

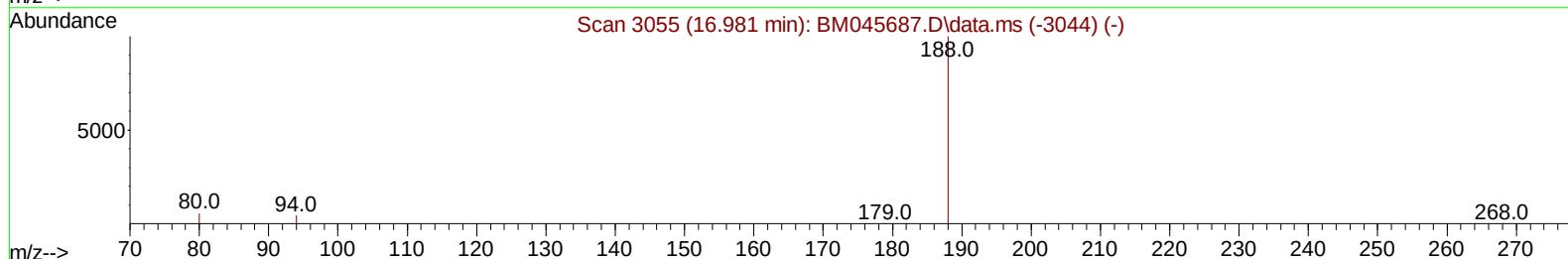
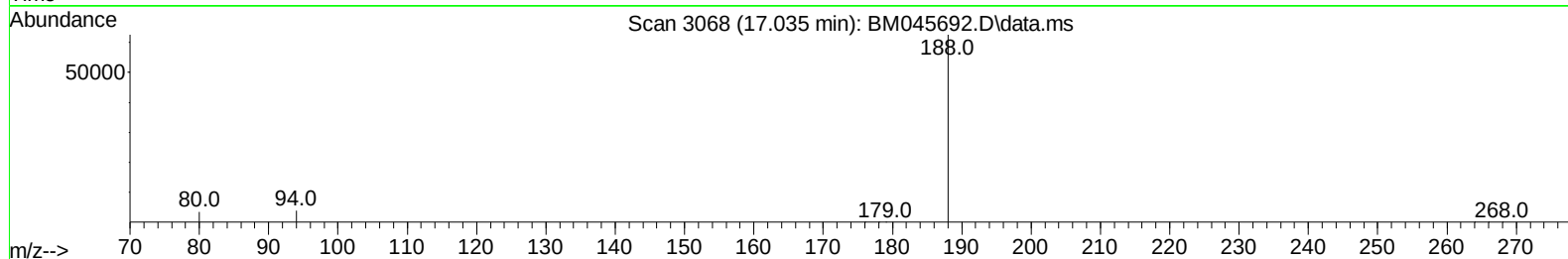
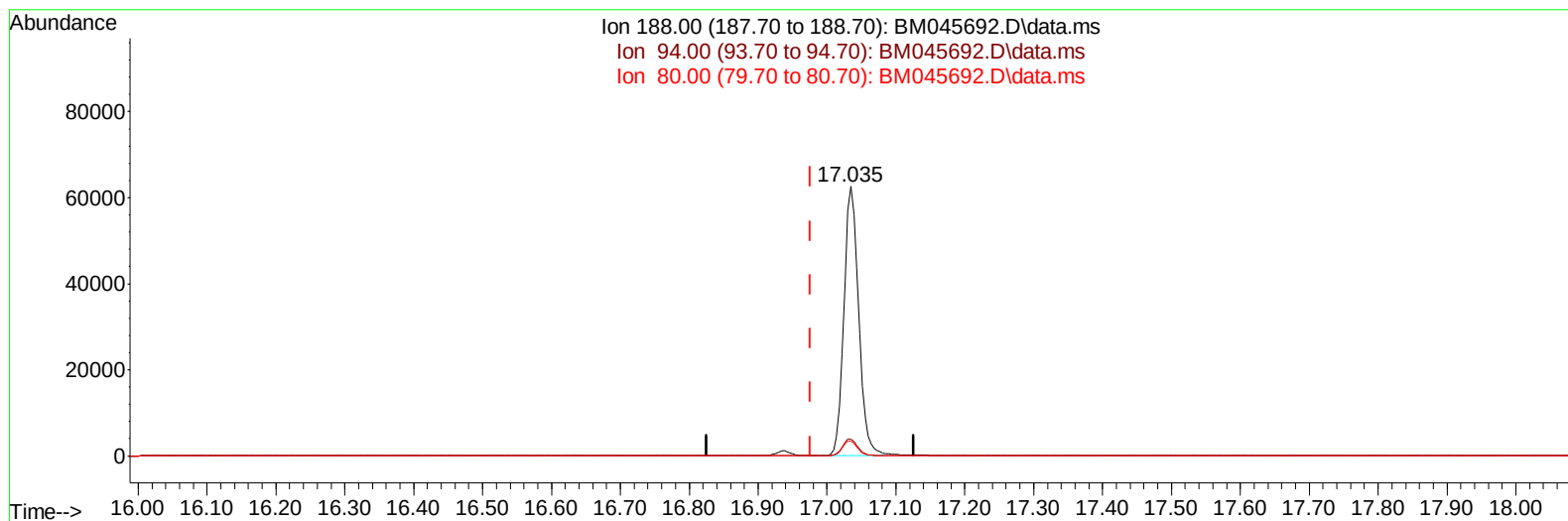
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
Data File : BM045692.D
Acq On : 03 May 2024 12:49
Operator : MA/JU
Sample : P2234-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0SA2

Manual IntegrationsAPPROVED

Quant Time: May 03 13:24:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM050324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 03 03:27:04 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



TIC: BM045692.D\data.ms

(13) Phenanthrene-d10 (I)

17.035min (+ 0.058) 0.40 ng/u1

response 92598

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	16.10	6.26#
80.00	15.50	5.64#
0.00	0.00	0.00

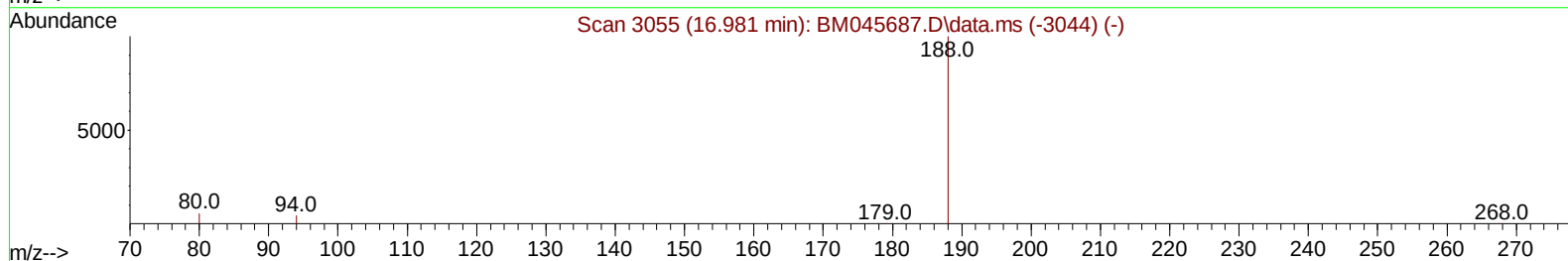
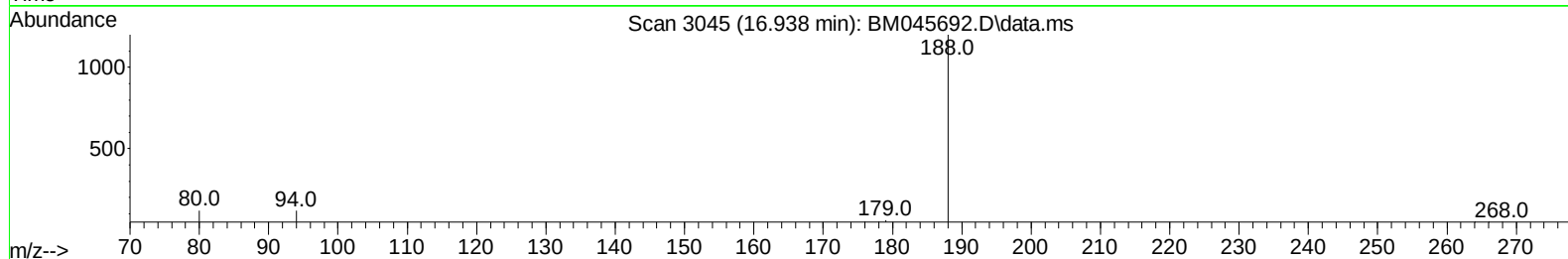
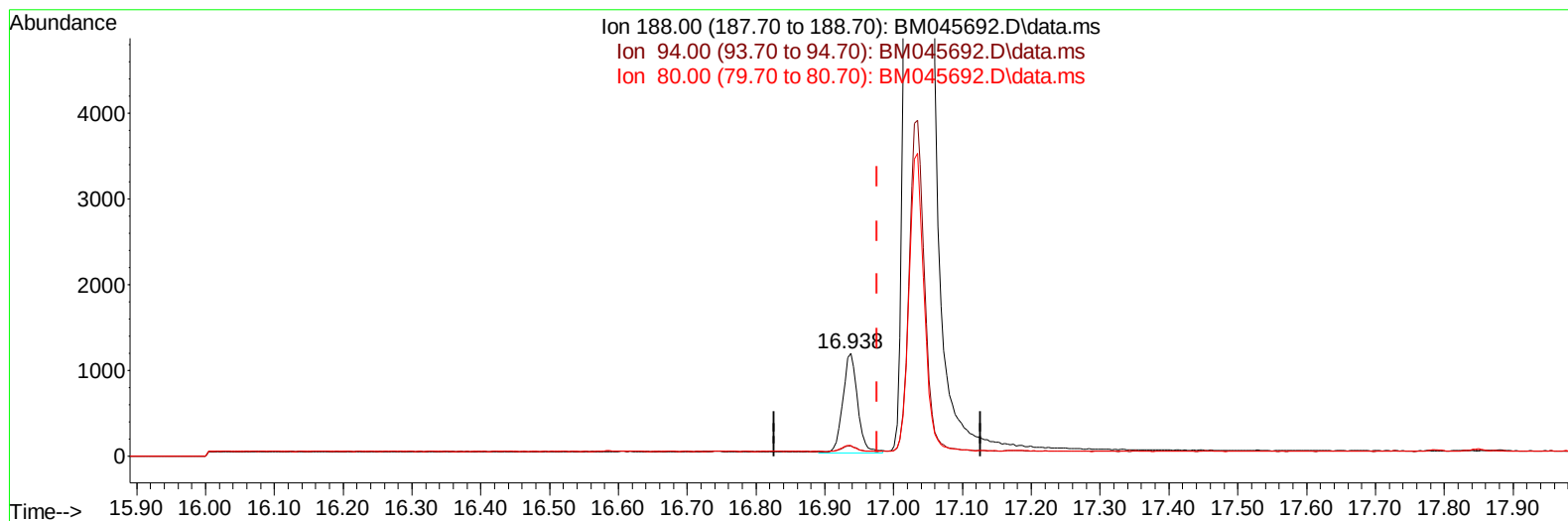
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
Data File : BM045692.D
Acq On : 03 May 2024 12:49
Operator : MA/JU
Sample : P2234-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0SA2

