

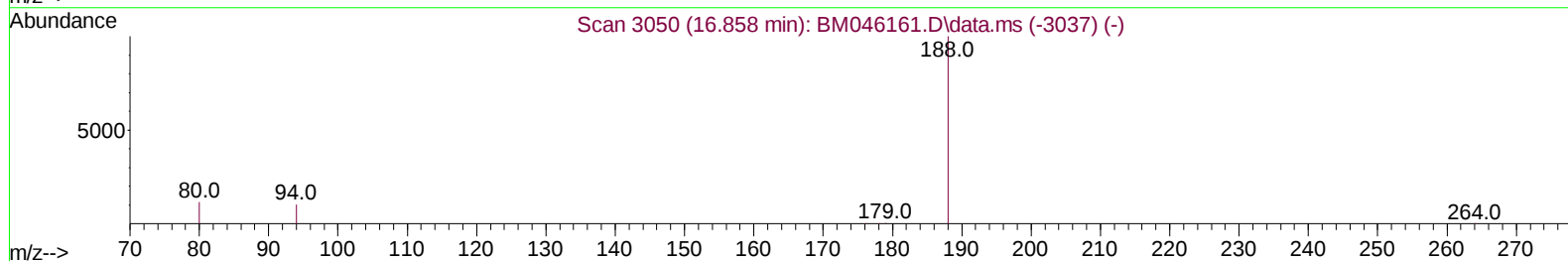
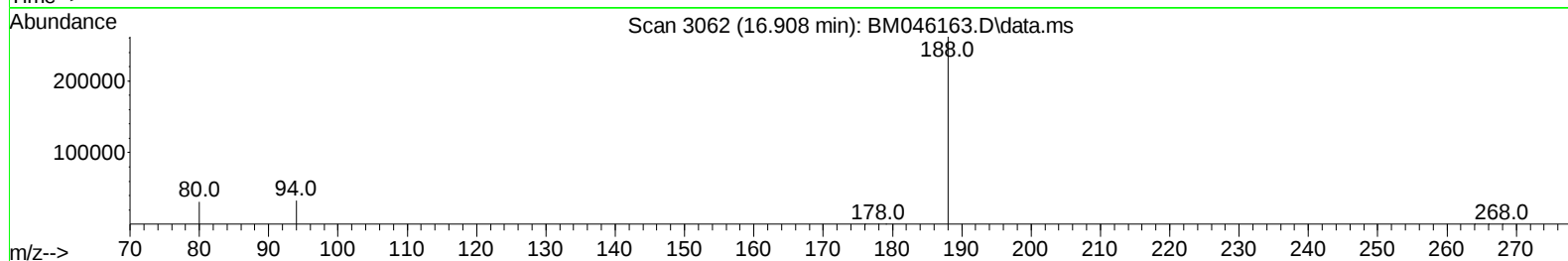
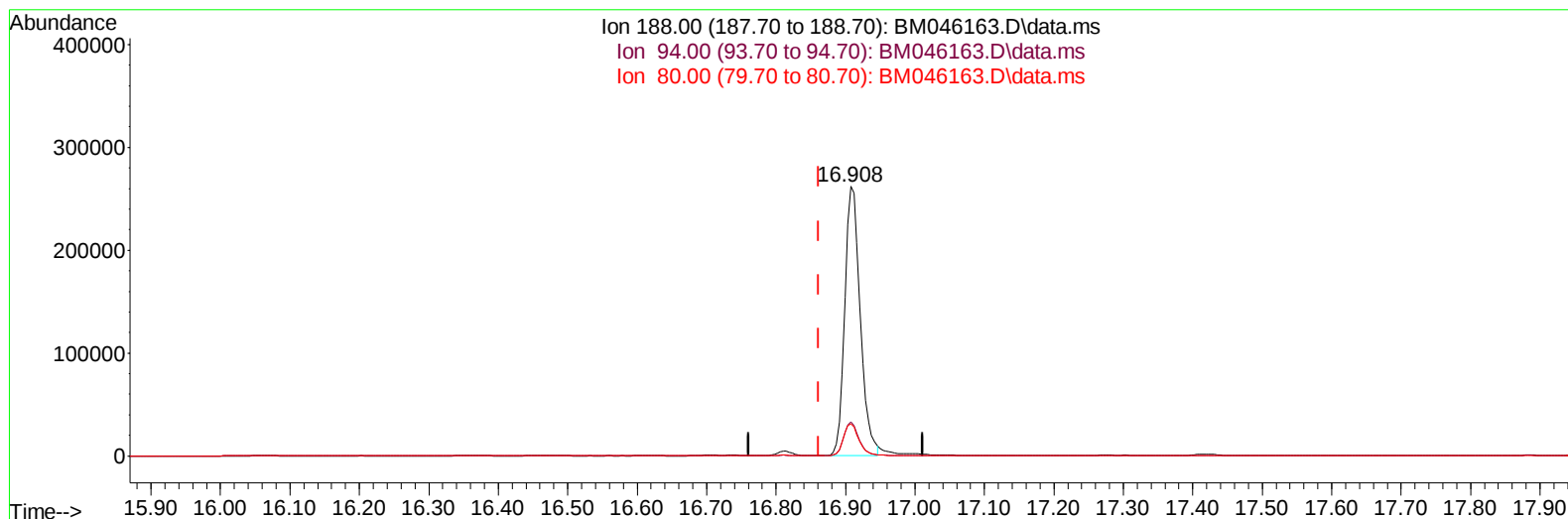
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046163.D
Acq On : 21 Jun 2024 17:00
Operator : MA/JU
Sample : P2754-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP8

Manual IntegrationsAPPROVED

Quant Time: Jun 21 17:36:42 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: BM046163.D\data.ms

(13) Phenanthrene-d10 (I)

16.908min (+ 0.046) 0.40 ng/u1

response 403744

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.64
80.00	15.20	12.04#
0.00	0.00	0.00

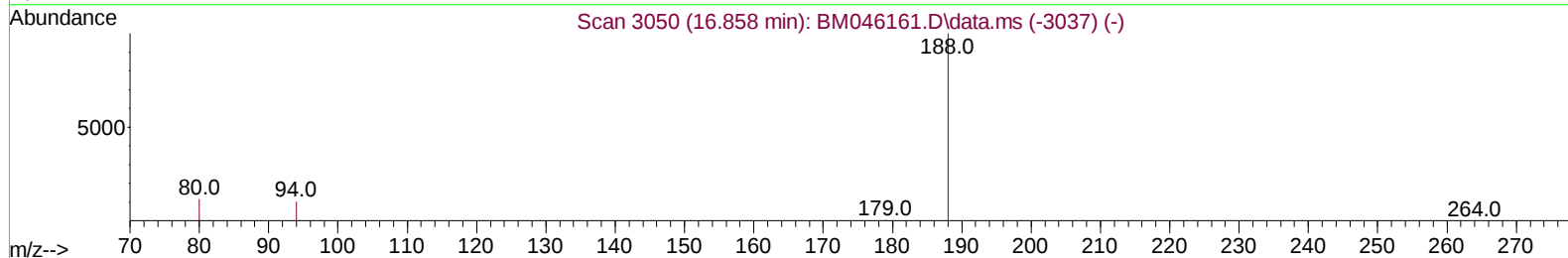
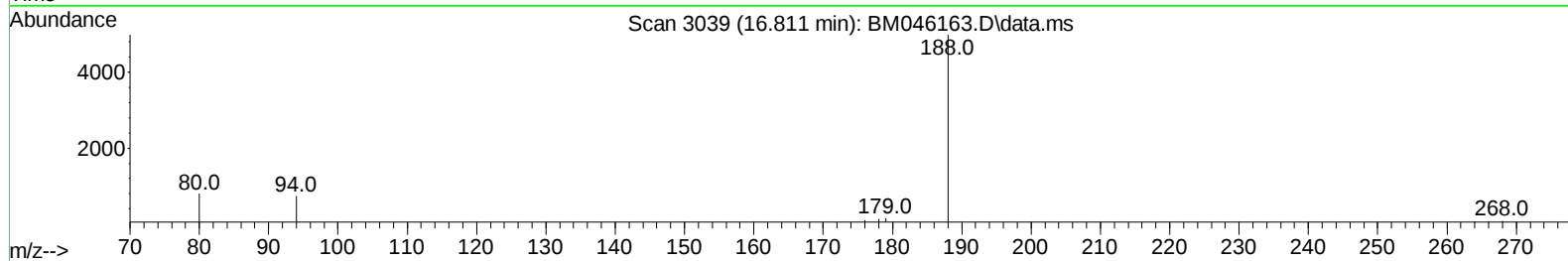
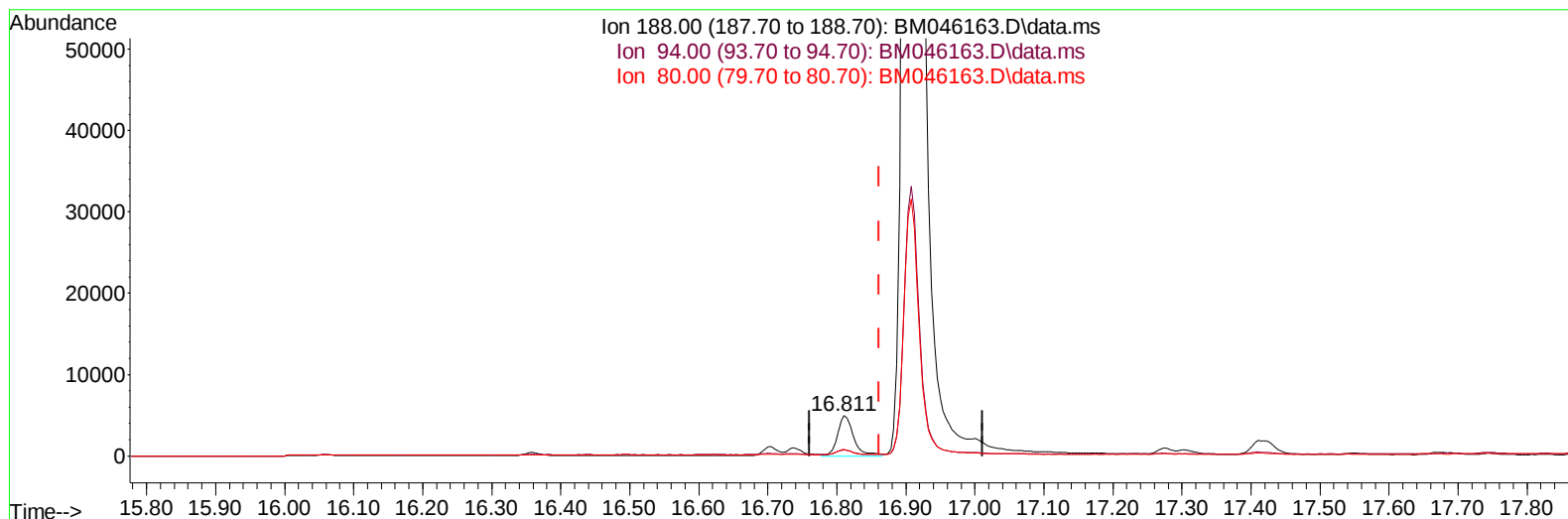
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046163.D
Acq On : 21 Jun 2024 17:00
Operator : MA/JU
Sample : P2754-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP8

Manual IntegrationsAPPROVED

Quant Time: Jun 21 17:36:42 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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Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046163.D\data.ms

(13) Phenanthrene-d10 (I)

16.811min (-0.051) 0.40 ng/u1 m

response 8057

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	14.73
80.00	15.20	16.04
0.00	0.00	0.00

