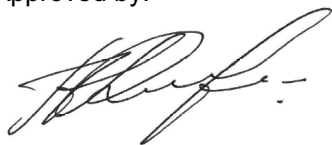


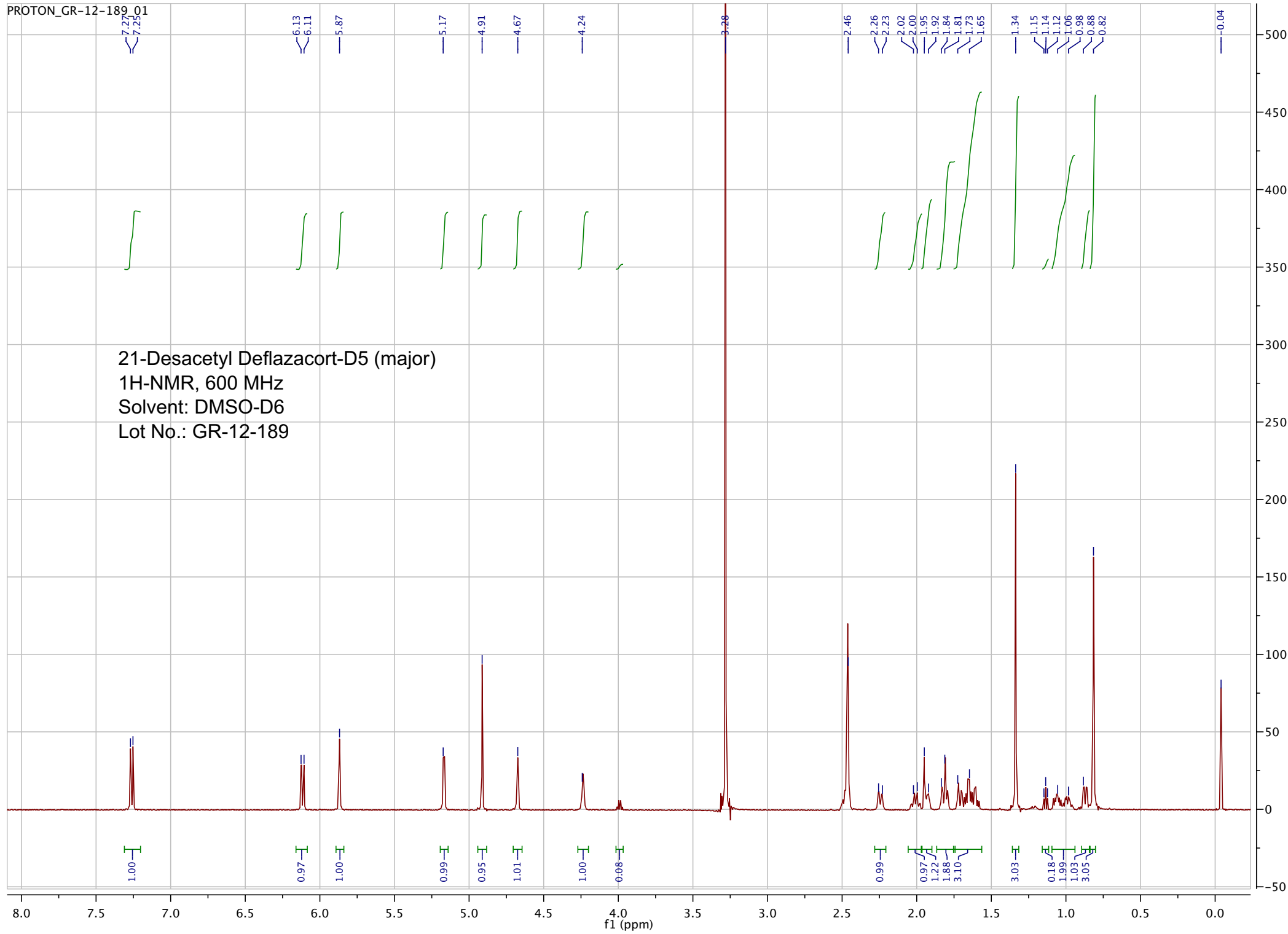
<b>Name:</b>	<b>21-Desacetyl Deflazacort-D5 (major)</b>
<b>Lot#:</b>	GR-12-189
<b>Test Date:</b>	02/10/2024 (re-test date: 02/10/2029)
<b>CAS No.:</b>	13649-57-5 (unlabeled)
<b>MF:</b>	C <sub>23</sub> H <sub>24</sub> D <sub>5</sub> NO <sub>5</sub>
<b>MW:</b>	404.52
<b>Appearance:</b>	White Solid
<b>Purity:</b>	98.2% by HPLC (average of two sample preparations); >98% atom D
<b><sup>1</sup>H-NMR:</b>	Conforms (shows exclusively D5 form; shows a trace of EtOAc)
<b>MS-ESI (+)</b>	Conforms (shows peaks at m/z = 404.23 and 405.24 [M+H] <sup>+</sup> corresponding to D4 and D5 forms)
<b>Storage</b>	Store at -18°C in a dry place away from direct sunlight

