

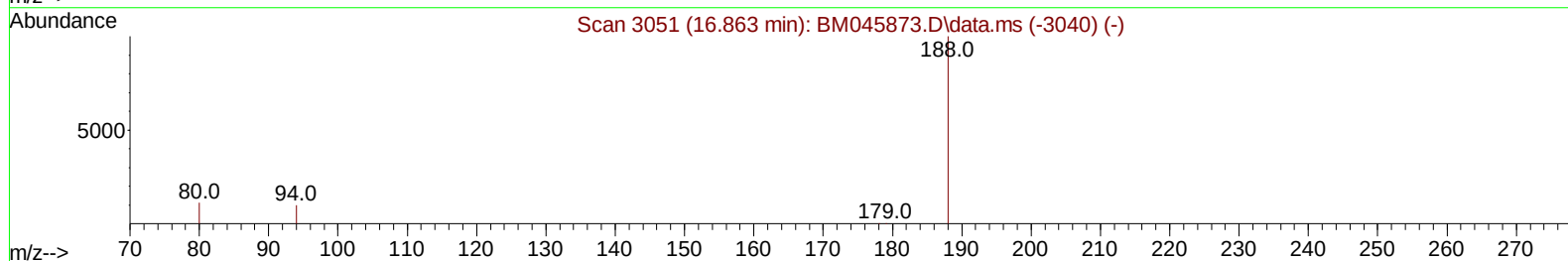
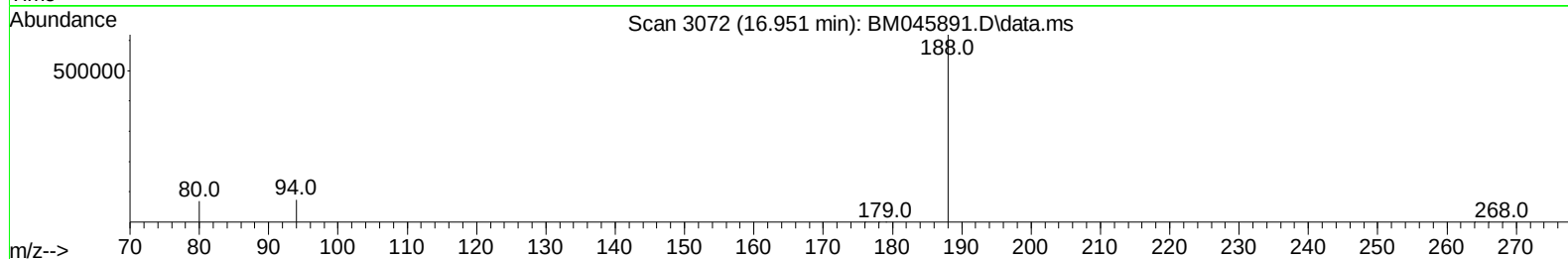
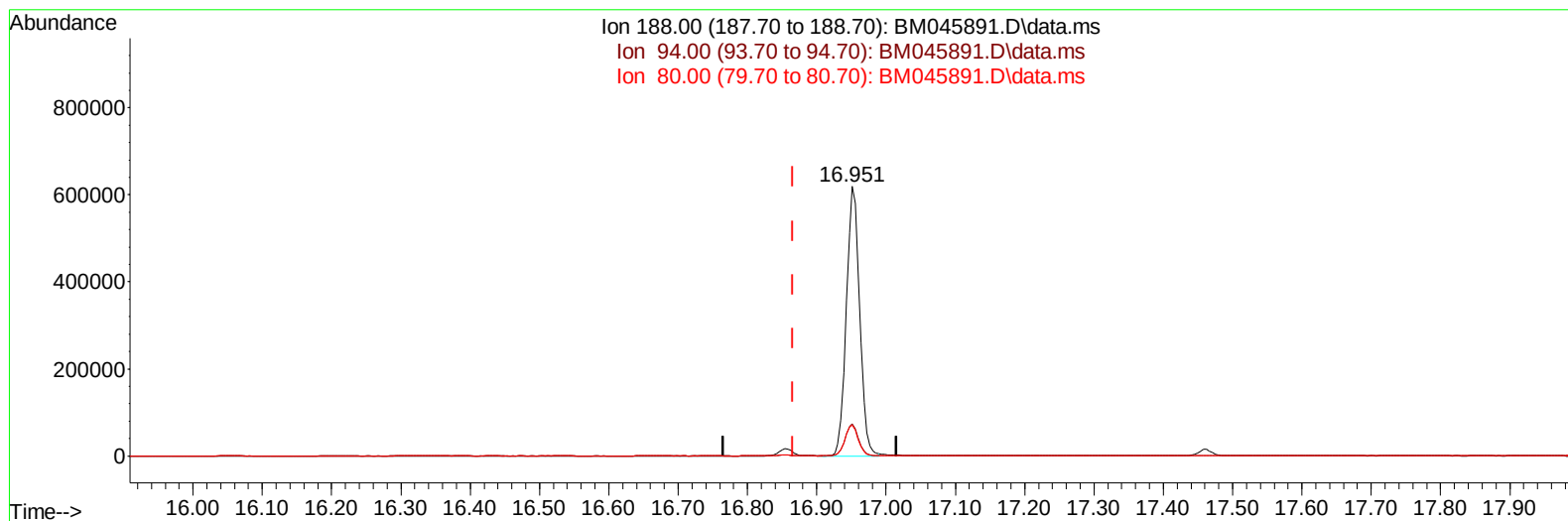
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045891.D
Acq On : 07 Jun 2024 21:43
Operator : MA/JU
Sample : P2586-16
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C31

Manual IntegrationsAPPROVED

Quant Time: Jun 07 23:02:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 22:59:16 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045891.D\data.ms

(13) Phenanthrene-d10 (I)

16.951min (+ 0.086) 0.40 ng/u1

response 834296

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	12.05
80.00	11.70	11.37
0.00	0.00	0.00

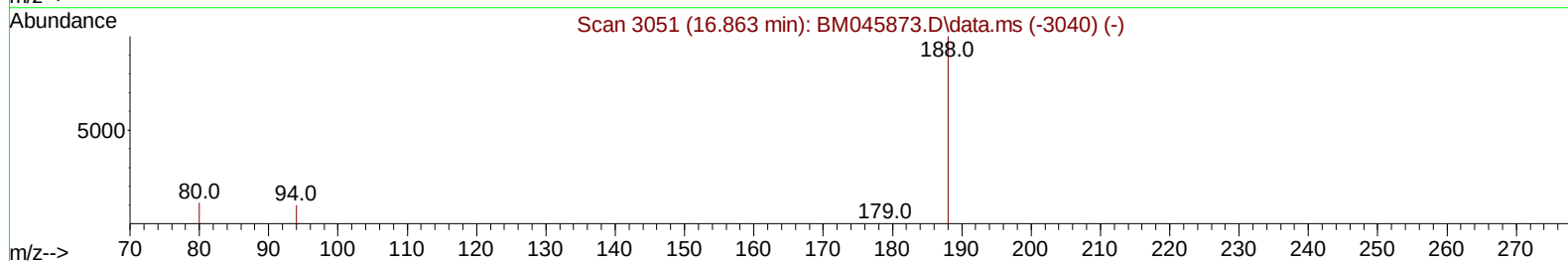
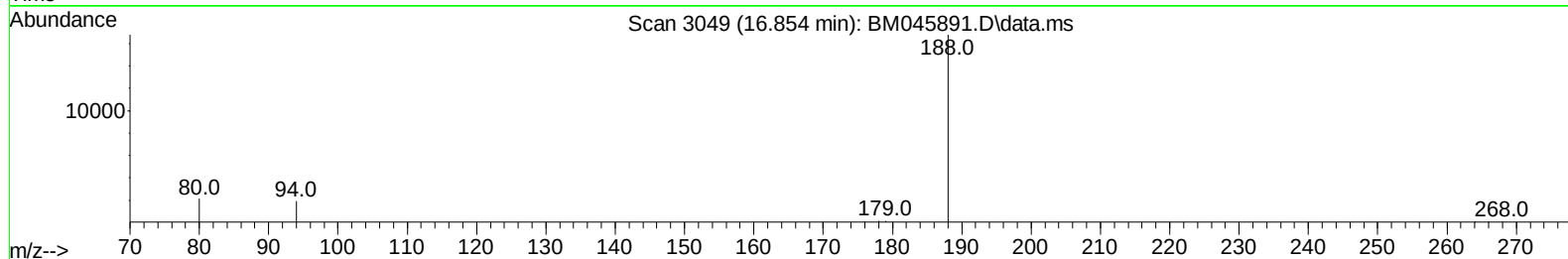
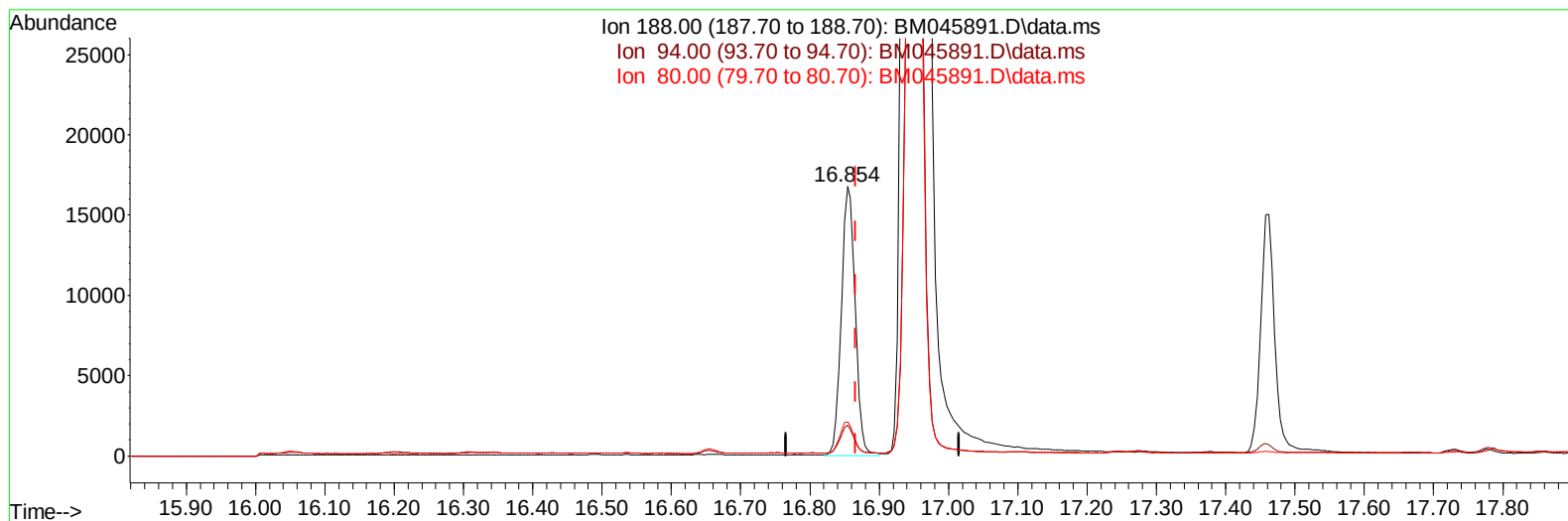
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045891.D
Acq On : 07 Jun 2024 21:43
Operator : MA/JU
Sample : P2586-16
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C31

