

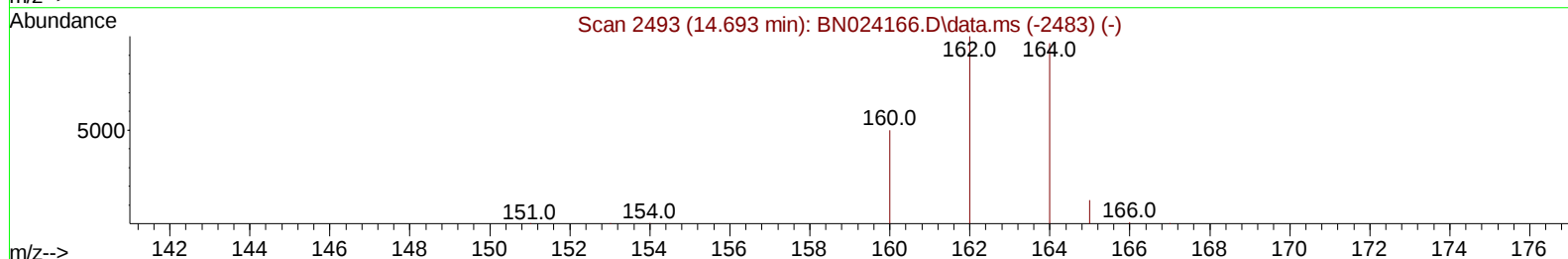
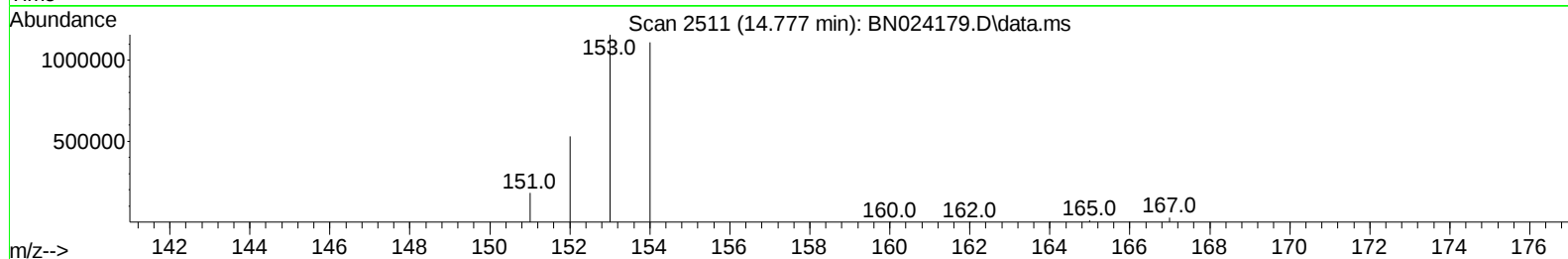
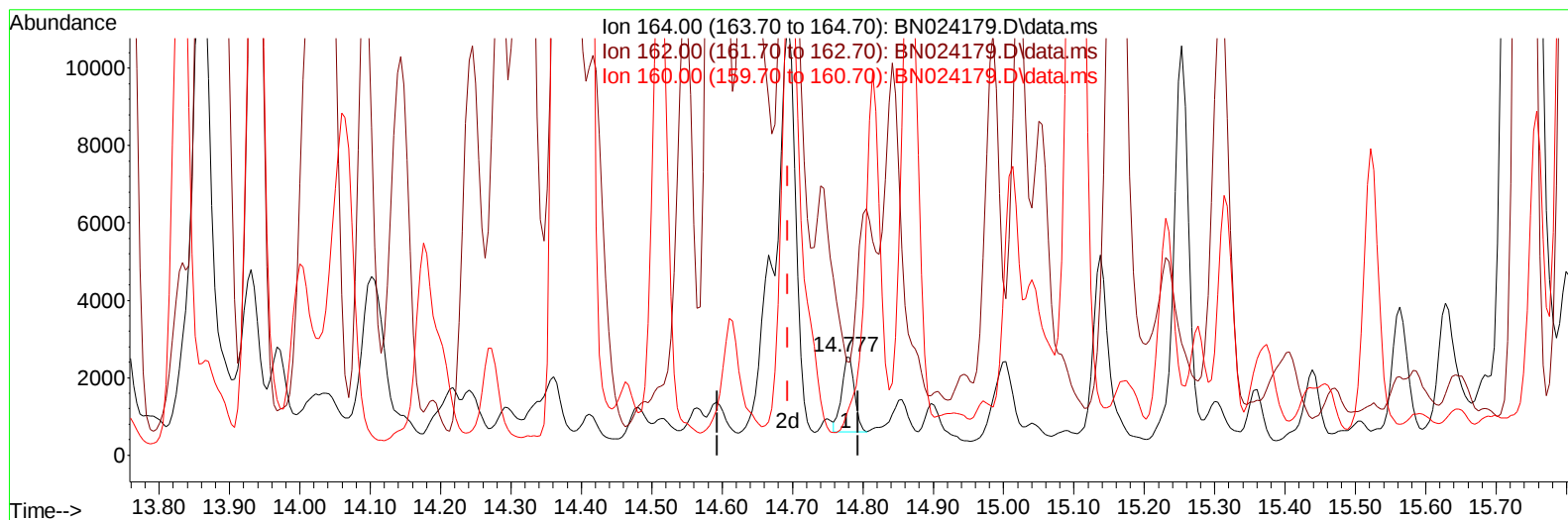
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030923\
Data File : BN024179.D
Acq On : 08 Mar 2023 22:22
Operator : CG/JU
Sample : 01746-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DCAC1

Manual IntegrationsAPPROVED

Quant Time: Mar 09 03:52:01 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN030923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 03:48:21 2023
Response via : Initial Calibration

Reviewed By :Christian Giraldo 03/09/2023
Supervised By :Jagrut Upadhyay 03/09/2023



TIC: BN024179.D\data.ms

(9) Acenaphthene-d10 (I)

14.777min (+ 0.083) 0.40 ng/u1

response 2468

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	103.80	95.15
160.00	52.10	42.05
0.00	0.00	0.00

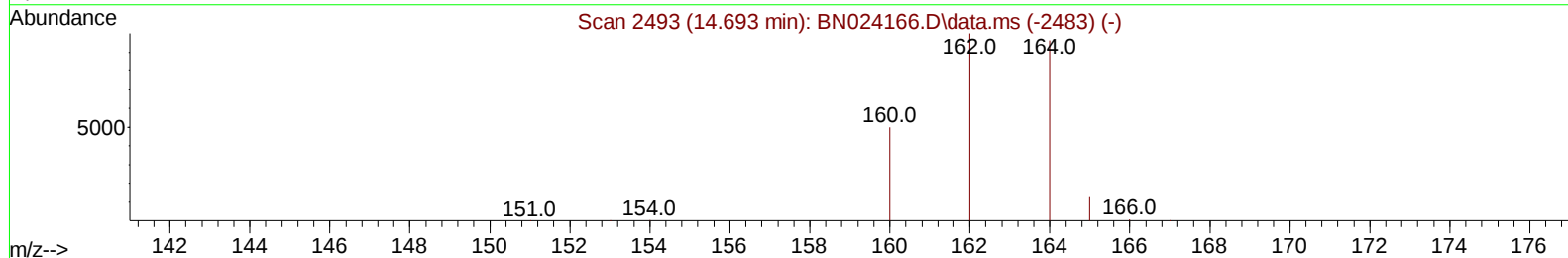
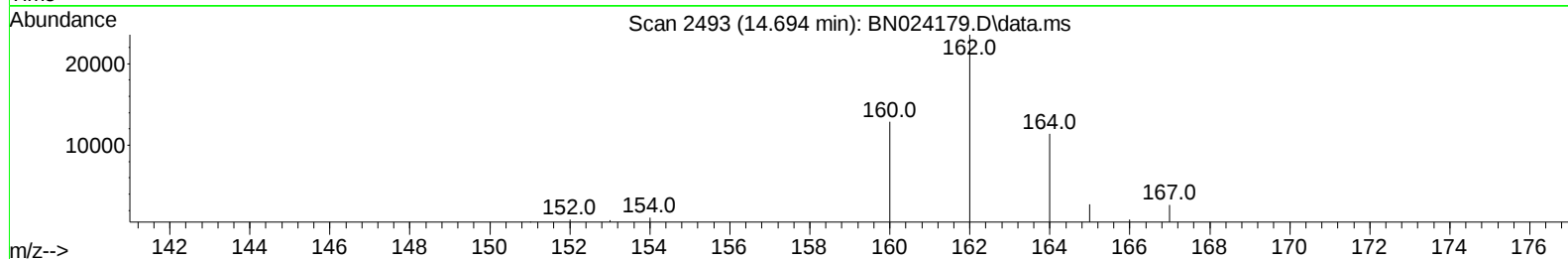
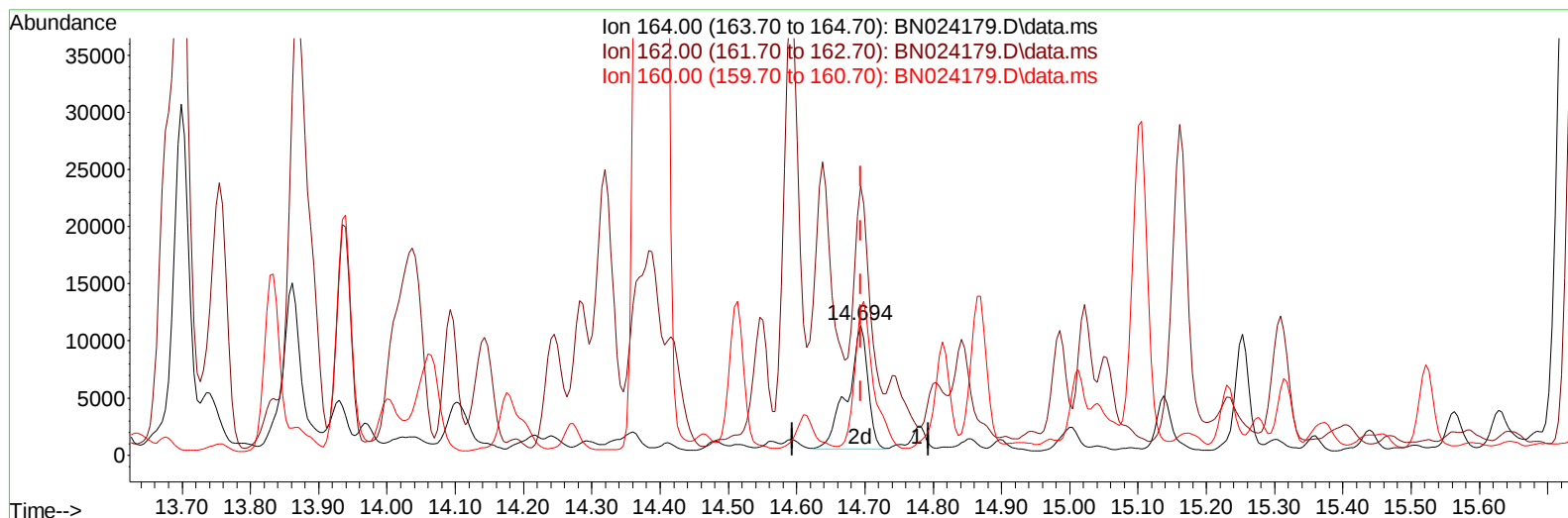
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030923\
 Data File : BN024179.D
 Acq On : 08 Mar 2023 22:22
 Operator : CG/JU
 Sample : 01746-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DCAC1

Manual IntegrationsAPPROVED

Quant Time: Mar 09 03:52:01 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN030923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 09 03:48:21 2023
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Reviewed By :Christian Giraldo 03/09/2023
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TIC: BN024179.D\data.ms

(9) Acenaphthene-d10 (I)

14.694min (-0.000) 0.40 ng/ul m

response 22619

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	103.80	206.94#
160.00	52.10	113.15#
0.00	0.00	0.00

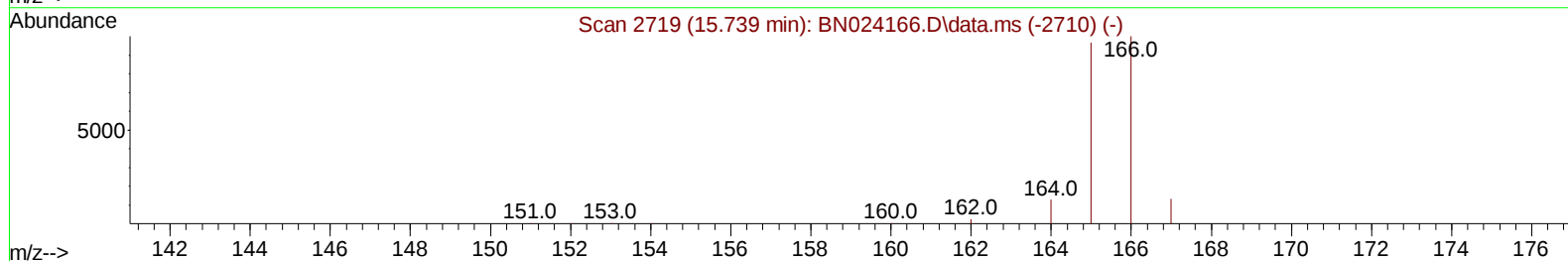
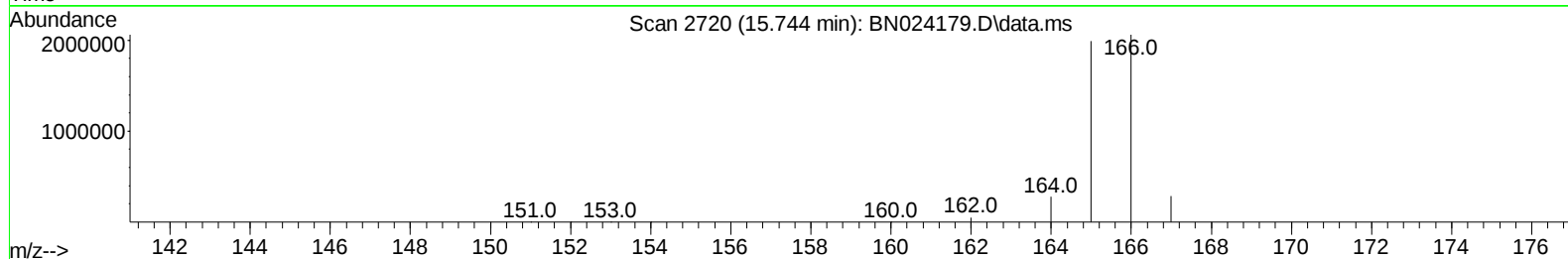
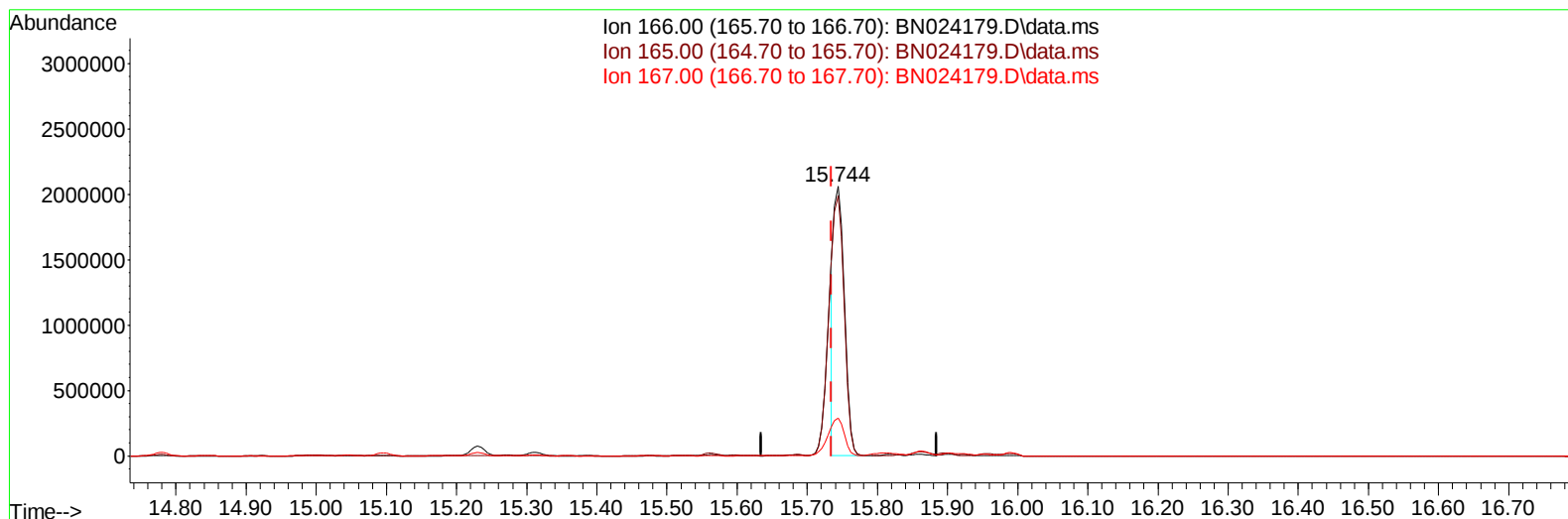
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030923\
Data File : BN024179.D
Acq On : 08 Mar 2023 22:22
Operator : CG/JU
Sample : 01746-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DCAC1

