

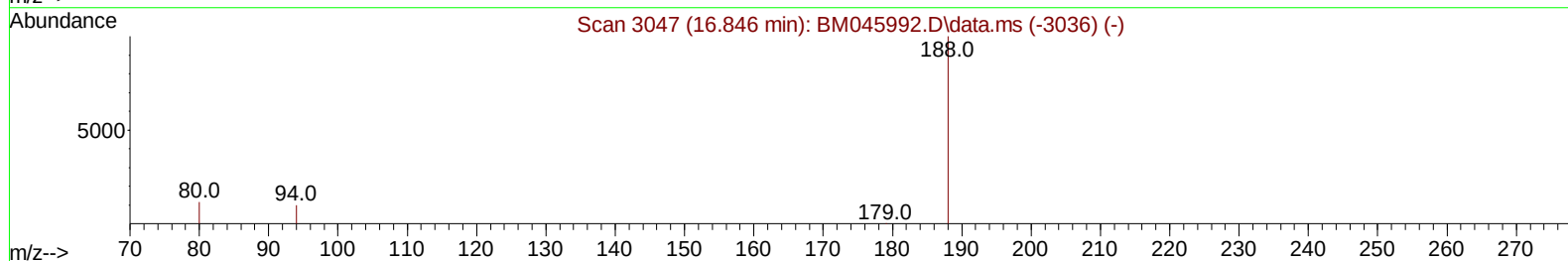
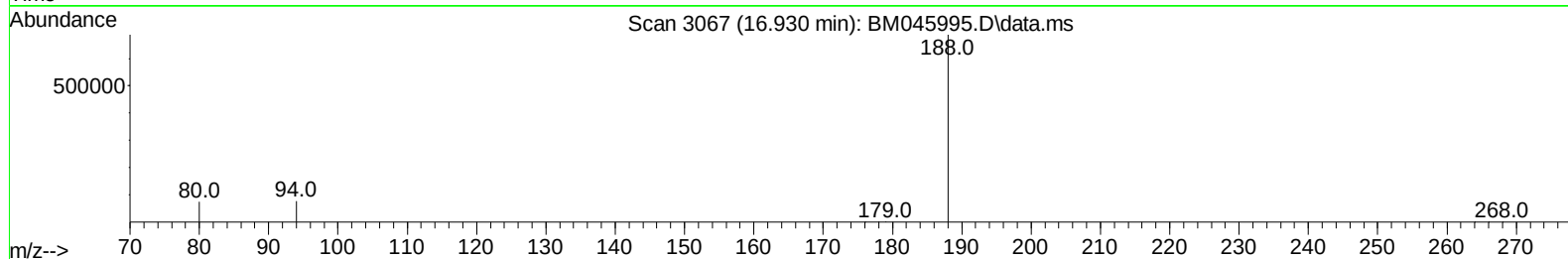
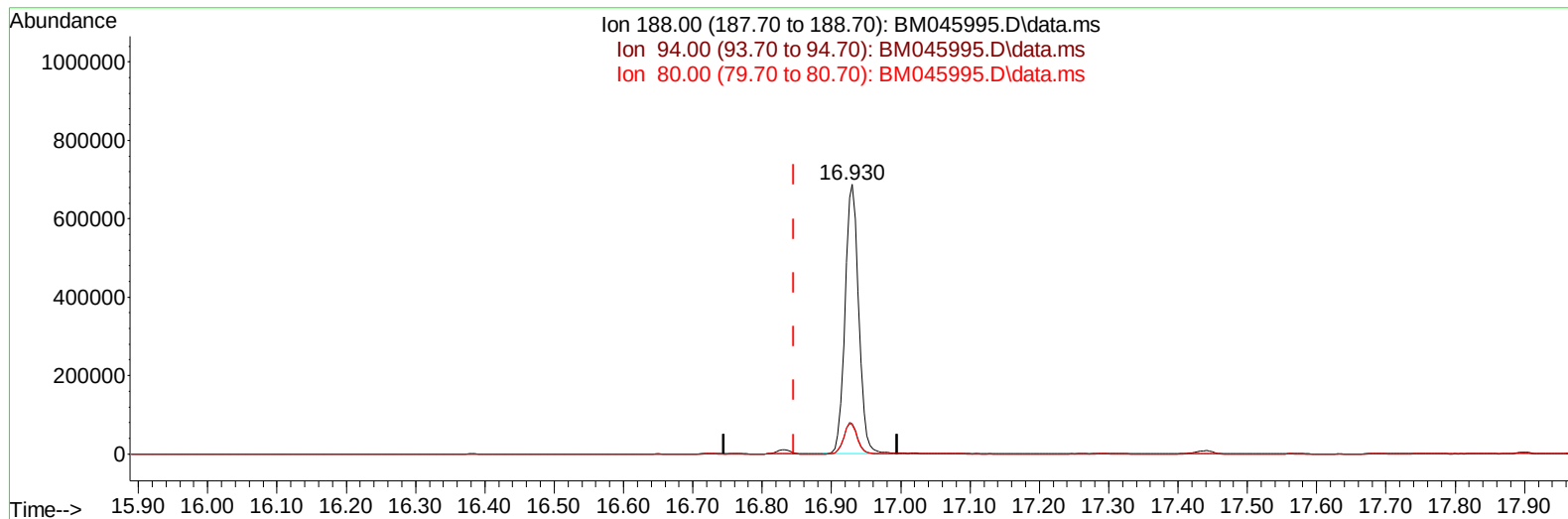
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045995.D
Acq On : 12 Jun 2024 13:05
Operator : MA/JU
Sample : P2642-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C18

Manual IntegrationsAPPROVED

Quant Time: Jun 13 00:07:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 00:05:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



TIC: BM045995.D\data.ms

(13) Phenanthrene-d10 (I)

16.930min (+ 0.084) 0.40 ng/u1

response 948806

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	11.28
80.00	11.70	10.73
0.00	0.00	0.00

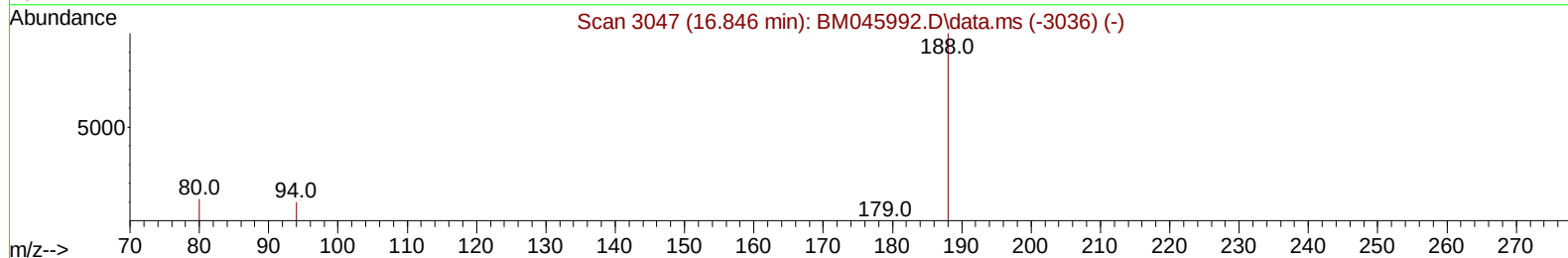
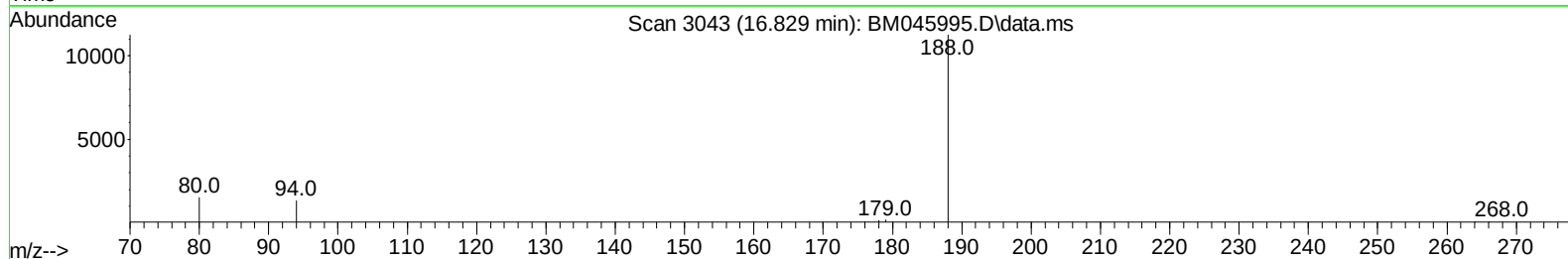
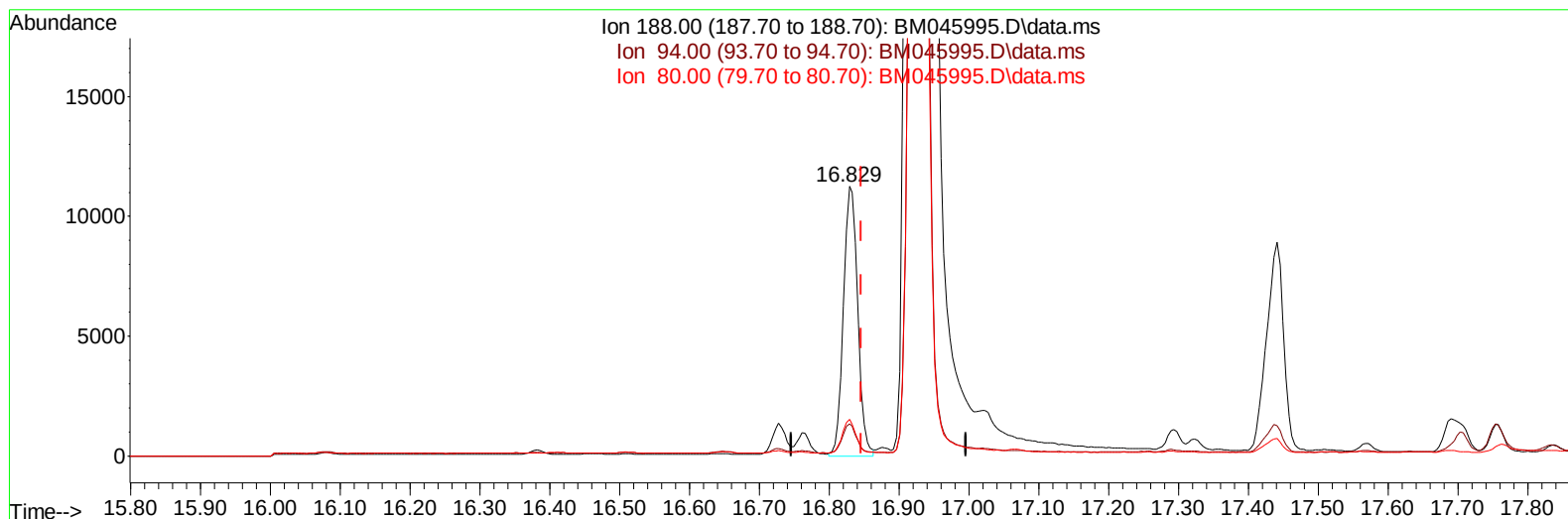
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045995.D
Acq On : 12 Jun 2024 13:05
Operator : MA/JU
Sample : P2642-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C18

Manual IntegrationsAPPROVED

Quant Time: Jun 13 00:07:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 00:05:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



TIC: BM045995.D\data.ms

(13) Phenanthrene-d10 (I)

16.829min (-0.017) 0.40 ng/ul m

response 15911

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	12.02
80.00	11.70	13.54
0.00	0.00	0.00

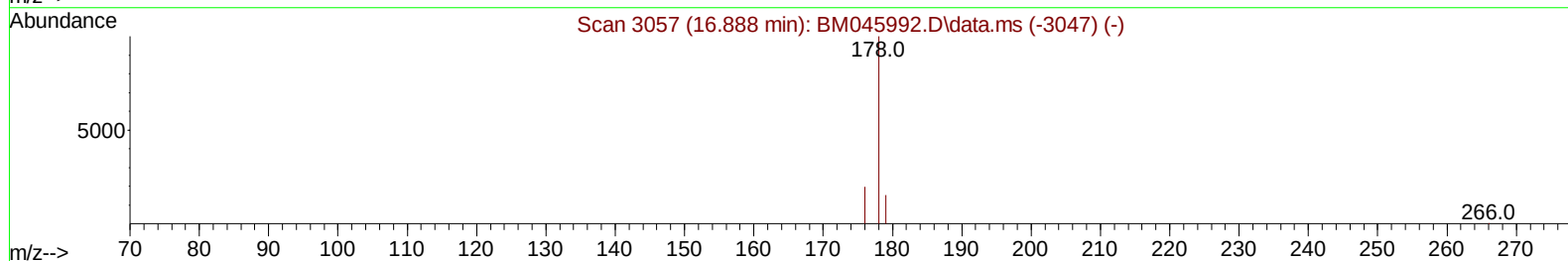
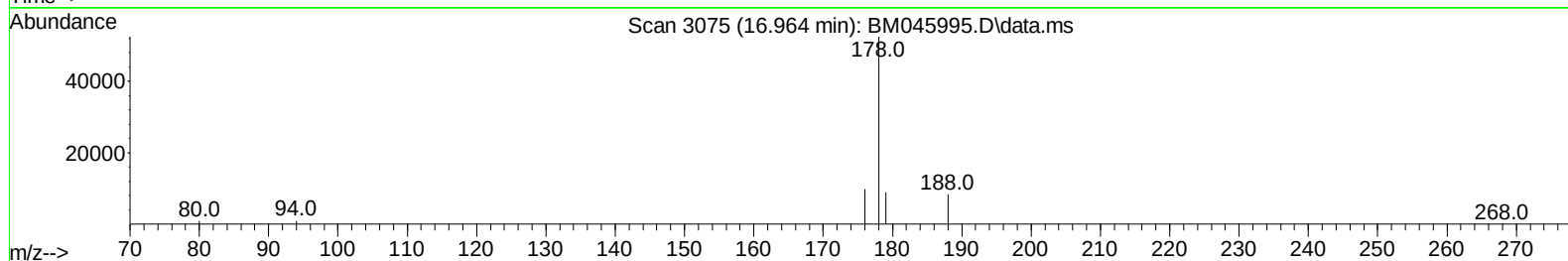
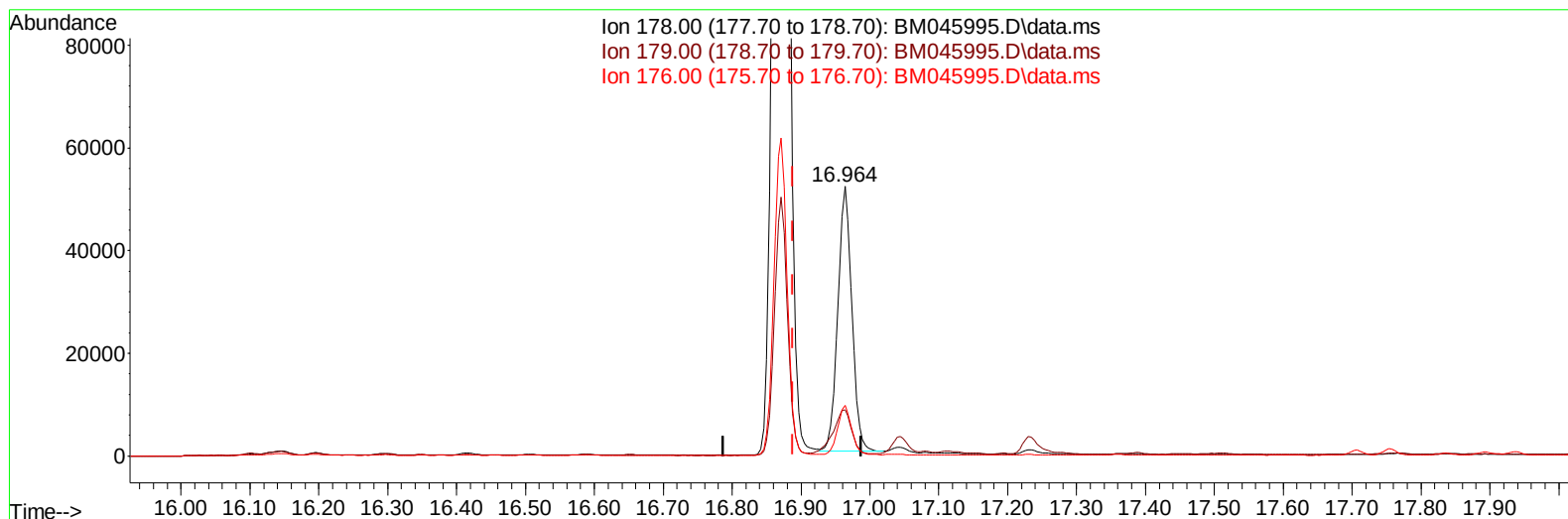
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045995.D
Acq On : 12 Jun 2024 13:05
Operator : MA/JU
Sample : P2642-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C18

Manual IntegrationsAPPROVED

Quant Time: Jun 13 00:07:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 00:05:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



TIC: BM045995.D\data.ms

(15) Phenanthrene

16.964min (+ 0.076) 1.64 ng/u1

response 73199

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	17.20
176.00	19.50	18.70
0.00	0.00	0.00

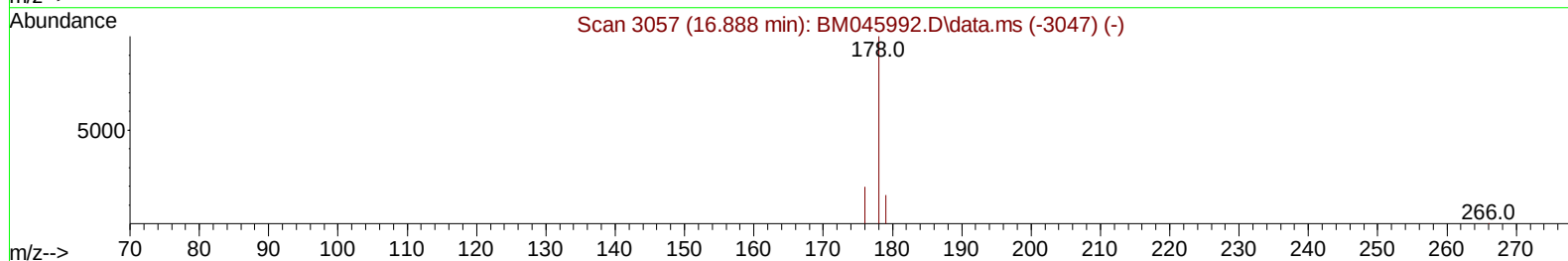
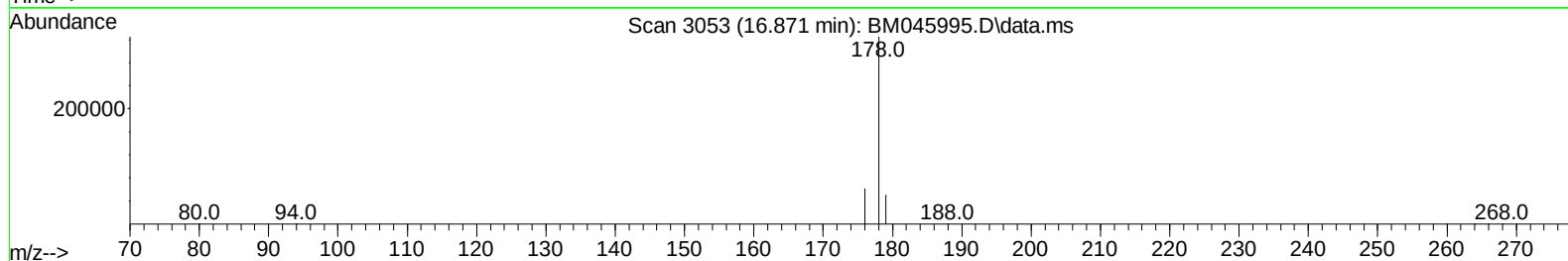
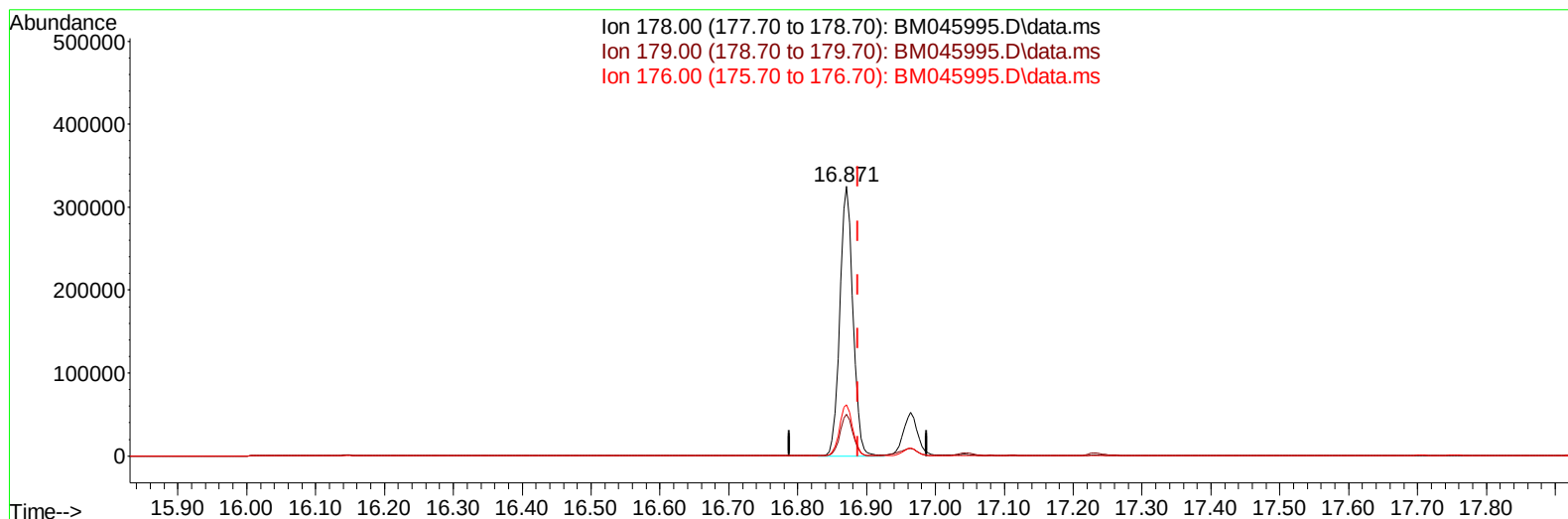
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045995.D
Acq On : 12 Jun 2024 13:05
Operator : MA/JU
Sample : P2642-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C18

