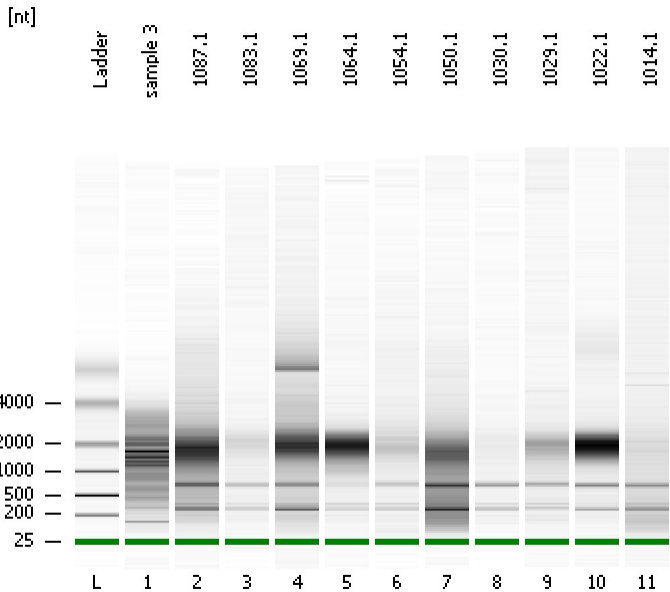


Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-31\2015-07-31_003.xad

Created: 7/31/2015 10:44:11 AM
Modified: 8/4/2015 11:27:48 AM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

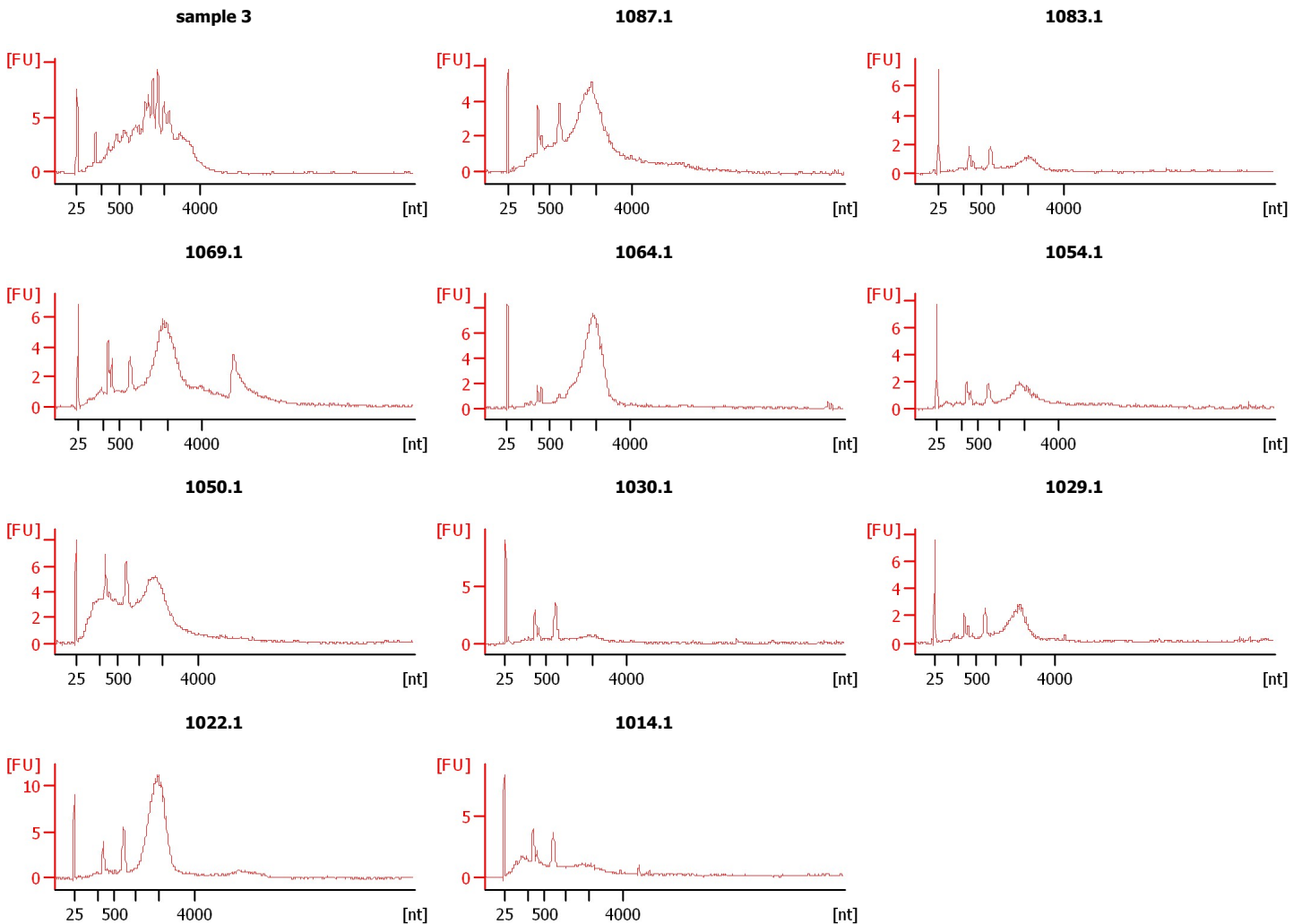
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

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:



Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-31\2015-07-31_003.xad

Created: 7/31/2015 10:44:11 AM
Modified: 8/4/2015 11:27:48 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
sample 3		✓		
1087.1		✓		
1083.1		✓		
1069.1		✓		
1064.1		✓		
1054.1		✓		
1050.1		✓		
1030.1		✓		
1029.1		✓		
1022.1		✓		
1014.1		✓		
Ladder		✓		

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-31\2015-07-31_003.xad

Created: 7/31/2015 10:44:11 AM
Modified: 8/4/2015 11:27:48 AM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 14
Maximum Visible Range [s] : 85
Start Analysis Time Range [s] : 15
End Analysis Time Range [s] : 84
Ladder Concentration [pg/μl] : 1000
Lower Marker Concentration [pg/μl] : 0
Upper Marker Concentration [pg/μl] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 15
Integration End Time [s] : 84
Slope Threshold : 0.2
Height Threshold [FU] : 0.5
Area Threshold : 0.1
Width Threshold [s] : 0.2
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

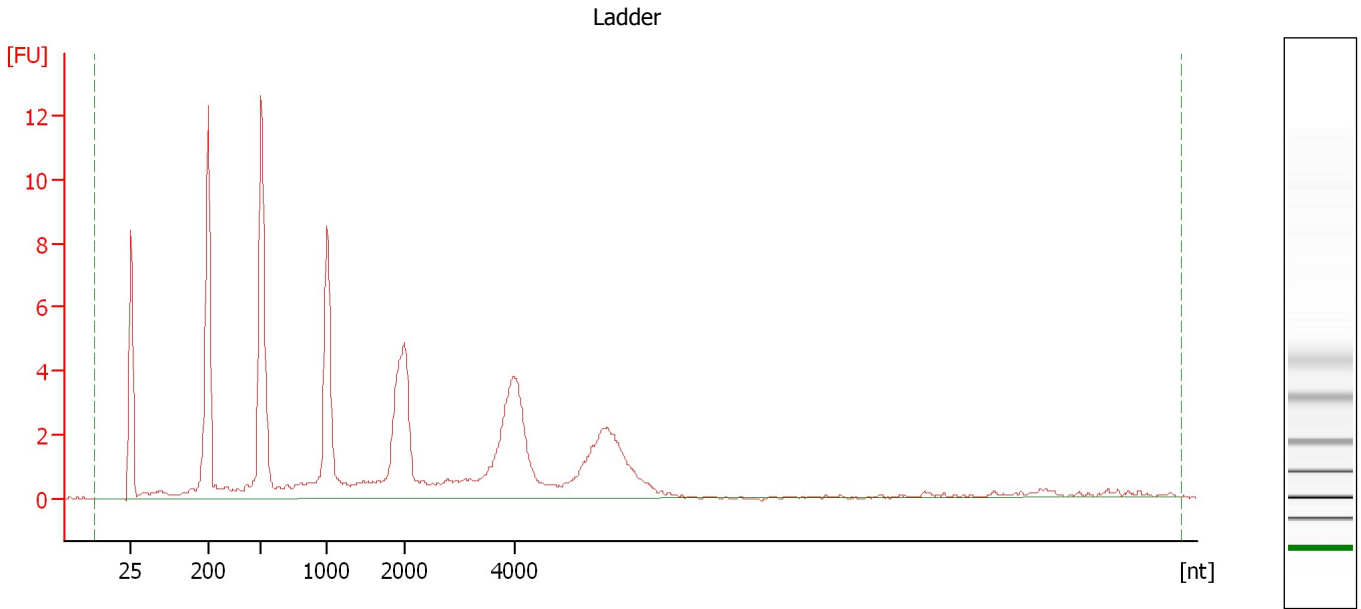
Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-31\2015-07-31_003.xad

