

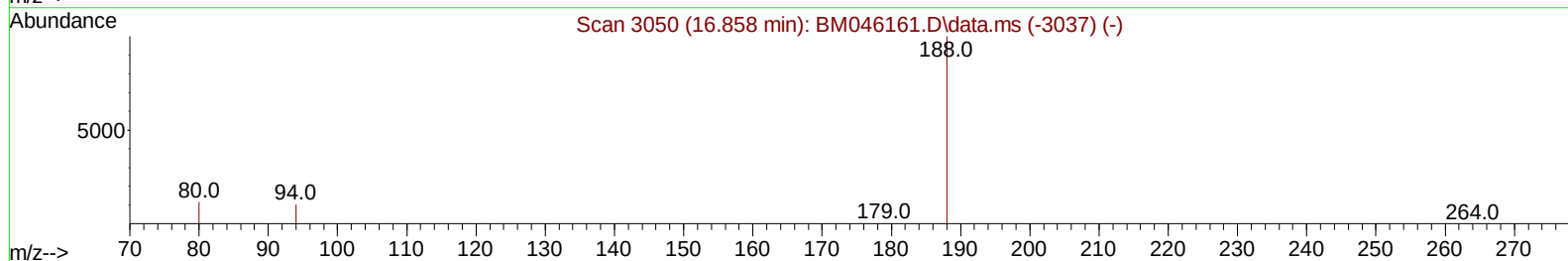
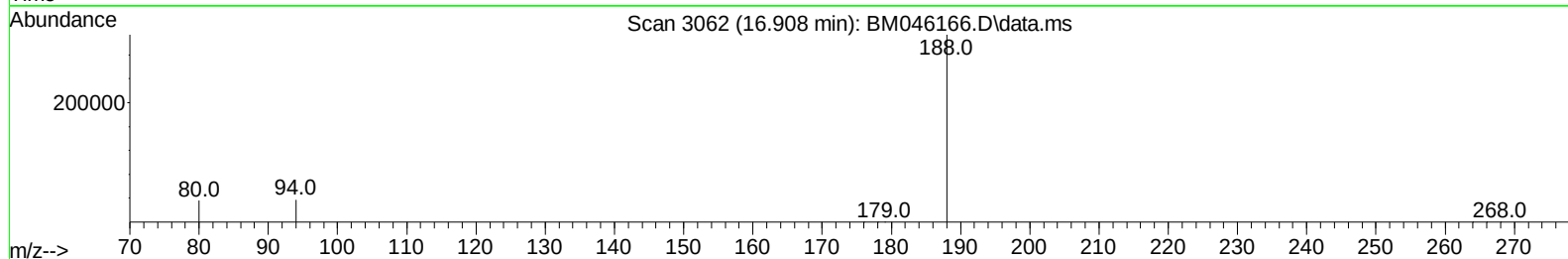
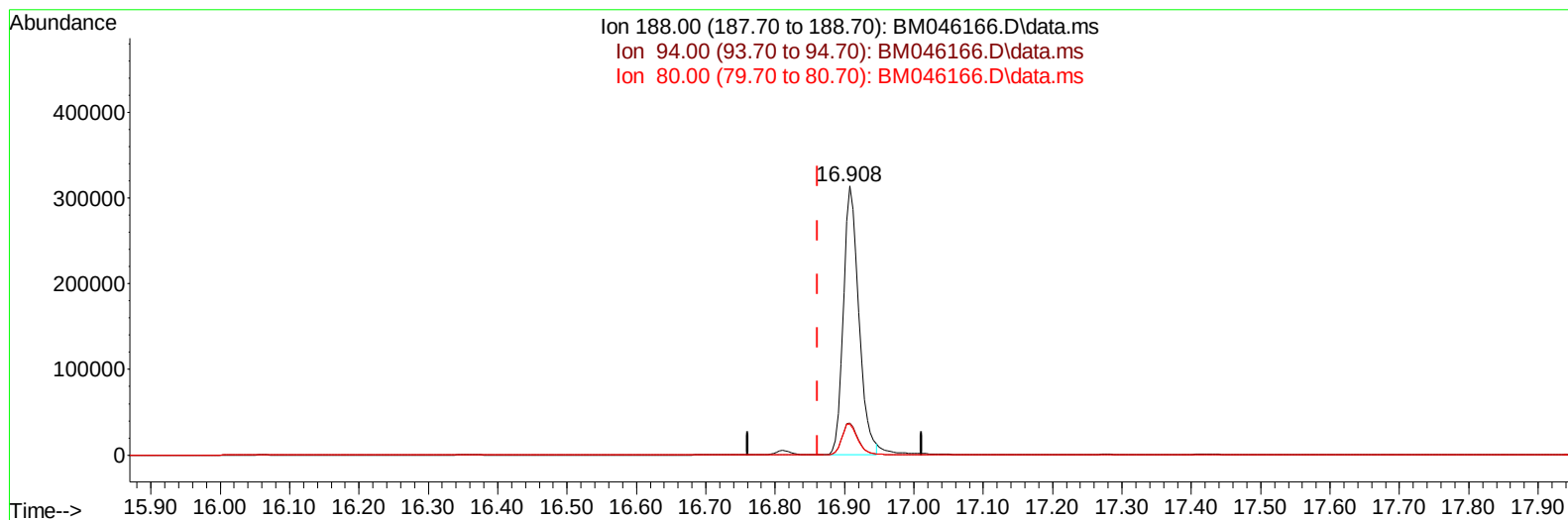
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046166.D
Acq On : 21 Jun 2024 18:52
Operator : MA/JU
Sample : P2754-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ5

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:34 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: BM046166.D\data.ms

(13) Phenanthrene-d10 (I)

16.908min (+ 0.046) 0.40 ng/u1

response 483575

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.02
80.00	15.20	11.40#
0.00	0.00	0.00

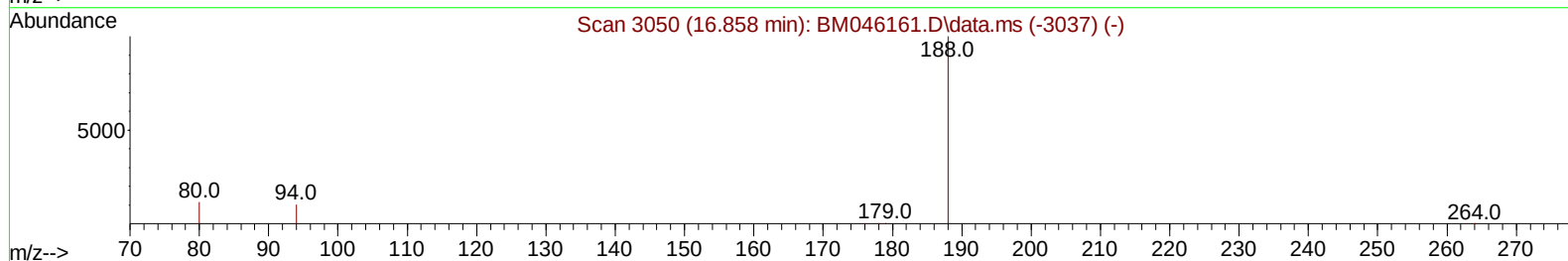
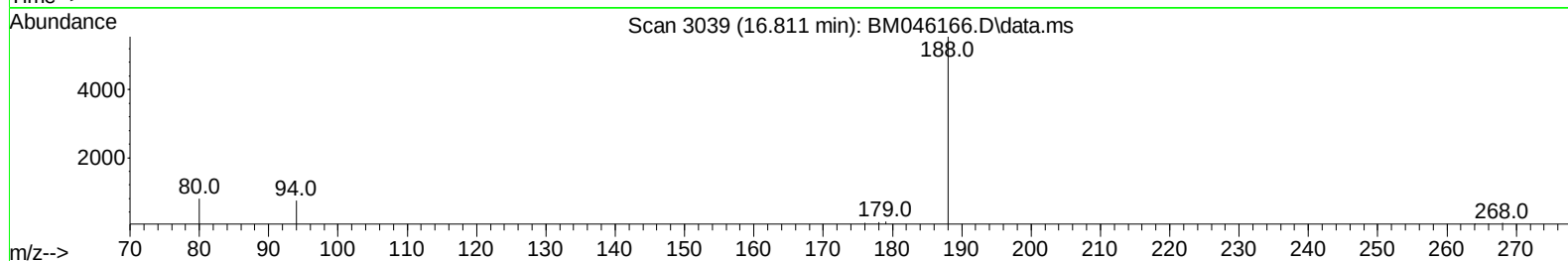
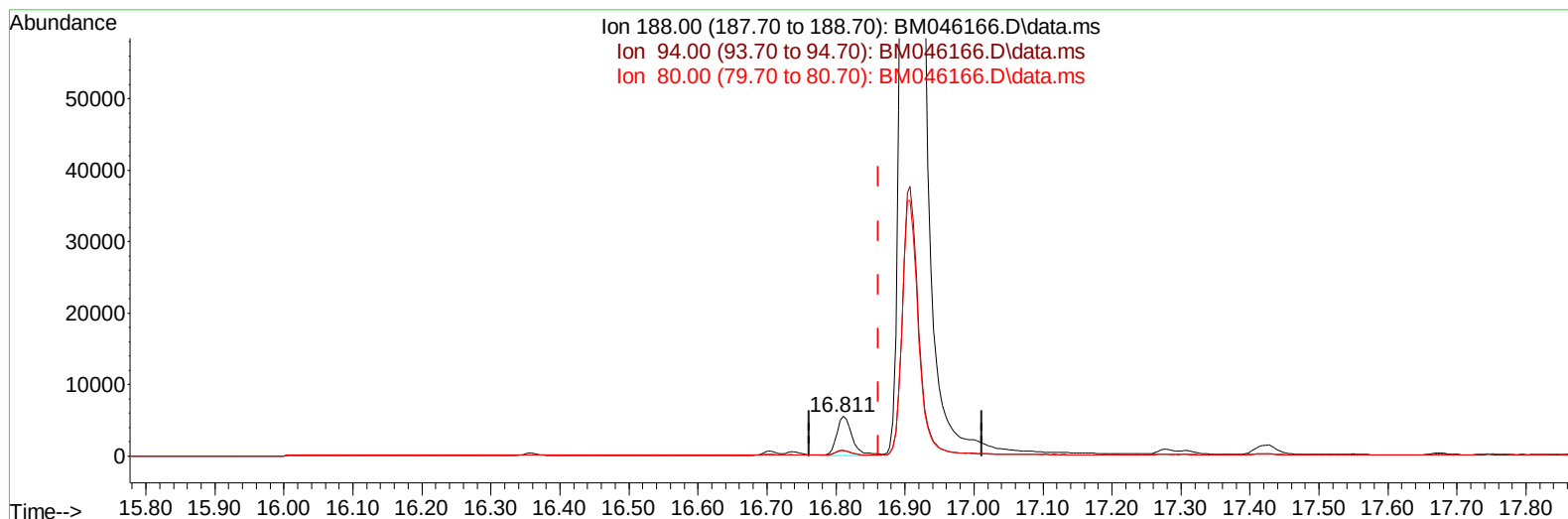
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046166.D
Acq On : 21 Jun 2024 18:52
Operator : MA/JU
Sample : P2754-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ5

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:34 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: BM046166.D\data.ms

(13) Phenanthrene-d10 (I)

16.811min (-0.051) 0.40 ng/ul m

response 8405

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	13.41
80.00	15.20	14.51
0.00	0.00	0.00

