

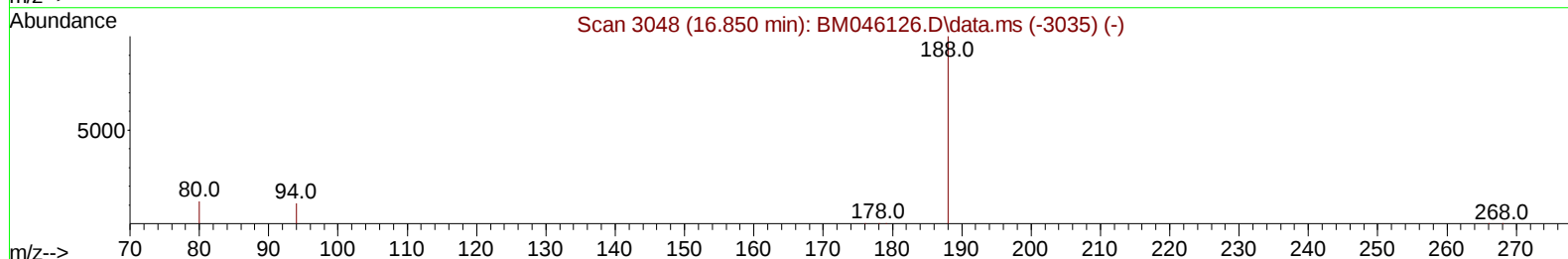
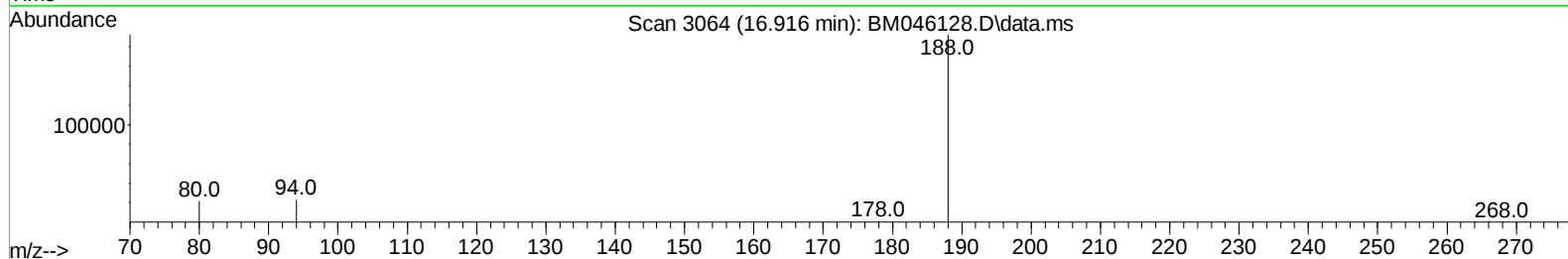
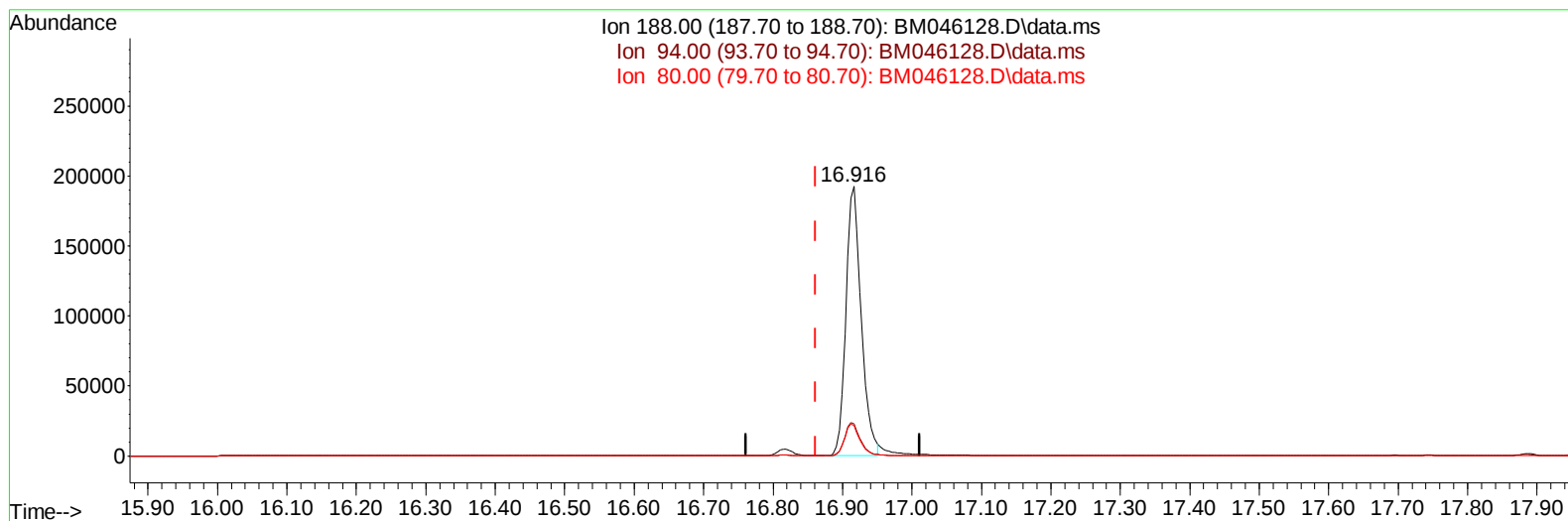
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046128.D
Acq On : 20 Jun 2024 18:10
Operator : MA/JU
Sample : P2710-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BM1

Manual IntegrationsAPPROVED

Quant Time: Jun 21 02:48:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 18 13:58:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046128.D\data.ms

(13) Phenanthrene-d10 (I)

16.916min (+ 0.055) 0.40 ng/u1

response 292913

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	11.99
80.00	15.20	11.33#
0.00	0.00	0.00

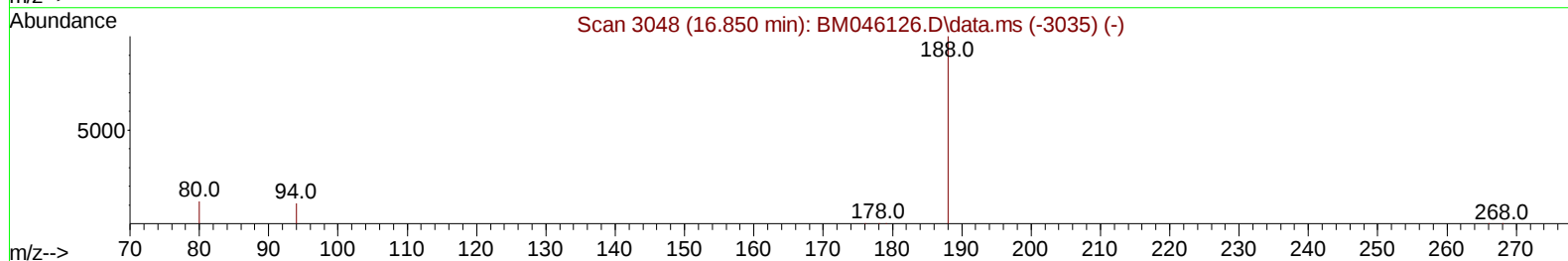
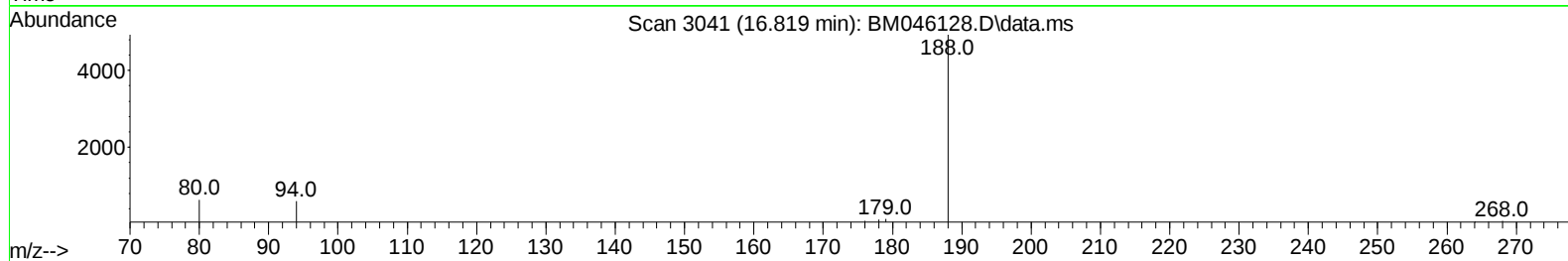
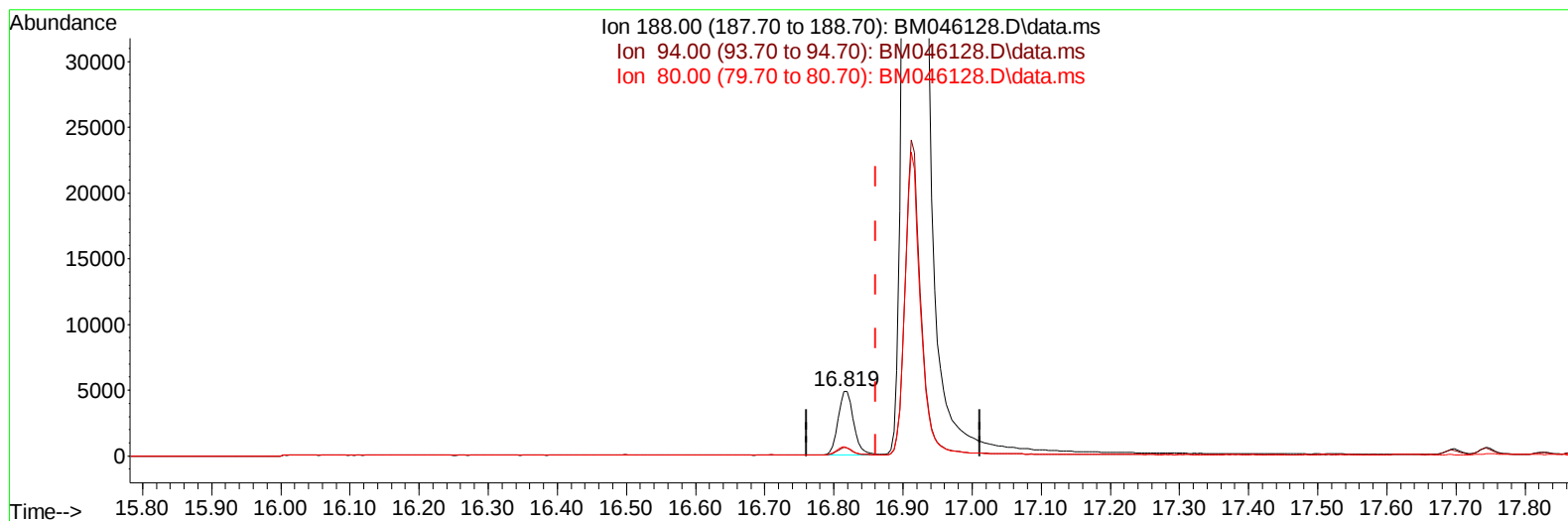
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046128.D
Acq On : 20 Jun 2024 18:10
Operator : MA/JU
Sample : P2710-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BM1

Manual IntegrationsAPPROVED

Quant Time: Jun 21 02:48:12 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 18 13:58:29 2024
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TIC: BM046128.D\data.ms

(13) Phenanthrene-d10 (I)

16.819min (-0.042) 0.40 ng/u1 m

response 7610

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	11.95
80.00	15.20	12.83
0.00	0.00	0.00

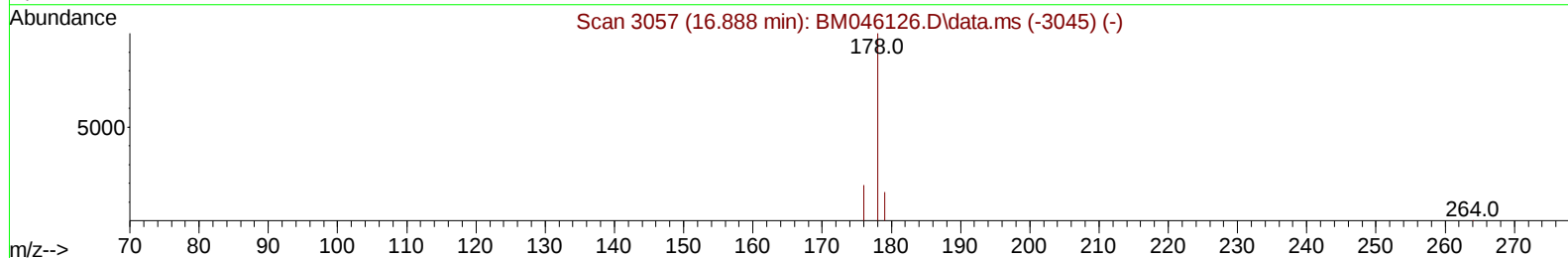
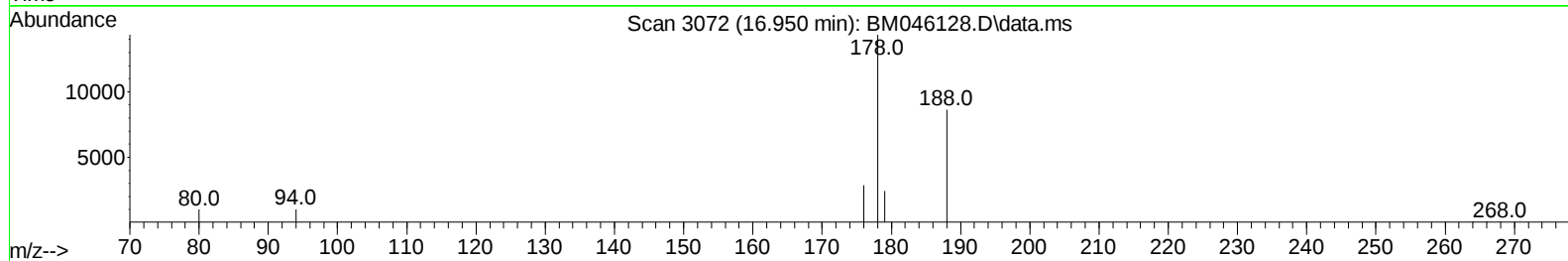
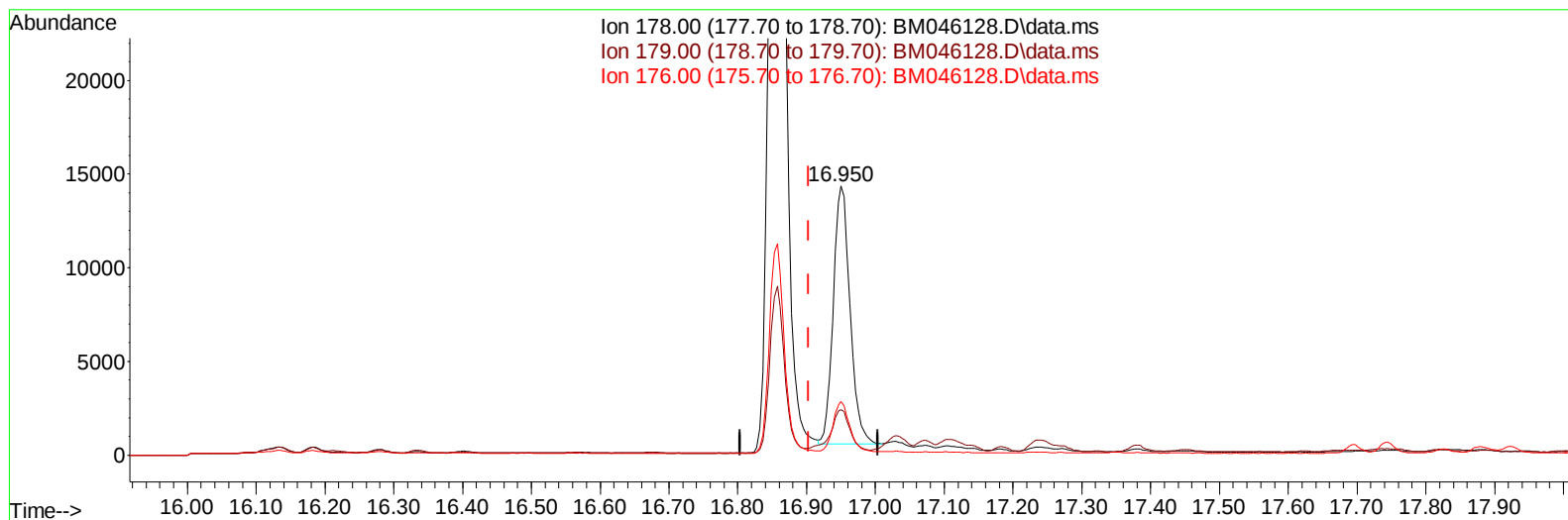
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046128.D
 Acq On : 20 Jun 2024 18:10
 Operator : MA/JU
 Sample : P2710-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BM1

