

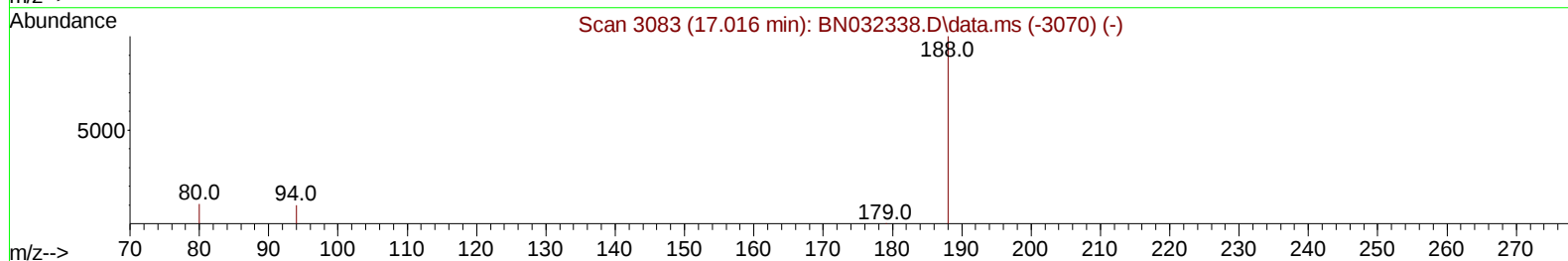
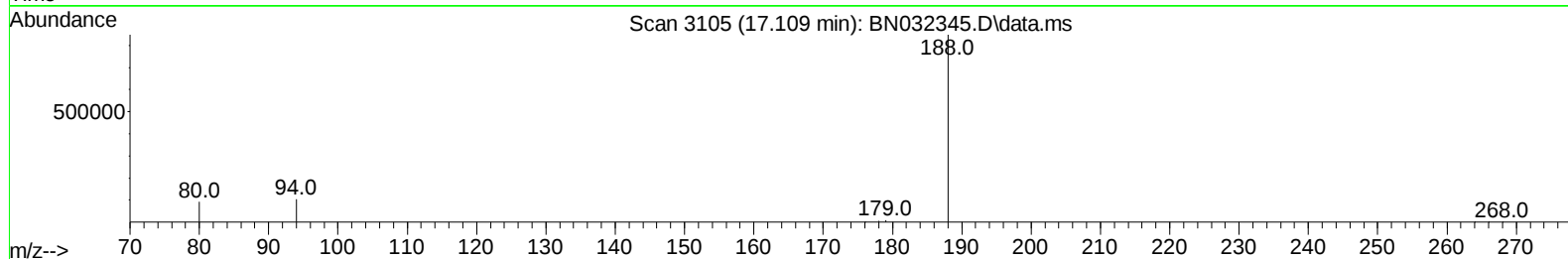
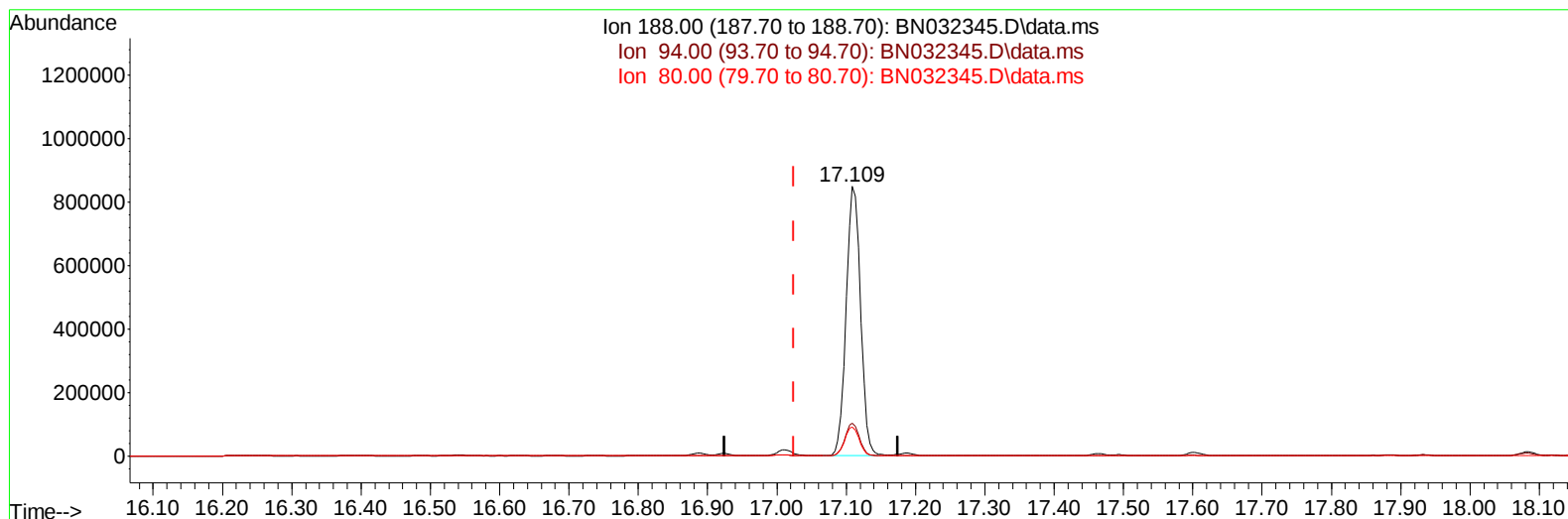
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032345.D
Acq On : 29 Jun 2024 11:05
Operator : MA/JU
Sample : P2934-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP9

Manual IntegrationsAPPROVED

Quant Time: Jun 30 23:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032345.D\data.ms

(13) Phenanthrene-d10 (I)

17.109min (+ 0.084) 0.40 ng/u1

response 1225841

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	12.12
80.00	10.50	10.73
0.00	0.00	0.00

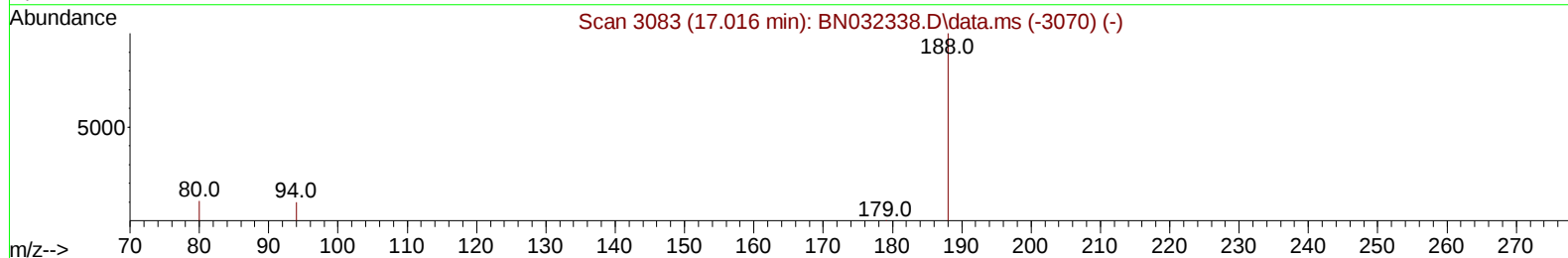
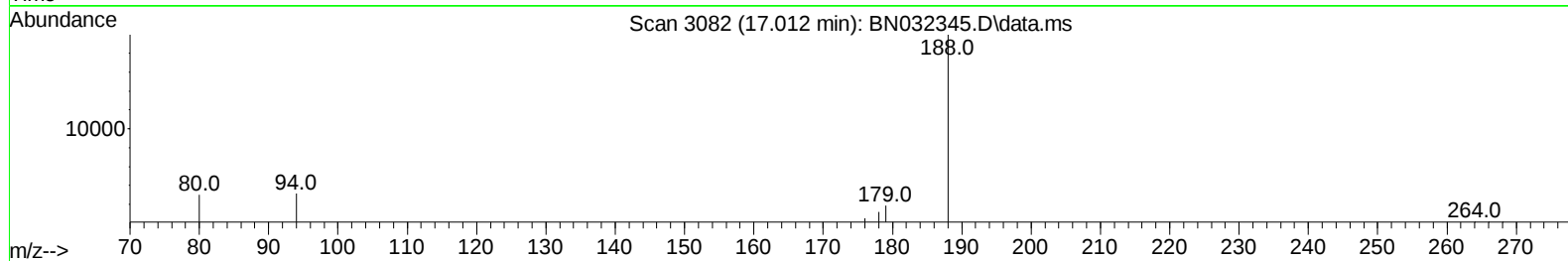
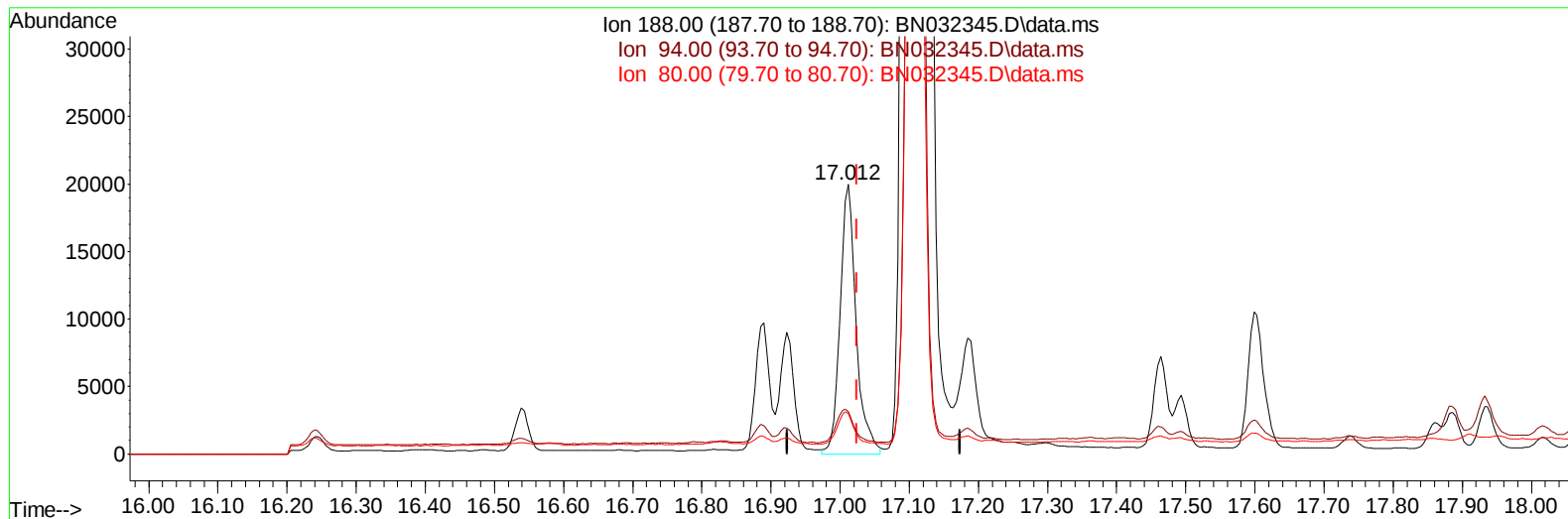
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032345.D
Acq On : 29 Jun 2024 11:05
Operator : MA/JU
Sample : P2934-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP9

Manual IntegrationsAPPROVED

Quant Time: Jun 30 23:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032345.D\data.ms

(13) Phenanthrene-d10 (I)

17.012min (-0.013) 0.40 ng/u1 m

response 32100

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	15.75#
80.00	10.50	14.93#
0.00	0.00	0.00

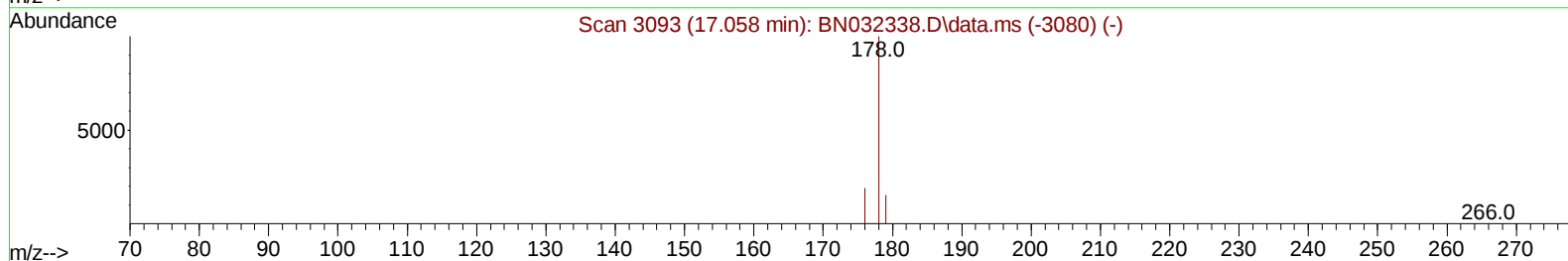
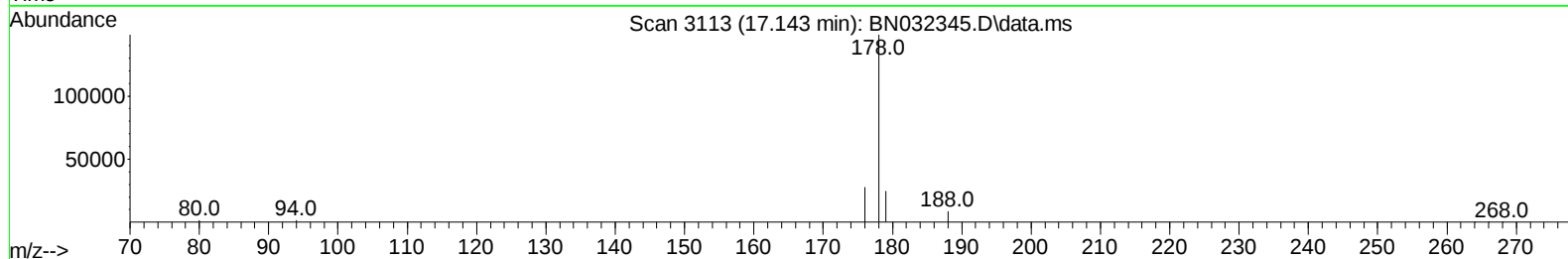
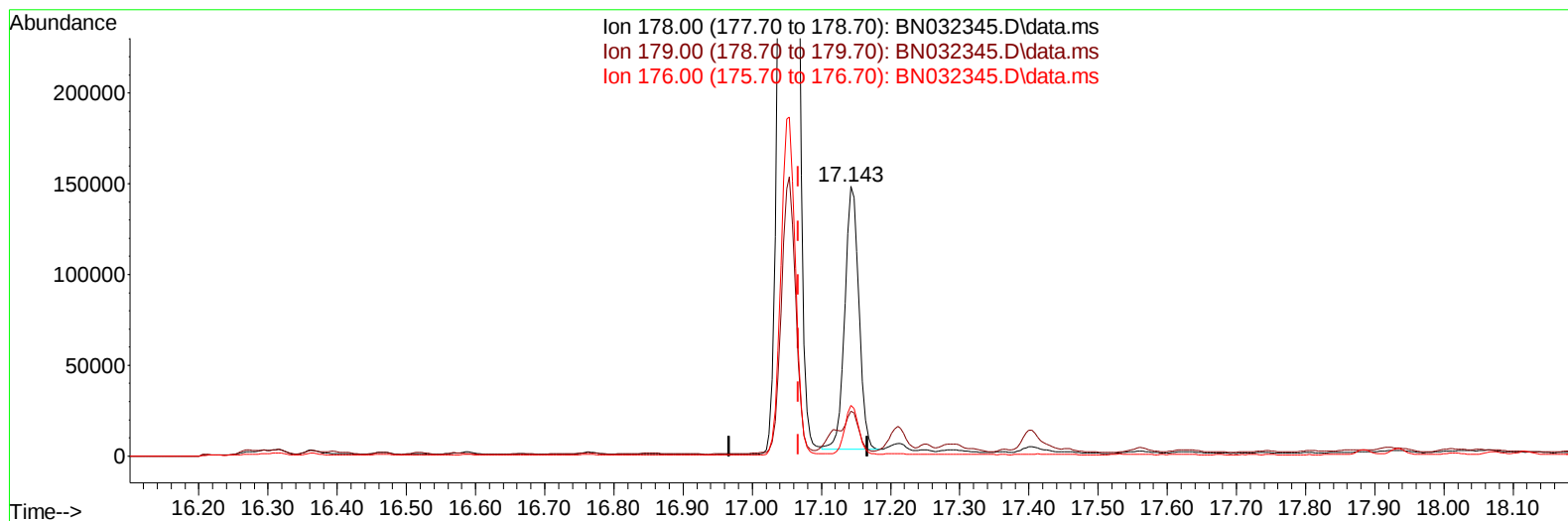
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032345.D
Acq On : 29 Jun 2024 11:05
Operator : MA/JU
Sample : P2934-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP9

Manual IntegrationsAPPROVED

Quant Time: Jun 30 23:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032345.D\data.ms

(15) Phenanthrene

17.143min (+ 0.076) 2.33 ng/u1

response 205137

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	16.63
176.00	19.50	18.69
0.00	0.00	0.00

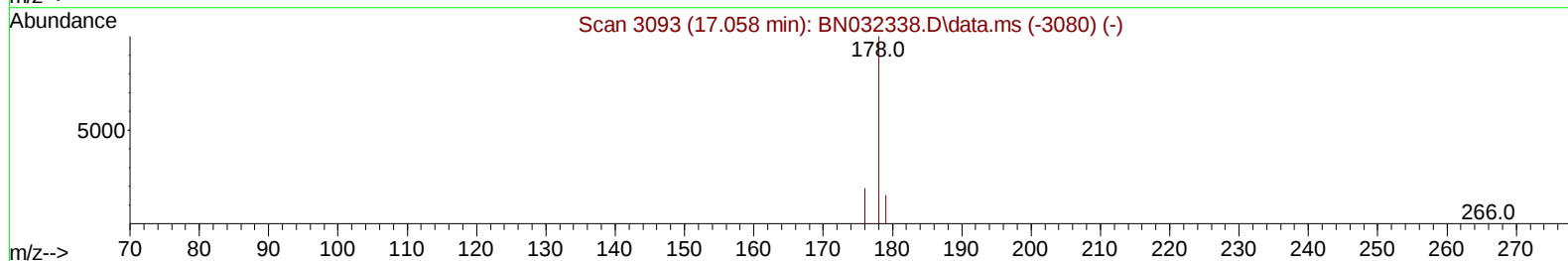
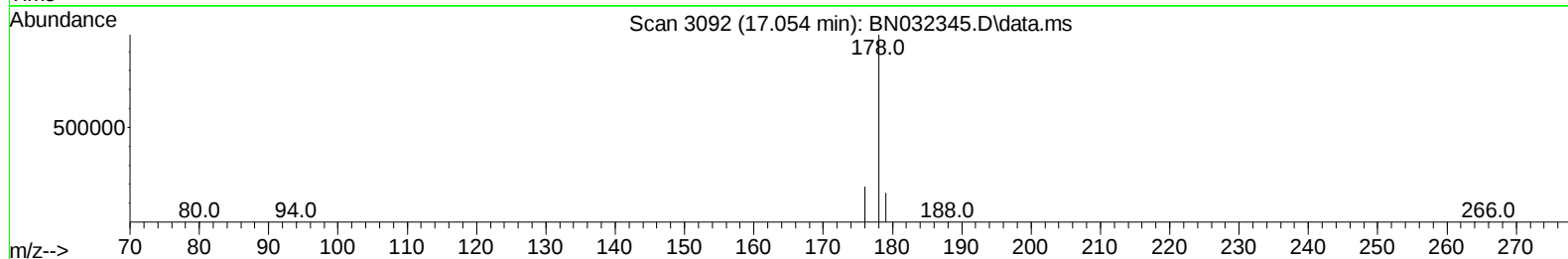
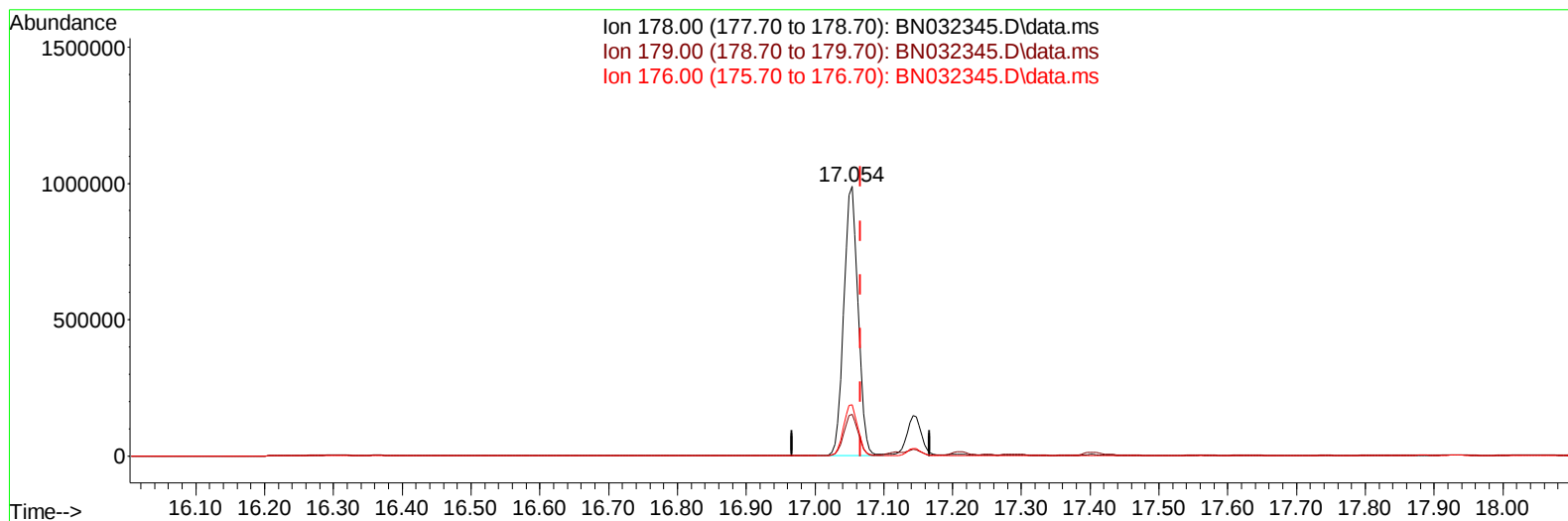
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032345.D
Acq On : 29 Jun 2024 11:05
Operator : MA/JU
Sample : P2934-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP9

Manual IntegrationsAPPROVED

Quant Time: Jun 30 23:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032345.D\data.ms

(15) Phenanthrene

17.054min (-0.013) 16.27 ng/ul m

response 1431821

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	15.55
176.00	19.50	18.91
0.00	0.00	0.00

