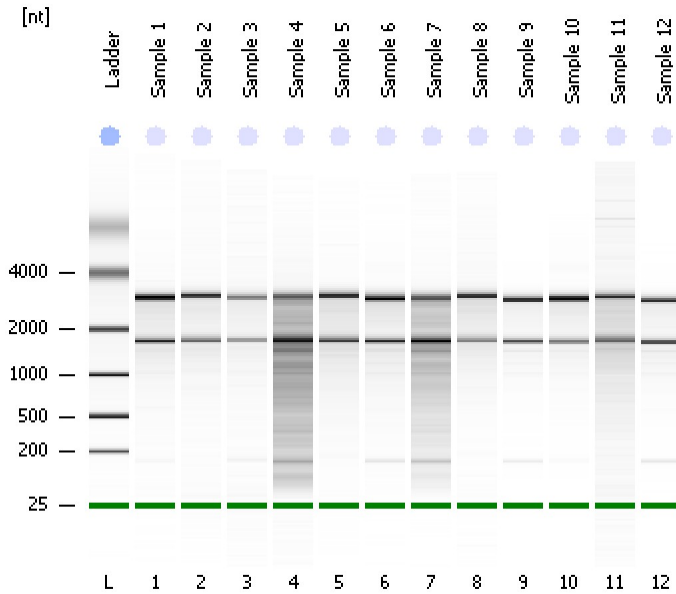


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-16\2014-06-16_003.xad

Created: 6/16/2014 3:40:19 PM
Modified: 6/16/2014 4:04:08 PM

Electrophoresis File Run Summary



Instrument Information:

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

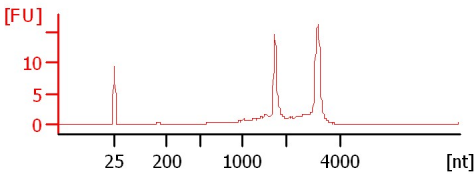
Assay Information:

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)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

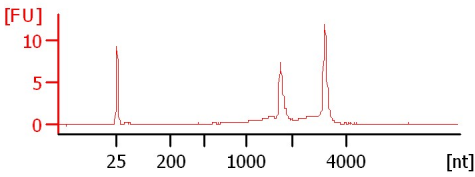
Chip Information:

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

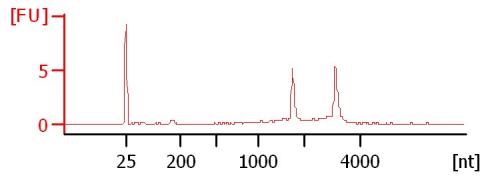
Sample 1
RIN: 8.40



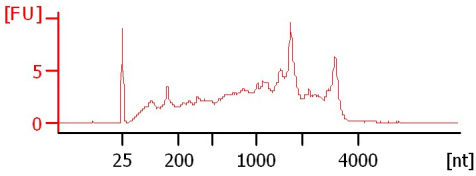
Sample 2
RIN: 8.50



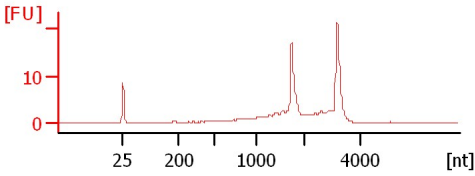
Sample 3
RIN: 8.50



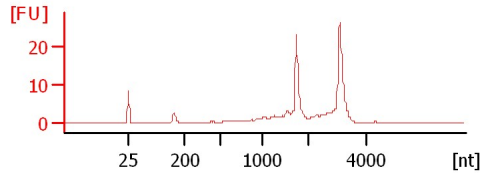
Sample 4
RIN: 5.20



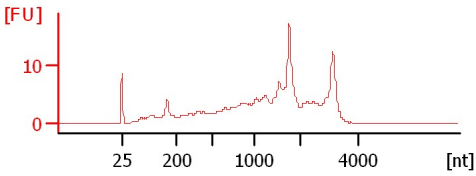
Sample 5
RIN: 8.20



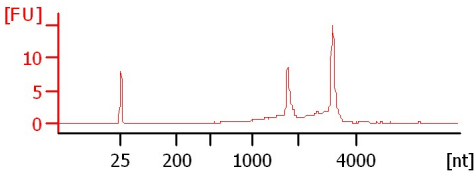
Sample 6
RIN: 8.10



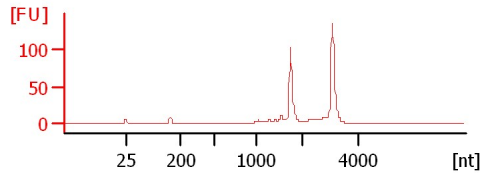
Sample 7
RIN: 6.10



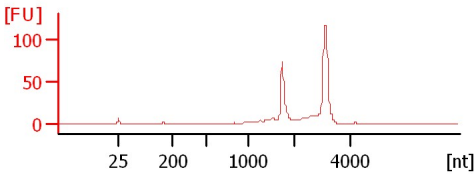
Sample 8
RIN: 8.30



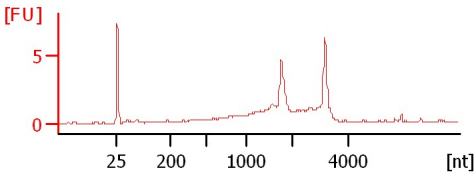
Sample 9
RIN: 9.10



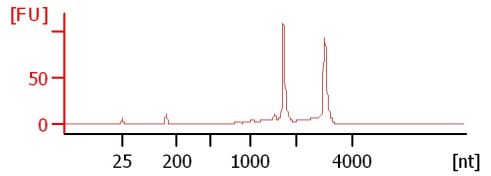
Sample 10
RIN: 9



Sample 11
RIN: 7.30



Sample 12
RIN: 8.30



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-16\2014-06-16_003.xad

Created: 6/16/2014 3:40:19 PM
Modified: 6/16/2014 4:04:08 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN: 8.40	
Sample 2		✓	RIN: 8.50	
Sample 3		✓	RIN: 8.50	
Sample 4		✓	RIN: 5.20	
Sample 5		✓	RIN: 8.20	
Sample 6		✓	RIN: 8.10	
Sample 7		✓	RIN: 6.10	
Sample 8		✓	RIN: 8.30	
Sample 9		✓	RIN: 9.10	
Sample 10		✓	RIN:9	
Sample 11		✓	RIN: 7.30	
Sample 12		✓	RIN: 8.30	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-16\2014-06-16_003.xad

Created: 6/16/2014 3:40:19 PM
Modified: 6/16/2014 4:04:08 PM

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

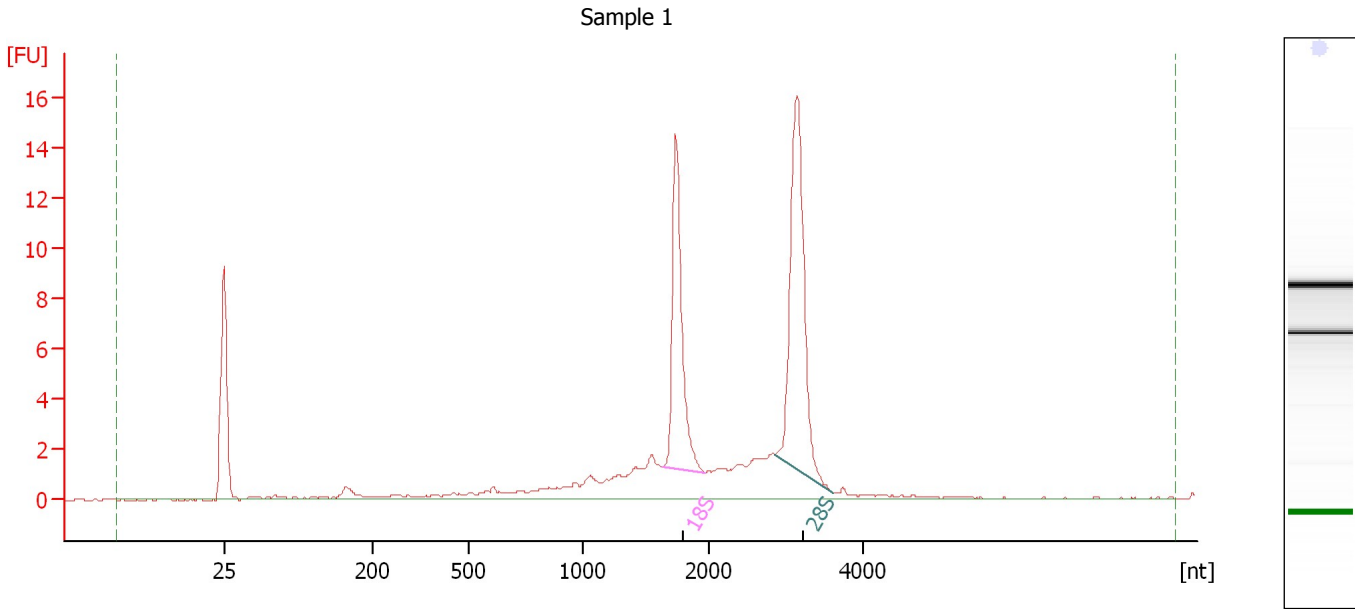
Ladder

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\2014-06-16\2014-06-16_003.xad

Created: 6/16/2014 3:40:19 PM
Modified: 6/16/2014 4:04:08 PM

Electropherogram Summary



Overall Results for sample 1 : Sample 1

RNA Area:	75.1	RNA Integrity Number (RIN):	8.4 (B.02.08)
RNA Concentration:	50 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 8.40

