

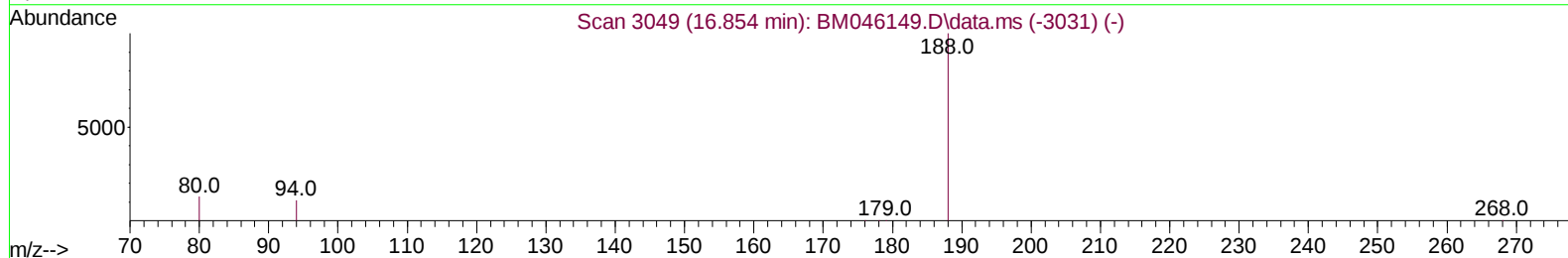
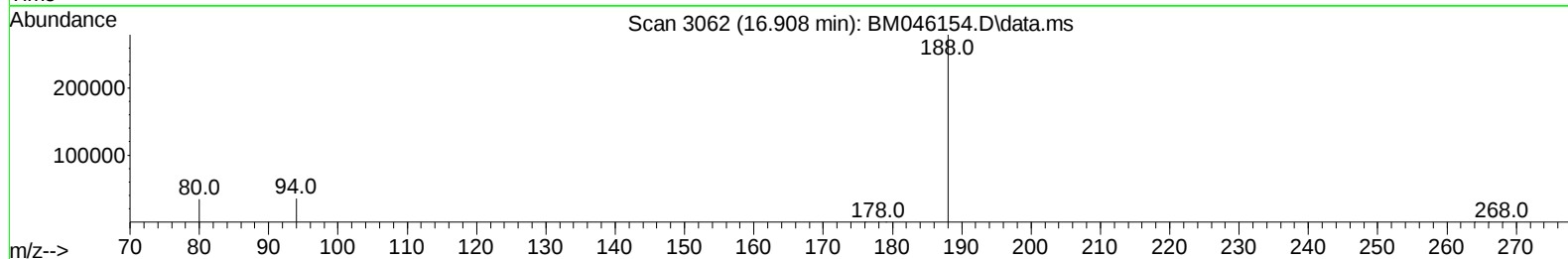
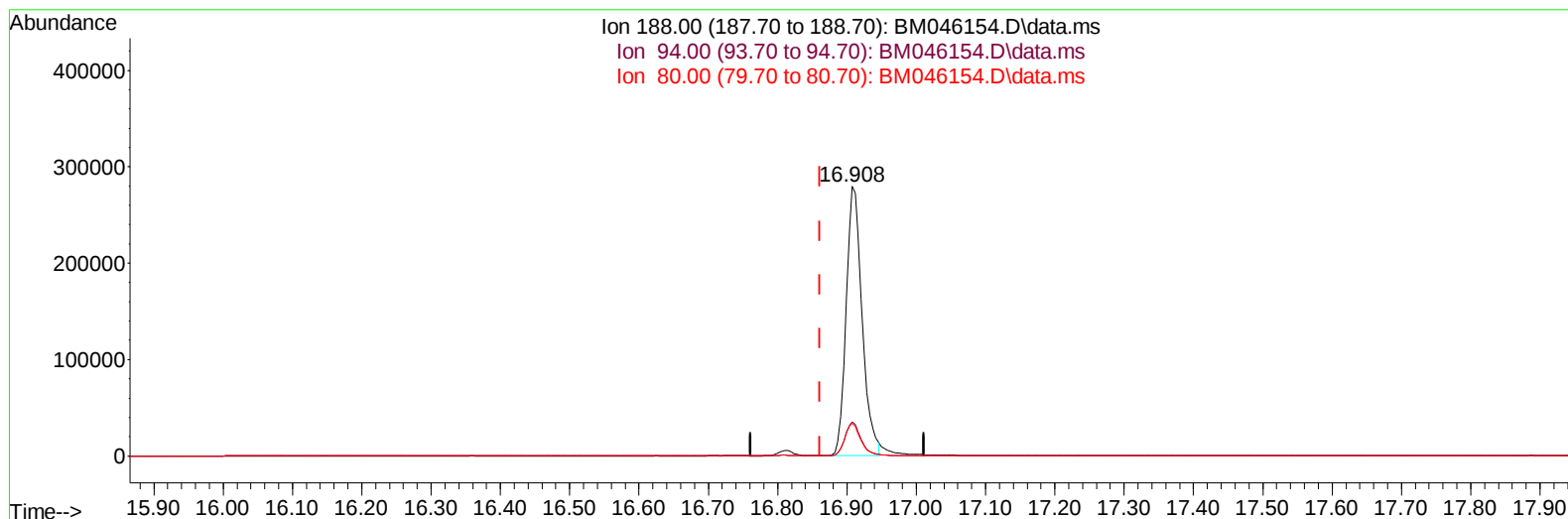
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046154.D
Acq On : 21 Jun 2024 11:28
Operator : MA/JU
Sample : P2754-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP5

Manual IntegrationsAPPROVED

Quant Time: Jun 21 12:54:31 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: BM046154.D\data.ms

(13) Phenanthrene-d10 (I)

16.908min (+ 0.046) 0.40 ng/u1

response 449066

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.65
80.00	15.20	12.13#
0.00	0.00	0.00

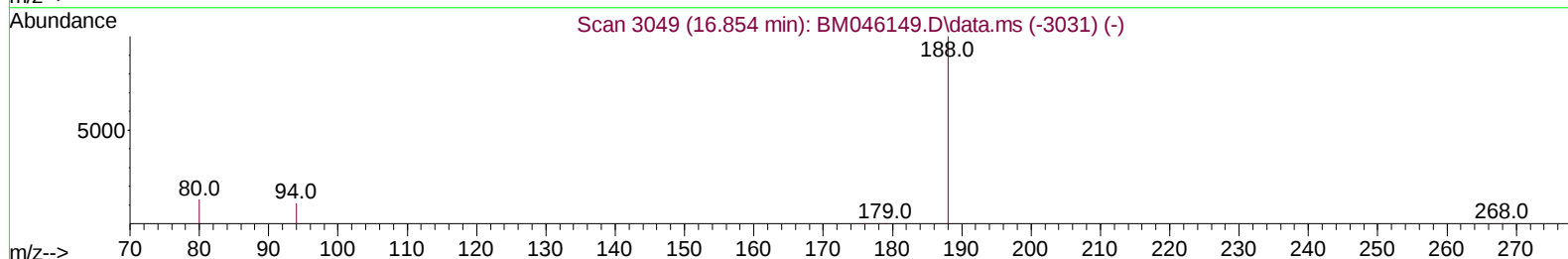
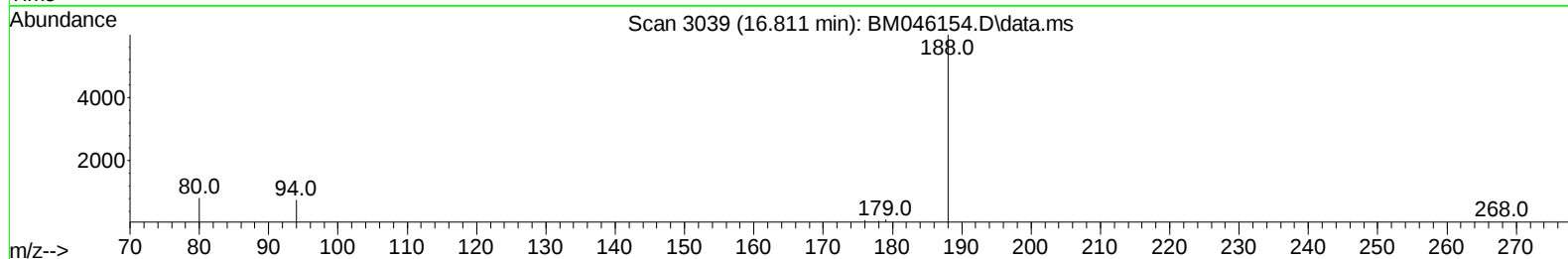
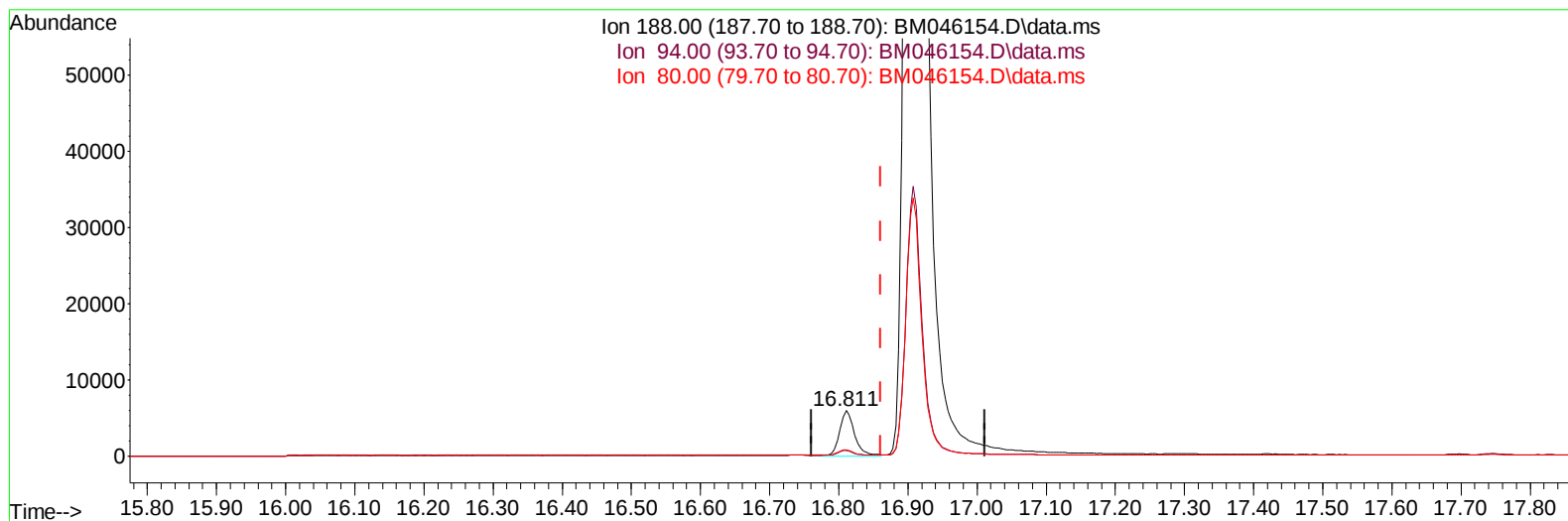
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046154.D
Acq On : 21 Jun 2024 11:28
Operator : MA/JU
Sample : P2754-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP5

