

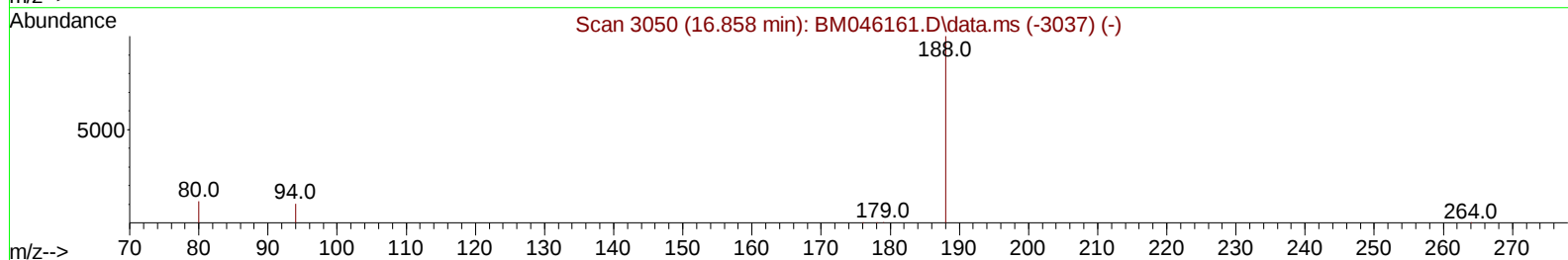
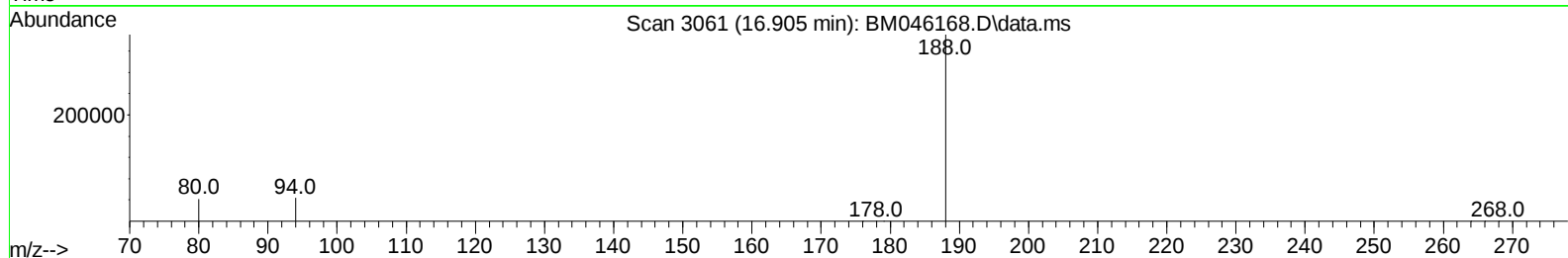
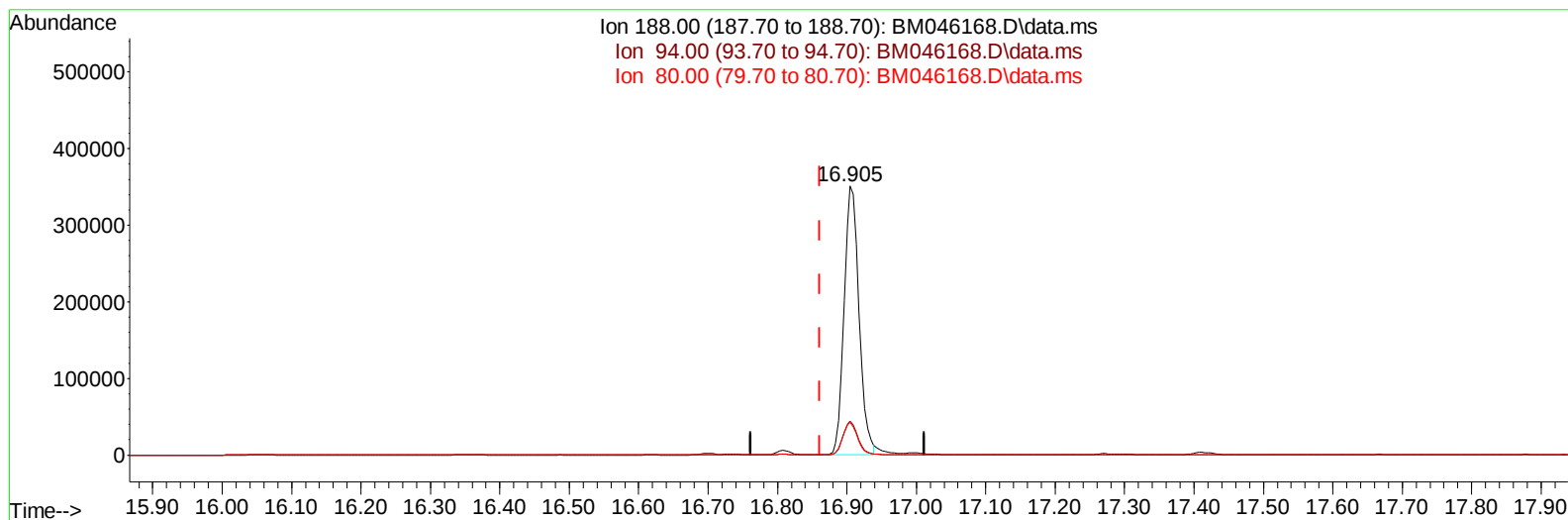
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046168.D
Acq On : 21 Jun 2024 20:06
Operator : MA/JU
Sample : P2754-18
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:54 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: BM046168.D\data.ms

(13) Phenanthrene-d10 (I)

16.905min (+ 0.043) 0.40 ng/u1

response 522173

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.54
80.00	15.20	12.06#
0.00	0.00	0.00

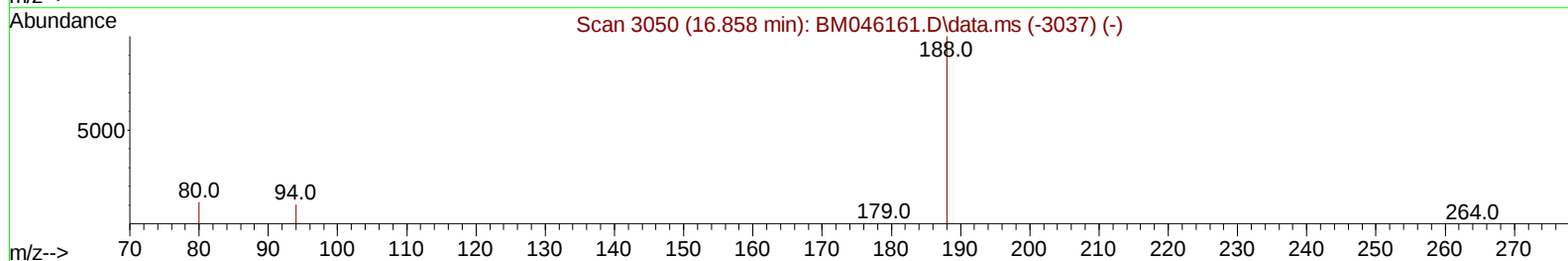
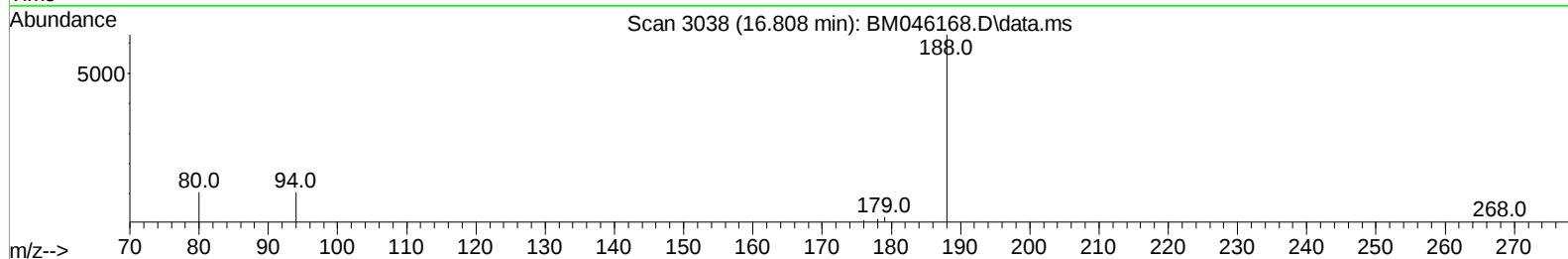
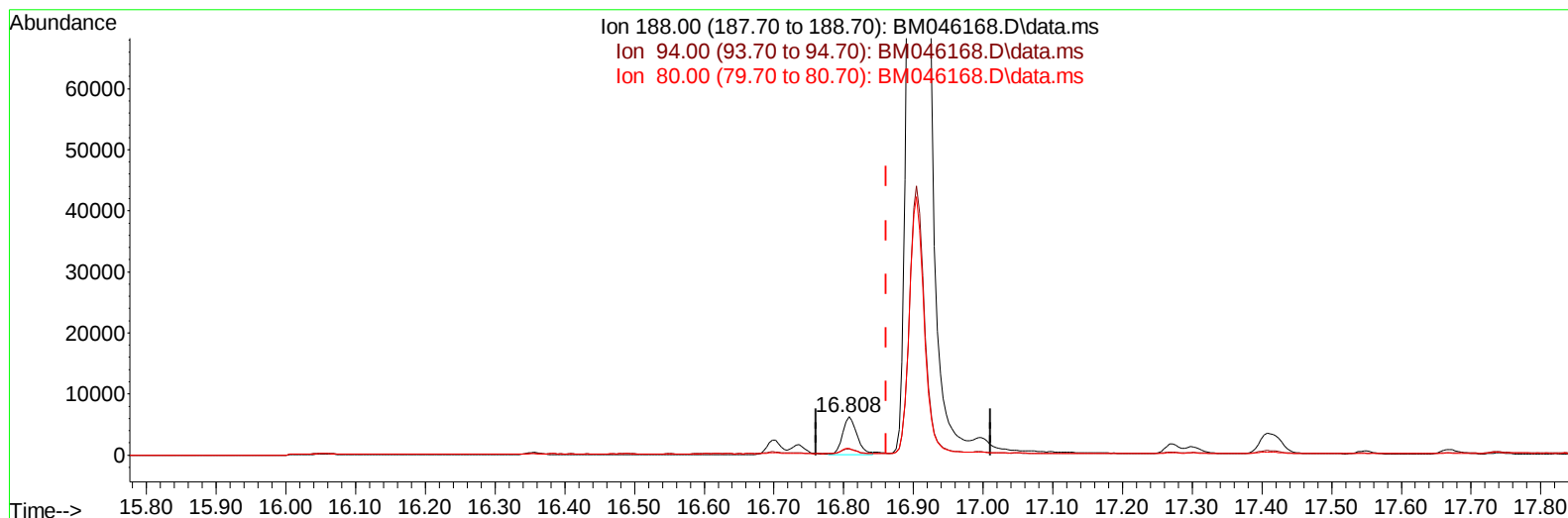
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046168.D
Acq On : 21 Jun 2024 20:06
Operator : MA/JU
Sample : P2754-18
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:54 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: BM046168.D\data.ms

(13) Phenanthrene-d10 (I)

16.808min (-0.054) 0.40 ng/ul m

response 8732

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	16.67#
80.00	15.20	16.88
0.00	0.00	0.00

