

Name:	Cabotegravir-D3 Sodium
Lot#:	GR-17-031-Na
Test Date:	02/07/2022 (re-test date: 02/07/2027)
CAS No.:	1051375-13-3 (unlabelled)
MF:	C ₁₉ H ₁₃ D ₃ F ₂ N ₃ NaO ₅
MW:	430.35
Appearance:	Pale yellow solid
Purity:	99.7% by HPLC (average of two sample preparations); >98% atom D
¹H-NMR:	Conforms
MS-ESI (+)	Conforms (shows peak at m/z = 409.11 [M _{free acid} +H] ⁺)
Storage	Store at -18°C in a dry place away from direct sunlight

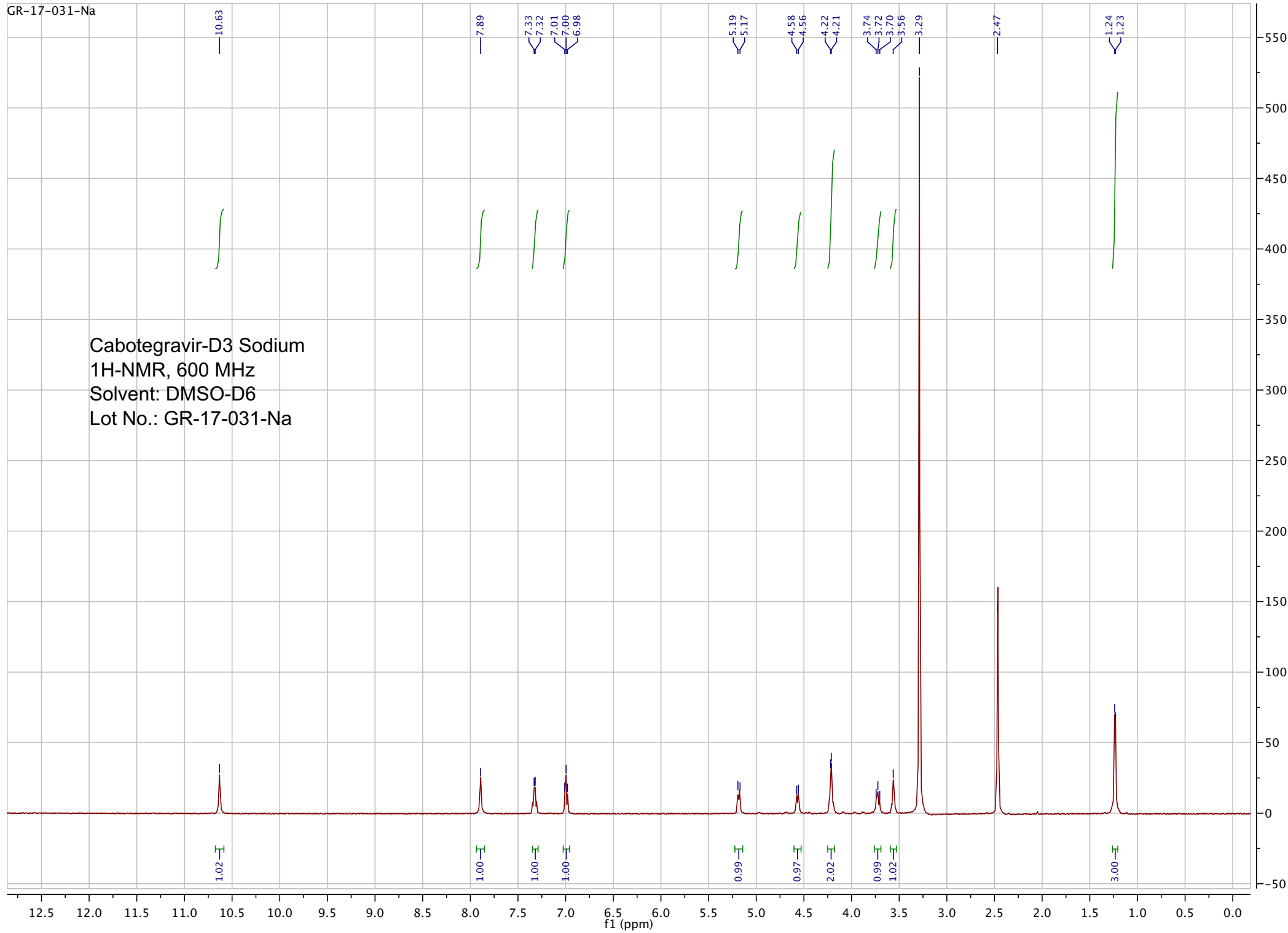
Approved by:

Date: 02/07/2022



Viorica Rusu, QC/QA Manager

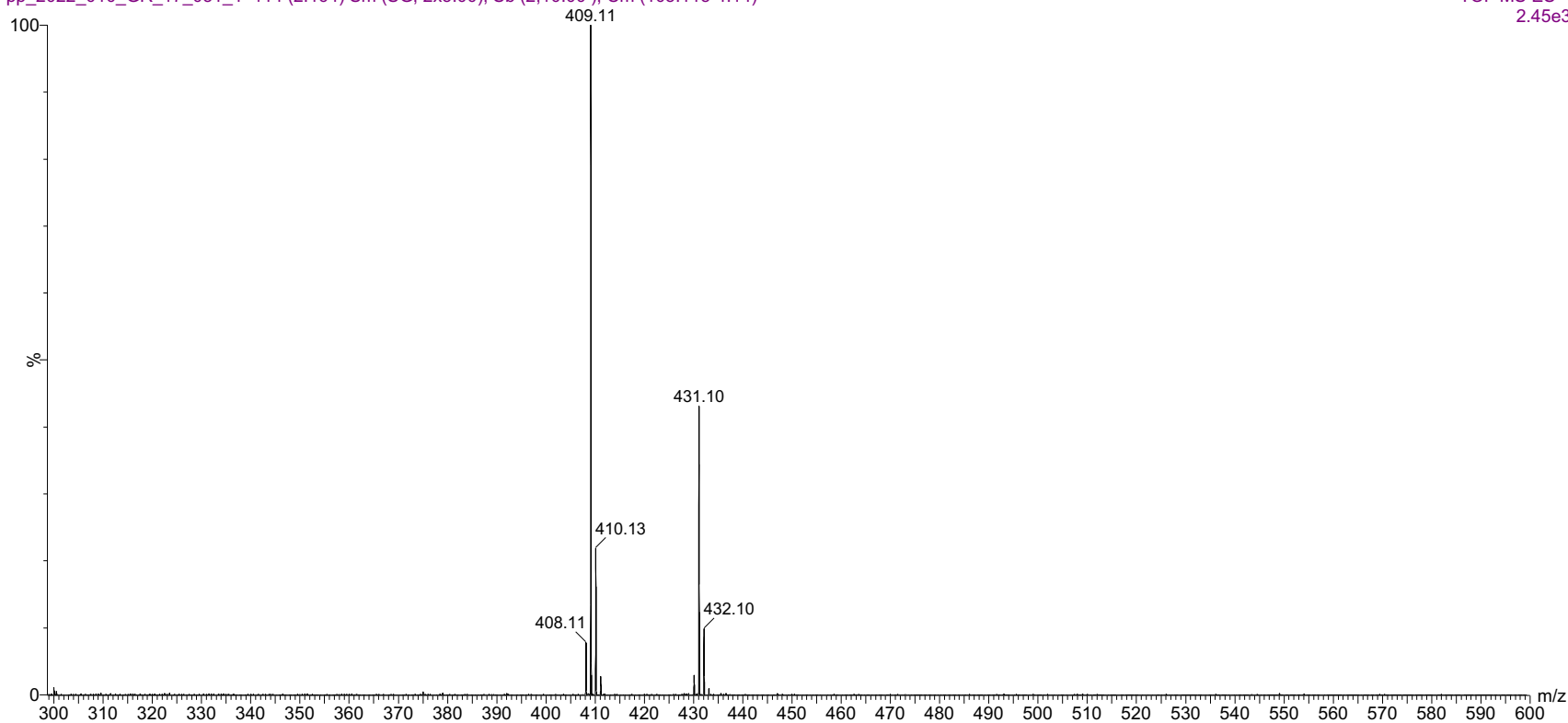
Cabotegravir-D3 Sodium
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-17-031-Na



04-Feb-2022, 17:30:41

TOF MS ES+
2.45e3

pp_2022_010_GR_17_031_1 114 (2.164) Sm (SG, 2x5.00); Sb (2,10.00); Cm (105:115-4:14)

