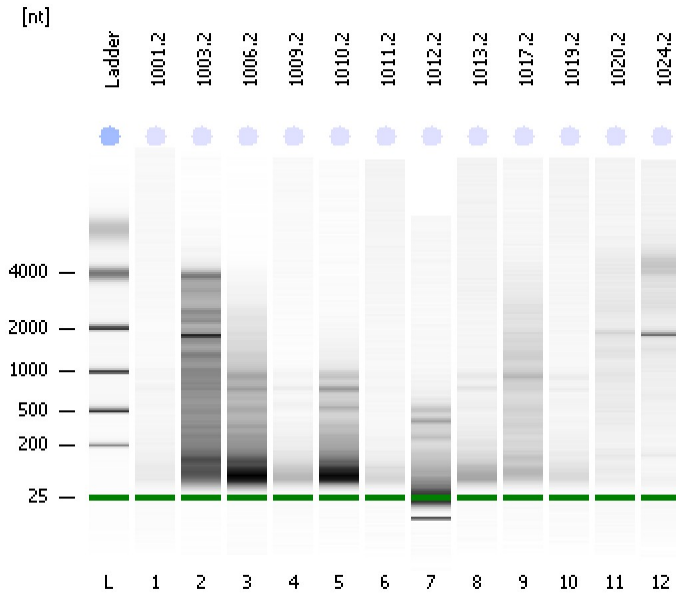


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-03\2014-05-03_003.xad

Created: 5/3/2014 11:46:21 AM
Modified: 5/3/2014 12:13:16 PM

Electrophoresis File Run Summary



Instrument Information:

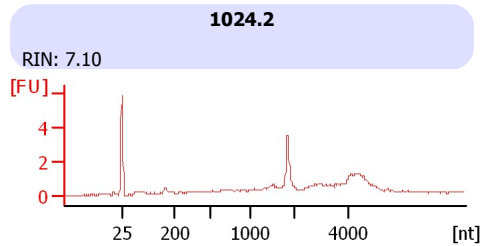
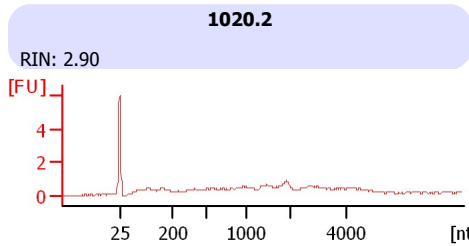
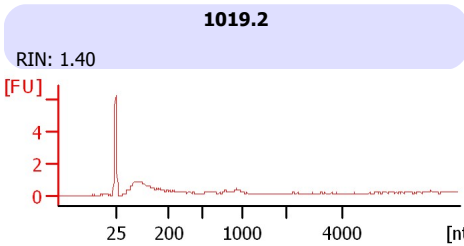
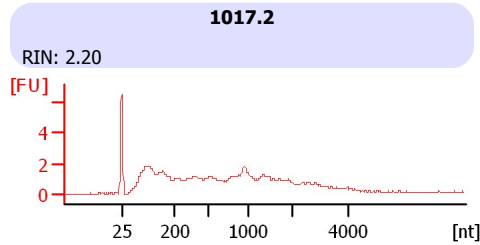
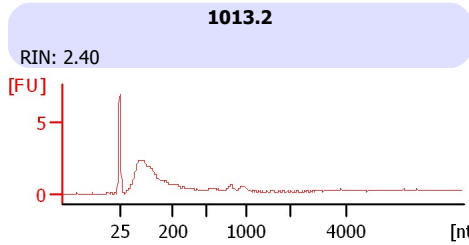
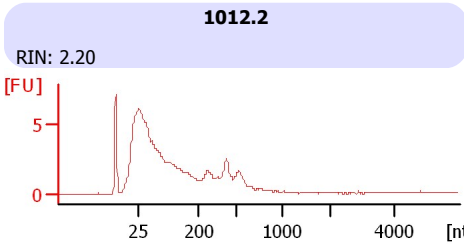
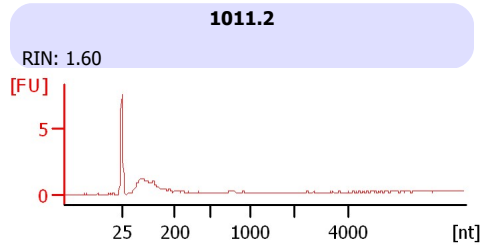
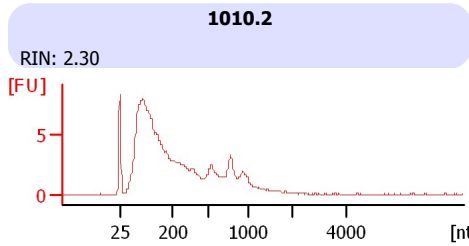
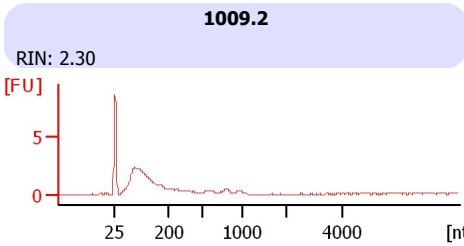
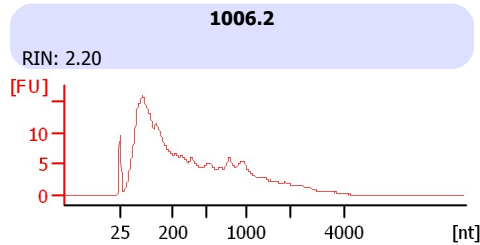
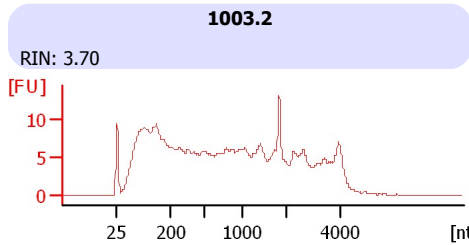
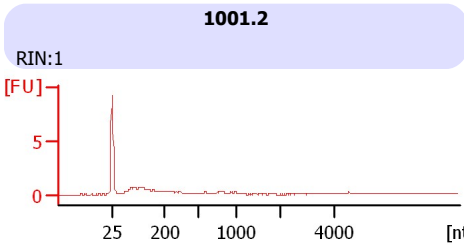
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
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Chip Information:

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



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-03\2014-05-03_003.xad

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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1001.2		✓	RIN:1	
1003.2		✓	RIN: 3.70	
1006.2		✓	RIN: 2.20	
1009.2		✓	RIN: 2.30	
1010.2		✓	RIN: 2.30	
1011.2		✓	RIN: 1.60	
1012.2		✓	RIN: 2.20	
1013.2		✓	RIN: 2.40	
1017.2		✓	RIN: 2.20	
1019.2		✓	RIN: 1.40	
1020.2		✓	RIN: 2.90	
1024.2		✓	RIN: 7.10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-03\2014-05-03_003.xad

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Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 19
End Analysis Time Range [s] : 69
Ladder Concentration [ng/μl] : 150
Lower Marker Concentration [ng/μl] : 0
Upper Marker Concentration [ng/μl] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 19
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.5
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

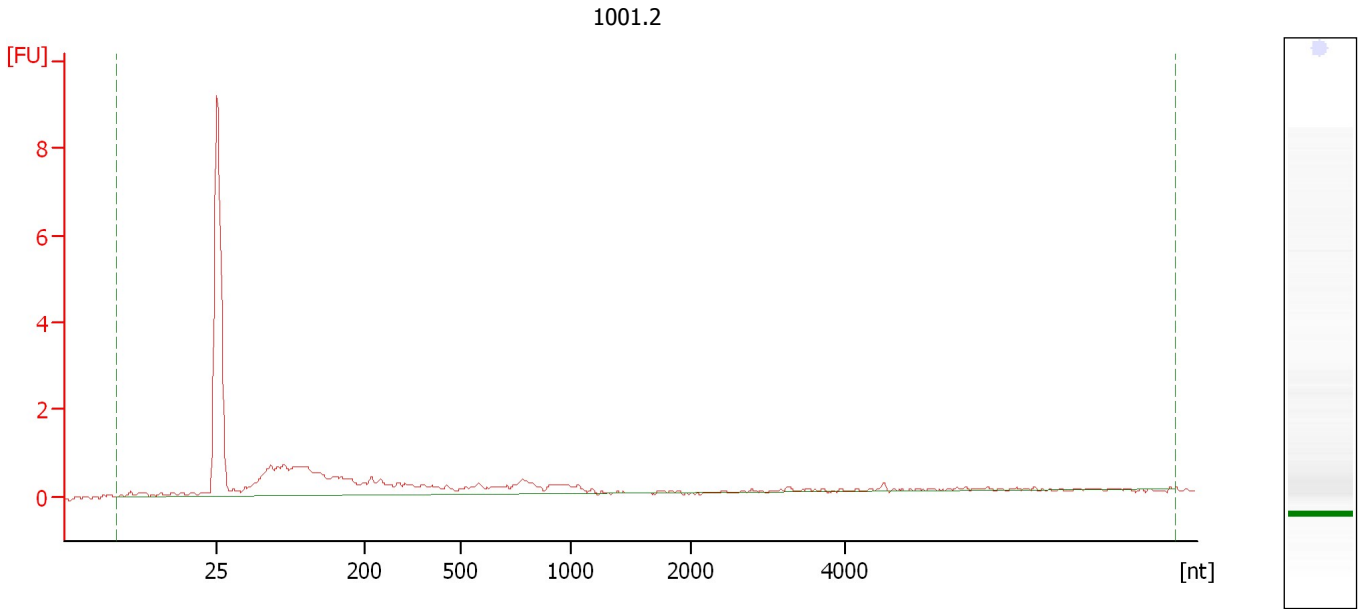
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-03\2014-05-03_003.xad

Created: 5/3/2014 11:46:21 AM
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Electropherogram Summary