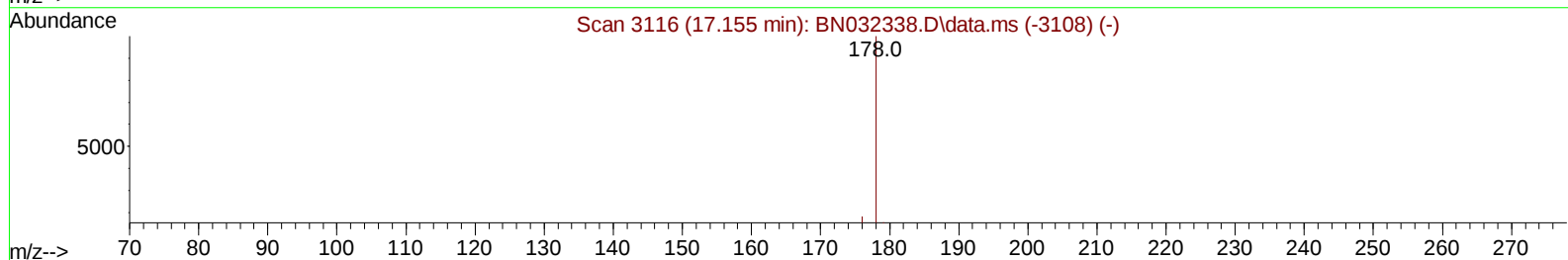
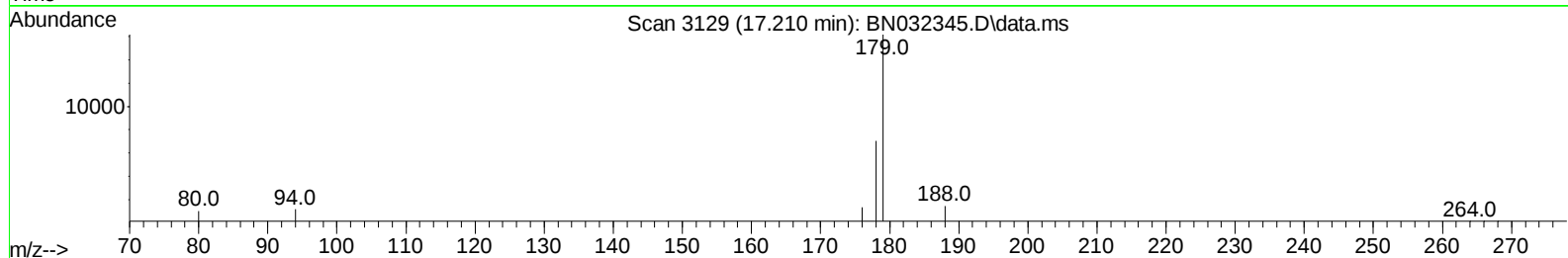
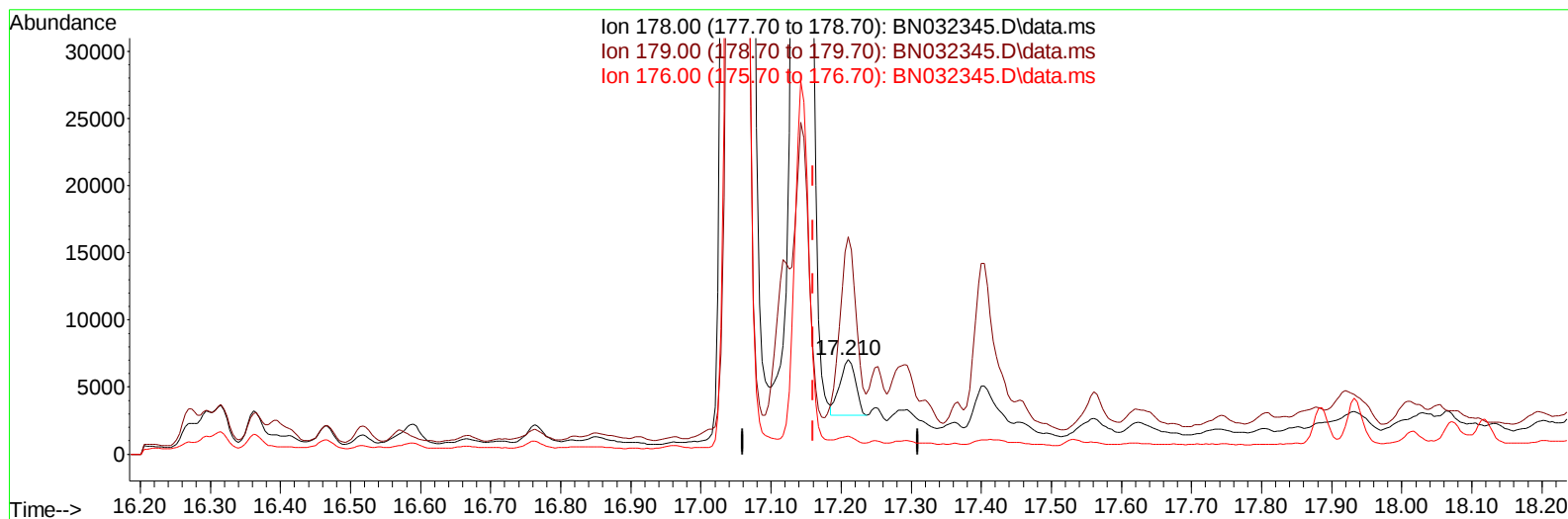
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032345.D
Acq On : 29 Jun 2024 11:05
Operator : MA/JU
Sample : P2934-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP9

Manual IntegrationsAPPROVED

Quant Time: Jun 30 23:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032345.D\data.ms

(16) Anthracene

17.210min (+ 0.051) 0.08 ng/u1

response 6511

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.60	229.77#
176.00	18.80	19.08
0.00	0.00	0.00

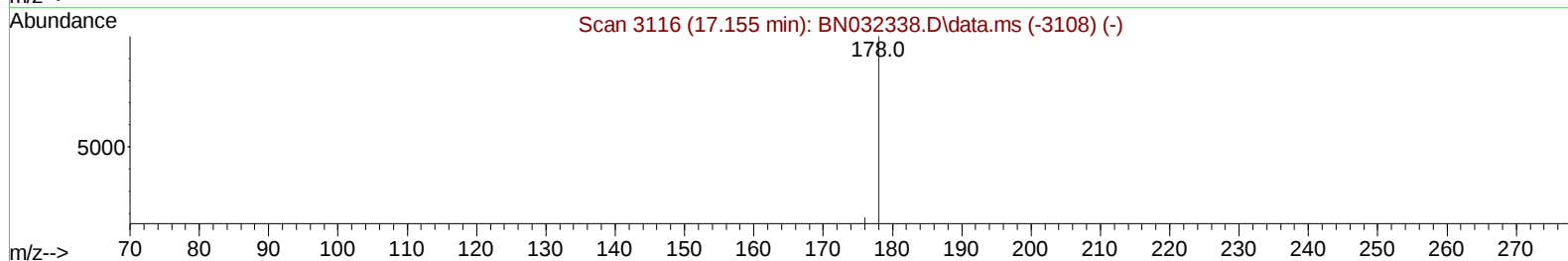
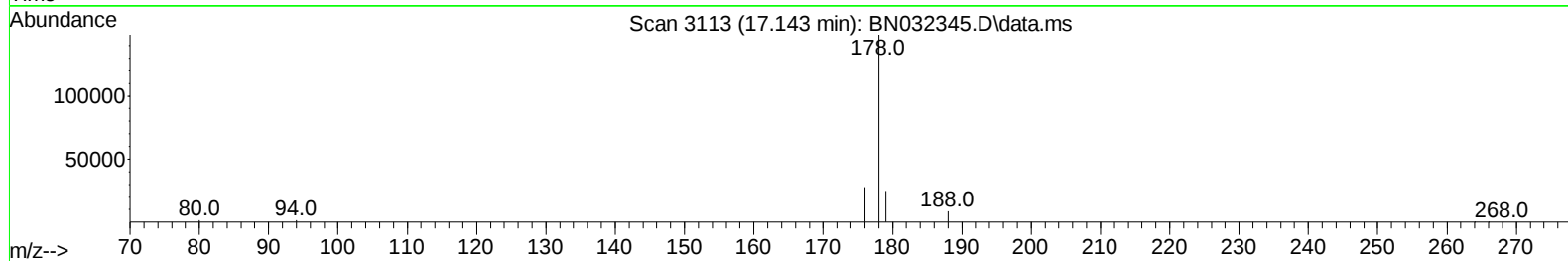
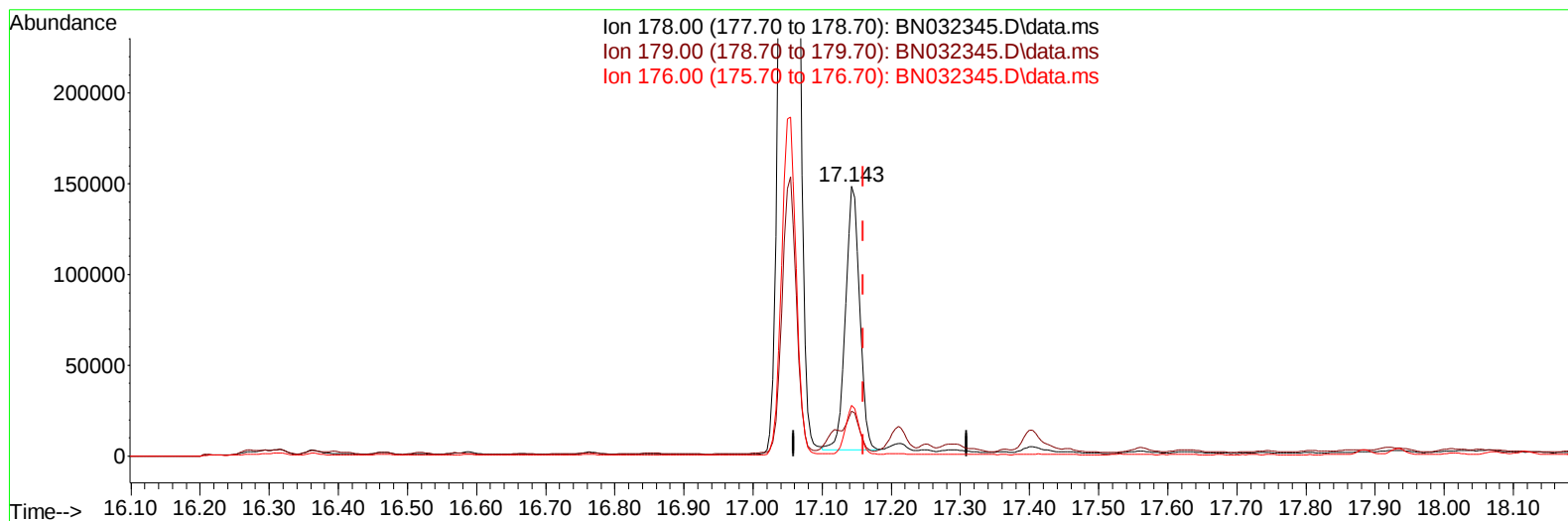
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032345.D
Acq On : 29 Jun 2024 11:05
Operator : MA/JU
Sample : P2934-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP9

Manual IntegrationsAPPROVED

Quant Time: Jun 30 23:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032345.D\data.ms

(16) Anthracene

17.143min (-0.017) 2.64 ng/u1 m

response 207330

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.60	16.63
176.00	18.80	18.69
0.00	0.00	0.00

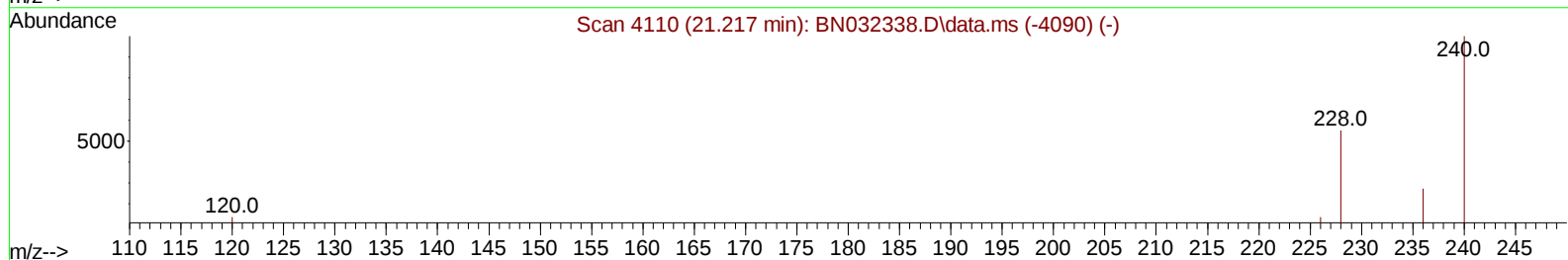
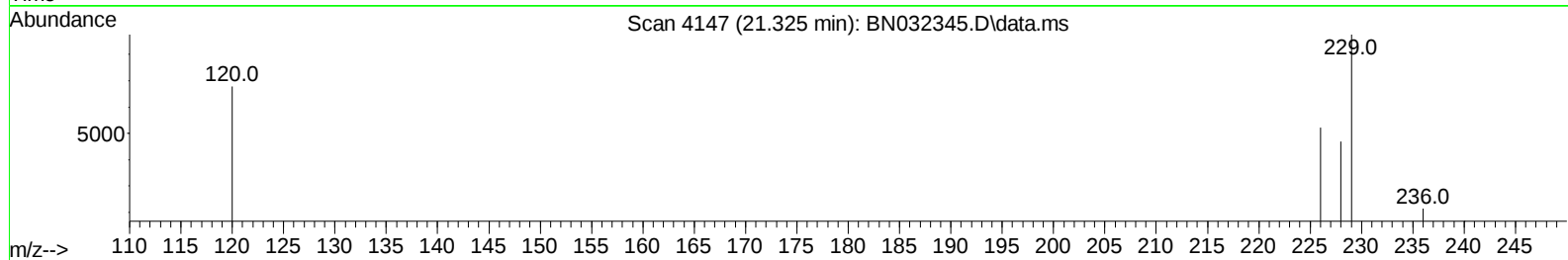
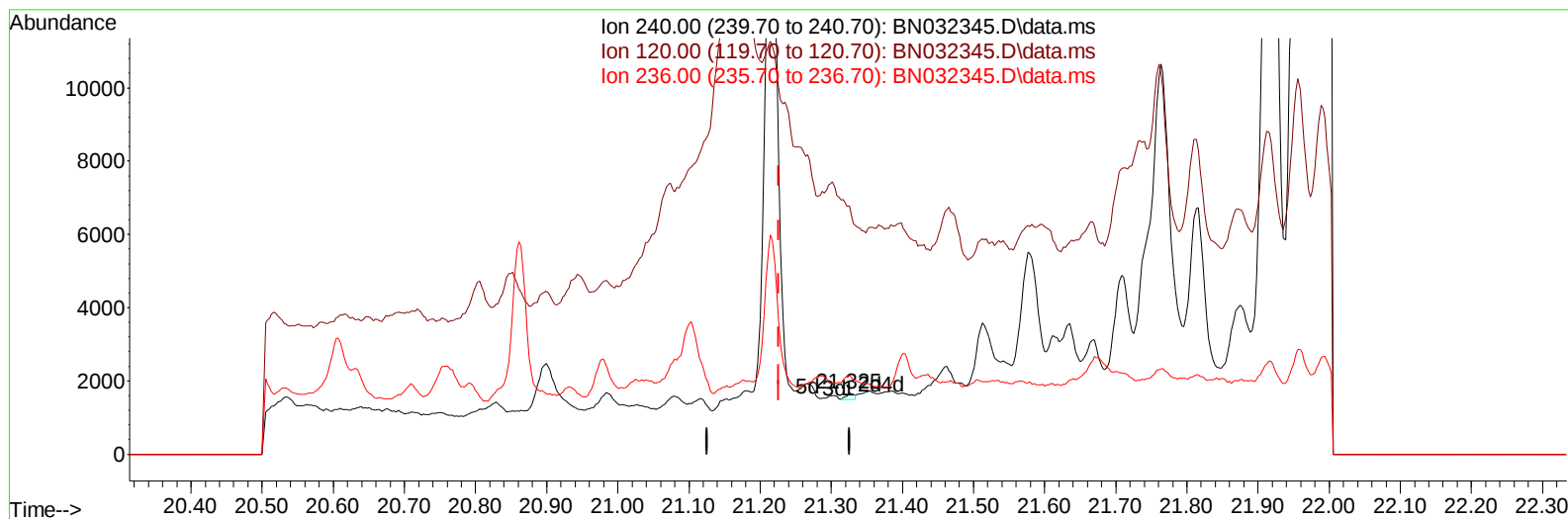
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032345.D
Acq On : 29 Jun 2024 11:05
Operator : MA/JU
Sample : P2934-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP9

Manual IntegrationsAPPROVED

Quant Time: Jun 30 23:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032345.D\data.ms

(17) Chrysene-d12

21.325min (+ 0.099) 0.40 ng/u1

response 146

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.80	408.92#
236.00	28.40	129.28#
0.00	0.00	0.00

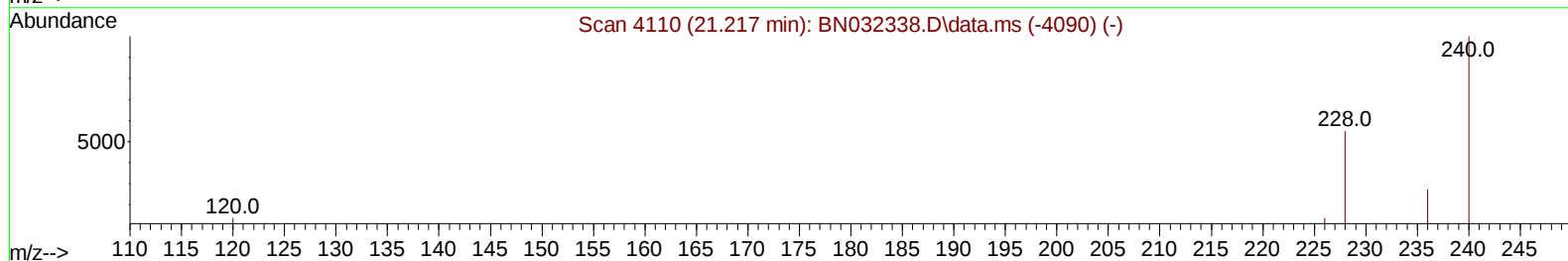
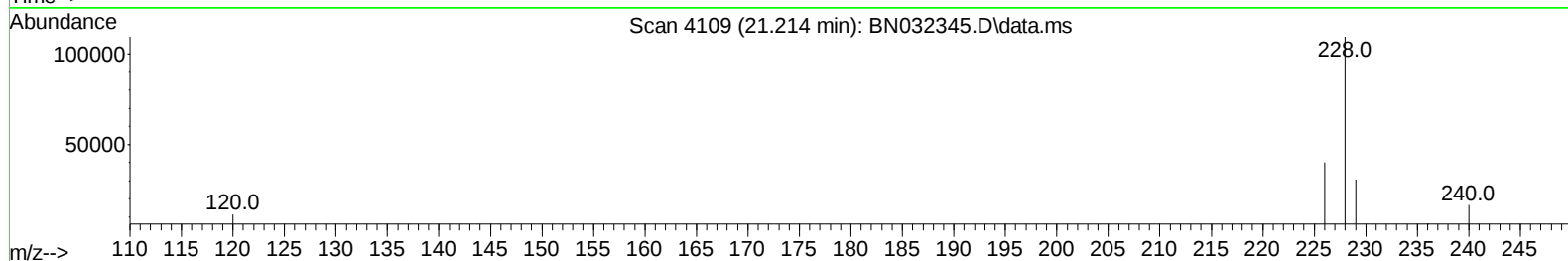
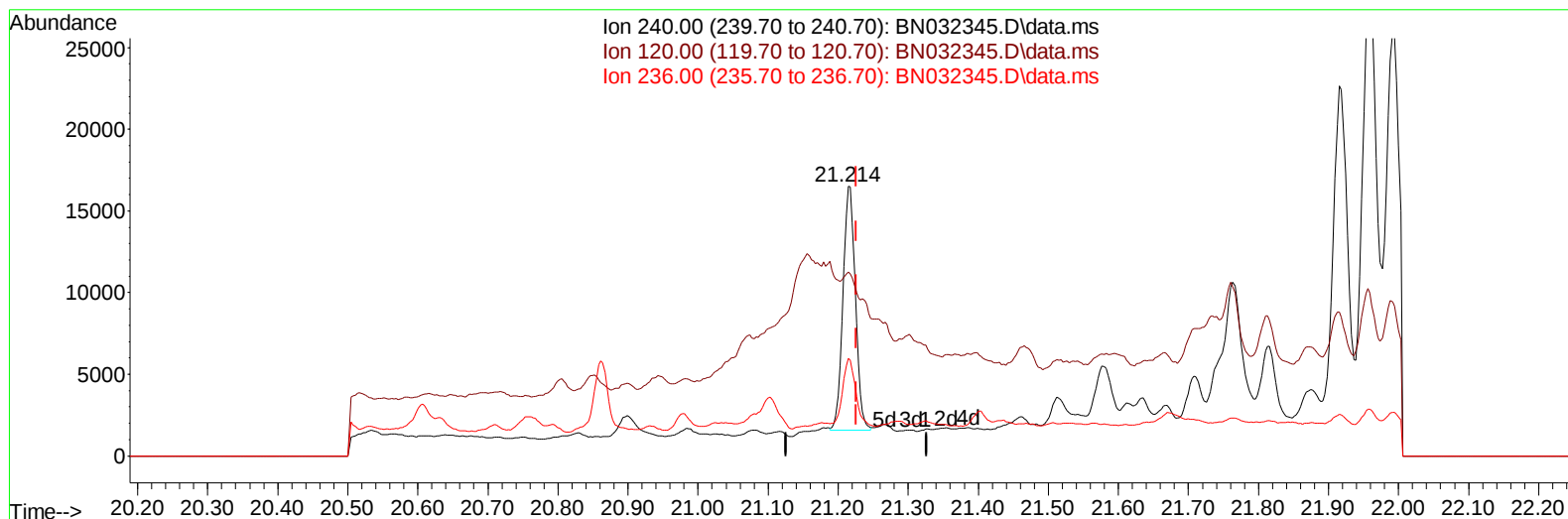
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032345.D
Acq On : 29 Jun 2024 11:05
Operator : MA/JU
Sample : P2934-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP9

Manual IntegrationsAPPROVED

Quant Time: Jun 30 23:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032345.D\data.ms

(17) Chrysene-d12

21.214min (-0.012) 0.40 ng/ul m

response 18361

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.80	68.29#
236.00	28.40	36.31#
0.00	0.00	0.00

