

<b>Name:</b>	<b>N-Nitroso Cinacalcet-D3 (mixture of diastereomers)</b>
<b>Lot#:</b>	GR-19-091
<b>Test Date:</b>	10/29/2024 (re-test date: 10/29/2029)
<b>CAS No.:</b>	NA
<b>MF:</b>	C <sub>22</sub> H <sub>18</sub> D <sub>3</sub> F <sub>3</sub> N <sub>2</sub> O
<b>MW:</b>	389.43
<b>Appearance:</b>	Pale yellow oil
<b>Purity:</b>	99.8% CP by HPLC (average of two sample preparations, sum of two isomers); 99% atom D
<b><sup>1</sup>H-NMR:</b>	Conforms
<b>MS-ESI (+)</b>	Conforms (shows peaks at m/z = 390.19 [M +H] <sup>+</sup> , 412.17 [M+Na] <sup>+</sup> )
<b>Storage</b>	Store at -18°C in a dry place away from direct sunlight

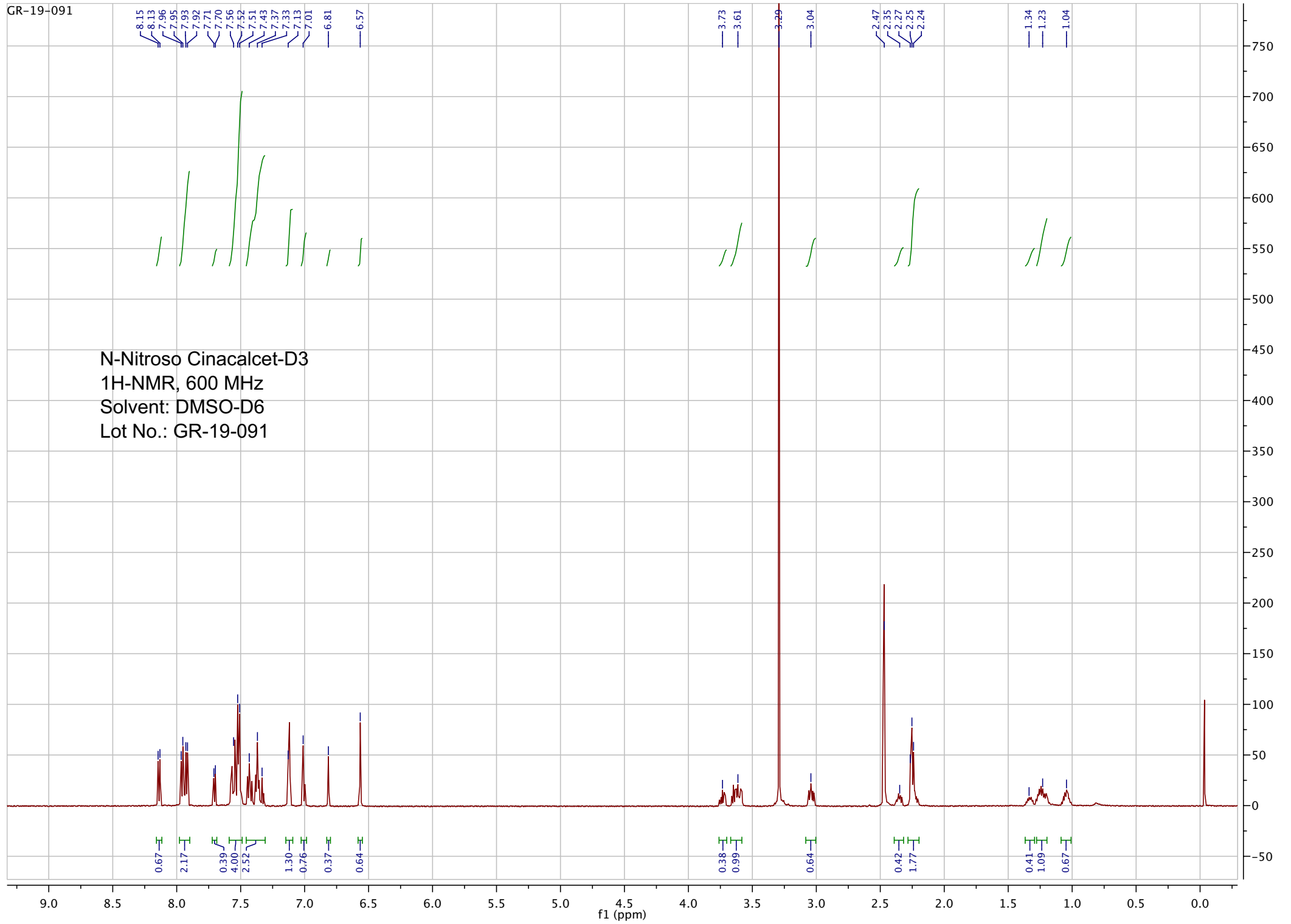
Approved by:

Date: 11/04/2024

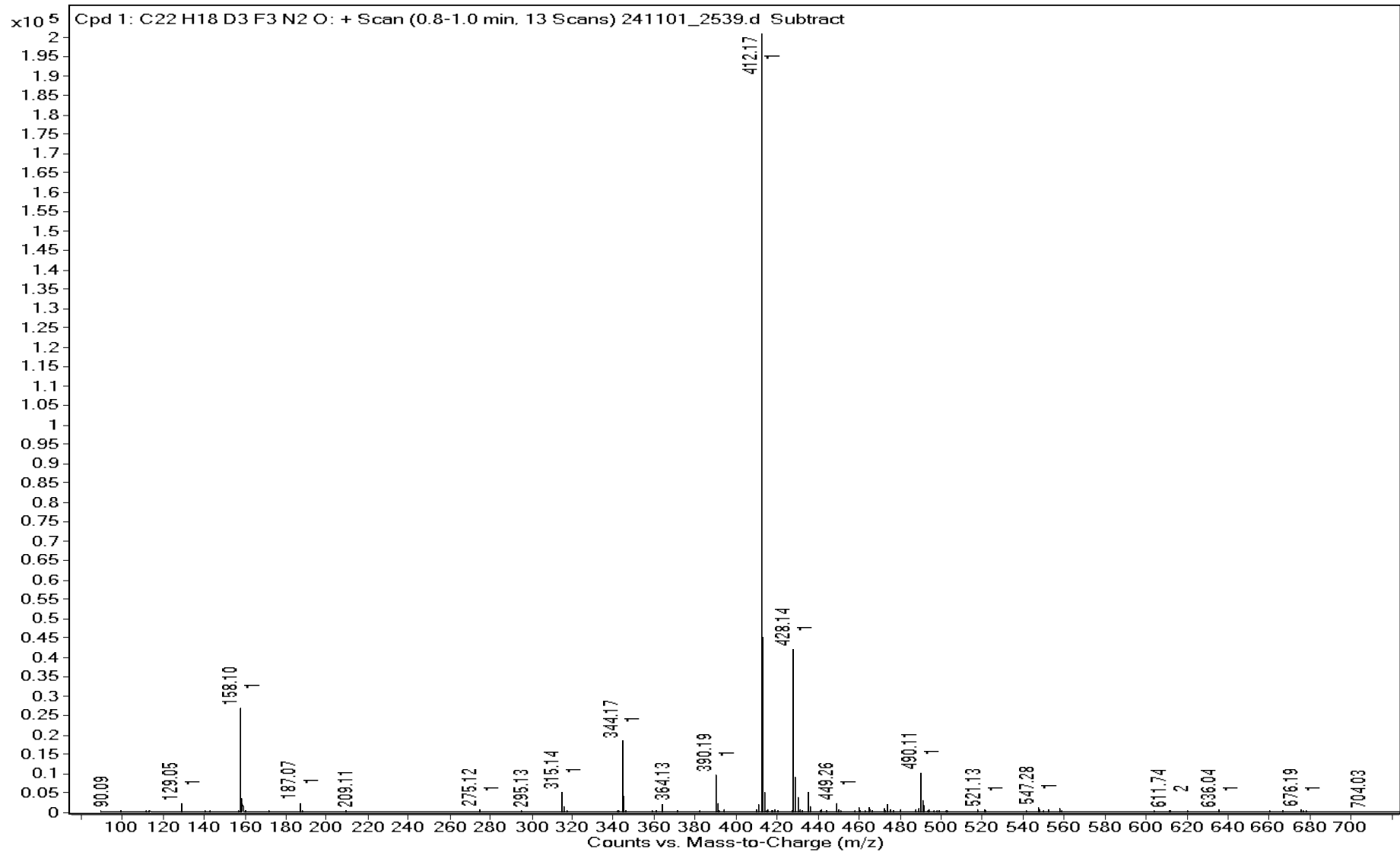


Viorica Rusu, QC/QA Manager

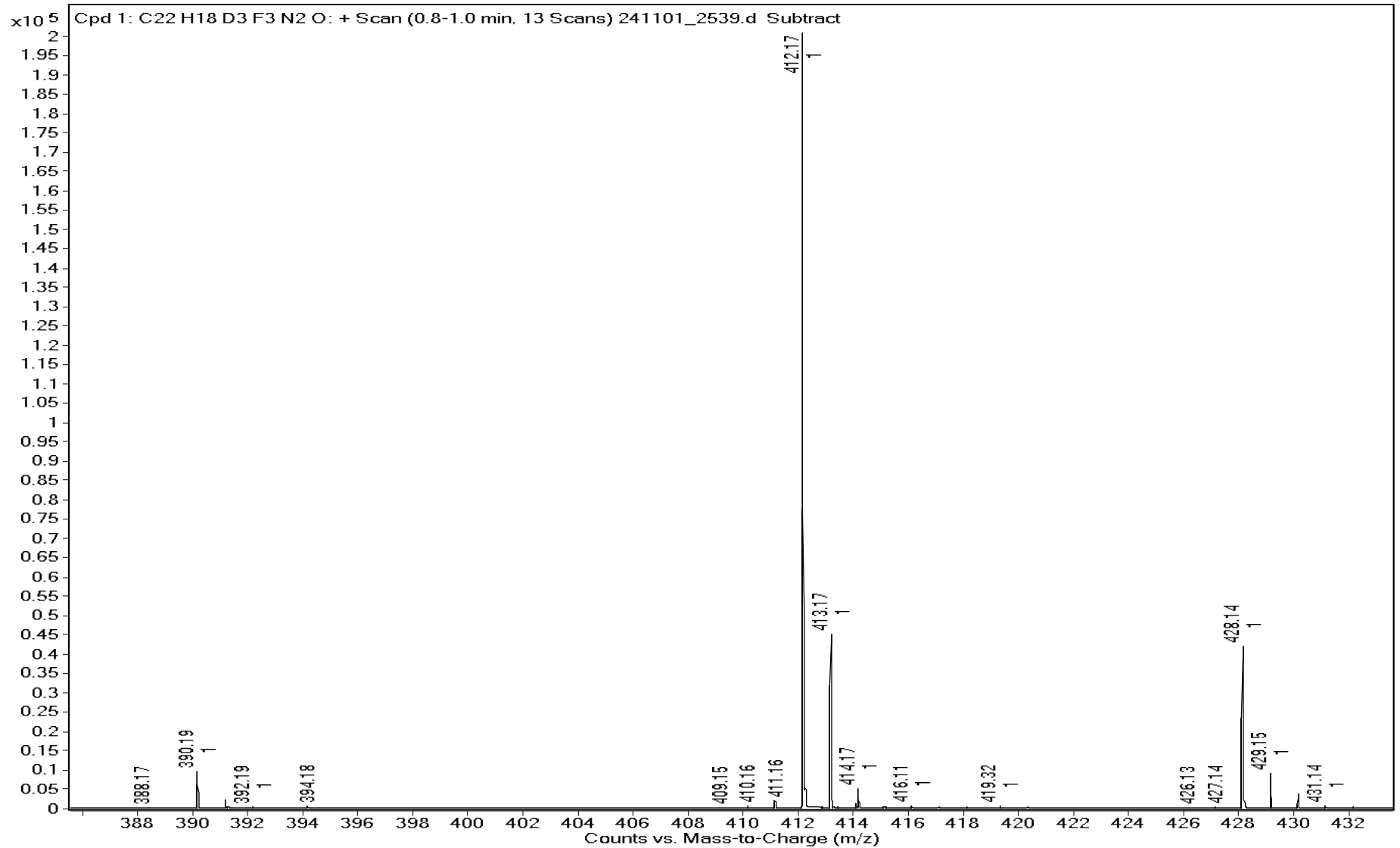
GR-19-091



<b>Sample Name</b>	GR-19-091	<b>Data File</b>	241101_2539.d	<b>Acq Method</b>	HRMS.m
<b>DA Method</b>	AIMS_Accurate_Mass.m	<b>Instrument</b>	Agilent 