Manual IntegrationsAPPROVED

Quant Time: Jun 21 02:48:12 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 18 13:58:29 2024
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TIC: BM046128.D\data.ms

(15) Phenanthrene

16.950min (+ 0.047) 1.09 ng/u1

response 23289

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	16.99
176.00	21.40	19.83
0.00	0.00	0.00

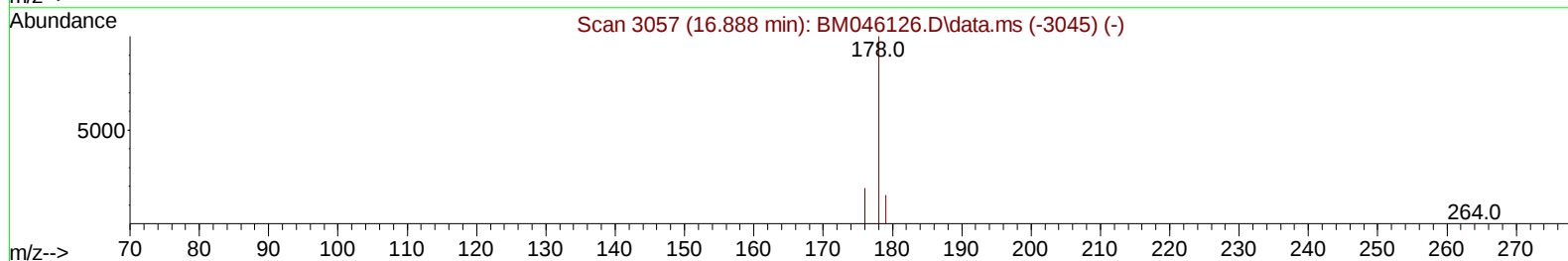
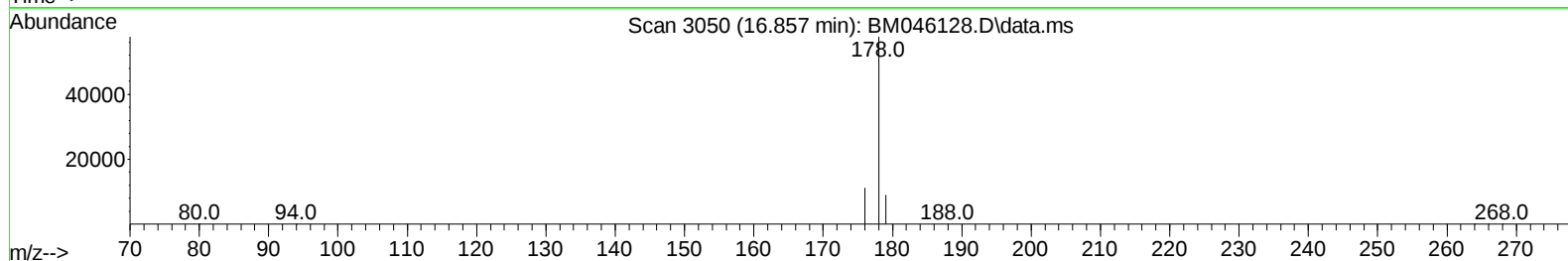
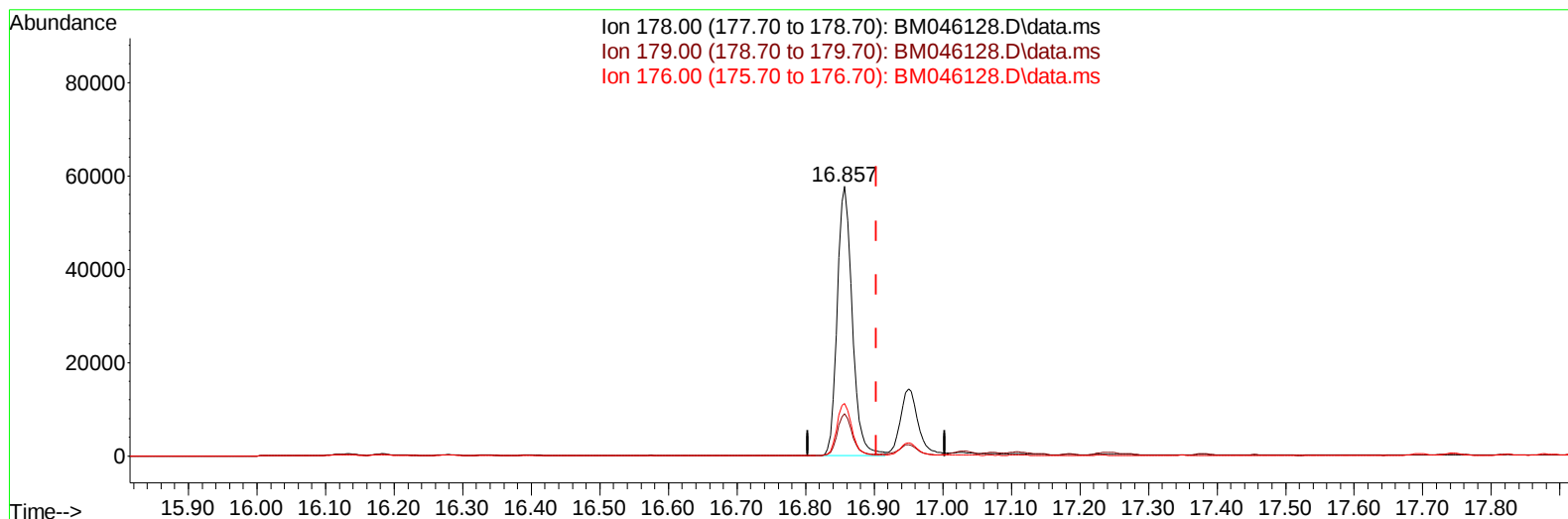
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046128.D
 Acq On : 20 Jun 2024 18:10
 Operator : MA/JU
 Sample : P2710-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BM1

Manual IntegrationsAPPROVED

Quant Time: Jun 21 02:48:12 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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 QLast Update : Tue Jun 18 13:58:29 2024
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Reviewed By :Jagrut Upadhyay 06/21/2024
 Supervised By :mohammad ahmed 06/24/2024



TIC: BM046128.D\data.ms

(15) Phenanthrene

16.857min (-0.046) 4.10 ng/ul m

response 87615

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.61
176.00	21.40	19.54
0.00	0.00	0.00

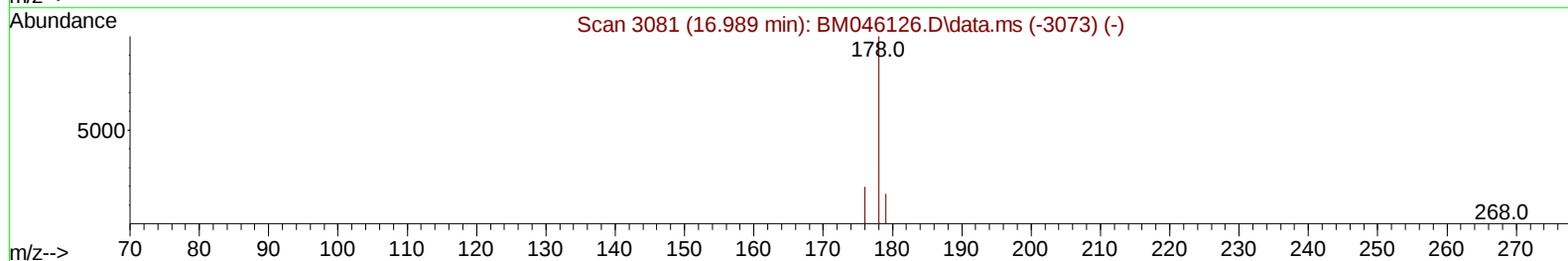
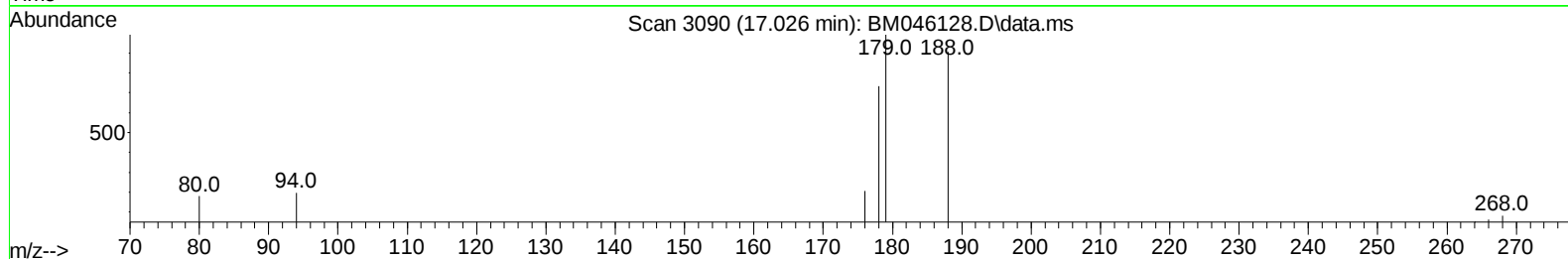
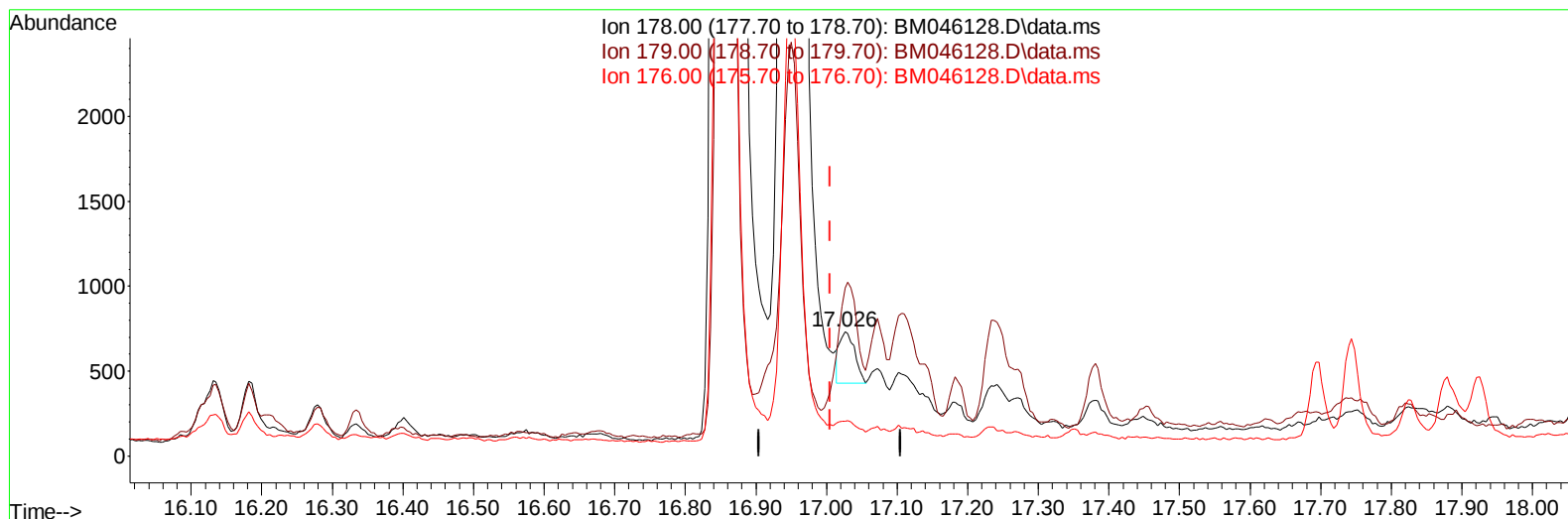
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046128.D
Acq On : 20 Jun 2024 18:10
Operator : MA/JU
Sample : P2710-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BM1

Manual IntegrationsAPPROVED

Quant Time: Jun 21 02:48:12 2024
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TIC: BM046128.D\data.ms

(16) Anthracene

17.026min (+ 0.021) 0.03 ng/u1

response 459

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	135.33#
176.00	21.20	27.97#
0.00	0.00	0.00