Manual IntegrationsAPPROVED

Quant Time: Jun 07 23:02:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 22:59:16 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045891.D\data.ms

(13) Phenanthrene-d10 (I)

16.854min (-0.011) 0.40 ng/ul m

response 23202

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	11.43
80.00	11.70	12.70
0.00	0.00	0.00

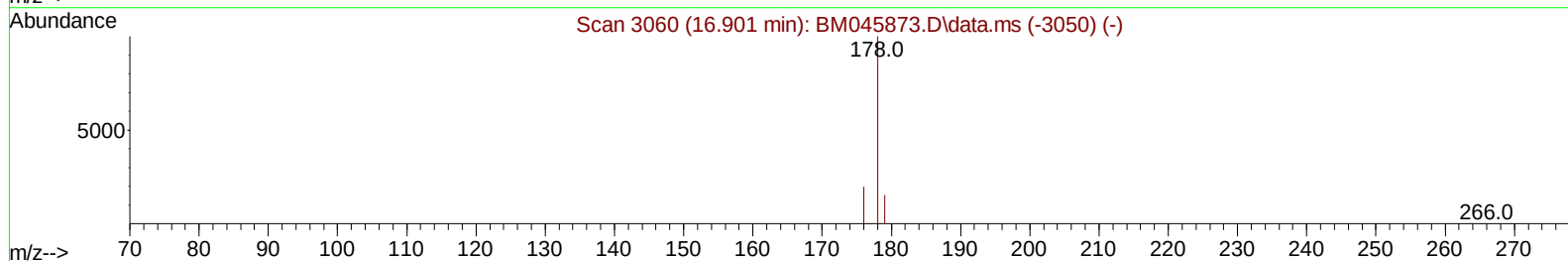
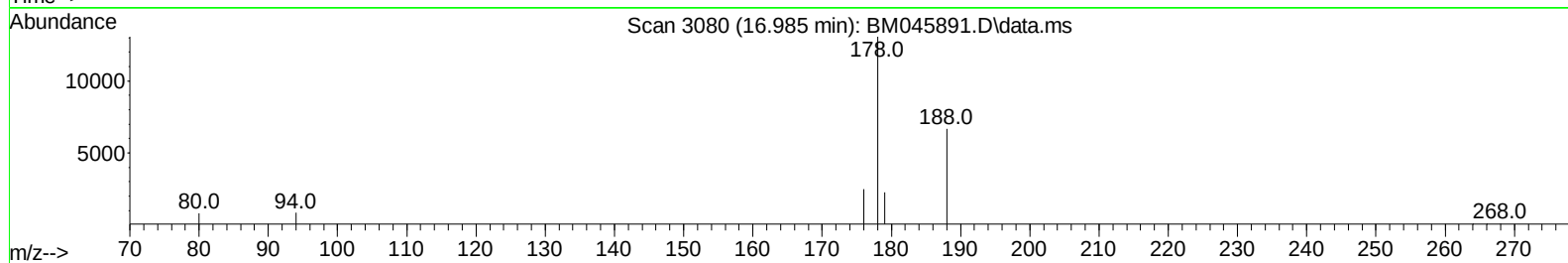
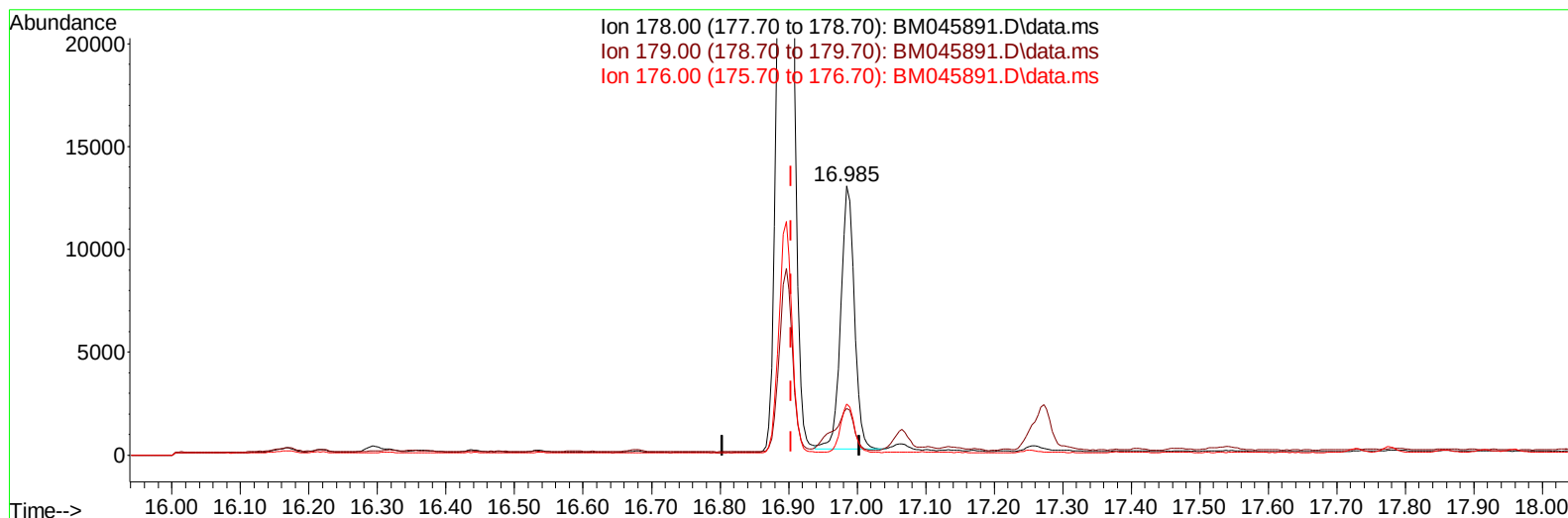
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045891.D
Acq On : 07 Jun 2024 21:43
Operator : MA/JU
Sample : P2586-16
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C31

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024

Quant Time: Jun 07 23:02:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 22:59:16 2024
Response via : Initial Calibration



TIC: BM045891.D\data.ms

(15) Phenanthrene

16.985min (+ 0.082) 0.27 ng/ul

response 17568

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	17.38
176.00	19.50	19.05
0.00	0.00	0.00

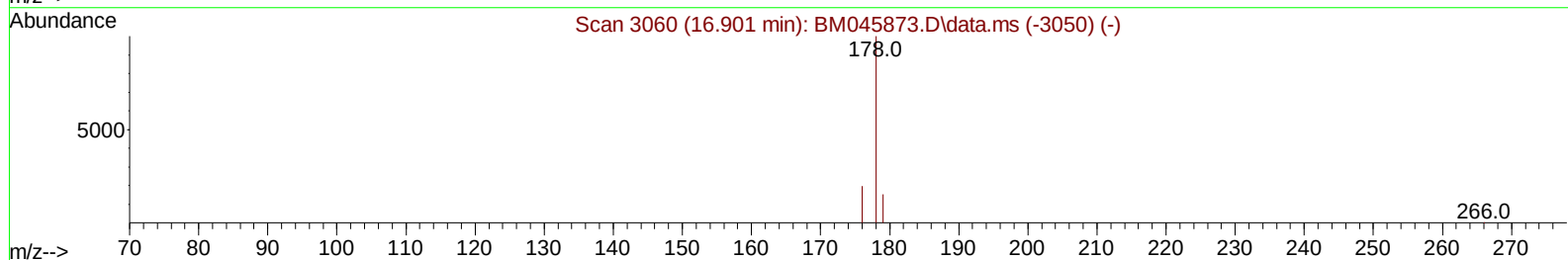
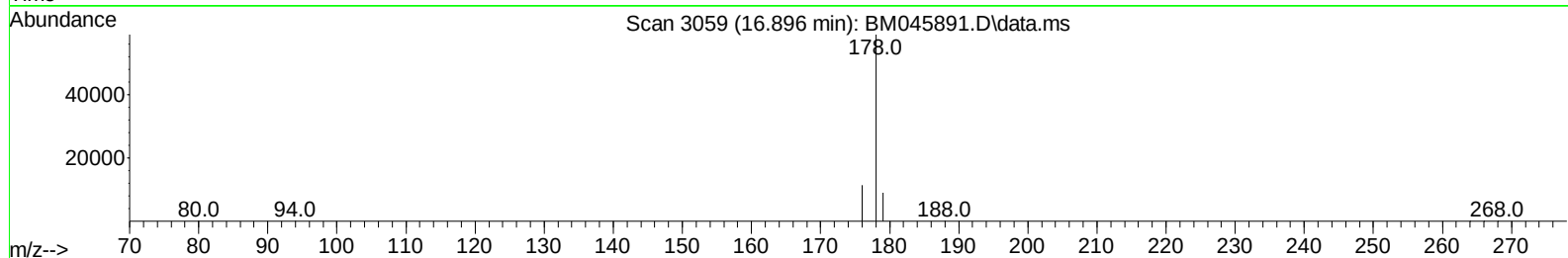
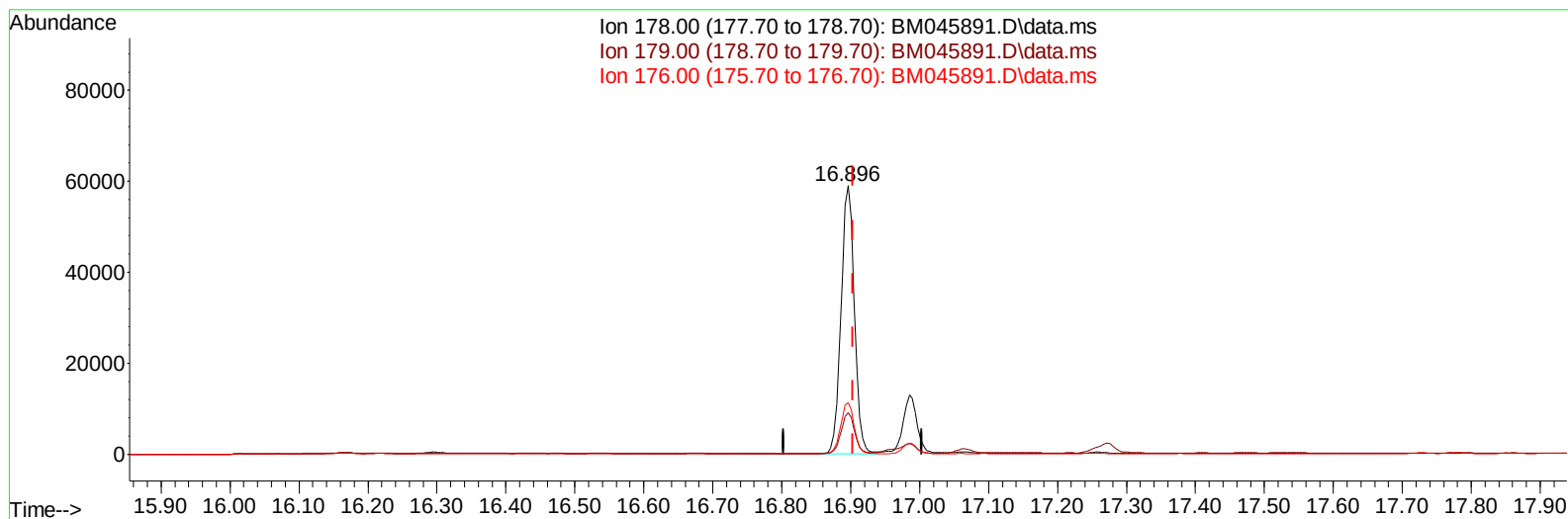
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045891.D
Acq On : 07 Jun 2024 21:43
Operator : MA/JU
Sample : P2586-16
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C31

