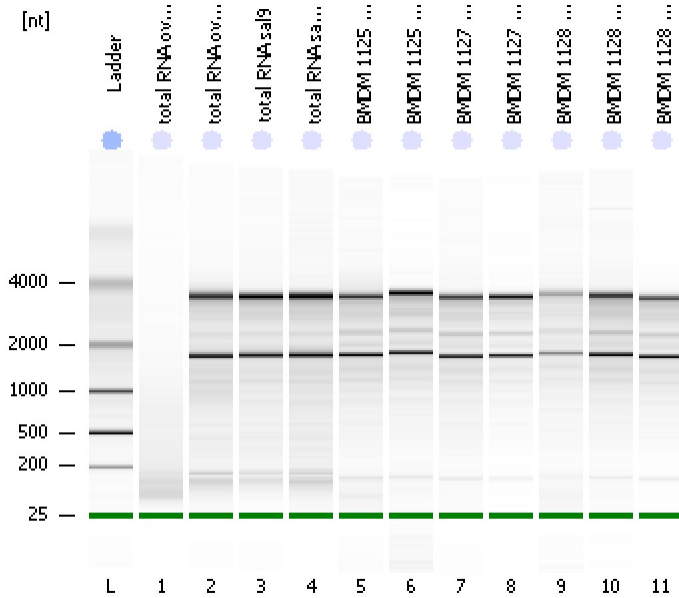


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-03\2015-12-03_002.xad

Created: 12/3/2015 4:15:58 PM
Modified: 12/3/2015 4:38:53 PM

Electrophoresis File Run Summary



Instrument Information:

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

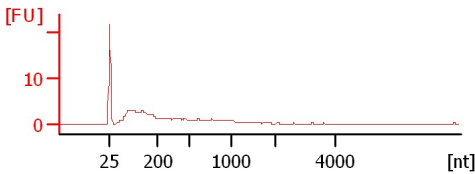
Assay Information:

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

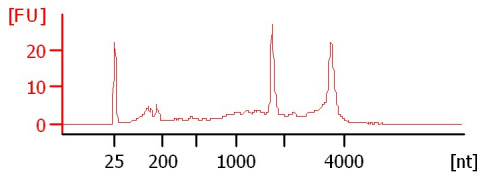
Chip Information:

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

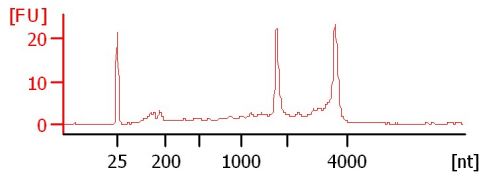
total RNA ova7
RIN: 1.50



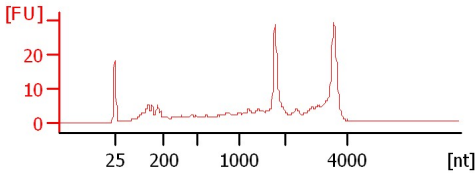
total RNA ova8
RIN: 7.50



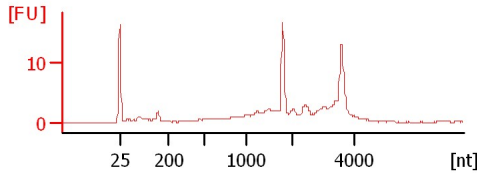
total RNA sal9
RIN: 7.70



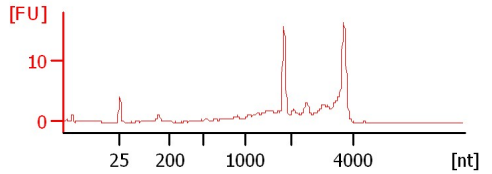
total RNA sal10
RIN: 7.50



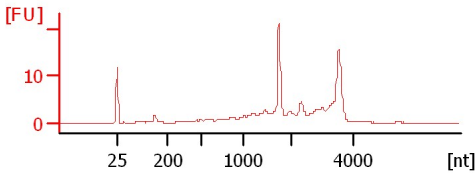
BMDM 1125 yellow
RIN: 7.40



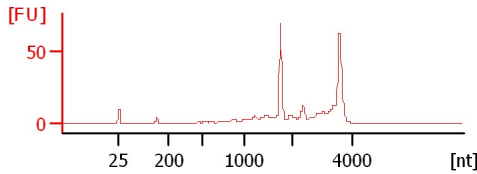
BMDM 1125 red
RIN: 7.50



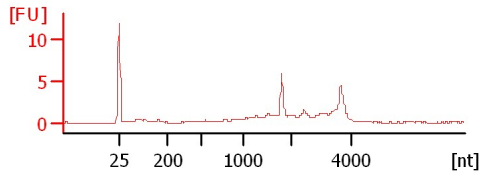
BMDM 1127 red
RIN: 7.50



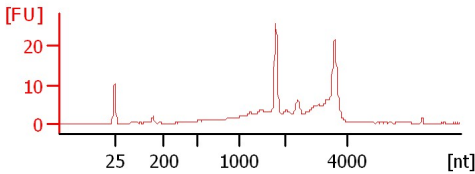
BMDM 1127 green
RIN: 8



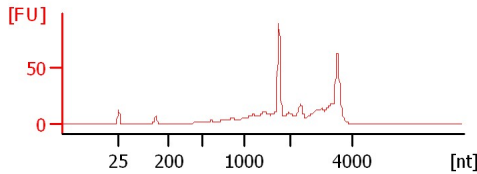
BMDM 1128 yellow
RIN: 6.90



BMDM 1128 red
RIN: 7.40



BMDM 1128 green
RIN: 7.10



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-03\2015-12-03_002.xad

Created: 12/3/2015 4:15:58 PM
 Modified: 12/3/2015 4:38:53 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
total RNA ova7		✓	RIN: 1.50	
total RNA ova8		✓	RIN: 7.50	
total RNA sal9		✓	RIN: 7.70	
total RNA sal10		✓	RIN: 7.50	
BMDM 1125 yellow		✓	RIN: 7.40	
BMDM 1125 red		✓	RIN: 7.50	
BMDM 1127 red		✓	RIN: 7.50	
BMDM 1127 green		✓	RIN:8	
BMDM 1128 yellow		✓	RIN: 6.90	
BMDM 1128 red		✓	RIN: 7.40	
BMDM 1128 green		✓	RIN: 7.10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-03\2015-12-03_002.xad

