

<b>Name:</b>	<b><i>rac</i>-Tenofovir-D6</b>
<b>Lot#:</b>	GR-17-153
<b>Test Date:</b>	05/12/2022 (re-test date: 05/12/2027)
<b>CAS No.:</b>	1020719-94-1
<b>MF:</b>	C <sub>9</sub> H <sub>8</sub> D <sub>6</sub> N <sub>5</sub> O <sub>4</sub> P
<b>MW:</b>	293.25
<b>Appearance:</b>	White Solid
<b>Purity:</b>	99.0% by HPLC (average of two sample preparations); ~99% atom D
<b><sup>1</sup>H-NMR:</b>	Conforms (contains a trace of Acetone; shows ~30% D7 form)
<b>MS-ESI (+)</b>	Conforms (shows peak at m/z = 294.1 [M+H] <sup>+</sup> for D6 form and 295.1 [M+H] <sup>+</sup> for D7 form)
<b>Storage</b>	Store at -18°C in a dry place away from direct sunlight

Approved by:

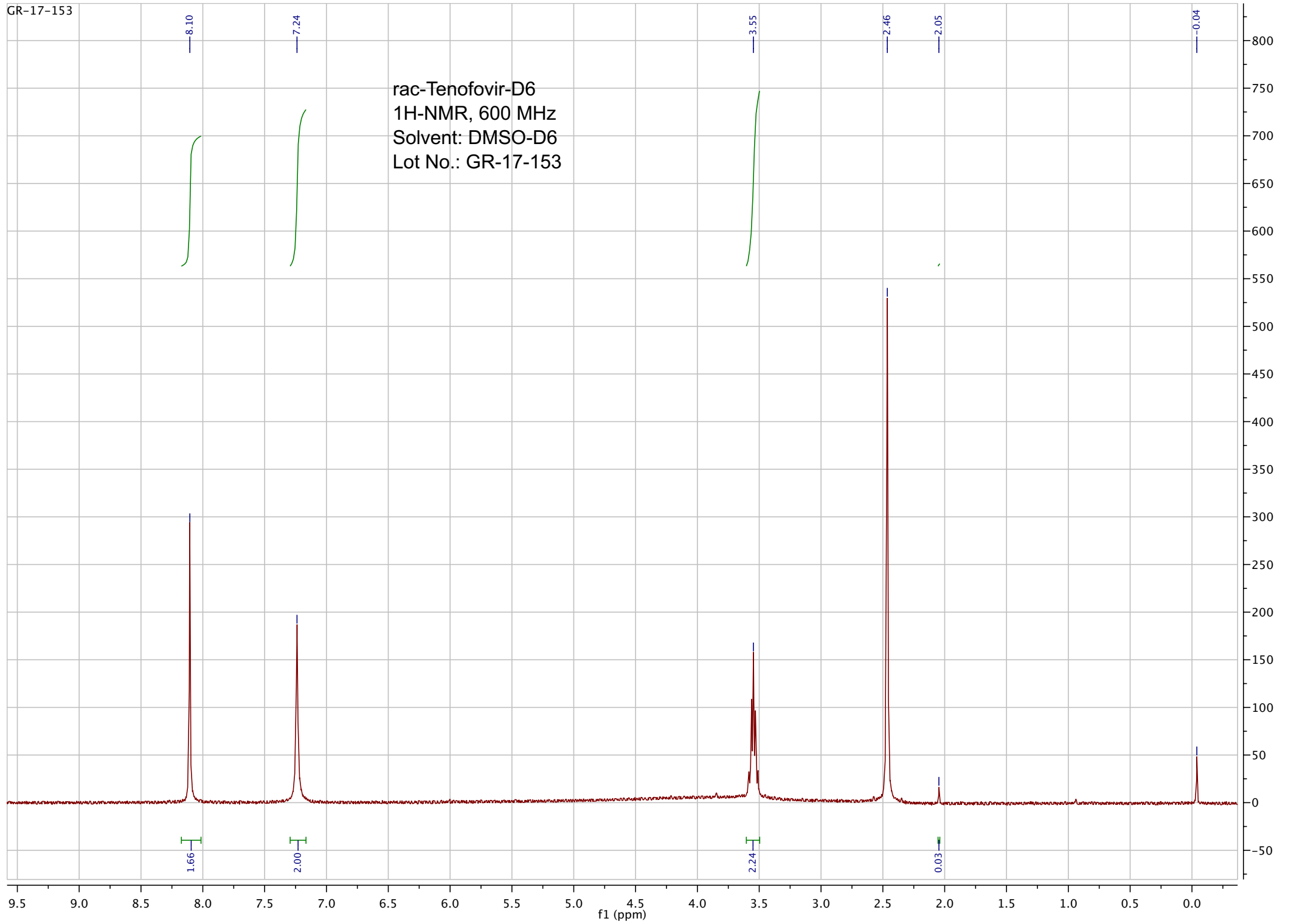
Date: 05/14/2022