Manual IntegrationsAPPROVED

Quant Time: Jun 07 23:02:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 22:59:16 2024
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Reviewed By :Yogesh Patel 06/08/2024
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TIC: BM045891.D\data.ms

(15) Phenanthrene

16.896min (-0.007) 1.21 ng/ul m

response 78705

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	15.39
176.00	19.50	19.26
0.00	0.00	0.00

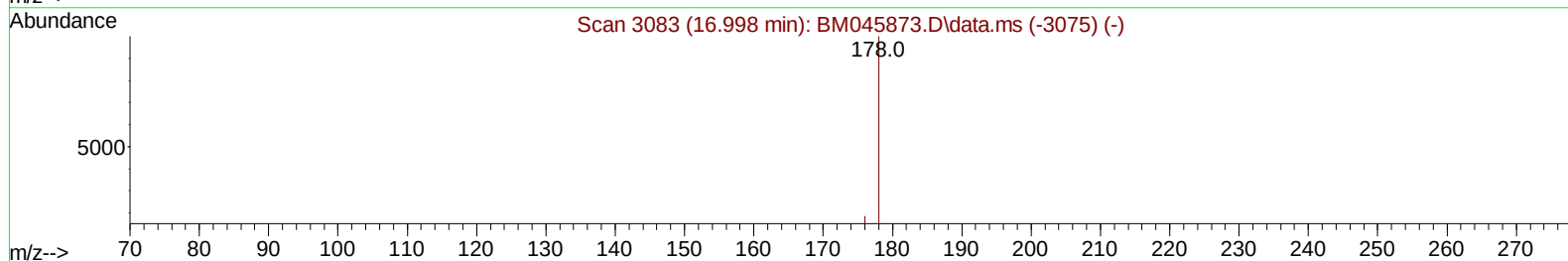
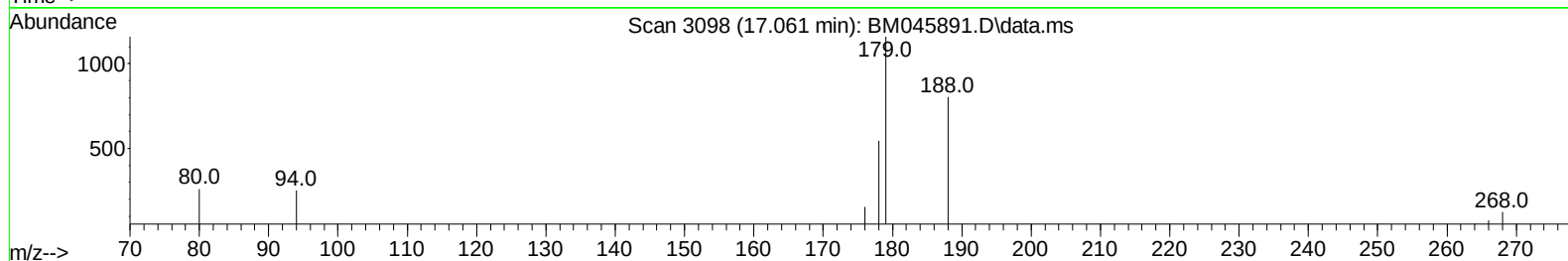
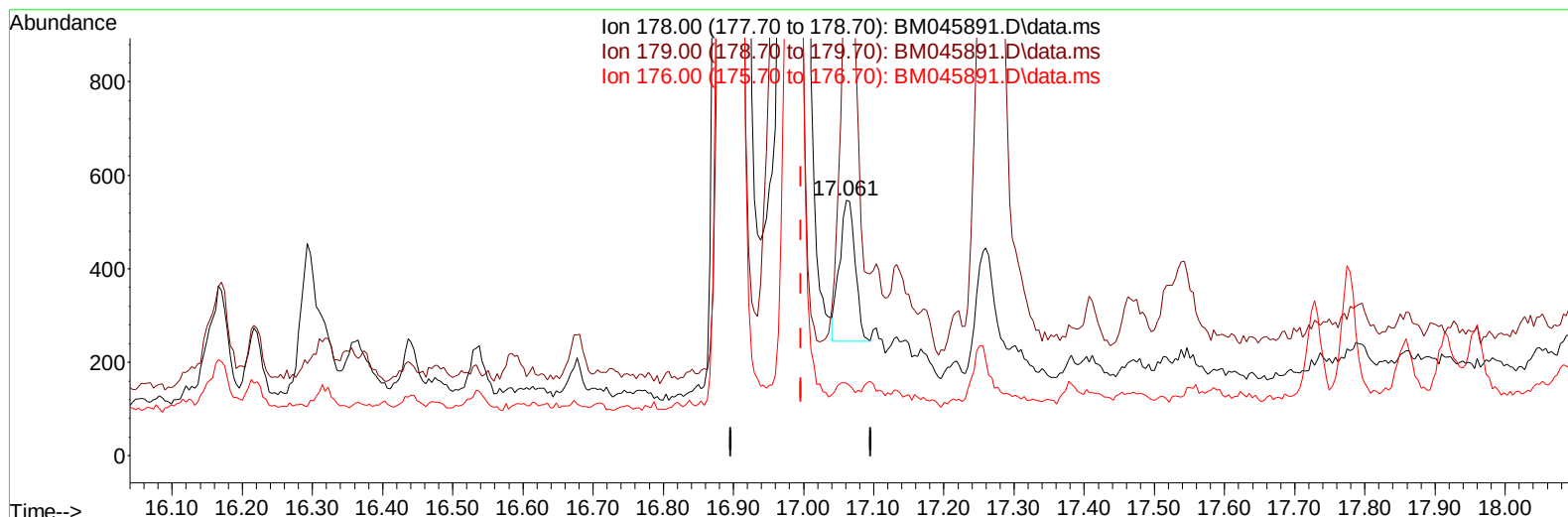
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045891.D
Acq On : 07 Jun 2024 21:43
Operator : MA/JU
Sample : P2586-16
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C31

Manual IntegrationsAPPROVED

Quant Time: Jun 07 23:02:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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TIC: BM045891.D\data.ms

(16) Anthracene

17.061min (+ 0.065) 0.01 ng/u1

response 468

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	212.27#
176.00	19.40	28.57#
0.00	0.00	0.00

