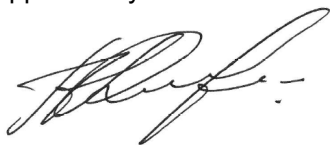


Name: 4-(Trifluoromethyl)benzoic acid-¹³C₆
Lot#: GR-5-059-2
Test Date: 03/02/2020 (re-test date: 03/02/2025)
CAS No.: 455-24-3 (unlabeled)
MF: C₂¹³C₆H₅F₃O₂
MW: 196.12
Appearance: Beige Solid
Purity: 98.1% by HPLC; 99% atom ¹³C
¹H-NMR: Conforms
MS-ESI (-) Conforms (shows peak at m/z = 195.04 [M-H]⁻)
Storage Store at 0-5°C in a dry place away from direct sunlight

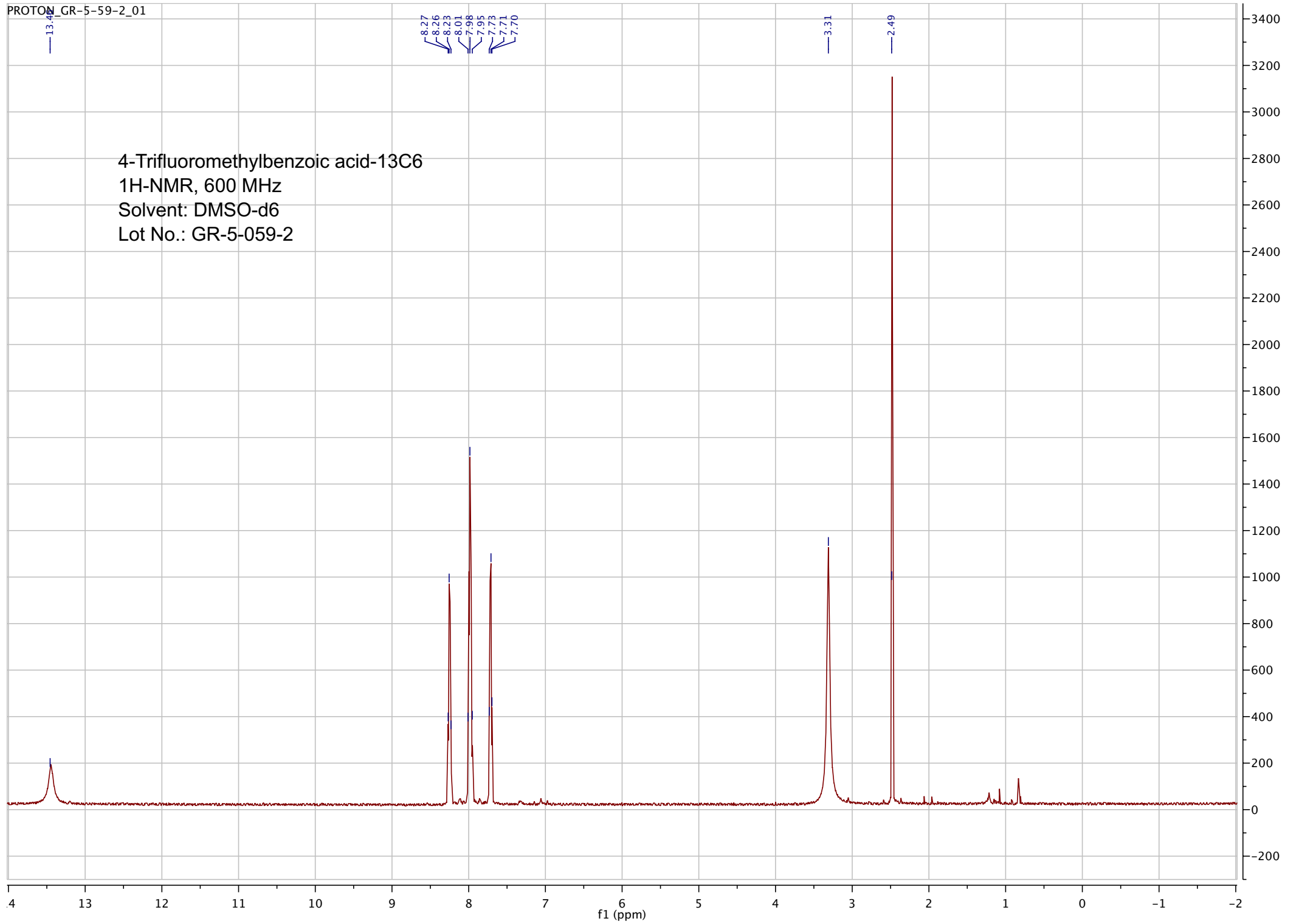
Approved by:

Date: 03/02/2020

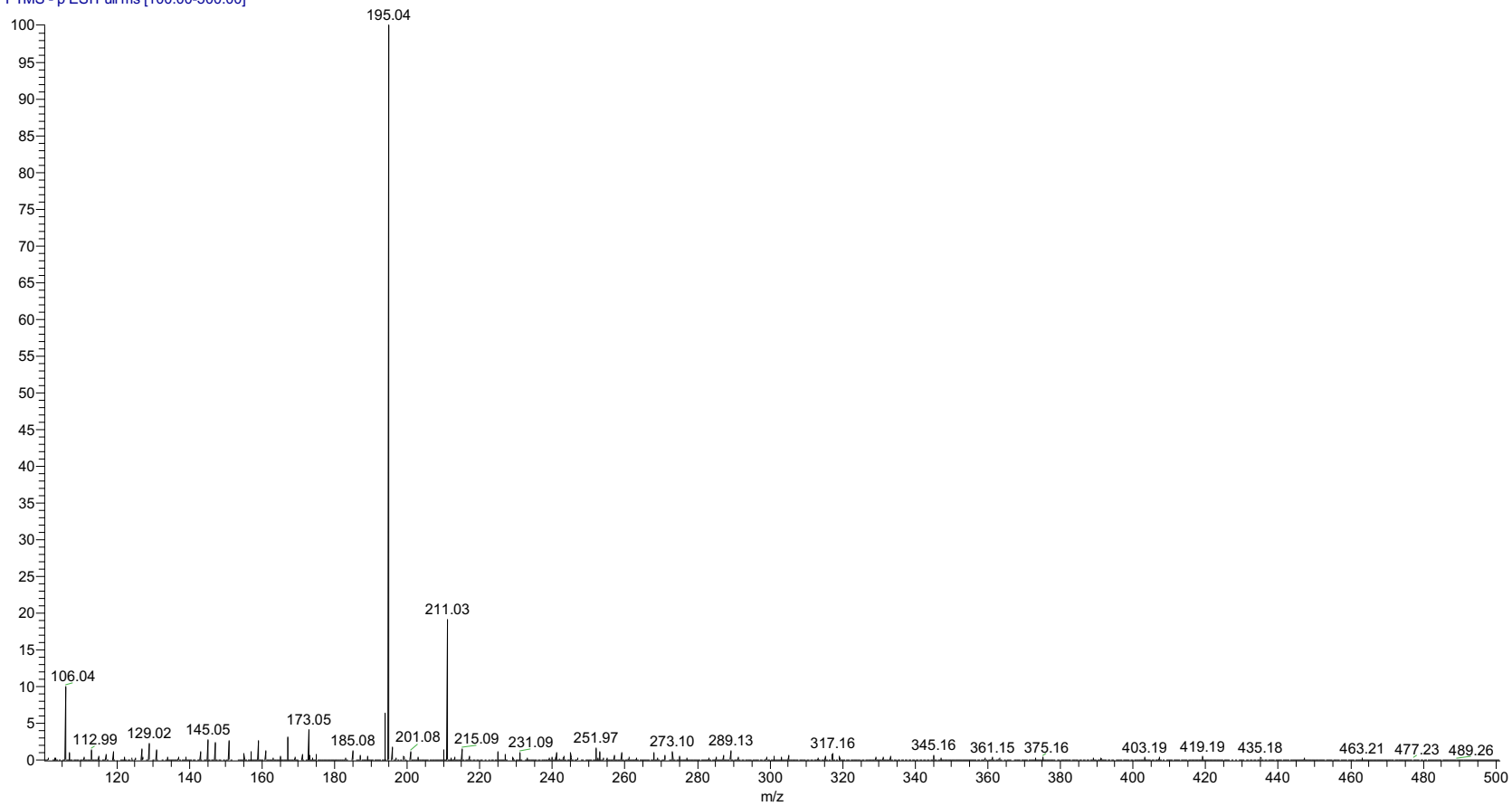


Viorica Rusu, QC/QA Manager

4-Trifluoromethylbenzoic acid-13C6
1H-NMR, 600 MHz
Solvent: DMSO-d6
Lot No.: GR-5-059-2