Manual IntegrationsAPPROVED

Quant Time: Mar 09 03:52:01 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN030923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 03:48:21 2023
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TIC: BN024179.D\data.ms

(12) Fluorene

15.744min (+ 0.009) 26.42 ng/ul

response 2145405

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	96.70	96.64
167.00	13.60	14.00
0.00	0.00	0.00

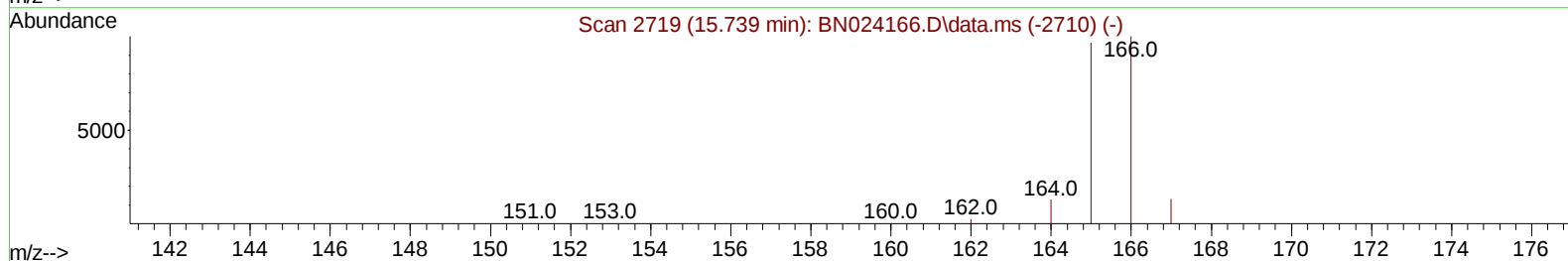
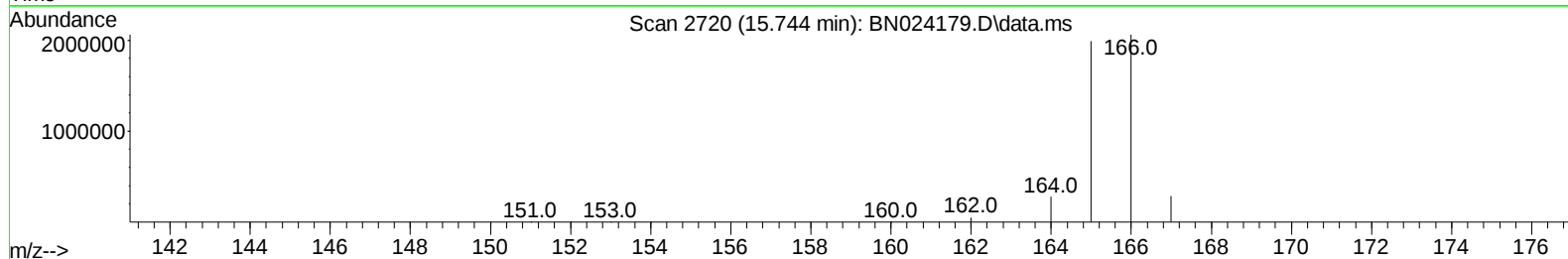
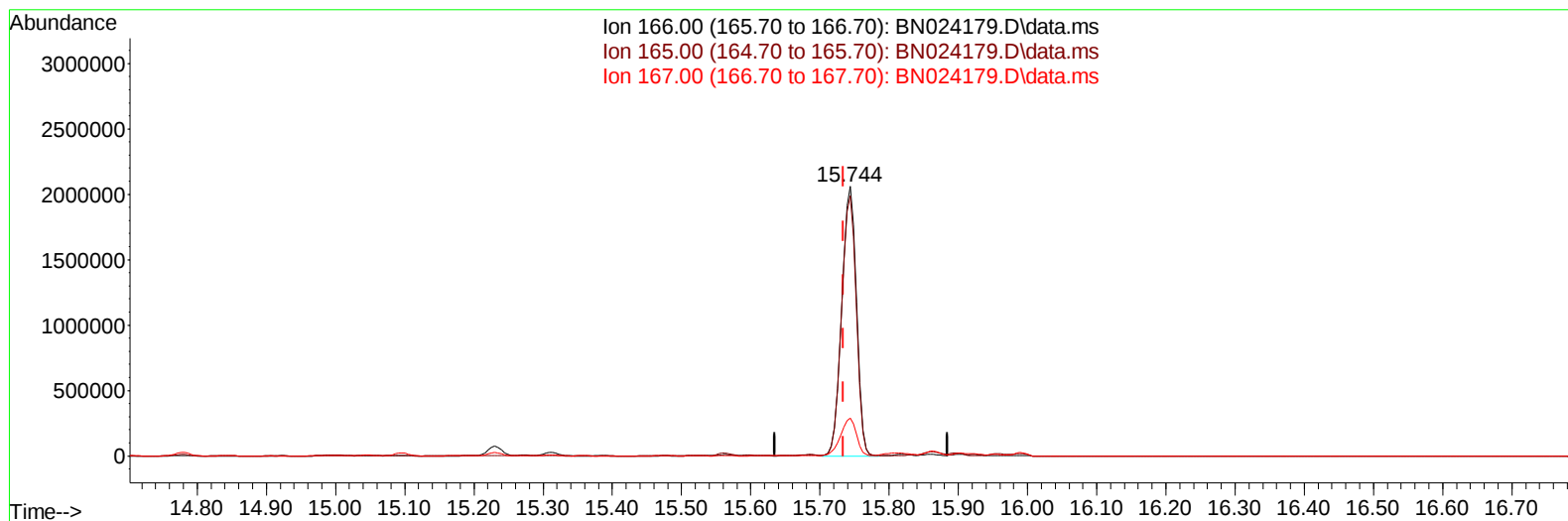
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030923\
Data File : BN024179.D
Acq On : 08 Mar 2023 22:22
Operator : CG/JU
Sample : 01746-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DCAC1

Manual IntegrationsAPPROVED

Quant Time: Mar 09 03:52:01 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN030923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 03:48:21 2023
Response via : Initial Calibration

Reviewed By :Christian Giraldo 03/09/2023
Supervised By :Jagrut Upadhyay 03/09/2023



TIC: BN024179.D\data.ms

(12) Fluorene

15.744min (+ 0.009) 37.82 ng/ul m

response 3070366

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	96.70	96.64
167.00	13.60	14.00
0.00	0.00	0.00

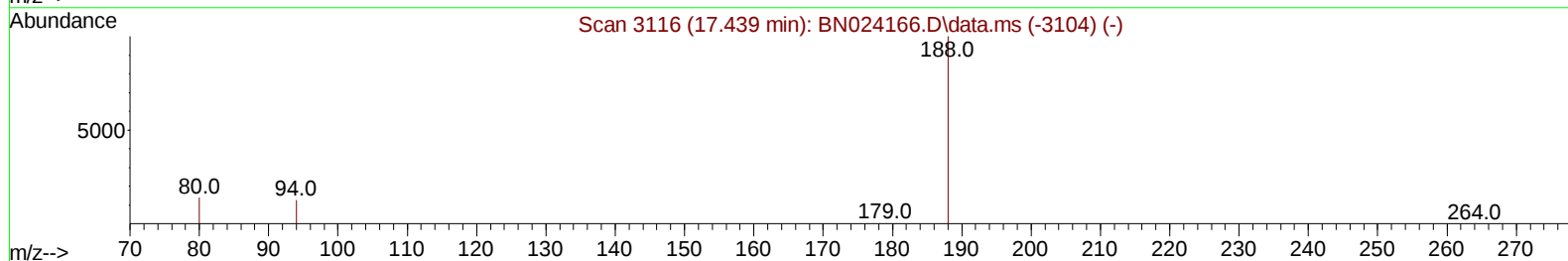
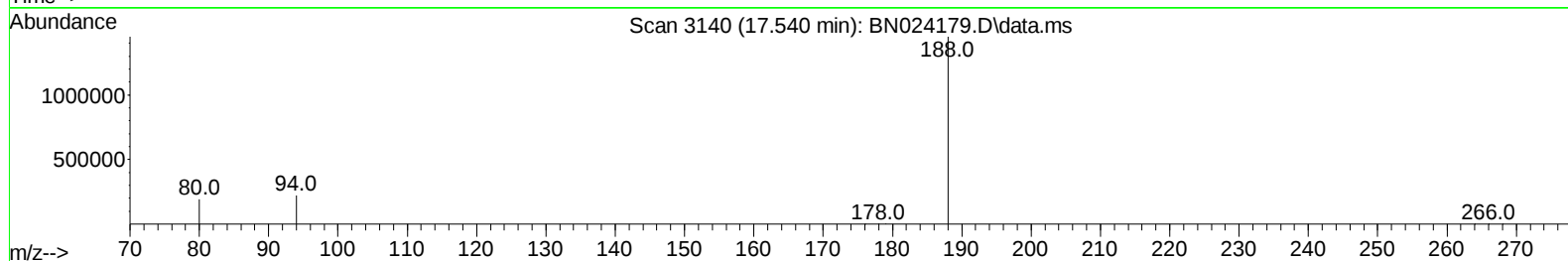
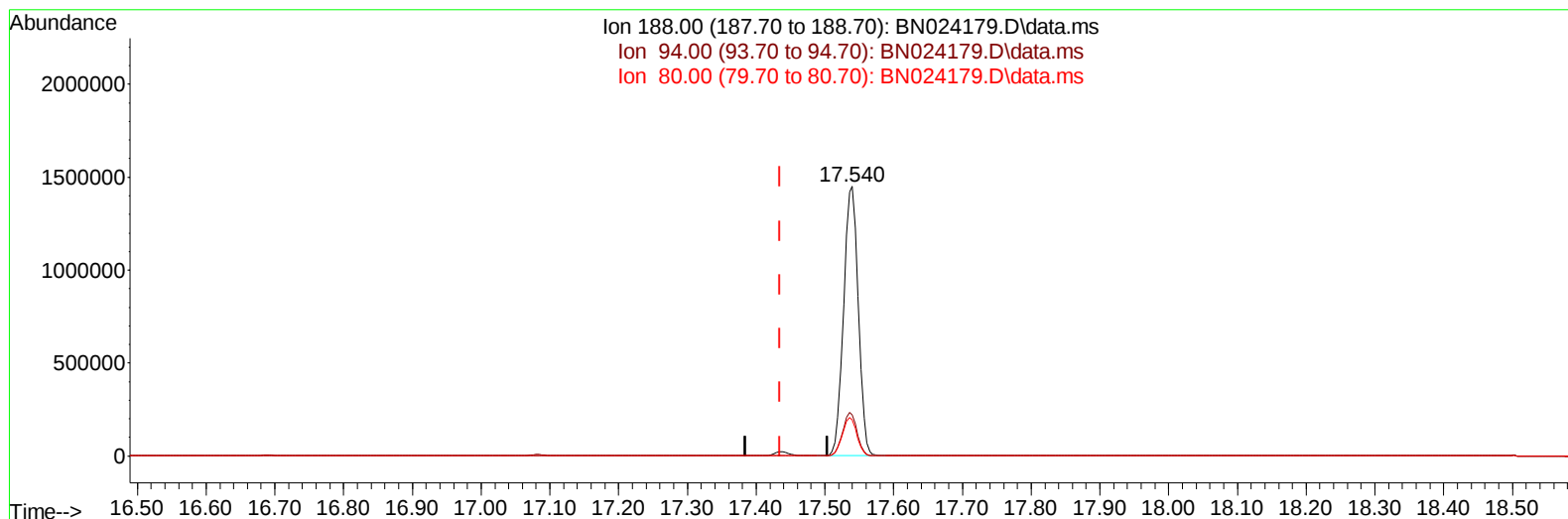
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030923\
 Data File : BN024179.D
 Acq On : 08 Mar 2023 22:22
 Operator : CG/JU
 Sample : 01746-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DCAC1

Manual IntegrationsAPPROVED

Quant Time: Mar 09 03:52:01 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN030923.M
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TIC: BN024179.D\data.ms

(13) Phenanthrene-d10 (I)

17.540min (+ 0.105) 0.40 ng/u1

response 2153142

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.00	15.26
80.00	14.30	13.37
0.00	0.00	0.00

