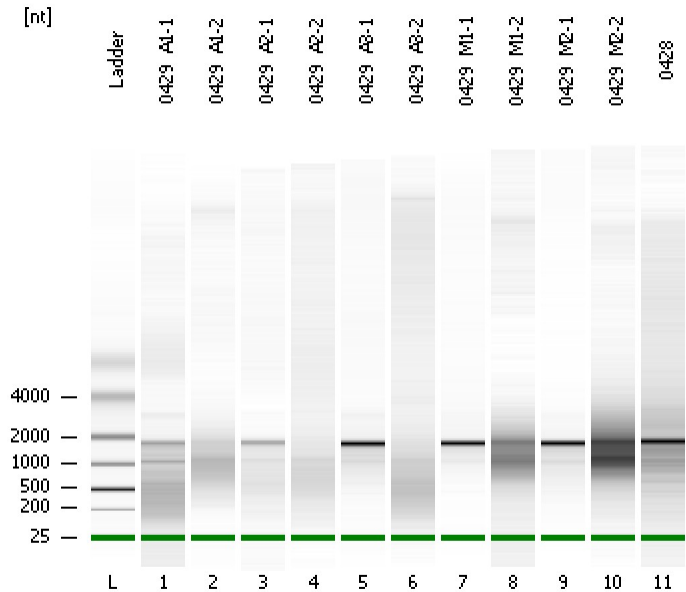


Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-01\2017-05-01_002.xad

Created: 5/1/2017 2:47:26 PM
Modified: 5/1/2017 4:17:09 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

Assay Class: mRNA Pico
Version: 2.6
Assay Comments: mRNA Analysis pg sensitivity

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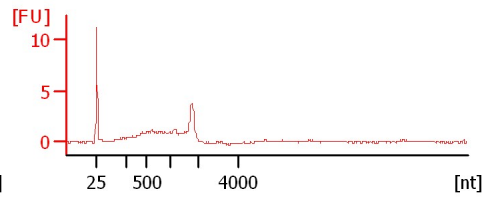
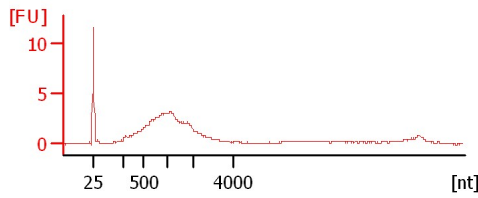
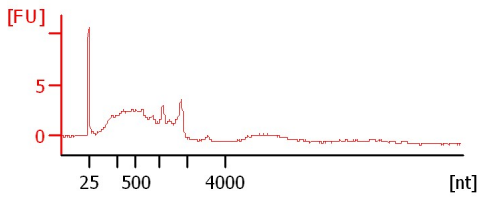
Chip Information:

Chip Lot #: Reagent Kit Lot #: Chip Comments:

0429_A1-1

0429_A1-2

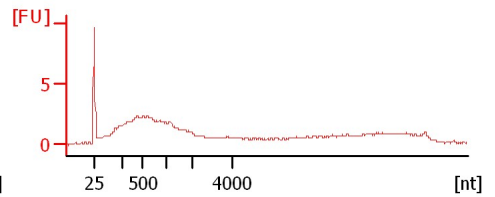
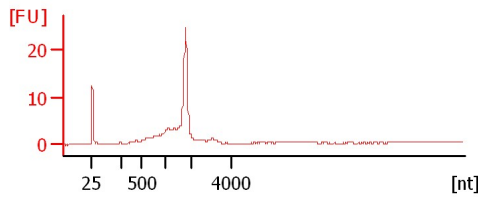
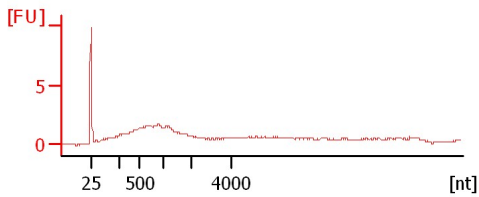
0429_A2-1



0429_A2-2

0429_A3-1

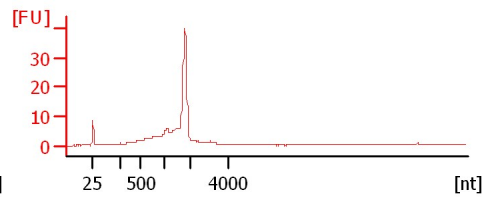
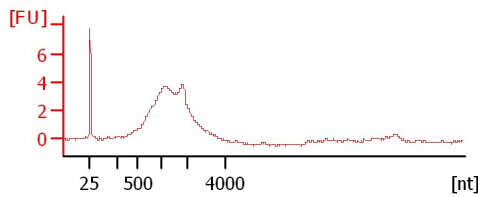
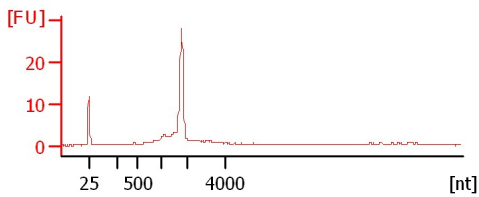
0429_A3-2