6538 UHD	<b>Acq Date, Time</b>	01/11/2024 3:05:19 PM
<b>Comment</b>	ESI+				



<b>Sample Name</b>	GR-19-091	<b>Data File</b>	241101_2539.d	<b>Acq Method</b>	HRMS.m
<b>DA Method</b>	AIMS_Accurate_Mass.m	<b>Instrument</b>	Agilent 6538 UHD	<b>Acq Date, Time</b>	01/11/2024 3:05:19 PM
<b>Comment</b>	ESI+				



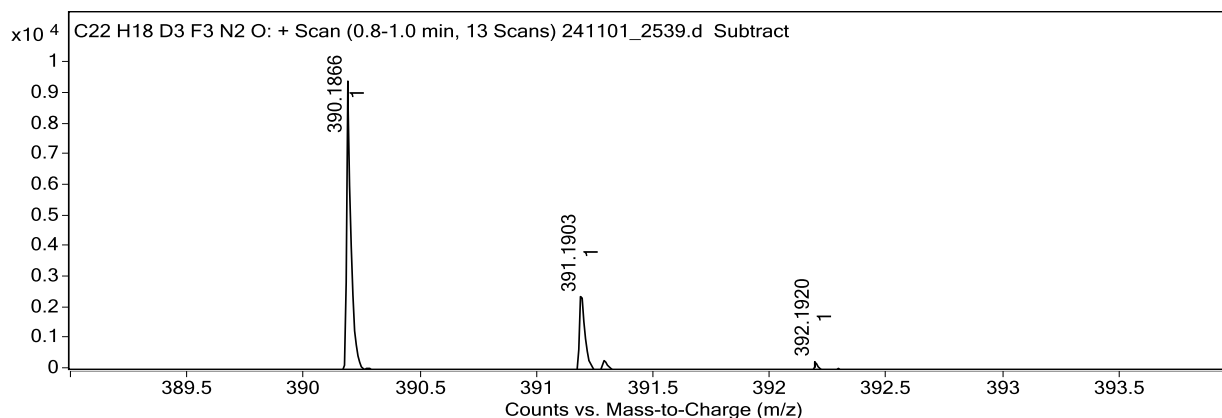
<b>Sample Name</b>	GR-19-091	<b>Data File</b>	241101_2539.d
<b>Acq Method</b>	HRMS.m	<b>DA Method</b>	AIMS_Accurate_Mass.m
<b>Instrument</b>	Agilent 6538 UHD	<b>Acq Date, Time</b>	01/11/2024 3:05:19 PM
<b>Comment</b>	ESI+		

