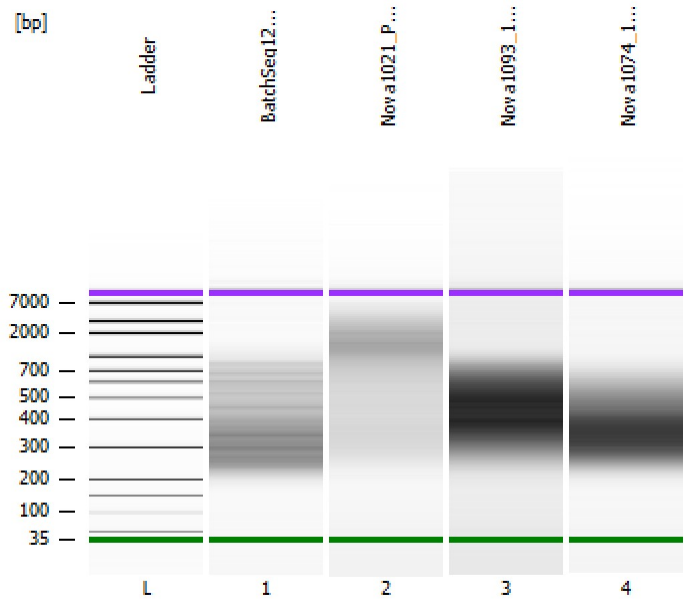
Assay Class: High Sensitivity DNA Assay
Data Path: C:\...pert\data\2024-05-21\BatchSeq128_N1021P-D_N1093P_N1074P.xad

Created: 5/21/2024 11:08:49 AM
Modified: 5/21/2024 12:24:48 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name:	DE34903152	Firmware:	C.01.069
Serial#:	DE34903152	Type:	G2938C

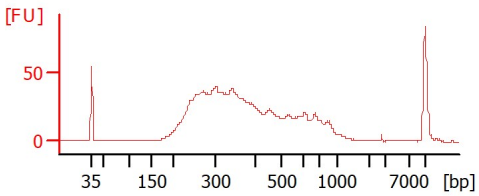
Assay Information:

Assay Origin Path:	C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy
Assay Class:	High Sensitivity DNA Assay
Version:	1.03
Assay Comments:	Copyright © 2003-2010 Agilent Technologies

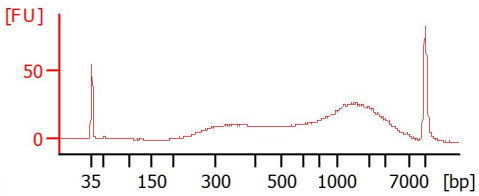
Chip Information:

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

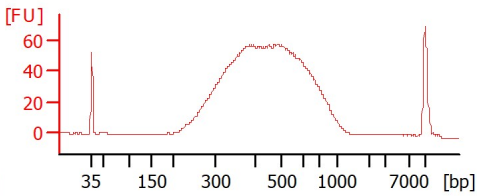
BatchSeq128_1.2xBC (1:5)



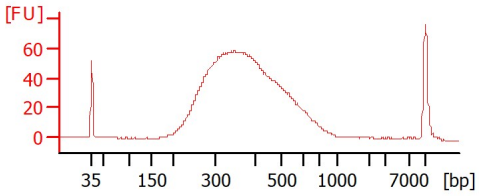
Nova1021_PoolD_1.2xBC on 1xBC (1:2)



Nova1093_1.2xBC (1:2)



Nova1074_1.2xBC (1:2)



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...pert\data\2024-05-21\BatchSeq128_N1021P-D_N1093P_N1074P.xad

Created: 5/21/2024 11:08:49 AM
Modified: 5/21/2024 12:24:48 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Statu s	Observation	Result Label	Result Color
BatchSeq128_1.2xBC (1:5)		☐	✔			
Nova1021_PoolD_1.2xBC on 1xBC (1:2)		☐	✔			
Nova1093_1.2xBC (1:2)		☐	✔			
Nova1074_1.2xBC (1:2)		☐	✔			
Ladder		☐	✔			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...pert\data\2024-05-21\BatchSeq128_N1021P-D_N1093P_N1074P.xad