0429_M1-1

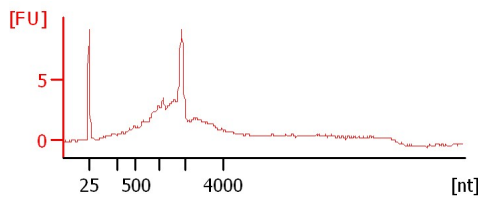
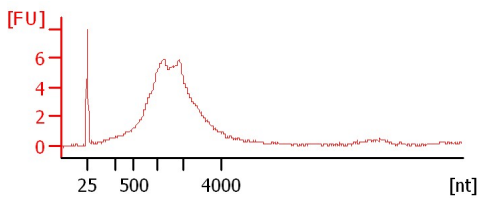
0429_M1-2

0429_M2-1



0429_M2-2

0428



Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-01\2017-05-01_002.xad

Created: 5/1/2017 2:47:26 PM
Modified: 5/1/2017 4:17:09 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
0429_A1-1		✓		
0429_A1-2		✓		
0429_A2-1		✓		
0429_A2-2		✓		
0429_A3-1		✓		
0429_A3-2		✓		
0429_M1-1		✓		
0429_M1-2		✓		
0429_M2-1		✓		
0429_M2-2		✓		
0428		✓		
Ladder		✓		

Chip Lot #

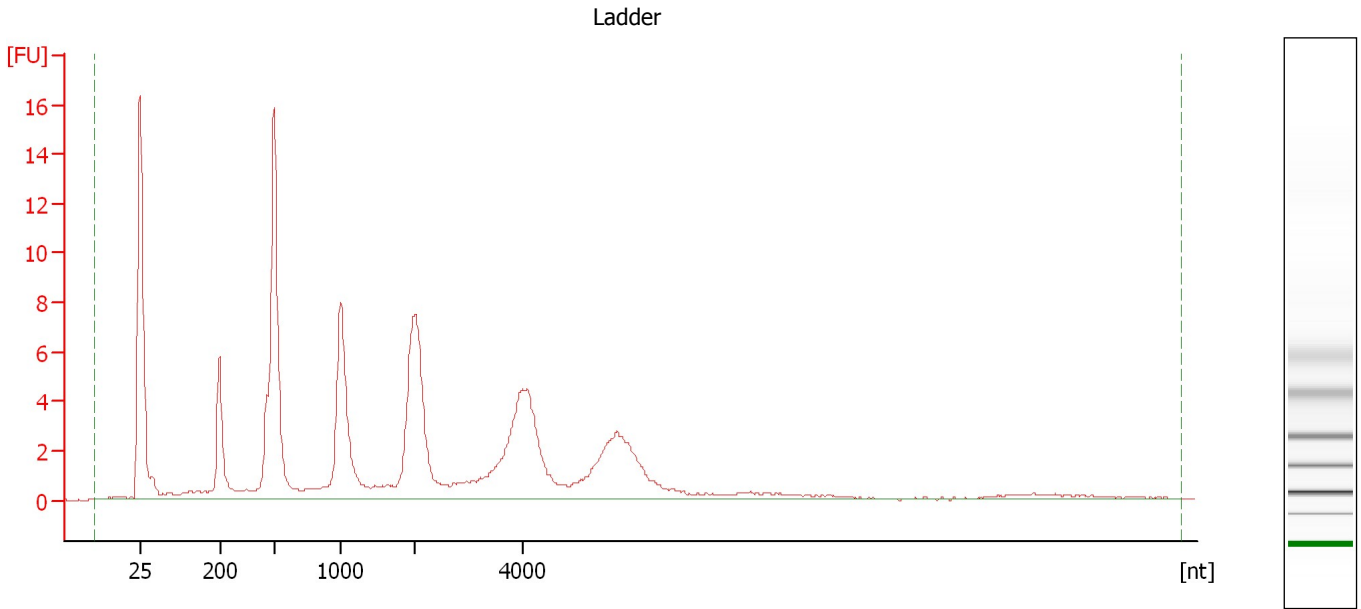
Reagent Kit Lot #

Chip Comments :

