

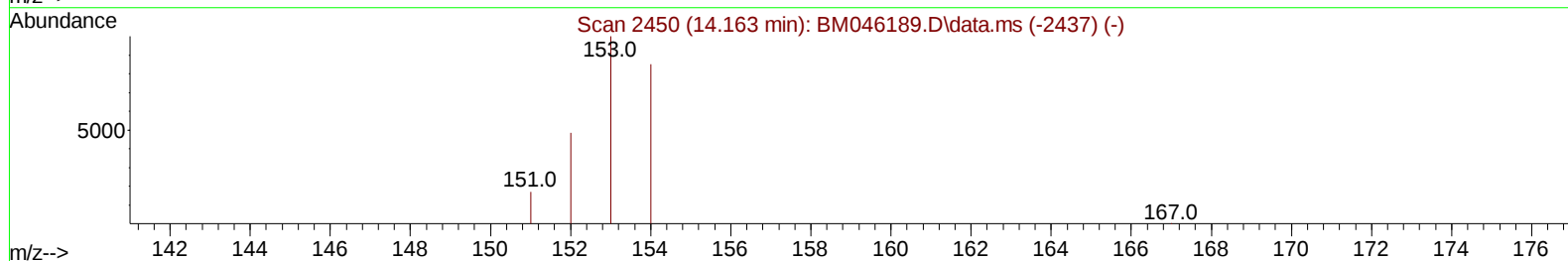
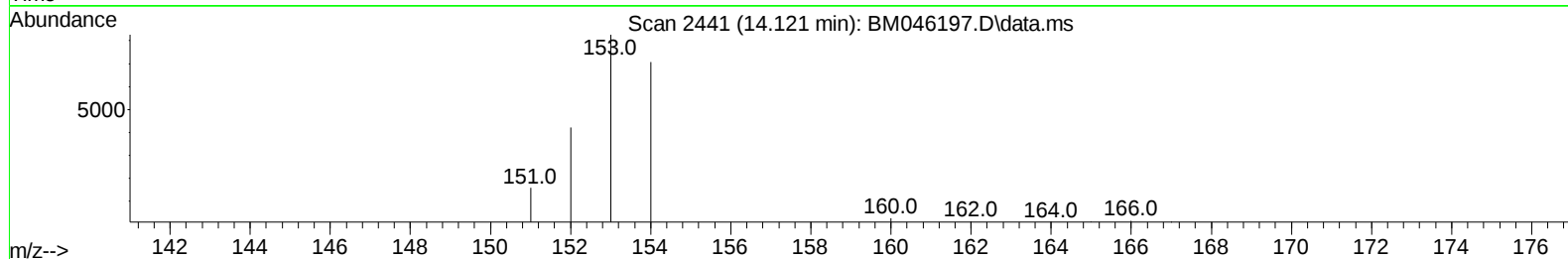
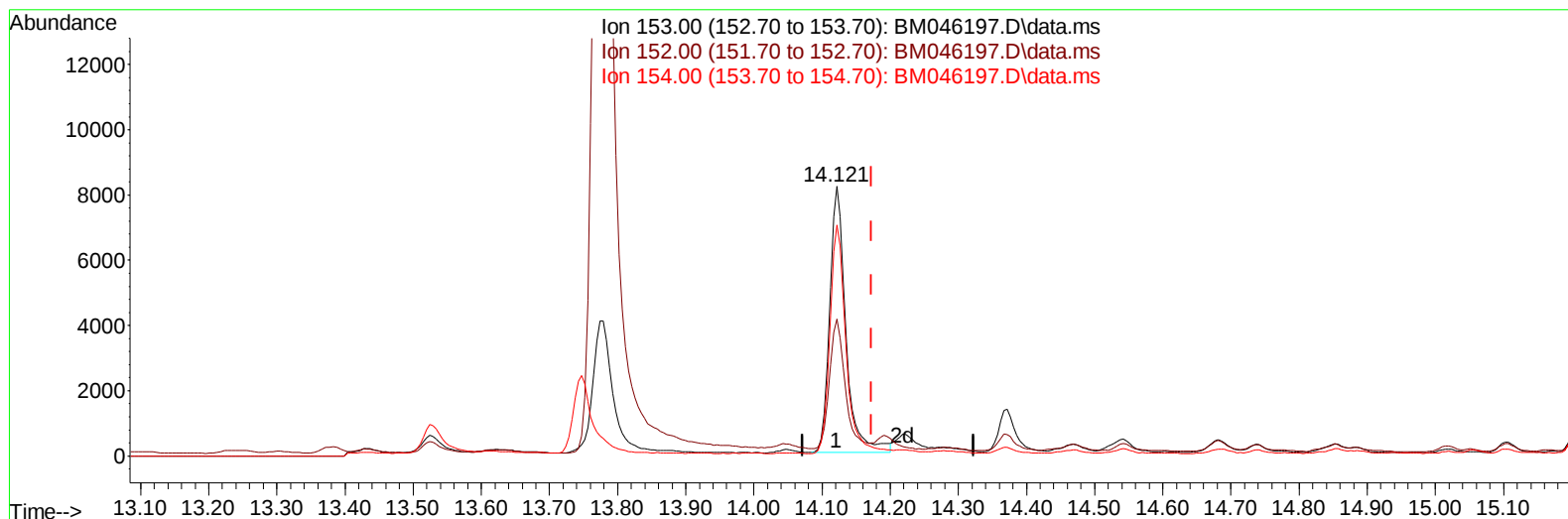
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046197.D
Acq On : 22 Jun 2024 14:38
Operator : MA/JU
Sample : P2775-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D59

Manual IntegrationsAPPROVED

Quant Time: Jun 22 15:22:58 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 : Sat Jun 22 02:10:56 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046197.D\data.ms

(11) Acenaphthene (C)

14.121min (-0.051) 1.04 ng/u1

response 13551

Ion	Exp%	Act%
153.00	100.00	100.00
152.00	51.60	50.89
154.00	85.30	85.66
0.00	0.00	0.00

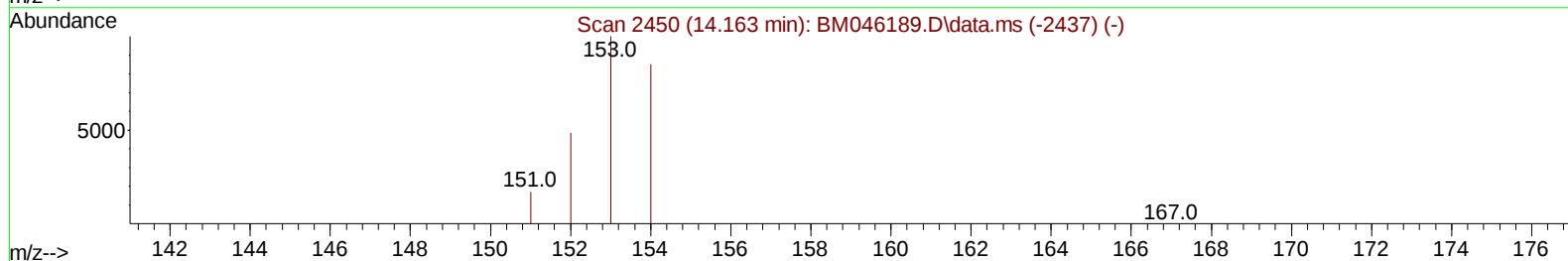
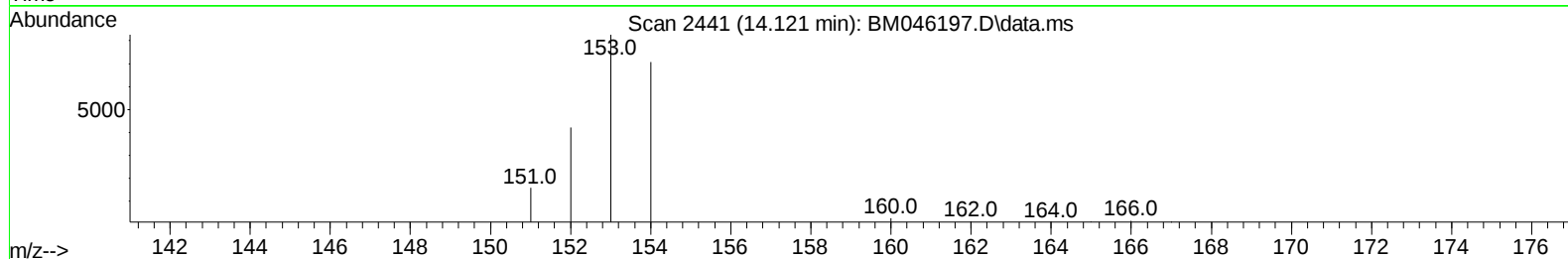
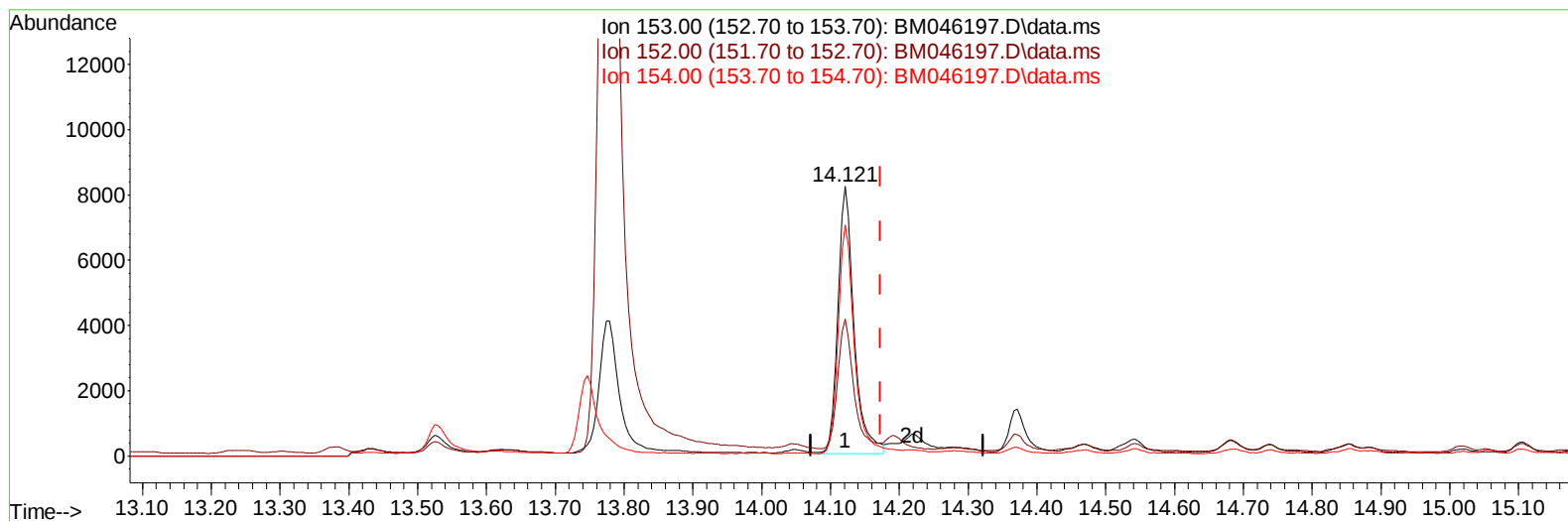
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
 Data File : BM046197.D
 Acq On : 22 Jun 2024 14:38
 Operator : MA/JU
 Sample : P2775-22
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4D59

Manual IntegrationsAPPROVED

Quant Time: Jun 22 15:22:58 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 : Sat Jun 22 02:10:56 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
 Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046197.D\data.ms

(11) Acenaphthene (C)

14.121min (-0.051) 1.02 ng/u1 m

response 13326

Ion	Exp%	Act%
153.00	100.00	100.00
152.00	51.60	50.89
154.00	85.30	85.66
0.00	0.00	0.00