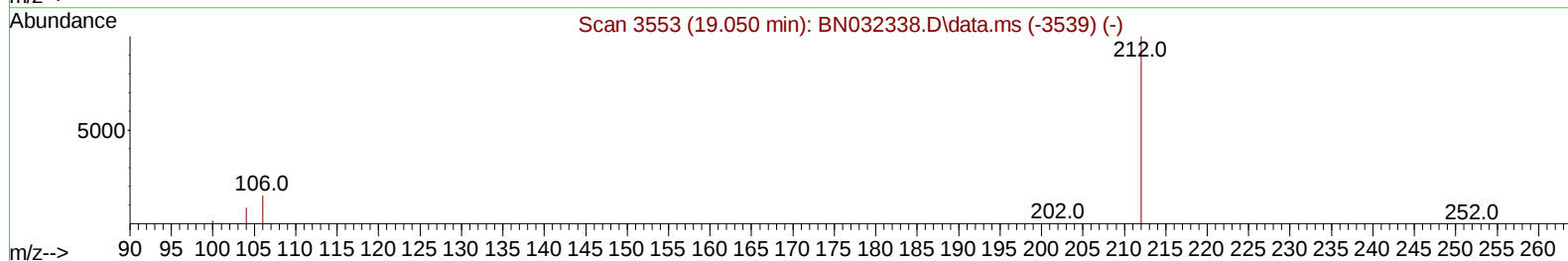
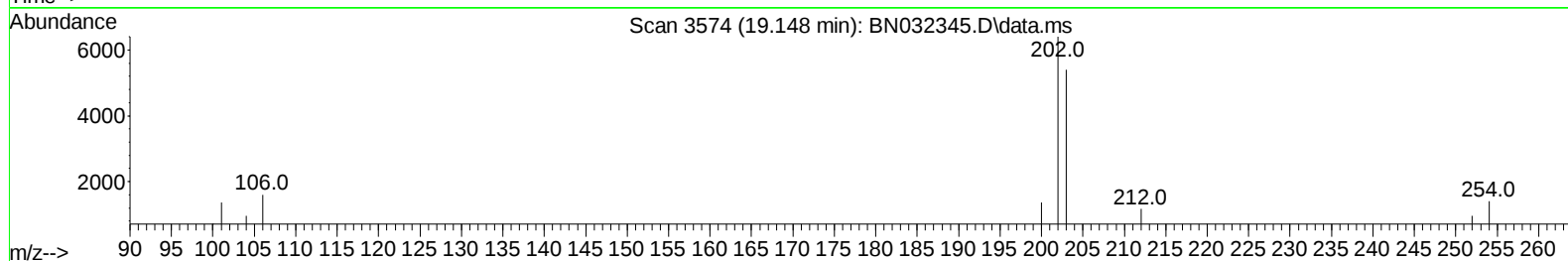
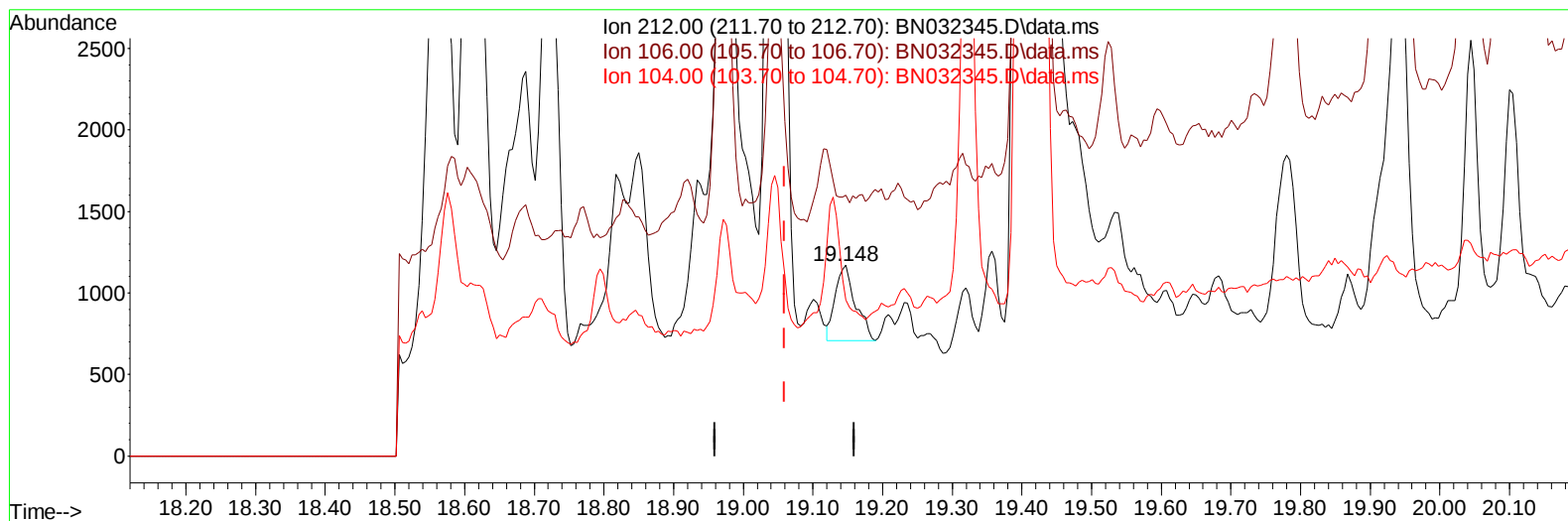
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032345.D
Acq On : 29 Jun 2024 11:05
Operator : MA/JU
Sample : P2934-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP9

Manual IntegrationsAPPROVED

Quant Time: Jun 30 23:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

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TIC: BN032345.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.148min (+ 0.088) 0.02 ng/u1

response 919

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	14.70	0.00#
104.00	8.40	0.00#
0.00	0.00	0.00

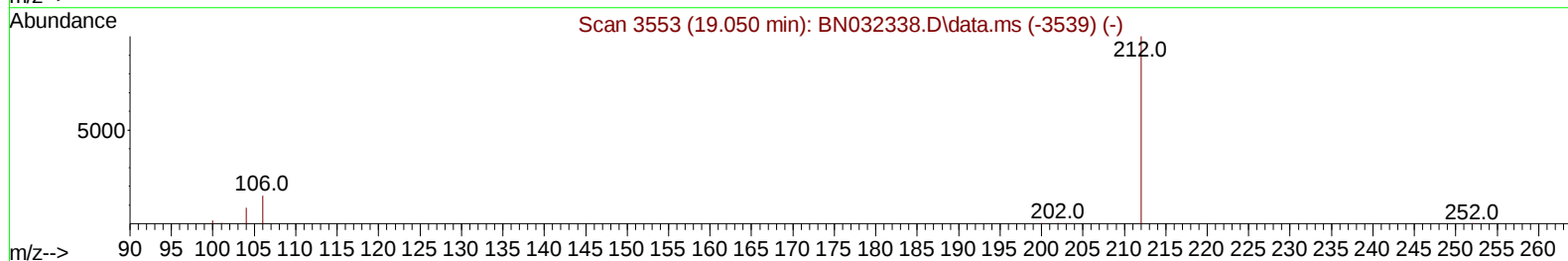
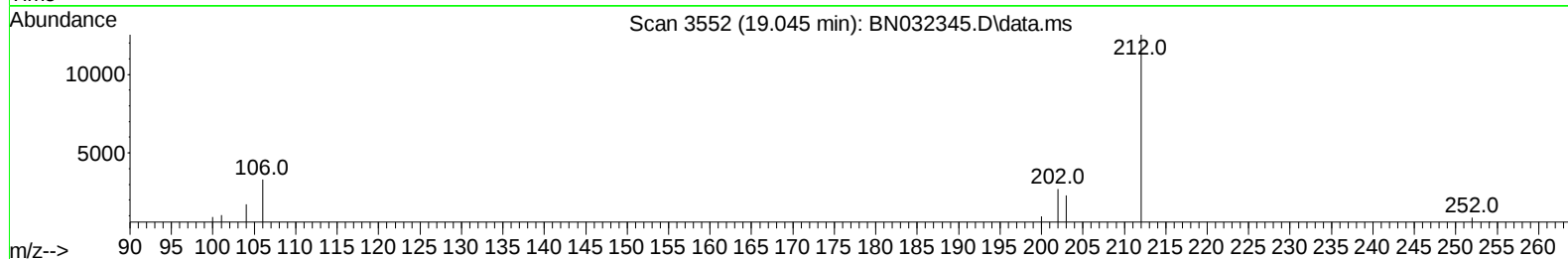
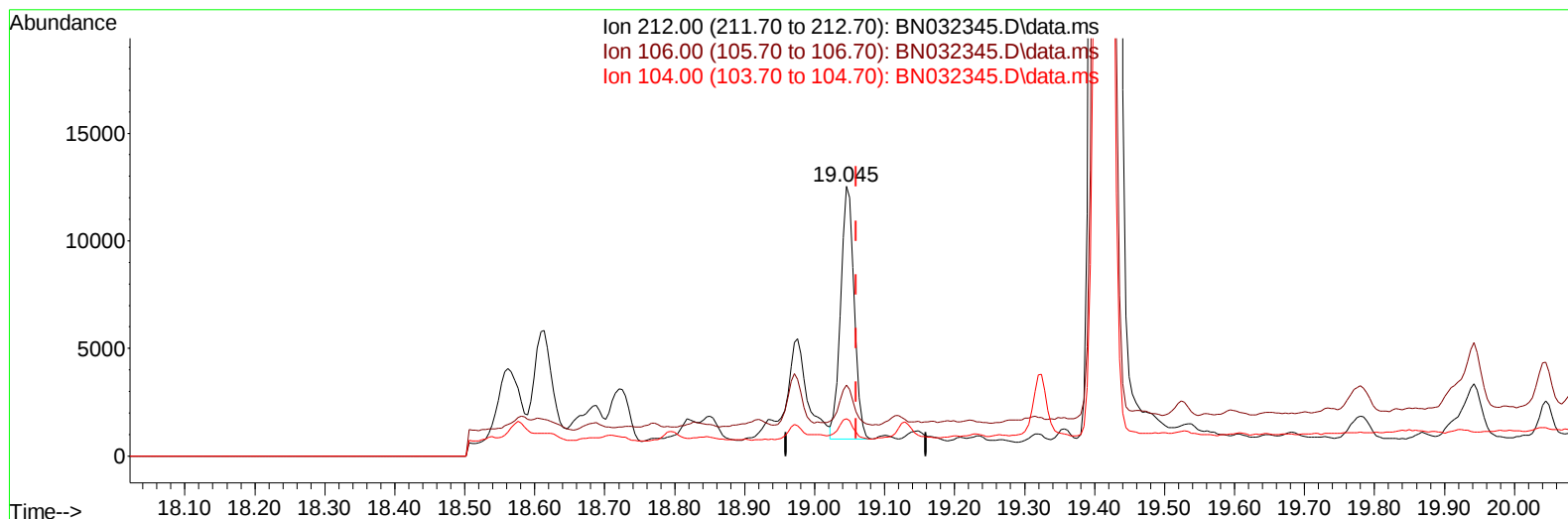
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032345.D
Acq On : 29 Jun 2024 11:05
Operator : MA/JU
Sample : P2934-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP9

Manual IntegrationsAPPROVED

Quant Time: Jun 30 23:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032345.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.045min (-0.014) 0.29 ng/ul m

response 15910

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	14.70	0.00#
104.00	8.40	0.00#
0.00	0.00	0.00

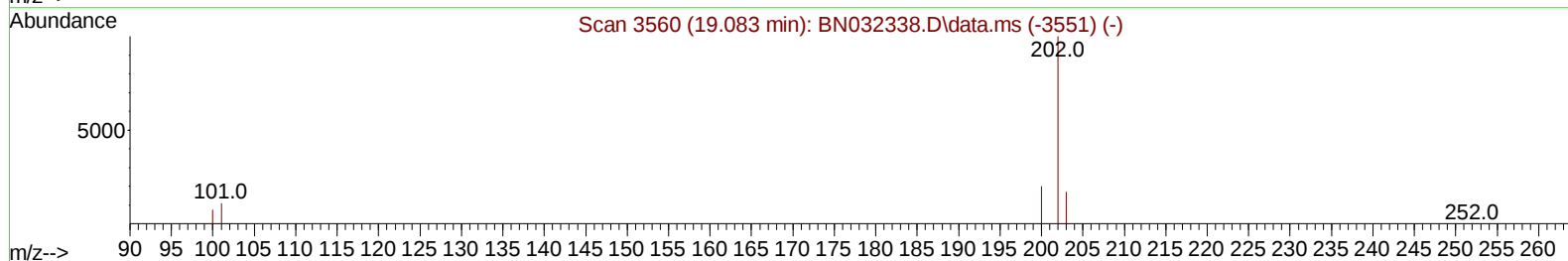
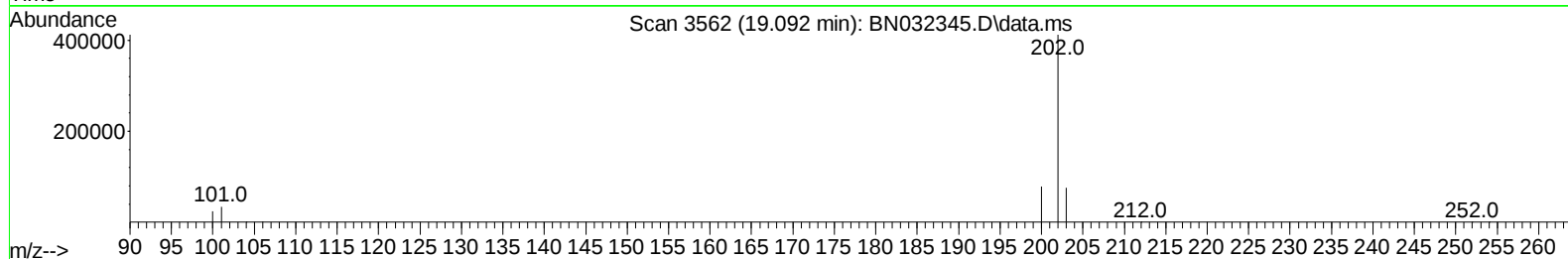
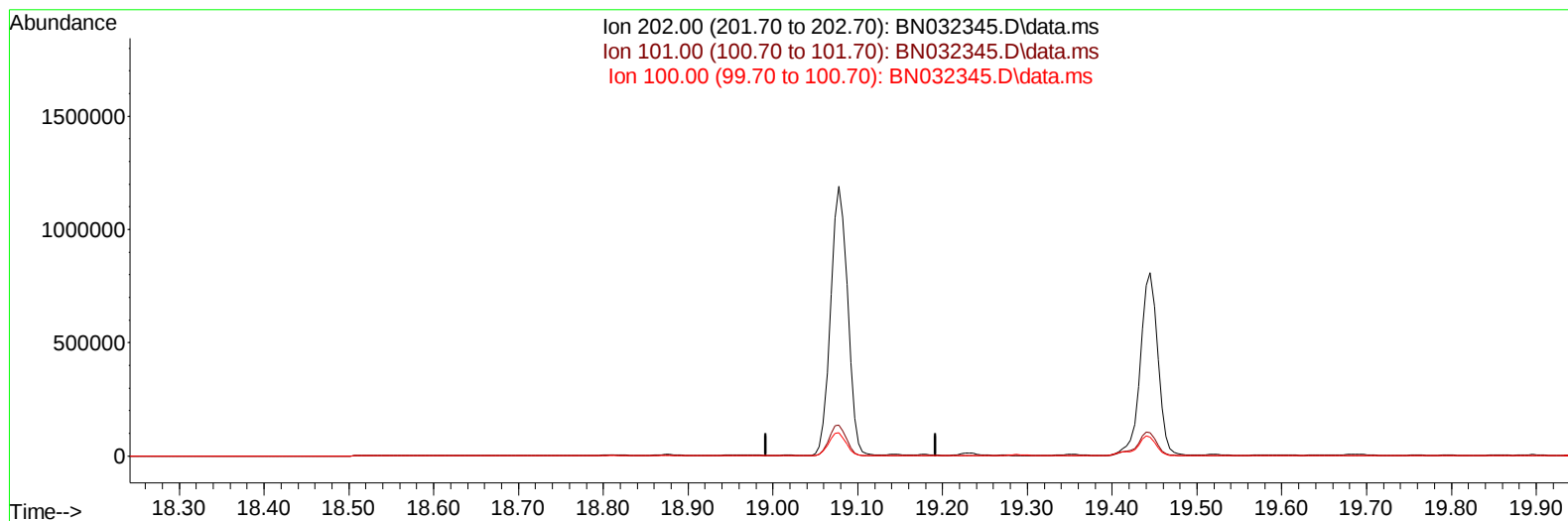
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032345.D
Acq On : 29 Jun 2024 11:05
Operator : MA/JU
Sample : P2934-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP9

Manual IntegrationsAPPROVED

Quant Time: Jun 30 23:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
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Reviewed By :Yogesh Patel 07/01/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032345.D\data.ms

(19) Fluoranthene (C)

19.092min (-19.092) 0.00 ng/u1

response 0

Ion	Exp%	Act%
202.00	100.00	0.00
101.00	11.00	0.00#
100.00	8.00	0.00#
0.00	0.00	0.00

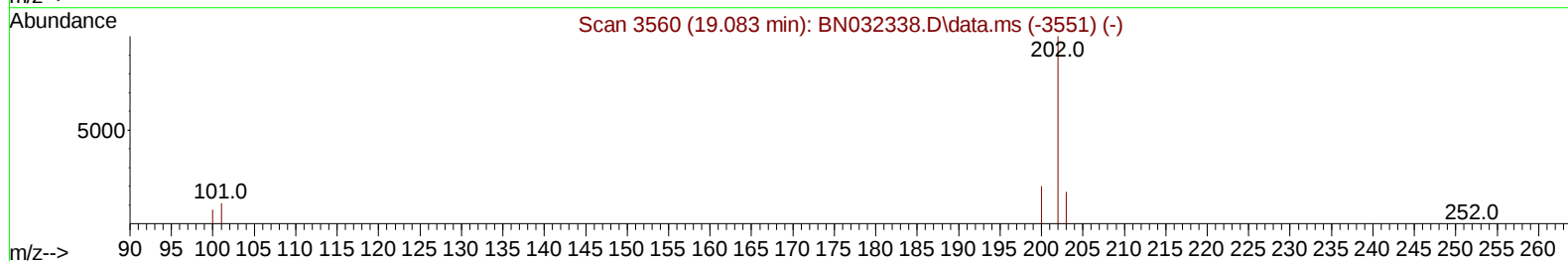
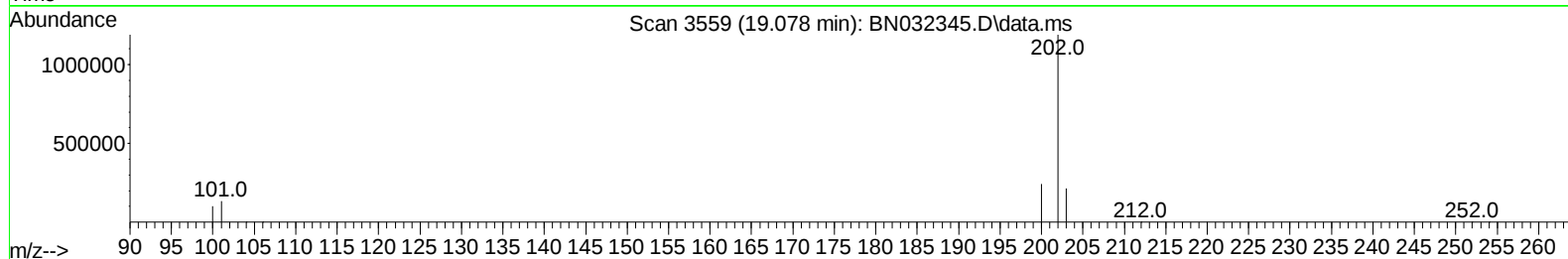
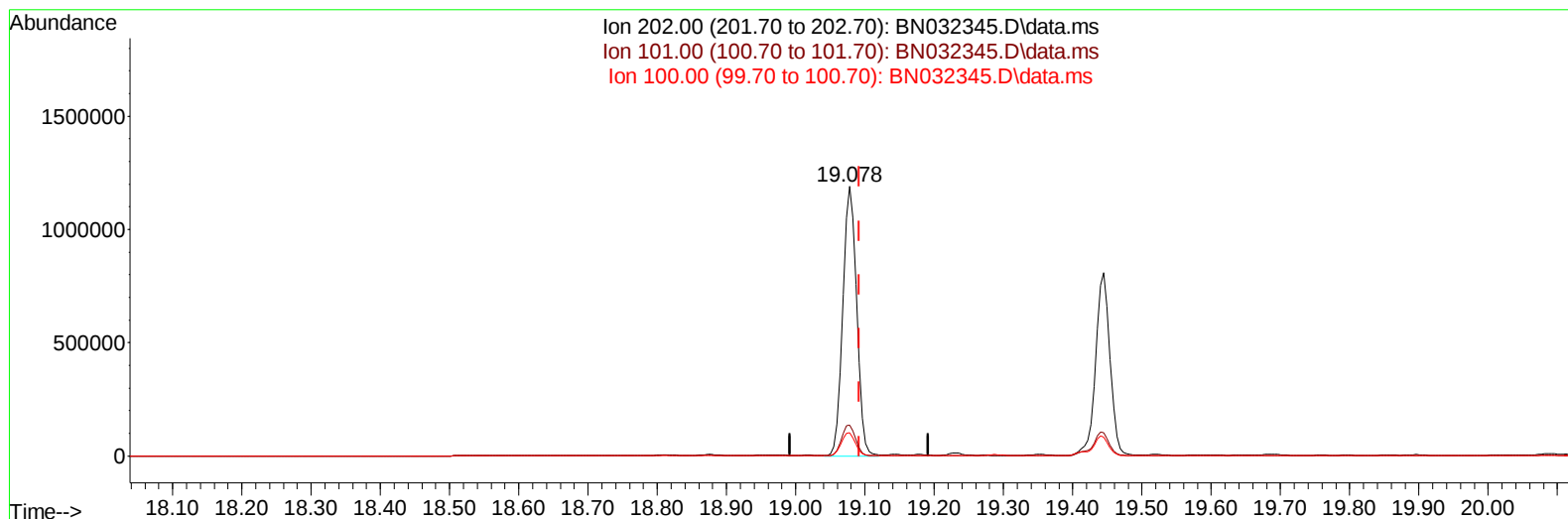
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032345.D
Acq On : 29 Jun 2024 11:05
Operator : MA/JU
Sample : P2934-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP9

Manual IntegrationsAPPROVED

Quant Time: Jun 30 23:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
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Reviewed By :Yogesh Patel 07/01/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032345.D\data.ms

(19) Fluoranthene (C)

19.078min (-0.014) 23.95 ng/ul m

response 1674686

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.00	11.36
100.00	8.00	8.53
0.00	0.00	0.00

