

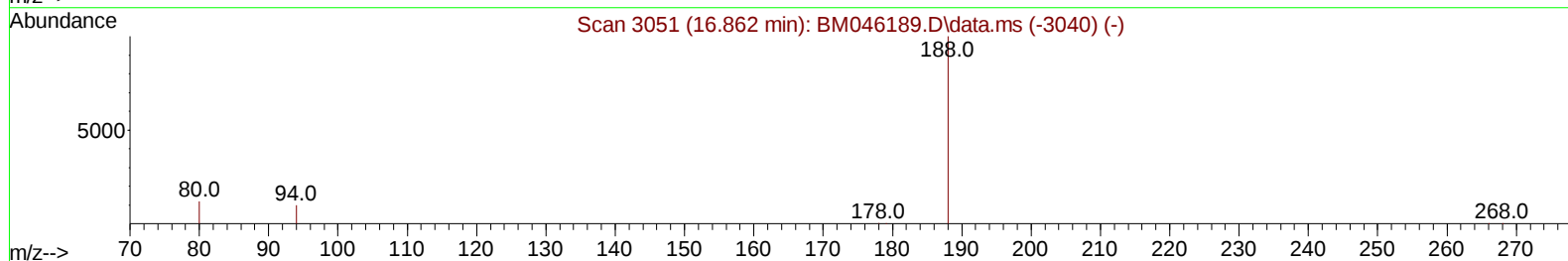
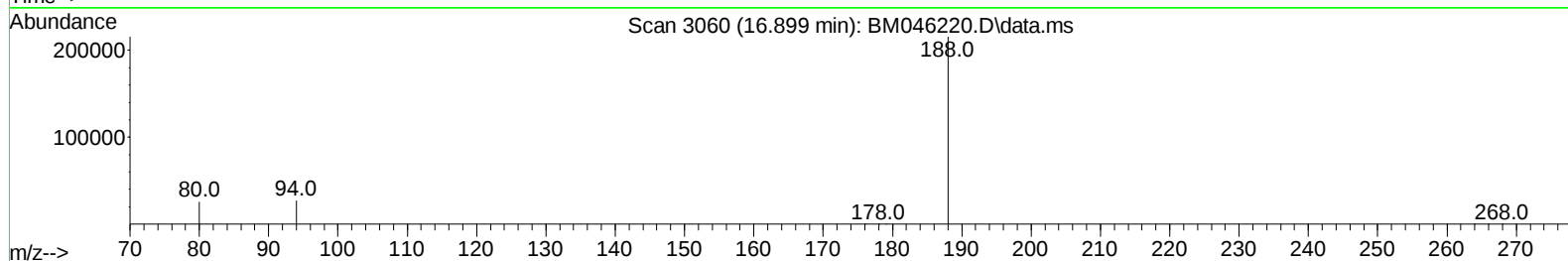
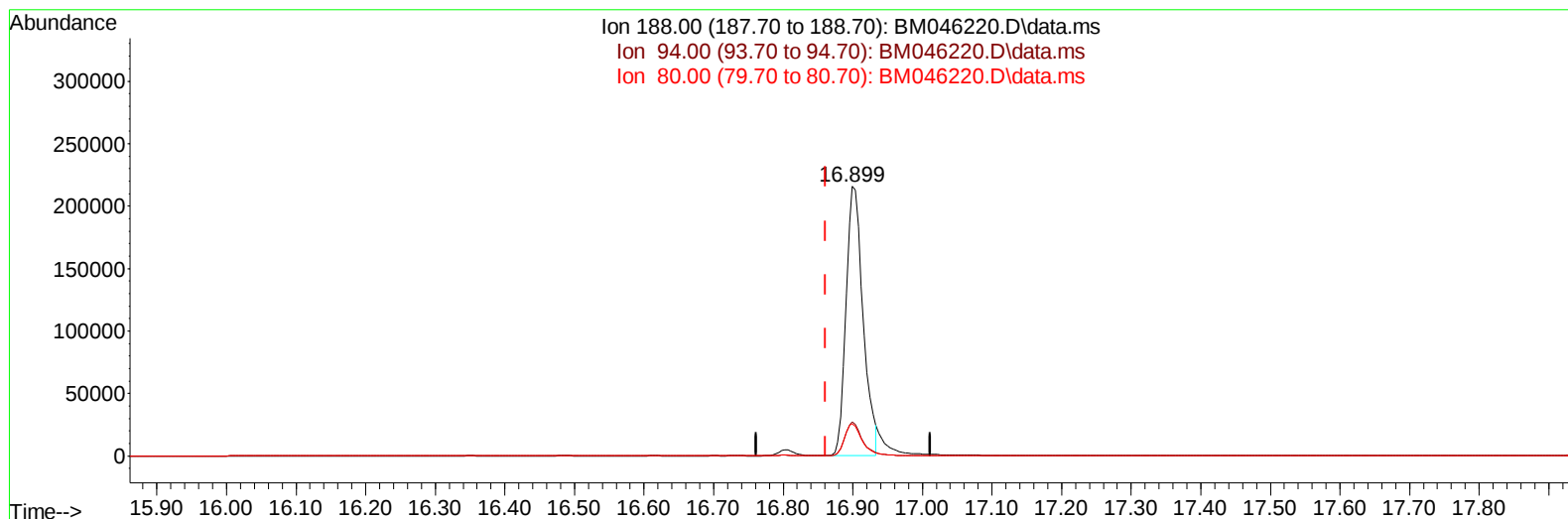
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046220.D
Acq On : 23 Jun 2024 05:20
Operator : MA/JU
Sample : P2776-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B95

Manual IntegrationsAPPROVED

Quant Time: Jun 23 05:53:59 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 : Sun Jun 23 01:31:42 2024
Response via : Initial Calibration

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



TIC: BM046220.D\data.ms

(13) Phenanthrene-d10 (I)

16.899min (+ 0.038) 0.40 ng/u1

response 366444

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.69
80.00	15.20	11.98#
0.00	0.00	0.00

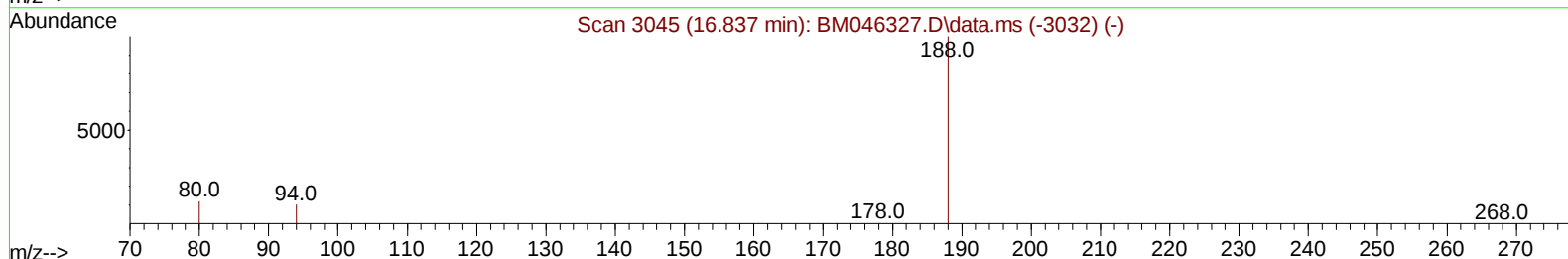
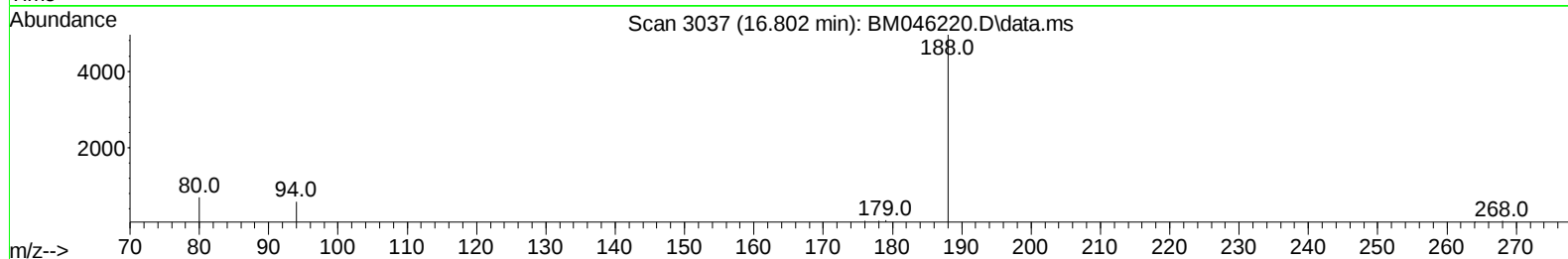
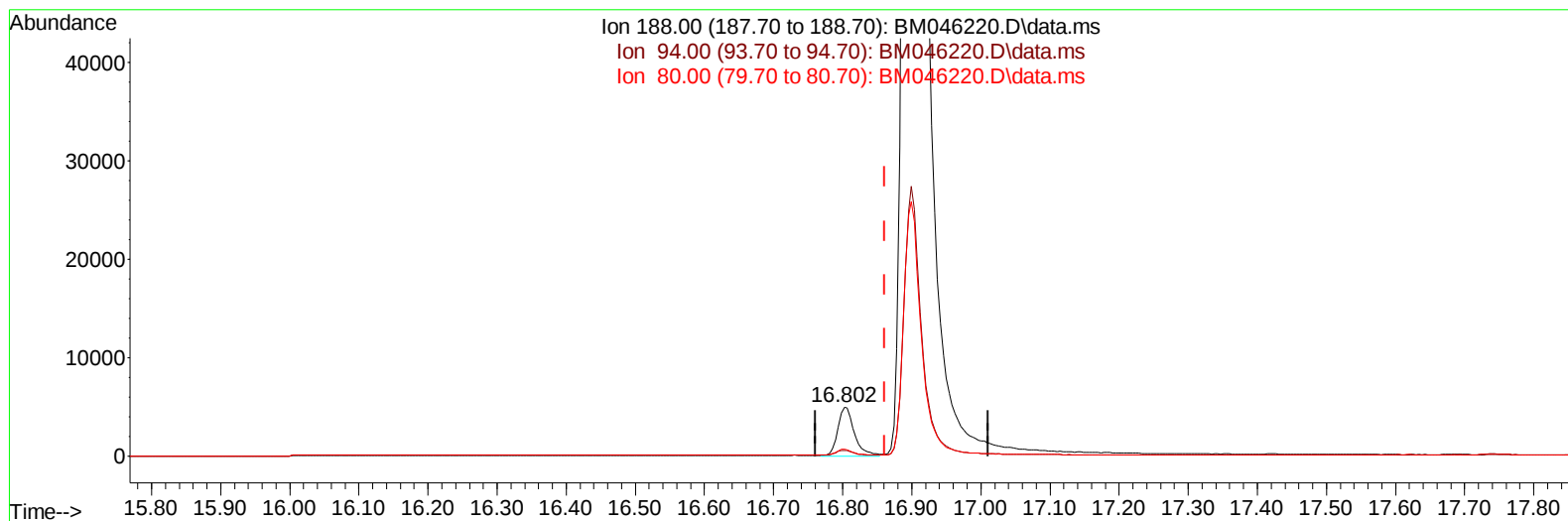
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046220.D
Acq On : 23 Jun 2024 05:20
Operator : MA/JU
Sample : P2776-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B95

Manual IntegrationsAPPROVED

Quant Time: Jun 23 05:53:59 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 : Sun Jun 23 01:31:42 2024
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Reviewed By :Yogesh Patel 06/24/2024
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TIC: BM046220.D\data.ms

(13) Phenanthrene-d10 (I)

16.802min (-0.059) 0.40 ng/u1 m

response 8200

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	11.78
80.00	15.20	14.10
0.00	0.00	0.00

