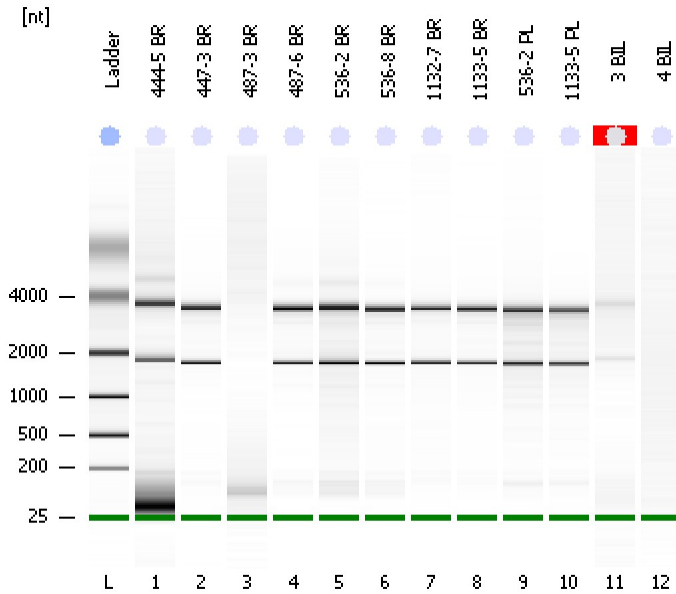


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-04\2017-08-04_001.xad

Created: 8/4/2017 3:40:53 PM
Modified: 8/4/2017 4:09:00 PM

Electrophoresis File Run Summary



Instrument Information:

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

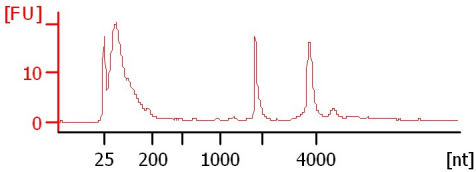
Assay Information:

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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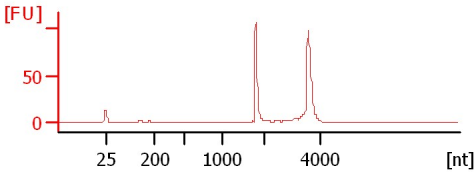
Chip Information:

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

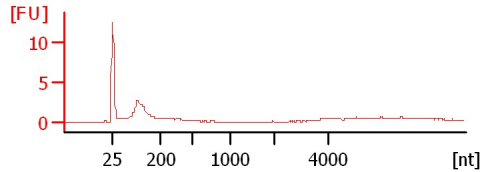
444-5 BR
RIN: 7.70



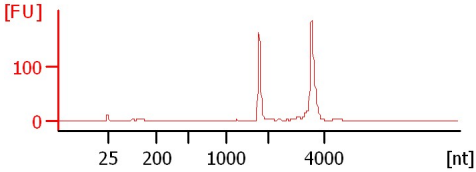
447-3 BR
RIN: 9.80



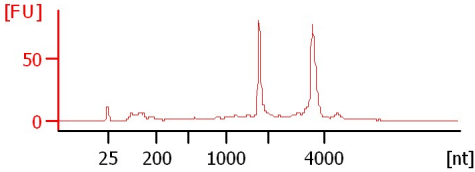
487-3 BR
RIN: 2.10



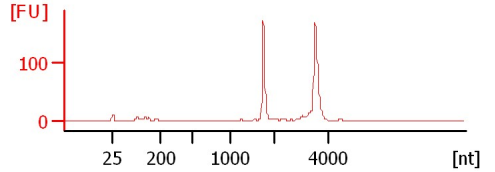
487-6 BR
RIN: 10



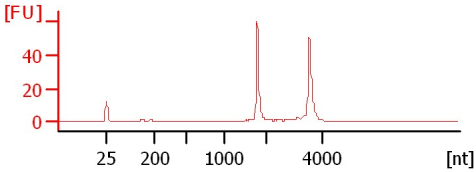
536-2 BR
RIN: 8.50



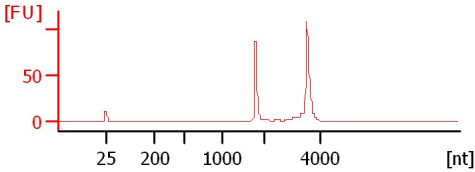
536-8 BR
RIN: 9.50



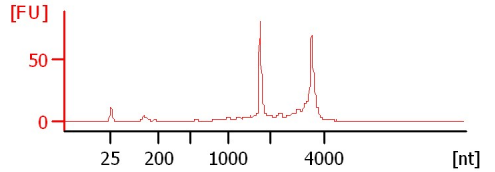
1132-7 BR
RIN: 9.50



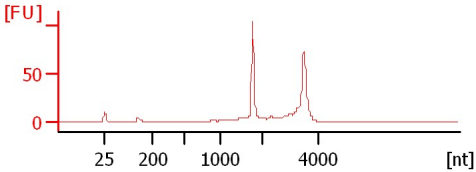
1133-5 BR
RIN: 9.90



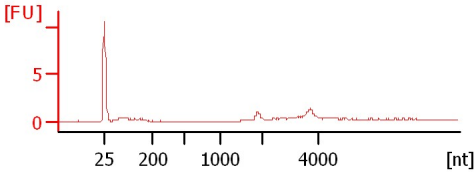
536-2 PL
RIN: 8.50



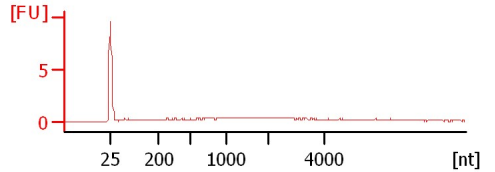
1133-5 PL
RIN: 8.80



3 BIL
RIN N/A



4 BIL
RIN: 1



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-04\2017-08-04_001.xad

Created: 8/4/2017 3:40:53 PM
 Modified: 8/4/2017 4:09:00 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
444-5 BR		✓	RIN: 7.70	
447-3 BR		✓	RIN: 9.80	
487-3 BR		✓	RIN: 2.10	
487-6 BR		✓	RIN:10	
536-2 BR		✓	RIN: 8.50	
536-8 BR		✓	RIN: 9.50	
1132-7 BR		✓	RIN: 9.50	
1133-5 BR		✓	RIN: 9.90	
536-2 PL		✓	RIN: 8.50	
1133-5 PL		✓	RIN: 8.80	
3 BIL		✓	RIN N/A	
4 BIL		✓	RIN:1	
Ladder		✓	All Other Samples	

Chip Lot #

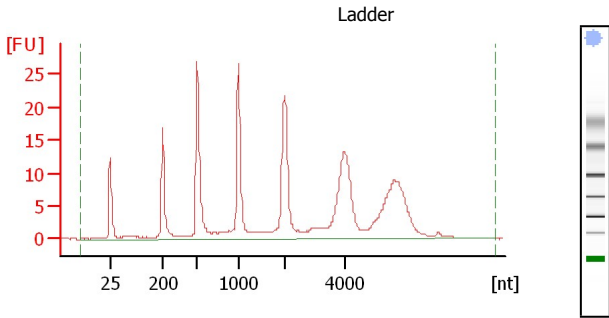
Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-04\2017-08-04_001.xad

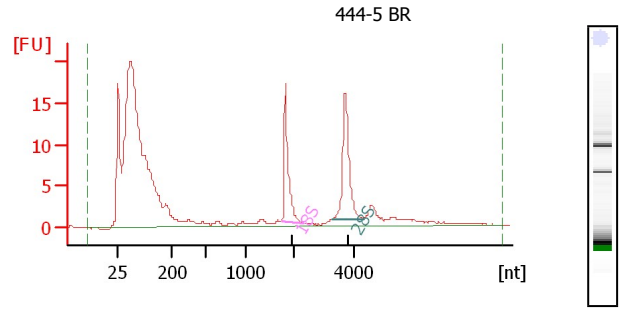
Created: 8/4/2017 3:40:53 PM
 Modified: 8/4/2017 4:09:00 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 295.5
 RNA Concentration: 150 ng/µl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

