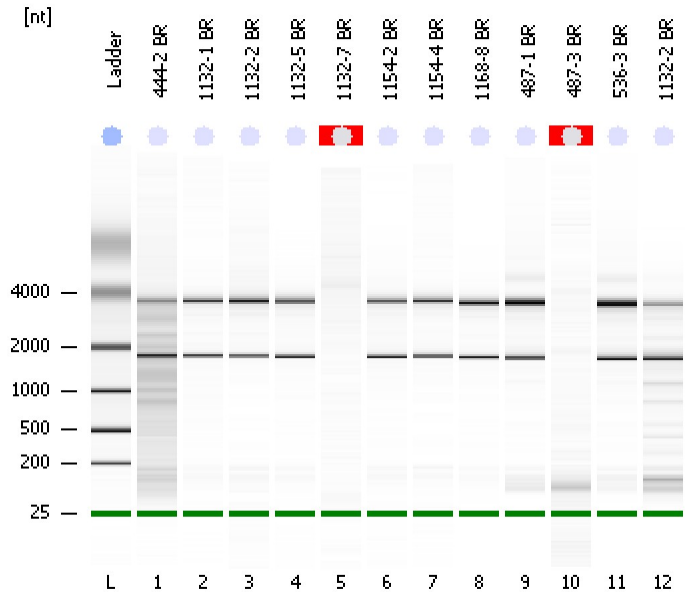


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-24\2017-07-24_003.xad

Created: 7/24/2017 1:47:44 PM
Modified: 7/24/2017 2:17:26 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

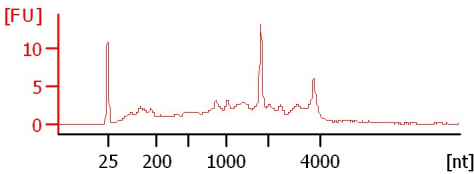
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

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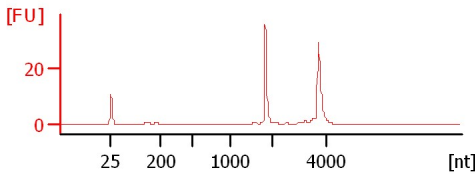
Chip Information:

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

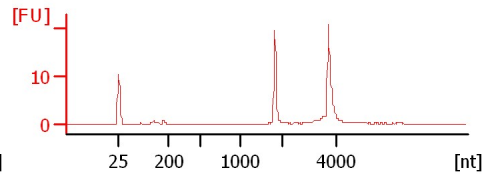
444-2 BR
RIN: 5.70



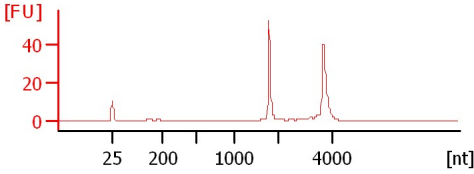
1132-1 BR
RIN: 9.60



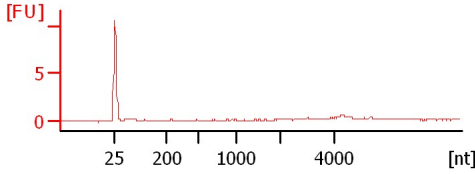
1132-2 BR
RIN:10



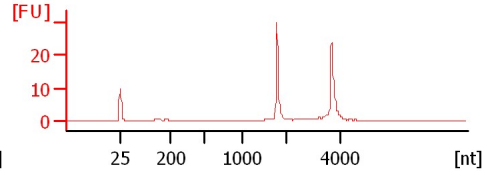
1132-5 BR
RIN: 9.70



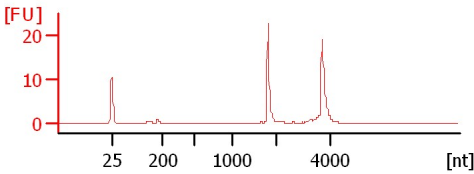
1132-7 BR
RIN N/A



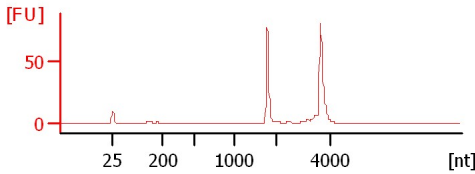
1154-2 BR
RIN: 9.60



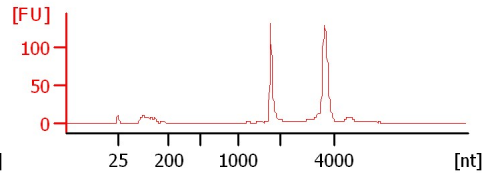
1154-4 BR
RIN:10



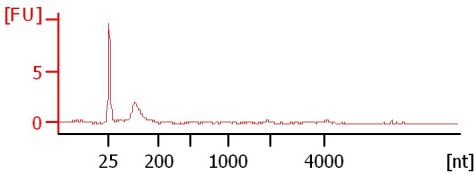
1168-8 BR
RIN: 9.70



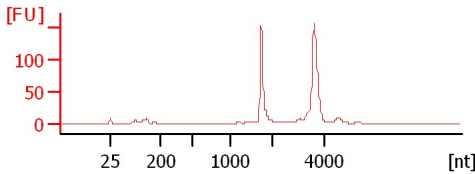
487-1 BR
RIN: 9.70



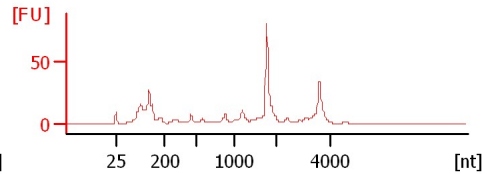
487-3 BR
RIN N/A



536-3 BR
RIN: 9.60



1132-2 BR
RIN: 7.30



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-24\2017-07-24_003.xad

Created: 7/24/2017 1:47:44 PM
 Modified: 7/24/2017 2:17:26 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
444-2 BR		✓	RIN: 5.70	
1132-1 BR		✓	RIN: 9.60	
1132-2 BR		✓	RIN:10	
1132-5 BR		✓	RIN: 9.70	
1132-7 BR		✓	RIN N/A	
1154-2 BR		✓	RIN: 9.60	
1154-4 BR		✓	RIN:10	
1168-8 BR		✓	RIN: 9.70	
487-1 BR		✓	RIN: 9.70	
487-3 BR		✓	RIN N/A	
536-3 BR		✓	RIN: 9.60	
1132-2 BR		✓	RIN: 7.30	
Ladder		✓	All Other Samples	

Chip Lot #

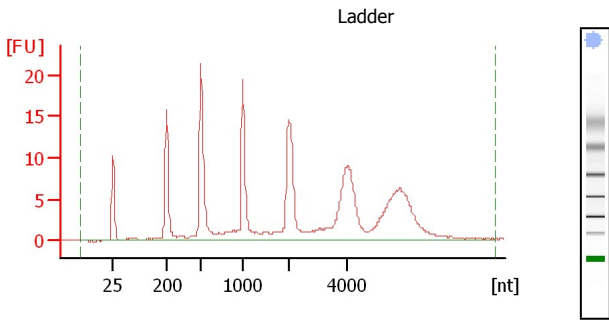
Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-24\2017-07-24_003.xad

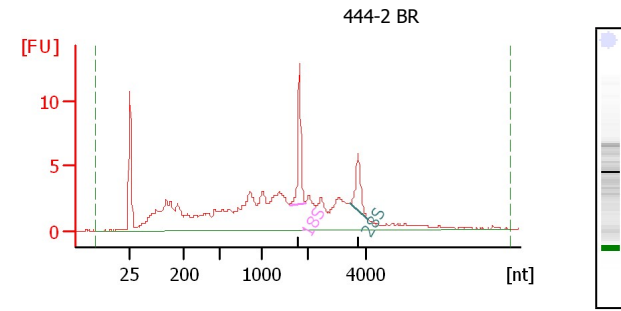
Created: 7/24/2017 1:47:44 PM
 Modified: 7/24/2017 2:17:26 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 222.5
 RNA Concentration: 150 ng/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