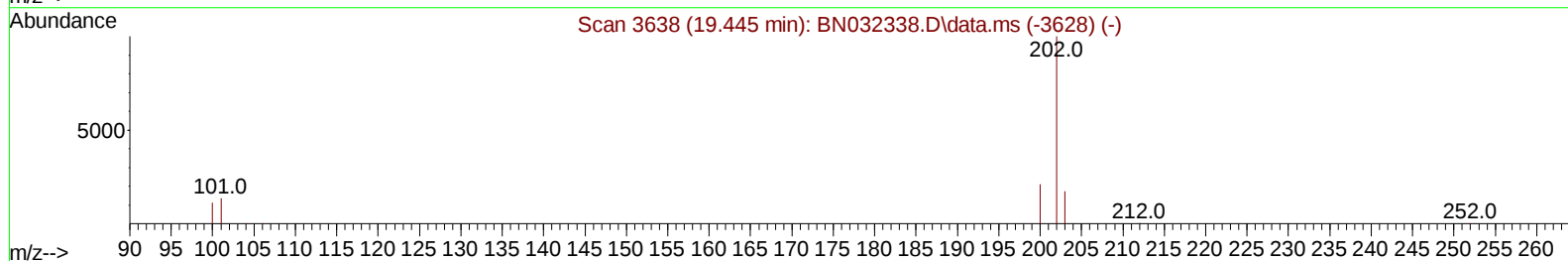
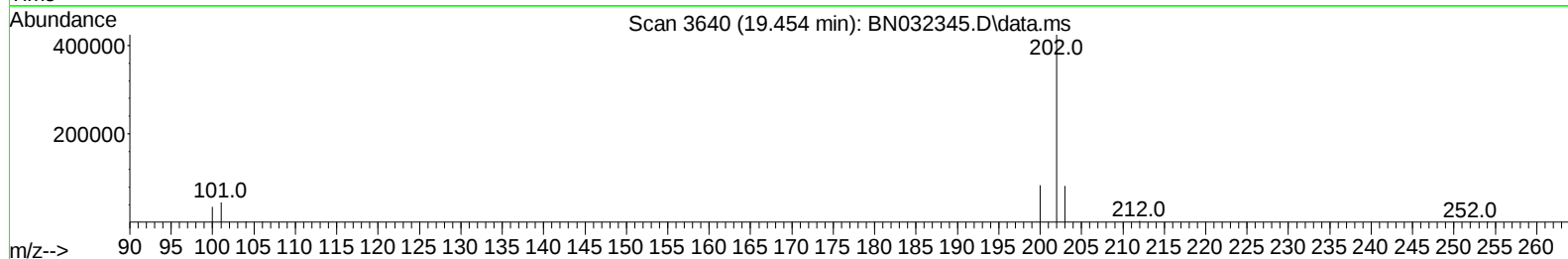
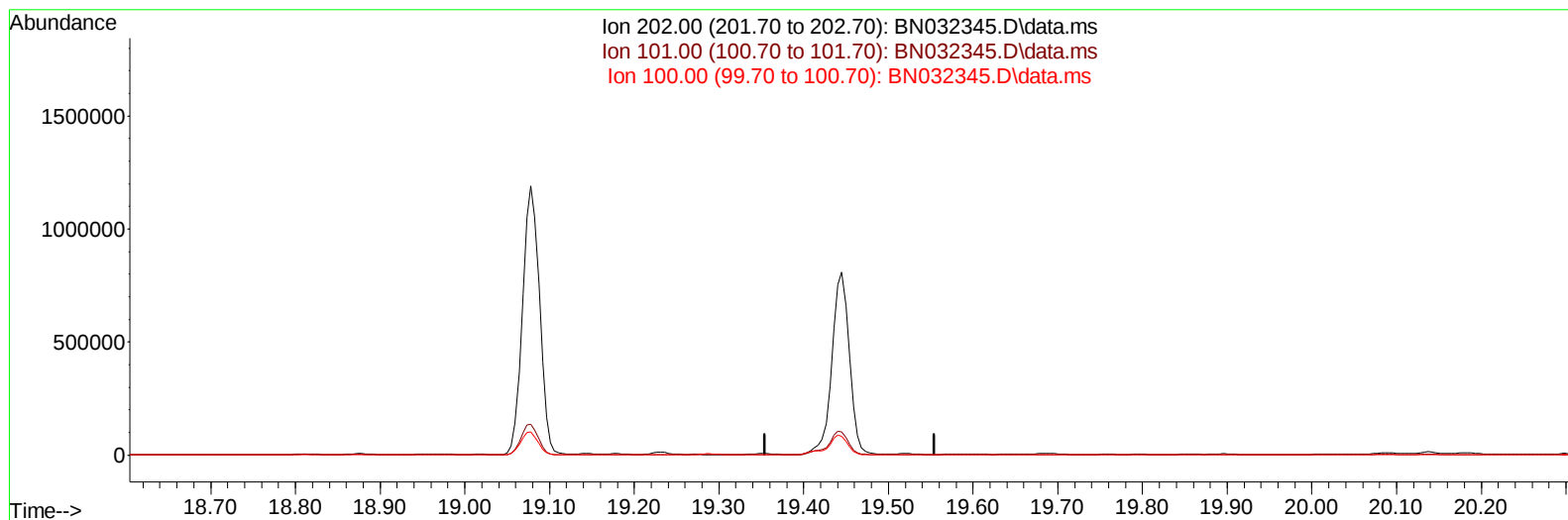
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032345.D
Acq On : 29 Jun 2024 11:05
Operator : MA/JU
Sample : P2934-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP9

Manual IntegrationsAPPROVED

Quant Time: Jun 30 23:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
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Reviewed By :Yogesh Patel 07/01/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032345.D\data.ms

(20) Pyrene

19.454min (-19.454) 0.00 ng/u1

response 0

Ion	Exp%	Act%
202.00	100.00	0.00
101.00	13.70	0.00#
100.00	10.90	0.00#
0.00	0.00	0.00

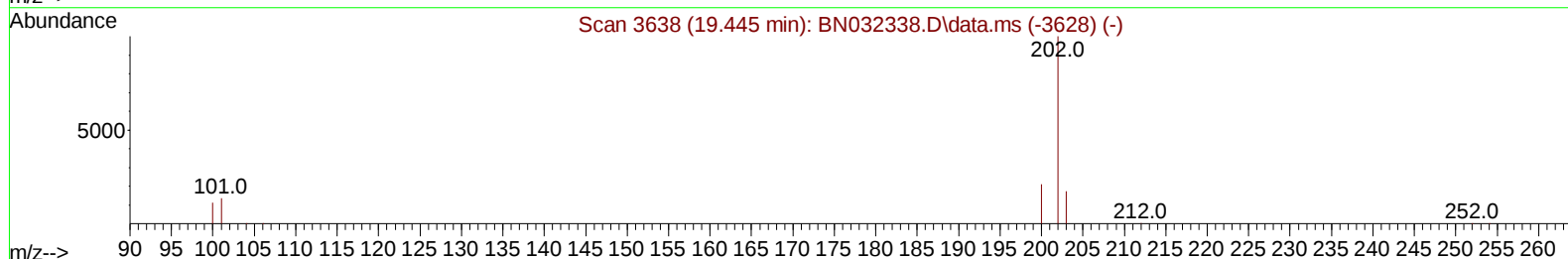
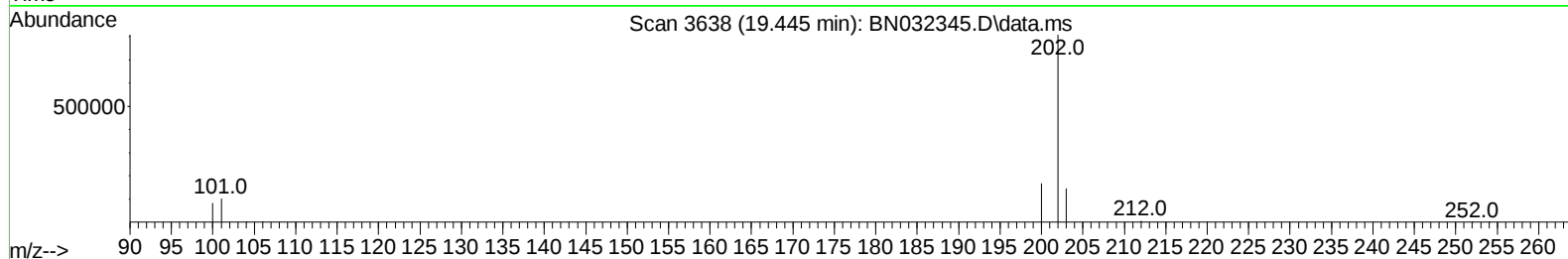
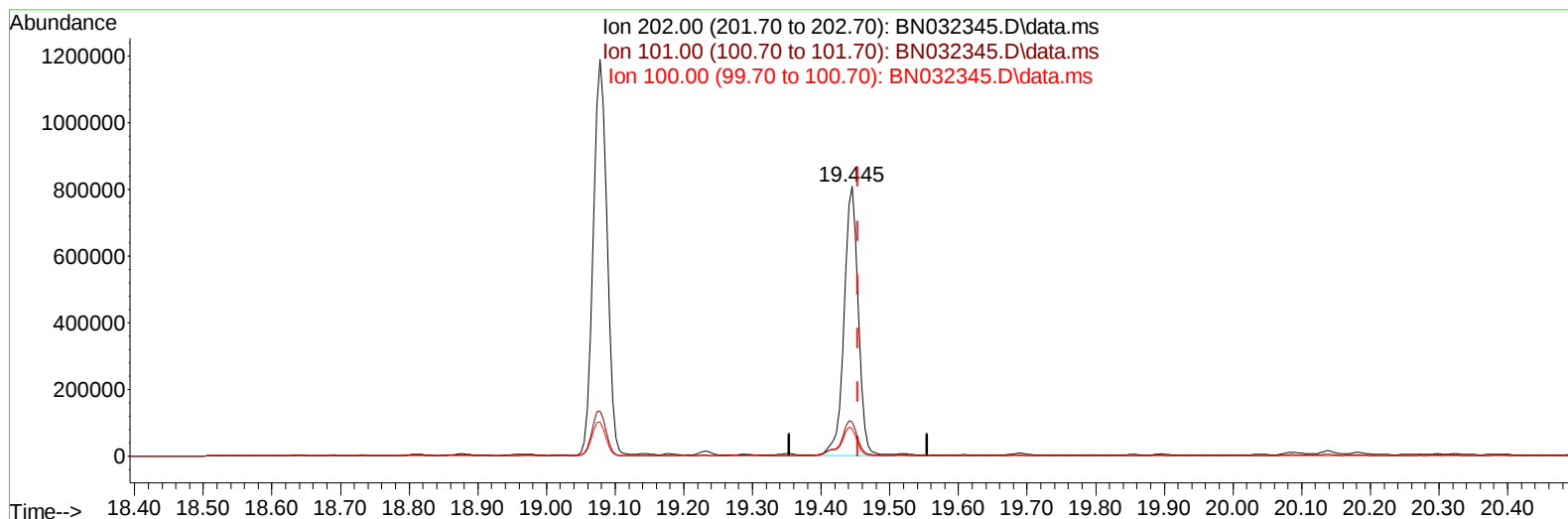
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032345.D
Acq On : 29 Jun 2024 11:05
Operator : MA/JU
Sample : P2934-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP9

Manual IntegrationsAPPROVED

Quant Time: Jun 30 23:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032345.D\data.ms

(20) Pyrene

19.445min (-0.009) 15.95 ng/ul m

response 1165297

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	13.70	12.68
100.00	10.90	10.12
0.00	0.00	0.00

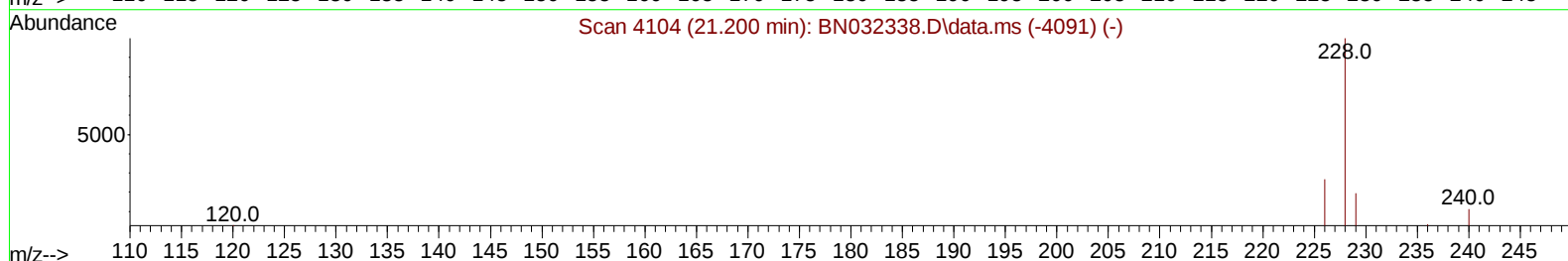
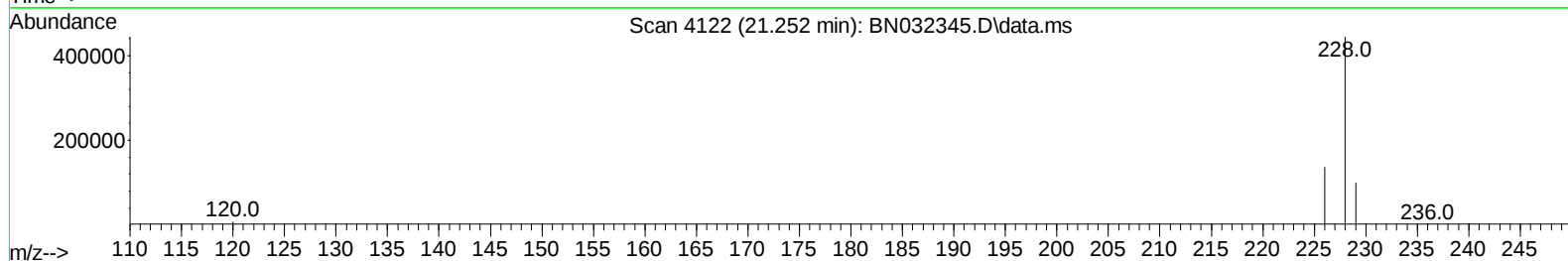
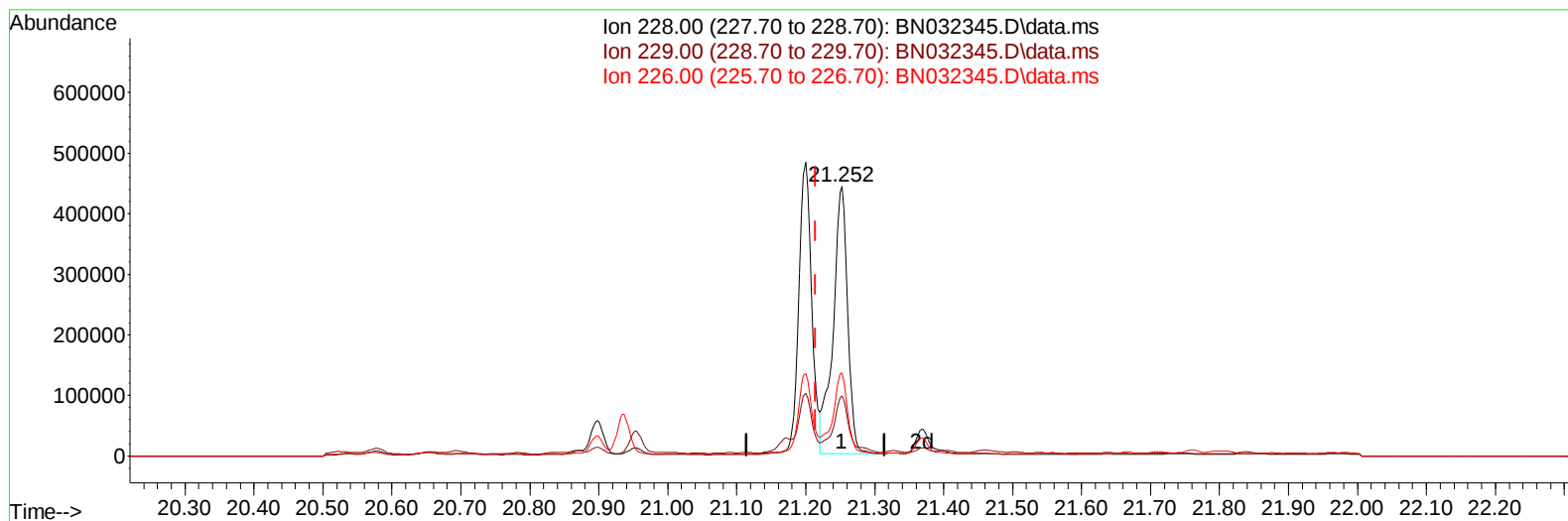
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032345.D
Acq On : 29 Jun 2024 11:05
Operator : MA/JU
Sample : P2934-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP9

Manual IntegrationsAPPROVED

Quant Time: Jun 30 23:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032345.D\data.ms

(21) Benzo(a)anthracene

21.252min (+ 0.038) 9.78 ng/u1

response 647796

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	22.42
226.00	27.30	30.87
0.00	0.00	0.00

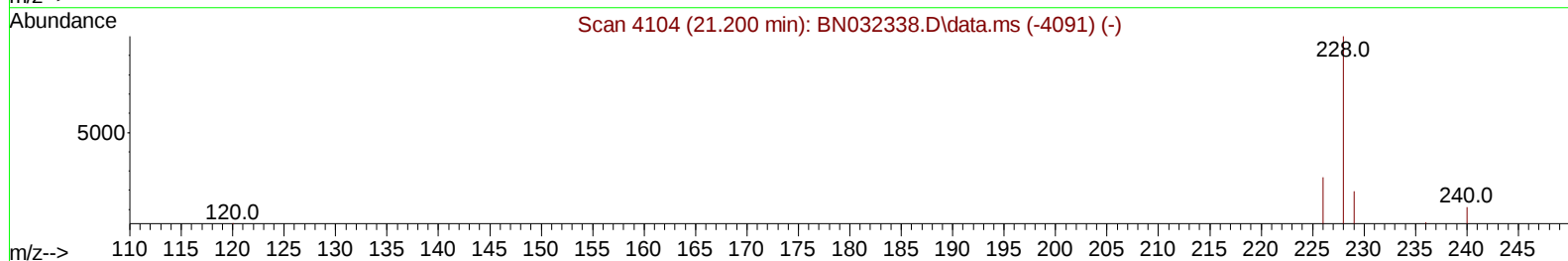
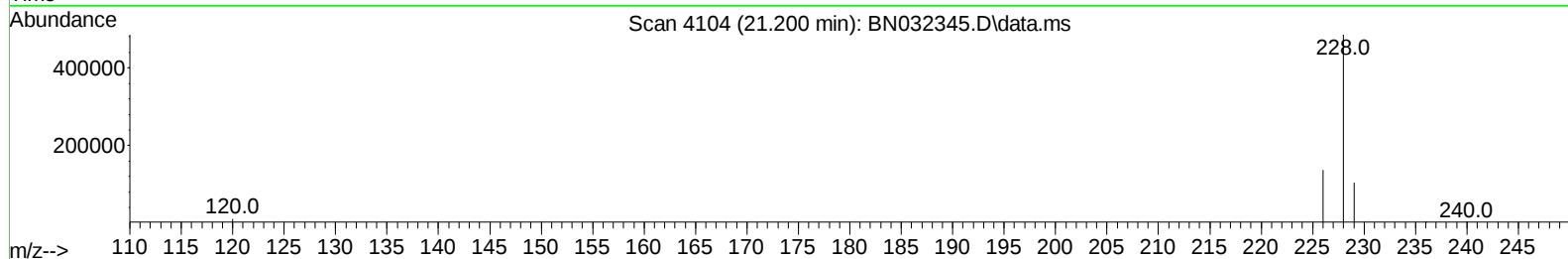
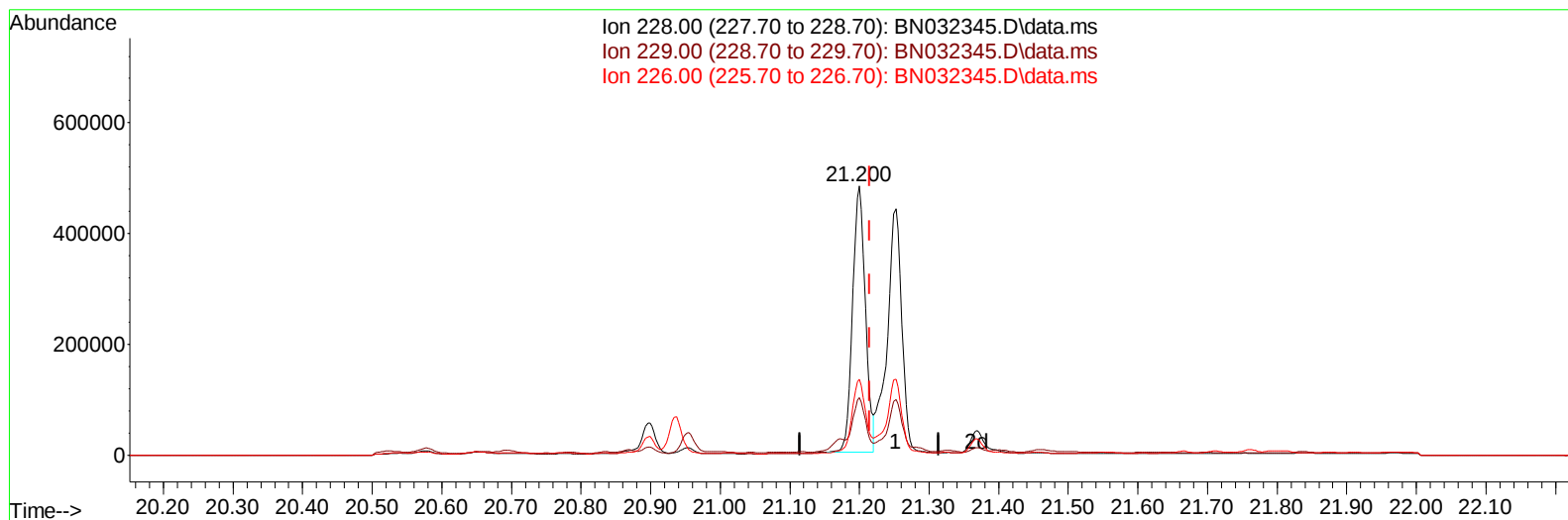
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032345.D
Acq On : 29 Jun 2024 11:05
Operator : MA/JU
Sample : P2934-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP9

Manual IntegrationsAPPROVED

Quant Time: Jun 30 23:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032345.D\data.ms

(21) Benzo(a)anthracene

21.200min (-0.015) 9.33 ng/u1 m

response 618008

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	21.37
226.00	27.30	28.09
0.00	0.00	0.00

