

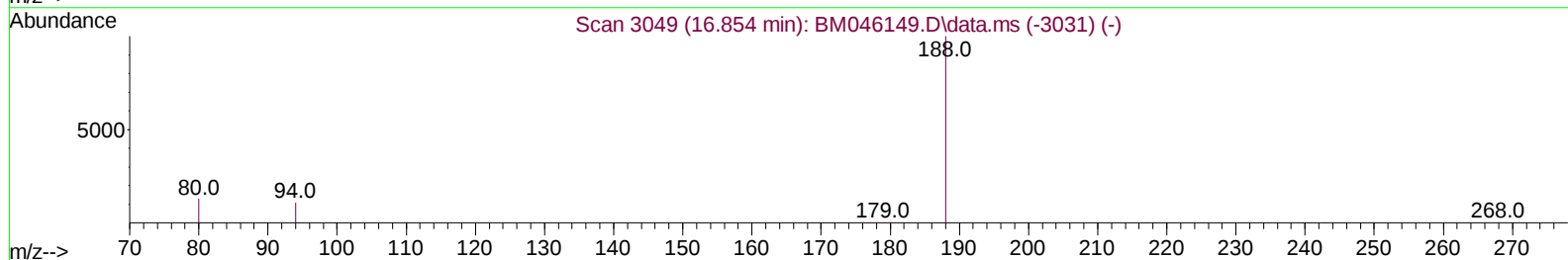
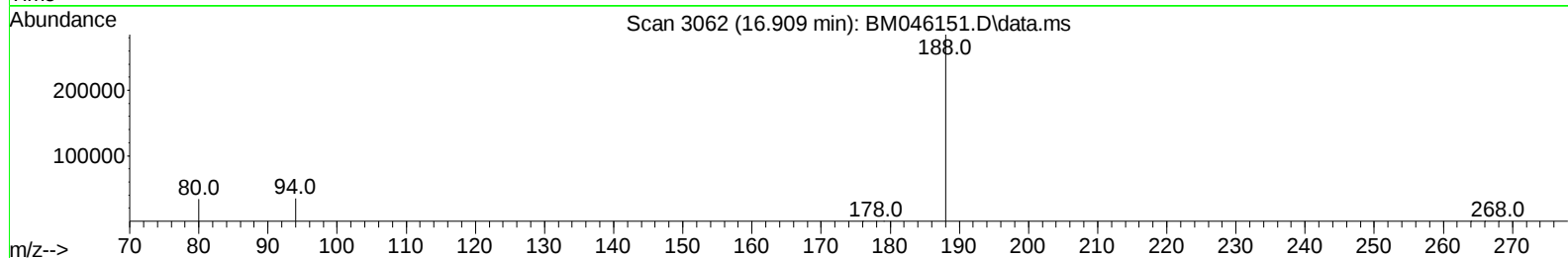
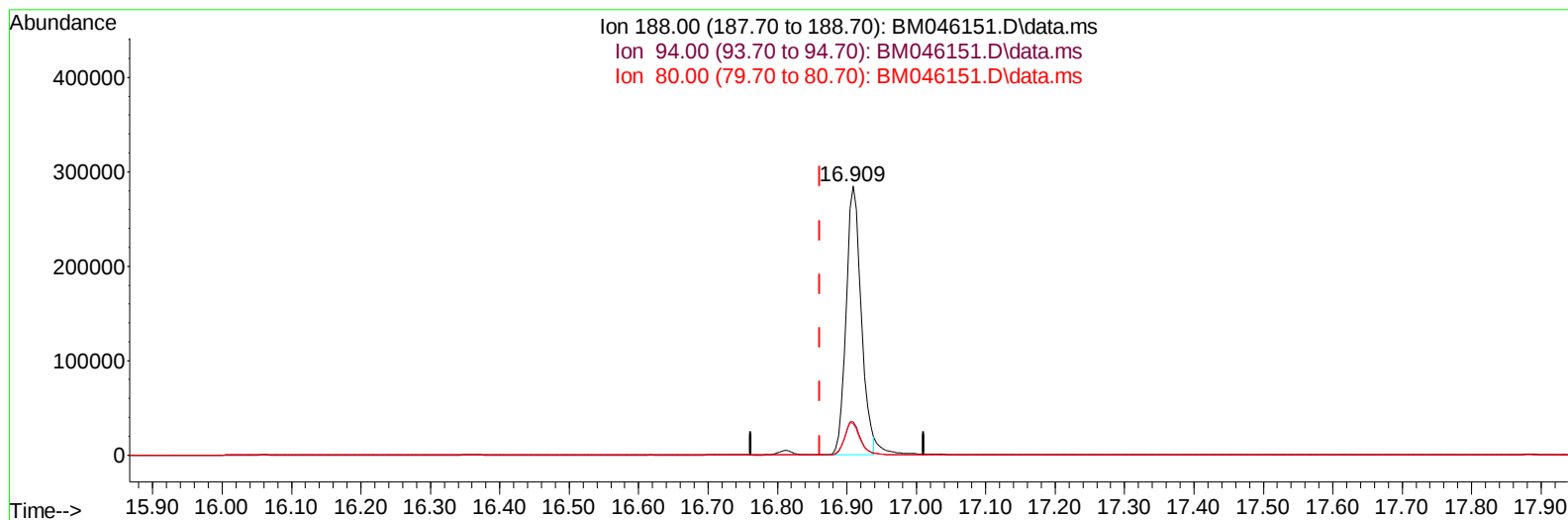
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046151.D
Acq On : 21 Jun 2024 09:39
Operator : MA/JU
Sample : P2754-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP2

Manual IntegrationsAPPROVED

Quant Time: Jun 21 10:53:57 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: BM046151.D\data.ms

(13) Phenanthrene-d10 (I)

16.909min (+ 0.048) 0.40 ng/u1

response 428562

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.33
80.00	15.20	11.78#
0.00	0.00	0.00

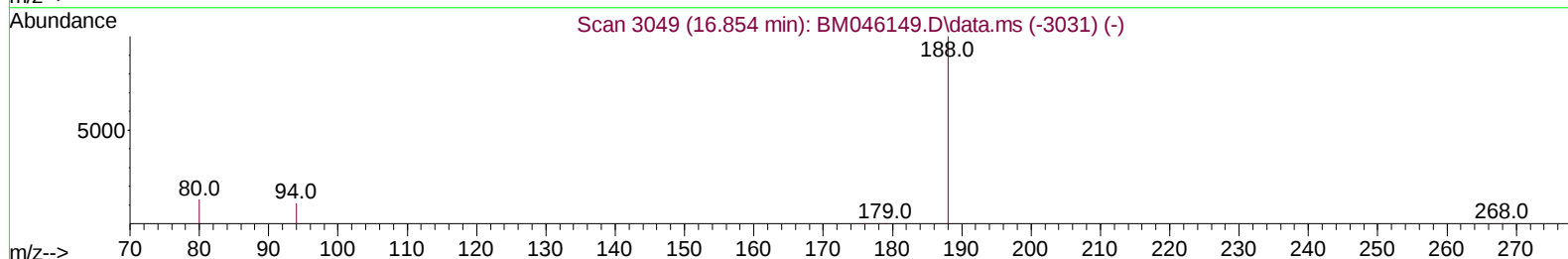
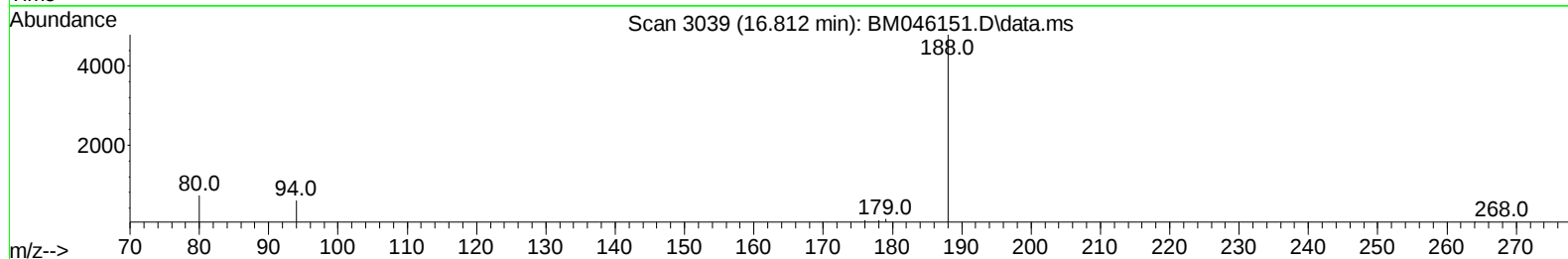
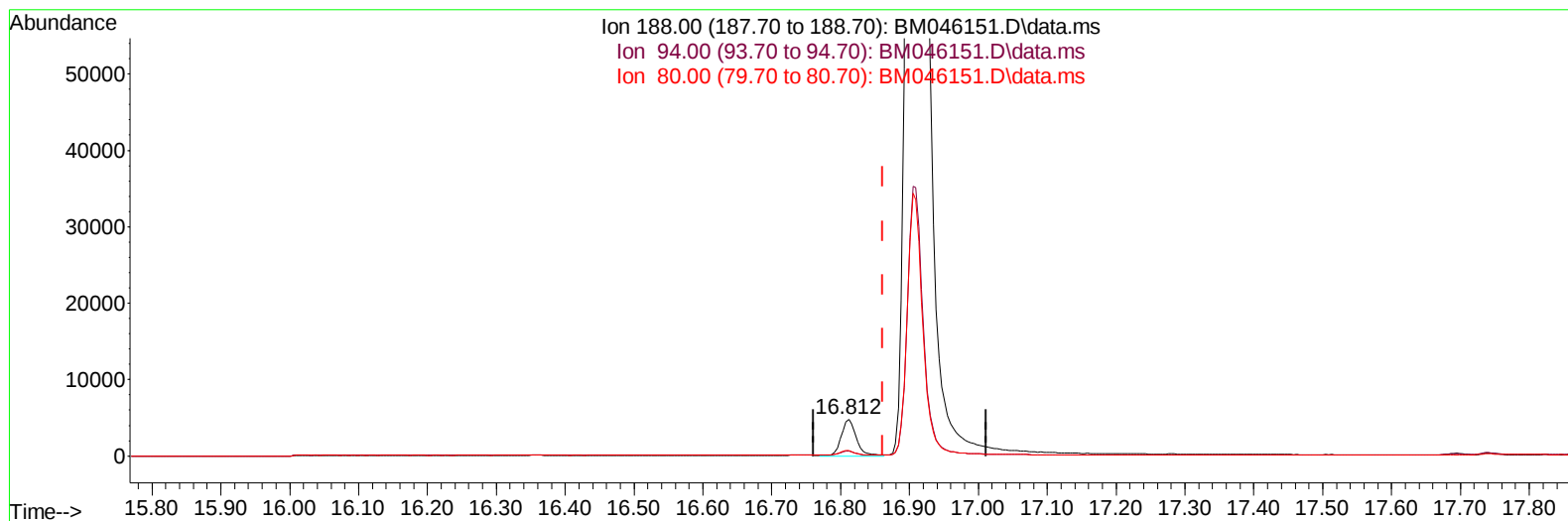
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046151.D
Acq On : 21 Jun 2024 09:39
Operator : MA/JU
Sample : P2754-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP2