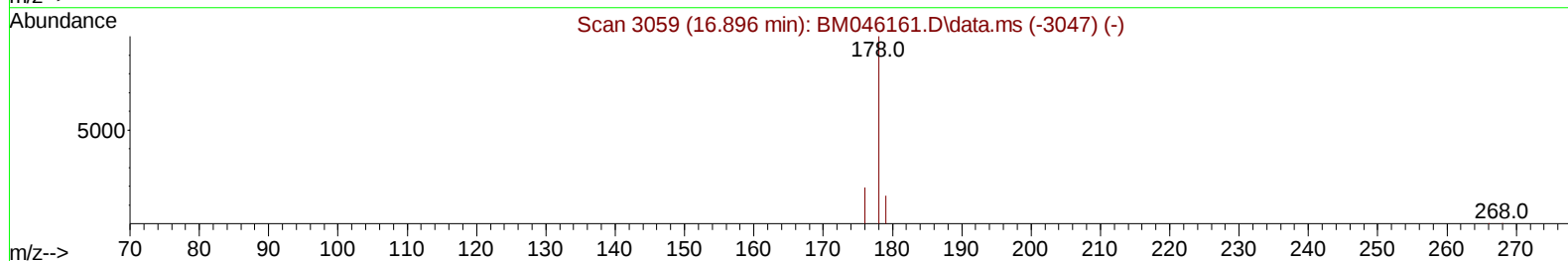
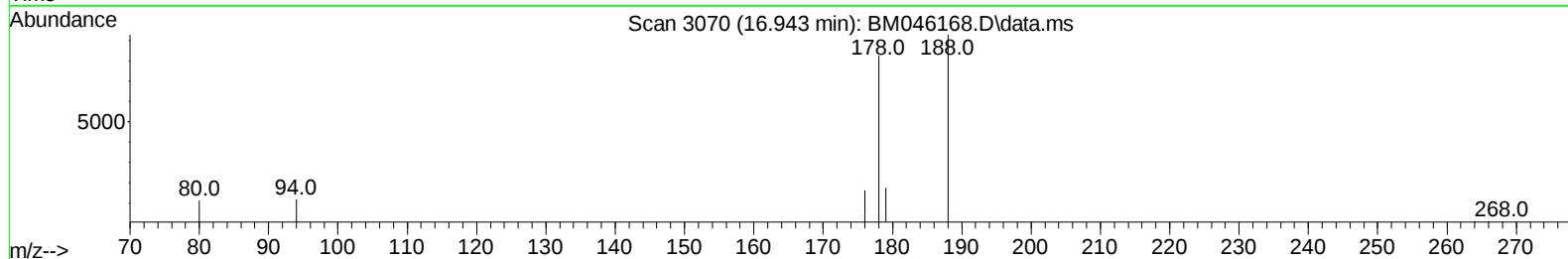
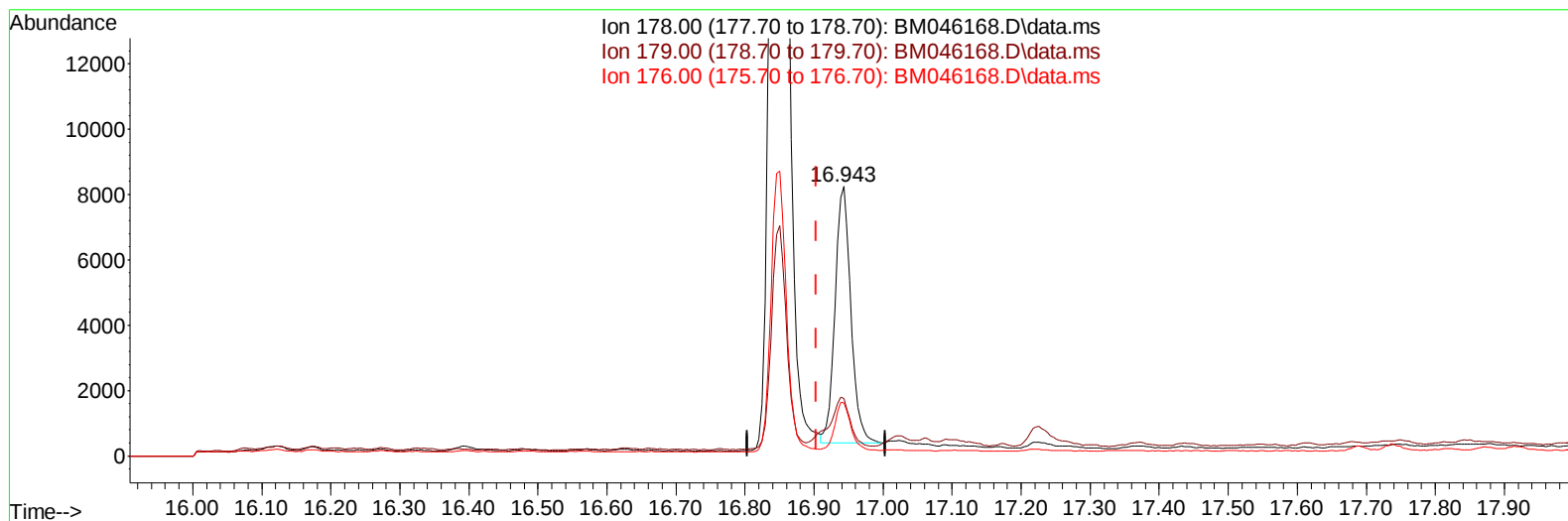
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046168.D
 Acq On : 21 Jun 2024 20:06
 Operator : MA/JU
 Sample : P2754-18
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BQ4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:54 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: BM046168.D\data.ms

(15) Phenanthrene

16.943min (+ 0.039) 0.51 ng/u1

response 12434

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	21.27#
176.00	21.40	19.81
0.00	0.00	0.00

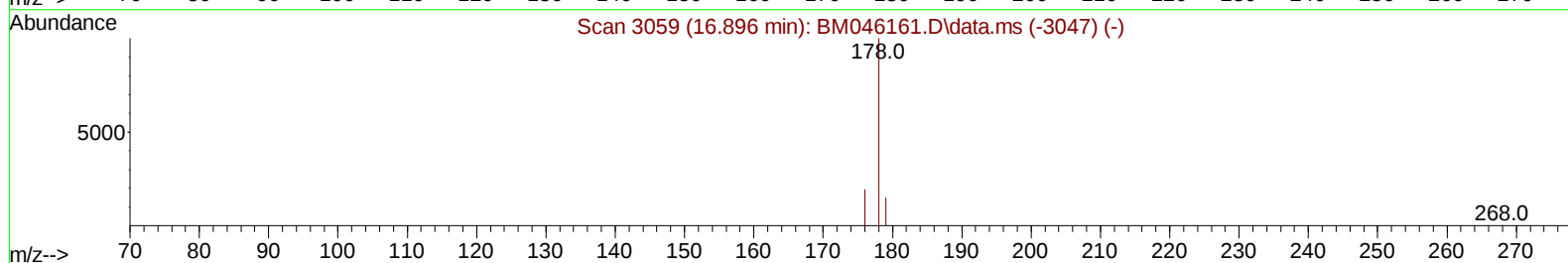
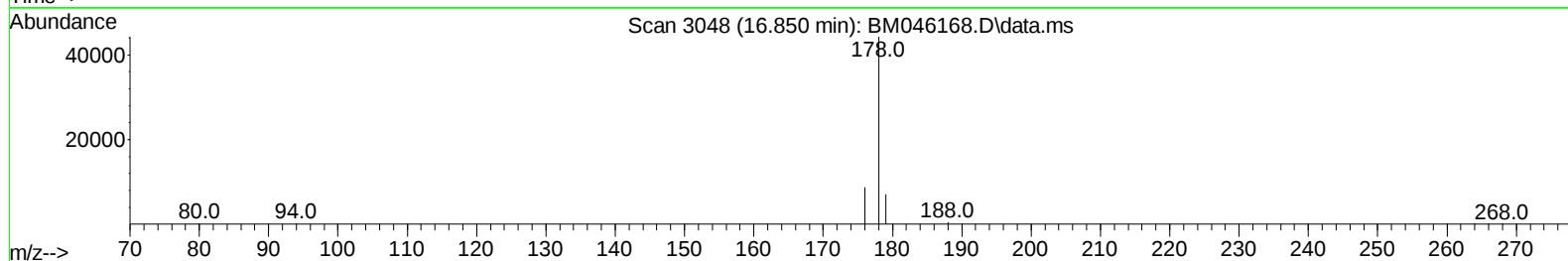
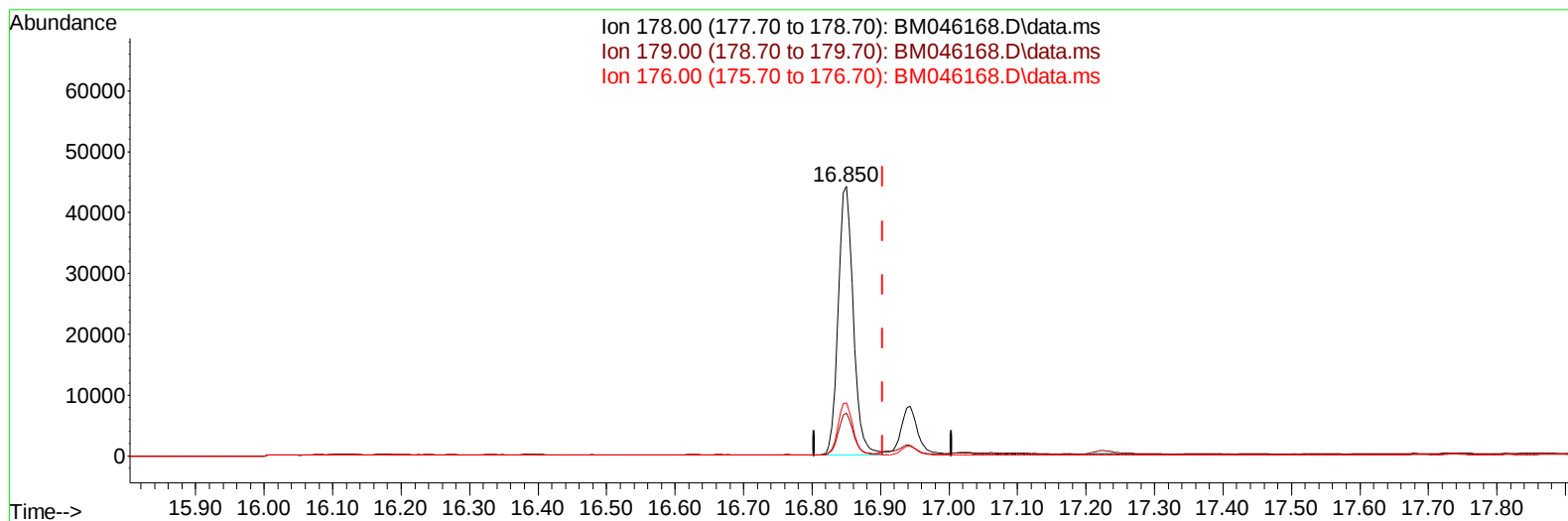
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046168.D
 Acq On : 21 Jun 2024 20:06
 Operator : MA/JU
 Sample : P2754-18
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BQ4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:54 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: BM046168.D\data.ms

(15) Phenanthrene

16.850min (-0.054) 2.79 ng/u1 m

response 68470

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.93
176.00	21.40	19.67
0.00	0.00	0.00