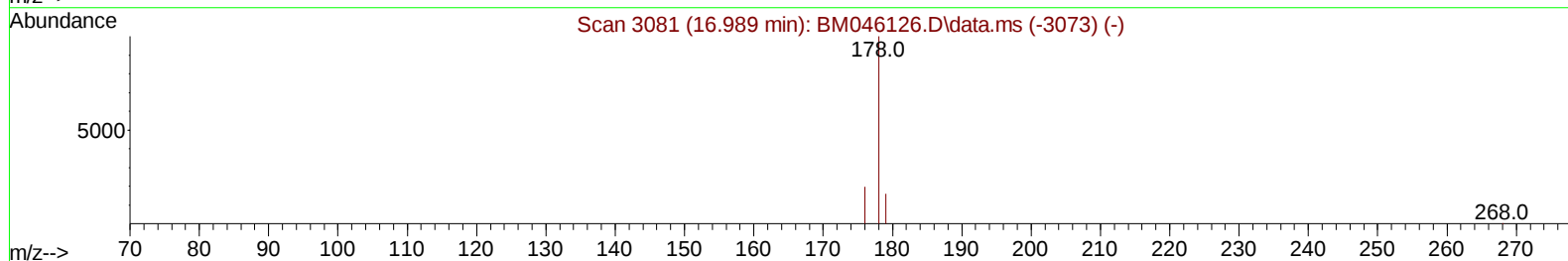
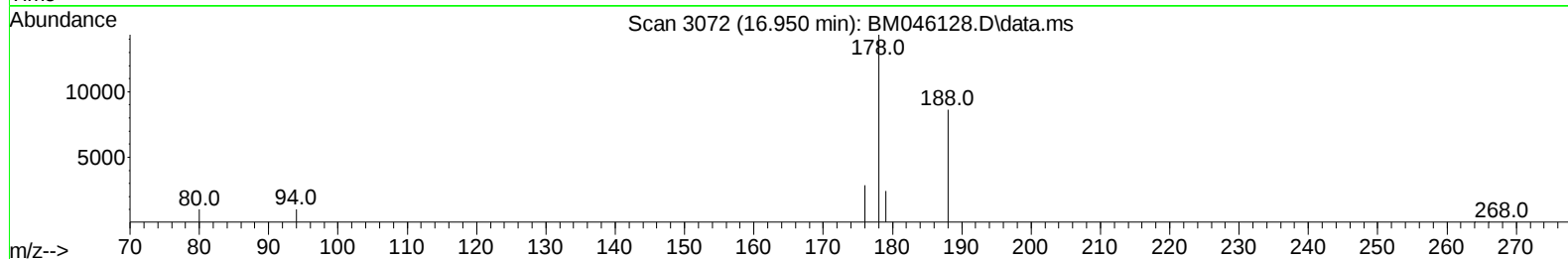
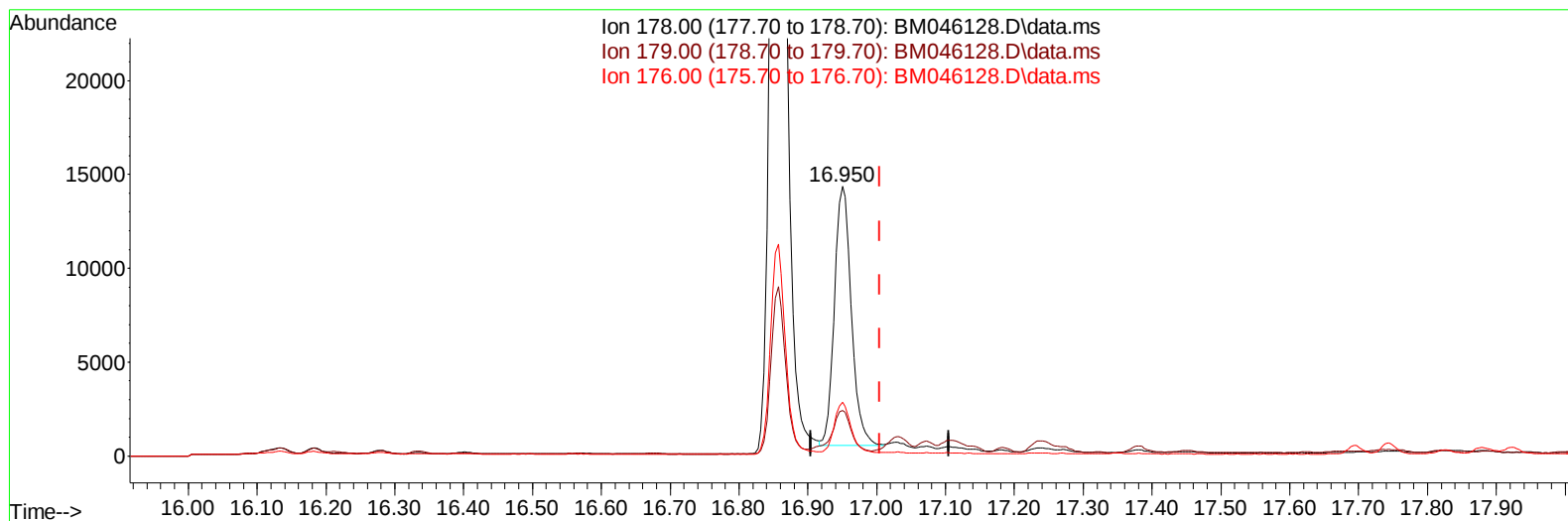
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046128.D
Acq On : 20 Jun 2024 18:10
Operator : MA/JU
Sample : P2710-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BM1

Manual IntegrationsAPPROVED

Quant Time: Jun 21 02:48:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 18 13:58:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/21/2024
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TIC: BM046128.D\data.ms

(16) Anthracene

16.950min (-0.055) 1.47 ng/ul m

response 23462

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	16.99
176.00	21.20	19.83
0.00	0.00	0.00

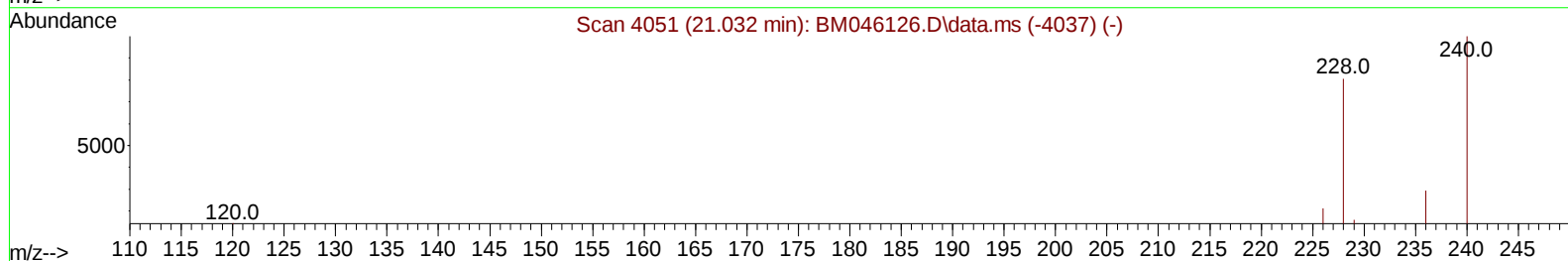
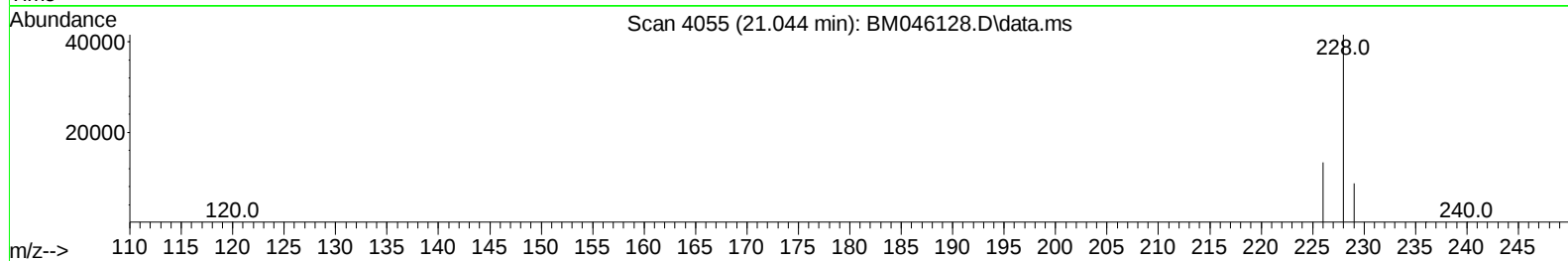
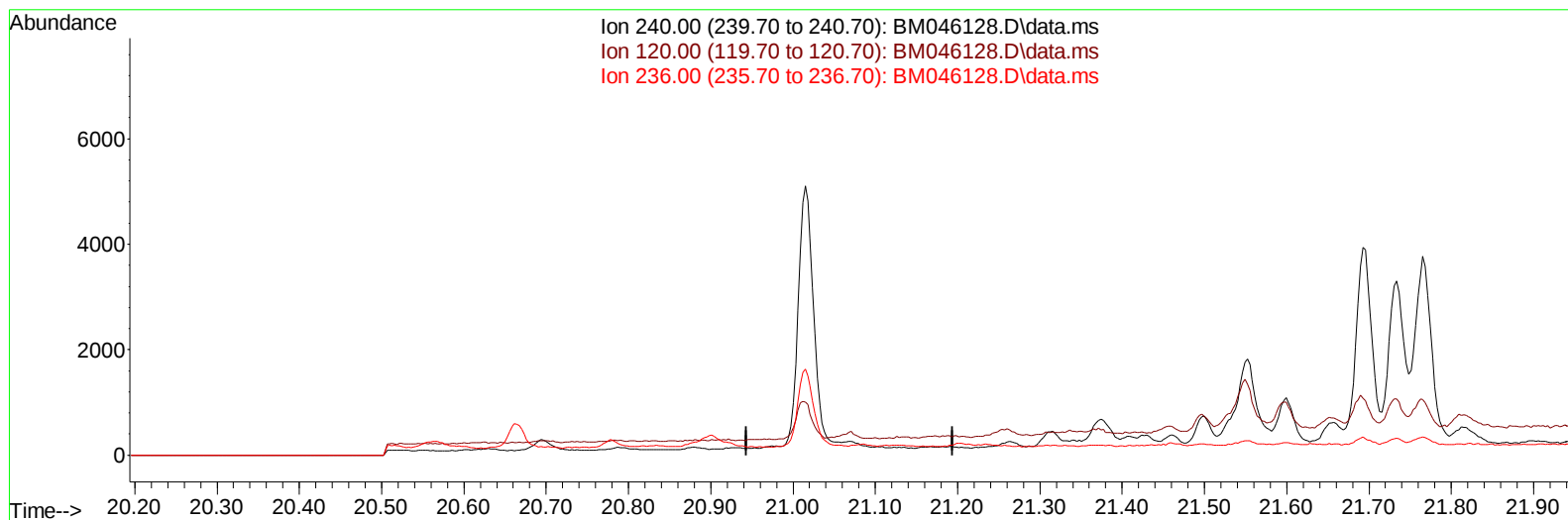
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046128.D
Acq On : 20 Jun 2024 18:10
Operator : MA/JU
Sample : P2710-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BM1

Manual IntegrationsAPPROVED

Quant Time: Jun 21 02:48:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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TIC: BM046128.D\data.ms

(17) Chrysene-d12

21.044min (-21.044) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	23.50	0.00#
236.00	33.60	0.00#
0.00	0.00	0.00

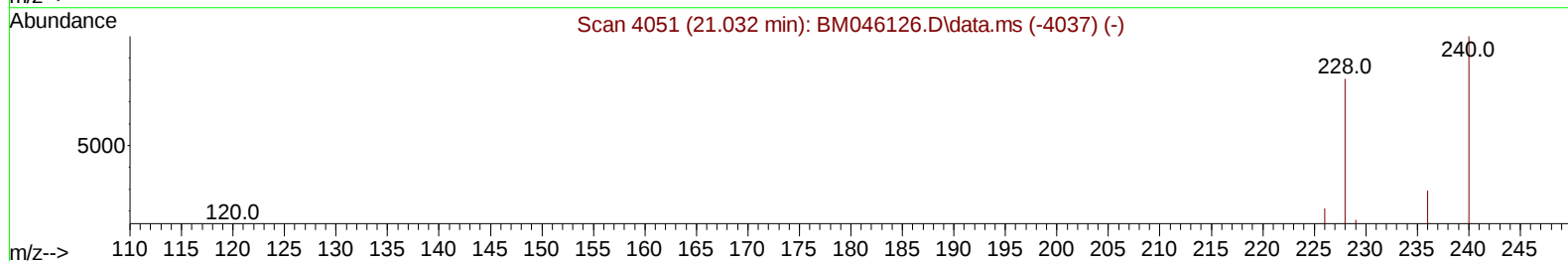
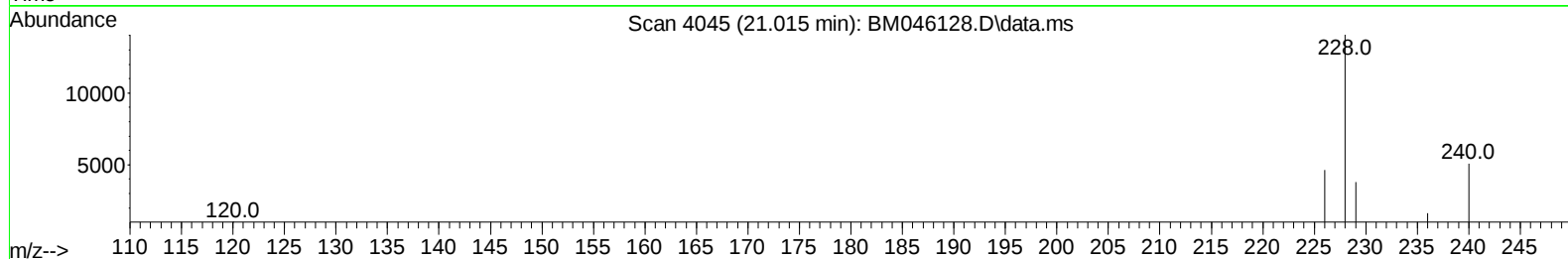
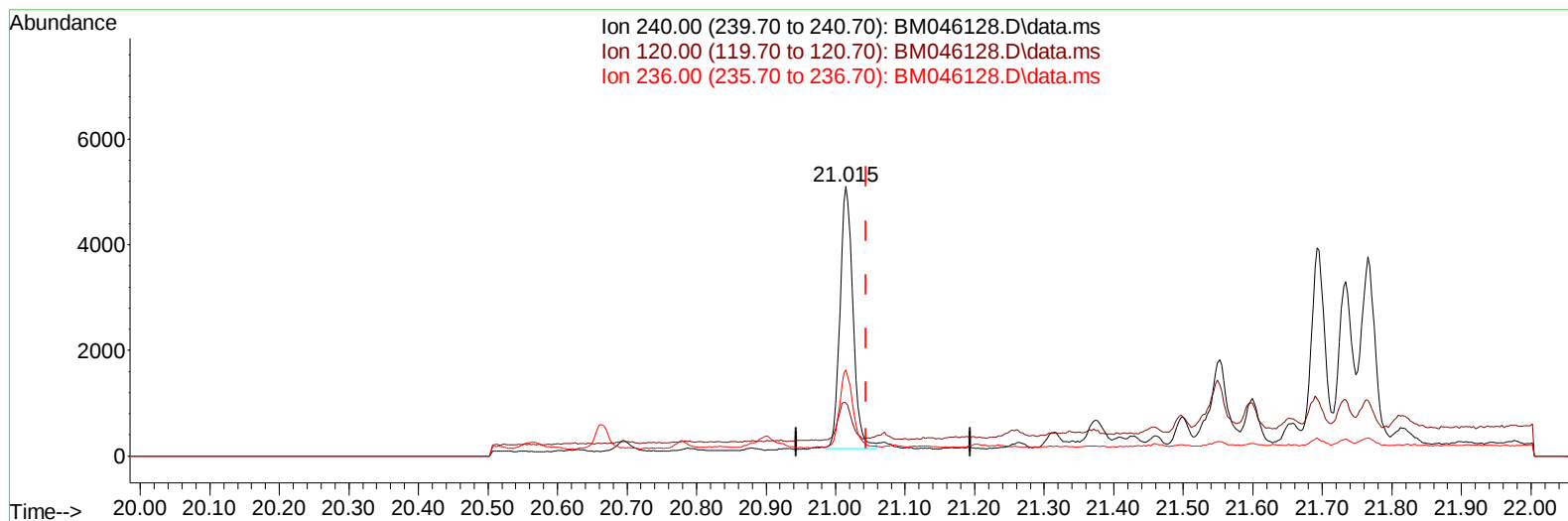
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046128.D
Acq On : 20 Jun 2024 18:10
Operator : MA/JU
Sample : P2710-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BM1

Manual IntegrationsAPPROVED

Quant Time: Jun 21 02:48:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 18 13:58:29 2024
Response via : Initial Calibration

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TIC: BM046128.D\data.ms

(17) Chrysene-d12

21.015min (-0.029) 0.40 ng/u1 m

response 6440

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	19.76
236.00	33.60	31.85
0.00	0.00	0.00