Created: 12/3/2015 4:15:58 PM
Modified: 12/3/2015 4:38:53 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 18
End Analysis Time Range [s] : 69
Ladder Concentration [pg/ μ l] : 1000
Lower Marker Concentration [pg/ μ l] : 0
Upper Marker Concentration [pg/ 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] : 18
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.3
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

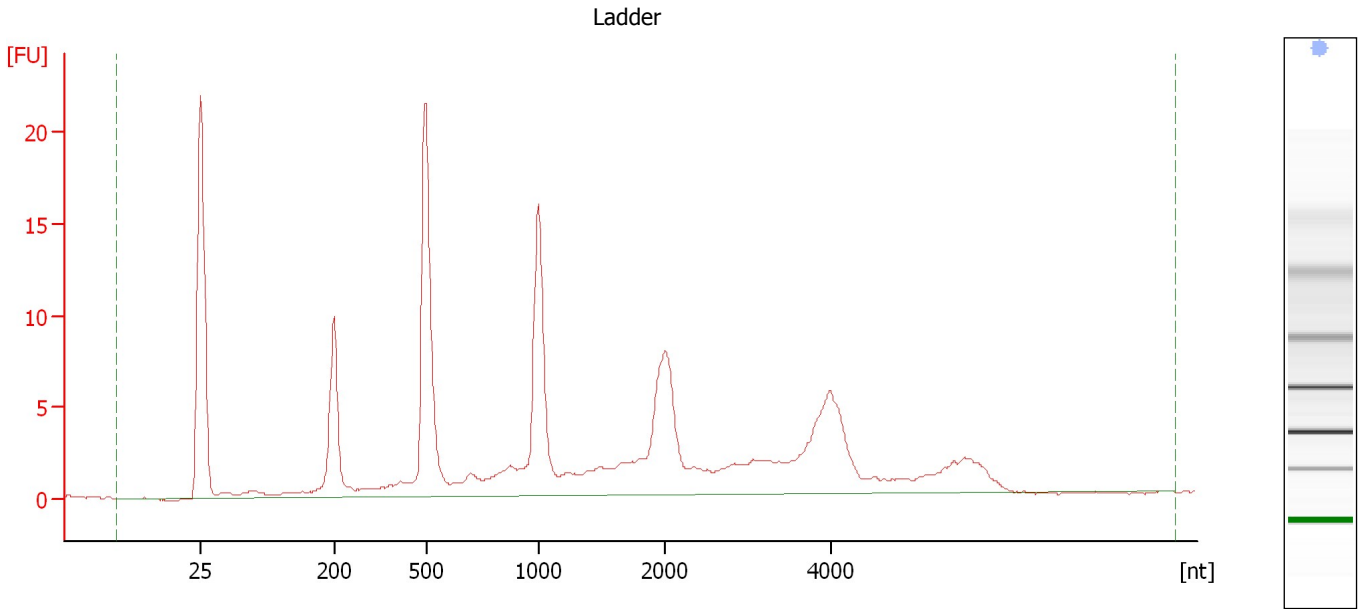
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-03\2015-12-03_002.xad

Created: 12/3/2015 4:15:58 PM
Modified: 12/3/2015 4:38:53 PM

Electropherogram Summary



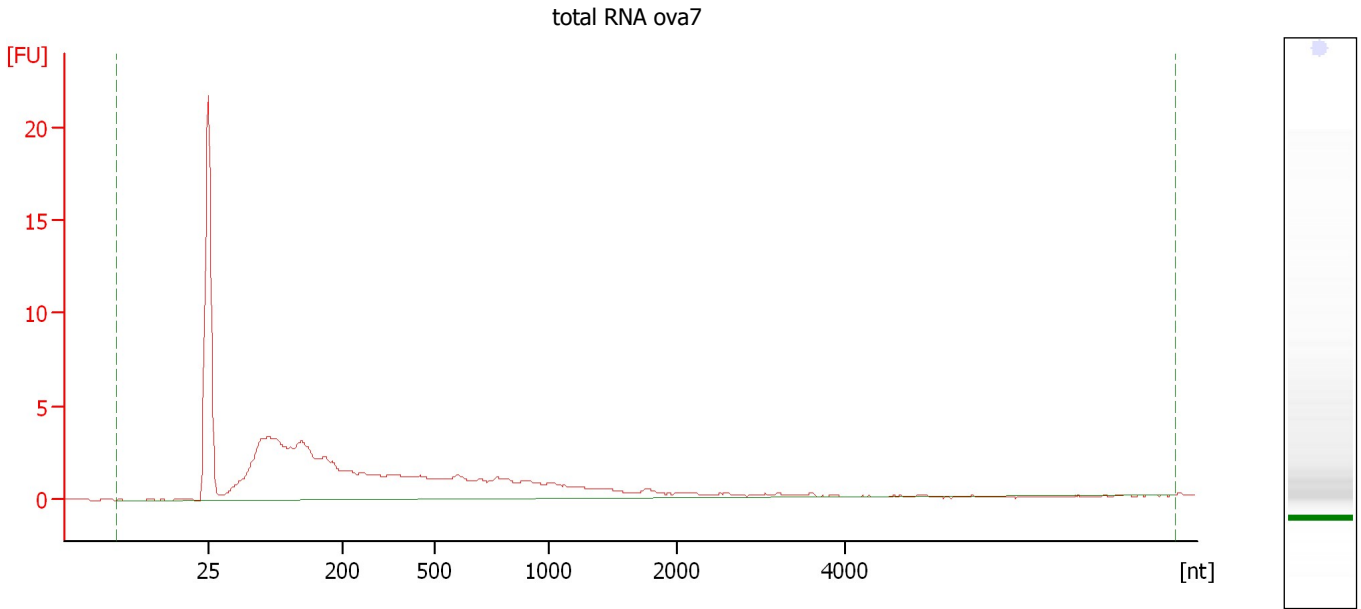
Overall Results for Ladder

RNA Area:	173.2	Result Flagging Color:	
RNA Concentration:	1,000 pg/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-03\2015-12-03_002.xad

Created: 12/3/2015 4:15:58 PM
Modified: 12/3/2015 4:38:53 PM

Electropherogram Summary Continued ...



