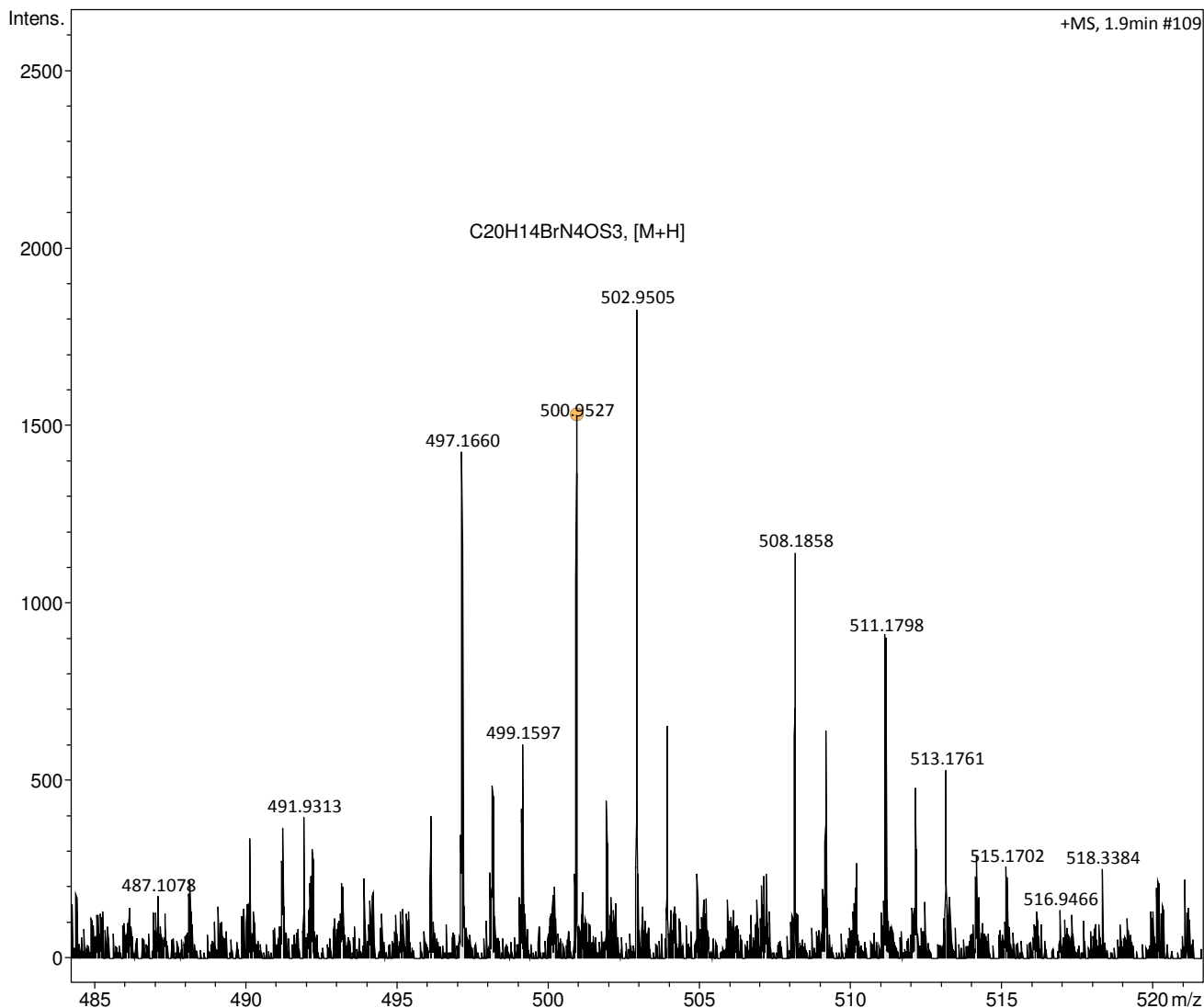
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Analysis Info

Analysis Name D:\Data\2024\AUG\SPPU COLLEGE\S. P. COLLEGE\PROF. PRAVIN MHASKE\SG25_RB4_01_7869.d
 Method dlc_ms20-1200mz_10min_0.120ml flow_90b_july 2024.m Analyst : Nitin S. Kadam CIF
 Sample Name SG25 Instrument impact HD 1819696.00184

Acquisition Parameter

Source Type	ESI	Ion Polarity	Positive	Set Nebulizer	0.9 Bar
Focus	Active	Set Capillary	4500 V	Set Dry Heater	200 °C
Scan Begin	20 m/z	Set End Plate Offset	-500 V	Set Dry Gas	7.0 l/min
Scan End	1200 m/z	Set Charging Voltage	2000 V	Set Divert Valve	Source
		Set Corona	0 nA	Set APCI Heater	0 °C



Meas. m/z	#	Ion Formula	Score	m/z	err [mDa]	err [ppm]	mSigma	rdb	e ⁻	Conf	N-Rule	Adduct
500.952739	1	C ₂₀ H ₁₄ BrN ₄ OS ₃	100.00	500.950763	-2.0	-3.9	55.2	15.5	even		ok	M+H

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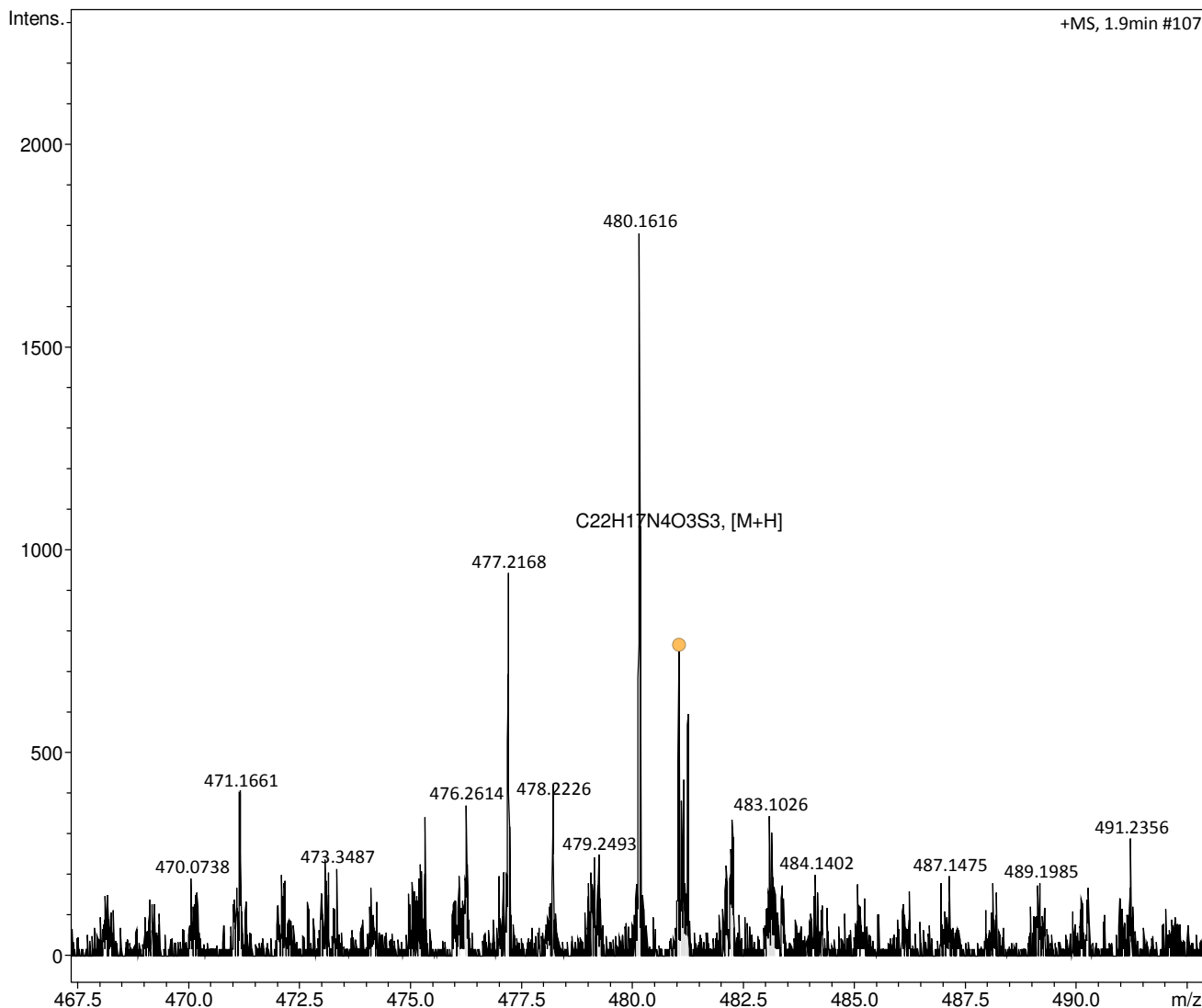
Analysis Info

Analysis Name D:\Data\2024\AUG\SPPU COLLEGE\S. P. COLLEGE\PROF. PRAVIN MHASKE\SG48_RC4_01_7877.d
 Method dlc_ms20-1200mz_10min_0.120ml flow_90b_july 2024.m Analyst : Nitin S. Kadam CIF
 Sample Name SG48 Instrument impact HD 1819696.00184

Acquisition Date 8/16/2024 9:19:35 PM

Acquisition Parameter

Source Type	ESI	Ion Polarity	Positive	Set Nebulizer	0.9 Bar
Focus	Active	Set Capillary	4500 V	Set Dry Heater	200 °C
Scan Begin	20 m/z	Set End Plate Offset	-500 V	Set Dry Gas	7.0 l/min
Scan End	1200 m/z	Set Charging Voltage	2000 V	Set Divert Valve	Source
		Set Corona	0 nA	Set APCI Heater	0 °C



Meas. m/z	#	Ion Formula	Score	m/z	err [mDa]	err [ppm]	mSigma	rdb	e ⁻	Conf	N-Rule	Adduct
481.048586	1	C ₂₂ H ₁₇ N ₄ O ₃ S ₃	100.00	481.045730	-2.9	-5.9	n.a.	16.5	even	ok	M+H	

HRMS of 7h (ESI) m/z calcd for C23H18N4O3S3 [M+H]⁺, 494.60; found, , 495.06.