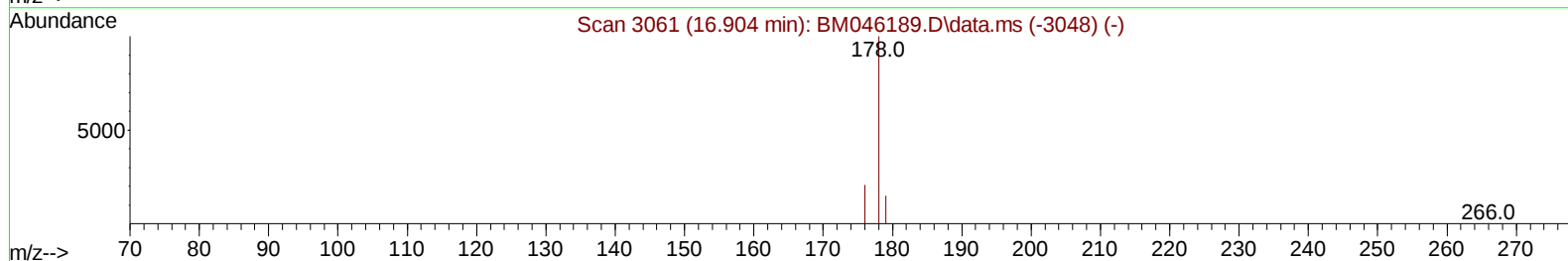
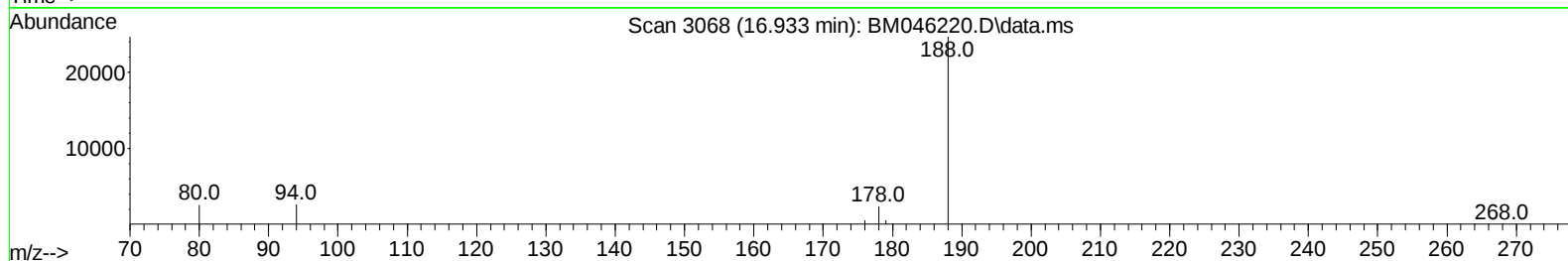
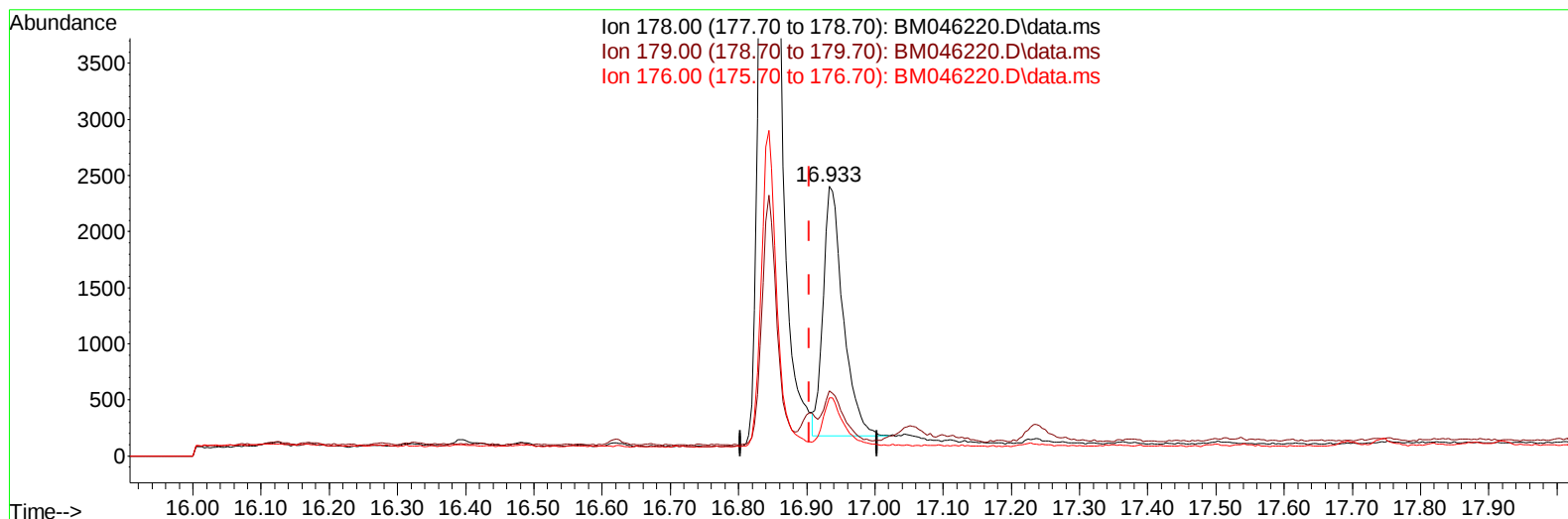
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046220.D
Acq On : 23 Jun 2024 05:20
Operator : MA/JU
Sample : P2776-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B95

Manual IntegrationsAPPROVED

Quant Time: Jun 23 05:53:59 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 : Sun Jun 23 01:31:42 2024
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Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046220.D\data.ms

(15) Phenanthrene

16.933min (+ 0.030) 0.20 ng/u1

response 4520

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	24.11#
176.00	21.40	21.62
0.00	0.00	0.00

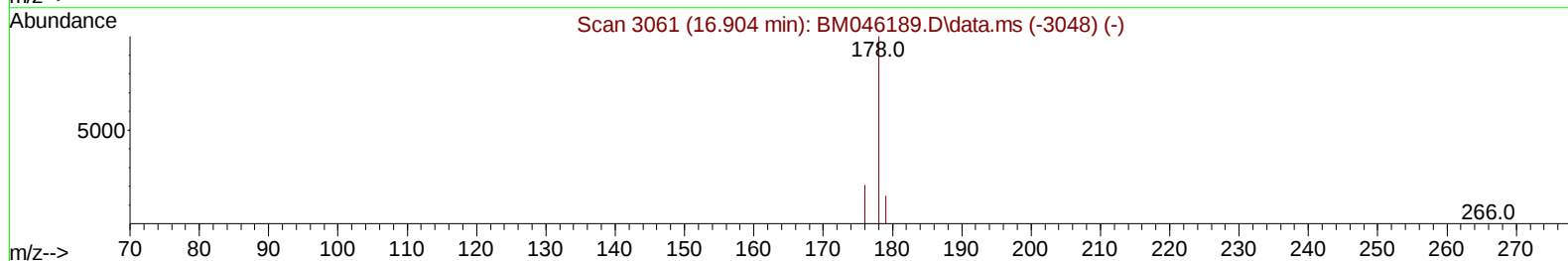
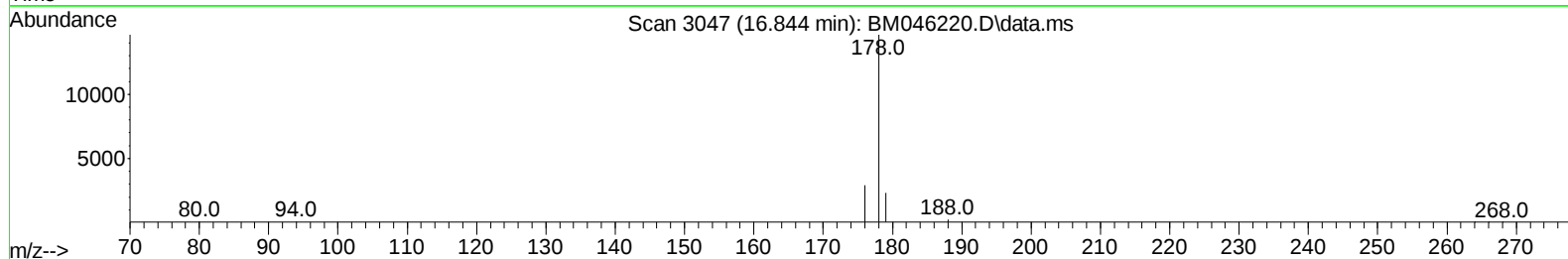
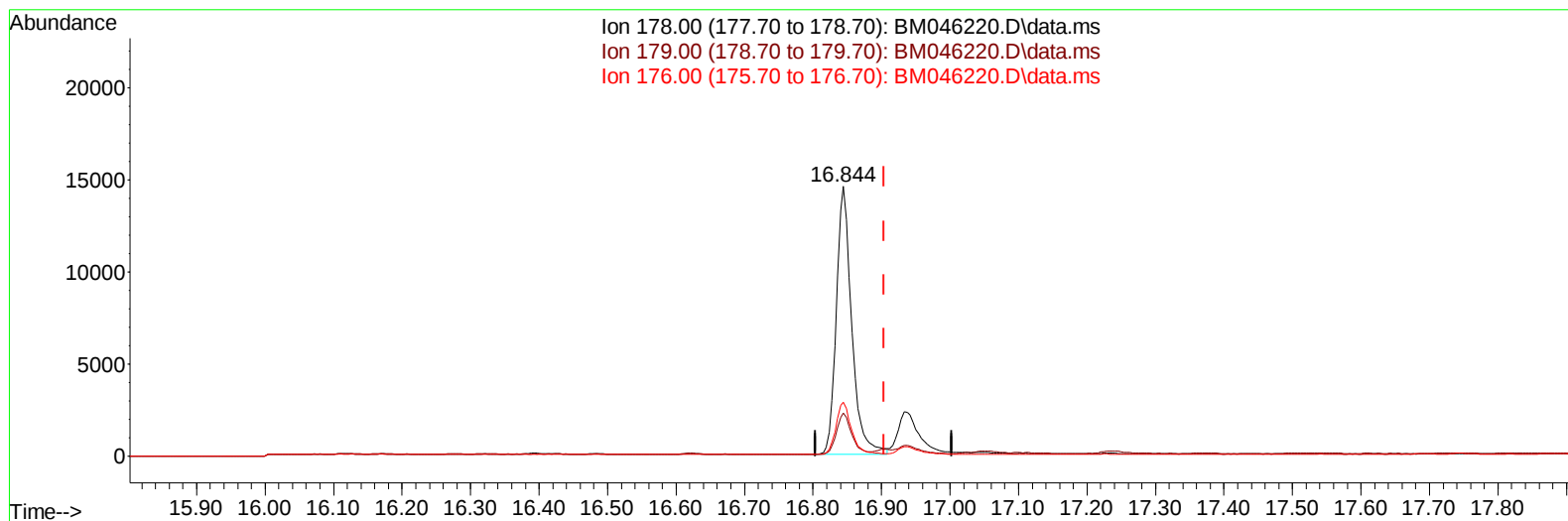
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046220.D
Acq On : 23 Jun 2024 05:20
Operator : MA/JU
Sample : P2776-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B95

Manual IntegrationsAPPROVED

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

Quant Time: Jun 23 05:53:59 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 : Sun Jun 23 01:31:42 2024
Response via : Initial Calibration



TIC: BM046220.D\data.ms

(15) Phenanthrene

16.844min (-0.059) 0.99 ng/u1 m

response 22885

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.89
176.00	21.40	19.84
0.00	0.00	0.00

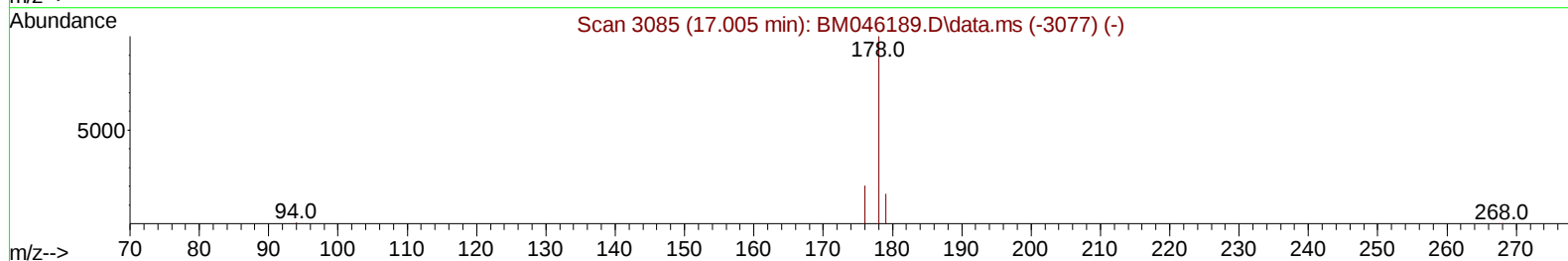
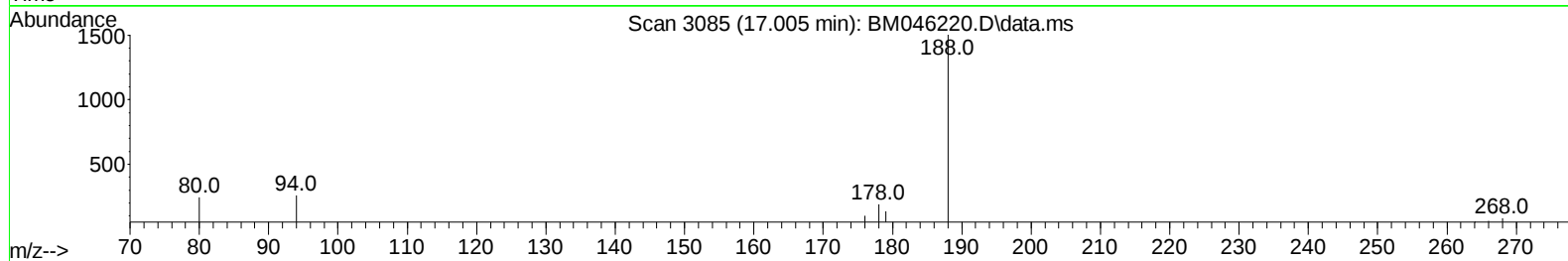
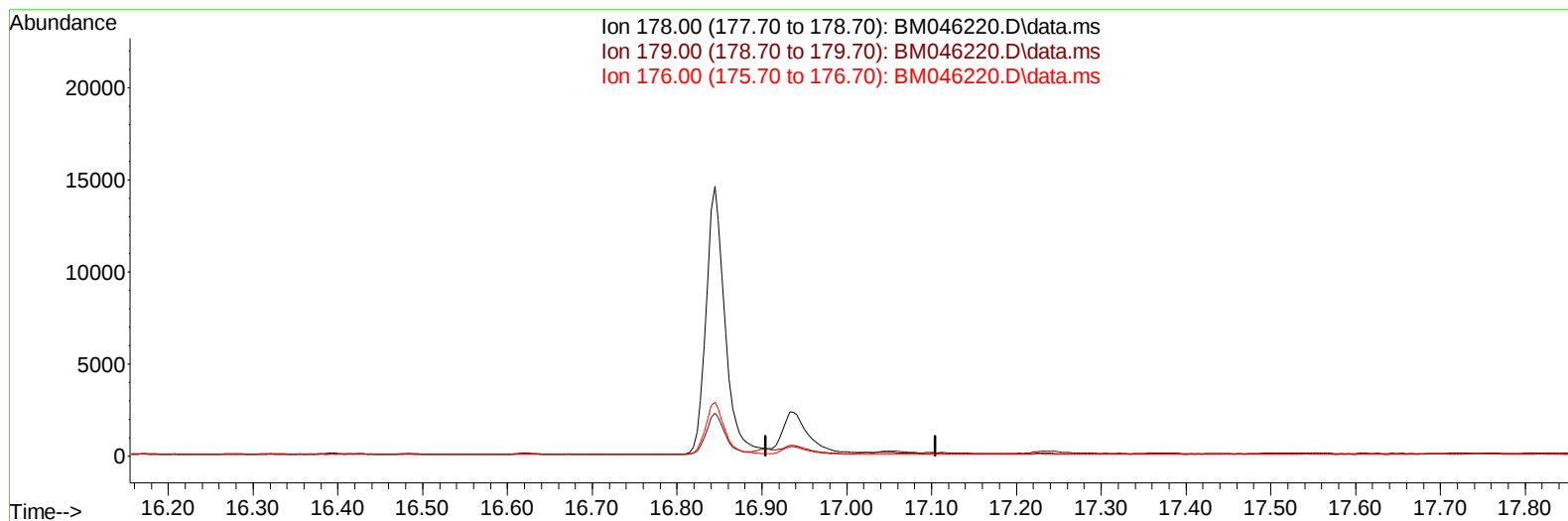
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046220.D
Acq On : 23 Jun 2024 05:20
Operator : MA/JU
Sample : P2776-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B95

Manual IntegrationsAPPROVED

Quant Time: Jun 23 05:53:59 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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Reviewed By :Yogesh Patel 06/24/2024
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TIC: BM046220.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

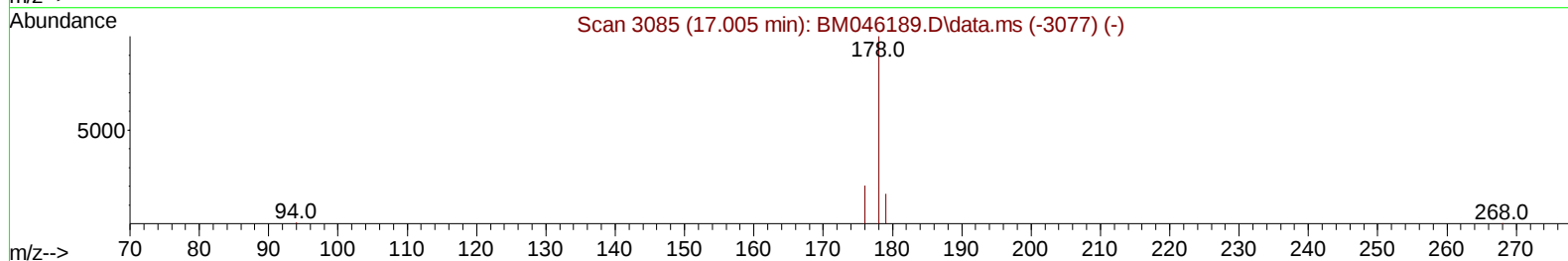
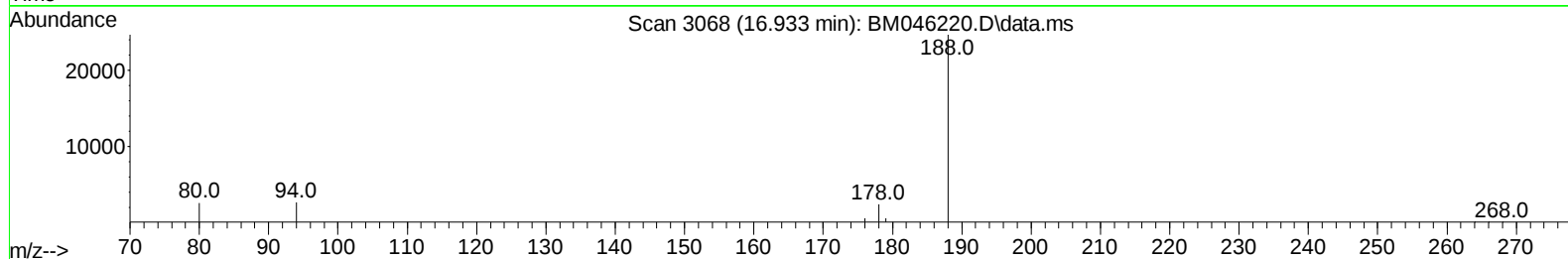
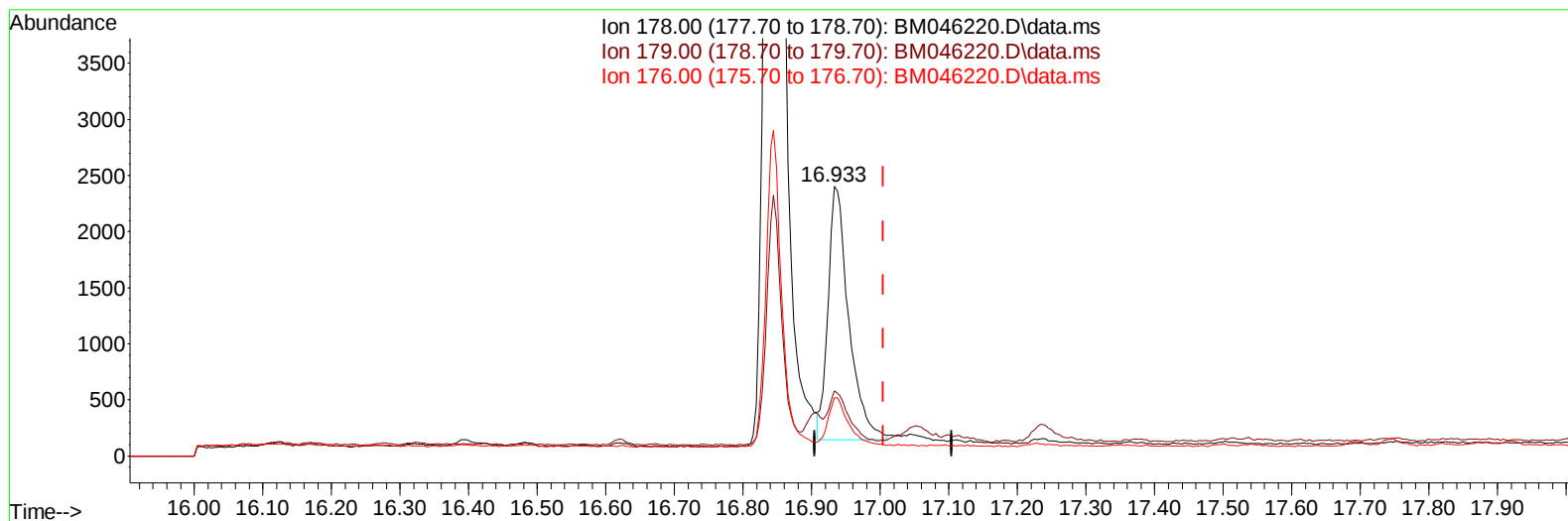
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046220.D
Acq On : 23 Jun 2024 05:20
Operator : MA/JU
Sample : P2776-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B95

Manual IntegrationsAPPROVED

Quant Time: Jun 23 05:53:59 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 : Sun Jun 23 01:31:42 2024
Response via : Initial Calibration

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



TIC: BM046220.D\data.ms

(16) Anthracene

16.933min (-0.072) 0.27 ng/ul m

response 4704

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	24.11#
176.00	21.20	21.62
0.00	0.00	0.00

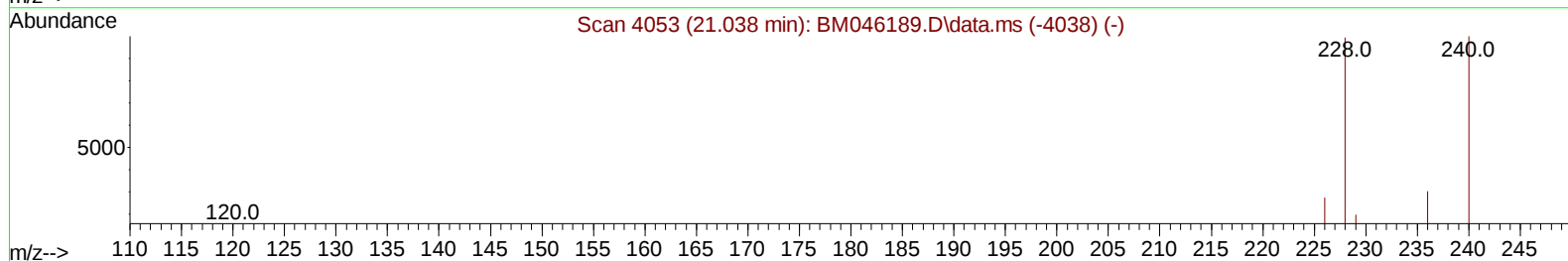
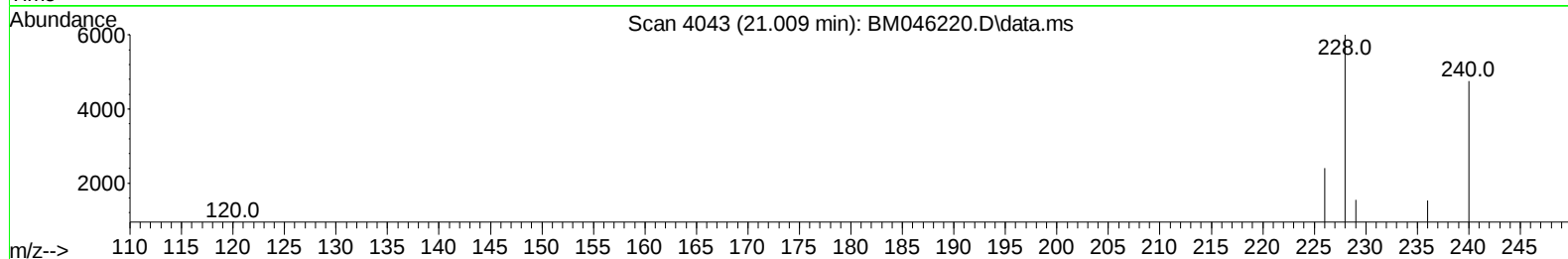
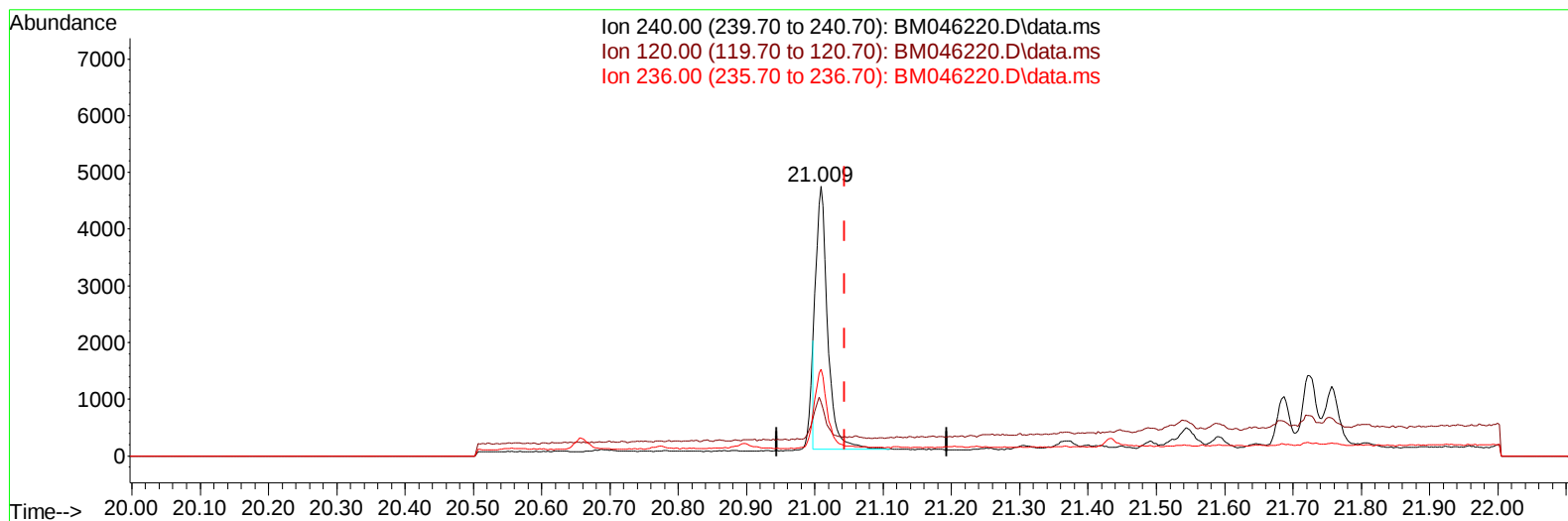
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046220.D
Acq On : 23 Jun 2024 05:20
Operator : MA/JU
Sample : P2776-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B95

Manual IntegrationsAPPROVED

Quant Time: Jun 23 05:53:59 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 : Sun Jun 23 01:31:42 2024
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Reviewed By :Yogesh Patel 06/24/2024
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TIC: BM046220.D\data.ms

(17) Chrysene-d12

21.009min (-0.035) 0.40 ng/u1

response 5559

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	19.91
236.00	33.60	32.18
0.00	0.00	0.00

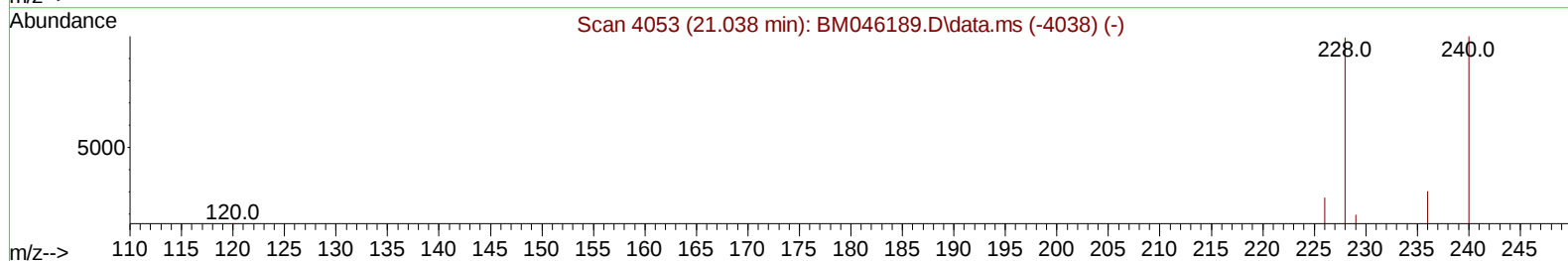
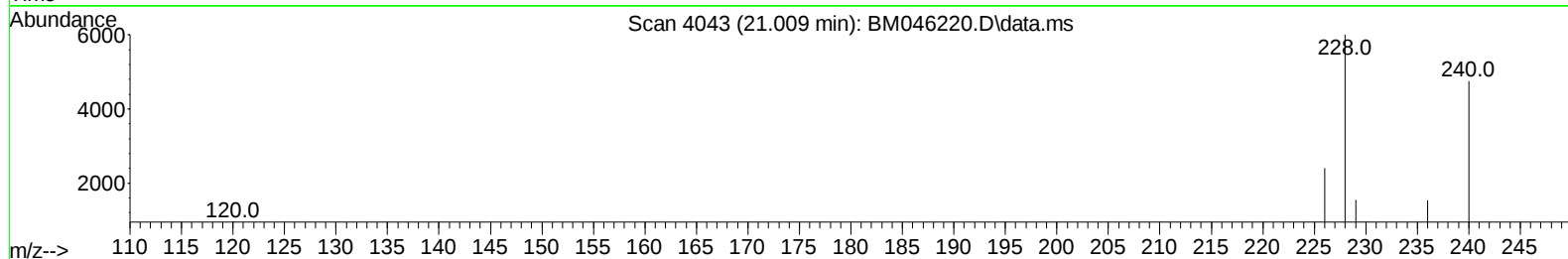
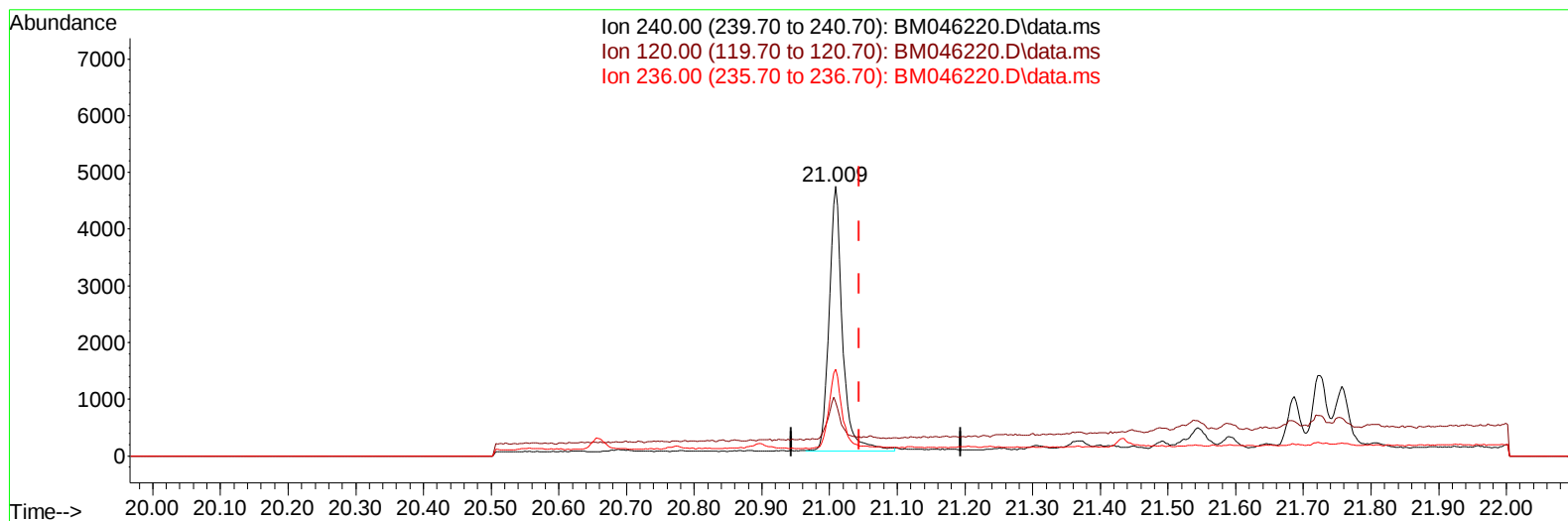
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046220.D
Acq On : 23 Jun 2024 05:20
Operator : MA/JU
Sample : P2776-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B95

Manual IntegrationsAPPROVED

Quant Time: Jun 23 05:53:59 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 : Sun Jun 23 01:31:42 2024
Response via : Initial Calibration

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



TIC: BM046220.D\data.ms

(17) Chrysene-d12

21.009min (-0.035) 0.40 ng/ul m

response 6466

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	19.91
236.00	33.60	32.18
0.00	0.00	0.00

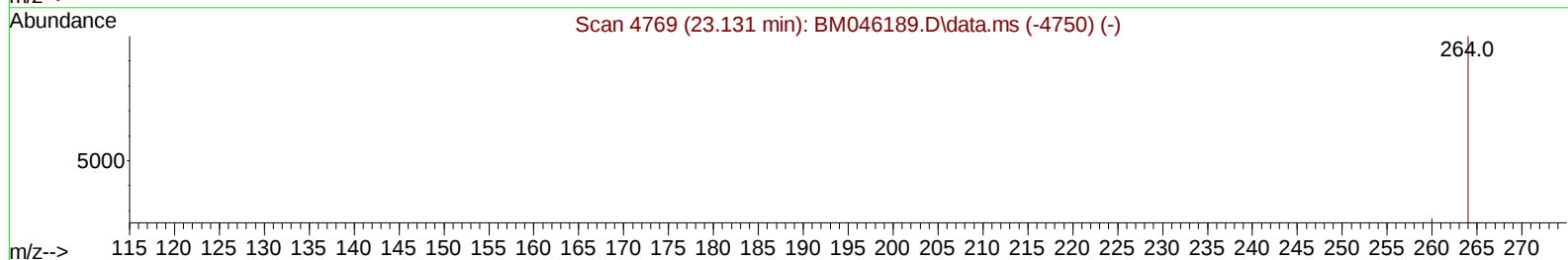
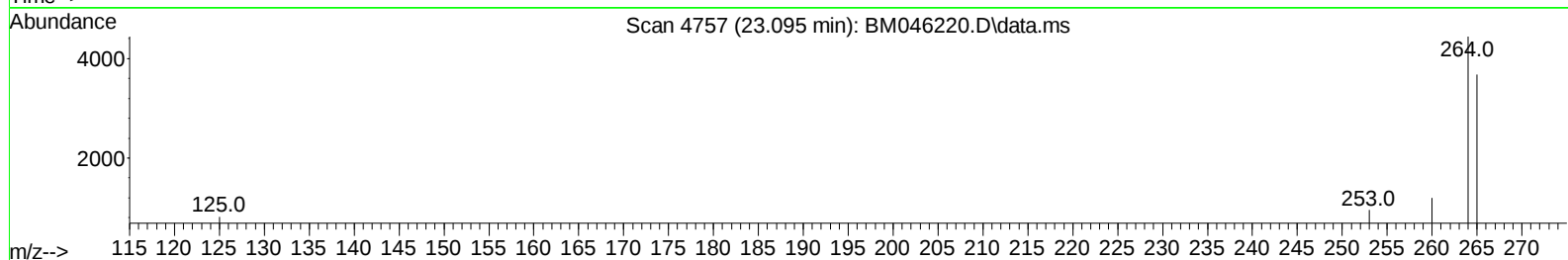
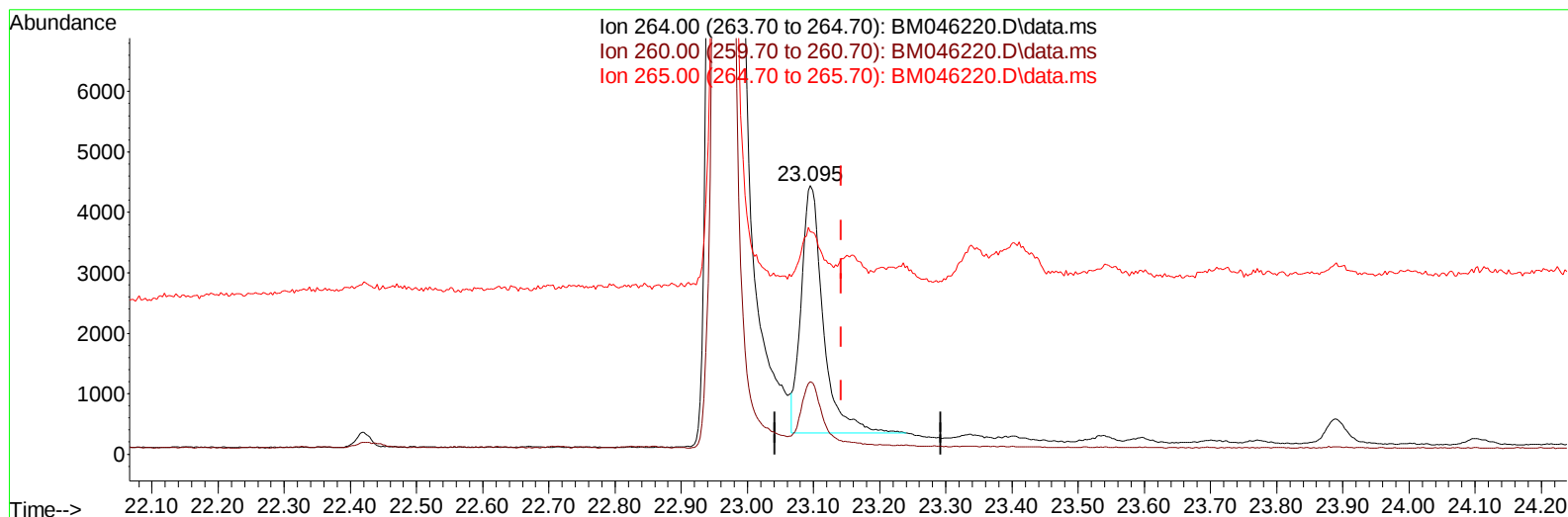
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046220.D
Acq On : 23 Jun 2024 05:20
Operator : MA/JU
Sample : P2776-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B95

Manual IntegrationsAPPROVED

Quant Time: Jun 23 05:53:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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TIC: BM046220.D\data.ms

(23) Perylene-d12 (I)

23.095min (-0.047) 0.40 ng/u1

response 9393

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	26.96
265.00	110.60	82.97#
0.00	0.00	0.00

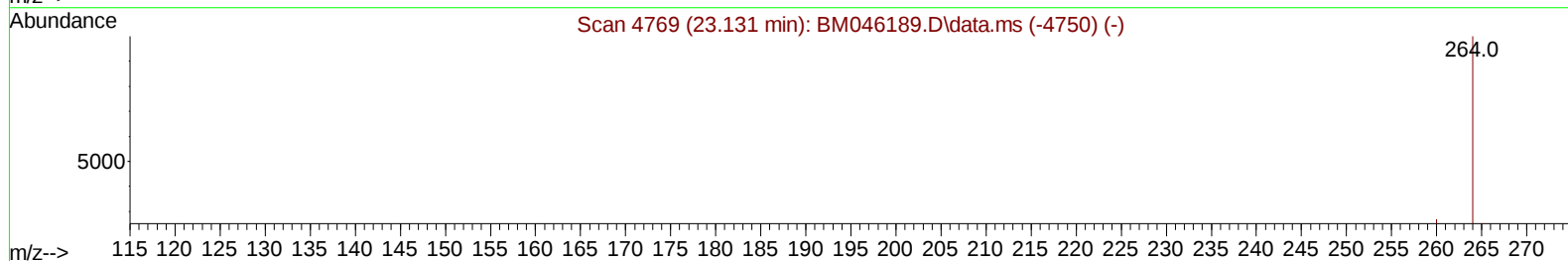
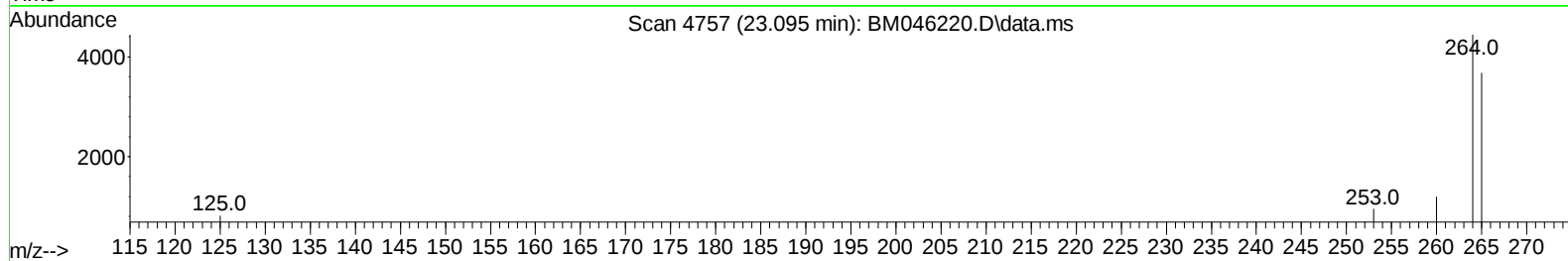
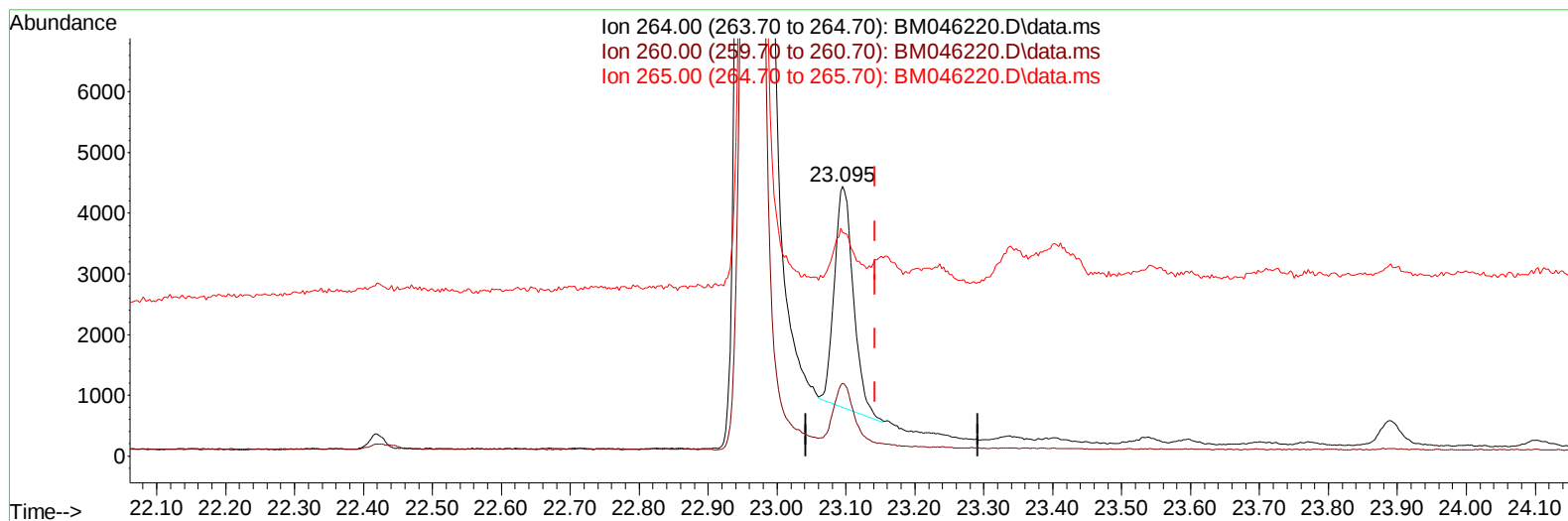
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046220.D
Acq On : 23 Jun 2024 05:20
Operator : MA/JU
Sample : P2776-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B95

Manual IntegrationsAPPROVED

Quant Time: Jun 23 05:53:59 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 : Sun Jun 23 01:31:42 2024
Response via : Initial Calibration

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



TIC: BM046220.D\data.ms

(23) Perylene-d12 (I)

23.095min (-0.047) 0.40 ng/ul m

response 6957

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	26.96
265.00	110.60	82.97#
0.00	0.00	0.00

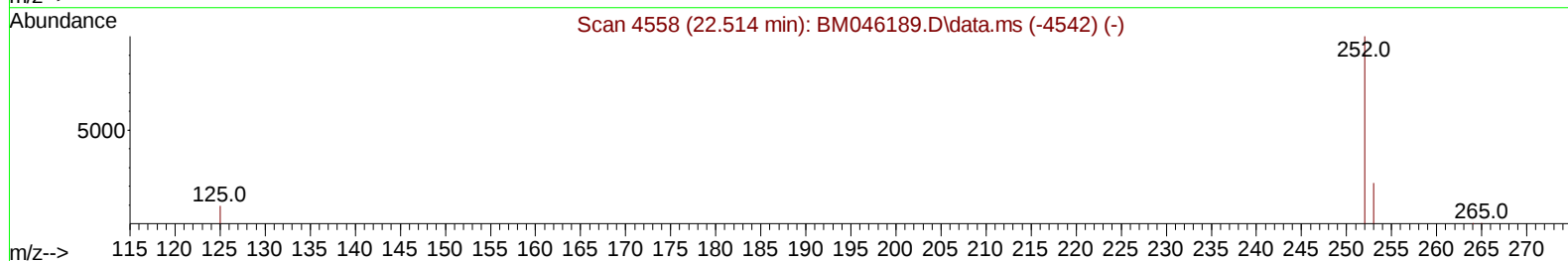
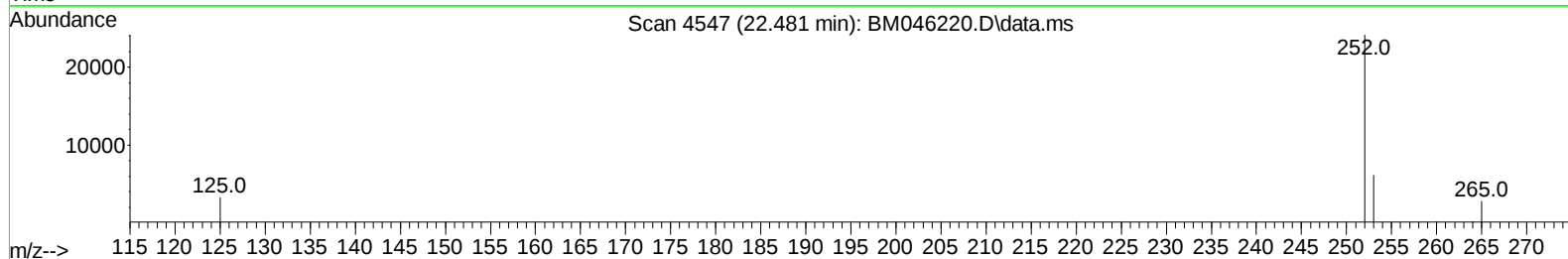
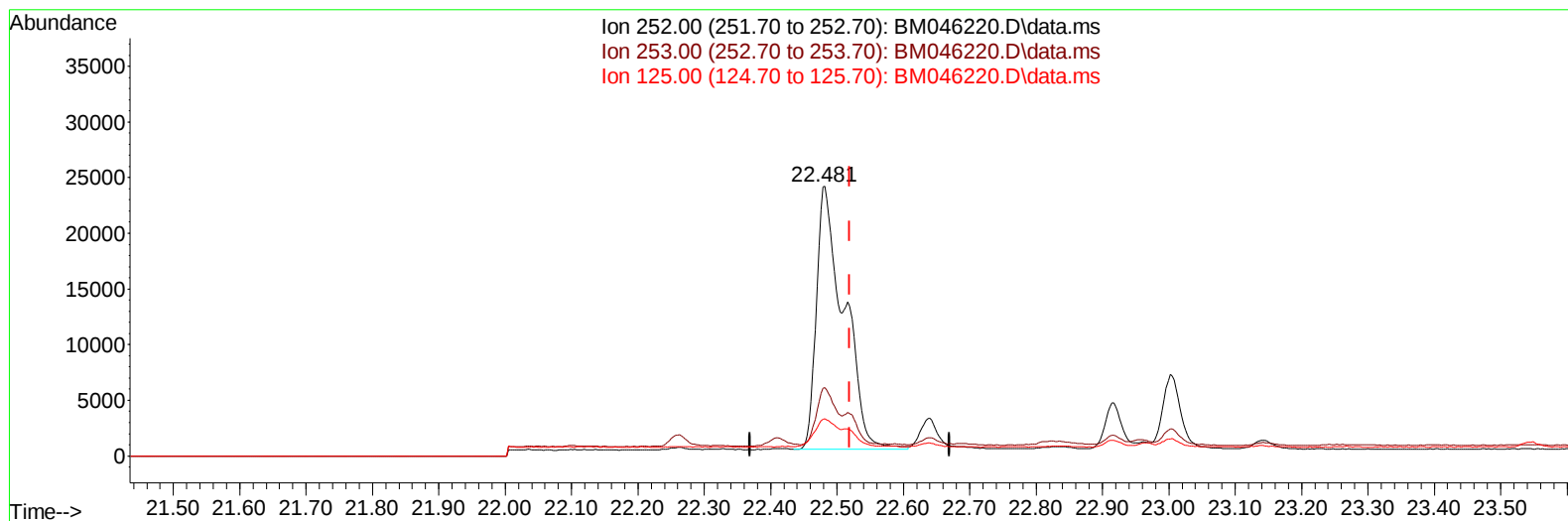
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046220.D
Acq On : 23 Jun 2024 05:20
Operator : MA/JU
Sample : P2776-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B95

Manual IntegrationsAPPROVED

Quant Time: Jun 23 05:53:59 2024
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QLast Update : Sun Jun 23 01:31:42 2024
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Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046220.D\data.ms

(24) Benzo(b)fluoranthene

22.481min (-0.038) 2.71 ng/u1

response 67989

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	25.33
125.00	20.10	13.81
0.00	0.00	0.00

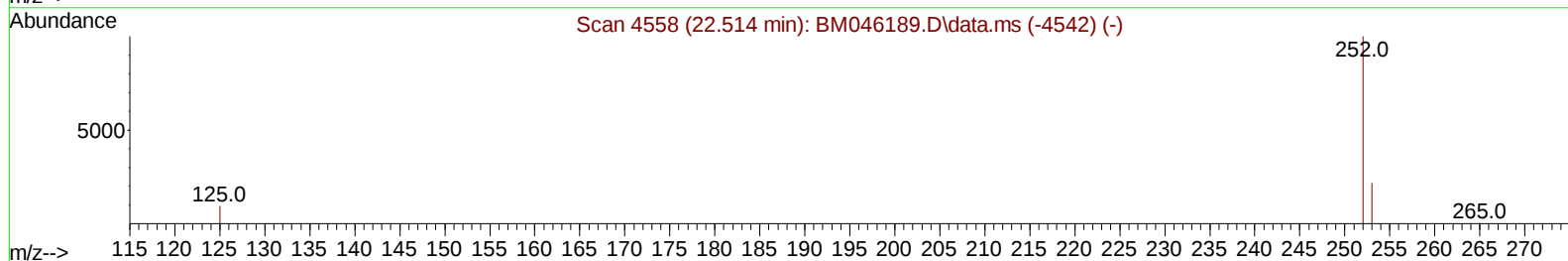
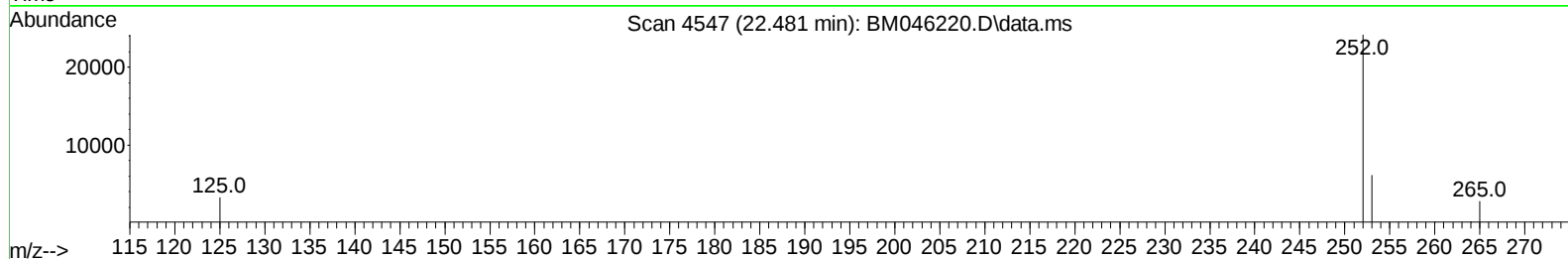
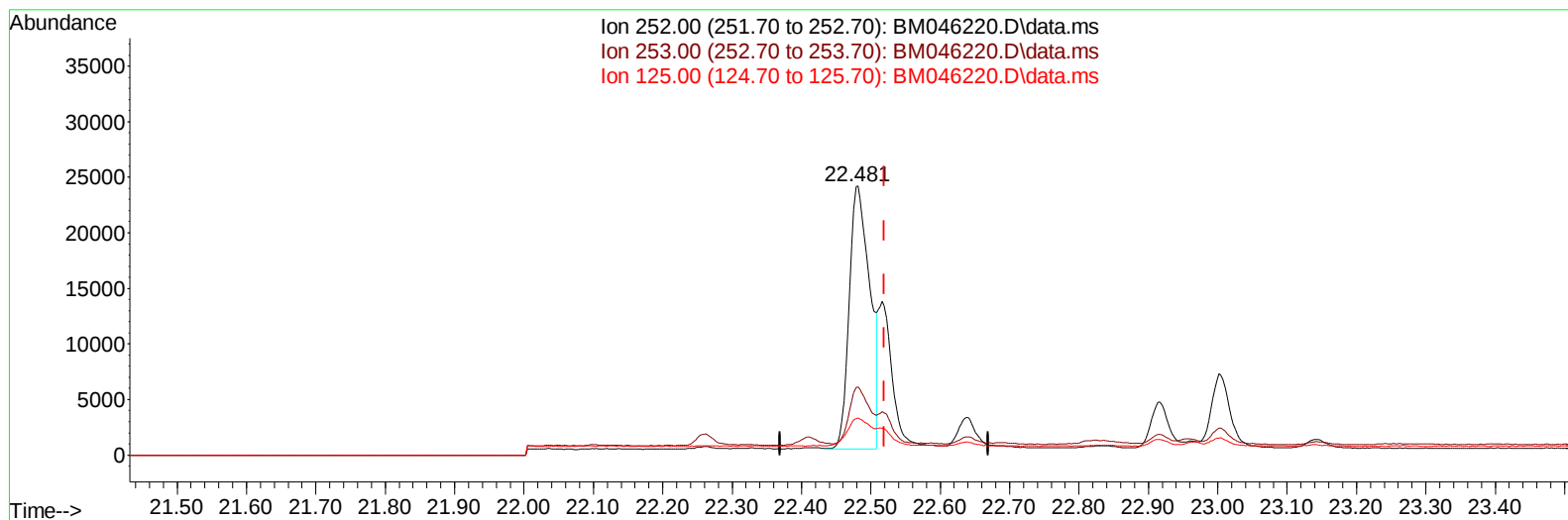
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046220.D
Acq On : 23 Jun 2024 05:20
Operator : MA/JU
Sample : P2776-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B95

Manual IntegrationsAPPROVED

Quant Time: Jun 23 05:53:59 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

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



TIC: BM046220.D\data.ms

(24) Benzo(b)fluoranthene

22.481min (-0.038) 1.95 ng/u1 m

response 48889

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	25.33
125.00	20.10	13.81
0.00	0.00	0.00