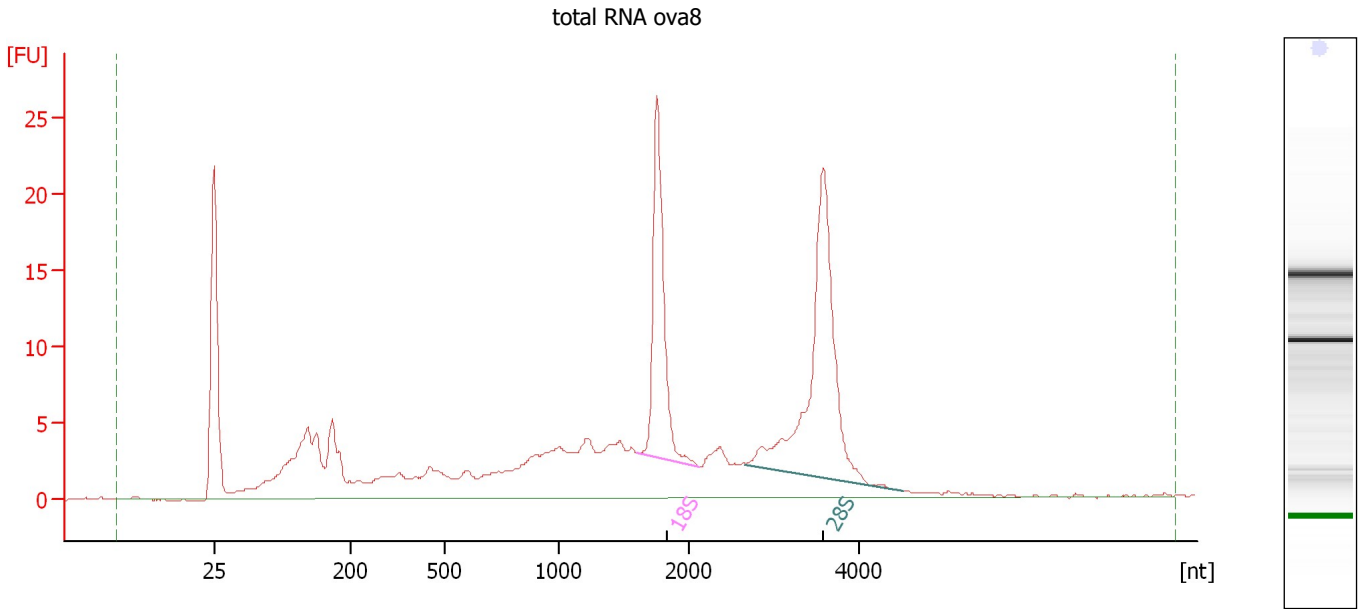
Overall Results for sample 1 : total RNA ova7

RNA Area:	85.9	RNA Integrity Number (RIN):	1.5 (B.02.08)
RNA Concentration:	496 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.50

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-03\2015-12-03_002.xad

Created: 12/3/2015 4:15:58 PM
Modified: 12/3/2015 4:38:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : total RNA ova8

RNA Area: 244.9 RNA Integrity Number (RIN): 7.5 (B.02.08)
RNA Concentration: 1,413 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN: 7.50

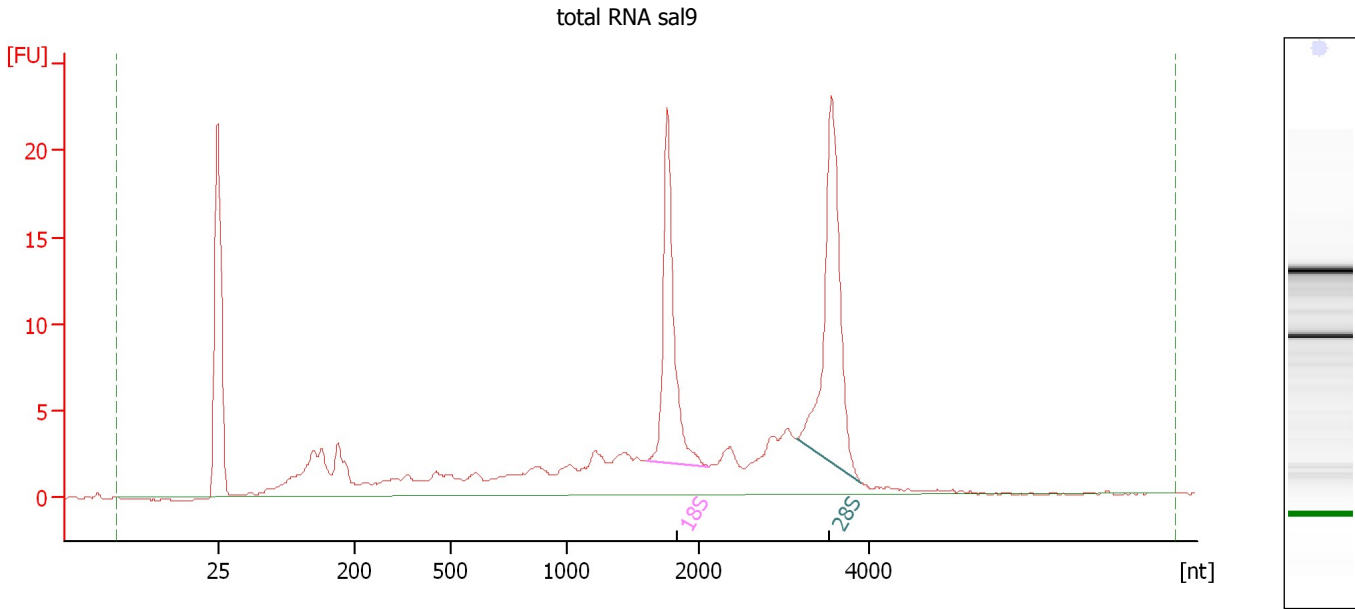
Fragment table for sample 2 : total RNA ova8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,597	2,099	29.7	12.1
28S	2,652	4,514	48.4	19.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-03\2015-12-03_002.xad

