

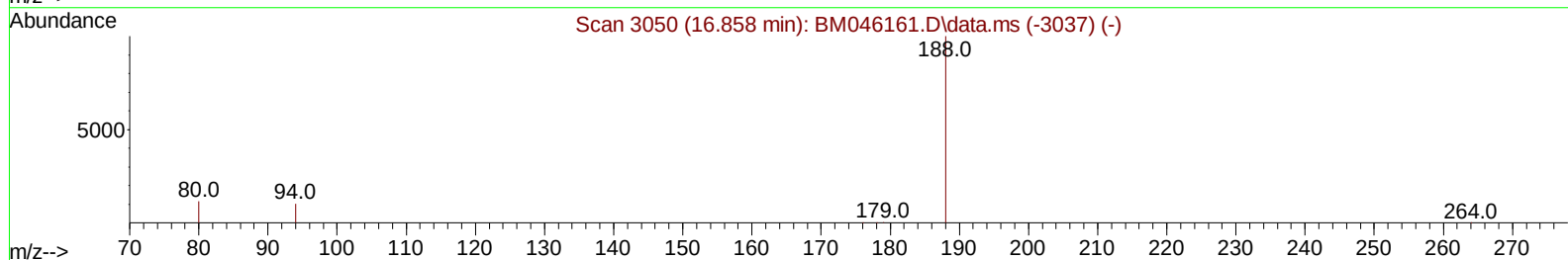
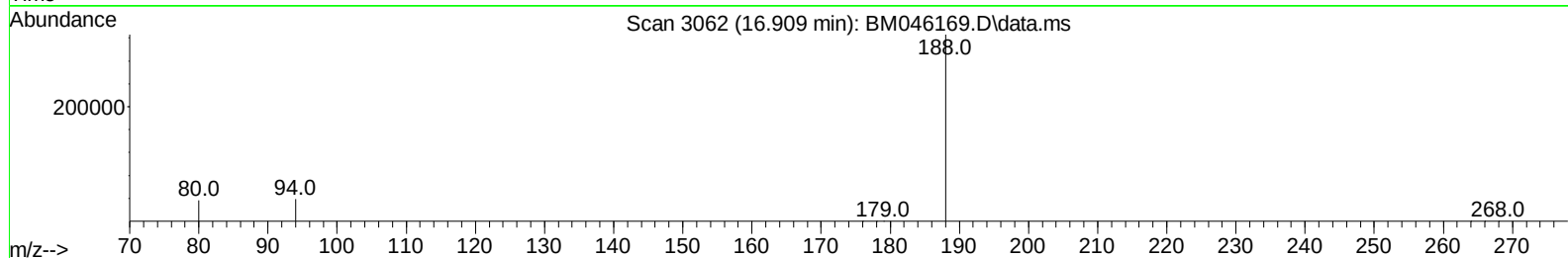
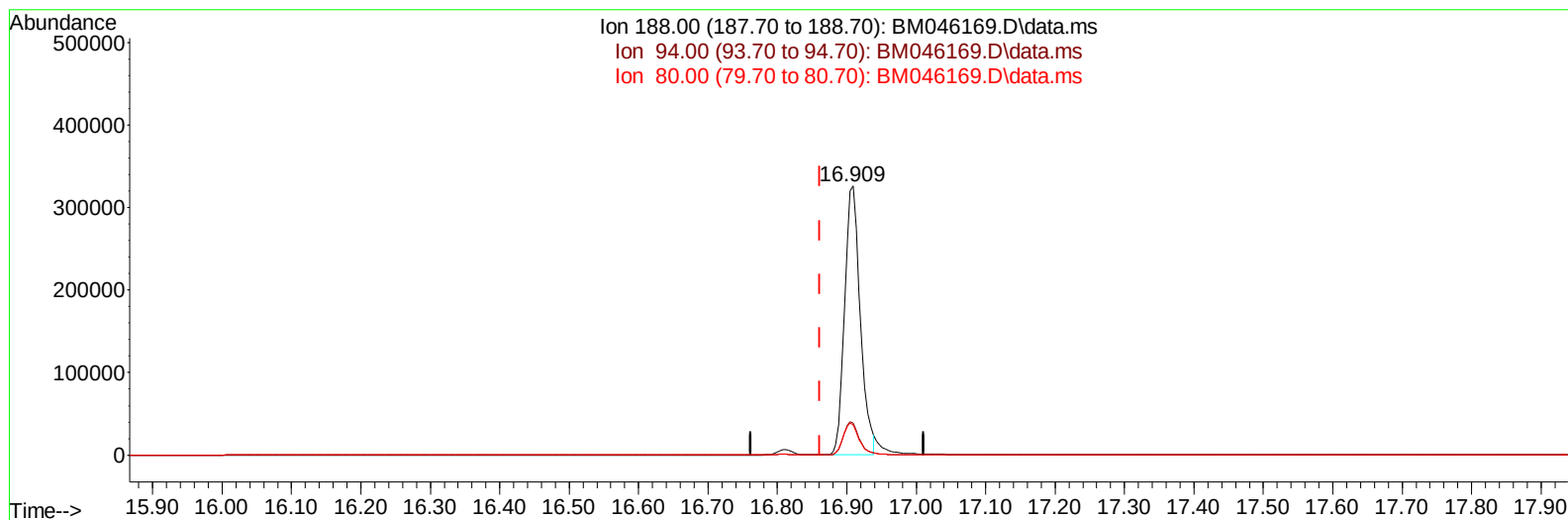
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046169.D
Acq On : 21 Jun 2024 20:43
Operator : MA/JU
Sample : P2754-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ6

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:28:05 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: BM046169.D\data.ms

(13) Phenanthrene-d10 (I)

16.909min (+ 0.048) 0.40 ng/u1

response 509723

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	11.82
80.00	15.20	11.15#
0.00	0.00	0.00

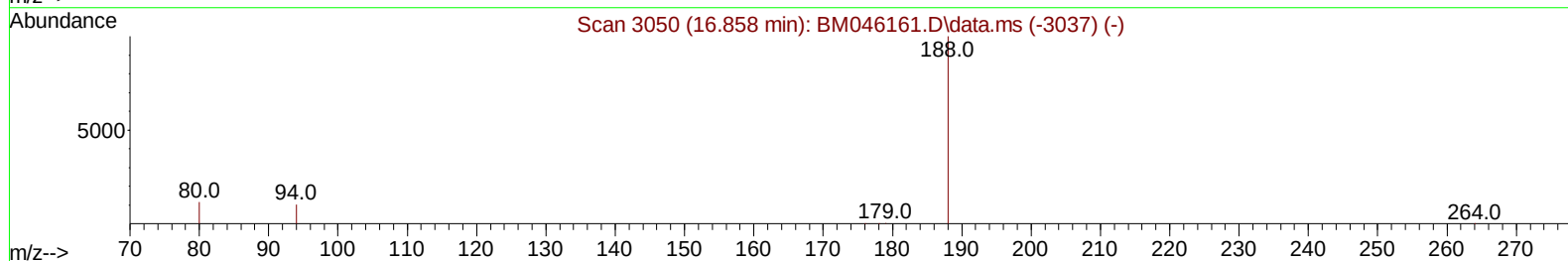
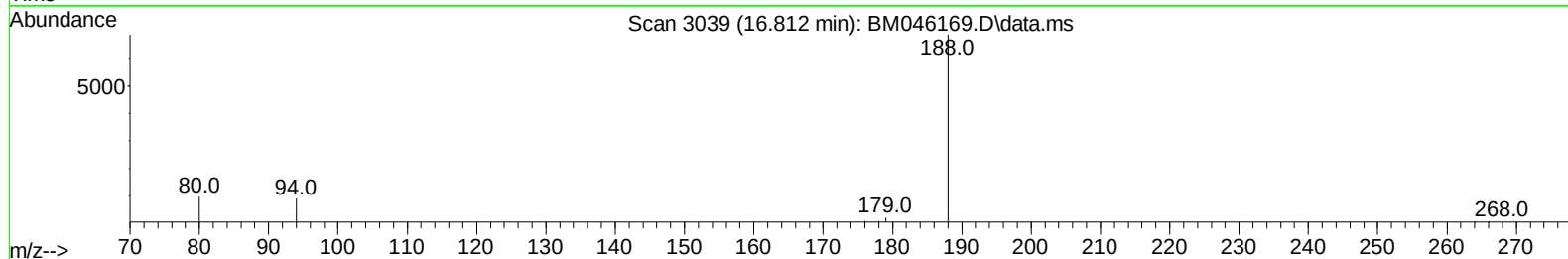
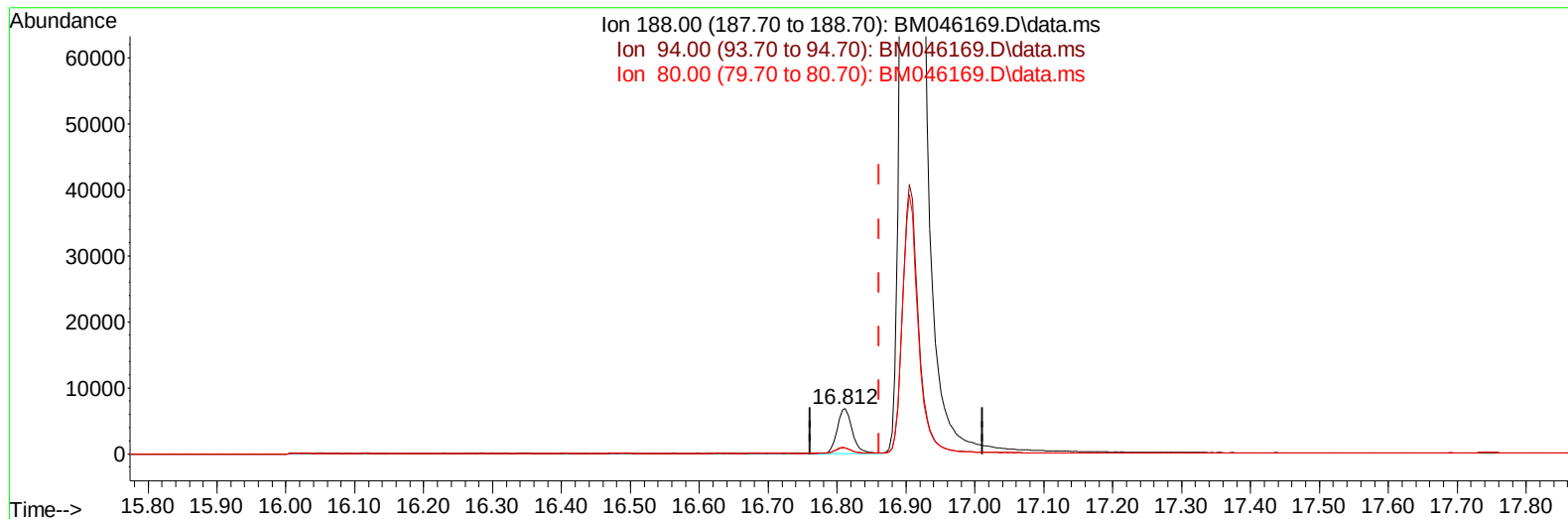
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046169.D
Acq On : 21 Jun 2024 20:43
Operator : MA/JU
Sample : P2754-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ6

