

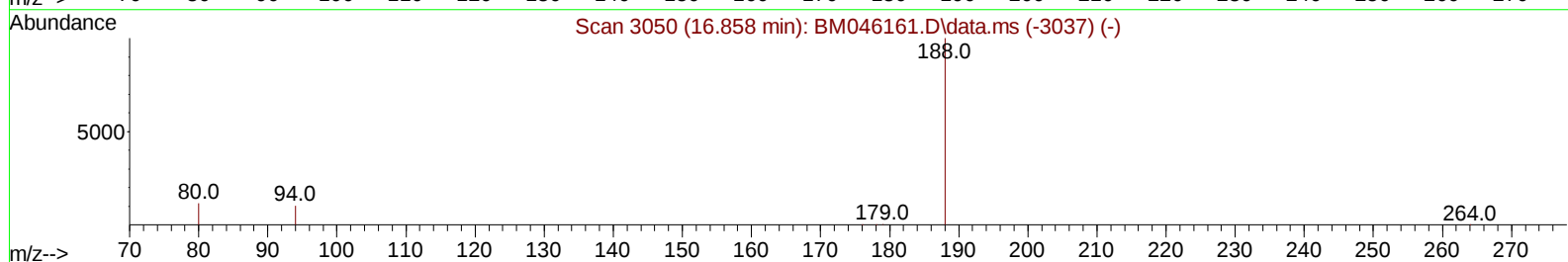
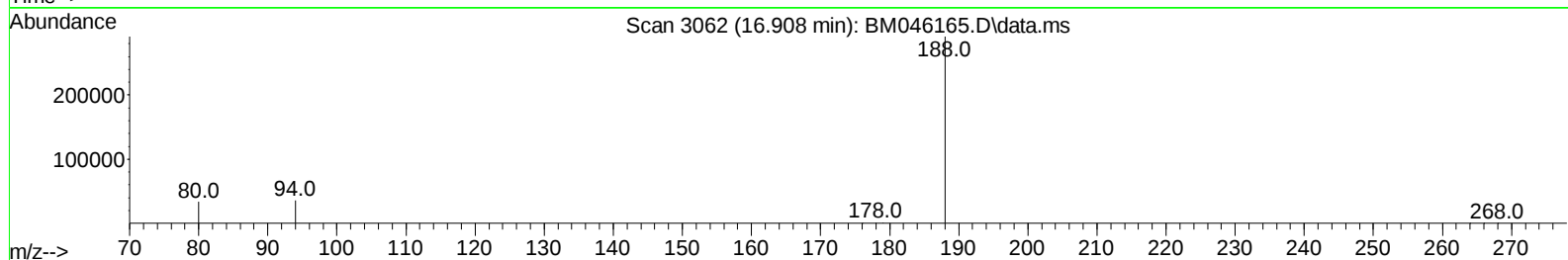
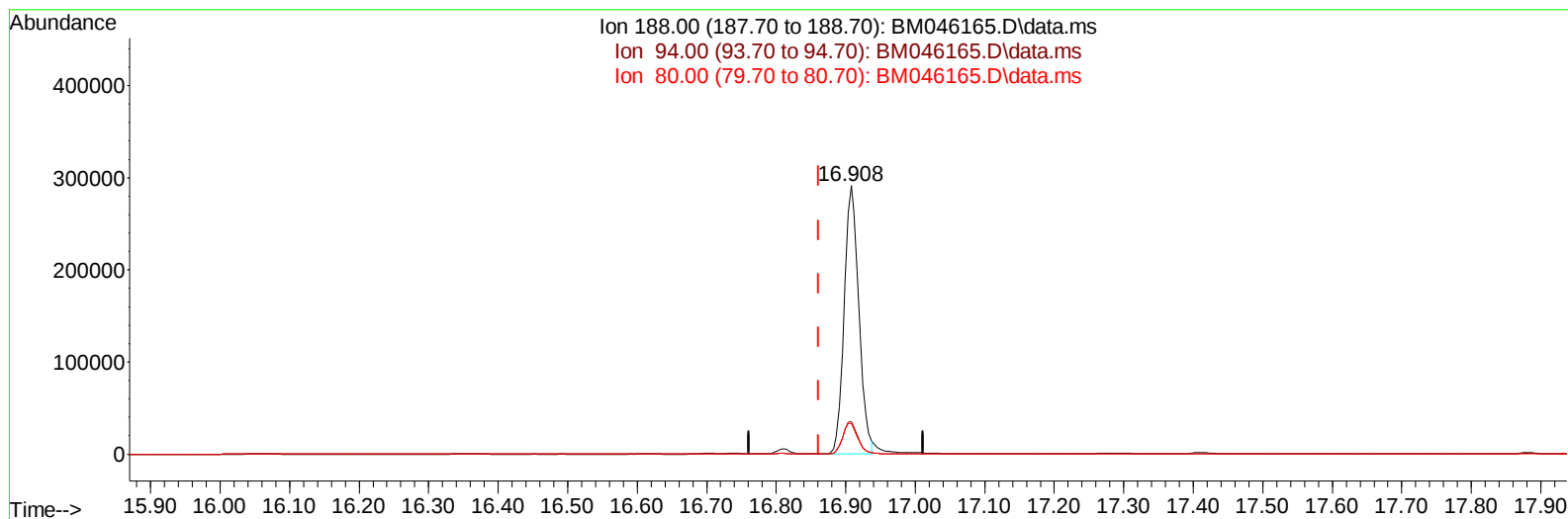
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046165.D
Acq On : 21 Jun 2024 18:15
Operator : MA/JU
Sample : P2754-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ0

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:24 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 :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046165.D\data.ms

(13) Phenanthrene-d10 (I)

16.908min (+ 0.046) 0.40 ng/u1

response 423337

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.10
80.00	15.20	11.45#
0.00	0.00	0.00

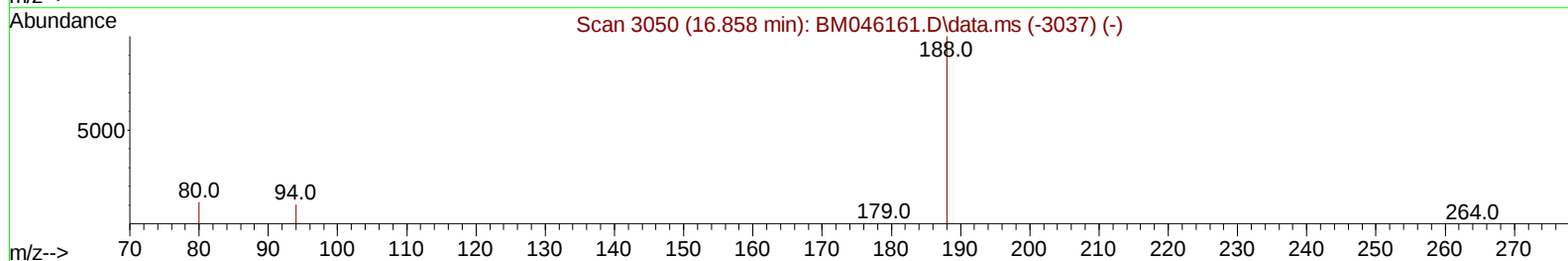
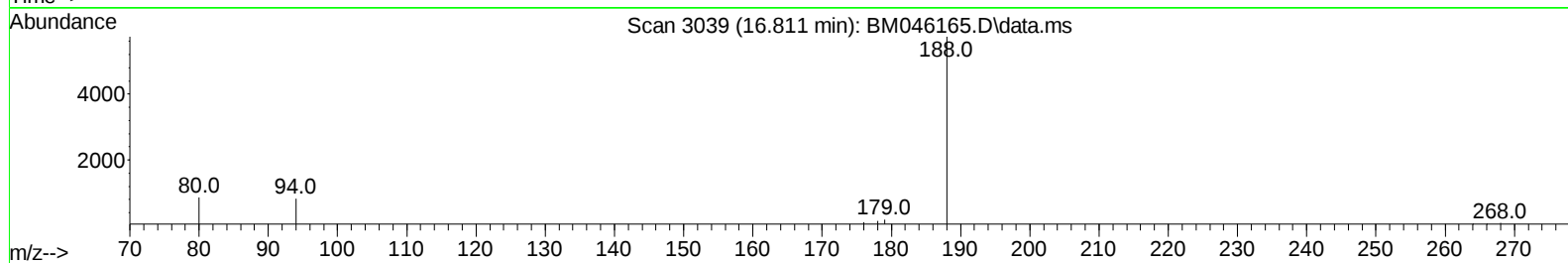
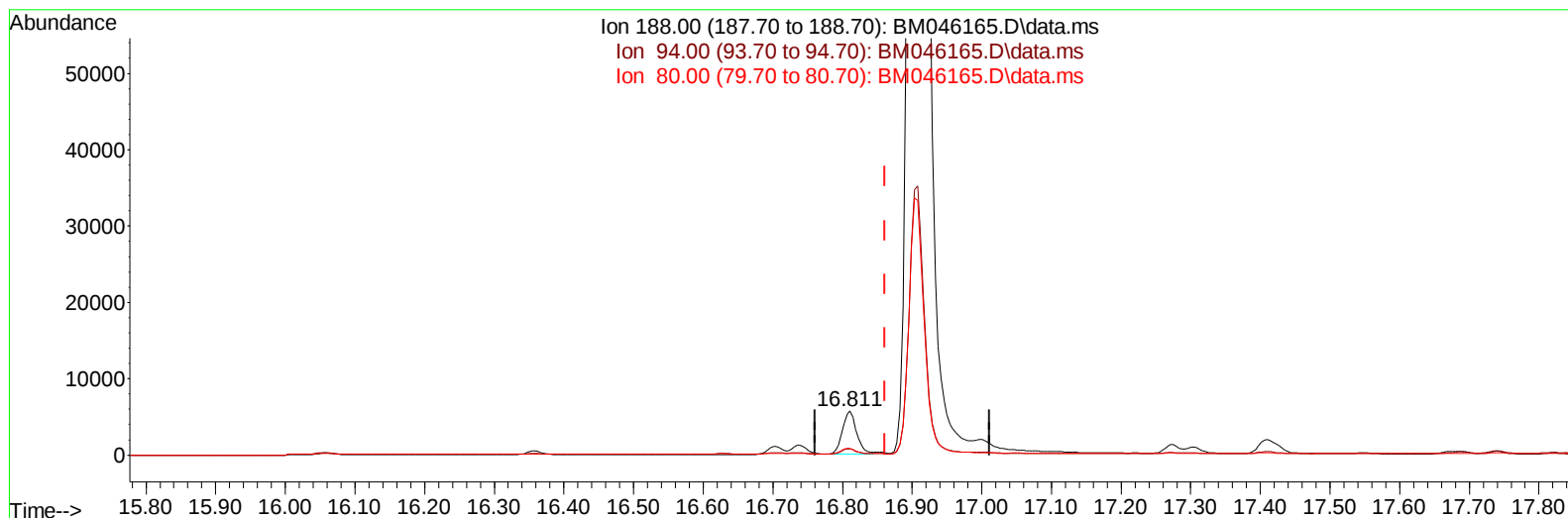
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046165.D
Acq On : 21 Jun 2024 18:15
Operator : MA/JU
Sample : P2754-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ0

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:24 2024
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QLast Update : Tue Jun 18 13:58:29 2024
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Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046165.D\data.ms

(13) Phenanthrene-d10 (I)

16.811min (-0.051) 0.40 ng/ul m

response 8010

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	14.44
80.00	15.20	14.96
0.00	0.00	0.00