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-01\2017-05-01_002.xad

Created: 5/1/2017 2:47:26 PM
Modified: 5/1/2017 4:17:09 PM

Electropherogram Summary



Overall Results for Ladder

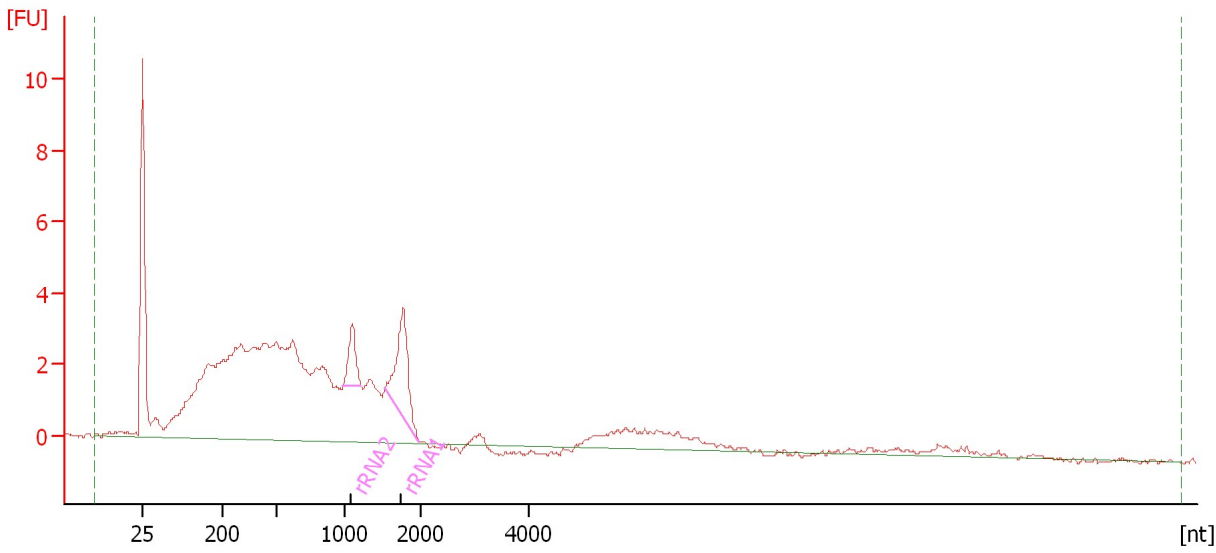
RNA Area: 153.4 RNA Concentration: 1,000 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-01\2017-05-01_002.xad

Created: 5/1/2017 2:47:26 PM
Modified: 5/1/2017 4:17:09 PM

Electropherogram Summary Continued ...

0429_A1-1



Overall Results for sample 1 : 0429 A1-1

RNA Area: 123.2 rRNA Contamination: 8.0 %
RNA Concentration: 803 pg/μl

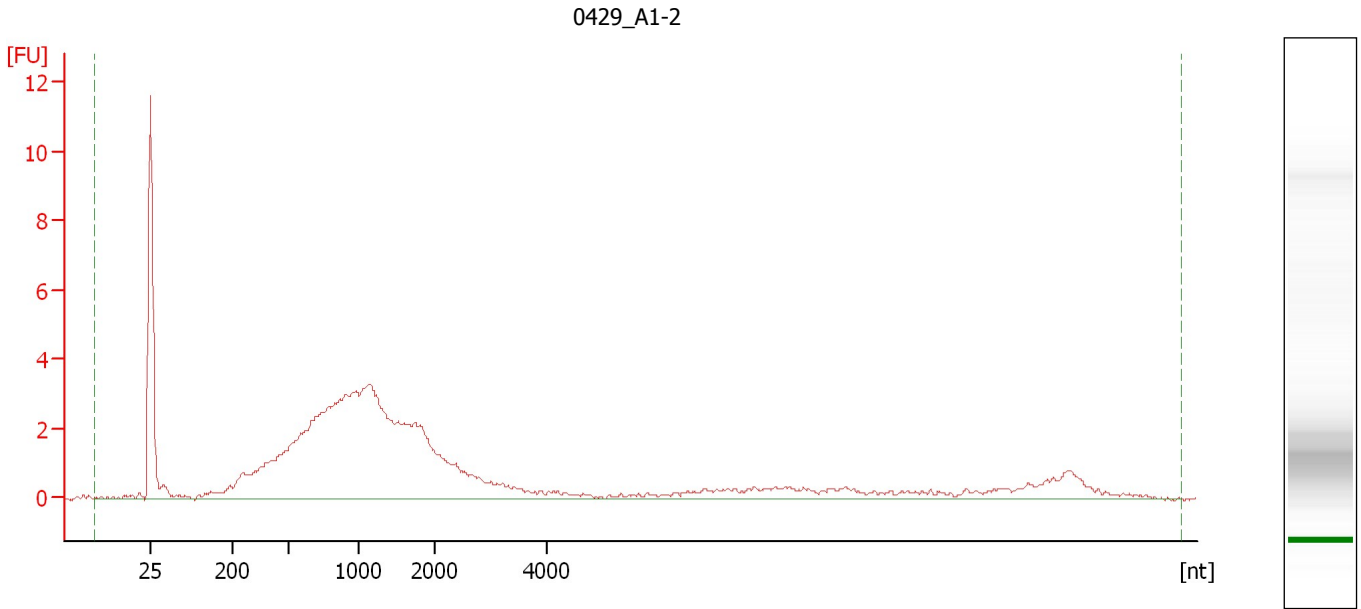
Fragment table for sample 1 : 0429 A1-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	988	1,213	2.8	2.3
rRNA1	1,533	1,991	7.1	5.7

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-01\2017-05-01_002.xad

Created: 5/1/2017 2:47:26 PM
Modified: 5/1/2017 4:17:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 0429 A1-2