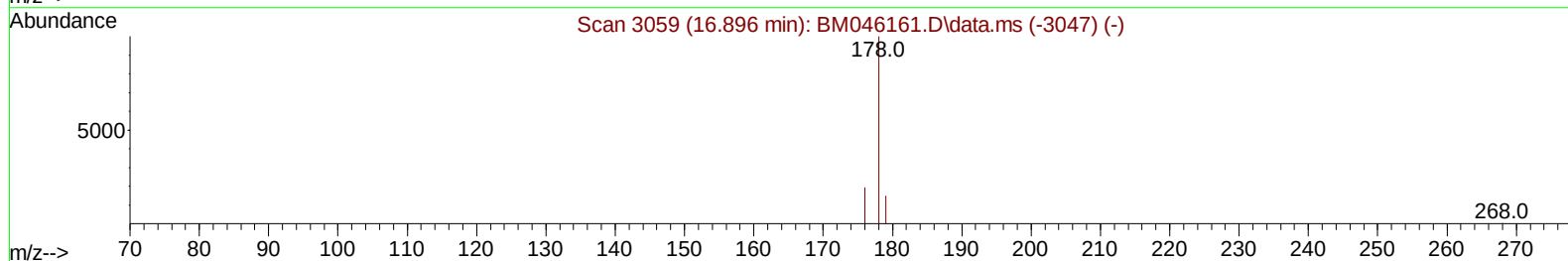
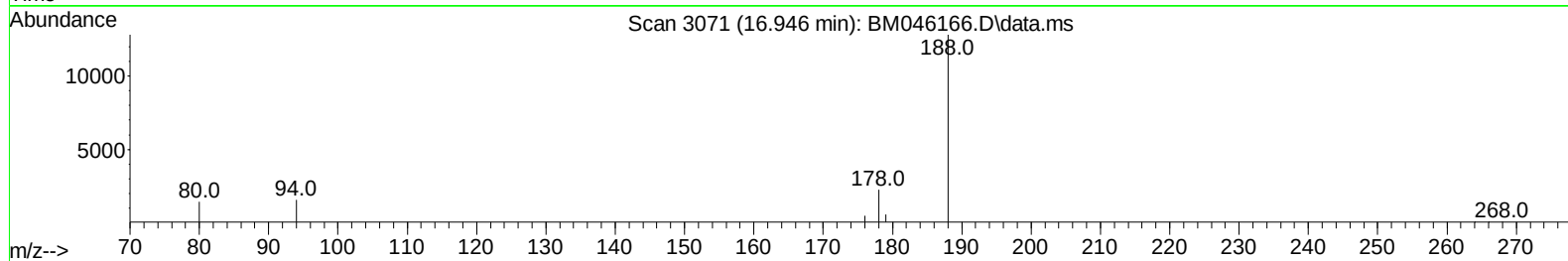
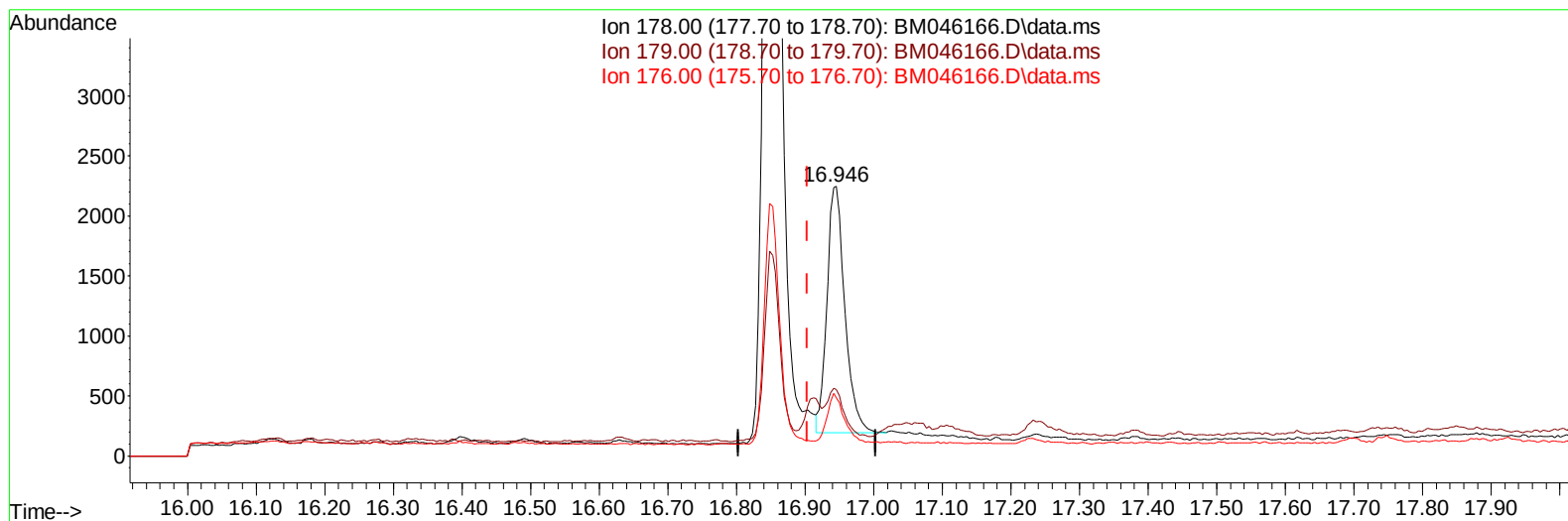
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046166.D
Acq On : 21 Jun 2024 18:52
Operator : MA/JU
Sample : P2754-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ5

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:34 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
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046166.D\data.ms

(15) Phenanthrene

16.946min (+ 0.042) 0.16 ng/u1

response 3715

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	24.71#
176.00	21.40	21.68
0.00	0.00	0.00

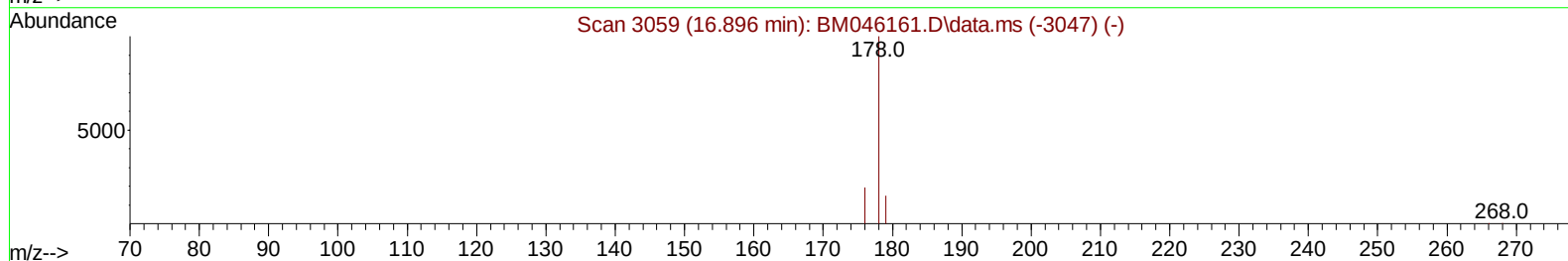
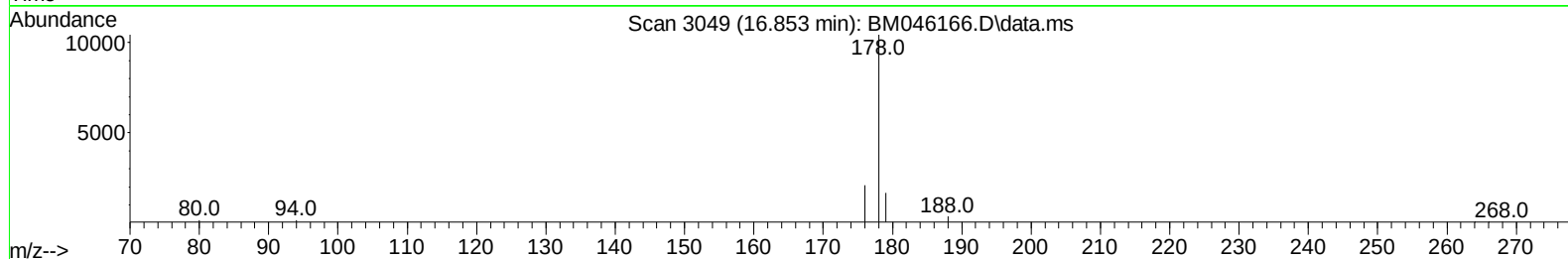
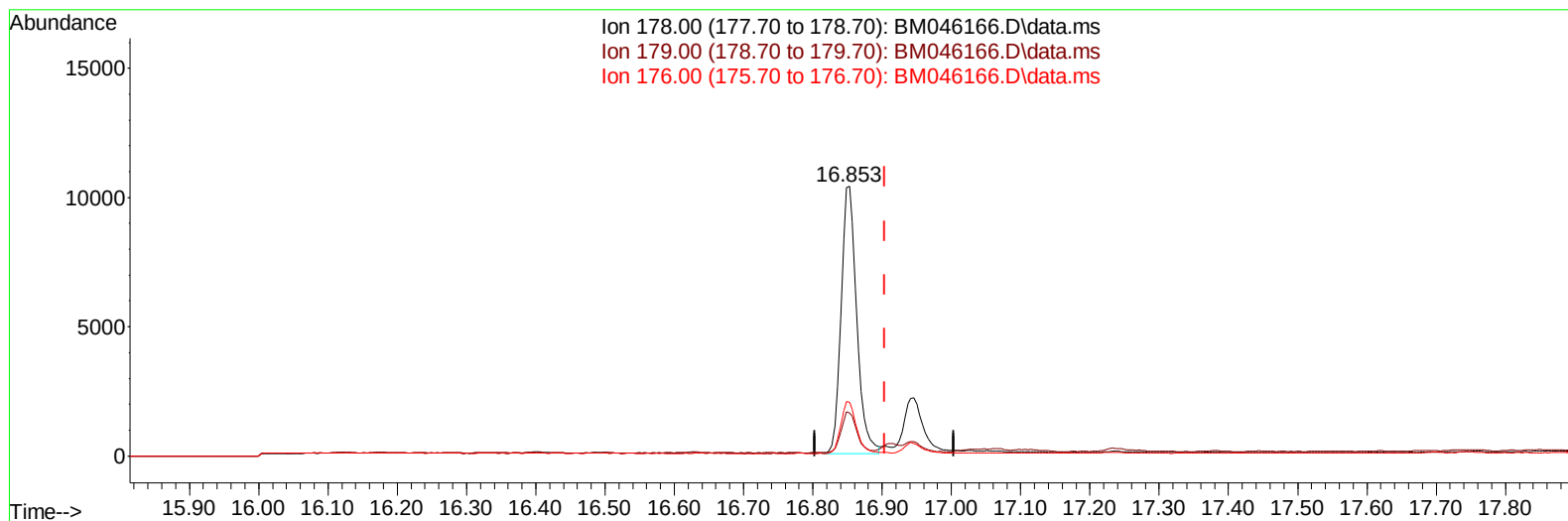
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046166.D
Acq On : 21 Jun 2024 18:52
Operator : MA/JU
Sample : P2754-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ5

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:34 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: BM046166.D\data.ms

(15) Phenanthrene

16.853min (-0.051) 0.69 ng/ul m

response 16191

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	16.03
176.00	21.40	19.94
0.00	0.00	0.00