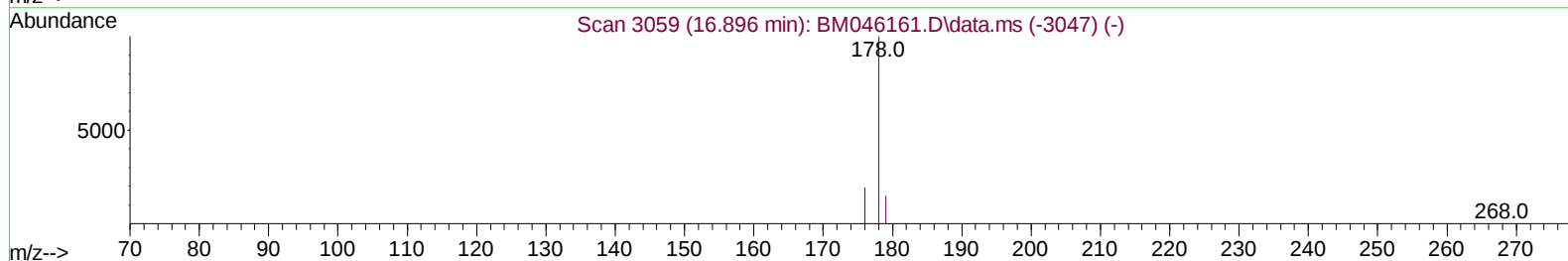
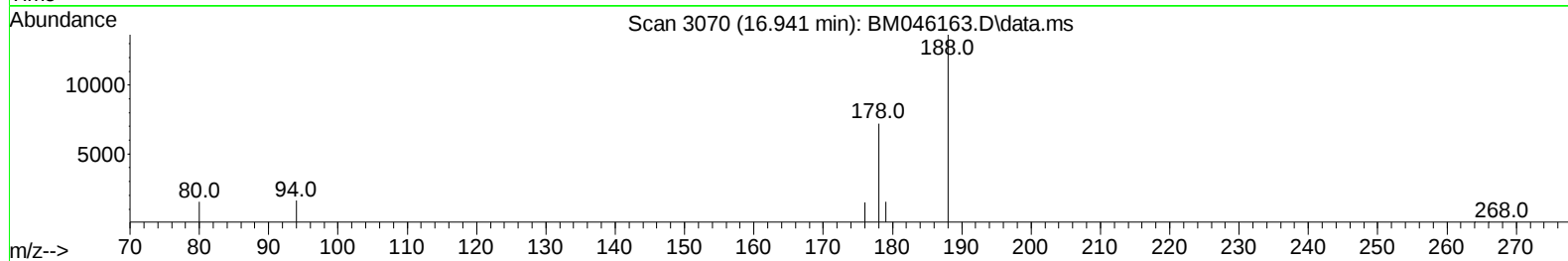
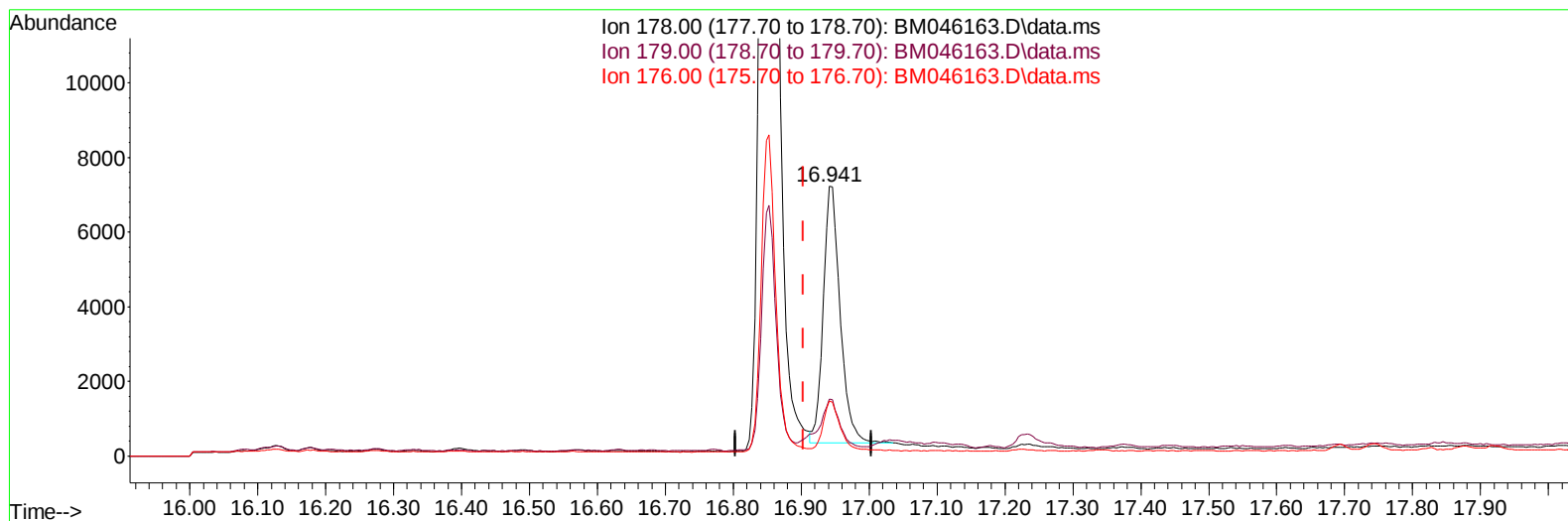
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046163.D
Acq On : 21 Jun 2024 17:00
Operator : MA/JU
Sample : P2754-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP8

Manual IntegrationsAPPROVED

Quant Time: Jun 21 17:36:42 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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Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046163.D\data.ms

(15) Phenanthrene

16.941min (+ 0.038) 0.52 ng/u1

response 11881

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	21.09
176.00	21.40	20.53
0.00	0.00	0.00

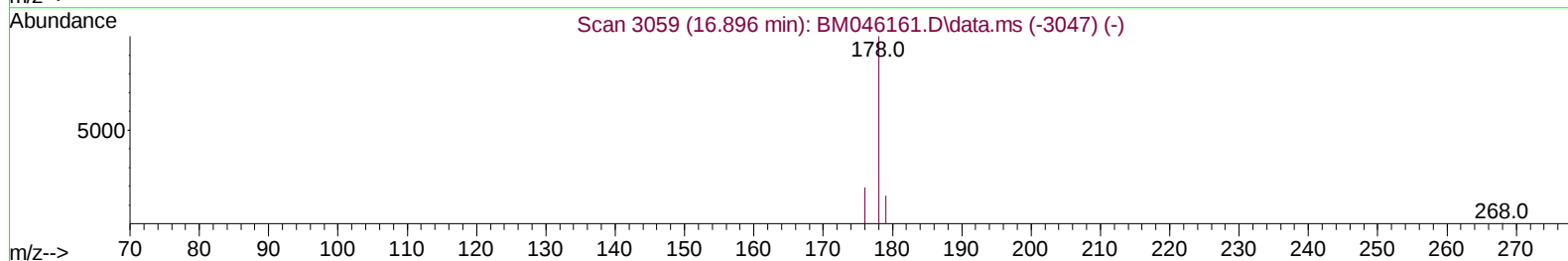
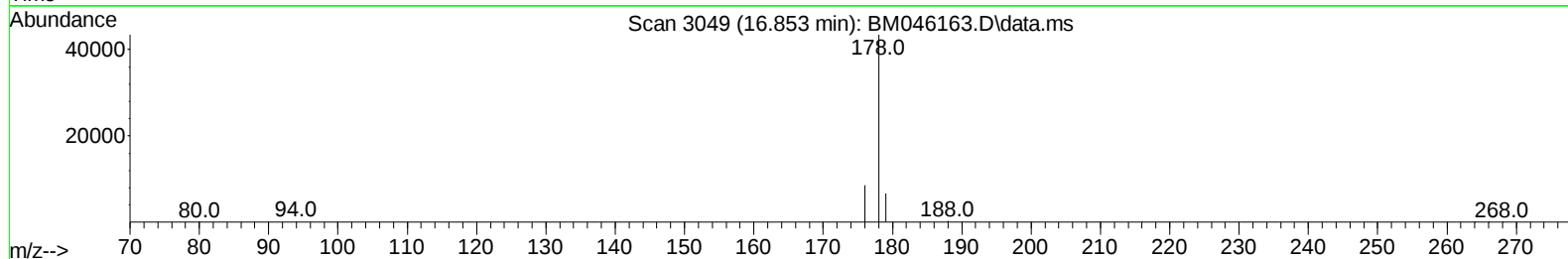
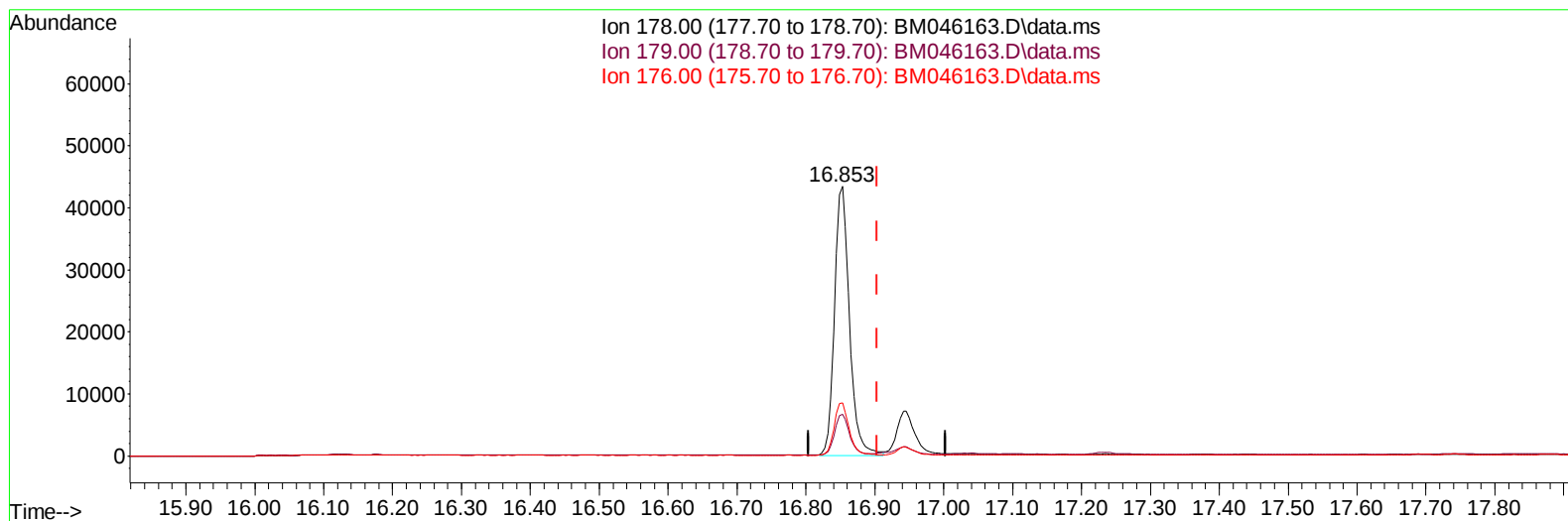
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046163.D
Acq On : 21 Jun 2024 17:00
Operator : MA/JU
Sample : P2754-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP8

Manual IntegrationsAPPROVED

Quant Time: Jun 21 17:36:42 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: BM046163.D\data.ms

(15) Phenanthrene

16.853min (-0.051) 2.88 ng/u1 m

response 65260

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.46
176.00	21.40	19.83
0.00	0.00	0.00