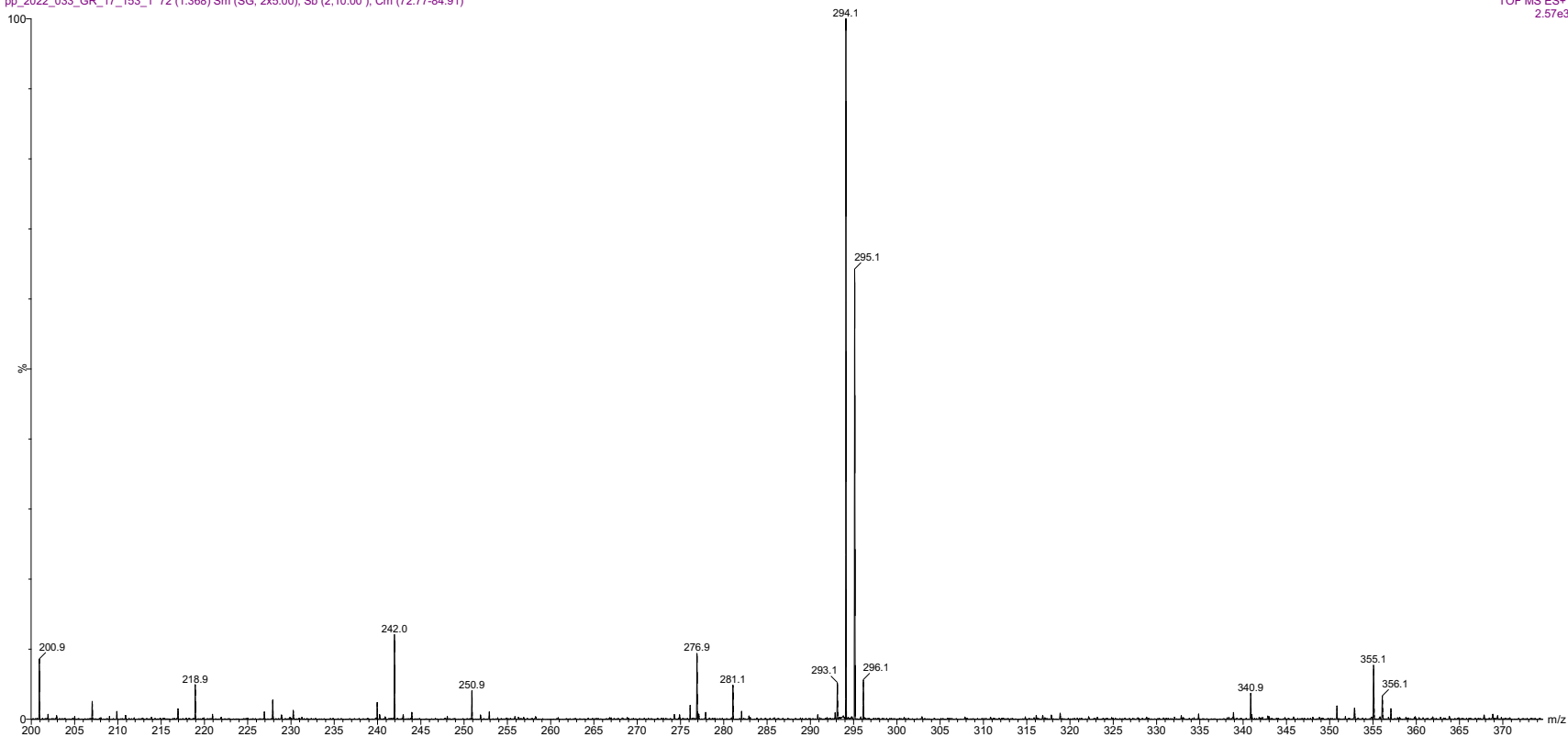
Viorica Rusu, QC/QA Manager

GR-17-153

rac-Tenofovir-D6  
1H-NMR, 600 MHz  
Solvent: DMSO-D6  
Lot No.: GR-17-153

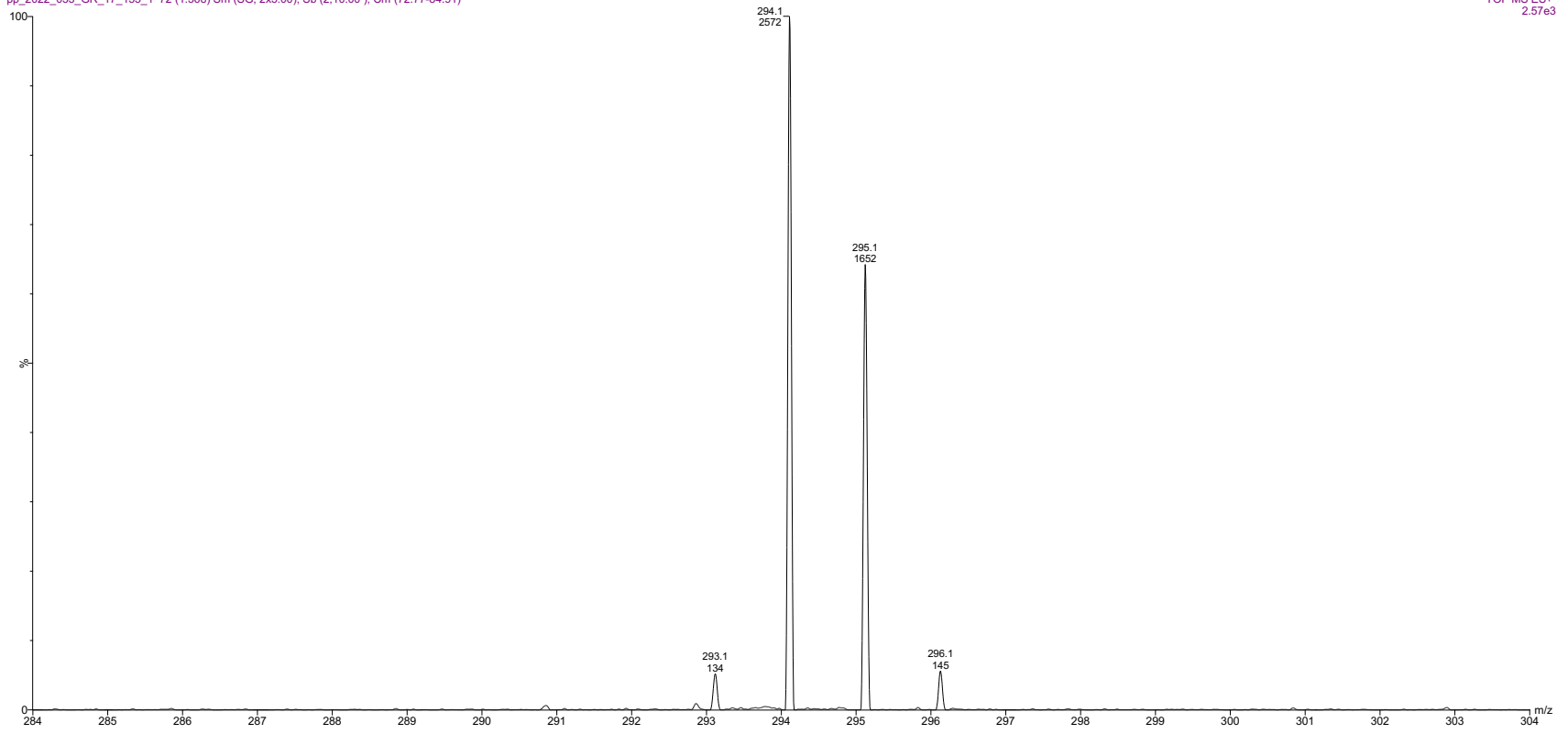


pp\_2022\_033\_GR\_17\_153\_1 72 (1.368) Sm (SG, 2x5.00); Sb (2,10.00); Cm (72:77-84:91)



ESI-MS spectrum for sample GR-17-153. Shows monoisotopic  $[M+H]^+$  mass.