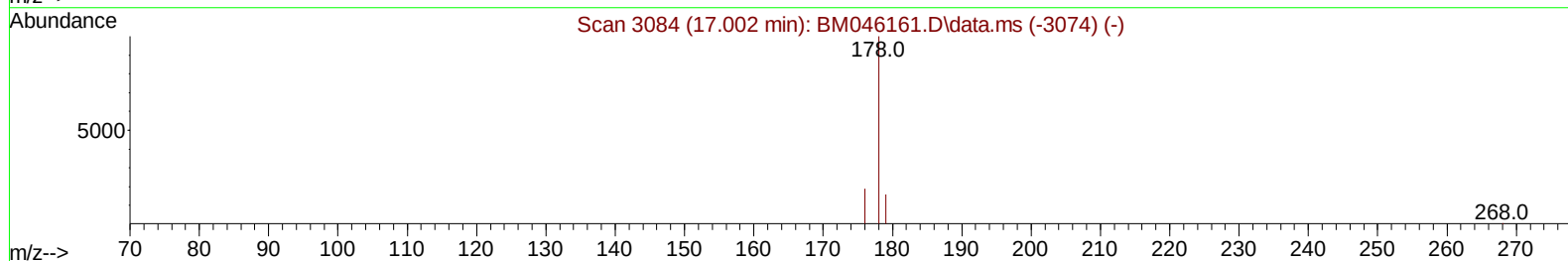
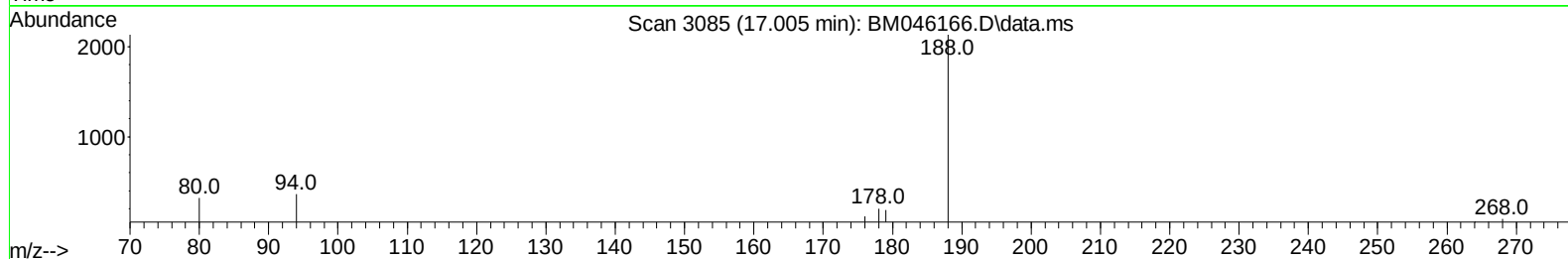
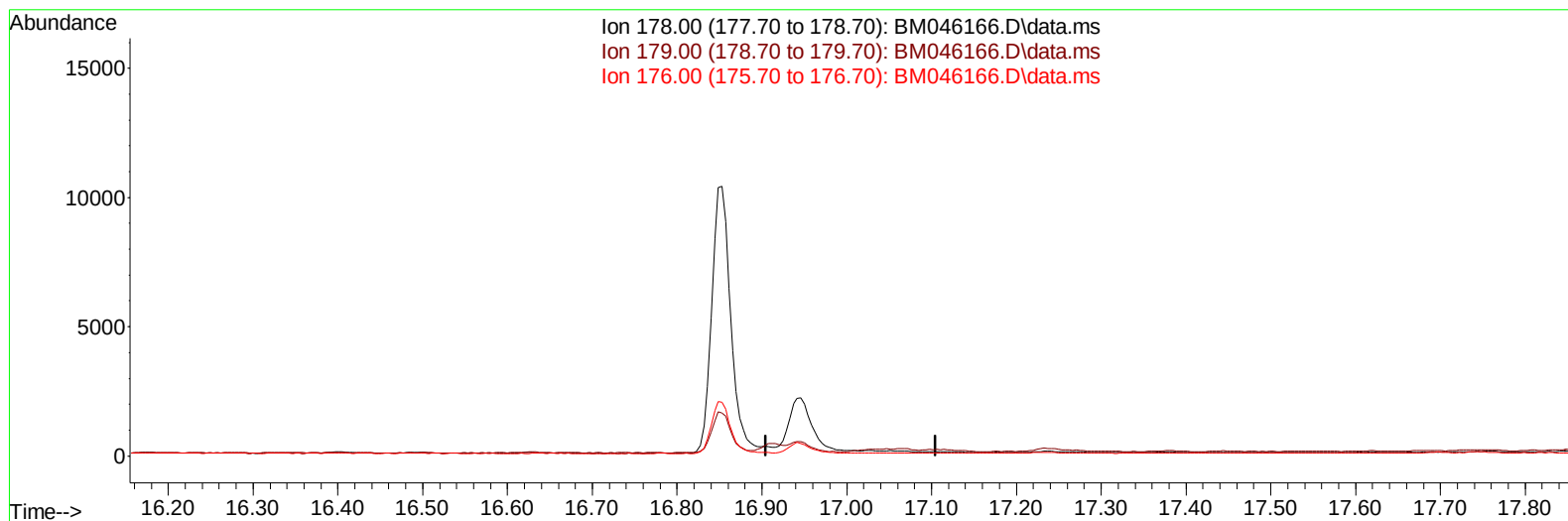
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046166.D
Acq On : 21 Jun 2024 18:52
Operator : MA/JU
Sample : P2754-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ5

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:34 2024
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Supervised By :mohammad ahmed 06/24/2024



TIC: BM046166.D\data.ms

(16) Anthracene

17.005min (-17.005) 0.00 ng/ul

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

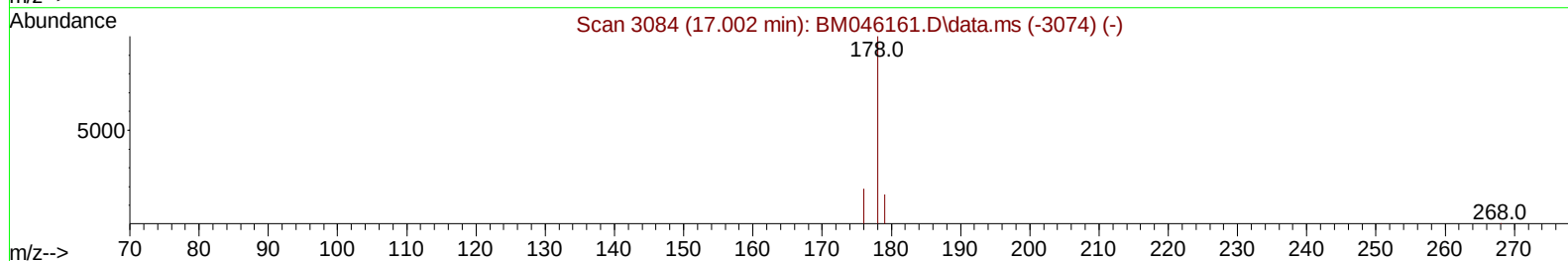
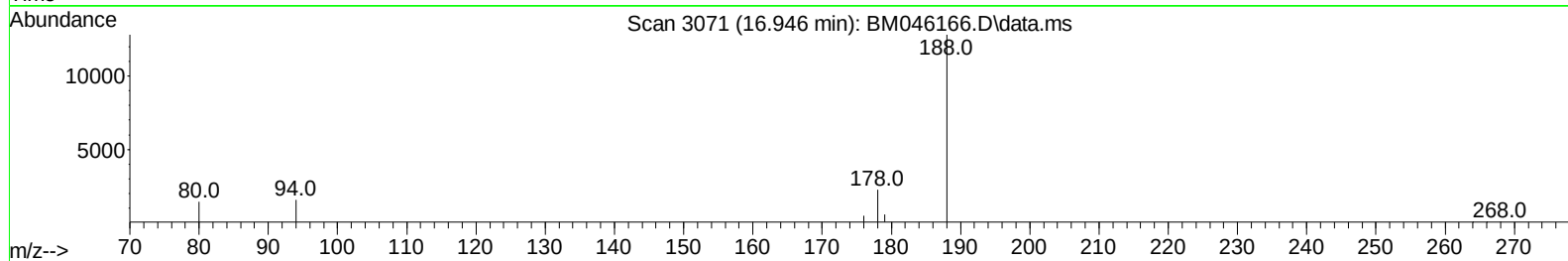
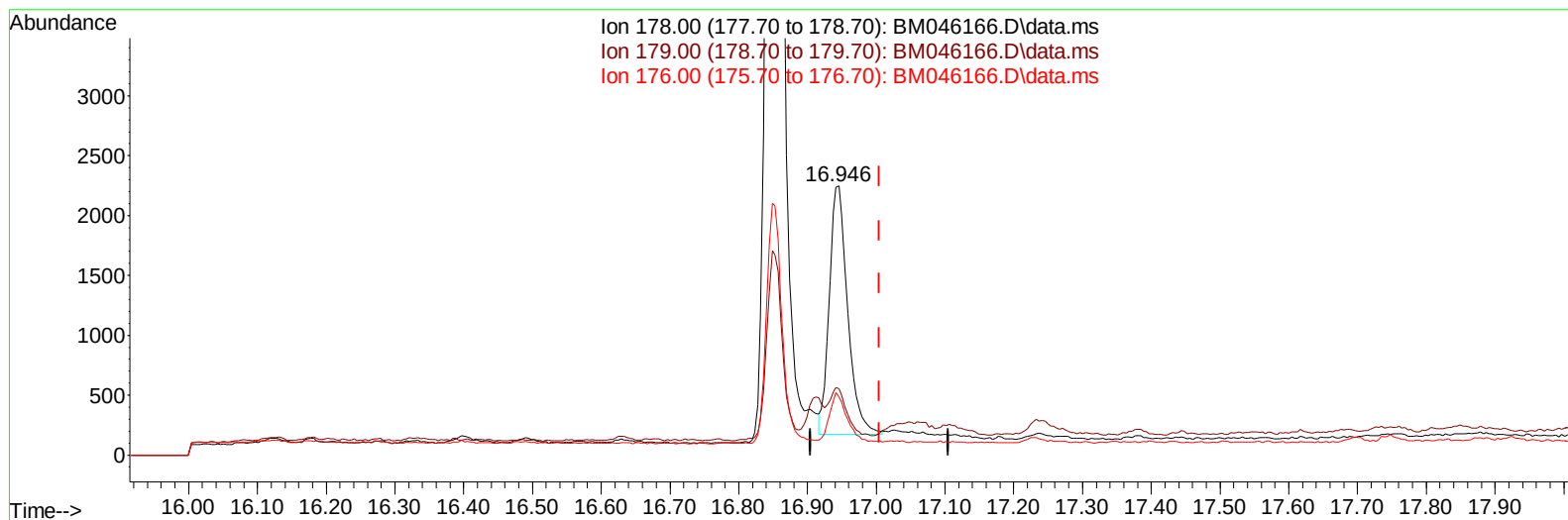
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046166.D
Acq On : 21 Jun 2024 18:52
Operator : MA/JU
Sample : P2754-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ5

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:34 2024
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Supervised By :mohammad ahmed 06/24/2024



TIC: BM046166.D\data.ms

(16) Anthracene

16.946min (-0.059) 0.22 ng/ul m

response 3837

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	24.71#
176.00	21.20	21.68
0.00	0.00	0.00