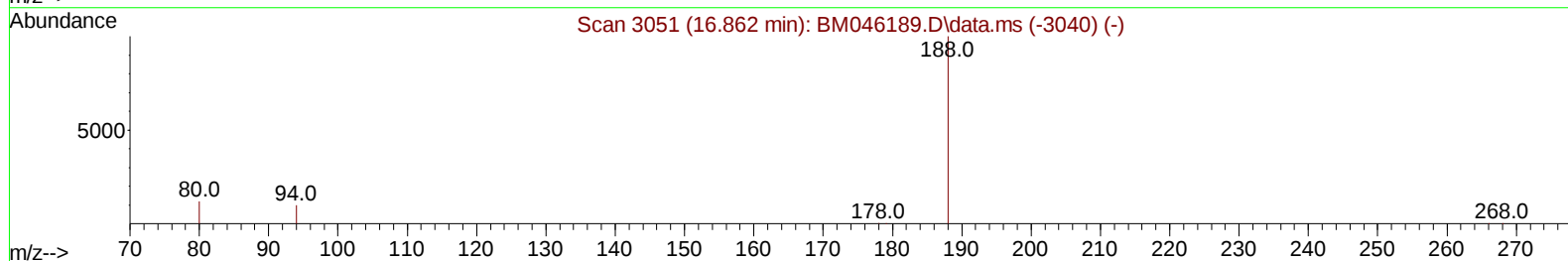
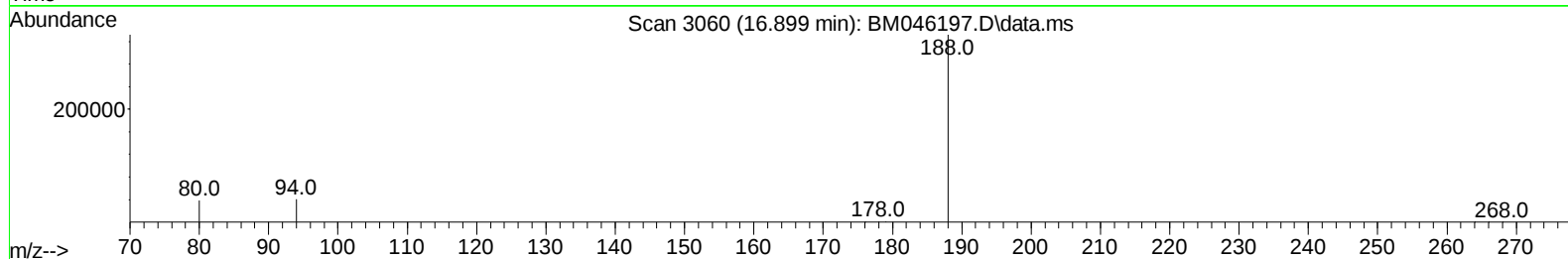
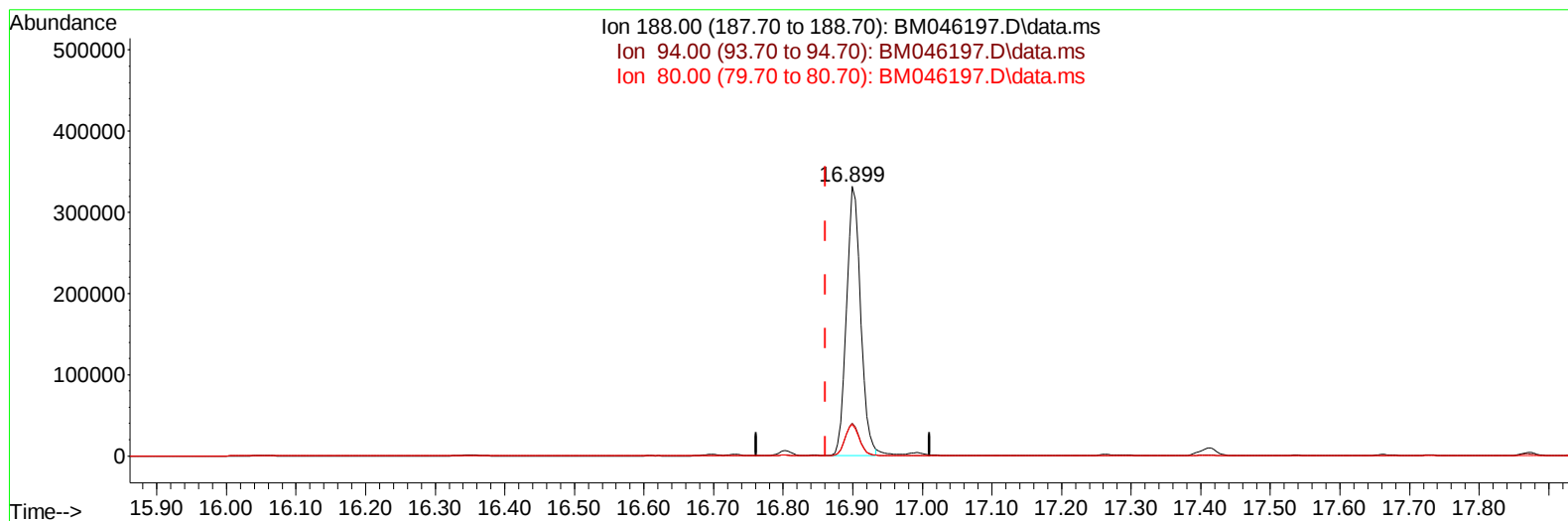
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046197.D
Acq On : 22 Jun 2024 14:38
Operator : MA/JU
Sample : P2775-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D59

Manual IntegrationsAPPROVED

Quant Time: Jun 22 15:22:58 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 : Sat Jun 22 02:10:56 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046197.D\data.ms

(13) Phenanthrene-d10 (I)

16.899min (+ 0.038) 0.40 ng/u1

response 467831

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.15
80.00	15.20	11.65#
0.00	0.00	0.00

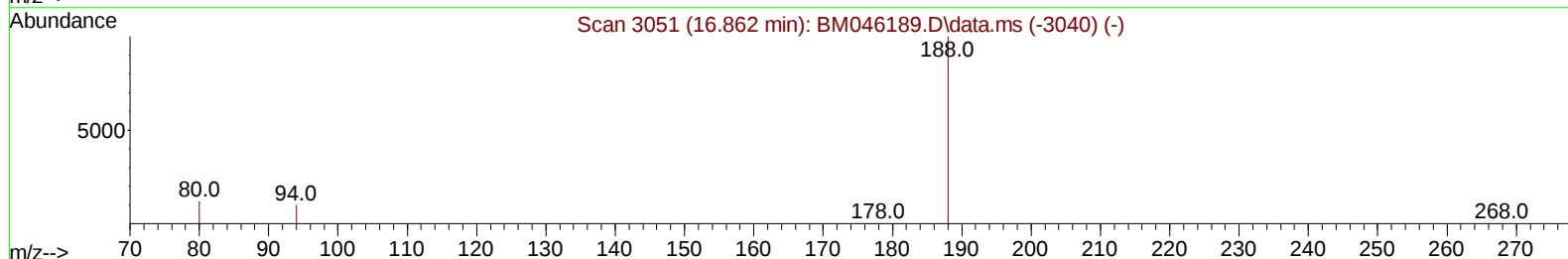
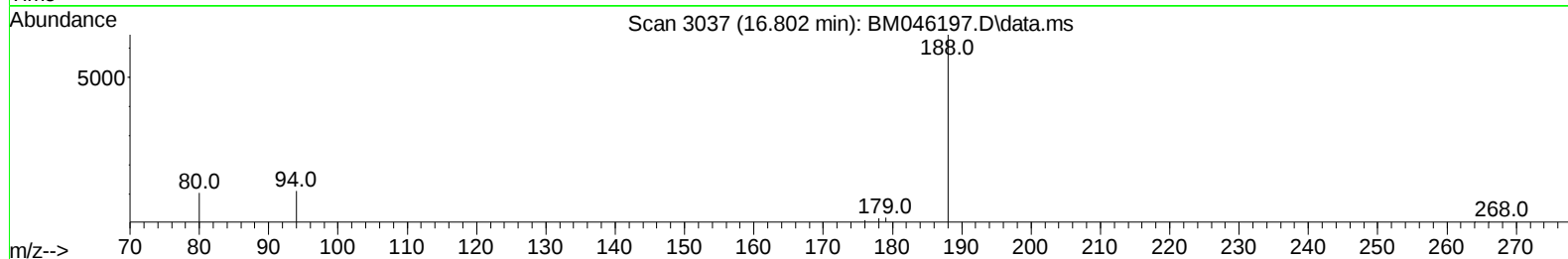
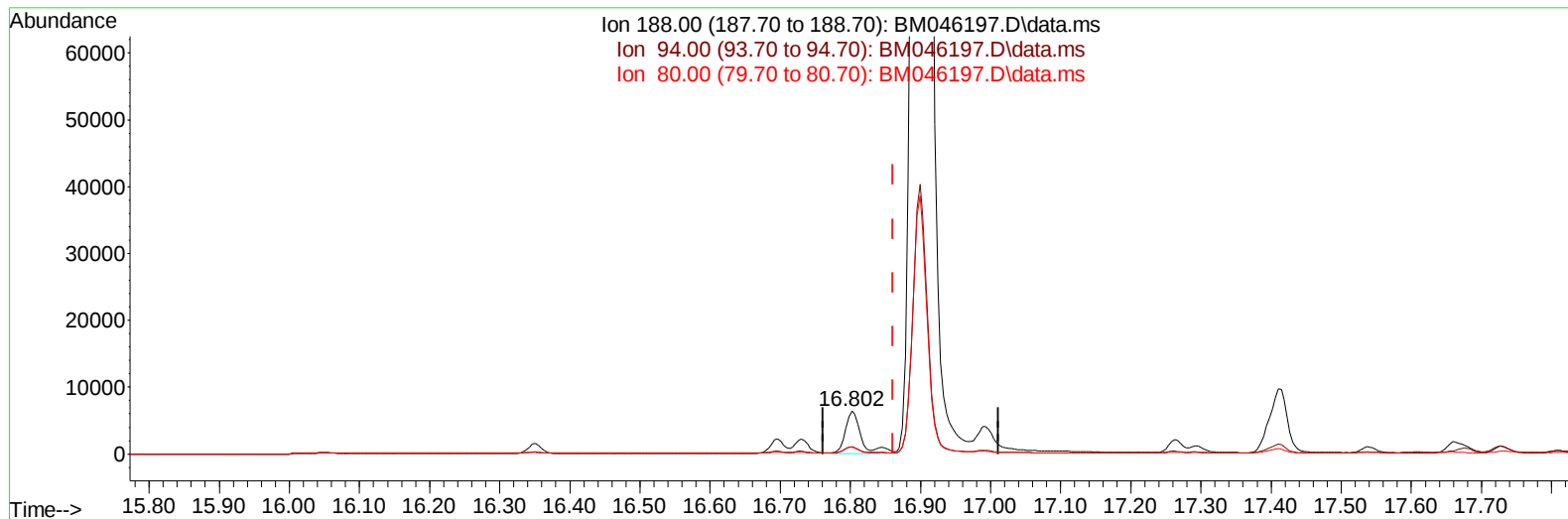
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046197.D
Acq On : 22 Jun 2024 14:38
Operator : MA/JU
Sample : P2775-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D59

Manual IntegrationsAPPROVED

Quant Time: Jun 22 15:22:58 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 : Sat Jun 22 02:10:56 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046197.D\data.ms

(13) Phenanthrene-d10 (I)

16.802min (-0.059) 0.40 ng/u1 m

response 8641

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	17.25#
80.00	15.20	16.29
0.00	0.00	0.00