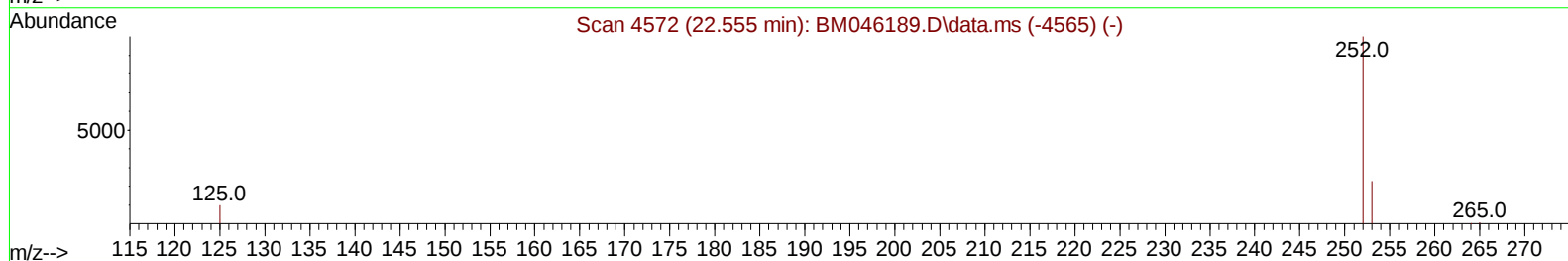
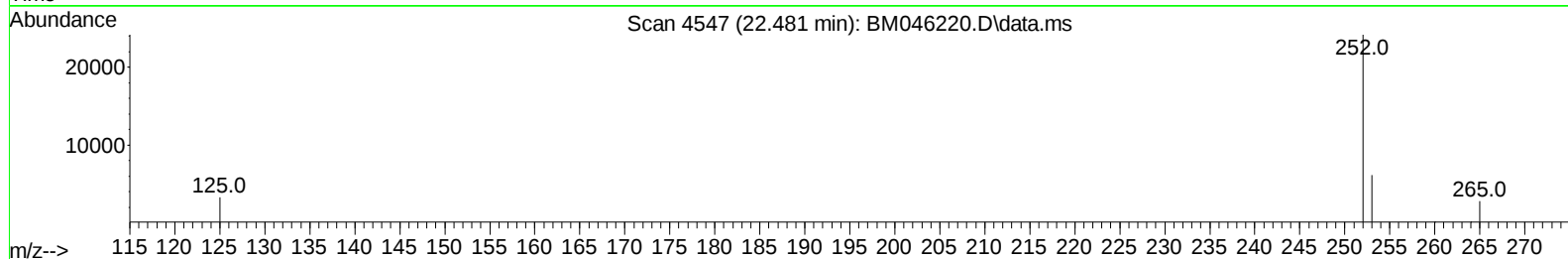
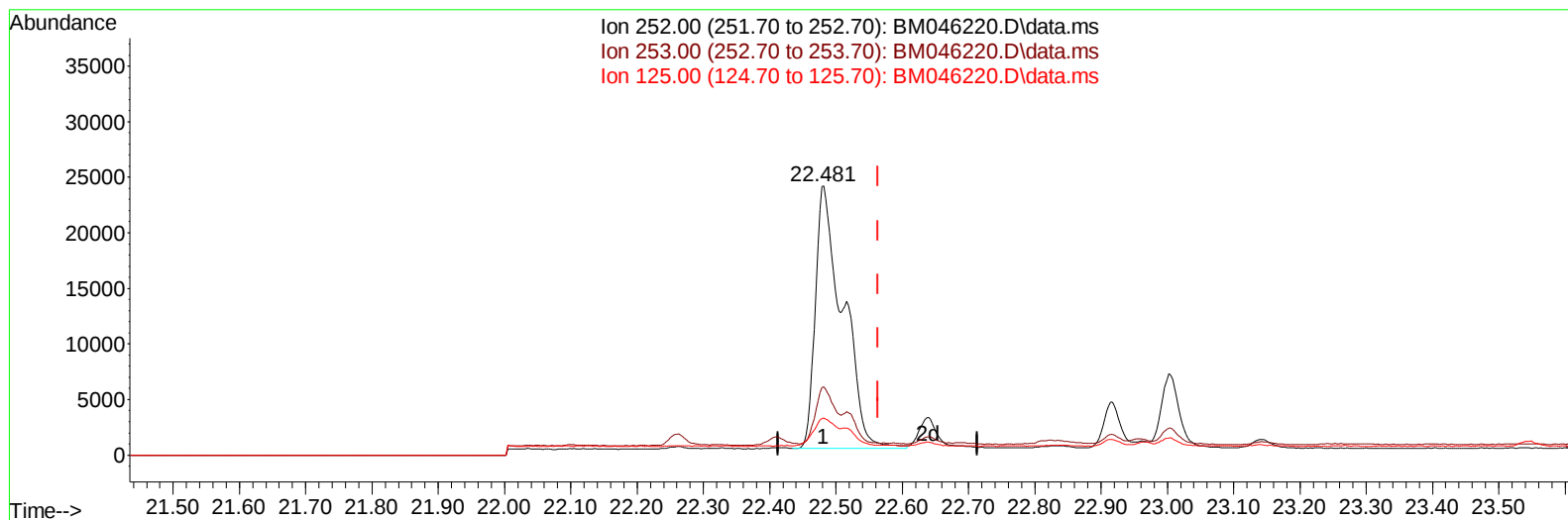
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046220.D
Acq On : 23 Jun 2024 05:20
Operator : MA/JU
Sample : P2776-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B95

Manual IntegrationsAPPROVED

Quant Time: Jun 23 05:53:59 2024
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Response via : Initial Calibration

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



TIC: BM046220.D\data.ms

(25) Benzo(k)fluoranthene

22.481min (-0.082) 2.28 ng/u1

response 67989

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	25.33#
125.00	20.80	13.81#
0.00	0.00	0.00

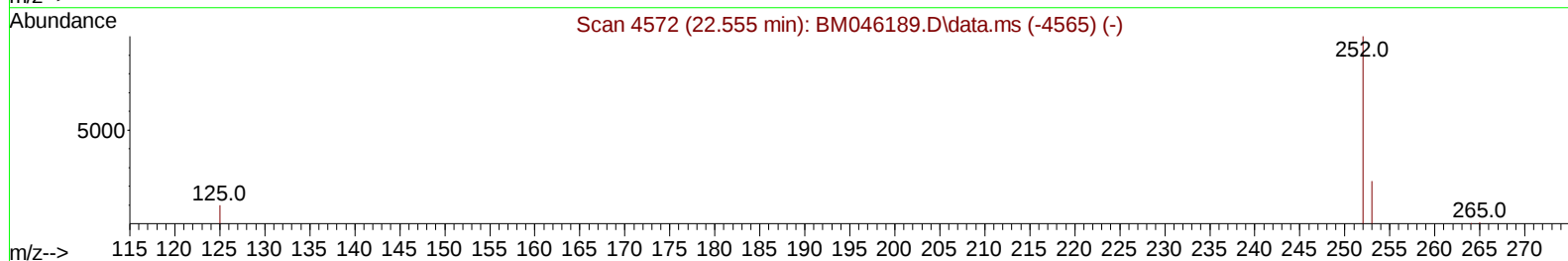
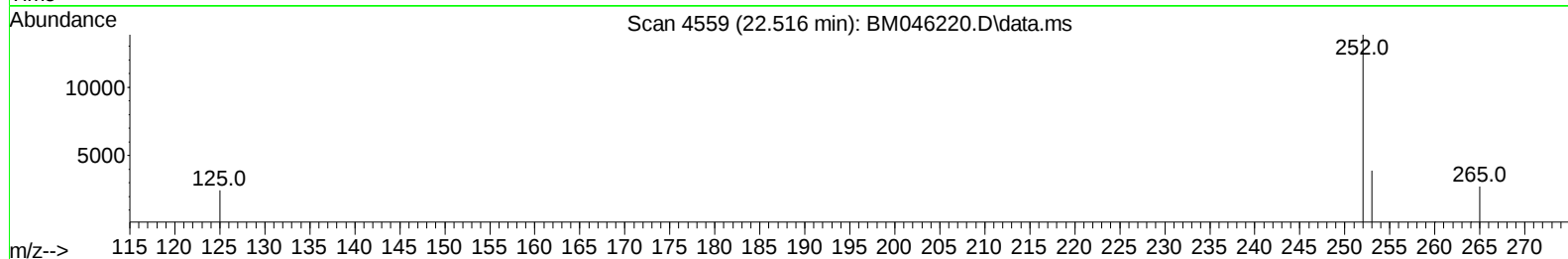
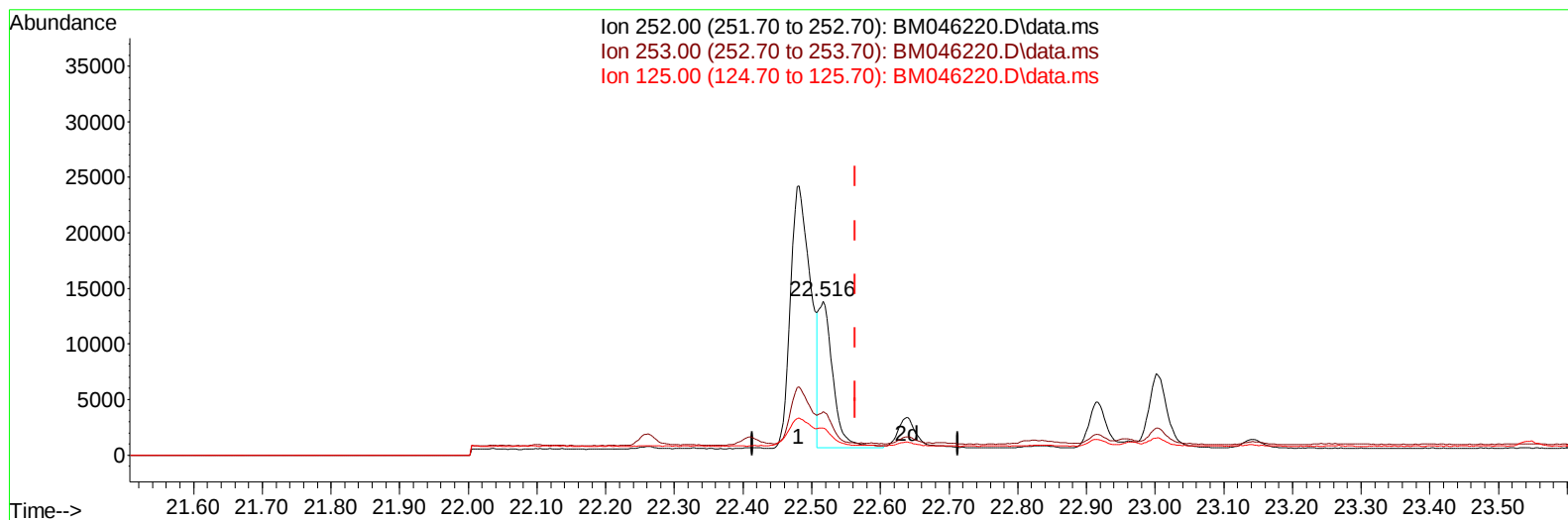
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046220.D
Acq On : 23 Jun 2024 05:20
Operator : MA/JU
Sample : P2776-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B95

Manual IntegrationsAPPROVED

Quant Time: Jun 23 05:53:59 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 : Sun Jun 23 01:31:42 2024
Response via : Initial Calibration

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



TIC: BM046220.D\data.ms

(25) Benzo(k)fluoranthene

22.516min (-0.047) 0.63 ng/u1 m

response 18840

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	28.09
125.00	20.80	17.69
0.00	0.00	0.00