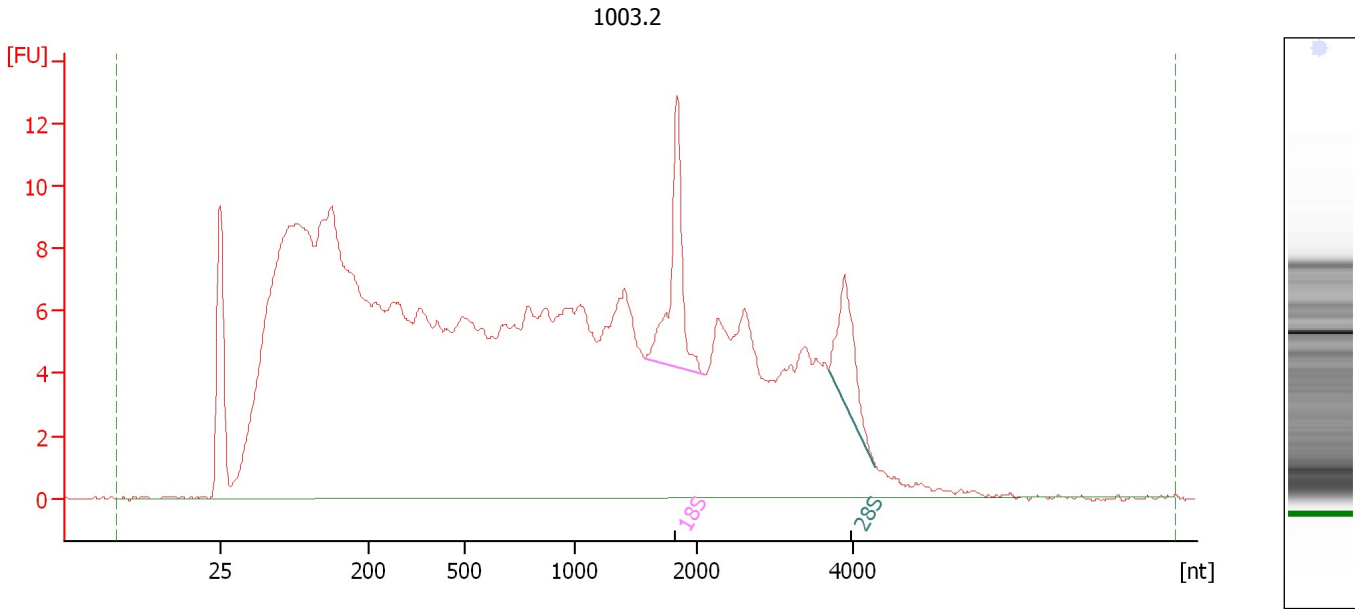
Overall Results for sample 1 : 1001.2

RNA Area:	17.2	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	11 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-03\2014-05-03_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 2 : 1003.2

RNA Area:	455.2	RNA Integrity Number (RIN):	3.7 (B.02.08)
RNA Concentration:	291 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 3.70

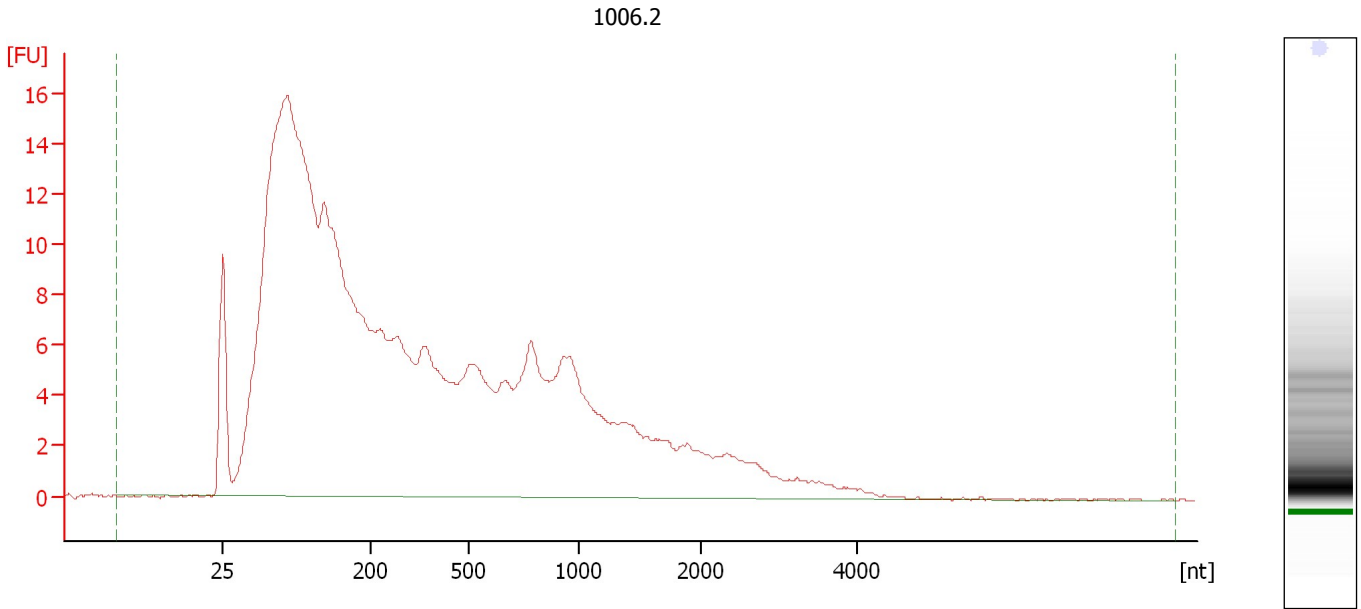
Fragment table for sample 2 : 1003.2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,567	2,089	11.0	2.4
28S	3,692	4,299	6.8	1.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-03\2014-05-03_003.xad

Created: 5/3/2014 11:46:21 AM
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Electropherogram Summary Continued ...