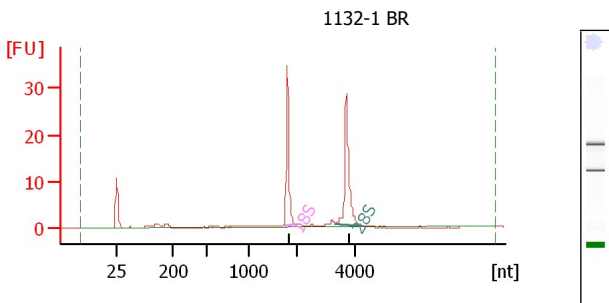


Overall Results for sample 1 : 444-2 BR

RNA Area: 151.3
 RNA Concentration: 102 ng/μl
 rRNA Ratio [28s / 18s]: 0.6
 RNA Integrity Number (RIN): 5.7 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 5.70

Fragment table for sample 1 : 444-2 BR

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,608	1,950	10.5	6.9
28S	3,426	4,057	6.0	4.0

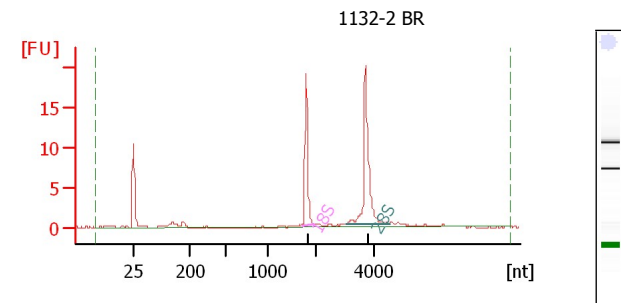


Overall Results for sample 2 : 1132-1 BR

RNA Area: 80.7
 RNA Concentration: 54 ng/μl
 rRNA Ratio [28s / 18s]: 1.1
 RNA Integrity Number (RIN): 9.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.60

Fragment table for sample 2 : 1132-1 BR

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,758	1,990	26.9	33.4
28S	3,335	4,287	30.2	37.4



Overall Results for sample 3 : 1132-2 BR

RNA Area: 55.4
 RNA Concentration: 37 ng/μl
 rRNA Ratio [28s / 18s]: 1.7
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 10

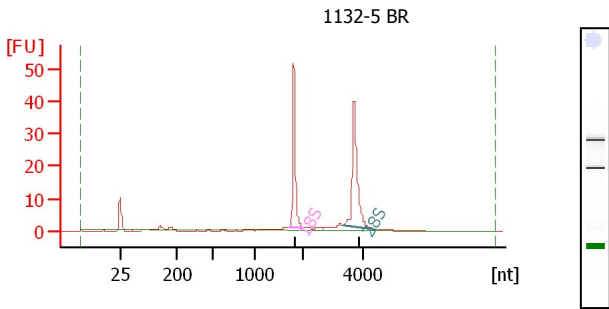
Fragment table for sample 3 : 1132-2 BR

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,712	1,985	14.5	26.2
28S	3,047	4,482	24.1	43.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-24\2017-07-24_003.xad

Created: 7/24/2017 1:47:44 PM
 Modified: 7/24/2017 2:17:26 PM

Electropherogram Summary Continued ...

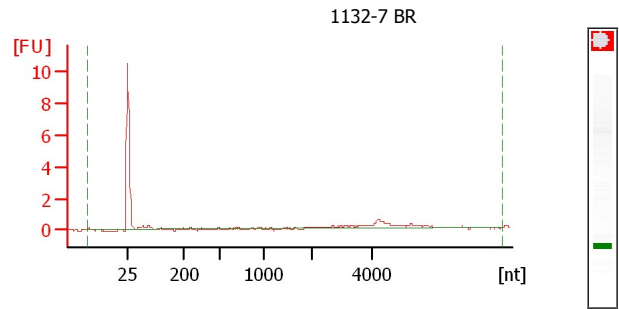


Overall Results for sample 4 : 1132-5 BR

RNA Area: 127.4
 RNA Concentration: 86 ng/μl
 rRNA Ratio [28s / 18s]: 1.2
 RNA Integrity Number (RIN): 9.7 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.70