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:28:05 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: BM046169.D\data.ms

(13) Phenanthrene-d10 (I)

16.812min (-0.049) 0.40 ng/ul m

response 10397

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	13.12
80.00	15.20	14.14
0.00	0.00	0.00

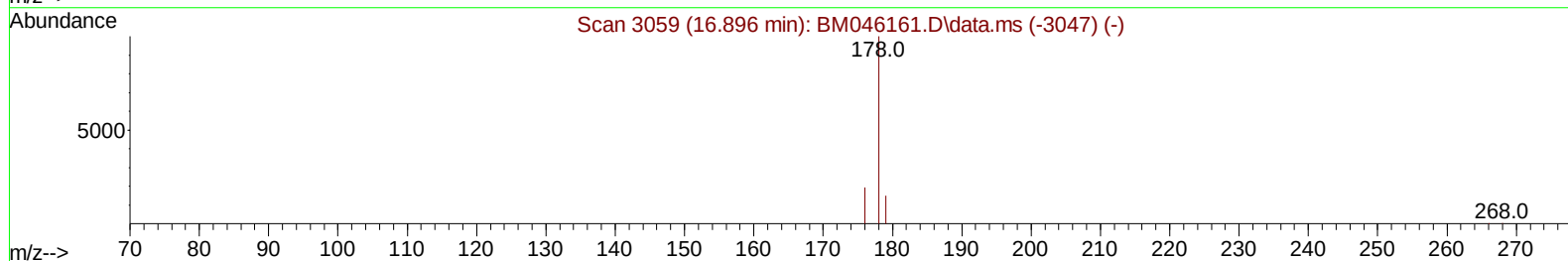
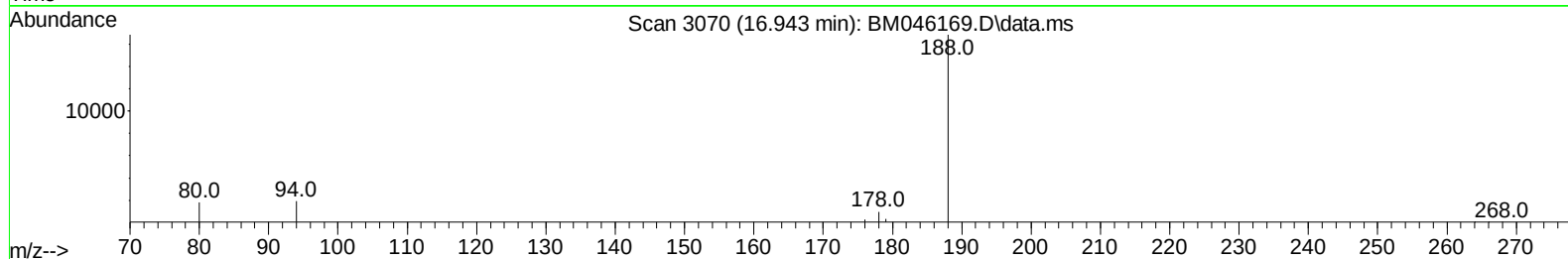
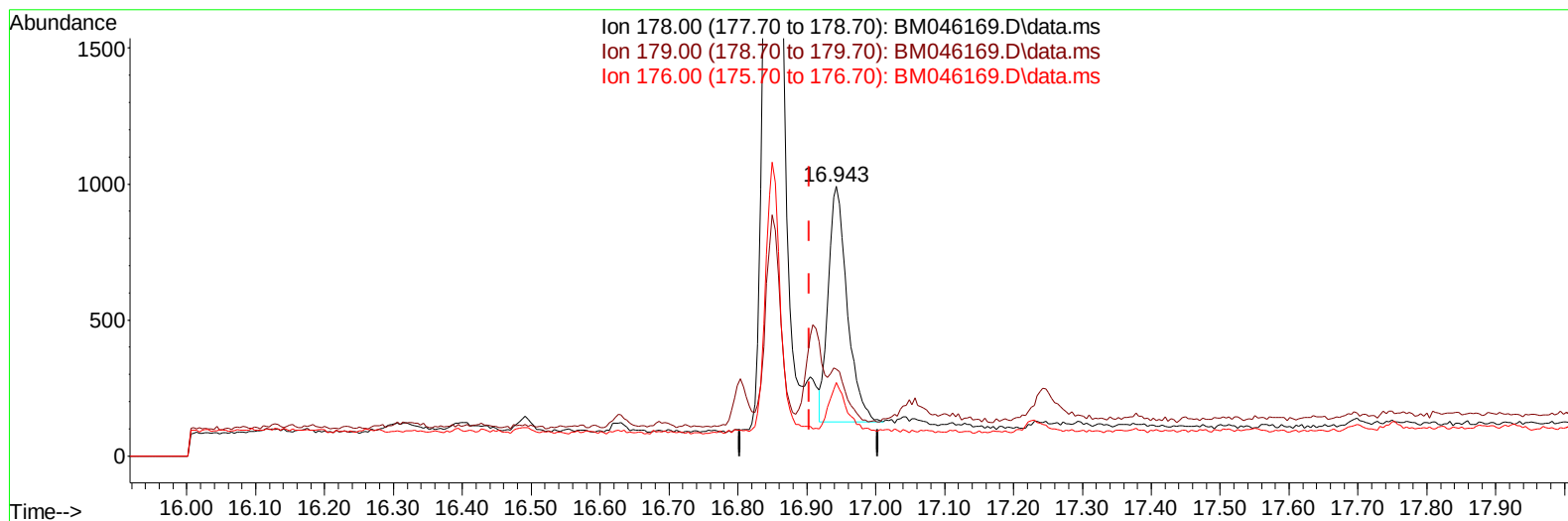
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046169.D
Acq On : 21 Jun 2024 20:43
Operator : MA/JU
Sample : P2754-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ6

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 06/24/2024
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TIC: BM046169.D\data.ms

(15) Phenanthrene

16.943min (+ 0.039) 0.06 ng/u1

response 1663

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	32.09#
176.00	21.40	27.14#
0.00	0.00	0.00

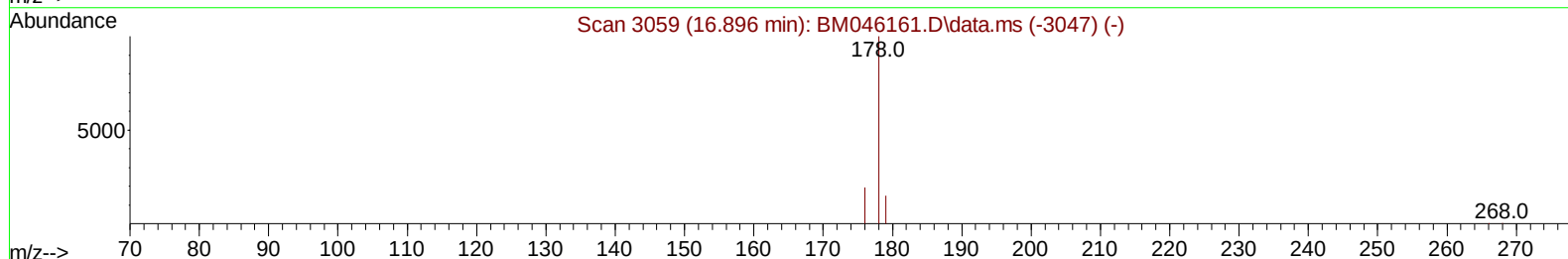
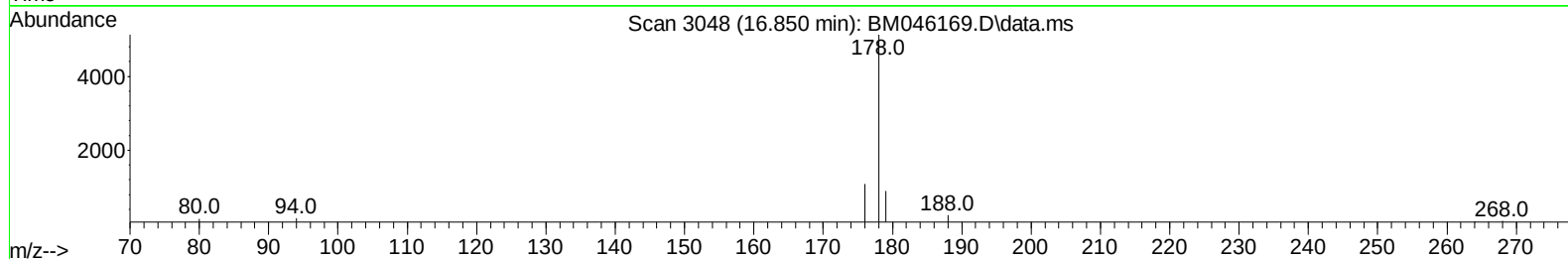
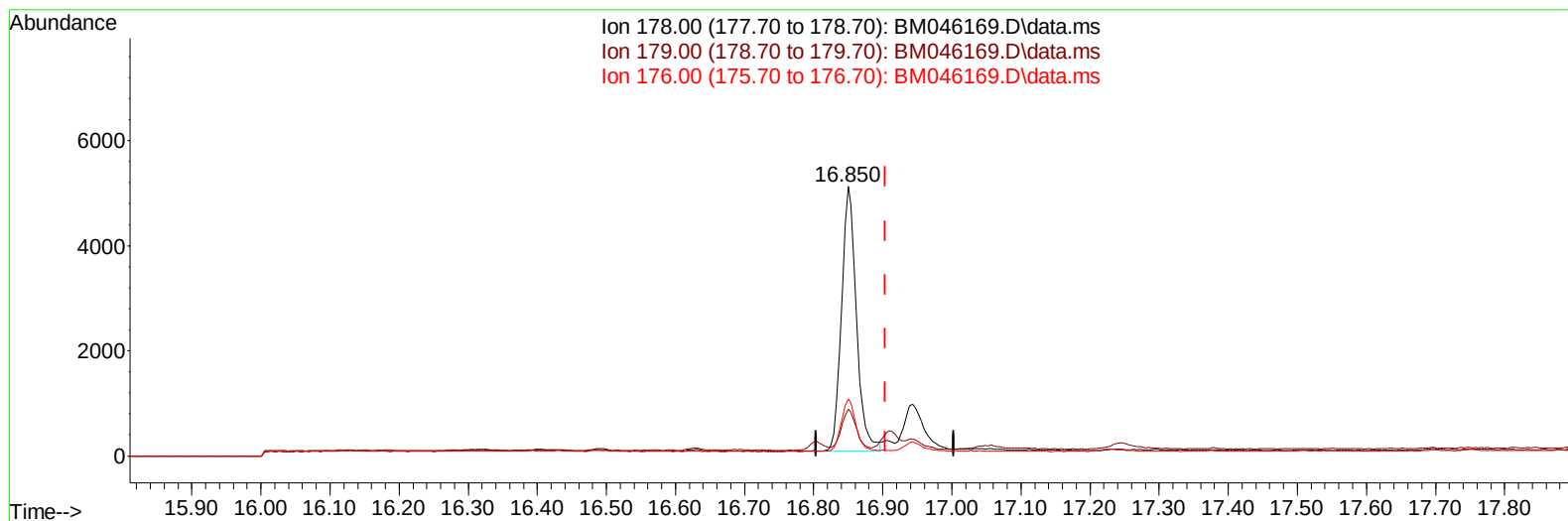
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046169.D
Acq On : 21 Jun 2024 20:43
Operator : MA/JU
Sample : P2754-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ6

