

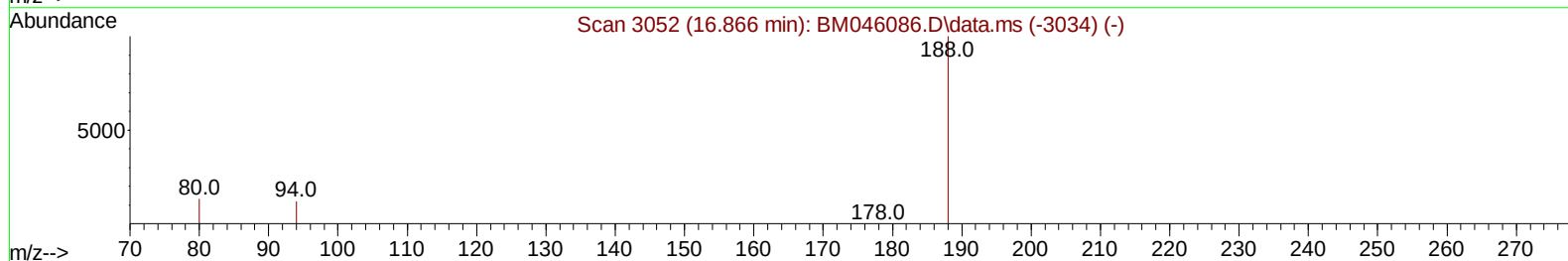
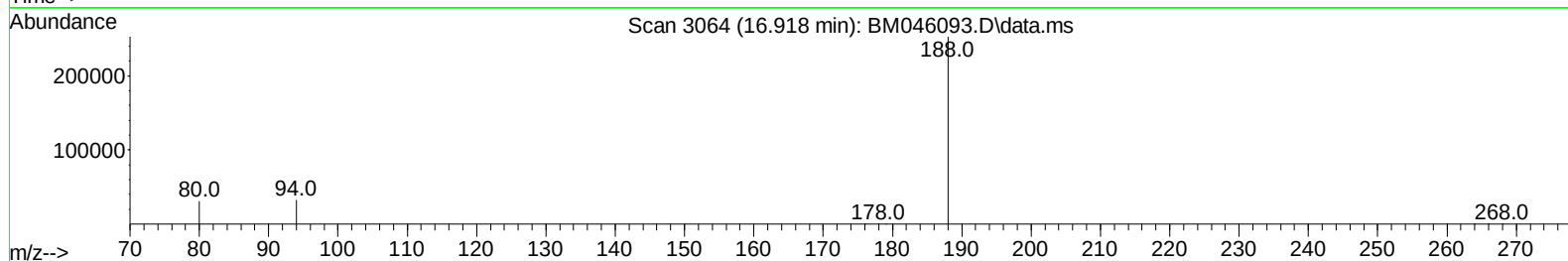
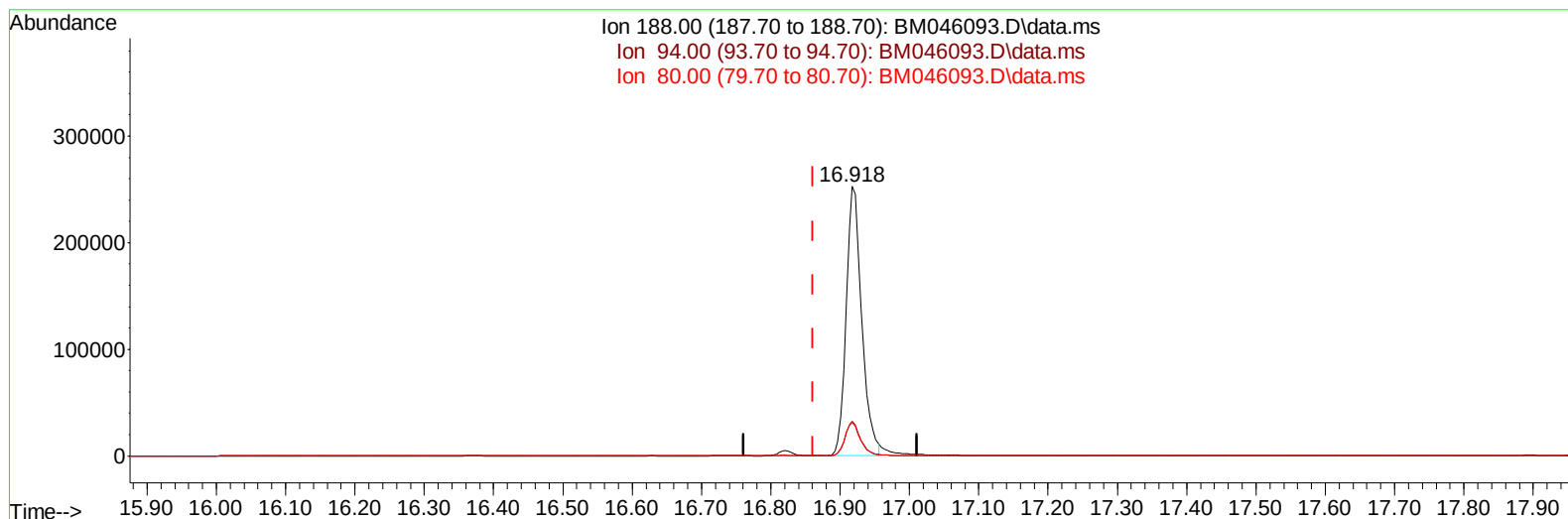
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046093.D
Acq On : 19 Jun 2024 19:27
Operator : MA/JU
Sample : P2695-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK2

Manual IntegrationsAPPROVED

Quant Time: Jun 19 22:50:06 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 06/20/2024
Supervised By :mohammad ahmed 06/21/2024



TIC: BM046093.D\data.ms

(13) Phenanthrene-d10 (I)

16.918min (+ 0.056) 0.40 ng/u1

response 396005

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.87
80.00	15.20	12.33
0.00	0.00	0.00

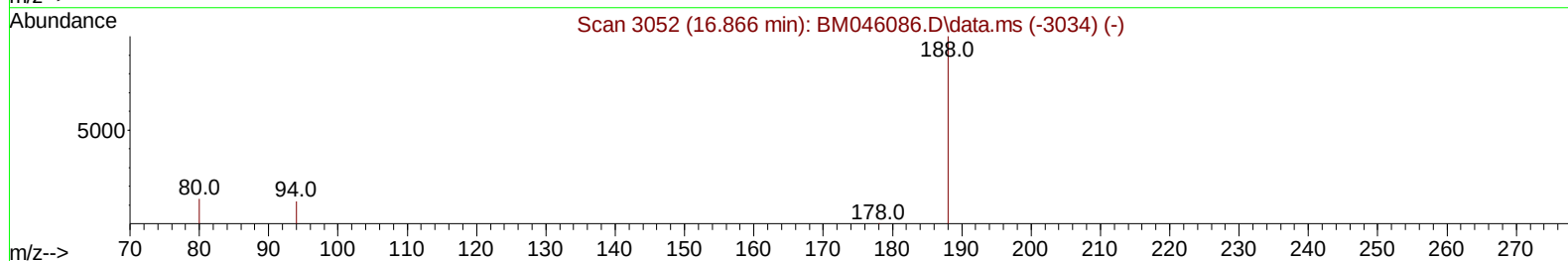
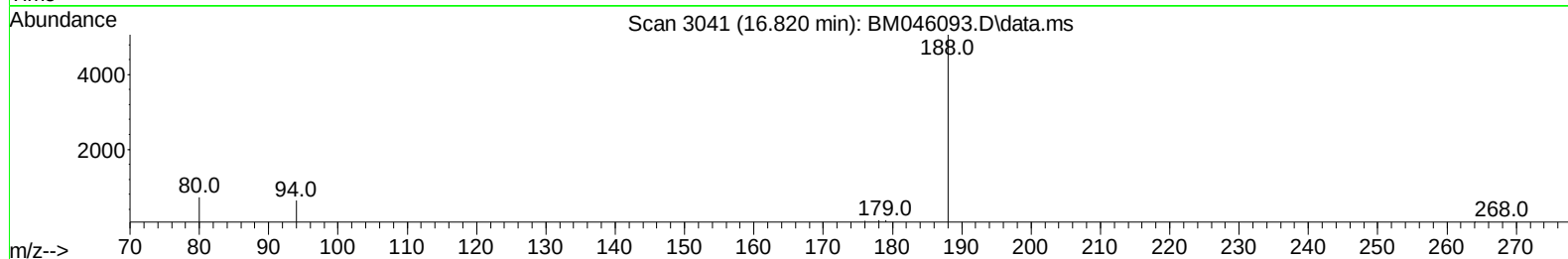
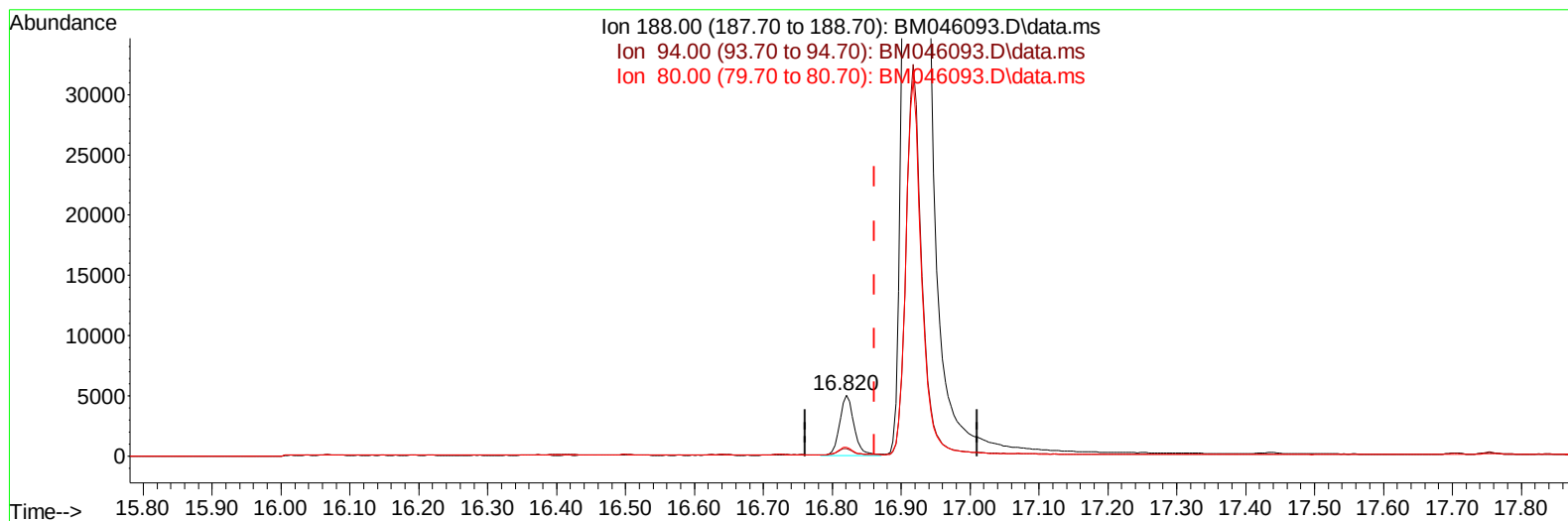
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046093.D
Acq On : 19 Jun 2024 19:27
Operator : MA/JU
Sample : P2695-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK2

