

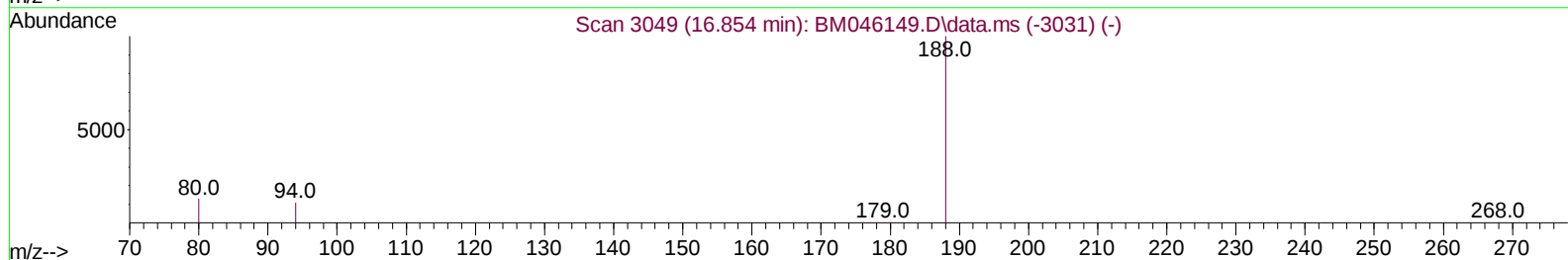
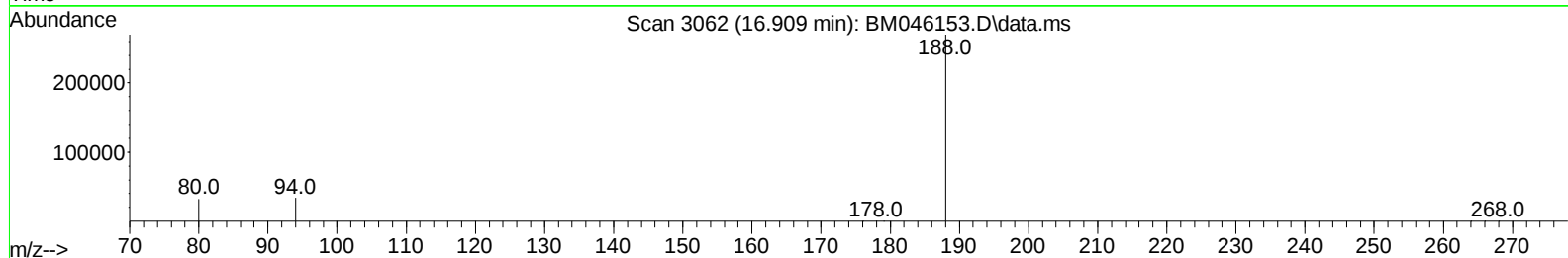
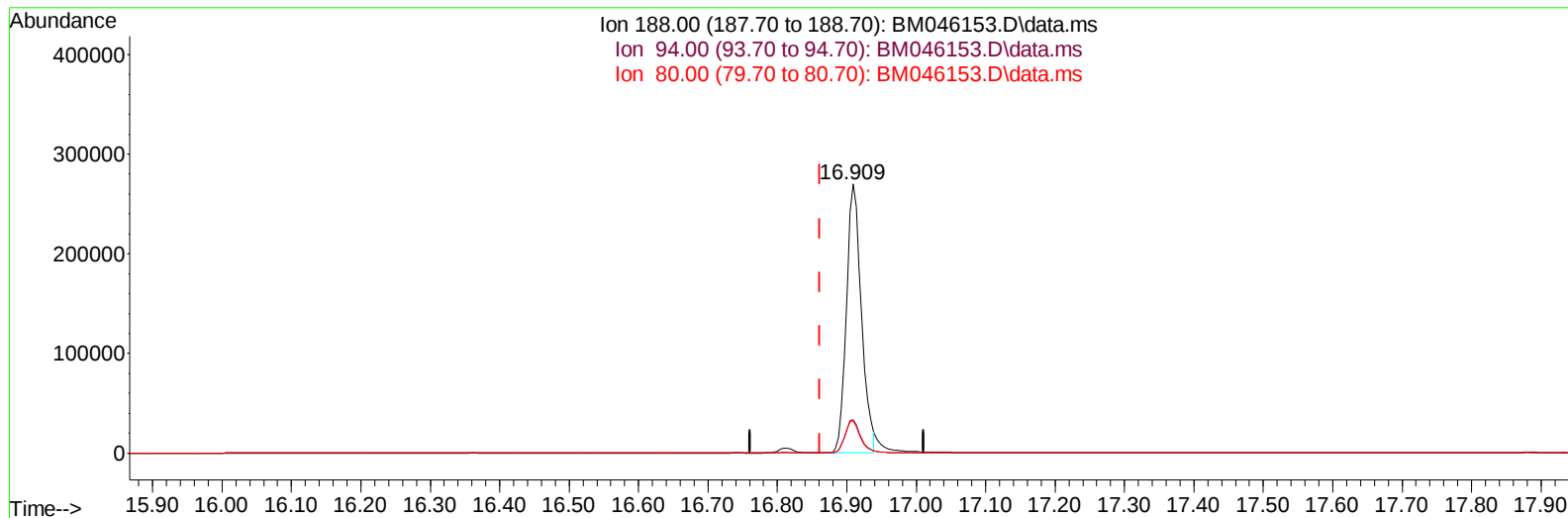
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046153.D
Acq On : 21 Jun 2024 10:51
Operator : MA/JU
Sample : P2754-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 11:23:17 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 :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046153.D\data.ms

(13) Phenanthrene-d10 (I)

16.909min (+ 0.048) 0.40 ng/u1

response 403622

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.41
80.00	15.20	11.89#
0.00	0.00	0.00

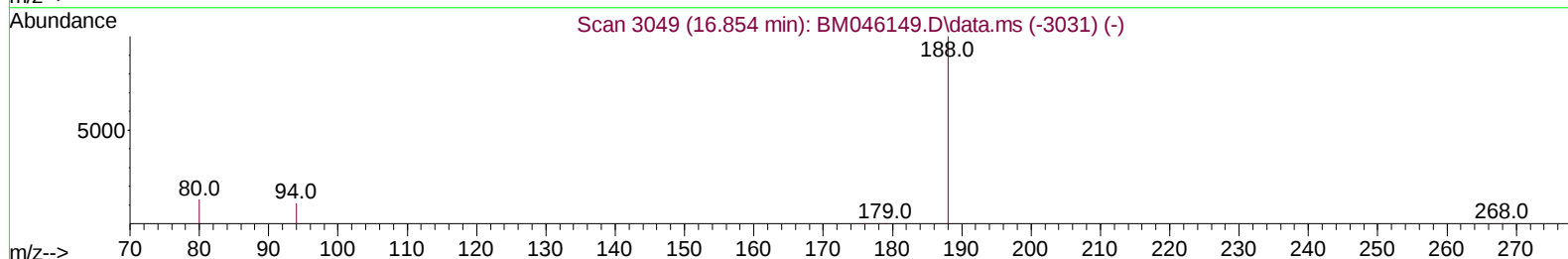
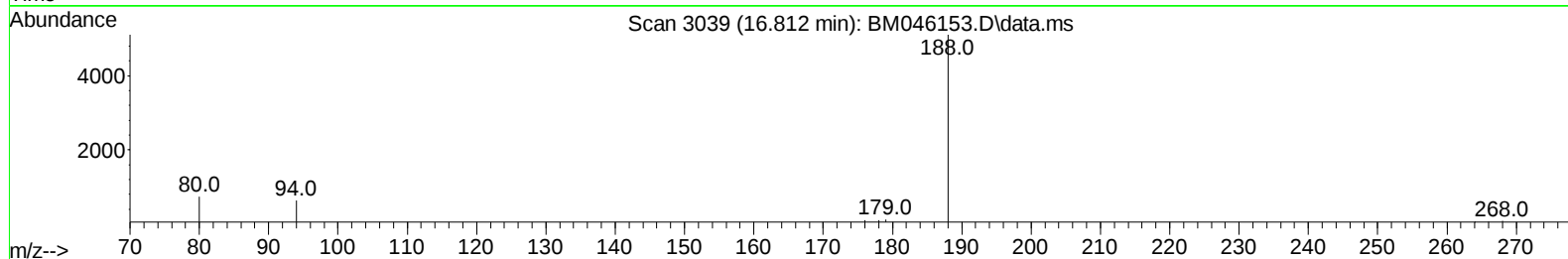
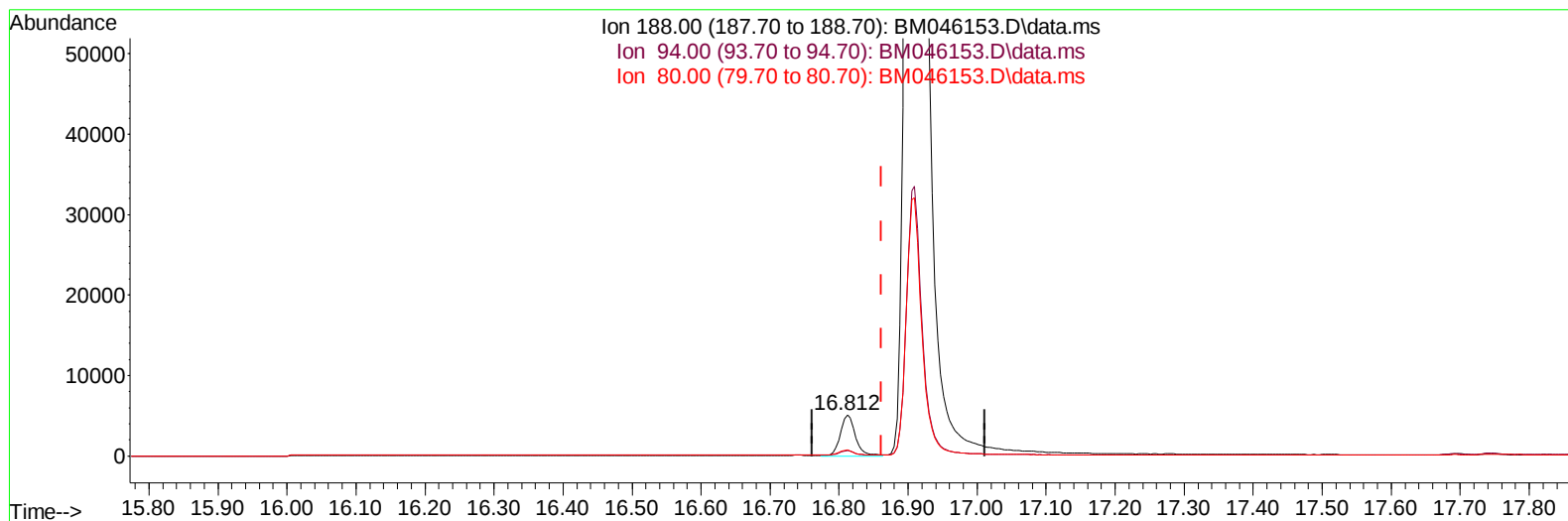
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046153.D
Acq On : 21 Jun 2024 10:51
Operator : MA/JU
Sample : P2754-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 11:23:17 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 :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046153.D\data.ms

(13) Phenanthrene-d10 (I)

16.812min (-0.049) 0.40 ng/ul m

response 7741

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.54
80.00	15.20	14.46
0.00	0.00	0.00

