

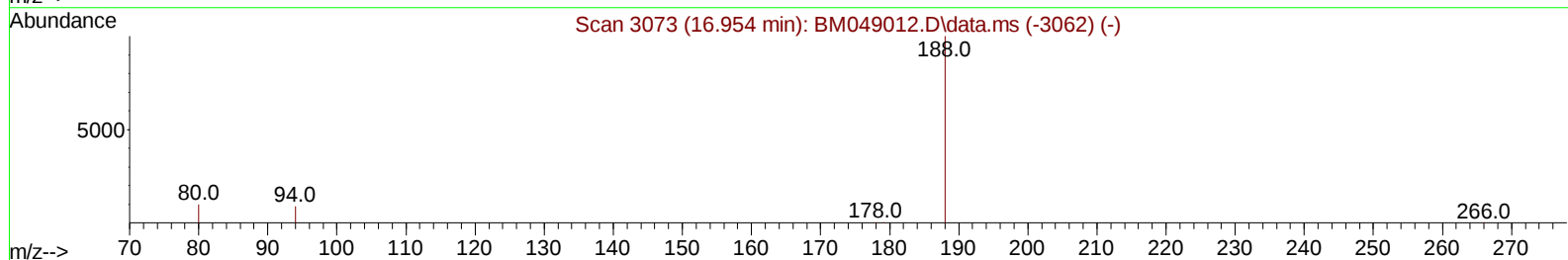
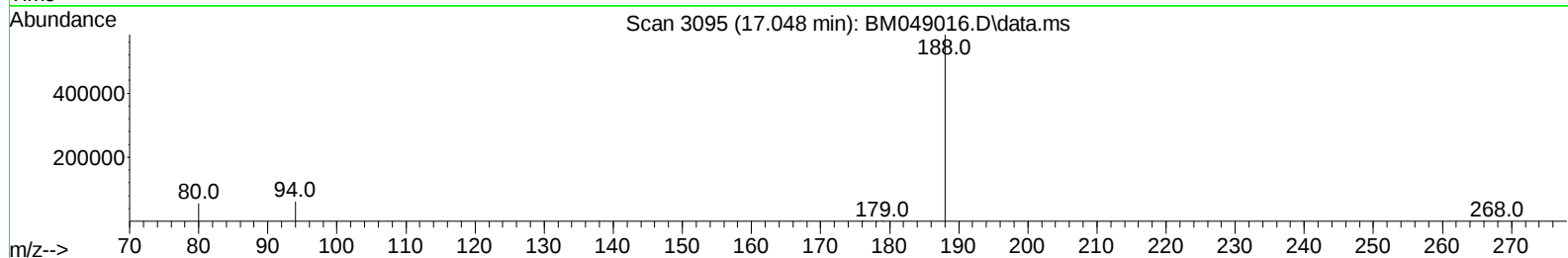
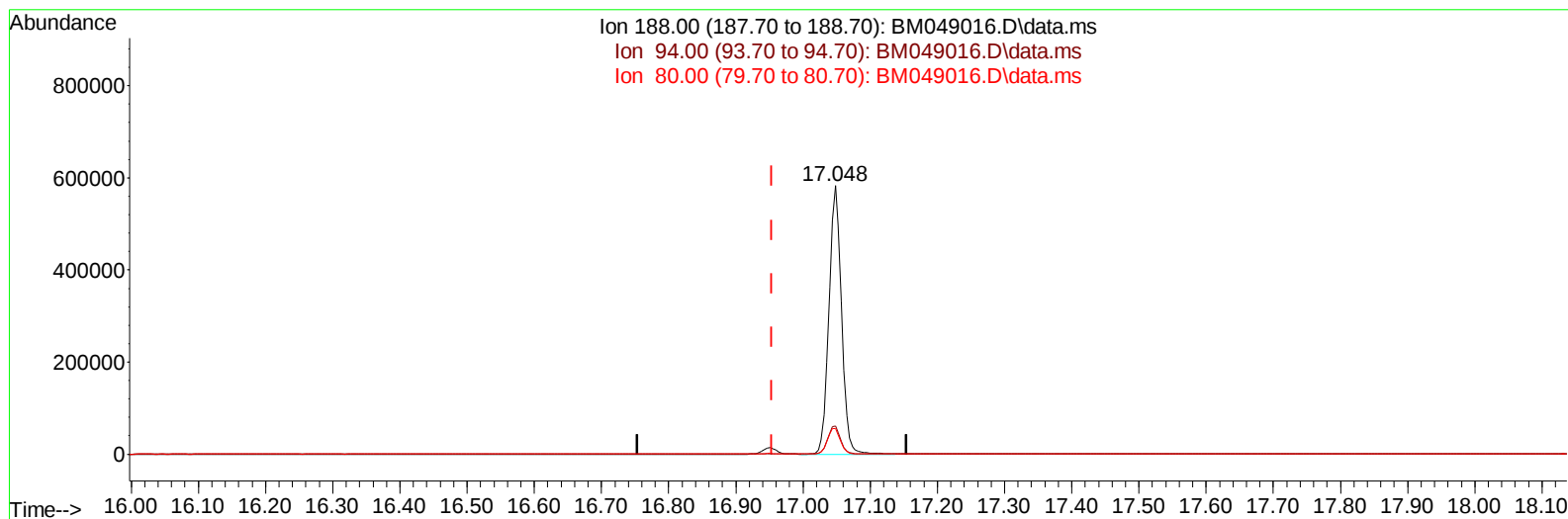
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049016.D
Acq On : 17 Dec 2024 11:39
Operator : RC/JU
Sample : P5155-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:23:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049016.D\data.ms

(13) Phenanthrene-d10 (I)

17.048min (+ 0.094) 0.40 ng/u1

response 752266

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	12.10	10.51
80.00	13.90	9.55#
0.00	0.00	0.00

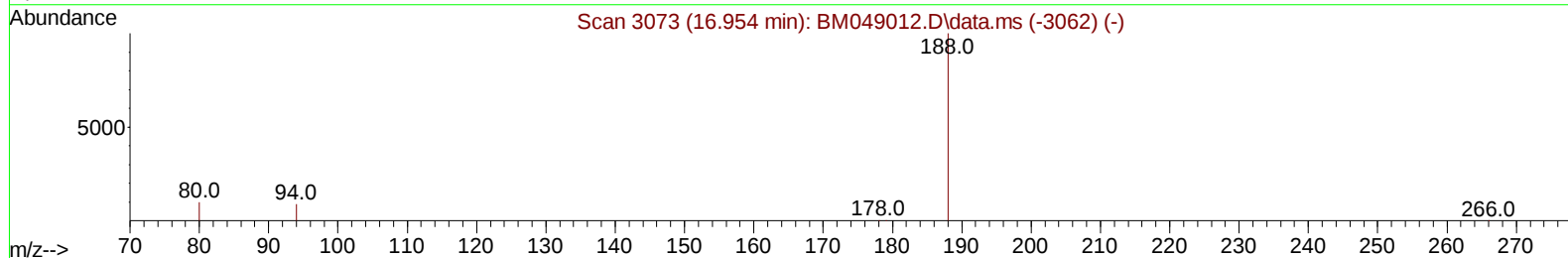
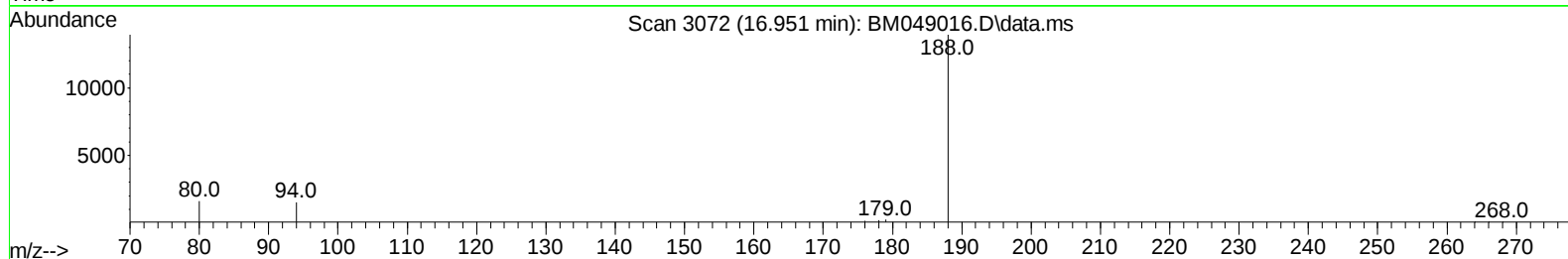
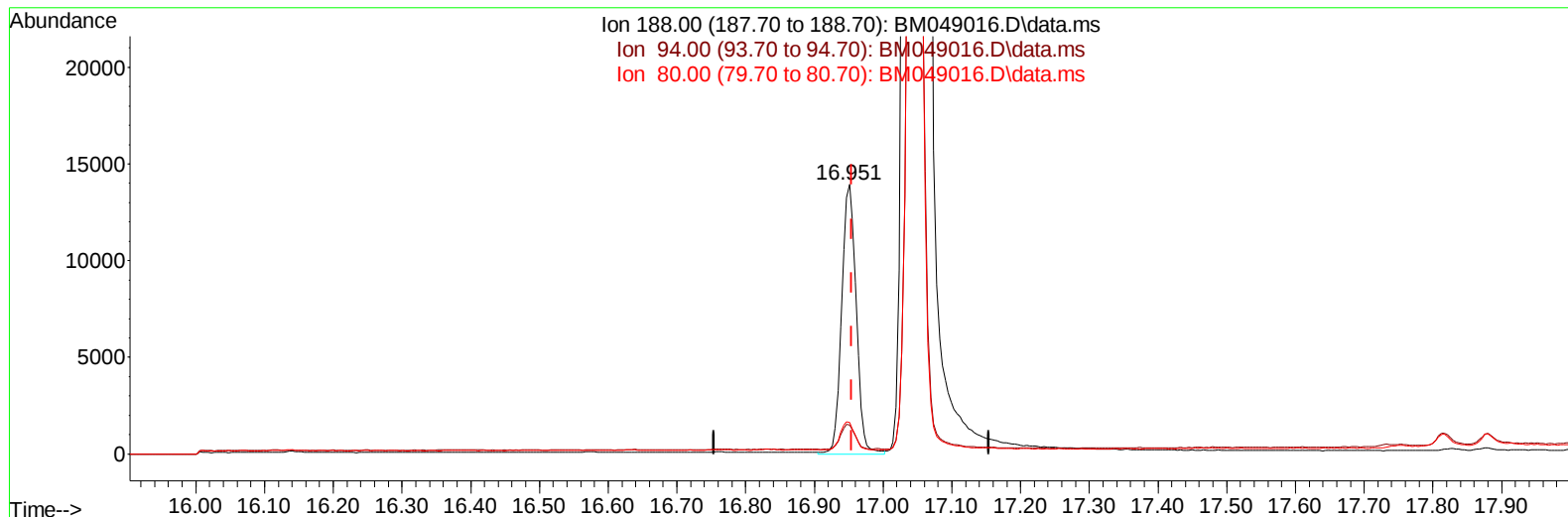
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049016.D
Acq On : 17 Dec 2024 11:39
Operator : RC/JU
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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:23:00 2024
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Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049016.D\data.ms

(13) Phenanthrene-d10 (I)

16.951min (-0.003) 0.40 ng/ul m

response 20501

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	12.10	10.75
80.00	13.90	11.72
0.00	0.00	0.00

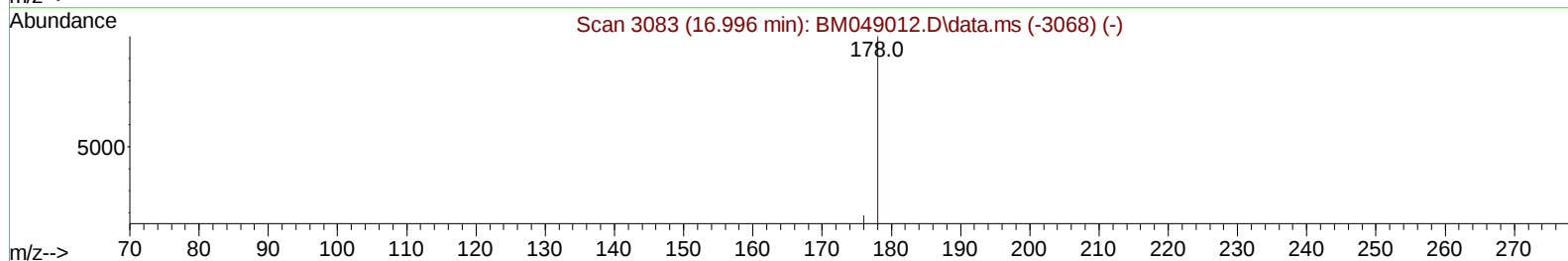
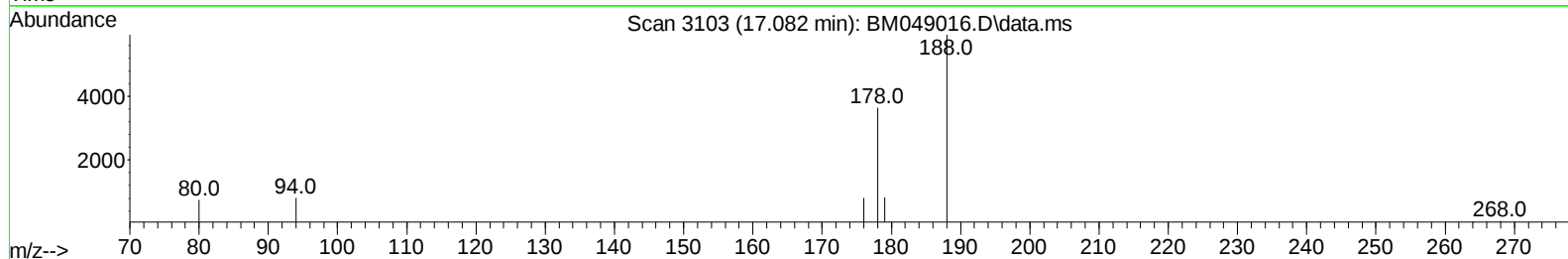
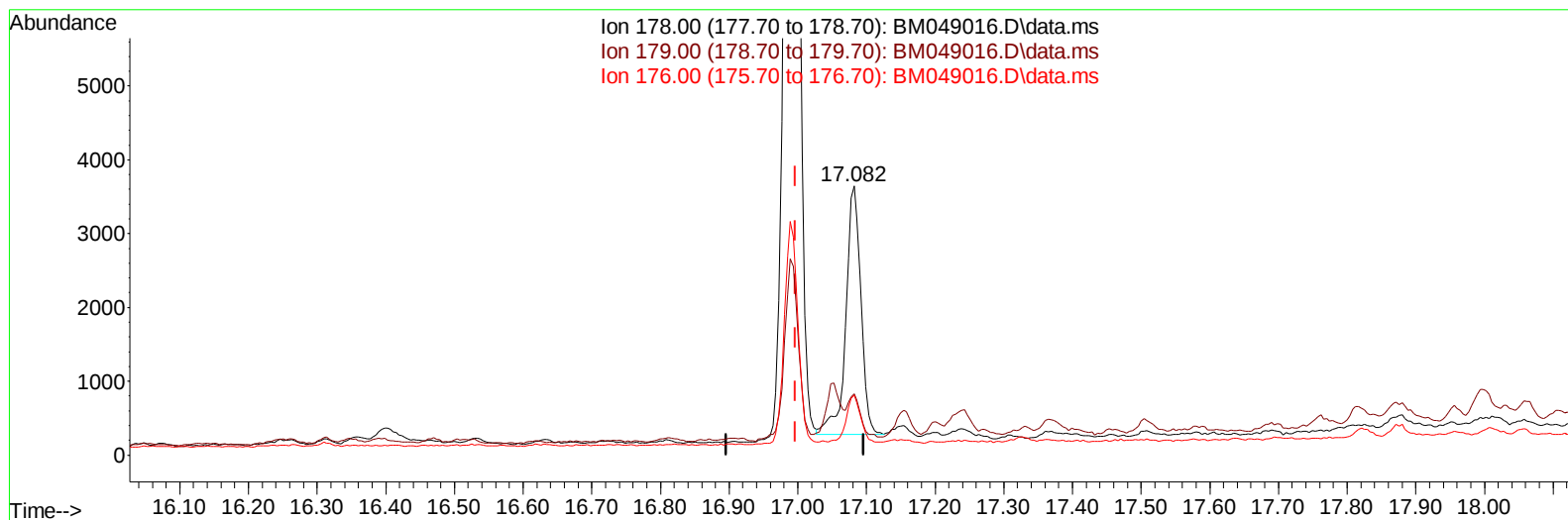
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049016.D
Acq On : 17 Dec 2024 11:39
Operator : RC/JU
Sample : P5155-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:23:00 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
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Reviewed By :Yogesh Patel 12/18/2024
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TIC: BM049016.D\data.ms

(15) Phenanthrene

17.082min (+ 0.086) 0.09 ng/u1

response 5115

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.30	22.73#
176.00	19.80	22.26
0.00	0.00	0.00

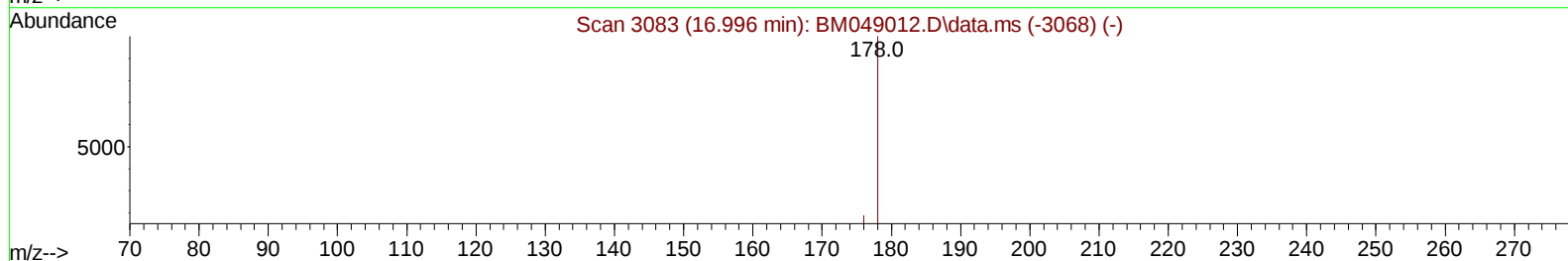
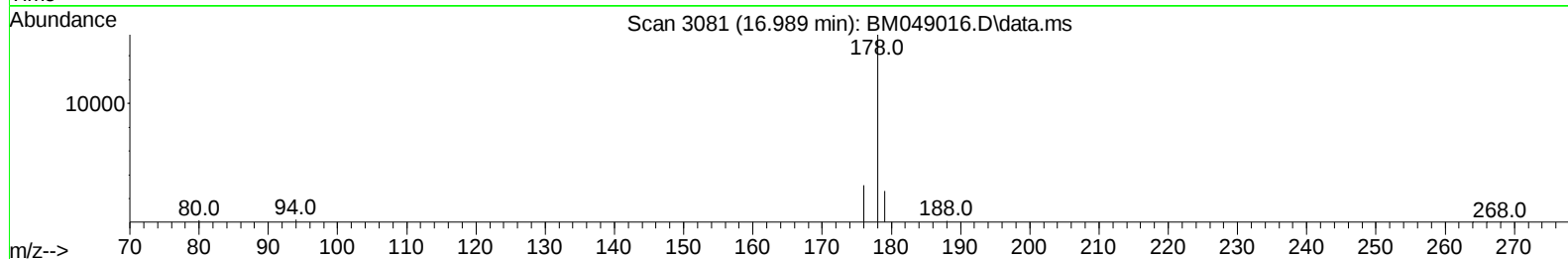
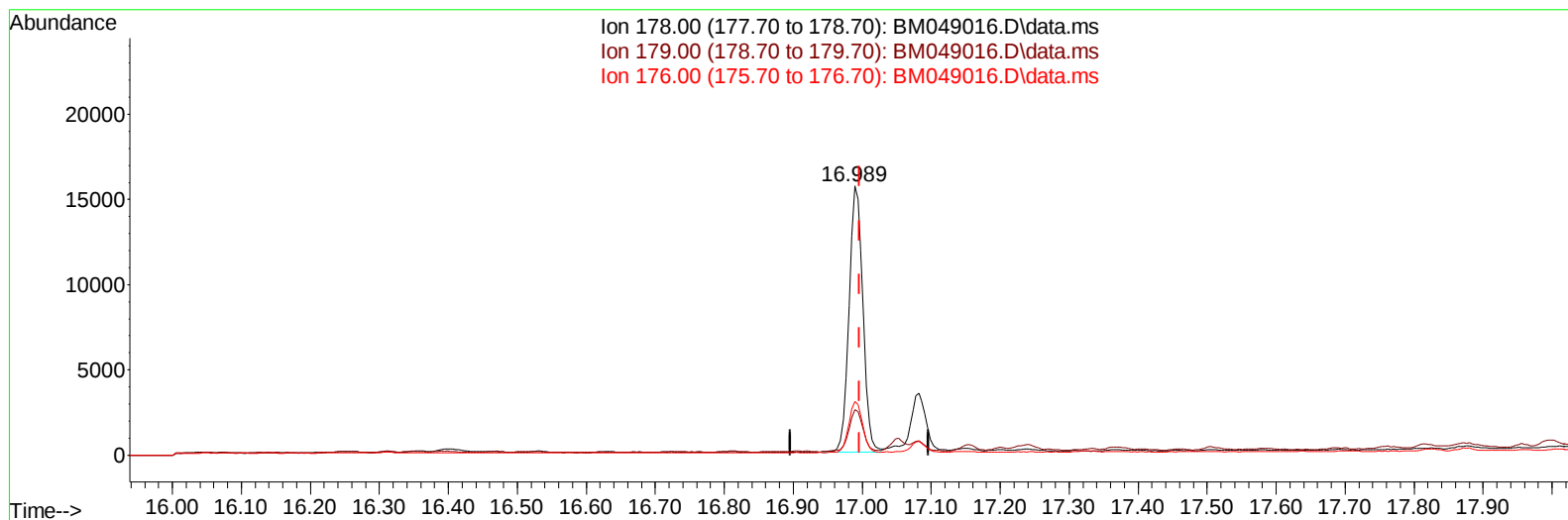
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049016.D
Acq On : 17 Dec 2024 11:39
Operator : RC/JU
Sample : P5155-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:23:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049016.D\data.ms

(15) Phenanthrene

16.989min (-0.007) 0.39 ng/u1 m

response 21670

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.30	16.82
176.00	19.80	20.05
0.00	0.00	0.00