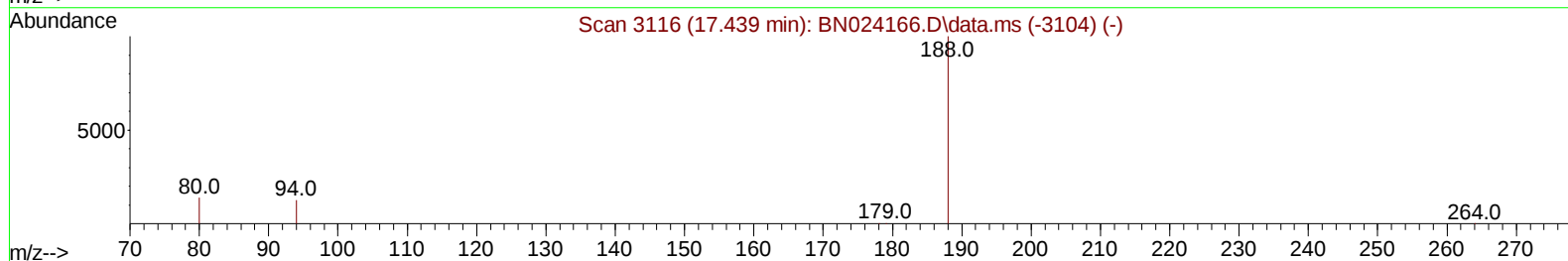
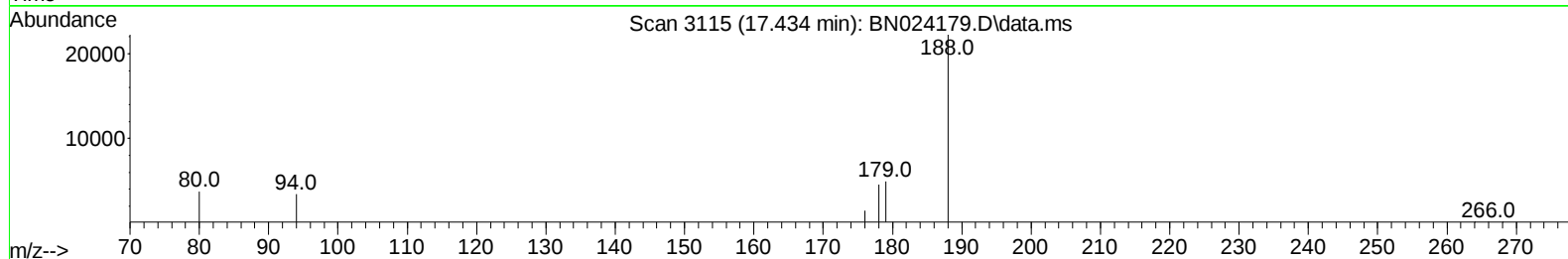
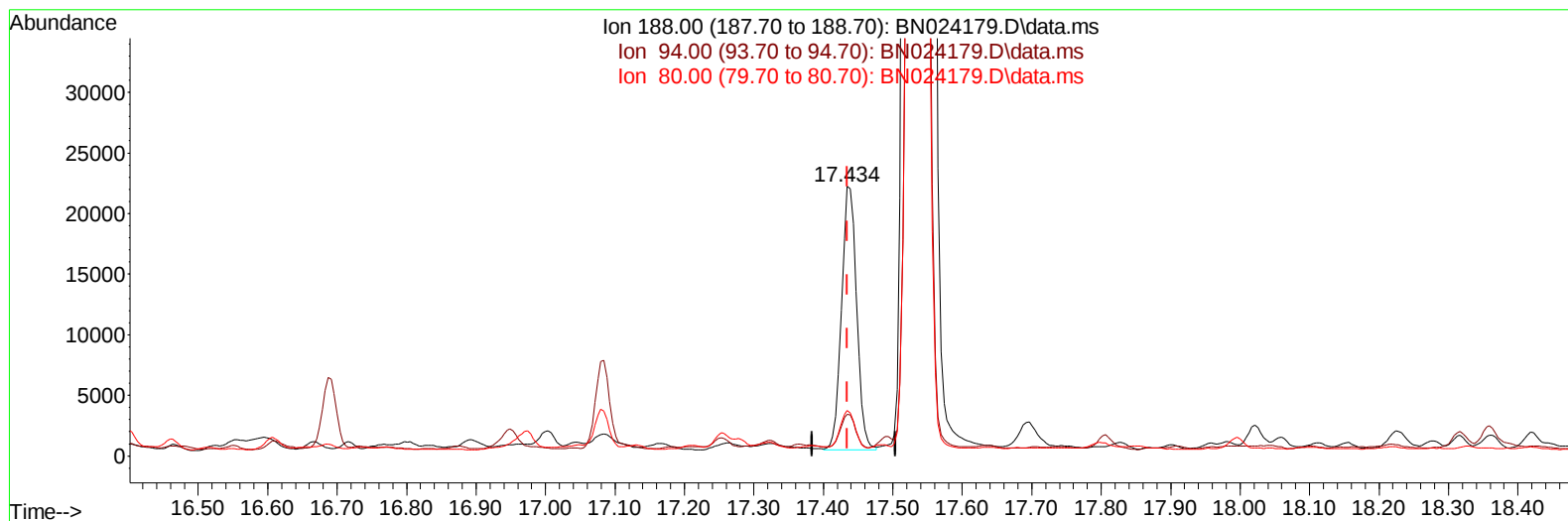
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030923\
 Data File : BN024179.D
 Acq On : 08 Mar 2023 22:22
 Operator : CG/JU
 Sample : 01746-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DCAC1

Manual IntegrationsAPPROVED

Quant Time: Mar 09 03:52:01 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN030923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 09 03:48:21 2023
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TIC: BN024179.D\data.ms

(13) Phenanthrene-d10 (I)

17.434min (-0.000) 0.40 ng/ul m

response 32798

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.00	15.49
80.00	14.30	16.88
0.00	0.00	0.00

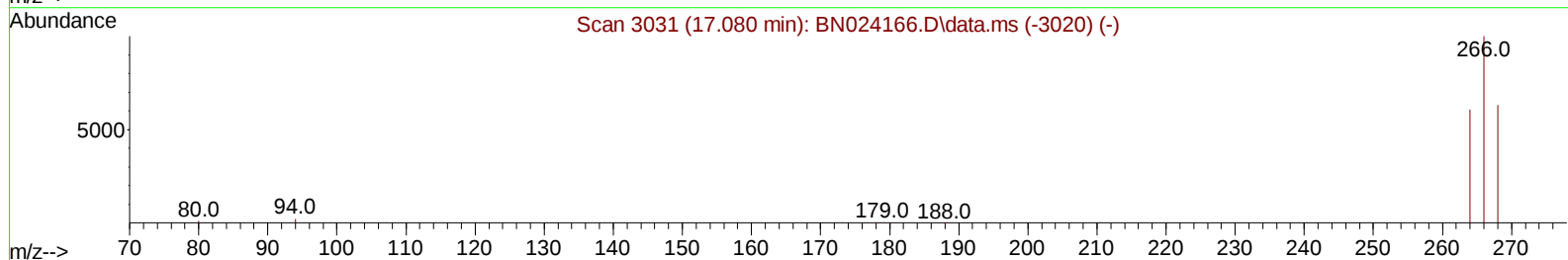
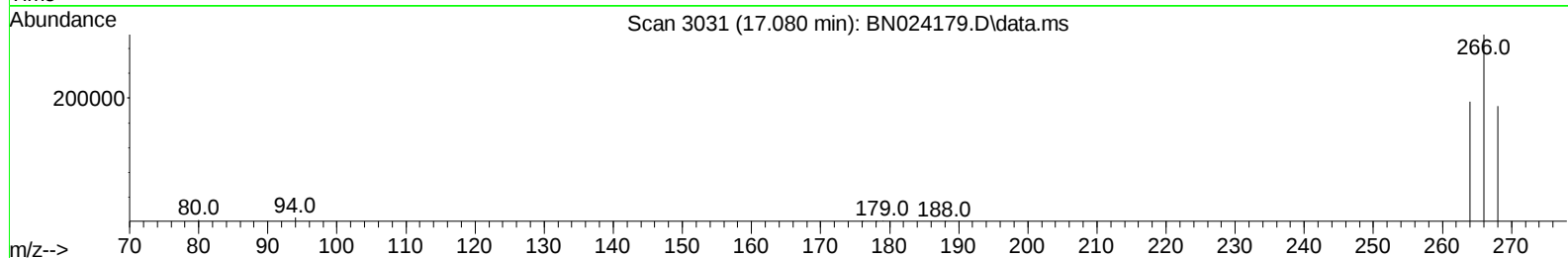
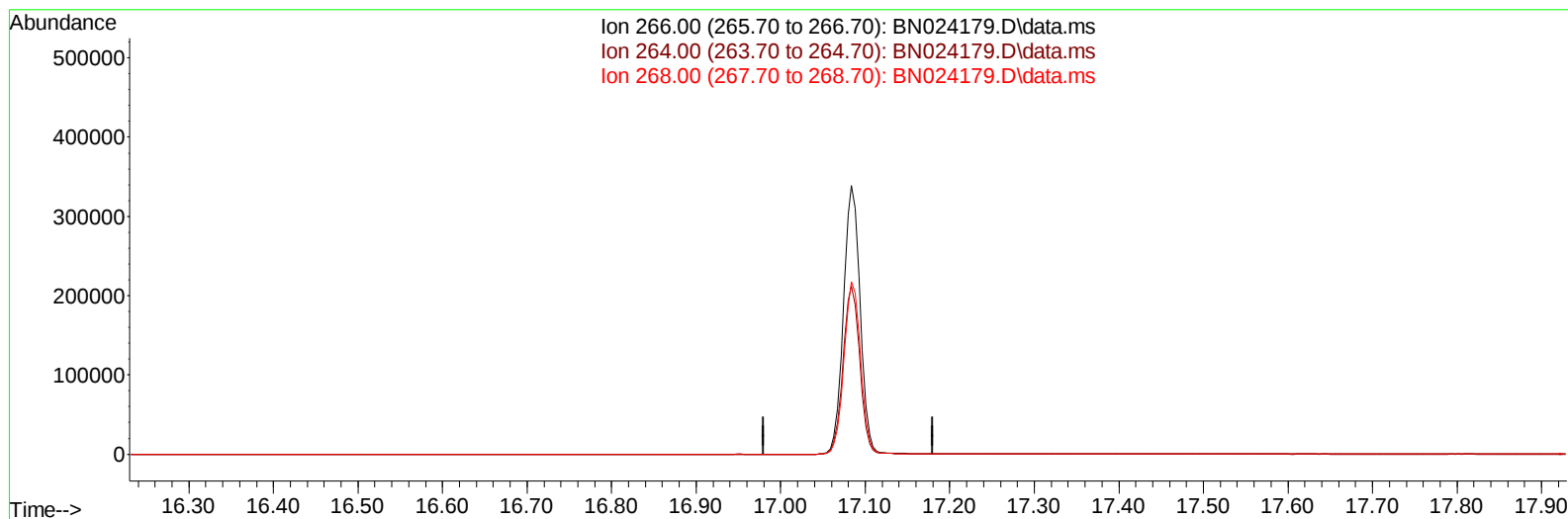
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030923\
 Data File : BN024179.D
 Acq On : 08 Mar 2023 22:22
 Operator : CG/JU
 Sample : 01746-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DCAC1

Manual IntegrationsAPPROVED

Quant Time: Mar 09 03:52:01 2023
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TIC: BN024179.D\data.ms

(14) Pentachloropheno1

17.080min (-17.080) 0.00 ng/u1

response 0

Ion	Exp%	Act%
266.00	100.00	0.00
264.00	0.00	0.00
268.00	0.10	0.00#
0.00	0.00	0.00

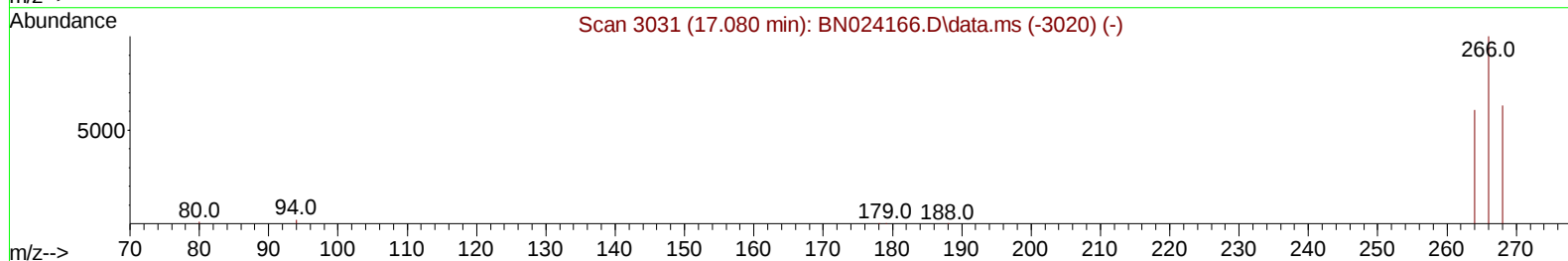
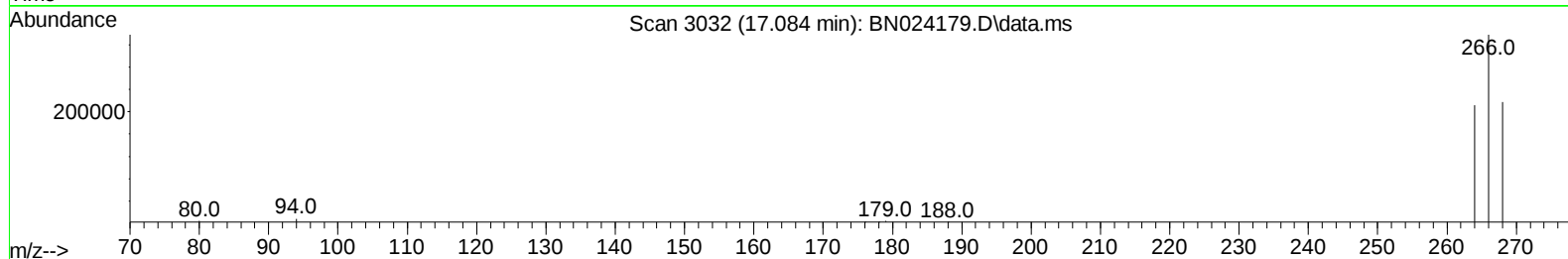
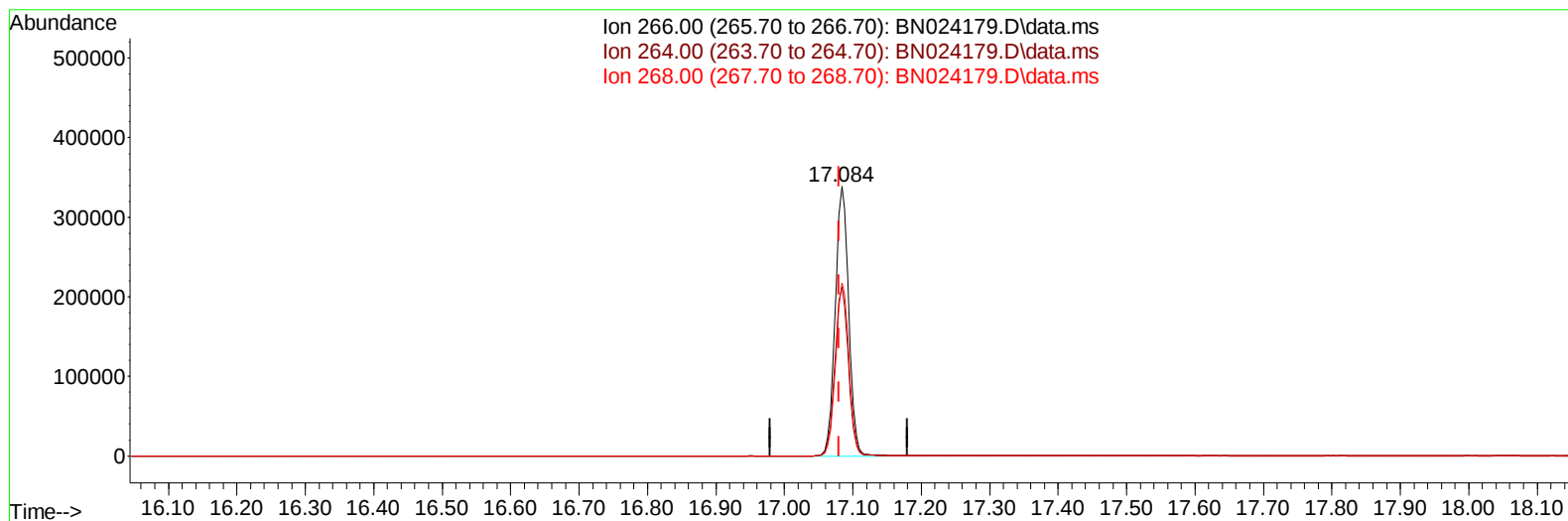
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030923\
Data File : BN024179.D
Acq On : 08 Mar 2023 22:22
Operator : CG/JU
Sample : 01746-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DCAC1