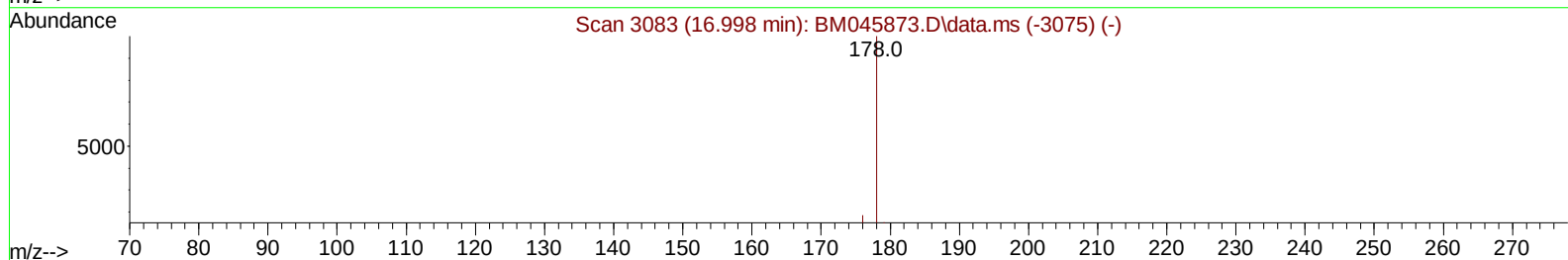
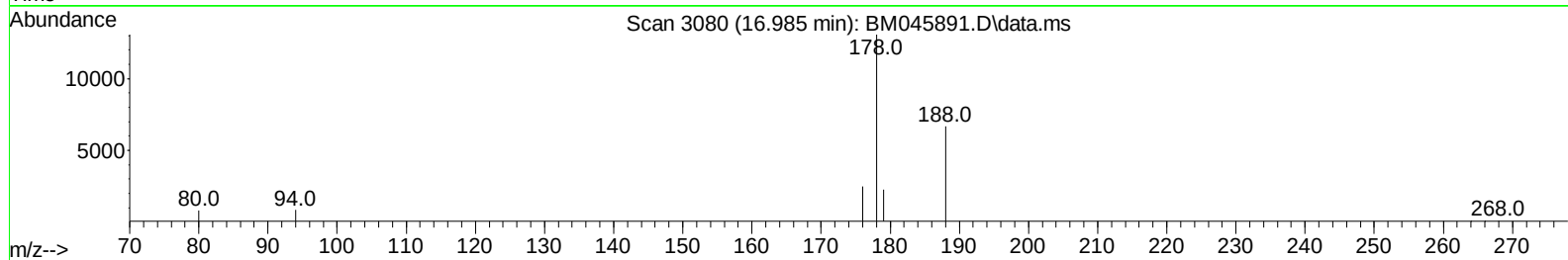
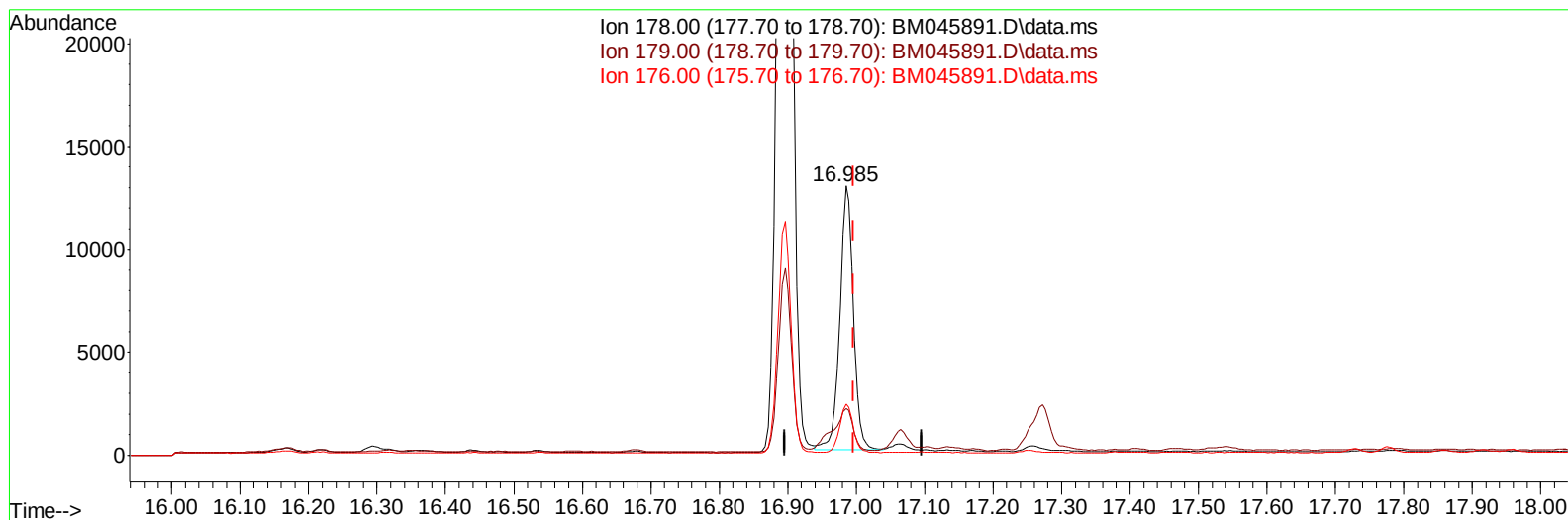
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045891.D
Acq On : 07 Jun 2024 21:43
Operator : MA/JU
Sample : P2586-16
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C31

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024

Quant Time: Jun 07 23:02:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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TIC: BM045891.D\data.ms

(16) Anthracene

16.985min (-0.011) 0.32 ng/ul m

response 17707

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	17.38
176.00	19.40	19.05
0.00	0.00	0.00

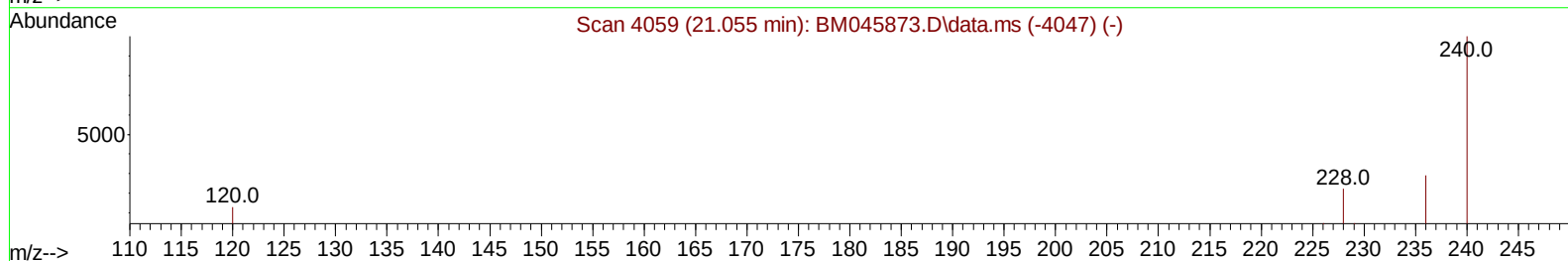
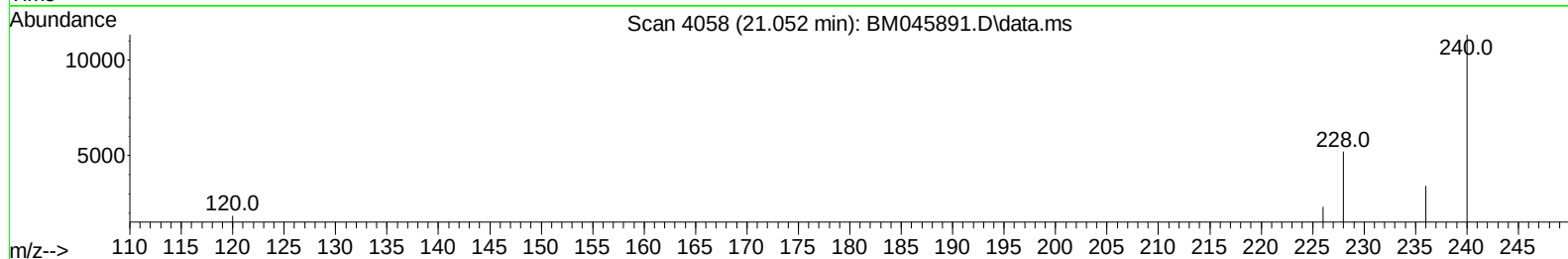
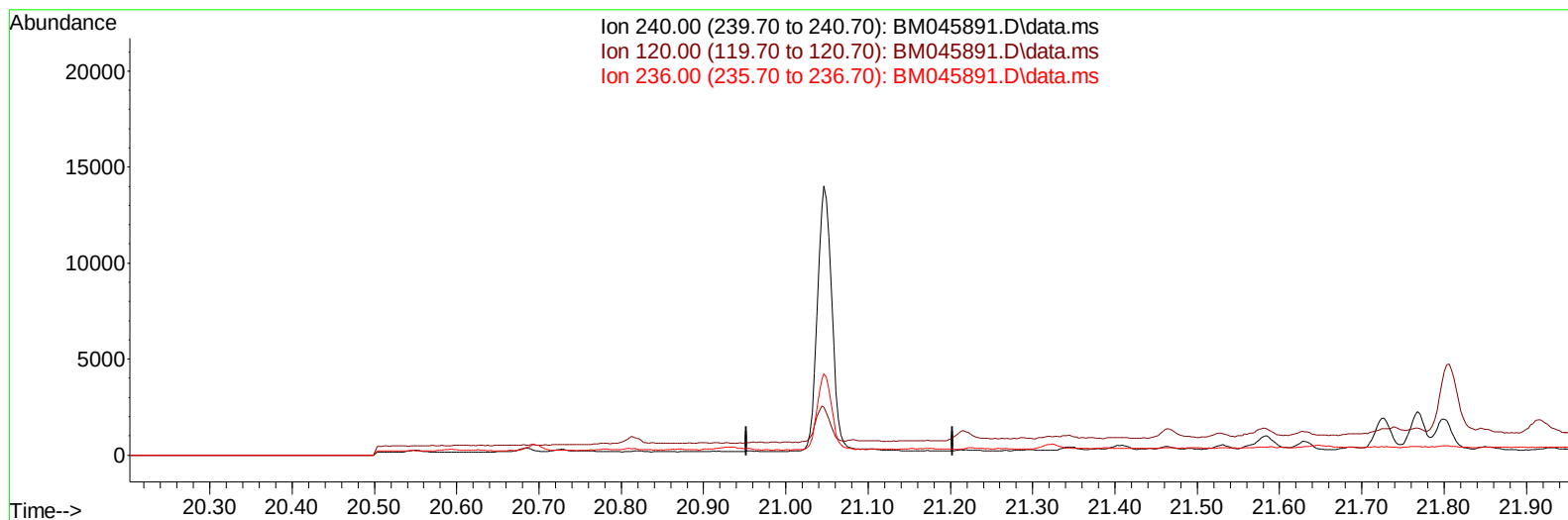
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045891.D
Acq On : 07 Jun 2024 21:43
Operator : MA/JU
Sample : P2586-16
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C31

Manual IntegrationsAPPROVED

Quant Time: Jun 07 23:02:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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TIC: BM045891.D\data.ms

(17) Chrysene-d12

21.053min (-21.053) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	16.10	0.00#
236.00	29.50	0.00#
0.00	0.00	0.00