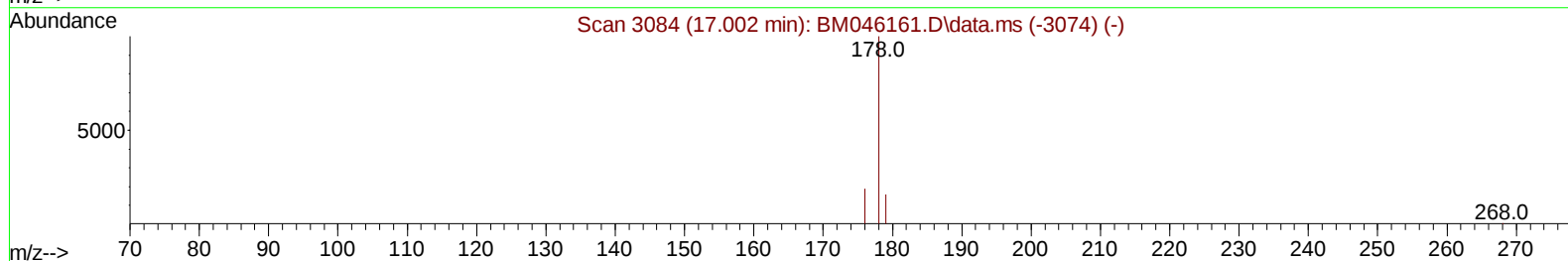
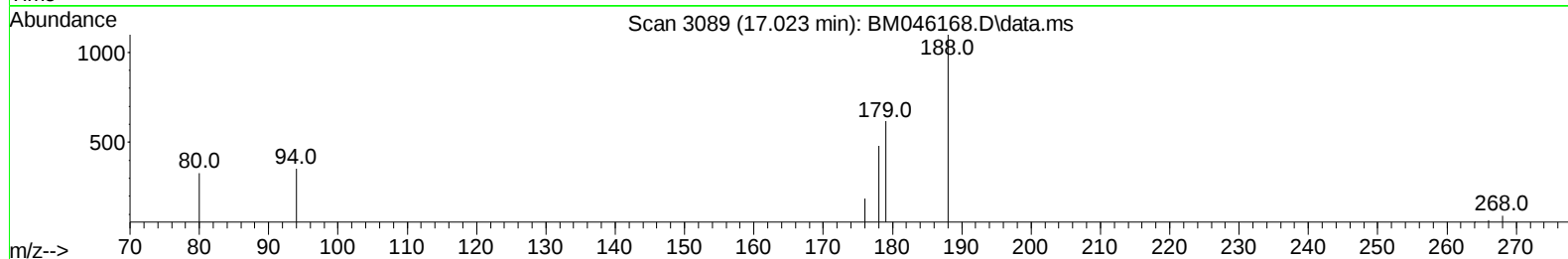
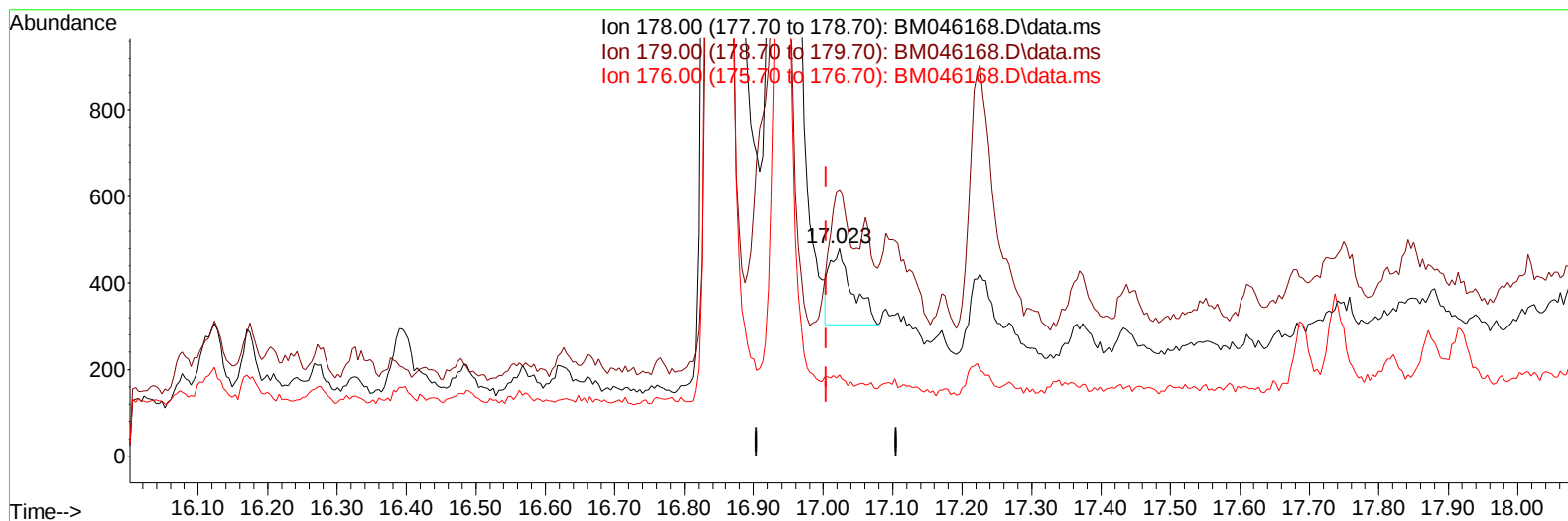
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046168.D
Acq On : 21 Jun 2024 20:06
Operator : MA/JU
Sample : P2754-18
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:54 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: BM046168.D\data.ms

(16) Anthracene

17.023min (+ 0.018) 0.02 ng/u1

response 413

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	128.33#
176.00	21.20	38.96#
0.00	0.00	0.00

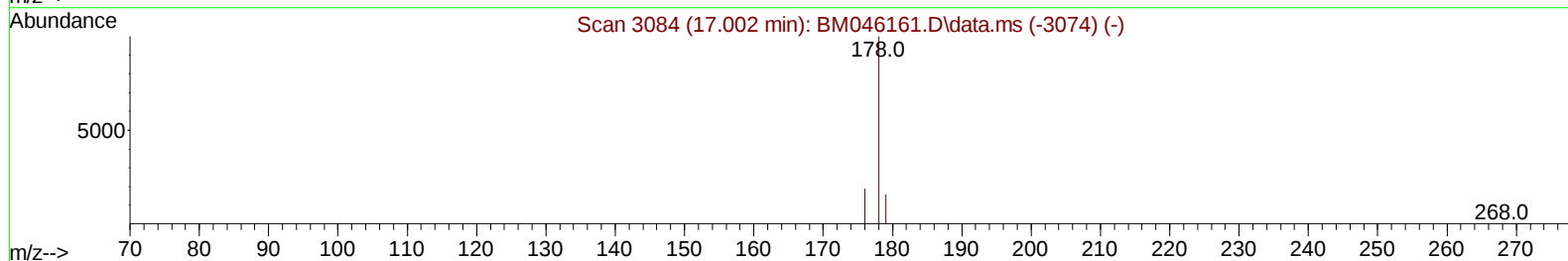
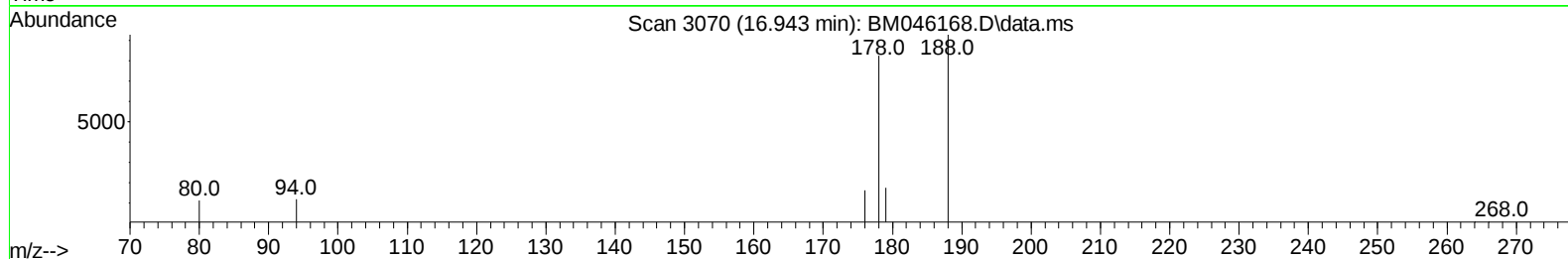
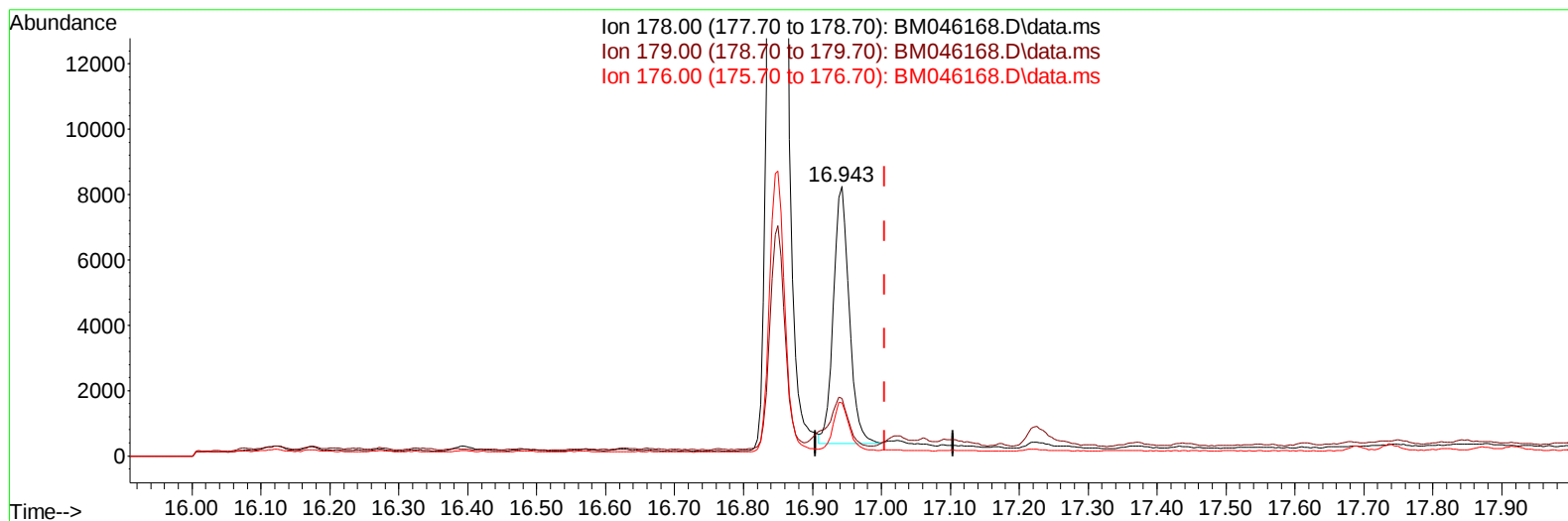
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046168.D
Acq On : 21 Jun 2024 20:06
Operator : MA/JU
Sample : P2754-18
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:54 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: BM046168.D\data.ms

(16) Anthracene

16.943min (-0.062) 0.69 ng/u1 m

response 12550

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	21.27
176.00	21.20	19.81
0.00	0.00	0.00

