

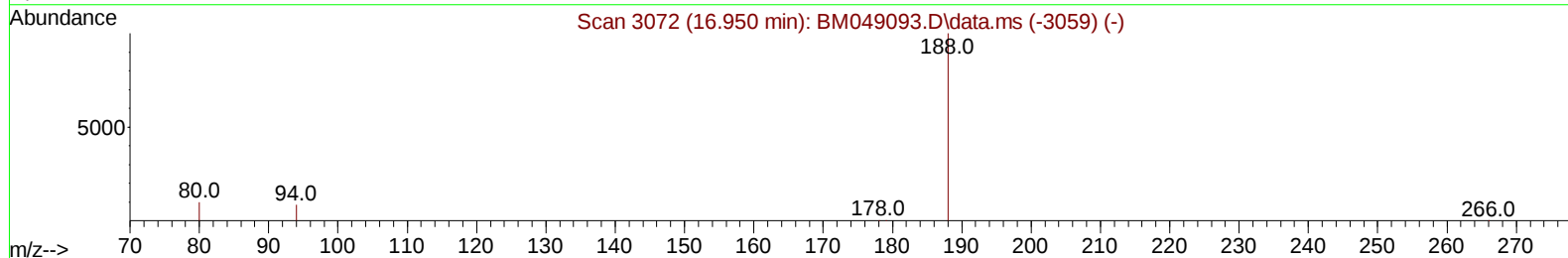
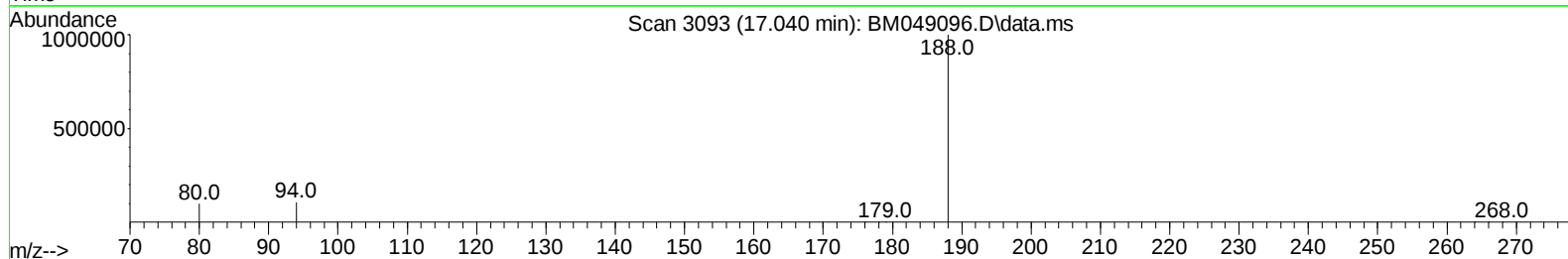
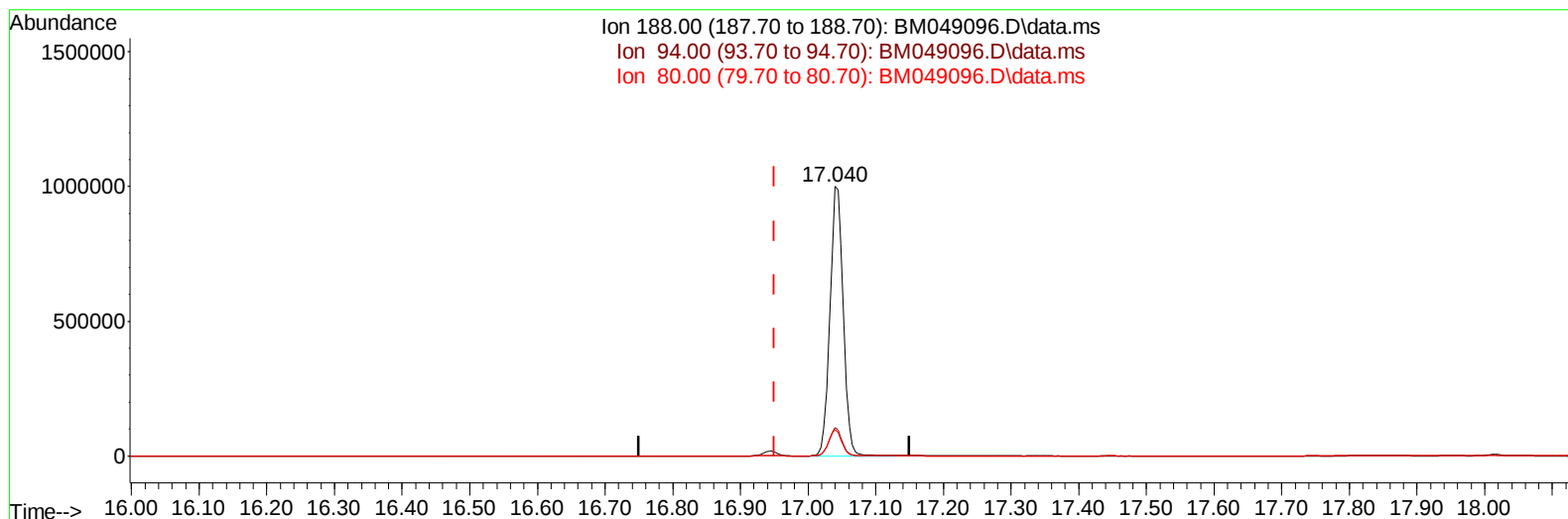
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049096.D
Acq On : 20 Dec 2024 12:03
Operator : RC/JU
Sample : P5265-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 12:32:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BM049096.D\data.ms

(13) Phenanthrene-d10 (I)

17.040min (+ 0.090) 0.40 ng/u1

response 1355566

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	10.46
80.00	10.70	9.70
0.00	0.00	0.00

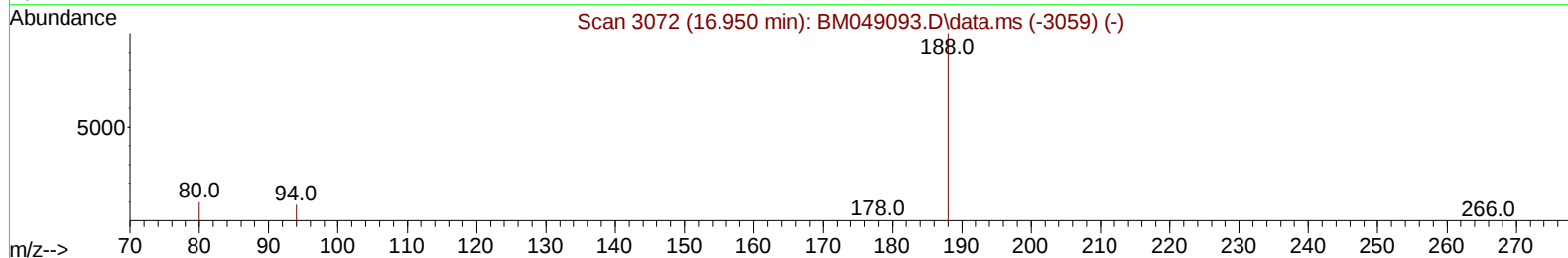
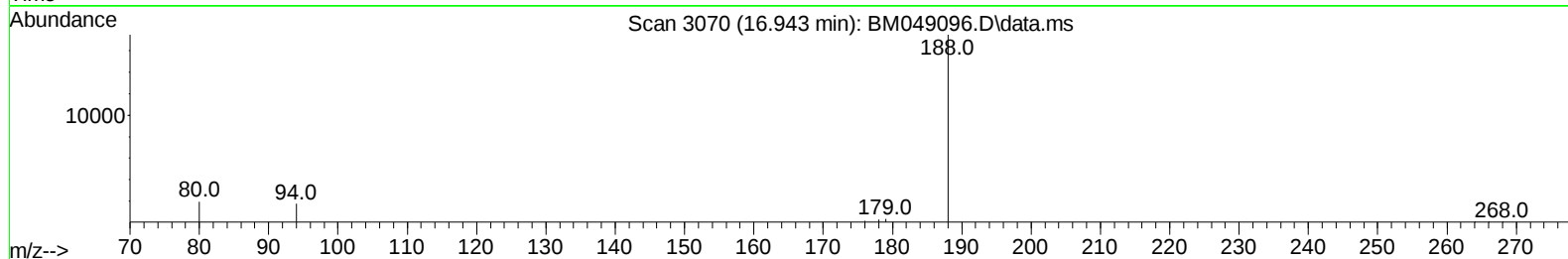
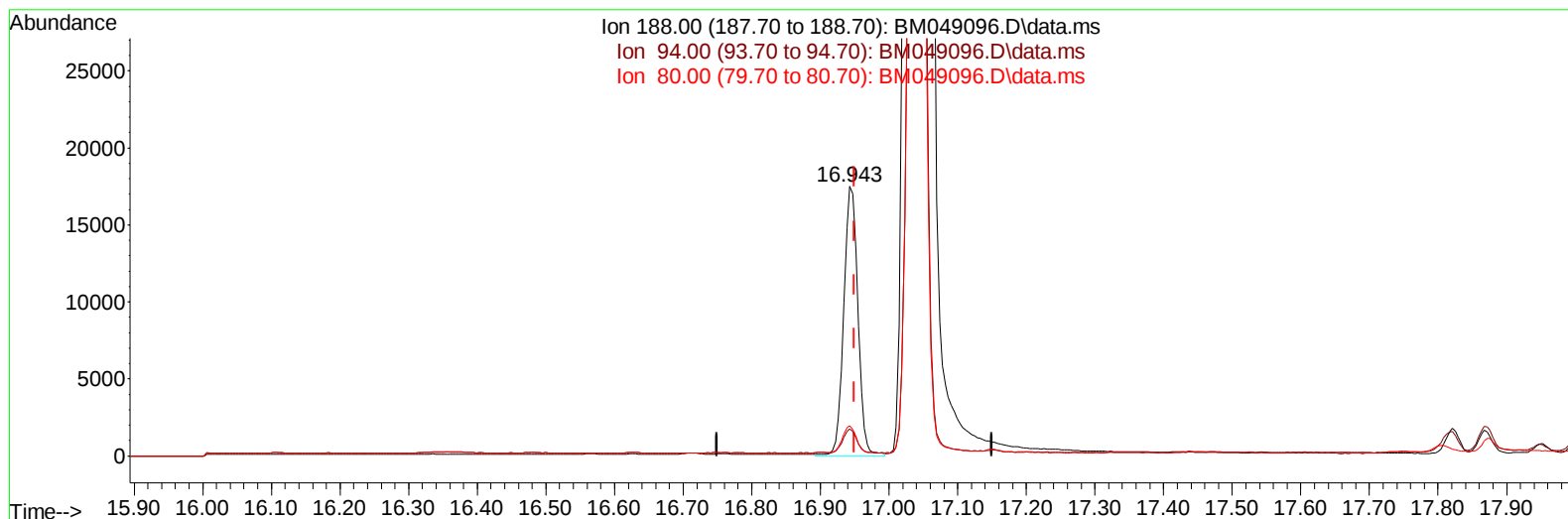
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049096.D
Acq On : 20 Dec 2024 12:03
Operator : RC/JU
Sample : P5265-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 12:32:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BM049096.D\data.ms

(13) Phenanthrene-d10 (I)

16.943min (-0.007) 0.40 ng/ul m

response 25026

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	10.08
80.00	10.70	11.21
0.00	0.00	0.00

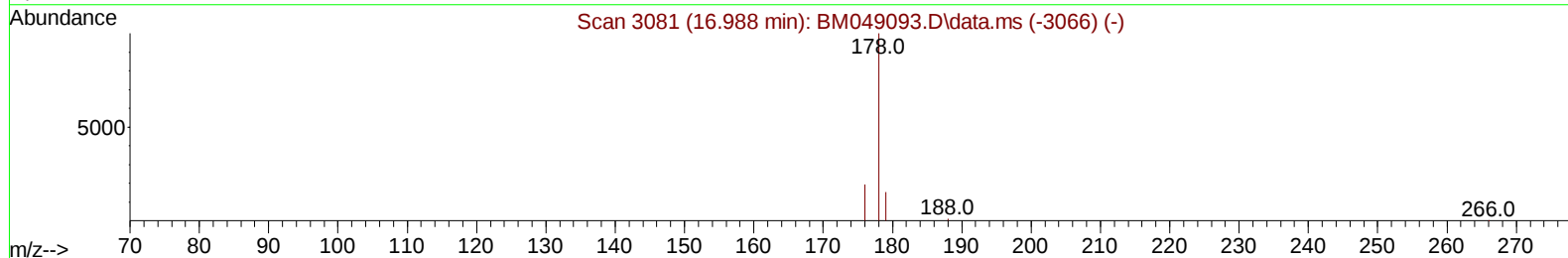
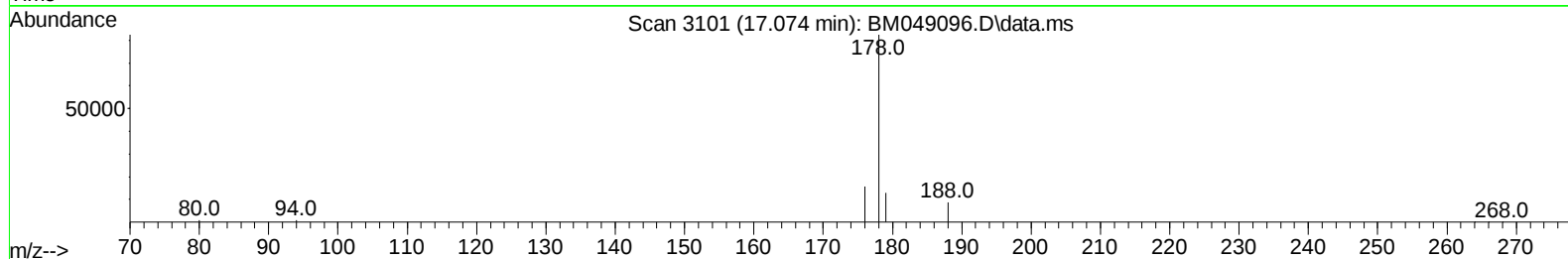
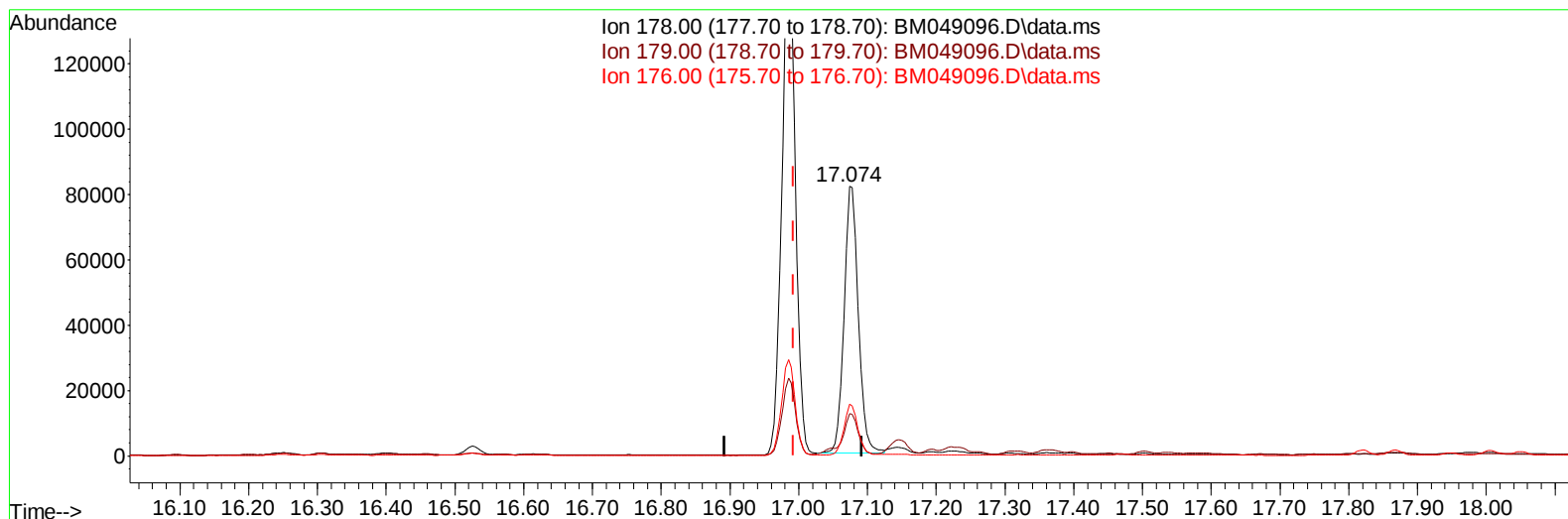
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049096.D
Acq On : 20 Dec 2024 12:03
Operator : RC/JU
Sample : P5265-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 12:32:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BM049096.D\data.ms

(15) Phenanthrene

17.074min (+ 0.082) 1.80 ng/u1

response 117748

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	15.61
176.00	20.20	19.18
0.00	0.00	0.00

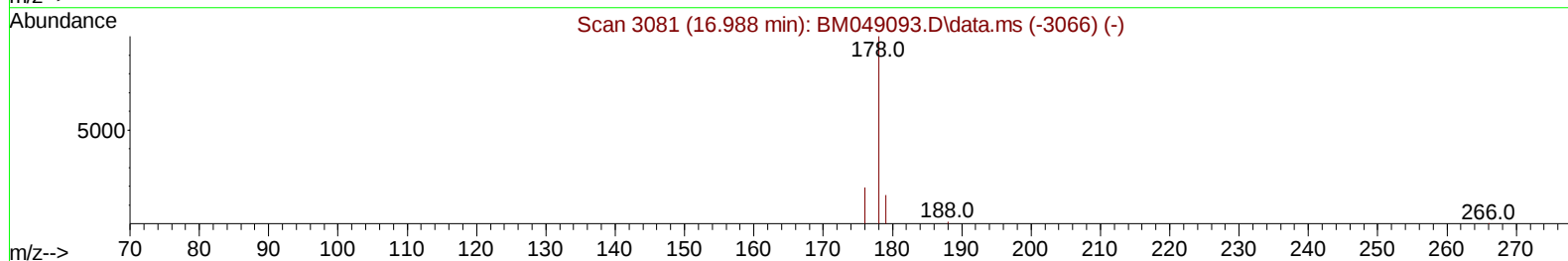
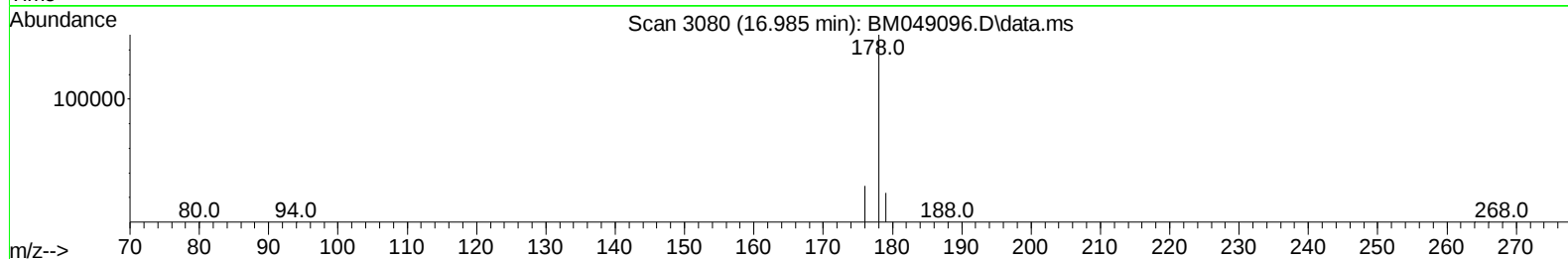
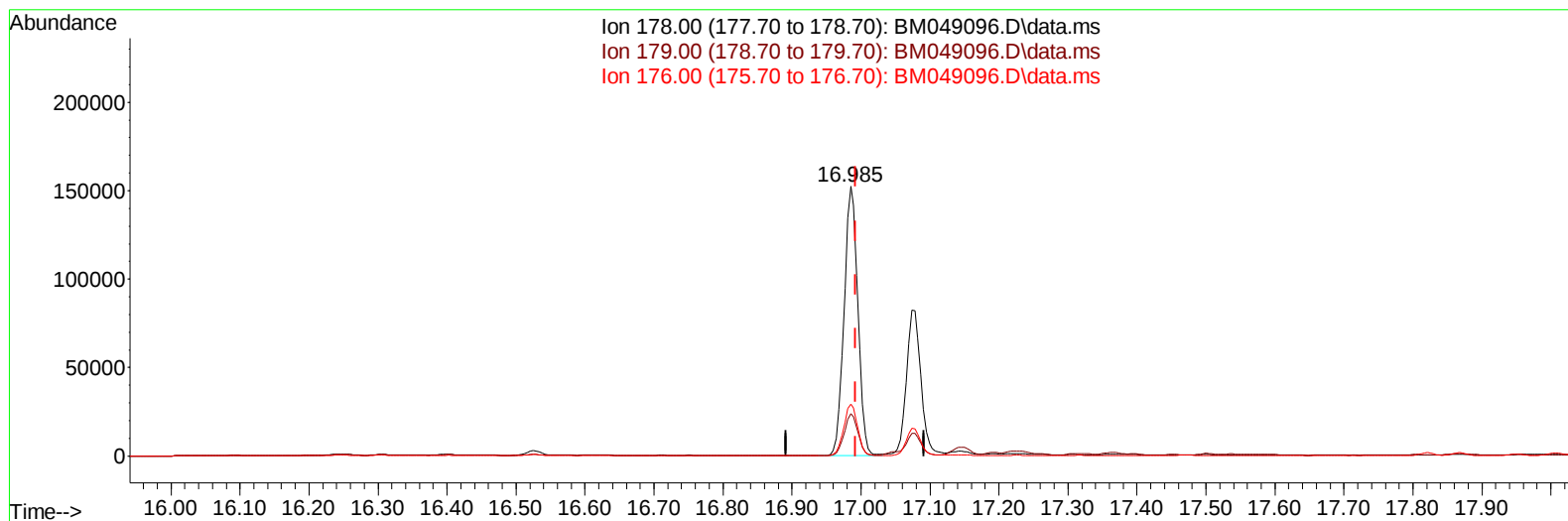
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049096.D
Acq On : 20 Dec 2024 12:03
Operator : RC/JU
Sample : P5265-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 12:32:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BM049096.D\data.ms

(15) Phenanthrene

16.985min (-0.007) 3.22 ng/u1 m

response 210568

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	15.63
176.00	20.20	19.36
0.00	0.00	0.00

