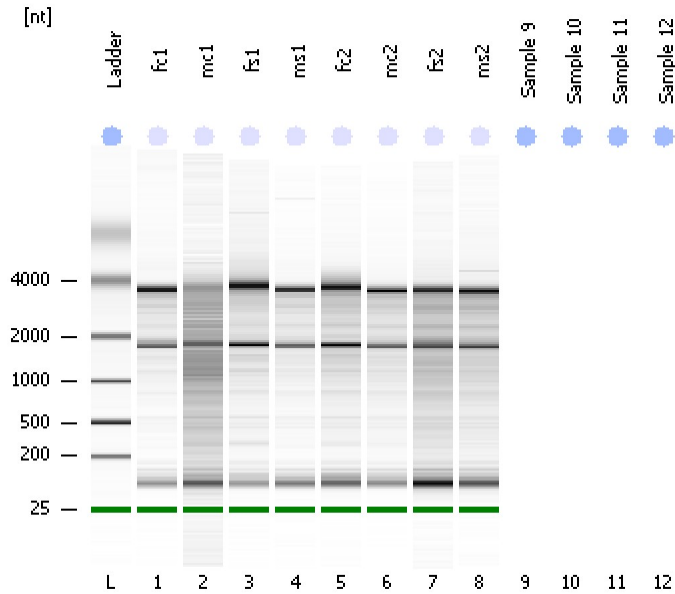


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-16\2014-05-16_002.xad

Created: 5/16/2014 11:32:49 AM
Modified: 5/16/2014 11:52:19 AM

Electrophoresis File Run Summary



Instrument Information:

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

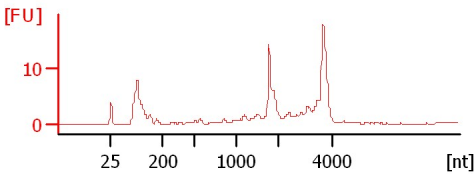
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

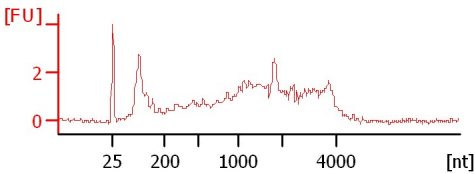
Chip Information:

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

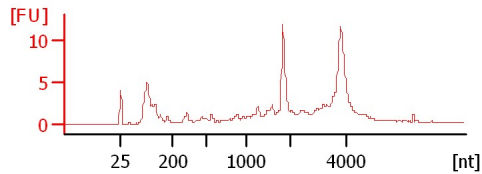
fc1
RIN: 8.30



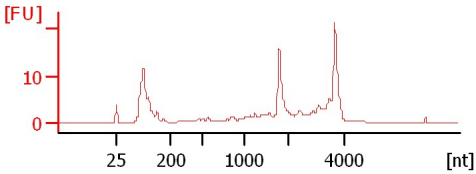
mc1
RIN: 3.60



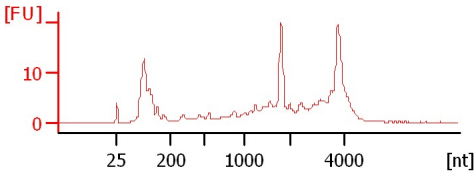
fs1
RIN: 7.60



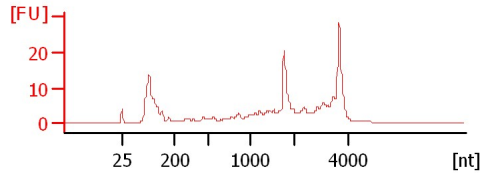
ms1
RIN: 7.80



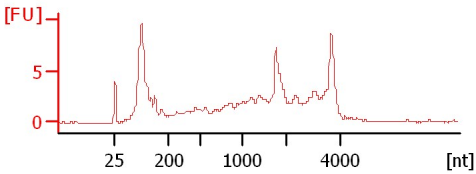
fc2
RIN: 7.10



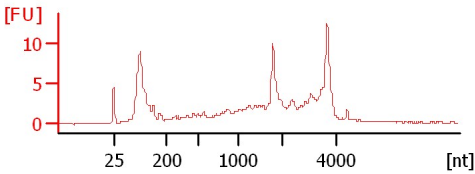
mc2
RIN: 6.70



fs2
RIN: 5.70



ms2
RIN: 6.50



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-16\2014-05-16_002.xad

Created: 5/16/2014 11:32:49 AM
Modified: 5/16/2014 11:52:19 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
fc1		✓	RIN: 8.30	
mc1		✓	RIN: 3.60	
fs1		✓	RIN: 7.60	
ms1		✓	RIN: 7.80	
fc2		✓	RIN: 7.10	
mc2		✓	RIN: 6.70	
fs2		✓	RIN: 5.70	
ms2		✓	RIN: 6.50	
Sample 9				
Sample 10				
Sample 11				
Sample 12				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-16\2014-05-16_002.xad

