

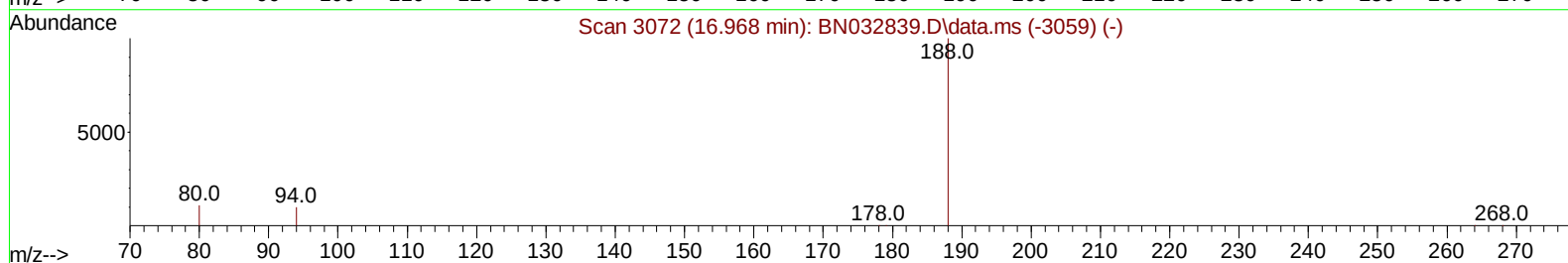
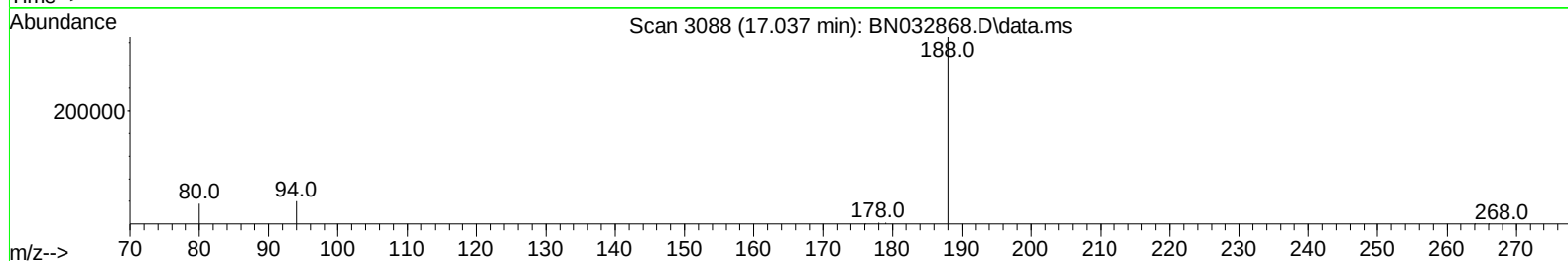
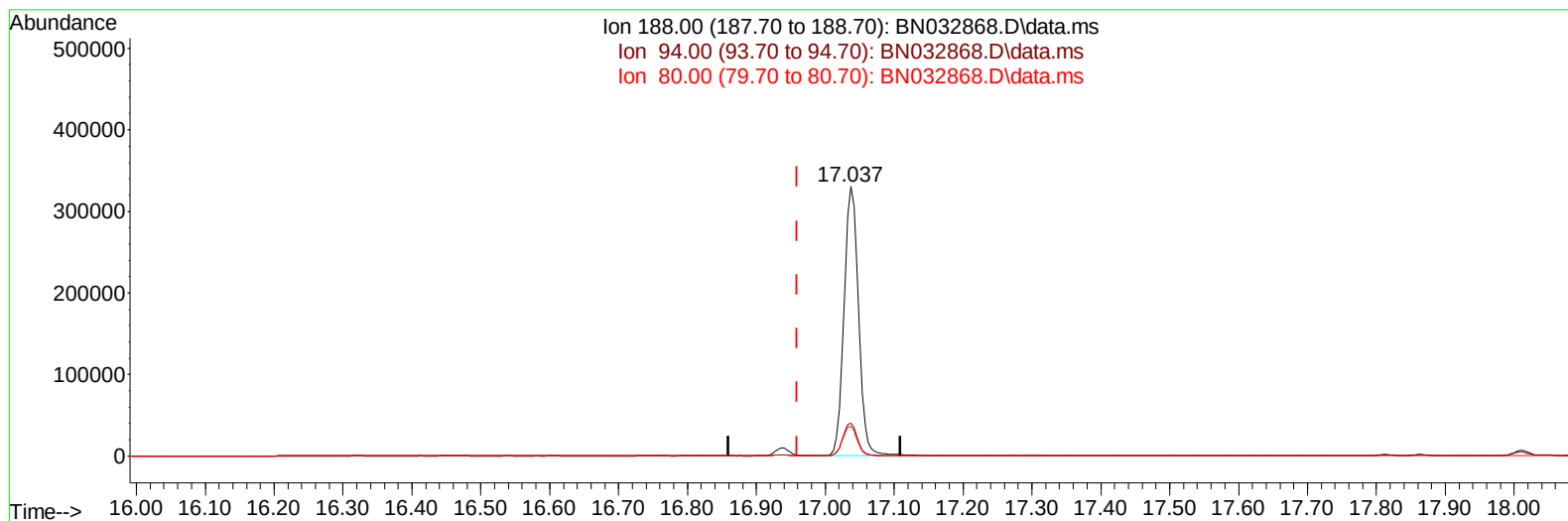
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032868.D
Acq On : 20 Jul 2024 08:03
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 21 22:43:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/22/2024
Supervised By :mohammad ahmed 07/22/2024



TIC: BN032868.D\data.ms

(13) Phenanthrene-d10 (I)

17.037min (+ 0.078) 0.40 ng/u1

response 479853

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	12.23
80.00	12.00	11.02
0.00	0.00	0.00

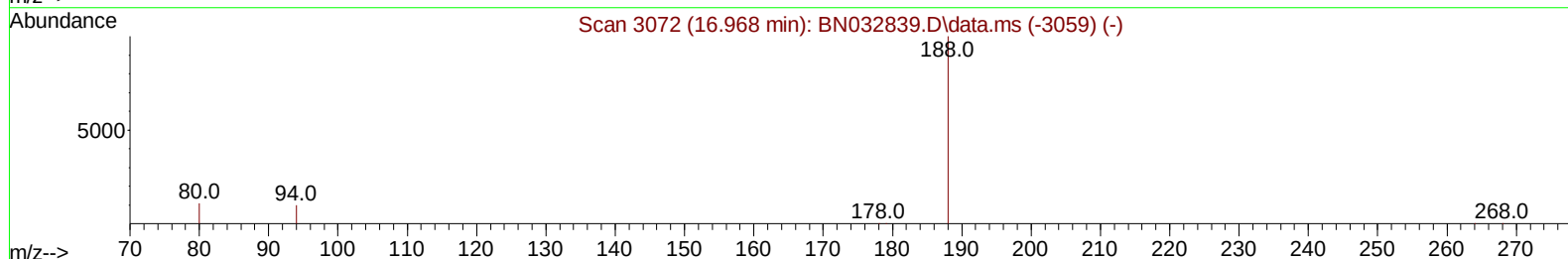
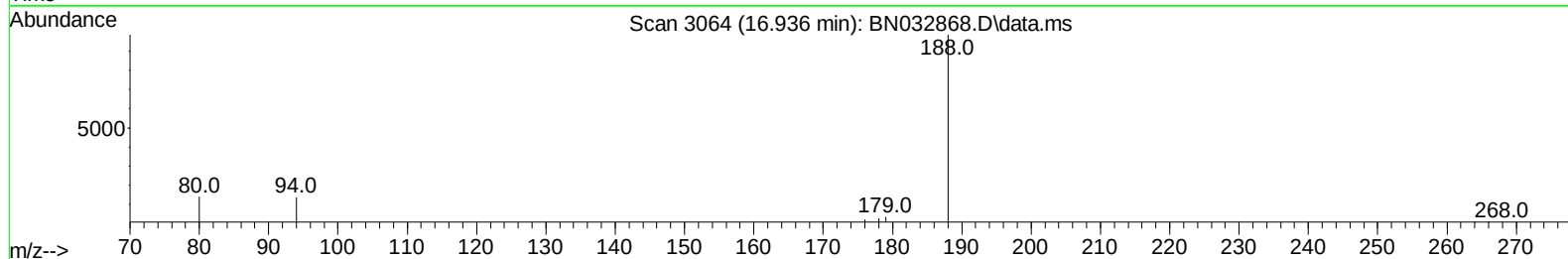
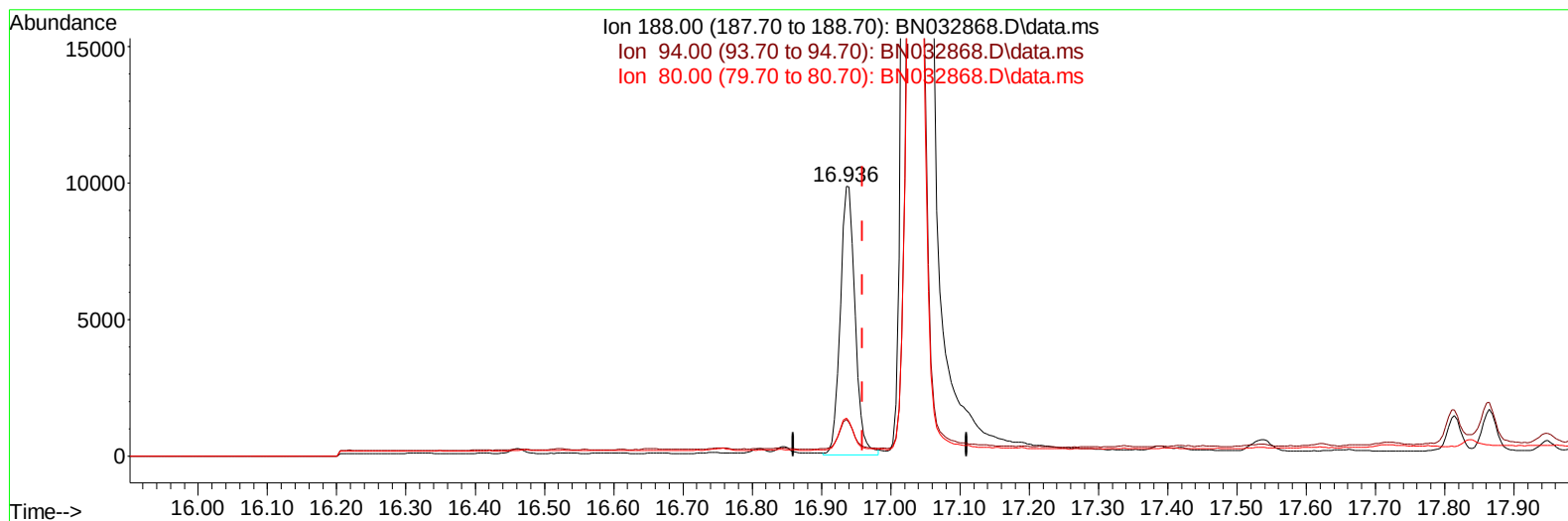
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032868.D
Acq On : 20 Jul 2024 08:03
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 21 22:43:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/22/2024
Supervised By :mohammad ahmed 07/22/2024



TIC: BN032868.D\data.ms

(13) Phenanthrene-d10 (I)

16.936min (-0.024) 0.40 ng/ul m

response 14608

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	13.65#
80.00	12.00	14.06
0.00	0.00	0.00

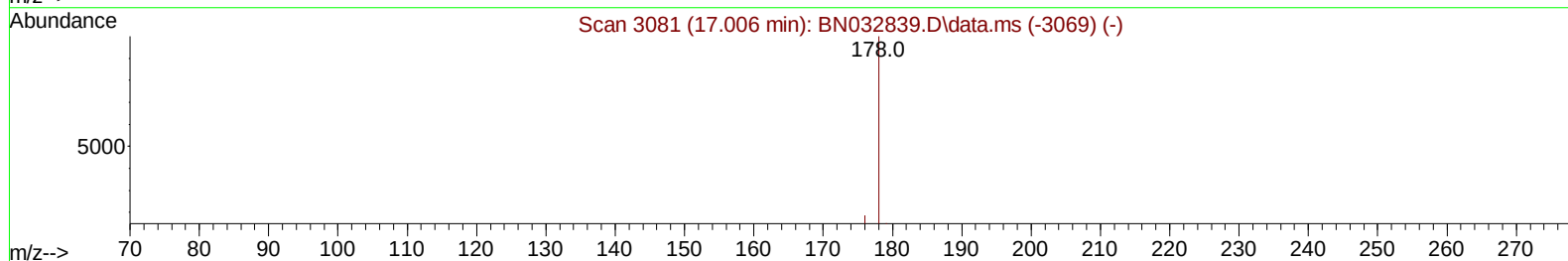
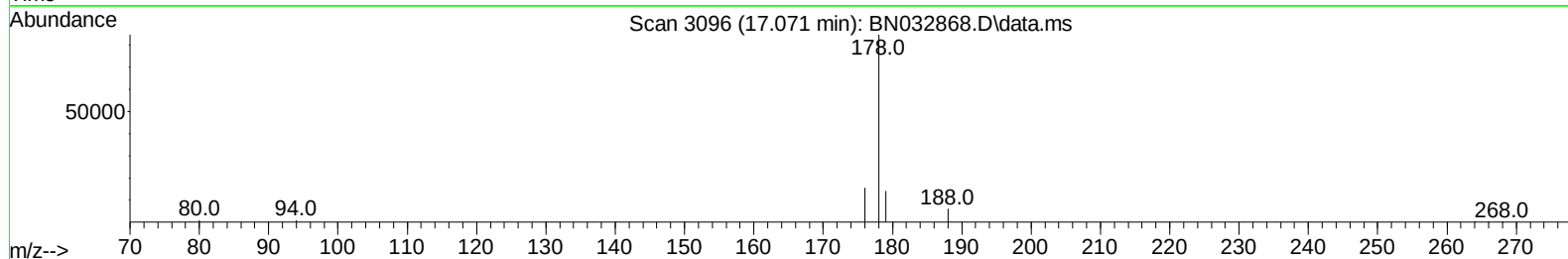
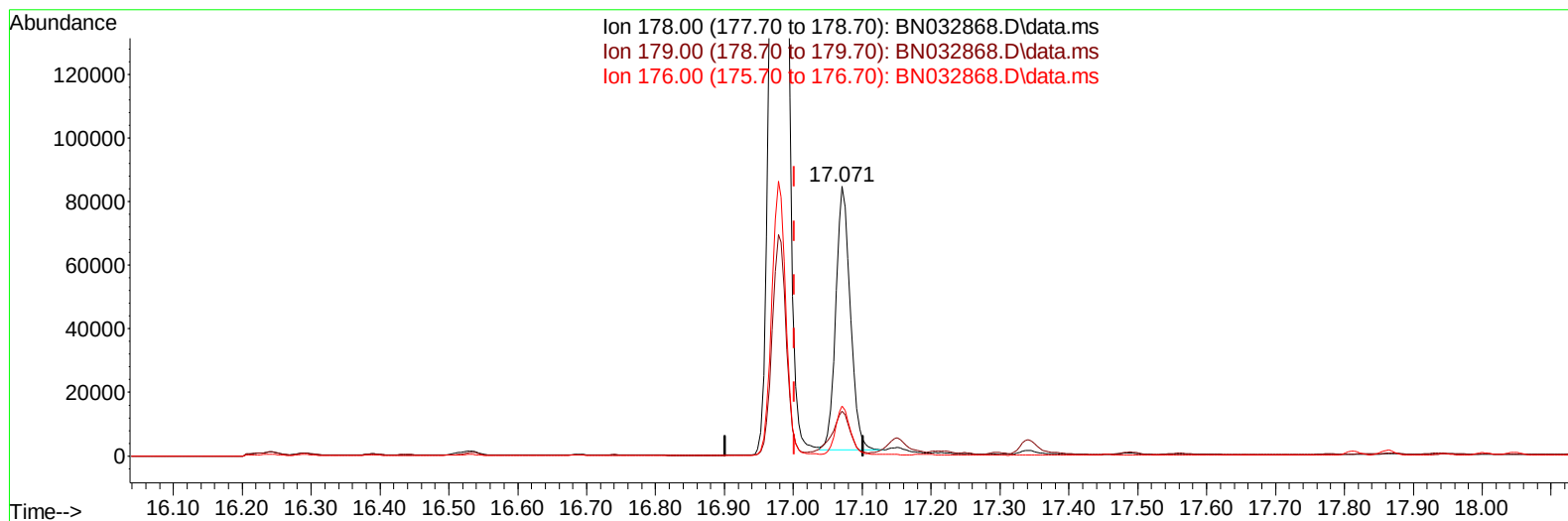
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032868.D
Acq On : 20 Jul 2024 08:03
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 21 22:43:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BN032868.D\data.ms

(15) Phenanthrene

17.071min (+ 0.069) 3.06 ng/u1

response 121801

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	16.56
176.00	19.50	18.47
0.00	0.00	0.00

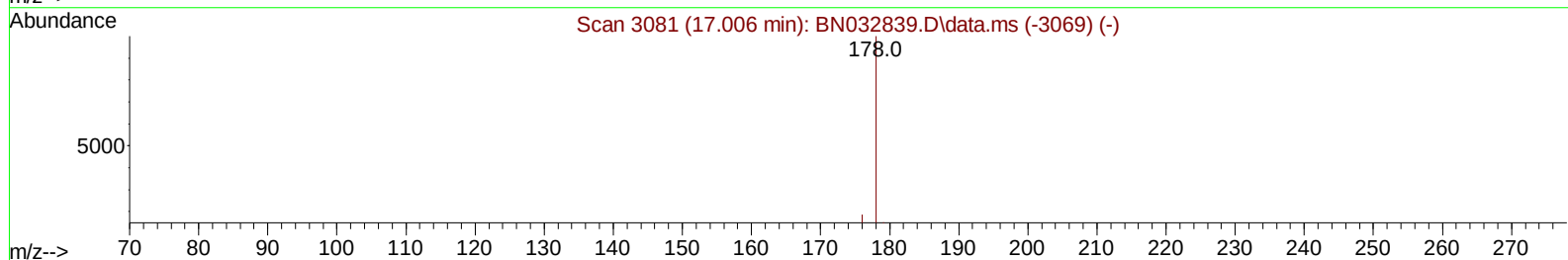
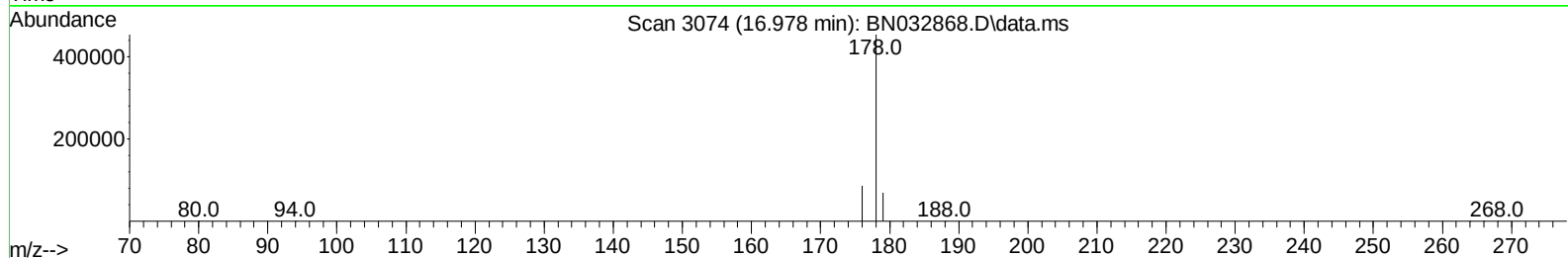
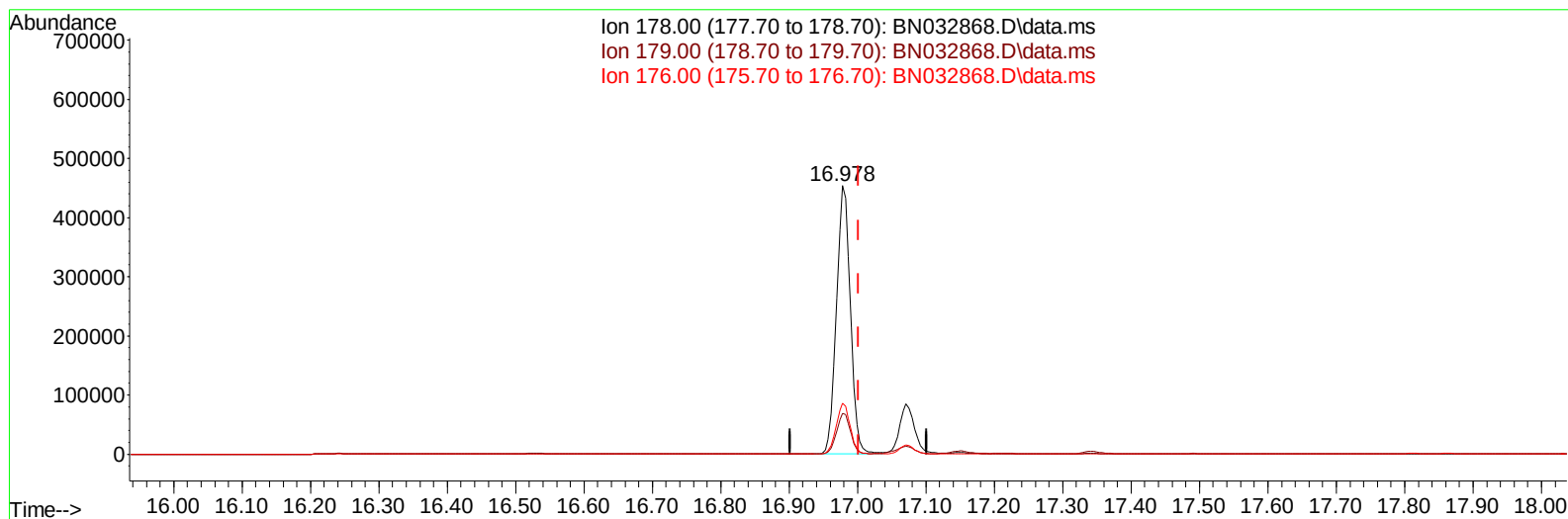
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032868.D
Acq On : 20 Jul 2024 08:03
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 21 22:43:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
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Reviewed By :Yogesh Patel 07/22/2024
Supervised By :mohammad ahmed 07/22/2024



TIC: BN032868.D\data.ms

(15) Phenanthrene

16.978min (-0.024) 16.22 ng/ul m

response 645396

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	15.33
176.00	19.50	19.03
0.00	0.00	0.00