Created: 7/31/2015 10:44:11 AM
Modified: 8/4/2015 11:27:48 AM

Electropherogram Summary



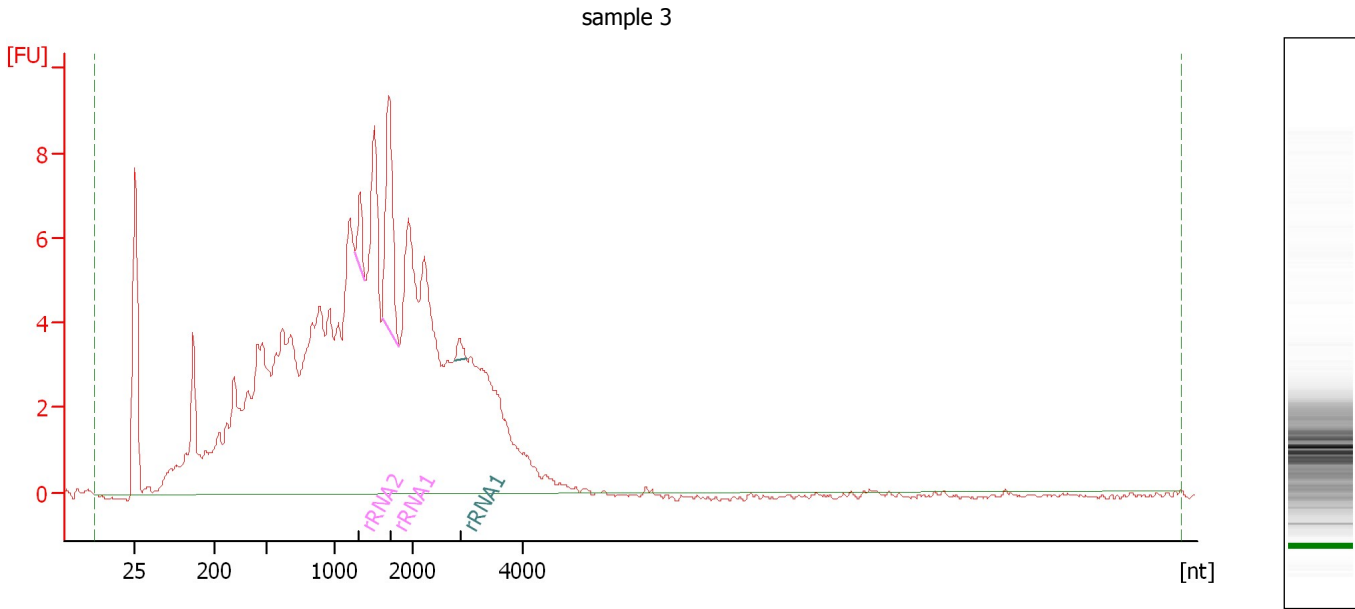
Overall Results for Ladder

RNA Area: 124.8 RNA Concentration: 1,000 pg/μl

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-31\2015-07-31_003.xad

Created: 7/31/2015 10:44:11 AM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : sample 3

RNA Area: 238.8 rRNA Contamination: 4.3 %
RNA Concentration: 1,914 pg/μl

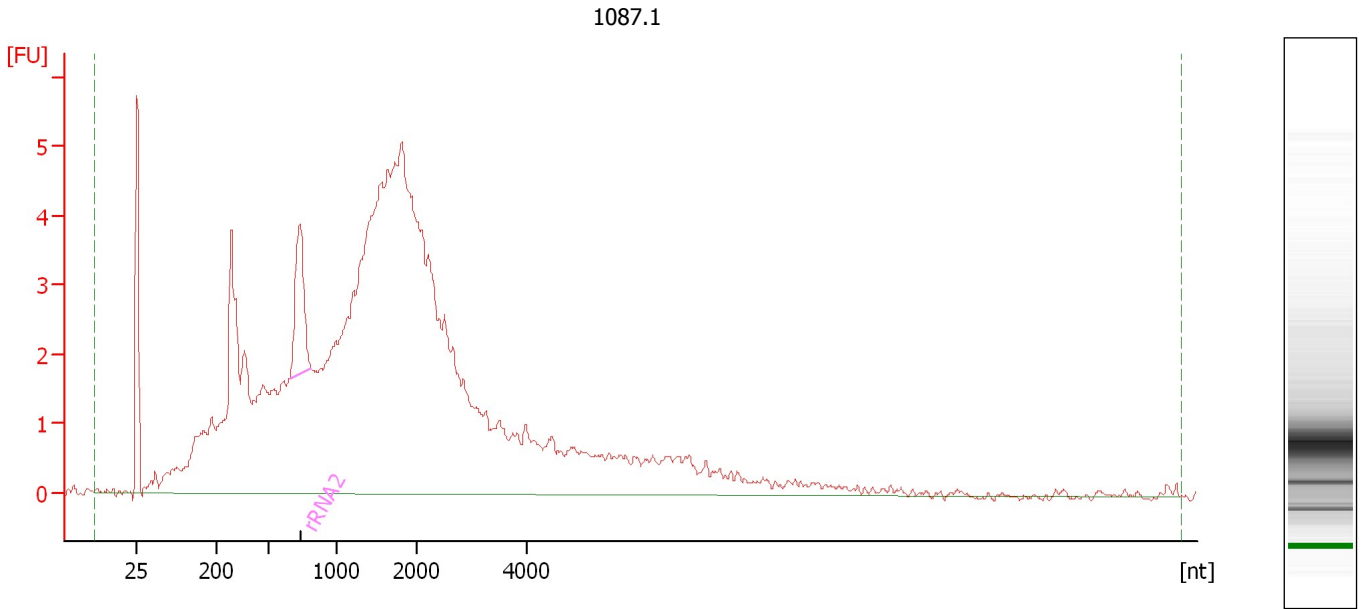
Fragment table for sample 1 : sample 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	1,260	1,392	1.6	0.7
rRNA1	1,606	1,820	8.1	3.4
rRNA1	2,753	2,969	0.5	0.2

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-31\2015-07-31_003.xad

Created: 7/31/2015 10:44:11 AM
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Electropherogram Summary Continued ...



