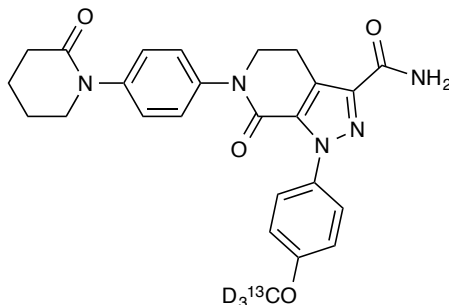




Name:	Apixaban-¹³CD₃
Lot#:	GR-14-199
Test Date:	05/16/2024 (re-test date:05/16/2029)
CAS No.:	1261393-15-0
MF:	C ₂₄ ¹³ CH ₂₂ D ₃ N ₅ O ₄
MW:	463.52
Appearance:	Off-White Solid
Purity:	97.2% by HPLC; 99% atom ¹³ C; 99% atom D
¹H-NMR:	Conforms
MS-ESI (+)	Conforms (shows peak at m/z = 464.18 [M+H] ⁺)
Storage	Store at -18°C in a dry place away from direct sunlight

Approved by:

Date: 05/17/2024

Viorica Rusu, QC/QA Manager

GR-14-199

Apixaban-13CD3
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-14-199

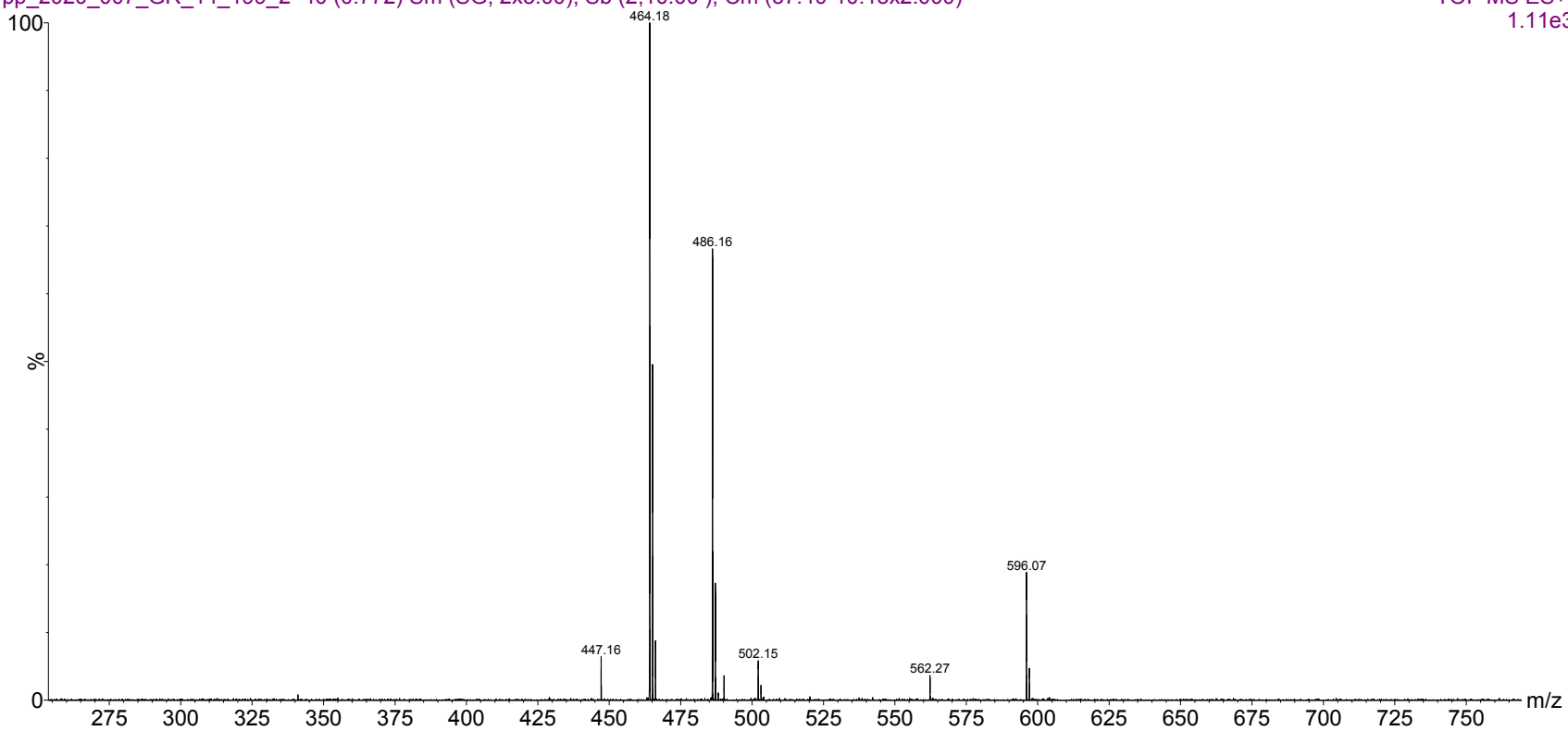


06-Feb-2020, 13:26:20

TOF MS ES+

1.11e3

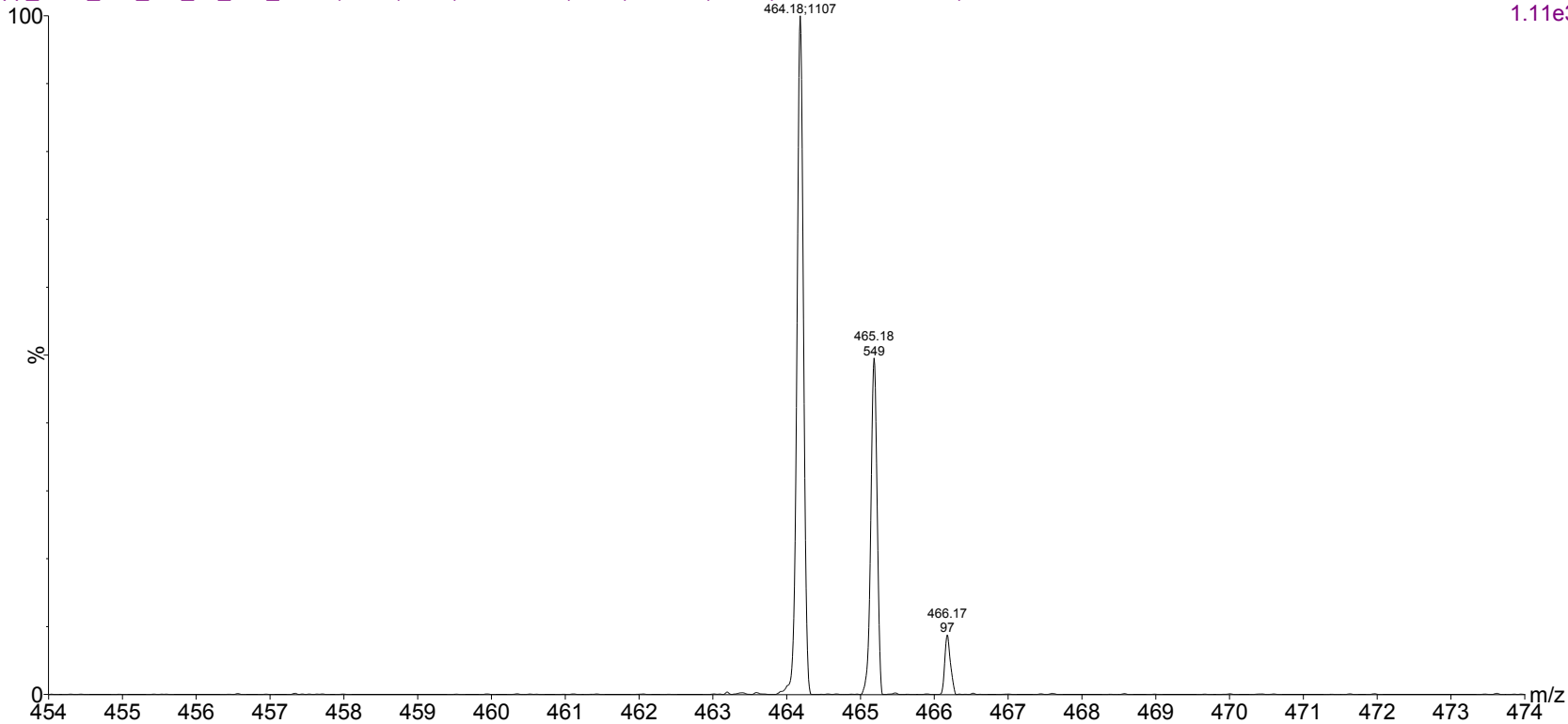
pp_2020_007_GR_14_199_2 40 (0.772) Sm (SG, 2x5.00); Sb (2,10.00); Cm (37:40-10:13x2.000)



