Instrument Tuning Report

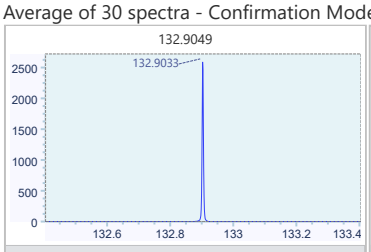
11/14/2024 1:32 PM

Instrument Name:	ZenoTOF™ 7600 System	**Manufacturer:**	AB Sciex
Instrument Model:	ZenoTOF 7600 System	**Target Instrument:**	ZenoTOF 7600 System
Ion Source:	OptiFlow 50-200µL Micro/MicroCal	**Optimization Set:**	Positive Quick Status Check
Serial Number:	FB24962403		

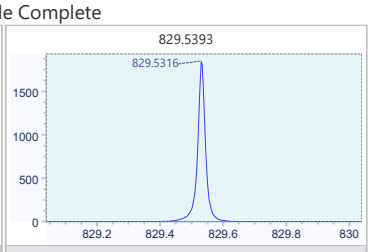
1. Positive MS Check

Step	Result	Details
Achieve Stable Spray / Modify	**Pass**	Slope: 0.00049011915417191, previous was 0.00049011915417191 Delay: -13.4211588177695, previous was -13.4211588177695

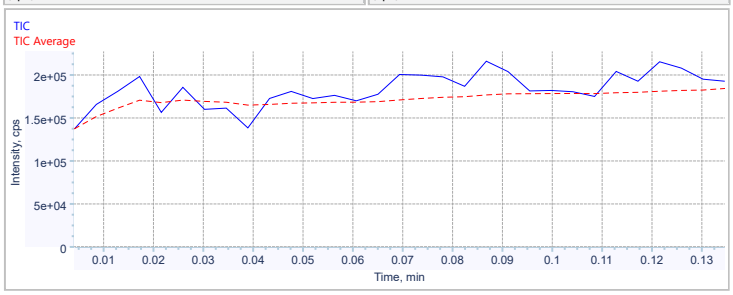
Average of 30 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	132.8049	133.0049	132.9033	Pass
Sum Intensity (cps)	1000	1e+11	12232	Pass

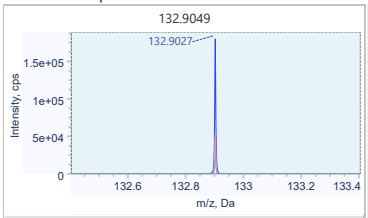


Item	Min	Max	Actual	Status
Mass (Da)	829.4393	829.6393	829.5316	Pass
Sum Intensity (cps)	1000	1e+11	19357	Pass

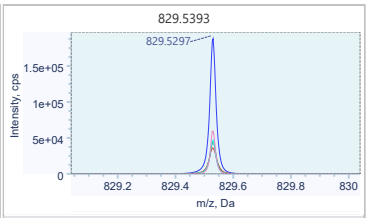


Step	Result
Channel Alignment	**Pass**

Sum of 10 spectra



Item	Min	Max	Actual	Status
Mass (Da)	132.6549	133.1549	132.9027	Pass
Resolution	0	100000	33962	Pass
Sum Intensity (cps)	0	1e+11	7.8993e+05	Pass



Item	Min	Max	Actual	Status
Mass (Da)	829.2893	829.7893	829.5297	Pass
Resolution	0	100000	36478	Pass
Sum Intensity (cps)	0	1e+11	1.9333e+06	Pass

Align to channel: 2 Result: Pass

Item	Min	Max	Initial	Actual	Status
Channel 1 vs. 2 Slope	-50	50	-0.126298304	-0.125020072	Pass
Channel 1 vs. 2 Intercept	-50	50	-11.413154947	-10.208557454	Pass
Channel 3 vs. 2 Slope	-50	50	0.076260159	0.076531736	Pass
Channel 3 vs. 2 Intercept	-50	50	-3.752435641	-3.755834018	Pass
Channel 4 vs. 2 Slope	-50	50	0.131201677	0.12869308	Pass
Channel 4 vs. 2 Intercept	-50	50	8.429155041	9.084837768	Pass

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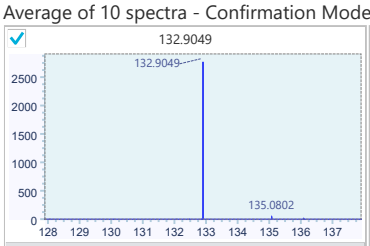
Instrument Model:	ZenoTOF 7600 System	**Target Instrument:**	ZenoTOF 7600 System
Ion Source:	OptiFlow 50-200µL Micro/MicroCal	**Optimization Set:**	Positive Quick Status Check
Serial Number:	FB24962403		

TOF MS Mass Check

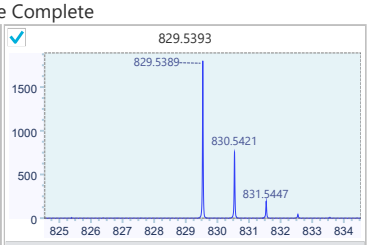
Pass

Slope: 0.000490121080626083, previous was 0.00049011915417191
Delay: -13.4666123420202, previous was -13.4211588177695

Average of 10 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	132.8049	133.0049	132.9049	Pass
Resolution	21000	100000	29237	Pass
Sum Intensity (cps)	1000	1e+11	12972	Pass
Error (ppm)	-2.00	2.00	-0.11255	Pass