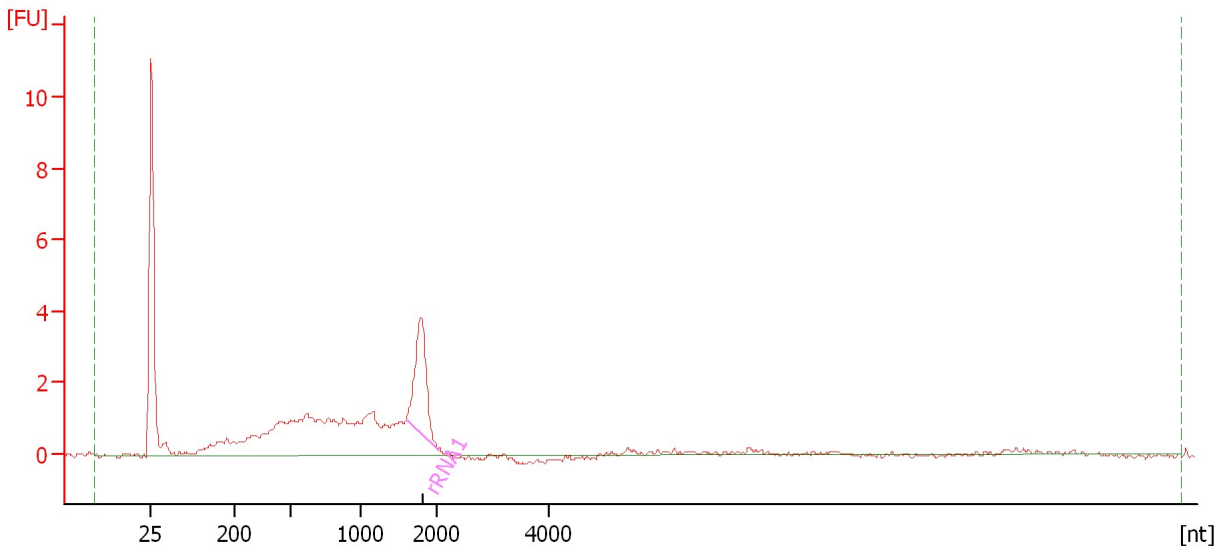
RNA Area:	104.1	rRNA Contamination:	0.0 %
RNA Concentration:	678 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-01\2017-05-01_002.xad

Created: 5/1/2017 2:47:26 PM
Modified: 5/1/2017 4:17:09 PM

Electropherogram Summary Continued ...

0429_A2-1



Overall Results for sample 3 : 0429 A2-1

RNA Area: 46.1 rRNA Contamination: 15.7 %
RNA Concentration: 301 pg/μl

Fragment table for sample 3 : 0429 A2-1

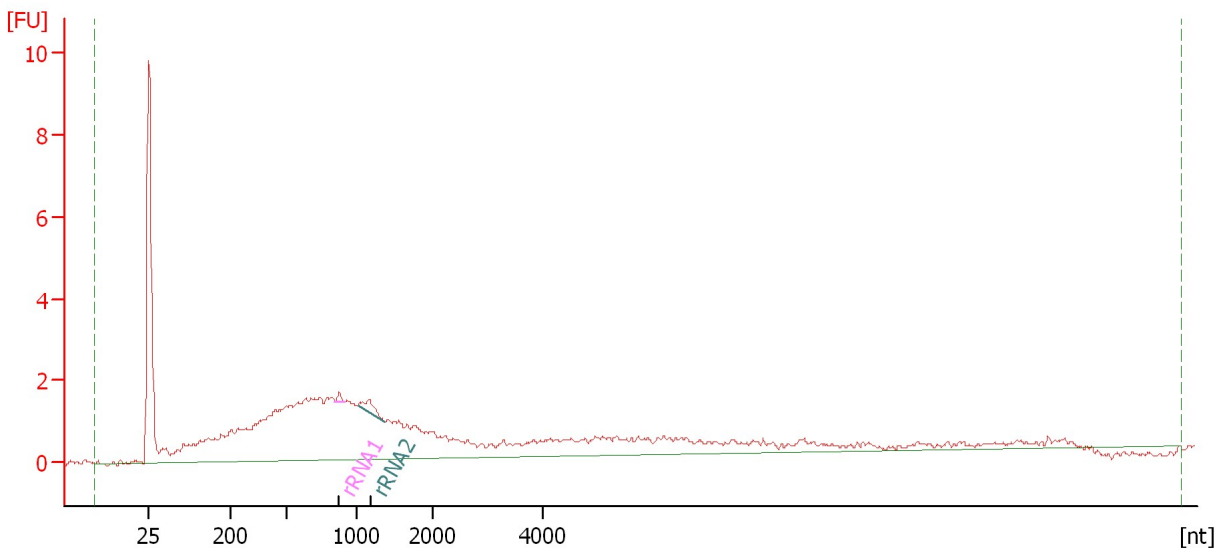
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,607	2,030	7.2	15.7

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-01\2017-05-01_002.xad

Created: 5/1/2017 2:47:26 PM
Modified: 5/1/2017 4:17:09 PM

Electropherogram Summary Continued ...