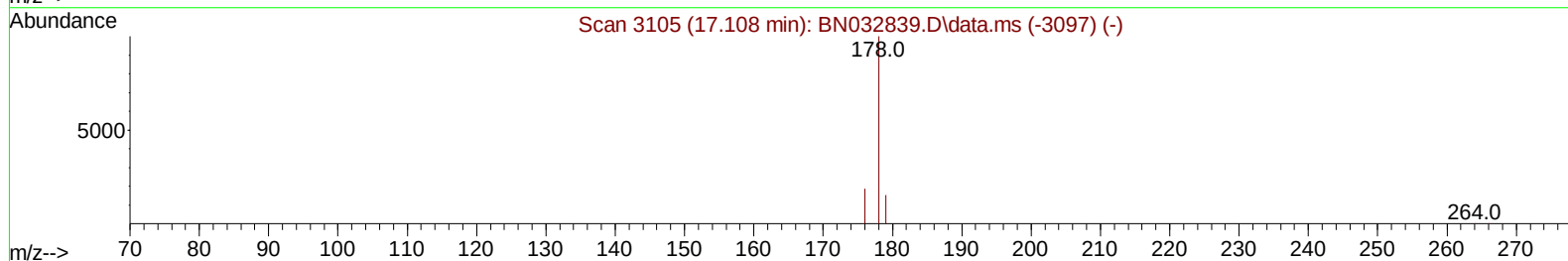
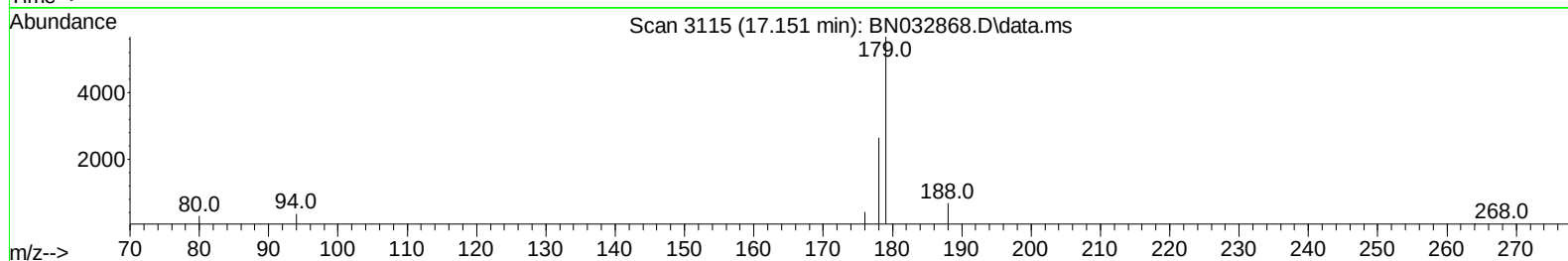
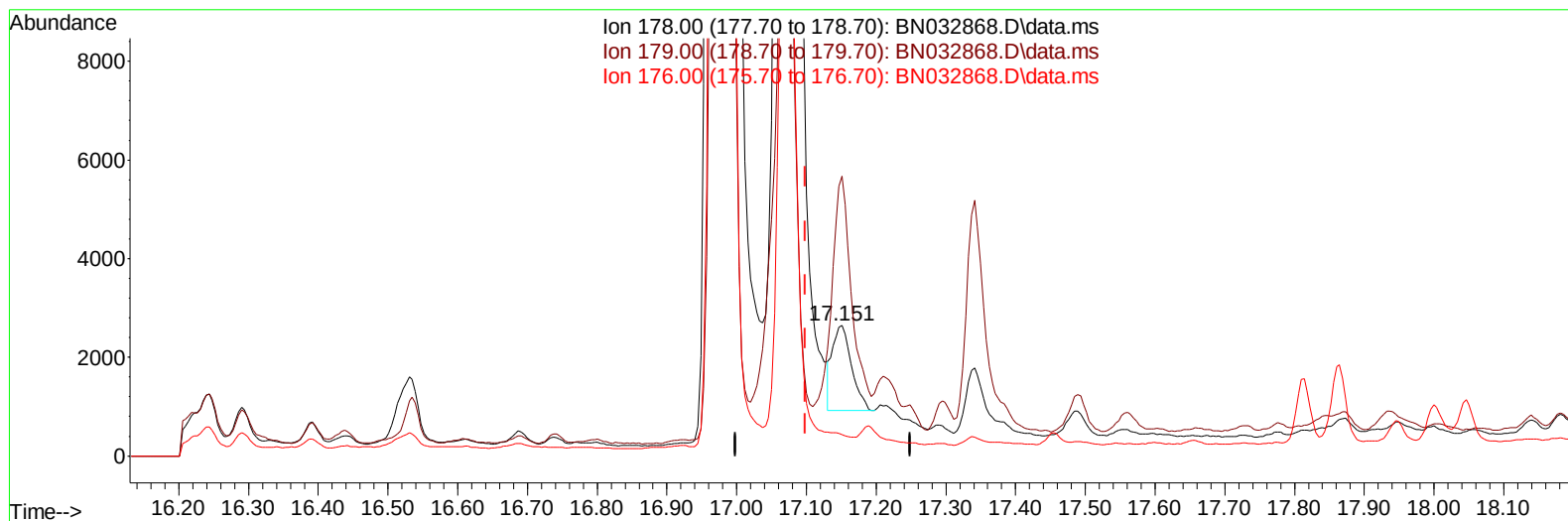
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032868.D
Acq On : 20 Jul 2024 08:03
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 21 22:43:08 2024
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QLast Update : Sat Jul 20 01:52:15 2024
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Supervised By :mohammad ahmed 07/22/2024



TIC: BN032868.D\data.ms

(16) Anthracene

17.151min (+ 0.052) 0.10 ng/u1

response 3316

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	214.25#
176.00	19.20	16.33
0.00	0.00	0.00

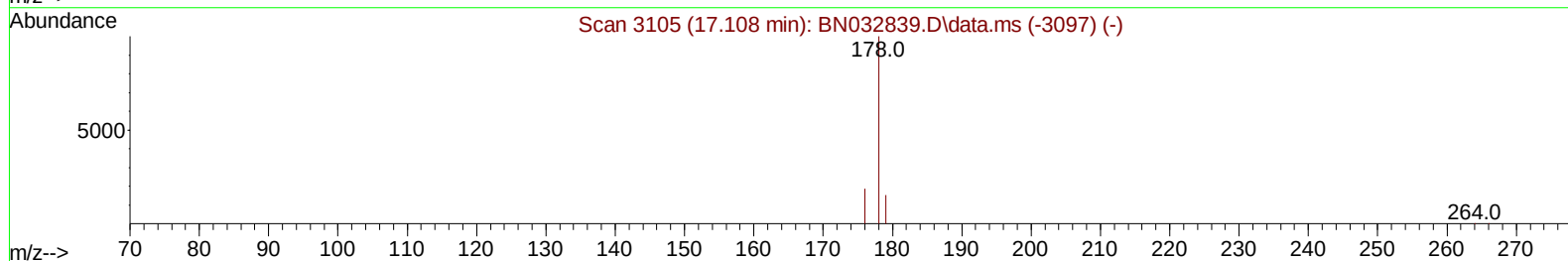
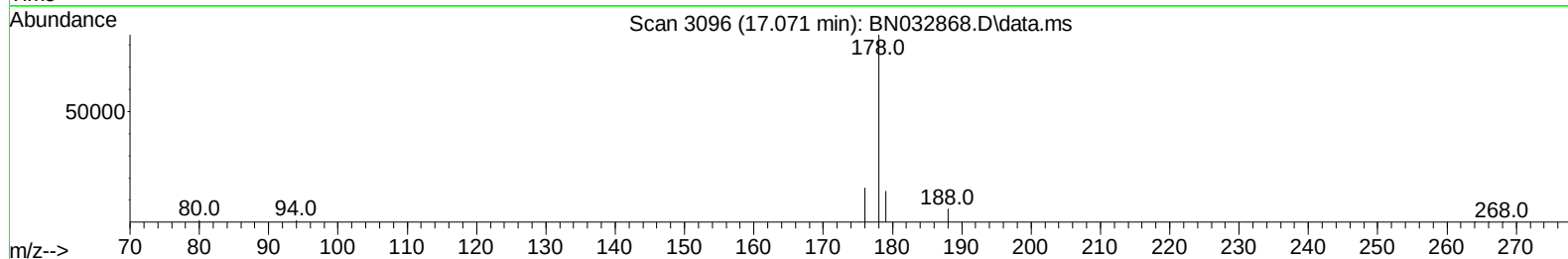
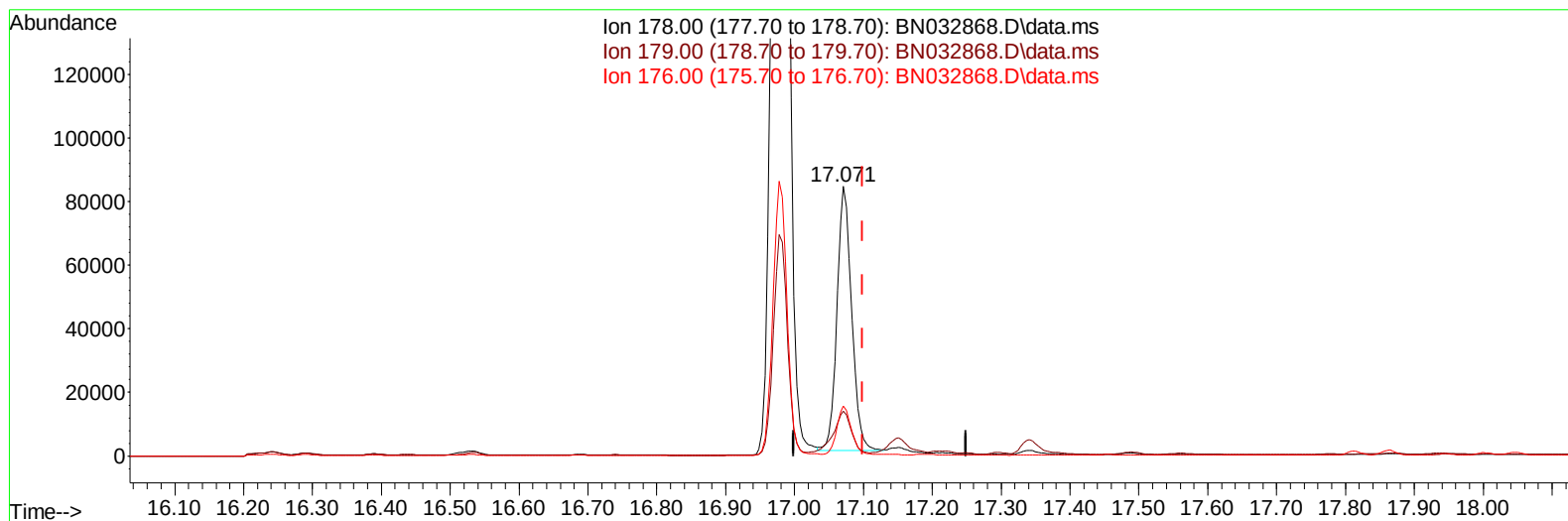
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032868.D
Acq On : 20 Jul 2024 08:03
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 21 22:43:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/22/2024
Supervised By :mohammad ahmed 07/22/2024



TIC: BN032868.D\data.ms

(16) Anthracene

17.071min (-0.028) 3.77 ng/ul m

response 122523

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	16.56
176.00	19.20	18.47
0.00	0.00	0.00

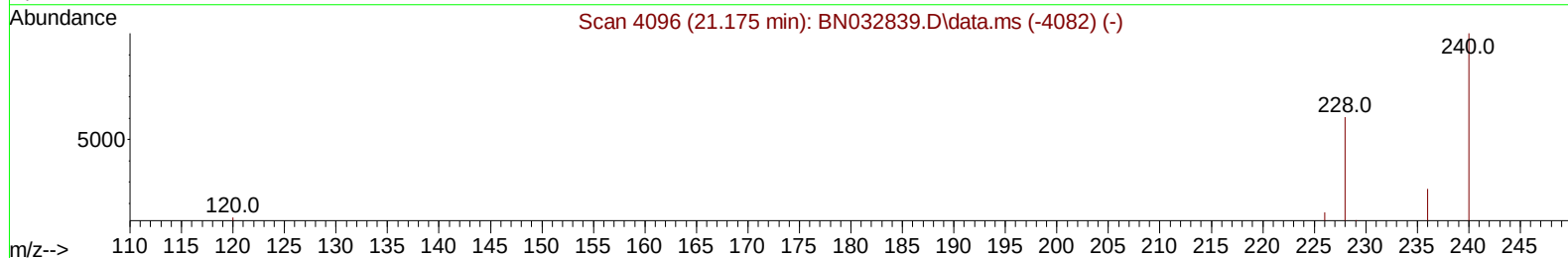
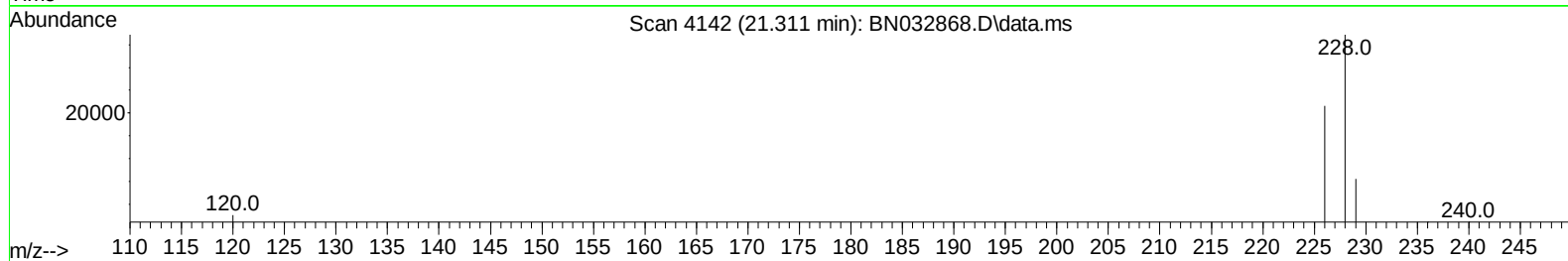
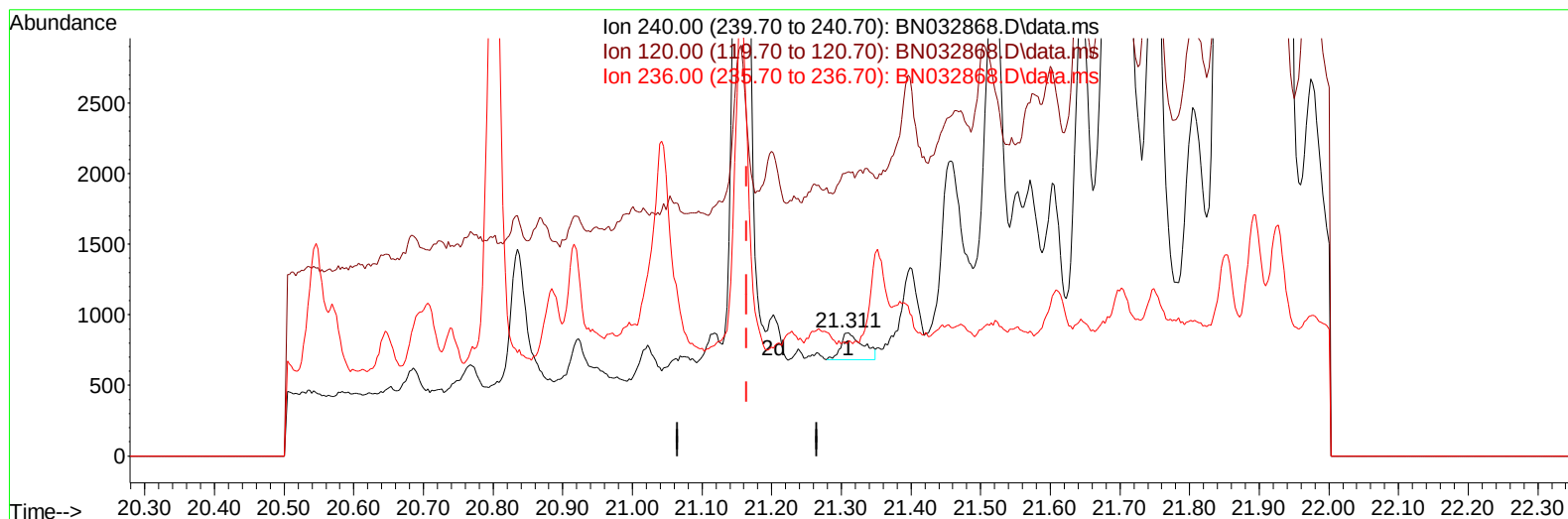
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032868.D
Acq On : 20 Jul 2024 08:03
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 21 22:43:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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TIC: BN032868.D\data.ms

(17) Chrysene-d12

21.311min (+ 0.146) 0.40 ng/u1

response 433

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.00	231.19#
236.00	28.40	93.46#
0.00	0.00	0.00

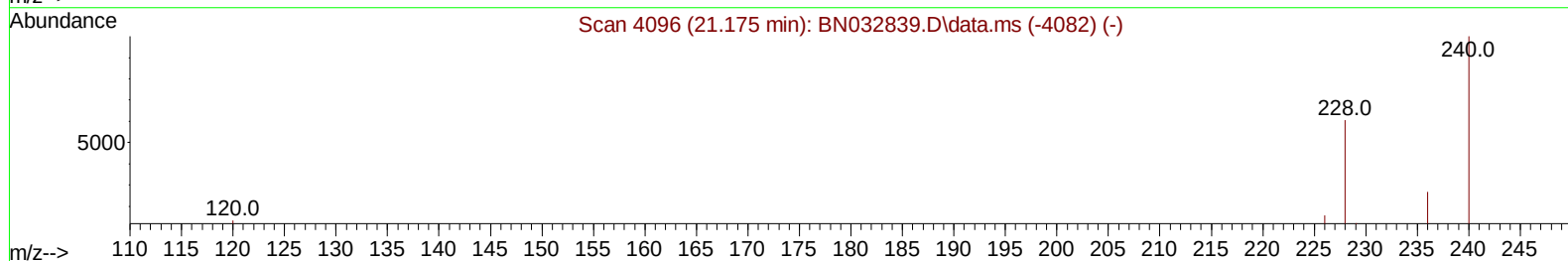
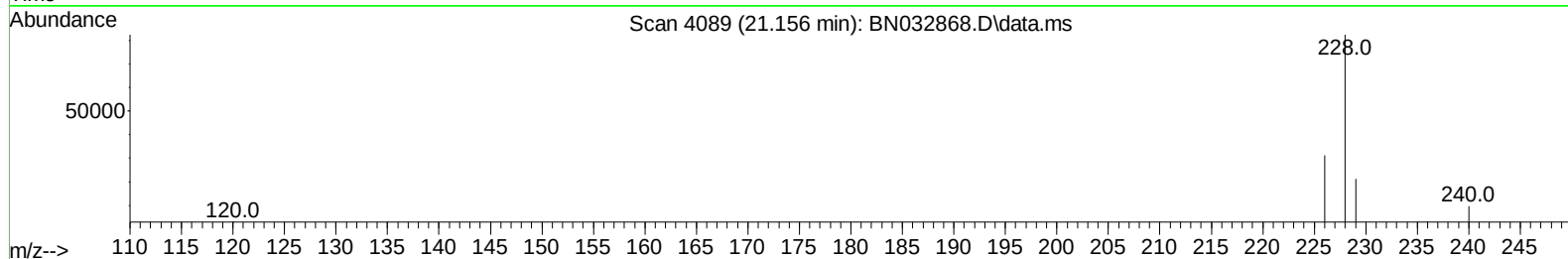
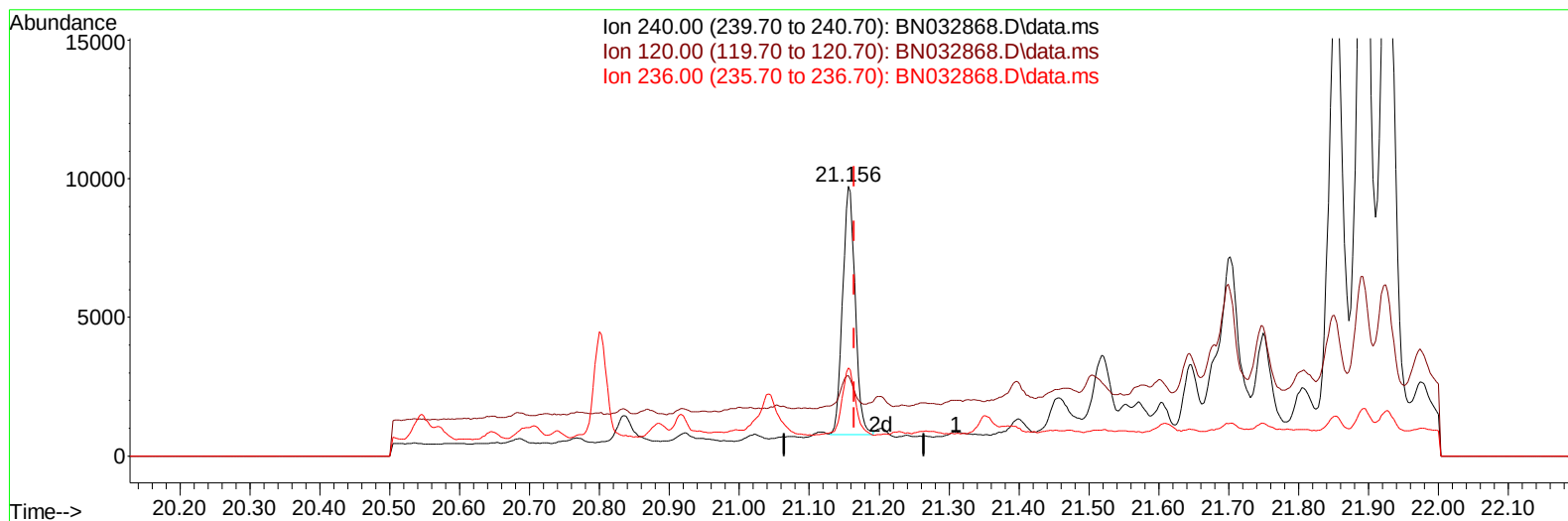
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032868.D
Acq On : 20 Jul 2024 08:03
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 21 22:43:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/22/2024
Supervised By :mohammad ahmed 07/22/2024



TIC: BN032868.D\data.ms

(17) Chrysene-d12

21.156min (-0.009) 0.40 ng/ul m

response 11176

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.00	29.91#
236.00	28.40	32.61
0.00	0.00	0.00