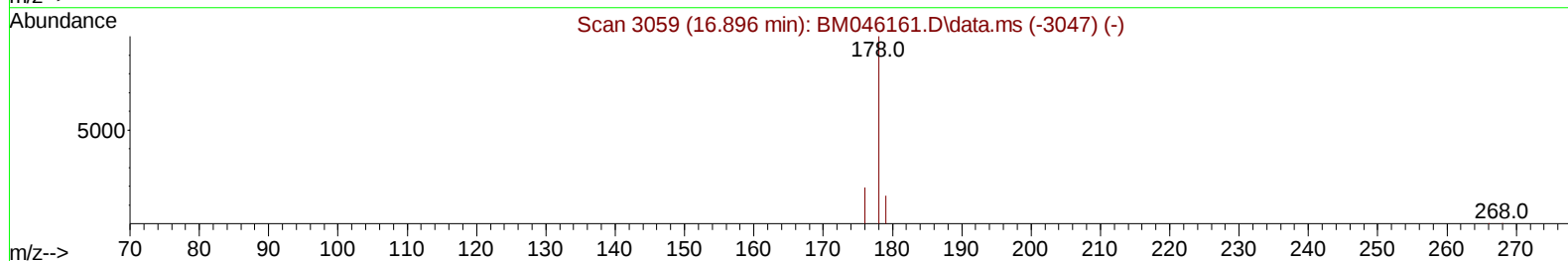
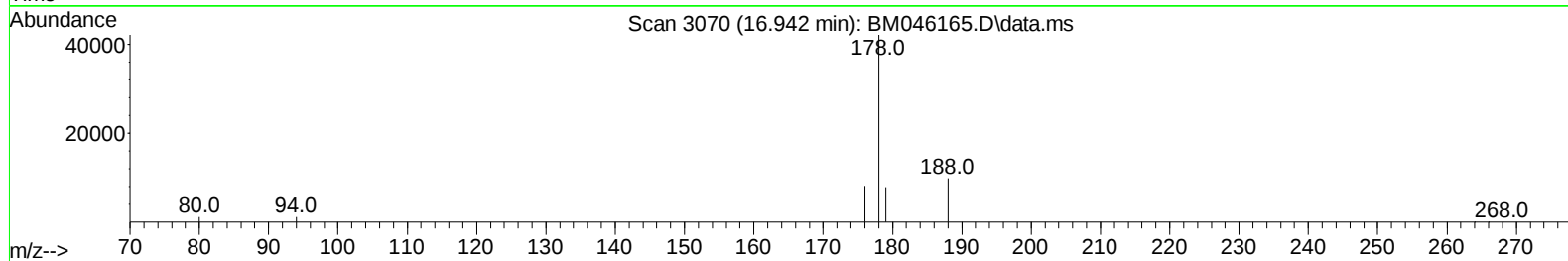
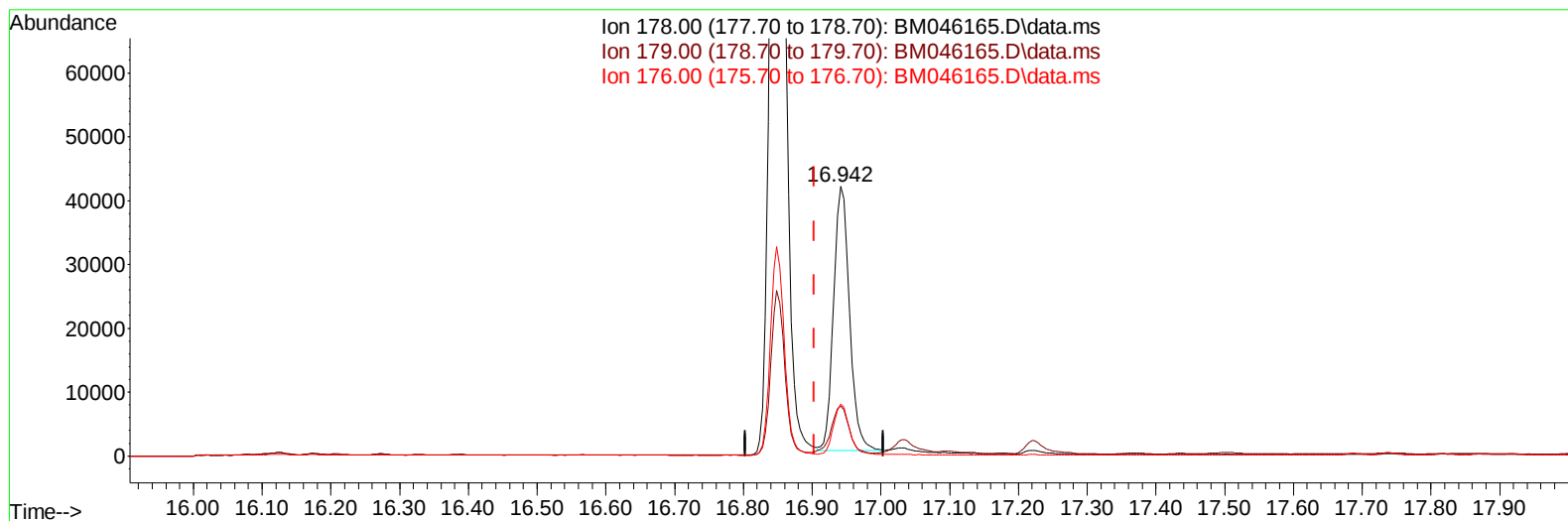
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046165.D
Acq On : 21 Jun 2024 18:15
Operator : MA/JU
Sample : P2754-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ0

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:24 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 :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046165.D\data.ms

(15) Phenanthrene

16.942min (+ 0.038) 2.94 ng/u1

response 66232

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	18.61
176.00	21.40	19.29
0.00	0.00	0.00

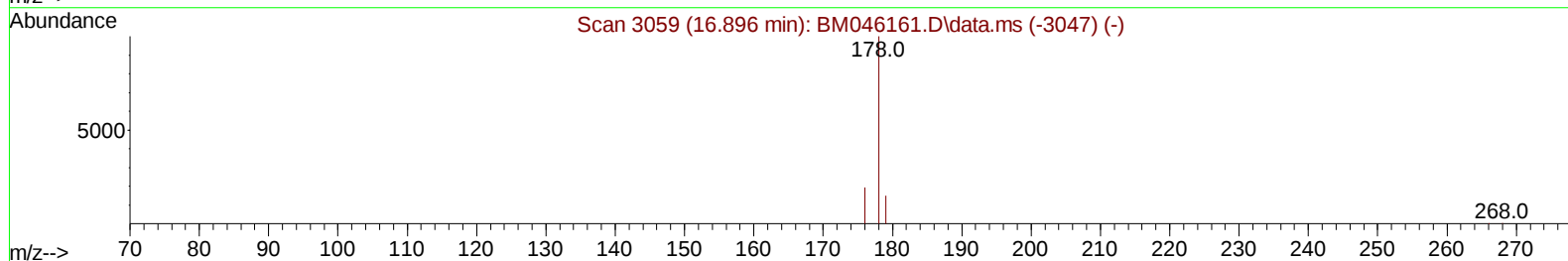
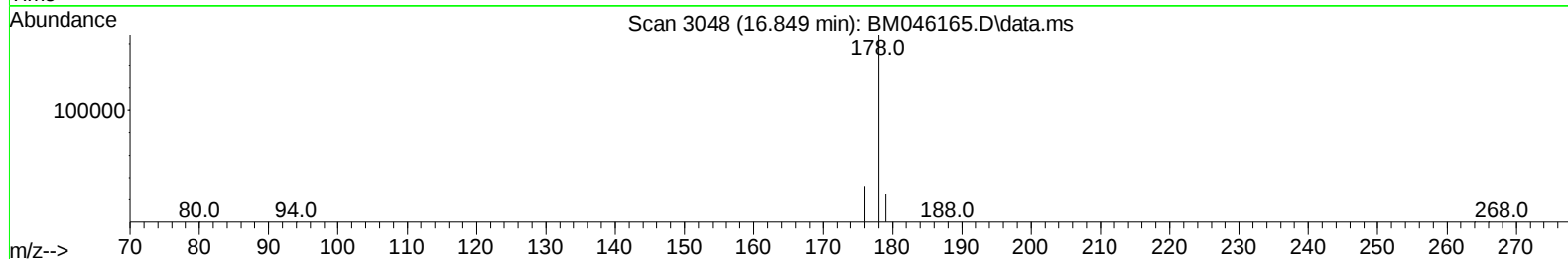
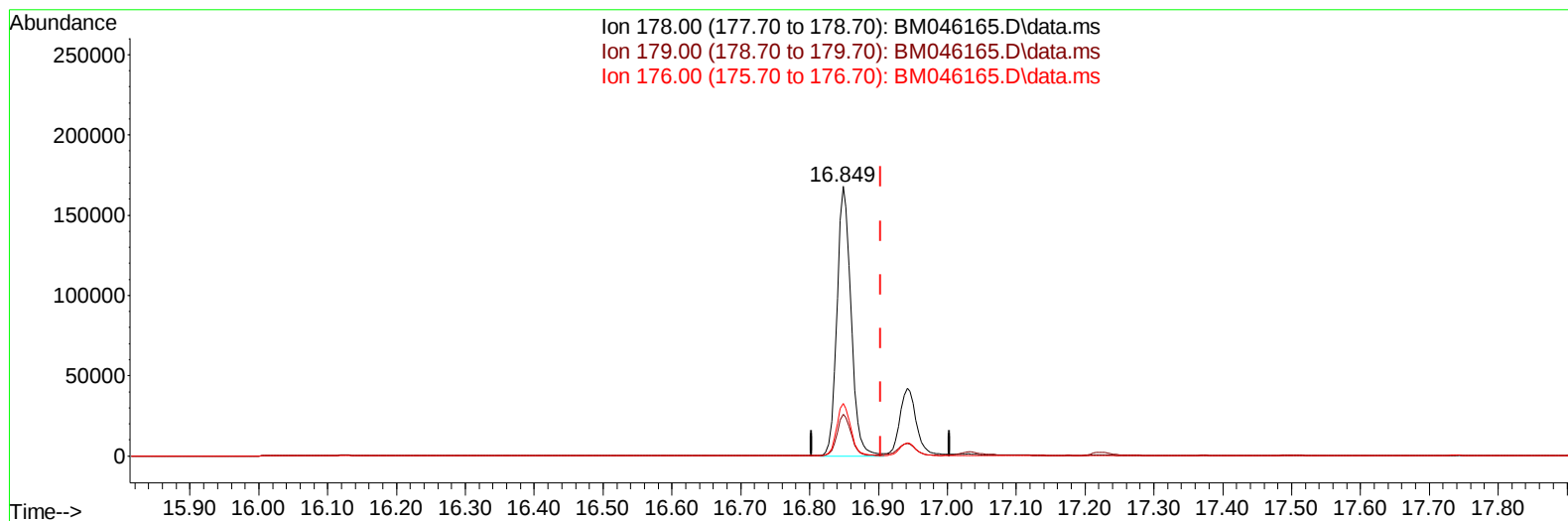
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046165.D
 Acq On : 21 Jun 2024 18:15
 Operator : MA/JU
 Sample : P2754-11
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BQ0

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:24 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 :Yogesh Patel 06/24/2024
 Supervised By :mohammad ahmed 06/24/2024



TIC: BM046165.D\data.ms

(15) Phenanthrene

16.849min (-0.055) 10.60 ng/ul m

response 238643

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.43
176.00	21.40	19.51
0.00	0.00	0.00