Approved by:

Date: 02/12/2024

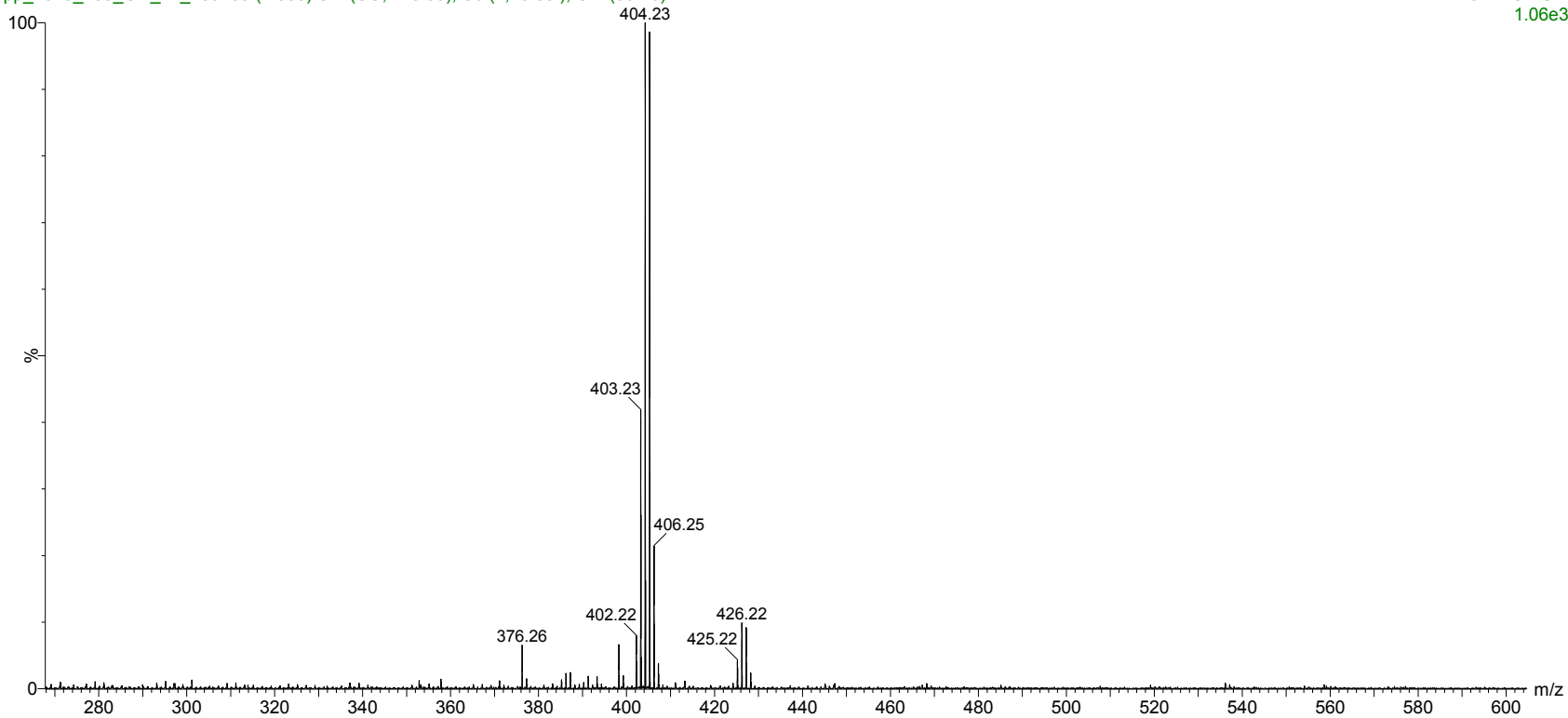


Viorica Rusu, QC/QA Manager



pp\_2018\_130\_GR\_12\_189 69 (1.308) Sm (SG, 2x5.00); Sb (2,10.00 ); Cm (69:76)