Manual IntegrationsAPPROVED

Reviewed By :Christian Giraldo 03/09/2023
Supervised By :Jagrut Upadhyay 03/09/2023

Quant Time: Mar 09 03:52:01 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN030923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 03:48:21 2023
Response via : Initial Calibration



TIC: BN024179.D\data.ms

(14) Pentachlorophenol

17.084min (+ 0.004) 51.26 ng/ul m

response 466942

Ion	Exp%	Act%
266.00	100.00	100.00
264.00	0.00	0.00
268.00	0.10	0.00#
0.00	0.00	0.00

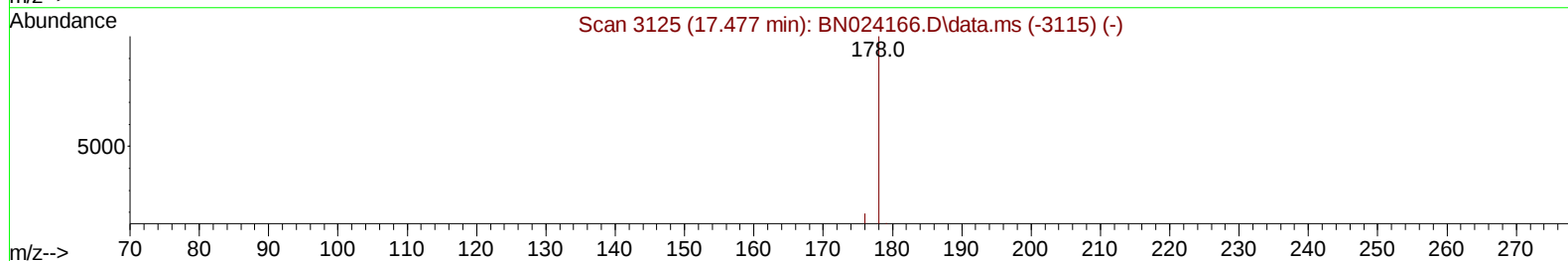
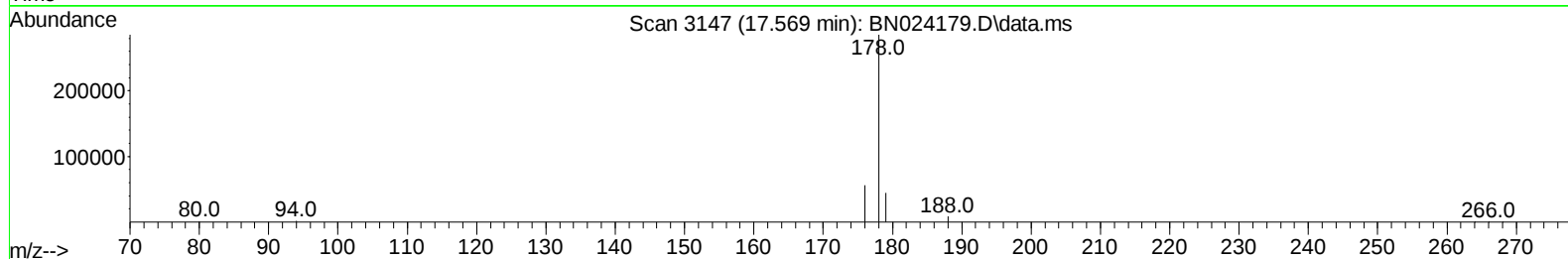
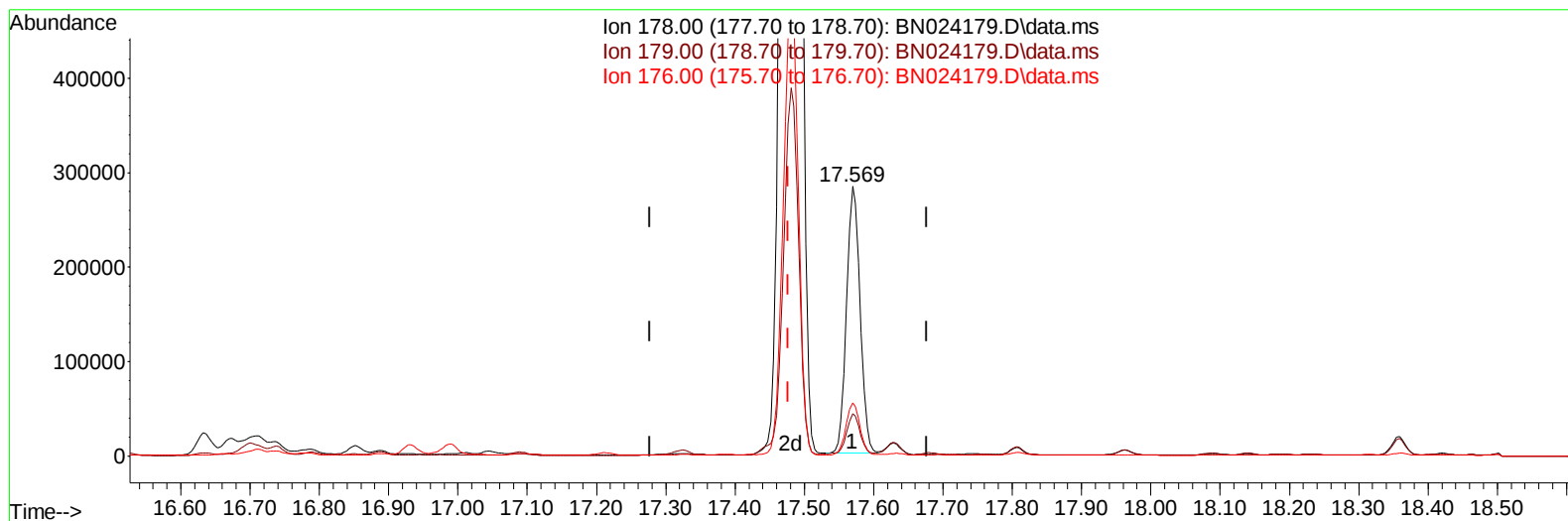
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030923\
 Data File : BN024179.D
 Acq On : 08 Mar 2023 22:22
 Operator : CG/JU
 Sample : 01746-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DCAC1

Manual IntegrationsAPPROVED

Quant Time: Mar 09 03:52:01 2023
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TIC: BN024179.D\data.ms

(15) Phenanthrene

17.569min (+ 0.093) 4.09 ng/u1

response 384367

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.20	15.61
176.00	19.60	19.75
0.00	0.00	0.00

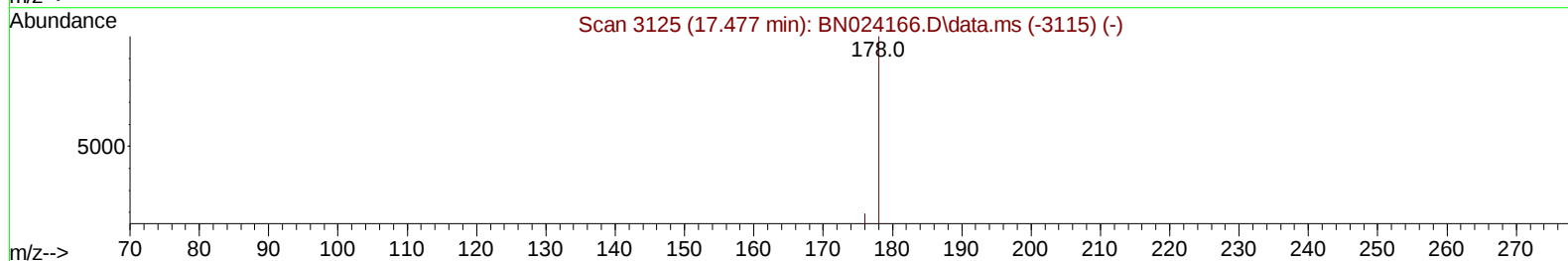
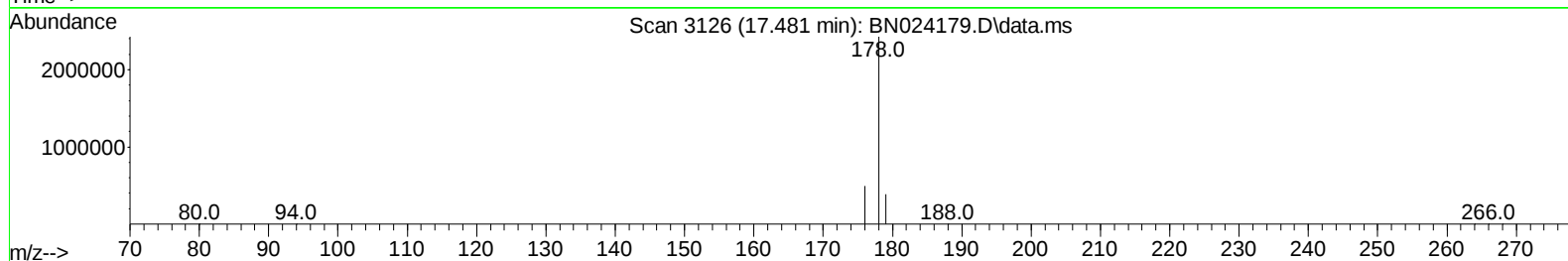
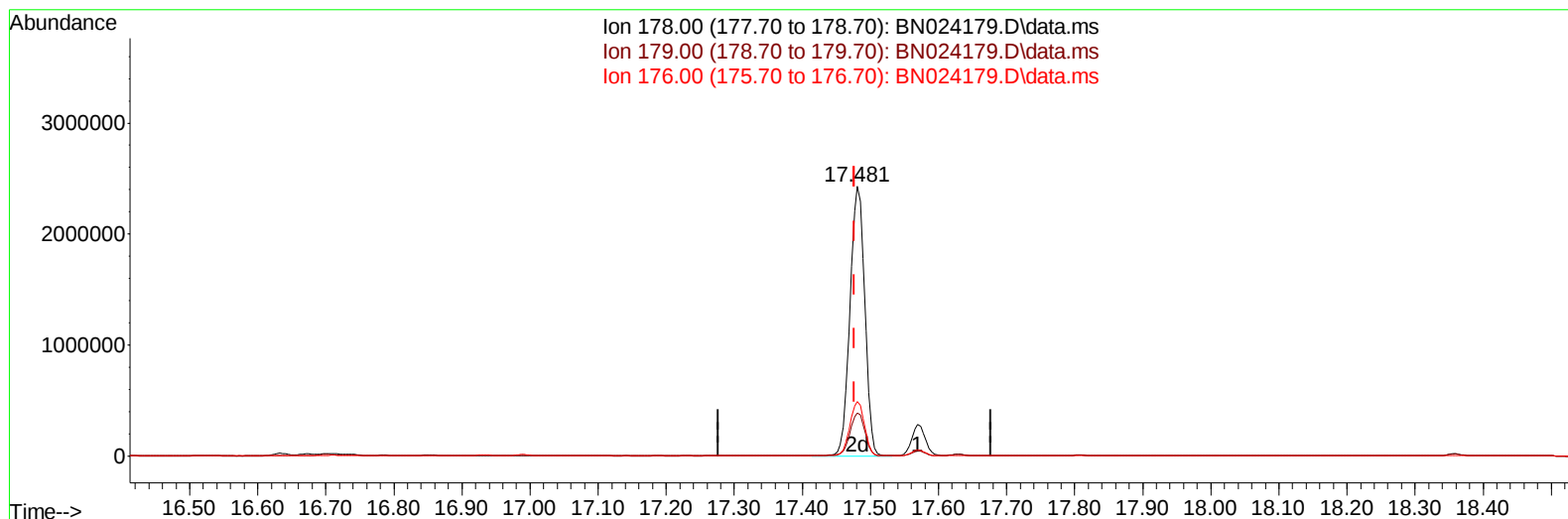
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030923\
 Data File : BN024179.D
 Acq On : 08 Mar 2023 22:22
 Operator : CG/JU
 Sample : 01746-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DCAC1

Manual IntegrationsAPPROVED

Quant Time: Mar 09 03:52:01 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN030923.M
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 Response via : Initial Calibration

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TIC: BN024179.D\data.ms

(15) Phenanthrene

17.481min (+ 0.004) 39.38 ng/ul m

response 3699169

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.20	16.04
176.00	19.60	20.24
0.00	0.00	0.00

