

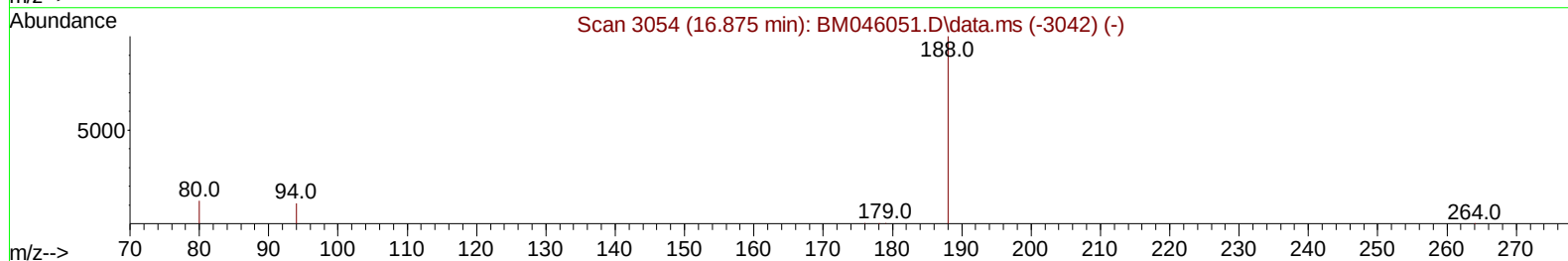
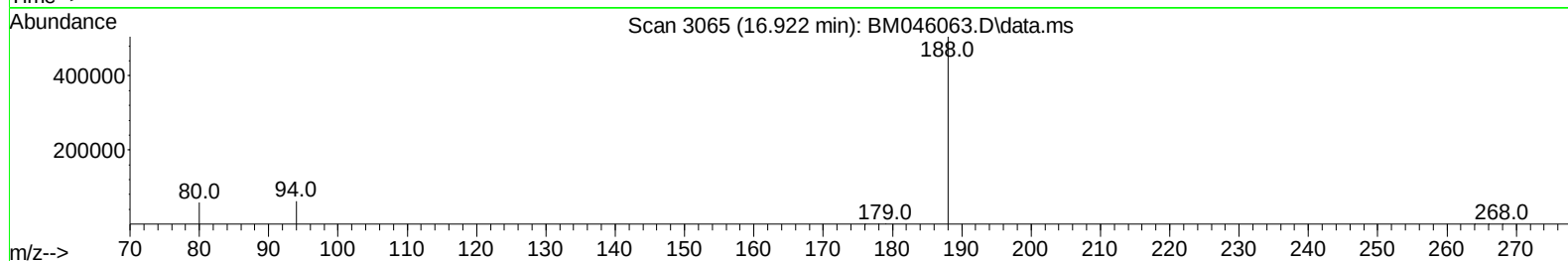
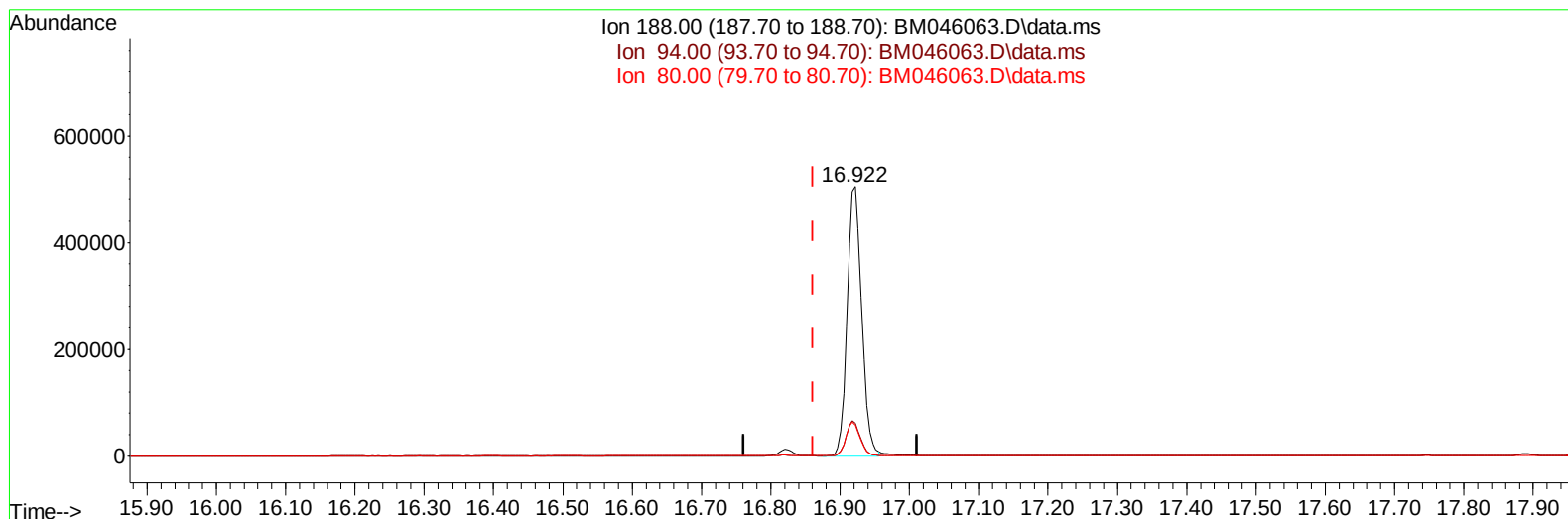
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046063.D
Acq On : 18 Jun 2024 22:28
Operator : MA/JU
Sample : P2695-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK5

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:24:29 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: BM046063.D\data.ms

(13) Phenanthrene-d10 (I)

16.922min (+ 0.061) 0.40 ng/u1

response 737153

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.08
80.00	15.20	11.40#
0.00	0.00	0.00

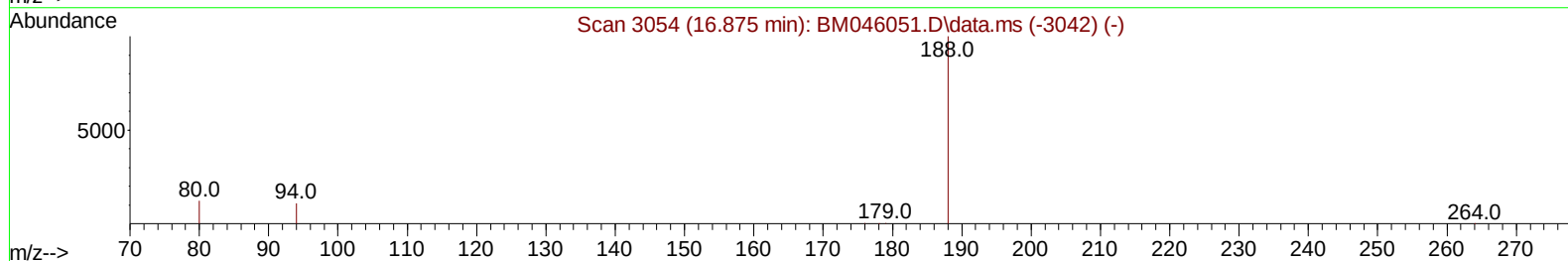
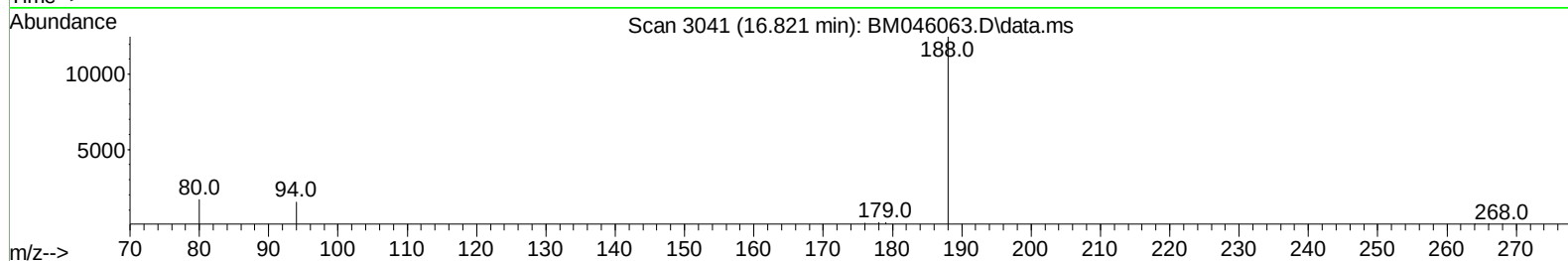
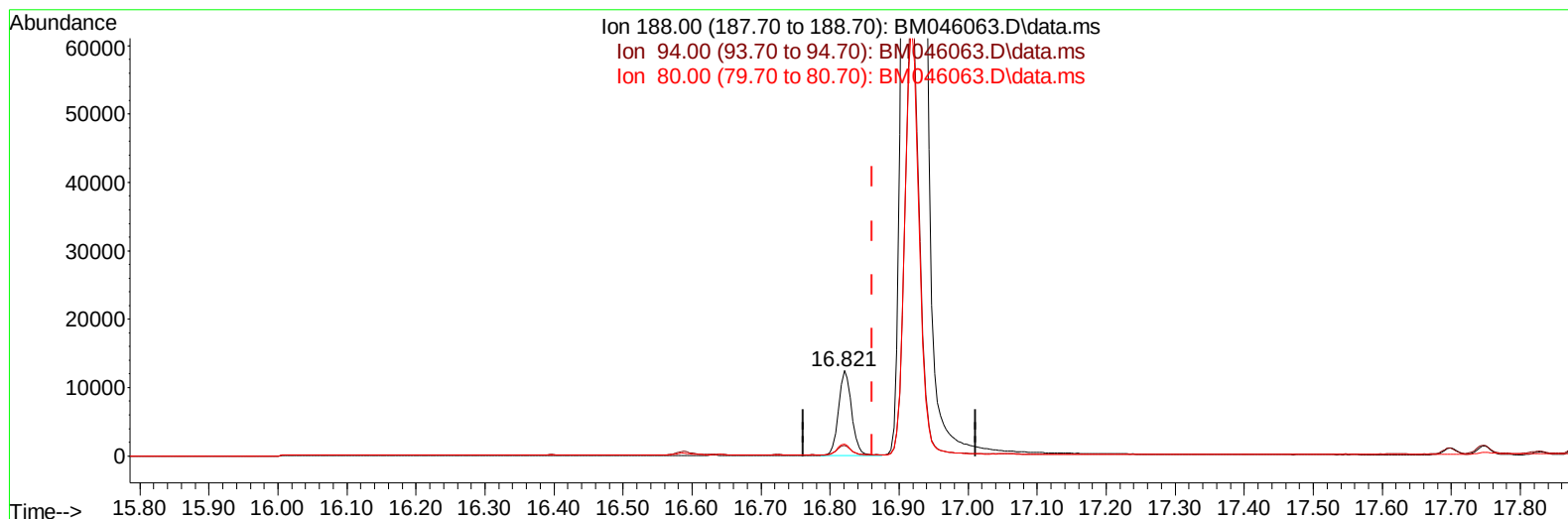
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046063.D
Acq On : 18 Jun 2024 22:28
Operator : MA/JU
Sample : P2695-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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TIC: BM046063.D\data.ms

(13) Phenanthrene-d10 (I)

16.821min (-0.041) 0.40 ng/ul m

response 16307

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.31
80.00	15.20	13.74
0.00	0.00	0.00