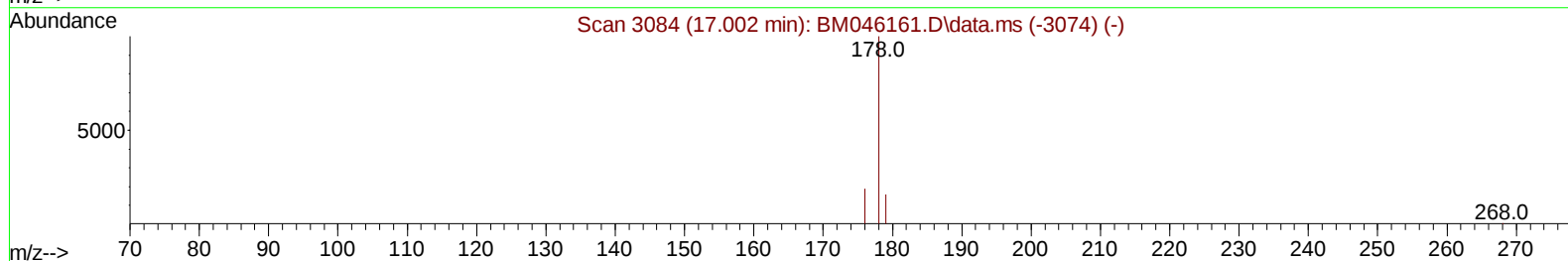
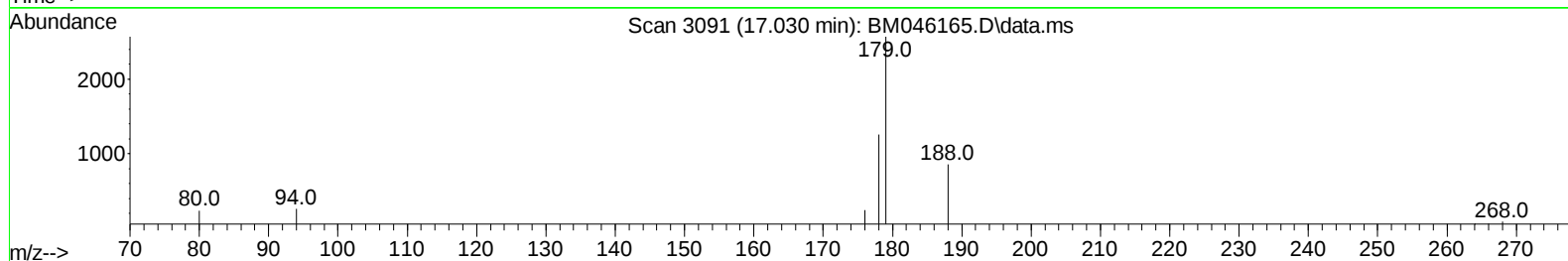
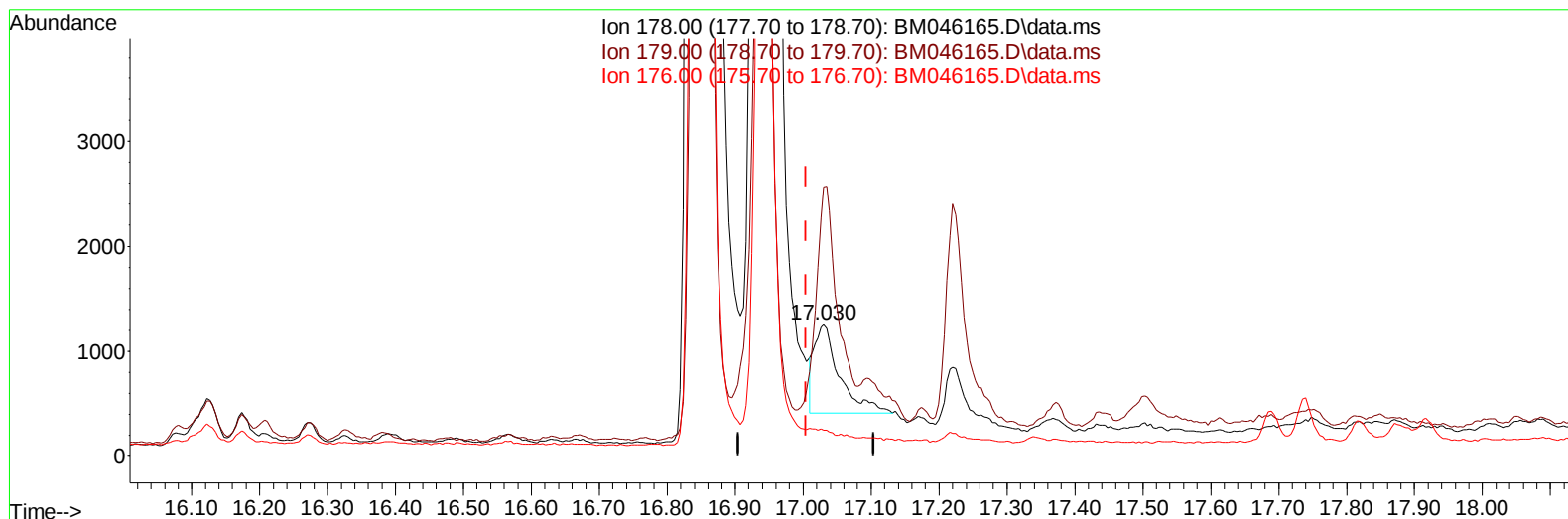
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046165.D
Acq On : 21 Jun 2024 18:15
Operator : MA/JU
Sample : P2754-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ0

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:24 2024
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QLast Update : Tue Jun 18 13:58:29 2024
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Supervised By :mohammad ahmed 06/24/2024



TIC: BM046165.D\data.ms

(16) Anthracene

17.030min (+ 0.025) 0.13 ng/u1

response 2200

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	204.86#
176.00	21.20	19.46
0.00	0.00	0.00

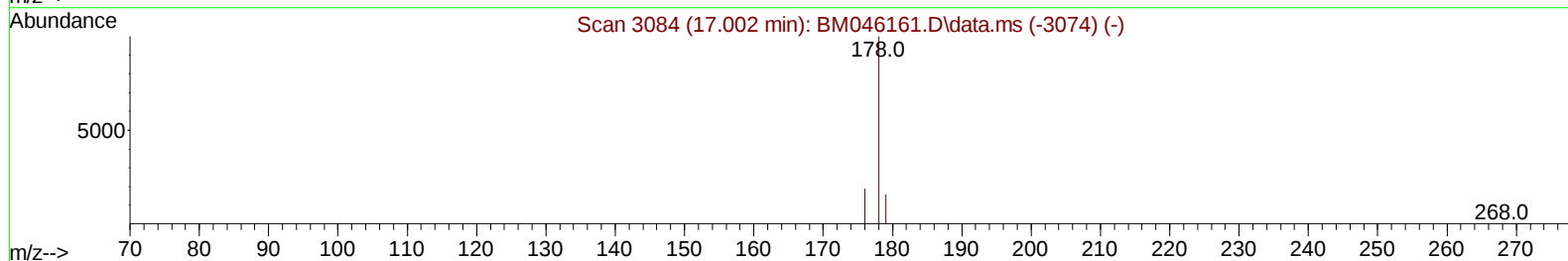
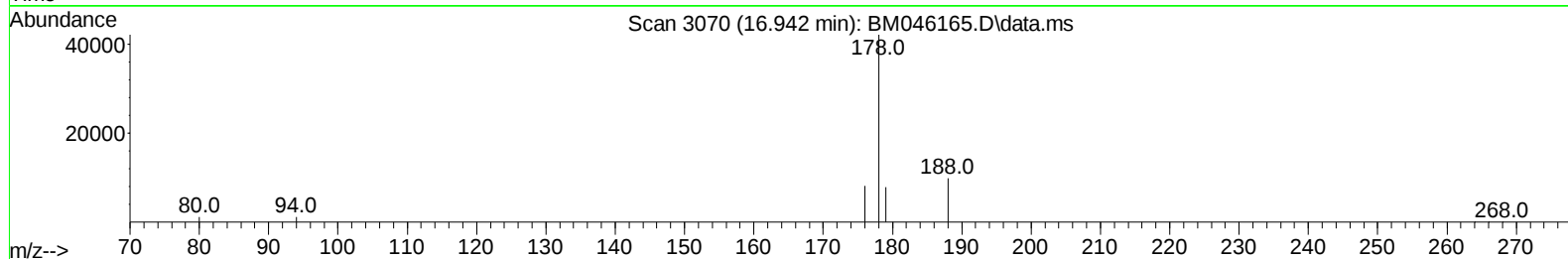
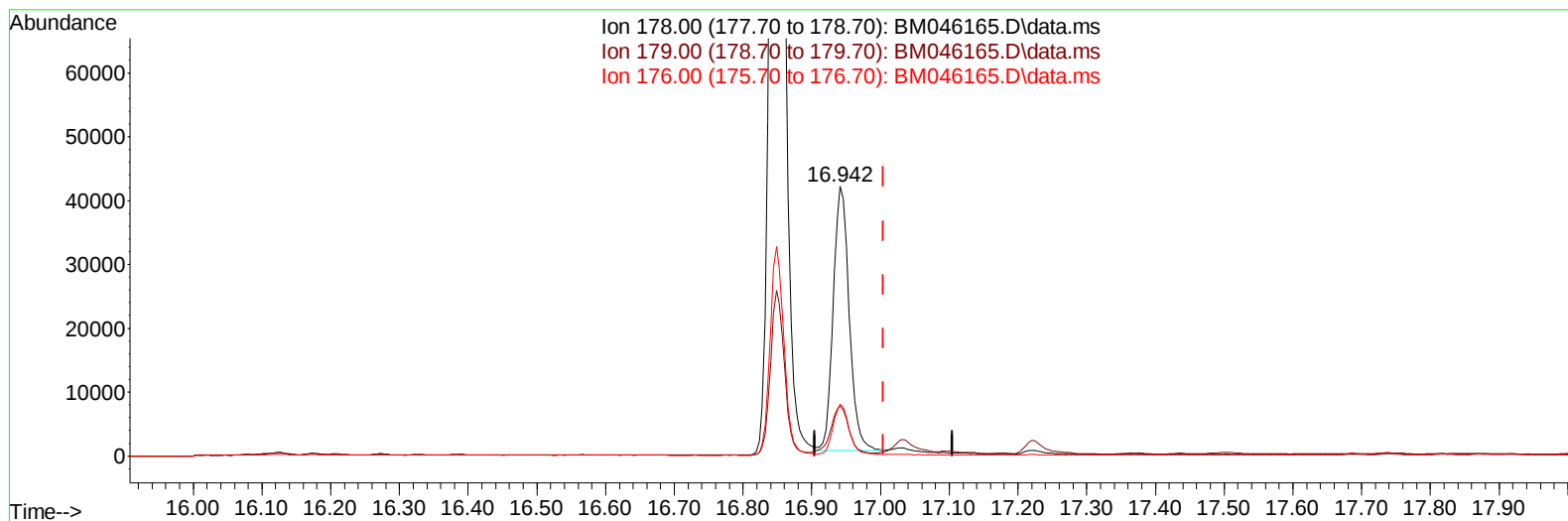
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046165.D
Acq On : 21 Jun 2024 18:15
Operator : MA/JU
Sample : P2754-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ0

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:24 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 06/24/2024



TIC: BM046165.D\data.ms

(16) Anthracene

16.942min (-0.063) 3.97 ng/u1 m

response 66517

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	18.61
176.00	21.20	19.29
0.00	0.00	0.00