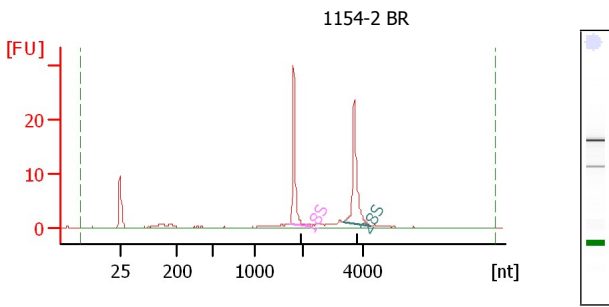
Fragment table for sample 4 : 1132-5 BR

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,700	1,980	40.7	32.0
28S	3,295	4,355	50.0	39.3



Overall Results for sample 5 : 1132-7 BR

RNA Area: 7.8
 RNA Concentration: 5 ng/μl
 rRNA Ratio [28s / 18s]: 0.0
 RNA Integrity Number (RIN): N/A (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN N/A

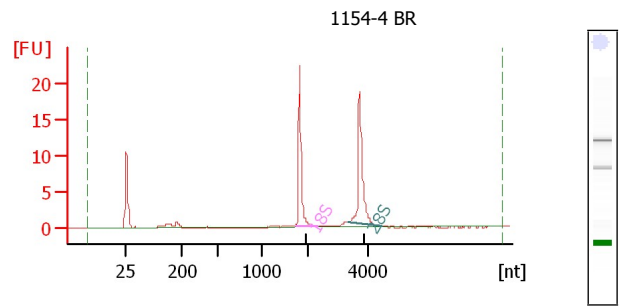


Overall Results for sample 6 : 1154-2 BR

RNA Area: 77.9
 RNA Concentration: 53 ng/μl
 rRNA Ratio [28s / 18s]: 1.0
 RNA Integrity Number (RIN): 9.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.60

Fragment table for sample 6 : 1154-2 BR

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,744	2,276	23.6	30.3
28S	3,337	4,258	24.1	30.9



Overall Results for sample 7 : 1154-4 BR

RNA Area: 50.0
 RNA Concentration: 34 ng/μl
 rRNA Ratio [28s / 18s]: 1.1
 RNA Integrity Number (RIN): 10 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN:10

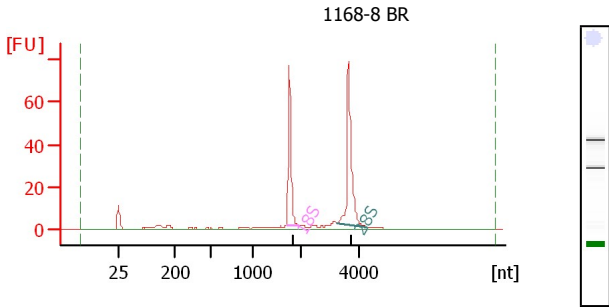
Fragment table for sample 7 : 1154-4 BR

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,750	2,330	18.2	36.4
28S	3,339	4,460	20.3	40.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-24\2017-07-24_003.xad

Created: 7/24/2017 1:47:44 PM
 Modified: 7/24/2017 2:17:26 PM

Electropherogram Summary Continued ...