Manual IntegrationsAPPROVED

Quant Time: Jun 21 12:54:31 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: BM046154.D\data.ms

(13) Phenanthrene-d10 (I)

16.811min (-0.051) 0.40 ng/u1 m

response 8919

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.53
80.00	15.20	13.58
0.00	0.00	0.00

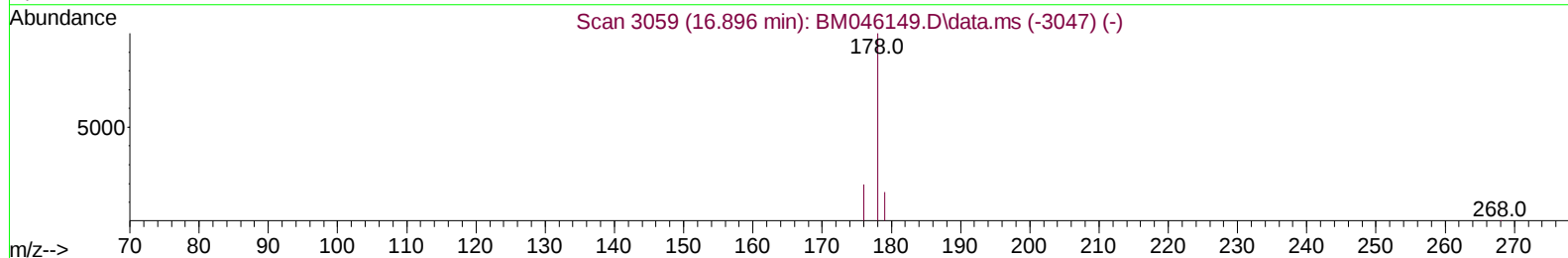
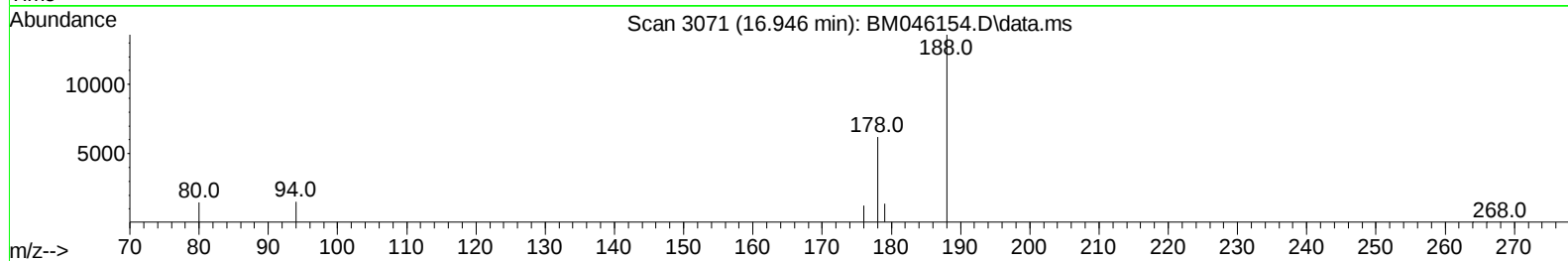
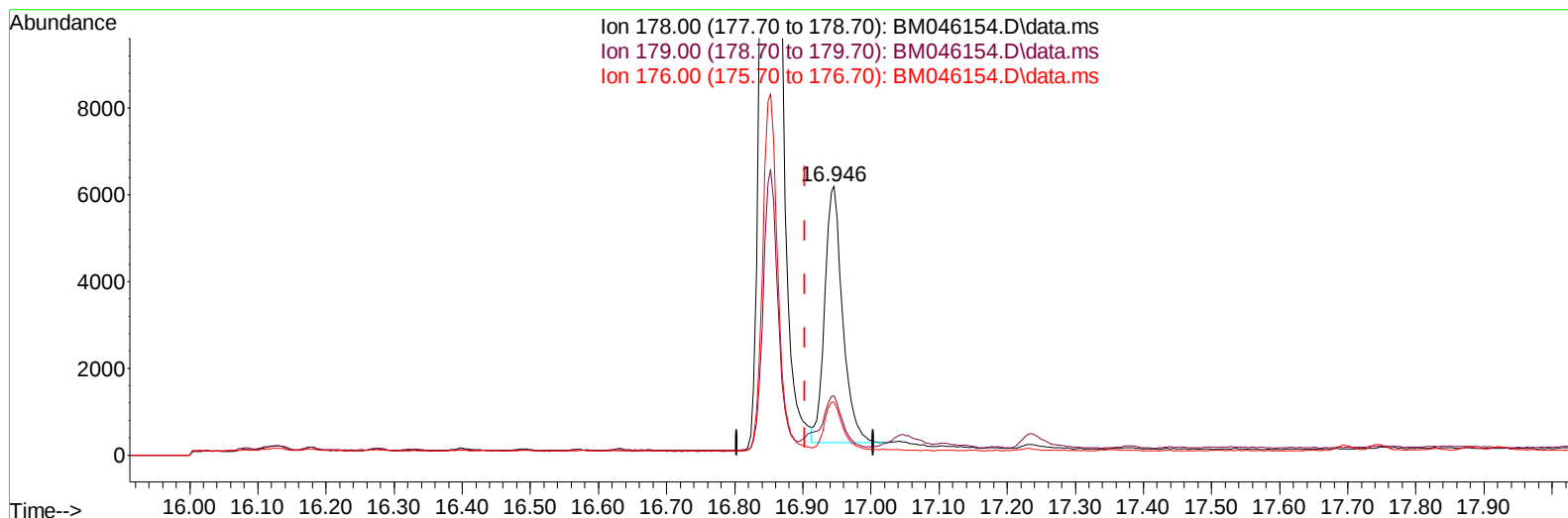
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046154.D
Acq On : 21 Jun 2024 11:28
Operator : MA/JU
Sample : P2754-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP5

Manual IntegrationsAPPROVED

Quant Time: Jun 21 12:54:31 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: BM046154.D\data.ms

(15) Phenanthrene

16.946min (+ 0.042) 0.43 ng/u1

response 10753

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	22.03#
176.00	21.40	19.79
0.00	0.00	0.00

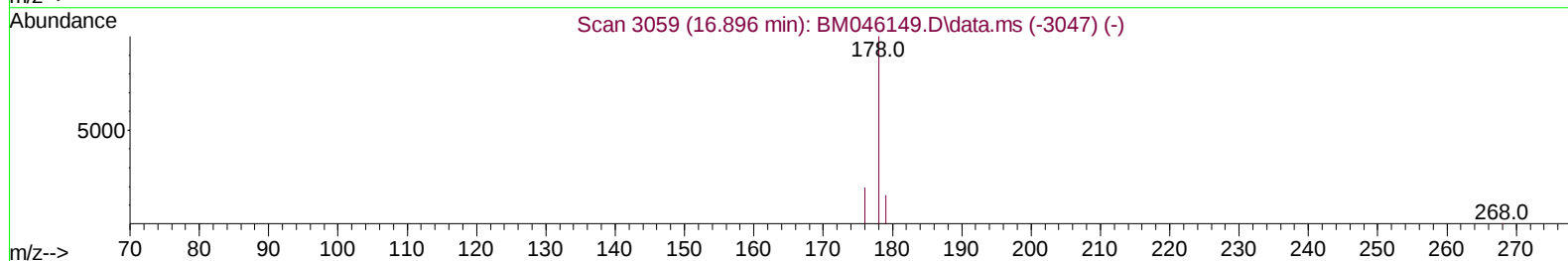
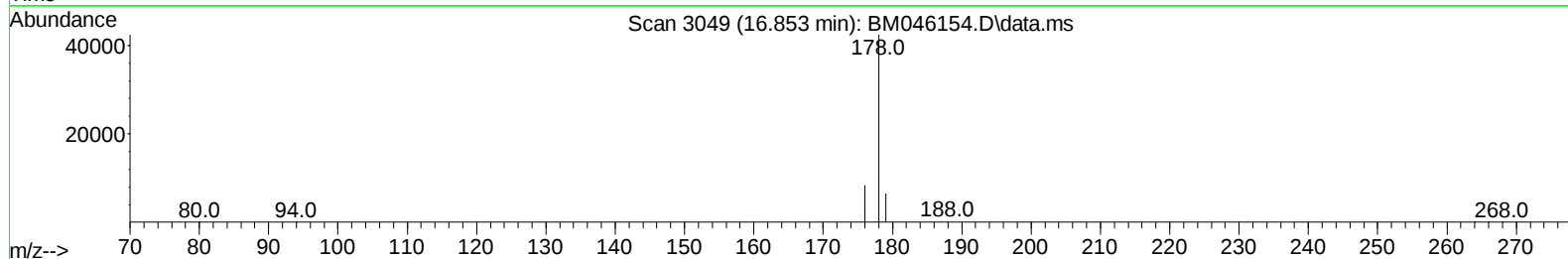
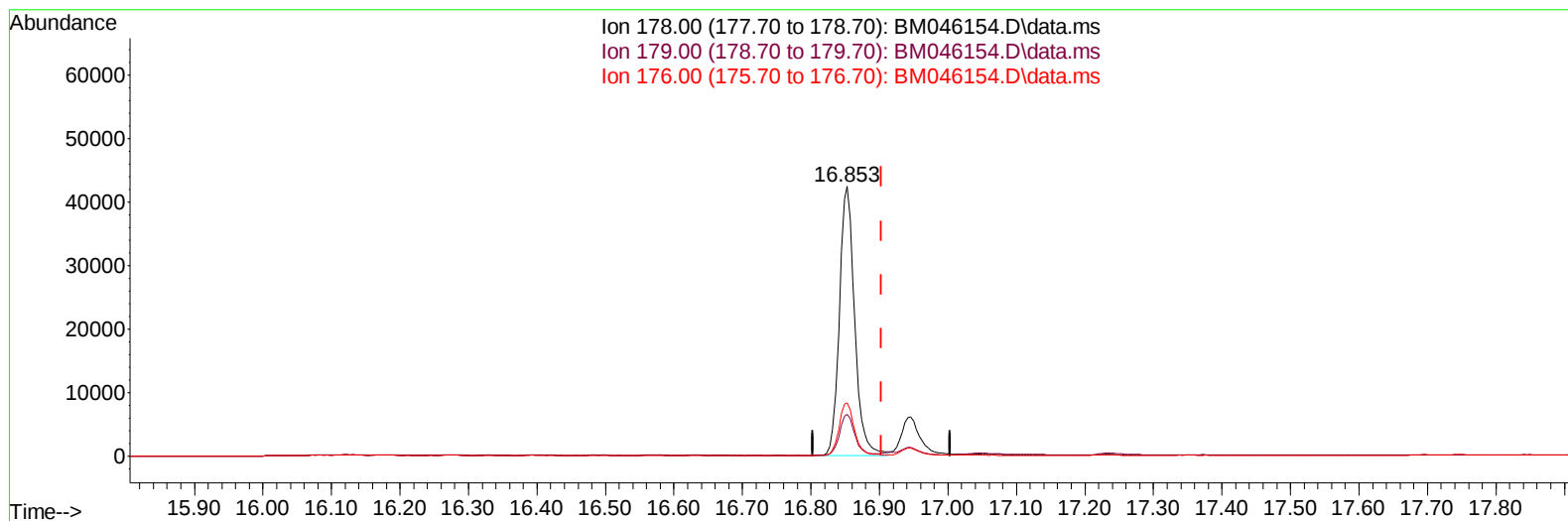
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046154.D
 Acq On : 21 Jun 2024 11:28
 Operator : MA/JU
 Sample : P2754-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BP5