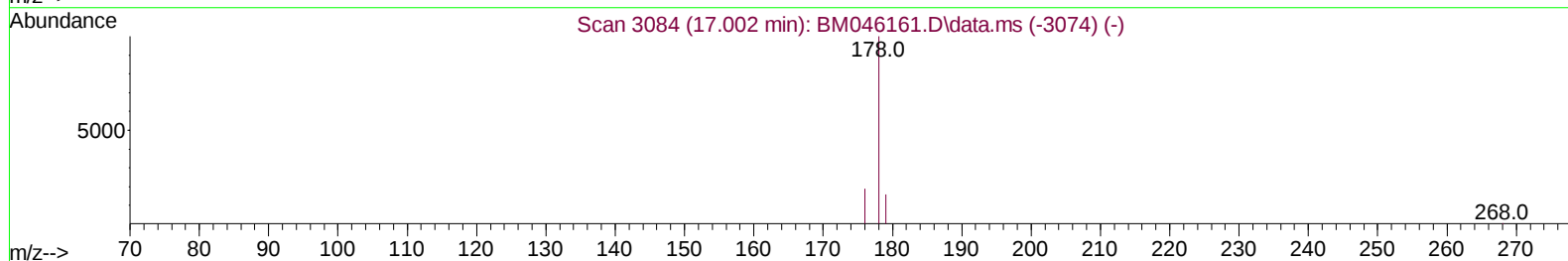
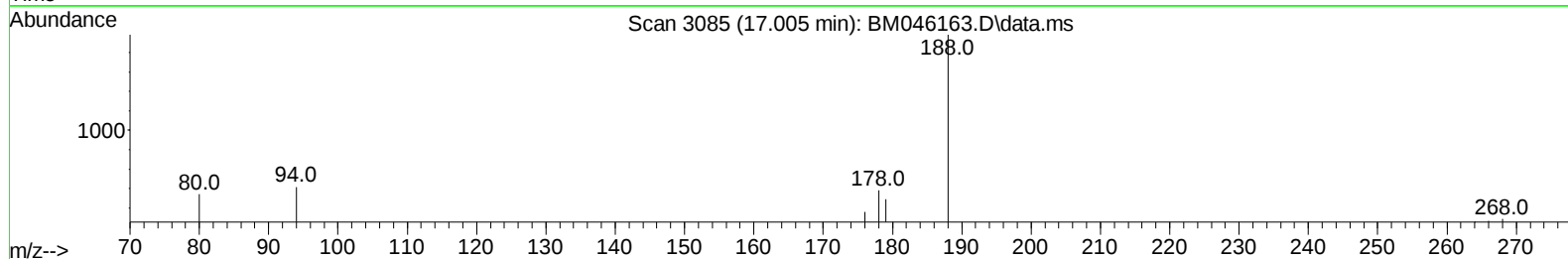
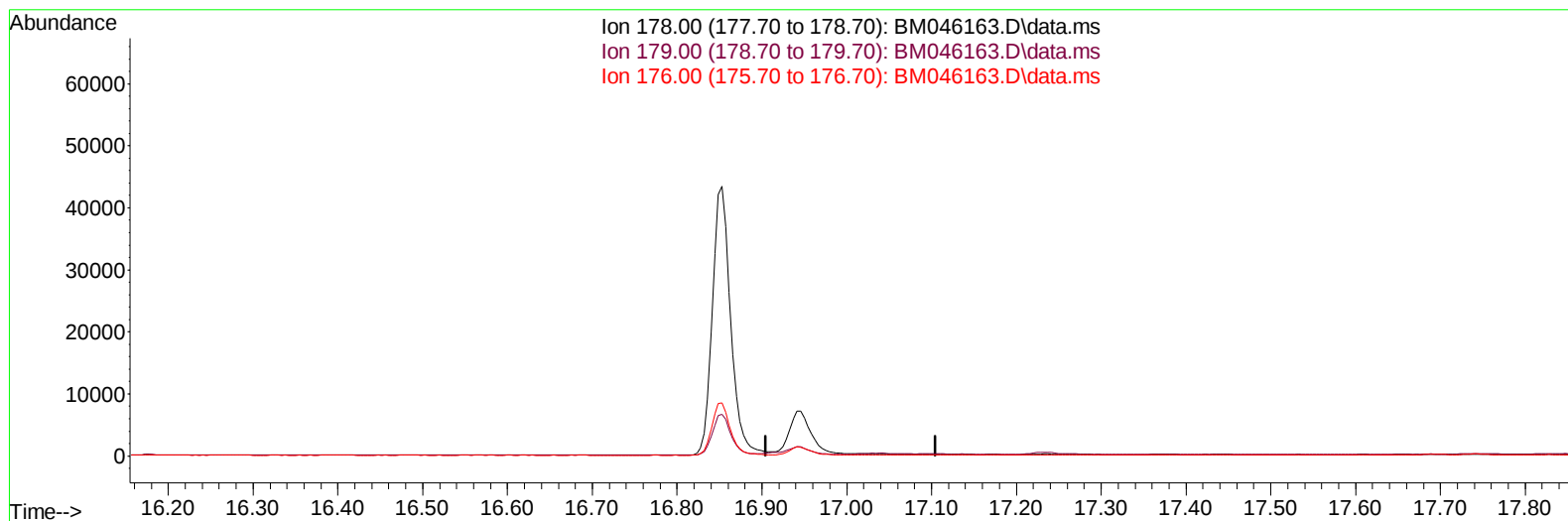
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046163.D
 Acq On : 21 Jun 2024 17:00
 Operator : MA/JU
 Sample : P2754-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BP8

Manual IntegrationsAPPROVED

Quant Time: Jun 21 17:36:42 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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Reviewed By :Yogesh Patel 06/24/2024
 Supervised By :mohammad ahmed 06/24/2024



TIC: BM046163.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

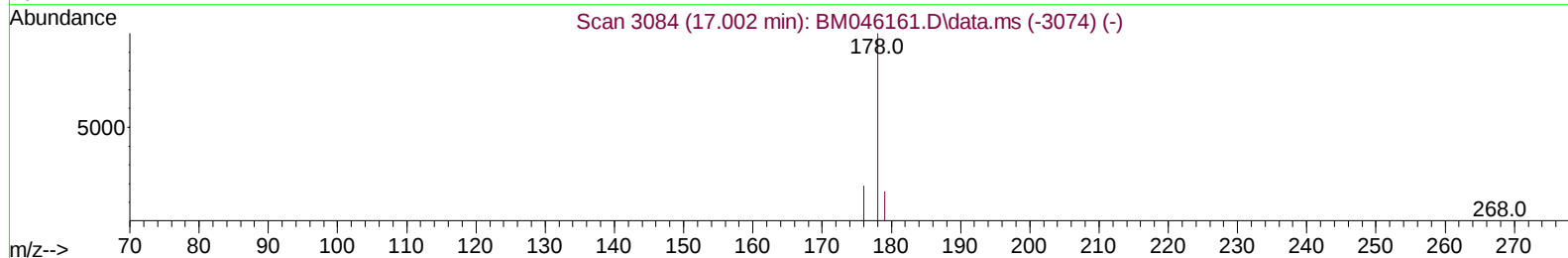
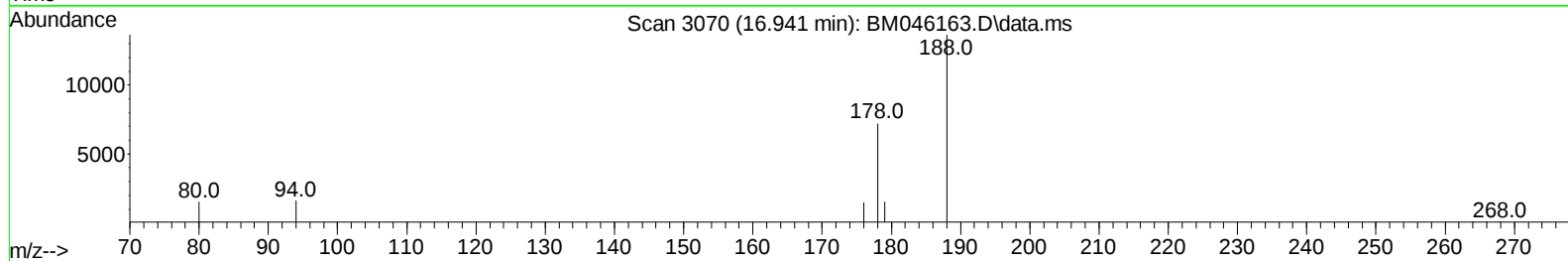
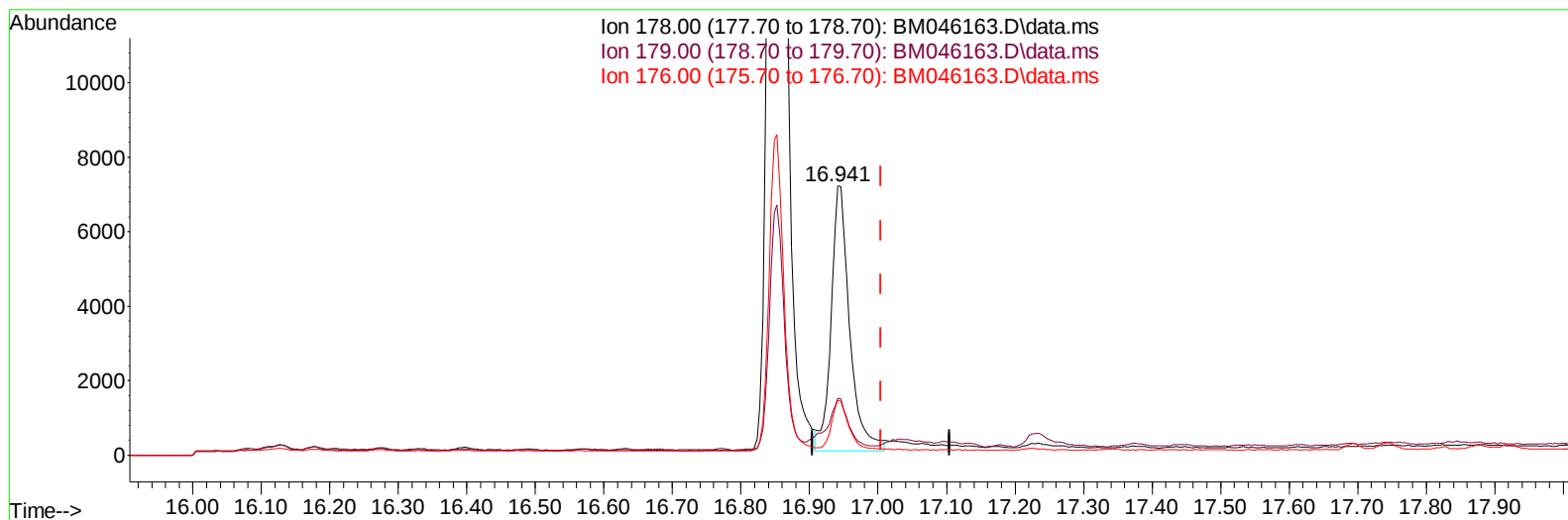
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046163.D
Acq On : 21 Jun 2024 17:00
Operator : MA/JU
Sample : P2754-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP8

Manual IntegrationsAPPROVED

Quant Time: Jun 21 17:36:42 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

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Supervised By :mohammad ahmed 06/24/2024



TIC: BM046163.D\data.ms

(16) Anthracene

16.941min (-0.063) 0.80 ng/u1 m

response 13406

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	21.09
176.00	21.20	20.53
0.00	0.00	0.00

