Instrument Tuning Report

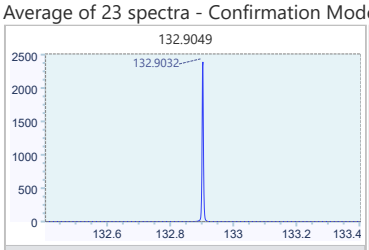
10/18/2024 9:21 AM

Instrument Name:	ZenoTOF™ 7600 System LC200	**Manufacturer:**	AB Sciex
Instrument Model:	ZenoTOF 7600 System	**Target Instrument:**	ZenoTOF 7600 System
Ion Source:	OptiFlow 1-50µL Micro/MicroCal	**Optimization Set:**	Positive Quick Status Check
Serial Number:	FB24962403		

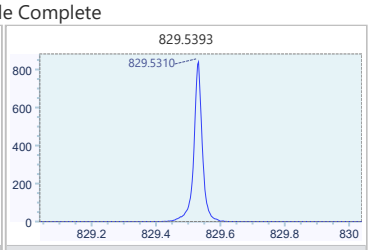
1. Positive MS Check

Step	Result	Details
Achieve Stable Spray / Modify	**Pass**	Slope: 0.000490096762122645, previous was 0.000490096762122645 Delay: -13.3728497710415, previous was -13.3728497710415

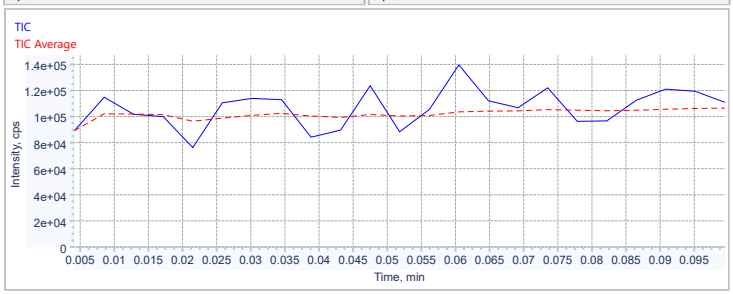
Average of 23 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	132.8049	133.0049	132.9032	Pass
Sum Intensity (cps)	1000	1e+11	11031	Pass

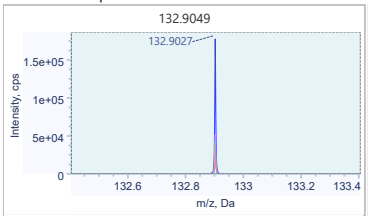


Item	Min	Max	Actual	Status
Mass (Da)	829.4393	829.6393	829.5310	Pass
Sum Intensity (cps)	1000	1e+11	9102.1	Pass

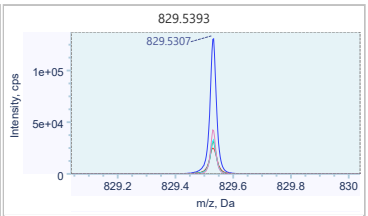


Channel Alignment	**Pass**	

Sum of 10 spectra



Item	Min	Max	Actual	Status
Mass (Da)	132.6549	133.1549	132.9027	Pass
Resolution	0	100000	35386	Pass
Sum Intensity (cps)	0	1e+11	7.3175e+05	Pass



Item	Min	Max	Actual	Status
Mass (Da)	829.2893	829.7893	829.5307	Pass
Resolution	0	100000	35788	Pass
Sum Intensity (cps)	0	1e+11	1.3341e+06	Pass

Align to channel: 2 Result: Pass

Item	Min	Max	Initial	Actual	Status
Channel 1 vs. 2 Slope	-50	50	-0.125542294	-0.123130913	Pass
Channel 1 vs. 2 Intercept	-50	50	-10.543079668	-10.372776107	Pass
Channel 3 vs. 2 Slope	-50	50	0.066304499	0.077144105	Pass
Channel 3 vs. 2 Intercept	-50	50	-3.218837511	-3.966405707	Pass
Channel 4 vs. 2 Slope	-50	50	0.109388782	0.125458054	Pass
Channel 4 vs. 2 Intercept	-50	50	10.090645669	9.28723936	Pass

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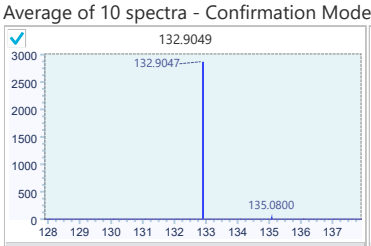
Instrument Name:	ZenoTOF™ 7600 System LC200	**Manufacturer:**	AB Sciex
Instrument Model:	ZenoTOF 7600 System	**Target Instrument:**	ZenoTOF 7600 System
Ion Source:	OptiFlow 1-50µL Micro/MicroCal	**Optimization Set:**	Positive Quick Status Check
Serial Number:	FB24962403		

TOF MS Mass Check

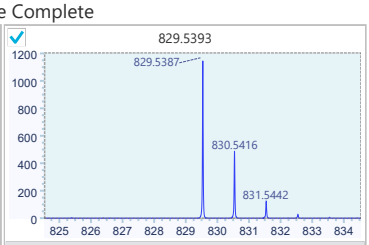
Pass

Slope: 0.000490098221744429, previous was 0.000490096762122645
Delay: -13.4352638707584, previous was -13.3728497710415

Average of 10 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	132.8049	133.0049	132.9047	Pass
Resolution	21000	100000	29287	Pass
Sum Intensity (cps)	1000	1e+11	13268	Pass
Error (ppm)	-2.00	2.00	-1.24786	Pass