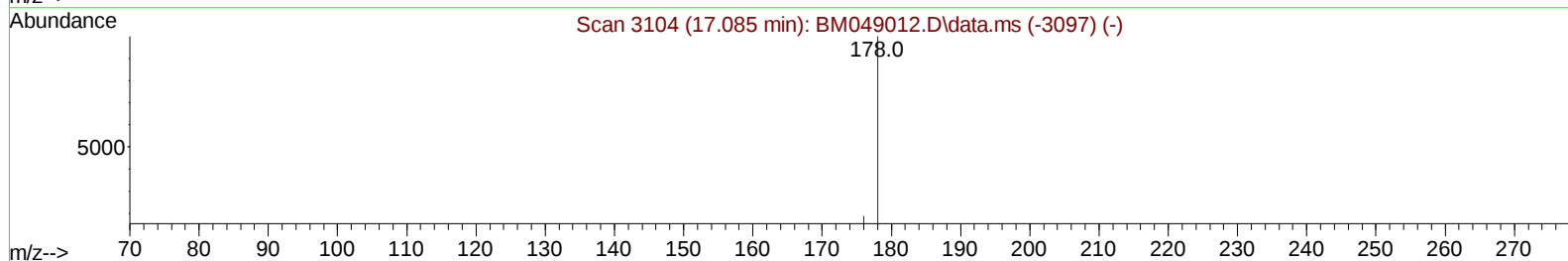
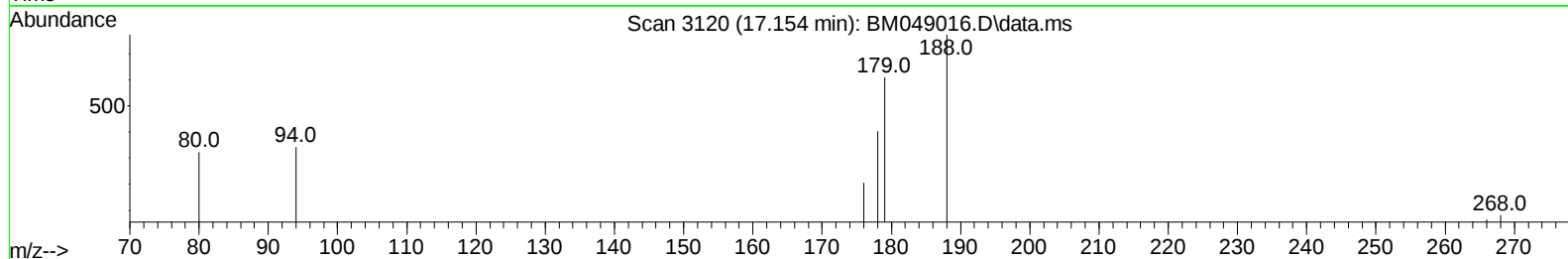
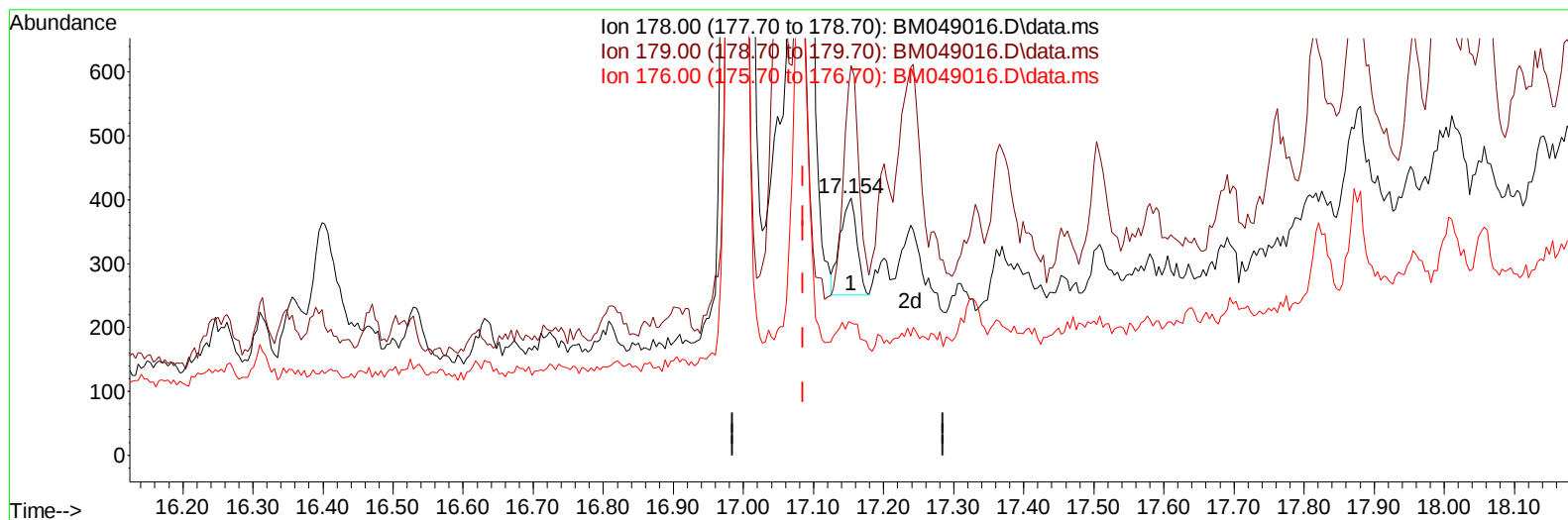
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049016.D
Acq On : 17 Dec 2024 11:39
Operator : RC/JU
Sample : P5155-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:23:00 2024
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Supervised By :mohammad ahmed 12/18/2024



TIC: BM049016.D\data.ms

(16) Anthracene

17.154min (+ 0.069) 0.01 ng/u1

response 253

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	151.36#
176.00	18.80	51.36#
0.00	0.00	0.00

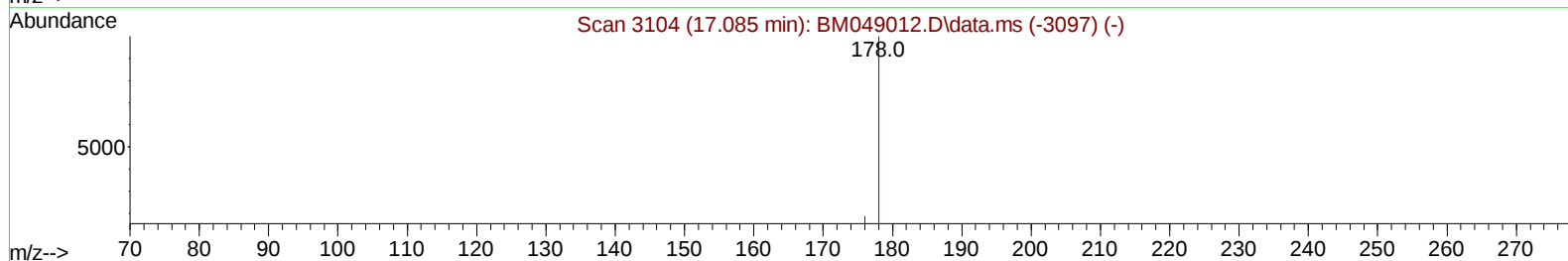
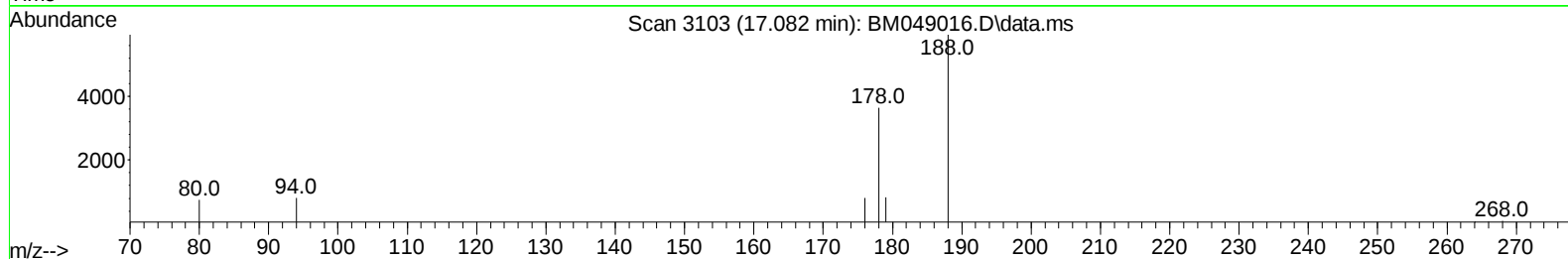
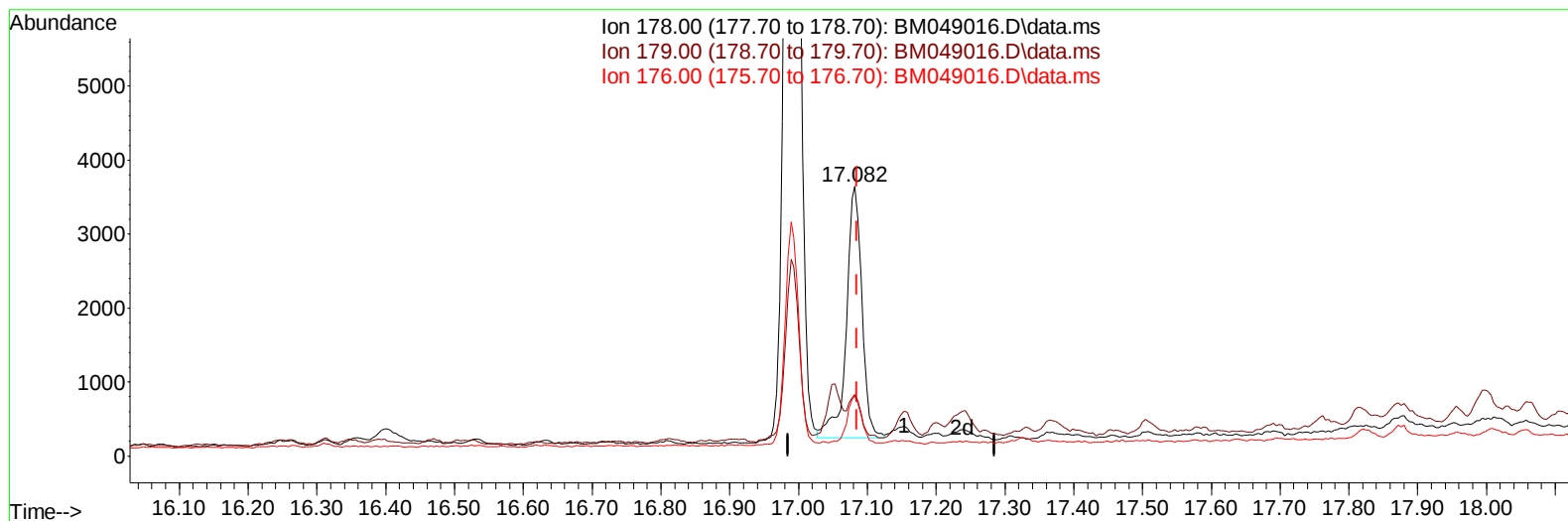
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049016.D
Acq On : 17 Dec 2024 11:39
Operator : RC/JU
Sample : P5155-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:23:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049016.D\data.ms

(16) Anthracene

17.082min (-0.003) 0.11 ng/u1 m

response 5336

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	22.73#
176.00	18.80	22.26
0.00	0.00	0.00

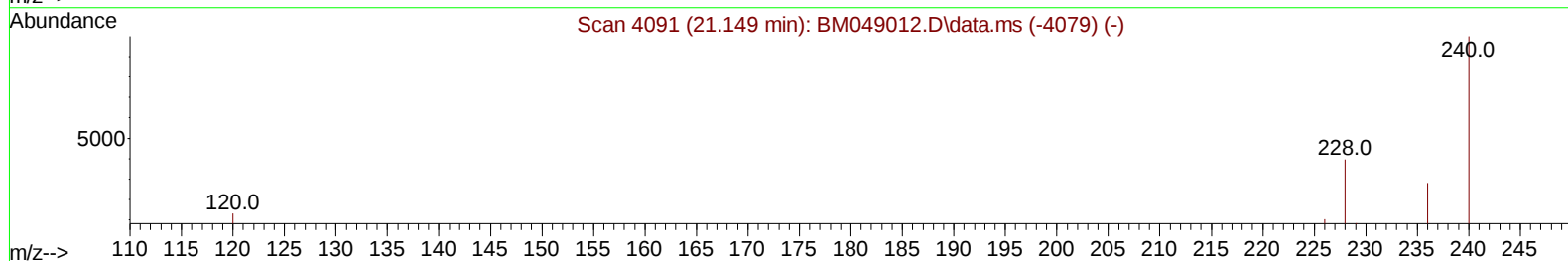
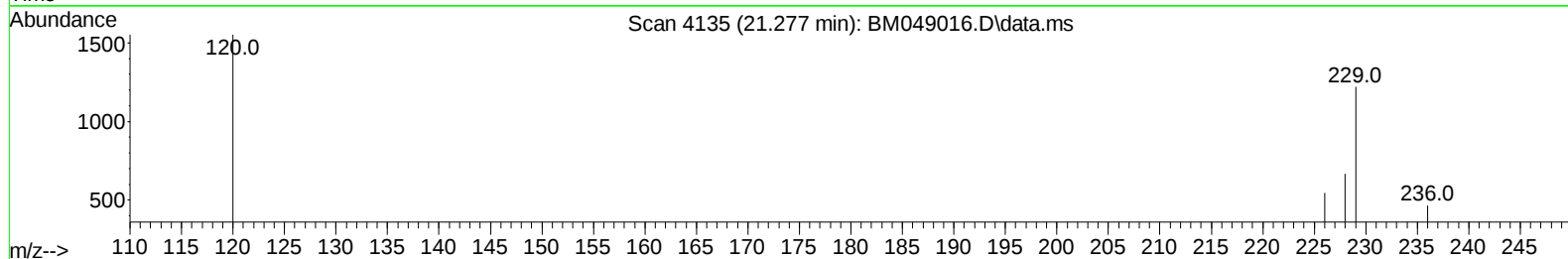
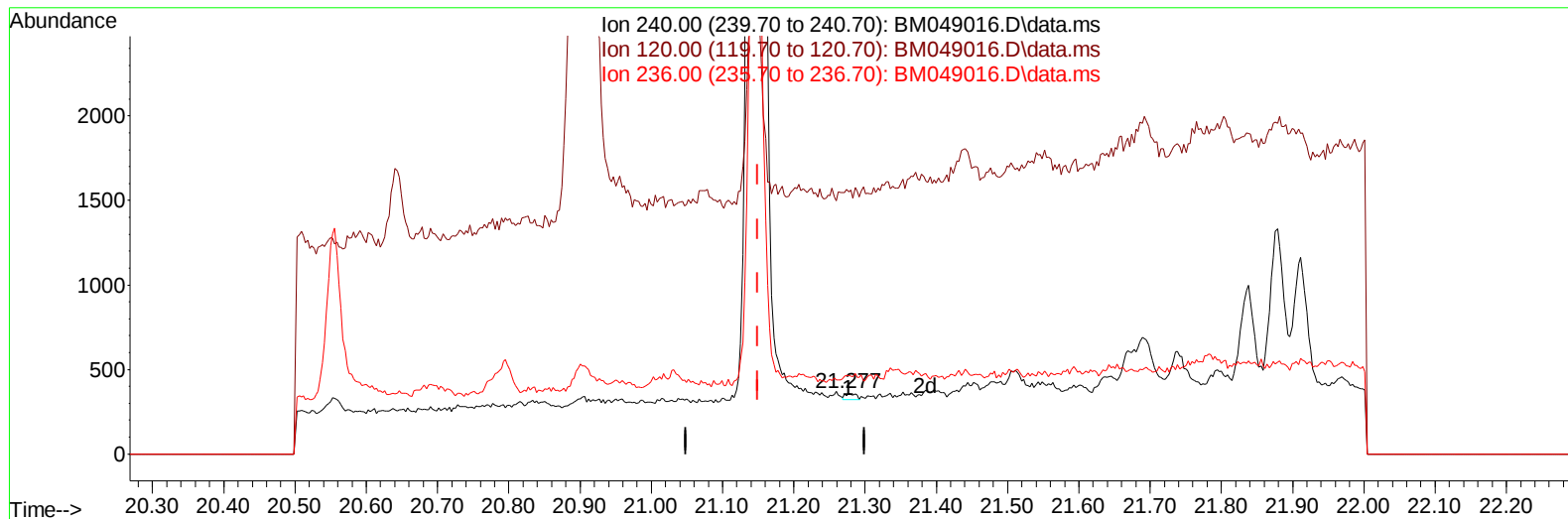
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049016.D
Acq On : 17 Dec 2024 11:39
Operator : RC/JU
Sample : P5155-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:23:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
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TIC: BM049016.D\data.ms

(17) Chrysene-d12

21.277min (+ 0.128) 0.40 ng/u1

response 36

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.30	431.11#
236.00	30.50	129.44#
0.00	0.00	0.00

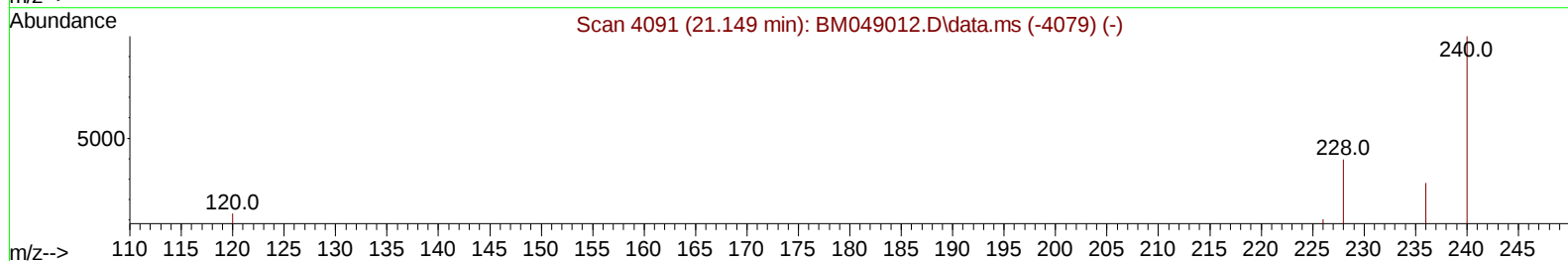
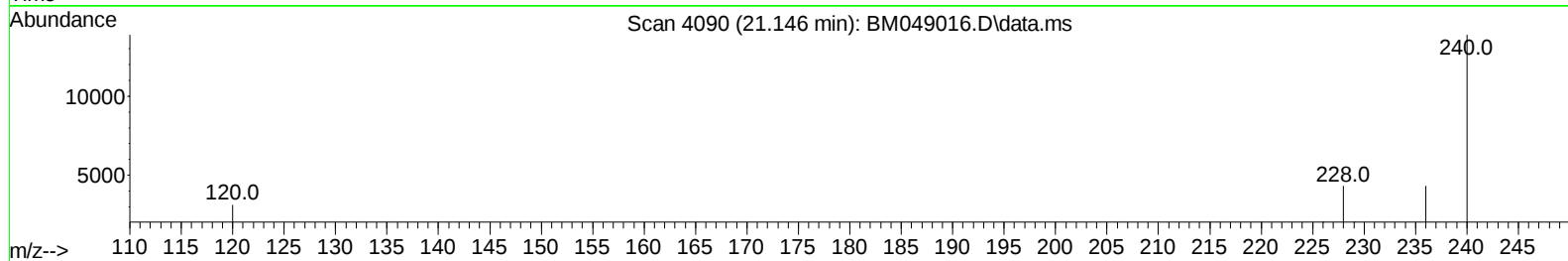
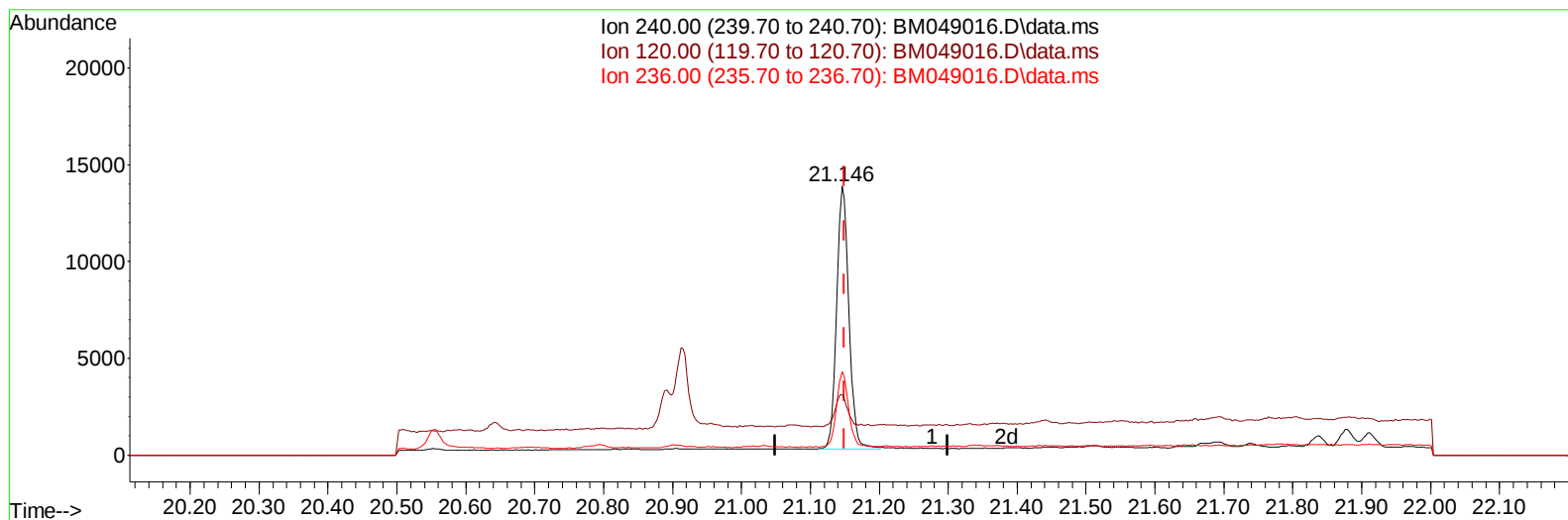
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049016.D
Acq On : 17 Dec 2024 11:39
Operator : RC/JU
Sample : P5155-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:23:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049016.D\data.ms

(17) Chrysene-d12

21.146min (-0.003) 0.40 ng/ul m

response 16774

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.30	22.42#
236.00	30.50	31.00
0.00	0.00	0.00