Created: 12/3/2015 4:15:58 PM
Modified: 12/3/2015 4:38:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : total RNA sal9

RNA Area: 175.5 RNA Integrity Number (RIN): 7.7 (B.02.08)
RNA Concentration: 1,013 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 7.70

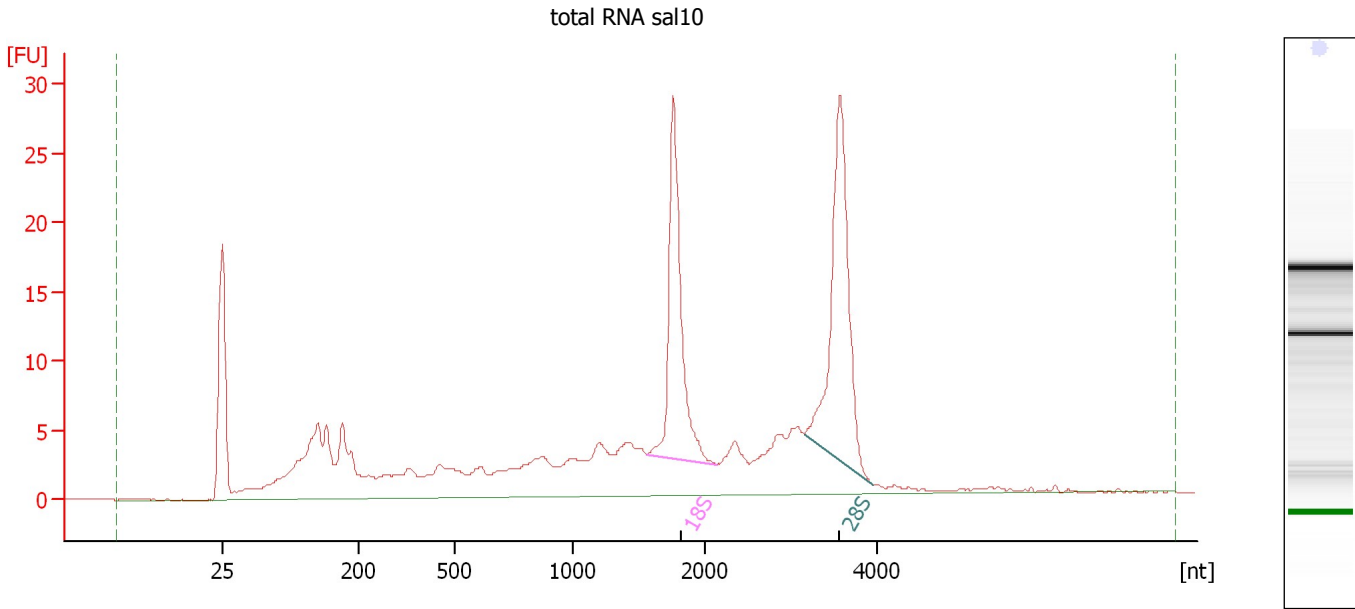
Fragment table for sample 3 : total RNA sal9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,603	2,127	25.6	14.6
28S	3,150	3,899	33.4	19.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-03\2015-12-03_002.xad

Created: 12/3/2015 4:15:58 PM
Modified: 12/3/2015 4:38:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : total RNA sal10

RNA Area: 276.7 RNA Integrity Number (RIN): 7.5 (B.02.08)
RNA Concentration: 1,597 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.2 Result Flagging Label: RIN: 7.50

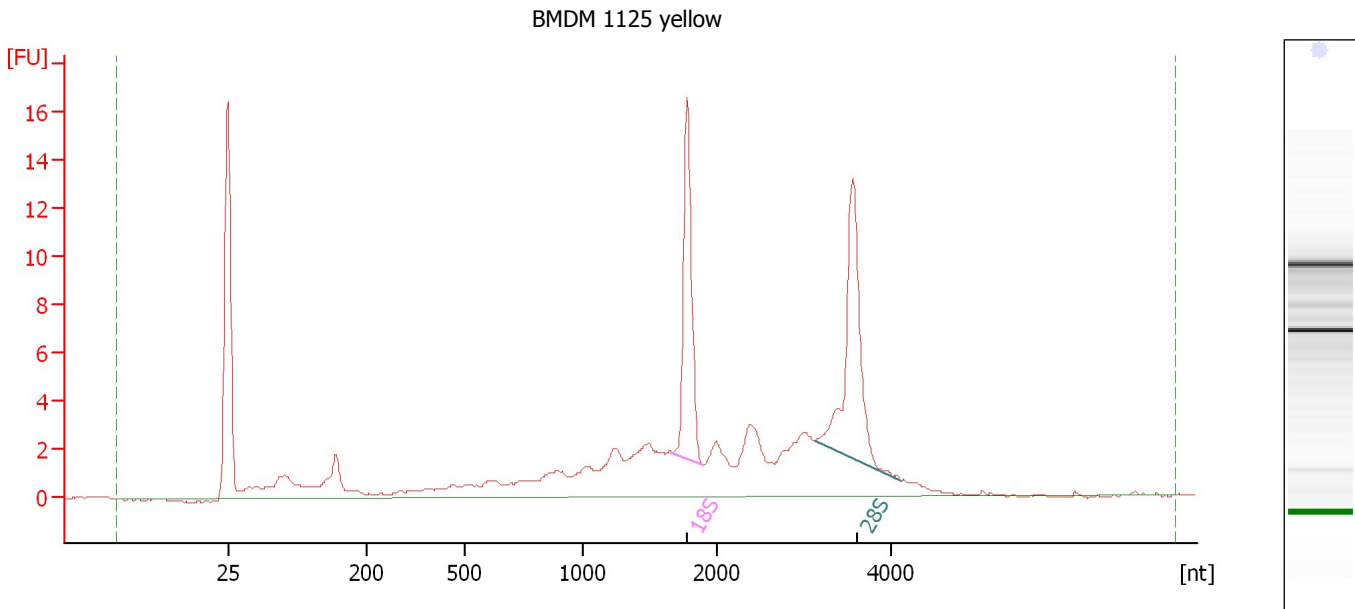
Fragment table for sample 4 : total RNA sal10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,567	2,141	36.5	13.2
28S	3,158	3,952	45.0	16.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-03\2015-12-03_002.xad