Manual IntegrationsAPPROVED

Quant Time: May 03 13:24:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM050324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 03 03:27:04 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



TIC: BM045692.D\data.ms

(13) Phenanthrene-d10 (I)

16.938min (-0.039) 0.40 ng/ul m

response 1735

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	16.10	9.92#
80.00	15.50	10.00#
0.00	0.00	0.00

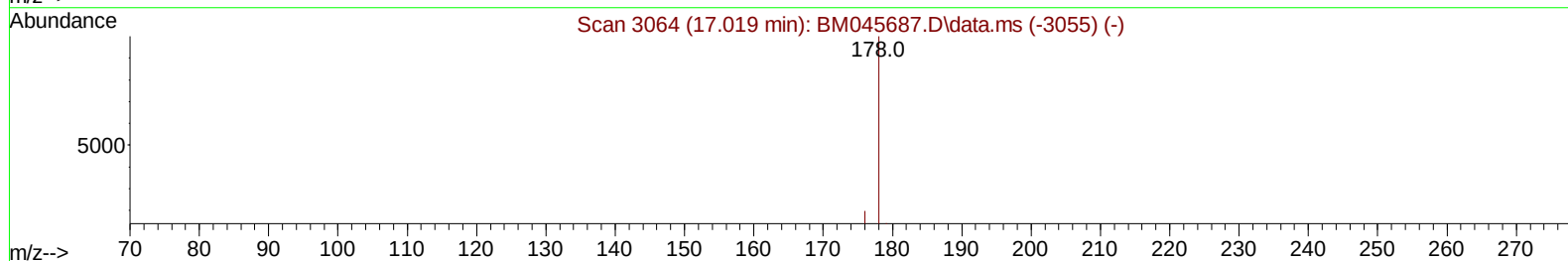
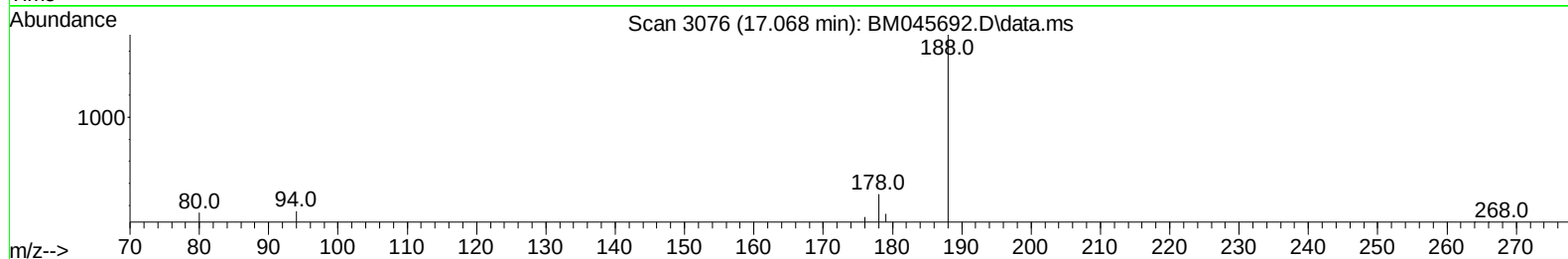
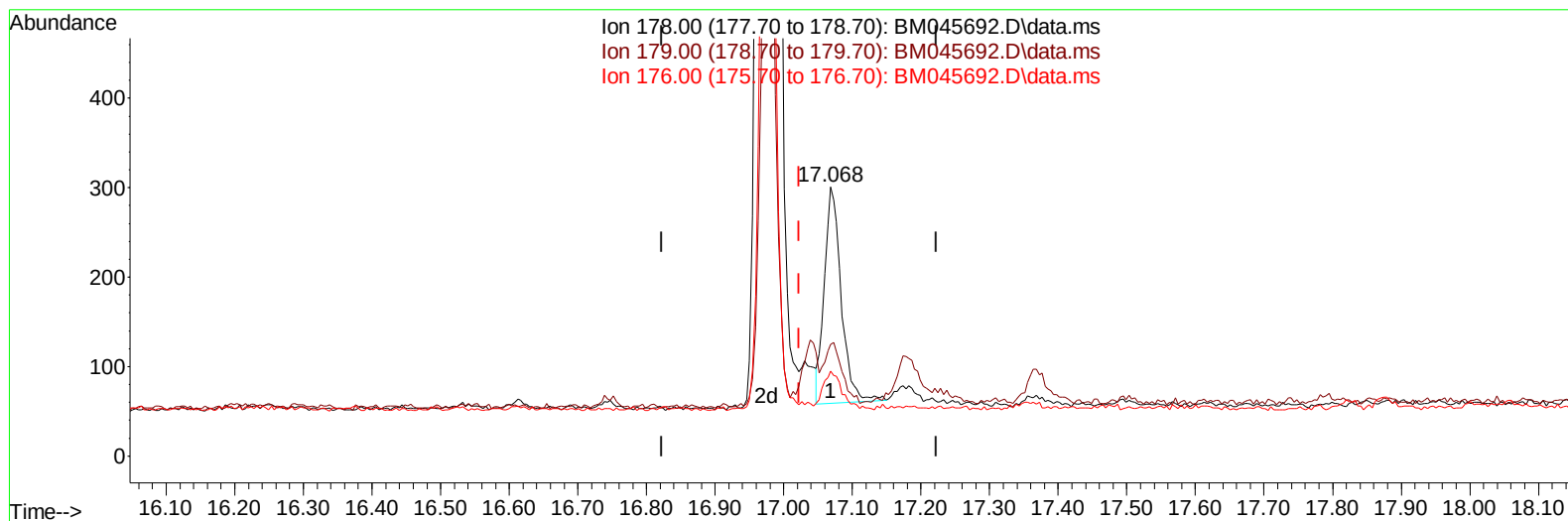
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
Data File : BM045692.D
Acq On : 03 May 2024 12:49
Operator : MA/JU
Sample : P2234-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0SA2

Manual IntegrationsAPPROVED

Quant Time: May 03 13:24:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM050324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 03 03:27:04 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



TIC: BM045692.D\data.ms

(15) Phenanthrene

17.068min (+ 0.046) 0.10 ng/u1

response 414

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	22.90	41.53#
176.00	27.20	31.56
0.00	0.00	0.00