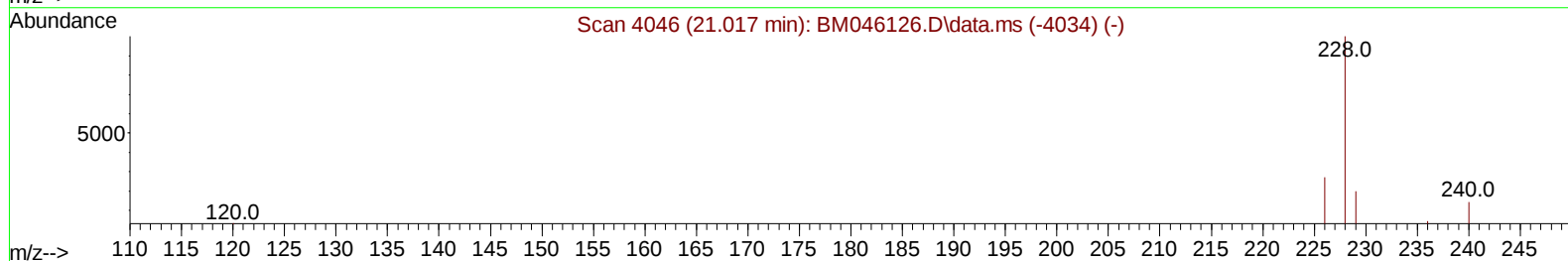
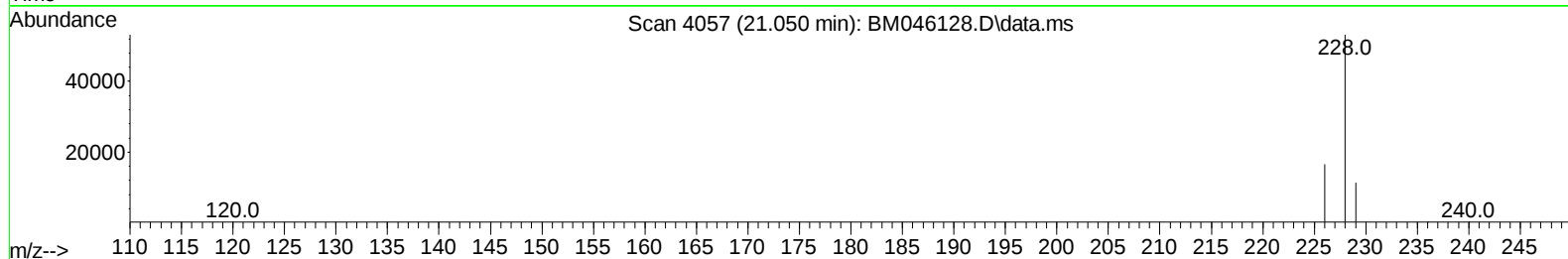
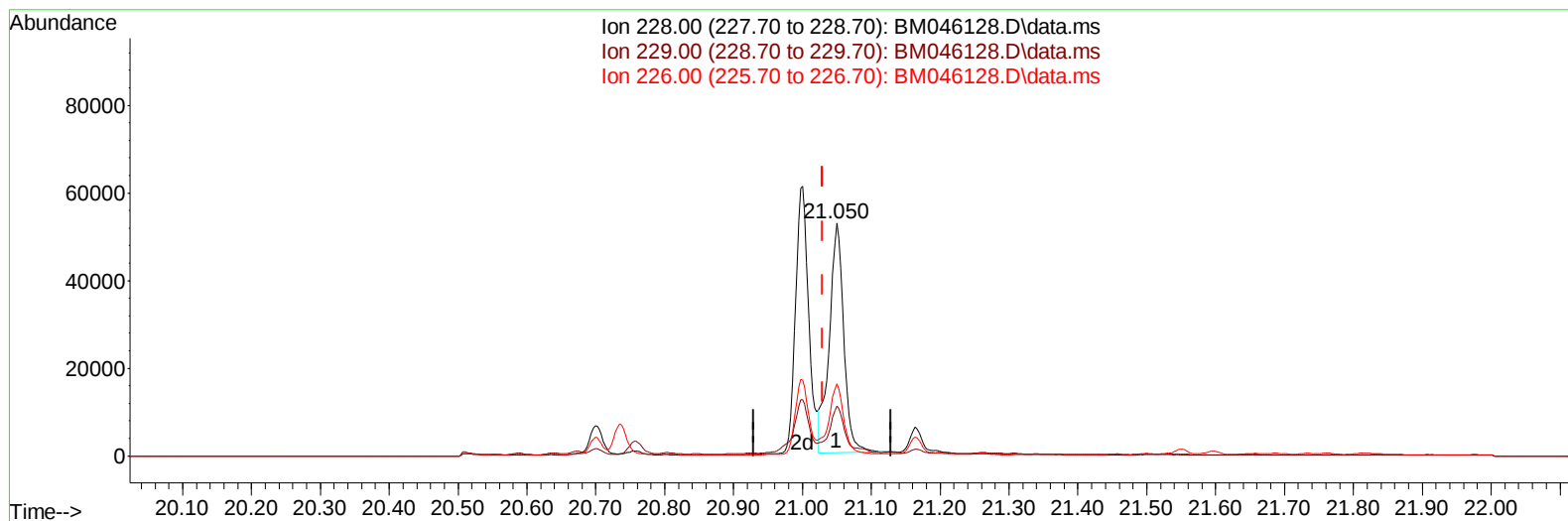
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046128.D
Acq On : 20 Jun 2024 18:10
Operator : MA/JU
Sample : P2710-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BM1

Manual IntegrationsAPPROVED

Quant Time: Jun 21 02:48:12 2024
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TIC: BM046128.D\data.ms

(21) Benzo(a)anthracene

21.050min (+ 0.021) 3.08 ng/u1

response 76635

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.50	21.28
226.00	29.30	31.03
0.00	0.00	0.00

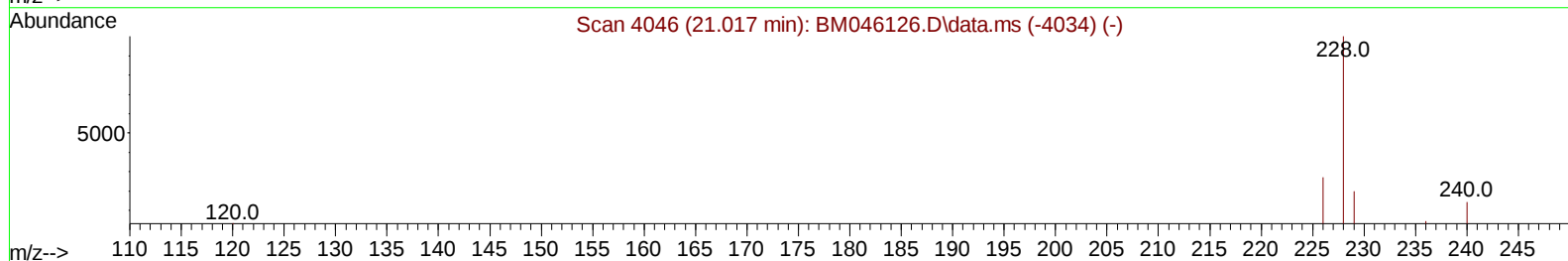
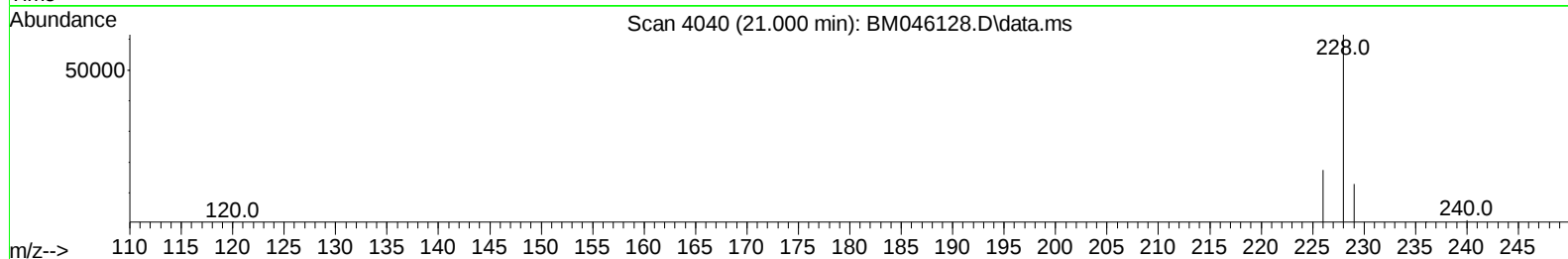
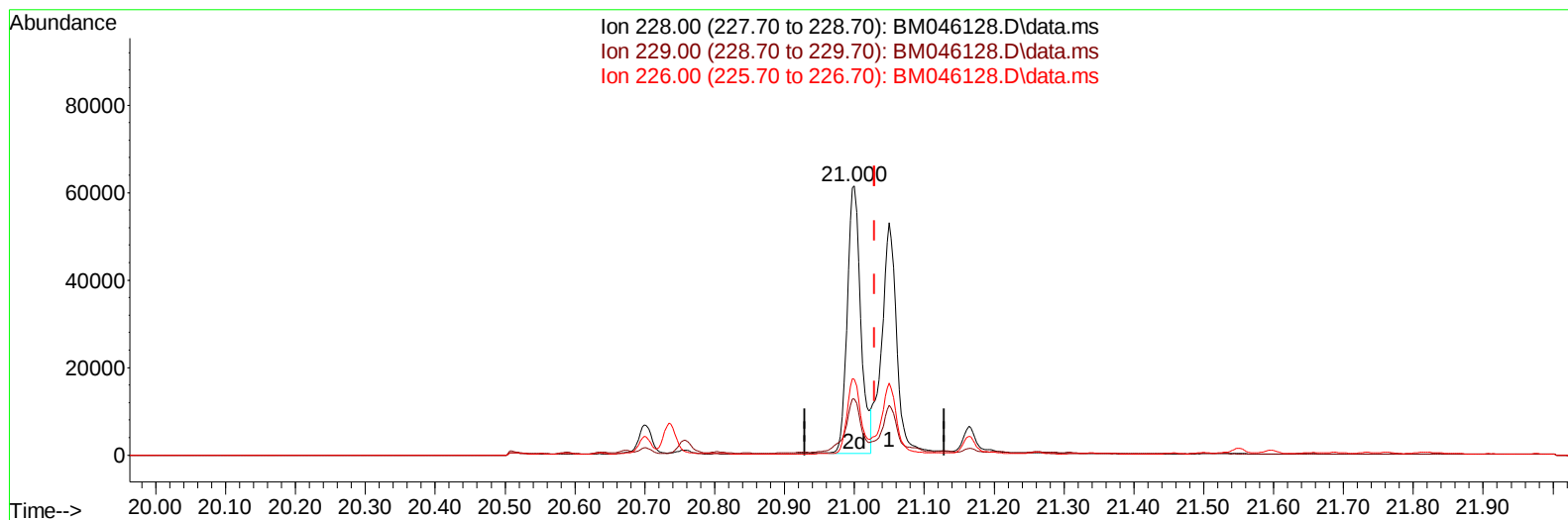
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046128.D
Acq On : 20 Jun 2024 18:10
Operator : MA/JU
Sample : P2710-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BM1

Manual IntegrationsAPPROVED

Quant Time: Jun 21 02:48:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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TIC: BM046128.D\data.ms

(21) Benzo(a)anthracene

21.000min (-0.029) 3.31 ng/u1 m

response 82365

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.50	20.99
226.00	29.30	28.29
0.00	0.00	0.00

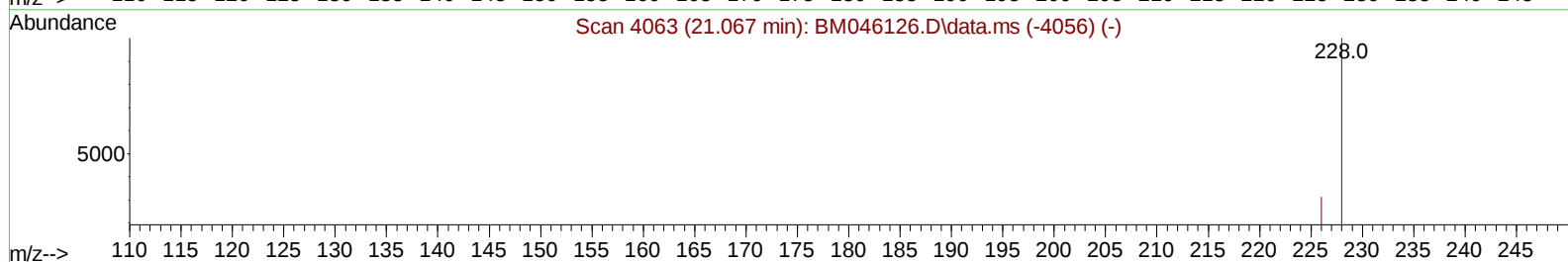
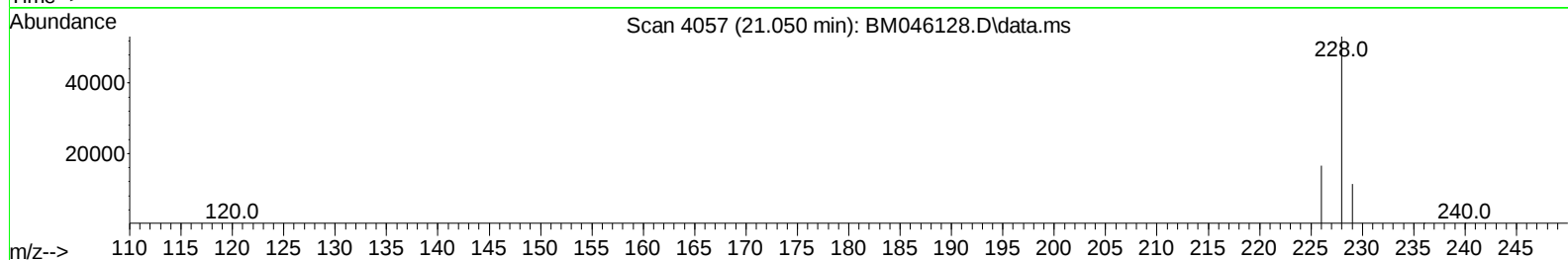
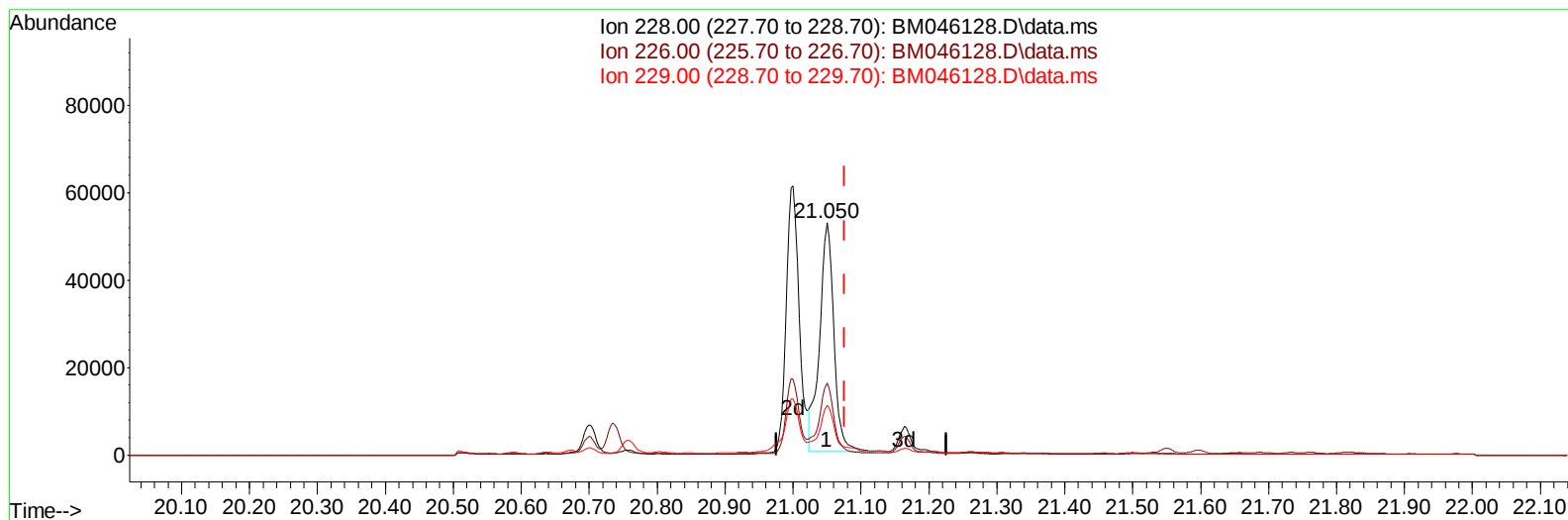
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046128.D
Acq On : 20 Jun 2024 18:10
Operator : MA/JU
Sample : P2710-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BM1

