

# QQQ Check Tune Report

**Instrument Name** BP StreamSelect  
**MS Model** G6490A  
**MS Instrument Serial** SG12345678  
**Software\_Firmware Version** 10.0.127, FW: A.00.08.88  
**Tune Date & Time** 19 April 2022 09:48:10  
**Data Path** D:\MassHunter\Tune\QQQ\G6490A\tunes.TUNE.XML  
**Ion Source** AJS ESI  
**Ionization Mode** AJS ESI  
**Tuned Resolution** All  
**Vacuum Pressure** 3.85E+0 [R] (Torr); 3.56E-5 [H] (Torr)

## Source Parameters

Parameter	Value
Gas Temp (°C)	220
Gas Flow (l/min)	19
Nebulizer (psi)	20
Capillary (V)	3000
Nozzle Voltage (V)	1500
Sheath Gas Temp (°C)	250
Sheath Gas Flow (l/min)	11

## Positive Results

**Analyzer: MS1 Polarity: Positive Width: Enhanced**

m/z Expected	m/z Measured	Delta	Result	FWHM Expected	FWHM Measured	Delta	Result	Abundance
118.09	118.07	-0.02	Pass	0.40	0.40	0.00	Pass	1085346
322.05	322.04	-0.01	Pass	0.40	0.40	0.00	Pass	677157
622.03	621.97	-0.06	Pass	0.40	0.39	-0.01	Pass	751285
922.01	921.95	-0.06	Pass	0.40	0.43	0.03	Pass	466827
1221.99	1221.94	-0.05	Pass	0.40	0.40	0.00	Pass	114034

**Analyzer: MS2 Polarity: Positive Width: Enhanced**

m/z Expected	m/z Measured	Delta	Result	FWHM Expected	FWHM Measured	Delta	Result	Abundance
118.09	118.08	-0.01	Pass	0.40	0.42	0.02	Pass	1240321
322.05	322.02	-0.03	Pass	0.40	0.41	0.01	Pass	1089543
622.03	621.98	-0.05	Pass	0.40	0.41	0.01	Pass	1135859
922.01	921.96	-0.05	Pass	0.40	0.44	0.04	Pass	788111
1221.99	1221.90	-0.09	Pass	0.40	0.43	0.03	Pass	367241

**Analyzer: MS1 Polarity: Positive Width: Unit**

m/z Expected	m/z Measured	Delta	Result	FWHM Expected	FWHM Measured	Delta	Result	Abundance
118.09	118.01	-0.08	Pass	0.70	0.70	0.00	Pass	1581365
322.05	321.96	-0.09	Pass	0.70	0.77	0.07	Pass	1482181
622.03	621.93	-0.10	Pass	0.70	0.77	0.07	Pass	1697914
922.01	921.90	-0.11	Pass	0.70	0.78	0.08	Pass	1075067
1221.99	1221.89	-0.10	Pass	0.70	0.75	0.05	Pass	541371

**Analyzer: MS2 Polarity: Positive Width: Unit**

m/z Expected	m/z Measured	Delta	Result	FWHM Expected	FWHM Measured	Delta	Result	Abundance
118.09	118.06	-0.03	Pass	0.70	0.80	0.10	Pass	2074410
322.05	322.00	-0.05	Pass	0.70	0.78	0.08	Pass	1737440
622.03	621.97	-0.06	Pass	0.70	0.75	0.05	Pass	2481048
922.01	921.91	-0.10	Pass	0.70	0.82	0.12	Pass	2282015
1221.99	1221.94	-0.05	Pass	0.70	0.81	0.11	Pass	1015891

**Analyzer: MS1 Polarity: Positive Width: Wide**

m/z Expected	m/z Measured	Delta	Result	FWHM Expected	FWHM Measured	Delta	Result	Abundance
118.09	118.01	-0.08	Pass	1.20	1.18	-0.02	Pass	1974768
322.05	322.00	-0.05	Pass	1.20	1.30	0.10	Pass	1601197
622.03	622.05	0.02	Pass	1.20	1.15	-0.05	Pass	2465597
922.01	921.96	-0.05	Pass	1.20	1.37	0.17	Pass	1504682
1221.99	1222.01	0.02	Pass	1.20	1.39	0.19	Pass	742815