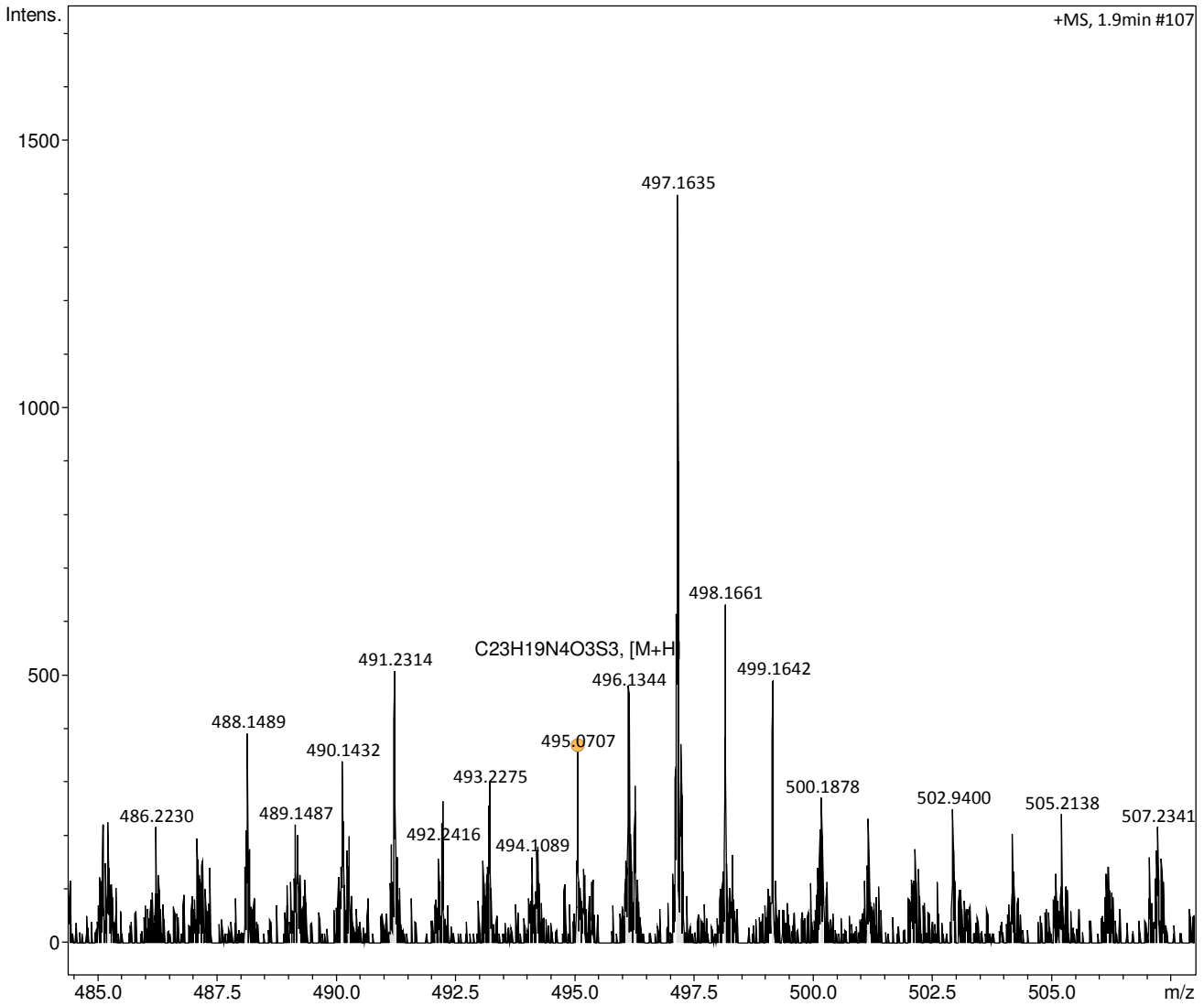
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Analysis Info

Acquisition Date 8/16/2024 7:22:12 PM
Analysis Name D:\Data\2024\AUG\SPPU COLLEGE\S. P. COLLEGE\PROF. PRAVIN MHASKE\SG50_RB1_01_7866.d
Method dlc_ms20-1200mz_10min_0.120ml flow_90b_july 2024.m Analyst : Nitin S. Kadam CIF
Sample Name SG50 Instrument impact HD 1819696.00184

Acquisition Parameter

Source Type	ESI	Ion Polarity	Positive	Set Nebulizer	0.9 Bar
Focus	Active	Set Capillary	4500 V	Set Dry Heater	200 °C
Scan Begin	20 m/z	Set End Plate Offset	-500 V	Set Dry Gas	7.0 l/min
Scan End	1200 m/z	Set Charging Voltage	2000 V	Set Divert Valve	Source
		Set Corona	0 nA	Set APCI Heater	0 °C



Meas. m/z	#	Ion Formula	Score	m/z	err [mDa]	err [ppm]	mSigma	rdb	e ⁻	Conf	N-Rule	Adduct
495.070743	1	C23H19N4O3S3	100.00	495.061380	-9.4	-18.9	95.3	16.5	even		ok	M+H

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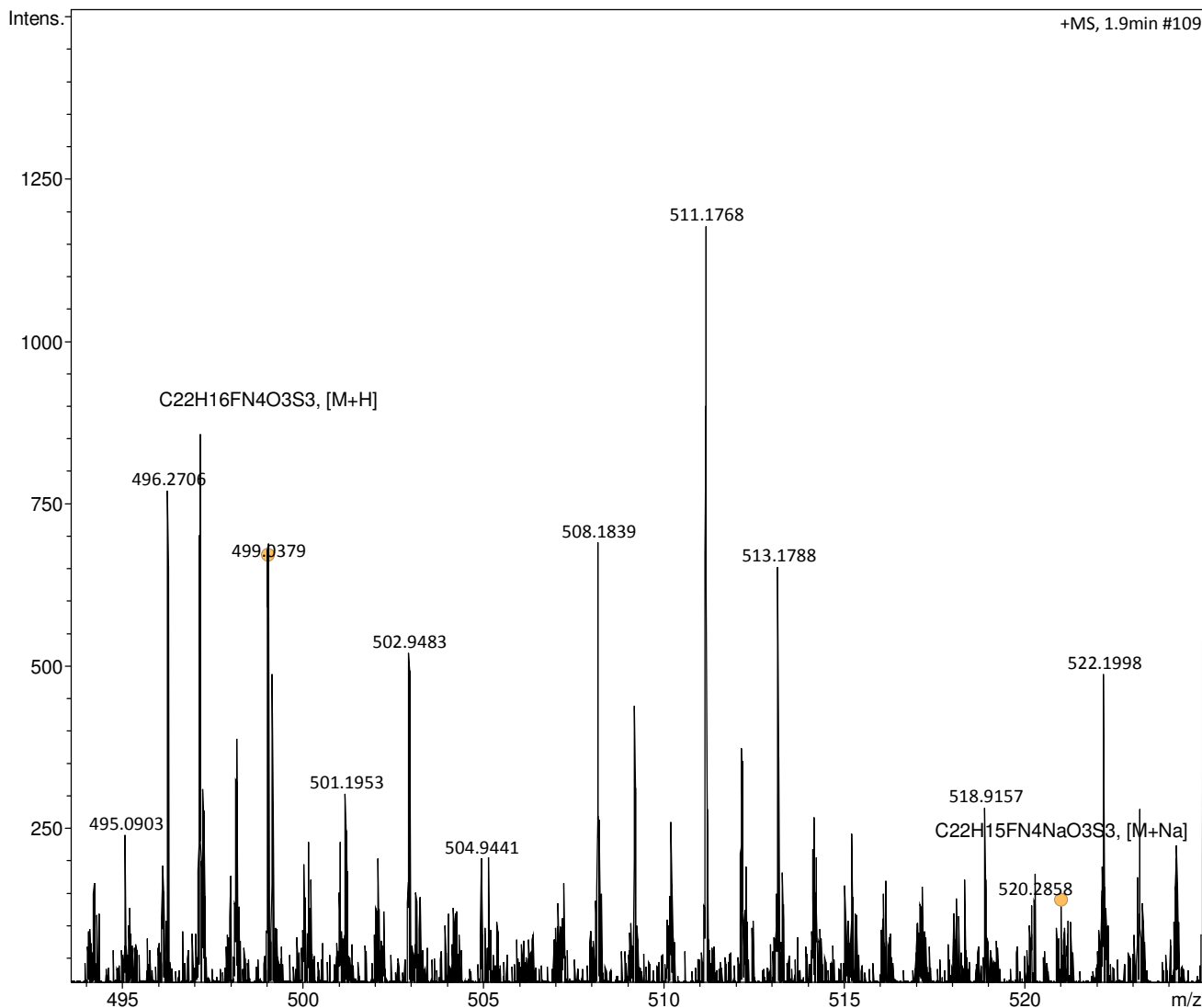
Analysis Info

Analysis Name D:\Data\2024\AUG\SPPU COLLEGE\S. P. COLLEGE\PROF. PRAVIN MHASKE\SG55_RB5_01_7870.d
 Method dlc_ms20-1200mz_10min_0.120ml flow_90b_july 2024.m Analyst : Nitin S. Kadam CIF
 Sample Name SG55 Instrument impact HD 1819696.00184

Acquisition Date 8/16/2024 8:04:51 PM

Acquisition Parameter

Source Type	ESI	Ion Polarity	Positive	Set Nebulizer	0.9 Bar
Focus	Active	Set Capillary	4500 V	Set Dry Heater	200 °C
Scan Begin	20 m/z	Set End Plate Offset	-500 V	Set Dry Gas	7.0 l/min
Scan End	1200 m/z	Set Charging Voltage	2000 V	Set Divert Valve	Source
		Set Corona	0 nA	Set APCI Heater	0 °C



Meas. m/z	#	Ion Formula	Score	m/z	err [mDa]	err [ppm]	mSigma	rdb	e ⁻	Conf	N-Rule	Adduct
499.037945	1	C22H16FN4O3S3	100.00	499.036308	-1.6	-3.3	102.8	16.5	even		ok	M+H
521.017335	1	C22H15FN4NaO3S3	100.00	521.018252	0.9	1.8	466.2	16.5	even		ok	M+Na
	1	C22H15FN4NaO3S3	100.00	521.018252	0.9	1.8	466.2	16.5	even		ok	M+Na