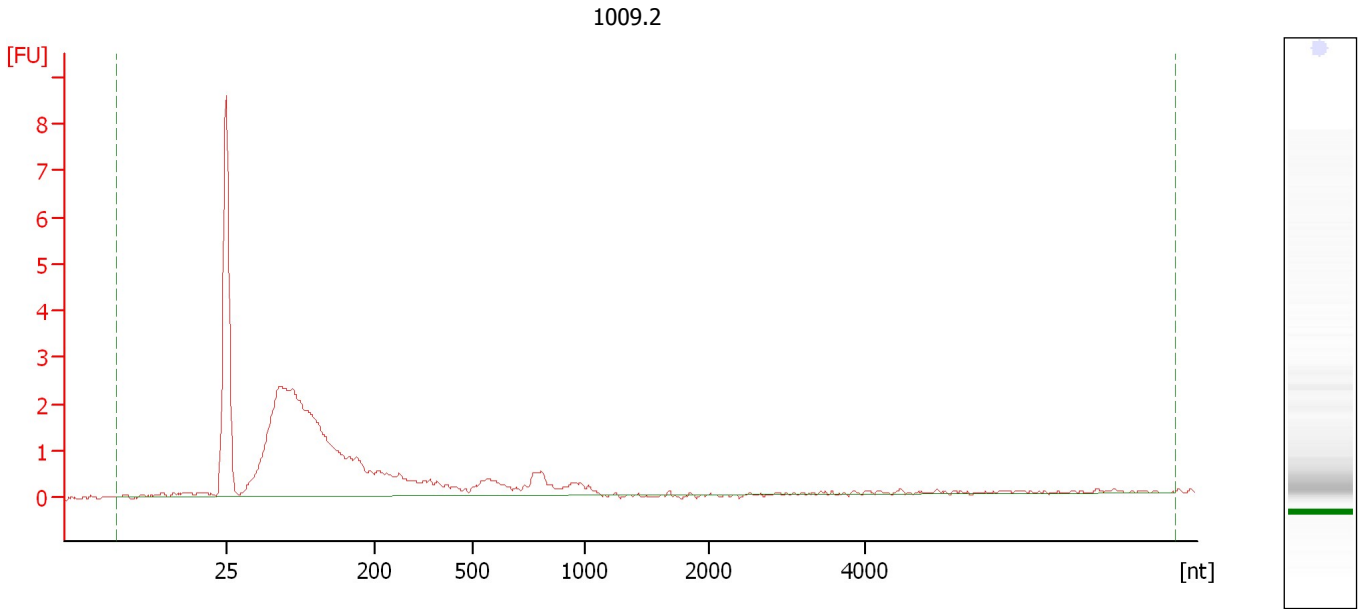
Overall Results for sample 3 : 1006.2

RNA Area:	415.5	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	266 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-03\2014-05-03_003.xad

Created: 5/3/2014 11:46:21 AM
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Electropherogram Summary Continued ...



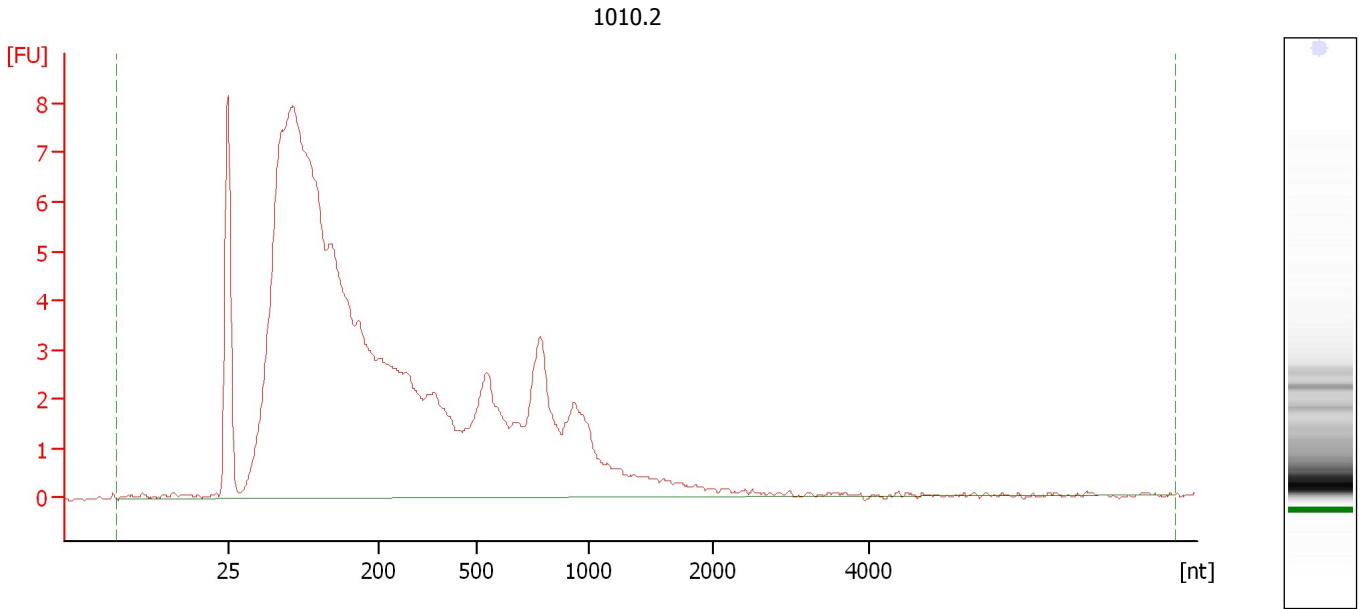
Overall Results for sample 4 : 1009.2

RNA Area:	35.8	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	23 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-03\2014-05-03_003.xad

Created: 5/3/2014 11:46:21 AM
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Electropherogram Summary Continued ...