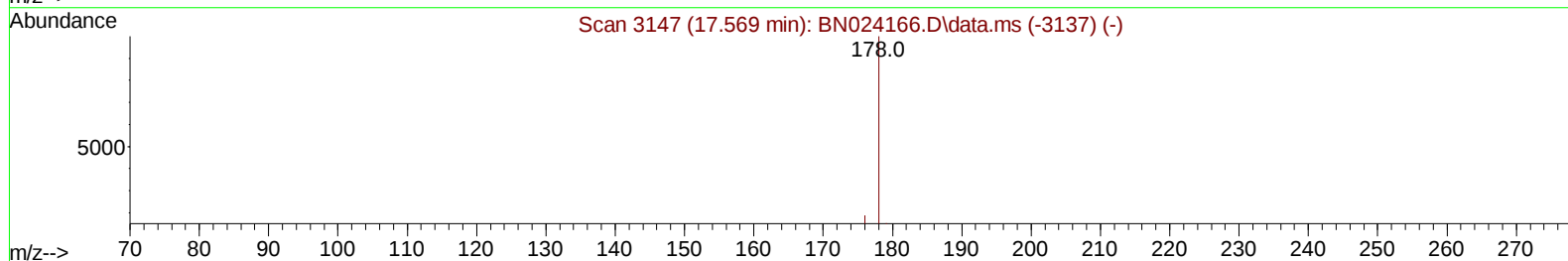
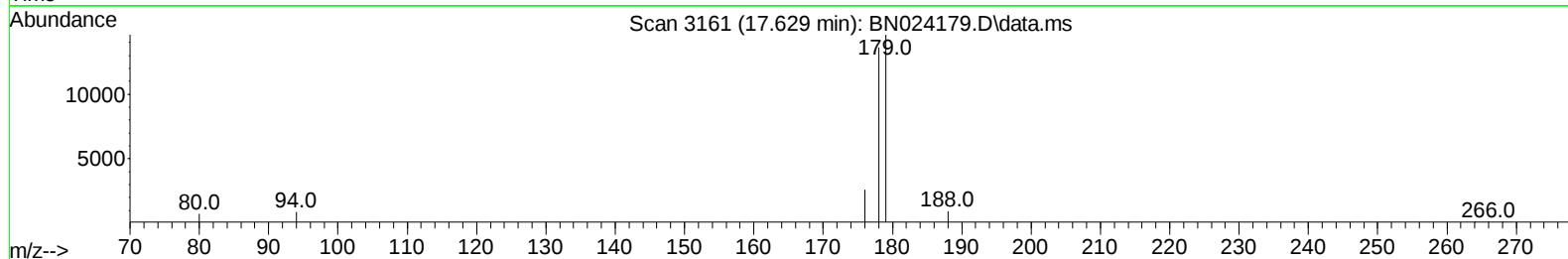
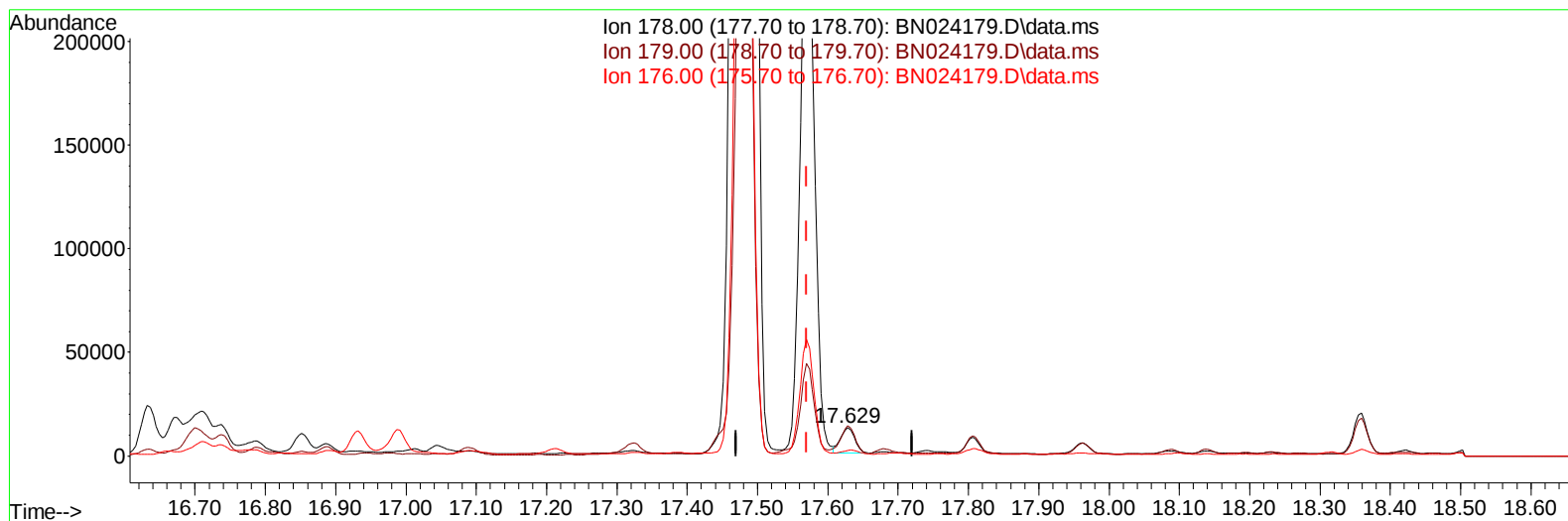
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030923\
Data File : BN024179.D
Acq On : 08 Mar 2023 22:22
Operator : CG/JU
Sample : 01746-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DCAC1

Manual IntegrationsAPPROVED

Quant Time: Mar 09 03:52:01 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN030923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 03:48:21 2023
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TIC: BN024179.D\data.ms

(16) Anthracene

17.629min (+ 0.059) 0.21 ng/u1

response 17268

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.40	107.28#
176.00	19.10	19.26
0.00	0.00	0.00

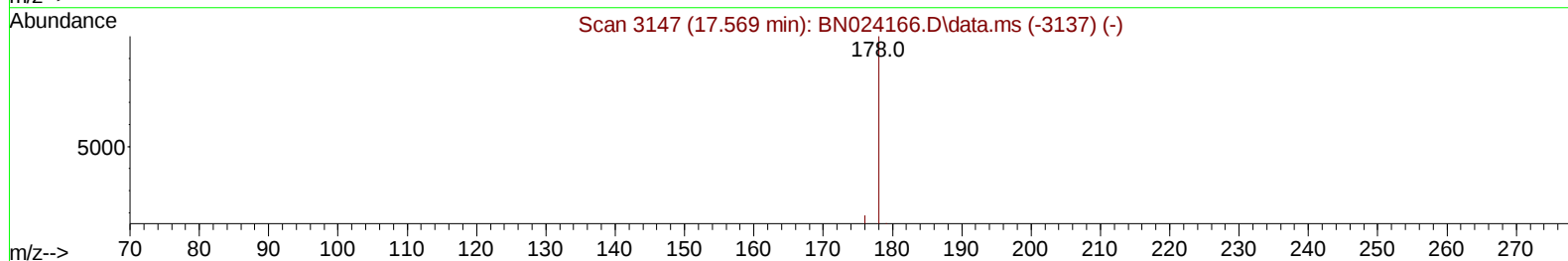
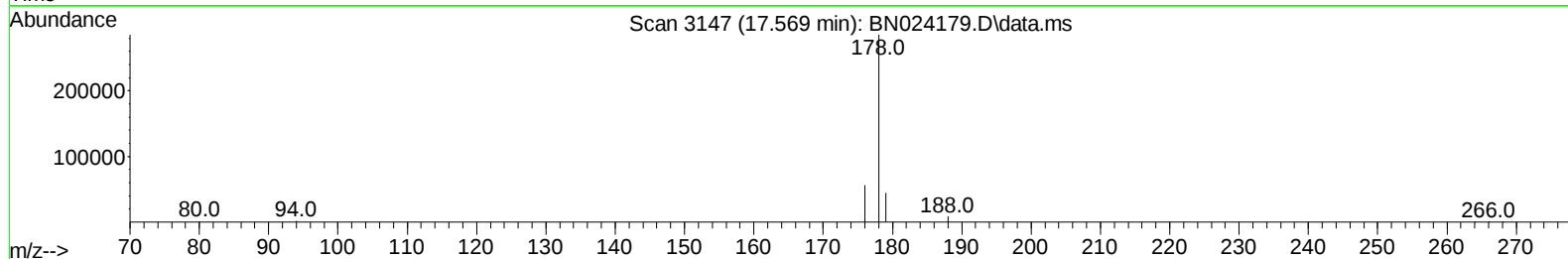
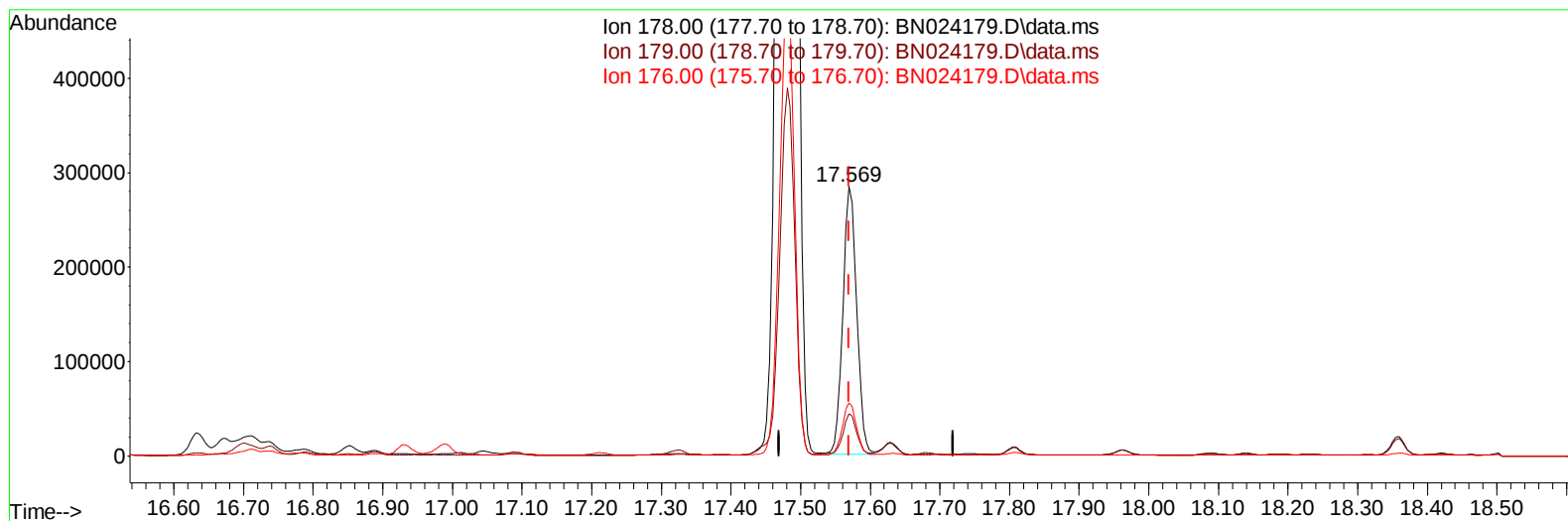
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030923\
Data File : BN024179.D
Acq On : 08 Mar 2023 22:22
Operator : CG/JU
Sample : 01746-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DCAC1

Manual IntegrationsAPPROVED

Quant Time: Mar 09 03:52:01 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN030923.M
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QLast Update : Thu Mar 09 03:48:21 2023
Response via : Initial Calibration

Reviewed By :Christian Giraldo 03/09/2023
Supervised By :Jagrut Upadhyay 03/09/2023



TIC: BN024179.D\data.ms

(16) Anthracene

17.569min (-0.000) 4.71 ng/ul m

response 388160

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.40	15.61
176.00	19.10	19.75
0.00	0.00	0.00

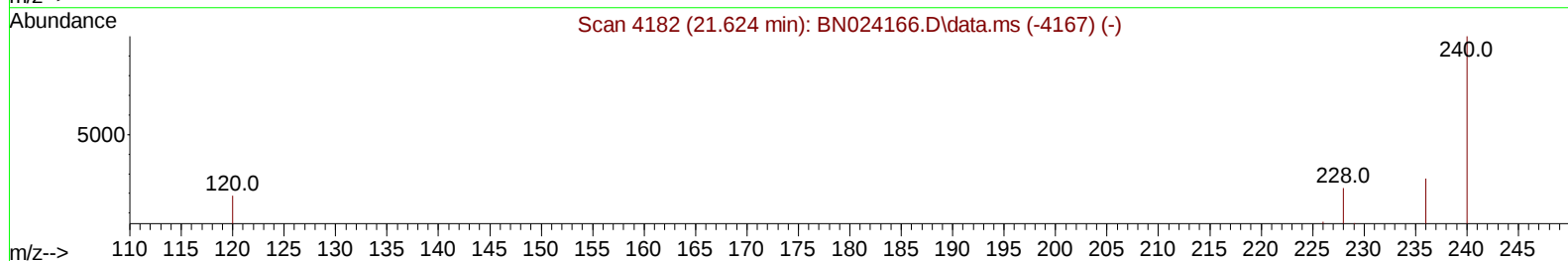
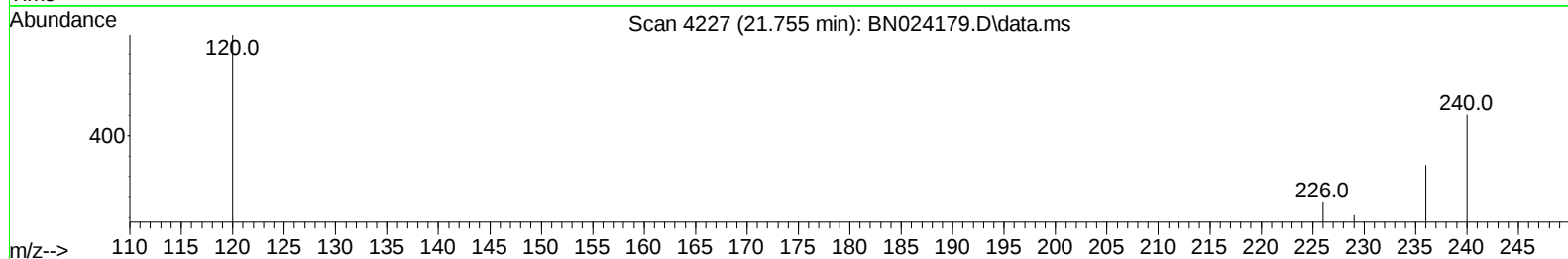
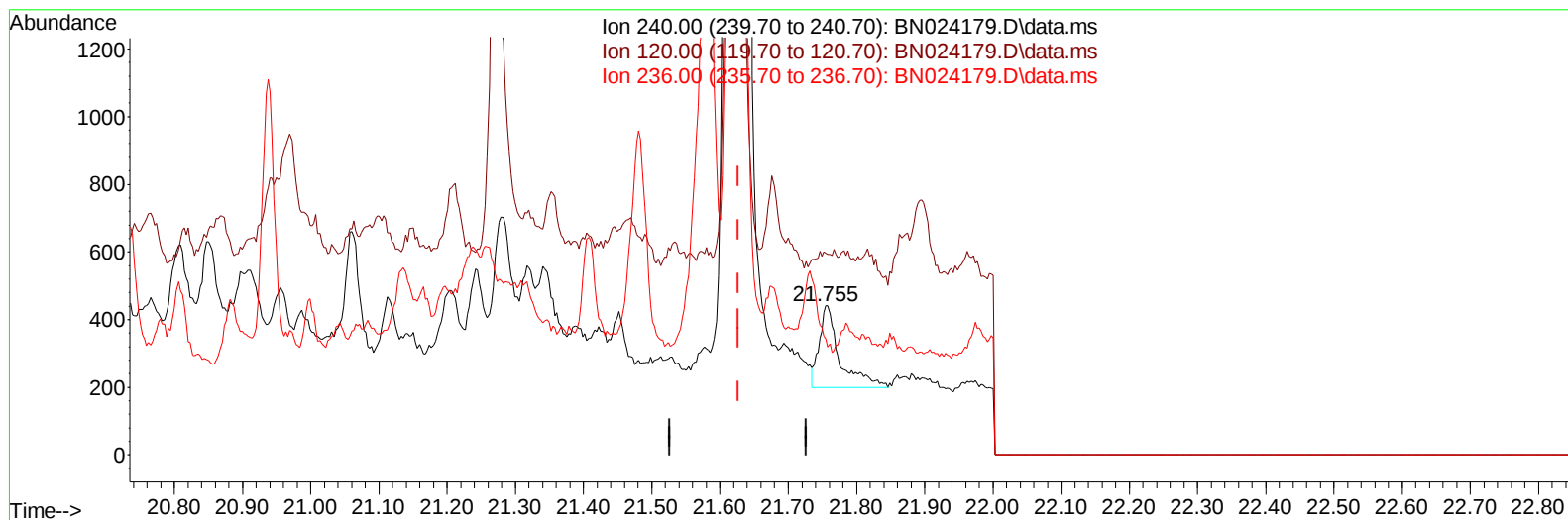
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030923\
Data File : BN024179.D
Acq On : 08 Mar 2023 22:22
Operator : CG/JU
Sample : 01746-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DCAC1