Manual IntegrationsAPPROVED

Quant Time: Jun 21 02:48:12 2024
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TIC: BM046128.D\data.ms

(22) Chrysene

21.050min (-0.026) 2.42 ng/u1

response 76755

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	31.50	31.03
229.00	20.40	21.28
0.00	0.00	0.00

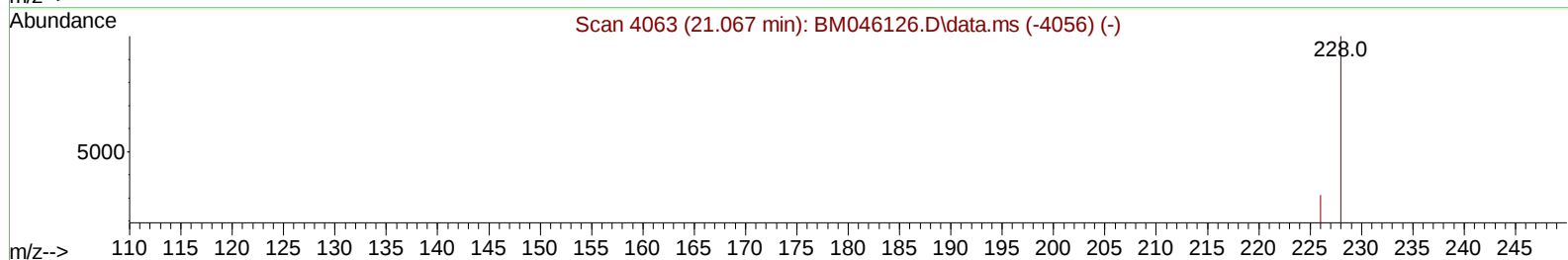
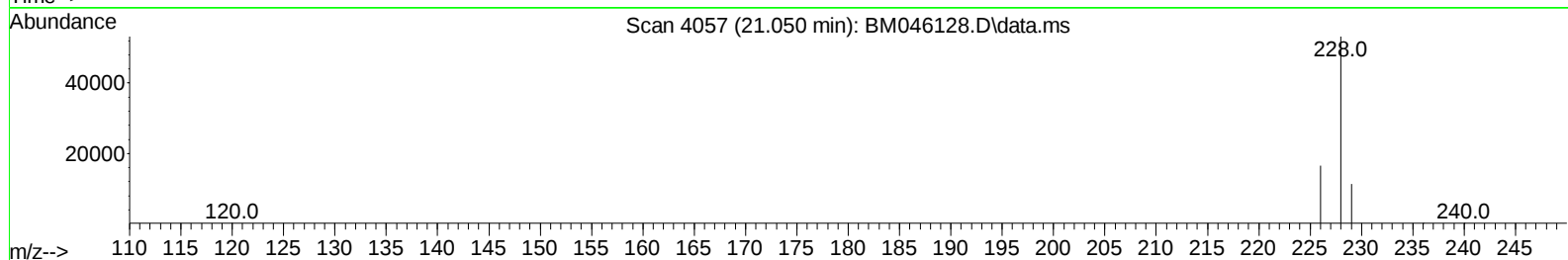
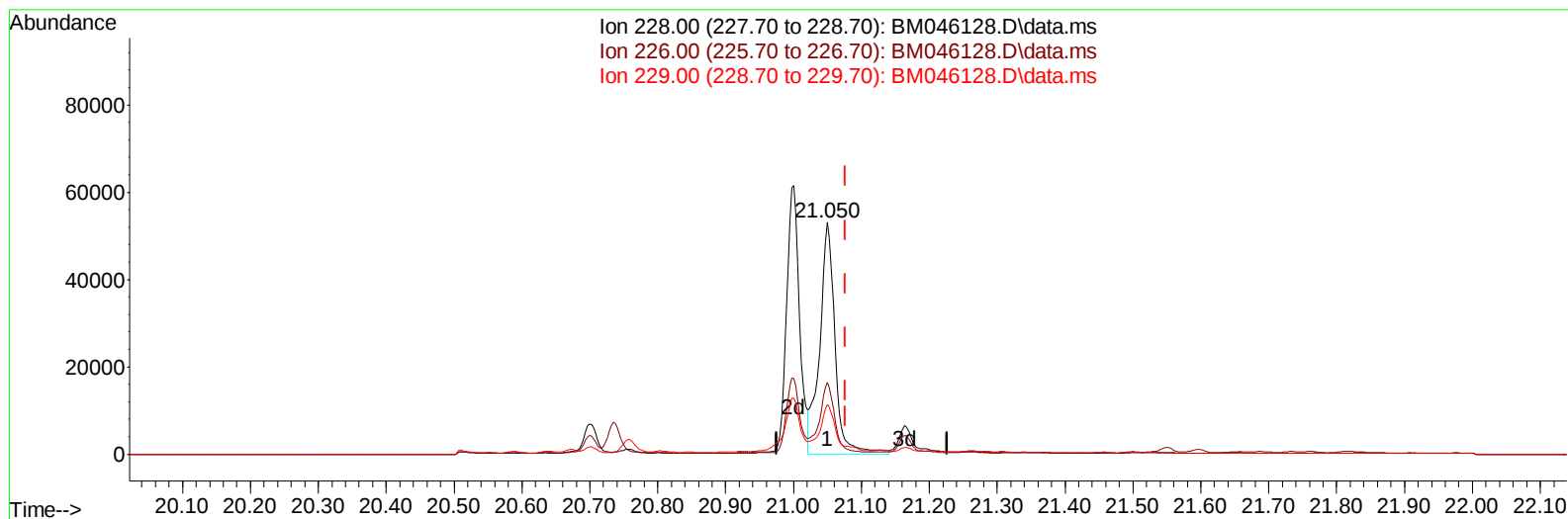
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046128.D
Acq On : 20 Jun 2024 18:10
Operator : MA/JU
Sample : P2710-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BM1

Manual IntegrationsAPPROVED

Quant Time: Jun 21 02:48:12 2024
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TIC: BM046128.D\data.ms

(22) Chrysene

21.050min (-0.026) 2.65 ng/u1 m

response 84187

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	31.50	31.03
229.00	20.40	21.28
0.00	0.00	0.00

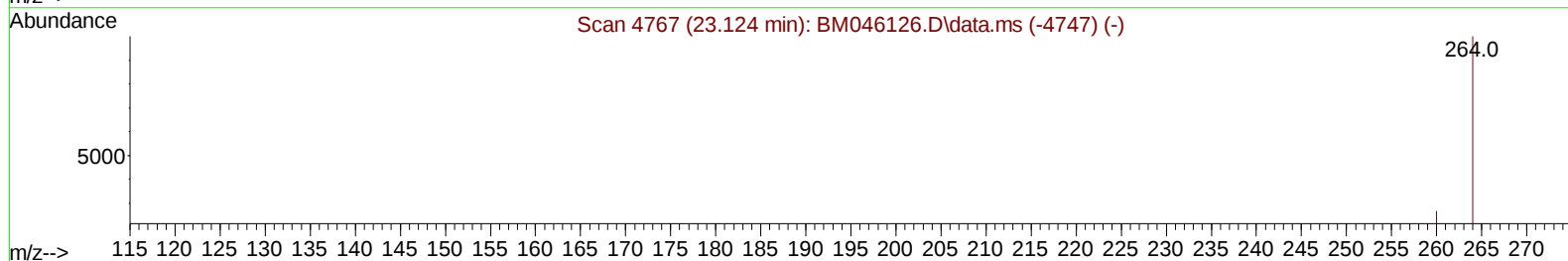
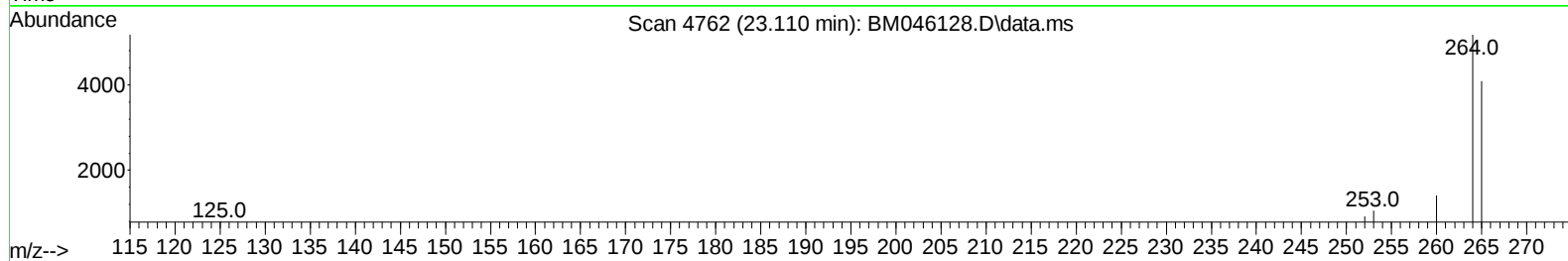
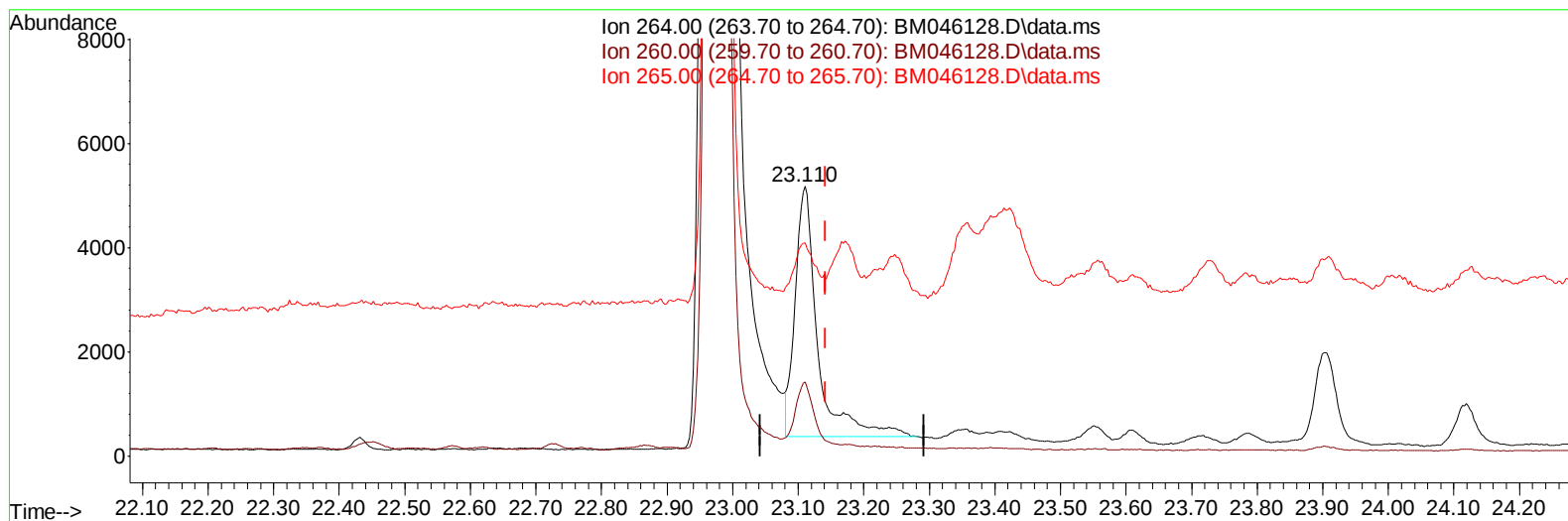
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046128.D
Acq On : 20 Jun 2024 18:10
Operator : MA/JU
Sample : P2710-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BM1

Manual IntegrationsAPPROVED

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TIC: BM046128.D\data.ms

(23) Perylene-d12 (I)

23.110min (-0.032) 0.40 ng/u1

response 11243

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.43
265.00	110.60	79.05#
0.00	0.00	0.00