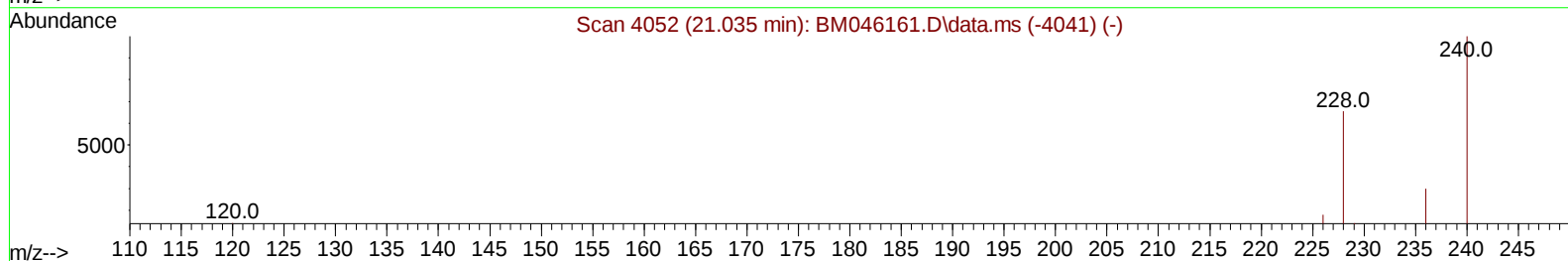
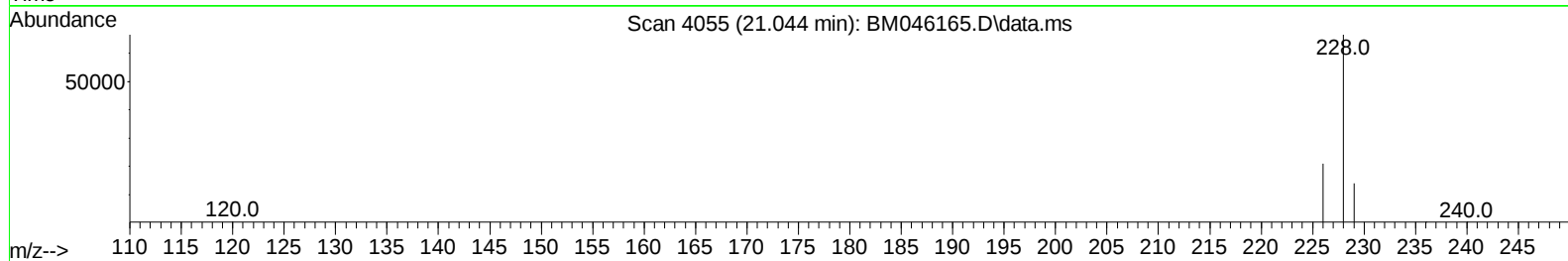
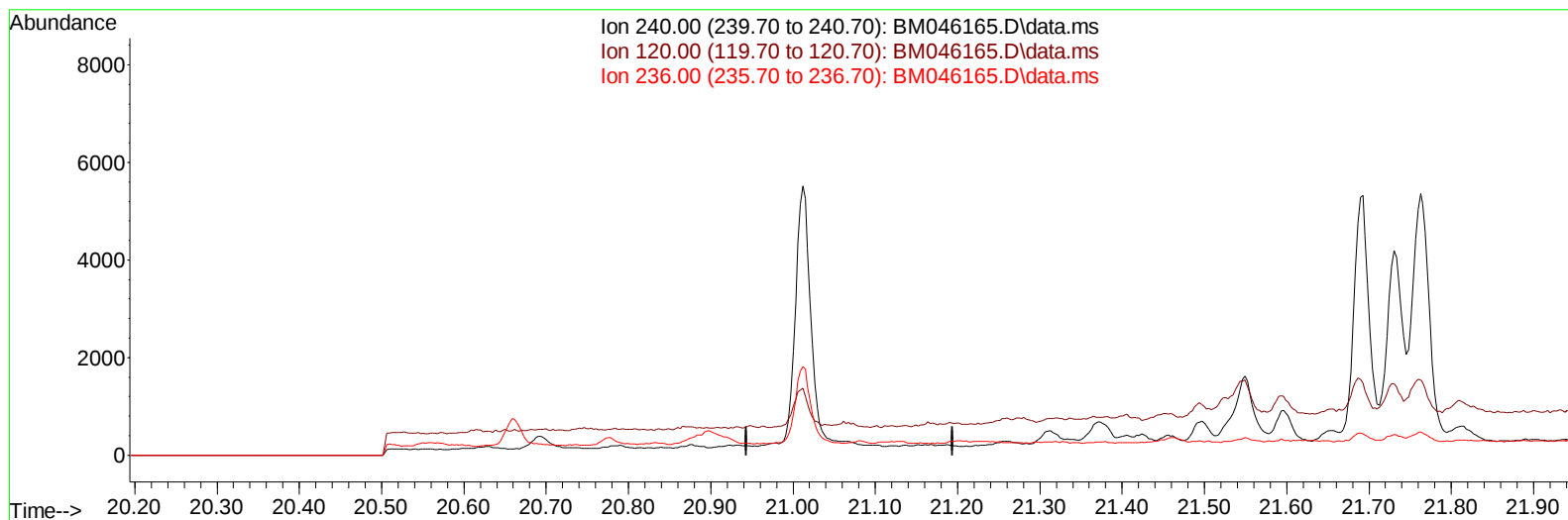
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046165.D
Acq On : 21 Jun 2024 18:15
Operator : MA/JU
Sample : P2754-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ0

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:24 2024
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TIC: BM046165.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

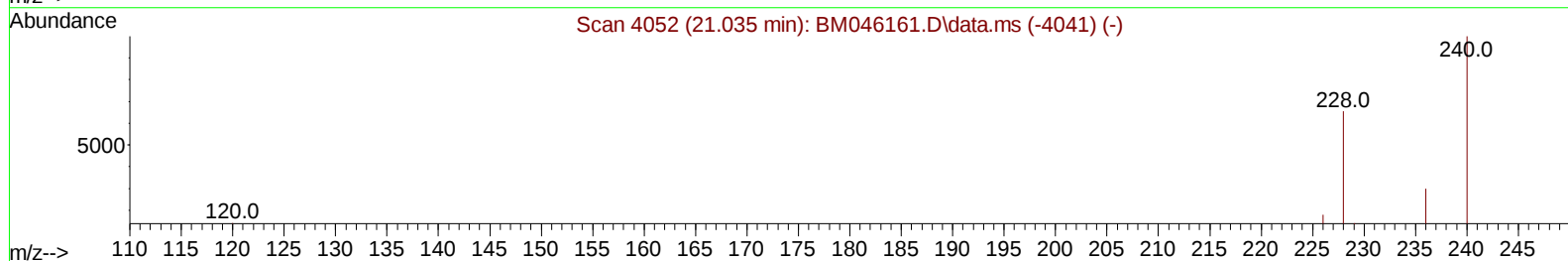
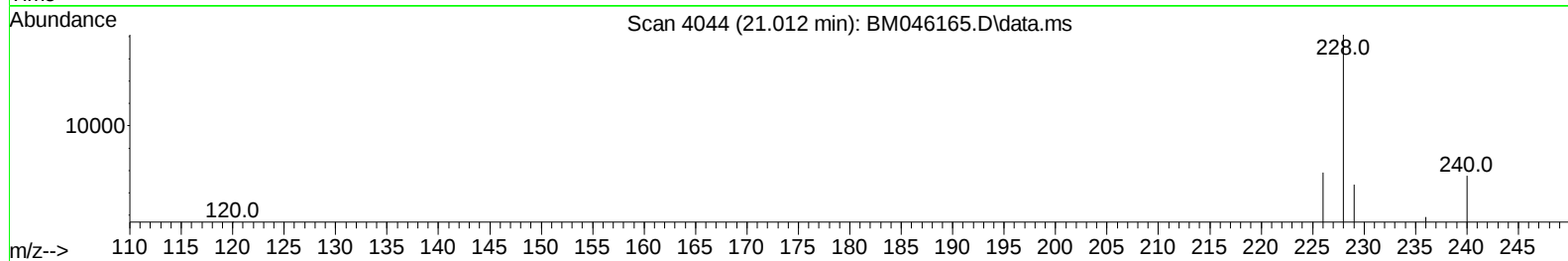
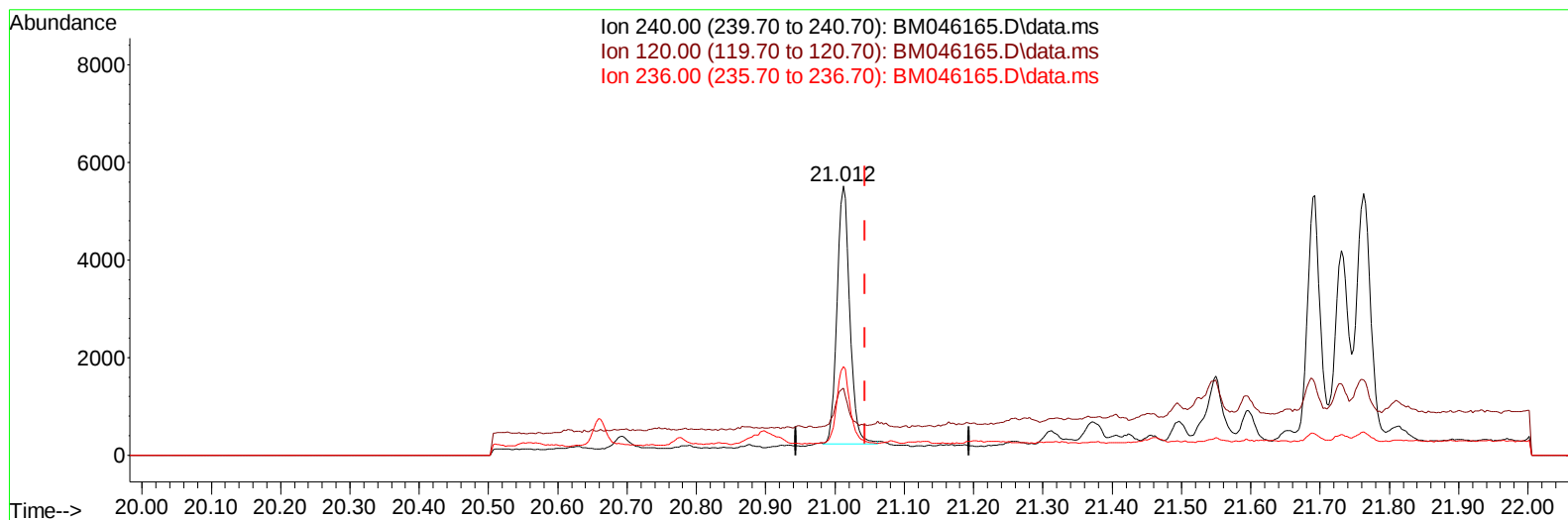
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046165.D
Acq On : 21 Jun 2024 18:15
Operator : MA/JU
Sample : P2754-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ0

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:24 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 :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046165.D\data.ms

(17) Chrysene-d12

21.012min (-0.032) 0.40 ng/ul m

response 6737

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	24.86
236.00	33.60	33.03
0.00	0.00	0.00