Manual IntegrationsAPPROVED

Quant Time: Jun 21 10:53:57 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: BM046151.D\data.ms

(13) Phenanthrene-d10 (I)

16.812min (-0.049) 0.40 ng/u1 m

response 7328

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.60
80.00	15.20	15.16
0.00	0.00	0.00

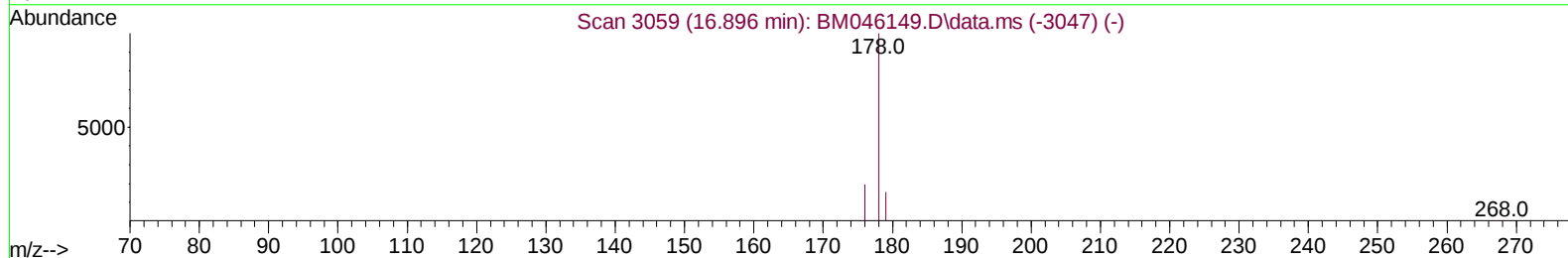
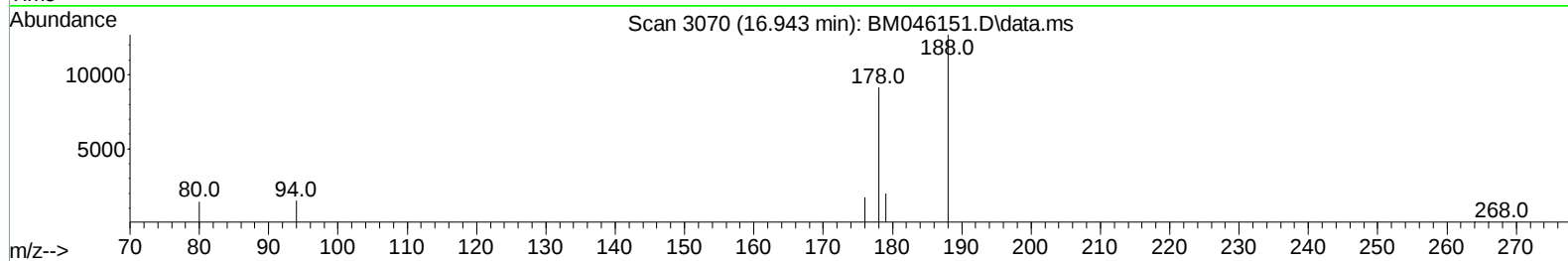
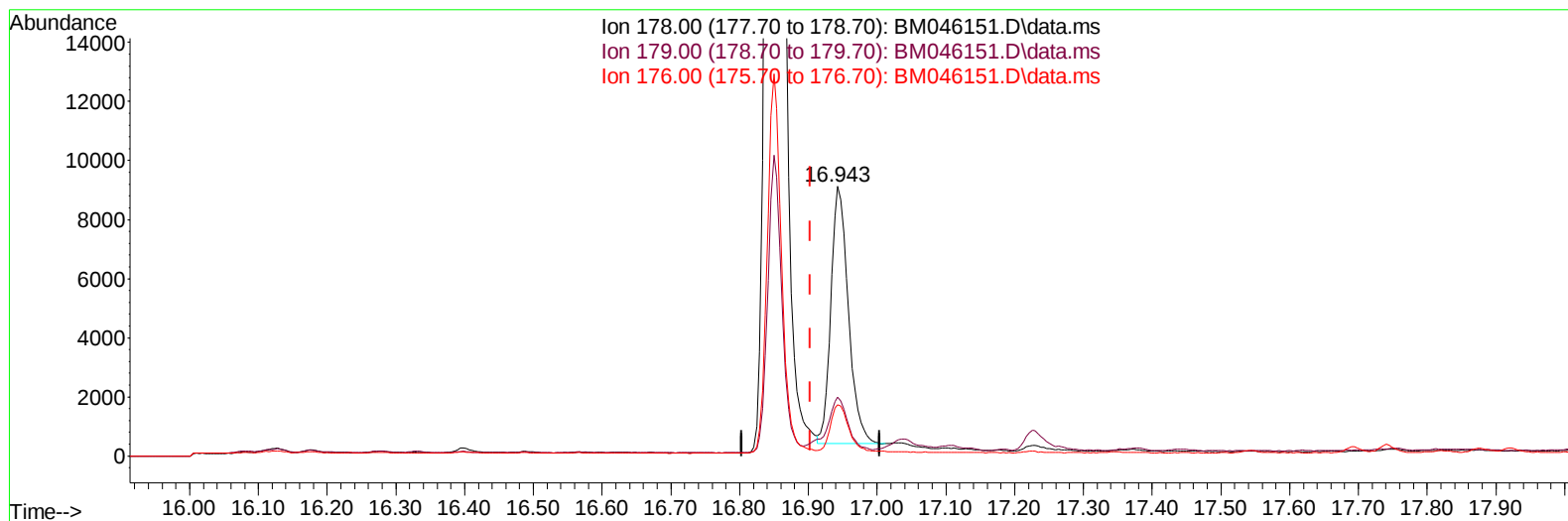
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046151.D
Acq On : 21 Jun 2024 09:39
Operator : MA/JU
Sample : P2754-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP2

Manual IntegrationsAPPROVED

Quant Time: Jun 21 10:53:57 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: BM046151.D\data.ms

(15) Phenanthrene

16.943min (+ 0.039) 0.74 ng/u1

response 15336

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	21.73#
176.00	21.40	19.10
0.00	0.00	0.00

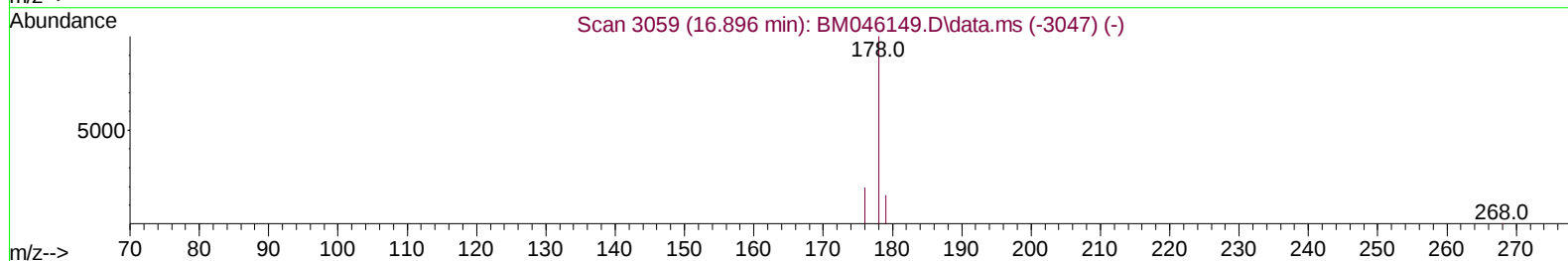
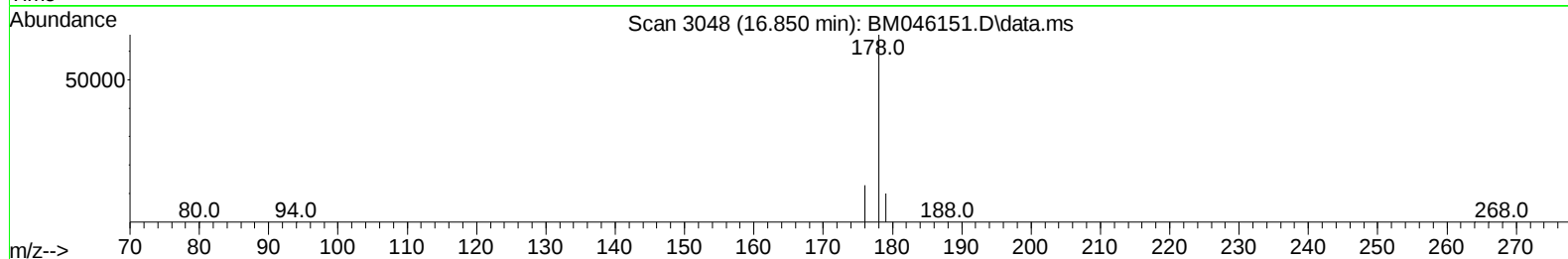
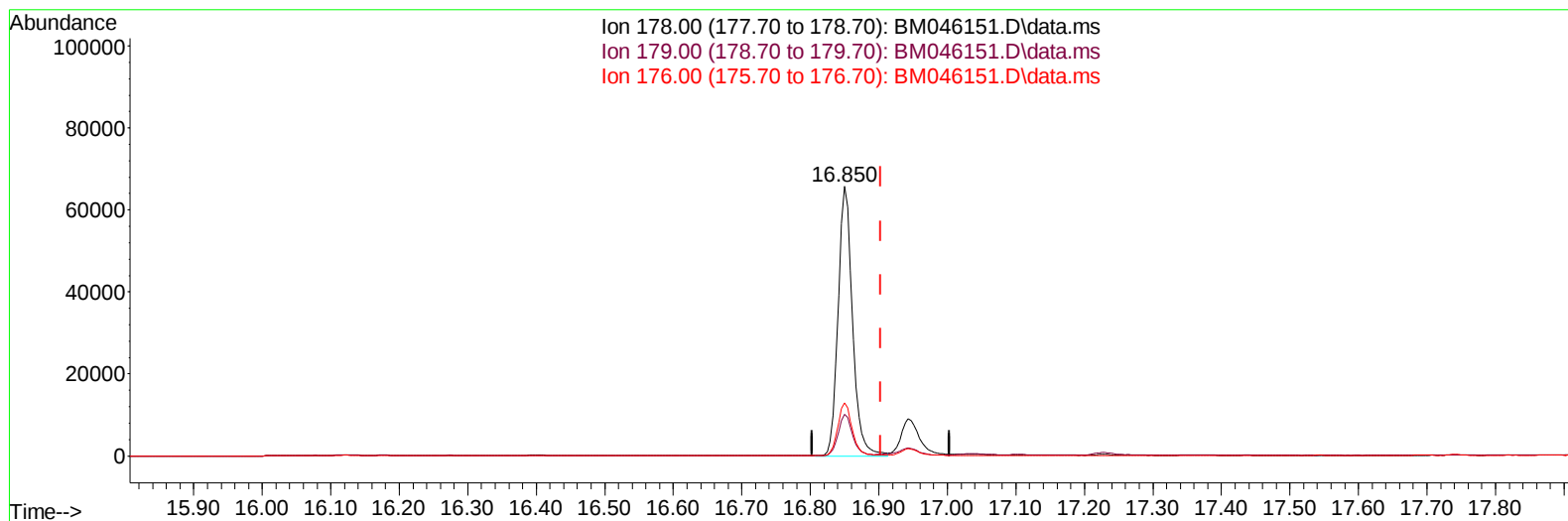
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046151.D
Acq On : 21 Jun 2024 09:39
Operator : MA/JU
Sample : P2754-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP2

Manual IntegrationsAPPROVED

Quant Time: Jun 21 10:53:57 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: BM046151.D\data.ms

(15) Phenanthrene

16.850min (-0.054) 4.64 ng/u1 m

response 95580

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.49
176.00	21.40	19.69
0.00	0.00	0.00

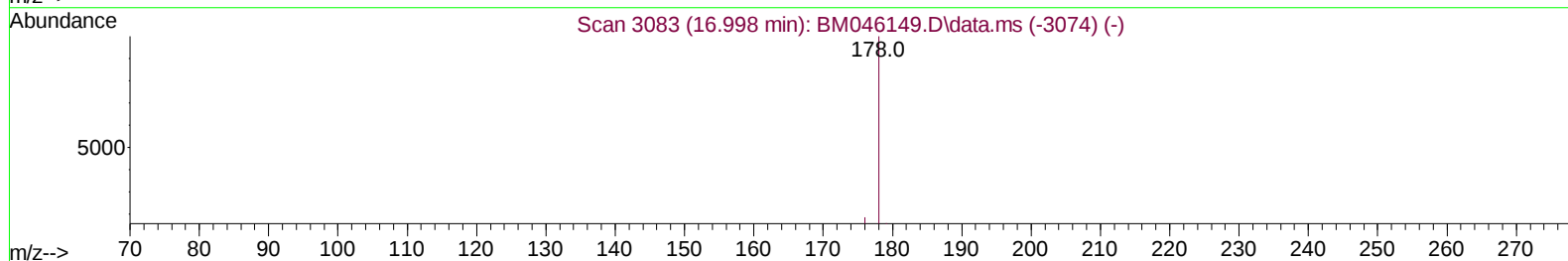
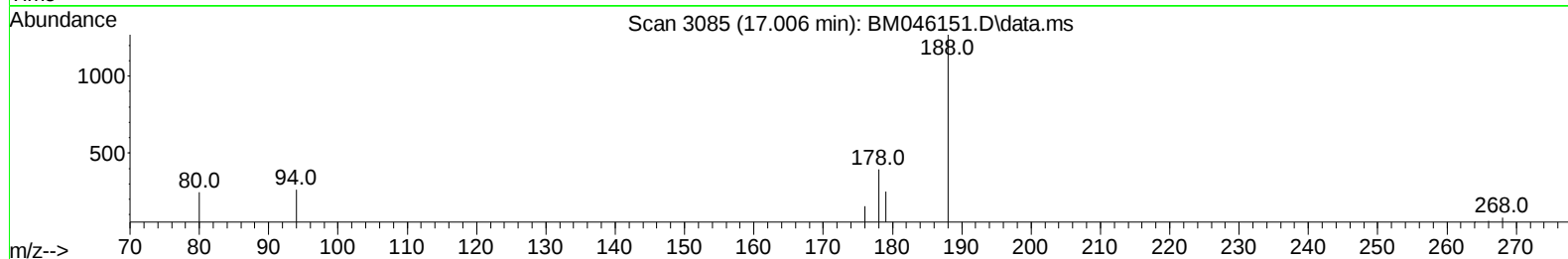
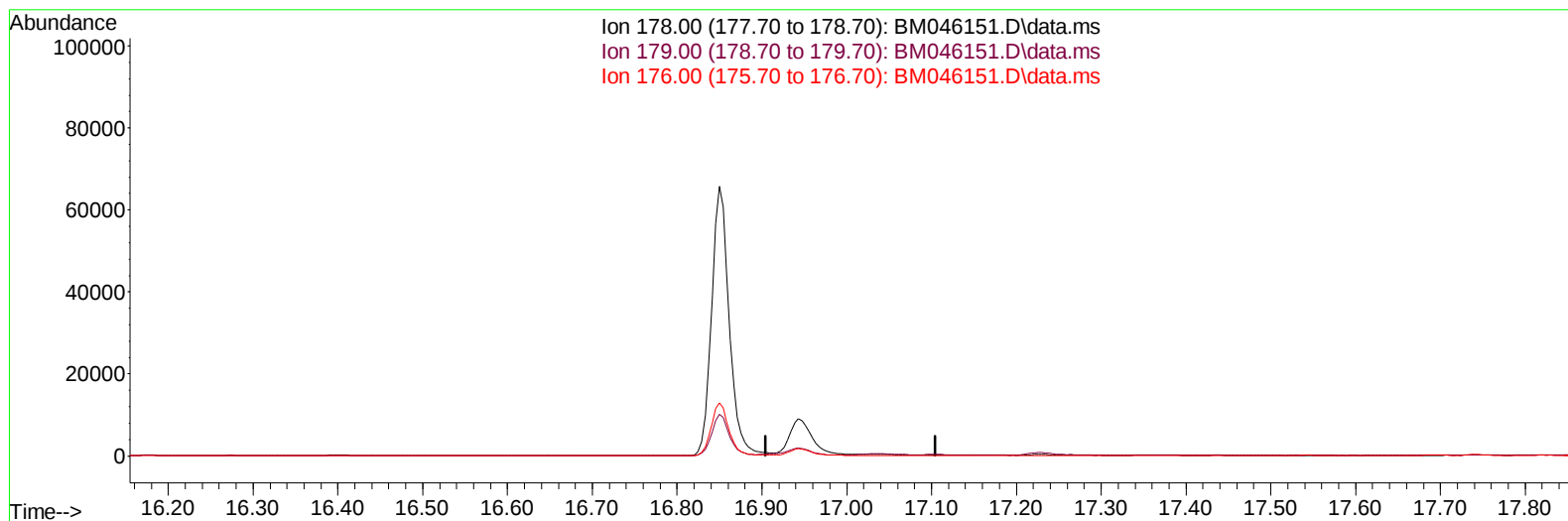
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046151.D
Acq On : 21 Jun 2024 09:39
Operator : MA/JU
Sample : P2754-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP2

Manual IntegrationsAPPROVED

Quant Time: Jun 21 10:53:57 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: BM046151.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

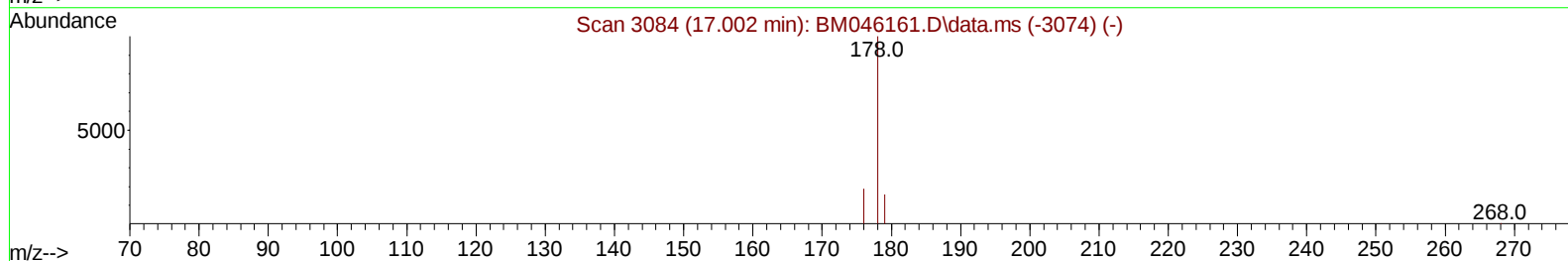
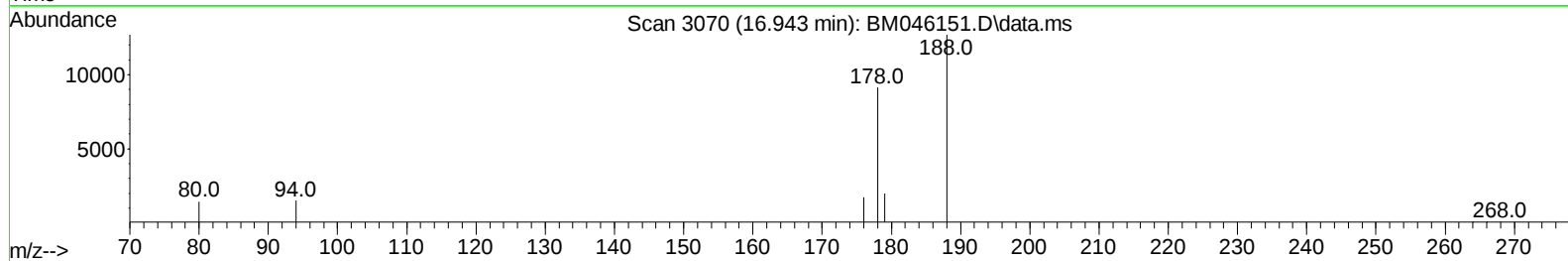
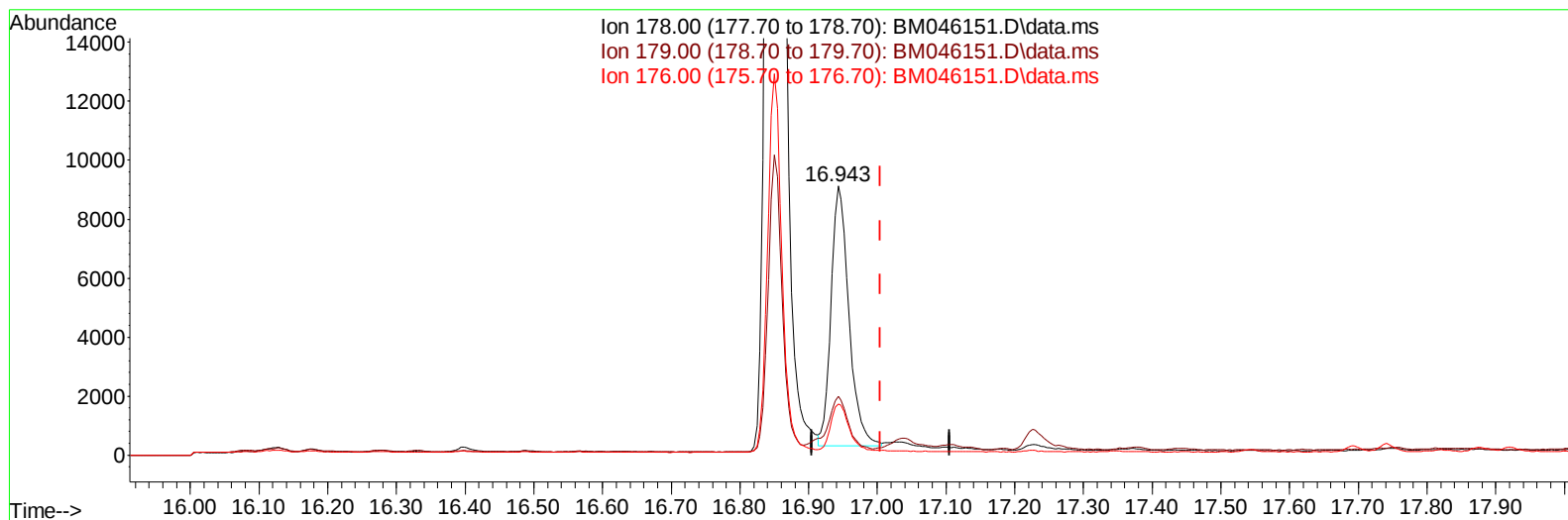
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046151.D
Acq On : 21 Jun 2024 09:39
Operator : MA/JU
Sample : P2754-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP2