Overall Results for sample 2 : 1087.1

RNA Area: 167.4 rRNA Contamination: 2.8 %
RNA Concentration: 1,342 pg/μl

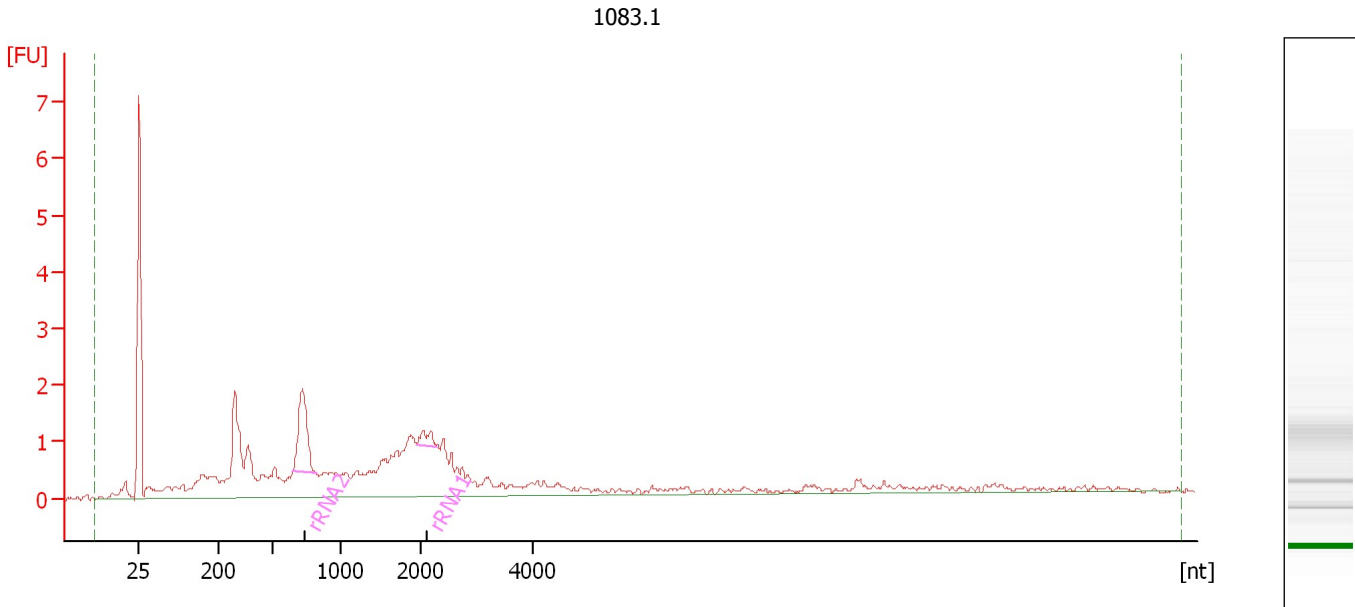
Fragment table for sample 2 : 1087.1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	652	812	4.7	2.8

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-31\2015-07-31_003.xad

Created: 7/31/2015 10:44:11 AM
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Electropherogram Summary Continued ...



Overall Results for sample 3 : 1083.1

RNA Area: 45.0 rRNA Contamination: 8.1 %
RNA Concentration: 361 pg/μl

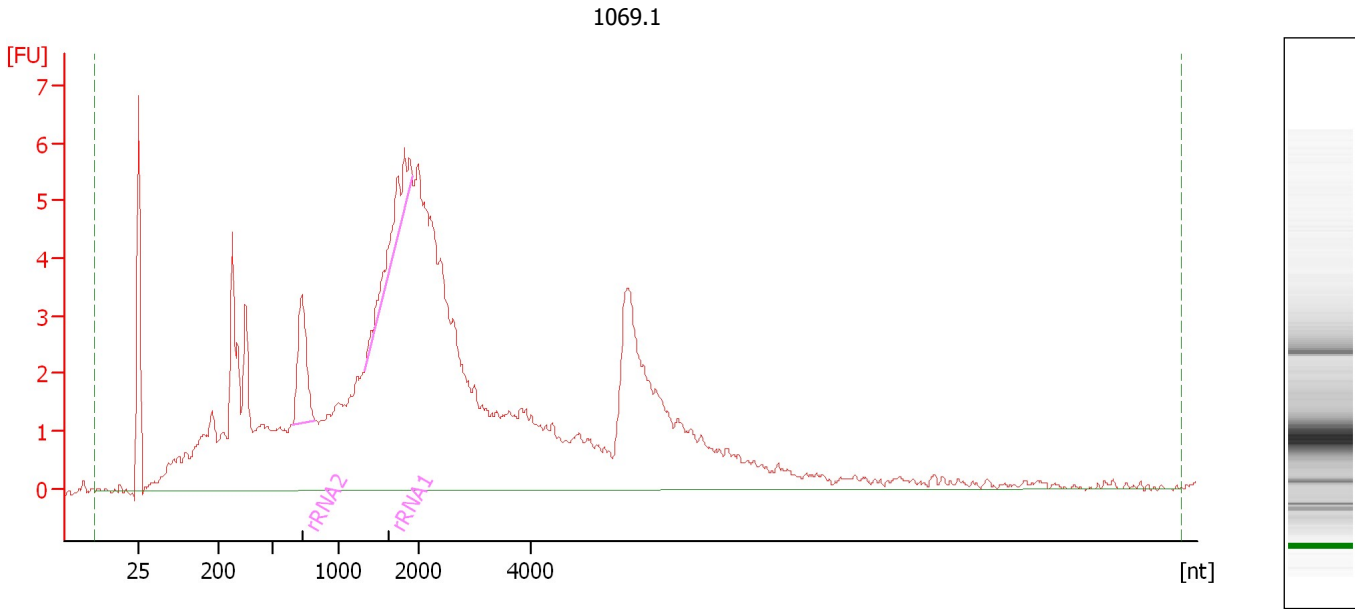
Fragment table for sample 3 : 1083.1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	649	819	3.1	6.9
rRNA1	1,965	2,278	0.6	1.2

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-31\2015-07-31_003.xad

Created: 7/31/2015 10:44:11 AM
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Electropherogram Summary Continued ...