0429_A2-2



Overall Results for sample 4 : 0429 A2-2

RNA Area: 75.6 rRNA Contamination: 1.2 %
RNA Concentration: 493 pg/μl

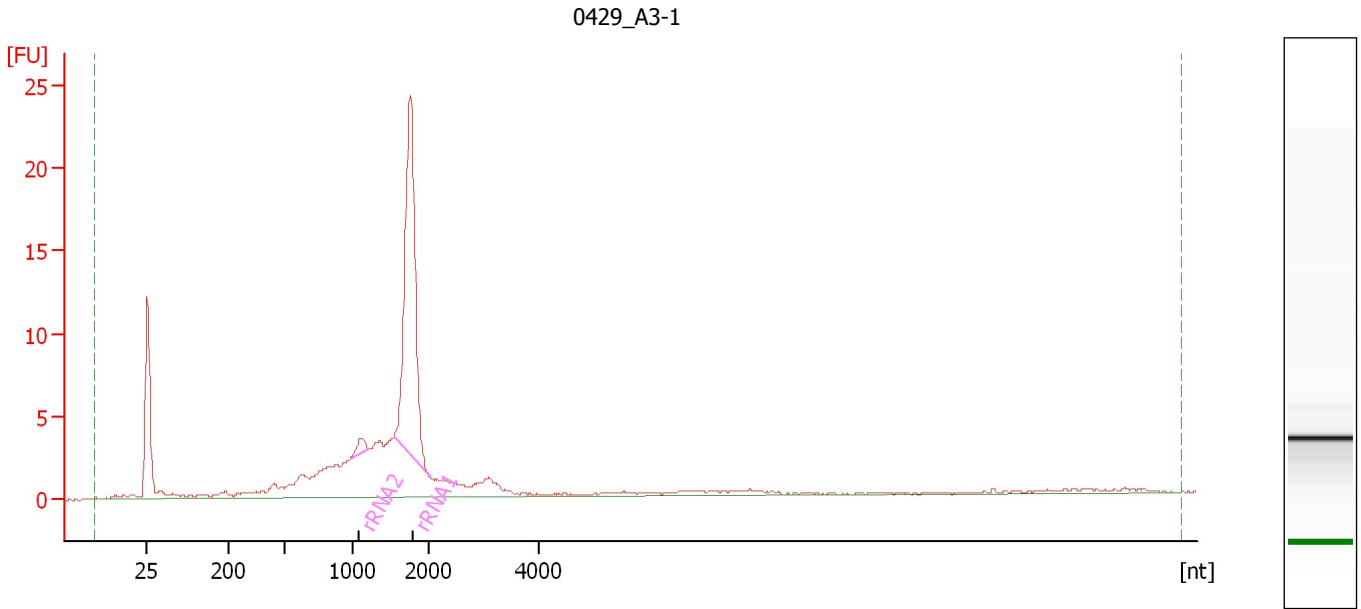
Fragment table for sample 4 : 0429 A2-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	853	922	0.2	0.3
rRNA2	1,027	1,372	0.7	0.9

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-01\2017-05-01_002.xad

Created: 5/1/2017 2:47:26 PM
Modified: 5/1/2017 4:17:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 0429 A3-1

RNA Area: 135.3 rRNA Contamination: 35.4 %
RNA Concentration: 882 pg/μl

Fragment table for sample 5 : 0429 A3-1

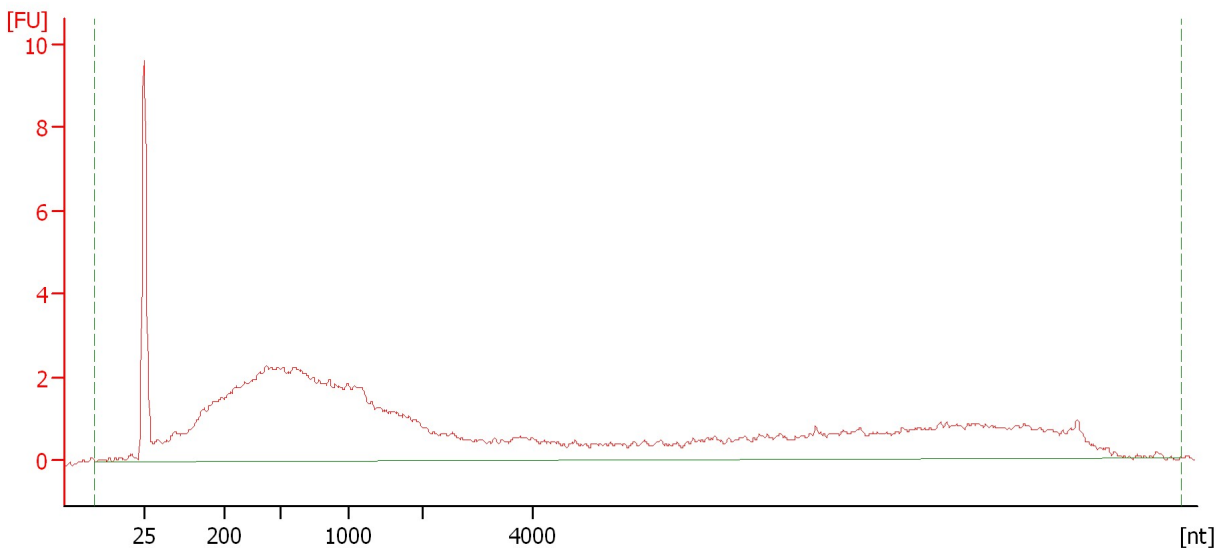
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	982	1,199	1.6	1.2
rRNA1	1,535	2,025	46.3	34.2

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-01\2017-05-01_002.xad

Created: 5/1/2017 2:47:26 PM
Modified: 5/1/2017 4:17:09 PM

Electropherogram Summary Continued ...

