

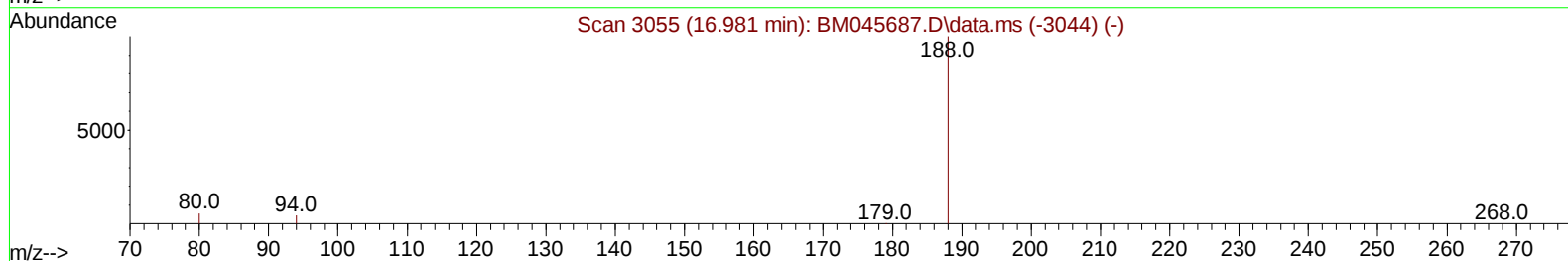
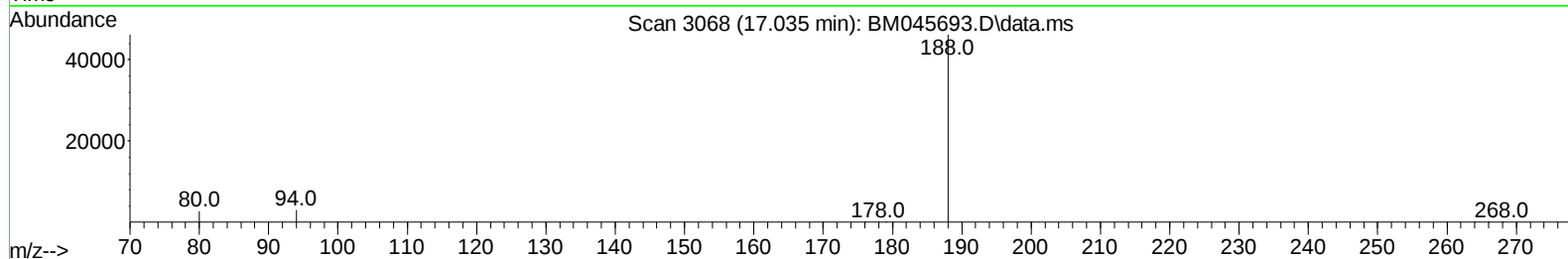
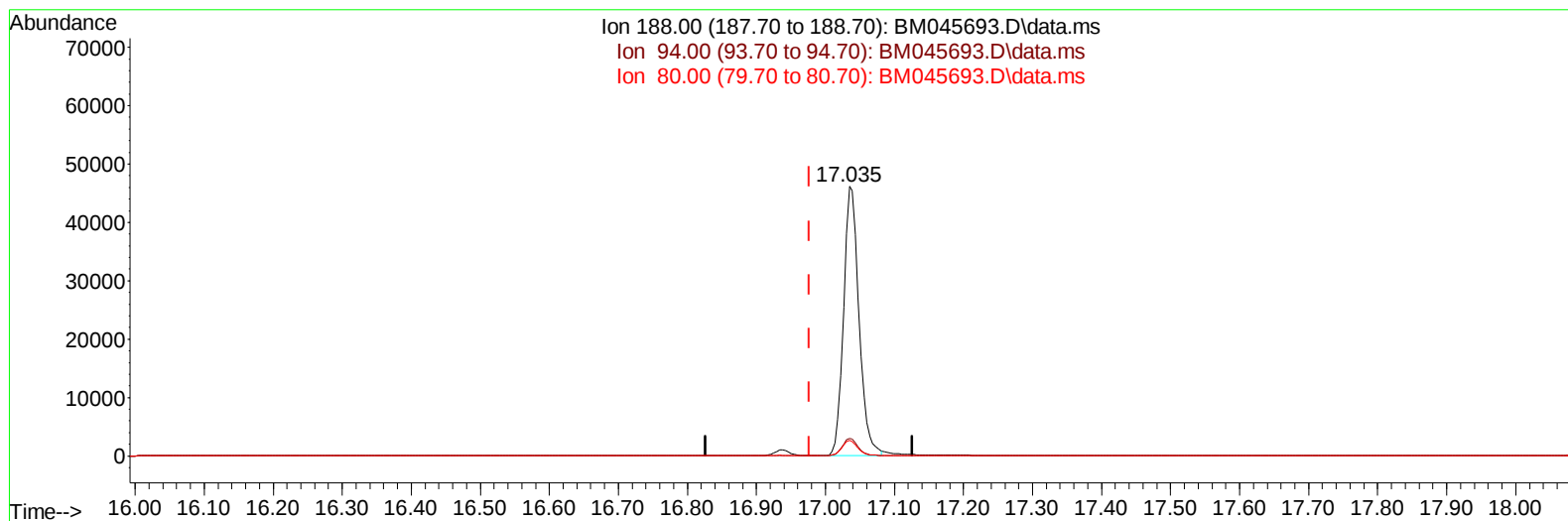
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
Data File : BM045693.D
Acq On : 03 May 2024 13:25
Operator : MA/JU
Sample : P2238-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E1CX5