ESI-MS spectrum for sample GR-14-199. Shows monoisotopic $[M+H]^+$ mass.

06-Feb-2020, 13:26:20
TOF MS ES+
1.11e3

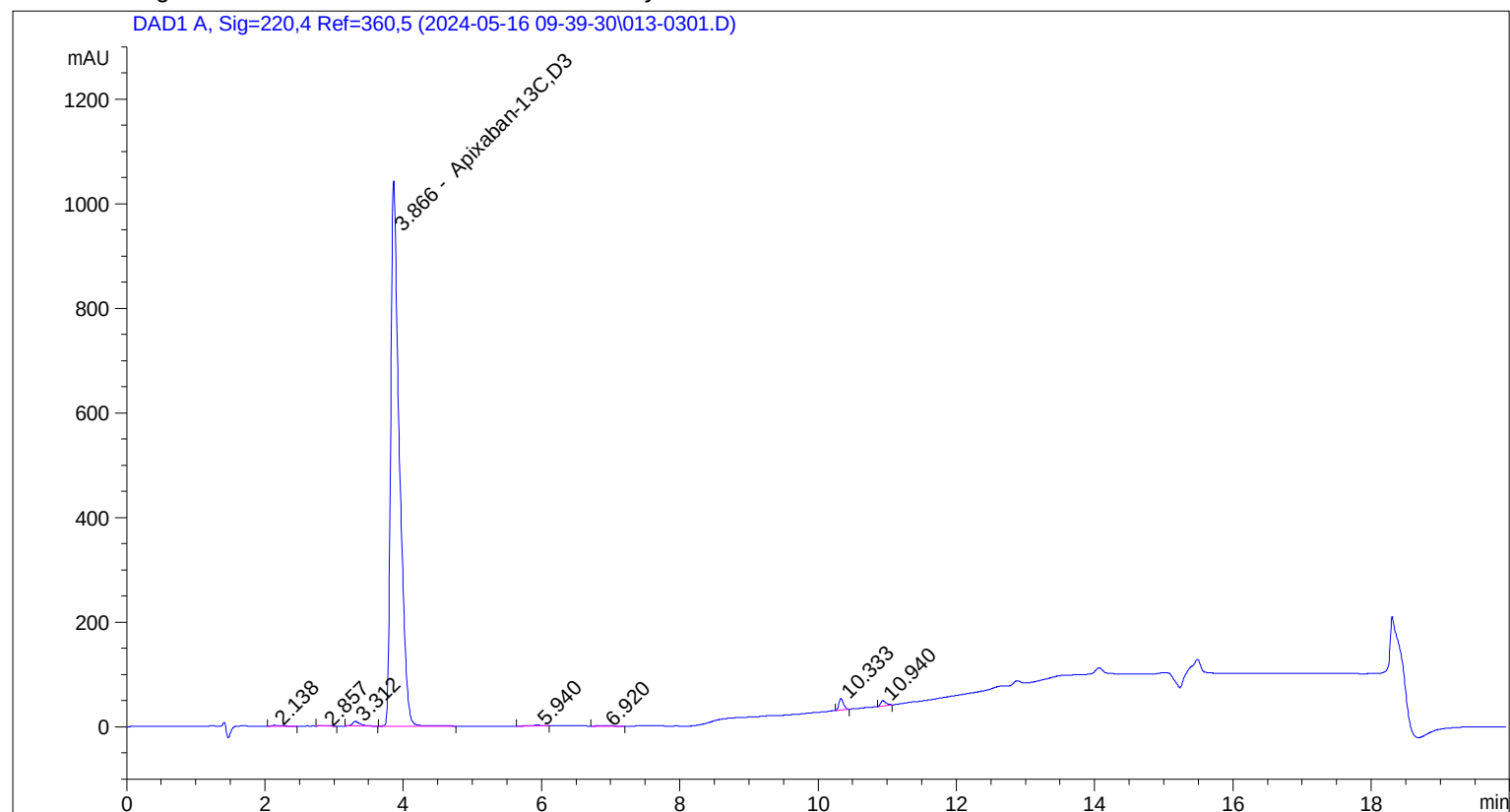
pp_2020_007_GR_14_199_2 40 (0.772) Sm (SG, 2x5.00); Sb (2,10.00); Cm (37:40-10:13x2.000)