Manual IntegrationsAPPROVED

Quant Time: Jun 21 12:54:31 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: BM046154.D\data.ms

(15) Phenanthrene

16.853min (-0.051) 2.62 ng/ul m

response 65695

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.51
176.00	21.40	19.65
0.00	0.00	0.00

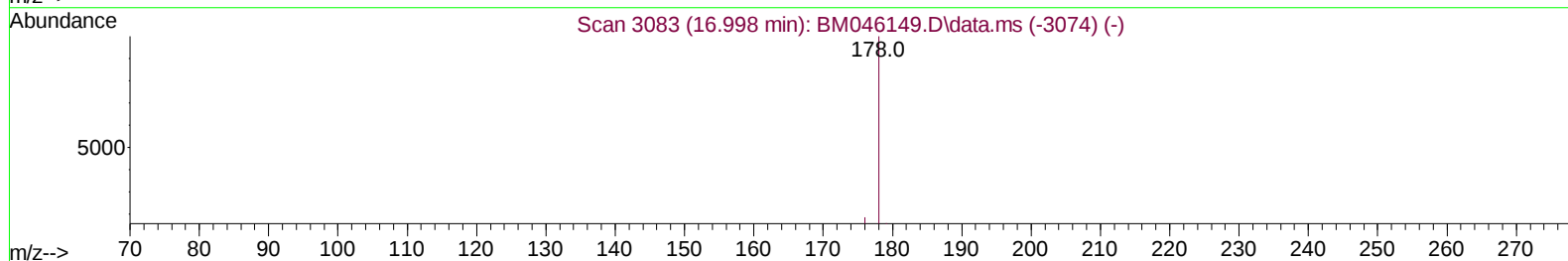
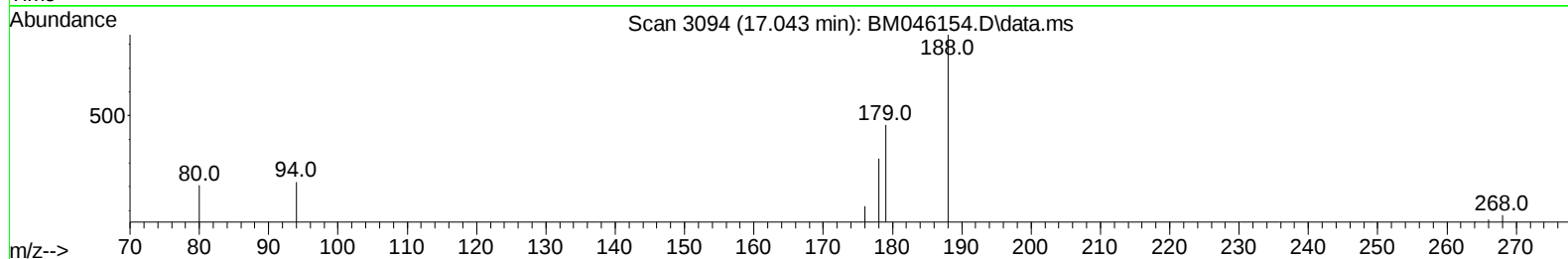
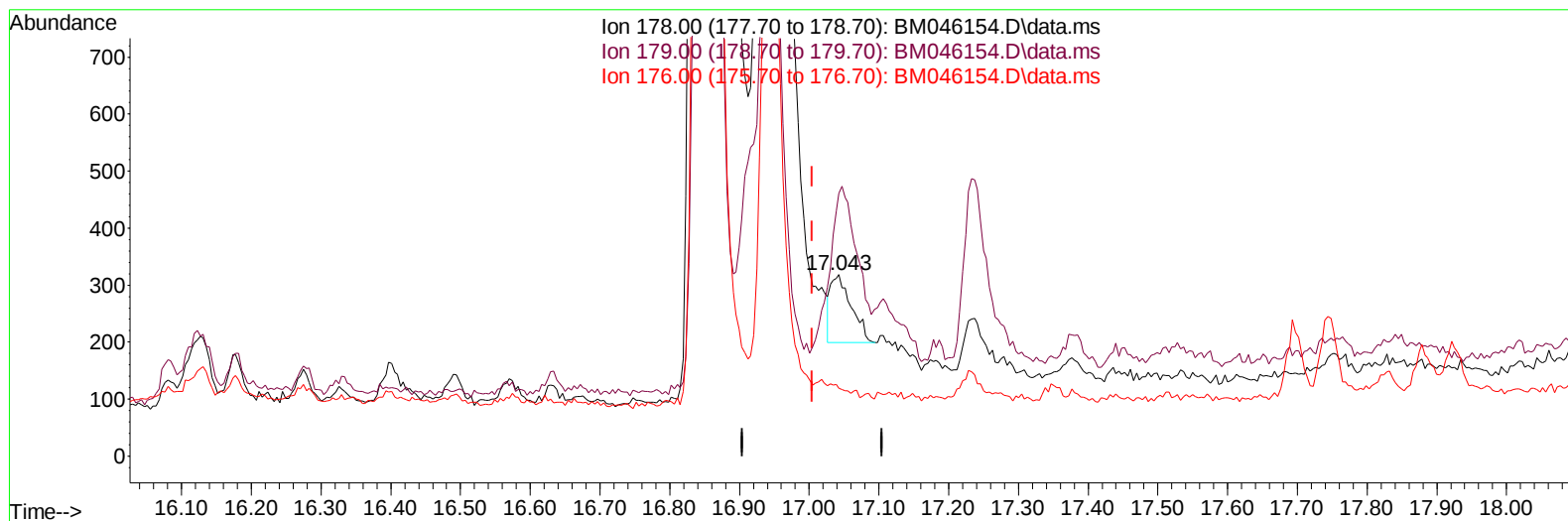
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046154.D
Acq On : 21 Jun 2024 11:28
Operator : MA/JU
Sample : P2754-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP5

Manual IntegrationsAPPROVED

Quant Time: Jun 21 12:54:31 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: BM046154.D\data.ms

(16) Anthracene

17.043min (+ 0.038) 0.01 ng/u1

response 246

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	144.51#
176.00	21.20	37.30#
0.00	0.00	0.00

