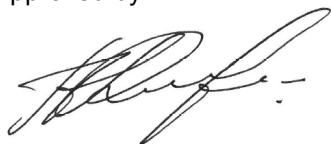


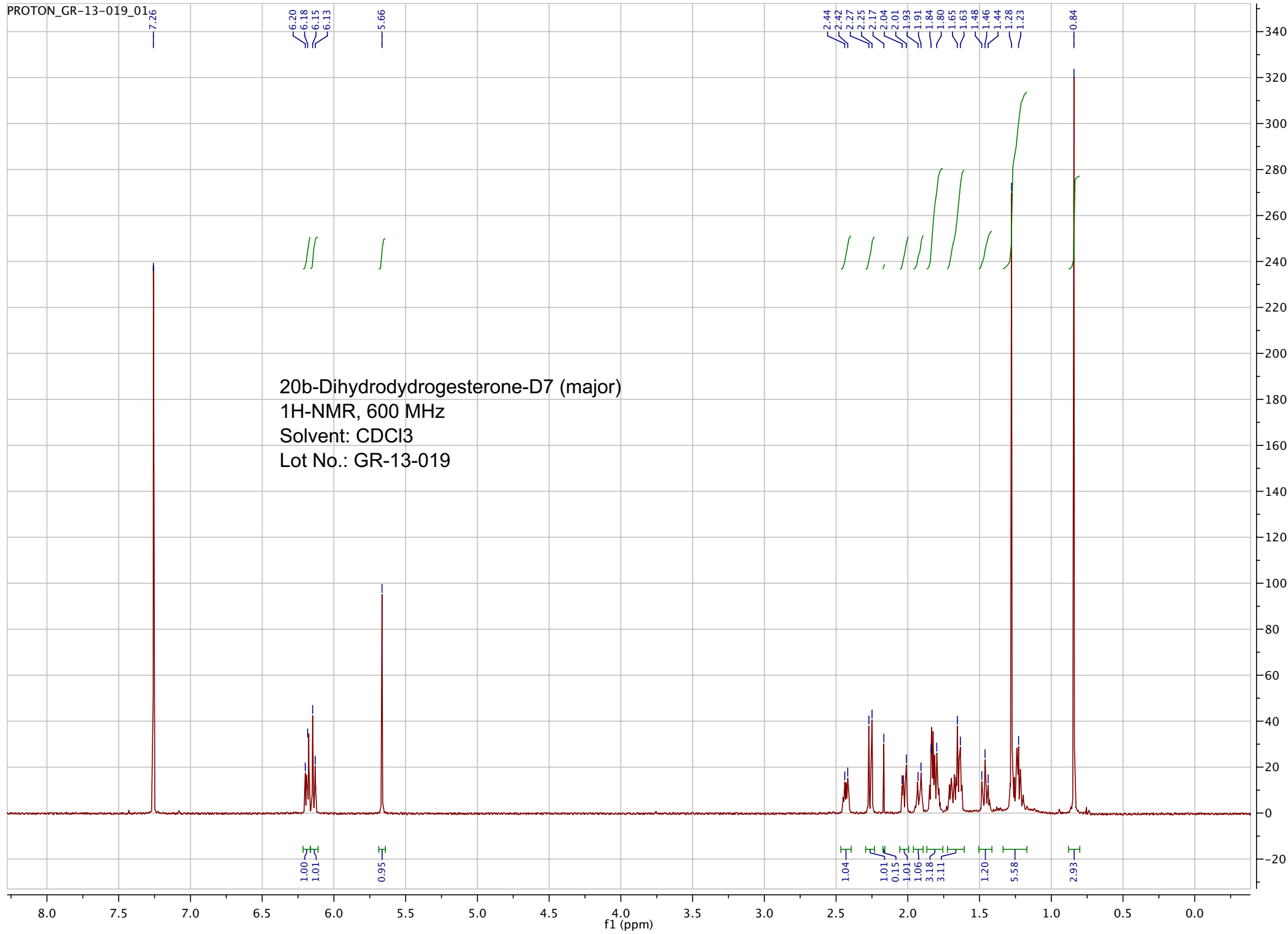
**Name:** 20 $\beta$ -Dihydrodydrogesterone-D7 (major)  
**Lot#:** GR-13-019  
**Test Date:** 03/08/2019 (re-test date: 03/08/2024)  
**CAS No.:** 4243-73-6 (unlabeled)  
**MF:** C<sub>21</sub>H<sub>23</sub>D<sub>7</sub>O<sub>2</sub>  
**MW:** 321.51  
**Appearance:** Beige Solid  
**Purity:** 98.8% by HPLC; >98% atom D  
**<sup>1</sup>H-NMR:** Conforms (contains a trace of ACN)  
**MS-ESI (+)** Conforms (shows peaks at m/z = 322.28 [M+H]<sup>+</sup>)