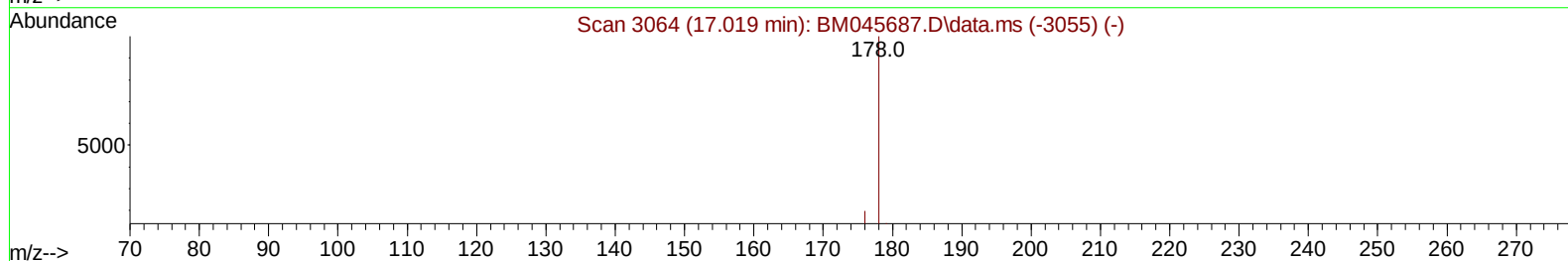
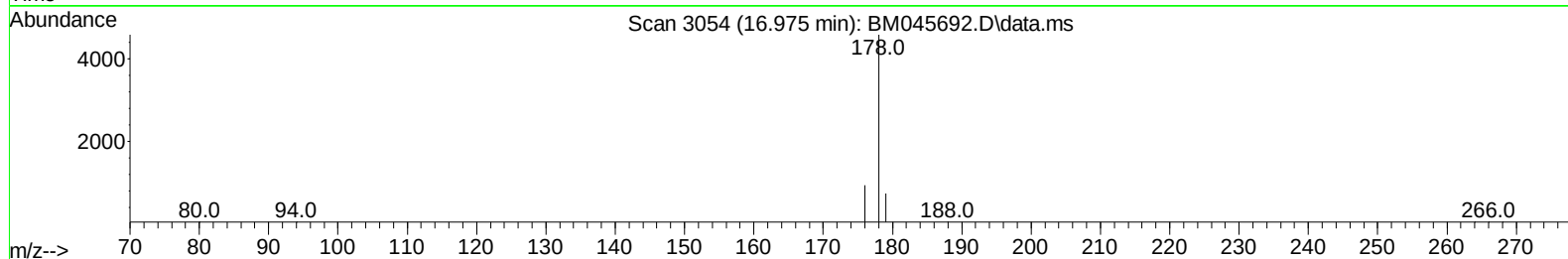
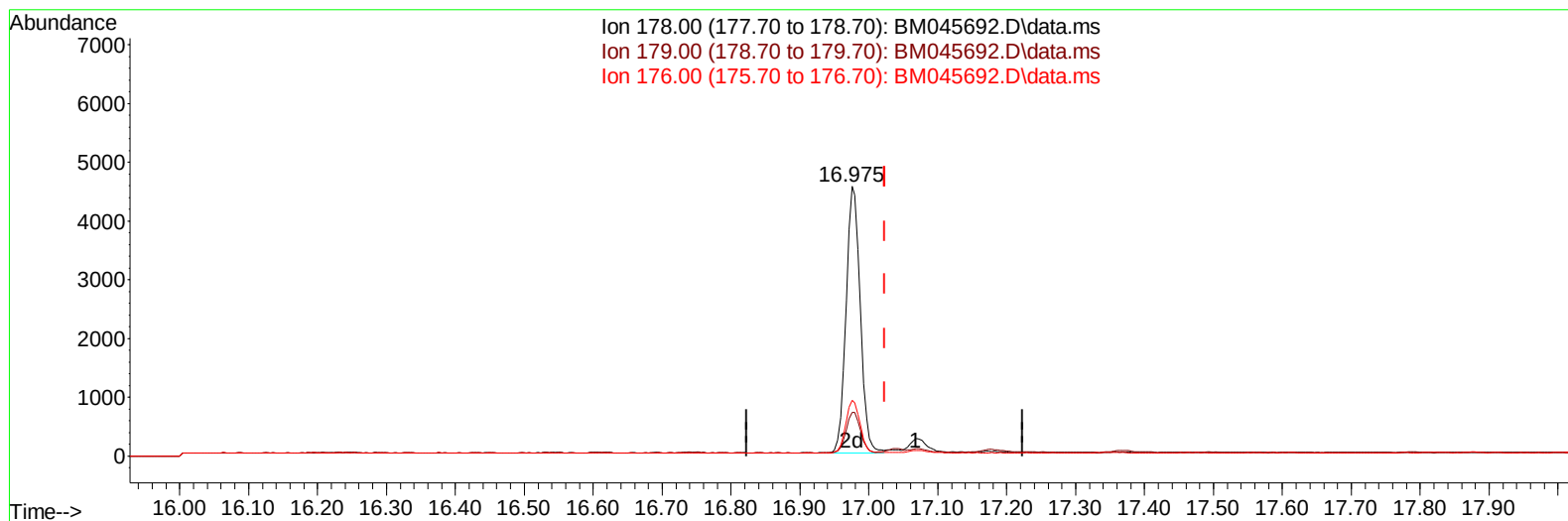
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
 Data File : BM045692.D
 Acq On : 03 May 2024 12:49
 Operator : MA/JU
 Sample : P2234-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0SA2

Manual IntegrationsAPPROVED

Quant Time: May 03 13:24:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM050324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 03 03:27:04 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/03/2024
 Supervised By :mohammad ahmed 05/06/2024



TIC: BM045692.D\data.ms

(15) Phenanthrene

16.975min (-0.047) 1.51 ng/ul m

response 6488

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	22.90	16.19#
176.00	27.20	20.53#
0.00	0.00	0.00

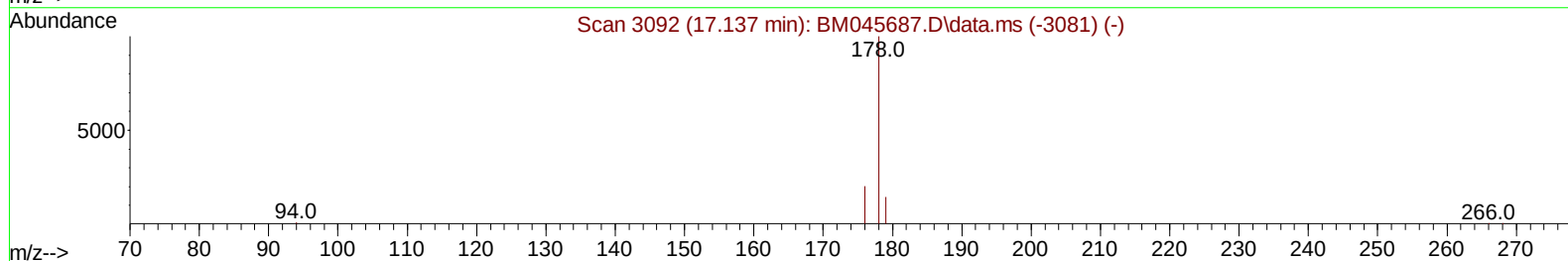
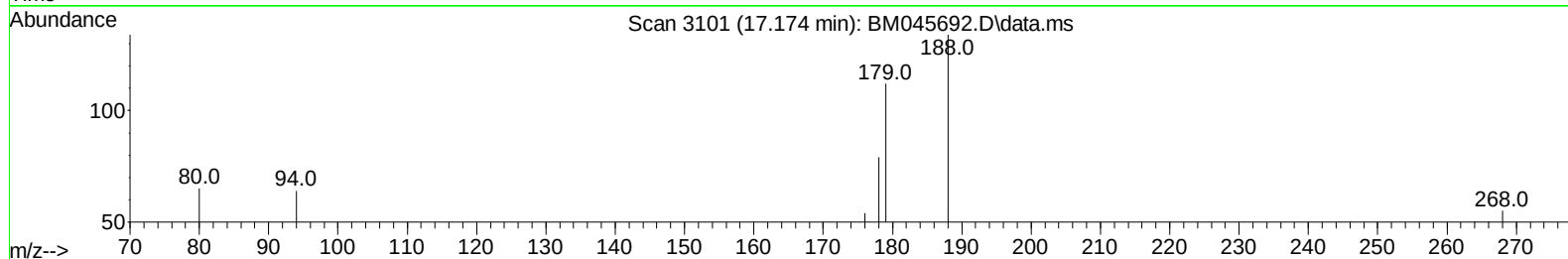
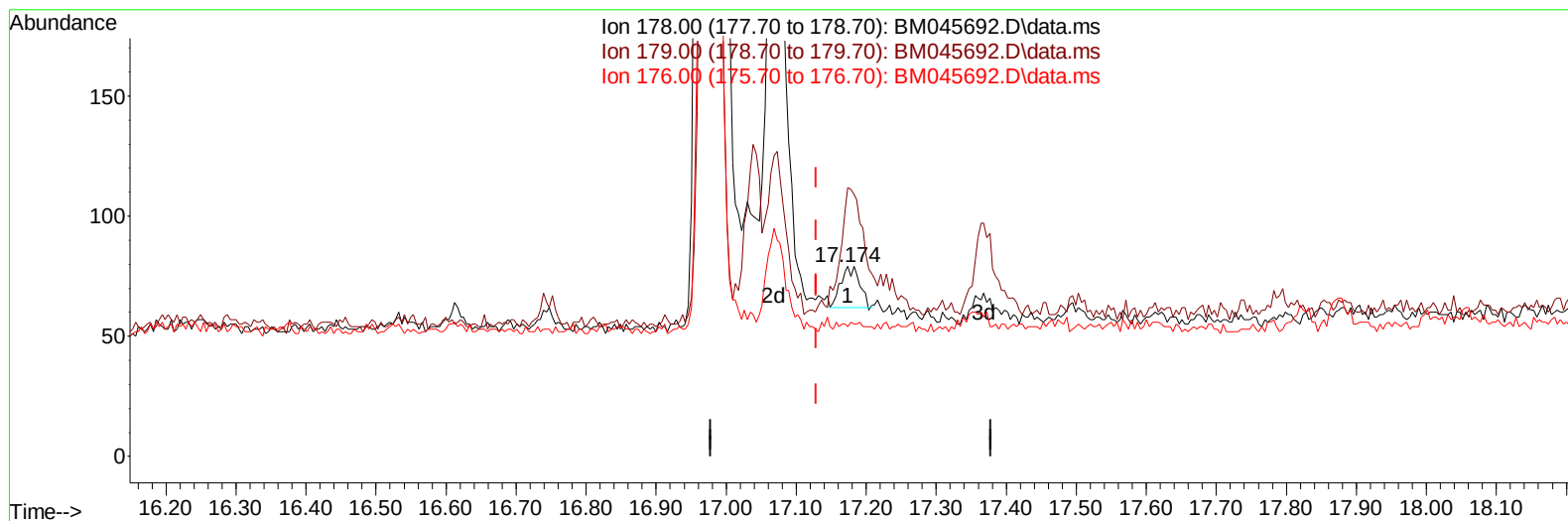
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
Data File : BM045692.D
Acq On : 03 May 2024 12:49
Operator : MA/JU
Sample : P2234-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0SA2