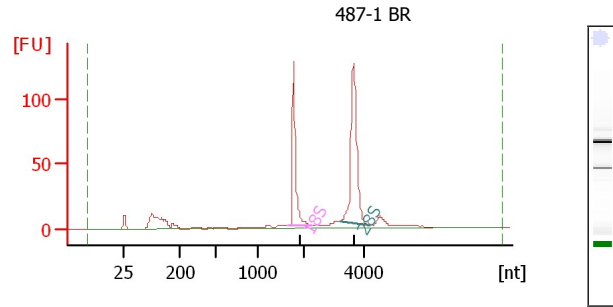


Overall Results for sample 8 : 1168-8 BR

RNA Area: 228.5
 RNA Concentration: 154 ng/µl
 rRNA Ratio [28s / 18s]: 1.5
 RNA Integrity Number (RIN): 9.7 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.70

Fragment table for sample 8 : 1168-8 BR

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,712	1,968	60.7	26.6
28S	3,229	4,271	90.8	39.7

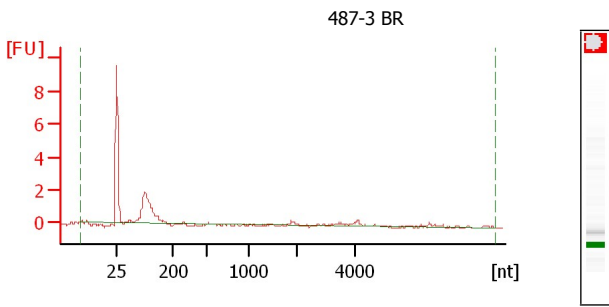


Overall Results for sample 9 : 487-1 BR

RNA Area: 536.0
 RNA Concentration: 361 ng/µl
 rRNA Ratio [28s / 18s]: 1.6
 RNA Integrity Number (RIN): 9.7 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.70

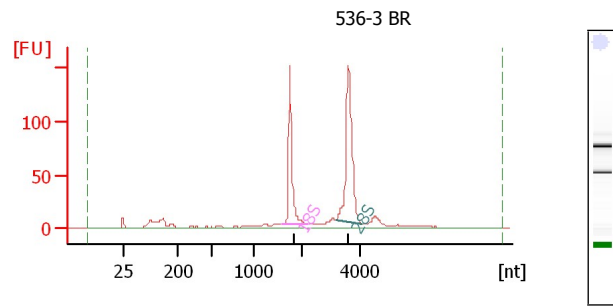
Fragment table for sample 9 : 487-1 BR

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,663	2,213	124.7	23.3
28S	3,205	4,167	198.0	36.9



Overall Results for sample 10 : 487-3 BR

RNA Area: 11.3
 RNA Concentration: 8 ng/µl
 rRNA Ratio [28s / 18s]: 0.0
 RNA Integrity Number (RIN): N/A (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN N/A



Overall Results for sample 11 : 536-3 BR

RNA Area: 684.8
 RNA Concentration: 462 ng/µl
 rRNA Ratio [28s / 18s]: 1.6
 RNA Integrity Number (RIN): 9.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.60

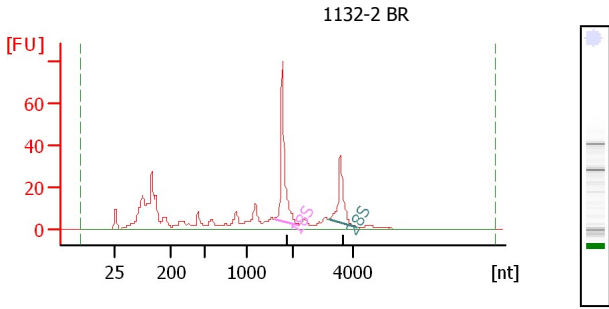
Fragment table for sample 11 : 536-3 BR

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,585	2,209	157.3	23.0
28S	3,152	4,080	246.9	36.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-24\2017-07-24_003.xad

Created: 7/24/2017 1:47:44 PM
Modified: 7/24/2017 2:17:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : 1132-2 BR

RNA Area: 485.7
RNA Concentration: 327 ng/ul
rRNA Ratio [28s / 18s]: 0.5
RNA Integrity Number (RIN): 7.3 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 7.30