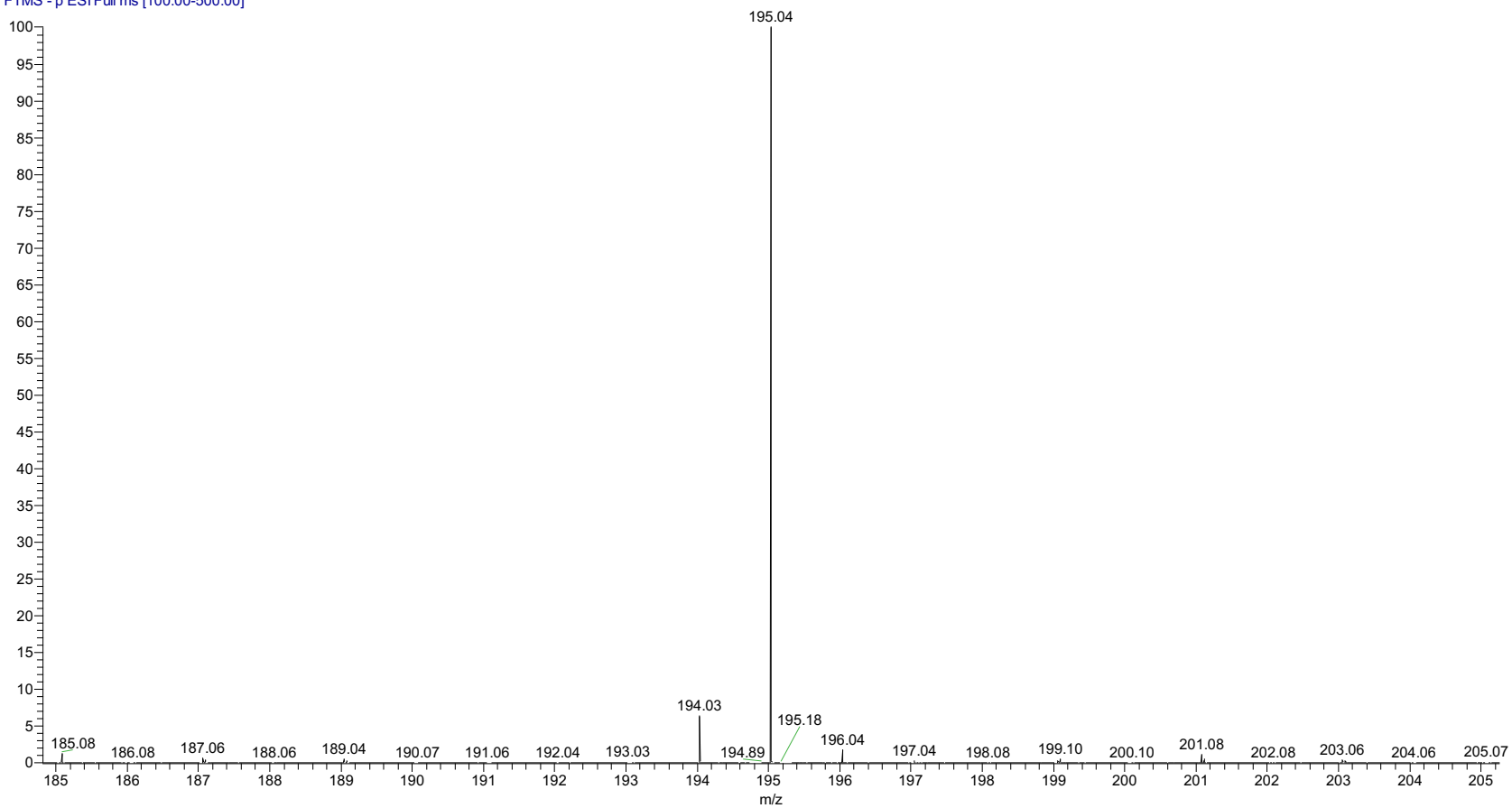


pp_2022_076_GR_05_059_2_1#521-525 RT: 2.35-2.36 AV: 5 NL: 1
T: FTMS - p ESI Full ms [100.00-500.00]



ESI-MS spectrum for sample GR-5-059-2. Shows monoisotopic [M-H]⁻ mass.