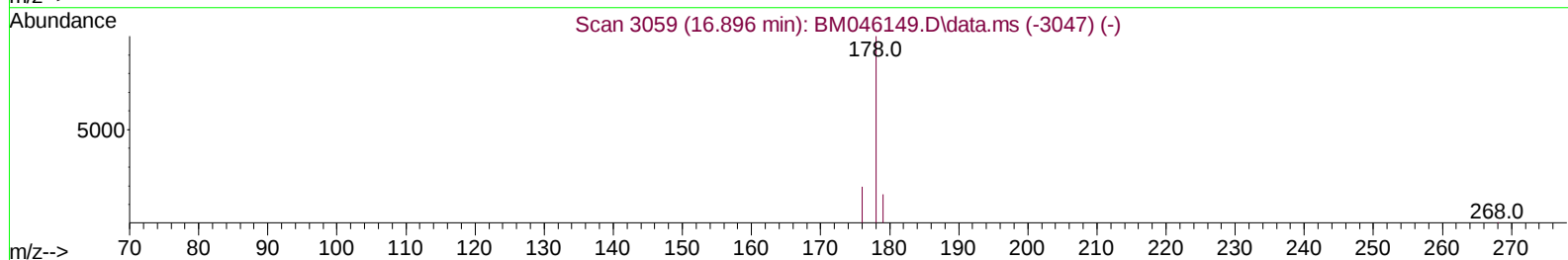
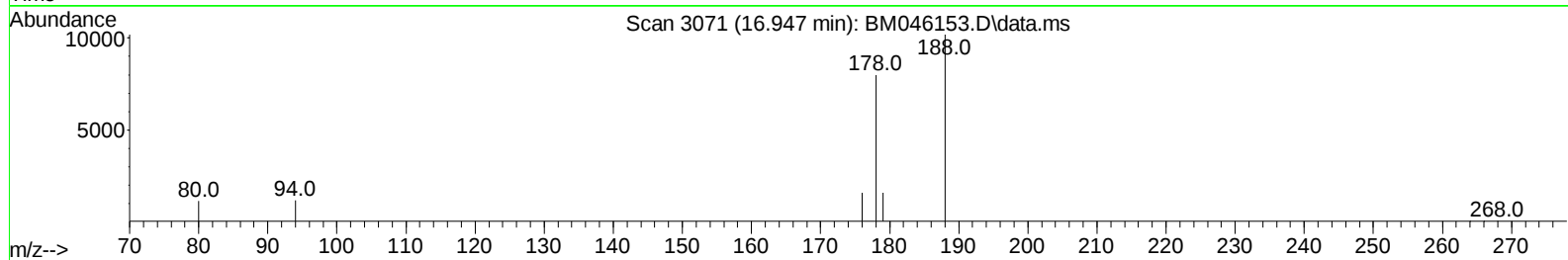
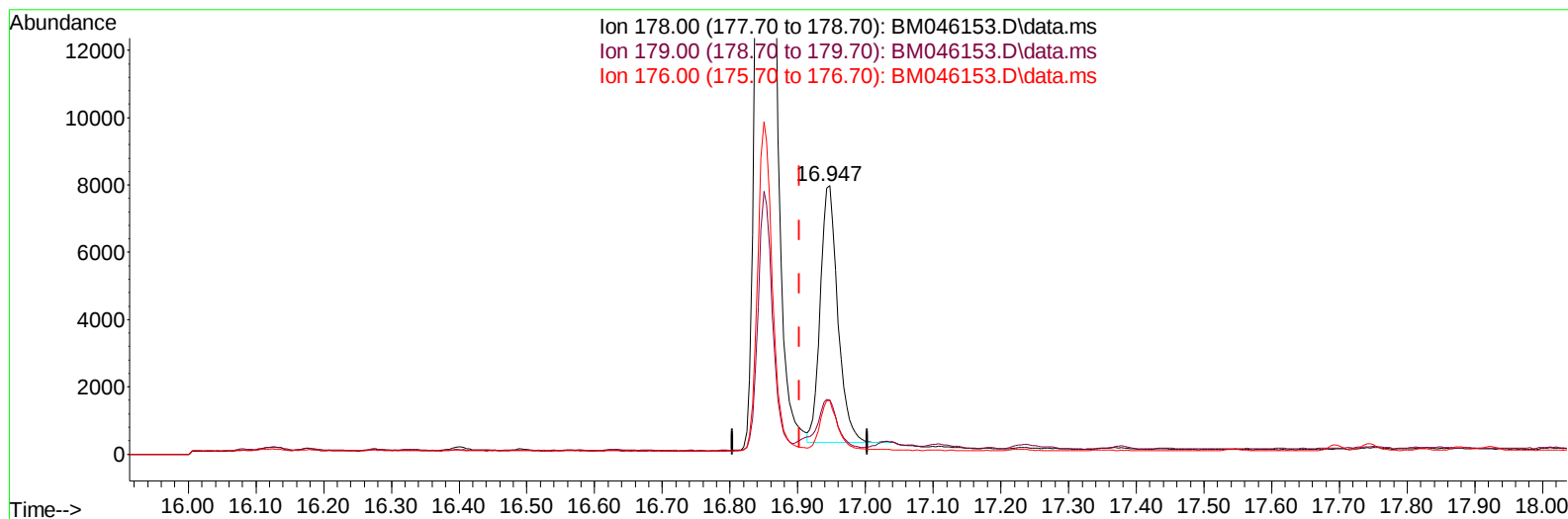
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046153.D
Acq On : 21 Jun 2024 10:51
Operator : MA/JU
Sample : P2754-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 11:23:17 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 :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046153.D\data.ms

(15) Phenanthrene

16.947min (+ 0.044) 0.63 ng/u1

response 13688

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	20.11
176.00	21.40	19.97
0.00	0.00	0.00

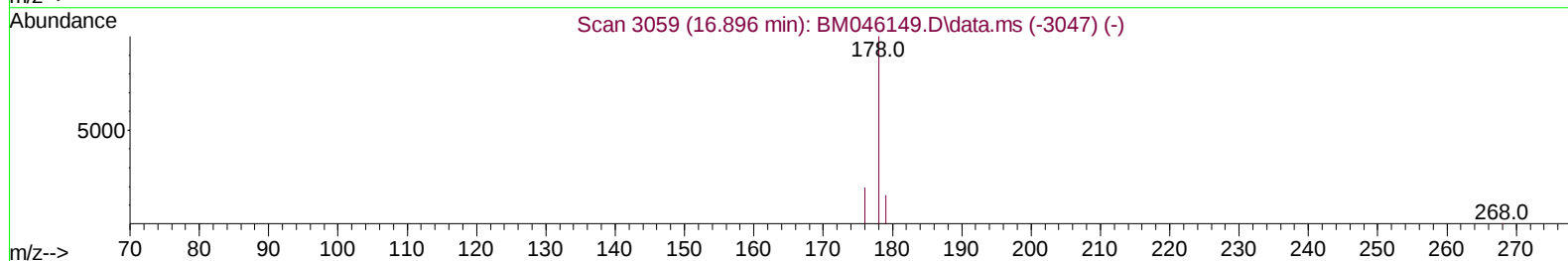
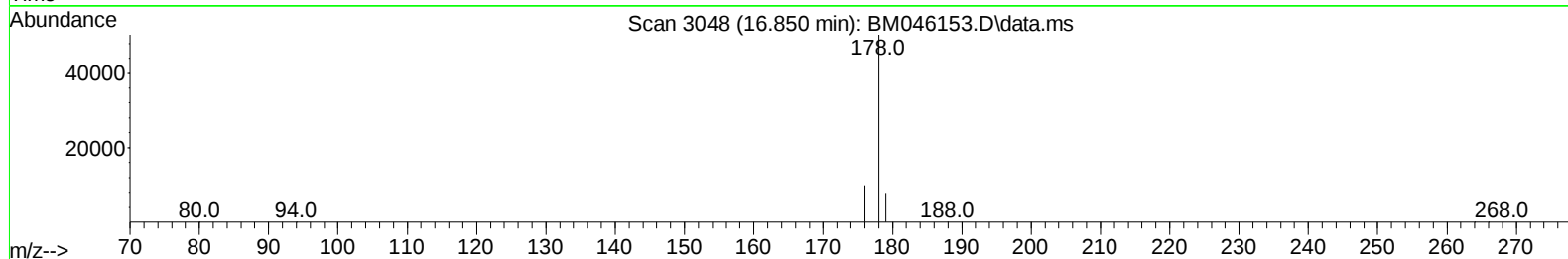
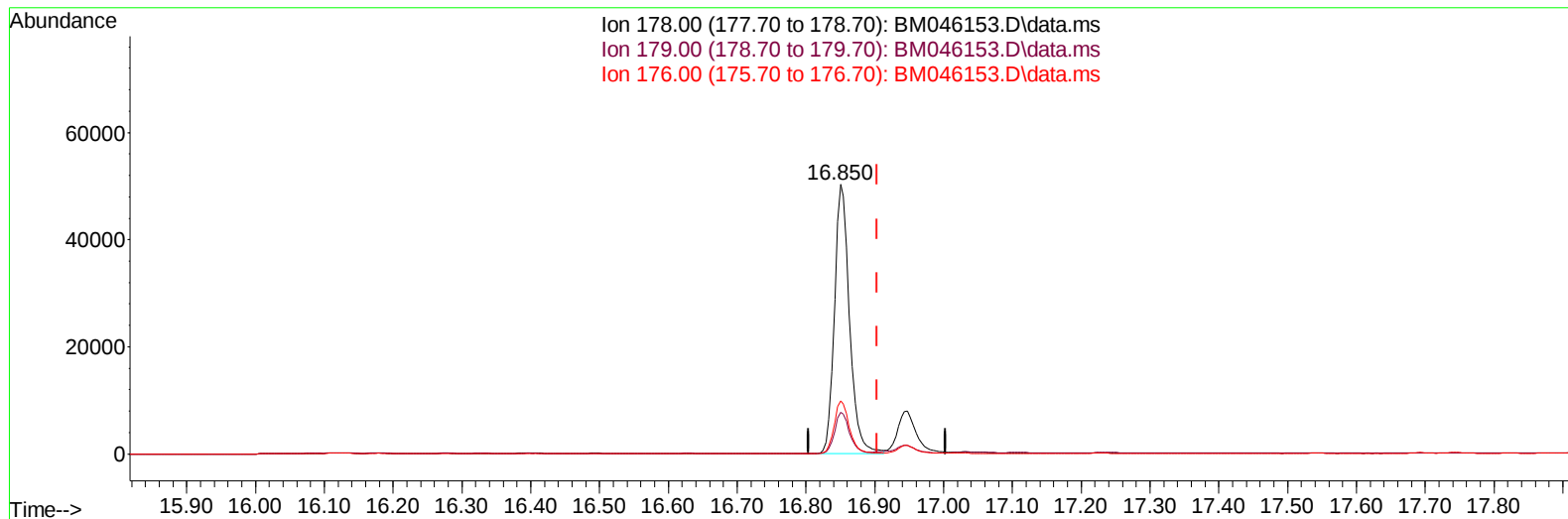
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046153.D
Acq On : 21 Jun 2024 10:51
Operator : MA/JU
Sample : P2754-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 11:23:17 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 :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046153.D\data.ms

(15) Phenanthrene

16.850min (-0.054) 3.52 ng/u1 m

response 76566

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.54
176.00	21.40	19.66
0.00	0.00	0.00