Created: 5/16/2014 11:32:49 AM
Modified: 5/16/2014 11:52:19 AM

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/ μ l] : 150
Lower Marker Concentration [ng/ μ l] : 0
Upper Marker Concentration [ng/ μ l] : 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

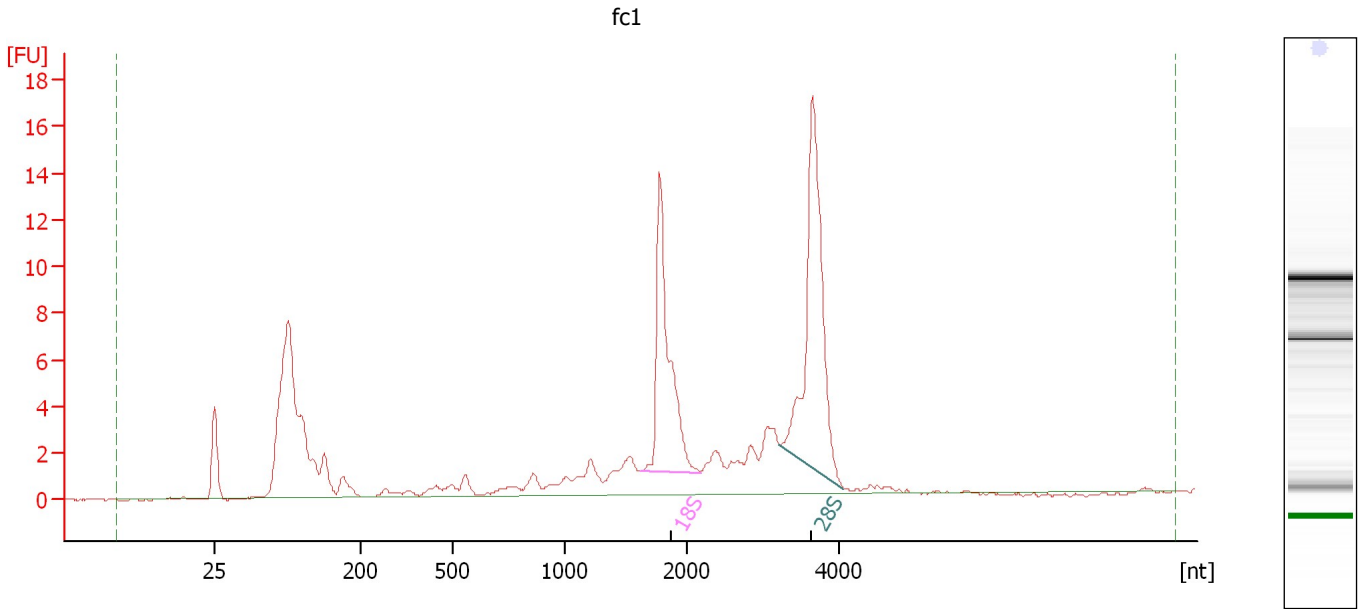
Ladder

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\2014-05-16\2014-05-16_002.xad

Created: 5/16/2014 11:32:49 AM
Modified: 5/16/2014 11:52:19 AM

Electropherogram Summary



Overall Results for sample 1 : fc1

RNA Area:	121.7	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	171 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 8.30

