

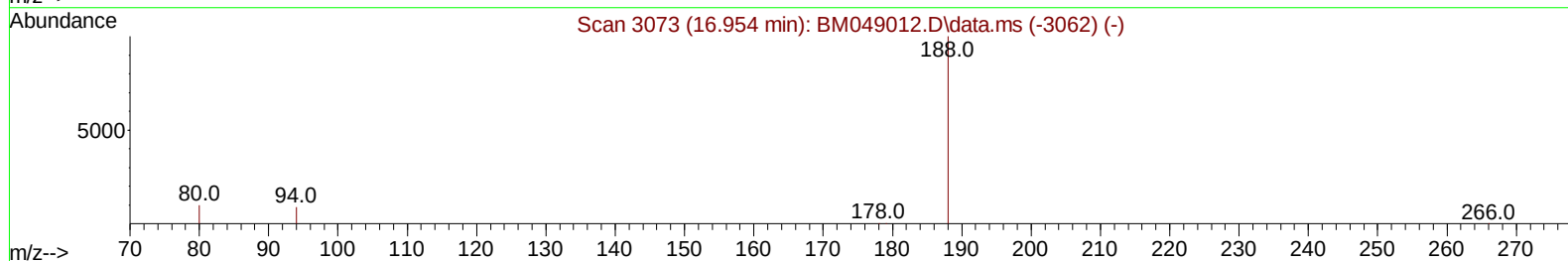
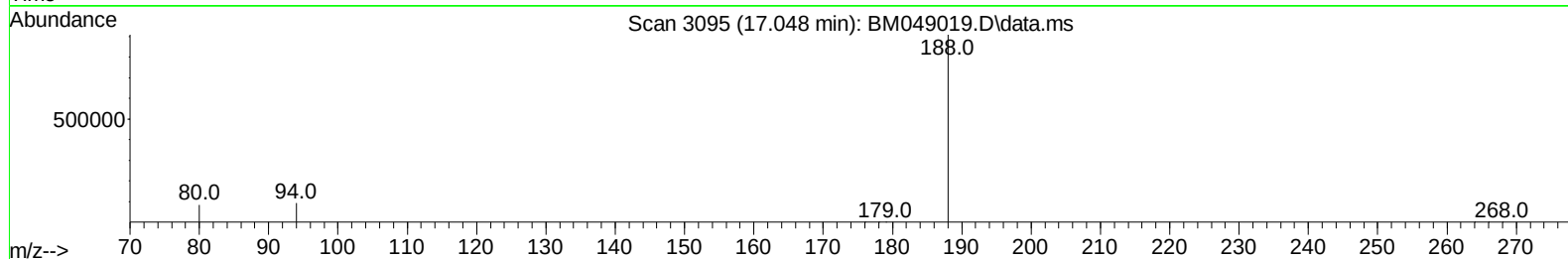
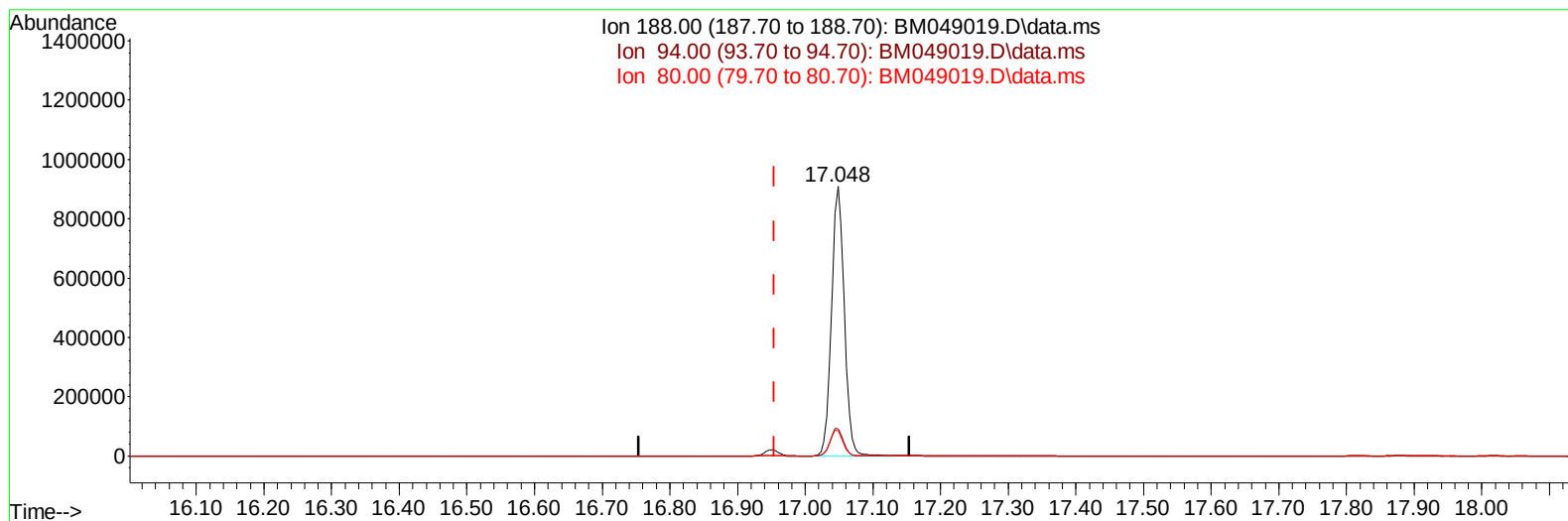
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049019.D
Acq On : 17 Dec 2024 13:27
Operator : RC/JU
Sample : P5155-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28W4

Manual IntegrationsAPPROVED

Quant Time: Dec 17 14:13:57 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: BM049019.D\data.ms

(13) Phenanthrene-d10 (I)

17.048min (+ 0.094) 0.40 ng/u1

response 1191960

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	12.10	10.14
80.00	13.90	9.25#
0.00	0.00	0.00

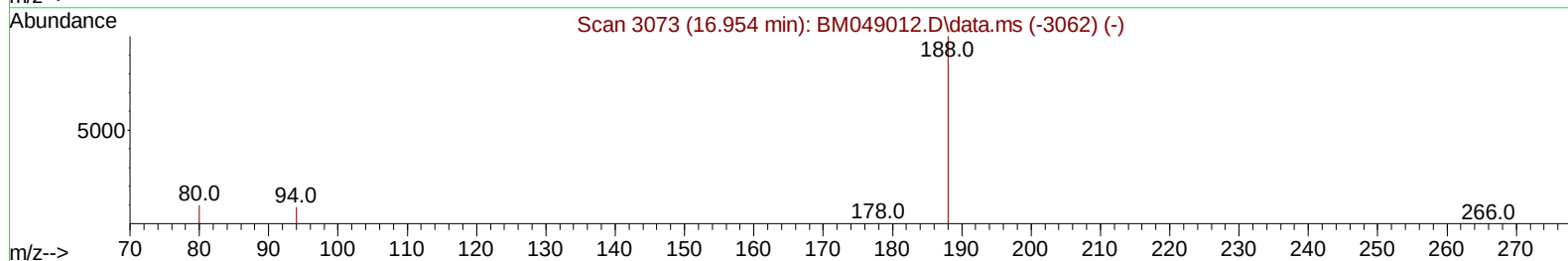
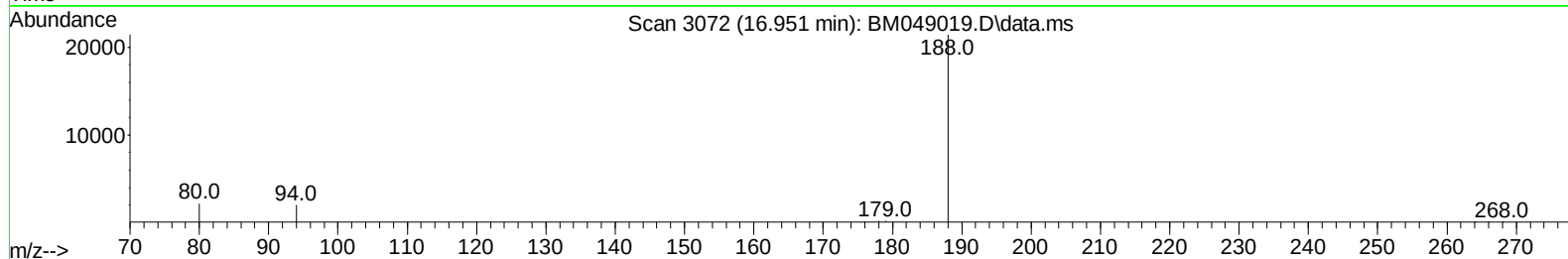
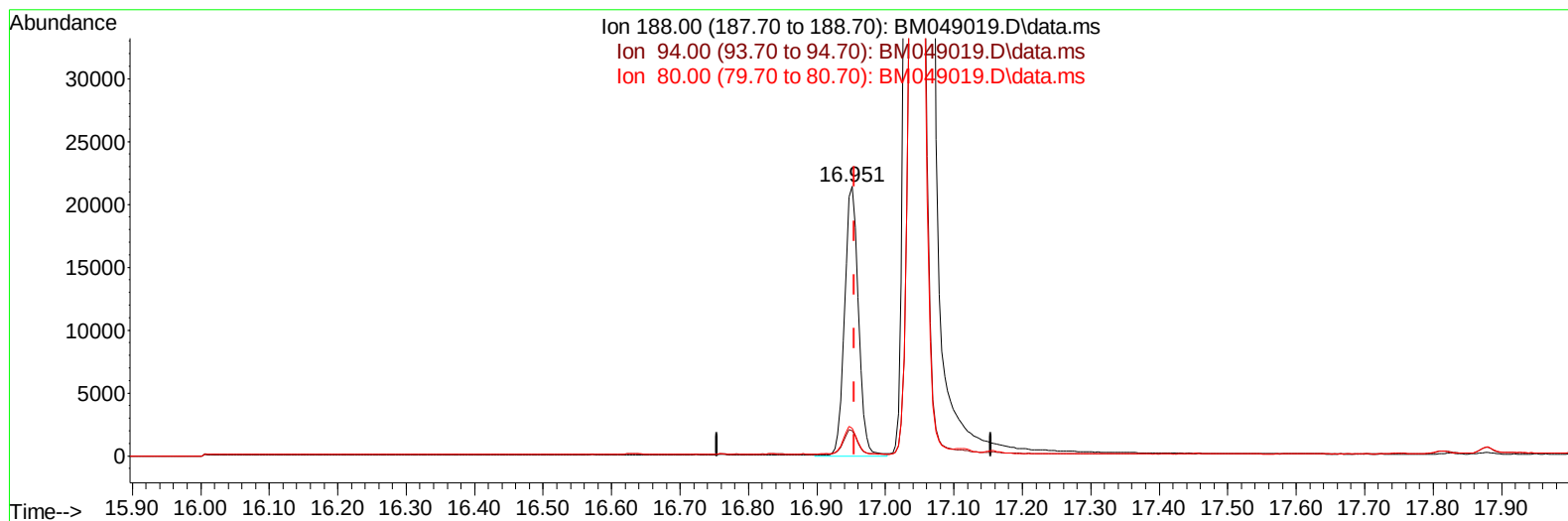
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049019.D
Acq On : 17 Dec 2024 13:27
Operator : RC/JU
Sample : P5155-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28W4

Manual IntegrationsAPPROVED

Quant Time: Dec 17 14:13:57 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: BM049019.D\data.ms

(13) Phenanthrene-d10 (I)

16.951min (-0.003) 0.40 ng/ul m

response 29935

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	12.10	9.34#
80.00	13.90	10.20#
0.00	0.00	0.00

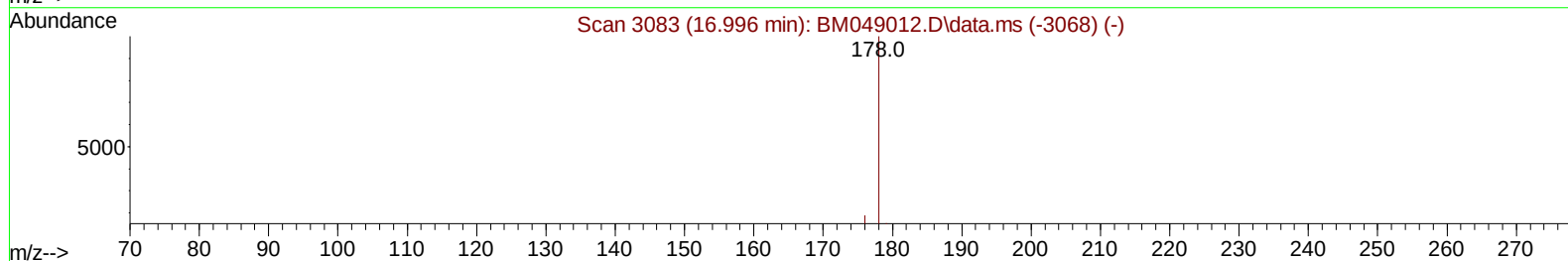
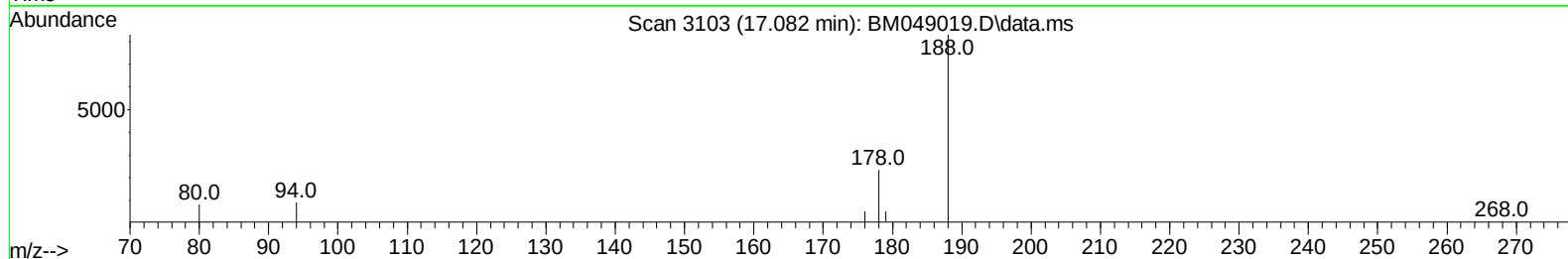
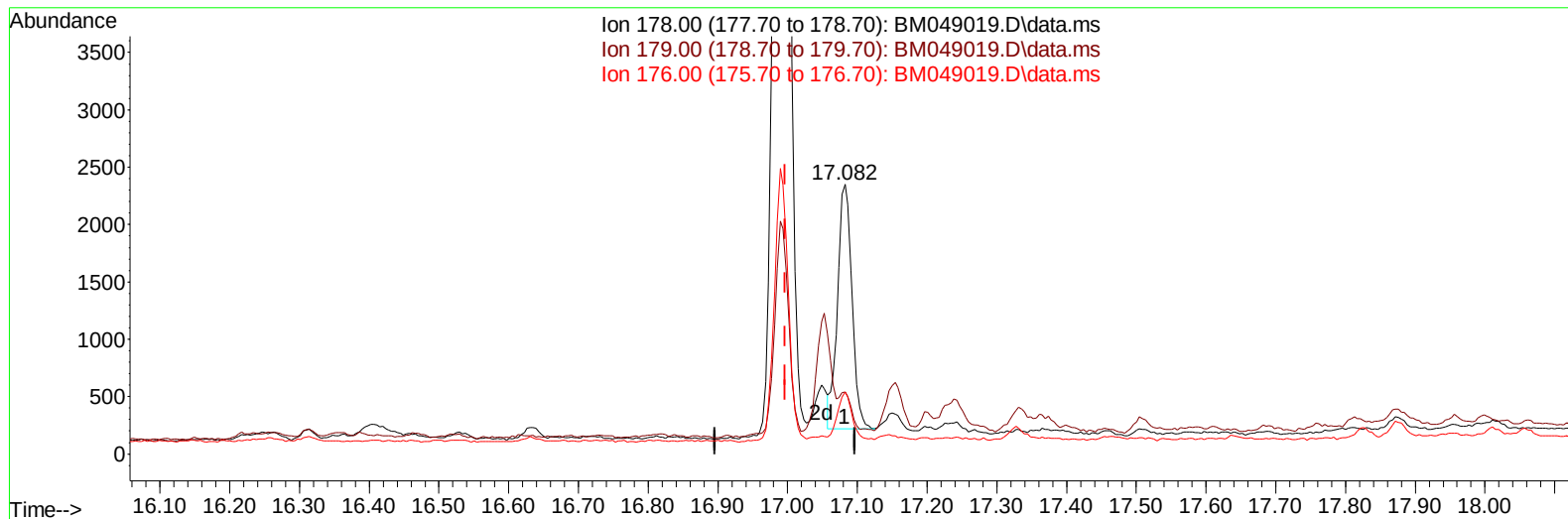
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049019.D
Acq On : 17 Dec 2024 13:27
Operator : RC/JU
Sample : P5155-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28W4

Manual IntegrationsAPPROVED

Quant Time: Dec 17 14:13:57 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: BM049019.D\data.ms

(15) Phenanthrene

17.082min (+ 0.086) 0.04 ng/u1

response 3055

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.30	22.99#
176.00	19.80	22.90
0.00	0.00	0.00

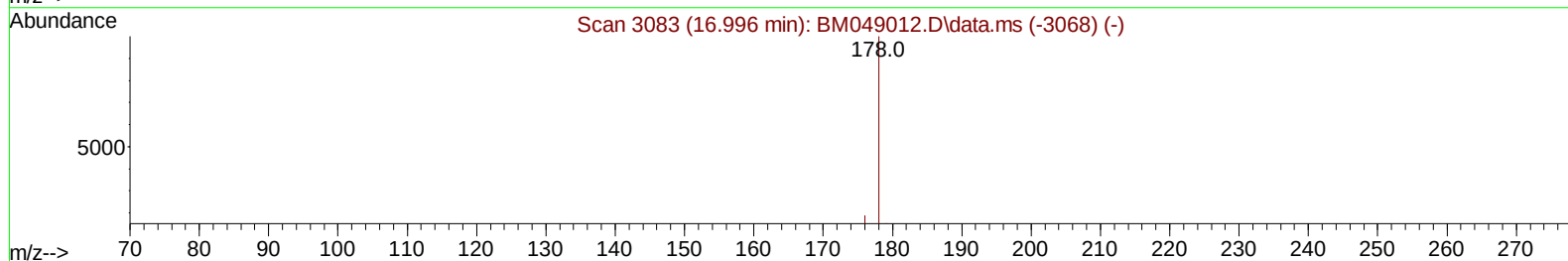
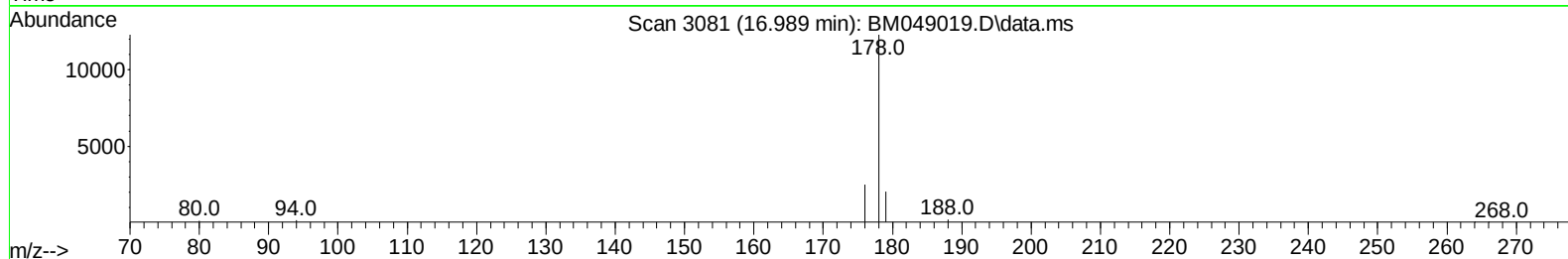
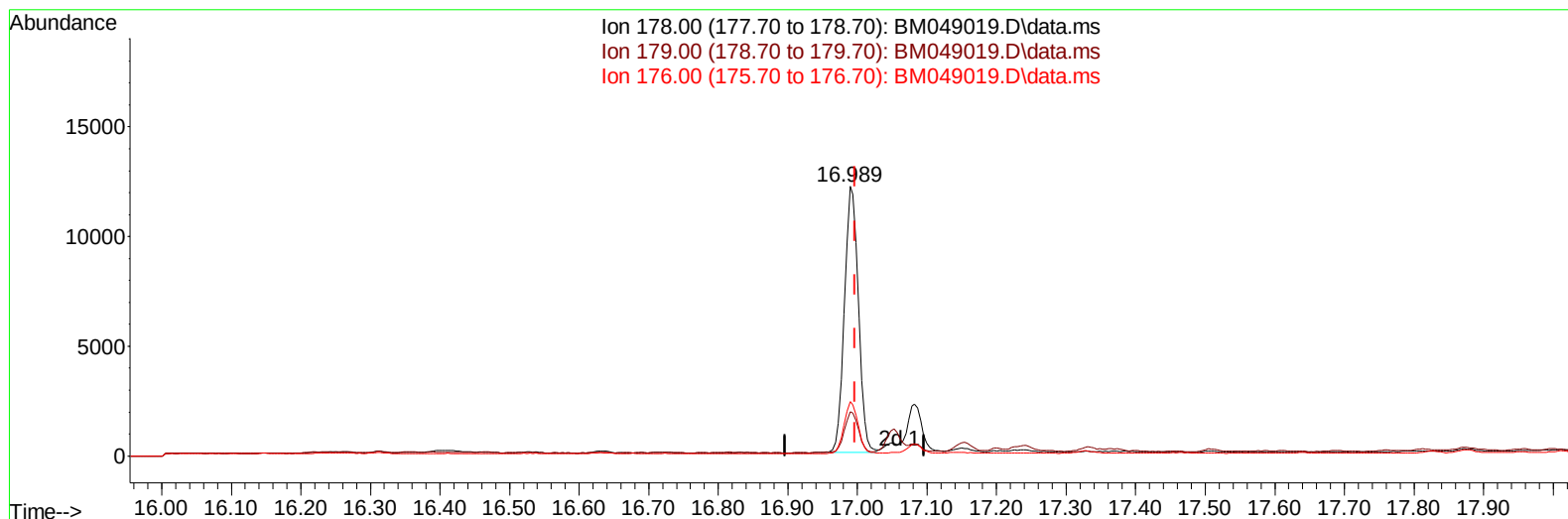
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049019.D
Acq On : 17 Dec 2024 13:27
Operator : RC/JU
Sample : P5155-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28W4

Manual IntegrationsAPPROVED

Quant Time: Dec 17 14:13:57 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: BM049019.D\data.ms

(15) Phenanthrene

16.989min (-0.007) 0.21 ng/ul m

response 16873

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.30	16.51
176.00	19.80	20.28
0.00	0.00	0.00

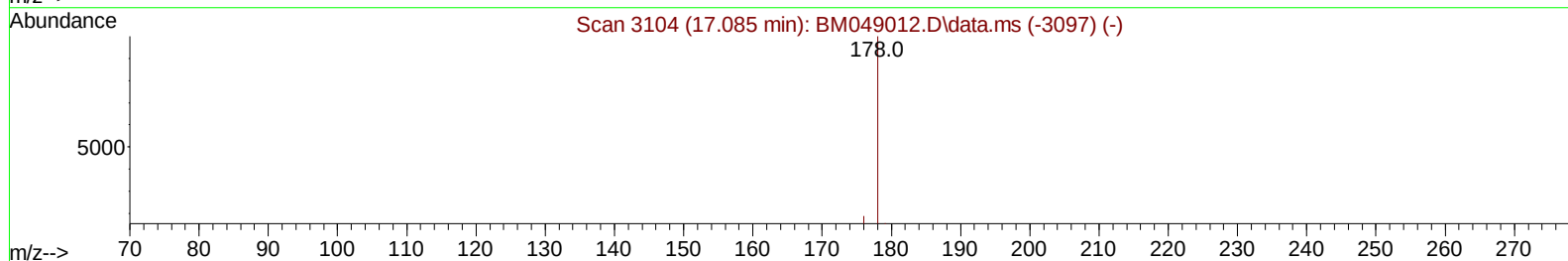
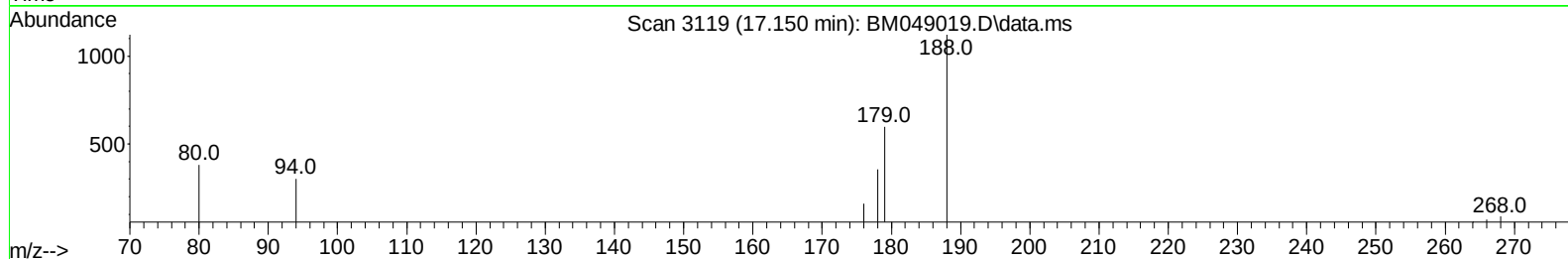
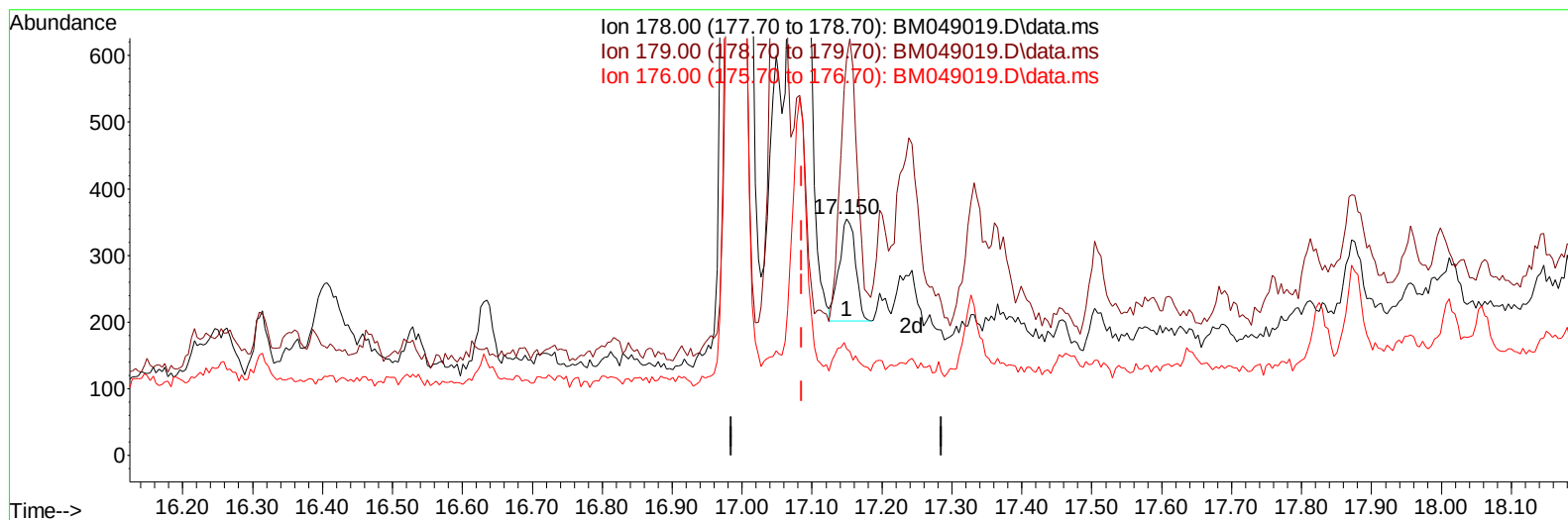
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049019.D
Acq On : 17 Dec 2024 13:27
Operator : RC/JU
Sample : P5155-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28W4

Manual IntegrationsAPPROVED

Quant Time: Dec 17 14:13:57 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: BM049019.D\data.ms

(16) Anthracene

17.150min (+ 0.065) 0.00 ng/u1

response 247

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	168.17#
176.00	18.80	45.07#
0.00	0.00	0.00

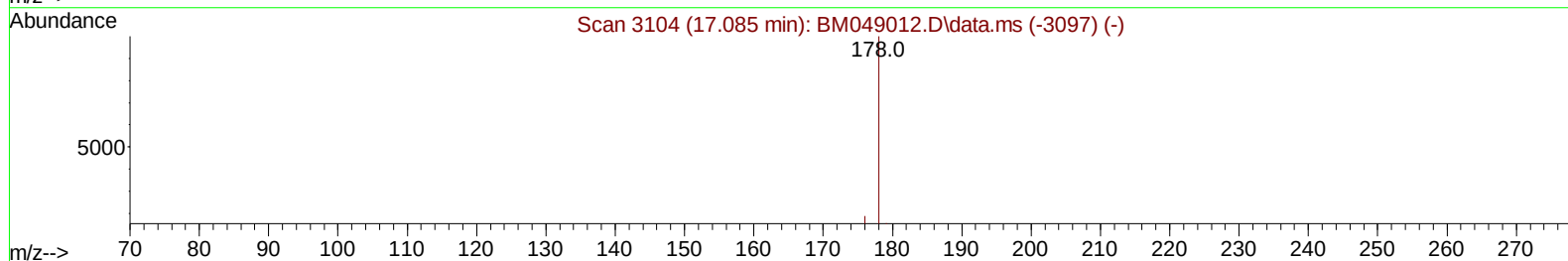
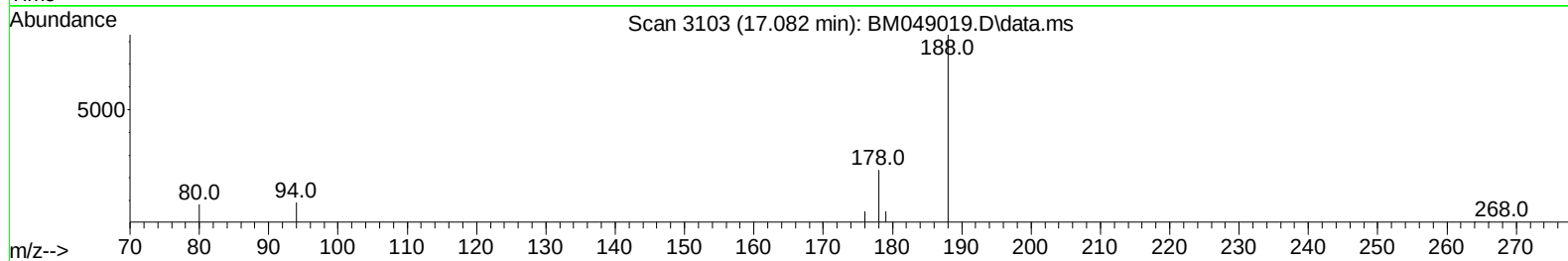
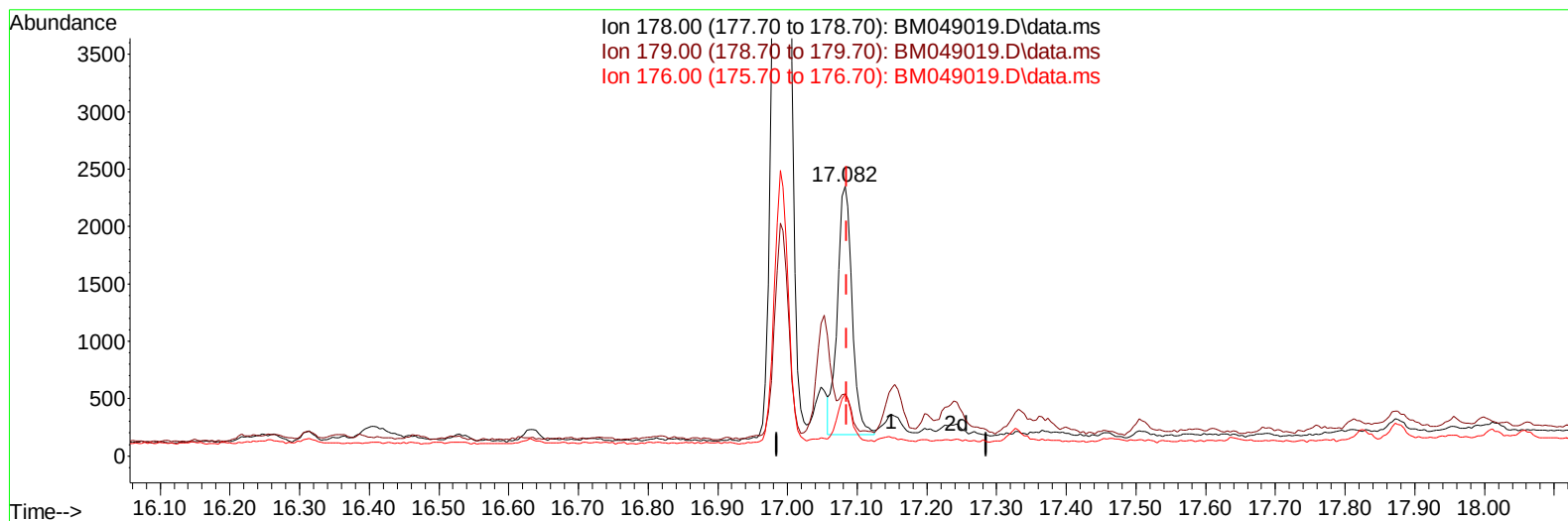
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049019.D
Acq On : 17 Dec 2024 13:27
Operator : RC/JU
Sample : P5155-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28W4

Manual IntegrationsAPPROVED

Quant Time: Dec 17 14:13:57 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: BM049019.D\data.ms

(16) Anthracene

17.082min (-0.003) 0.04 ng/ul m

response 3184

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	22.99#
176.00	18.80	22.90#
0.00	0.00	0.00

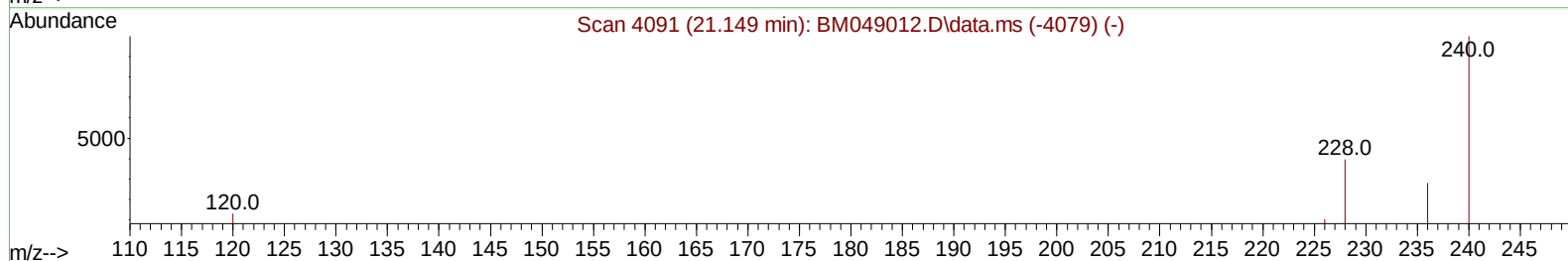
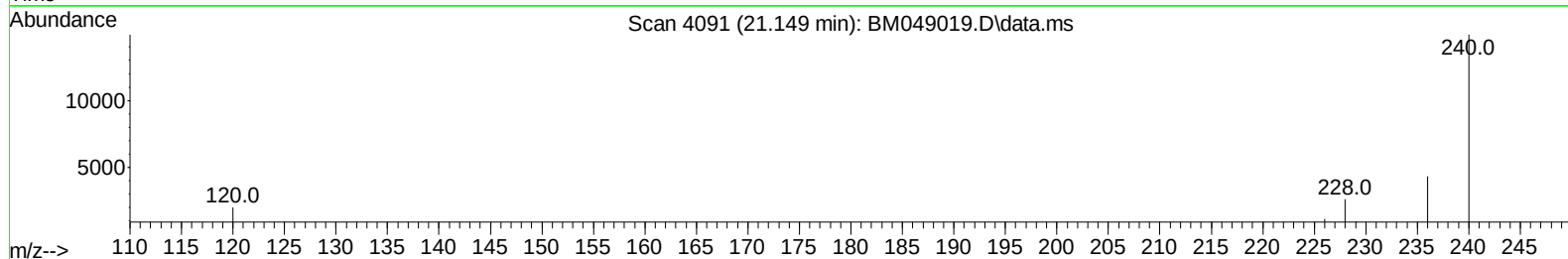
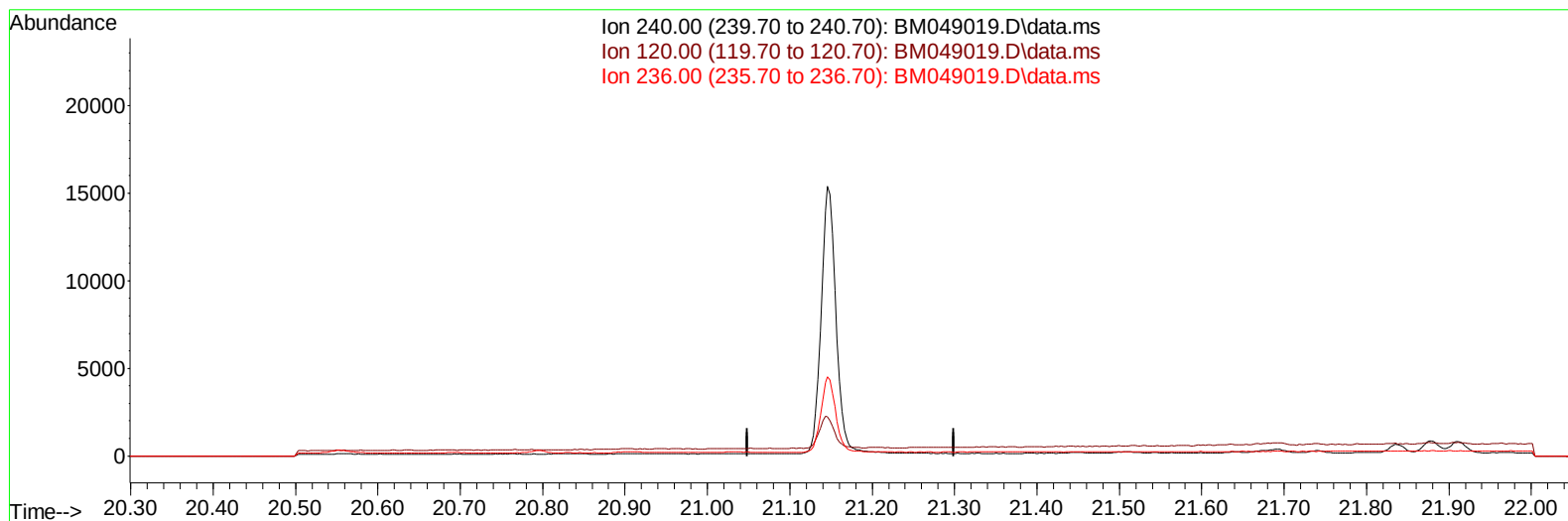
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049019.D
Acq On : 17 Dec 2024 13:27
Operator : RC/JU
Sample : P5155-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28W4

Manual IntegrationsAPPROVED

Quant Time: Dec 17 14:13:57 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: BM049019.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

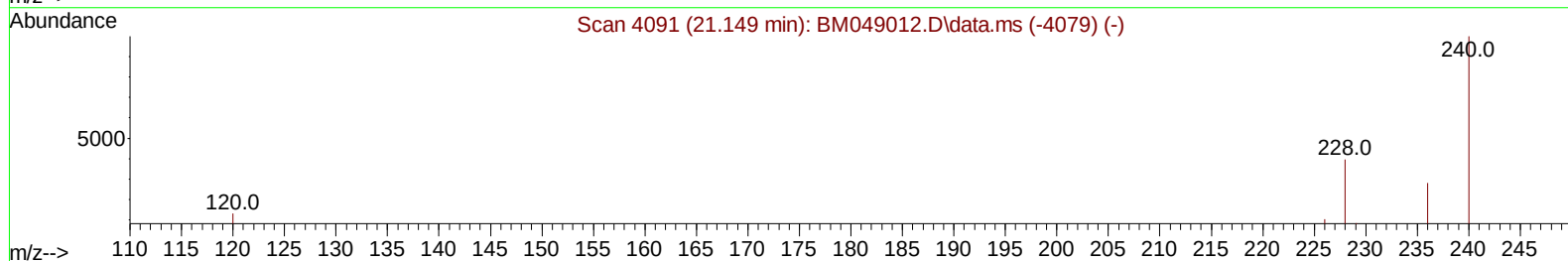
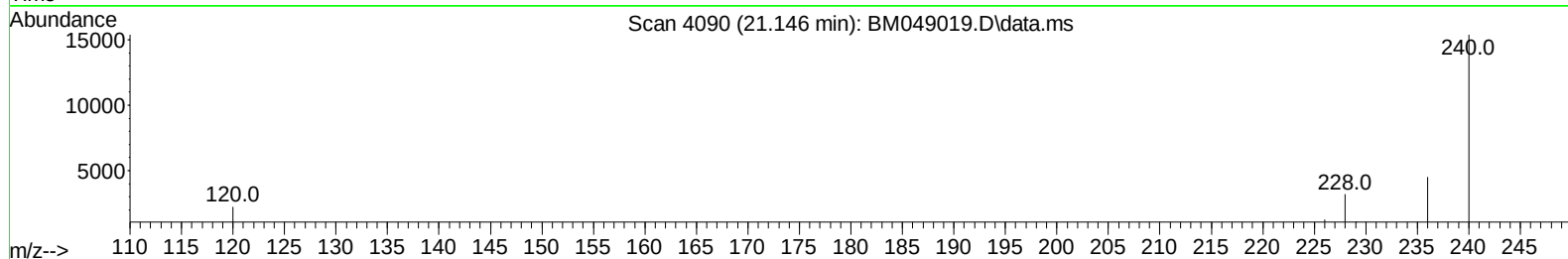
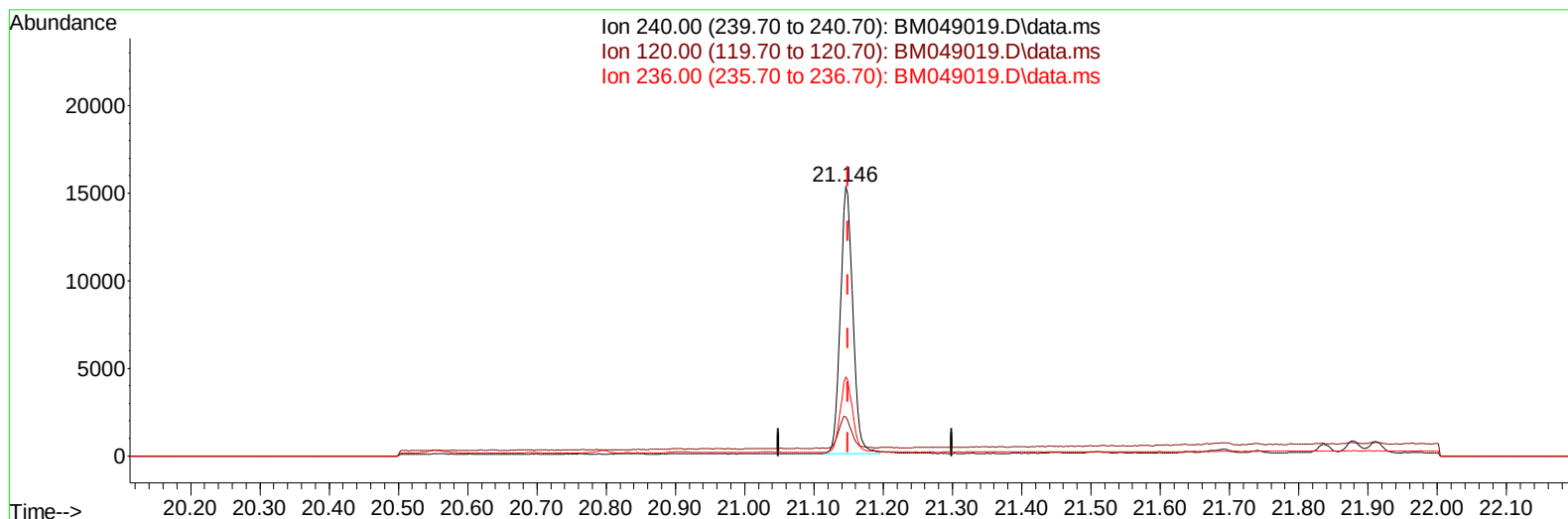
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049019.D
Acq On : 17 Dec 2024 13:27
Operator : RC/JU
Sample : P5155-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28W4

Manual IntegrationsAPPROVED

Quant Time: Dec 17 14:13:57 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: BM049019.D\data.ms

(17) Chrysene-d12

21.146min (-0.003) 0.40 ng/ul m

response 19051

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.30	14.54#
236.00	30.50	29.42
0.00	0.00	0.00

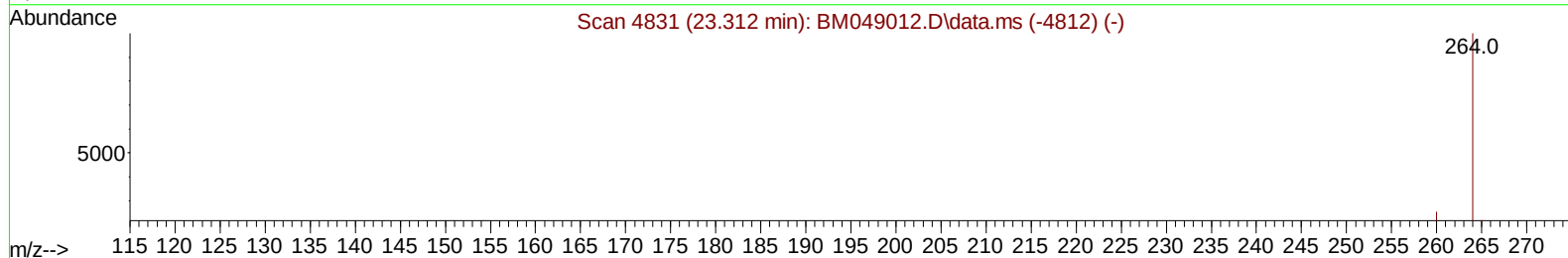
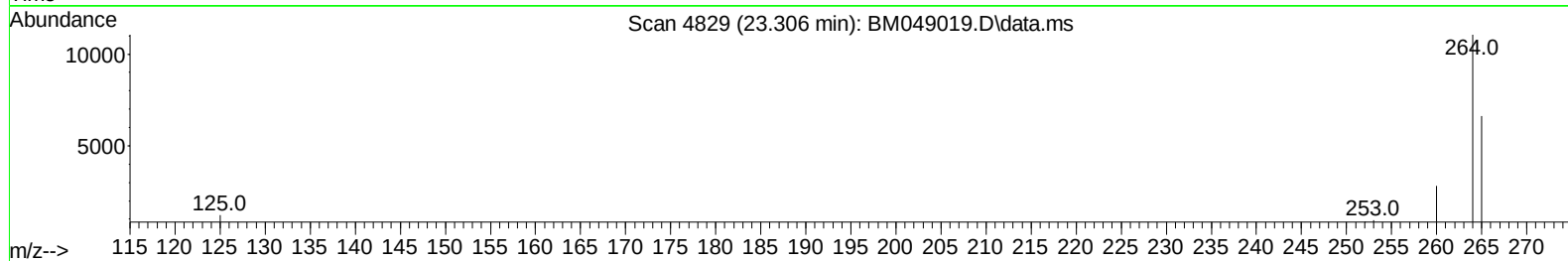
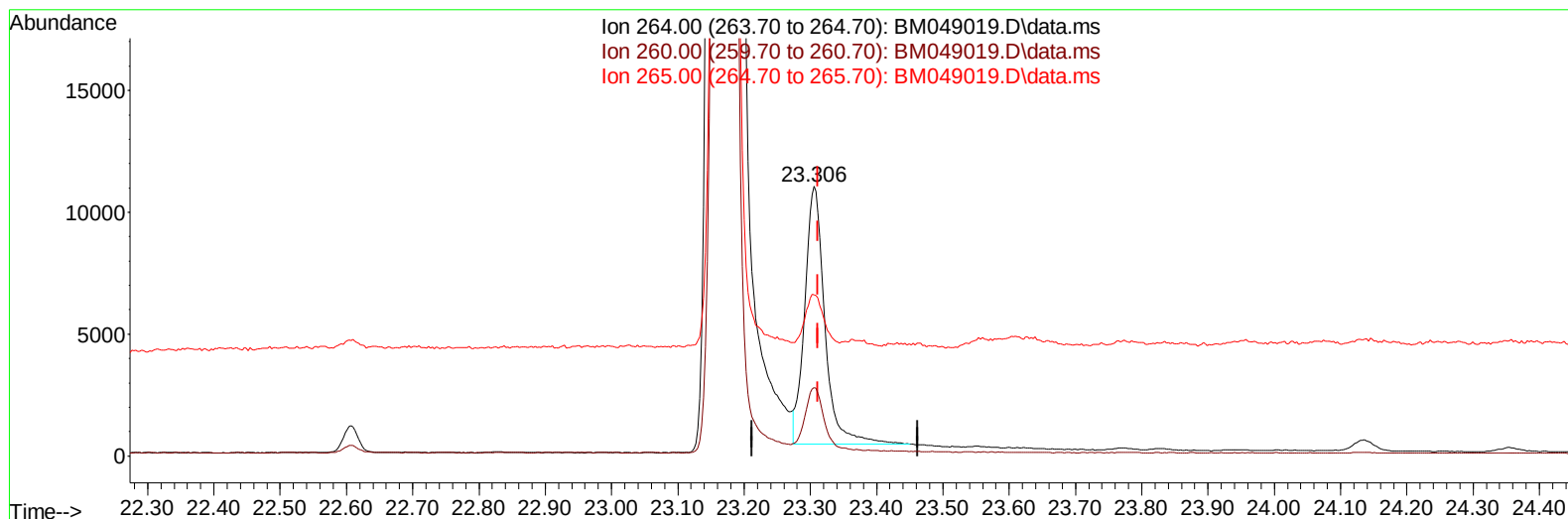
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049019.D
Acq On : 17 Dec 2024 13:27
Operator : RC/JU
Sample : P5155-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28W4

Manual IntegrationsAPPROVED

Quant Time: Dec 17 14:13:57 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: BM049019.D\data.ms

(23) Perylene-d12 (I)

23.306min (-0.006) 0.40 ng/u1

response 22572

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.50	25.43
265.00	82.60	59.88#
0.00	0.00	0.00

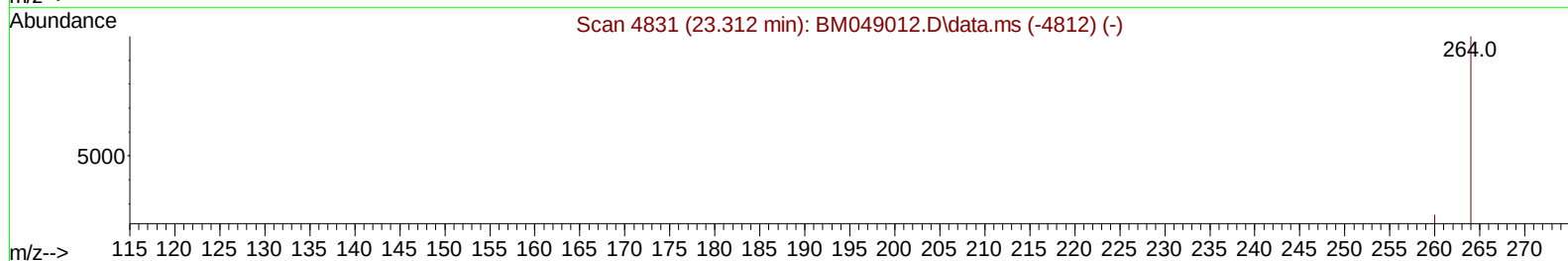
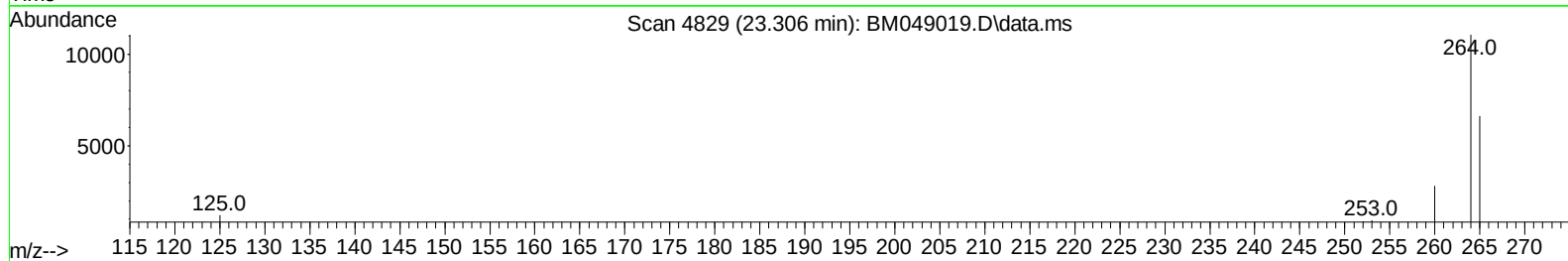
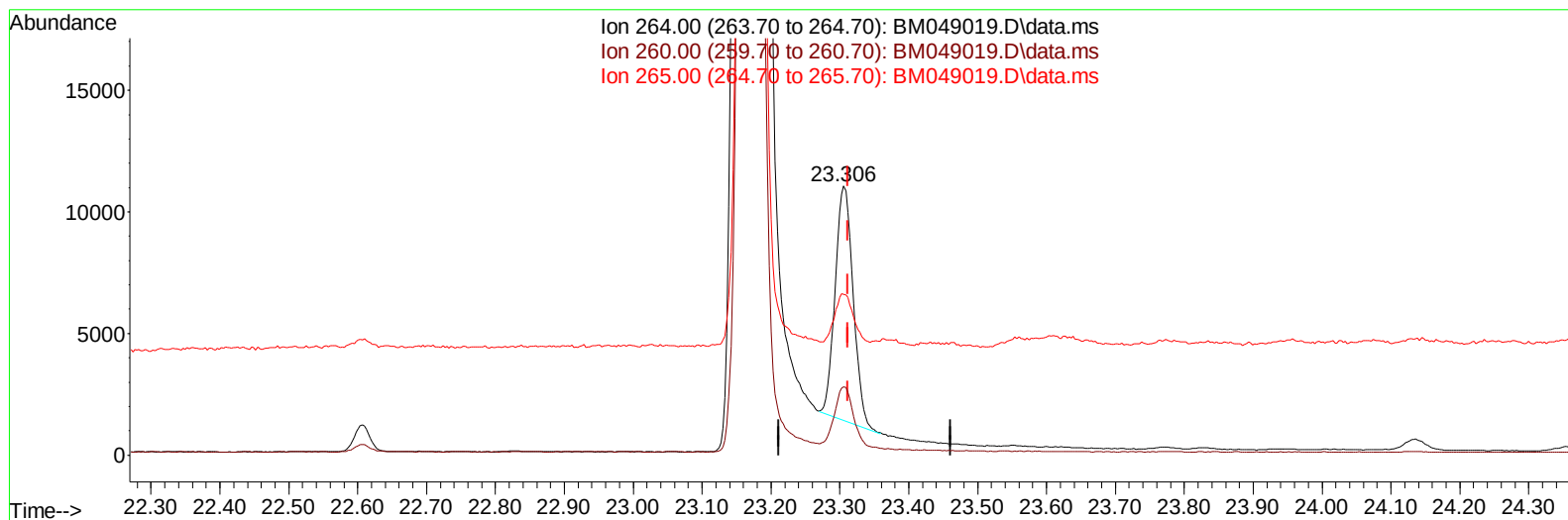
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049019.D
Acq On : 17 Dec 2024 13:27
Operator : RC/JU
Sample : P5155-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28W4

Manual IntegrationsAPPROVED

Quant Time: Dec 17 14:13:57 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: BM049019.D\data.ms

(23) Perylene-d12 (I)

23.306min (-0.006) 0.40 ng/ul m

response 17525

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.50	25.43
265.00	82.60	59.88#
0.00	0.00	0.00

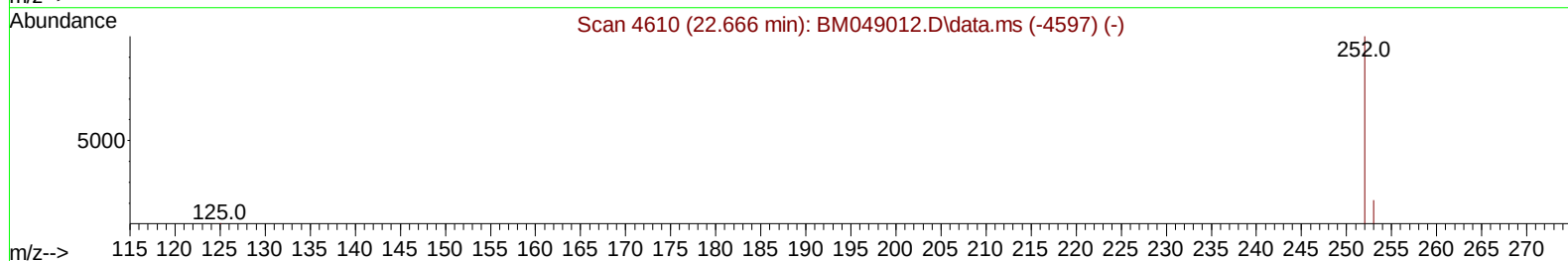
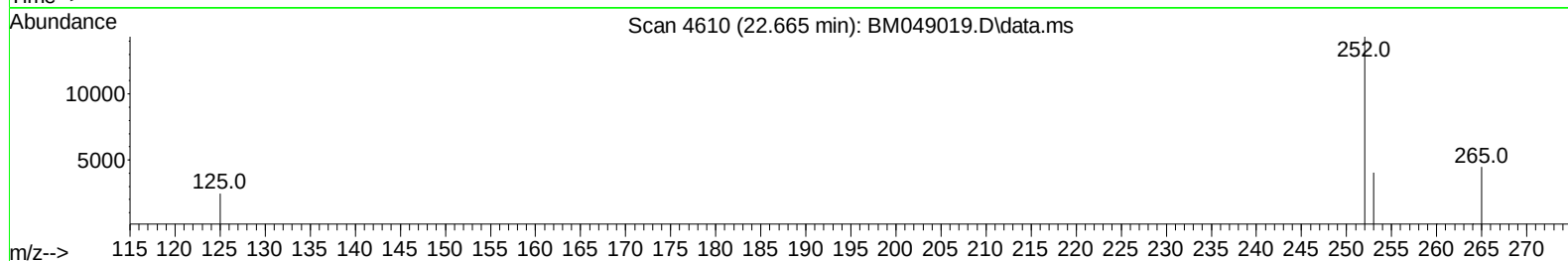
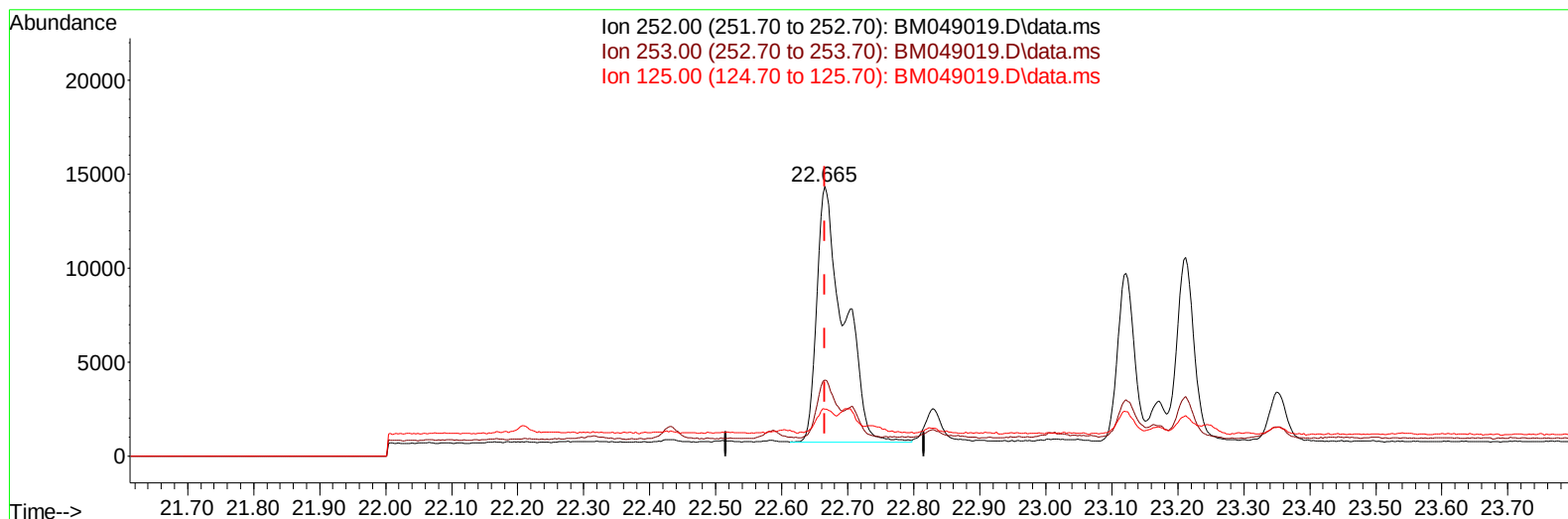
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049019.D
Acq On : 17 Dec 2024 13:27
Operator : RC/JU
Sample : P5155-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28W4

Manual IntegrationsAPPROVED

Quant Time: Dec 17 14:13:57 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049019.D\data.ms

(24) Benzo(b)fluoranthene

22.665min (-0.000) 0.64 ng/u1

response 38993

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.50	28.24
125.00	18.30	17.27
0.00	0.00	0.00

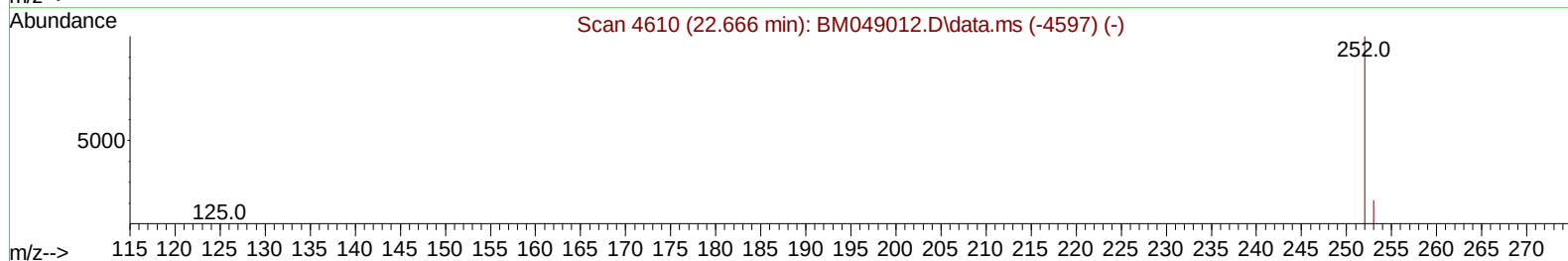
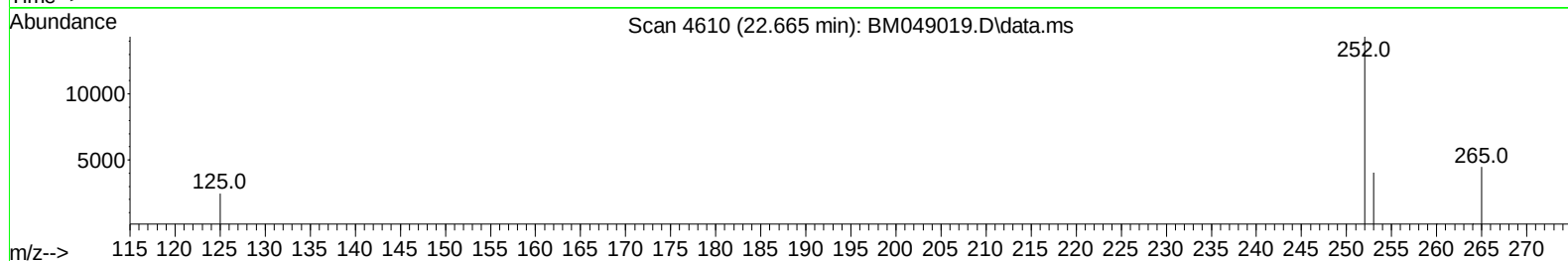
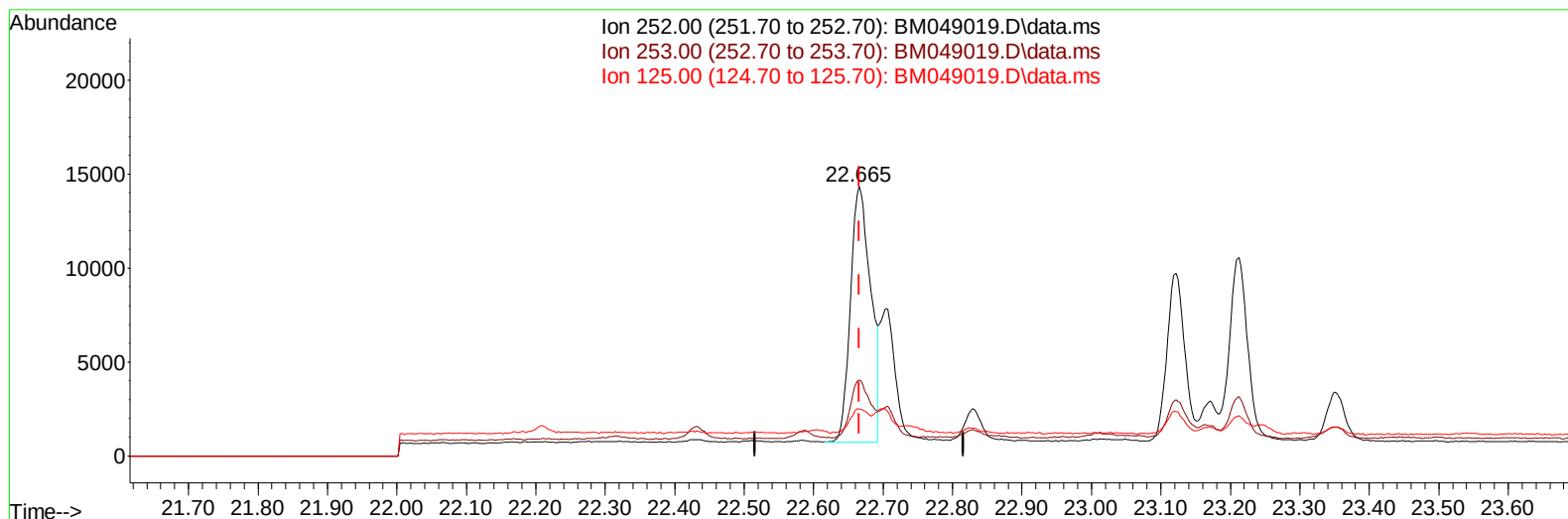
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049019.D
Acq On : 17 Dec 2024 13:27
Operator : RC/JU
Sample : P5155-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28W4

Manual IntegrationsAPPROVED

Quant Time: Dec 17 14:13:57 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: BM049019.D\data.ms

(24) Benzo(b)fluoranthene

22.665min (-0.000) 0.45 ng/ul m

response 27515

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.50	28.24
125.00	18.30	17.27
0.00	0.00	0.00

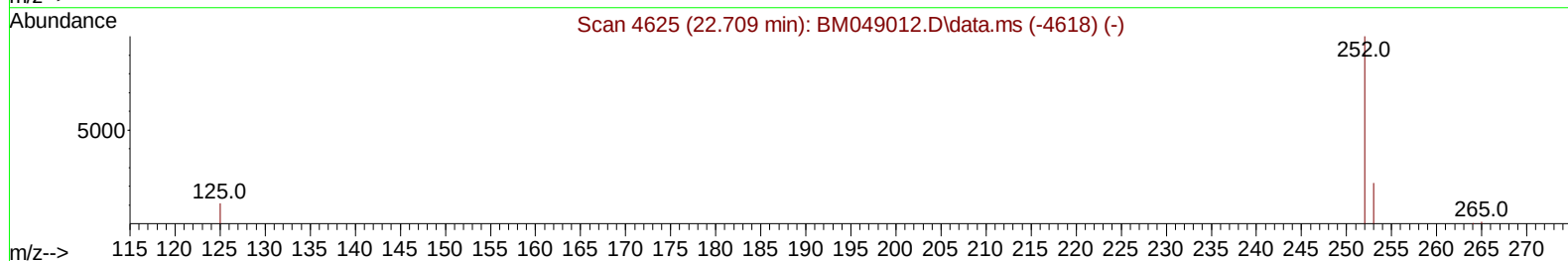
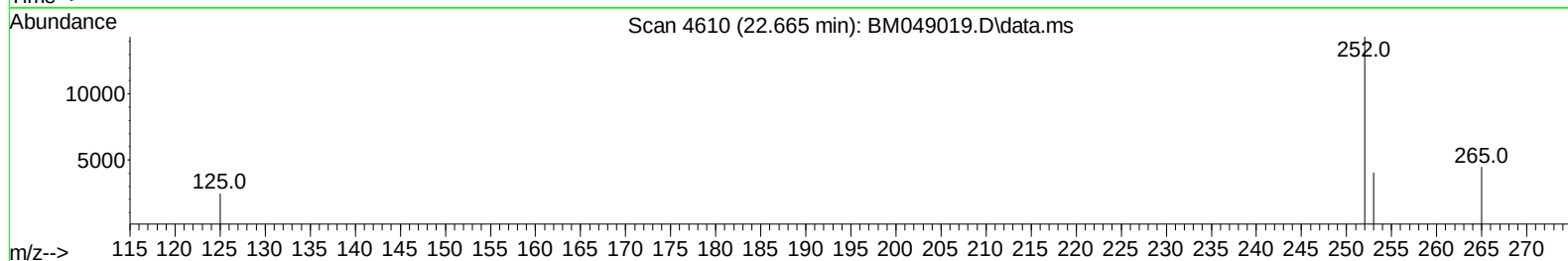
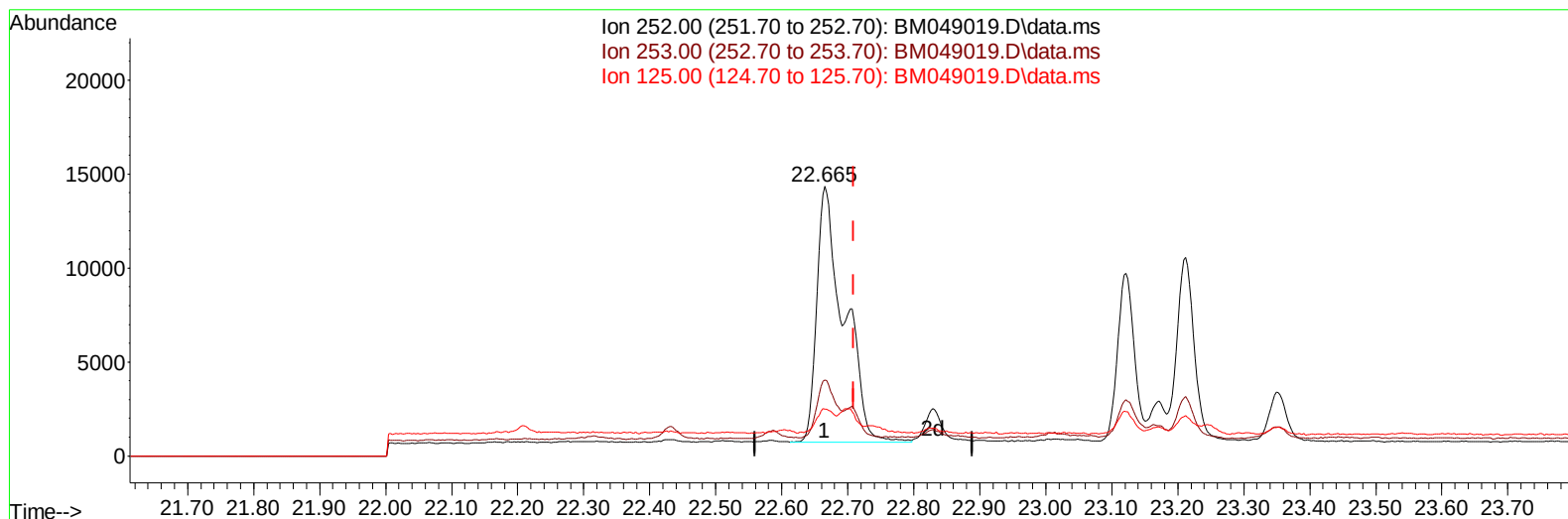
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049019.D
Acq On : 17 Dec 2024 13:27
Operator : RC/JU
Sample : P5155-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28W4

Manual IntegrationsAPPROVED

Quant Time: Dec 17 14:13:57 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: BM049019.D\data.ms

(25) Benzo(k)fluoranthene

22.665min (-0.044) 0.56 ng/u1

response 38993

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.60	28.24
125.00	21.60	17.27#
0.00	0.00	0.00

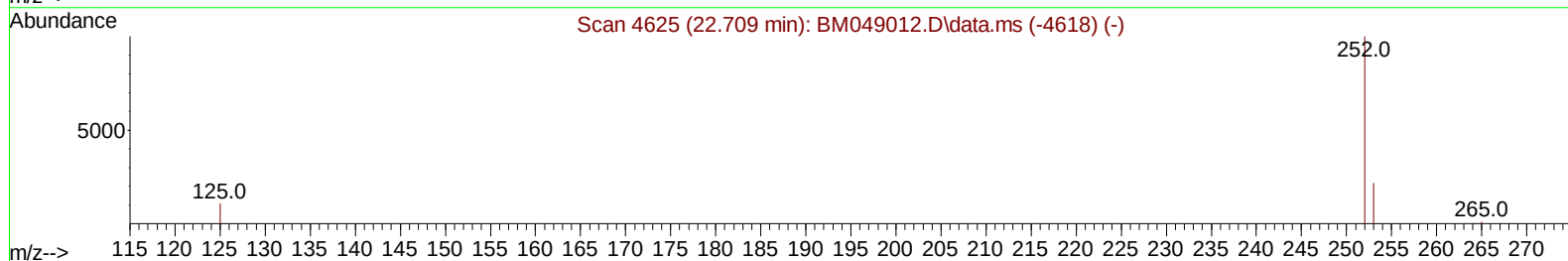
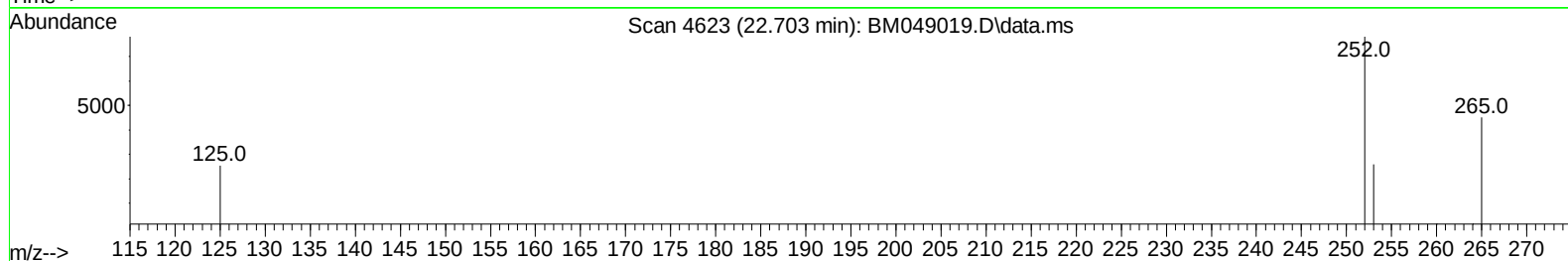
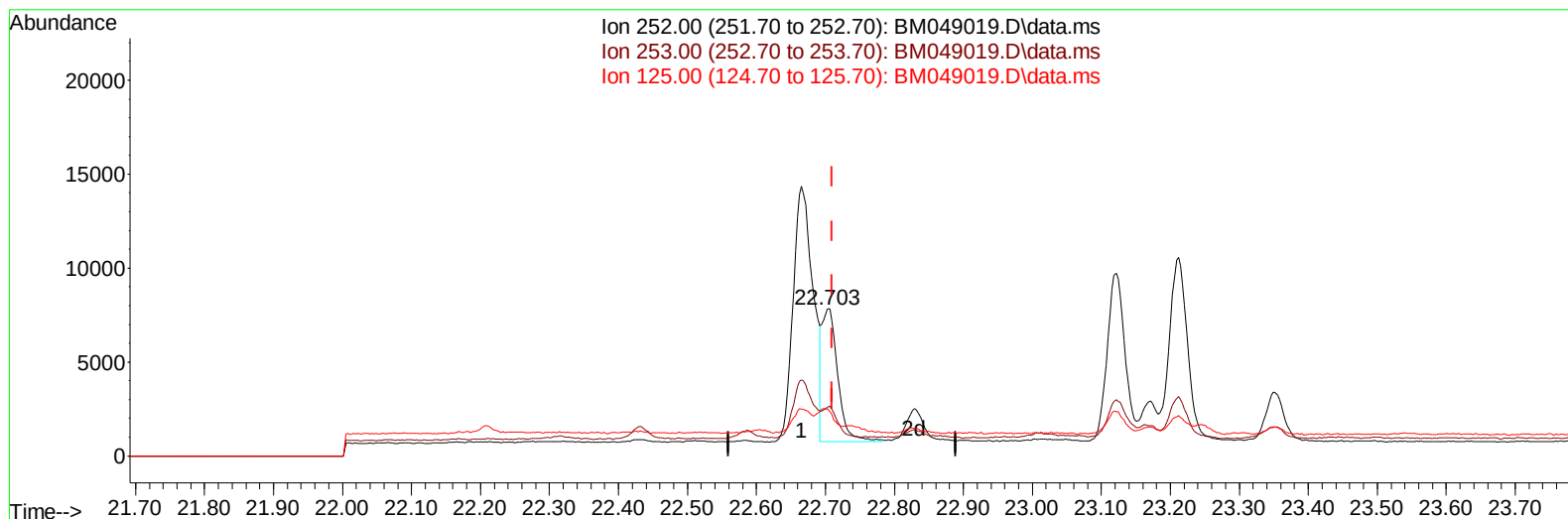
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049019.D
Acq On : 17 Dec 2024 13:27
Operator : RC/JU
Sample : P5155-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28W4

Manual IntegrationsAPPROVED

Quant Time: Dec 17 14:13:57 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: BM049019.D\data.ms

(25) Benzo(k)fluoranthene

22.703min (-0.006) 0.16 ng/ul m

response 11298

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.60	33.21#
125.00	21.60	32.34#
0.00	0.00	0.00

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.573	152	9525	0.400	ng/ul	0.00
4) Naphthalene-d8	10.332	136	28924	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.201	164	15425	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.951	188	29935m	0.400	ng/ul	0.00
17) Chrysene-d12	21.146	240	19051m	0.400	ng/ul	0.00
23) Perylene-d12	23.306	264	17525m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.151	96	30538	2.743	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.932	152	7293	0.198	ng/ul	0.00
18) Fluoranthene-d10	18.984	212	11888	0.209	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.381	128	9516	0.128	ng/ul	98
7) 2-Methylnaphthalene	12.003	142	3293	0.073	ng/ul	97
8) 1-Methylnaphthalene	12.229	142	1885	0.041	ng/ul	100
10) Acenaphthylene	13.919	152	1725	0.026	ng/ul#	80
15) Phenanthrene	16.989	178	16873m	0.206	ng/ul	
16) Anthracene	17.082	178	3184m	0.044	ng/ul	
19) Fluoranthene	19.012	202	28268	0.358	ng/ul	96
20) Pyrene	19.379	202	27445	0.322	ng/ul	96
21) Benzo(a)anthracene	21.131	228	14246	0.213	ng/ul	96
22) Chrysene	21.184	228	19198	0.253	ng/ul	97
24) Benzo(b)fluoranthene	22.665	252	27515m	0.454	ng/ul	
25) Benzo(k)fluoranthene	22.703	252	11298m	0.161	ng/ul	
26) Benzo(a)pyrene	23.212	252	17879	0.319	ng/ul	94
27) Indeno(1,2,3-cd)pyrene	25.447	276	16571	0.211	ng/ul#	83
28) Dibenzo(a,h)anthracene	25.460	278	3582	0.059	ng/ul#	71
29) Benzo(g,h,i)perylene	26.098	276	18256	0.288	ng/ul	97

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

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