Created: 12/3/2015 4:15:58 PM
 Modified: 12/3/2015 4:38:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : BMDM 1125 yellow

RNA Area:	110.2	RNA Integrity Number (RIN):	7.4 (B.02.08)
RNA Concentration:	636 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 7.40

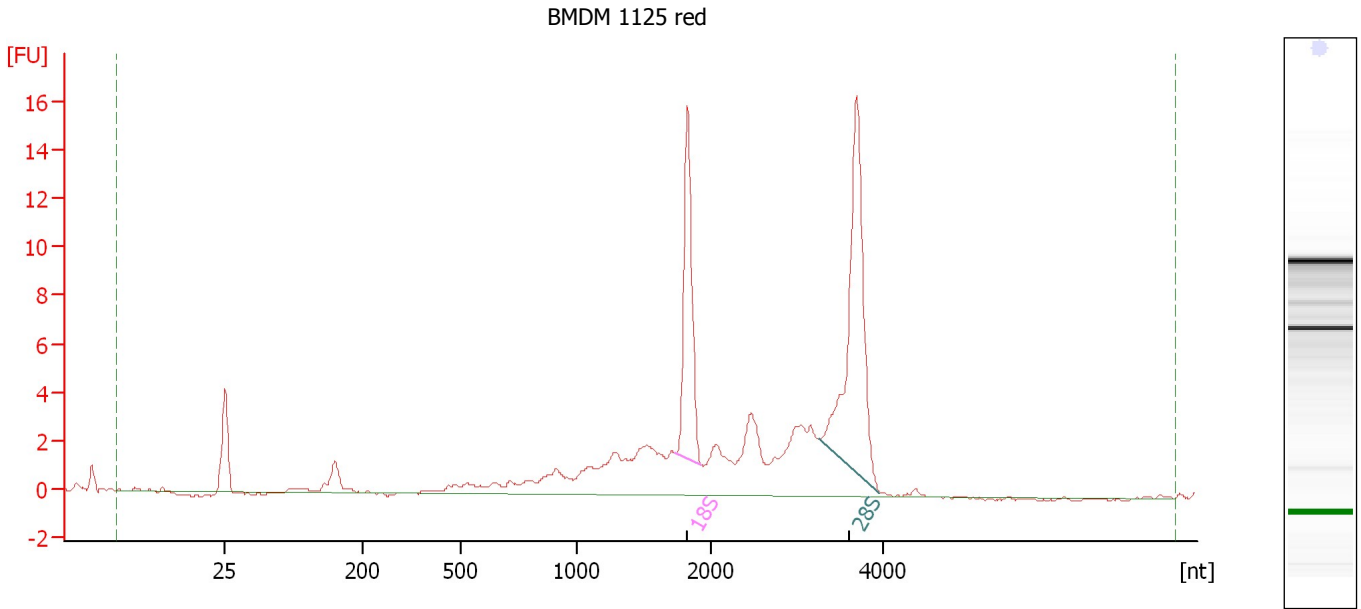
Fragment table for sample 5 : BMDM 1125 yellow

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,663	1,895	14.2	12.9
28S	3,125	4,117	16.1	14.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-03\2015-12-03_002.xad

Created: 12/3/2015 4:15:58 PM
 Modified: 12/3/2015 4:38:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : BMDM 1125 red

RNA Area:	98.3	RNA Integrity Number (RIN):	7.5 (B.02.08)
RNA Concentration:	567 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 7.50

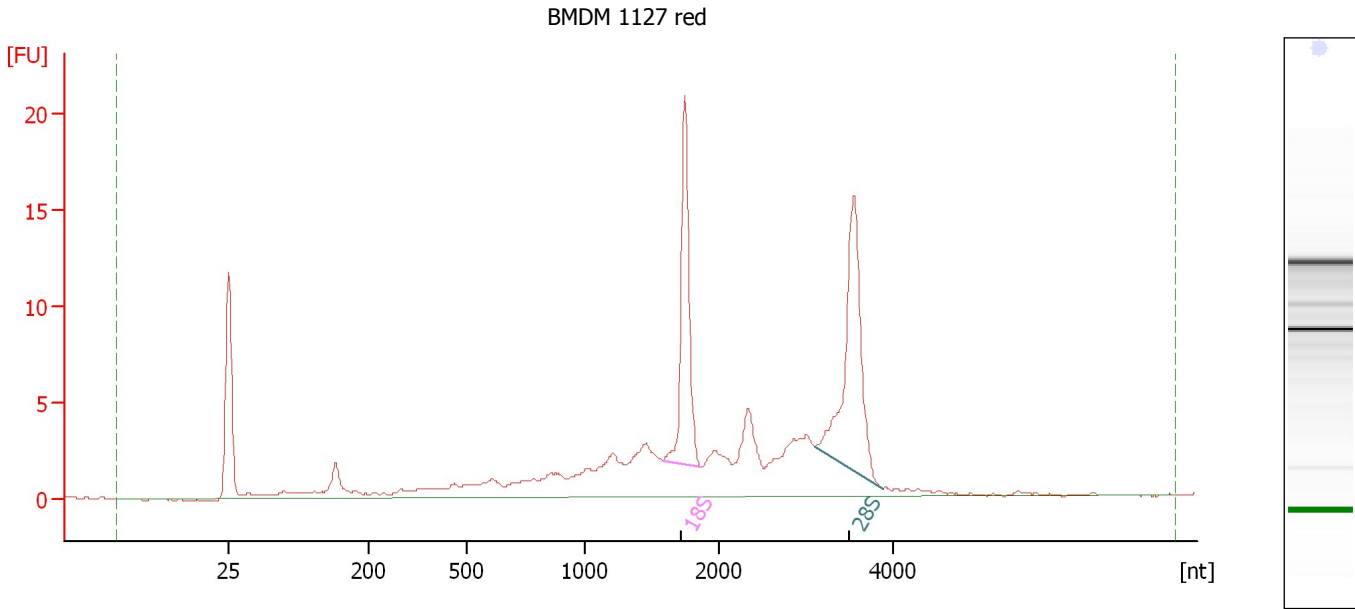
Fragment table for sample 6 : BMDM 1125 red