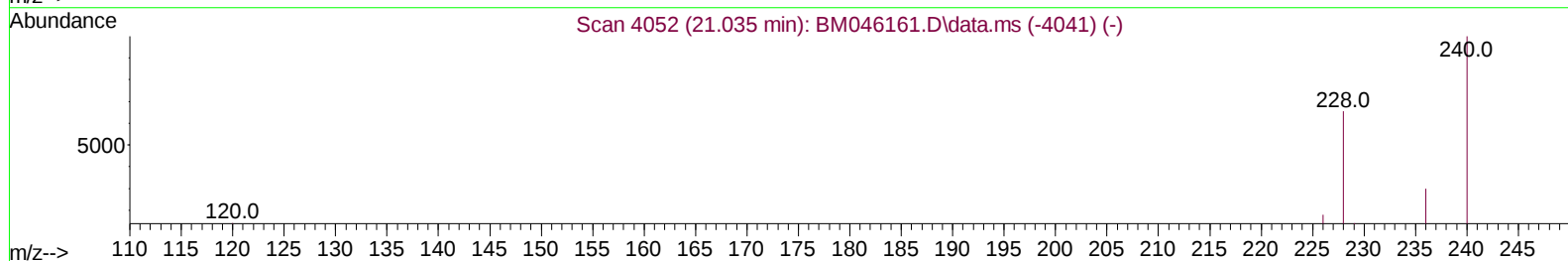
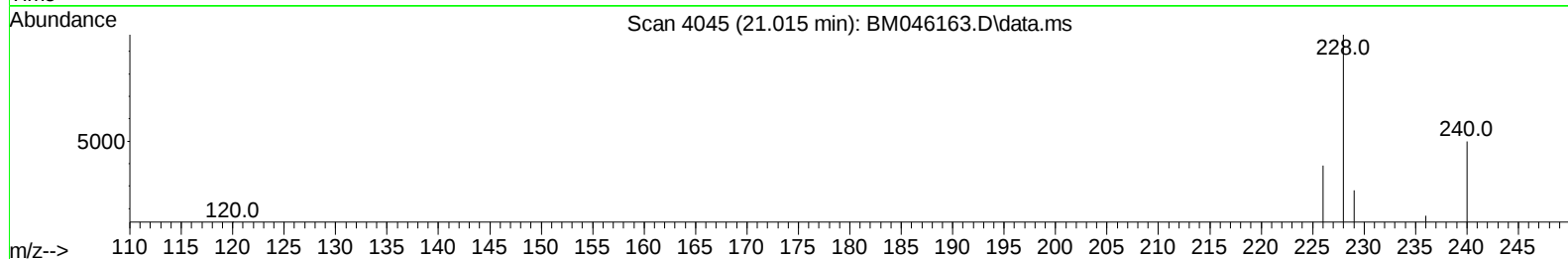
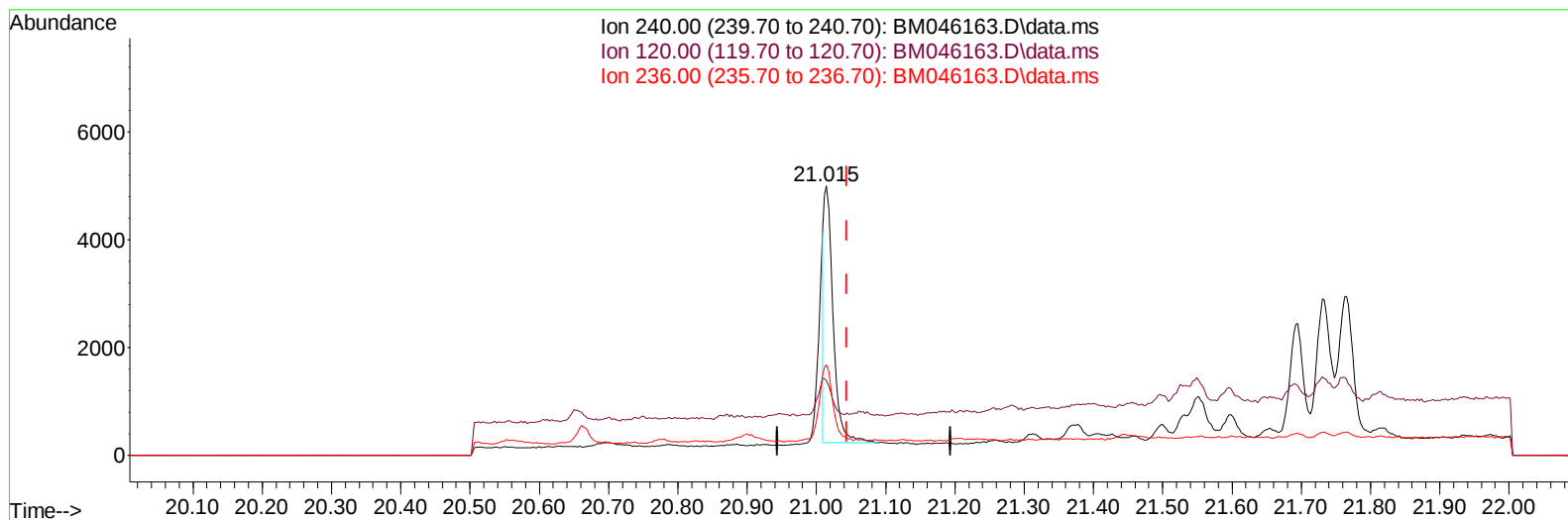
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046163.D
Acq On : 21 Jun 2024 17:00
Operator : MA/JU
Sample : P2754-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP8

Manual IntegrationsAPPROVED

Quant Time: Jun 21 17:36:42 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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TIC: BM046163.D\data.ms

(17) Chrysene-d12

21.015min (-0.029) 0.40 ng/u1

response 4396

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	27.84
236.00	33.60	33.63
0.00	0.00	0.00

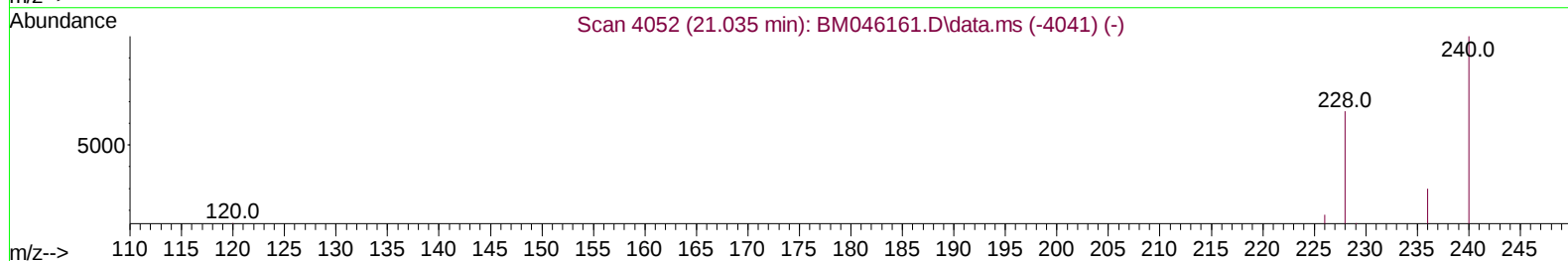
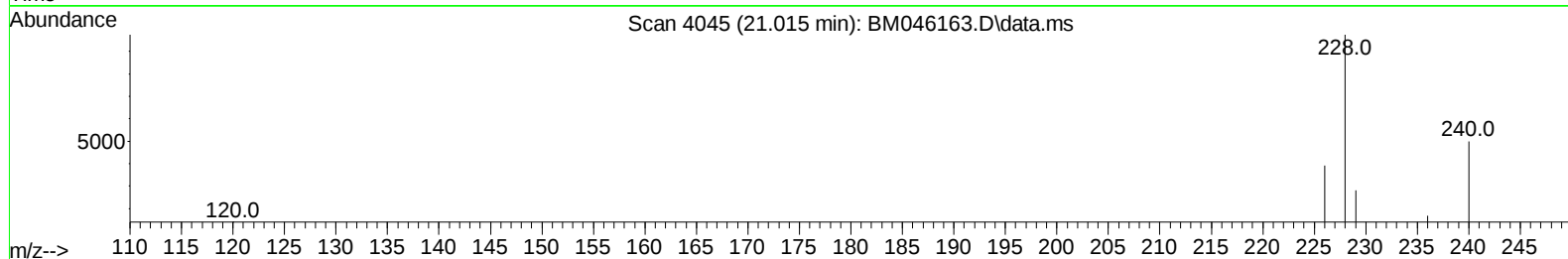
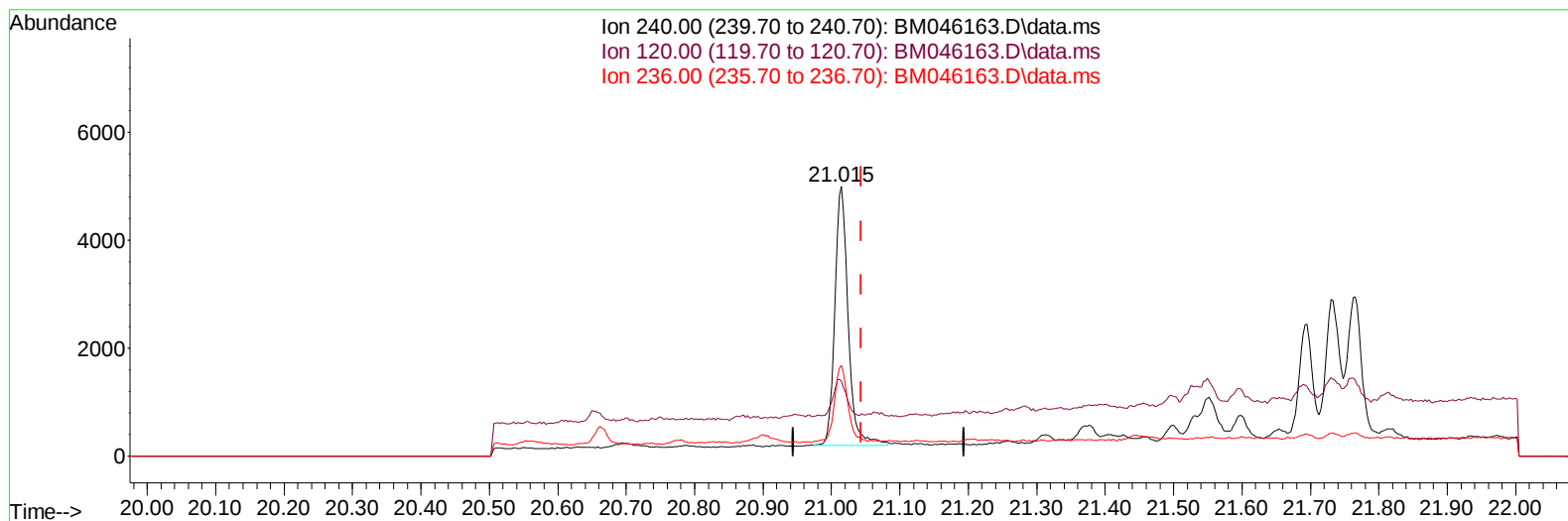
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046163.D
Acq On : 21 Jun 2024 17:00
Operator : MA/JU
Sample : P2754-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP8

Manual IntegrationsAPPROVED

Quant Time: Jun 21 17:36:42 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: BM046163.D\data.ms

(17) Chrysene-d12

21.015min (-0.029) 0.40 ng/ul m

response 6511

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	27.84
236.00	33.60	33.63
0.00	0.00	0.00