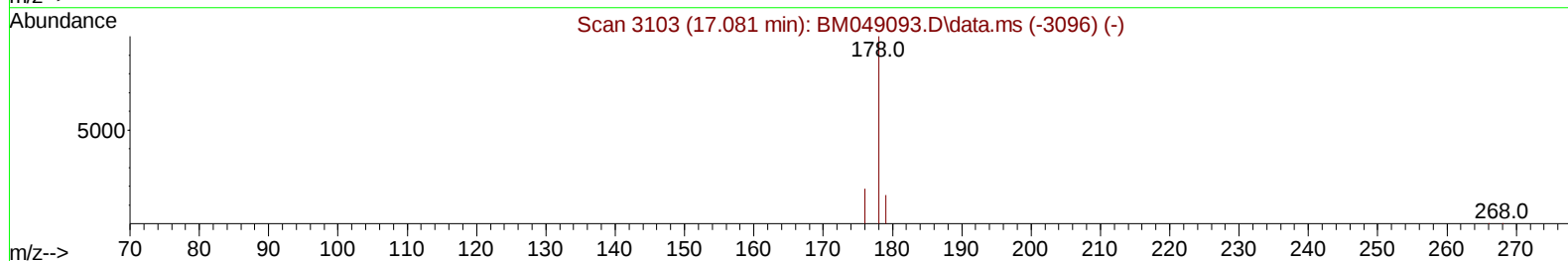
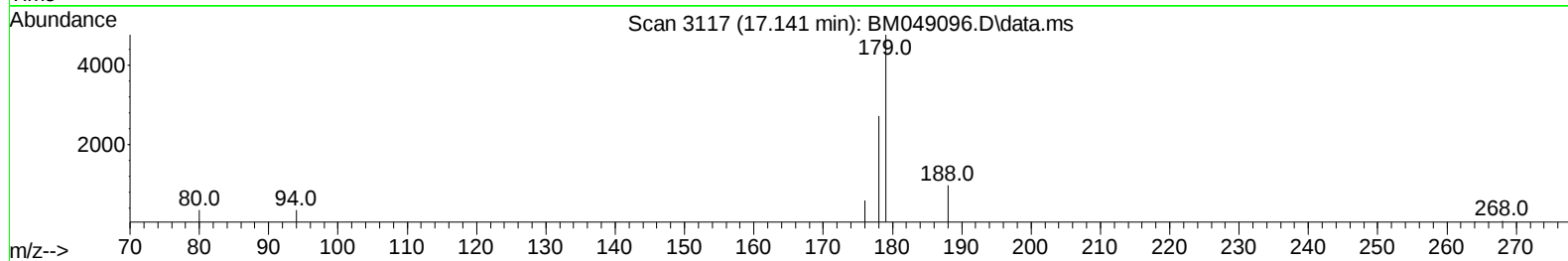
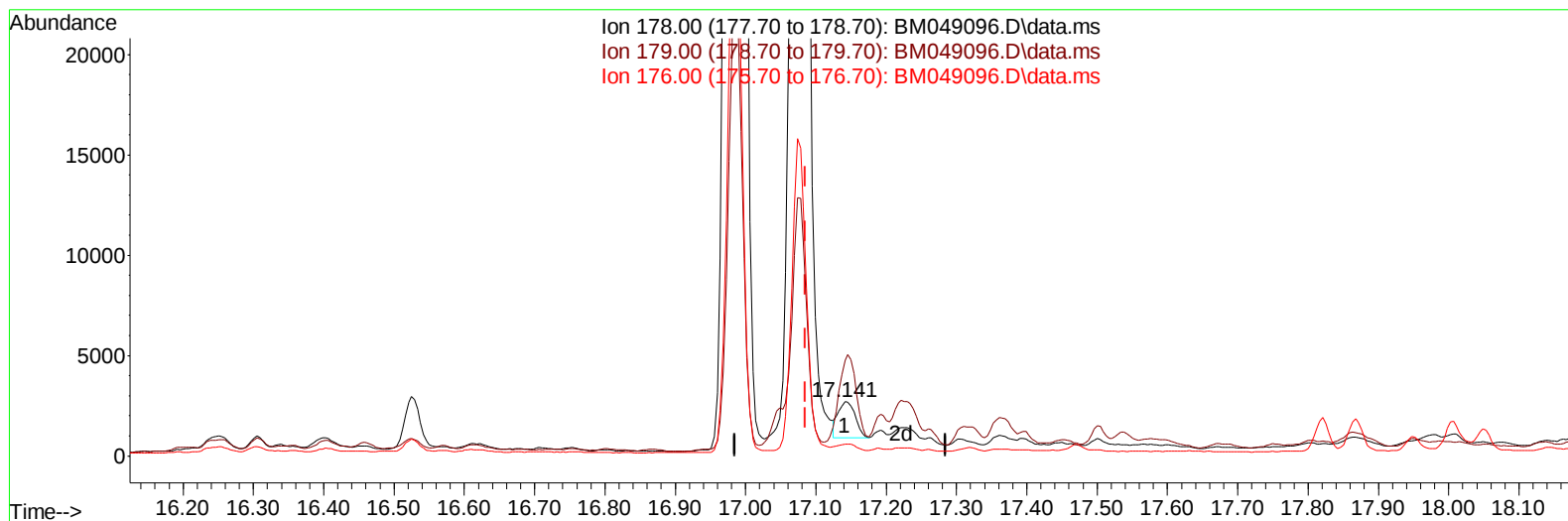
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049096.D
Acq On : 20 Dec 2024 12:03
Operator : RC/JU
Sample : P5265-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 12:32:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BM049096.D\data.ms

(16) Anthracene

17.141min (+ 0.056) 0.05 ng/u1

response 3004

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	175.41#
176.00	19.10	22.23
0.00	0.00	0.00

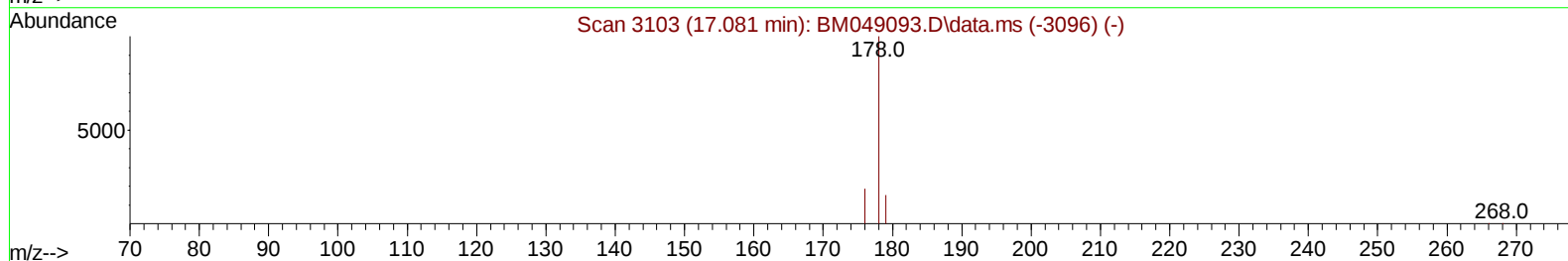
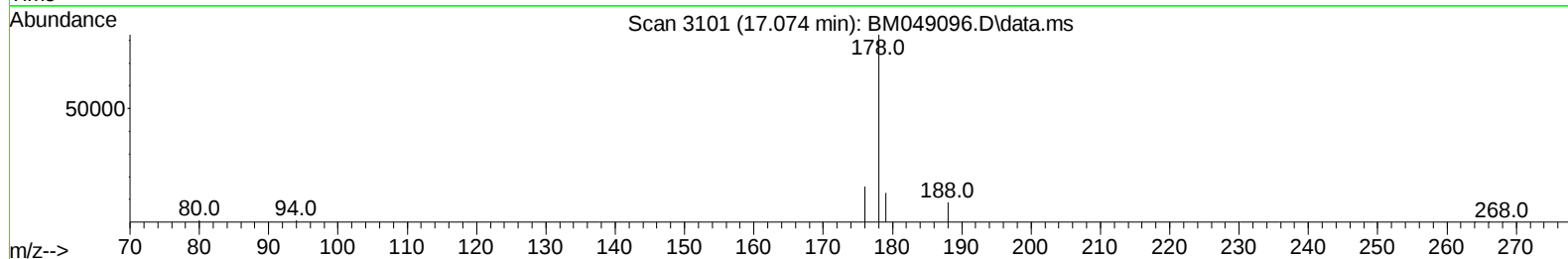
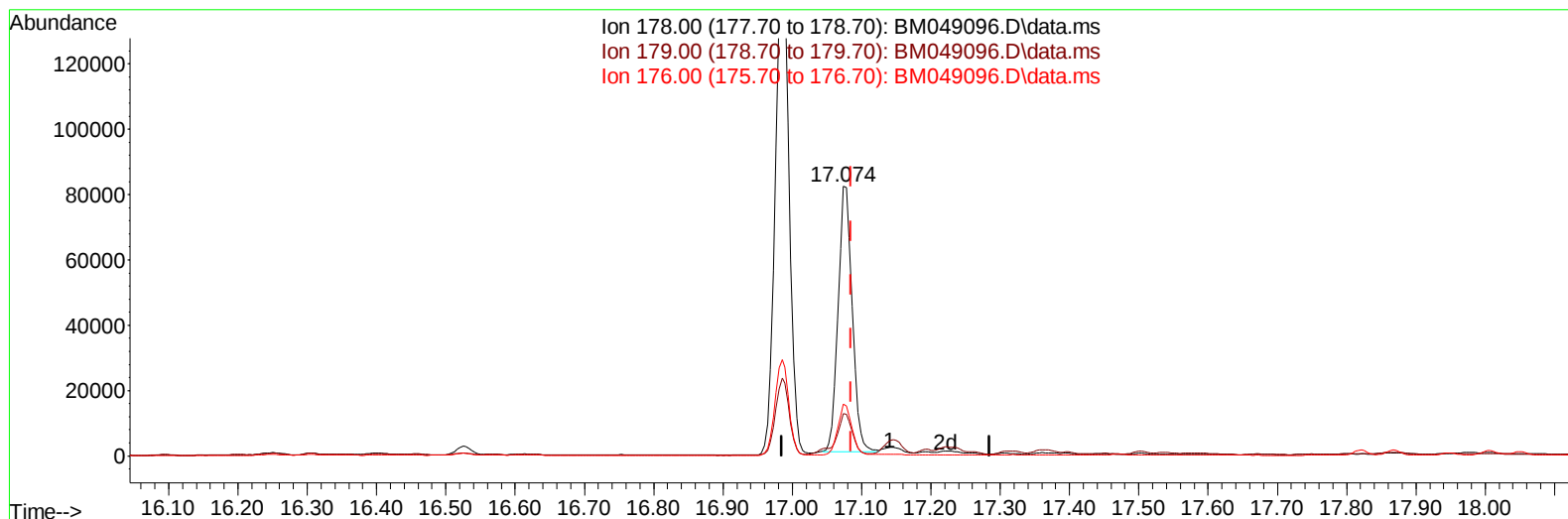
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049096.D
Acq On : 20 Dec 2024 12:03
Operator : RC/JU
Sample : P5265-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 12:32:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BM049096.D\data.ms

(16) Anthracene

17.074min (-0.011) 1.92 ng/ul m

response 115216

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	15.61
176.00	19.10	19.18
0.00	0.00	0.00

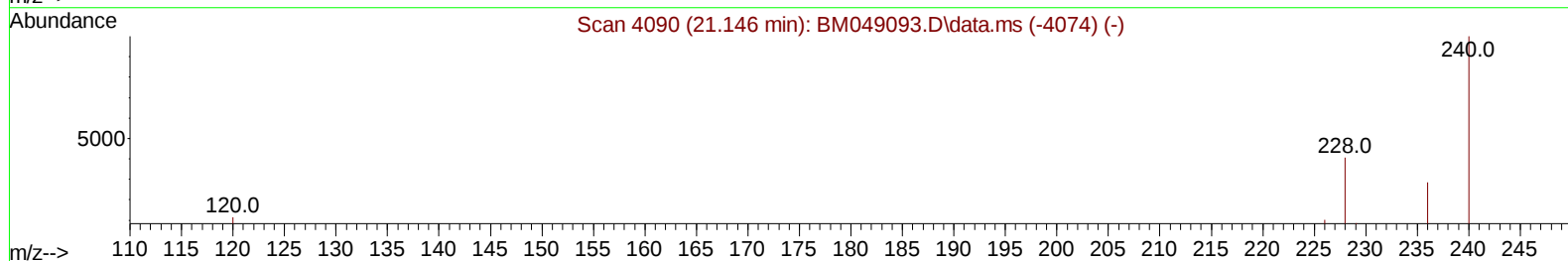
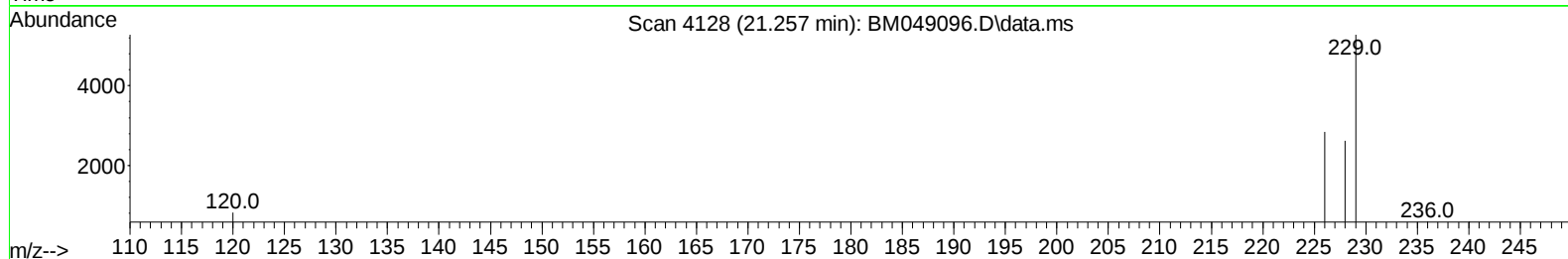
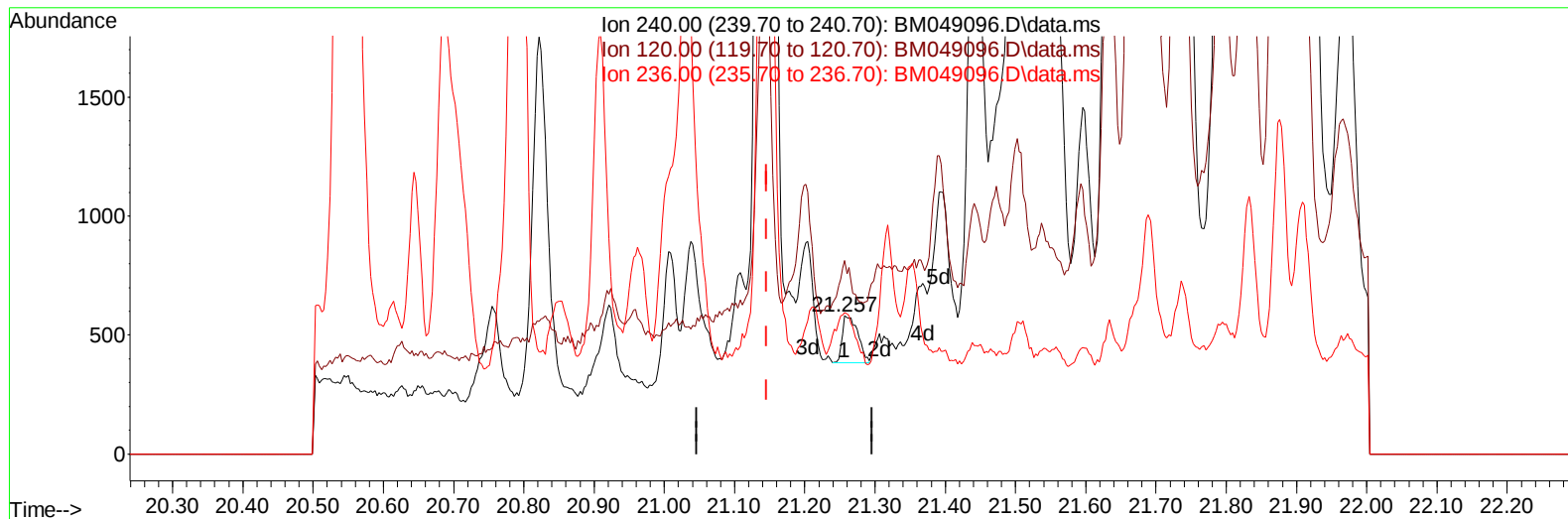
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049096.D
Acq On : 20 Dec 2024 12:03
Operator : RC/JU
Sample : P5265-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 12:32:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BM049096.D\data.ms

(17) Chrysene-d12

21.257min (+ 0.111) 0.40 ng/u1

response 301

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	14.50	139.93#
236.00	29.80	102.41#
0.00	0.00	0.00

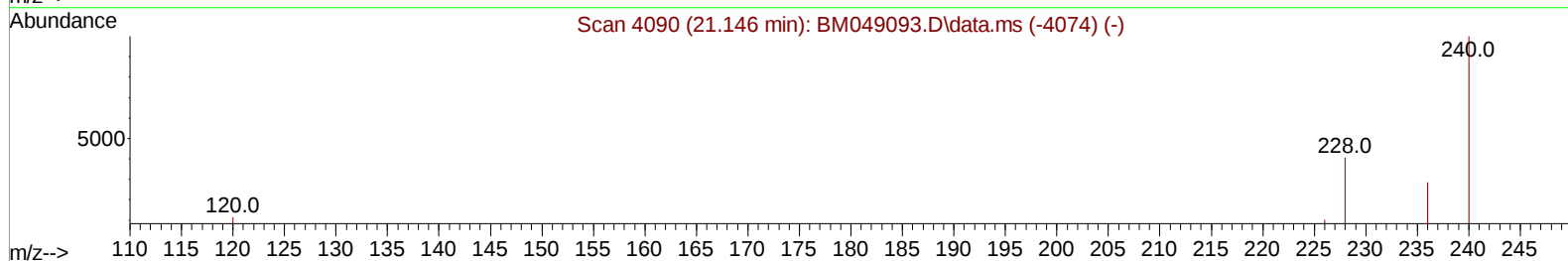
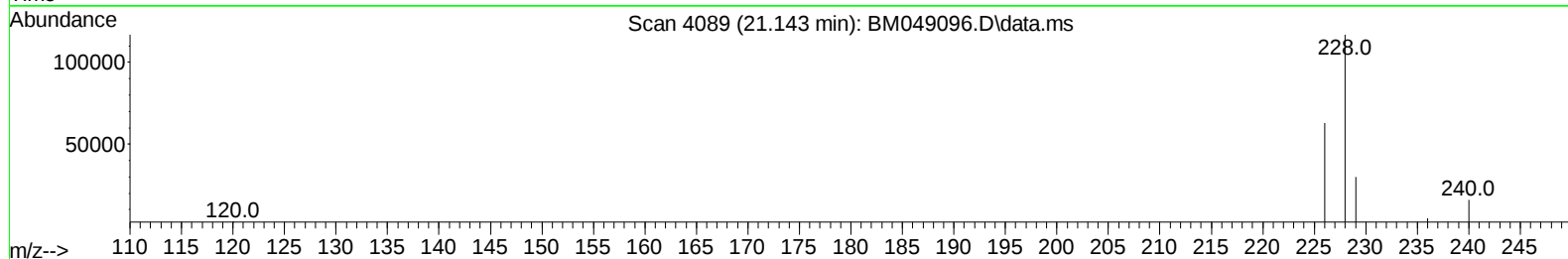
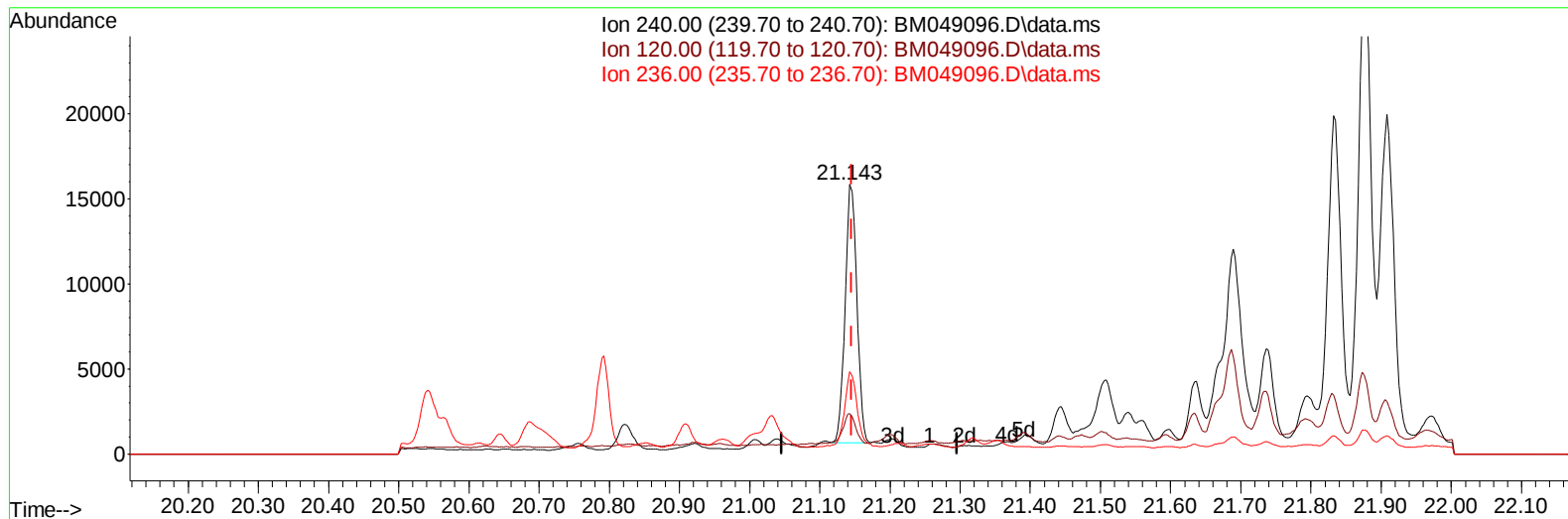
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049096.D
Acq On : 20 Dec 2024 12:03
Operator : RC/JU
Sample : P5265-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 12:32:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BM049096.D\data.ms

(17) Chrysene-d12

21.143min (-0.003) 0.40 ng/u1 m

response 17513

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	14.50	15.07
236.00	29.80	30.55
0.00	0.00	0.00