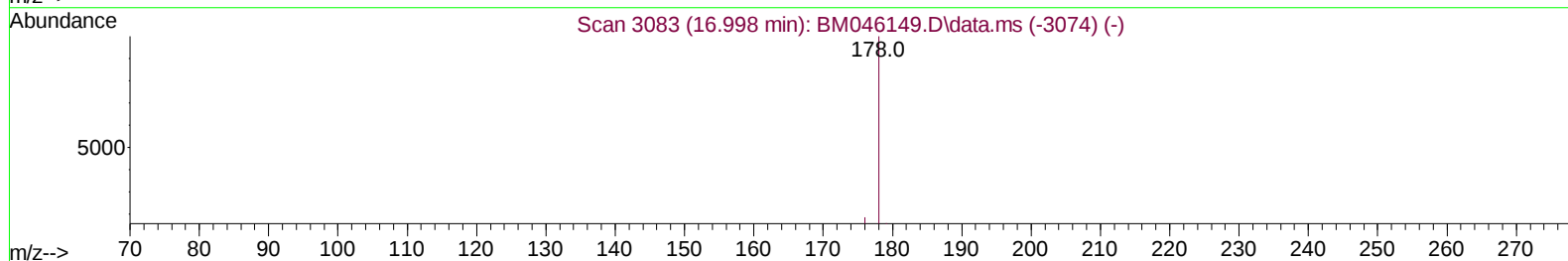
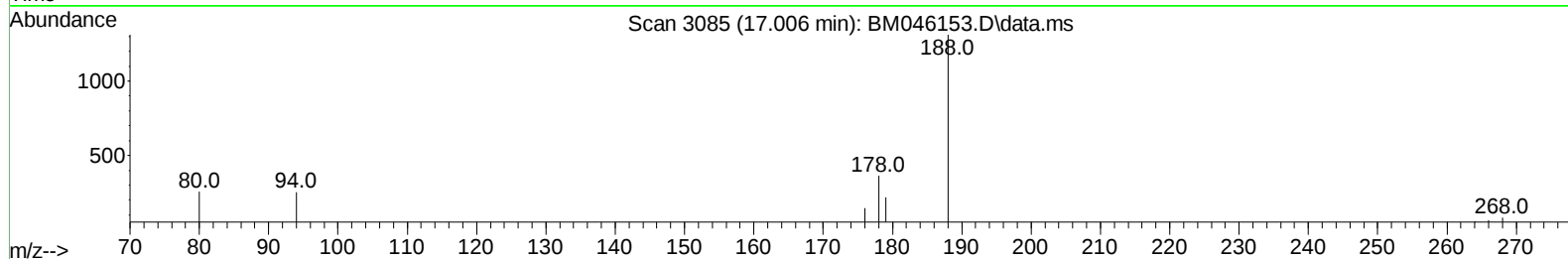
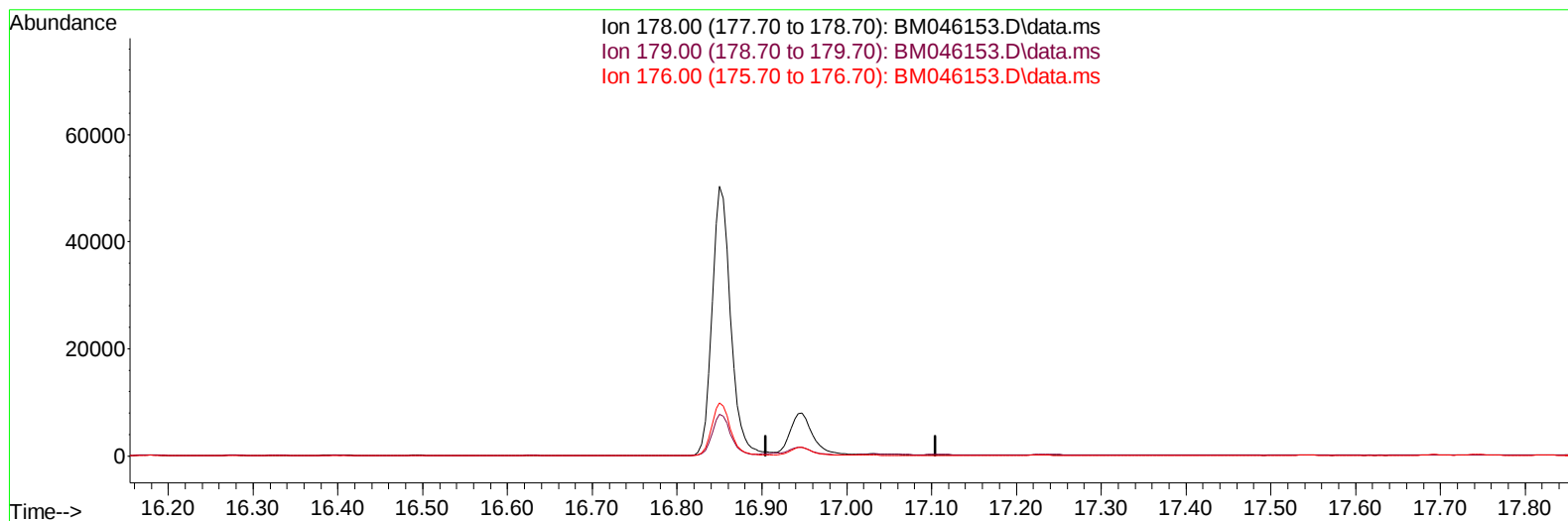
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046153.D
Acq On : 21 Jun 2024 10:51
Operator : MA/JU
Sample : P2754-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 11:23:17 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 :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046153.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

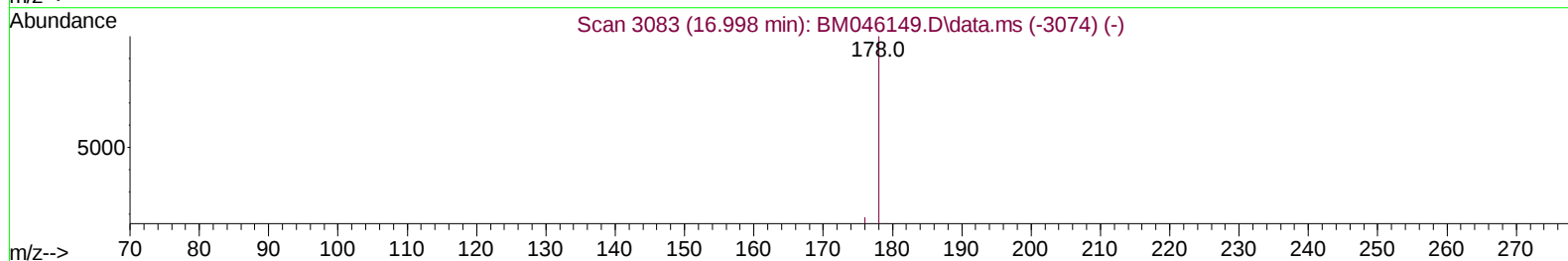
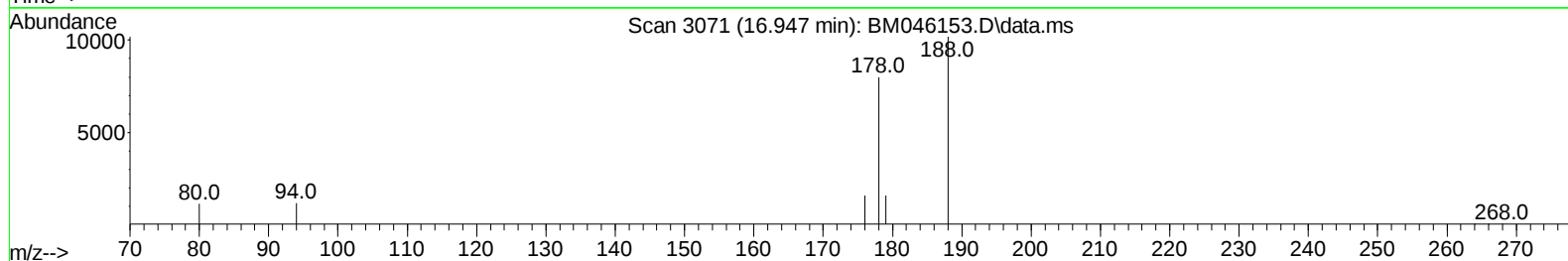
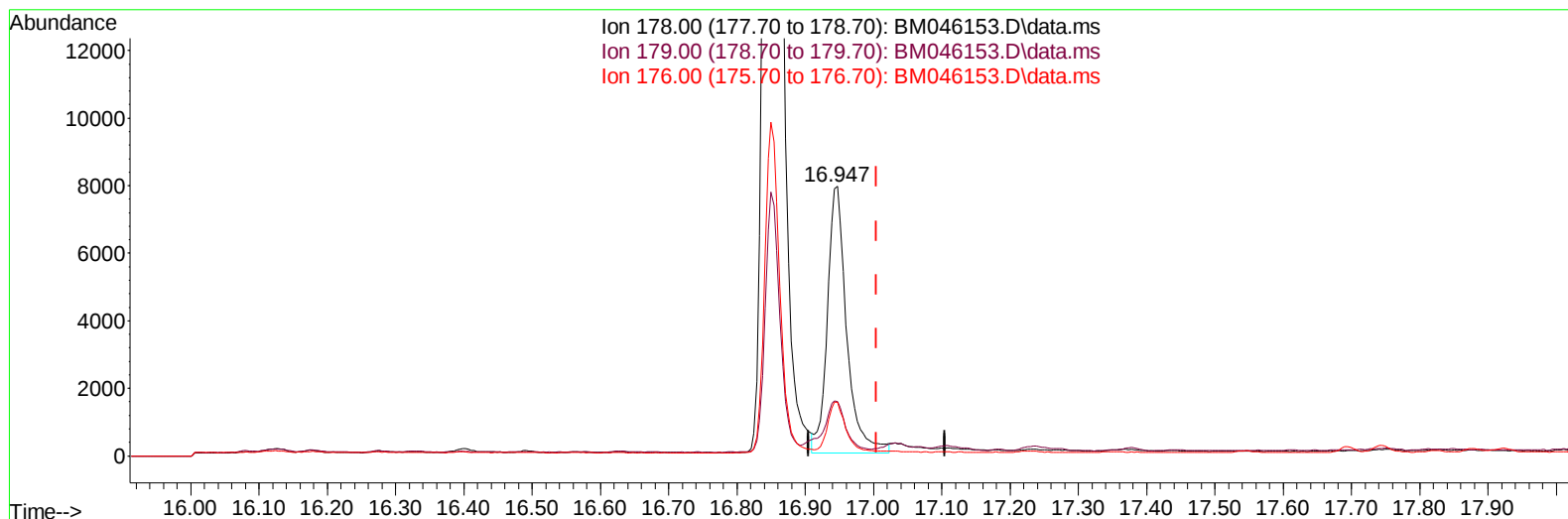
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046153.D
 Acq On : 21 Jun 2024 10:51
 Operator : MA/JU
 Sample : P2754-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BP4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 11:23:17 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 :Jagrut Upadhyay 06/21/2024
 Supervised By :mohammad ahmed 06/24/2024



TIC: BM046153.D\data.ms

(16) Anthracene

16.947min (-0.058) 0.96 ng/u1 m

response 15586

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	20.11
176.00	21.20	19.97
0.00	0.00	0.00