Manual IntegrationsAPPROVED

Quant Time: Jun 13 00:07:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 00:05:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



TIC: BM045995.D\data.ms

(15) Phenanthrene

16.871min (-0.017) 9.69 ng/ul m

response 432995

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	15.50
176.00	19.50	19.05
0.00	0.00	0.00

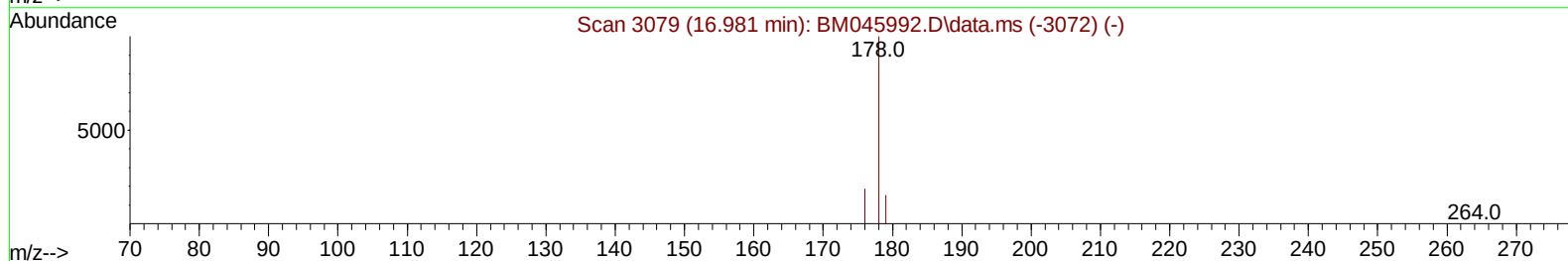
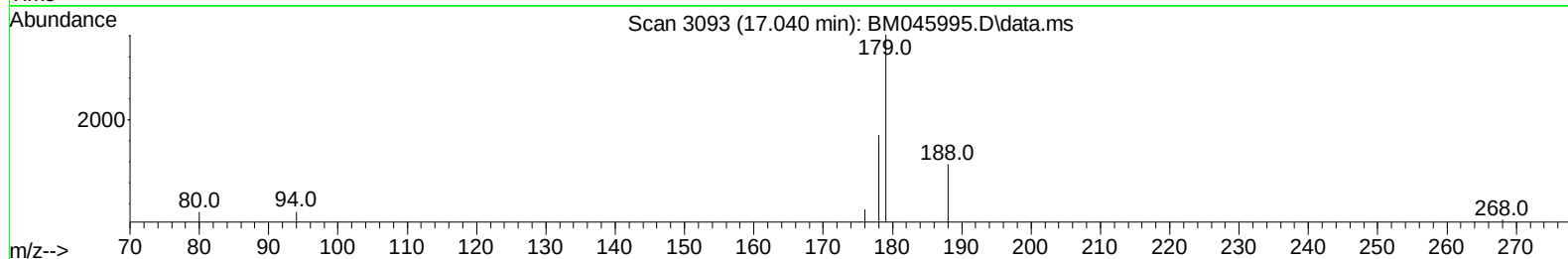
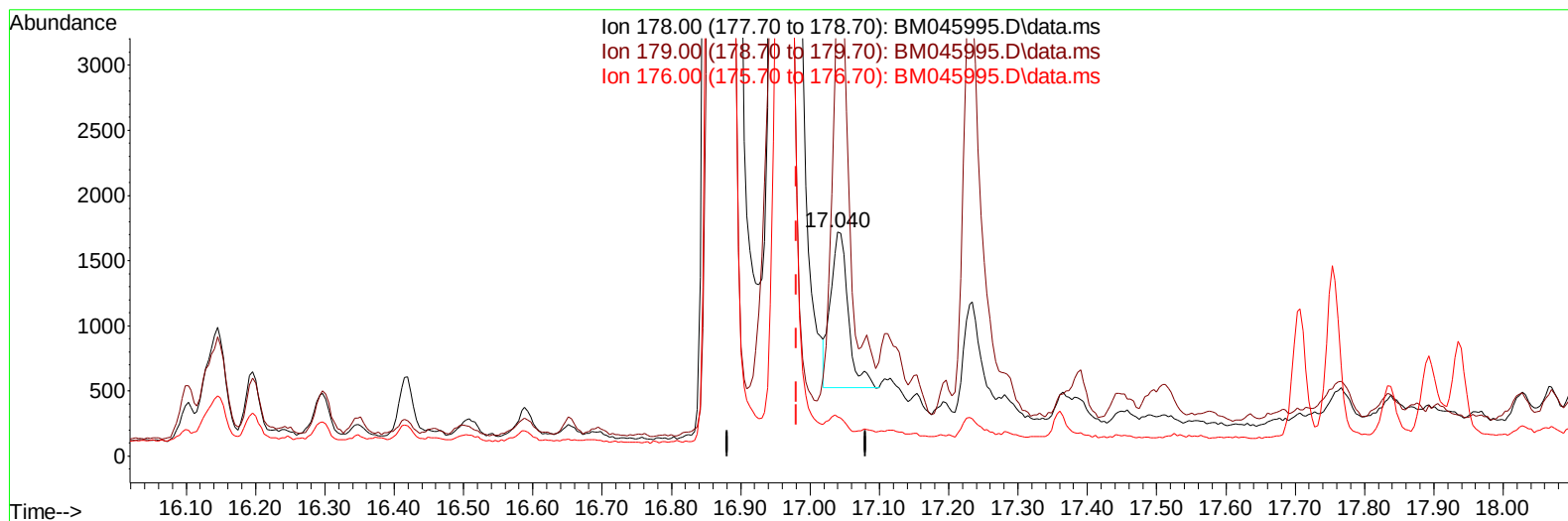
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045995.D
Acq On : 12 Jun 2024 13:05
Operator : MA/JU
Sample : P2642-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C18

Manual IntegrationsAPPROVED

Quant Time: Jun 13 00:07:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 00:05:38 2024
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Supervised By :mohammad ahmed 06/15/2024



TIC: BM045995.D\data.ms

(16) Anthracene

17.040min (+ 0.059) 0.06 ng/u1

response 2103

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	211.12#
176.00	19.40	17.35
0.00	0.00	0.00

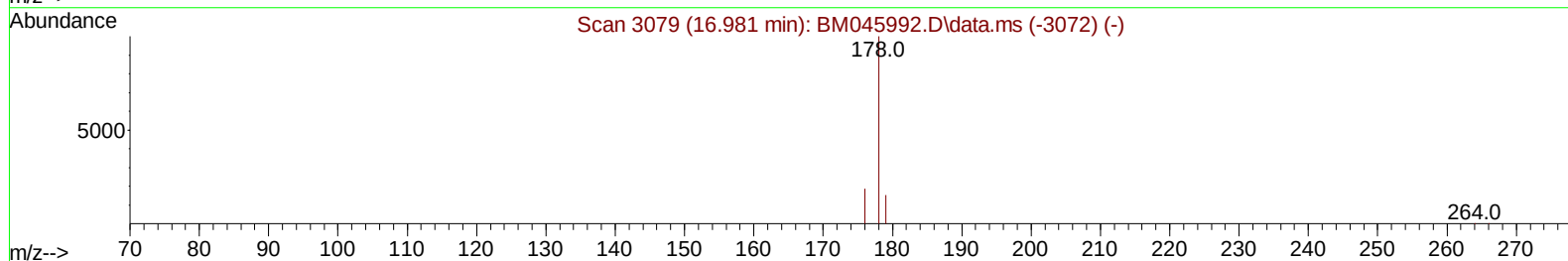
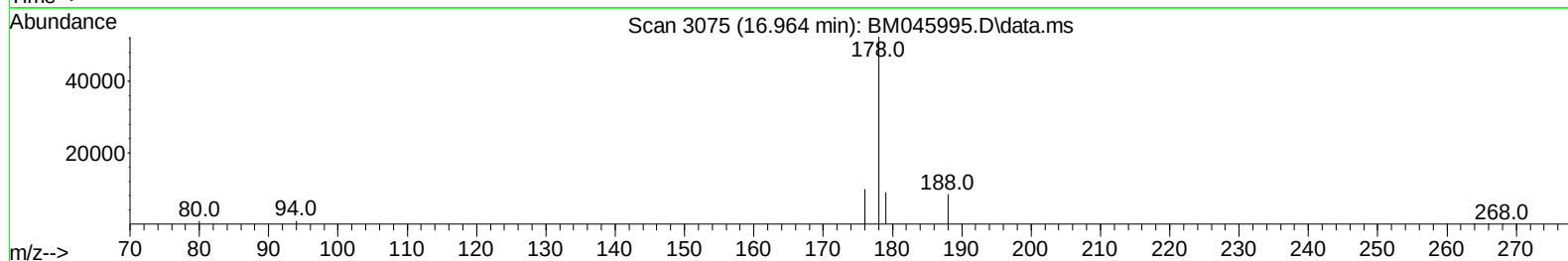
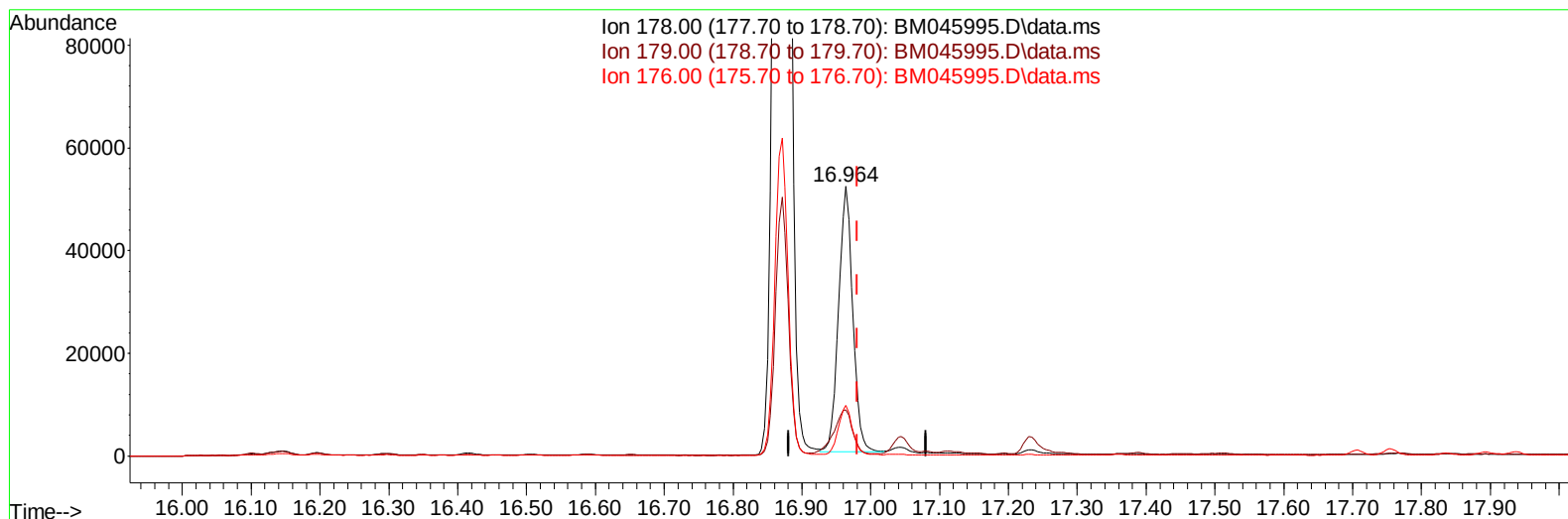
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045995.D
Acq On : 12 Jun 2024 13:05
Operator : MA/JU
Sample : P2642-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C18

Manual IntegrationsAPPROVED

Quant Time: Jun 13 00:07:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 00:05:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



TIC: BM045995.D\data.ms

(16) Anthracene

16.964min (-0.017) 1.93 ng/ul m

response 73567

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	17.20
176.00	19.40	18.70
0.00	0.00	0.00

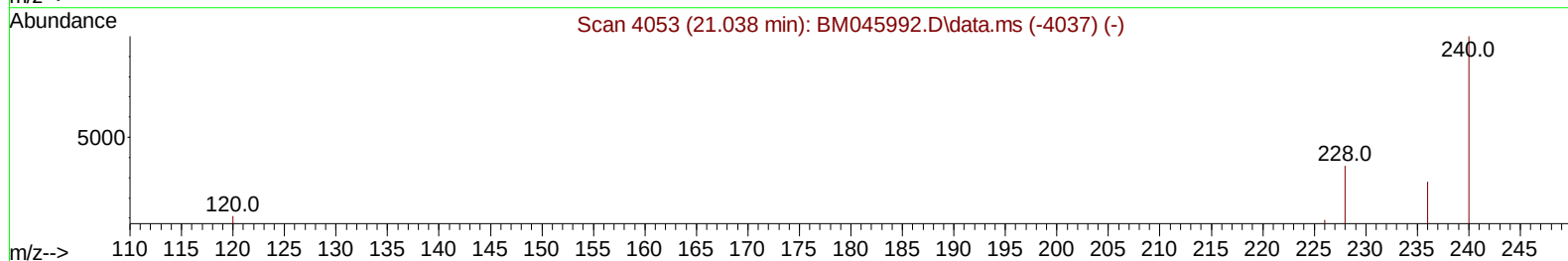
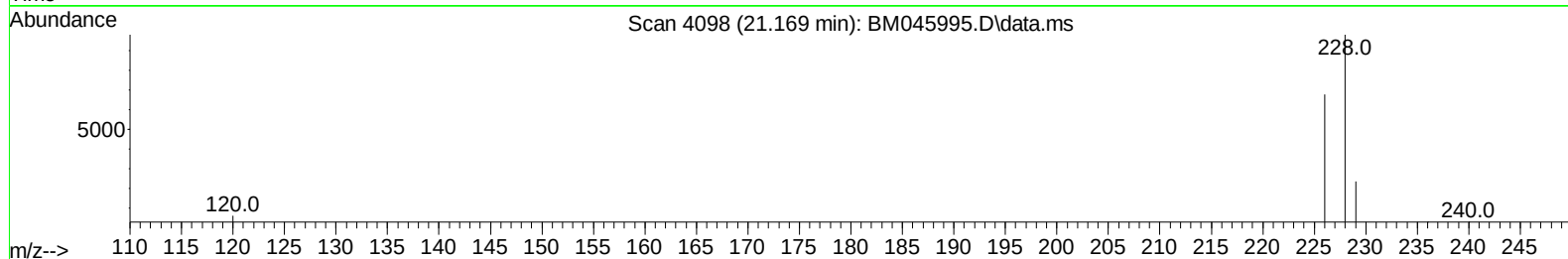
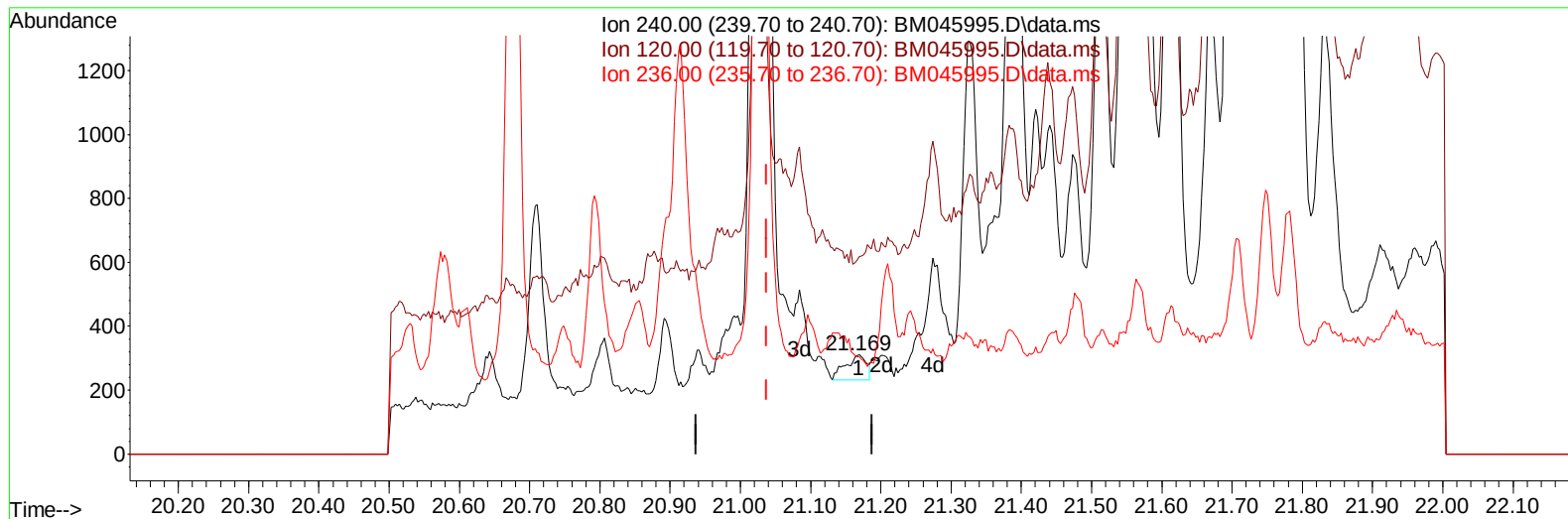
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045995.D
Acq On : 12 Jun 2024 13:05
Operator : MA/JU
Sample : P2642-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C18

Manual IntegrationsAPPROVED

Quant Time: Jun 13 00:07:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 00:05:38 2024
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Supervised By :mohammad ahmed 06/15/2024



TIC: BM045995.D\data.ms

(17) Chrysene-d12

21.169min (+ 0.131) 0.40 ng/u1

response 159

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.10	198.39#
236.00	29.50	98.07#
0.00	0.00	0.00

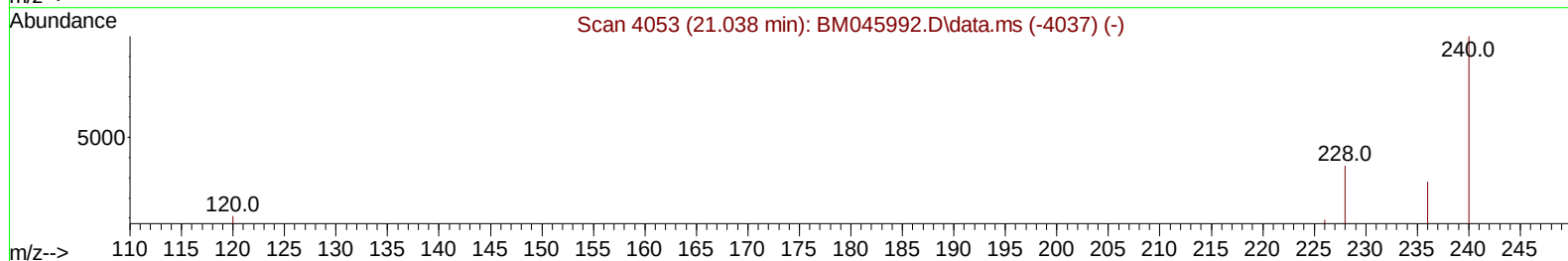
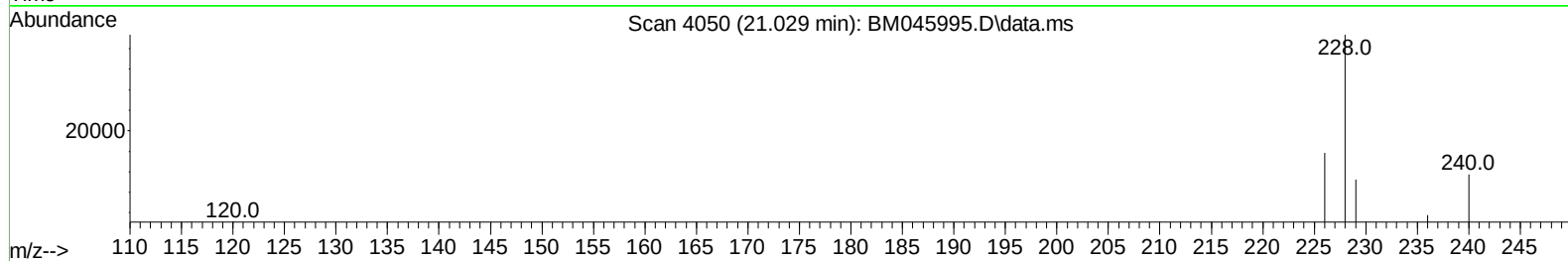
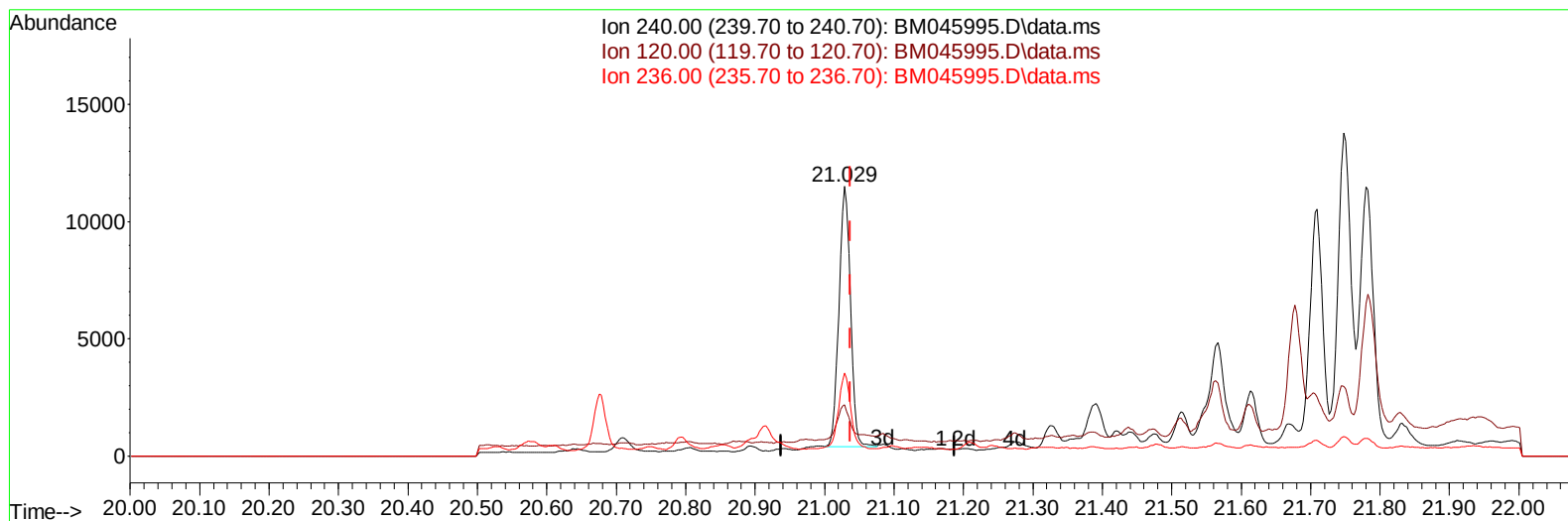
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045995.D
Acq On : 12 Jun 2024 13:05
Operator : MA/JU
Sample : P2642-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C18