Manual IntegrationsAPPROVED

Quant Time: May 03 13:24:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM050324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 03 03:27:04 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



TIC: BM045692.D\data.ms

(16) Anthracene

17.174min (+ 0.046) 0.01 ng/u1

response 32

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	26.10	141.77#
176.00	28.60	68.35#
0.00	0.00	0.00

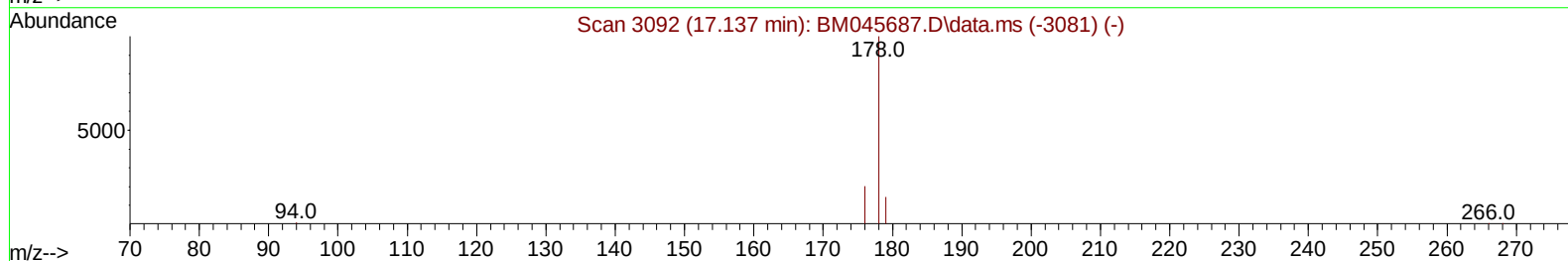
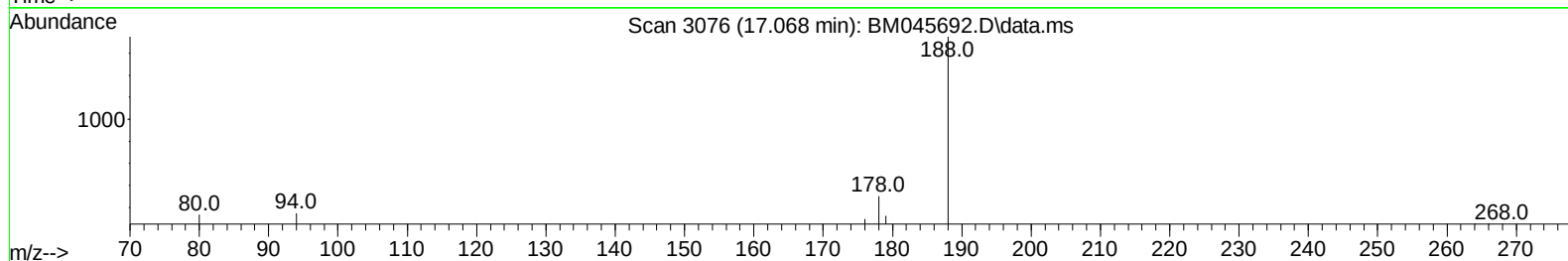
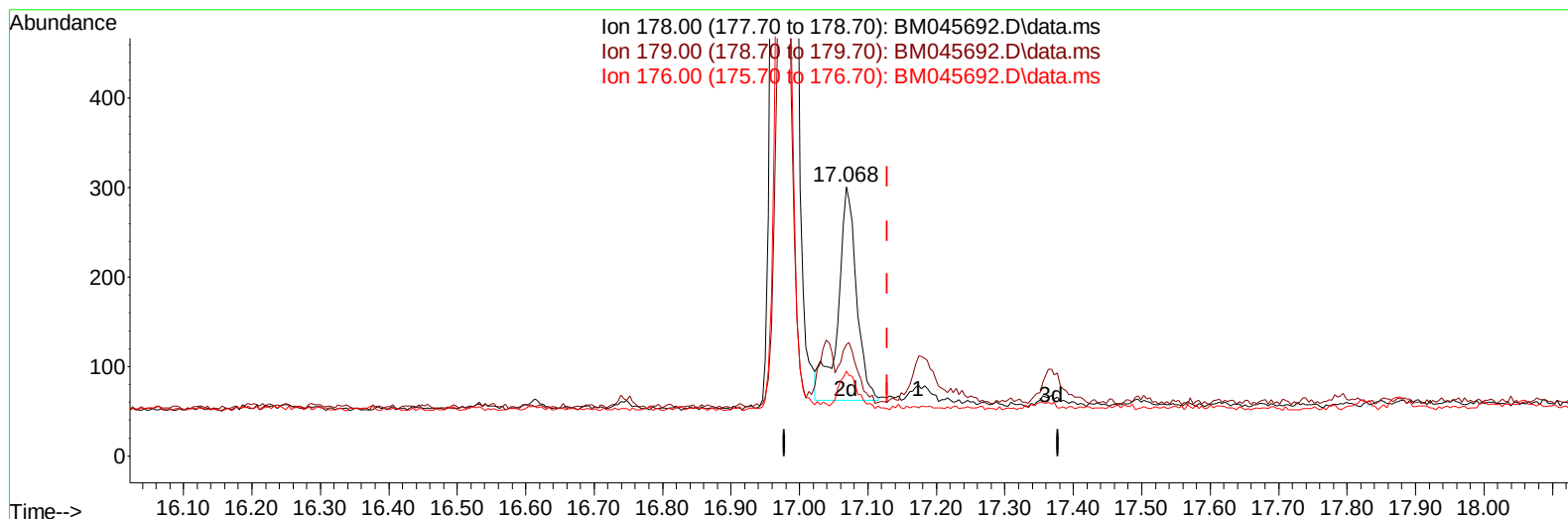
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
 Data File : BM045692.D
 Acq On : 03 May 2024 12:49
 Operator : MA/JU
 Sample : P2234-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0SA2

Manual IntegrationsAPPROVED

Quant Time: May 03 13:24:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM050324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 03 03:27:04 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/03/2024
 Supervised By :mohammad ahmed 05/06/2024



TIC: BM045692.D\data.ms

(16) Anthracene

17.068min (-0.060) 0.11 ng/ul m

response 454

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	26.10	41.53#
176.00	28.60	31.56
0.00	0.00	0.00