Overall Results for sample 4 : 1069.1

RNA Area: 185.8 rRNA Contamination: 4.6 %
RNA Concentration: 1,489 pg/μl

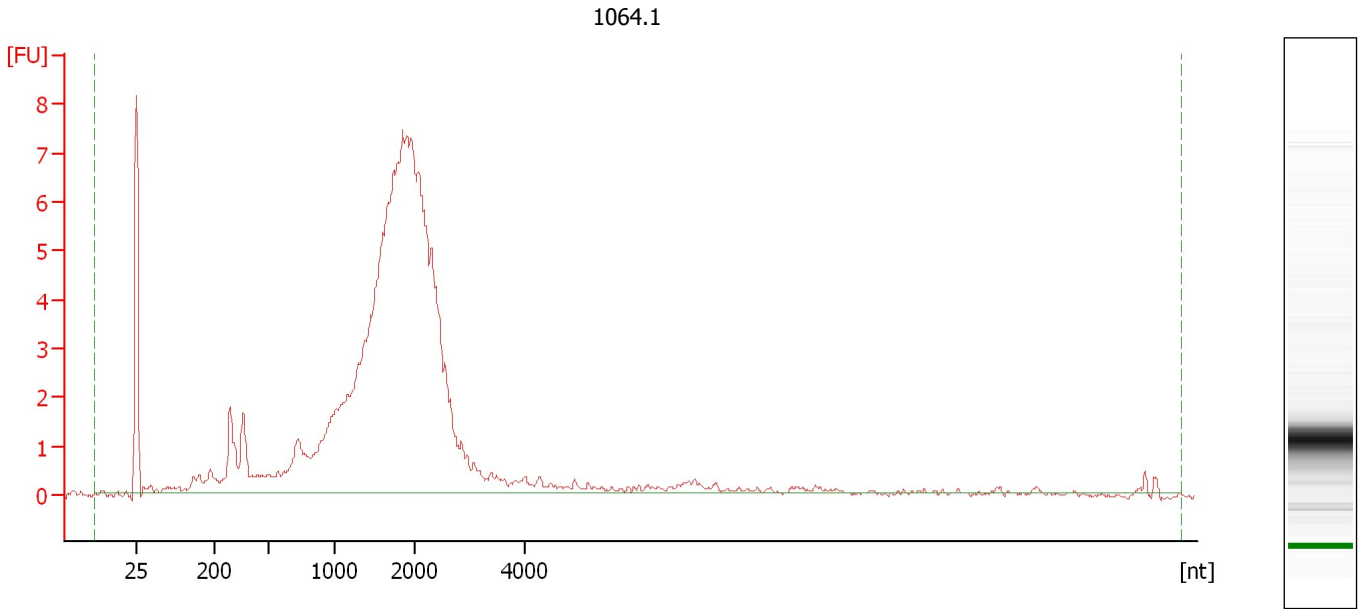
Fragment table for sample 4 : 1069.1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	652	817	4.8	2.6
rRNA1	1,321	1,914	3.7	2.0

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-31\2015-07-31_003.xad

Created: 7/31/2015 10:44:11 AM
Modified: 8/4/2015 11:27:48 AM

Electropherogram Summary Continued ...



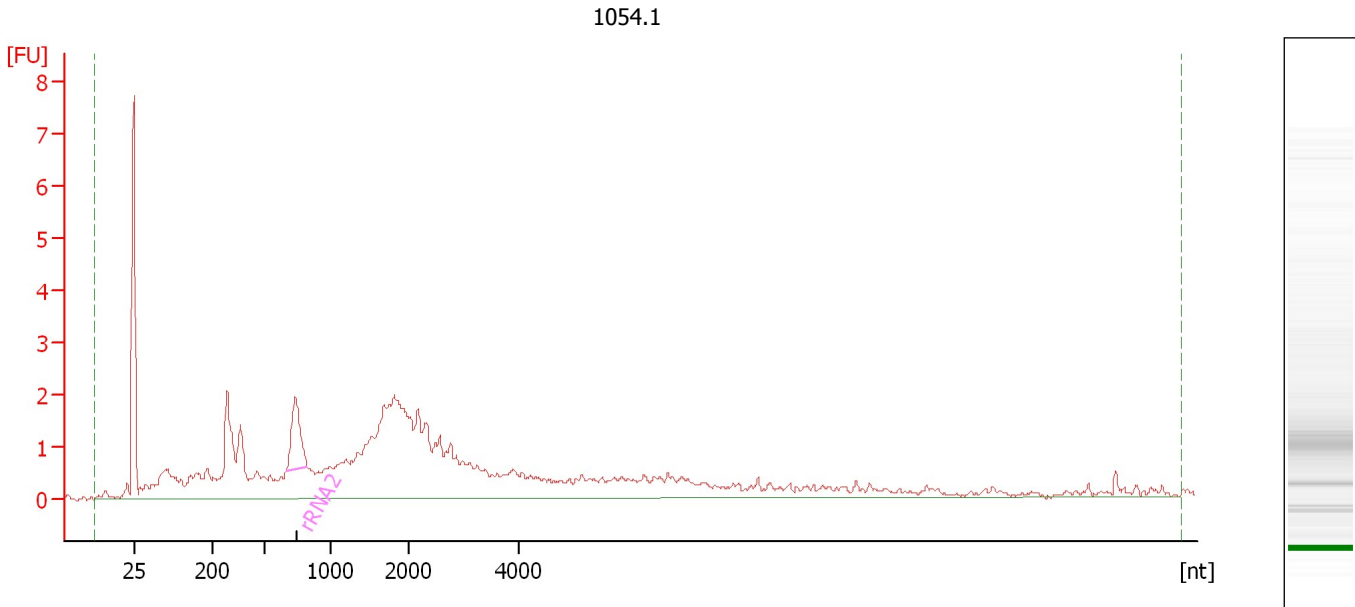
Overall Results for sample 5 : 1064.1

RNA Area: 125.4 rRNA Contamination: 0.0 %
RNA Concentration: 1,005 pg/μl

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-31\2015-07-31_003.xad

Created: 7/31/2015 10:44:11 AM
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Electropherogram Summary Continued ...