Created: 5/21/2024 11:08:49 AM
Modified: 5/21/2024 12:24:48 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 32
Maximum Visible Range [s] : 138
Start Analysis Time Range [s] : 33
End Analysis Time Range [s] : 137.5
Ladder Concentration [pg/µl] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/µl] : 125
Upper Marker Concentration [pg/µl] : 75
Used Upper Marker for Quantitation
Standard Curve Fit is Point to Point
Show Data Aligned to Lower and Upper Marker

Integrator Settings

Integration Start Time [s] : 33.05
Integration End Time [s] : 137
Slope Threshold : 0.8
Height Threshold [FU] : 5
Area Threshold : 0.1
Width Threshold [s] : 0.6
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

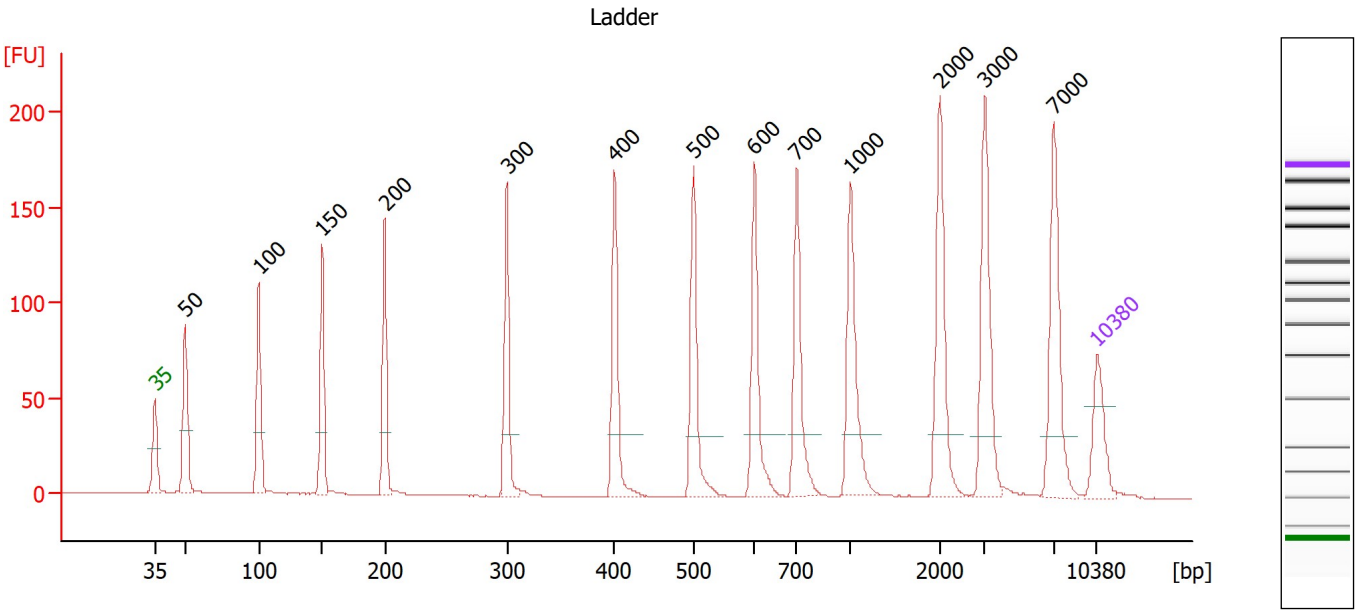
Ladder

Ladder Peak	Size	Area
1	35	160
2	50	210
3	100	208
4	150	221
5	200	242
6	300	270
7	400	305
8	500	306
9	600	336
10	700	321
11	1000	366
12	2000	413
13	3000	411
14	7000	400
15	10380	214

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...pert\data\2024-05-21\BatchSeq128_N1021P-D_N1093P_N1074P.xad

Created: 5/21/2024 11:08:49 AM
Modified: 5/21/2024 12:24:48 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