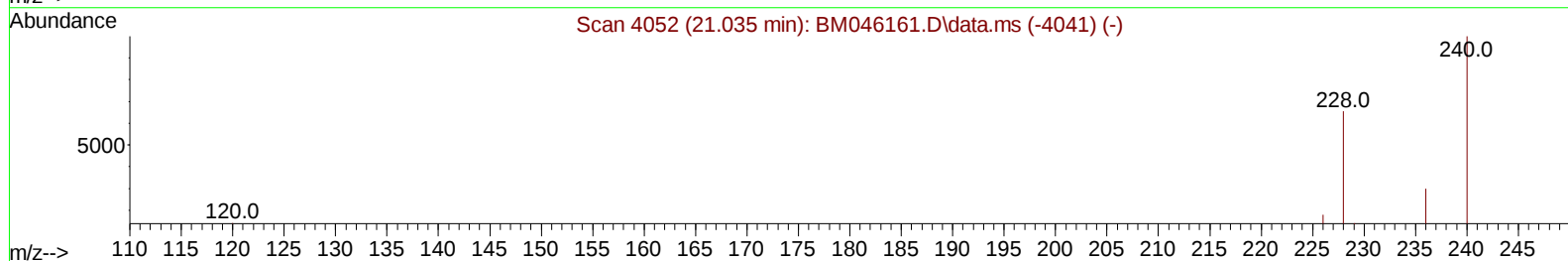
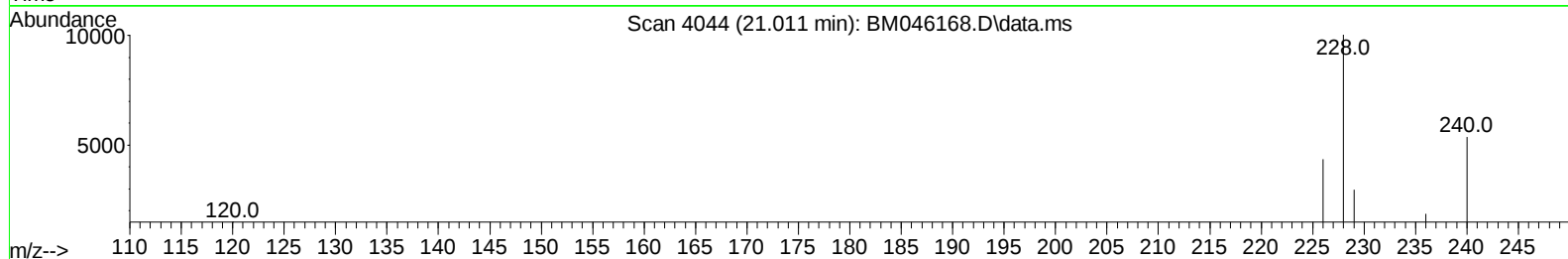
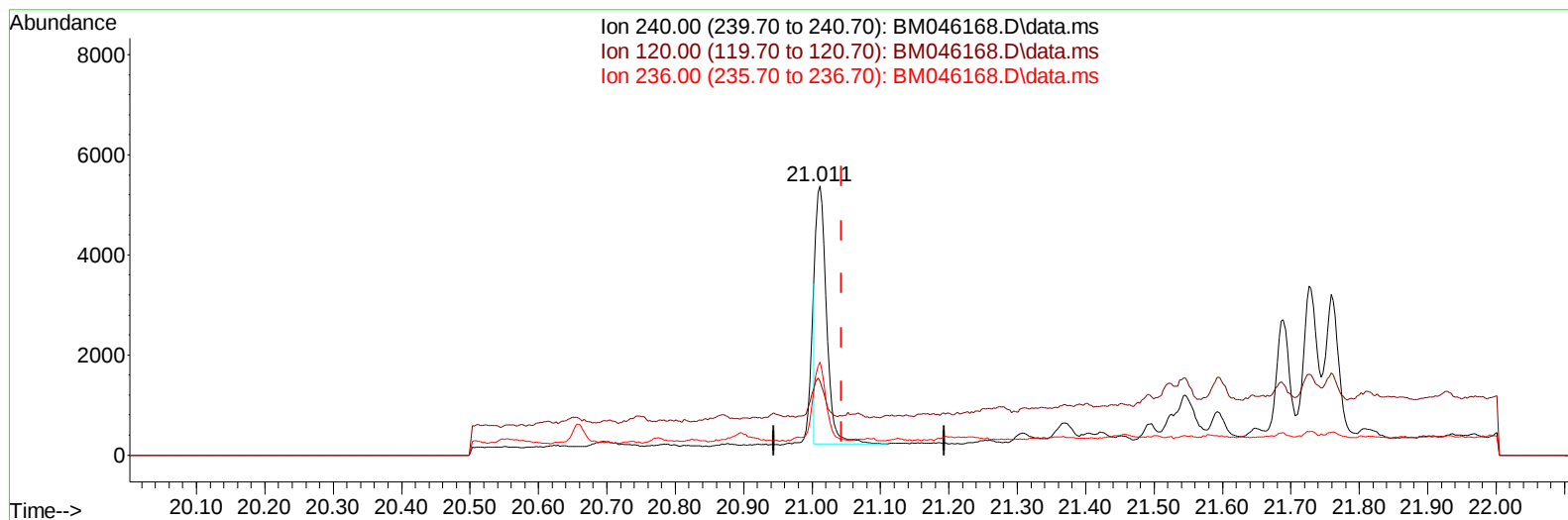
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046168.D
Acq On : 21 Jun 2024 20:06
Operator : MA/JU
Sample : P2754-18
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:54 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: BM046168.D\data.ms

(17) Chrysene-d12

21.011min (-0.033) 0.40 ng/u1

response 5688

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	27.53
236.00	33.60	34.46
0.00	0.00	0.00

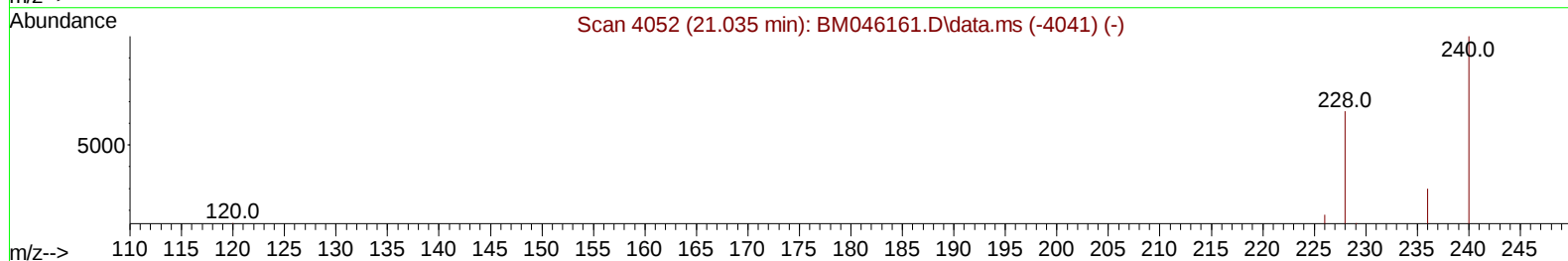
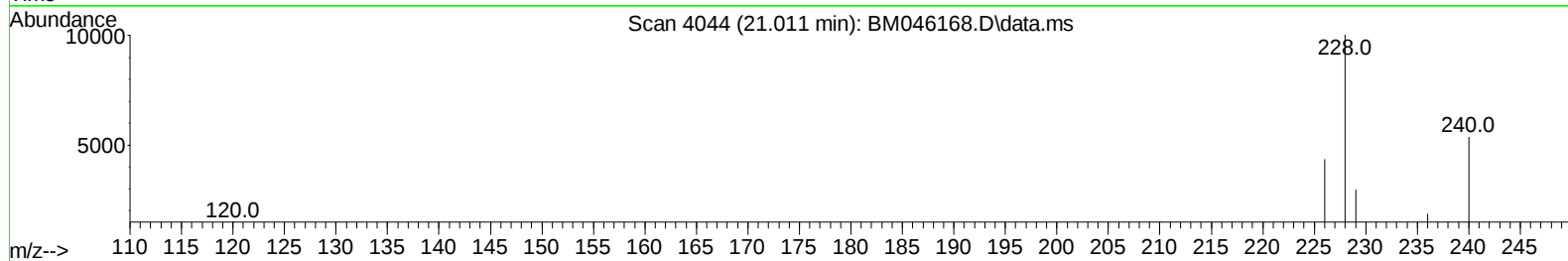
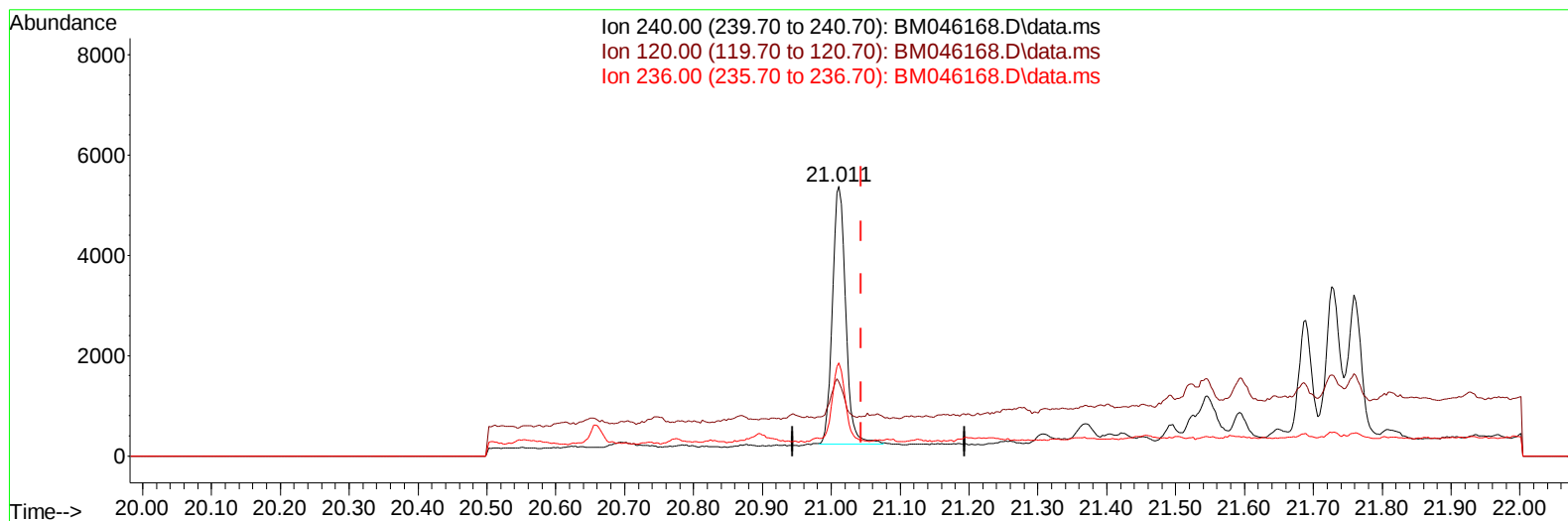
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046168.D
Acq On : 21 Jun 2024 20:06
Operator : MA/JU
Sample : P2754-18
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:54 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: BM046168.D\data.ms

(17) Chrysene-d12

21.011min (-0.033) 0.40 ng/ul m

response 6925

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	27.53
236.00	33.60	34.46
0.00	0.00	0.00