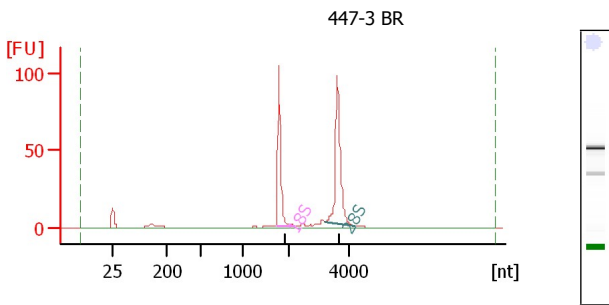


Overall Results for sample 1 : 444-5 BR

RNA Area: 296.3
 RNA Concentration: 150 ng/µl
 rRNA Ratio [28s / 18s]: 1.3
 RNA Integrity Number (RIN): 7.7 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.70

Fragment table for sample 1 : 444-5 BR

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,732	2,381	20.5	6.9
28S	3,306	4,330	27.4	9.3

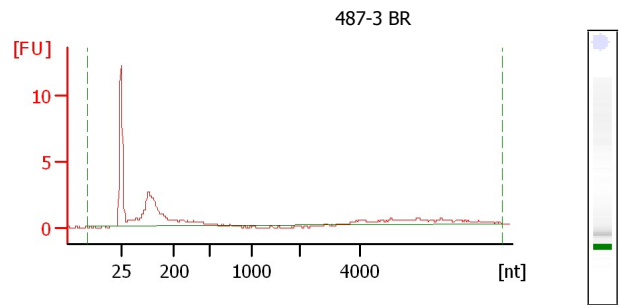


Overall Results for sample 2 : 447-3 BR

RNA Area: 315.8
 RNA Concentration: 160 ng/µl
 rRNA Ratio [28s / 18s]: 1.4
 RNA Integrity Number (RIN): 9.8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.80

Fragment table for sample 2 : 447-3 BR

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,720	2,202	90.2	28.5
28S	3,203	4,149	130.5	41.3



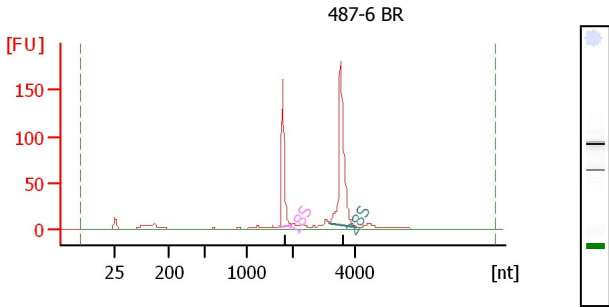
Overall Results for sample 3 : 487-3 BR

RNA Area: 30.8
 RNA Concentration: 16 ng/µl
 rRNA Ratio [28s / 18s]: 0.0
 RNA Integrity Number (RIN): 2.1 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 2.10

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-04\2017-08-04_001.xad

Created: 8/4/2017 3:40:53 PM
 Modified: 8/4/2017 4:09:00 PM

Electropherogram Summary Continued ...

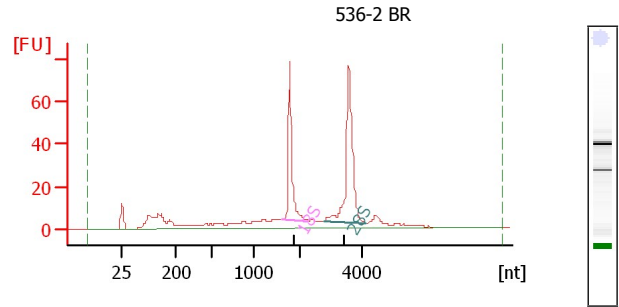


Overall Results for sample 4 : 487-6 BR

RNA Area: 565.8
 RNA Concentration: 287 ng/µl
 rRNA Ratio [28s / 18s]: 1.8
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:10

