

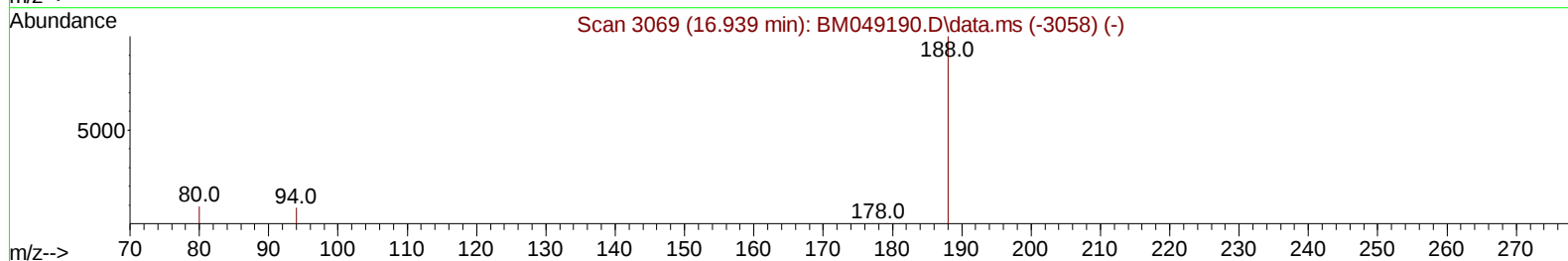
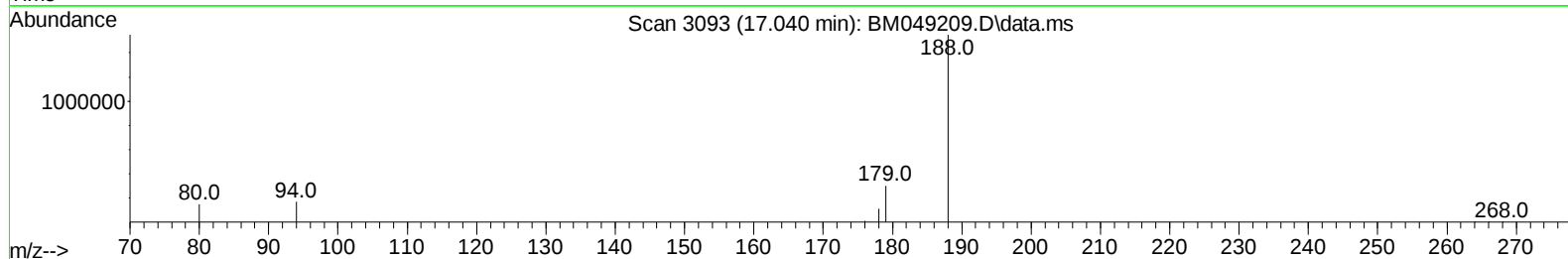
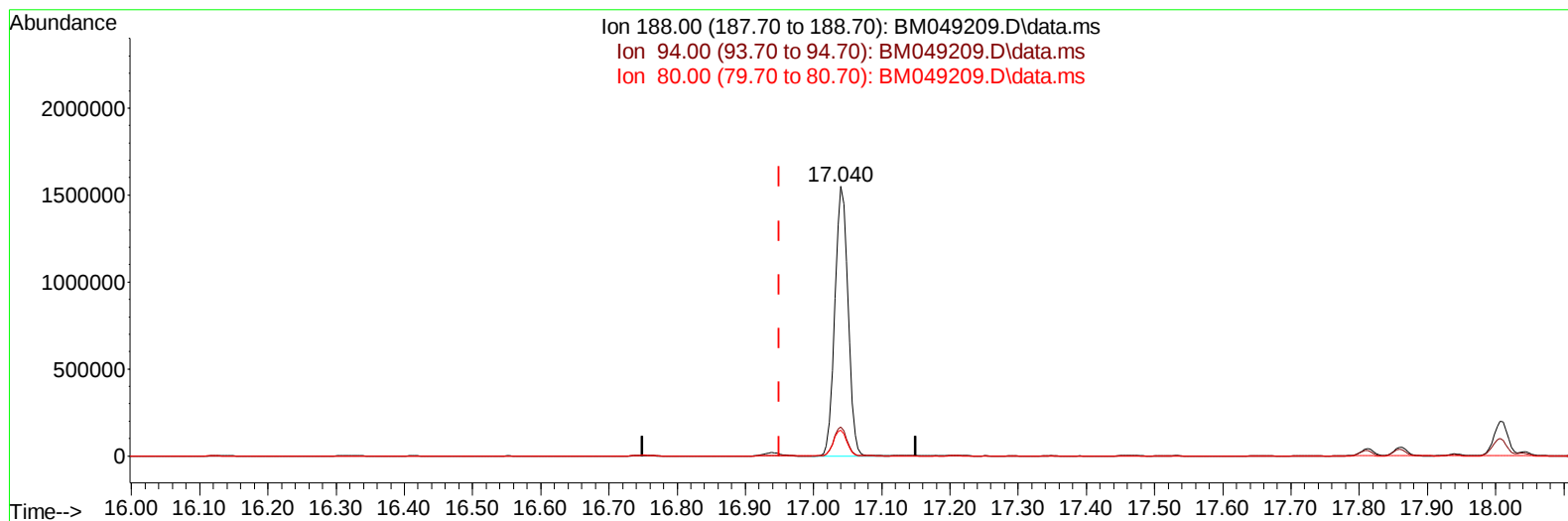
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049209.D
Acq On : 25 Dec 2024 06:45
Operator : RC/JU
Sample : P5333-11
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2913

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 25 07:11:25 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: BM049209.D\data.ms

(13) Phenanthrene-d10 (I)**17.040min (+ 0.090) 0.40 ng/u1****response 2092511**

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	10.78
80.00	10.70	9.64
0.00	0.00	0.00

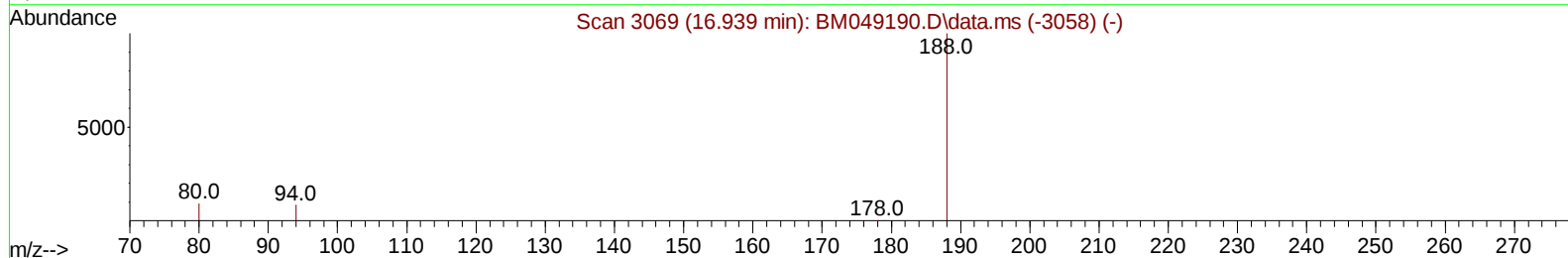
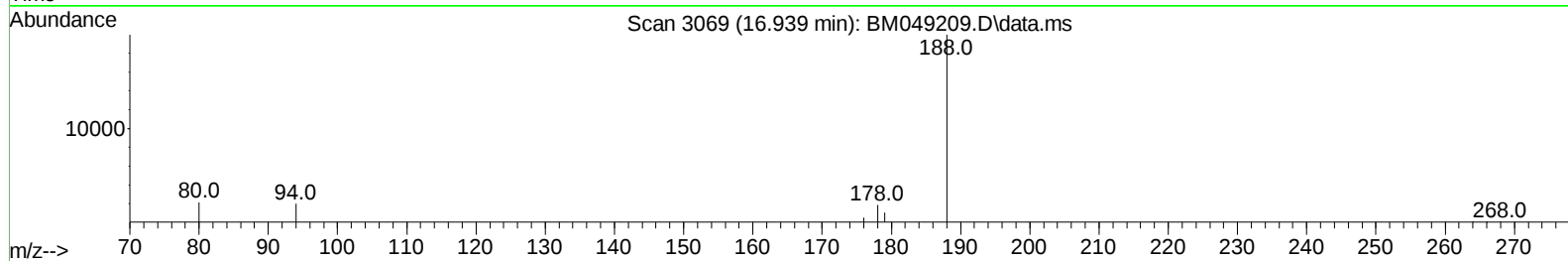
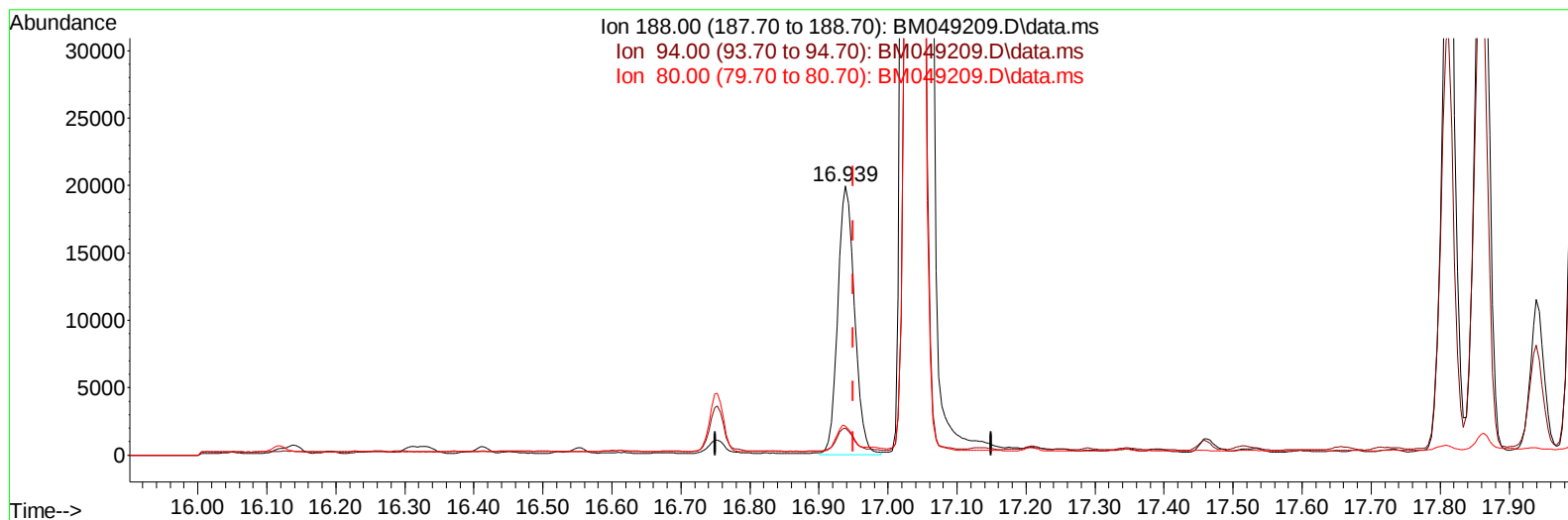
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049209.D
Acq On : 25 Dec 2024 06:45
Operator : RC/JU
Sample : P5333-11
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2913

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:11:25 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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Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049209.D\data.ms

(13) Phenanthrene-d10 (I)

16.939min (-0.011) 0.40 ng/ul m

response 33615

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	10.06
80.00	10.70	10.87
0.00	0.00	0.00

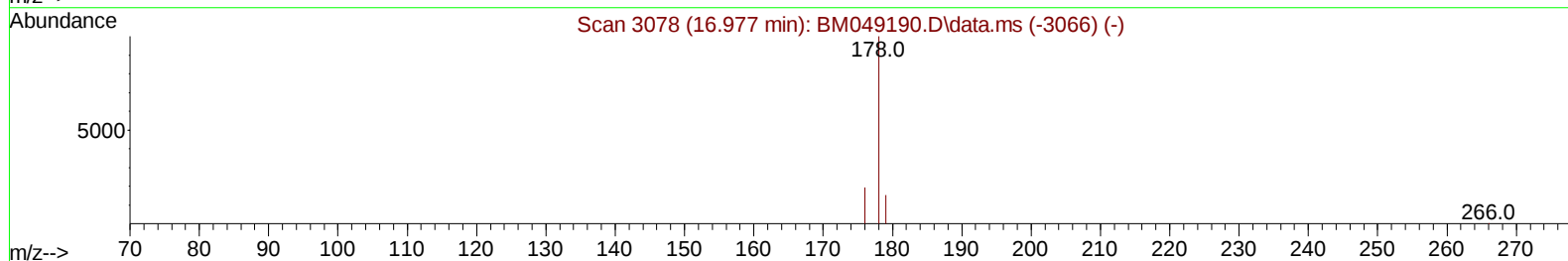
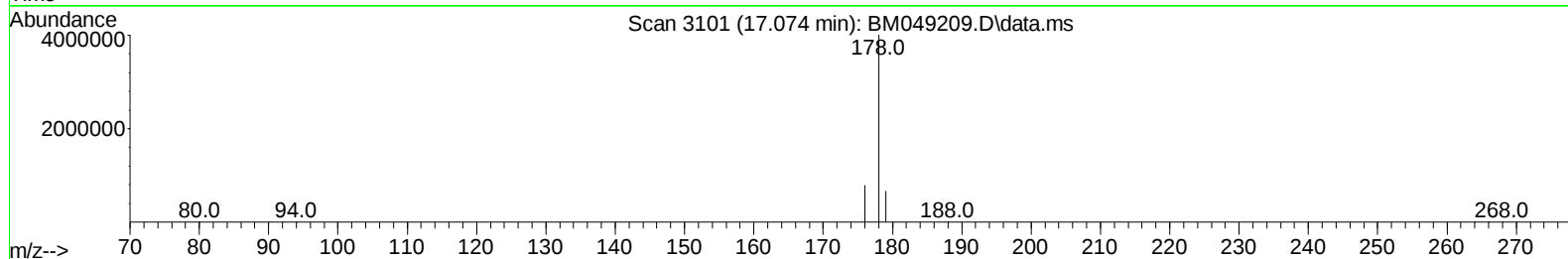
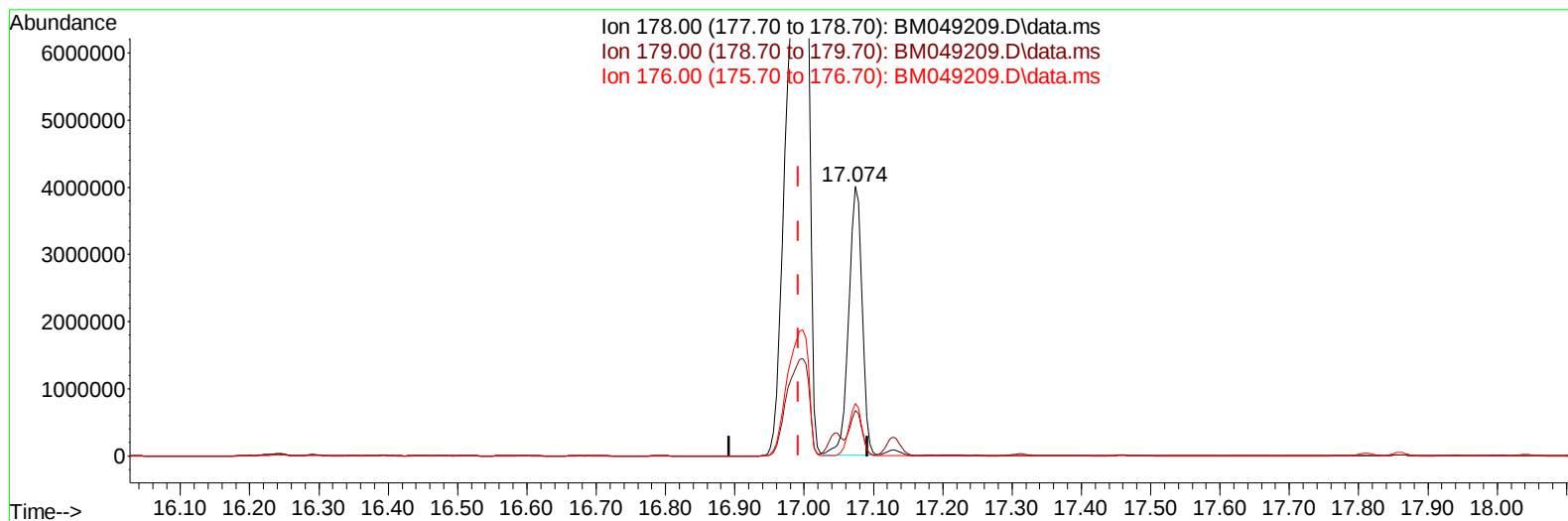
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049209.D
Acq On : 25 Dec 2024 06:45
Operator : RC/JU
Sample : P5333-11
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2913

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:11:25 2024
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QLast Update : Wed Dec 18 15:33:13 2024
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Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049209.D\data.ms

(15) Phenanthrene

17.074min (+ 0.082) 61.00 ng/u1

response 5355627

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	16.79
176.00	20.20	19.56
0.00	0.00	0.00

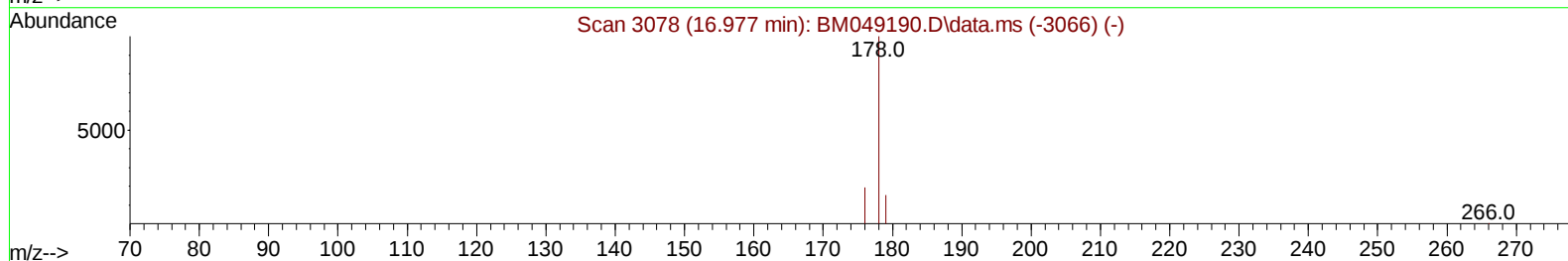
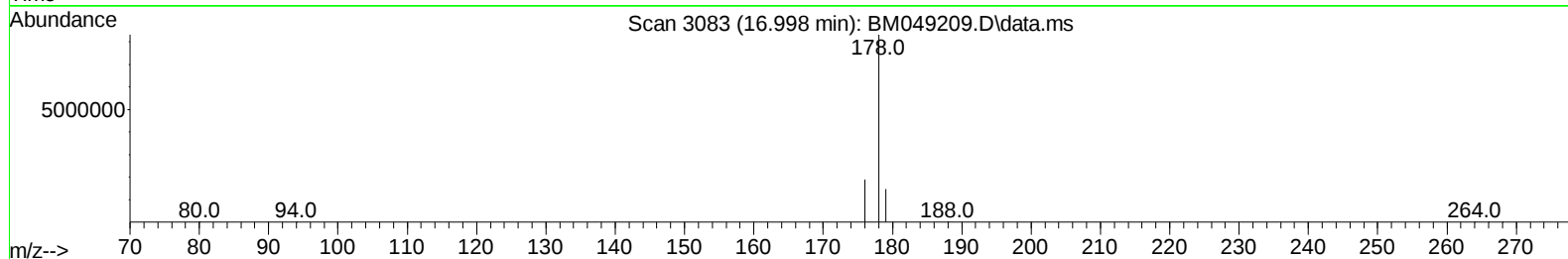
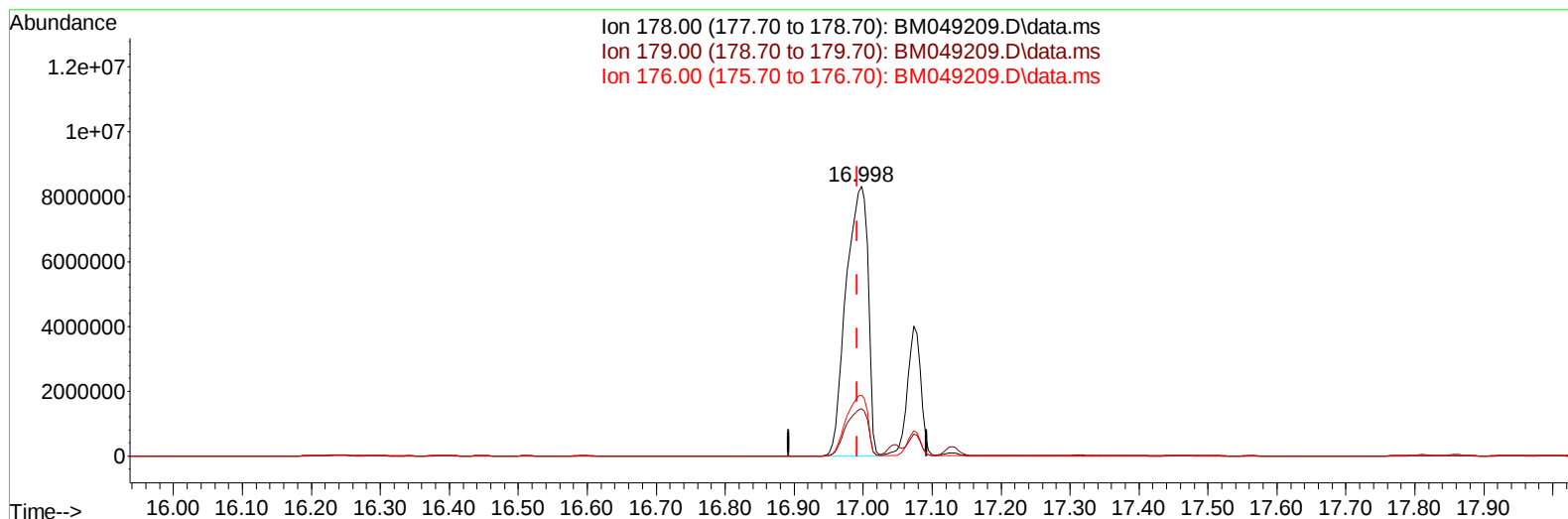
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049209.D
Acq On : 25 Dec 2024 06:45
Operator : RC/JU
Sample : P5333-11
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2913

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:11:25 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 :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049209.D\data.ms

(15) Phenanthrene

16.998min (+ 0.006) 209.49 ng/u1 m

response 18392706

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	17.49
176.00	20.20	22.60
0.00	0.00	0.00

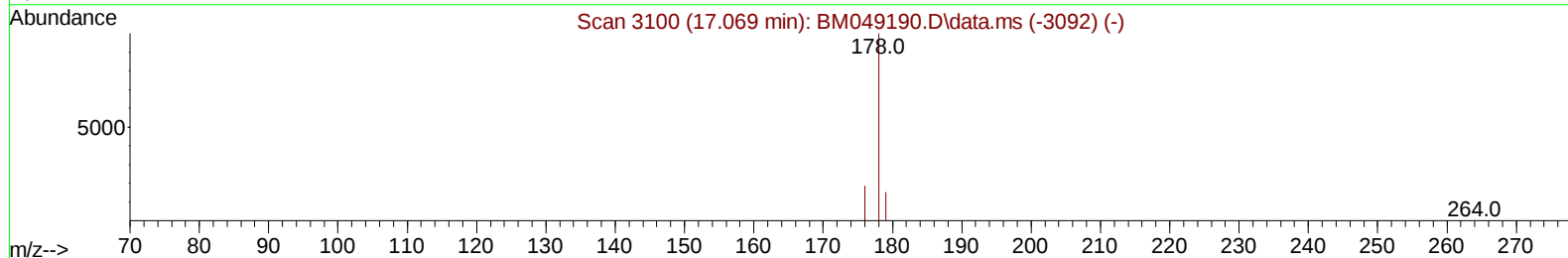
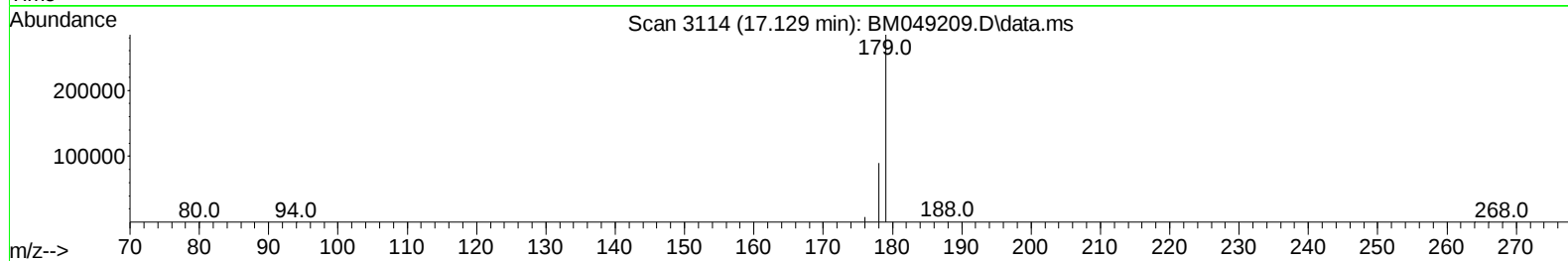
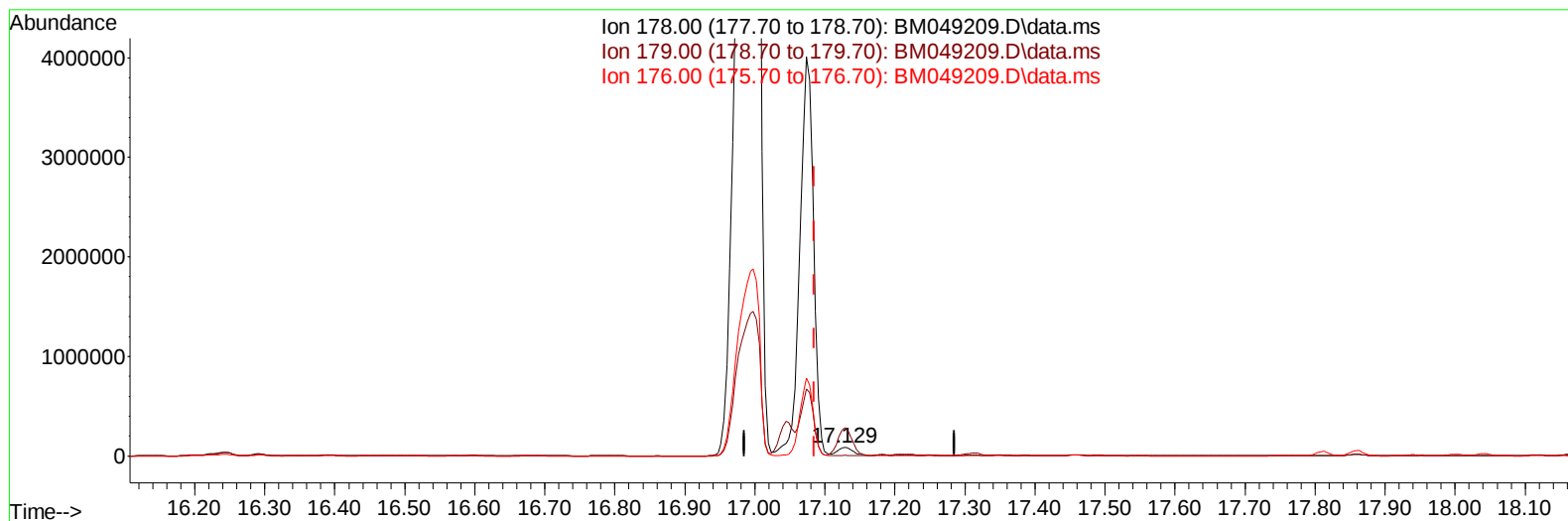
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049209.D
Acq On : 25 Dec 2024 06:45
Operator : RC/JU
Sample : P5333-11
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2913

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:11:25 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 :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049209.D\data.ms

(16) Anthracene

17.129min (+ 0.044) 1.48 ng/u1

response 119331

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	316.10#
176.00	19.10	8.31#
0.00	0.00	0.00

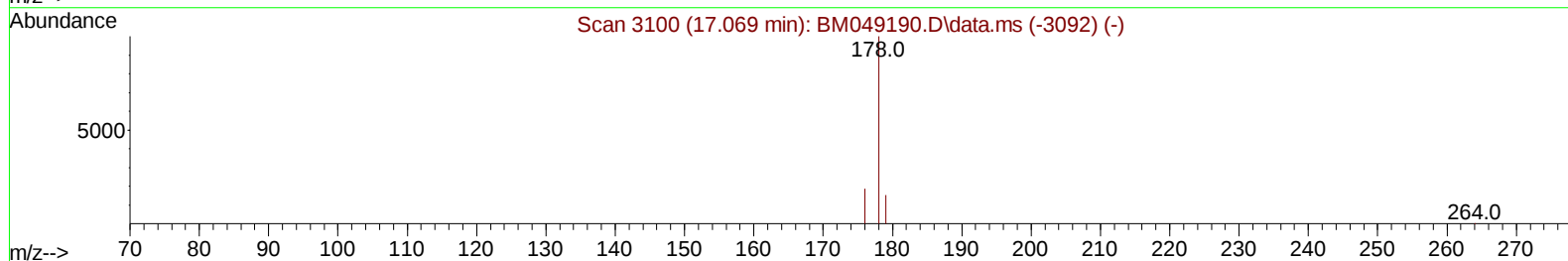
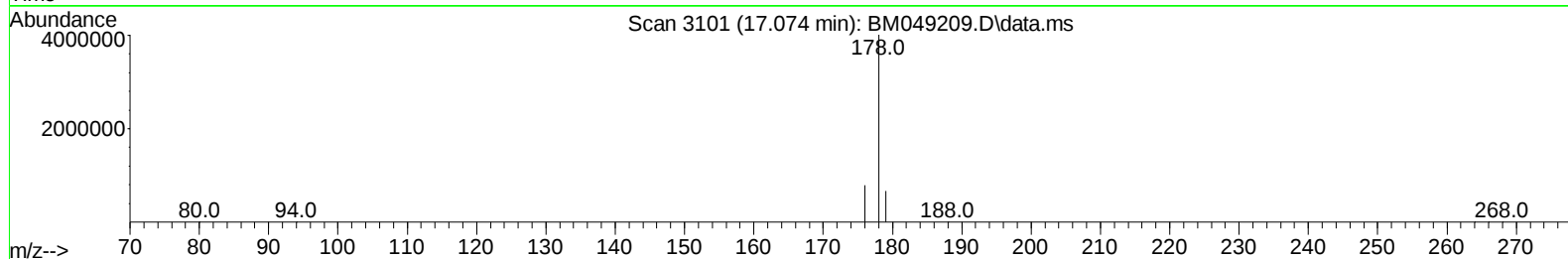
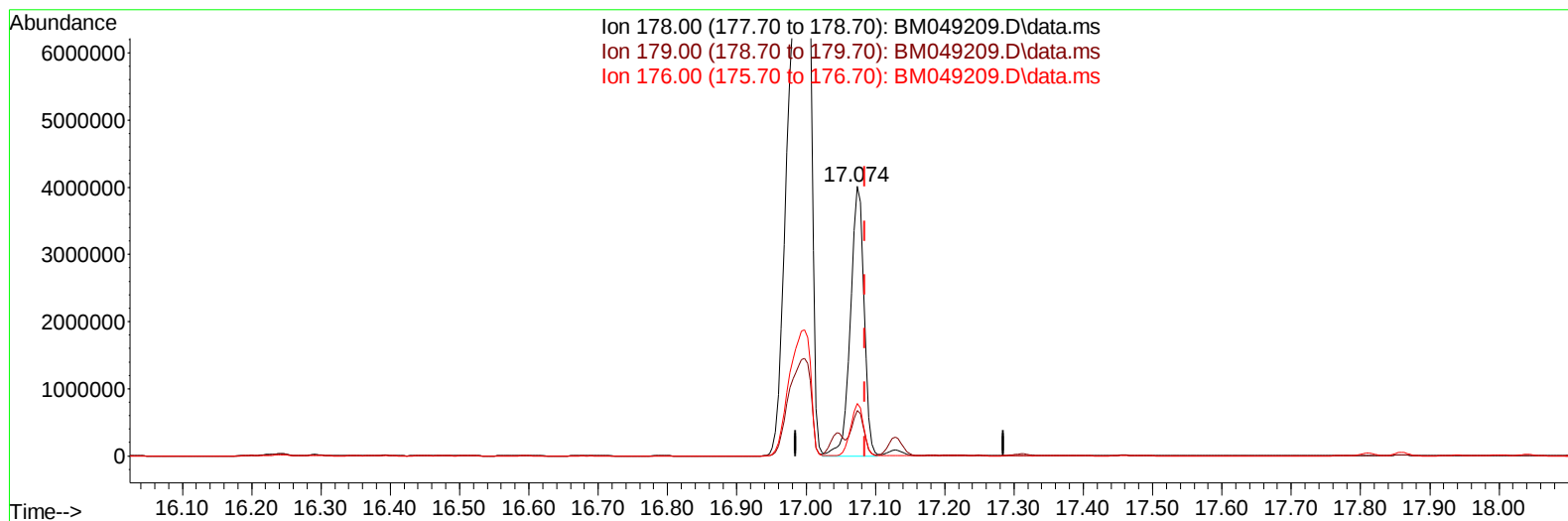
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049209.D
Acq On : 25 Dec 2024 06:45
Operator : RC/JU
Sample : P5333-11
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2913

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:11:25 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 :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049209.D\data.ms

(16) Anthracene

17.074min (-0.011) 67.60 ng/ul m

response 5447861

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	16.79
176.00	19.10	19.56
0.00	0.00	0.00

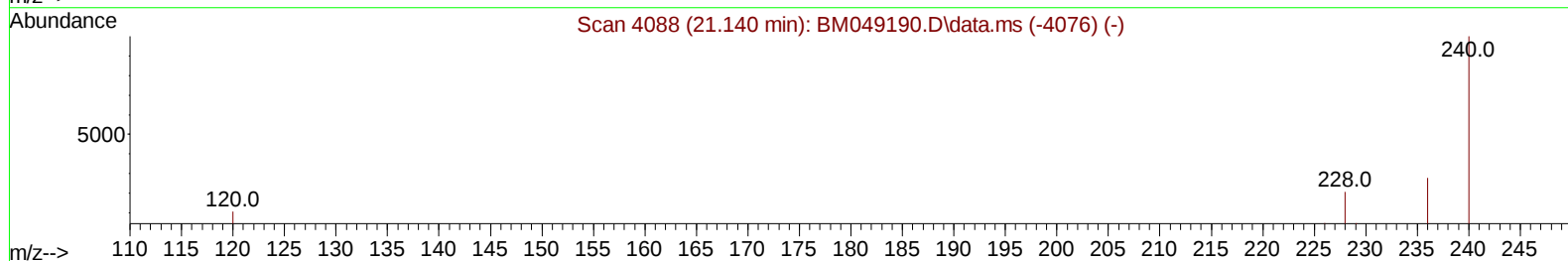
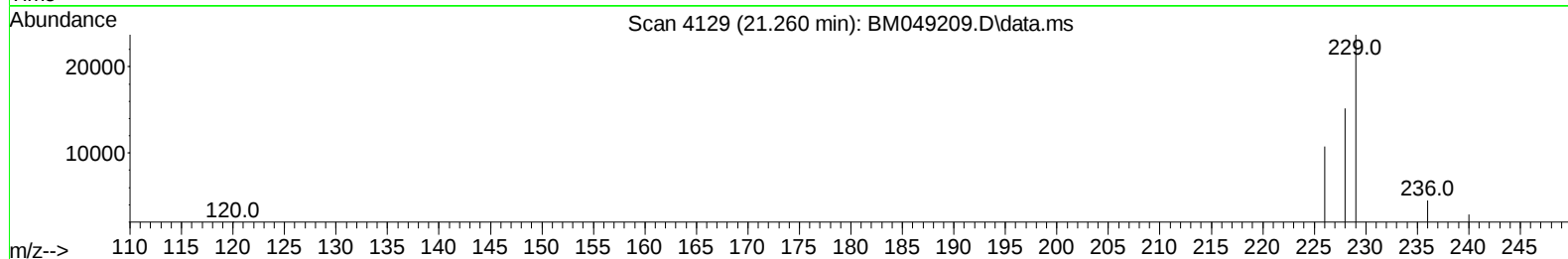
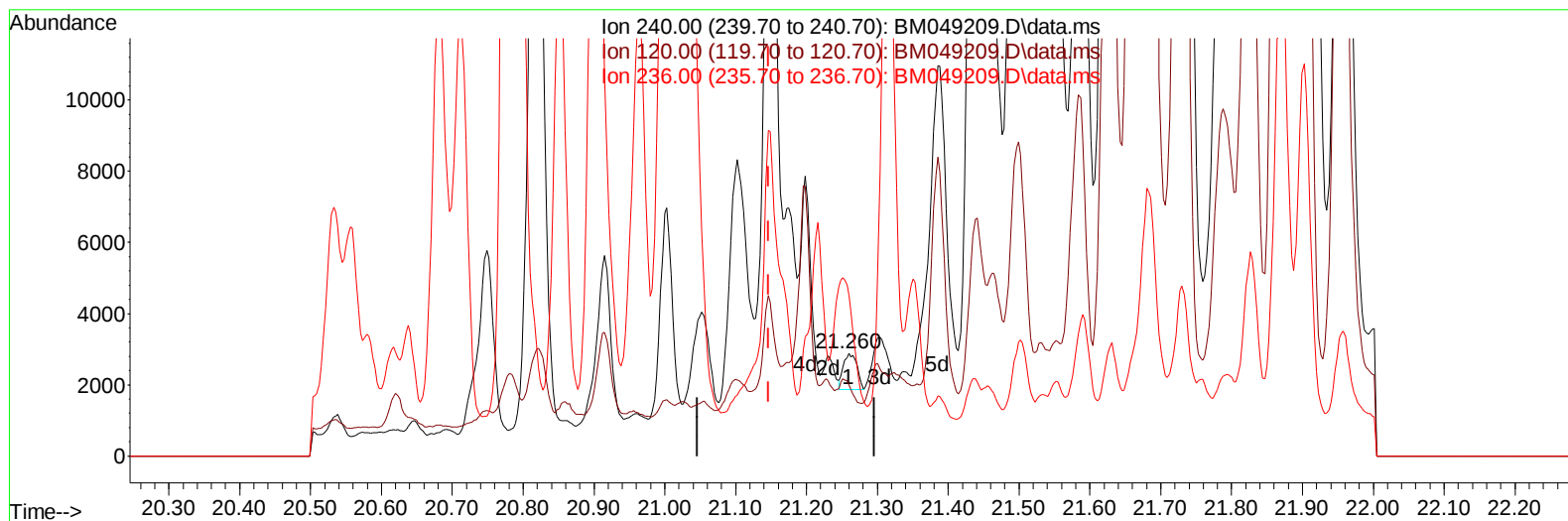
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049209.D
Acq On : 25 Dec 2024 06:45
Operator : RC/JU
Sample : P5333-11
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2913

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:11:25 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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Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049209.D\data.ms

(17) Chrysene-d12

21.260min (+ 0.114) 0.40 ng/u1

response 1350

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	14.50	69.15#
236.00	29.80	156.17#
0.00	0.00	0.00

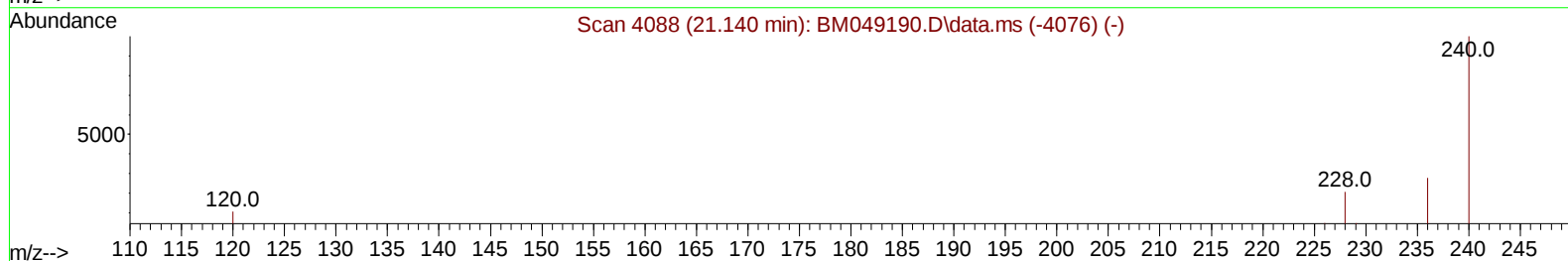
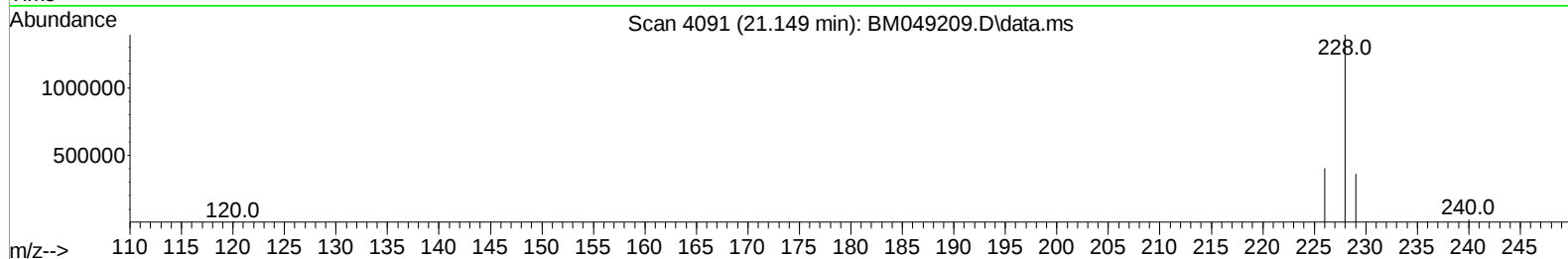
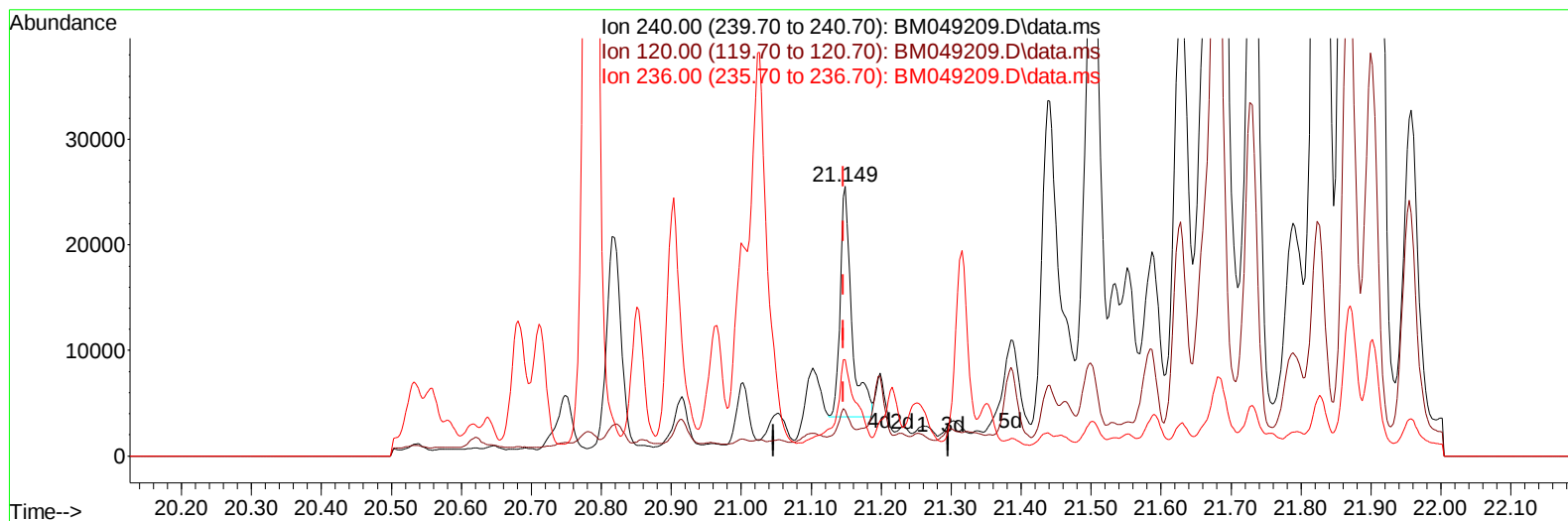
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049209.D
Acq On : 25 Dec 2024 06:45
Operator : RC/JU
Sample : P5333-11
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2913

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:11:25 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 :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049209.D\data.ms

(17) Chrysene-d12

21.149min (+ 0.003) 0.40 ng/ul m

response 25145

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	14.50	16.90
236.00	29.80	35.69
0.00	0.00	0.00

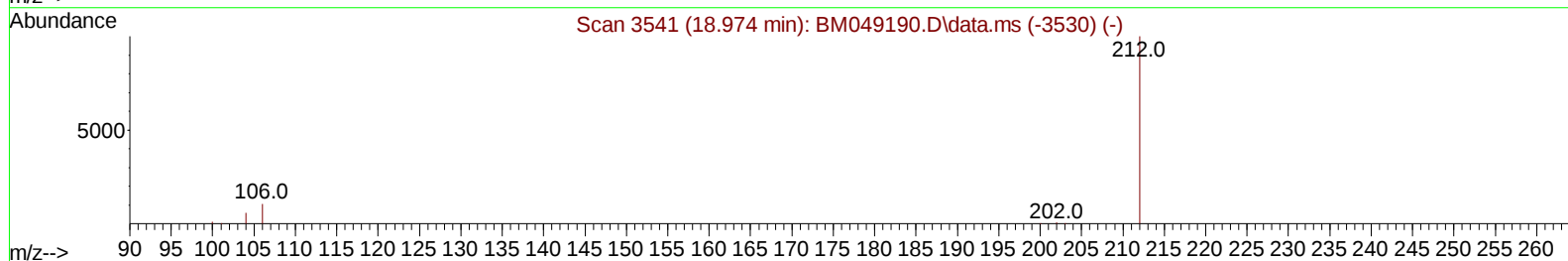
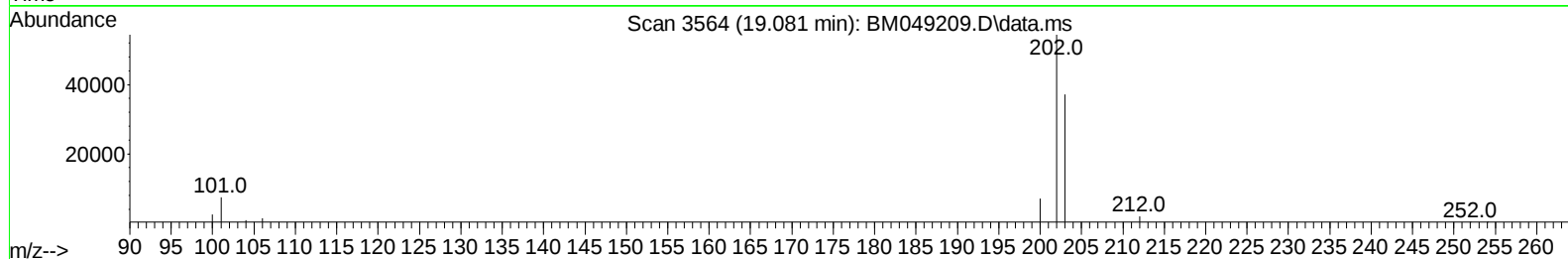
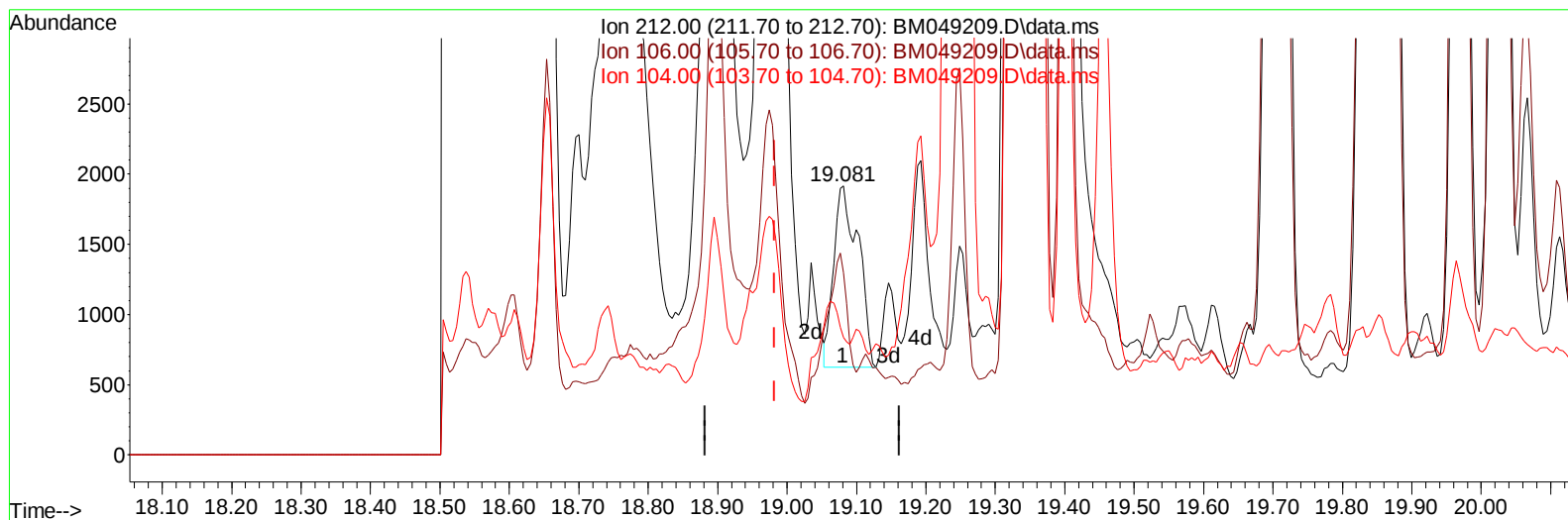
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049209.D
Acq On : 25 Dec 2024 06:45
Operator : RC/JU
Sample : P5333-11
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2913

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:11:25 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
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049209.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.081min (+ 0.099) 0.04 ng/u1

response 3183

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	11.60	73.58#
104.00	6.50	0.00#
0.00	0.00	0.00

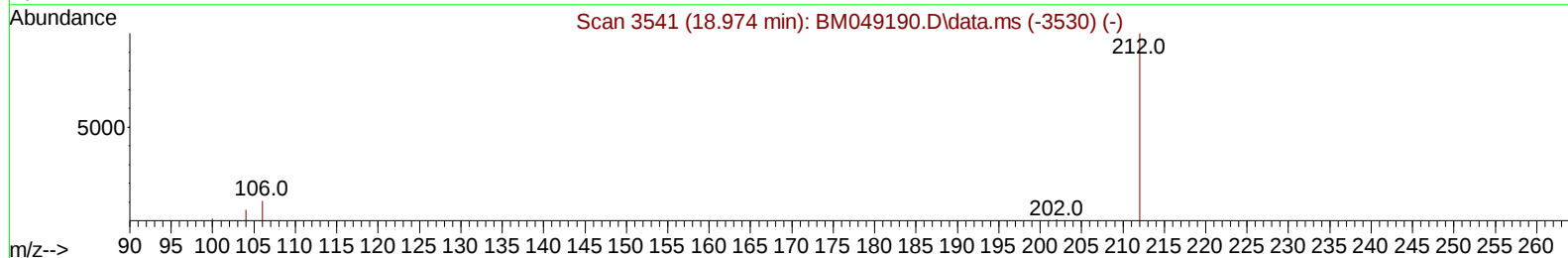
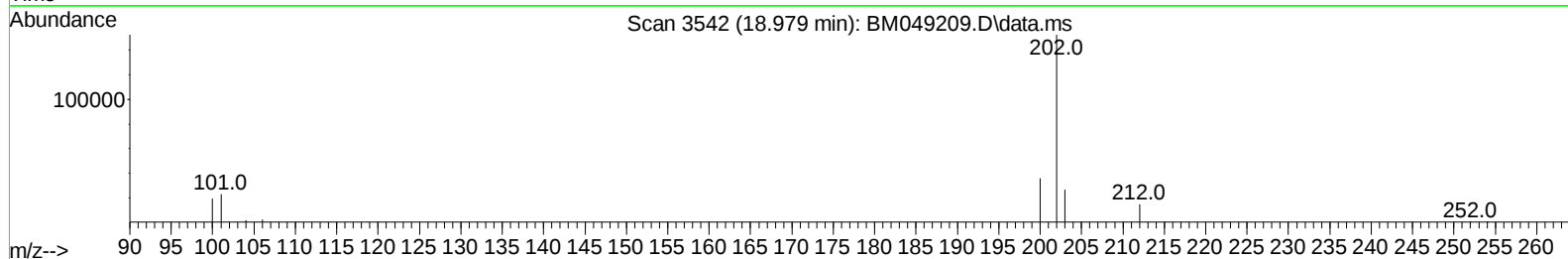
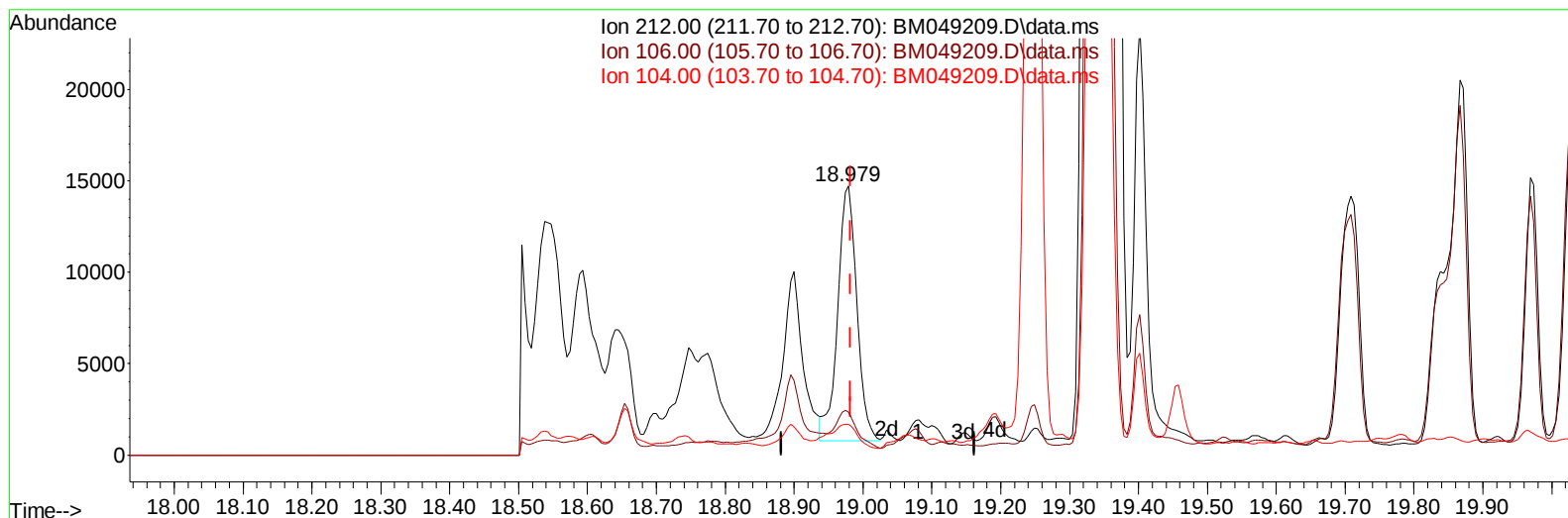
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049209.D
Acq On : 25 Dec 2024 06:45
Operator : RC/JU
Sample : P5333-11
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2913

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:11:25 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 :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049209.D\data.ms

(18) Fluoranthene-d10 (SURR)

18.979min (-0.003) 0.38 ng/ul m

response 26969

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	11.60	8.68#
104.00	6.50	0.00#
0.00	0.00	0.00

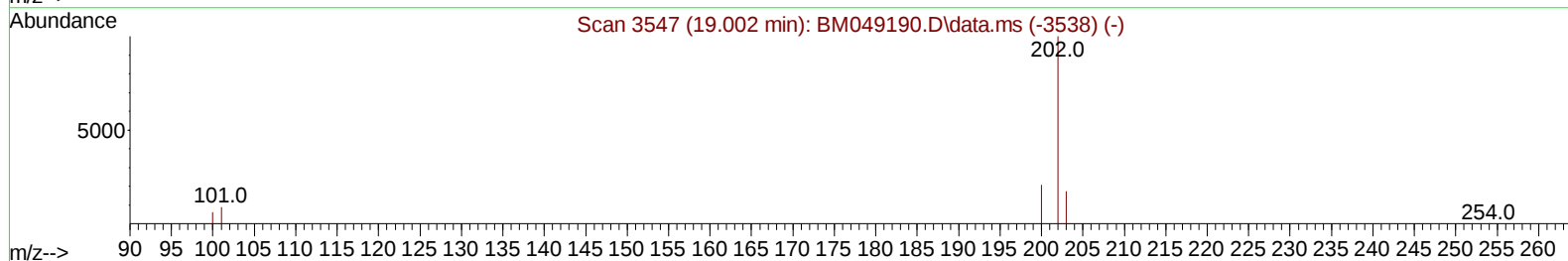
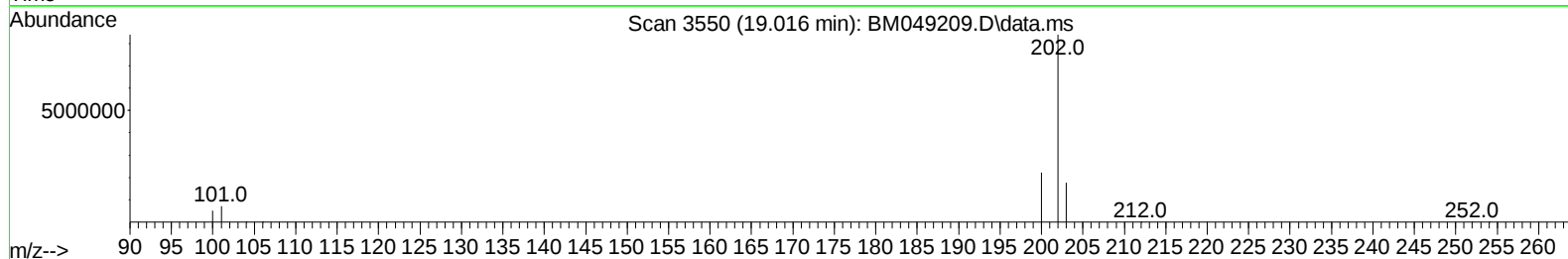
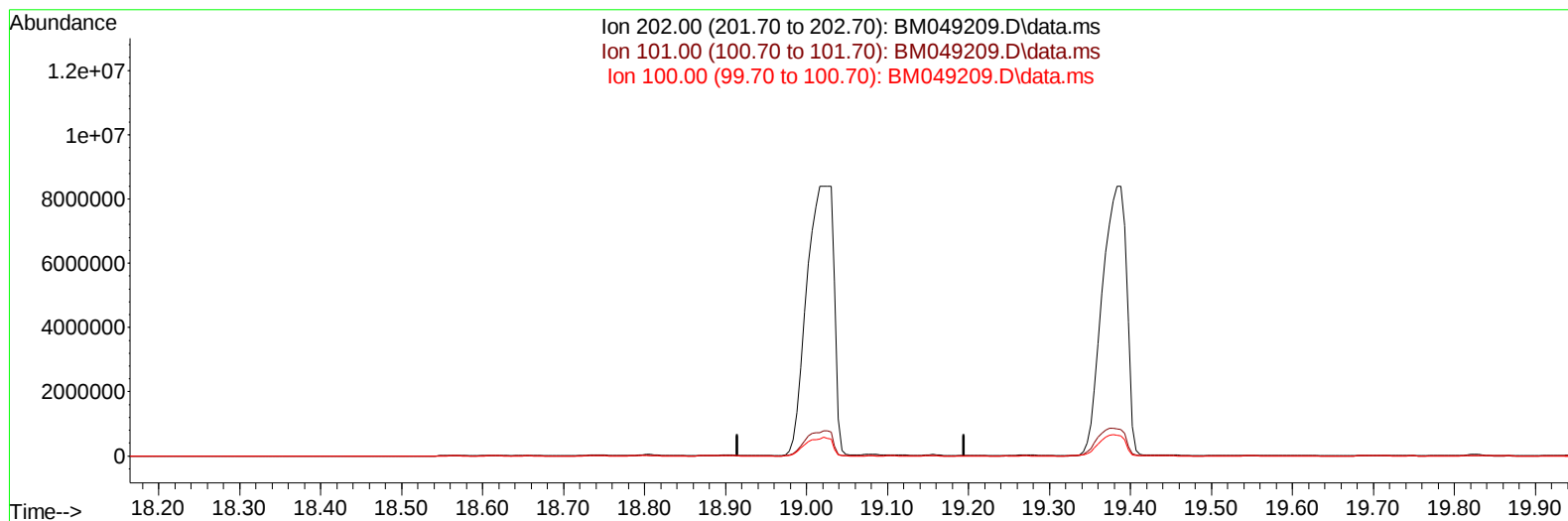
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049209.D
Acq On : 25 Dec 2024 06:45
Operator : RC/JU
Sample : P5333-11
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2913

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:11:25 2024
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Supervised By :mohammad ahmed 12/26/2024



TIC: BM049209.D\data.ms

(19) Fluoranthene (C)

19.015min (-19.015) 0.00 ng/u1

response 0

Ion	Exp%	Act%
202.00	100.00	0.00
101.00	9.50	0.00#
100.00	6.90	0.00#
0.00	0.00	0.00

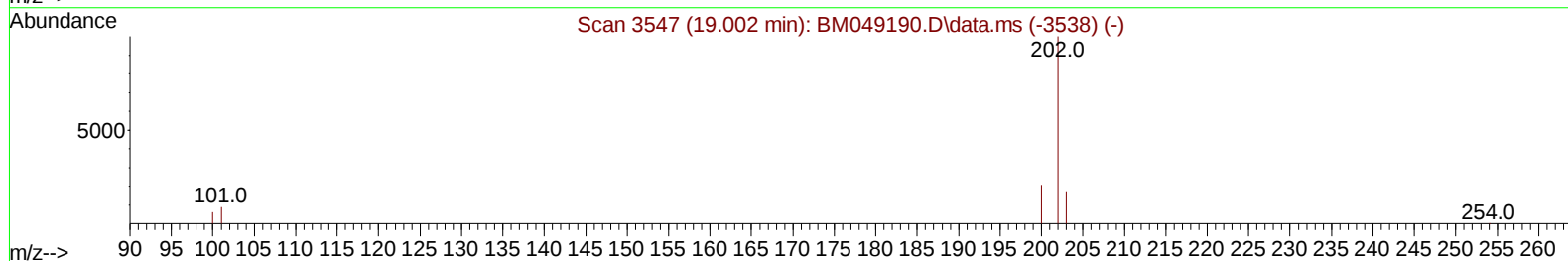
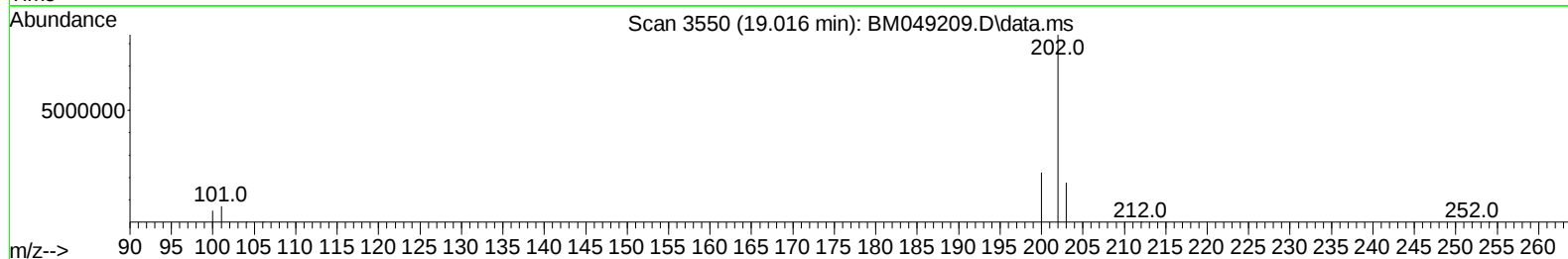
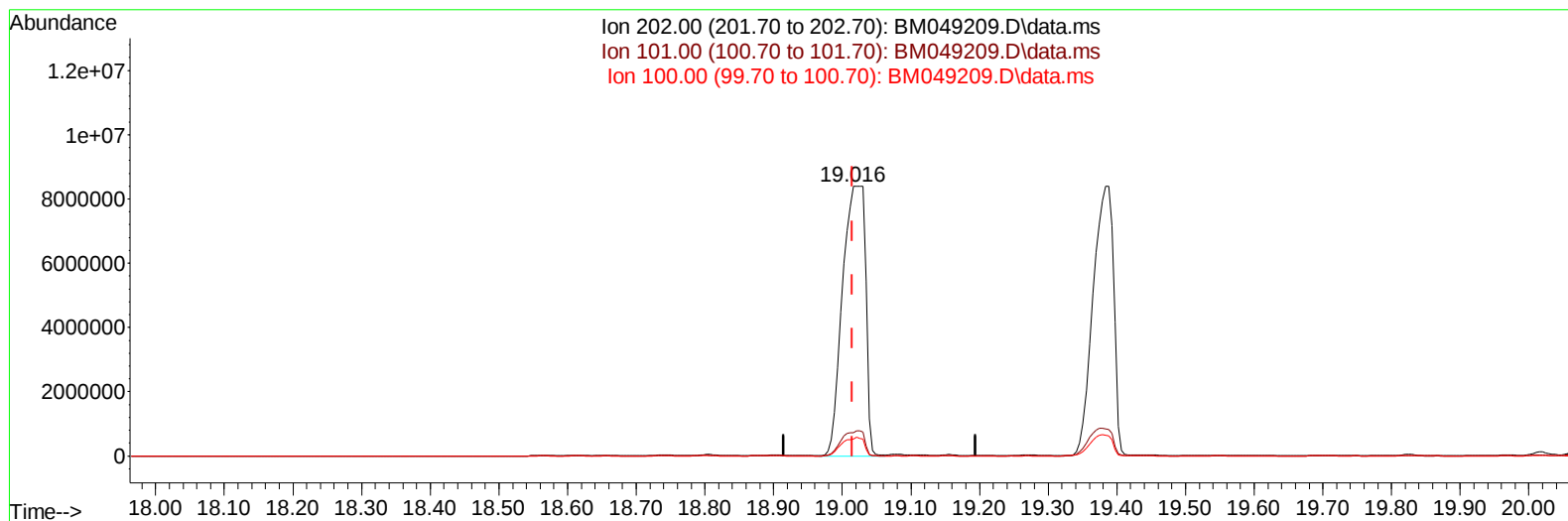
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049209.D
Acq On : 25 Dec 2024 06:45
Operator : RC/JU
Sample : P5333-11
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2913

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:11:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
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Supervised By :mohammad ahmed 12/26/2024



TIC: BM049209.D\data.ms

(19) Fluoranthene (C)

19.016min (+ 0.001) 216.17 ng/ul m

response 19652891

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	9.50	8.53
100.00	6.90	6.18
0.00	0.00	0.00

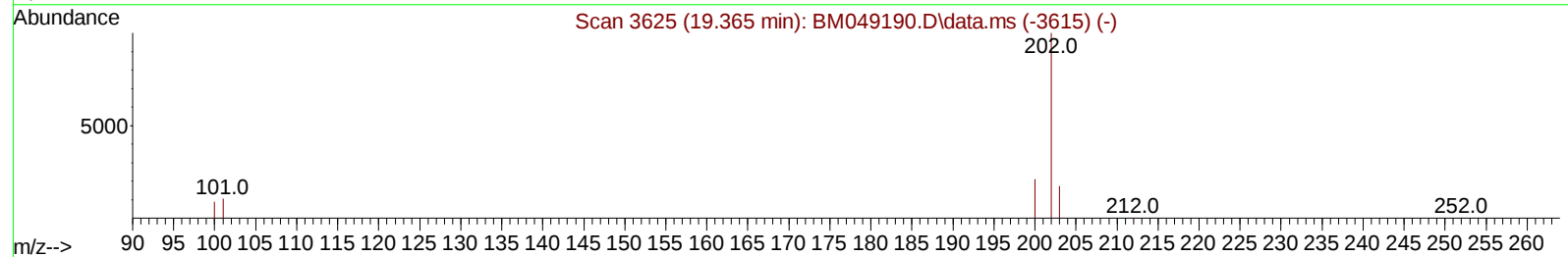
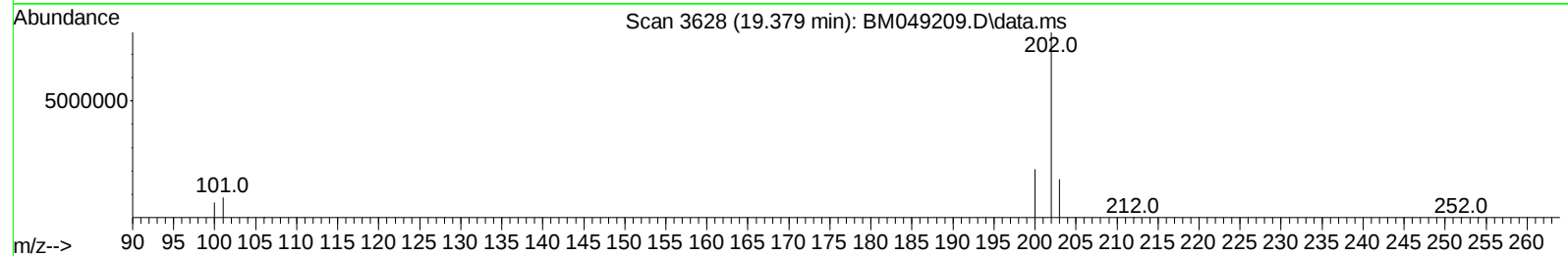
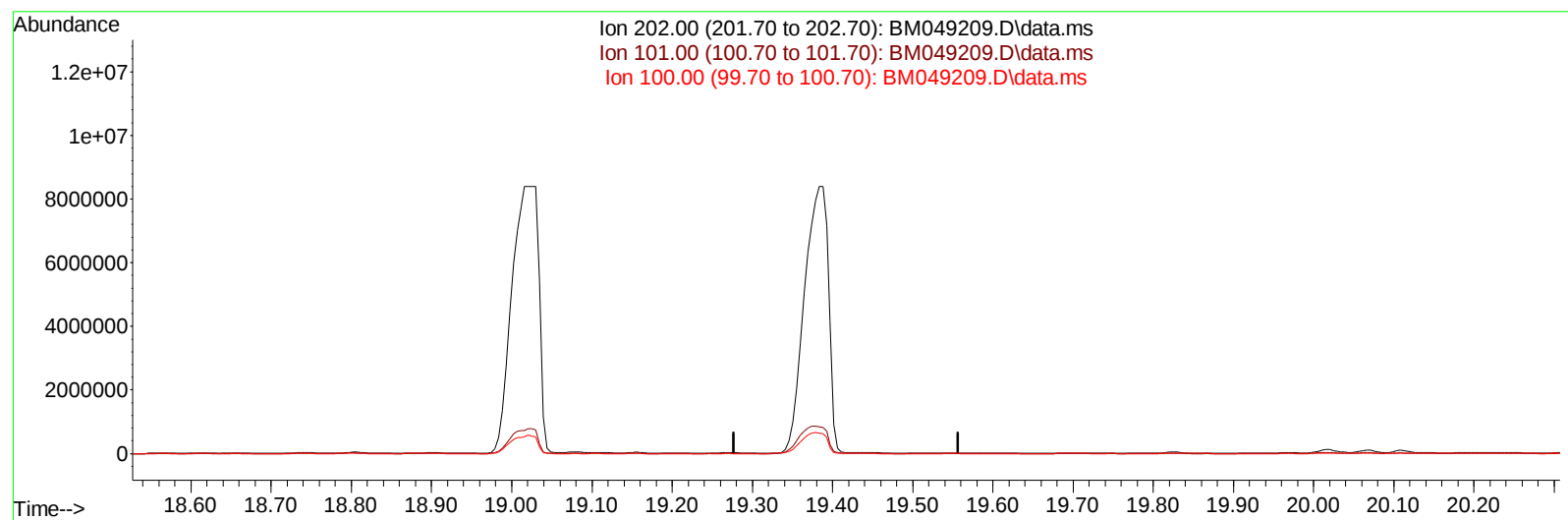
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049209.D
Acq On : 25 Dec 2024 06:45
Operator : RC/JU
Sample : P5333-11
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2913

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:11:25 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
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Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049209.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

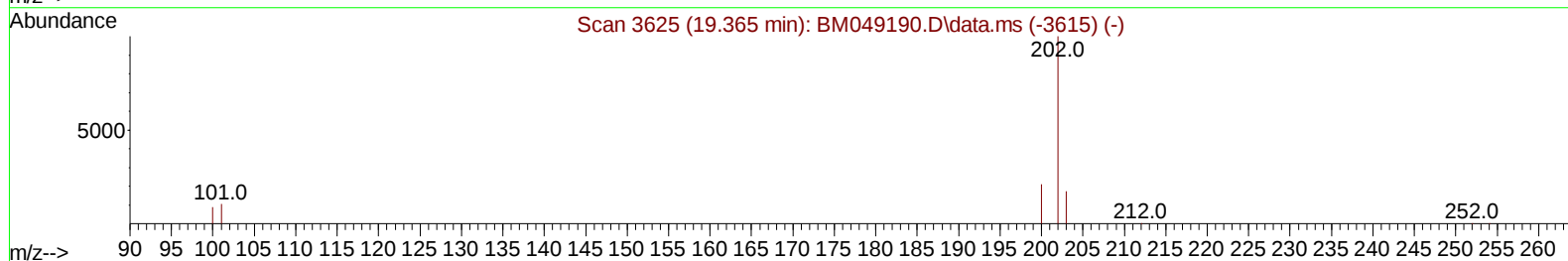
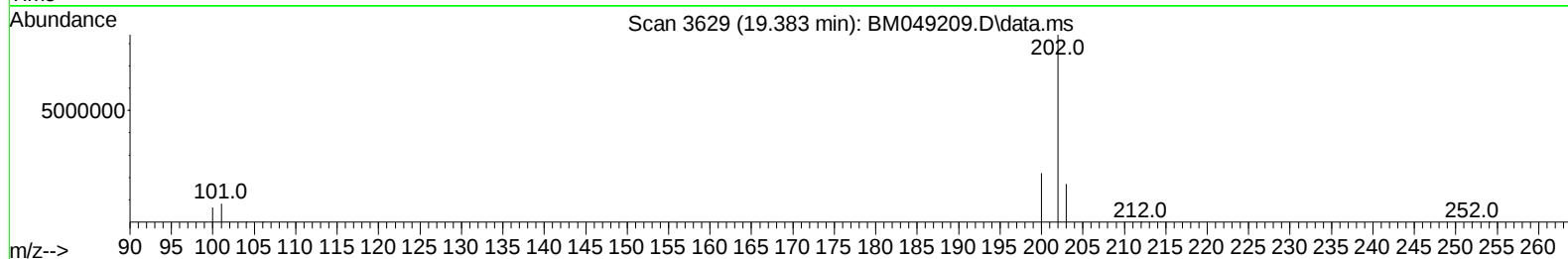
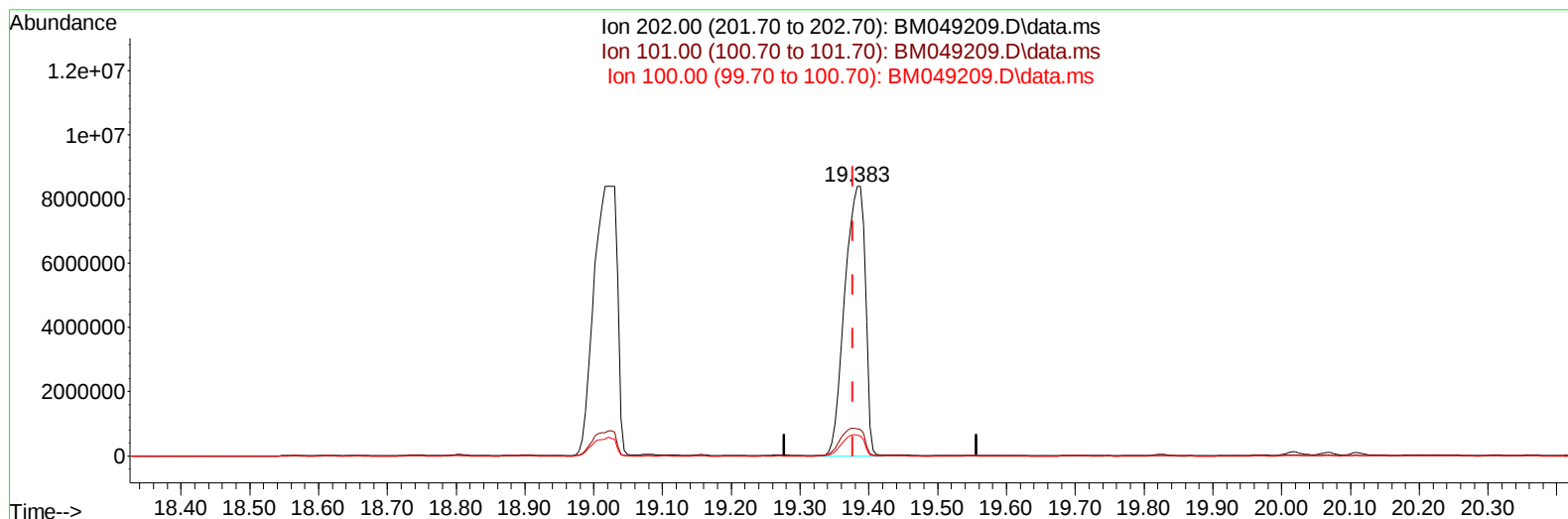
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049209.D
Acq On : 25 Dec 2024 06:45
Operator : RC/JU
Sample : P5333-11
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2913

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:11:25 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 :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049209.D\data.ms

(20) Pyrene

19.383min (+ 0.006) 181.11 ng/ul m

response 17559997

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.10	10.00
100.00	8.60	7.68
0.00	0.00	0.00

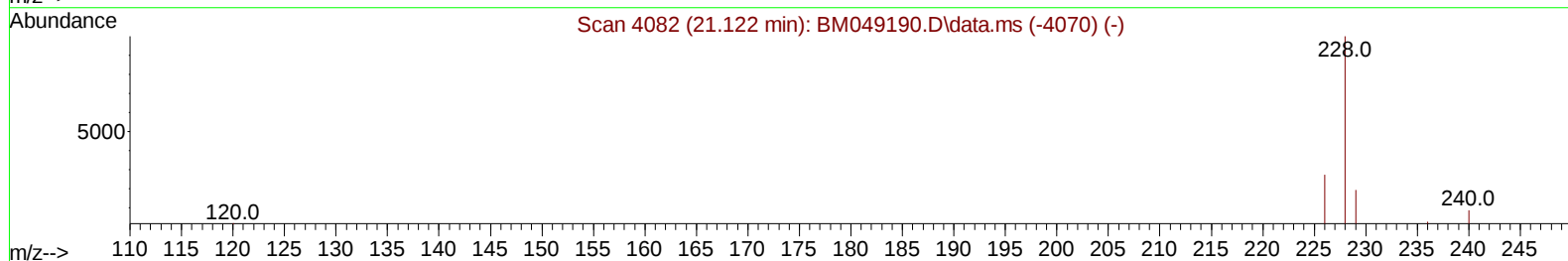
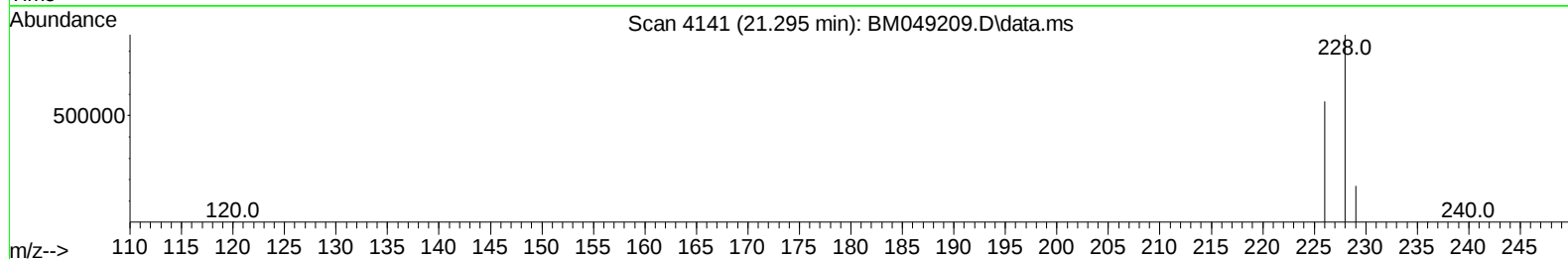
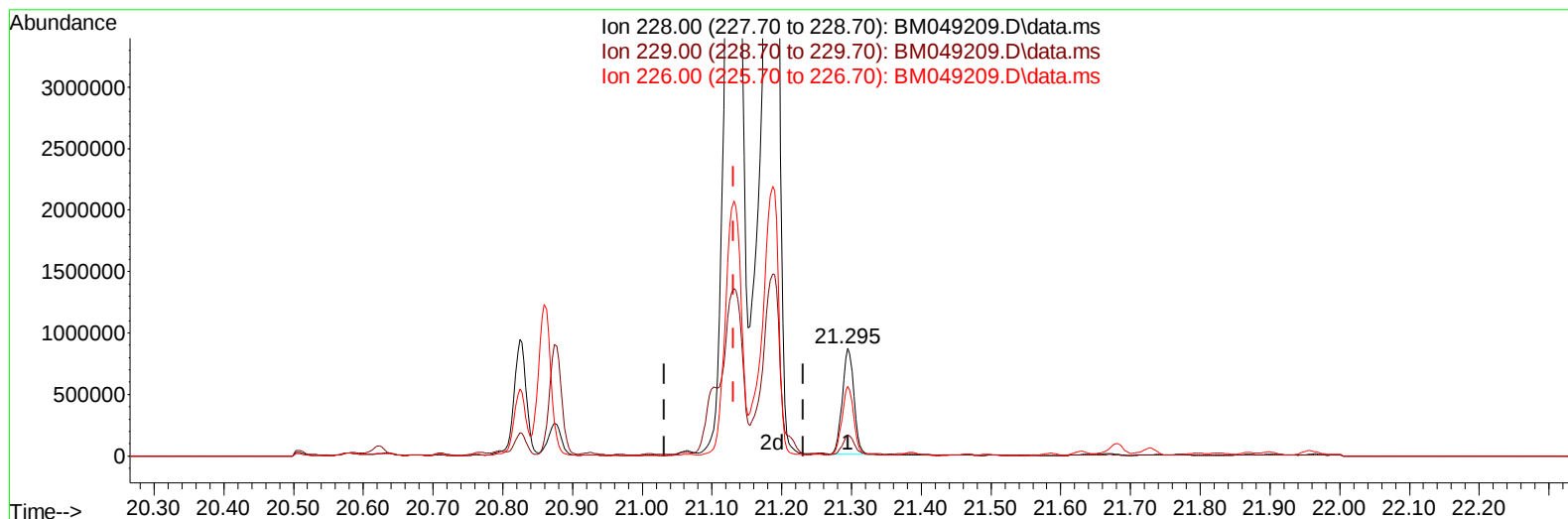
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049209.D
Acq On : 25 Dec 2024 06:45
Operator : RC/JU
Sample : P5333-11
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2913

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:11:25 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 :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049209.D\data.ms

(21) Benzo(a)anthracene

21.295min (+ 0.163) 11.42 ng/u1

response 999122

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.90	19.39
226.00	28.30	64.40#
0.00	0.00	0.00

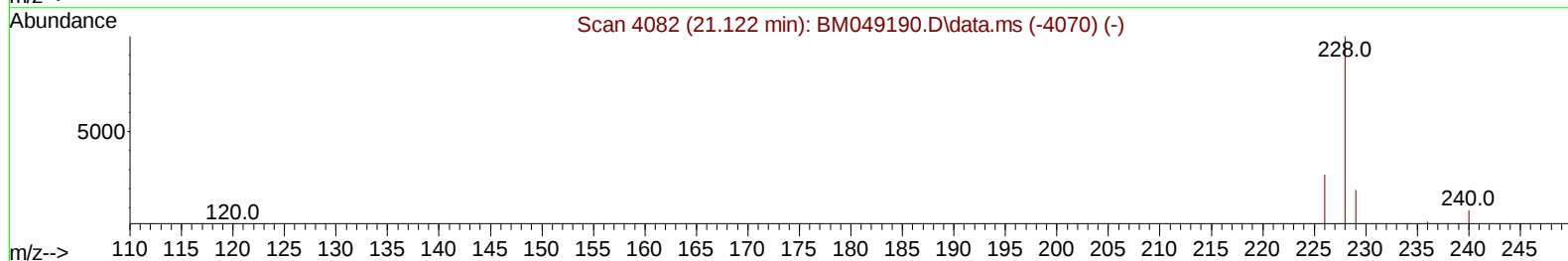
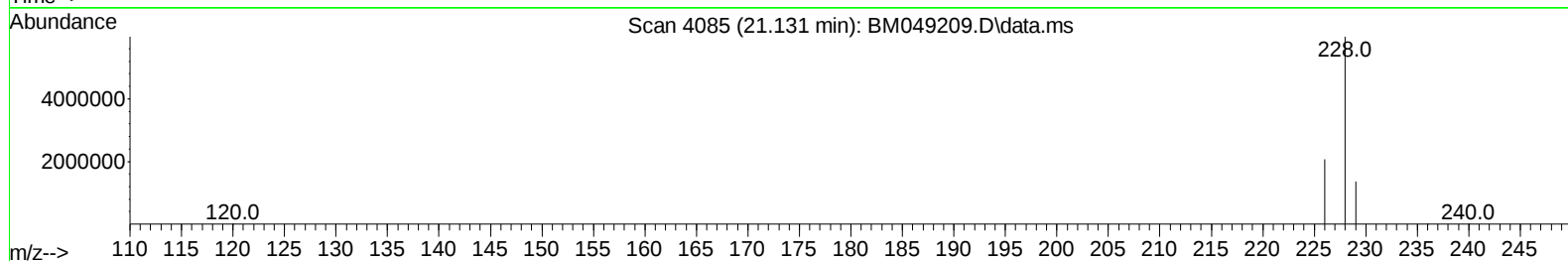
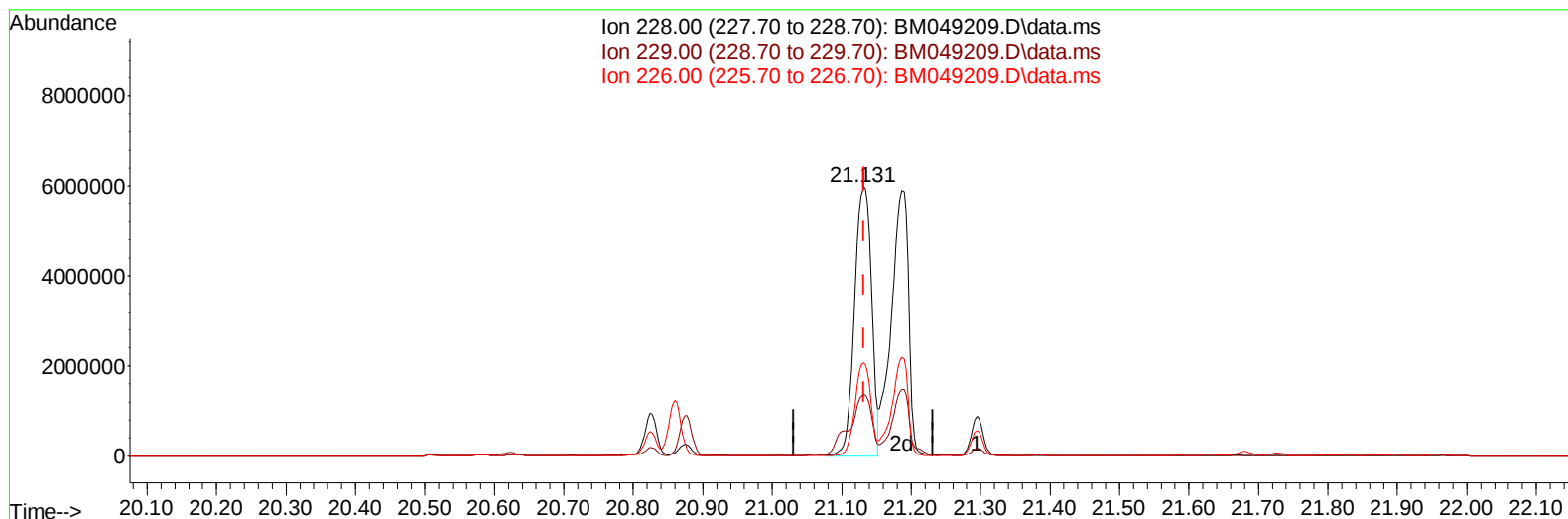
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049209.D
Acq On : 25 Dec 2024 06:45
Operator : RC/JU
Sample : P5333-11
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2913

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 25 07:11:25 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: BM049209.D\data.ms

(21) Benzo(a)anthracene

21.131min (-0.000) 117.26 ng/ul m

response 10256401

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.90	22.76
226.00	28.30	34.63#
0.00	0.00	0.00

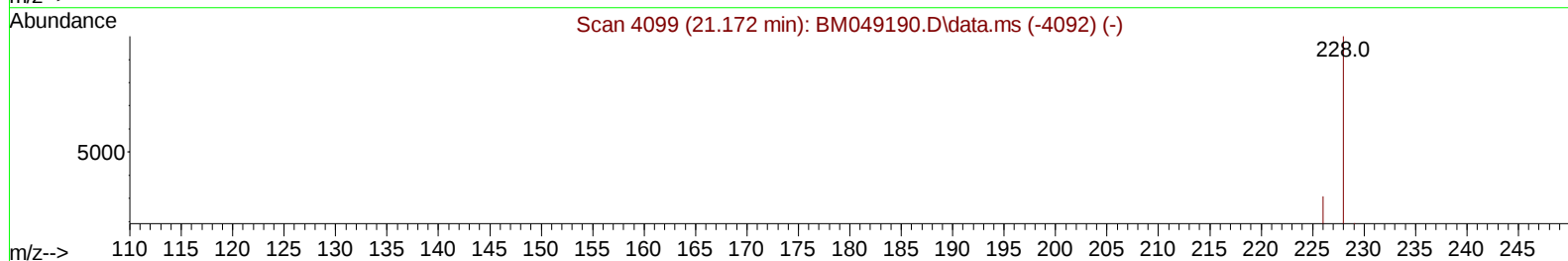
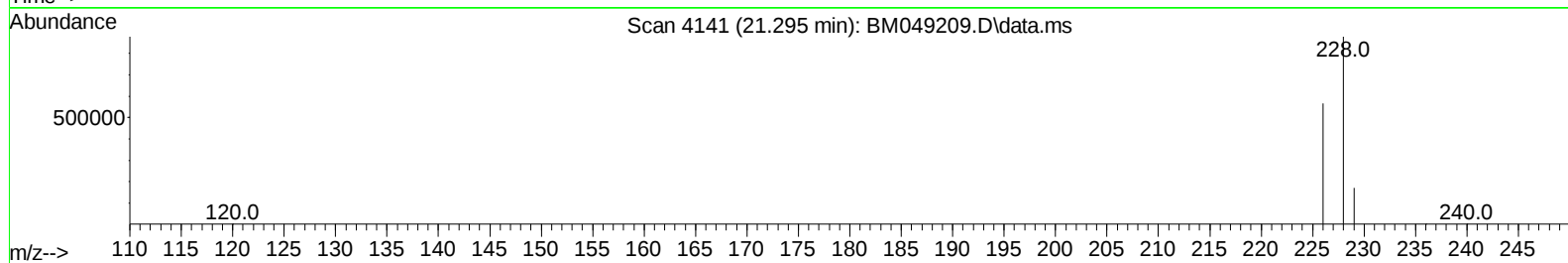
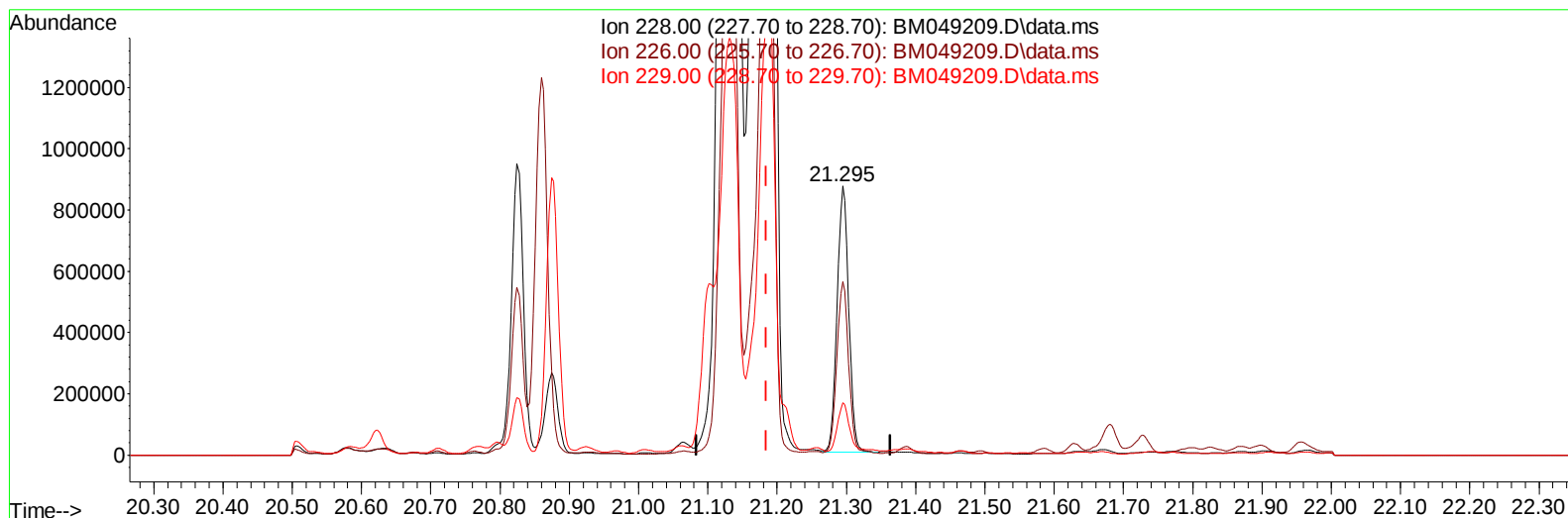
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049209.D
Acq On : 25 Dec 2024 06:45
Operator : RC/JU
Sample : P5333-11
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2913

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:11:25 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 :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049209.D\data.ms

(22) Chrysene

21.295min (+ 0.111) 10.75 ng/u1

response 1009057

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.10	64.40#
229.00	19.80	19.39
0.00	0.00	0.00

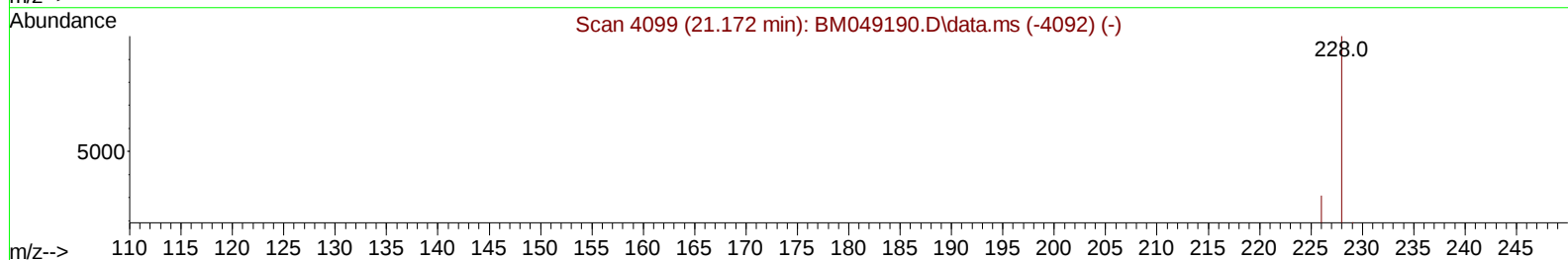
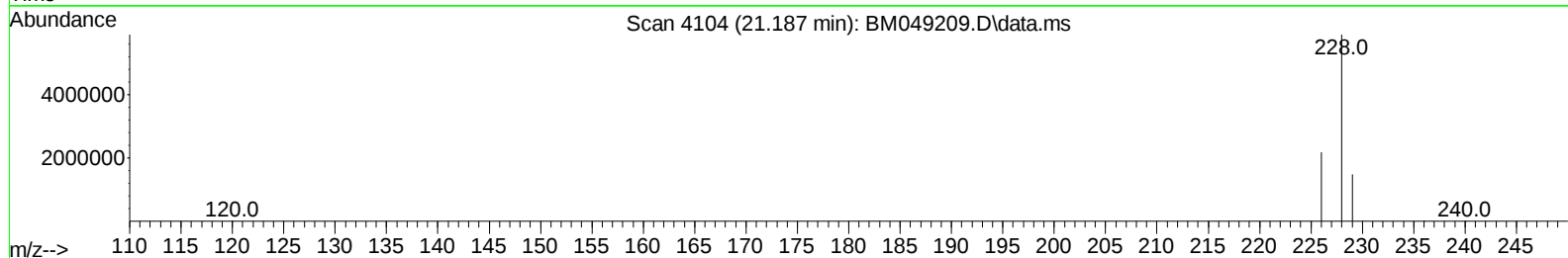
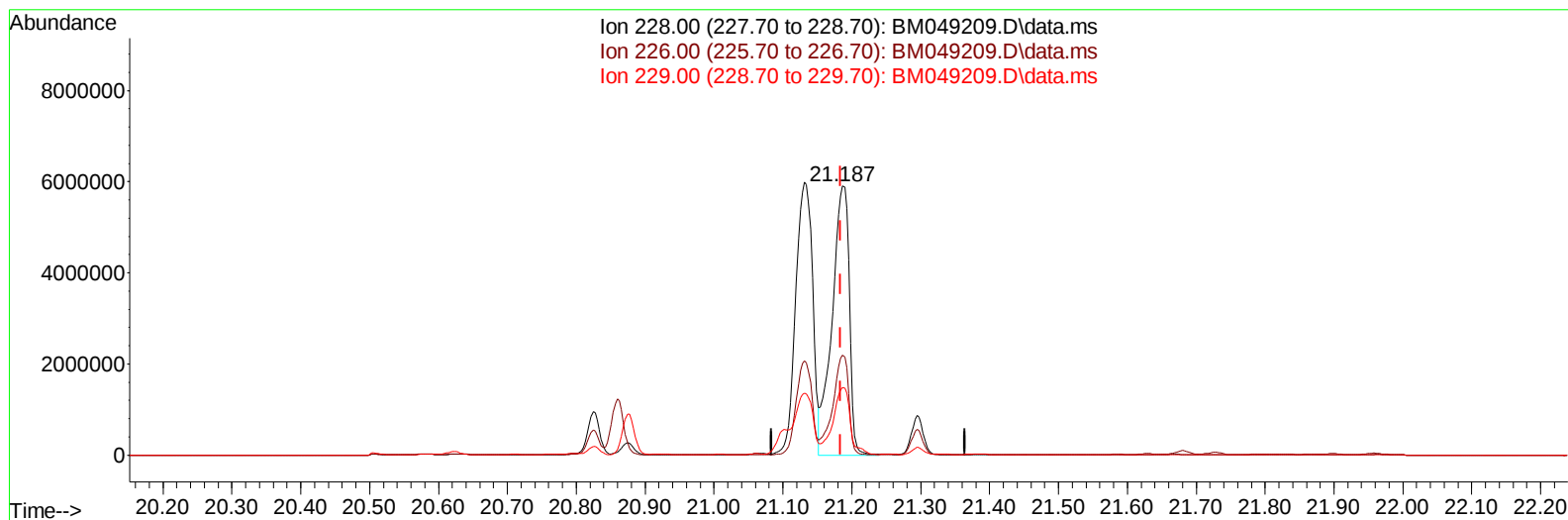
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049209.D
Acq On : 25 Dec 2024 06:45
Operator : RC/JU
Sample : P5333-11
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2913

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:11:25 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 :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049209.D\data.ms

(22) Chrysene

21.187min (+ 0.003) 109.71 ng/u1 m

response 10298313

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.10	37.12#
229.00	19.80	25.05#
0.00	0.00	0.00

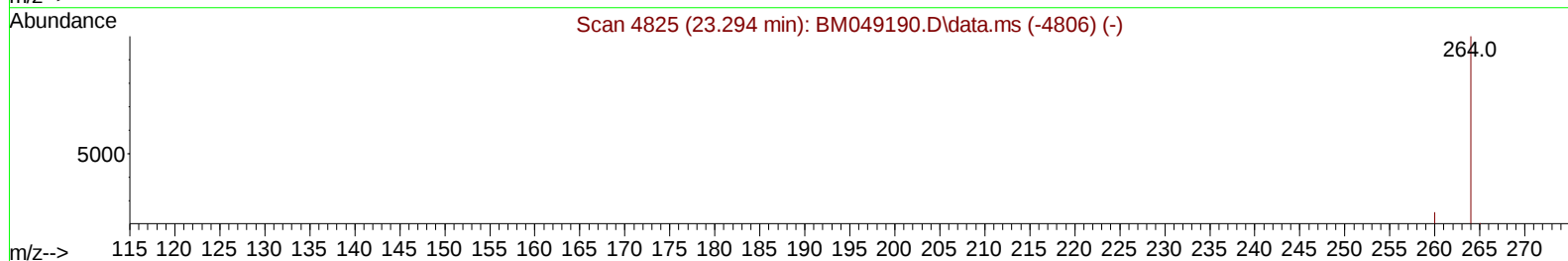
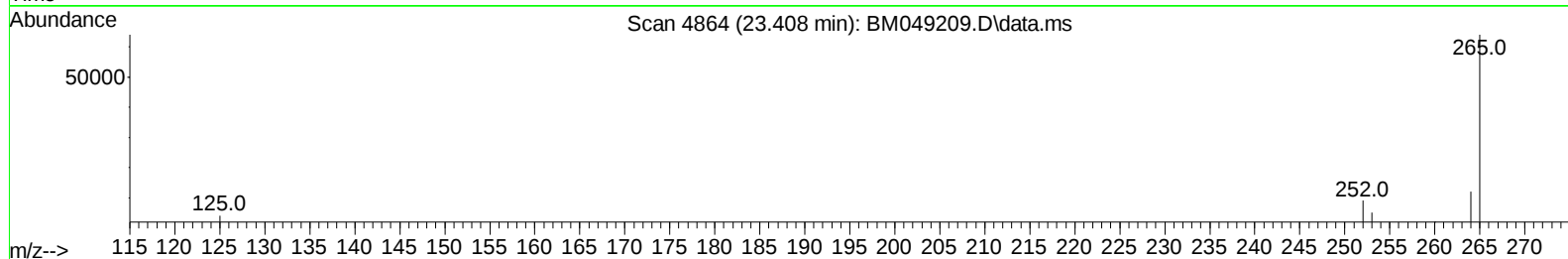
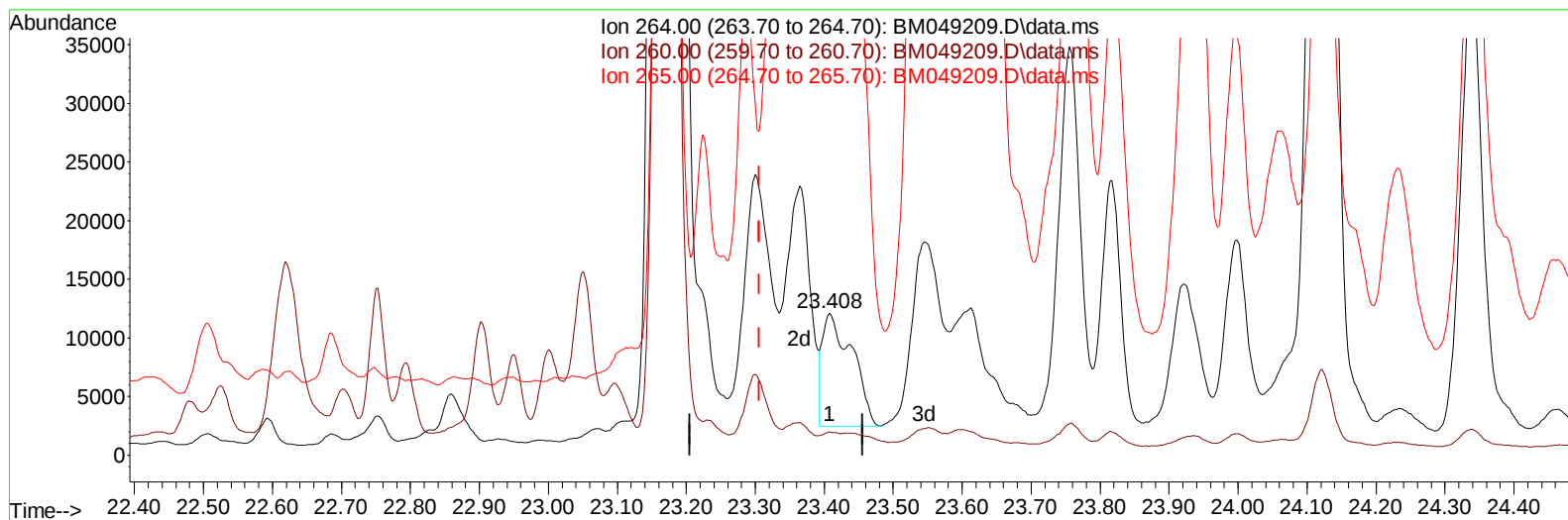
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049209.D
Acq On : 25 Dec 2024 06:45
Operator : RC/JU
Sample : P5333-11
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2913

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:11:25 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 :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049209.D\data.ms

(23) Perylene-d12 (I)

23.408min (+ 0.102) 0.40 ng/u1

response 28127

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	16.22#
265.00	78.30	529.21#
0.00	0.00	0.00

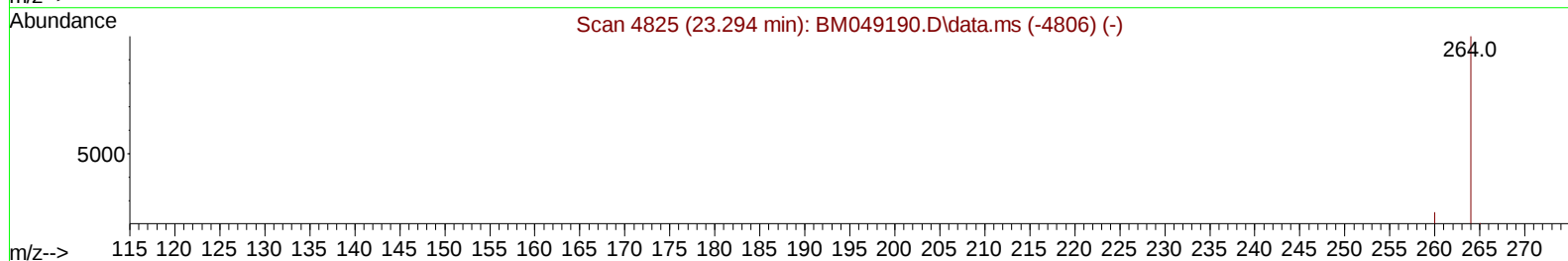
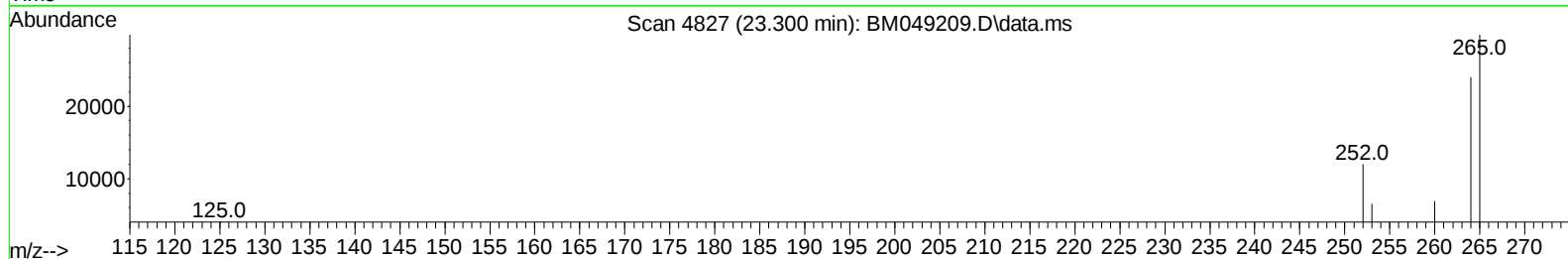
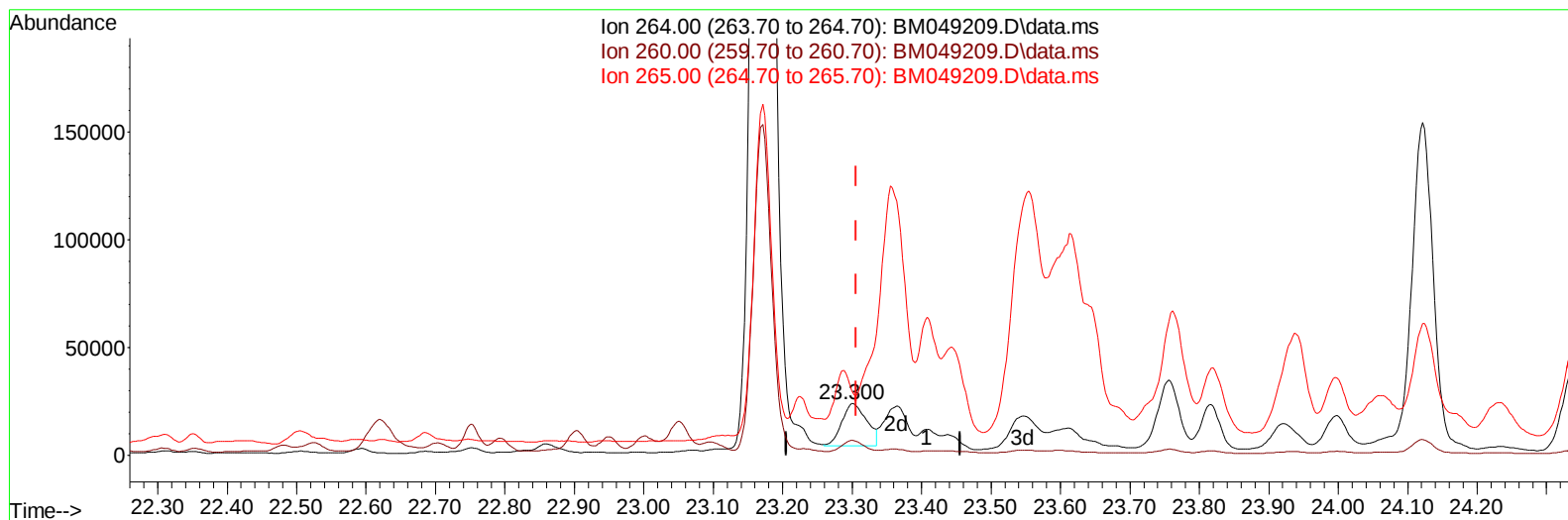
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049209.D
Acq On : 25 Dec 2024 06:45
Operator : RC/JU
Sample : P5333-11
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2913

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:11:25 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 :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049209.D\data.ms

(23) Perylene-d12 (I)

23.300min (-0.006) 0.40 ng/ul m

response 48656

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	28.82
265.00	78.30	124.65#
0.00	0.00	0.00

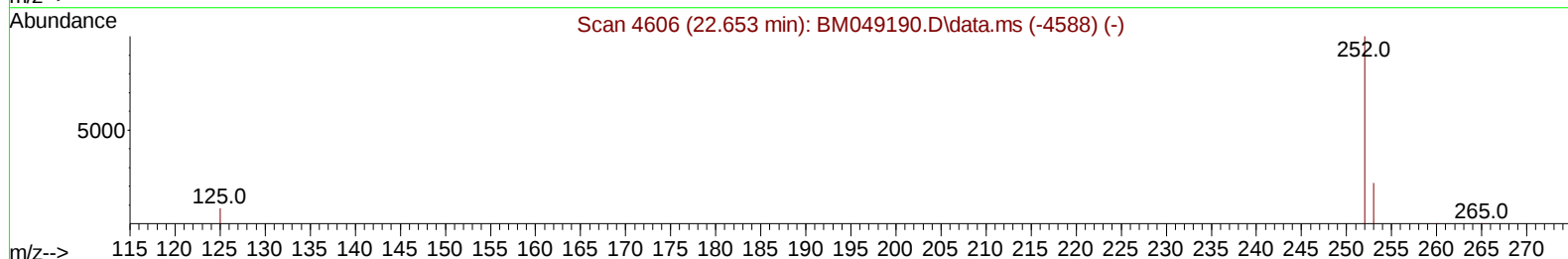
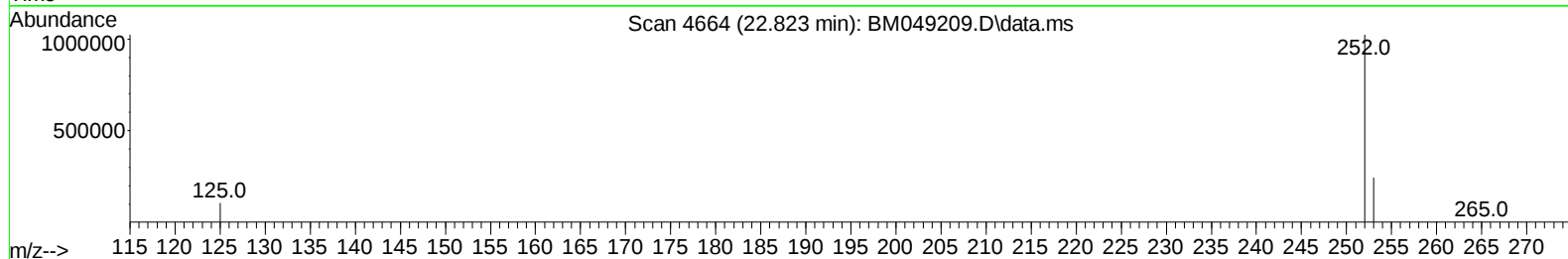
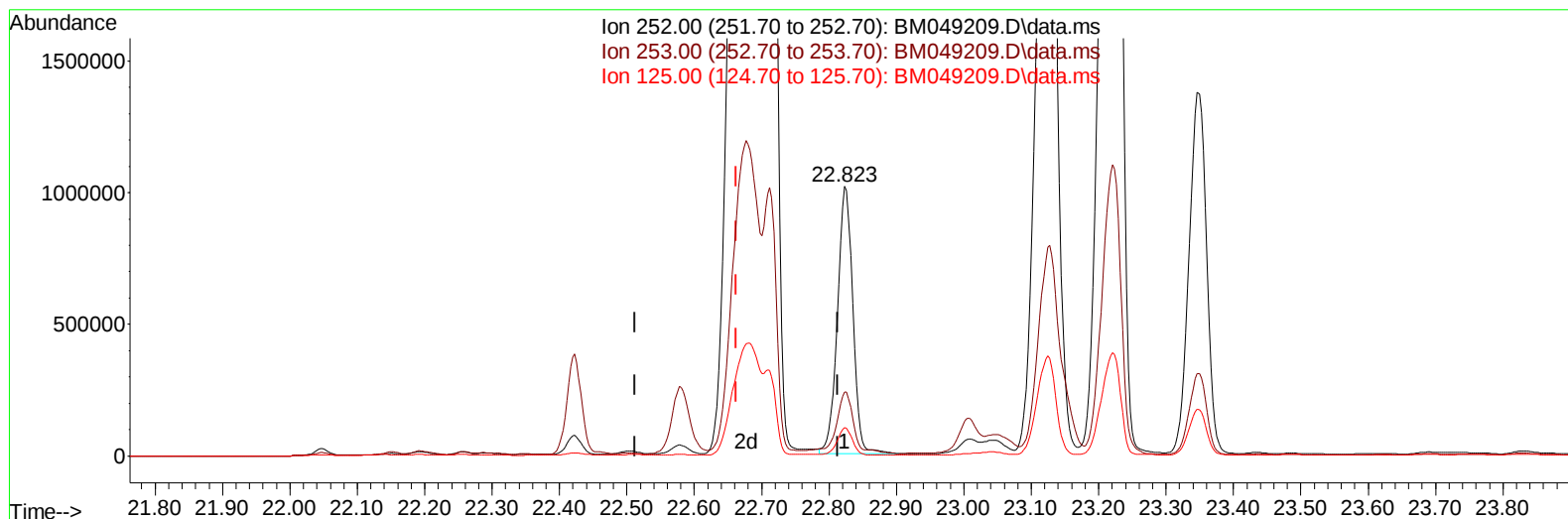
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049209.D
Acq On : 25 Dec 2024 06:45
Operator : RC/JU
Sample : P5333-11
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2913

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:11:25 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 :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049209.D\data.ms

(24) Benzo(b)fluoranthene

22.823min (+ 0.160) 10.32 ng/u1

response 1604546

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	23.83
125.00	15.40	10.49
0.00	0.00	0.00

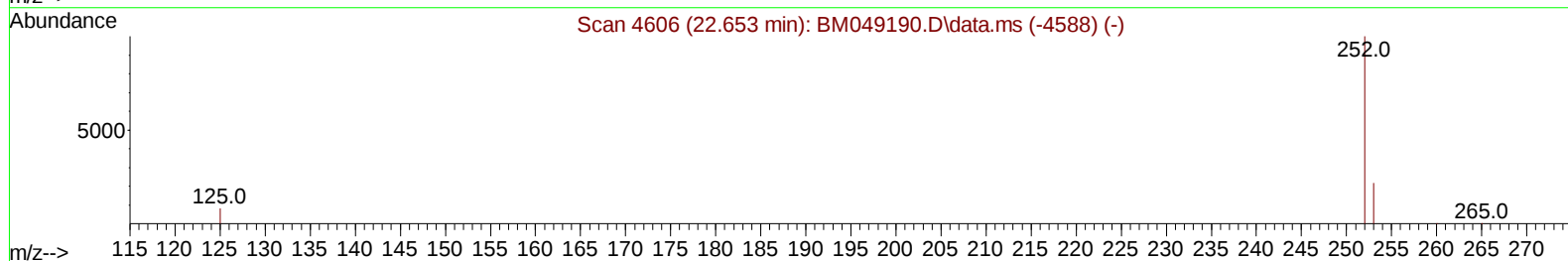
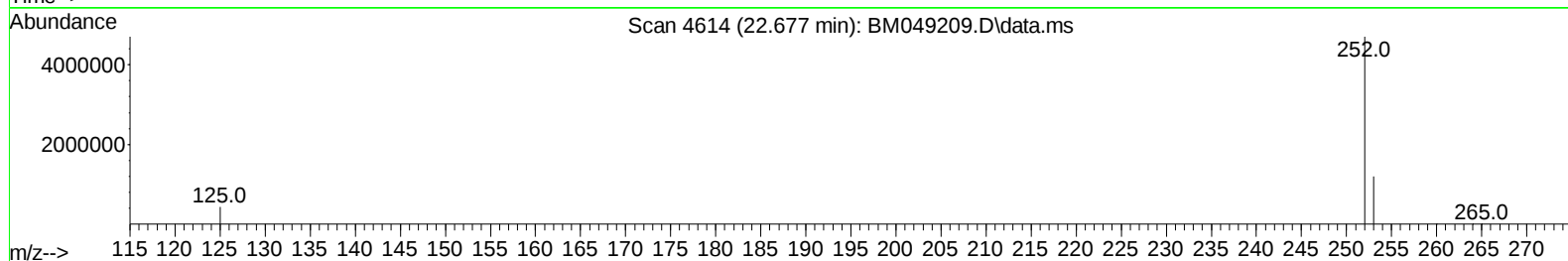
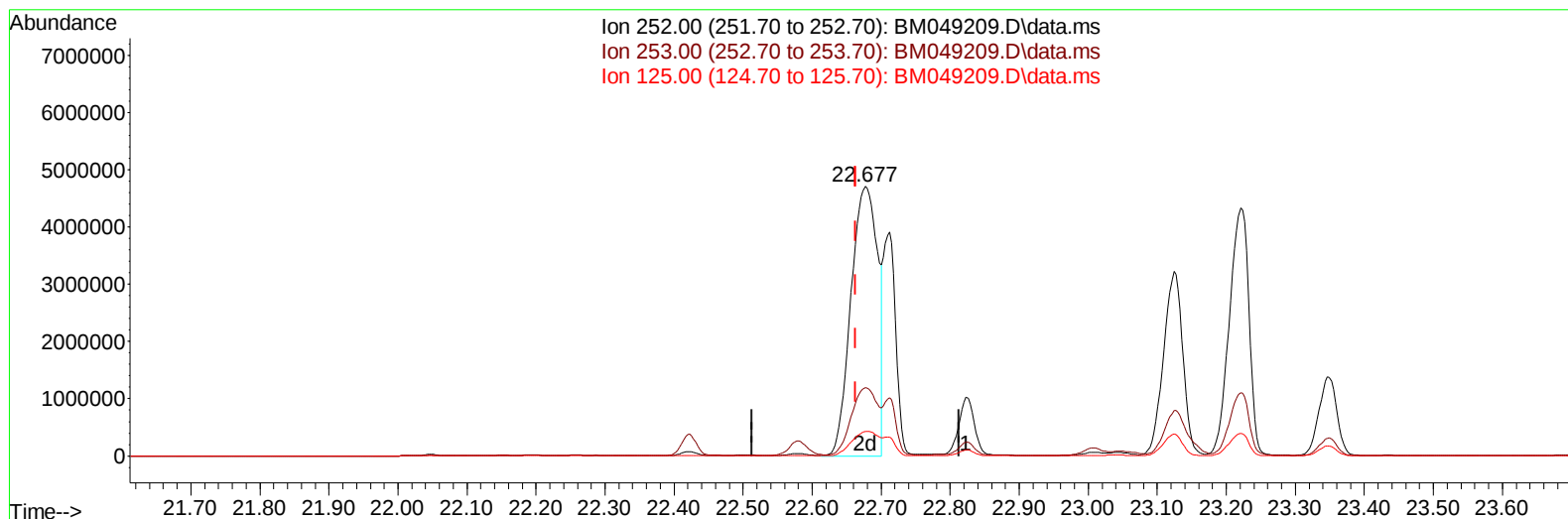
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049209.D
Acq On : 25 Dec 2024 06:45
Operator : RC/JU
Sample : P5333-11
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2913

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:11:25 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 :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049209.D\data.ms

(24) Benzo(b)fluoranthene

22.677min (+ 0.014) 81.91 ng/ul m

response 12732132

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	25.46
125.00	15.40	9.06
0.00	0.00	0.00

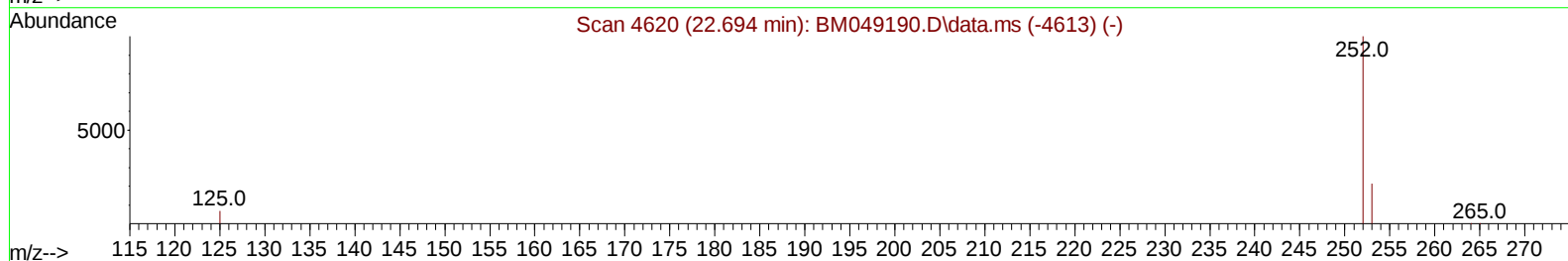
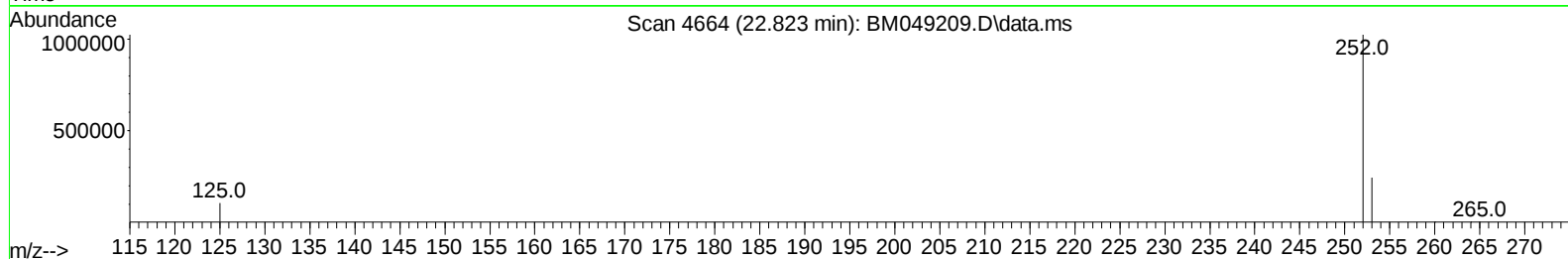
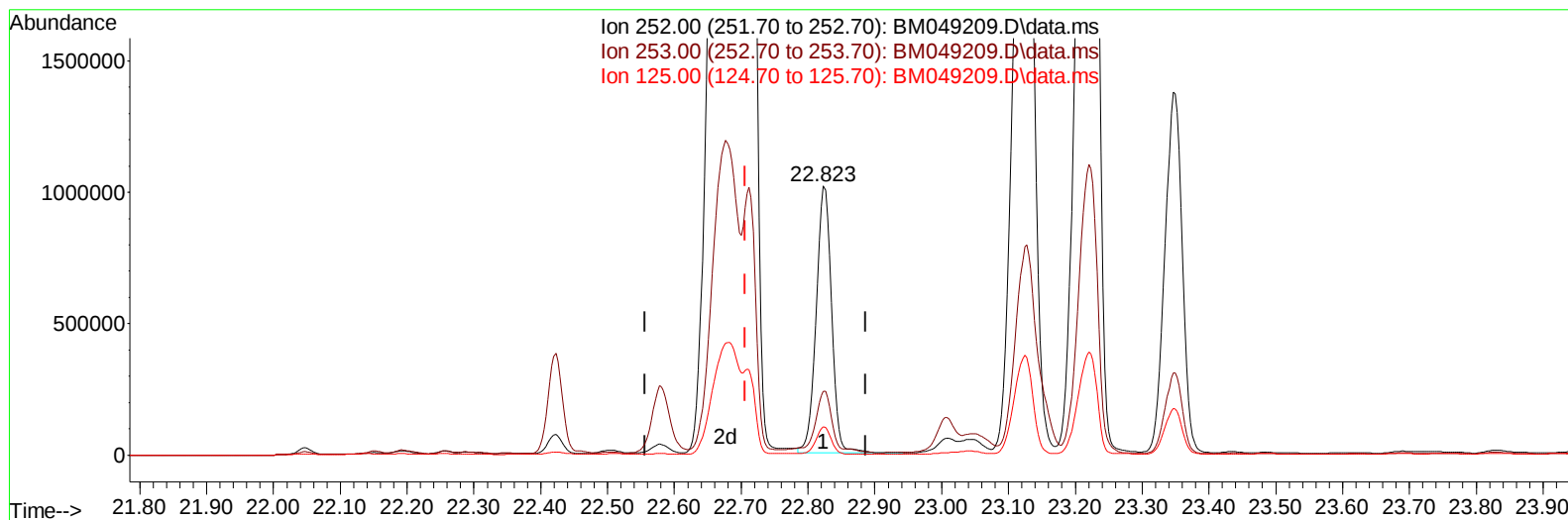
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049209.D
Acq On : 25 Dec 2024 06:45
Operator : RC/JU
Sample : P5333-11
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2913

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:11:25 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 :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049209.D\data.ms

(25) Benzo(k)fluoranthene

22.823min (+ 0.117) 9.45 ng/u1

response 1611683

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	23.83
125.00	15.70	10.49#
0.00	0.00	0.00

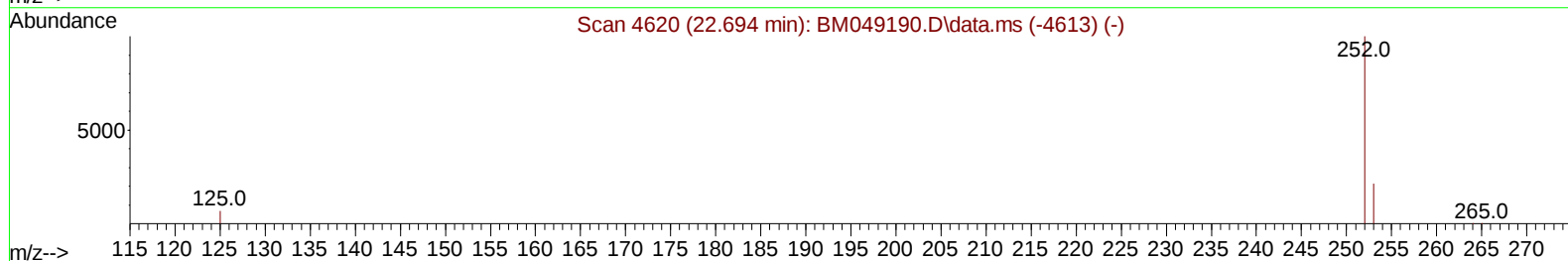
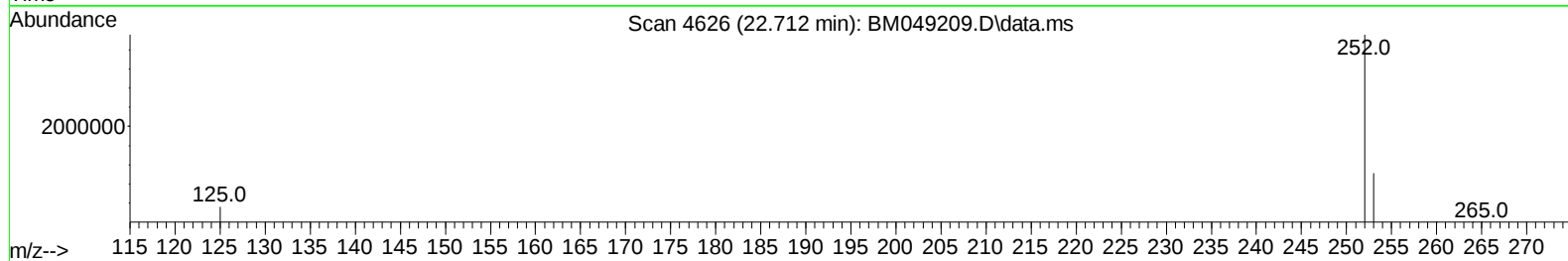
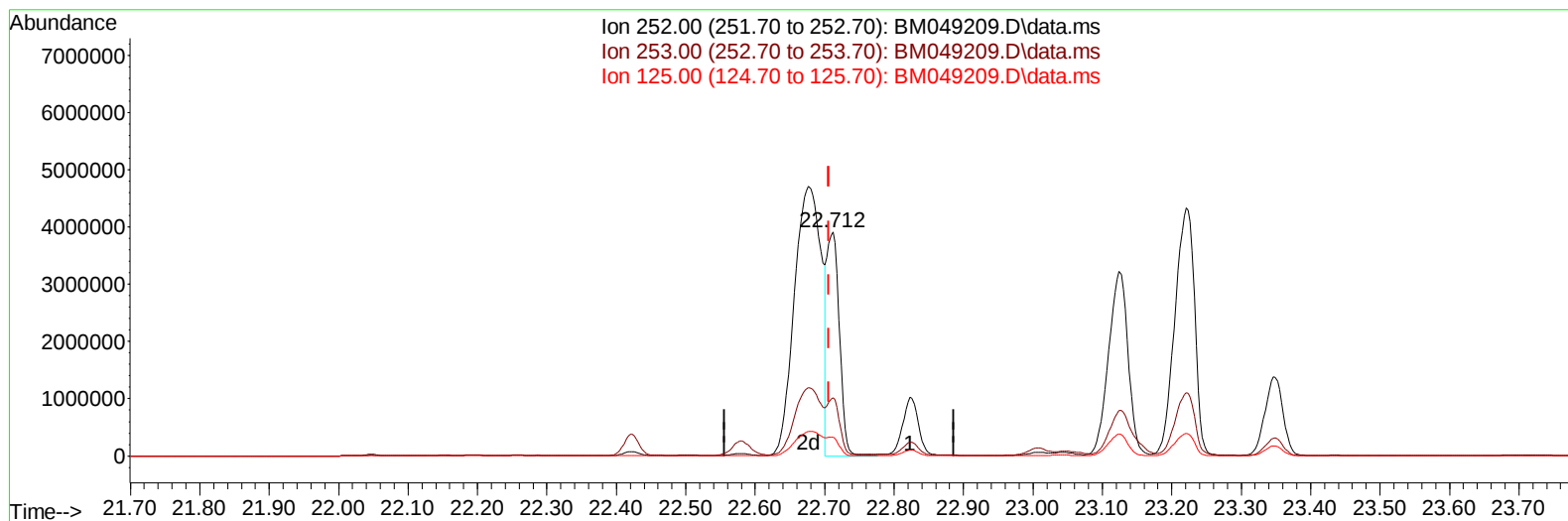
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049209.D
Acq On : 25 Dec 2024 06:45
Operator : RC/JU
Sample : P5333-11
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2913

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 25 07:11:25 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: BM049209.D\data.ms

(25) Benzo(k)fluoranthene

22.712min (+ 0.006) 28.79 ng/ul m

response 4909829

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	26.07
125.00	15.70	8.27#
0.00	0.00	0.00

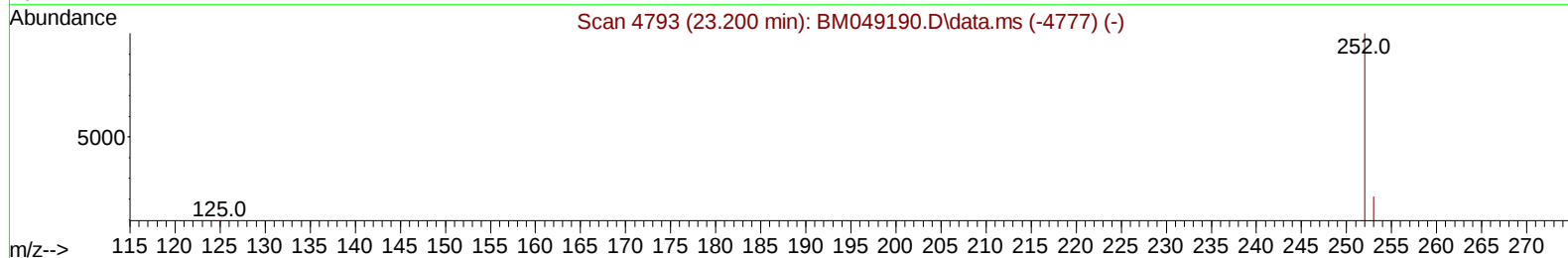
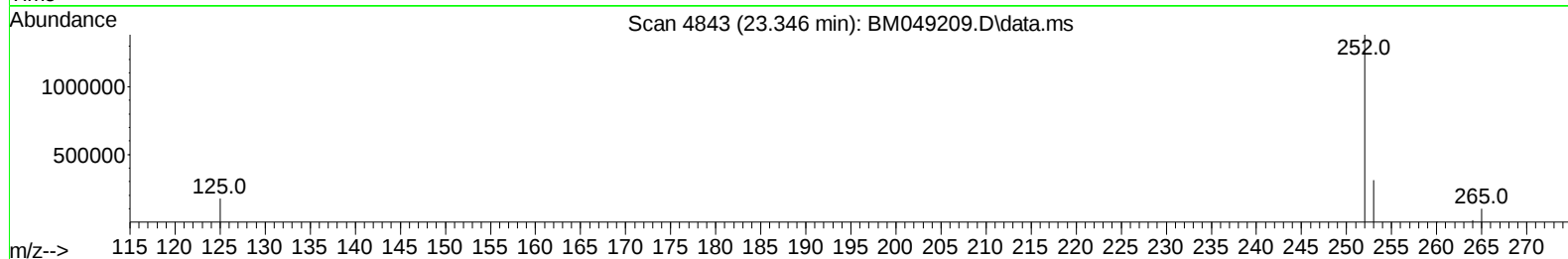
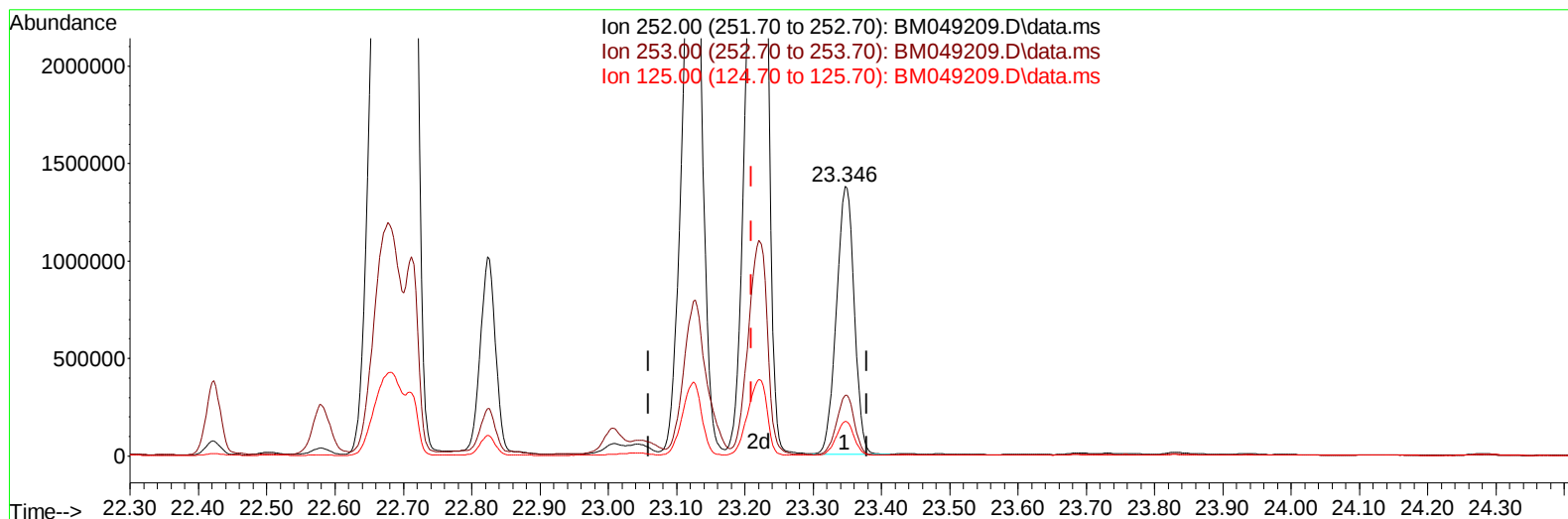
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049209.D
Acq On : 25 Dec 2024 06:45
Operator : RC/JU
Sample : P5333-11
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2913

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:11:25 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 :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049209.D\data.ms

(26) Benzo(a)pyrene (C)

23.346min (+ 0.137) 16.68 ng/u1

response 2486984

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.00	22.57
125.00	18.50	12.80#
0.00	0.00	0.00

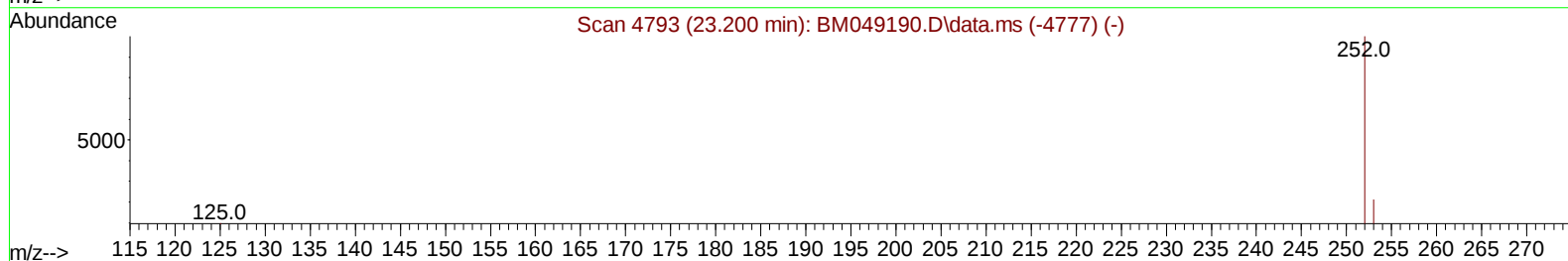
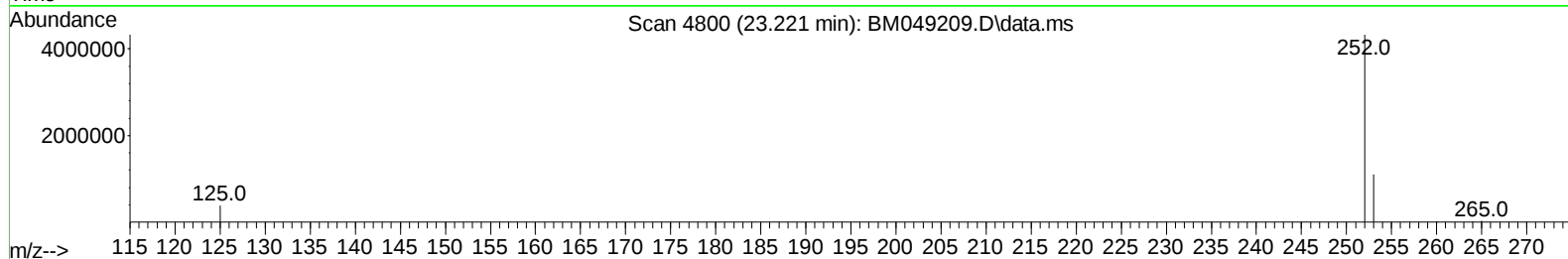
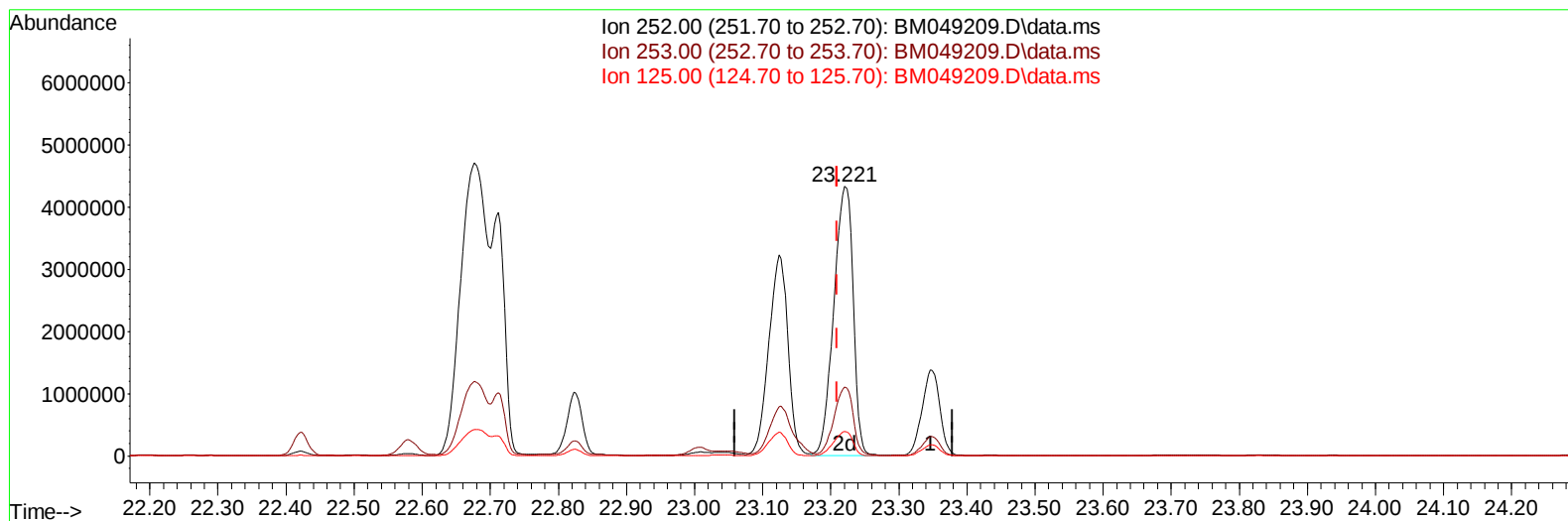
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049209.D
Acq On : 25 Dec 2024 06:45
Operator : RC/JU
Sample : P5333-11
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2913

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:11:25 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 :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049209.D\data.ms

(26) Benzo(a)pyrene (C)

23.221min (+ 0.011) 57.78 ng/ul m

response 8613671

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.00	25.56
125.00	18.50	9.05#
0.00	0.00	0.00

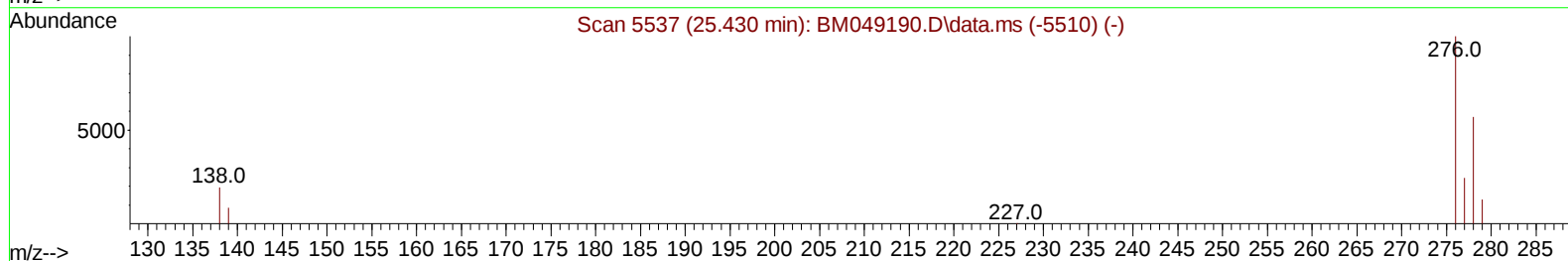
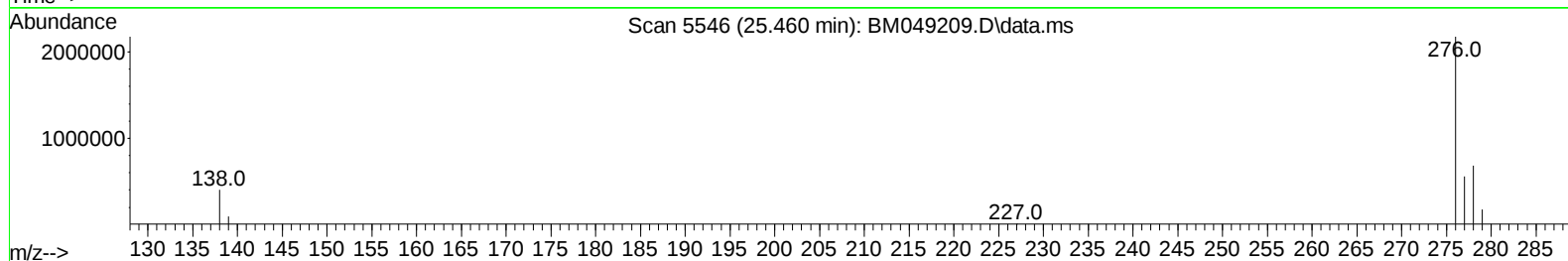
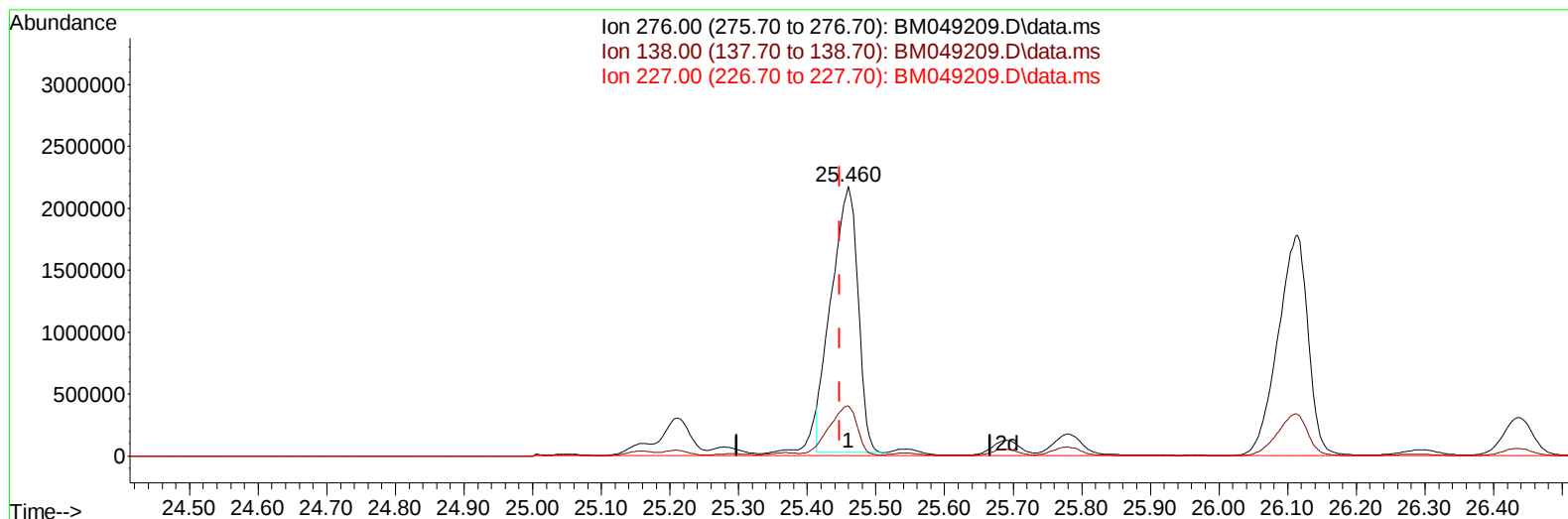
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049209.D
Acq On : 25 Dec 2024 06:45
Operator : RC/JU
Sample : P5333-11
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2913

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:11:25 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 :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049209.D\data.ms

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

25.460min (+ 0.013) 27.51 ng/u1

response 5805116

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	21.80	18.57
227.00	0.20	0.17
0.00	0.00	0.00

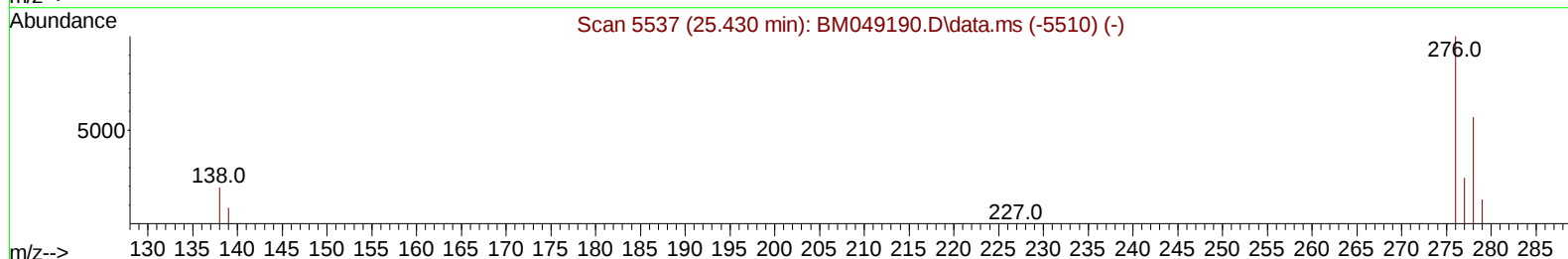
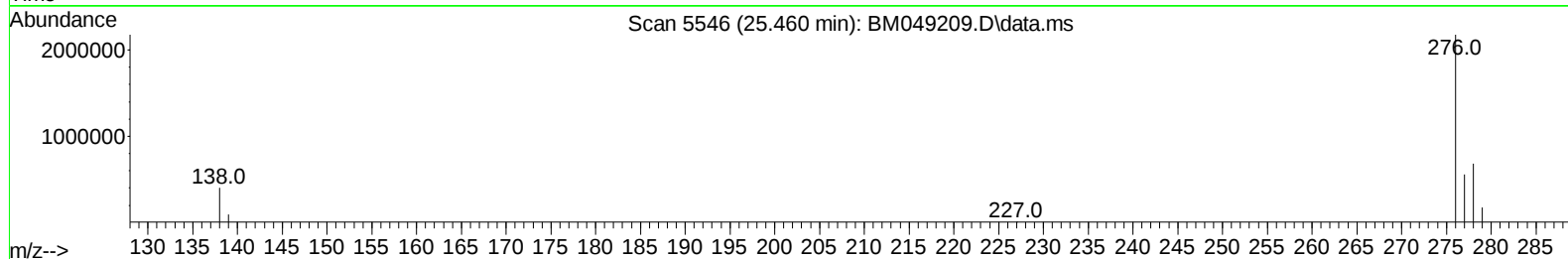
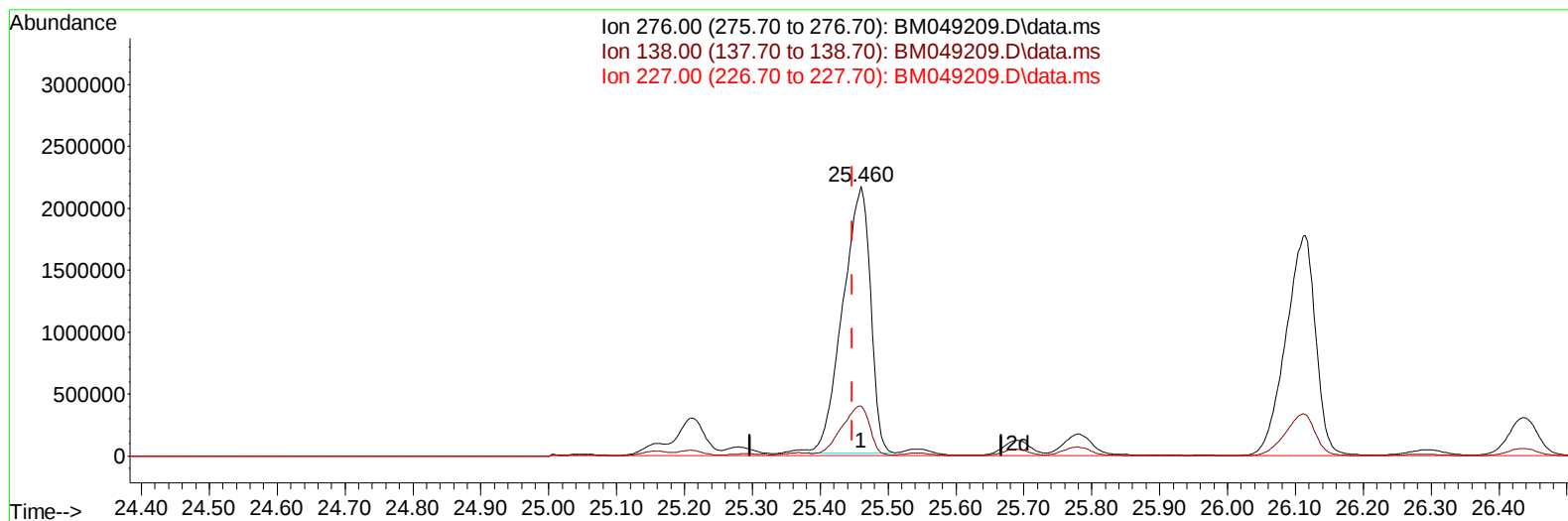
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049209.D
Acq On : 25 Dec 2024 06:45
Operator : RC/JU
Sample : P5333-11
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2913

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 25 07:11:25 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: BM049209.D\data.ms

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

25.460min (+ 0.013) 28.87 ng/ul m

response 6090255

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	21.80	17.70
227.00	0.20	0.16
0.00	0.00	0.00

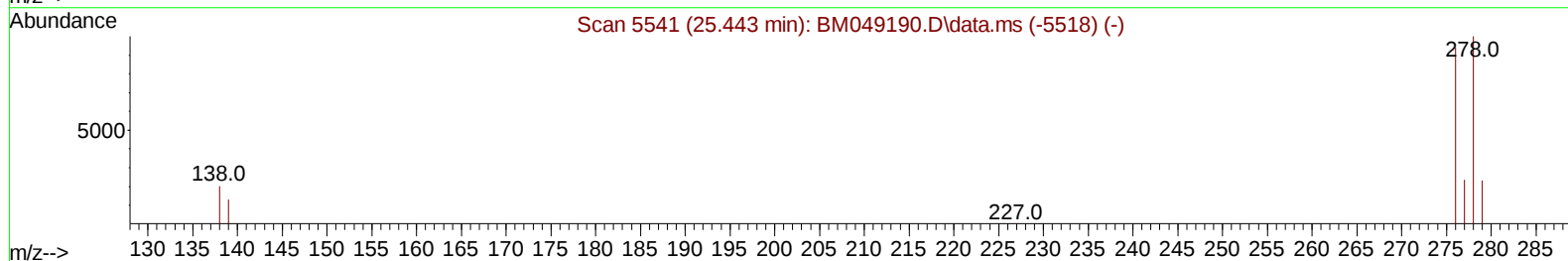
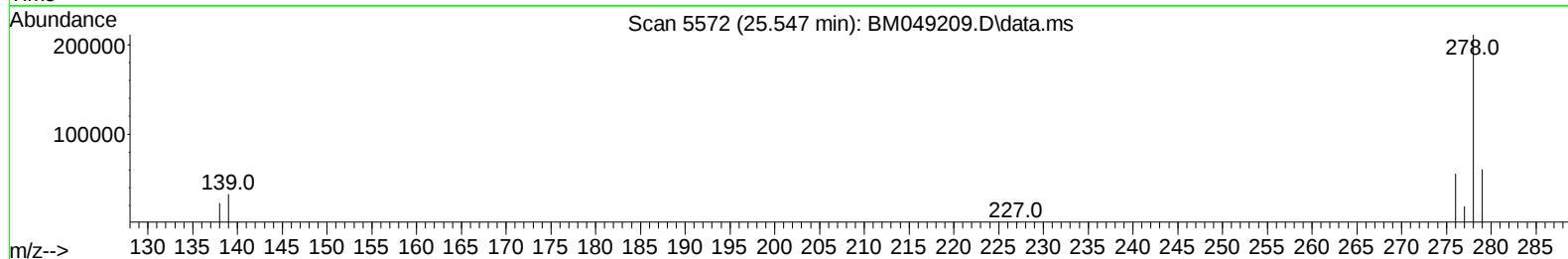
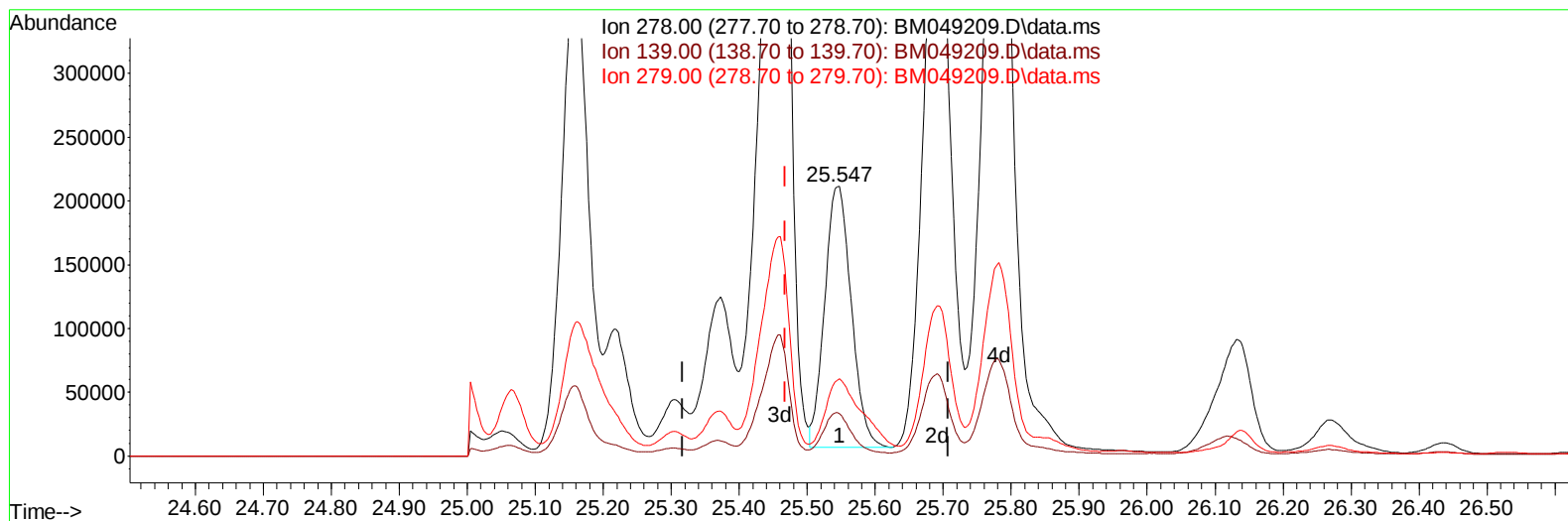
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049209.D
Acq On : 25 Dec 2024 06:45
Operator : RC/JU
Sample : P5333-11
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2913

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:11:25 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/26/2024
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TIC: BM049209.D\data.ms

(28) Dibenzo(a,h)anthracene

25.547min (+ 0.080) 3.39 ng/u1

response 556244

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	16.90	15.62
279.00	26.90	28.56
0.00	0.00	0.00

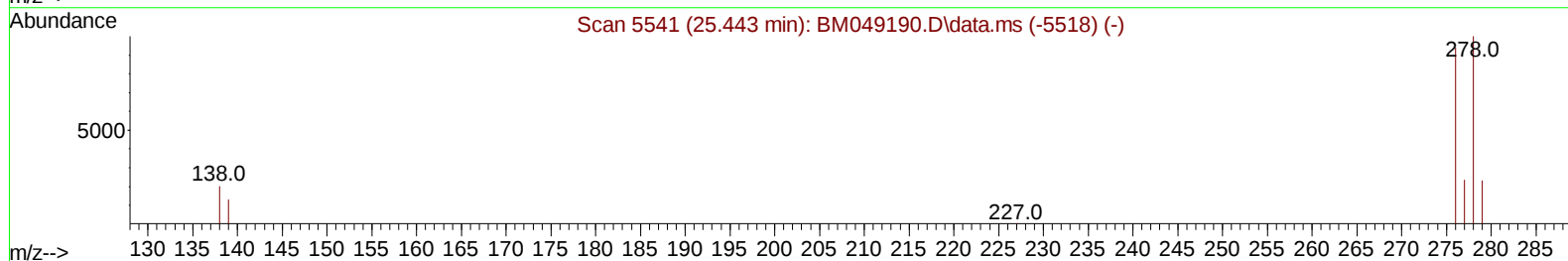
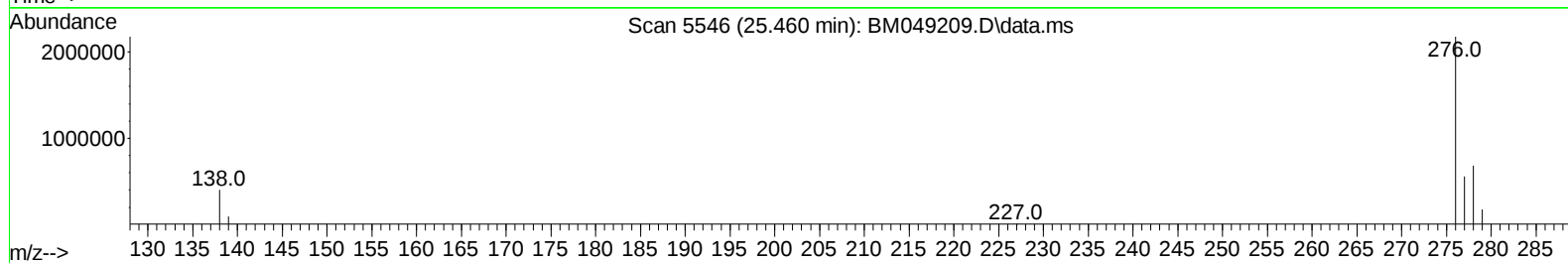
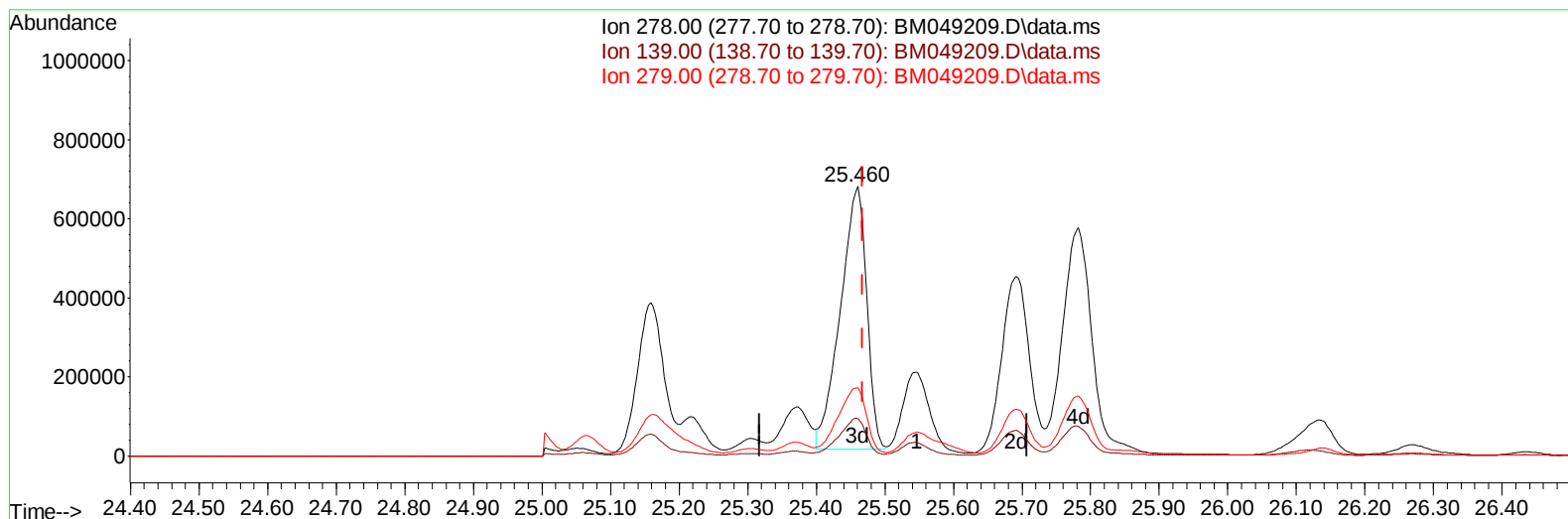
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049209.D
Acq On : 25 Dec 2024 06:45
Operator : RC/JU
Sample : P5333-11
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2913

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:11:25 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
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Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049209.D\data.ms

(28) Dibenzo(a,h)anthracene

25.460min (-0.007) 10.80 ng/ul m

response 1769589

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	16.90	13.92
279.00	26.90	25.29
0.00	0.00	0.00

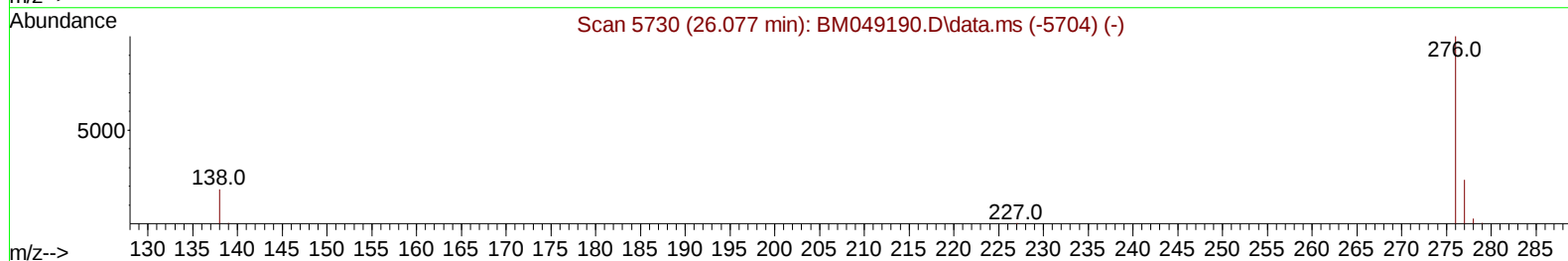
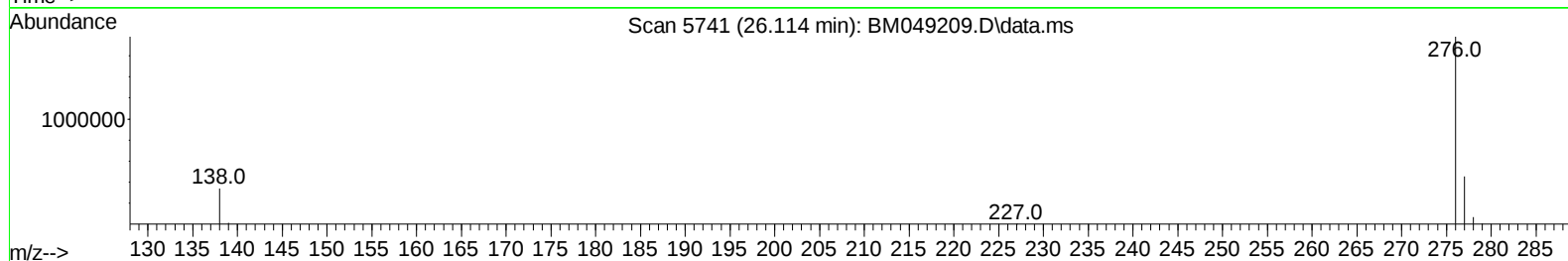
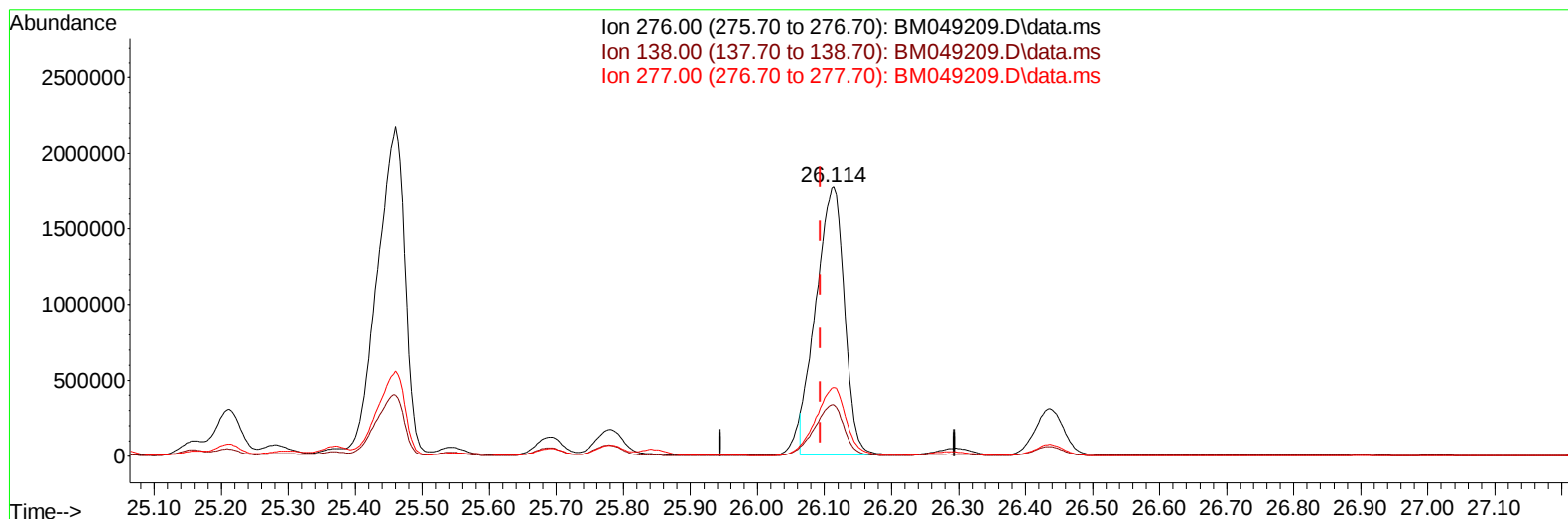
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049209.D
Acq On : 25 Dec 2024 06:45
Operator : RC/JU
Sample : P5333-11
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2913

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:11:25 2024
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Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049209.D\data.ms

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

26.114min (+ 0.020) 30.59 ng/u1

response 5189385

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	20.90	18.98
277.00	24.90	25.47
0.00	0.00	0.00

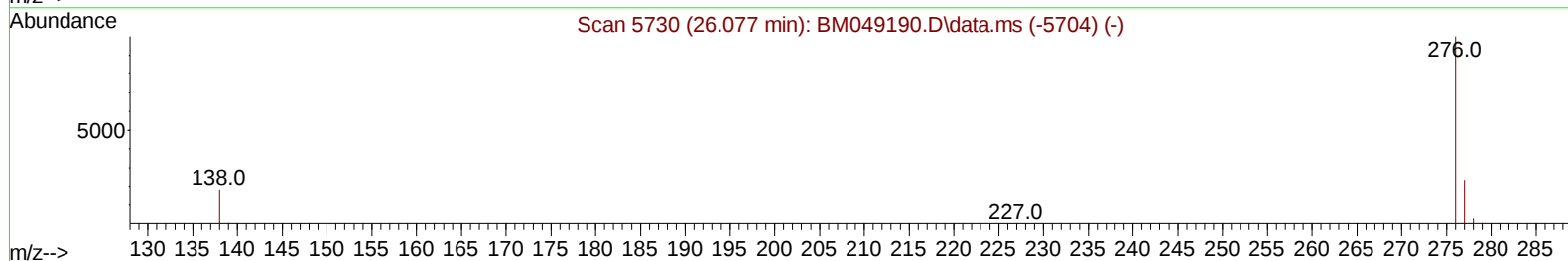
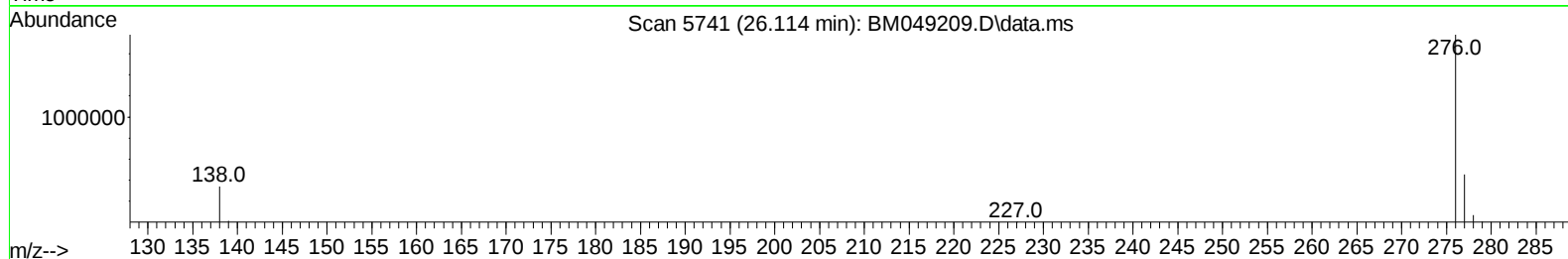
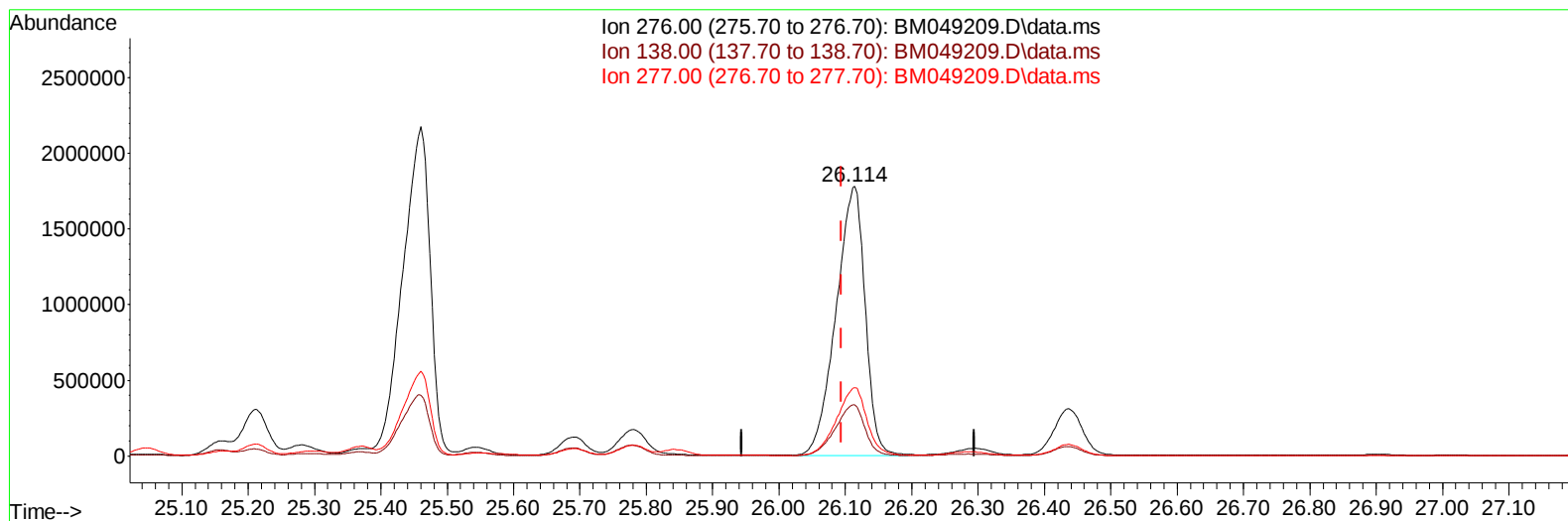
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049209.D
Acq On : 25 Dec 2024 06:45
Operator : RC/JU
Sample : P5333-11
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2913

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:11:25 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 :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049209.D\data.ms

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

26.114min (+ 0.020) 32.08 ng/ul m

response 5443371

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	20.90	18.98
277.00	24.90	25.47
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
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 Operator : RC/JU
 Sample : P5333-11
 Misc :
 ALS Vial : 75 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2913

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/26/2024
 Supervised By :mohammad ahmed 12/26/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.548	152	7789	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.304	136	25347	0.400	ng/ul	#-0.03
9) Acenaphthene-d10	14.183	164	19282	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.939	188	33615m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.149	240	25145m	0.400	ng/ul	0.00
23) Perylene-d12	23.300	264	48656m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.139	96	50314	5.601	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.904	152	12149	0.357	ng/ul	-0.02
18) Fluoranthene-d10	18.979	212	26969m	0.378	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.354	128	1391974	21.938	ng/ul	98
7) 2-Methylnaphthalene	11.976	142	596689	14.844	ng/ul	97
8) 1-Methylnaphthalene	12.201	142	440751	10.707	ng/ul	99
10) Acenaphthylene	13.901	152	55188	0.691	ng/ul#	87
11) Acenaphthene	14.248	153	2175368	37.293	ng/ul	97
12) Fluorene	15.242	166	1898690	28.851	ng/ul	95
15) Phenanthrene	16.998	178	18392706m	209.493	ng/ul	
16) Anthracene	17.074	178	5447861m	67.603	ng/ul	
19) Fluoranthene	19.016	202	19652891m	216.168	ng/ul	
20) Pyrene	19.383	202	17559997m	181.112	ng/ul	
21) Benzo(a)anthracene	21.131	228	10256401m	117.261	ng/ul	
22) Chrysene	21.187	228	10298313m	109.711	ng/ul	
24) Benzo(b)fluoranthene	22.677	252	12732132m	81.906	ng/ul	
25) Benzo(k)fluoranthene	22.712	252	4909829m	28.786	ng/ul	
26) Benzo(a)pyrene	23.221	252	8613671m	57.782	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.460	276	6090255m	28.866	ng/ul	
28) Dibenzo(a,h)anthracene	25.460	278	1769589m	10.795	ng/ul	
29) Benzo(g,h,i)perylene	26.114	276	5443371m	32.084	ng/ul	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
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Operator : RC/JU
Sample : P5333-11
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2913

Manual IntegrationsAPPROVED

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