Manual IntegrationsAPPROVED

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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: BM046169.D\data.ms

(15) Phenanthrene

16.850min (-0.054) 0.26 ng/ul m

response 7543

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	17.30
176.00	21.40	21.06
0.00	0.00	0.00

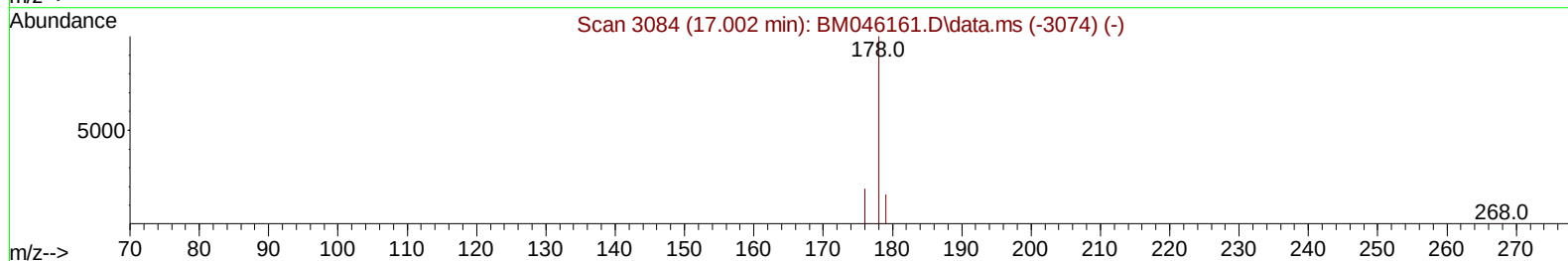
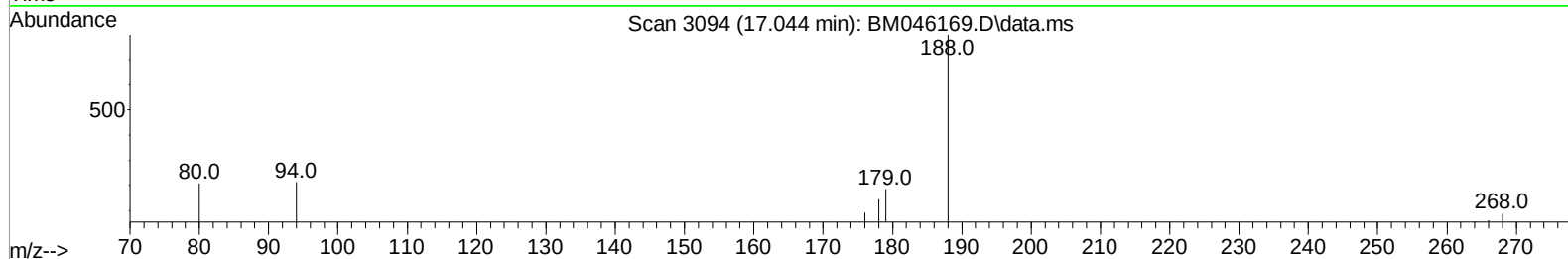
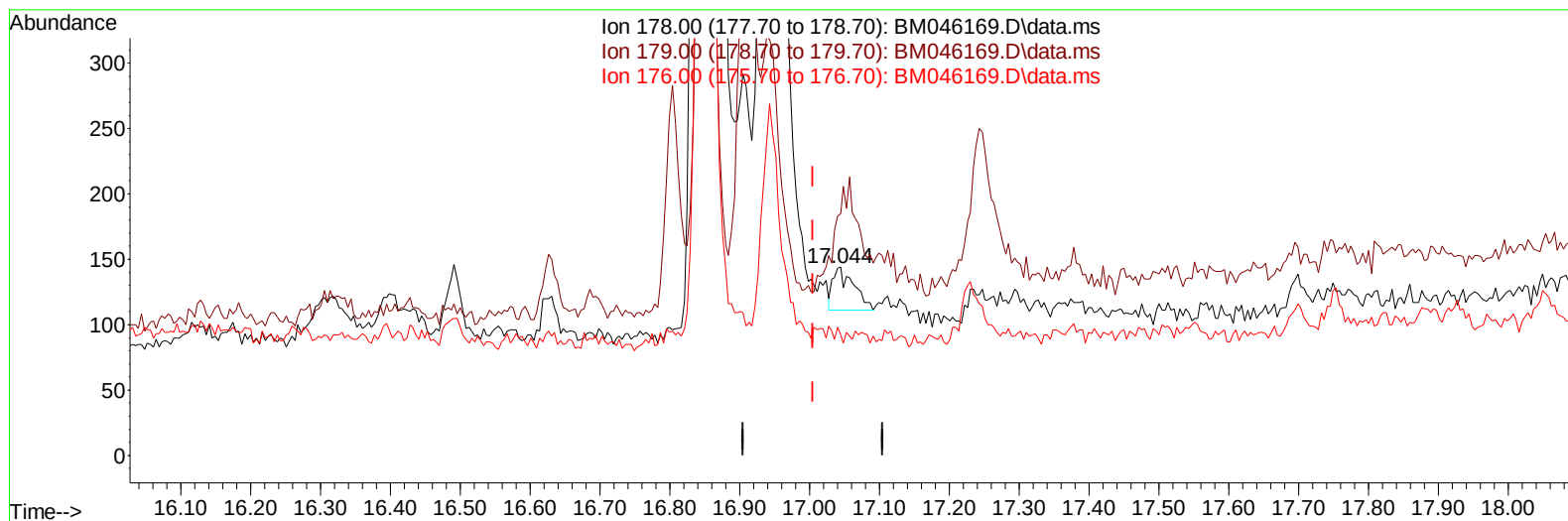
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046169.D
Acq On : 21 Jun 2024 20:43
Operator : MA/JU
Sample : P2754-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ6

Manual IntegrationsAPPROVED

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TIC: BM046169.D\data.ms

(16) Anthracene

17.044min (+ 0.039) 0.00 ng/u1

response 68

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	128.47#
176.00	21.20	63.89#
0.00	0.00	0.00