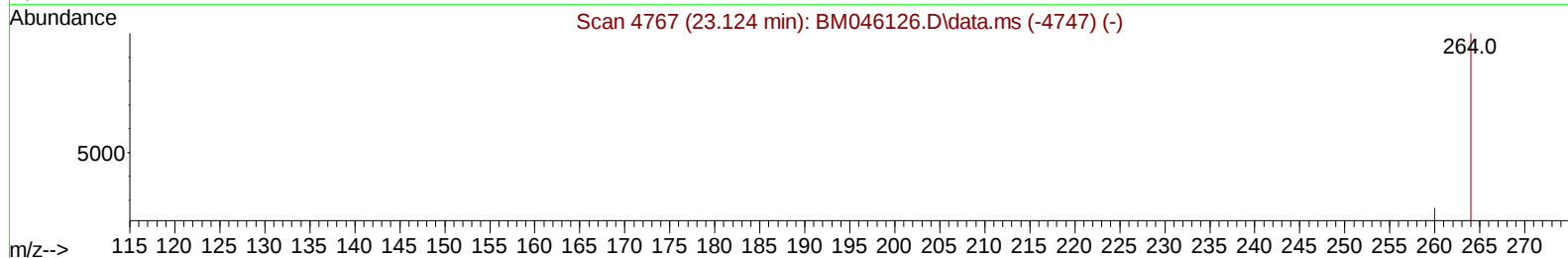
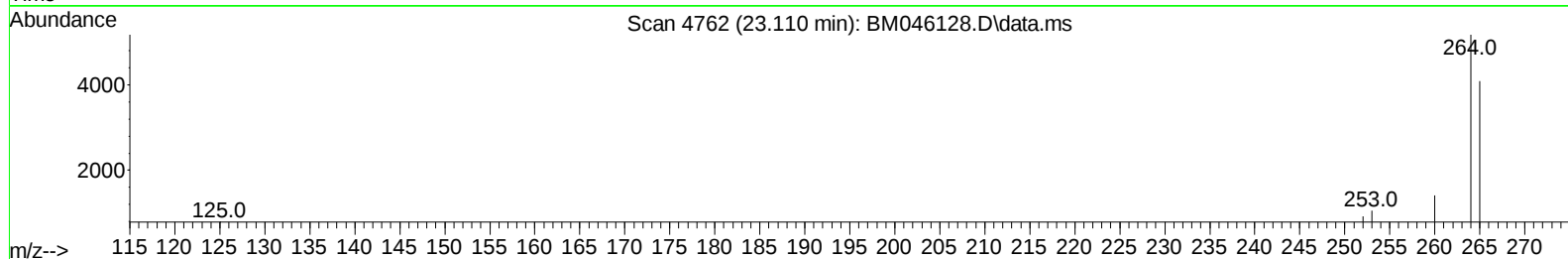
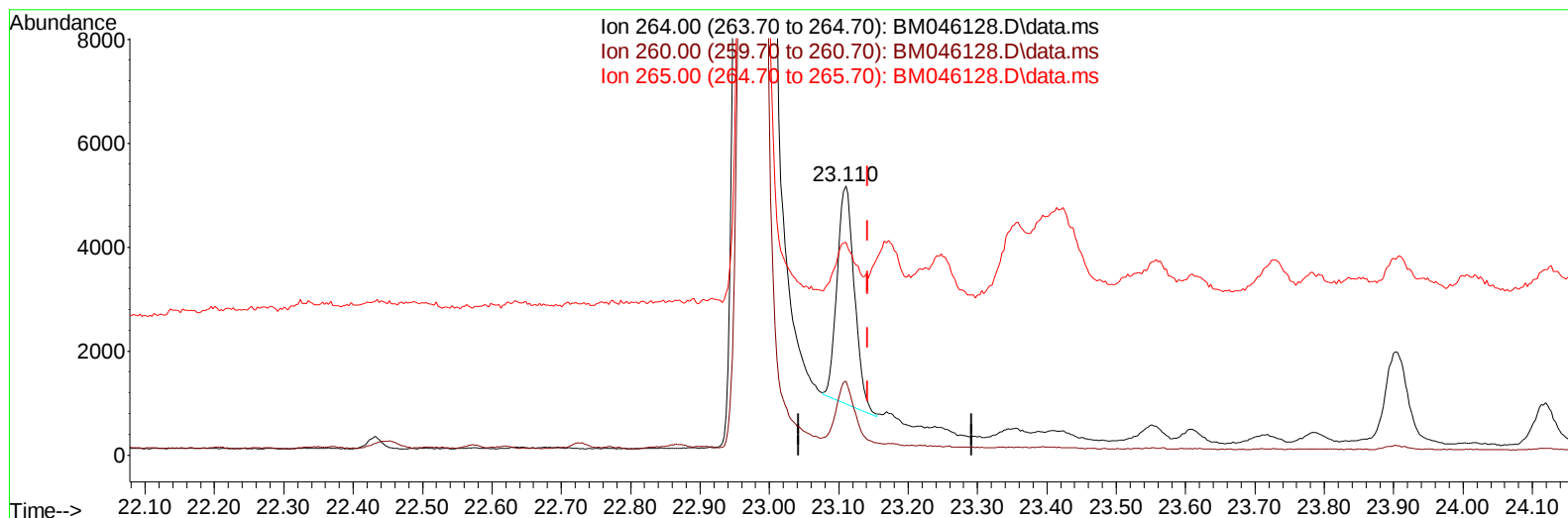
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046128.D
Acq On : 20 Jun 2024 18:10
Operator : MA/JU
Sample : P2710-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BM1

Manual IntegrationsAPPROVED

Quant Time: Jun 21 02:48:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 18 13:58:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046128.D\data.ms

(23) Perylene-d12 (I)

23.110min (-0.032) 0.40 ng/u1 m

response 7261

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.43
265.00	110.60	79.05#
0.00	0.00	0.00

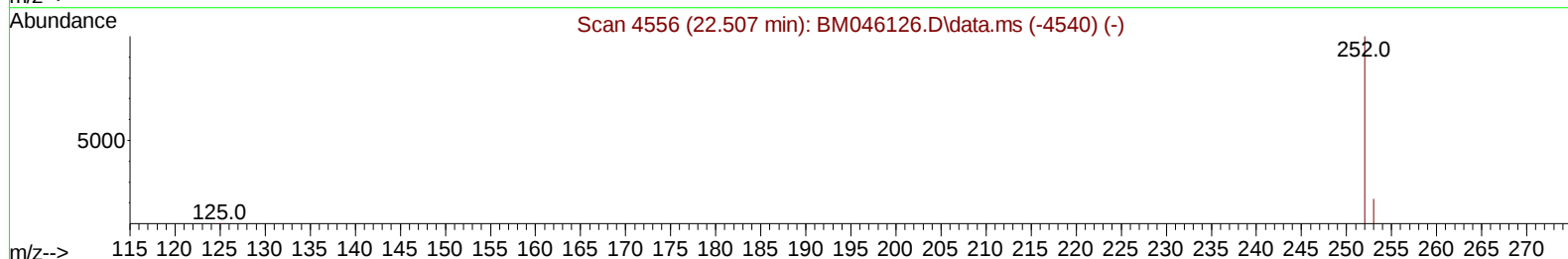
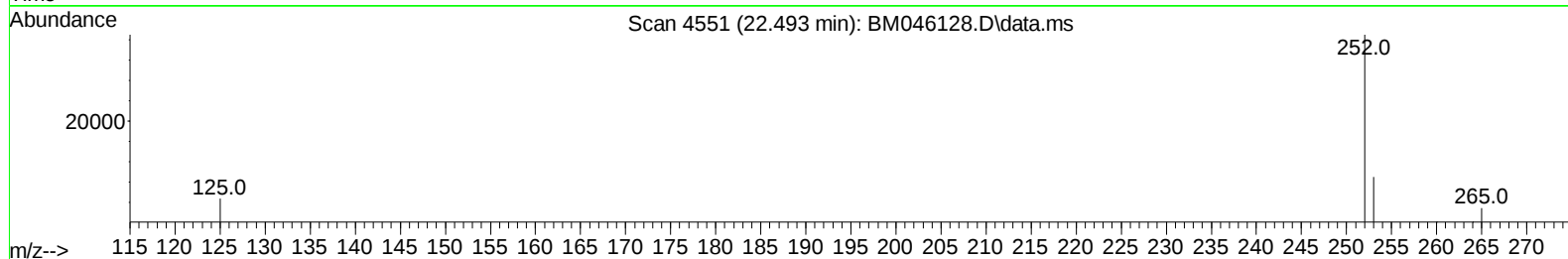
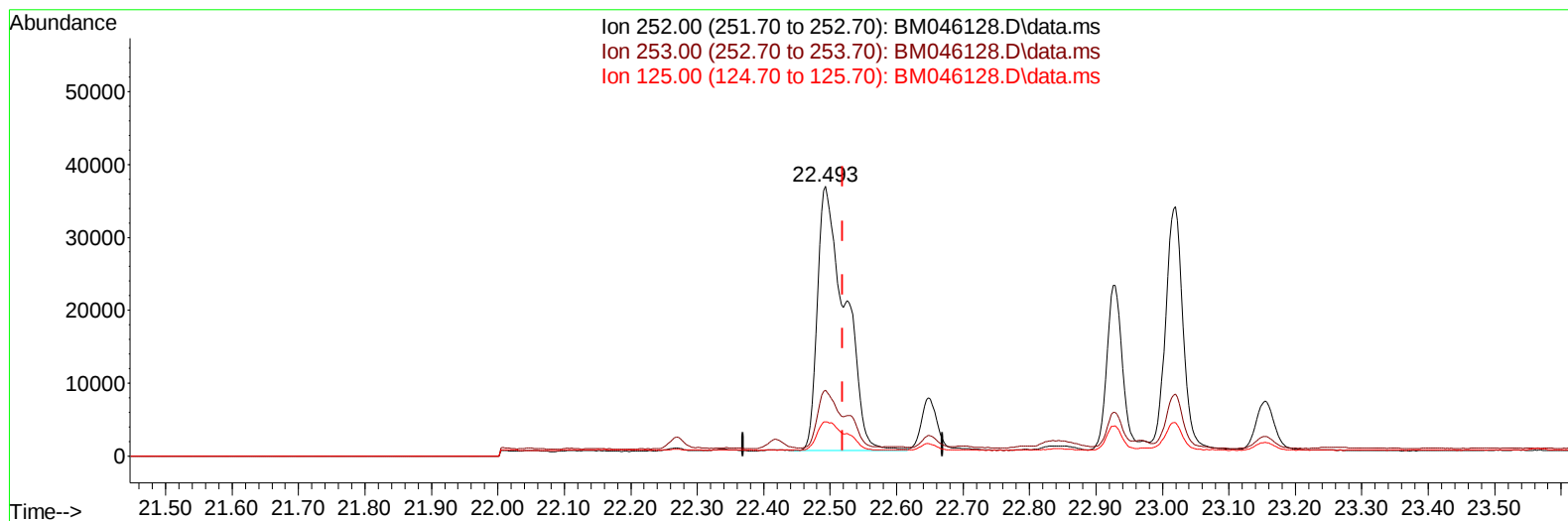
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046128.D
Acq On : 20 Jun 2024 18:10
Operator : MA/JU
Sample : P2710-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BM1

Manual IntegrationsAPPROVED

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TIC: BM046128.D\data.ms

(24) Benzo(b)fluoranthene

22.493min (-0.026) 4.02 ng/u1

response 105172

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	24.37
125.00	20.10	12.71
0.00	0.00	0.00

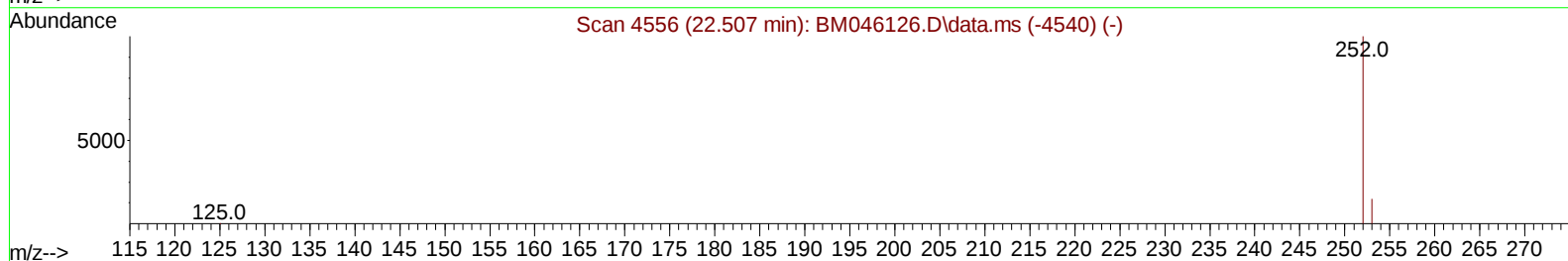
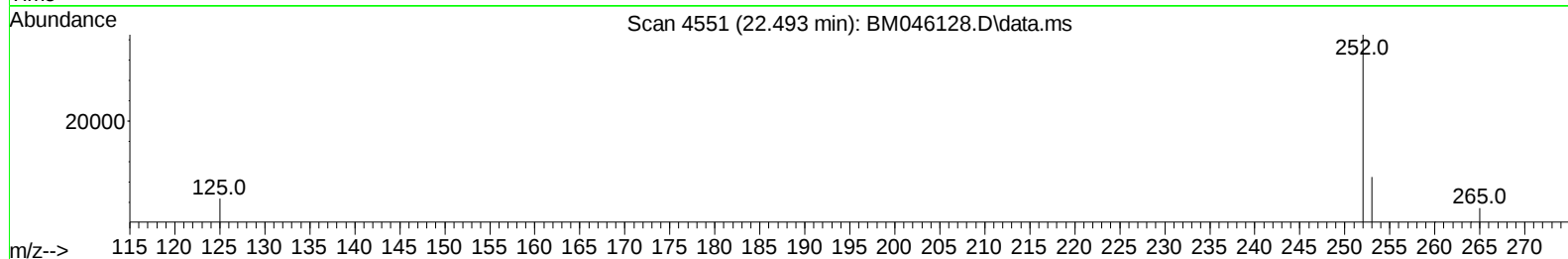
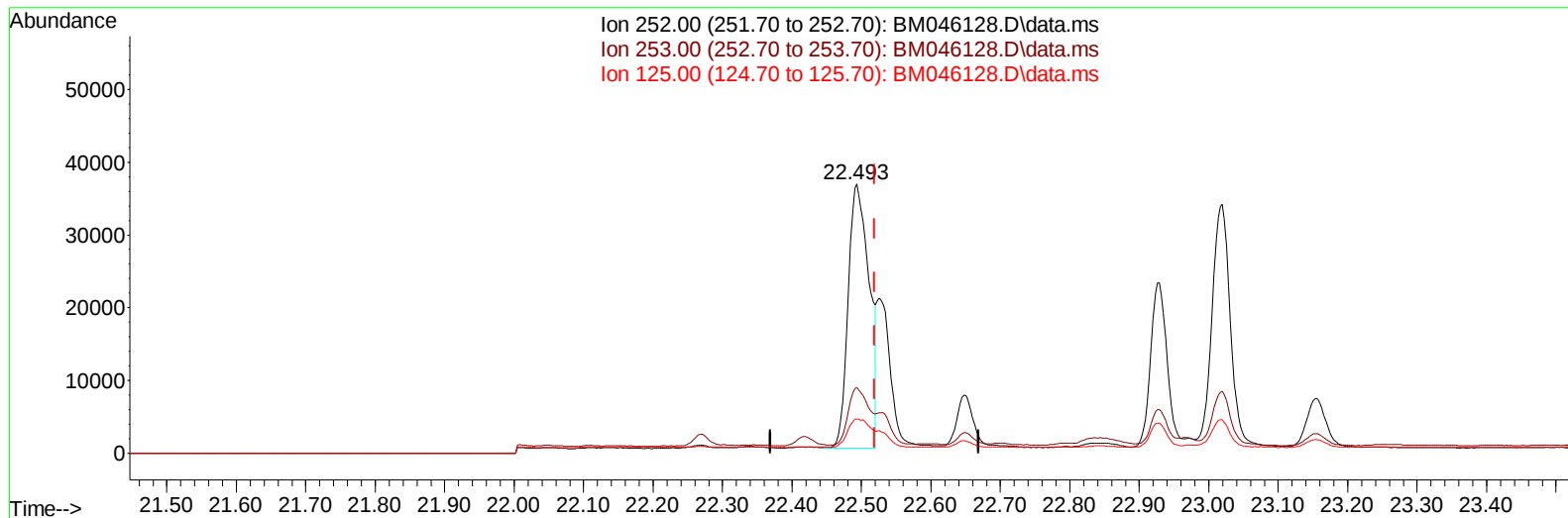
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046128.D
Acq On : 20 Jun 2024 18:10
Operator : MA/JU
Sample : P2710-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BM1

Manual IntegrationsAPPROVED

Quant Time: Jun 21 02:48:12 2024
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TIC: BM046128.D\data.ms

(24) Benzo(b)fluoranthene

22.493min (-0.026) 2.91 ng/u1 m

response 76116

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	24.37
125.00	20.10	12.71
0.00	0.00	0.00