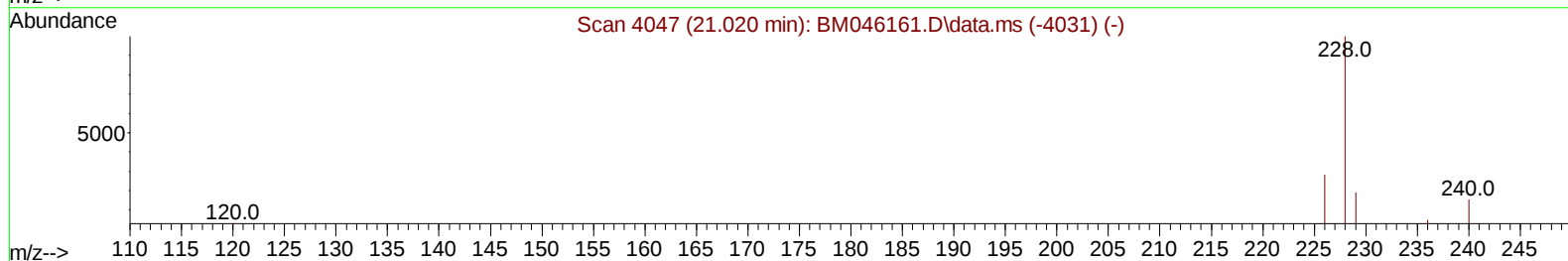
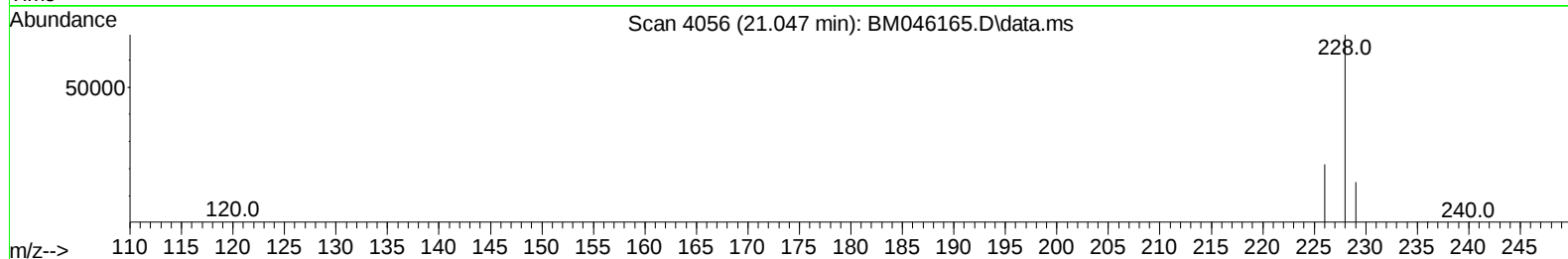
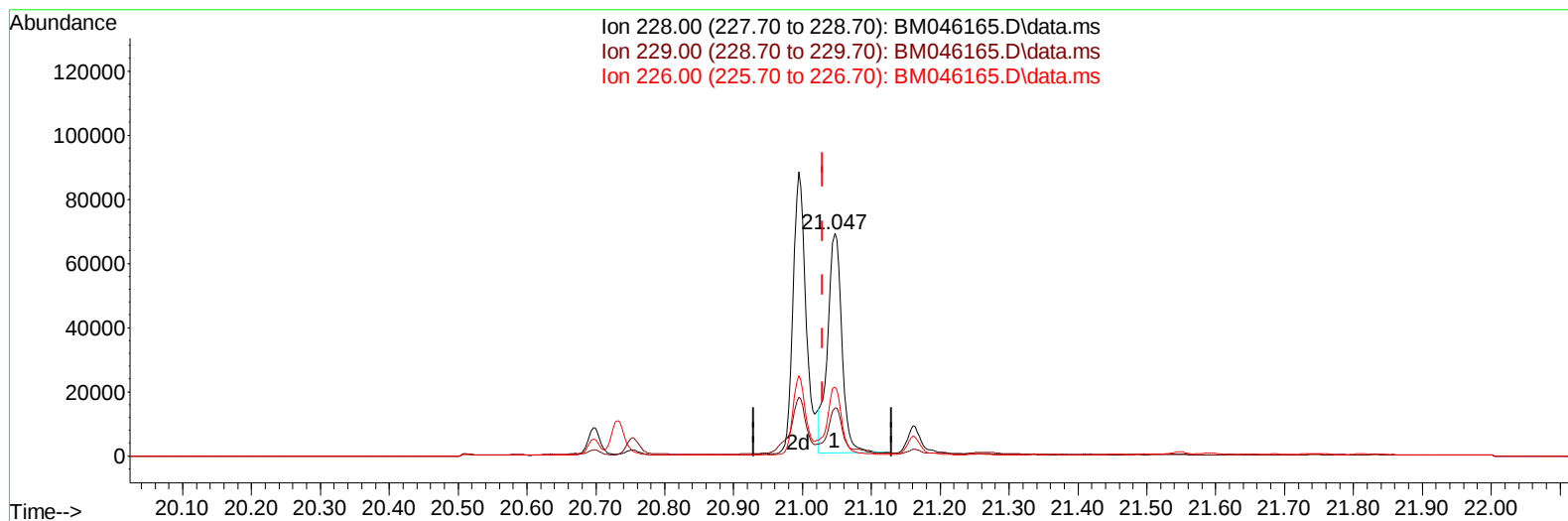
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046165.D
Acq On : 21 Jun 2024 18:15
Operator : MA/JU
Sample : P2754-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ0

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:24 2024
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TIC: BM046165.D\data.ms

(21) Benzo(a)anthracene

21.047min (+ 0.018) 3.80 ng/u1

response 98947

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.50	21.66
226.00	29.30	31.07
0.00	0.00	0.00

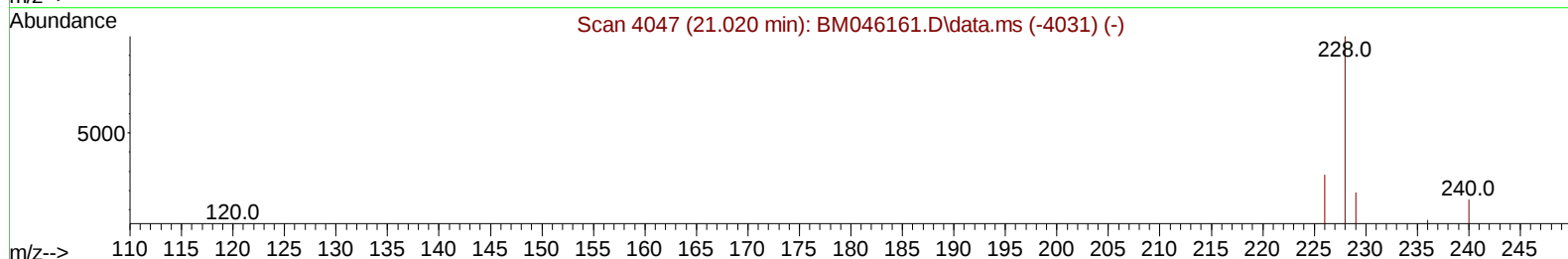
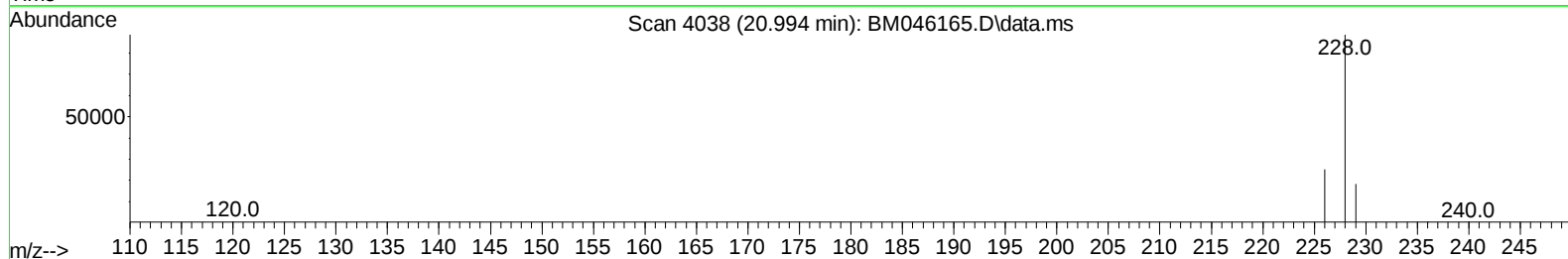
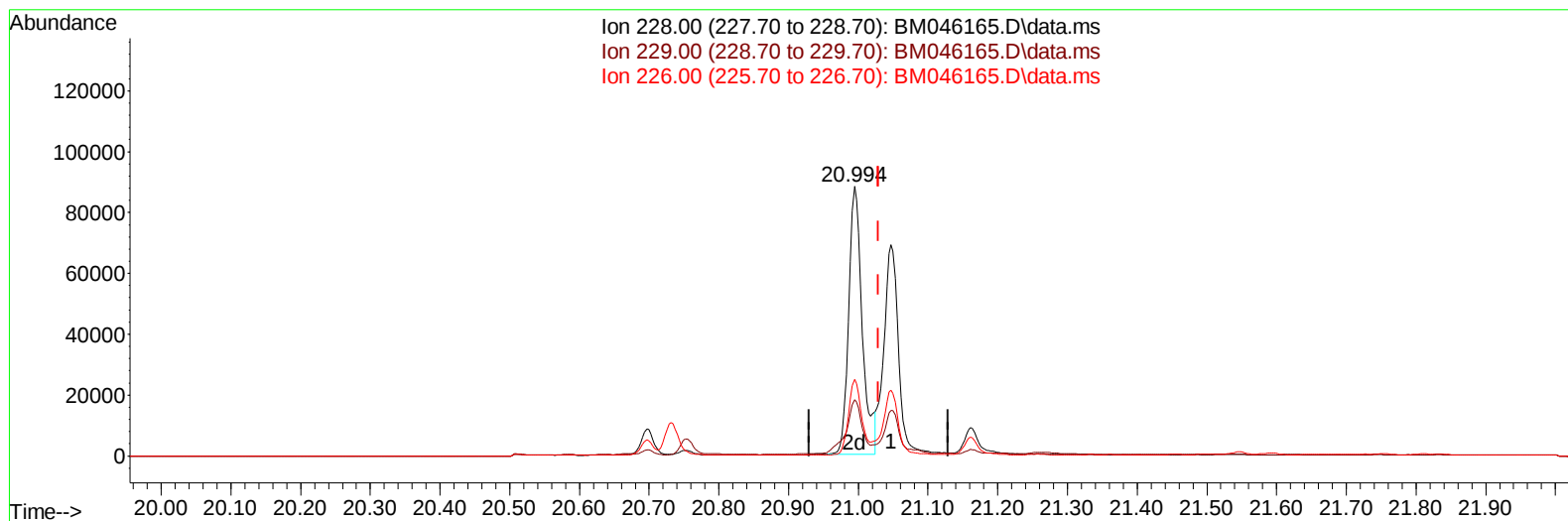
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046165.D
Acq On : 21 Jun 2024 18:15
Operator : MA/JU
Sample : P2754-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ0

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:24 2024
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TIC: BM046165.D\data.ms

(21) Benzo(a)anthracene

20.994min (-0.035) 4.55 ng/u1 m

response 118400

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.50	20.77
226.00	29.30	28.36
0.00	0.00	0.00