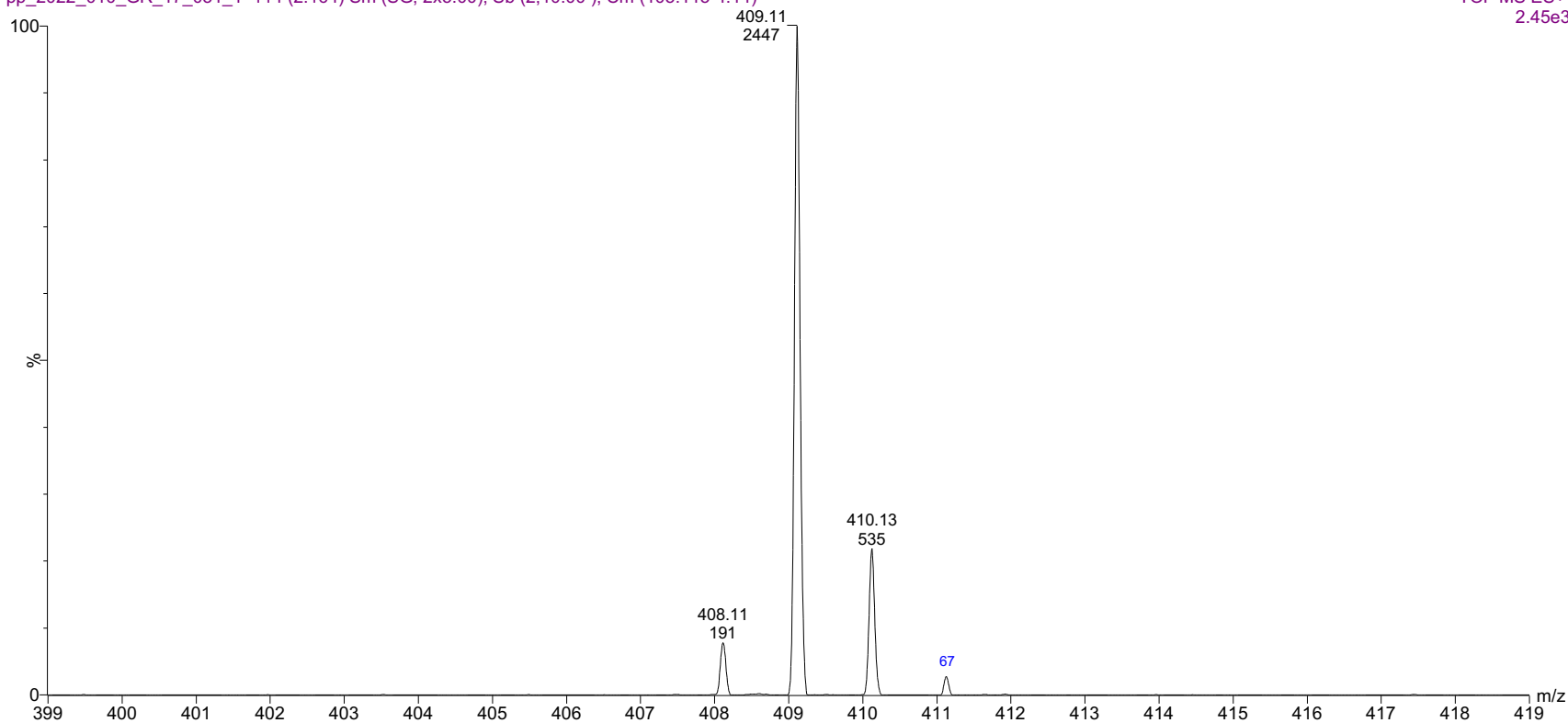


ESI-MS spectrum for sample GR-17-031. Shows monoisotopic [M+H]⁺ mass.

04-Feb-2022, 17:30:41

TOF MS ES+
2.45e3

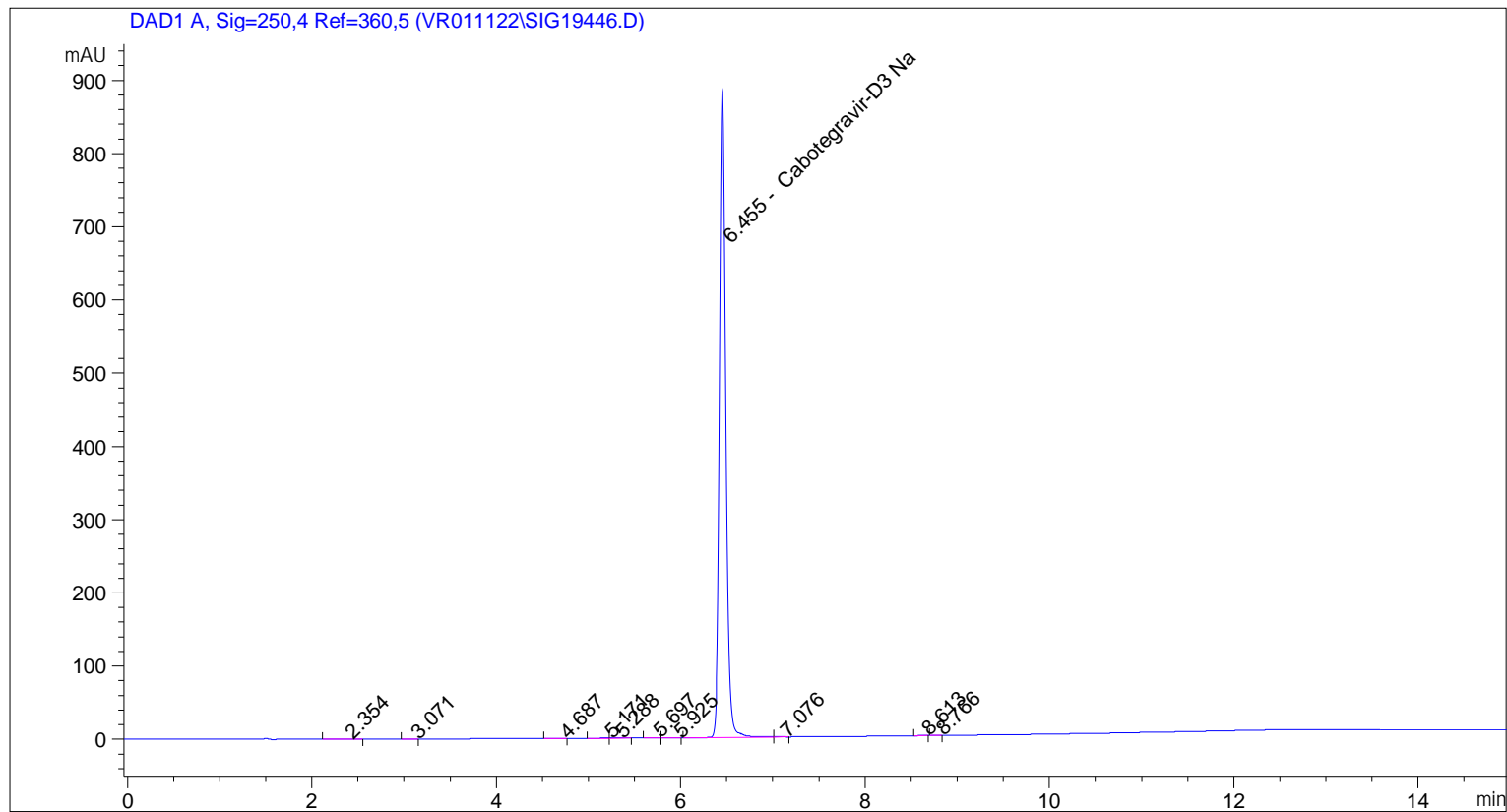
pp_2022_010_GR_17_031_1 114 (2.164) Sm (SG, 2x5.00); Sb (2,10.00); Cm (105:115-4:14)



Expansion of above showing intensity lables.