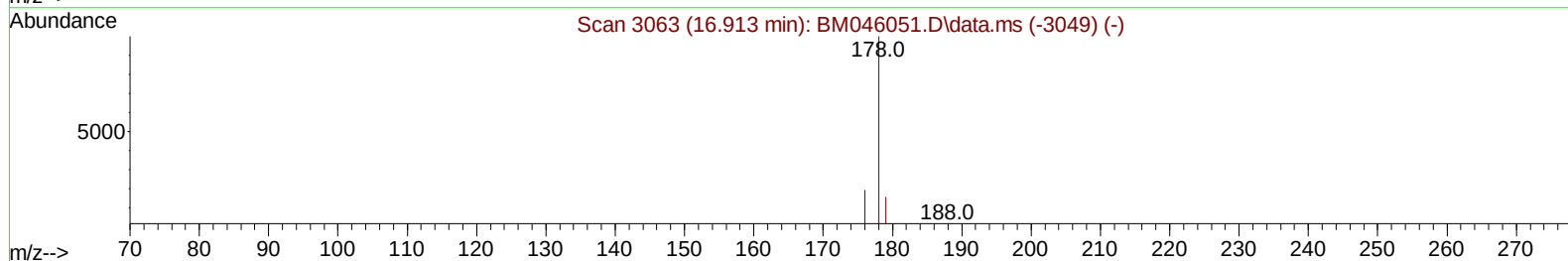
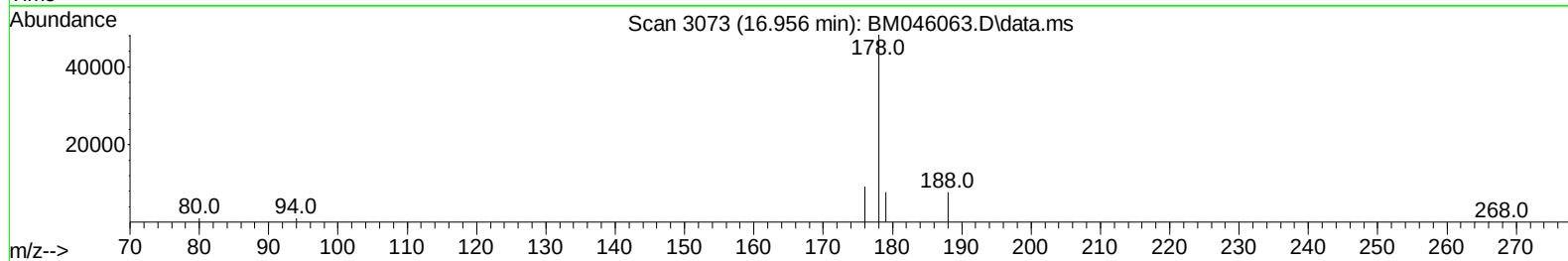
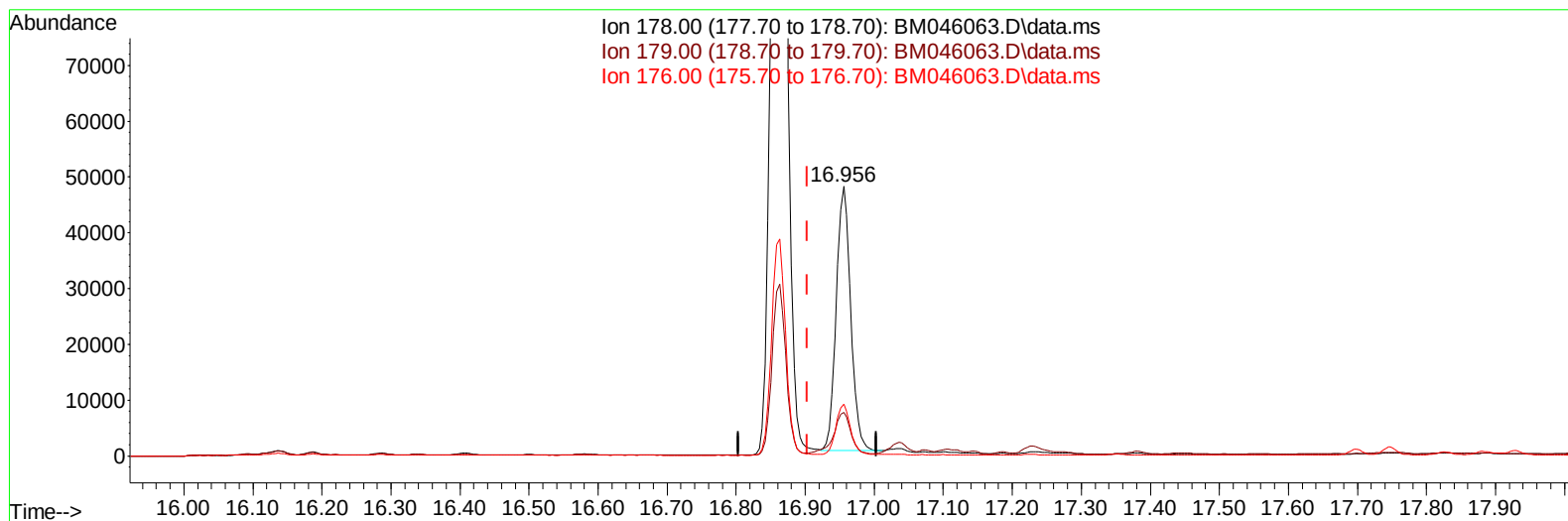
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046063.D
Acq On : 18 Jun 2024 22:28
Operator : MA/JU
Sample : P2695-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK5

Manual IntegrationsAPPROVED

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TIC: BM046063.D\data.ms

(15) Phenanthrene

16.956min (+ 0.052) 1.50 ng/u1

response 68825

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	16.20
176.00	21.40	19.24
0.00	0.00	0.00

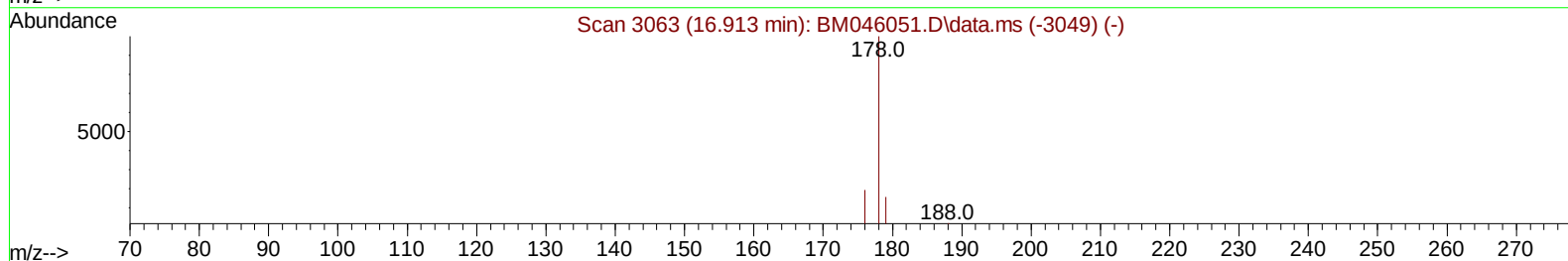
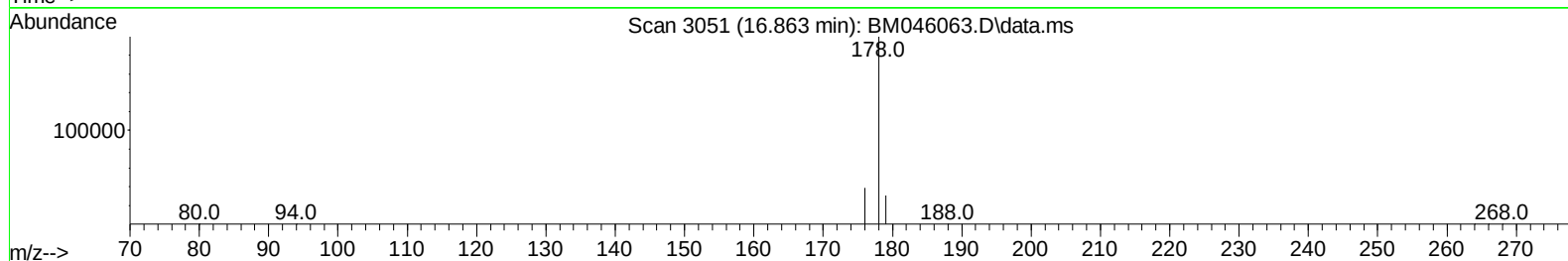
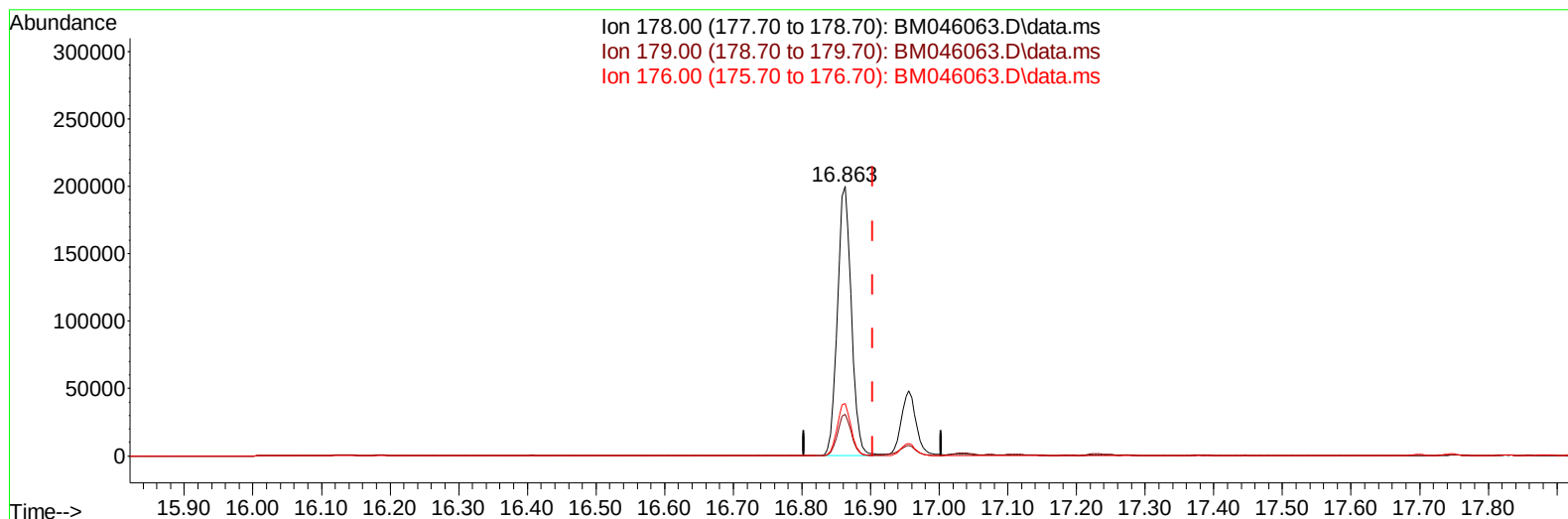
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046063.D
Acq On : 18 Jun 2024 22:28
Operator : MA/JU
Sample : P2695-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK5

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:24:29 2024
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TIC: BM046063.D\data.ms

(15) Phenanthrene

16.863min (-0.041) 6.18 ng/ul m

response 282914

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.41
176.00	21.40	19.45
0.00	0.00	0.00