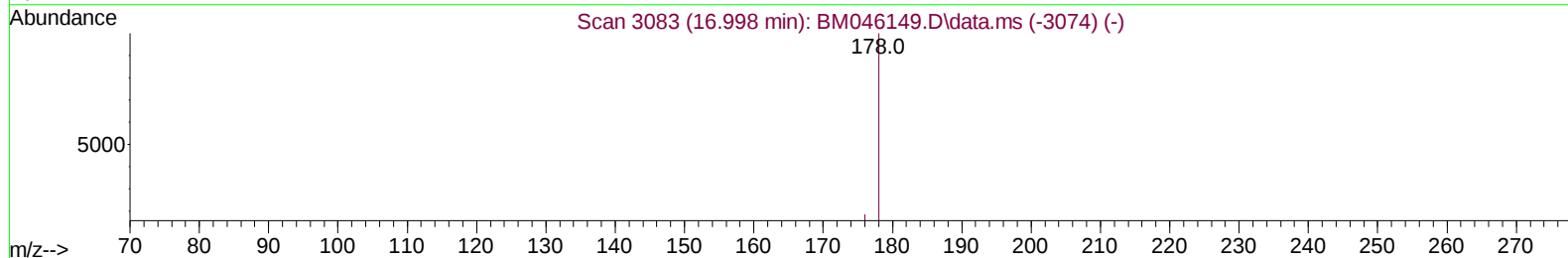
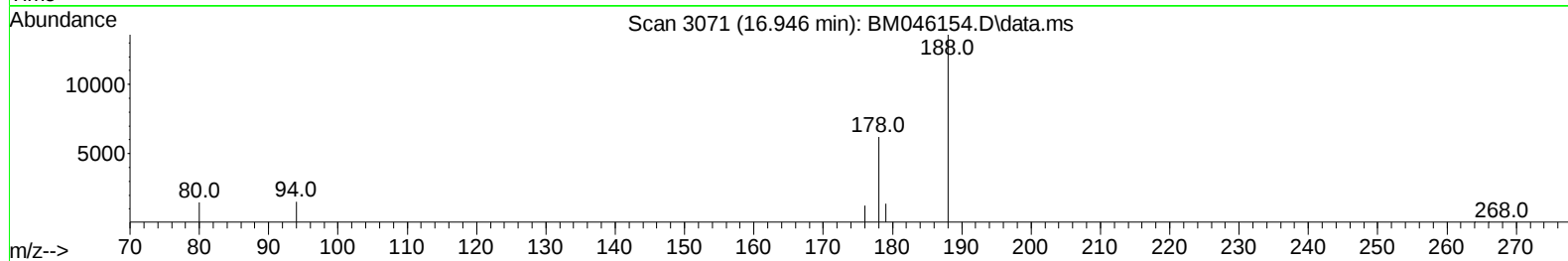
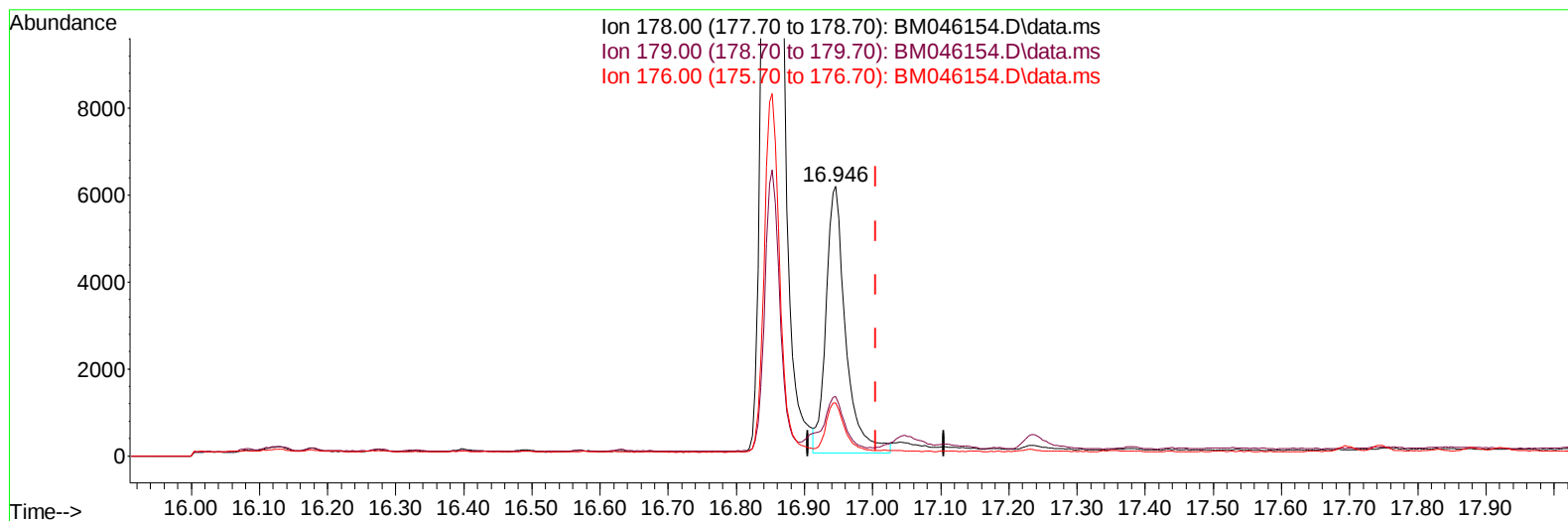
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046154.D
Acq On : 21 Jun 2024 11:28
Operator : MA/JU
Sample : P2754-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP5

Manual IntegrationsAPPROVED

Quant Time: Jun 21 12:54:31 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: BM046154.D\data.ms

(16) Anthracene

16.946min (-0.059) 0.65 ng/u1 m

response 12216

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	22.03
176.00	21.20	19.79
0.00	0.00	0.00

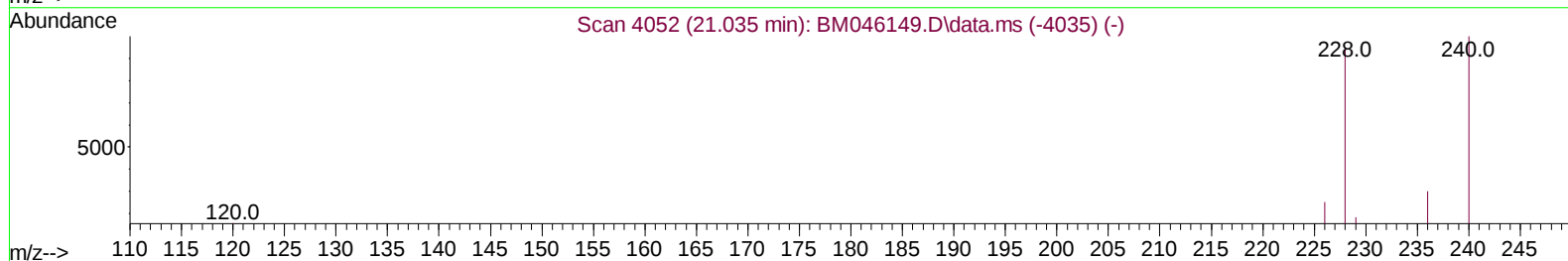
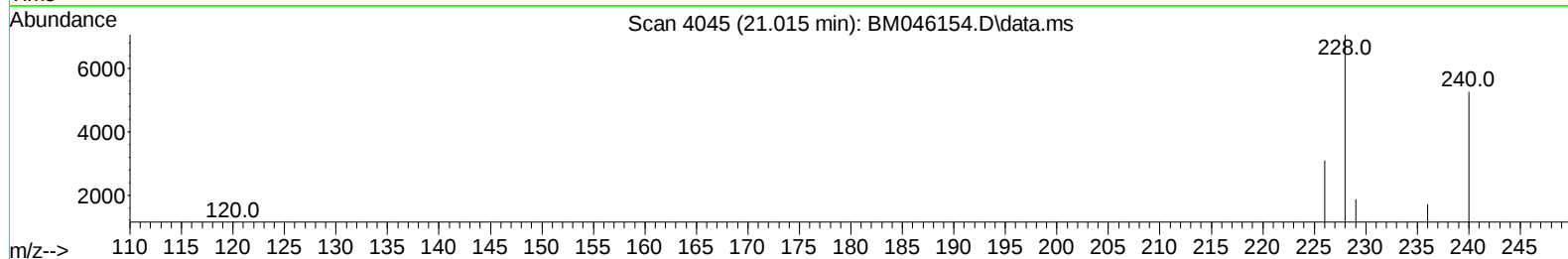
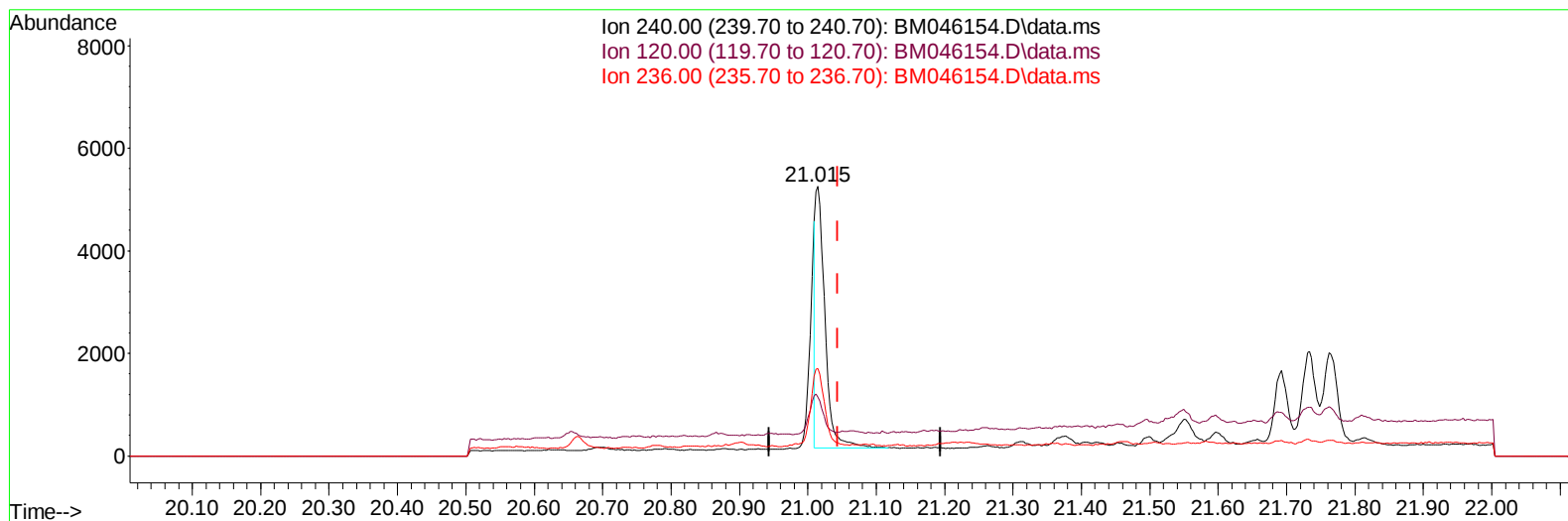
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046154.D
Acq On : 21 Jun 2024 11:28
Operator : MA/JU
Sample : P2754-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP5

Manual IntegrationsAPPROVED

Quant Time: Jun 21 12:54:31 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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Supervised By :mohammad ahmed 06/24/2024



TIC: BM046154.D\data.ms

(17) Chrysene-d12

21.015min (-0.029) 0.40 ng/u1

response 5019

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	21.86
236.00	33.60	32.50
0.00	0.00	0.00