Overall Results for sample 6 : 1054.1

RNA Area: 75.6 rRNA Contamination: 4.0 %
RNA Concentration: 606 pg/μl

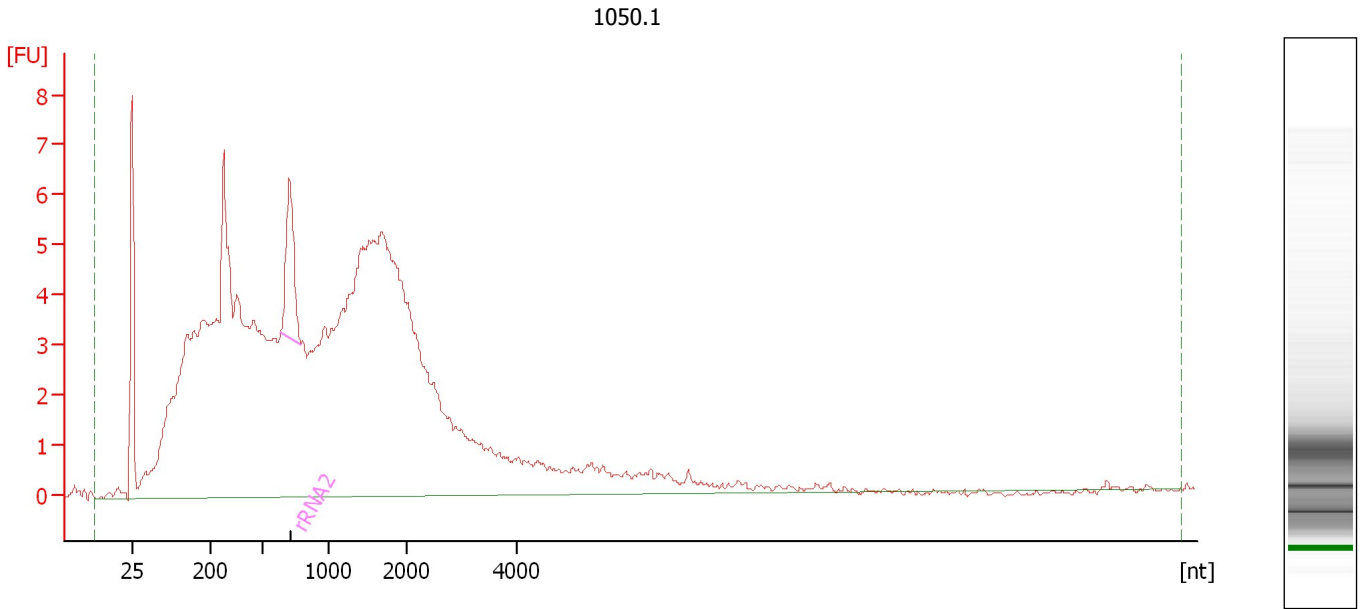
Fragment table for sample 6 : 1054.1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	659	820	3.0	4.0

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-31\2015-07-31_003.xad

Created: 7/31/2015 10:44:11 AM
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Electropherogram Summary Continued ...



Overall Results for sample 7 : 1050.1

RNA Area: 255.1 rRNA Contamination: 2.6 %
RNA Concentration: 2,045 pg/μl

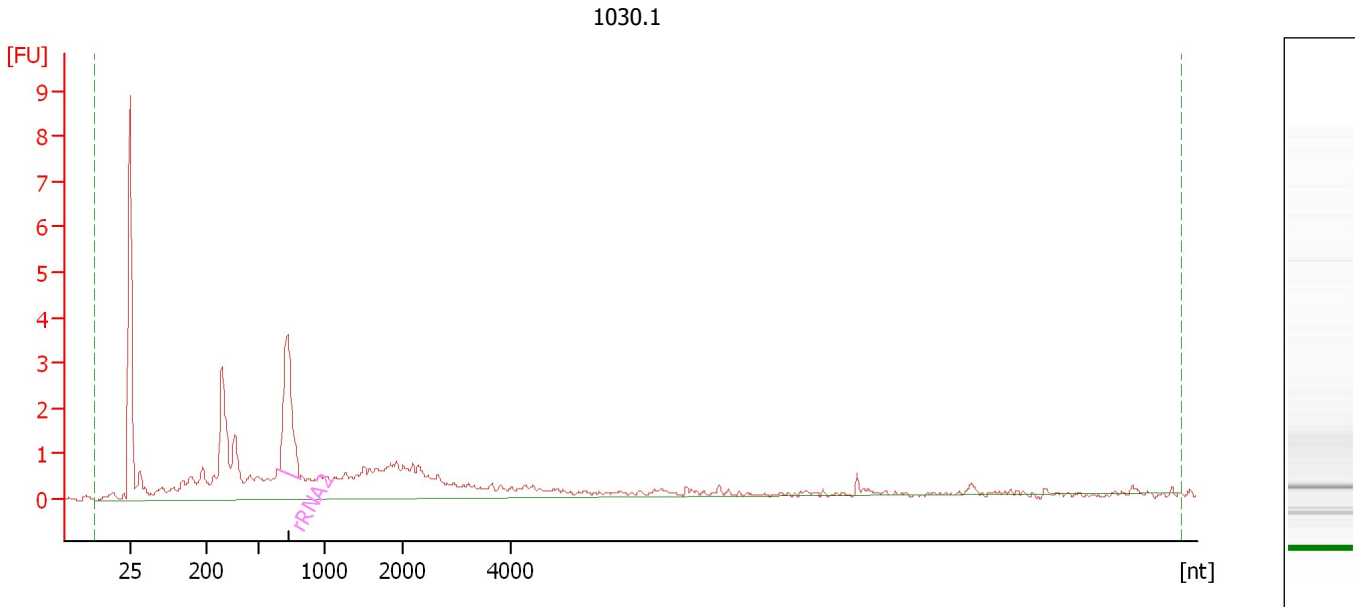
Fragment table for sample 7 : 1050.1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	635	791	6.6	2.6