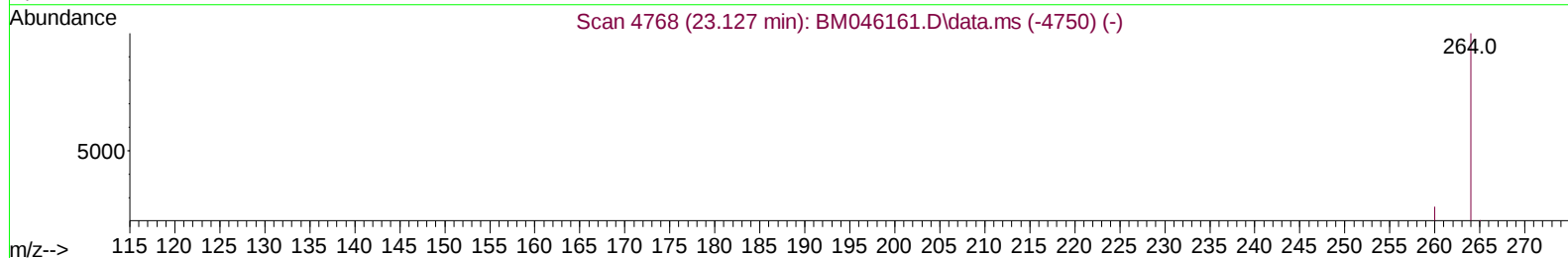
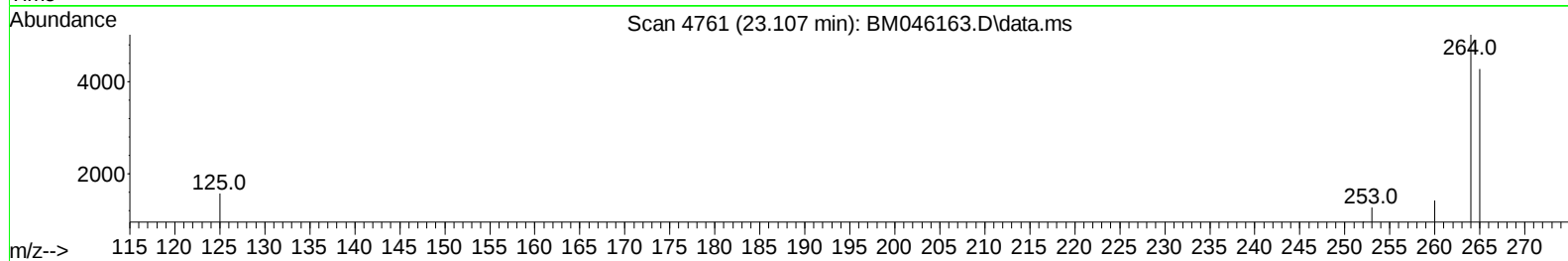
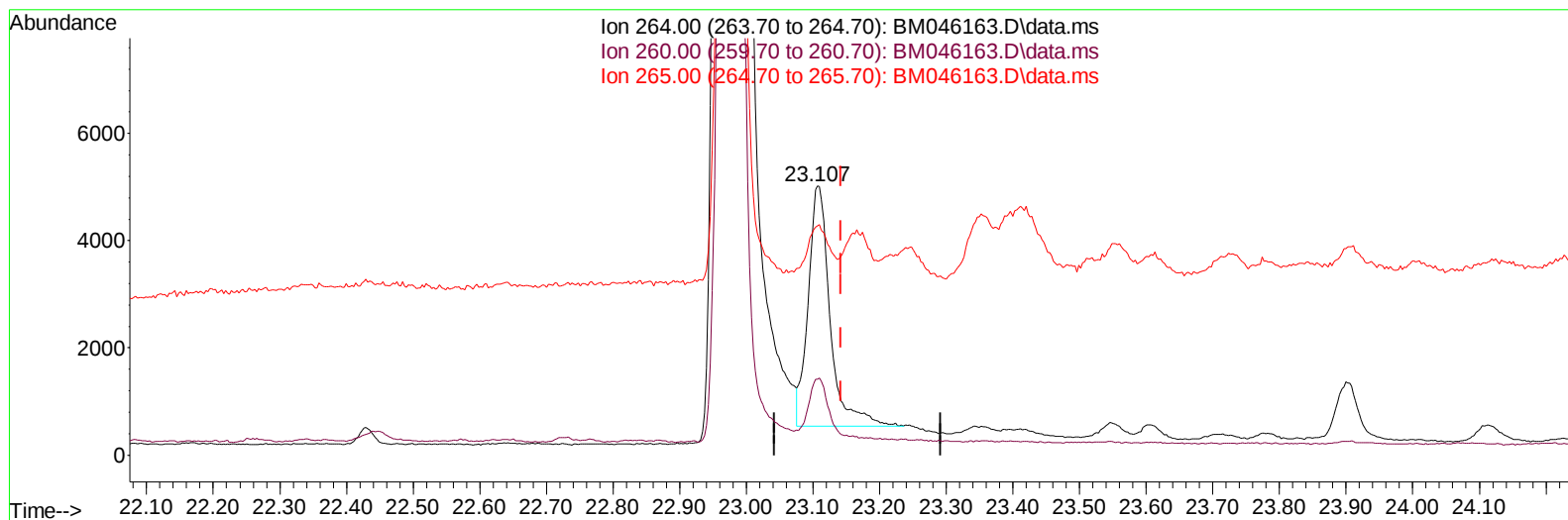
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046163.D
Acq On : 21 Jun 2024 17:00
Operator : MA/JU
Sample : P2754-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP8

Manual IntegrationsAPPROVED

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TIC: BM046163.D\data.ms

(23) Perylene-d12 (I)

23.107min (-0.035) 0.40 ng/u1

response 10235

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	28.26
265.00	110.60	85.13#
0.00	0.00	0.00

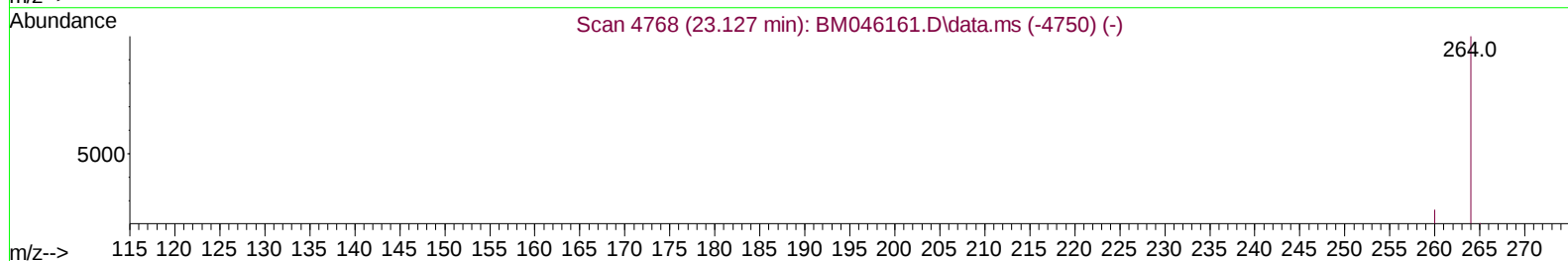
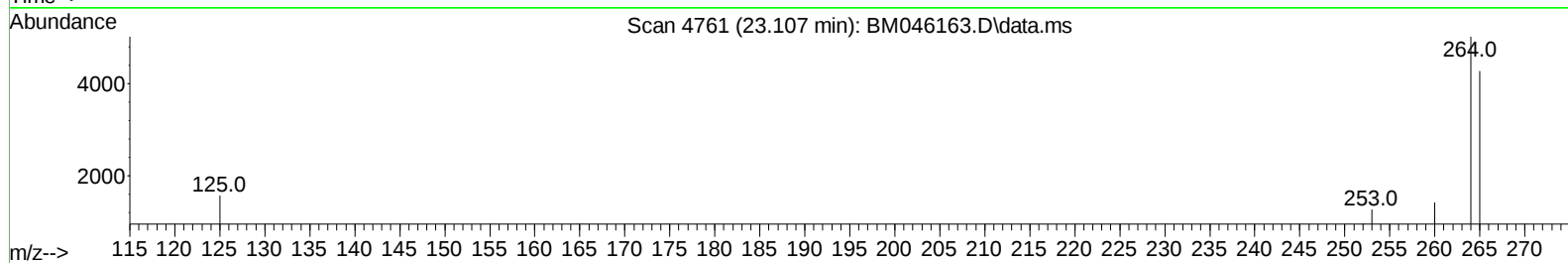
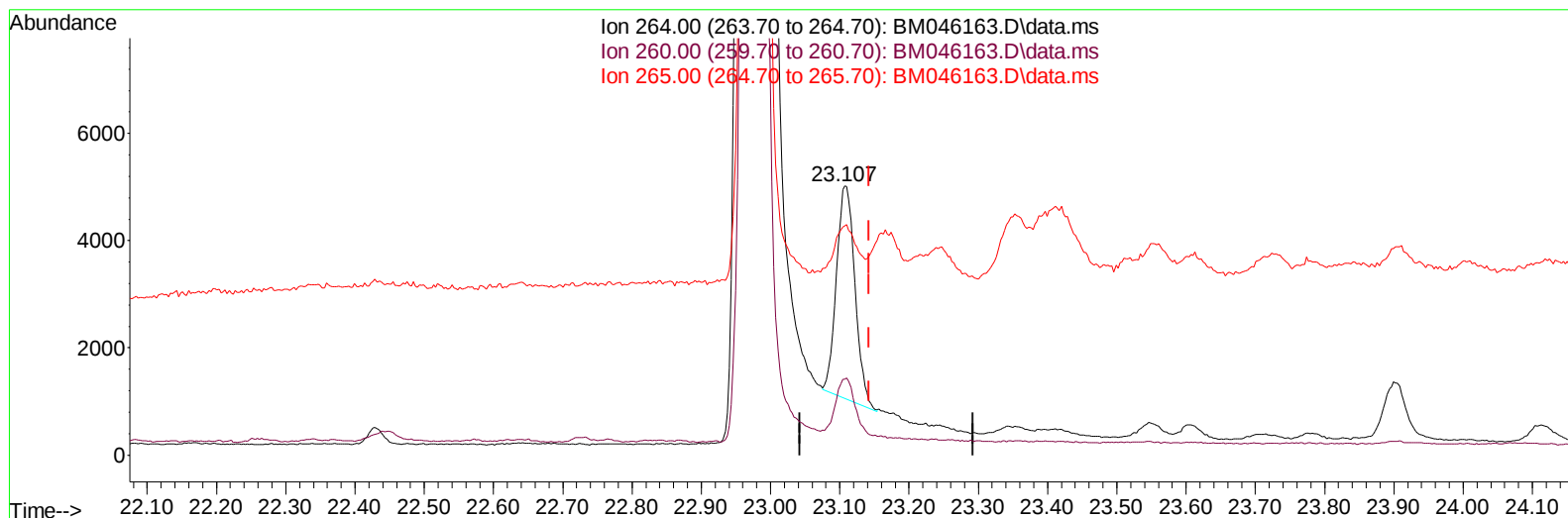
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046163.D
Acq On : 21 Jun 2024 17:00
Operator : MA/JU
Sample : P2754-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP8

Manual IntegrationsAPPROVED

Quant Time: Jun 21 17:36:42 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: BM046163.D\data.ms

(23) Perylene-d12 (I)

23.107min (-0.035) 0.40 ng/u1 m

response 7323

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	28.26
265.00	110.60	85.13#
0.00	0.00	0.00