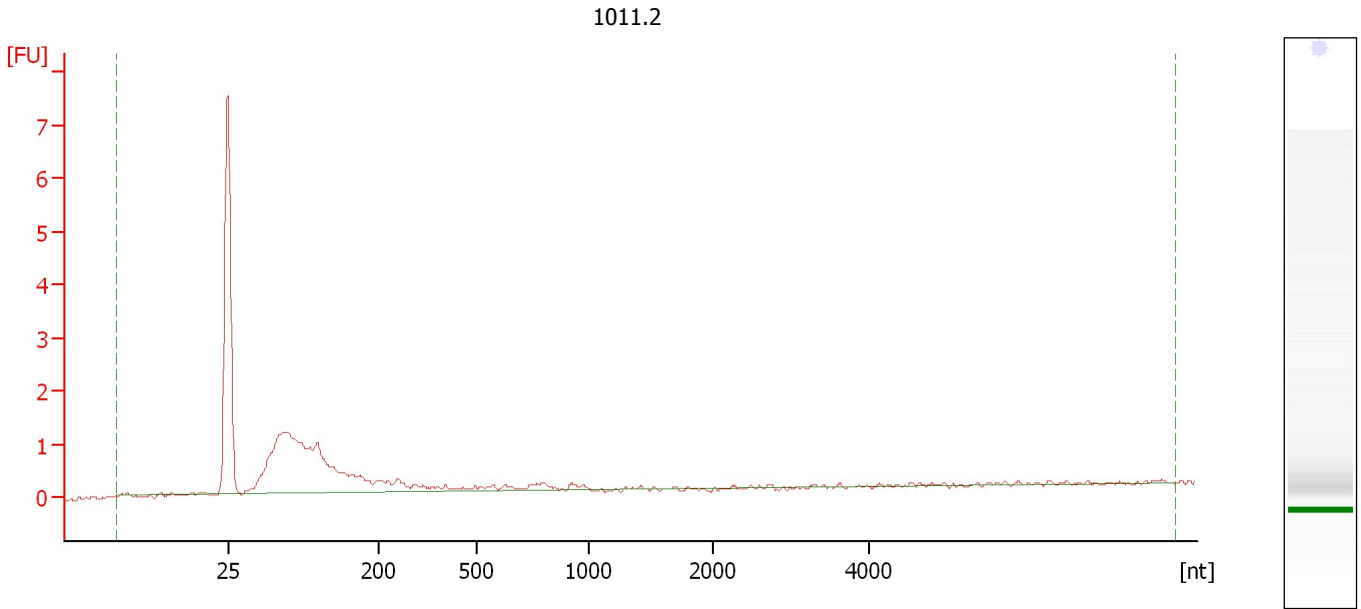
Overall Results for sample 5 : 1010.2

RNA Area:	161.7	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	103 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-03\2014-05-03_003.xad

Created: 5/3/2014 11:46:21 AM
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Electropherogram Summary Continued ...



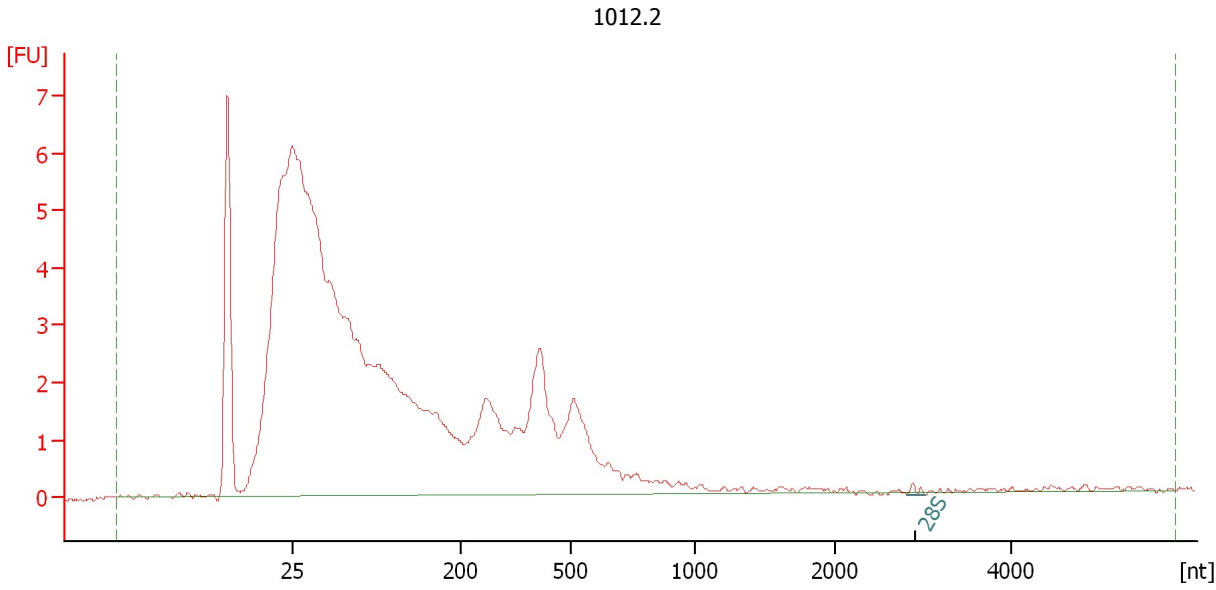
Overall Results for sample 6 : 1011.2

RNA Area:	16.3	RNA Integrity Number (RIN):	1.6 (B.02.08)
RNA Concentration:	10 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.60

