


<b>Name:</b>	<b>5-Methoxy Clofentezine</b>
<b>Lot#:</b>	GR-14-235
<b>Test Date:</b>	03/09/2020 (re-test date: 03/09/2025)
<b>CAS No.:</b>	NA
<b>MF:</b>	C <sub>15</sub> H <sub>10</sub> Cl <sub>2</sub> N <sub>4</sub> O
<b>MW:</b>	333.18
<b>Appearance:</b>	Magenta solid
<b>Purity:</b>	97.8% by HPLC
<b><sup>1</sup>H-NMR:</b>	Conforms
<b>MS-ESI (+)</b>	Conforms (shows peaks at m/z = 333.03, 334.03, 335.03 & 336.03 [M+H] <sup>+</sup> exhibits the expected isotope pattern for dichloro-compounds)
<b>Storage</b>	Long term store at 0 - 5° C in a dry place away from direct sunlight

Approved by:

Date: 03/15/2020



Viorica Rusu, QC/QA Manager

GR-14-235

8.10  
8.08  
7.63  
7.56  
7.53  
7.51  
7.50  
7.24  
7.11  
7.09

3.89

1.54

5-Methoxy Clofentazine  
1H-NMR, 600 MHz  
Solvent: CDCl3  
Lot No.: GR-14-235

1.00

2.01  
3.09

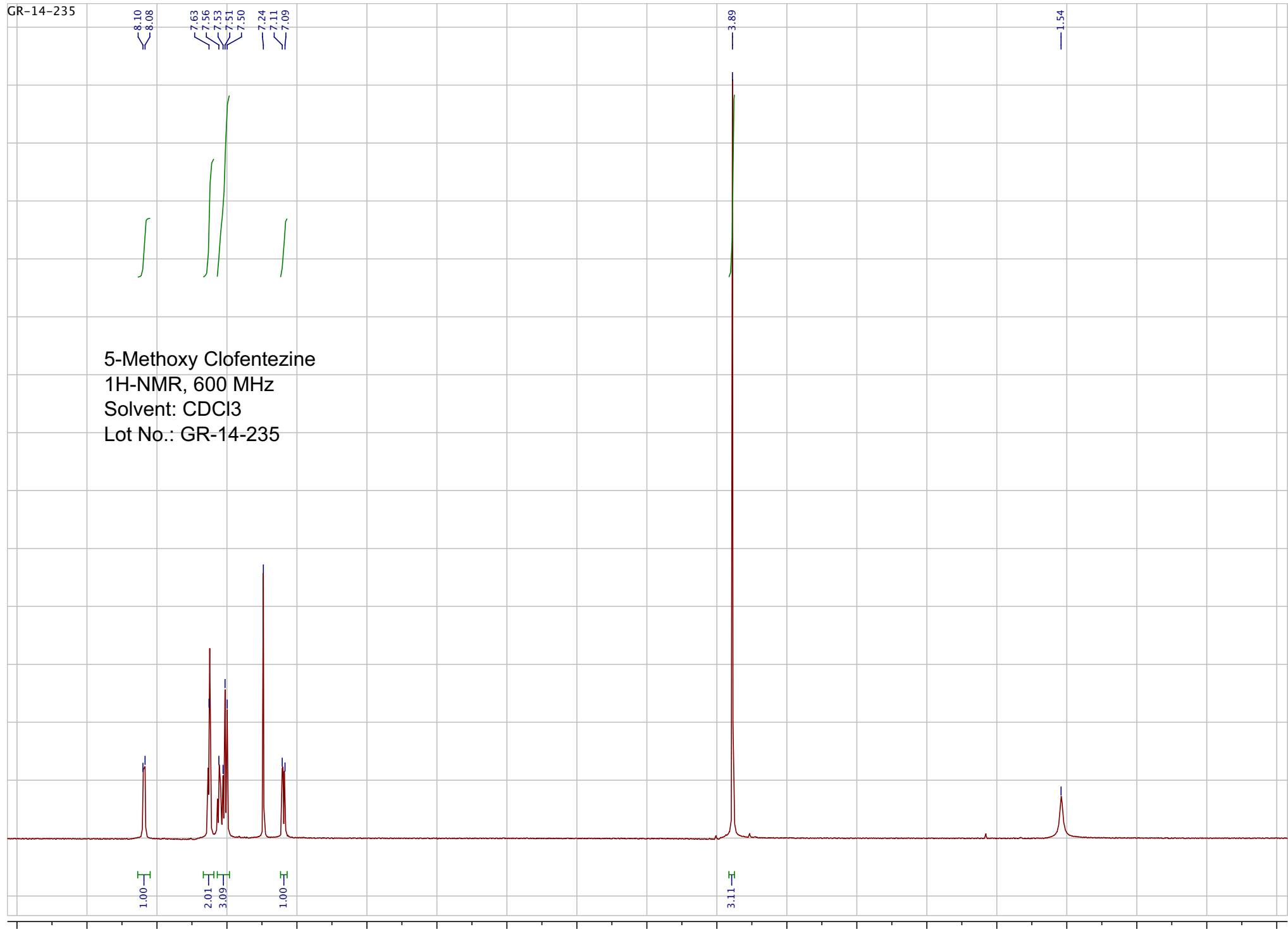
1.00

3.11

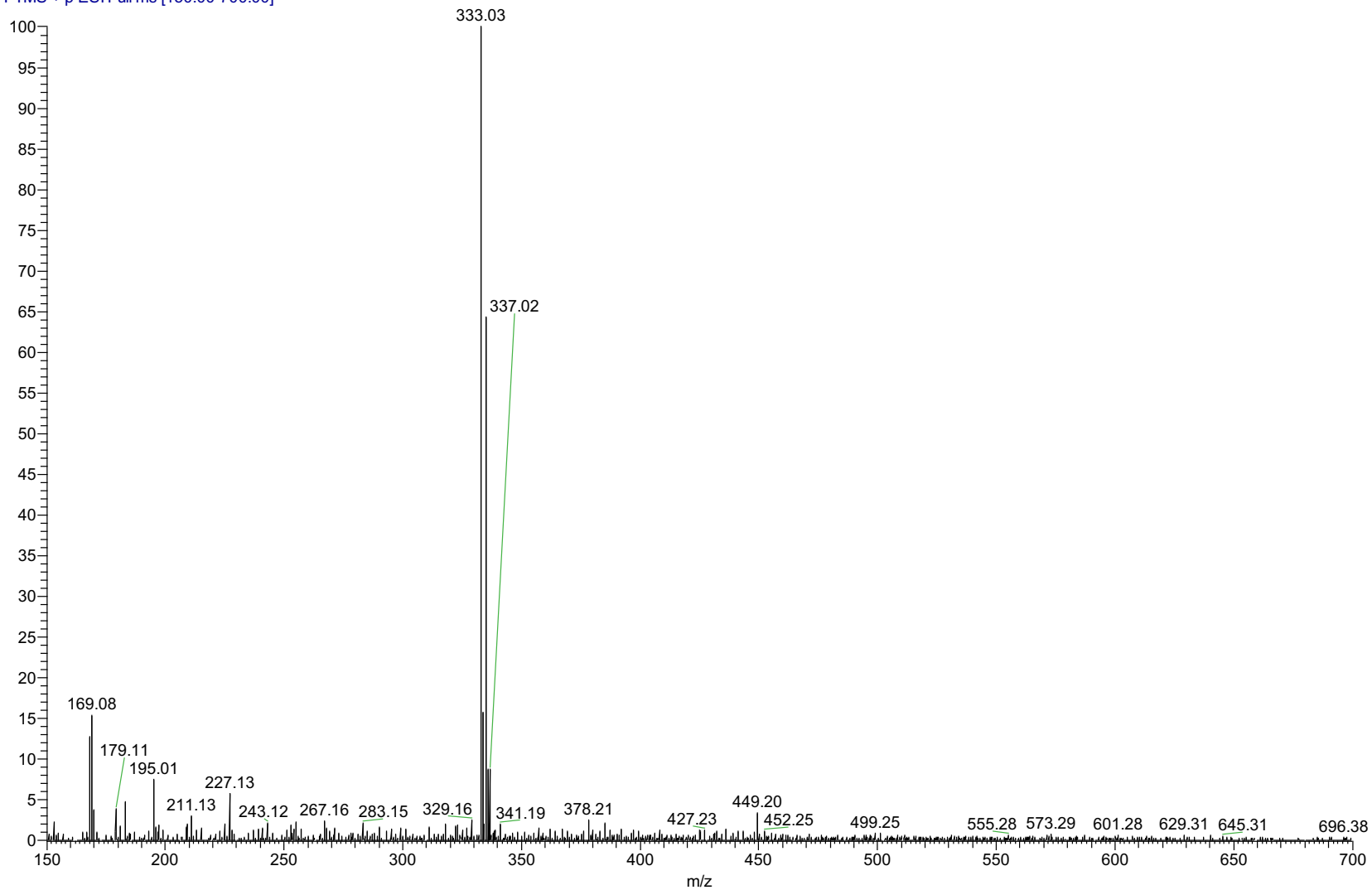
9.0 8.5 8.0 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 0.5 0.0

f1 (ppm)

700  
650  
600  
550  
500  
450  
400  
350  
300  
250  
200  
150  
100  
50  
0  
-50