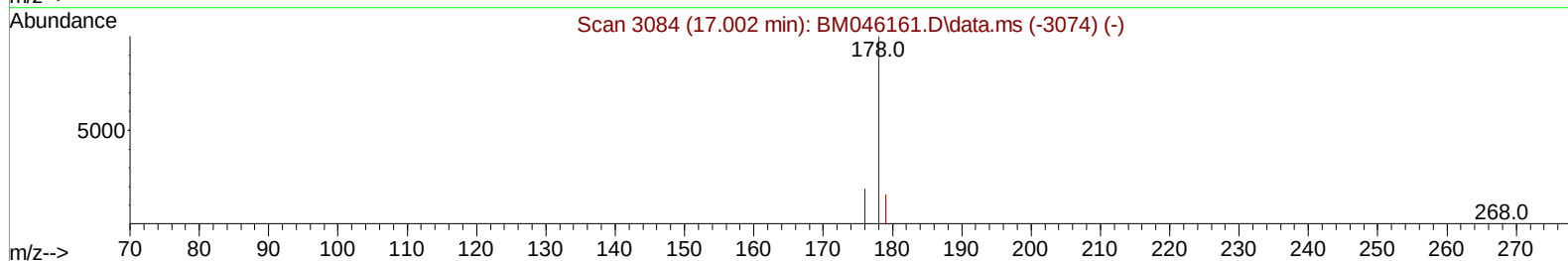
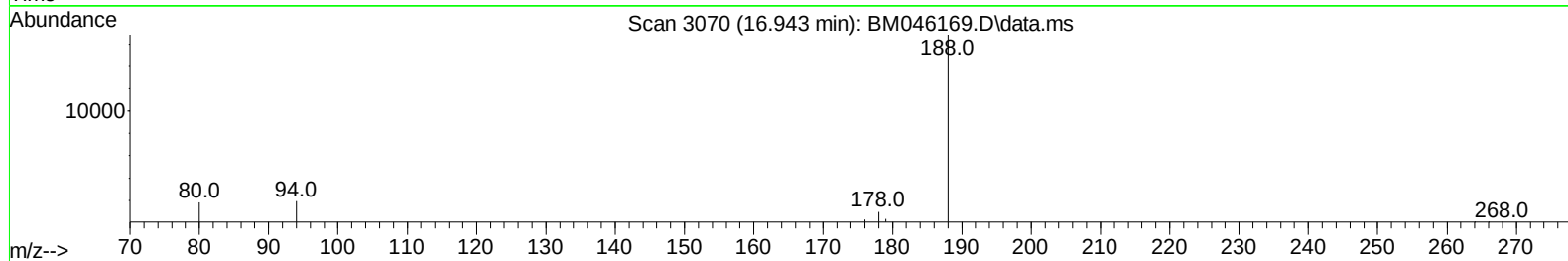
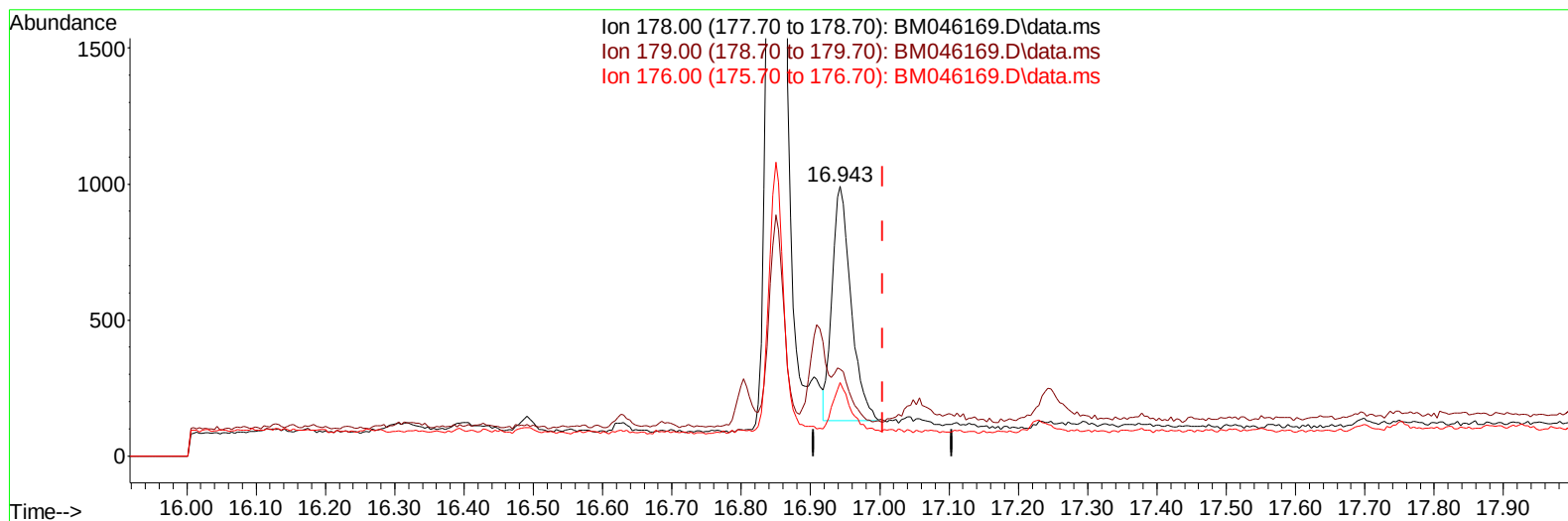
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046169.D
Acq On : 21 Jun 2024 20:43
Operator : MA/JU
Sample : P2754-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ6

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 06/24/2024



TIC: BM046169.D\data.ms

(16) Anthracene

16.943min (-0.062) 0.08 ng/ul m

response 1640

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	32.09#
176.00	21.20	27.14#
0.00	0.00	0.00

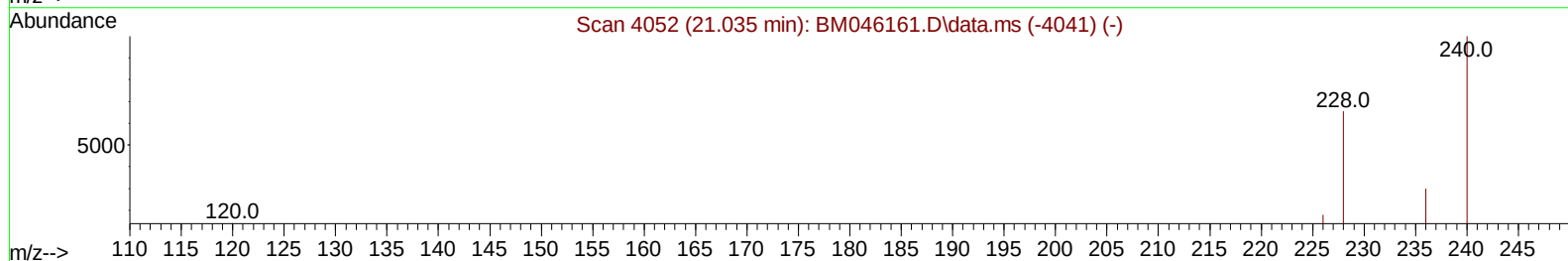
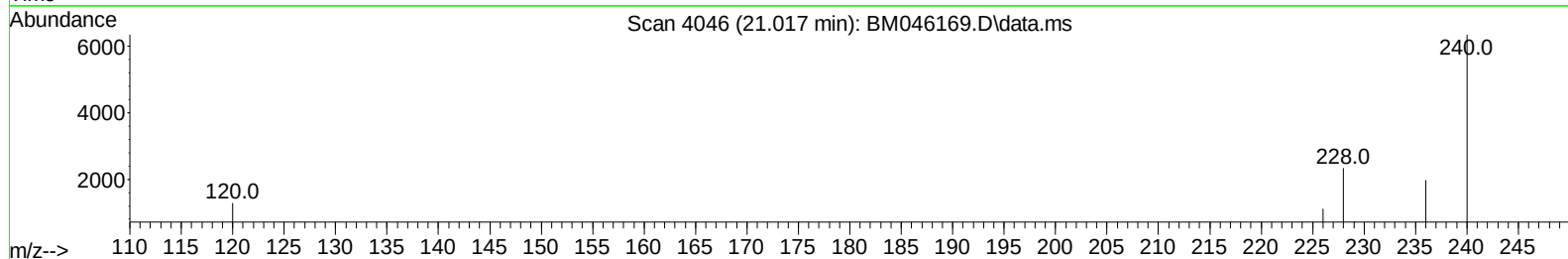
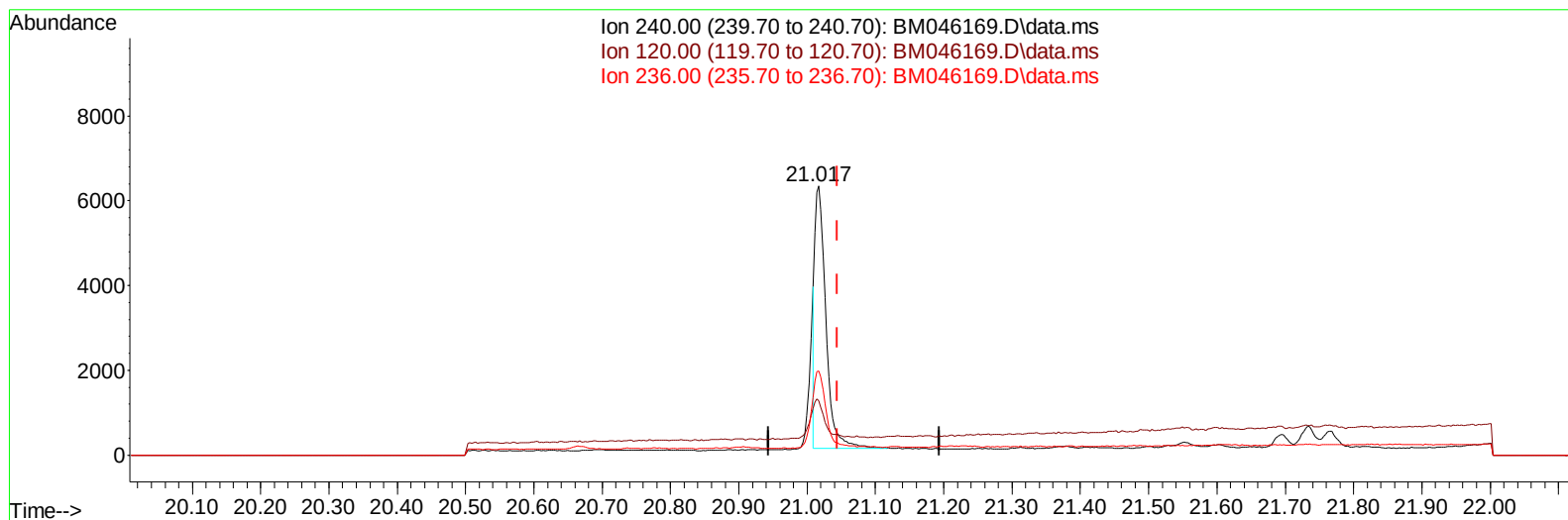
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046169.D
Acq On : 21 Jun 2024 20:43
Operator : MA/JU
Sample : P2754-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ6

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TIC: BM046169.D\data.ms

(17) Chrysene-d12

21.017min (-0.027) 0.40 ng/u1

response 7030

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	20.13
236.00	33.60	31.25
0.00	0.00	0.00

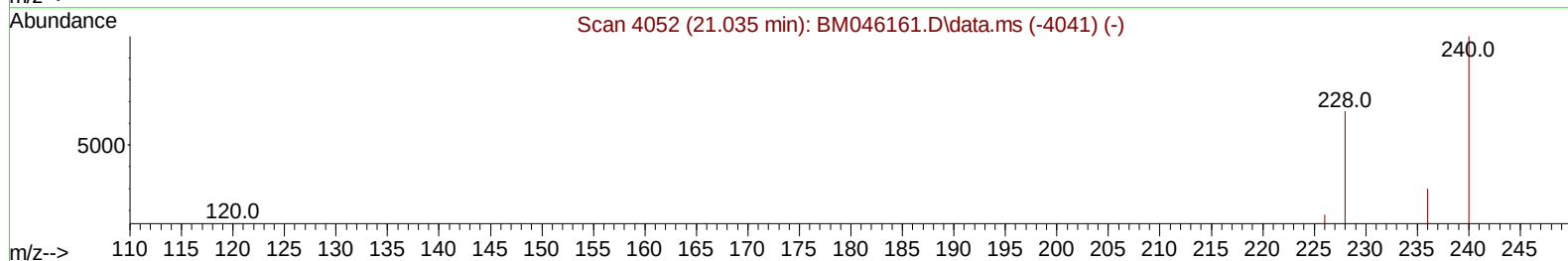
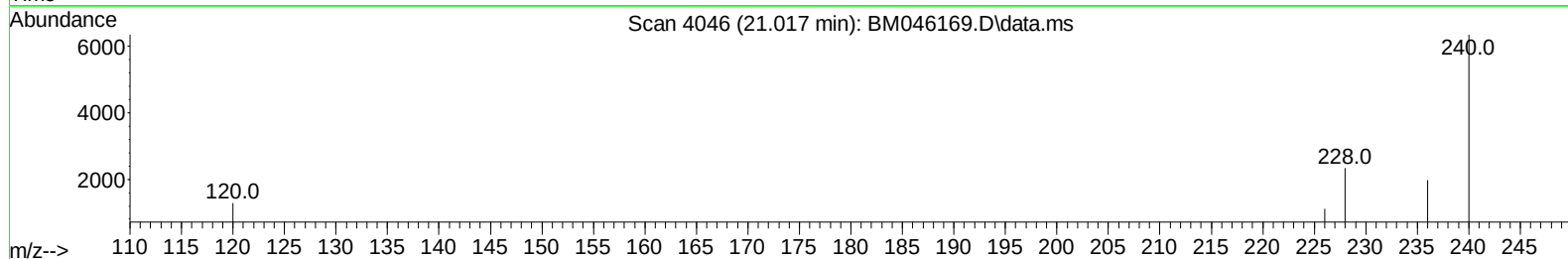
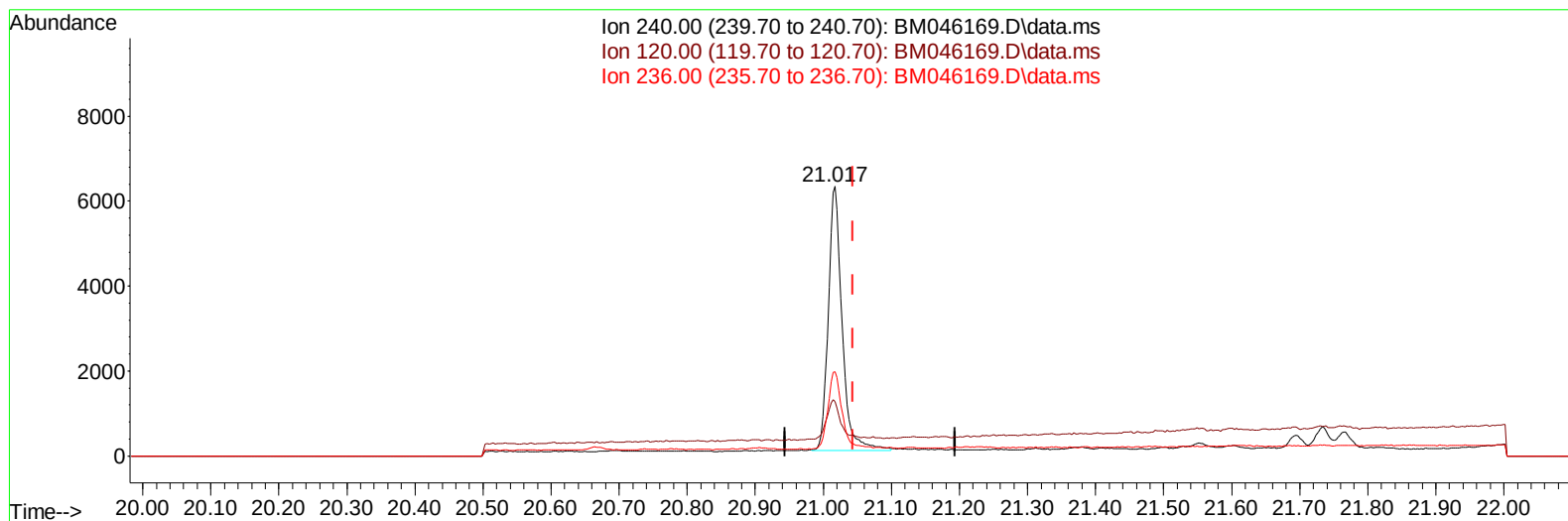
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046169.D
Acq On : 21 Jun 2024 20:43
Operator : MA/JU
Sample : P2754-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ6

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:28:05 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
Response via : Initial Calibration

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



TIC: BM046169.D\data.ms

(17) Chrysene-d12

21.017min (-0.027) 0.40 ng/ul m

response 8789

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	20.13
236.00	33.60	31.25
0.00	0.00	0.00

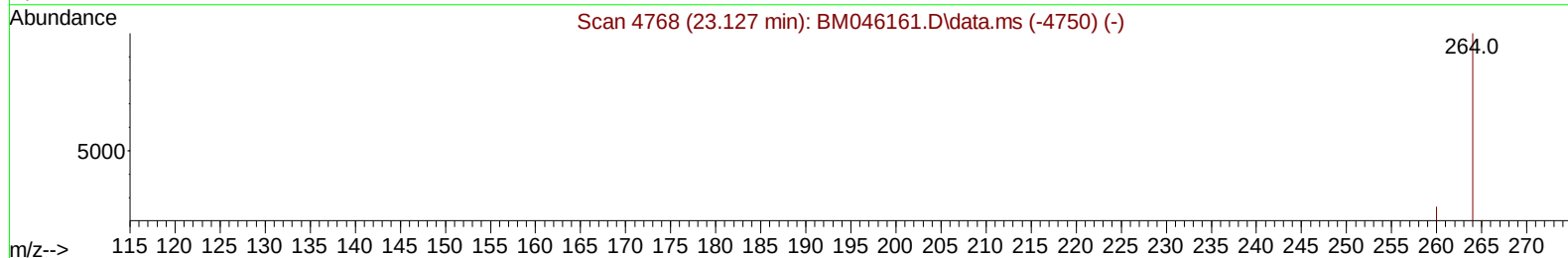
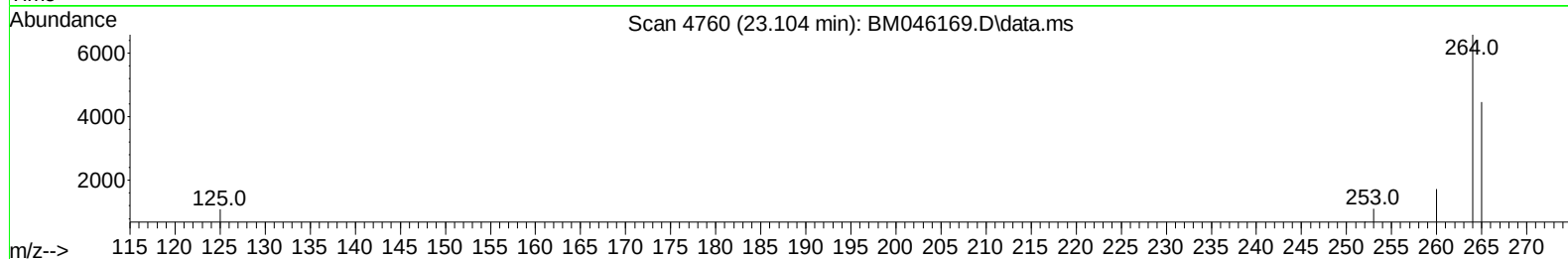
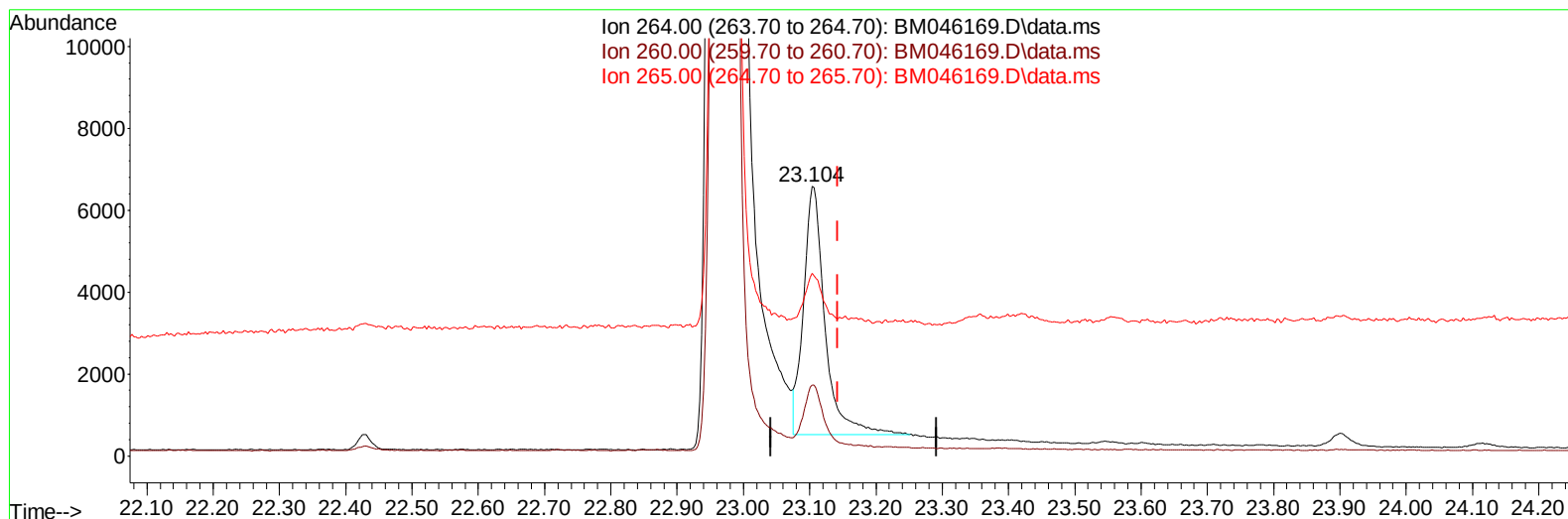
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046169.D
Acq On : 21 Jun 2024 20:43
Operator : MA/JU
Sample : P2754-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ6

