

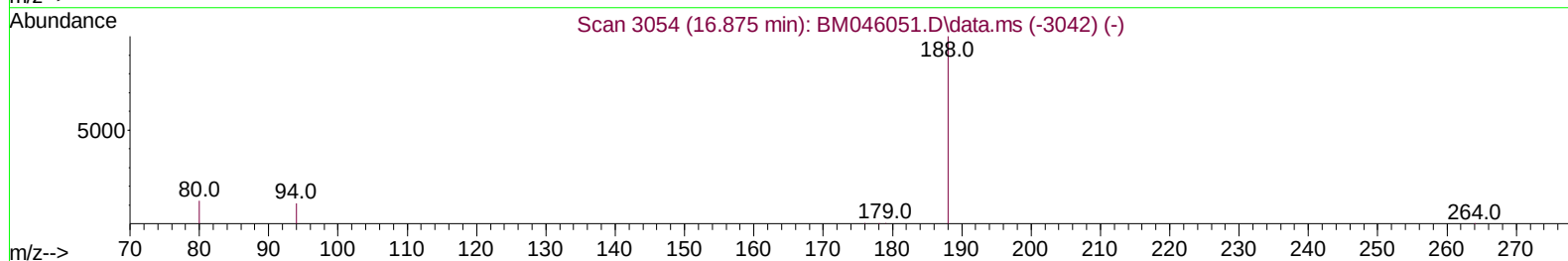
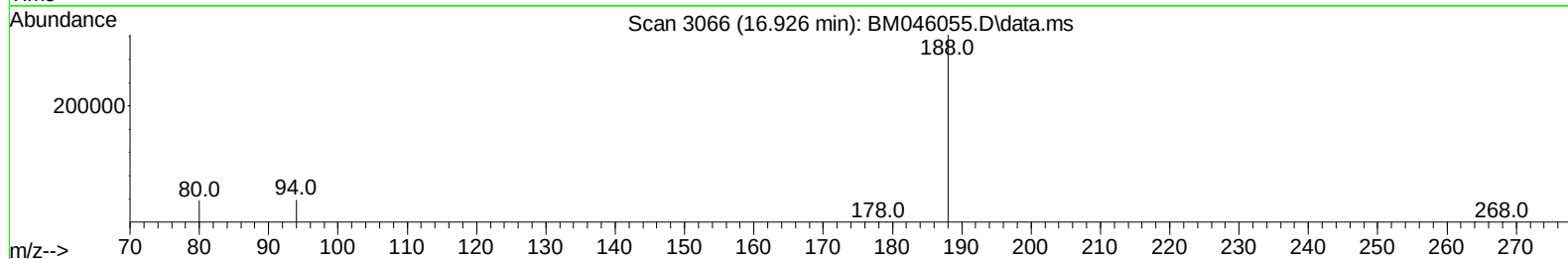
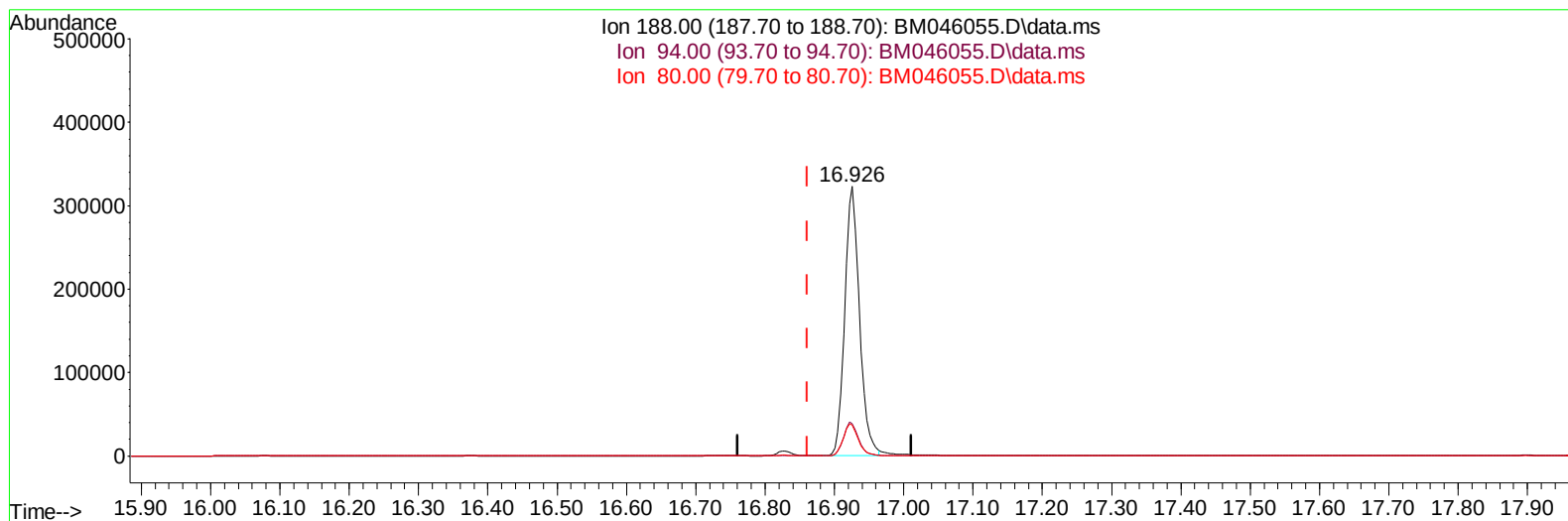
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046055.D
Acq On : 18 Jun 2024 17:35
Operator : MA/JU
Sample : P2695-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BJ4

Manual IntegrationsAPPROVED

Quant Time: Jun 18 18:56:43 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: BM046055.D\data.ms

(13) Phenanthrene-d10 (I)

16.926min (+ 0.065) 0.40 ng/u1

response 477477

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.02
80.00	15.20	11.43#
0.00	0.00	0.00

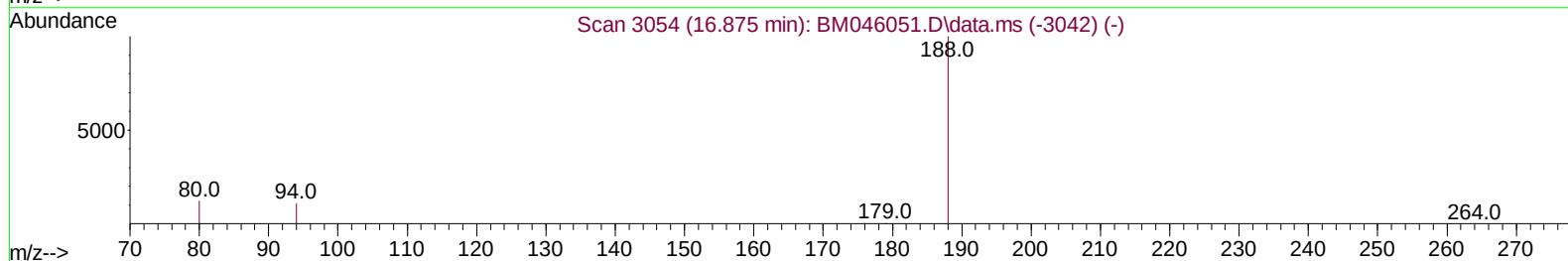
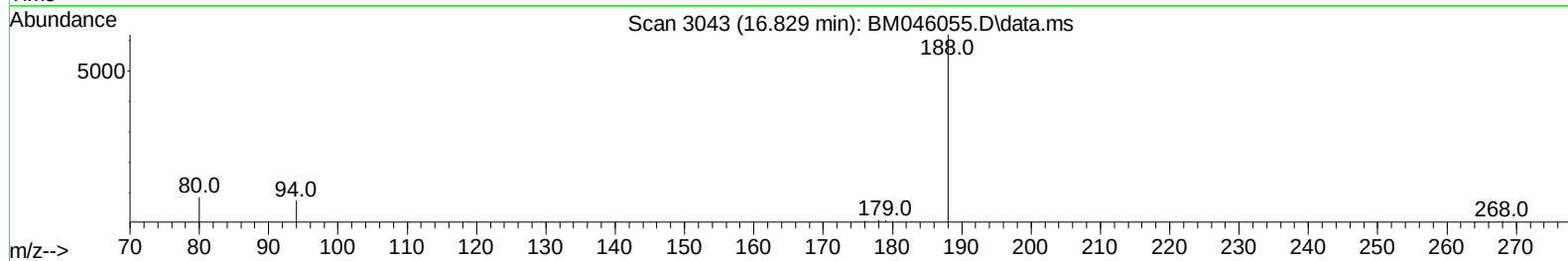
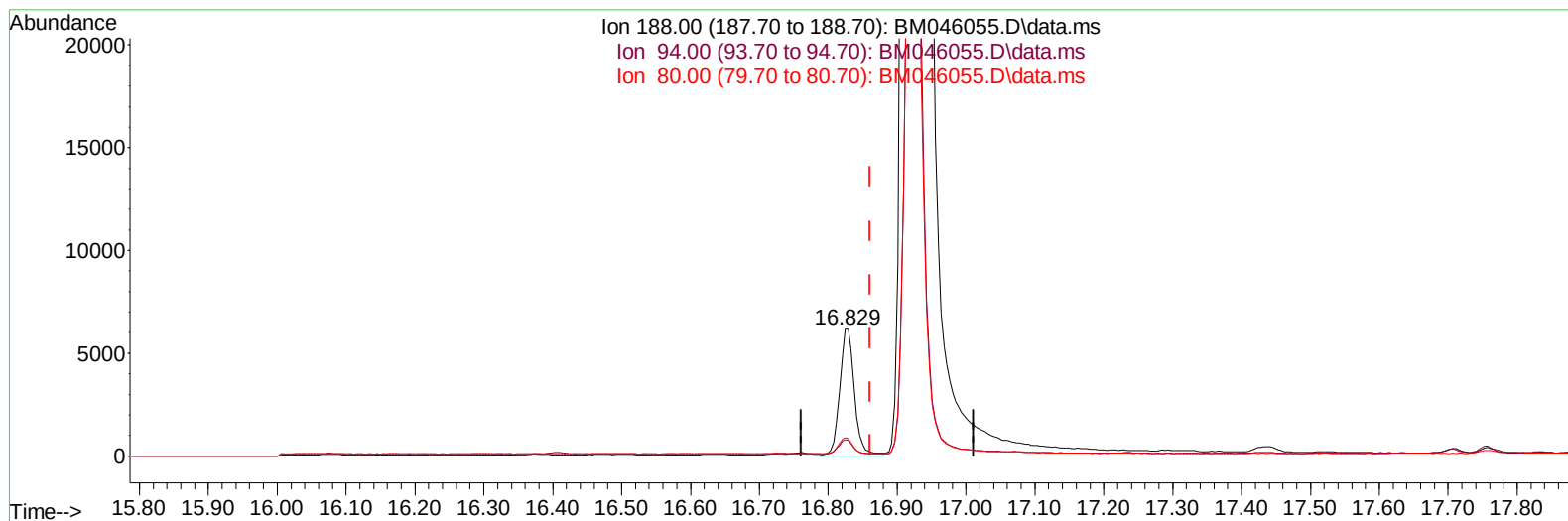
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046055.D
Acq On : 18 Jun 2024 17:35
Operator : MA/JU
Sample : P2695-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BJ4

Manual IntegrationsAPPROVED

Quant Time: Jun 18 18:56:43 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: BM046055.D\data.ms

(13) Phenanthrene-d10 (I)

16.829min (-0.032) 0.40 ng/ul m

response 9243

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.19
80.00	15.20	13.89
0.00	0.00	0.00

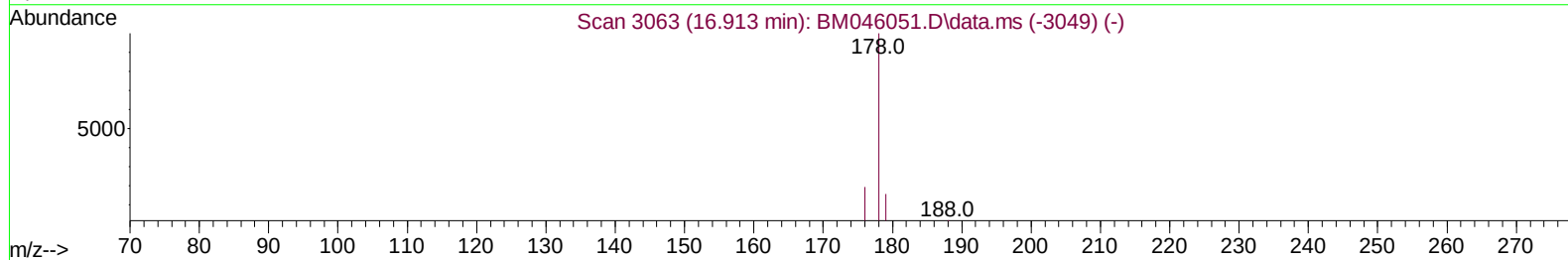
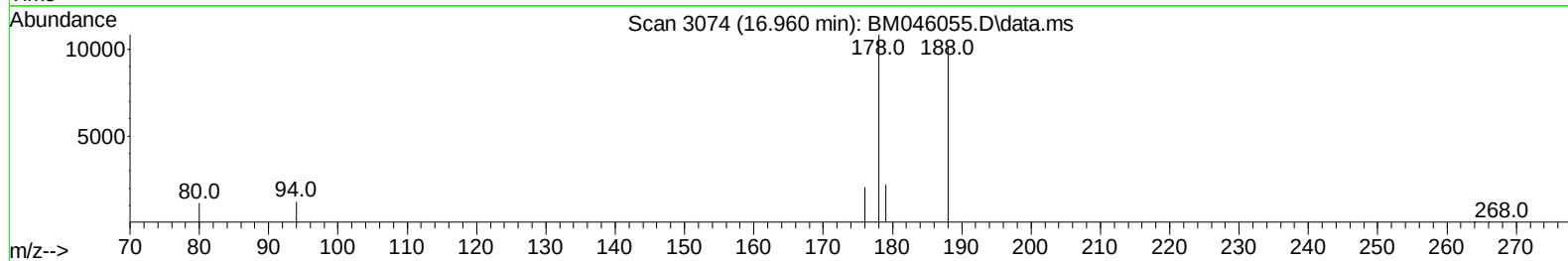
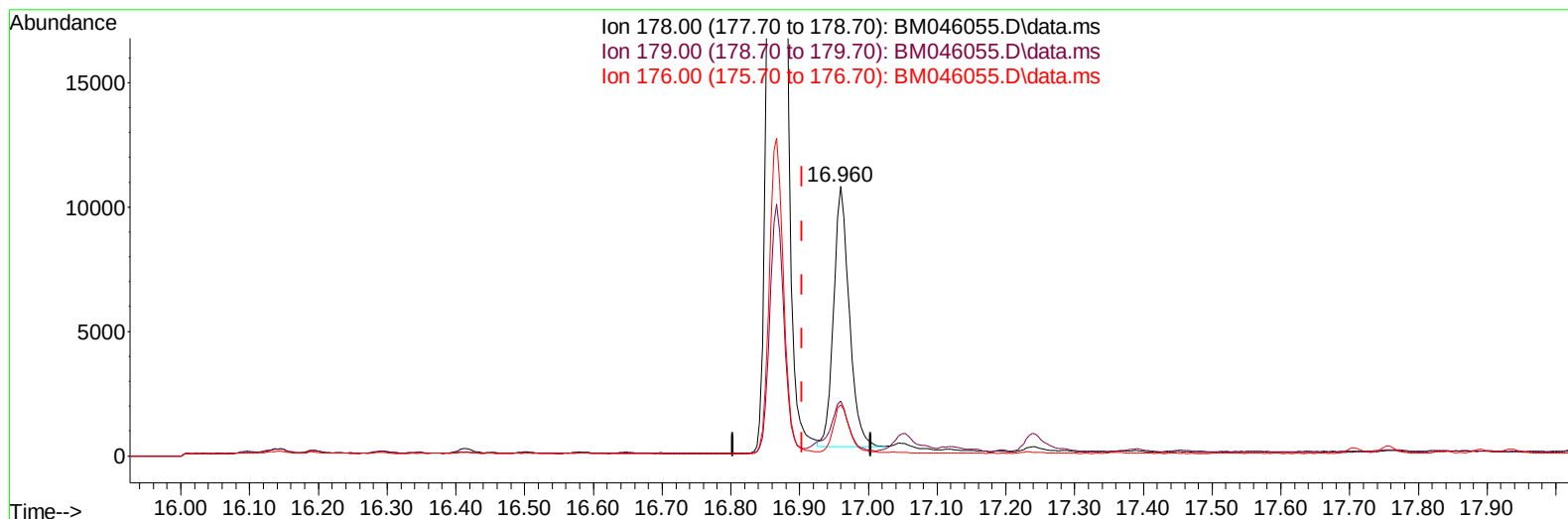
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
 Data File : BM046055.D
 Acq On : 18 Jun 2024 17:35
 Operator : MA/JU
 Sample : P2695-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BJ4

Manual IntegrationsAPPROVED

Quant Time: Jun 18 18:56:43 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: BM046055.D\data.ms

(15) Phenanthrene

16.960min (+ 0.056) 0.63 ng/u1

response 16455

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	20.51
176.00	21.40	19.08
0.00	0.00	0.00

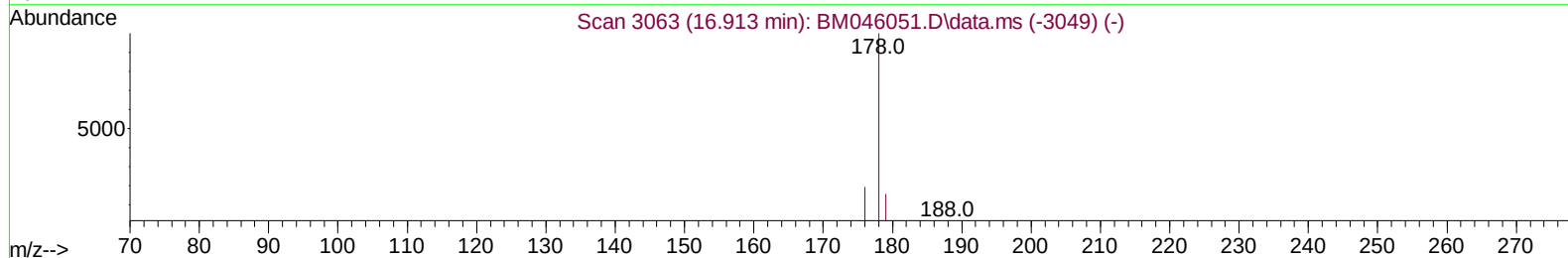
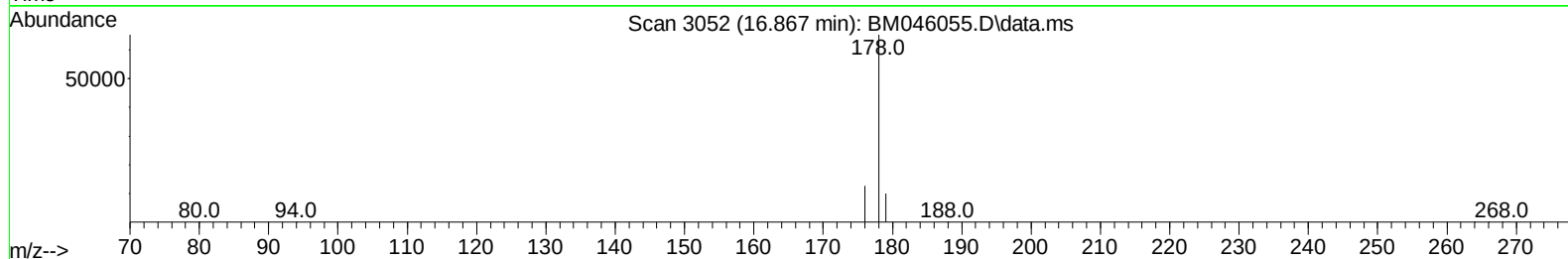
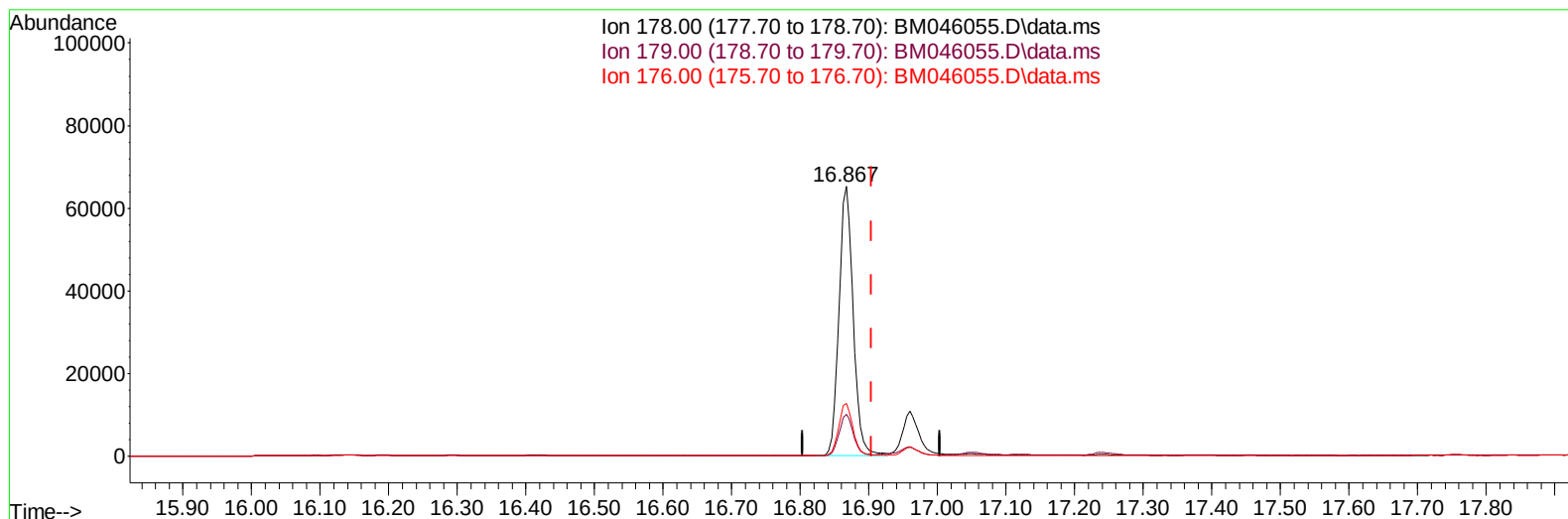
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046055.D
Acq On : 18 Jun 2024 17:35
Operator : MA/JU
Sample : P2695-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BJ4

Manual IntegrationsAPPROVED

Quant Time: Jun 18 18:56:43 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: BM046055.D\data.ms

(15) Phenanthrene

16.867min (-0.037) 3.63 ng/ul m

response 94340

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.49
176.00	21.40	19.56
0.00	0.00	0.00

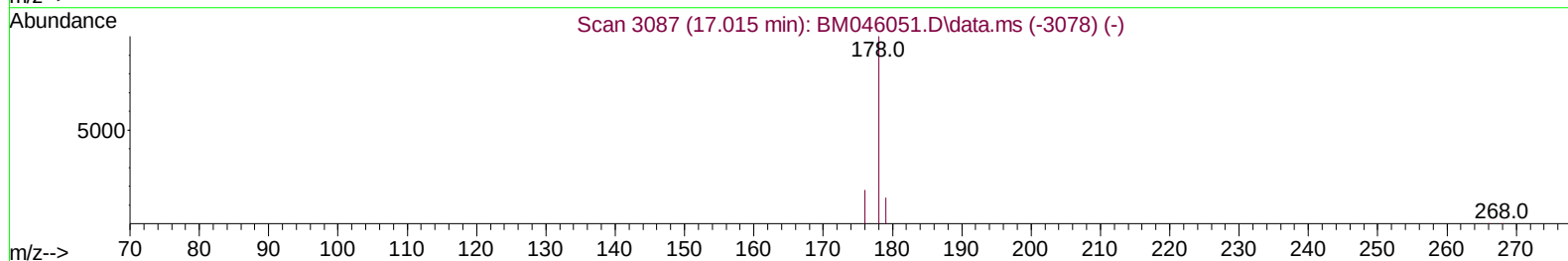
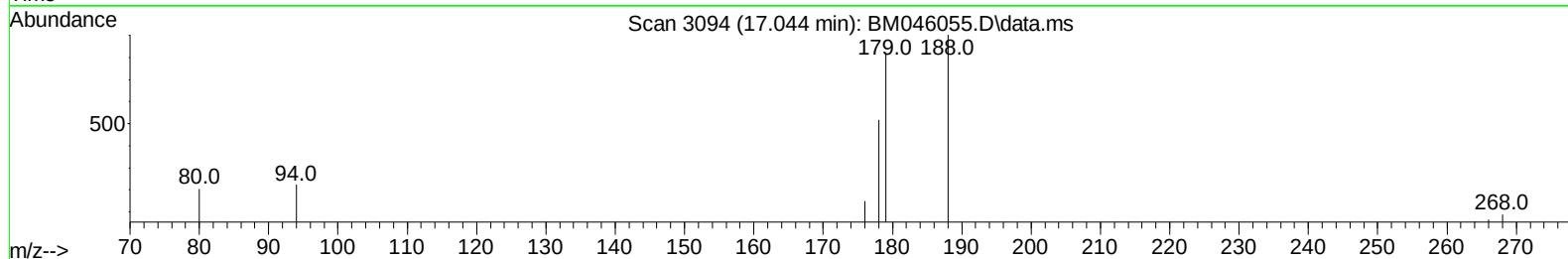
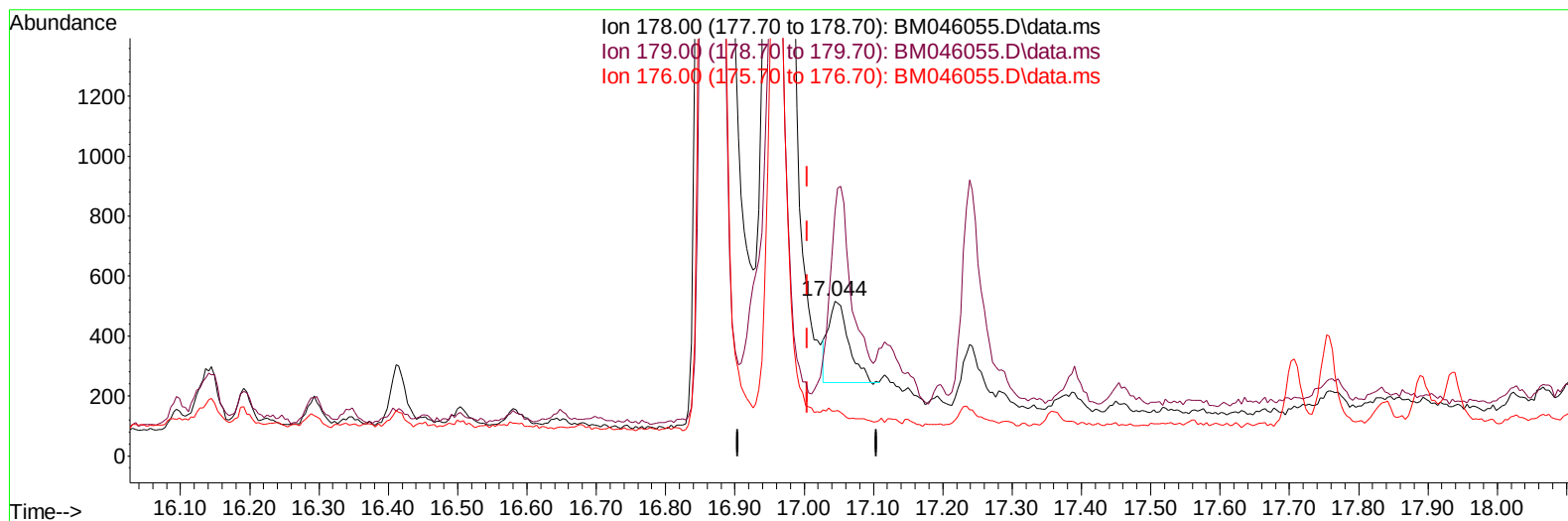
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046055.D
Acq On : 18 Jun 2024 17:35
Operator : MA/JU
Sample : P2695-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BJ4

Manual IntegrationsAPPROVED

Quant Time: Jun 18 18:56:43 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: BM046055.D\data.ms

(16) Anthracene

17.044min (+ 0.039) 0.03 ng/u1

response 559

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	157.83#
176.00	21.20	29.01#
0.00	0.00	0.00

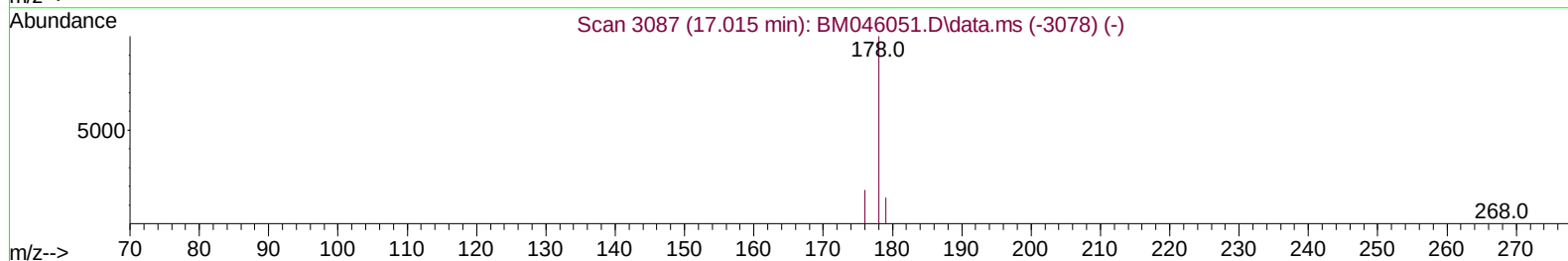
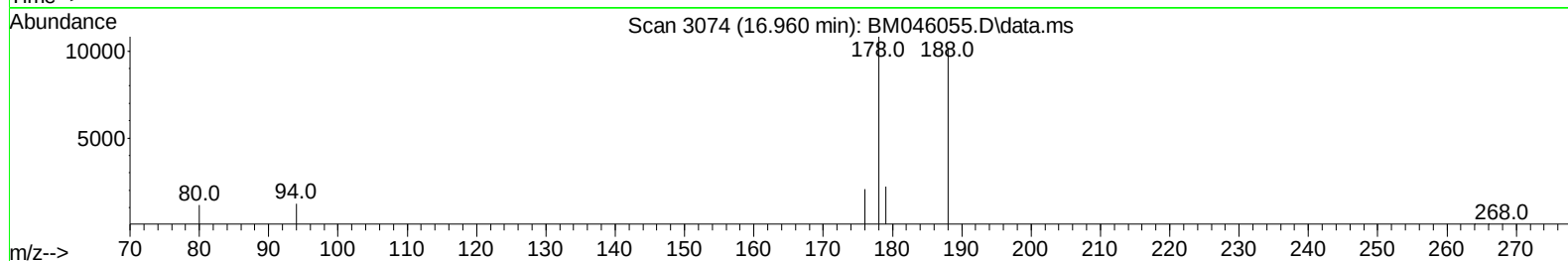
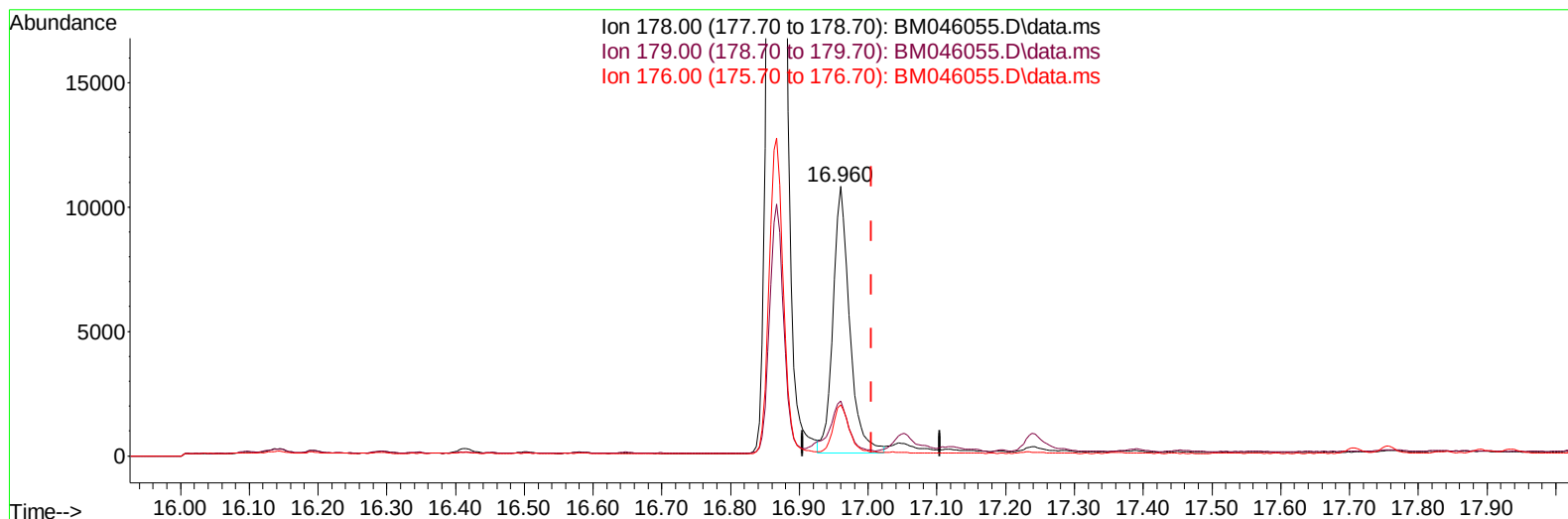
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046055.D
Acq On : 18 Jun 2024 17:35
Operator : MA/JU
Sample : P2695-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BJ4

Manual IntegrationsAPPROVED

Quant Time: Jun 18 18:56:43 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: BM046055.D\data.ms

(16) Anthracene

16.960min (-0.045) 0.92 ng/ul m

response 17865

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	20.51
176.00	21.20	19.08
0.00	0.00	0.00

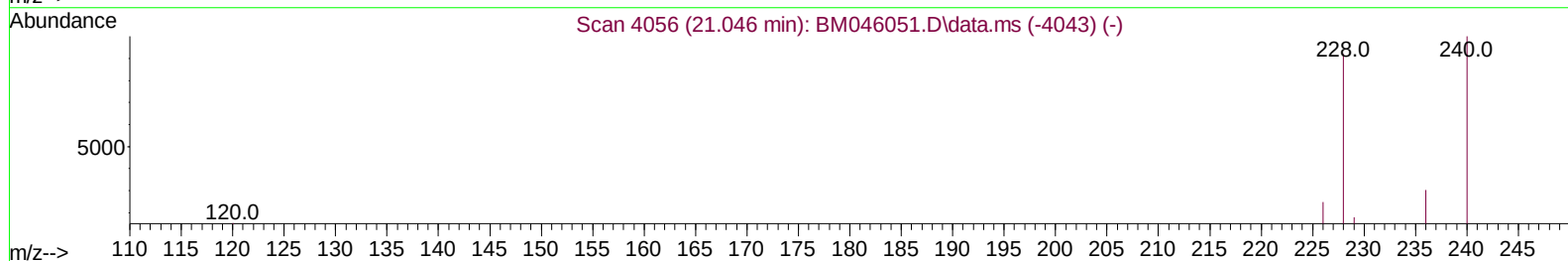
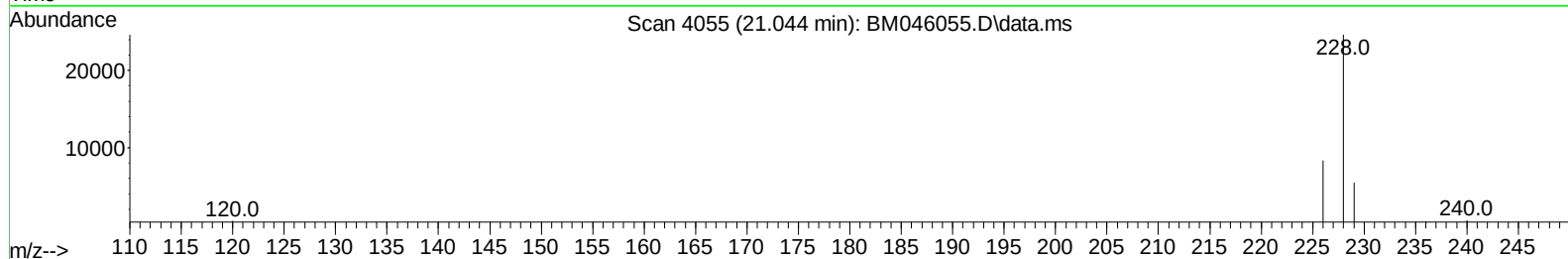
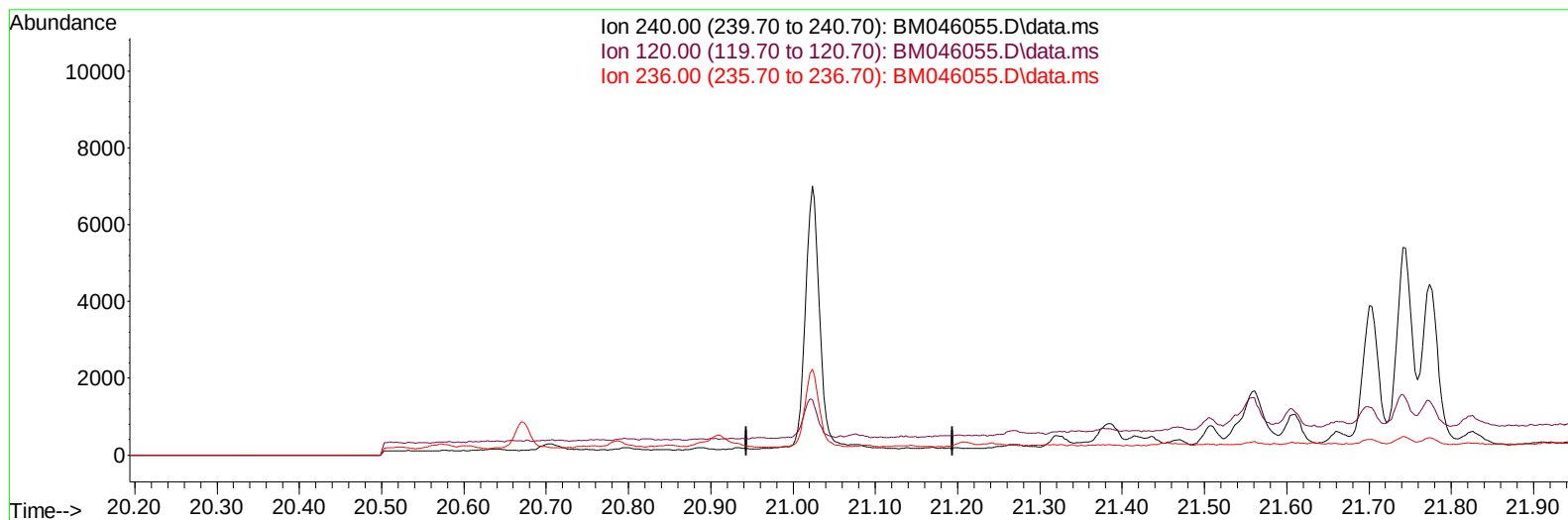
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046055.D
Acq On : 18 Jun 2024 17:35
Operator : MA/JU
Sample : P2695-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BJ4

Manual IntegrationsAPPROVED

Quant Time: Jun 18 18:56:43 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: BM046055.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

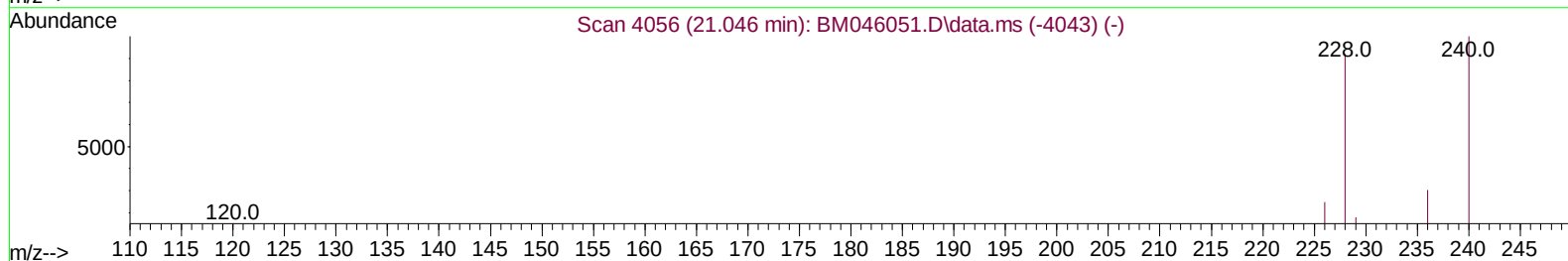
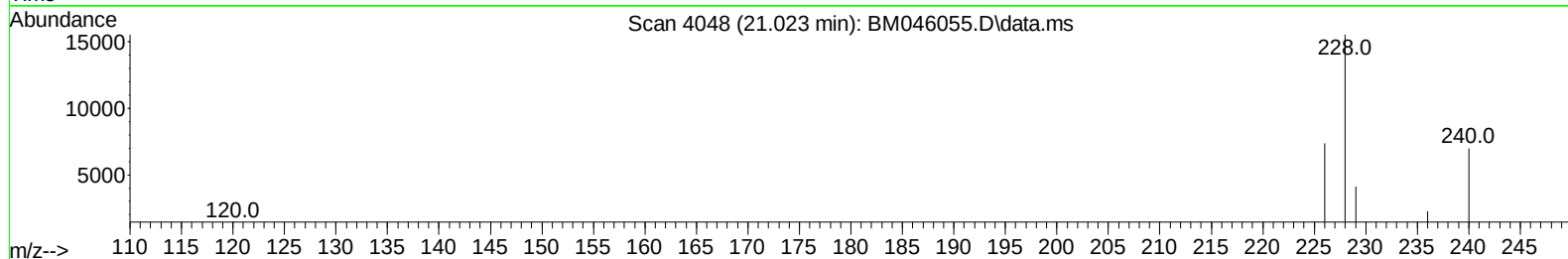
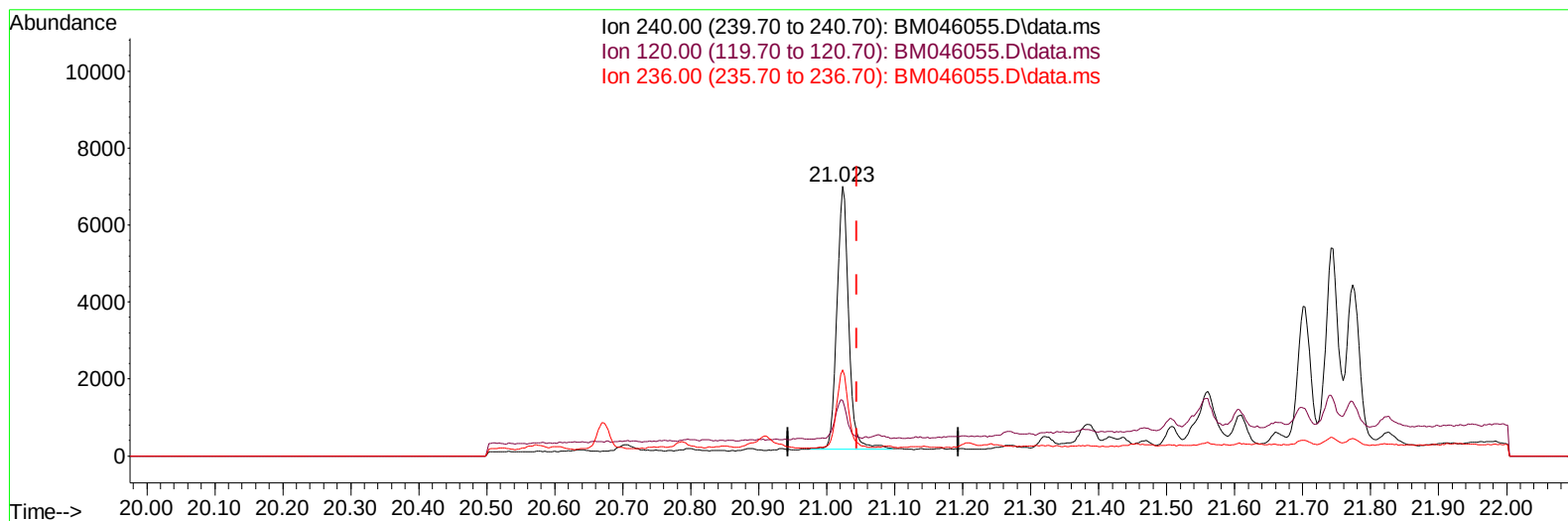
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046055.D
Acq On : 18 Jun 2024 17:35
Operator : MA/JU
Sample : P2695-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BJ4

Manual IntegrationsAPPROVED

Quant Time: Jun 18 18:56:43 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: BM046055.D\data.ms

(17) Chrysene-d12

21.023min (-0.021) 0.40 ng/ul m

response 8278

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	20.62
236.00	33.60	31.98
0.00	0.00	0.00

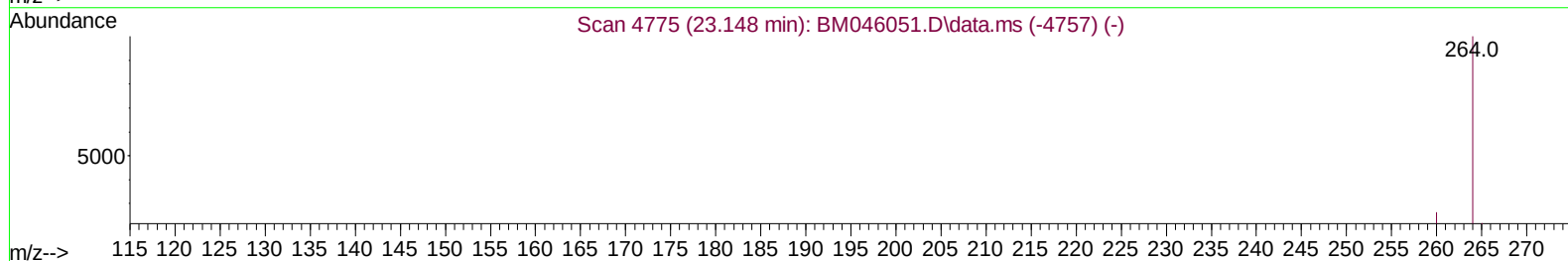
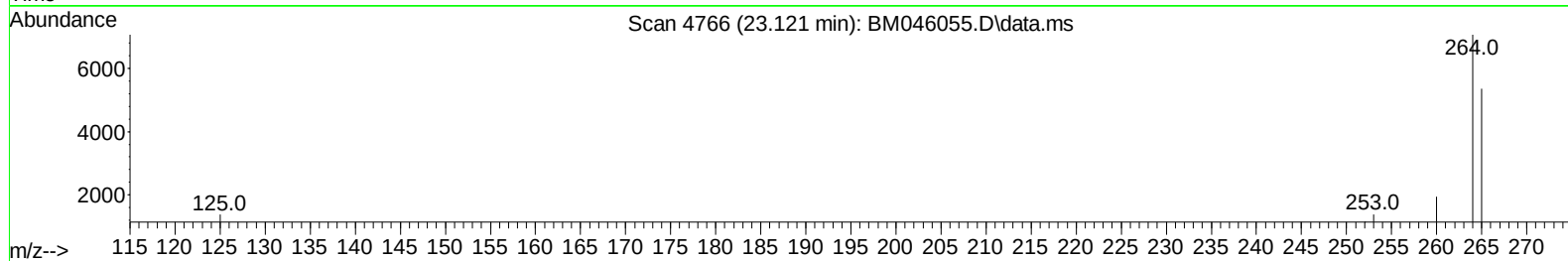
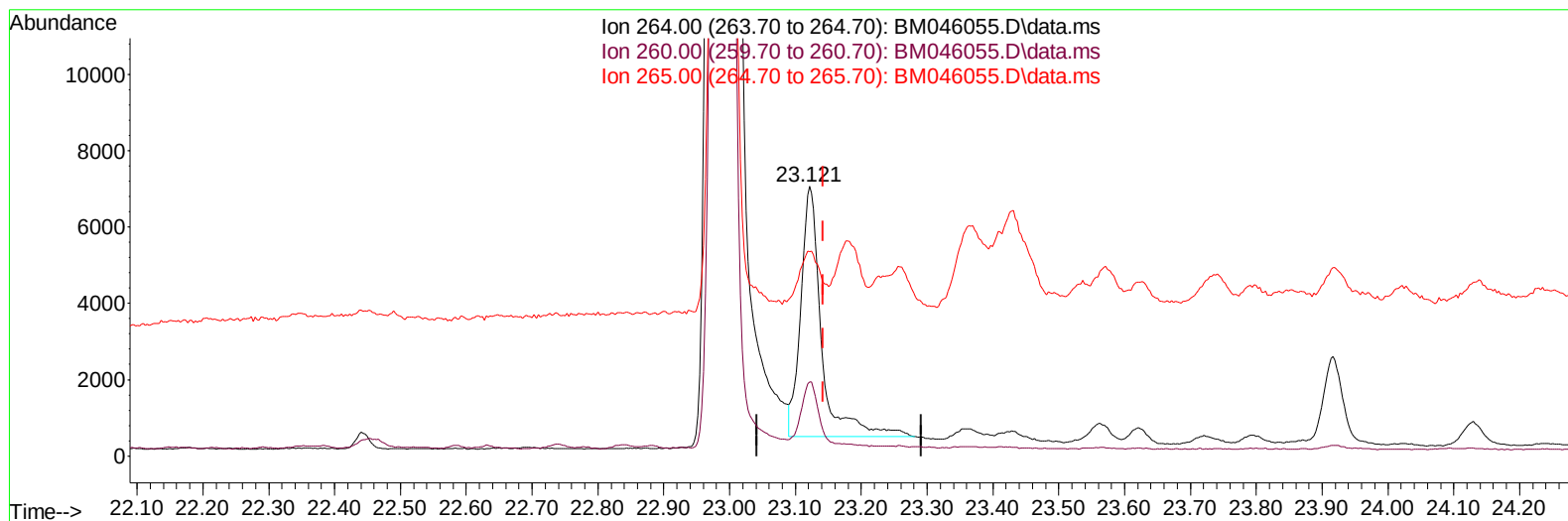
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046055.D
Acq On : 18 Jun 2024 17:35
Operator : MA/JU
Sample : P2695-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BJ4

Manual IntegrationsAPPROVED

Quant Time: Jun 18 18:56:43 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: BM046055.D\data.ms

(23) Perylene-d12 (I)

23.121min (-0.021) 0.40 ng/u1

response 14496

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.59
265.00	110.60	75.86#
0.00	0.00	0.00

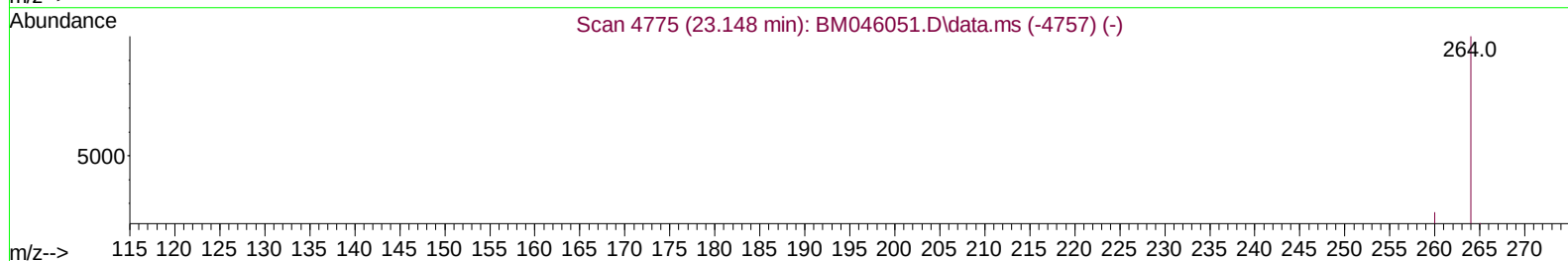
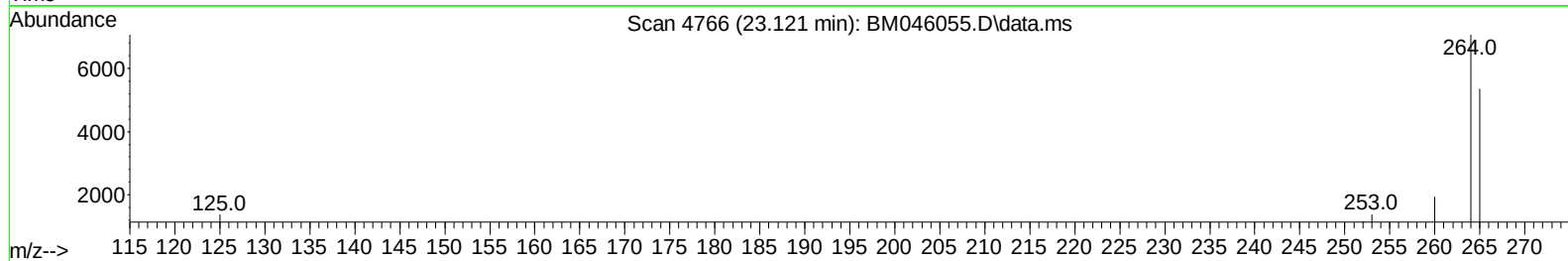
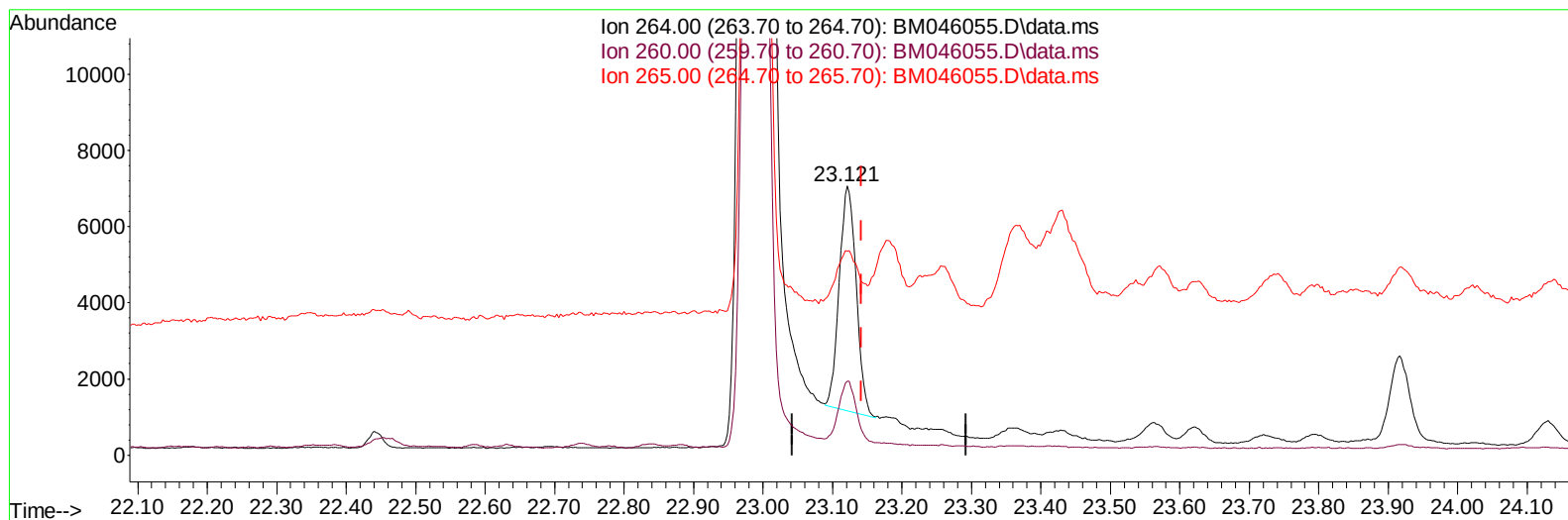
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
 Data File : BM046055.D
 Acq On : 18 Jun 2024 17:35
 Operator : MA/JU
 Sample : P2695-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BJ4

Manual IntegrationsAPPROVED

Quant Time: Jun 18 18:56:43 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: BM046055.D\data.ms

(23) Perylene-d12 (I)

23.121min (-0.021) 0.40 ng/ul m

response 9971

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.59
265.00	110.60	75.86#
0.00	0.00	0.00

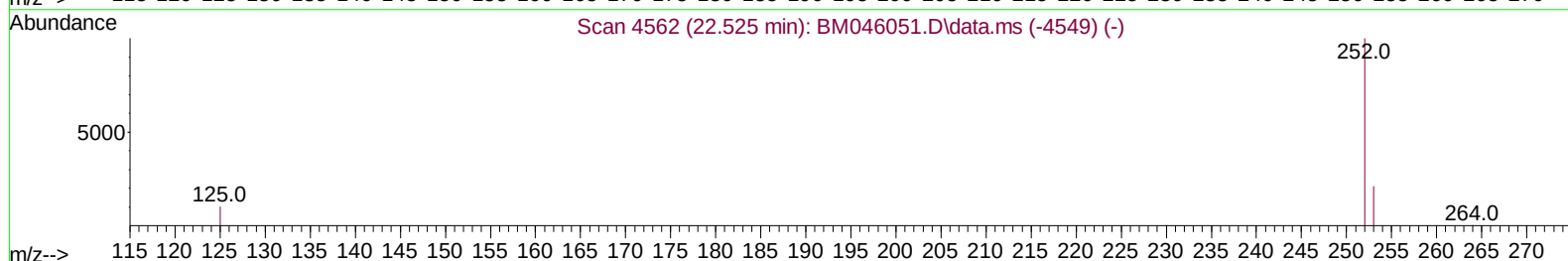
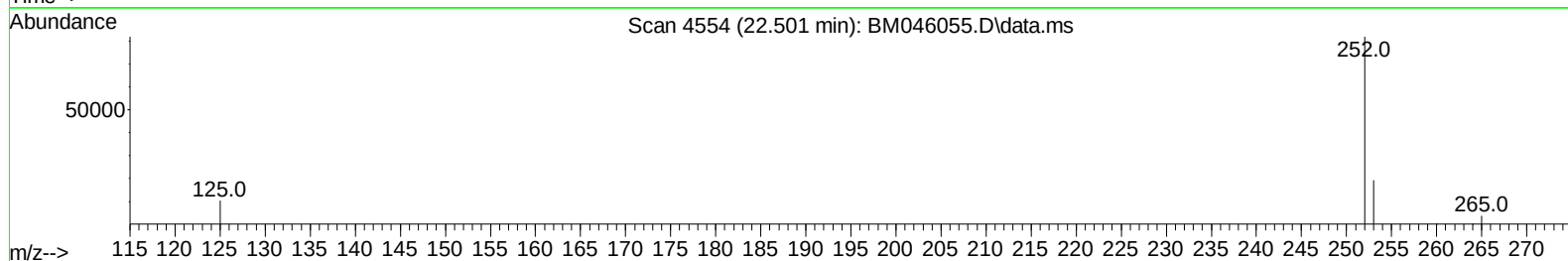
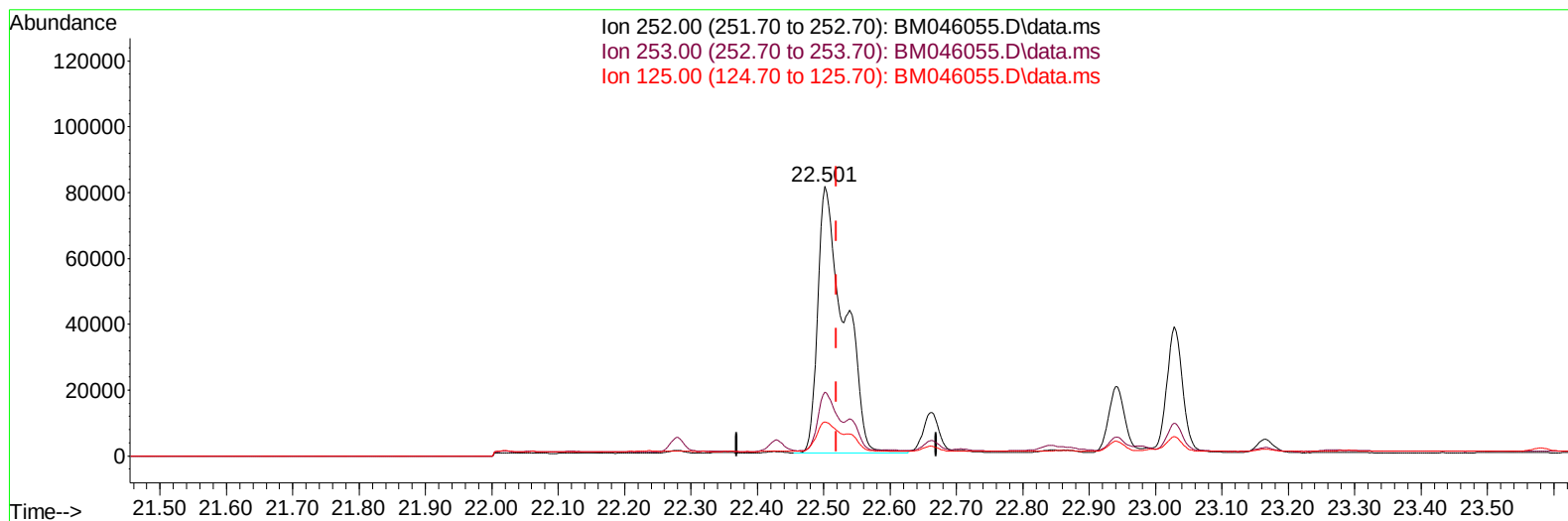
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046055.D
Acq On : 18 Jun 2024 17:35
Operator : MA/JU
Sample : P2695-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BJ4

Manual IntegrationsAPPROVED

Quant Time: Jun 18 18:56:43 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: BM046055.D\data.ms

(24) Benzo(b)fluoranthene

22.501min (-0.018) 6.22 ng/u1

response 223473

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	23.62
125.00	20.10	12.61
0.00	0.00	0.00

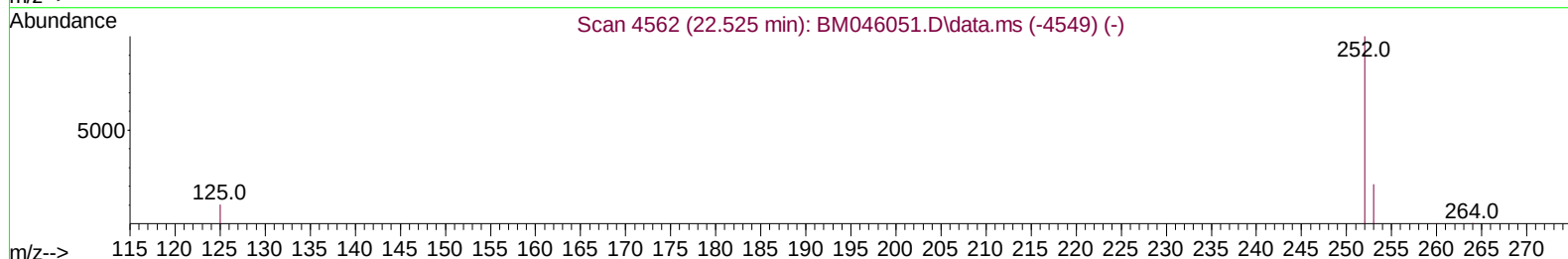
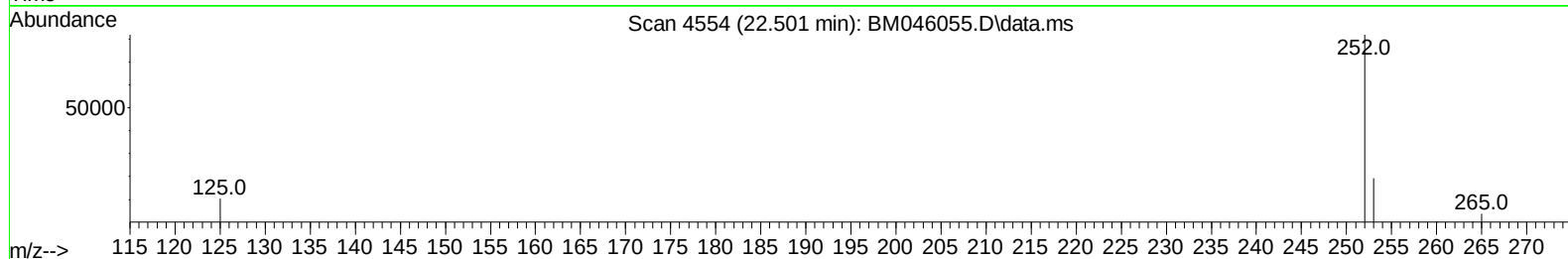
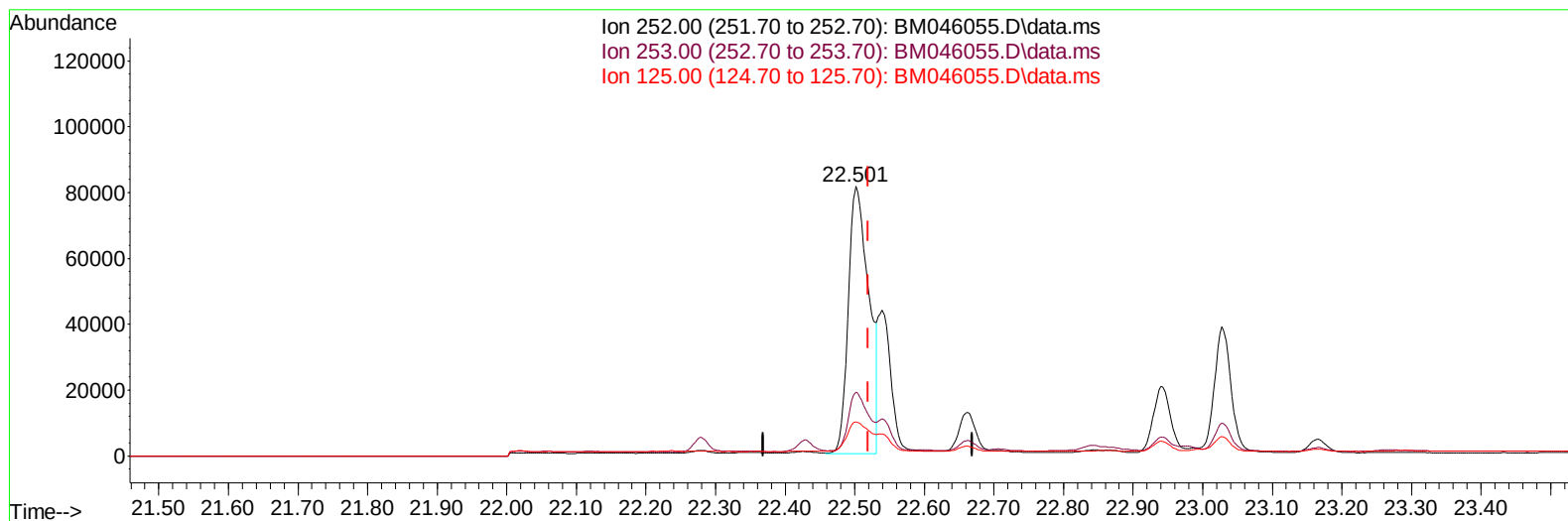
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046055.D
Acq On : 18 Jun 2024 17:35
Operator : MA/JU
Sample : P2695-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BJ4

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 06/19/2024
Supervised By :mohammad ahmed 06/21/2024

Quant Time: Jun 18 18:56:43 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: BM046055.D\data.ms

(24) Benzo(b)fluoranthene

22.501min (-0.018) 4.63 ng/u1 m

response 166414

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	23.62
125.00	20.10	12.61
0.00	0.00	0.00

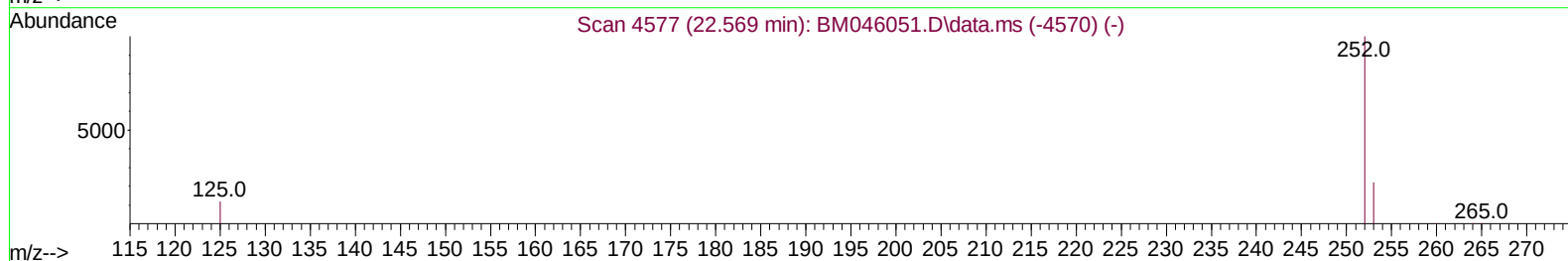
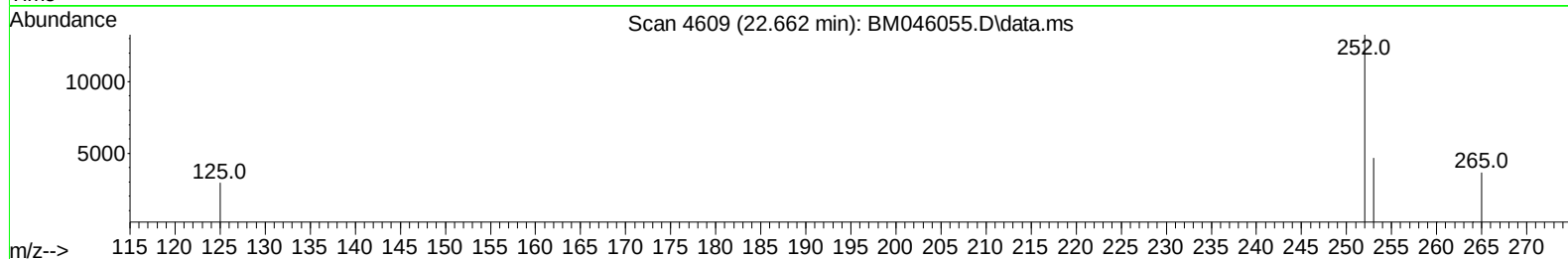
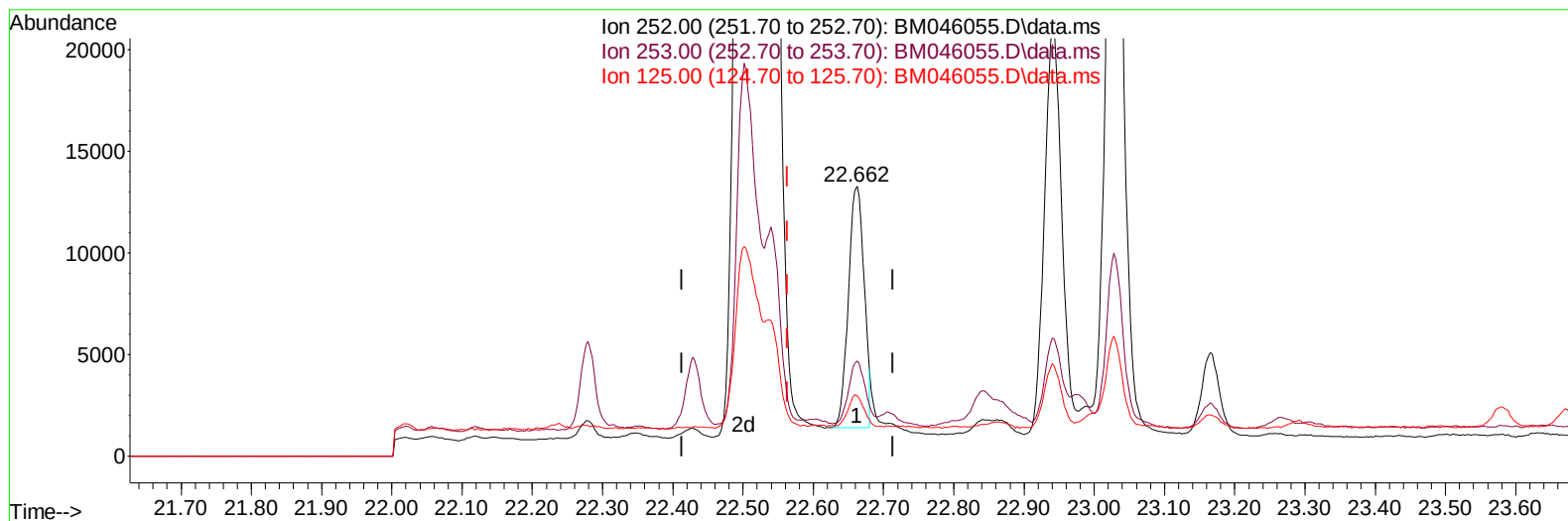
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046055.D
Acq On : 18 Jun 2024 17:35
Operator : MA/JU
Sample : P2695-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BJ4