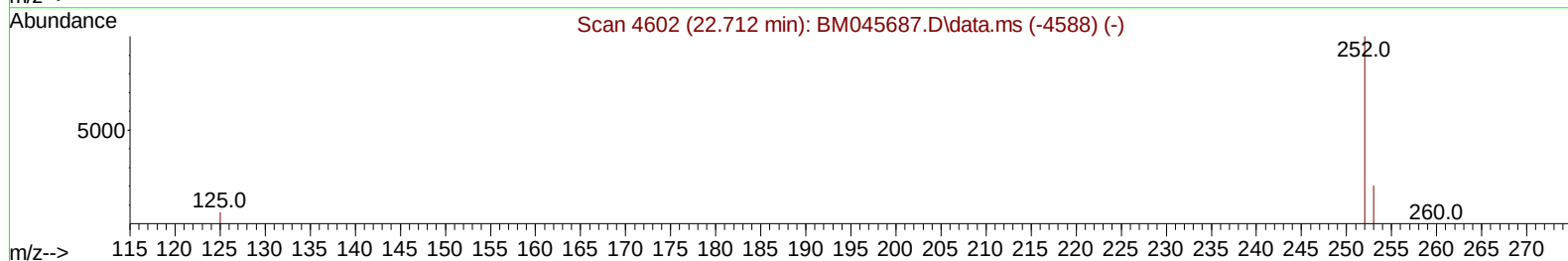
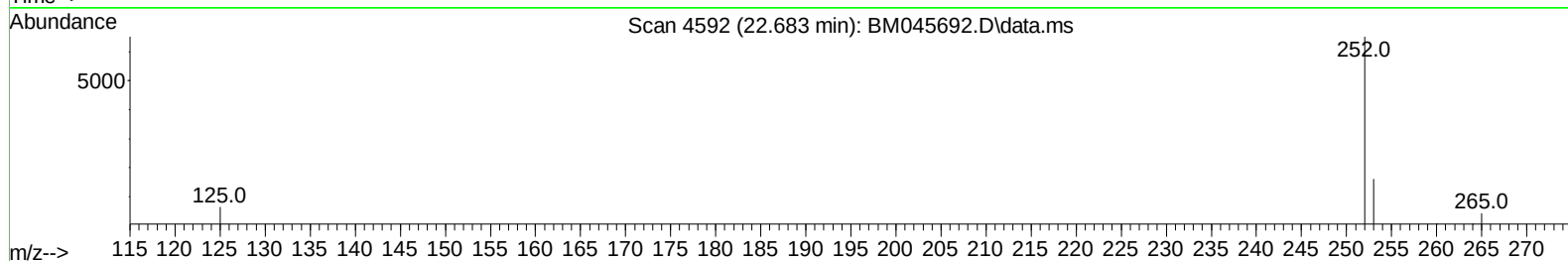
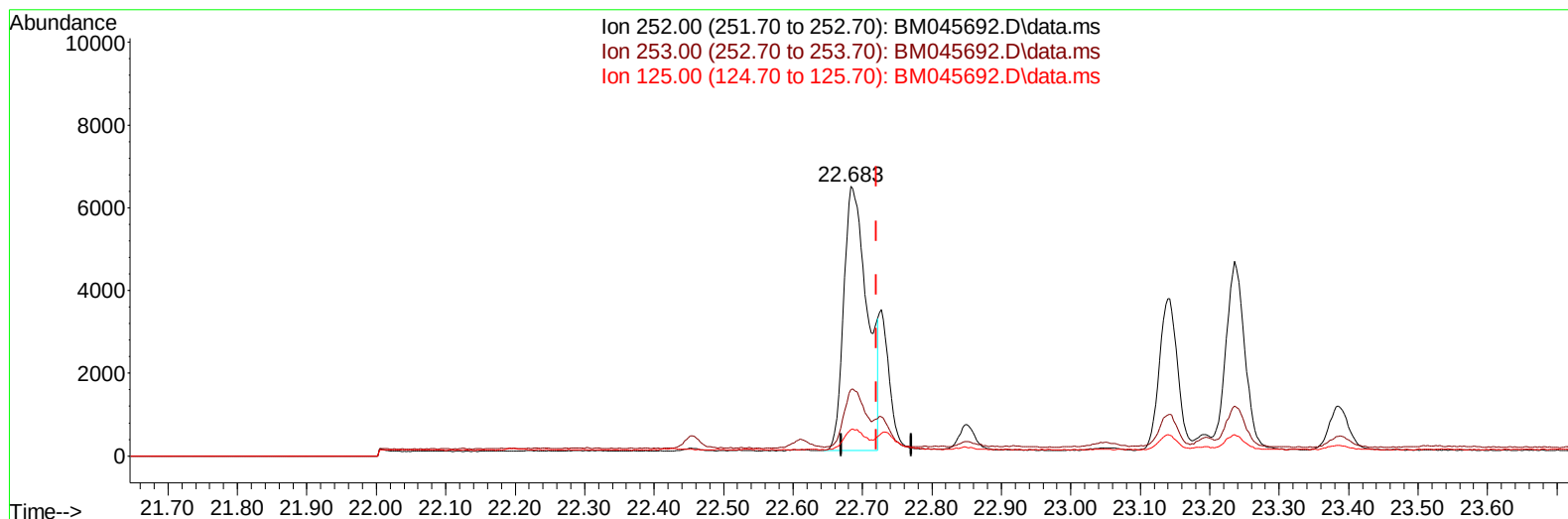
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
Data File : BM045692.D
Acq On : 03 May 2024 12:49
Operator : MA/JU
Sample : P2234-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0SA2

Manual IntegrationsAPPROVED

Quant Time: May 03 13:24:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM050324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 03 03:27:04 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



TIC: BM045692.D\data.ms

(24) Benzo(b)fluoranthene

22.683min (-0.037) 1.81 ng/u l

response 14943

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	33.60	24.76
125.00	14.00	9.86
0.00	0.00	0.00

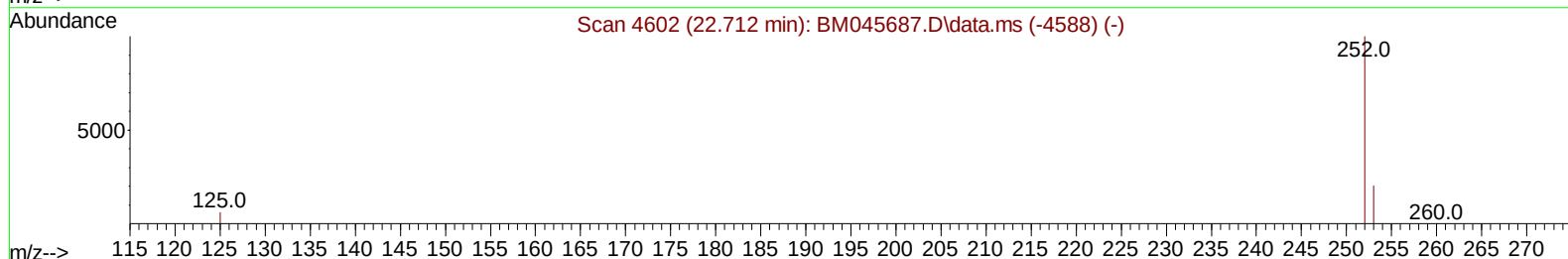
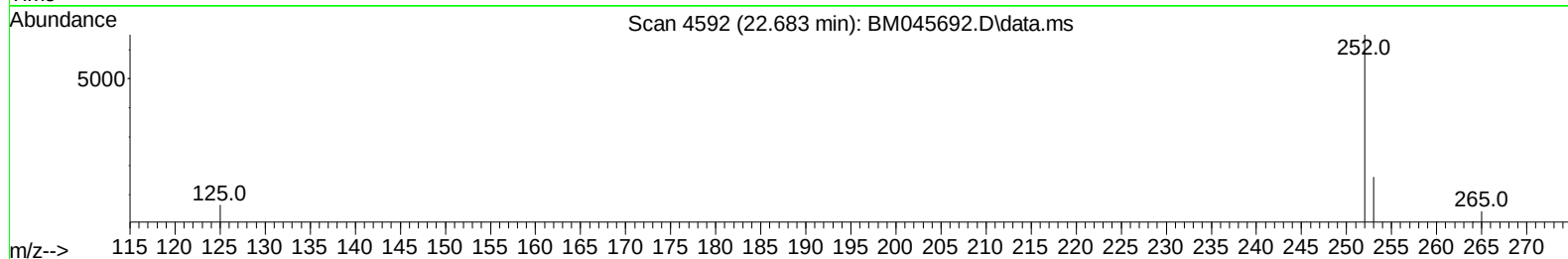
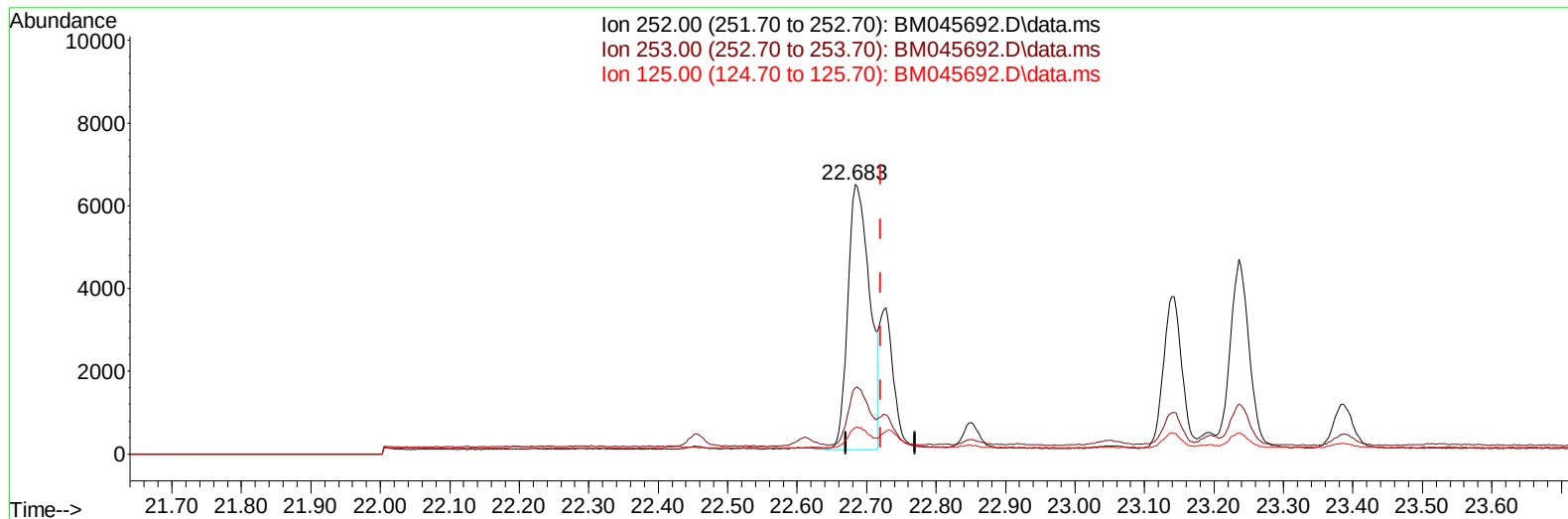
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
Data File : BM045692.D
Acq On : 03 May 2024 12:49
Operator : MA/JU
Sample : P2234-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0SA2