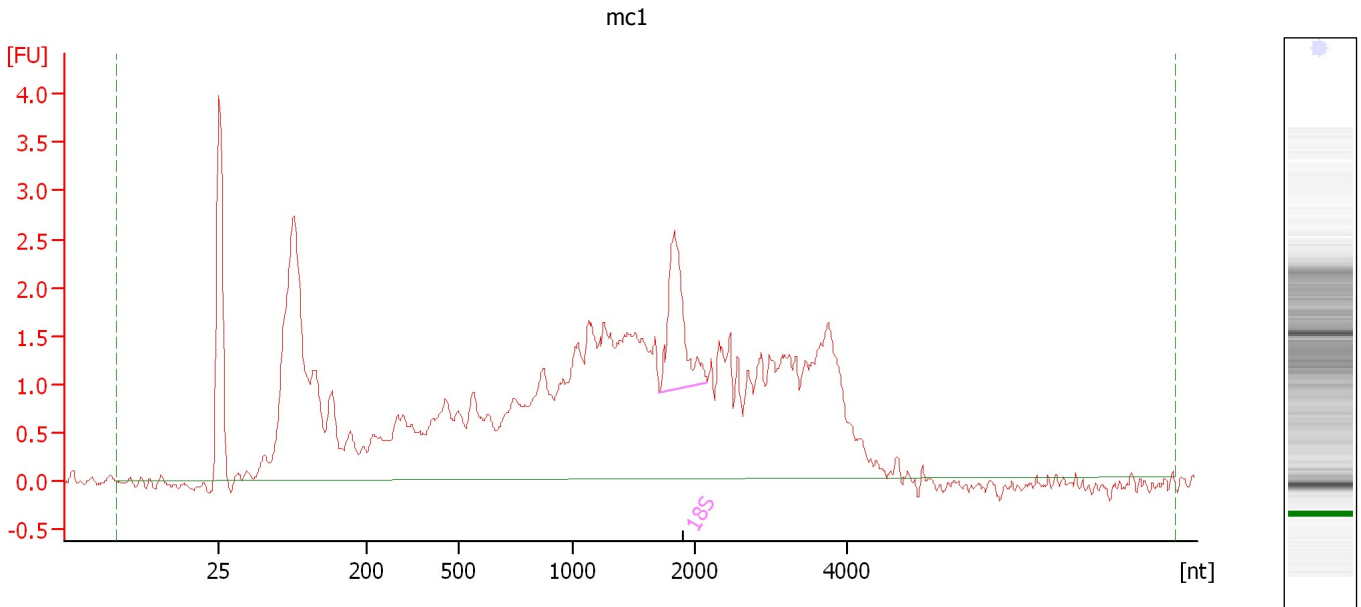
Fragment table for sample 1 : fc1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,625	2,174	17.9	14.7
28S	3,223	4,073	26.1	21.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-16\2014-05-16_002.xad

Created: 5/16/2014 11:32:49 AM
Modified: 5/16/2014 11:52:19 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : mc1

RNA Area:	70.7	RNA Integrity Number (RIN):	3.6 (B.02.08)
RNA Concentration:	100 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.60

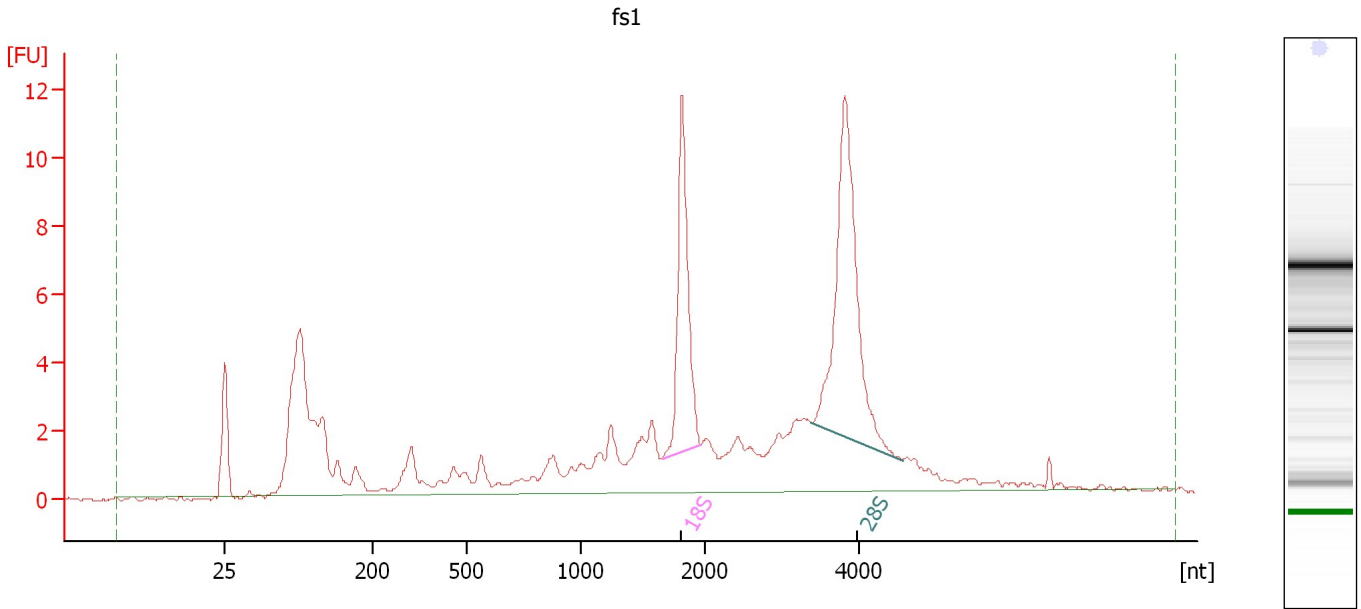
Fragment table for sample 2 : mc1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,709	2,163	2.9	4.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-16\2014-05-16_002.xad