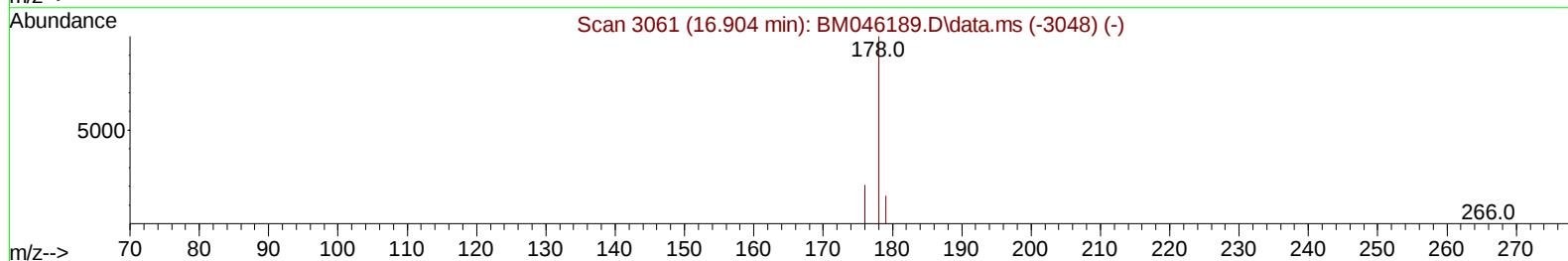
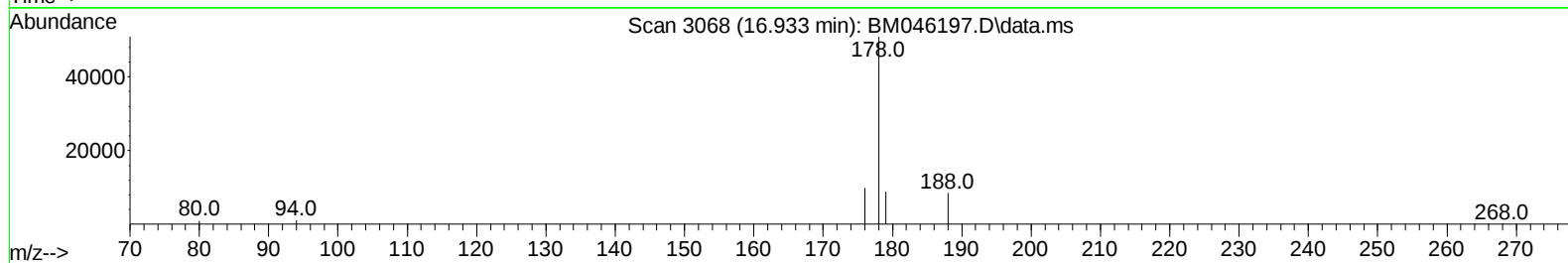
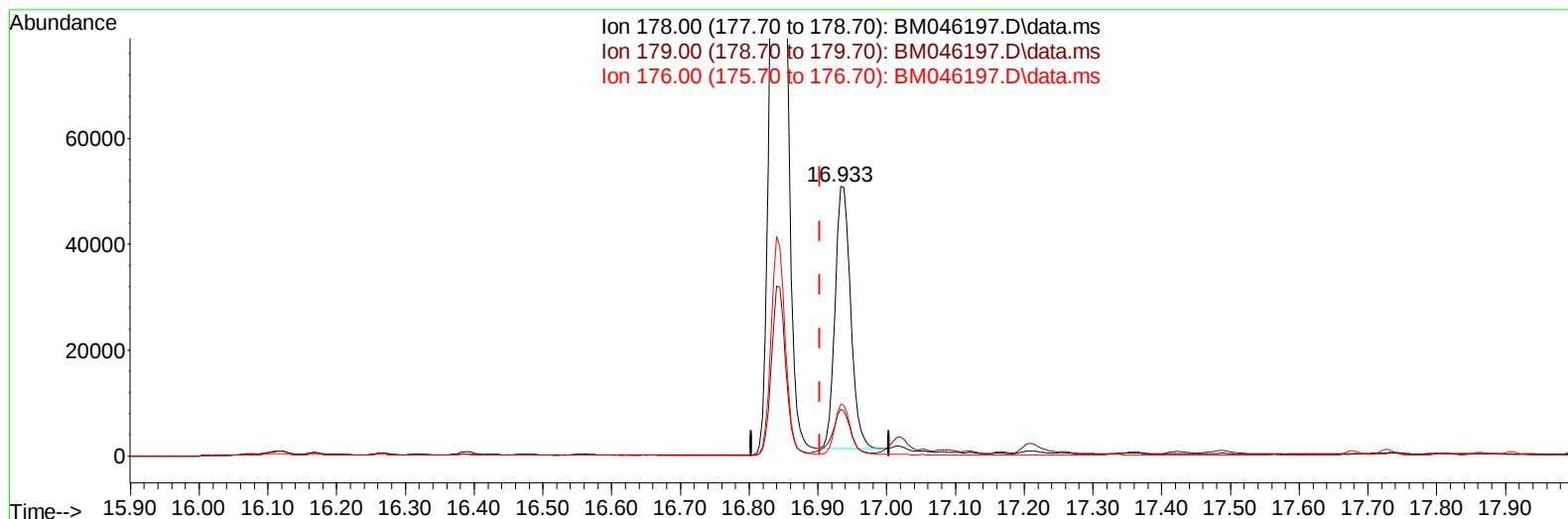
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046197.D
Acq On : 22 Jun 2024 14:38
Operator : MA/JU
Sample : P2775-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D59

Manual IntegrationsAPPROVED

Quant Time: Jun 22 15:22:58 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 22 02:10:56 2024
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TIC: BM046197.D\data.ms

(15) Phenanthrene

16.933min (+ 0.030) 3.21 ng/u1

response 77938

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	17.27
176.00	21.40	19.34
0.00	0.00	0.00

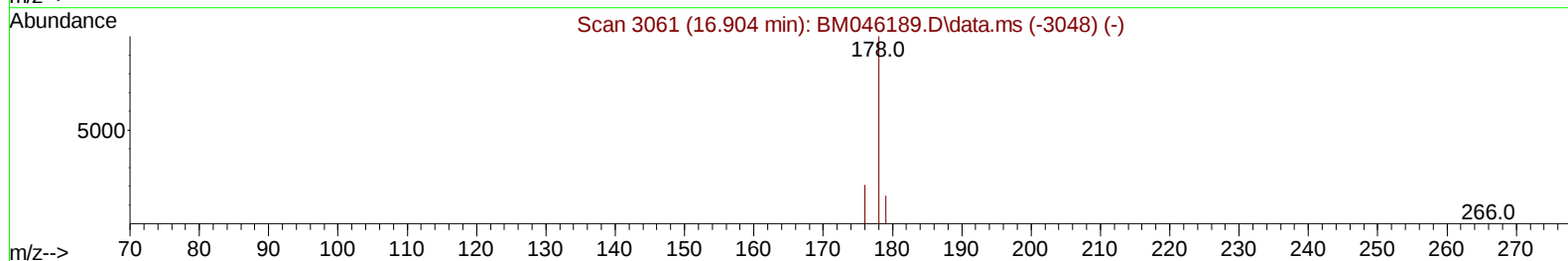
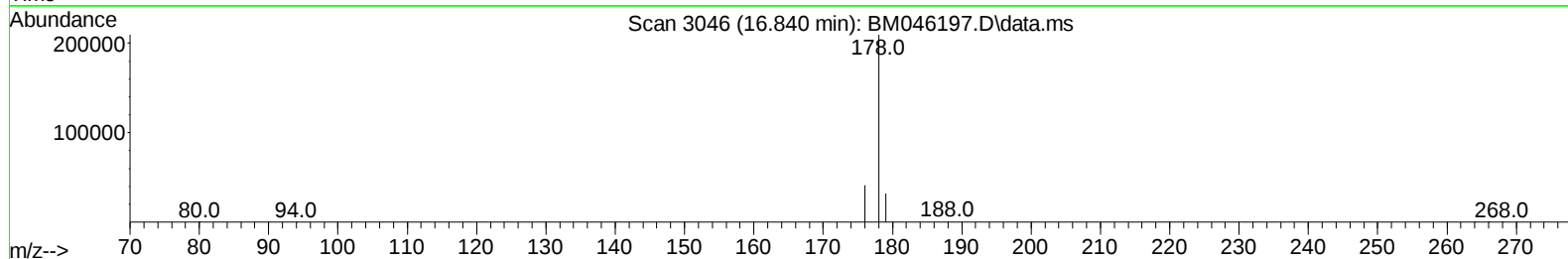
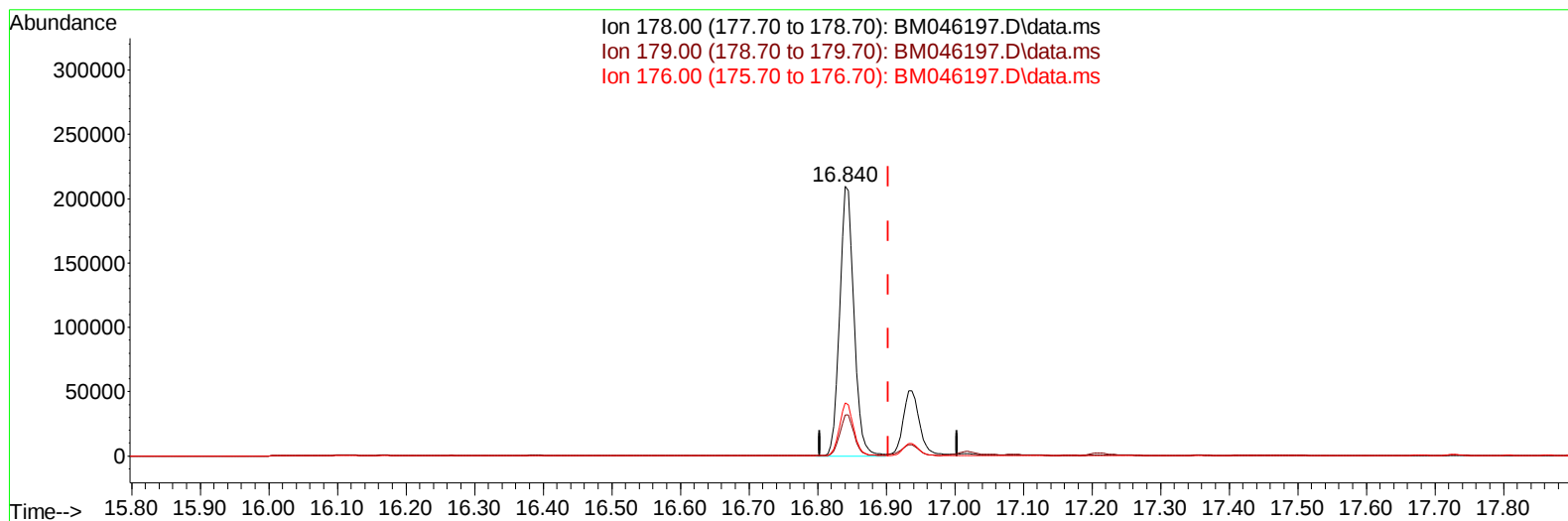
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 Data File : BM046197.D
 Acq On : 22 Jun 2024 14:38
 Operator : MA/JU
 Sample : P2775-22
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4D59

Manual IntegrationsAPPROVED

Quant Time: Jun 22 15:22:58 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 : Sat Jun 22 02:10:56 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
 Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046197.D\data.ms

(15) Phenanthrene

16.840min (-0.063) 12.50 ng/ul m

response 303469

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.34
176.00	21.40	19.78
0.00	0.00	0.00