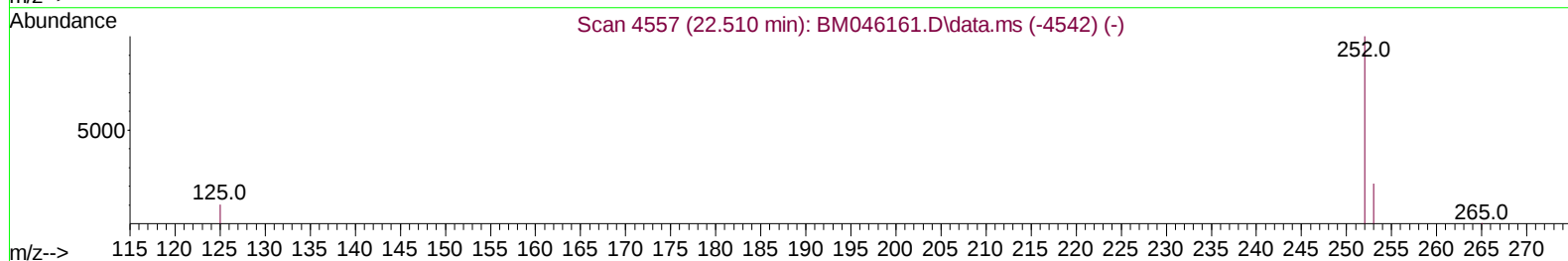
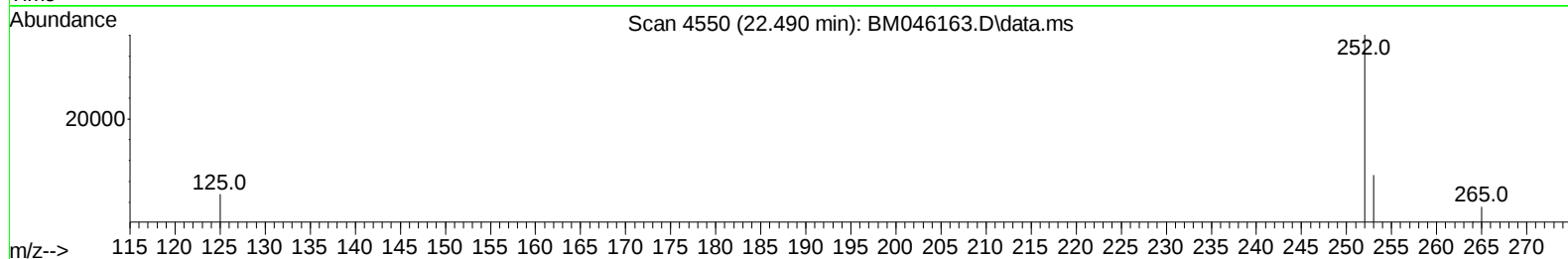
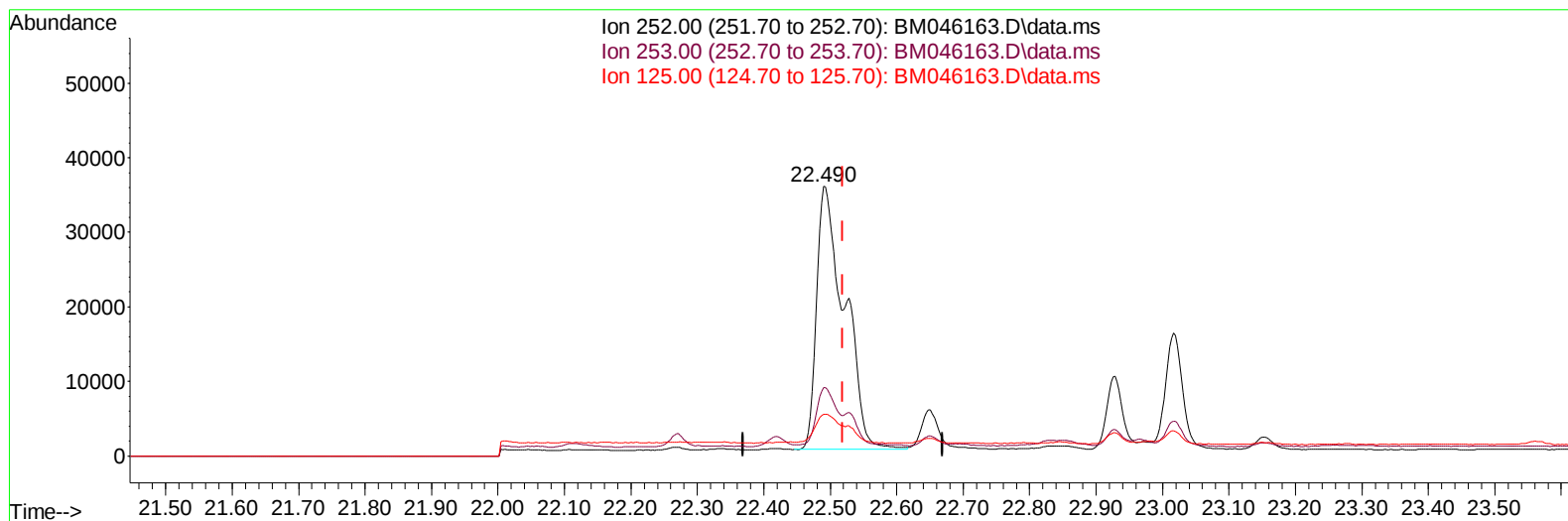
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046163.D
 Acq On : 21 Jun 2024 17:00
 Operator : MA/JU
 Sample : P2754-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BP8

Manual IntegrationsAPPROVED

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TIC: BM046163.D\data.ms

(24) Benzo(b)fluoranthene

22.490min (-0.029) 3.91 ng/u1

response 103205

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	25.37
125.00	20.10	15.49
0.00	0.00	0.00

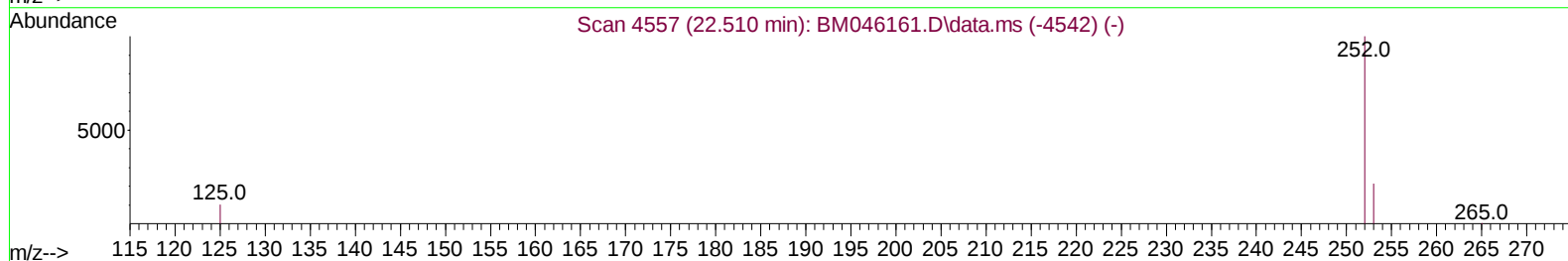
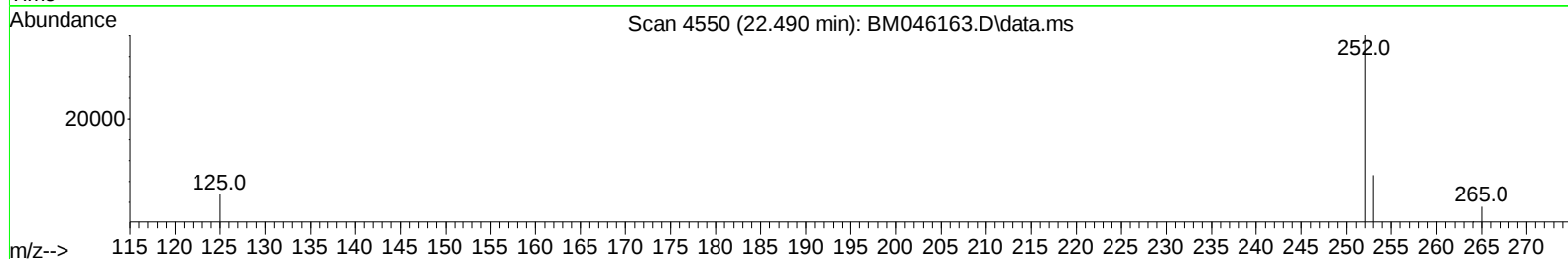
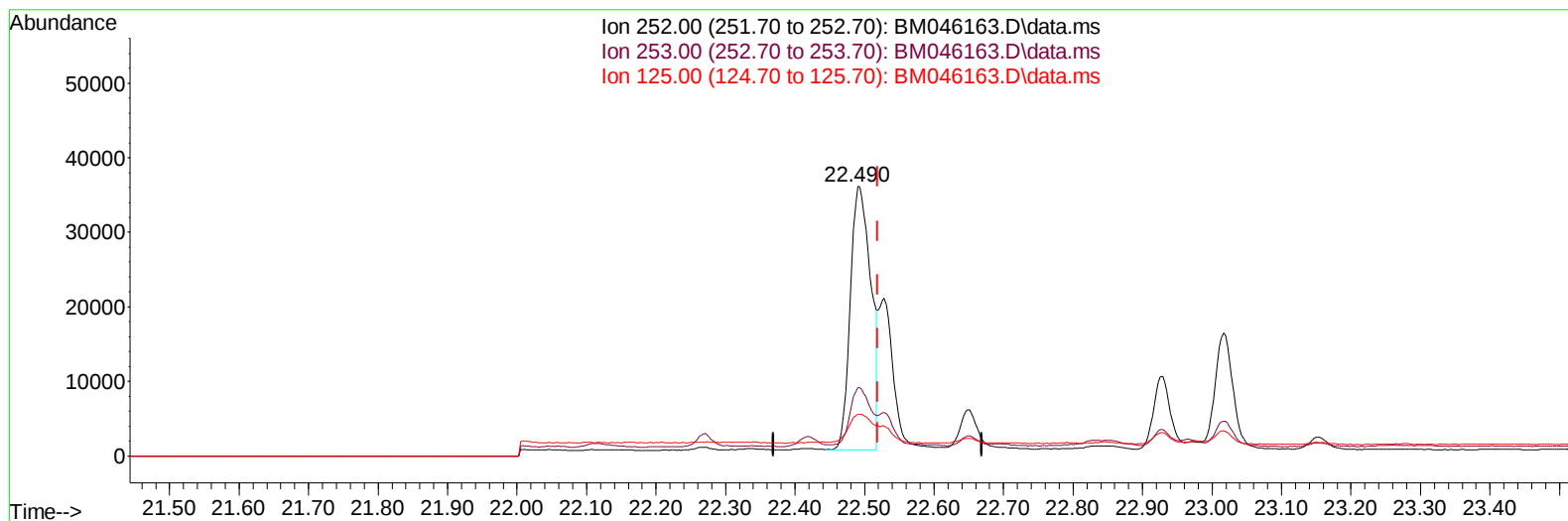
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046163.D
Acq On : 21 Jun 2024 17:00
Operator : MA/JU
Sample : P2754-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP8

Manual IntegrationsAPPROVED

Quant Time: Jun 21 17:36:42 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: BM046163.D\data.ms

(24) Benzo(b)fluoranthene

22.490min (-0.029) 2.73 ng/u1 m

response 72059

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	25.37
125.00	20.10	15.49
0.00	0.00	0.00