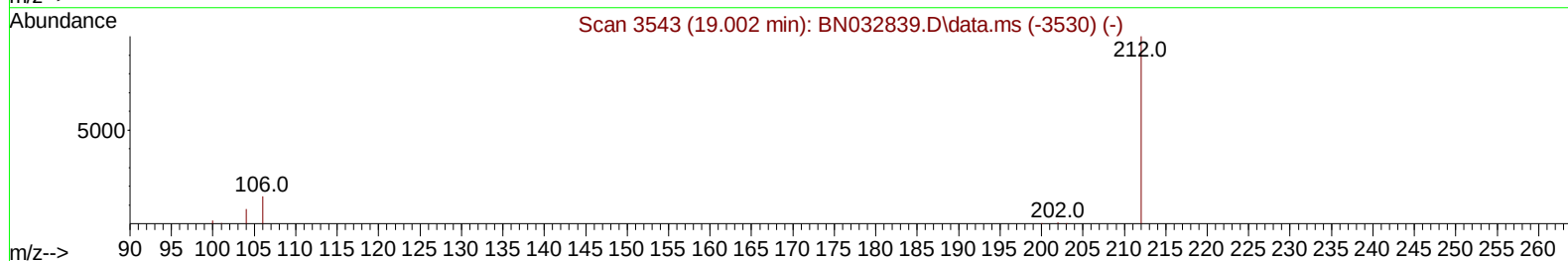
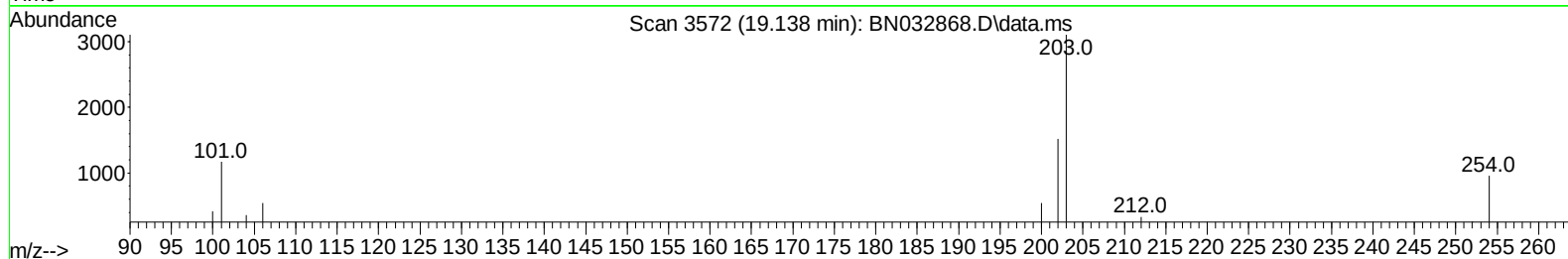
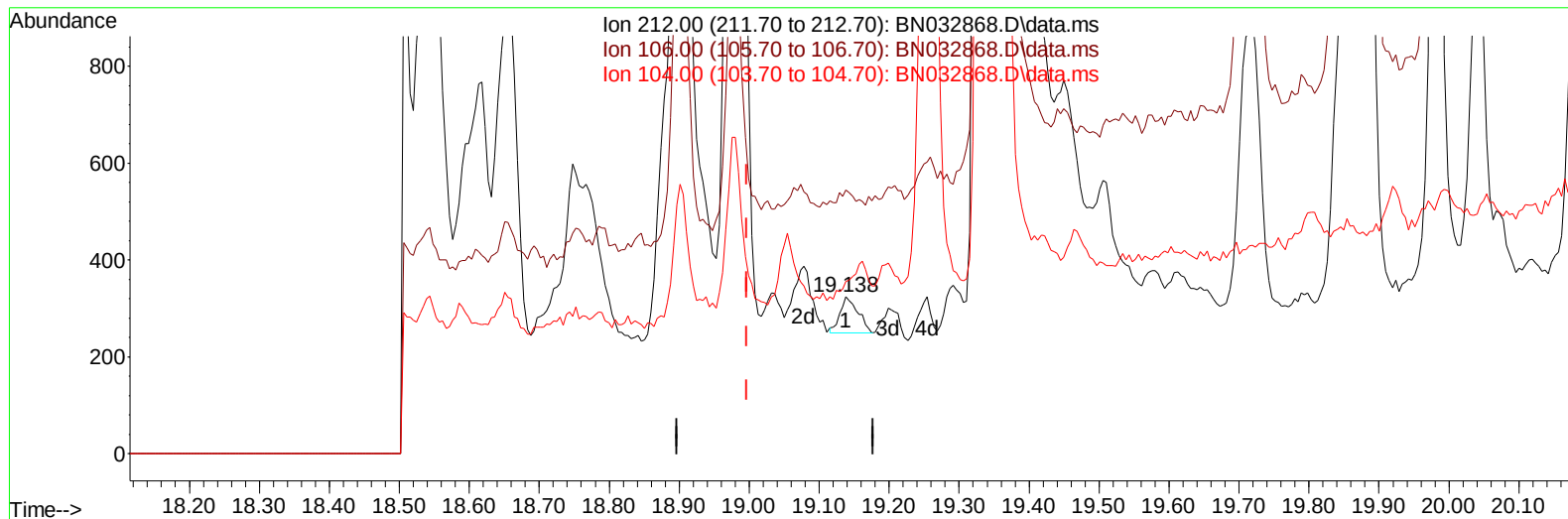
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032868.D
Acq On : 20 Jul 2024 08:03
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 21 22:43:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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TIC: BN032868.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.138min (+ 0.141) 0.00 ng/u1

response 130

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	15.10	50.77#
104.00	9.00	0.00#
0.00	0.00	0.00

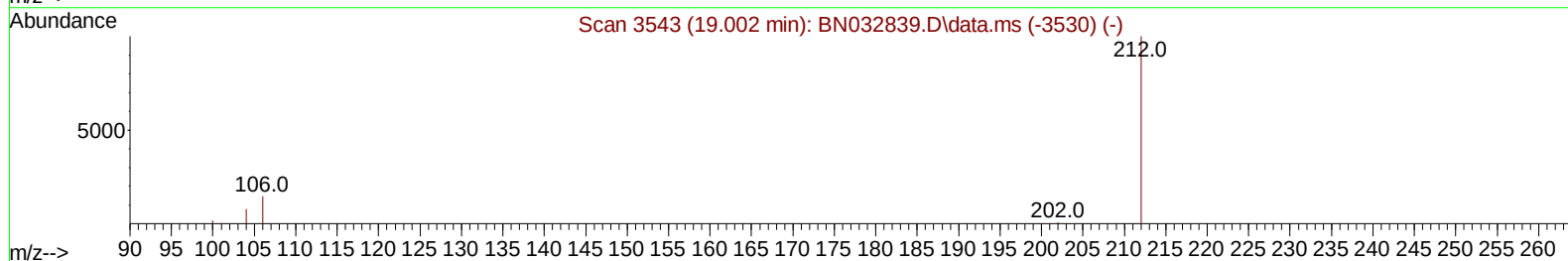
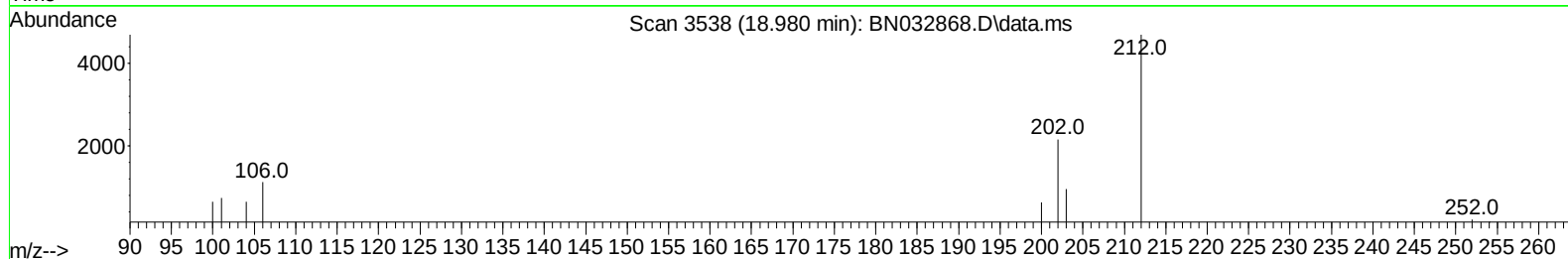
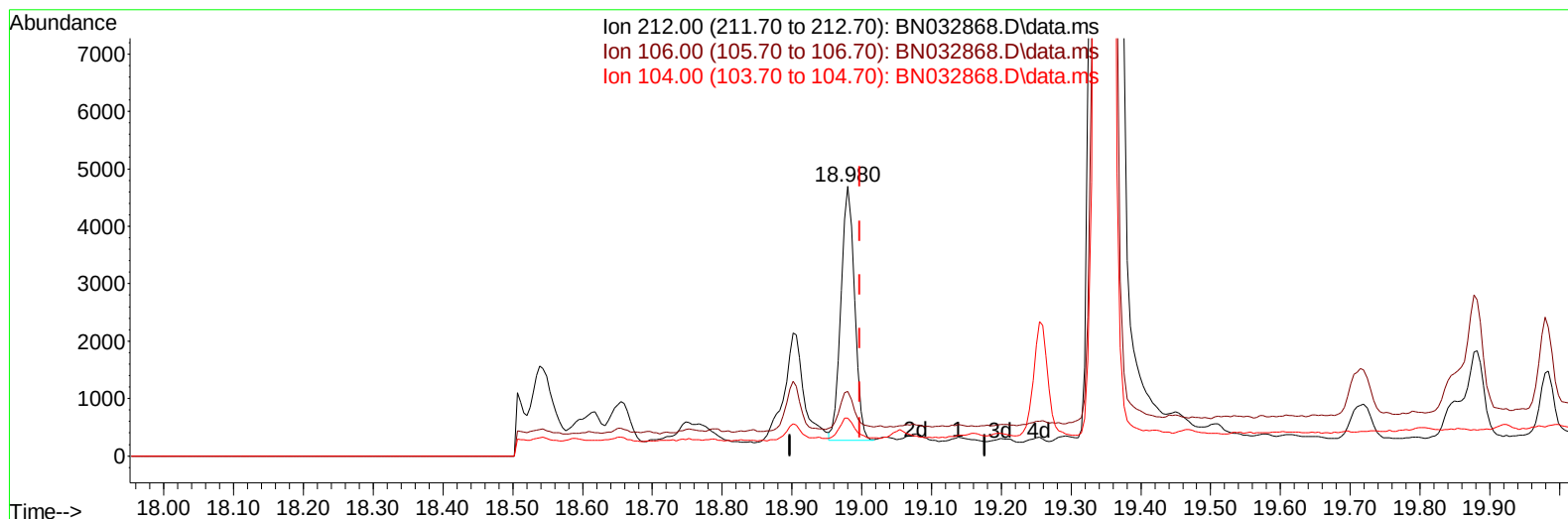
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032868.D
Acq On : 20 Jul 2024 08:03
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 21 22:43:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Supervised By :mohammad ahmed 07/22/2024



TIC: BN032868.D\data.ms

(18) Fluoranthene-d10 (SURR)

18.980min (-0.017) 0.16 ng/ul m

response 5898

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	15.10	1.12#
104.00	9.00	0.00#
0.00	0.00	0.00

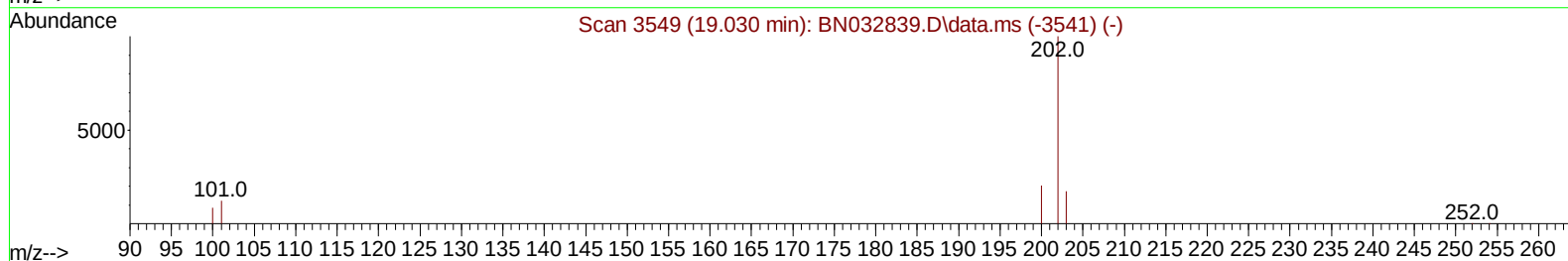
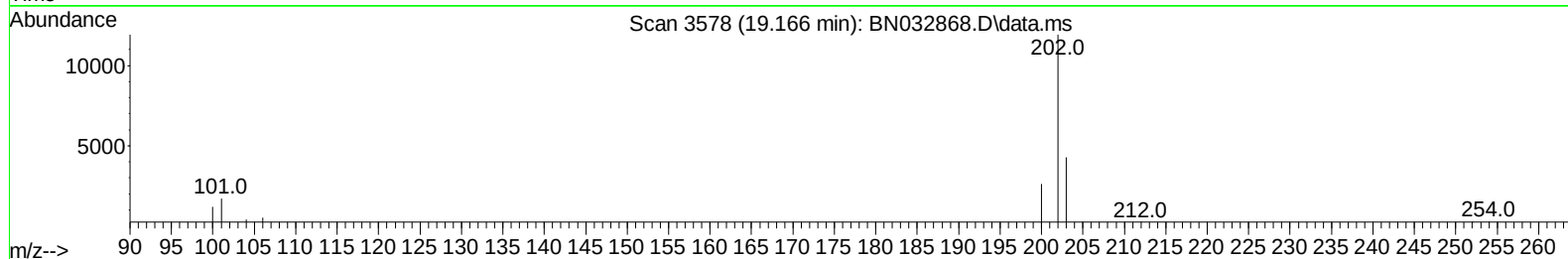
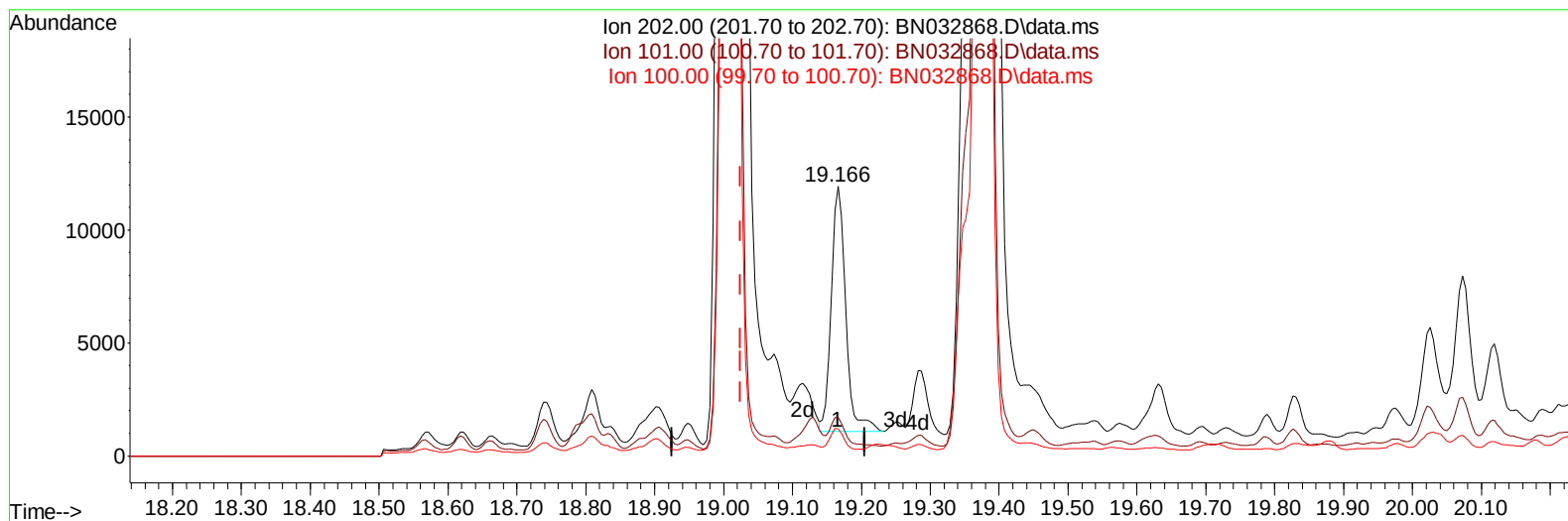
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032868.D
Acq On : 20 Jul 2024 08:03
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

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TIC: BN032868.D\data.ms

(19) Fluoranthene (C)

19.166min (+ 0.141) 0.35 ng/u1

response 16012

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	12.30	14.32
100.00	9.90	10.05
0.00	0.00	0.00

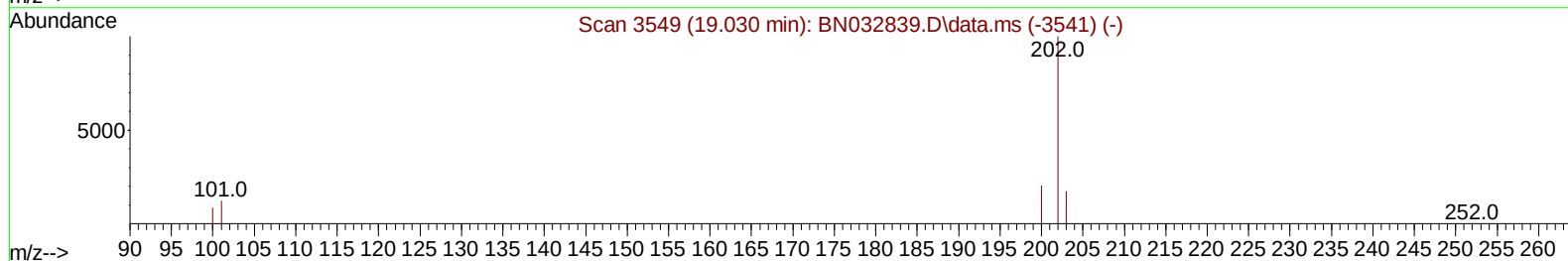
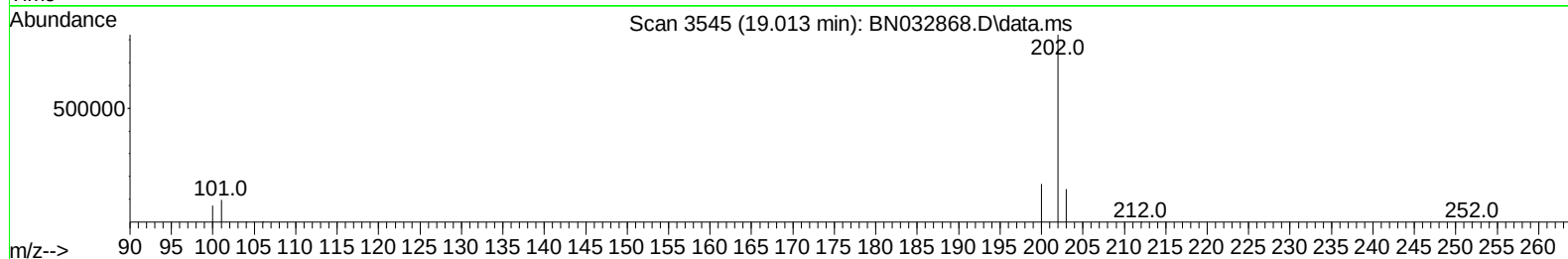
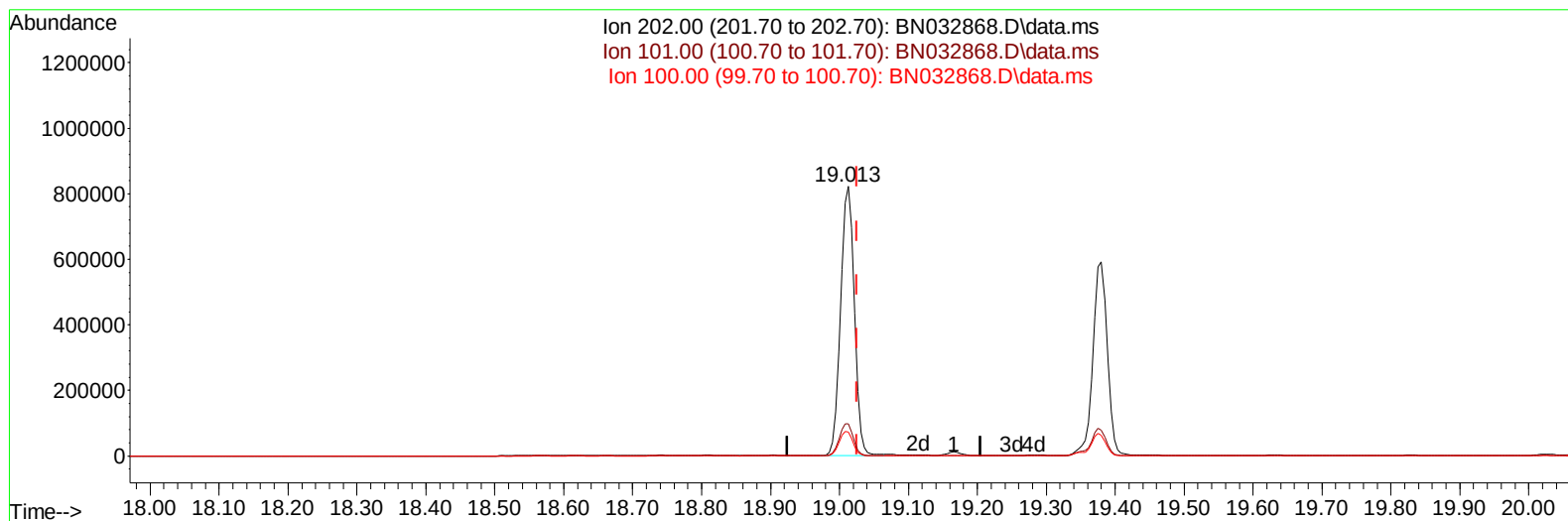
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032868.D
Acq On : 20 Jul 2024 08:03
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 07/22/2024
Supervised By :mohammad ahmed 07/22/2024



TIC: BN032868.D\data.ms

(19) Fluoranthene (C)

19.013min (-0.012) 25.34 ng/ul m

response 1151583

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	12.30	11.83
100.00	9.90	8.82
0.00	0.00	0.00