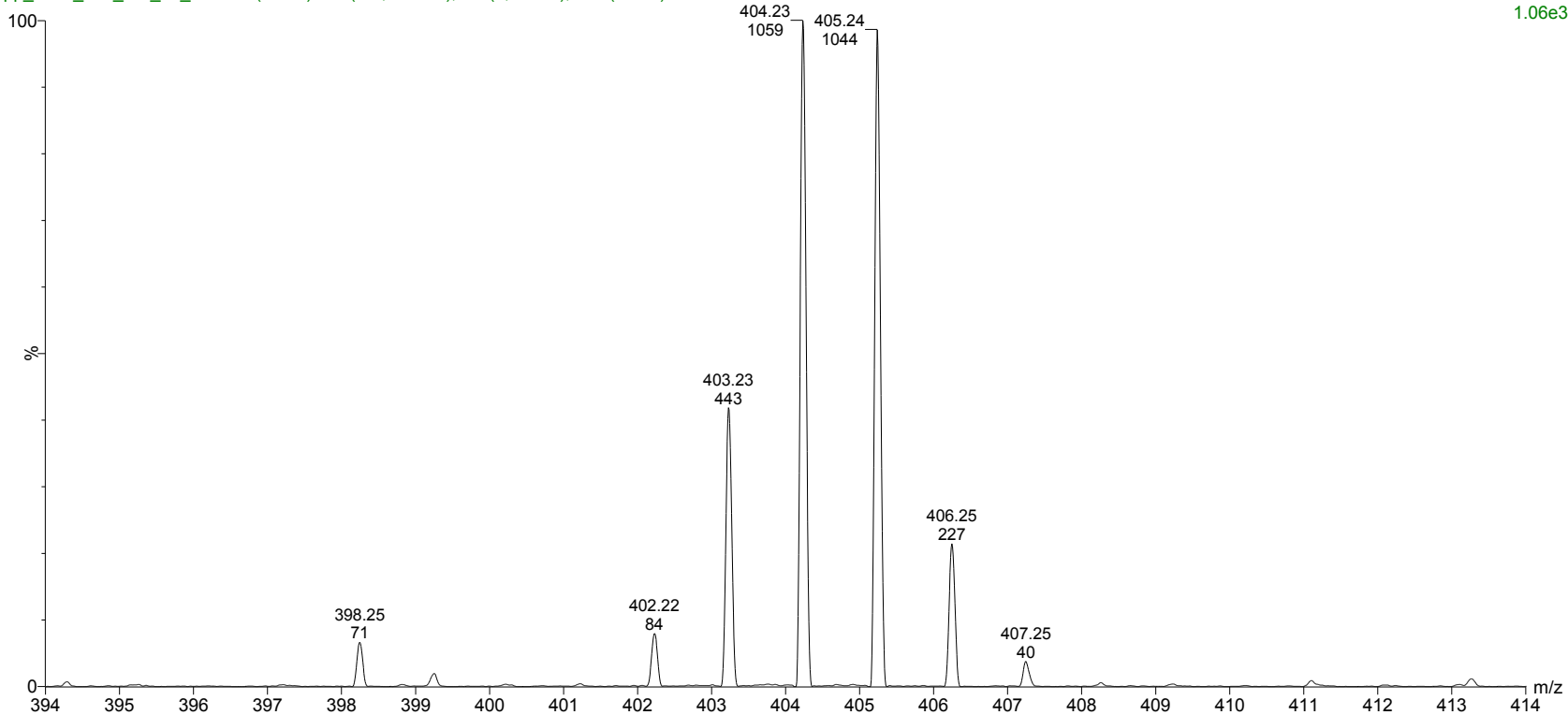
TOF MS ES+  
1.06e3



ESI-MS spectrum for sample GR-12-189. Shows monoisotopic [M+H]<sup>+</sup> mass.