### Target Ion Species

Ion Species	m/z	Ionic Formula
(M+H) <sup>+</sup>	390.1866	C22 H19 D3 F3 N2 O

### MFG Calculator Results

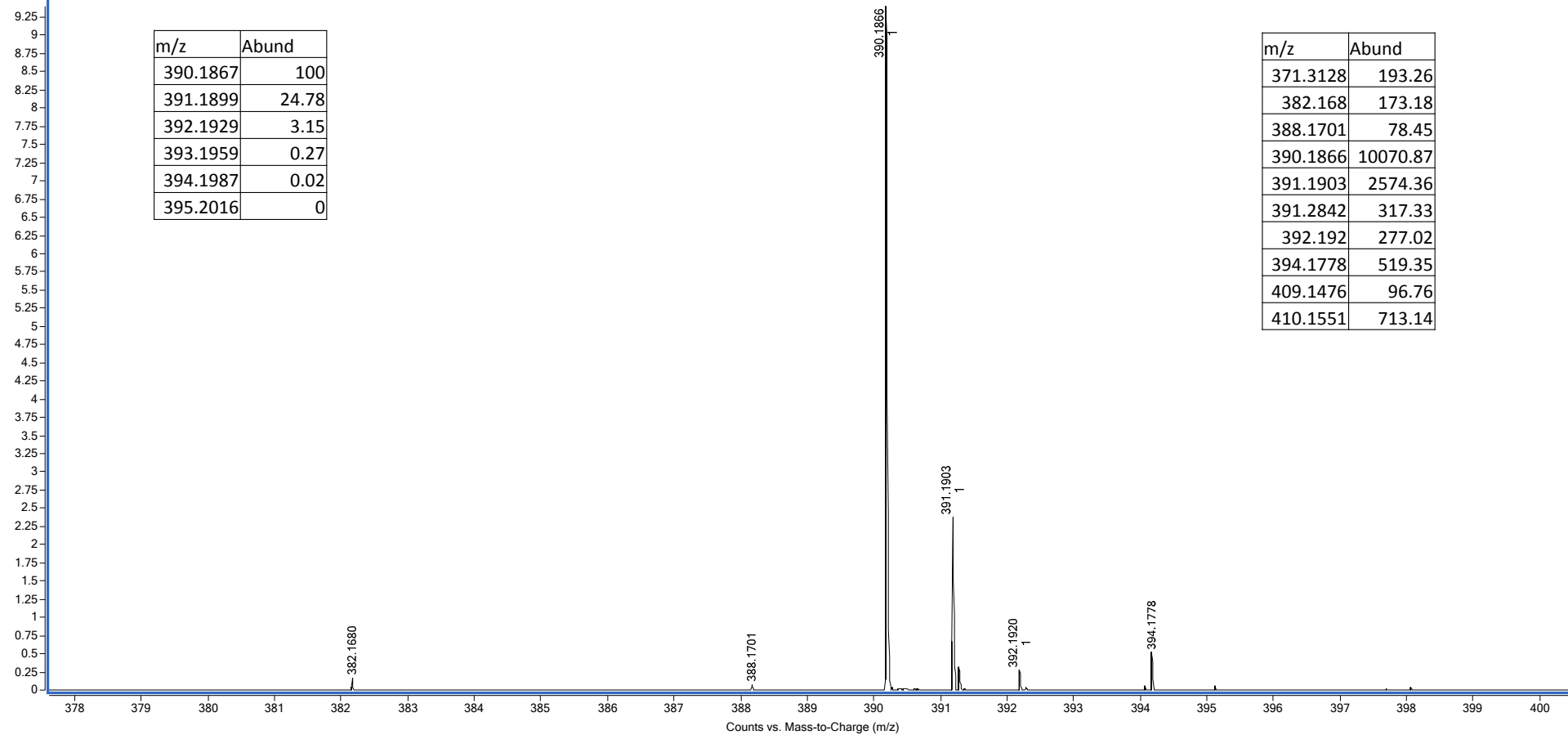
Target m/z	Ionic Formula	Calc m/z	+/- (mDa)	+/- (ppm)	DBE	MFG Score
390.1866	C22 H19 D3 F3 N2 O	390.1867	-0.1	-0.3	12.0	99.43
390.1866	C20 H16 D3 N8 O	390.1865	0.1	0.3	16.0	98.12
390.1866	C25 H18 D3 F2 N2	390.1856	1.0	2.6	16.0	95.18
390.1866	C17 H17 D3 F N8 O2	390.1876	-1.0	-2.6	12.0	93.90
390.1866	C16 H21 D3 F N4 O6	390.1863	0.3	0.8	7.0	90.76
390.1866	C19 H20 D3 N4 O5	390.1851	1.5	3.8	11.0	90.13
390.1866	C24 H20 D3 N2 O3	390.1891	-2.5	-6.4	15.0	85.26
390.1866	C13 H22 D3 F2 N4 O7	390.1874	-0.8	-2.1	3.0	83.29
390.1866	C14 H18 D3 F2 N8 O3	390.1887	-2.1	-5.4	8.0	80.49
390.1866	C15 H25 D3 F O10	390.1849	1.7	4.4	2.0	78.80