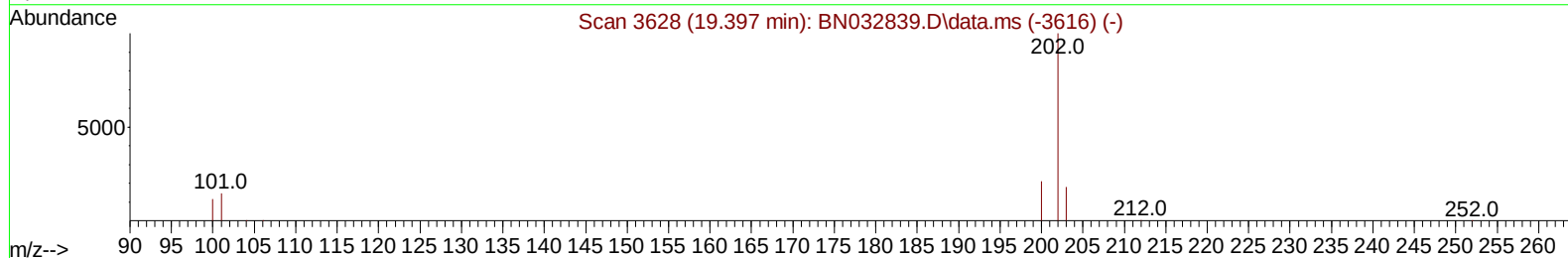
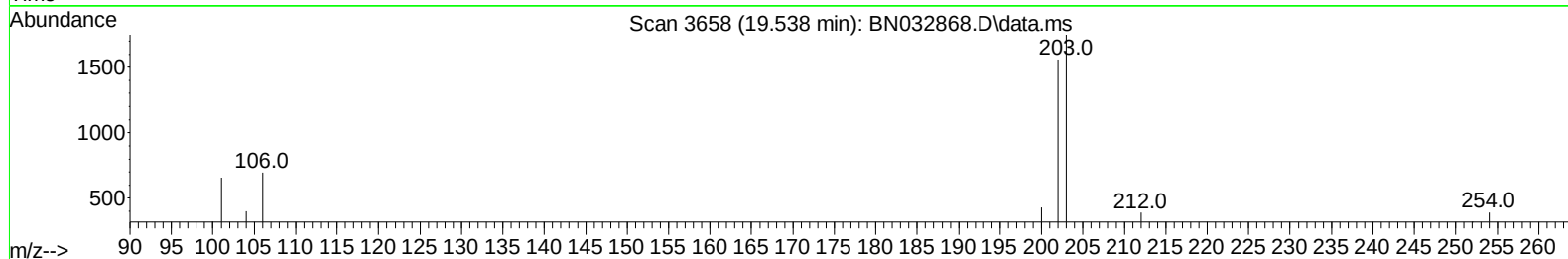
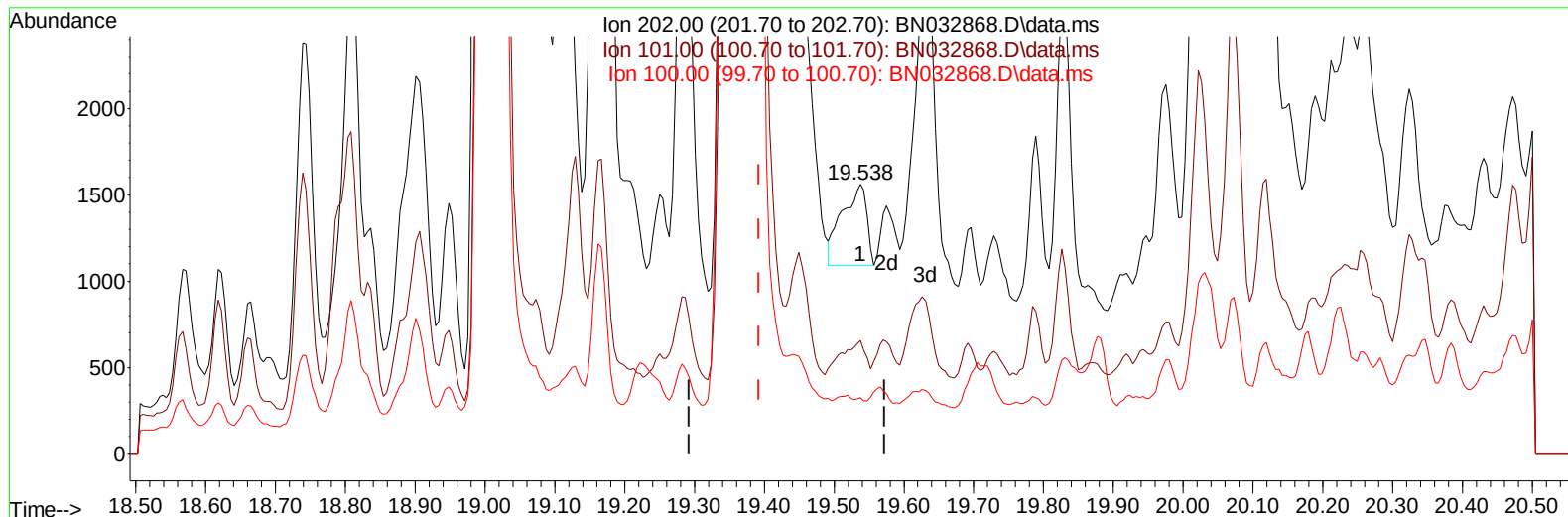
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032868.D
Acq On : 20 Jul 2024 08:03
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 07/22/2024



TIC: BN032868.D\data.ms

(20) Pyrene

19.538min (+ 0.146) 0.02 ng/u1

response 1139

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	14.70	42.12#
100.00	12.00	20.83#
0.00	0.00	0.00

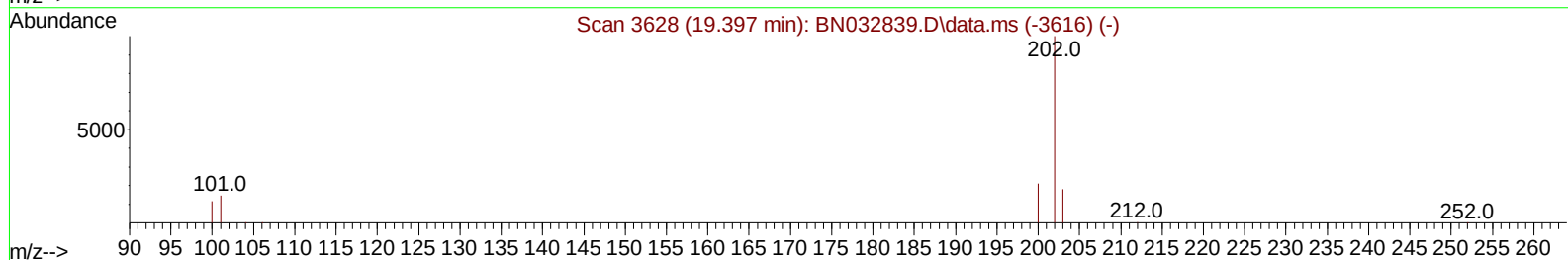
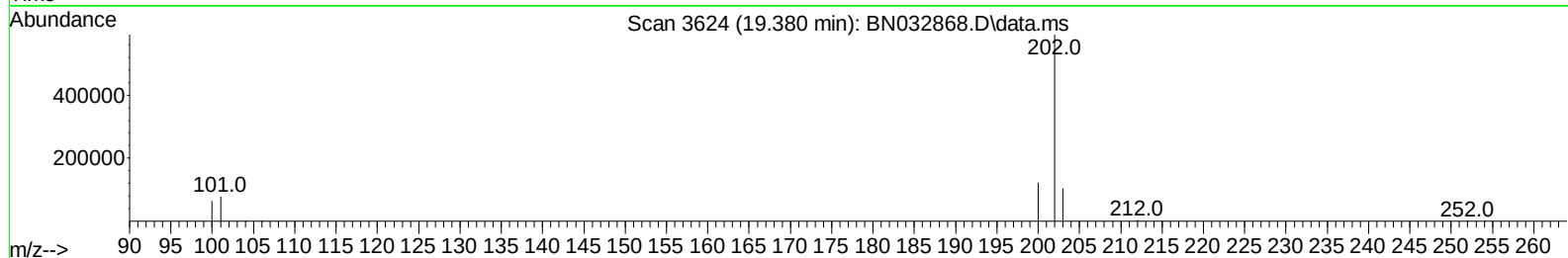
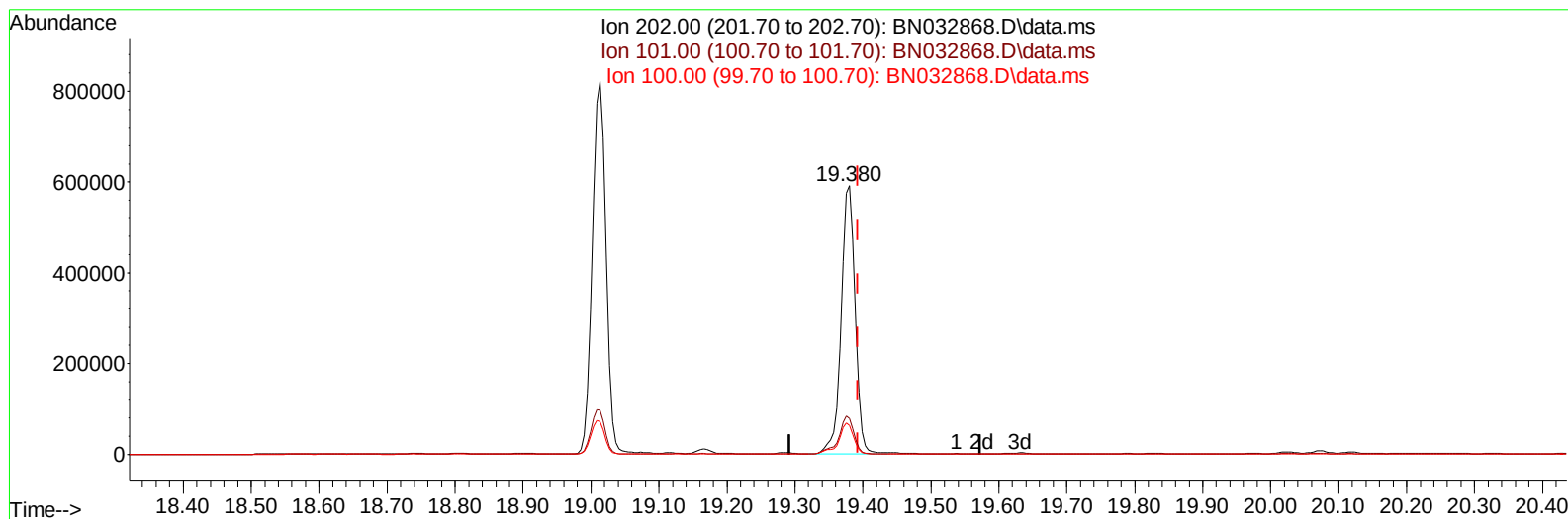
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032868.D
Acq On : 20 Jul 2024 08:03
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 21 22:43:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/22/2024
Supervised By :mohammad ahmed 07/22/2024



TIC: BN032868.D\data.ms

(20) Pyrene

19.380min (-0.012) 18.00 ng/ul m

response 846452

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	14.70	13.37
100.00	12.00	10.76
0.00	0.00	0.00

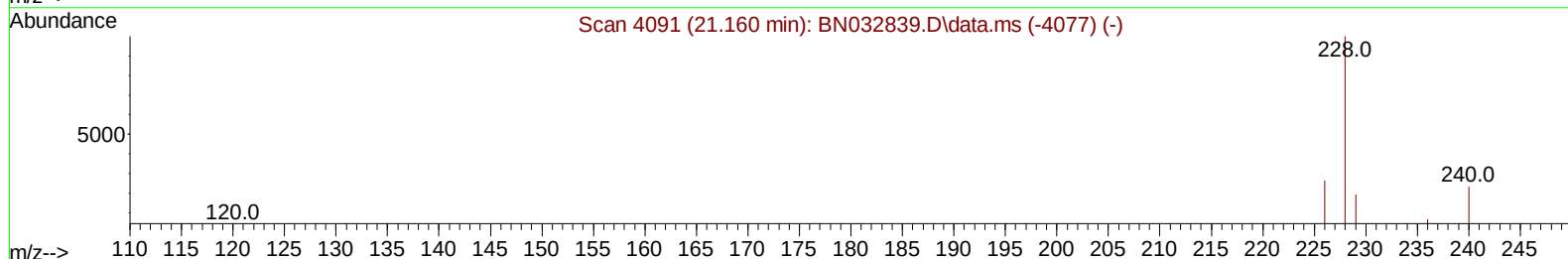
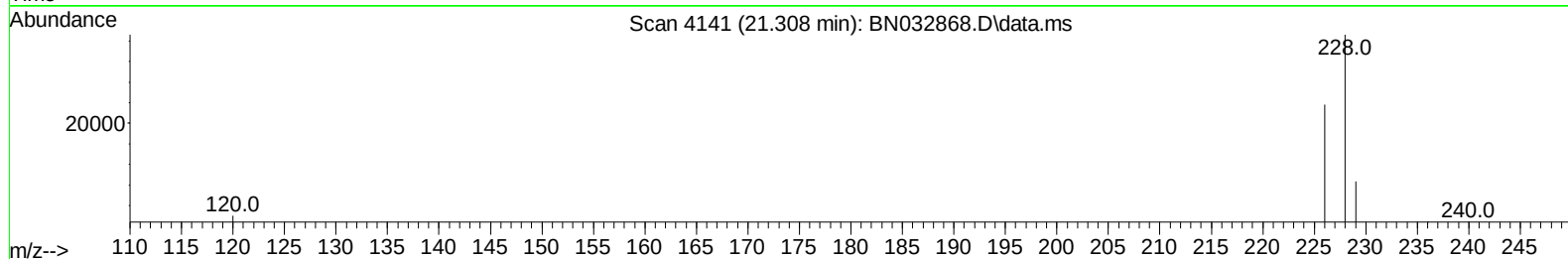
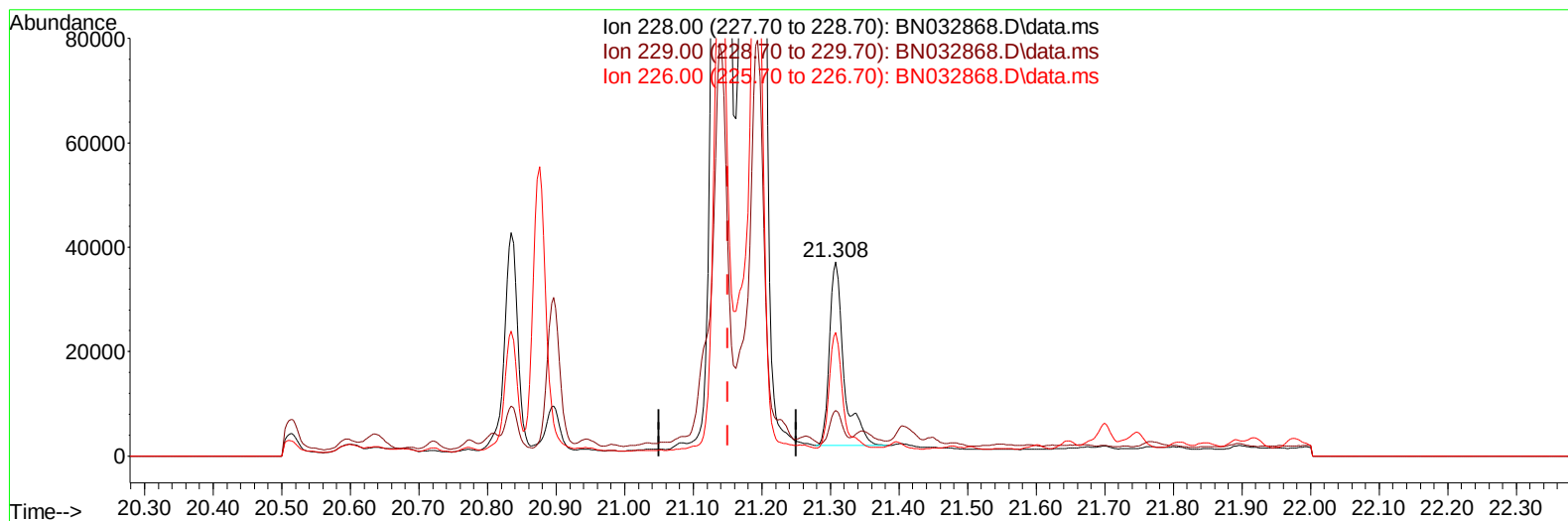
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032868.D
Acq On : 20 Jul 2024 08:03
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 21 22:43:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/22/2024
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TIC: BN032868.D\data.ms

(21) Benzo(a)anthracene

21.308min (+ 0.158) 1.46 ng/ul

response 51936

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.10	23.51
226.00	27.40	63.61#
0.00	0.00	0.00

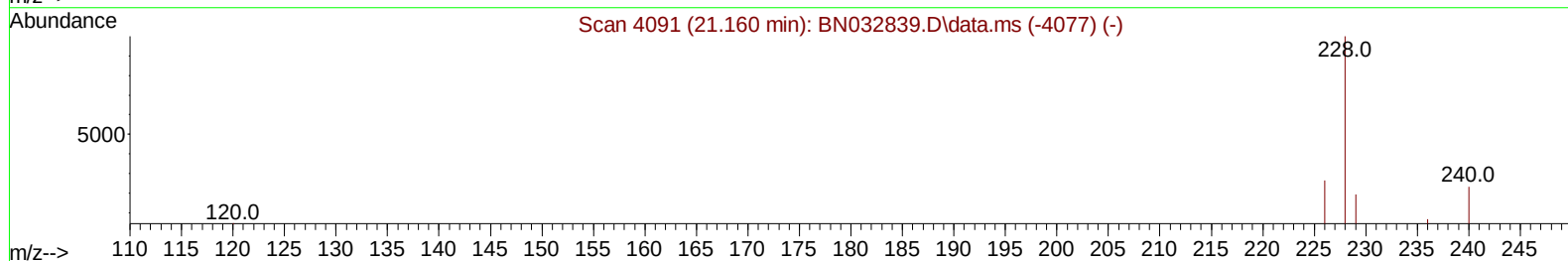
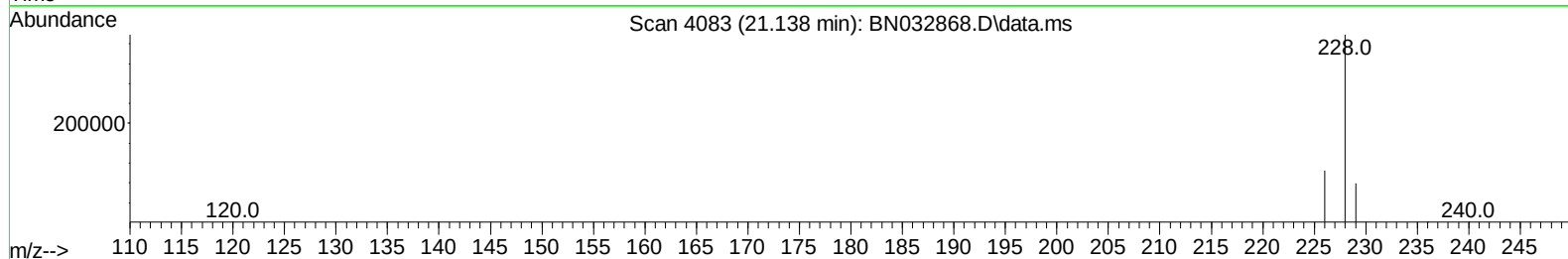
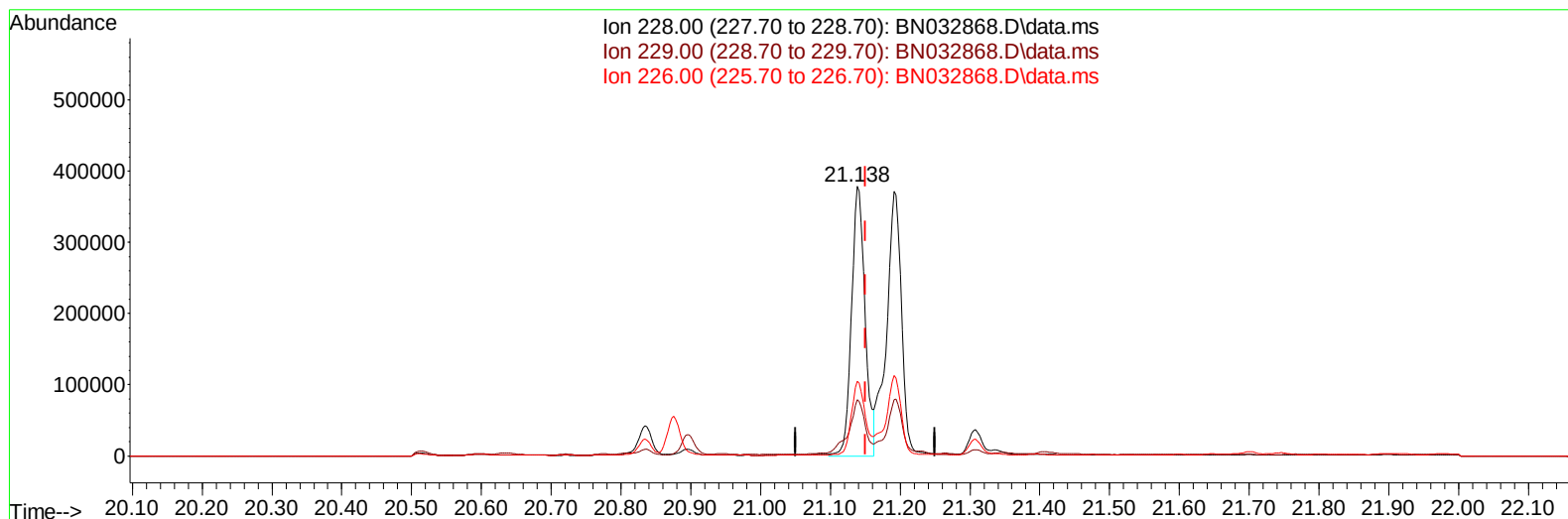
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032868.D
Acq On : 20 Jul 2024 08:03
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 21 22:43:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/22/2024
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TIC: BN032868.D\data.ms

(21) Benzo(a)anthracene

21.138min (-0.012) 14.38 ng/ul m

response 511540

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.10	20.90
226.00	27.40	27.68
0.00	0.00	0.00