0429_A3-2



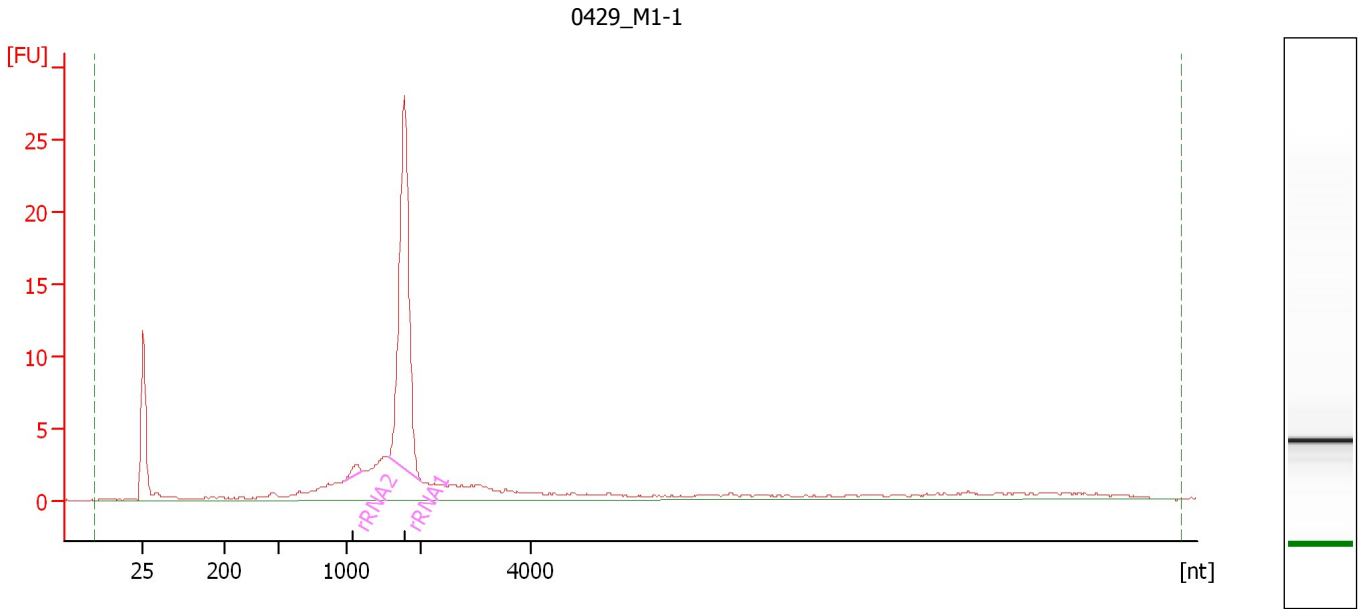
Overall Results for sample 6 : 0429 A3-2

RNA Area:	131.5	rRNA Contamination:	0.0 %
RNA Concentration:	857 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-01\2017-05-01_002.xad

Created: 5/1/2017 2:47:26 PM
Modified: 5/1/2017 4:17:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 0429 M1-1

RNA Area: 137.8 rRNA Contamination: 39.0 %
RNA Concentration: 898 pg/μl

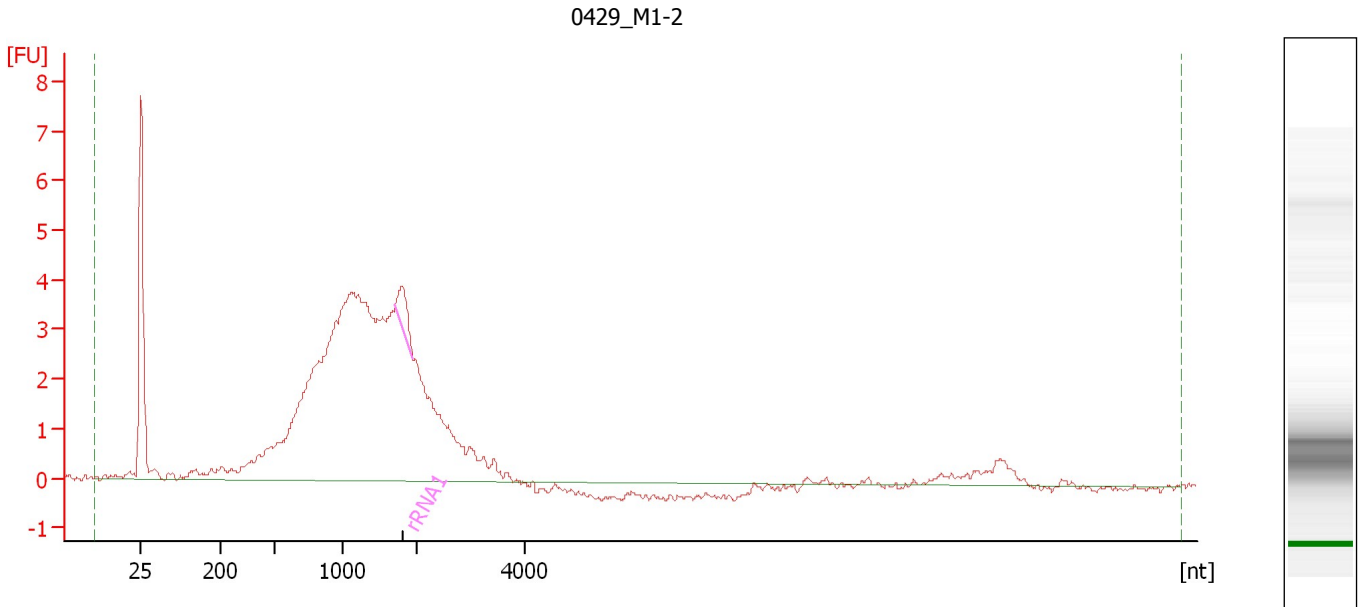
Fragment table for sample 7 : 0429 M1-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	990	1,205	1.1	0.8
rRNA1	1,556	1,992	52.6	38.2