Manual IntegrationsAPPROVED

Quant Time: Mar 09 03:52:01 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN030923.M
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TIC: BN024179.D\data.ms

(17) Chrysene-d12

21.755min (+ 0.128) 0.40 ng/u1

response 510

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	20.10	135.37#
236.00	28.10	77.78#
0.00	0.00	0.00

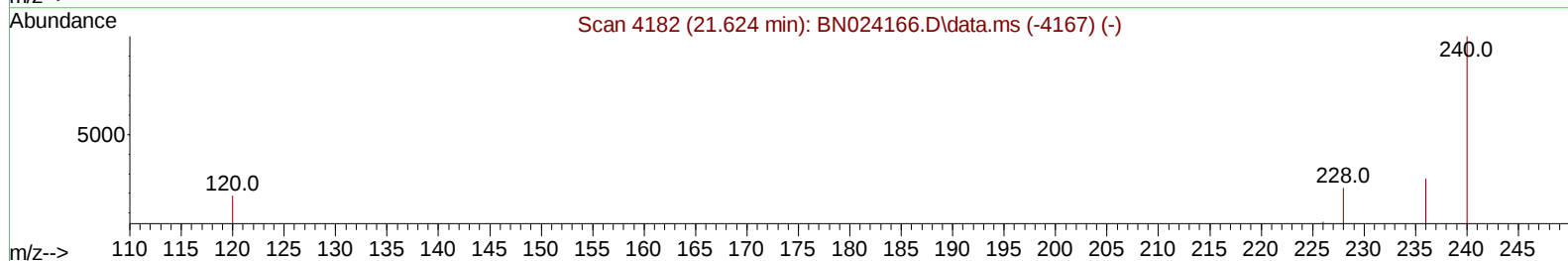
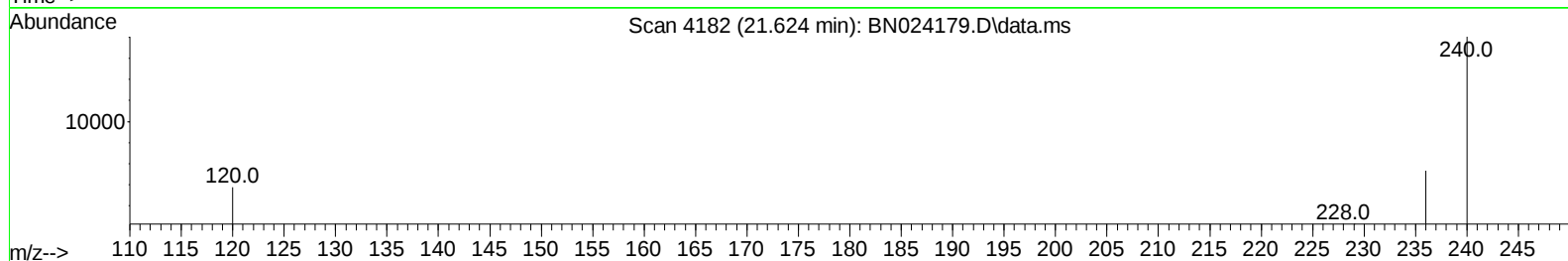
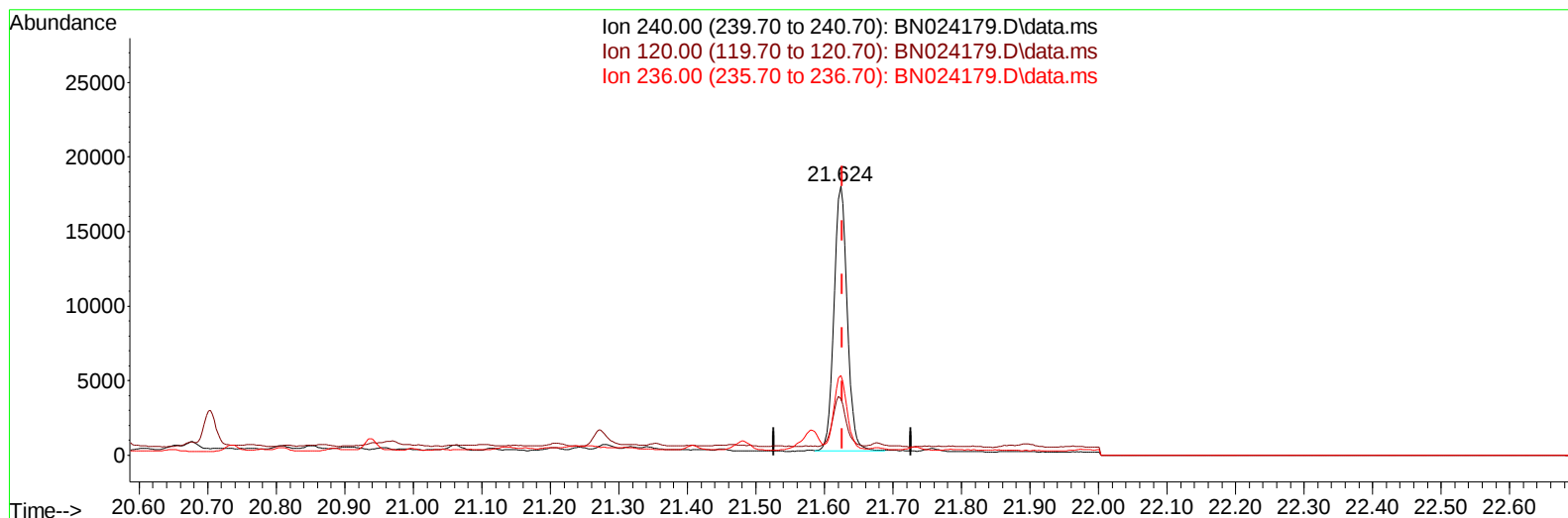
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030923\
 Data File : BN024179.D
 Acq On : 08 Mar 2023 22:22
 Operator : CG/JU
 Sample : 01746-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DCAC1

Manual IntegrationsAPPROVED

Quant Time: Mar 09 03:52:01 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN030923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 09 03:48:21 2023
 Response via : Initial Calibration

Reviewed By :Christian Giraldo 03/09/2023
 Supervised By :Jagrut Upadhyay 03/09/2023



TIC: BN024179.D\data.ms

(17) Chrysene-d12

21.624min (-0.003) 0.40 ng/ul m

response 23736

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	20.10	20.78
236.00	28.10	29.59
0.00	0.00	0.00

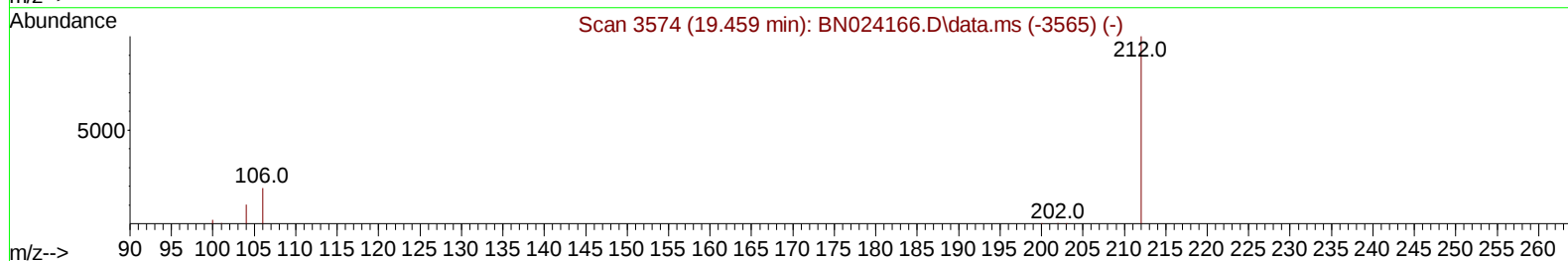
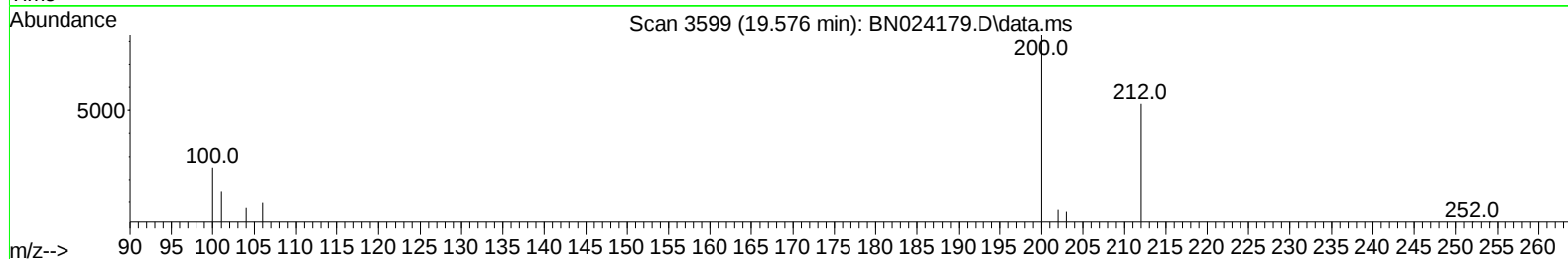
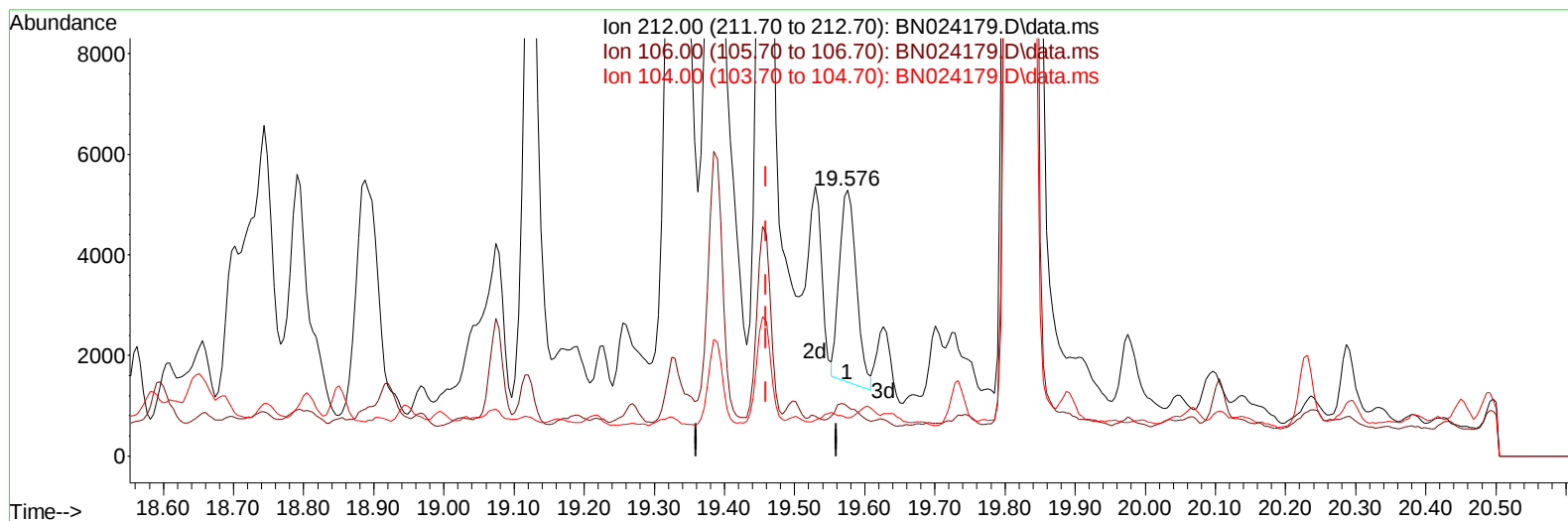
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030923\
 Data File : BN024179.D
 Acq On : 08 Mar 2023 22:22
 Operator : CG/JU
 Sample : 01746-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DCAC1

Manual IntegrationsAPPROVED

Quant Time: Mar 09 03:52:01 2023
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TIC: BN024179.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.576min (+ 0.116) 0.10 ng/u1

response 6424

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	0.00	13.09#
104.00	0.10	0.00#
0.00	0.00	0.00