Manual IntegrationsAPPROVED

Quant Time: May 03 14:18:14 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: BM045693.D\data.ms

(13) Phenanthrene-d10 (I)

17.035min (+ 0.058) 0.40 ng/u1

response 72083

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	16.10	6.62#
80.00	15.50	5.88#
0.00	0.00	0.00

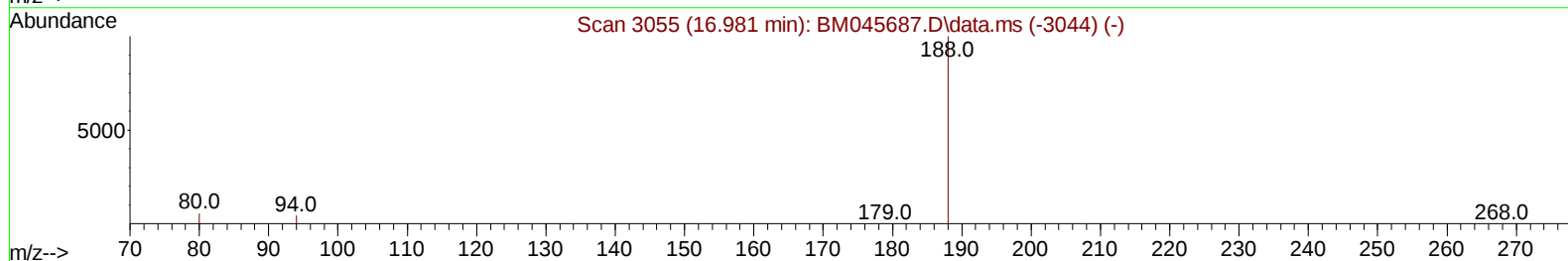
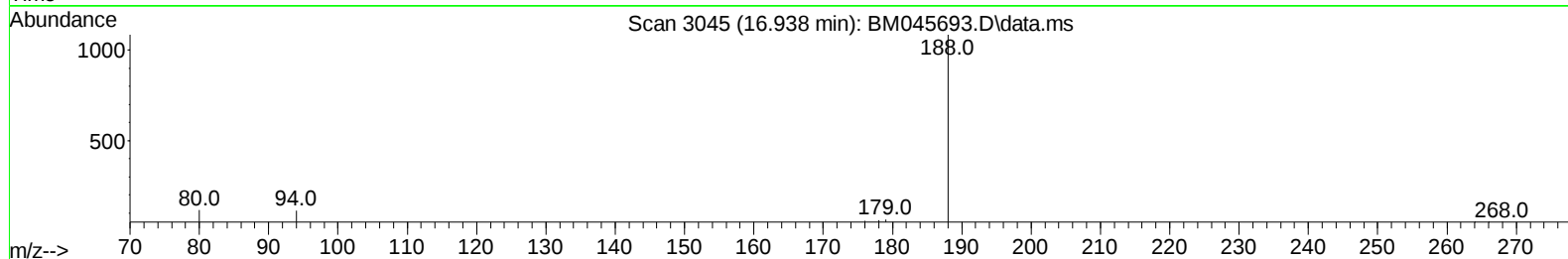
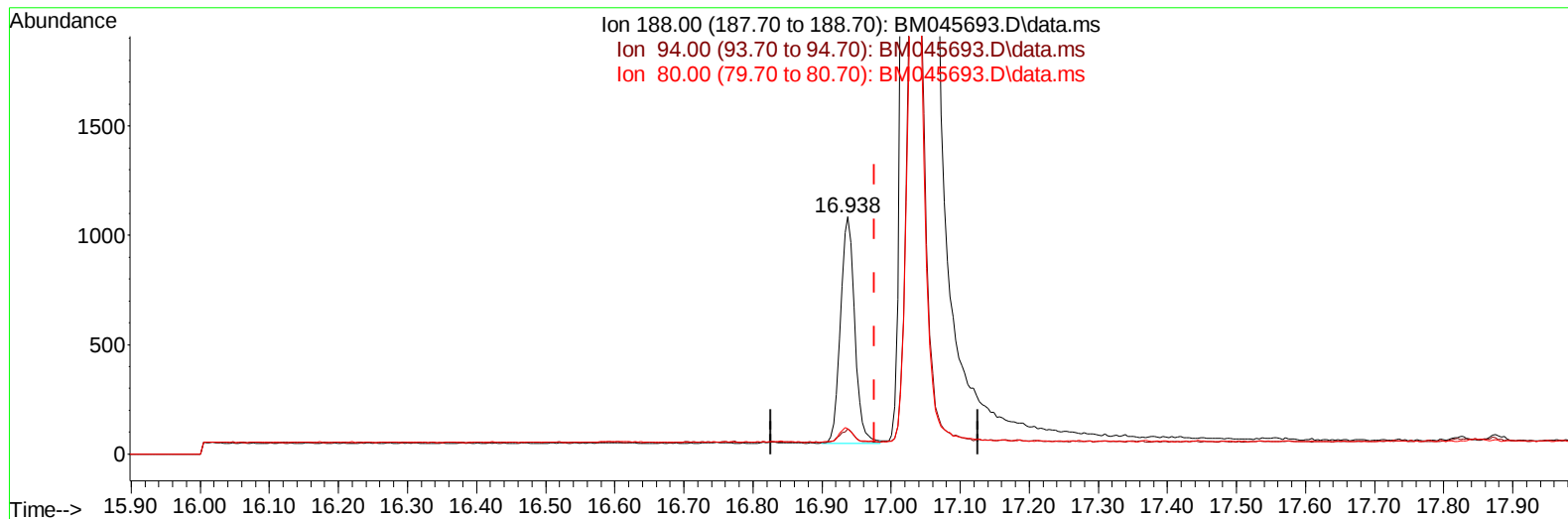
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
Data File : BM045693.D
Acq On : 03 May 2024 13:25
Operator : MA/JU
Sample : P2238-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E1CX5