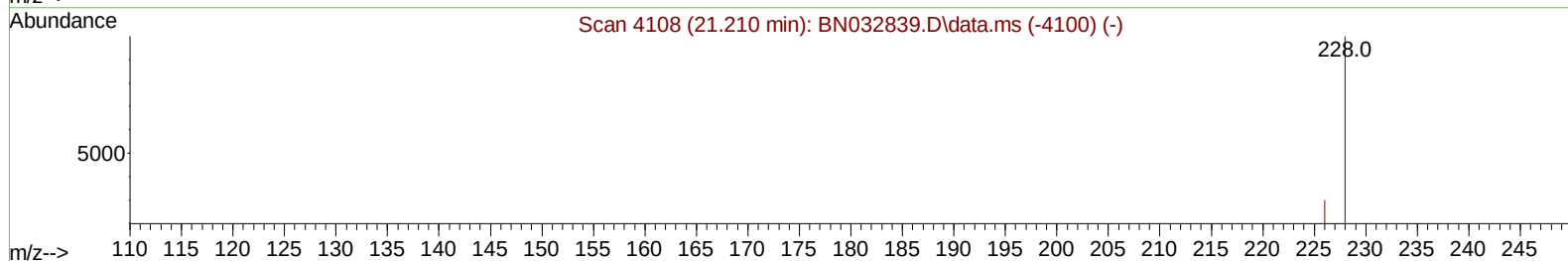
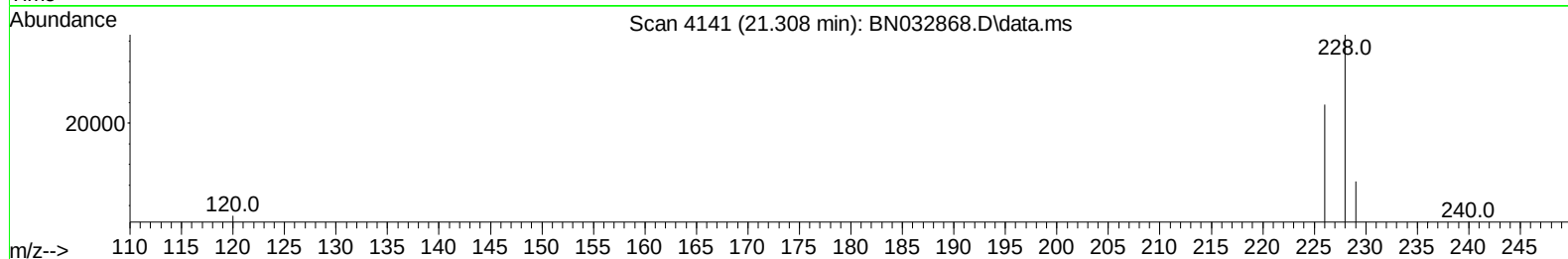
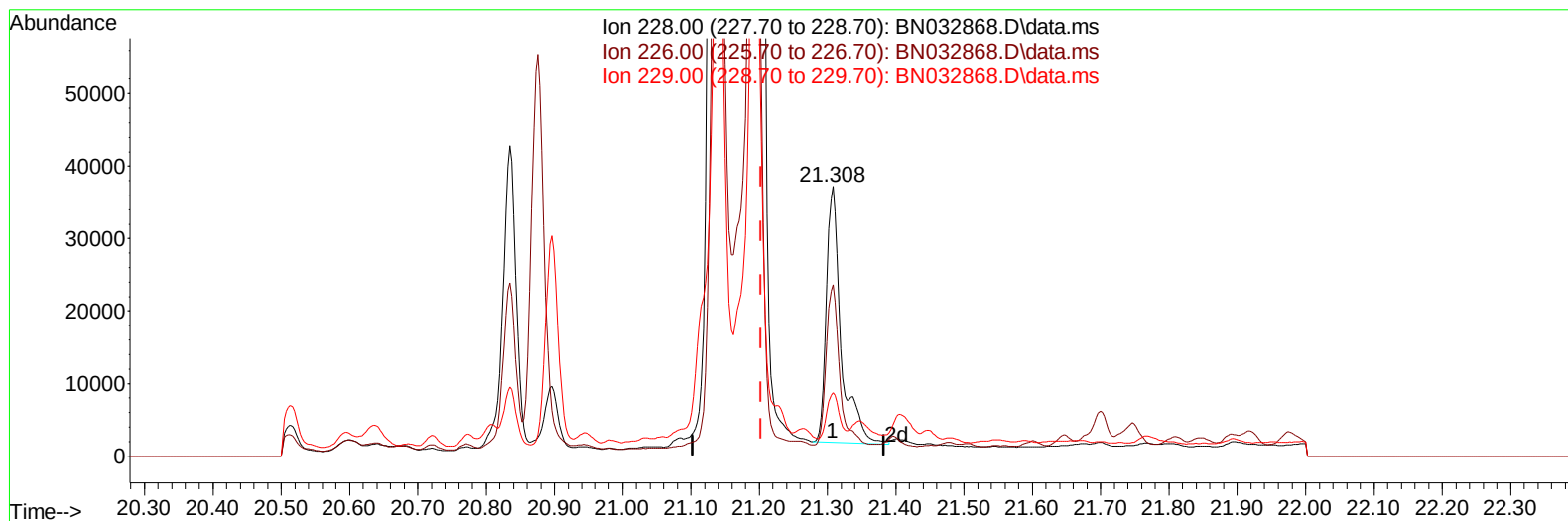
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032868.D
Acq On : 20 Jul 2024 08:03
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 21 22:43:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/22/2024
Supervised By :mohammad ahmed 07/22/2024



TIC: BN032868.D\data.ms

(22) Chrysene

21.308min (+ 0.105) 1.03 ng/u1

response 53048

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.00	63.61#
229.00	19.70	23.51
0.00	0.00	0.00

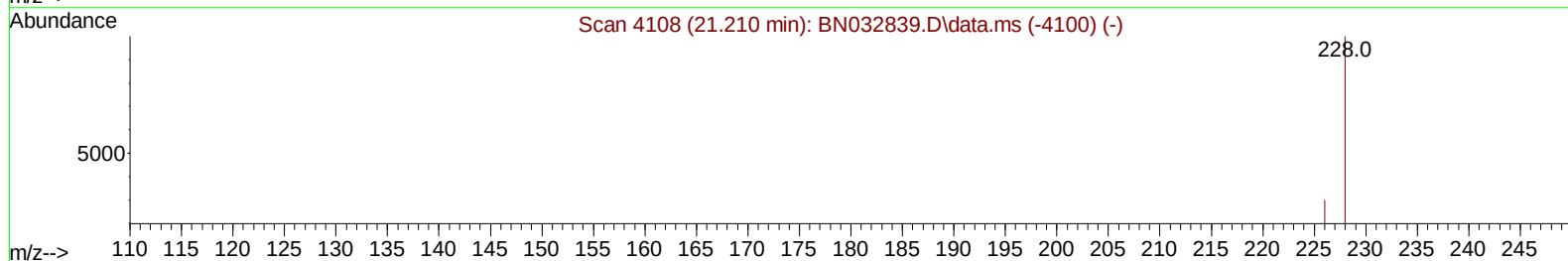
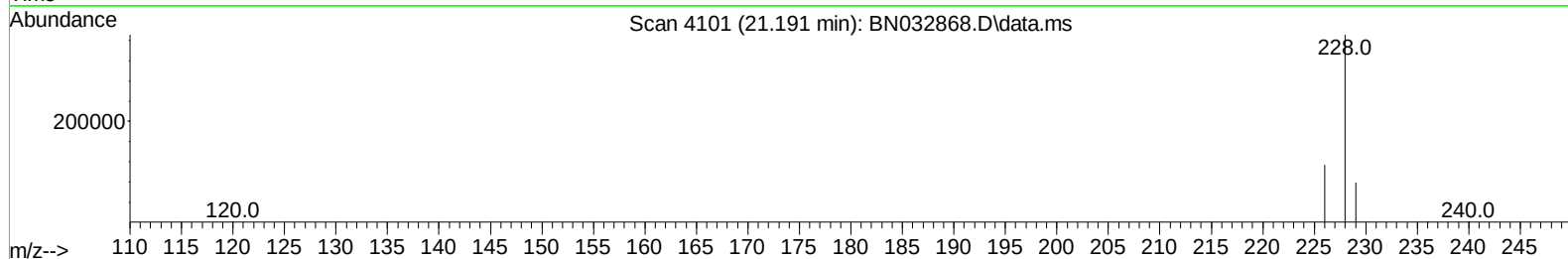
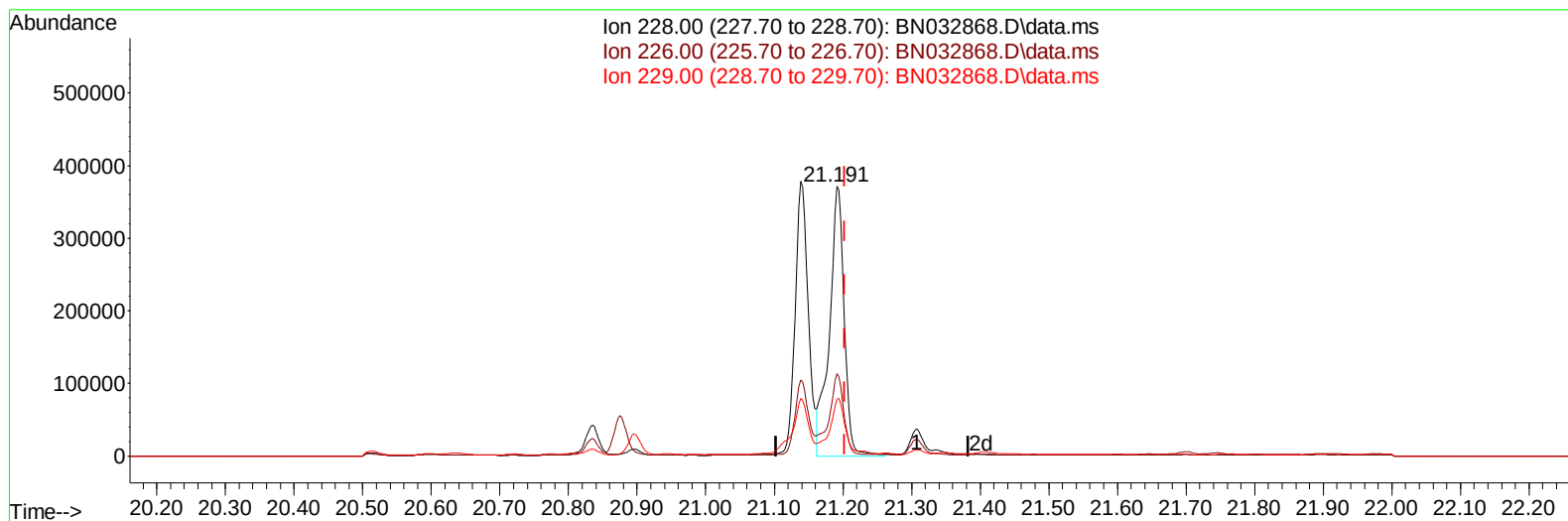
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032868.D
Acq On : 20 Jul 2024 08:03
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 21 22:43:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/22/2024
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TIC: BN032868.D\data.ms

(22) Chrysene

21.191min (-0.012) 10.90 ng/ul m

response 560762

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.00	30.51
229.00	19.70	21.17
0.00	0.00	0.00

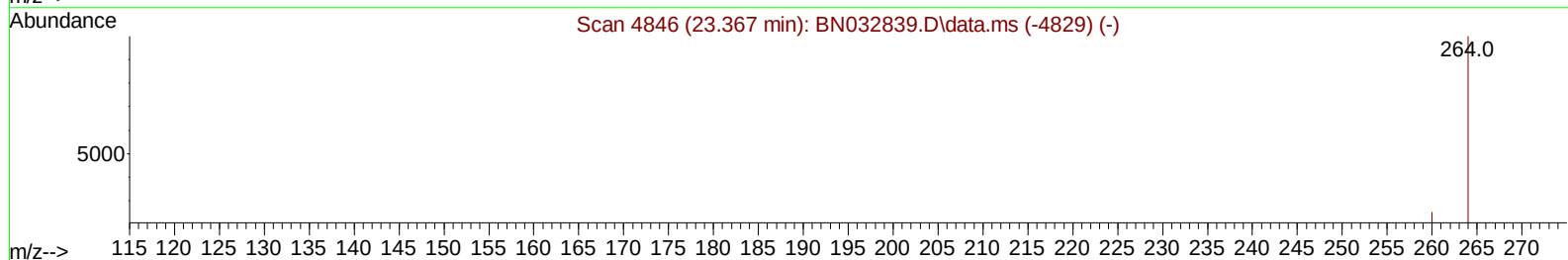
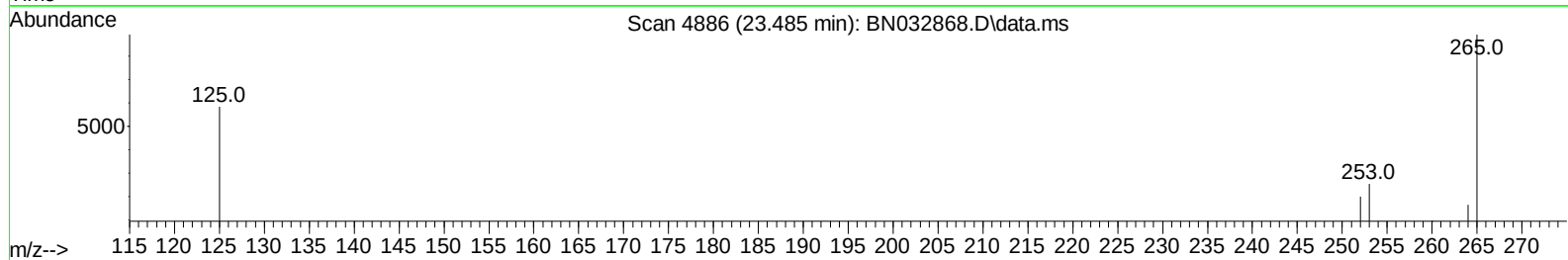
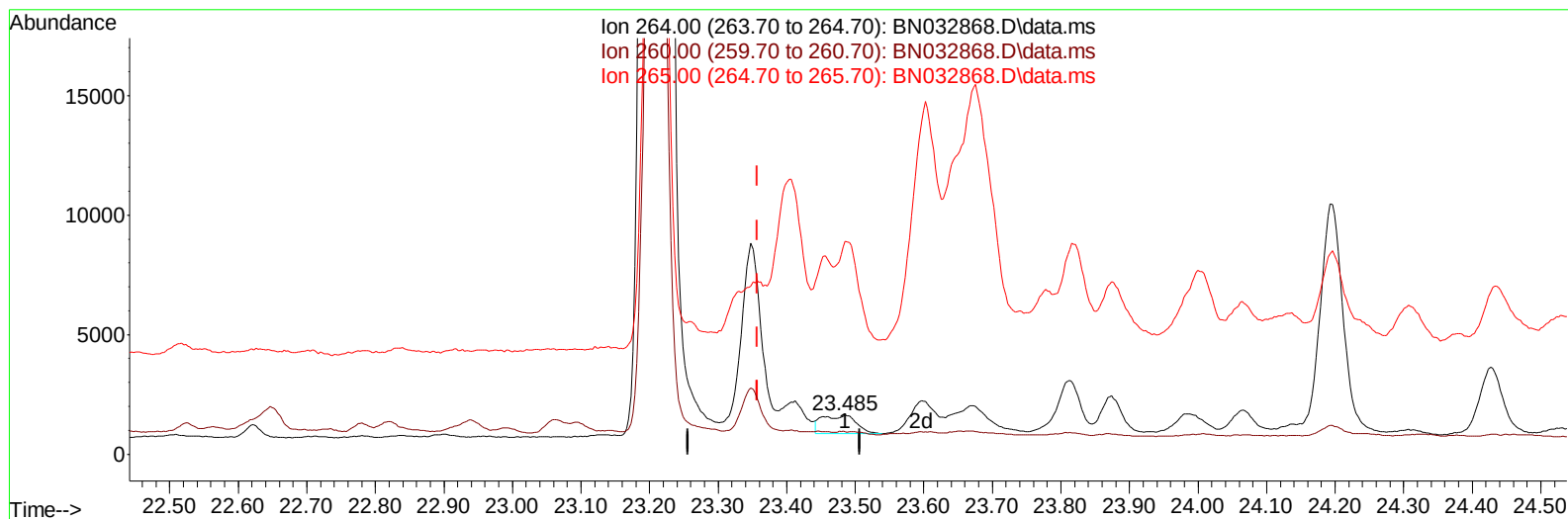
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032868.D
Acq On : 20 Jul 2024 08:03
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 21 22:43:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BN032868.D\data.ms

(23) Perylene-d12 (I)

23.485min (+ 0.128) 0.40 ng/ul

response 2599

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	56.87#
265.00	95.50	541.68#
0.00	0.00	0.00

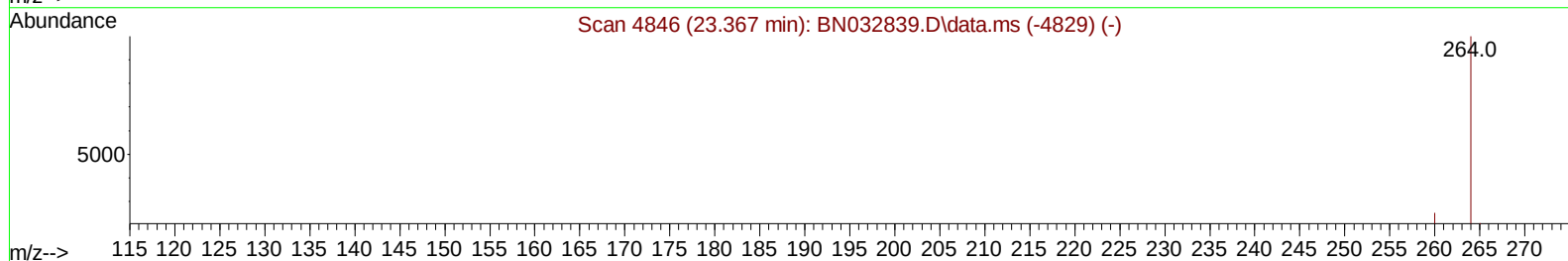
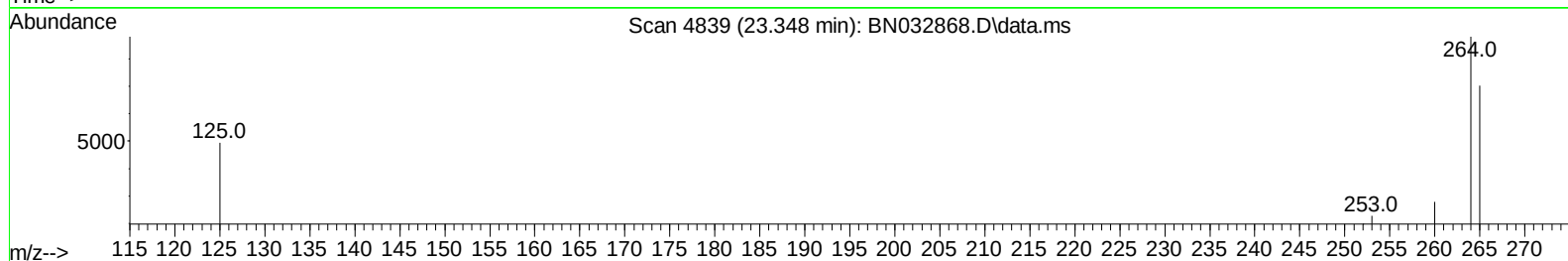
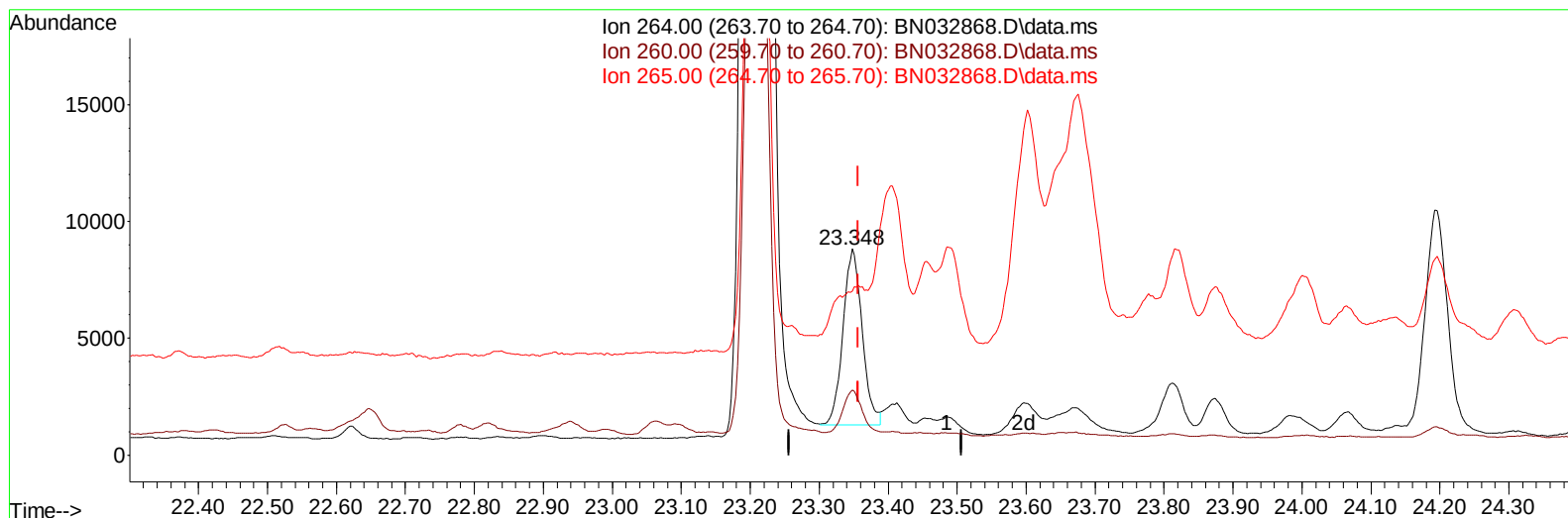
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032868.D
Acq On : 20 Jul 2024 08:03
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 21 22:43:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/22/2024
Supervised By :mohammad ahmed 07/22/2024



TIC: BN032868.D\data.ms

(23) Perylene-d12 (I)

23.348min (-0.009) 0.40 ng/ul m

response 14643

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	31.40#
265.00	95.50	79.66
0.00	0.00	0.00