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 05/03/2024
Supervised By :mohammad ahmed 05/06/2024

Quant Time: May 03 13:24:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM050324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 03 03:27:04 2024
Response via : Initial Calibration



TIC: BM045692.D\data.ms

(24) Benzo(b)fluoranthene

22.683min (-0.037) 1.69 ng/u l m

response 13979

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	33.60	24.76
125.00	14.00	9.86
0.00	0.00	0.00

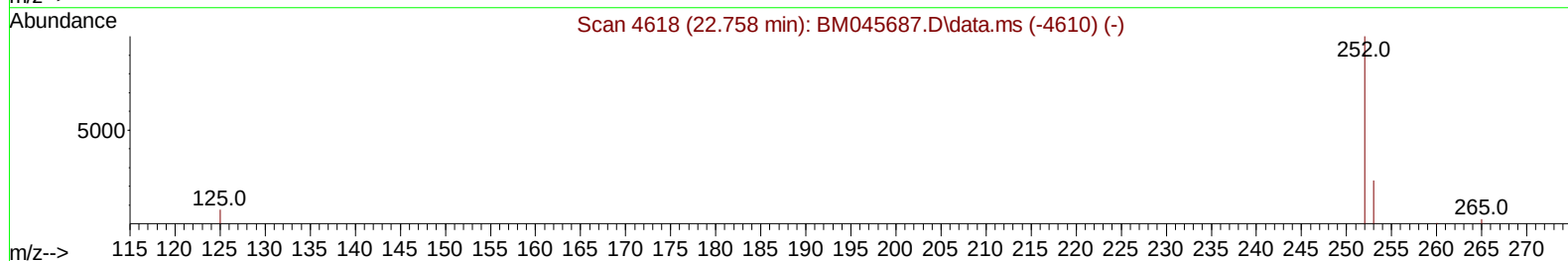
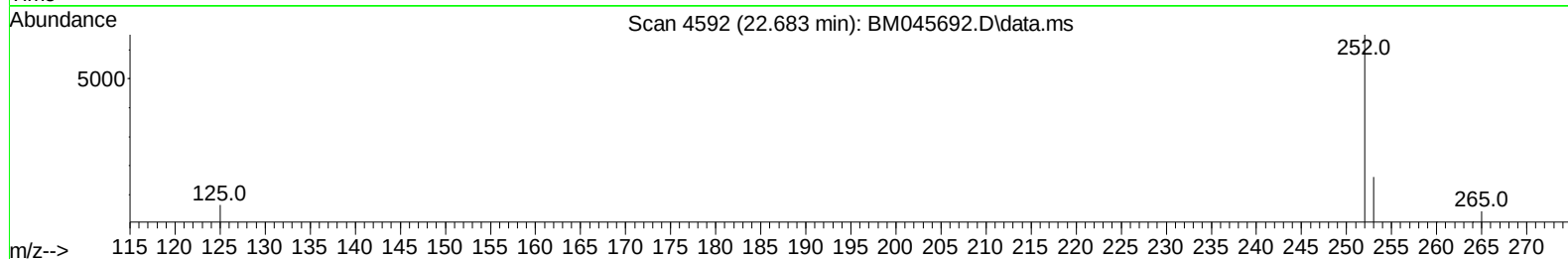
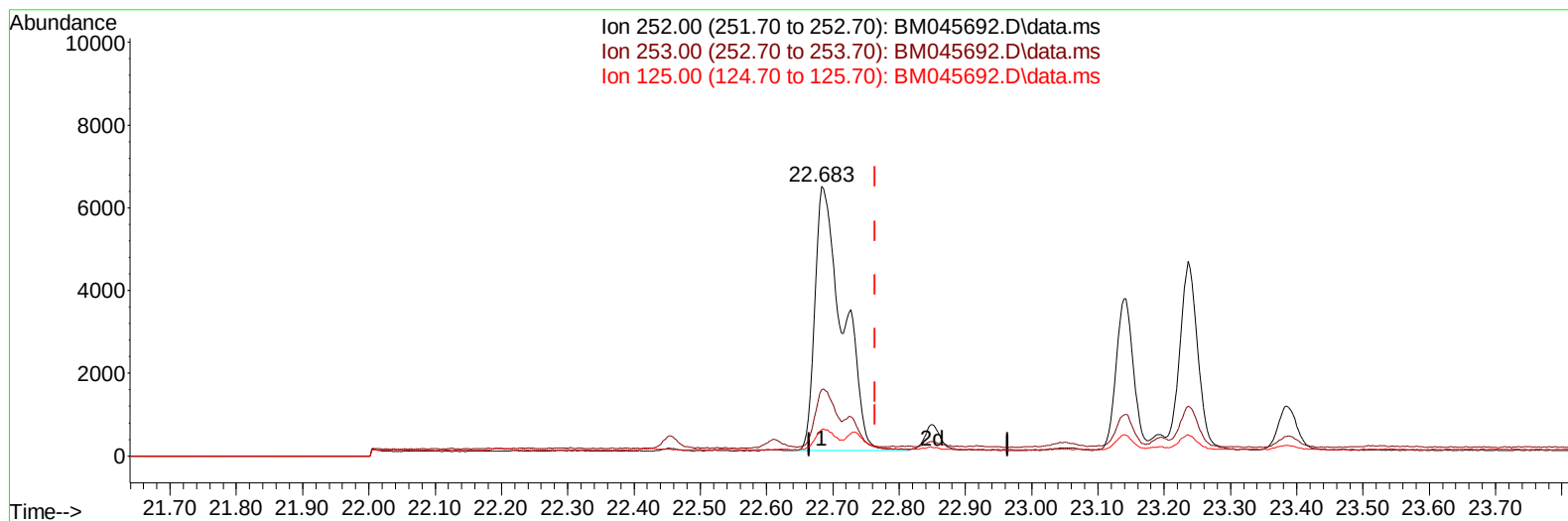
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
Data File : BM045692.D
Acq On : 03 May 2024 12:49
Operator : MA/JU
Sample : P2234-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0SA2

Manual IntegrationsAPPROVED

Quant Time: May 03 13:24:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM050324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 03 03:27:04 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



TIC: BM045692.D\data.ms

(25) Benzo(k)fluoranthene

22.683min (-0.081) 1.82 ng/u1

response 18687

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.70	24.76#
125.00	14.90	9.86#
0.00	0.00	0.00

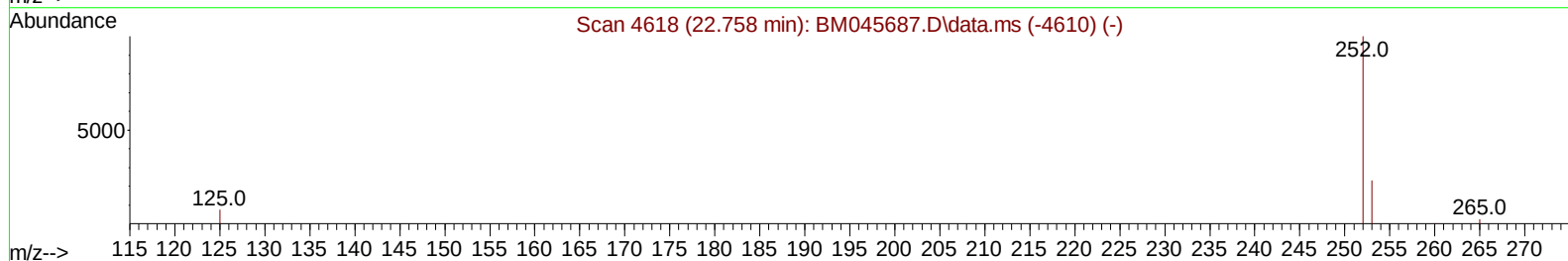
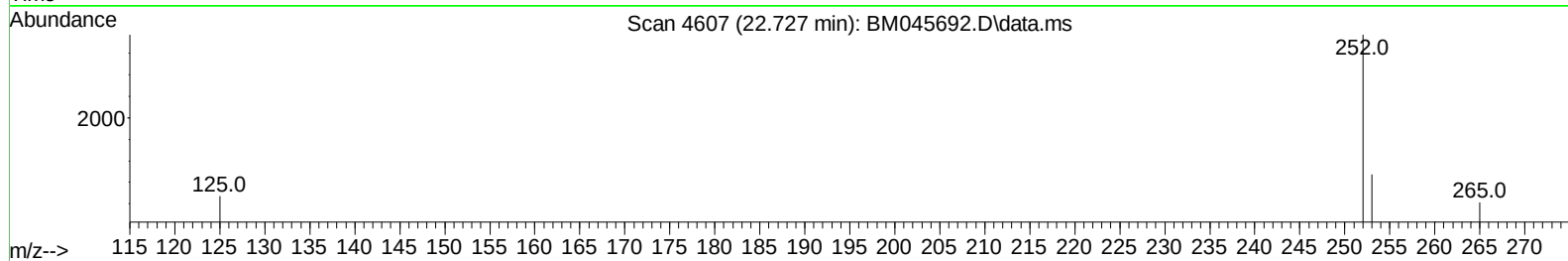
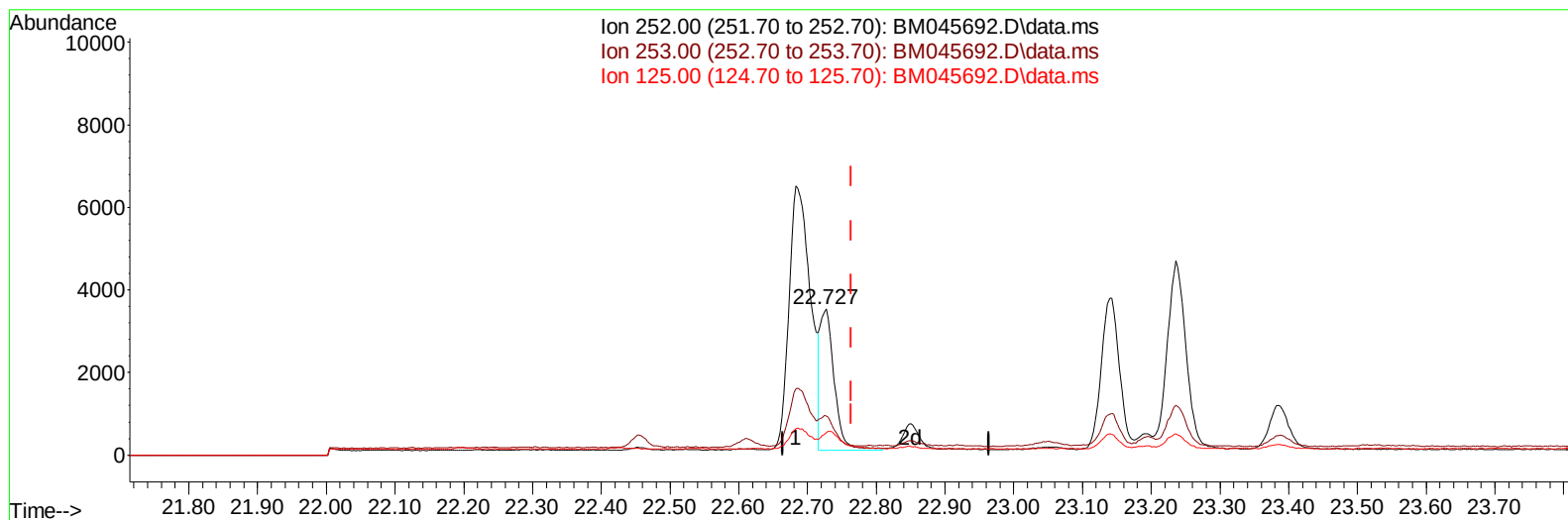
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
 Data File : BM045692.D
 Acq On : 03 May 2024 12:49
 Operator : MA/JU
 Sample : P2234-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0SA2

Manual IntegrationsAPPROVED

Quant Time: May 03 13:24:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM050324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 03 03:27:04 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/03/2024
 Supervised By :mohammad ahmed 05/06/2024



TIC: BM045692.D\data.ms

(25) Benzo(k)fluoranthene

22.727min (-0.037) 0.48 ng/ul m

response 4878

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.70	26.78#
125.00	14.90	15.22
0.00	0.00	0.00

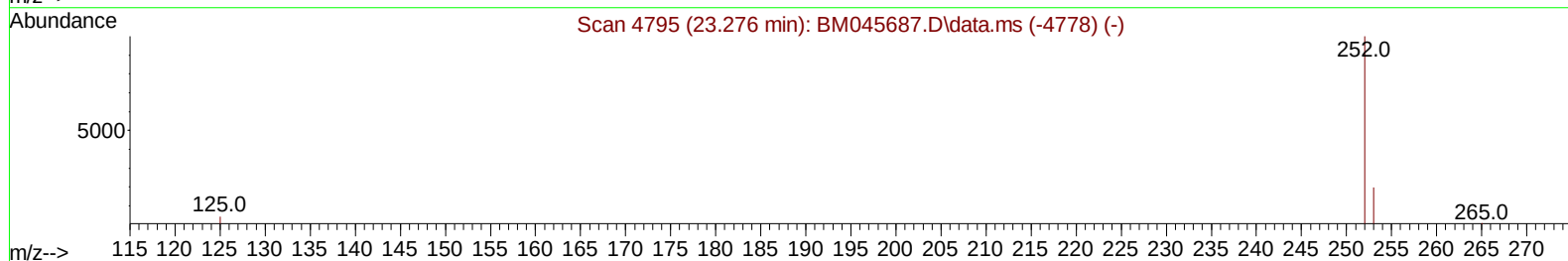
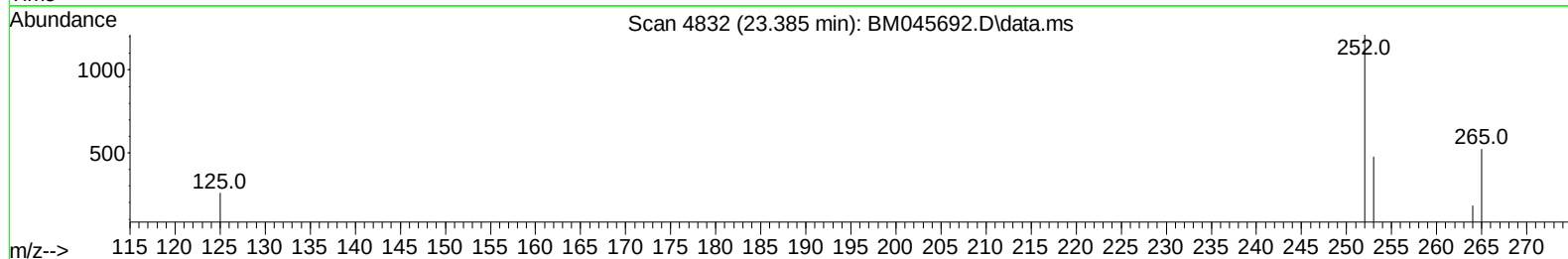
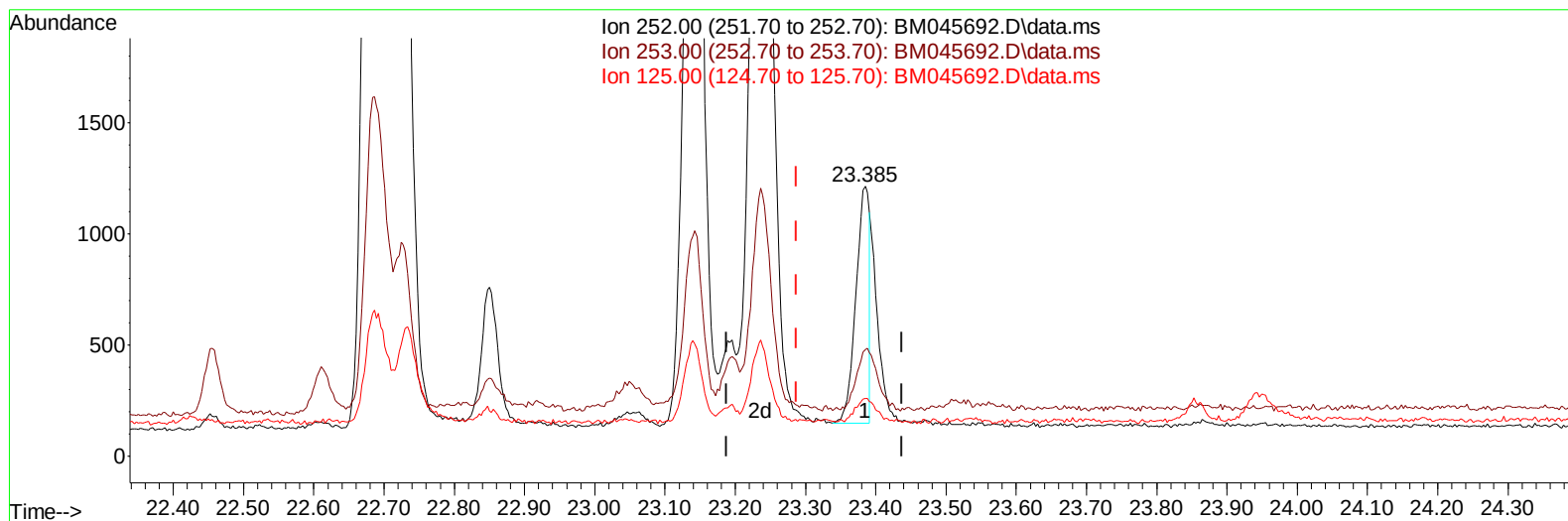
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
Data File : BM045692.D
Acq On : 03 May 2024 12:49
Operator : MA/JU
Sample : P2234-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0SA2