### Predicted Isotope Match Table

Isotope	m/z	Calc m/z	Diff (mDa)	Abund (%)	Calc Abund (%)	+/-
1	390.1866	390.1867	-0.1	100.0	100.0	0.0
2	391.1903	391.1899	0.4	25.6	24.8	-0.8
3	392.1920	392.1929	-0.9	2.8	3.1	0.3

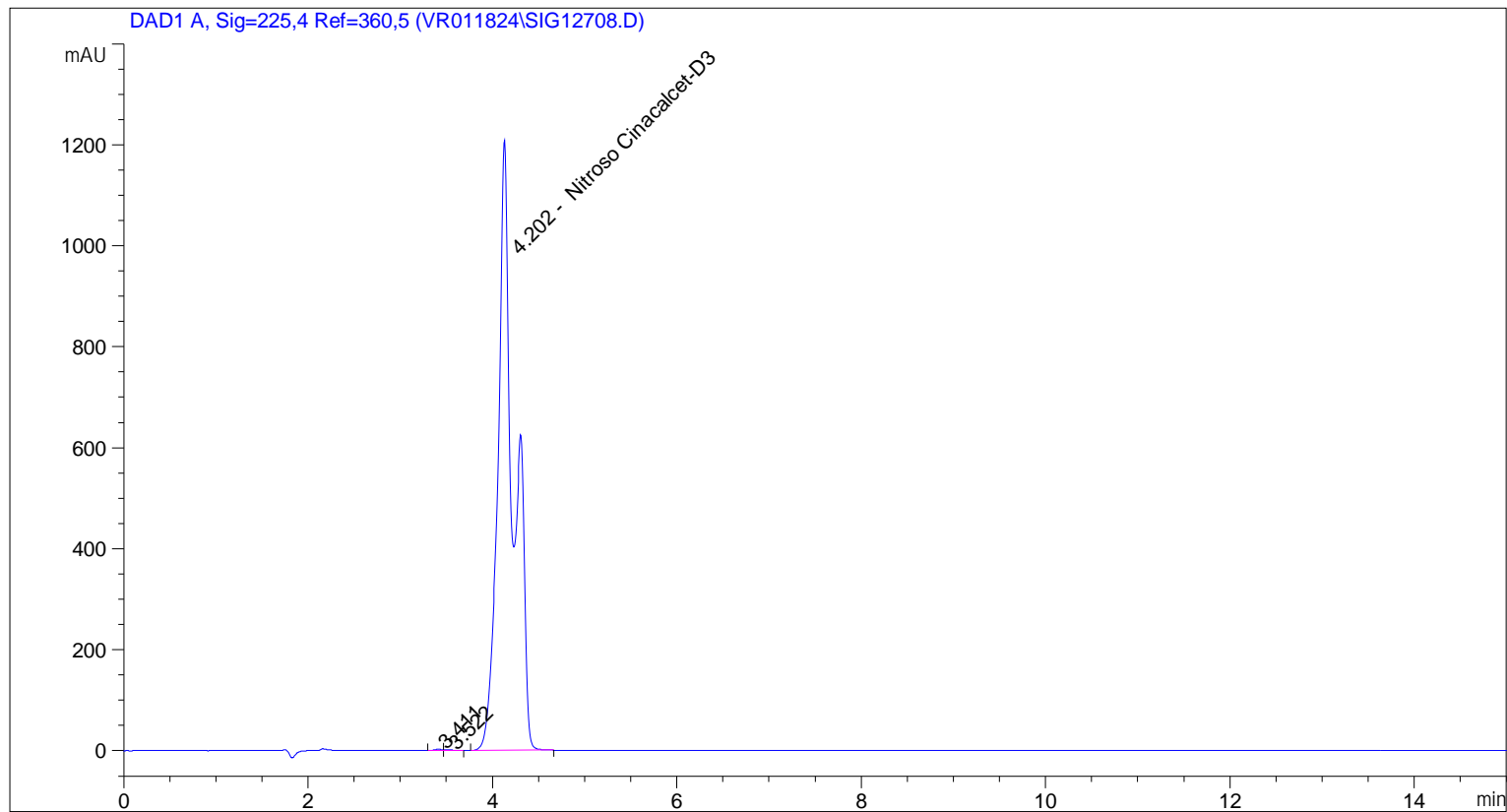
Cpd 1: C22 H18 D3 F3 N2 O: + Scan (0.8-1.0 min, 13 Scans) 241101\_2539.d Subtract