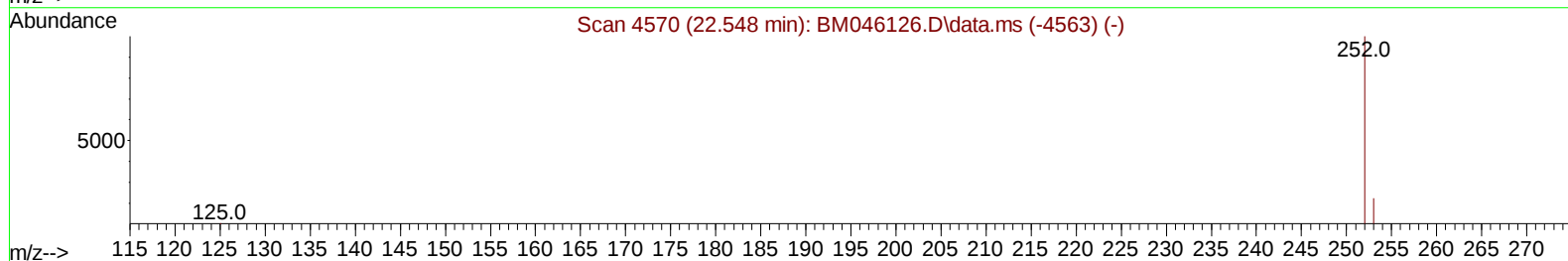
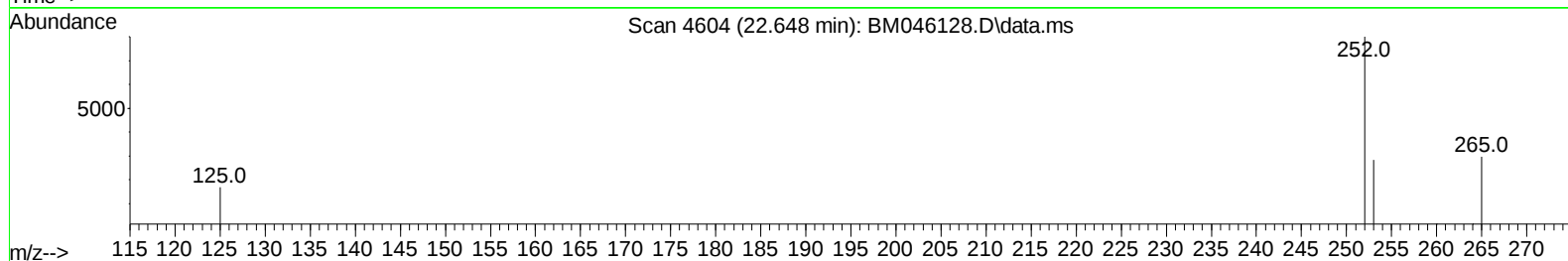
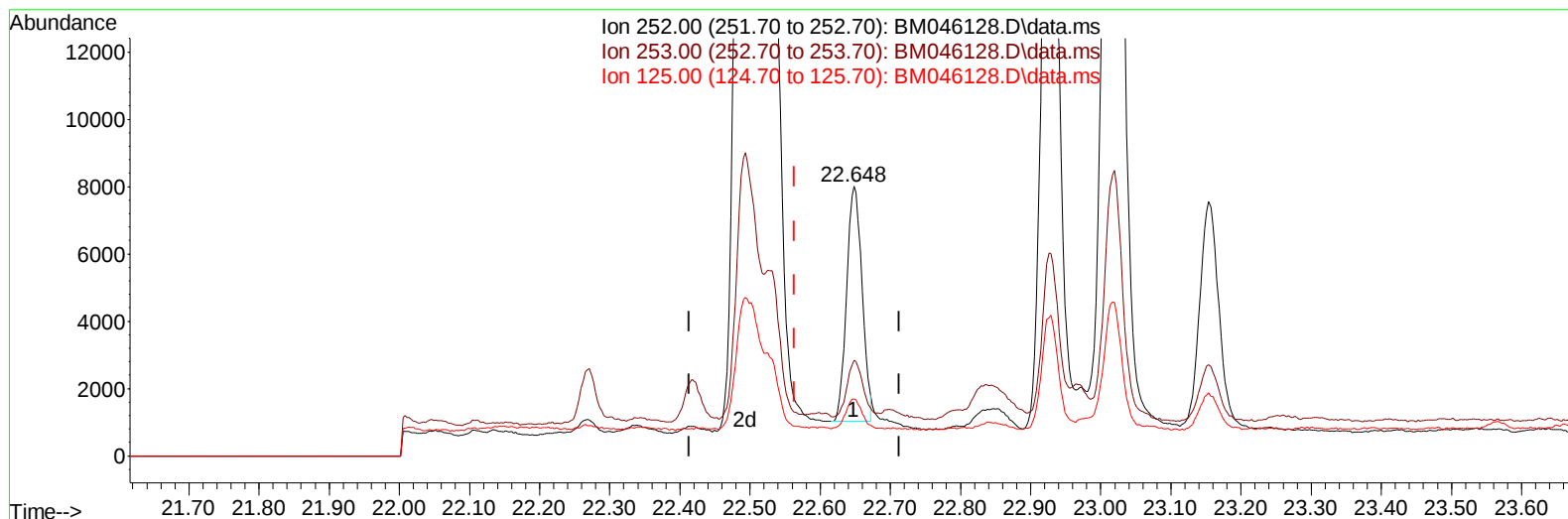
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046128.D
Acq On : 20 Jun 2024 18:10
Operator : MA/JU
Sample : P2710-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BM1

Manual IntegrationsAPPROVED

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TIC: BM046128.D\data.ms

(25) Benzo(k)fluoranthene

22.648min (+ 0.085) 0.34 ng/u1

response 10623

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	35.43
125.00	20.80	21.13
0.00	0.00	0.00

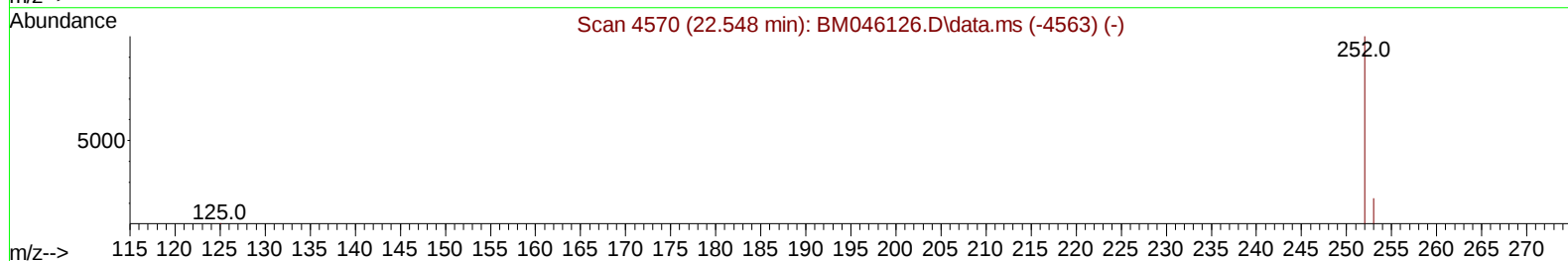
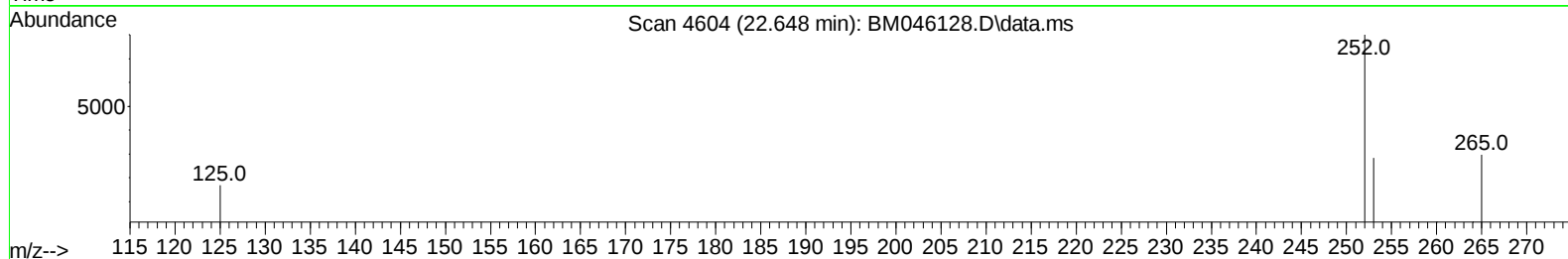
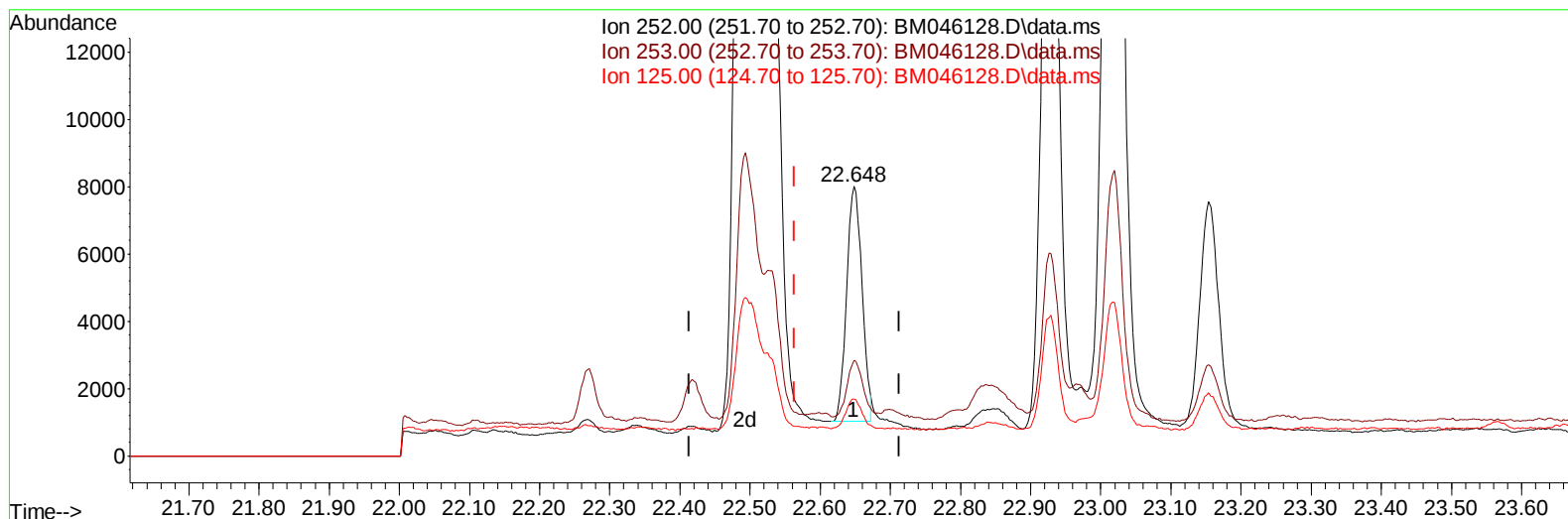
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046128.D
Acq On : 20 Jun 2024 18:10
Operator : MA/JU
Sample : P2710-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BM1

Manual IntegrationsAPPROVED

Quant Time: Jun 21 02:48:12 2024
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Supervised By :mohammad ahmed 06/24/2024



TIC: BM046128.D\data.ms

(25) Benzo(k)fluoranthene

22.648min (+ 0.085) 0.34 ng/u1

response 10623

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	35.43
125.00	20.80	21.13
0.00	0.00	0.00

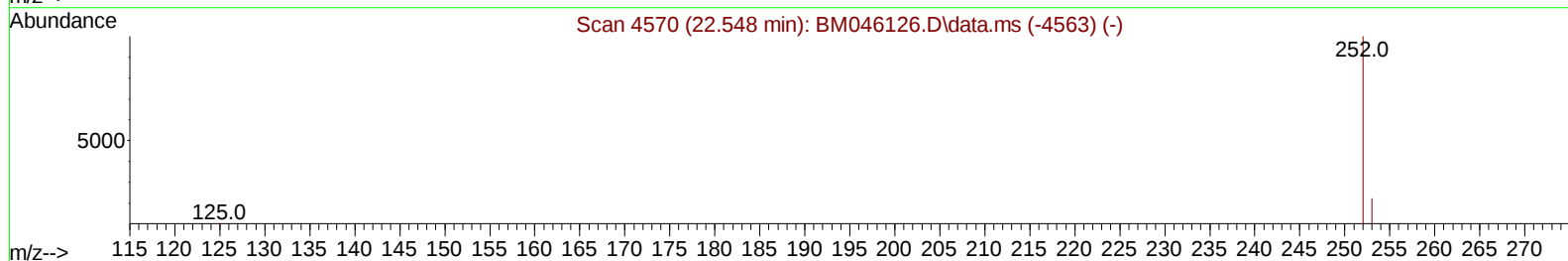
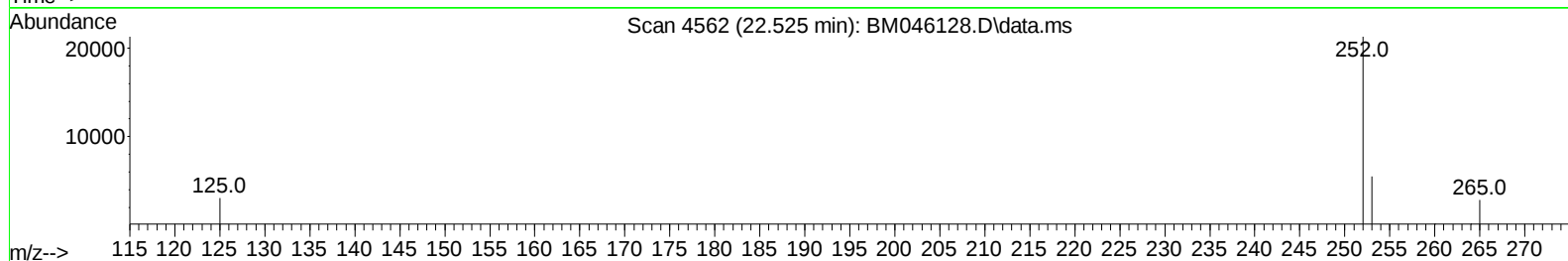
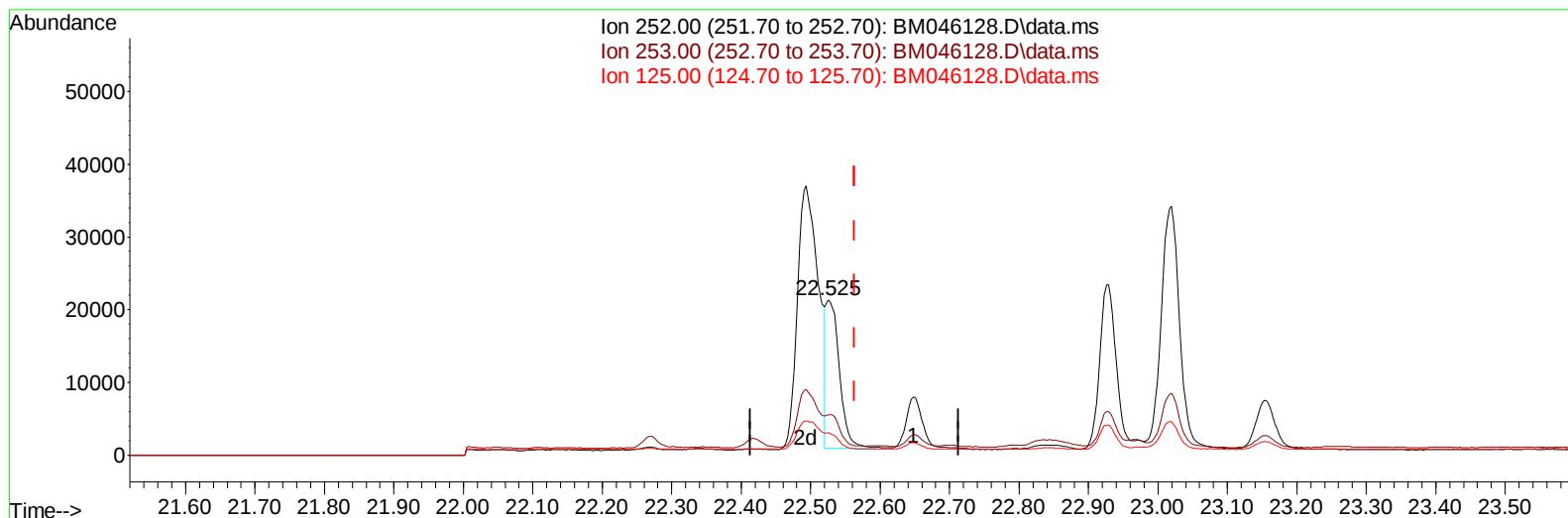
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046128.D
Acq On : 20 Jun 2024 18:10
Operator : MA/JU
Sample : P2710-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BM1