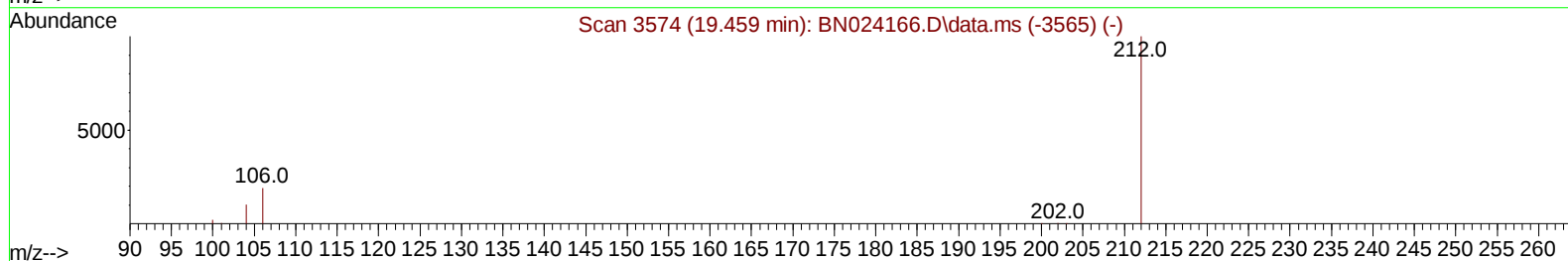
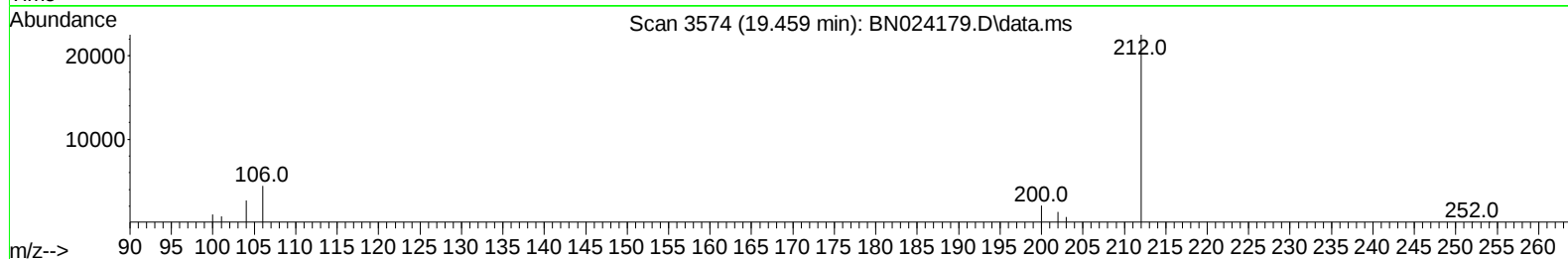
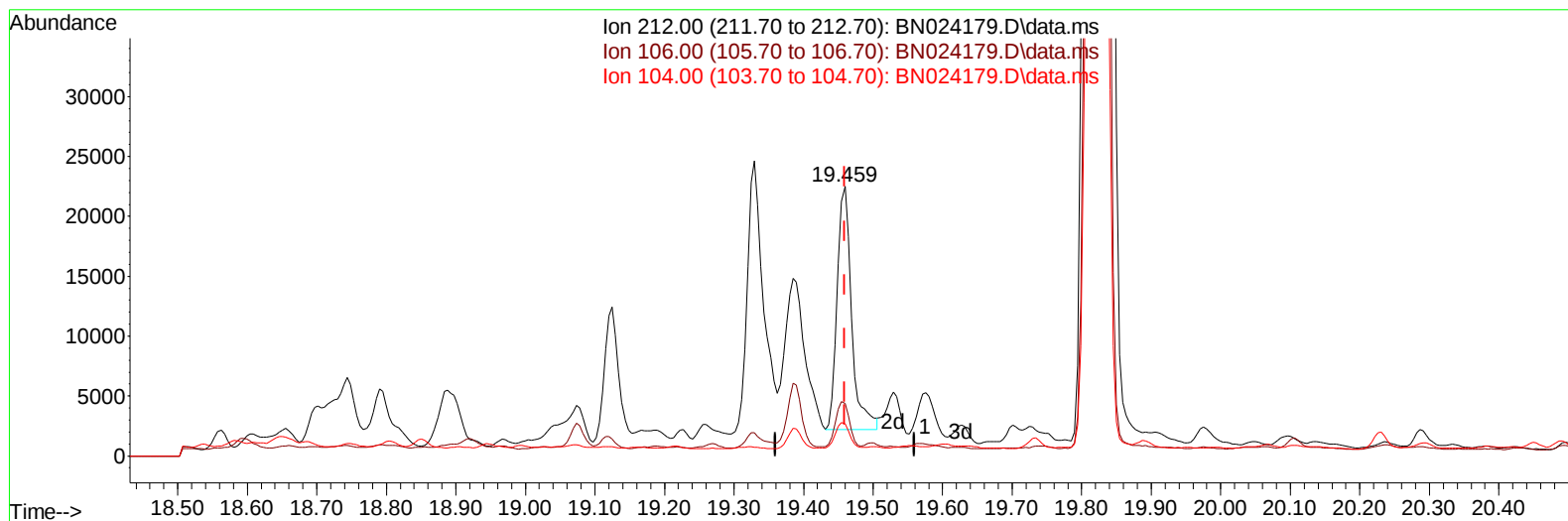
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030923\
 Data File : BN024179.D
 Acq On : 08 Mar 2023 22:22
 Operator : CG/JU
 Sample : 01746-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DCAC1

Manual IntegrationsAPPROVED

Quant Time: Mar 09 03:52:01 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN030923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 09 03:48:21 2023
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TIC: BN024179.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.459min (-0.000) 0.46 ng/u1 m

response 28988

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	0.00	2.90#
104.00	0.10	0.00#
0.00	0.00	0.00

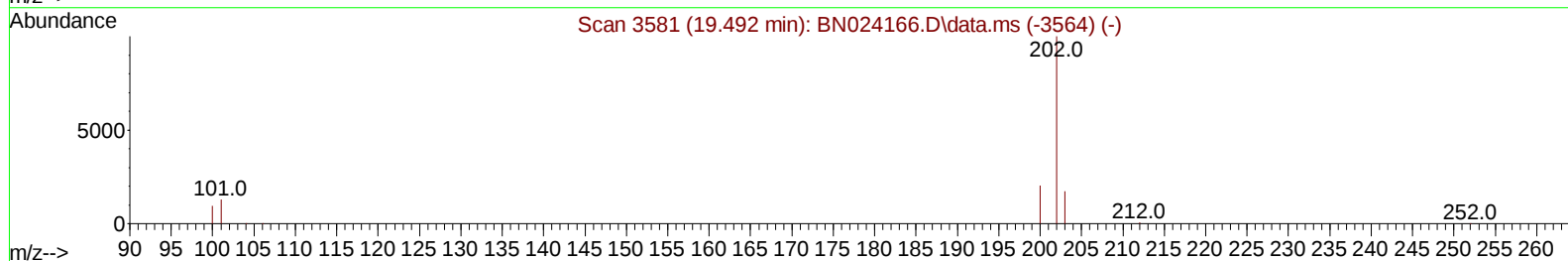
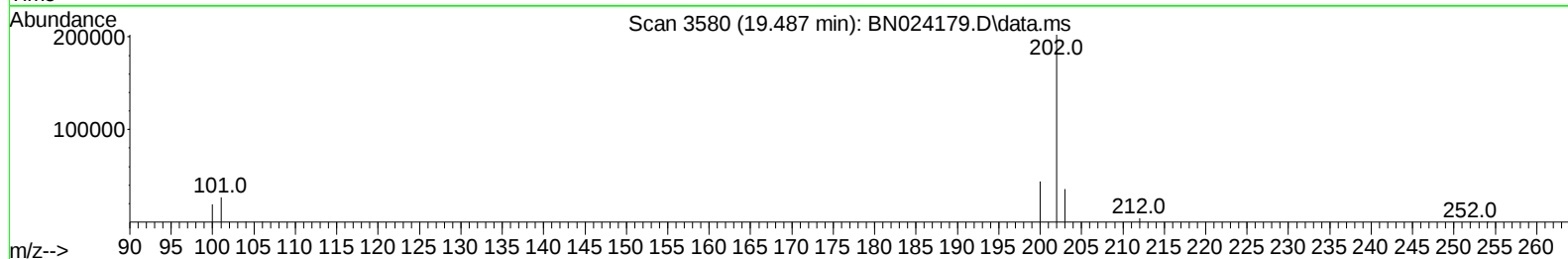
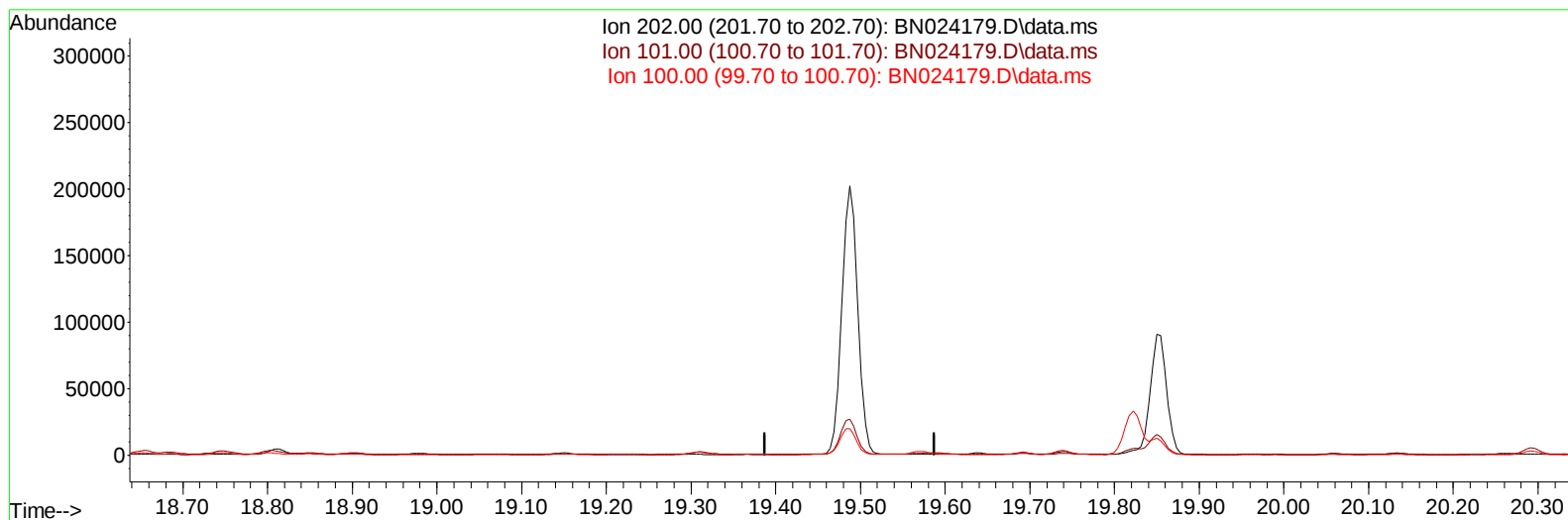
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030923\
 Data File : BN024179.D
 Acq On : 08 Mar 2023 22:22
 Operator : CG/JU
 Sample : 01746-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DCAC1

Manual IntegrationsAPPROVED

Quant Time: Mar 09 03:52:01 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN030923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 09 03:48:21 2023
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Reviewed By :Christian Giraldo 03/09/2023
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TIC: BN024179.D\data.ms

(19) Fluoranthene (C)

19.487min (-19.487) 0.00 ng/u1

response 0

Ion	Exp%	Act%
202.00	100.00	0.00
101.00	13.00	0.00#
100.00	9.60	0.00#
0.00	0.00	0.00

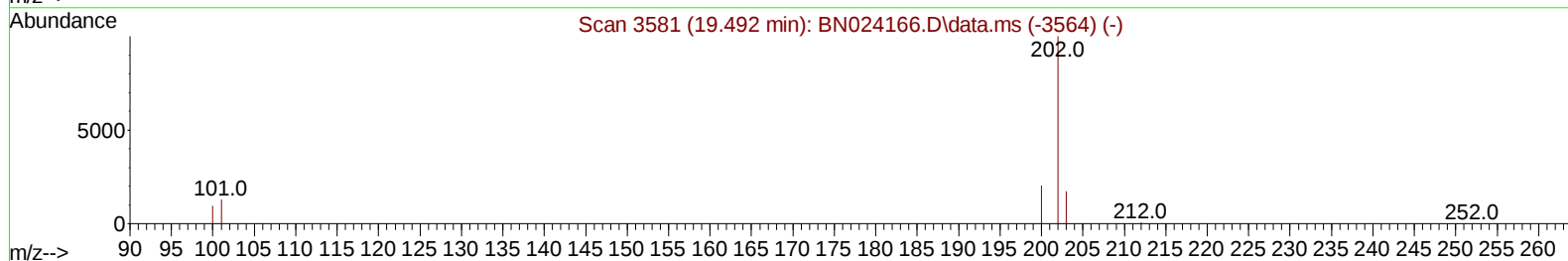
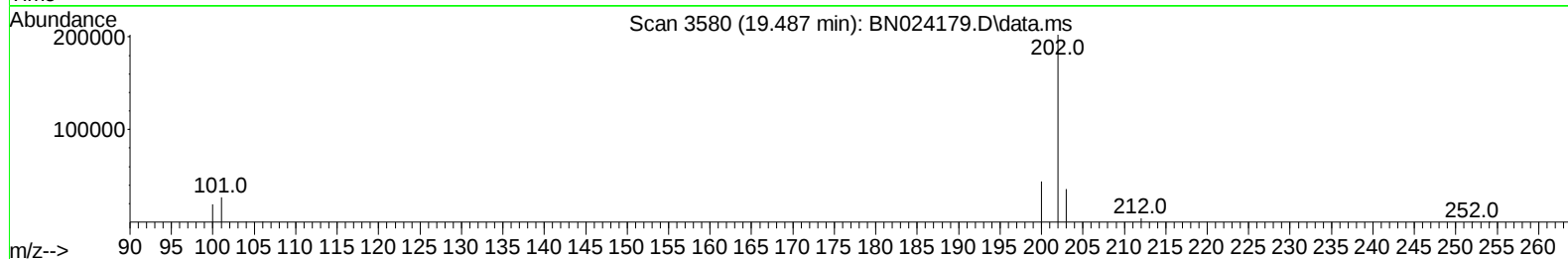
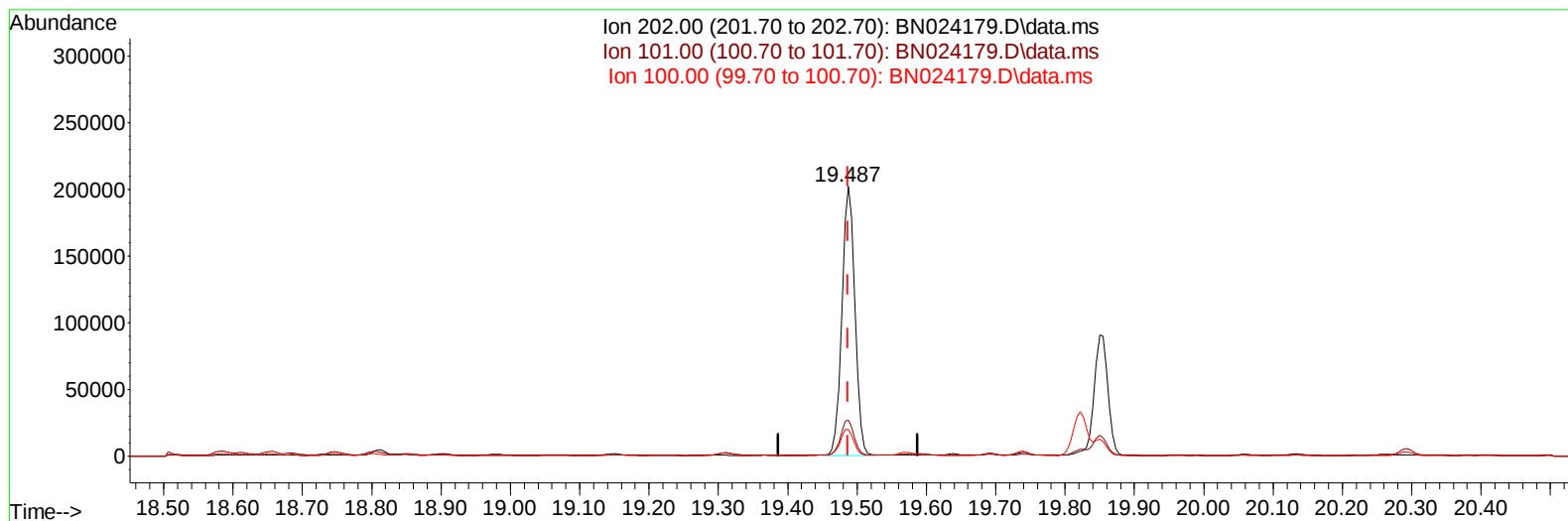
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030923\
Data File : BN024179.D
Acq On : 08 Mar 2023 22:22
Operator : CG/JU
Sample : 01746-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DCAC1