Manual IntegrationsAPPROVED

Quant Time: May 03 13:24:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM050324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 03 03:27:04 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



TIC: BM045692.D\data.ms

(26) Benzo(a)pyrene (C)

23.385min (+ 0.097) 0.15 ng/u1

response 1411

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	39.60	39.44
125.00	19.70	21.29
0.00	0.00	0.00

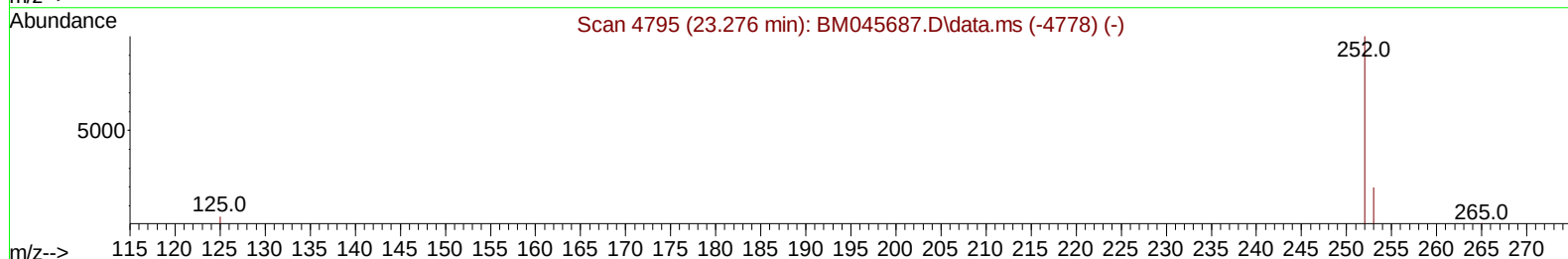
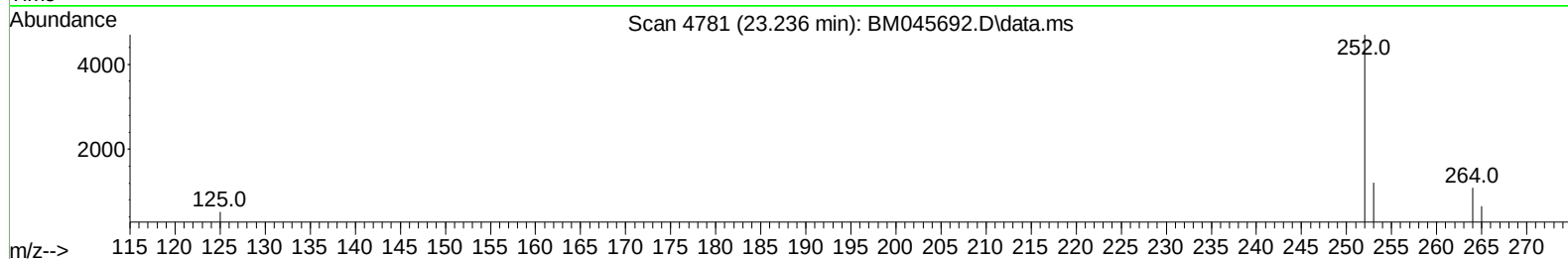
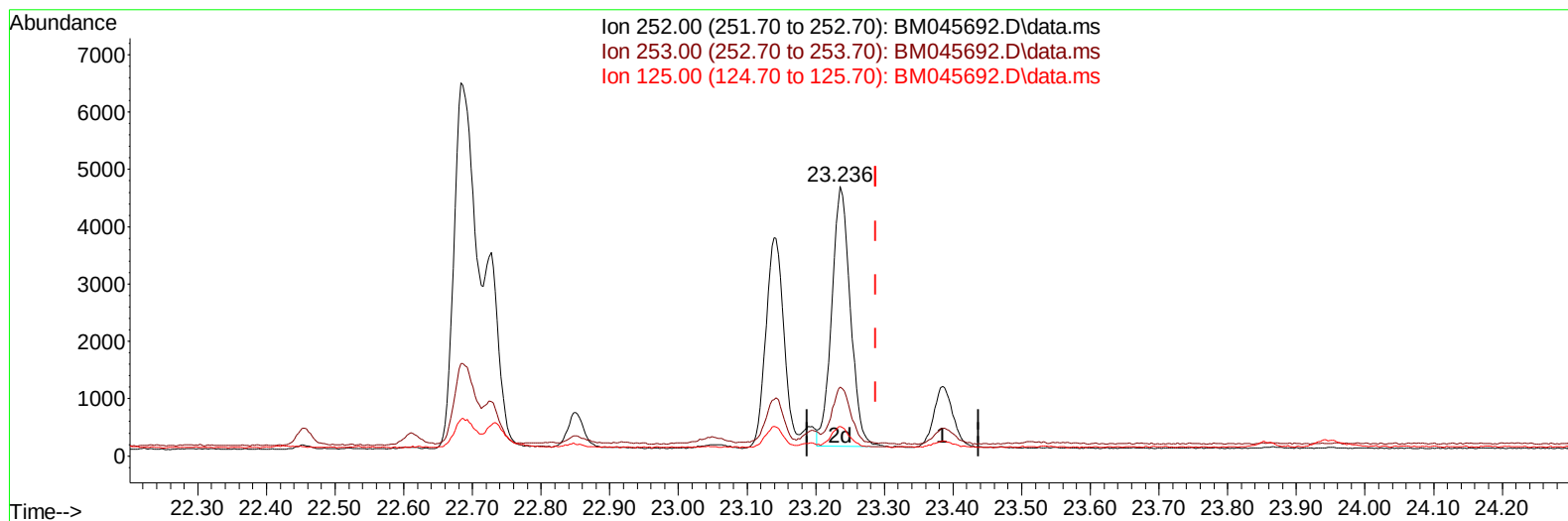
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
 Data File : BM045692.D
 Acq On : 03 May 2024 12:49
 Operator : MA/JU
 Sample : P2234-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0SA2

Manual IntegrationsAPPROVED

Quant Time: May 03 13:24:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM050324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 03 03:27:04 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/03/2024
 Supervised By :mohammad ahmed 05/06/2024



TIC: BM045692.D\data.ms

(26) Benzo(a)pyrene (C)

23.236min (-0.052) 0.93 ng/ul m

response 8563

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	39.60	25.61#
125.00	19.70	11.10#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
 Data File : BM045692.D
 Acq On : 03 May 2024 12:49
 Operator : MA/JU
 Sample : P2234-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0SA2

Manual IntegrationsAPPROVED

Quant Time: May 03 13:24:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM050324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 03 03:27:04 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/03/2024
 Supervised By :mohammad ahmed 05/06/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.521	152	350	0.400	ng/ul	#-0.05
4) Naphthalene-d8	10.281	136	1012	0.400	ng/ul	#-0.07
9) Acenaphthene-d10	14.172	164	682	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.938	188	1735m	0.400	ng/ul	-0.04
17) Chrysene-d12	21.158	240	1964	0.400	ng/ul	-0.03
23) Perylene-d12	23.335	264	2970	0.400	ng/ul	#-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.142	96	1365	3.445	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.909	152	392	0.245	ng/ul	-0.04
18) Fluoranthene-d10	18.978	212	1278	0.259	ng/ul	-0.03
Target Compounds						
						Qvalue
5) Naphthalene	10.341	128	62	0.024	ng/ul#	38
11) Acenaphthene	14.233	153	112	0.053	ng/ul#	90
12) Fluorene	15.237	166	139	0.056	ng/ul#	91
15) Phenanthrene	16.975	178	6488m	1.506	ng/ul	
16) Anthracene	17.068	178	454m	0.109	ng/ul	
19) Fluoranthene	19.010	202	18130	2.905	ng/ul#	84
20) Pyrene	19.373	202	15438	2.326	ng/ul#	86
21) Benzo(a)anthracene	21.143	228	5834	1.018	ng/ul	94
22) Chrysene	21.196	228	8711	1.074	ng/ul	94
24) Benzo(b)fluoranthene	22.683	252	13979m	1.690	ng/ul	
25) Benzo(k)fluoranthene	22.727	252	4878m	0.476	ng/ul	
26) Benzo(a)pyrene	23.236	252	8563m	0.934	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.504	276	8156	0.646	ng/ul#	96
28) Dibenzo(a,h)anthracene	25.514	278	1640	0.162	ng/ul	96
29) Benzo(g,h,i)perylene	26.165	276	8411	0.751	ng/ul#	87

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
Data File : BM045692.D
Acq On : 03 May 2024 12:49
Operator : MA/JU
Sample : P2234-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0SA2

Manual IntegrationsAPPROVED

Quant Time: May 03 13:24:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM050324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 03 03:27:04 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/03/2024
Supervised By :mohammad ahmed 05/06/2024