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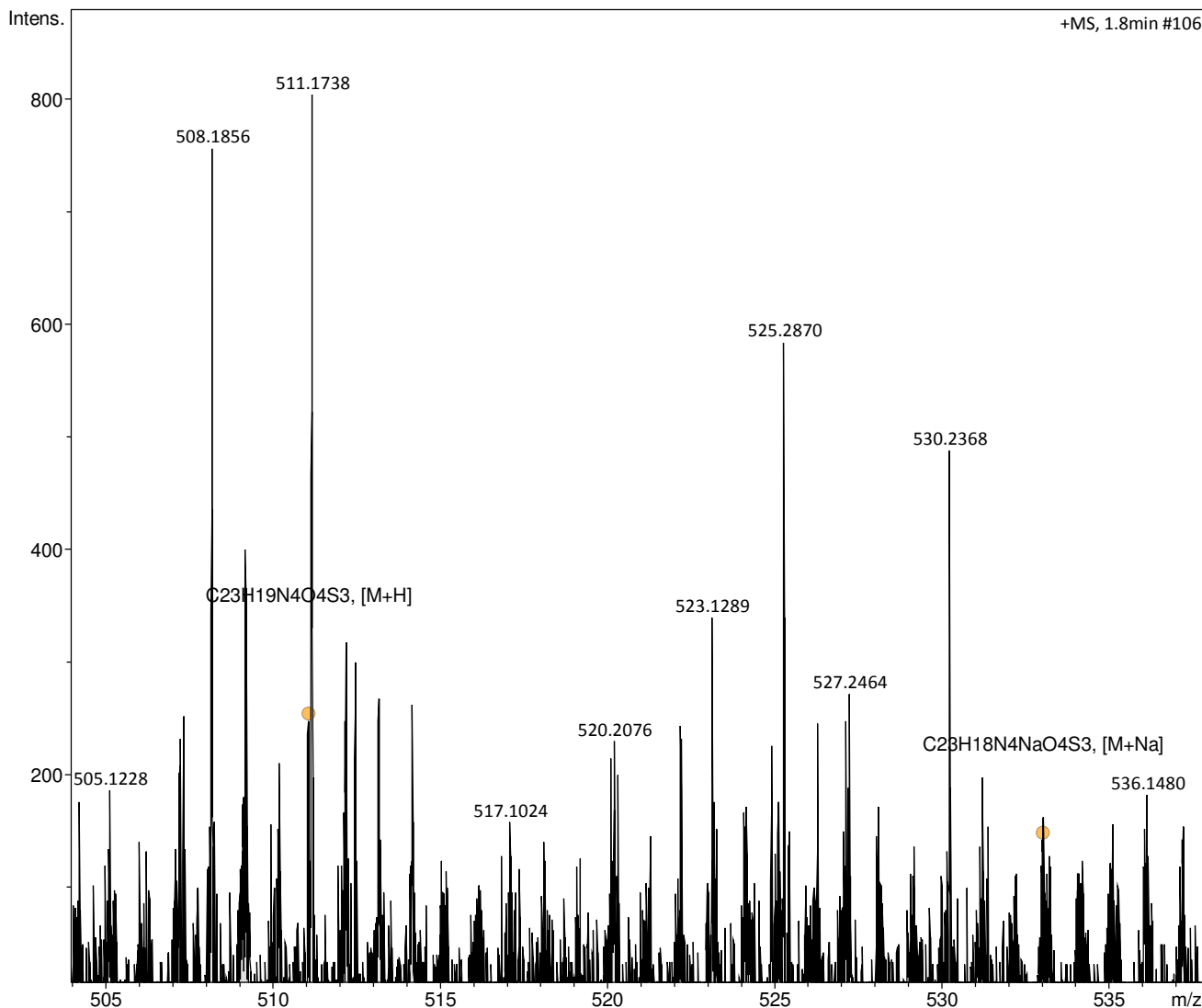
Analysis Info

Analysis Name D:\Data\2024\AUG\SPPU COLLEGE\S. P. COLLEGE\PROF. PRAVIN MHASKE\SG51_RC3_01_7876.d
 Method dlc_ms20-1200mz_10min_0.120ml flow_90b_july 2024.m Analyst : Nitin S. Kadam CIF
 Sample Name SG51 Instrument impact HD 1819696.00184

Acquisition Date 8/16/2024 9:08:54 PM

Acquisition Parameter

Source Type	ESI	Ion Polarity	Positive	Set Nebulizer	0.9 Bar
Focus	Active	Set Capillary	4500 V	Set Dry Heater	200 °C
Scan Begin	20 m/z	Set End Plate Offset	-500 V	Set Dry Gas	7.0 l/min
Scan End	1200 m/z	Set Charging Voltage	2000 V	Set Divert Valve	Source
		Set Corona	0 nA	Set APCI Heater	0 °C



Meas. m/z	#	Ion Formula	Score	m/z	err [mDa]	err [ppm]	mSigma	rdb	e ⁻	Conf	N-Rule	Adduct
511.060893	1	C ₂₃ H ₁₉ N ₄ O ₄ S ₃	100.00	511.056295	-4.6	-9.0	120.8	16.5	even	ok	M+H	
533.029607	1	C ₂₃ H ₁₈ N ₄ NaO ₄ S ₃	100.00	533.038239	8.6	16.2	384.1	16.5	even	ok	M+Na	
	1	C ₂₃ H ₁₈ N ₄ NaO ₄ S ₃	100.00	533.038239	8.6	16.2	384.1	16.5	even	ok	M+Na	

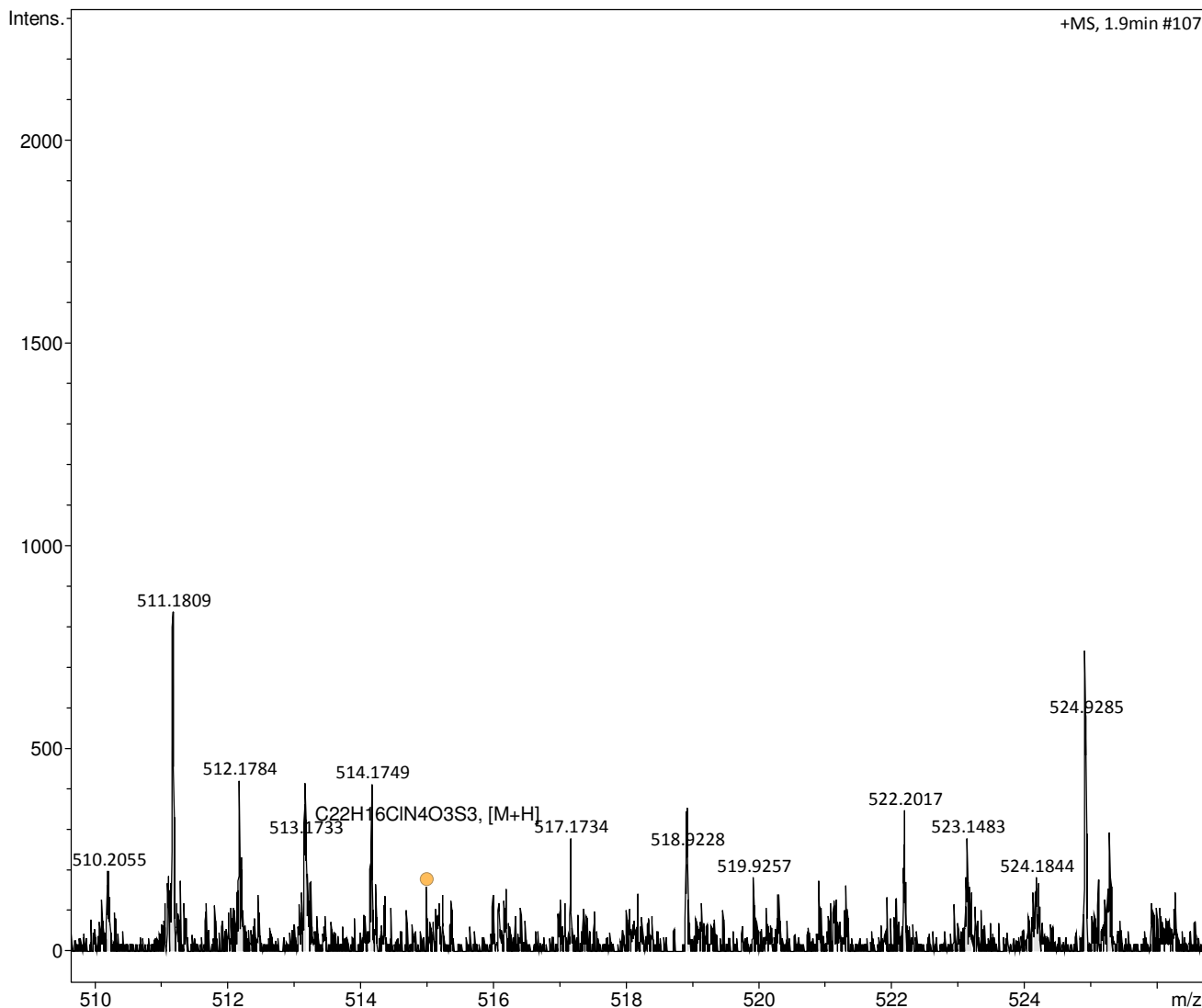
Savitribai Phule Pune University - Central Instrumentation Facility

Analysis Info

Acquisition Date 8/16/2024 8:26:12 PM
 Analysis Name D:\Data\2024\AUG\SPPU COLLEGE\S. P. COLLEGE\PROF. PRAVIN MHASKE\SG49_RB7_01_7872.d
 Method dlc_ms20-1200mz_10min_0.120ml flow_90b_july 2024.m Analyst : Nitin S. Kadam CIF
 Sample Name SG49 Instrument impact HD 1819696.00184

Acquisition Parameter

Source Type	ESI	Ion Polarity	Positive	Set Nebulizer	0.9 Bar
Focus	Active	Set Capillary	4500 V	Set Dry Heater	200 °C
Scan Begin	20 m/z	Set End Plate Offset	-500 V	Set Dry Gas	7.0 l/min
Scan End	1200 m/z	Set Charging Voltage	2000 V	Set Divert Valve	Source
		Set Corona	0 nA	Set APCI Heater	0 °C



Meas. m/z	#	Ion Formula	Score	m/z err [mDa]	err [ppm]	mSigma	rdb	e ⁻	Conf	N-Rule	Adduct
515.002975	1	C22H16CIN4O3S3	100.00	515.006757	3.8	7.3	n.a.	16.5	even	ok	M+H