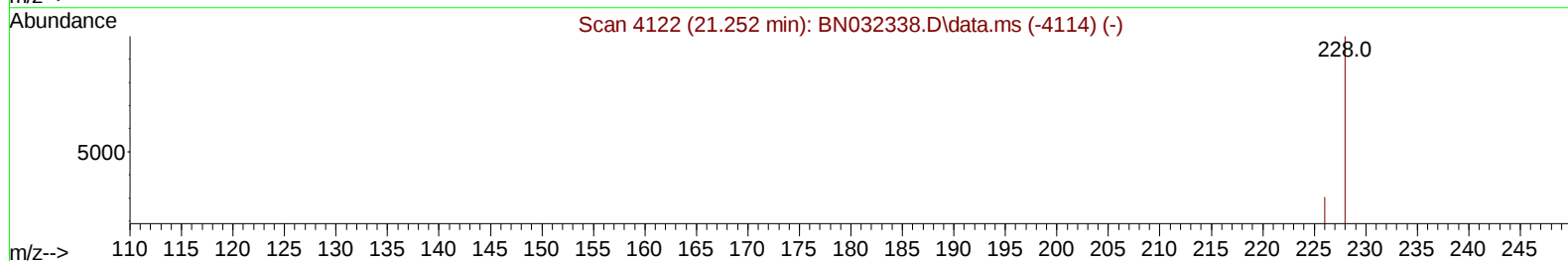
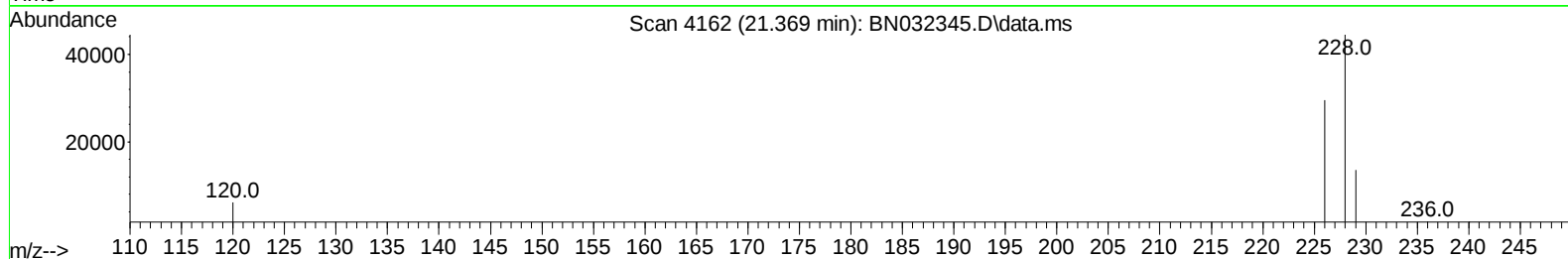
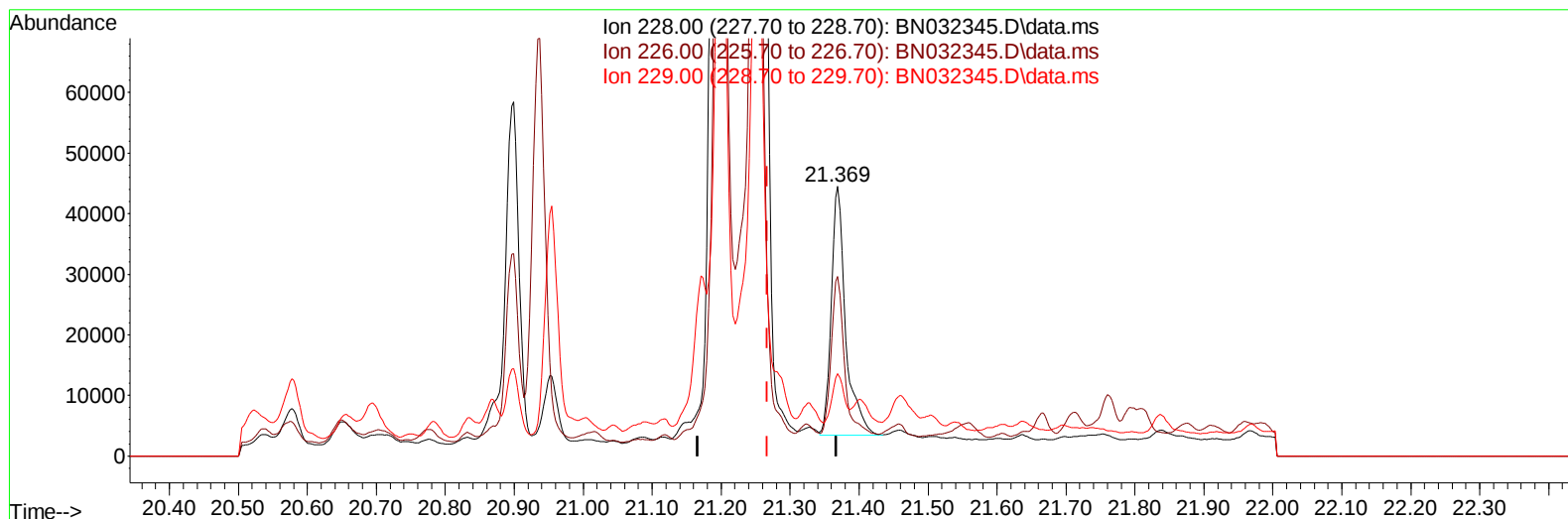
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032345.D
Acq On : 29 Jun 2024 11:05
Operator : MA/JU
Sample : P2934-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP9

Manual IntegrationsAPPROVED

Quant Time: Jun 30 23:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032345.D\data.ms

(22) Chrysene

21.369min (+ 0.102) 0.81 ng/u1

response 58936

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	29.50	66.53#
229.00	19.60	30.46#
0.00	0.00	0.00

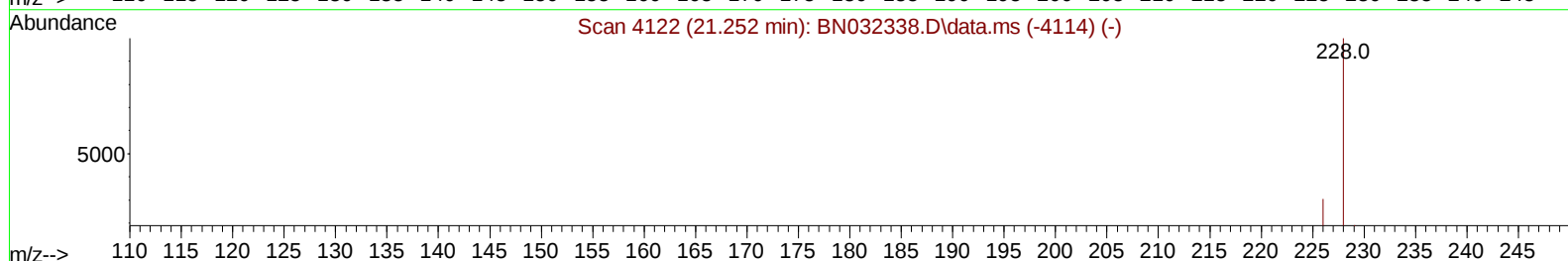
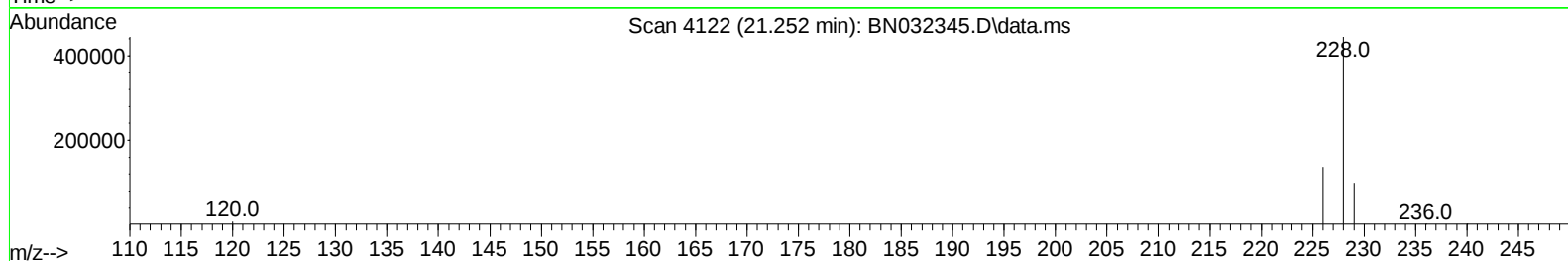
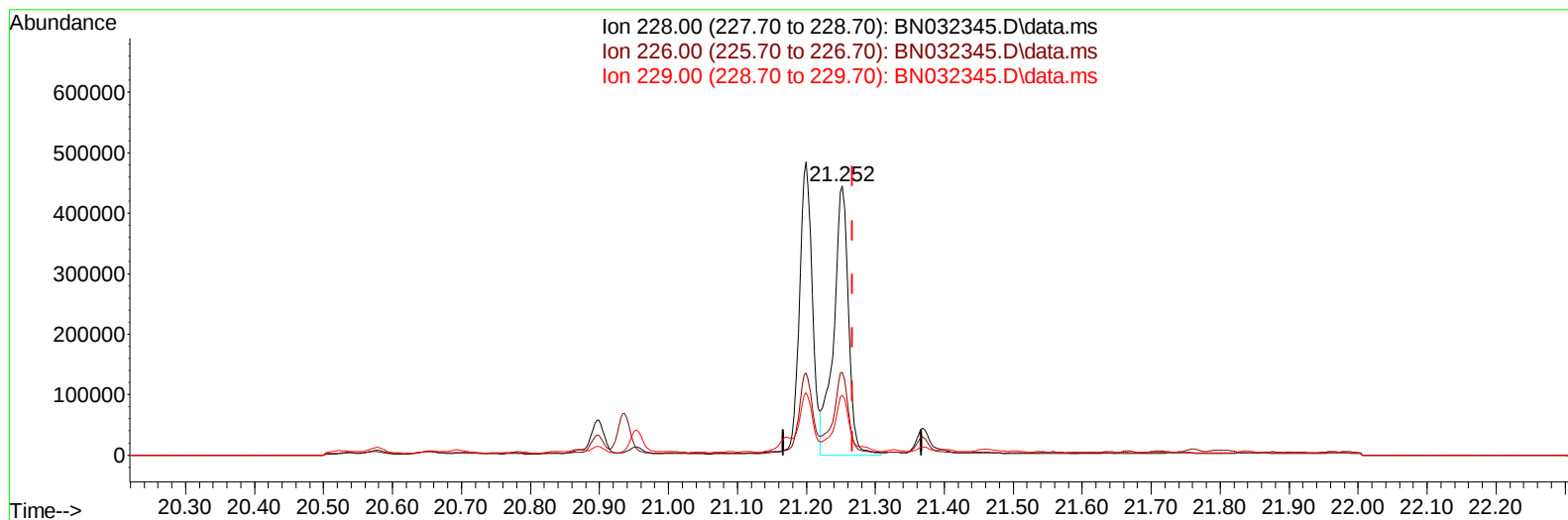
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032345.D
Acq On : 29 Jun 2024 11:05
Operator : MA/JU
Sample : P2934-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP9

Manual IntegrationsAPPROVED

Quant Time: Jun 30 23:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032345.D\data.ms

(22) Chrysene

21.252min (-0.015) 9.20 ng/ul m

response 669231

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	29.50	30.87
229.00	19.60	22.42
0.00	0.00	0.00

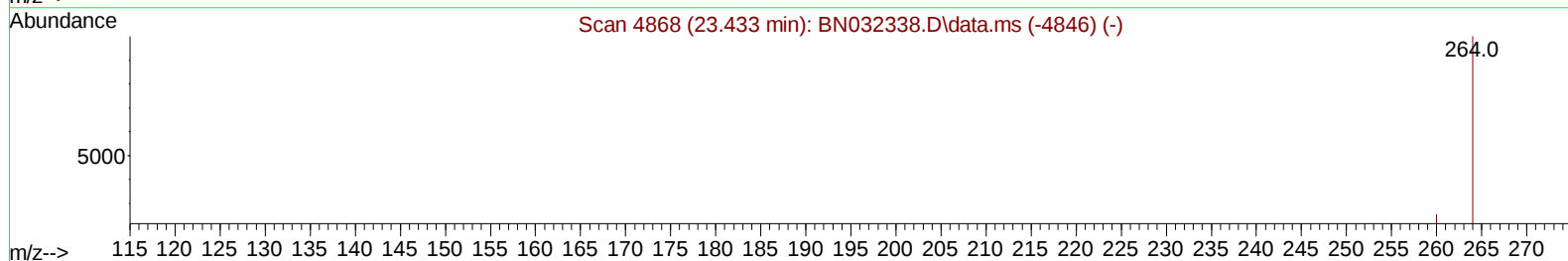
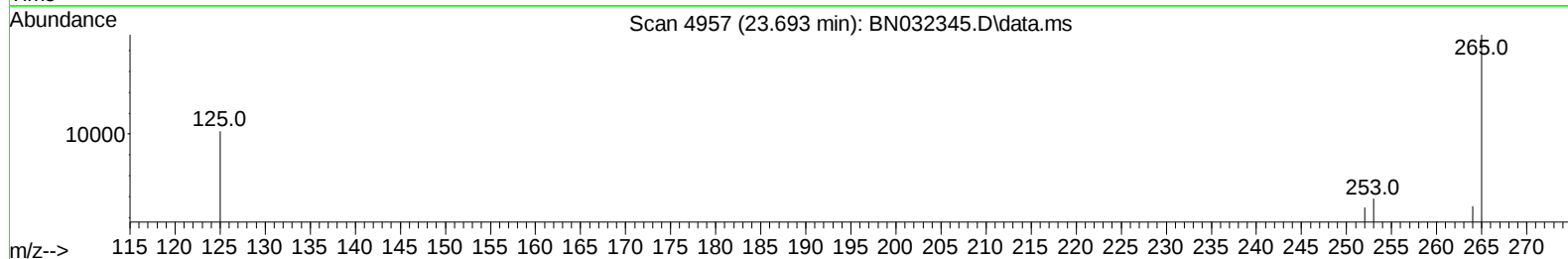
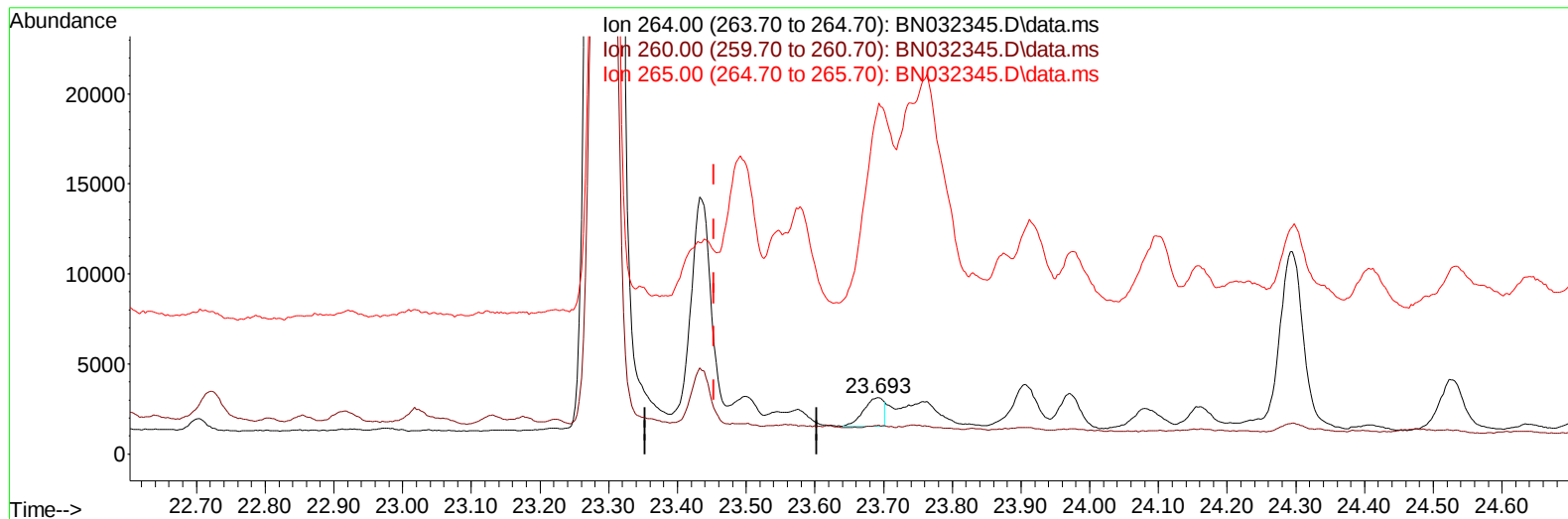
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032345.D
Acq On : 29 Jun 2024 11:05
Operator : MA/JU
Sample : P2934-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP9

Manual IntegrationsAPPROVED

Quant Time: Jun 30 23:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032345.D\data.ms

(23) Perylene-d12 (I)

23.693min (+ 0.240) 0.40 ng/u1

response 3186

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	50.91#
265.00	67.20	620.83#
0.00	0.00	0.00

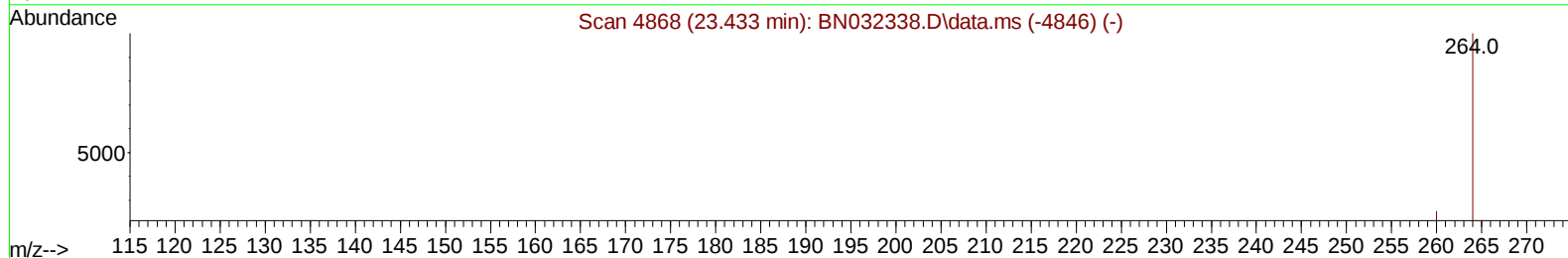
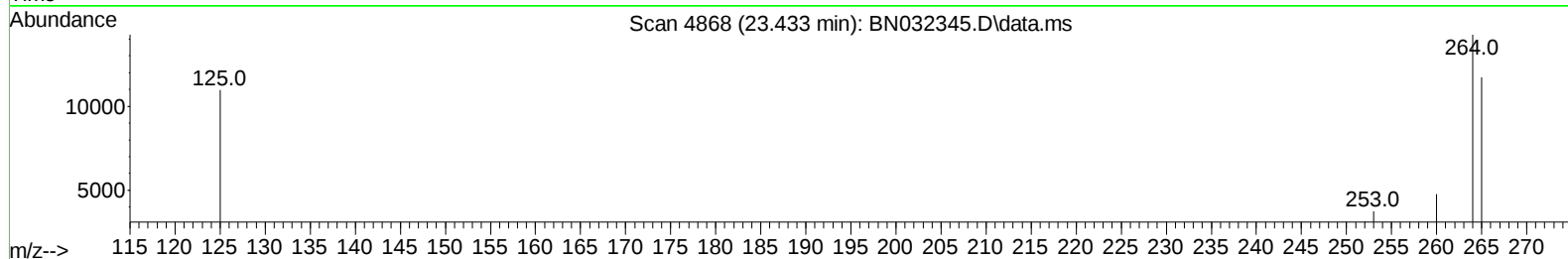
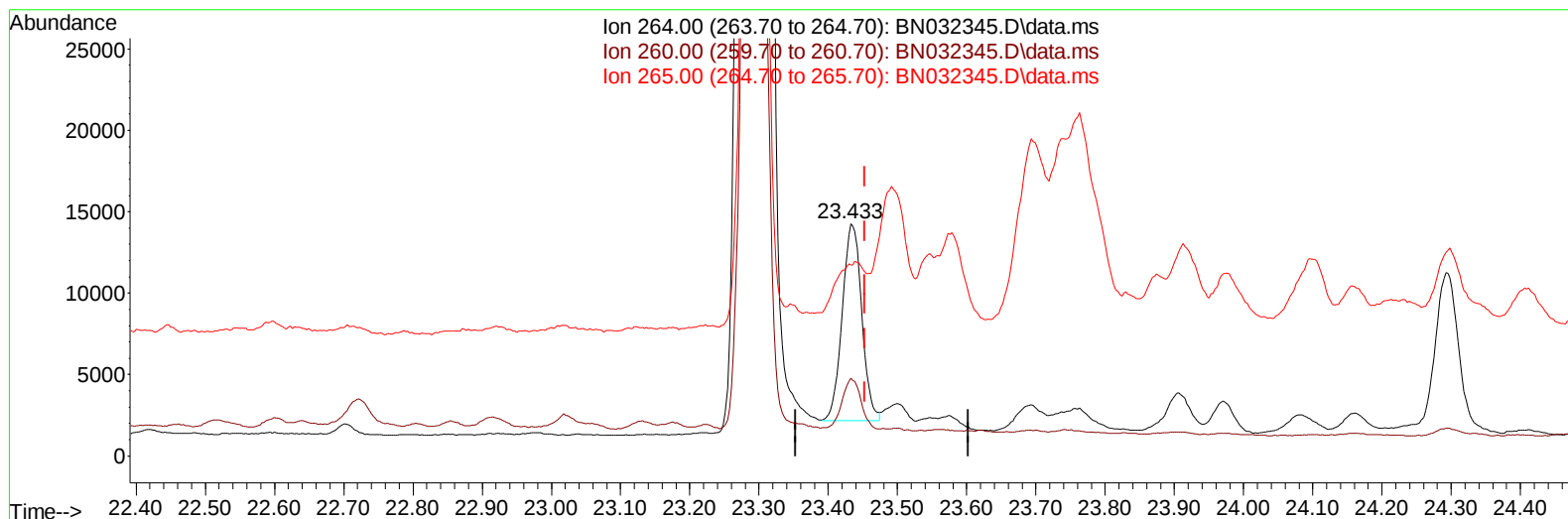
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032345.D
Acq On : 29 Jun 2024 11:05
Operator : MA/JU
Sample : P2934-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP9

Manual IntegrationsAPPROVED

Quant Time: Jun 30 23:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032345.D\data.ms

(23) Perylene-d12 (I)

23.433min (-0.021) 0.40 ng/ul m

response 23672

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	33.44#
265.00	67.20	82.35#
0.00	0.00	0.00