**Analyzer: MS2 Polarity: Positive Width: Wide**

m/z Expected	m/z Measured	Delta	Result	FWHM Expected	FWHM Measured	Delta	Result	Abundance
118.09	118.05	-0.04	Pass	1.20	1.22	0.02	Pass	2379250
322.05	321.91	-0.14	Pass	1.20	1.38	0.18	Pass	2151756
622.03	621.96	-0.07	Pass	1.20	1.41	0.21	Pass	3183543
922.01	921.92	-0.09	Pass	1.20	1.44	0.24	Pass	3150939
1221.99	1221.96	-0.03	Pass	1.20	1.36	0.16	Pass	2012846

## Negative Results

**Analyzer: MS1 Polarity: Negative Width: Enhanced**

m/z Expected	m/z Measured	Delta	Result	FWHM Expected	FWHM Measured	Delta	Result	Abundance
112.99	112.95	-0.04	Pass	0.40	0.42	0.02	Pass	234616
302.00	301.96	-0.04	Pass	0.40	0.41	0.01	Pass	41499
601.98	601.95	-0.03	Pass	0.40	0.43	0.03	Pass	522649
1033.99	1033.93	-0.06	Pass	0.40	0.42	0.02	Pass	171214
1333.97	1333.90	-0.07	Pass	0.40	0.45	0.05	Pass	103317

**Analyzer: MS2 Polarity: Negative Width: Enhanced**

m/z Expected	m/z Measured	Delta	Result	FWHM Expected	FWHM Measured	Delta	Result	Abundance
112.99	112.97	-0.02	Pass	0.40	0.41	0.01	Pass	388117
302.00	301.96	-0.04	Pass	0.40	0.43	0.03	Pass	81477
601.98	601.95	-0.03	Pass	0.40	0.42	0.02	Pass	1603182
1033.99	1033.97	-0.02	Pass	0.40	0.41	0.01	Pass	862176
1333.97	1333.93	-0.04	Pass	0.40	0.42	0.02	Pass	785799

**Analyzer: MS1 Polarity: Negative Width: Unit**

m/z Expected	m/z Measured	Delta	Result	FWHM Expected	FWHM Measured	Delta	Result	Abundance
112.99	112.91	-0.08	Pass	0.70	0.70	0.00	Pass	369113
302.00	301.93	-0.07	Pass	0.70	0.76	0.06	Pass	90659
601.98	601.87	-0.11	Pass	0.70	0.79	0.09	Pass	1517521
1033.99	1033.88	-0.11	Pass	0.70	0.82	0.12	Pass	1645767
1333.97	1333.87	-0.10	Pass	0.70	0.81	0.11	Pass	1213465

**Analyzer: MS2 Polarity: Negative Width: Unit**

m/z Expected	m/z Measured	Delta	Result	FWHM Expected	FWHM Measured	Delta	Result	Abundance
112.99	112.96	-0.03	Pass	0.70	0.80	0.10	Pass	798033
302.00	301.96	-0.04	Pass	0.70	0.80	0.10	Pass	152927
601.98	601.91	-0.07	Pass	0.70	0.74	0.04	Pass	3053082
1033.99	1033.93	-0.06	Pass	0.70	0.72	0.02	Pass	2365051
1333.97	1333.84	-0.13	Pass	0.70	0.84	0.14	Pass	2039963

**Analyzer: MS1 Polarity: Negative Width: Wide**

m/z Expected	m/z Measured	Delta	Result	FWHM Expected	FWHM Measured	Delta	Result	Abundance
112.99	112.83	-0.16	Pass	1.20	1.19	-0.01	Pass	441689
302.00	301.93	-0.07	Pass	1.20	1.28	0.08	Pass	113773
601.98	601.94	-0.04	Pass	1.20	1.35	0.15	Pass	2528829
1033.99	1033.99	0.00	Pass	1.20	1.19	-0.01	Pass	3118989
1333.97	1333.94	-0.03	Pass	1.20	1.36	0.16	Pass	2452322

**Analyzer: MS2 Polarity: Negative Width: Wide**

m/z Expected	m/z Measured	Delta	Result	FWHM Expected	FWHM Measured	Delta	Result	Abundance
112.99	112.97	-0.02	Pass	1.20	1.20	0.00	Pass	968726
302.00	301.95	-0.05	Pass	1.20	1.29	0.09	Pass	191371
601.98	601.87	-0.11	Pass	1.20	1.44	0.24	Pass	2930175
1033.99	1033.98	-0.01	Pass	1.20	1.22	0.02	Pass	3261674
1333.97	1333.97	0.00	Pass	1.20	1.22	0.02	Pass	3233446