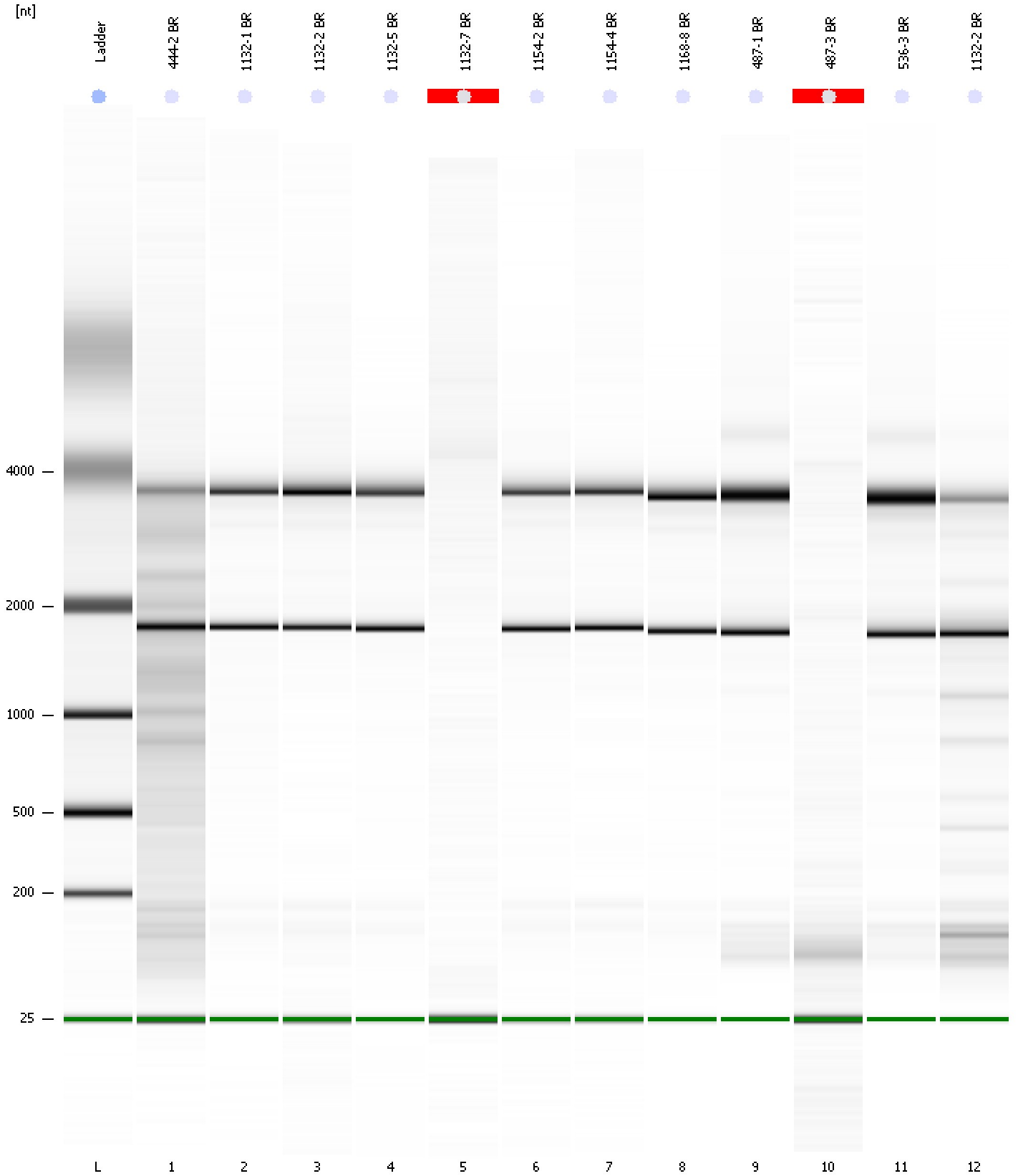
Fragment table for sample 12 : 1132-2 BR

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,583	2,180	85.4	17.6
28S	3,196	4,126	45.1	9.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-24\2017-07-24_003.xad

Created: 7/24/2017 1:47:44 PM
Modified: 7/24/2017 2:17:26 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-24\2017-07-24_003.xad

Created: 7/24/2017 1:47:44 PM
Modified: 7/24/2017 2:17:26 PM

Curves

Standard Curve