Manual IntegrationsAPPROVED

Quant Time: Jun 19 22:50:06 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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Reviewed By :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024



TIC: BM046093.D\data.ms

(13) Phenanthrene-d10 (I)

16.820min (-0.041) 0.40 ng/ul m

response 7201

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.45
80.00	15.20	14.23
0.00	0.00	0.00

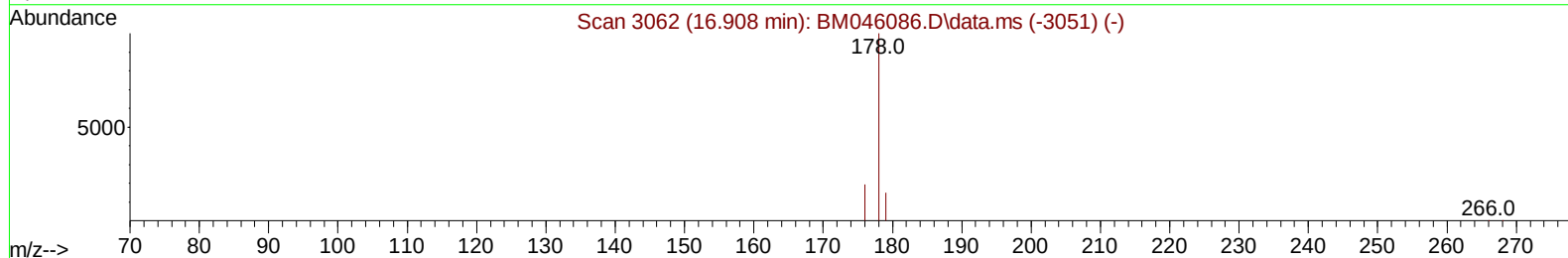
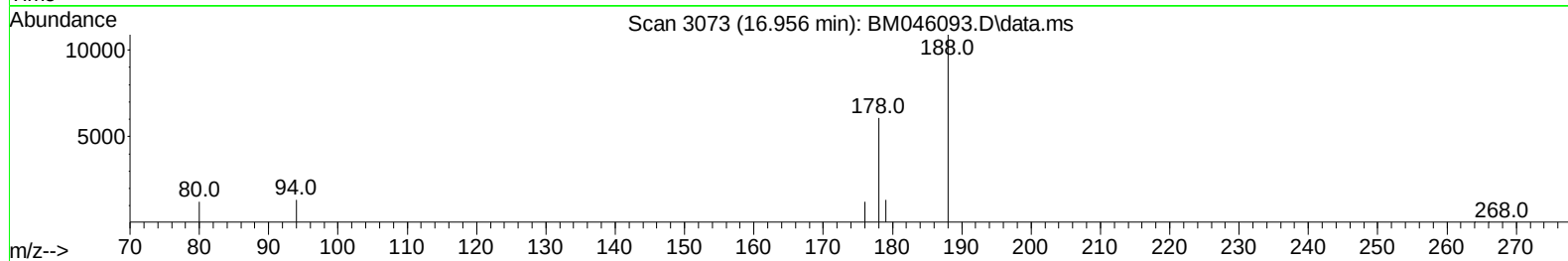
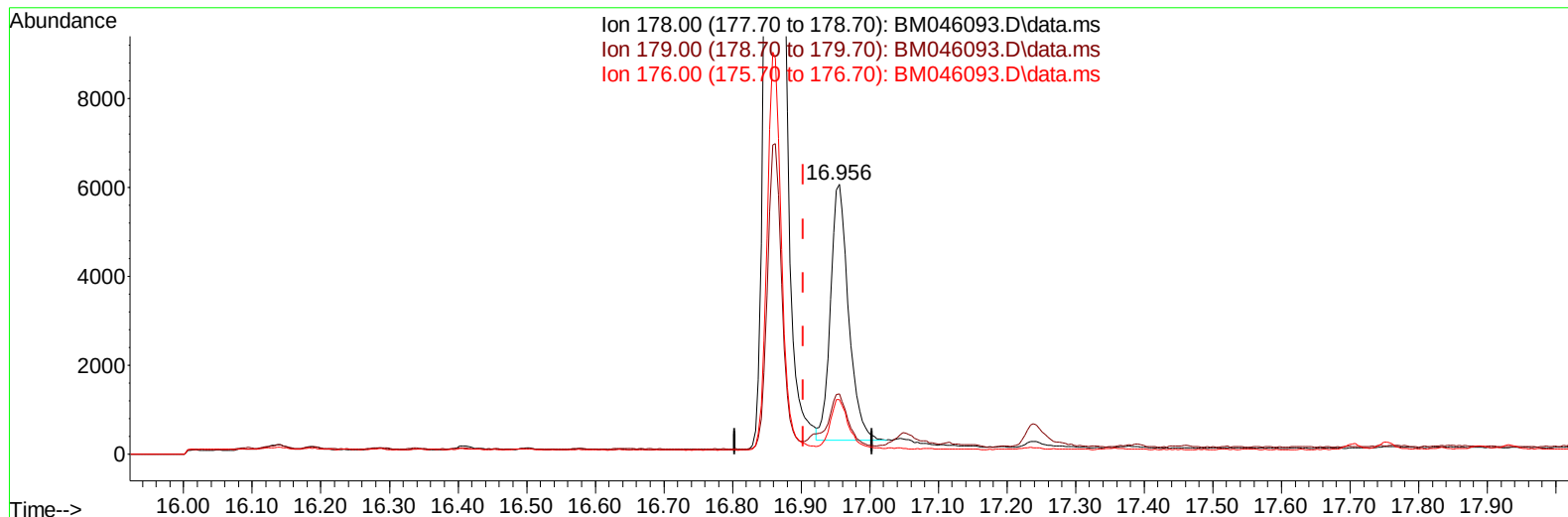
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046093.D
Acq On : 19 Jun 2024 19:27
Operator : MA/JU
Sample : P2695-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK2

Manual IntegrationsAPPROVED

Quant Time: Jun 19 22:50:06 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 06/21/2024



TIC: BM046093.D\data.ms

(15) Phenanthrene

16.956min (+ 0.052) 0.52 ng/u1

response 10567

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	22.27#
176.00	21.40	20.14
0.00	0.00	0.00

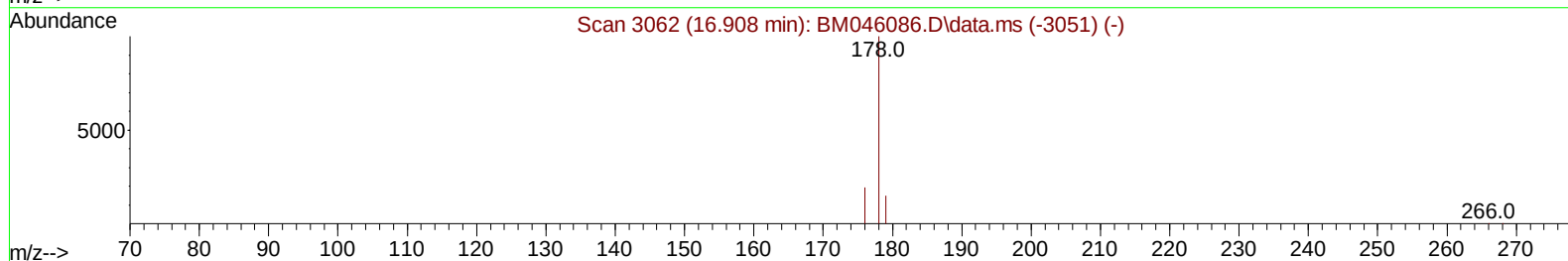
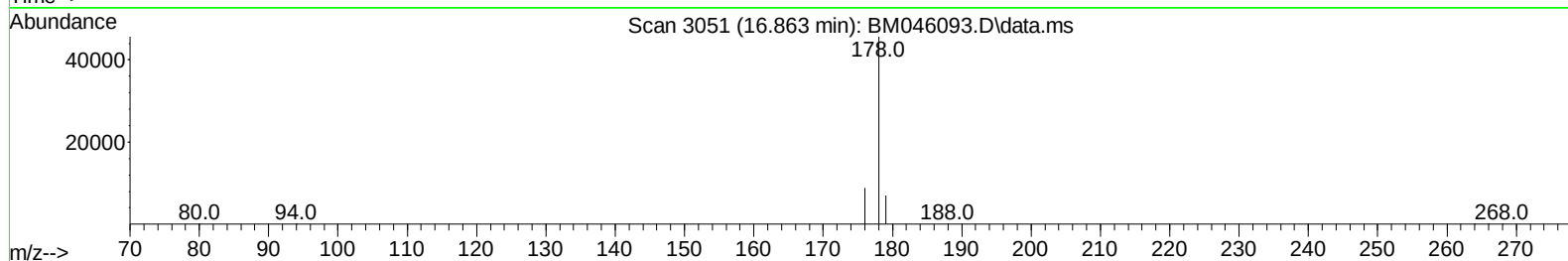
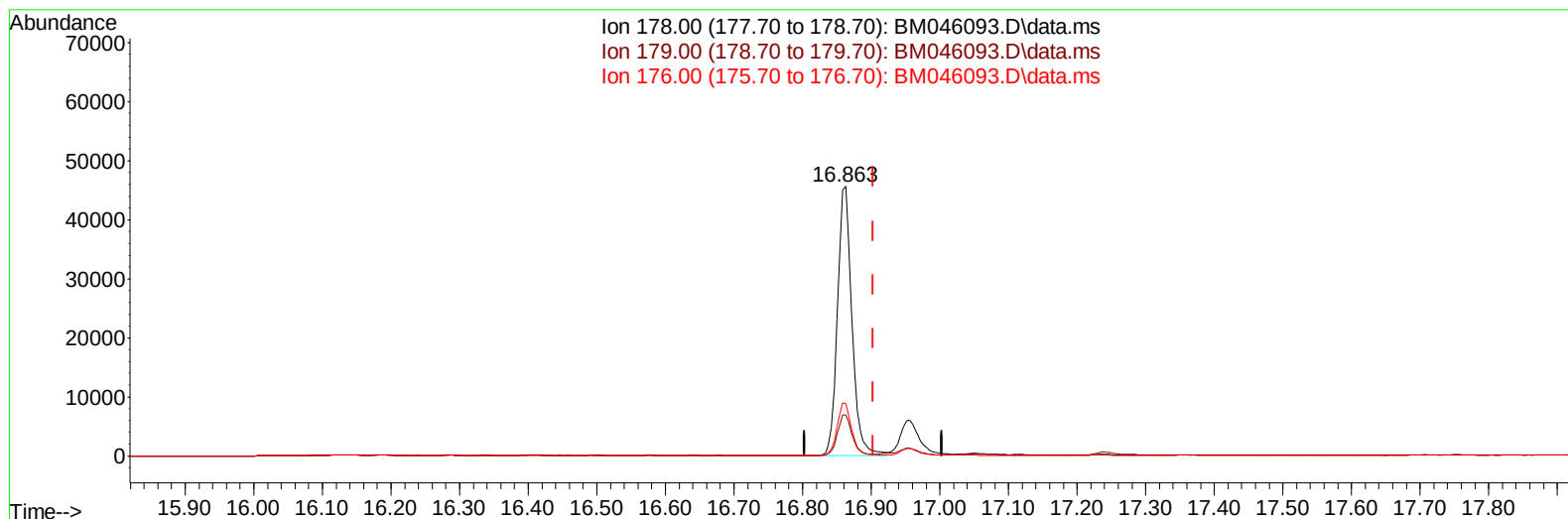
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
 Data File : BM046093.D
 Acq On : 19 Jun 2024 19:27
 Operator : MA/JU
 Sample : P2695-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BK2

Manual IntegrationsAPPROVED

Quant Time: Jun 19 22:50:06 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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Reviewed By :Jagrut Upadhyay 06/20/2024
 Supervised By :mohammad ahmed 06/21/2024



TIC: BM046093.D\data.ms

(15) Phenanthrene

16.863min (-0.041) 3.31 ng/ul m

response 66868

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.31
176.00	21.40	19.53
0.00	0.00	0.00

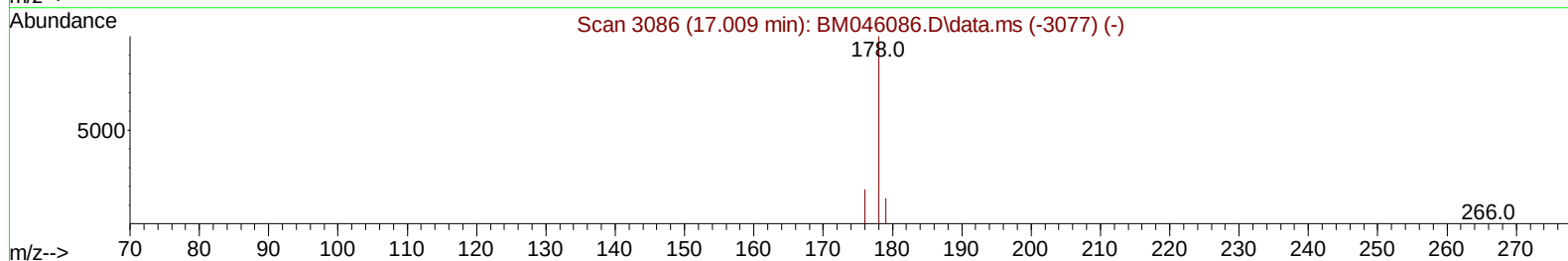
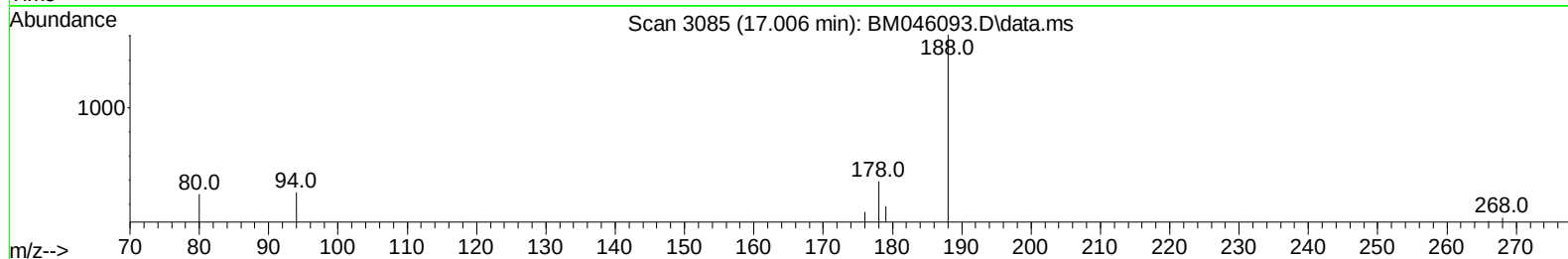
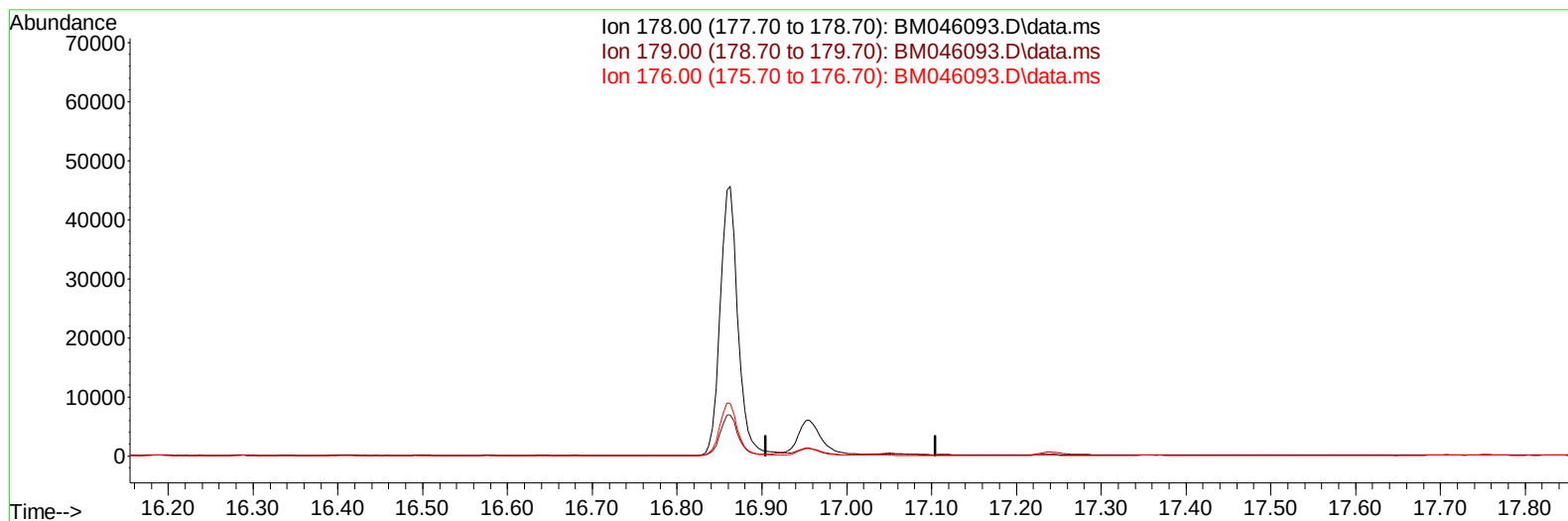
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046093.D
Acq On : 19 Jun 2024 19:27
Operator : MA/JU
Sample : P2695-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK2

Manual IntegrationsAPPROVED

Quant Time: Jun 19 22:50:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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TIC: BM046093.D\data.ms

(16) Anthracene

17.005min (-17.005) 0.00 ng/u1

response 0

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

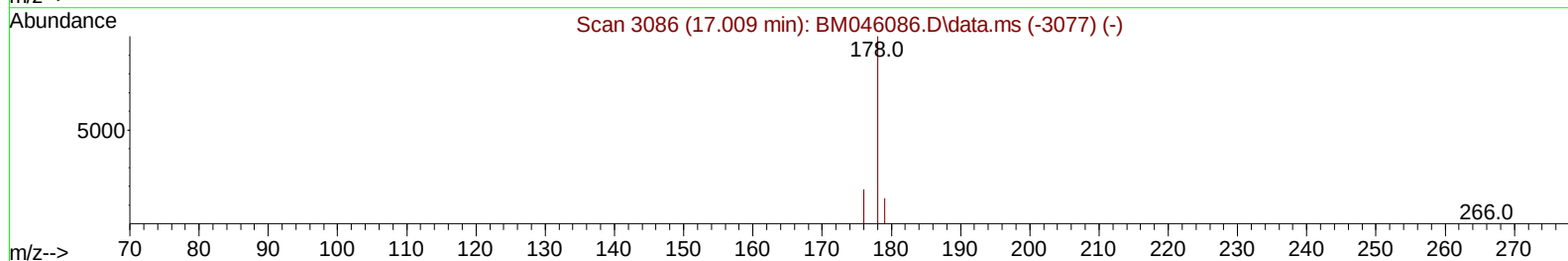
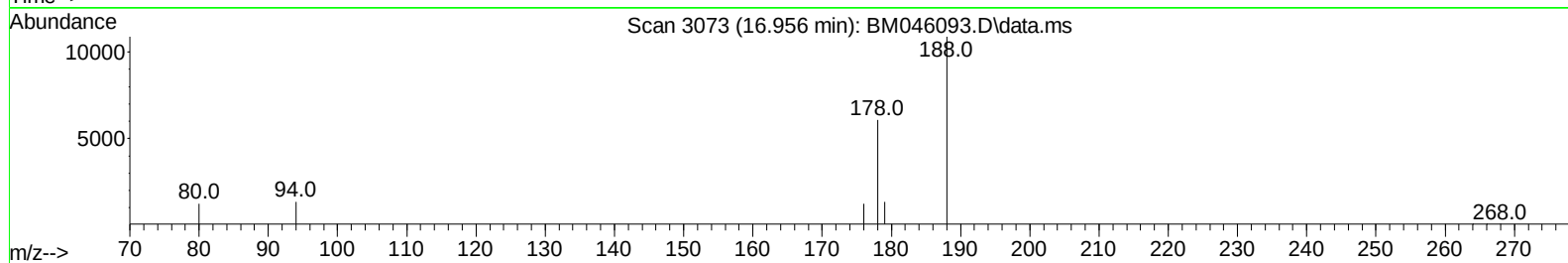
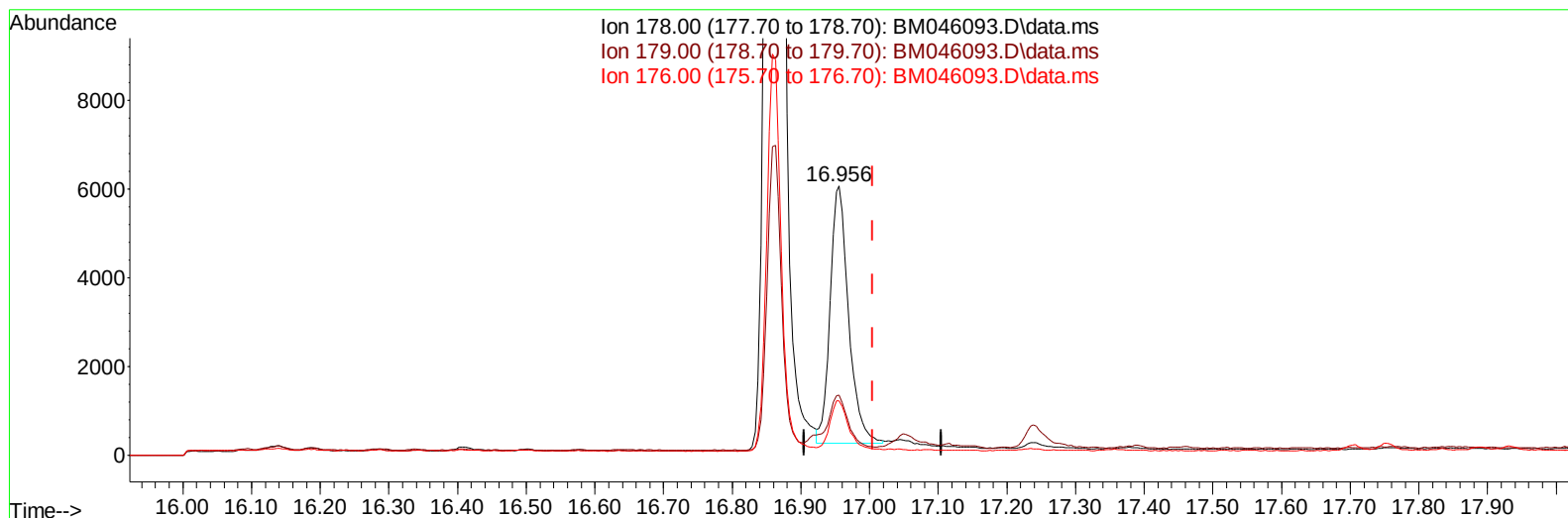
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046093.D
Acq On : 19 Jun 2024 19:27
Operator : MA/JU
Sample : P2695-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK2

Manual IntegrationsAPPROVED

Quant Time: Jun 19 22:50:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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TIC: BM046093.D\data.ms

(16) Anthracene

16.956min (-0.049) 0.72 ng/ul m

response 10824

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	22.27
176.00	21.20	20.14
0.00	0.00	0.00

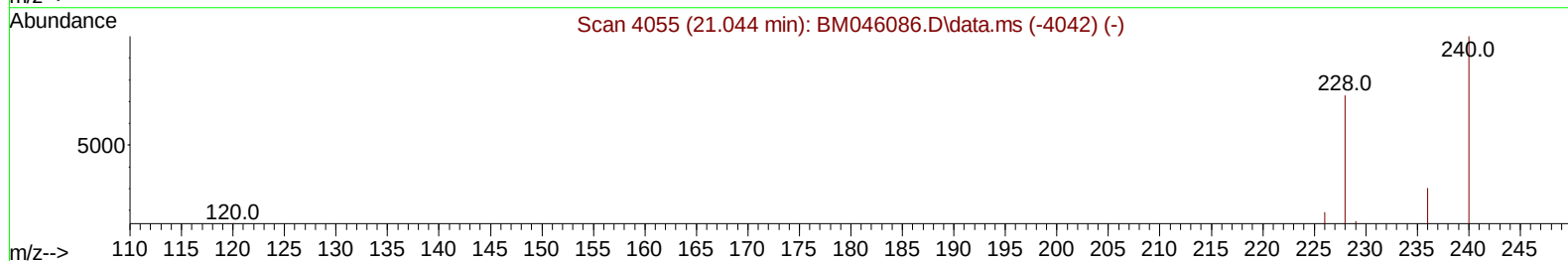
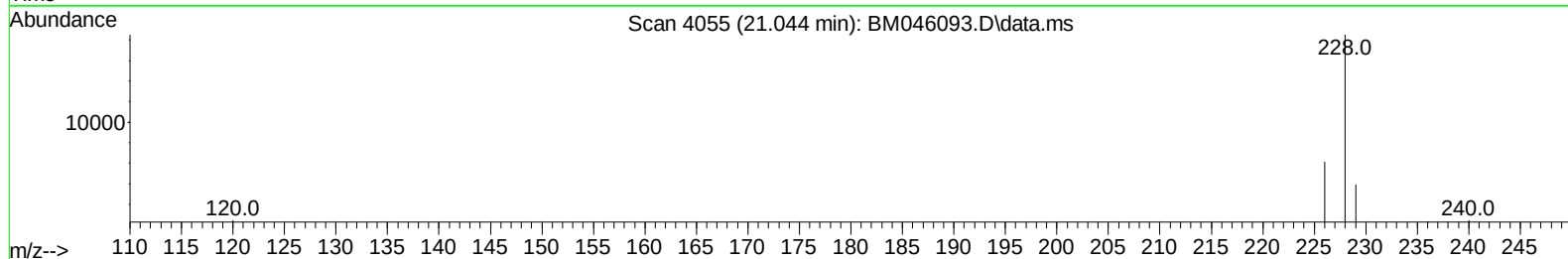
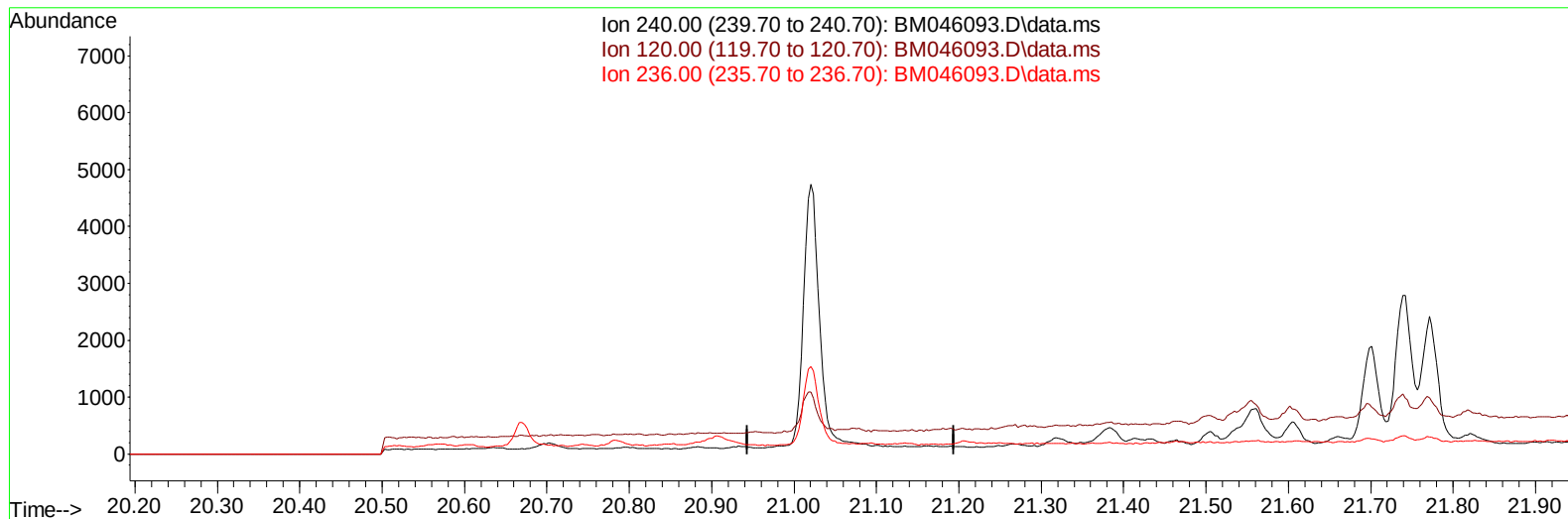
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046093.D
Acq On : 19 Jun 2024 19:27
Operator : MA/JU
Sample : P2695-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK2

Manual IntegrationsAPPROVED

Quant Time: Jun 19 22:50:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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TIC: BM046093.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

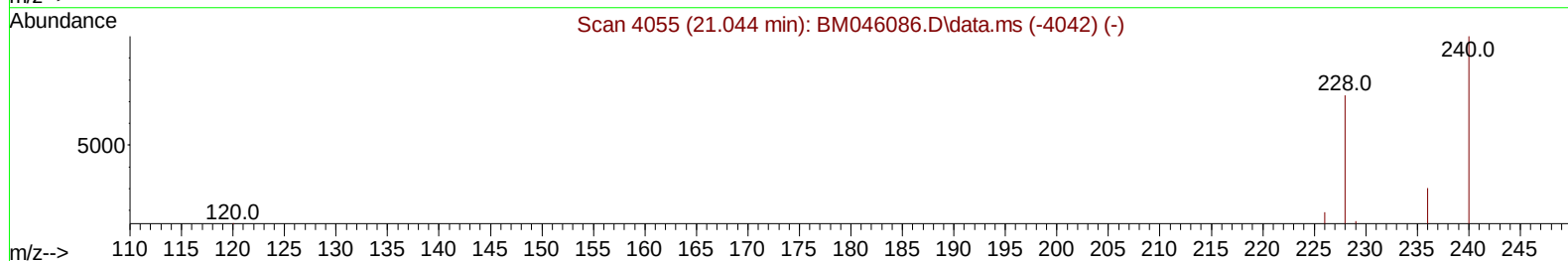
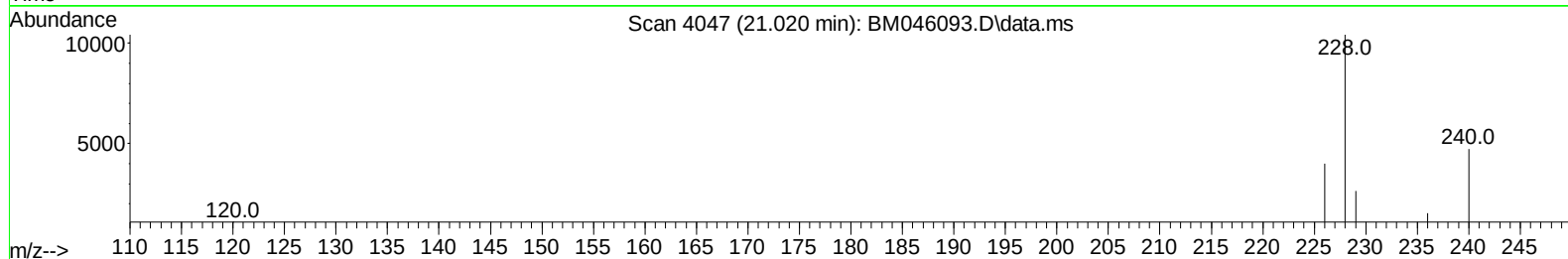
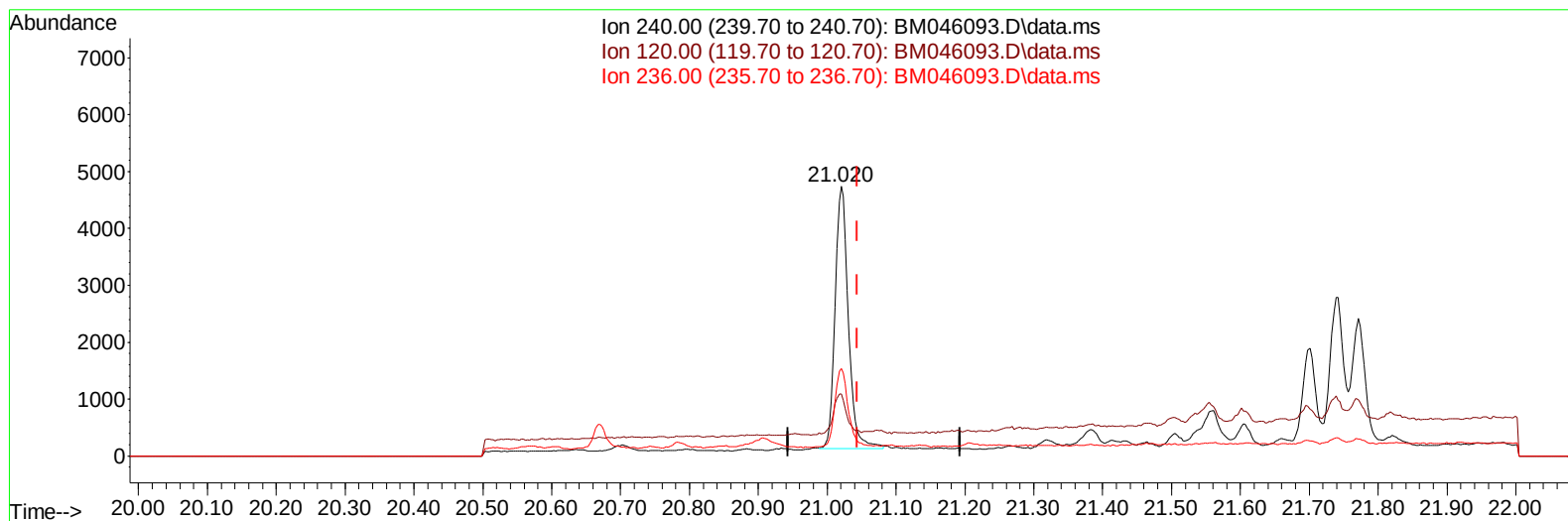
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046093.D
Acq On : 19 Jun 2024 19:27
Operator : MA/JU
Sample : P2695-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK2

Manual IntegrationsAPPROVED

Quant Time: Jun 19 22:50:06 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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Supervised By :mohammad ahmed 06/21/2024



TIC: BM046093.D\data.ms

(17) Chrysene-d12

21.020min (-0.024) 0.40 ng/ul m

response 6120

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	23.03
236.00	33.60	32.50
0.00	0.00	0.00

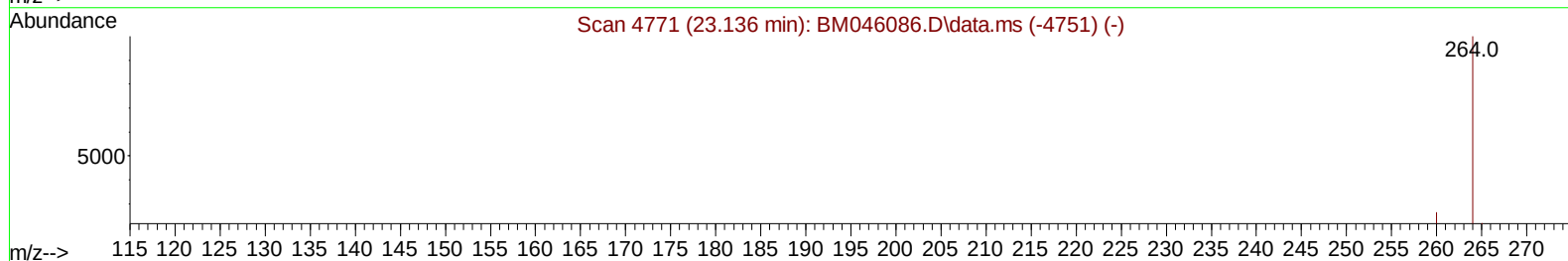
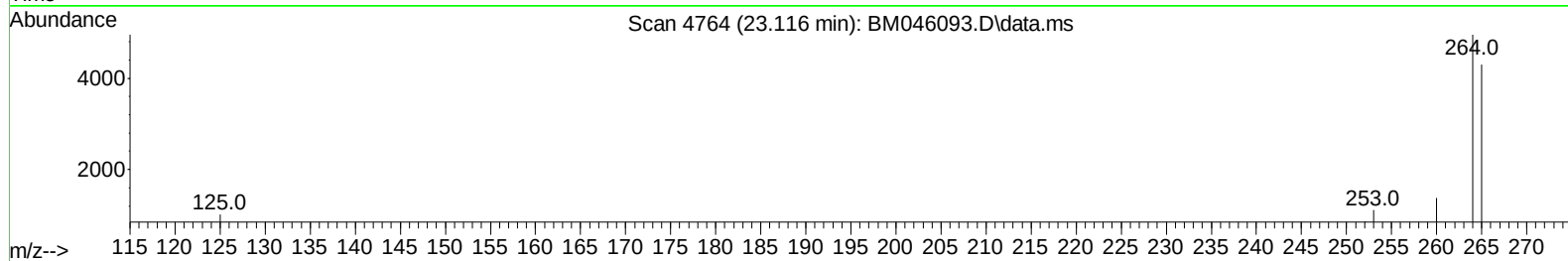
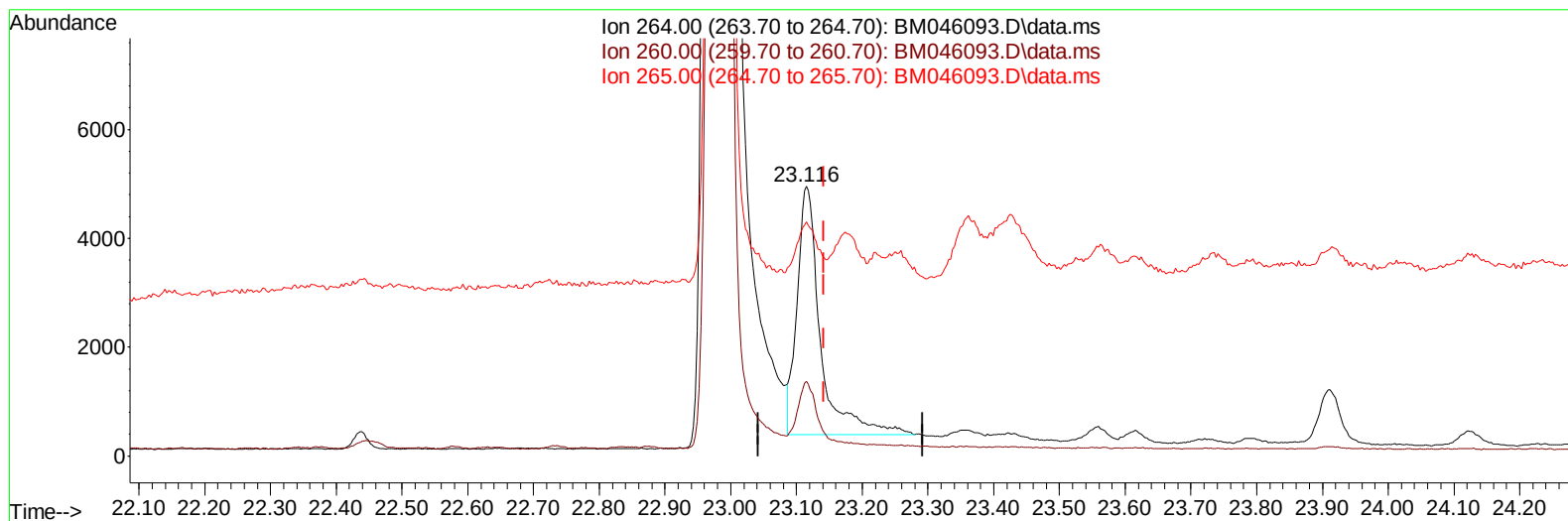
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046093.D
Acq On : 19 Jun 2024 19:27
Operator : MA/JU
Sample : P2695-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK2

Manual IntegrationsAPPROVED

Quant Time: Jun 19 22:50:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BM046093.D\data.ms

(23) Perylene-d12 (I)

23.116min (-0.027) 0.40 ng/u1

response 11160

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.70
265.00	110.60	86.78#
0.00	0.00	0.00

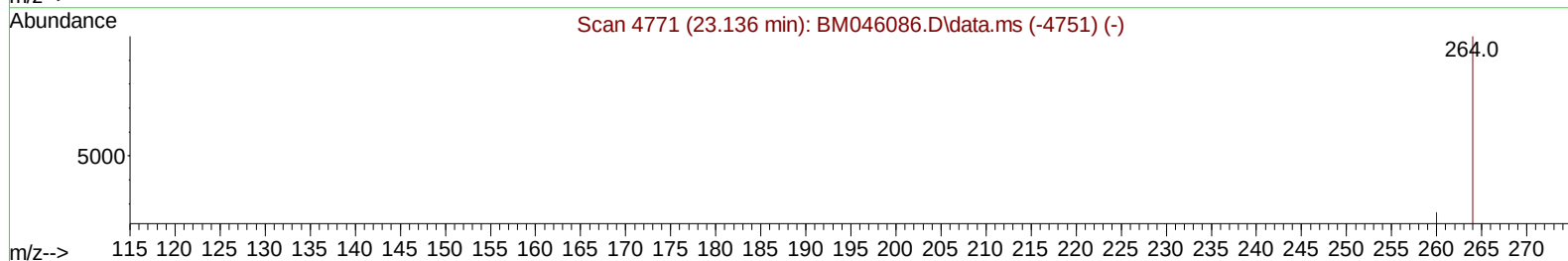
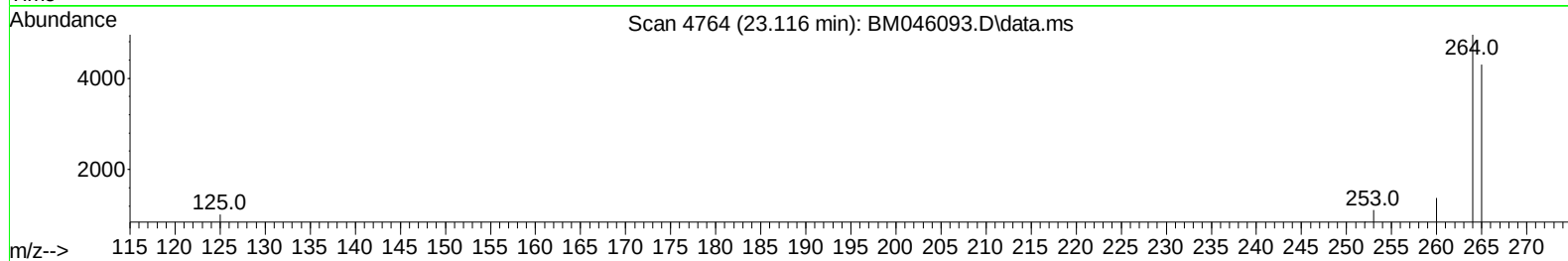
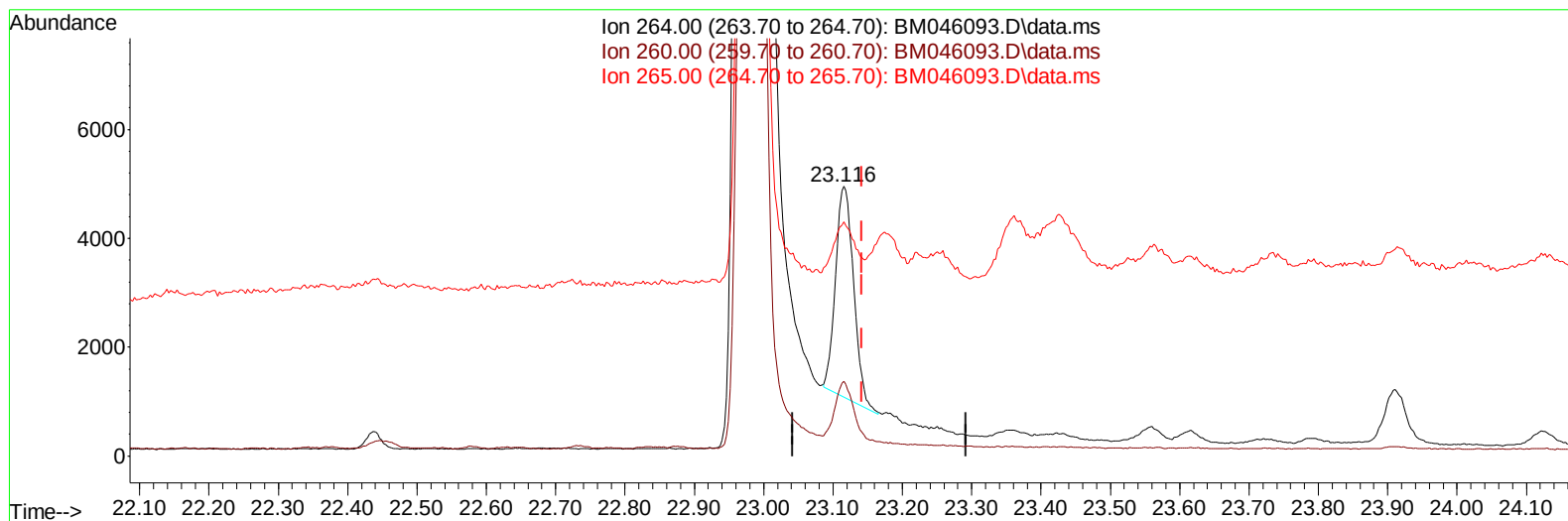
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046093.D
Acq On : 19 Jun 2024 19:27
Operator : MA/JU
Sample : P2695-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK2

Manual IntegrationsAPPROVED

Quant Time: Jun 19 22:50:06 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: BM046093.D\data.ms

(23) Perylene-d12 (I)

23.116min (-0.027) 0.40 ng/ul m

response 6973

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.70
265.00	110.60	86.78#
0.00	0.00	0.00

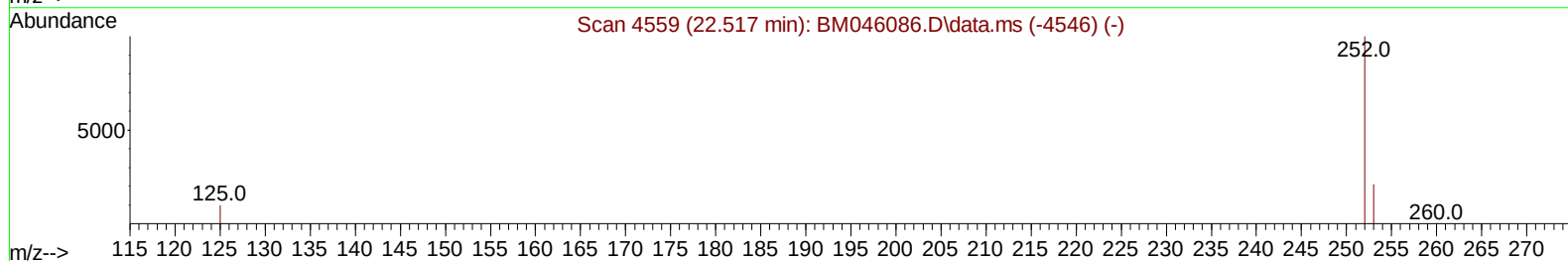
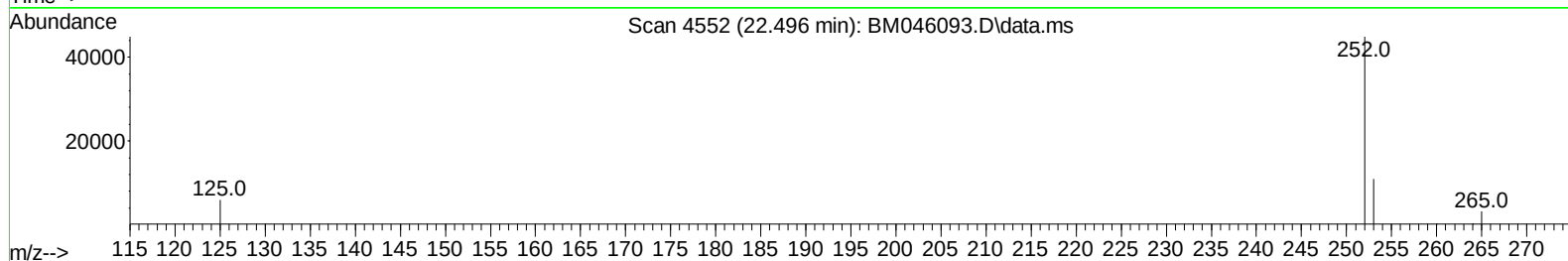
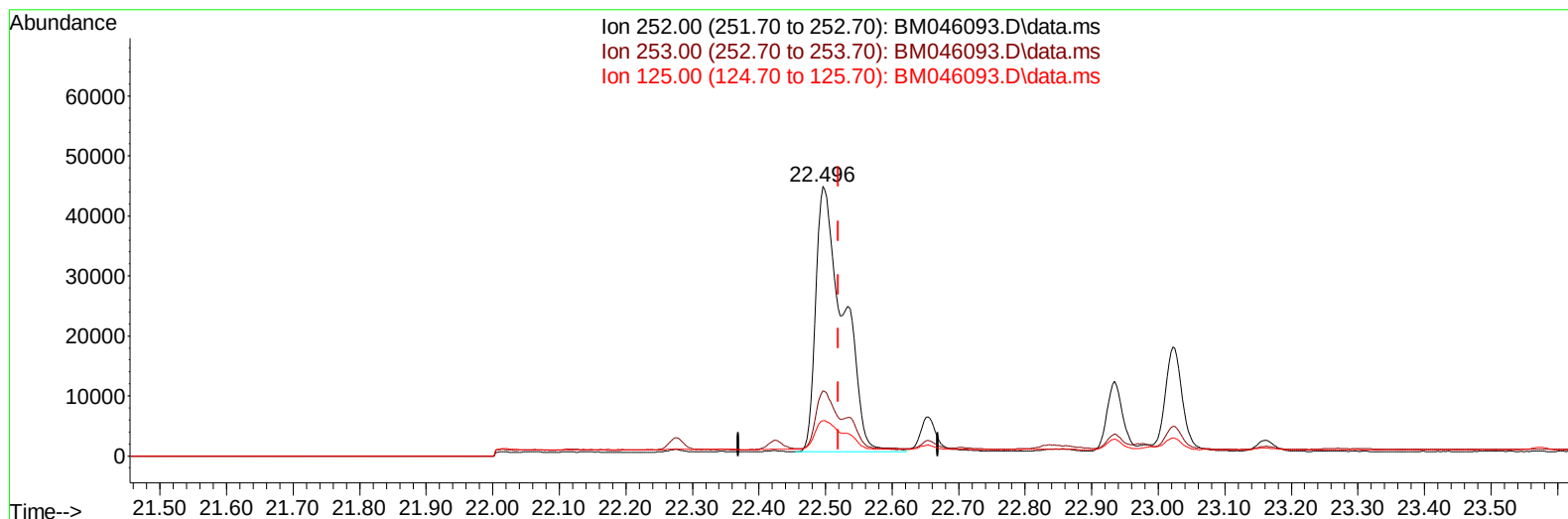
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046093.D
Acq On : 19 Jun 2024 19:27
Operator : MA/JU
Sample : P2695-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK2