Approved by:

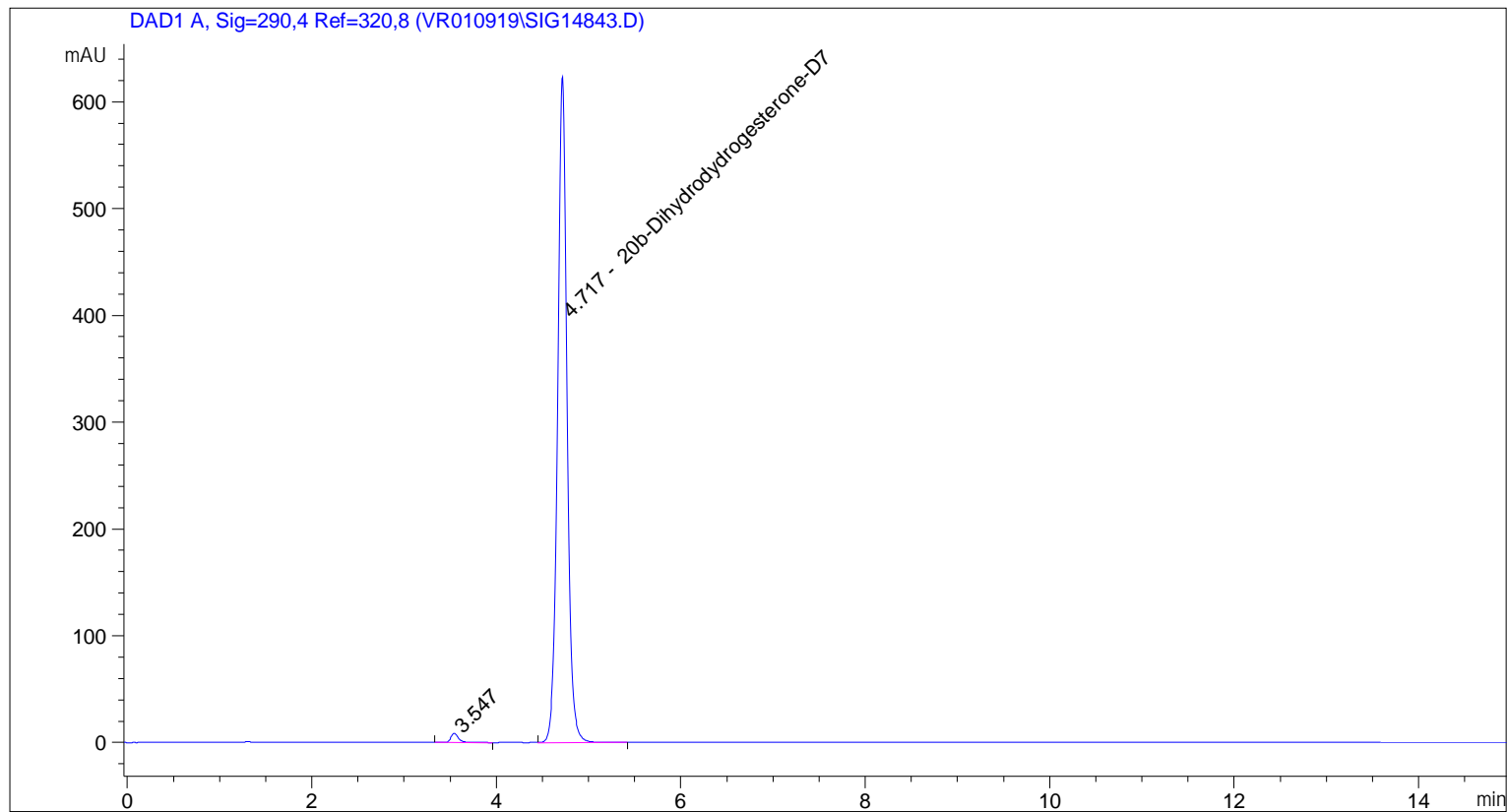
Date: 03/11/2019



Viorica Rusu, QC/QA Manager



=====  
Acq. Operator : vrusu  
Acq. Instrument : Instrument 1 Location : Vial 7  
Injection Date : 3/8/2019 8:25:54 AM Inj Volume : 15.0 µl  
Acq. Method : C:\CHEM32\1\METHODS\VR030819\_019.M  
Last changed : 3/8/2019 8:20:32 AM by vrusu  
Analysis Method : C:\CHEM32\1\METHODS\VR030819\_019PM.M  
Last changed : 3/8/2019 8:42:54 AM by vrusu