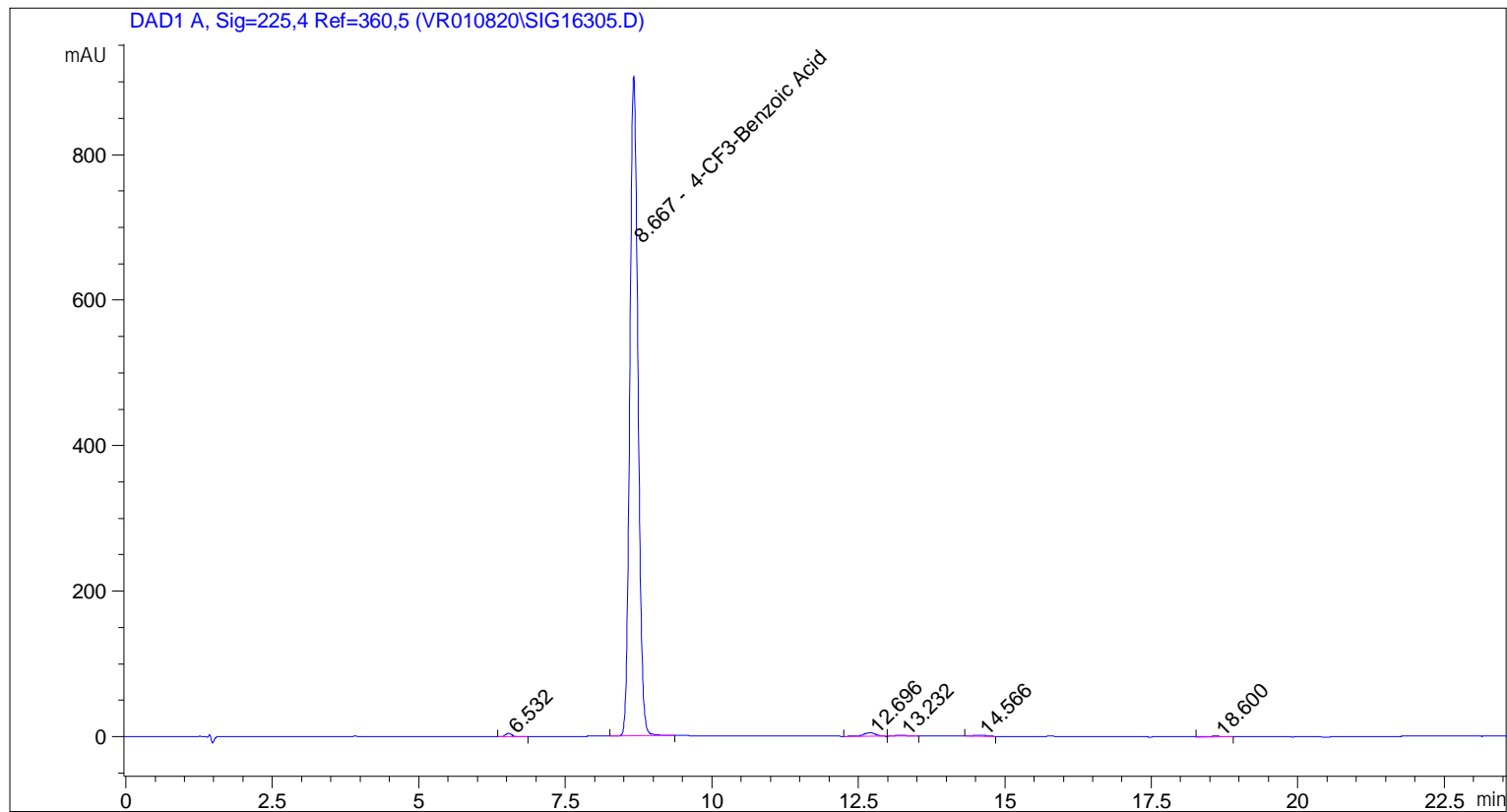
pp_2022_076_GR_05_059_2_1#521-525 RT: 2.35-2.36 AV: 5 NL: 1
T: FTMS -p ESI Full ms [100.00-500.00]



Expansion of above. Peak list below with intensity and relative intensity.

```

=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 40
Injection Date  : 3/2/2020 10:42:10 AM
                                           Inj Volume : 10.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR030220_059_2.M
Last changed    : 3/2/2020 10:41:04 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR030220_059_2PM.M
Last changed    : 3/2/2020 11:38:53 AM by vrusu
  
```



=====
 Area Percent Report
 =====

```

Sorted By           :      Signal
Calib. Data Modified :      3/2/2020 11:37:21 AM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=225,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	6.532	VB	0.1185	40.38135	0.4499	?
2	8.667	BV	0.1513	8803.18359	98.0689	4-CF3-Benzoic Acid
3	12.696	BB	0.2170	68.76840	0.7661	?
4	13.232	BV	0.1993	20.93769	0.2332	?
5	14.566	BB	0.2158	21.63135	0.2410	?
6	18.600	VV	0.2522	21.62806	0.2409	?

Totals : 8976.53045

=====

*** End of Report ***