Fragment table for sample 4 : 487-6 BR

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,710	1,947	137.7	24.3
28S	3,184	4,091	241.2	42.6

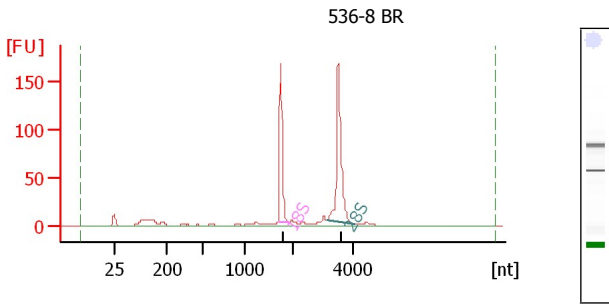


Overall Results for sample 5 : 536-2 BR

RNA Area: 468.3
 RNA Concentration: 238 ng/µl
 rRNA Ratio [28s / 18s]: 1.6
 RNA Integrity Number (RIN): 8.5 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.50

Fragment table for sample 5 : 536-2 BR

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,595	2,248	80.7	17.2
28S	2,757	4,119	128.8	27.5

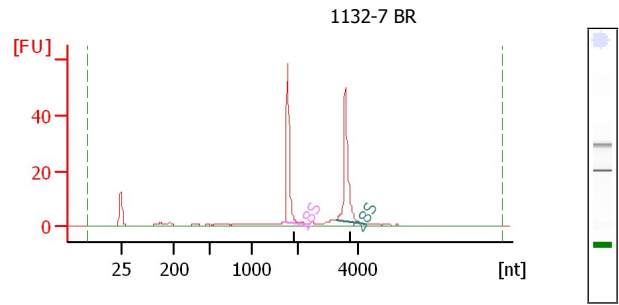


Overall Results for sample 6 : 536-8 BR

RNA Area: 578.8
 RNA Concentration: 294 ng/µl
 rRNA Ratio [28s / 18s]: 1.5
 RNA Integrity Number (RIN): 9.5 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.50

Fragment table for sample 6 : 536-8 BR

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,707	1,928	136.8	23.6
28S	3,172	4,098	211.4	36.5



Overall Results for sample 7 : 1132-7 BR

RNA Area: 163.8
 RNA Concentration: 83 ng/µl
 rRNA Ratio [28s / 18s]: 1.1
 RNA Integrity Number (RIN): 9.5 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.50

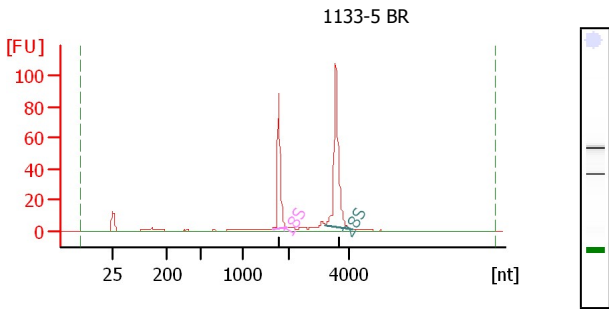
Fragment table for sample 7 : 1132-7 BR

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,714	2,246	49.3	30.1
28S	3,229	4,225	55.1	33.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-04\2017-08-04_001.xad

Created: 8/4/2017 3:40:53 PM
 Modified: 8/4/2017 4:09:00 PM

Electropherogram Summary Continued ...