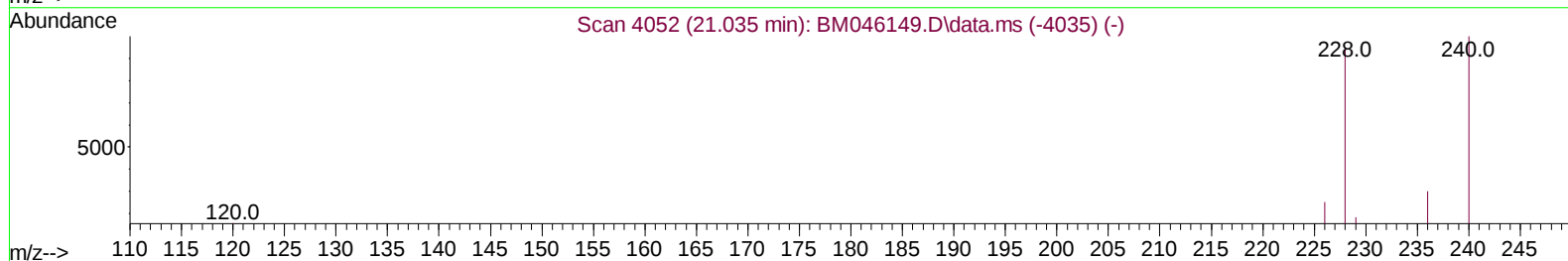
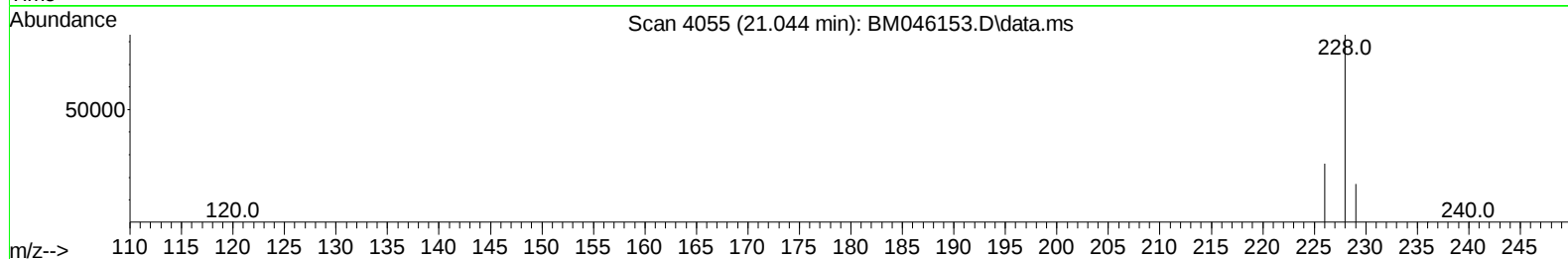
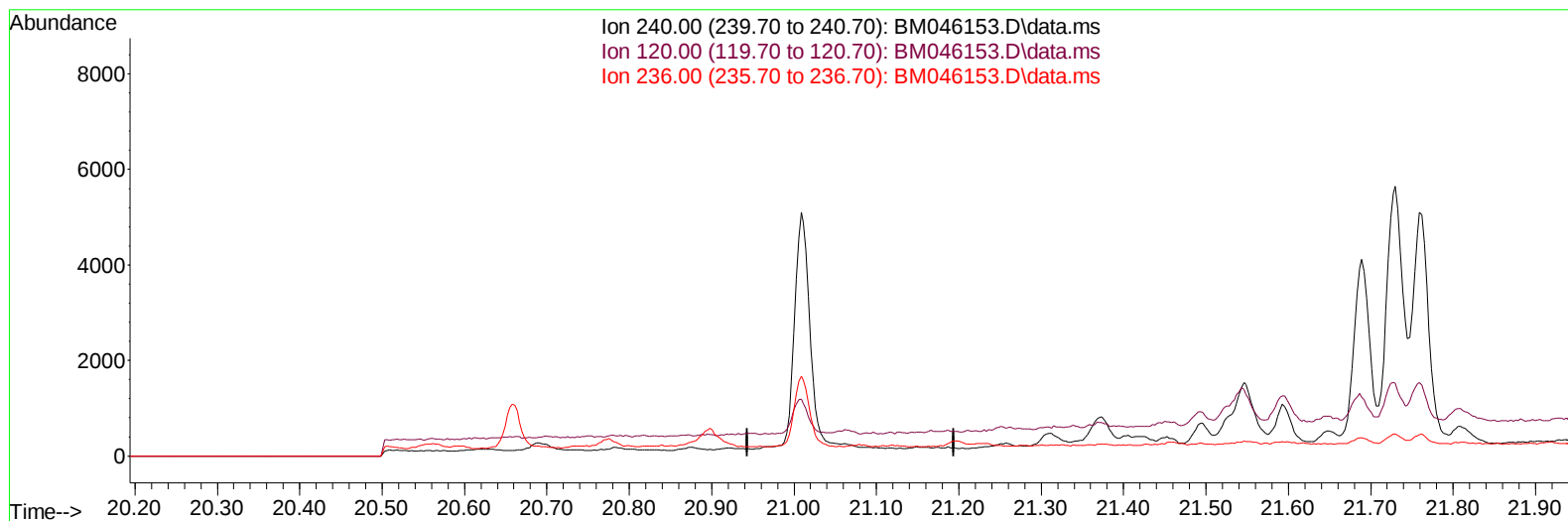
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046153.D
Acq On : 21 Jun 2024 10:51
Operator : MA/JU
Sample : P2754-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 11:23:17 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 :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046153.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

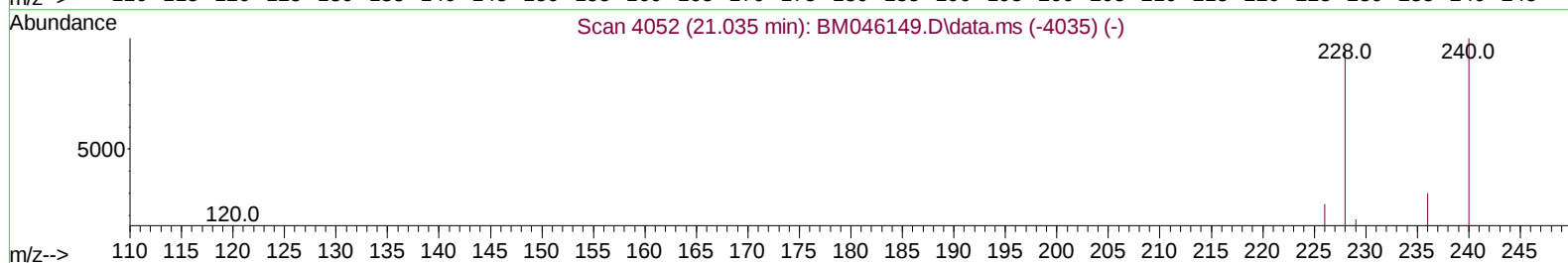
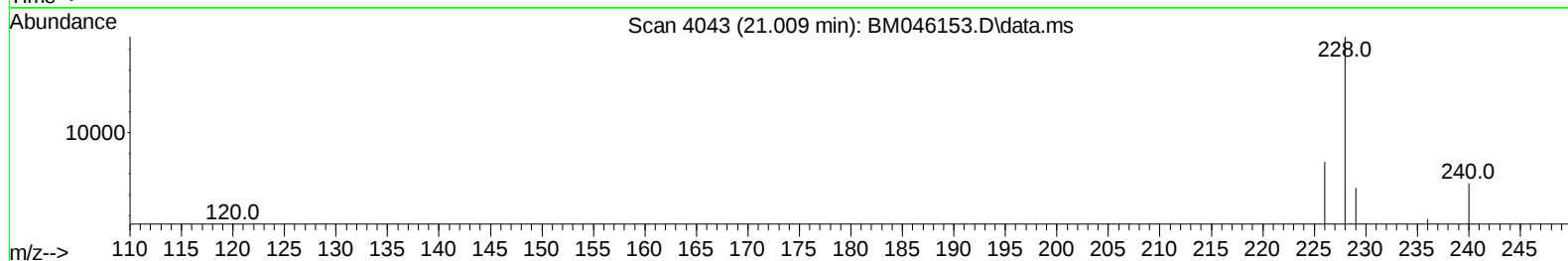
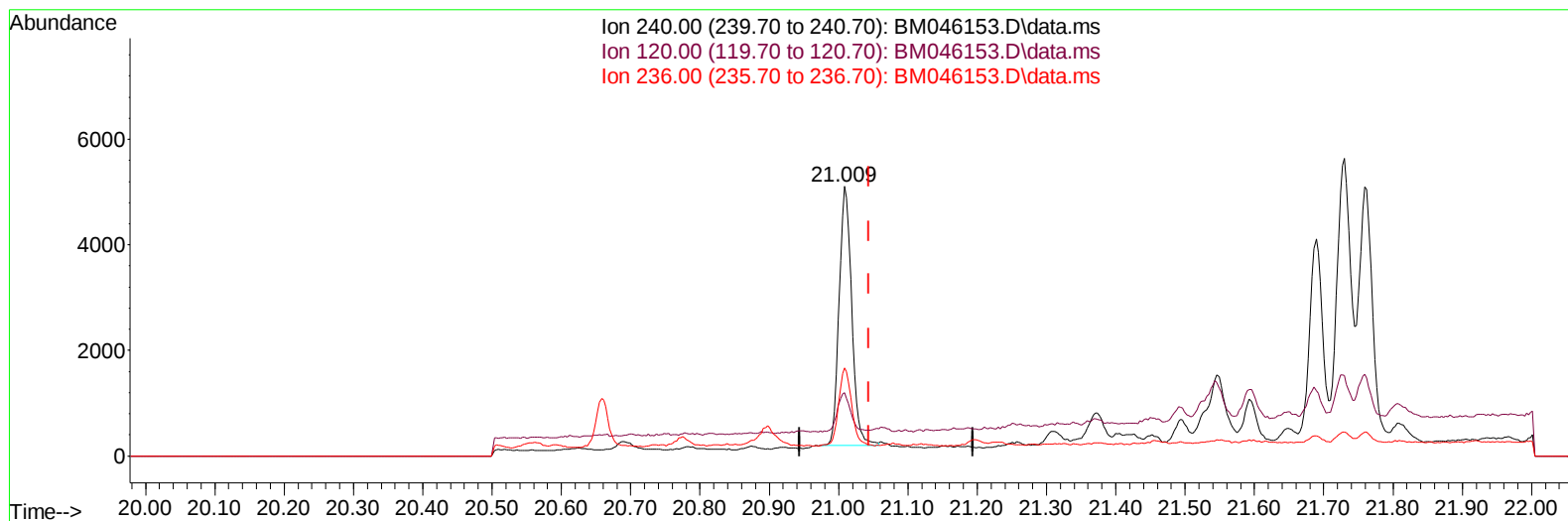
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046153.D
Acq On : 21 Jun 2024 10:51
Operator : MA/JU
Sample : P2754-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP4

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024

Quant Time: Jun 21 11:23:17 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



TIC: BM046153.D\data.ms

(17) Chrysene-d12

21.009min (-0.035) 0.40 ng/ul m

response 6201

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	23.38
236.00	33.60	32.63
0.00	0.00	0.00