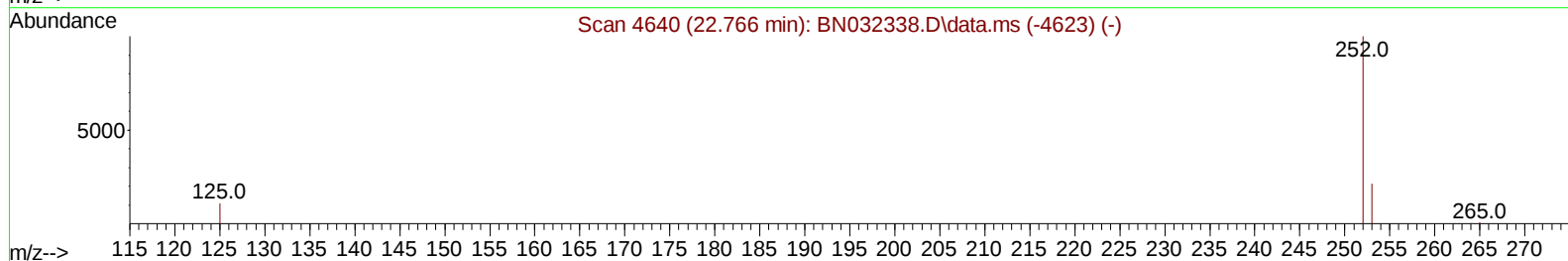
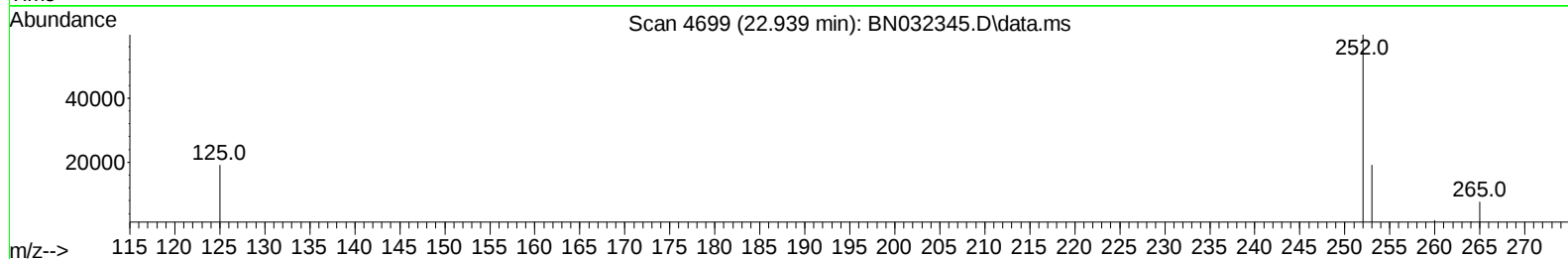
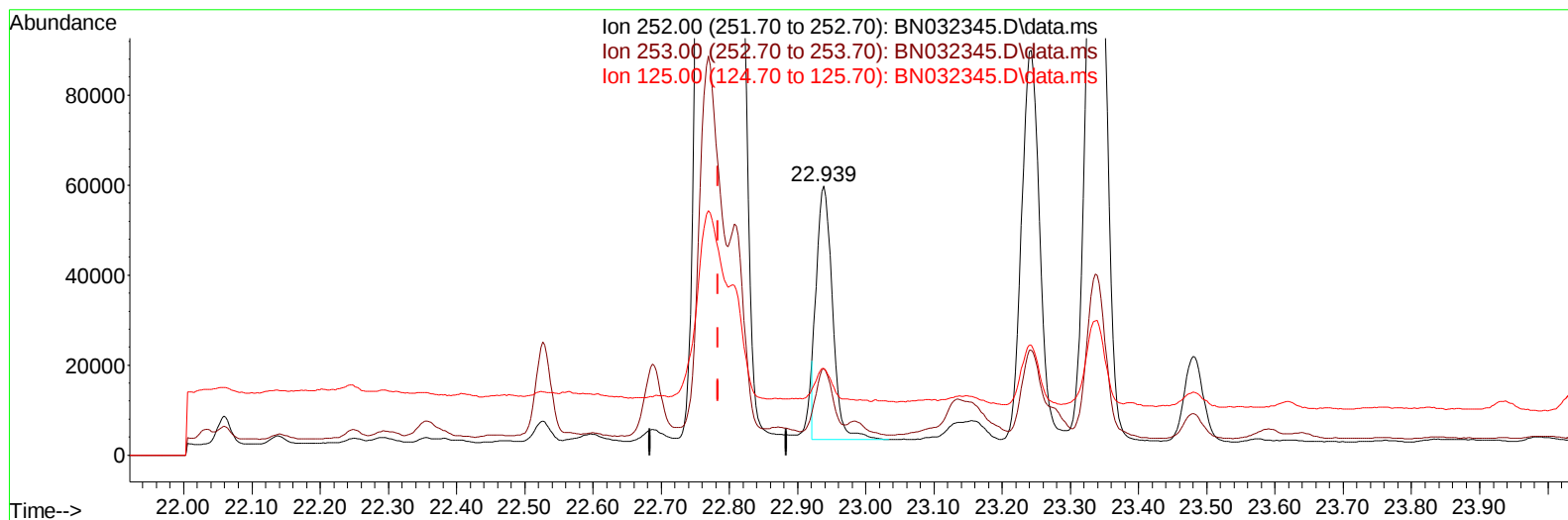
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032345.D
Acq On : 29 Jun 2024 11:05
Operator : MA/JU
Sample : P2934-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP9

Manual IntegrationsAPPROVED

Quant Time: Jun 30 23:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032345.D\data.ms

(24) Benzo(b)fluoranthene

22.939min (+ 0.155) 0.90 ng/u1

response 92066

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	32.11
125.00	16.00	32.12#
0.00	0.00	0.00

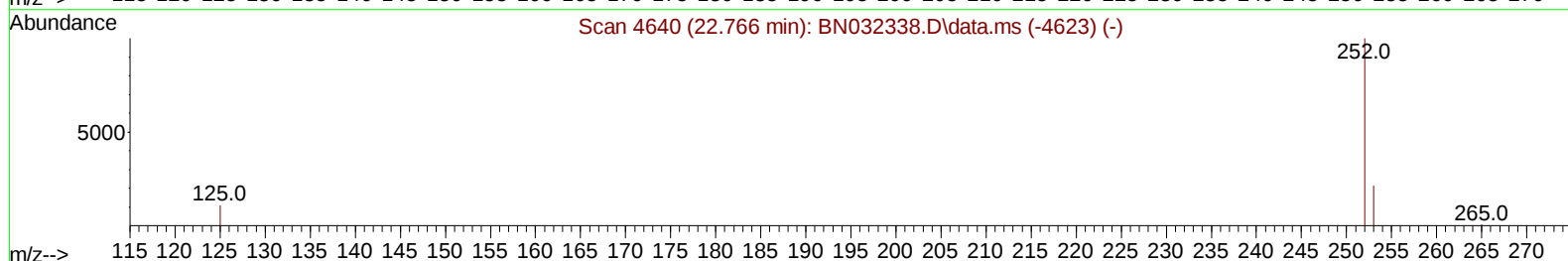
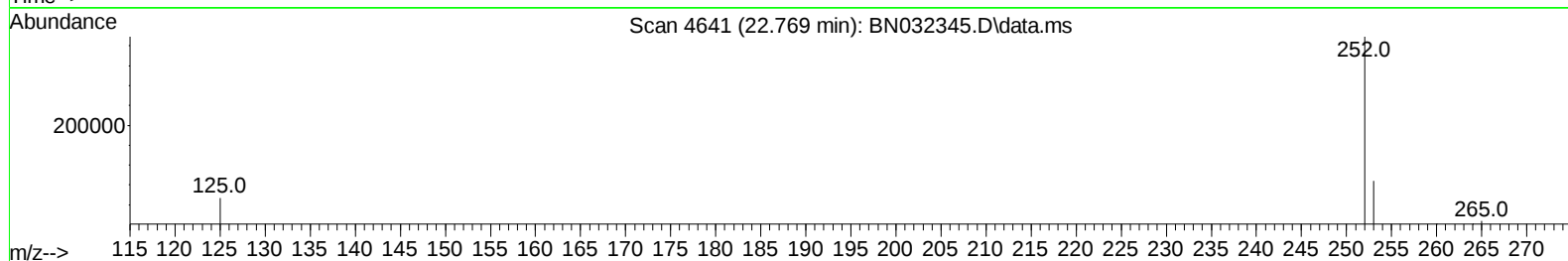
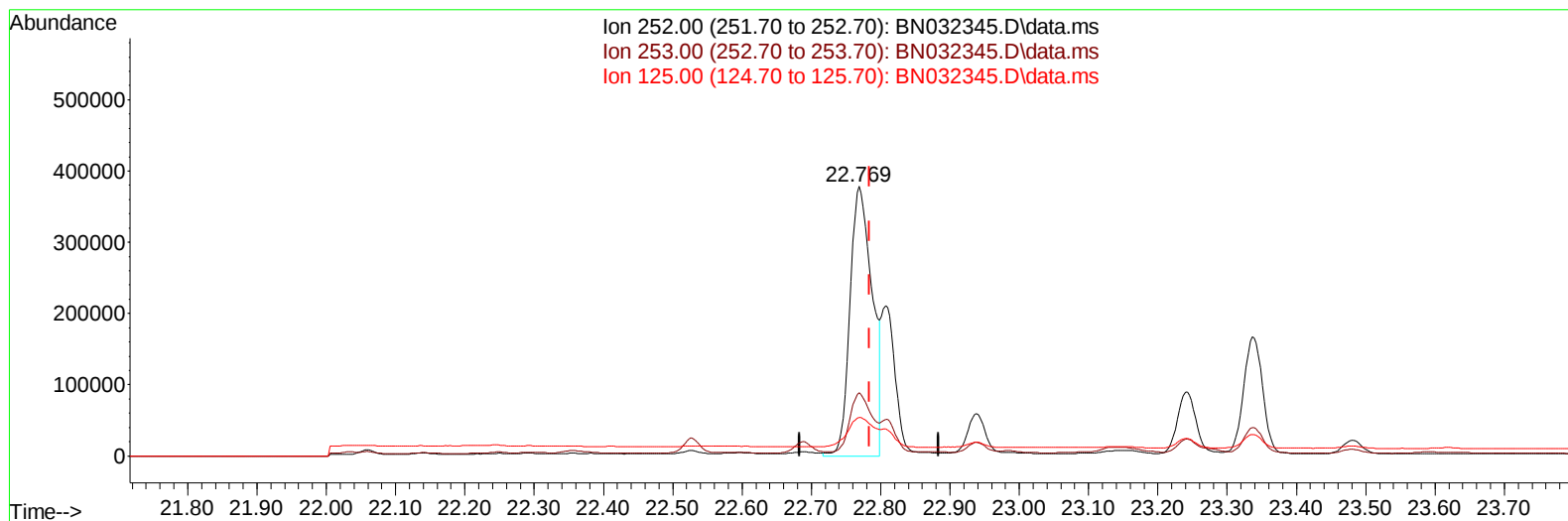
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032345.D
Acq On : 29 Jun 2024 11:05
Operator : MA/JU
Sample : P2934-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP9

Manual IntegrationsAPPROVED

Quant Time: Jun 30 23:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032345.D\data.ms

(24) Benzo(b)fluoranthene

22.769min (-0.015) 8.22 ng/u1 m

response 845763

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	23.44
125.00	16.00	14.36
0.00	0.00	0.00

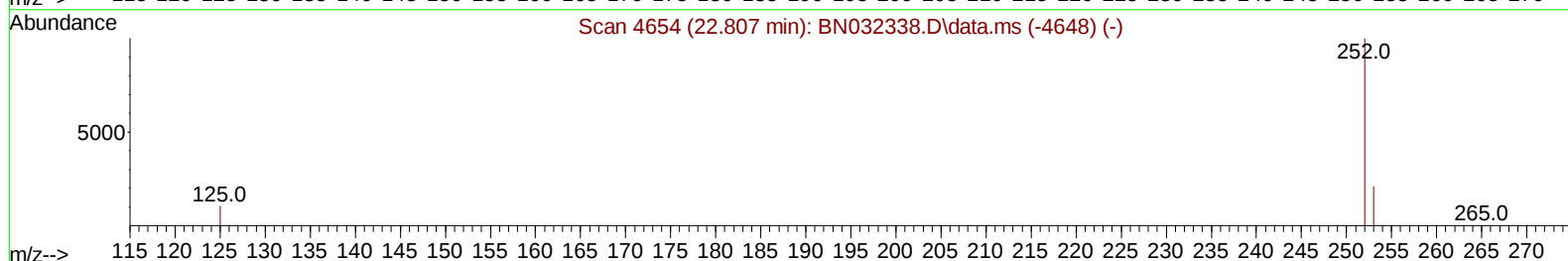
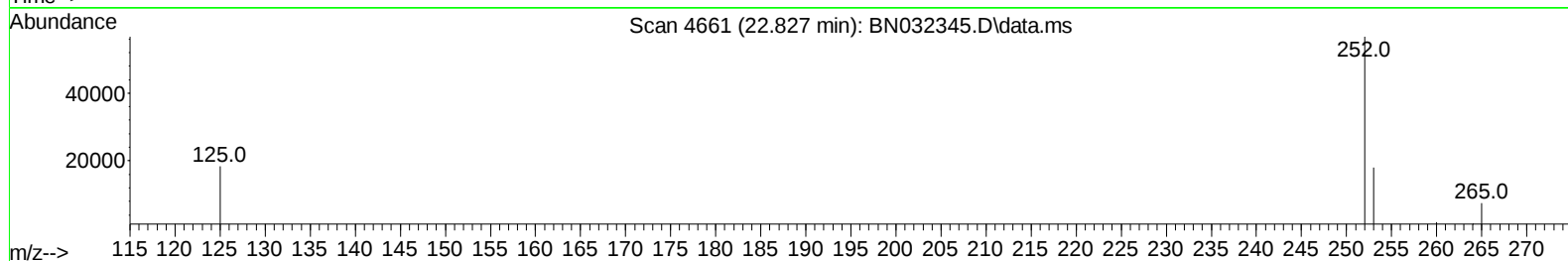
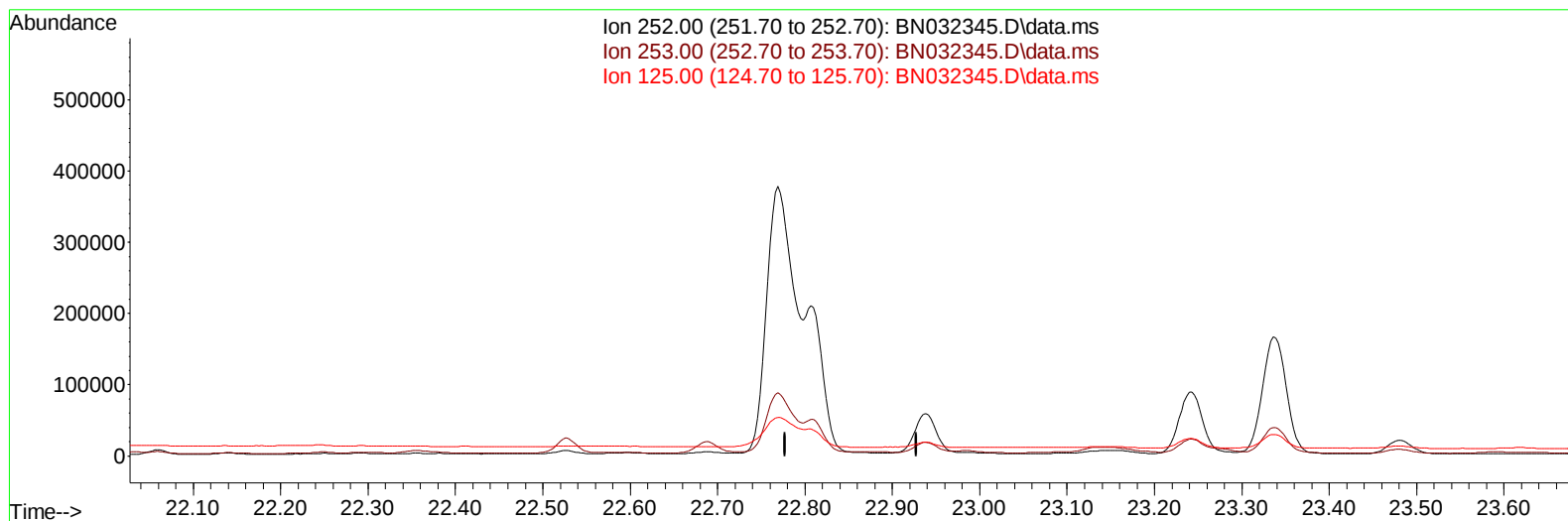
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032345.D
Acq On : 29 Jun 2024 11:05
Operator : MA/JU
Sample : P2934-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP9

Manual IntegrationsAPPROVED

Quant Time: Jun 30 23:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032345.D\data.ms

(25) Benzo(k)fluoranthene

22.828min (-22.828) 0.00 ng/u1

response 0

Ion	Exp%	Act%
252.00	100.00	0.00
253.00	25.40	0.00#
125.00	16.00	0.00#
0.00	0.00	0.00

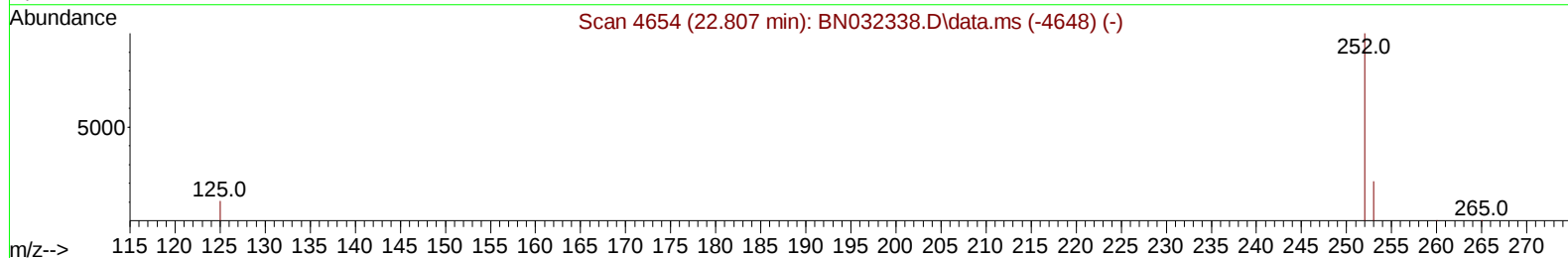
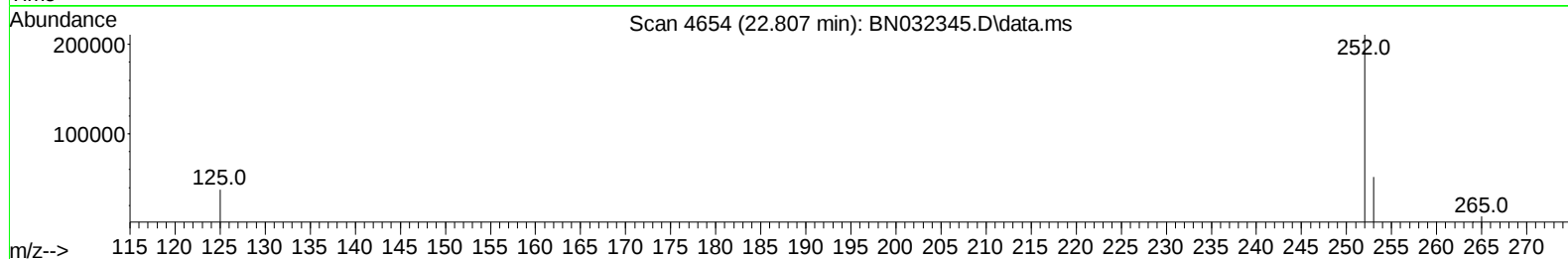
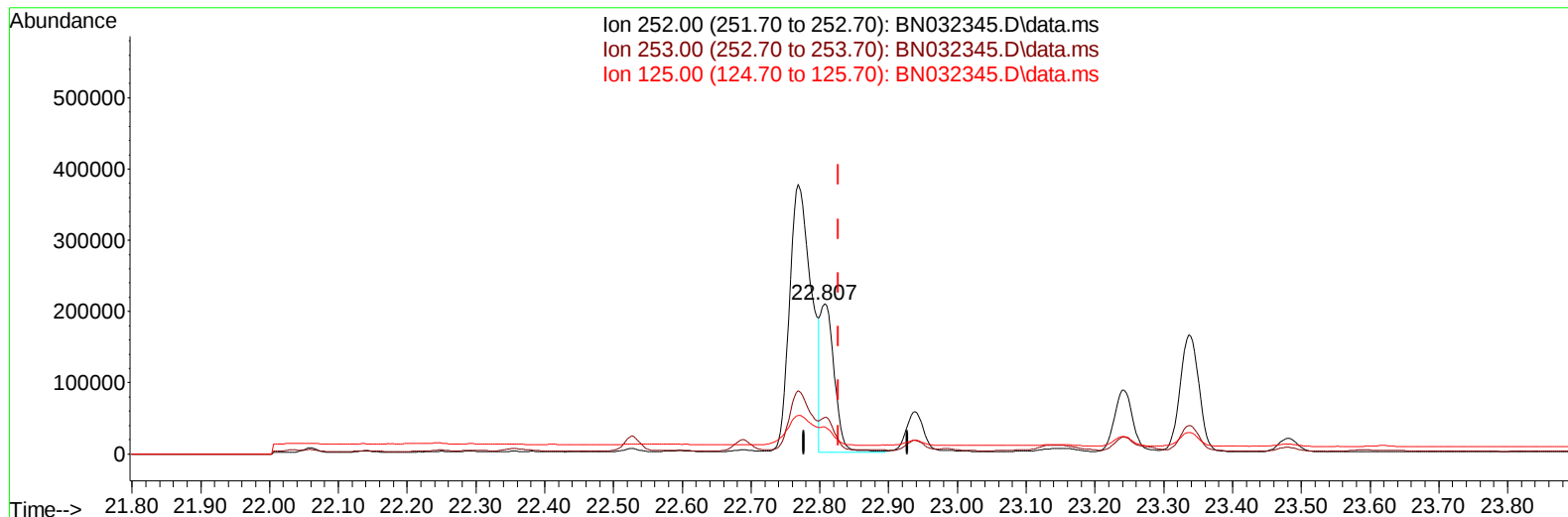
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032345.D
Acq On : 29 Jun 2024 11:05
Operator : MA/JU
Sample : P2934-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP9

Manual IntegrationsAPPROVED

Quant Time: Jun 30 23:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032345.D\data.ms

(25) Benzo(k)fluoranthene

22.807min (-0.021) 2.96 ng/u1 m

response 295667

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.40	24.40
125.00	16.00	17.90
0.00	0.00	0.00