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,740	1,932	13.6	13.9
28S	3,252	3,955	22.6	23.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-03\2015-12-03_002.xad

Created: 12/3/2015 4:15:58 PM
Modified: 12/3/2015 4:38:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : BMDM 1127 red

RNA Area: 131.4 RNA Integrity Number (RIN): 7.5 (B.02.08)
RNA Concentration: 759 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.2 Result Flagging Label: RIN: 7.50

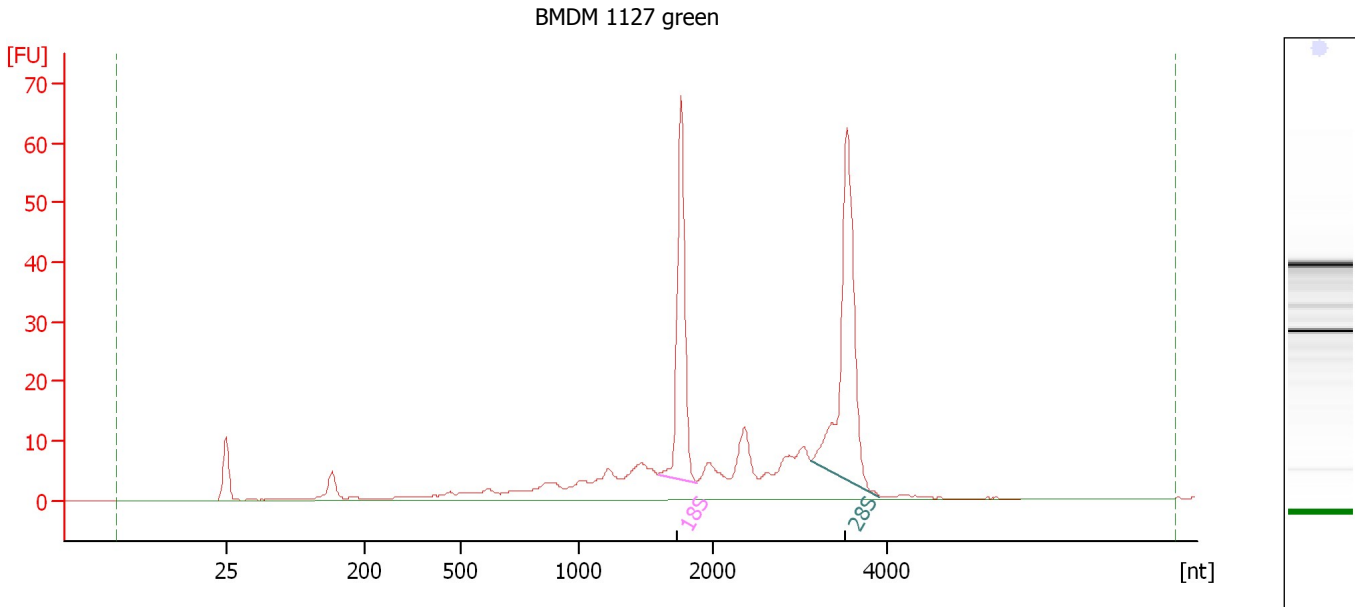
Fragment table for sample 7 : BMDM 1127 red

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,577	1,864	18.5	14.1
28S	3,099	3,869	22.5	17.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-03\2015-12-03_002.xad

Created: 12/3/2015 4:15:58 PM
 Modified: 12/3/2015 4:38:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : BMDM 1127 green

RNA Area:	314.9	RNA Integrity Number (RIN):	8 (B.02.08)
RNA Concentration:	1,818 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN:8

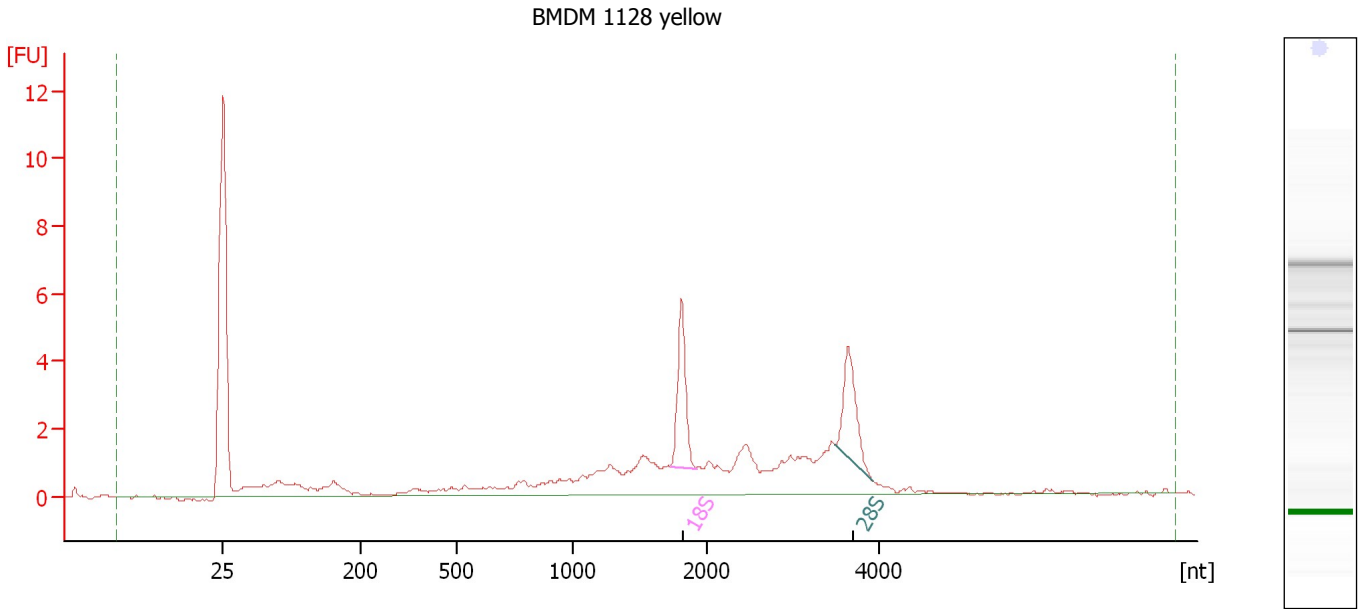
Fragment table for sample 8 : BMDM 1127 green