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TIC: BM046169.D\data.ms

(23) Perylene-d12 (I)

23.104min (-0.038) 0.40 ng/u1

response 13802

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	26.34
265.00	110.60	67.83#
0.00	0.00	0.00

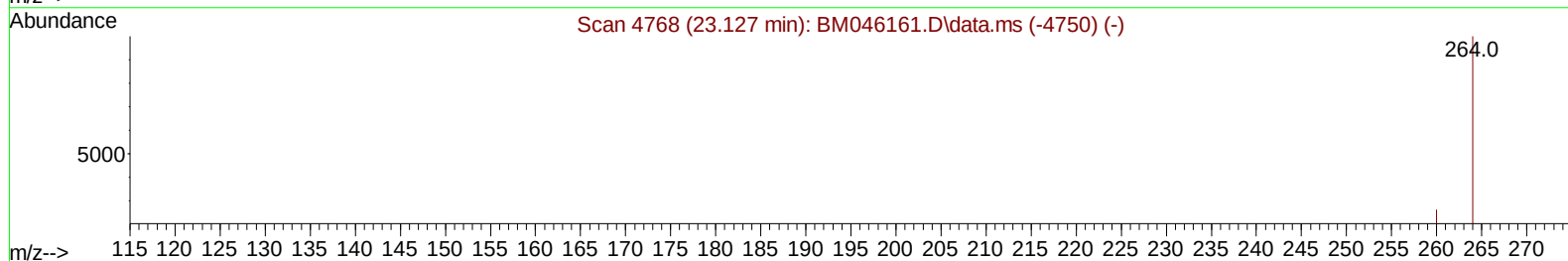
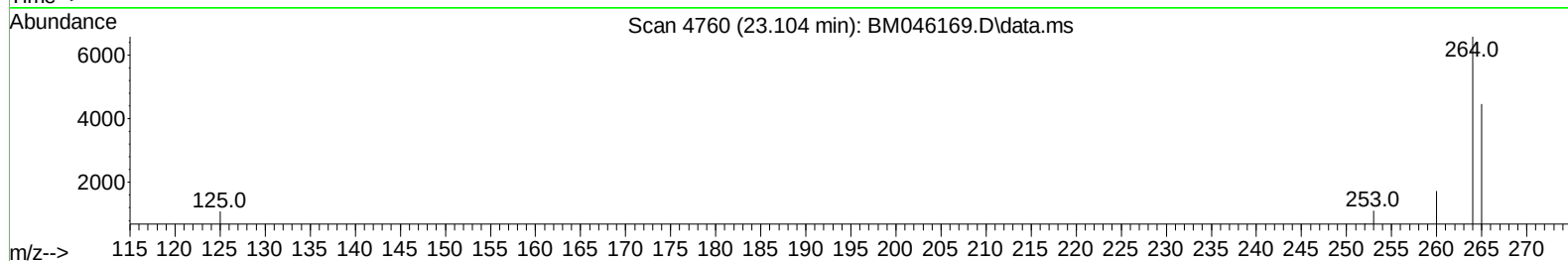
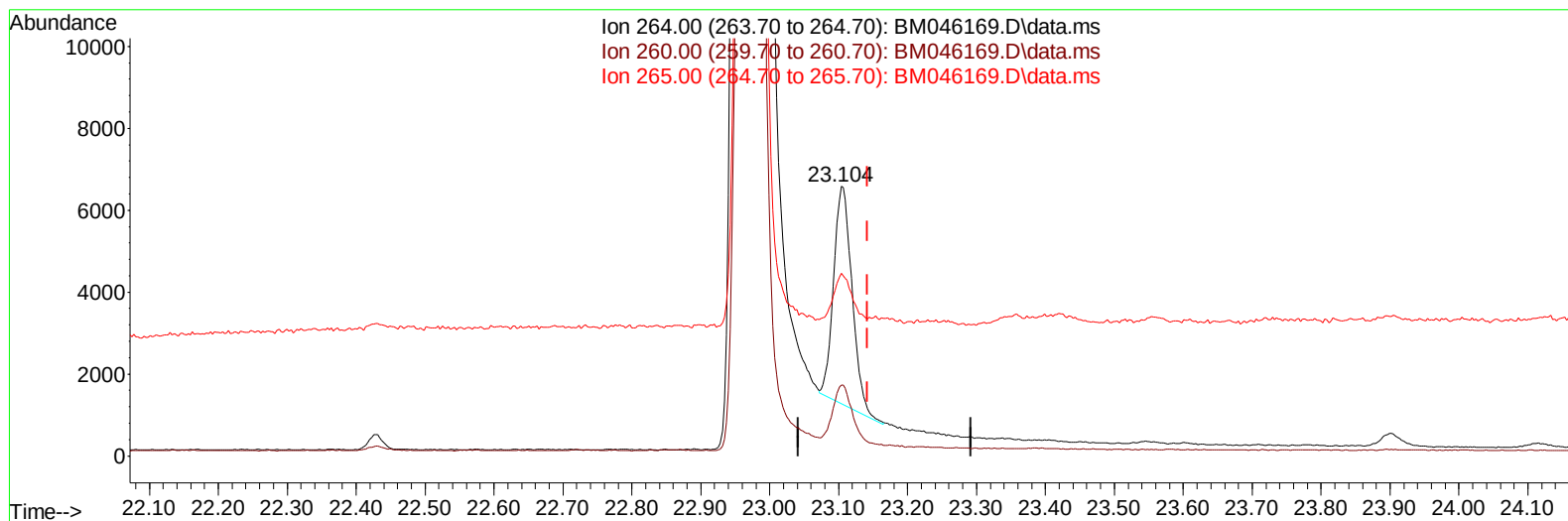
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046169.D
Acq On : 21 Jun 2024 20:43
Operator : MA/JU
Sample : P2754-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ6

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:28:05 2024
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Supervised By :mohammad ahmed 06/24/2024



TIC: BM046169.D\data.ms

(23) Perylene-d12 (I)

23.104min (-0.038) 0.40 ng/ul m

response 9839

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	26.34
265.00	110.60	67.83#
0.00	0.00	0.00

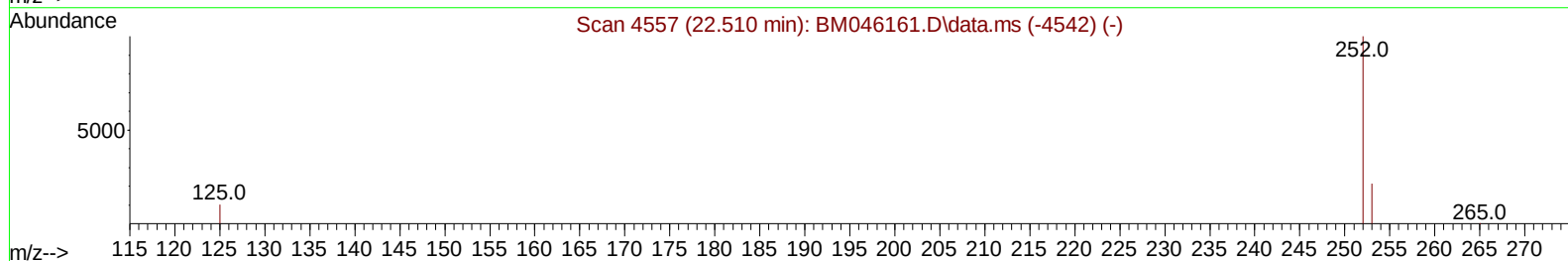
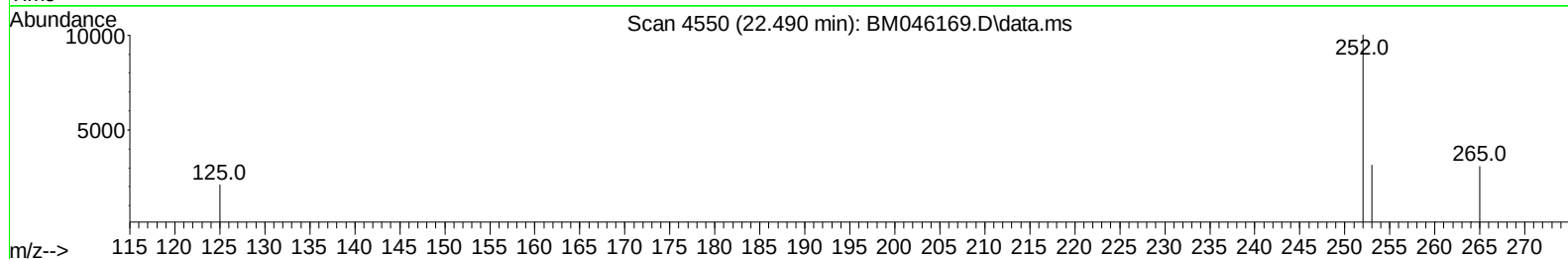
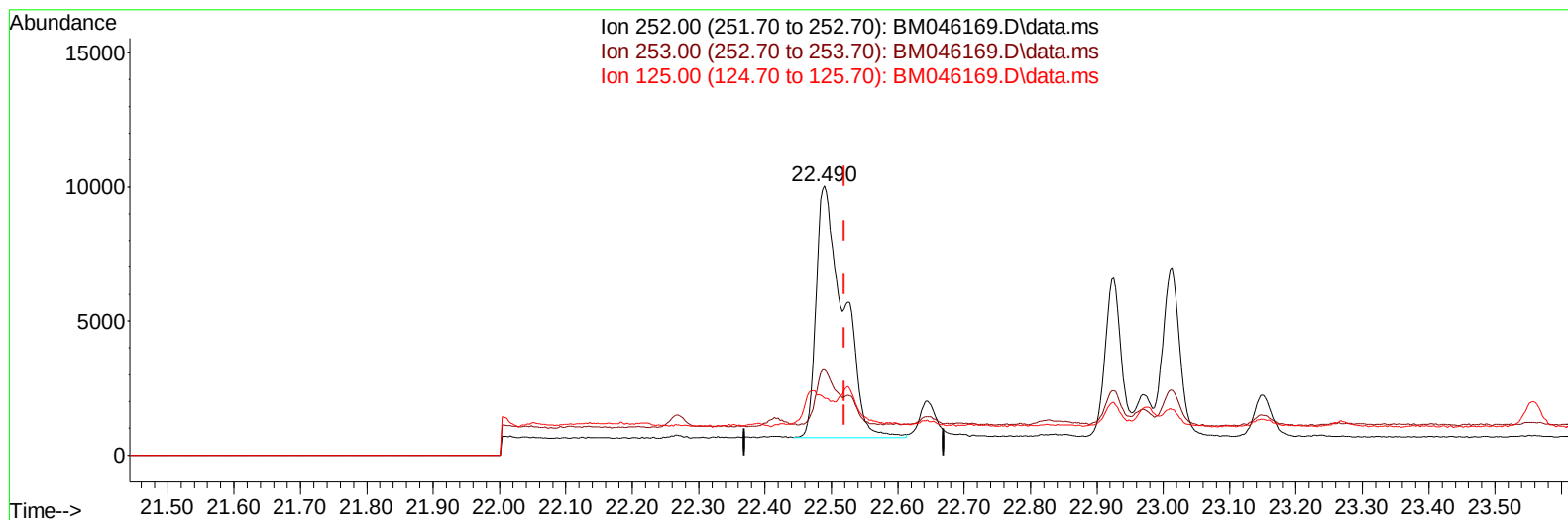
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
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ClientSampleId :
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TIC: BM046169.D\data.ms