Manual IntegrationsAPPROVED

Quant Time: Jun 21 10:53:57 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: BM046151.D\data.ms

(16) Anthracene

16.943min (-0.062) 1.04 ng/u1 m

response 15913

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	21.73
176.00	21.20	19.10
0.00	0.00	0.00

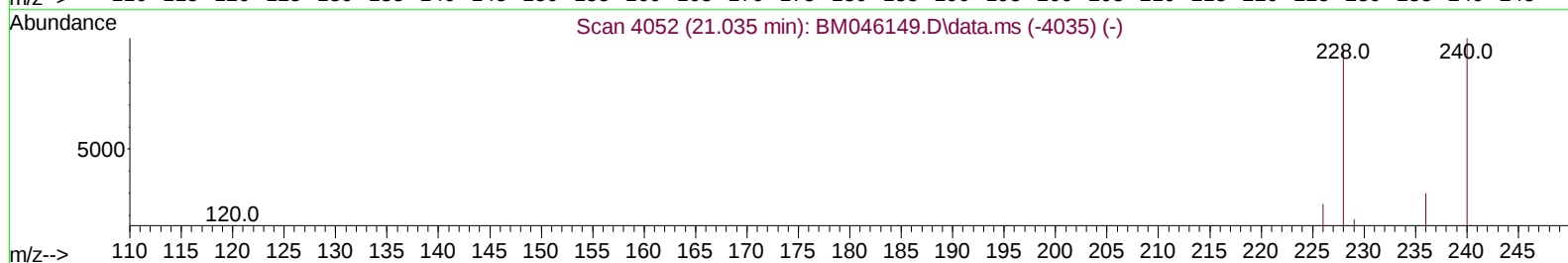
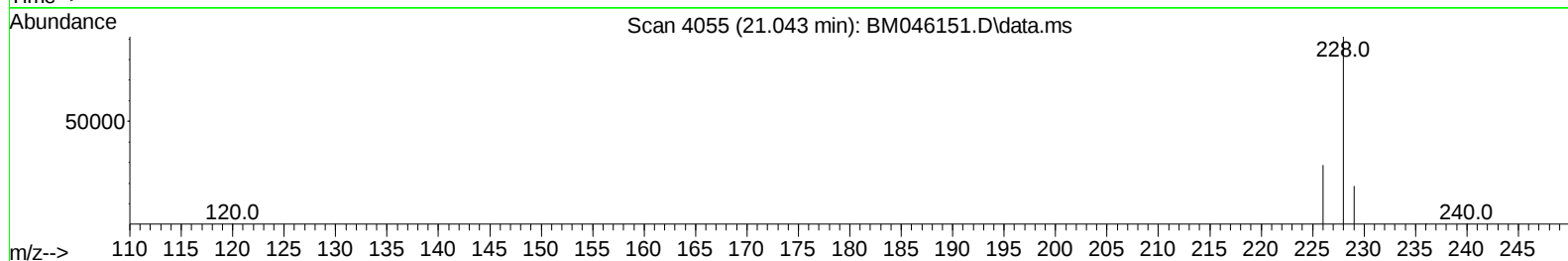
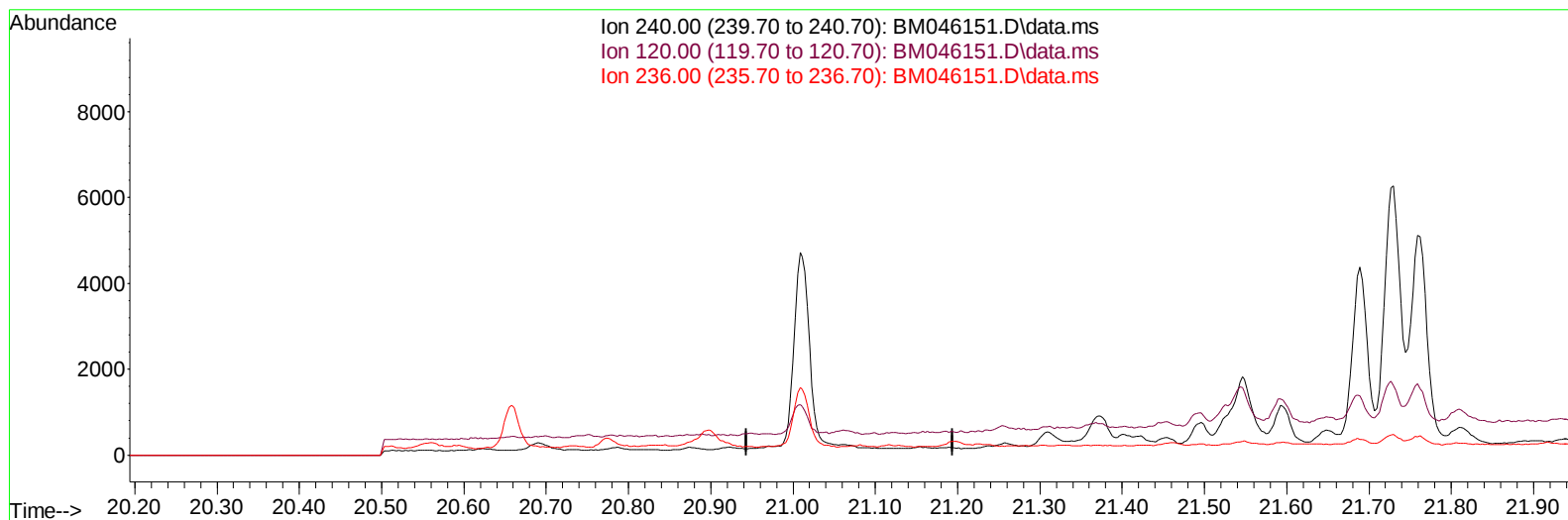
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046151.D
Acq On : 21 Jun 2024 09:39
Operator : MA/JU
Sample : P2754-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP2

Manual IntegrationsAPPROVED

Quant Time: Jun 21 10:53:57 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: BM046151.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

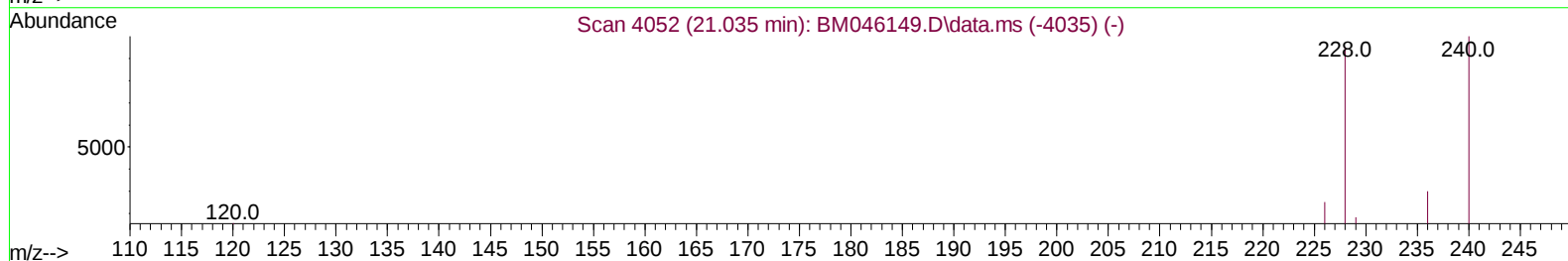
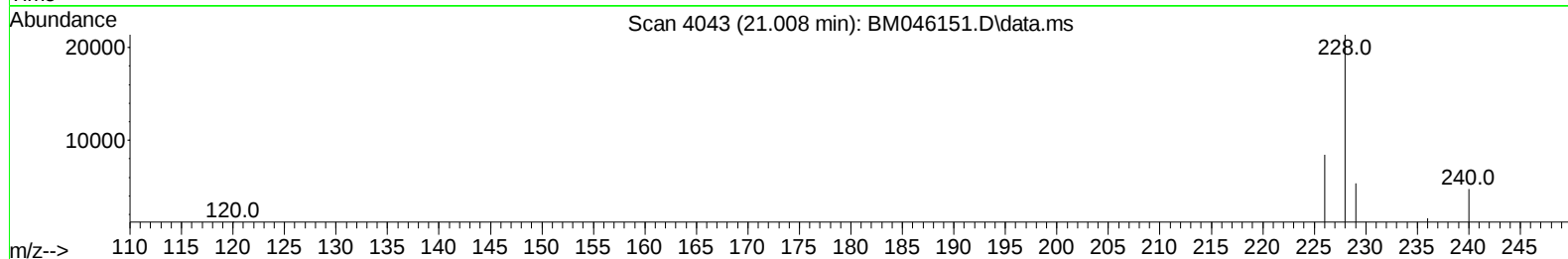
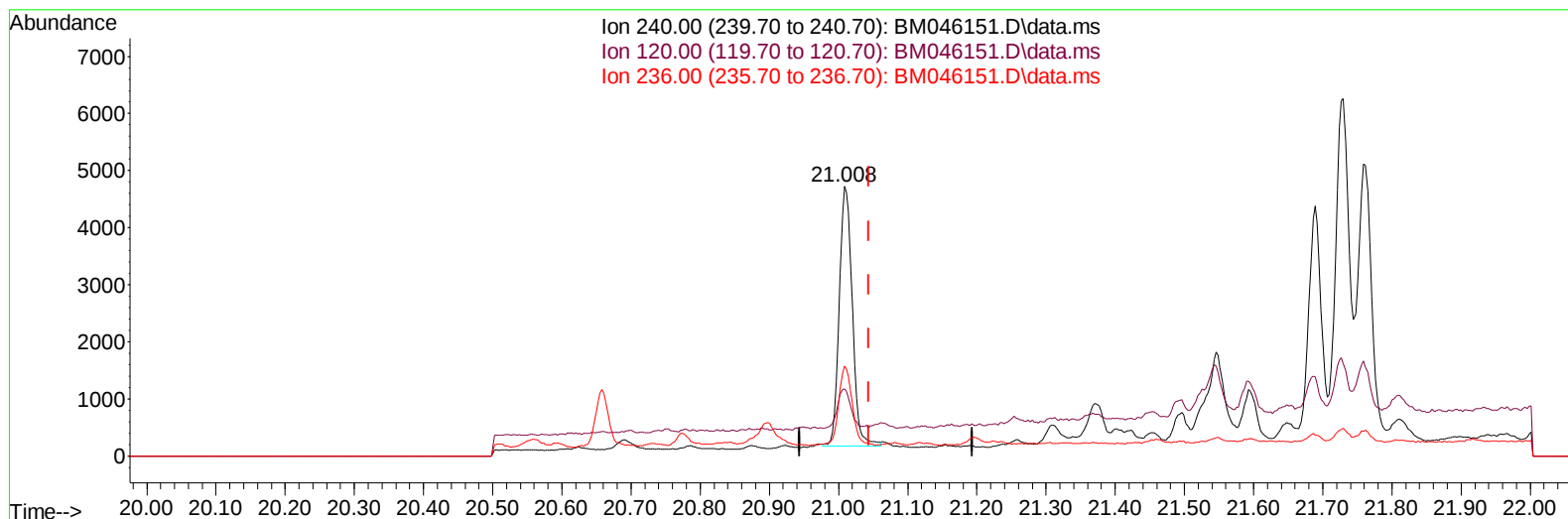
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046151.D
Acq On : 21 Jun 2024 09:39
Operator : MA/JU
Sample : P2754-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP2