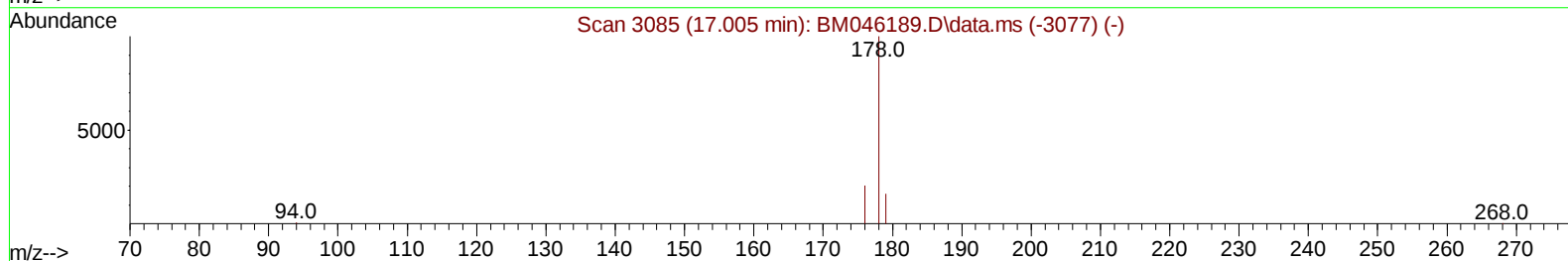
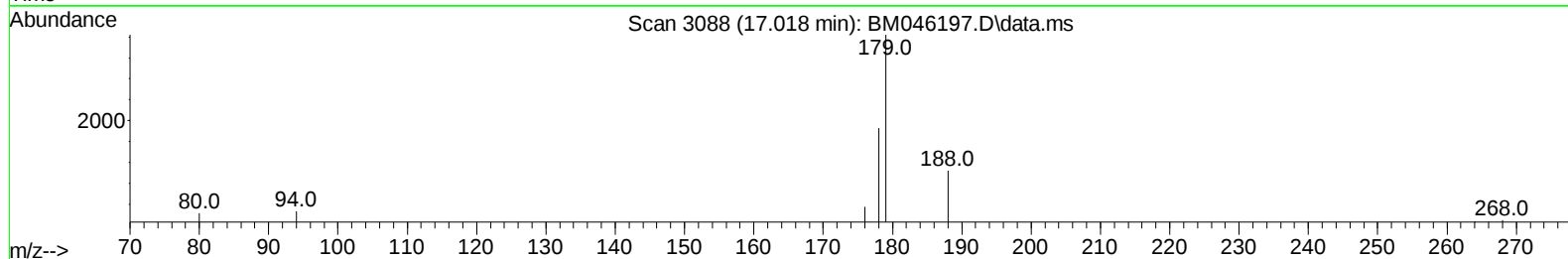
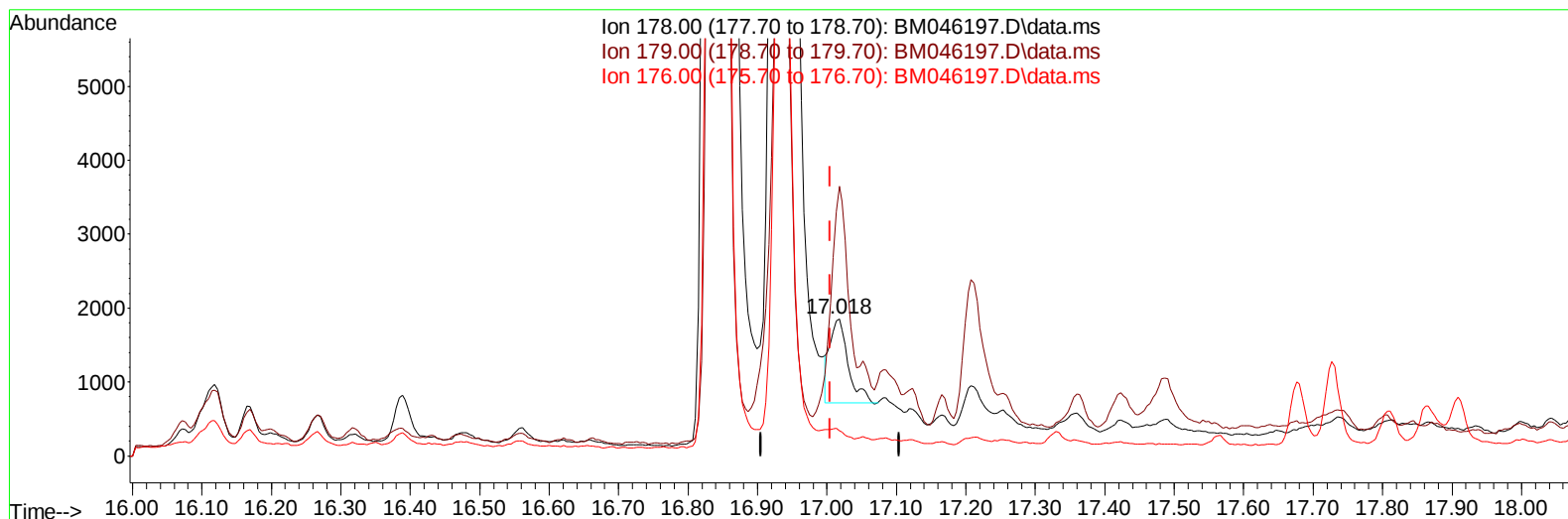
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046197.D
Acq On : 22 Jun 2024 14:38
Operator : MA/JU
Sample : P2775-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D59

Manual IntegrationsAPPROVED

Quant Time: Jun 22 15:22:58 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 : Sat Jun 22 02:10:56 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046197.D\data.ms

(16) Anthracene

17.018min (+ 0.013) 0.12 ng/u1

response 2099

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	196.71#
176.00	21.20	18.46
0.00	0.00	0.00

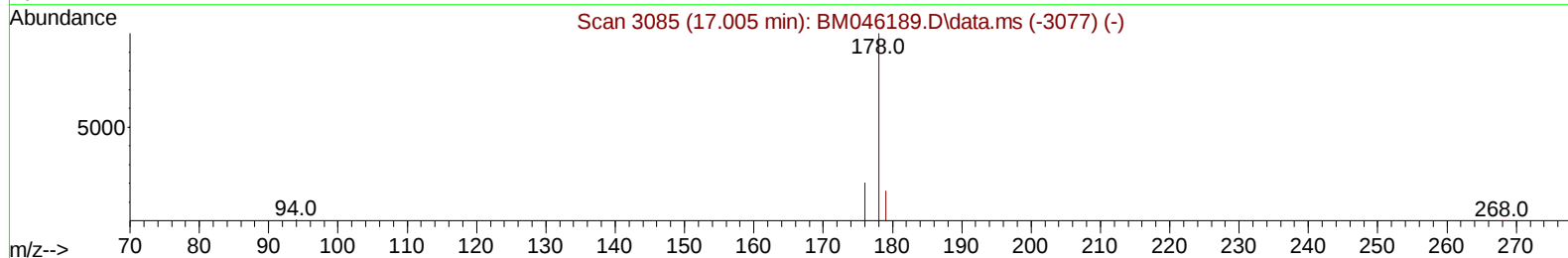
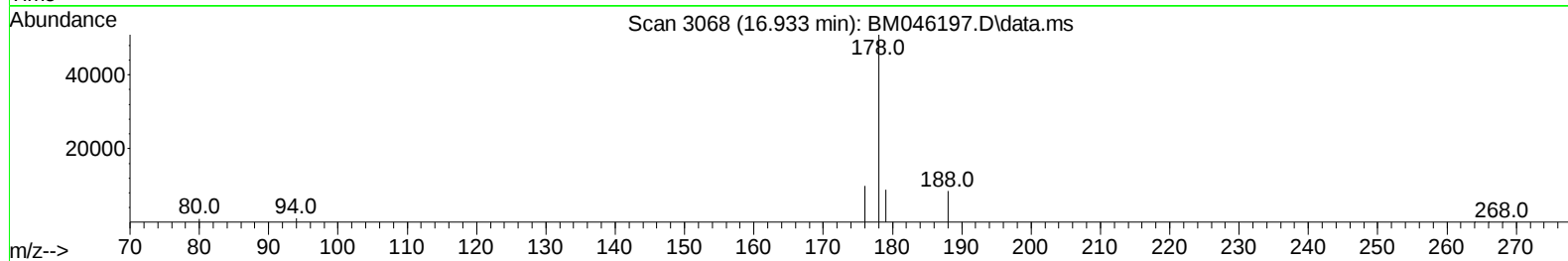
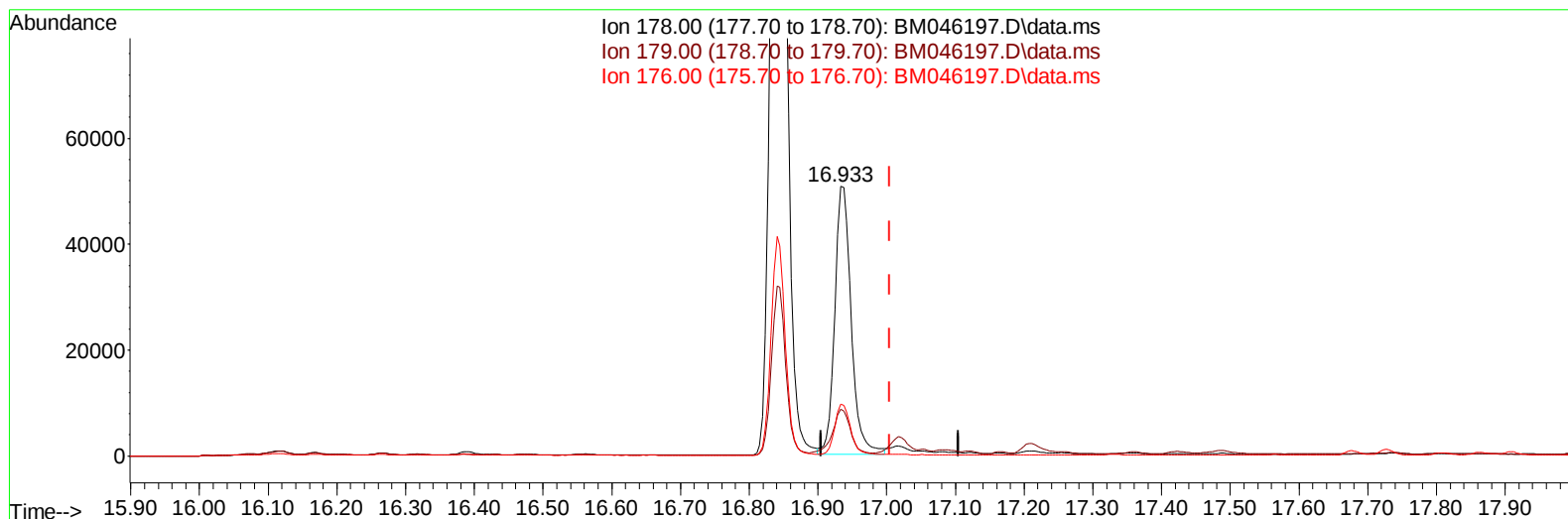
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046197.D
Acq On : 22 Jun 2024 14:38
Operator : MA/JU
Sample : P2775-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D59

Manual IntegrationsAPPROVED

Quant Time: Jun 22 15:22:58 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 : Sat Jun 22 02:10:56 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046197.D\data.ms

(16) Anthracene

16.933min (-0.072) 4.66 ng/u1 m

response 84265

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	17.27
176.00	21.20	19.34
0.00	0.00	0.00

