

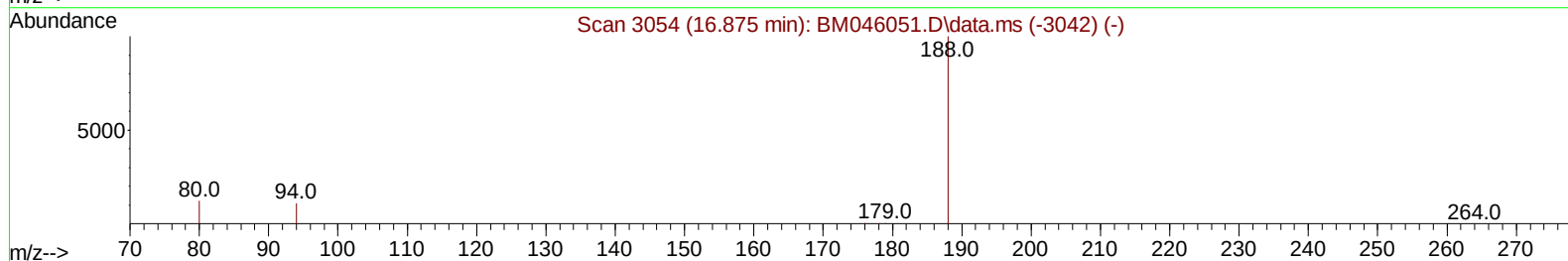
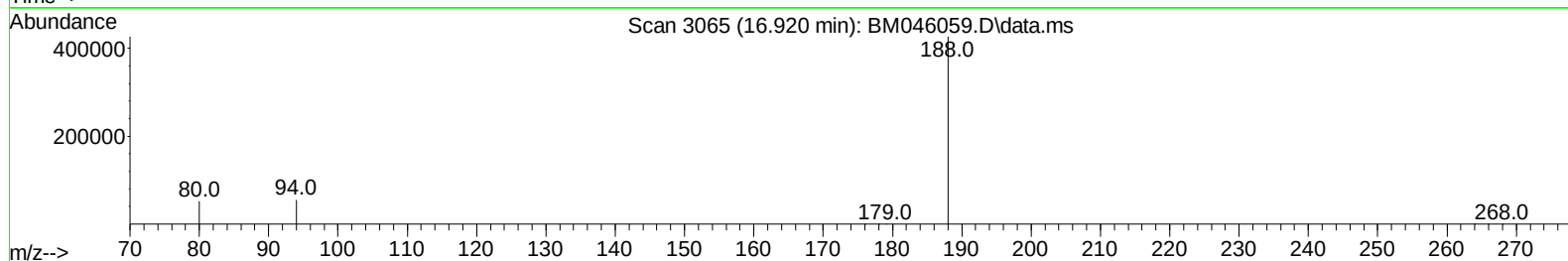
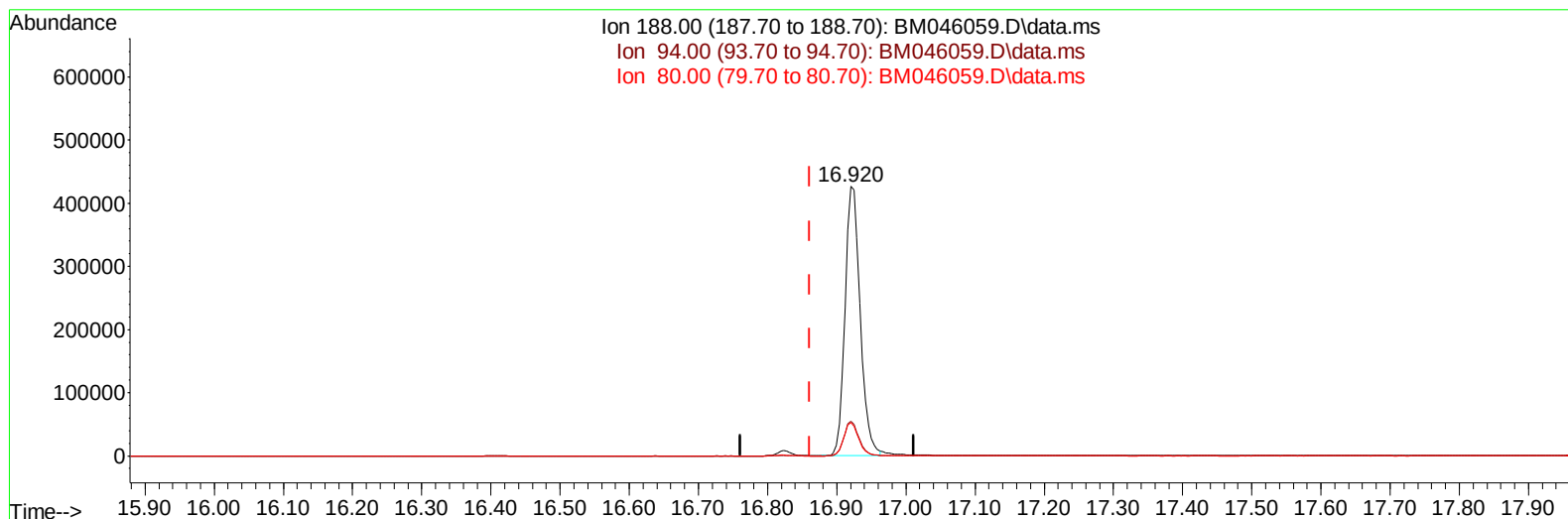
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046059.D
Acq On : 18 Jun 2024 20:02
Operator : MA/JU
Sample : P2695-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BJ9

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:23:49 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 06/19/2024
Supervised By :mohammad ahmed 06/21/2024



TIC: BM046059.D\data.ms

(13) Phenanthrene-d10 (I)

16.920min (+ 0.059) 0.40 ng/u1

response 651138

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.93
80.00	15.20	12.36
0.00	0.00	0.00

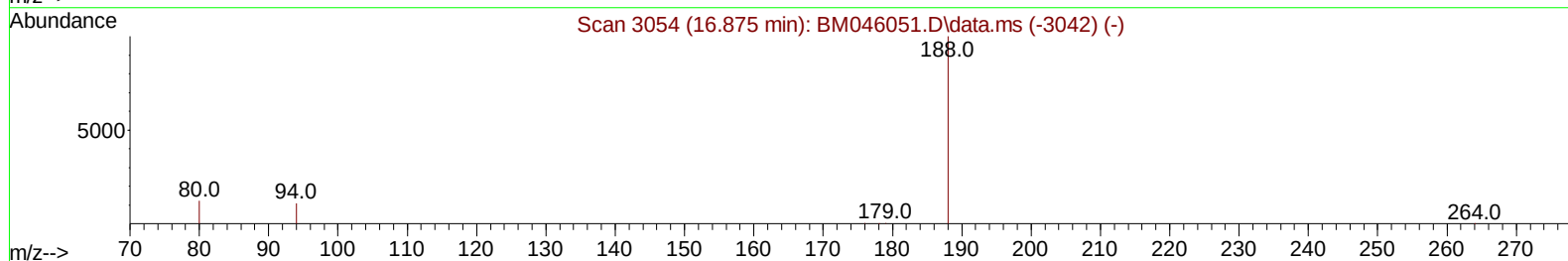
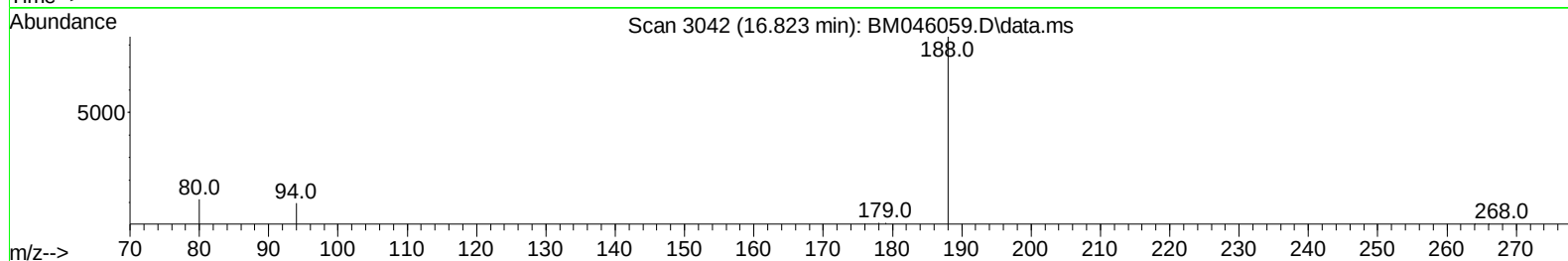
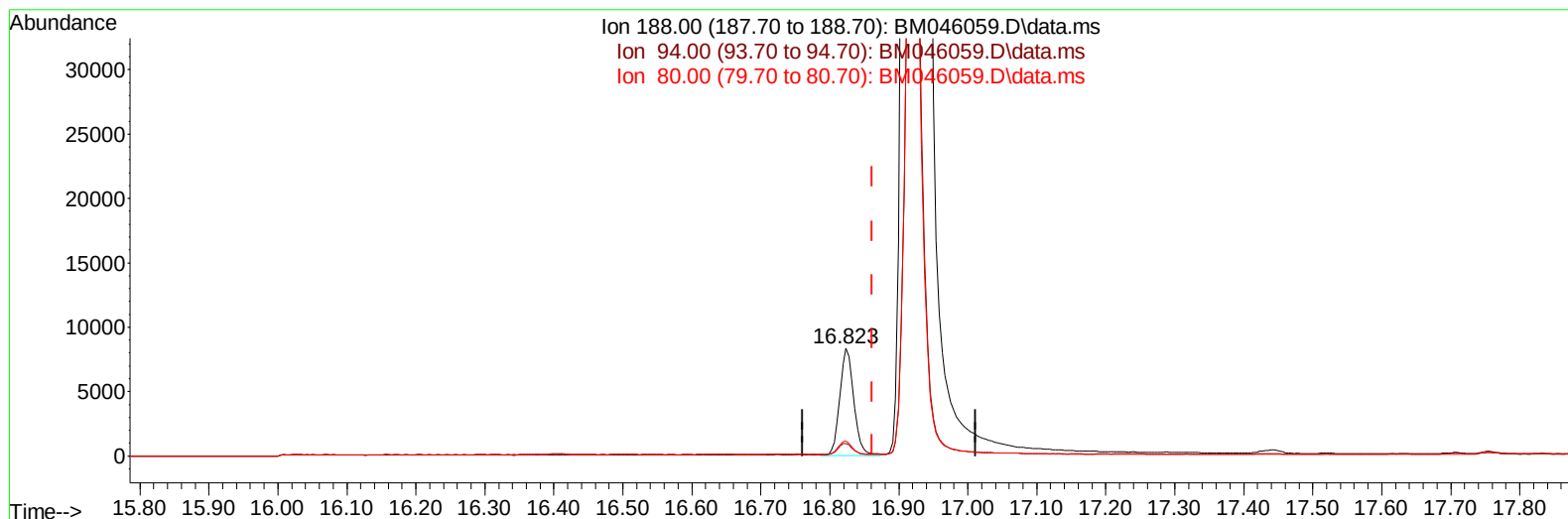
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
 Data File : BM046059.D
 Acq On : 18 Jun 2024 20:02
 Operator : MA/JU
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 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:23:49 2024
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 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 06/19/2024
 Supervised By :mohammad ahmed 06/21/2024



TIC: BM046059.D\data.ms

(13) Phenanthrene-d10 (I)

16.823min (-0.038) 0.40 ng/ul m

response 11684

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	11.84
80.00	15.20	13.89
0.00	0.00	0.00

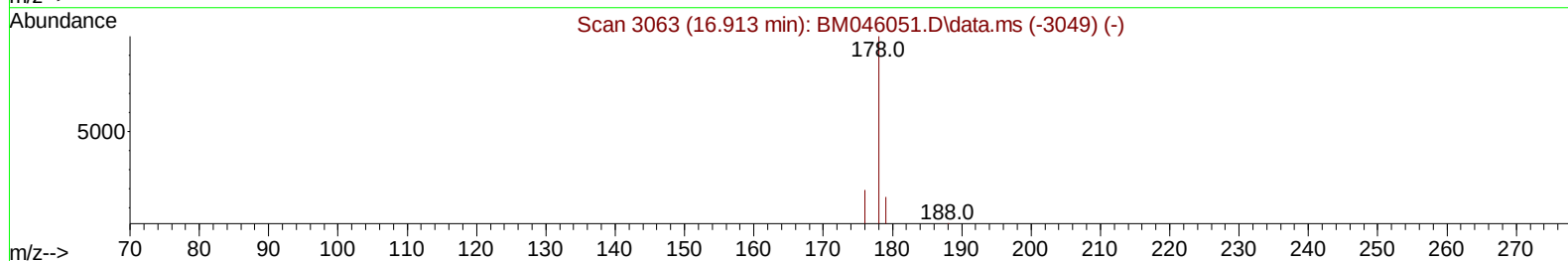
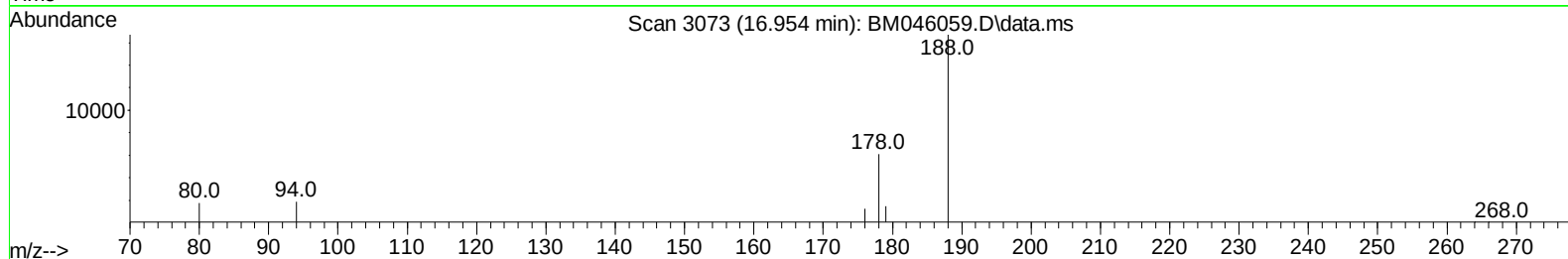
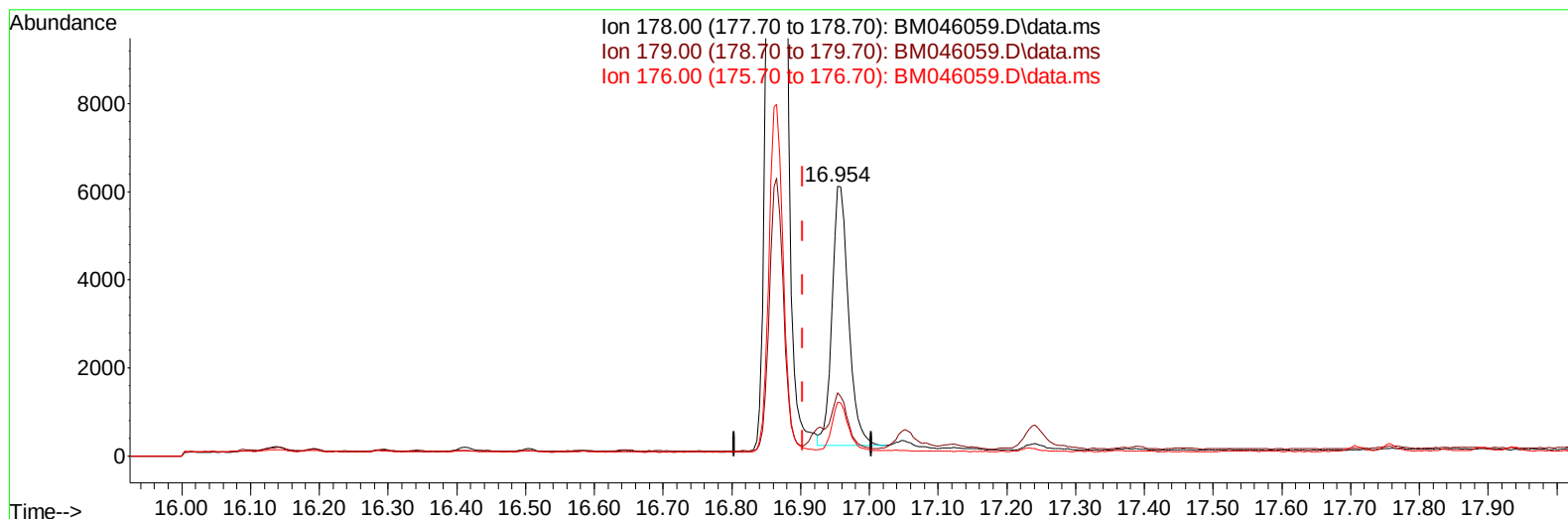
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046059.D
Acq On : 18 Jun 2024 20:02
Operator : MA/JU
Sample : P2695-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BJ9

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:23:49 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 06/19/2024
Supervised By :mohammad ahmed 06/21/2024



TIC: BM046059.D\data.ms

(15) Phenanthrene

16.954min (+ 0.051) 0.30 ng/u1

response 9757

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	23.57#
176.00	21.40	20.03
0.00	0.00	0.00

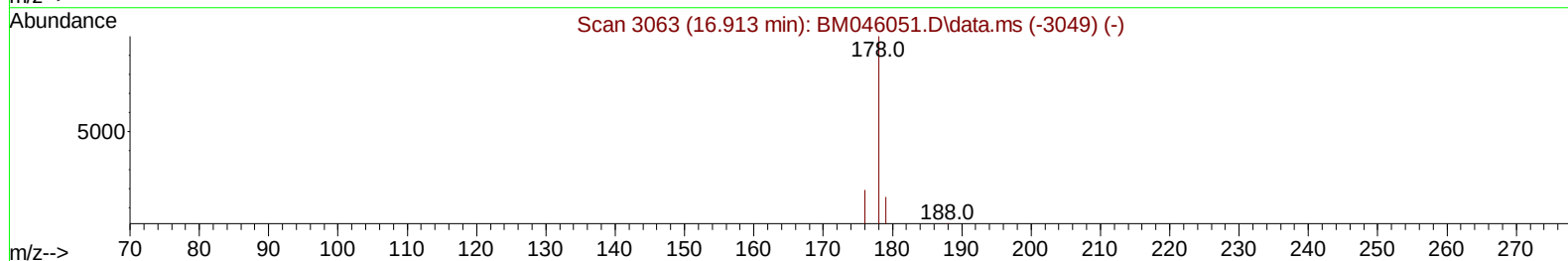
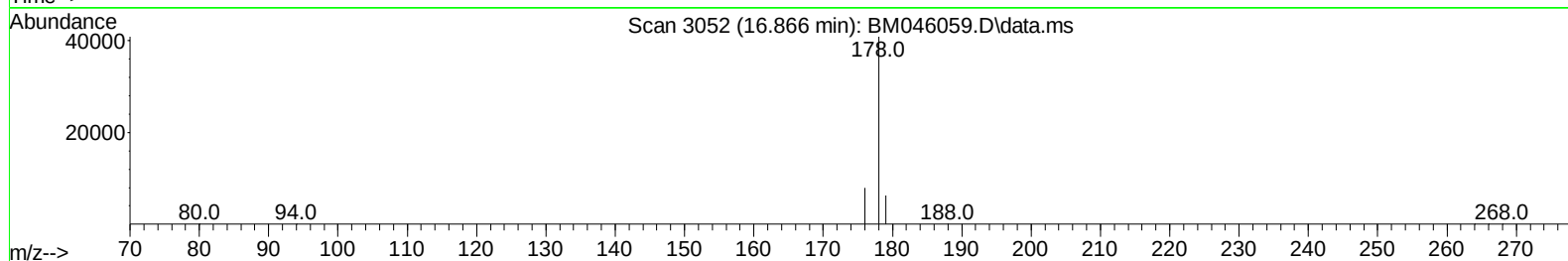
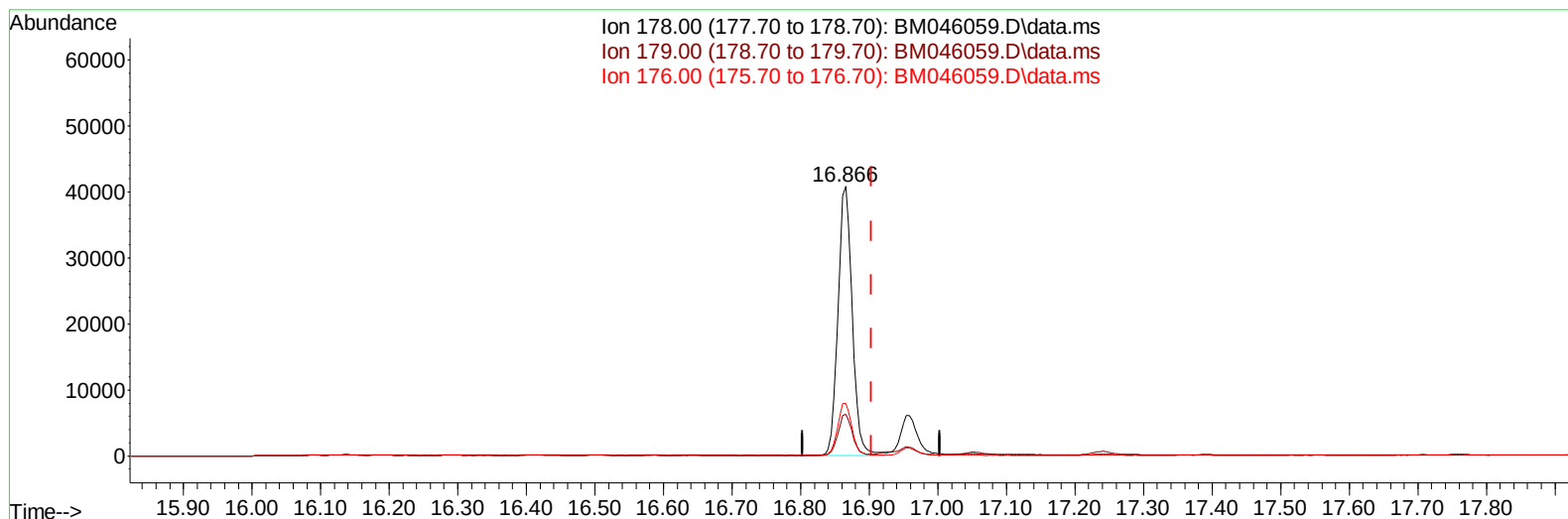
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046059.D
Acq On : 18 Jun 2024 20:02
Operator : MA/JU
Sample : P2695-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BJ9

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:23:49 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 06/19/2024
Supervised By :mohammad ahmed 06/21/2024



TIC: BM046059.D\data.ms

(15) Phenanthrene

16.866min (-0.038) 1.80 ng/ul m

response 58990

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.47
176.00	21.40	19.57
0.00	0.00	0.00

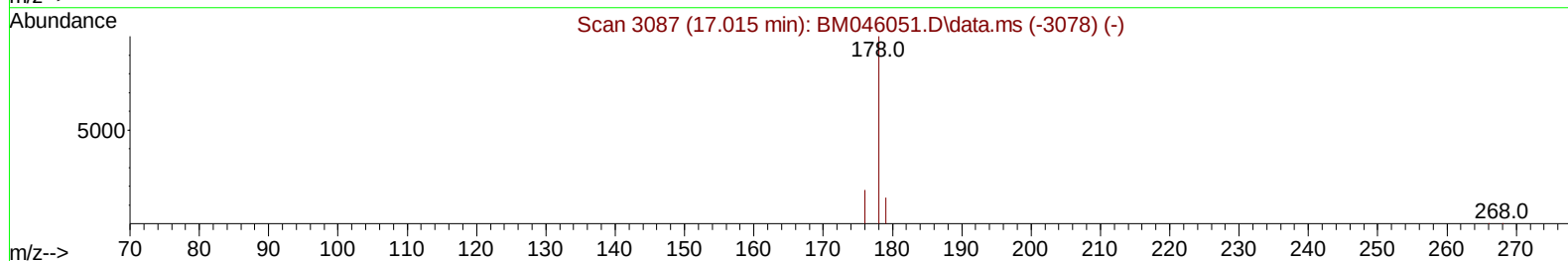
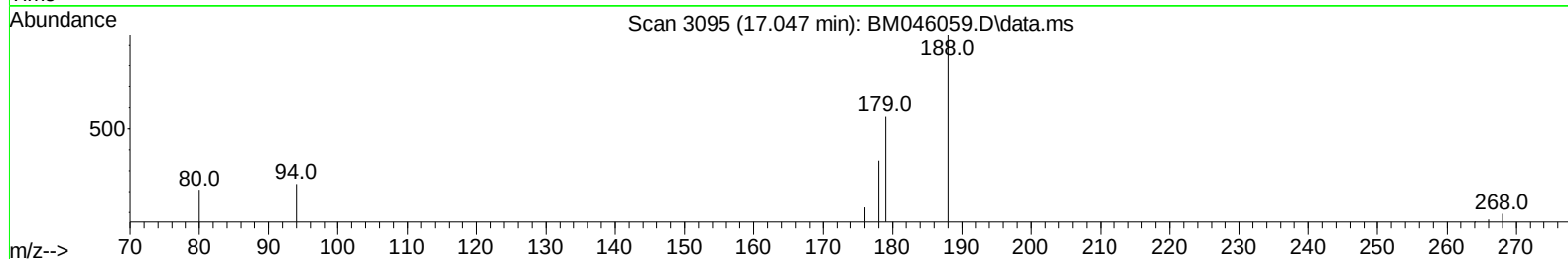
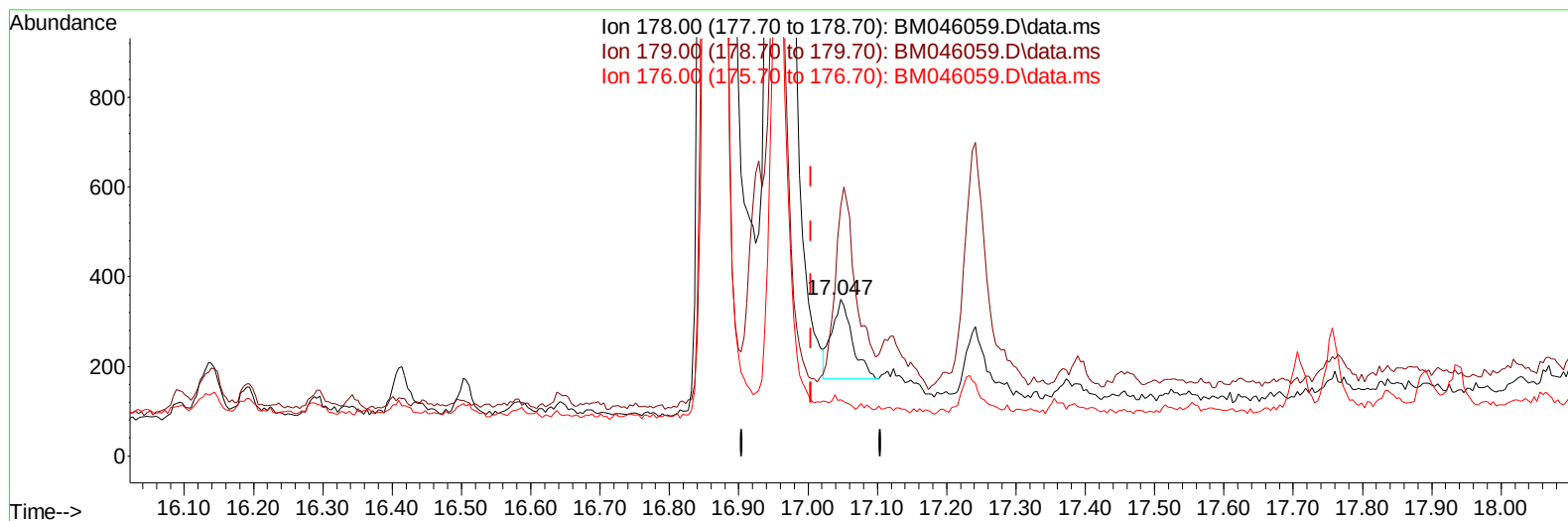
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046059.D
Acq On : 18 Jun 2024 20:02
Operator : MA/JU
Sample : P2695-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BJ9

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:23:49 2024
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TIC: BM046059.D\data.ms

(16) Anthracene

17.047min (+ 0.042) 0.02 ng/u1

response 370

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	159.89#
176.00	21.20	35.82#
0.00	0.00	0.00

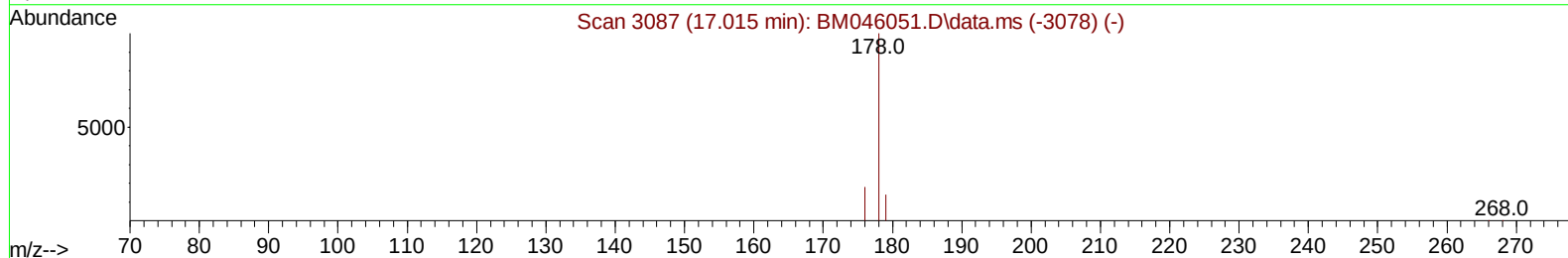
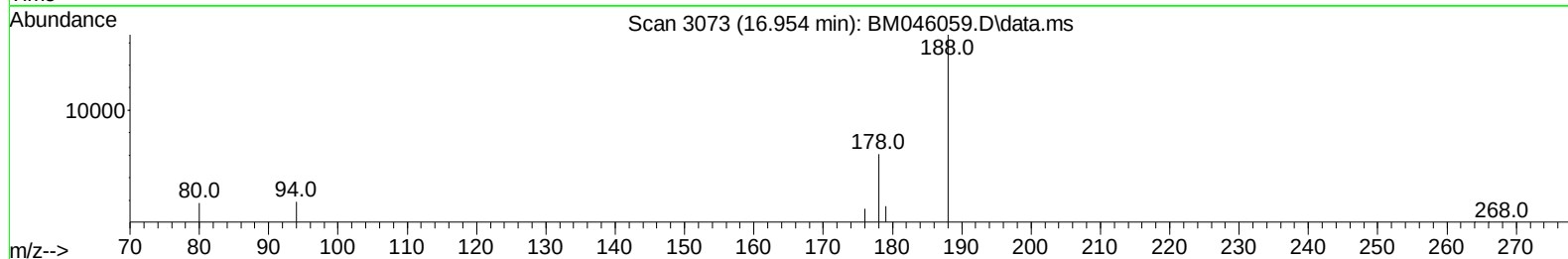
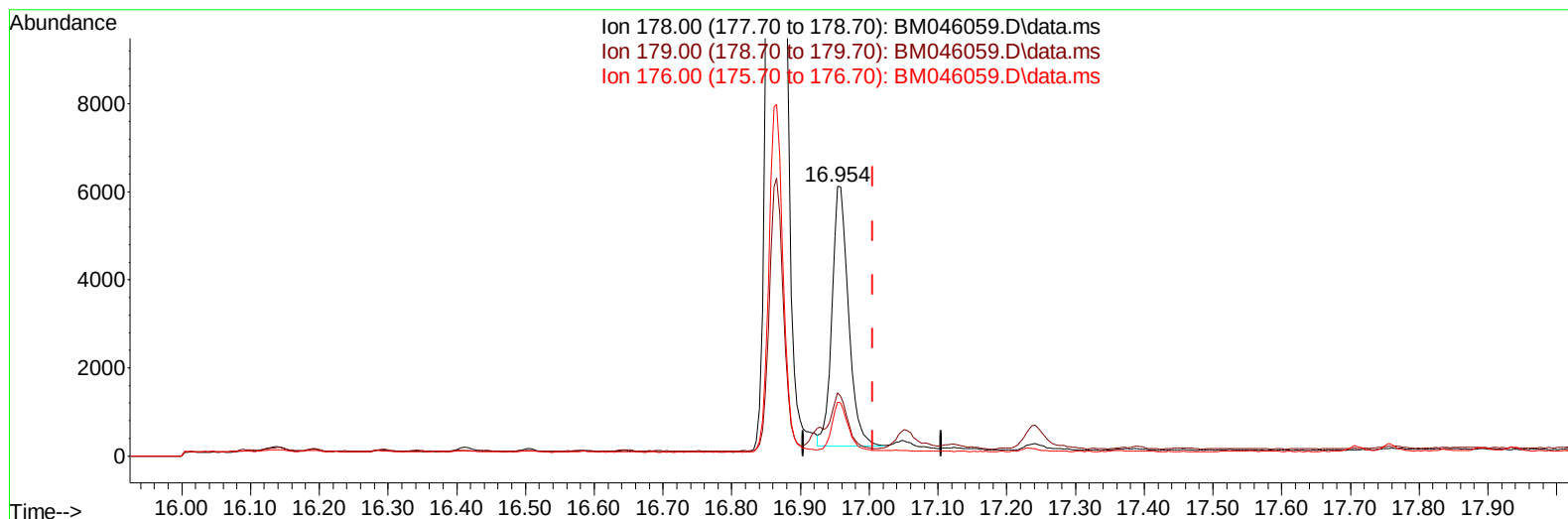
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046059.D
Acq On : 18 Jun 2024 20:02
Operator : MA/JU
Sample : P2695-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BJ9

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:23:49 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: BM046059.D\data.ms

(16) Anthracene

16.954min (-0.051) 0.40 ng/ul m

response 9832

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	23.57#
176.00	21.20	20.03
0.00	0.00	0.00

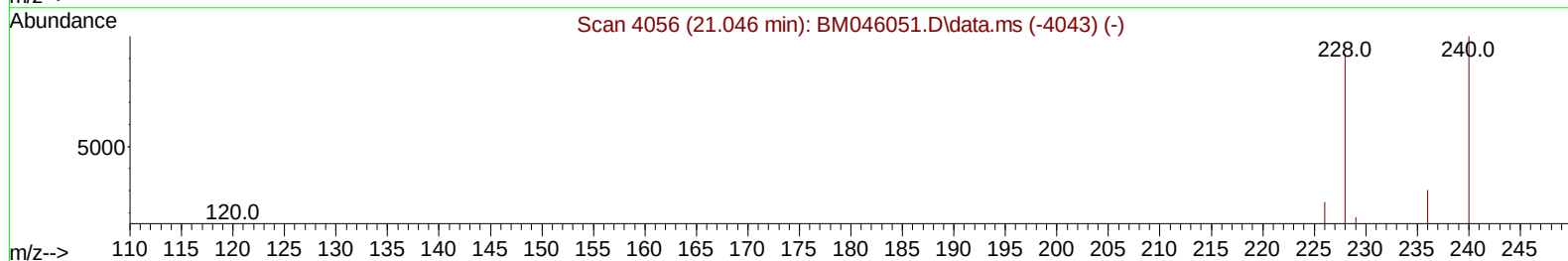
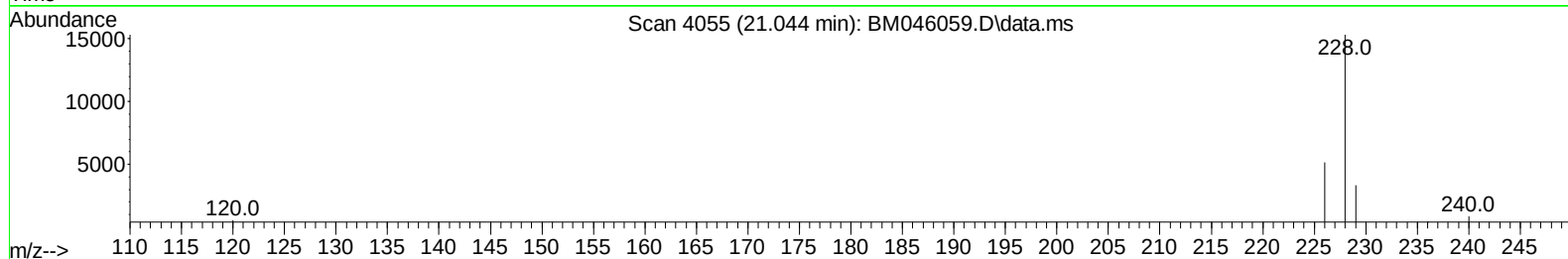
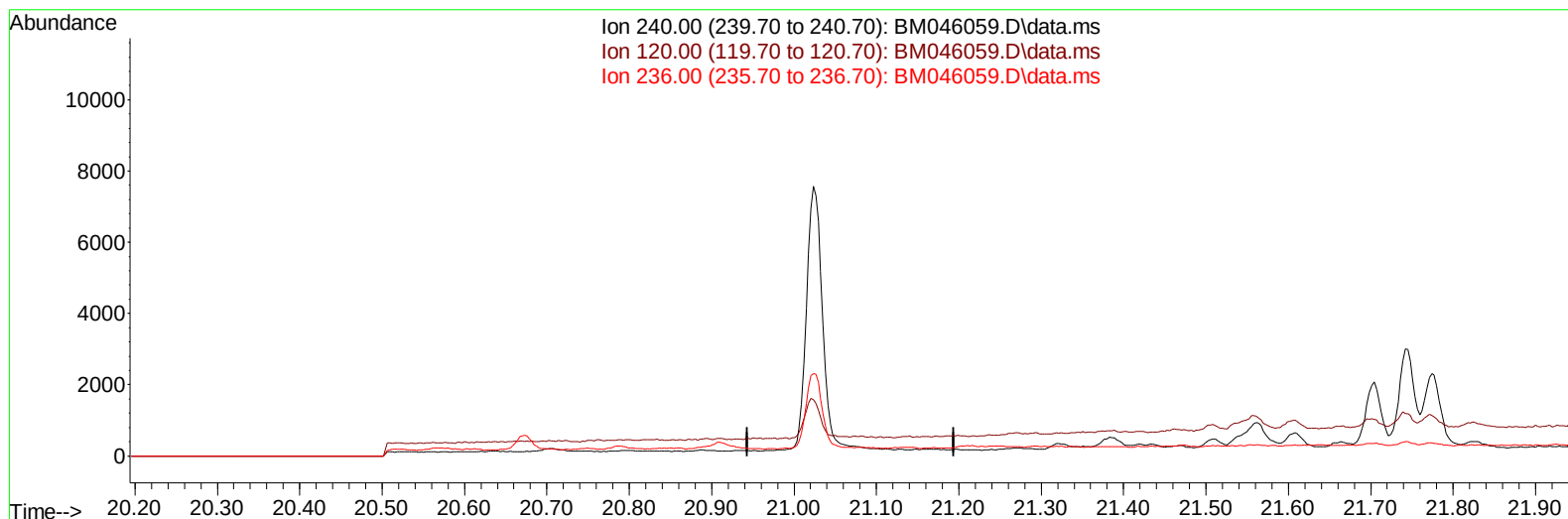
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046059.D
Acq On : 18 Jun 2024 20:02
Operator : MA/JU
Sample : P2695-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BJ9

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:23:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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TIC: BM046059.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

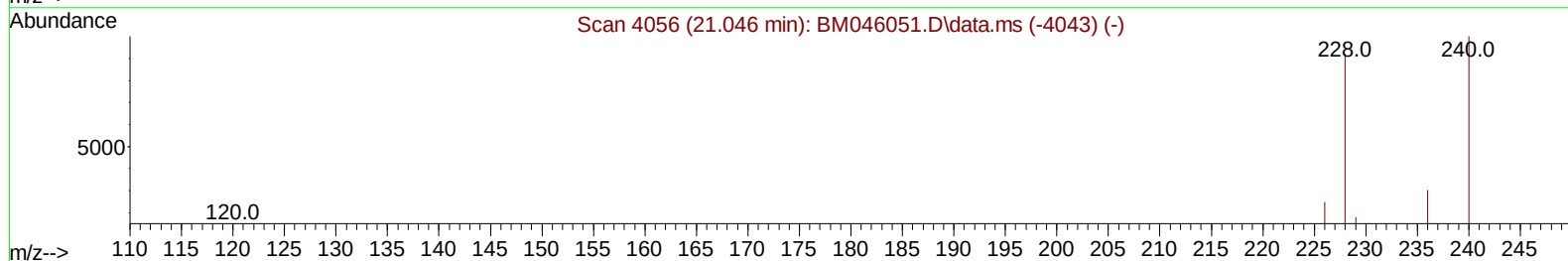
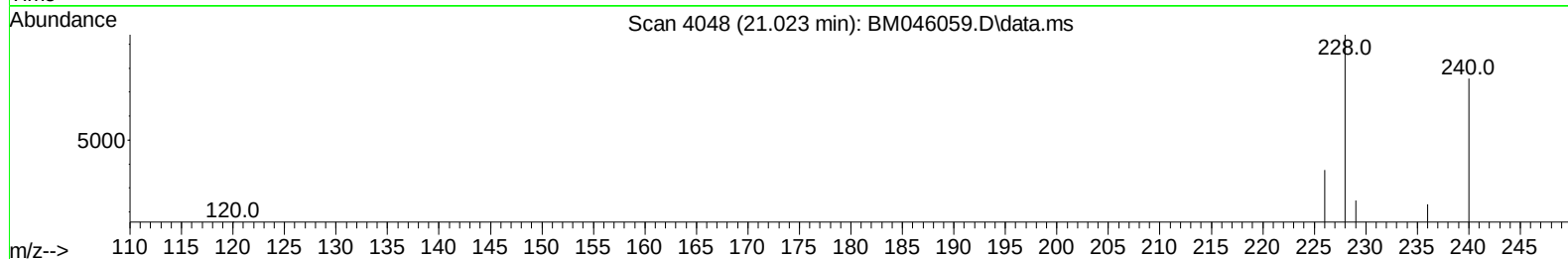
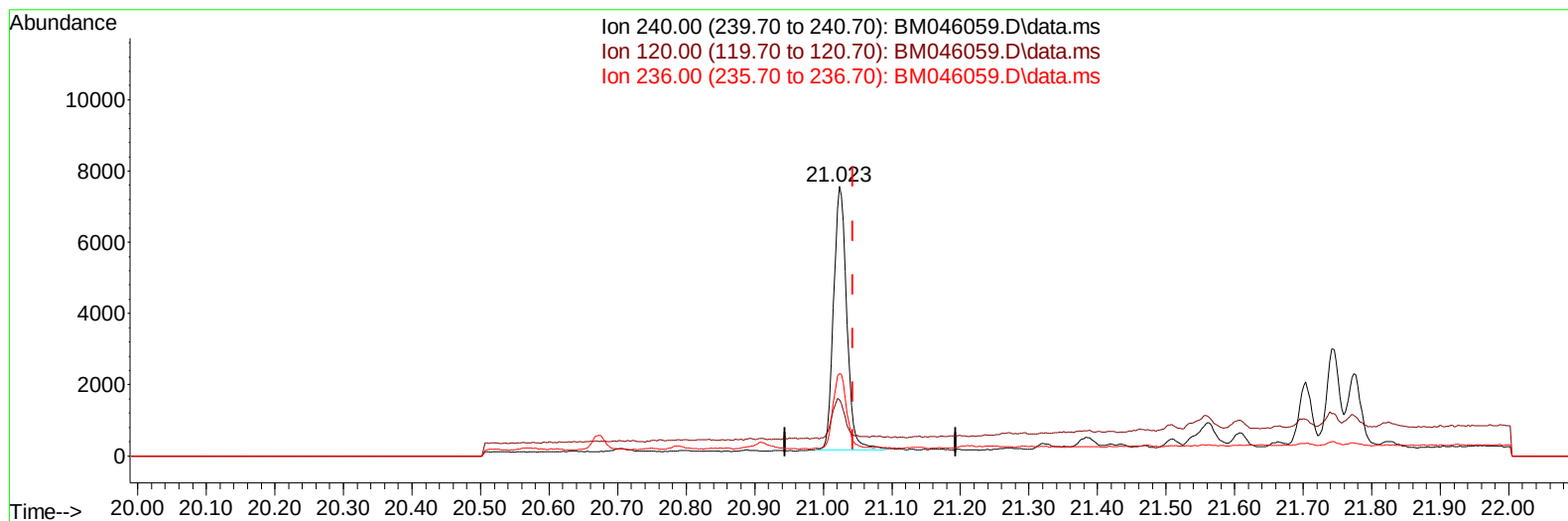
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046059.D
Acq On : 18 Jun 2024 20:02
Operator : MA/JU
Sample : P2695-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BJ9

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:23:49 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: BM046059.D\data.ms

(17) Chrysene-d12

21.023min (-0.020) 0.40 ng/ul m

response 9980

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	20.91
236.00	33.60	30.63
0.00	0.00	0.00

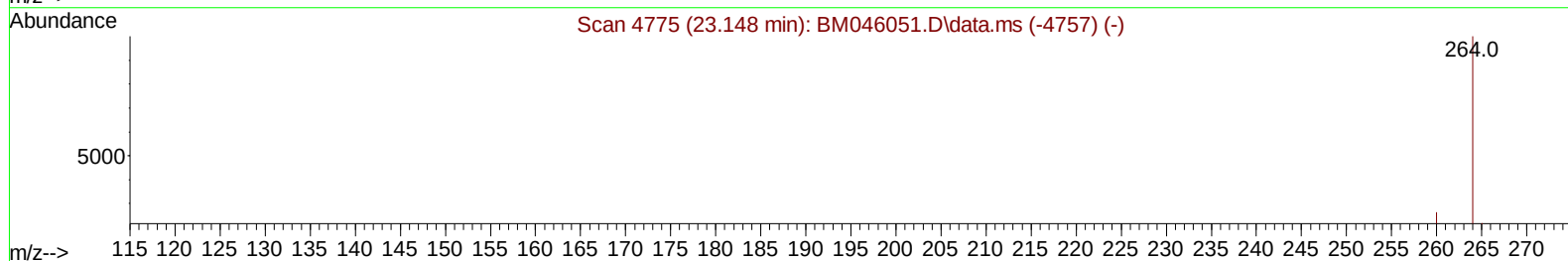
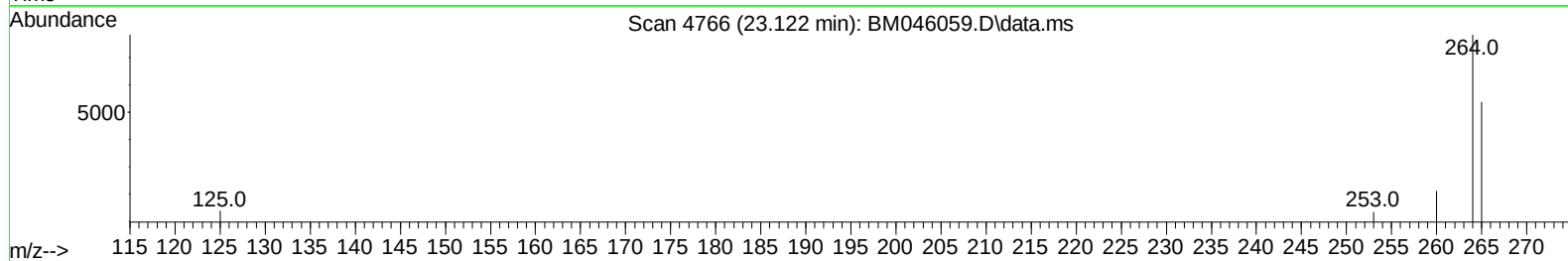
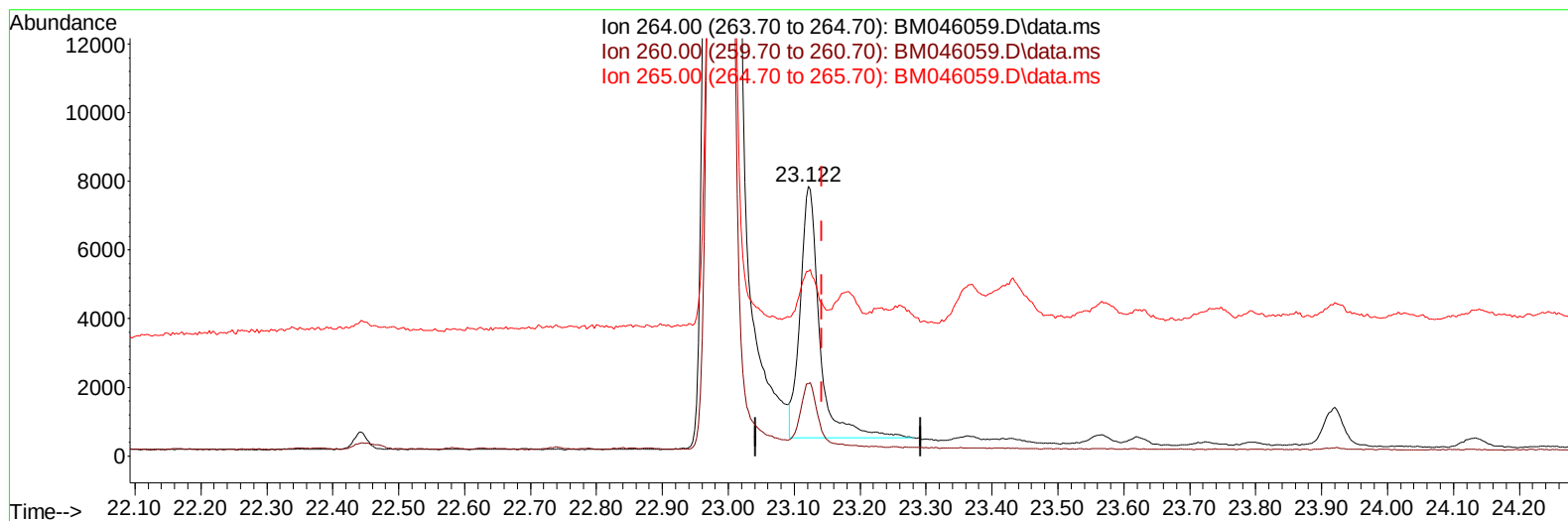
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046059.D
Acq On : 18 Jun 2024 20:02
Operator : MA/JU
Sample : P2695-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BJ9

Manual IntegrationsAPPROVED

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TIC: BM046059.D\data.ms

(23) Perylene-d12 (I)

23.122min (-0.021) 0.40 ng/u1

response 15212

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	26.87
265.00	110.60	68.42#
0.00	0.00	0.00

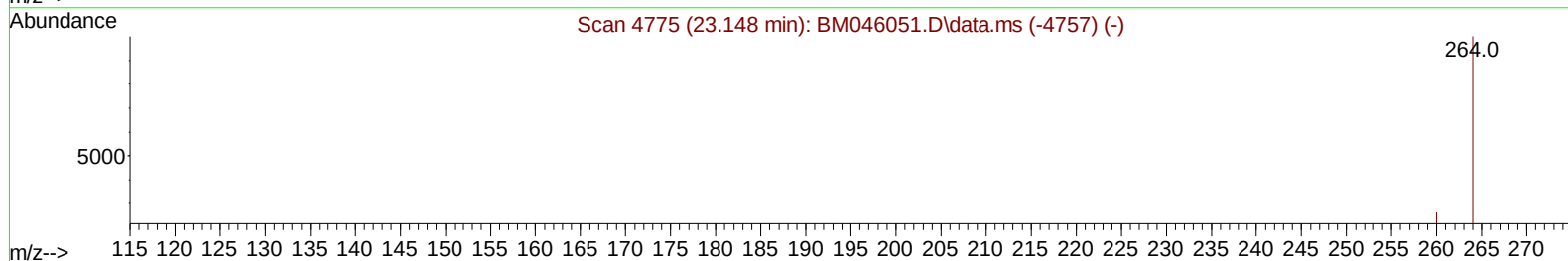
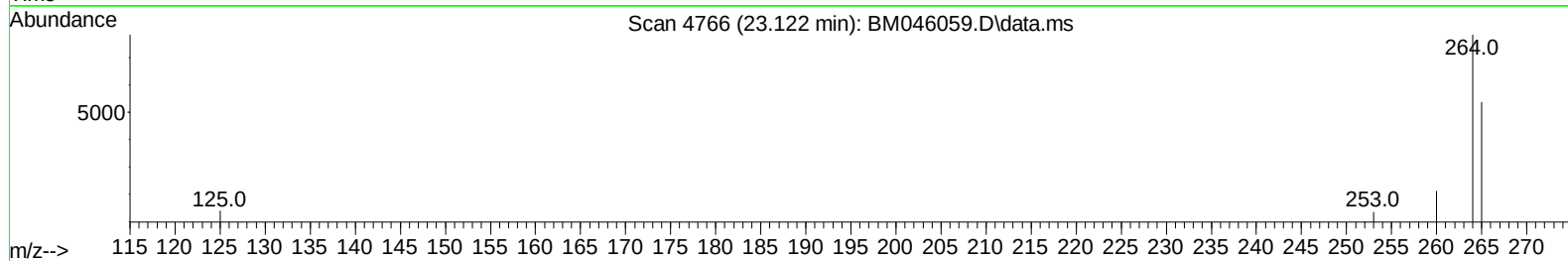
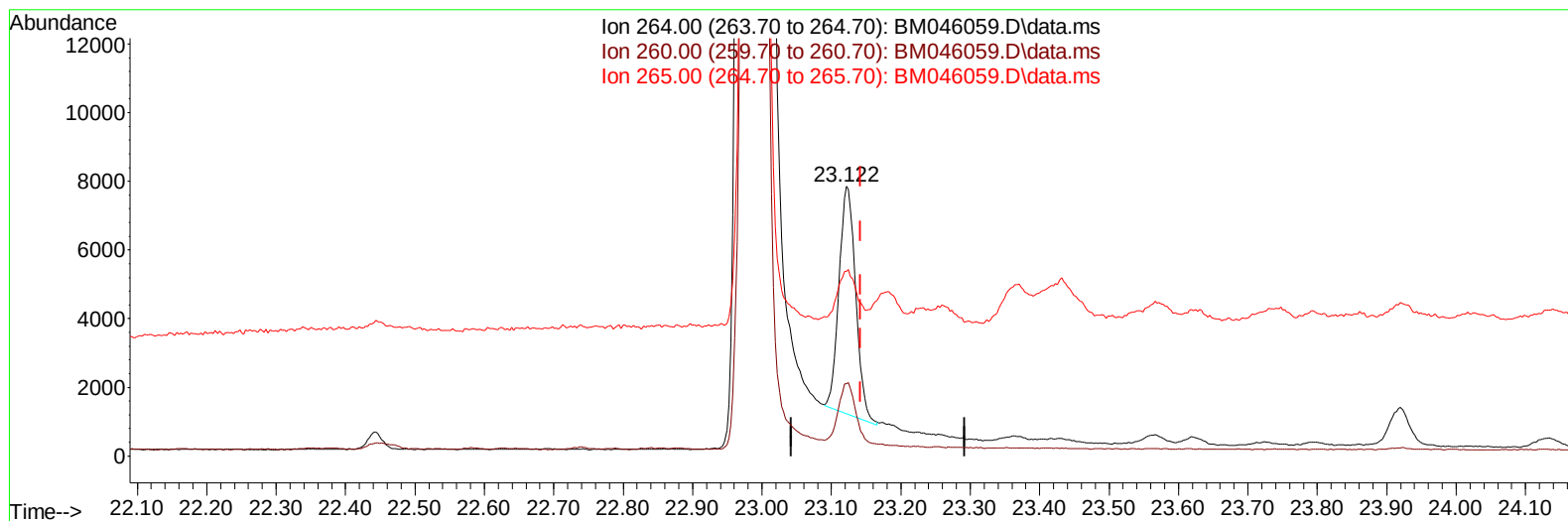
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046059.D
Acq On : 18 Jun 2024 20:02
Operator : MA/JU
Sample : P2695-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BJ9

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:23:49 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: BM046059.D\data.ms

(23) Perylene-d12 (I)

23.122min (-0.021) 0.40 ng/ul m

response 10999

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	26.87
265.00	110.60	68.42#
0.00	0.00	0.00

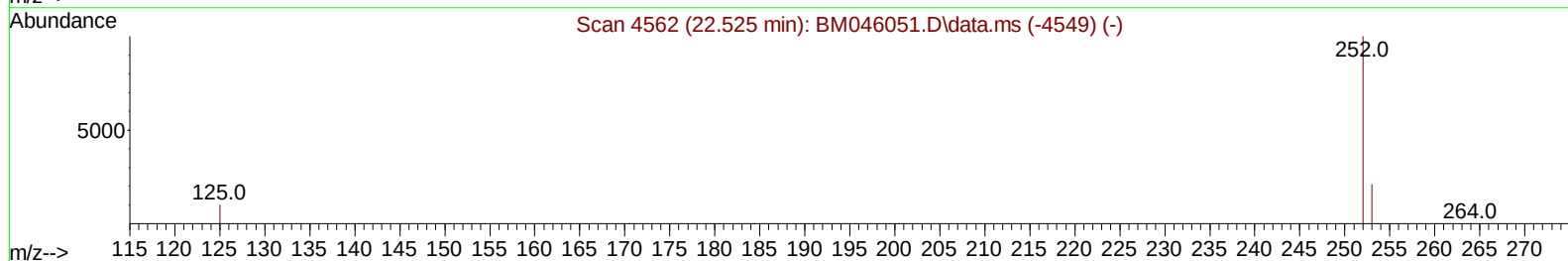
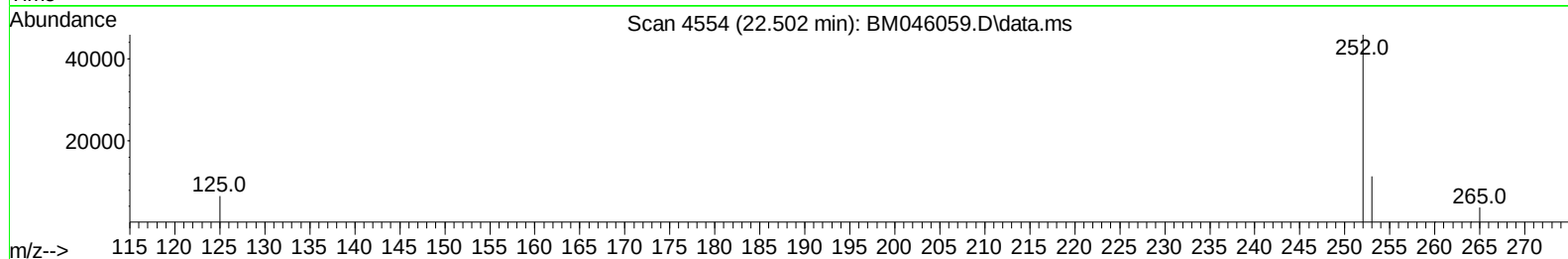
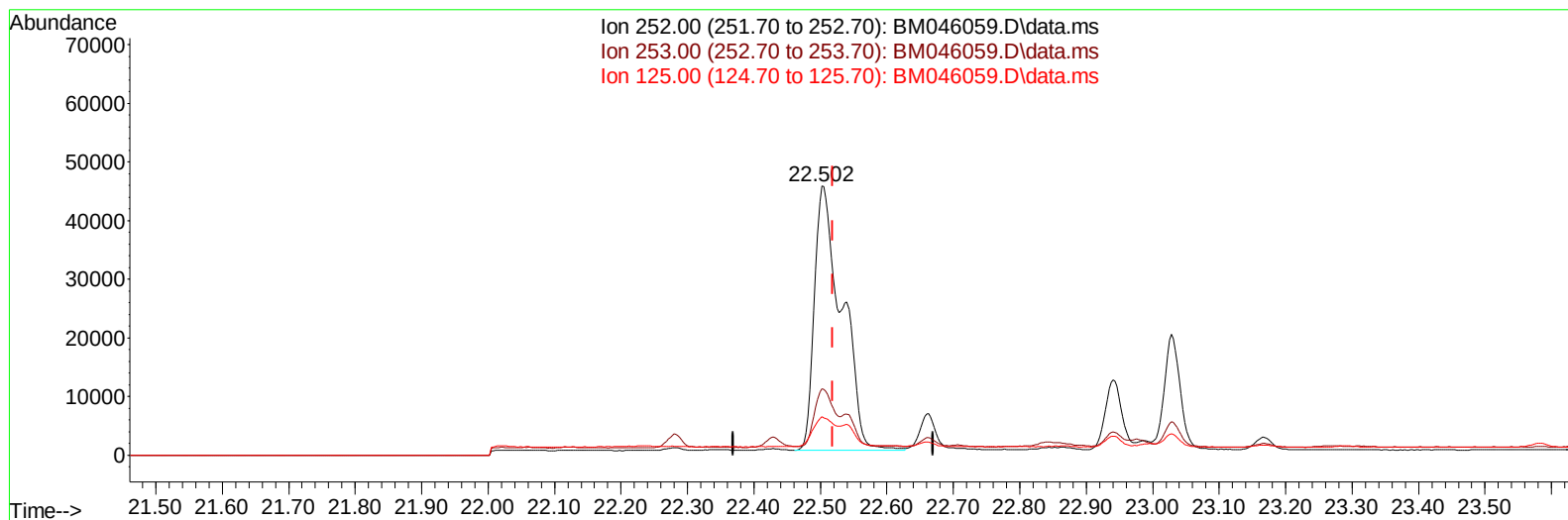
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046059.D
Acq On : 18 Jun 2024 20:02
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ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BJ9

Manual IntegrationsAPPROVED

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TIC: BM046059.D\data.ms

(24) Benzo(b)fluoranthene

22.502min (-0.018) 3.23 ng/u1

response 127930

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	24.74
125.00	20.10	14.25
0.00	0.00	0.00

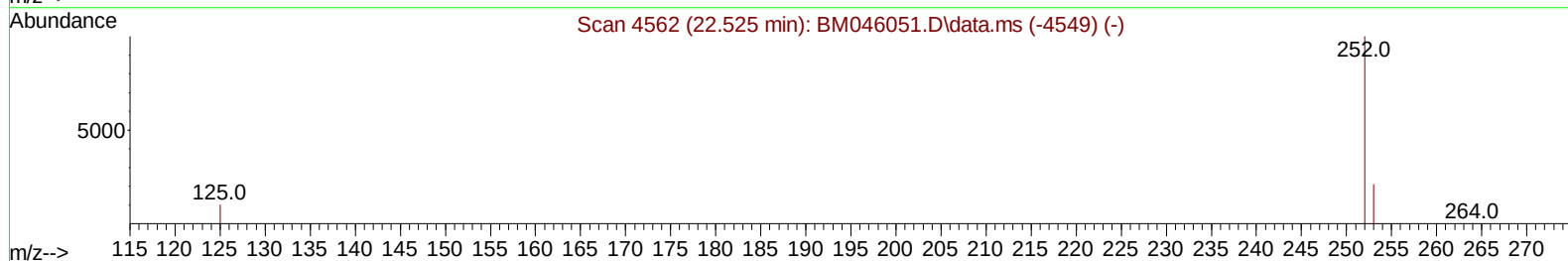
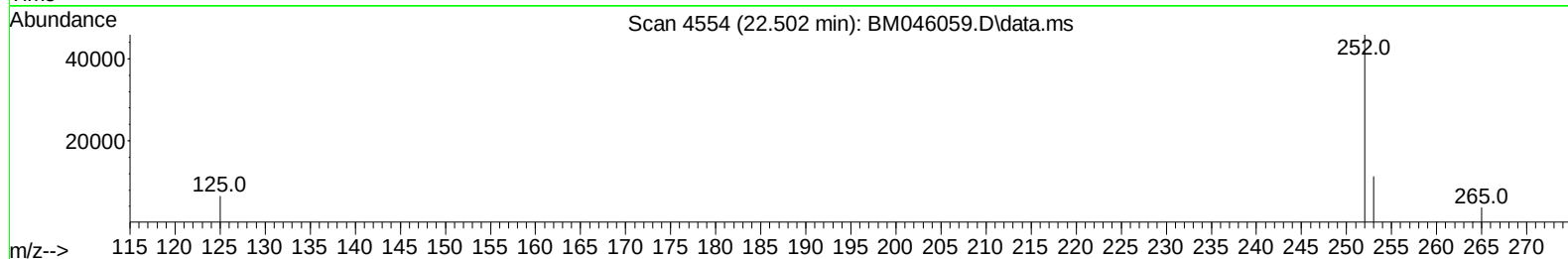
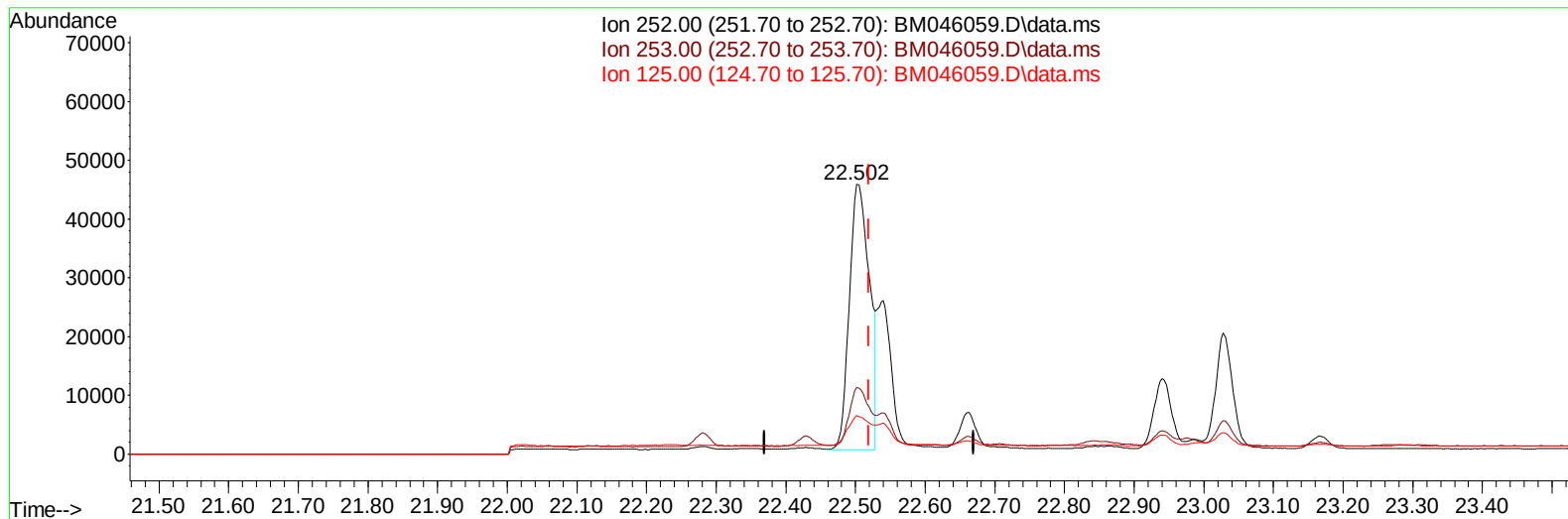
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046059.D
Acq On : 18 Jun 2024 20:02
Operator : MA/JU
Sample : P2695-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BJ9

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 06/21/2024



TIC: BM046059.D\data.ms

(24) Benzo(b)fluoranthene

22.502min (-0.018) 2.30 ng/u1 m

response 91216

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	24.74
125.00	20.10	14.25
0.00	0.00	0.00

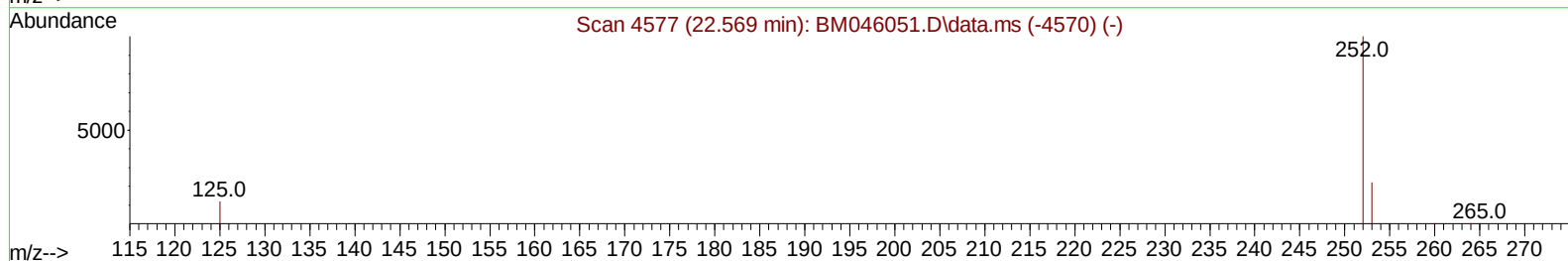
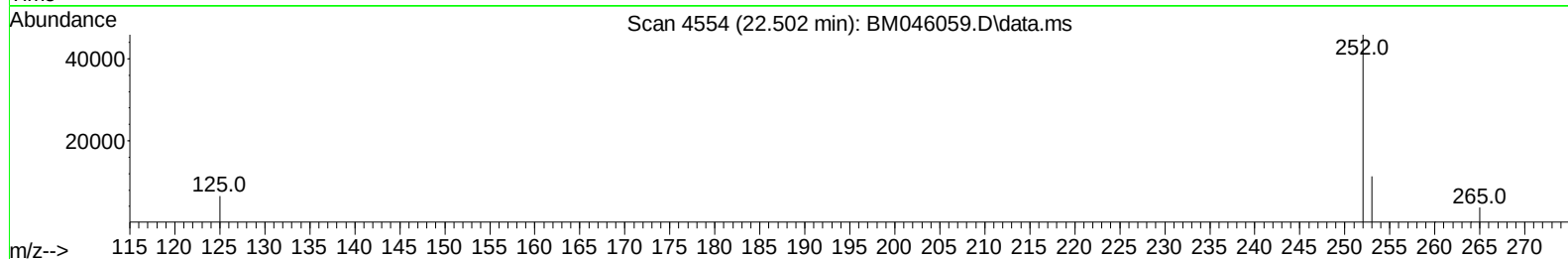
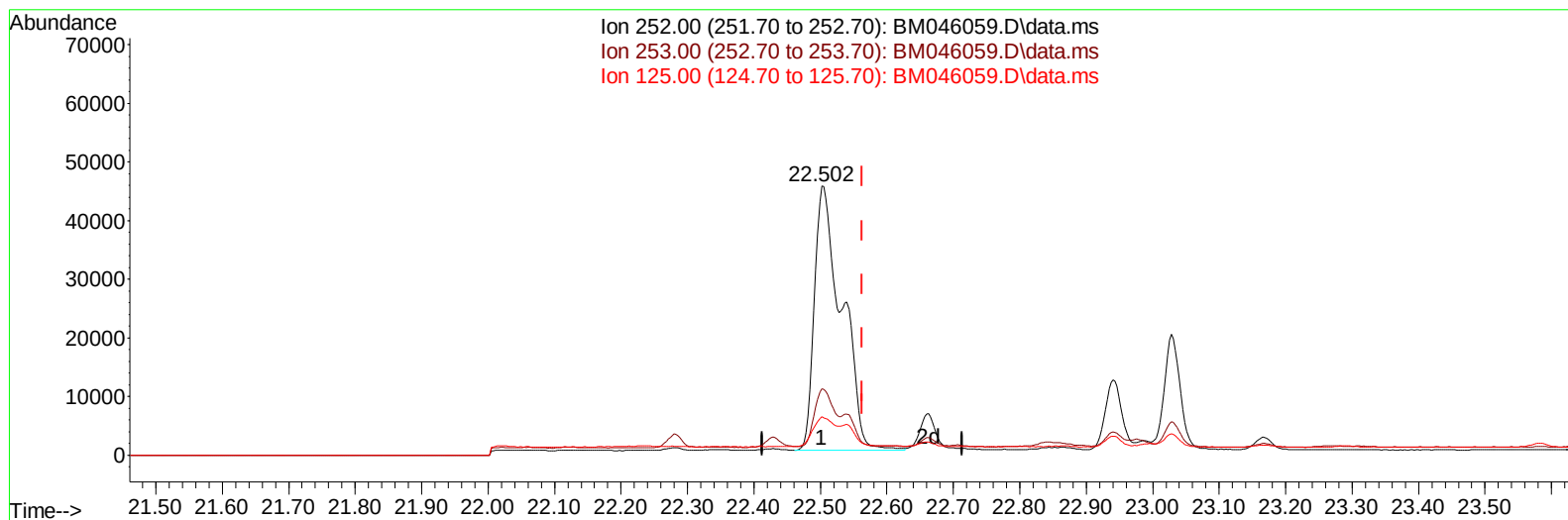
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046059.D
Acq On : 18 Jun 2024 20:02
Operator : MA/JU
Sample : P2695-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BJ9