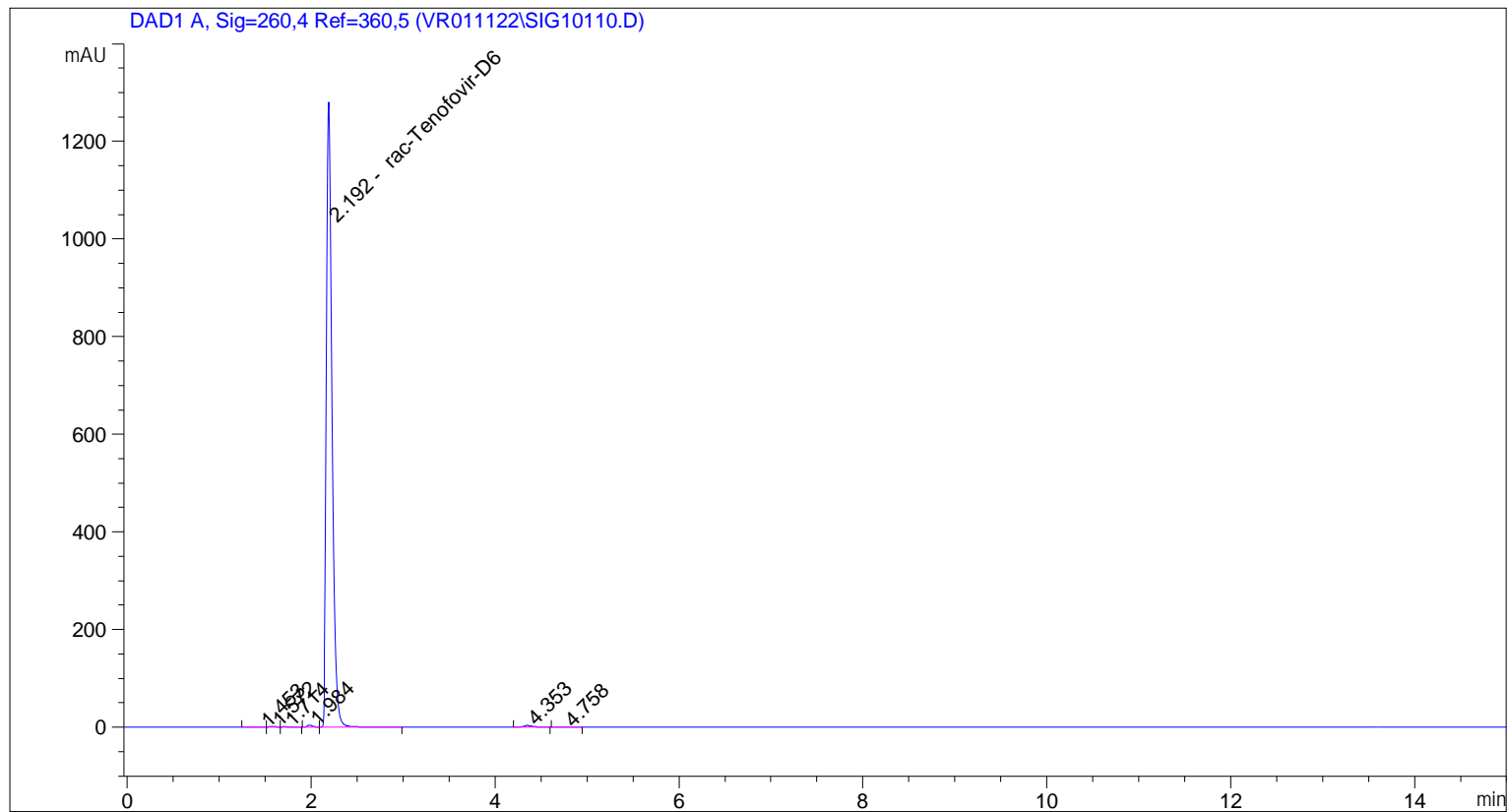
pp\_2022\_033\_GR\_17\_153\_1 72 (1.368) Sm (SG, 2x5.00); Sb (2,10.00); Cm (72:77-84:91)



Expansion of above showing intensity labels.