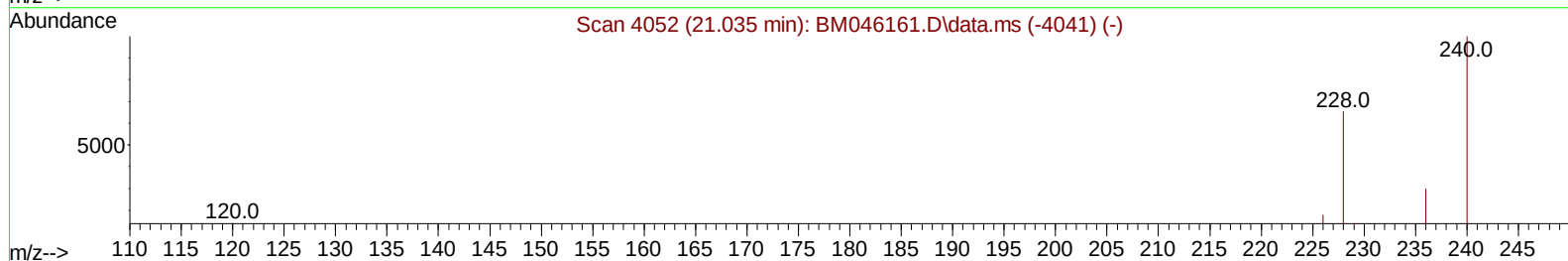
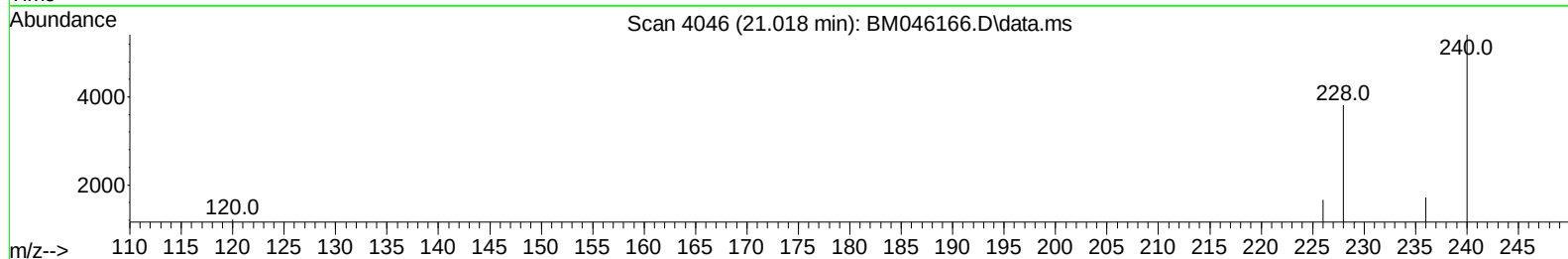
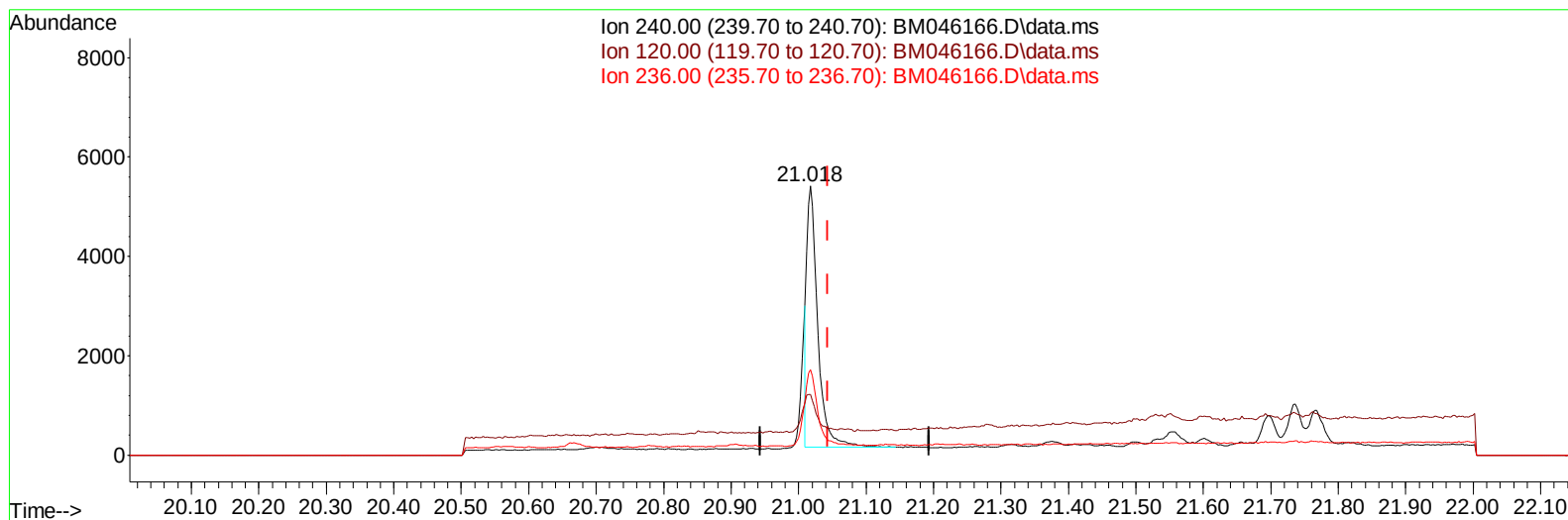
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046166.D
Acq On : 21 Jun 2024 18:52
Operator : MA/JU
Sample : P2754-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ5

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:34 2024
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TIC: BM046166.D\data.ms

(17) Chrysene-d12

21.018min (-0.026) 0.40 ng/u1

response 6090

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	22.50
236.00	33.60	31.85
0.00	0.00	0.00

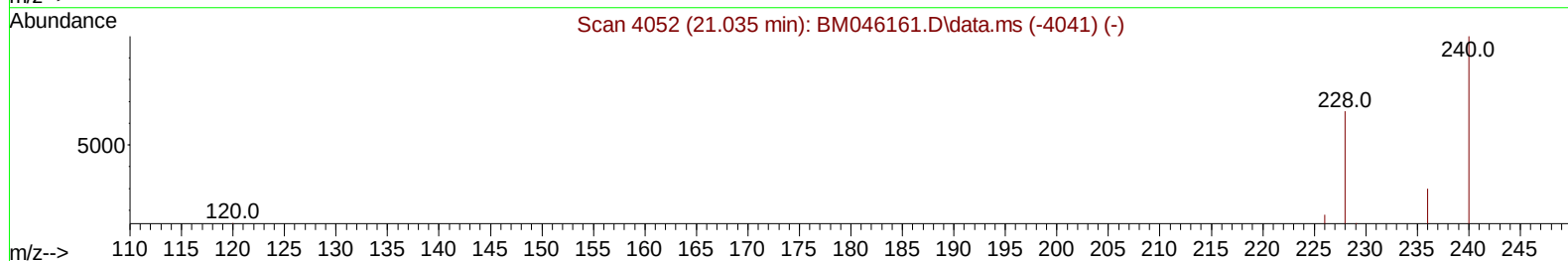
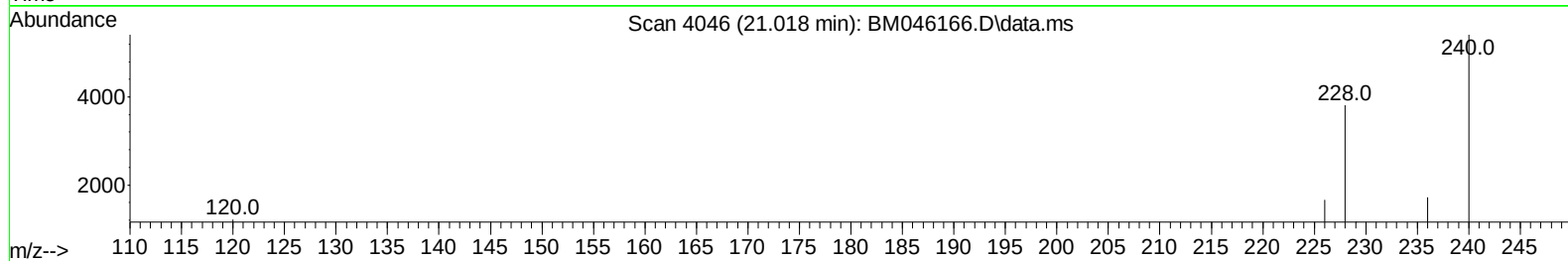
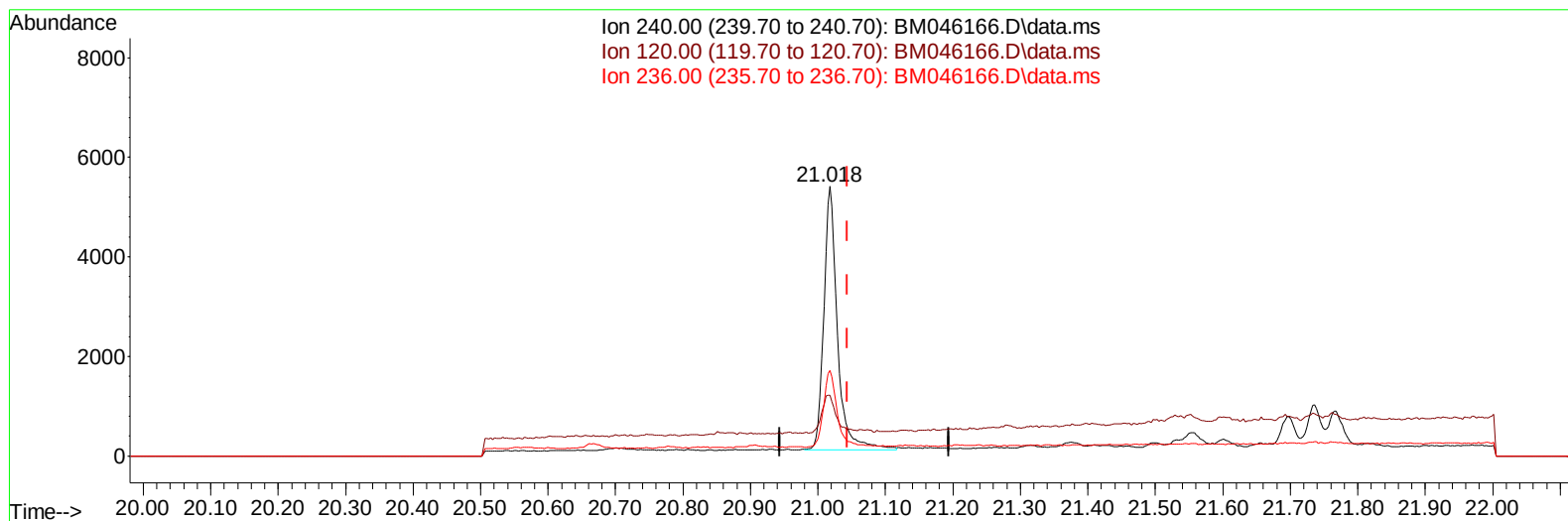
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046166.D
Acq On : 21 Jun 2024 18:52
Operator : MA/JU
Sample : P2754-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ5

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:34 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: BM046166.D\data.ms

(17) Chrysene-d12

21.018min (-0.026) 0.40 ng/ul m

response 7417

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	22.50
236.00	33.60	31.85
0.00	0.00	0.00