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,597	1,877	56.7	18.0
28S	3,128	3,927	79.1	25.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-03\2015-12-03_002.xad

Created: 12/3/2015 4:15:58 PM
Modified: 12/3/2015 4:38:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : BMDM 1128 yellow

RNA Area: 45.6 RNA Integrity Number (RIN): 6.9 (B.02.08)
RNA Concentration: 263 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.9 Result Flagging Label: RIN: 6.90

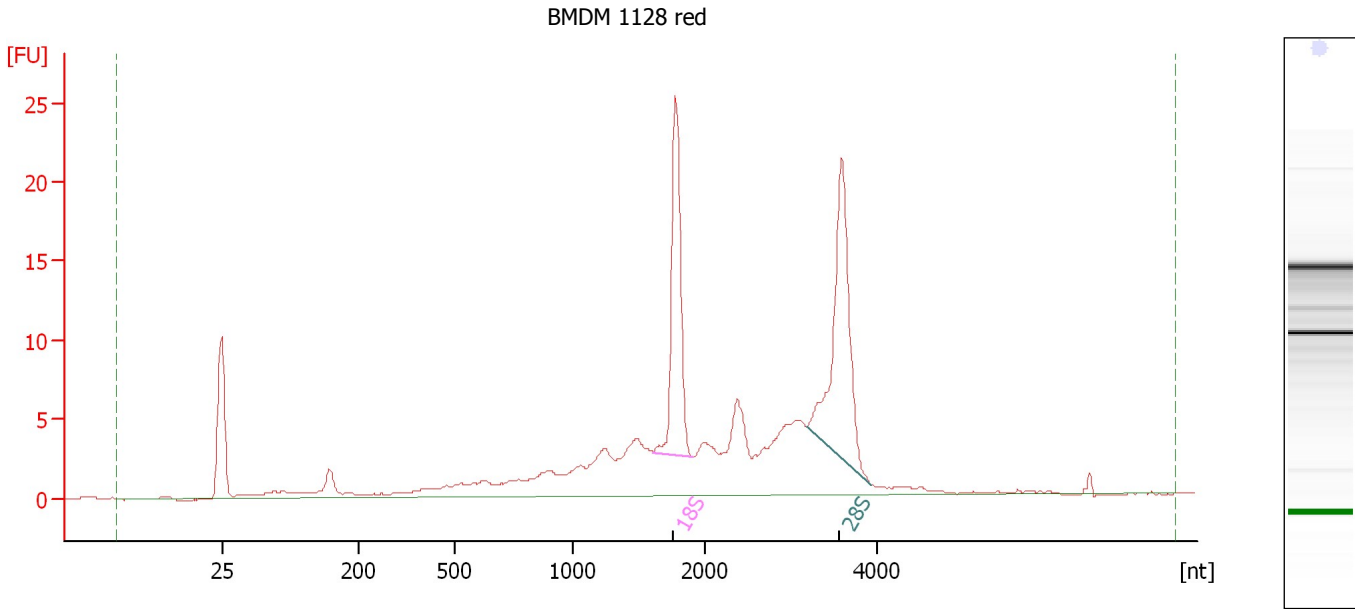
Fragment table for sample 9 : BMDM 1128 yellow

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,729	1,923	4.7	10.2
28S	3,491	3,924	4.1	9.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-03\2015-12-03_002.xad

Created: 12/3/2015 4:15:58 PM
Modified: 12/3/2015 4:38:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : BMDM 1128 red

RNA Area: 173.4 RNA Integrity Number (RIN): 7.4 (B.02.08)
RNA Concentration: 1,001 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 7.40

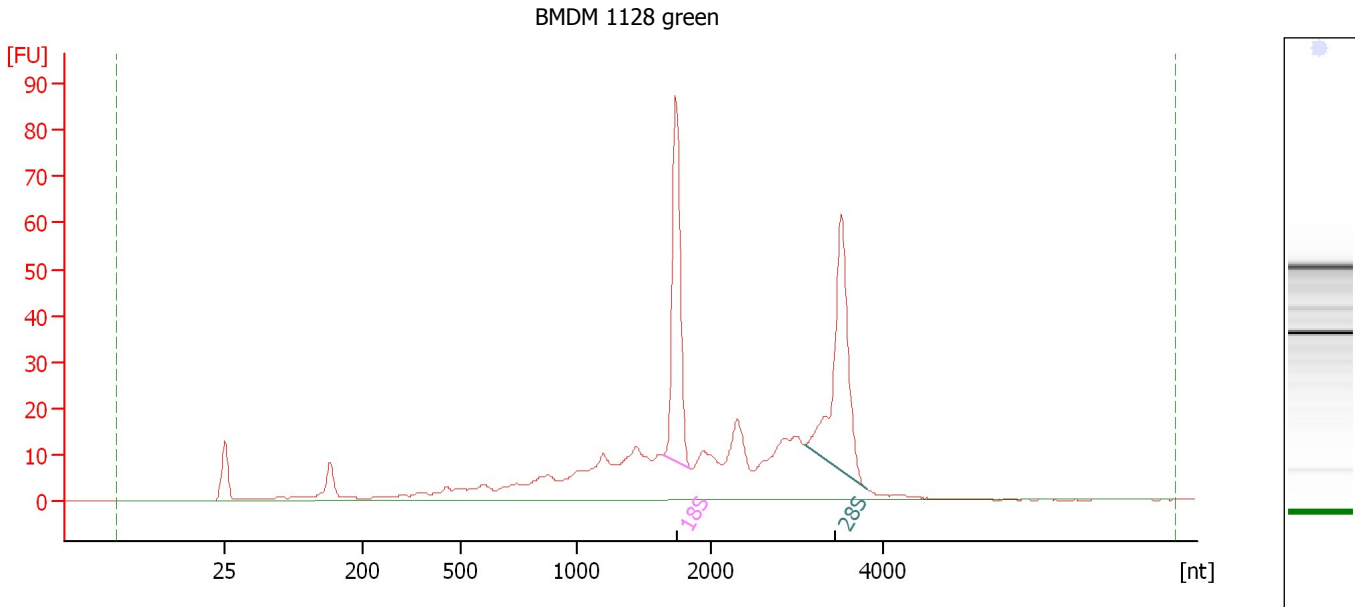
Fragment table for sample 10 : BMDM 1128 red