Created: 5/16/2014 11:32:49 AM
Modified: 5/16/2014 11:52:19 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : fs1

RNA Area: 118.8 RNA Integrity Number (RIN): 7.6 (B.02.08)
RNA Concentration: 167 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN: 7.60

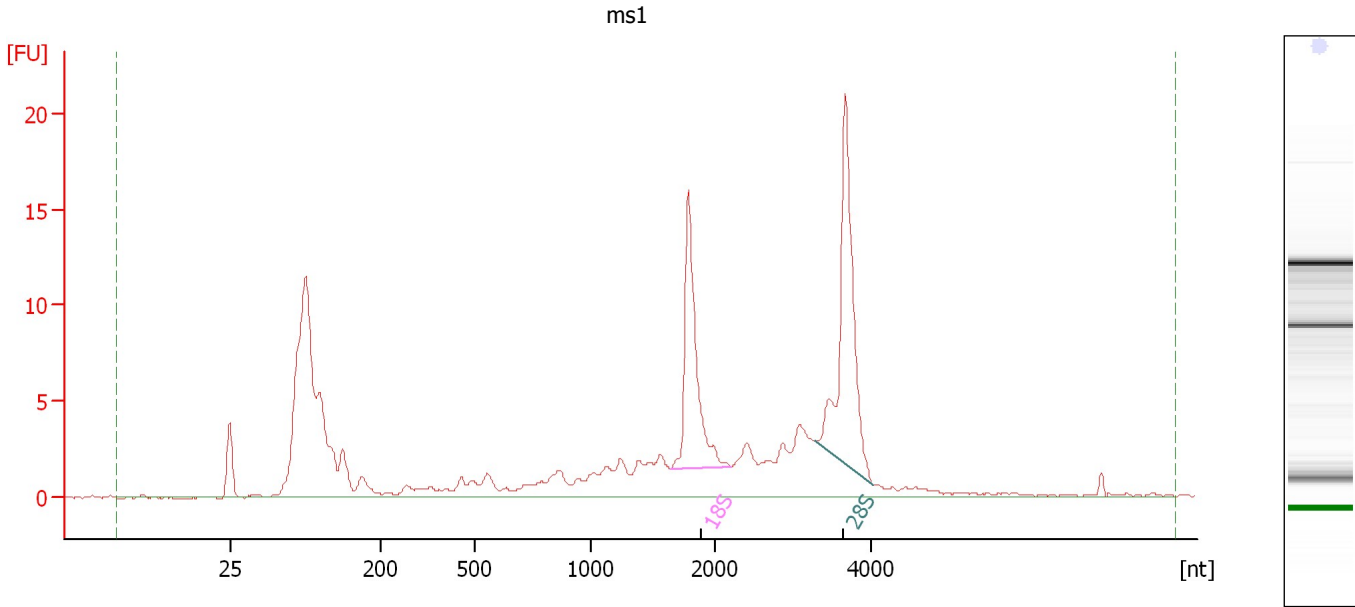
Fragment table for sample 3 : fs1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,647	1,966	12.3	10.4
28S	3,378	4,560	20.3	17.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-16\2014-05-16_002.xad