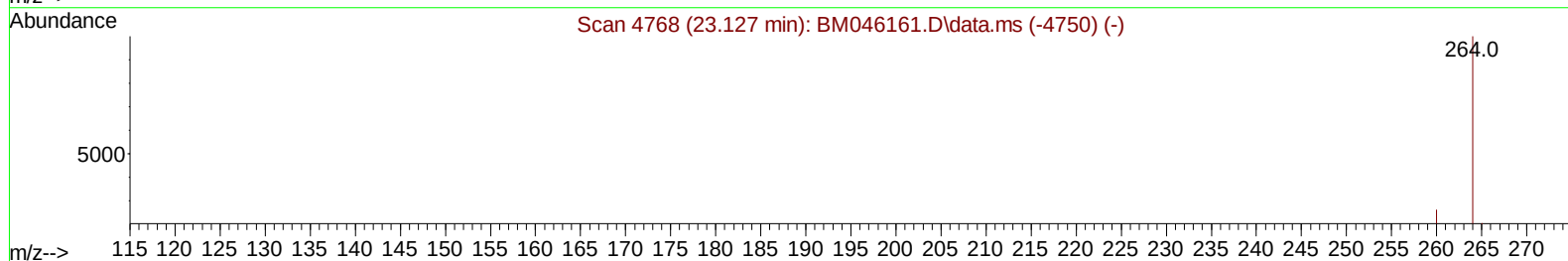
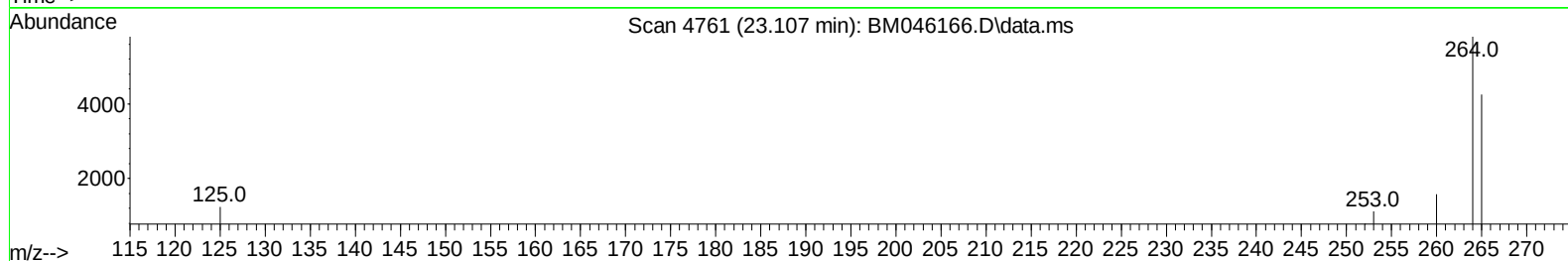
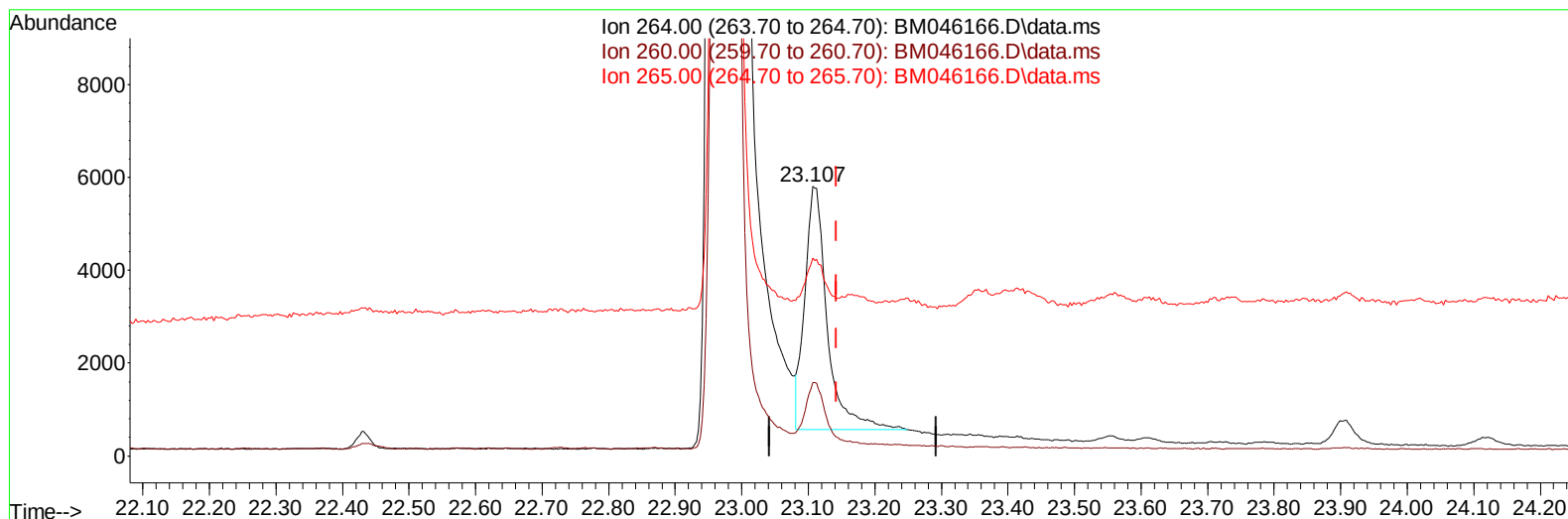
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046166.D
Acq On : 21 Jun 2024 18:52
Operator : MA/JU
Sample : P2754-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ5

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:34 2024
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Supervised By :mohammad ahmed 06/24/2024



TIC: BM046166.D\data.ms

(23) Perylene-d12 (I)

23.107min (-0.035) 0.40 ng/u1

response 12289

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.37
265.00	110.60	73.44#
0.00	0.00	0.00

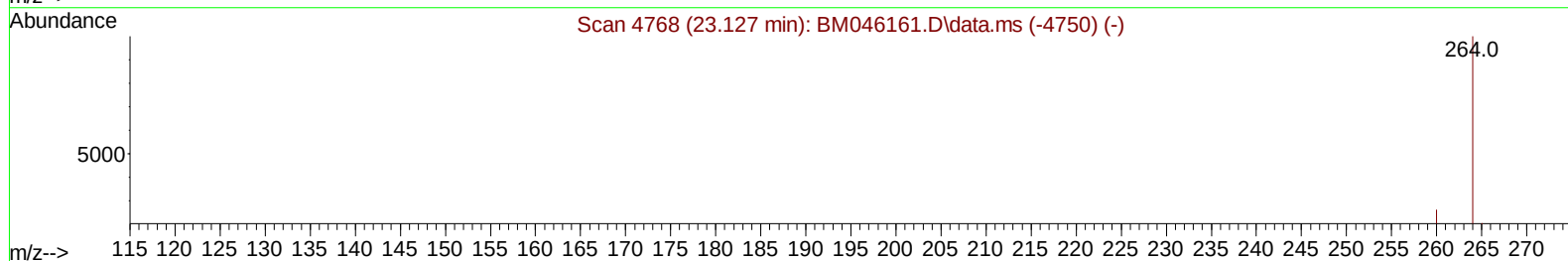
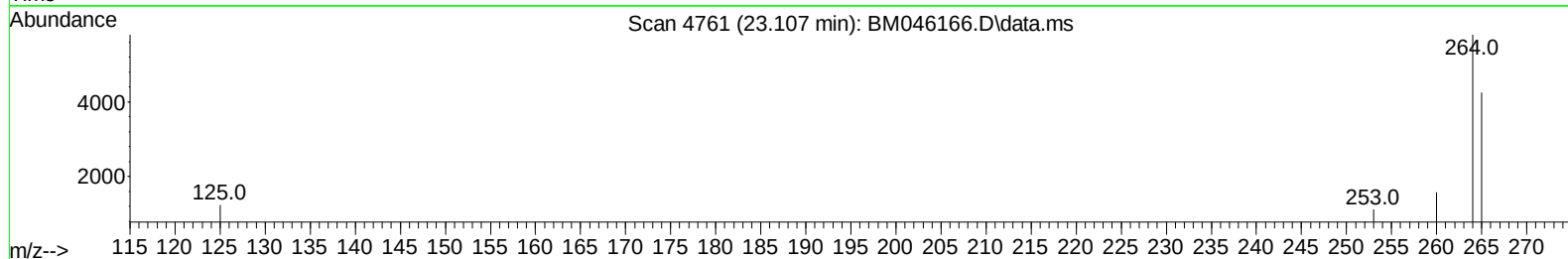
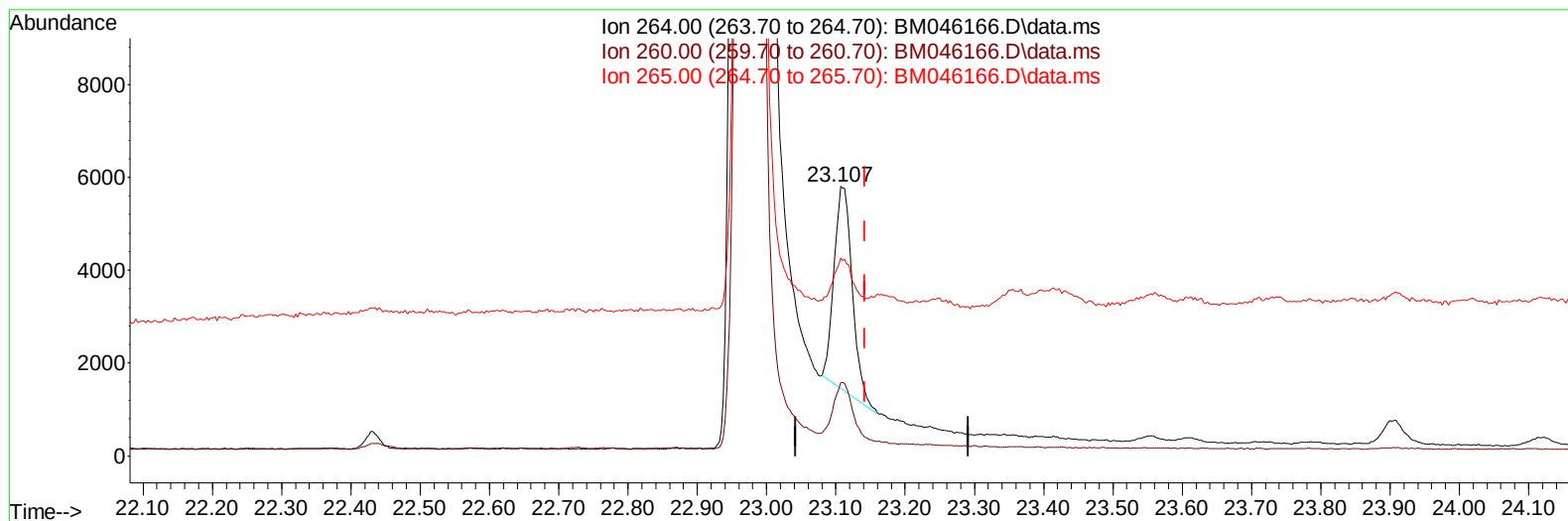
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046166.D
Acq On : 21 Jun 2024 18:52
Operator : MA/JU
Sample : P2754-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ5

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:34 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
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046166.D\data.ms

(23) Perylene-d12 (I)

23.107min (-0.035) 0.40 ng/ul m

response 7953

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.37
265.00	110.60	73.44#
0.00	0.00	0.00