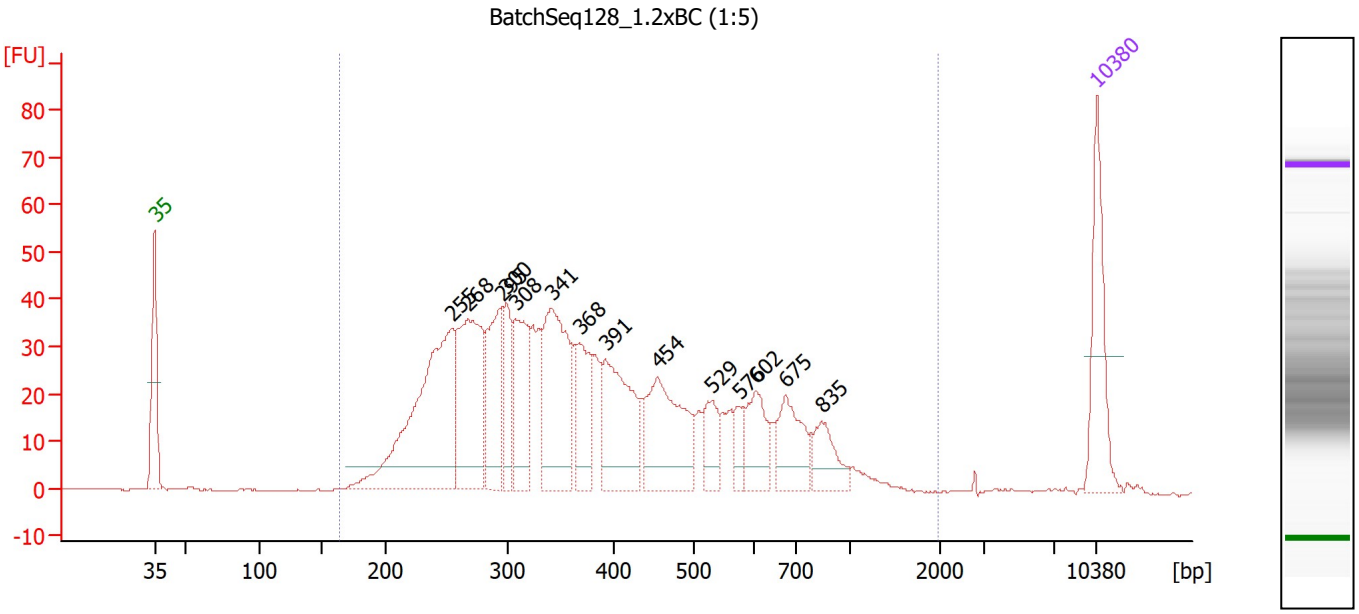
Peak table for Ladder

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1		35	125.00	5,411.3	Lower Marker
2		50	150.00	4,545.5	Ladder Peak
3		100	150.00	2,272.7	Ladder Peak
4		150	150.00	1,515.2	Ladder Peak
5		200	150.00	1,136.4	Ladder Peak
6		300	150.00	757.6	Ladder Peak
7		400	150.00	568.2	Ladder Peak
8		500	150.00	454.5	Ladder Peak
9		600	150.00	378.8	Ladder Peak
10		700	150.00	324.7	Ladder Peak
11		1,000	150.00	227.3	Ladder Peak
12		2,000	150.00	113.6	Ladder Peak
13		3,000	150.00	75.8	Ladder Peak
14		7,000	150.00	32.5	Ladder Peak
15		10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...pert\data\2024-05-21\BatchSeq128_N1021P-D_N1093P_N1074P.xad

Created: 5/21/2024 11:08:49 AM
Modified: 5/21/2024 12:24:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : BatchSeq128_1.2xBC (1:5)

Number of peaks found:	14	Corr. Area 1:	1,131.3
Noise:	0.2		

Peak table for sample 1 : BatchSeq128_1.2xBC (1:5)