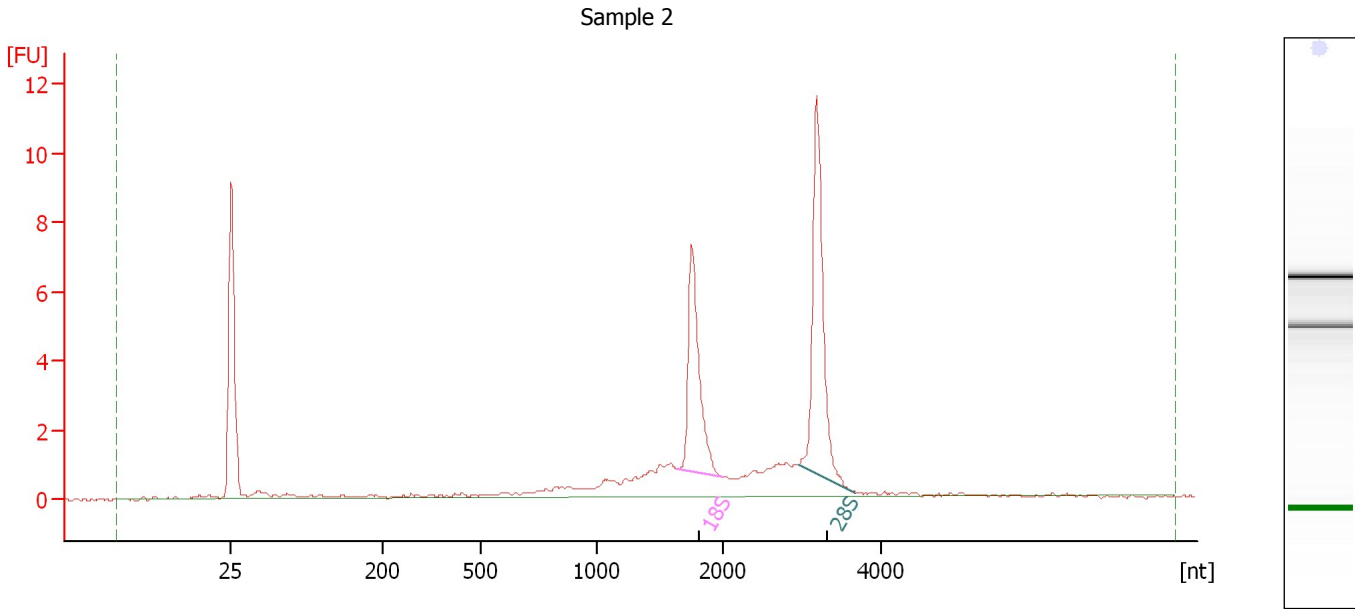
Fragment table for sample 1 : Sample 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,630	1,970	14.2	18.9
28S	2,853	3,617	21.5	28.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-16\2014-06-16_003.xad

Created: 6/16/2014 3:40:19 PM
Modified: 6/16/2014 4:04:08 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample 2

RNA Area:	42.0	RNA Integrity Number (RIN):	8.5 (B.02.08)
RNA Concentration:	28 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.50

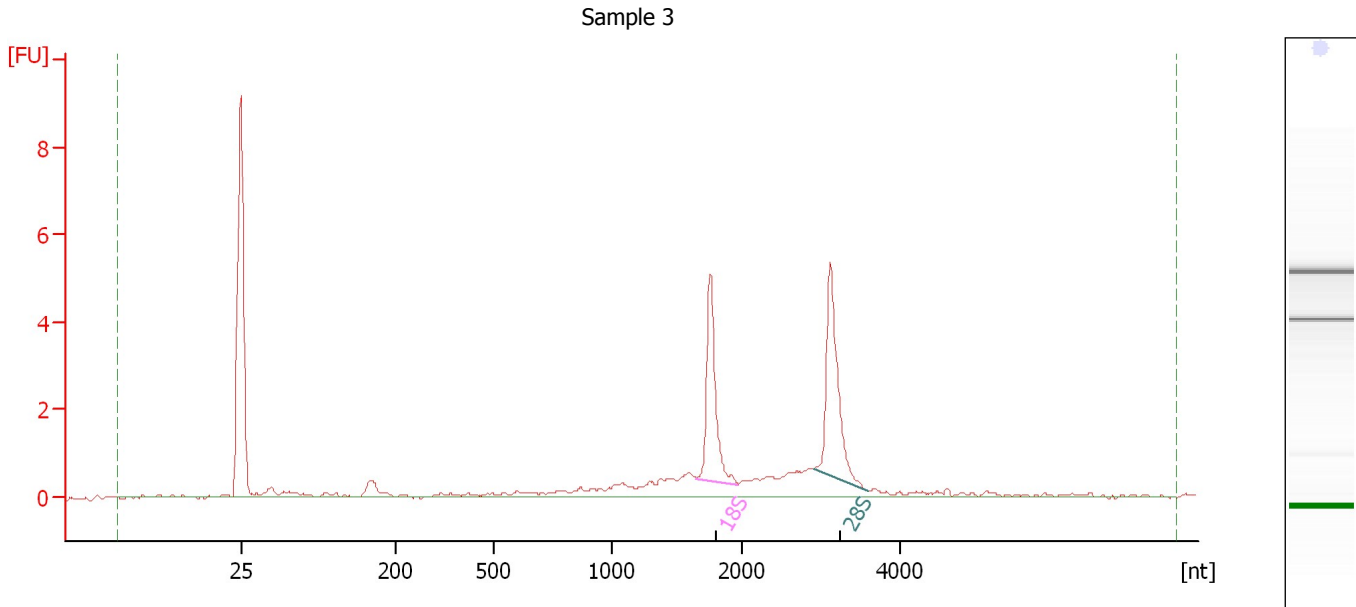
Fragment table for sample 2 : Sample 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,631	1,991	8.1	19.2
28S	2,958	3,683	11.2	26.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-16\2014-06-16_003.xad

Created: 6/16/2014 3:40:19 PM
Modified: 6/16/2014 4:04:08 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Sample 3

RNA Area:	24.5	RNA Integrity Number (RIN):	8.5 (B.02.08)
RNA Concentration:	16 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.50