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

Sorted By : Signal  
Calib. Data Modified : Friday, March 08, 2019 8:42:09 AM  
Multiplier: : 1.0000  
Dilution: : 1.0000  
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=290,4 Ref=320,8

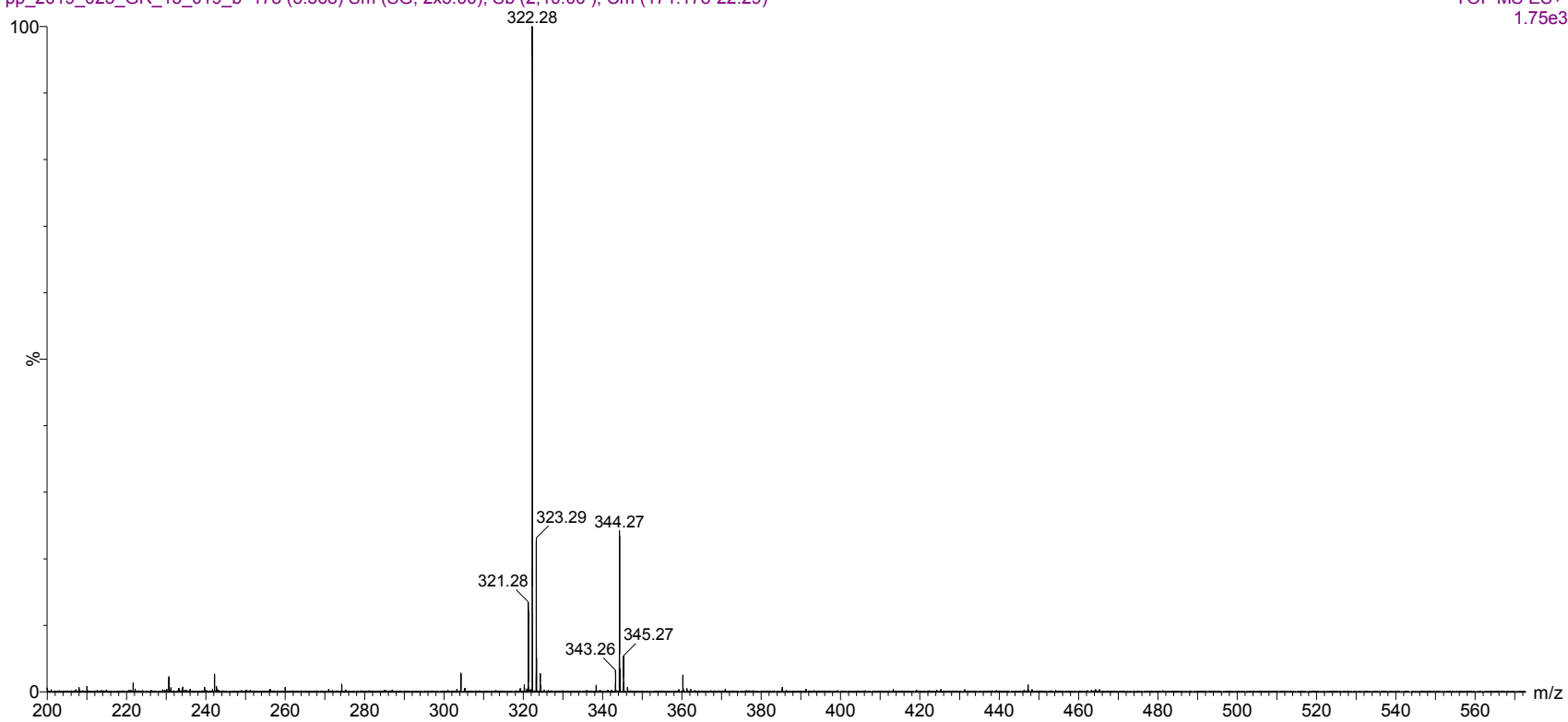
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	3.547	BB	0.0903	52.09818	1.1856	?
2	4.717	VB	0.1051	4342.03174	98.8144	20b-Dihydrodydrogesterone-D7