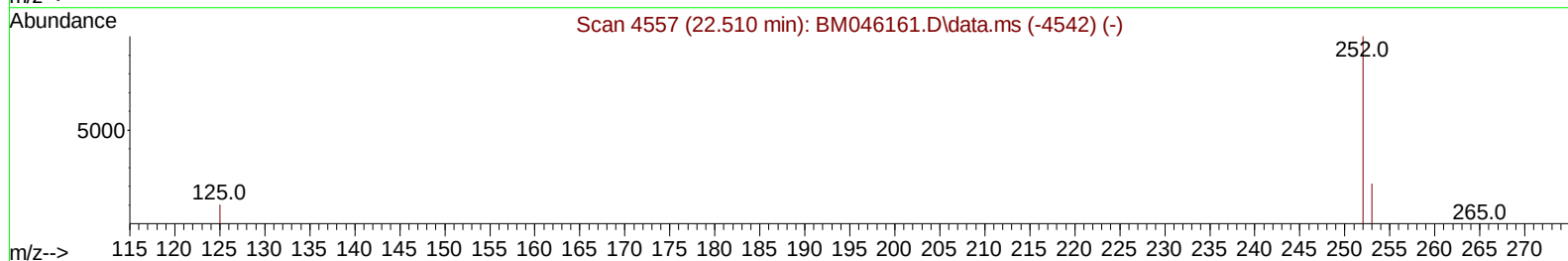
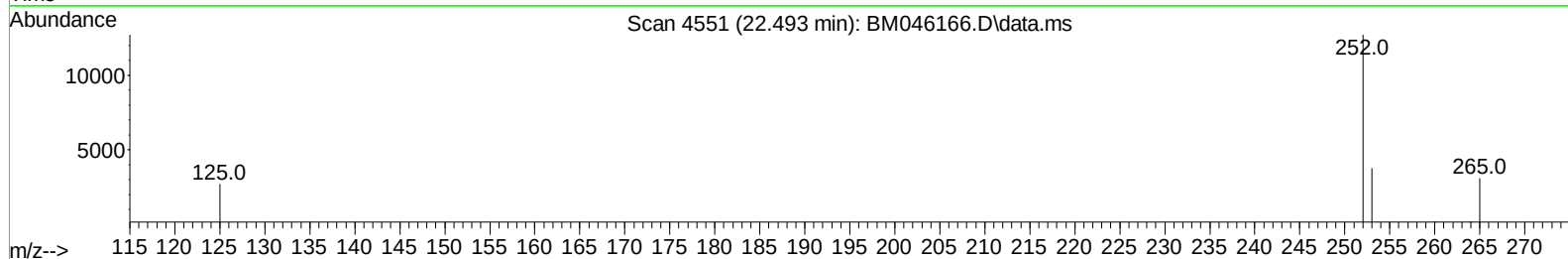
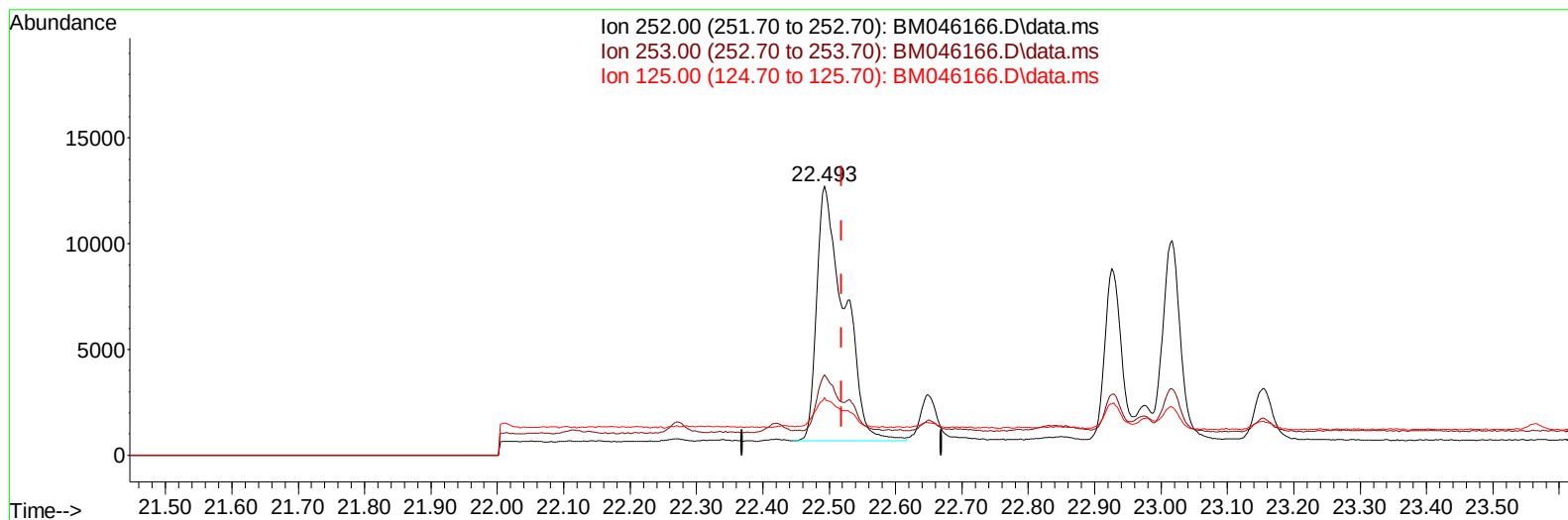
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046166.D
Acq On : 21 Jun 2024 18:52
Operator : MA/JU
Sample : P2754-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ5

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 06/24/2024



TIC: BM046166.D\data.ms

(24) Benzo(b)fluoranthene

22.493min (-0.026) 1.21 ng/u l

response 34712

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	29.82
125.00	20.10	21.30
0.00	0.00	0.00

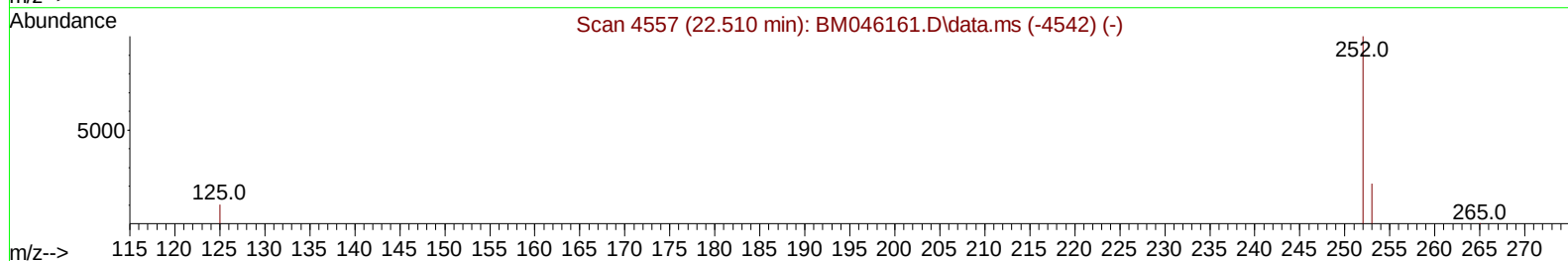
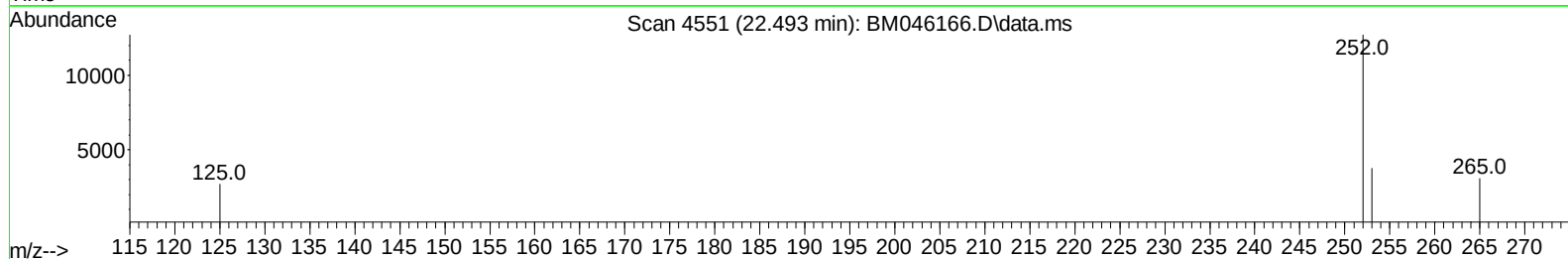
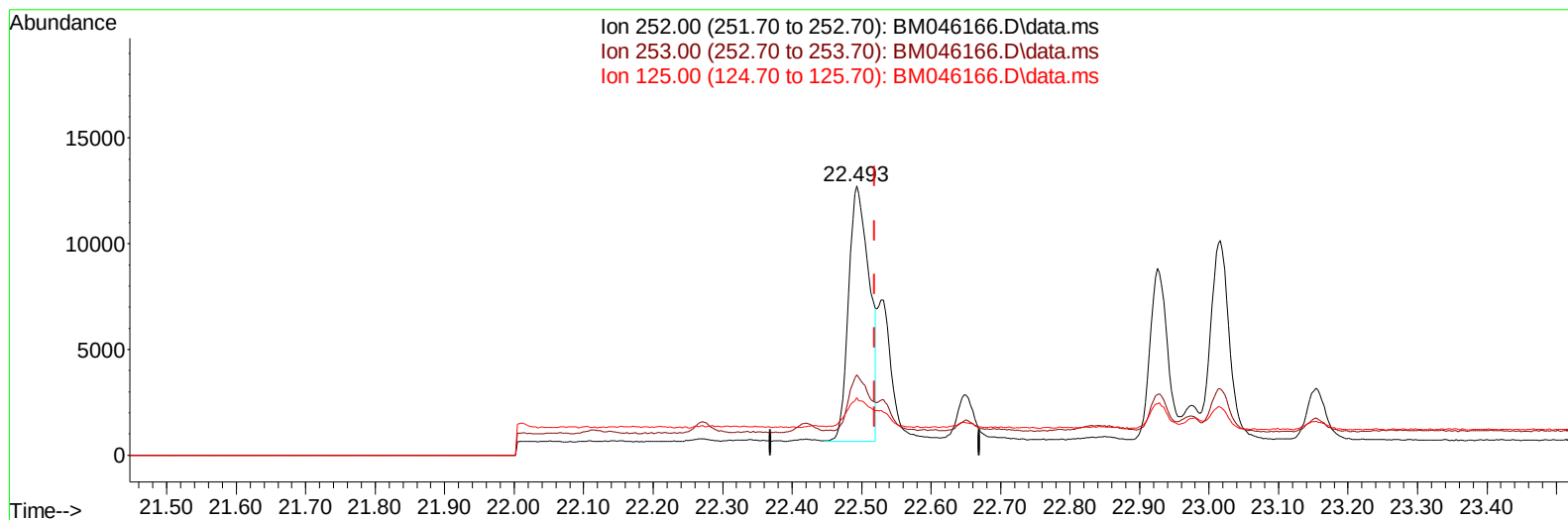
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046166.D
Acq On : 21 Jun 2024 18:52
Operator : MA/JU
Sample : P2754-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ5

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:34 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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Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046166.D\data.ms

(24) Benzo(b)fluoranthene

22.493min (-0.026) 0.87 ng/ul m

response 24859

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	29.82
125.00	20.10	21.30
0.00	0.00	0.00