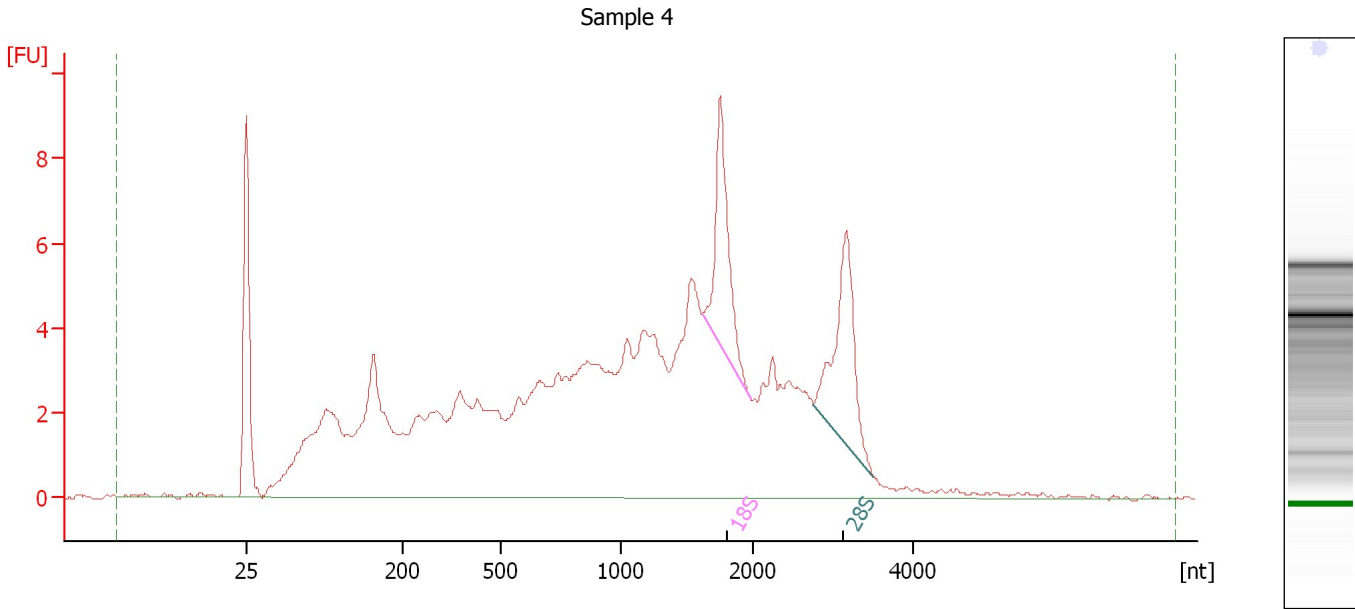
Fragment table for sample 3 : Sample 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,650	1,980	4.5	18.3
28S	2,924	3,597	5.6	23.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-16\2014-06-16_003.xad

Created: 6/16/2014 3:40:19 PM
Modified: 6/16/2014 4:04:08 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Sample 4

RNA Area:	186.4	RNA Integrity Number (RIN):	5.2 (B.02.08)
RNA Concentration:	124 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 5.20

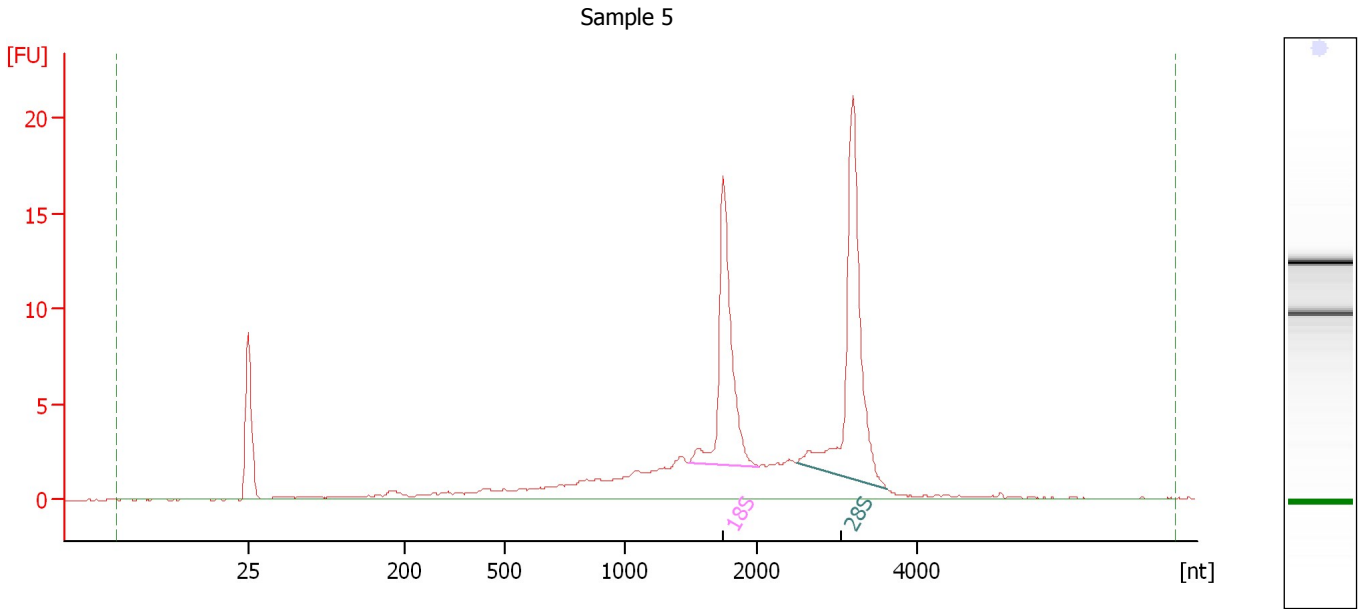
Fragment table for sample 4 : Sample 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,617	1,983	8.5	4.5
28S	2,759	3,504	9.4	5.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-16\2014-06-16_003.xad

Created: 6/16/2014 3:40:19 PM
 Modified: 6/16/2014 4:04:08 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Sample 5

RNA Area:	103.7	RNA Integrity Number (RIN):	8.2 (B.02.08)
RNA Concentration:	69 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.20