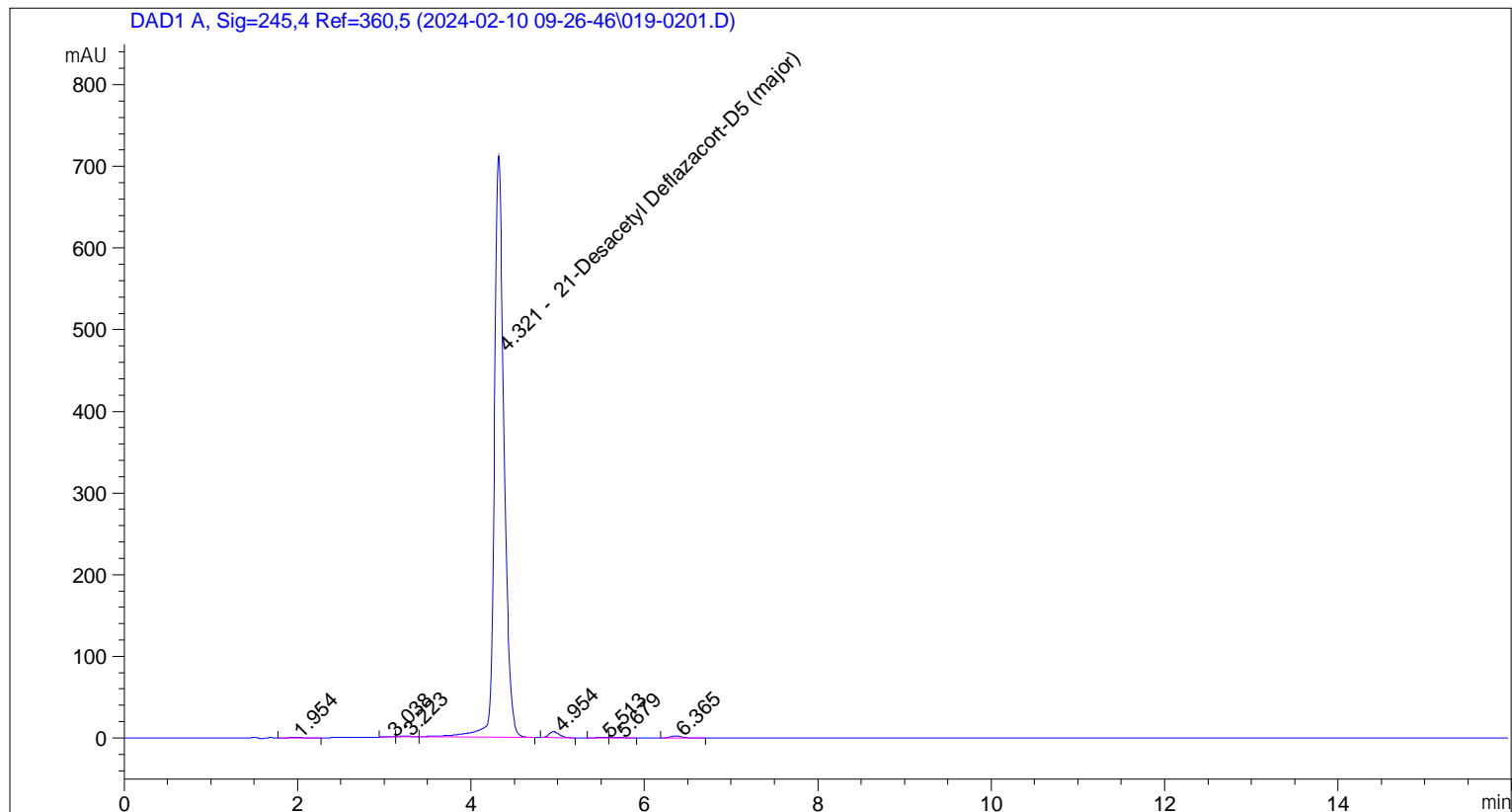
pp\_2018\_130\_GR\_12\_189 69 (1.308) Sm (SG, 2x5.00); Sb (2,10.00 ); Cm (69:76)

