

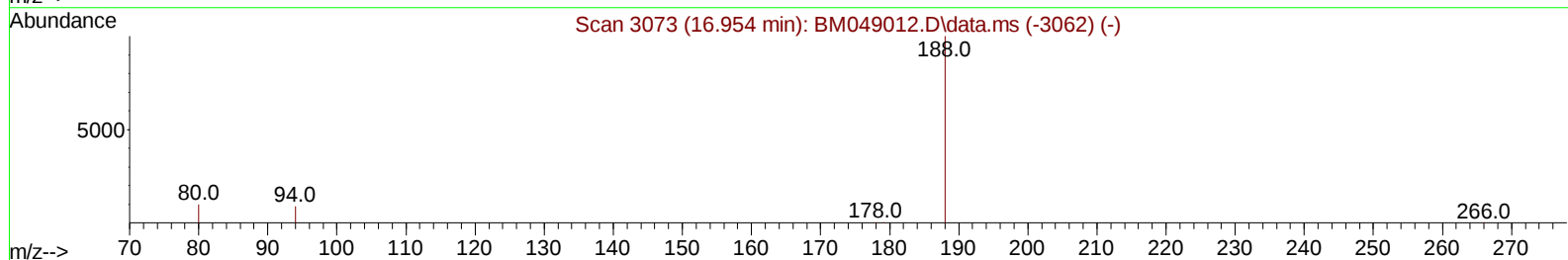
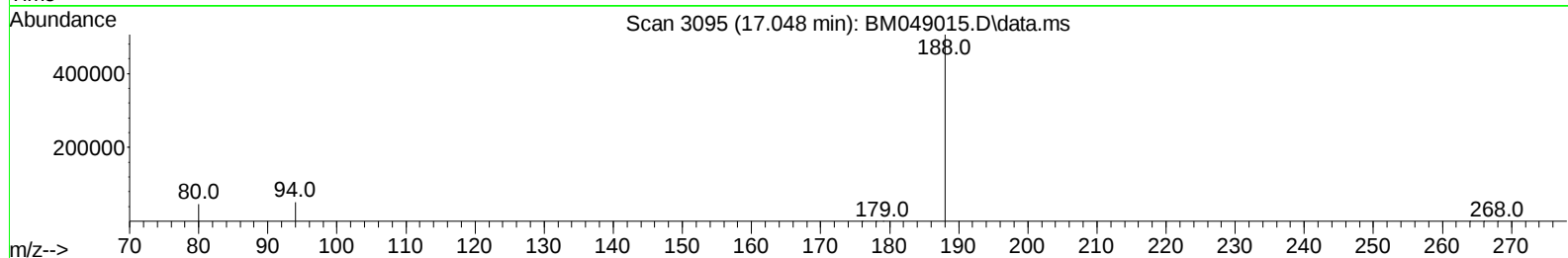
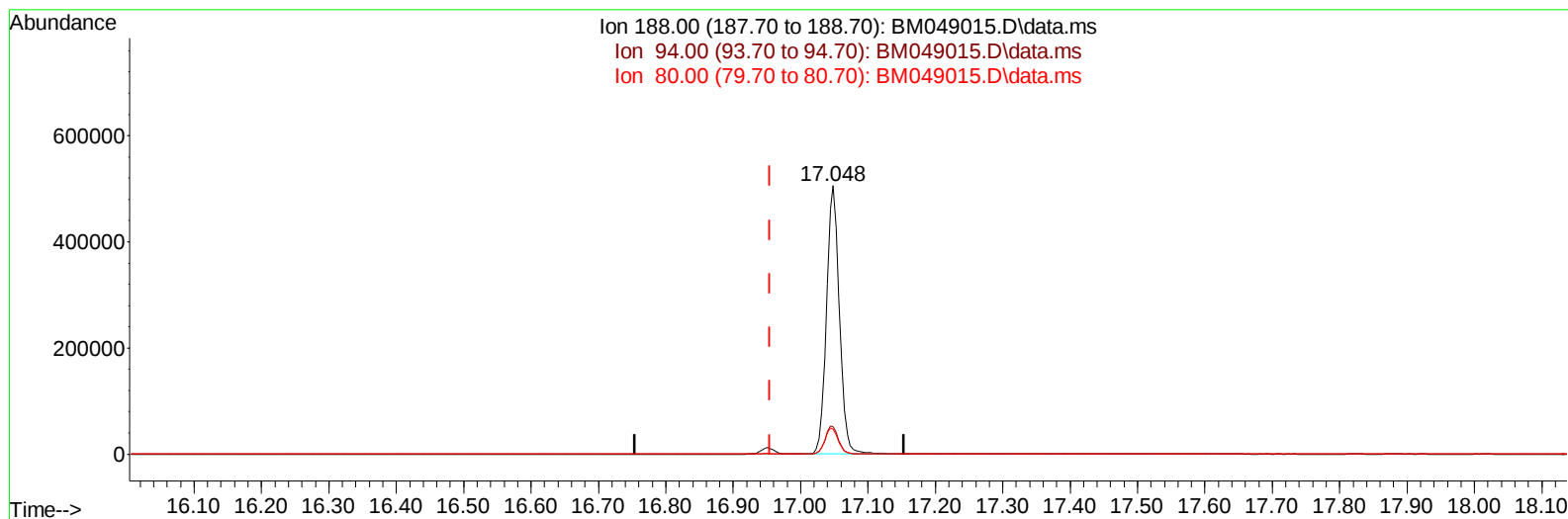
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049015.D
Acq On : 17 Dec 2024 11:03
Operator : RC/JU
Sample : P5155-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q7

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:10:54 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: BM049015.D\data.ms

(13) Phenanthrene-d10 (I)

17.048min (+ 0.094) 0.40 ng/u1

response 672494

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	12.10	10.20
80.00	13.90	9.28#
0.00	0.00	0.00