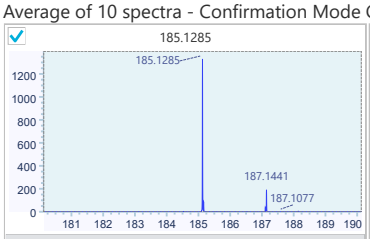
Item	Min	Max	Actual	Status
Mass (Da)	829.4393	829.6393	829.5389	Pass
Resolution	29000	100000	35150	Pass
Sum Intensity (cps)	1000	1e+11	19067	Pass
Error (ppm)	-2.00	2.00	-0.43594	Pass

TOF MS/MS Mass Check

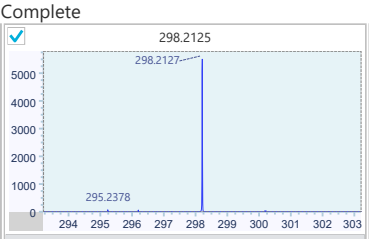
Pass

Slope: 0.000490120020005401, previous was 0.000490118201860901
Delay: -13.493605766298, previous was -13.4980239786222

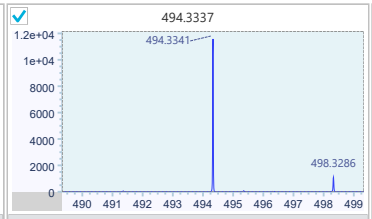
Average of 10 spectra - Confirmation Mode Complete



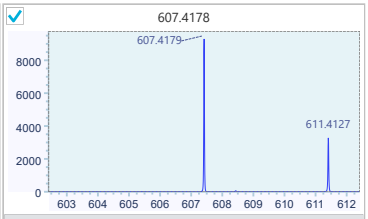
Item	Min	Max	Actual	Status
Mass (Da)	185.0285	185.2285	185.1285	Pass
Resolution	21000	100000	23306	Pass
Sum Intensity (cps)	100	1e+11	9690.6	Pass
Error (ppm)	-2.00	2.00	0.21505	Pass



Item	Min	Max	Actual	Status
Mass (Da)	298.1125	298.3125	298.2127	Pass
Resolution	22000	100000	29384	Pass
Sum Intensity (cps)	100	1e+11	40615	Pass
Error (ppm)	-2.00	2.00	0.73998	Pass



Item	Min	Max	Actual	Status
Mass (Da)	494.2337	494.4337	494.3341	Pass
Resolution	25000	100000	31697	Pass
Sum Intensity (cps)	100	1e+11	99077	Pass
Error (ppm)	-2.00	2.00	0.74249	Pass



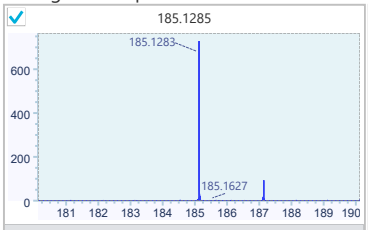
Item	Min	Max	Actual	Status
Mass (Da)	607.3178	607.5178	607.4179	Pass
Resolution	26000	100000	30457	Pass
Sum Intensity (cps)	100	1e+11	92392	Pass
Error (ppm)	-2.00	2.00	0.15921	Pass

TOF MS/MS Mass Check Zeno On

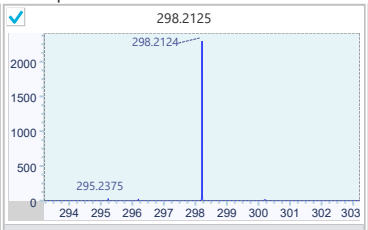
Pass

Slope: 0.000490121030609039, previous was 0.000490119449824009
Delay: -13.4776990437519, previous was -13.4903094474059

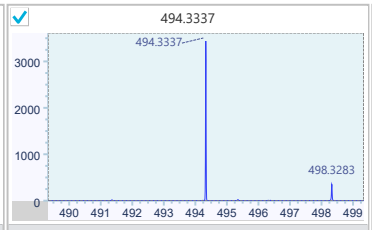
Average of 10 spectra - Confirmation Mode Complete



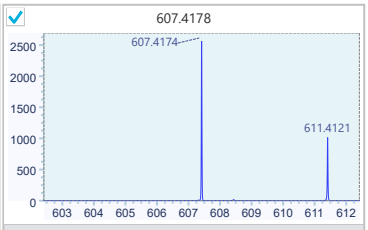
Item	Min	Max	Actual	Status
Mass (Da)	185.0285	185.2285	185.1283	Pass
Resolution	21000	100000	27137	Pass
Sum Intensity (cps)	100	1e+11	4612.4	Pass
Error (ppm)	-2.00	2.00	-0.88991	Pass



Item	Min	Max	Actual	Status
Mass (Da)	298.1125	298.3125	298.2124	Pass
Resolution	22000	100000	31093	Pass
Sum Intensity (cps)	100	1e+11	14931	Pass
Error (ppm)	-2.00	2.00	-0.44303	Pass



Item	Min	Max	Actual	Status
Mass (Da)	494.2337	494.4337	494.3337	Pass
Resolution	25000	100000	30313	Pass
Sum Intensity (cps)	100	1e+11	28377	Pass
Error (ppm)	-2.00	2.00	-0.09143	Pass



Item	Min	Max	Actual	Status
Mass (Da)	607.3178	607.5178	607.4174	Pass
Resolution	26000	100000	31379	Pass
Sum Intensity (cps)	100	1e+11	23433	Pass
Error (ppm)	-2.00	2.00	-0.61316	Pass