Expansion of above showing intensity labels.

Sample Name: GR-14-199 spl-2

```
=====
Acq. Operator   : vrusu                      Seq. Line :    3
Acq. Instrument : Instrument 1                Location  : Vial 13
Injection Date  : 5/16/2024 10:23:11 AM      Inj       :    1
                                           Inj Volume: 5.0 µl
Acq. Method     : C:\CHEM32\1\DATA\2024-05-16 09-39-30\VR051624_199.M
Last changed    : 5/16/2024 9:39:08 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR052124_199PM.M
Last changed    : 5/21/2024 9:56:48 AM by vrusu
=====
```



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

```
Sorted By           :      Signal
Calib. Data Modified :      5/21/2024 9:55:19 AM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=220,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.138	BB	0.1145	12.39185	0.1327	?
2	2.857	BB	0.1176	6.21080	0.0665	?
3	3.312	BB	0.1082	64.97011	0.6958	?
4	3.866	BB	0.1253	9068.34570	97.1130	Apixaban-13C,D3
5	5.940	BB	0.2194	25.79880	0.2763	?
6	6.920	BB	0.1655	8.61130	0.0922	?
7	10.333	BB	0.0702	101.18318	1.0836	?
8	10.940	BB	0.0749	50.41611	0.5399	?

Sample Name: GR-14-199 spl-2

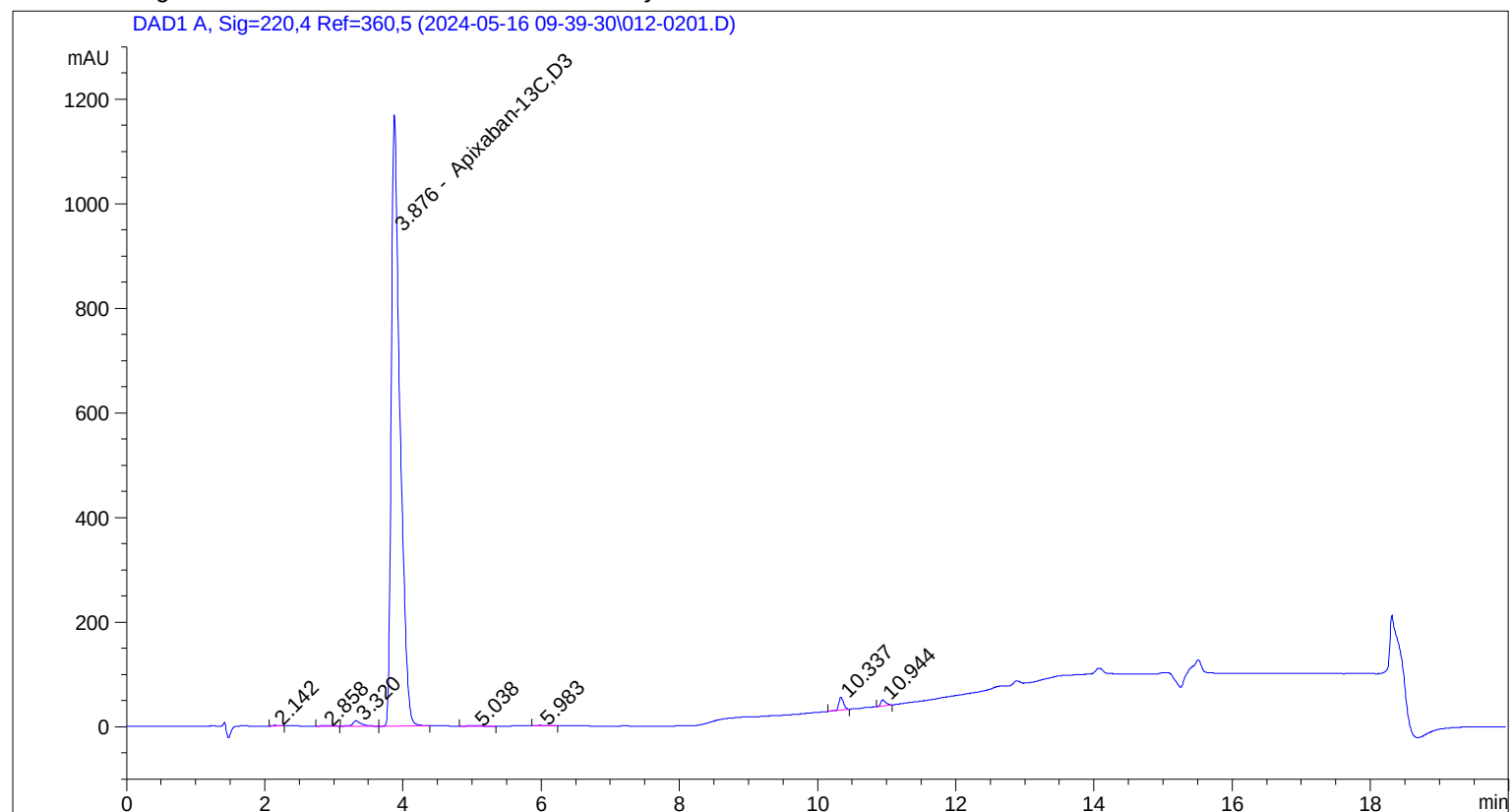
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
----- ----- ----- ----- ----- ----- -----						