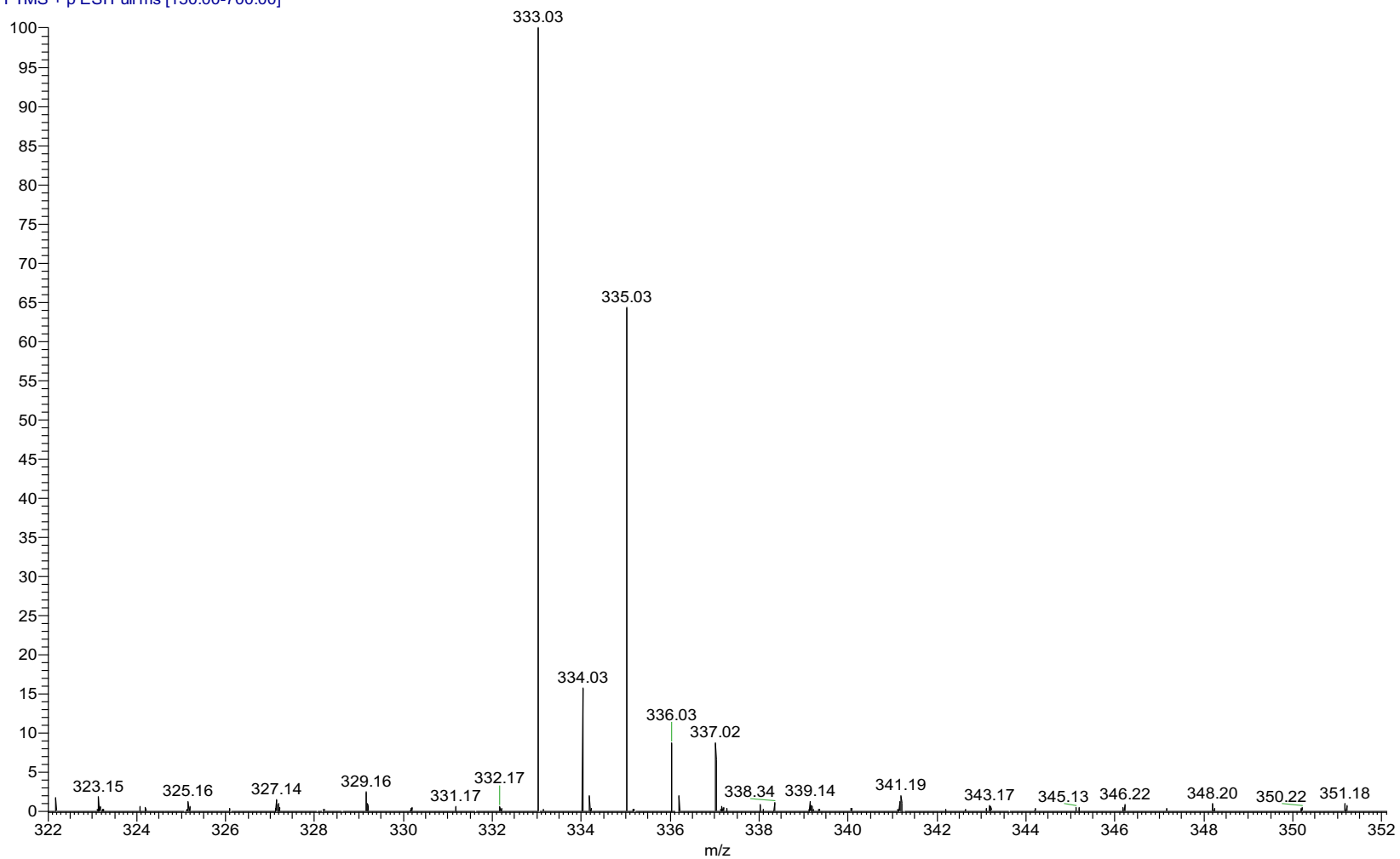


pp\_2020\_016\_GR14235\_001 #306 RT: 2.20 AV: 1 NL: 2.29E7  
T: FTMS + p ESI Full ms [150.00-700.00]



ESI-MS spectrum for sample GR-14-235. Shows monoisotopic [M+H]<sup>+</sup> mass.