Manual IntegrationsAPPROVED

Quant Time: Jun 21 10:53:57 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: BM046151.D\data.ms

(17) Chrysene-d12

21.008min (-0.036) 0.40 ng/u1 m

response 5925

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	24.89
236.00	33.60	33.28
0.00	0.00	0.00

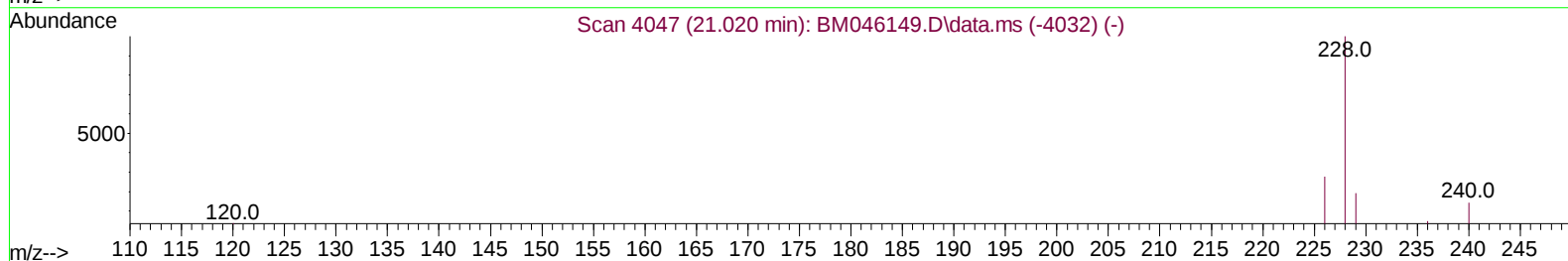
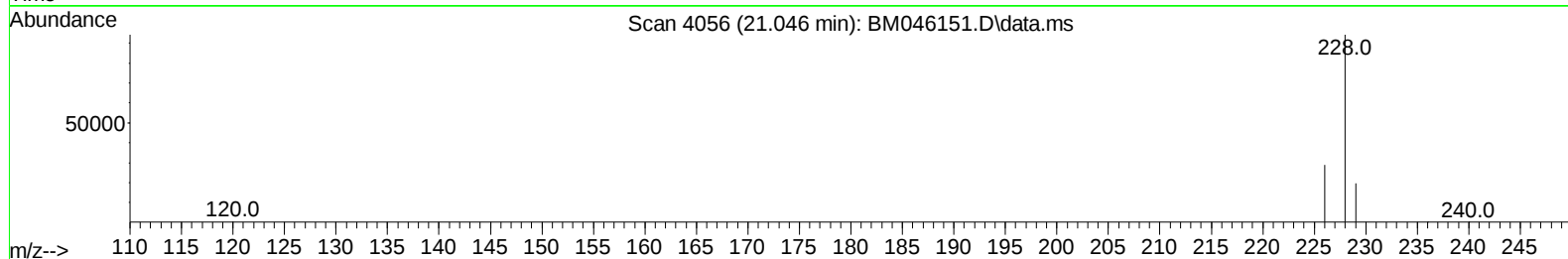
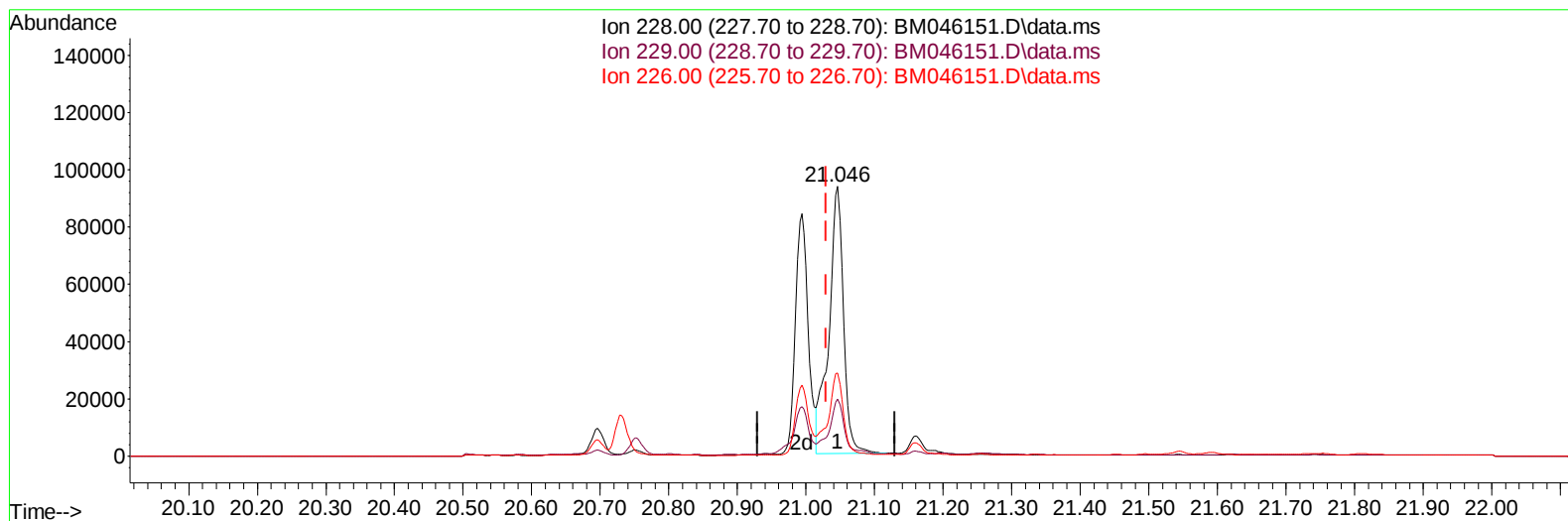
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046151.D
Acq On : 21 Jun 2024 09:39
Operator : MA/JU
Sample : P2754-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP2

Manual IntegrationsAPPROVED

Quant Time: Jun 21 10:53:57 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: BM046151.D\data.ms

(21) Benzo(a)anthracene

21.046min (+ 0.017) 6.07 ng/u1

response 138831

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.50	21.03
226.00	29.30	30.82
0.00	0.00	0.00

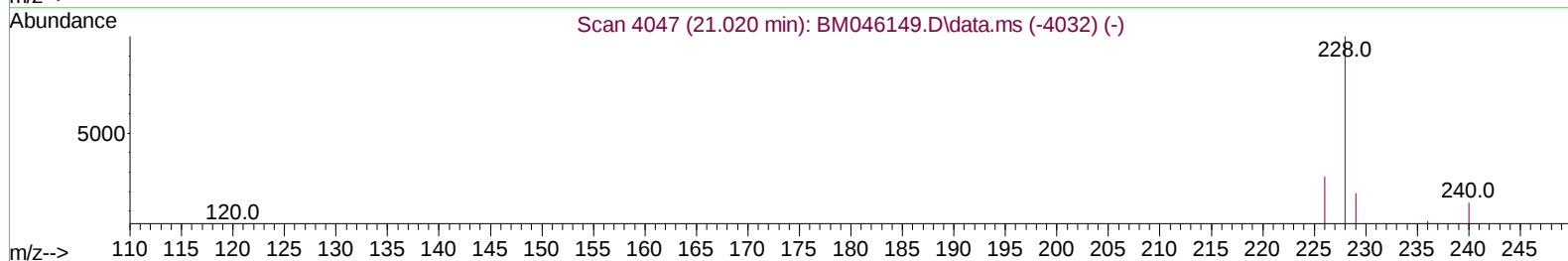
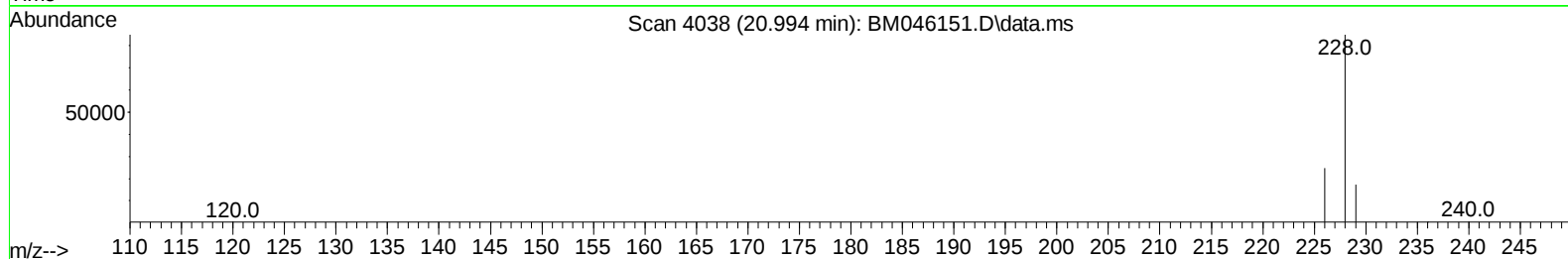
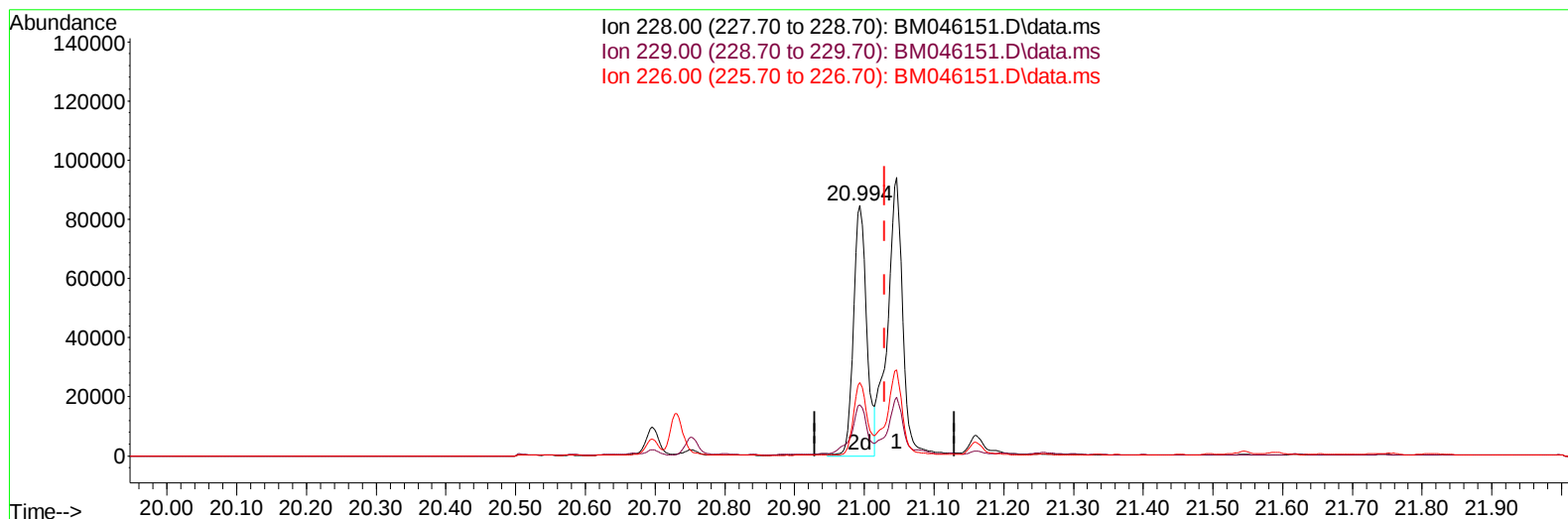
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046151.D
Acq On : 21 Jun 2024 09:39
Operator : MA/JU
Sample : P2754-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP2