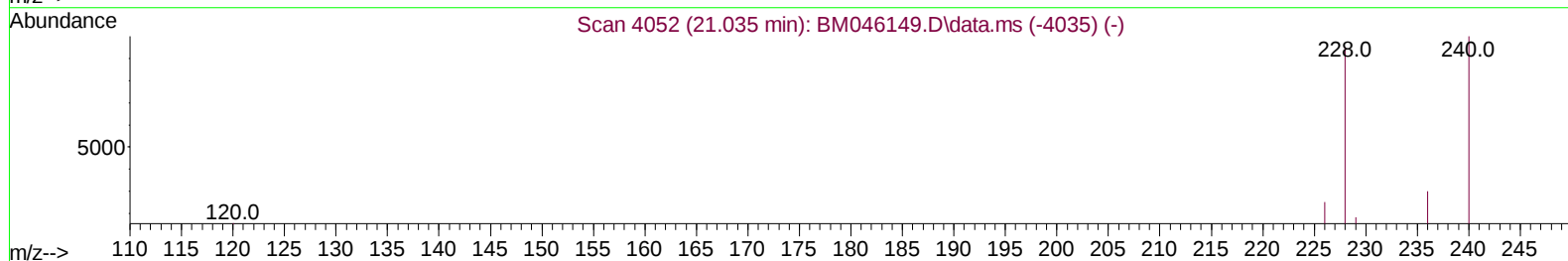
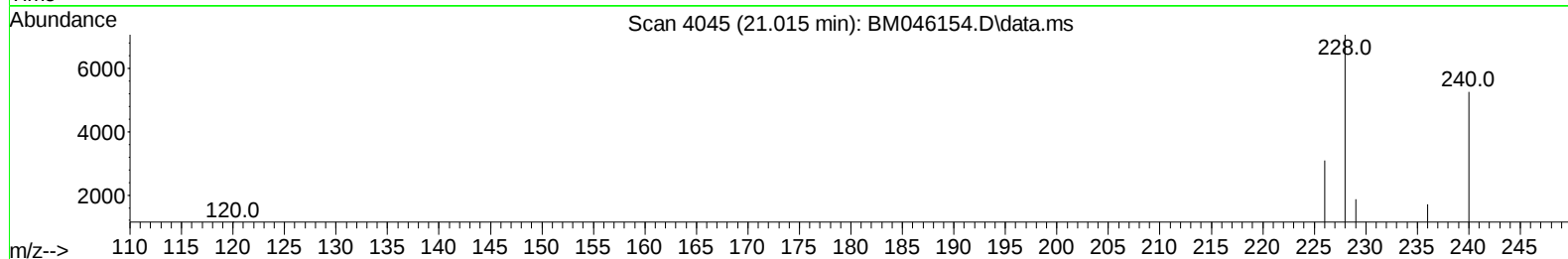
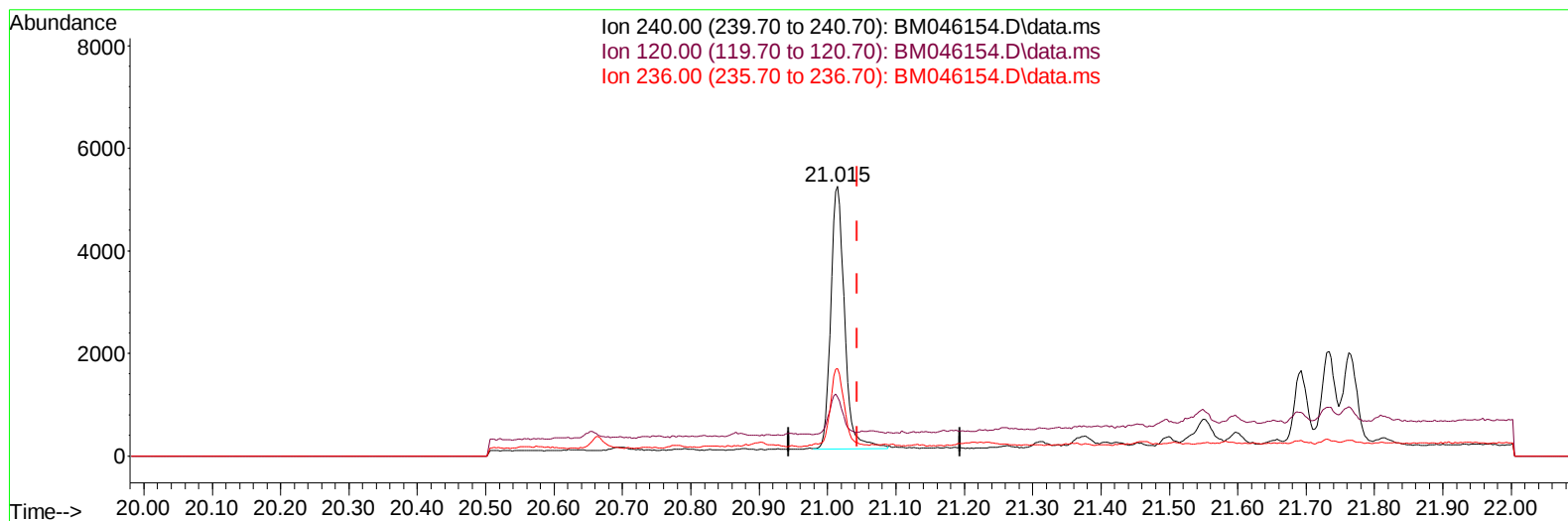
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046154.D
Acq On : 21 Jun 2024 11:28
Operator : MA/JU
Sample : P2754-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP5

Manual IntegrationsAPPROVED

Quant Time: Jun 21 12:54:31 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: BM046154.D\data.ms

(17) Chrysene-d12

21.015min (-0.029) 0.40 ng/u1 m

response 7242

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	21.86
236.00	33.60	32.50
0.00	0.00	0.00

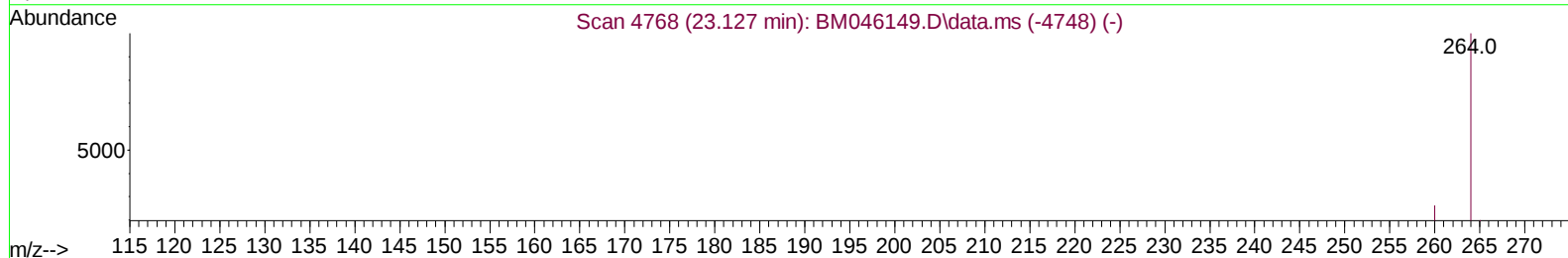
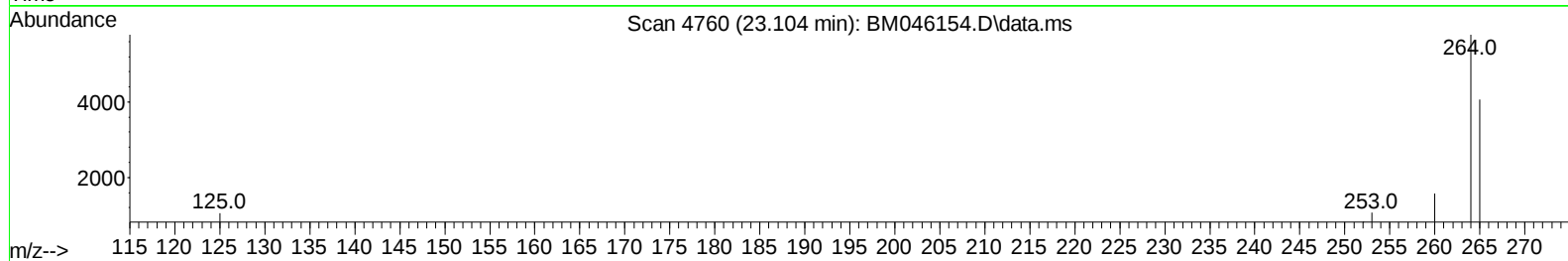
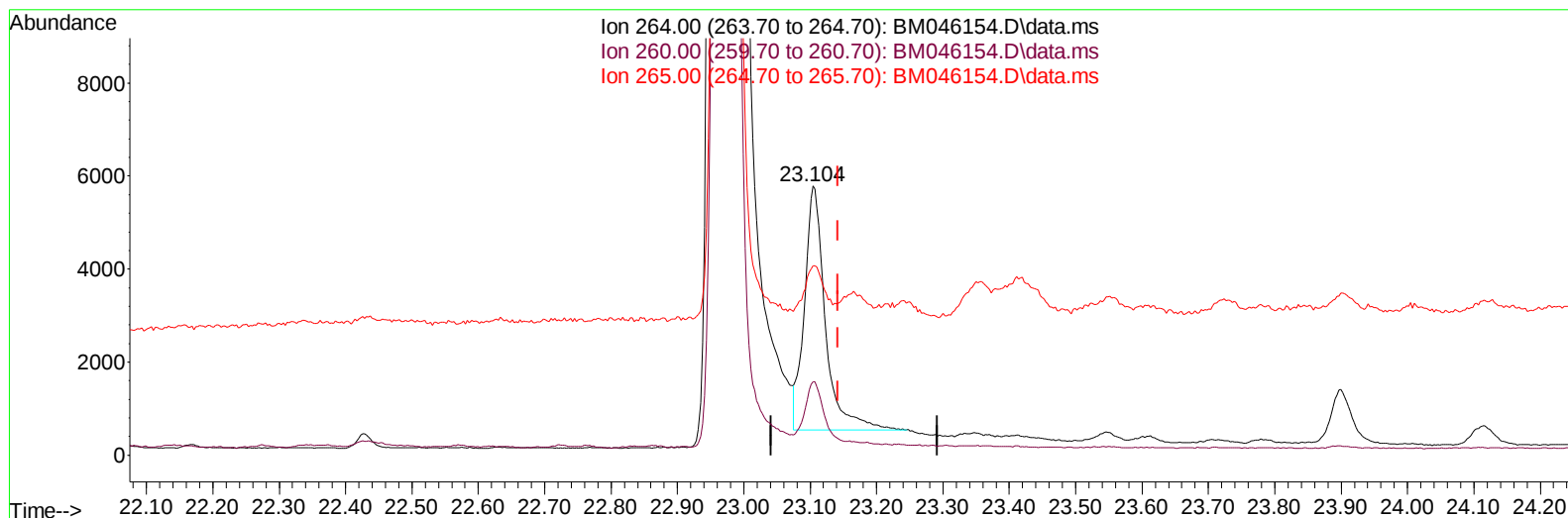
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046154.D
Acq On : 21 Jun 2024 11:28
Operator : MA/JU
Sample : P2754-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP5

Manual IntegrationsAPPROVED

Quant Time: Jun 21 12:54:31 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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Supervised By :mohammad ahmed 06/24/2024



TIC: BM046154.D\data.ms

(23) Perylene-d12 (I)