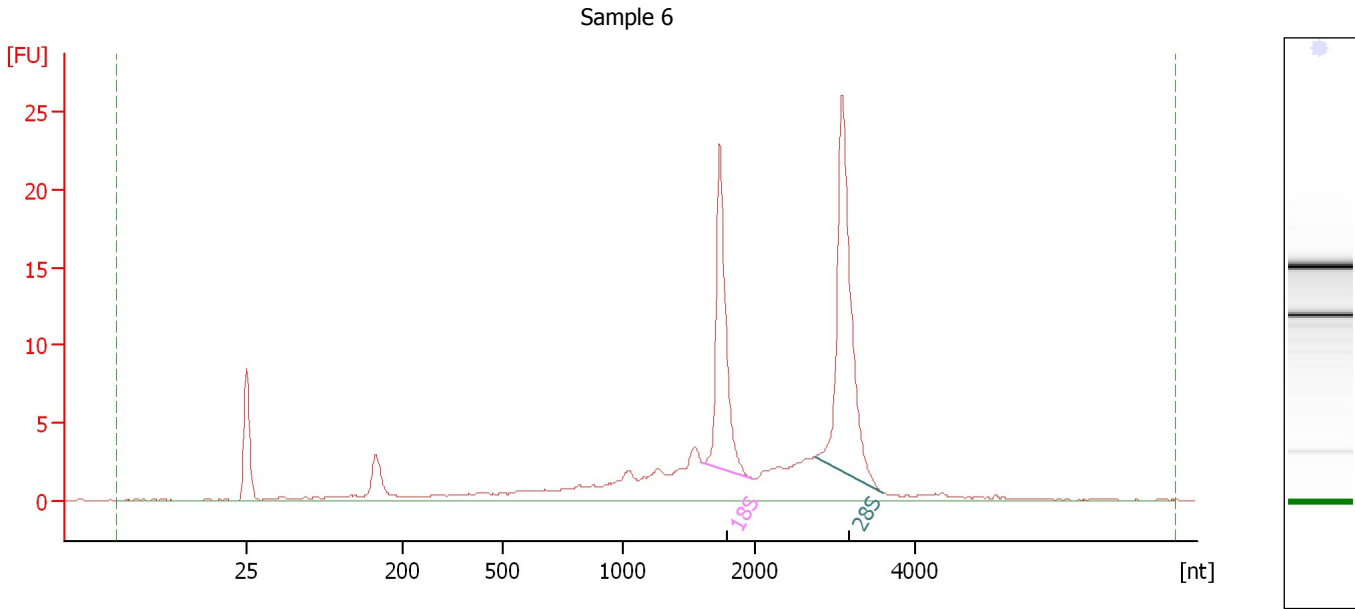
Fragment table for sample 5 : Sample 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,481	2,028	20.1	19.4
28S	2,506	3,606	26.8	25.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-16\2014-06-16_003.xad

Created: 6/16/2014 3:40:19 PM
 Modified: 6/16/2014 4:04:08 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Sample 6

RNA Area:	131.7	RNA Integrity Number (RIN):	8.1 (B.02.08)
RNA Concentration:	88 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 8.10

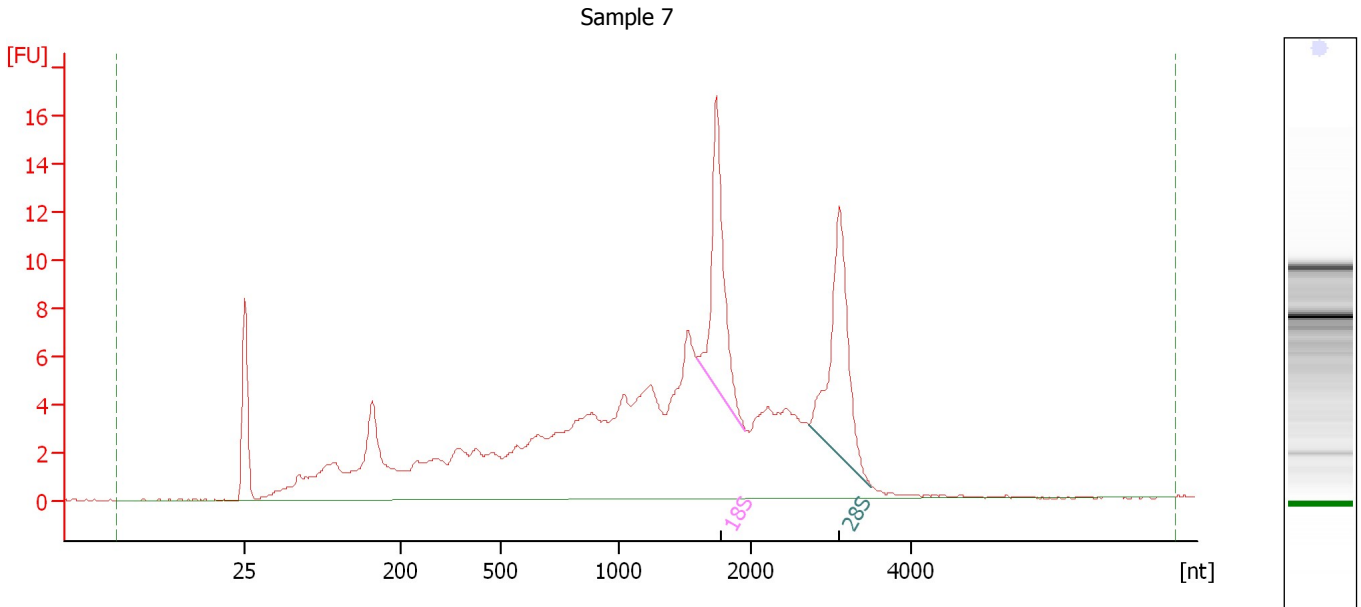
Fragment table for sample 6 : Sample 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,602	1,984	22.6	17.2
28S	2,745	3,595	33.9	25.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-16\2014-06-16_003.xad