Created: 5/16/2014 11:32:49 AM
Modified: 5/16/2014 11:52:19 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : ms1

RNA Area: 167.4 RNA Integrity Number (RIN): 7.8 (B.02.08)
RNA Concentration: 236 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN: 7.80

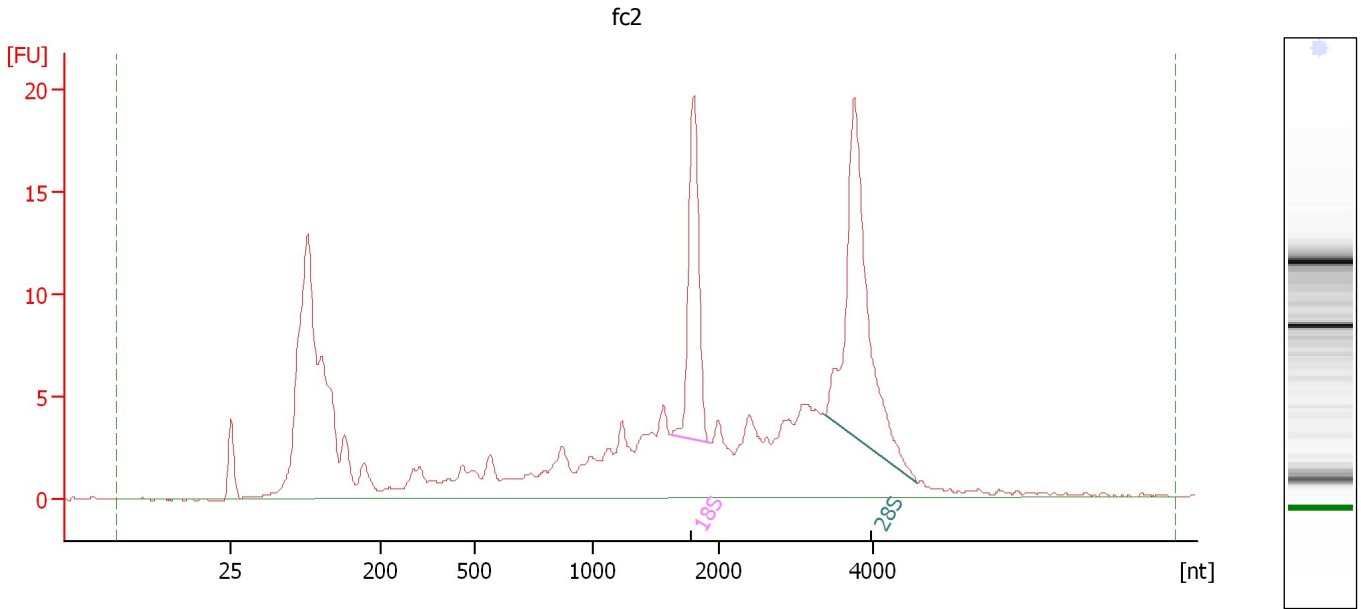
Fragment table for sample 4 : ms1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,637	2,199	18.7	11.2
28S	3,273	4,016	25.4	15.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-16\2014-05-16_002.xad

Created: 5/16/2014 11:32:49 AM
 Modified: 5/16/2014 11:52:19 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : fc2

RNA Area:	247.2	RNA Integrity Number (RIN):	7.1 (B.02.08)
RNA Concentration:	348 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 7.10