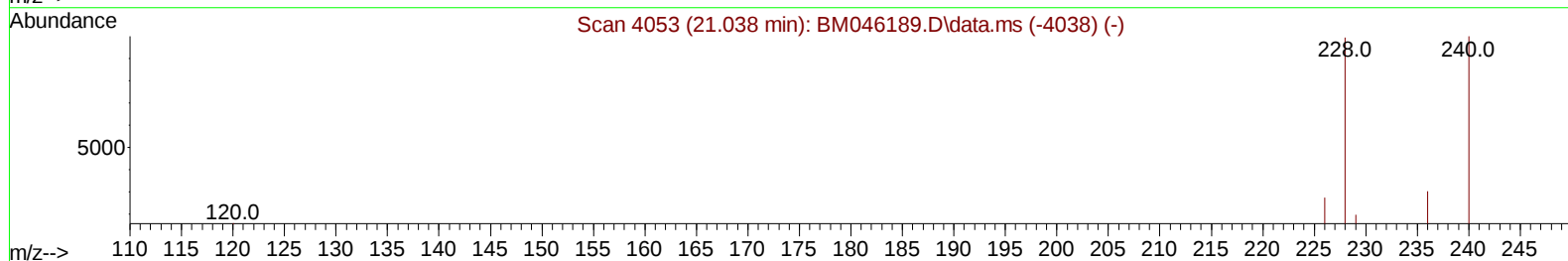
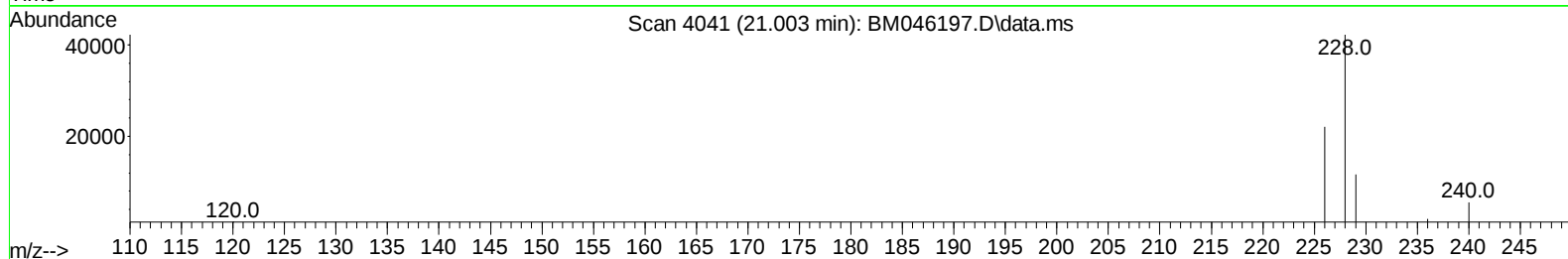
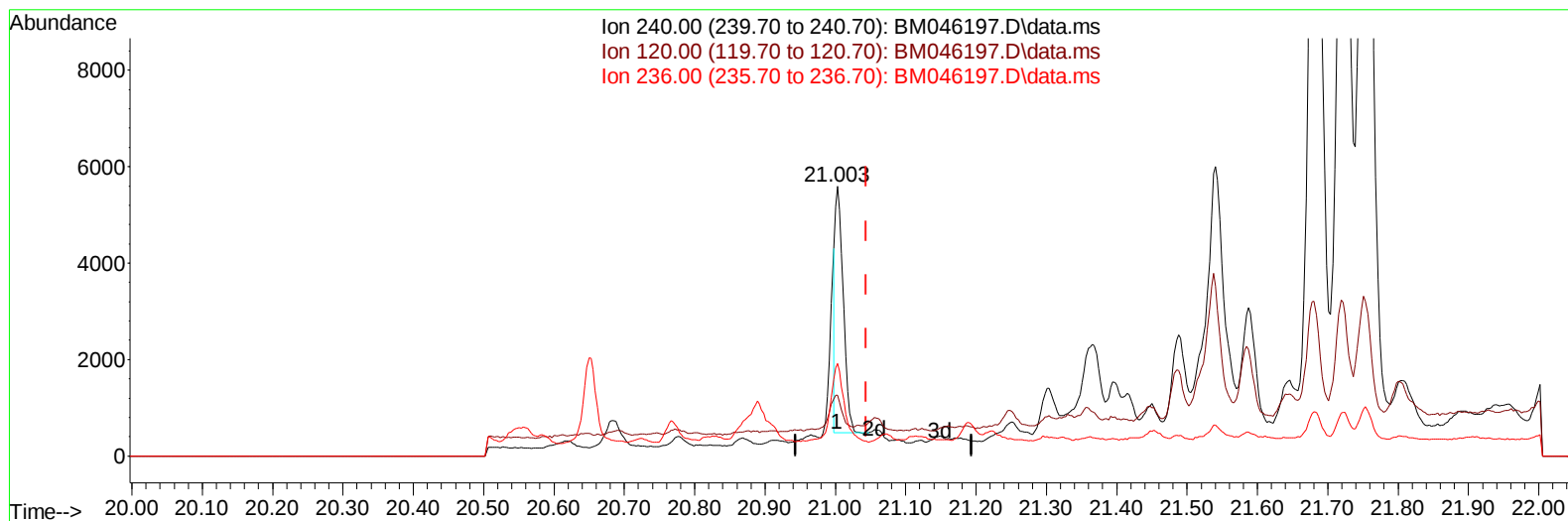
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046197.D
Acq On : 22 Jun 2024 14:38
Operator : MA/JU
Sample : P2775-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D59

Manual IntegrationsAPPROVED

Quant Time: Jun 22 15:22:58 2024
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TIC: BM046197.D\data.ms

(17) Chrysene-d12

21.003min (-0.041) 0.40 ng/u1

response 4175

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	22.51
236.00	33.60	34.23
0.00	0.00	0.00

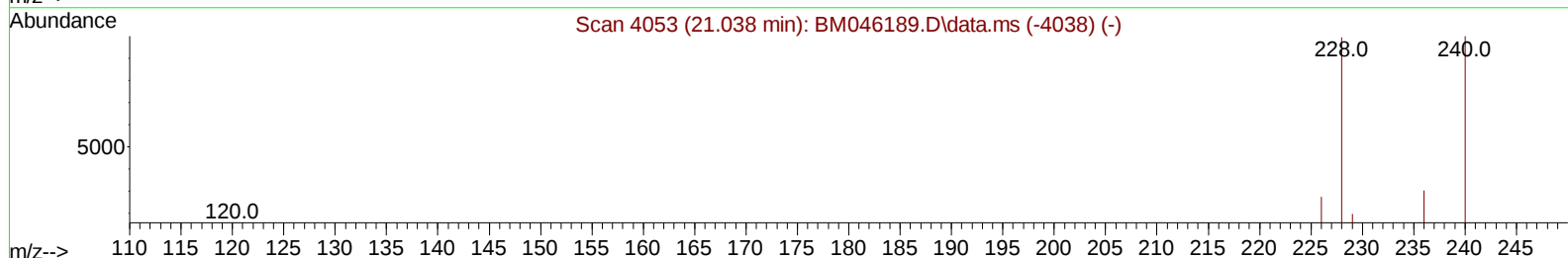
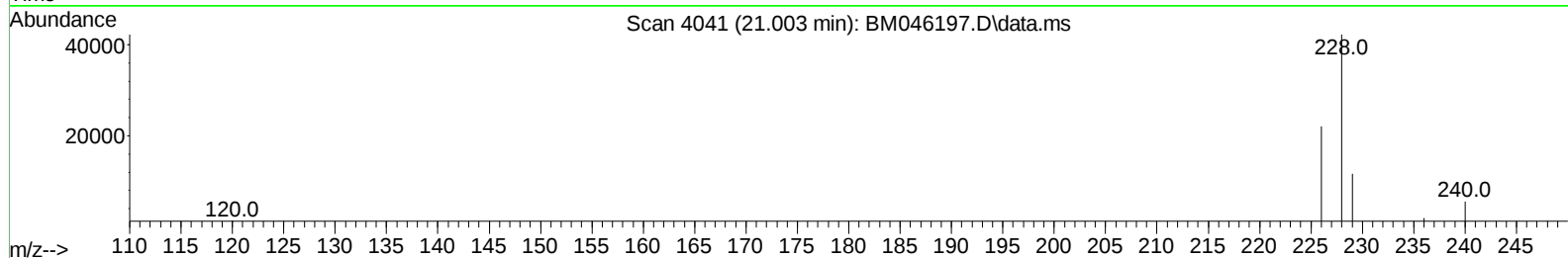
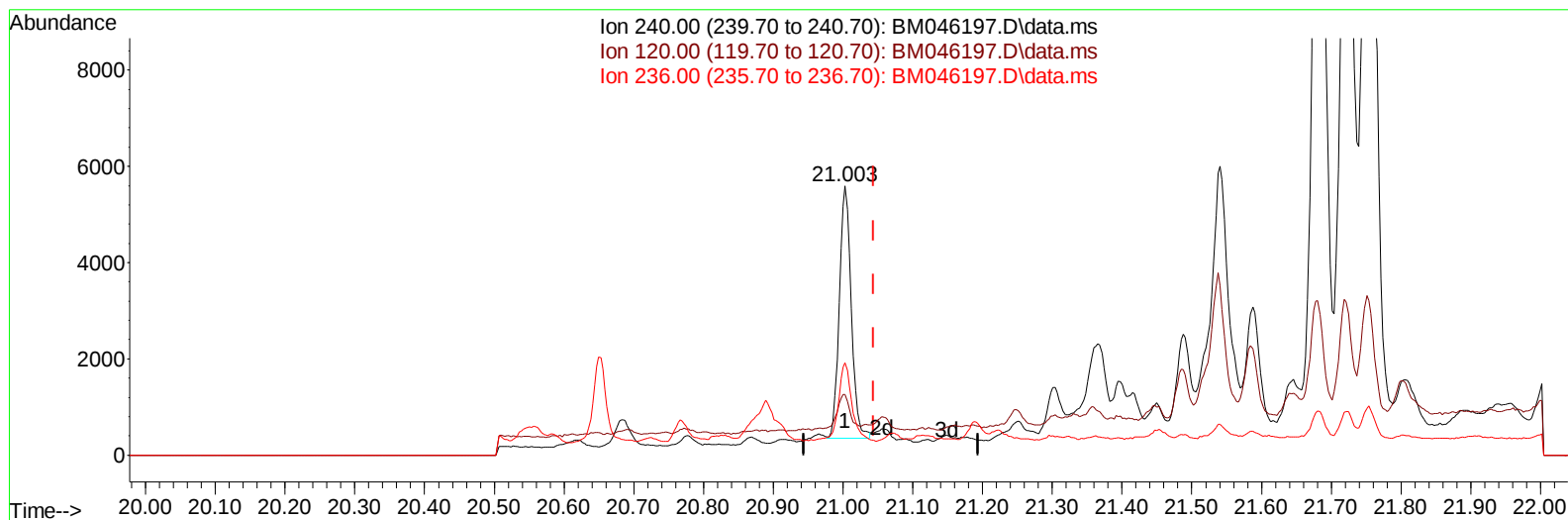
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046197.D
Acq On : 22 Jun 2024 14:38
Operator : MA/JU
Sample : P2775-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D59

Manual IntegrationsAPPROVED

Quant Time: Jun 22 15:22:58 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 : Sat Jun 22 02:10:56 2024
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Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046197.D\data.ms

(17) Chrysene-d12

21.003min (-0.041) 0.40 ng/u1 m

response 6231

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	22.51
236.00	33.60	34.23
0.00	0.00	0.00