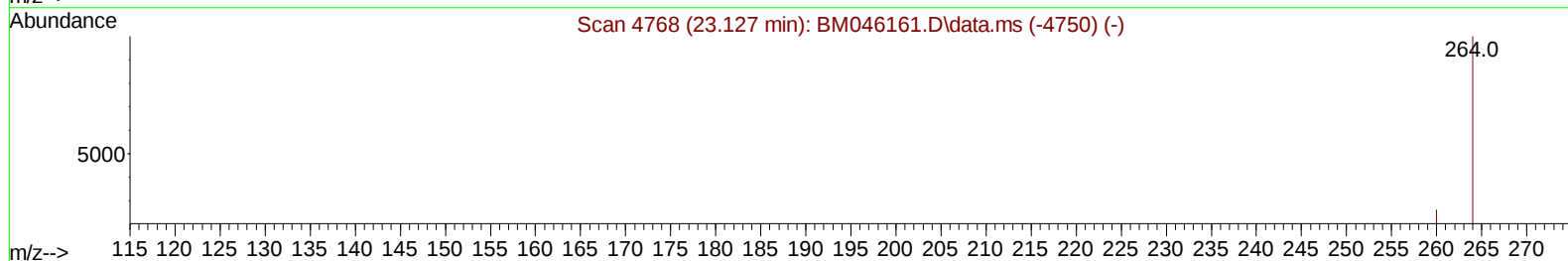
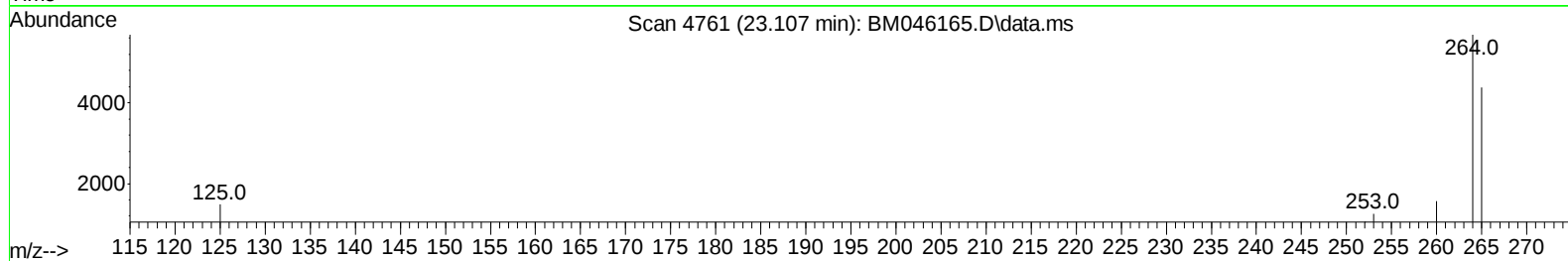
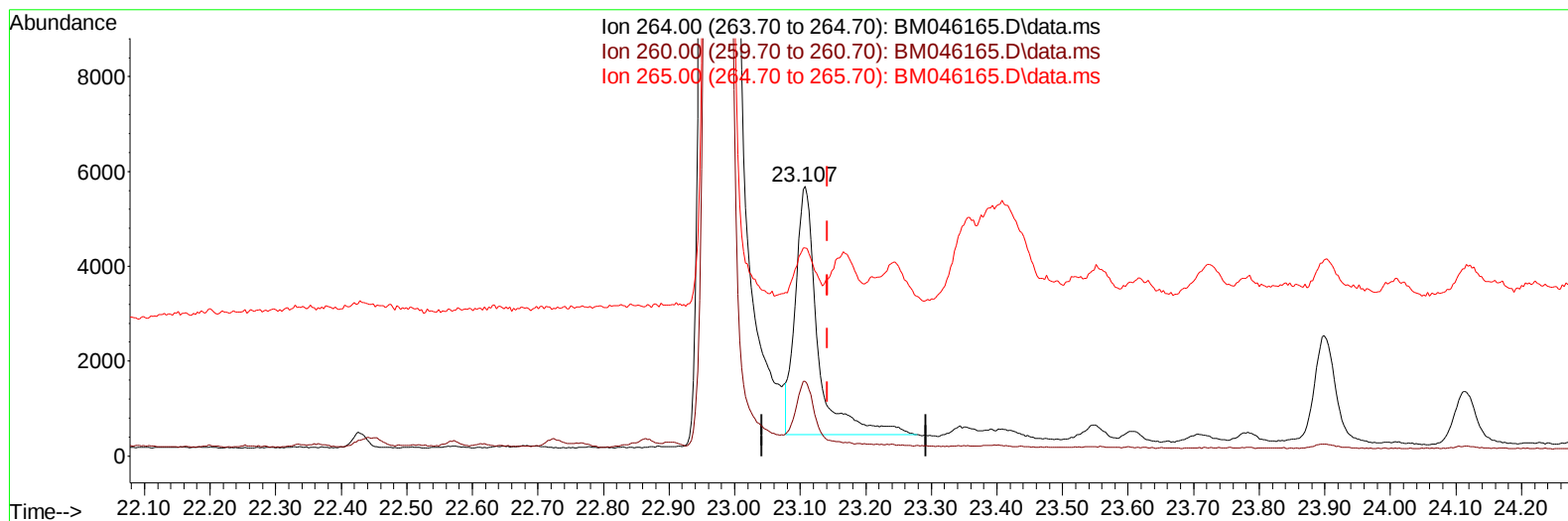
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046165.D
Acq On : 21 Jun 2024 18:15
Operator : MA/JU
Sample : P2754-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ0

Manual IntegrationsAPPROVED

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TIC: BM046165.D\data.ms

(23) Perylene-d12 (I)

23.107min (-0.035) 0.40 ng/u1

response 12411

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.69
265.00	110.60	77.18#
0.00	0.00	0.00

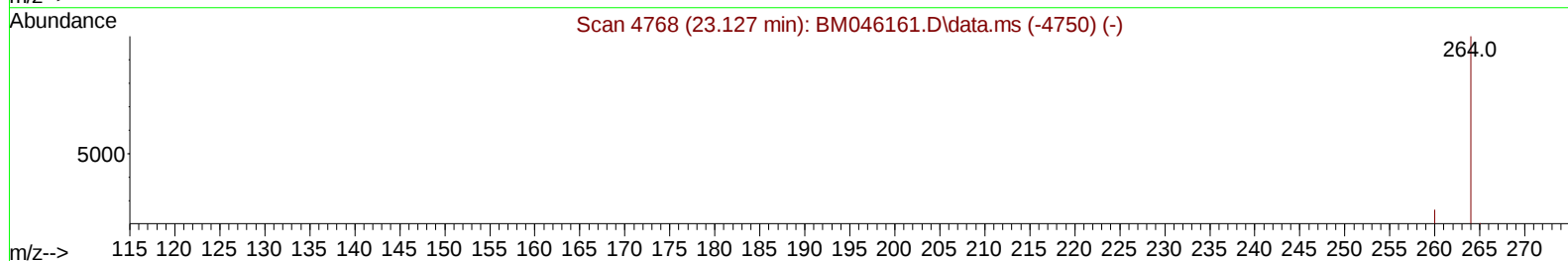
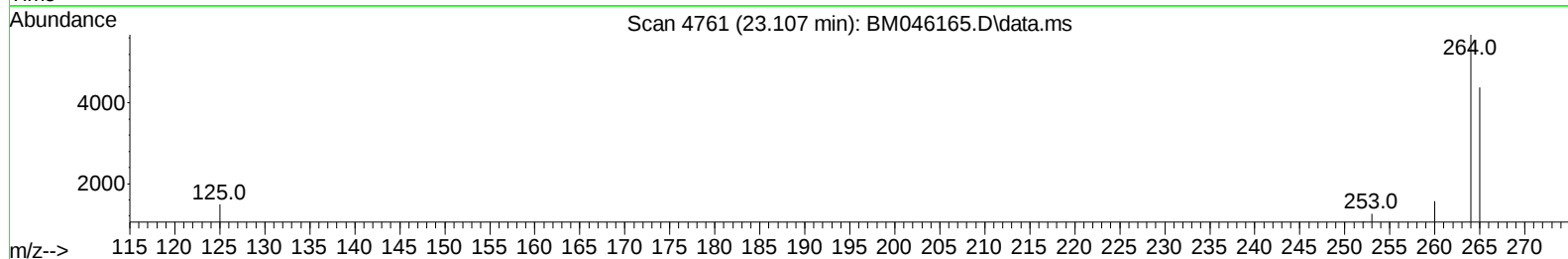
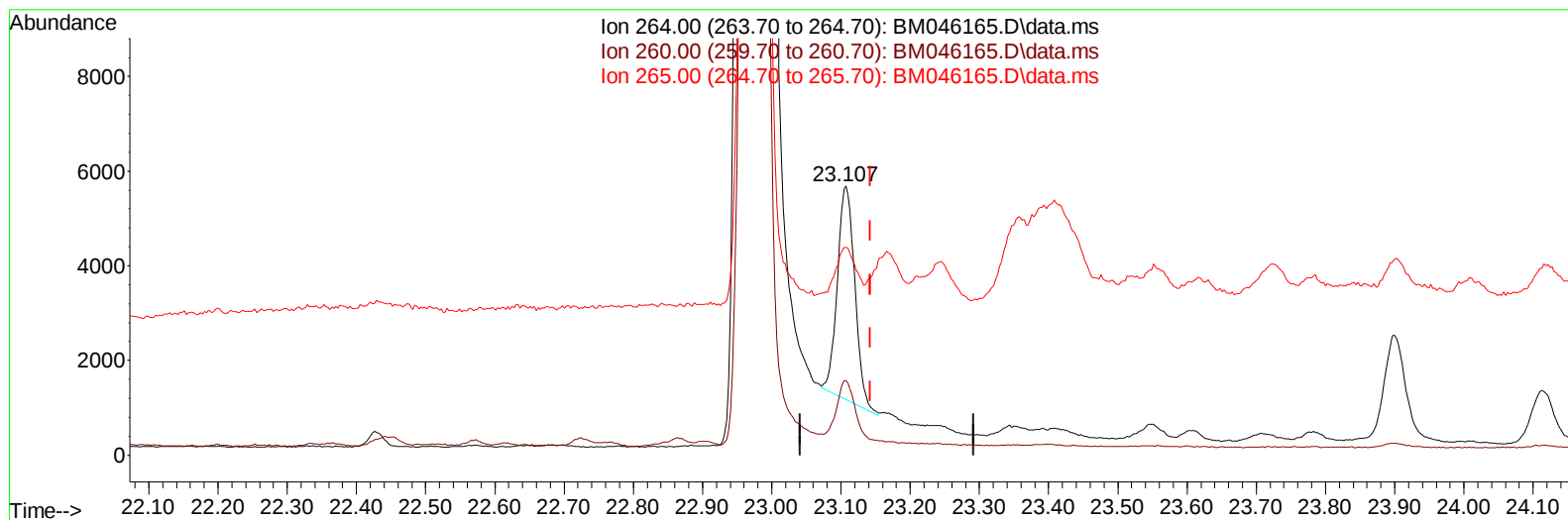
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046165.D
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Operator : MA/JU
Sample : P2754-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ0

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Supervised By :mohammad ahmed 06/24/2024



TIC: BM046165.D\data.ms

(23) Perylene-d12 (I)

23.107min (-0.035) 0.40 ng/u1 m

response 7832

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.69
265.00	110.60	77.18#
0.00	0.00	0.00