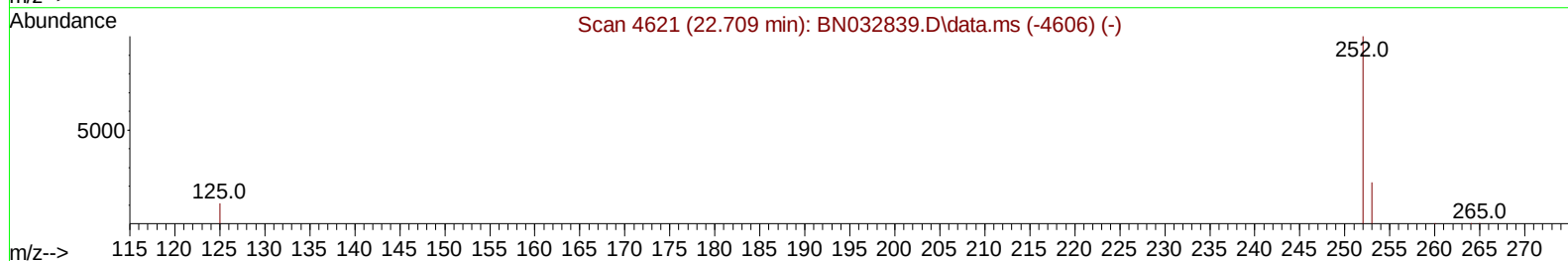
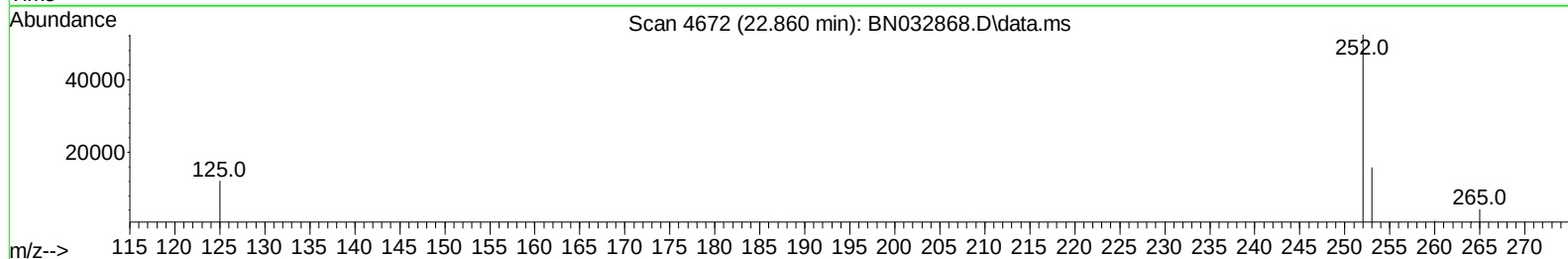
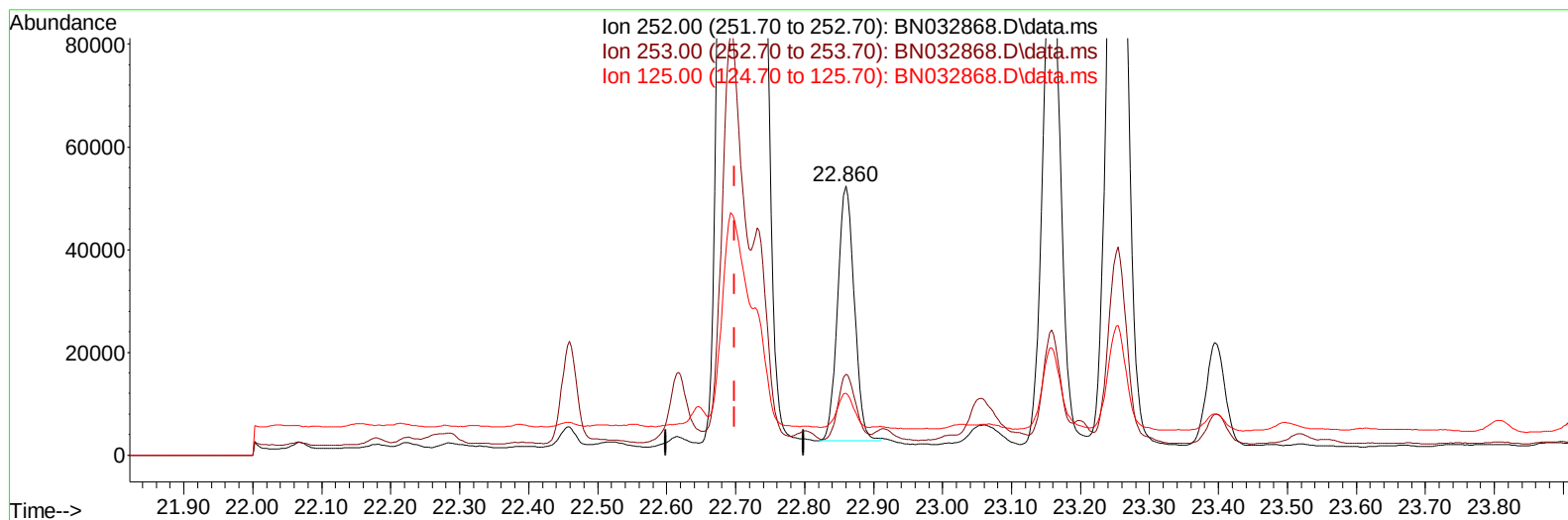
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032868.D
Acq On : 20 Jul 2024 08:03
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 21 22:43:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/22/2024
Supervised By :mohammad ahmed 07/22/2024



TIC: BN032868.D\data.ms

(24) Benzo(b)fluoranthene

22.860min (+ 0.161) 1.62 ng/u1

response 83698

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	30.19
125.00	18.00	23.03
0.00	0.00	0.00

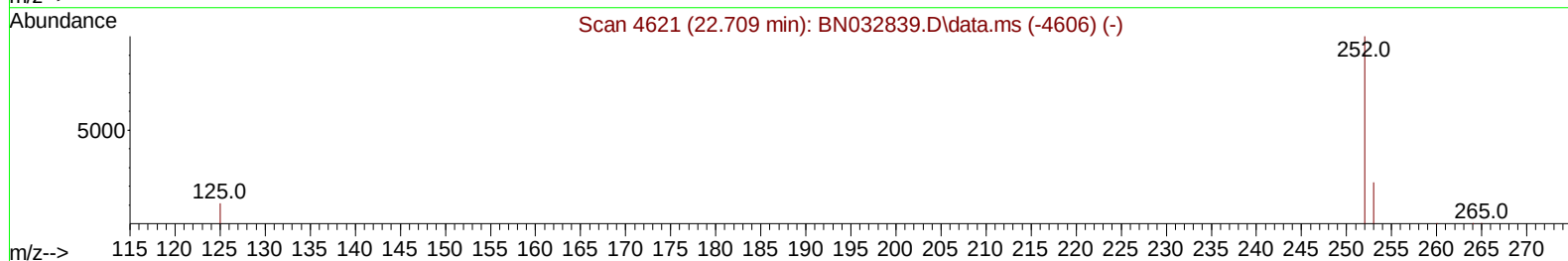
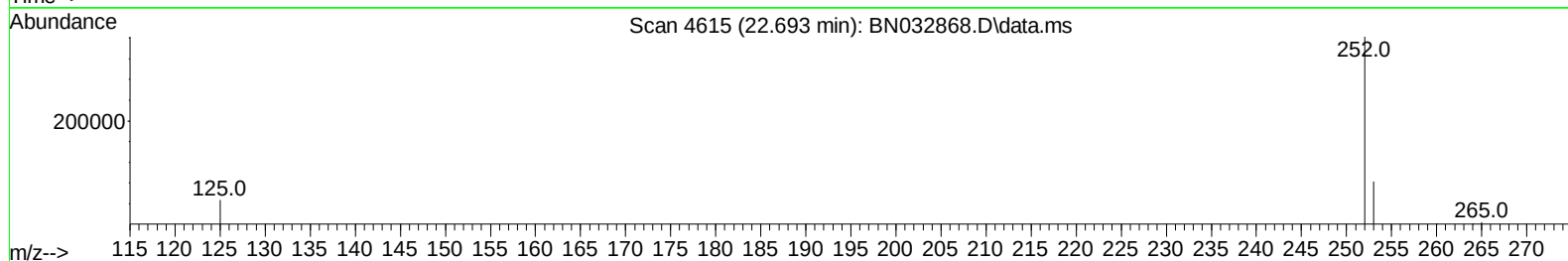
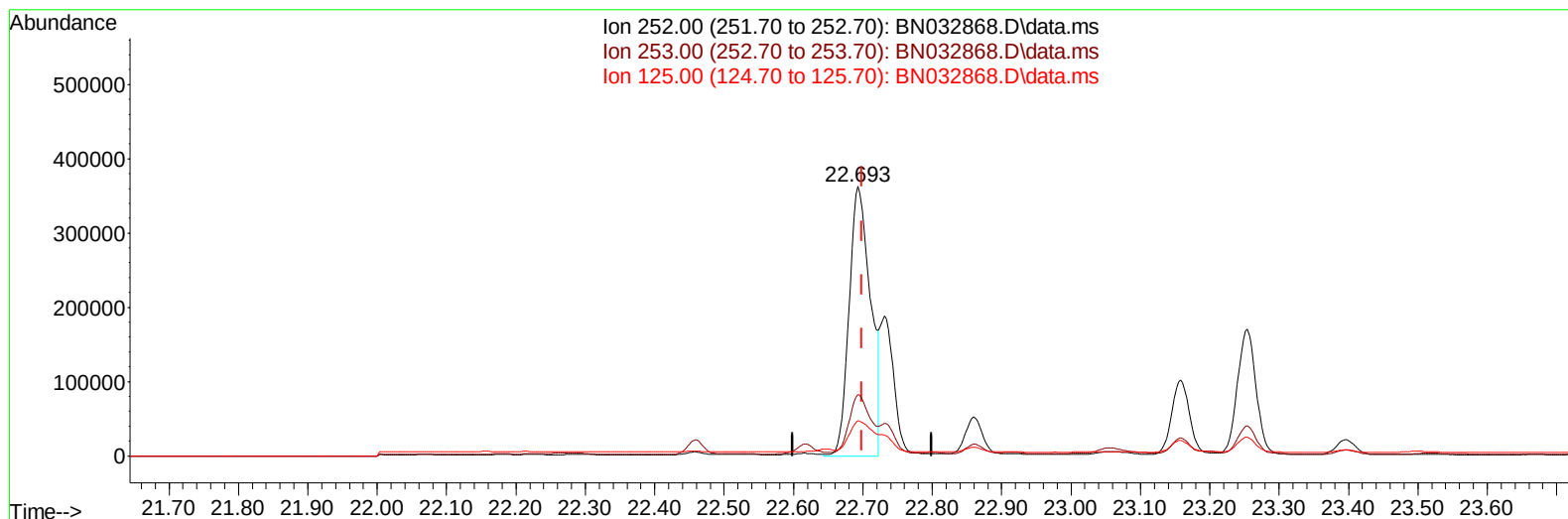
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032868.D
Acq On : 20 Jul 2024 08:03
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 21 22:43:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

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Supervised By :mohammad ahmed 07/22/2024



TIC: BN032868.D\data.ms

(24) Benzo(b)fluoranthene

22.693min (-0.006) 15.16 ng/ul m

response 783418

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	22.73
125.00	18.00	13.01
0.00	0.00	0.00

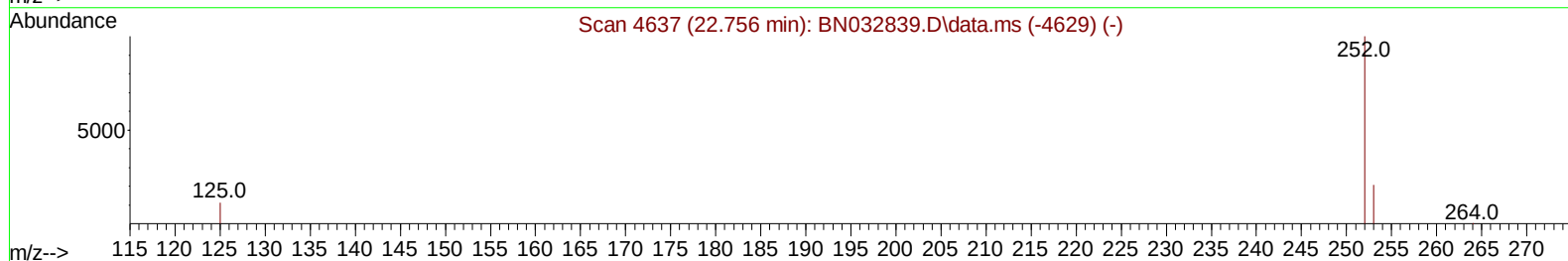
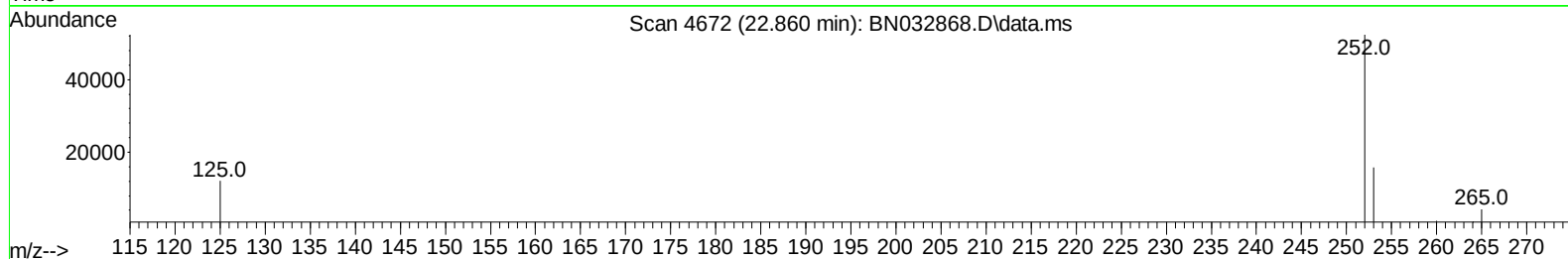
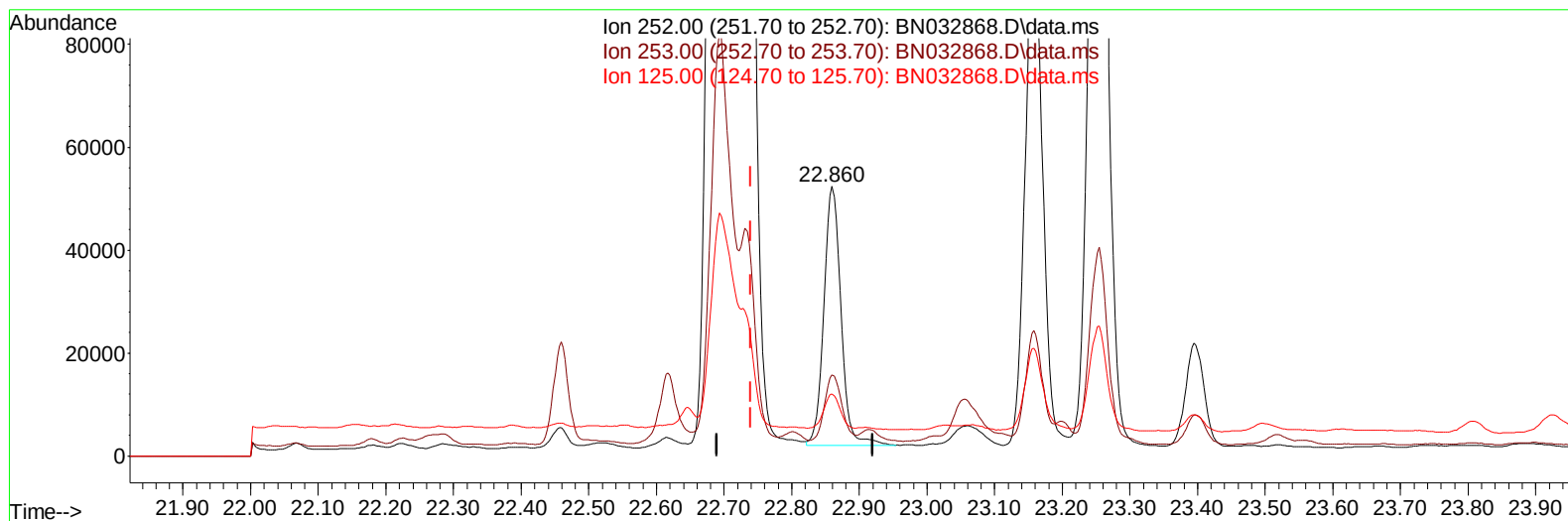
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032868.D
Acq On : 20 Jul 2024 08:03
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 21 22:43:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Supervised By :mohammad ahmed 07/22/2024



TIC: BN032868.D\data.ms

(25) Benzo(k)fluoranthene

22.860min (+ 0.120) 1.40 ng/u1

response 88423

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	30.19
125.00	18.50	23.03#
0.00	0.00	0.00

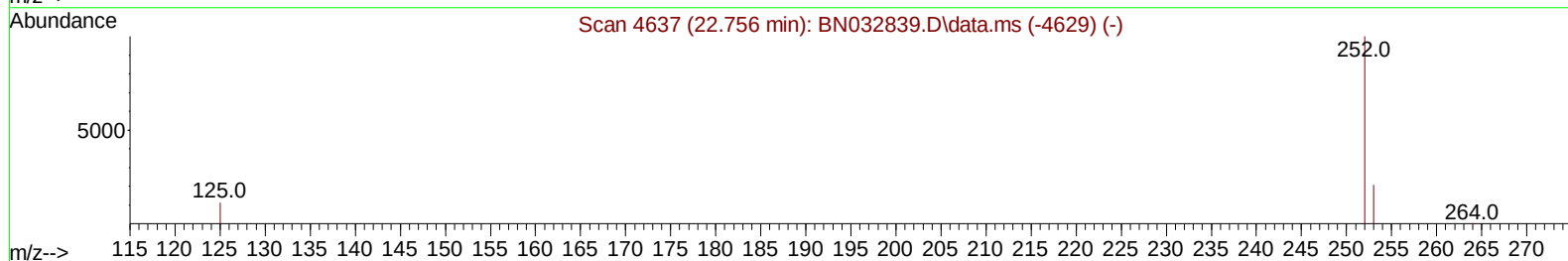
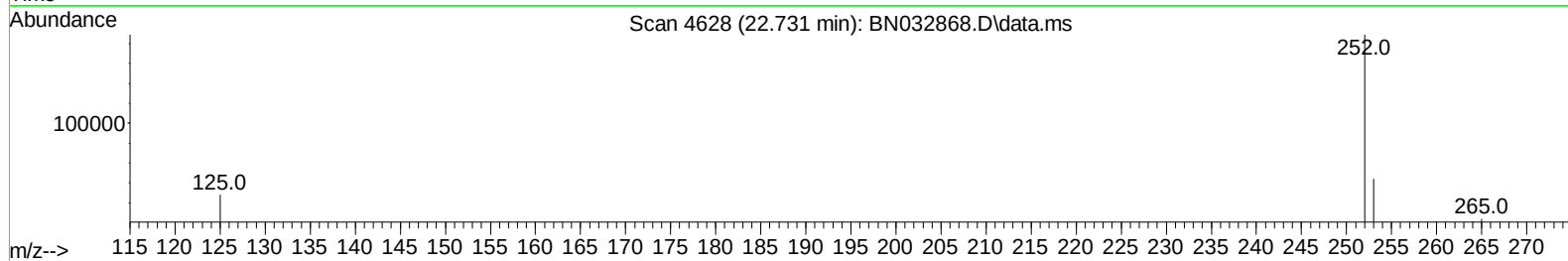
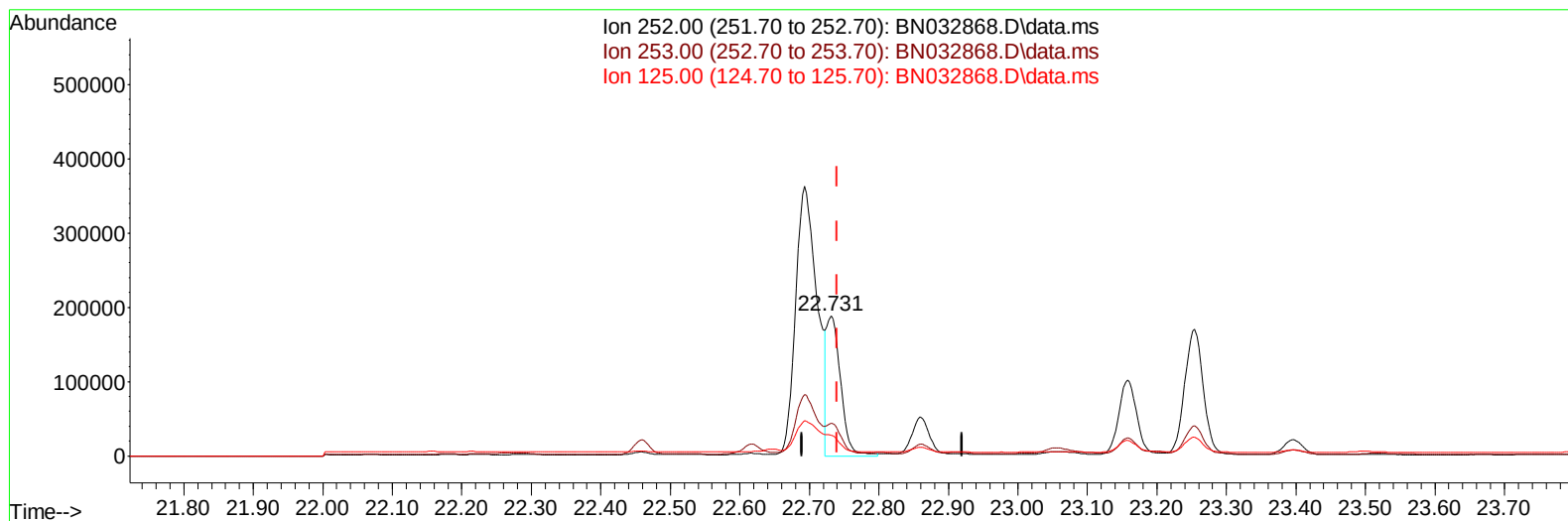
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032868.D
Acq On : 20 Jul 2024 08:03
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/22/2024
Supervised By :mohammad ahmed 07/22/2024

Quant Time: Jul 21 22:43:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration



TIC: BN032868.D\data.ms

(25) Benzo(k)fluoranthene

22.731min (-0.009) 4.19 ng/ul m

response 263609

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	23.42
125.00	18.50	14.93
0.00	0.00	0.00