Totals :				9337.92786		

=====
*** End of Report ***

Sample Name: GR-14-199

```
=====
Acq. Operator   : vrusu                      Seq. Line :    2
Acq. Instrument : Instrument 1                Location  : Vial 12
Injection Date  : 5/16/2024 10:01:51 AM      Inj       :    1
                                           Inj Volume: 5.0 µl

Acq. Method     : C:\CHEM32\1\DATA\2024-05-16 09-39-30\VR051624_199.M
Last changed    : 5/16/2024 9:39:08 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR052124_199PM.M
Last changed    : 5/21/2024 9:56:48 AM by vrusu
=====
```



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

```
Sorted By           :      Signal
Calib. Data Modified :      5/21/2024 9:55:19 AM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=220,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.142	BB	0.0776	6.80823	0.0653	?
2	2.858	BB	0.1142	6.75592	0.0648	?
3	3.320	BB	0.1114	78.04763	0.7481	?
4	3.876	BB	0.1251	1.01495e4	97.2859	Apixaban-13C,D3
5	5.038	BB	0.1992	7.95125	0.0762	?
6	5.983	VB	0.1557	12.78273	0.1225	?
7	10.337	BB	0.0709	114.44868	1.0970	?
8	10.944	BB	0.0753	56.35429	0.5402	?

Sample Name: GR-14-199

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
----- ----- ----- ----- ----- ----- -----						
Totals :				1.04327e4		

=====
*** End of Report ***