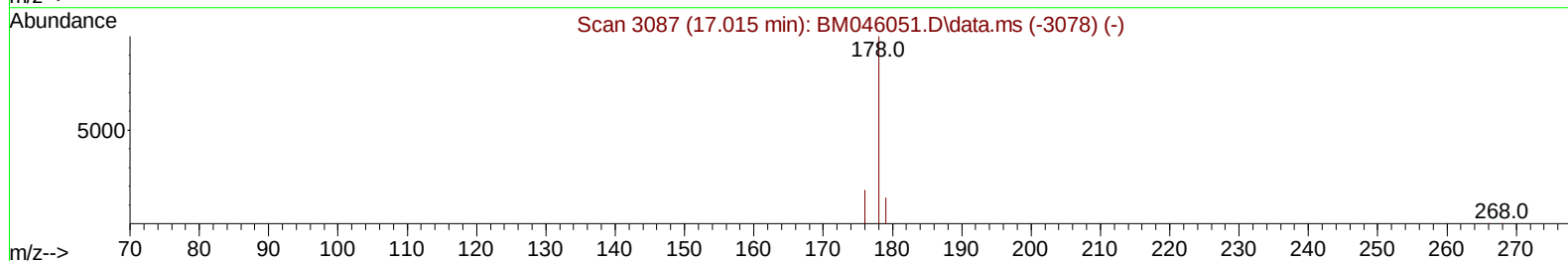
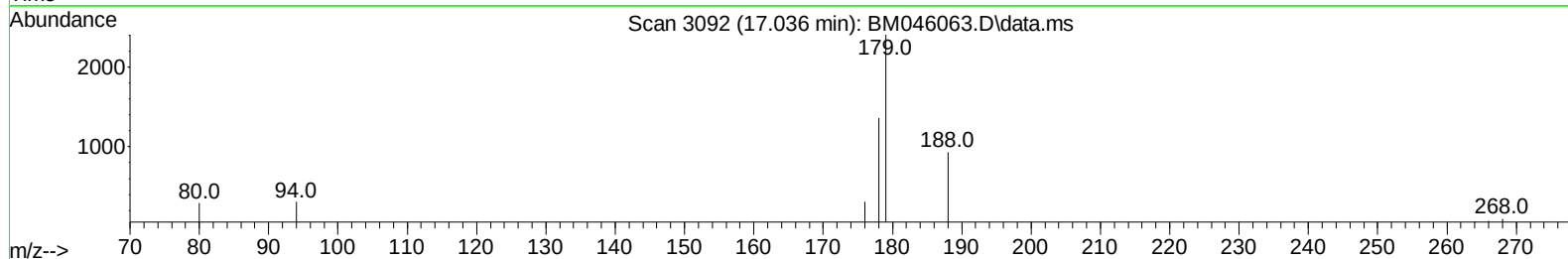
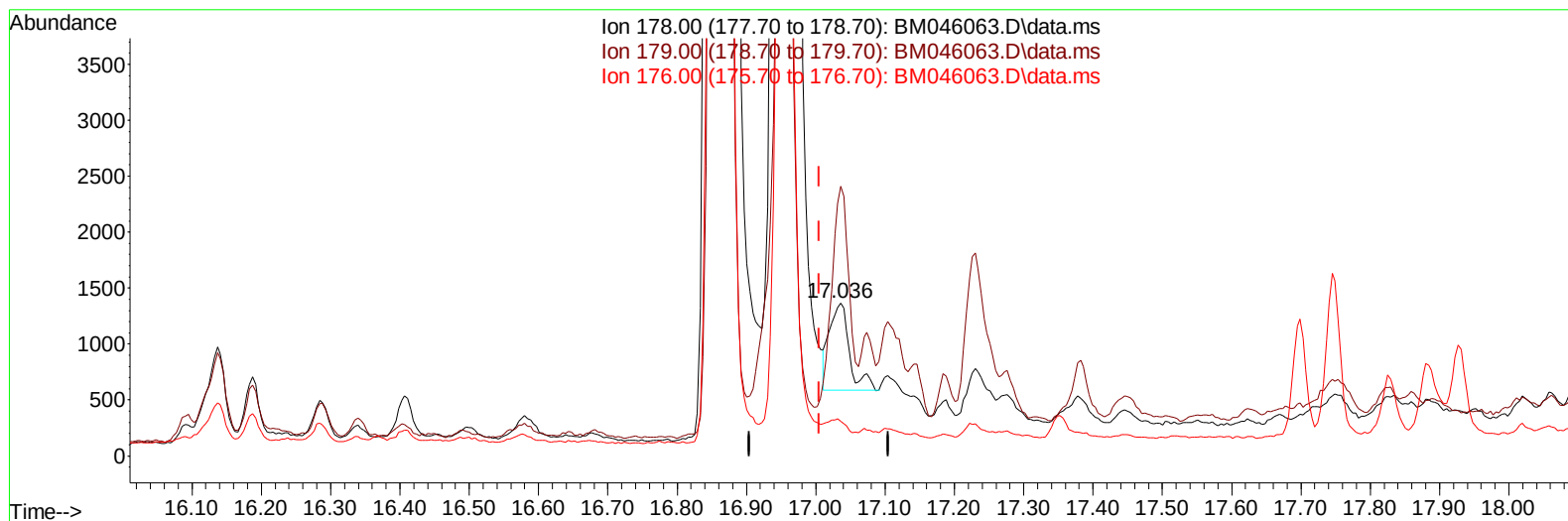
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
 Data File : BM046063.D
 Acq On : 18 Jun 2024 22:28
 Operator : MA/JU
 Sample : P2695-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BK5

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:24:29 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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TIC: BM046063.D\data.ms

(16) Anthracene

17.036min (+ 0.031) 0.05 ng/u1

response 1550

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	176.28#
176.00	21.20	22.77
0.00	0.00	0.00

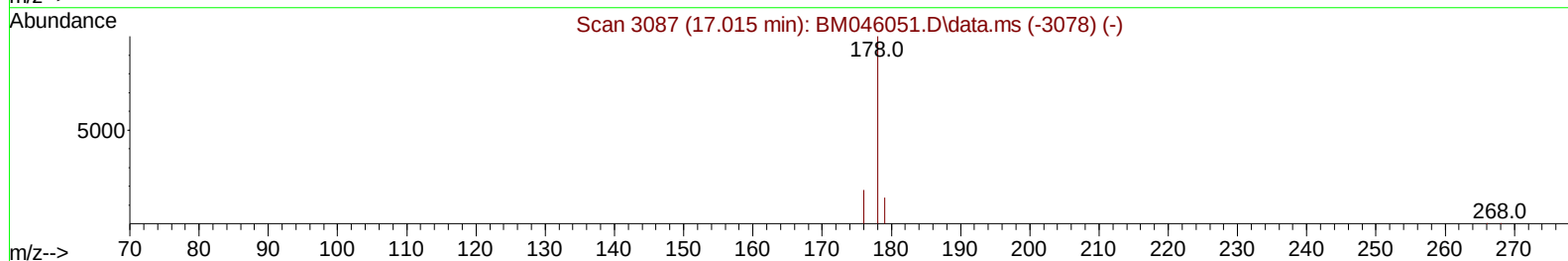
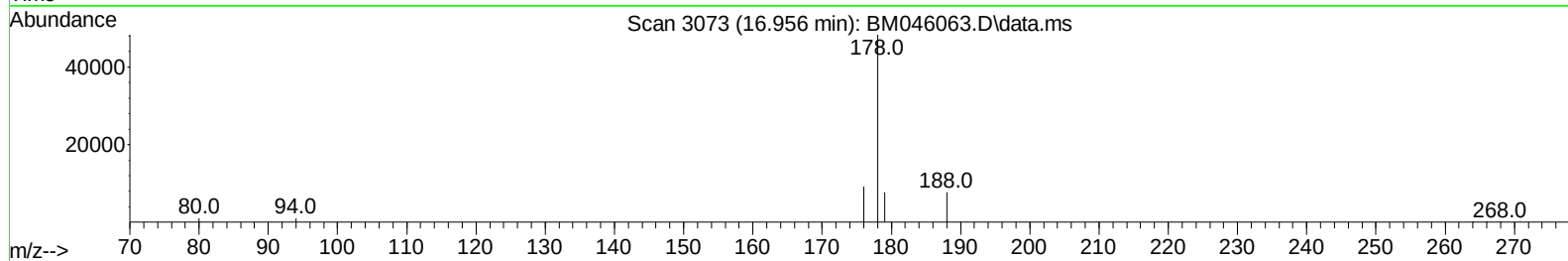
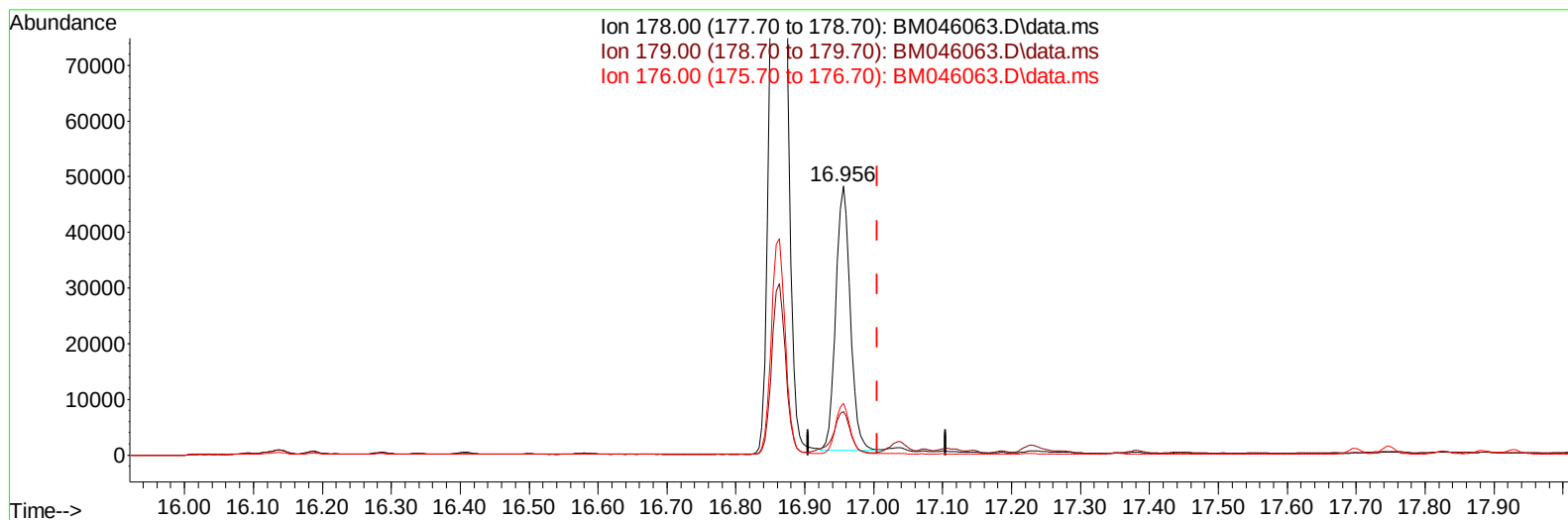
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046063.D
Acq On : 18 Jun 2024 22:28
Operator : MA/JU
Sample : P2695-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK5

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:24:29 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: BM046063.D\data.ms

(16) Anthracene

16.956min (-0.049) 2.02 ng/ul m

response 68958

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	16.20
176.00	21.20	19.24
0.00	0.00	0.00

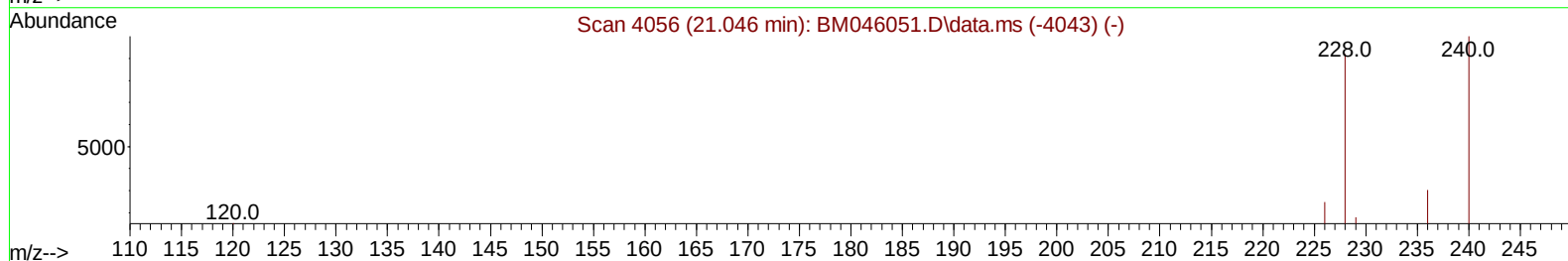
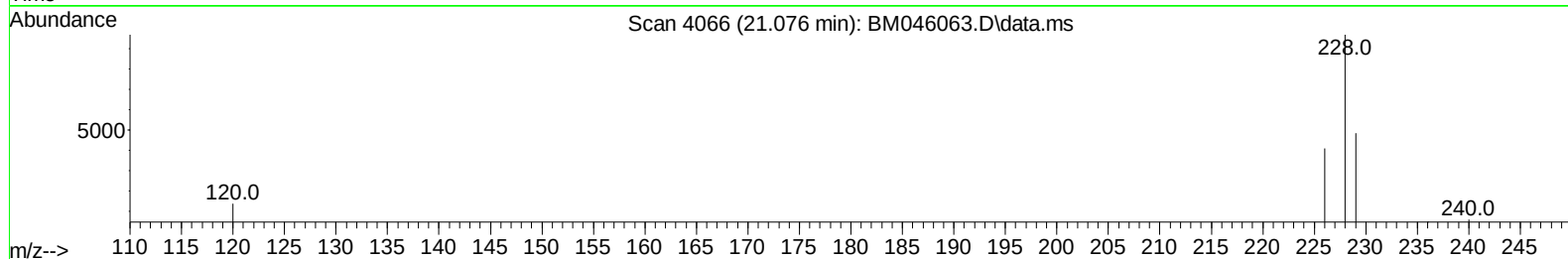
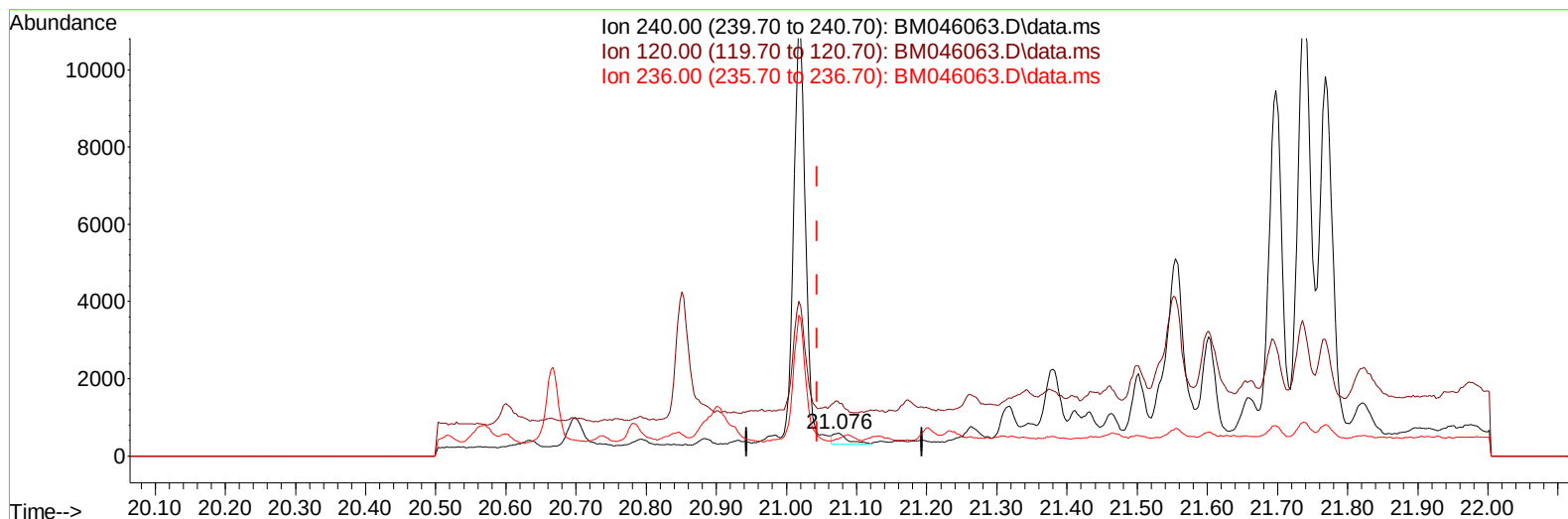
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046063.D
Acq On : 18 Jun 2024 22:28
Operator : MA/JU
Sample : P2695-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK5

Manual IntegrationsAPPROVED

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TIC: BM046063.D\data.ms

(17) Chrysene-d12

21.076min (+ 0.032) 0.40 ng/u1

response 380

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	233.39#
236.00	33.60	79.00#
0.00	0.00	0.00

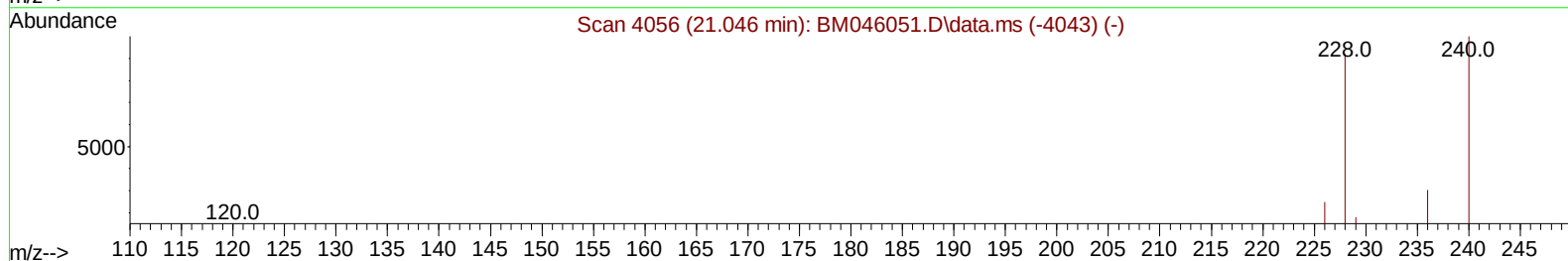
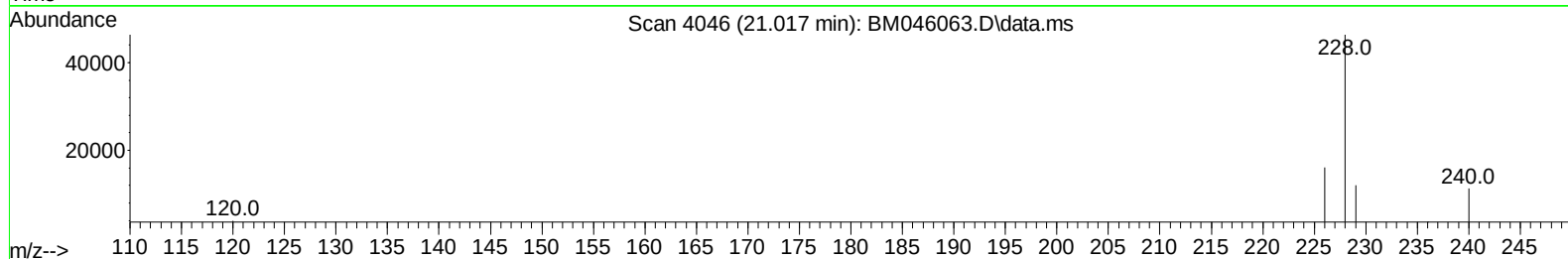
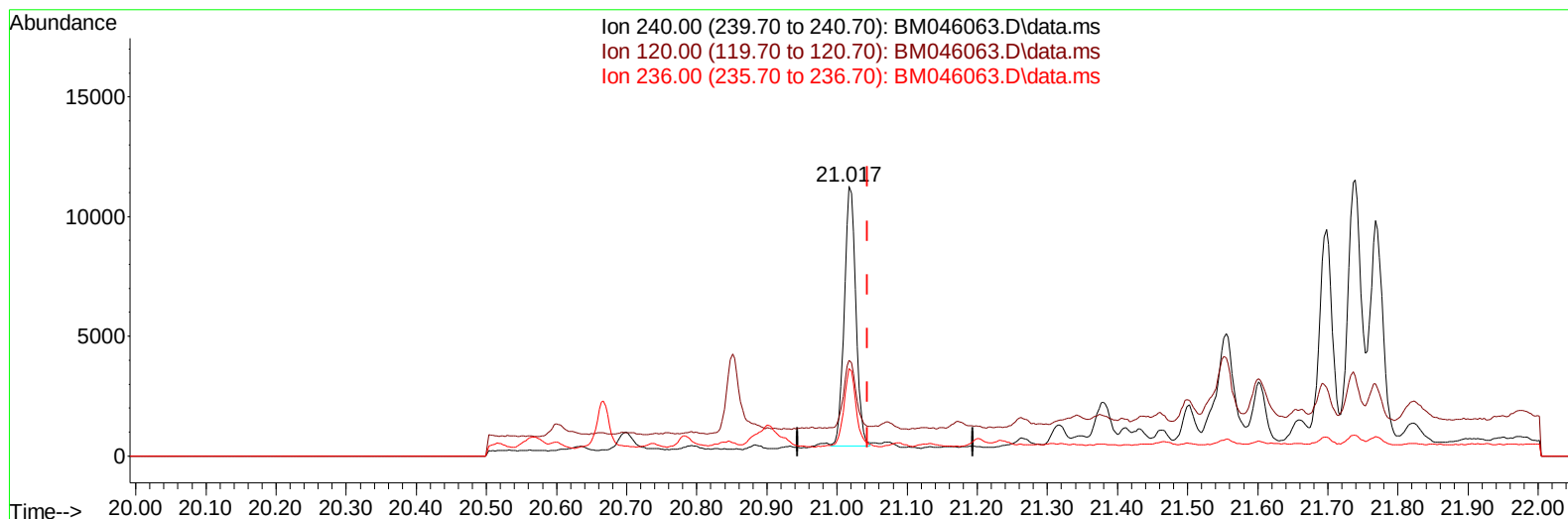
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046063.D
Acq On : 18 Jun 2024 22:28
Operator : MA/JU
Sample : P2695-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK5

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:24:29 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: BM046063.D\data.ms

(17) Chrysene-d12

21.017min (-0.027) 0.40 ng/ul m

response 12463

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	35.56#
236.00	33.60	32.41
0.00	0.00	0.00

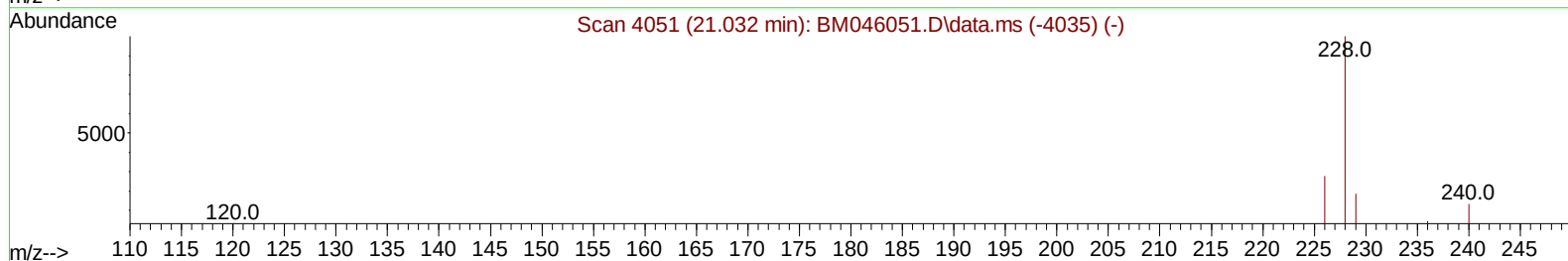
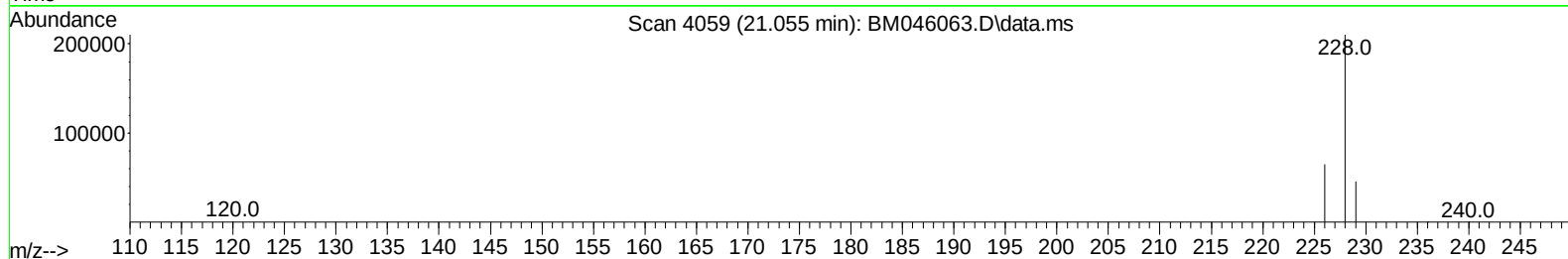
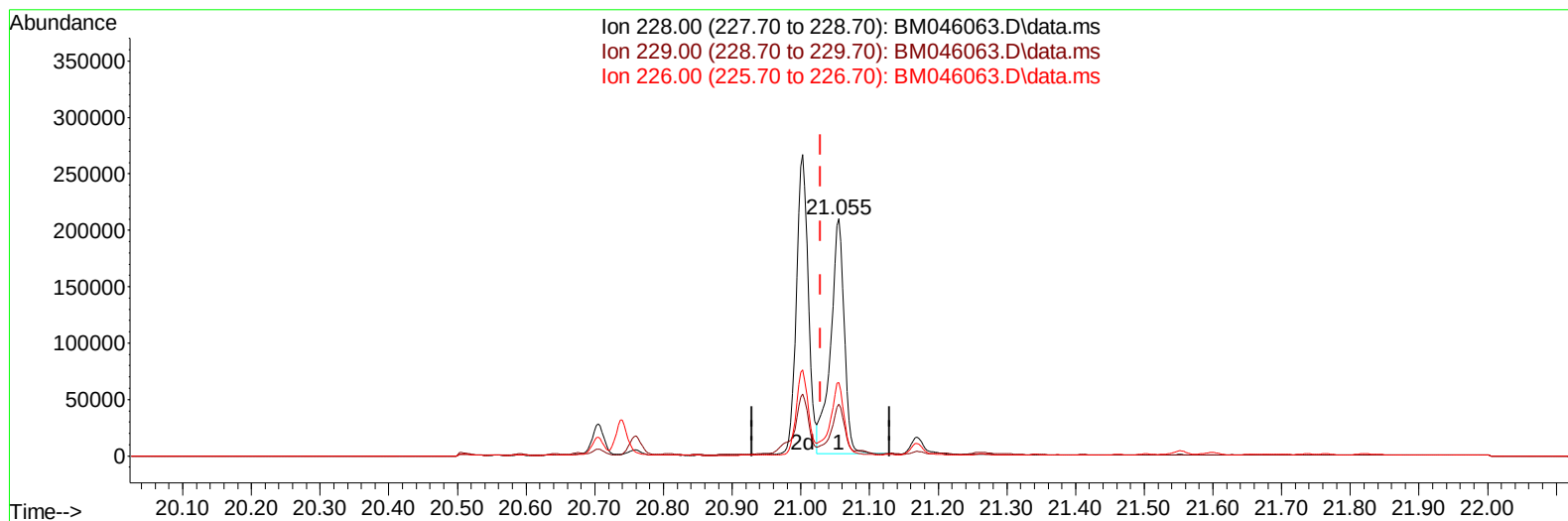
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046063.D
Acq On : 18 Jun 2024 22:28
Operator : MA/JU
Sample : P2695-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK5

Manual IntegrationsAPPROVED

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TIC: BM046063.D\data.ms

(21) Benzo(a)anthracene

21.055min (+ 0.026) 5.98 ng/u1

response 287960

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.50	21.84
226.00	29.30	30.90
0.00	0.00	0.00

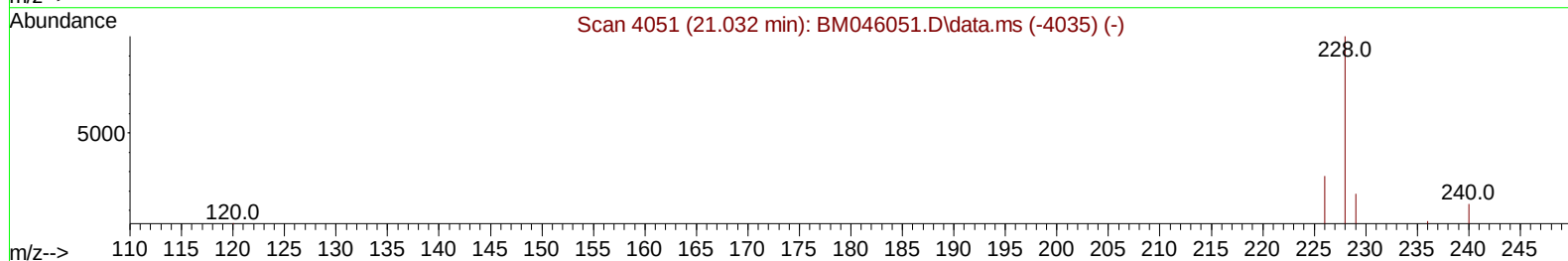
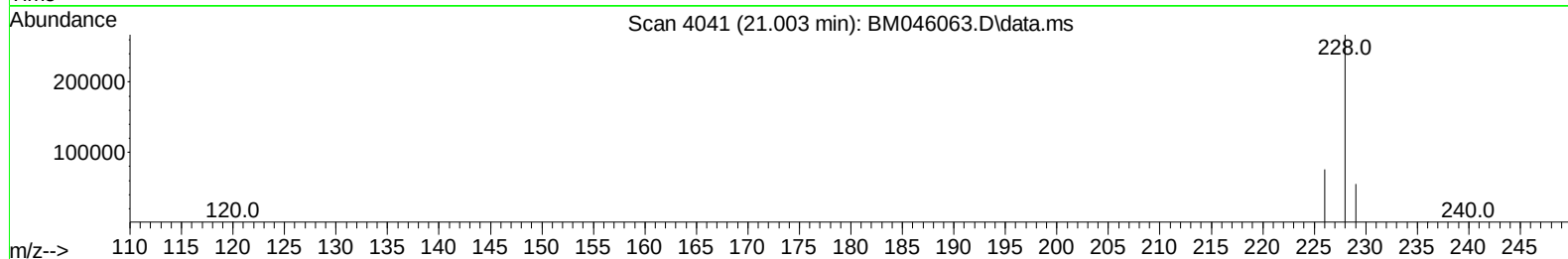
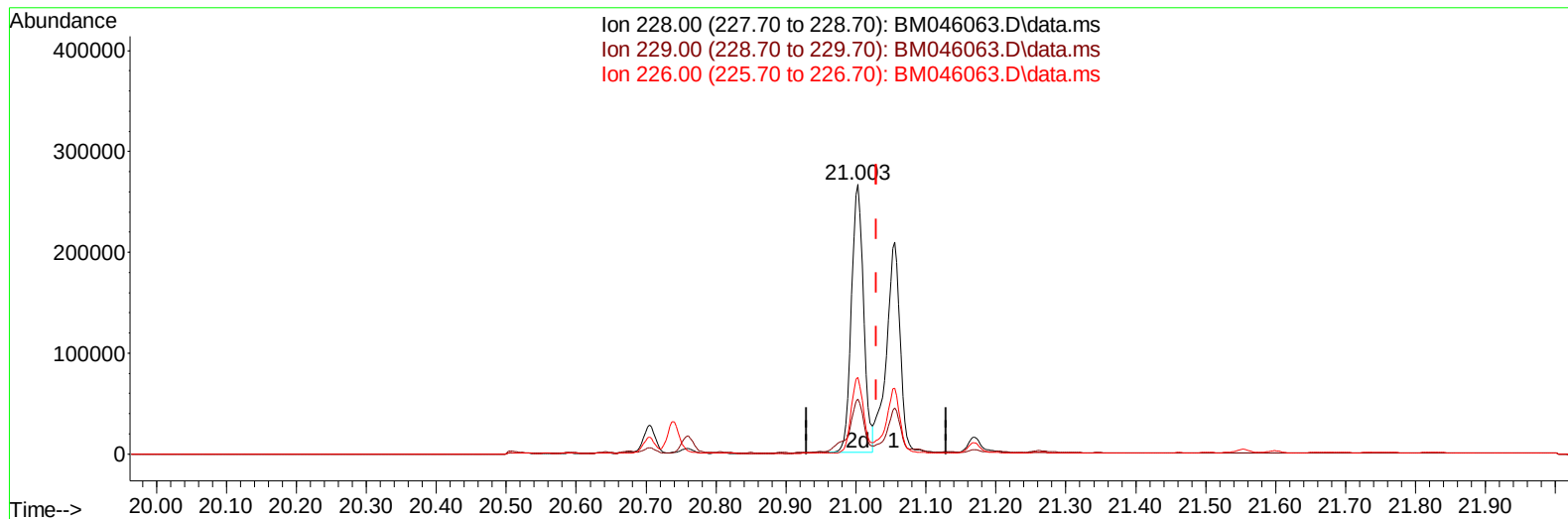
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046063.D
Acq On : 18 Jun 2024 22:28
Operator : MA/JU
Sample : P2695-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK5

Manual IntegrationsAPPROVED

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TIC: BM046063.D\data.ms

(21) Benzo(a)anthracene

21.003min (-0.027) 6.65 ng/ul m

response 319924

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.50	20.46
226.00	29.30	28.47
0.00	0.00	0.00

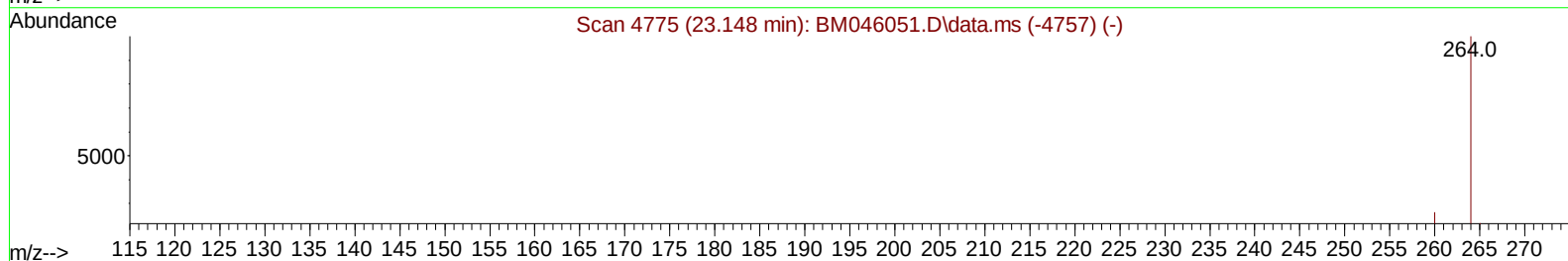
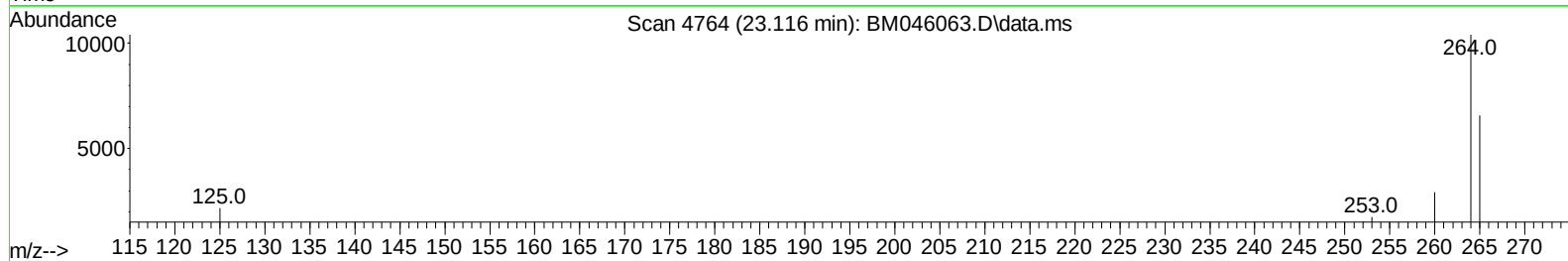
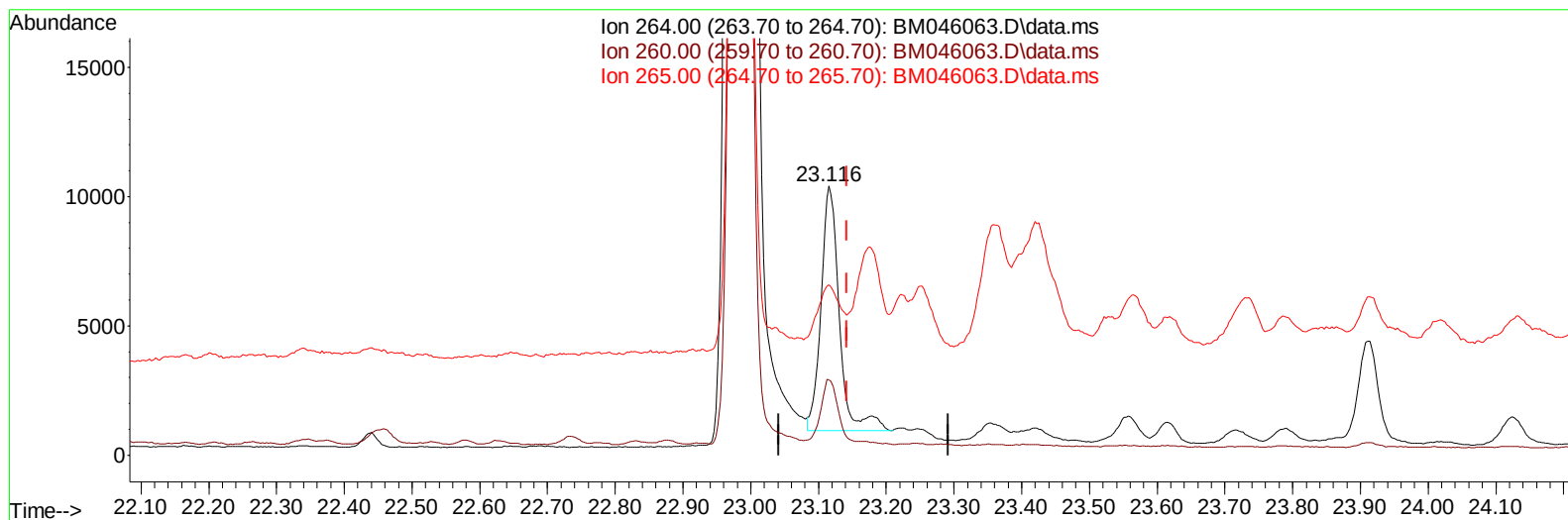
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
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ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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TIC: BM046063.D\data.ms

(23) Perylene-d12 (I)

23.116min (-0.027) 0.40 ng/u1

response 17658

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	28.04
265.00	110.60	63.27#
0.00	0.00	0.00

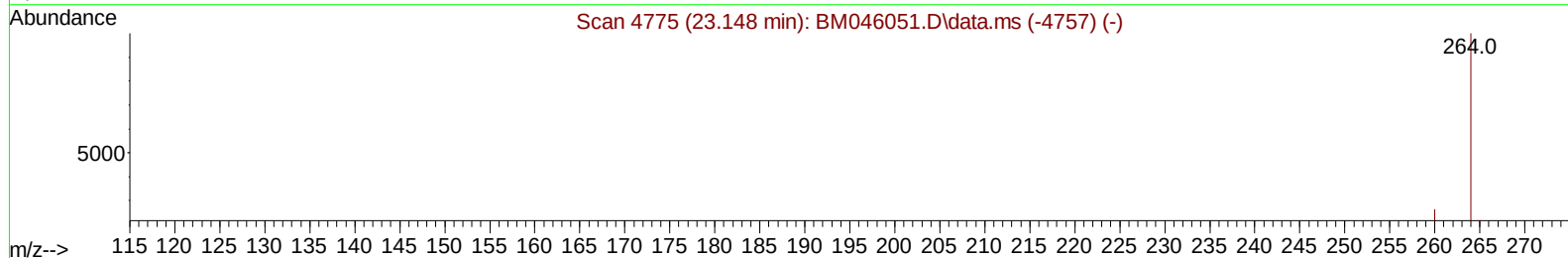
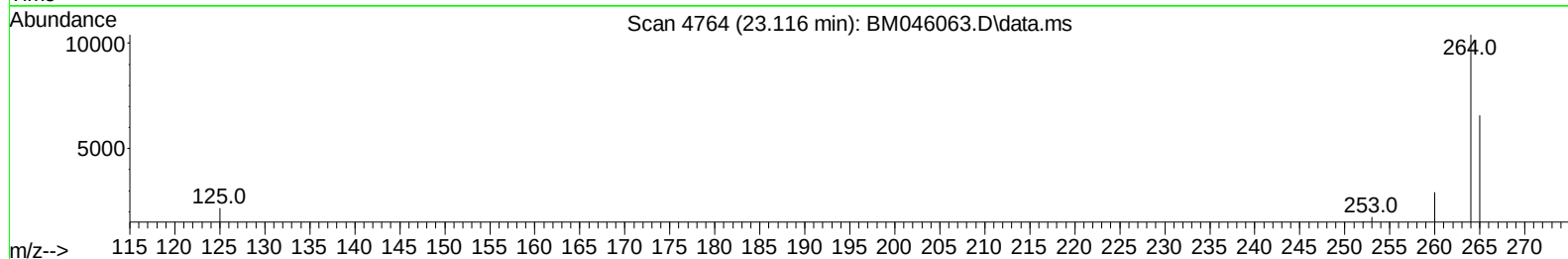
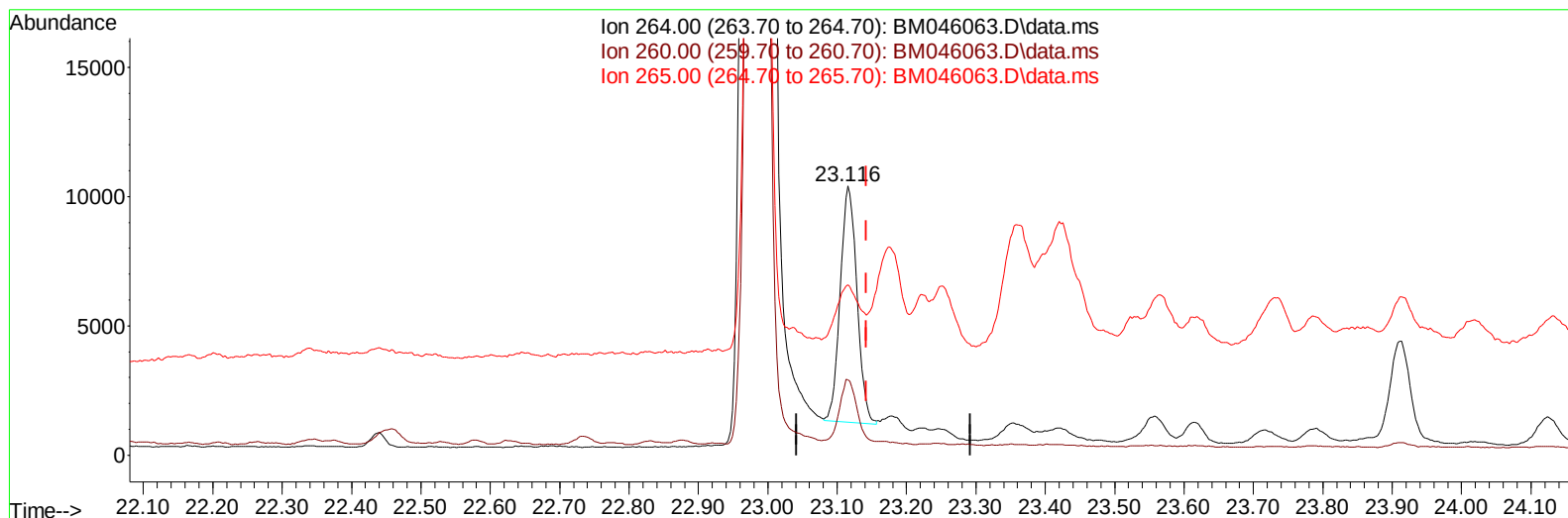
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046063.D
Acq On : 18 Jun 2024 22:28
Operator : MA/JU
Sample : P2695-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK5

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TIC: BM046063.D\data.ms

(23) Perylene-d12 (I)

23.116min (-0.027) 0.40 ng/ul m

response 15291

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	28.04
265.00	110.60	63.27#
0.00	0.00	0.00