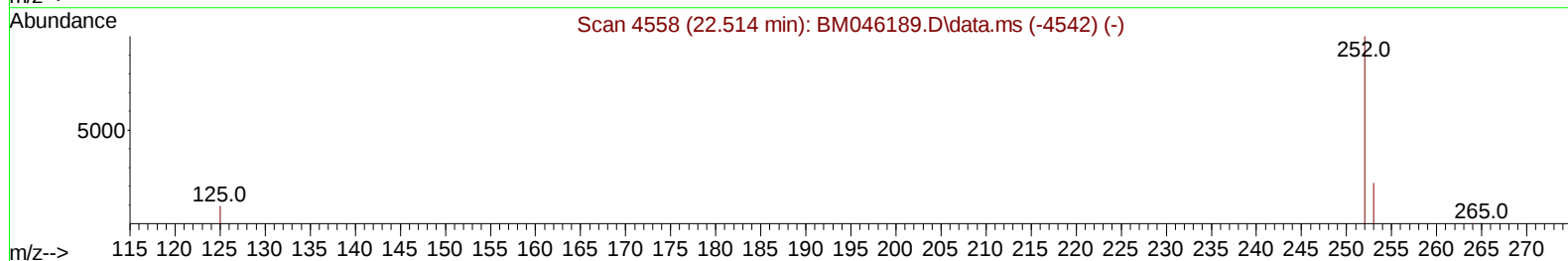
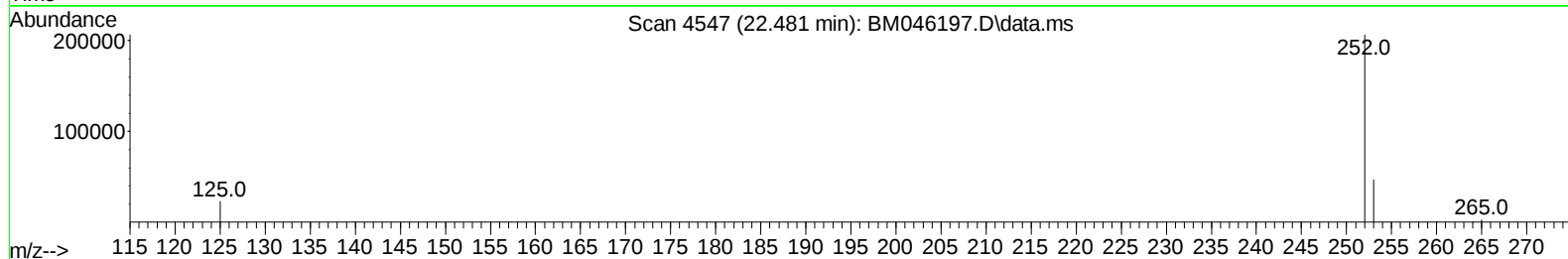
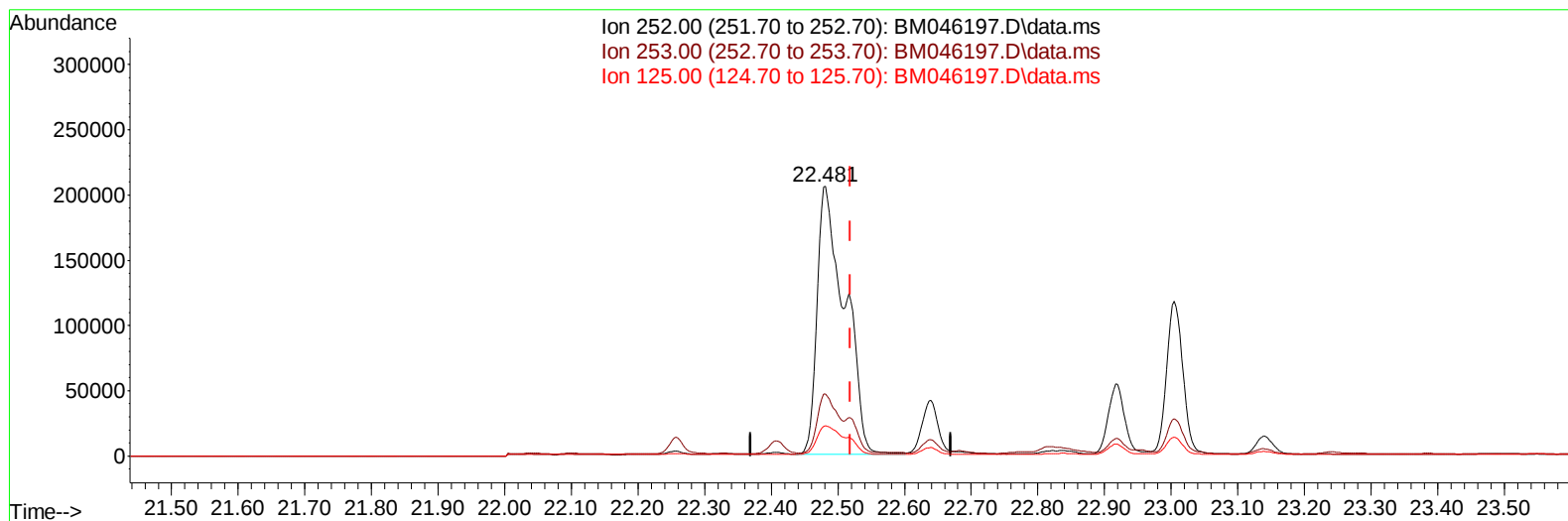
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046197.D
Acq On : 22 Jun 2024 14:38
Operator : MA/JU
Sample : P2775-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D59

Manual IntegrationsAPPROVED

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TIC: BM046197.D\data.ms

(24) Benzo(b)fluoranthene

22.481min (-0.038) 21.50 ng/u1

response 594517

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	22.93
125.00	20.10	11.34
0.00	0.00	0.00

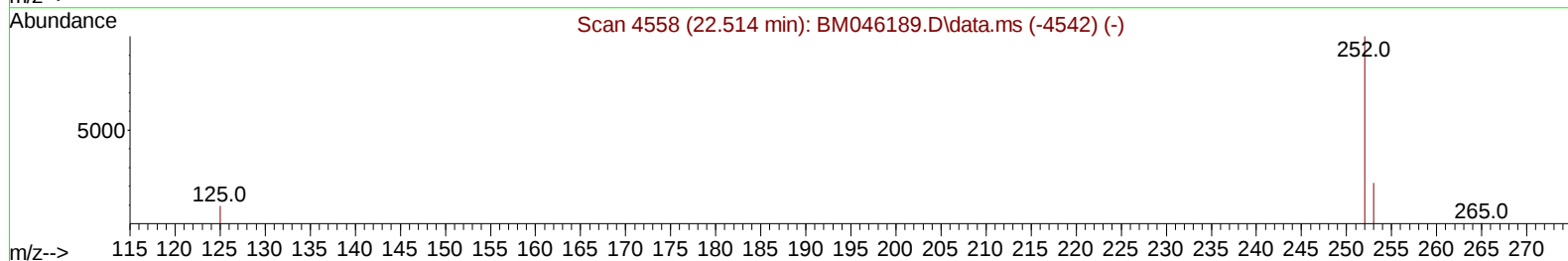
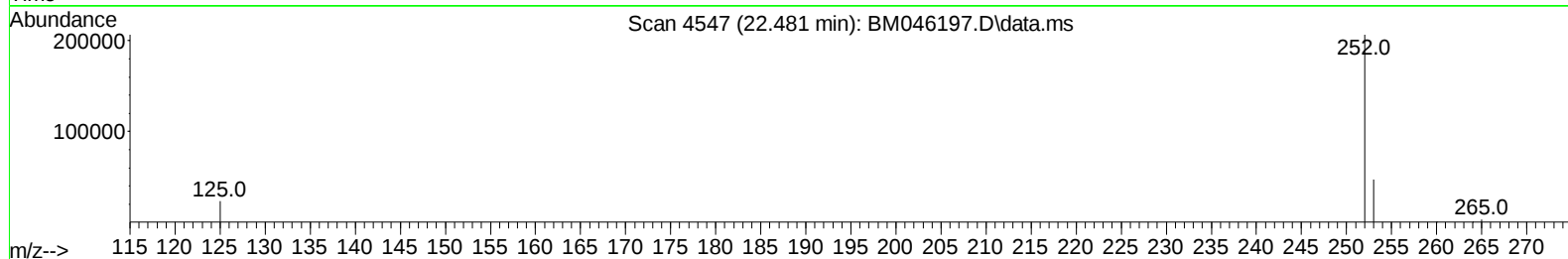
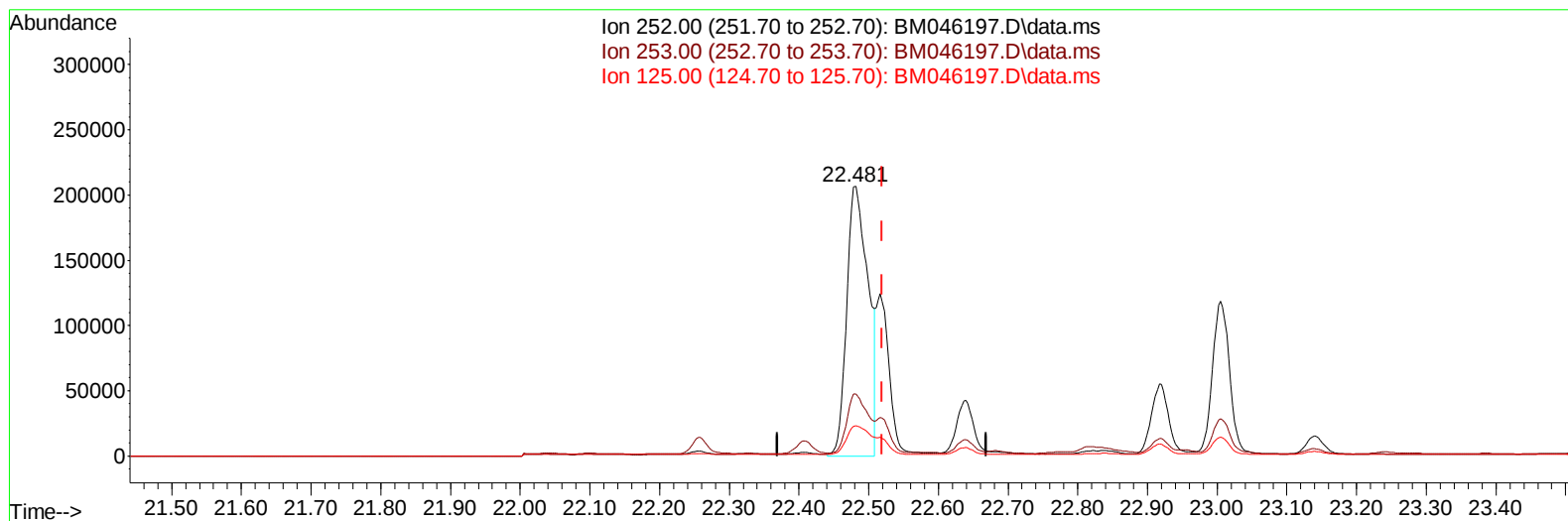
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046197.D
Acq On : 22 Jun 2024 14:38
Operator : MA/JU
Sample : P2775-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D59

Manual IntegrationsAPPROVED

Quant Time: Jun 22 15:22:58 2024
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Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046197.D\data.ms

(24) Benzo(b)fluoranthene

22.481min (-0.038) 15.84 ng/u1 m

response 438065

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	22.93
125.00	20.10	11.34
0.00	0.00	0.00