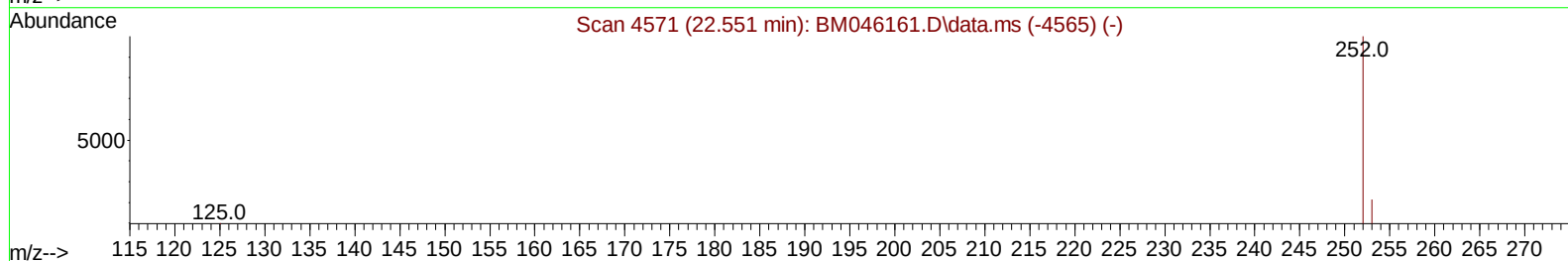
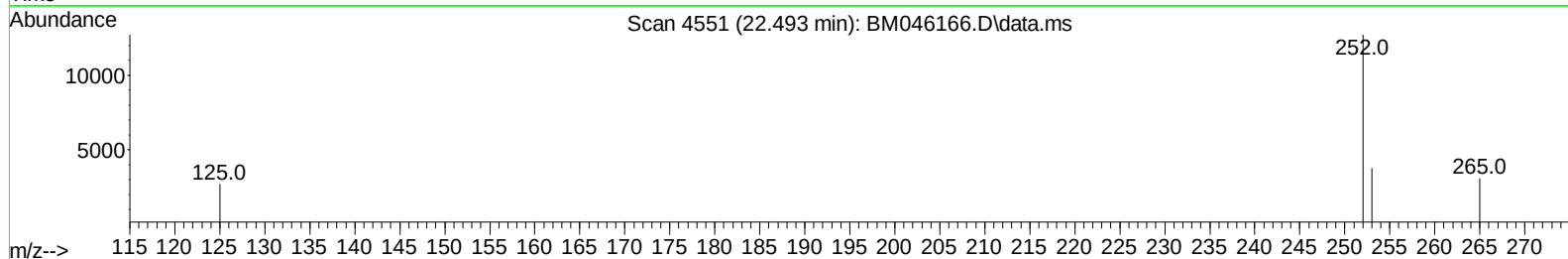
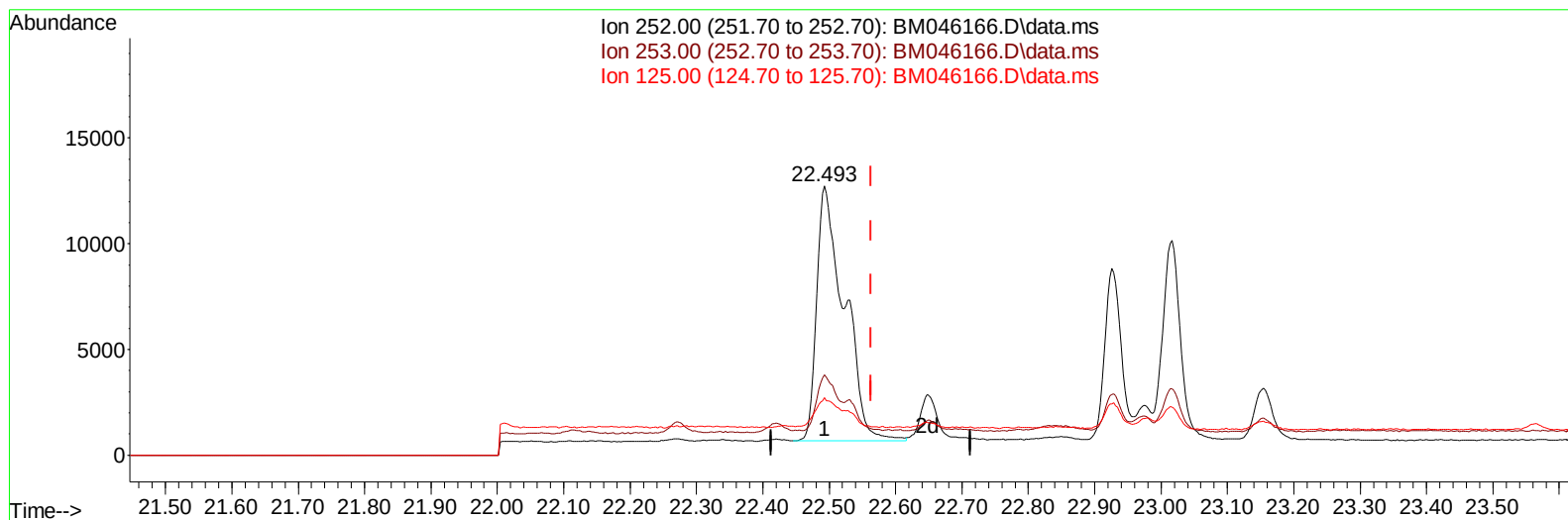
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046166.D
Acq On : 21 Jun 2024 18:52
Operator : MA/JU
Sample : P2754-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ5

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:34 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 :mohammad ahmed 06/24/2024



TIC: BM046166.D\data.ms

(25) Benzo(k)fluoranthene

22.493min (-0.070) 1.02 ng/u l

response 34712

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	29.82
125.00	20.80	21.30
0.00	0.00	0.00

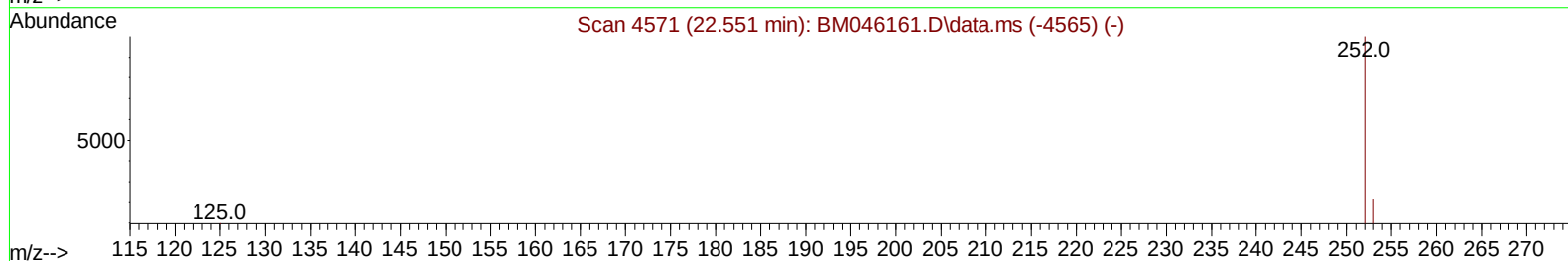
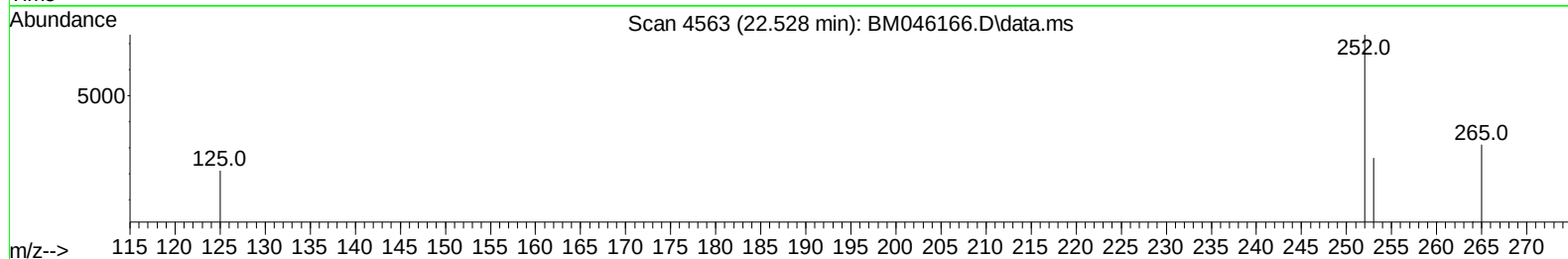
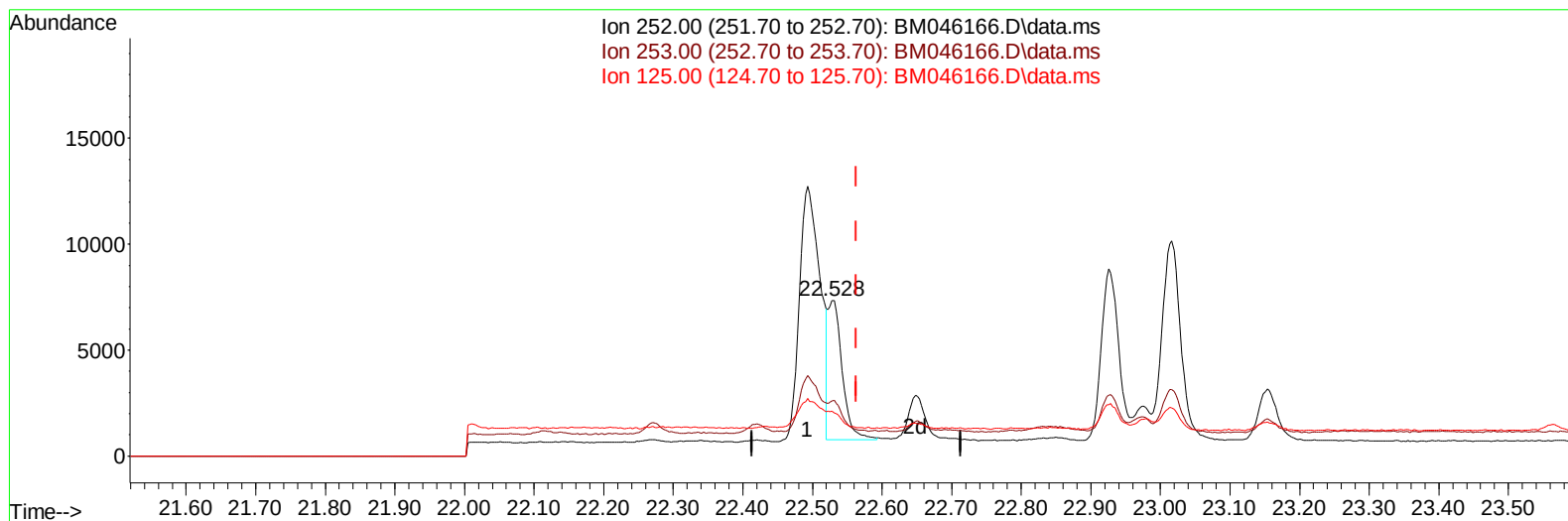
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046166.D
Acq On : 21 Jun 2024 18:52
Operator : MA/JU
Sample : P2754-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ5

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:34 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: BM046166.D\data.ms

(25) Benzo(k)fluoranthene

22.528min (-0.035) 0.28 ng/u1 m

response 9399

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	35.46
125.00	20.80	28.95#
0.00	0.00	0.00