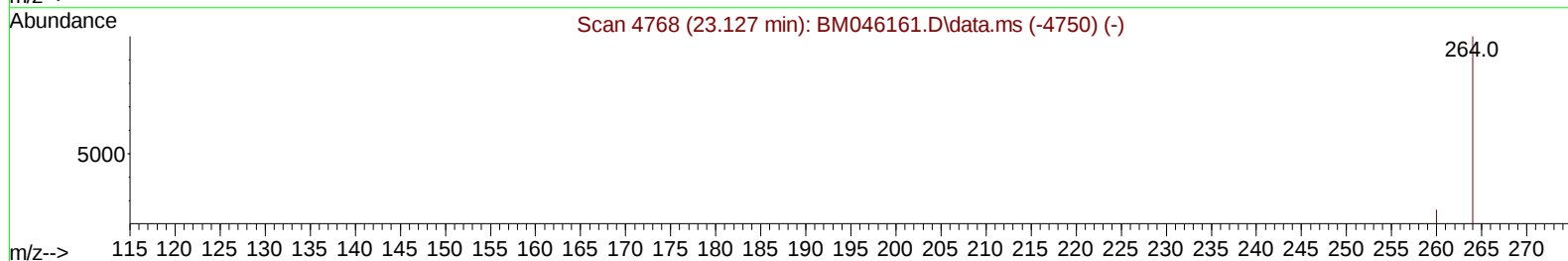
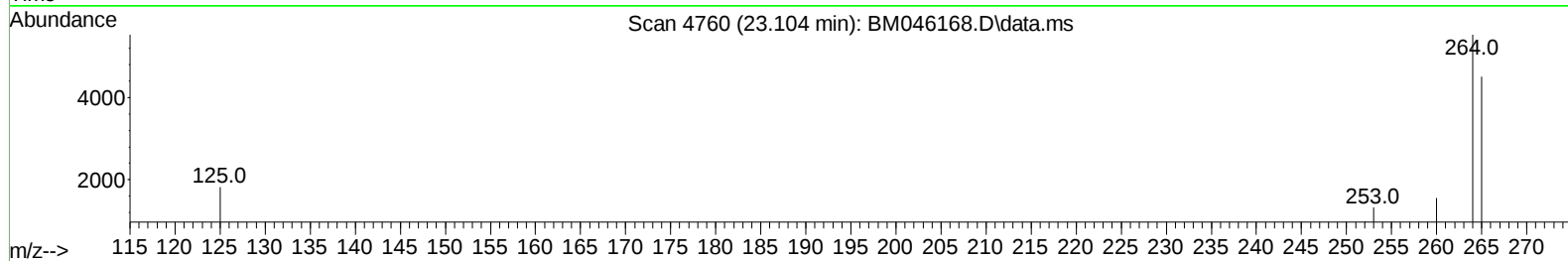
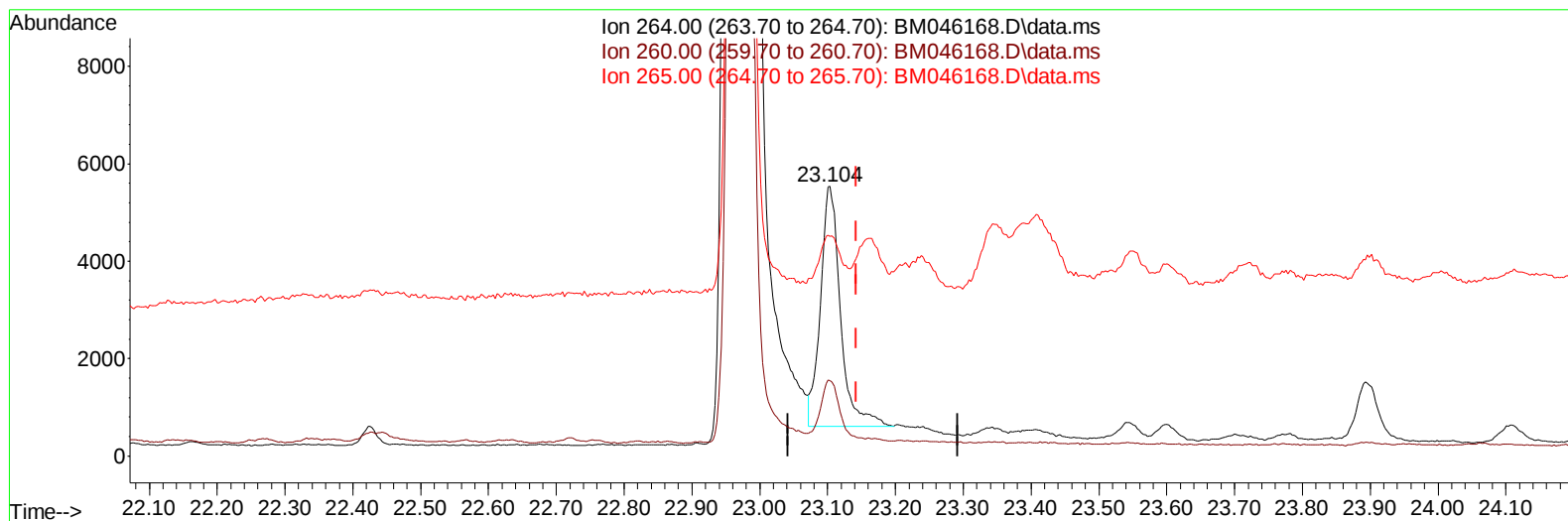
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046168.D
Acq On : 21 Jun 2024 20:06
Operator : MA/JU
Sample : P2754-18
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:54 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: BM046168.D\data.ms

(23) Perylene-d12 (I)

23.104min (-0.039) 0.40 ng/u1

response 10061

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	28.04
265.00	110.60	81.58#
0.00	0.00	0.00

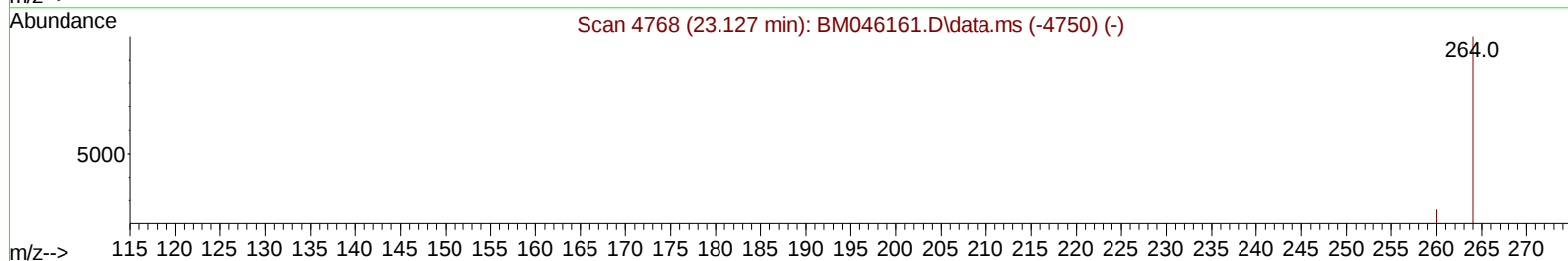
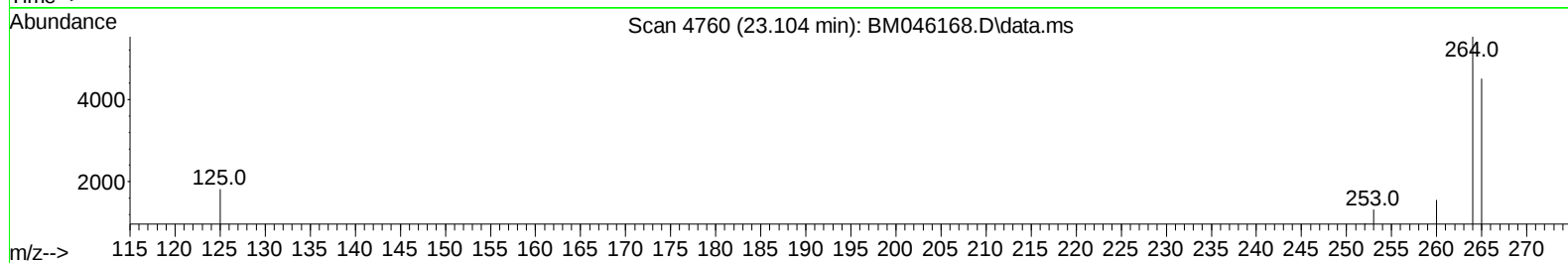
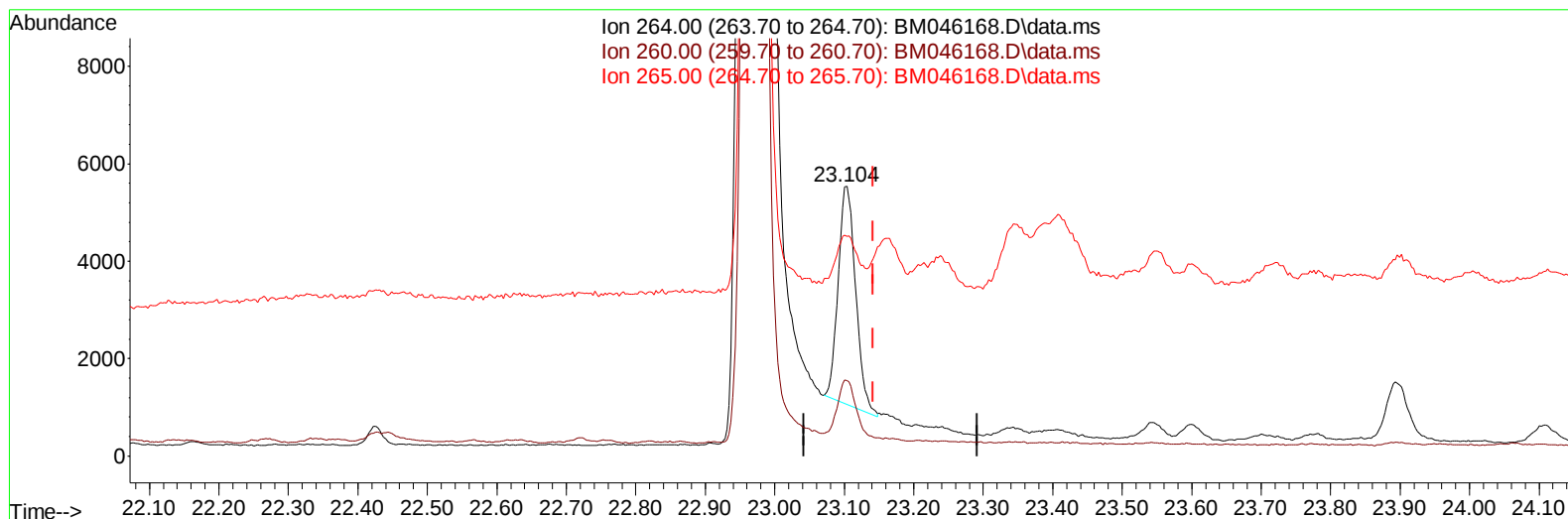
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046168.D
Acq On : 21 Jun 2024 20:06
Operator : MA/JU
Sample : P2754-18
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:54 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: BM046168.D\data.ms

(23) Perylene-d12 (I)

23.104min (-0.039) 0.40 ng/ul m

response 7768

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	28.04
265.00	110.60	81.58#
0.00	0.00	0.00