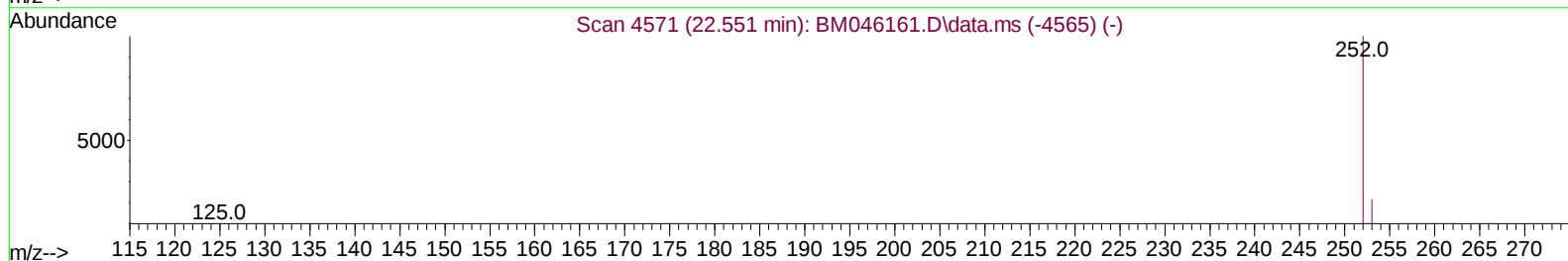
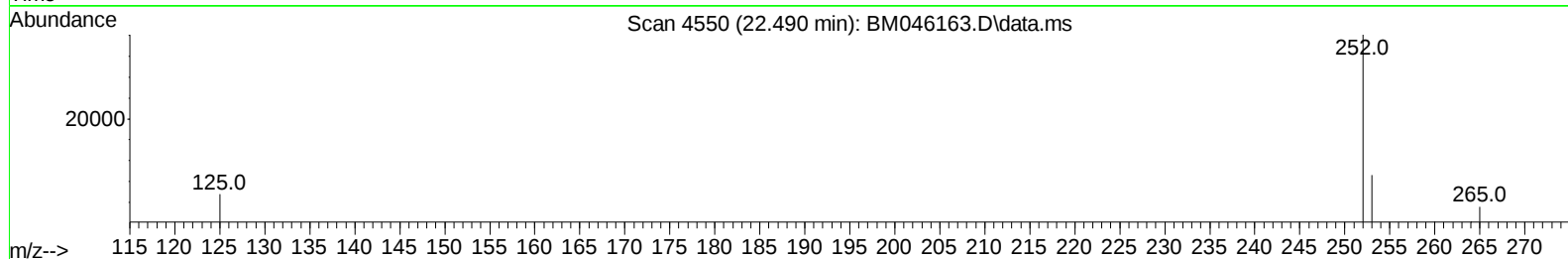
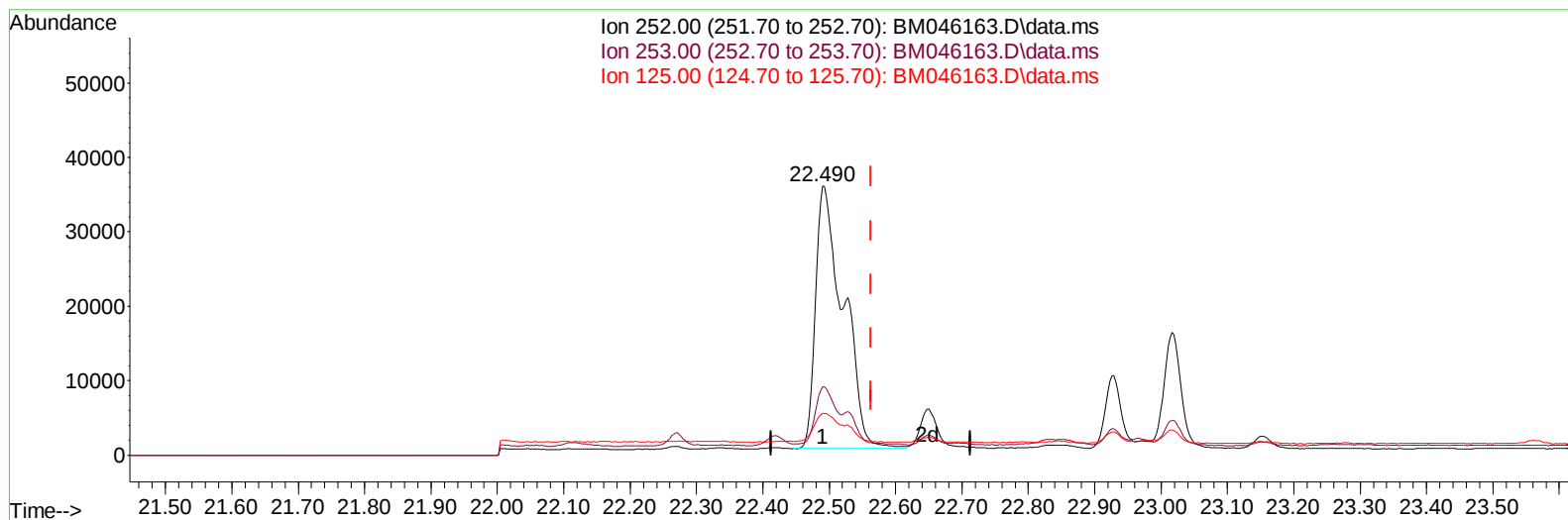
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046163.D
Acq On : 21 Jun 2024 17:00
Operator : MA/JU
Sample : P2754-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP8

Manual IntegrationsAPPROVED

Quant Time: Jun 21 17:36:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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Supervised By :mohammad ahmed 06/24/2024



TIC: BM046163.D\data.ms

(25) Benzo(k)fluoranthene

22.490min (-0.073) 3.29 ng/u1

response 103205

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	25.37#
125.00	20.80	15.49#
0.00	0.00	0.00

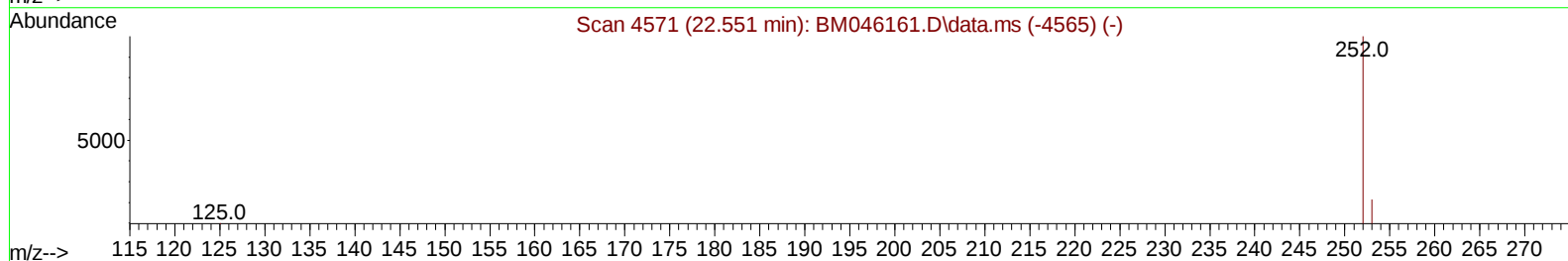
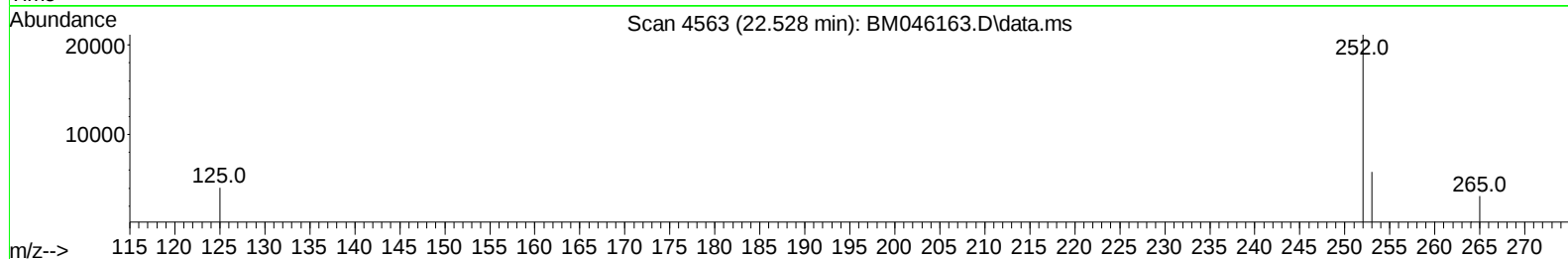
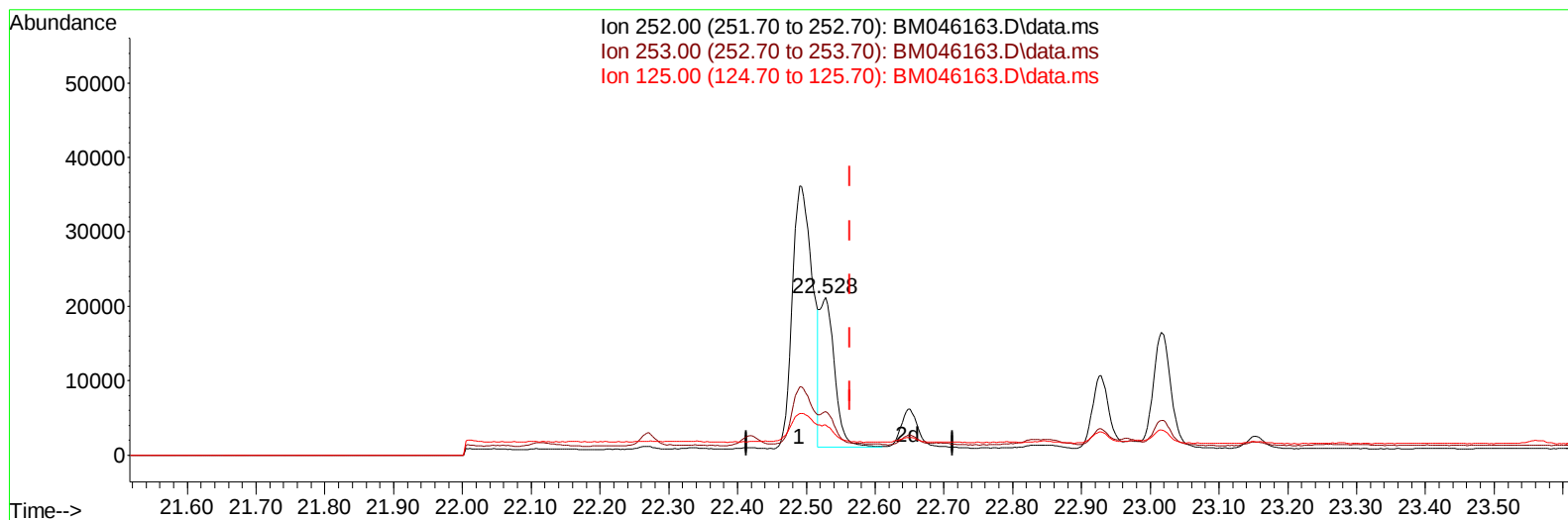
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046163.D
Acq On : 21 Jun 2024 17:00
Operator : MA/JU
Sample : P2754-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP8

Manual IntegrationsAPPROVED

Quant Time: Jun 21 17:36:42 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: BM046163.D\data.ms

(25) Benzo(k)fluoranthene

22.528min (-0.035) 0.96 ng/u1 m

response 30104

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	27.51
125.00	20.80	19.11
0.00	0.00	0.00

