

Instrument Information

MS Model	G6546A	Run Date/Time	2025-04-11 17:07:13-0400
Serial Number	SG2236E201	Last Tuned by	SYSTEM
Firmware Revision	27.851	Last Modified by	SYSTEM
Source Type	Dual AJS ESI	Slicer Mode	High Resolution (Position: 5)
Mass Range	Low (1700 m/z)	Instrument Mode	Standard Resolution (10GHz)
Ion Polarity	Negative	Tune Type	TOFMassCalibration-1700mzRange
SureMass Optimization	Not Enabled		
Tune File Name	TOFMassCalibration-1700mzRange.tun		

Negative Polarity Results

TOF Results

TOF Mass Calibration Data

Theoretical	Actual	Time	Abundance	Calibration Abundance	Resolution	Primary Residuals	Corrected Residuals
112.985587	112.985587	28.481347	868,188	864,974	36,198	-0.97	0.00
301.998139	301.998141	45.765402	948,638	946,388	53,996	1.57	0.01
601.978977	601.978966	64.095727	2,047,191	938,950	59,985	1.07	-0.02
1033.988109	1033.988140	83.612484	2,490,320	929,157	65,001	0.08	0.03
1333.968947	1333.968913	94.799029	3,640,794	915,216	66,642	-0.61	-0.03
1633.949786	1633.949797	104.783776	3,090,230	856,626	67,524	-1.13	0.01

Setpoints

Source Settings

Gas Temperature(°C)	325	Drying Gas(l/min)	5.0
Nebulizer Pressures(psi)	20	Capillary(V)	3500
Sheath Gas Temperature(°C)	275	Sheath Gas Flow(l/min)	12.0
Nozzle Voltage(V)	2000		

Source Actuals

Gas Temperature(°C)	325	Drying Gas(l/min)	5.0
Nebulizer Pressures(psi)	20	Capillary(V)	3500
Cap Current(μA)	4.002	Chamber Current(μA)	0.37

Optics 1

Fragmentor(V)	-165	Skimmer(V)	-45.0
Oct 1 RF Vpp(V)	750	Oct 1 DC(V)	-26.8
Lens 1(V)	-25.3	Lens 2(V)	-17.9
Lens 2 RF Enable(False/True)	1	Lens 2 RF Voltage(V)	0
Lens 2 RF Phase(deg)	162		

Quad

TTI Quad AMU(amu)	100.0	Quad DC(V)	-23.4
Post Filter DC(V)	-23.3		

Cell

Collision Cell Gas Flow(psi)	25.0	Hex RF(V)	550
Hex DC(V)	-21.3	Hex Delta(V)	7.0
Cell Entrance(V)	-22.3	Hex 2 RF(V)	600
Hex 2 DC(V)	-14.3	Hex 2 DV(V)	1.0

Optics 2

Ion Focus(V)	-11.5	Extractor DC(V)	8.2
Lens 3(V)	60.7	Bottom Slit(V)	43.05
Top Slit(V)	44.70	Hex 3 DC(V)	-13.1

TOF

Pusher(V)	-1200	Pusher Offset(mV)	-41
Puller(V)	700	Puller Offset(V)	-43
Acc Focus(V)	2146	Front Mirror(V)	9000
Mid Mirror(V)	2269.7	Back Mirror(V)	-1475
Minimum Mass(m/z)	50	Maximum Mass(m/z)	1700
Acquisition Rate	1.0	Acquisition Time	1000
Acq Hold Off Delay (ns)(ns)	0		

Detector

MCP(V)	699	PreAmpOffset(DAC)	2626
Low Gain PreAmpOffset(DAC)	1193	Gain Abund Ratio	12.0
Gain T0 Offset	-0.170		

Vacuum And Temperatures

Quad Temp(°C)	100	Rough Vac(Torr)	2.46E+00
Quad Vac(Torr)	6.71E-05	TOF Vac(Torr)	1.29E-07
Turbo 1 Speed(%)	100.0	Turbo 1 Power(W)	230
Turbo 2 Speed(%)	100.0	Turbo 2 Power(W)	26

TOF Mass Calibration Coefficients

a	3904.549E-04	t0	1258.070E-03	a2	-1393.594E-06
b2	4659.526E-08	c2	-7372.239E-14	d2	2807.213E-16
e2	0000.000E+00	f2	0000.000E+00	Term Flag	0x0033
Trad	1	Poly	6		