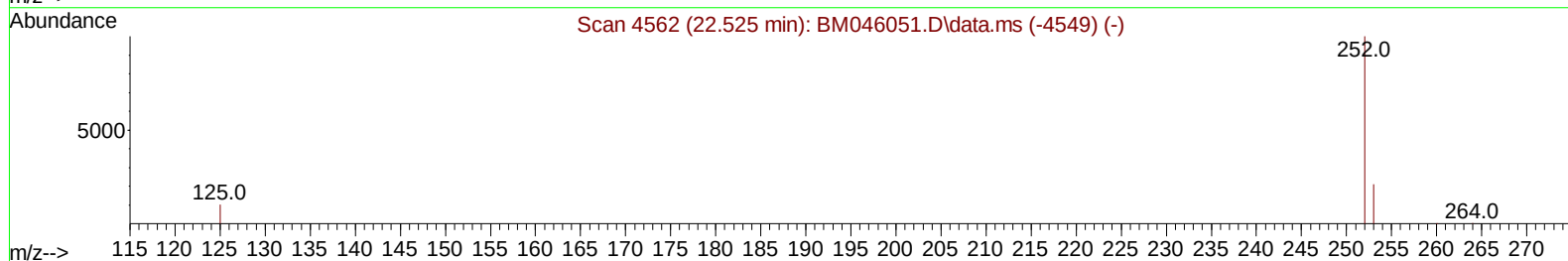
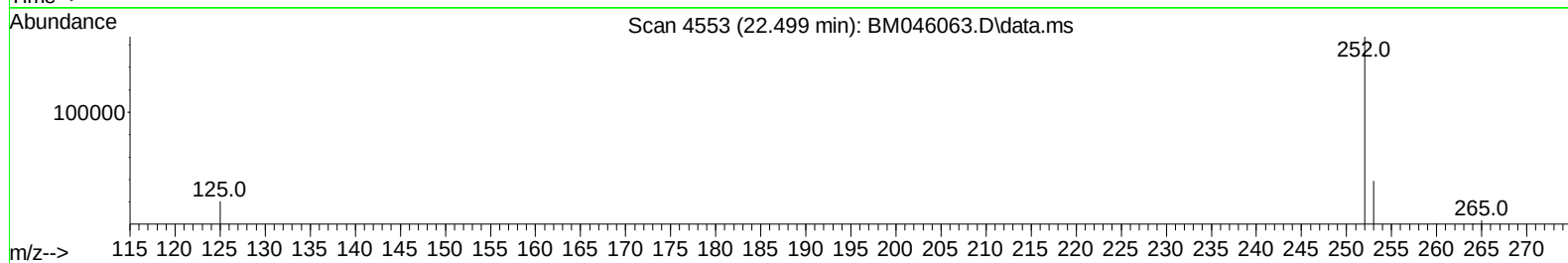
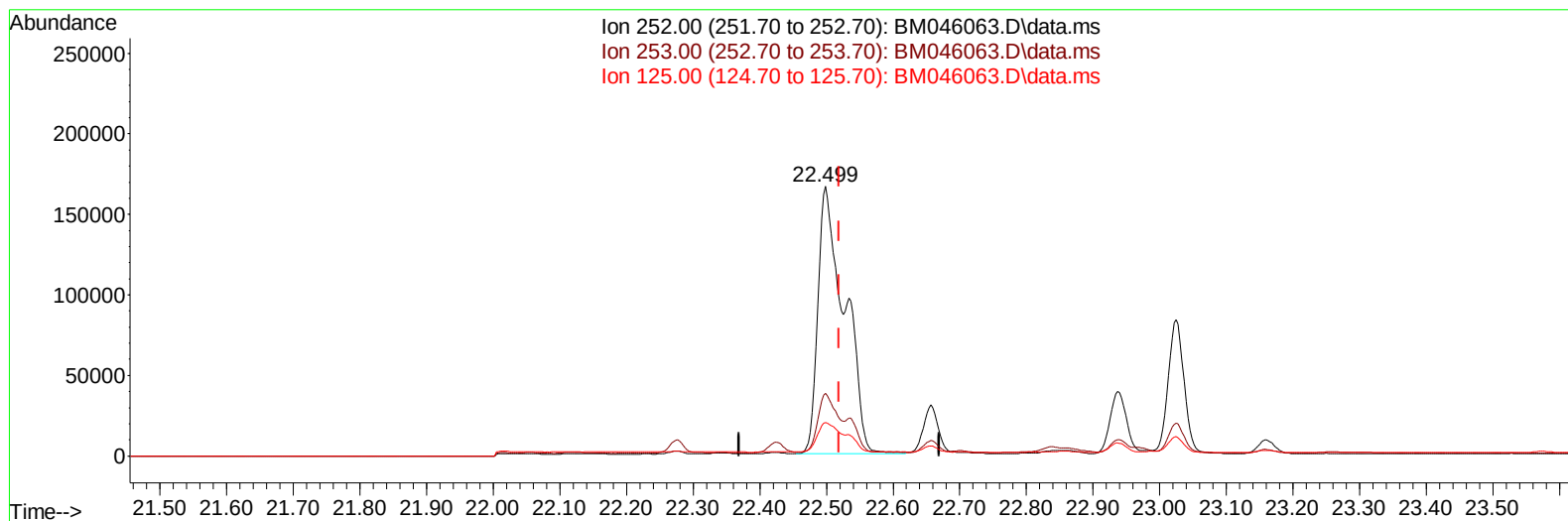
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046063.D
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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
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A4BK5

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TIC: BM046063.D\data.ms

(24) Benzo(b)fluoranthene

22.499min (-0.021) 8.40 ng/u1

response 462647

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	23.35
125.00	20.10	12.50
0.00	0.00	0.00

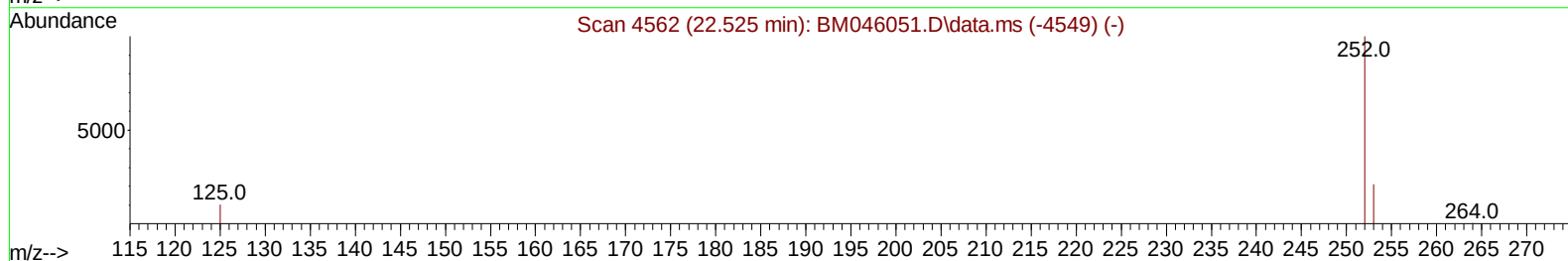
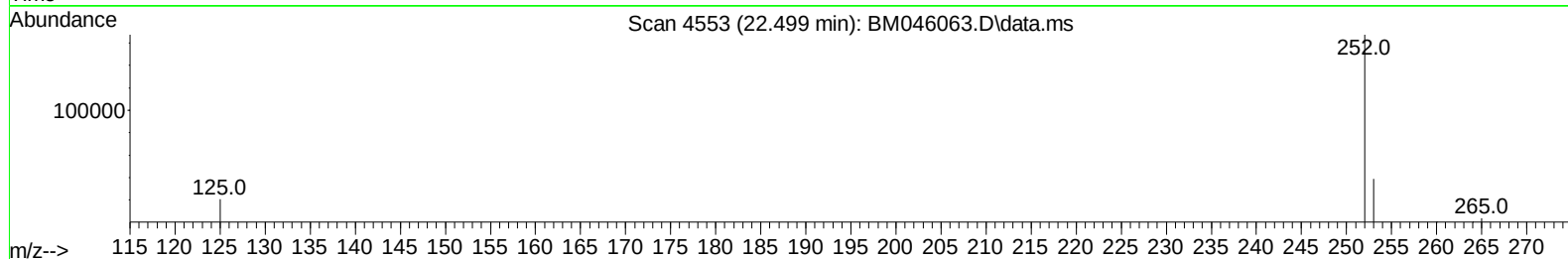
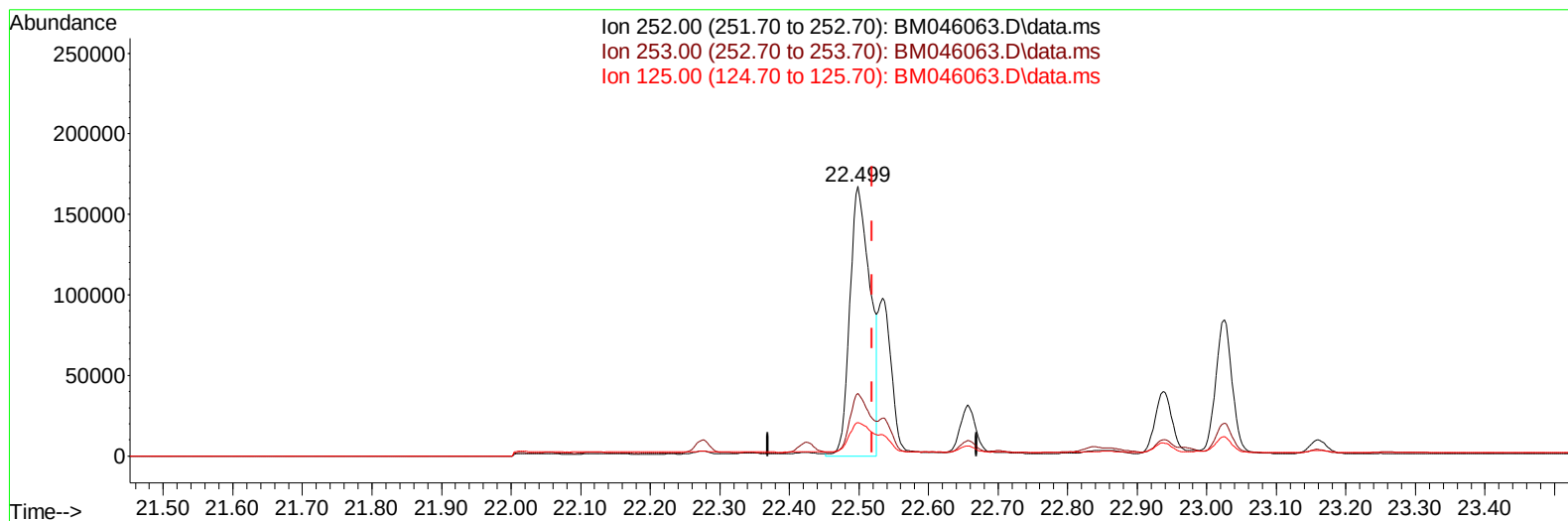
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046063.D
Acq On : 18 Jun 2024 22:28
Operator : MA/JU
Sample : P2695-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK5

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:24:29 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: BM046063.D\data.ms

(24) Benzo(b)fluoranthene

22.499min (-0.021) 6.16 ng/ul m

response 339468

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	23.35
125.00	20.10	12.50
0.00	0.00	0.00