23.104min (-0.038) 0.40 ng/u1

response 11606

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.23
265.00	110.60	70.36#
0.00	0.00	0.00

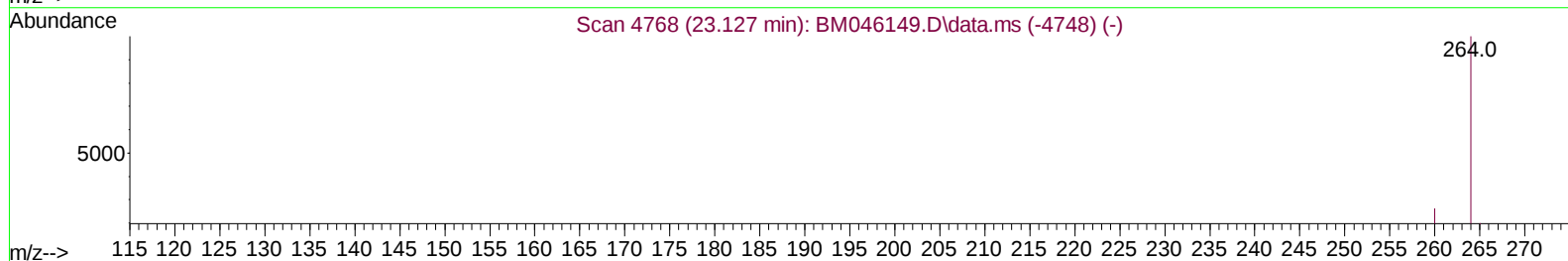
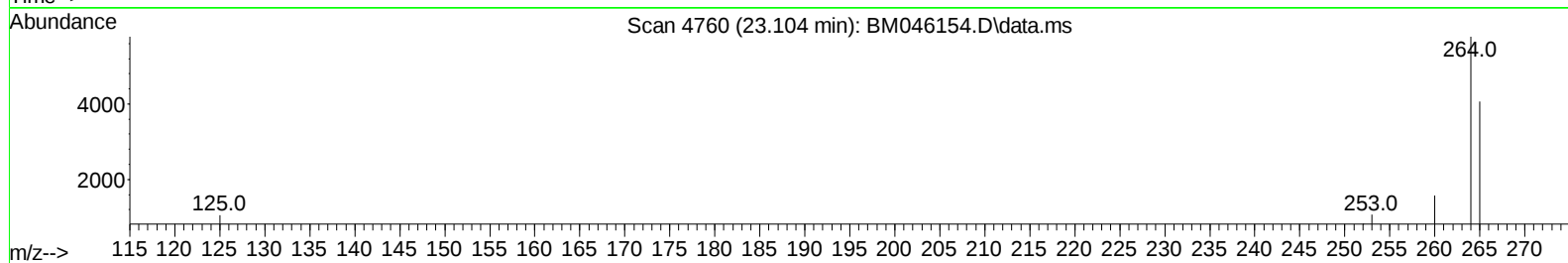
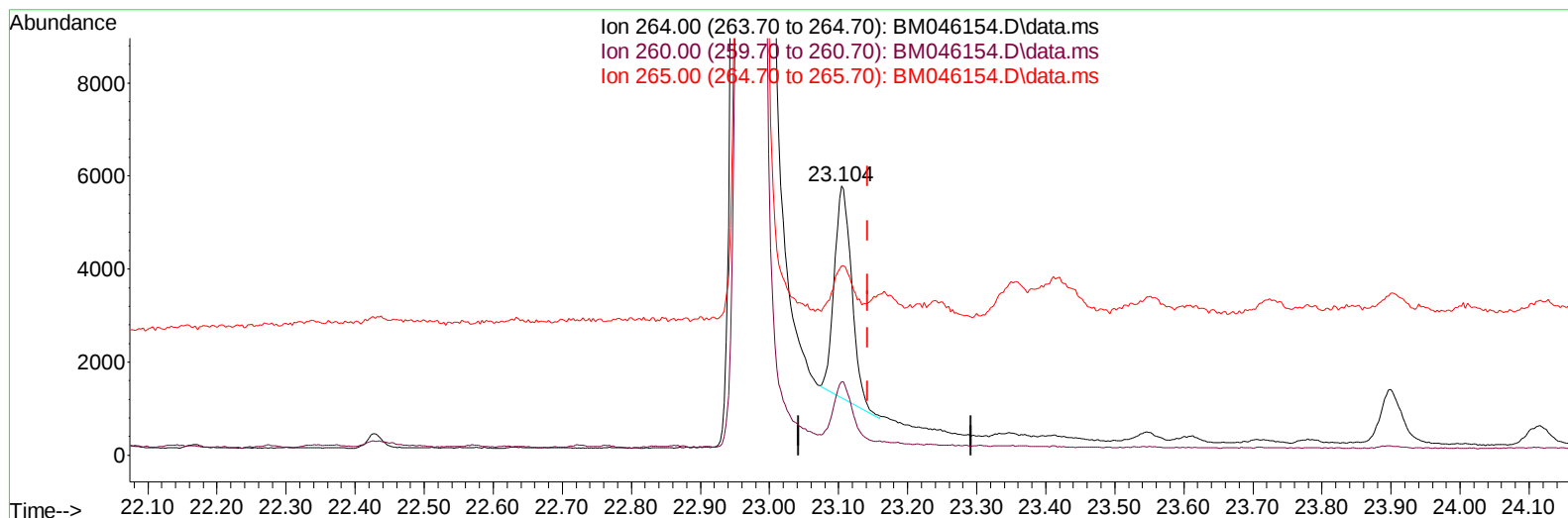
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046154.D
Acq On : 21 Jun 2024 11:28
Operator : MA/JU
Sample : P2754-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP5

Manual IntegrationsAPPROVED

Quant Time: Jun 21 12:54:31 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: BM046154.D\data.ms

(23) Perylene-d12 (I)

23.104min (-0.038) 0.40 ng/u1 m

response 7998

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.23
265.00	110.60	70.36#
0.00	0.00	0.00

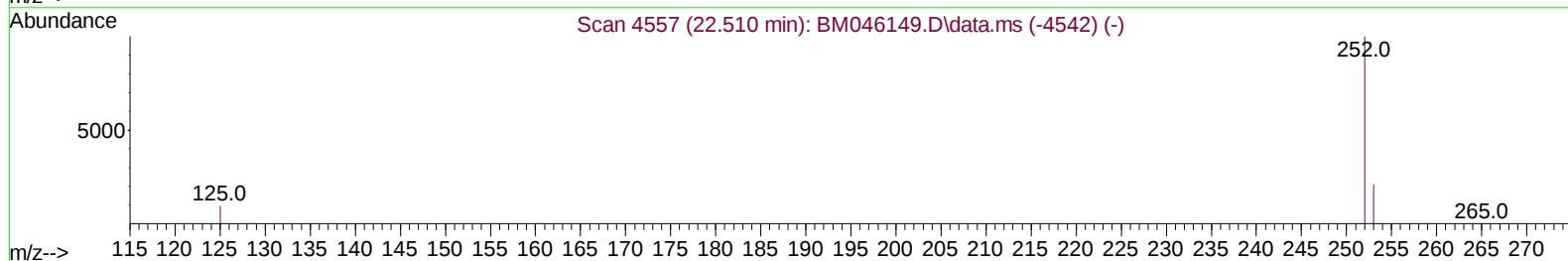
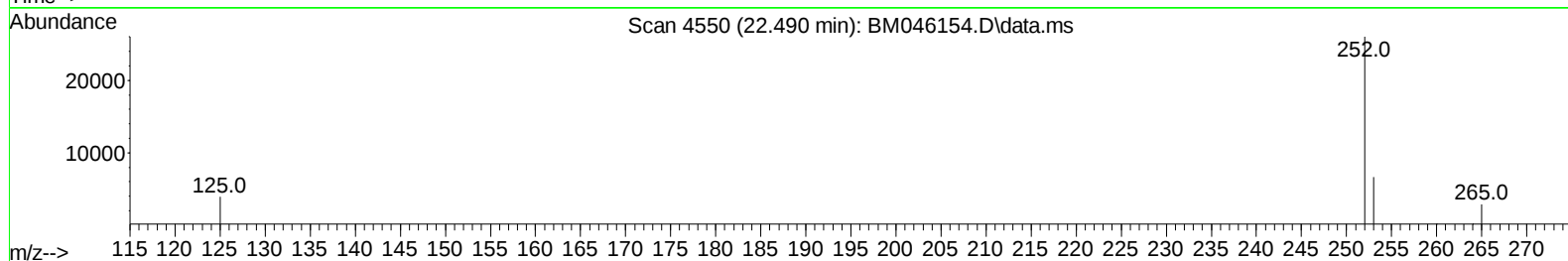
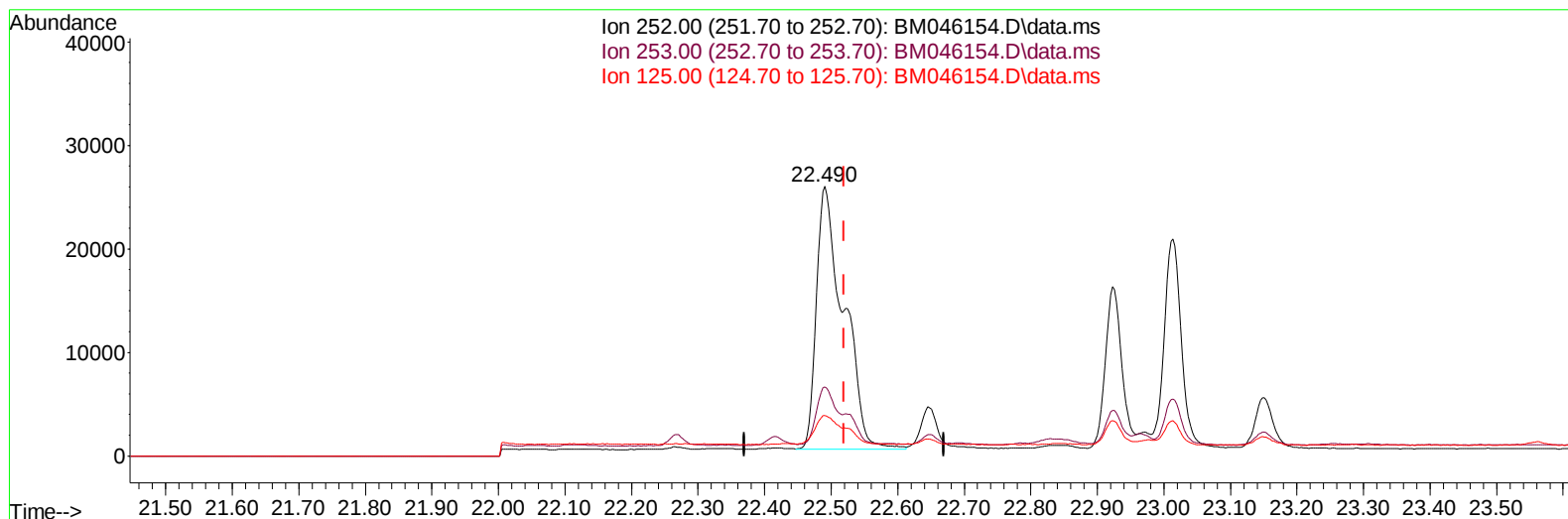
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046154.D
Acq On : 21 Jun 2024 11:28
Operator : MA/JU
Sample : P2754-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP5