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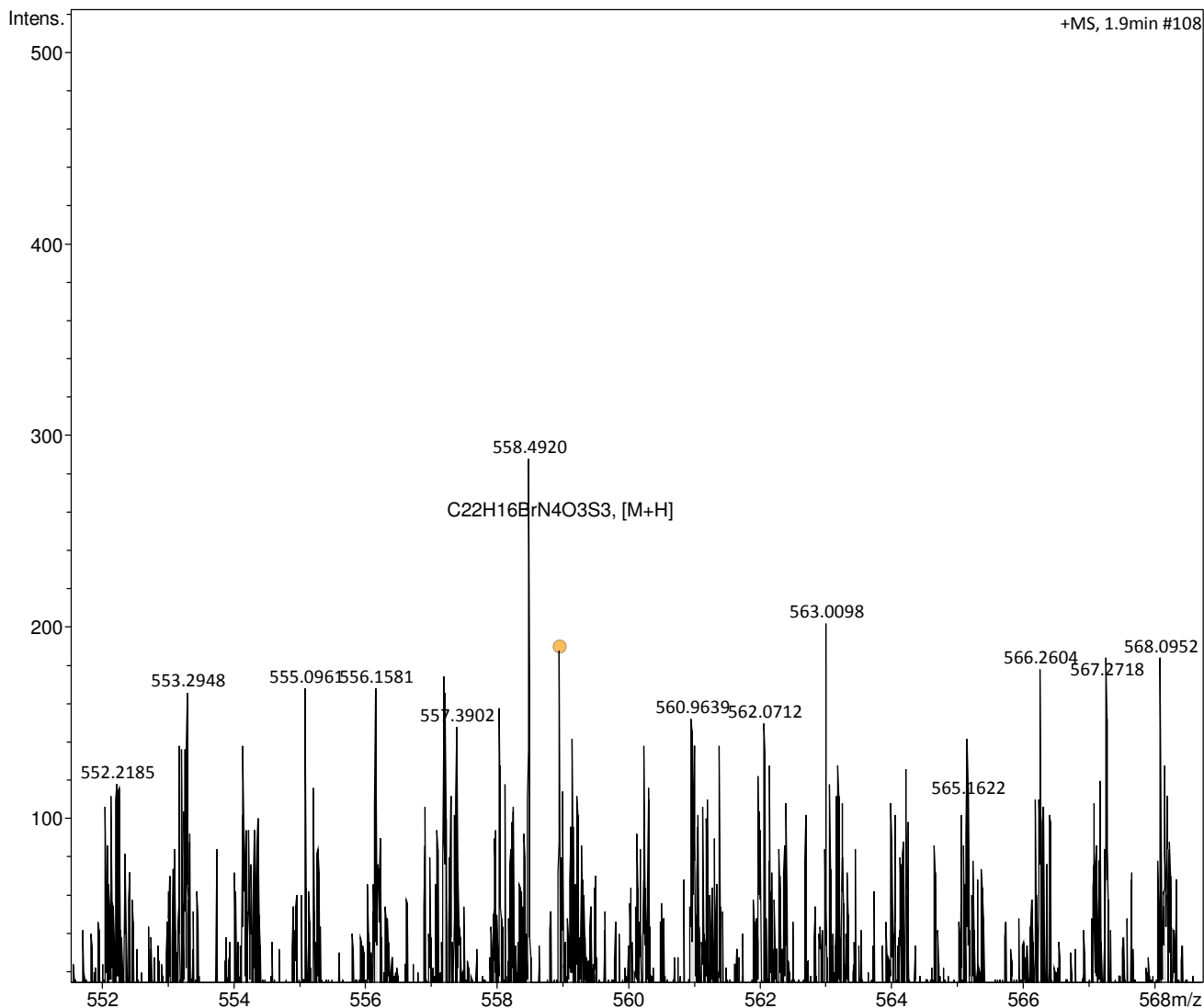
Analysis Info

Analysis Name D:\Data\2024\AUG\SPPU COLLEGE\S. P. COLLEGE\PROF. PRAVIN MHASKE\SG52_RA6_01_7863.d
 Method dlc_ms20-1200mz_10min_0.120ml flow_90b_july 2024.m Analyst : Nitin S. Kadam CIF
 Sample Name SG52 Instrument impact HD 1819696.00184

Acquisition Date 8/16/2024 6:50:12 PM

Acquisition Parameter

Source Type	ESI	Ion Polarity	Positive	Set Nebulizer	0.9 Bar
Focus	Active	Set Capillary	4500 V	Set Dry Heater	200 °C
Scan Begin	20 m/z	Set End Plate Offset	-500 V	Set Dry Gas	7.0 l/min
Scan End	1200 m/z	Set Charging Voltage	2000 V	Set Divert Valve	Source
		Set Corona	0 nA	Set APCI Heater	0 °C



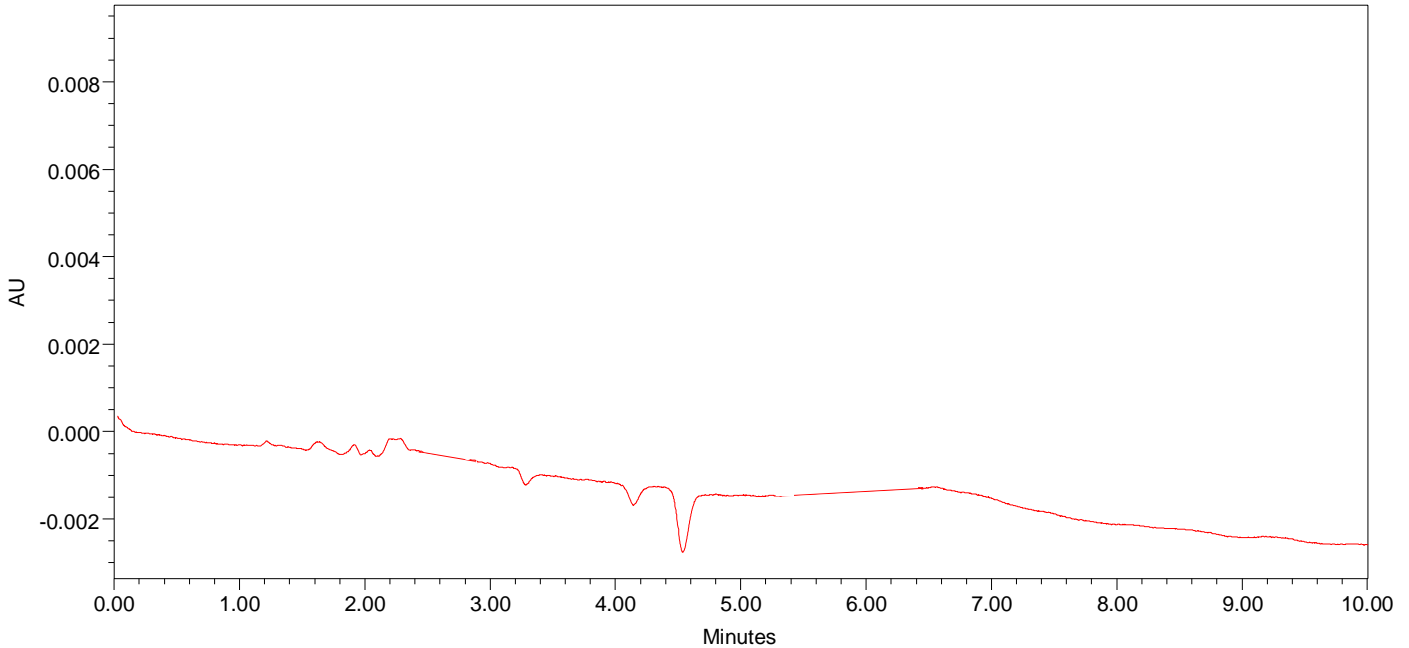
Meas. m/z	#	Ion Formula	Score	m/z	err [mDa]	err [ppm]	mSigma	rdb	e ⁻	Conf	N-Rule	Adduct
558.953197	1	C22H16BrN4O3S3	100.00	558.956242	3.0	5.4	187.4	16.5	even		ok	M+H

HPLC chromatogram of Blank
HPLC chromatogram of 7a

**DEPARTMENT OF PHARMACEUTICAL CHEMISTRY
KLE COLLEGE OF PHARMACY, BELAGAVI**

SAMPLE INFORMATION			
Sample Name:	Blank	Acquired By:	User_1
Sample Type:	Unknown	Sample Set Name:	Trial1_23102024_SS
Vial:	1	Acq. Method Set:	Trial1_23102024_MS
Injection #:	1	Processing Method:	Blank Processing
Injection Volume:	10.00 ul	Channel Name:	223.0nm
Run Time:	10.0 Minutes	Proc. Chnl. Descr.:	2998 PDA 223.0 nm (2998)
Date Acquired:	23-10-2024 11:03:20 AM IST		
Date Processed:	25-10-2024 09:50:17 AM IST		

Auto-Scaled Chromatogram



Peak Results

Name	RT	Area	% Area

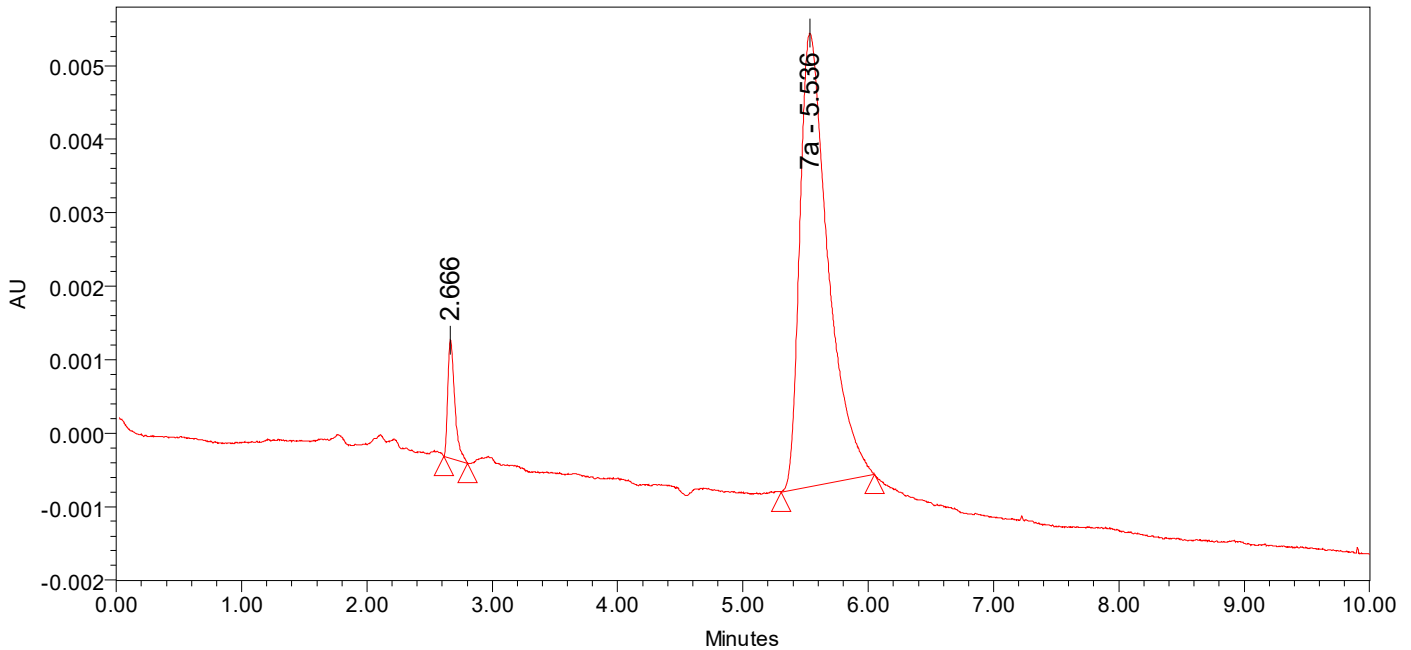
HPLC chromatogram of 7a

**DEPARTMENT OF PHARMACEUTICAL CHEMISTRY
KLE COLLEGE OF PHARMACY, BELAGAVI**

SAMPLE INFORMATION

Sample Name:	7a	Acquired By:	User_1
Sample Type:	Unknown	Sample Set Name:	Trial1_23102024_SS
Vial:	2	Acq. Method Set:	Trial1_23102024_MS
Injection #:	1	Processing Method:	7a Processing
Injection Volume:	10.00 ul	Channel Name:	223.0nm@2
Run Time:	10.0 Minutes	Proc. Chnl. Descr.:	2998 PDA 223.0 nm (2998)
Date Acquired: 23-10-2024 11:14:02 AM IST			
Date Processed: 23-10-2024 02:01:01 PM IST			