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-31\2015-07-31_003.xad

Created: 7/31/2015 10:44:11 AM
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Electropherogram Summary Continued ...



Overall Results for sample 8 : 1030.1

RNA Area: 52.2 rRNA Contamination: 13.1 %
RNA Concentration: 418 pg/μl

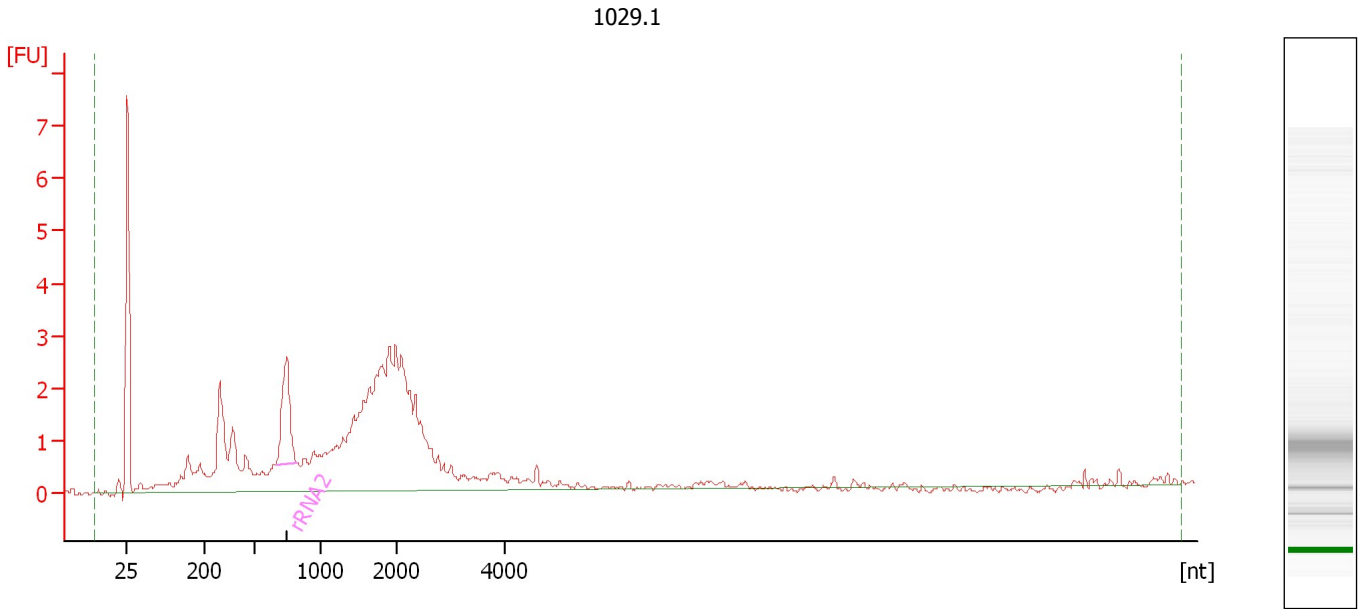
Fragment table for sample 8 : 1030.1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	638	814	6.8	13.1

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-31\2015-07-31_003.xad

Created: 7/31/2015 10:44:11 AM
Modified: 8/4/2015 11:27:48 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 1029.1