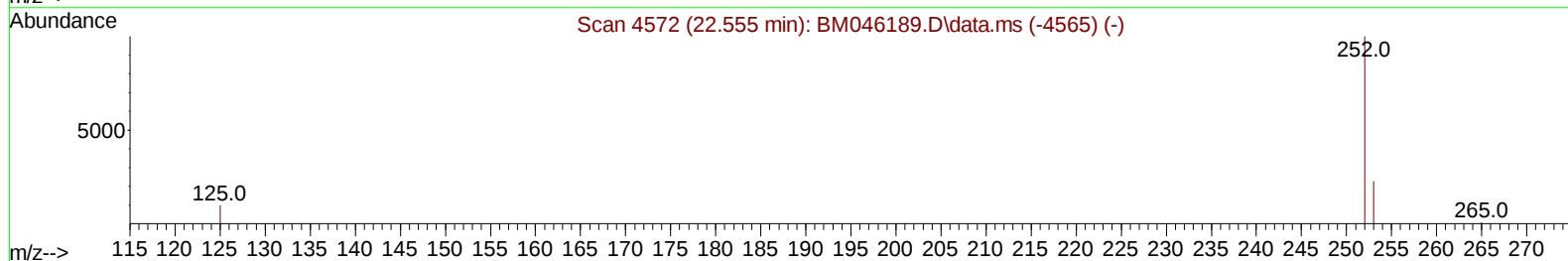
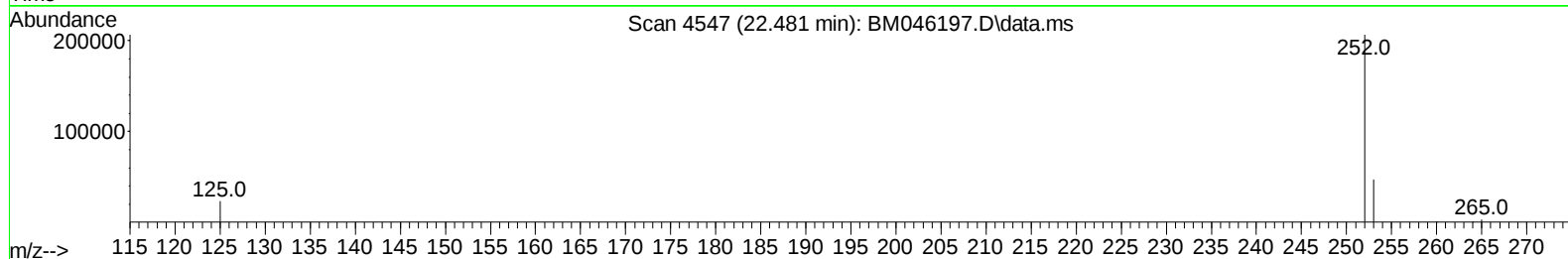
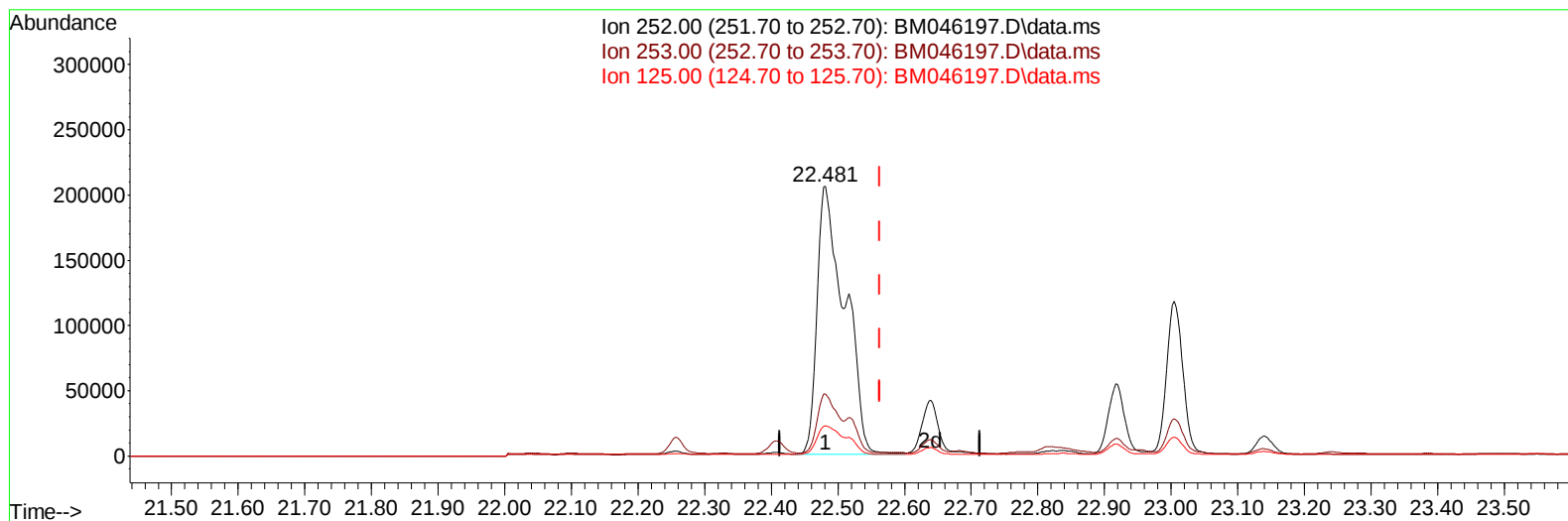
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046197.D
Acq On : 22 Jun 2024 14:38
Operator : MA/JU
Sample : P2775-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D59

Manual IntegrationsAPPROVED

Quant Time: Jun 22 15:22:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046197.D\data.ms

(25) Benzo(k)fluoranthene

22.481min (-0.082) 18.08 ng/u1

response 594517

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	22.93#
125.00	20.80	11.34#
0.00	0.00	0.00

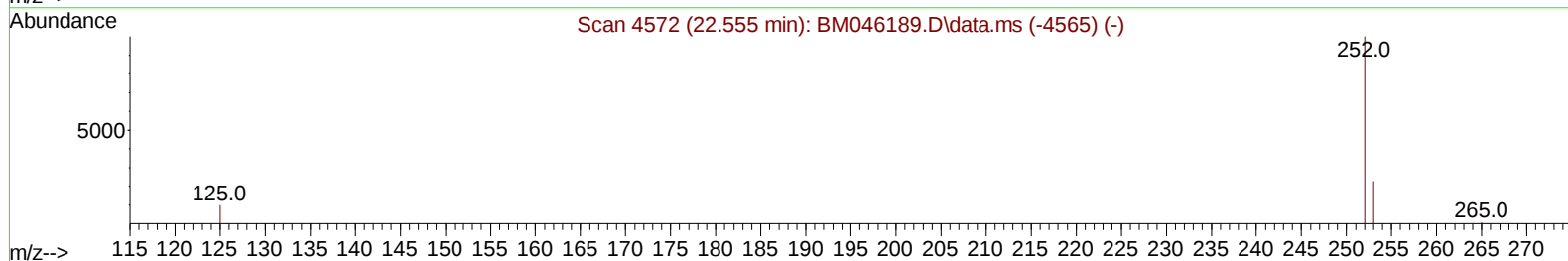
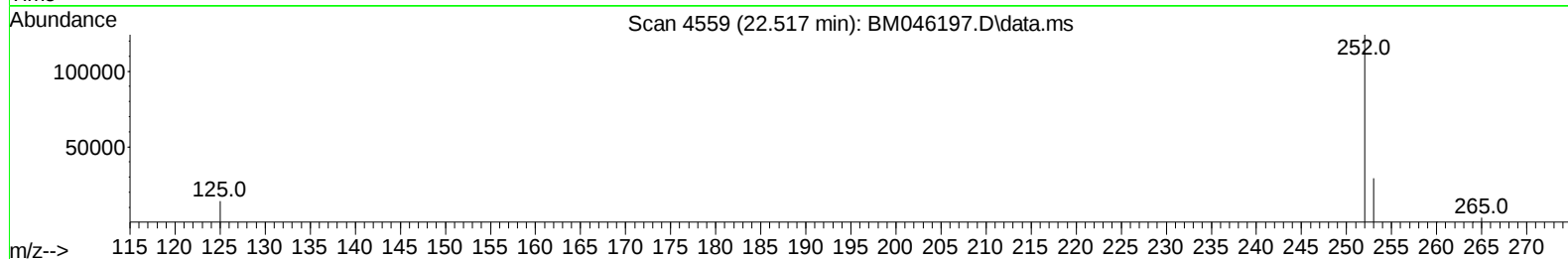
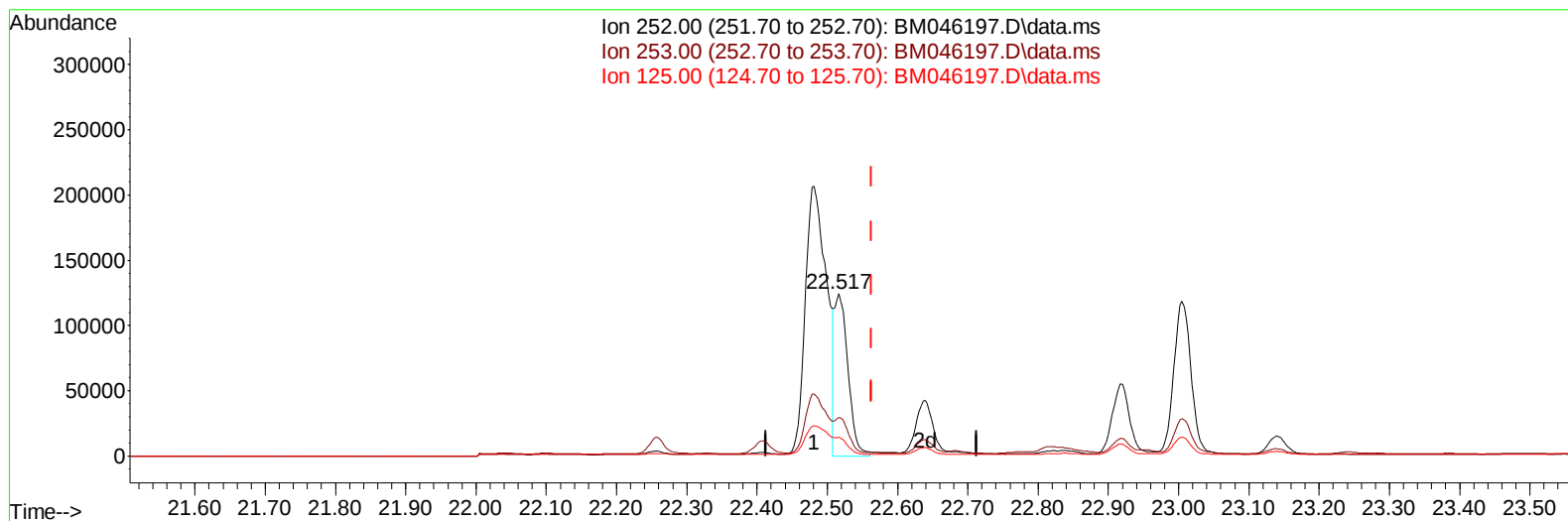
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
 Data File : BM046197.D
 Acq On : 22 Jun 2024 14:38
 Operator : MA/JU
 Sample : P2775-22
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4D59

Manual IntegrationsAPPROVED

Quant Time: Jun 22 15:22:58 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 : Sat Jun 22 02:10:56 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
 Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046197.D\data.ms

(25) Benzo(k)fluoranthene

22.517min (-0.047) 4.98 ng/u1 m

response 163569

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	23.71#
125.00	20.80	11.49#
0.00	0.00	0.00