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024

Quant Time: Jun 13 00:07:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 00:05:38 2024
Response via : Initial Calibration



TIC: BM045995.D\data.ms

(17) Chrysene-d12

21.029min (-0.009) 0.40 ng/ul m

response 12817

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.10	19.00
236.00	29.50	30.85
0.00	0.00	0.00

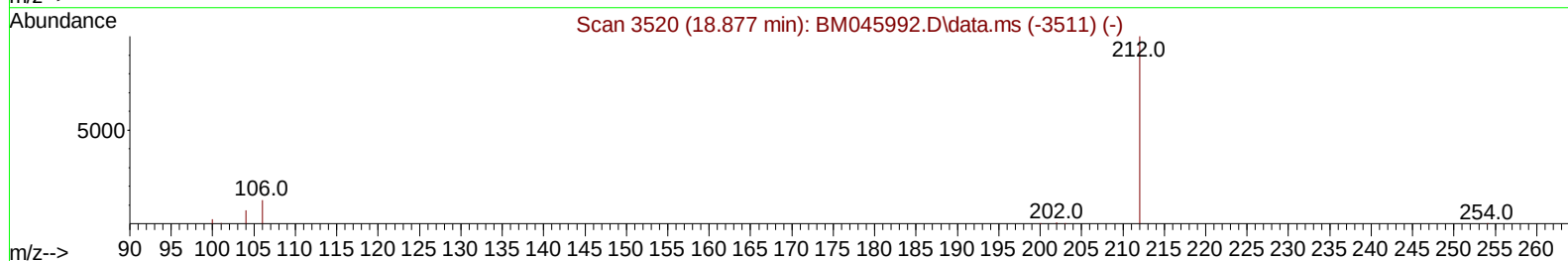
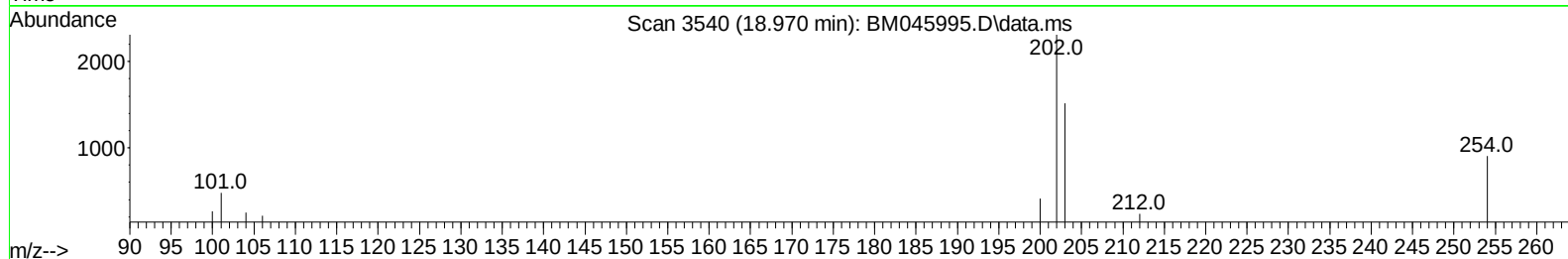
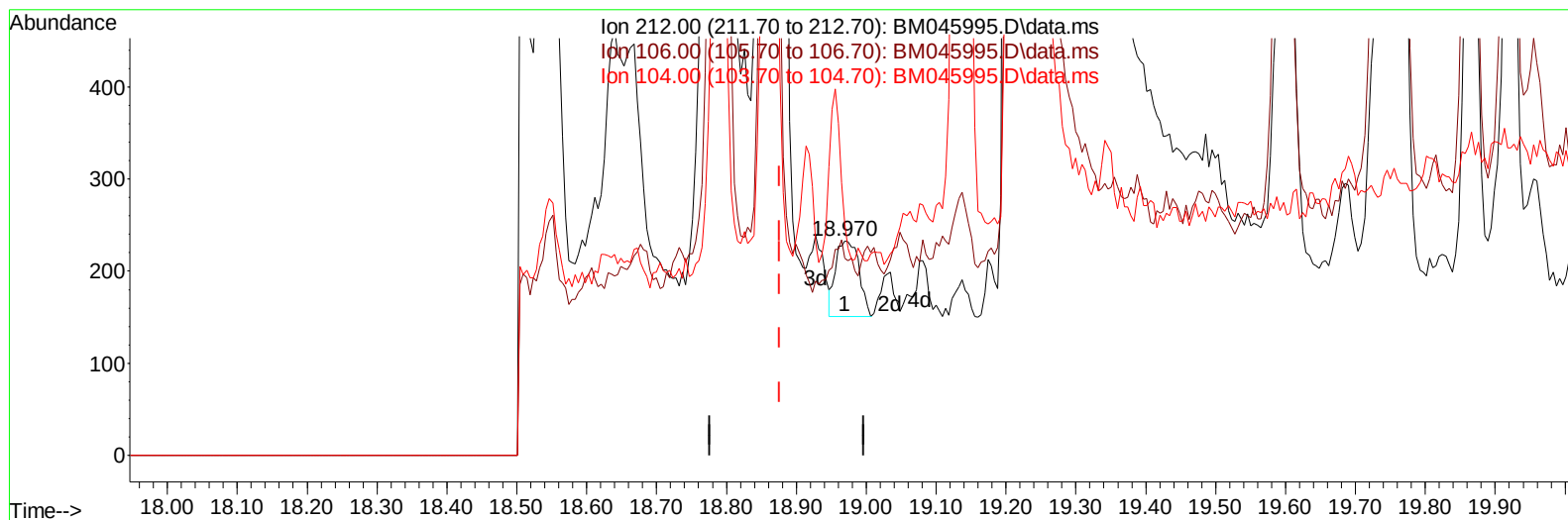
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045995.D
Acq On : 12 Jun 2024 13:05
Operator : MA/JU
Sample : P2642-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C18

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024

Quant Time: Jun 13 00:07:33 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 00:05:38 2024
Response via : Initial Calibration



TIC: BM045995.D\data.ms

(18) Fluoranthene-d10 (SURR)

18.970min (+ 0.093) 0.00 ng/u1

response 189

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	14.00	58.73#
104.00	8.70	118.52#
0.00	0.00	0.00

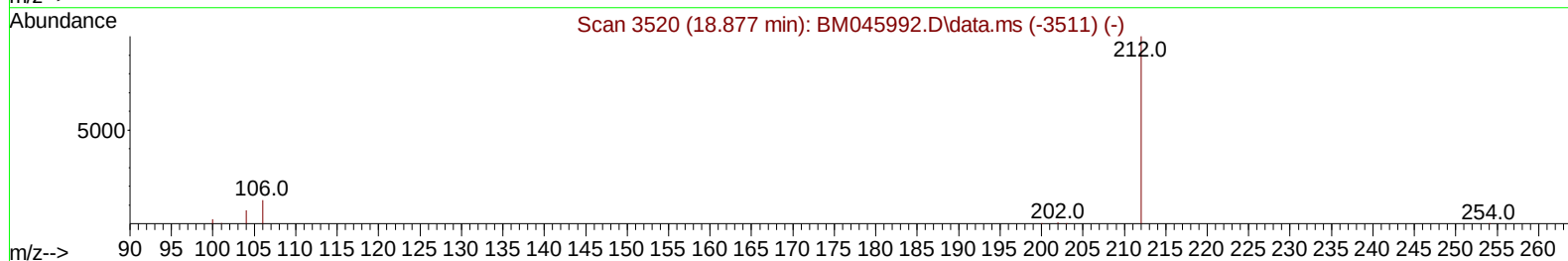
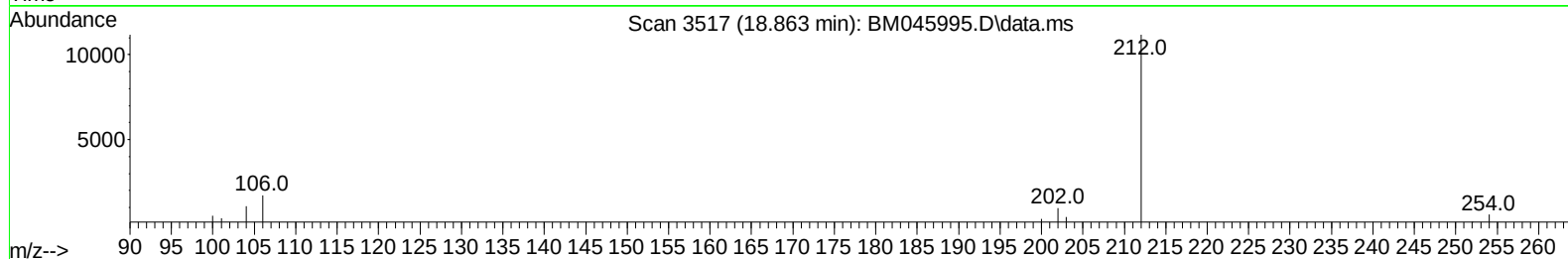
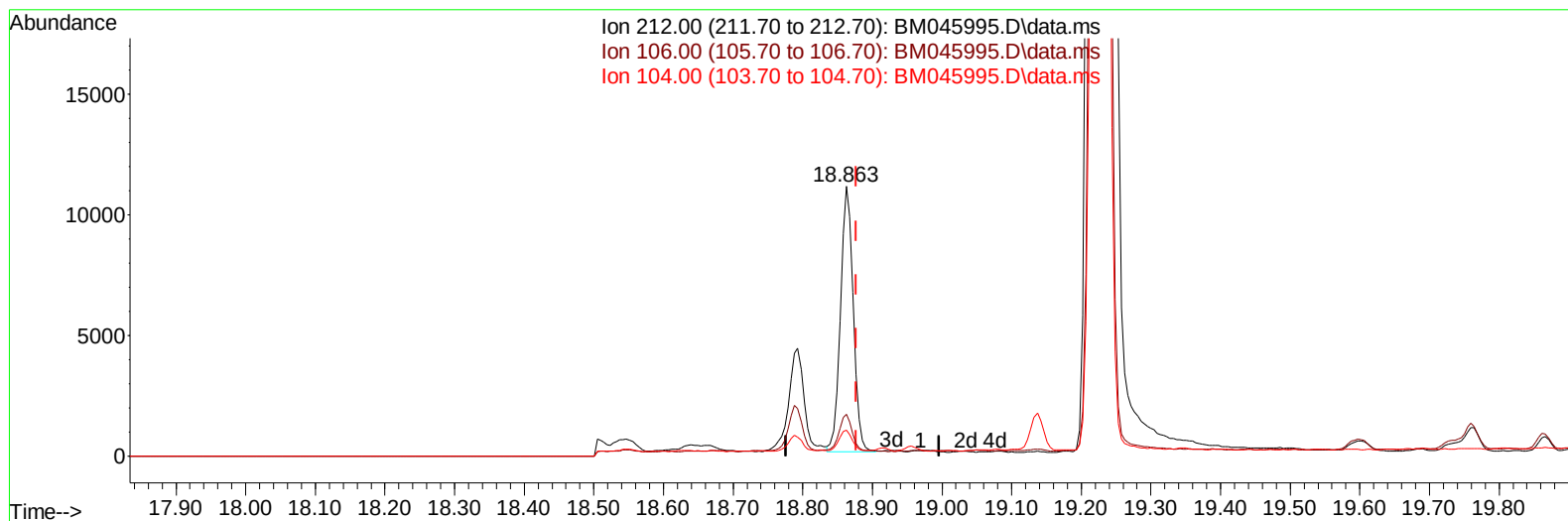
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045995.D
Acq On : 12 Jun 2024 13:05
Operator : MA/JU
Sample : P2642-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C18

Manual IntegrationsAPPROVED

Quant Time: Jun 13 00:07:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 00:05:38 2024
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Supervised By :mohammad ahmed 06/15/2024



TIC: BM045995.D\data.ms

(18) Fluoranthene-d10 (SURR)

18.863min (-0.014) 0.37 ng/ul m

response 14196

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	14.00	0.78#
104.00	8.70	1.58#
0.00	0.00	0.00

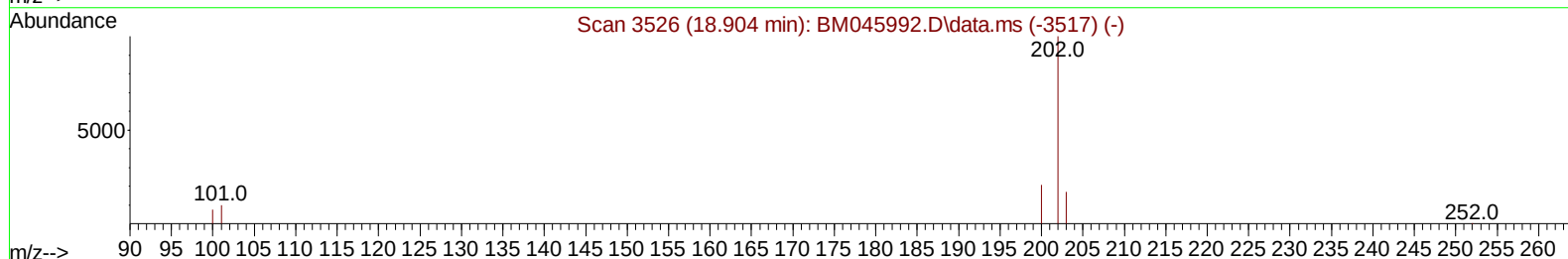
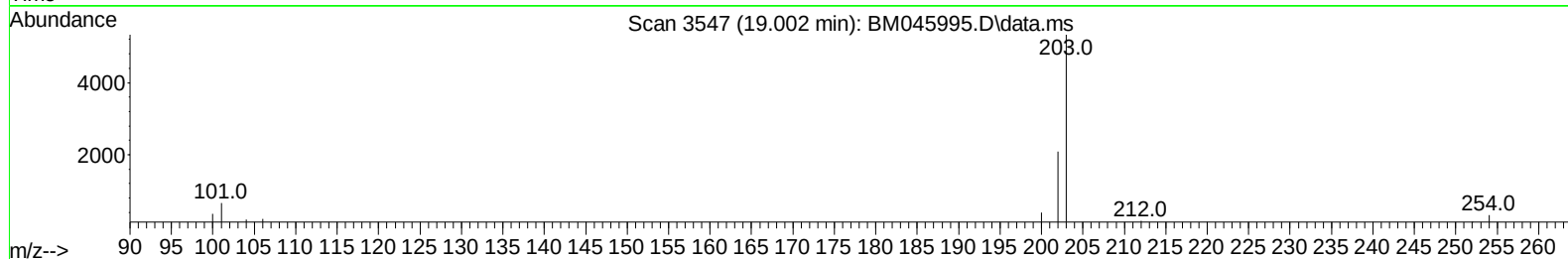
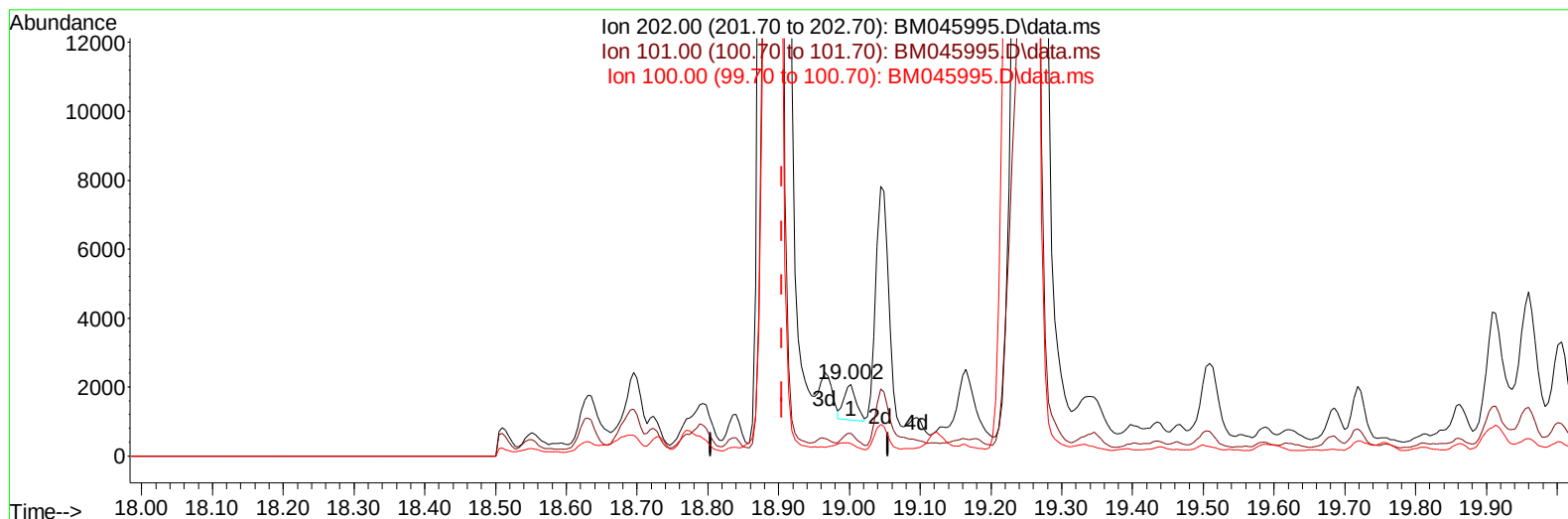
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045995.D
Acq On : 12 Jun 2024 13:05
Operator : MA/JU
Sample : P2642-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C18

Manual IntegrationsAPPROVED

Quant Time: Jun 13 00:07:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 00:05:38 2024
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Supervised By :mohammad ahmed 06/15/2024



TIC: BM045995.D\data.ms

(19) Fluoranthene (C)

19.002min (+ 0.098) 0.02 ng/u1

response 1241

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.30	31.57#
100.00	8.80	16.94#
0.00	0.00	0.00

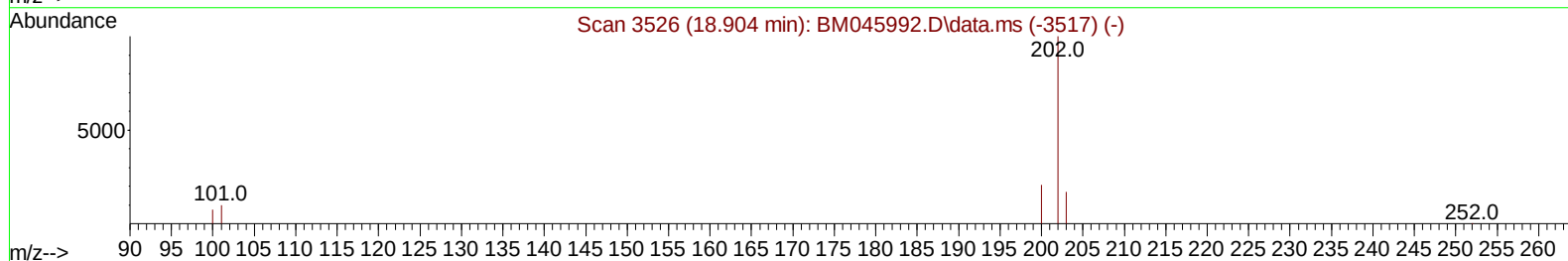
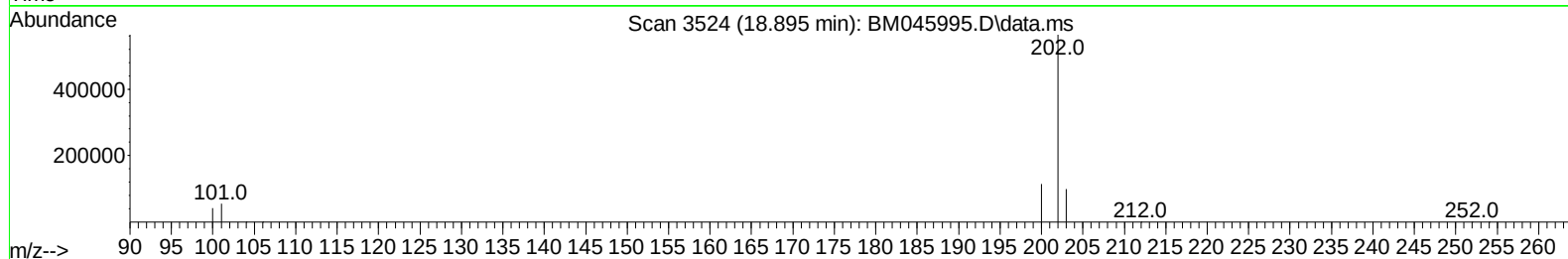
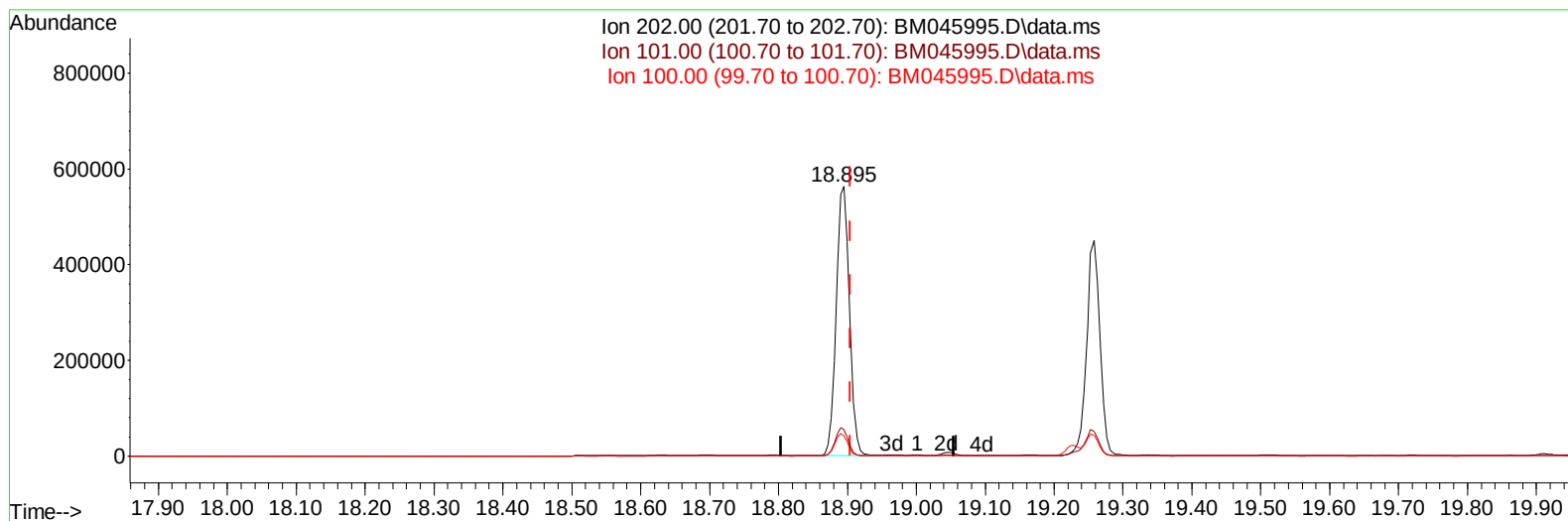
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045995.D
Acq On : 12 Jun 2024 13:05
Operator : MA/JU
Sample : P2642-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C18