Auto-Scaled Chromatogram



Peak Results

	Name	RT	Area	% Area
1		2.666	6166	6.01
2	7a	5.536	96359	93.99

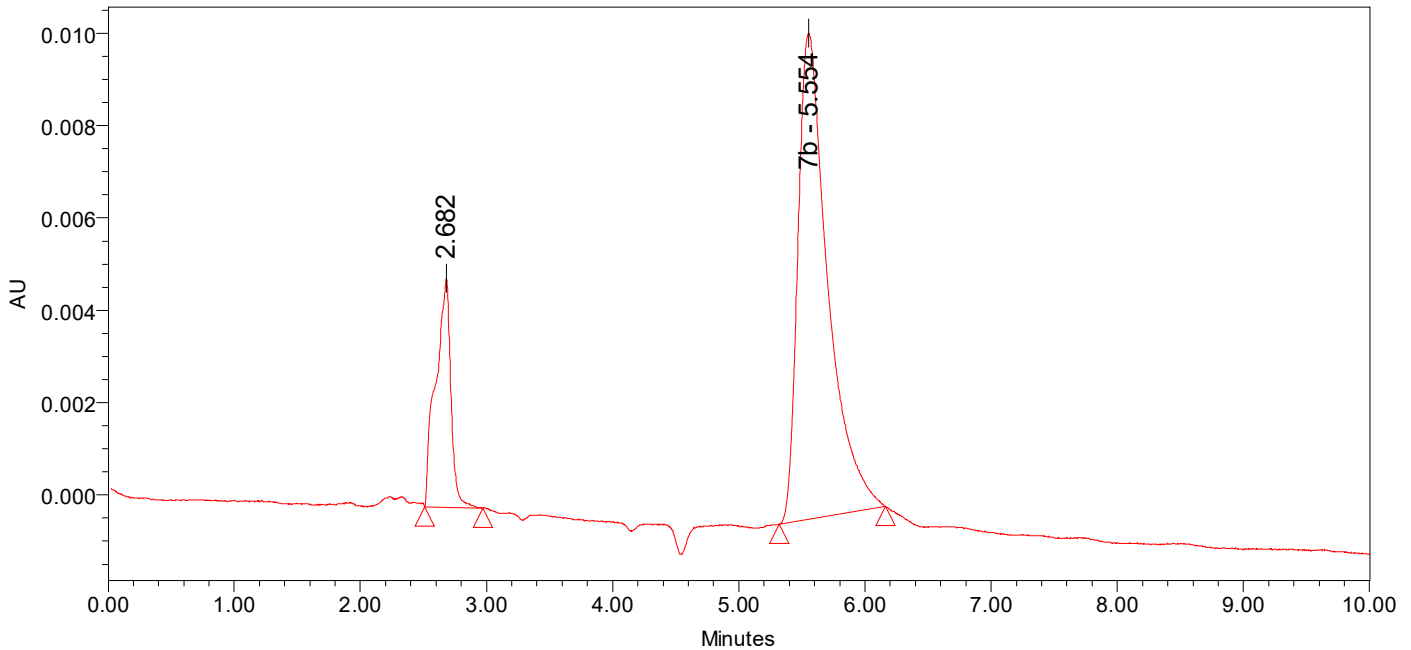
HPLC chromatogram of 7b

**DEPARTMENT OF PHARMACEUTICAL CHEMISTRY
KLE COLLEGE OF PHARMACY, BELAGAVI**

SAMPLE INFORMATION

Sample Name:	7b	Acquired By:	User_1
Sample Type:	Unknown	Sample Set Name:	Trial1_23102024_SS
Vial:	3	Acq. Method Set:	Trial1_23102024_MS
Injection #:	1	Processing Method:	7b Processing
Injection Volume:	10.00 ul	Channel Name:	223.0nm
Run Time:	10.0 Minutes	Proc. Chnl. Descr.:	2998 PDA 223.0 nm (2998)
Date Acquired:	23-10-2024 11:24:41 AM IST		
Date Processed:	24-10-2024 09:04:13 AM IST		

Auto-Scaled Chromatogram



Peak Results

	Name	RT	Area	% Area
1		2.682	41639	19.30
2	7b	5.554	174055	80.70

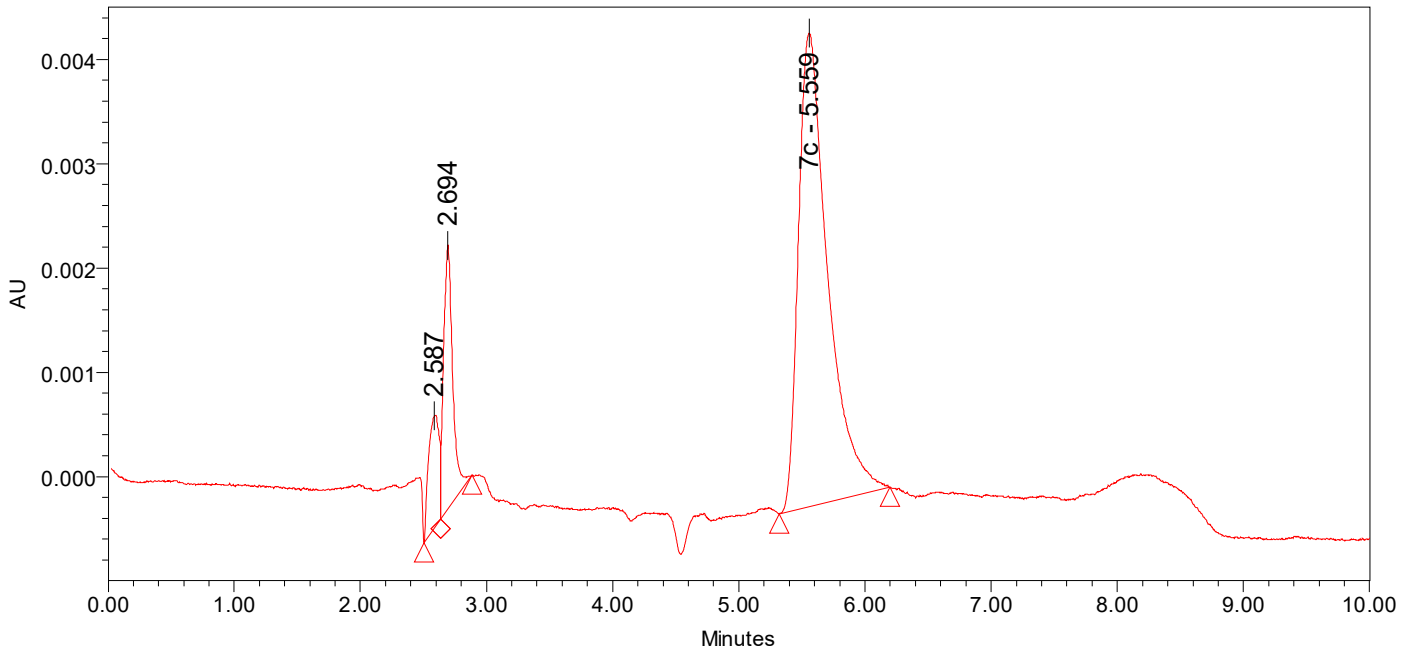
HPLC chromatogram of 7c

**DEPARTMENT OF PHARMACEUTICAL CHEMISTRY
KLE COLLEGE OF PHARMACY, BELAGAVI**

SAMPLE INFORMATION

Sample Name:	7c	Acquired By:	User_1
Sample Type:	Unknown	Sample Set Name:	Trial1_23102024_SS
Vial:	4	Acq. Method Set:	Trial1_23102024_MS
Injection #:	1	Processing Method:	7c Processing
Injection Volume:	10.00 ul	Channel Name:	232.0nm
Run Time:	10.0 Minutes	Proc. Chnl. Descr.:	2998 PDA 232.0 nm (2998)
Date Acquired:	23-10-2024 11:35:21 AM IST		
Date Processed:	24-10-2024 09:10:32 AM IST		

Auto-Scaled Chromatogram



Peak Results

Name	RT	Area	% Area
1	2.587	6364	6.85
2	2.694	12714	13.69

Name	RT	Area	% Area
3 7c	5.559	73771	79.45

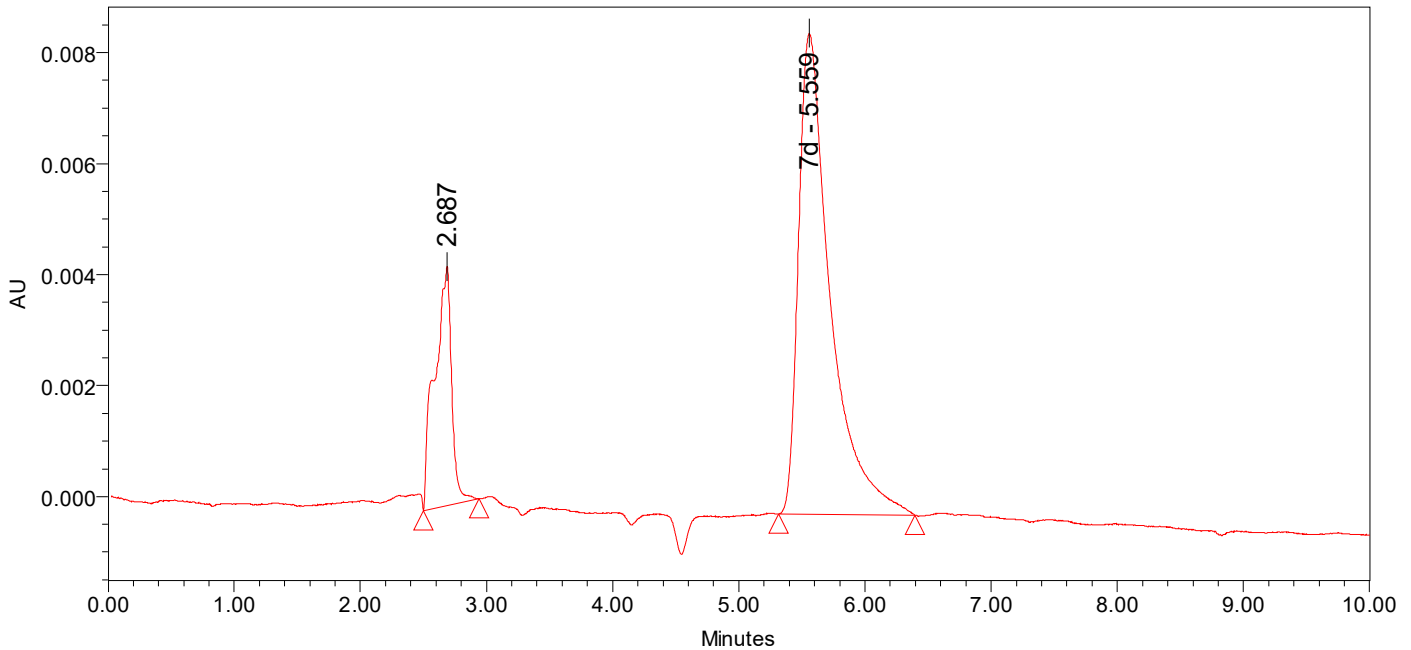
HPLC chromatogram of 7d

**DEPARTMENT OF PHARMACEUTICAL CHEMISTRY
KLE COLLEGE OF PHARMACY, BELAGAVI**

SAMPLE INFORMATION

Sample Name:	7d	Acquired By:	User_1
Sample Type:	Unknown	Sample Set Name:	Trial1_23102024_SS
Vial:	5	Acq. Method Set:	Trial1_23102024_MS
Injection #:	1	Processing Method:	7d Processing
Injection Volume:	10.00 ul	Channel Name:	223.5nm
Run Time:	10.0 Minutes	Proc. Chnl. Descr.:	2998 PDA 223.5 nm (2998)
Date Acquired:	23-10-2024 11:46:05 AM IST		
Date Processed:	25-10-2024 09:16:27 AM IST		