Created: 6/16/2014 3:40:19 PM
Modified: 6/16/2014 4:04:08 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Sample 7

RNA Area:	212.1	RNA Integrity Number (RIN):	6.1 (B.02.08)
RNA Concentration:	141 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 6.10

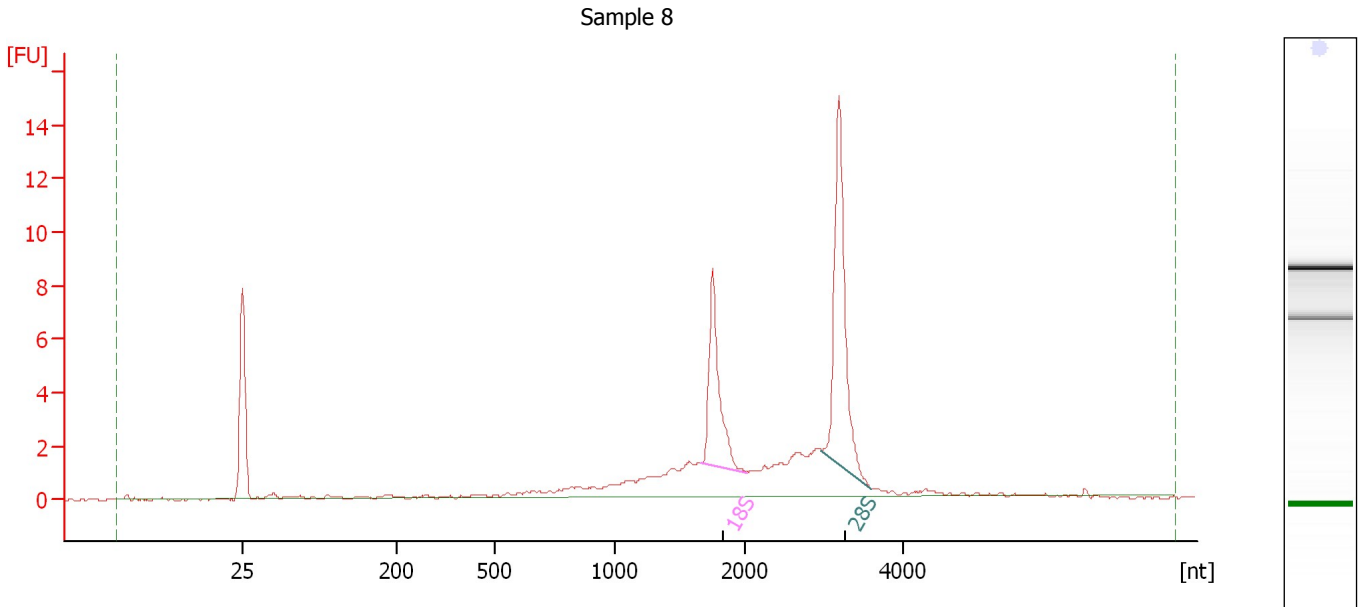
Fragment table for sample 7 : Sample 7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,583	1,958	15.9	7.5
28S	2,719	3,506	17.6	8.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-16\2014-06-16_003.xad

Created: 6/16/2014 3:40:19 PM
Modified: 6/16/2014 4:04:08 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Sample 8

RNA Area: 55.0 RNA Integrity Number (RIN): 8.3 (B.02.08)
RNA Concentration: 37 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.8 Result Flagging Label: RIN: 8.30

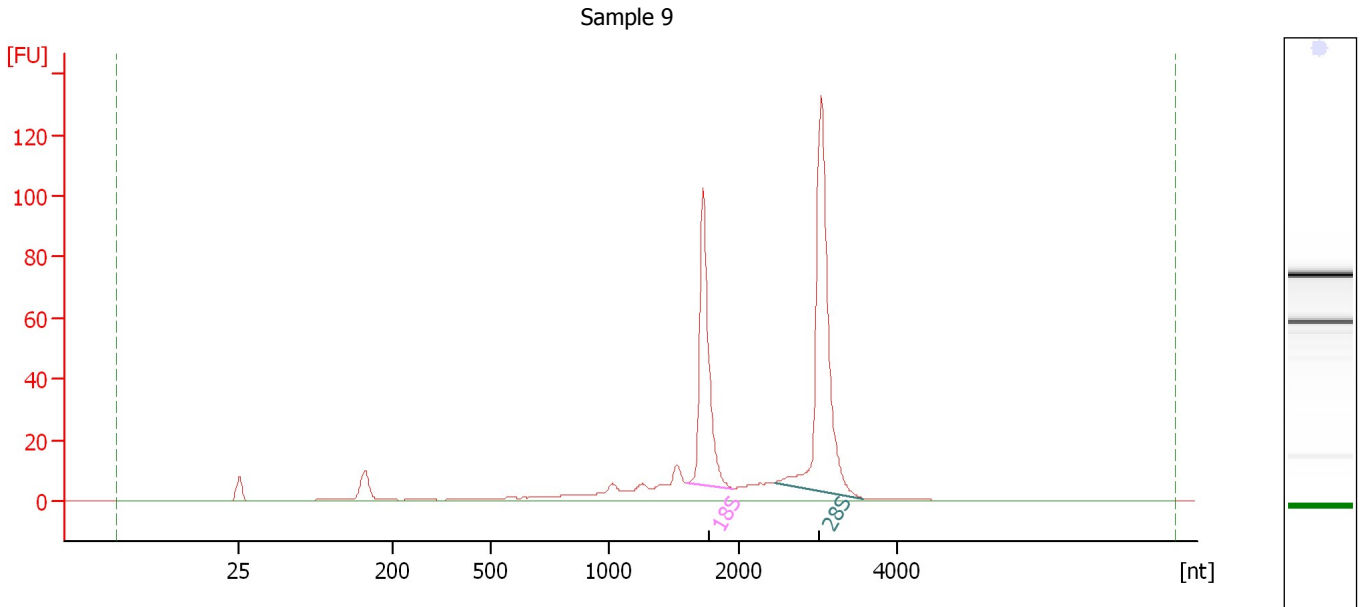
Fragment table for sample 8 : Sample 8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,669	2,023	8.1	14.8
28S	2,962	3,579	14.3	26.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-16\2014-06-16_003.xad