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=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 3
Injection Date  : 5/12/2022 3:12:27 PM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR051222_153.M
Last changed    : 5/12/2022 3:11:34 PM by vrusu
Analysis Method  : C:\CHEM32\1\METHODS\VR051222_153PM.M
Last changed    : 5/12/2022 3:55:55 PM by vrusu
  
```



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

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Sorted By      :      Signal
Calib. Data Modified :      5/12/2022 3:54:11 PM
Multiplier:    :      1.0000
Dilution:      :      1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=260,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	1.453	BV	0.1175	2.63435	0.0479	?
2	1.572	VV	0.0637	8.35707	0.1520	?
3	1.714	VB	0.0624	3.81228	0.0694	?
4	1.984	BV	0.0629	16.90055	0.3075	?
5	2.192	VB	0.0655	5440.64697	98.9807	rac-Tenofovir-D6
6	4.353	BB	0.1017	22.03755	0.4009	?
7	4.758	BB	0.1150	2.28753	0.0416	?

Sample Name: GR-17-153

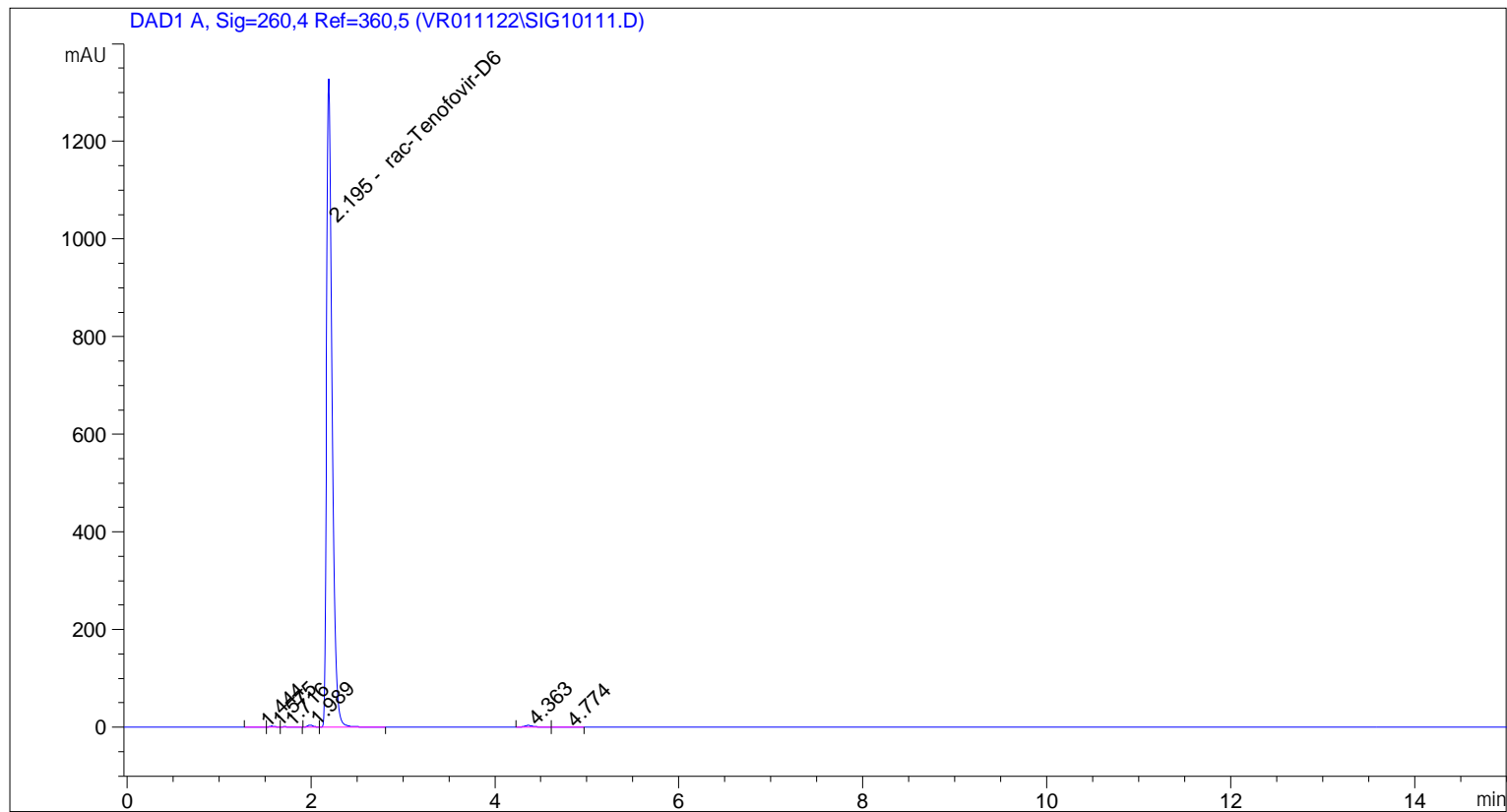
Totals : 5496.67631

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

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Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 4
Injection Date  : 5/12/2022 3:30:14 PM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR051222_153.M
Last changed    : 5/12/2022 3:29:23 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR051222_153PM.M
Last changed    : 5/12/2022 3:55:55 PM by vrusu
  
```



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

```

Sorted By           :      Signal
Calib. Data Modified :      5/12/2022 3:54:11 PM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=260,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	1.444	BV	0.1192	2.48641	0.0434	?
2	1.575	VV	0.0614	8.61336	0.1503	?
3	1.716	VB	0.0614	3.75605	0.0656	?
4	1.989	BV	0.0600	17.34924	0.3028	?
5	2.195	VB	0.0658	5671.08398	98.9888	rac-Tenofovir-D6
6	4.363	BB	0.1031	23.44986	0.4093	?
7	4.774	BB	0.1196	2.27432	0.0397	?

Sample Name: GR-17-153 spl-2

Totals : 5729.01322

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