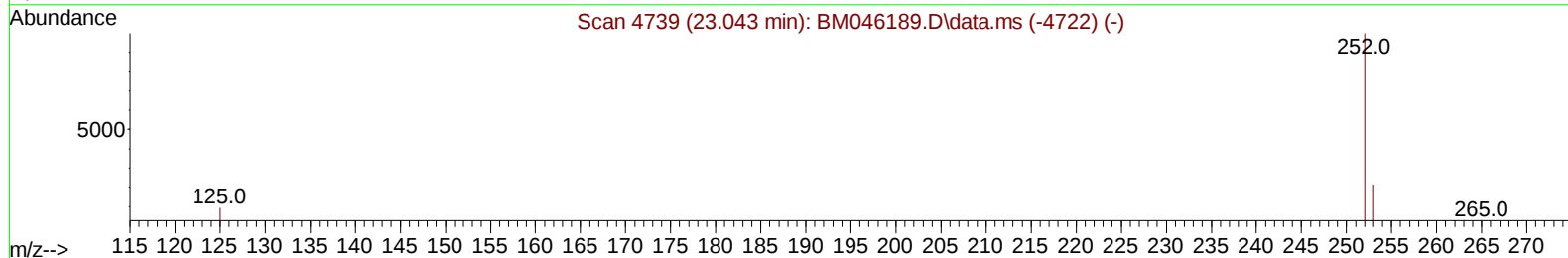
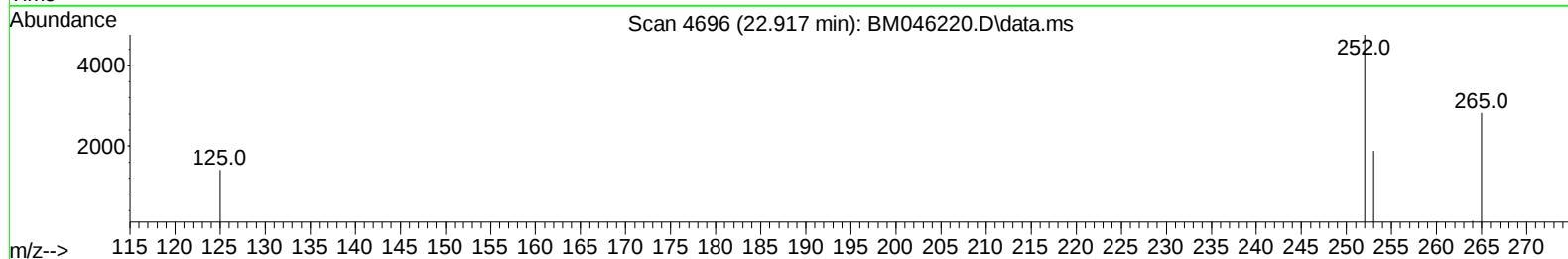
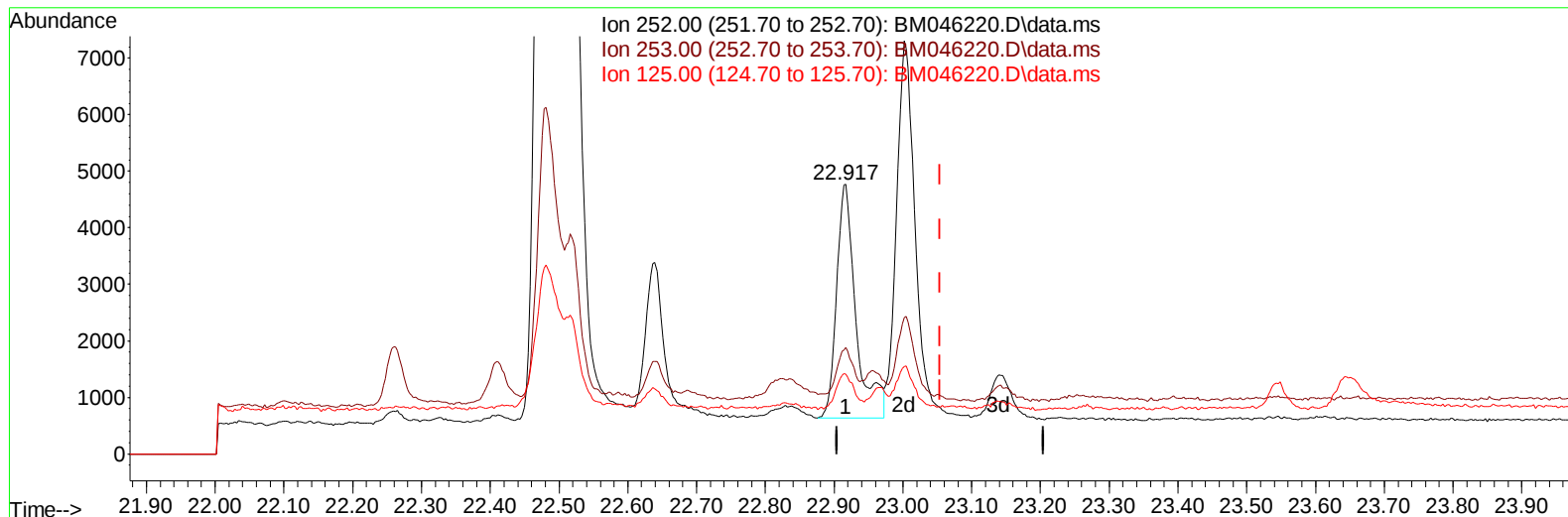
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046220.D
Acq On : 23 Jun 2024 05:20
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Sample : P2776-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
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TIC: BM046220.D\data.ms

(26) Benzo(a)pyrene (C)

22.917min (-0.137) 0.35 ng/u1

response 8115

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	40.10	39.54
125.00	26.50	29.59
0.00	0.00	0.00

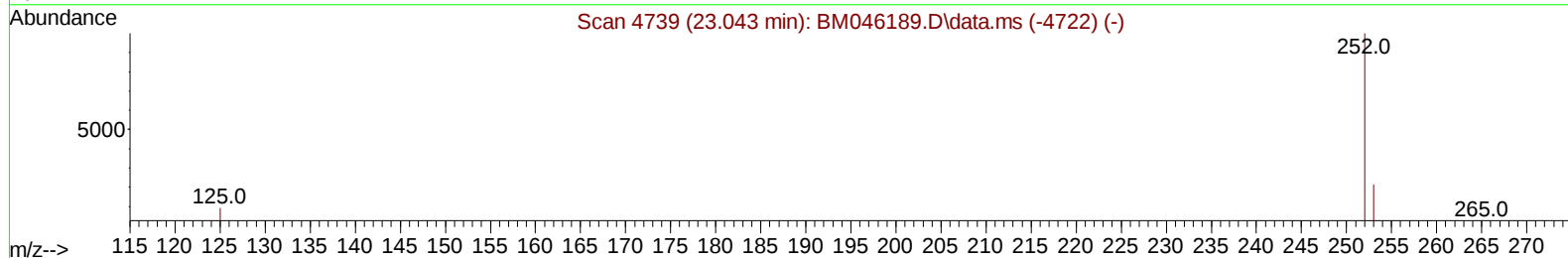
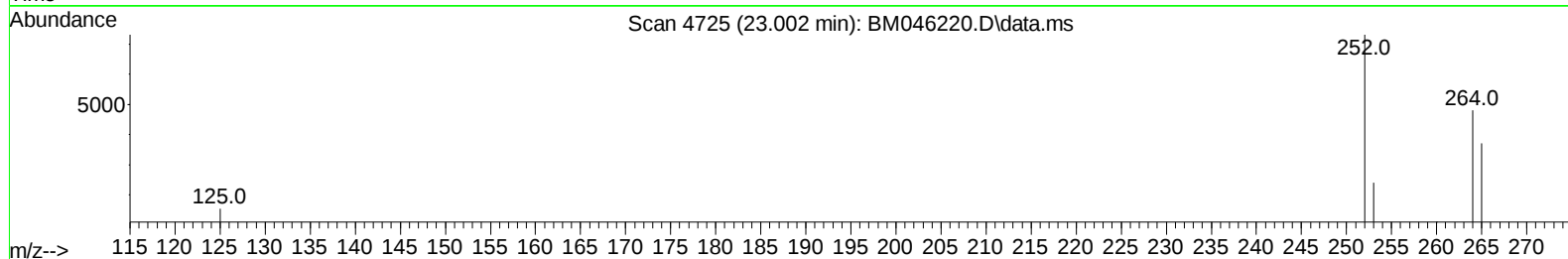
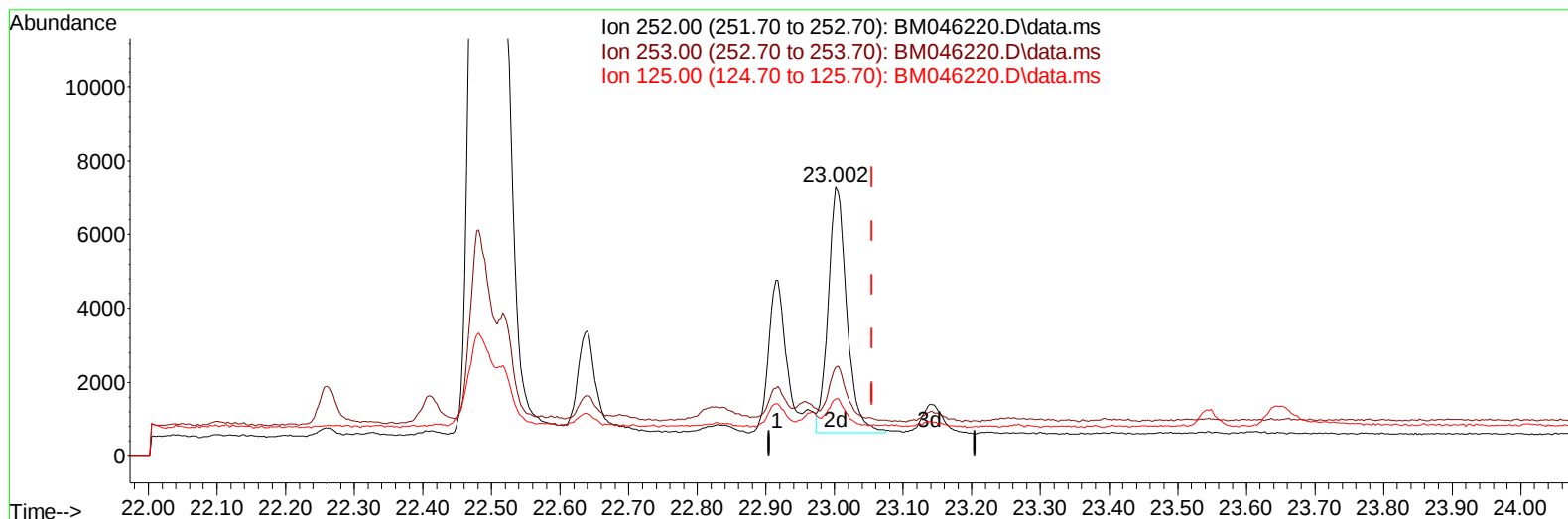
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046220.D
Acq On : 23 Jun 2024 05:20
Operator : MA/JU
Sample : P2776-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B95

Manual IntegrationsAPPROVED

Quant Time: Jun 23 05:53:59 2024
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TIC: BM046220.D\data.ms

(26) Benzo(a)pyrene (C)

23.002min (-0.053) 0.54 ng/u1 m

response 12515

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	40.10	32.94
125.00	26.50	21.14#
0.00	0.00	0.00

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 Acq On : 23 Jun 2024 05:20
 Operator : MA/JU
 Sample : P2776-07
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4B95

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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.409	152		2281	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.187	136		6918	0.400	ng/ul	#-0.07
9) Acenaphthene-d10	14.061	164		3881	0.400	ng/ul	-0.05
13) Phenanthrene-d10	16.802	188		8200m	0.400	ng/ul	-0.06
17) Chrysene-d12	21.009	240		6466m	0.400	ng/ul	-0.04
23) Perylene-d12	23.095	264		6957m	0.400	ng/ul	-0.05
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.025	96		10101	3.228	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	11.821	152		2075	0.223	ng/ul	-0.04
18) Fluoranthene-d10	18.838	212		4762	0.246	ng/ul	-0.05
Target Compounds							Qvalue
5) Naphthalene	10.237	128		960	0.050	ng/ul#	78
7) 2-Methylnaphthalene	11.898	142		261	0.024	ng/ul	90
10) Acenaphthylene	13.774	152		2385	0.130	ng/ul#	92
11) Acenaphthene	14.121	153		788	0.059	ng/ul	94
12) Fluorene	15.116	166		952	0.067	ng/ul#	97
15) Phenanthrene	16.844	178		22885m	0.993	ng/ul	
16) Anthracene	16.933	178		4704m	0.274	ng/ul	
19) Fluoranthene	18.871	202		63625	2.273	ng/ul	95
20) Pyrene	19.229	202		37533	1.240	ng/ul	99
21) Benzo(a)anthracene	20.991	228		27997	1.121	ng/ul	98
22) Chrysene	21.041	228		30239	0.949	ng/ul	99
24) Benzo(b)fluoranthene	22.481	252		48889m	1.951	ng/ul	
25) Benzo(k)fluoranthene	22.516	252		18840m	0.632	ng/ul	
26) Benzo(a)pyrene	23.002	252		12515m	0.539	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.142	276		14253	0.375	ng/ul#	98
28) Dibenzo(a,h)anthracene	25.145	278		5587	0.197	ng/ul#	83
29) Benzo(g,h,i)perylene	25.769	276		2710	0.083	ng/ul#	73

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

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