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:23:49 2024
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Supervised By :mohammad ahmed 06/21/2024



TIC: BM046059.D\data.ms

(25) Benzo(k)fluoranthene

22.502min (-0.061) 2.72 ng/u1

response 127930

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	24.74#
125.00	20.80	14.25#
0.00	0.00	0.00

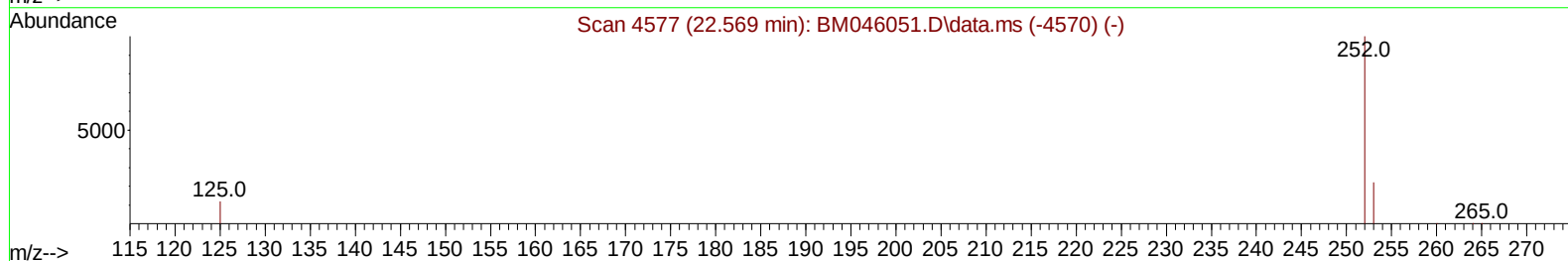
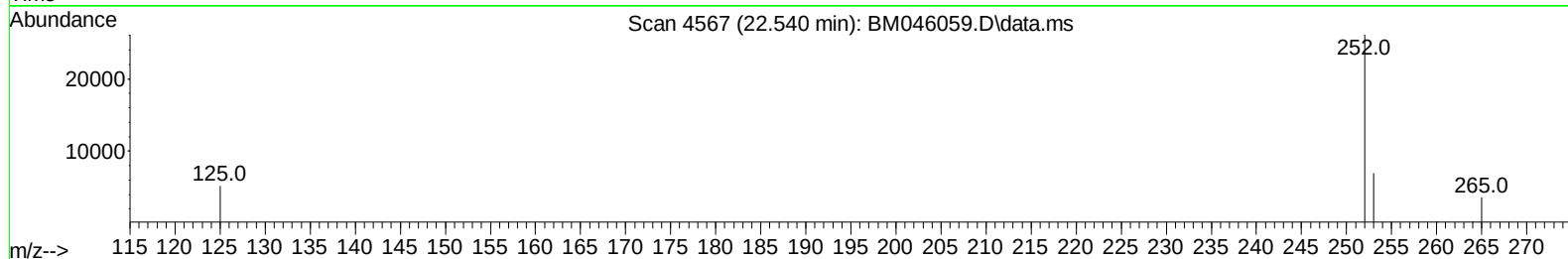
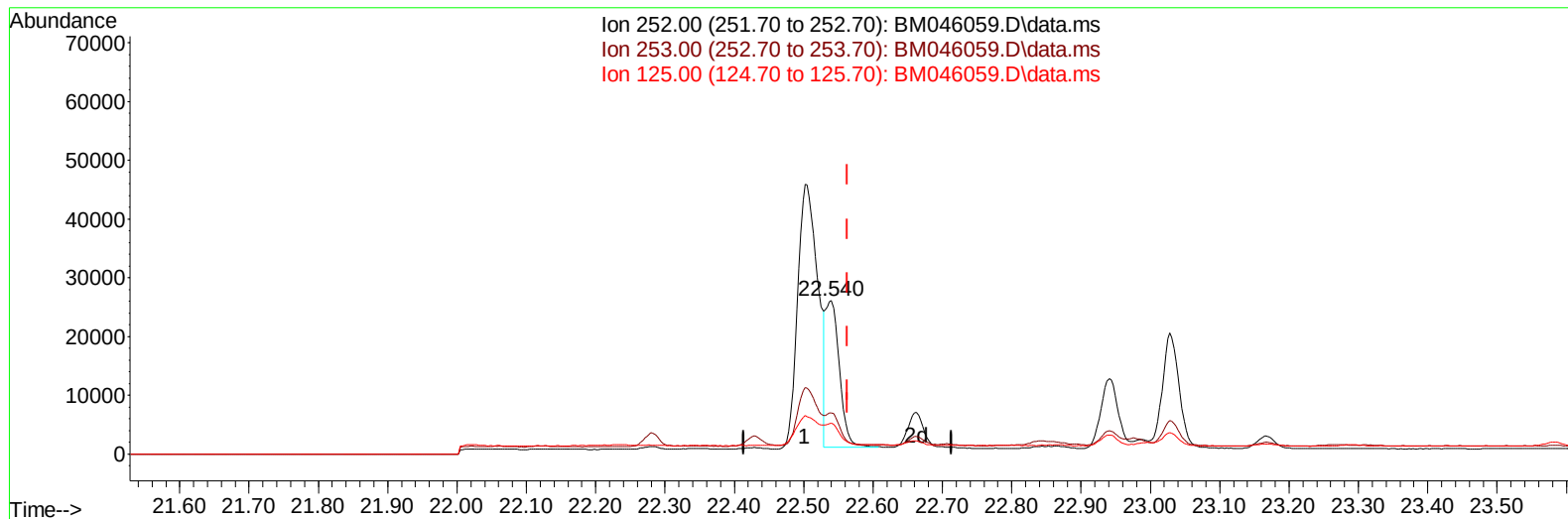
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046059.D
Acq On : 18 Jun 2024 20:02
Operator : MA/JU
Sample : P2695-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BJ9

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:23:49 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 06/19/2024
Supervised By :mohammad ahmed 06/21/2024



TIC: BM046059.D\data.ms

(25) Benzo(k)fluoranthene

22.540min (-0.023) 0.76 ng/u1 m

response 35577

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	26.62#
125.00	20.80	19.94
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	7.434	152	3499	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.204	136	9975	0.400	ng/ul	#-0.05
9) Acenaphthene-d10	14.084	164	5453	0.400	ng/ul	-0.03
13) Phenanthrene-d10	16.823	188	11684m	0.400	ng/ul	-0.04
17) Chrysene-d12	21.023	240	9980m	0.400	ng/ul	-0.02
23) Perylene-d12	23.122	264	10999m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.037	96	17405	3.626	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.832	152	3680	0.275	ng/ul	-0.03
18) Fluoranthene-d10	18.857	212	9117	0.305	ng/ul	-0.03
Target Compounds						
					Qvalue	
5) Naphthalene	10.253	128	2235	0.080	ng/ul#	94
7) 2-Methylnaphthalene	11.903	142	658	0.042	ng/ul	99
8) 1-Methylnaphthalene	12.118	142	493	0.029	ng/ul	94
10) Acenaphthylene	13.798	152	3402	0.132	ng/ul#	95
11) Acenaphthene	14.145	153	2114	0.113	ng/ul	98
12) Fluorene	15.135	166	2541	0.127	ng/ul	98
15) Phenanthrene	16.866	178	58990m	1.797	ng/ul	
16) Anthracene	16.954	178	9832m	0.402	ng/ul	
19) Fluoranthene	18.885	202	131938	3.053	ng/ul	99
20) Pyrene	19.252	202	91576	1.960	ng/ul	96
21) Benzo(a)anthracene	21.006	228	54733	1.420	ng/ul	100
22) Chrysene	21.059	228	64403	1.309	ng/ul	99
24) Benzo(b)fluoranthene	22.502	252	91216m	2.302	ng/ul	
25) Benzo(k)fluoranthene	22.540	252	35577m	0.755	ng/ul	
26) Benzo(a)pyrene	23.028	252	33276	0.906	ng/ul#	81
27) Indeno(1,2,3-cd)pyrene	25.172	276	36171	0.602	ng/ul#	93
28) Dibenzo(a,h)anthracene	25.179	278	11224	0.251	ng/ul#	92
29) Benzo(g,h,i)perylene	25.803	276	5776	0.112	ng/ul#	81

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

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