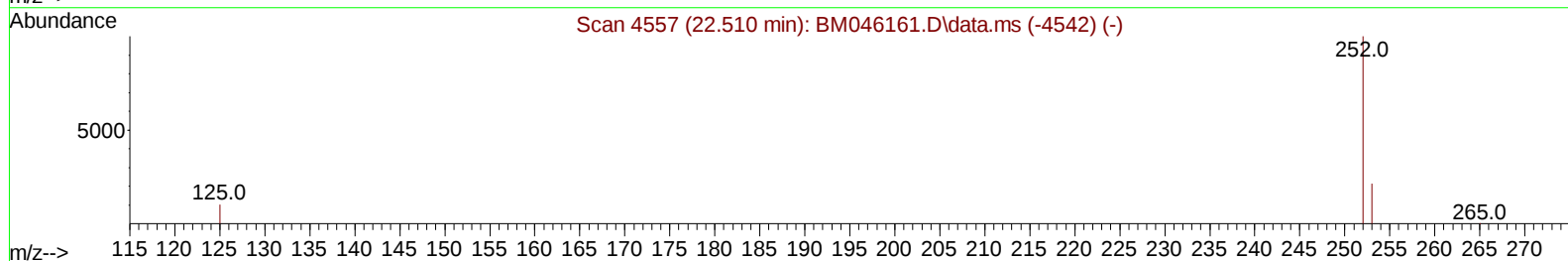
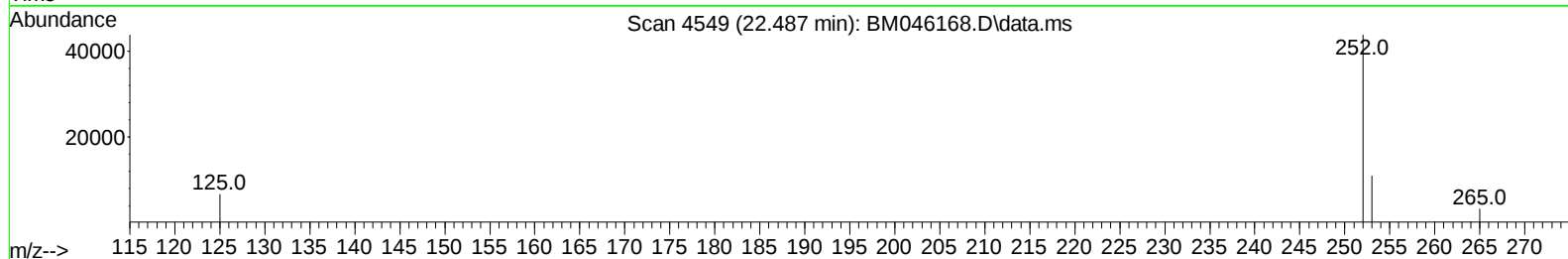
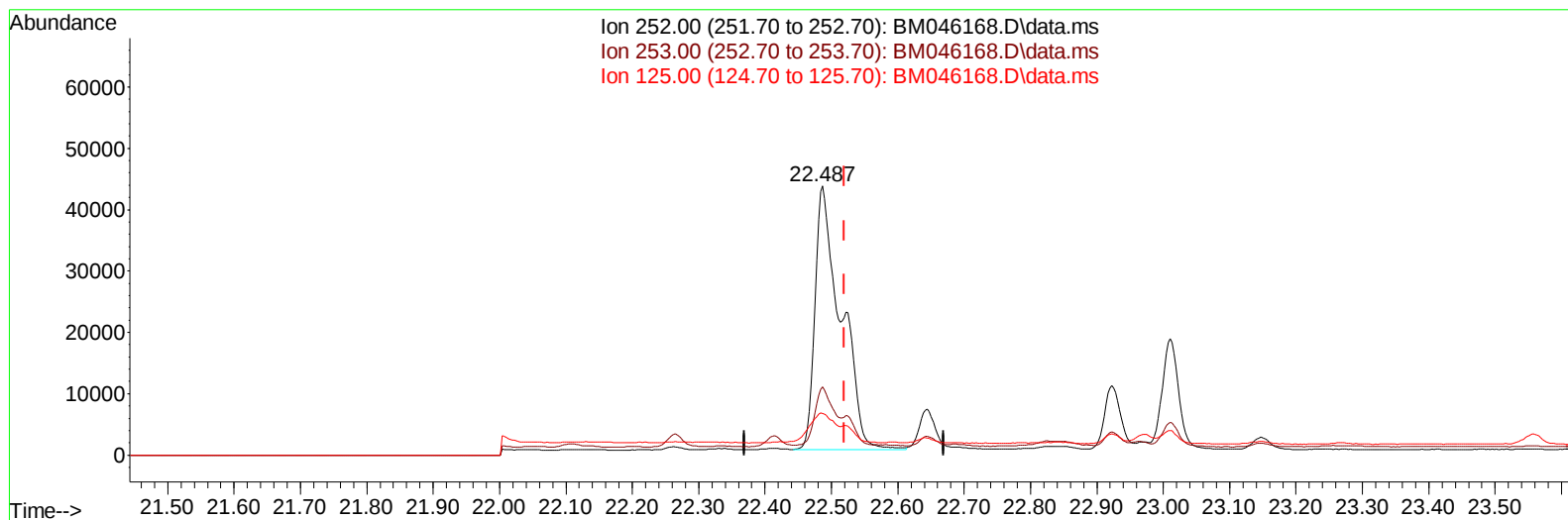
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046168.D
 Acq On : 21 Jun 2024 20:06
 Operator : MA/JU
 Sample : P2754-18
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BQ4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:54 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: BM046168.D\data.ms

(24) Benzo(b)fluoranthene

22.487min (-0.033) 4.17 ng/u1

response 116697

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	25.26
125.00	20.10	15.37
0.00	0.00	0.00

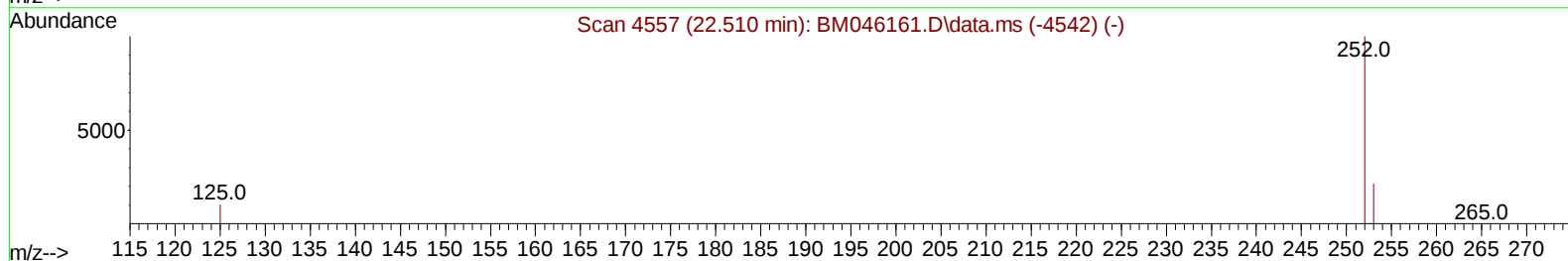
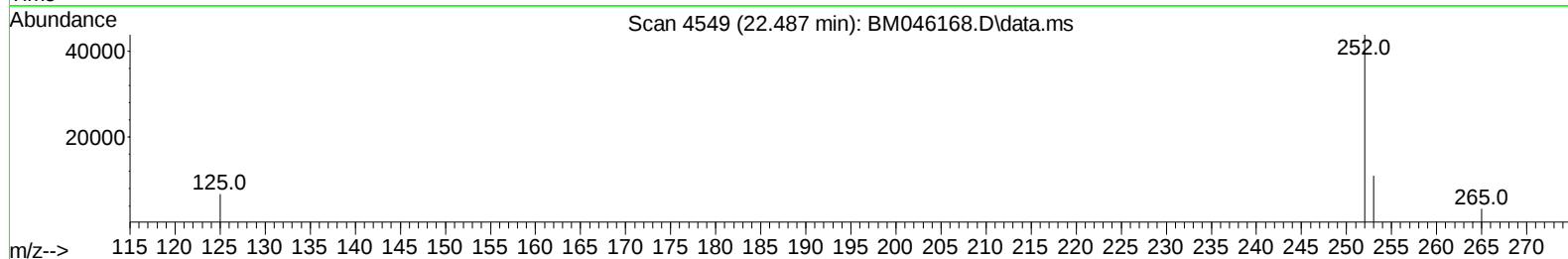
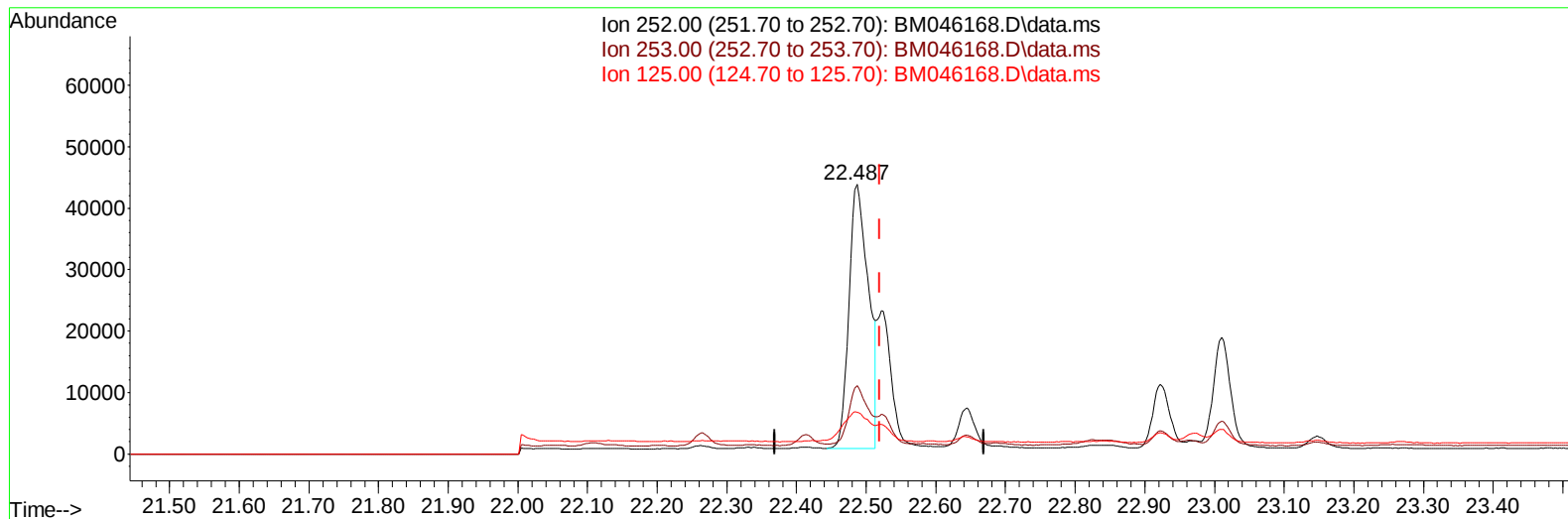
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046168.D
Acq On : 21 Jun 2024 20:06
Operator : MA/JU
Sample : P2754-18
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:54 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: BM046168.D\data.ms

(24) Benzo(b)fluoranthene

22.487min (-0.033) 3.01 ng/u1 m

response 84238

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	25.26
125.00	20.10	15.37
0.00	0.00	0.00