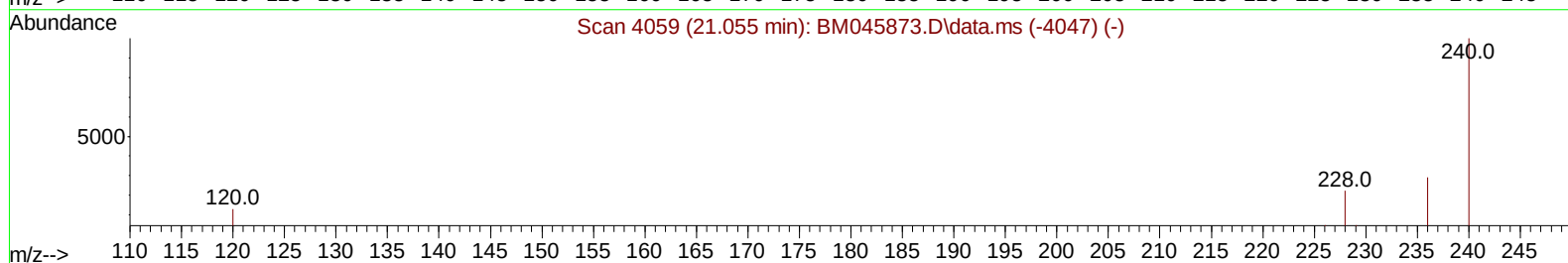
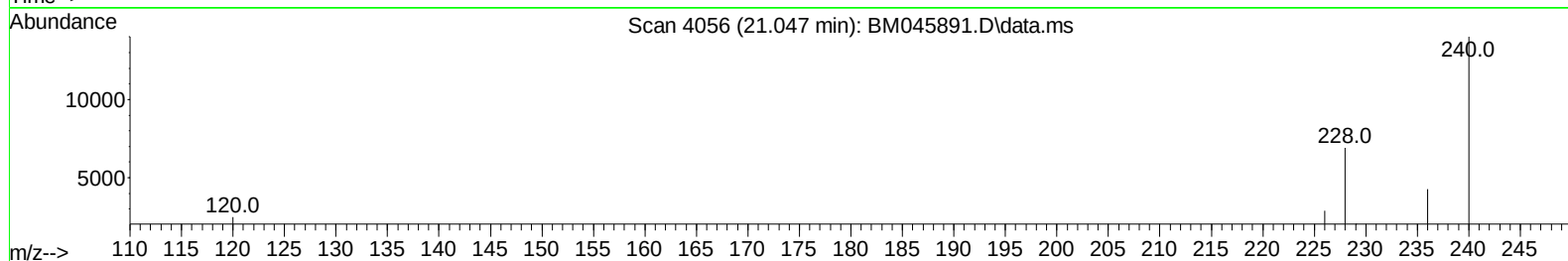
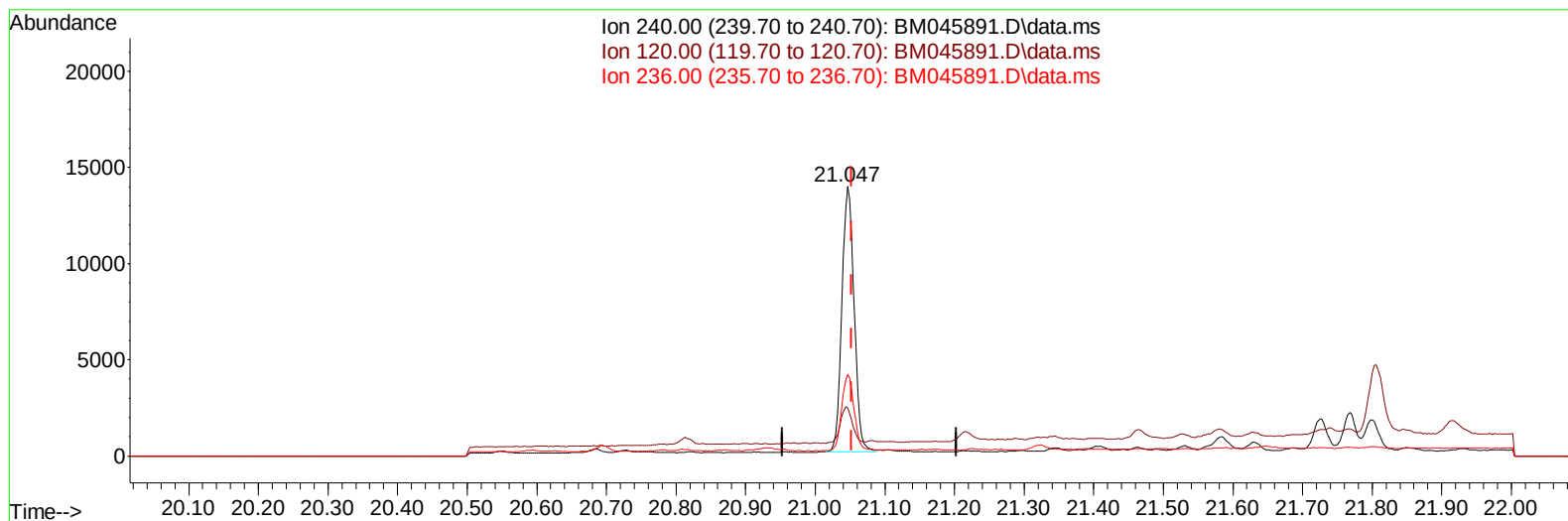
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045891.D
Acq On : 07 Jun 2024 21:43
Operator : MA/JU
Sample : P2586-16
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C31

Manual IntegrationsAPPROVED

Quant Time: Jun 07 23:02:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 22:59:16 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045891.D\data.ms

(17) Chrysene-d12

21.047min (-0.006) 0.40 ng/ul m

response 16858

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.10	17.71
236.00	29.50	30.42
0.00	0.00	0.00

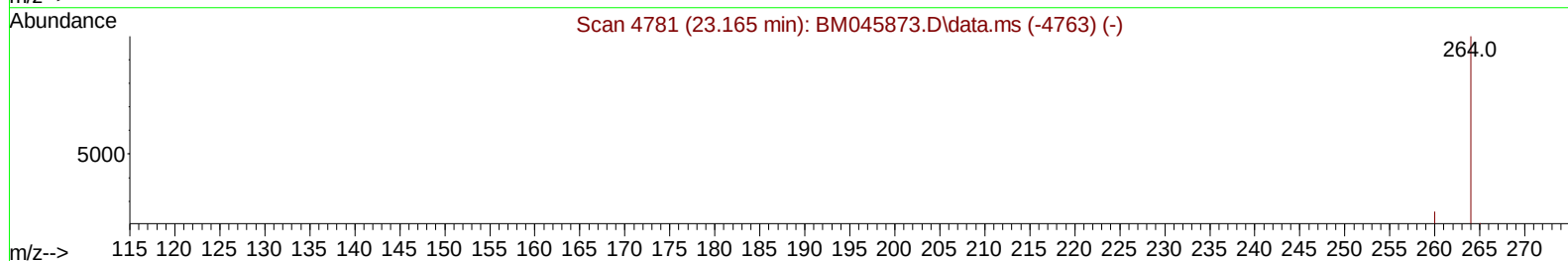
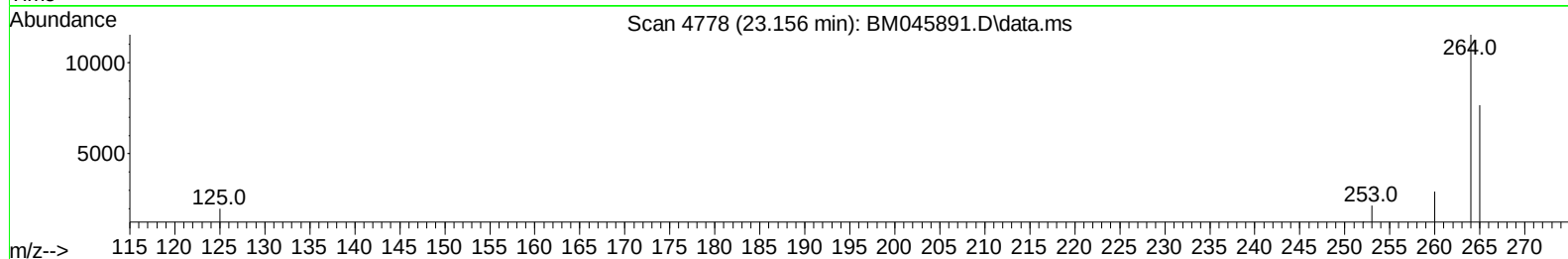
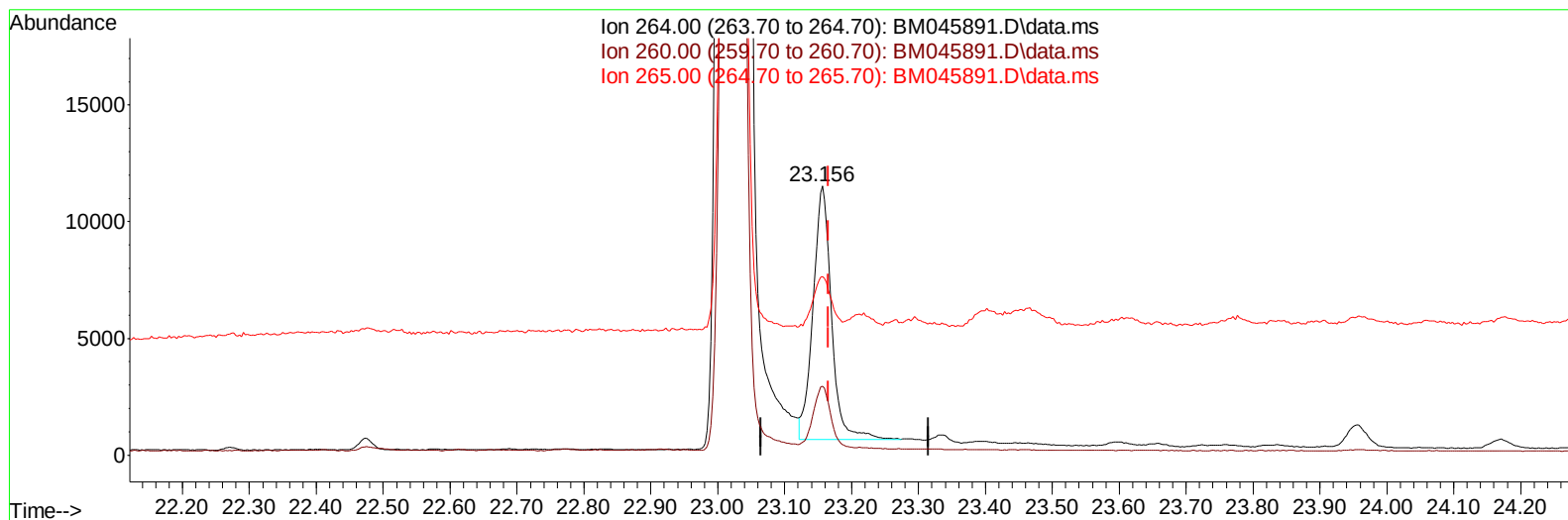
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045891.D
Acq On : 07 Jun 2024 21:43
Operator : MA/JU
Sample : P2586-16
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C31