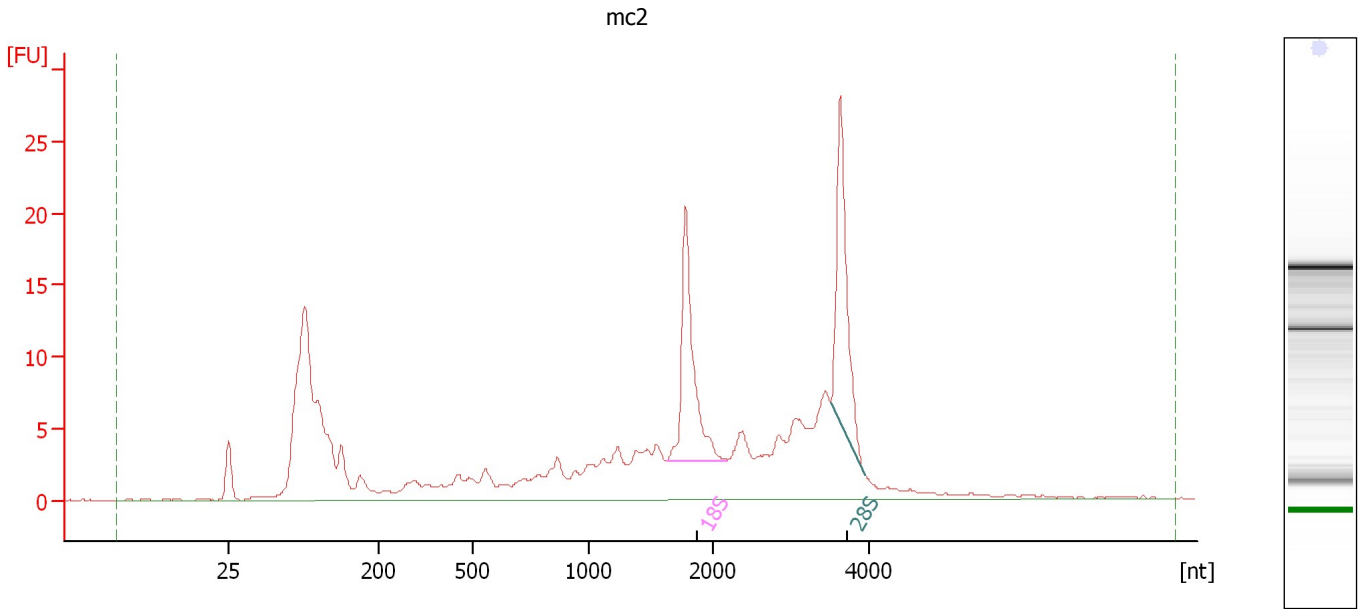
Fragment table for sample 5 : fc2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,622	1,936	19.8	8.0
28S	3,382	4,549	34.4	13.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-16\2014-05-16_002.xad

Created: 5/16/2014 11:32:49 AM
Modified: 5/16/2014 11:52:19 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : mc2

RNA Area: 256.0 RNA Integrity Number (RIN): 6.7 (B.02.08)
RNA Concentration: 361 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.0 Result Flagging Label: RIN: 6.70

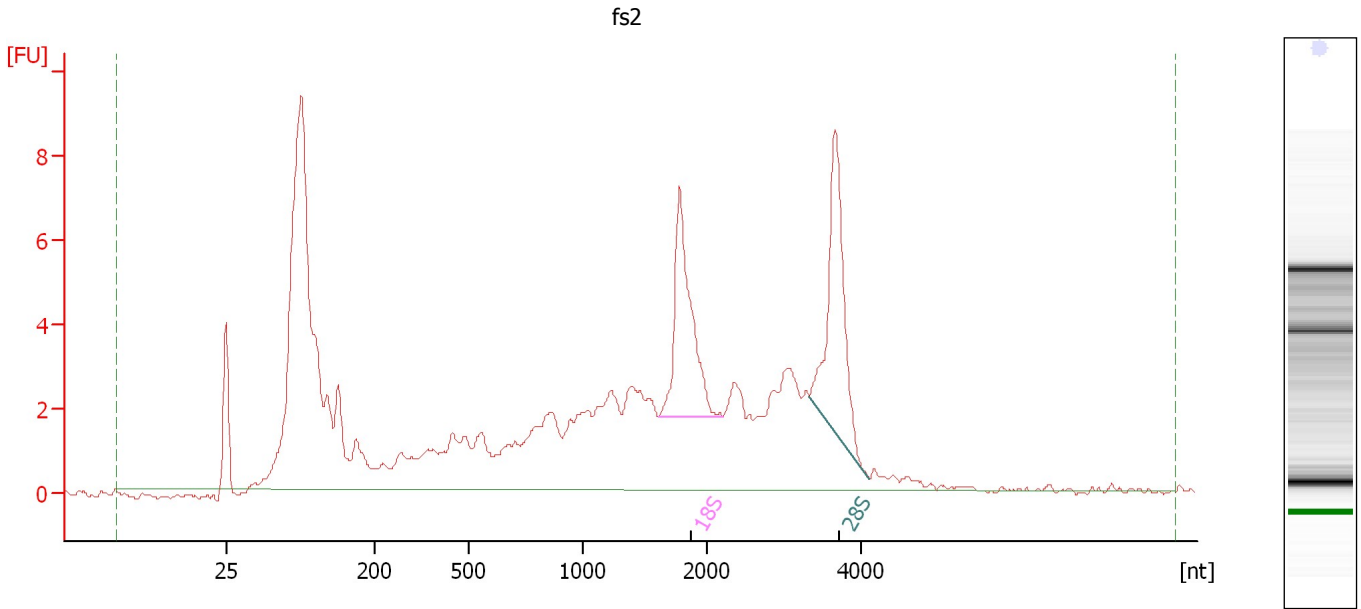
Fragment table for sample 6 : mc2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,619	2,171	23.7	9.3
28S	3,509	3,950	23.4	9.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-16\2014-05-16_002.xad