TOF MS ES+  
1.06e3



Expansion of above showing intensity labels.

```
=====
Acq. Operator   : vrusu                               Seq. Line :    2
Acq. Instrument : Instrument 1                         Location  : Vial 19
Injection Date  : 2/10/2024 9:45:15 AM                Inj       :    1
                                                    Inj Volume: 5.0 µl
Acq. Method     : C:\CHEM32\1\DATA\2024-02-10 09-26-46\VR021024_189.M
Last changed    : 2/10/2024 9:26:15 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR021024_189_PM.M
Last changed    : 2/10/2024 10:32:04 AM by vrusu
=====
```



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

```
Sorted By           :      Signal
Calib. Data Modified :      2/10/2024 10:31:22 AM
Multiplier          :      1.0000
Dilution            :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=245,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	4.321	BB	0.1167	5532.83496	98.1938	21-Desacetyl Deflazacort-D5 (major)

```
Totals :                               5532.83496  98.1938
```

Uncalibrated Peaks:

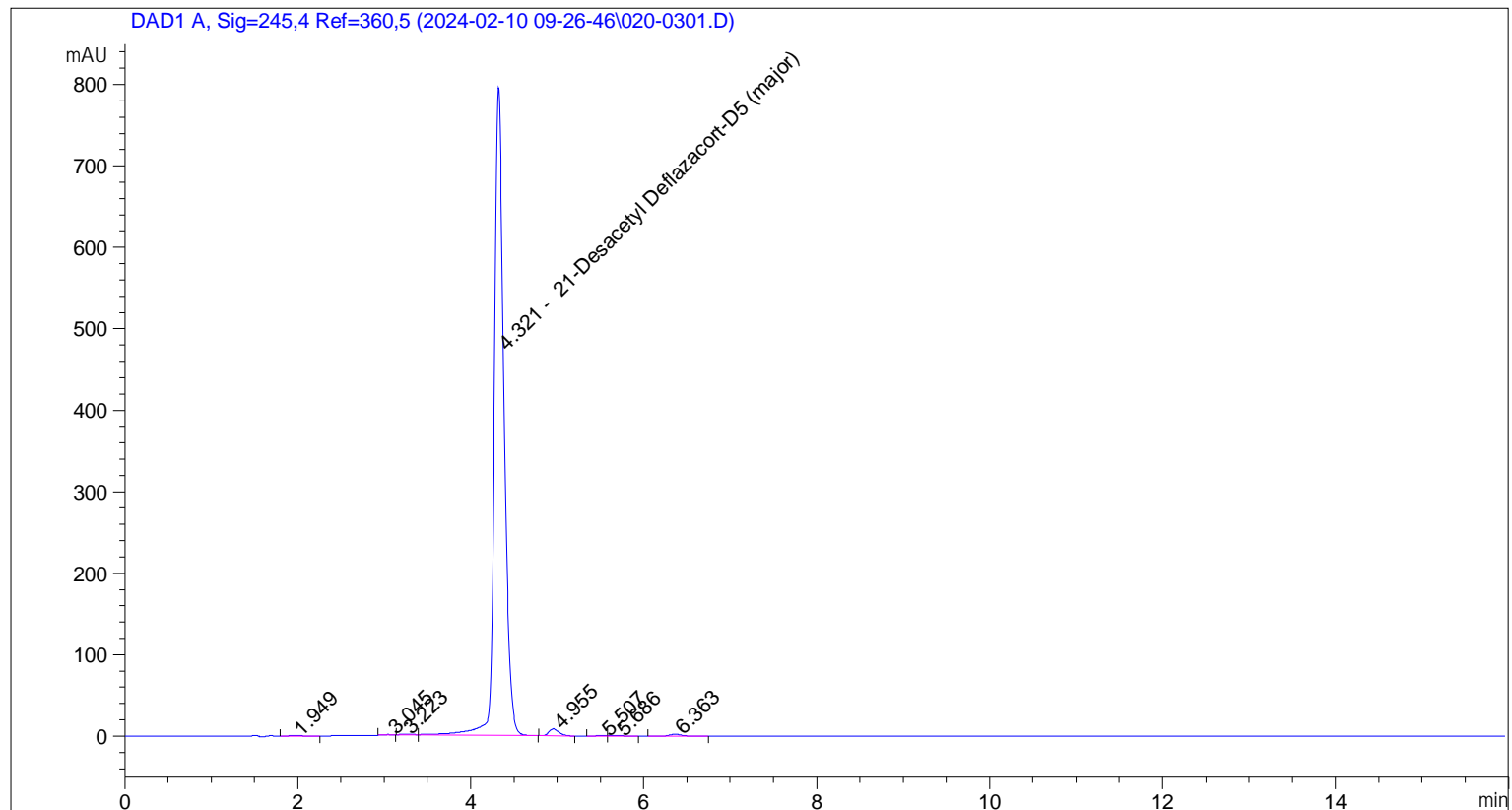
Sample Name: GR-12-189

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	1.954	BB	0.1112	4.60885	0.0818	?
2	3.038	BB	0.1064	3.06399	0.0544	?
3	3.223	BB	0.1126	5.09764	0.0905	?
4	4.954	BB	0.1198	58.46929	1.0377	?
5	5.513	BV	0.1096	4.00239	0.0710	?
6	5.679	VB	0.1146	6.11399	0.1085	?