Manual IntegrationsAPPROVED

Quant Time: Jun 07 23:02:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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Supervised By :mohammad ahmed 06/13/2024



TIC: BM045891.D\data.ms

(23) Perylene-d12 (I)

23.156min (-0.009) 0.40 ng/u1

response 20790

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	25.50
265.00	76.60	66.46
0.00	0.00	0.00

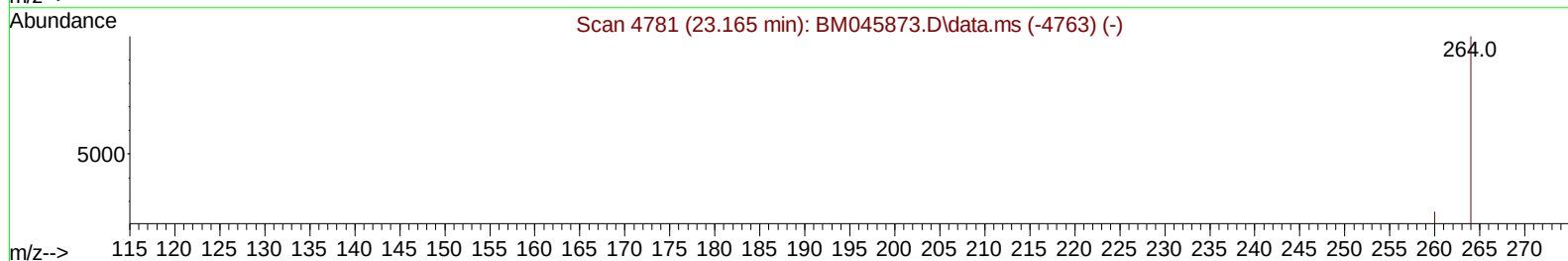
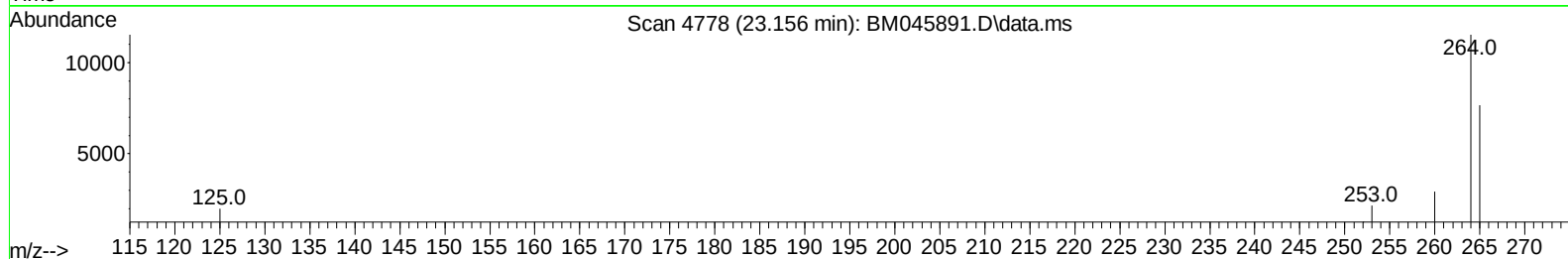
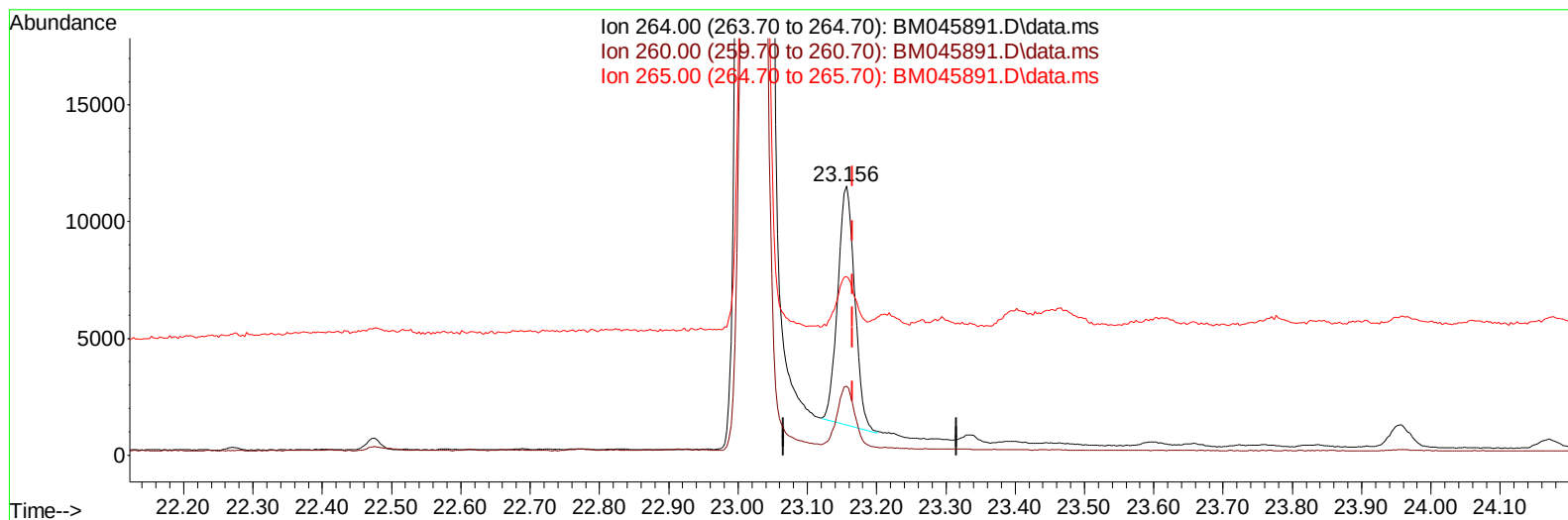
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045891.D
Acq On : 07 Jun 2024 21:43
Operator : MA/JU
Sample : P2586-16
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C31

Manual IntegrationsAPPROVED

Quant Time: Jun 07 23:02:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BM045891.D\data.ms

(23) Perylene-d12 (I)

23.156min (-0.009) 0.40 ng/ul m

response 17389

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	25.50
265.00	76.60	66.46
0.00	0.00	0.00

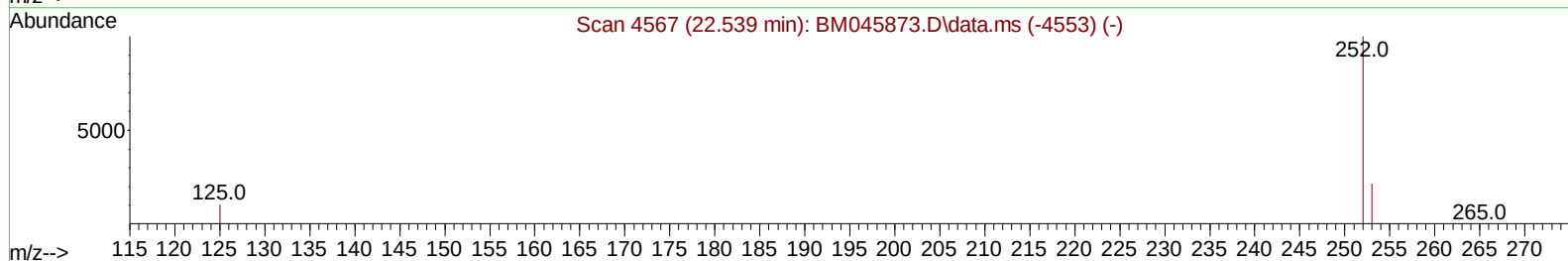
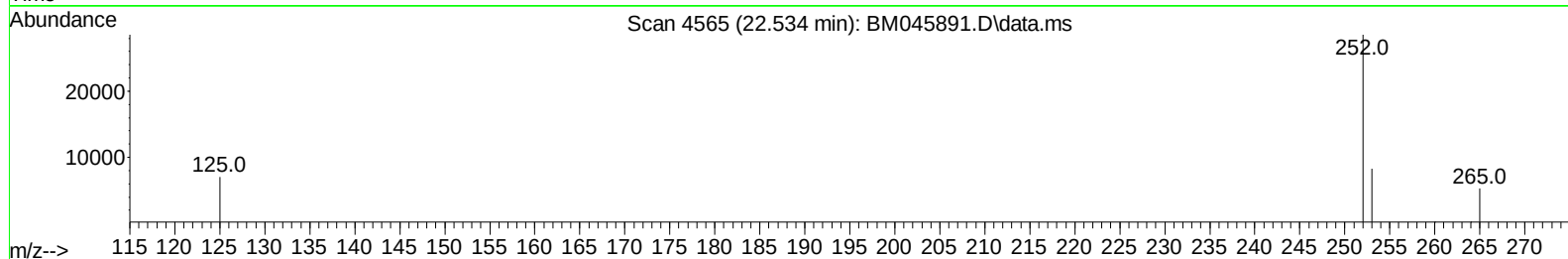
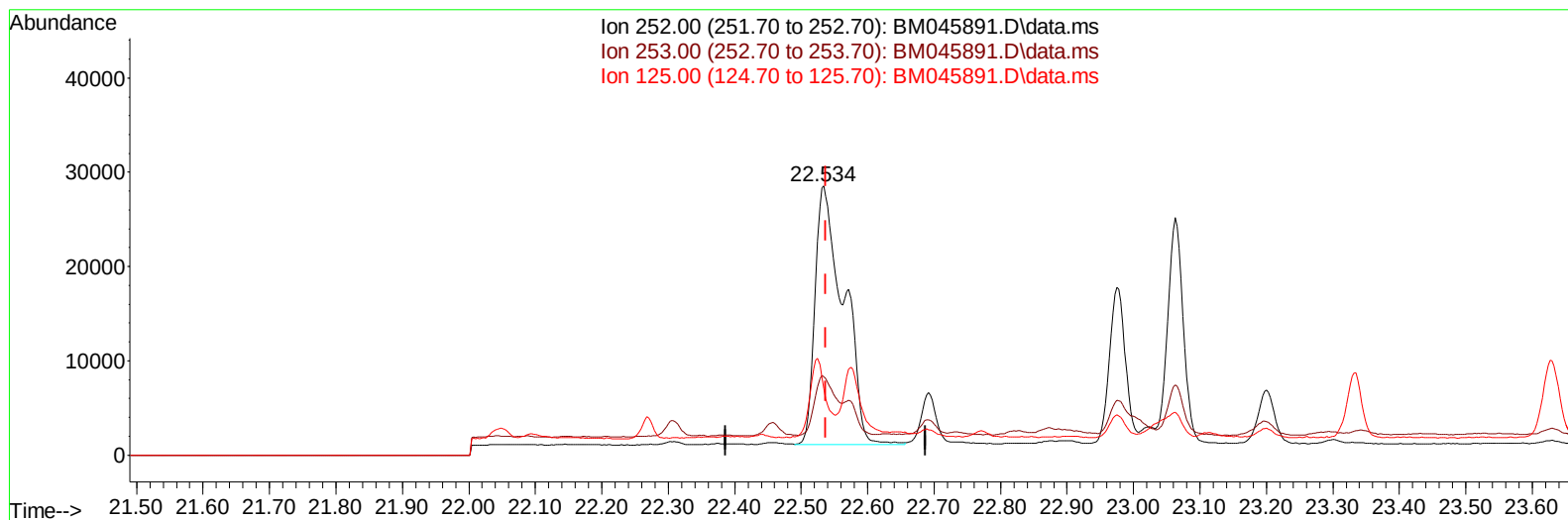
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045891.D
Acq On : 07 Jun 2024 21:43
Operator : MA/JU
Sample : P2586-16
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
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A4C31