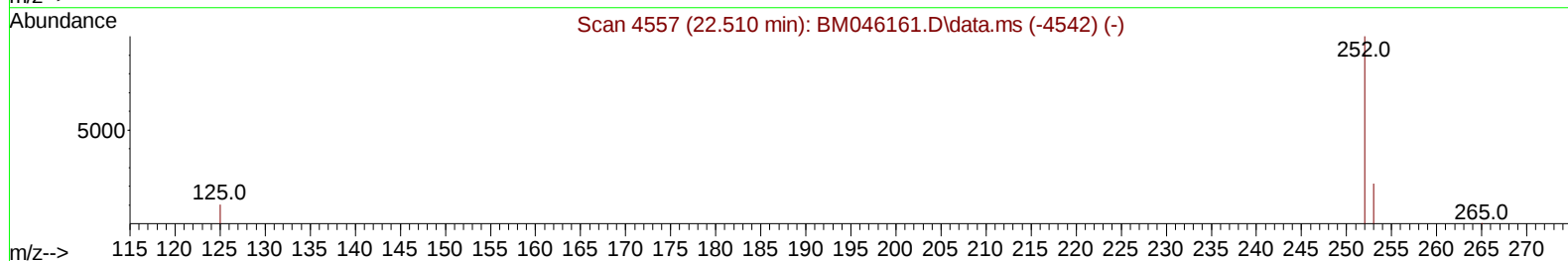
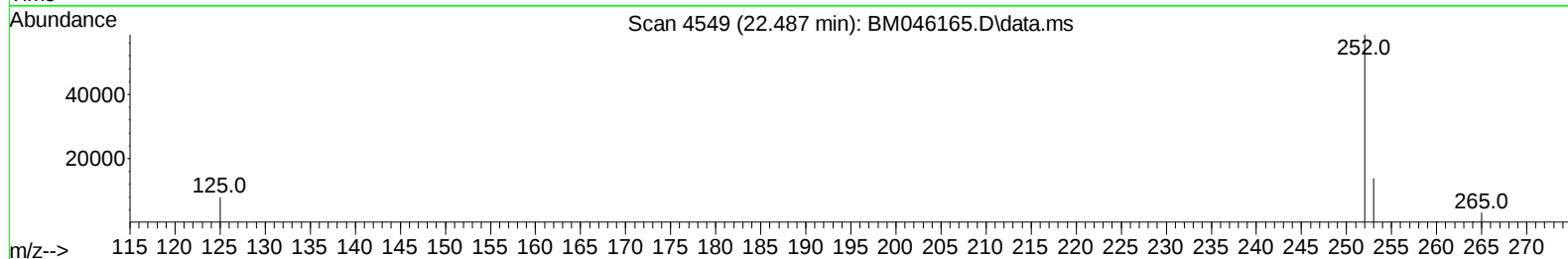
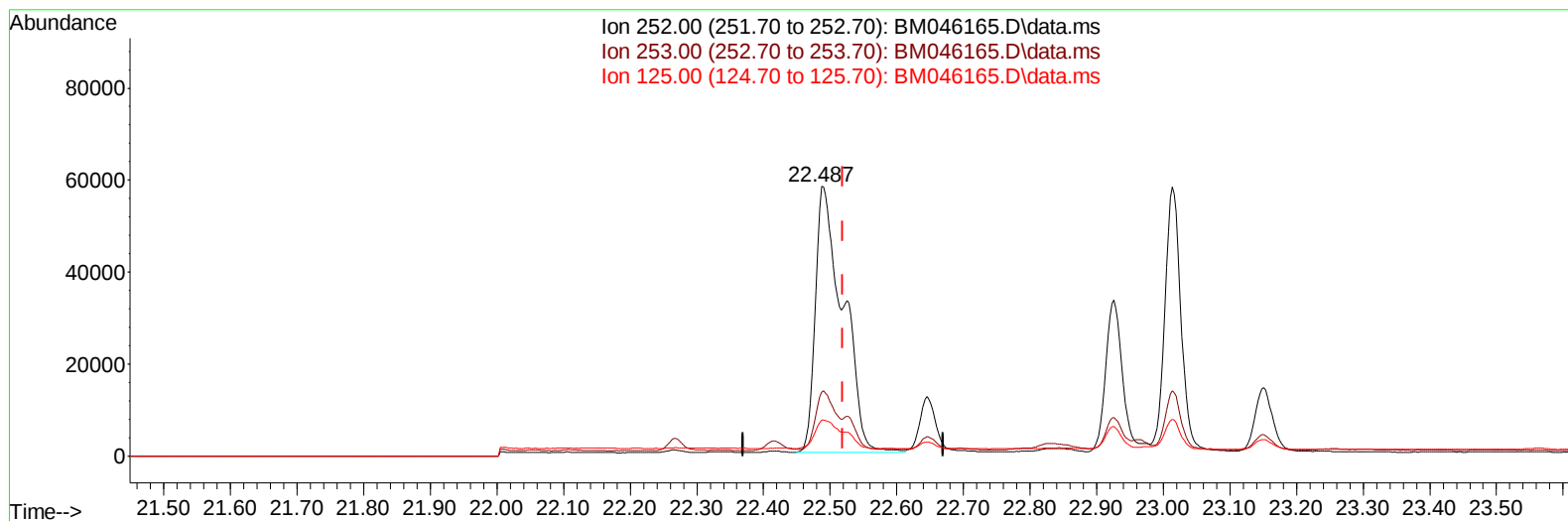
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046165.D
Acq On : 21 Jun 2024 18:15
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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ0

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 06/24/2024



TIC: BM046165.D\data.ms

(24) Benzo(b)fluoranthene

22.487min (-0.032) 5.93 ng/u1

response 167301

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	23.78
125.00	20.10	13.39
0.00	0.00	0.00

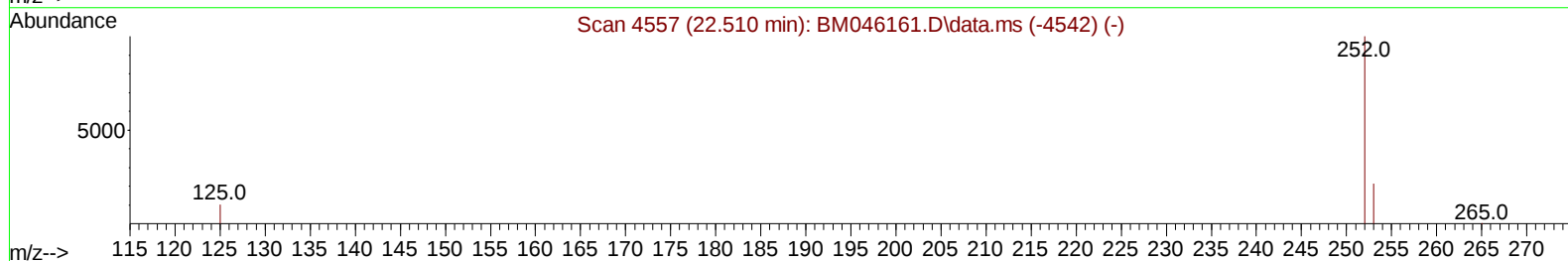
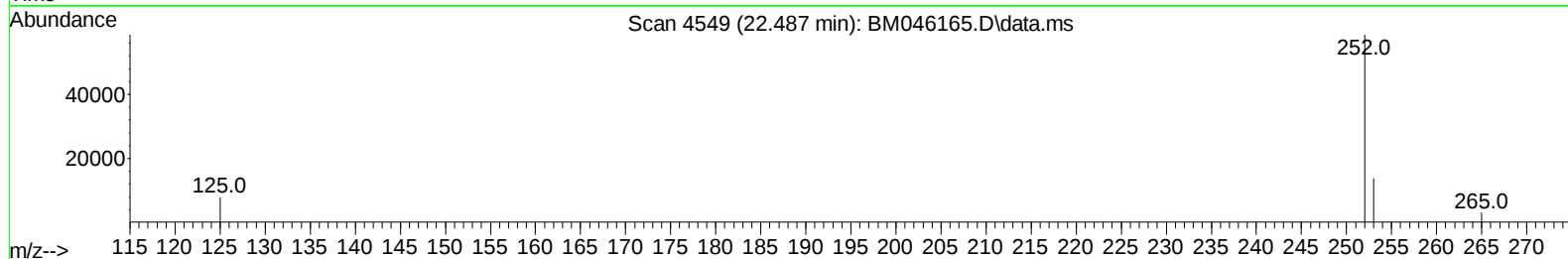
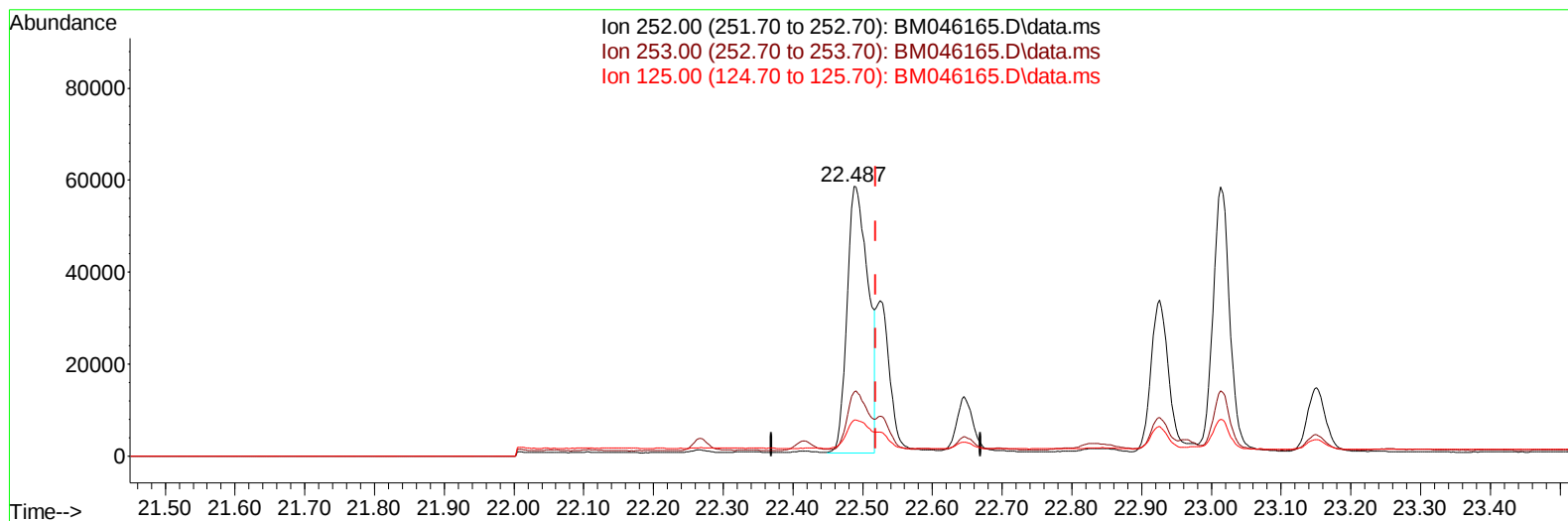
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046165.D
Acq On : 21 Jun 2024 18:15
Operator : MA/JU
Sample : P2754-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ0

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:24 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 :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046165.D\data.ms

(24) Benzo(b)fluoranthene

22.487min (-0.032) 4.30 ng/u1 m

response 121425

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	23.78
125.00	20.10	13.39
0.00	0.00	0.00