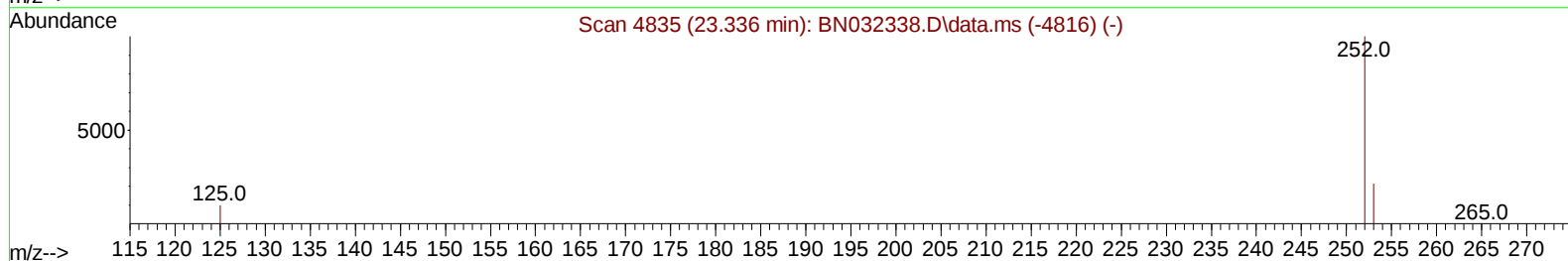
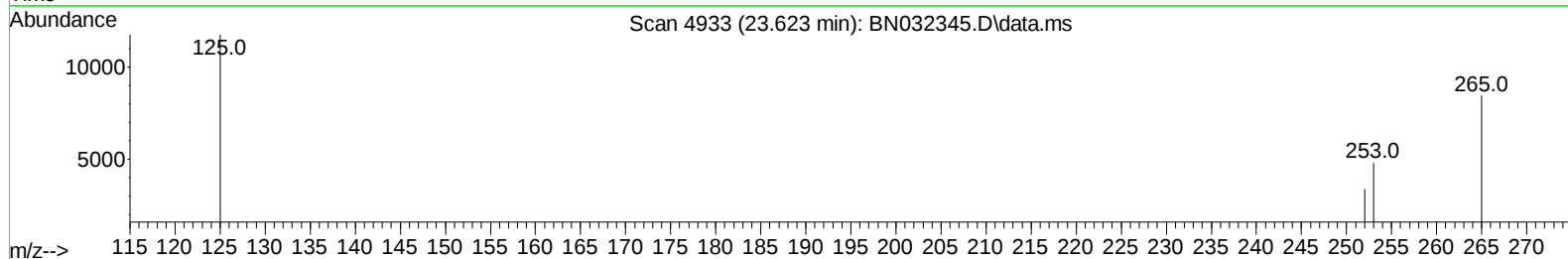
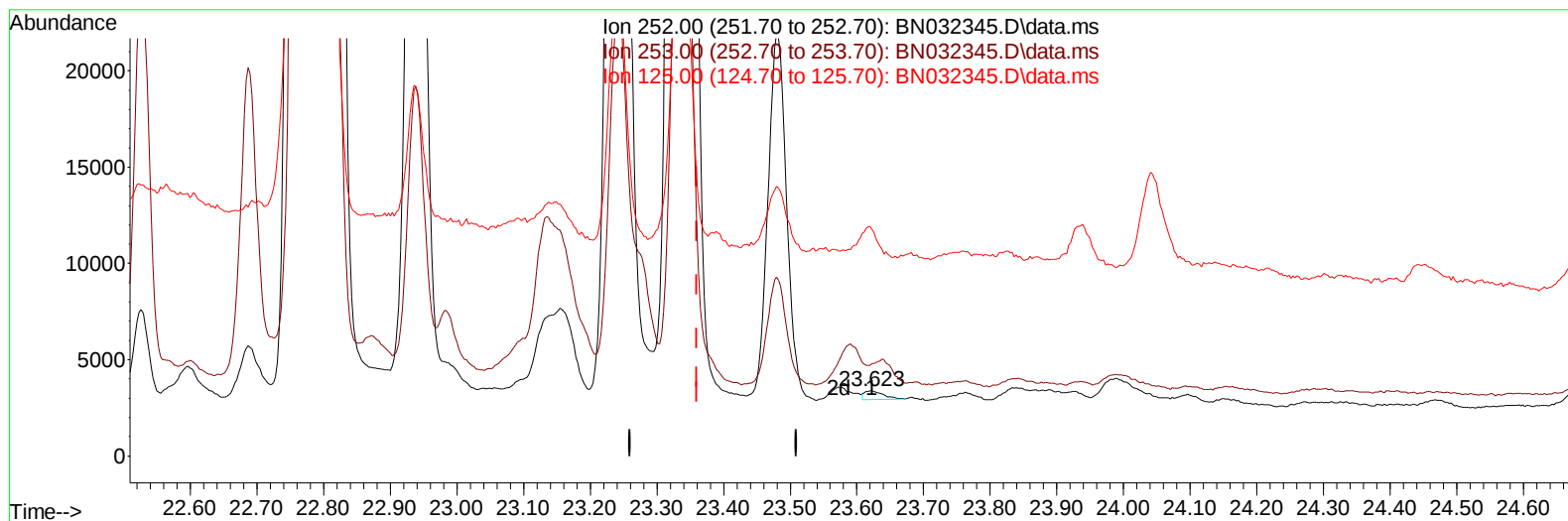
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032345.D
Acq On : 29 Jun 2024 11:05
Operator : MA/JU
Sample : P2934-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP9

Manual IntegrationsAPPROVED

Quant Time: Jun 30 23:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032345.D\data.ms

(26) Benzo(a)pyrene (C)

23.623min (+ 0.263) 0.01 ng/u1

response 868

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.70	141.75#
125.00	20.50	347.68#
0.00	0.00	0.00

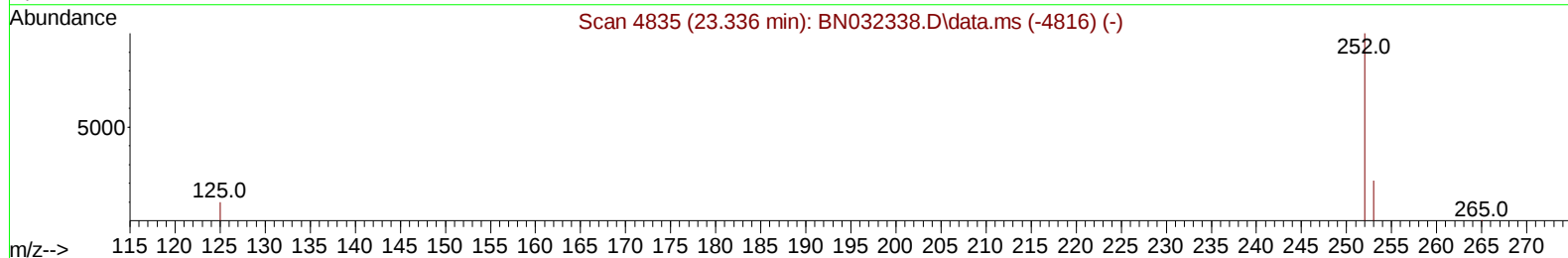
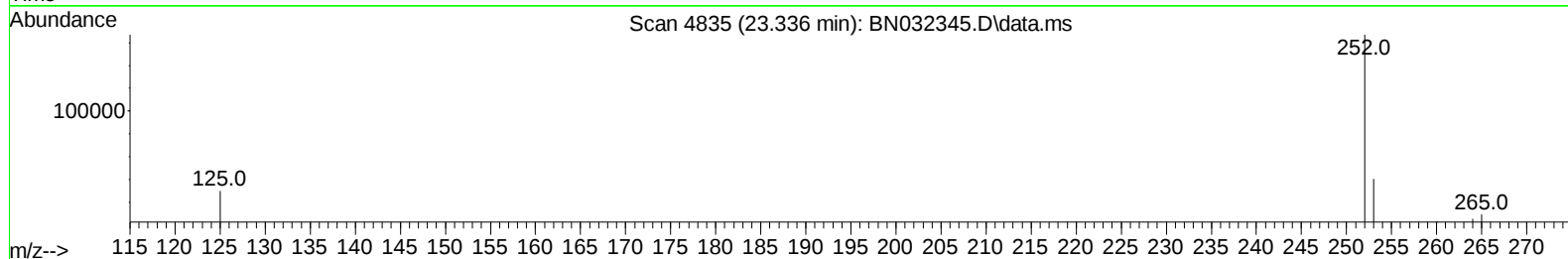
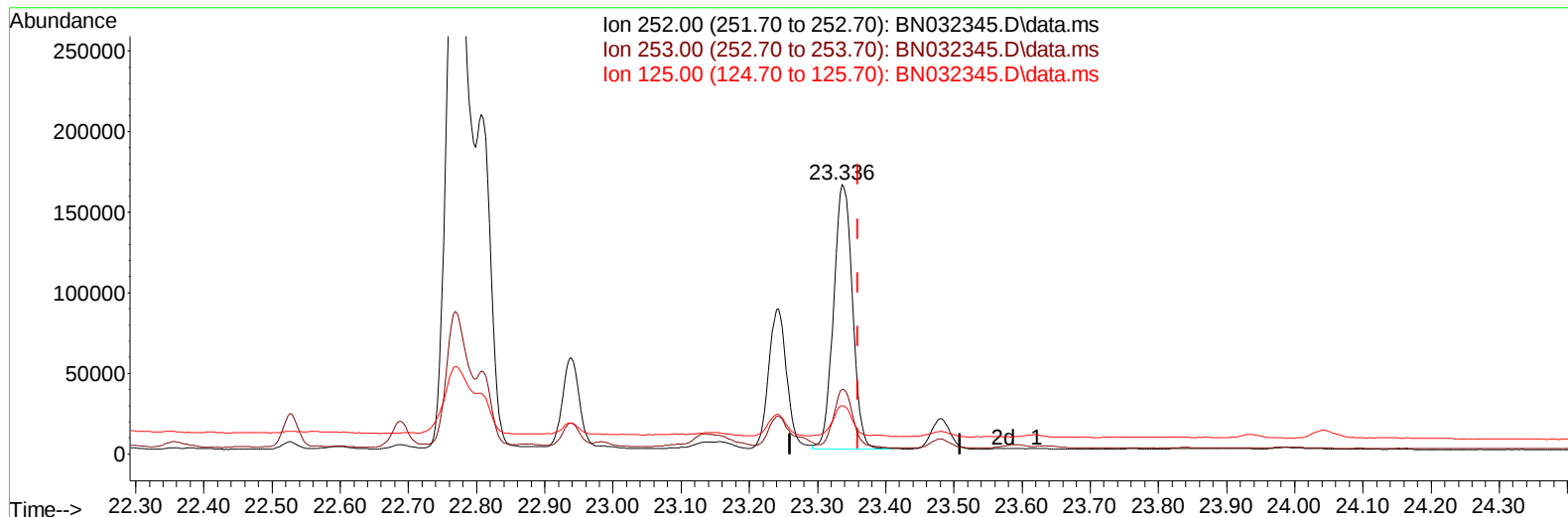
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032345.D
Acq On : 29 Jun 2024 11:05
Operator : MA/JU
Sample : P2934-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP9

Manual IntegrationsAPPROVED

Quant Time: Jun 30 23:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032345.D\data.ms

(26) Benzo(a)pyrene (C)

23.336min (-0.024) 4.41 ng/u1 m

response 315821

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.70	24.05
125.00	20.50	17.86
0.00	0.00	0.00

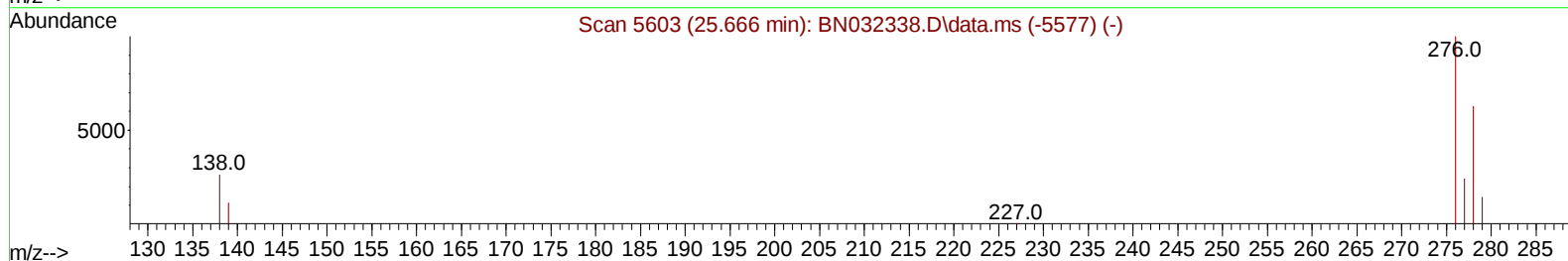
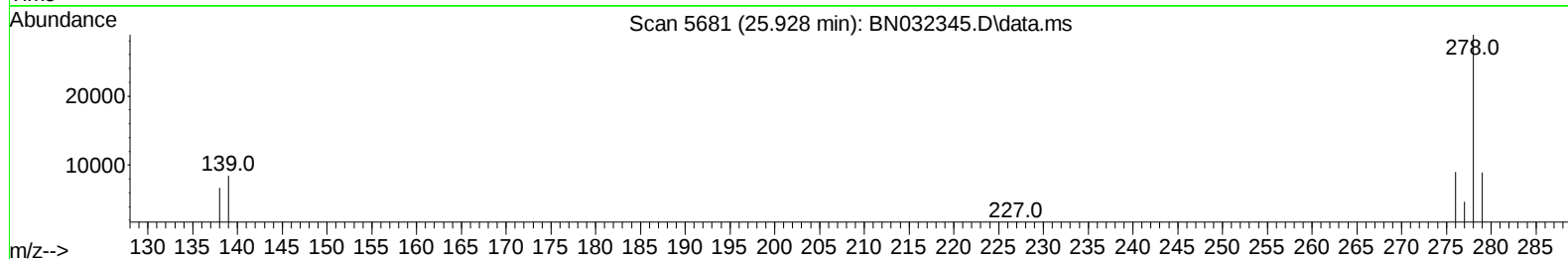
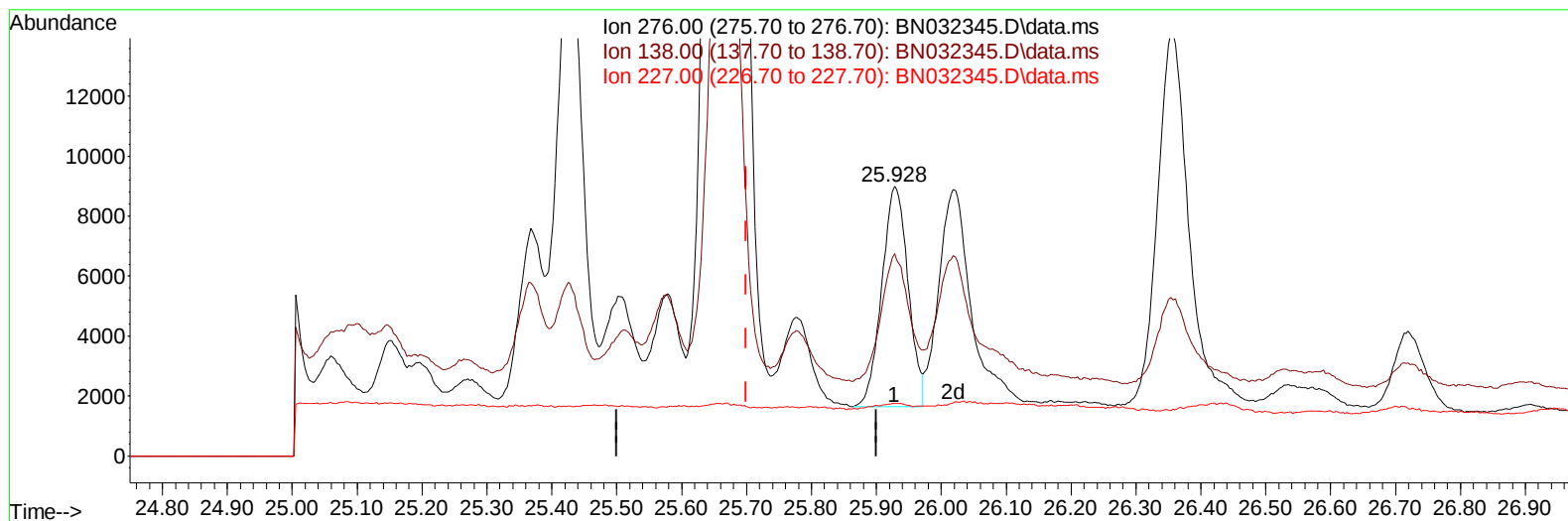
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032345.D
Acq On : 29 Jun 2024 11:05
Operator : MA/JU
Sample : P2934-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP9

Manual IntegrationsAPPROVED

Quant Time: Jun 30 23:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032345.D\data.ms

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

25.928min (+ 0.228) 0.19 ng/u1

response 20784

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	26.60	61.99#
227.00	0.10	4.74#
0.00	0.00	0.00

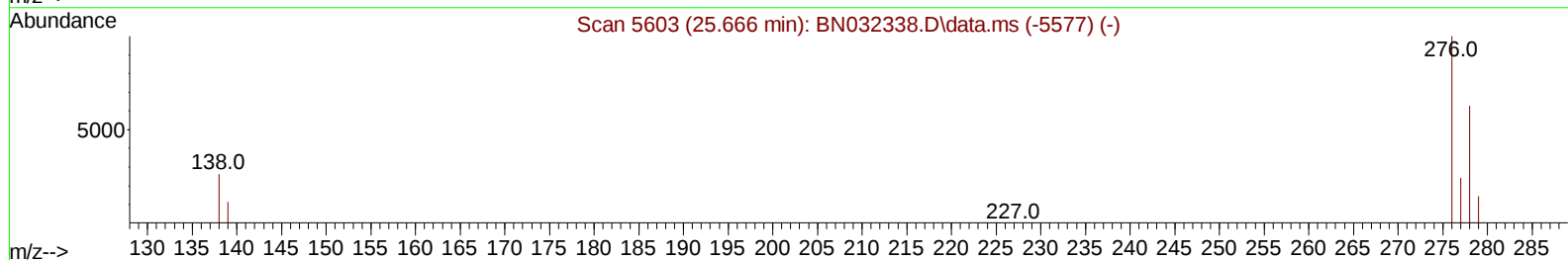
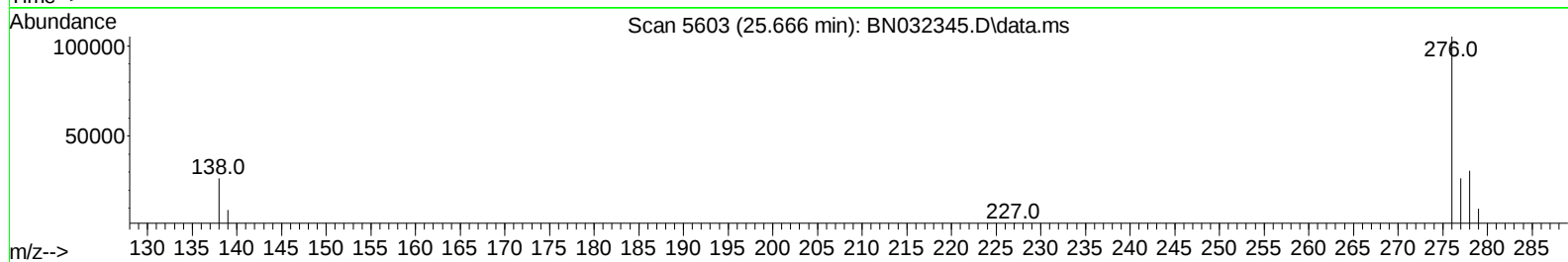
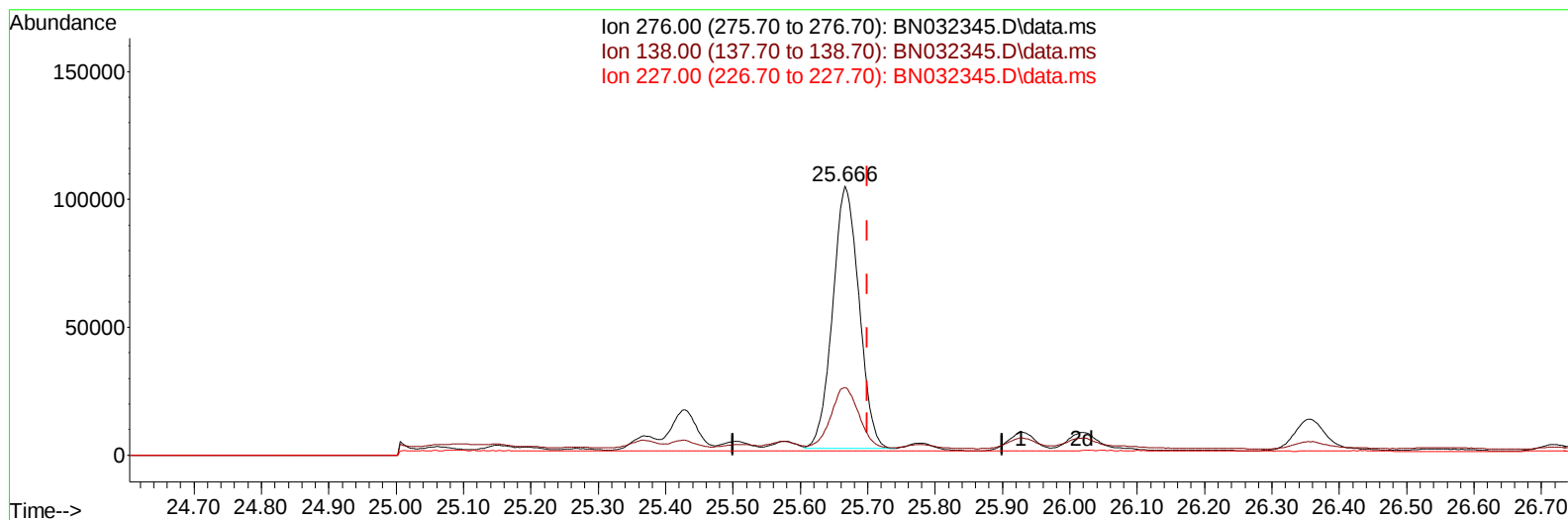
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032345.D
Acq On : 29 Jun 2024 11:05
Operator : MA/JU
Sample : P2934-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP9

Manual IntegrationsAPPROVED

Quant Time: Jun 30 23:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032345.D\data.ms

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

25.666min (-0.034) 2.49 ng/u1 m

response 279368

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	26.60	4.61#
227.00	0.10	0.35#
0.00	0.00	0.00