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-03\2014-05-03_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 7 : 1012.2

RNA Area:	79.2	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	51 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

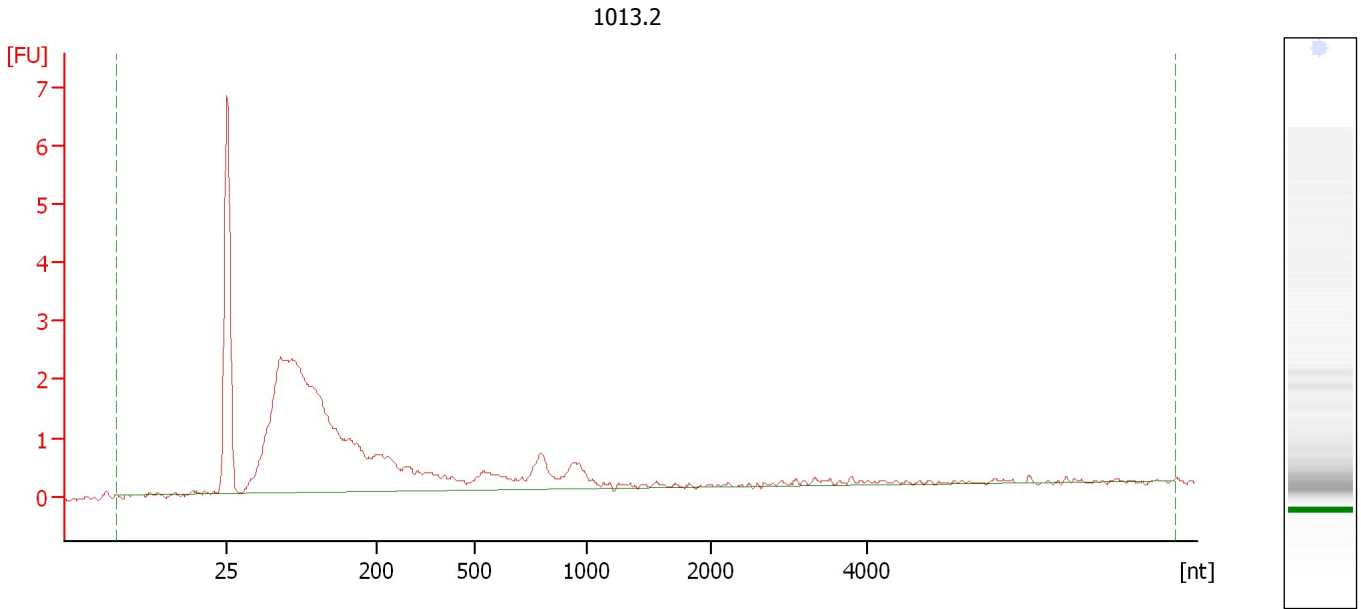
Fragment table for sample 7 : 1012.2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,814	3,020	0.1	0.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-03\2014-05-03_003.xad

Created: 5/3/2014 11:46:21 AM
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Electropherogram Summary Continued ...