Auto-Scaled Chromatogram



Peak Results

	Name	RT	Area	% Area
1		2.687	40146	20.91
2	7d	5.559	151855	79.09

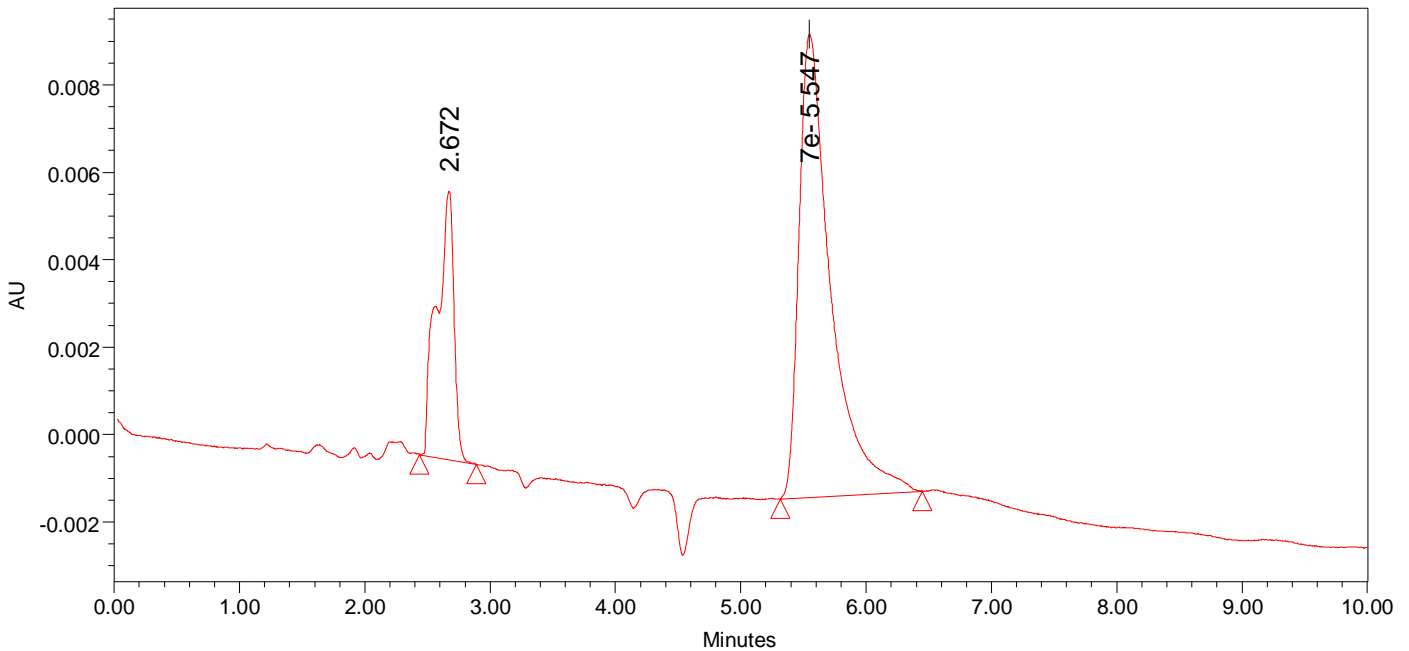
HPLC chromatogram of 7e

**DEPARTMENT OF PHARMACEUTICAL CHEMISTRY
KLE COLLEGE OF PHARMACY, BELAGAVI**

SAMPLE INFORMATION

Sample Name:	7e	Acquired By:	User_1
Sample Type:	Unknown	Sample Set Name:	Trial1_23102024_SS
Vial:	1	Acq. Method Set:	Trial1_23102024_MS
Injection #:	1	Processing Method:	7e Processing
Injection Volume:	10.00 ul	Channel Name:	223.0nm
Run Time:	10.0 Minutes	Proc. Chnl. Descr.:	2998 PDA 223.0 nm (2998)
Date Acquired:	23-10-2024 11:56:45 AM IST		
Date Processed:	25-10-2024 09:59:15 AM IST		

Auto-Scaled Chromatogram



Peak Results

	Name	RT	Area	% Area
1		2.672	58185	23.73
2	7e	5.547	187038	76.27

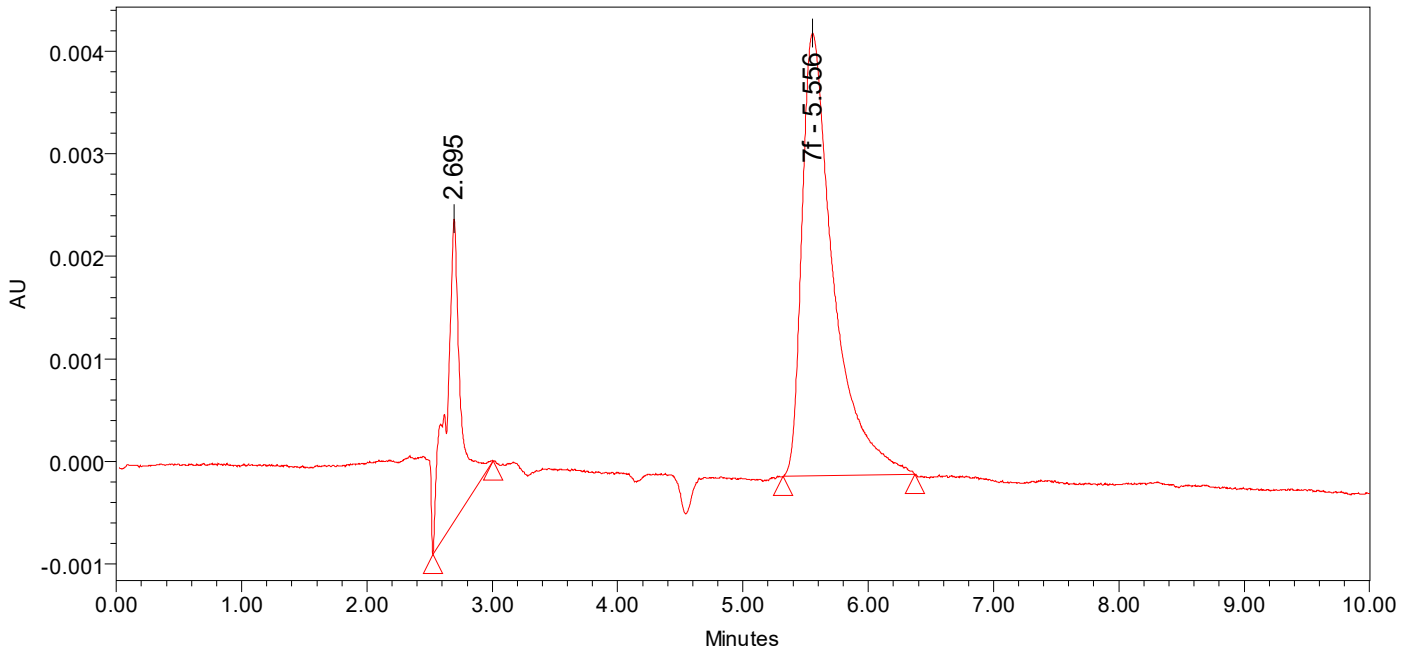
HPLC chromatogram of 7f

**DEPARTMENT OF PHARMACEUTICAL CHEMISTRY
KLE COLLEGE OF PHARMACY, BELAGAVI**

SAMPLE INFORMATION

Sample Name:	7f	Acquired By:	User_1
Sample Type:	Unknown	Sample Set Name:	Trial1_23102024_SS
Vial:	7	Acq. Method Set:	Trial1_23102024_MS
Injection #:	1	Processing Method:	7f processing
Injection Volume:	10.00 ul	Channel Name:	232.0nm
Run Time:	10.0 Minutes	Proc. Chnl. Descr.:	2998 PDA 232.0 nm (2998)
Date Acquired: 23-10-2024 12:07:26 PM IST			
Date Processed: 24-10-2024 09:58:47 AM IST			