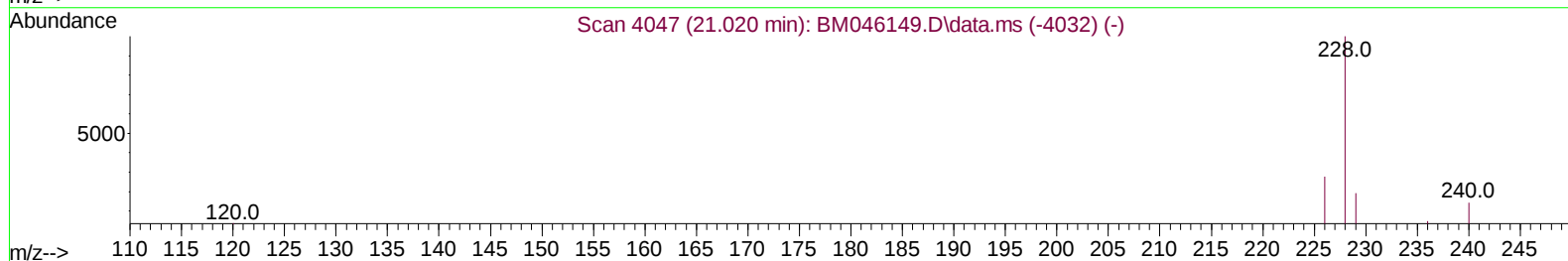
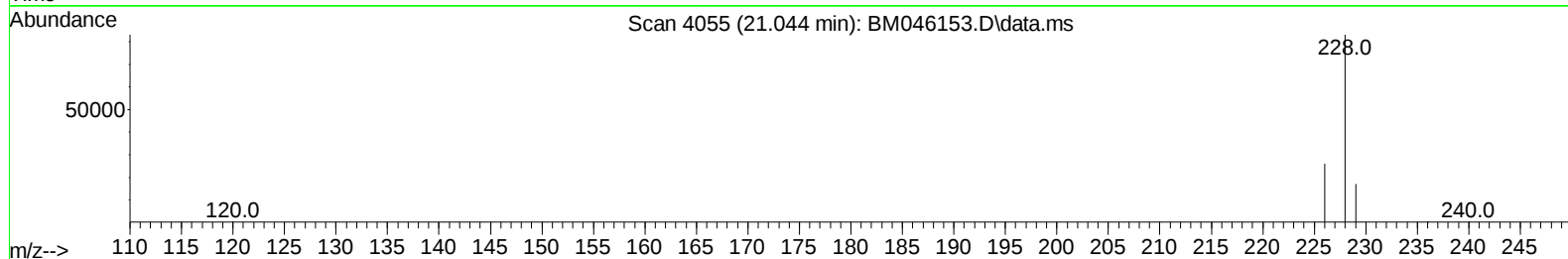
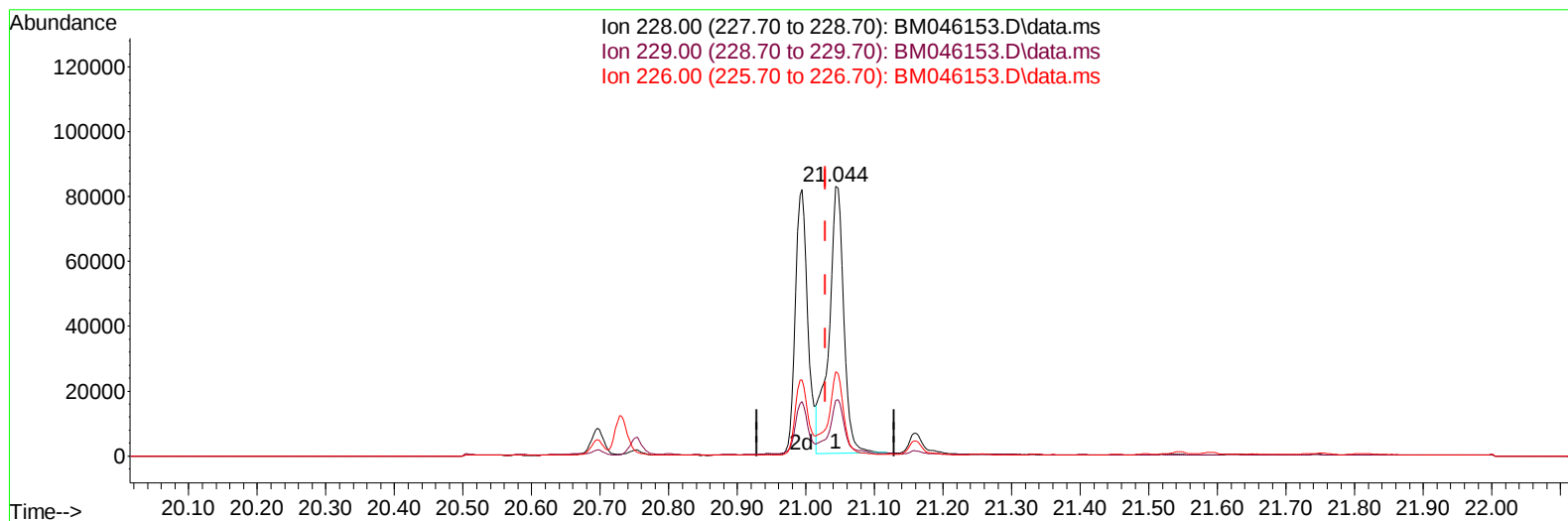
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046153.D
Acq On : 21 Jun 2024 10:51
Operator : MA/JU
Sample : P2754-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 11:23:17 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 :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046153.D\data.ms

(21) Benzo(a)anthracene

21.044min (+ 0.014) 5.22 ng/u1

response 124971

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.50	20.61
226.00	29.30	31.33
0.00	0.00	0.00

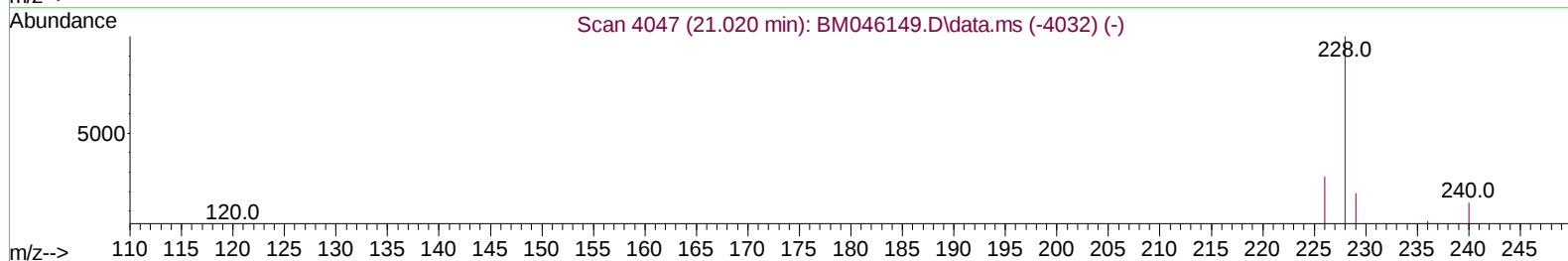
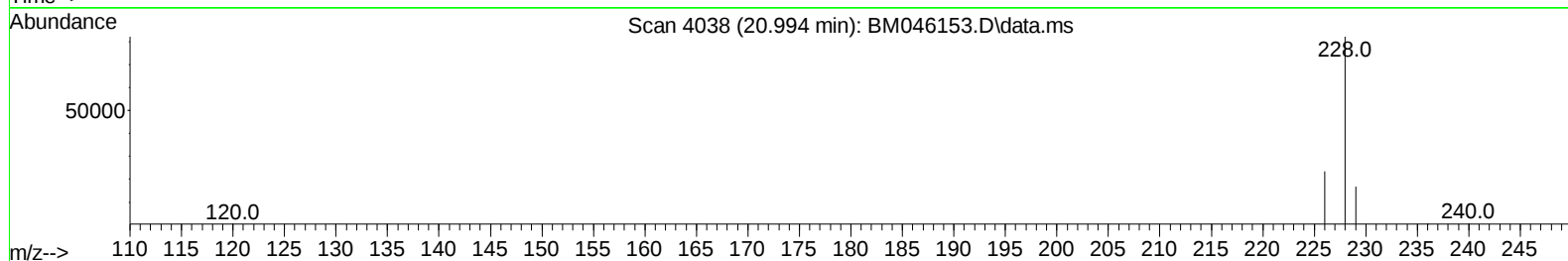
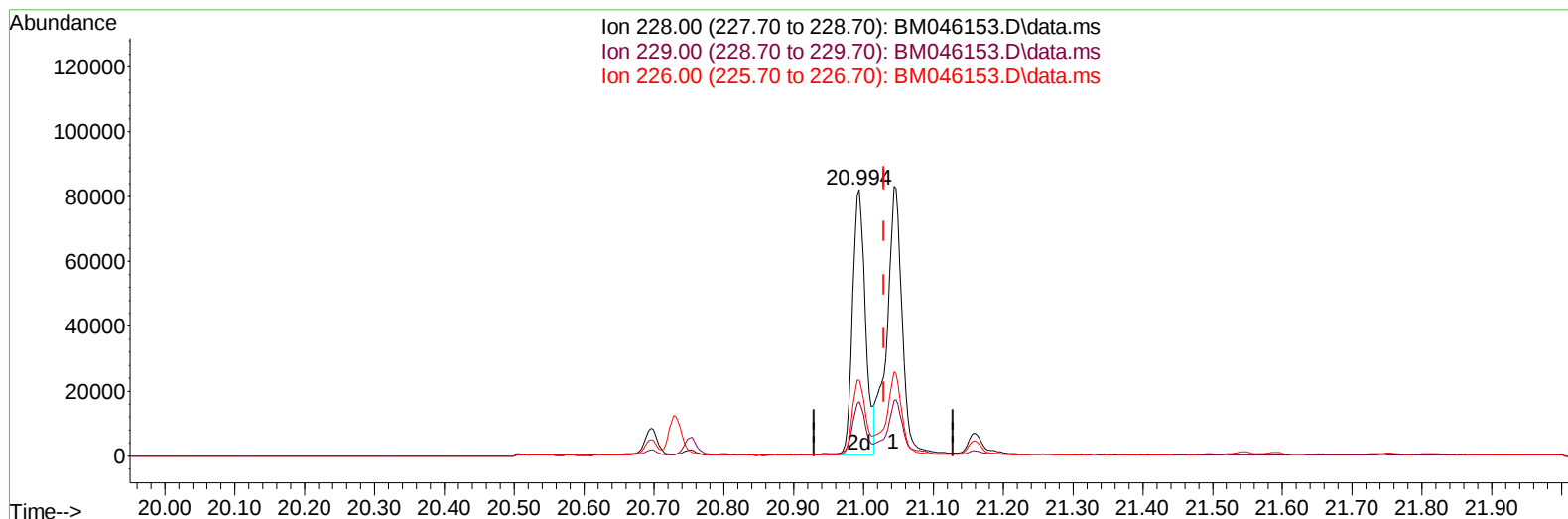
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046153.D
Acq On : 21 Jun 2024 10:51
Operator : MA/JU
Sample : P2754-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 11:23:17 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 :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046153.D\data.ms

(21) Benzo(a)anthracene

20.994min (-0.035) 4.34 ng/u1 m

response 104039

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.50	20.34
226.00	29.30	28.63
0.00	0.00	0.00