Manual IntegrationsAPPROVED

Quant Time: Jun 21 10:53:57 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: BM046151.D\data.ms

(21) Benzo(a)anthracene

20.994min (-0.035) 4.88 ng/u1 m

response 111749

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.50	20.47
226.00	29.30	29.21
0.00	0.00	0.00

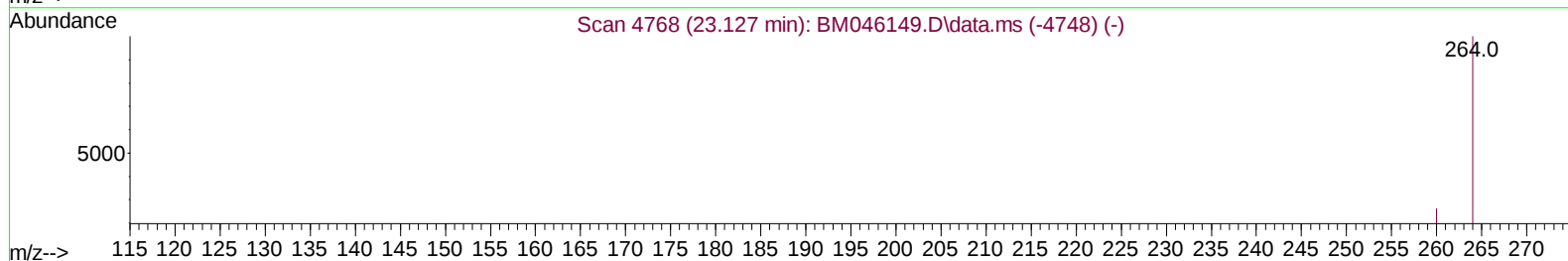
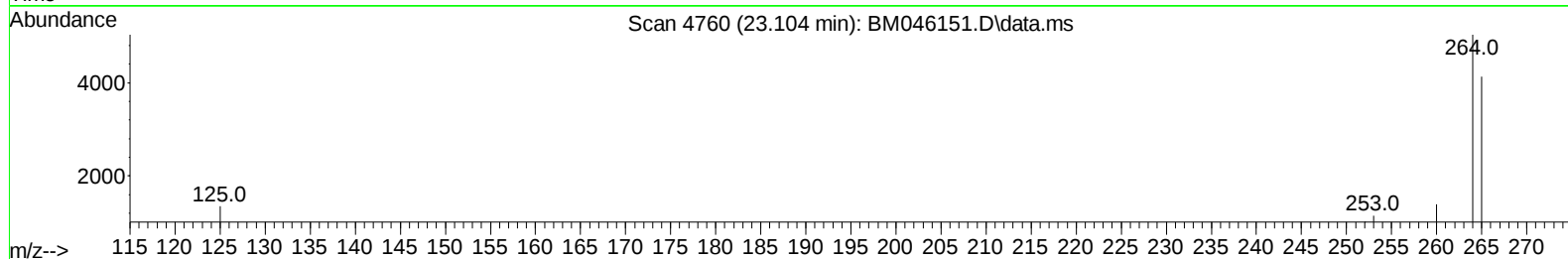
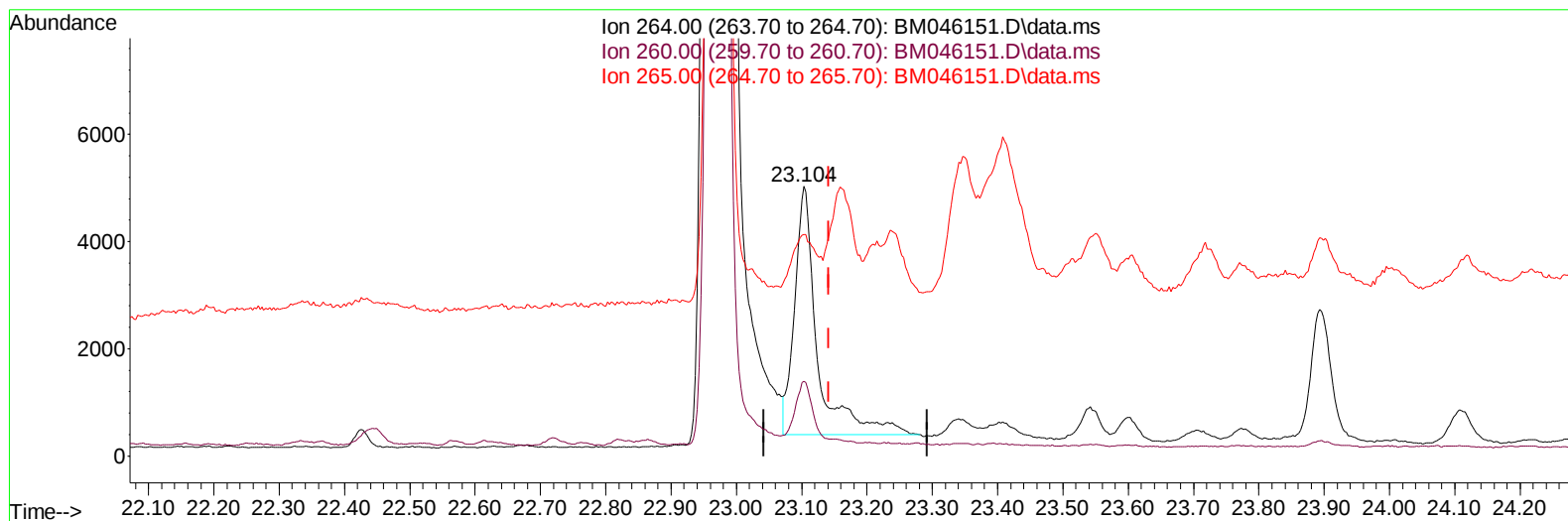
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046151.D
Acq On : 21 Jun 2024 09:39
Operator : MA/JU
Sample : P2754-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP2

Manual IntegrationsAPPROVED

Quant Time: Jun 21 10:53:57 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: BM046151.D\data.ms

(23) Perylene-d12 (I)

23.104min (-0.038) 0.40 ng/u1

response 11286

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.74
265.00	110.60	82.14#
0.00	0.00	0.00

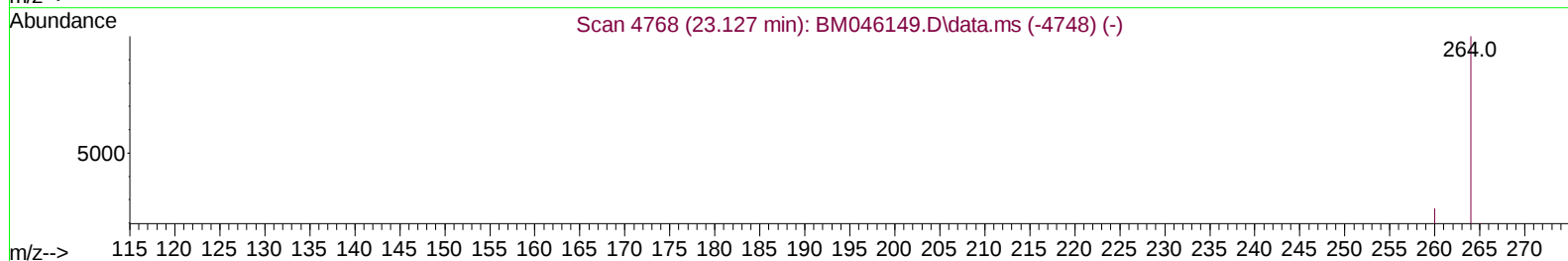
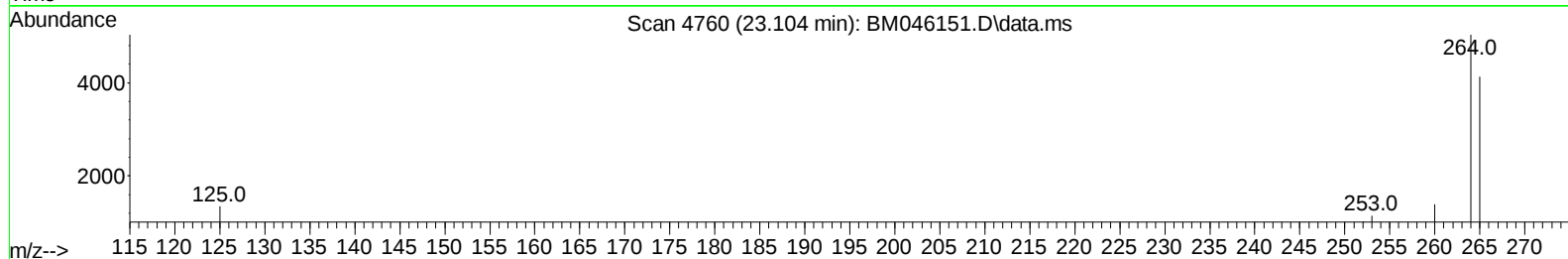
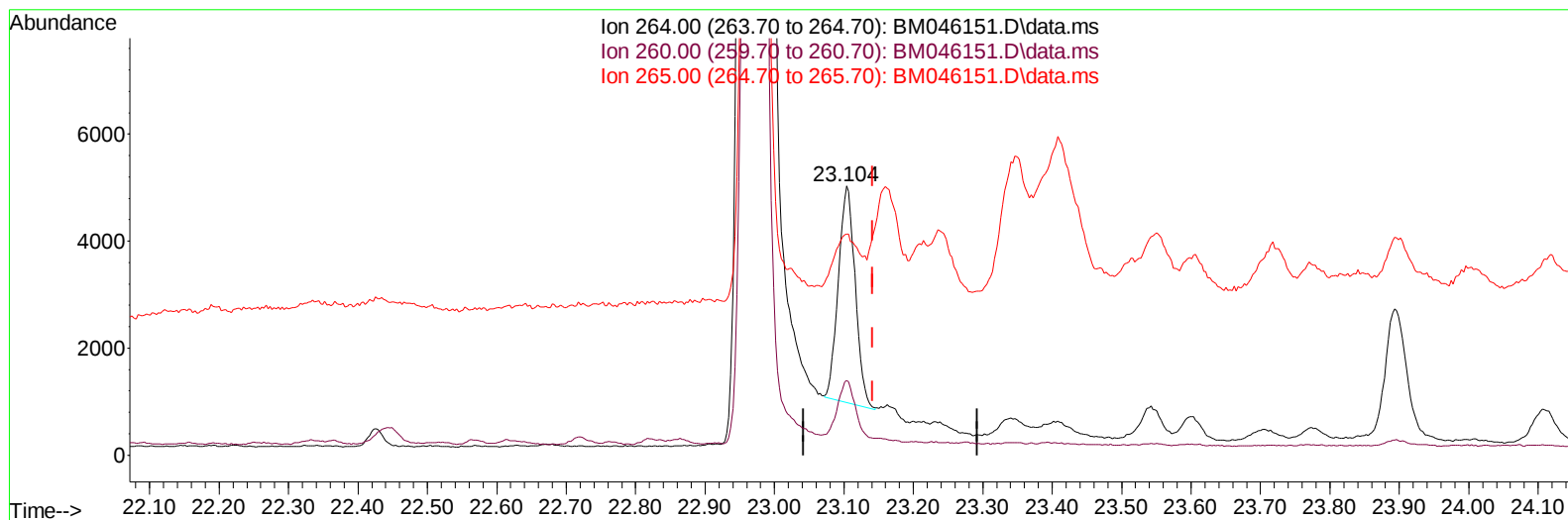
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046151.D
Acq On : 21 Jun 2024 09:39
Operator : MA/JU
Sample : P2754-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP2