RNA Area: 65.8 rRNA Contamination: 6.5 %
RNA Concentration: 527 pg/μl

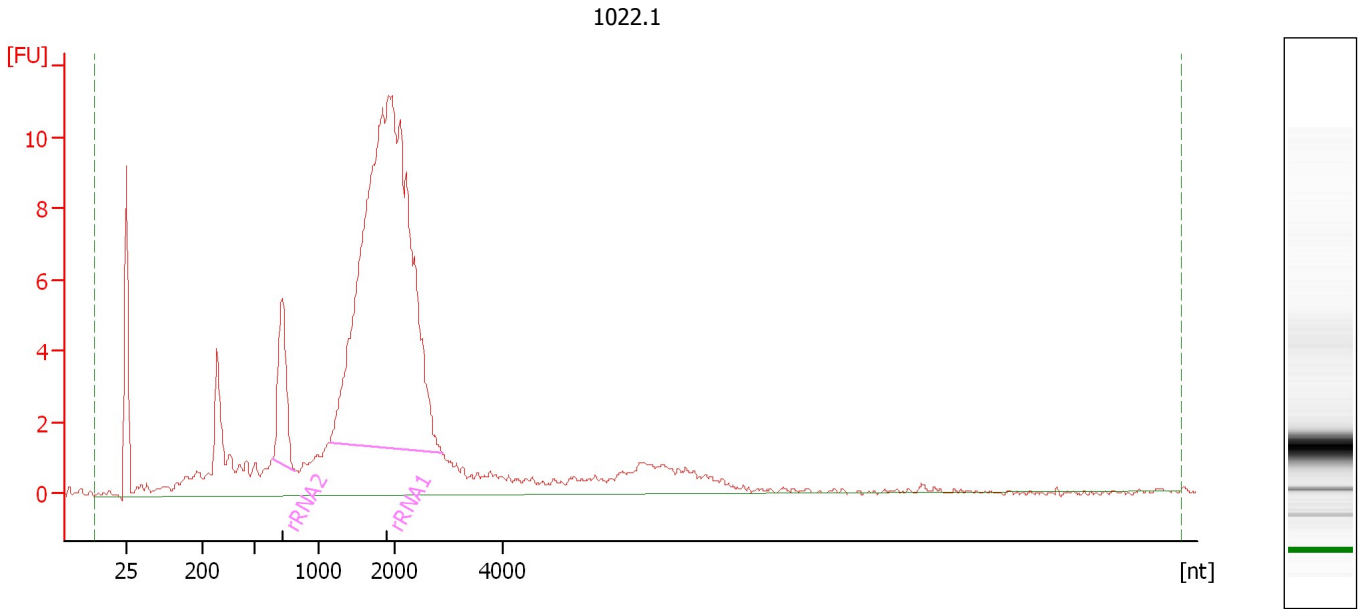
Fragment table for sample 9 : 1029.1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	660	819	4.3	6.5

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-31\2015-07-31_003.xad

Created: 7/31/2015 10:44:11 AM
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Electropherogram Summary Continued ...



Overall Results for sample 10 : 1022.1

RNA Area: 201.7 rRNA Contamination: 55.4 %
RNA Concentration: 1,617 pg/μl

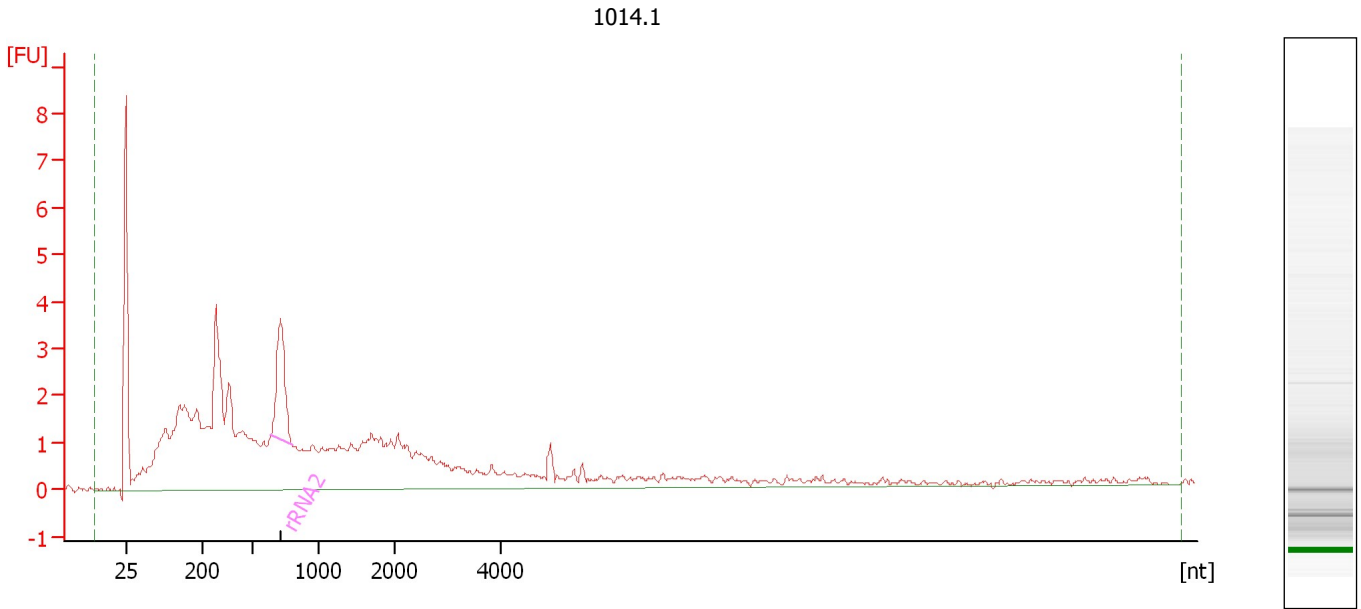
Fragment table for sample 10 : 1022.1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	632	810	10.0	5.0
rRNA1	1,136	2,870	101.7	50.4

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-31\2015-07-31_003.xad

Created: 7/31/2015 10:44:11 AM
Modified: 8/4/2015 11:27:48 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 1014.1

RNA Area: 99.9 rRNA Contamination: 5.5 %
RNA Concentration: 801 pg/μl

Fragment table for sample 11 : 1014.1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	635	801	5.5	5.5

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-31\2015-07-31_003.xad

Created: 7/31/2015 10:44:11 AM
Modified: 8/4/2015 11:27:48 AM

Gel Image