Manual IntegrationsAPPROVED

Quant Time: Jun 21 12:54:31 2024
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TIC: BM046154.D\data.ms

(24) Benzo(b)fluoranthene

22.490min (-0.029) 2.47 ng/u1

response 71298

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	25.51
125.00	20.10	15.05
0.00	0.00	0.00

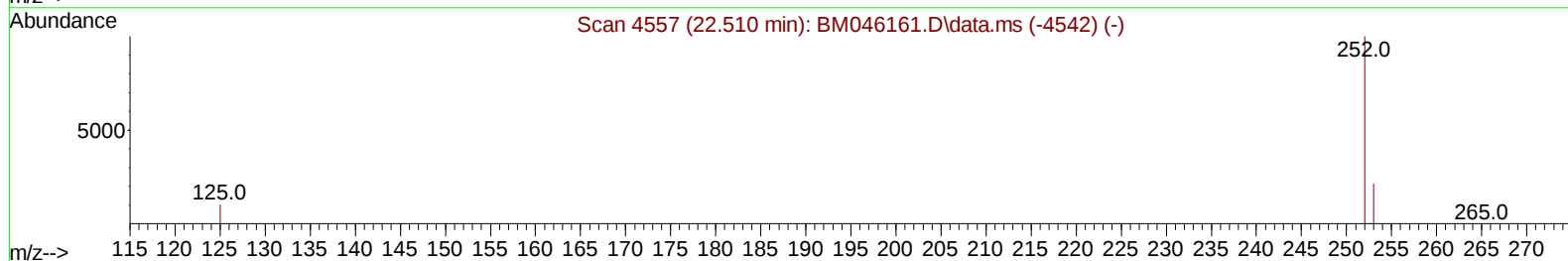
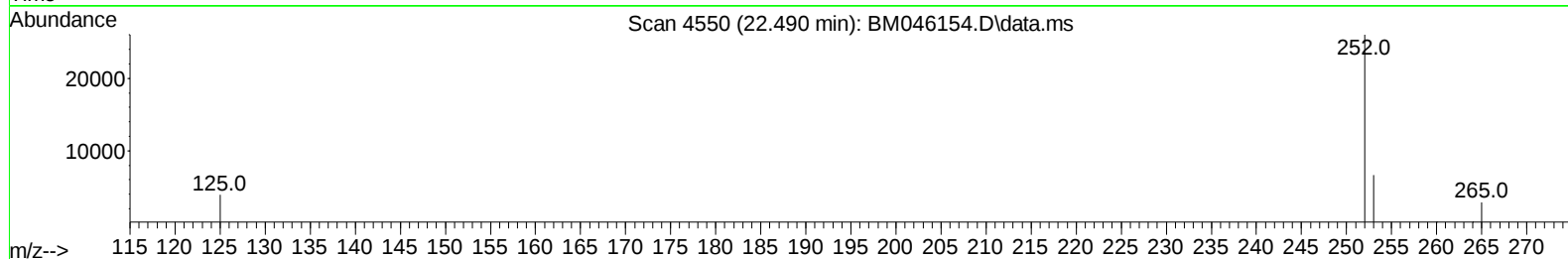
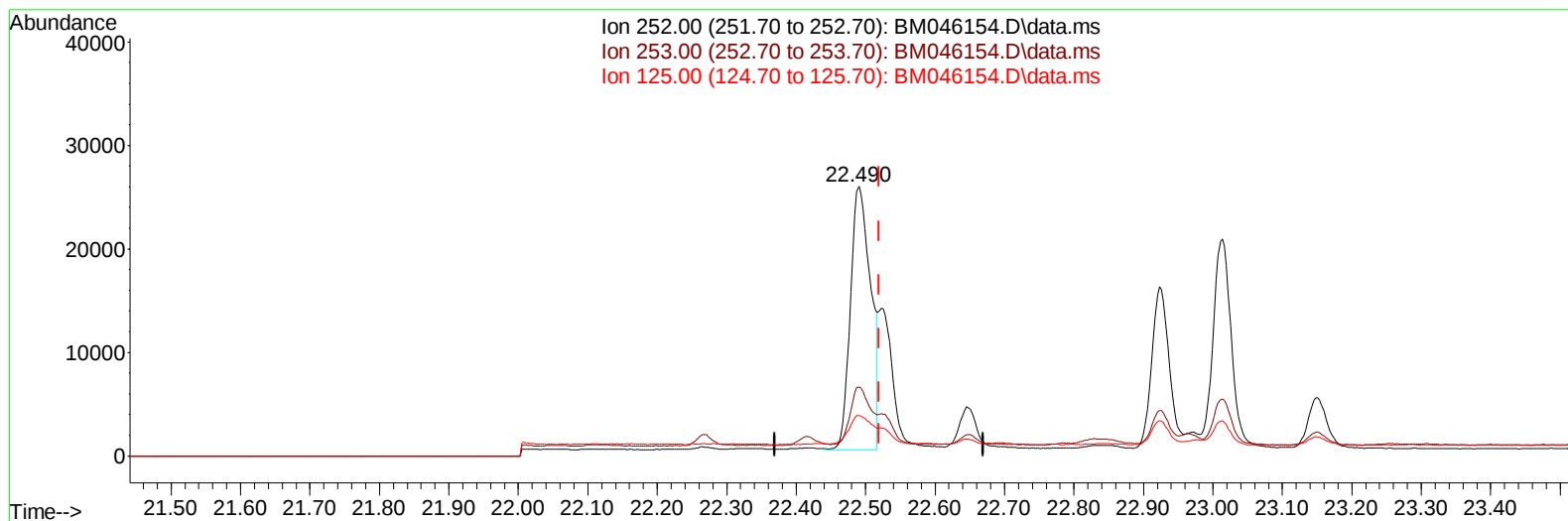
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046154.D
Acq On : 21 Jun 2024 11:28
Operator : MA/JU
Sample : P2754-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP5

Manual IntegrationsAPPROVED

Quant Time: Jun 21 12:54:31 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: BM046154.D\data.ms

(24) Benzo(b)fluoranthene

22.490min (-0.029) 1.81 ng/u1 m

response 52167

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	25.51
125.00	20.10	15.05
0.00	0.00	0.00

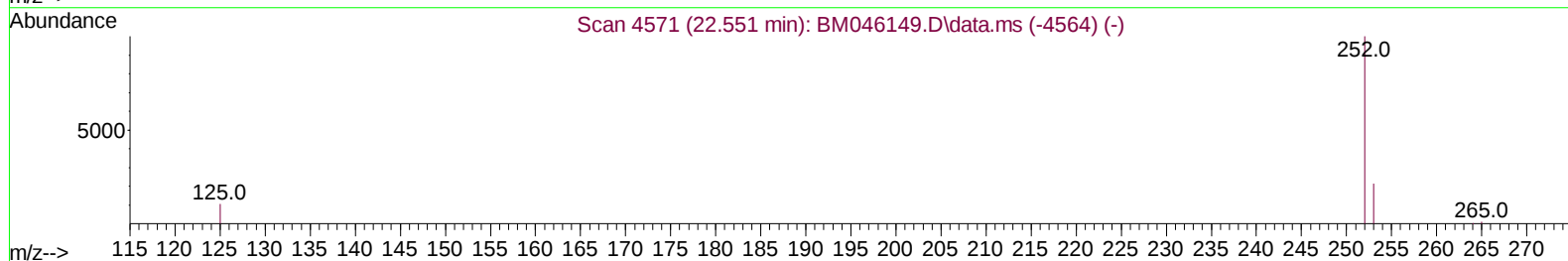
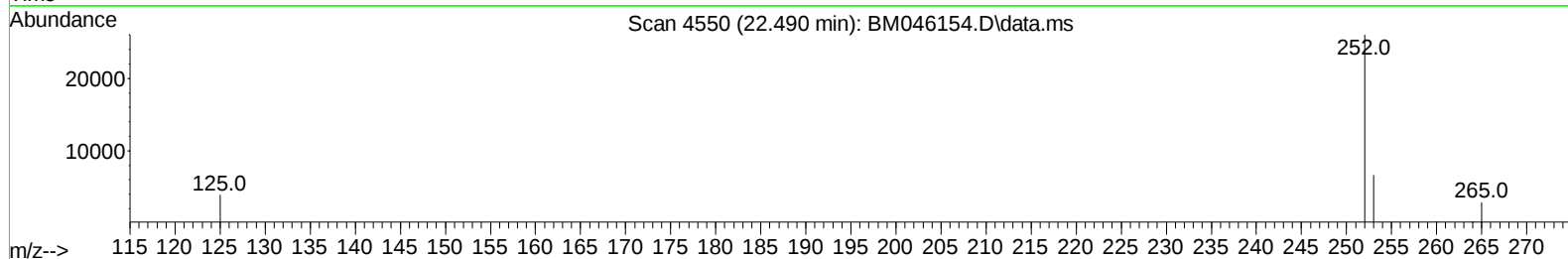
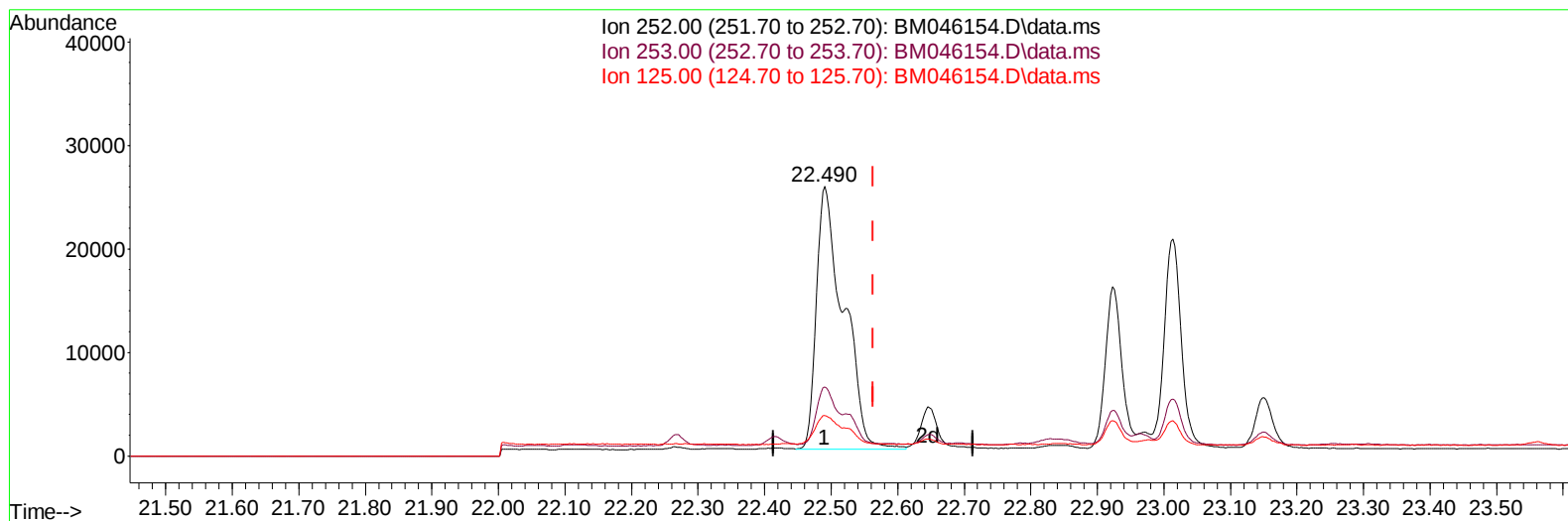
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046154.D
Acq On : 21 Jun 2024 11:28
Operator : MA/JU
Sample : P2754-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP5