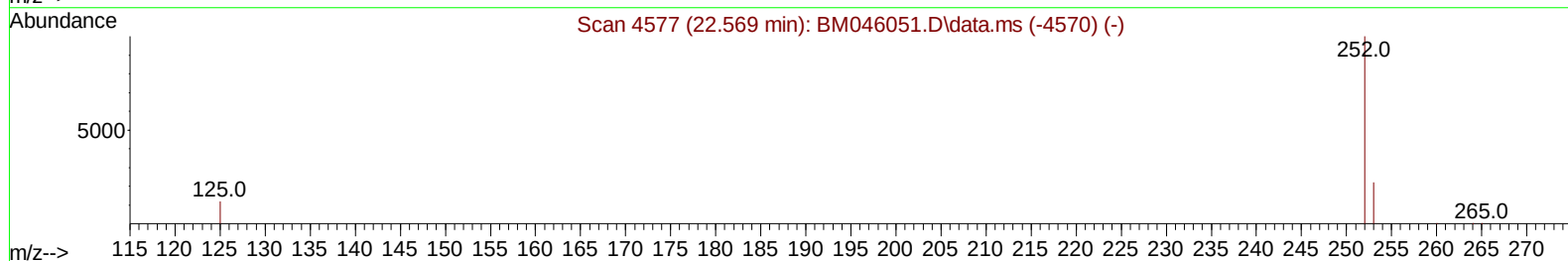
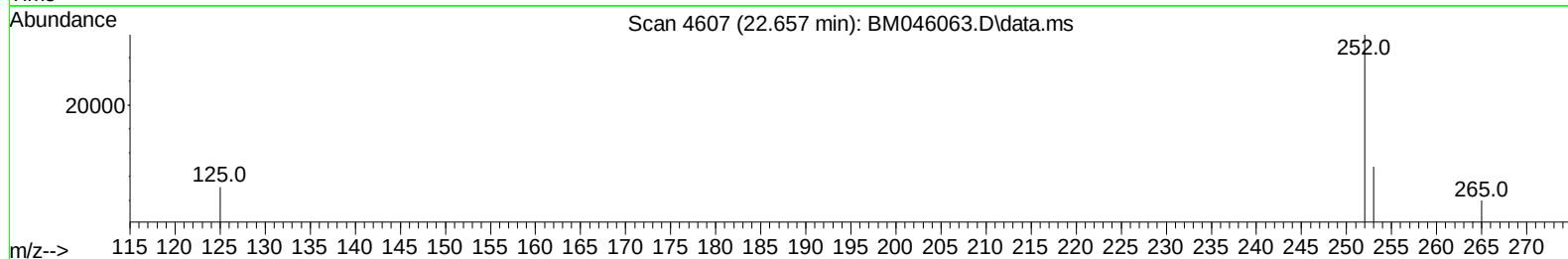
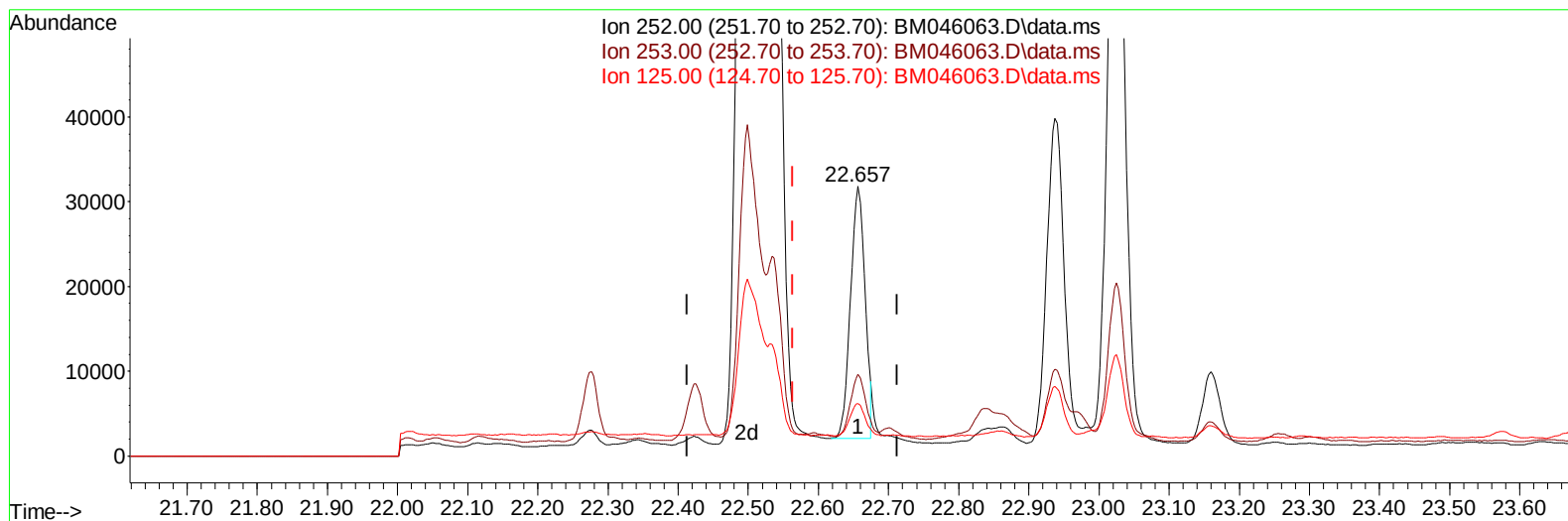
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046063.D
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Sample : P2695-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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TIC: BM046063.D\data.ms

(25) Benzo(k)fluoranthene

22.657min (+ 0.093) 0.65 ng/u1

response 42819

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	30.31
125.00	20.80	19.48
0.00	0.00	0.00

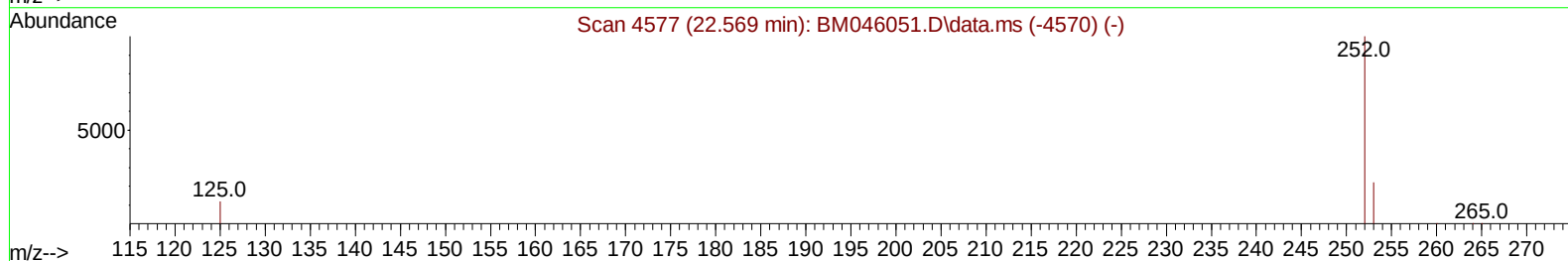
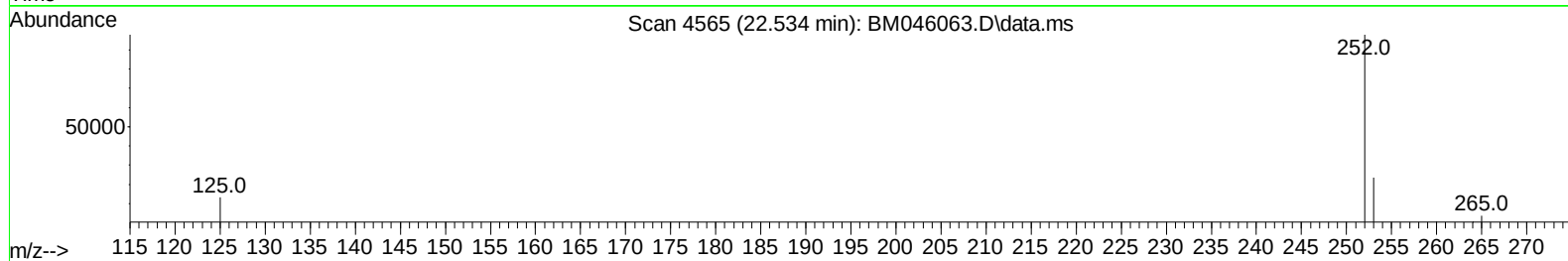
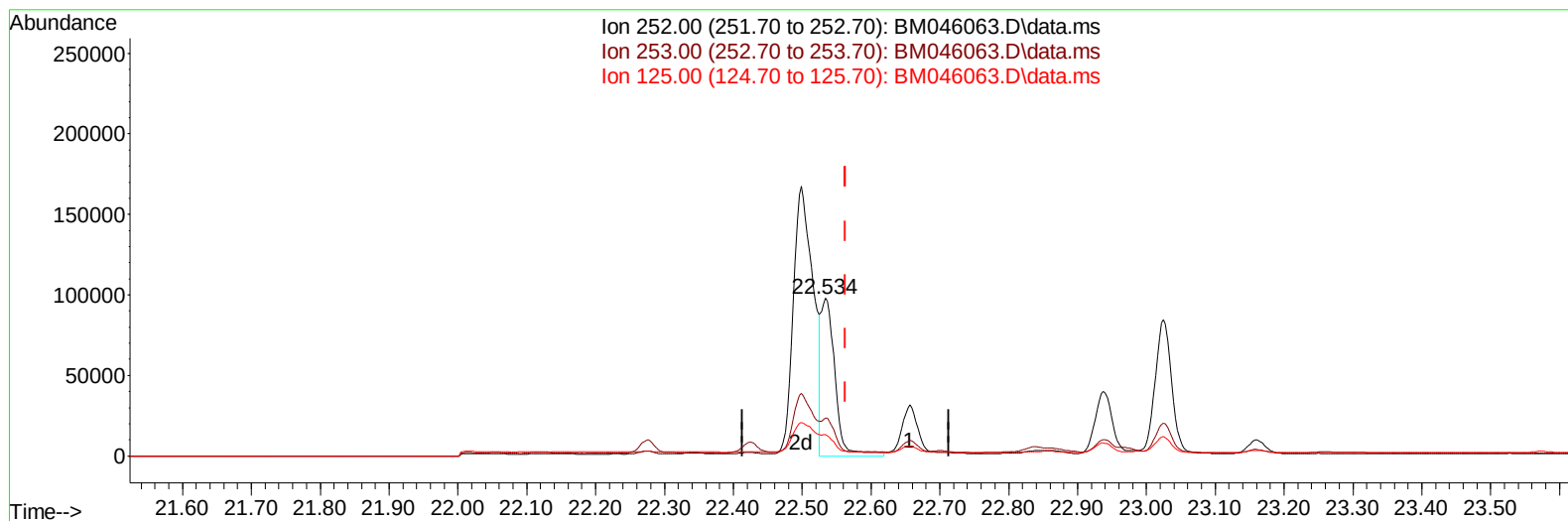
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
 Data File : BM046063.D
 Acq On : 18 Jun 2024 22:28
 Operator : MA/JU
 Sample : P2695-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BK5

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TIC: BM046063.D\data.ms

(25) Benzo(k)fluoranthene

22.534min (-0.030) 2.09 ng/ul m

response 136923

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	24.11#
125.00	20.80	13.43#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
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 Operator : MA/JU
 Sample : P2695-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BK5

Manual IntegrationsAPPROVED

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.430	152	4867	0.400	ng/ul	#-0.03
4) Naphthalene-d8	10.205	136	13774	0.400	ng/ul	#-0.05
9) Acenaphthene-d10	14.081	164	7496	0.400	ng/ul	-0.03
13) Phenanthrene-d10	16.821	188	16307m	0.400	ng/ul	-0.04
17) Chrysene-d12	21.017	240	12463m	0.400	ng/ul	-0.03
23) Perylene-d12	23.116	264	15291m	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.038	96	18044	2.702	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.822	152	4224	0.228	ng/ul	-0.04
18) Fluoranthene-d10	18.854	212	11066	0.296	ng/ul	-0.03
Target Compounds						
						Qvalue
5) Naphthalene	10.249	128	7311	0.190	ng/ul	96
7) 2-Methylnaphthalene	11.899	142	2147	0.099	ng/ul	99
8) 1-Methylnaphthalene	12.113	142	1609	0.068	ng/ul	97
10) Acenaphthylene	13.799	152	15167	0.427	ng/ul	98
11) Acenaphthene	14.141	153	6314	0.246	ng/ul	98
12) Fluorene	15.136	166	10280	0.373	ng/ul	98
15) Phenanthrene	16.863	178	282914m	6.175	ng/ul	
16) Anthracene	16.956	178	68958m	2.021	ng/ul	
19) Fluoranthene	18.886	202	691586	12.816	ng/ul	95
20) Pyrene	19.249	202	476867	8.171	ng/ul	96
21) Benzo(a)anthracene	21.003	228	319924m	6.646	ng/ul	
22) Chrysene	21.055	228	289416	4.711	ng/ul	98
24) Benzo(b)fluoranthene	22.499	252	339468m	6.162	ng/ul	
25) Benzo(k)fluoranthene	22.534	252	136923m	2.091	ng/ul	
26) Benzo(a)pyrene	23.025	252	137875	2.701	ng/ul#	75
27) Indeno(1,2,3-cd)pyrene	25.165	276	114733	1.373	ng/ul#	95
28) Dibenzo(a,h)anthracene	25.172	278	39905	0.642	ng/ul	97
29) Benzo(g,h,i)perylene	25.792	276	15570	0.217	ng/ul	91

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

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