(24) Benzo(b)fluoranthene

22.490min (-0.030) 0.76 ng/u1

response 26863

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	31.62
125.00	20.10	21.20
0.00	0.00	0.00

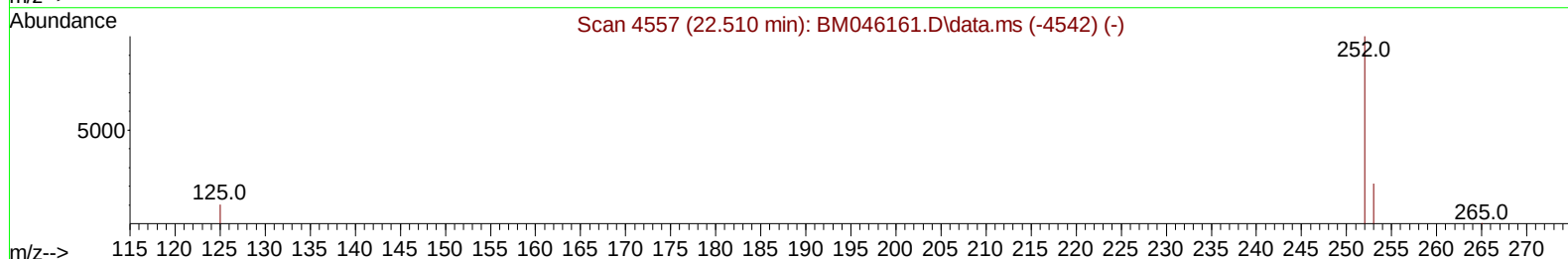
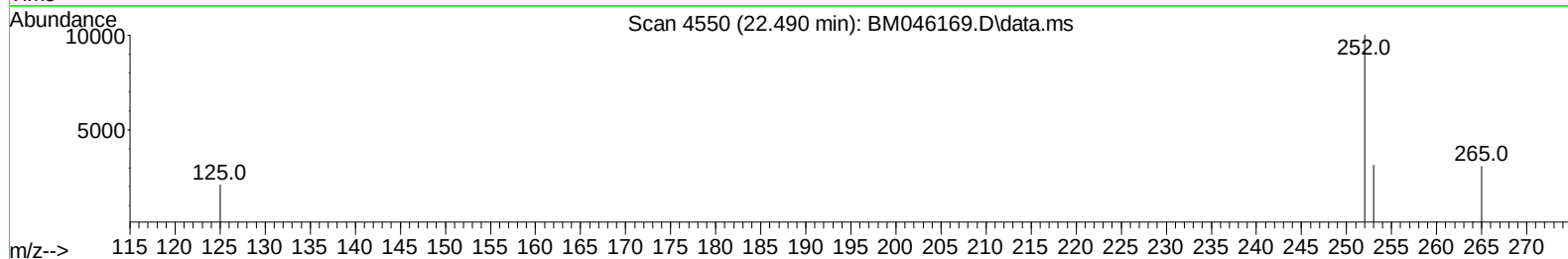
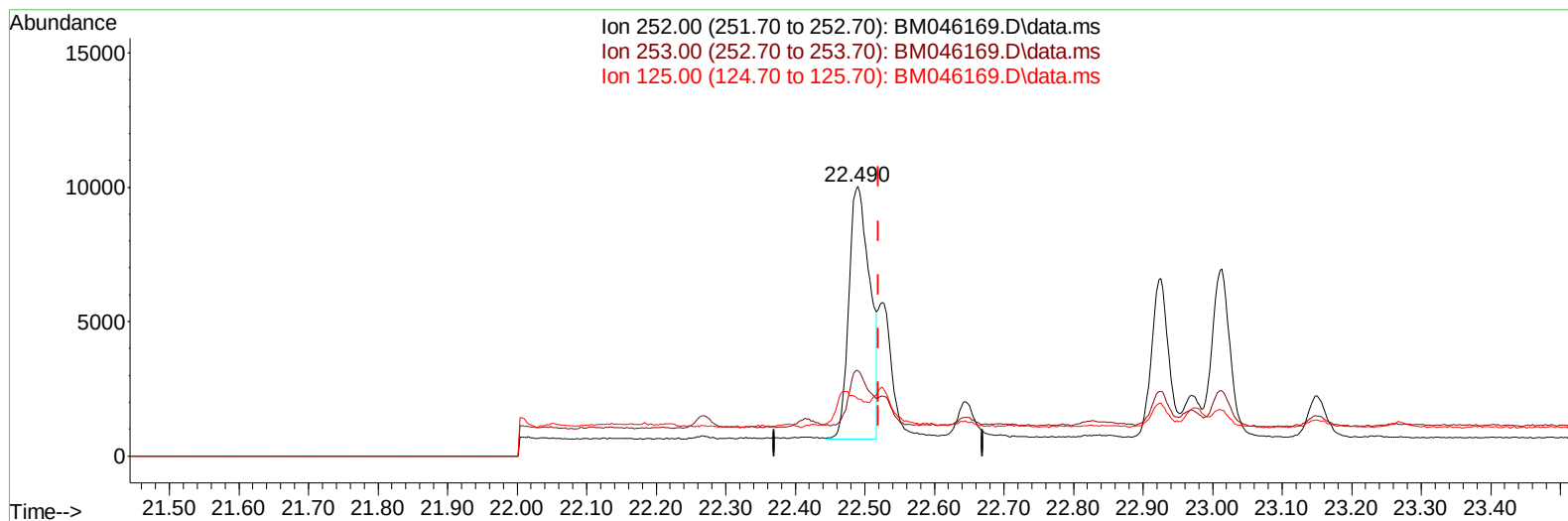
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046169.D
Acq On : 21 Jun 2024 20:43
Operator : MA/JU
Sample : P2754-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ6

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TIC: BM046169.D\data.ms

(24) Benzo(b)fluoranthene

22.490min (-0.030) 0.55 ng/ul m

response 19611

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	31.62
125.00	20.10	21.20
0.00	0.00	0.00

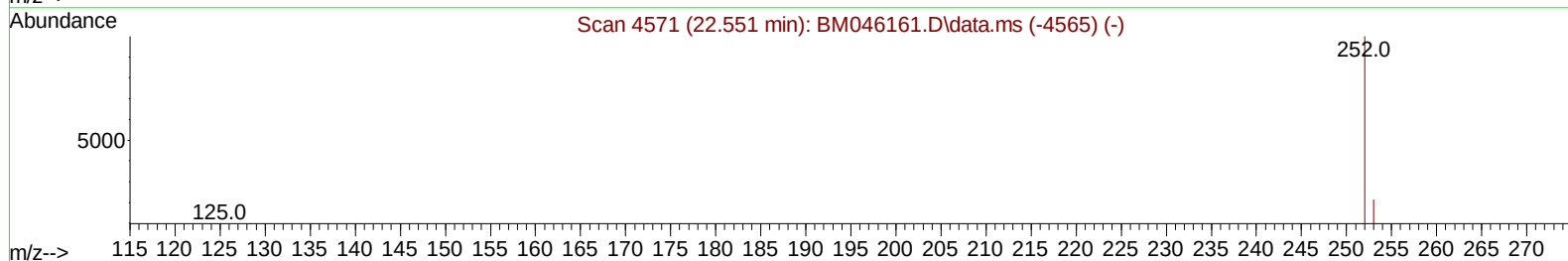
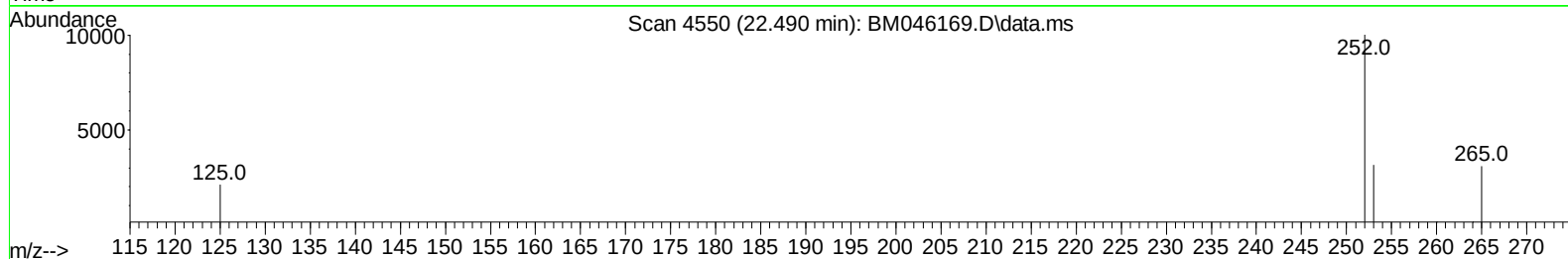
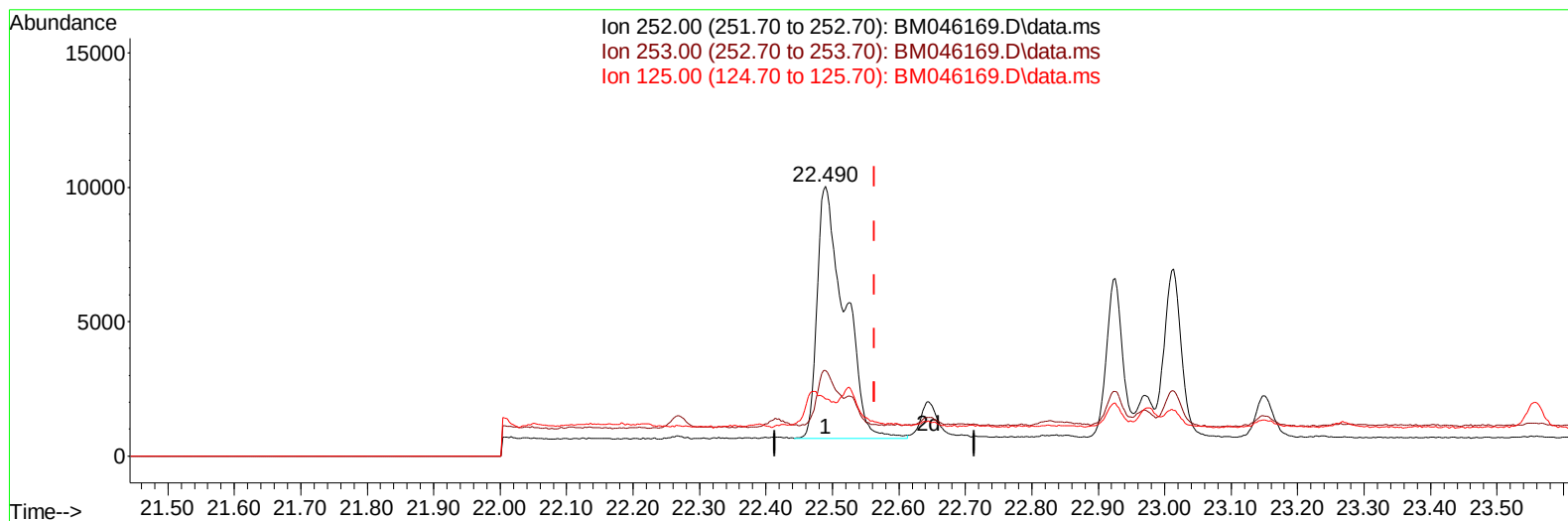
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046169.D
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Supervised By :mohammad ahmed 06/24/2024