Manual IntegrationsAPPROVED

Quant Time: Jun 18 18:56:43 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: BM046055.D\data.ms

(25) Benzo(k)fluoranthene

22.662min (+ 0.099) 0.43 ng/u1

response 18560

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	35.35
125.00	20.80	22.20
0.00	0.00	0.00

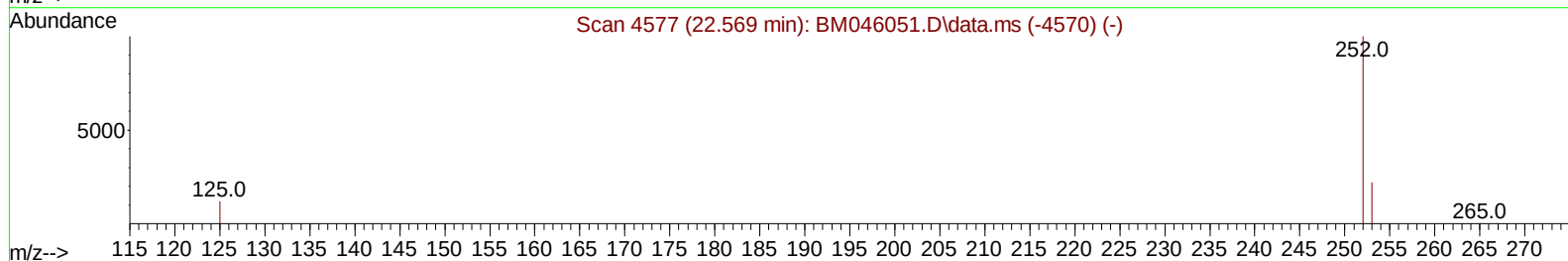
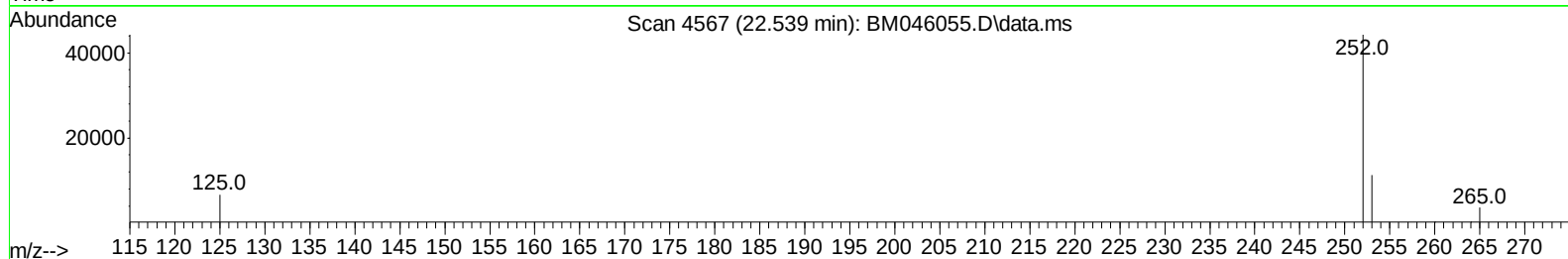
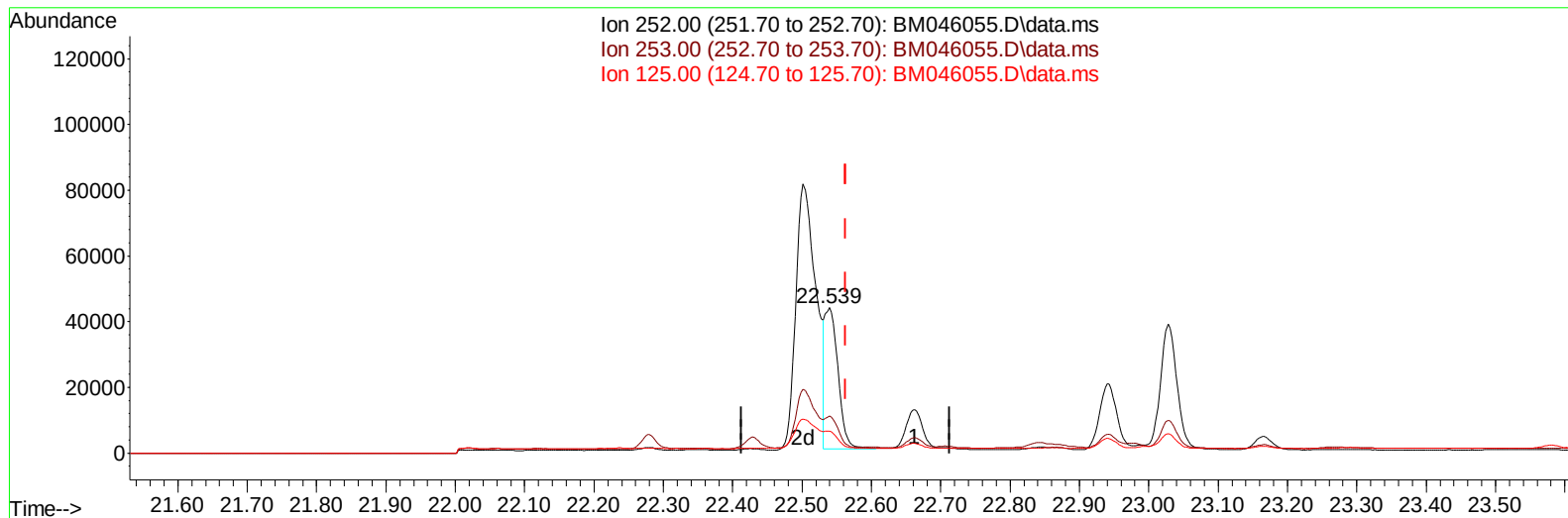
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046055.D
Acq On : 18 Jun 2024 17:35
Operator : MA/JU
Sample : P2695-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BJ4

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 06/19/2024
Supervised By :mohammad ahmed 06/21/2024

Quant Time: Jun 18 18:56:43 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: BM046055.D\data.ms

(25) Benzo(k)fluoranthene

22.539min (-0.024) 1.32 ng/u l m

response 56383

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	25.44#
125.00	20.80	15.08#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
 Data File : BM046055.D
 Acq On : 18 Jun 2024 17:35
 Operator : MA/JU
 Sample : P2695-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BJ4

Manual IntegrationsAPPROVED

Quant Time: Jun 18 18:56:43 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.434	152	2971	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.211	136	8113	0.400	ng/ul	-0.04
9) Acenaphthene-d10	14.086	164	4341	0.400	ng/ul	-0.03
13) Phenanthrene-d10	16.829	188	9243m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.023	240	8278m	0.400	ng/ul	-0.02
23) Perylene-d12	23.121	264	9971m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.038	96	13914	3.414	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.833	152	2698	0.248	ng/ul	-0.03
18) Fluoranthene-d10	18.858	212	6699	0.270	ng/ul	-0.03
Target Compounds						
						Qvalue
5) Naphthalene	10.260	128	3925	0.173	ng/ul	98
7) 2-Methylnaphthalene	11.910	142	1204	0.095	ng/ul	95
8) 1-Methylnaphthalene	12.124	142	1035	0.074	ng/ul	96
10) Acenaphthylene	13.804	152	8580	0.417	ng/ul	98
11) Acenaphthene	14.146	153	3834	0.258	ng/ul	98
12) Fluorene	15.141	166	4455	0.279	ng/ul	97
14) Pentachlorophenol	16.529	266	111	0.040	ng/ul	88
15) Phenanthrene	16.867	178	94340m	3.633	ng/ul	
16) Anthracene	16.960	178	17865m	0.924	ng/ul	
19) Fluoranthene	18.886	202	204561	5.707	ng/ul	98
20) Pyrene	19.248	202	151370	3.905	ng/ul	98
21) Benzo(a)anthracene	21.006	228	100589	3.146	ng/ul	100
22) Chrysene	21.058	228	107431	2.633	ng/ul	99
24) Benzo(b)fluoranthene	22.501	252	166414m	4.632	ng/ul	
25) Benzo(k)fluoranthene	22.539	252	56383m	1.320	ng/ul	
26) Benzo(a)pyrene	23.028	252	63548	1.909	ng/ul#	77
27) Indeno(1,2,3-cd)pyrene	25.172	276	66203	1.215	ng/ul#	93
28) Dibenzo(a,h)anthracene	25.175	278	21022	0.518	ng/ul	97
29) Benzo(g,h,i)perylene	25.796	276	10351	0.222	ng/ul#	90

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046055.D
Acq On : 18 Jun 2024 17:35
Operator : MA/JU
Sample : P2695-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BJ4

Manual IntegrationsAPPROVED

Quant Time: Jun 18 18:56:43 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