7	6.365	BB	0.1341	20.41793	0.3624	?

Uncalib. totals :                    101.77409    1.8062

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

=====  
Acq. Operator : vrusu Seq. Line : 3  
Acq. Instrument : Instrument 1 Location : Vial 20  
Injection Date : 2/10/2024 10:02:35 AM Inj : 1  
Inj Volume : 5.0 µl  
Acq. Method : C:\CHEM32\1\DATA\2024-02-10 09-26-46\VR021024\_189.M  
Last changed : 2/10/2024 9:26:15 AM by vrusu  
Analysis Method : C:\CHEM32\1\METHODS\VR021024\_189\_PM.M  
Last changed : 2/10/2024 10:32:04 AM by vrusu



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

Sorted By : Signal  
Calib. Data Modified : 2/10/2024 10:31:22 AM  
Multiplier: : 1.0000  
Dilution: : 1.0000  
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=245,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	4.321	BB	0.1187	6192.98535	98.1941	21-Desacetyl Deflazacort-D5 (major)

Totals : 6192.98535 98.1941

Uncalibrated Peaks:

Sample Name: GR-12-189 spl-2

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	1.949	BB	0.1104	5.14764	0.0816	?
2	3.045	BB	0.1054	3.31602	0.0526	?
3	3.223	BB	0.1013	5.86287	0.0930	?
4	4.955	BB	0.1203	67.02410	1.0627	?
5	5.507	BV	0.1067	3.83193	0.0608	?
6	5.686	VB	0.1370	7.49267	0.1188	?
7	6.363	BB	0.1384	21.22135	0.3365	?

Uncalib. totals :                    113.89658    1.8059

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