m/z	Abund
390.1867	100
391.1899	24.78
392.1929	3.15
393.1959	0.27
394.1987	0.02
395.2016	0

m/z	Abund
371.3128	193.26
382.168	173.18
388.1701	78.45
390.1866	10070.87
391.1903	2574.36
391.2842	317.33
392.192	277.02
394.1778	519.35
409.1476	96.76
410.1551	713.14

=====  
Acq. Operator : vrusu  
Acq. Instrument : Instrument 1 Location : Vial 94  
Injection Date : 10/29/2024 9:44:32 AM Inj Volume : 5.0 µl  
Acq. Method : C:\CHEM32\1\METHODS\VR102924\_091.M  
Last changed : 10/29/2024 9:43:25 AM by vrusu  
Analysis Method : C:\CHEM32\1\METHODS\VR102924\_091PM.M  
Last changed : 10/29/2024 10:29:37 AM by vrusu



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

Sorted By : Signal  
Calib. Data Modified : 10/29/2024 10:29:03 AM  
Multiplier: : 1.0000  
Dilution: : 1.0000  
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=225,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	3.411	BV	0.0773	13.67224	0.0949	?
2	3.522	VB	0.0836	10.42330	0.0723	?
3	4.202	BBA+	0.1985	1.43833e4	99.8328	Nitroso Cinacalcet-D3