Manual IntegrationsAPPROVED

Quant Time: Jun 19 22:50:06 2024
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TIC: BM046093.D\data.ms

(24) Benzo(b)fluoranthene

22.496min (-0.024) 5.03 ng/u1

response 126393

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	24.14
125.00	20.10	13.06
0.00	0.00	0.00

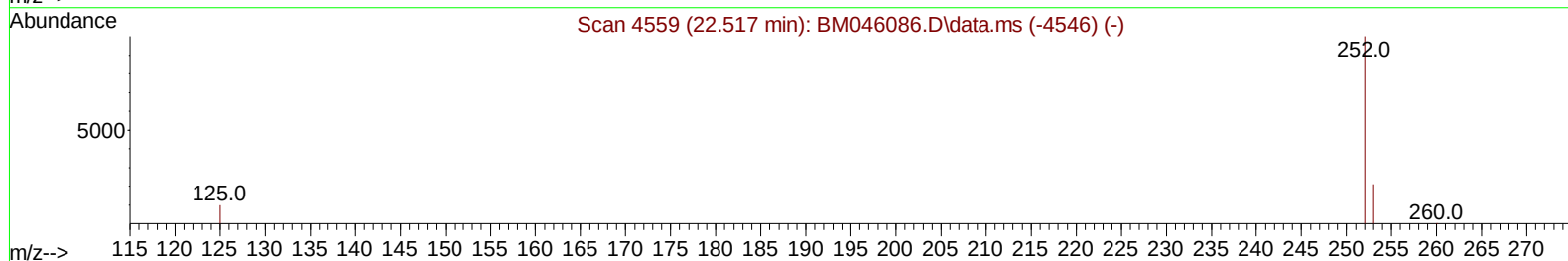
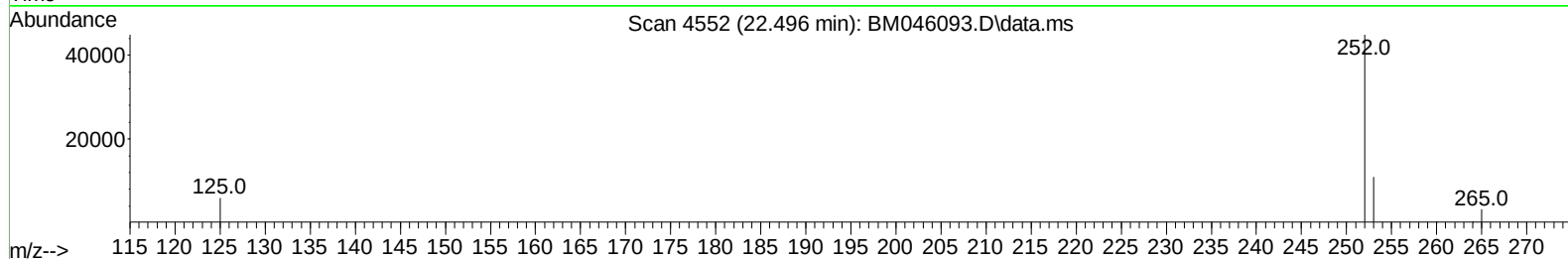
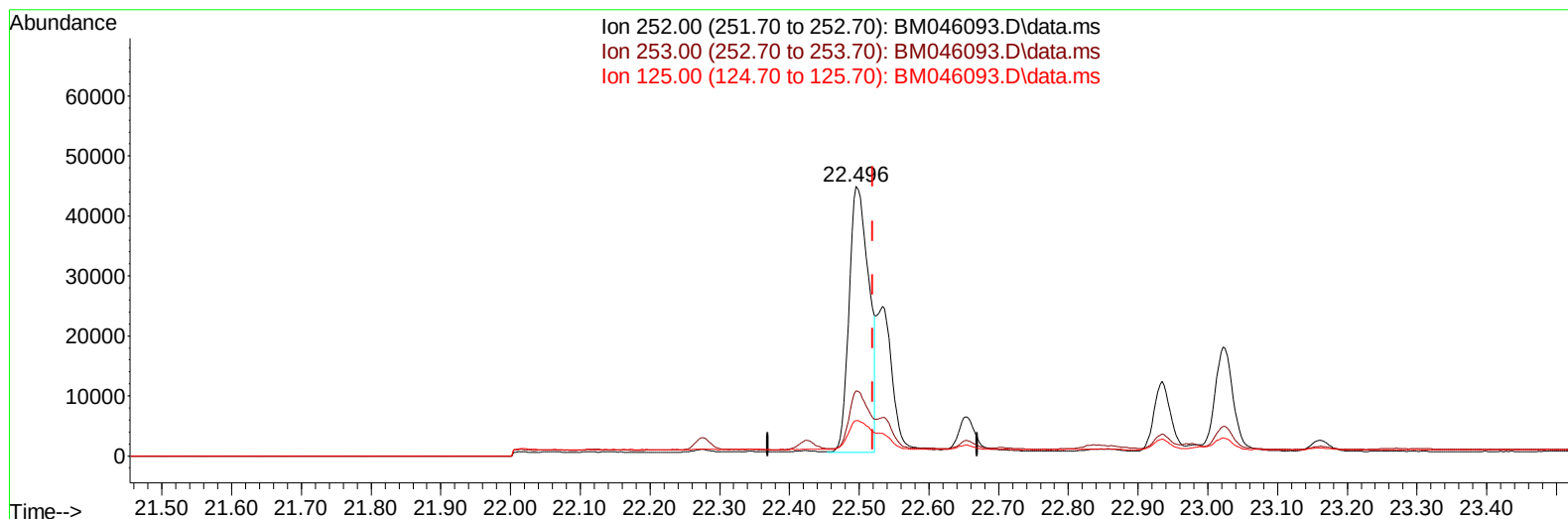
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
 Data File : BM046093.D
 Acq On : 19 Jun 2024 19:27
 Operator : MA/JU
 Sample : P2695-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BK2

Manual IntegrationsAPPROVED

Quant Time: Jun 19 22:50:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/20/2024
 Supervised By :mohammad ahmed 06/21/2024



TIC: BM046093.D\data.ms

(24) Benzo(b)fluoranthene

22.496min (-0.024) 3.50 ng/ul m

response 87820

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	24.14
125.00	20.10	13.06
0.00	0.00	0.00

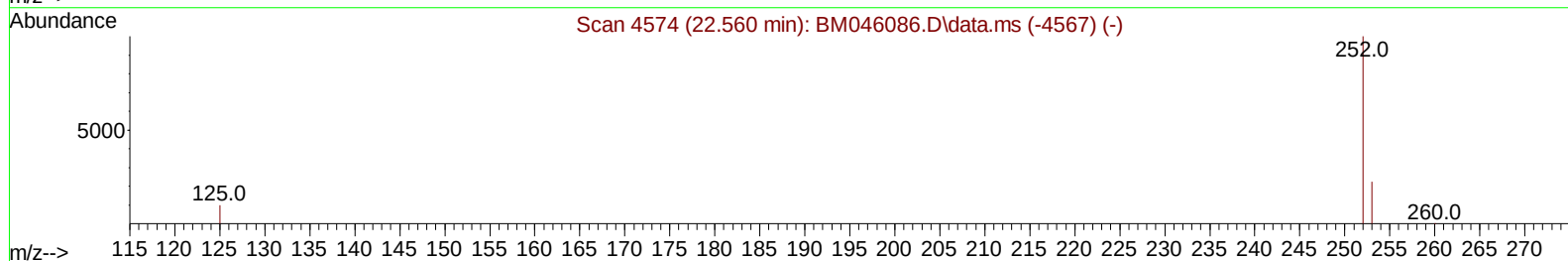
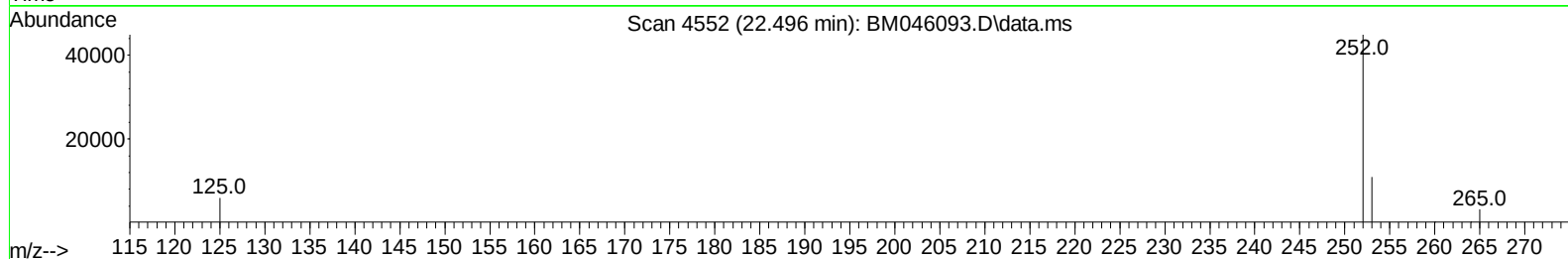
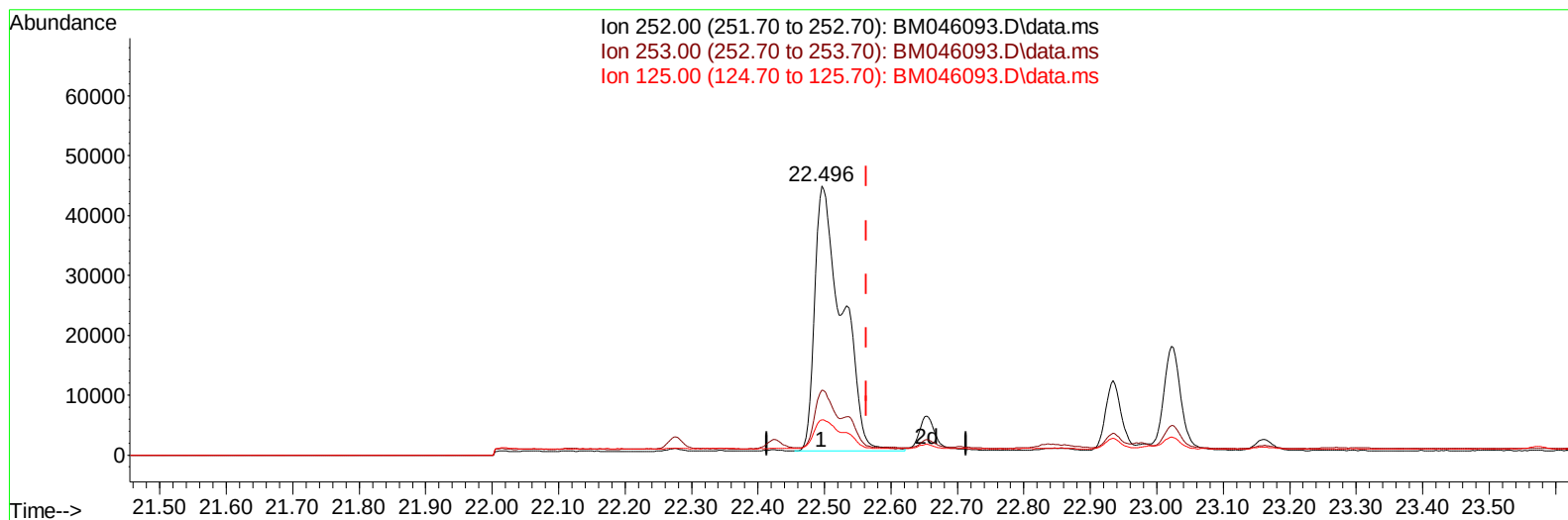
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046093.D
Acq On : 19 Jun 2024 19:27
Operator : MA/JU
Sample : P2695-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK2