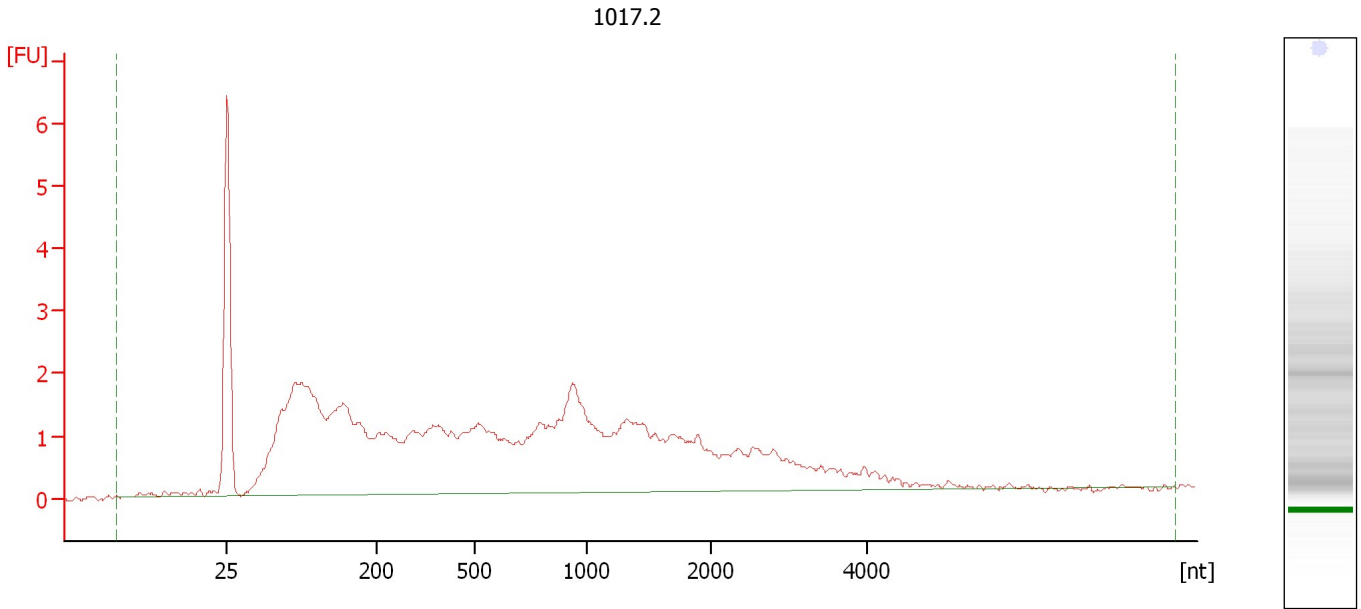
Overall Results for sample 8 : 1013.2

RNA Area:	37.9	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	24 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-03\2014-05-03_003.xad

Created: 5/3/2014 11:46:21 AM
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Electropherogram Summary Continued ...



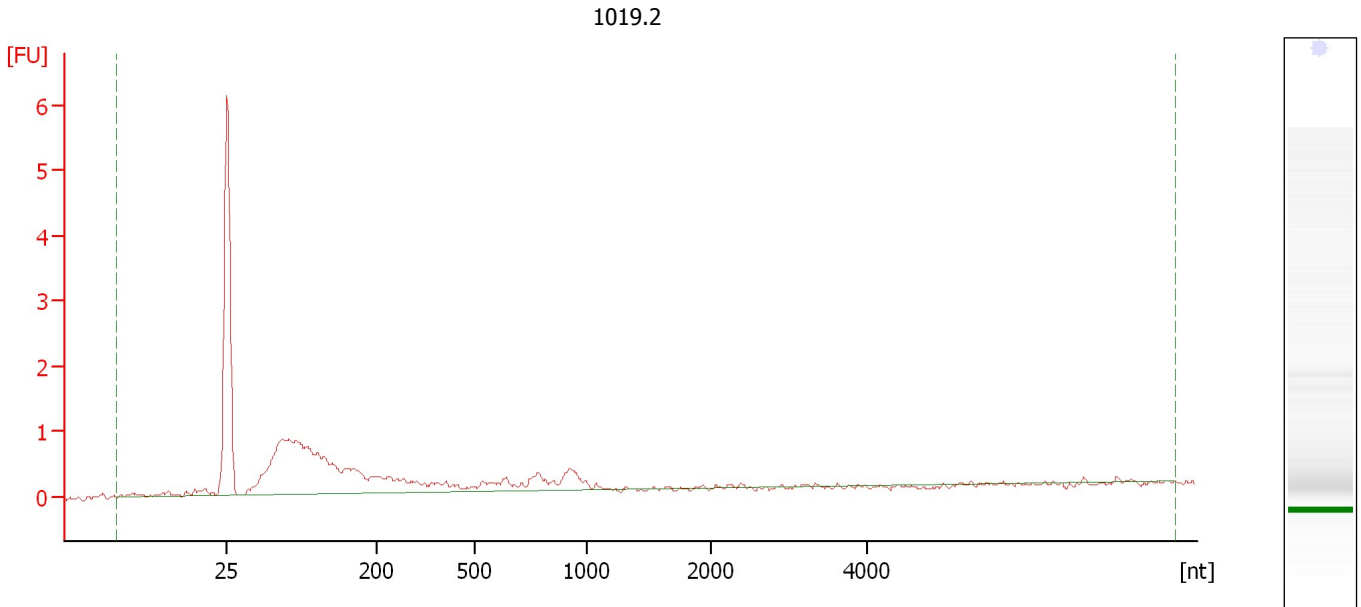
Overall Results for sample 9 : 1017.2

RNA Area:	71.9	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	46 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-03\2014-05-03_003.xad

Created: 5/3/2014 11:46:21 AM
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Electropherogram Summary Continued ...