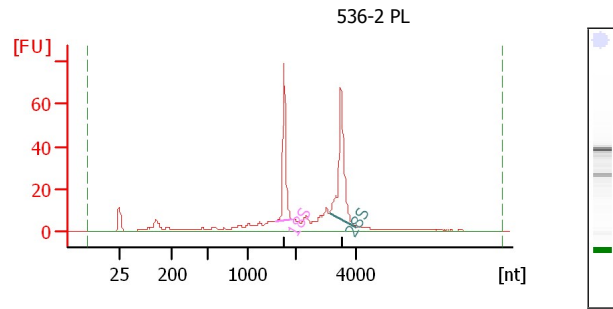


Overall Results for sample 8 : 1133-5 BR

RNA Area: 294.8
 RNA Concentration: 150 ng/μl
 rRNA Ratio [28s / 18s]: 1.6
 RNA Integrity Number (RIN): 9.9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.90

Fragment table for sample 8 : 1133-5 BR

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,640	1,960	75.0	25.4
28S	3,176	4,093	121.9	41.3

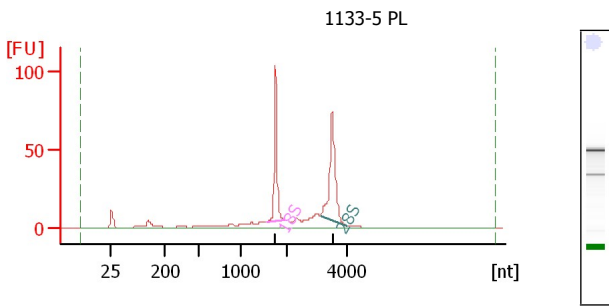


Overall Results for sample 9 : 536-2 PL

RNA Area: 377.6
 RNA Concentration: 192 ng/μl
 rRNA Ratio [28s / 18s]: 1.3
 RNA Integrity Number (RIN): 8.5 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.50

Fragment table for sample 9 : 536-2 PL

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,567	1,924	70.5	18.7
28S	3,107	4,027	89.8	23.8

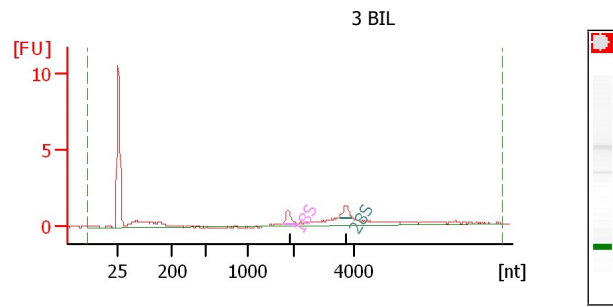


Overall Results for sample 10 : 1133-5 PL

RNA Area: 401.2
 RNA Concentration: 204 ng/μl
 rRNA Ratio [28s / 18s]: 1.3
 RNA Integrity Number (RIN): 8.8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.80

Fragment table for sample 10 : 1133-5 PL

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,581	1,931	85.1	21.2
28S	3,095	3,991	107.5	26.8



Overall Results for sample 11 : 3 BIL

RNA Area: 17.1
 RNA Concentration: 9 ng/μl
 rRNA Ratio [28s / 18s]: 1.0
 RNA Integrity Number (RIN): N/A (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN N/A

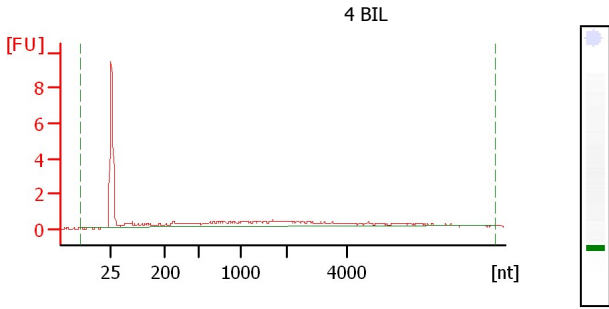
Fragment table for sample 11 : 3 BIL

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,778	2,144	1.3	7.7
28S	3,501	3,949	1.3	7.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-04\2017-08-04_001.xad

Created: 8/4/2017 3:40:53 PM
Modified: 8/4/2017 4:09:00 PM

Electropherogram Summary Continued ...