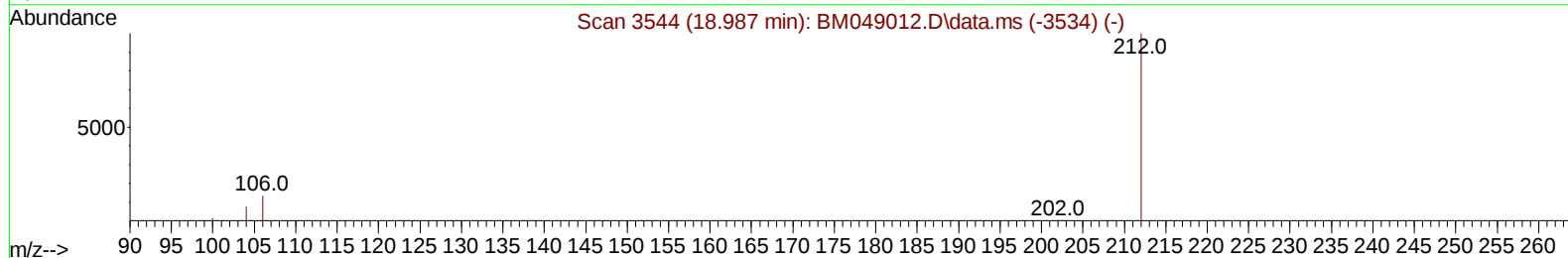
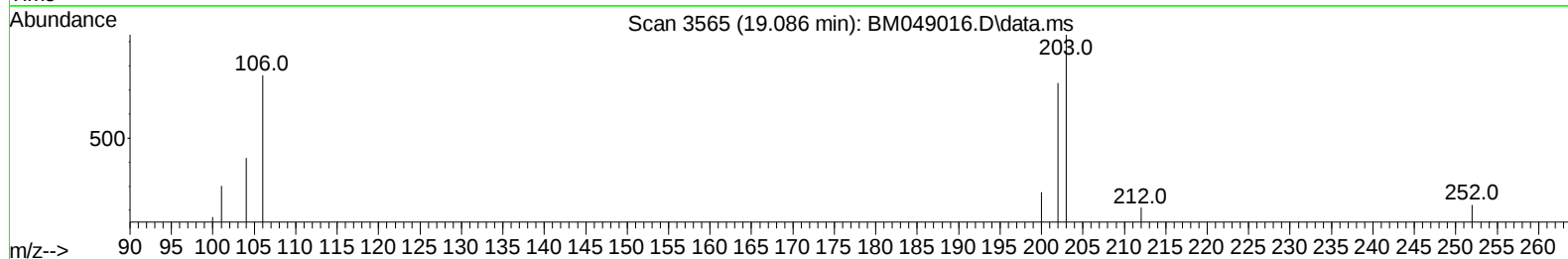
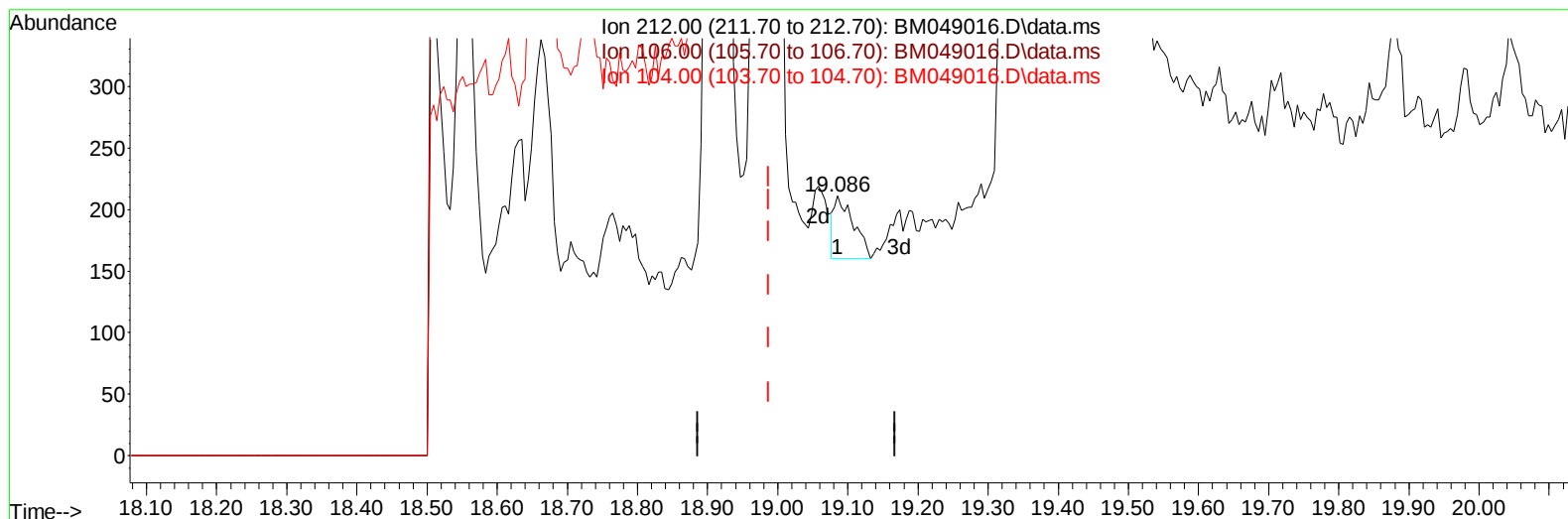
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049016.D
Acq On : 17 Dec 2024 11:39
Operator : RC/JU
Sample : P5155-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:23:00 2024
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TIC: BM049016.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.086min (+ 0.099) 0.00 ng/u1

response 96

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	15.90	0.00#
104.00	8.70	0.00#
0.00	0.00	0.00

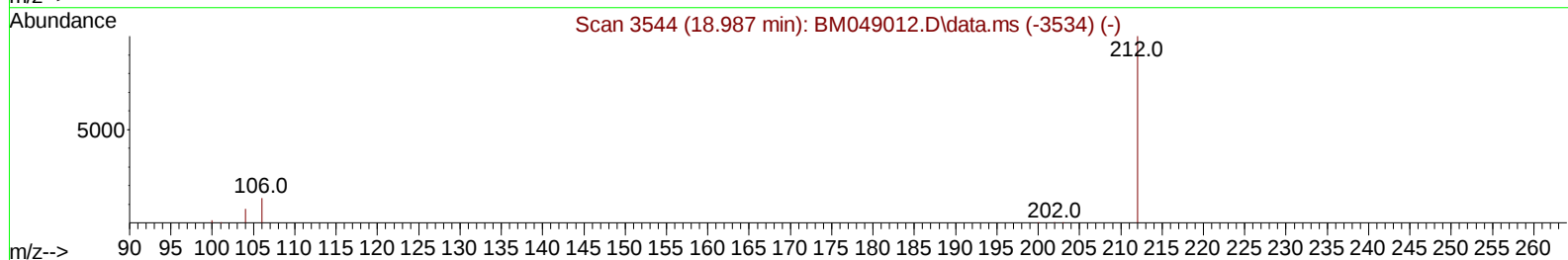
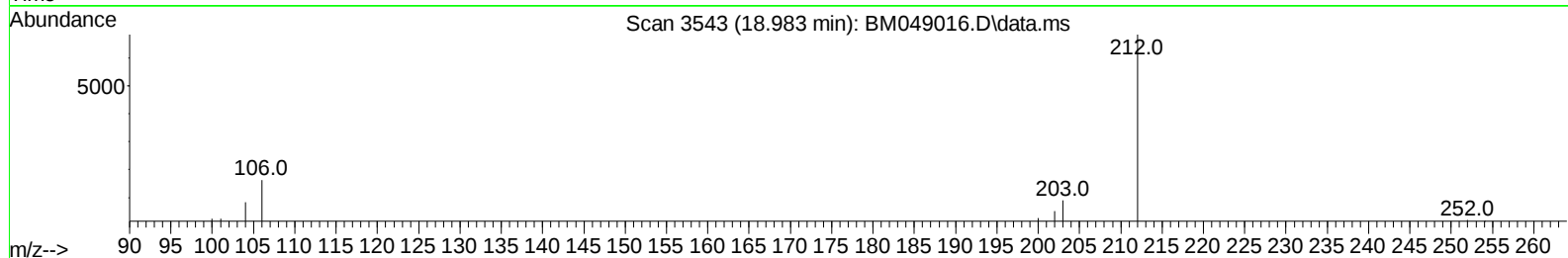
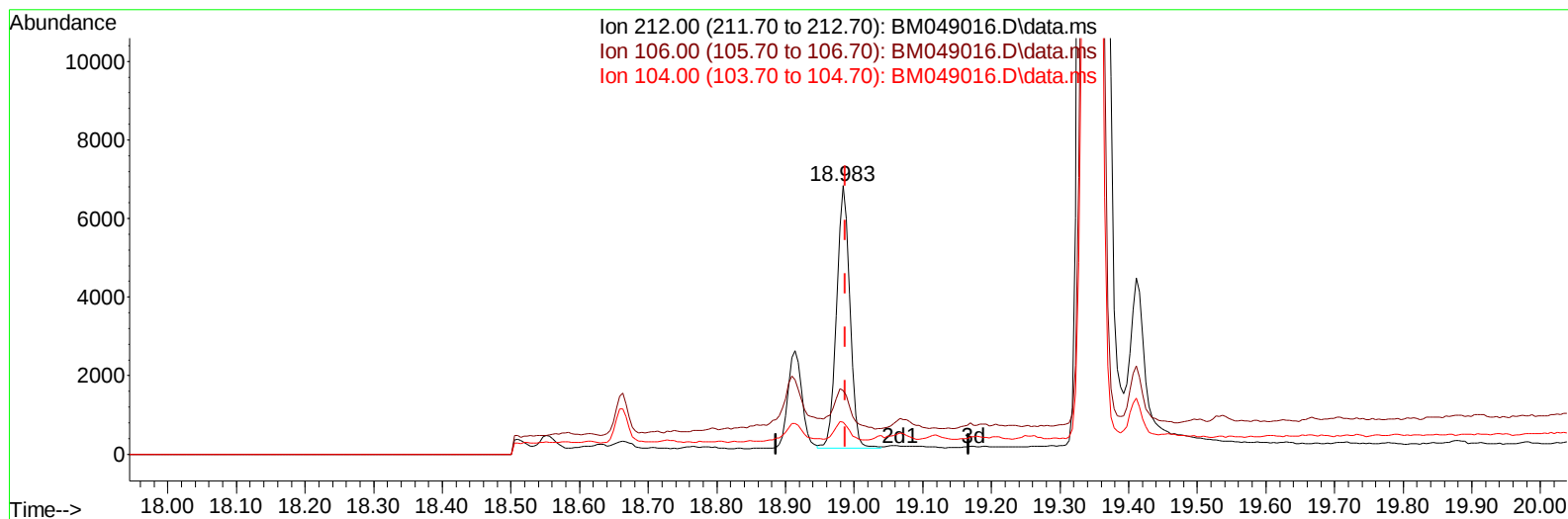
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049016.D
Acq On : 17 Dec 2024 11:39
Operator : RC/JU
Sample : P5155-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:23:00 2024
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TIC: BM049016.D\data.ms

(18) Fluoranthene-d10 (SURR)

18.983min (-0.003) 0.18 ng/ul m

response 8835

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	15.90	0.00#
104.00	8.70	0.00#
0.00	0.00	0.00

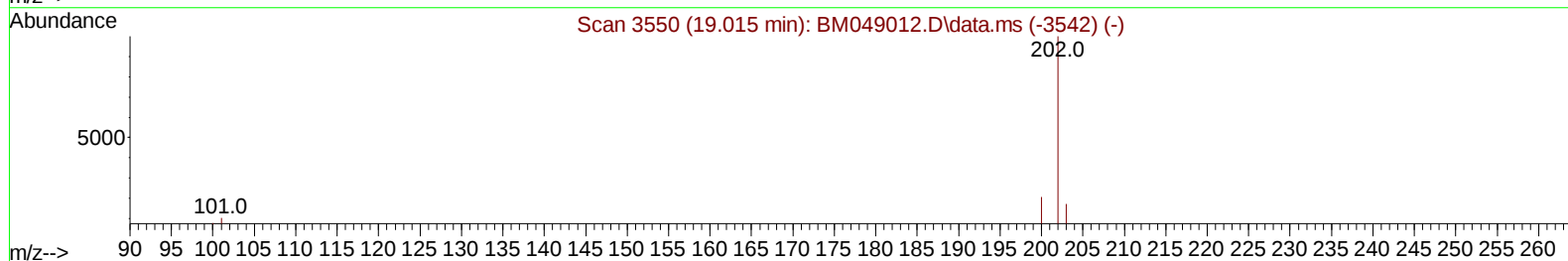
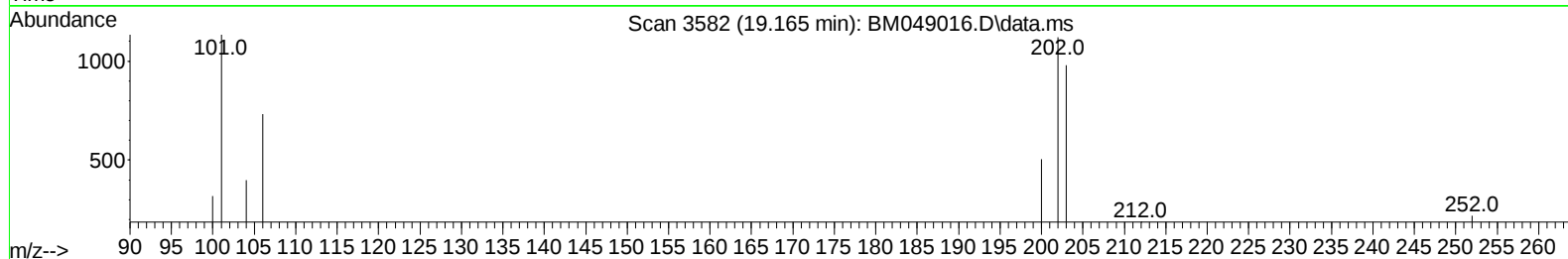
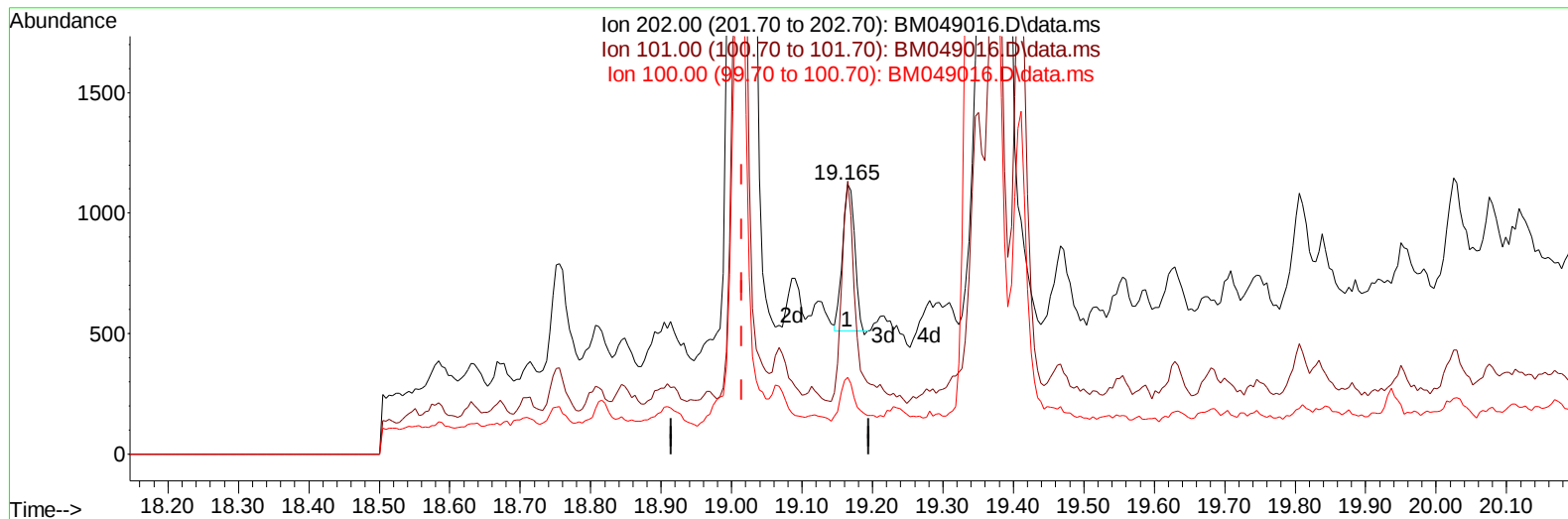
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049016.D
Acq On : 17 Dec 2024 11:39
Operator : RC/JU
Sample : P5155-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:23:00 2024
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Supervised By :mohammad ahmed 12/18/2024



TIC: BM049016.D\data.ms

(19) Fluoranthene (C)

19.165min (+ 0.150) 0.01 ng/u1

response 743

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	12.10	101.25#
100.00	9.10	28.33#
0.00	0.00	0.00

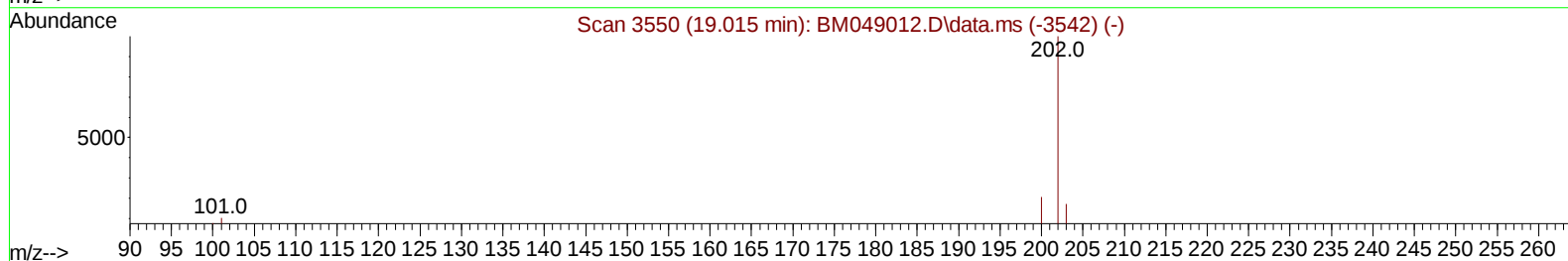
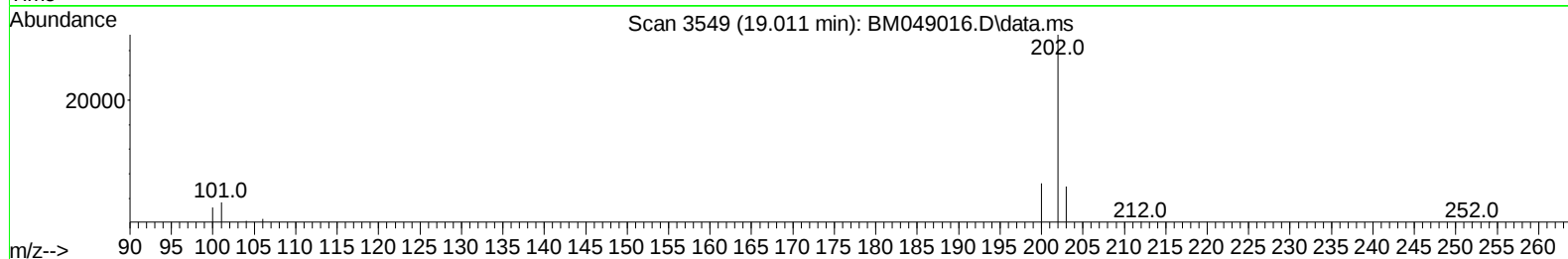
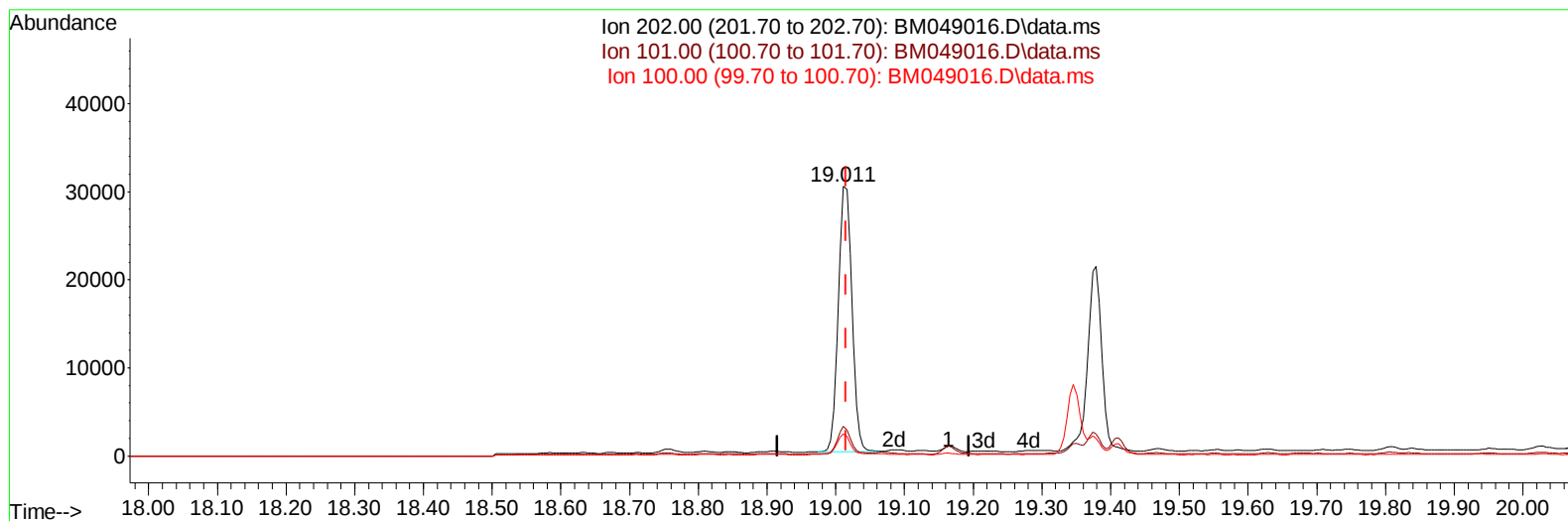
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
 Data File : BM049016.D
 Acq On : 17 Dec 2024 11:39
 Operator : RC/JU
 Sample : P5155-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28Q6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:23:00 2024
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 QLast Update : Tue Dec 17 10:03:27 2024
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Reviewed By :Yogesh Patel 12/18/2024
 Supervised By :mohammad ahmed 12/18/2024



TIC: BM049016.D\data.ms

(19) Fluoranthene (C)

19.011min (-0.003) 0.58 ng/ul m

response 40421

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	12.10	10.87
100.00	9.10	8.16
0.00	0.00	0.00

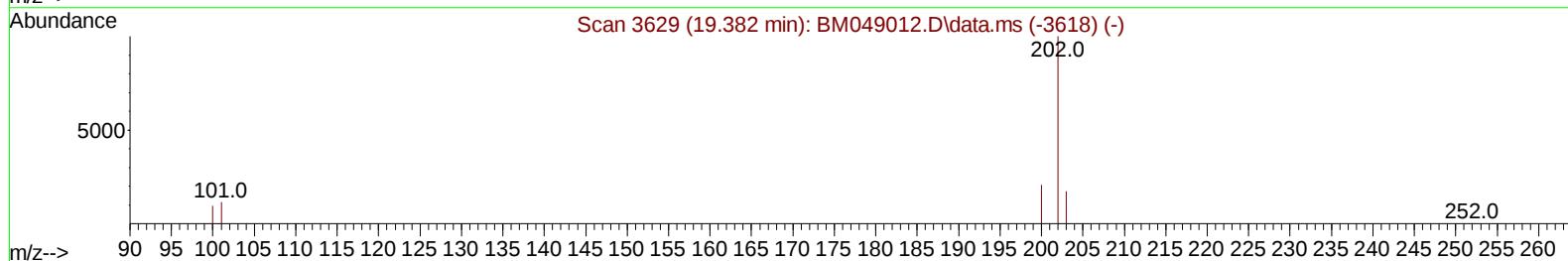
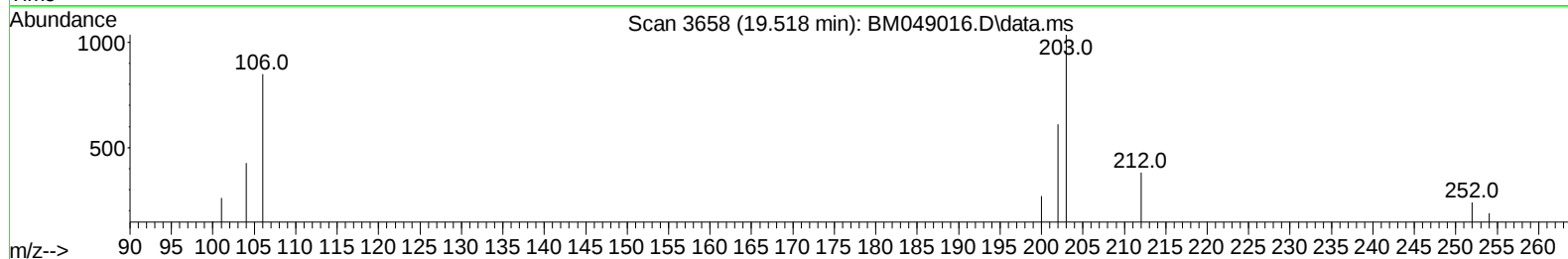
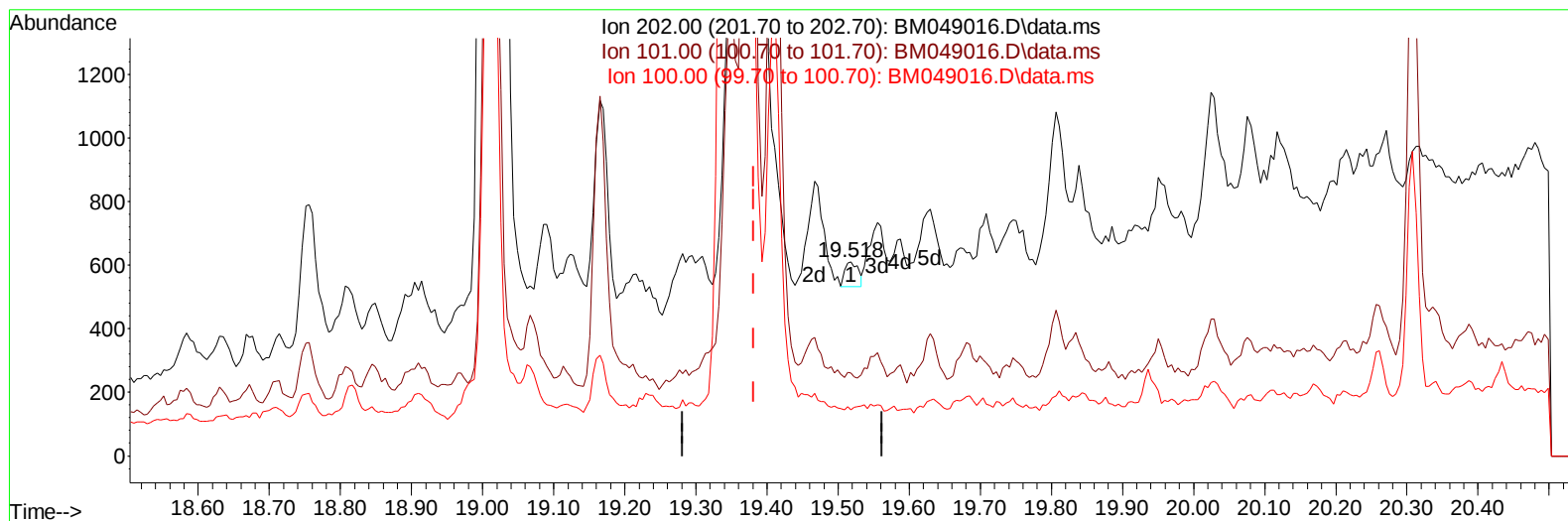
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
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Acq On : 17 Dec 2024 11:39
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Sample : P5155-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:23:00 2024
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Supervised By :mohammad ahmed 12/18/2024



TIC: BM049016.D\data.ms

(20) Pyrene

19.518min (+ 0.136) 0.00 ng/u1

response 101

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	13.30	42.55#
100.00	10.50	23.73#
0.00	0.00	0.00

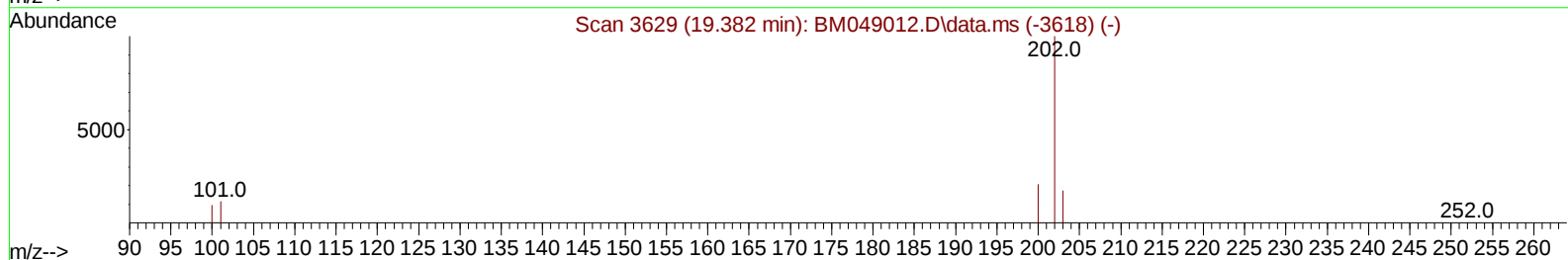
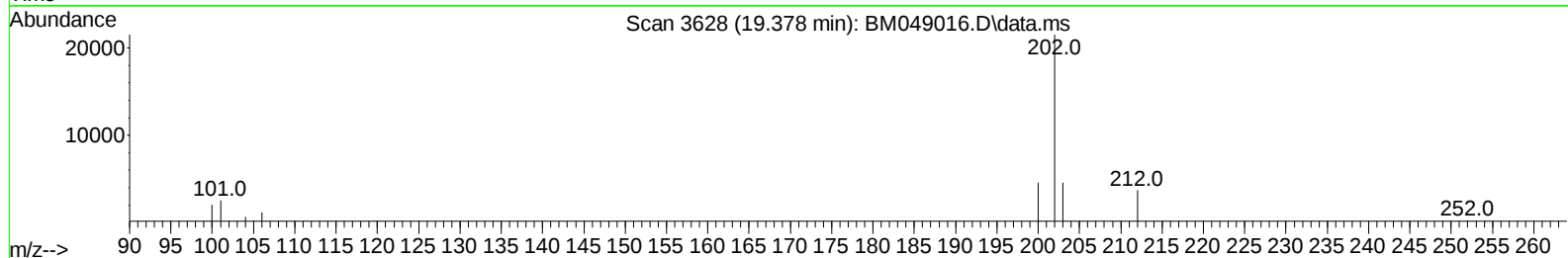
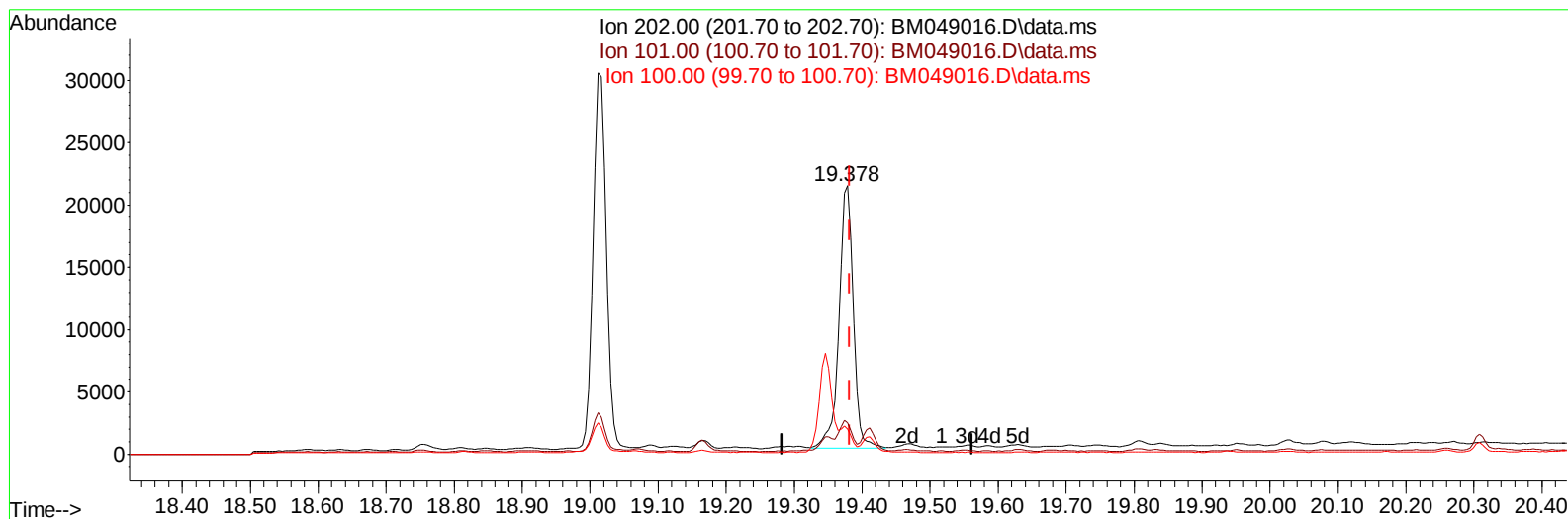
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049016.D
Acq On : 17 Dec 2024 11:39
Operator : RC/JU
Sample : P5155-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:23:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049016.D\data.ms

(20) Pyrene

19.378min (-0.003) 0.41 ng/ul m

response 30697

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	13.30	11.69
100.00	10.50	9.37
0.00	0.00	0.00

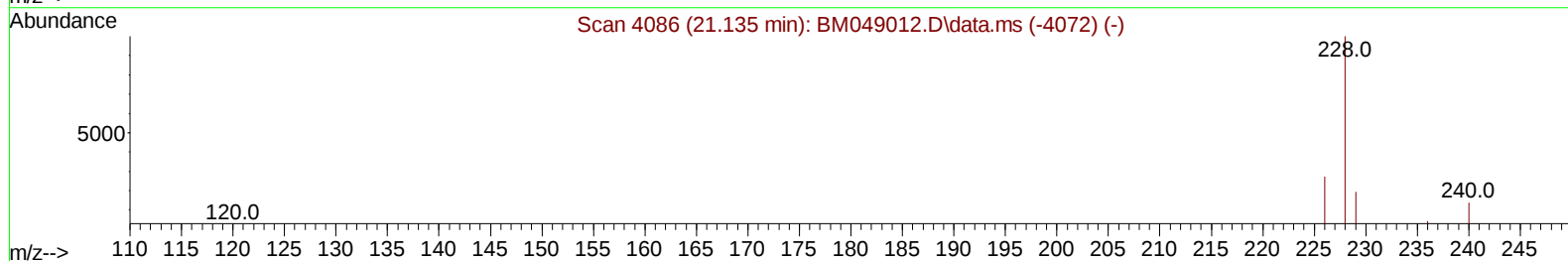
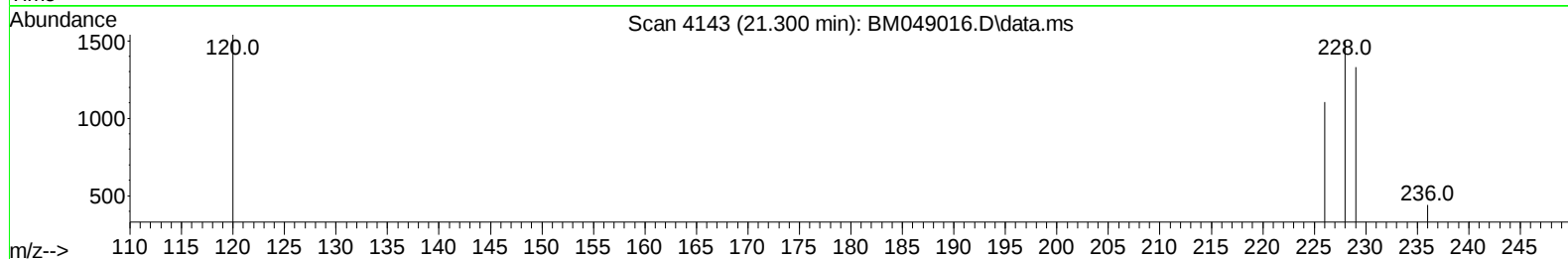
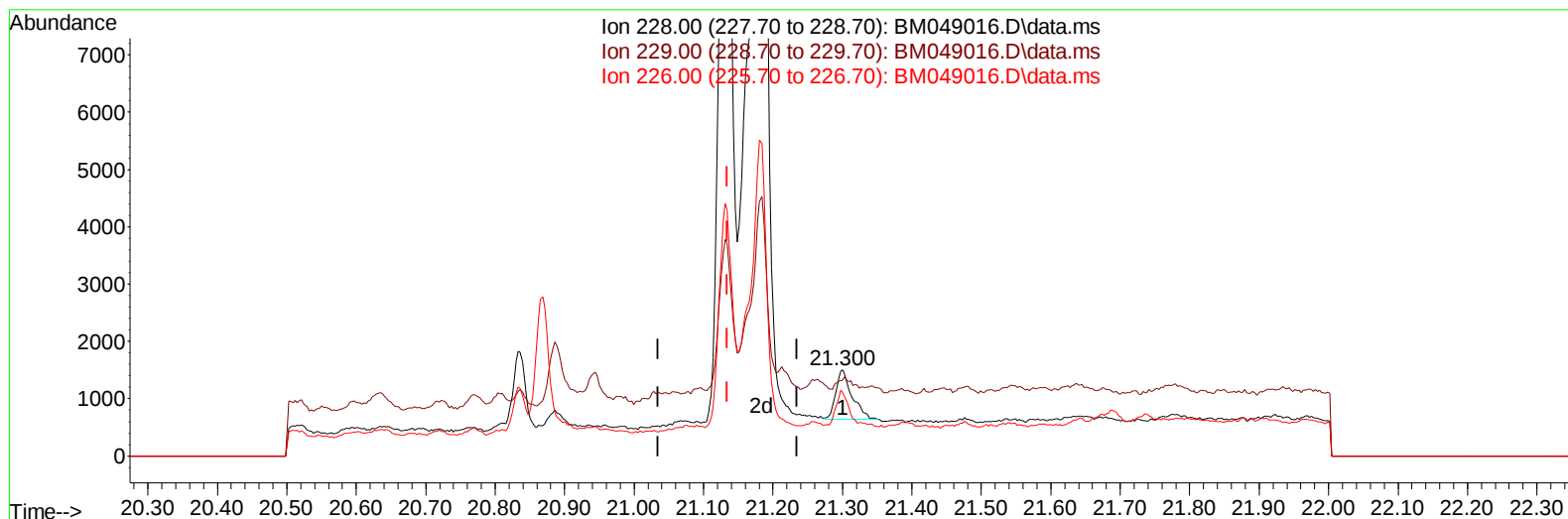
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049016.D
Acq On : 17 Dec 2024 11:39
Operator : RC/JU
Sample : P5155-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:23:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049016.D\data.ms

(21) Benzo(a)anthracene

21.300min (+ 0.166) 0.02 ng/u1

response 1401

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	88.74#
226.00	28.70	73.55#
0.00	0.00	0.00

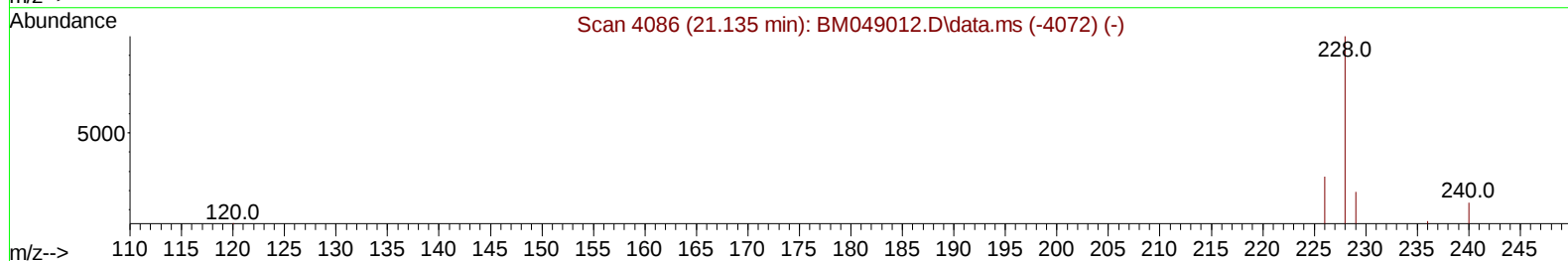
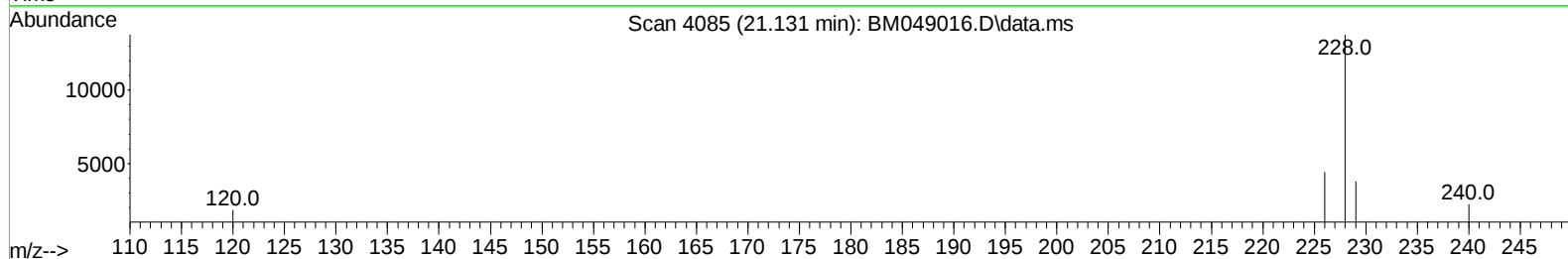
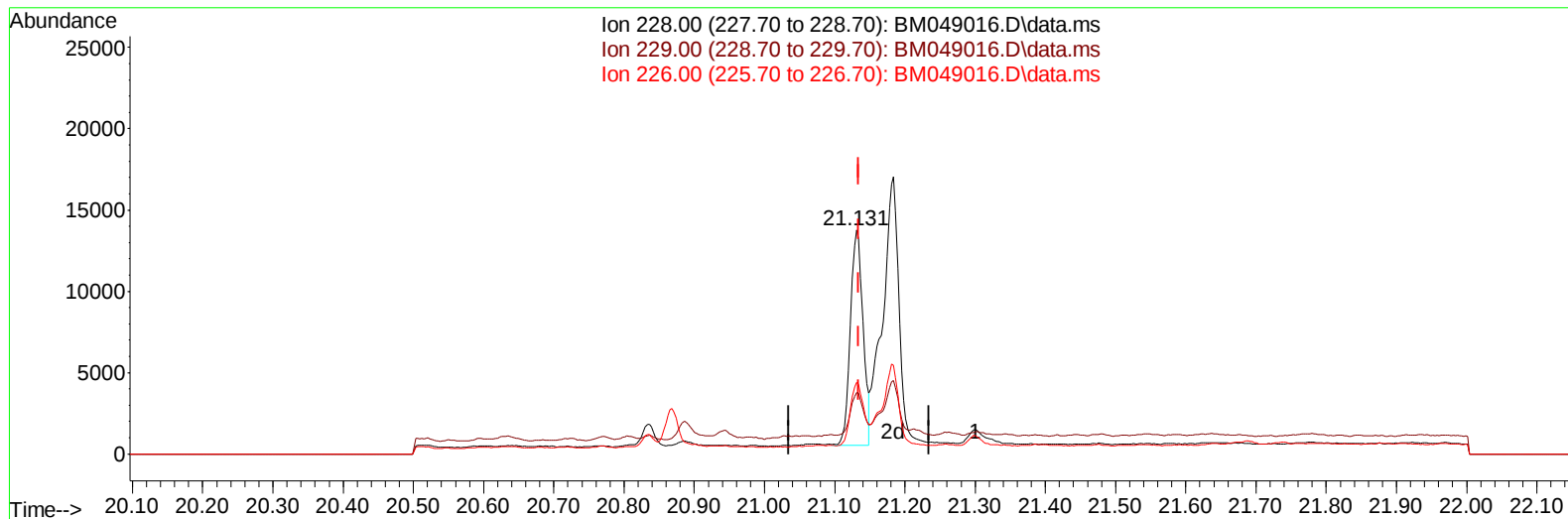
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049016.D
Acq On : 17 Dec 2024 11:39
Operator : RC/JU
Sample : P5155-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:23:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049016.D\data.ms

(21) Benzo(a)anthracene

21.131min (-0.003) 0.28 ng/u1 m

response 16733

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	27.45#
226.00	28.70	32.03
0.00	0.00	0.00

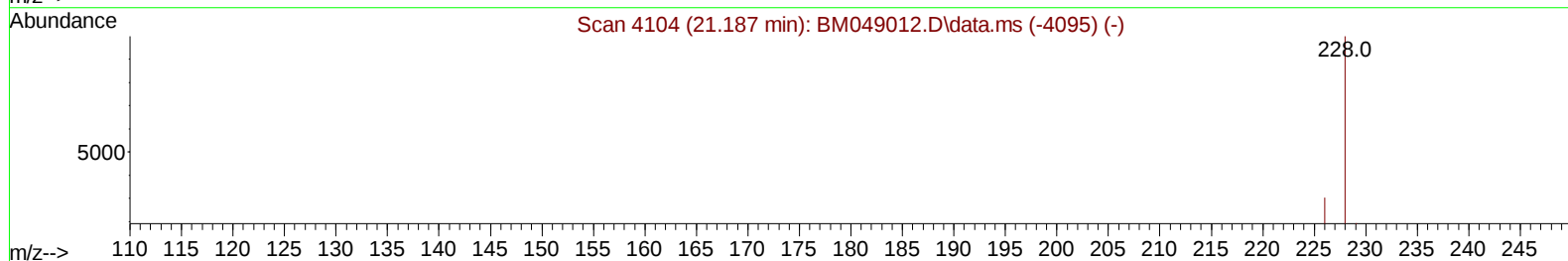
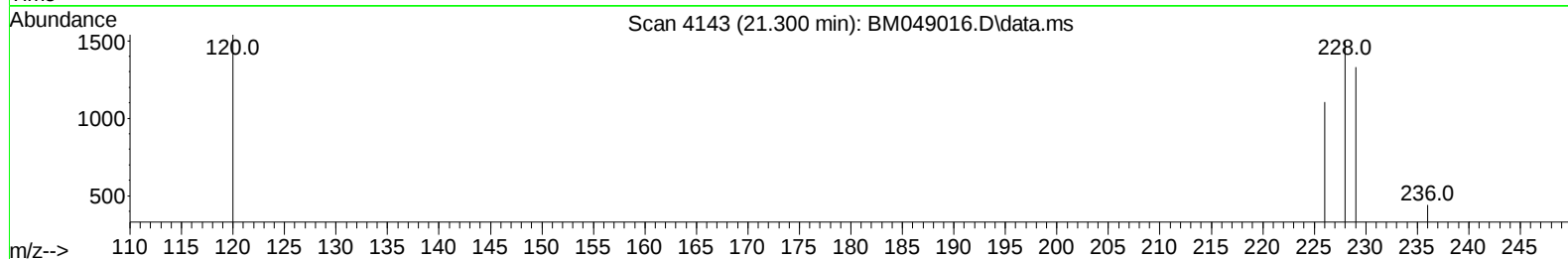
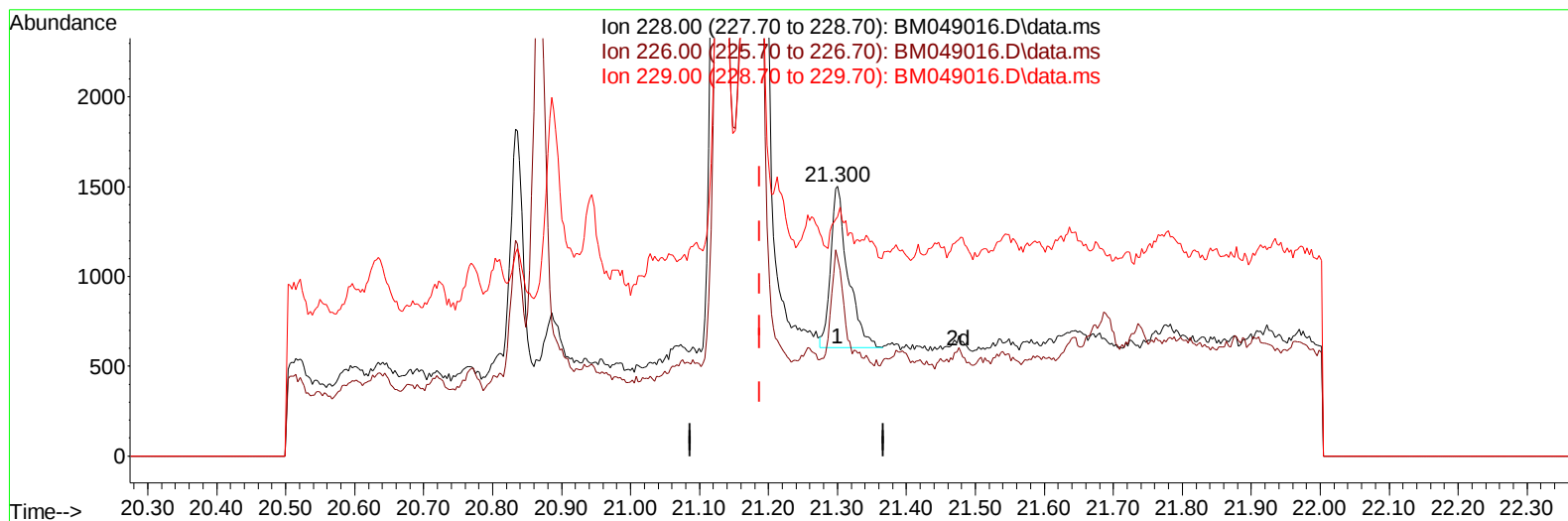
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049016.D
Acq On : 17 Dec 2024 11:39
Operator : RC/JU
Sample : P5155-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:23:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049016.D\data.ms

(22) Chrysene

21.300min (+ 0.113) 0.02 ng/u1

response 1570

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	31.00	73.55#
229.00	20.00	88.74#
0.00	0.00	0.00

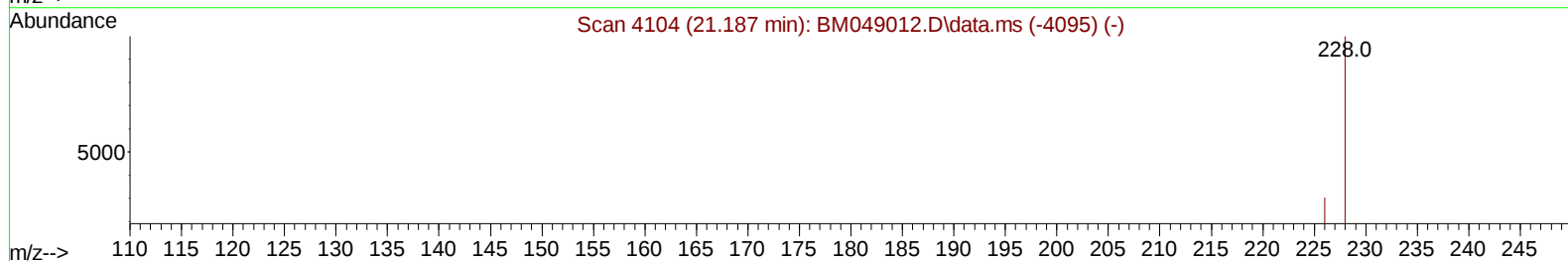
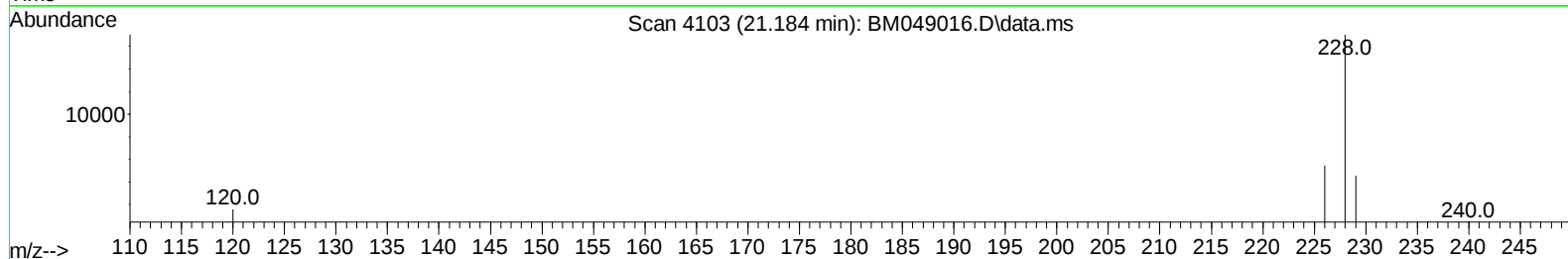
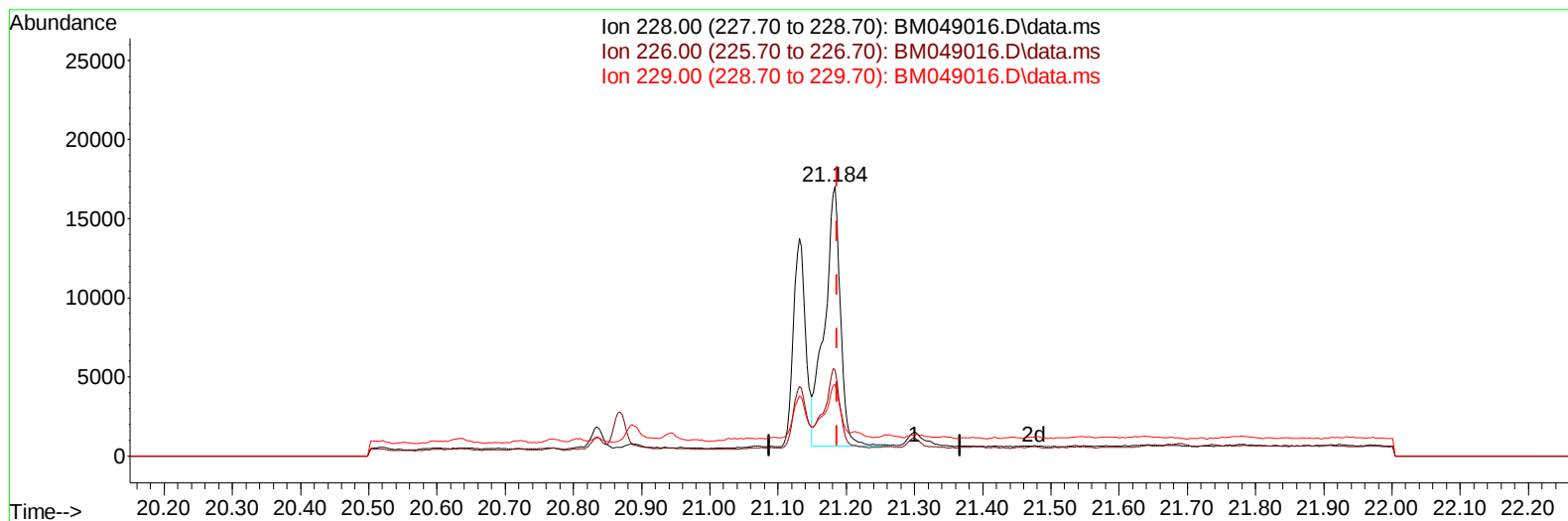
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049016.D
Acq On : 17 Dec 2024 11:39
Operator : RC/JU
Sample : P5155-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:23:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049016.D\data.ms

(22) Chrysene

21.184min (-0.003) 0.40 ng/u1 m

response 26715

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	31.00	31.98
229.00	20.00	26.61#
0.00	0.00	0.00

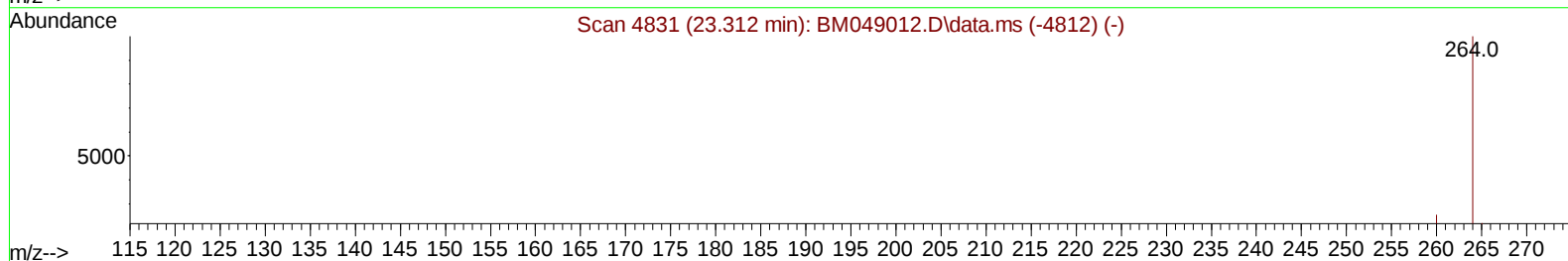
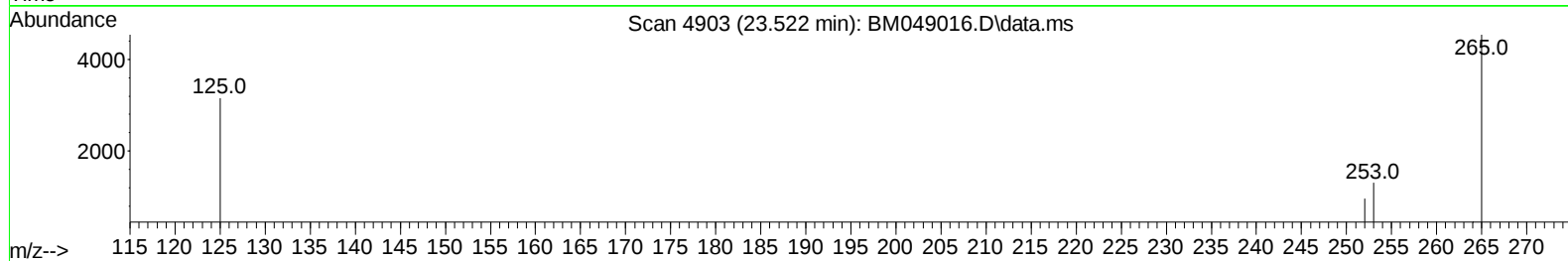
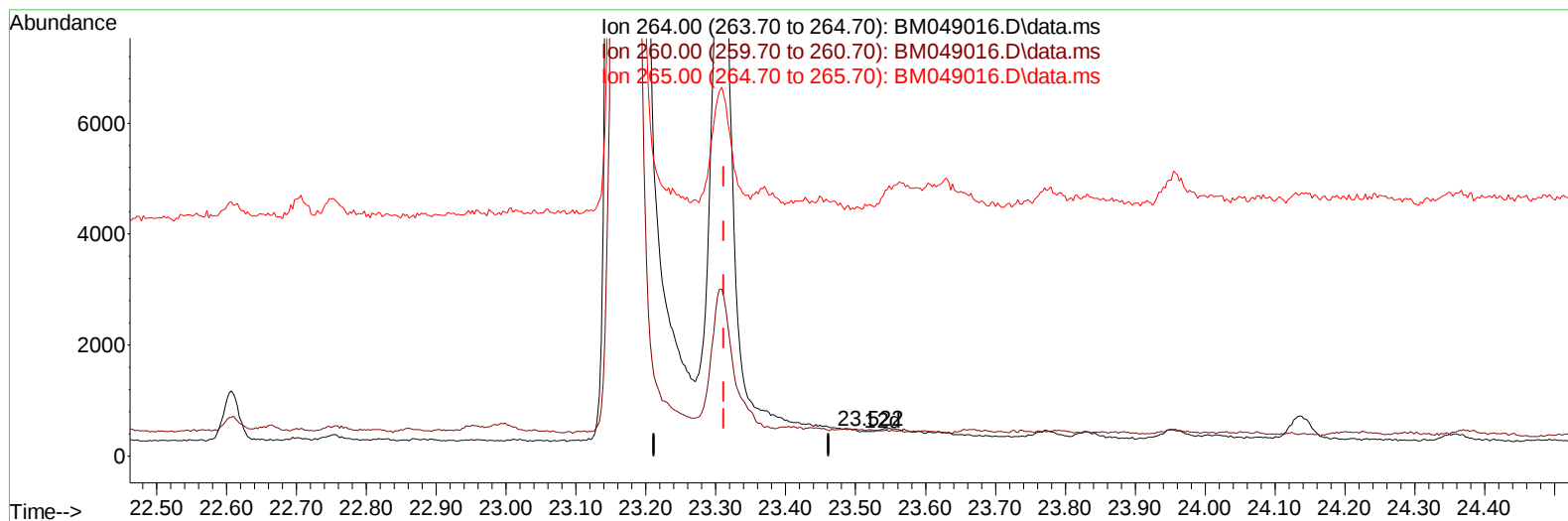
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049016.D
Acq On : 17 Dec 2024 11:39
Operator : RC/JU
Sample : P5155-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:23:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049016.D\data.ms

(23) Perylene-d12 (I)

23.522min (+ 0.210) 0.40 ng/u1

response 18

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.50	104.16#
265.00	82.60	991.90#
0.00	0.00	0.00

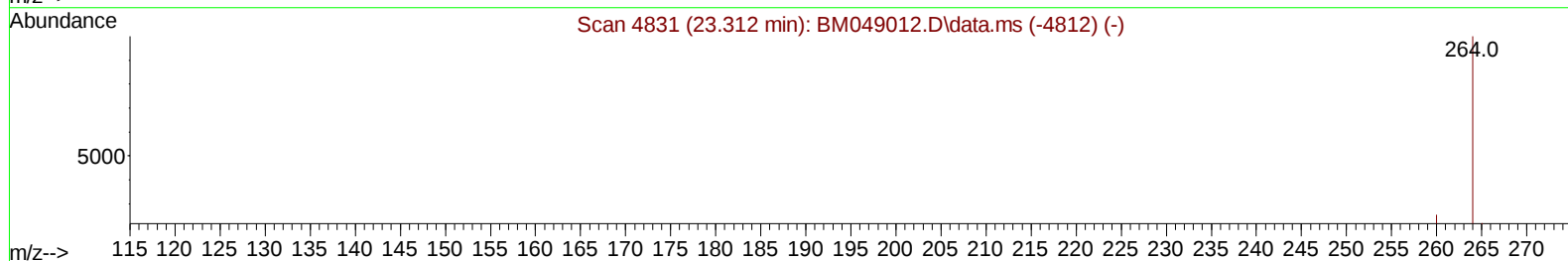
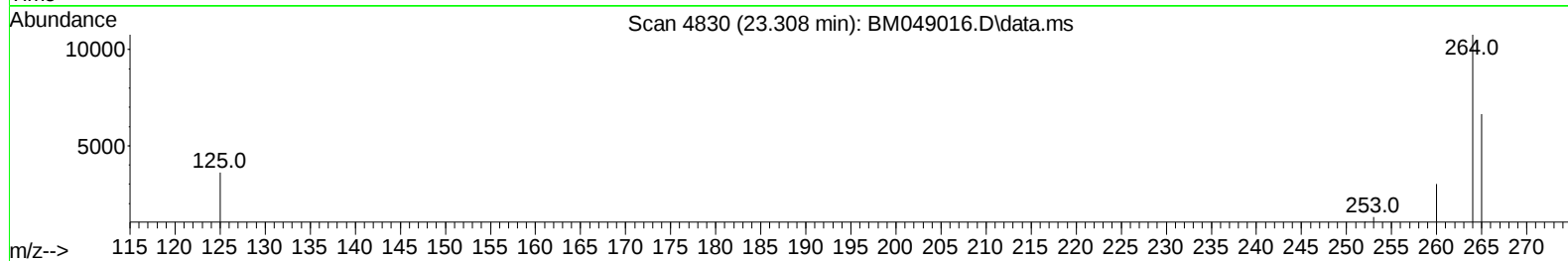
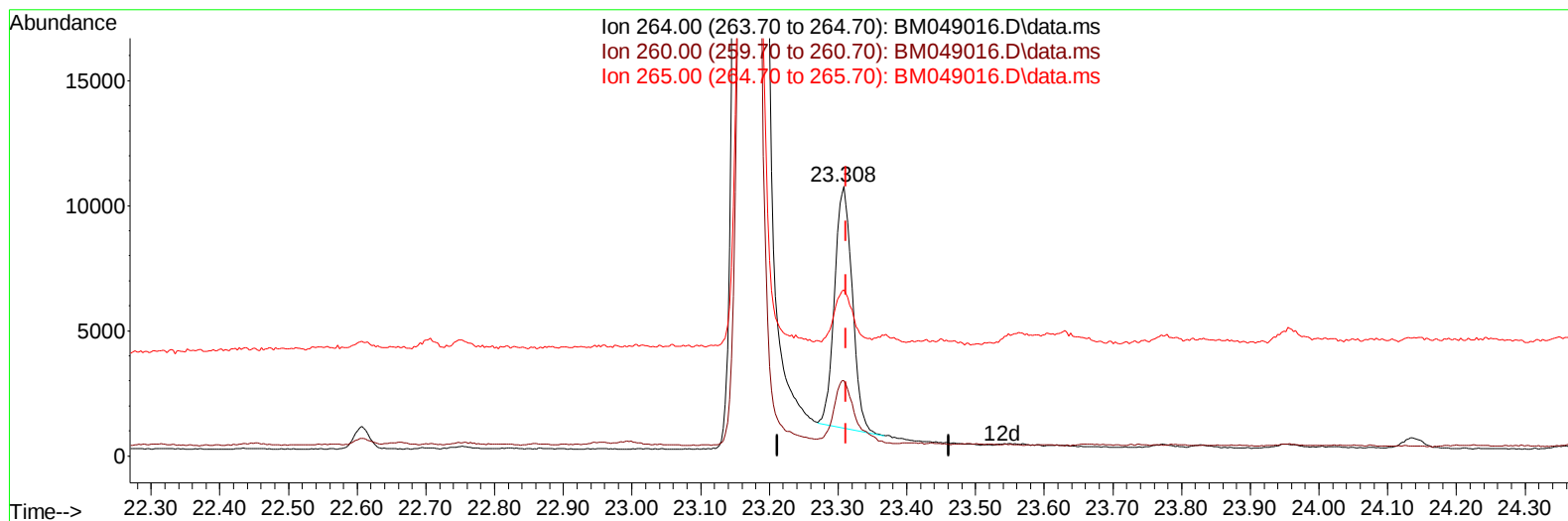
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049016.D
Acq On : 17 Dec 2024 11:39
Operator : RC/JU
Sample : P5155-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:23:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049016.D\data.ms

(23) Perylene-d12 (I)

23.308min (-0.003) 0.40 ng/ul m

response 17233

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.50	27.93
265.00	82.60	61.69#
0.00	0.00	0.00

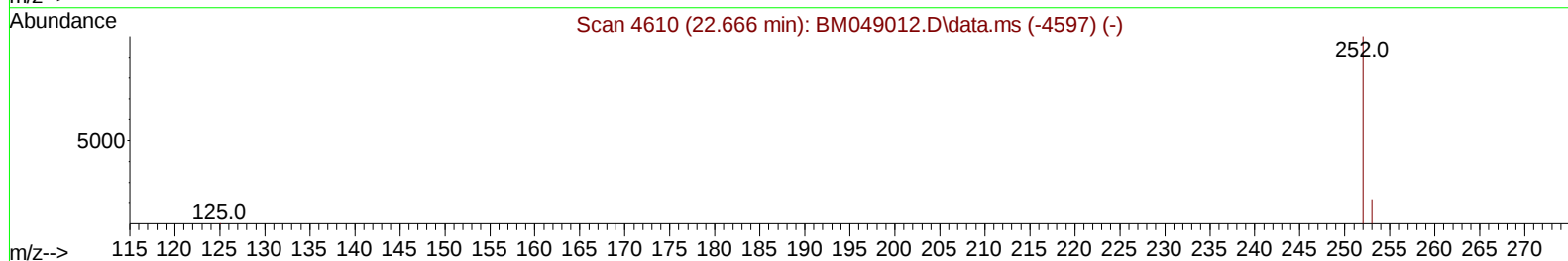
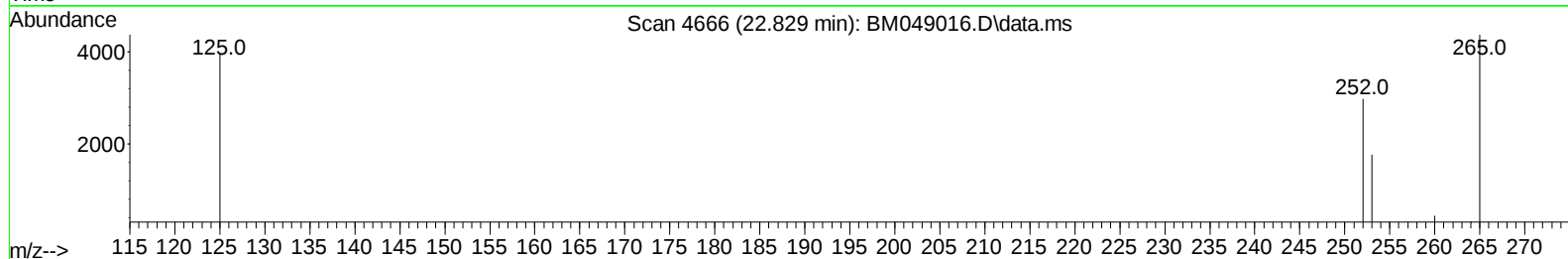
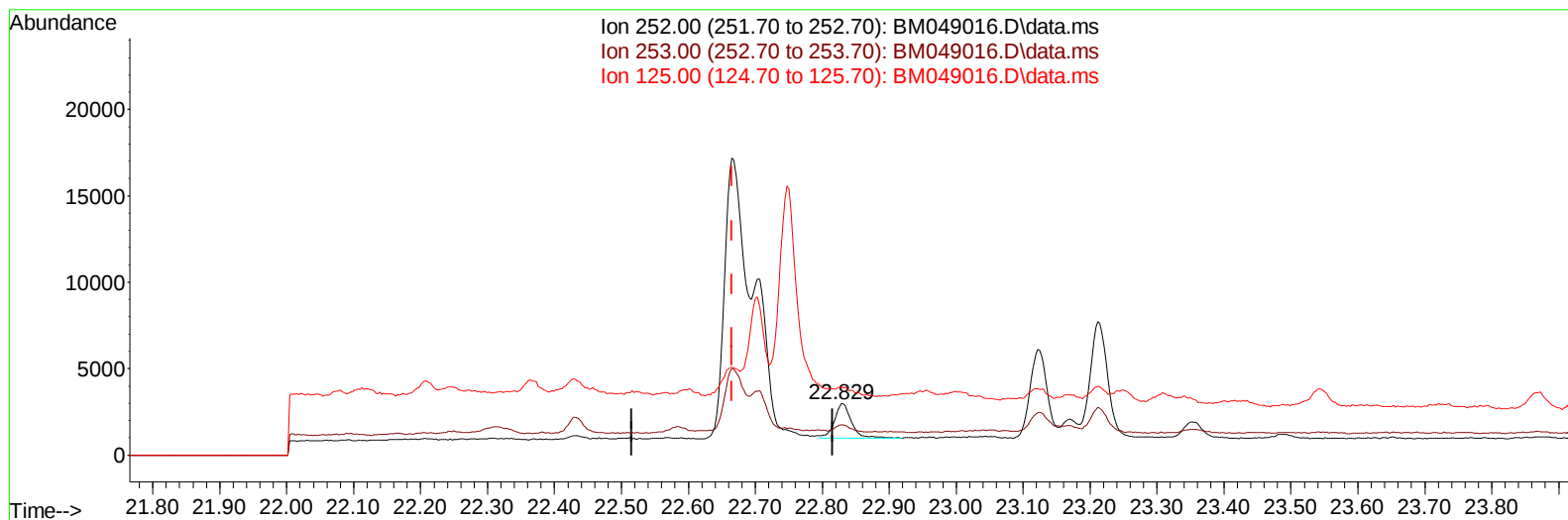
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049016.D
Acq On : 17 Dec 2024 11:39
Operator : RC/JU
Sample : P5155-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:23:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049016.D\data.ms

(24) Benzo(b)fluoranthene

22.829min (+ 0.163) 0.06 ng/u1

response 3565

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.50	59.02#
125.00	18.30	132.76#
0.00	0.00	0.00

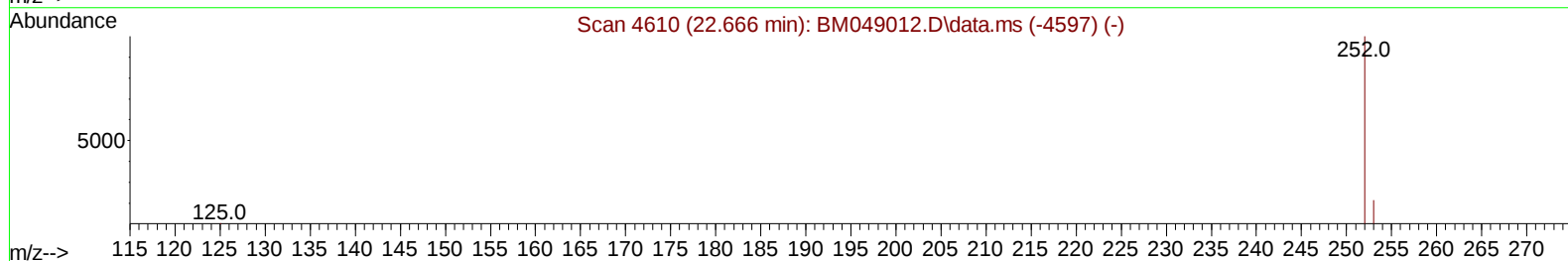
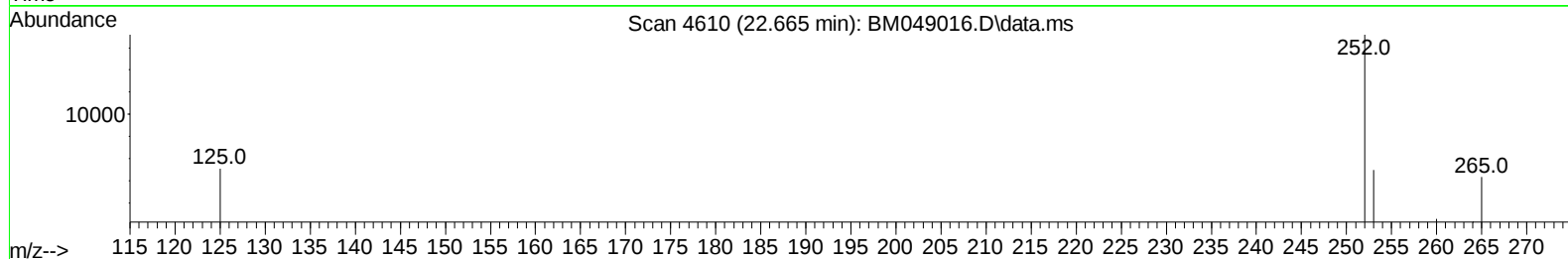
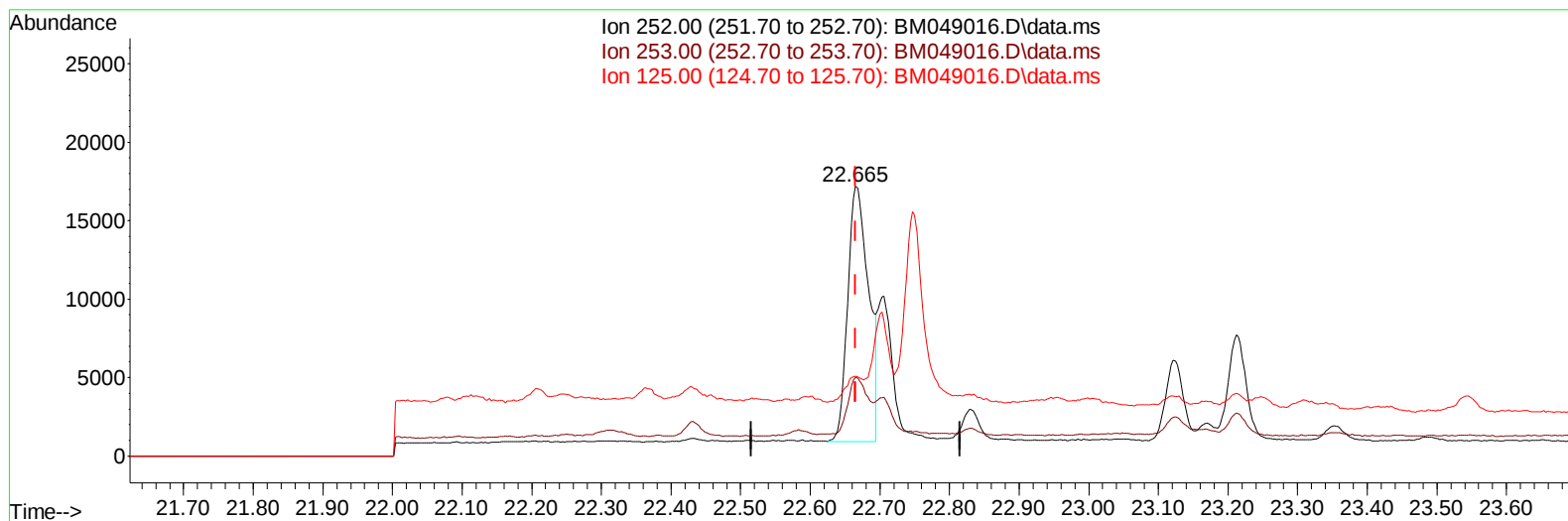
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049016.D
Acq On : 17 Dec 2024 11:39
Operator : RC/JU
Sample : P5155-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:23:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049016.D\data.ms

(24) Benzo(b)fluoranthene

22.665min (-0.001) 0.57 ng/u1 m

response 34141

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.50	29.13
125.00	18.30	29.69
0.00	0.00	0.00

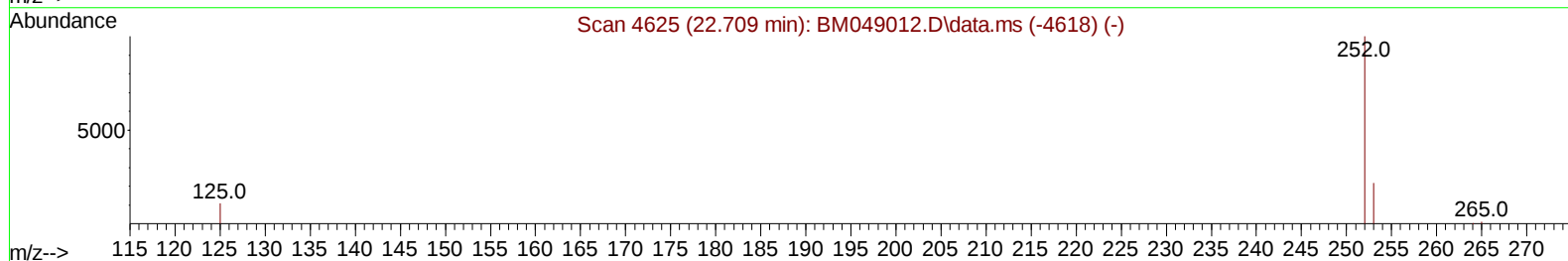
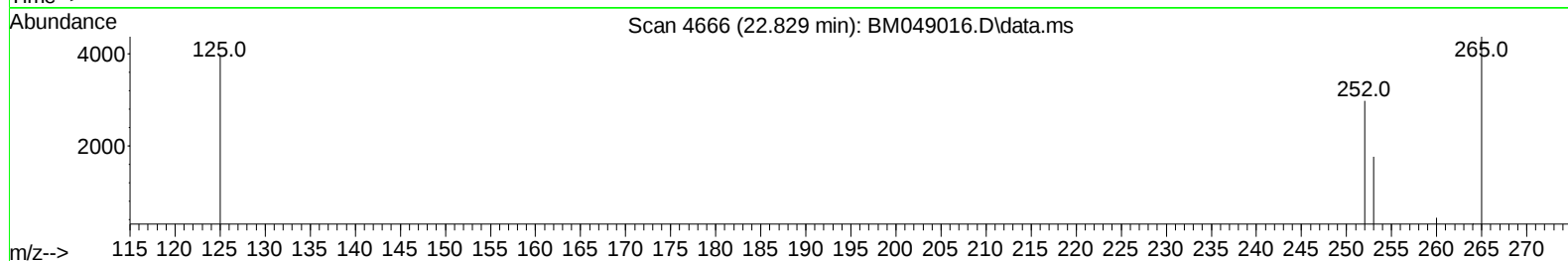
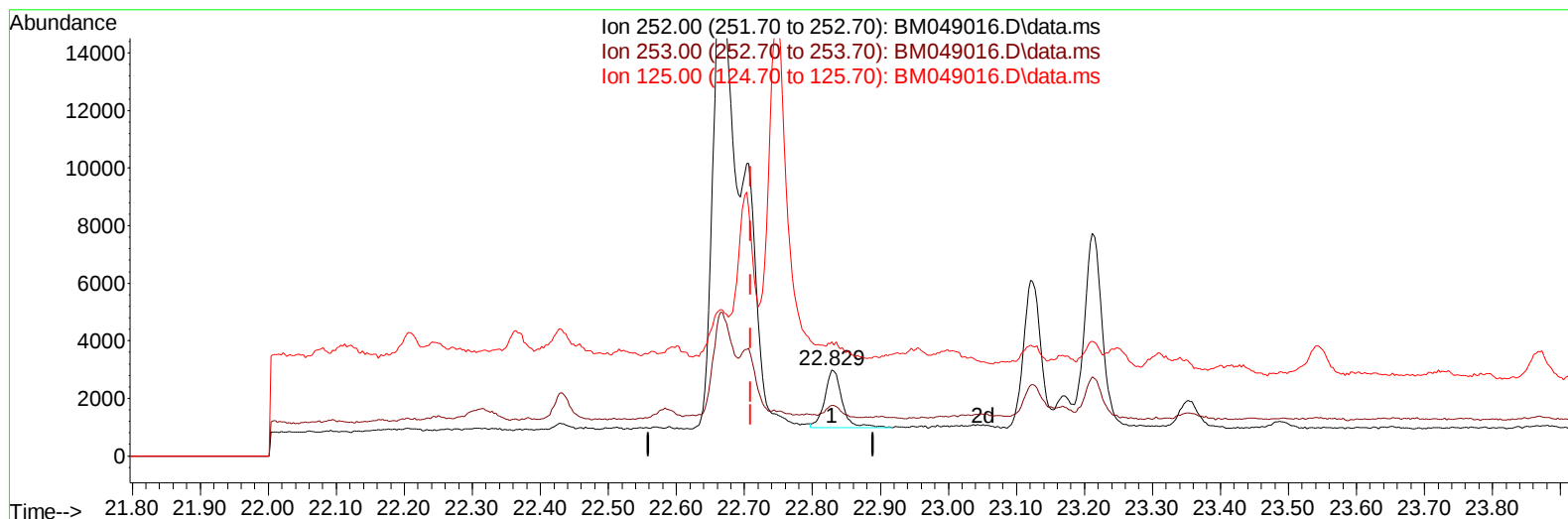
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049016.D
Acq On : 17 Dec 2024 11:39
Operator : RC/JU
Sample : P5155-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:23:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049016.D\data.ms

(25) Benzo(k)fluoranthene

22.829min (+ 0.119) 0.05 ng/u1

response 3565

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.60	59.02#
125.00	21.60	132.76#
0.00	0.00	0.00

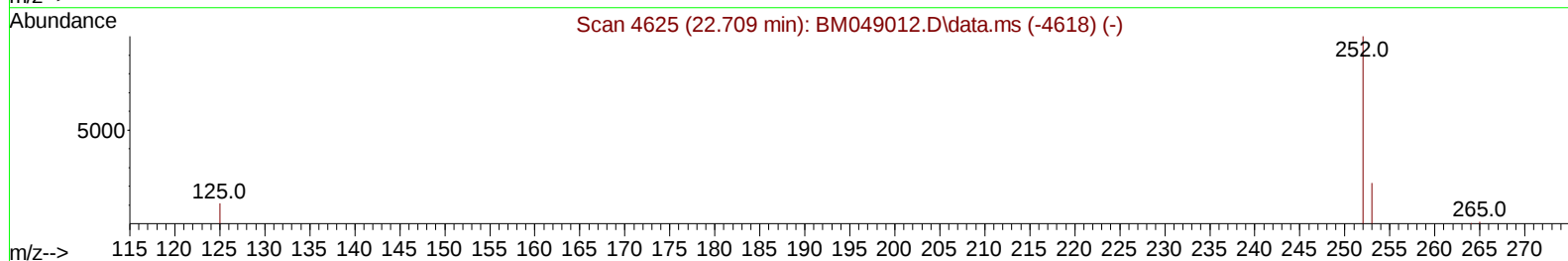
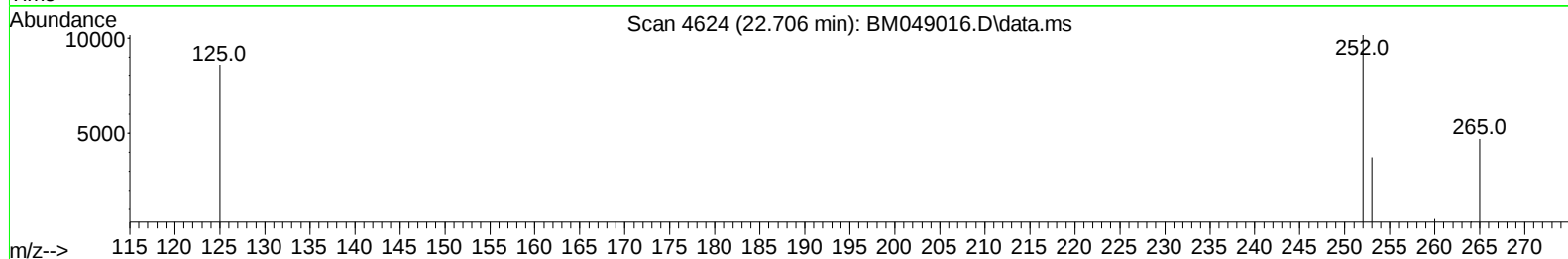
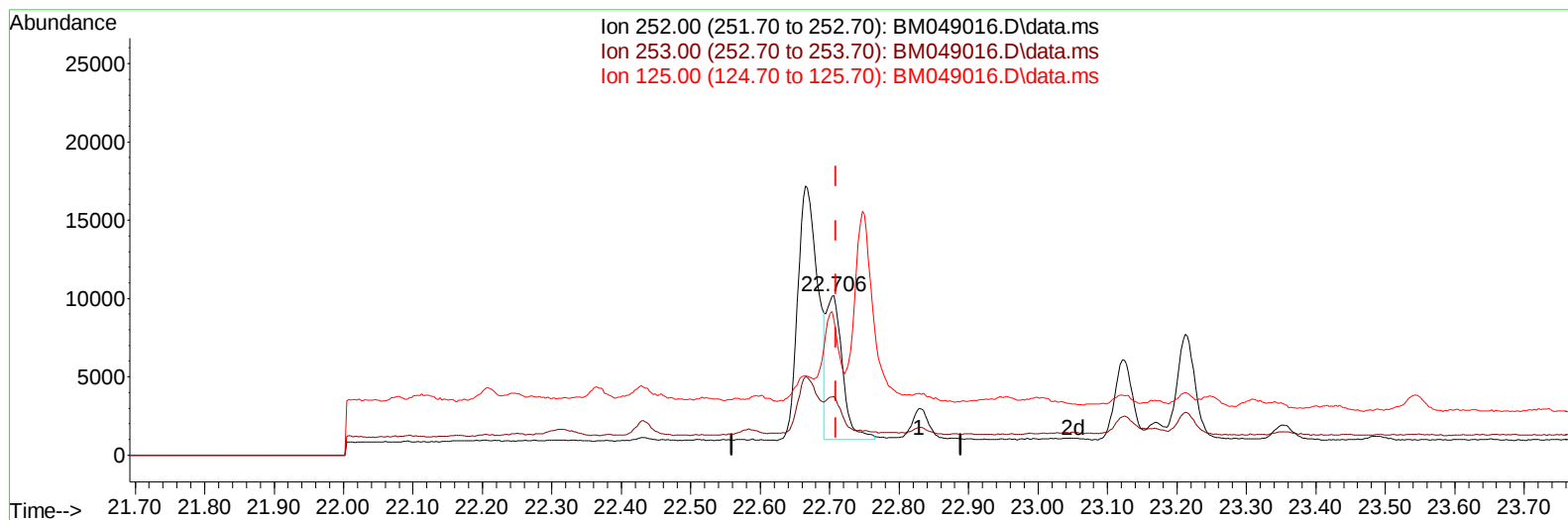
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049016.D
Acq On : 17 Dec 2024 11:39
Operator : RC/JU
Sample : P5155-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:23:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049016.D\data.ms

(25) Benzo(k)fluoranthene

22.706min (-0.003) 0.22 ng/u1 m

response 14922

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.60	36.71#
125.00	21.60	84.43#
0.00	0.00	0.00

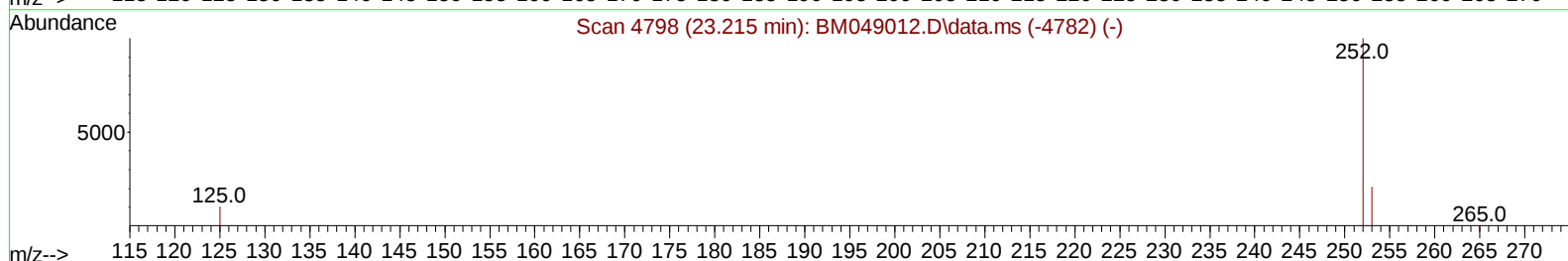
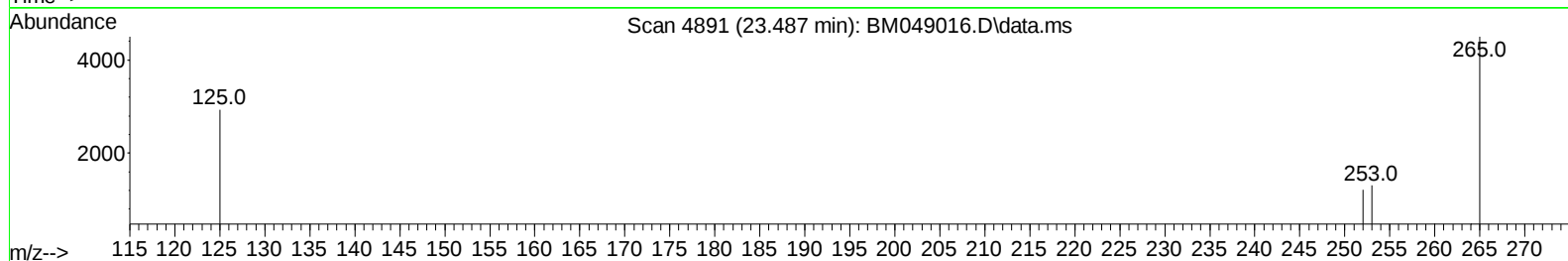
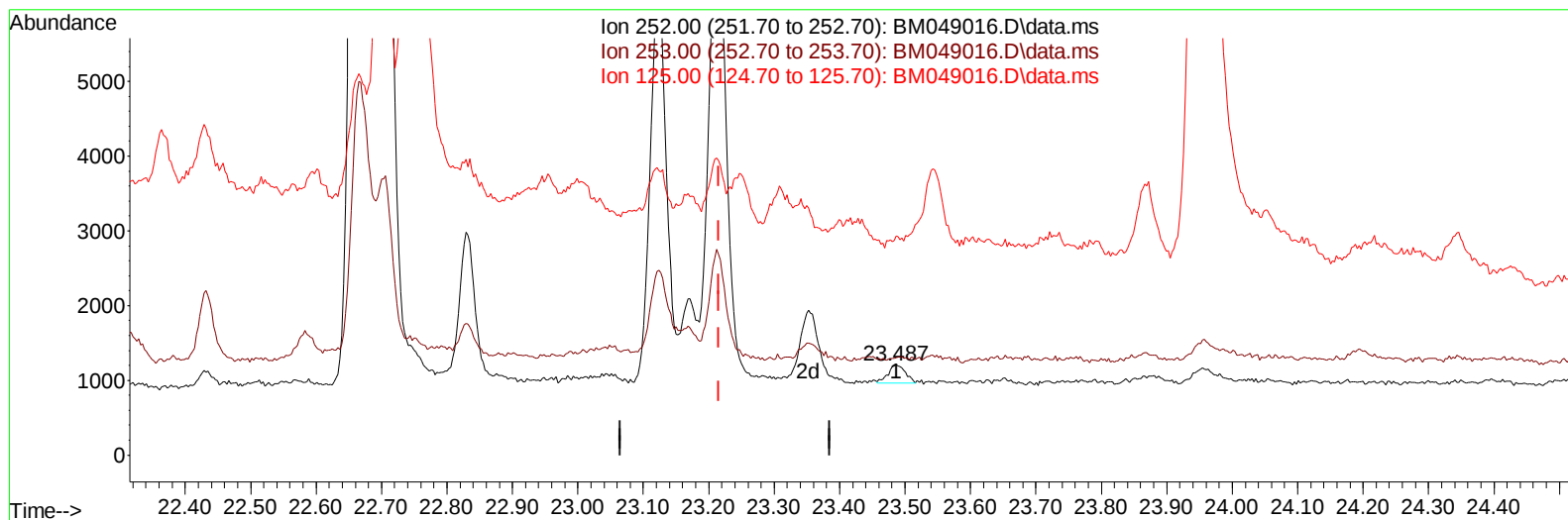
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049016.D
Acq On : 17 Dec 2024 11:39
Operator : RC/JU
Sample : P5155-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:23:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049016.D\data.ms

(26) Benzo(a)pyrene (C)

23.487min (+ 0.271) 0.01 ng/u1

response 444

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.30	107.69#
125.00	23.20	242.68#
0.00	0.00	0.00

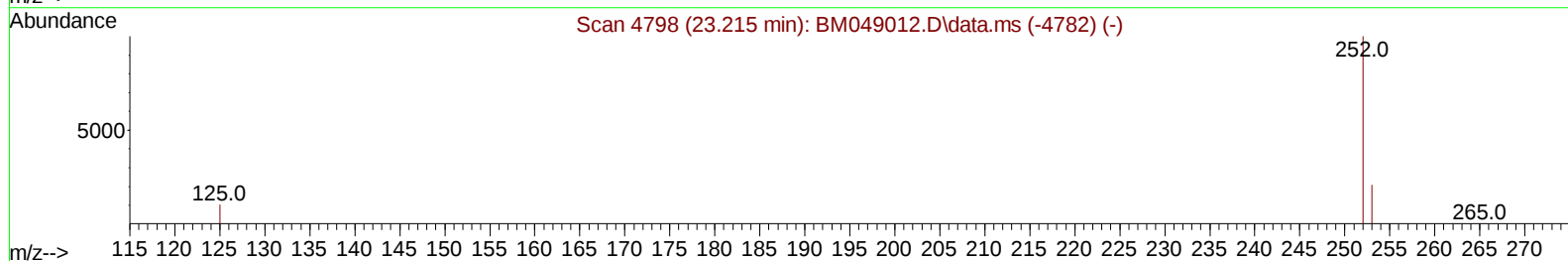
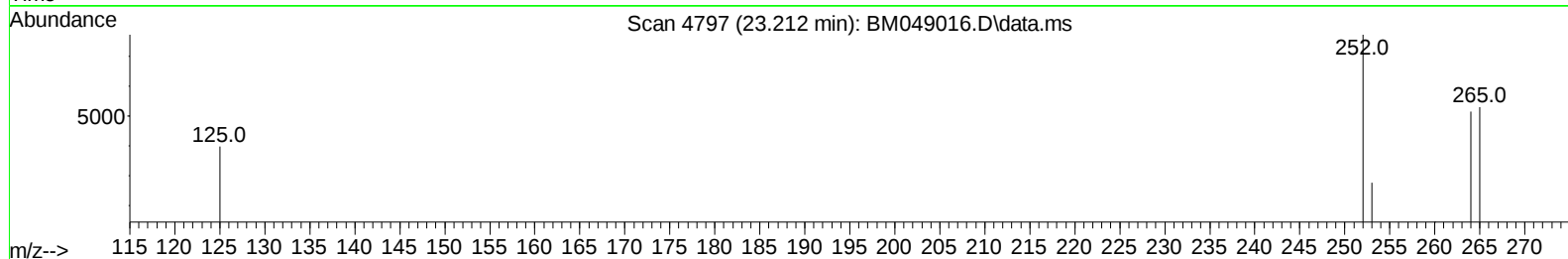
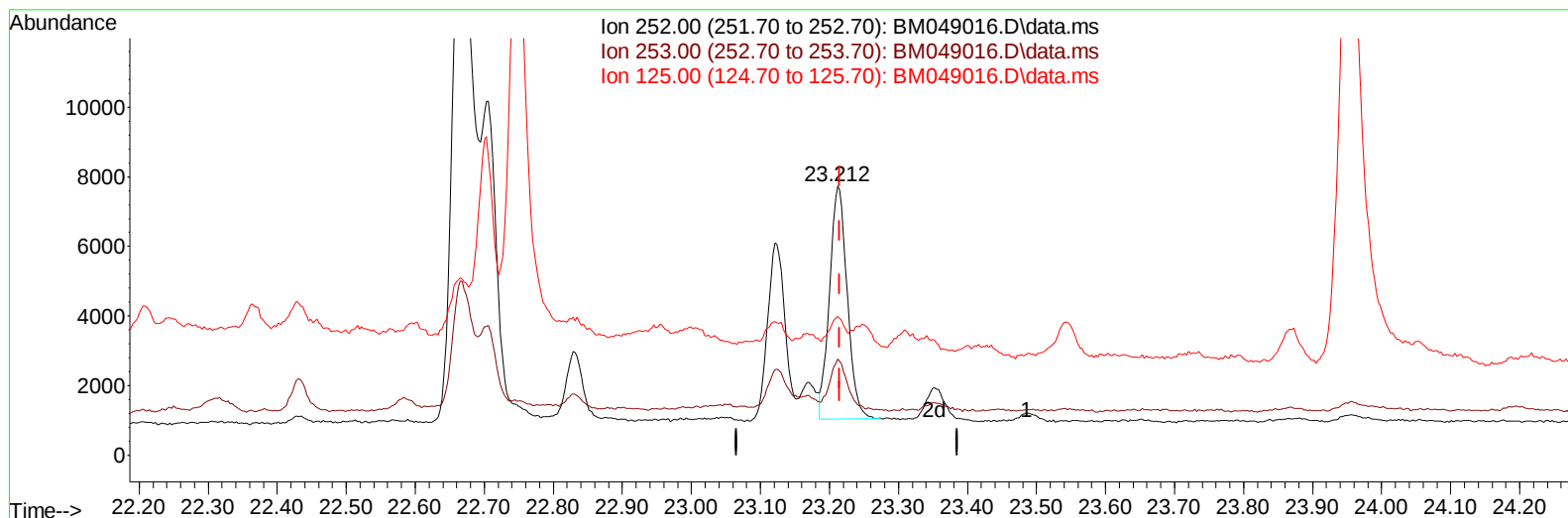
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049016.D
Acq On : 17 Dec 2024 11:39
Operator : RC/JU
Sample : P5155-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:23:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049016.D\data.ms

(26) Benzo(a)pyrene (C)

23.212min (-0.003) 0.22 ng/u1 m

response 11859

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.30	35.64#
125.00	23.20	51.42#
0.00	0.00	0.00

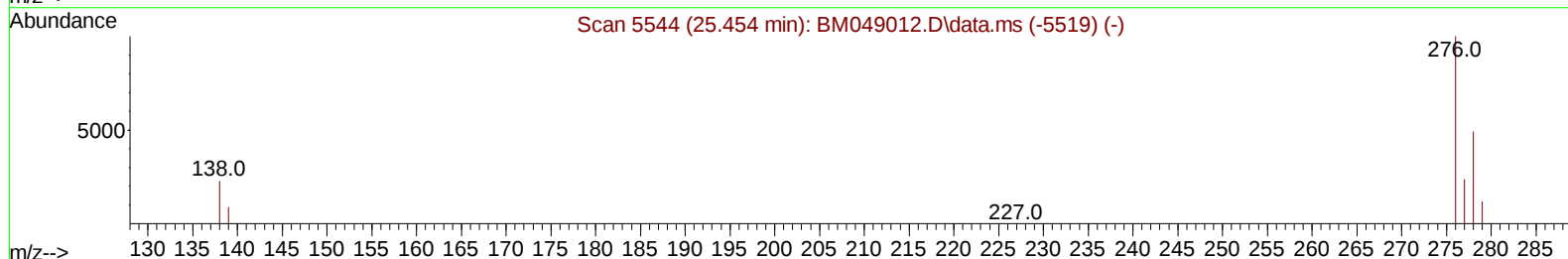
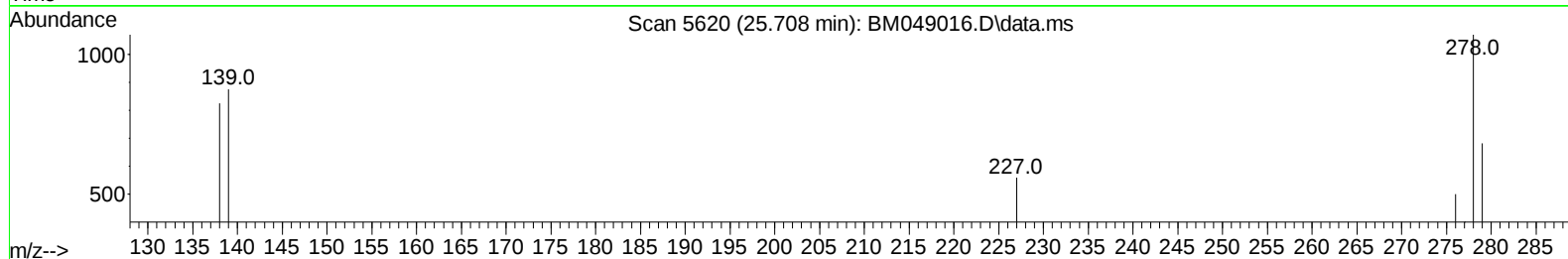
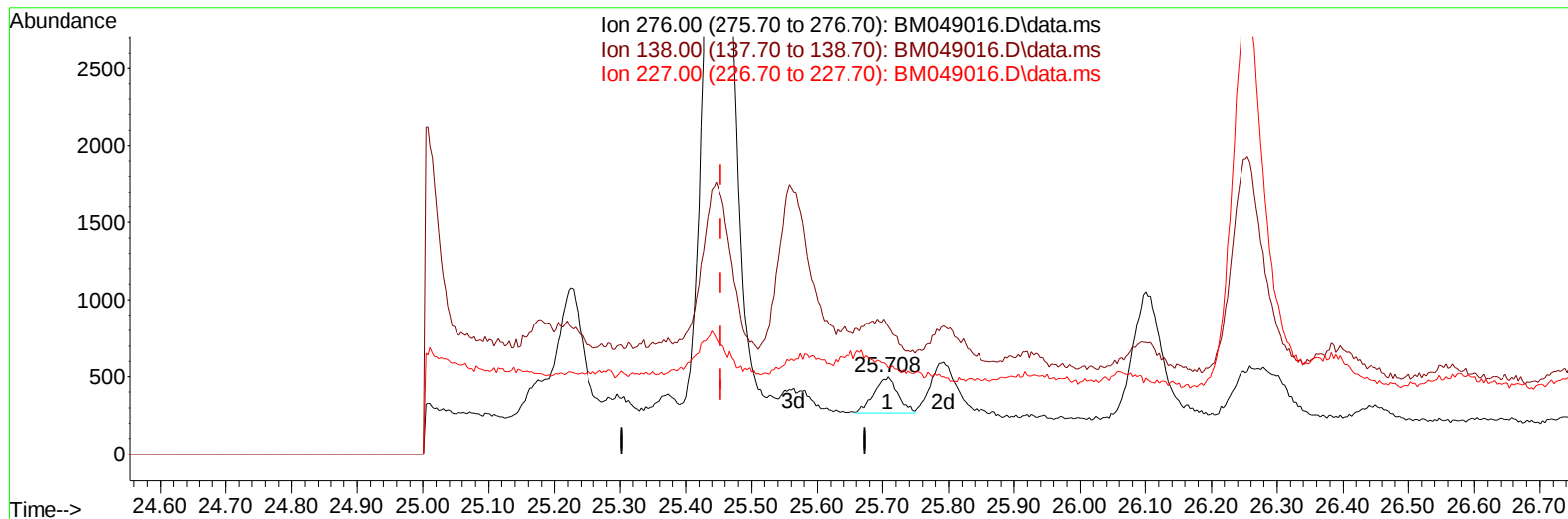
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049016.D
Acq On : 17 Dec 2024 11:39
Operator : RC/JU
Sample : P5155-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:23:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049016.D\data.ms

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

25.708min (+ 0.254) 0.01 ng/u1

response 590

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	27.60	0.00#
227.00	0.20	0.00#
0.00	0.00	0.00

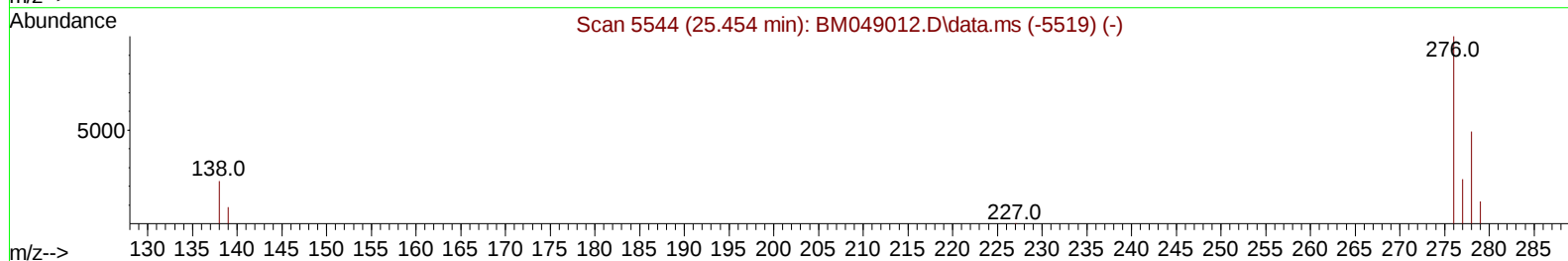
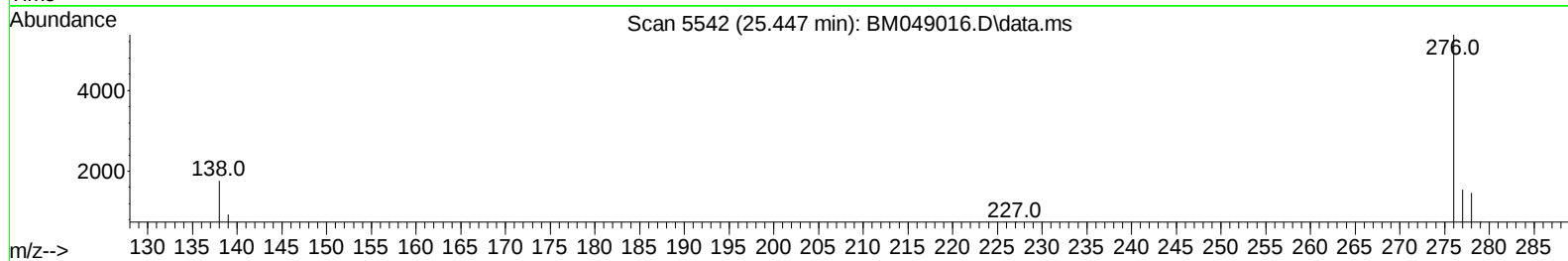
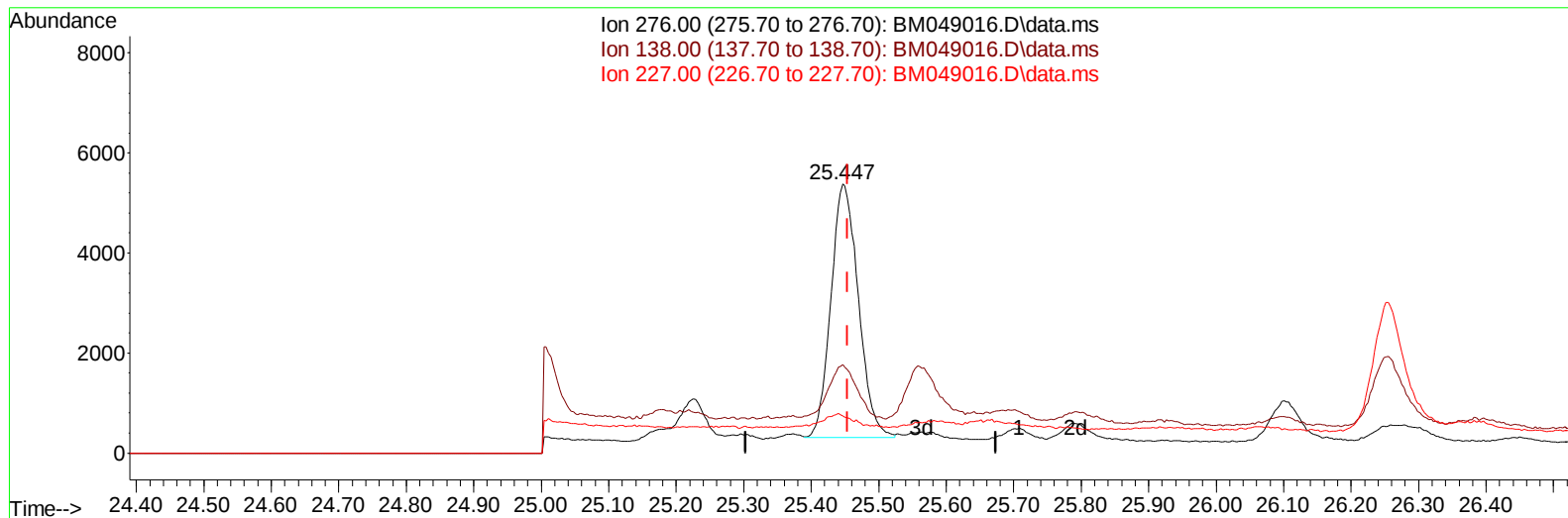
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049016.D
Acq On : 17 Dec 2024 11:39
Operator : RC/JU
Sample : P5155-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:23:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049016.D\data.ms

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

25.447min (-0.007) 0.18 ng/ul m

response 14297

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	27.60	0.00#
227.00	0.20	0.00#
0.00	0.00	0.00

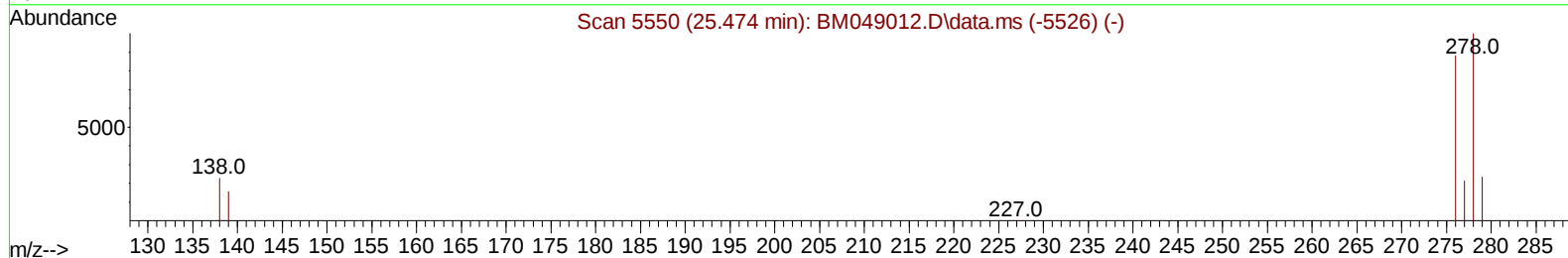
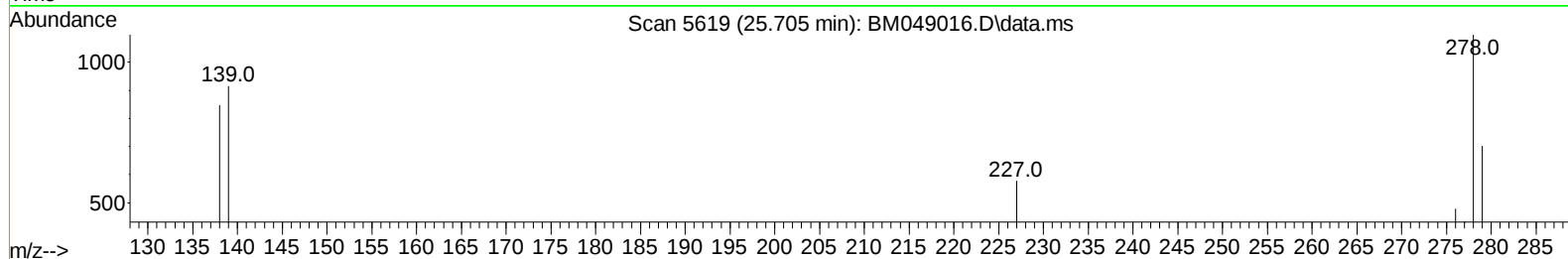
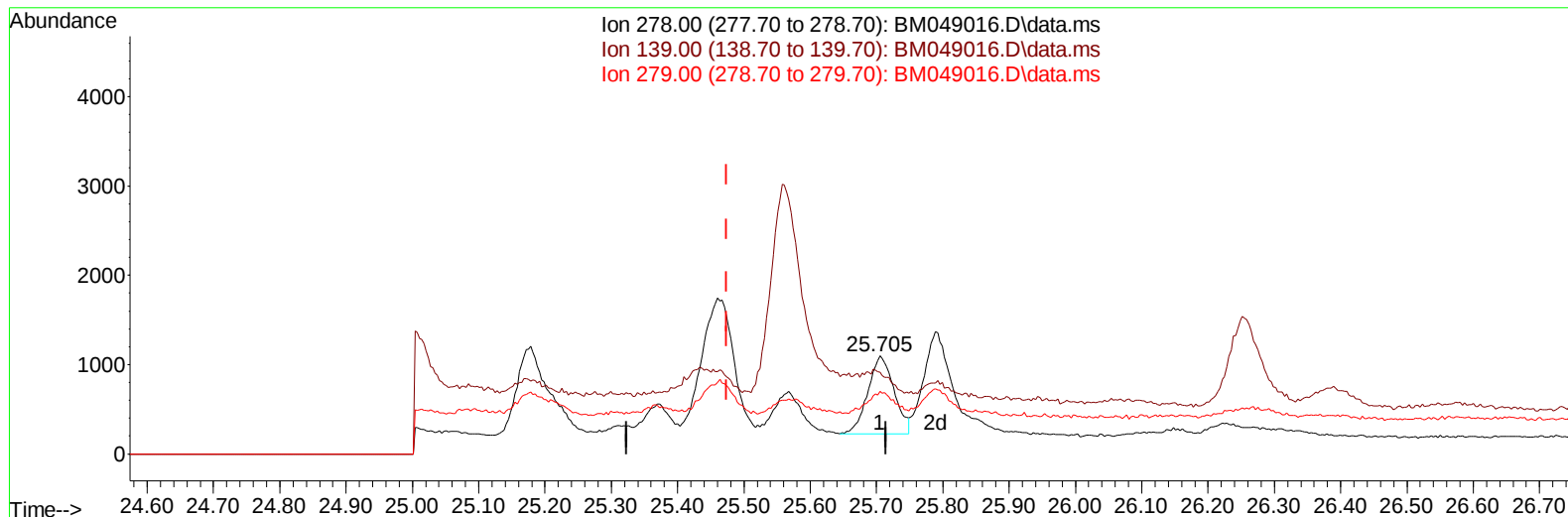
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049016.D
Acq On : 17 Dec 2024 11:39
Operator : RC/JU
Sample : P5155-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:23:00 2024
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QLast Update : Tue Dec 17 10:03:27 2024
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Reviewed By :Yogesh Patel 12/18/2024
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TIC: BM049016.D\data.ms

(28) Dibenzo(a,h)anthracene

25.705min (+ 0.231) 0.04 ng/u1

response 2411

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	21.70	83.42#
279.00	26.40	63.93#
0.00	0.00	0.00

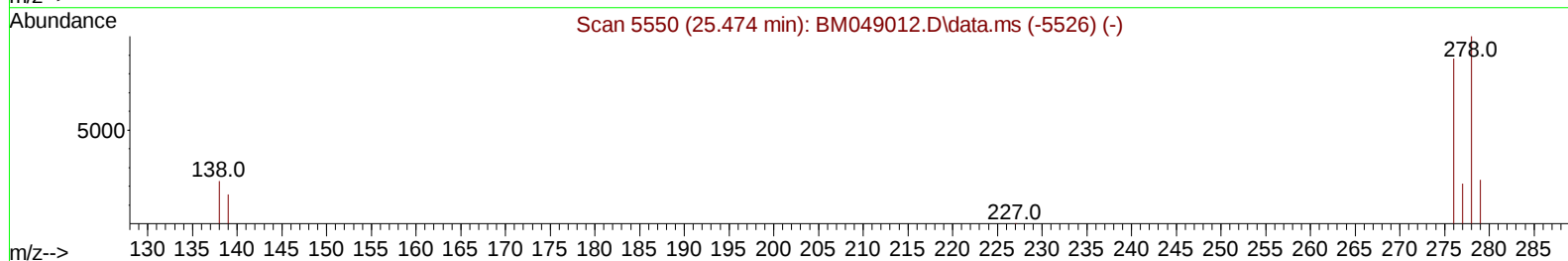
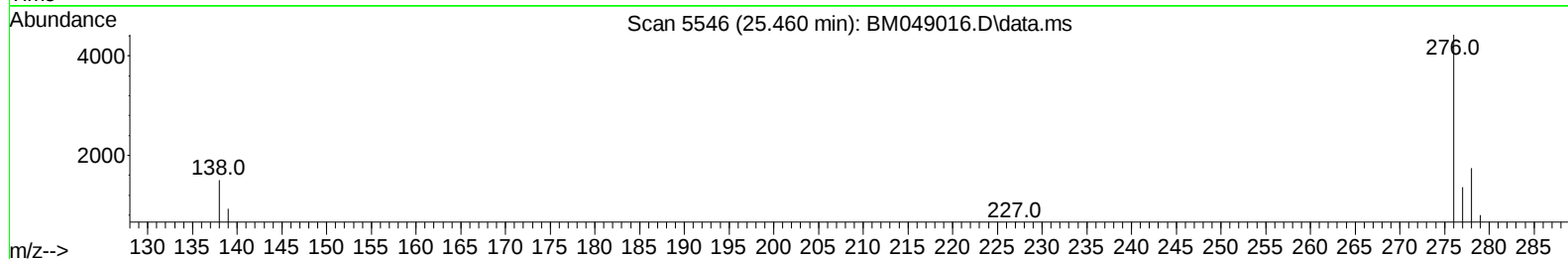
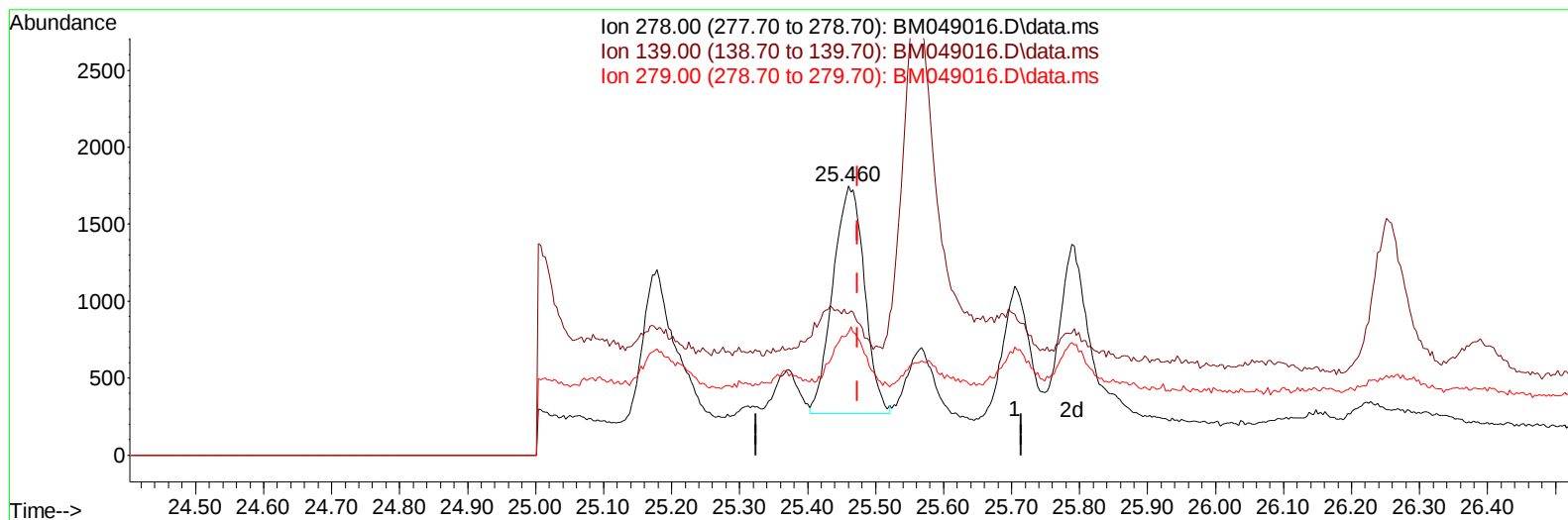
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049016.D
Acq On : 17 Dec 2024 11:39
Operator : RC/JU
Sample : P5155-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:23:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
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Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049016.D\data.ms

(28) Dibenzo(a,h)anthracene

25.460min (-0.014) 0.08 ng/ul m

response 4754

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	21.70	52.75#
279.00	26.40	45.65#
0.00	0.00	0.00

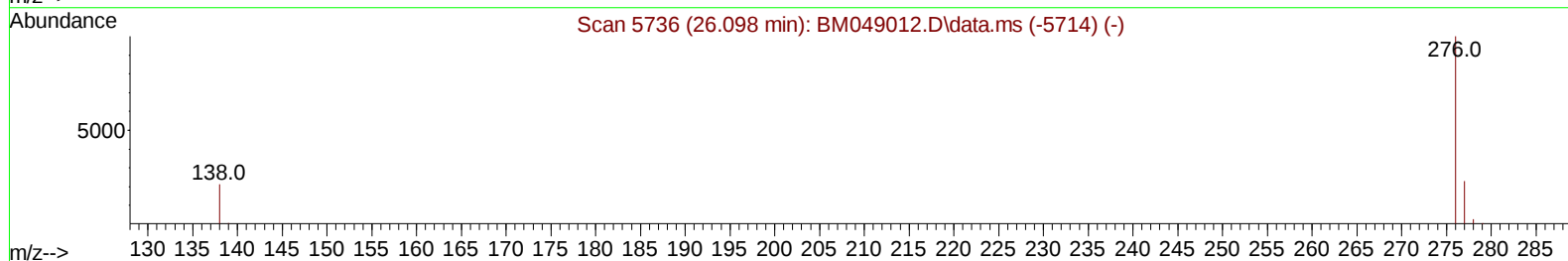
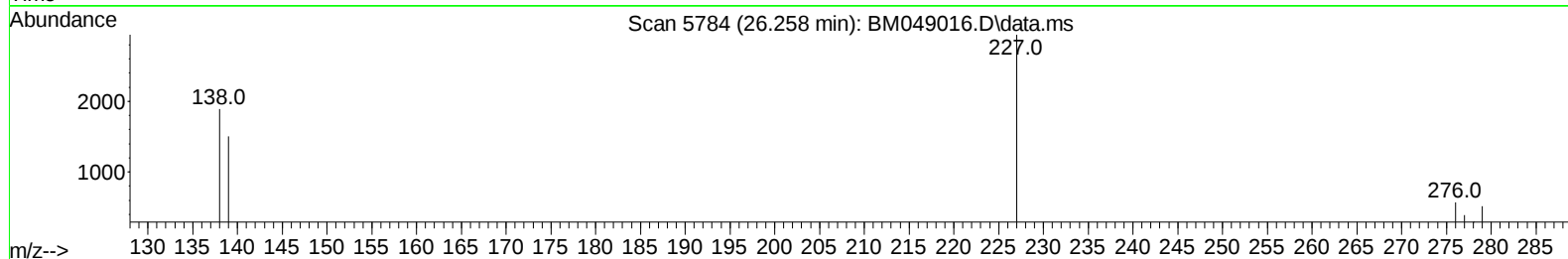
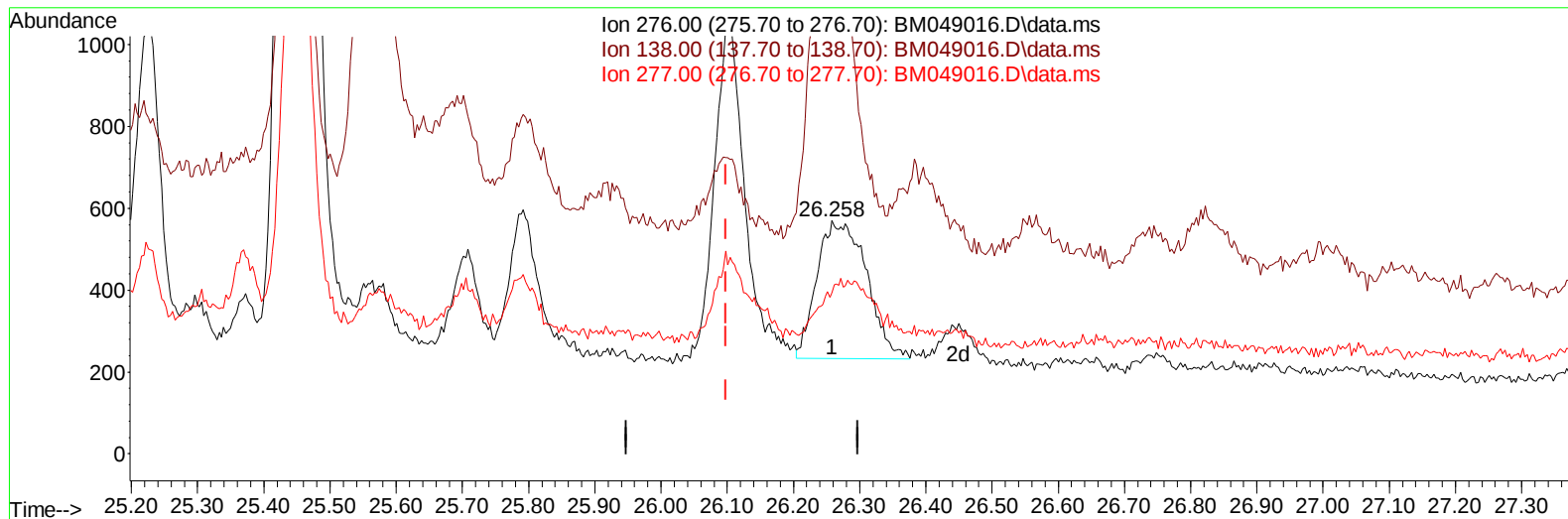
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049016.D
Acq On : 17 Dec 2024 11:39
Operator : RC/JU
Sample : P5155-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:23:00 2024
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TIC: BM049016.D\data.ms

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

26.258min (+ 0.160) 0.03 ng/u1

response 1742

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	24.70	332.11#
277.00	24.50	68.95#
0.00	0.00	0.00

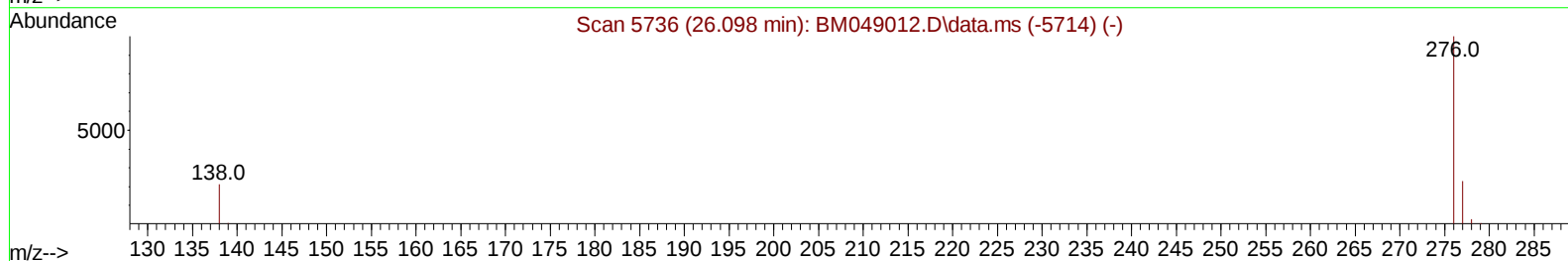
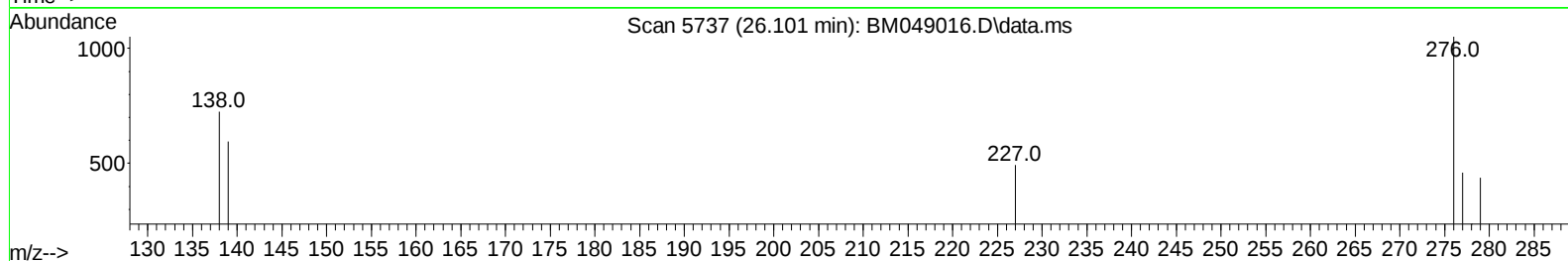
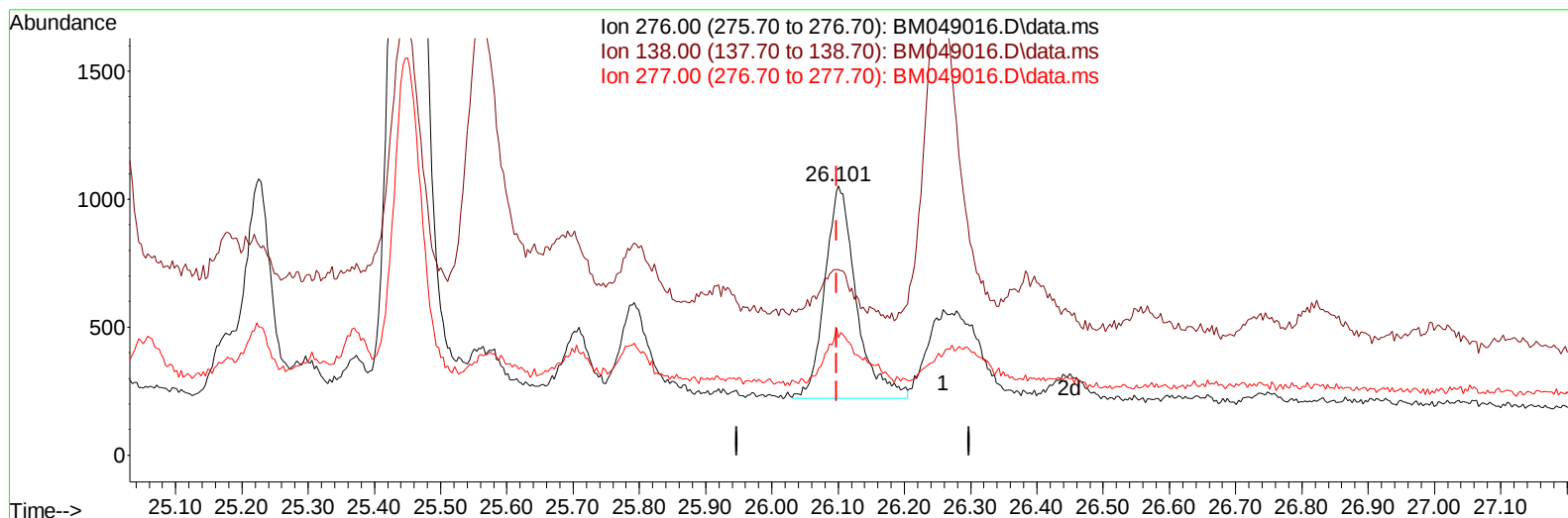
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049016.D
Acq On : 17 Dec 2024 11:39
Operator : RC/JU
Sample : P5155-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:23:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049016.D\data.ms

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

26.101min (+ 0.003) 0.04 ng/ul m

response 2721

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	24.70	68.89#
277.00	24.50	43.86#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
 Data File : BM049016.D
 Acq On : 17 Dec 2024 11:39
 Operator : RC/JU
 Sample : P5155-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28Q6

Manual IntegrationsAPPROVED

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.573	152	6810	0.400	ng/ul	0.00
4) Naphthalene-d8	10.332	136	19591	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.206	164	10014	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.951	188	20501m	0.400	ng/ul	0.00
17) Chrysene-d12	21.146	240	16774m	0.400	ng/ul	0.00
23) Perylene-d12	23.308	264	17233m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.151	96	22383	2.812	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.932	152	4888	0.196	ng/ul	0.00
18) Fluoranthene-d10	18.983	212	8835m	0.176	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.381	128	10594	0.211	ng/ul	99
7) 2-Methylnaphthalene	12.003	142	7817	0.255	ng/ul	100
8) 1-Methylnaphthalene	12.223	142	5491	0.176	ng/ul	99
10) Acenaphthylene	13.919	152	2070	0.049	ng/ul#	83
11) Acenaphthene	14.266	153	918	0.029	ng/ul	93
12) Fluorene	15.261	166	1106	0.031	ng/ul#	90
15) Phenanthrene	16.989	178	21670m	0.386	ng/ul	
16) Anthracene	17.082	178	5336m	0.107	ng/ul	
19) Fluoranthene	19.011	202	40421m	0.581	ng/ul	
20) Pyrene	19.378	202	30697m	0.409	ng/ul	
21) Benzo(a)anthracene	21.131	228	16733m	0.283	ng/ul	
22) Chrysene	21.184	228	26715m	0.400	ng/ul	
24) Benzo(b)fluoranthene	22.665	252	34141m	0.573	ng/ul	
25) Benzo(k)fluoranthene	22.706	252	14922m	0.217	ng/ul	
26) Benzo(a)pyrene	23.212	252	11859m	0.215	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.447	276	14297m	0.185	ng/ul	
28) Dibenzo(a,h)anthracene	25.460	278	4754m	0.079	ng/ul	
29) Benzo(g,h,i)perylene	26.101	276	2721m	0.044	ng/ul	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
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Operator : RC/JU
Sample : P5155-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
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E28Q6

Manual IntegrationsAPPROVED

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