TIC: BM046169.D\data.ms

(25) Benzo(k)fluoranthene

22.490min (-0.074) 0.64 ng/u1

response 26863

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	31.62
125.00	20.80	21.20
0.00	0.00	0.00

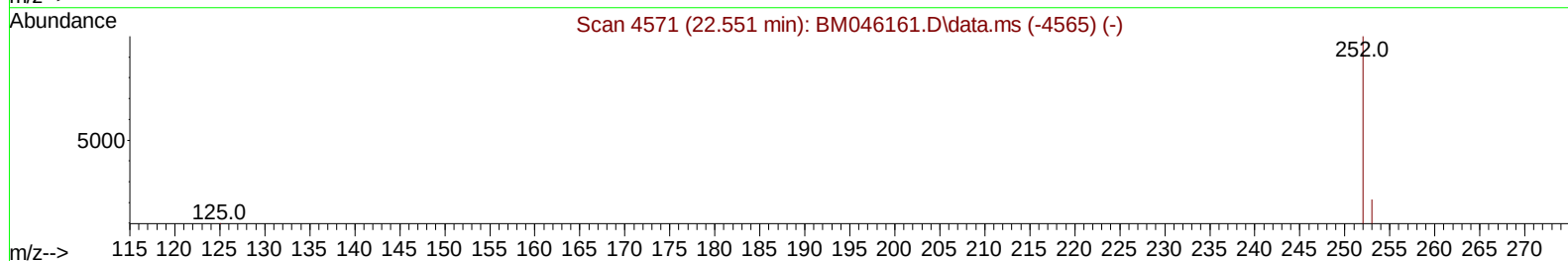
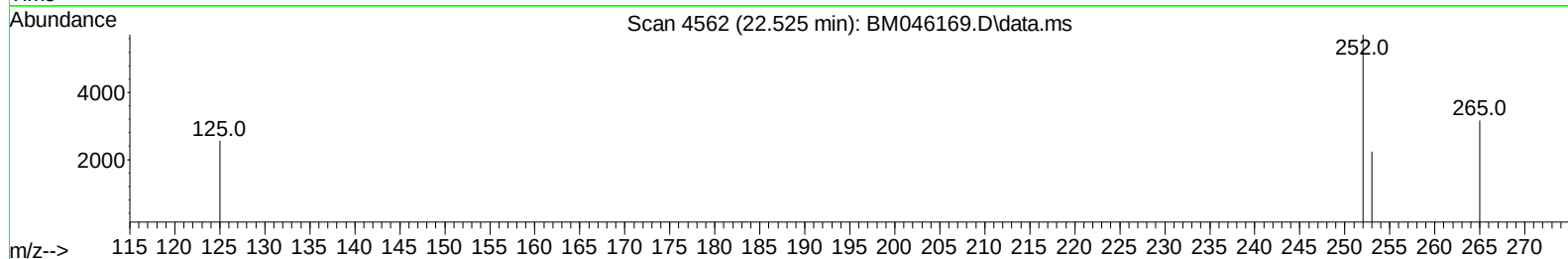
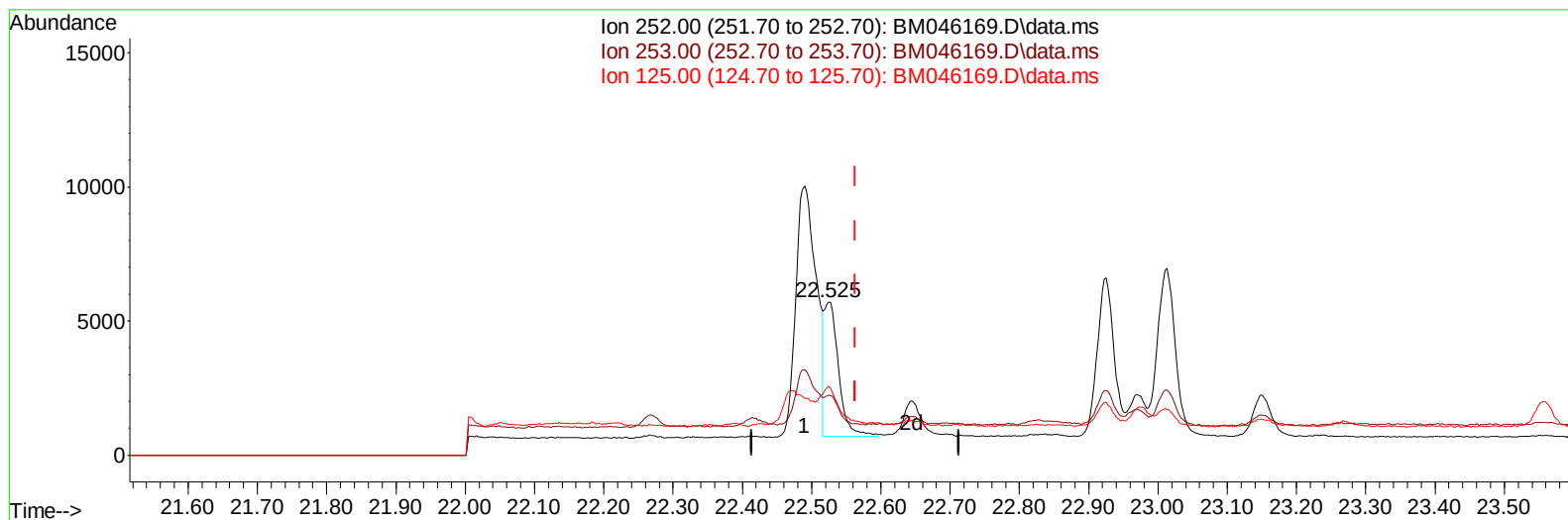
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046169.D
Acq On : 21 Jun 2024 20:43
Operator : MA/JU
Sample : P2754-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ6

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:28:05 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: BM046169.D\data.ms

(25) Benzo(k)fluoranthene

22.525min (-0.038) 0.17 ng/ul m

response 7169

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	39.02
125.00	20.80	44.77#
0.00	0.00	0.00

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.413	152		2840	0.400	ng/ul	-0.05
4) Naphthalene-d8	10.189	136		8697	0.400	ng/ul	-0.06
9) Acenaphthene-d10	14.067	164		4899	0.400	ng/ul	-0.04
13) Phenanthrene-d10	16.812	188		10397m	0.400	ng/ul	-0.05
17) Chrysene-d12	21.017	240		8789m	0.400	ng/ul	-0.03
23) Perylene-d12	23.104	264		9839m	0.400	ng/ul	-0.04
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.029	96		11481	2.947	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	11.816	152		2801	0.240	ng/ul	-0.05
18) Fluoranthene-d10	18.844	212		6518	0.248	ng/ul	-0.04
Target Compounds							
							Qvalue
5) Naphthalene	10.238	128		505	0.021	ng/ul#	59
10) Acenaphthylene	13.785	152		1422	0.061	ng/ul#	82
15) Phenanthrene	16.850	178		7543m	0.258	ng/ul	
16) Anthracene	16.943	178		1640m	0.075	ng/ul	
19) Fluoranthene	18.877	202		22178	0.583	ng/ul	97
20) Pyrene	19.239	202		20297	0.493	ng/ul	97
21) Benzo(a)anthracene	21.000	228		10587	0.312	ng/ul	95
22) Chrysene	21.052	228		10975	0.253	ng/ul	96
24) Benzo(b)fluoranthene	22.490	252		19611m	0.553	ng/ul	
25) Benzo(k)fluoranthene	22.525	252		7169m	0.170	ng/ul	
26) Benzo(a)pyrene	23.013	252		11369	0.346	ng/ul	93
27) Indeno(1,2,3-cd)pyrene	25.162	276		10651	0.198	ng/ul#	95
28) Dibenzo(a,h)anthracene	25.162	278		2245	0.056	ng/ul#	25
29) Benzo(g,h,i)perylene	25.782	276		11240	0.244	ng/ul	94

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

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