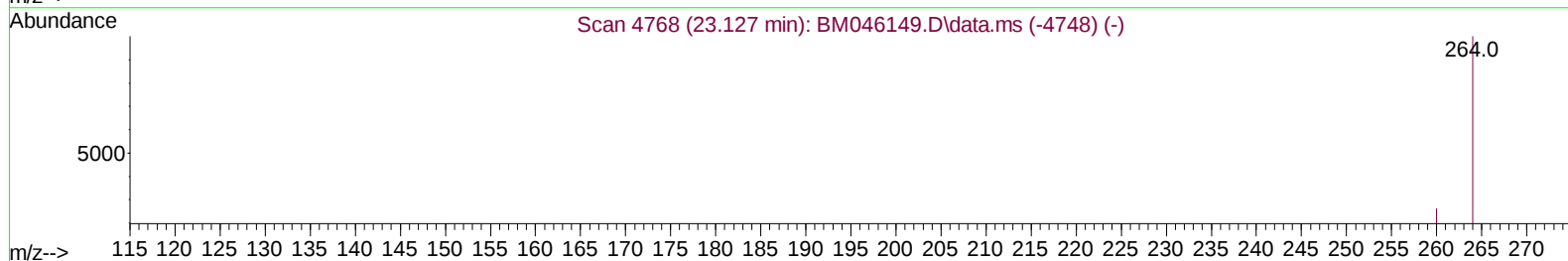
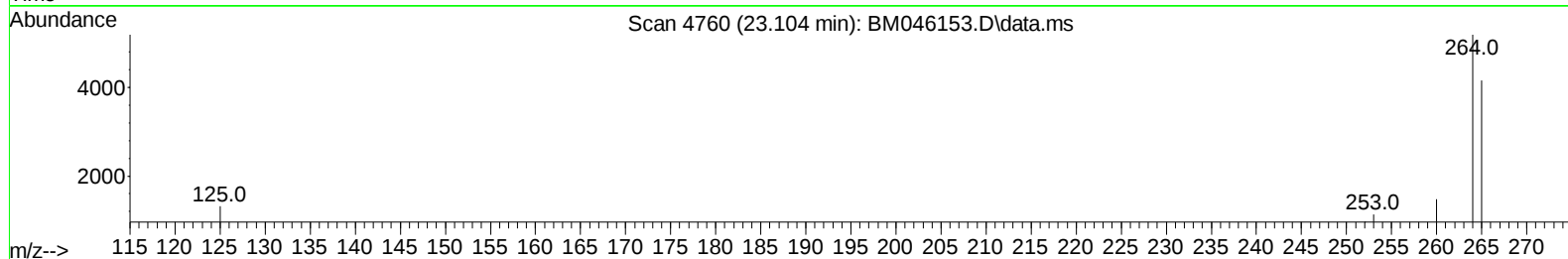
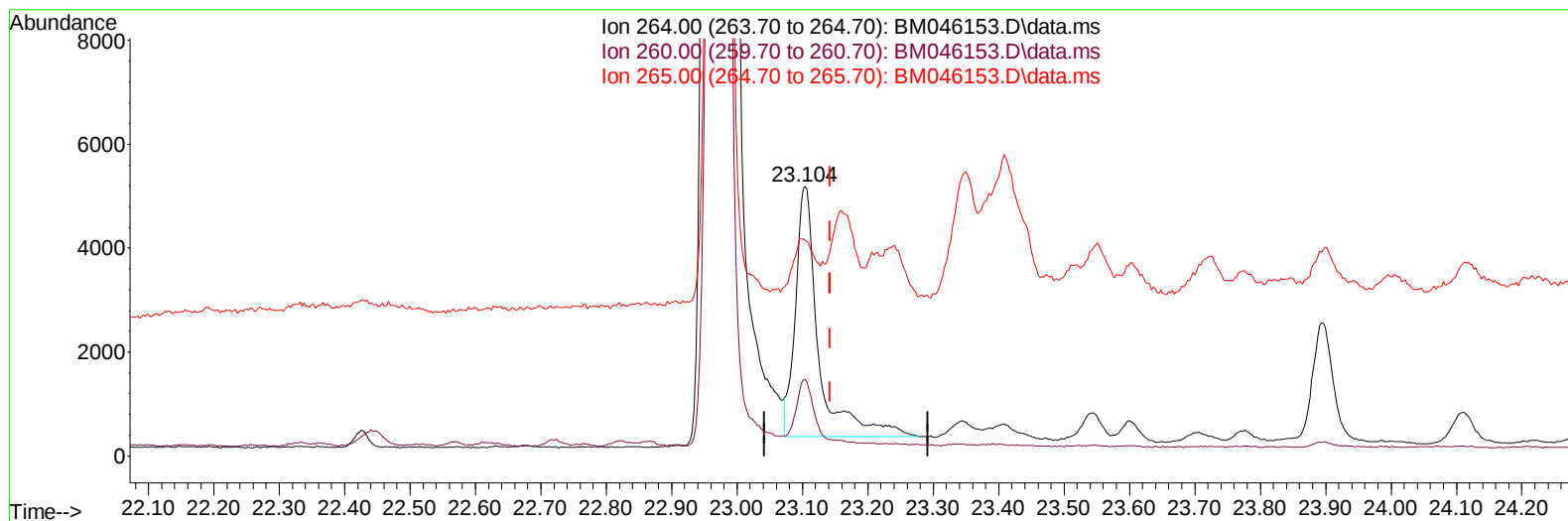
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046153.D
Acq On : 21 Jun 2024 10:51
Operator : MA/JU
Sample : P2754-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 11:23:17 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 :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046153.D\data.ms

(23) Perylene-d12 (I)

23.104min (-0.038) 0.40 ng/u1

response 11893

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	28.35
265.00	110.60	80.07#
0.00	0.00	0.00

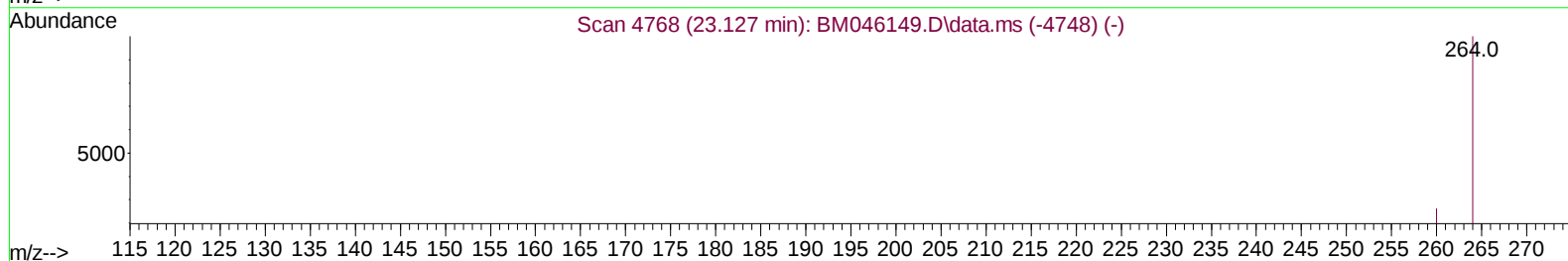
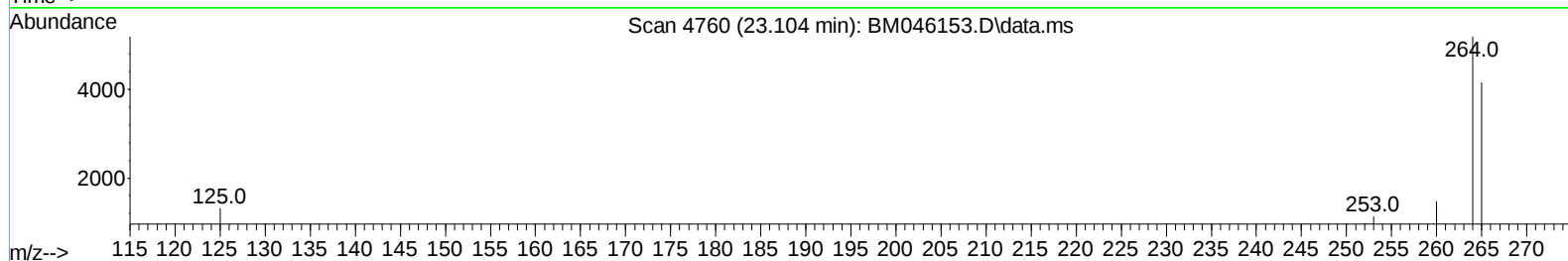
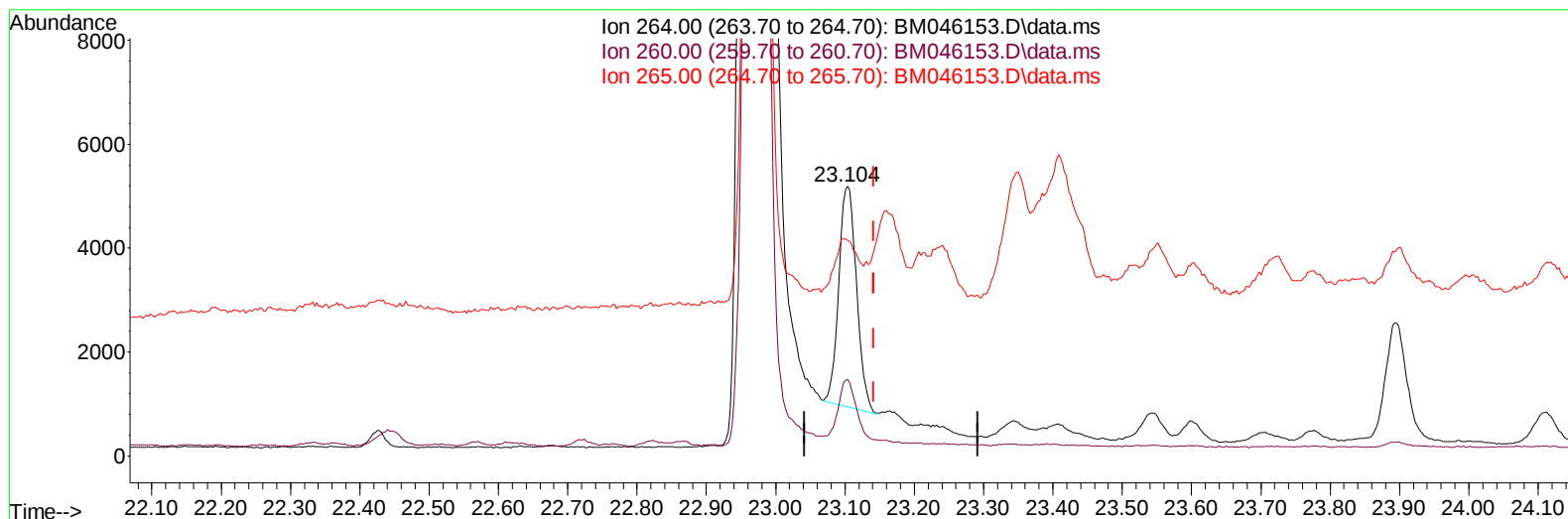
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046153.D
Acq On : 21 Jun 2024 10:51
Operator : MA/JU
Sample : P2754-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 11:23:17 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 :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046153.D\data.ms

(23) Perylene-d12 (I)

23.104min (-0.038) 0.40 ng/u1 m

response 7530

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	28.35
265.00	110.60	80.07#
0.00	0.00	0.00