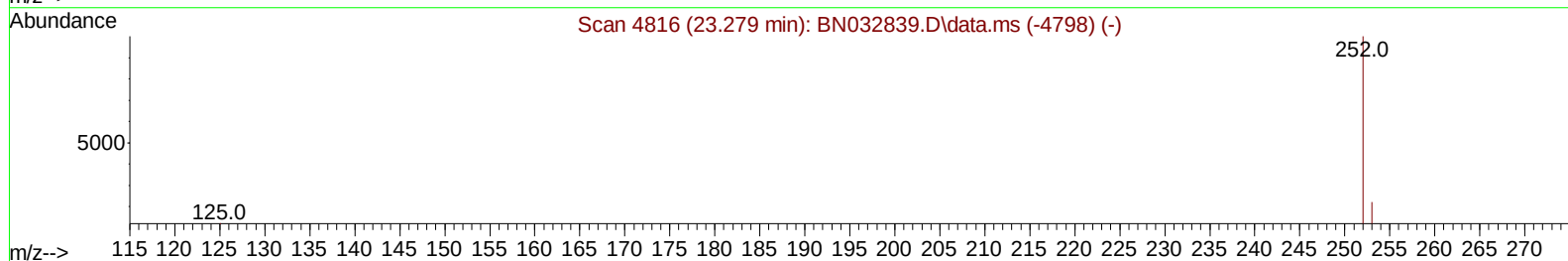
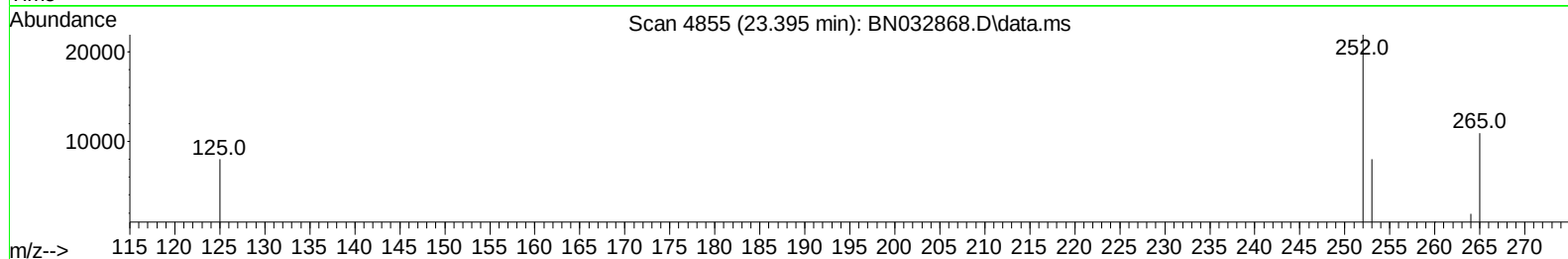
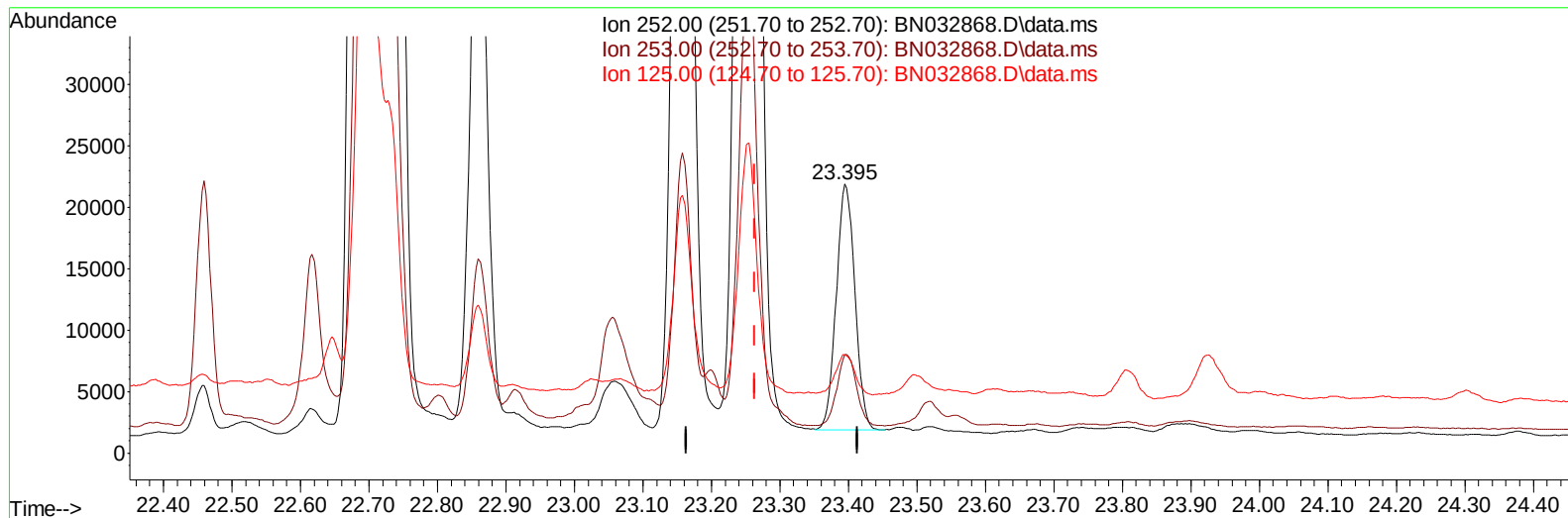
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032868.D
Acq On : 20 Jul 2024 08:03
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 21 22:43:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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Reviewed By :Yogesh Patel 07/22/2024
Supervised By :mohammad ahmed 07/22/2024



TIC: BN032868.D\data.ms

(26) Benzo(a)pyrene (C)

23.395min (+ 0.131) 0.85 ng/u1

response 37866

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.70	36.61
125.00	25.70	36.51#
0.00	0.00	0.00

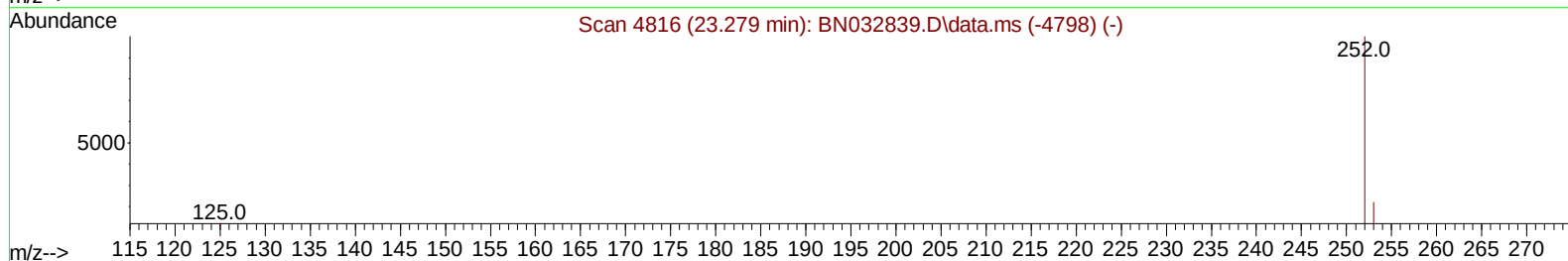
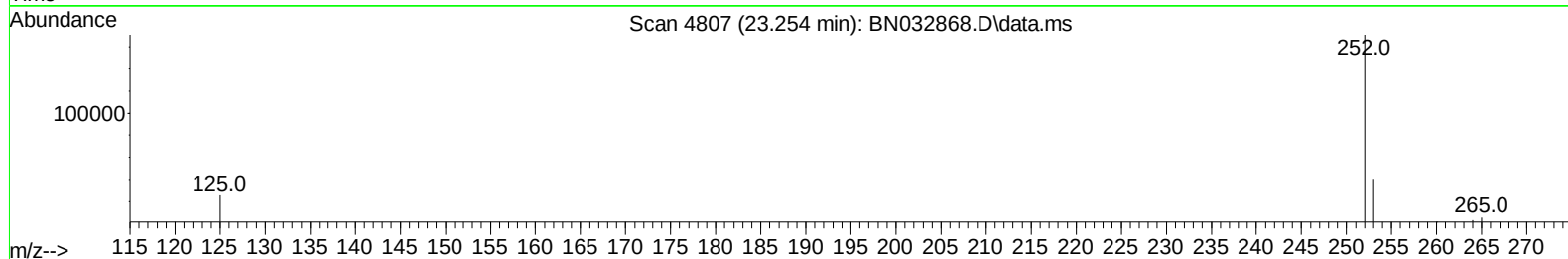
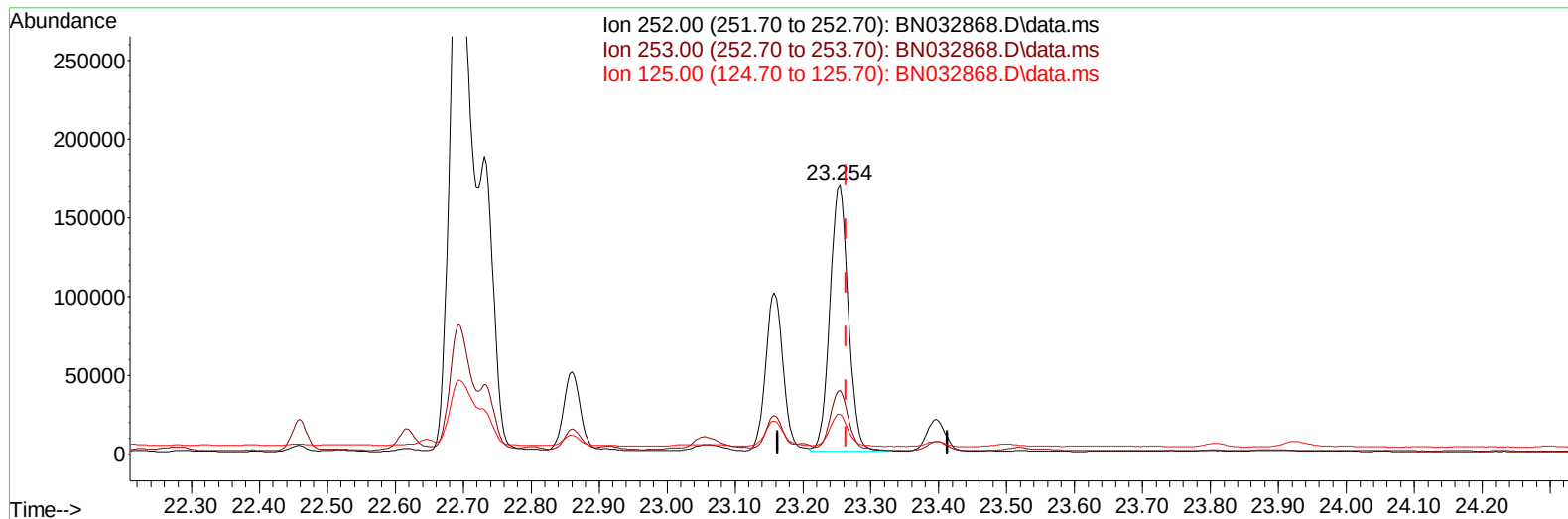
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032868.D
Acq On : 20 Jul 2024 08:03
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 21 22:43:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/22/2024
Supervised By :mohammad ahmed 07/22/2024



TIC: BN032868.D\data.ms

(26) Benzo(a)pyrene (C)

23.254min (-0.009) 7.09 ng/ul m

response 317195

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.70	23.69#
125.00	25.70	14.78#
0.00	0.00	0.00

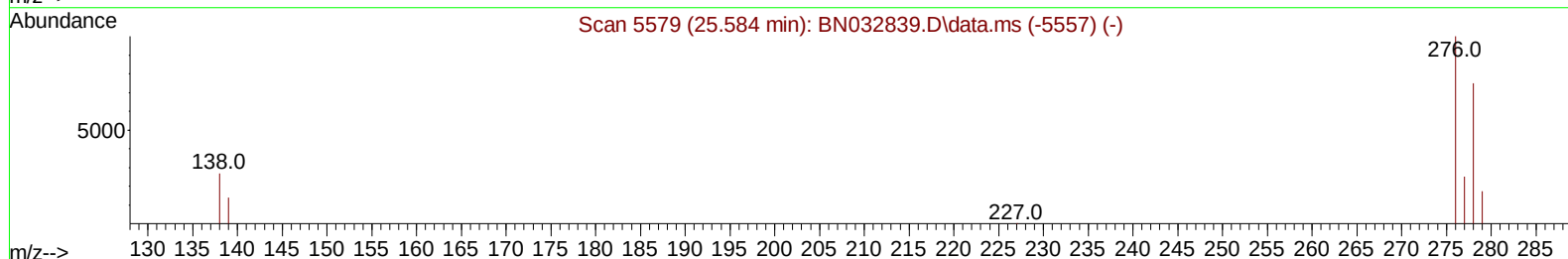
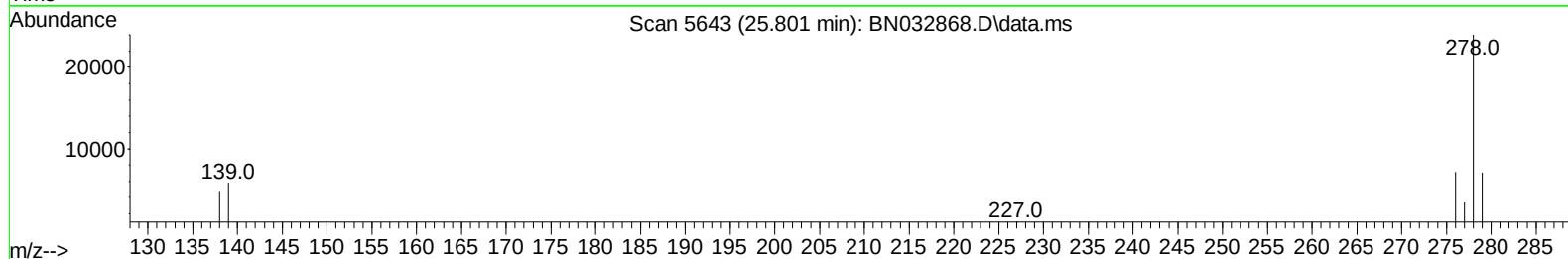
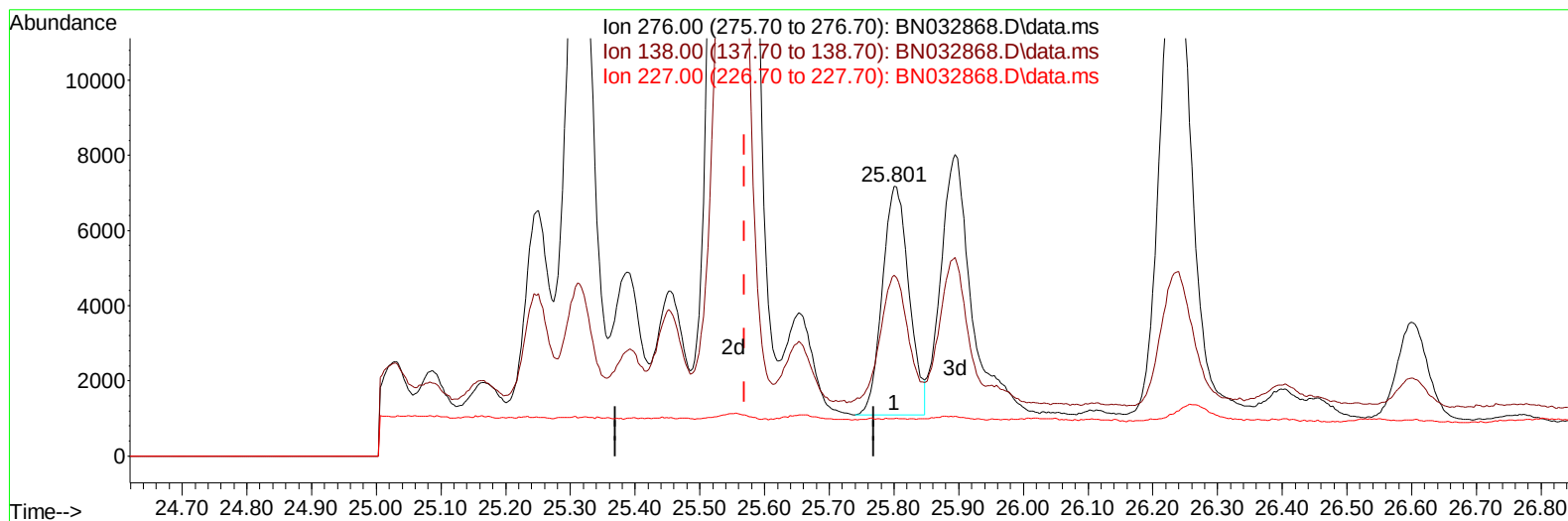
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
 Data File : BN032868.D
 Acq On : 20 Jul 2024 08:03
 Operator : MA/JU
 Sample : P3238-16
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 21 22:43:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 20 01:52:15 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/22/2024
 Supervised By :mohammad ahmed 07/22/2024



TIC: BN032868.D\data.ms

(27) Indeno(1,2,3-cd)pyrene

25.801min (+ 0.231) 0.29 ng/u1

response 17360

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	27.00	57.99#
227.00	0.00	0.11#
0.00	0.00	0.00

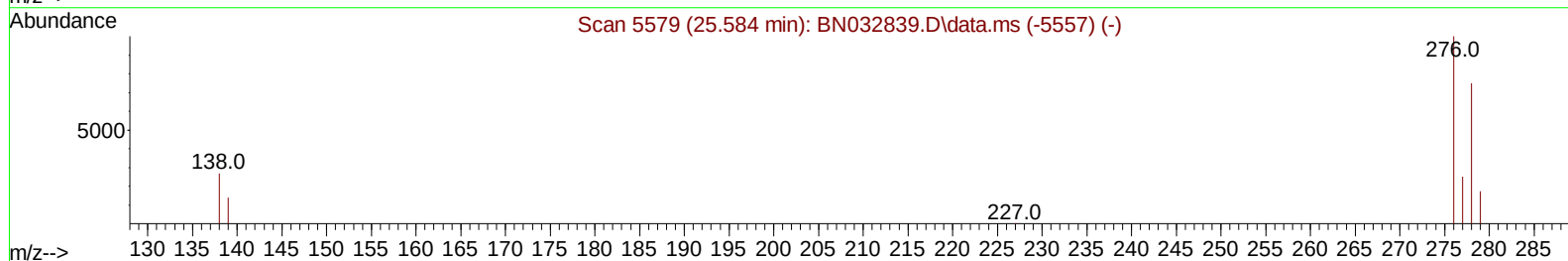
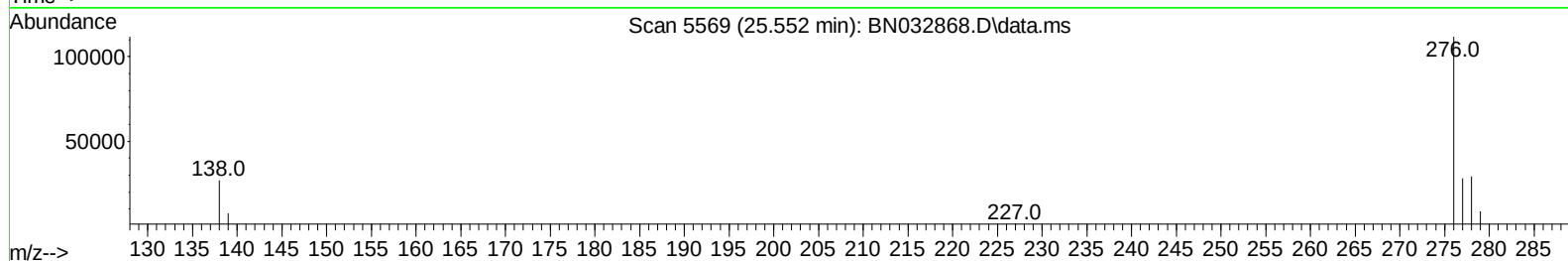
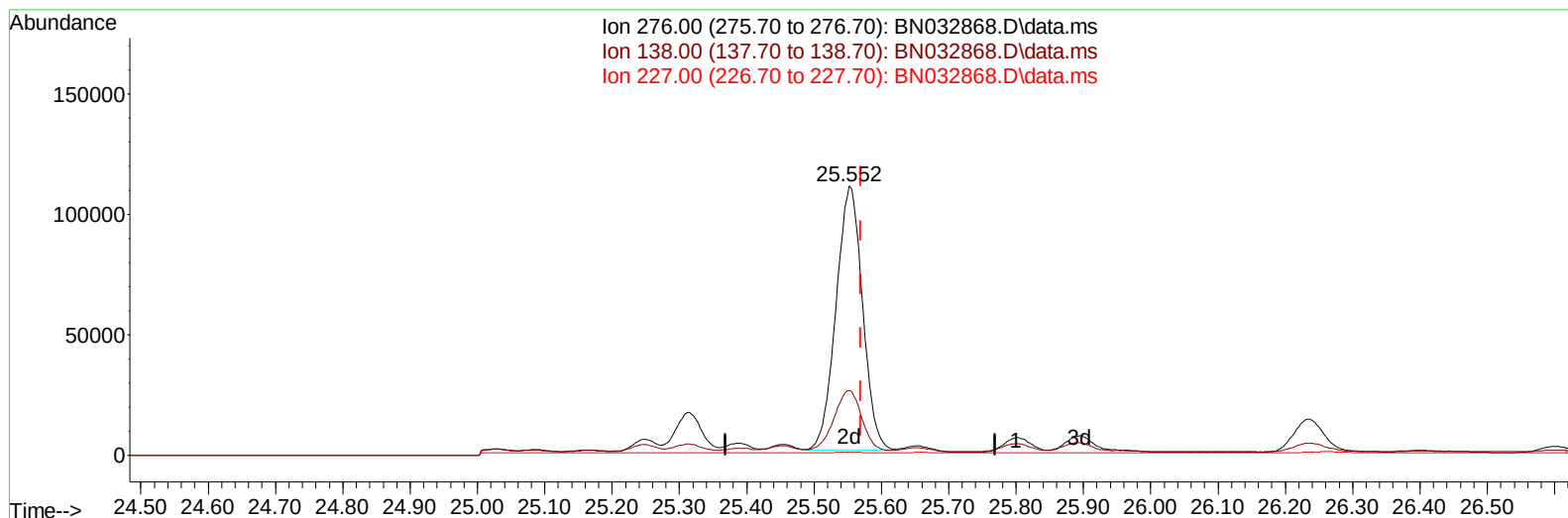
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032868.D
Acq On : 20 Jul 2024 08:03
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 21 22:43:08 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/22/2024
Supervised By :mohammad ahmed 07/22/2024



TIC: BN032868.D\data.ms

(27) Indeno(1,2,3-cd)pyrene

25.552min (-0.017) 4.94 ng/ul m

response 299310

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	27.00	3.36#
227.00	0.00	0.01#
0.00	0.00	0.00