Auto-Scaled Chromatogram



Peak Results

	Name	RT	Area	% Area
1		2.695	23818	24.05
2	7f	5.556	75212	75.95

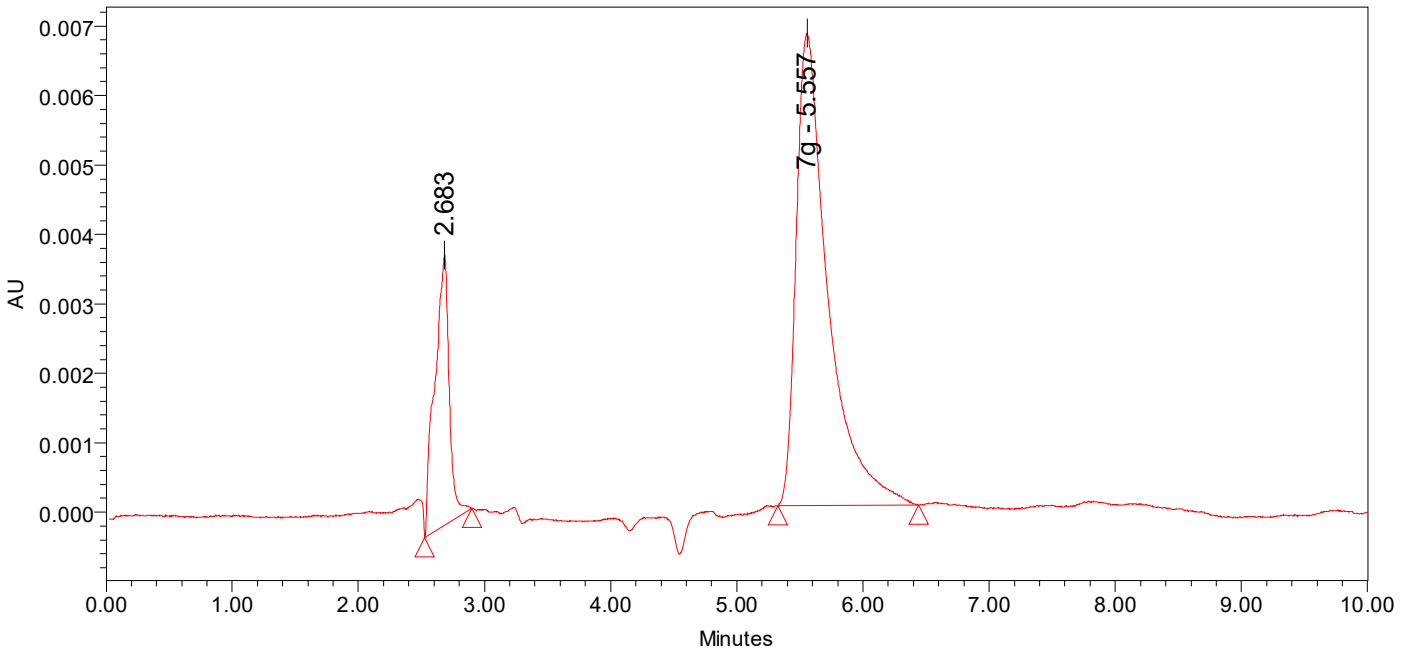
HPLC chromatogram of 7g

**DEPARTMENT OF PHARMACEUTICAL CHEMISTRY
KLE COLLEGE OF PHARMACY, BELAGAVI**

SAMPLE INFORMATION

Sample Name:	7g	Acquired By:	User_1
Sample Type:	Unknown	Sample Set Name:	Trial1_23102024_SS
Vial:	8	Acq. Method Set:	Trial1_23102024_MS
Injection #:	1	Processing Method:	7g processing
Injection Volume:	10.00 ul	Channel Name:	223.0nm
Run Time:	10.0 Minutes	Proc. Chnl. Descr.:	2998 PDA 223.0 nm (2998)
Date Acquired:	23-10-2024 12:18:07 PM IST		
Date Processed:	25-10-2024 09:24:58 AM IST		

Auto-Scaled Chromatogram



Peak Results

	Name	RT	Area	% Area
1		2.683	31120	20.72
2	7g	5.557	119107	79.28

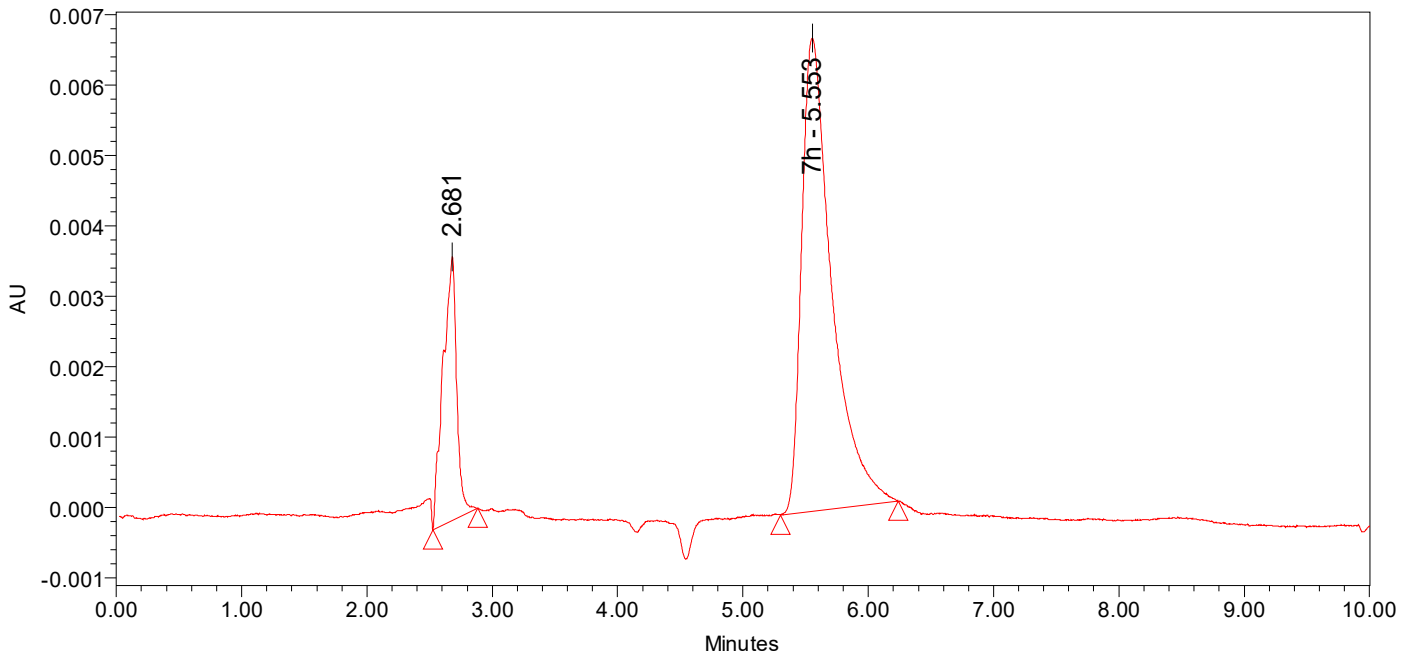
HPLC chromatogram of 7h

**DEPARTMENT OF PHARMACEUTICAL CHEMISTRY
KLE COLLEGE OF PHARMACY, BELAGAVI**

SAMPLE INFORMATION

Sample Name:	7h	Acquired By:	User_1
Sample Type:	Unknown	Sample Set Name:	Trial1_23102024_SS
Vial:	9	Acq. Method Set:	Trial1_23102024_MS
Injection #:	1	Processing Method:	7h Processing
Injection Volume:	10.00 ul	Channel Name:	223.0nm
Run Time:	10.0 Minutes	Proc. Chnl. Descr.:	2998 PDA 223.0 nm (2998)
Date Acquired: 23-10-2024 12:28:47 PM IST			
Date Processed: 25-10-2024 09:27:27 AM IST			

Auto-Scaled Chromatogram



Peak Results

	Name	RT	Area	% Area
1		2.681	28132	20.02
2	7h	5.553	112377	79.98

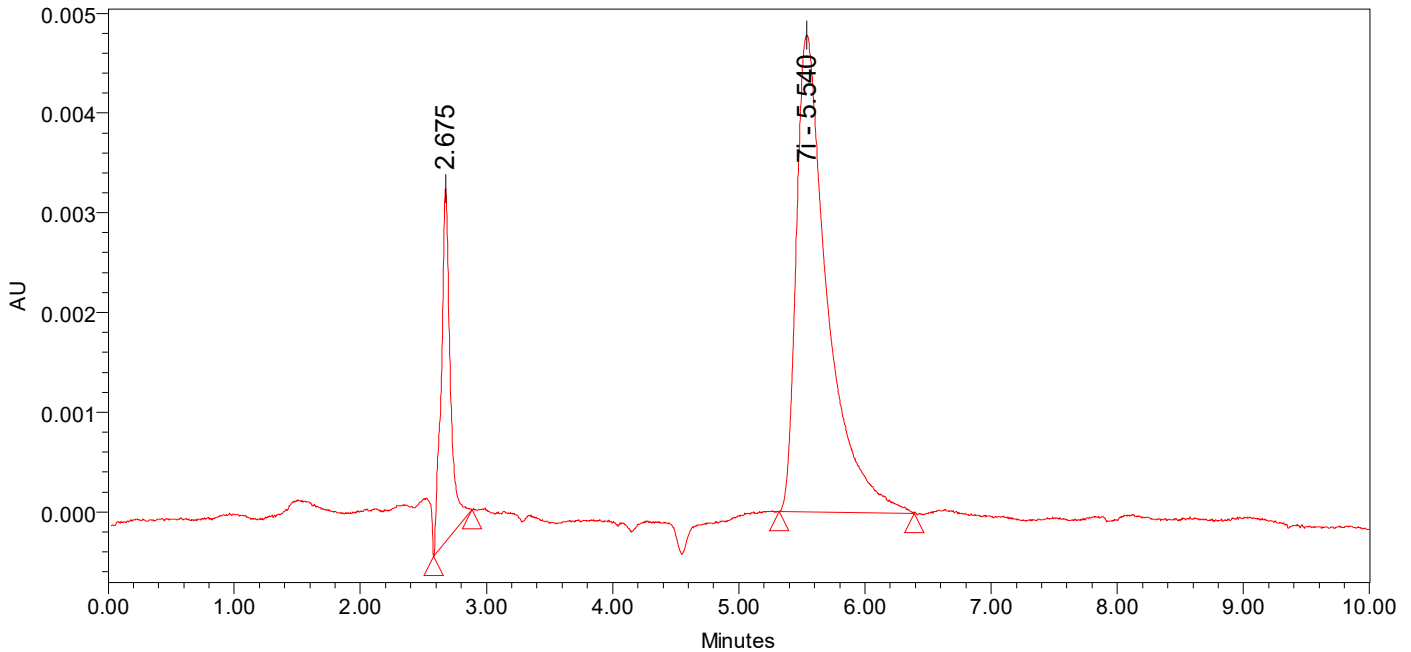
HPLC chromatogram of 7i

**DEPARTMENT OF PHARMACEUTICAL CHEMISTRY
KLE COLLEGE OF PHARMACY, BELAGAVI**

SAMPLE INFORMATION

Sample Name:	7i	Acquired By:	User_1
Sample Type:	Unknown	Sample Set Name:	Trial1_23102024_SS
Vial:	10	Acq. Method Set:	Trial1_23102024_MS
Injection #:	1	Processing Method:	7i Processing
Injection Volume:	10.00 ul	Channel Name:	223.0nm
Run Time:	10.0 Minutes	Proc. Chnl. Descr.:	2998 PDA 223.0 nm (2998)
Date Acquired:	23-10-2024 12:39:28 PM IST		
Date Processed:	25-10-2024 09:35:10 AM IST		