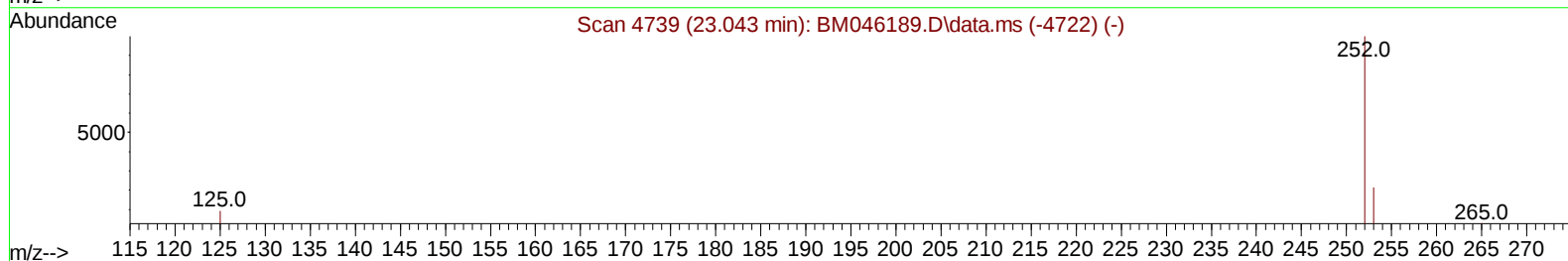
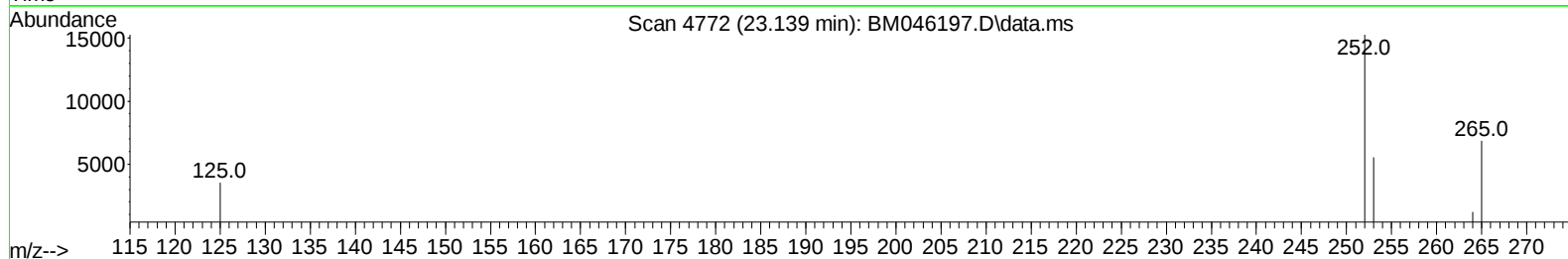
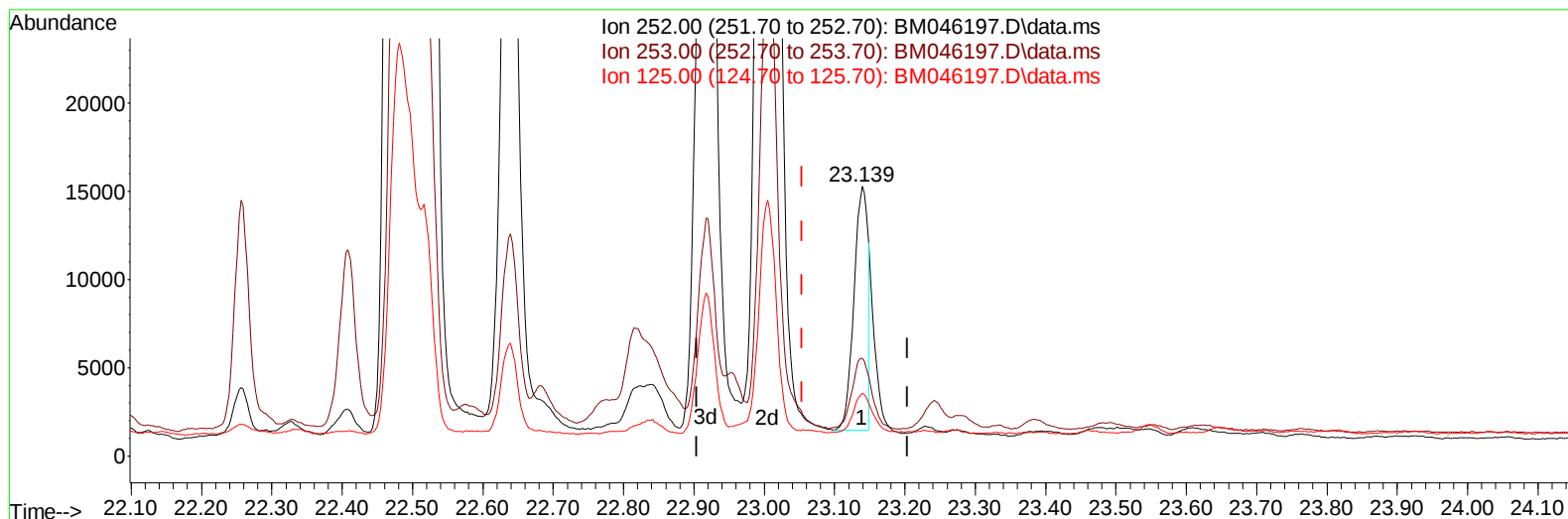
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046197.D
Acq On : 22 Jun 2024 14:38
Operator : MA/JU
Sample : P2775-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D59

Manual IntegrationsAPPROVED

Quant Time: Jun 22 15:22:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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TIC: BM046197.D\data.ms

(26) Benzo(a)pyrene (C)

23.139min (+ 0.085) 0.73 ng/u1

response 18807

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	40.10	36.29
125.00	26.50	23.16
0.00	0.00	0.00

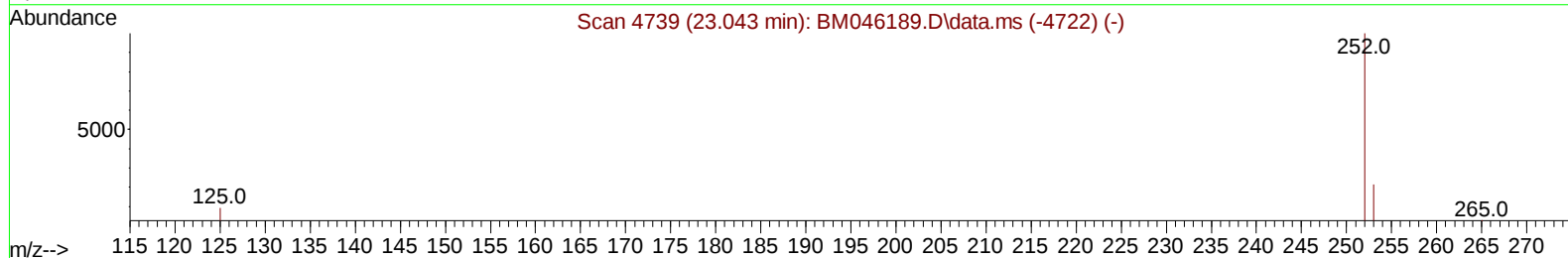
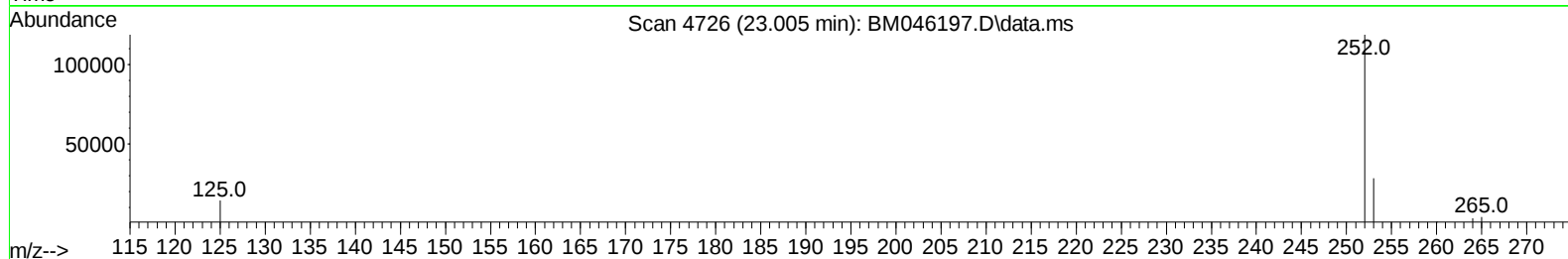
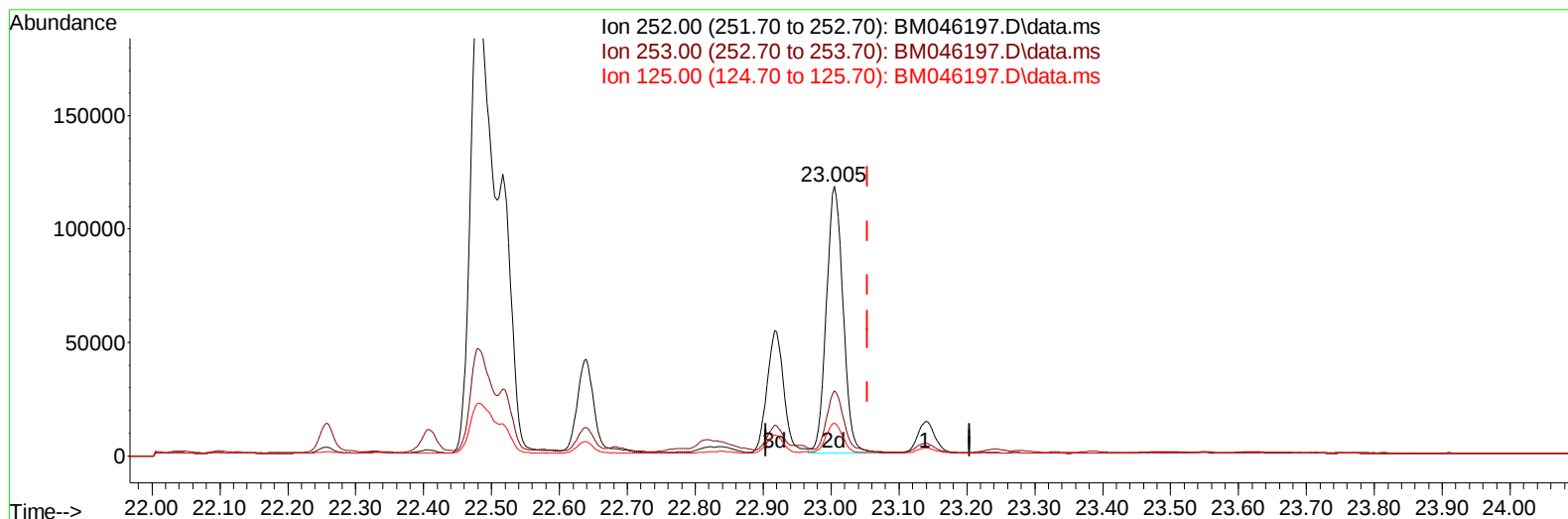
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
 Data File : BM046197.D
 Acq On : 22 Jun 2024 14:38
 Operator : MA/JU
 Sample : P2775-22
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4D59

Manual IntegrationsAPPROVED

Quant Time: Jun 22 15:22:58 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 : Sat Jun 22 02:10:56 2024
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Reviewed By :Yogesh Patel 06/24/2024
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TIC: BM046197.D\data.ms

(26) Benzo(a)pyrene (C)

23.005min (-0.050) 7.90 ng/u1 m

response 202327

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	40.10	24.09#
125.00	26.50	12.19#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
 Data File : BM046197.D
 Acq On : 22 Jun 2024 14:38
 Operator : MA/JU
 Sample : P2775-22
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4D59

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/24/2024
 Supervised By :Jagrut Upadhyay 06/24/2024

Quant Time: Jun 22 15:22:58 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.413	152	2198	0.400	ng/ul	-0.05
4) Naphthalene-d8	10.182	136	6686	0.400	ng/ul	-0.07
9) Acenaphthene-d10	14.061	164	3816	0.400	ng/ul	-0.05
13) Phenanthrene-d10	16.802	188	8641m	0.400	ng/ul	-0.06
17) Chrysene-d12	21.003	240	6231m	0.400	ng/ul	-0.04
23) Perylene-d12	23.098	264	7675	0.400	ng/ul	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.025	96	12465	4.133	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	11.804	152	2792	0.311	ng/ul	-0.06
18) Fluoranthene-d10	18.838	212	6433	0.345	ng/ul	-0.05
Target Compounds						Qvalue
5) Naphthalene	10.231	128	12764	0.685	ng/ul	95
7) 2-Methylnaphthalene	11.876	142	4462	0.425	ng/ul	96
8) 1-Methylnaphthalene	12.090	142	3600	0.313	ng/ul	99
10) Acenaphthylene	13.775	152	62085	3.430	ng/ul	96
11) Acenaphthene	14.121	153	13326m	1.020	ng/ul	
12) Fluorene	15.116	166	19005	1.355	ng/ul	99
15) Phenanthrene	16.840	178	303469m	12.500	ng/ul	
16) Anthracene	16.933	178	84265m	4.661	ng/ul	
19) Fluoranthene	18.866	202	644268	23.880	ng/ul	96
20) Pyrene	19.229	202	481278	16.495	ng/ul	97
21) Benzo(a)anthracene	20.986	228	335679	13.947	ng/ul	100
22) Chrysene	21.038	228	300404	9.780	ng/ul	99
24) Benzo(b)fluoranthene	22.481	252	438065m	15.842	ng/ul	
25) Benzo(k)fluoranthene	22.517	252	163569m	4.976	ng/ul	
26) Benzo(a)pyrene	23.005	252	202327m	7.896	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.139	276	166812	3.978	ng/ul#	91
28) Dibenzo(a,h)anthracene	25.142	278	50579	1.620	ng/ul	95
29) Benzo(g,h,i)perylene	25.759	276	25158	0.700	ng/ul	95

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046197.D
Acq On : 22 Jun 2024 14:38
Operator : MA/JU
Sample : P2775-22
Misc :
ALS Vial : 10 Sample Multiplier: 3

Instrument :
BNA_M
ClientSampleId :
A4D59

Manual IntegrationsAPPROVED

Quant Time: Jun 22 15:22:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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