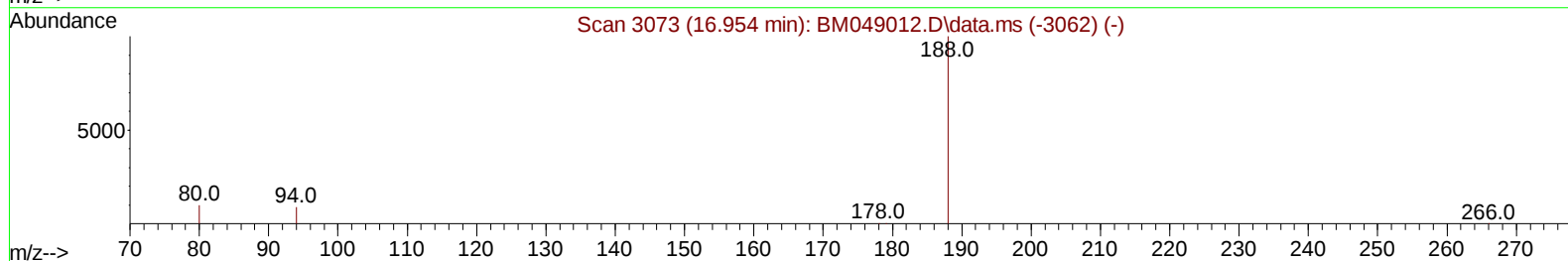
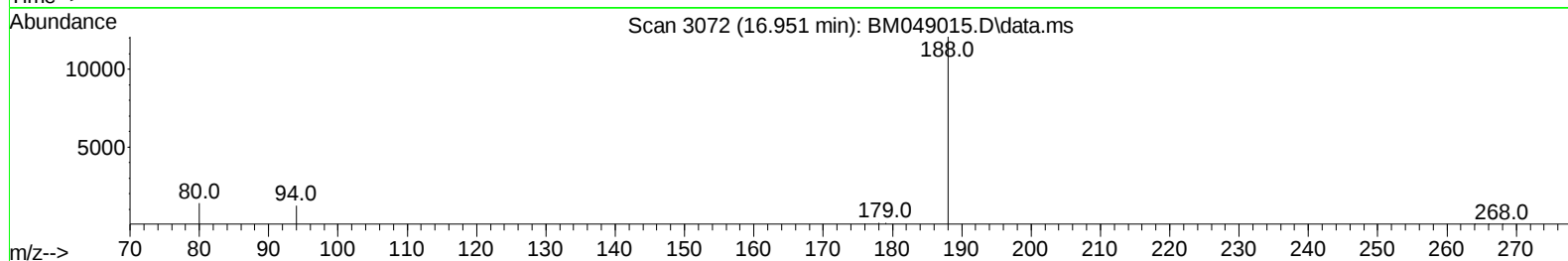
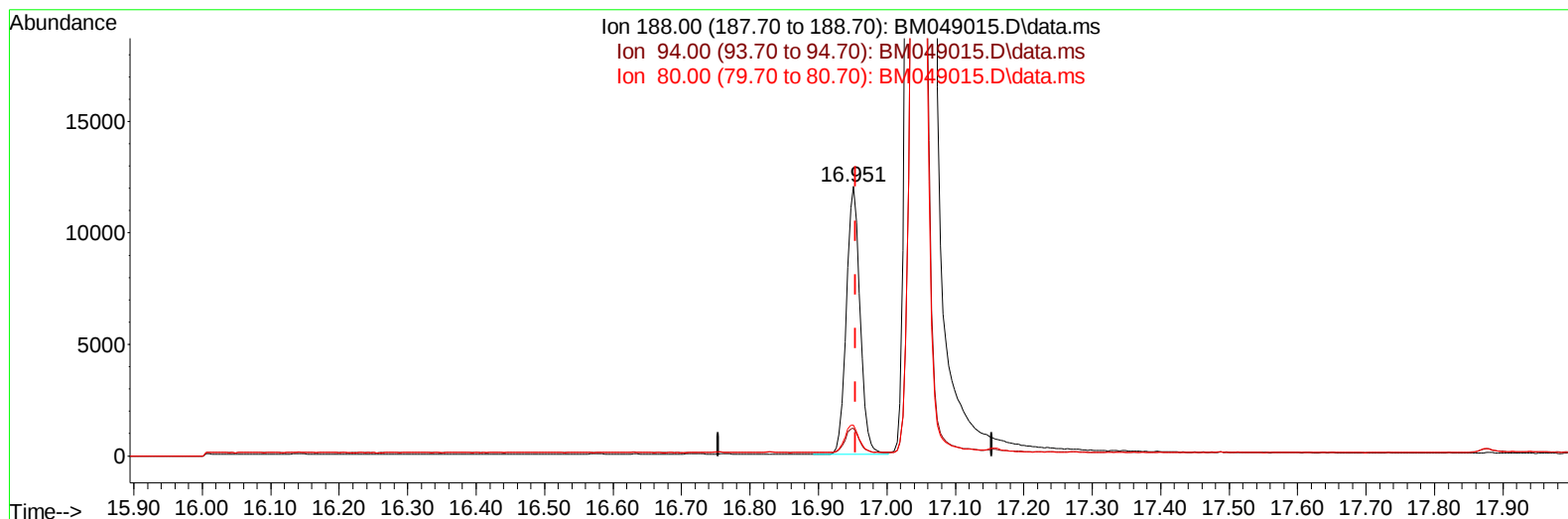
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049015.D
Acq On : 17 Dec 2024 11:03
Operator : RC/JU
Sample : P5155-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q7

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:10:54 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
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049015.D\data.ms

(13) Phenanthrene-d10 (I)

16.951min (-0.003) 0.40 ng/ul m

response 16854

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	12.10	10.36
80.00	13.90	11.42
0.00	0.00	0.00

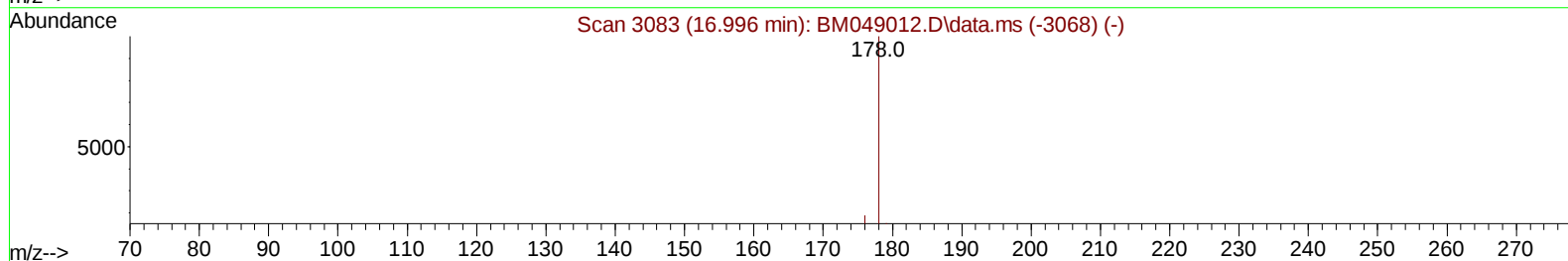
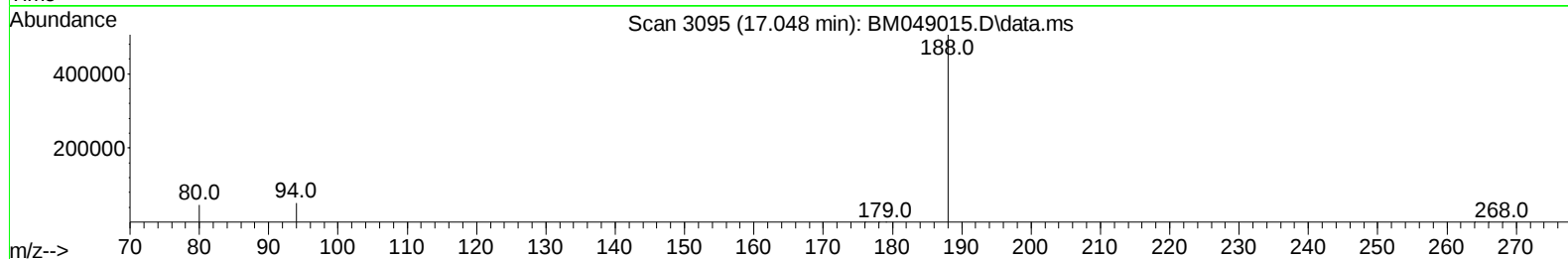
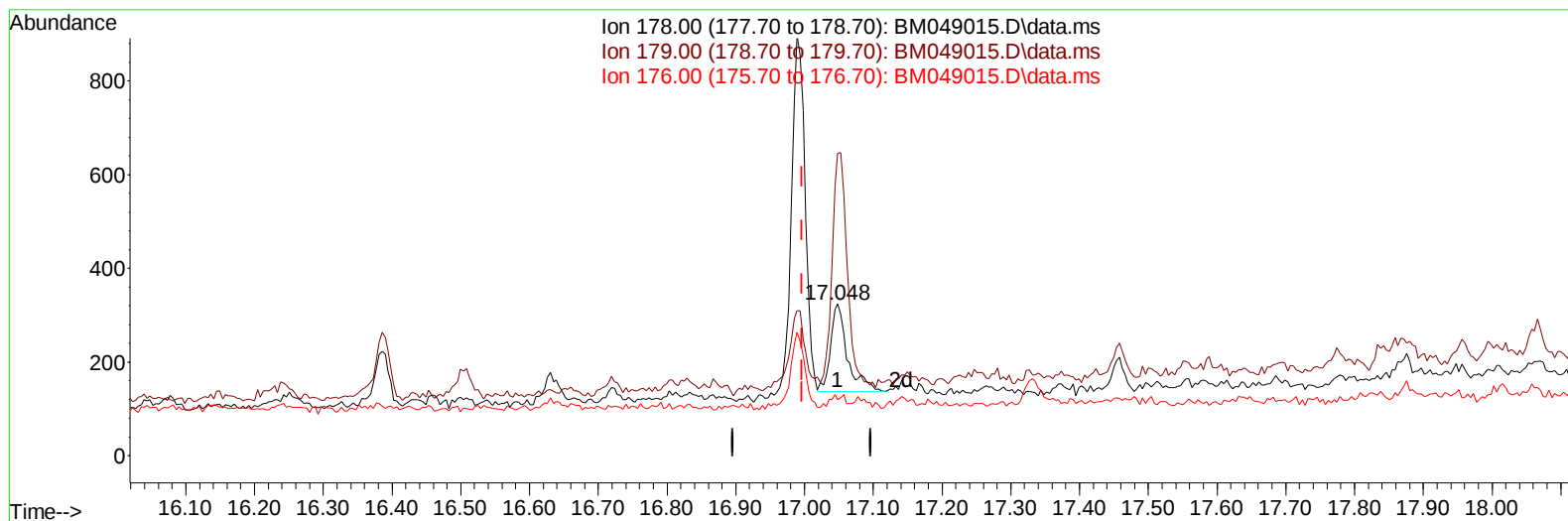
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049015.D
Acq On : 17 Dec 2024 11:03
Operator : RC/JU
Sample : P5155-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q7

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:10:54 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Supervised By :mohammad ahmed 12/18/2024



TIC: BM049015.D\data.ms

(15) Phenanthrene

17.048min (+ 0.052) 0.01 ng/u1

response 318

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.30	199.07#
176.00	19.80	36.73#
0.00	0.00	0.00

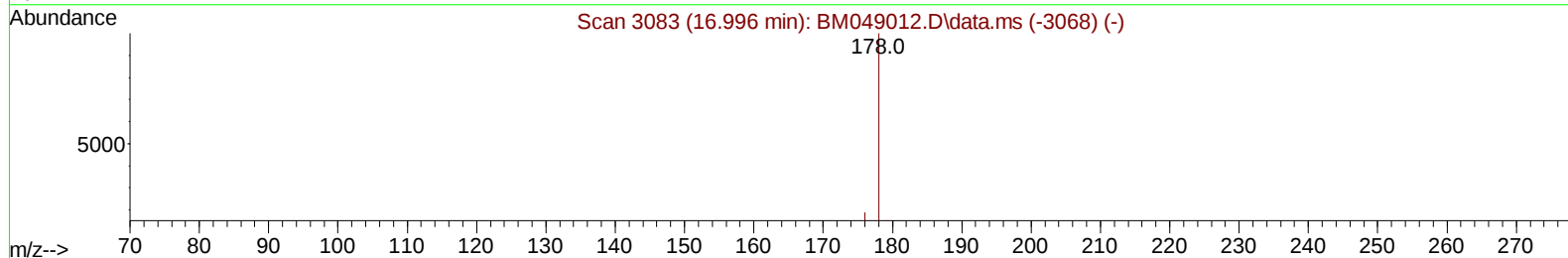
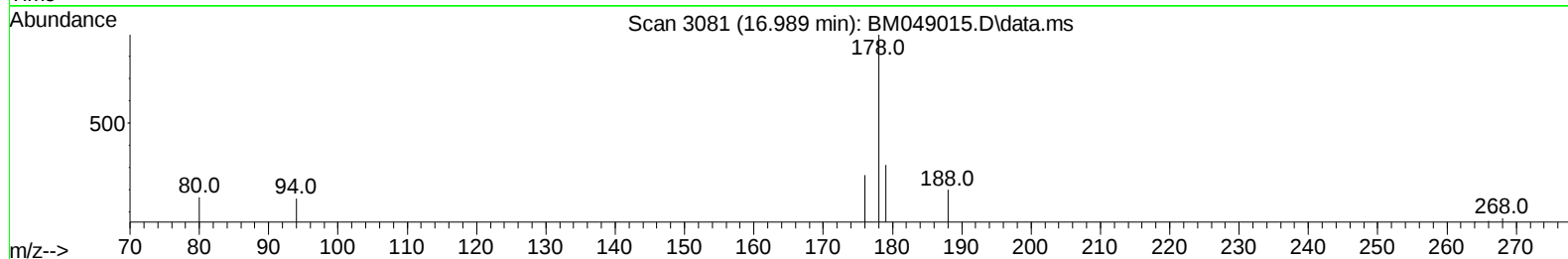
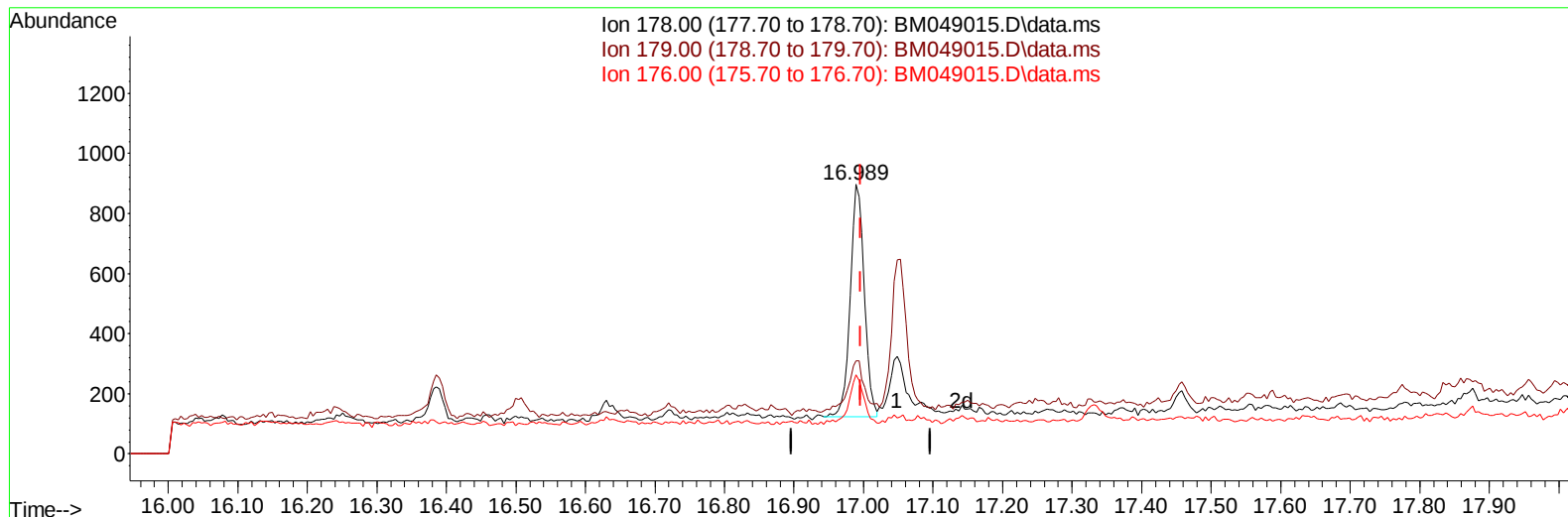
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049015.D
Acq On : 17 Dec 2024 11:03
Operator : RC/JU
Sample : P5155-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q7

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:10:54 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: BM049015.D\data.ms

(15) Phenanthrene

16.989min (-0.007) 0.02 ng/u1 m

response 1089

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.30	34.56#
176.00	19.80	29.43#
0.00	0.00	0.00

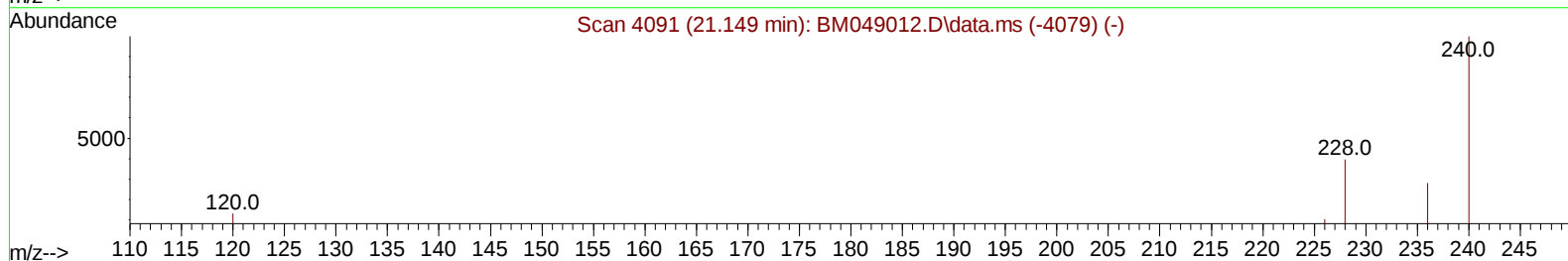
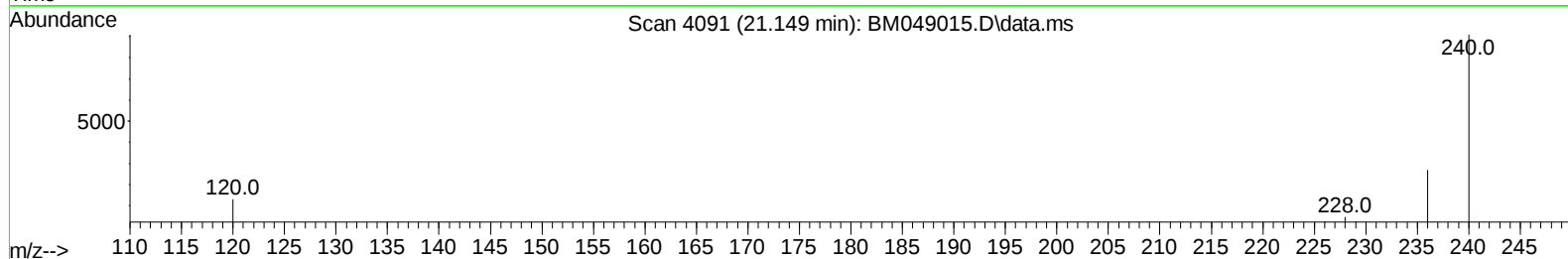
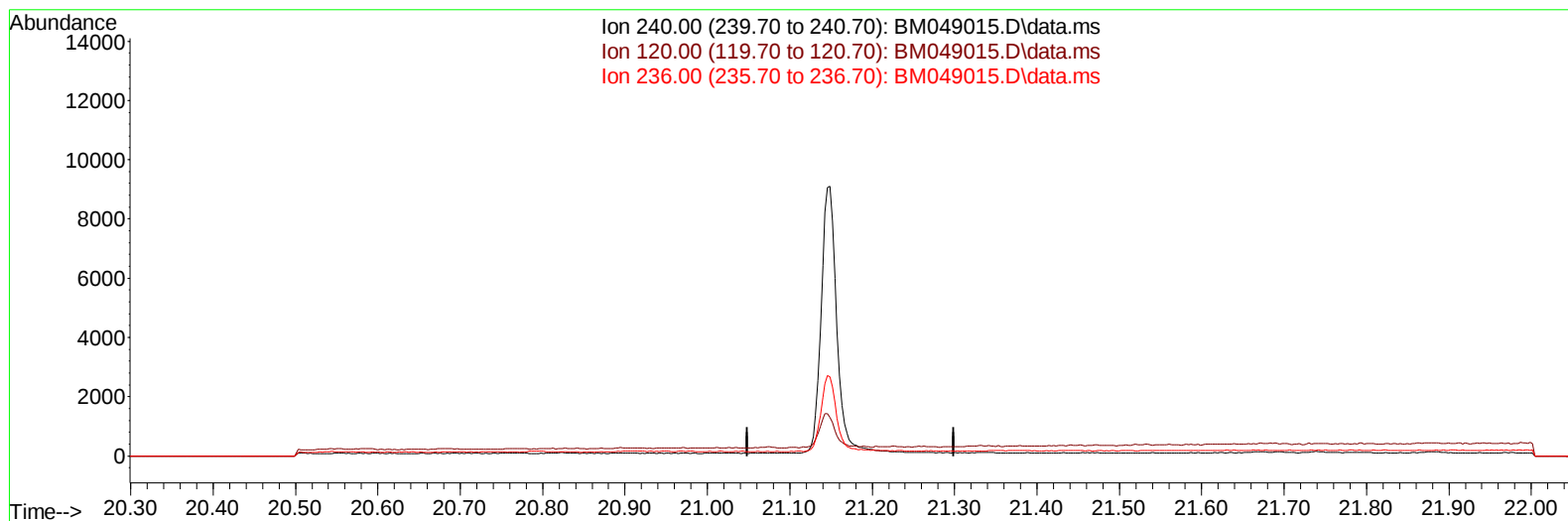
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049015.D
Acq On : 17 Dec 2024 11:03
Operator : RC/JU
Sample : P5155-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q7

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:10:54 2024
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TIC: BM049015.D\data.ms

(17) Chrysene-d12

21.149min (-21.149) 0.00 ng/u1

response 0

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

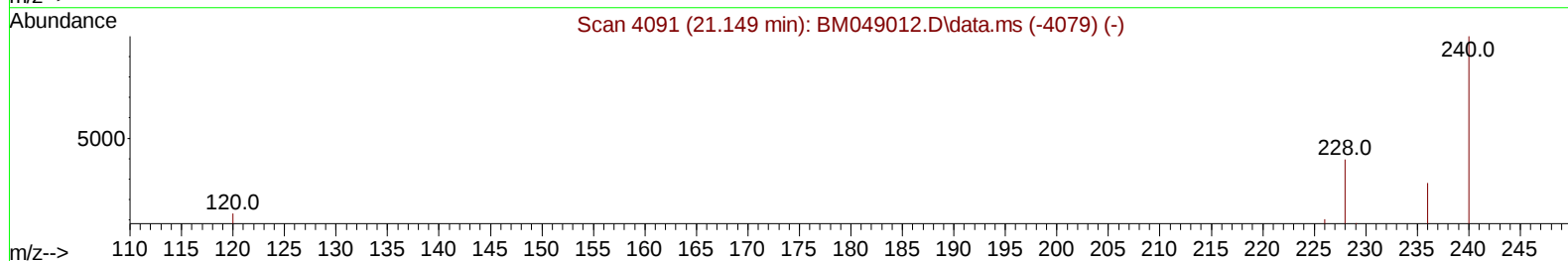
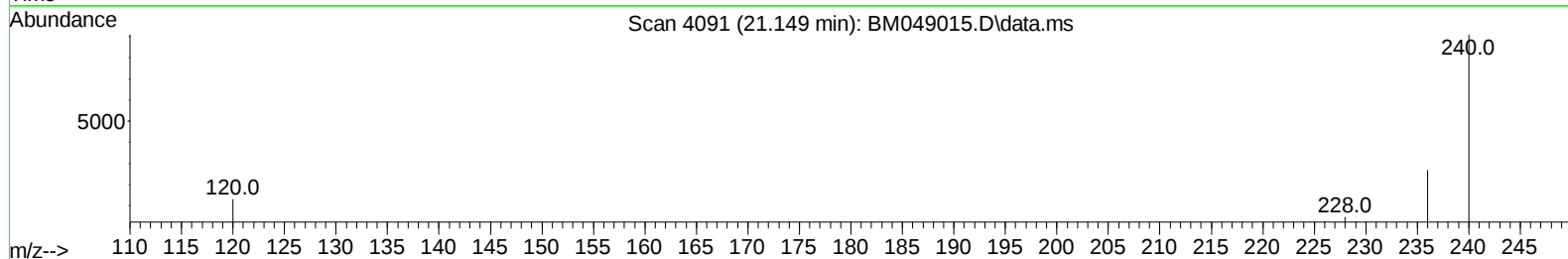
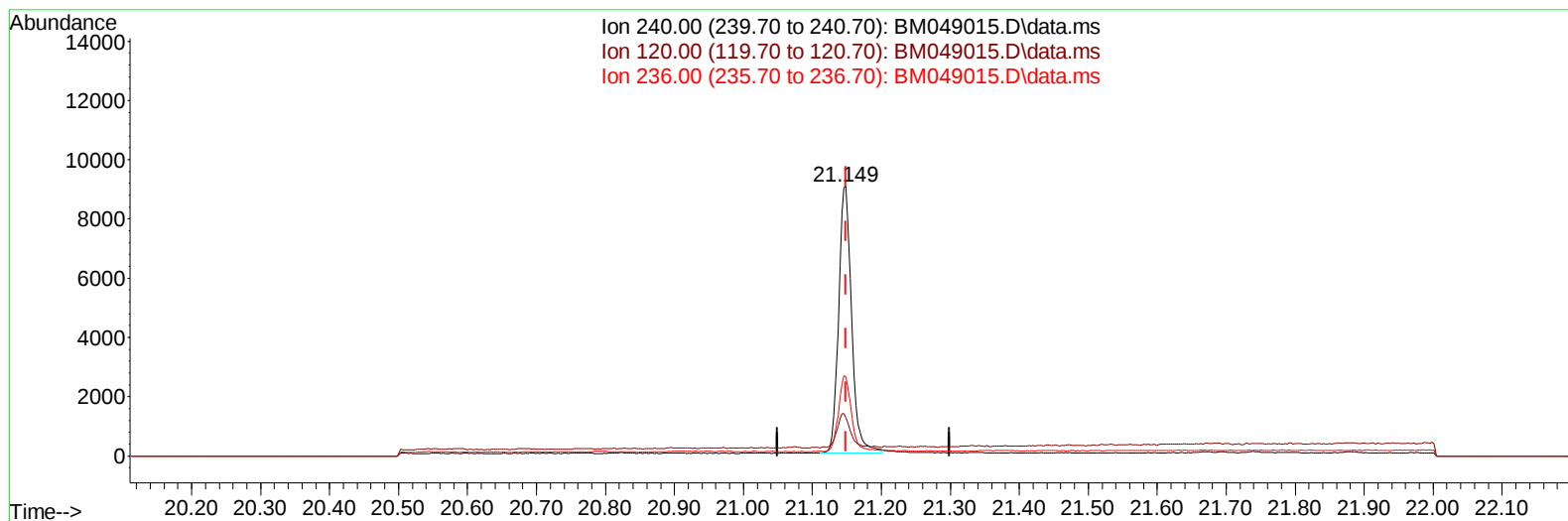
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049015.D
Acq On : 17 Dec 2024 11:03
Operator : RC/JU
Sample : P5155-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q7

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:10:54 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: BM049015.D\data.ms

(17) Chrysene-d12

21.149min (-0.000) 0.40 ng/ul m

response 11805

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.30	14.36#
236.00	30.50	29.40
0.00	0.00	0.00

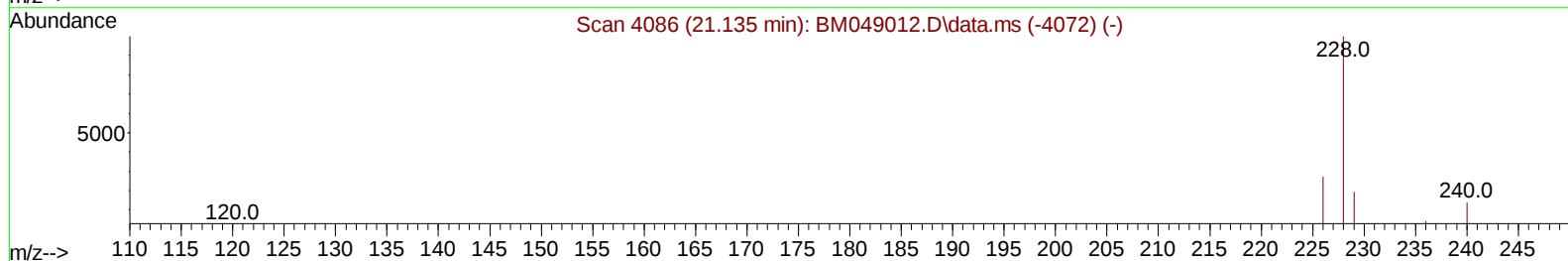
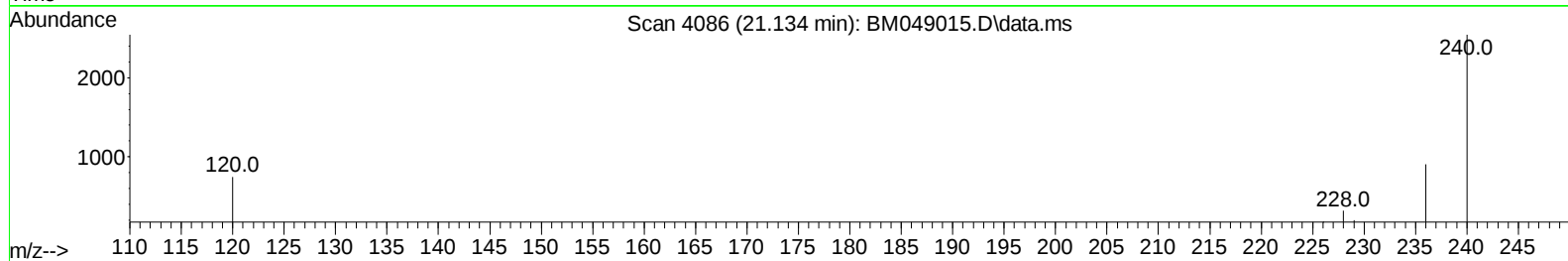
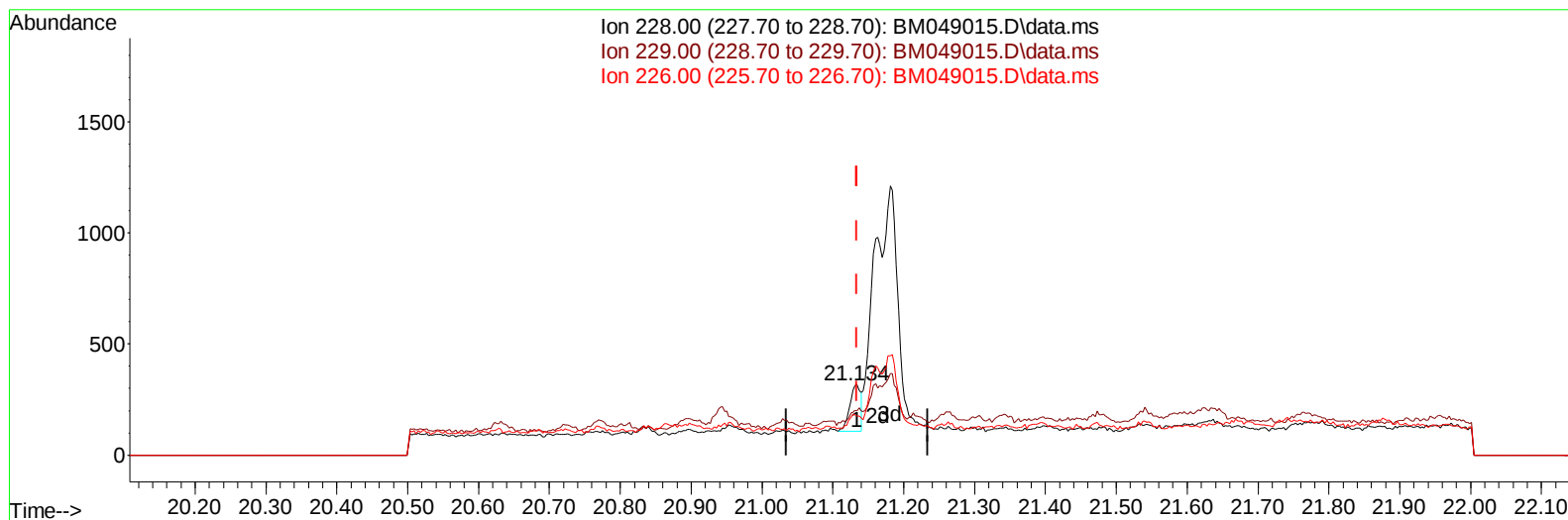
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049015.D
Acq On : 17 Dec 2024 11:03
Operator : RC/JU
Sample : P5155-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q7

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:10:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
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Reviewed By :Yogesh Patel 12/18/2024
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TIC: BM049015.D\data.ms

(21) Benzo(a)anthracene

21.134min (-0.000) 0.01 ng/u1

response 229

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	62.89#
226.00	28.70	55.03#
0.00	0.00	0.00

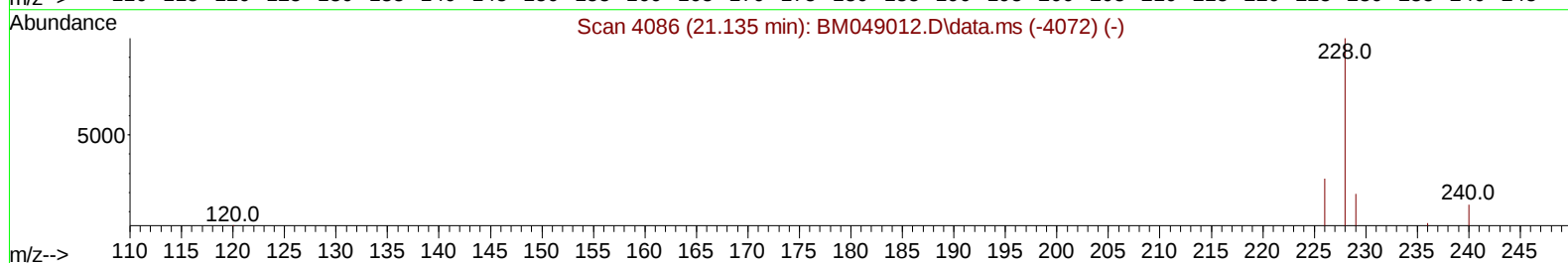
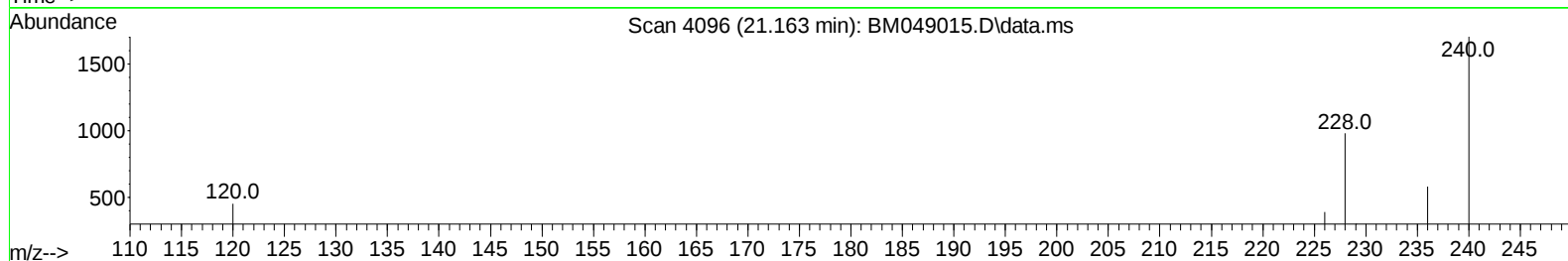
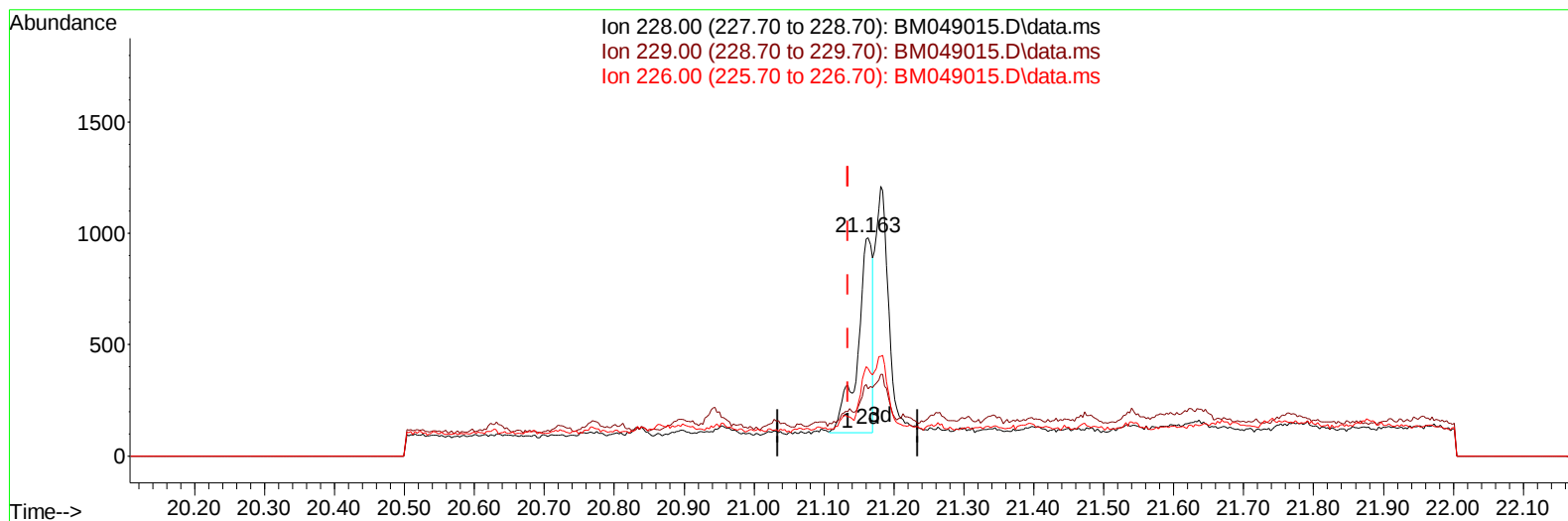
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049015.D
Acq On : 17 Dec 2024 11:03
Operator : RC/JU
Sample : P5155-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q7

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:10:54 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: BM049015.D\data.ms

(21) Benzo(a)anthracene

21.163min (+ 0.029) 0.03 ng/u1 m

response 1302

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	30.78#
226.00	28.70	40.16#
0.00	0.00	0.00

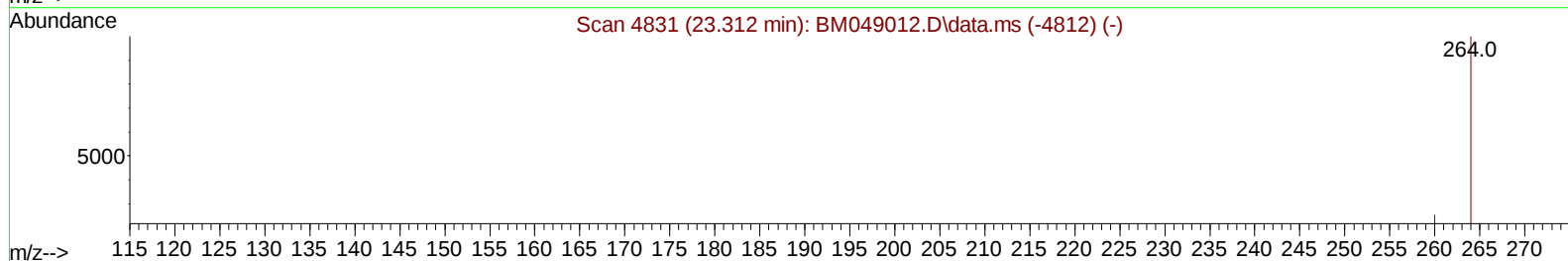
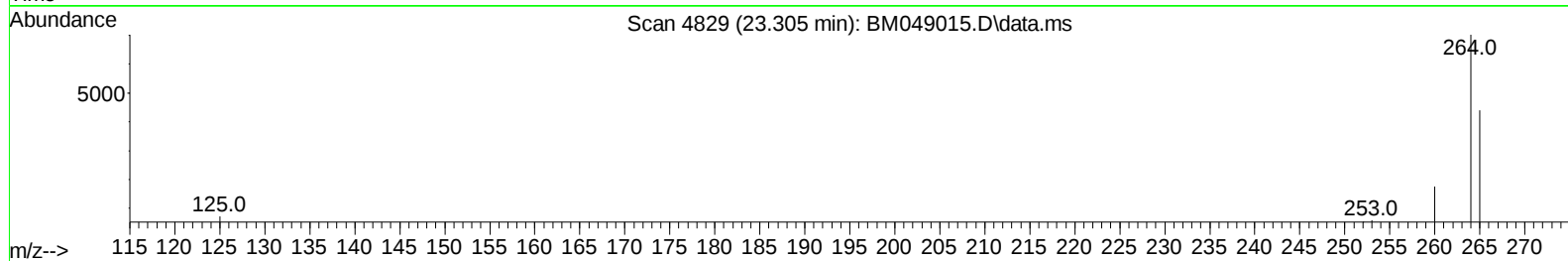
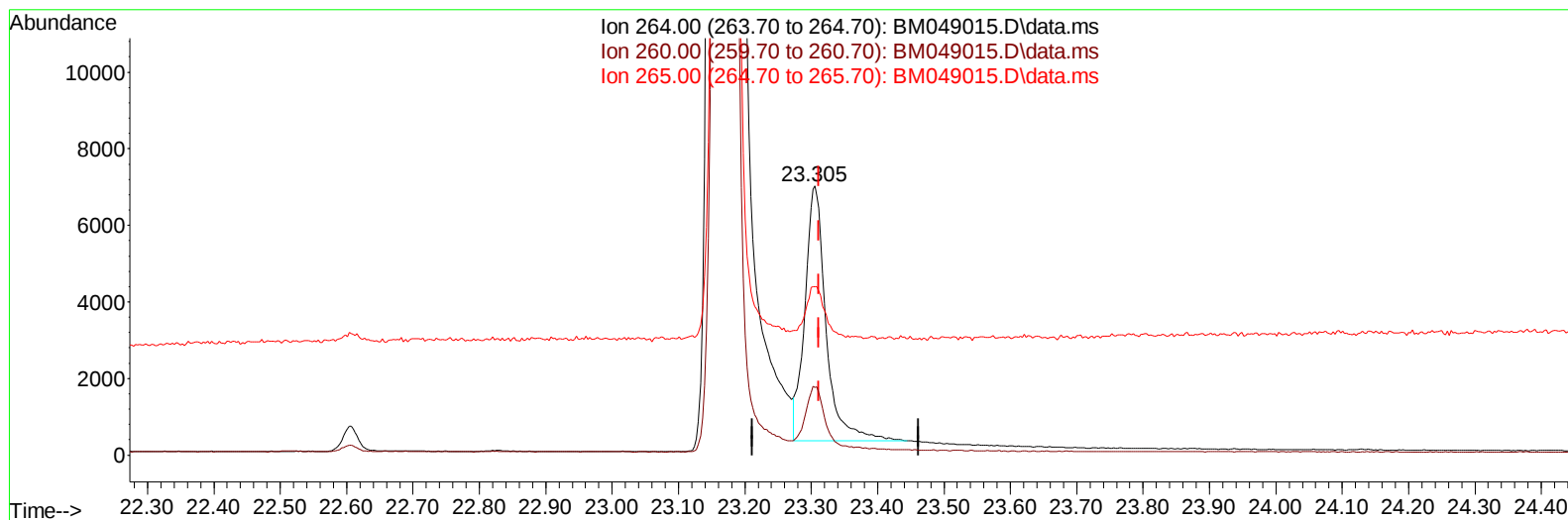
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049015.D
Acq On : 17 Dec 2024 11:03
Operator : RC/JU
Sample : P5155-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q7

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:10:54 2024
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Supervised By :mohammad ahmed 12/18/2024



TIC: BM049015.D\data.ms

(23) Perylene-d12 (I)

23.305min (-0.006) 0.40 ng/u1

response 14900

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.50	25.06
265.00	82.60	62.61#
0.00	0.00	0.00

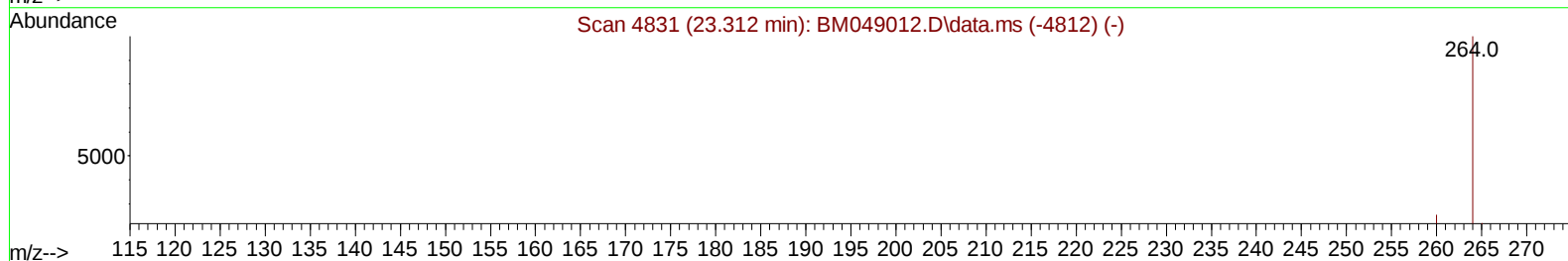
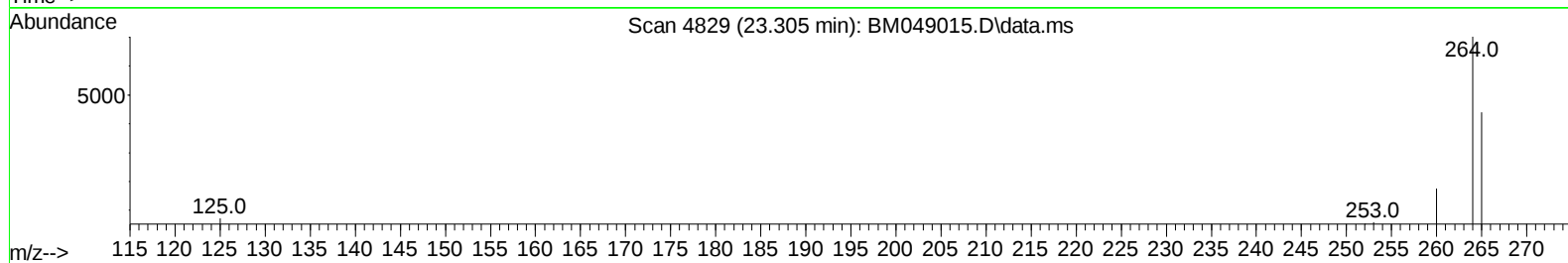
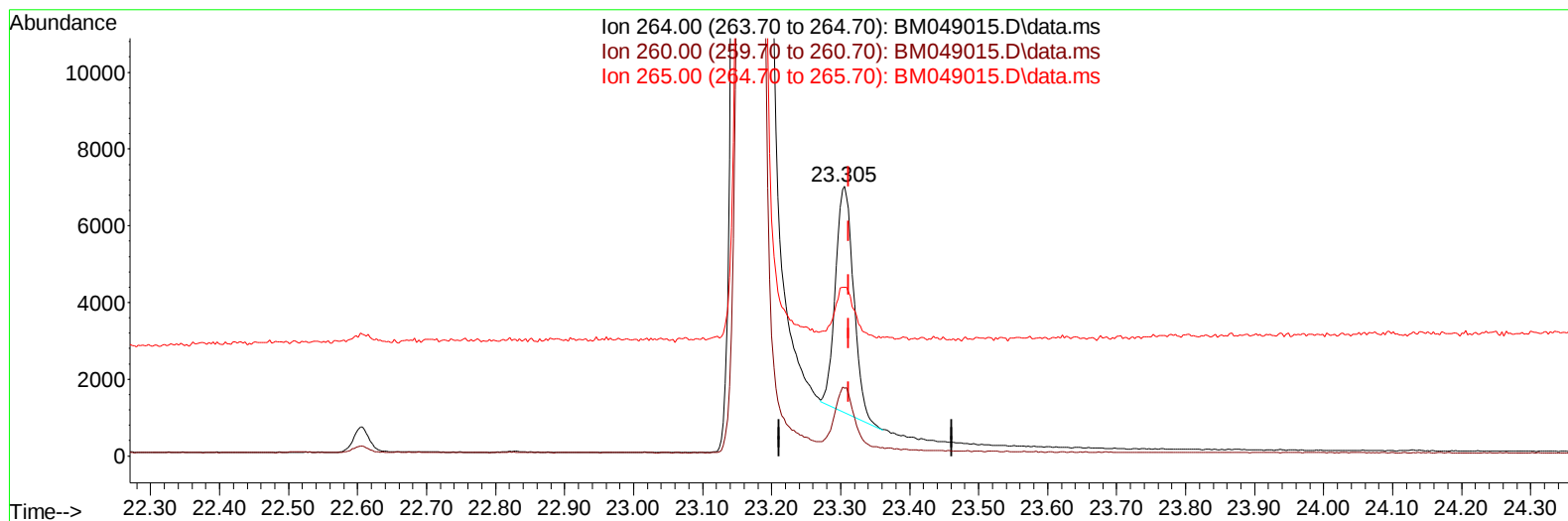
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049015.D
Acq On : 17 Dec 2024 11:03
Operator : RC/JU
Sample : P5155-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Q7

Manual IntegrationsAPPROVED

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TIC: BM049015.D\data.ms

(23) Perylene-d12 (I)

23.305min (-0.006) 0.40 ng/ul m

response 10788

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.50	25.06
265.00	82.60	62.61#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
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 Operator : RC/JU
 Sample : P5155-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28Q7

Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 12/18/2024

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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.573	152		5504	0.400	ng/ul	0.00
4) Naphthalene-d8	10.332	136		15670	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.206	164		8339	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.951	188		16854m	0.400	ng/ul	0.00
17) Chrysene-d12	21.149	240		11805m	0.400	ng/ul	0.00
23) Perylene-d12	23.305	264		10788m	0.400	ng/ul	0.00
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.151	96		15770	2.452	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.932	152		3579	0.179	ng/ul	0.00
18) Fluoranthene-d10	18.984	212		6673	0.189	ng/ul	0.00
Target Compounds							Qvalue
15) Phenanthrene	16.989	178		1089m	0.024	ng/ul	
21) Benzo(a)anthracene	21.163	228		1302m	0.031	ng/ul	
22) Chrysene	21.181	228		1309	0.028	ng/ul#	85
29) Benzo(g,h,i)perylene	26.101	276		945	0.024	ng/ul#	57

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
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