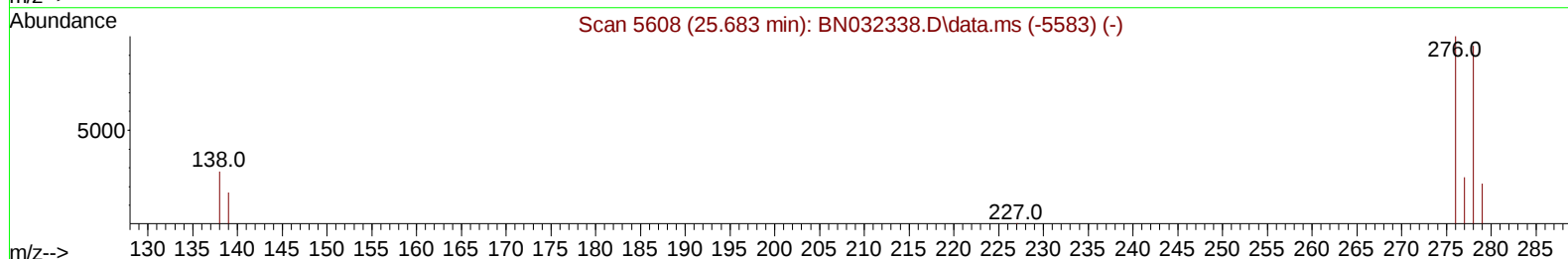
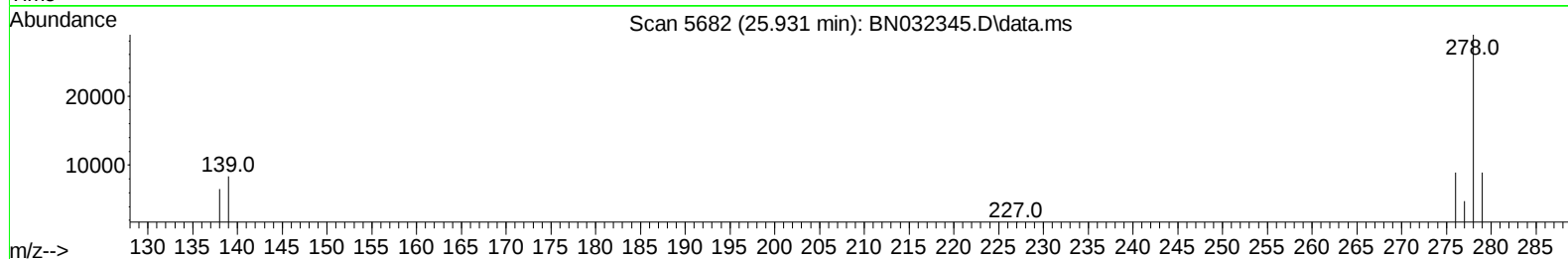
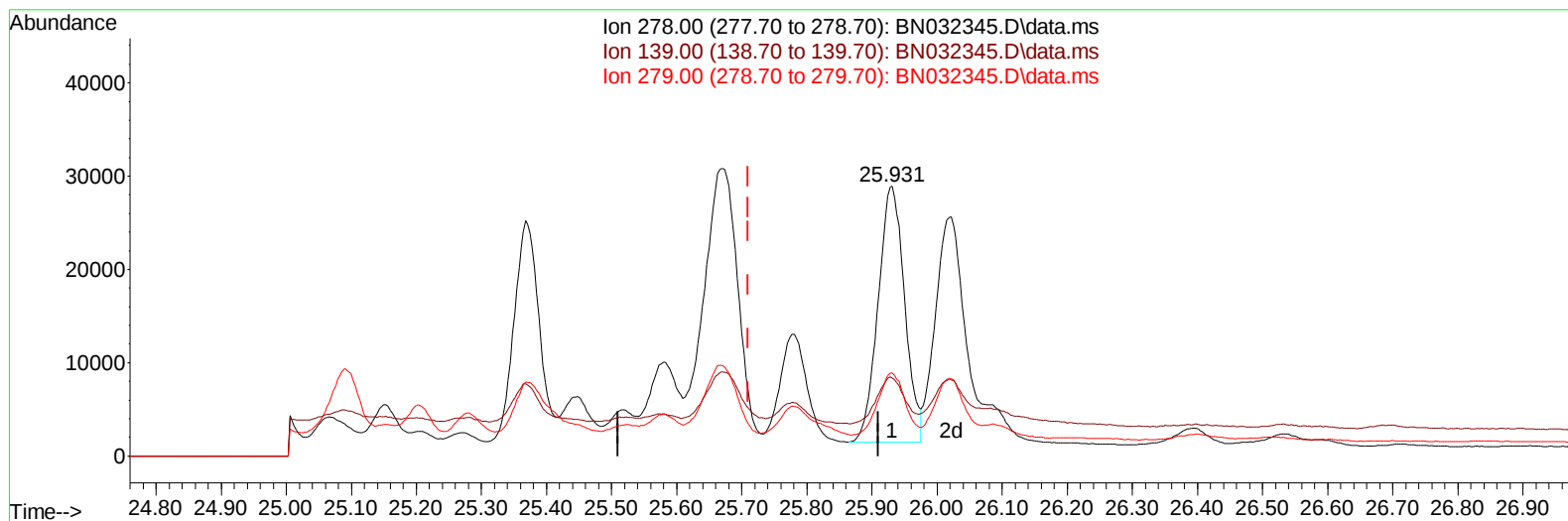
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032345.D
Acq On : 29 Jun 2024 11:05
Operator : MA/JU
Sample : P2934-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP9

Manual IntegrationsAPPROVED

Quant Time: Jun 30 23:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032345.D\data.ms

(28) Dibenzo(a,h)anthracene

25.931min (+ 0.221) 0.93 ng/u1

response 77790

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	19.90	28.92#
279.00	26.40	30.77
0.00	0.00	0.00

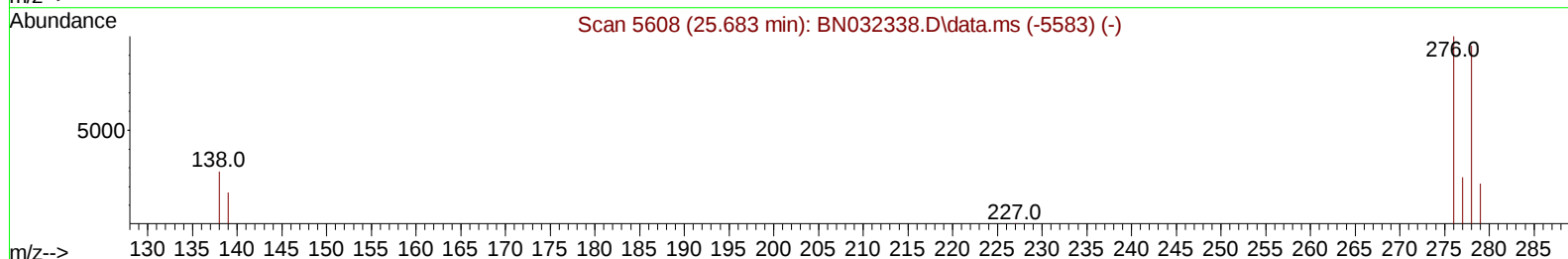
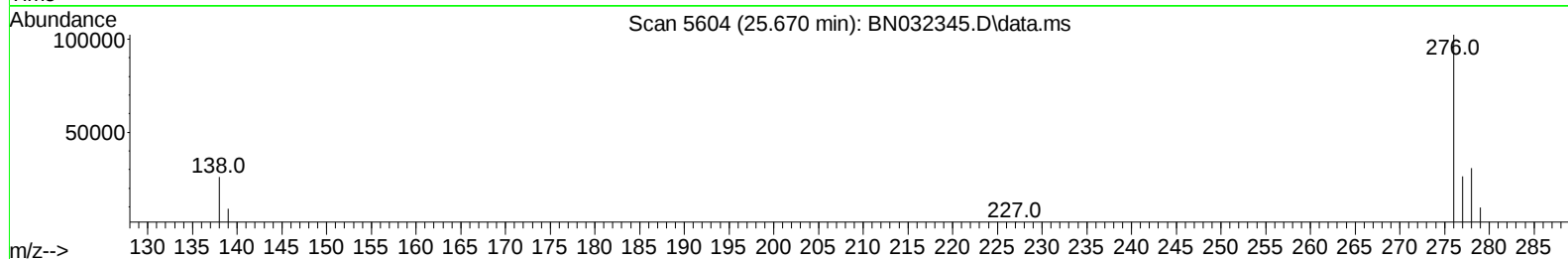
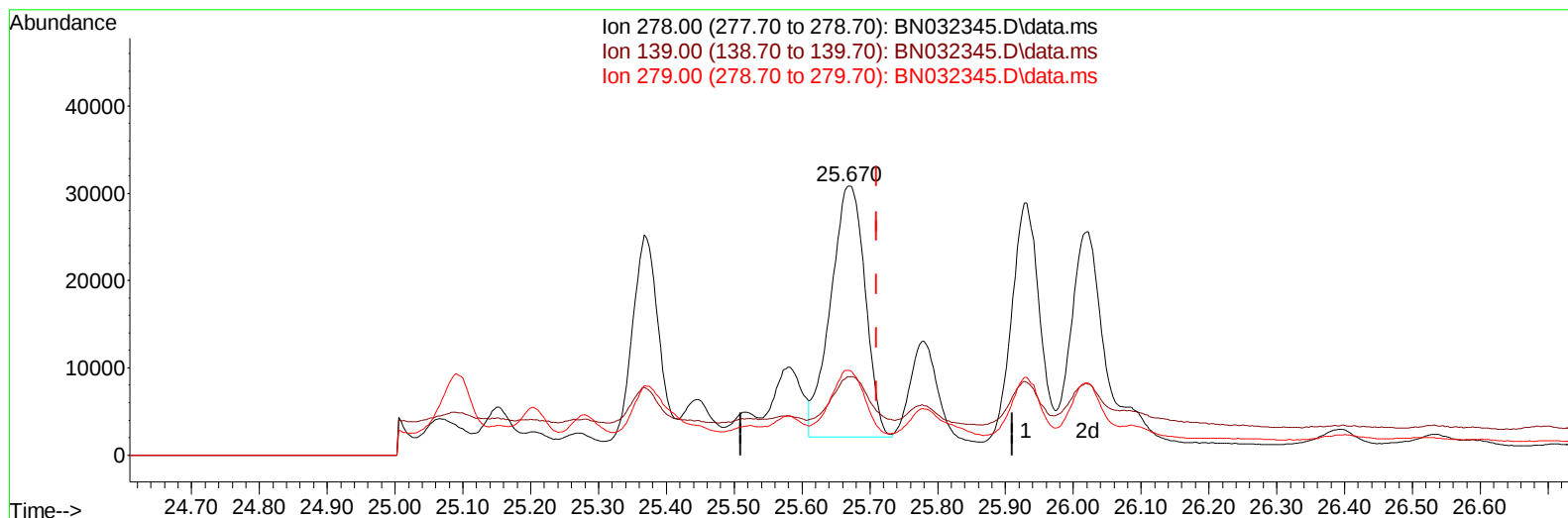
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
 Data File : BN032345.D
 Acq On : 29 Jun 2024 11:05
 Operator : MA/JU
 Sample : P2934-13
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CP9

Manual IntegrationsAPPROVED

Quant Time: Jun 30 23:04:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 27 13:23:38 2024
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Reviewed By :Yogesh Patel 07/01/2024
 Supervised By :mohammad ahmed 07/04/2024



TIC: BN032345.D\data.ms

(28) Dibenzo(a,h)anthracene

25.670min (-0.040) 1.22 ng/ul m

response 101631

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	19.90	29.21#
279.00	26.40	31.42
0.00	0.00	0.00

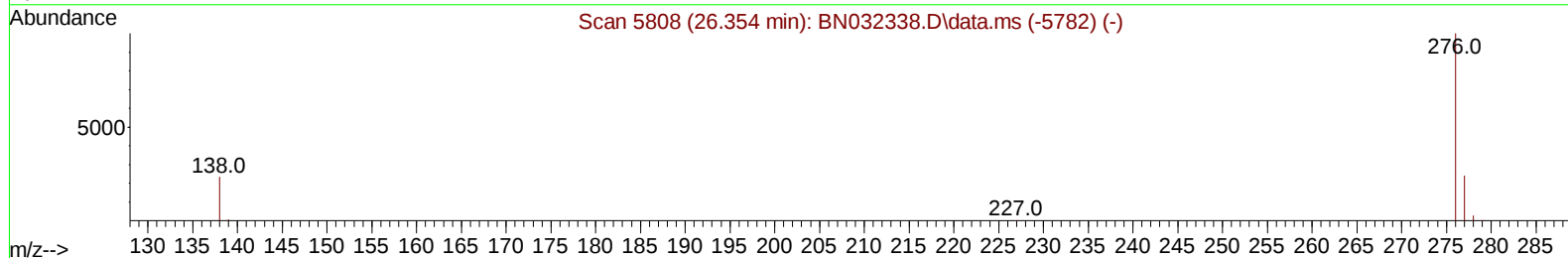
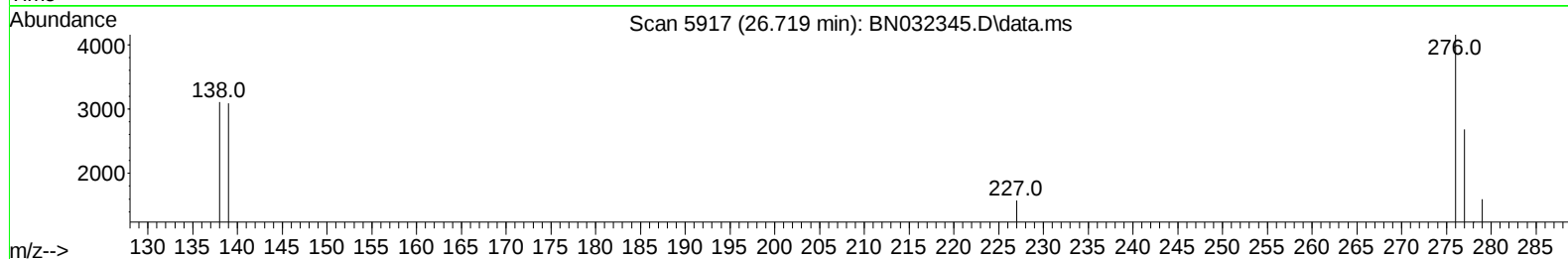
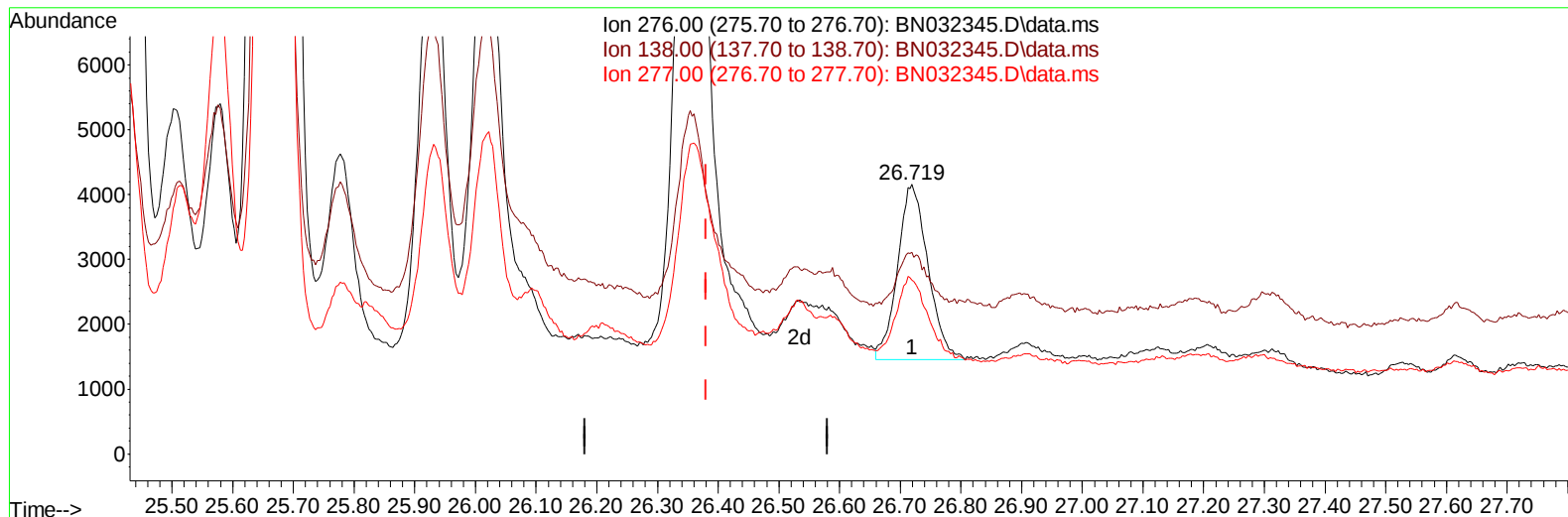
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032345.D
Acq On : 29 Jun 2024 11:05
Operator : MA/JU
Sample : P2934-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP9

Manual IntegrationsAPPROVED

Quant Time: Jun 30 23:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Supervised By :mohammad ahmed 07/04/2024



TIC: BN032345.D\data.ms

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

26.719min (+ 0.339) 0.10 ng/u1

response 9364

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	24.70	74.86#
277.00	24.70	64.59#
0.00	0.00	0.00

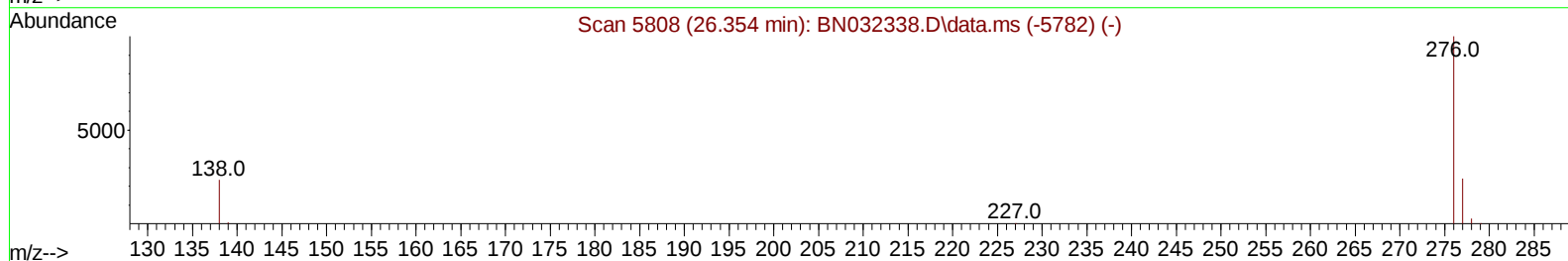
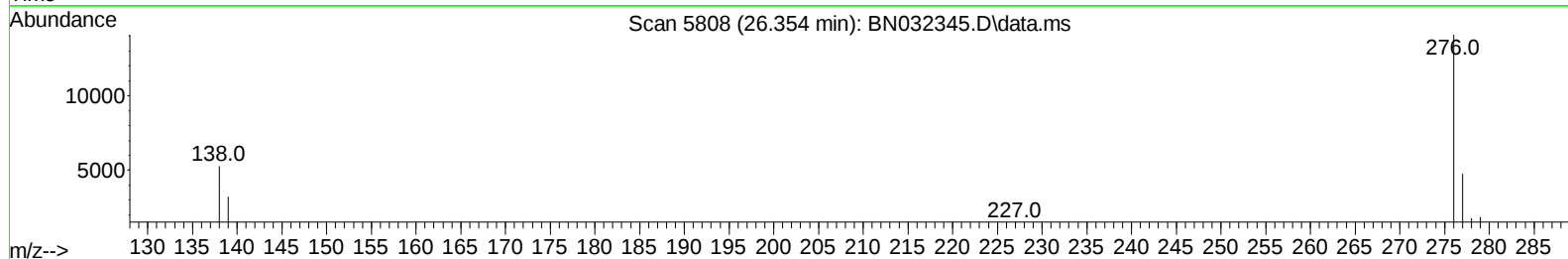
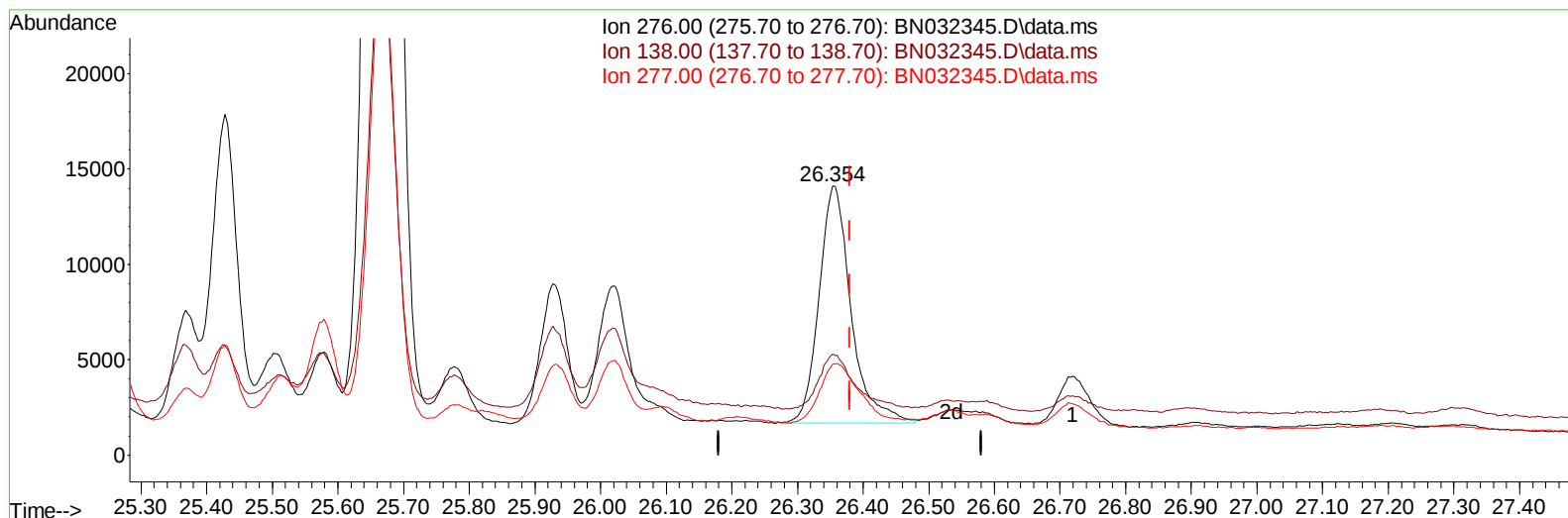
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032345.D
Acq On : 29 Jun 2024 11:05
Operator : MA/JU
Sample : P2934-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP9

Manual IntegrationsAPPROVED

Quant Time: Jun 30 23:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
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Supervised By :mohammad ahmed 07/04/2024



TIC: BN032345.D\data.ms

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

26.354min (-0.027) 0.47 ng/ul m

response 42017

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	24.70	37.53#
277.00	24.70	33.85#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
 Data File : BN032345.D
 Acq On : 29 Jun 2024 11:05
 Operator : MA/JU
 Sample : P2934-13
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CP9

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/01/2024
 Supervised By :mohammad ahmed 07/04/2024

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.612	152	9184	0.400	ng/ul	0.00
4) Naphthalene-d8	10.387	136	28831	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.258	164	16687	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.012	188	32100m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.214	240	18361m	0.400	ng/ul	-0.01
23) Perylene-d12	23.433	264	23672m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.148	96	33016	3.234	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.982	152	10353	0.239	ng/ul	-0.02
18) Fluoranthene-d10	19.045	212	15910m	0.288	ng/ul	-0.01
Target Compounds						
						Qvalue
5) Naphthalene	10.437	128	84041	1.101	ng/ul	99
7) 2-Methylnaphthalene	12.059	142	26369	0.521	ng/ul	99
8) 1-Methylnaphthalene	12.279	142	20180	0.385	ng/ul	99
10) Acenaphthylene	13.975	152	24224	0.349	ng/ul#	91
11) Acenaphthene	14.318	153	114369	2.123	ng/ul	98
12) Fluorene	15.312	166	96052	1.497	ng/ul	99
15) Phenanthrene	17.054	178	1431821m	16.270	ng/ul	
16) Anthracene	17.143	178	207330m	2.641	ng/ul	
19) Fluoranthene	19.078	202	1674686m	23.952	ng/ul	
20) Pyrene	19.445	202	1165297m	15.949	ng/ul	
21) Benzo(a)anthracene	21.200	228	618008m	9.326	ng/ul	
22) Chrysene	21.252	228	669231m	9.201	ng/ul	
24) Benzo(b)fluoranthene	22.769	252	845763m	8.224	ng/ul	
25) Benzo(k)fluoranthene	22.807	252	295667m	2.959	ng/ul	
26) Benzo(a)pyrene	23.336	252	315821m	4.414	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.666	276	279368m	2.493	ng/ul	
28) Dibenzo(a,h)anthracene	25.670	278	101631m	1.221	ng/ul	
29) Benzo(g,h,i)perylene	26.354	276	42017m	0.471	ng/ul	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032345.D
Acq On : 29 Jun 2024 11:05
Operator : MA/JU
Sample : P2934-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP9

Manual IntegrationsAPPROVED

Quant Time: Jun 30 23:04:26 2024
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