Manual IntegrationsAPPROVED

Quant Time: Jun 21 10:53:57 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: BM046151.D\data.ms

(23) Perylene-d12 (I)

23.104min (-0.038) 0.40 ng/u1 m

response 6811

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.74
265.00	110.60	82.14#
0.00	0.00	0.00

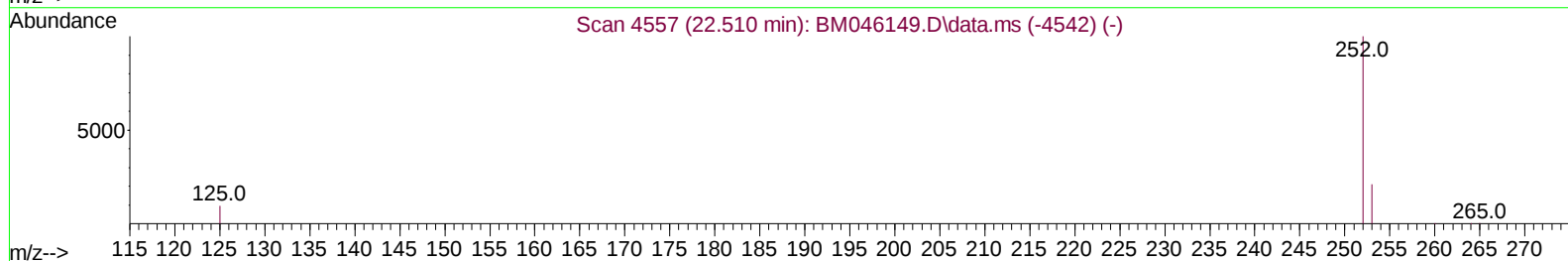
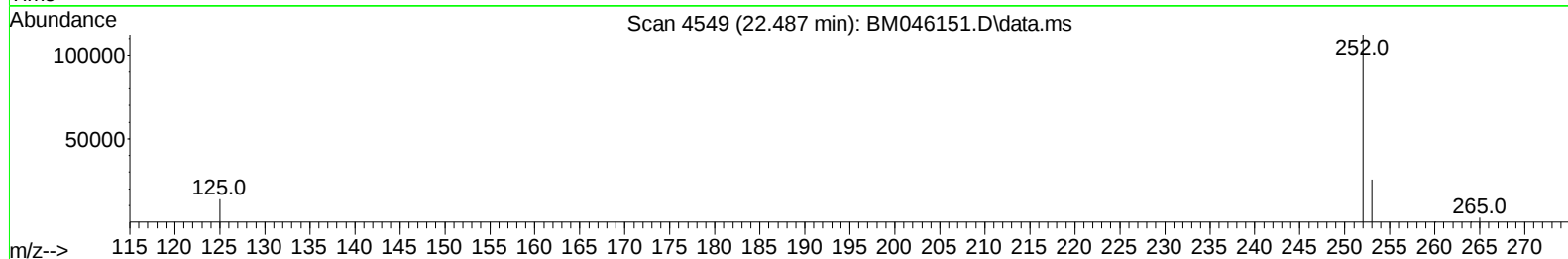
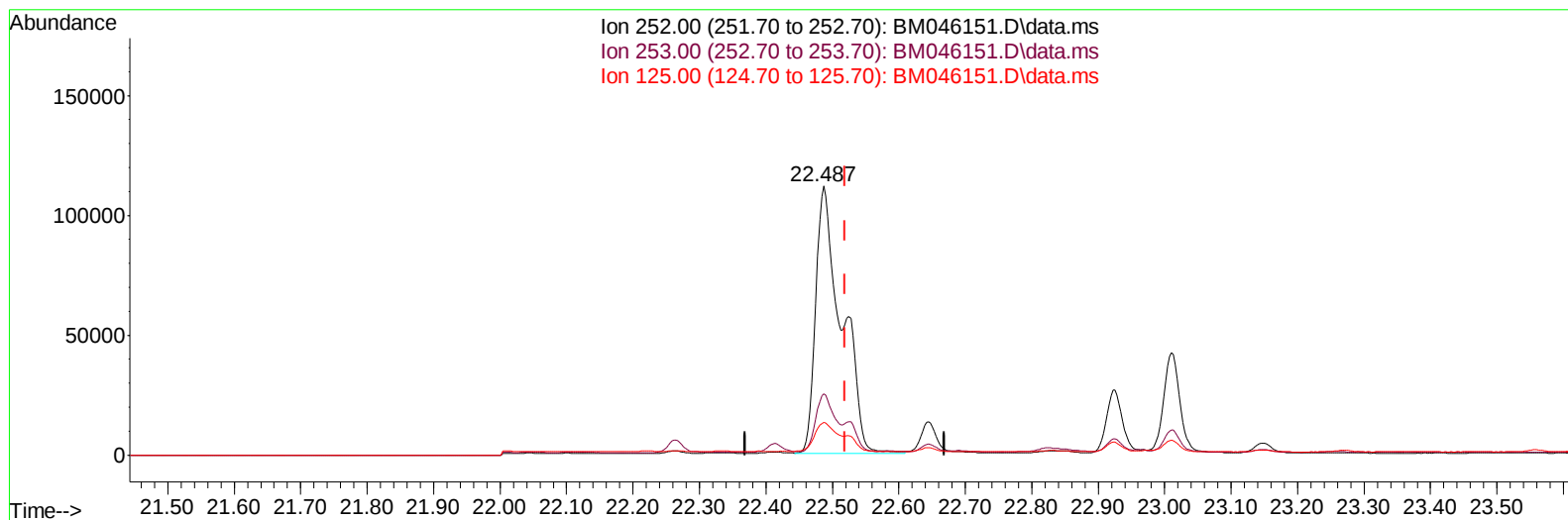
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046151.D
Acq On : 21 Jun 2024 09:39
Operator : MA/JU
Sample : P2754-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP2

Manual IntegrationsAPPROVED

Quant Time: Jun 21 10:53:57 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: BM046151.D\data.ms

(24) Benzo(b)fluoranthene

22.487min (-0.033) 12.19 ng/u1

response 299207

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	22.86
125.00	20.10	12.23
0.00	0.00	0.00

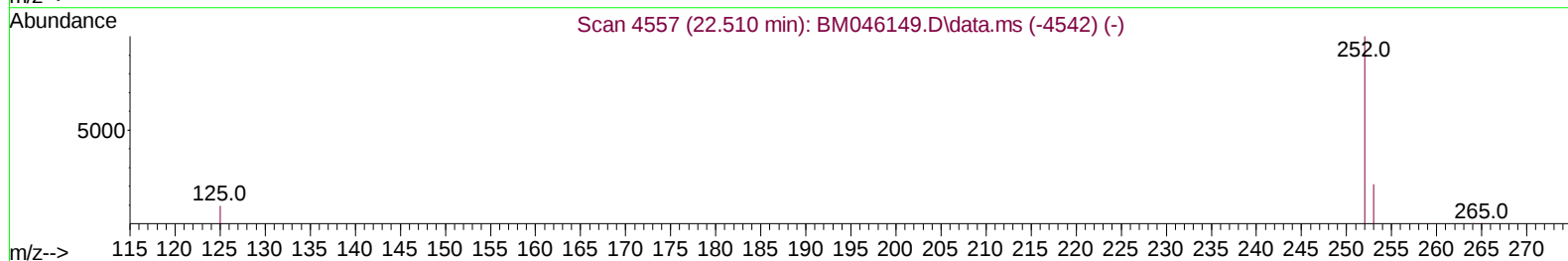
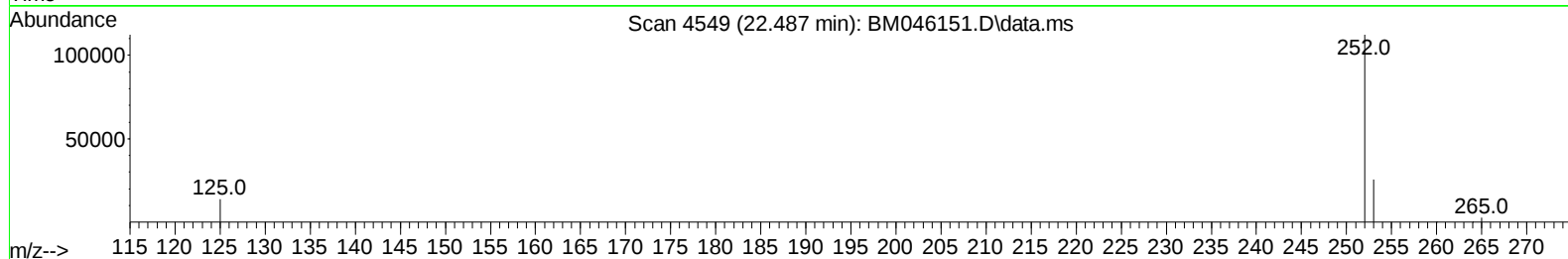
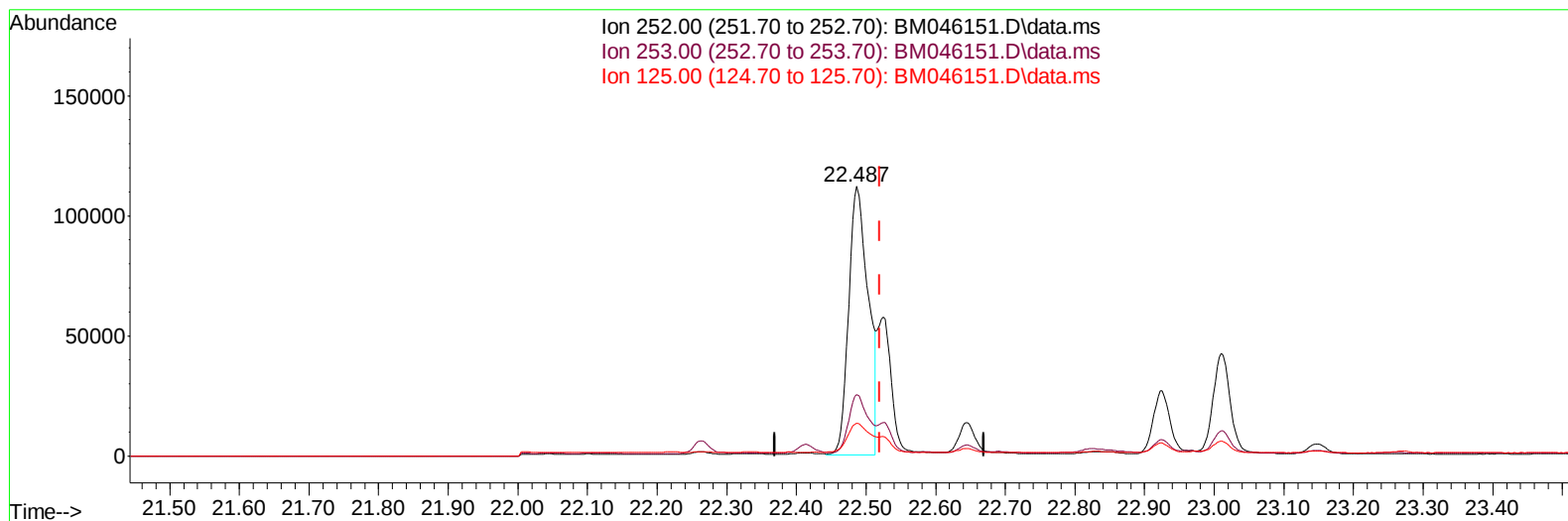
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046151.D
Acq On : 21 Jun 2024 09:39
Operator : MA/JU
Sample : P2754-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP2