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-01\2017-05-01_002.xad

Created: 5/1/2017 2:47:26 PM
Modified: 5/1/2017 4:17:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 0429 M1-2

RNA Area: 98.8 rRNA Contamination: 1.6 %
RNA Concentration: 644 pg/μl

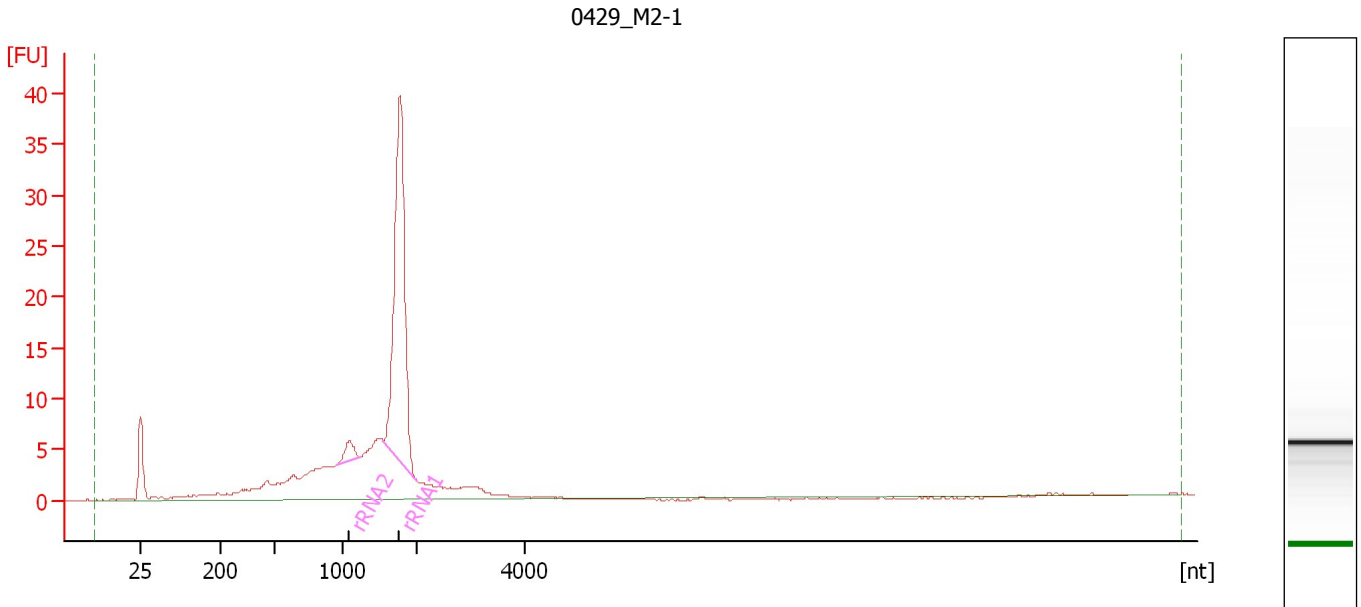
Fragment table for sample 8 : 0429 M1-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,711	1,947	1.6	1.6

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-01\2017-05-01_002.xad

Created: 5/1/2017 2:47:26 PM
Modified: 5/1/2017 4:17:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 0429 M2-1