Totals : 4394.12992

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

pp\_2019\_023\_GR\_13\_019\_b 178 (3.368) Sm (SG, 2x5.00); Sb (2,10.00 ); Cm (171:178-22:29)

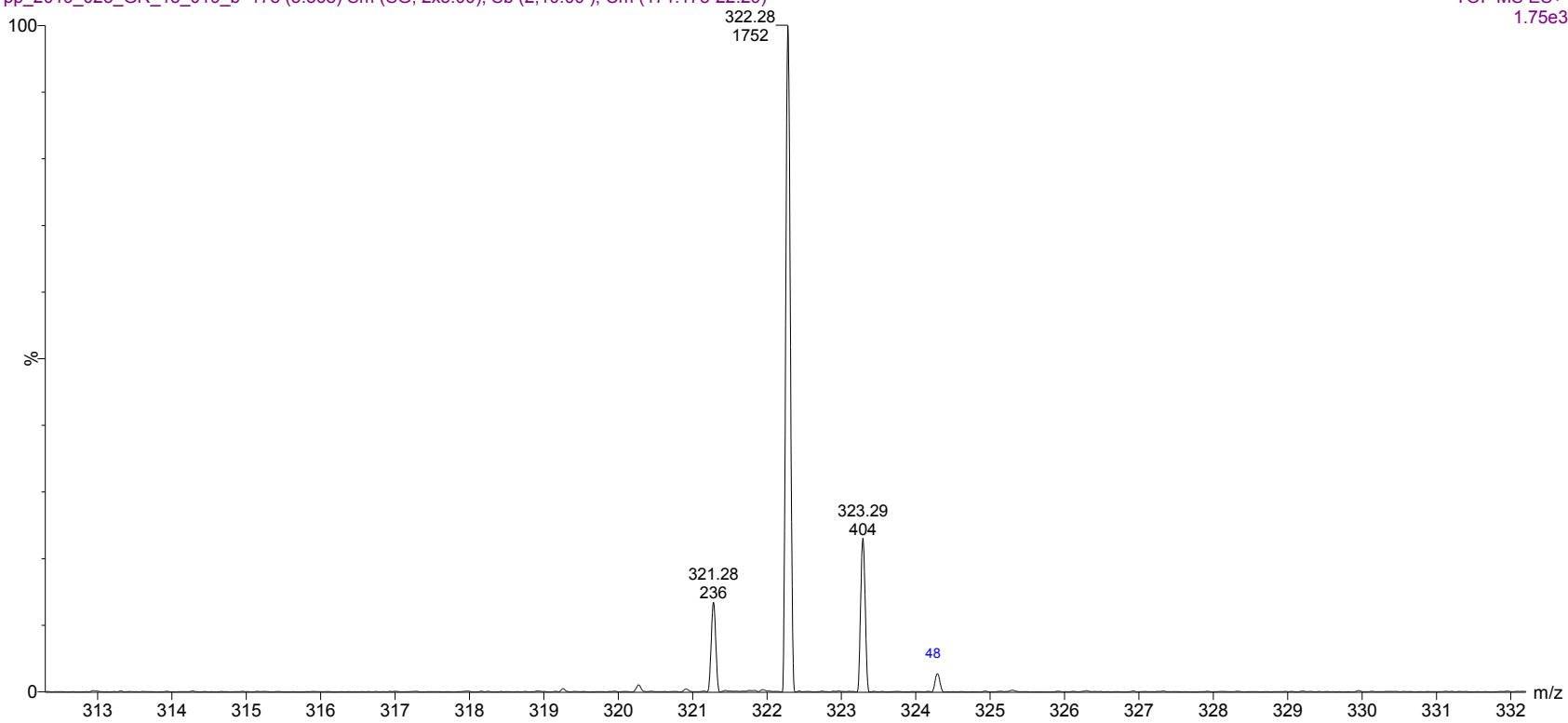
TOF MS ES+  
1.75e3



ESI-MS spectrum for sample GR-13-019. Shows monoisotopic [M+H]<sup>+</sup> mass.

pp\_2019\_023\_GR\_13\_019\_b 178 (3.368) Sm (SG, 2x5.00); Sb (2,10.00 ); Cm (171:178-22:29)

TOF MS ES+  
1.75e3



Expansion of above.