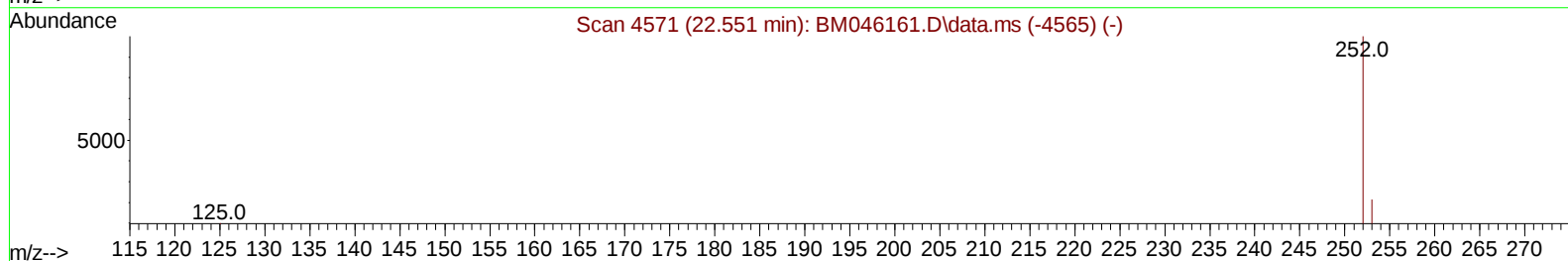
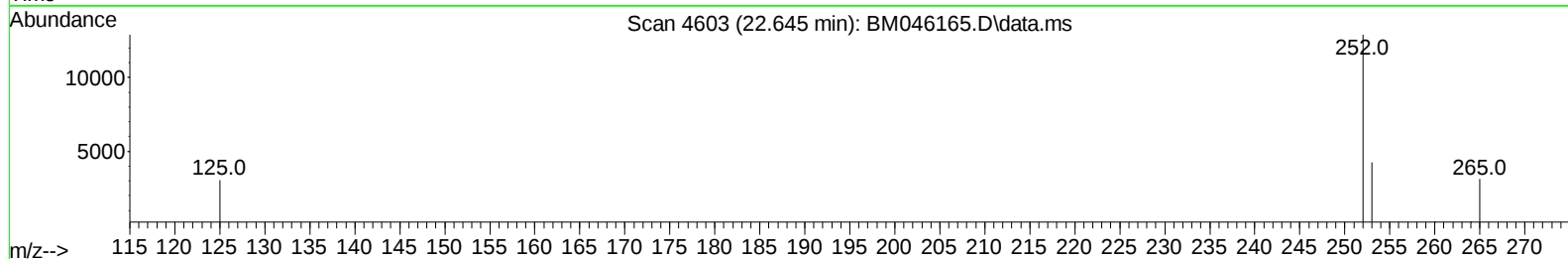
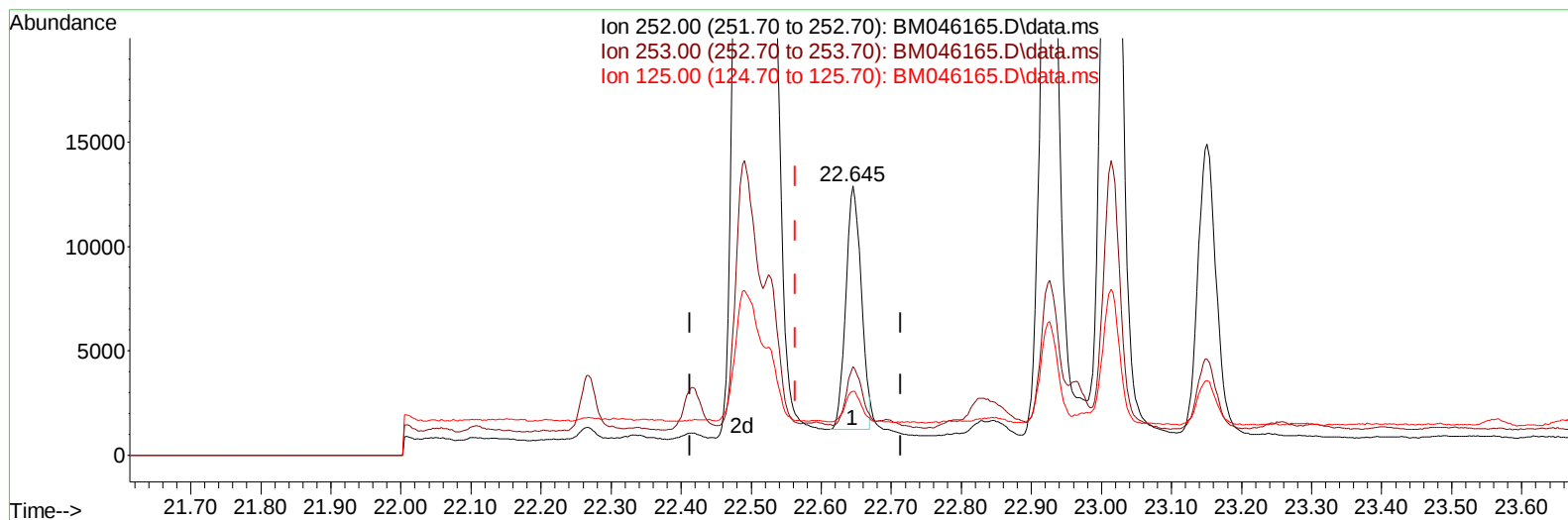
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046165.D
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Sample : P2754-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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TIC: BM046165.D\data.ms

(25) Benzo(k)fluoranthene

22.645min (+ 0.082) 0.53 ng/u1

response 17803

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	32.90
125.00	20.80	23.64
0.00	0.00	0.00

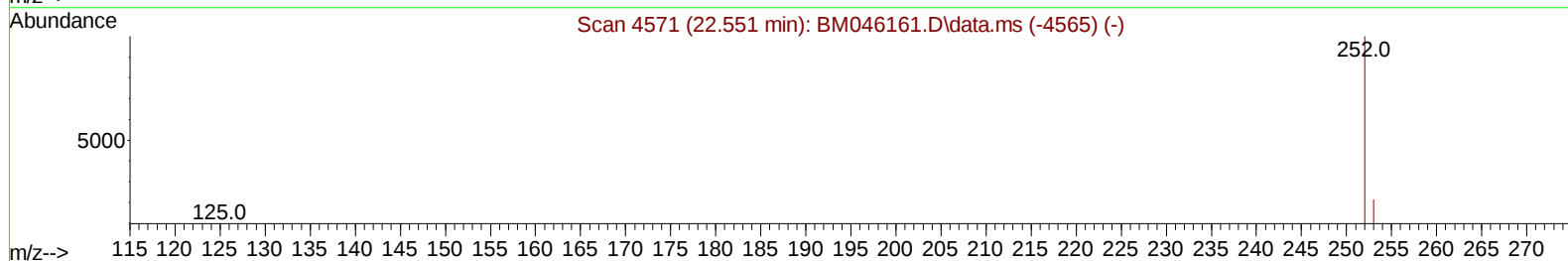
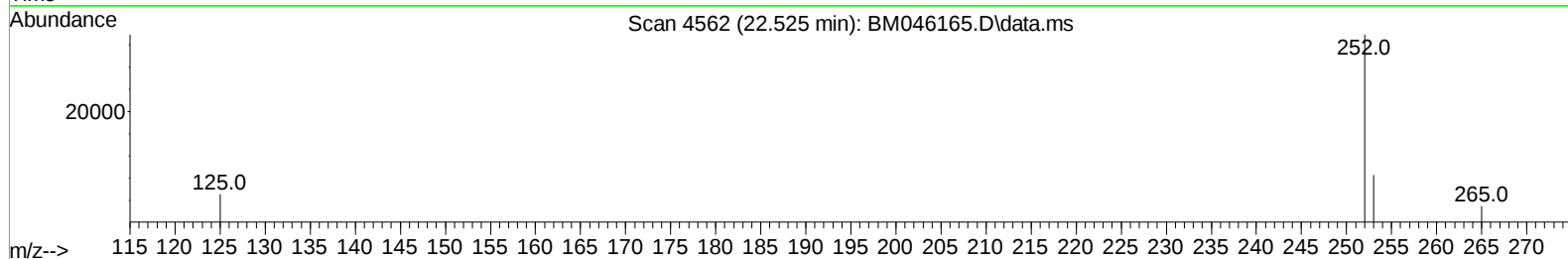
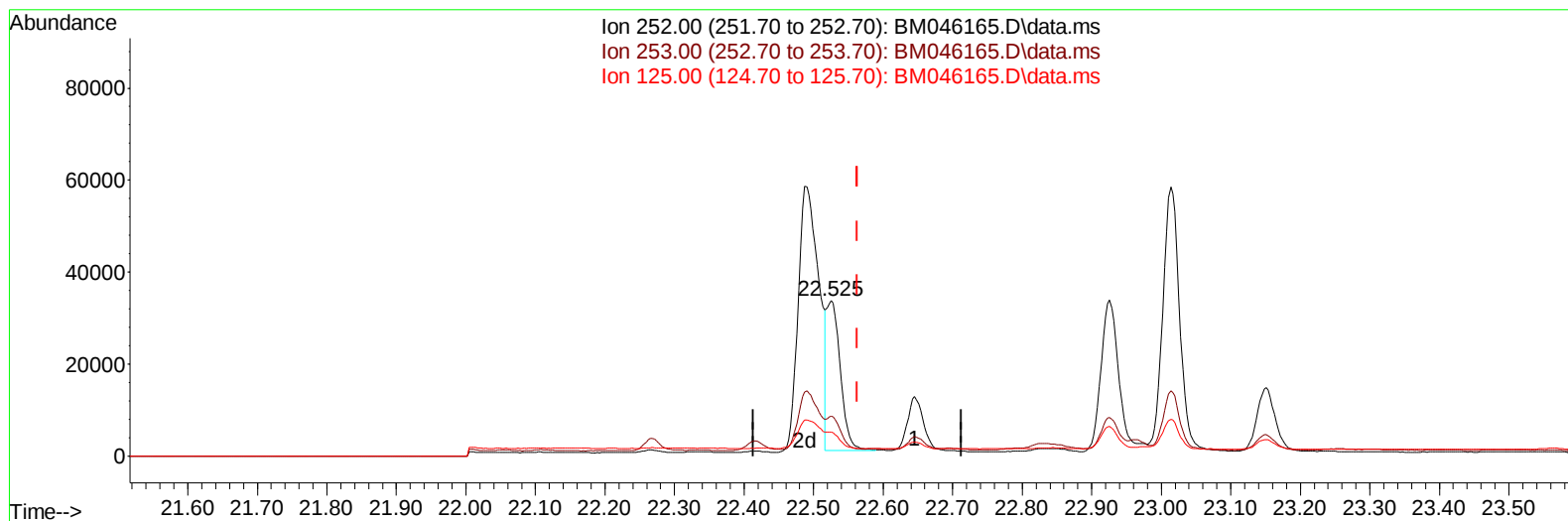
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046165.D
 Acq On : 21 Jun 2024 18:15
 Operator : MA/JU
 Sample : P2754-11
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BQ0

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:24 2024
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TIC: BM046165.D\data.ms

(25) Benzo(k)fluoranthene

22.525min (-0.038) 1.31 ng/u1 m

response 43879

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	25.63#
125.00	20.80	15.34#
0.00	0.00	0.00

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 Data File : BM046165.D
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 Operator : MA/JU
 Sample : P2754-11
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BQ0

Manual IntegrationsAPPROVED

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.421	152	2341	0.400	ng/ul	-0.04
4) Naphthalene-d8	10.193	136	6896	0.400	ng/ul	-0.06
9) Acenaphthene-d10	14.066	164	3821	0.400	ng/ul	#-0.05
13) Phenanthrene-d10	16.811	188	8010m	0.400	ng/ul	-0.05
17) Chrysene-d12	21.012	240	6737m	0.400	ng/ul	-0.03
23) Perylene-d12	23.107	264	7832m	0.400	ng/ul	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.029	96	11897	3.704	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	11.815	152	2517	0.272	ng/ul	-0.05
18) Fluoranthene-d10	18.843	212	5790	0.287	ng/ul	-0.04
Target Compounds						
						Qvalue
5) Naphthalene	10.237	128	7177	0.373	ng/ul	97
7) 2-Methylnaphthalene	11.892	142	2527	0.233	ng/ul	98
8) 1-Methylnaphthalene	12.107	142	2267	0.191	ng/ul	98
10) Acenaphthylene	13.784	152	2059	0.114	ng/ul#	82
11) Acenaphthene	14.131	153	13331	1.019	ng/ul	97
12) Fluorene	15.125	166	17420	1.241	ng/ul	97
15) Phenanthrene	16.849	178	238643m	10.604	ng/ul	
16) Anthracene	16.942	178	66517m	3.969	ng/ul	
19) Fluoranthene	18.875	202	285307	9.781	ng/ul	95
20) Pyrene	19.238	202	235454	7.464	ng/ul	95
21) Benzo(a)anthracene	20.994	228	118400m	4.550	ng/ul	
22) Chrysene	21.047	228	99124	2.985	ng/ul	98
24) Benzo(b)fluoranthene	22.487	252	121425m	4.303	ng/ul	
25) Benzo(k)fluoranthene	22.525	252	43879m	1.308	ng/ul	
26) Benzo(a)pyrene	23.014	252	96856	3.704	ng/ul#	74
27) Indeno(1,2,3-cd)pyrene	25.152	276	61218	1.431	ng/ul#	88
28) Dibenzo(a,h)anthracene	25.159	278	13094	0.411	ng/ul	96
29) Benzo(g,h,i)perylene	25.776	276	58498	1.594	ng/ul	95

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

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