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	255	326.31	1,937.6	
3	268	193.04	1,089.8	
4	295	112.36	576.5	
5	300	63.28	319.7	
6	308	107.16	527.7	
7	341	175.74	780.1	
8	368	75.39	310.5	
9	391	133.15	515.7	
10	454	138.90	463.2	
11	529	38.99	111.6	
12	576	19.39	51.0	
13	602	56.17	141.4	
14	675	64.69	145.2	
15	835	41.37	75.0	
16	10,380	75.00	10.9	Upper Marker

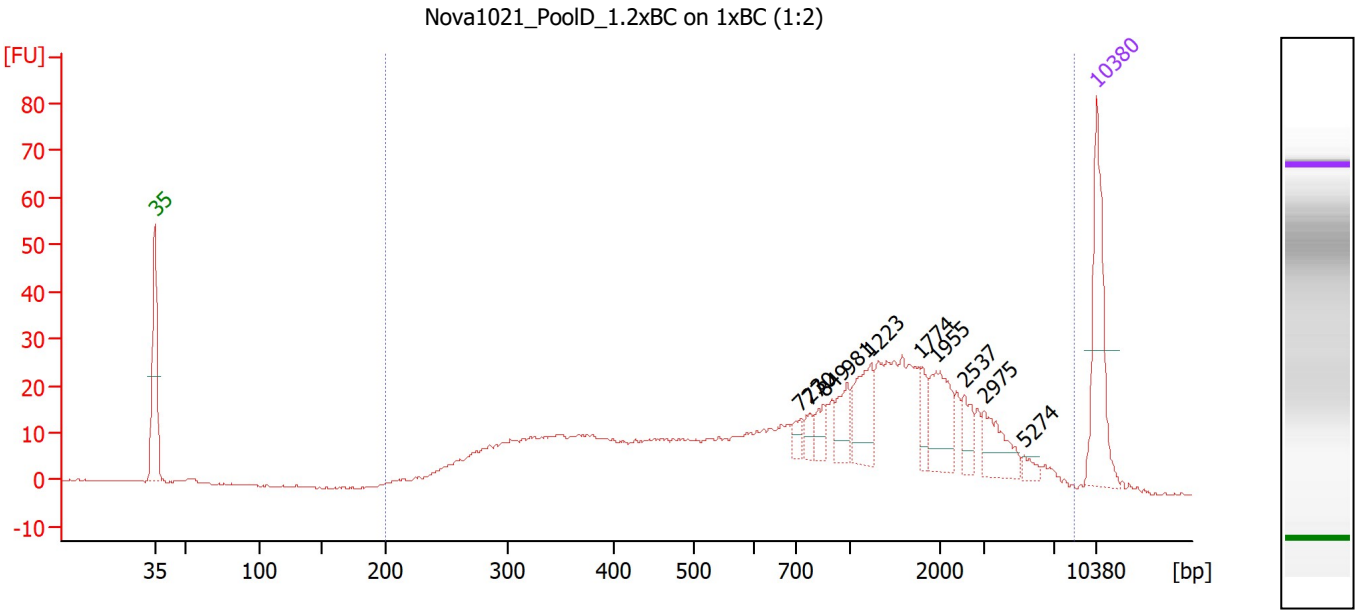
Region table for sample 1 : BatchSeq128_1.2xBC (1:5)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
164	1,977	1,131.2	98	418	47.8	1,827.66	8,196.9	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...pert\data\2024-05-21\BatchSeq128_N1021P-D_N1093P_N1074P.xad

Created: 5/21/2024 11:08:49 AM
Modified: 5/21/2024 12:24:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Nova1021_PoolD_1.2xBC on 1xBC (1:2)

Number of peaks found:	10	Corr. Area 1:	724.3
Noise:	0.2		

Peak table for sample 2 : Nova1021_PoolD_1.2xBC on 1xBC (1:2)

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	723	10.58	22.2	
3	770	11.19	22.0	
4	849	16.25	29.0	
5	981	26.12	40.3	
6	1,223	44.50	55.1	
7	1,774	17.87	15.3	
8	1,955	45.01	34.9	
9	2,537	17.71	10.6	
10	2,975	32.60	16.6	
11	5,274	6.66	1.9	
12	10,380	75.00	10.9	Upper Marker