Created: 6/16/2014 3:40:19 PM
Modified: 6/16/2014 4:04:08 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Sample 9

RNA Area: 430.8 RNA Integrity Number (RIN): 9.1 (B.02.08)
RNA Concentration: 287 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN: 9.10

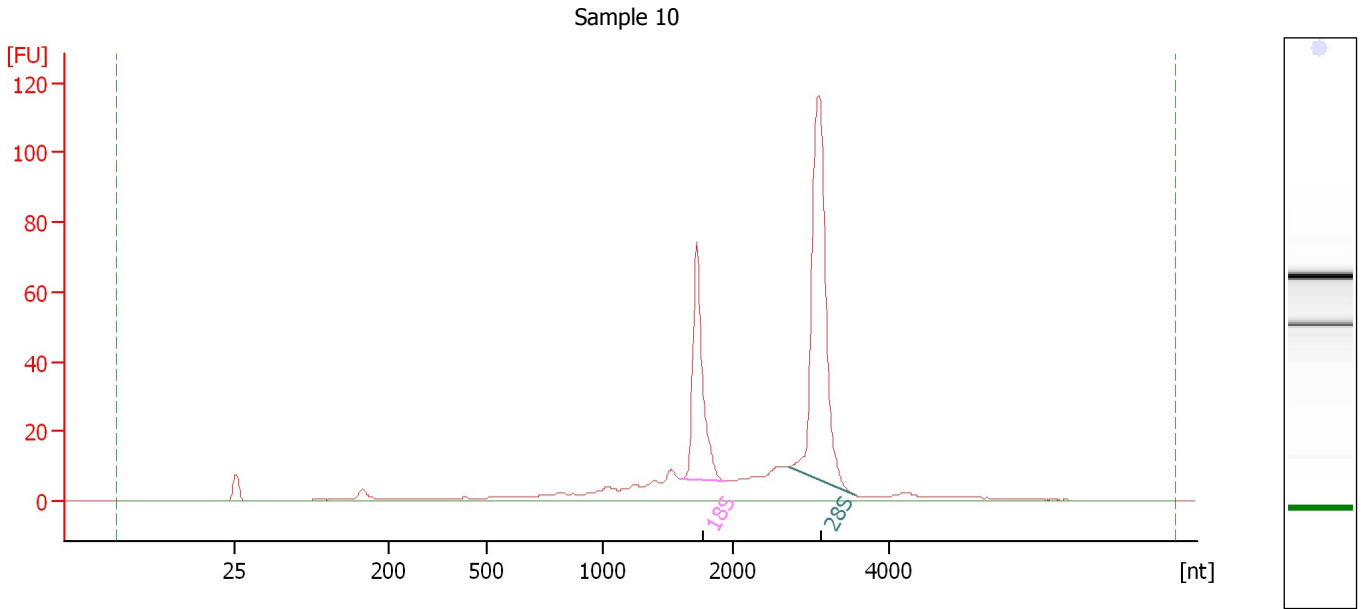
Fragment table for sample 9 : Sample 9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,599	1,954	101.5	23.6
28S	2,452	3,572	158.2	36.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-16\2014-06-16_003.xad

Created: 6/16/2014 3:40:19 PM
Modified: 6/16/2014 4:04:08 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Sample 10

RNA Area: 436.1 RNA Integrity Number (RIN): 9 (B.02.08)
RNA Concentration: 290 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.1 Result Flagging Label: RIN:9