RNA Area: 209.7 rRNA Contamination: 38.8 %
RNA Concentration: 1,366 pg/μl

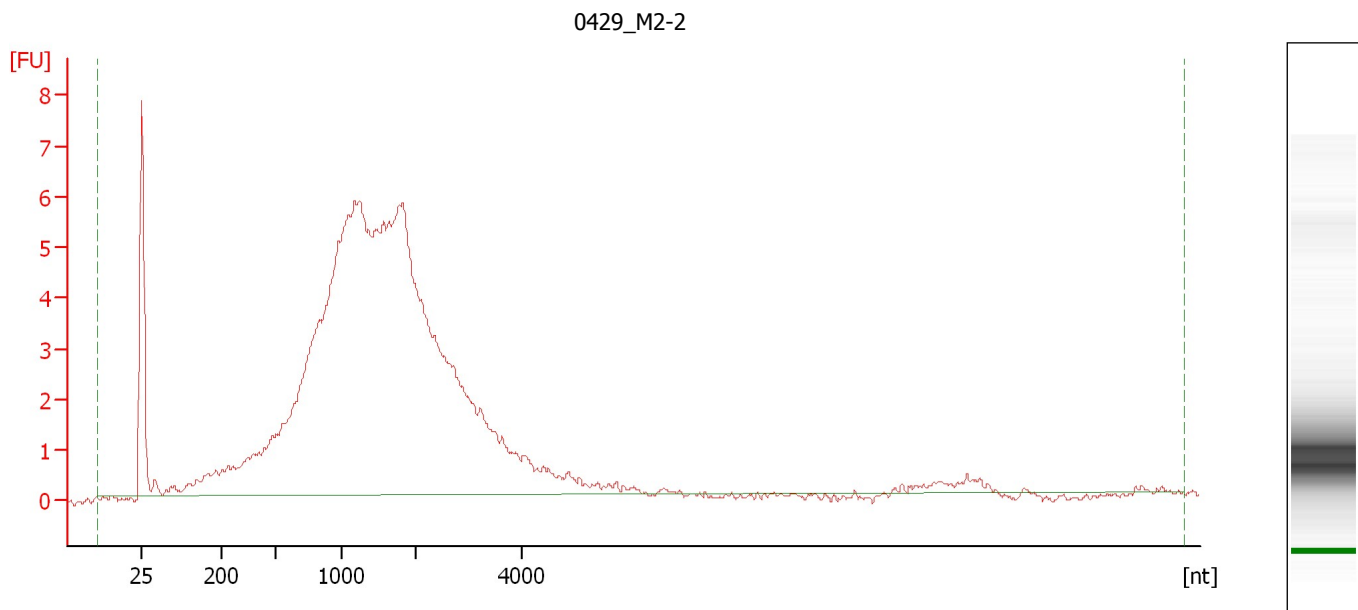
Fragment table for sample 9 : 0429 M2-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	954	1,239	4.2	2.0
rRNA1	1,550	2,001	77.2	36.8

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-01\2017-05-01_002.xad

Created: 5/1/2017 2:47:26 PM
Modified: 5/1/2017 4:17:09 PM

Electropherogram Summary Continued ...



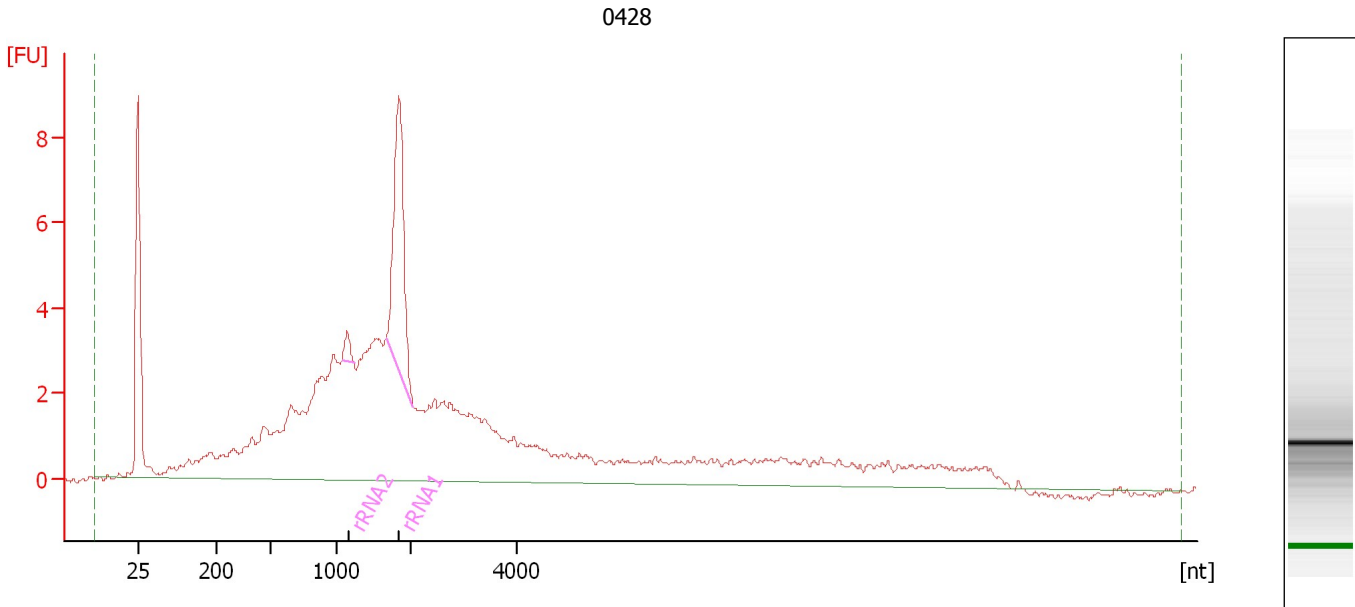
Overall Results for sample 10 : 0429 M2-2

RNA Area: 170.1 rRNA Contamination: 0.0 %
RNA Concentration: 1,109 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-01\2017-05-01_002.xad

Created: 5/1/2017 2:47:26 PM
Modified: 5/1/2017 4:17:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 0428

RNA Area: 153.6 rRNA Contamination: 9.3 %
RNA Concentration: 1,001 pg/μl

Fragment table for sample 11 : 0428

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	1,065	1,227	0.8	0.5
rRNA1	1,661	2,056	13.5	8.8

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-01\2017-05-01_002.xad

Created: 5/1/2017 2:47:26 PM
Modified: 5/1/2017 4:17:09 PM

Gel Image