Manual IntegrationsAPPROVED

Quant Time: Jun 19 22:50:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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TIC: BM046093.D\data.ms

(25) Benzo(k)fluoranthene

22.496min (-0.068) 4.23 ng/u1

response 126393

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	24.14#
125.00	20.80	13.06#
0.00	0.00	0.00

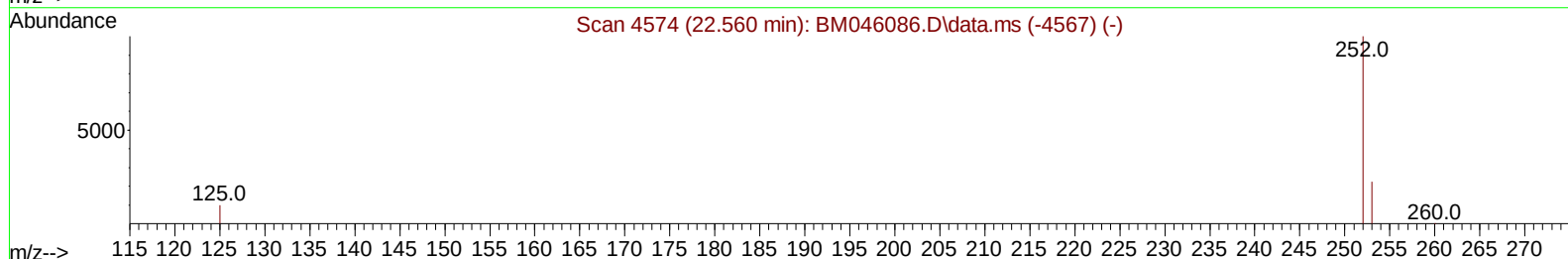
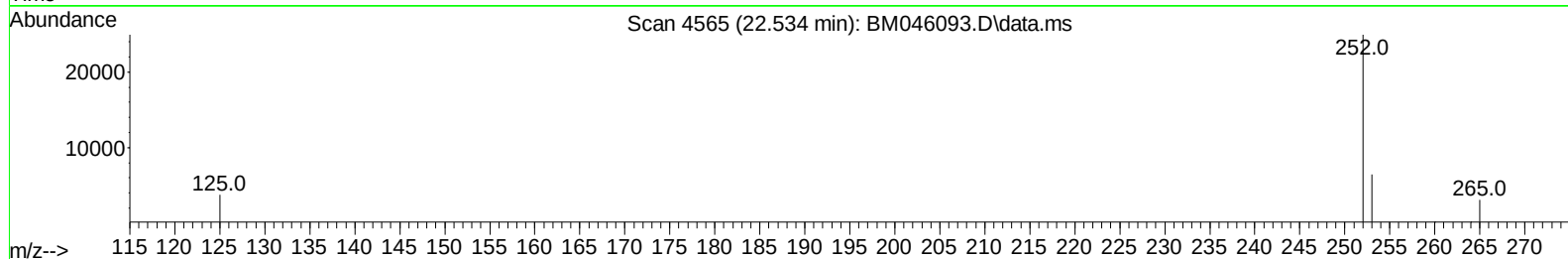
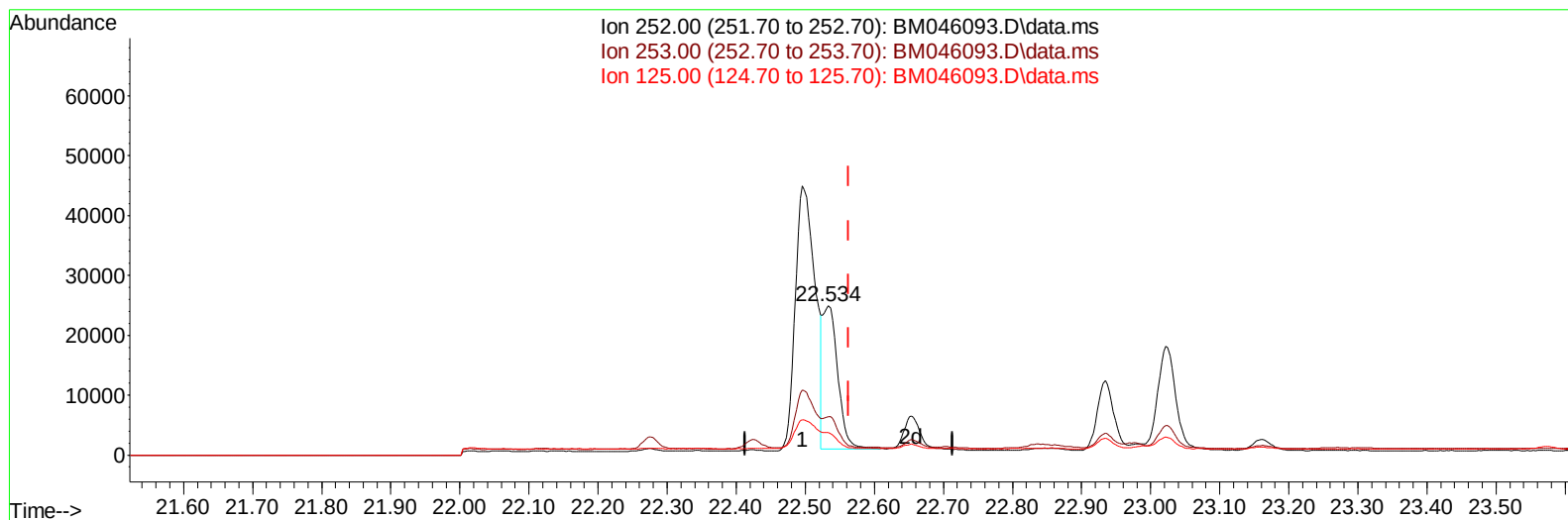
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046093.D
Acq On : 19 Jun 2024 19:27
Operator : MA/JU
Sample : P2695-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK2

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024

Quant Time: Jun 19 22:50:06 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



TIC: BM046093.D\data.ms

(25) Benzo(k)fluoranthene

22.534min (-0.030) 1.24 ng/ul m

response 36981

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	25.82#
125.00	20.80	14.92#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.430	152	2177	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.205	136	6136	0.400	ng/ul	-0.05
9) Acenaphthene-d10	14.081	164	3379	0.400	ng/ul	-0.03
13) Phenanthrene-d10	16.820	188	7201m	0.400	ng/ul	-0.04
17) Chrysene-d12	21.020	240	6120m	0.400	ng/ul	-0.02
23) Perylene-d12	23.116	264	6973m	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.033	96	10844	3.631	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.838	152	1982	0.241	ng/ul	-0.03
18) Fluoranthene-d10	18.854	212	5505	0.300	ng/ul	-0.03
Target Compounds						
					Qvalue	
5) Naphthalene	10.255	128	2343	0.137	ng/ul#	95
7) 2-Methylnaphthalene	11.915	142	628	0.065	ng/ul	97
8) 1-Methylnaphthalene	12.124	142	558	0.053	ng/ul	91
10) Acenaphthylene	13.794	152	5346	0.334	ng/ul	98
11) Acenaphthene	14.141	153	2417	0.209	ng/ul	98
12) Fluorene	15.131	166	3028	0.244	ng/ul	98
15) Phenanthrene	16.863	178	66868m	3.305	ng/ul	
16) Anthracene	16.956	178	10824m	0.718	ng/ul	
19) Fluoranthene	18.881	202	166674	6.290	ng/ul	98
20) Pyrene	19.244	202	112406	3.922	ng/ul	98
21) Benzo(a)anthracene	21.006	228	53219	2.251	ng/ul	99
22) Chrysene	21.055	228	65472	2.170	ng/ul	99
24) Benzo(b)fluoranthene	22.496	252	87820m	3.496	ng/ul	
25) Benzo(k)fluoranthene	22.534	252	36981m	1.238	ng/ul	
26) Benzo(a)pyrene	23.022	252	31540	1.355	ng/ul#	80
27) Indeno(1,2,3-cd)pyrene	25.165	276	35140	0.922	ng/ul#	90
28) Dibenzo(a,h)anthracene	25.172	278	10264	0.362	ng/ul	97
29) Benzo(g,h,i)perylene	25.789	276	5215	0.160	ng/ul#	85

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

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