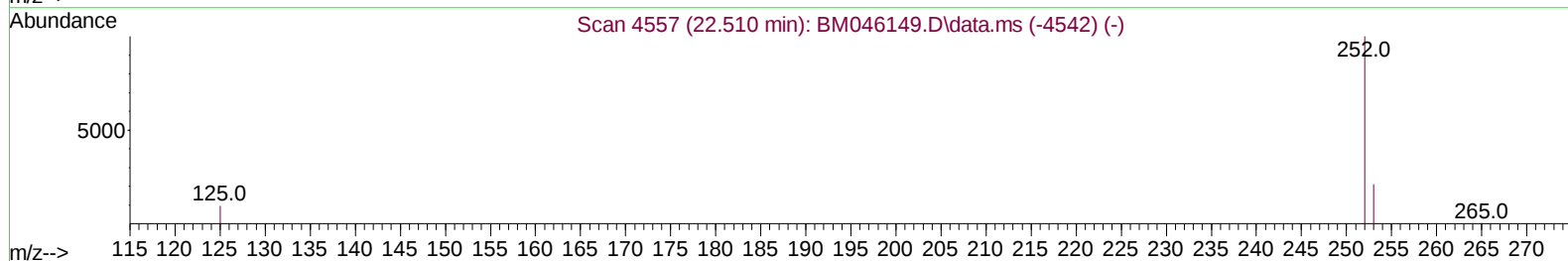
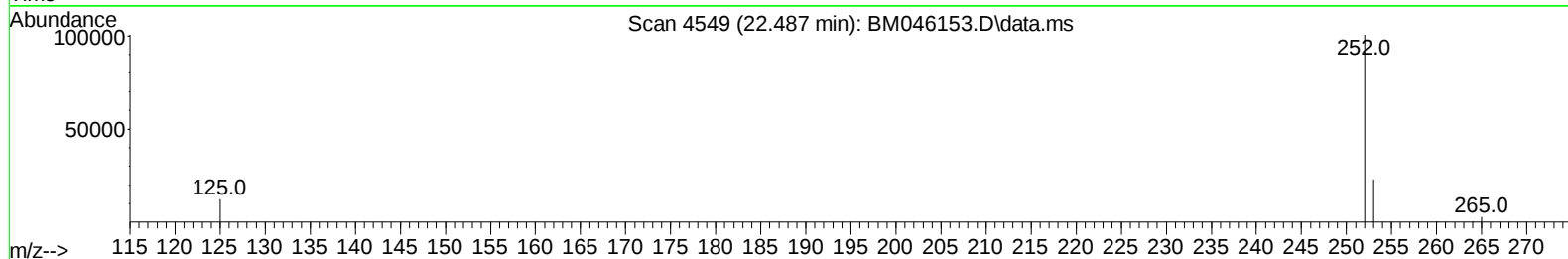
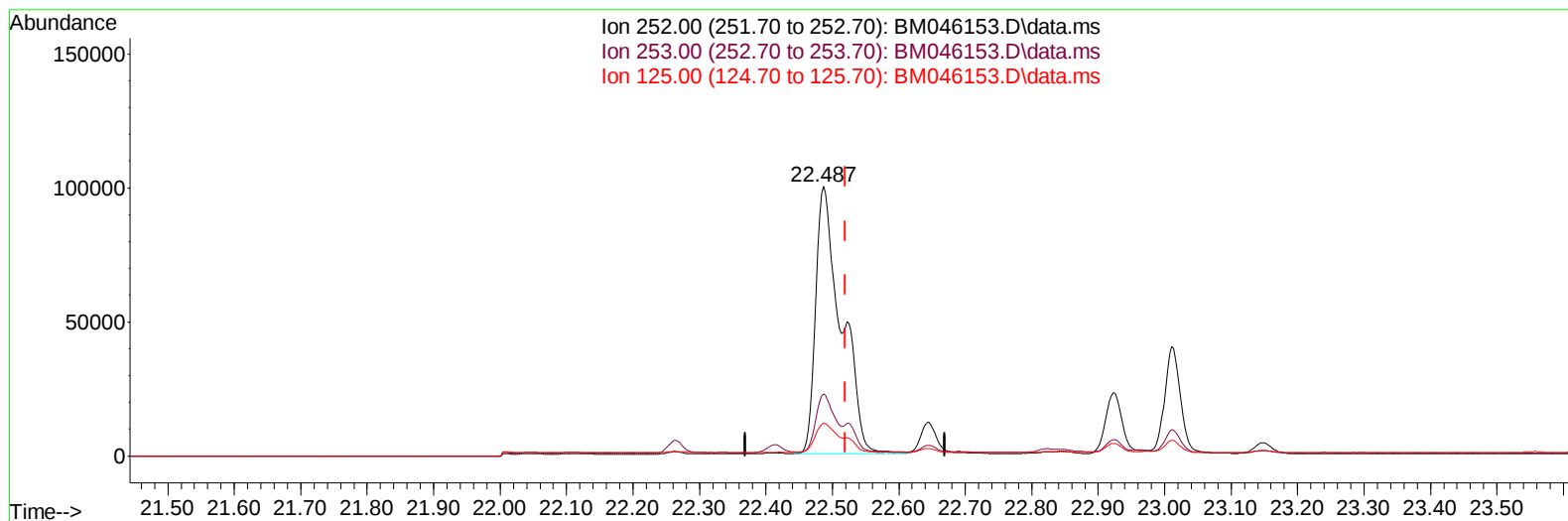
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046153.D
Acq On : 21 Jun 2024 10:51
Operator : MA/JU
Sample : P2754-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 11:23:17 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 :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046153.D\data.ms

(24) Benzo(b)fluoranthene

22.487min (-0.033) 9.89 ng/u1

response 268221

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	22.90
125.00	20.10	12.22
0.00	0.00	0.00

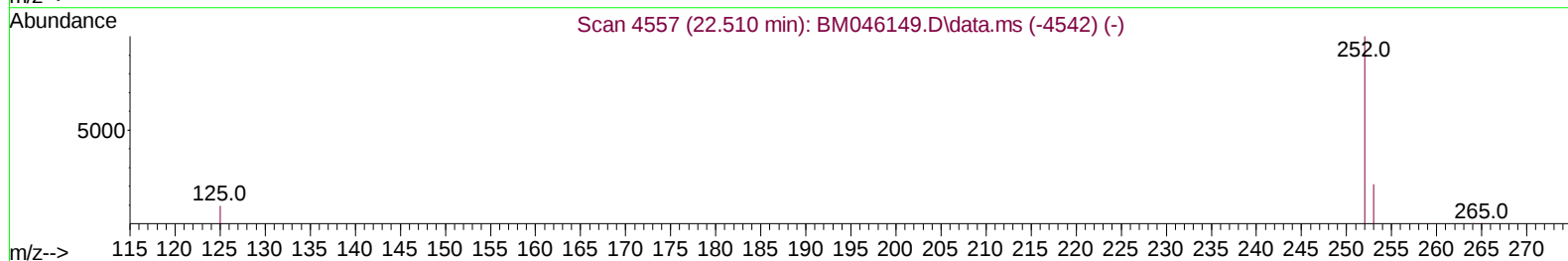
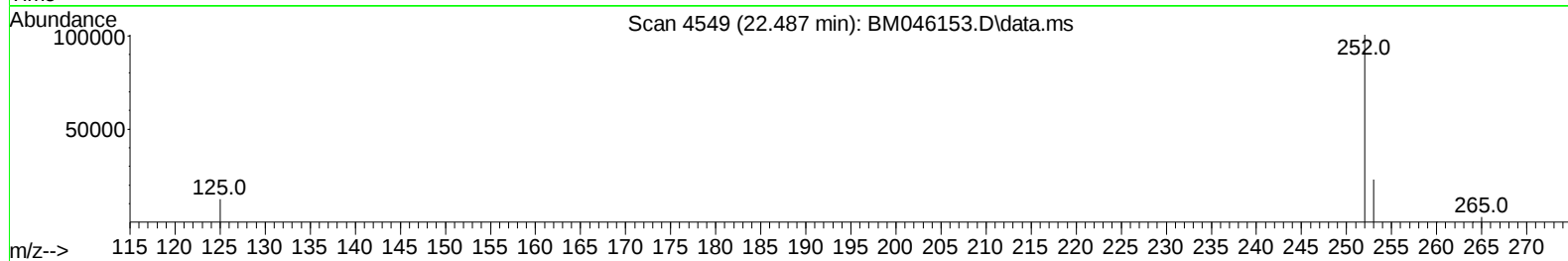
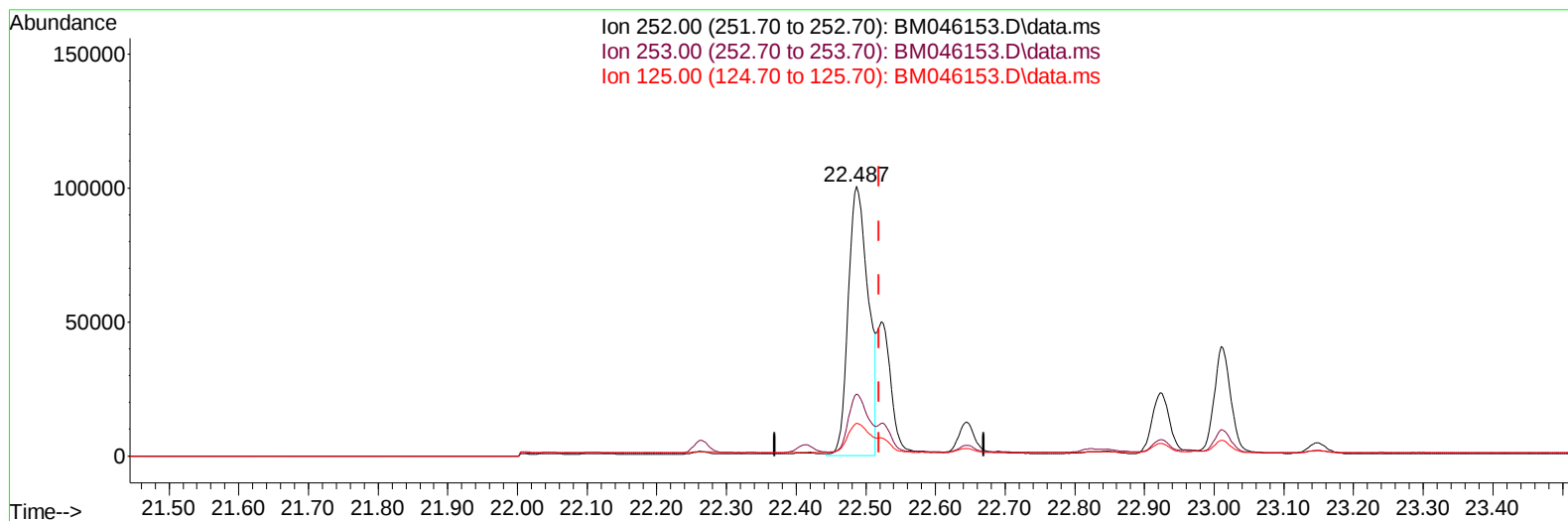
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046153.D
Acq On : 21 Jun 2024 10:51
Operator : MA/JU
Sample : P2754-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 11:23:17 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 :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046153.D\data.ms

(24) Benzo(b)fluoranthene

22.487min (-0.033) 7.40 ng/u1 m

response 200813

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	22.90
125.00	20.10	12.22
0.00	0.00	0.00