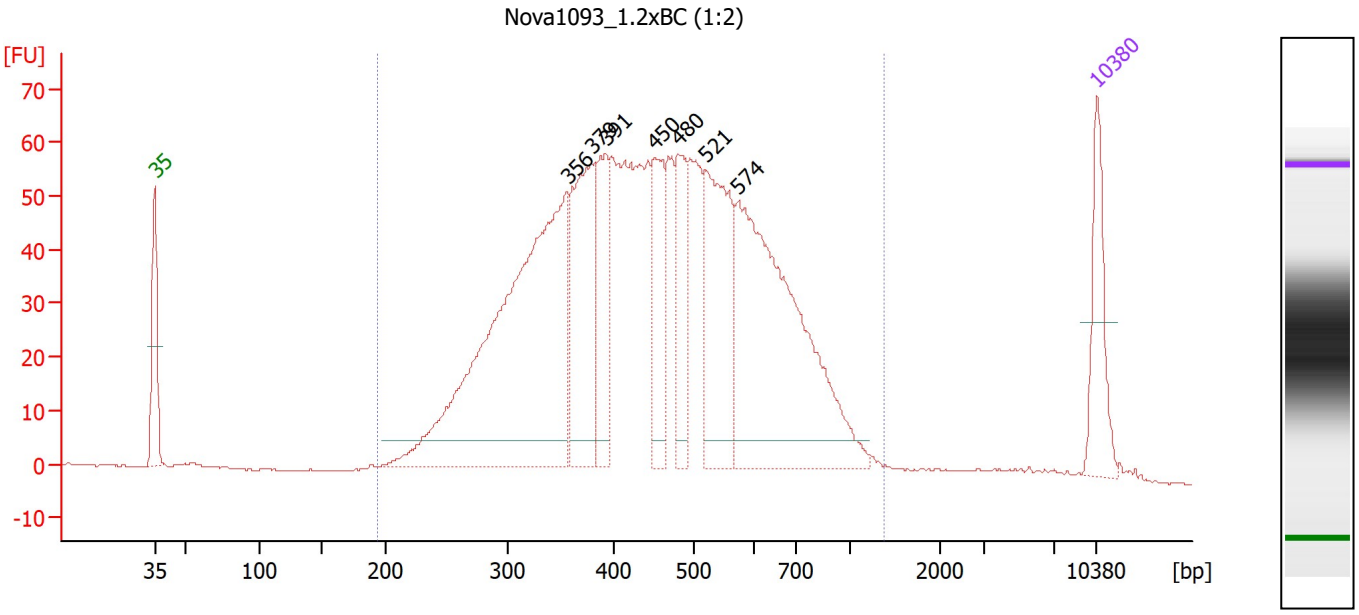
Region table for sample 2 : Nova1021_PoolD_1.2xBC on 1xBC (1:2)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
200	8,646	724.3	99	1,358	97.3	1,086.61	2,848.2	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...pert\data\2024-05-21\BatchSeq128_N1021P-D_N1093P_N1074P.xad

Created: 5/21/2024 11:08:49 AM
Modified: 5/21/2024 12:24:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Nova1093_1.2xBC (1:2)

Number of peaks found:	7	Corr. Area 1:	1,660.6
Noise:	0.1		

Peak table for sample 3 : Nova1093_1.2xBC (1:2)

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	356	719.57	3,065.2	
3	379	236.62	947.0	
4	391	128.97	499.3	
5	450	120.72	406.5	
6	480	100.68	317.5	
7	521	223.84	650.7	
8	574	478.24	1,262.9	
9	10,380	75.00	10.9	Upper Marker