Created: 5/16/2014 11:32:49 AM
Modified: 5/16/2014 11:52:19 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : fs2

RNA Area: 152.3 RNA Integrity Number (RIN): 5.7 (B.02.08)
RNA Concentration: 215 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.1 Result Flagging Label: RIN: 5.70

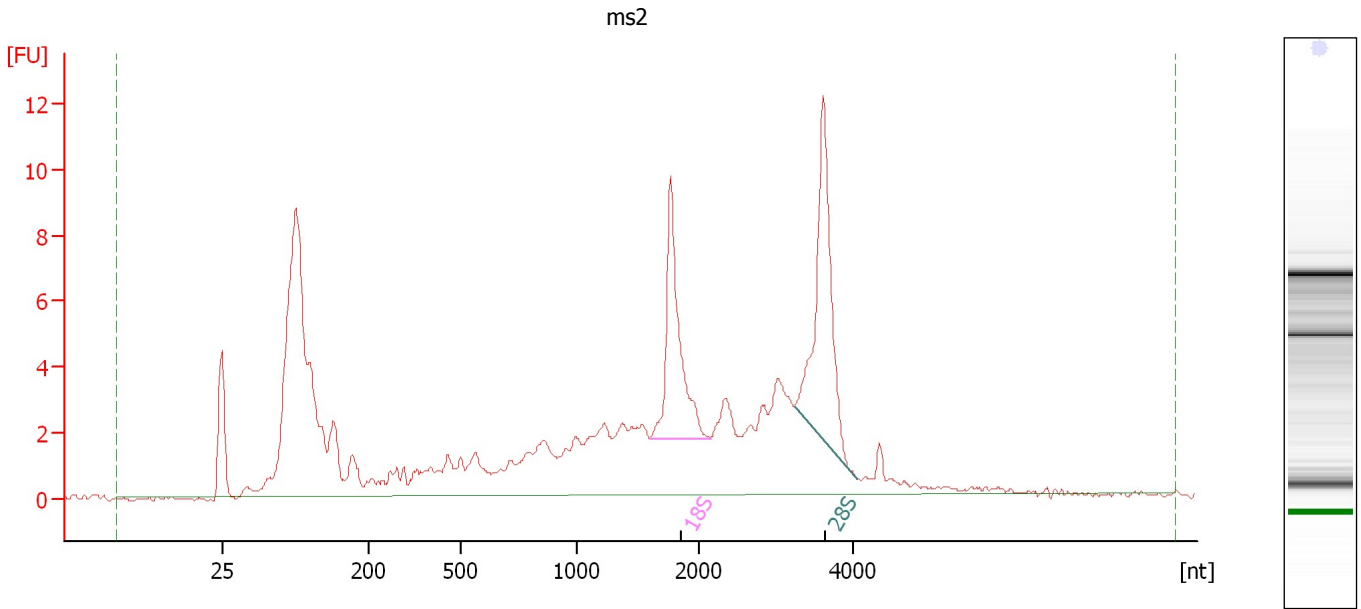
Fragment table for sample 7 : fs2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,605	2,196	10.1	6.6
28S	3,320	4,098	11.1	7.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-16\2014-05-16_002.xad

Created: 5/16/2014 11:32:49 AM
Modified: 5/16/2014 11:52:19 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : ms2

RNA Area:	156.4	RNA Integrity Number (RIN):	6.5 (B.02.08)
RNA Concentration:	220 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 6.50