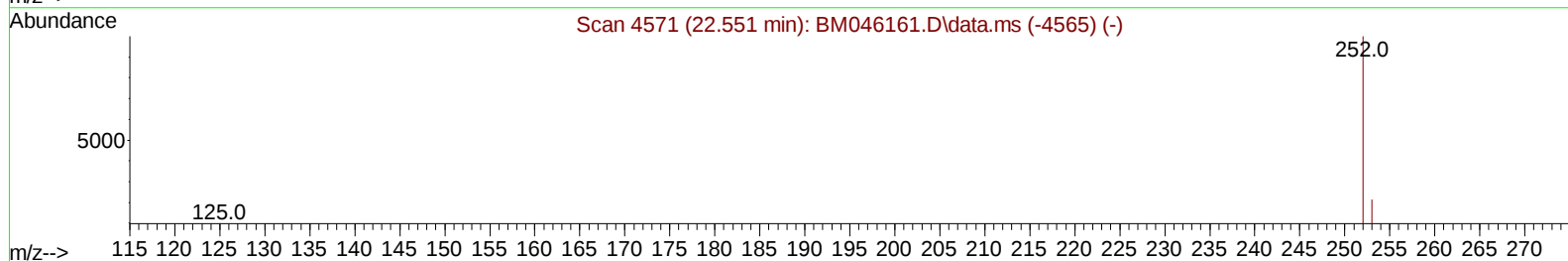
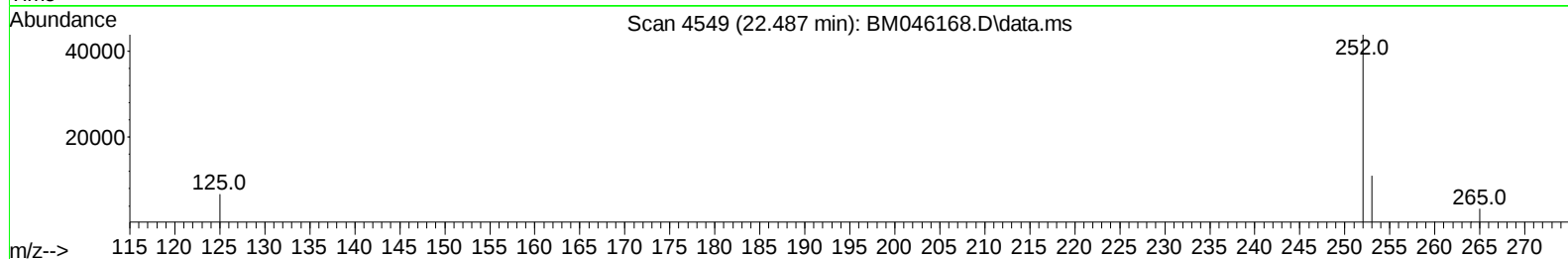
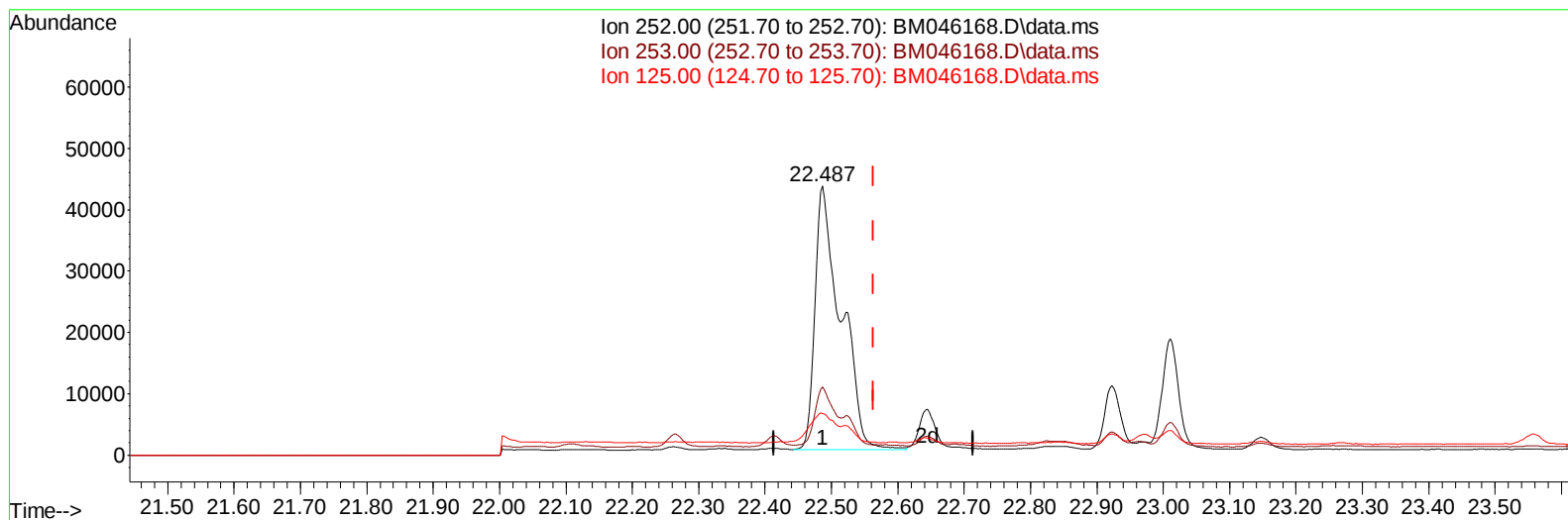
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046168.D
Acq On : 21 Jun 2024 20:06
Operator : MA/JU
Sample : P2754-18
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:54 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: BM046168.D\data.ms

(25) Benzo(k)fluoranthene

22.487min (-0.077) 3.51 ng/u1

response 116697

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	25.26#
125.00	20.80	15.37#
0.00	0.00	0.00

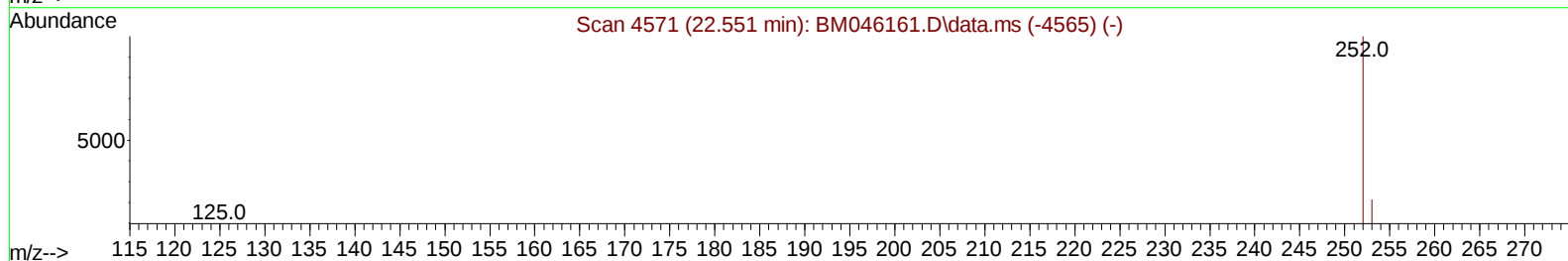
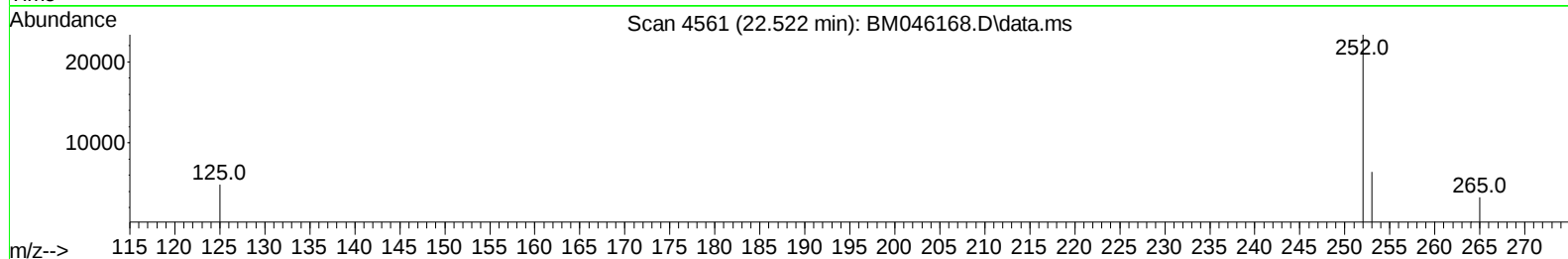
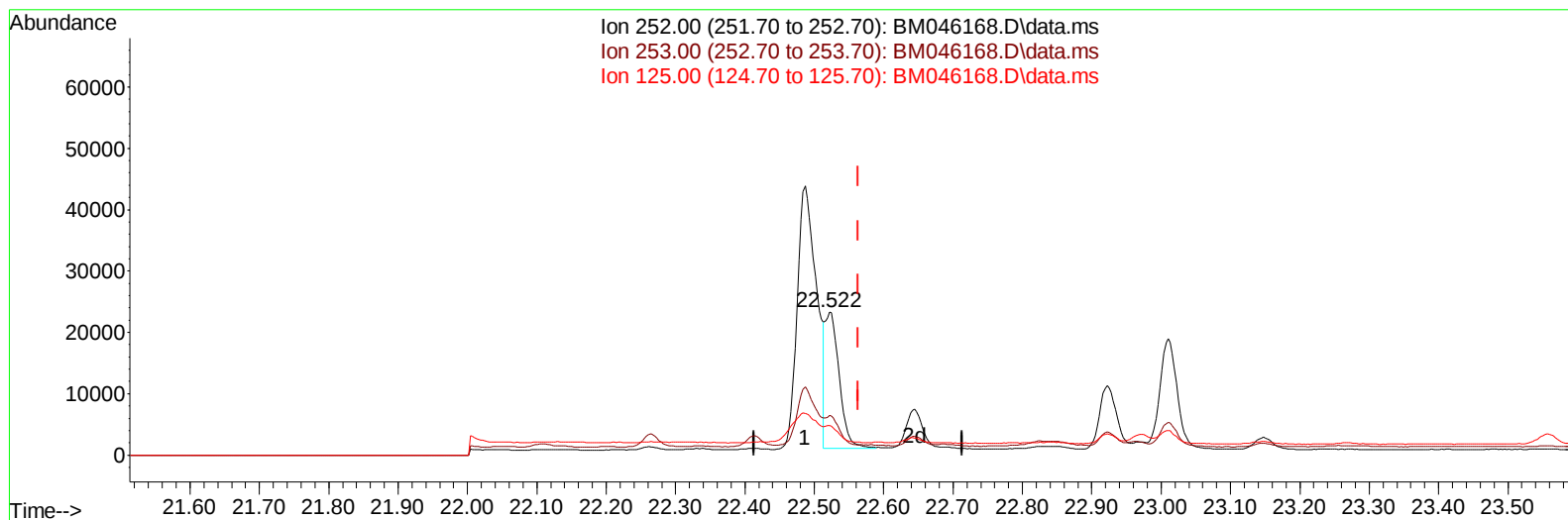
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046168.D
Acq On : 21 Jun 2024 20:06
Operator : MA/JU
Sample : P2754-18
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:54 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: BM046168.D\data.ms

(25) Benzo(k)fluoranthene

22.522min (-0.041) 0.94 ng/u1 m

response 31307

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	27.53
125.00	20.80	20.77
0.00	0.00	0.00