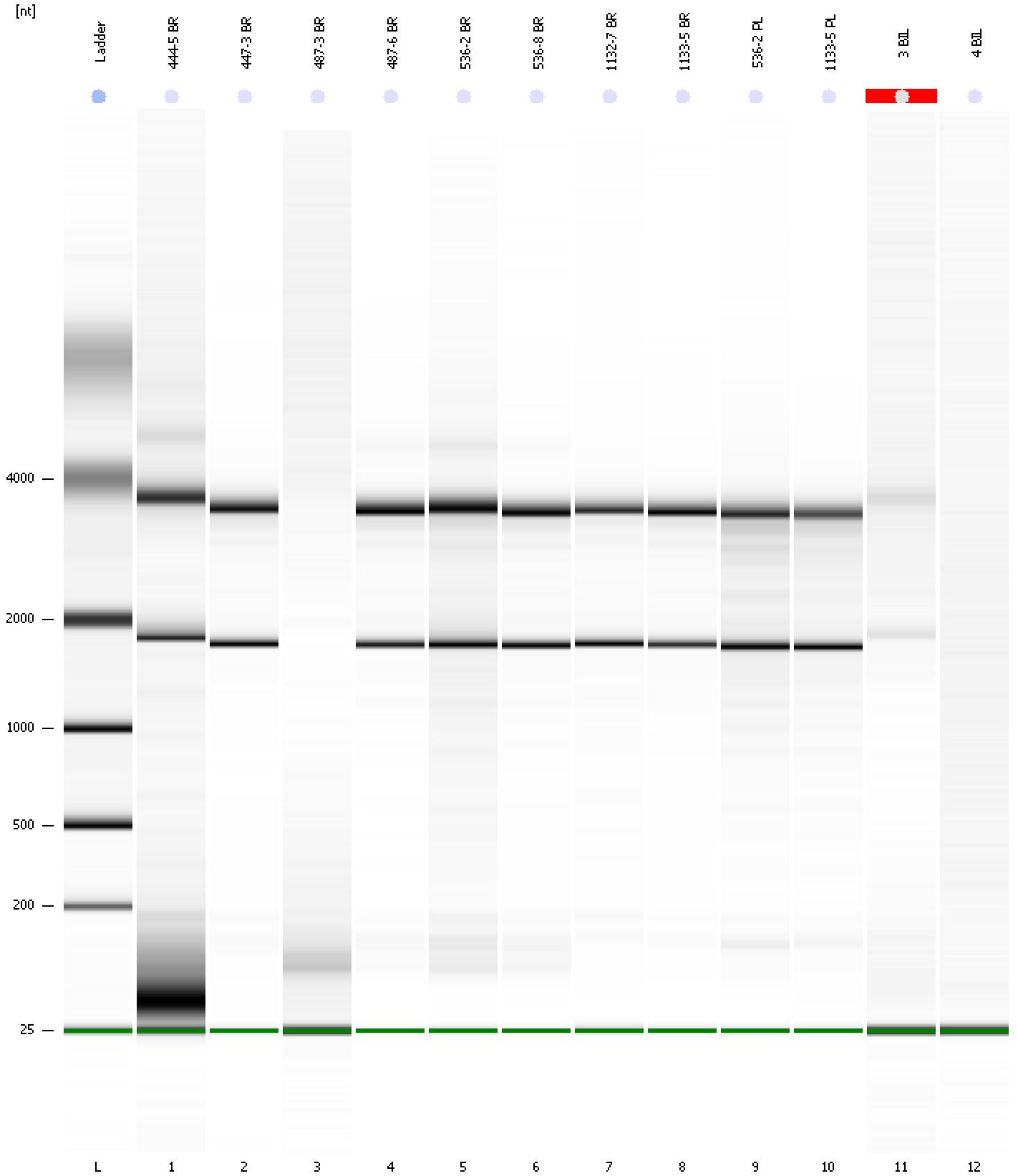
Overall Results for sample 12 : 4 BIL

RNA Area: 21.0
RNA Concentration: 11 ng/µl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 1 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-04\2017-08-04_001.xad

Created: 8/4/2017 3:40:53 PM
Modified: 8/4/2017 4:09:00 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-04\2017-08-04_001.xad

Created: 8/4/2017 3:40:53 PM
Modified: 8/4/2017 4:09:00 PM

Curves

Standard Curve