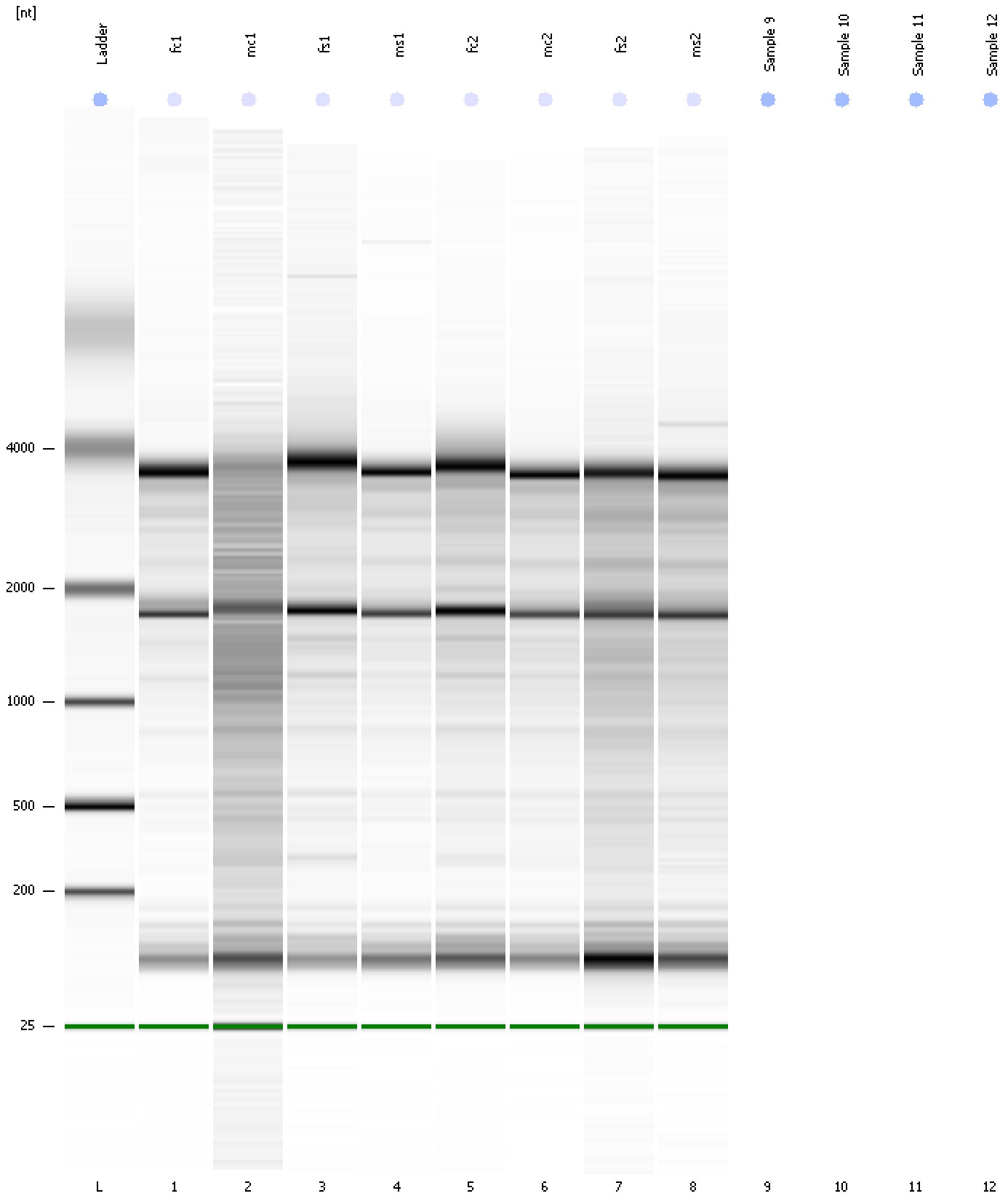
Fragment table for sample 8 : ms2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,599	2,137	11.8	7.6
28S	3,243	4,054	15.7	10.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-16\2014-05-16_002.xad

Created: 5/16/2014 11:32:49 AM
Modified: 5/16/2014 11:52:19 AM

Gel Image



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-16\2014-05-16_002.xad

Created: 5/16/2014 11:32:49 AM
Modified: 5/16/2014 11:52:19 AM

Invalid Samples

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Sample 12 has not been run, no results available.