Manual IntegrationsAPPROVED

Quant Time: Mar 09 03:52:01 2023
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TIC: BN024179.D\data.ms

(19) Fluoranthene (C)

19.487min (-0.000) 2.80 ng/u1 m

response 264294

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	13.00	13.28
100.00	9.60	9.70
0.00	0.00	0.00

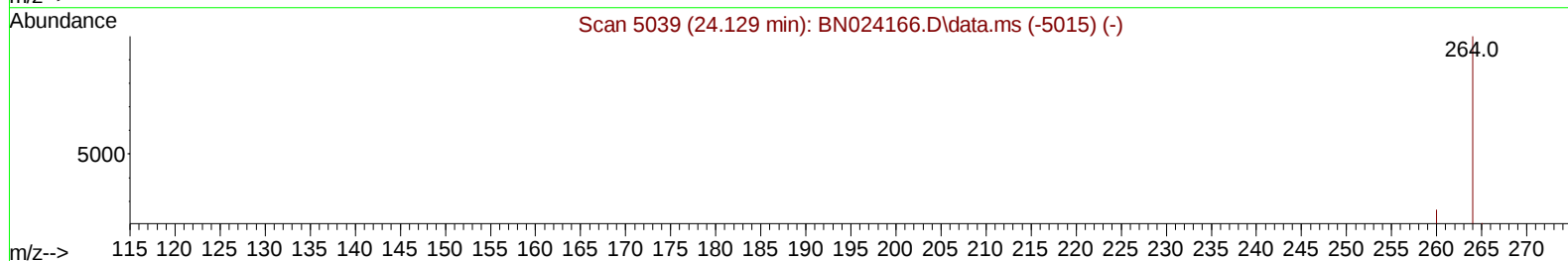
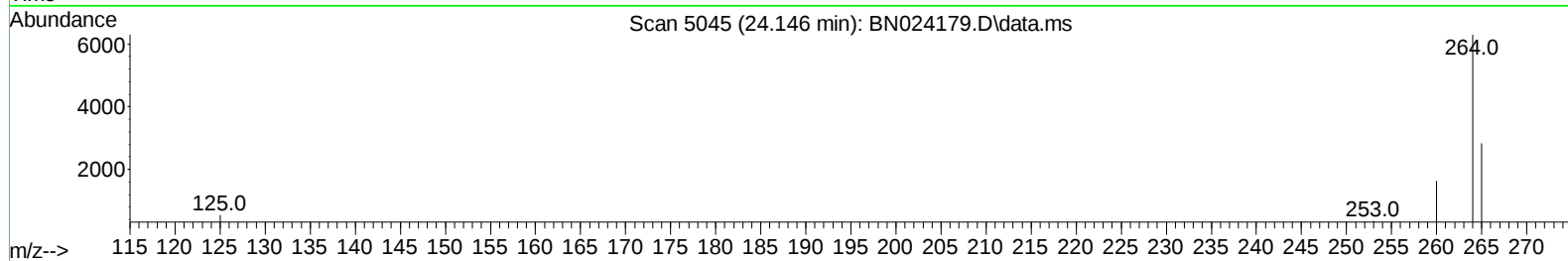
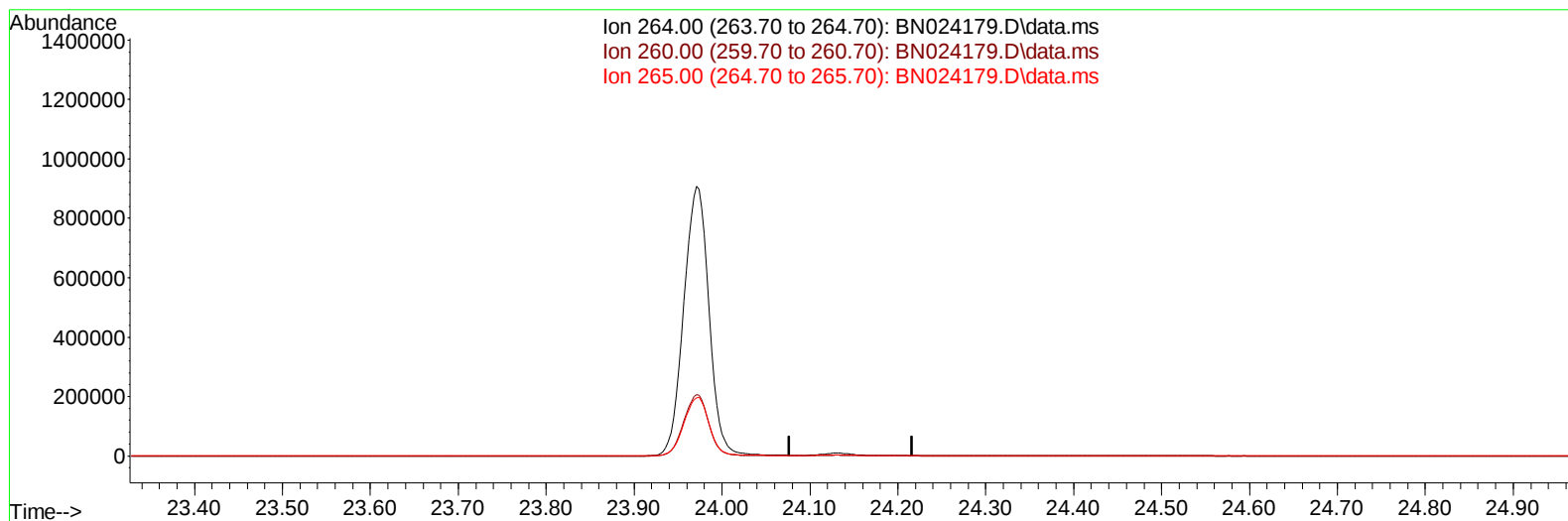
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030923\
Data File : BN024179.D
Acq On : 08 Mar 2023 22:22
Operator : CG/JU
Sample : 01746-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DCAC1

Manual IntegrationsAPPROVED

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TIC: BN024179.D\data.ms

(23) Perylene-d12 (I)

24.147min (-24.147) 0.00 ng/ul

response 0

Ion	Exp%	Act%
264.00	100.00	0.00
260.00	26.80	0.00#
265.00	38.30	0.00#
0.00	0.00	0.00

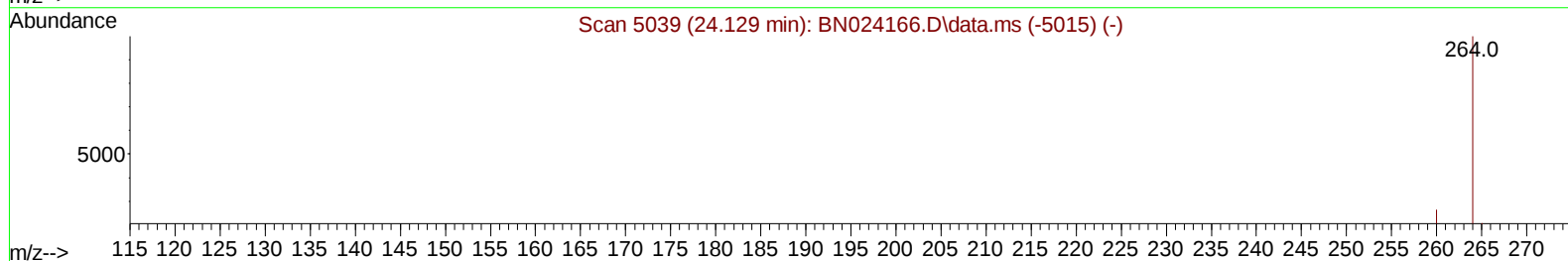
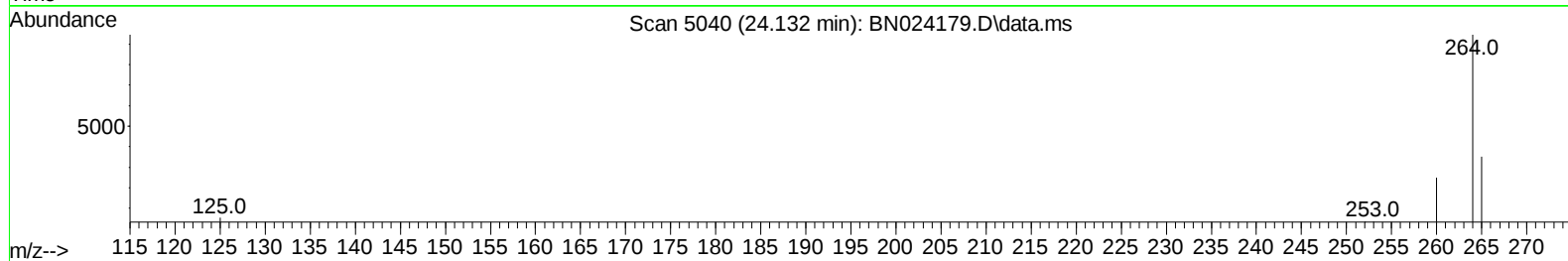
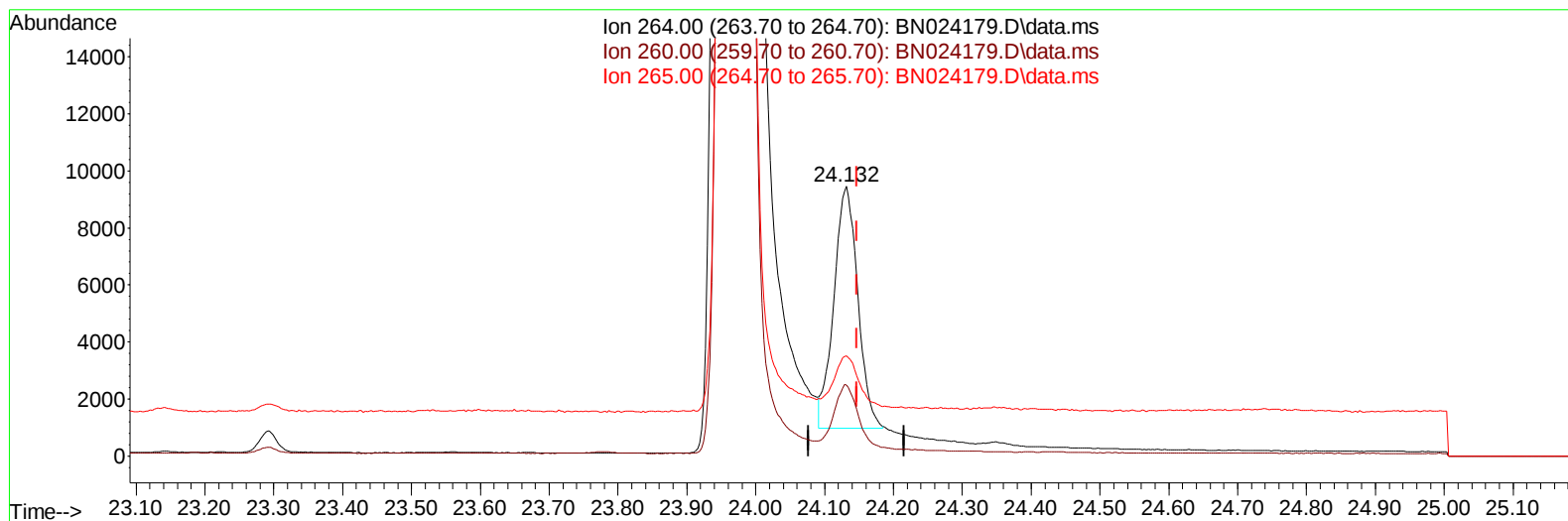
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030923\
 Data File : BN024179.D
 Acq On : 08 Mar 2023 22:22
 Operator : CG/JU
 Sample : 01746-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BN024179.D\data.ms

(23) Perylene-d12 (I)

24.132min (-0.015) 0.40 ng/ul m

response 20504

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.80	26.41
265.00	38.30	37.10
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030923\
 Data File : BN024179.D
 Acq On : 08 Mar 2023 22:22
 Operator : CG/JU
 Sample : 01746-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DCAC1

Manual IntegrationsAPPROVED

Reviewed By :Christian Giraldo 03/09/2023
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Quant Time: Mar 09 03:52:01 2023
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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.059	152		8673	0.400	ng/ul	0.00
4) Naphthalene-d8	10.894	136		26543	0.400	ng/ul	# 0.02
9) Acenaphthene-d10	14.694	164		22619m	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.434	188		32798m	0.400	ng/ul	0.00
17) Chrysene-d12	21.624	240		23736m	0.400	ng/ul	0.00
23) Perylene-d12	24.132	264		20504m	0.400	ng/ul	-0.01
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.405	96		43411	4.548	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.456	152		13500	0.428	ng/ul	0.00
18) Fluoranthene-d10	19.459	212		28988m	0.459	ng/ul	0.00
Target Compounds							Qvalue
5) Naphthalene	10.955	128	35555184	536.657	ng/ul		95
7) 2-Methylnaphthalene	12.539	142	5197514	129.311	ng/ul		99
8) 1-Methylnaphthalene	12.753	142	4008952	94.906	ng/ul		99
10) Acenaphthylene	14.416	152	722864	7.659	ng/ul		98
11) Acenaphthene	14.763	153	5180778	71.255	ng/ul		97
12) Fluorene	15.744	166	3070366m	37.815	ng/ul		
14) Pentachlorophenol	17.084	266	466942m	51.257	ng/ul		
15) Phenanthrene	17.481	178	3699169m	39.379	ng/ul		
16) Anthracene	17.569	178	388160m	4.709	ng/ul		
19) Fluoranthene	19.487	202	264294m	2.798	ng/ul		
20) Pyrene	19.850	202	123568	1.289	ng/ul		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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