Manual IntegrationsAPPROVED

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TIC: BM045891.D\data.ms

(24) Benzo(b)fluoranthene

22.534min (-0.003) 1.41 ng/u1

response 81195

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	29.02
125.00	17.90	24.67
0.00	0.00	0.00

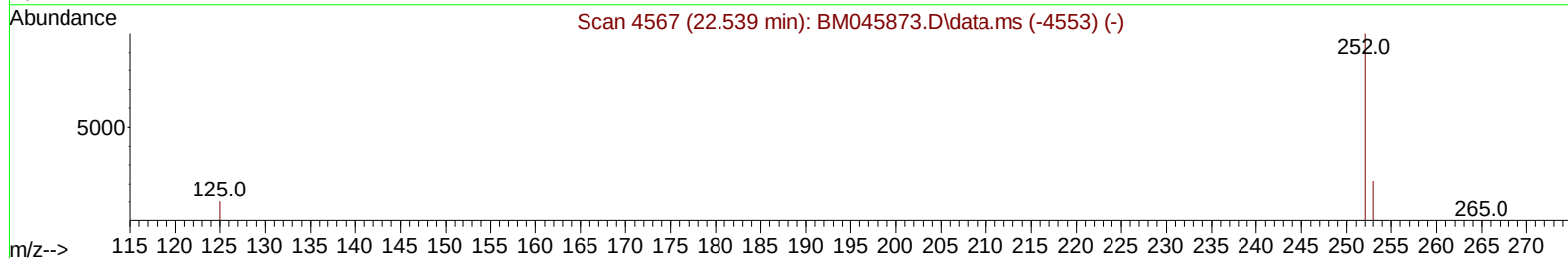
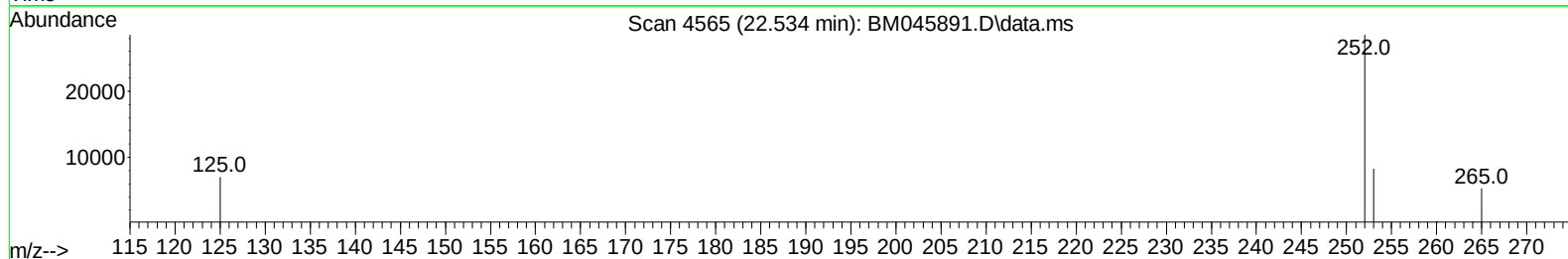
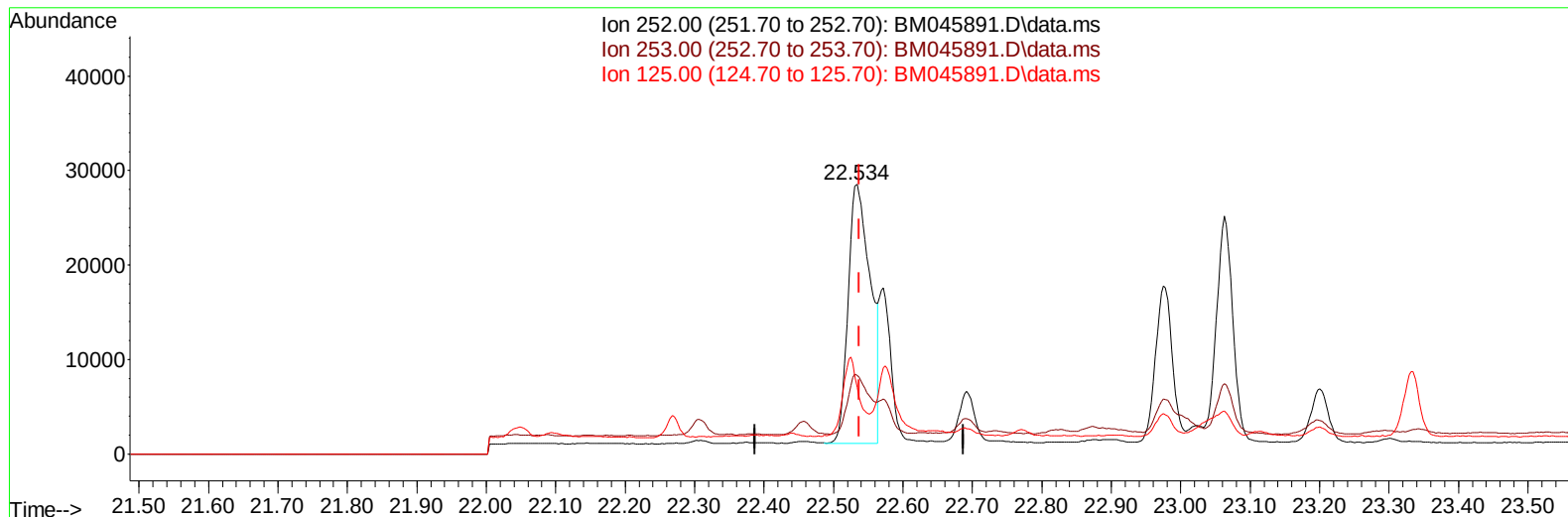
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045891.D
Acq On : 07 Jun 2024 21:43
Operator : MA/JU
Sample : P2586-16
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C31

Manual IntegrationsAPPROVED

Quant Time: Jun 07 23:02:08 2024
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Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045891.D\data.ms

(24) Benzo(b)fluoranthene

22.534min (-0.003) 1.06 ng/ul m

response 61134

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	29.02
125.00	17.90	24.67
0.00	0.00	0.00

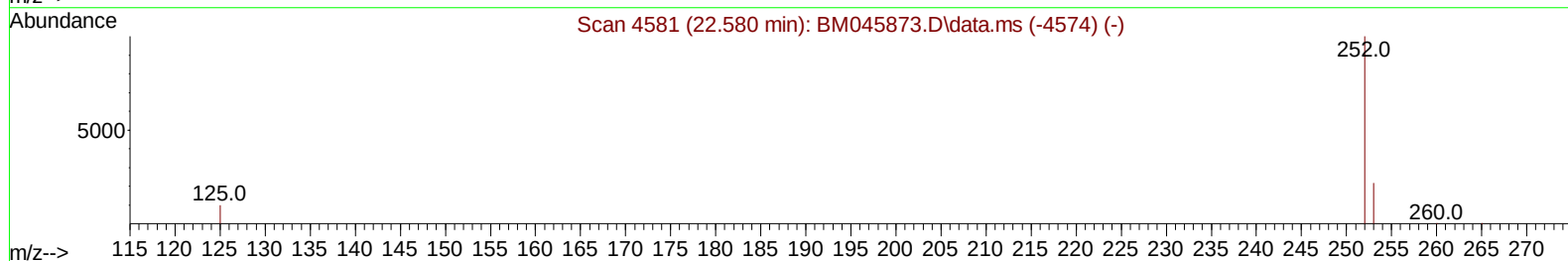
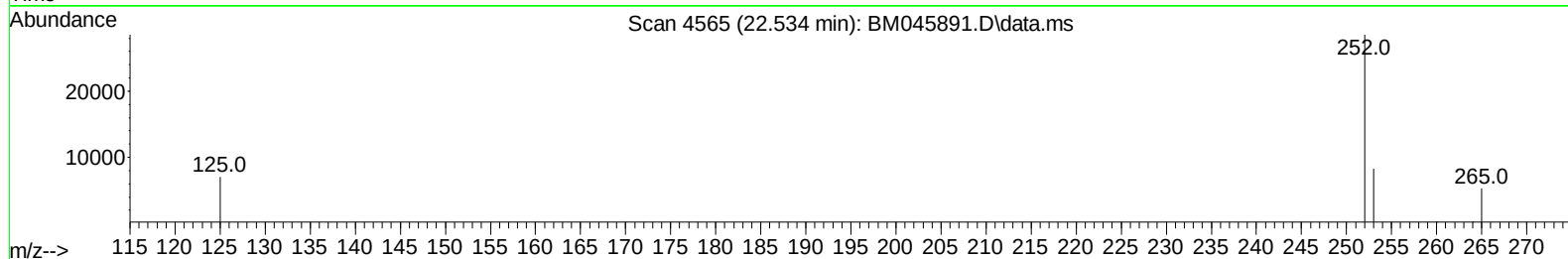
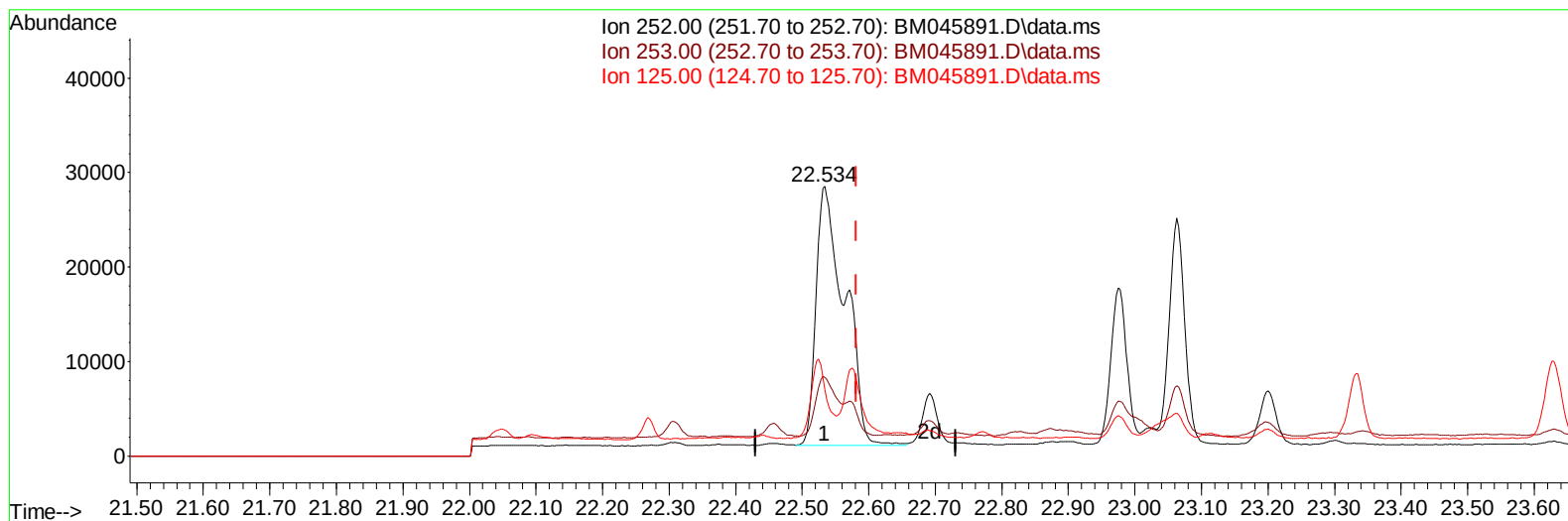
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045891.D
Acq On : 07 Jun 2024 21:43
Operator : MA/JU
Sample : P2586-16
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C31