Manual IntegrationsAPPROVED

Quant Time: Jun 21 10:53:57 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: BM046151.D\data.ms

(24) Benzo(b)fluoranthene

22.487min (-0.033) 8.93 ng/u1 m

response 219226

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	22.86
125.00	20.10	12.23
0.00	0.00	0.00

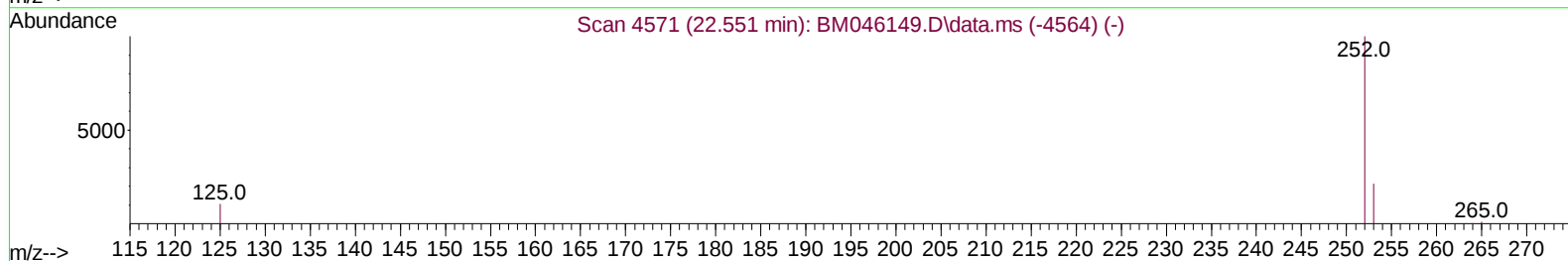
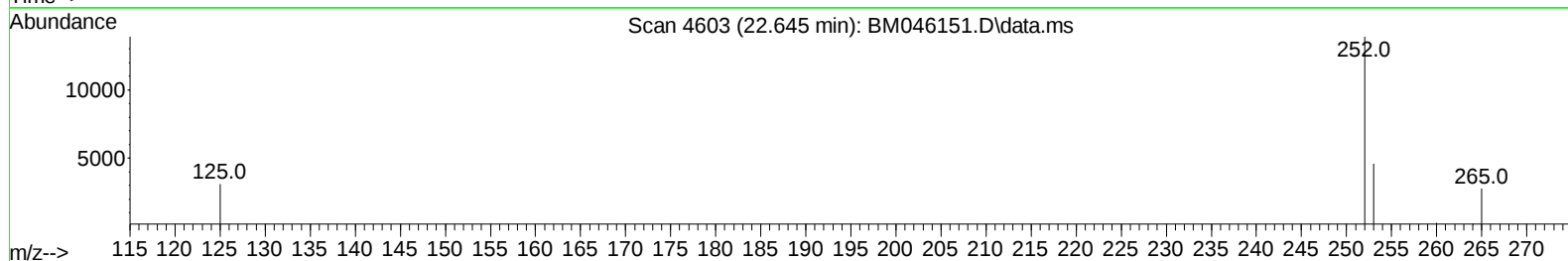
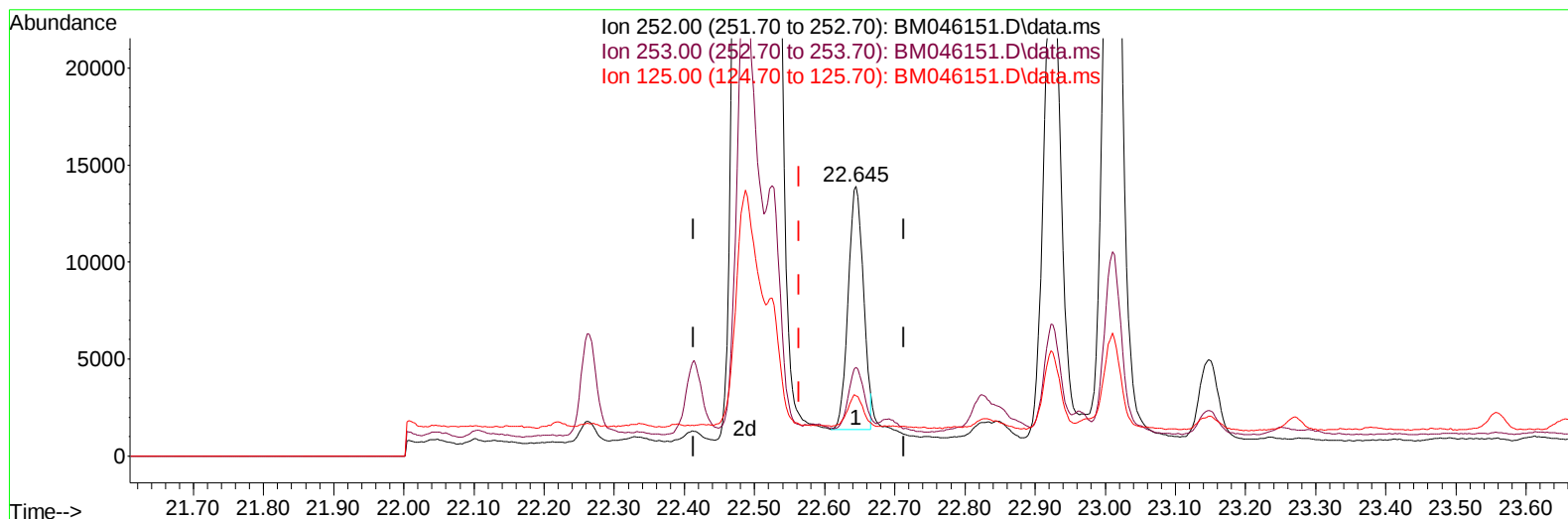
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046151.D
 Acq On : 21 Jun 2024 09:39
 Operator : MA/JU
 Sample : P2754-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BP2

Manual IntegrationsAPPROVED

Quant Time: Jun 21 10:53:57 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: BM046151.D\data.ms

(25) Benzo(k)fluoranthene

22.645min (+ 0.081) 0.65 ng/u1

response 18880

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	32.99
125.00	20.80	22.33
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046151.D
 Acq On : 21 Jun 2024 09:39
 Operator : MA/JU
 Sample : P2754-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BP2

Manual IntegrationsAPPROVED

Quant Time: Jun 21 10:53:57 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.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.421	152	2100	0.400	ng/ul	-0.04
4) Naphthalene-d8	10.194	136	5892	0.400	ng/ul	-0.06
9) Acenaphthene-d10	14.067	164	3281	0.400	ng/ul	#-0.04
13) Phenanthrene-d10	16.812	188	7328m	0.400	ng/ul	-0.05
17) Chrysene-d12	21.008	240	5925m	0.400	ng/ul	-0.04
23) Perylene-d12	23.104	264	6811m	0.400	ng/ul	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.029	96	12012	4.169	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	11.822	152	2349	0.297	ng/ul	-0.04
18) Fluoranthene-d10	18.844	212	5675	0.320	ng/ul	-0.04
Target Compounds						
						Qvalue
5) Naphthalene	10.244	128	3539	0.215	ng/ul	97
7) 2-Methylnaphthalene	11.899	142	920	0.099	ng/ul	90
8) 1-Methylnaphthalene	12.113	142	757	0.075	ng/ul	99
10) Acenaphthylene	13.785	152	7091	0.456	ng/ul	98
11) Acenaphthene	14.132	153	3003	0.267	ng/ul	98
12) Fluorene	15.122	166	3726	0.309	ng/ul	98
15) Phenanthrene	16.850	178	95580m	4.642	ng/ul	
16) Anthracene	16.943	178	15913m	1.038	ng/ul	
19) Fluoranthene	18.872	202	266288	10.380	ng/ul	98
20) Pyrene	19.234	202	183040	6.597	ng/ul	97
21) Benzo(a)anthracene	20.994	228	111749m	4.883	ng/ul	
22) Chrysene	21.046	228	138827	4.753	ng/ul	99
24) Benzo(b)fluoranthene	22.487	252	219226m	8.934	ng/ul	
25) Benzo(k)fluoranthene	22.525	252	78598m	2.694	ng/ul	
26) Benzo(a)pyrene	23.010	252	72018	3.167	ng/ul#	76
27) Indeno(1,2,3-cd)pyrene	25.145	276	80703	2.169	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.152	278	25328	0.914	ng/ul	96
29) Benzo(g,h,i)perylene	25.775	276	11512	0.361	ng/ul	93

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