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,615	1,914	23.4	13.5
28S	3,195	3,927	30.1	17.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-03\2015-12-03_002.xad

Created: 12/3/2015 4:15:58 PM
 Modified: 12/3/2015 4:38:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : BMDM 1128 green

RNA Area:	504.4	RNA Integrity Number (RIN):	7.1 (B.02.08)
RNA Concentration:	2,912 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 7.10

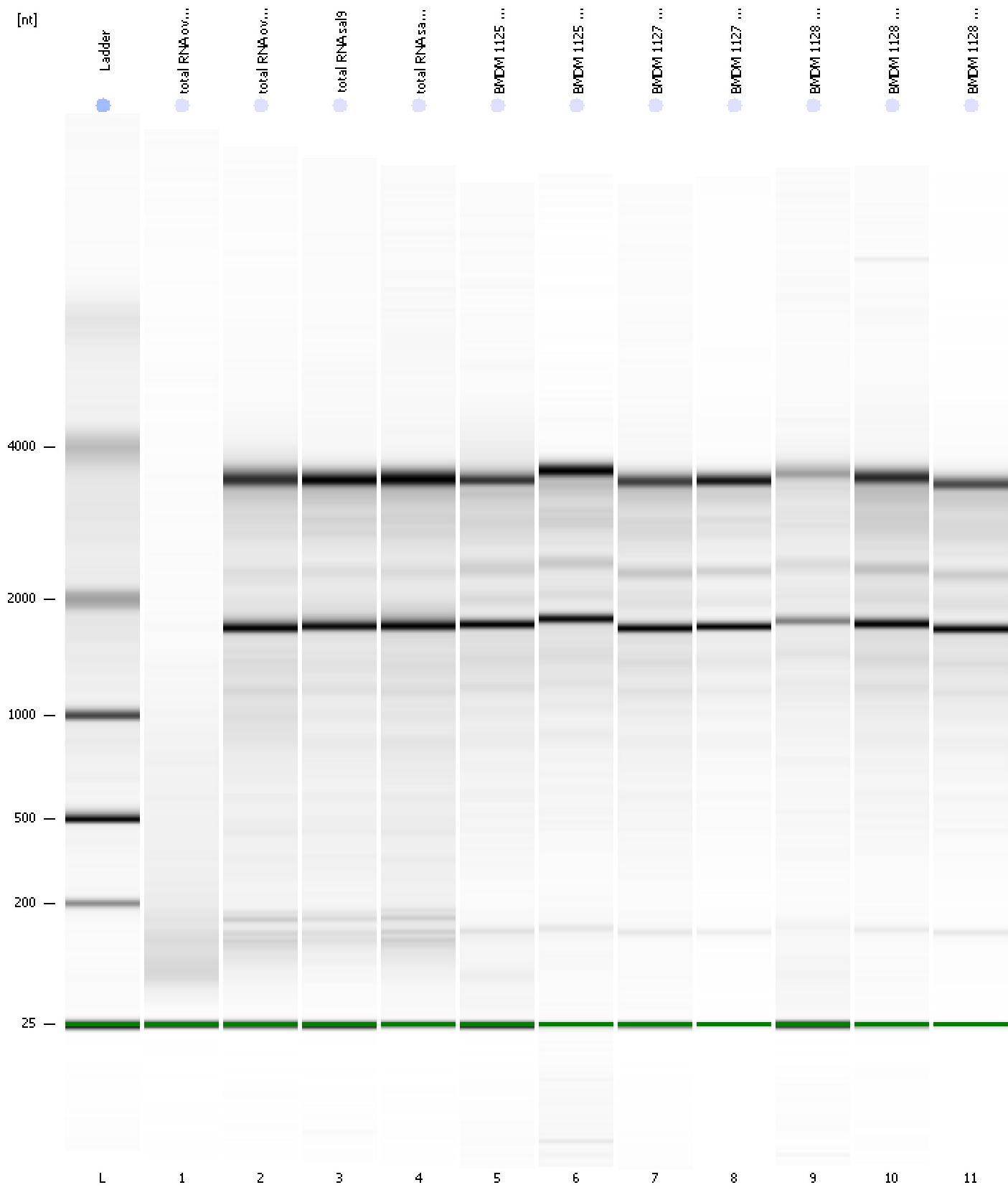
Fragment table for sample 11 : BMDM 1128 green

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,643	1,852	72.2	14.3
28S	3,080	3,807	82.8	16.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-03\2015-12-03_002.xad

Created: 12/3/2015 4:15:58 PM
Modified: 12/3/2015 4:38:53 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-03\2015-12-03_002.xad

Created: 12/3/2015 4:15:58 PM
 Modified: 12/3/2015 4:38:53 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		12/3/2015 4:38:52 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-12-03\2015-12-03_002.xad)		Instrument	Run		12/3/2015 4:16:04 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		12/3/2015 4:16:04 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		12/3/2015 4:16:04 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		12/3/2015 4:16:04 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		12/3/2015 4:16:04 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		12/3/2015 4:16:04 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		12/3/2015 4:16:04 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1