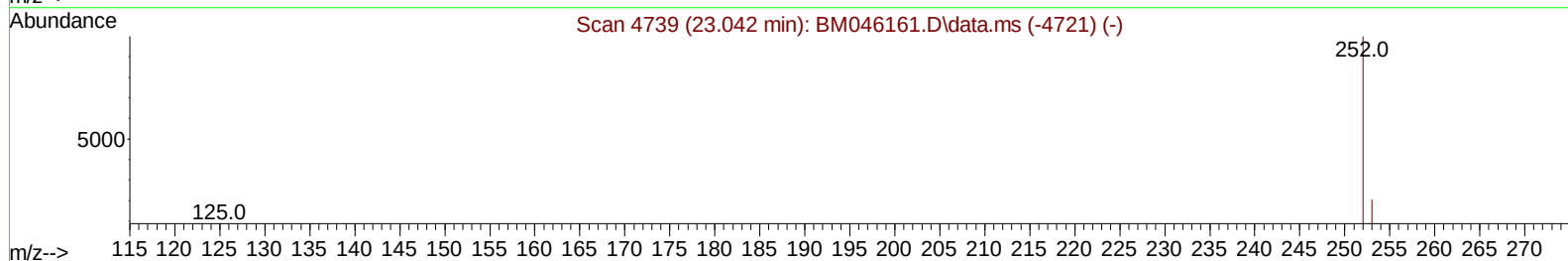
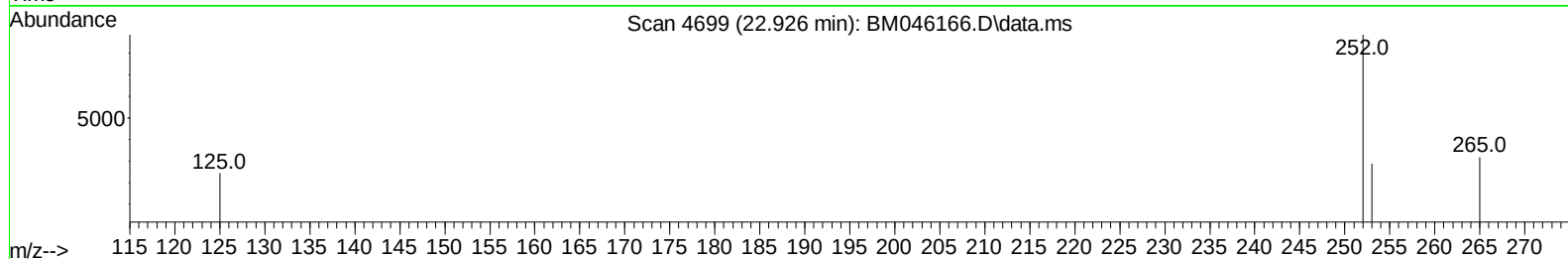
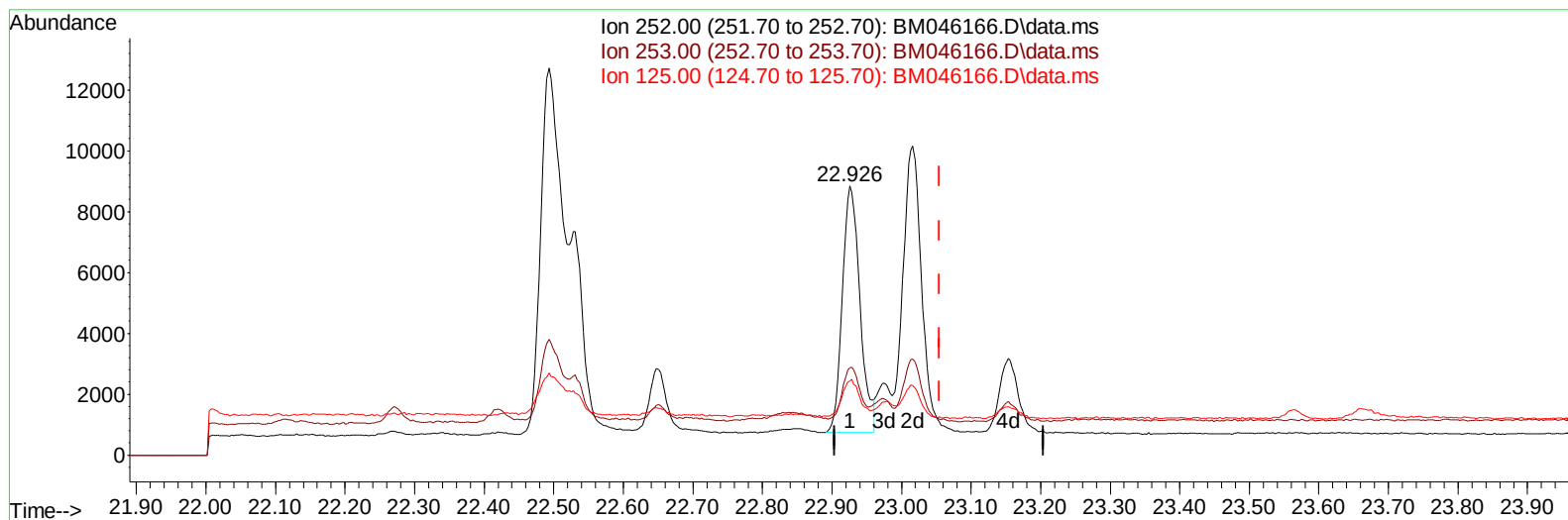
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
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TIC: BM046166.D\data.ms

(26) Benzo(a)pyrene (C)

22.926min (-0.129) 0.54 ng/u1

response 14352

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	40.10	32.53
125.00	26.50	27.41
0.00	0.00	0.00

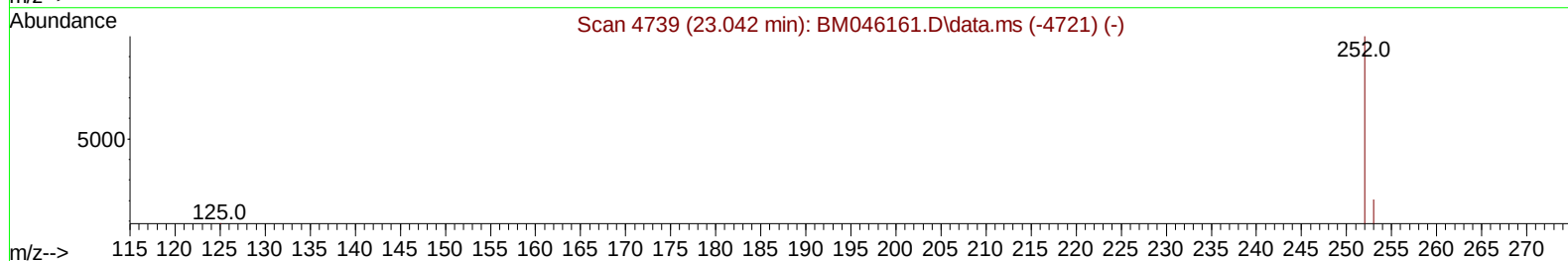
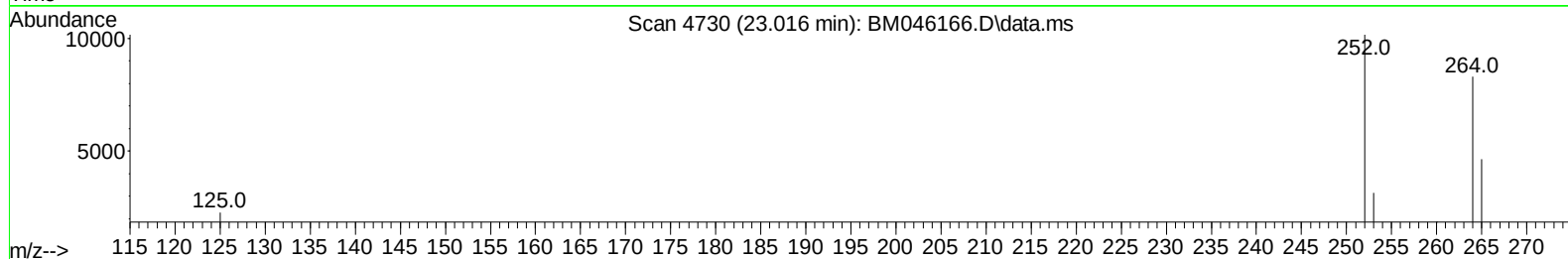
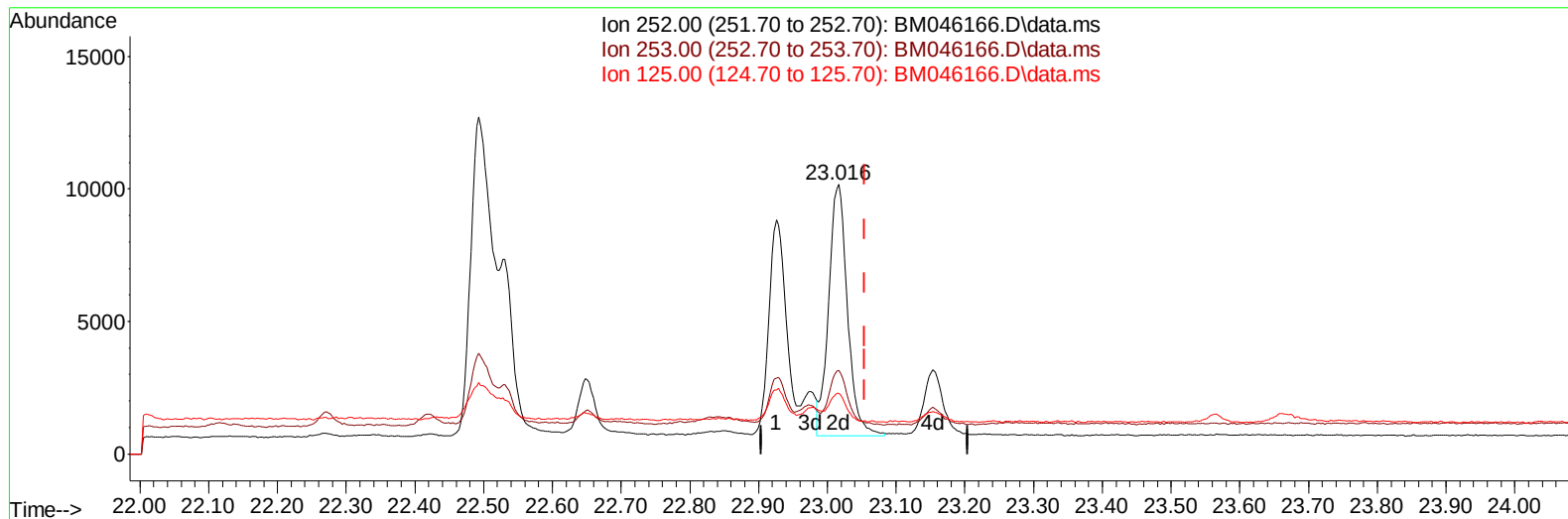
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046166.D
Acq On : 21 Jun 2024 18:52
Operator : MA/JU
Sample : P2754-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ5

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:34 2024
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TIC: BM046166.D\data.ms

(26) Benzo(a)pyrene (C)

23.016min (-0.038) 0.68 ng/u1 m

response 18104

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	40.10	30.97#
125.00	26.50	22.44
0.00	0.00	0.00

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 Data File : BM046166.D
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 Operator : MA/JU
 Sample : P2754-12
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BQ5

Manual IntegrationsAPPROVED

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.417	152		2335	0.400	ng/ul	-0.05
4) Naphthalene-d8	10.193	136		7037	0.400	ng/ul	-0.06
9) Acenaphthene-d10	14.070	164		3896	0.400	ng/ul	#-0.04
13) Phenanthrene-d10	16.811	188		8405m	0.400	ng/ul	-0.05
17) Chrysene-d12	21.018	240		7417m	0.400	ng/ul	-0.03
23) Perylene-d12	23.107	264		7953m	0.400	ng/ul	-0.04
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.029	96		12787	3.991	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	11.820	152		2690	0.285	ng/ul	-0.04
18) Fluoranthene-d10	18.847	212		6184	0.278	ng/ul	-0.04
Target Compounds							
							Qvalue
5) Naphthalene	10.237	128		900	0.046	ng/ul#	75
7) 2-Methylnaphthalene	11.892	142		311	0.028	ng/ul	99
10) Acenaphthylene	13.784	152		2027	0.110	ng/ul#	85
11) Acenaphthene	14.131	153		713	0.053	ng/ul#	93
12) Fluorene	15.125	166		880	0.061	ng/ul#	96
15) Phenanthrene	16.853	178		16191m	0.686	ng/ul	
16) Anthracene	16.946	178		3837m	0.218	ng/ul	
19) Fluoranthene	18.875	202		34658	1.079	ng/ul	98
20) Pyrene	19.238	202		34959	1.007	ng/ul	98
21) Benzo(a)anthracene	21.000	228		17882	0.624	ng/ul	97
22) Chrysene	21.053	228		16786	0.459	ng/ul	97
24) Benzo(b)fluoranthene	22.493	252		24859m	0.868	ng/ul	
25) Benzo(k)fluoranthene	22.528	252		9399m	0.276	ng/ul	
26) Benzo(a)pyrene	23.016	252		18104m	0.682	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.165	276		14162	0.326	ng/ul#	88
28) Dibenzo(a,h)anthracene	25.165	278		3060	0.095	ng/ul#	57
29) Benzo(g,h,i)perylene	25.782	276		15244	0.409	ng/ul	98

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

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