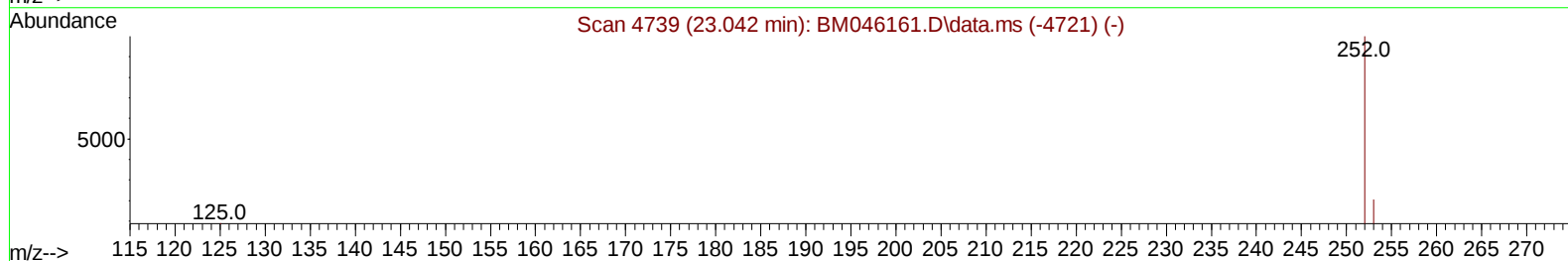
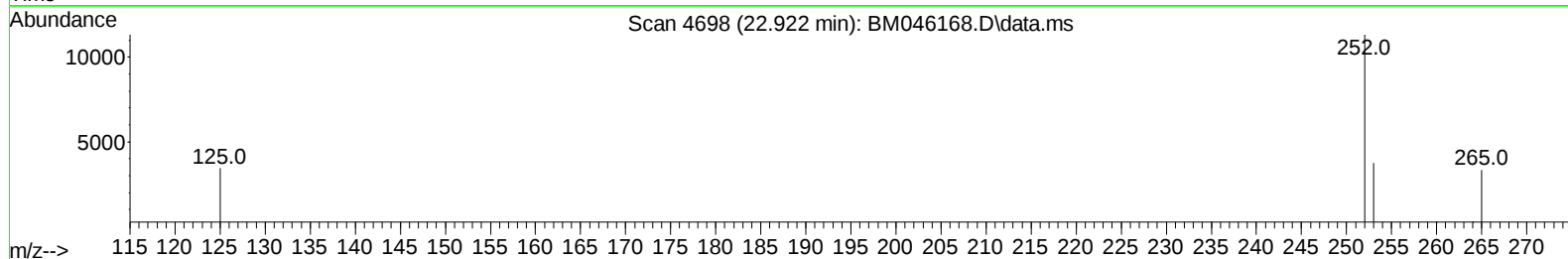
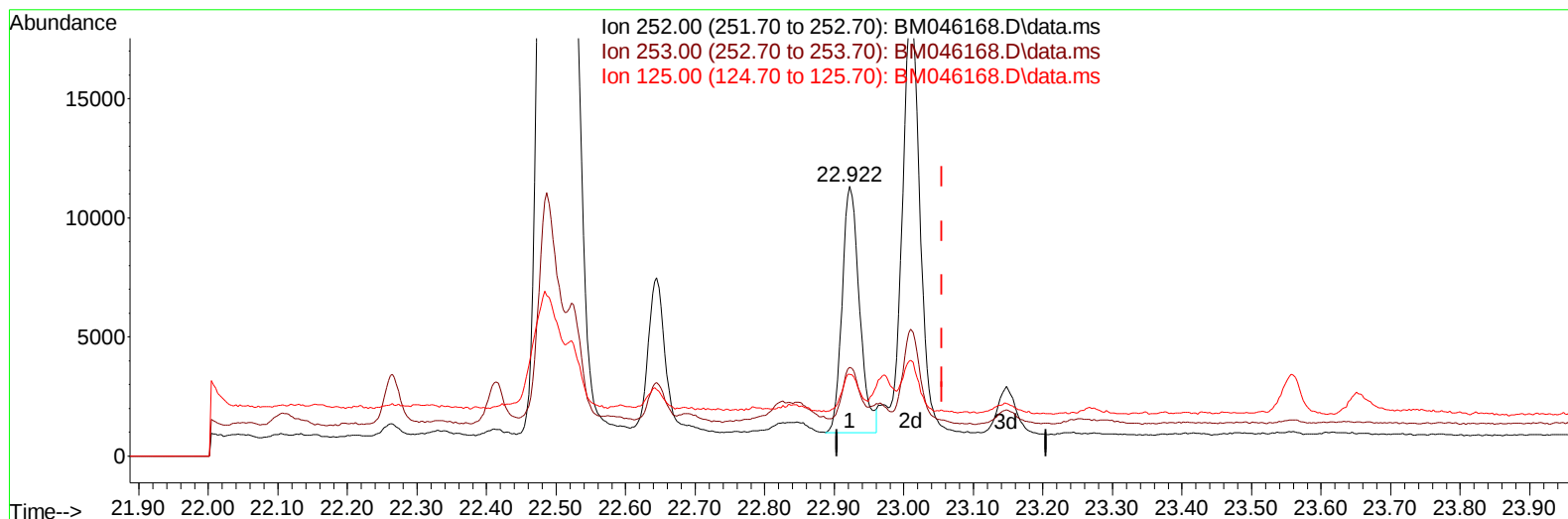
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046168.D
Acq On : 21 Jun 2024 20:06
Operator : MA/JU
Sample : P2754-18
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:54 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: BM046168.D\data.ms

(26) Benzo(a)pyrene (C)

22.922min (-0.132) 0.69 ng/u1

response 17986

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	40.10	32.98
125.00	26.50	30.38
0.00	0.00	0.00

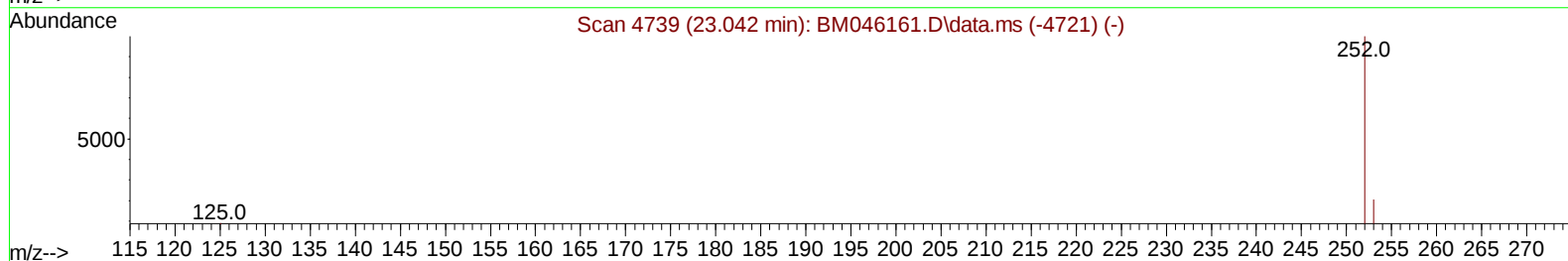
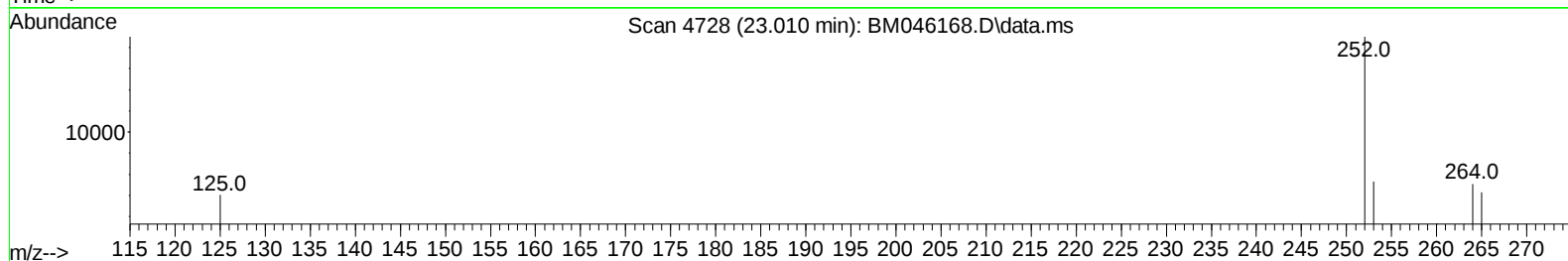
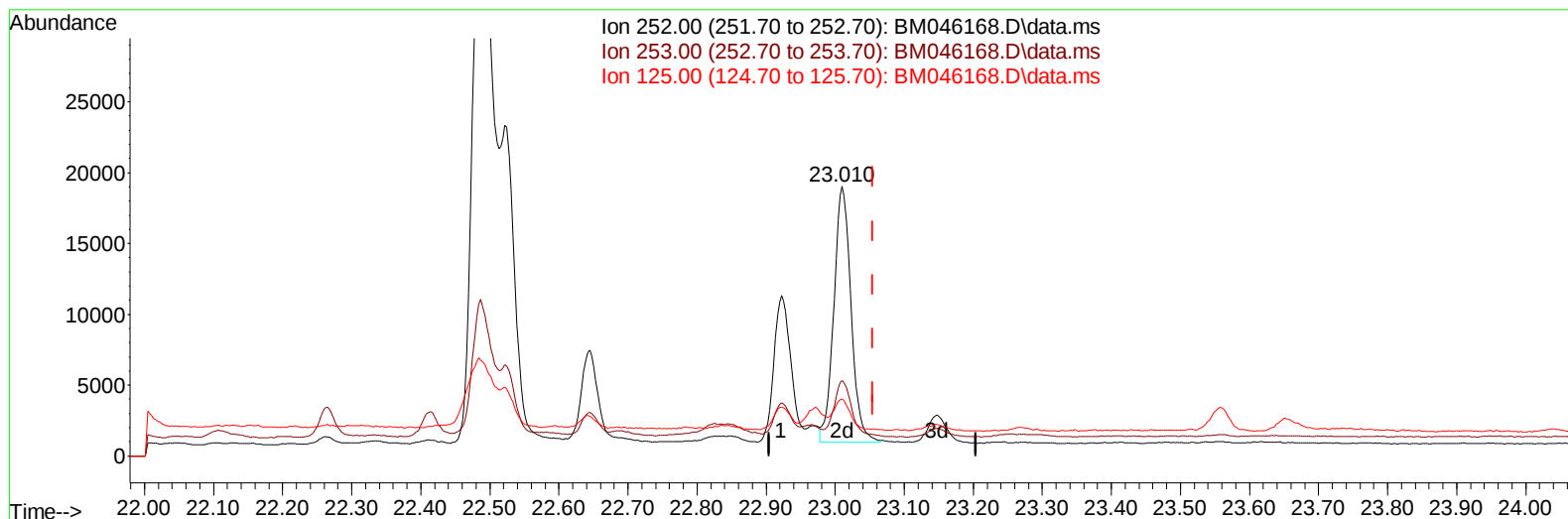
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046168.D
Acq On : 21 Jun 2024 20:06
Operator : MA/JU
Sample : P2754-18
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:54 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: BM046168.D\data.ms

(26) Benzo(a)pyrene (C)

23.010min (-0.044) 1.21 ng/u1 m

response 31411

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	40.10	28.03#
125.00	26.50	21.17#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046168.D
 Acq On : 21 Jun 2024 20:06
 Operator : MA/JU
 Sample : P2754-18
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BQ4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:54 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

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.417	152		2573	0.400	ng/ul	-0.05
4) Naphthalene-d8	10.189	136		7479	0.400	ng/ul	-0.06
9) Acenaphthene-d10	14.067	164		4101	0.400	ng/ul	-0.05
13) Phenanthrene-d10	16.808	188		8732m	0.400	ng/ul	-0.05
17) Chrysene-d12	21.011	240		6925m	0.400	ng/ul	-0.03
23) Perylene-d12	23.104	264		7768m	0.400	ng/ul	-0.04
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.029	96		14048	3.979	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	11.805	152		3102	0.309	ng/ul	-0.06
18) Fluoranthene-d10	18.844	212		7056	0.340	ng/ul	-0.04
Target Compounds							
							Qvalue
5) Naphthalene	10.238	128		2599	0.125	ng/ul#	95
7) 2-Methylnaphthalene	11.882	142		822	0.070	ng/ul	96
8) 1-Methylnaphthalene	12.102	142		724	0.056	ng/ul	99
10) Acenaphthylene	13.785	152		3588	0.184	ng/ul#	93
11) Acenaphthene	14.127	153		3274	0.233	ng/ul	97
12) Fluorene	15.122	166		3770	0.250	ng/ul	99
15) Phenanthrene	16.850	178		68470m	2.791	ng/ul	
16) Anthracene	16.943	178		12550m	0.687	ng/ul	
19) Fluoranthene	18.872	202		131441	4.384	ng/ul	97
20) Pyrene	19.234	202		92572	2.855	ng/ul	97
21) Benzo(a)anthracene	20.994	228		56970	2.130	ng/ul	98
22) Chrysene	21.046	228		58912	1.726	ng/ul	98
24) Benzo(b)fluoranthene	22.487	252		84238m	3.010	ng/ul	
25) Benzo(k)fluoranthene	22.522	252		31307m	0.941	ng/ul	
26) Benzo(a)pyrene	23.010	252		31411m	1.211	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.148	276		32410	0.764	ng/ul#	90
28) Dibenzo(a,h)anthracene	25.152	278		10310	0.326	ng/ul#	87
29) Benzo(g,h,i)perylene	25.772	276		5047	0.139	ng/ul#	72

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046168.D
Acq On : 21 Jun 2024 20:06
Operator : MA/JU
Sample : P2754-18
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BQ4

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:27:54 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