Totals : 1.44074e4

1 Warnings or Errors :

Sample Name: GR-19-091

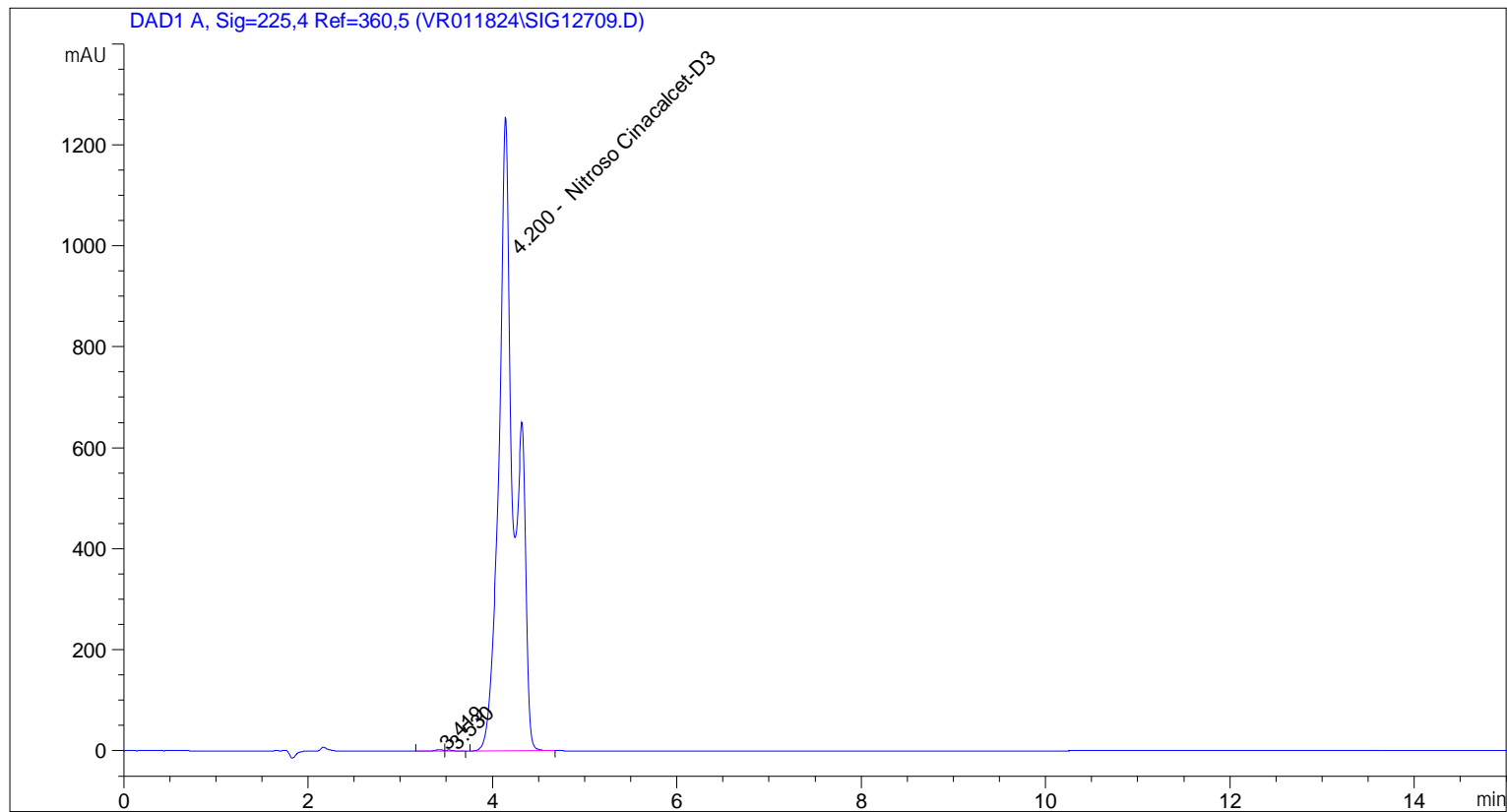
Warning : Calibration warnings (see calibration table listing)

=====

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



=====  
Acq. Operator : vrusu  
Acq. Instrument : Instrument 1 Location : Vial 95  
Injection Date : 10/29/2024 10:01:54 AM Inj Volume : 5.0 µl  
Acq. Method : C:\CHEM32\1\METHODS\VR102924\_091.M  
Last changed : 10/29/2024 10:00:48 AM by vrusu  
Analysis Method : C:\CHEM32\1\METHODS\VR102924\_091PM.M  
Last changed : 10/29/2024 10:29:37 AM by vrusu



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

Sorted By : Signal  
Calib. Data Modified : 10/29/2024 10:29:03 AM  
Multiplier: : 1.0000  
Dilution: : 1.0000  
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=225,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	3.419	BV	0.0908	18.77086	0.1237	?
2	3.530	VB	0.0859	11.62847	0.0766	?
3	4.200	BBA+	0.2012	1.51405e4	99.7996	Nitroso Cinacalcet-D3

Totals : 1.51709e4

1 Warnings or Errors :

Sample Name: GR-19-091 spl-2

Warning : Calibration warnings (see calibration table listing)

=====

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