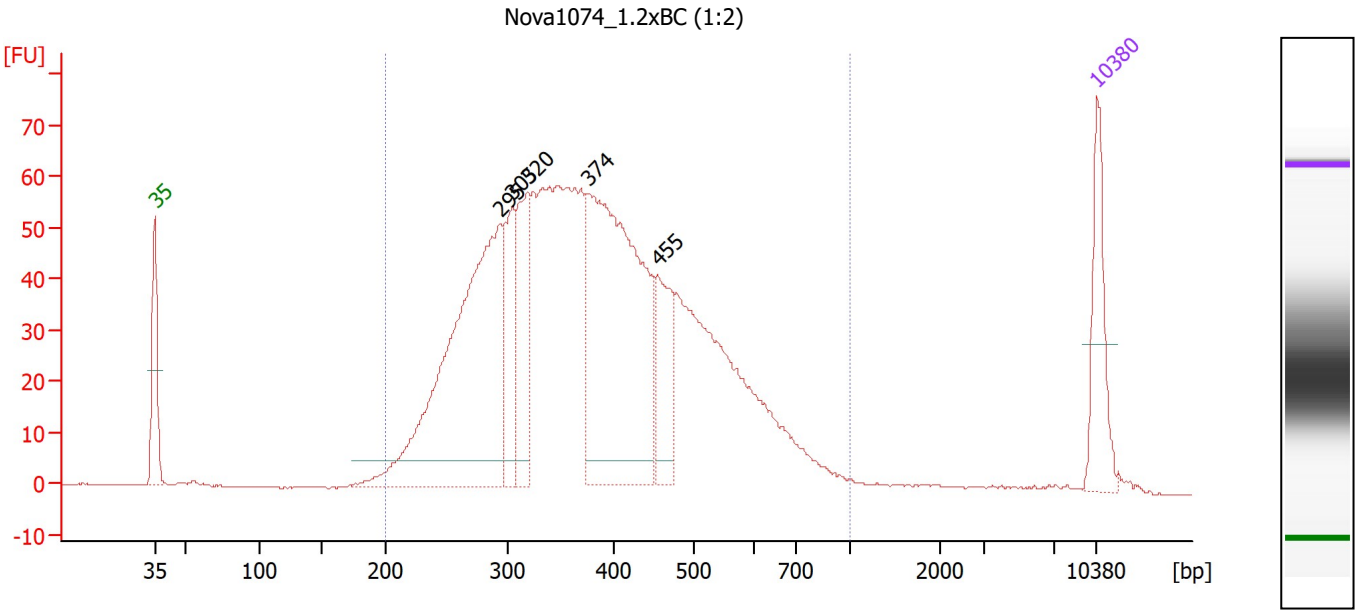
Region table for sample 3 : Nova1093_1.2xBC (1:2)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
195	1,368	1,660.6	96	472	33.9	2,821.02	10,422.1	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...pert\data\2024-05-21\BatchSeq128_N1021P-D_N1093P_N1074P.xad

Created: 5/21/2024 11:08:49 AM
Modified: 5/21/2024 12:24:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Nova1074_1.2xBC (1:2)

Number of peaks found:	5	Corr. Area 1:	1,480.6
Noise:	0.2		

Peak table for sample 4 : Nova1074_1.2xBC (1:2)

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	295	584.53	3,006.6	
3	305	101.03	501.8	
4	320	146.60	694.7	
5	374	516.70	2,091.8	
6	455	103.00	343.2	
7	10,380	75.00	10.9	Upper Marker