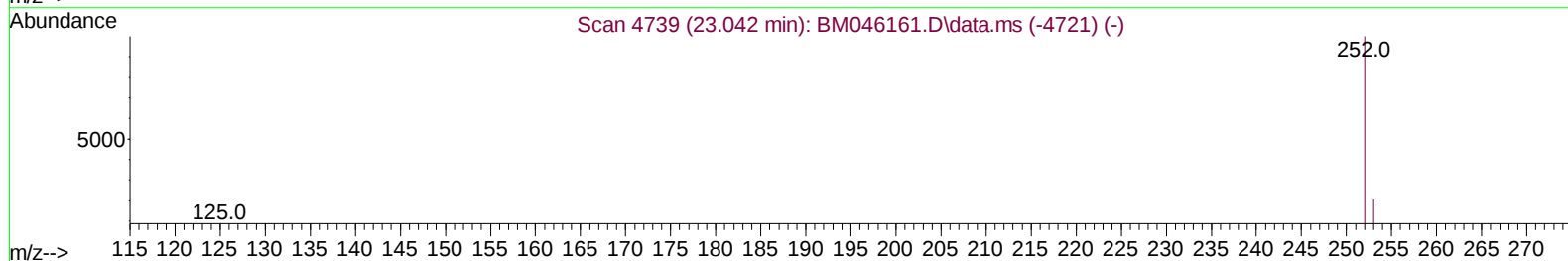
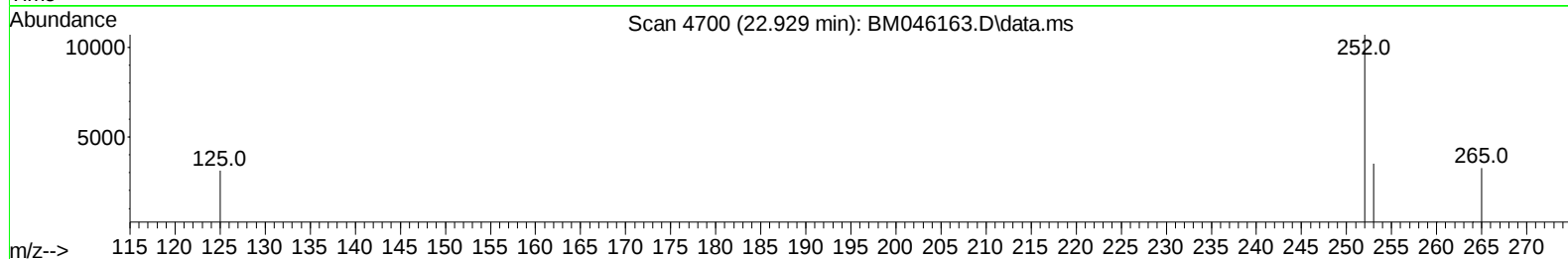
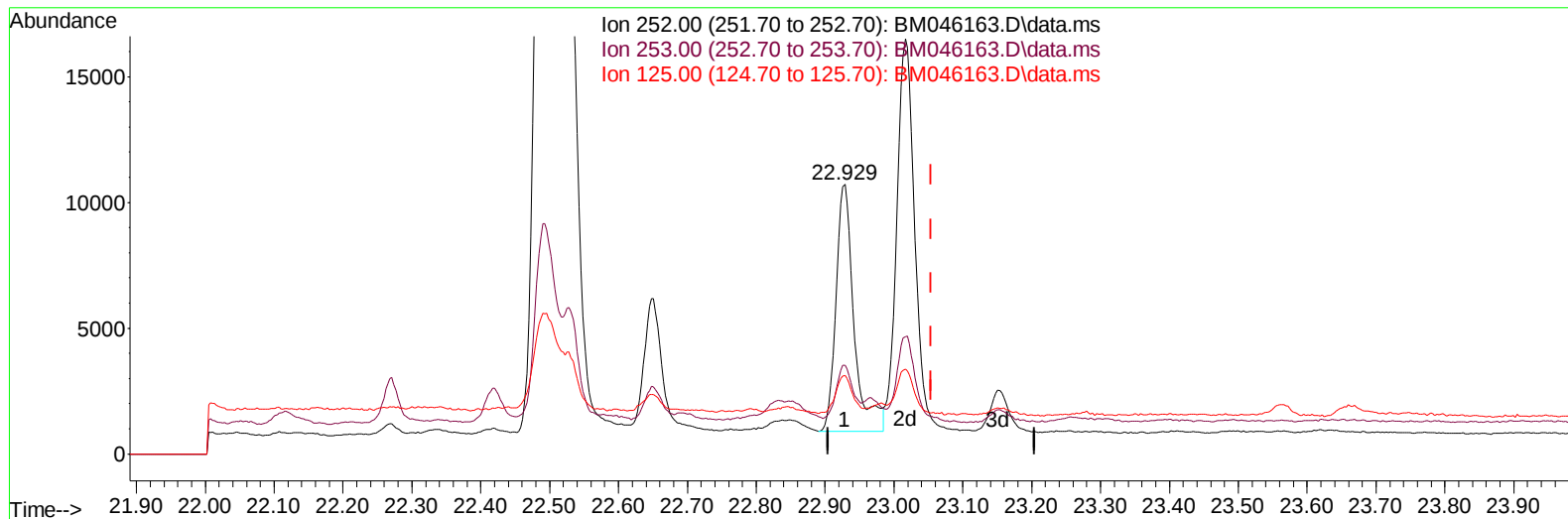
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046163.D
Acq On : 21 Jun 2024 17:00
Operator : MA/JU
Sample : P2754-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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TIC: BM046163.D\data.ms

(26) Benzo(a)pyrene (C)

22.929min (-0.126) 0.73 ng/u1

response 17856

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	40.10	32.80
125.00	26.50	29.03
0.00	0.00	0.00

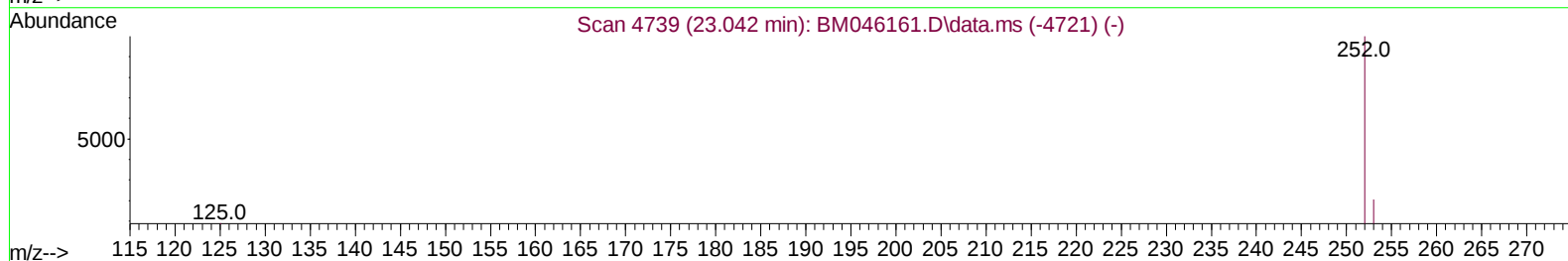
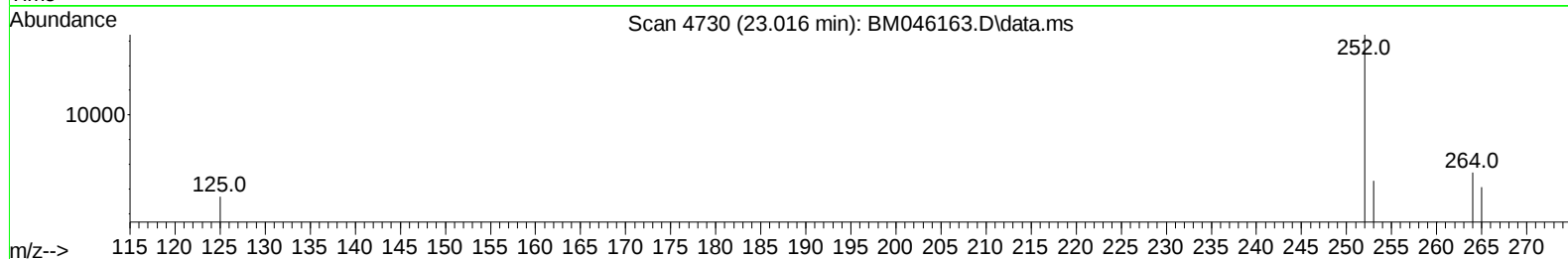
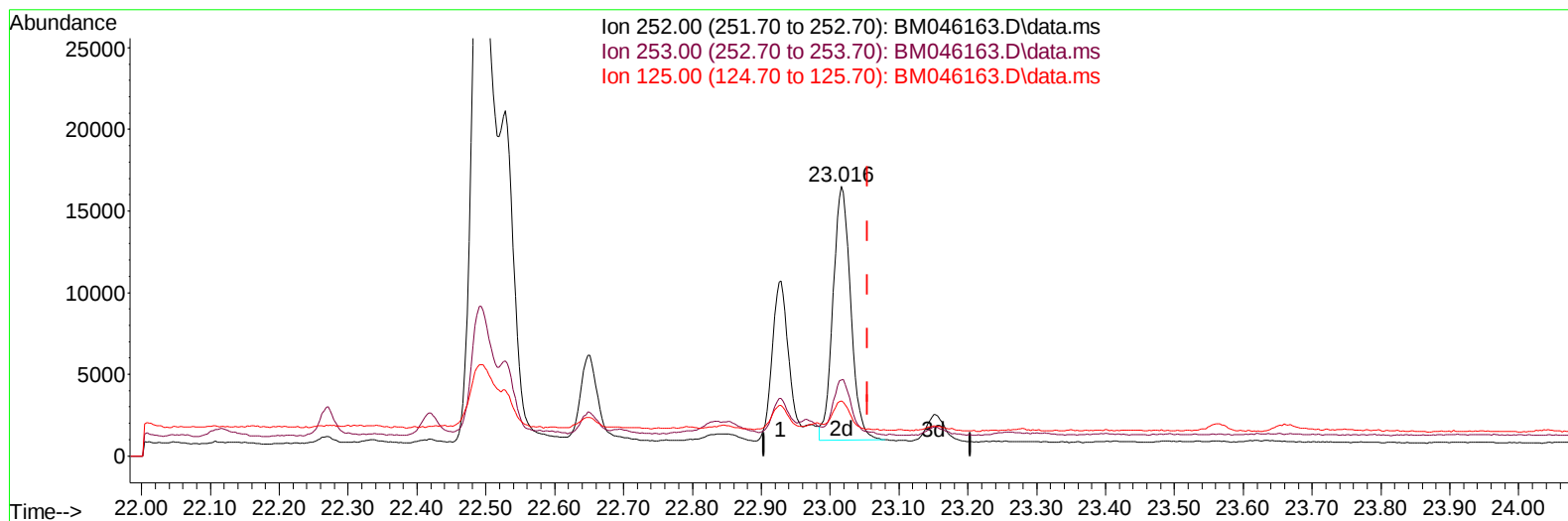
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046163.D
Acq On : 21 Jun 2024 17:00
Operator : MA/JU
Sample : P2754-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP8

Manual IntegrationsAPPROVED

Quant Time: Jun 21 17:36:42 2024
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TIC: BM046163.D\data.ms

(26) Benzo(a)pyrene (C)

23.016min (-0.038) 1.14 ng/ul m

response 27831

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	40.10	28.30#
125.00	26.50	20.46#
0.00	0.00	0.00

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 Data File : BM046163.D
 Acq On : 21 Jun 2024 17:00
 Operator : MA/JU
 Sample : P2754-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BP8

Manual IntegrationsAPPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.417	152	2227	0.400	ng/ul	-0.05
4) Naphthalene-d8	10.193	136	6502	0.400	ng/ul	-0.06
9) Acenaphthene-d10	14.070	164	3521	0.400	ng/ul	#-0.04
13) Phenanthrene-d10	16.811	188	8057m	0.400	ng/ul	-0.05
17) Chrysene-d12	21.015	240	6511m	0.400	ng/ul	-0.03
23) Perylene-d12	23.107	264	7323m	0.400	ng/ul	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.029	96	11786	3.857	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	11.821	152	2409	0.276	ng/ul	-0.04
18) Fluoranthene-d10	18.847	212	5499	0.282	ng/ul	-0.04
Target Compounds						
						Qvalue
5) Naphthalene	10.242	128	2680	0.148	ng/ul	97
7) 2-Methylnaphthalene	11.892	142	1238	0.121	ng/ul	94
8) 1-Methylnaphthalene	12.106	142	1205	0.108	ng/ul	98
10) Acenaphthylene	13.784	152	3055	0.183	ng/ul#	92
11) Acenaphthene	14.131	153	4090	0.339	ng/ul	99
12) Fluorene	15.125	166	4254	0.329	ng/ul	99
15) Phenanthrene	16.853	178	65260m	2.883	ng/ul	
16) Anthracene	16.941	178	13406m	0.795	ng/ul	
19) Fluoranthene	18.875	202	106174	3.766	ng/ul	97
20) Pyrene	19.238	202	85506	2.805	ng/ul	96
21) Benzo(a)anthracene	20.997	228	54239	2.157	ng/ul	98
22) Chrysene	21.050	228	51819	1.615	ng/ul	98
24) Benzo(b)fluoranthene	22.490	252	72059m	2.731	ng/ul	
25) Benzo(k)fluoranthene	22.528	252	30104m	0.960	ng/ul	
26) Benzo(a)pyrene	23.016	252	27831m	1.138	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.155	276	28598	0.715	ng/ul#	89
28) Dibenzo(a,h)anthracene	25.155	278	9045	0.304	ng/ul#	86
29) Benzo(g,h,i)perylene	25.779	276	4198	0.122	ng/ul#	71

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

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