Auto-Scaled Chromatogram



Peak Results

	Name	RT	Area	% Area
1		2.675	17805	17.86
2	7i	5.540	81889	82.14

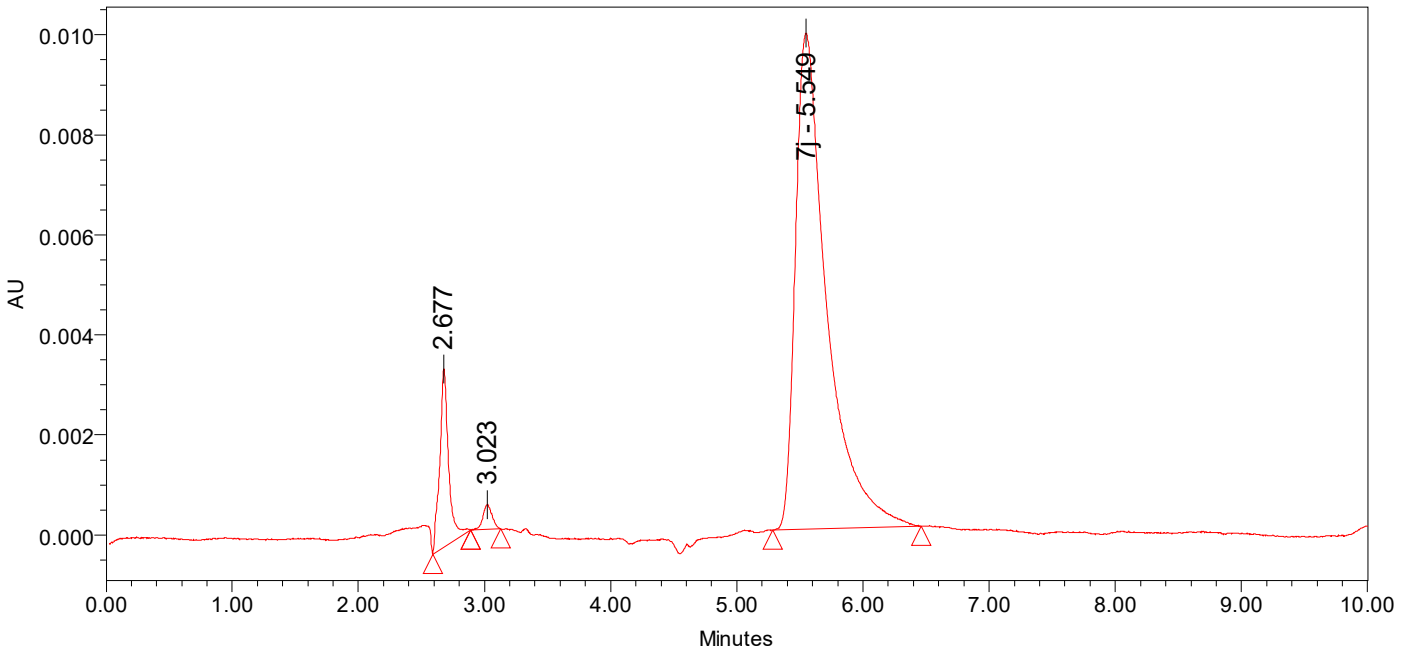
HPLC chromatogram of 7j

**DEPARTMENT OF PHARMACEUTICAL CHEMISTRY
KLE COLLEGE OF PHARMACY, BELAGAVI**

SAMPLE INFORMATION

Sample Name:	7j	Acquired By:	User_1
Sample Type:	Unknown	Sample Set Name:	Trial1_23102024_SS
Vial:	11	Acq. Method Set:	Trial1_23102024_MS
Injection #:	1	Processing Method:	7j
Injection Volume:	10.00 ul	Channel Name:	223.0nm
Run Time:	10.0 Minutes	Proc. Chnl. Descr.:	2998 PDA 223.0 nm (2998)
Date Acquired:	23-10-2024 12:50:09 PM IST		
Date Processed:	25-10-2024 09:56:46 AM IST		

Auto-Scaled Chromatogram



Peak Results

Name	RT	Area	% Area
1	2.677	17499	9.14
2	3.023	2554	1.33

Name	RT	Area	% Area
3 7j	5.549	171486	89.53

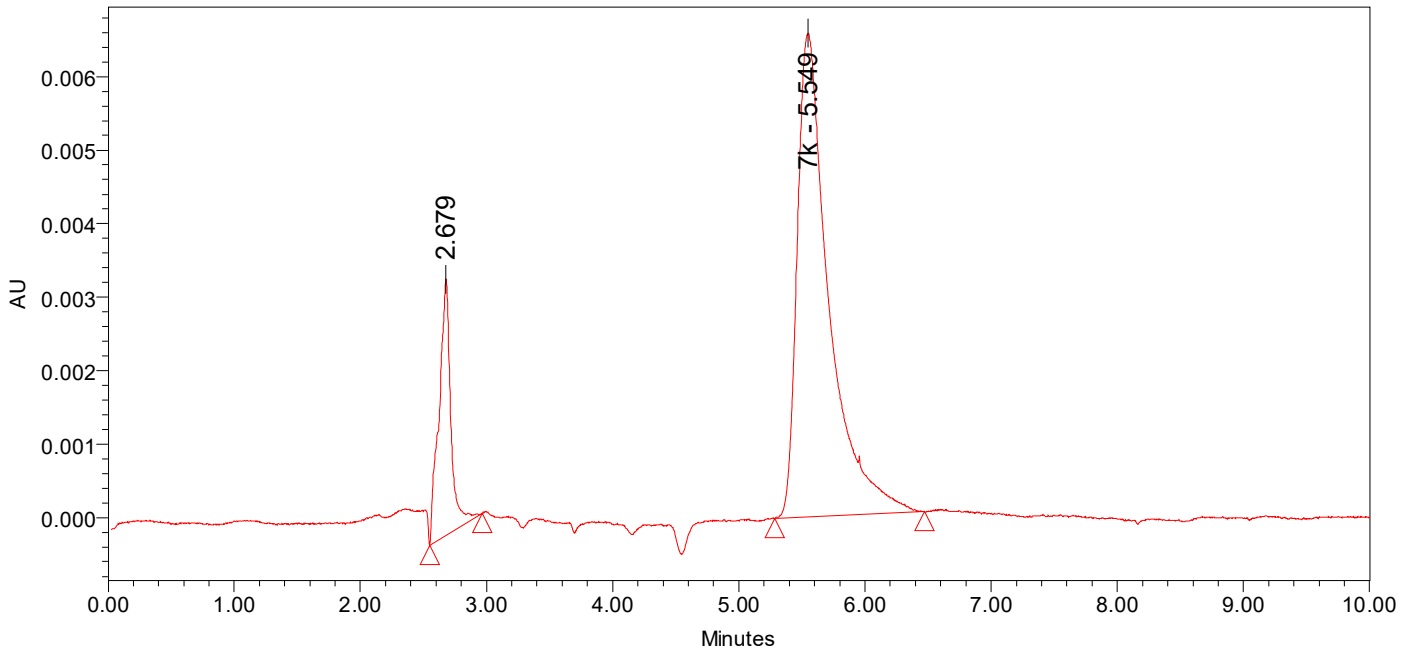
HPLC chromatogram of 7k

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY
KLE COLLEGE OF PHARMACY, BELAGAVI

SAMPLE INFORMATION

Sample Name:	7k	Acquired By:	User_1
Sample Type:	Unknown	Sample Set Name:	Trial1_23102024_SS
Vial:	12	Acq. Method Set:	Trial1_23102024_MS
Injection #:	1	Processing Method:	7k
Injection Volume:	10.00 ul	Channel Name:	223.0nm
Run Time:	10.0 Minutes	Proc. Chnl. Descr.:	2998 PDA 223.0 nm (2998)
Date Acquired: 23-10-2024 01:00:51 PM IST			
Date Processed: 25-10-2024 09:37:41 AM IST			

Auto-Scaled Chromatogram



Peak Results

	Name	RT	Area	% Area
1		2.679	22804	16.55
2	7k	5.549	115001	83.45

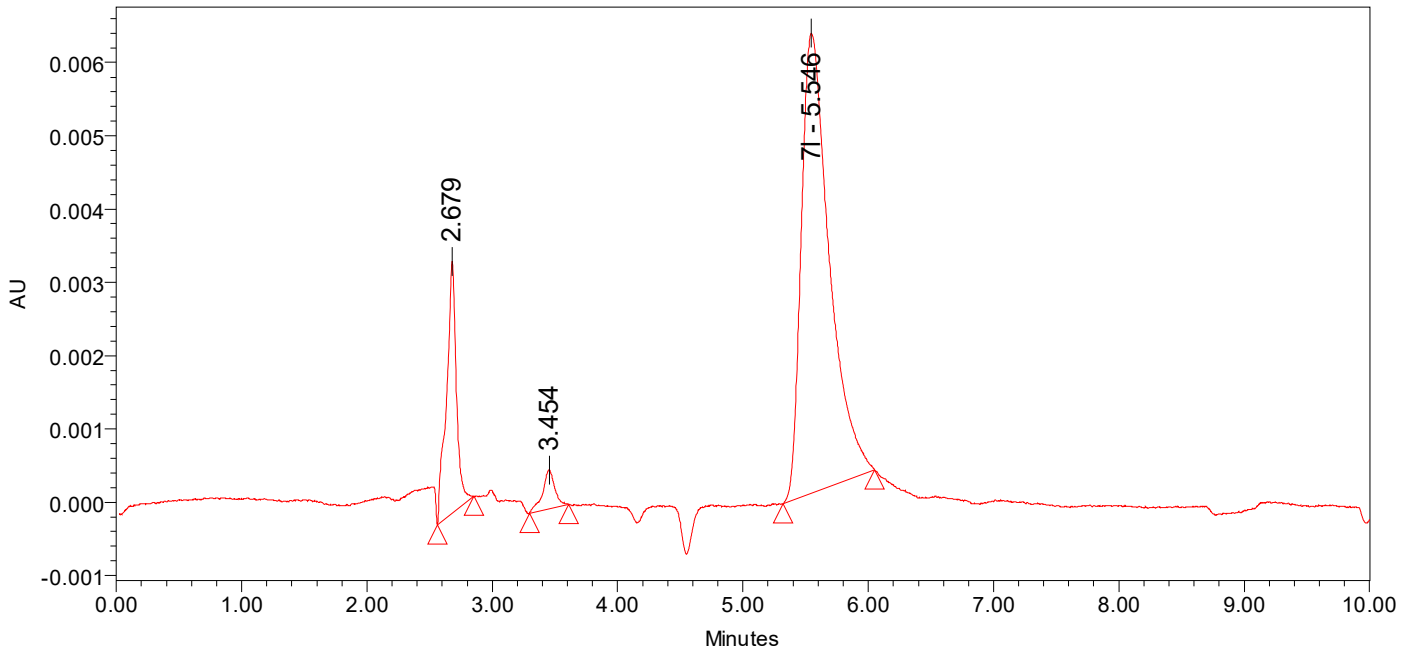
HPLC chromatogram of 7I

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY
KLE COLLEGE OF PHARMACY, BELAGAVI

SAMPLE INFORMATION

Sample Name:	7I	Acquired By:	User_1
Sample Type:	Unknown	Sample Set Name:	Trial1_23102024_SS
Vial:	13	Acq. Method Set:	Trial1_23102024_MS
Injection #:	1	Processing Method:	7I Processing
Injection Volume:	10.00 ul	Channel Name:	223.0nm
Run Time:	10.0 Minutes	Proc. Chnl. Descr.:	2998 PDA 223.0 nm (2998)
Date Acquired:	23-10-2024 01:11:30 PM IST		
Date Processed:	25-10-2024 09:40:36 AM IST		

Auto-Scaled Chromatogram



Peak Results

Name	RT	Area	% Area
1	2.679	18760	15.61
2	3.454	3559	2.96

Name	RT	Area	% Area
3 7I	5.546	97847	81.43