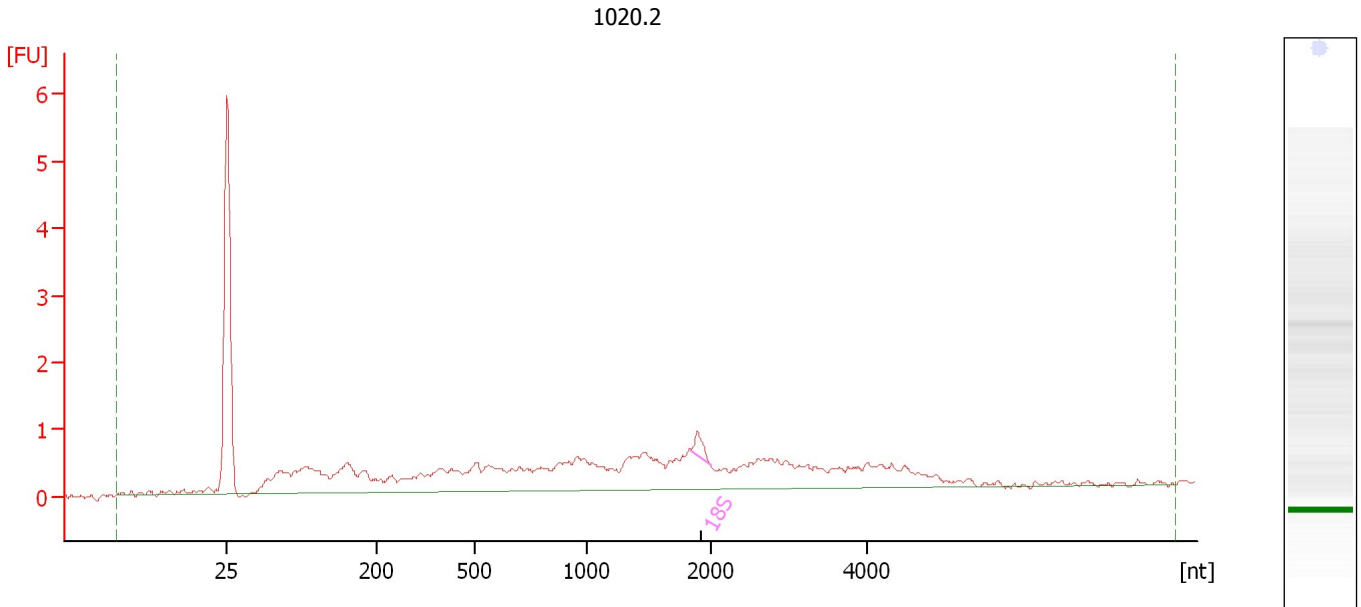
Overall Results for sample 10 : 1019.2

RNA Area:	16.4	RNA Integrity Number (RIN):	1.4 (B.02.08)
RNA Concentration:	10 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.40

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-03\2014-05-03_003.xad

Created: 5/3/2014 11:46:21 AM
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Electropherogram Summary Continued ...



Overall Results for sample 11 : 1020.2

RNA Area:	27.7	RNA Integrity Number (RIN):	2.9 (B.02.08)
RNA Concentration:	18 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.90

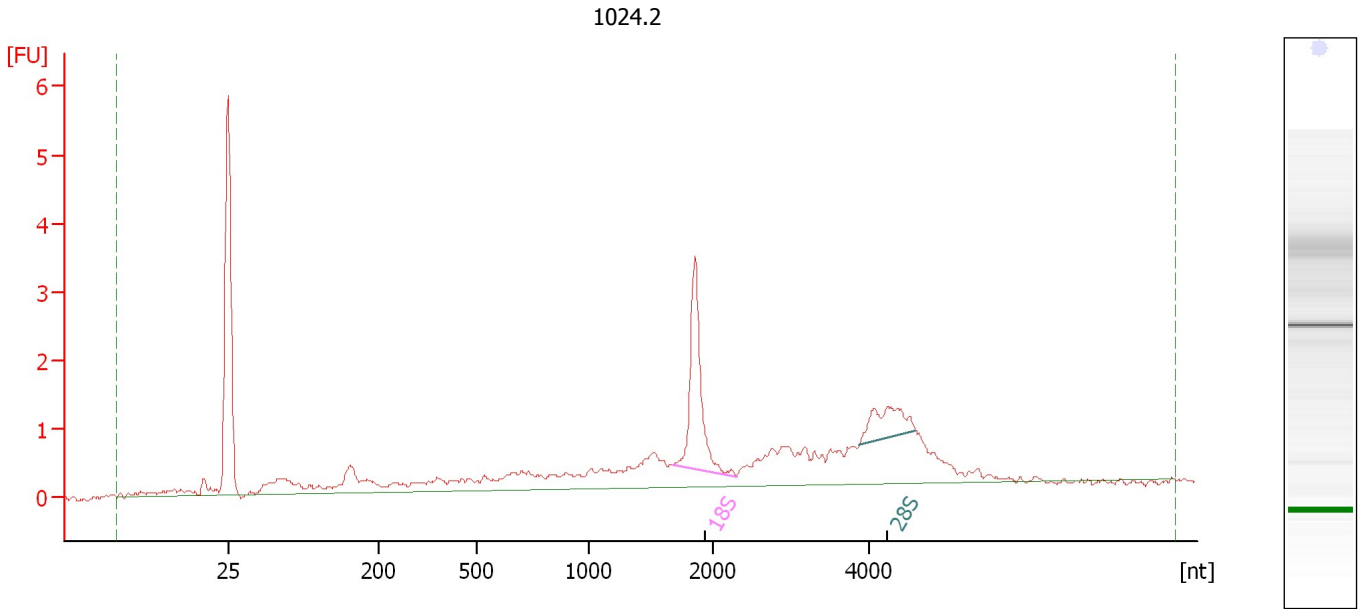
Fragment table for sample 11 : 1020.2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,853	1,999	0.4	1.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-03\2014-05-03_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 12 : 1024.2

RNA Area: 27.7 RNA Integrity Number (RIN): 7.1 (B.02.08)
RNA Concentration: 18 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.4 Result Flagging Label: RIN: 7.10

Fragment table for sample 12 : 1024.2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,690	2,314	3.6	13.2
28S	3,880	4,588	1.4	5.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-03\2014-05-03_003.xad

Created: 5/3/2014 11:46:21 AM
Modified: 5/3/2014 12:13:16 PM

Gel Image