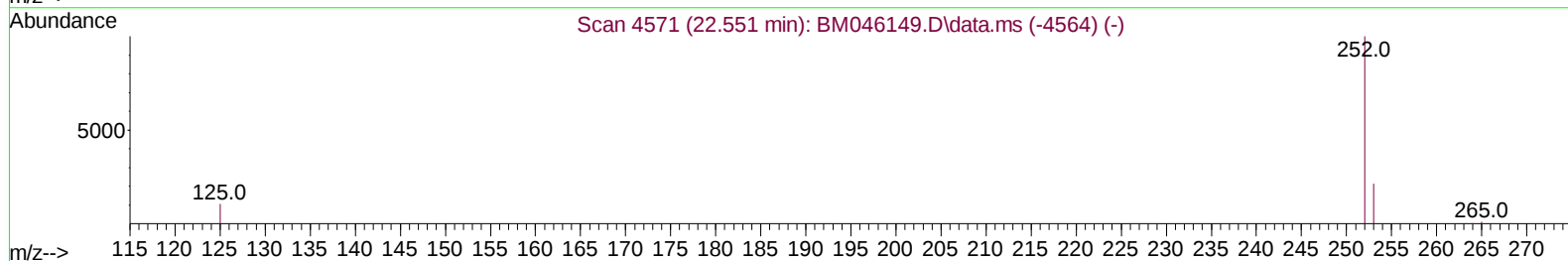
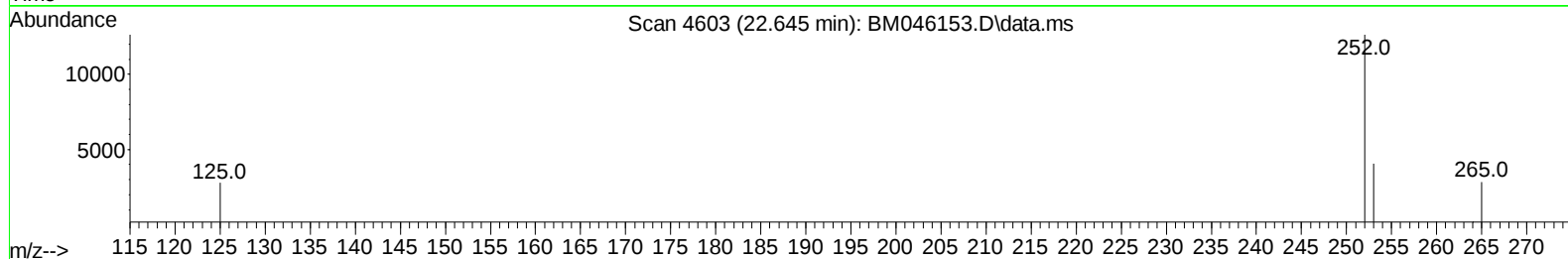
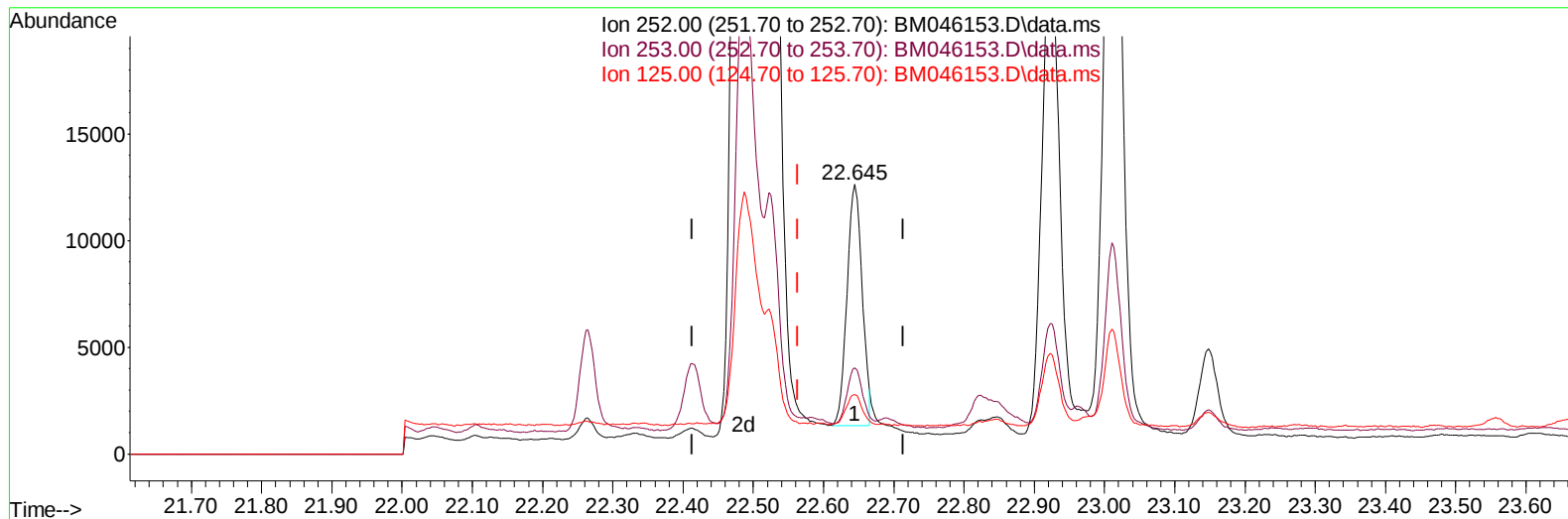
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046153.D
Acq On : 21 Jun 2024 10:51
Operator : MA/JU
Sample : P2754-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 11:23:17 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 :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046153.D\data.ms

(25) Benzo(k)fluoranthene

22.645min (+ 0.081) 0.53 ng/u1

response 16997

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	32.00
125.00	20.80	22.12
0.00	0.00	0.00

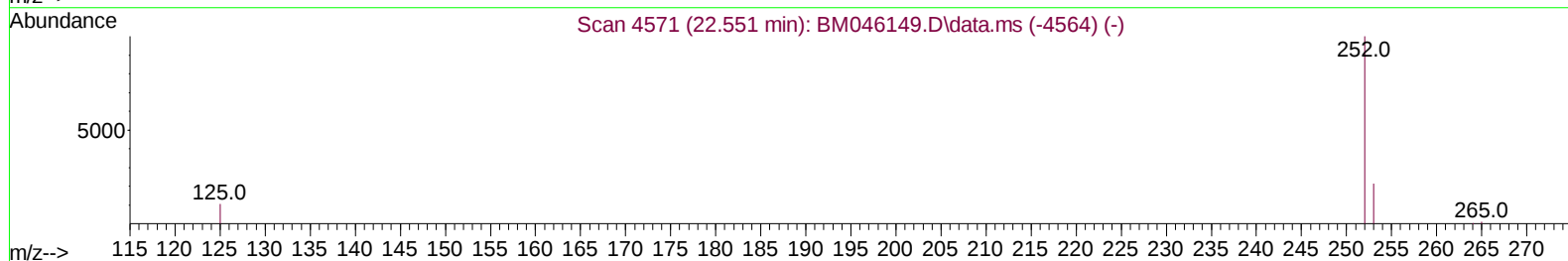
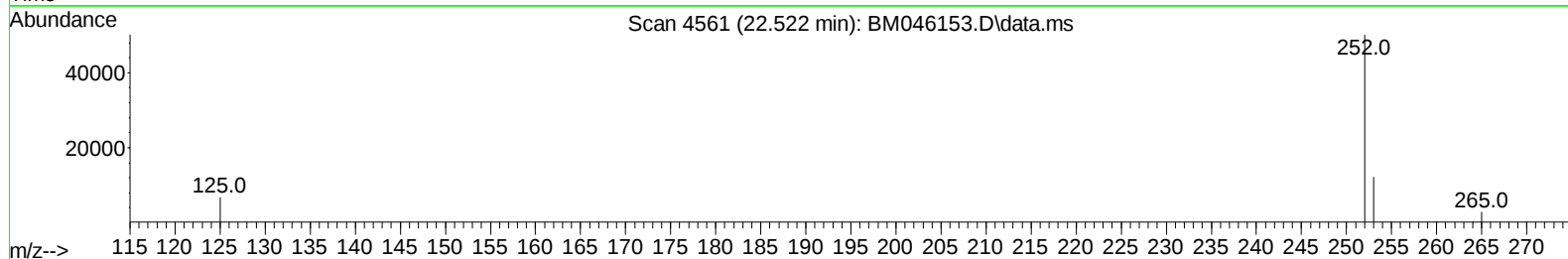
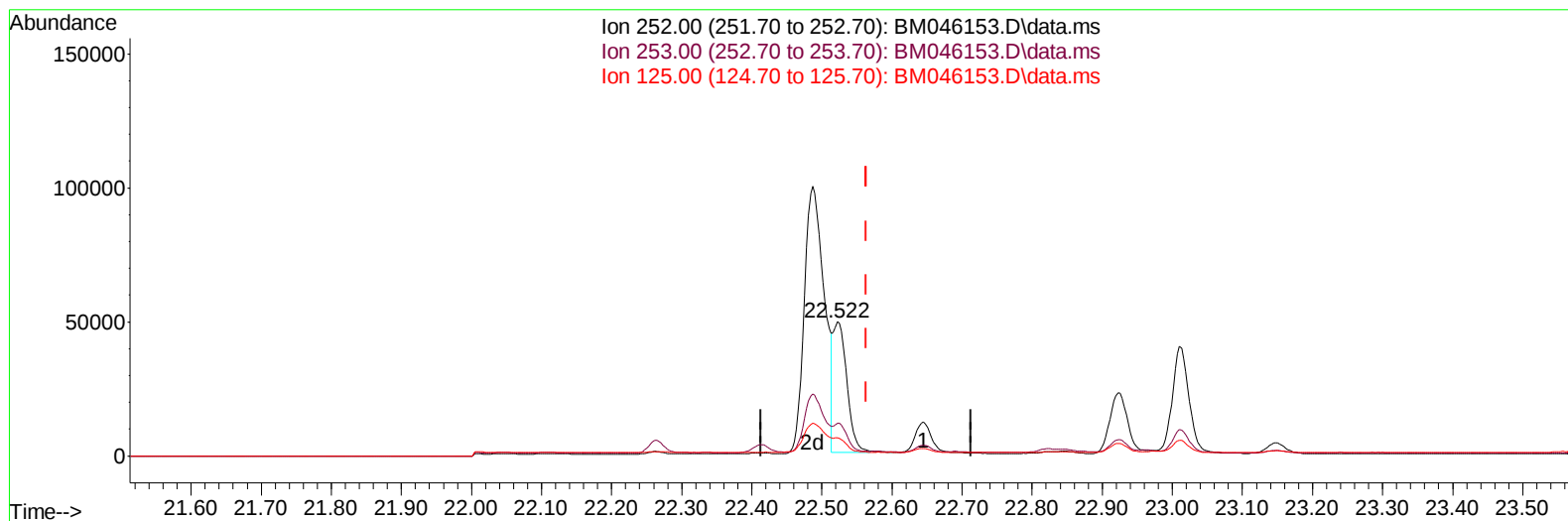
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046153.D
Acq On : 21 Jun 2024 10:51
Operator : MA/JU
Sample : P2754-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 11:23:17 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 :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046153.D\data.ms

(25) Benzo(k)fluoranthene

22.522min (-0.041) 2.05 ng/u1 m

response 66257

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	24.47#
125.00	20.80	13.60#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046153.D
 Acq On : 21 Jun 2024 10:51
 Operator : MA/JU
 Sample : P2754-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BP4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 11:23:17 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 :Jagrut Upadhyay 06/21/2024
 Supervised By :mohammad ahmed 06/24/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.421	152	2386	0.400	ng/ul	-0.04
4) Naphthalene-d8	10.194	136	6751	0.400	ng/ul	-0.06
9) Acenaphthene-d10	14.067	164	3636	0.400	ng/ul	#-0.04
13) Phenanthrene-d10	16.812	188	7741m	0.400	ng/ul	-0.05
17) Chrysene-d12	21.009	240	6201m	0.400	ng/ul	-0.04
23) Perylene-d12	23.104	264	7530m	0.400	ng/ul	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.029	96	11951	3.651	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	11.816	152	2437	0.269	ng/ul	-0.05
18) Fluoranthene-d10	18.844	212	5392	0.290	ng/ul	-0.04
Target Compounds						
					Qvalue	
5) Naphthalene	10.244	128	2531	0.134	ng/ul#	93
7) 2-Methylnaphthalene	11.893	142	638	0.060	ng/ul	100
8) 1-Methylnaphthalene	12.108	142	567	0.049	ng/ul	96
10) Acenaphthylene	13.785	152	5200	0.302	ng/ul	98
11) Acenaphthene	14.132	153	2323	0.187	ng/ul	97
12) Fluorene	15.127	166	2825	0.211	ng/ul	98
15) Phenanthrene	16.850	178	76566m	3.521	ng/ul	
16) Anthracene	16.947	178	15586m	0.962	ng/ul	
19) Fluoranthene	18.872	202	233088	8.681	ng/ul	99
20) Pyrene	19.239	202	161115	5.549	ng/ul#	94
21) Benzo(a)anthracene	20.994	228	104039m	4.344	ng/ul	
22) Chrysene	21.044	228	124490	4.073	ng/ul	100
24) Benzo(b)fluoranthene	22.487	252	200813m	7.402	ng/ul	
25) Benzo(k)fluoranthene	22.522	252	66257m	2.054	ng/ul	
26) Benzo(a)pyrene	23.010	252	66715	2.654	ng/ul#	75
27) Indeno(1,2,3-cd)pyrene	25.145	276	73345	1.783	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.155	278	22828	0.745	ng/ul	94
29) Benzo(g,h,i)perylene	25.776	276	10724	0.304	ng/ul#	93

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046153.D
Acq On : 21 Jun 2024 10:51
Operator : MA/JU
Sample : P2754-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 11:23:17 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 :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024