Manual IntegrationsAPPROVED

Quant Time: Jun 21 02:48:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 18 13:58:29 2024
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Supervised By :mohammad ahmed 06/24/2024



TIC: BM046128.D\data.ms

(25) Benzo(k)fluoranthene

22.525min (-0.038) 0.89 ng/u1 m

response 27684

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	25.98#
125.00	20.80	14.42#
0.00	0.00	0.00

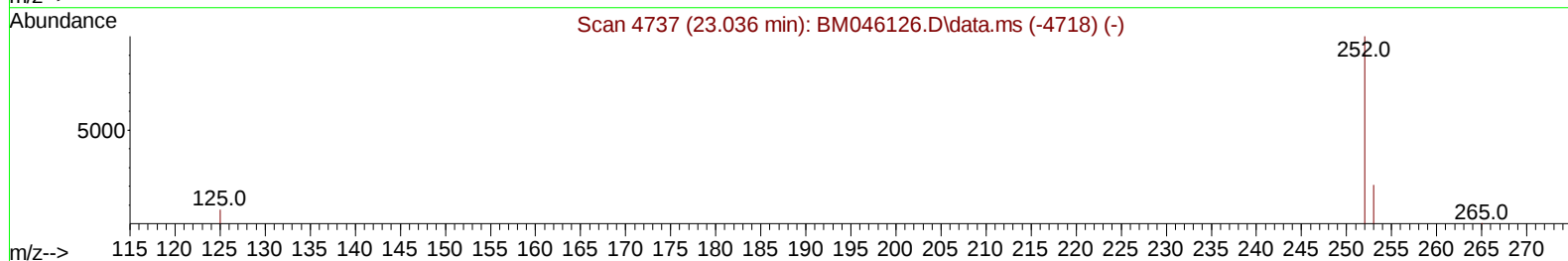
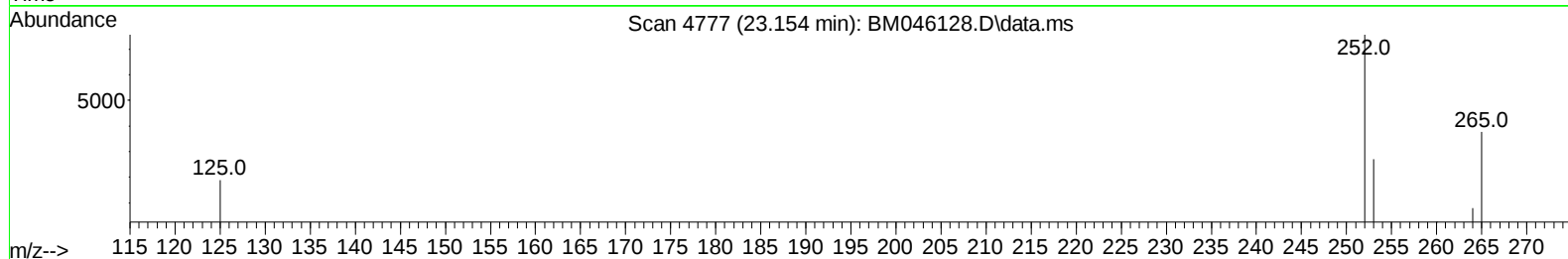
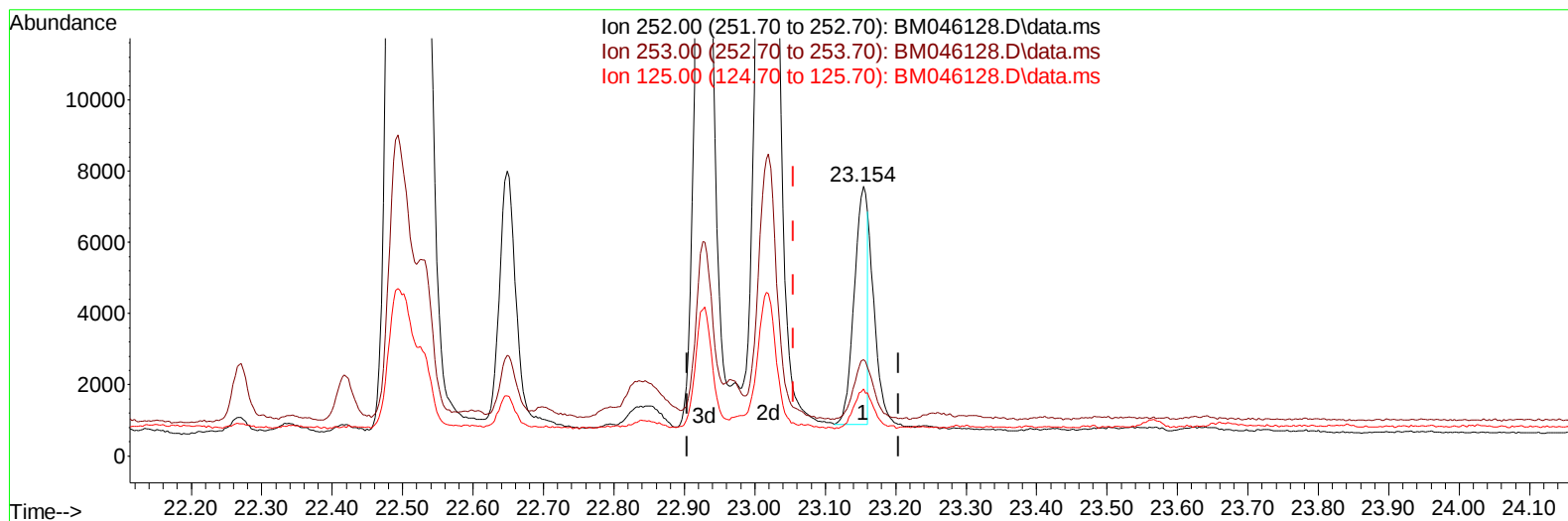
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046128.D
Acq On : 20 Jun 2024 18:10
Operator : MA/JU
Sample : P2710-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BM1

Manual IntegrationsAPPROVED

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TIC: BM046128.D\data.ms

(26) Benzo(a)pyrene (C)

23.154min (+ 0.099) 0.36 ng/u1

response 8677

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	40.10	35.71
125.00	26.50	24.87
0.00	0.00	0.00

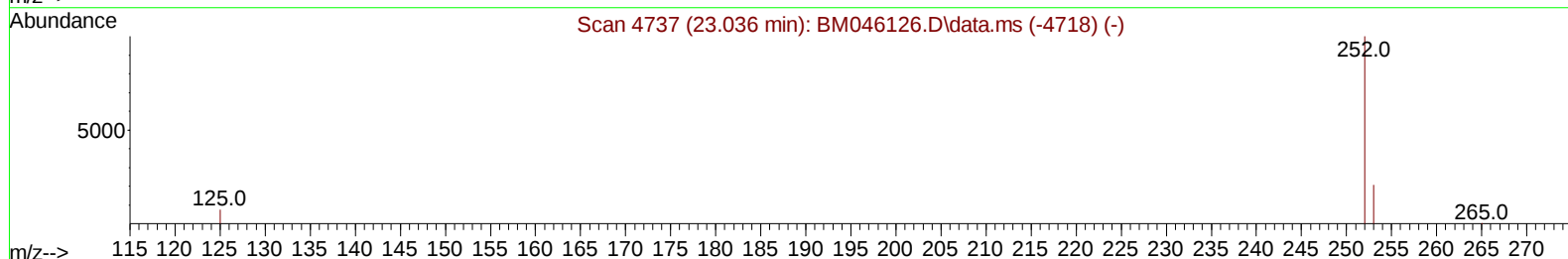
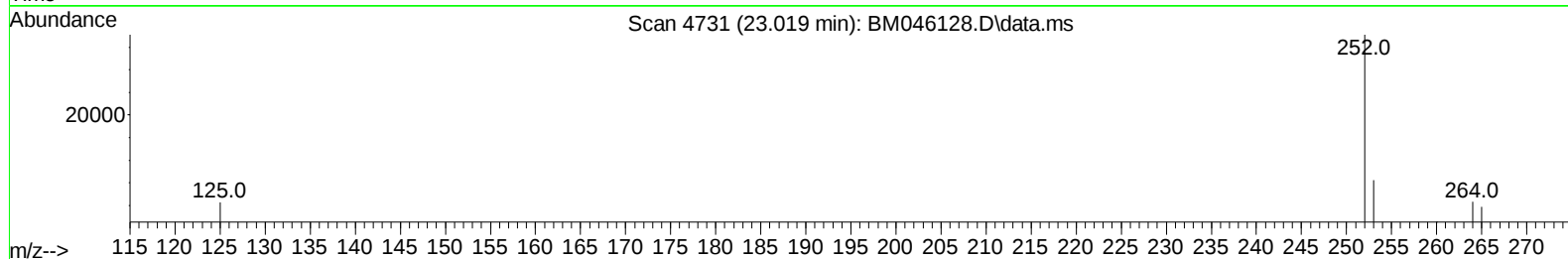
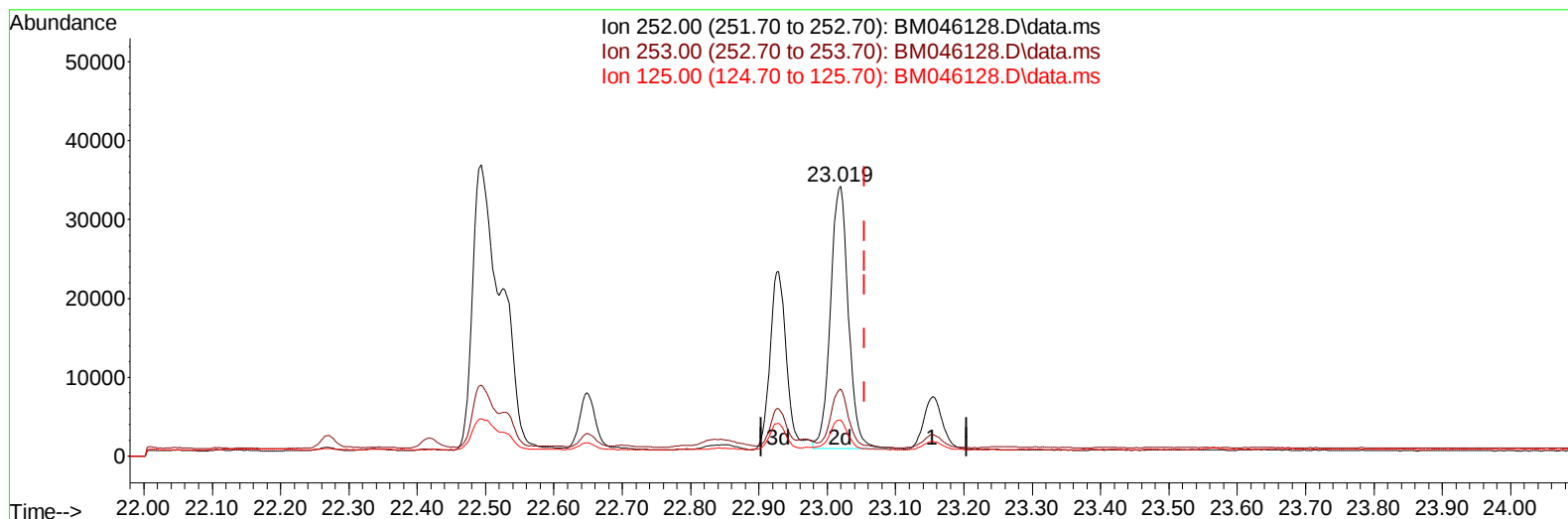
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046128.D
Acq On : 20 Jun 2024 18:10
Operator : MA/JU
Sample : P2710-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BM1

Manual IntegrationsAPPROVED

Quant Time: Jun 21 02:48:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 18 13:58:29 2024
Response via : Initial Calibration

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TIC: BM046128.D\data.ms

(26) Benzo(a)pyrene (C)

23.019min (-0.035) 2.51 ng/u1 m

response 60817

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	40.10	24.80#
125.00	26.50	13.35#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046128.D
 Acq On : 20 Jun 2024 18:10
 Operator : MA/JU
 Sample : P2710-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BM1

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 06/21/2024
 Supervised By :mohammad ahmed 06/24/2024

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.426	152		2339	0.400	ng/ul	-0.04
4) Naphthalene-d8	10.204	136		6573	0.400	ng/ul	-0.05
9) Acenaphthene-d10	14.075	164		3692	0.400	ng/ul	-0.04
13) Phenanthrene-d10	16.819	188		7610m	0.400	ng/ul	-0.04
17) Chrysene-d12	21.015	240		6440m	0.400	ng/ul	-0.03
23) Perylene-d12	23.110	264		7261m	0.400	ng/ul	-0.03
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.033	96		8164	2.544	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.843	152		1633	0.185	ng/ul	-0.02
18) Fluoranthene-d10	18.848	212		3980	0.206	ng/ul	-0.04
Target Compounds							
							Qvalue
5) Naphthalene	10.253	128		387	0.021	ng/ul#	50
10) Acenaphthylene	13.793	152		1502	0.086	ng/ul#	86
11) Acenaphthene	14.140	153		2372	0.188	ng/ul	98
12) Fluorene	15.130	166		3131	0.231	ng/ul	98
15) Phenanthrene	16.857	178		87615m	4.098	ng/ul	
16) Anthracene	16.950	178		23462m	1.473	ng/ul	
19) Fluoranthene	18.880	202		150683	5.404	ng/ul#	95
20) Pyrene	19.243	202		151113	5.011	ng/ul	95
21) Benzo(a)anthracene	21.000	228		82365m	3.311	ng/ul	
22) Chrysene	21.050	228		84187m	2.652	ng/ul	
24) Benzo(b)fluoranthene	22.493	252		76116m	2.910	ng/ul	
25) Benzo(k)fluoranthene	22.525	252		27684m	0.890	ng/ul	
26) Benzo(a)pyrene	23.019	252		60817m	2.509	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.155	276		35639	0.898	ng/ul#	88
28) Dibenzo(a,h)anthracene	25.162	278		8988	0.304	ng/ul	95
29) Benzo(g,h,i)perylene	25.783	276		32831	0.965	ng/ul	96

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

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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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