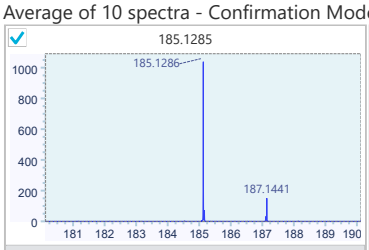
Item	Min	Max	Actual	Status
Mass (Da)	829.4393	829.6393	829.5387	Pass
Resolution	29000	100000	34483	Pass
Sum Intensity (cps)	1000	1e+11	12071	Pass
Error (ppm)	-2.00	2.00	-0.72833	Pass

TOF MS/MS Mass Check

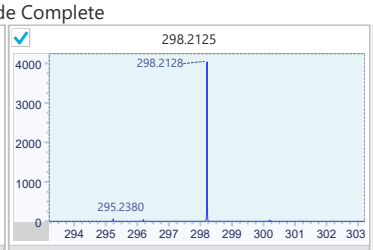
Pass

Slope: 0.000490097162096909, previous was 0.000490096468517895
Delay: -13.4794792062629, previous was -13.4166807011444

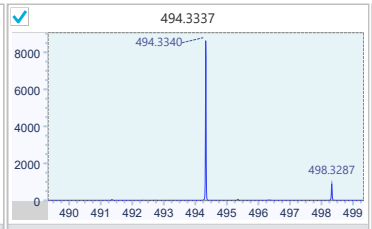
Average of 10 spectra - Confirmation Mode Complete



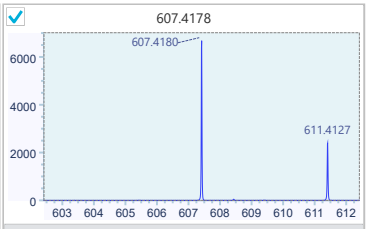
Item	Min	Max	Actual	Status
Mass (Da)	185.0285	185.2285	185.1286	Pass
Resolution	21000	100000	24455	Pass
Sum Intensity (cps)	100	1e+11	7134.9	Pass
Error (ppm)	-2.00	2.00	0.37789	Pass



Item	Min	Max	Actual	Status
Mass (Da)	298.1125	298.3125	298.2128	Pass
Resolution	22000	100000	29035	Pass
Sum Intensity (cps)	100	1e+11	29904	Pass
Error (ppm)	-2.00	2.00	1.01383	Pass



Item	Min	Max	Actual	Status
Mass (Da)	494.2337	494.4337	494.3340	Pass
Resolution	25000	100000	32283	Pass
Sum Intensity (cps)	100	1e+11	73700	Pass
Error (ppm)	-2.00	2.00	0.67373	Pass



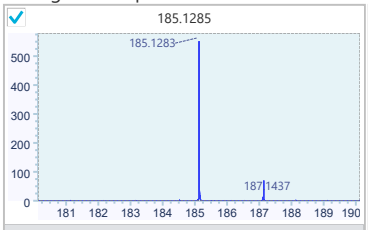
Item	Min	Max	Actual	Status
Mass (Da)	607.3178	607.5178	607.4180	Pass
Resolution	26000	100000	30368	Pass
Sum Intensity (cps)	100	1e+11	67728	Pass
Error (ppm)	-2.00	2.00	0.28595	Pass

TOF MS/MS Mass Check Zeno On

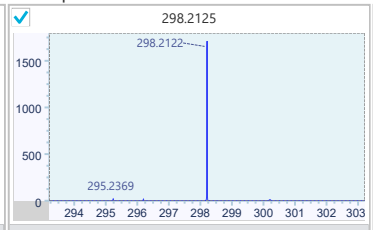
Pass

Slope: 0.000490098257810614, previous was 0.000490097249979849
Delay: -13.4540736276457, previous was -13.4309897449942

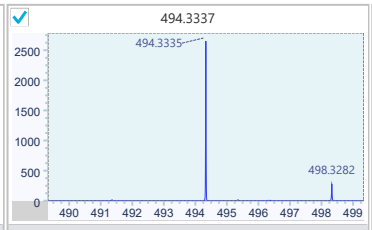
Average of 10 spectra - Confirmation Mode Complete



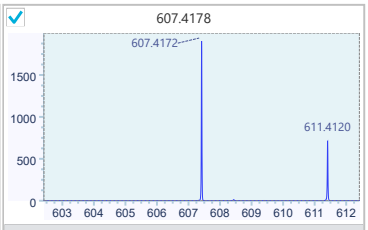
Item	Min	Max	Actual	Status
Mass (Da)	185.0285	185.2285	185.1283	Pass
Resolution	21000	100000	27829	Pass
Sum Intensity (cps)	100	1e+11	3357.3	Pass
Error (ppm)	-2.00	2.00	-1.11037	Pass



Item	Min	Max	Actual	Status
Mass (Da)	298.1125	298.3125	298.2122	Pass
Resolution	22000	100000	32494	Pass
Sum Intensity (cps)	100	1e+11	10861	Pass
Error (ppm)	-2.00	2.00	-0.9779	Pass



Item	Min	Max	Actual	Status
Mass (Da)	494.2337	494.4337	494.3335	Pass
Resolution	25000	100000	33005	Pass
Sum Intensity (cps)	100	1e+11	20942	Pass
Error (ppm)	-2.00	2.00	-0.42069	Pass



Item	Min	Max	Actual	Status
Mass (Da)	607.3178	607.5178	607.4172	Pass
Resolution	26000	100000	33034	Pass
Sum Intensity (cps)	100	1e+11	17094	Pass
Error (ppm)	-2.00	2.00	-1.03577	Pass