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=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 76
Injection Date  : 2/7/2022 2:06:07 PM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR020722_031_NA.M
Last changed    : 2/7/2022 2:03:57 PM by vrusu
Analysis Method  : C:\CHEM32\1\METHODS\VR020722_031PM.M
Last changed    : 2/7/2022 3:02:31 PM by vrusu
  
```



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 Area Percent Report
 =====

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Sorted By           :      Signal
Calib. Data Modified :      2/7/2022 2:57:28 PM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=250,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.354	BB	0.1271	1.51405	0.0358	?
2	3.071	BB	0.0759	7.31259e-1	0.0173	?
3	4.687	BB	0.1000	2.45307	0.0580	?
4	5.171	BV	0.0841	1.39845	0.0331	?
5	5.288	VB	0.0989	1.90410	0.0450	?
6	5.697	BV	0.0694	2.56291	0.0606	?
7	5.925	VB	0.1361	1.57549	0.0372	?
8	6.455	BV	0.0732	4214.44824	99.6153	Cabotegravir-D3 Na

Sample Name: GR-17-031-Na

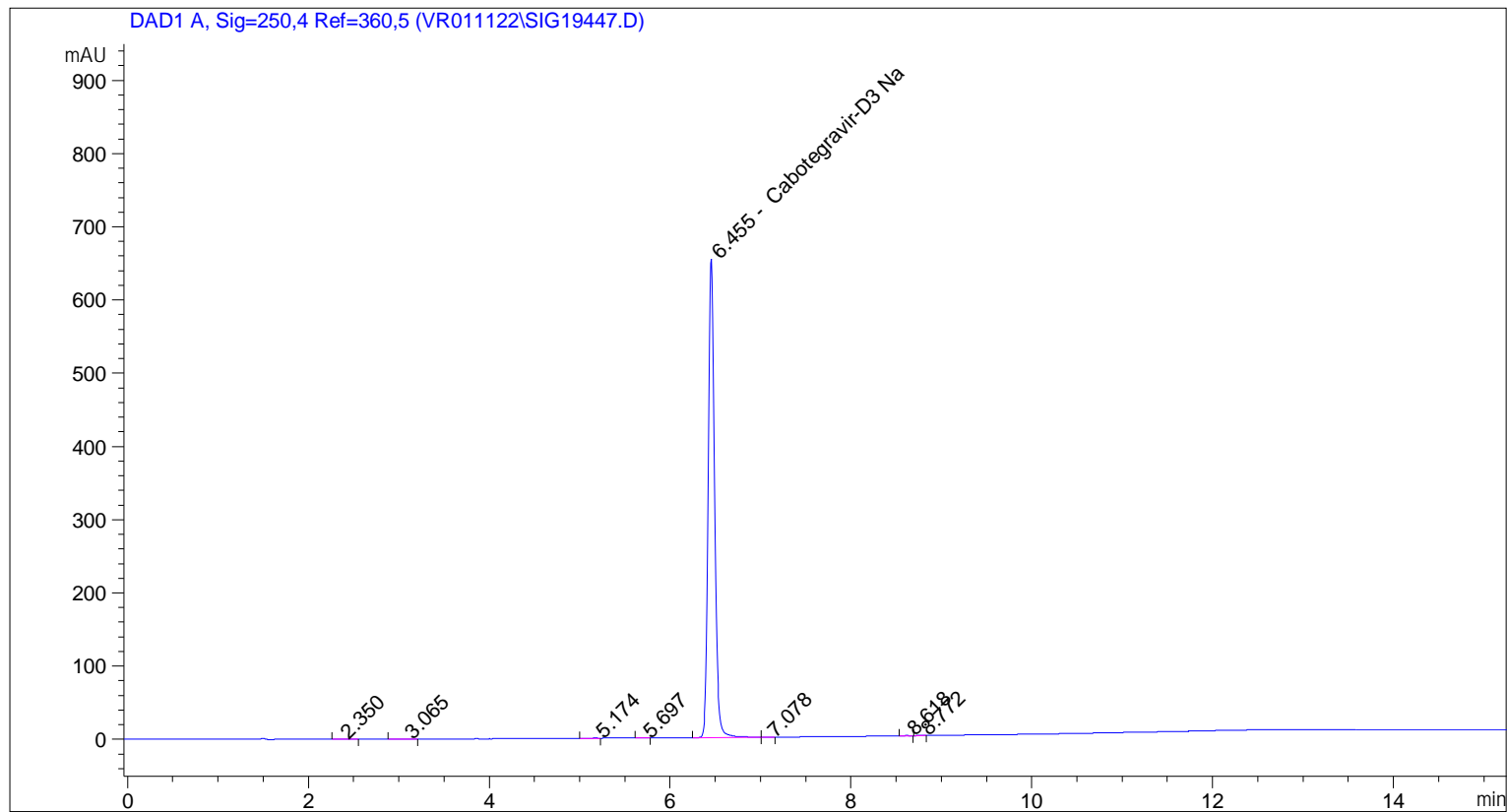
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
9	7.076	VB	0.0896	1.38988	0.0329	?
10	8.613	BB	0.0705	1.71759	0.0406	?
11	8.766	BB	0.0647	1.02877	0.0243	?

Totals : 4230.72380

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*** End of Report ***

```

=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 77
Injection Date  : 2/7/2022 2:25:31 PM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR020722_031_NA.M
Last changed    : 2/7/2022 2:22:13 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR020722_031PM.M
Last changed    : 2/7/2022 3:02:31 PM by vrusu
  
```



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

```

Sorted By           :      Signal
Calib. Data Modified :      2/7/2022 2:57:28 PM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=250,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.350	BB	0.0915	6.44302e-1	0.0206	?
2	3.065	BB	0.0968	9.55963e-1	0.0306	?
3	5.174	BB	0.0744	9.67682e-1	0.0310	?
4	5.697	BB	0.0642	1.70341	0.0545	?
5	6.455	BV	0.0736	3116.52710	99.7657	Cabotegravir-D3 Na
6	7.078	VB	0.0836	1.06915	0.0342	?
7	8.618	BB	0.0732	1.24982	0.0400	?
8	8.772	BB	0.0706	7.29420e-1	0.0234	?

Sample Name: GR-17-031-Na spl-2

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
Totals :				3123.84684		

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*** End of Report ***