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045891.D\data.ms

(25) Benzo(k)fluoranthene

22.534min (-0.047) 1.28 ng/u1

response 81195

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	29.02
125.00	17.70	24.67#
0.00	0.00	0.00

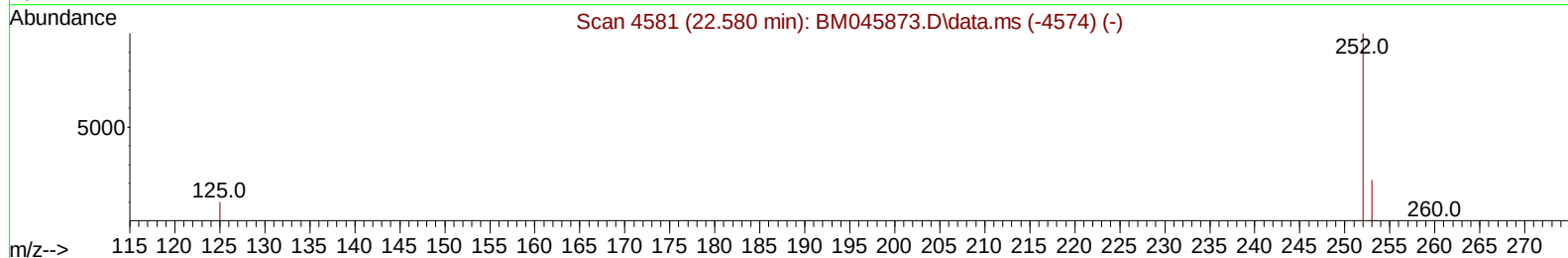
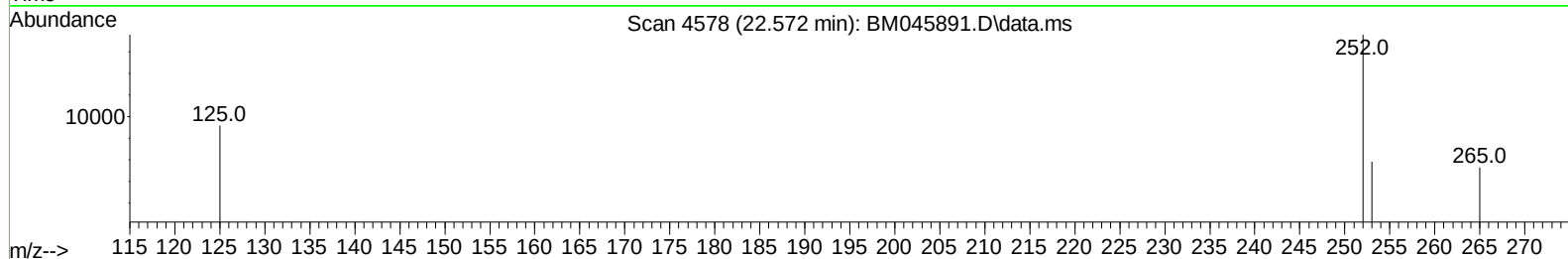
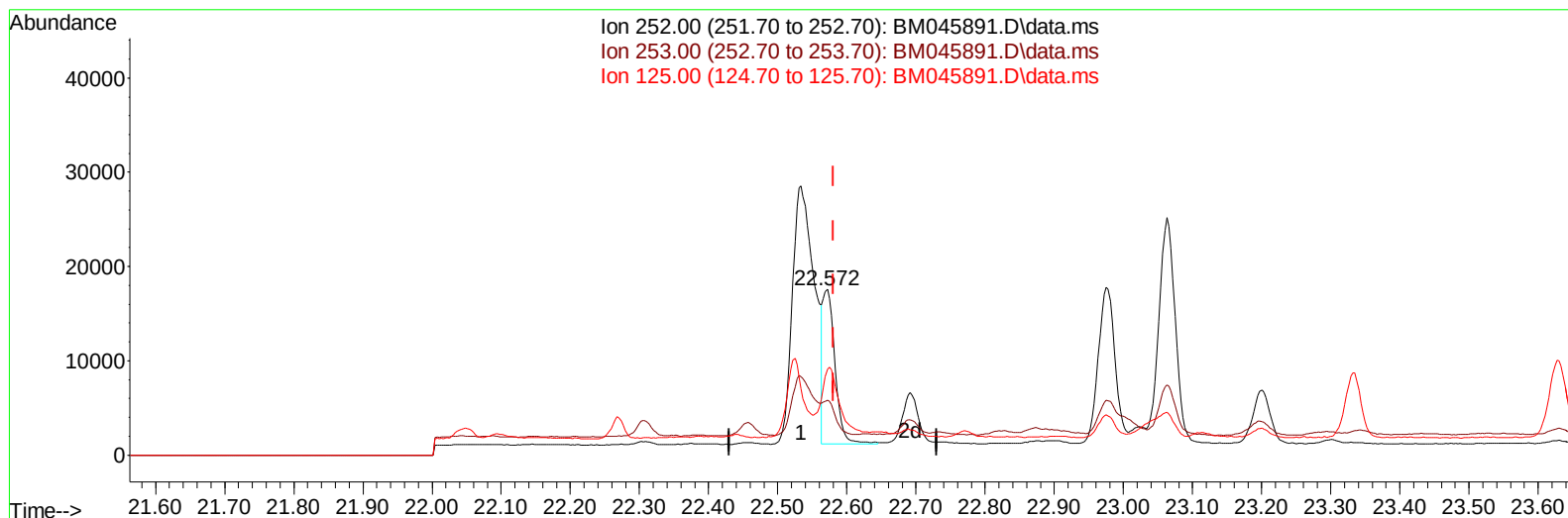
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045891.D
Acq On : 07 Jun 2024 21:43
Operator : MA/JU
Sample : P2586-16
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C31

Manual IntegrationsAPPROVED

Quant Time: Jun 07 23:02:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 22:59:16 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045891.D\data.ms

(25) Benzo(k)fluoranthene

22.572min (-0.009) 0.32 ng/ul m

response 20119

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	33.03
125.00	17.70	52.01#
0.00	0.00	0.00

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.468	152		6732	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.238	136		22787	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.114	164		11609	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.854	188		23202m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.047	240		16858m	0.400	ng/ul	0.00
23) Perylene-d12	23.156	264		17389m	0.400	ng/ul	0.00
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.059	96		21827	2.847	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.833	152		6176	0.188	ng/ul	-0.02
18) Fluoranthene-d10	18.886	212		10583	0.210	ng/ul	0.00
Target Compounds							Qvalue
8) 1-Methylnaphthalene	12.130	142		906	0.022	ng/ul	99
10) Acenaphthylene	13.831	152		2215	0.042	ng/ul#	85
11) Acenaphthene	14.178	153		3675	0.095	ng/ul	98
12) Fluorene	15.164	166		4483	0.103	ng/ul#	98
15) Phenanthrene	16.896	178		78705m	1.208	ng/ul	
16) Anthracene	16.985	178		17707m	0.319	ng/ul	
19) Fluoranthene	18.914	202		125769	1.871	ng/ul	100
20) Pyrene	19.281	202		102095	1.456	ng/ul	96
21) Benzo(a)anthracene	21.032	228		51817	0.837	ng/ul	98
22) Chrysene	21.082	228		49074	0.728	ng/ul	98
24) Benzo(b)fluoranthene	22.534	252		61134m	1.060	ng/ul	
25) Benzo(k)fluoranthene	22.572	252		20119m	0.317	ng/ul	
26) Benzo(a)pyrene	23.063	252		39475	0.688	ng/ul	90
27) Indeno(1,2,3-cd)pyrene	25.222	276		28173	0.380	ng/ul#	97
28) Dibenzo(a,h)anthracene	25.225	278		6796	0.115	ng/ul#	42
29) Benzo(g,h,i)perylene	25.853	276		28499	0.446	ng/ul	99

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

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