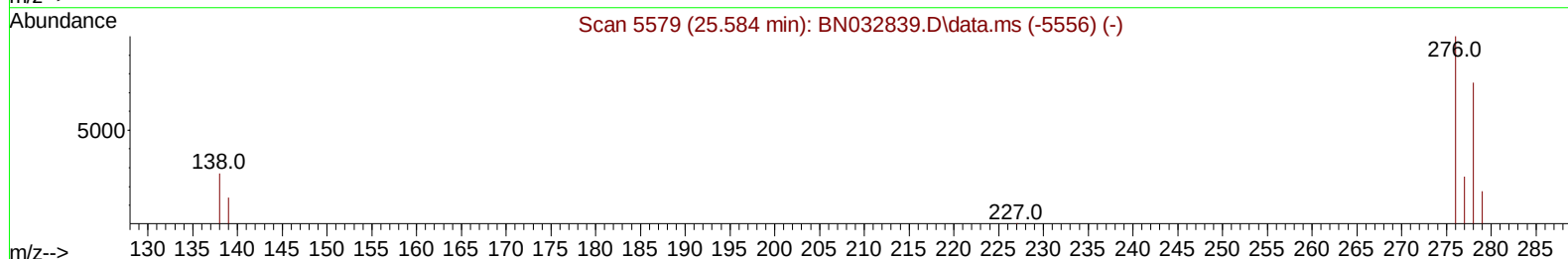
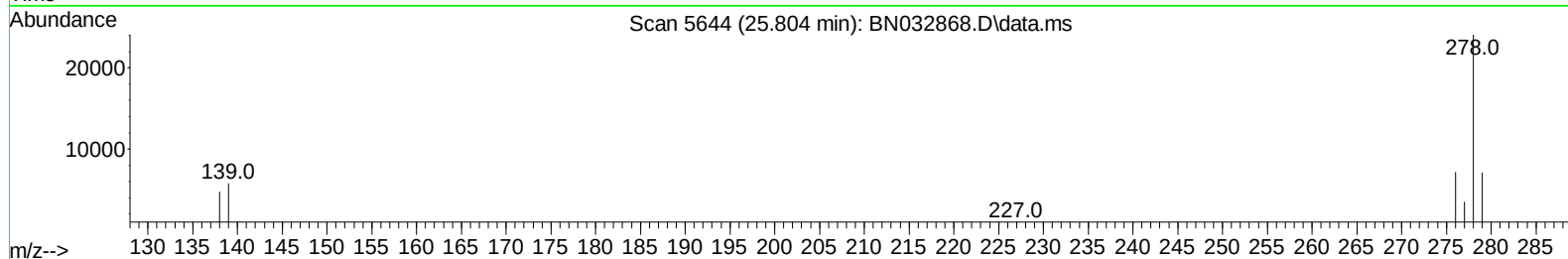
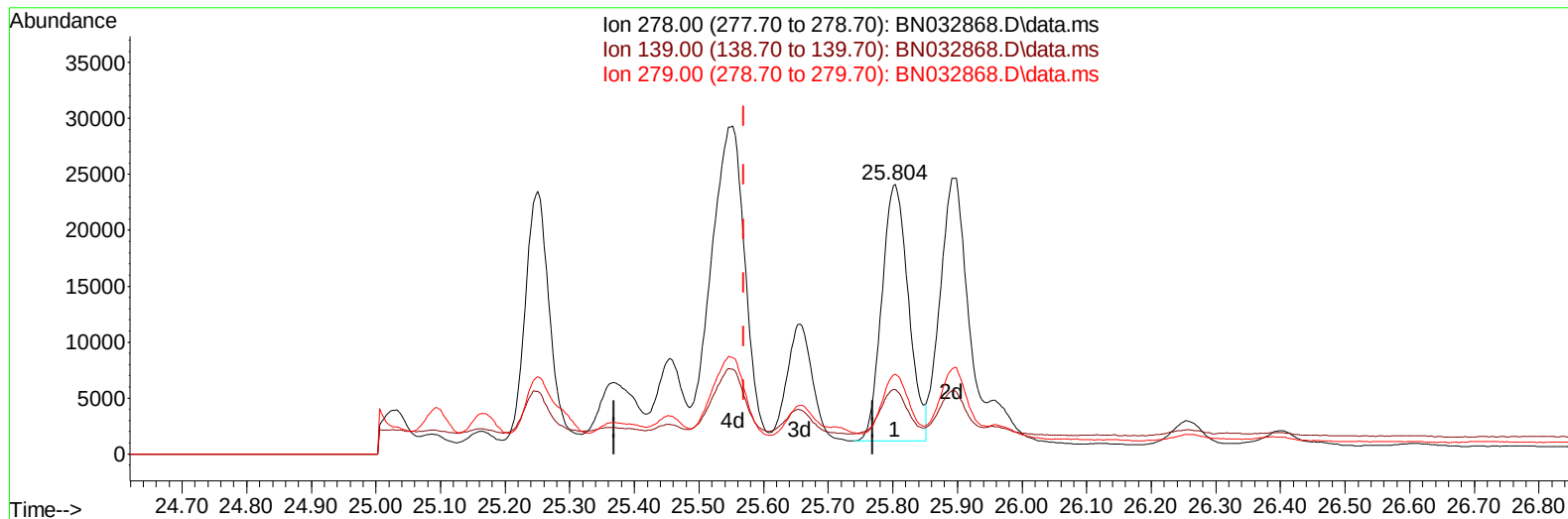
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032868.D
Acq On : 20 Jul 2024 08:03
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 21 22:43:08 2024
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QLast Update : Sat Jul 20 01:52:15 2024
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TIC: BN032868.D\data.ms

(28) Dibenzo(a,h)anthracene

25.804min (+ 0.235) 1.41 ng/u1

response 65950

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	20.70	23.87
279.00	29.60	29.66
0.00	0.00	0.00

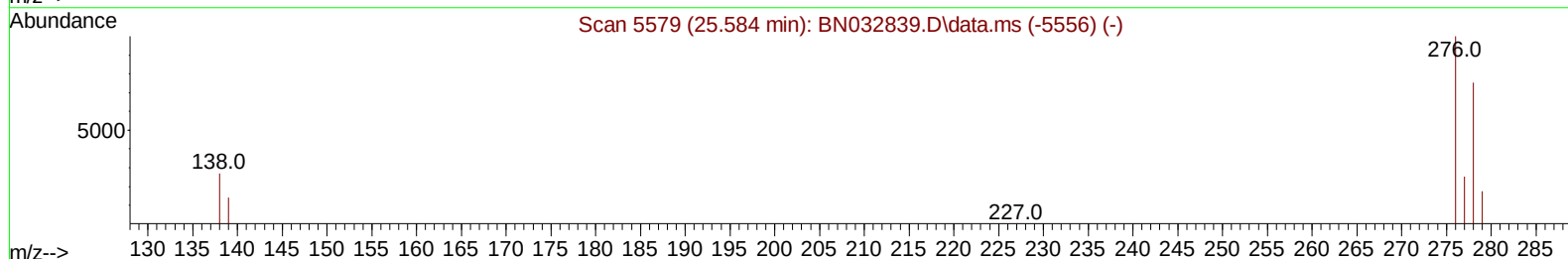
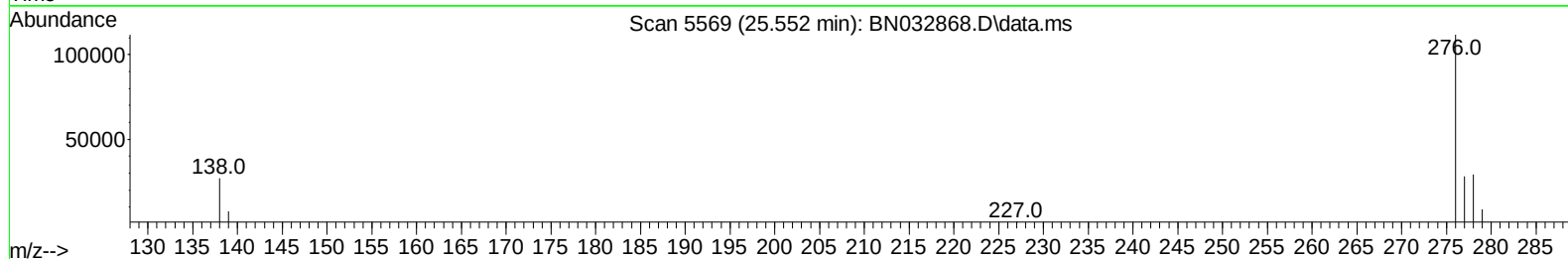
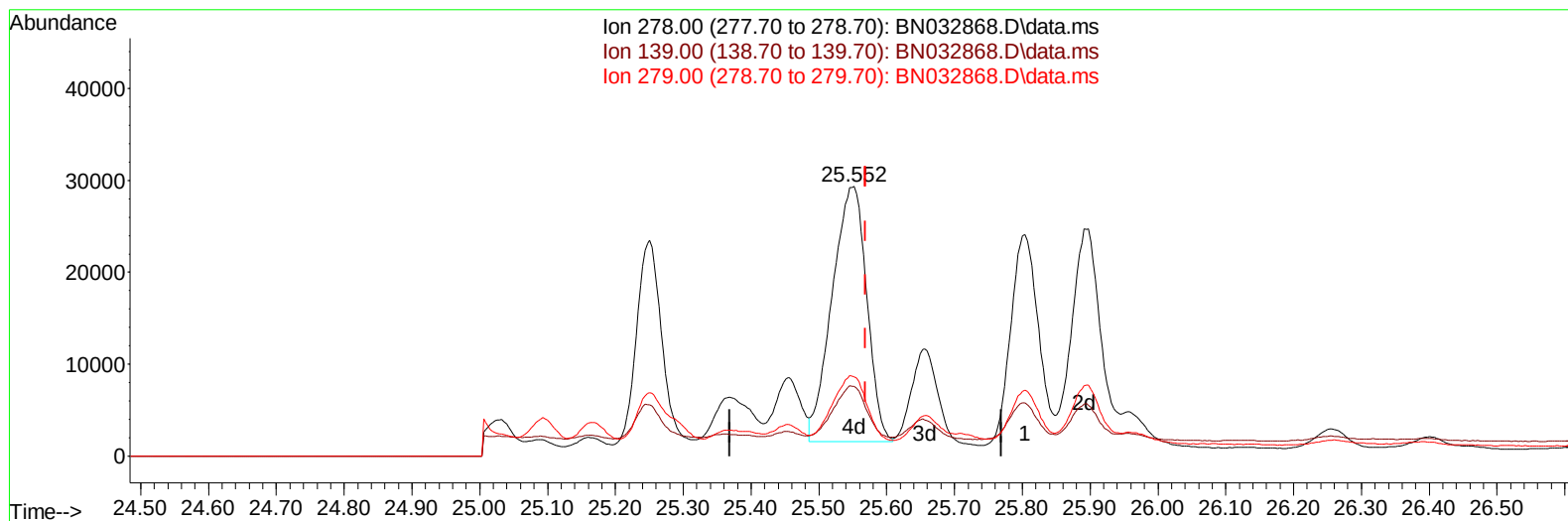
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032868.D
Acq On : 20 Jul 2024 08:03
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

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TIC: BN032868.D\data.ms

(28) Dibenzo(a,h)anthracene

25.552min (-0.017) 2.10 ng/ul m

response 98520

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	20.70	25.86#
279.00	29.60	29.40
0.00	0.00	0.00

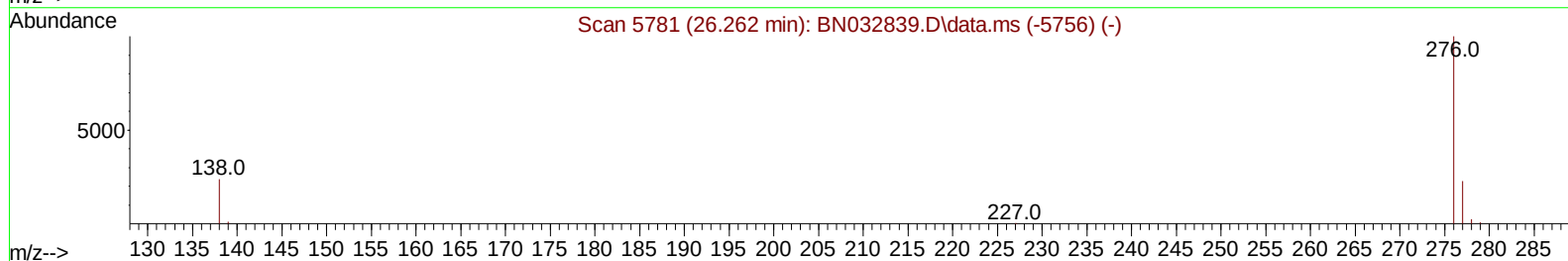
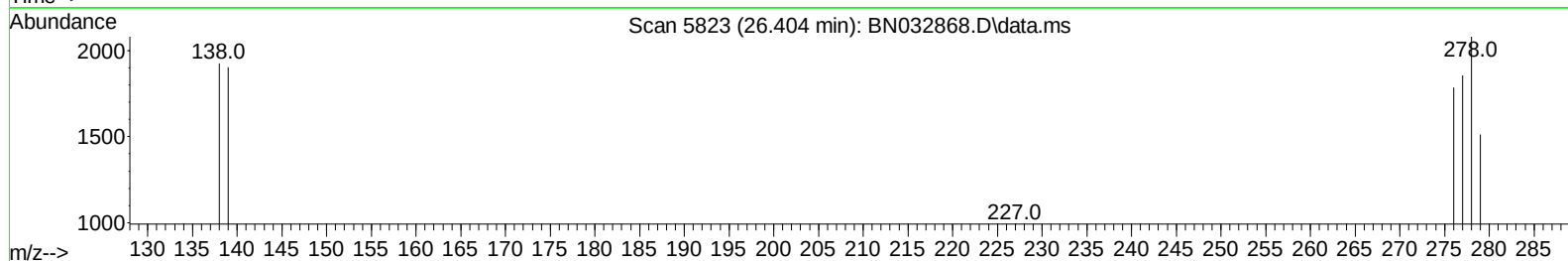
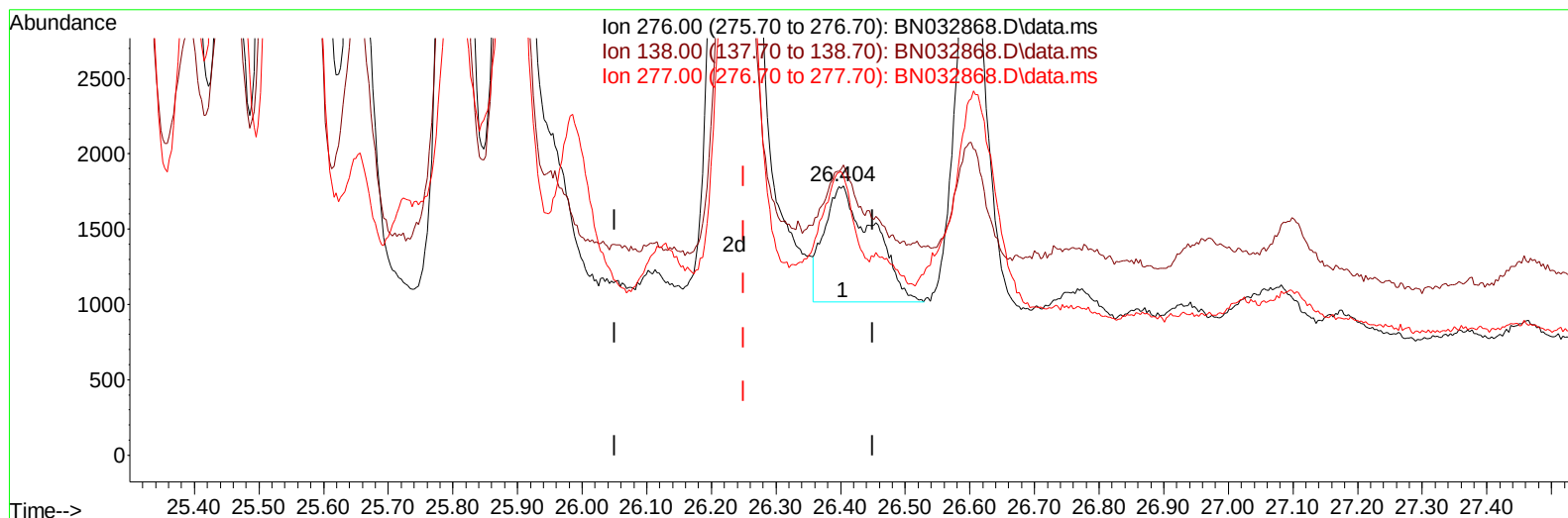
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032868.D
Acq On : 20 Jul 2024 08:03
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

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TIC: BN032868.D\data.ms

(29) Benzo(g,h,i)perylene

26.404min (+ 0.154) 0.08 ng/u1

response 4079

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	26.20	107.78#
277.00	25.80	103.81#
0.00	0.00	0.00

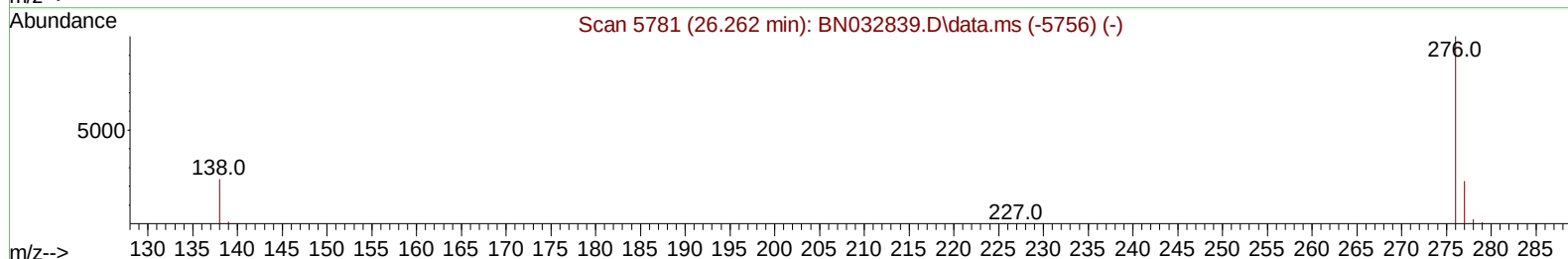
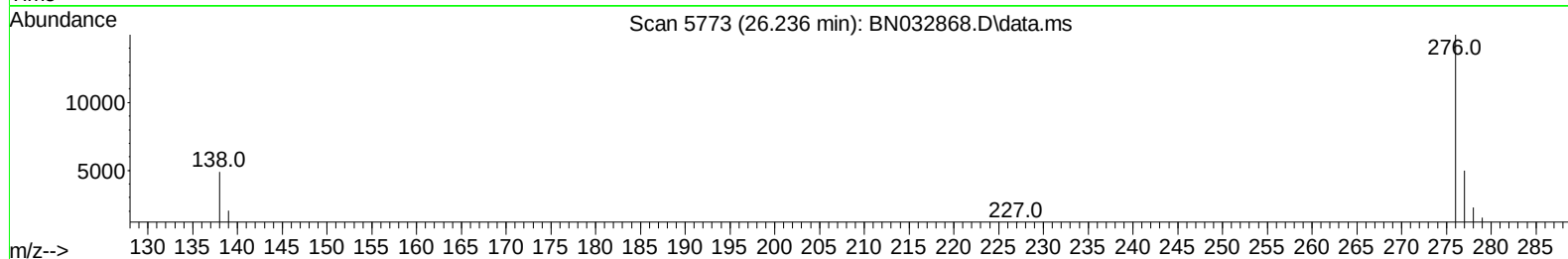
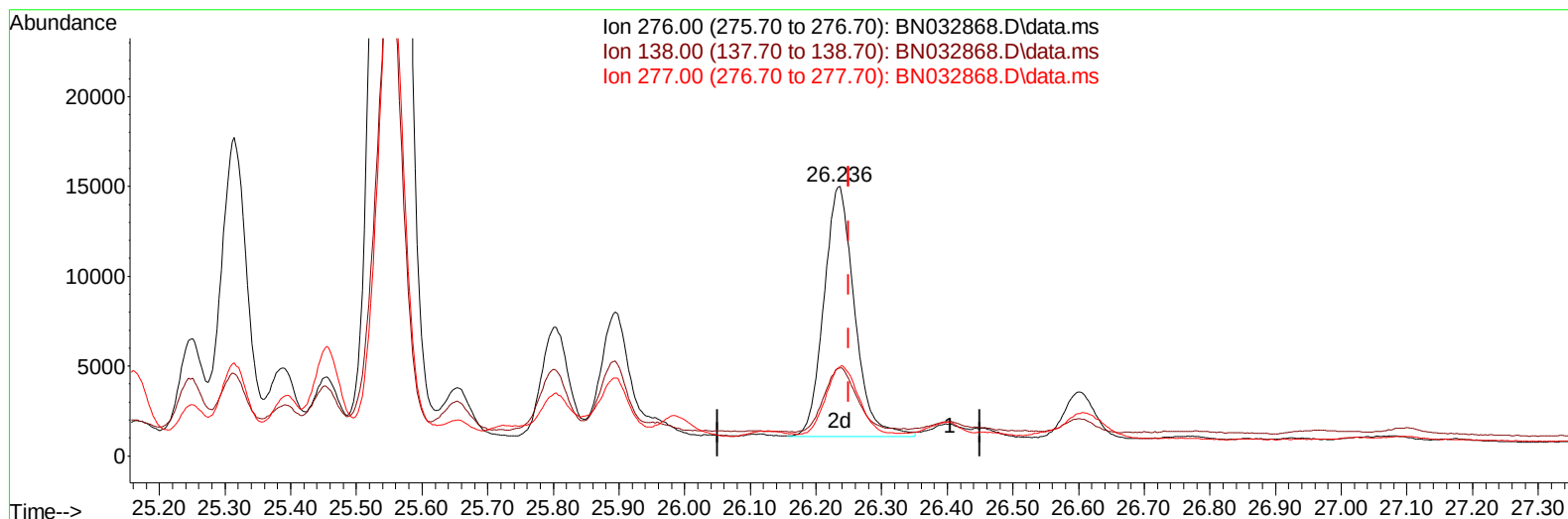
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032868.D
Acq On : 20 Jul 2024 08:03
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

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TIC: BN032868.D\data.ms

(29) Benzo(g,h,i)perylene

26.236min (-0.014) 0.90 ng/ul m

response 45292

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	26.20	32.64#
277.00	25.80	33.20#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
 Data File : BN032868.D
 Acq On : 20 Jul 2024 08:03
 Operator : MA/JU
 Sample : P3238-16
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4BZ6

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/22/2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.527	152	4864	0.400	ng/ul	0.00
4) Naphthalene-d8	10.294	136	15645	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.179	164	8269	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.936	188	14608m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.156	240	11176m	0.400	ng/ul	0.00
23) Perylene-d12	23.348	264	14643m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.085	96	13627	2.333	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.900	152	3882	0.164	ng/ul	-0.03
18) Fluoranthene-d10	18.980	212	5898m	0.162	ng/ul	-0.02
Target Compounds						
						Qvalue
5) Naphthalene	10.343	128	19732	0.470	ng/ul	98
7) 2-Methylnaphthalene	11.971	142	8190	0.312	ng/ul	97
8) 1-Methylnaphthalene	12.197	142	7176	0.265	ng/ul	100
10) Acenaphthylene	13.897	152	21304	0.638	ng/ul	99
11) Acenaphthene	14.239	153	31960	1.157	ng/ul	99
12) Fluorene	15.239	166	33858	1.072	ng/ul	99
15) Phenanthrene	16.978	178	645396m	16.223	ng/ul	
16) Anthracene	17.071	178	122523m	3.770	ng/ul	
19) Fluoranthene	19.013	202	1151583m	25.343	ng/ul	
20) Pyrene	19.380	202	846452m	17.997	ng/ul	
21) Benzo(a)anthracene	21.138	228	511540m	14.379	ng/ul	
22) Chrysene	21.191	228	560762m	10.896	ng/ul	
24) Benzo(b)fluoranthene	22.693	252	783418m	15.163	ng/ul	
25) Benzo(k)fluoranthene	22.731	252	263609m	4.187	ng/ul	
26) Benzo(a)pyrene	23.254	252	317195m	7.094	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.552	276	299310m	4.944	ng/ul	
28) Dibenzo(a,h)anthracene	25.552	278	98520m	2.099	ng/ul	
29) Benzo(g,h,i)perylene	26.236	276	45292m	0.895	ng/ul	

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

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Operator : MA/JU
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Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

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