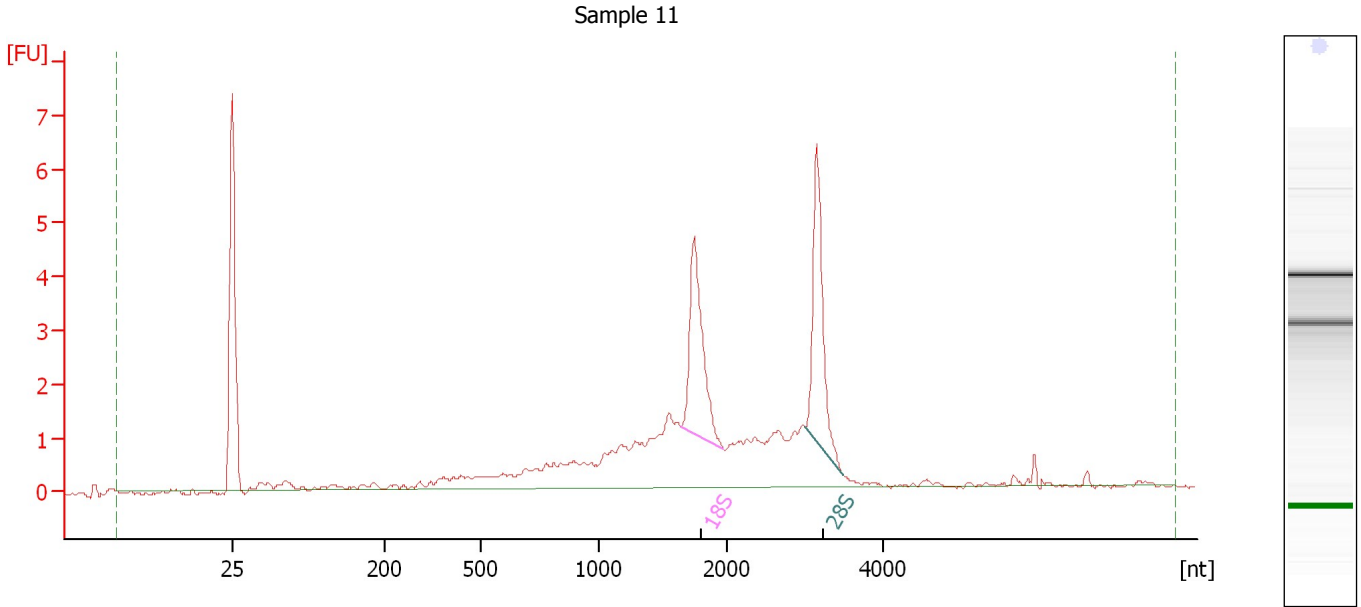
Fragment table for sample 10 : Sample 10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,595	1,944	75.5	17.3
28S	2,710	3,552	158.2	36.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-16\2014-06-16_003.xad

Created: 6/16/2014 3:40:19 PM
Modified: 6/16/2014 4:04:08 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Sample 11

RNA Area:	40.6	RNA Integrity Number (RIN):	7.3 (B.02.08)
RNA Concentration:	27 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 7.30

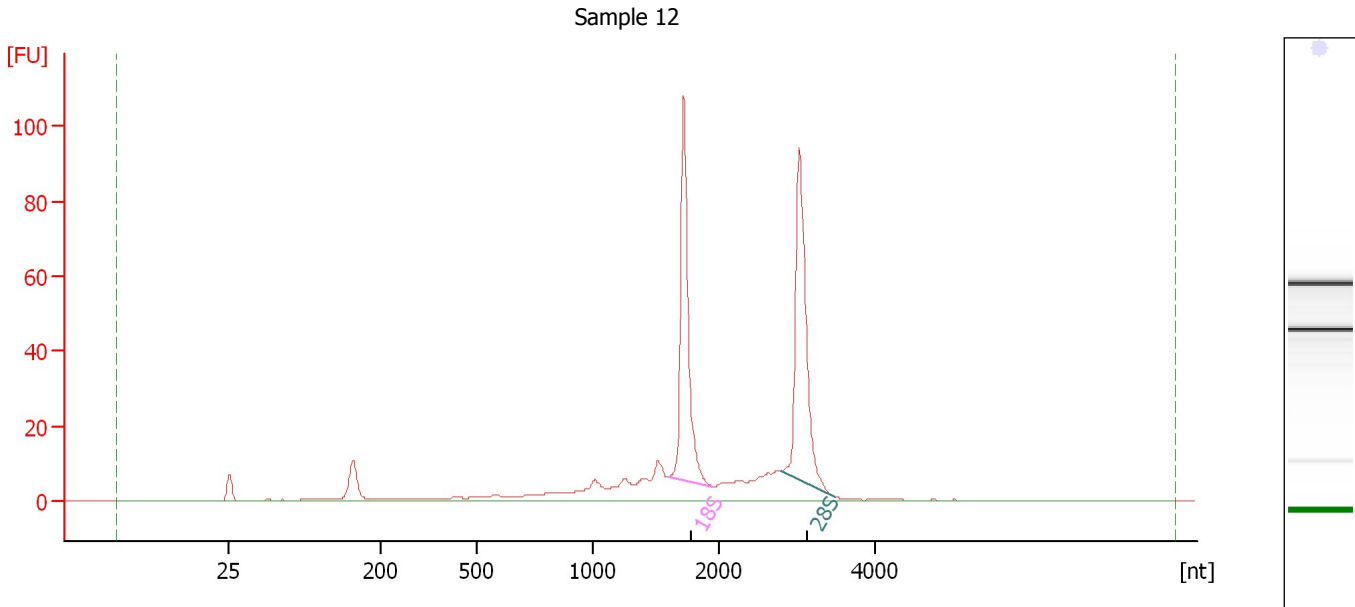
Fragment table for sample 11 : Sample 11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,649	1,984	5.3	13.2
28S	3,012	3,490	5.4	13.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-16\2014-06-16_003.xad

Created: 6/16/2014 3:40:19 PM
Modified: 6/16/2014 4:04:08 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : Sample 12

RNA Area: 380.0 RNA Integrity Number (RIN): 8.3 (B.02.08)
RNA Concentration: 253 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.0 Result Flagging Label: RIN: 8.30

Fragment table for sample 12 : Sample 12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,595	1,948	94.6	24.9
28S	2,795	3,482	96.3	25.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-16\2014-06-16_003.xad

Created: 6/16/2014 3:40:19 PM
Modified: 6/16/2014 4:04:08 PM

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