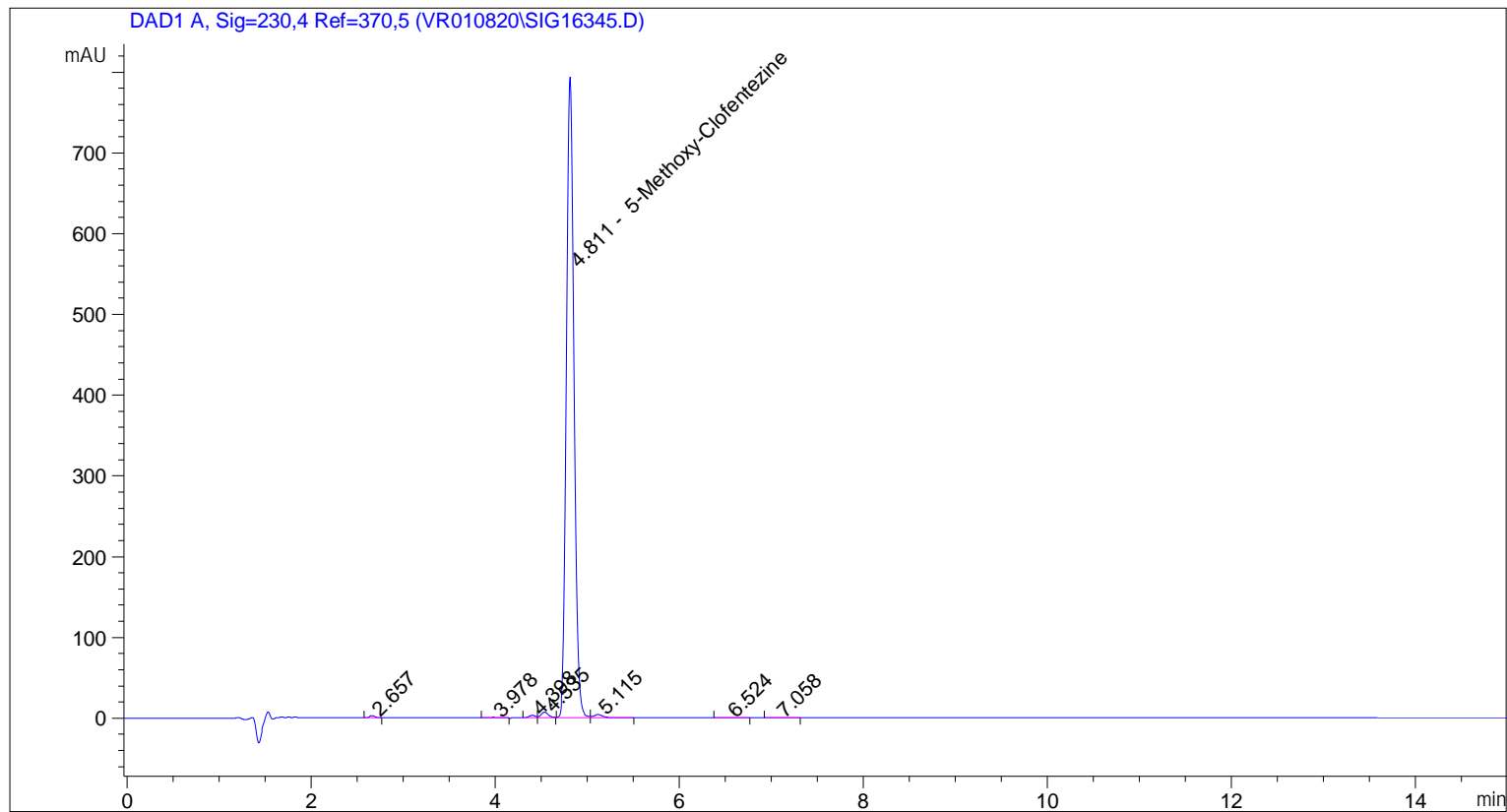
pp\_2020\_016\_GR14235\_001 #306 RT: 2.20 AV: 1 NL: 2.29E7  
T: FTMS + p ESI Full ms [150.00-700.00]



Expansion of above.

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Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 64
Injection Date  : 3/9/2020 10:34:10 AM
                                           Inj Volume : 12.0 µl
Acq. Method    : C:\CHEM32\1\METHODS\VR030920_235.M
Last changed   : 3/9/2020 10:28:48 AM by vrusu
Analysis Method: C:\CHEM32\1\METHODS\VR030920_235PM.M
Last changed   : 3/9/2020 10:51:12 AM by vrusu
  
```



Area Percent Report

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Sorted By      : Signal
Calib. Data Modified : 3/9/2020 10:48:24 AM
Multiplier:    : 1.0000
Dilution:     : 1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=230,4 Ref=370,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.657	BV	0.0645	12.16752	0.2672	?
2	3.978	BB	0.1016	4.67014	0.1026	?
3	4.398	BV	0.0747	14.17234	0.3112	?
4	4.535	VB	0.0811	34.86563	0.7657	?
5	4.811	BV	0.0875	4453.44141	97.8033	5-Methoxy-Clofentezine
6	5.115	VB	0.1038	26.81853	0.5890	?
7	6.524	BB	0.1288	3.56942	0.0784	?
8	7.058	BB	0.1297	3.76263	0.0826	?

Sample Name: GR-14-235

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
Totals :				4553.46762		

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\*\*\* End of Report \*\*\*