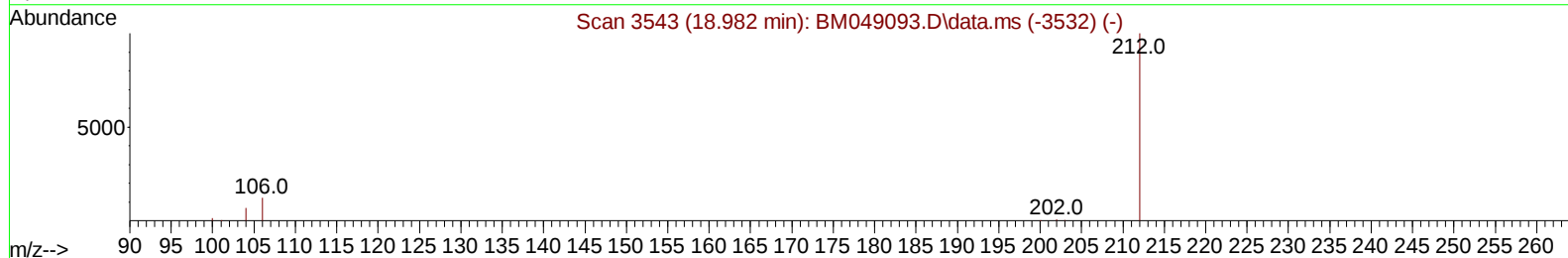
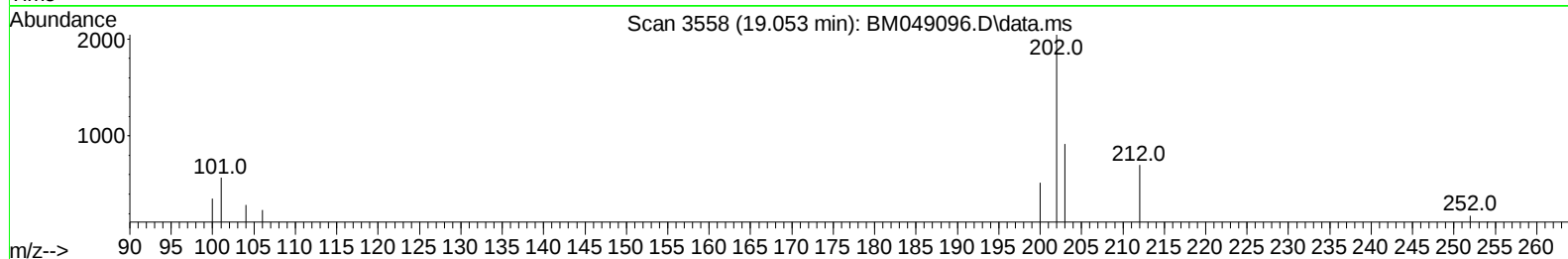
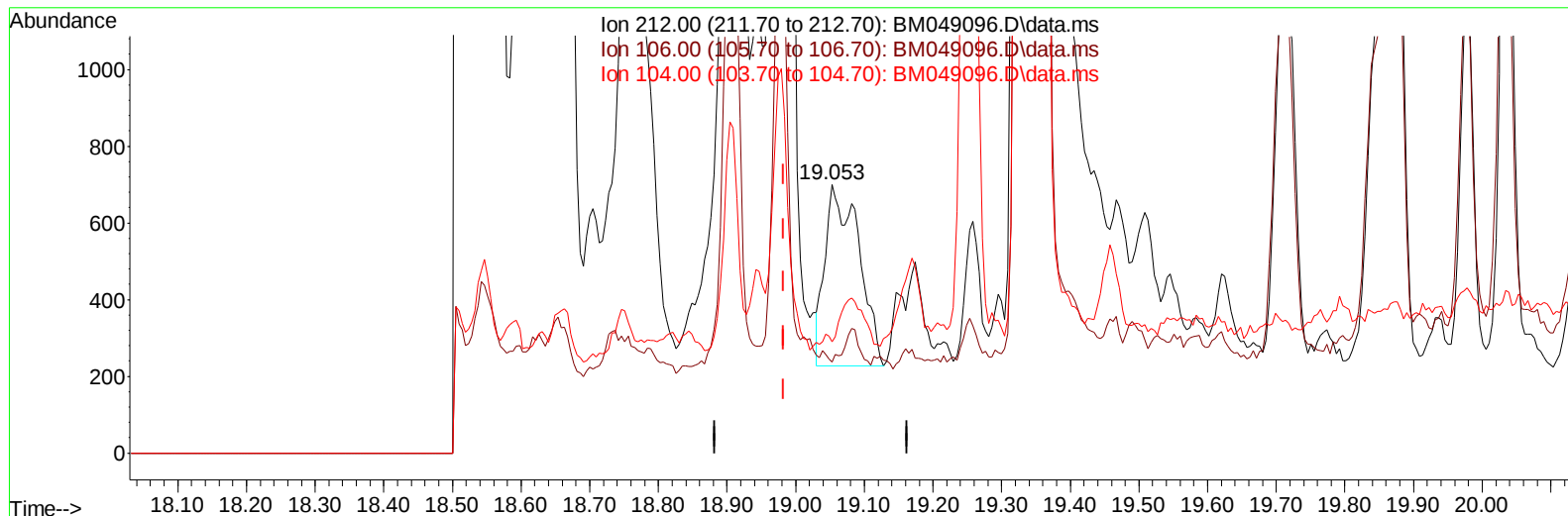
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049096.D
Acq On : 20 Dec 2024 12:03
Operator : RC/JU
Sample : P5265-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 12:32:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

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Supervised By :mohammad ahmed 12/24/2024



TIC: BM049096.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.053min (+ 0.071) 0.03 ng/u1

response 1595

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	11.60	0.00#
104.00	6.50	0.00#
0.00	0.00	0.00

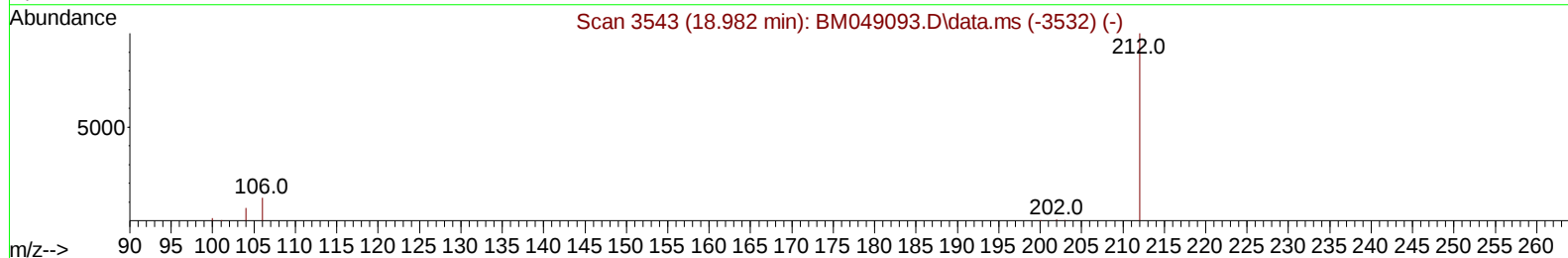
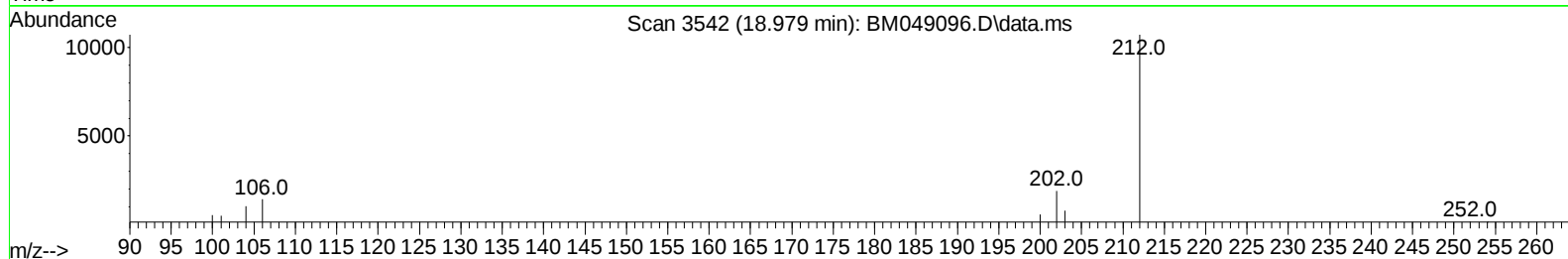
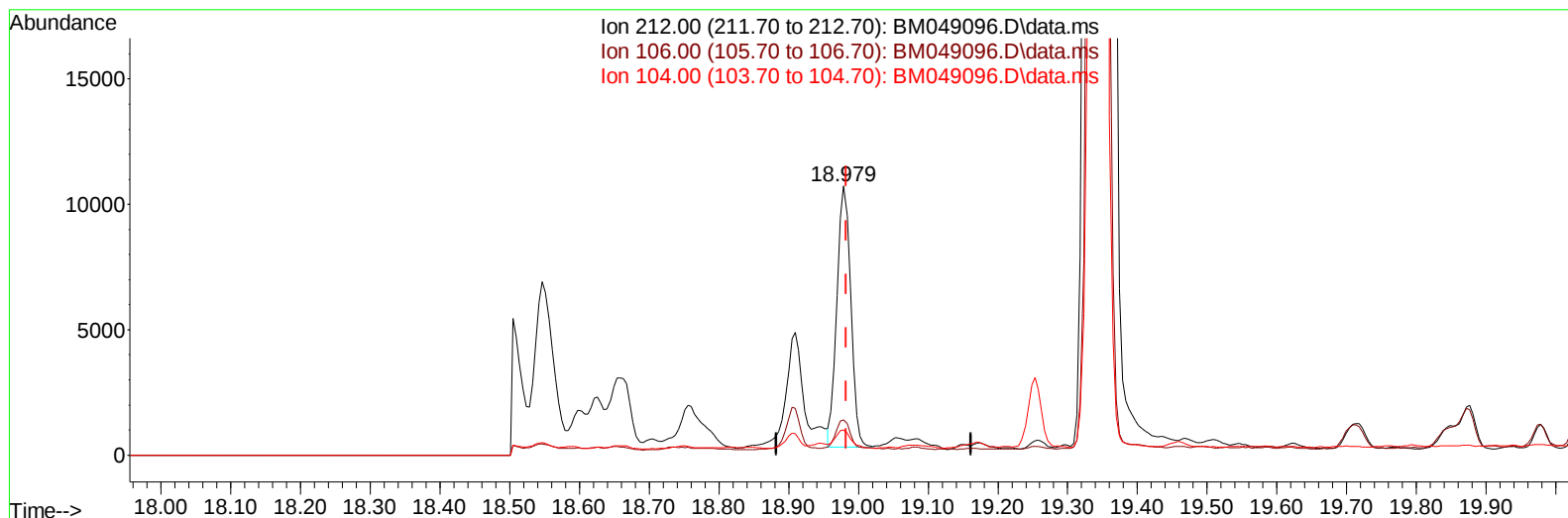
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049096.D
Acq On : 20 Dec 2024 12:03
Operator : RC/JU
Sample : P5265-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 12:32:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BM049096.D\data.ms

(18) Fluoranthene-d10 (SURR)

18.979min (-0.003) 0.29 ng/u1 m

response 14253

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	11.60	0.00#
104.00	6.50	0.00#
0.00	0.00	0.00

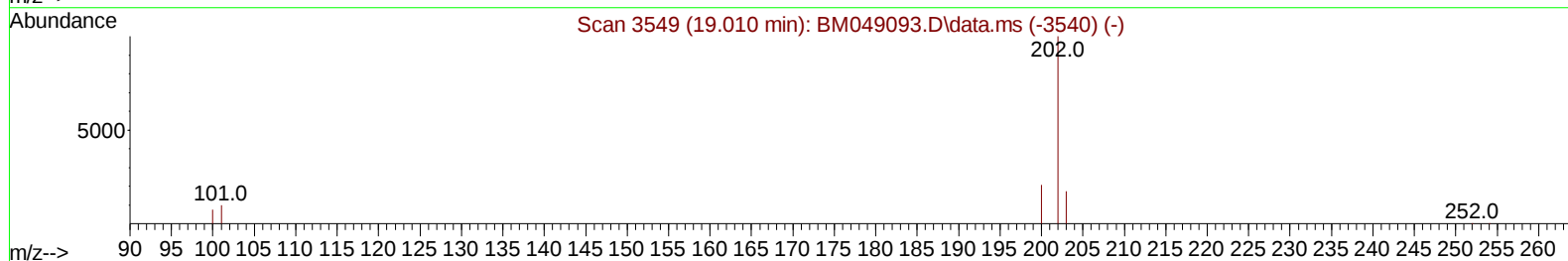
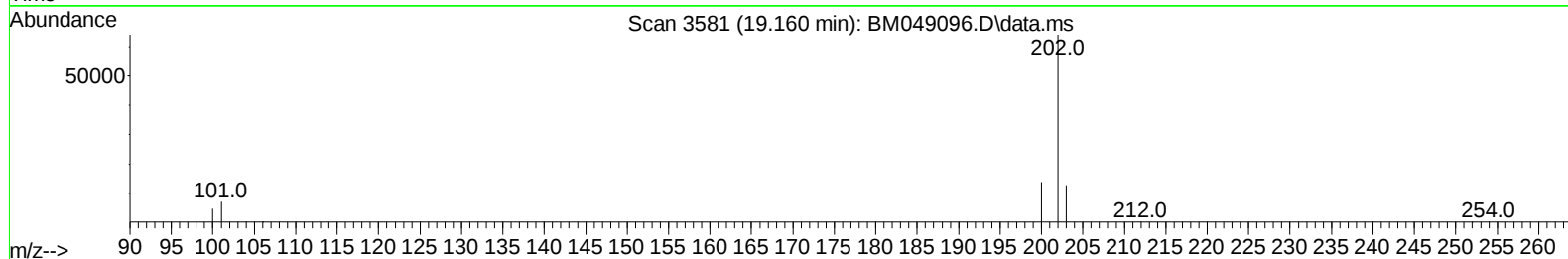
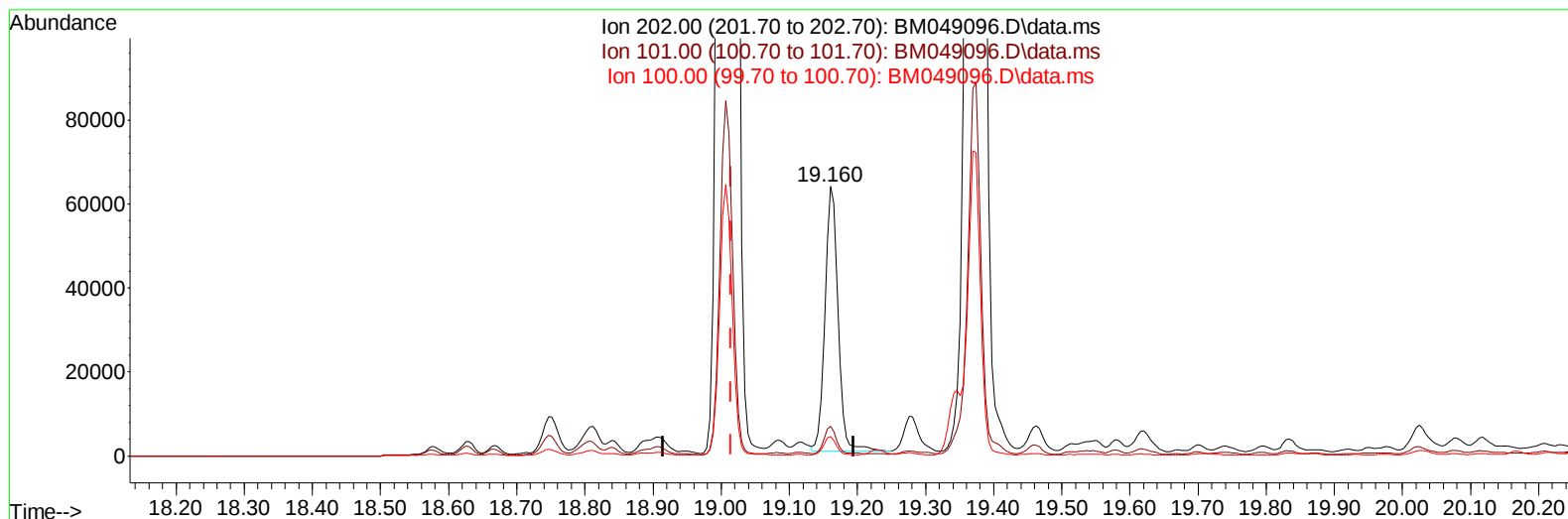
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049096.D
Acq On : 20 Dec 2024 12:03
Operator : RC/JU
Sample : P5265-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 12:32:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BM049096.D\data.ms

(19) Fluoranthene (C)

19.160min (+ 0.145) 1.32 ng/u1

response 83785

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	9.50	11.04
100.00	6.90	7.30
0.00	0.00	0.00

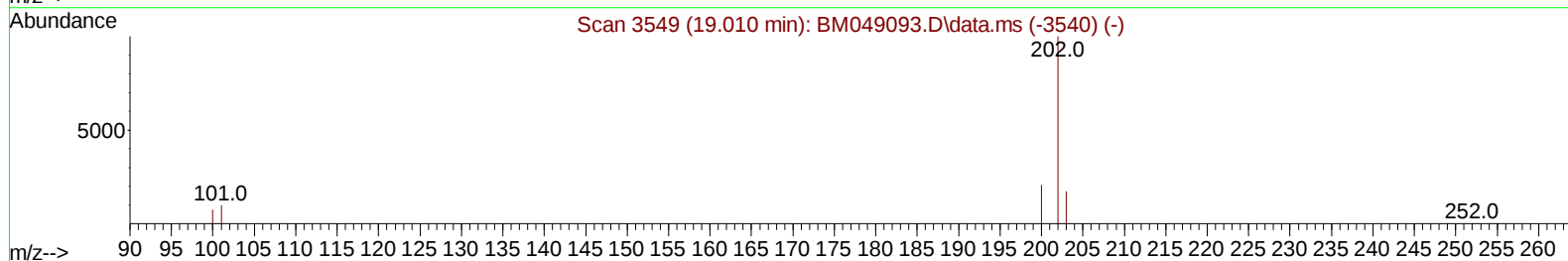
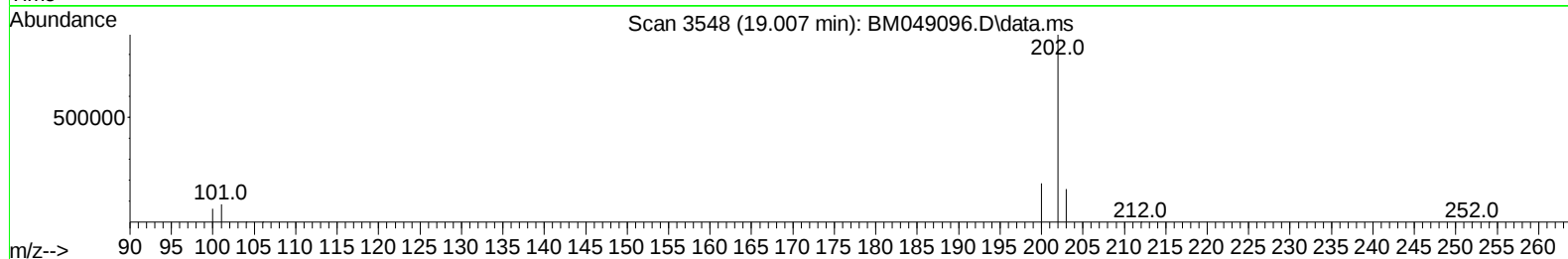
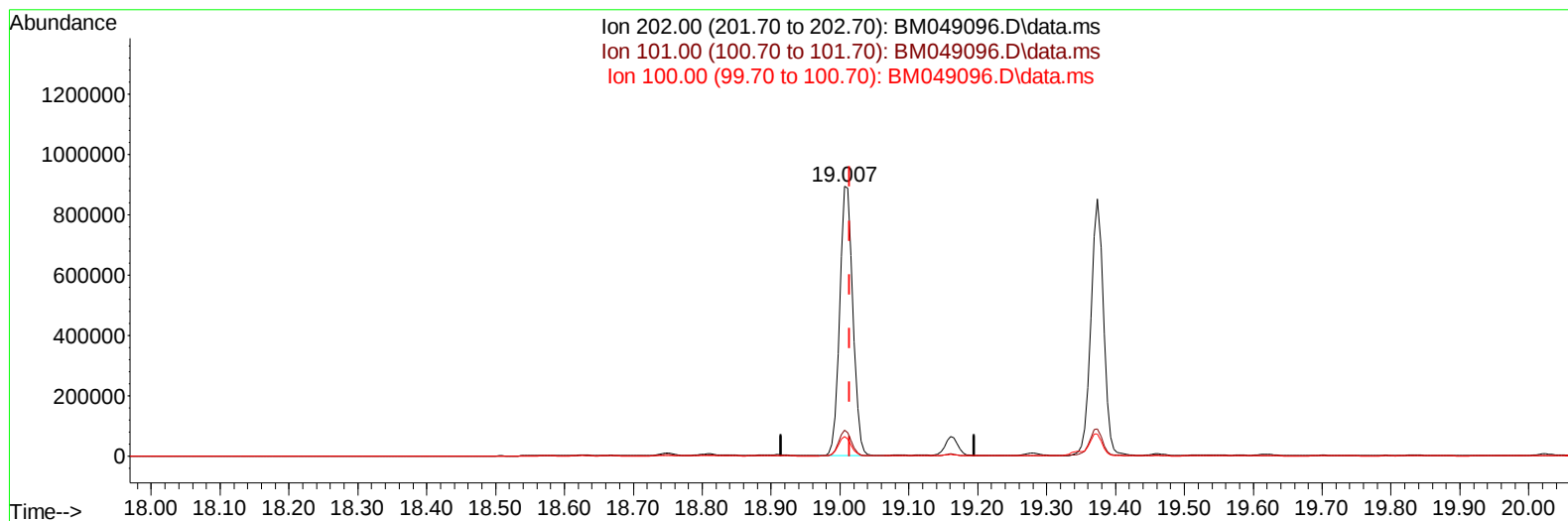
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049096.D
Acq On : 20 Dec 2024 12:03
Operator : RC/JU
Sample : P5265-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 12:32:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BM049096.D\data.ms

(19) Fluoranthene (C)

19.007min (-0.008) 18.67 ng/ul m

response 1182244

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	9.50	9.46
100.00	6.90	7.22
0.00	0.00	0.00

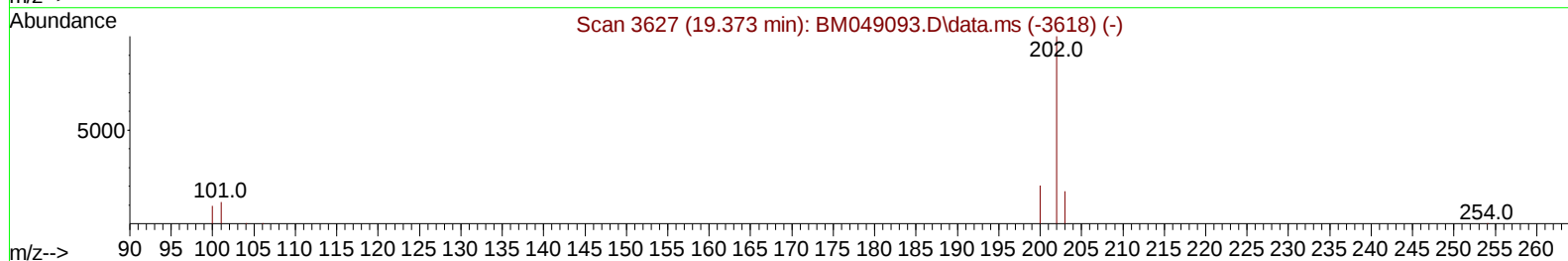
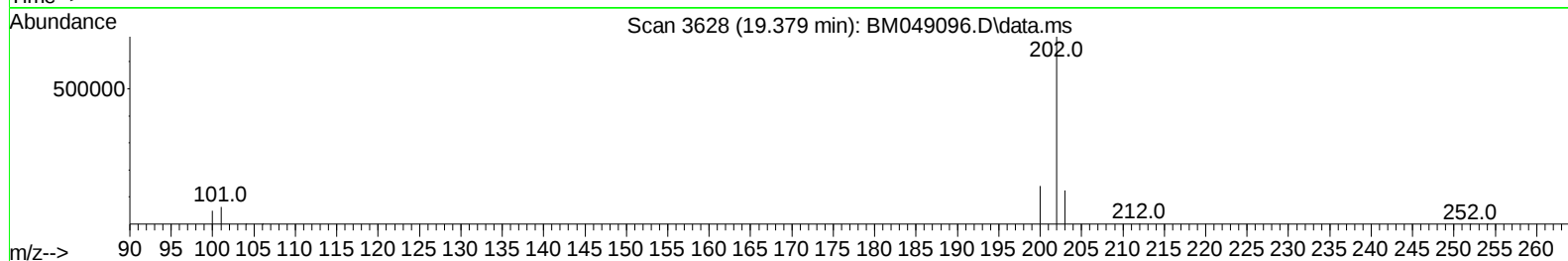
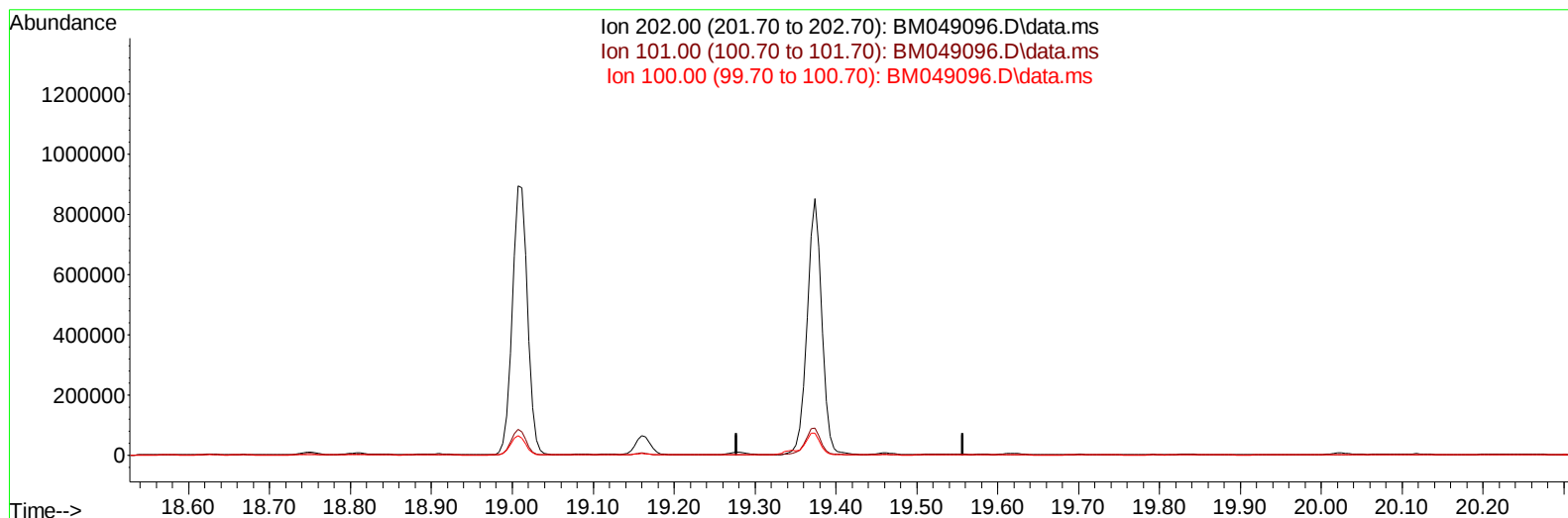
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049096.D
Acq On : 20 Dec 2024 12:03
Operator : RC/JU
Sample : P5265-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 12:32:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BM049096.D\data.ms

(20) Pyrene

19.377min (-19.377) 0.00 ng/u1

response 0

Ion	Exp%	Act%
202.00	100.00	0.00
101.00	11.10	0.00#
100.00	8.60	0.00#
0.00	0.00	0.00

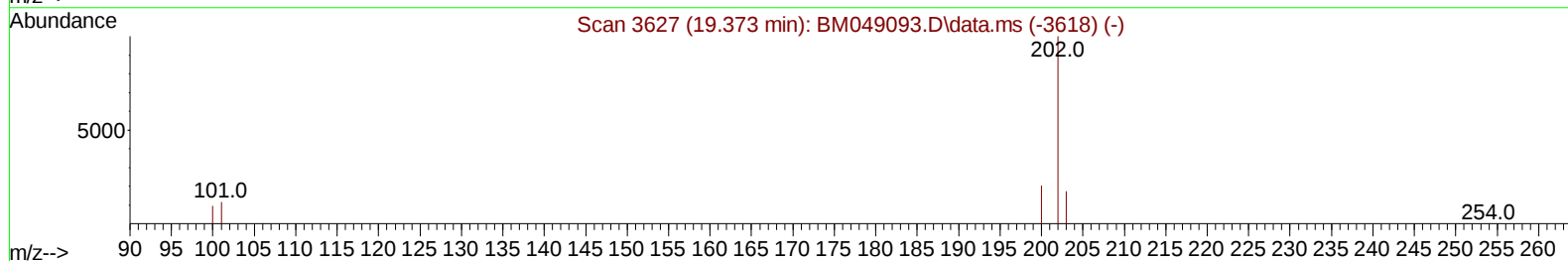
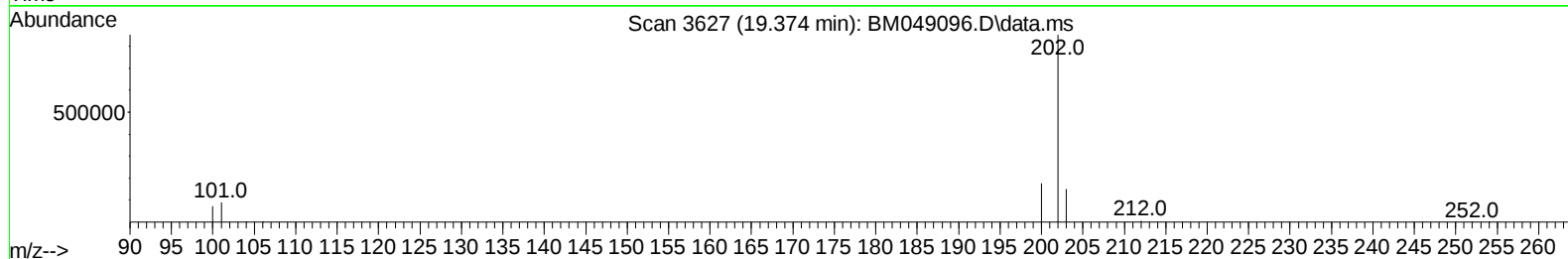
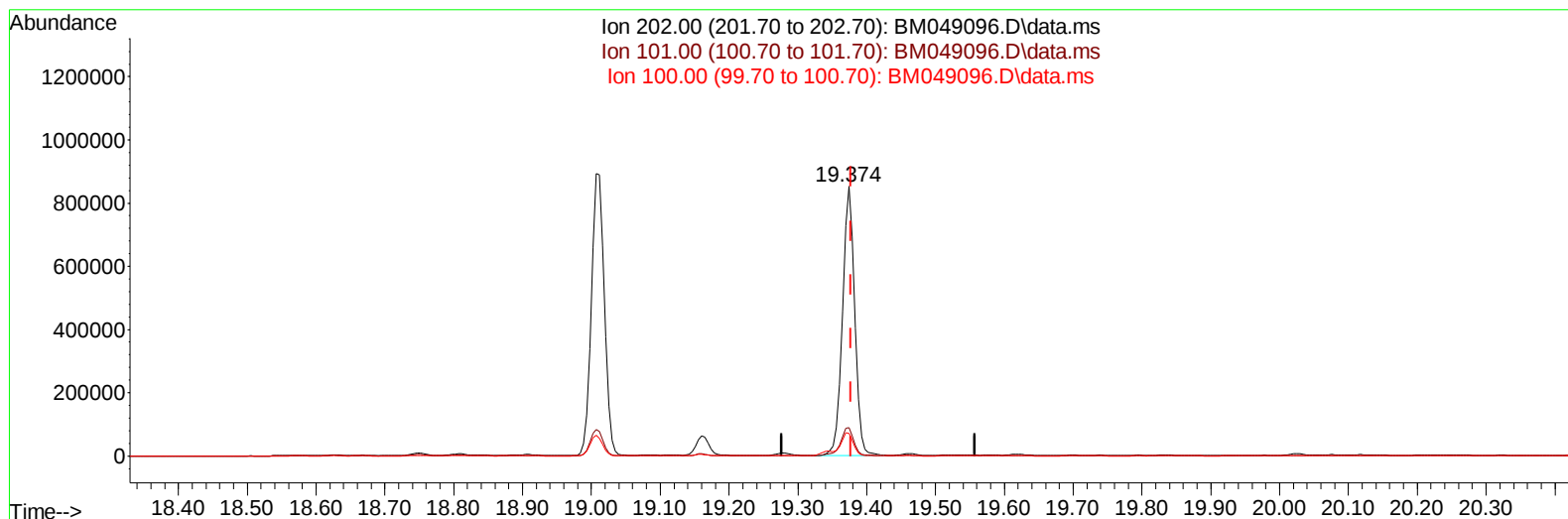
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049096.D
Acq On : 20 Dec 2024 12:03
Operator : RC/JU
Sample : P5265-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 12:32:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BM049096.D\data.ms

(20) Pyrene

19.374min (-0.003) 15.68 ng/ul m

response 1059058

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.10	10.44
100.00	8.60	8.48
0.00	0.00	0.00

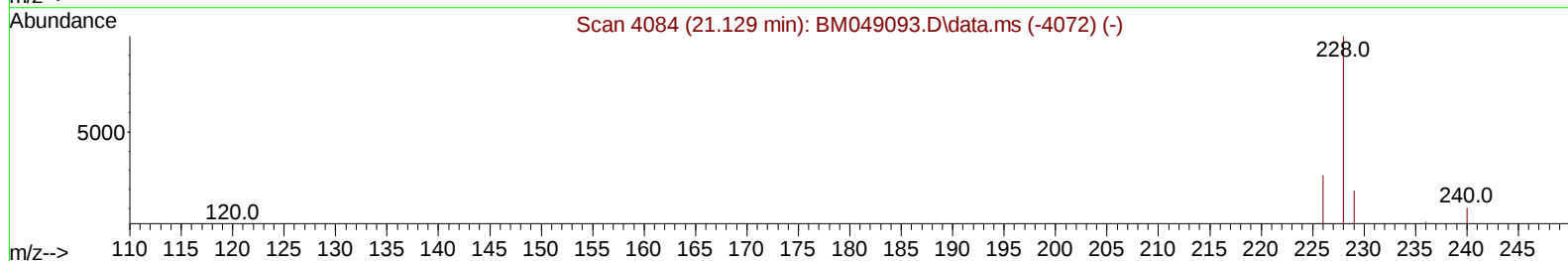
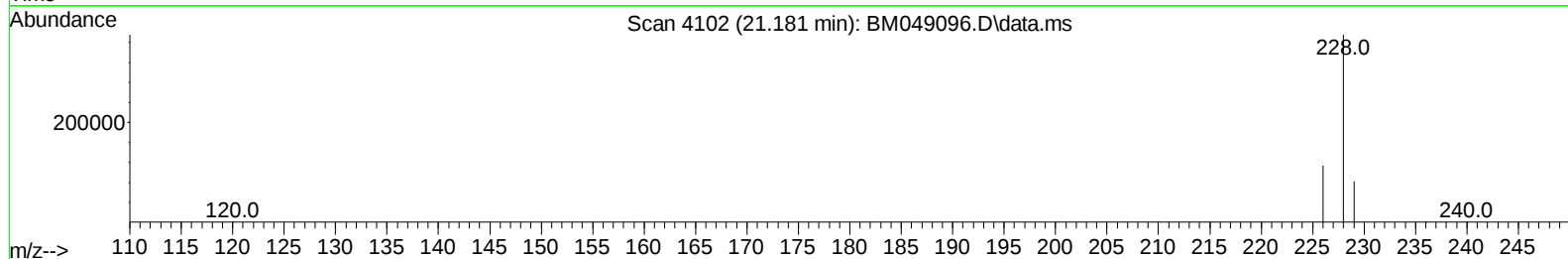
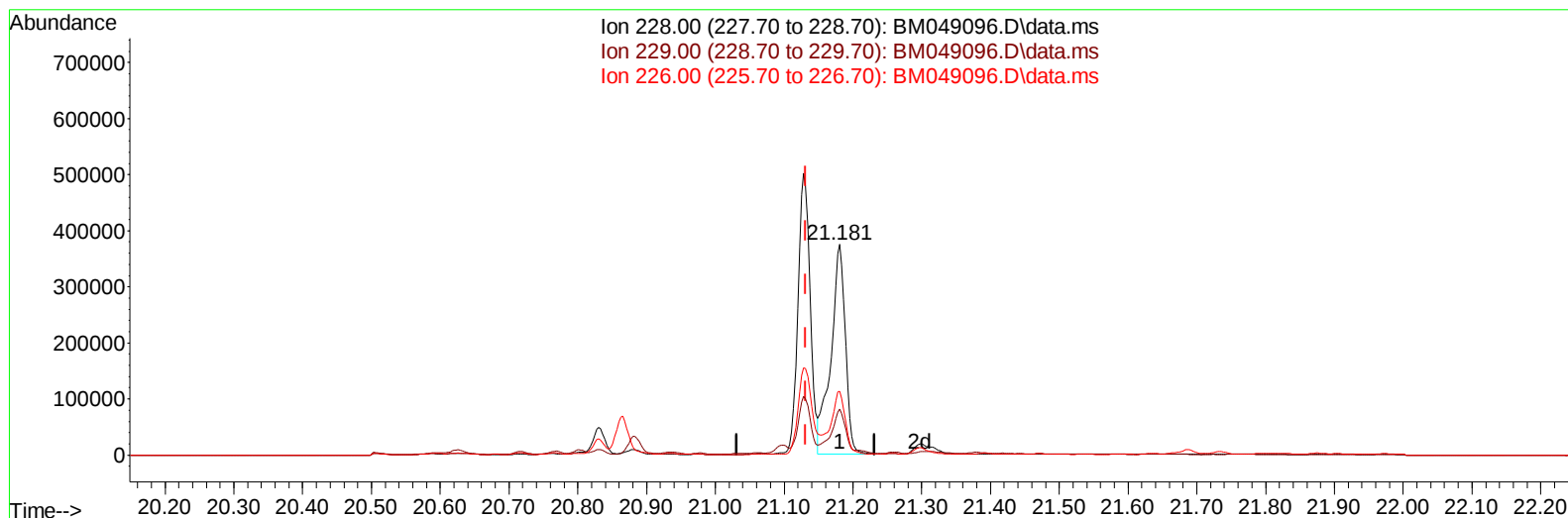
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049096.D
Acq On : 20 Dec 2024 12:03
Operator : RC/JU
Sample : P5265-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y8

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 20 12:32:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration



TIC: BM049096.D\data.ms

(21) Benzo(a)anthracene**21.181min (+ 0.049) 8.97 ng/u1****response 546414**

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.90	21.82
226.00	28.30	30.31
0.00	0.00	0.00

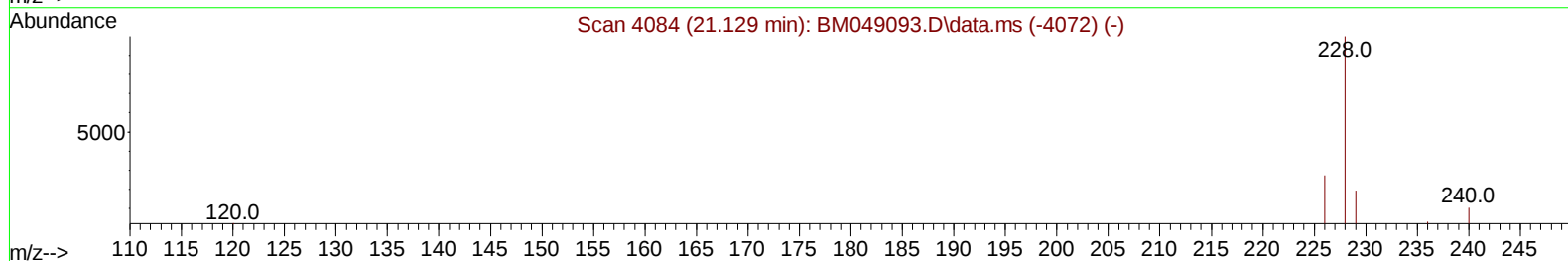
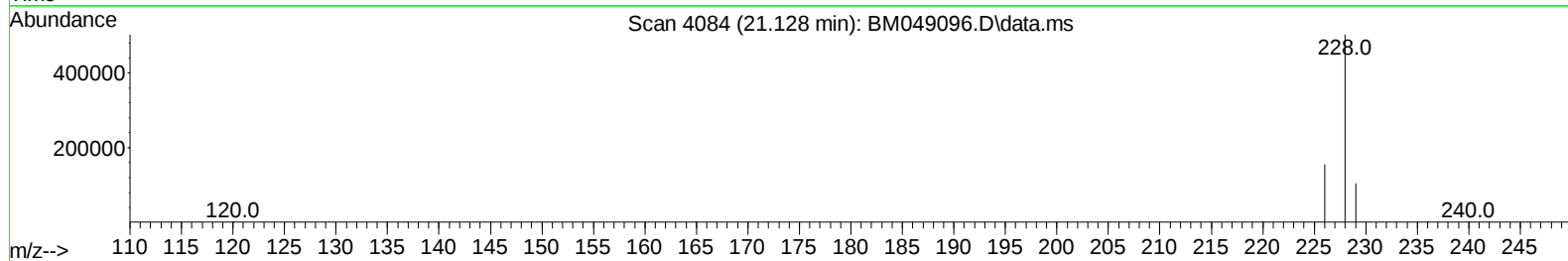
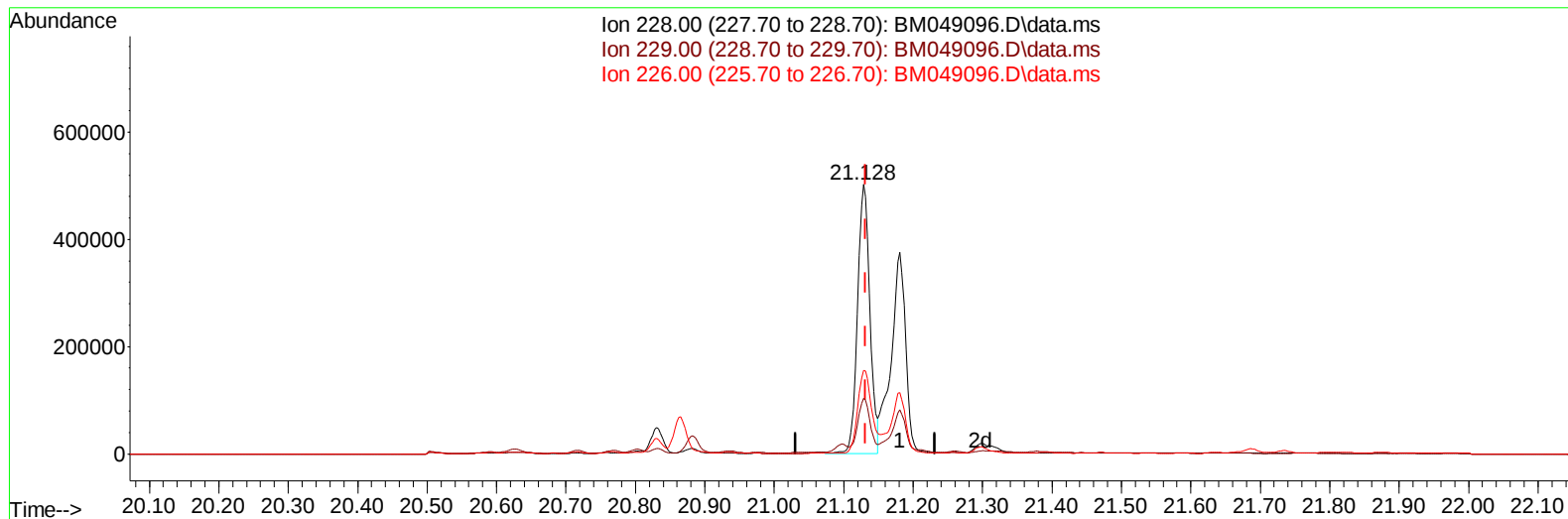
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049096.D
Acq On : 20 Dec 2024 12:03
Operator : RC/JU
Sample : P5265-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 12:32:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BM049096.D\data.ms

(21) Benzo(a)anthracene

21.128min (-0.003) 10.21 ng/ul m

response 621801

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.90	20.74
226.00	28.30	30.92
0.00	0.00	0.00

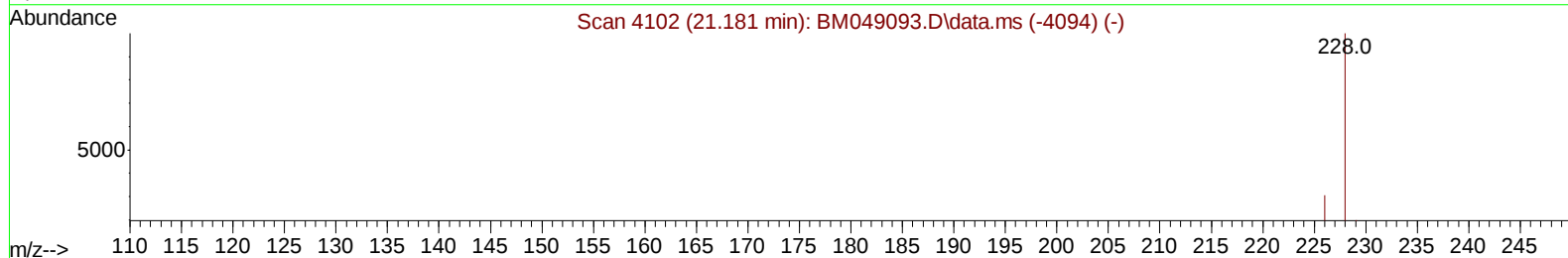
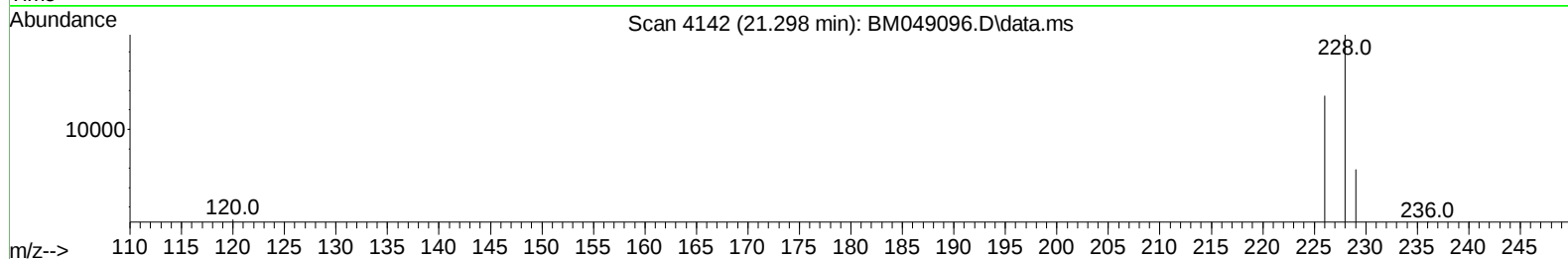
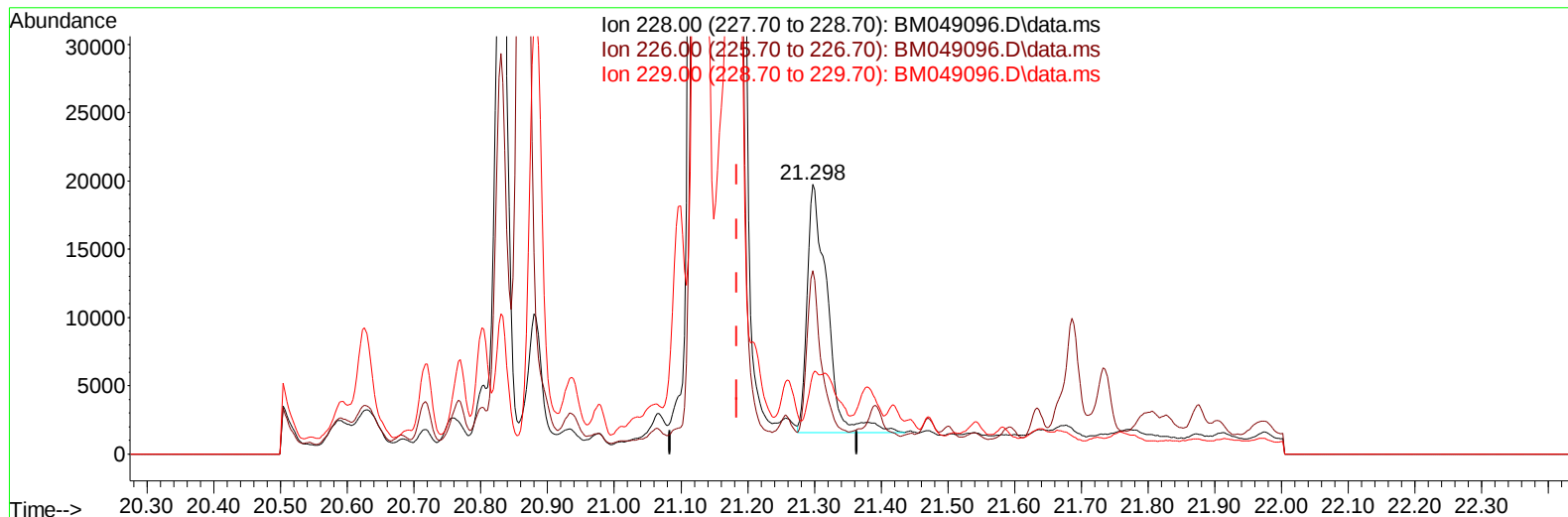
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049096.D
Acq On : 20 Dec 2024 12:03
Operator : RC/JU
Sample : P5265-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 12:32:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BM049096.D\data.ms

(22) Chrysene

21.298min (+ 0.114) 0.58 ng/u1

response 37989

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.10	68.10#
229.00	19.80	29.71#
0.00	0.00	0.00

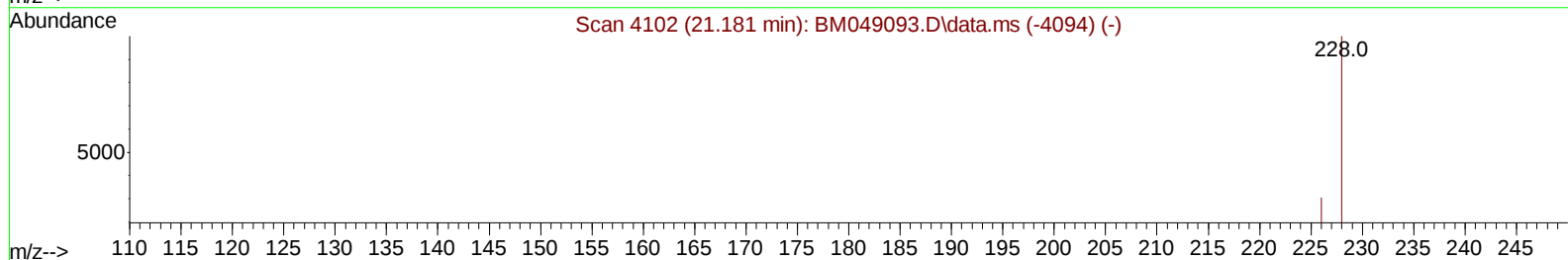
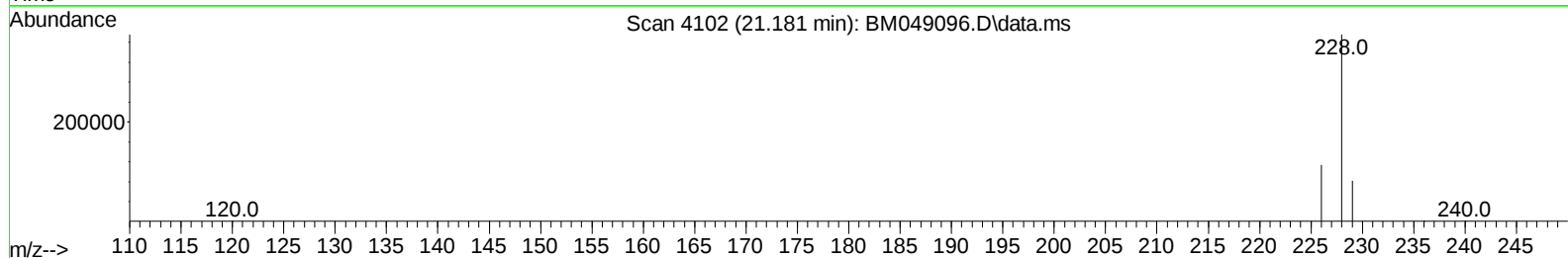
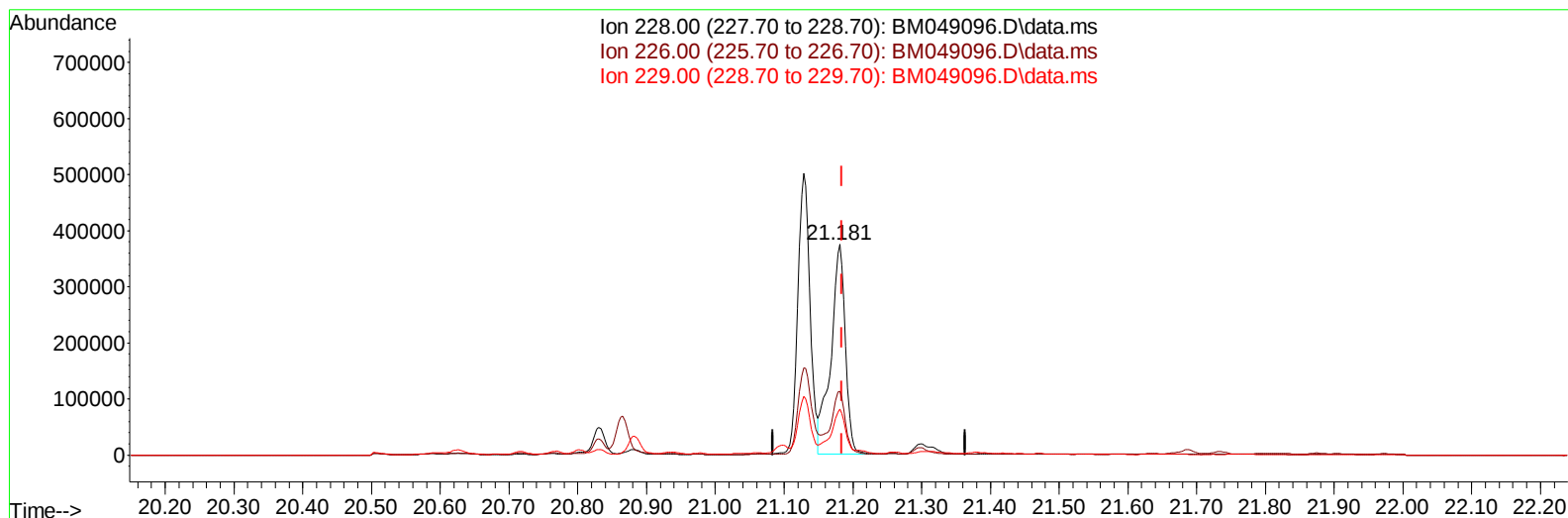
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049096.D
Acq On : 20 Dec 2024 12:03
Operator : RC/JU
Sample : P5265-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 12:32:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BM049096.D\data.ms

(22) Chrysene

21.181min (-0.003) 8.38 ng/ul m

response 547770

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.10	30.31
229.00	19.80	21.82
0.00	0.00	0.00

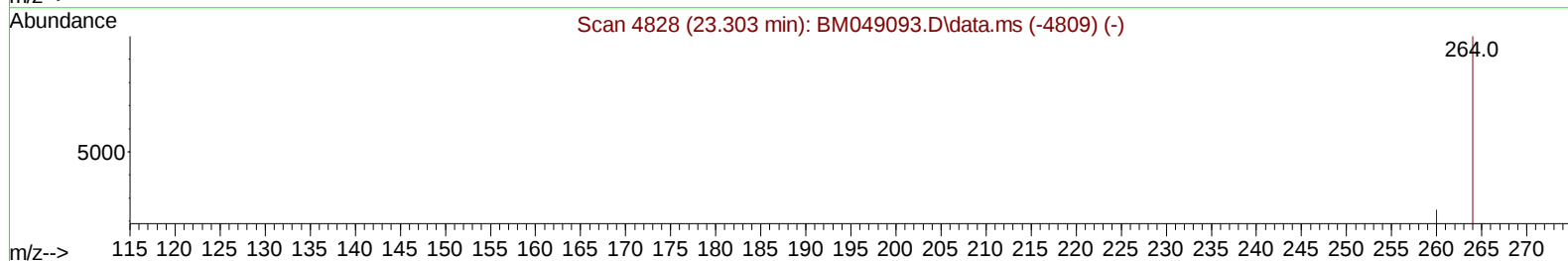
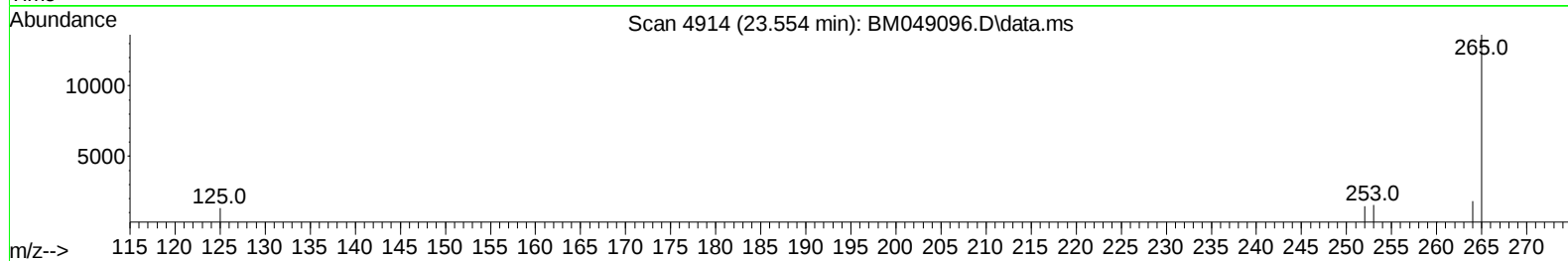
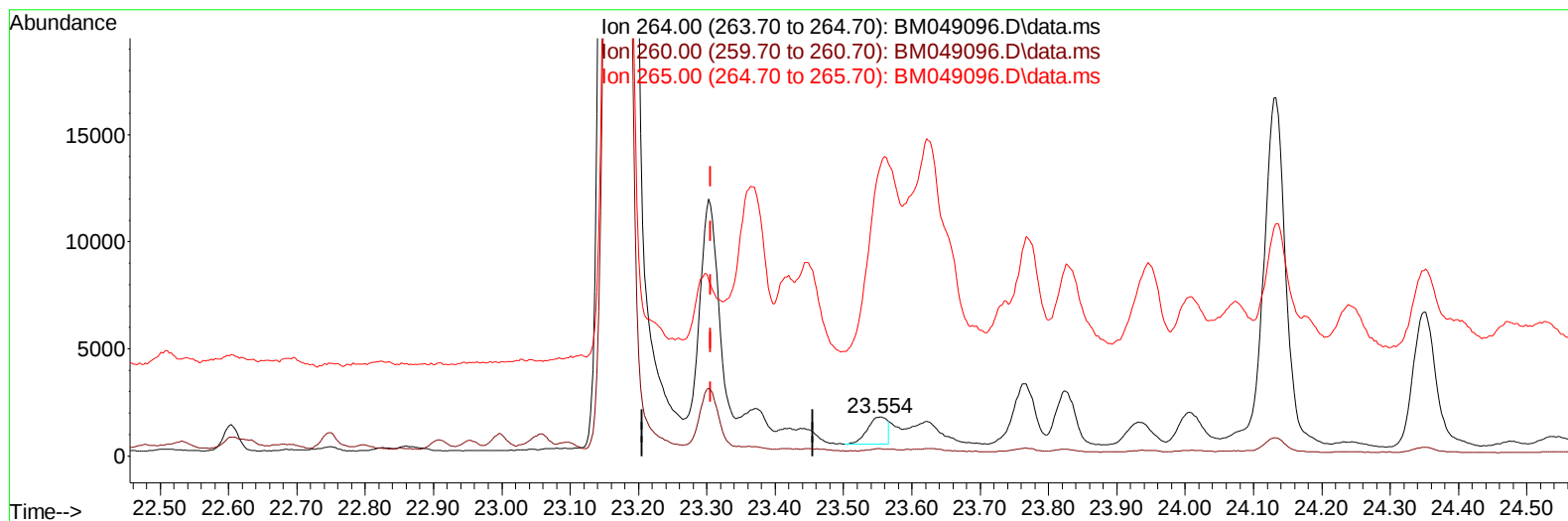
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
 Data File : BM049096.D
 Acq On : 20 Dec 2024 12:03
 Operator : RC/JU
 Sample : P5265-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28Y8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 12:32:25 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 18 15:33:13 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2024
 Supervised By :mohammad ahmed 12/24/2024



TIC: BM049096.D\data.ms

(23) Perylene-d12 (I)

23.554min (+ 0.248) 0.40 ng/ul

response 2638

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	18.73#
265.00	78.30	747.39#
0.00	0.00	0.00

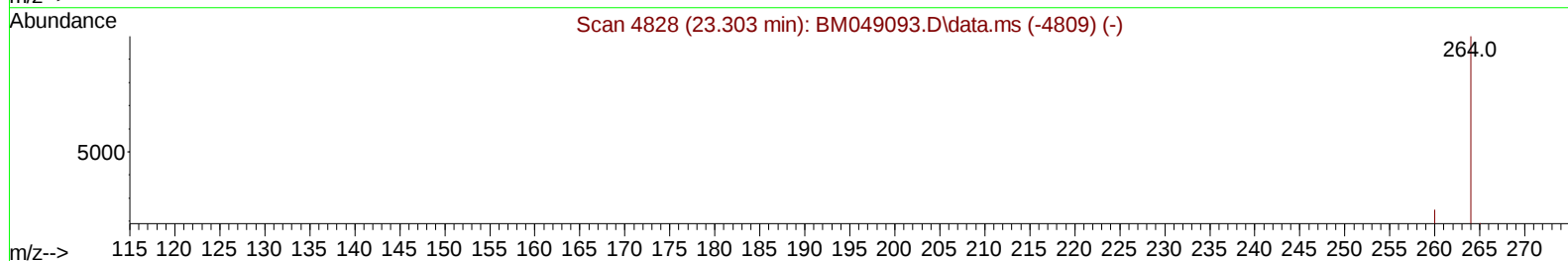
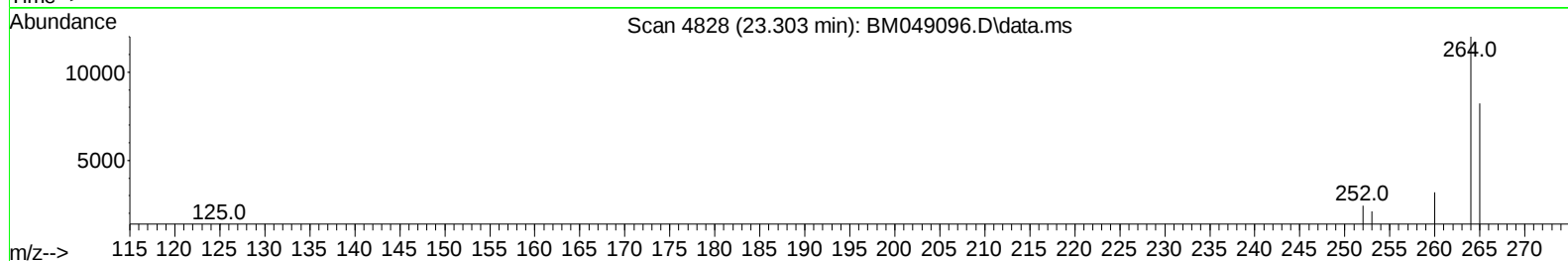
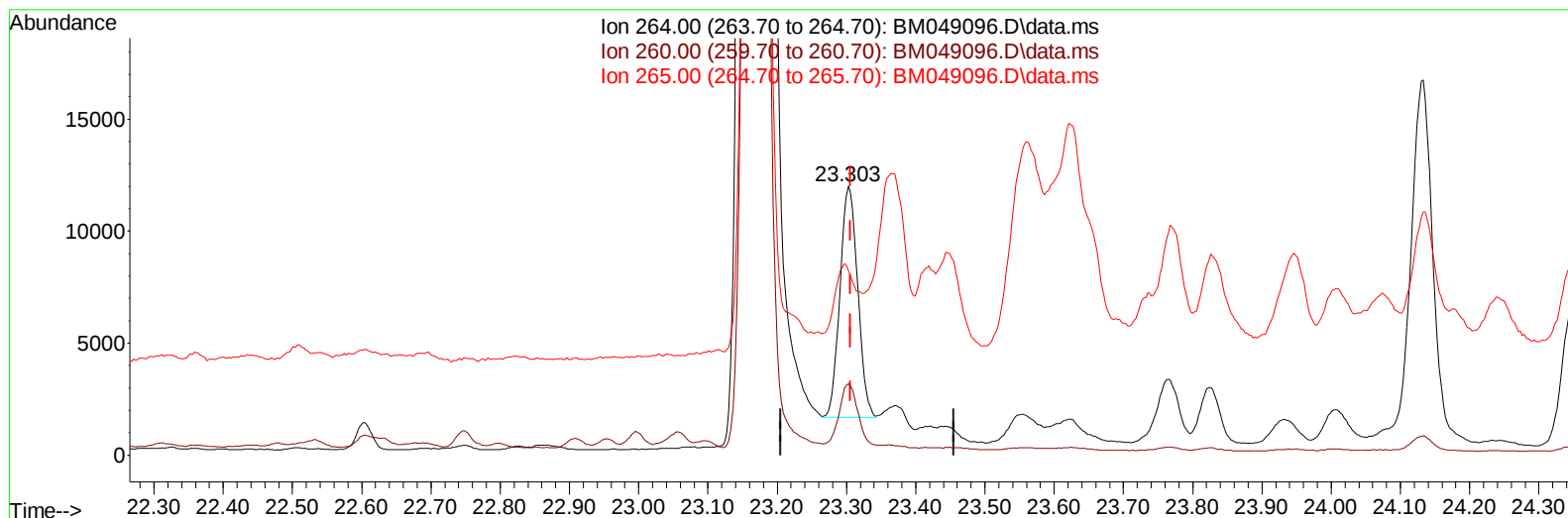
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
 Data File : BM049096.D
 Acq On : 20 Dec 2024 12:03
 Operator : RC/JU
 Sample : P5265-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28Y8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 12:32:25 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 18 15:33:13 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2024
 Supervised By :mohammad ahmed 12/24/2024



TIC: BM049096.D\data.ms

(23) Perylene-d12 (I)

23.303min (-0.003) 0.40 ng/ul m

response 18304

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	26.46
265.00	78.30	68.56
0.00	0.00	0.00

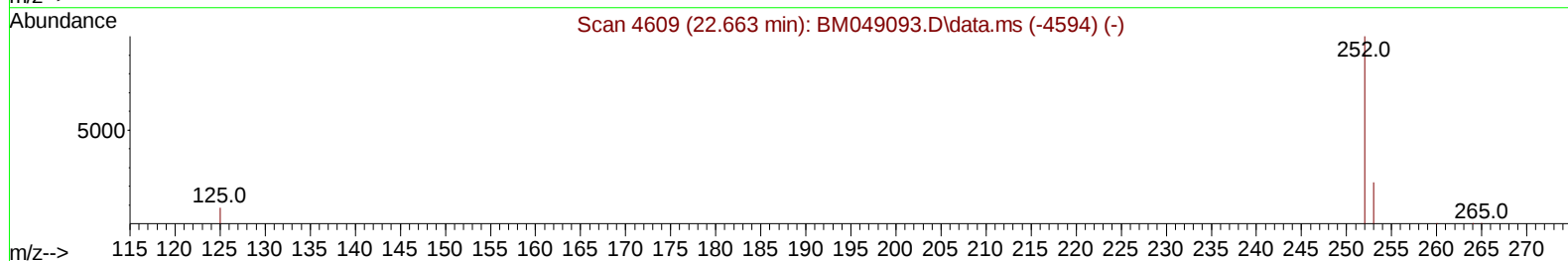
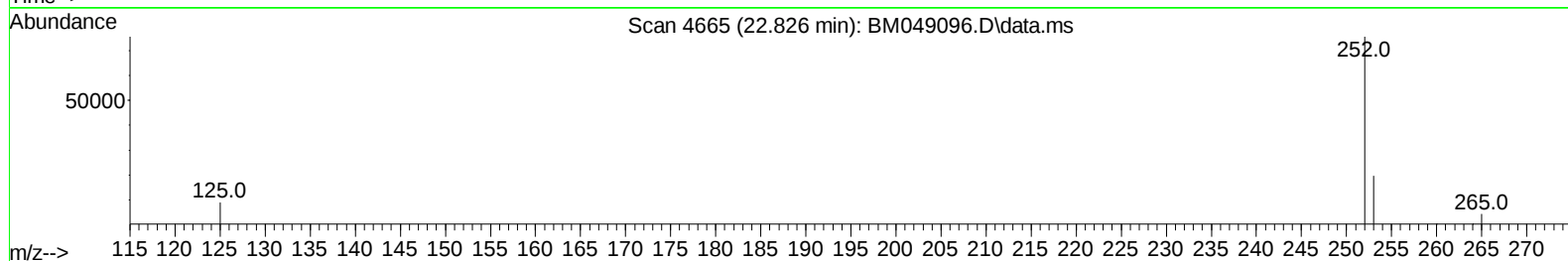
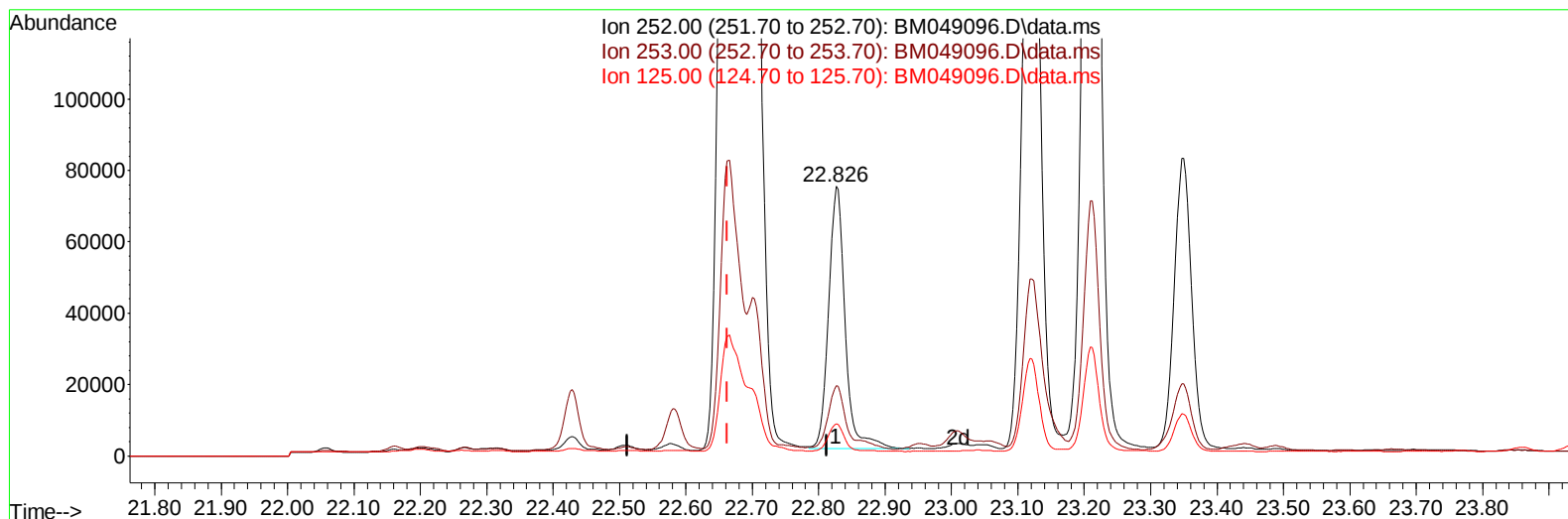
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049096.D
Acq On : 20 Dec 2024 12:03
Operator : RC/JU
Sample : P5265-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 12:32:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BM049096.D\data.ms

(24) Benzo(b)fluoranthene

22.826min (+ 0.163) 2.15 ng/u1

response 125752

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	26.09
125.00	15.40	12.05
0.00	0.00	0.00

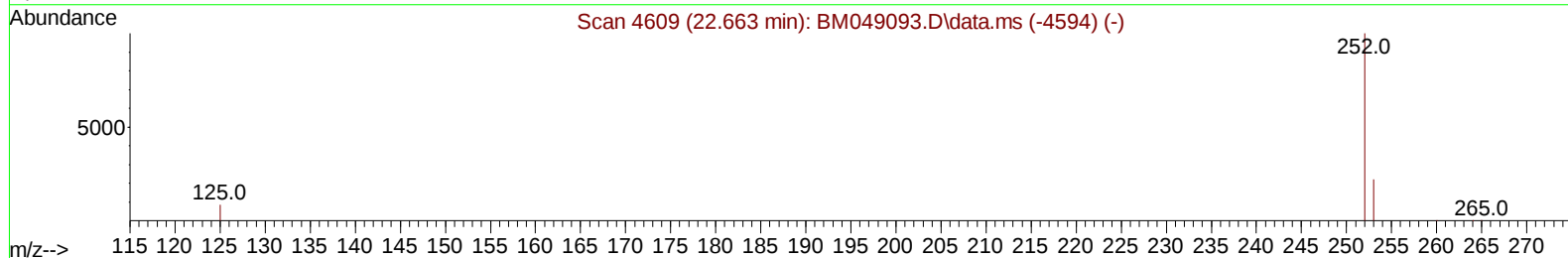
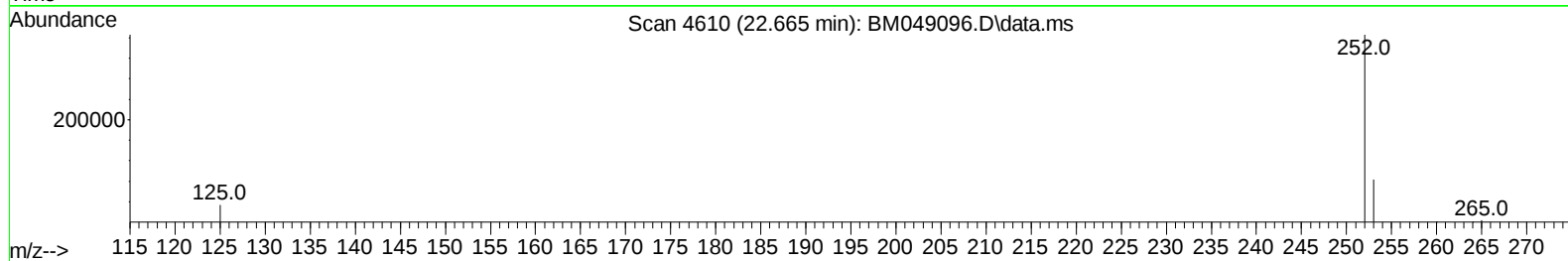
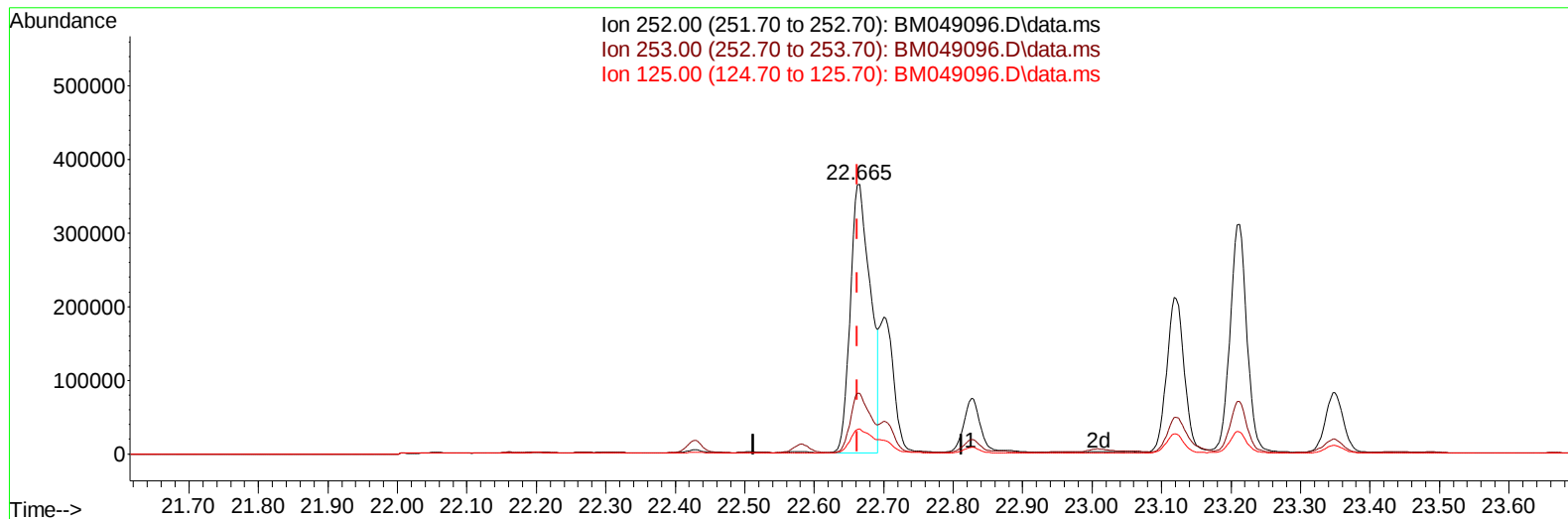
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049096.D
Acq On : 20 Dec 2024 12:03
Operator : RC/JU
Sample : P5265-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 12:32:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BM049096.D\data.ms

(24) Benzo(b)fluoranthene

22.665min (+ 0.003) 12.67 ng/ul m

response 740749

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	22.63
125.00	15.40	9.28
0.00	0.00	0.00

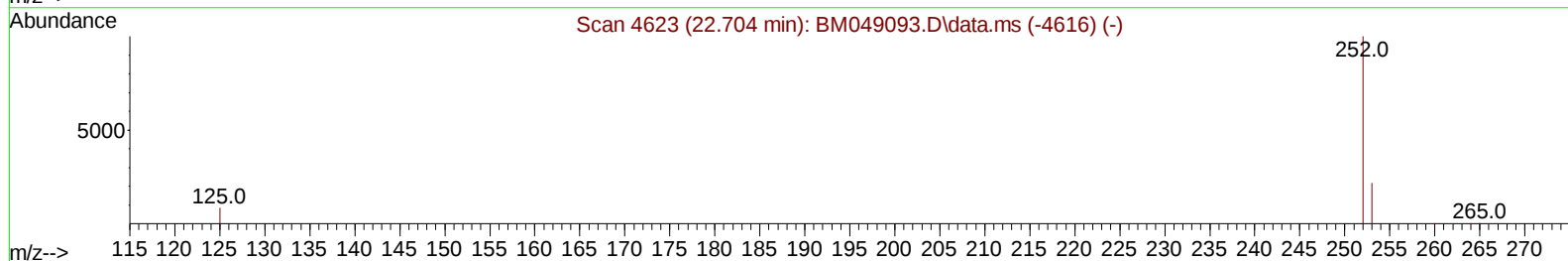
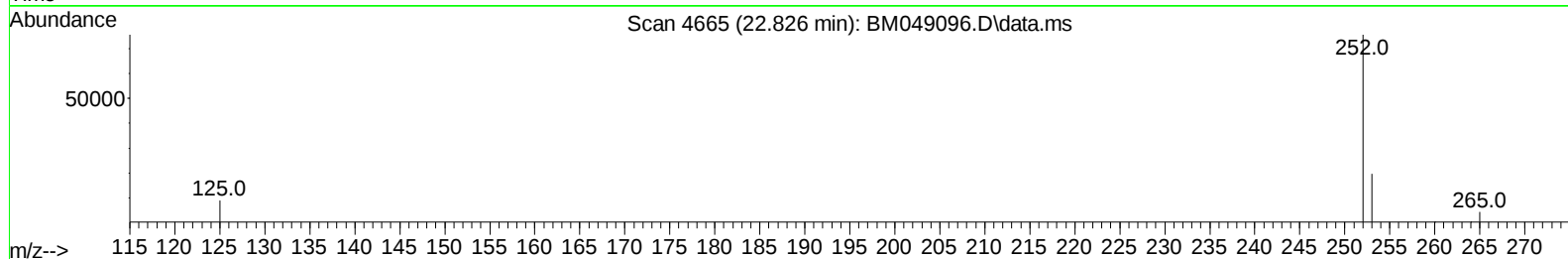
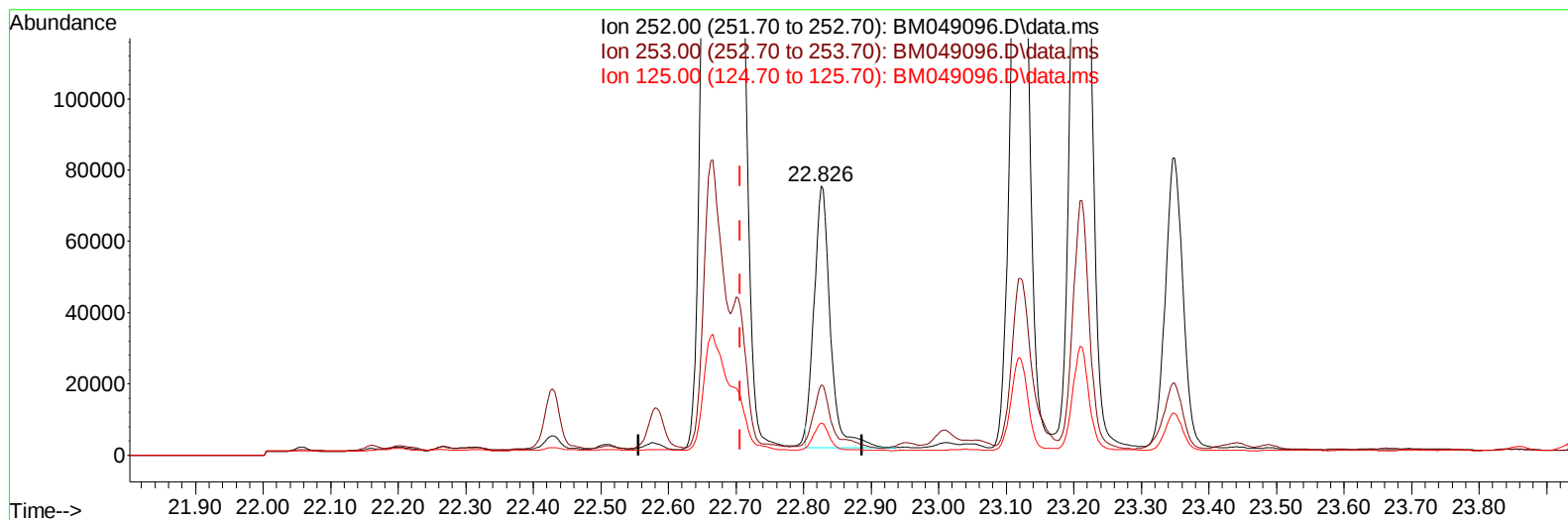
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049096.D
Acq On : 20 Dec 2024 12:03
Operator : RC/JU
Sample : P5265-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 12:32:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BM049096.D\data.ms

(25) Benzo(k)fluoranthene

22.826min (+ 0.120) 1.92 ng/u1

response 123336

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	26.09
125.00	15.70	12.05#
0.00	0.00	0.00

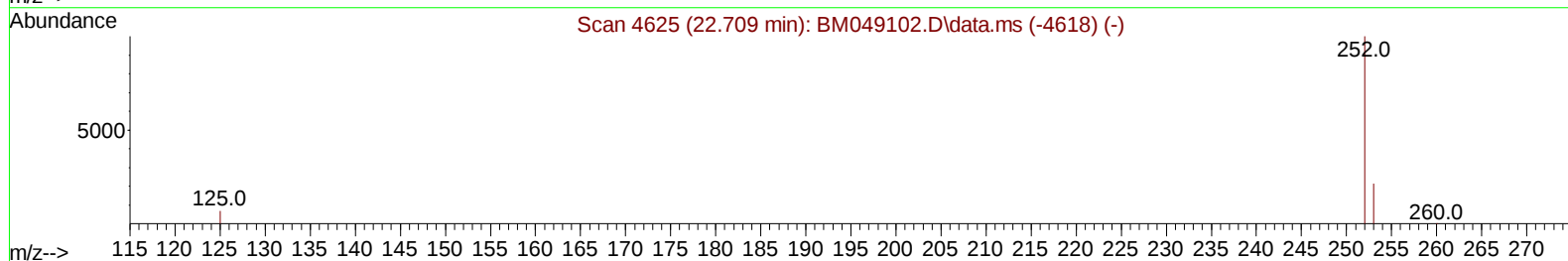
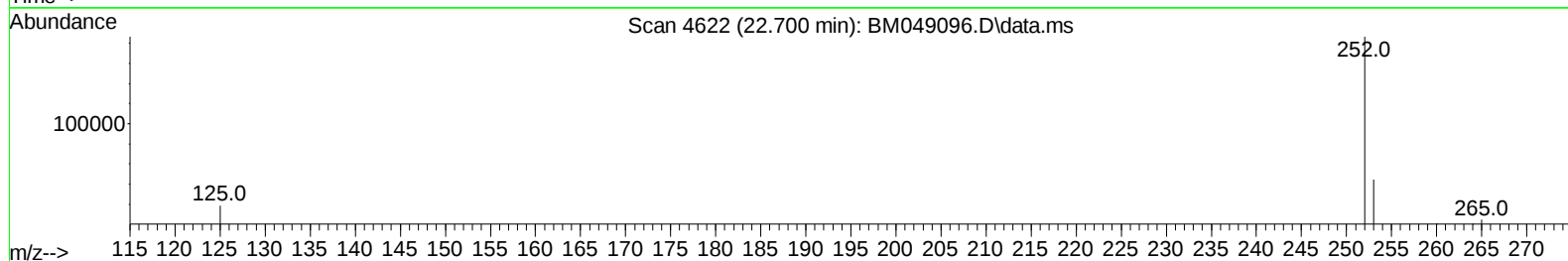
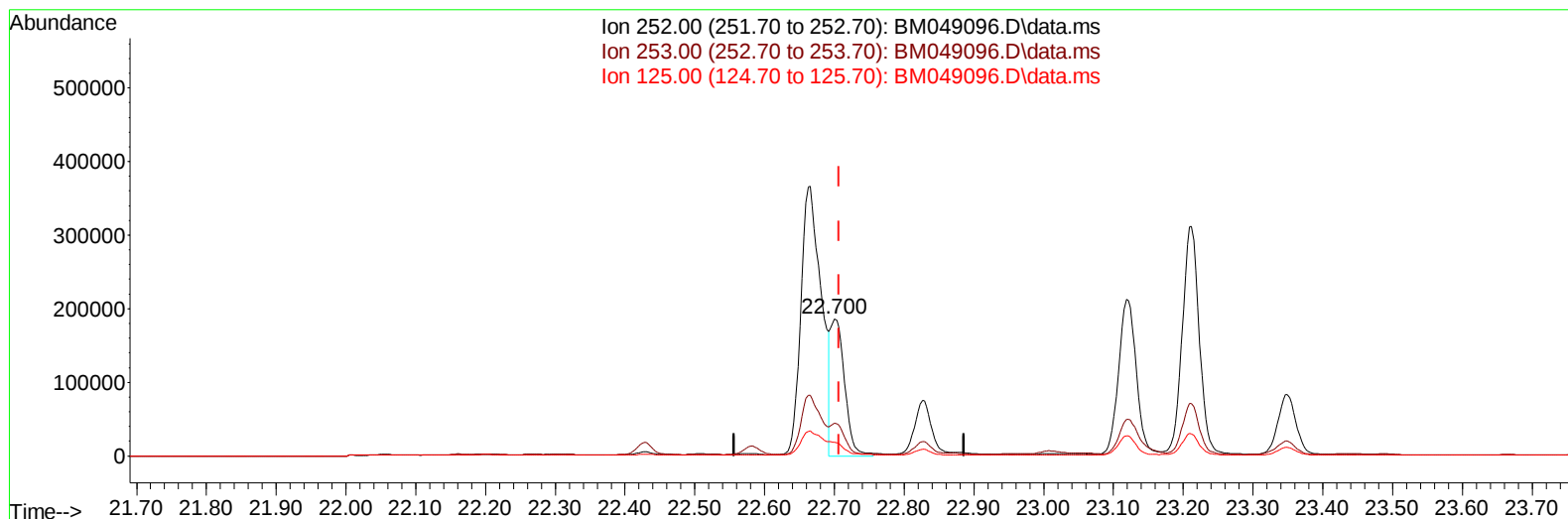
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049096.D
Acq On : 20 Dec 2024 12:03
Operator : RC/JU
Sample : P5265-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 12:32:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BM049096.D\data.ms

(25) Benzo(k)fluoranthene

22.700min (-0.006) 4.13 ng/u1 m

response 264758

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	23.80
125.00	15.70	10.12#
0.00	0.00	0.00

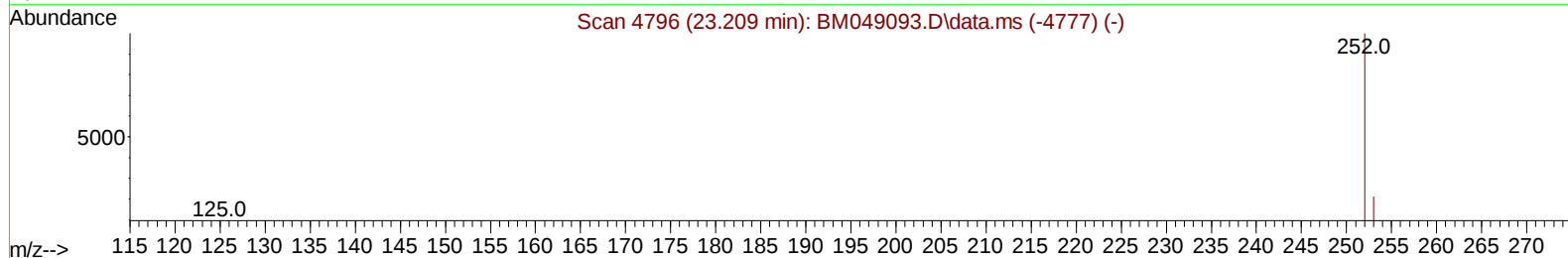
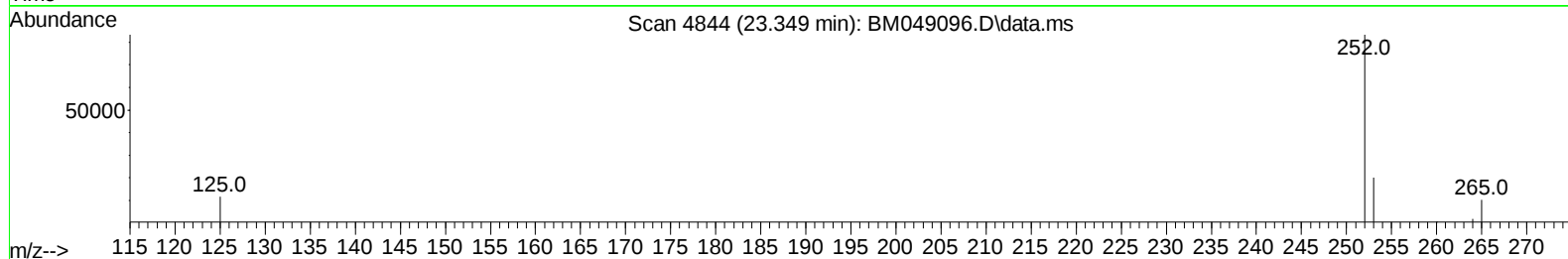
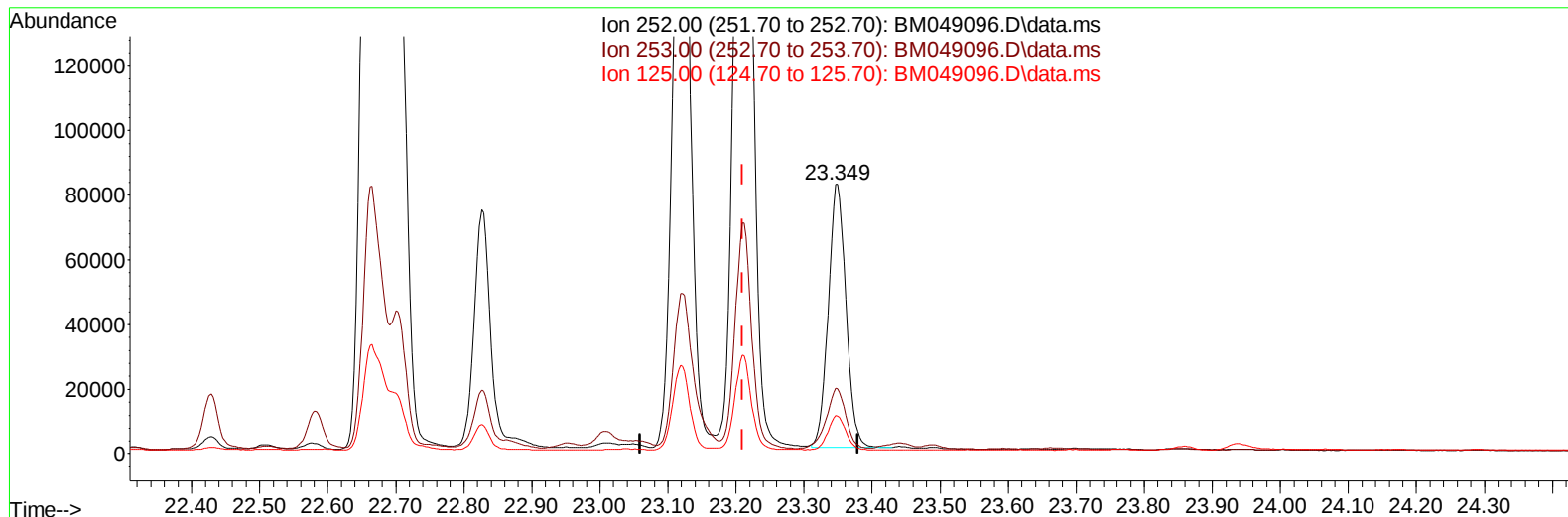
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049096.D
Acq On : 20 Dec 2024 12:03
Operator : RC/JU
Sample : P5265-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 12:32:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BM049096.D\data.ms

(26) Benzo(a)pyrene (C)

23.349min (+ 0.140) 2.61 ng/u1

response 146303

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.00	24.20
125.00	18.50	14.10#
0.00	0.00	0.00

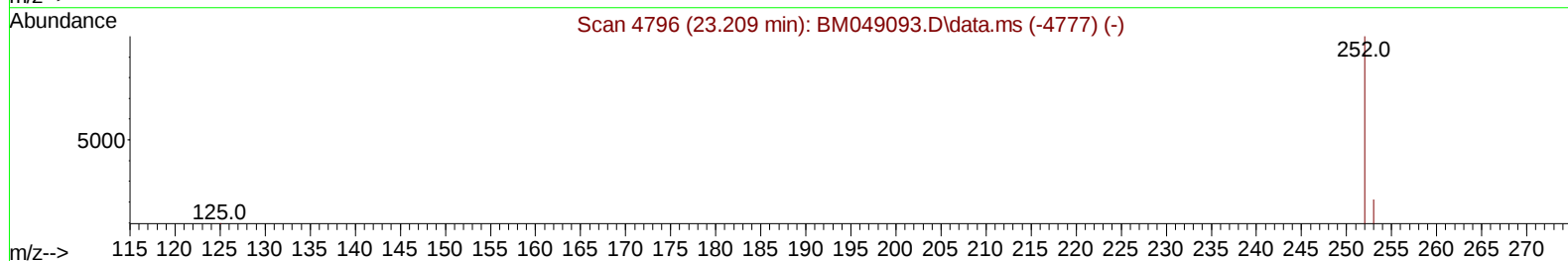
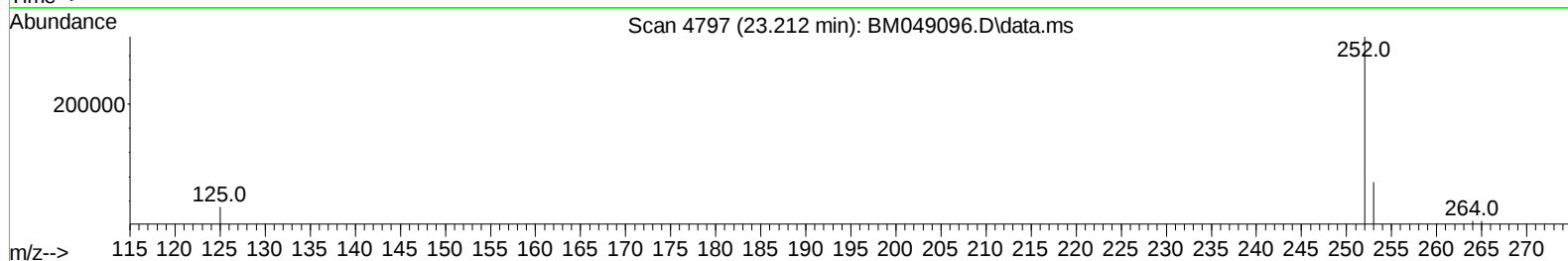
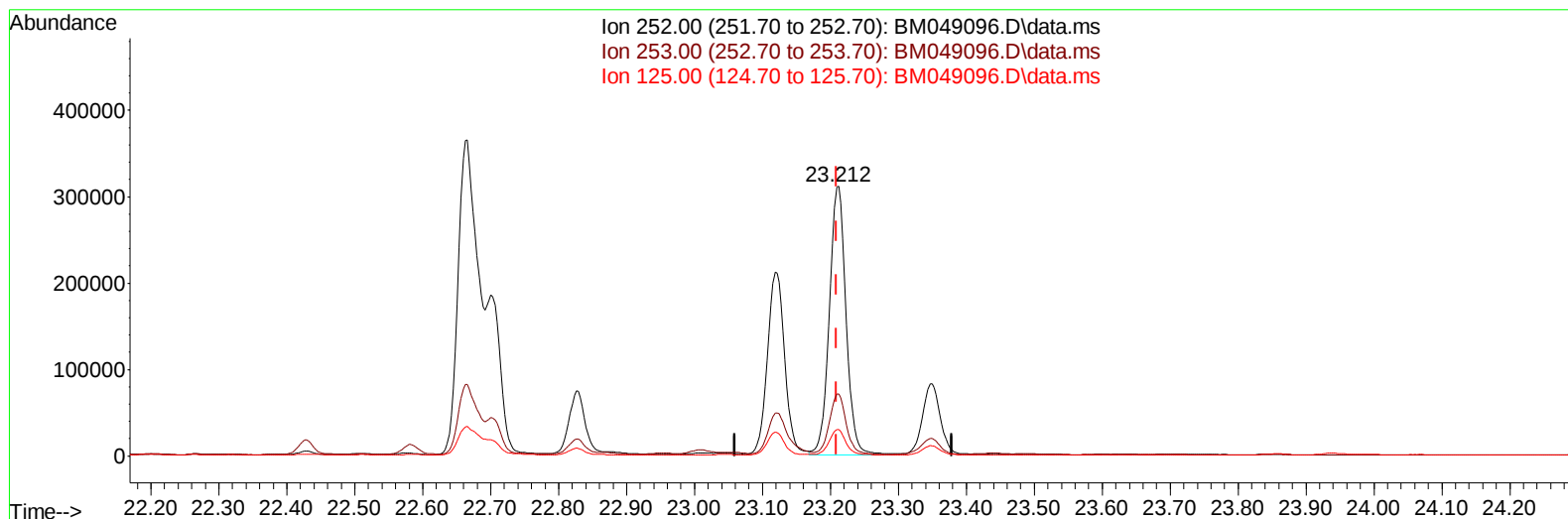
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049096.D
Acq On : 20 Dec 2024 12:03
Operator : RC/JU
Sample : P5265-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 12:32:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BM049096.D\data.ms

(26) Benzo(a)pyrene (C)

23.212min (+ 0.003) 9.48 ng/ul m

response 531878

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.00	22.92
125.00	18.50	9.71#
0.00	0.00	0.00

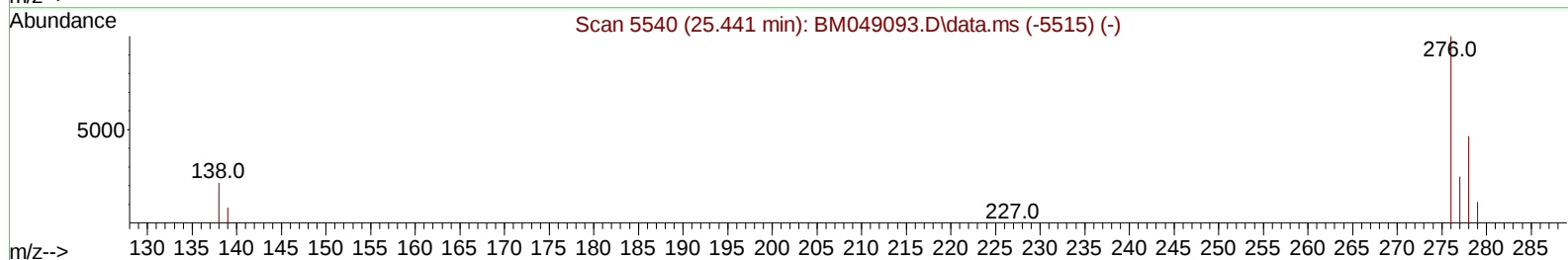
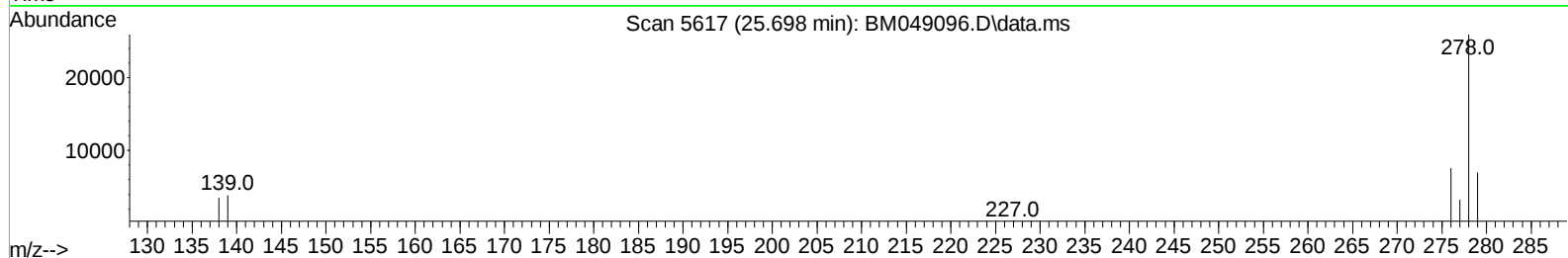
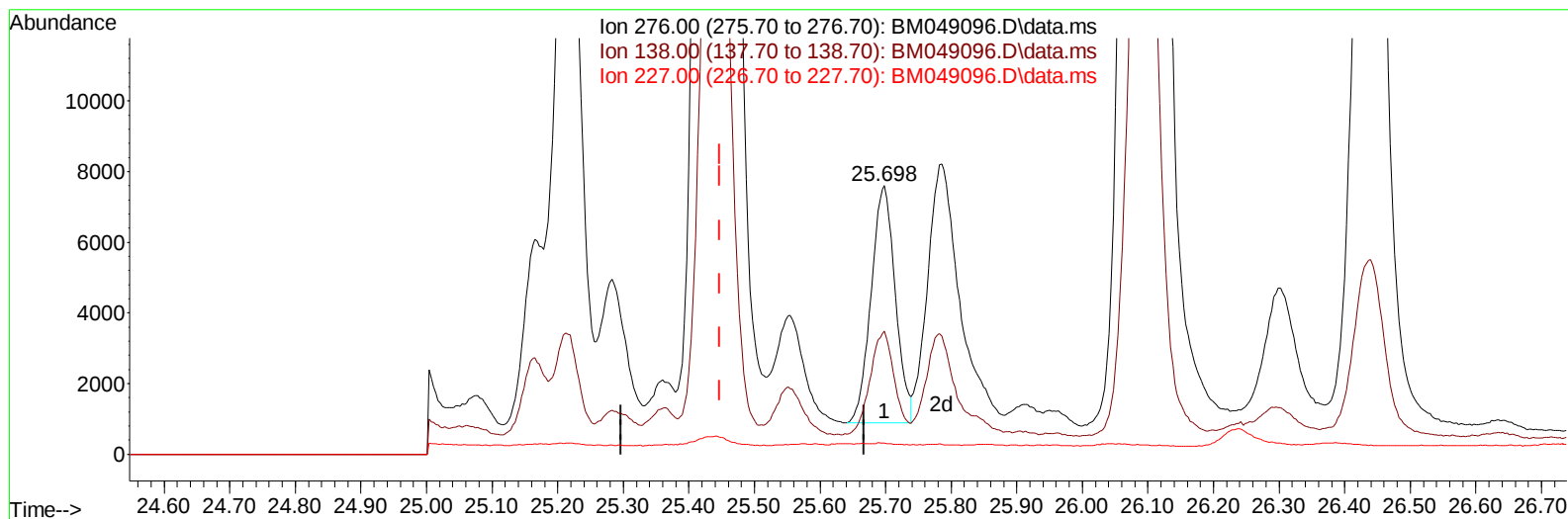
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
 Data File : BM049096.D
 Acq On : 20 Dec 2024 12:03
 Operator : RC/JU
 Sample : P5265-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28Y8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 12:32:25 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 18 15:33:13 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2024
 Supervised By :mohammad ahmed 12/24/2024



TIC: BM049096.D\data.ms

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

25.698min (+ 0.251) 0.22 ng/u1

response 17252

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	21.80	44.20#
227.00	0.20	0.77#
0.00	0.00	0.00

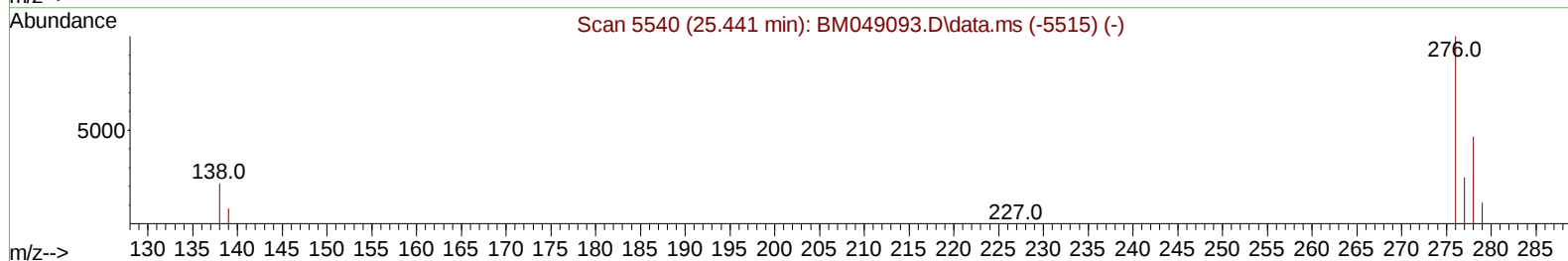
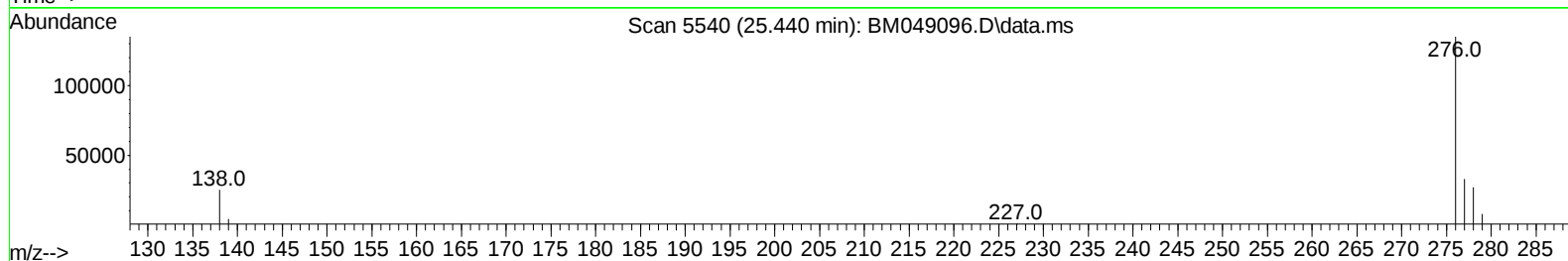
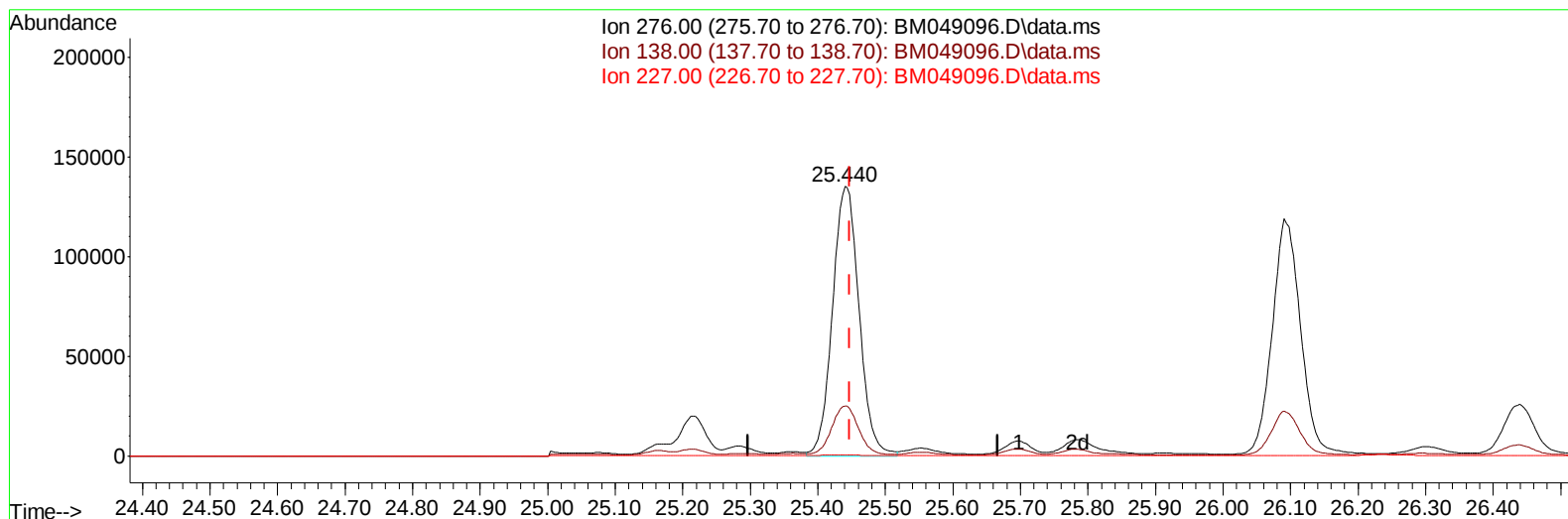
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049096.D
Acq On : 20 Dec 2024 12:03
Operator : RC/JU
Sample : P5265-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 12:32:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BM049096.D\data.ms

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

25.440min (-0.007) 4.66 ng/u1 m

response 369779

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	21.80	2.06#
227.00	0.20	0.04#
0.00	0.00	0.00

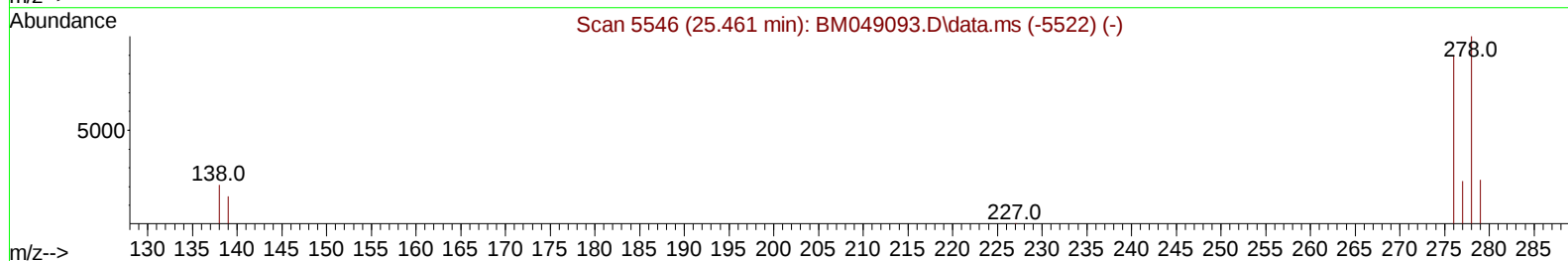
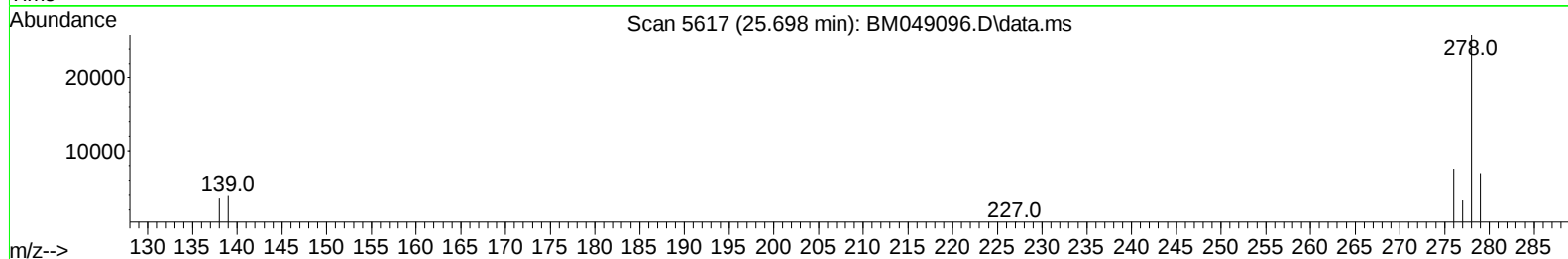
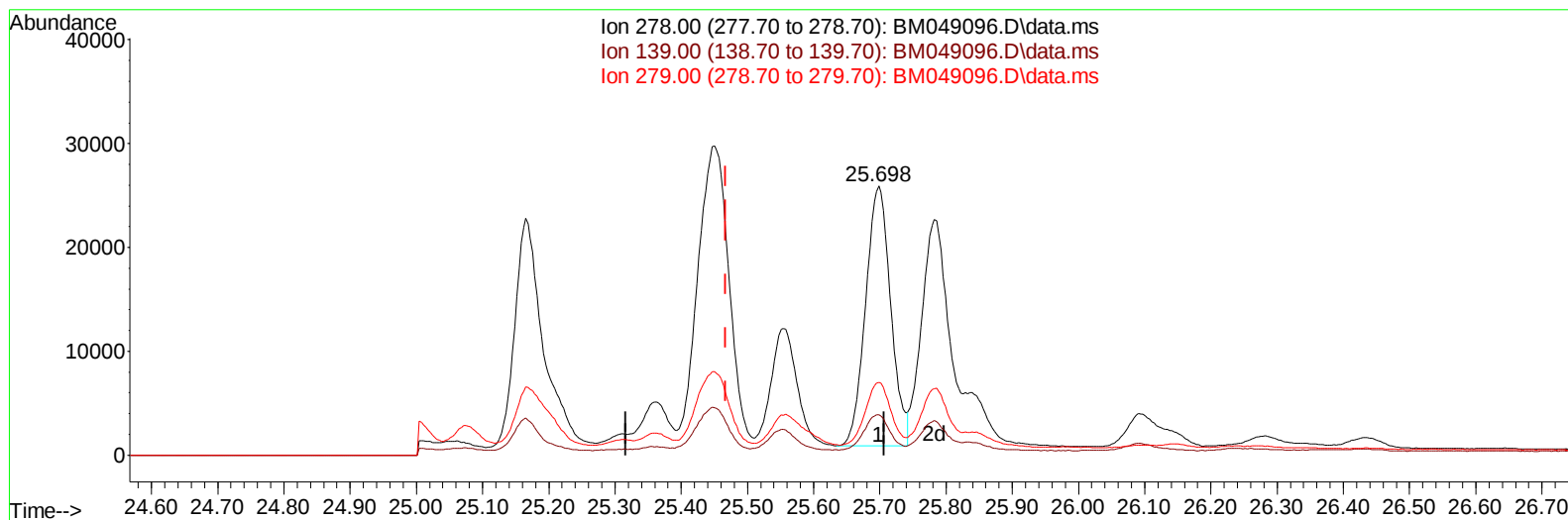
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049096.D
Acq On : 20 Dec 2024 12:03
Operator : RC/JU
Sample : P5265-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 12:32:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
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QLast Update : Wed Dec 18 15:33:13 2024
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TIC: BM049096.D\data.ms

(28) Dibenzo(a,h)anthracene

25.698min (+ 0.231) 1.08 ng/u1

response 66327

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	16.90	15.06
279.00	26.90	27.07
0.00	0.00	0.00

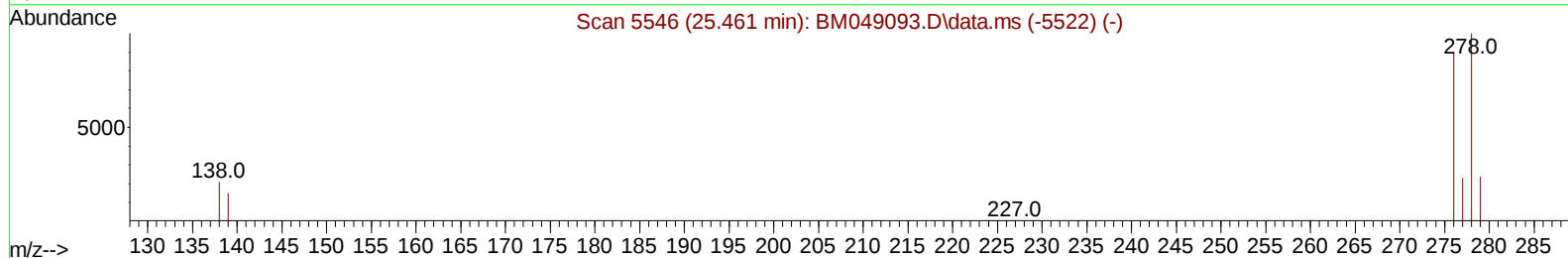
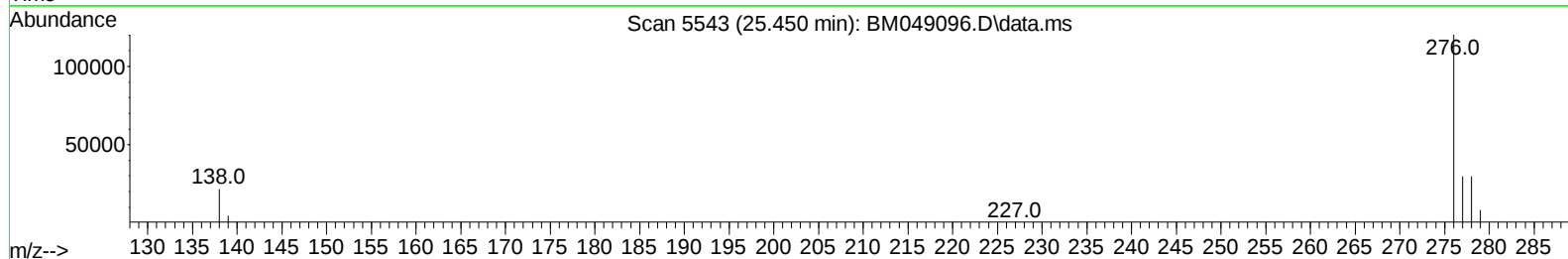
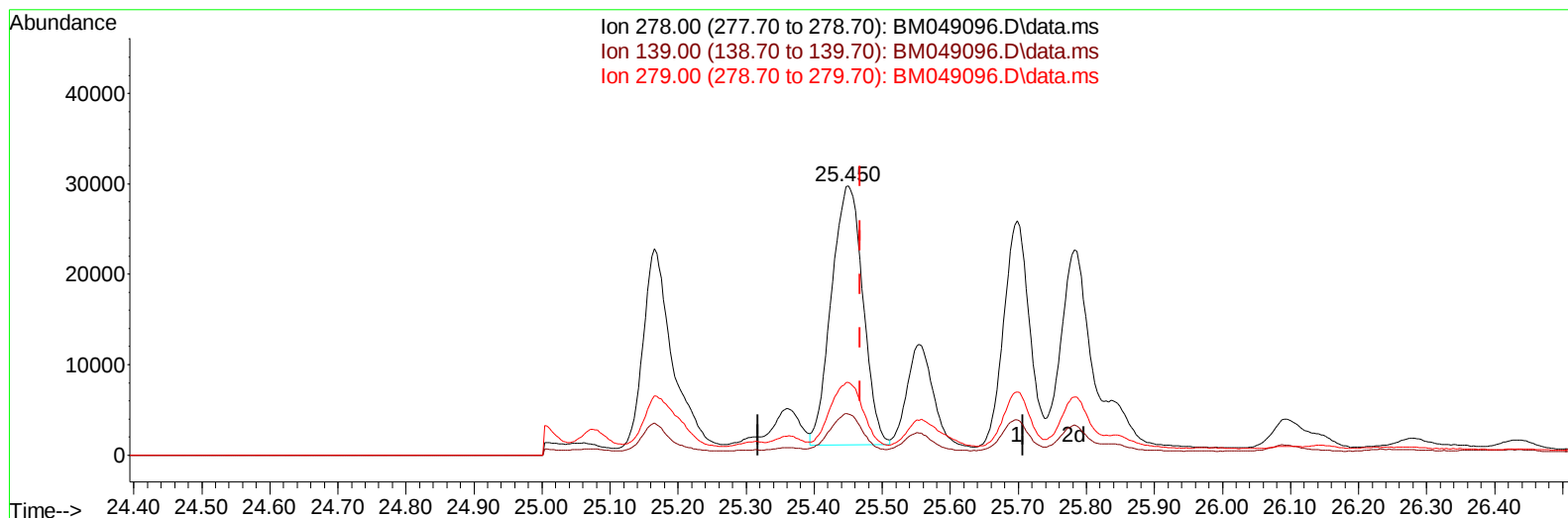
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049096.D
Acq On : 20 Dec 2024 12:03
Operator : RC/JU
Sample : P5265-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 12:32:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
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QLast Update : Wed Dec 18 15:33:13 2024
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Supervised By :mohammad ahmed 12/24/2024



TIC: BM049096.D\data.ms

(28) Dibenzo(a,h)anthracene

25.450min (-0.017) 1.49 ng/ul m

response 92003

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	16.90	15.27
279.00	26.90	26.98
0.00	0.00	0.00

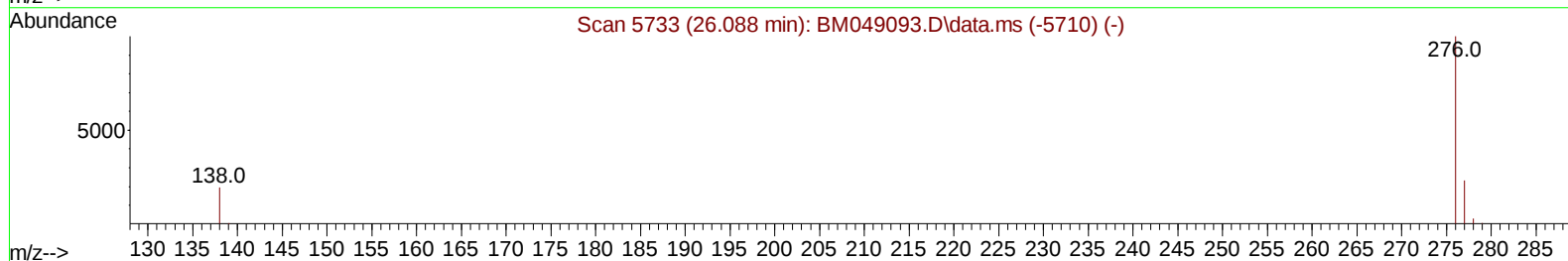
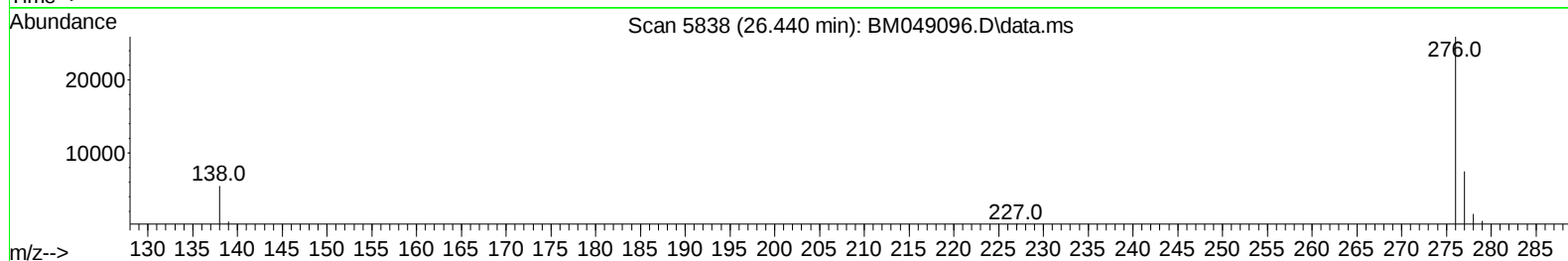
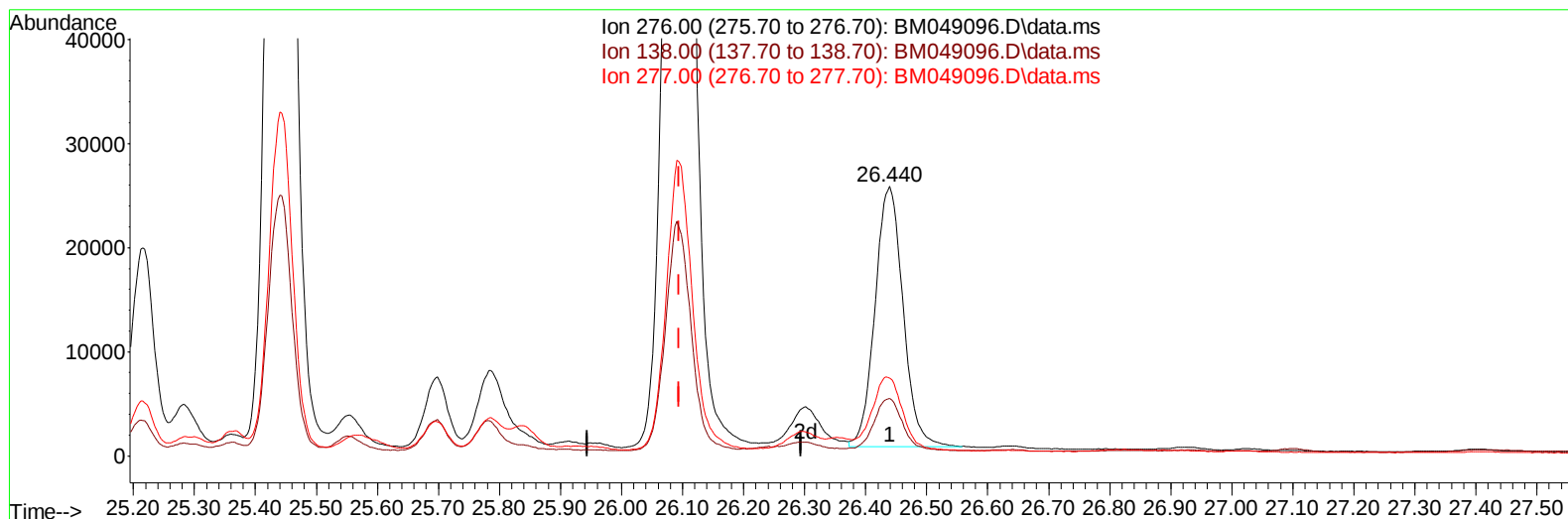
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049096.D
Acq On : 20 Dec 2024 12:03
Operator : RC/JU
Sample : P5265-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 12:32:25 2024
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TIC: BM049096.D\data.ms

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

26.440min (+ 0.345) 1.25 ng/u1

response 79656

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	20.90	21.29
277.00	24.90	29.00
0.00	0.00	0.00

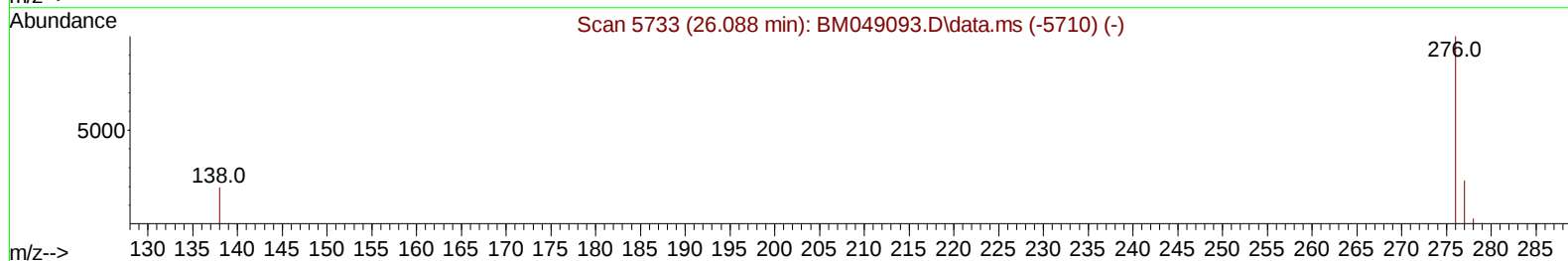
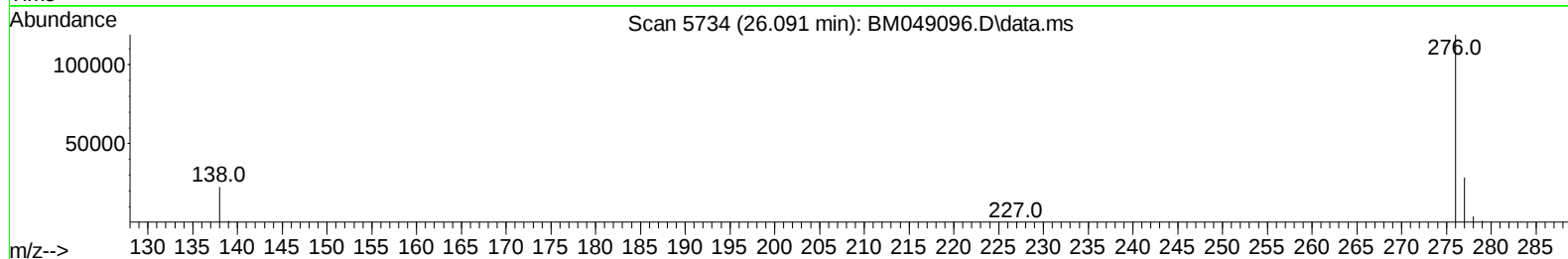
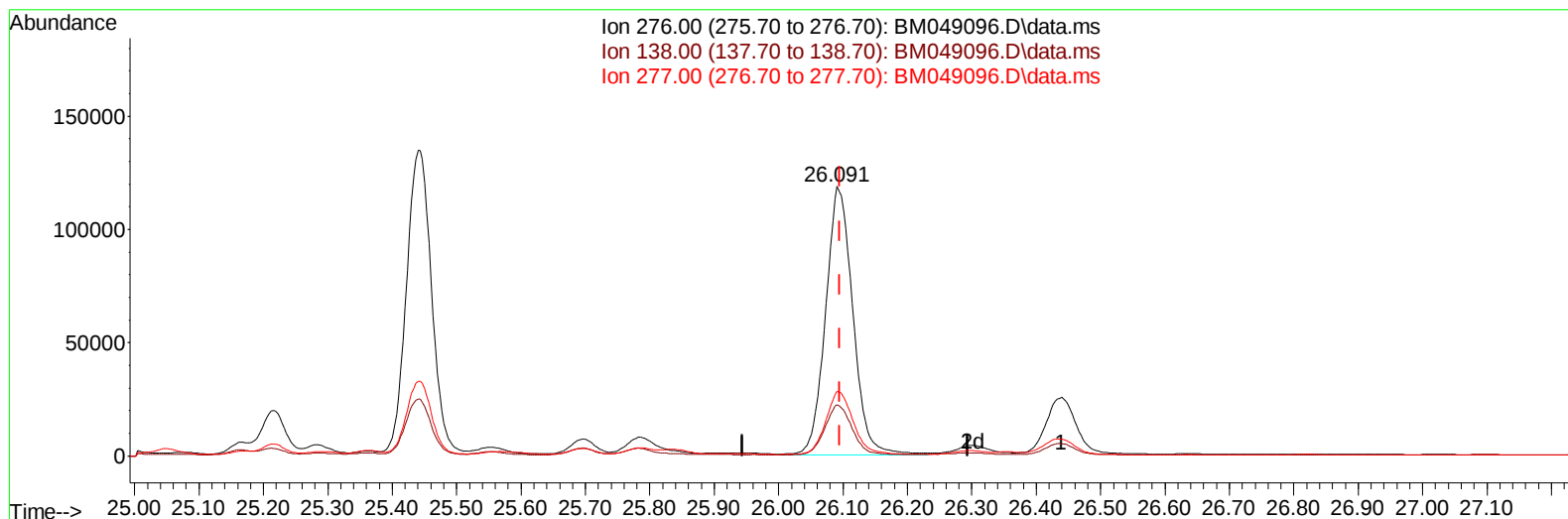
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049096.D
Acq On : 20 Dec 2024 12:03
Operator : RC/JU
Sample : P5265-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 12:32:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
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TIC: BM049096.D\data.ms

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

26.091min (-0.004) 5.50 ng/ul m

response 350865

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	20.90	18.95
277.00	24.90	23.87
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
 Data File : BM049096.D
 Acq On : 20 Dec 2024 12:03
 Operator : RC/JU
 Sample : P5265-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28Y8

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
 Supervised By :mohammad ahmed 12/24/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.560	152	6635	0.400	ng/ul	0.00
4) Naphthalene-d8	10.321	136	19933	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.197	164	11031	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.943	188	25026m	0.400	ng/ul	0.00
17) Chrysene-d12	21.143	240	17513m	0.400	ng/ul	0.00
23) Perylene-d12	23.303	264	18304m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.151	96	32875	4.296	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.921	152	7769	0.290	ng/ul	0.00
18) Fluoranthene-d10	18.979	212	14253m	0.287	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.370	128	7404	0.148	ng/ul	97
7) 2-Methylnaphthalene	11.992	142	5864	0.186	ng/ul	99
8) 1-Methylnaphthalene	12.218	142	4214	0.130	ng/ul	100
10) Acenaphthylene	13.910	152	179127	3.918	ng/ul	99
11) Acenaphthene	14.257	153	7111	0.213	ng/ul	97
12) Fluorene	15.252	166	11536	0.306	ng/ul#	96
15) Phenanthrene	16.985	178	210568m	3.221	ng/ul	
16) Anthracene	17.074	178	115216m	1.920	ng/ul	
19) Fluoranthene	19.007	202	1182244m	18.671	ng/ul	
20) Pyrene	19.374	202	1059058m	15.683	ng/ul	
21) Benzo(a)anthracene	21.128	228	621801m	10.207	ng/ul	
22) Chrysene	21.181	228	547770m	8.379	ng/ul	
24) Benzo(b)fluoranthene	22.665	252	740749m	12.667	ng/ul	
25) Benzo(k)fluoranthene	22.700	252	264758m	4.126	ng/ul	
26) Benzo(a)pyrene	23.212	252	531878m	9.484	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.440	276	369779m	4.659	ng/ul	
28) Dibenzo(a,h)anthracene	25.450	278	92003m	1.492	ng/ul	
29) Benzo(g,h,i)perylene	26.091	276	350865m	5.497	ng/ul	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049096.D
Acq On : 20 Dec 2024 12:03
Operator : RC/JU
Sample : P5265-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 12:32:25 2024
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