Manual IntegrationsAPPROVED

Quant Time: Jun 13 00:07:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 00:05:38 2024
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Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



TIC: BM045995.D\data.ms

(19) Fluoranthene (C)

18.895min (-0.009) 14.71 ng/ul m

response 752018

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.30	9.84
100.00	8.80	7.55
0.00	0.00	0.00

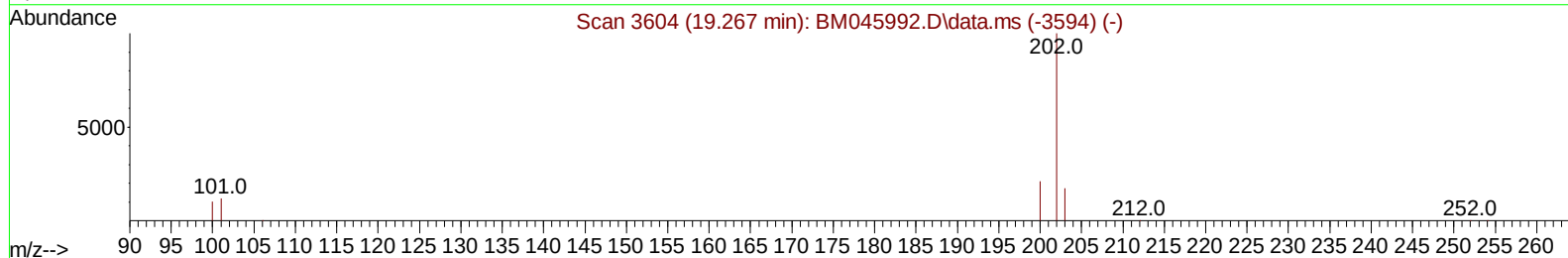
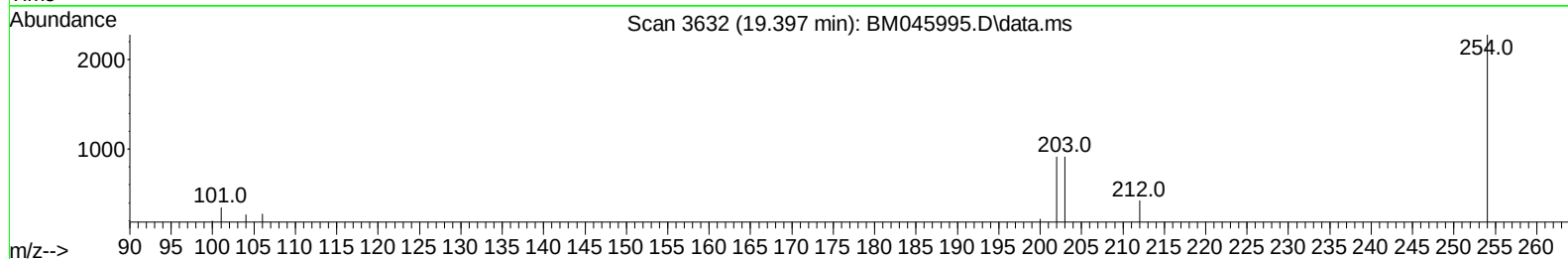
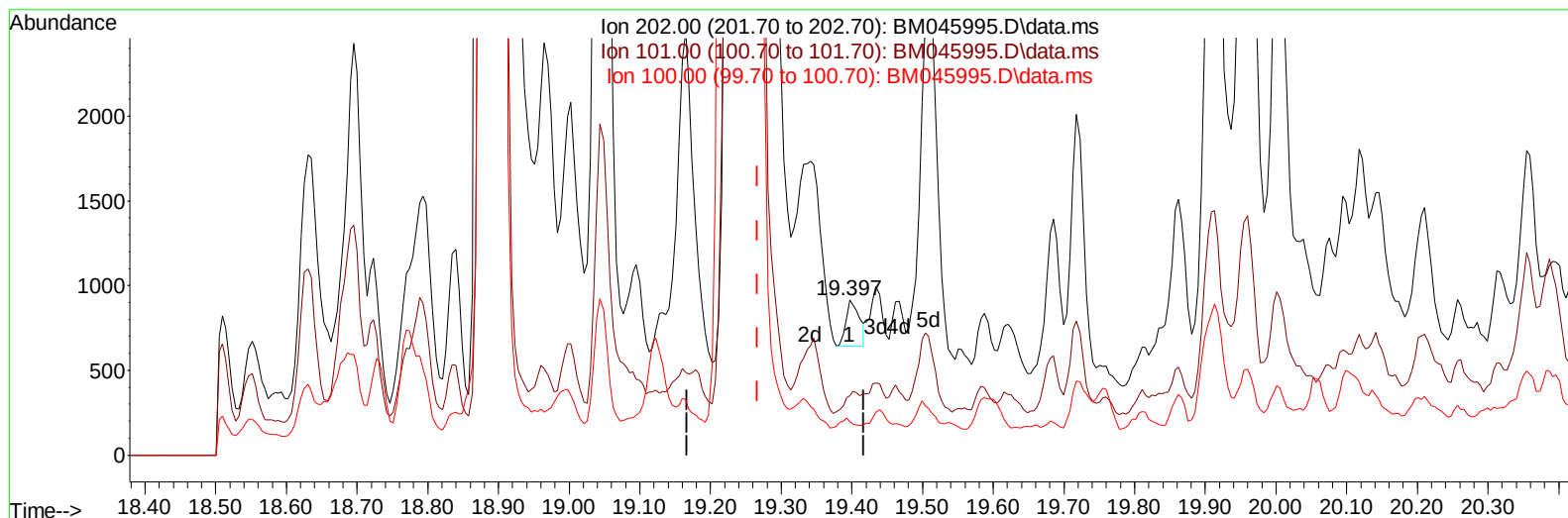
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045995.D
Acq On : 12 Jun 2024 13:05
Operator : MA/JU
Sample : P2642-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C18

Manual IntegrationsAPPROVED

Quant Time: Jun 13 00:07:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 00:05:38 2024
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Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



TIC: BM045995.D\data.ms

(20) Pyrene

19.397min (+ 0.130) 0.01 ng/u1

response 362

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	13.30	38.29#
100.00	11.40	21.66#
0.00	0.00	0.00

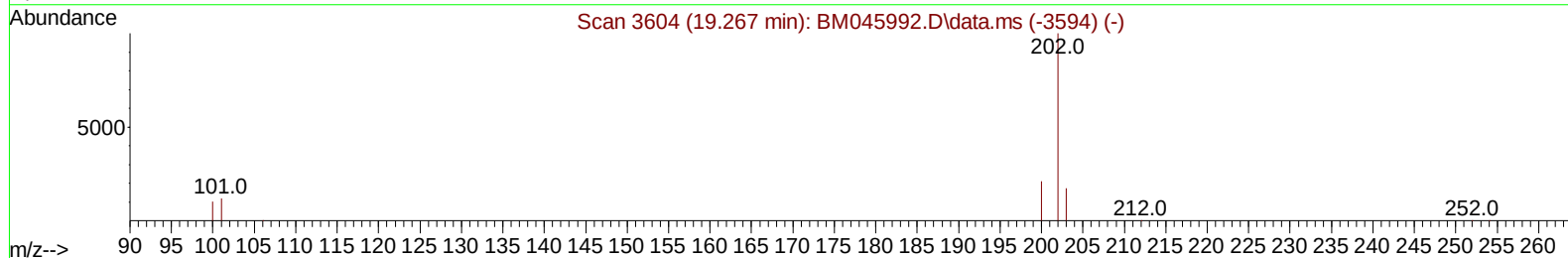
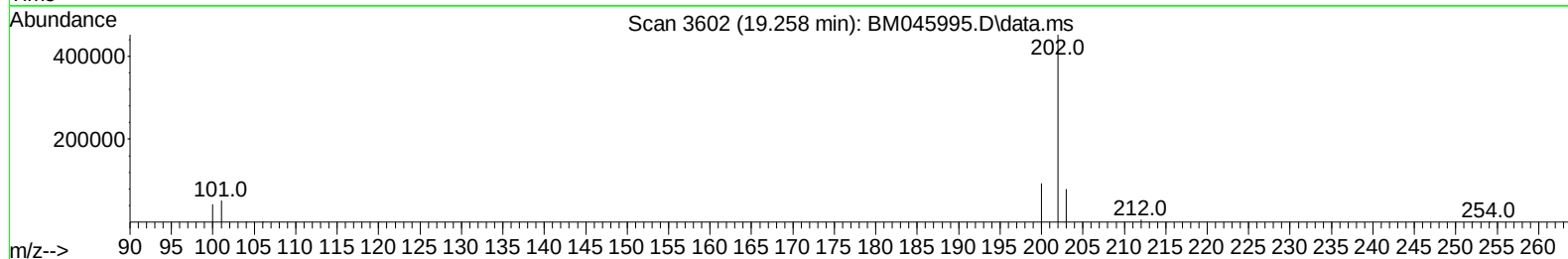
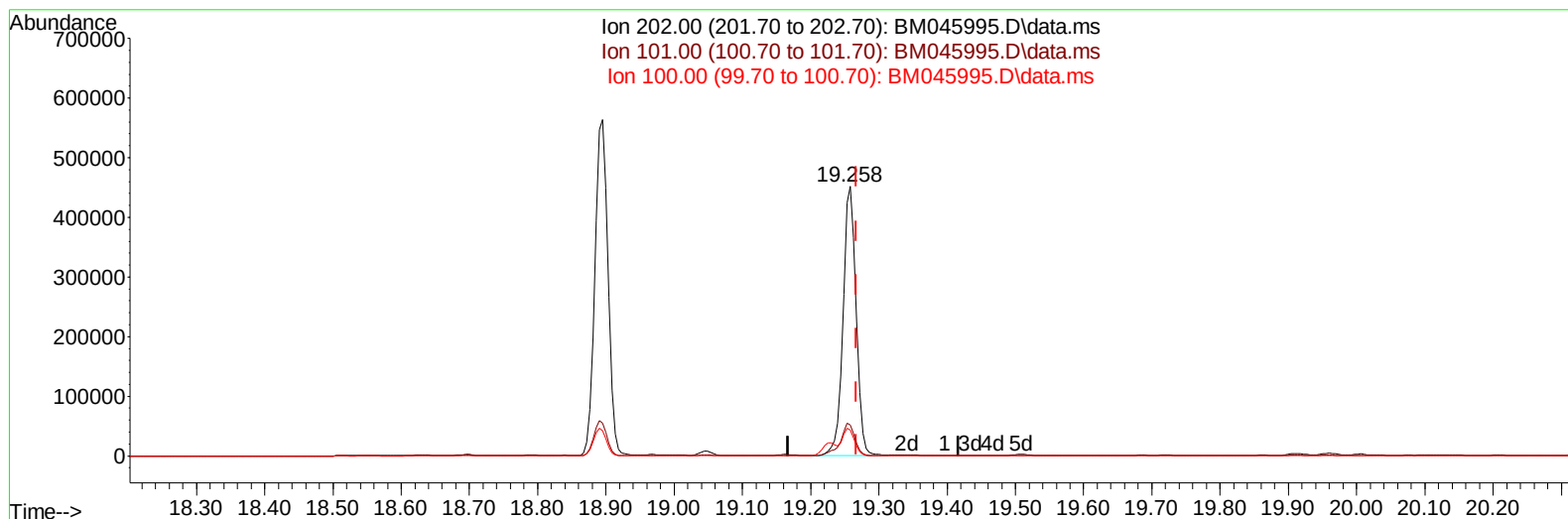
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045995.D
Acq On : 12 Jun 2024 13:05
Operator : MA/JU
Sample : P2642-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C18

Manual IntegrationsAPPROVED

Quant Time: Jun 13 00:07:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 00:05:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



TIC: BM045995.D\data.ms

(20) Pyrene

19.258min (-0.009) 11.23 ng/ul m

response 598500

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	13.30	11.47
100.00	11.40	9.49
0.00	0.00	0.00

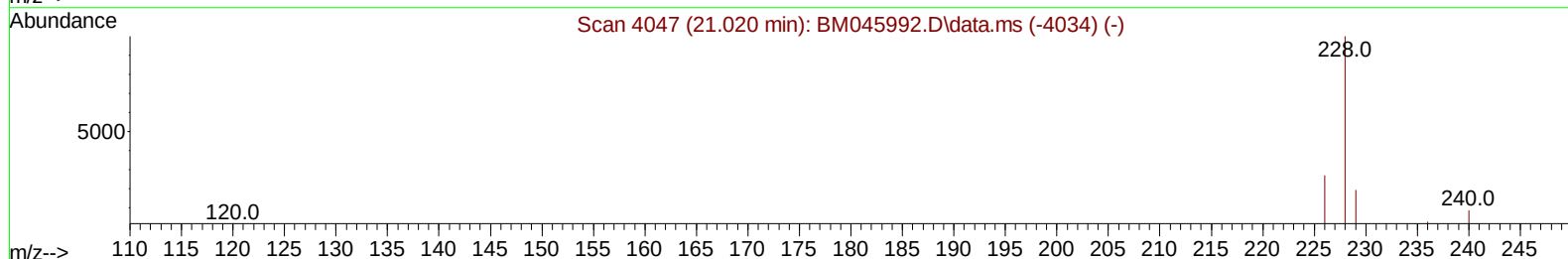
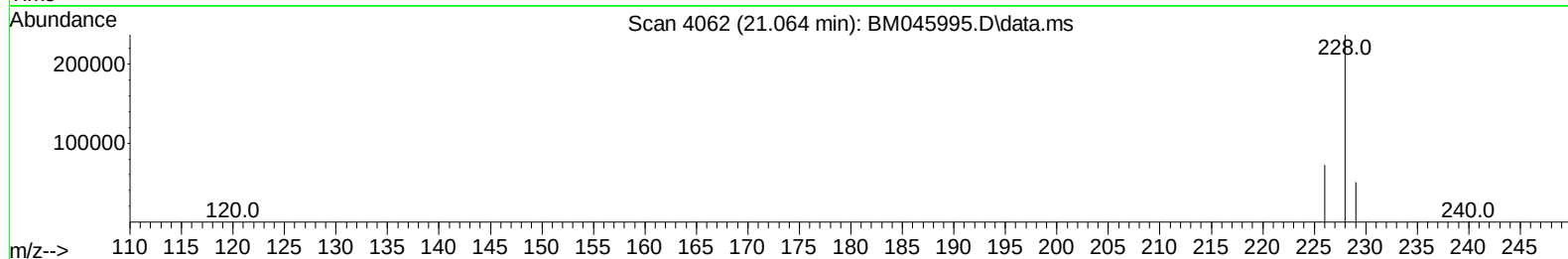
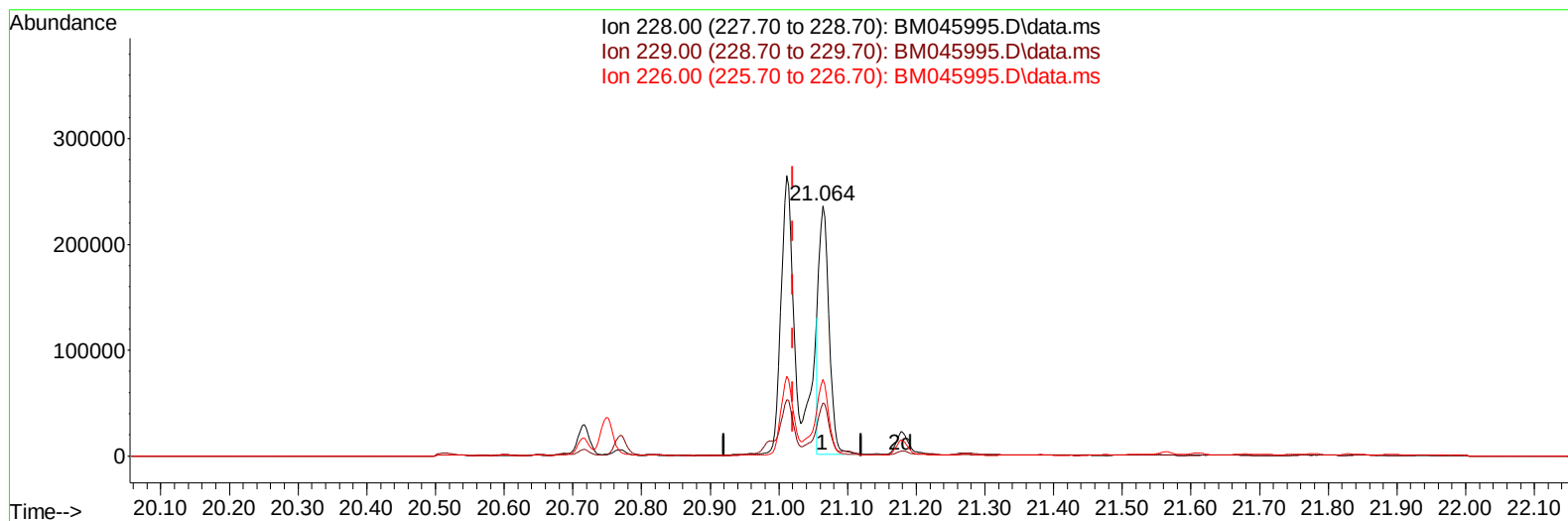
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045995.D
Acq On : 12 Jun 2024 13:05
Operator : MA/JU
Sample : P2642-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C18

Manual IntegrationsAPPROVED

Quant Time: Jun 13 00:07:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 00:05:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



TIC: BM045995.D\data.ms

(21) Benzo(a)anthracene

21.064min (+ 0.044) 5.11 ng/u1

response 240500

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	21.31
226.00	27.50	30.67
0.00	0.00	0.00

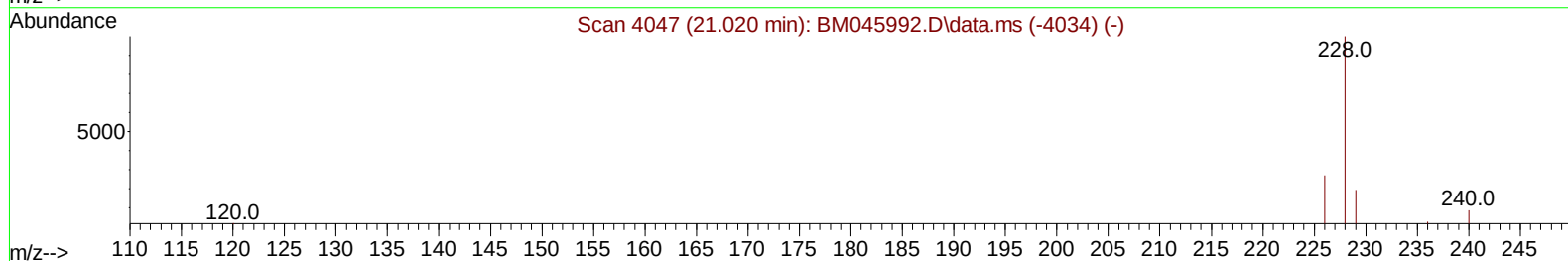
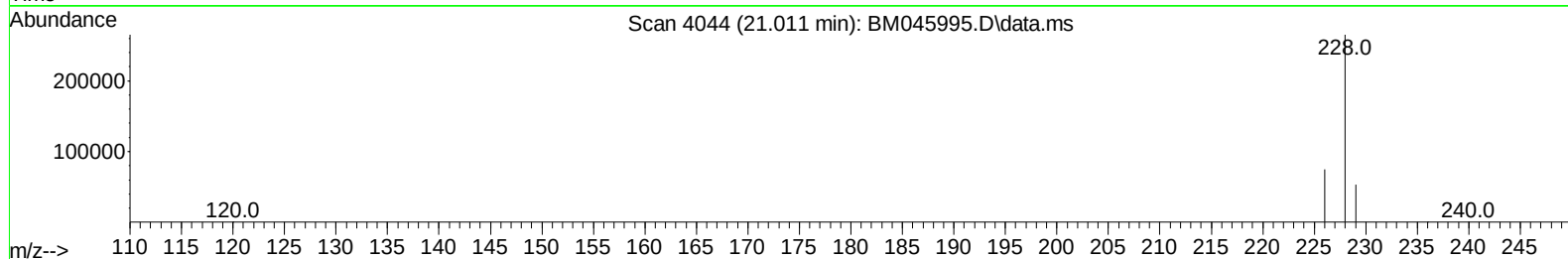
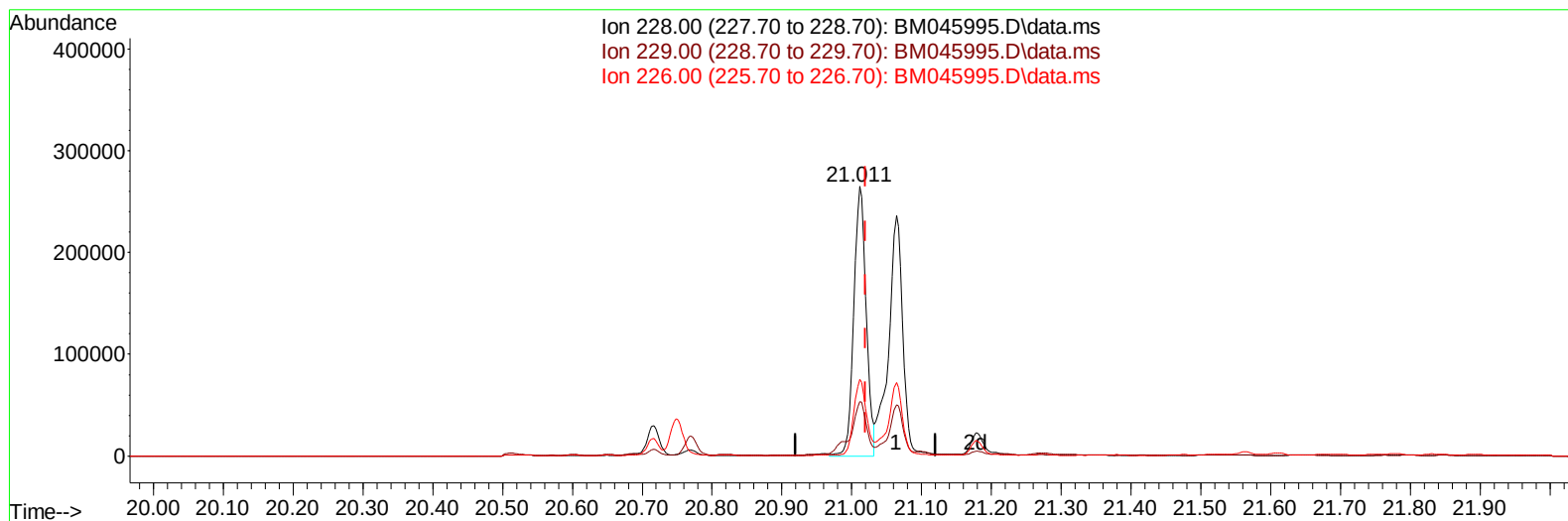
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
 Data File : BM045995.D
 Acq On : 12 Jun 2024 13:05
 Operator : MA/JU
 Sample : P2642-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C18

Manual IntegrationsAPPROVED

Quant Time: Jun 13 00:07:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 00:05:38 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/13/2024
 Supervised By :mohammad ahmed 06/15/2024



TIC: BM045995.D\data.ms

(21) Benzo(a)anthracene

21.011min (-0.009) 6.97 ng/ul m

response 327794

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	20.11
226.00	27.50	28.43
0.00	0.00	0.00

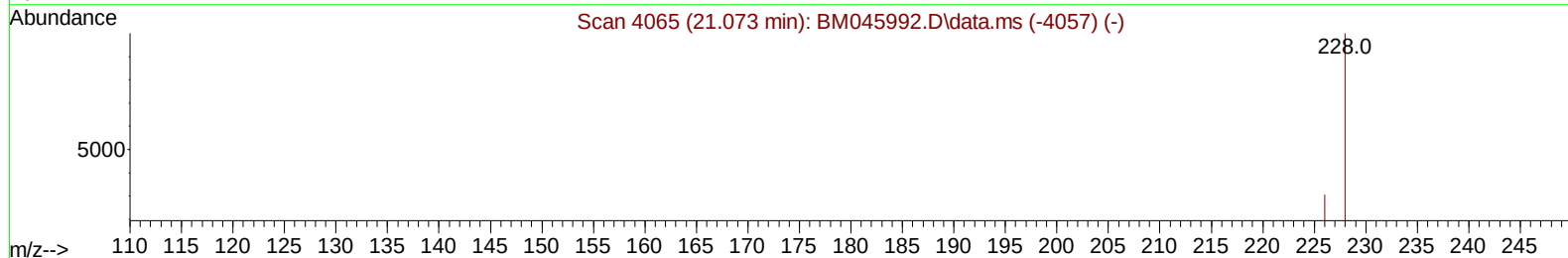
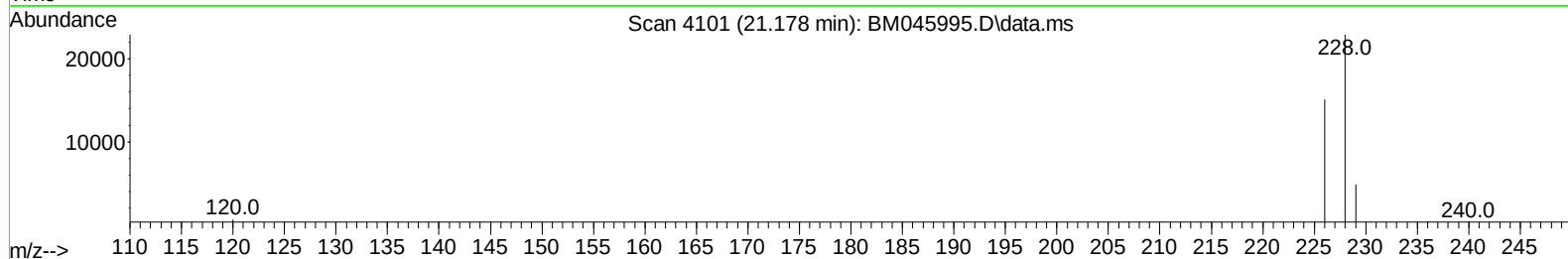
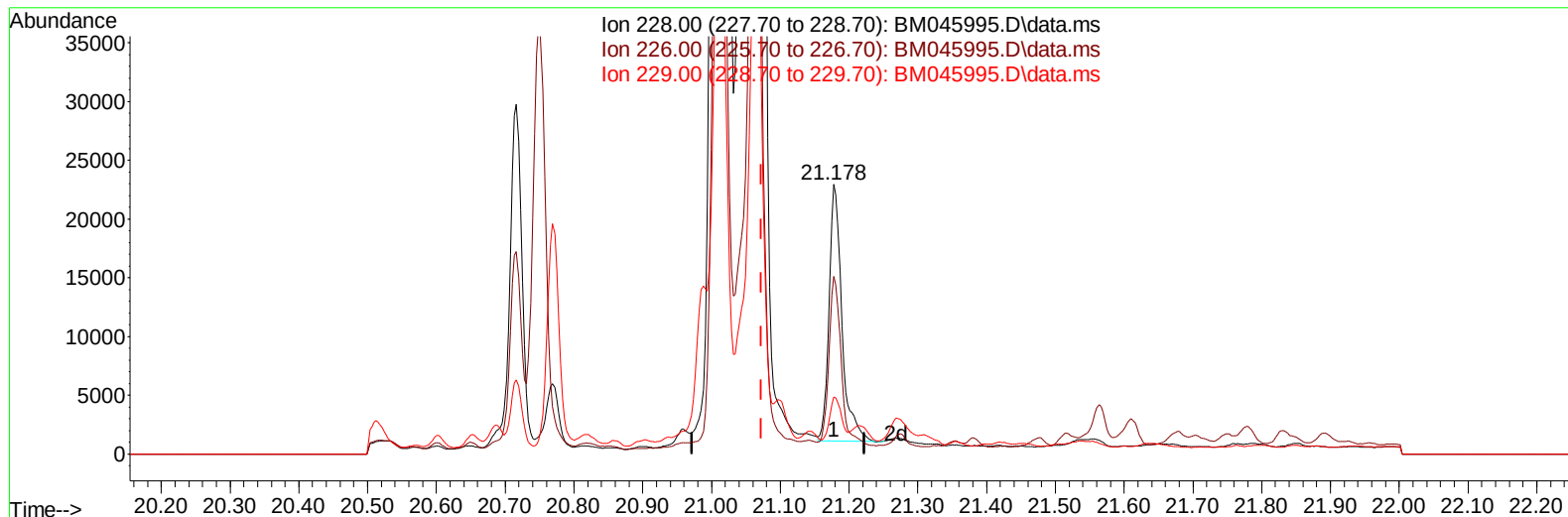
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045995.D
Acq On : 12 Jun 2024 13:05
Operator : MA/JU
Sample : P2642-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C18

Manual IntegrationsAPPROVED

Quant Time: Jun 13 00:07:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 00:05:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



TIC: BM045995.D\data.ms

(22) Chrysene

21.178min (+ 0.105) 0.56 ng/u1

response 28546

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.60	66.02#
229.00	20.20	21.10
0.00	0.00	0.00

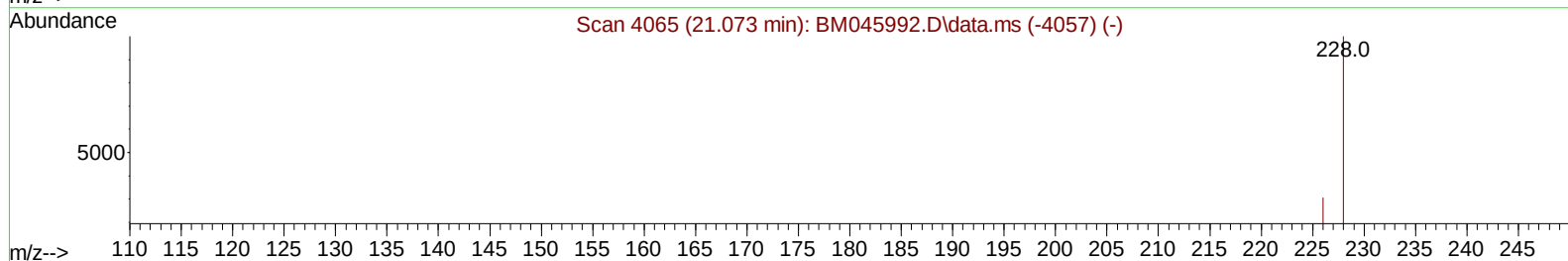
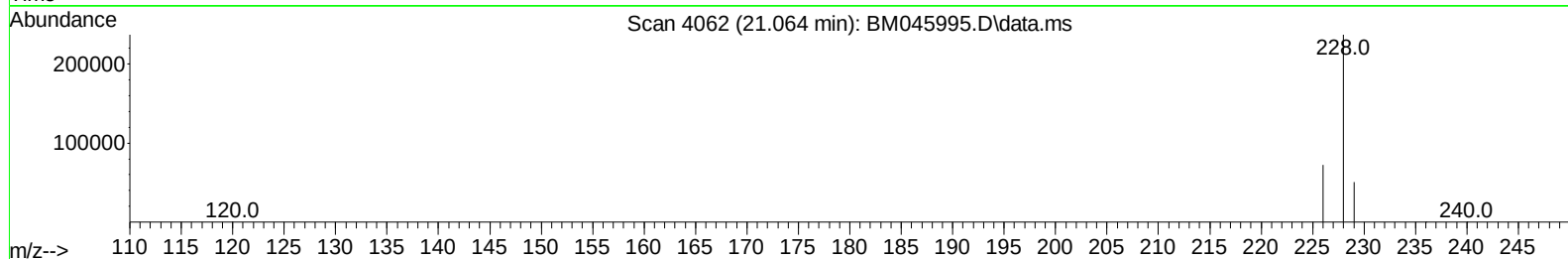
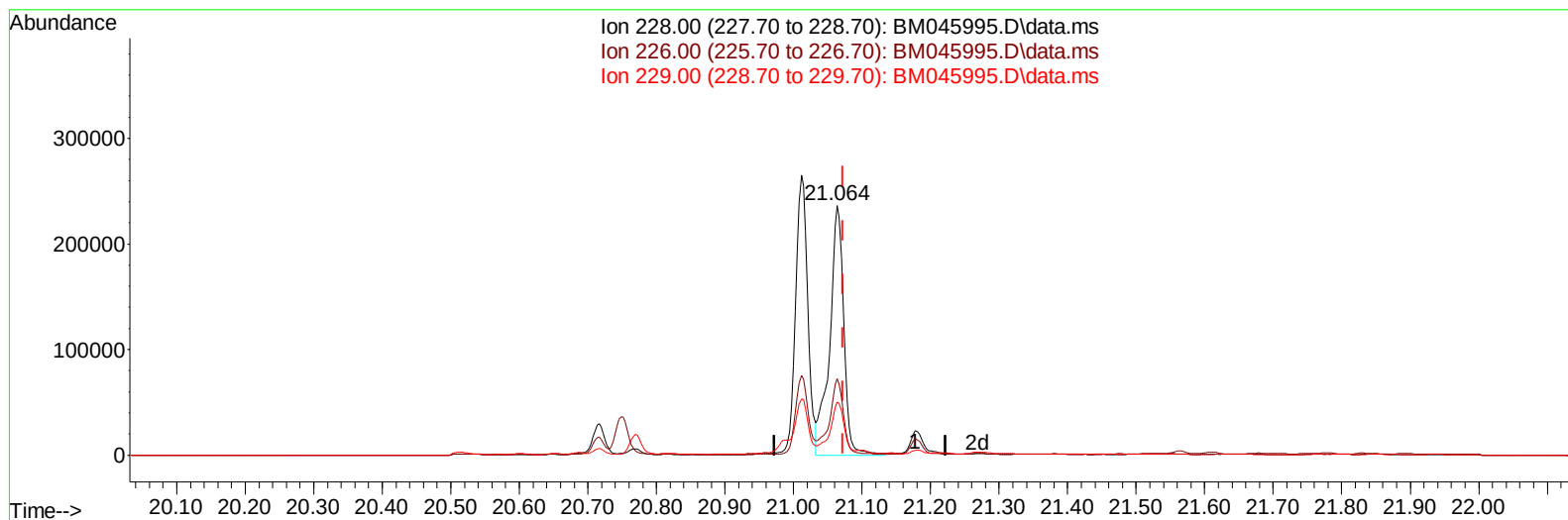
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045995.D
Acq On : 12 Jun 2024 13:05
Operator : MA/JU
Sample : P2642-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C18

Manual IntegrationsAPPROVED

Quant Time: Jun 13 00:07:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 00:05:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



TIC: BM045995.D\data.ms

(22) Chrysene

21.064min (-0.009) 6.67 ng/ul m

response 341503

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.60	30.67
229.00	20.20	21.31
0.00	0.00	0.00

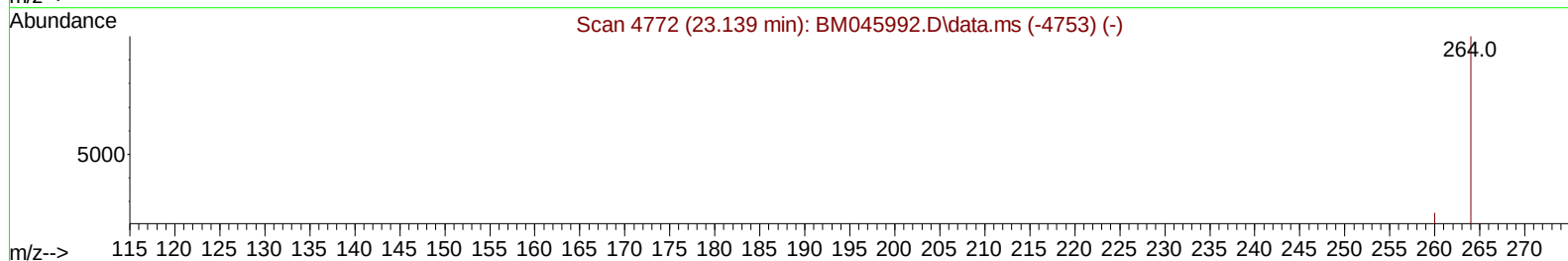
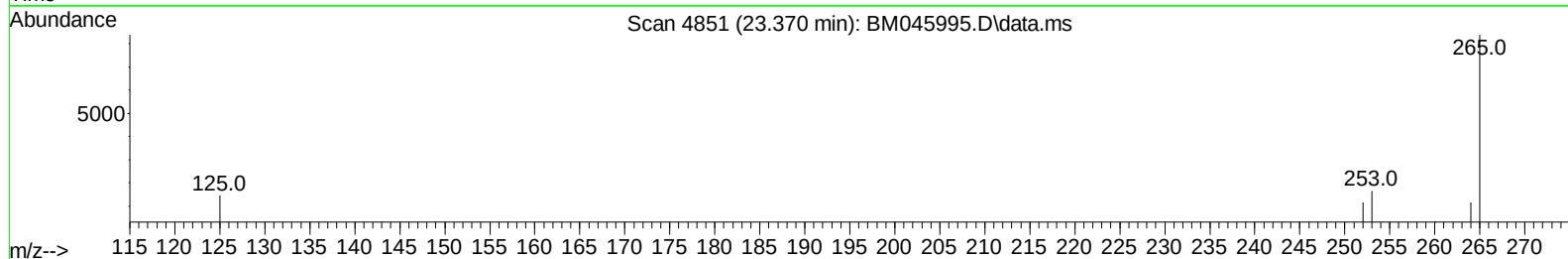
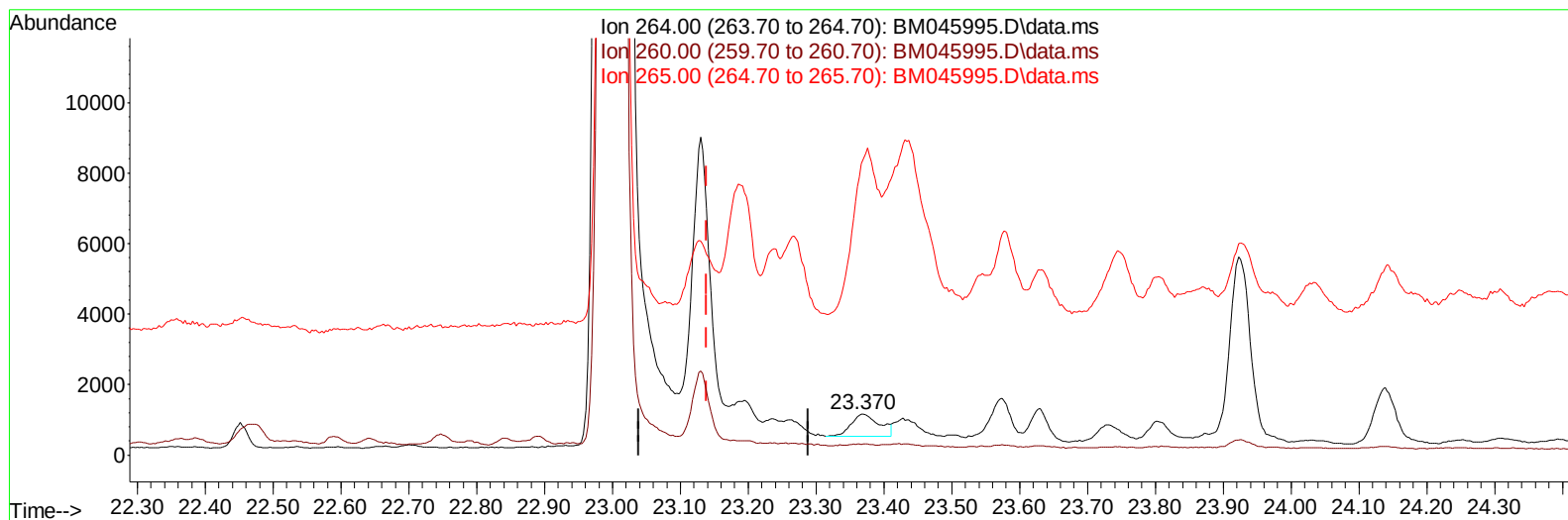
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045995.D
Acq On : 12 Jun 2024 13:05
Operator : MA/JU
Sample : P2642-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C18

Manual IntegrationsAPPROVED

Quant Time: Jun 13 00:07:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 00:05:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



TIC: BM045995.D\data.ms

(23) Perylene-d12 (I)

23.370min (+ 0.231) 0.40 ng/u1

response 1835

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	26.41
265.00	76.60	716.67#
0.00	0.00	0.00

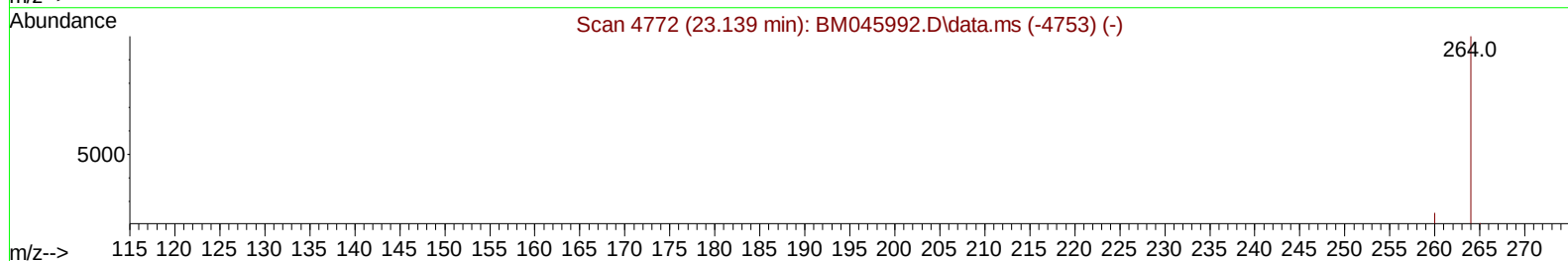
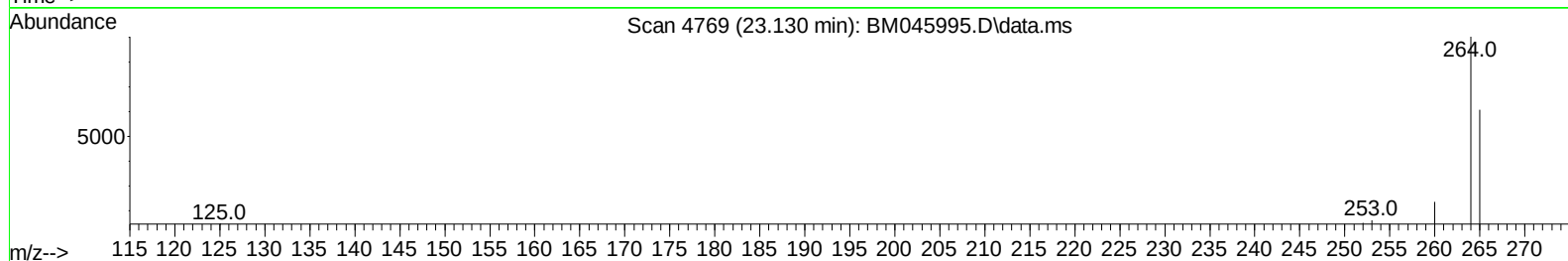
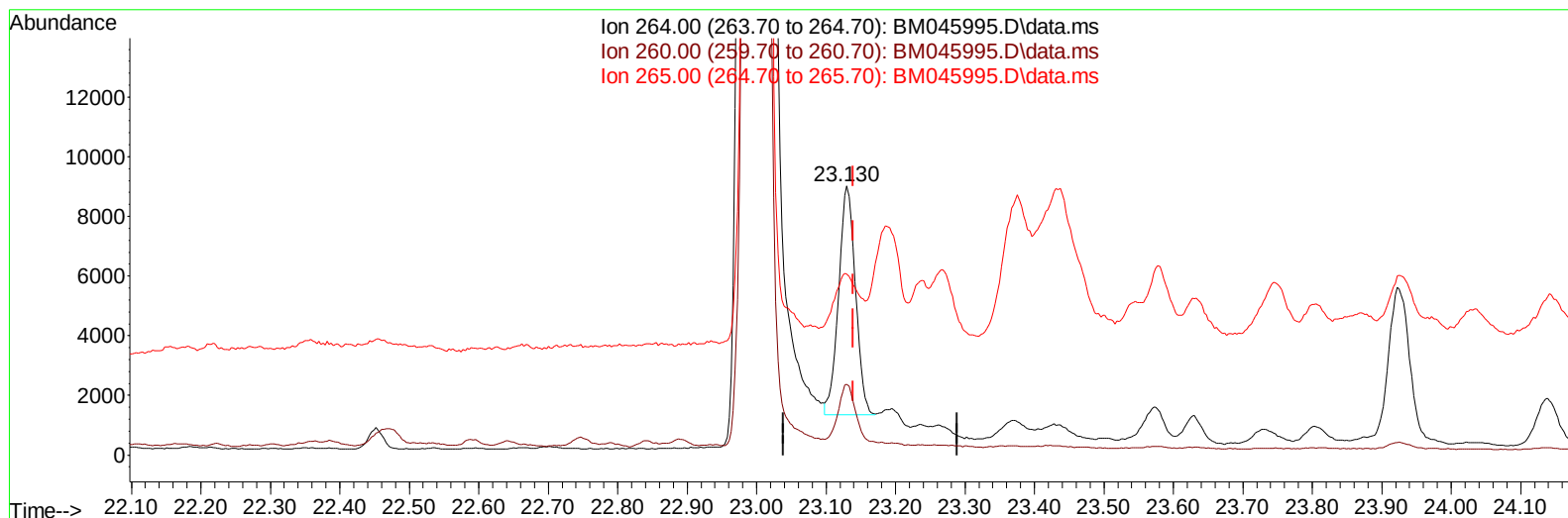
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
 Data File : BM045995.D
 Acq On : 12 Jun 2024 13:05
 Operator : MA/JU
 Sample : P2642-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C18

Manual IntegrationsAPPROVED

Quant Time: Jun 13 00:07:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 00:05:38 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/13/2024
 Supervised By :mohammad ahmed 06/15/2024



TIC: BM045995.D\data.ms

(23) Perylene-d12 (I)

23.130min (-0.009) 0.40 ng/ul m

response 12855

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	26.38
265.00	76.60	67.28
0.00	0.00	0.00

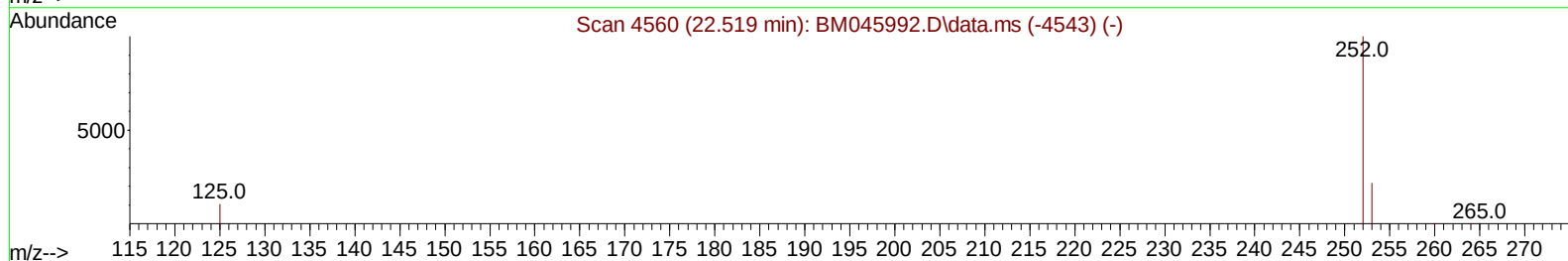
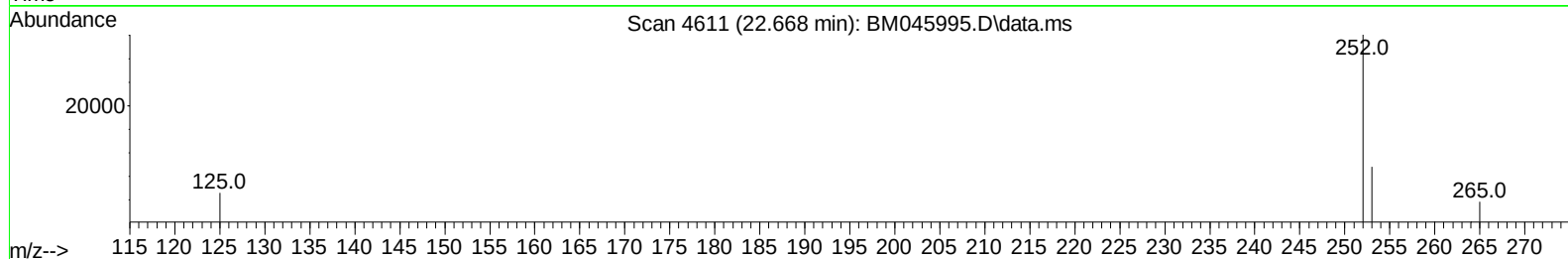
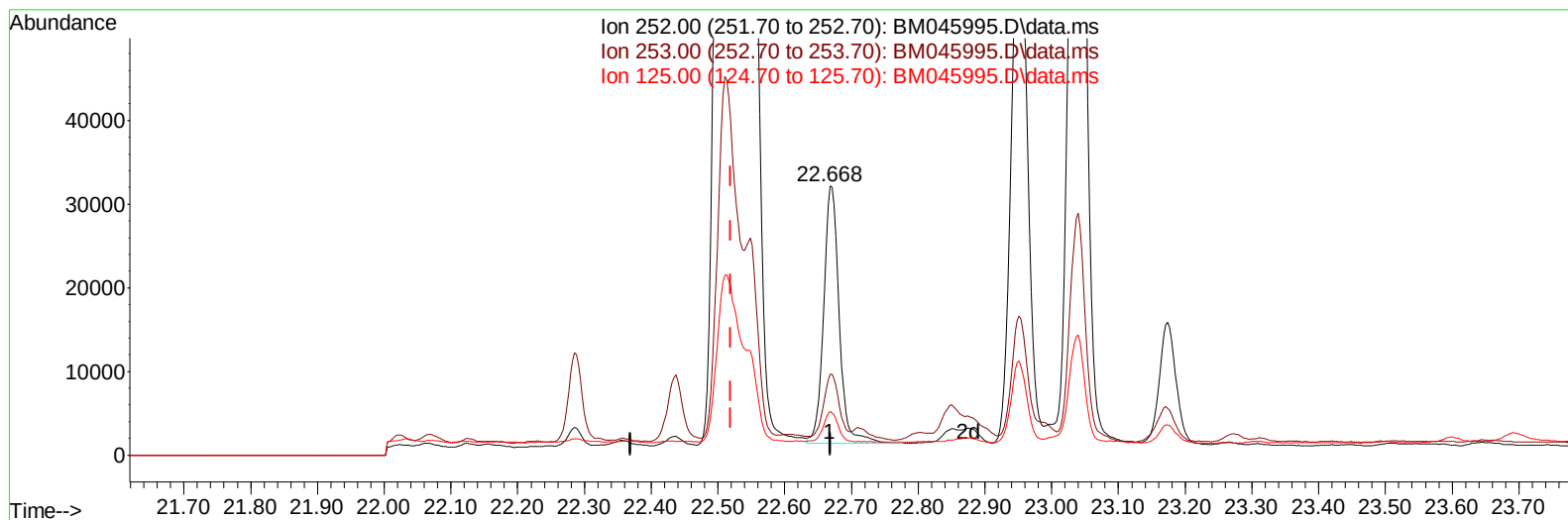
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045995.D
Acq On : 12 Jun 2024 13:05
Operator : MA/JU
Sample : P2642-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C18

Manual IntegrationsAPPROVED

Quant Time: Jun 13 00:07:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 00:05:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



TIC: BM045995.D\data.ms

(24) Benzo(b)fluoranthene

22.668min (+ 0.149) 1.18 ng/u1

response 50420

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	29.99
125.00	17.90	16.21
0.00	0.00	0.00

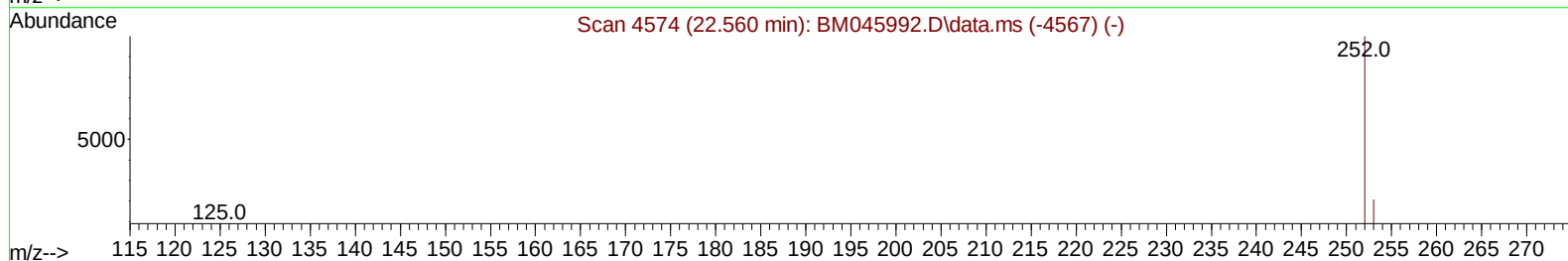
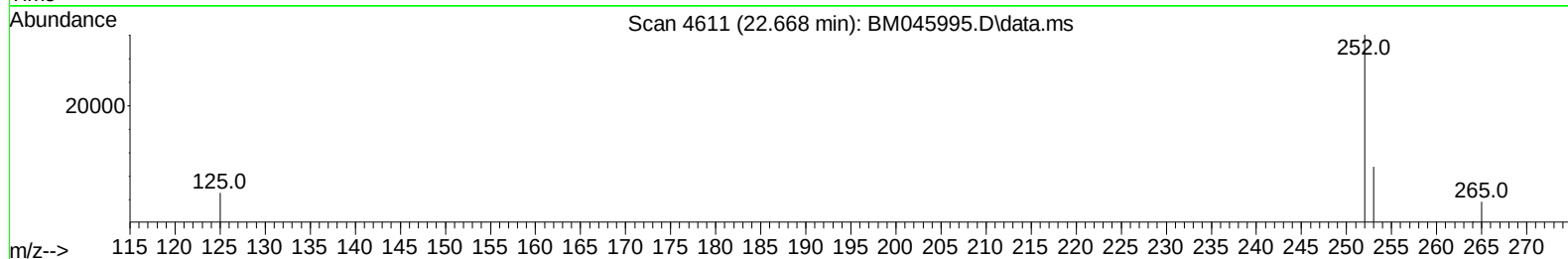
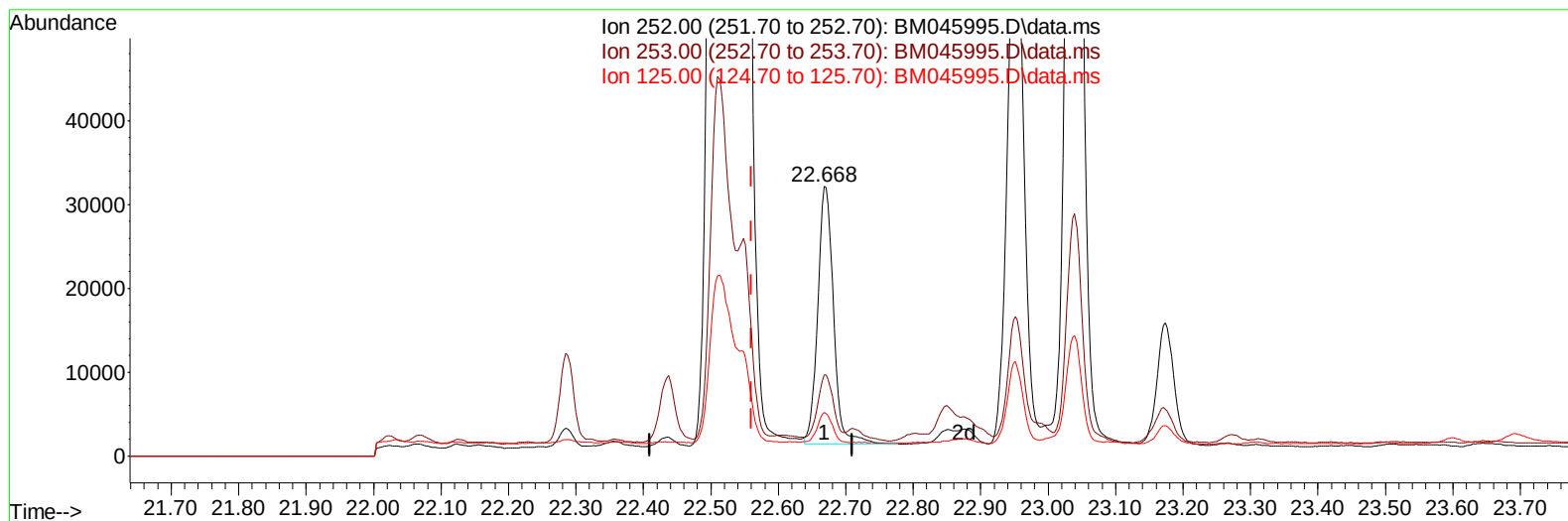
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045995.D
Acq On : 12 Jun 2024 13:05
Operator : MA/JU
Sample : P2642-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C18

Manual IntegrationsAPPROVED

Quant Time: Jun 13 00:07:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 00:05:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



TIC: BM045995.D\data.ms

(25) Benzo(k)fluoranthene

22.668min (+ 0.108) 1.07 ng/u1

response 50163

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	29.99
125.00	17.70	16.21
0.00	0.00	0.00

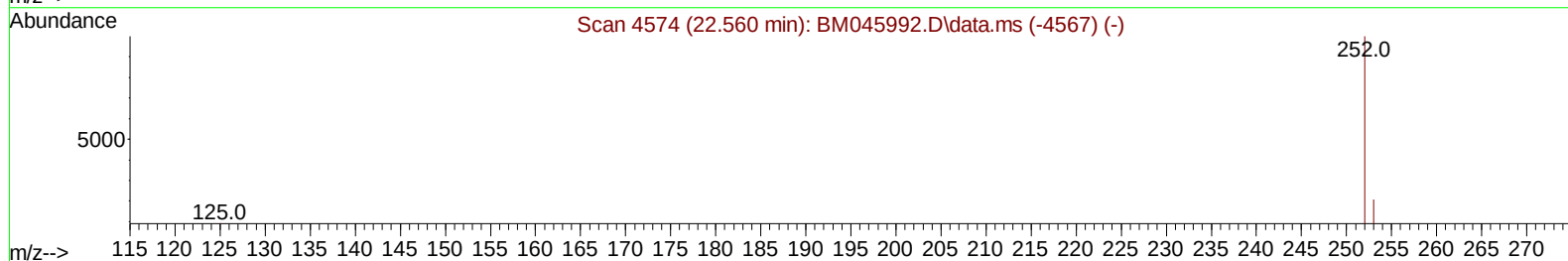
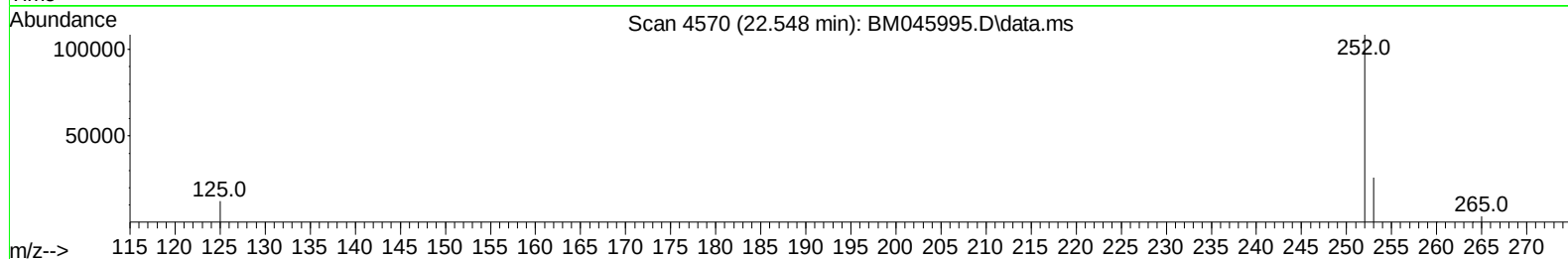
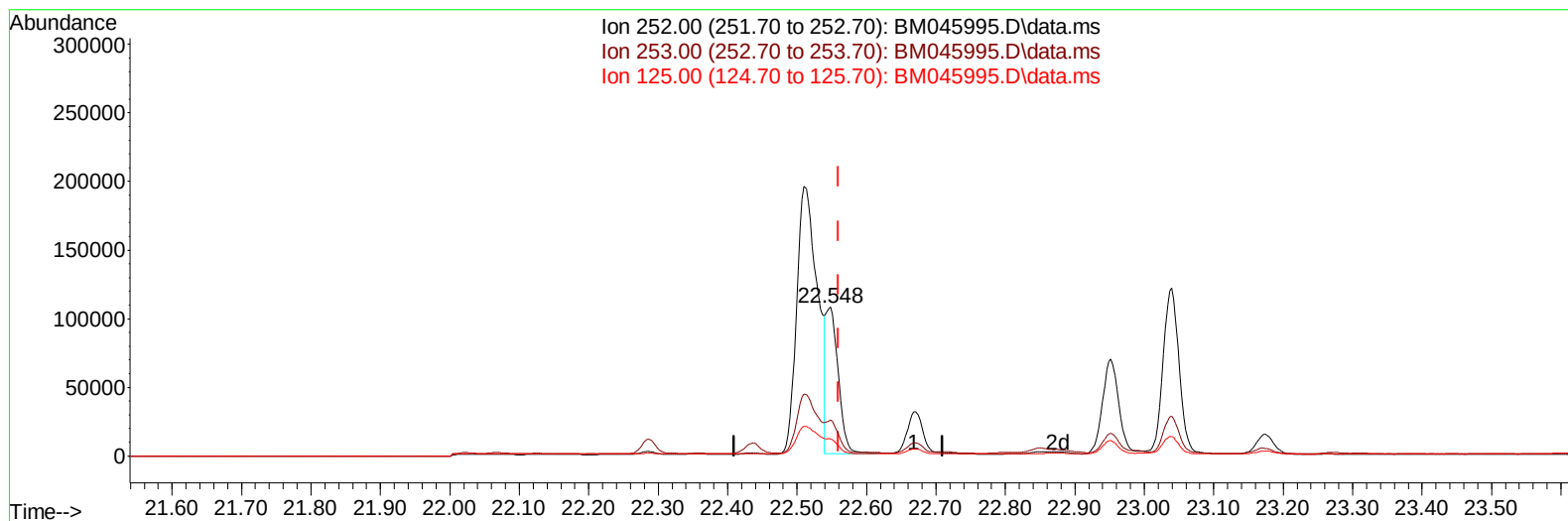
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045995.D
Acq On : 12 Jun 2024 13:05
Operator : MA/JU
Sample : P2642-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C18

Manual IntegrationsAPPROVED

Quant Time: Jun 13 00:07:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 00:05:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



TIC: BM045995.D\data.ms

(25) Benzo(k)fluoranthene

22.548min (-0.012) 2.79 ng/u l m

response 130796

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	23.98#
125.00	17.70	11.54#
0.00	0.00	0.00

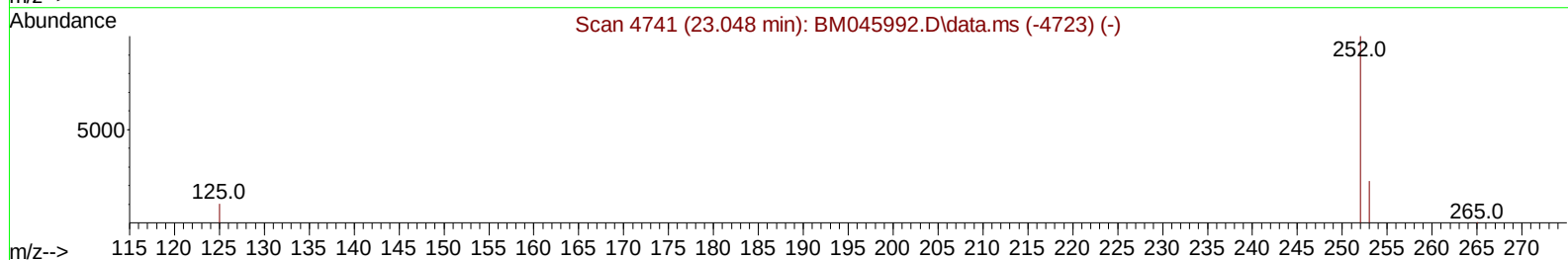
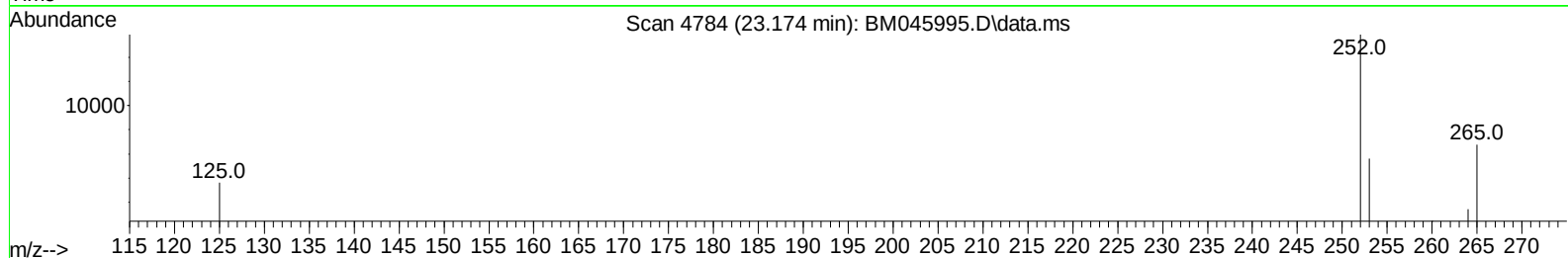
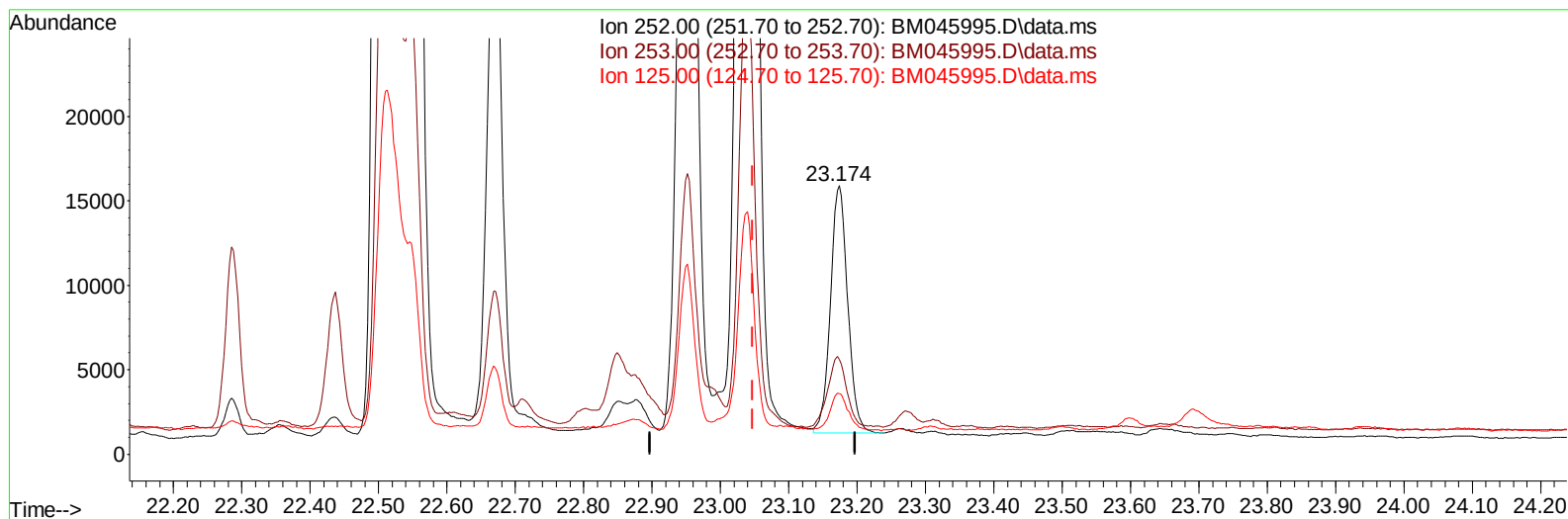
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045995.D
Acq On : 12 Jun 2024 13:05
Operator : MA/JU
Sample : P2642-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C18

Manual IntegrationsAPPROVED

Quant Time: Jun 13 00:07:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 00:05:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



TIC: BM045995.D\data.ms

(26) Benzo(a)pyrene (C)

23.174min (+ 0.126) 0.61 ng/u1

response 25740

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	36.00	35.26
125.00	21.60	22.65
0.00	0.00	0.00

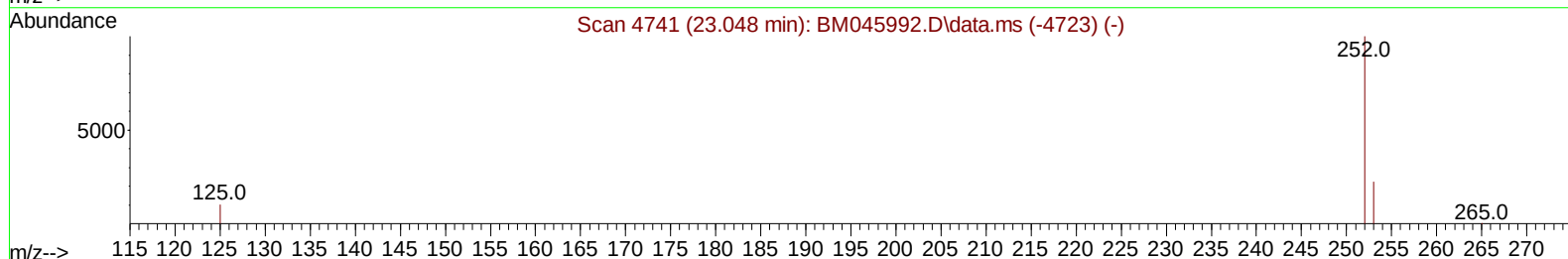
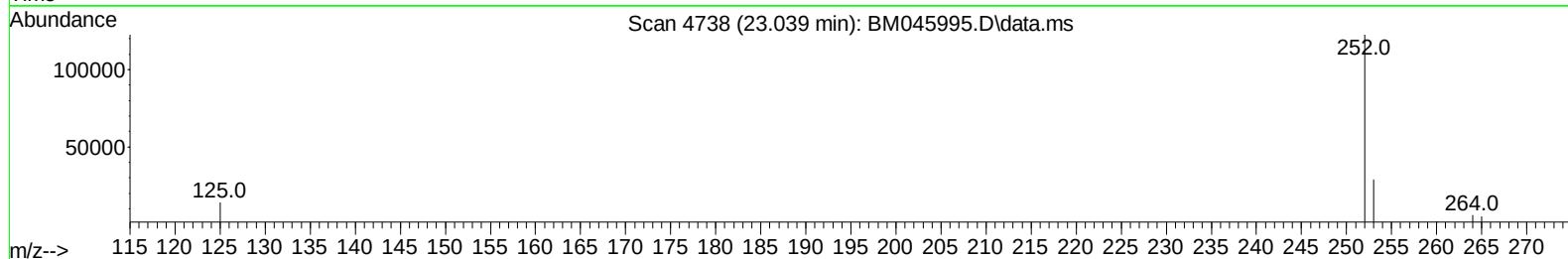
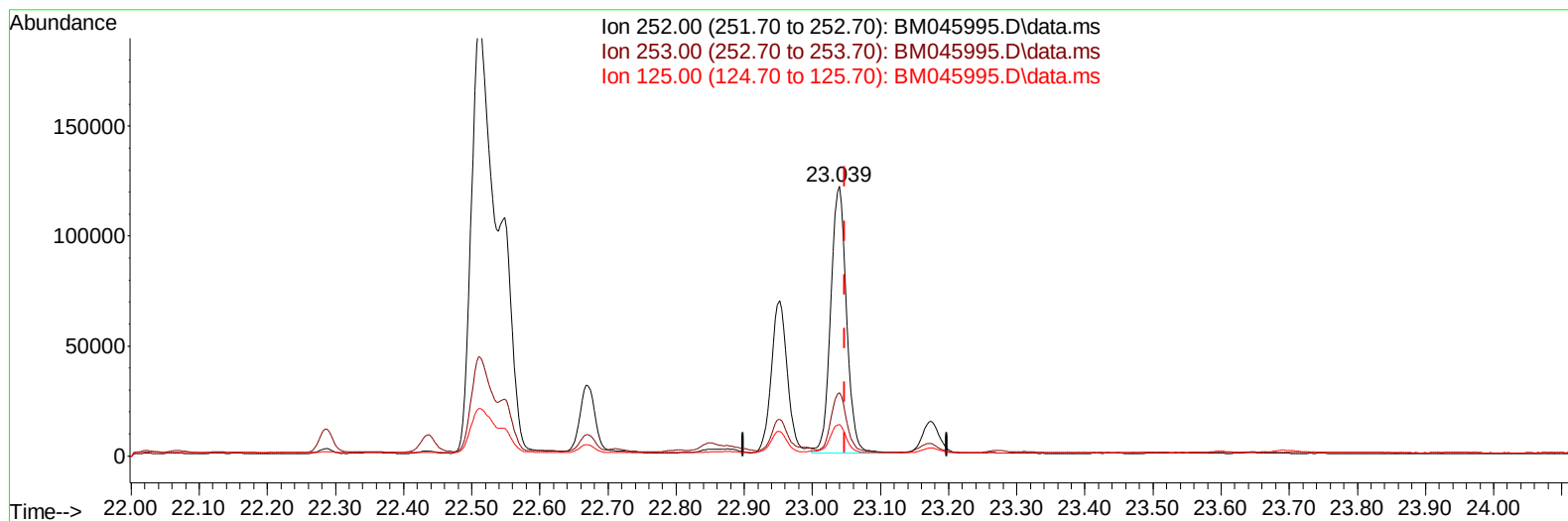
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045995.D
Acq On : 12 Jun 2024 13:05
Operator : MA/JU
Sample : P2642-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C18

Manual IntegrationsAPPROVED

Quant Time: Jun 13 00:07:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 00:05:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



TIC: BM045995.D\data.ms

(26) Benzo(a)pyrene (C)

23.039min (-0.009) 4.62 ng/ul m

response 196024

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	36.00	23.59#
125.00	21.60	11.73#
0.00	0.00	0.00

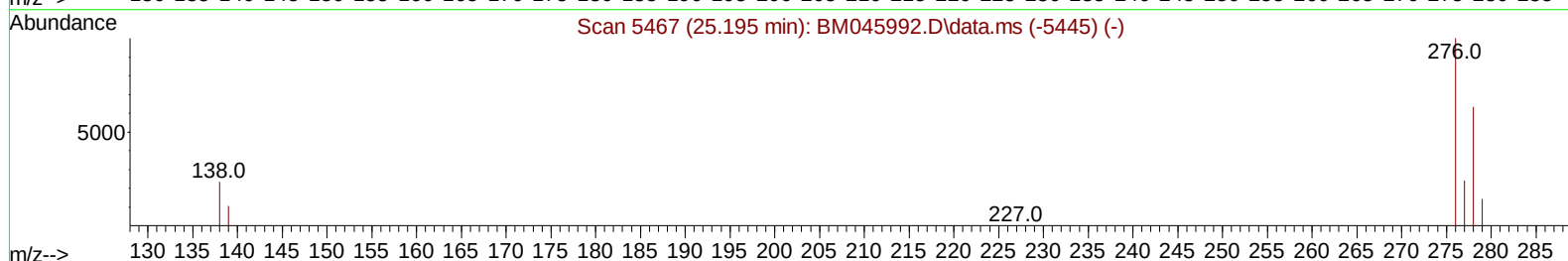
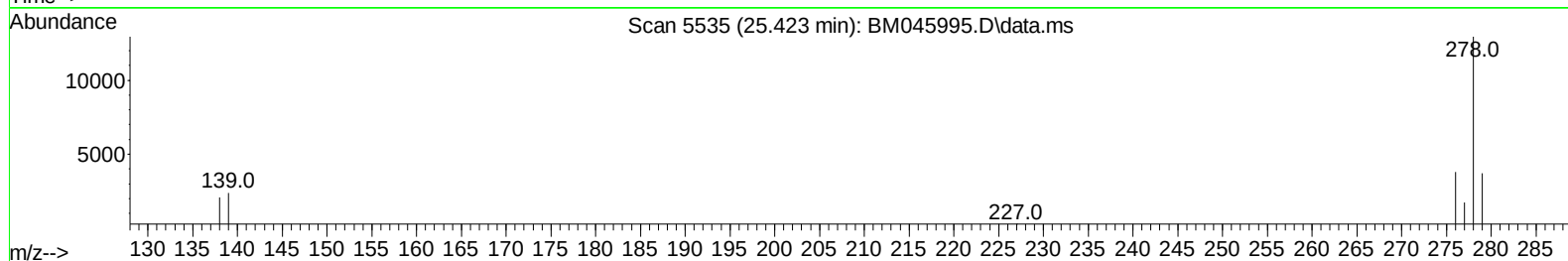
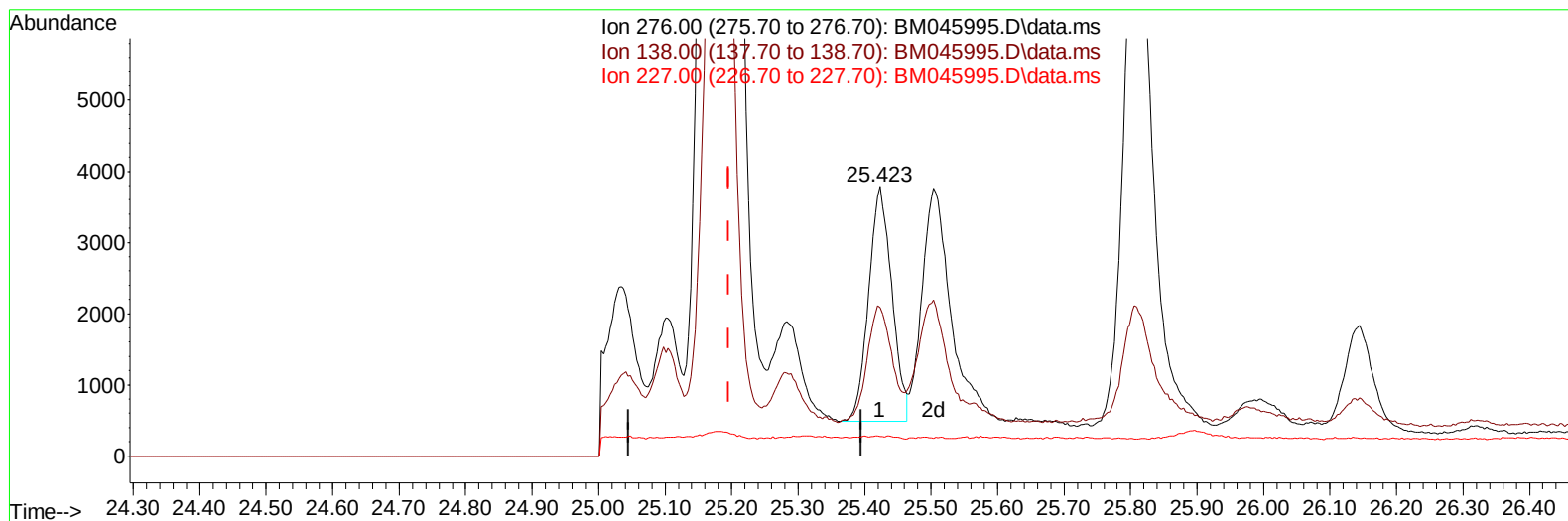
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
 Data File : BM045995.D
 Acq On : 12 Jun 2024 13:05
 Operator : MA/JU
 Sample : P2642-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C18

Manual IntegrationsAPPROVED

Quant Time: Jun 13 00:07:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 00:05:38 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/13/2024
 Supervised By :mohammad ahmed 06/15/2024



TIC: BM045995.D\data.ms

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

25.423min (+ 0.228) 0.14 ng/u1

response 7938

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	25.90	53.75#
227.00	0.20	0.42#
0.00	0.00	0.00

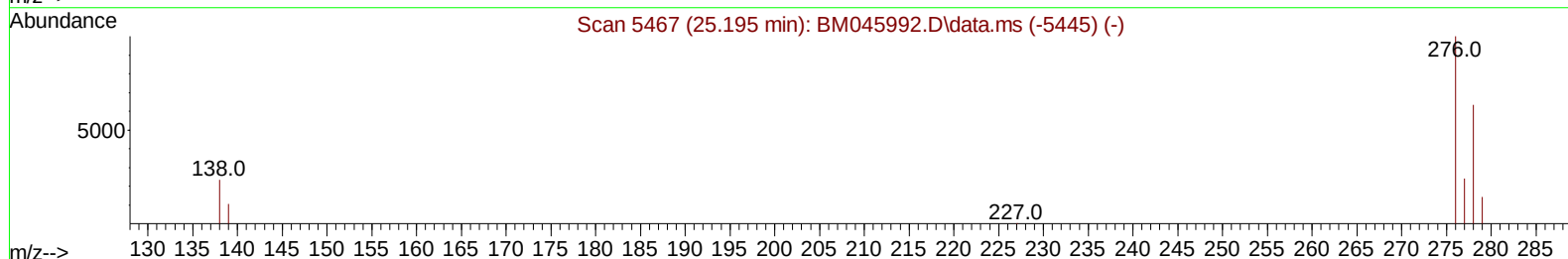
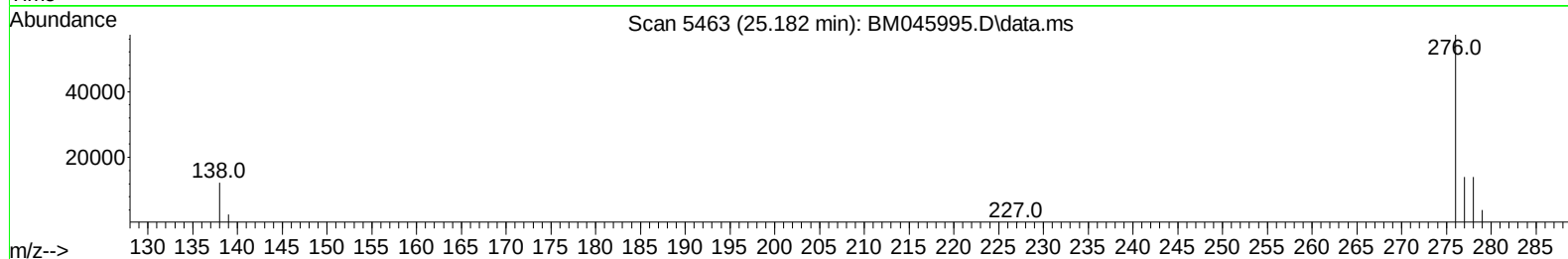
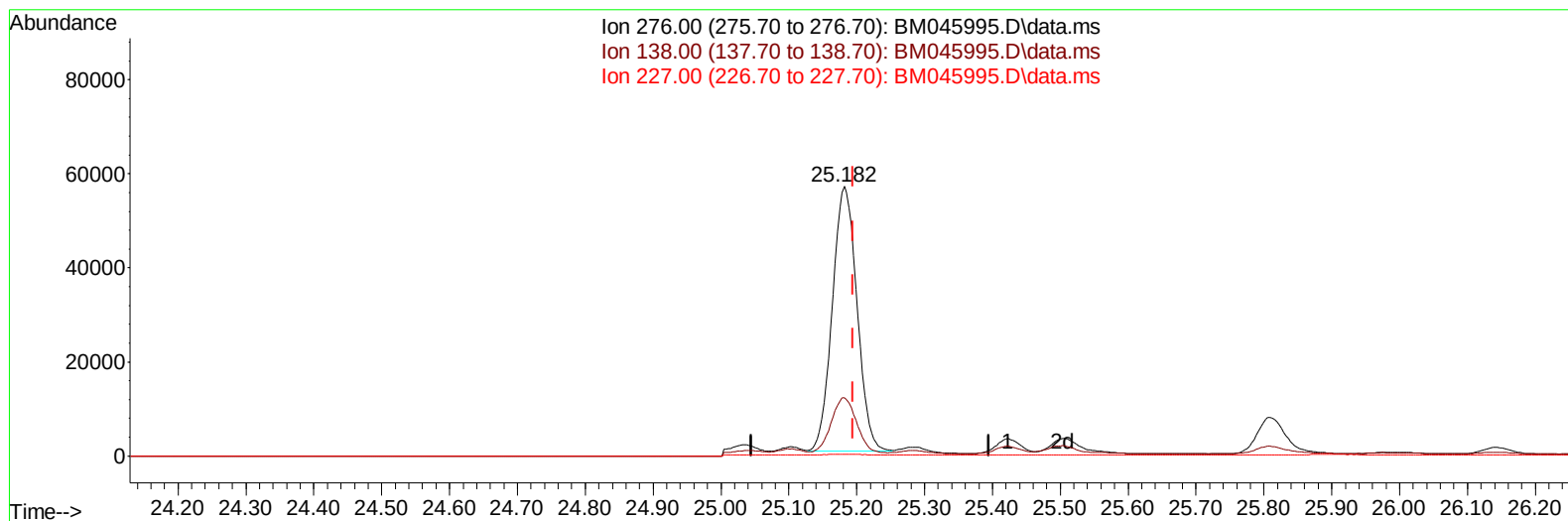
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
 Data File : BM045995.D
 Acq On : 12 Jun 2024 13:05
 Operator : MA/JU
 Sample : P2642-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C18

Manual IntegrationsAPPROVED

Quant Time: Jun 13 00:07:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 00:05:38 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/13/2024
 Supervised By :mohammad ahmed 06/15/2024



TIC: BM045995.D\data.ms

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

25.182min (-0.013) 2.58 ng/ul m

response 141288

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	25.90	3.02#
227.00	0.20	0.02#
0.00	0.00	0.00

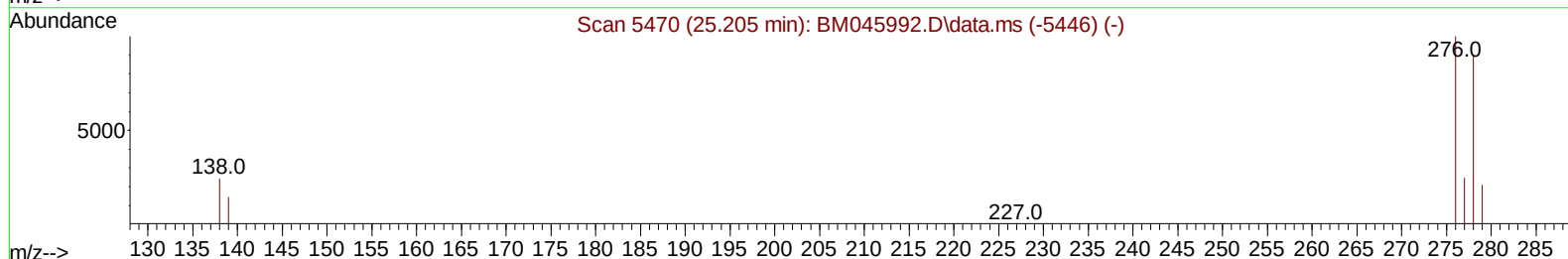
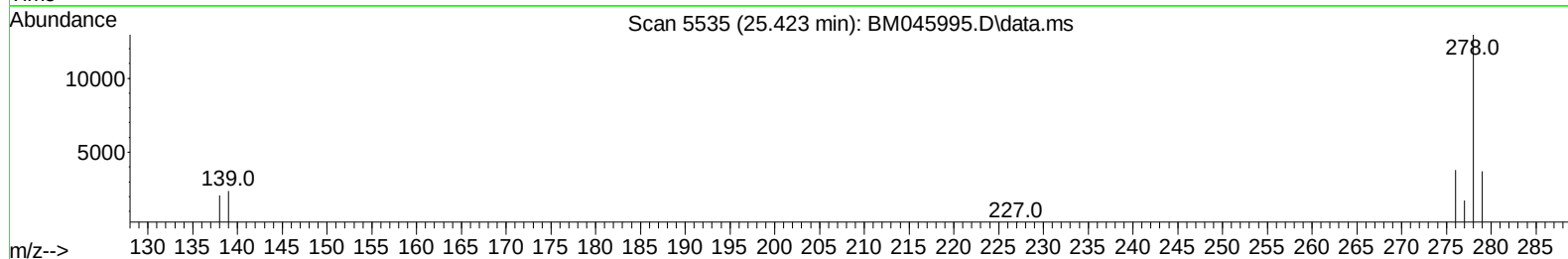
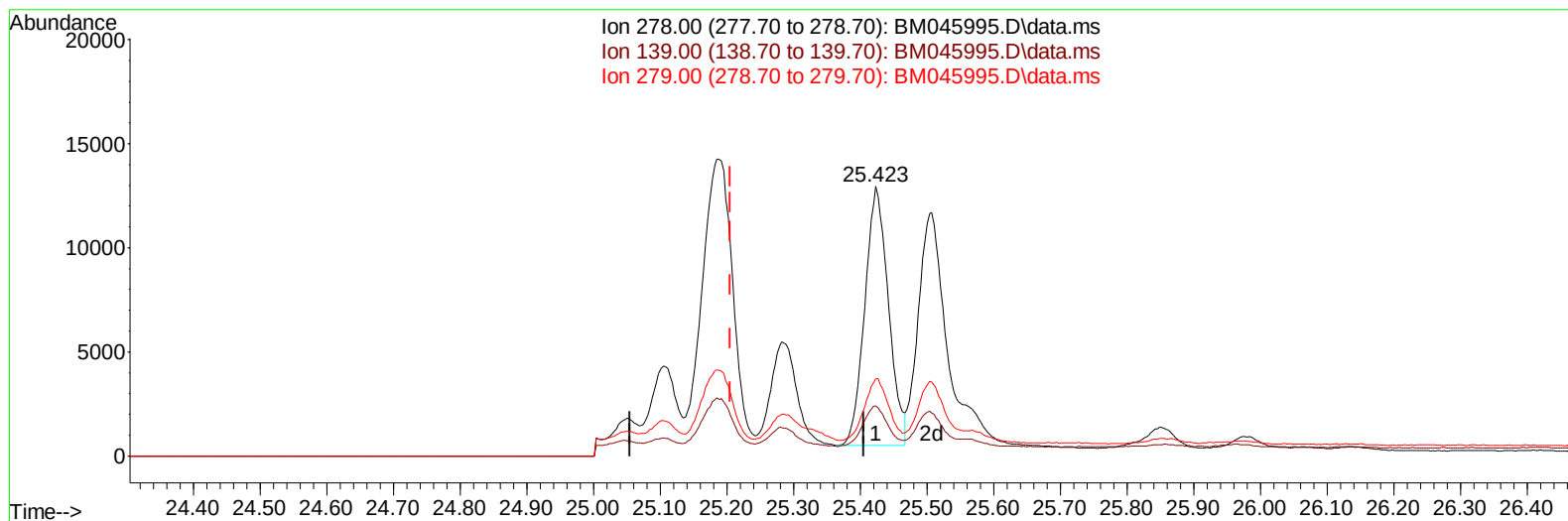
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045995.D
Acq On : 12 Jun 2024 13:05
Operator : MA/JU
Sample : P2642-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C18

Manual IntegrationsAPPROVED

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TIC: BM045995.D\data.ms

(28) Dibenzo(a,h)anthracene

25.423min (+ 0.218) 0.70 ng/u1

response 30697

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	20.80	18.42
279.00	30.80	28.78
0.00	0.00	0.00

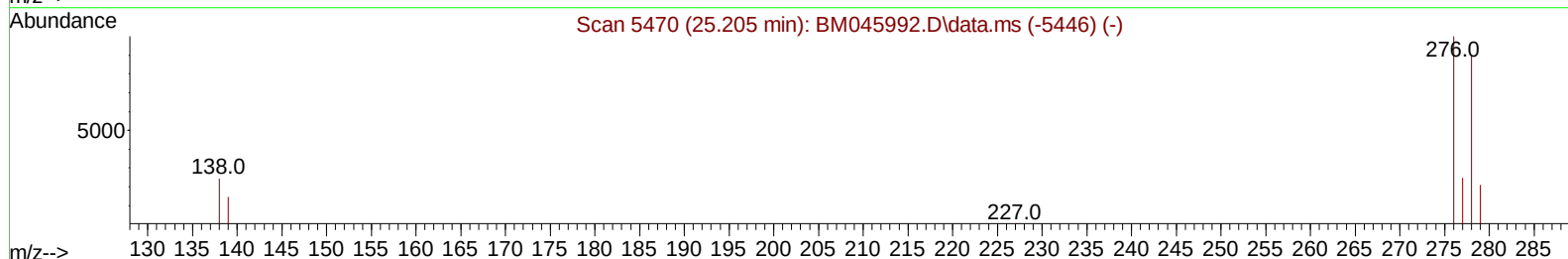
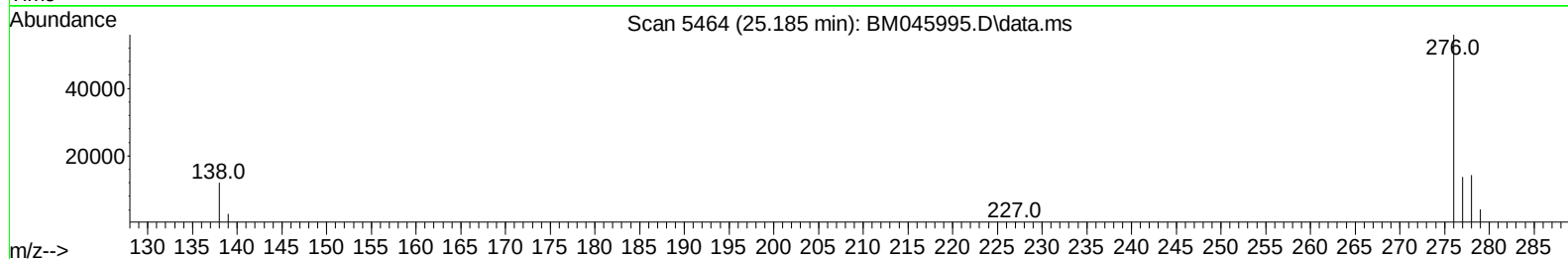
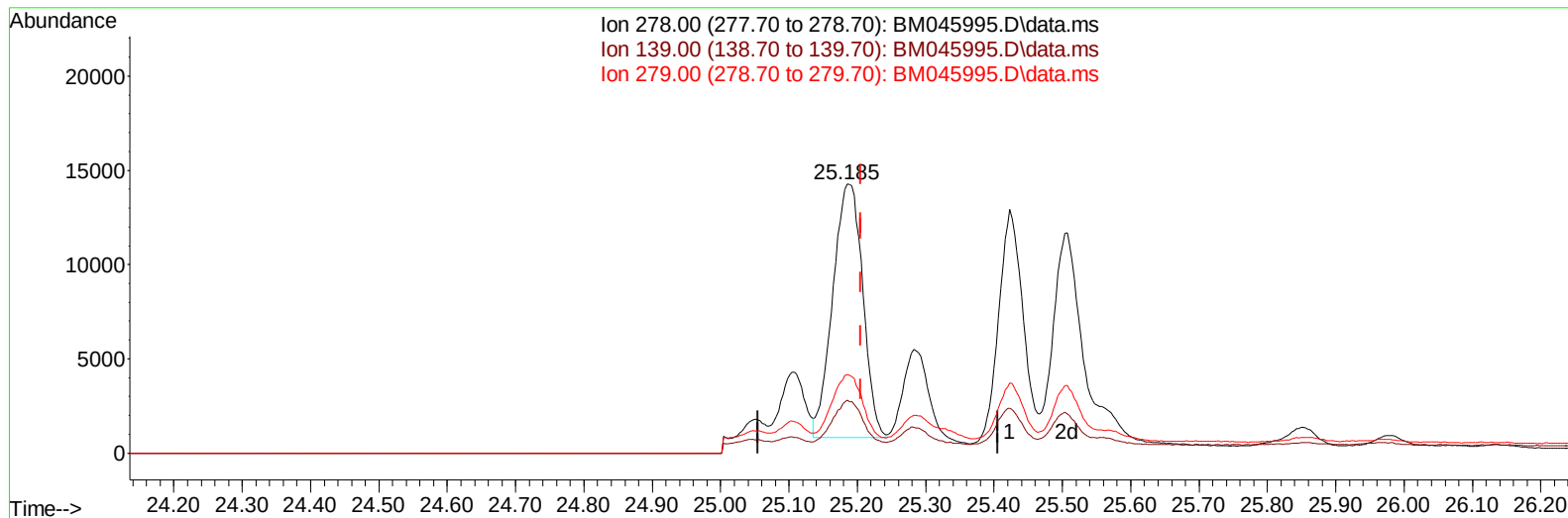
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045995.D
Acq On : 12 Jun 2024 13:05
Operator : MA/JU
Sample : P2642-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C18

Manual IntegrationsAPPROVED

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TIC: BM045995.D\data.ms

(28) Dibenzo(a,h)anthracene

25.185min (-0.020) 0.93 ng/ul m

response 40972

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	20.80	19.69
279.00	30.80	29.10
0.00	0.00	0.00

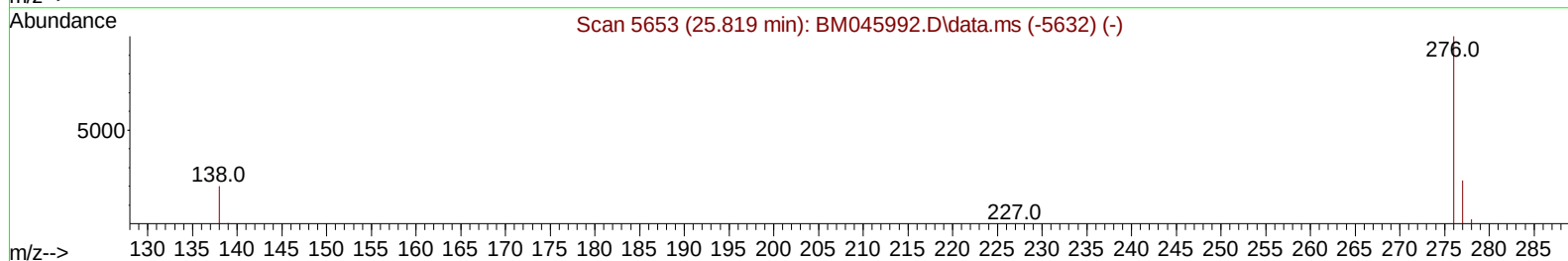
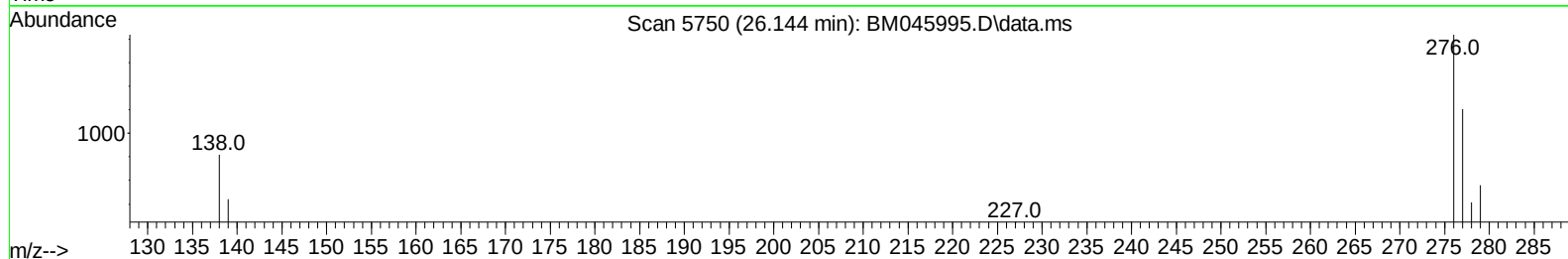
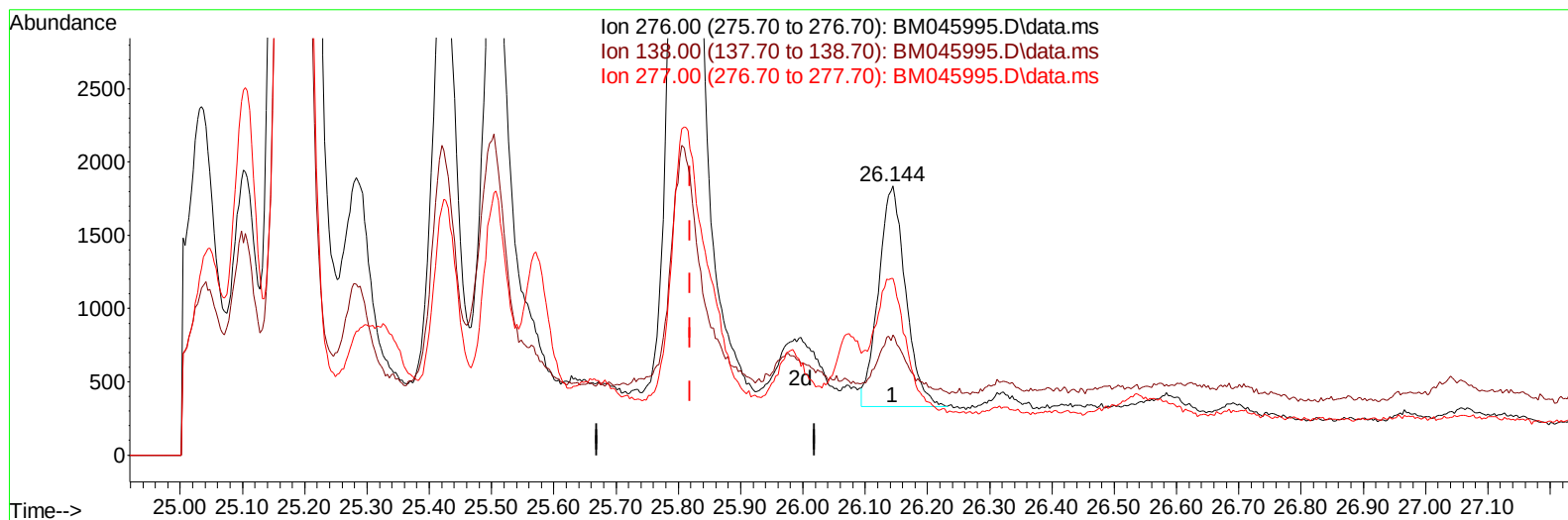
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045995.D
Acq On : 12 Jun 2024 13:05
Operator : MA/JU
Sample : P2642-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C18

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TIC: BM045995.D\data.ms

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

26.144min (+ 0.325) 0.10 ng/u1

response 4558

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	26.20	44.66#
277.00	25.60	65.58#
0.00	0.00	0.00

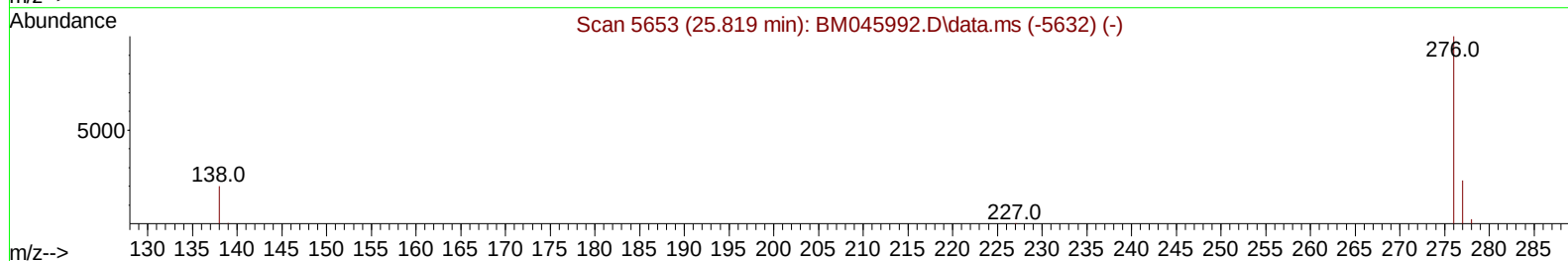
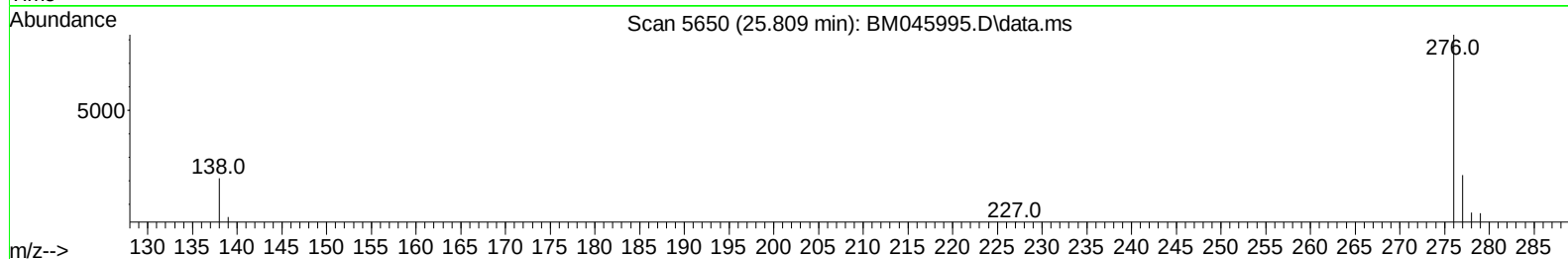
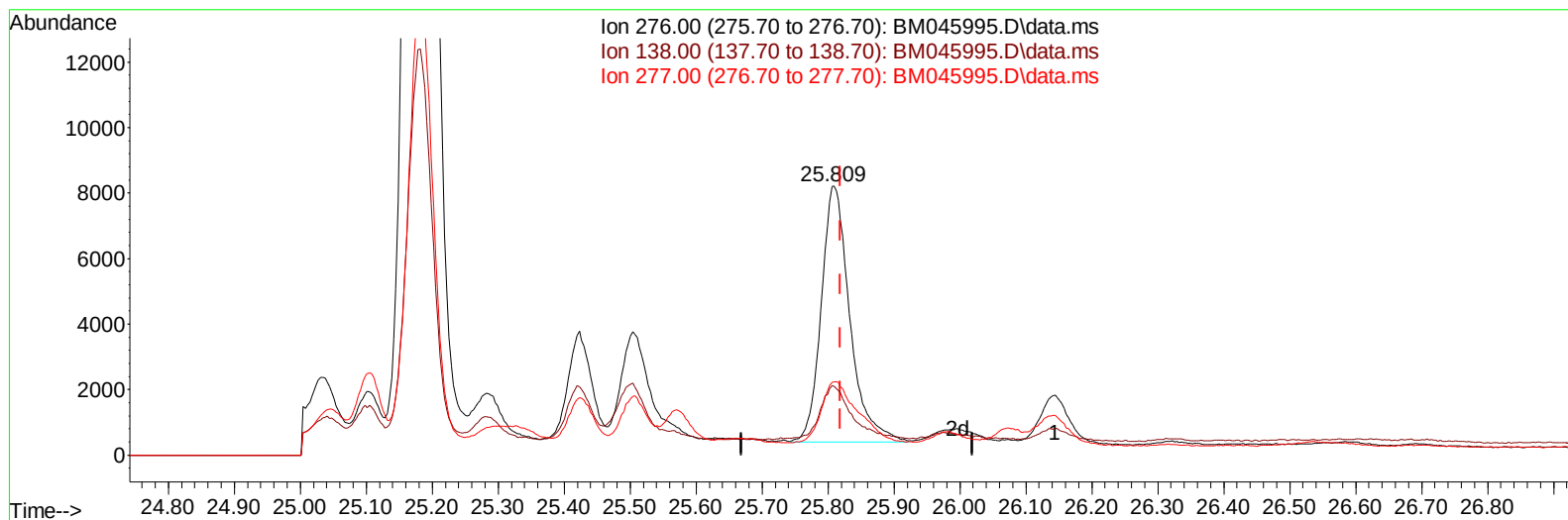
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045995.D
Acq On : 12 Jun 2024 13:05
Operator : MA/JU
Sample : P2642-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C18

Manual IntegrationsAPPROVED

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TIC: BM045995.D\data.ms

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

25.809min (-0.010) 0.50 ng/ul m

response 23668

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	26.20	25.54
277.00	25.60	27.26
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
 Data File : BM045995.D
 Acq On : 12 Jun 2024 13:05
 Operator : MA/JU
 Sample : P2642-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C18

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 06/13/2024
 Supervised By :mohammad ahmed 06/15/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.442	152	3135	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.211	136	11128	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.090	164	6724	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.829	188	15911m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.029	240	12817m	0.400	ng/ul	0.00
23) Perylene-d12	23.130	264	12855m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.042	96	18215	5.101	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.822	152	5198	0.325	ng/ul	-0.01
18) Fluoranthene-d10	18.863	212	14196m	0.370	ng/ul	-0.01
Target Compounds						
						Qvalue
5) Naphthalene	10.255	128	12732	0.438	ng/ul	99
7) 2-Methylnaphthalene	11.893	142	4551	0.245	ng/ul	99
8) 1-Methylnaphthalene	12.113	142	3939	0.195	ng/ul	98
10) Acenaphthylene	13.804	152	15909	0.520	ng/ul	99
11) Acenaphthene	14.150	153	17654	0.786	ng/ul	98
12) Fluorene	15.140	166	21191	0.844	ng/ul	99
14) Pentachlorophenol	16.516	266	237	0.080	ng/ul	98
15) Phenanthrene	16.871	178	432995m	9.693	ng/ul	
16) Anthracene	16.964	178	73567m	1.931	ng/ul	
19) Fluoranthene	18.895	202	752018m	14.714	ng/ul	
20) Pyrene	19.258	202	598500m	11.226	ng/ul	
21) Benzo(a)anthracene	21.011	228	327794m	6.967	ng/ul	
22) Chrysene	21.064	228	341503m	6.668	ng/ul	
24) Benzo(b)fluoranthene	22.510	252	411002m	9.639	ng/ul	
25) Benzo(k)fluoranthene	22.548	252	130796m	2.791	ng/ul	
26) Benzo(a)pyrene	23.039	252	196024m	4.623	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.182	276	141288m	2.577	ng/ul	
28) Dibenzo(a,h)anthracene	25.185	278	40972m	0.935	ng/ul	
29) Benzo(g,h,i)perylene	25.809	276	23668m	0.501	ng/ul	

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

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