Manual IntegrationsAPPROVED

Quant Time: Jun 21 12:54:31 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: BM046154.D\data.ms

(25) Benzo(k)fluoranthene

22.490min (-0.073) 2.08 ng/u1

response 71298

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	25.51#
125.00	20.80	15.05#
0.00	0.00	0.00

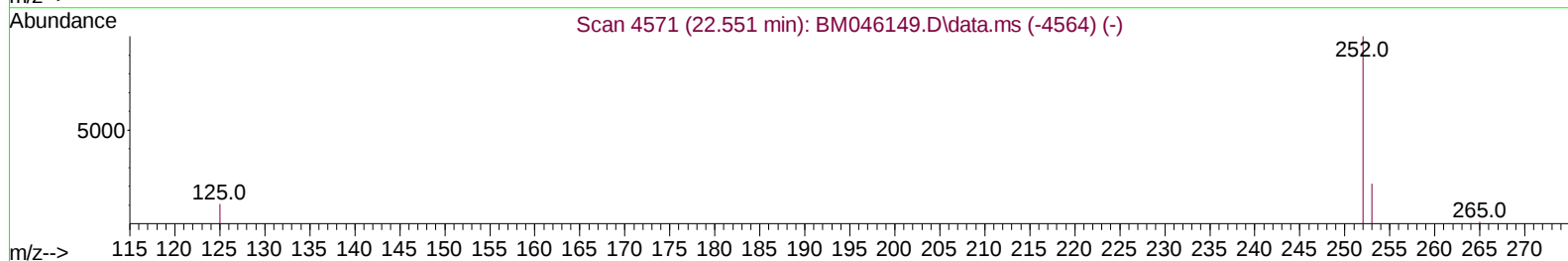
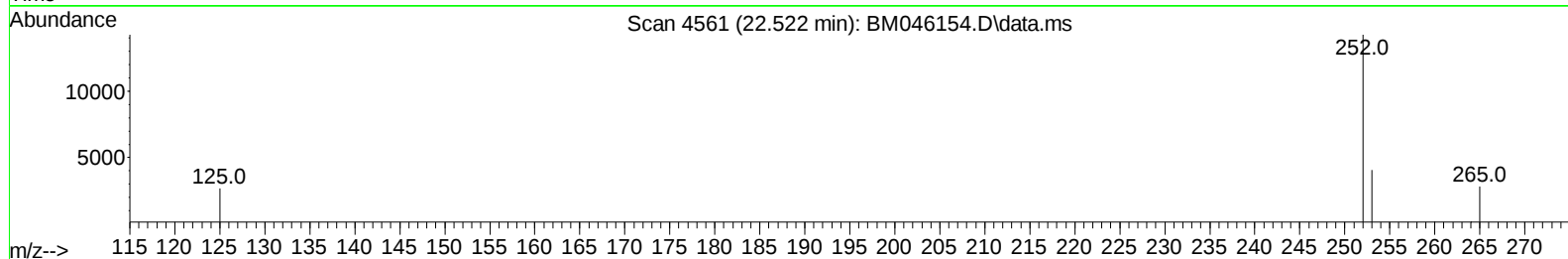
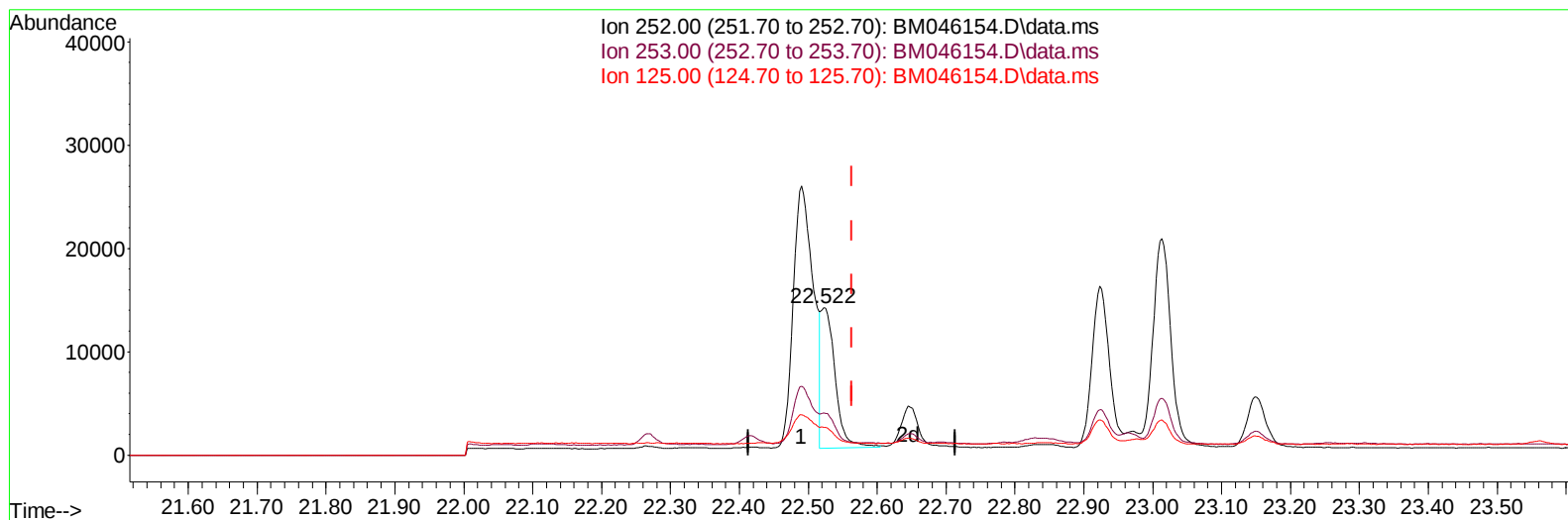
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046154.D
Acq On : 21 Jun 2024 11:28
Operator : MA/JU
Sample : P2754-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP5

Manual IntegrationsAPPROVED

Quant Time: Jun 21 12:54:31 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: BM046154.D\data.ms

(25) Benzo(k)fluoranthene

22.522min (-0.041) 0.56 ng/u1 m

response 19097

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	28.63
125.00	20.80	18.68
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.417	152	2662	0.400	ng/ul	-0.05
4) Naphthalene-d8	10.193	136	7660	0.400	ng/ul	-0.06
9) Acenaphthene-d10	14.071	164	4152	0.400	ng/ul	-0.04
13) Phenanthrene-d10	16.811	188	8919m	0.400	ng/ul	-0.05
17) Chrysene-d12	21.015	240	7242m	0.400	ng/ul	-0.03
23) Perylene-d12	23.104	264	7998m	0.400	ng/ul	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.029	96	11988	3.282	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	11.821	152	2570	0.250	ng/ul	-0.04
18) Fluoranthene-d10	18.847	212	5600	0.258	ng/ul	-0.04
Target Compounds						
					Qvalue	
5) Naphthalene	10.237	128	2165	0.101	ng/ul#	93
7) 2-Methylnaphthalene	11.892	142	817	0.068	ng/ul	97
8) 1-Methylnaphthalene	12.107	142	620	0.047	ng/ul	99
10) Acenaphthylene	13.788	152	2638	0.134	ng/ul#	92
11) Acenaphthene	14.131	153	3906	0.275	ng/ul	99
12) Fluorene	15.125	166	4144	0.272	ng/ul	98
15) Phenanthrene	16.853	178	65695m	2.622	ng/ul	
16) Anthracene	16.946	178	12216m	0.655	ng/ul	
19) Fluoranthene	18.875	202	89205	2.845	ng/ul	97
20) Pyrene	19.238	202	86132	2.540	ng/ul	96
21) Benzo(a)anthracene	20.997	228	41221	1.474	ng/ul	99
22) Chrysene	21.050	228	36114	1.012	ng/ul	99
24) Benzo(b)fluoranthene	22.490	252	52167m	1.810	ng/ul	
25) Benzo(k)fluoranthene	22.522	252	19097m	0.557	ng/ul	
26) Benzo(a)pyrene	23.014	252	36448	1.365	ng/ul#	78
27) Indeno(1,2,3-cd)pyrene	25.155	276	26962	0.617	ng/ul#	89
28) Dibenzo(a,h)anthracene	25.162	278	5909	0.182	ng/ul#	87
29) Benzo(g,h,i)perylene	25.773	276	27774	0.741	ng/ul	97

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

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