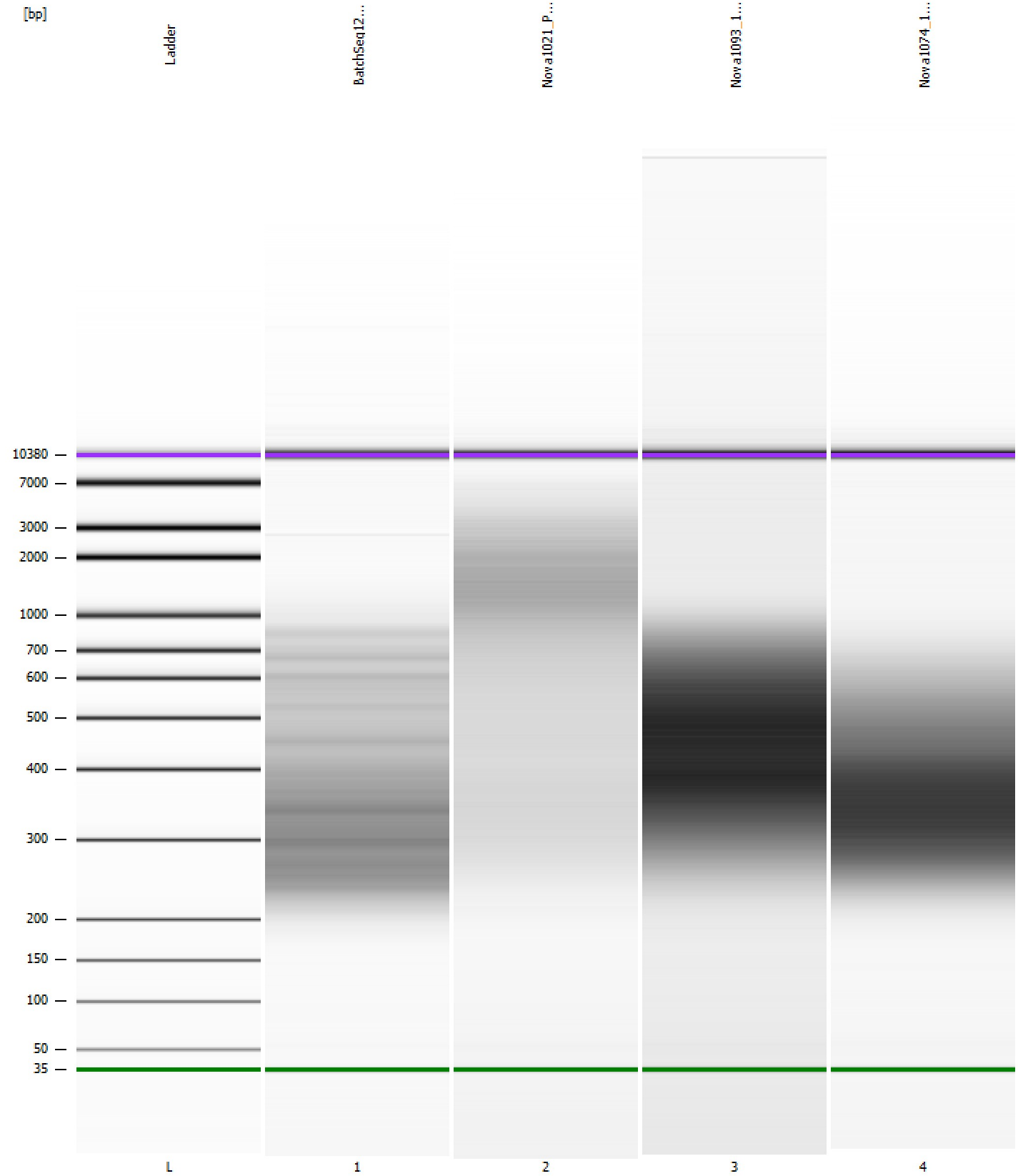
Region table for sample 4 : Nova1074_1.2xBC (1:2)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
200	1,000	1,480.6	98	394	29.7	2,422.26	10,376.2	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...pert\data\2024-05-21\BatchSeq128_N1021P-D_N1093P_N1074P.xad

Created: 5/21/2024 11:08:49 AM
Modified: 5/21/2024 12:24:48 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...pert\data\2024-05-21\BatchSeq128_N1021P-D_N1093P_N1074P.xad

Created: 5/21/2024 11:08:49 AM
Modified: 5/21/2024 12:24:48 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		5/21/2024 11:50:11 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2024-05-21\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2024-05-21_001.xad)		Instrument	Run		5/21/2024 11:08:56 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Product Number : G2938C		Instrument	Run		5/21/2024 11:08:56 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Name :		Instrument	Run		5/21/2024 11:08:56 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Vendor : Agilent Technologies		Instrument	Run		5/21/2024 11:08:56 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Serial# : DE34903152		Instrument	Run		5/21/2024 11:08:56 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Firmware : C.01.069		Instrument	Run		5/21/2024 11:08:56 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Cartridge : Electrode		Instrument	Run		5/21/2024 11:08:56 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB