

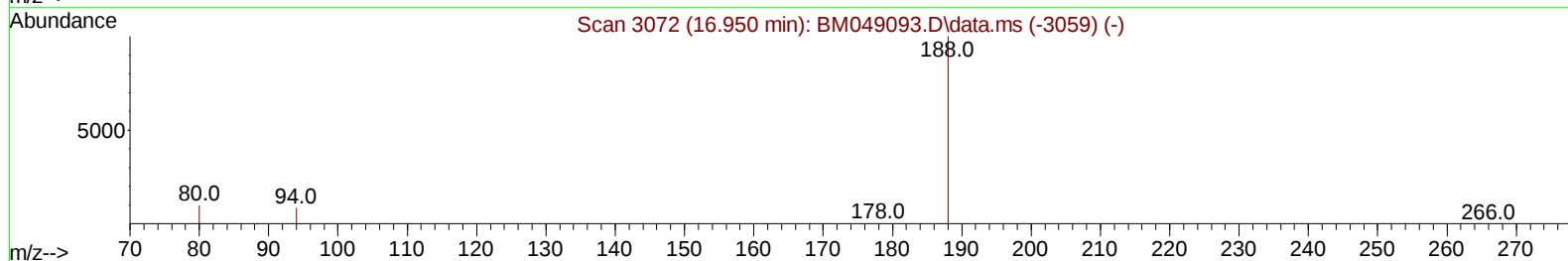
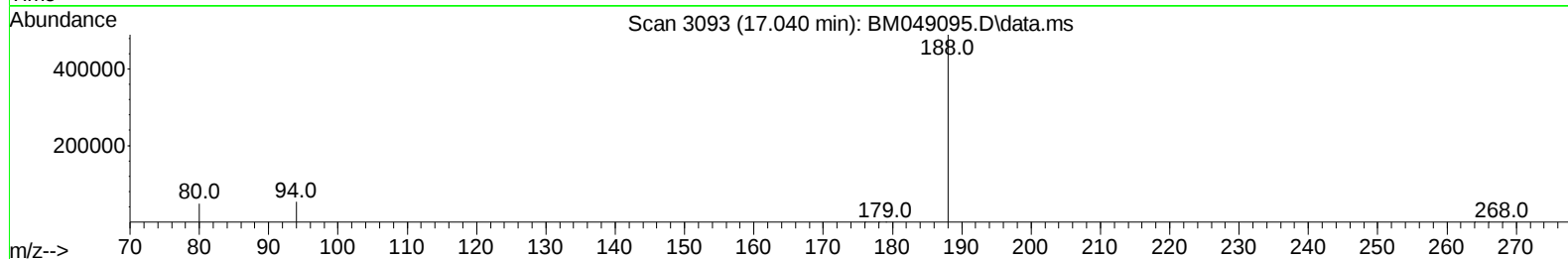
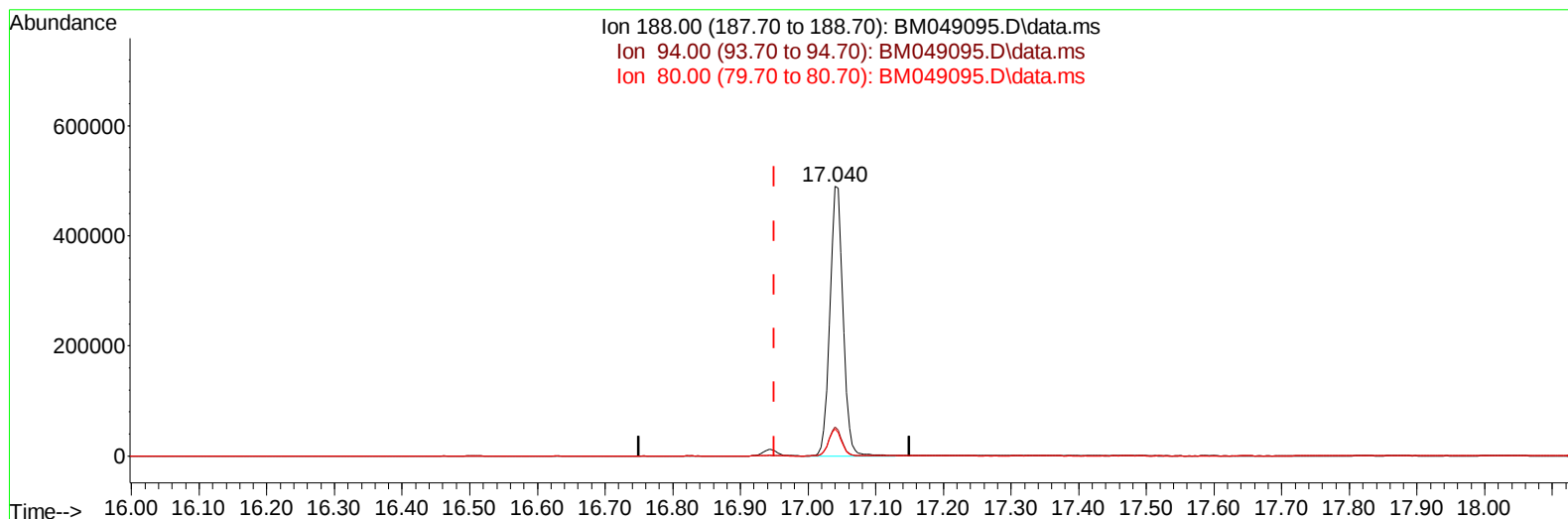
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049095.D
Acq On : 20 Dec 2024 11:27
Operator : RC/JU
Sample : P5265-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y7

Manual IntegrationsAPPROVED

Quant Time: Dec 20 11:55:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

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



TIC: BM049095.D\data.ms

(13) Phenanthrene-d10 (I)

17.040min (+ 0.090) 0.40 ng/u1

response 660002

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	10.71
80.00	10.70	9.99
0.00	0.00	0.00

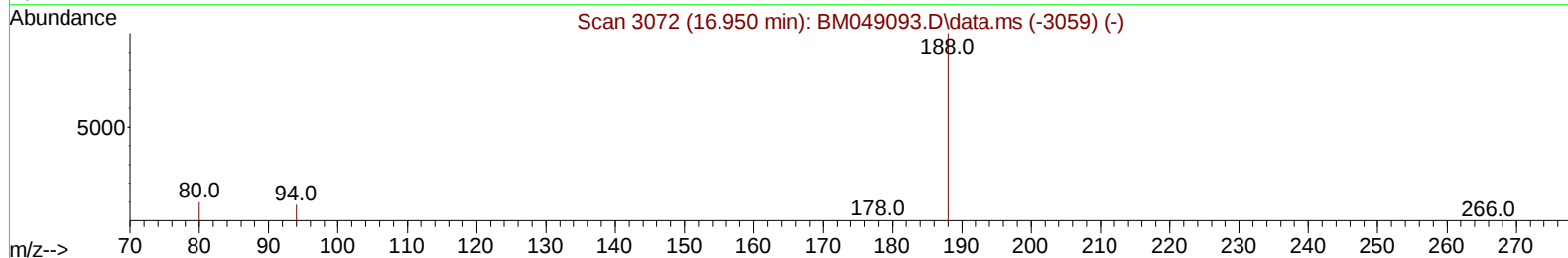
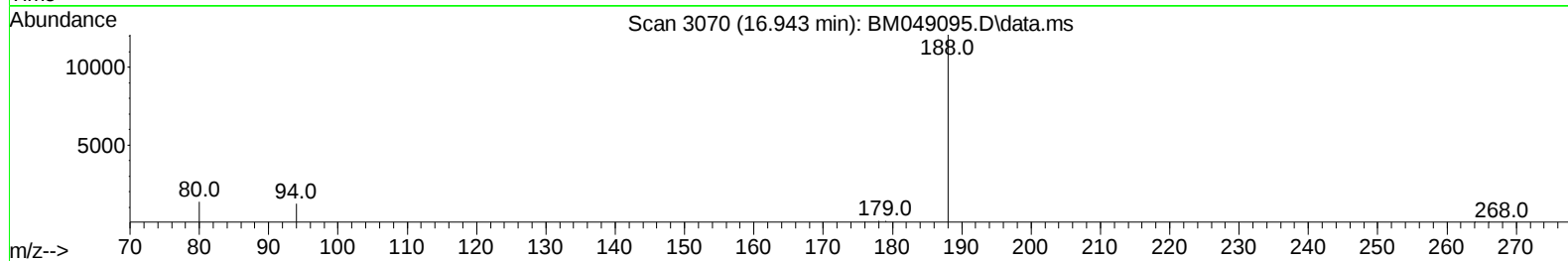
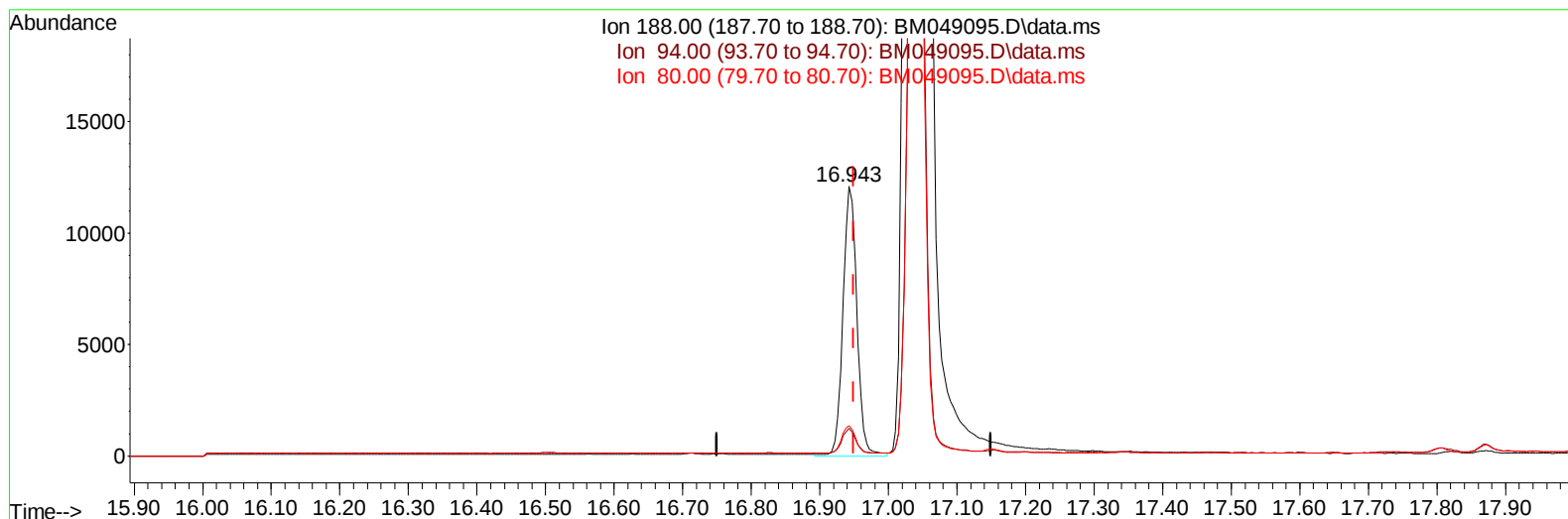
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049095.D
Acq On : 20 Dec 2024 11:27
Operator : RC/JU
Sample : P5265-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y7

Manual IntegrationsAPPROVED

Quant Time: Dec 20 11:55:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

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



TIC: BM049095.D\data.ms

(13) Phenanthrene-d10 (I)

16.943min (-0.007) 0.40 ng/ul m

response 16994

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	10.29
80.00	10.70	11.23
0.00	0.00	0.00

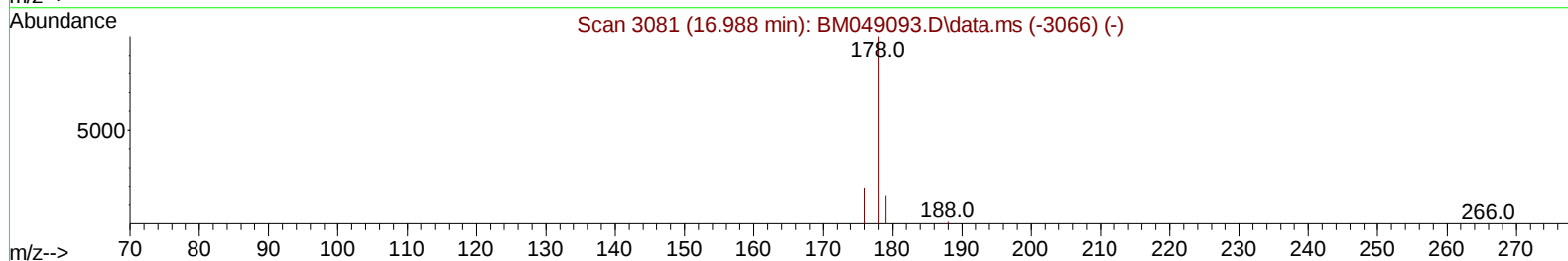
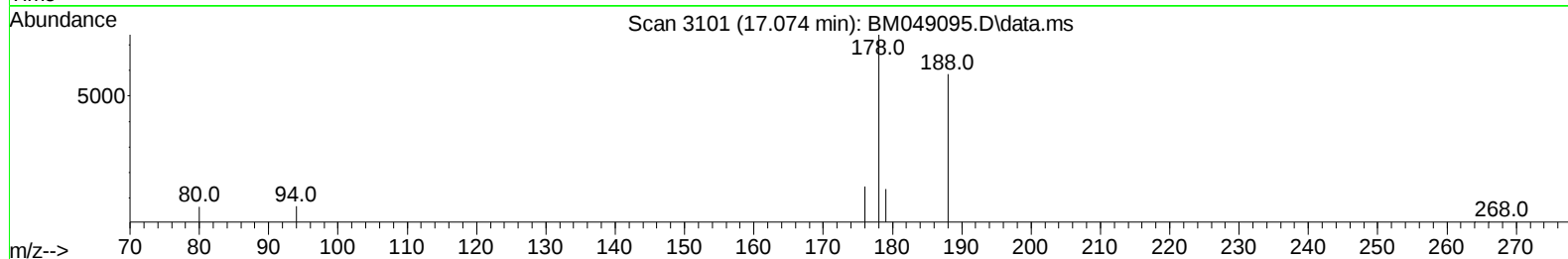
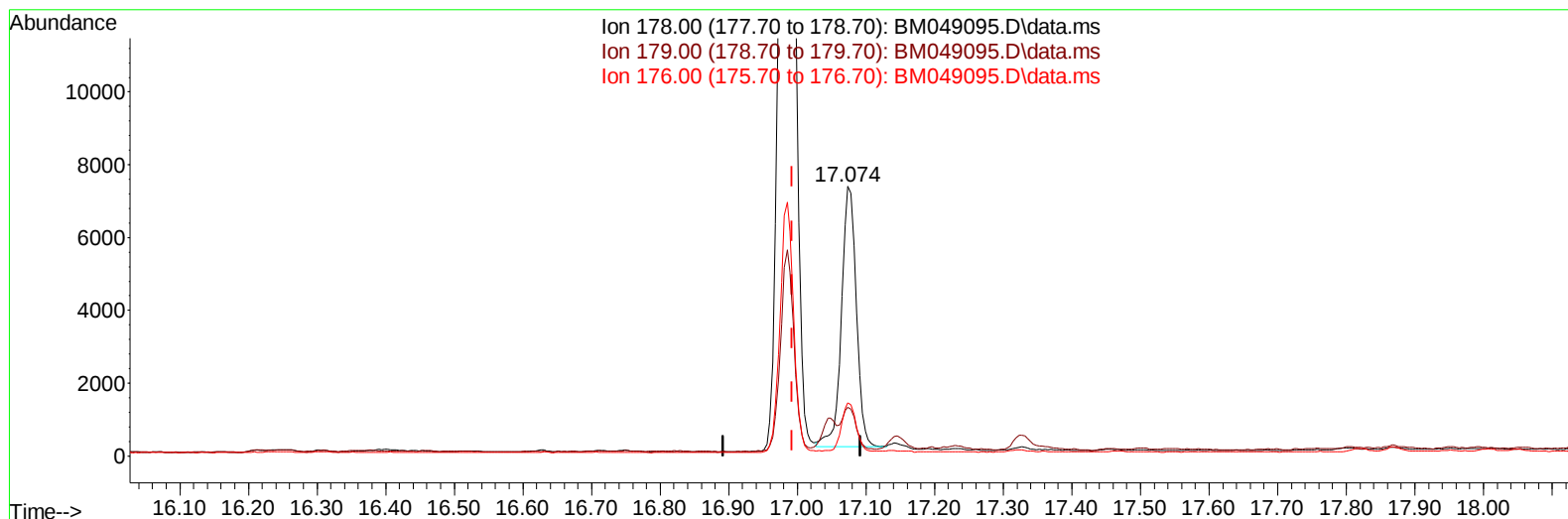
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049095.D
Acq On : 20 Dec 2024 11:27
Operator : RC/JU
Sample : P5265-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y7

Manual IntegrationsAPPROVED

Quant Time: Dec 20 11:55:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

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



TIC: BM049095.D\data.ms

(15) Phenanthrene

17.074min (+ 0.082) 0.24 ng/u1

response 10685

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	18.14
176.00	20.20	19.60
0.00	0.00	0.00

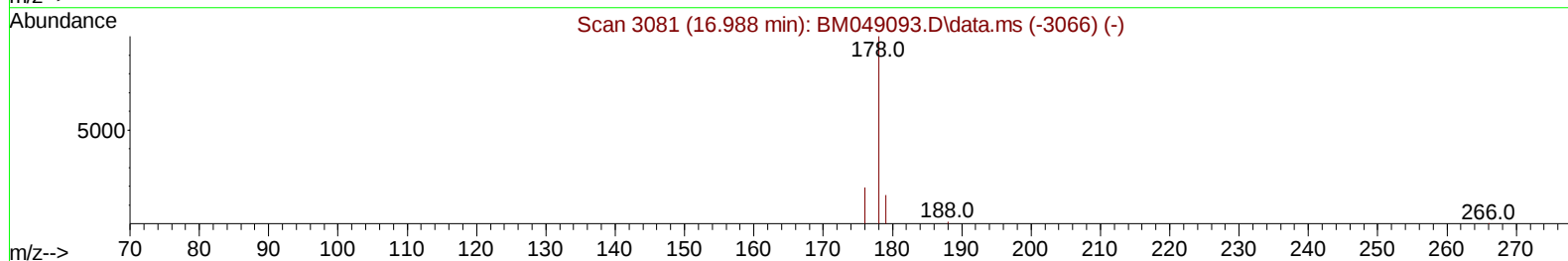
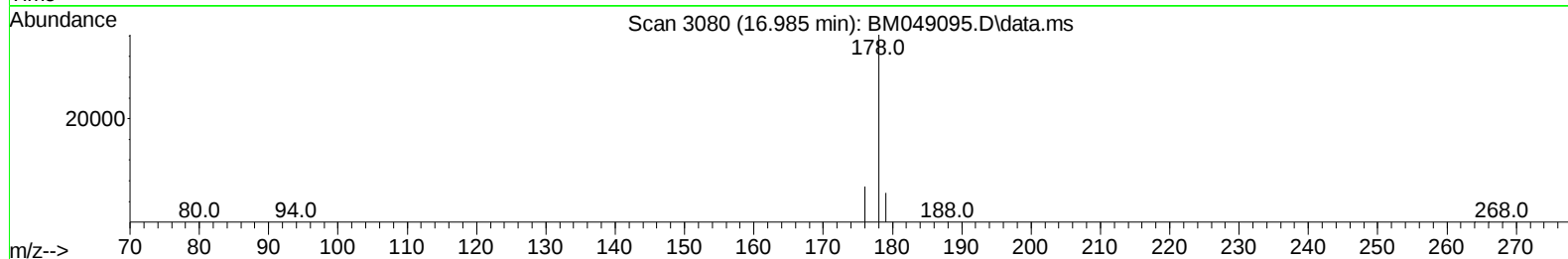
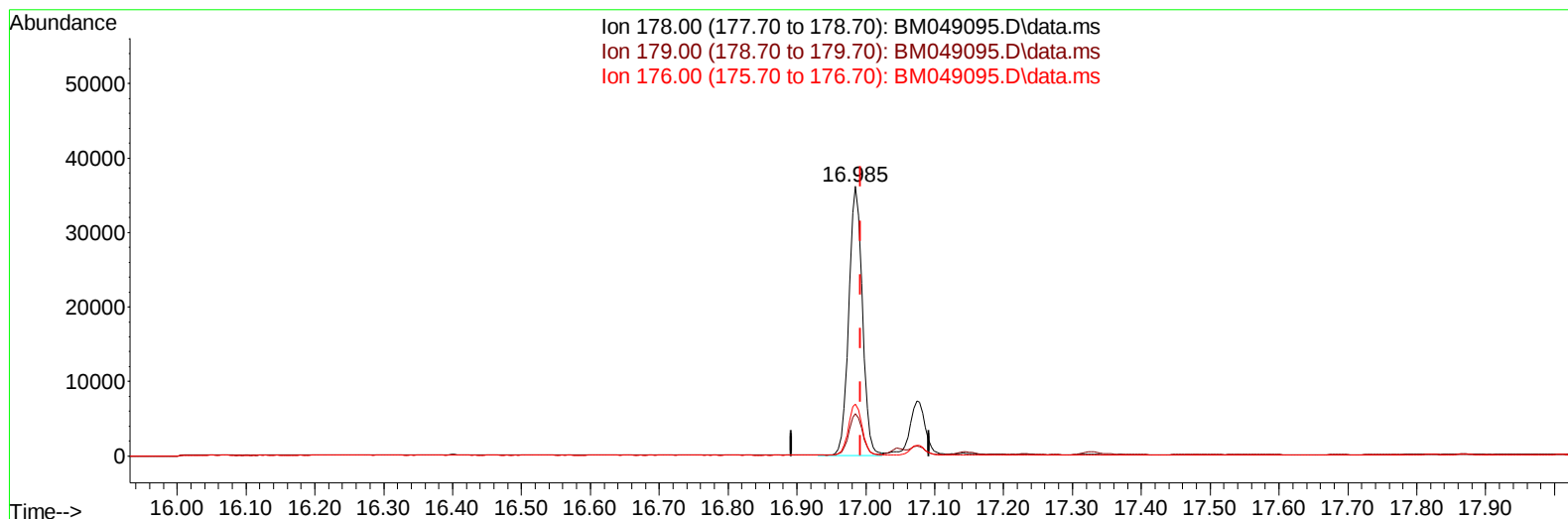
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
 Data File : BM049095.D
 Acq On : 20 Dec 2024 11:27
 Operator : RC/JU
 Sample : P5265-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28Y7

Manual IntegrationsAPPROVED

Quant Time: Dec 20 11:55:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 18 15:33:13 2024
 Response via : Initial Calibration

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



TIC: BM049095.D\data.ms

(15) Phenanthrene

16.985min (-0.007) 1.11 ng/ul m

response 49148

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	15.64
176.00	20.20	19.25
0.00	0.00	0.00

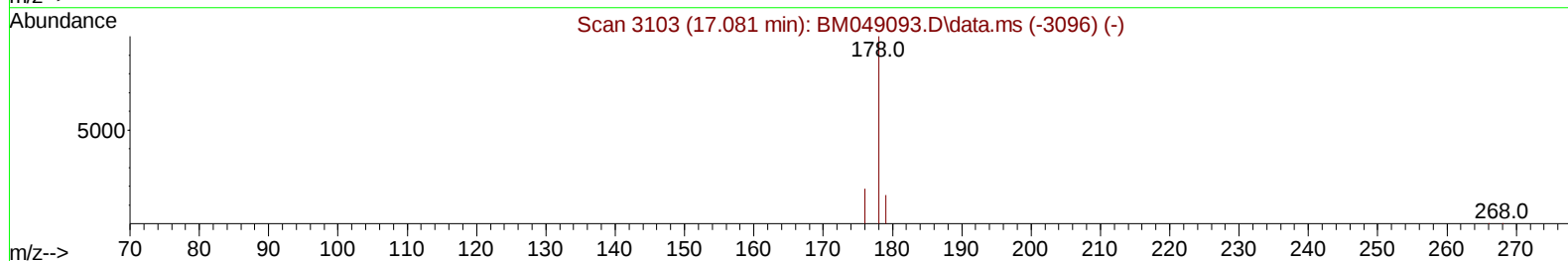
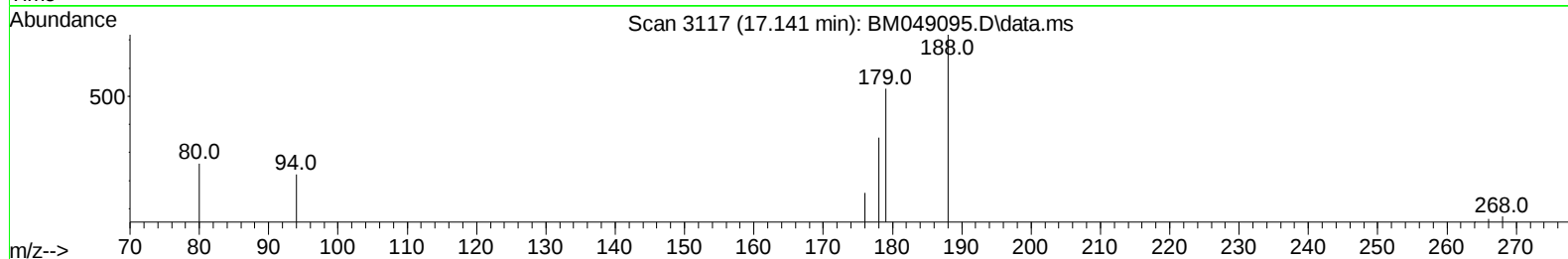
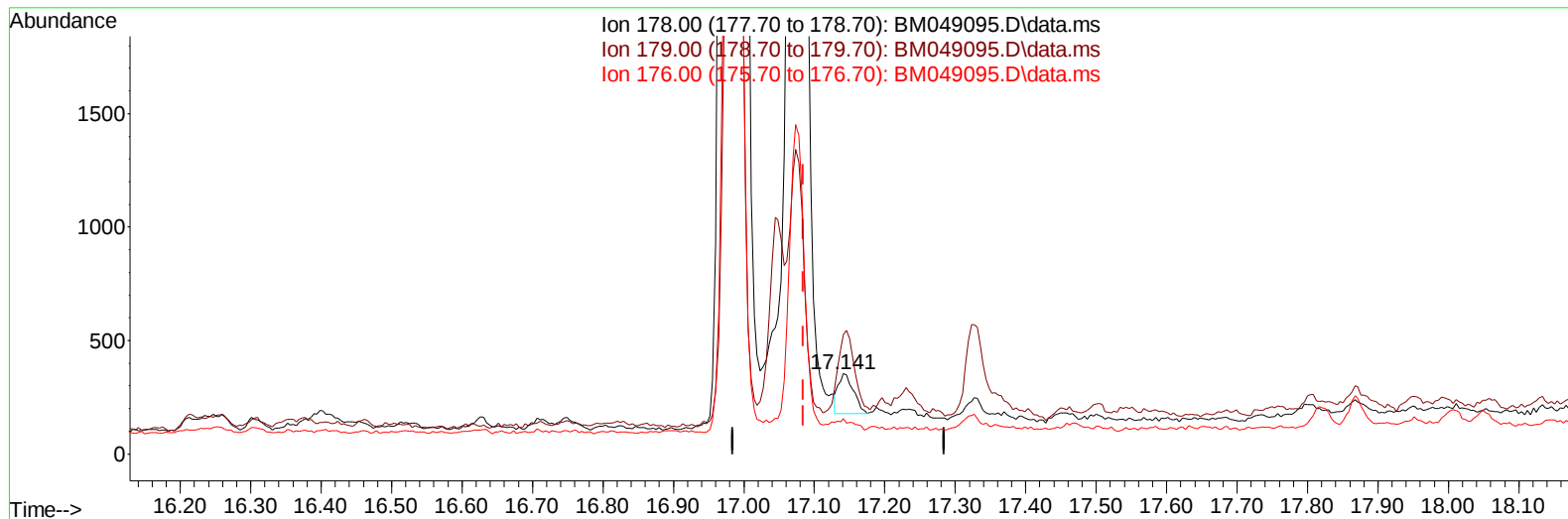
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049095.D
Acq On : 20 Dec 2024 11:27
Operator : RC/JU
Sample : P5265-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y7

Manual IntegrationsAPPROVED

Quant Time: Dec 20 11:55:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

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



TIC: BM049095.D\data.ms

(16) Anthracene

17.141min (+ 0.056) 0.01 ng/u1

response 265

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	149.01#
176.00	19.10	43.91#
0.00	0.00	0.00

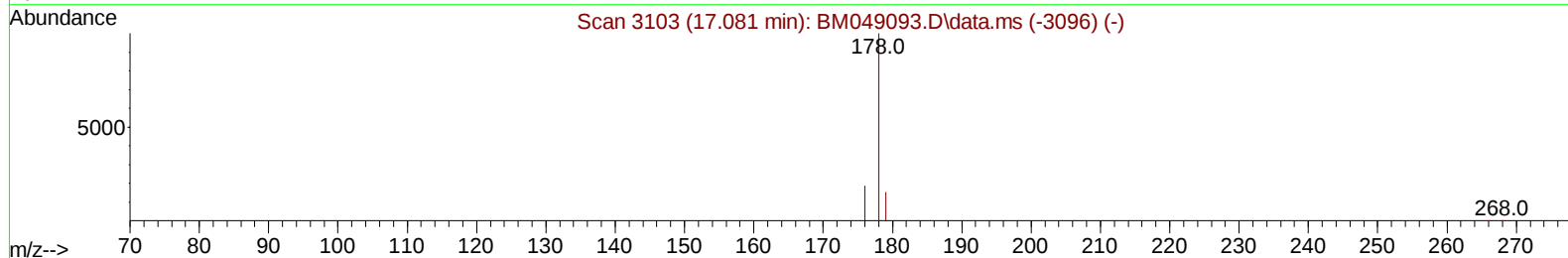
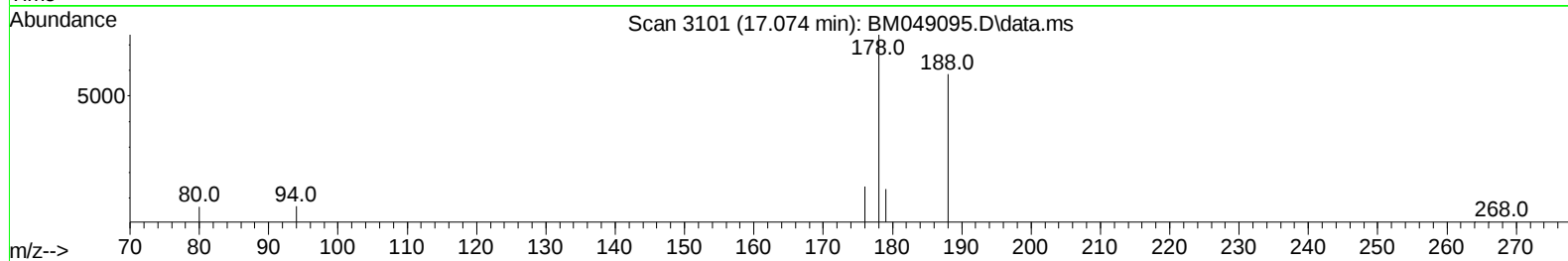
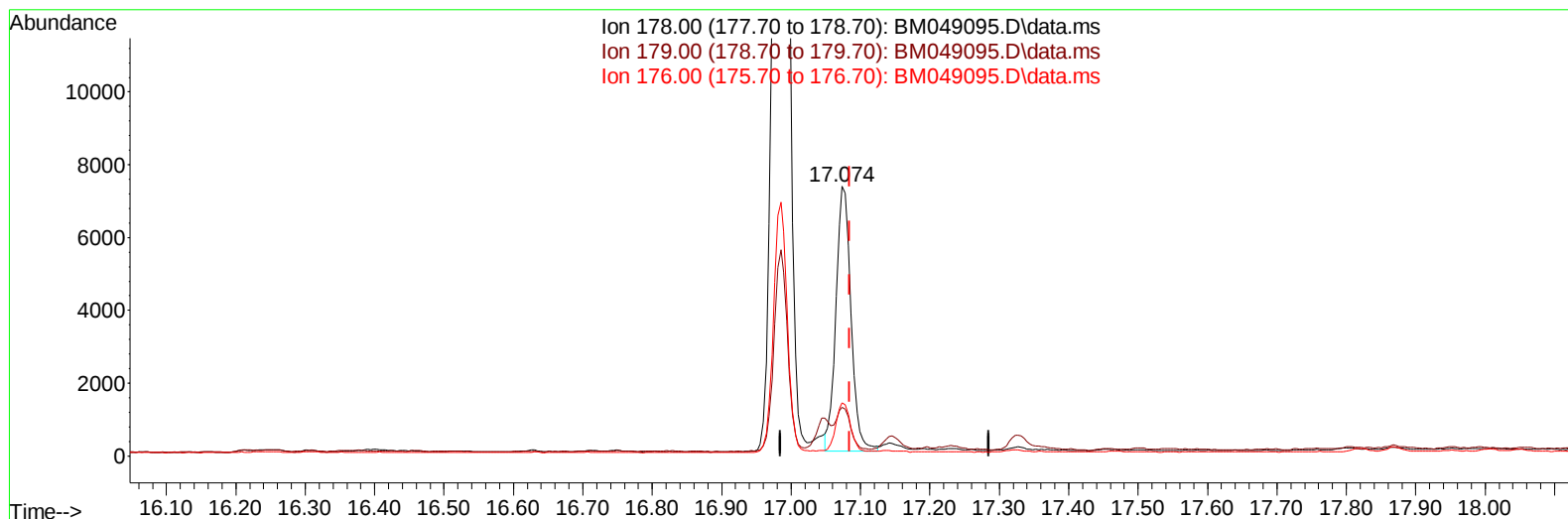
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049095.D
Acq On : 20 Dec 2024 11:27
Operator : RC/JU
Sample : P5265-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y7

Manual IntegrationsAPPROVED

Quant Time: Dec 20 11:55:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

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



TIC: BM049095.D\data.ms

(16) Anthracene

17.074min (-0.011) 0.27 ng/ul m

response 10905

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	18.14
176.00	19.10	19.60
0.00	0.00	0.00

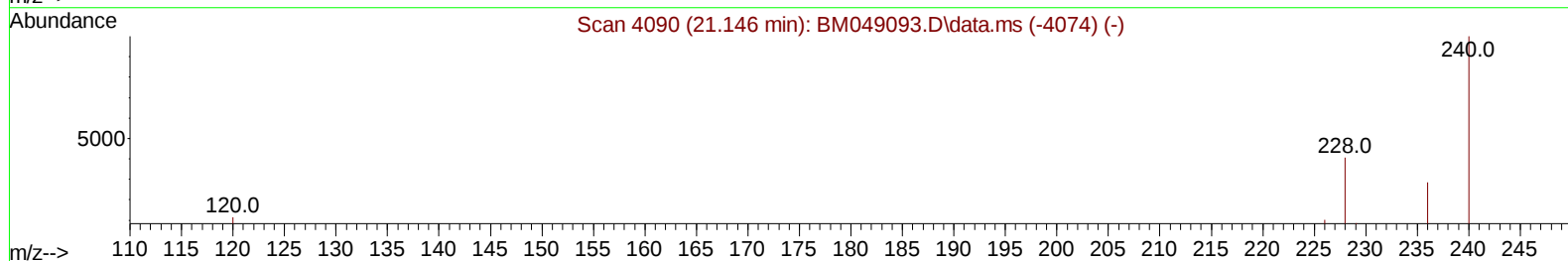
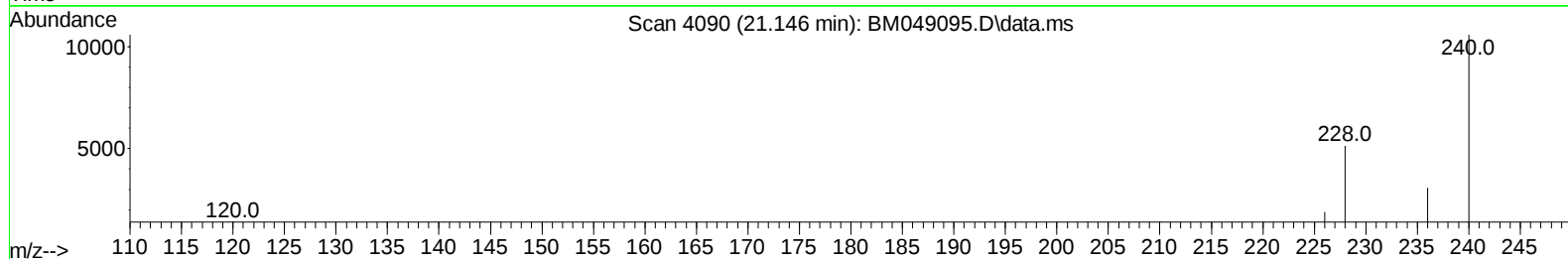
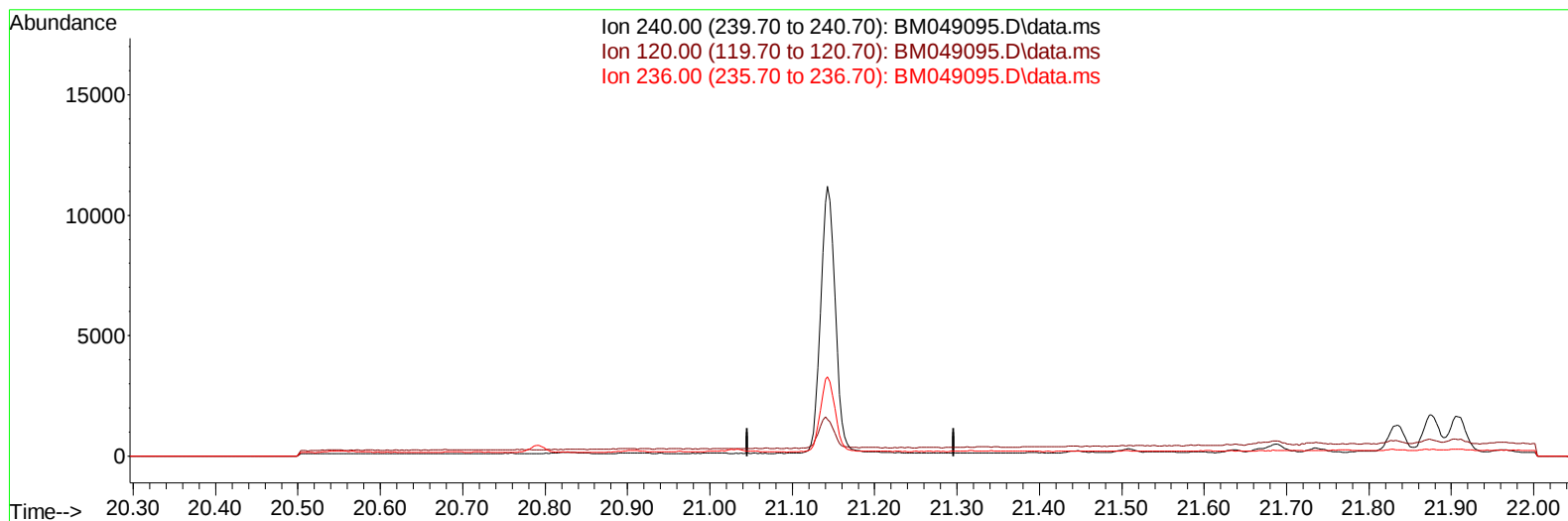
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049095.D
Acq On : 20 Dec 2024 11:27
Operator : RC/JU
Sample : P5265-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y7

Manual IntegrationsAPPROVED

Quant Time: Dec 20 11:55:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

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



TIC: BM049095.D\data.ms

(17) Chrysene-d12

21.146min (-21.146) 0.00 ng/u1

response 0

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

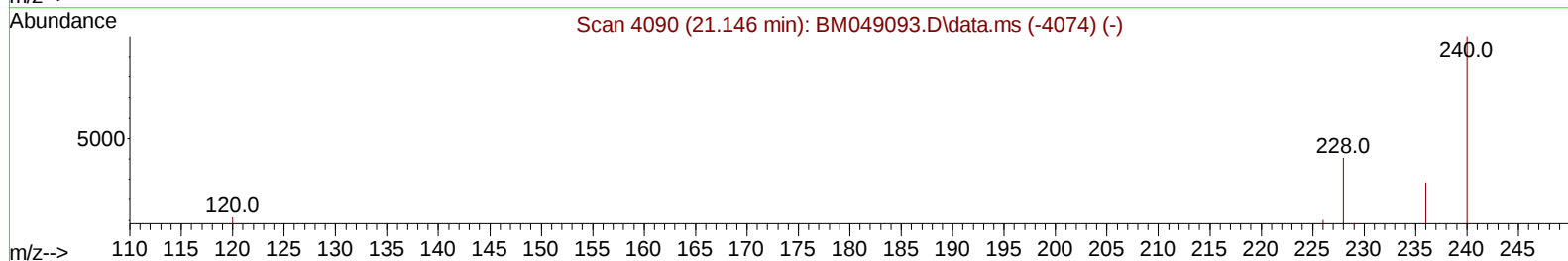
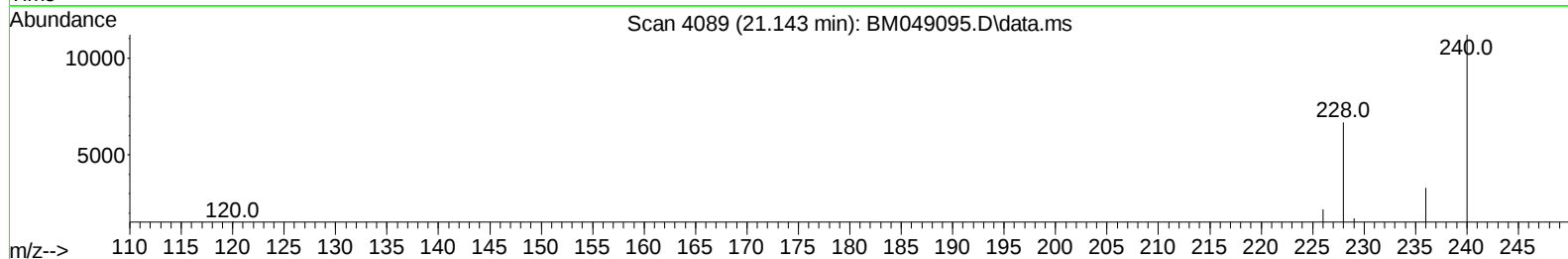
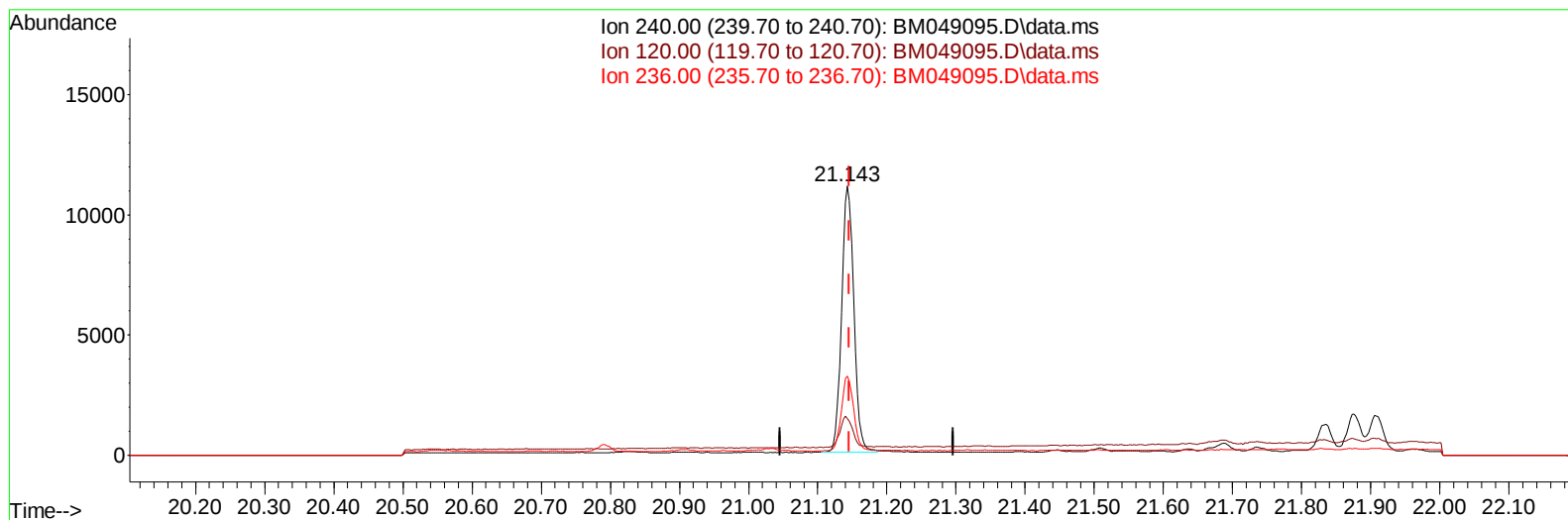
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049095.D
Acq On : 20 Dec 2024 11:27
Operator : RC/JU
Sample : P5265-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y7

Manual IntegrationsAPPROVED

Quant Time: Dec 20 11:55:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

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



TIC: BM049095.D\data.ms

(17) Chrysene-d12

21.143min (-0.003) 0.40 ng/ul m

response 13681

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	14.50	13.66
236.00	29.80	29.39
0.00	0.00	0.00

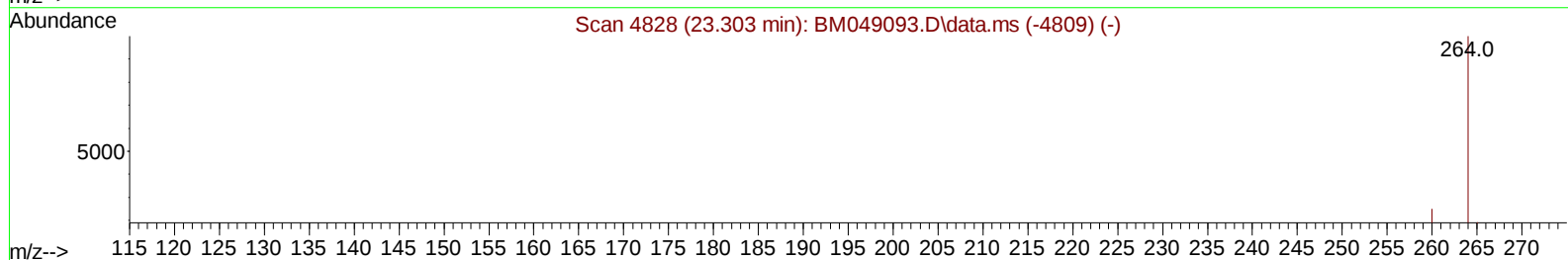
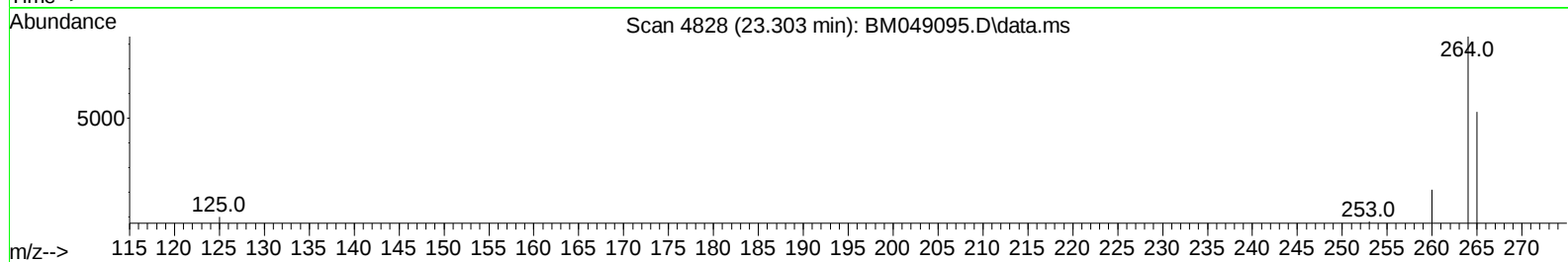
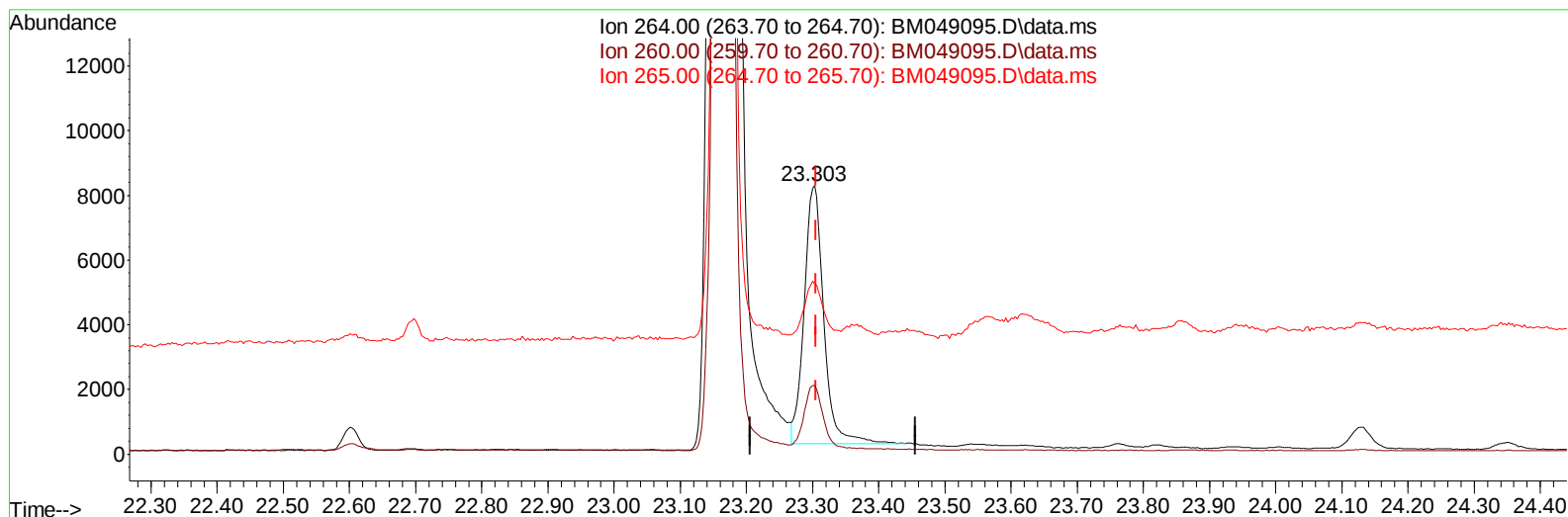
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049095.D
Acq On : 20 Dec 2024 11:27
Operator : RC/JU
Sample : P5265-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y7

Manual IntegrationsAPPROVED

Quant Time: Dec 20 11:55:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Supervised By :mohammad ahmed 12/24/2024



TIC: BM049095.D\data.ms

(23) Perylene-d12 (I)

23.303min (-0.003) 0.40 ng/u1

response 16184

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	25.50
265.00	78.30	63.21
0.00	0.00	0.00

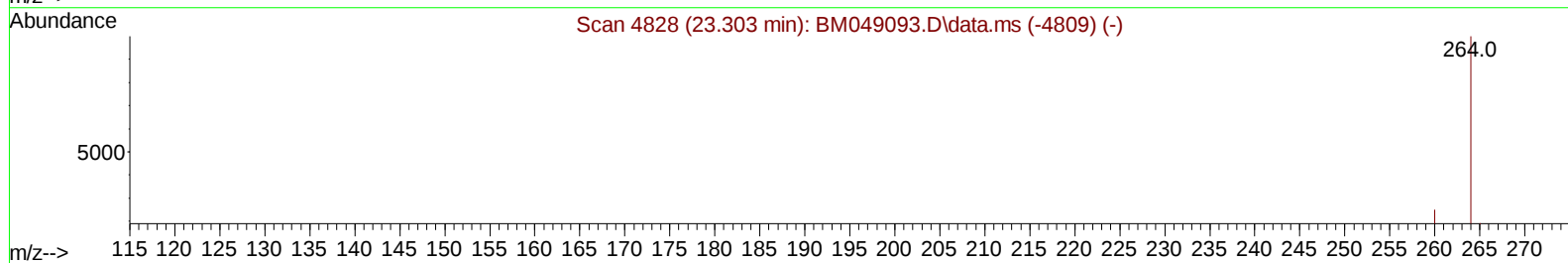
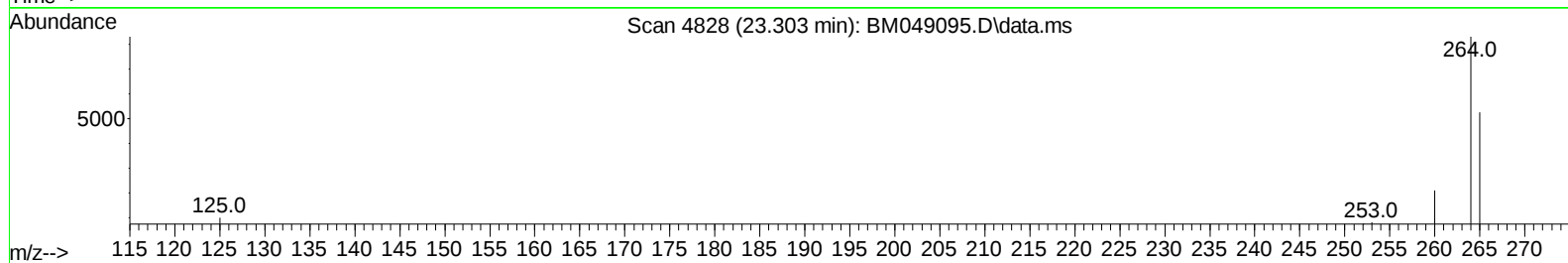
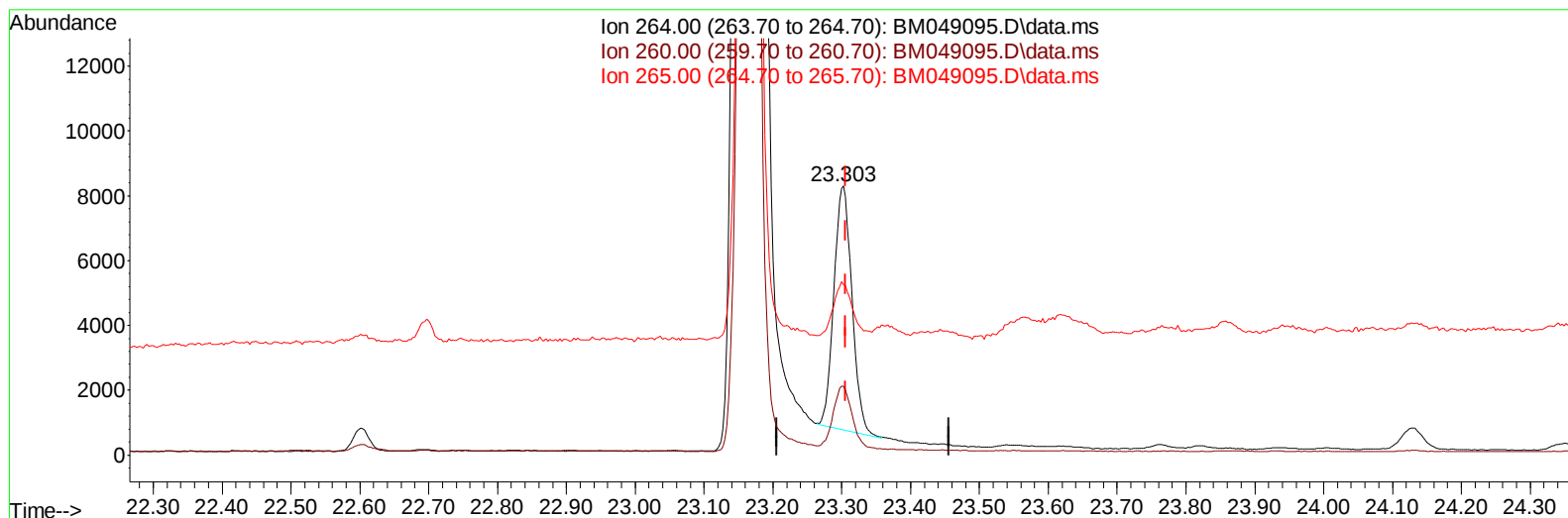
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049095.D
Acq On : 20 Dec 2024 11:27
Operator : RC/JU
Sample : P5265-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y7

Manual IntegrationsAPPROVED

Quant Time: Dec 20 11:55:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

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TIC: BM049095.D\data.ms

(23) Perylene-d12 (I)

23.303min (-0.003) 0.40 ng/ul m

response 13651

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	25.50
265.00	78.30	63.21
0.00	0.00	0.00

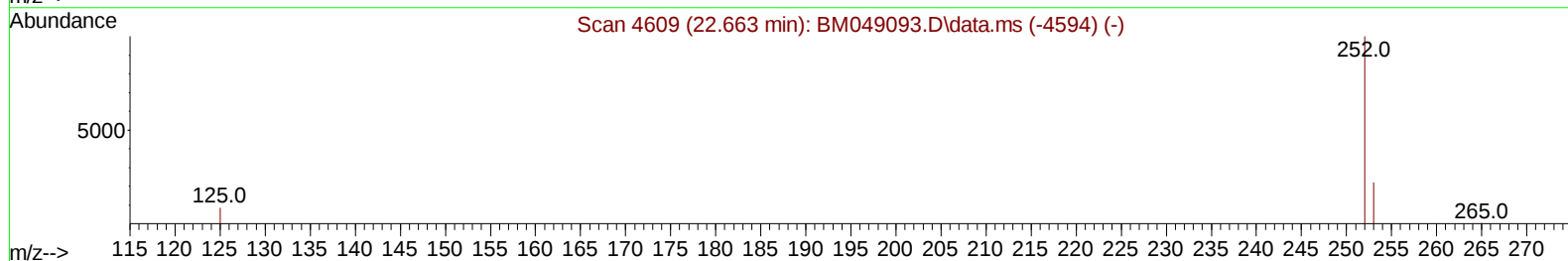
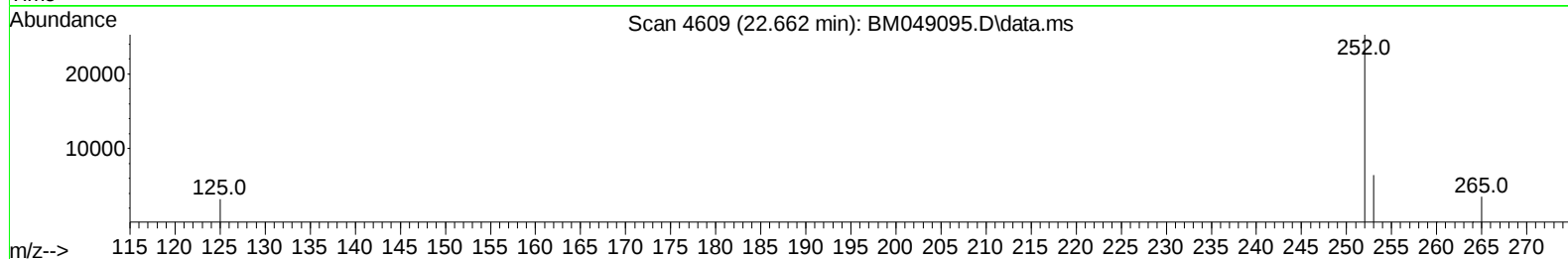
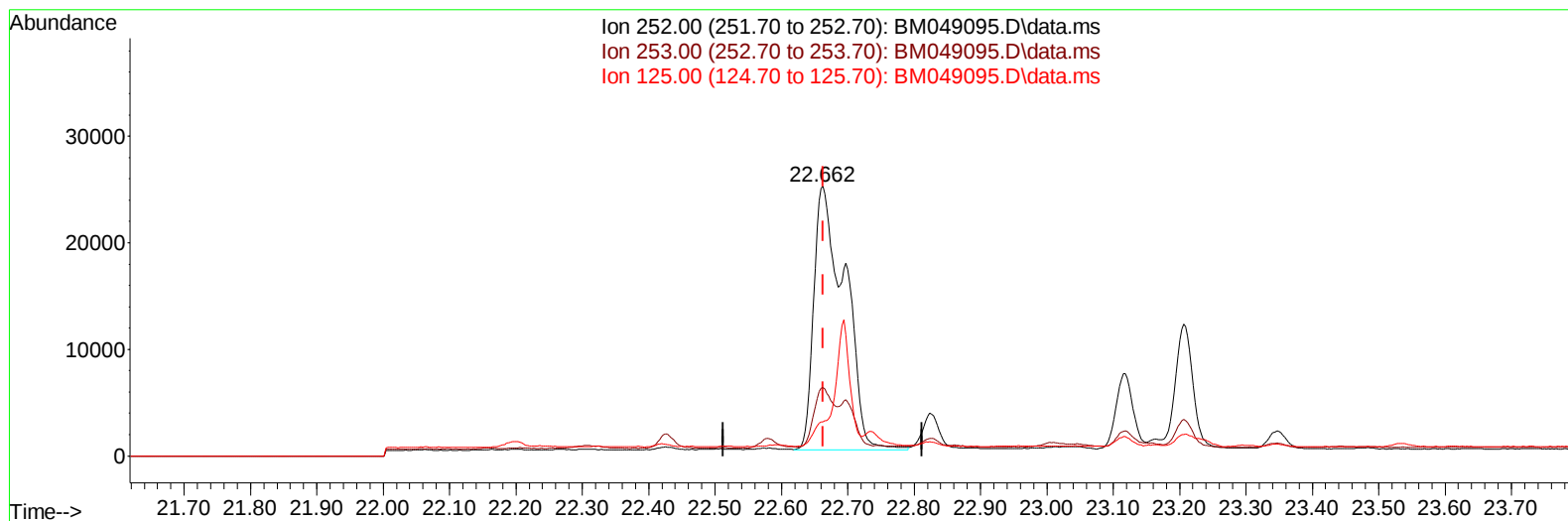
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049095.D
Acq On : 20 Dec 2024 11:27
Operator : RC/JU
Sample : P5265-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y7

Manual IntegrationsAPPROVED

Quant Time: Dec 20 11:55:44 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 :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BM049095.D\data.ms

(24) Benzo(b)fluoranthene

22.662min (-0.000) 1.83 ng/u1

response 79795

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	25.44
125.00	15.40	12.68
0.00	0.00	0.00

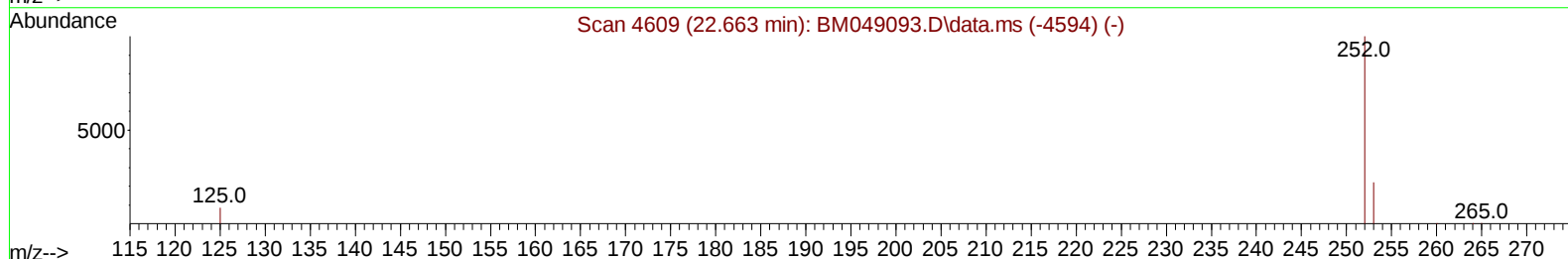
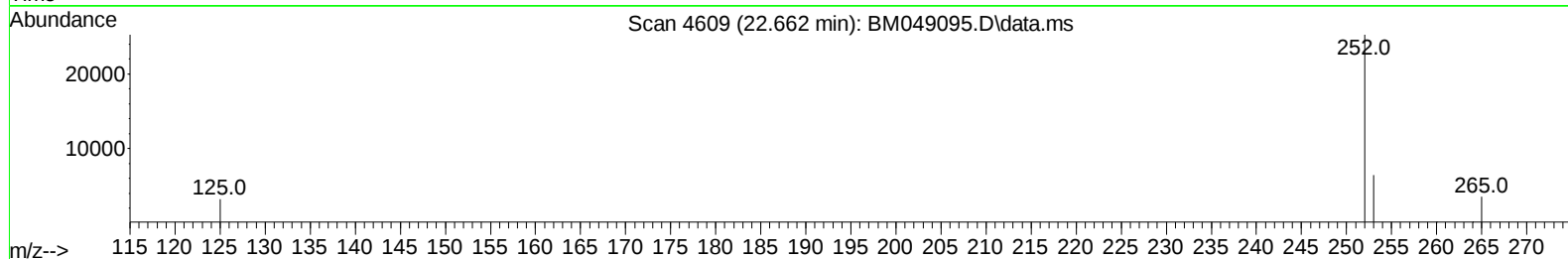
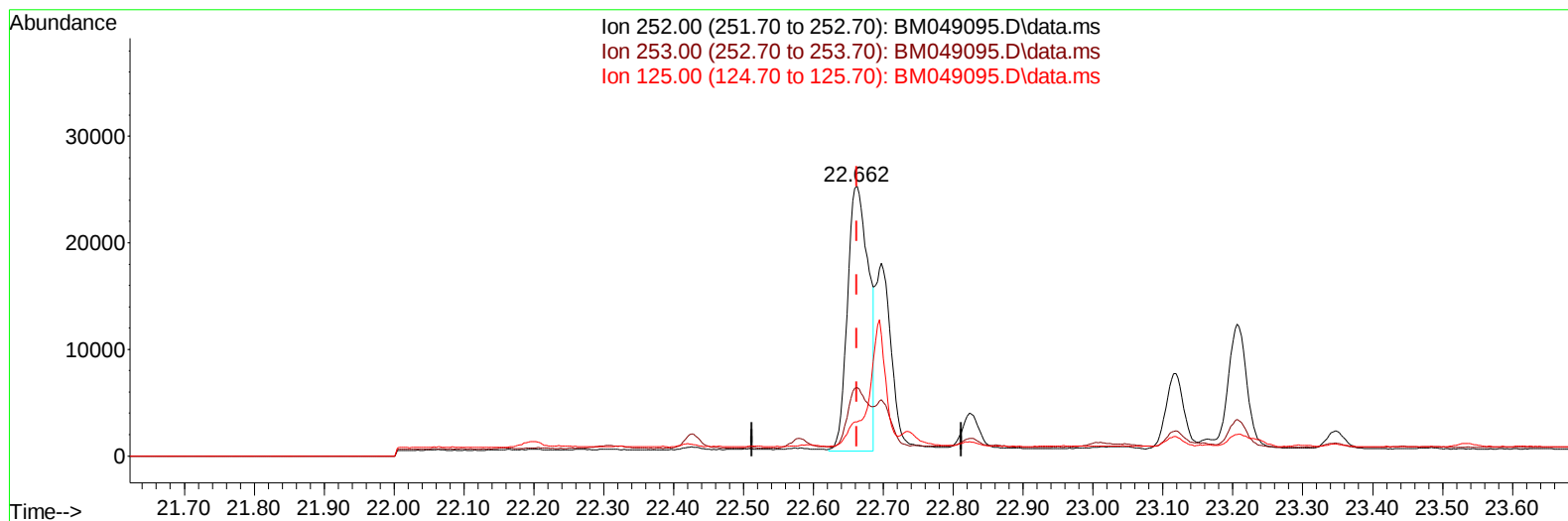
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049095.D
Acq On : 20 Dec 2024 11:27
Operator : RC/JU
Sample : P5265-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y7

Manual IntegrationsAPPROVED

Quant Time: Dec 20 11:55:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

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



TIC: BM049095.D\data.ms

(24) Benzo(b)fluoranthene

22.662min (-0.000) 1.20 ng/u1 m

response 52502

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	25.44
125.00	15.40	12.68
0.00	0.00	0.00

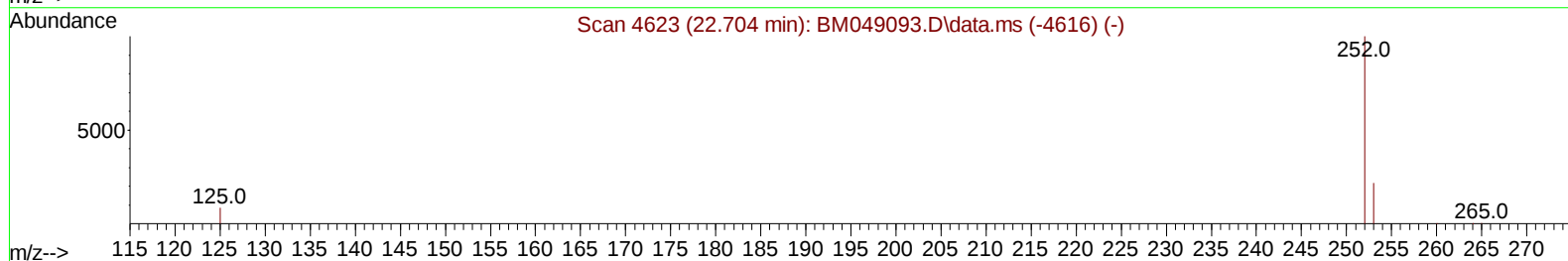
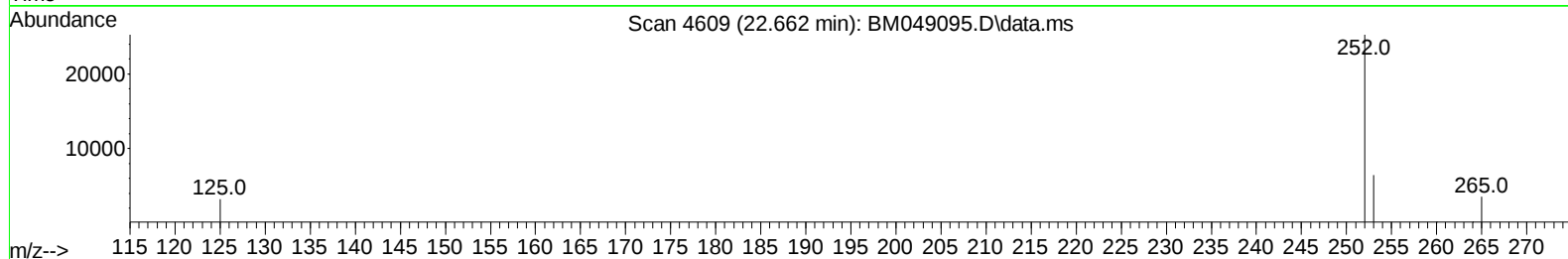
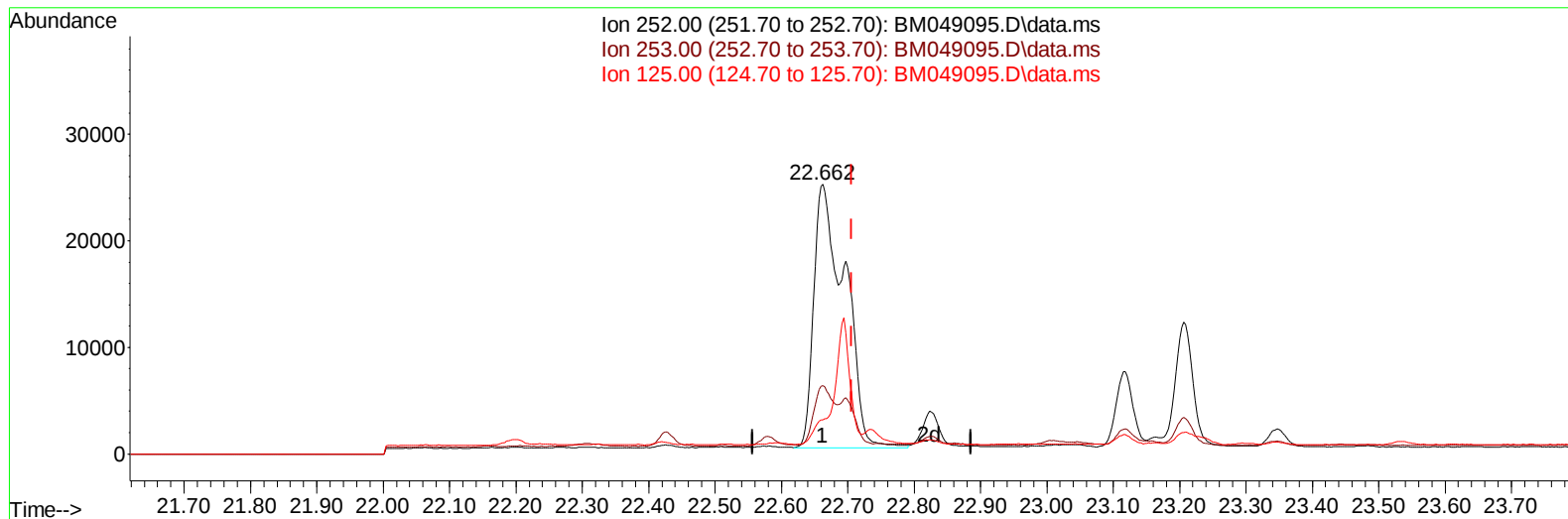
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049095.D
Acq On : 20 Dec 2024 11:27
Operator : RC/JU
Sample : P5265-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y7

Manual IntegrationsAPPROVED

Quant Time: Dec 20 11:55:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

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



TIC: BM049095.D\data.ms

(25) Benzo(k)fluoranthene

22.662min (-0.044) 1.67 ng/u1

response 79795

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	25.44
125.00	15.70	12.68
0.00	0.00	0.00

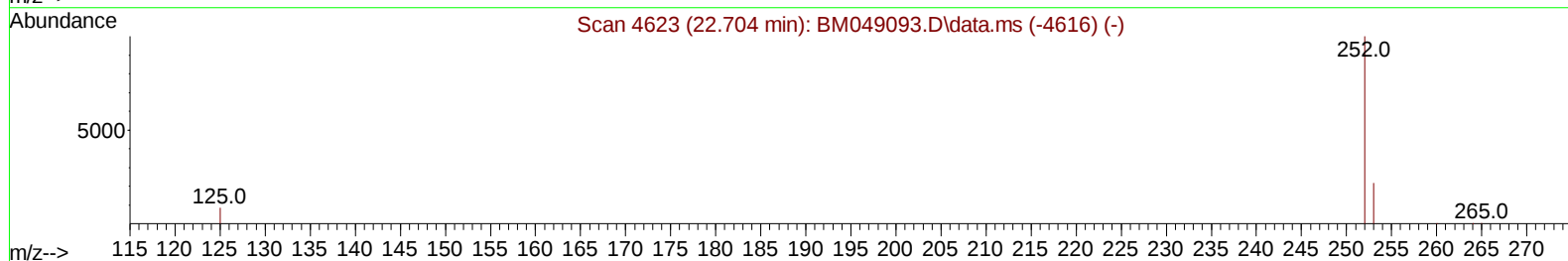
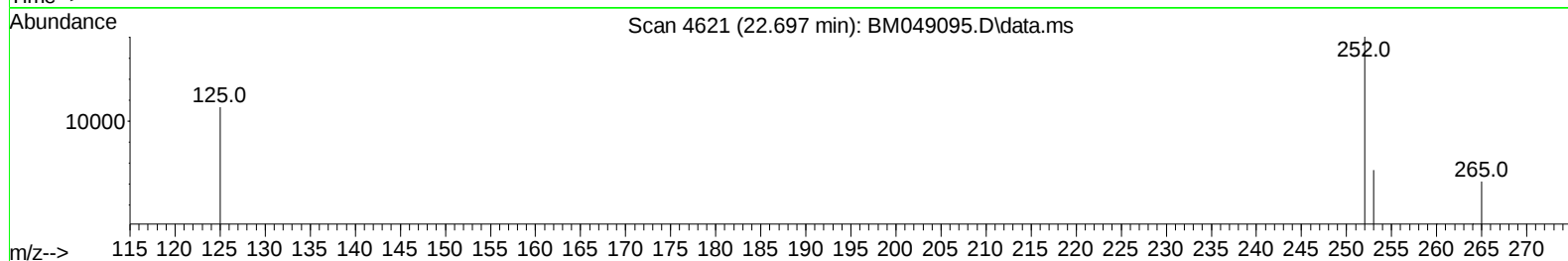
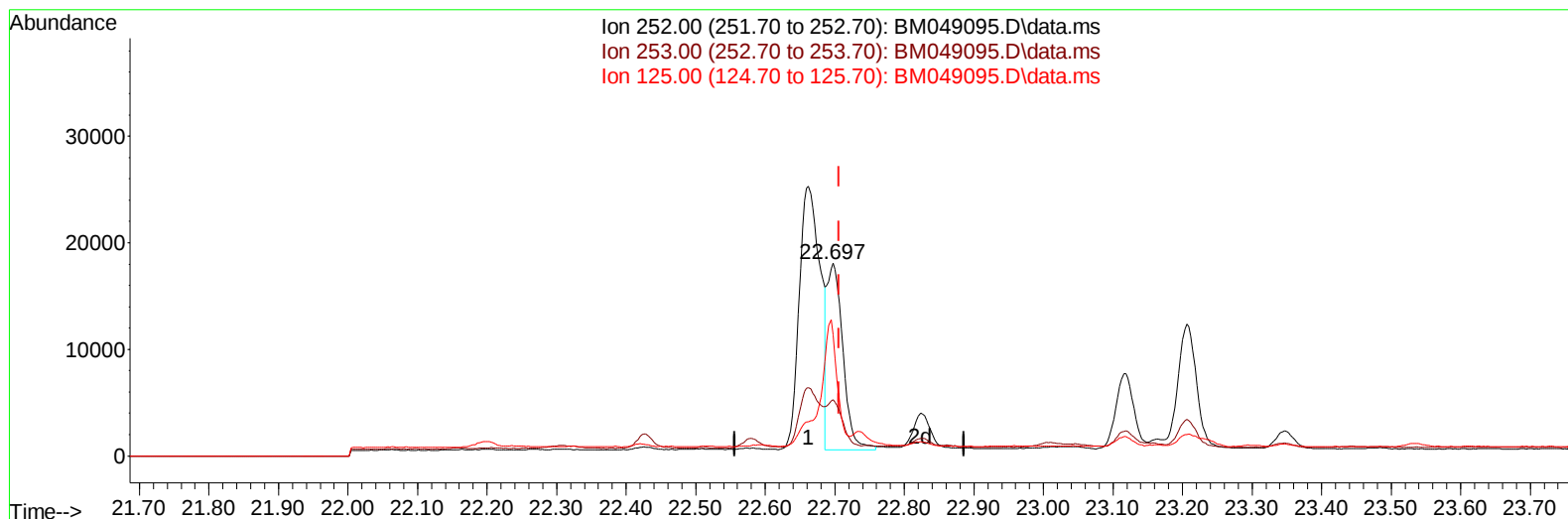
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049095.D
Acq On : 20 Dec 2024 11:27
Operator : RC/JU
Sample : P5265-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Y7

Manual IntegrationsAPPROVED

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

Quant Time: Dec 20 11:55:44 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: BM049095.D\data.ms

(25) Benzo(k)fluoranthene

22.697min (-0.009) 0.58 ng/u1 m

response 27552

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	29.34
125.00	15.70	62.86#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
 Data File : BM049095.D
 Acq On : 20 Dec 2024 11:27
 Operator : RC/JU
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.560	152	4877	0.400	ng/ul	0.00
4) Naphthalene-d8	10.321	136	13983	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.197	164	7604	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.943	188	16994m	0.400	ng/ul	0.00
17) Chrysene-d12	21.143	240	13681m	0.400	ng/ul	0.00
23) Perylene-d12	23.303	264	13651m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.147	96	16499	2.933	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.921	152	3584	0.191	ng/ul	0.00
18) Fluoranthene-d10	18.979	212	7424	0.191	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.370	128	2316	0.066	ng/ul#	91
7) 2-Methylnaphthalene	11.998	142	1580	0.071	ng/ul	100
8) 1-Methylnaphthalene	12.218	142	1151	0.051	ng/ul	96
10) Acenaphthylene	13.910	152	1157	0.037	ng/ul#	72
11) Acenaphthene	14.257	153	3387	0.147	ng/ul	96
12) Fluorene	15.252	166	2720	0.105	ng/ul#	97
15) Phenanthrene	16.985	178	49148m	1.107	ng/ul	
16) Anthracene	17.074	178	10905m	0.268	ng/ul	
19) Fluoranthene	19.007	202	99019	2.002	ng/ul	99
20) Pyrene	19.374	202	70794	1.342	ng/ul	99
21) Benzo(a)anthracene	21.128	228	39216	0.824	ng/ul	99
22) Chrysene	21.178	228	41236	0.807	ng/ul	97
24) Benzo(b)fluoranthene	22.662	252	52502m	1.204	ng/ul	
25) Benzo(k)fluoranthene	22.697	252	27552m	0.576	ng/ul	
26) Benzo(a)pyrene	23.206	252	21527	0.515	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	25.437	276	21400	0.362	ng/ul#	94
28) Dibenzo(a,h)anthracene	25.450	278	6404	0.139	ng/ul#	85
29) Benzo(g,h,i)perylene	26.087	276	3495	0.073	ng/ul#	81

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

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