Manual IntegrationsAPPROVED

Quant Time: May 03 14:18:14 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: BM045693.D\data.ms

(13) Phenanthrene-d10 (I)

16.938min (-0.039) 0.40 ng/ul m

response 1490

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	16.10	10.51#
80.00	15.50	10.60#
0.00	0.00	0.00

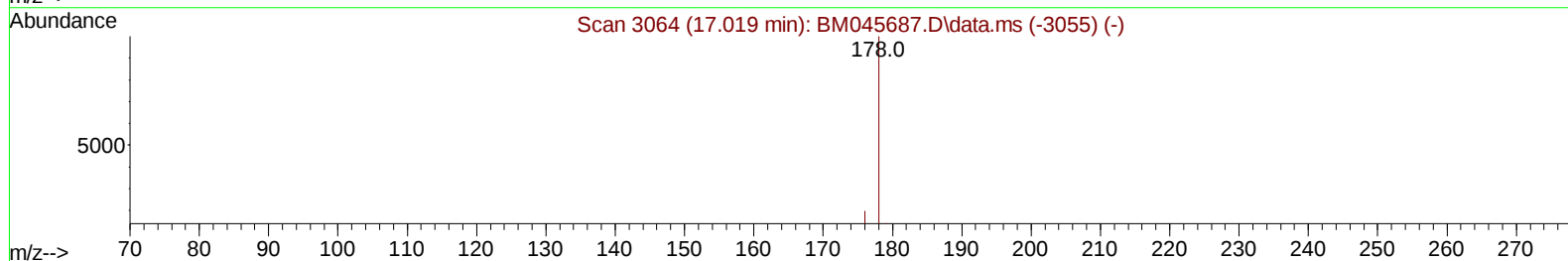
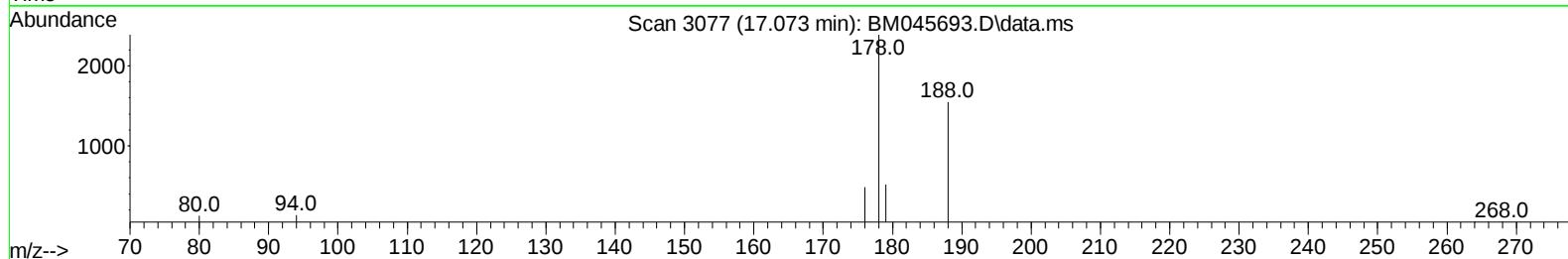
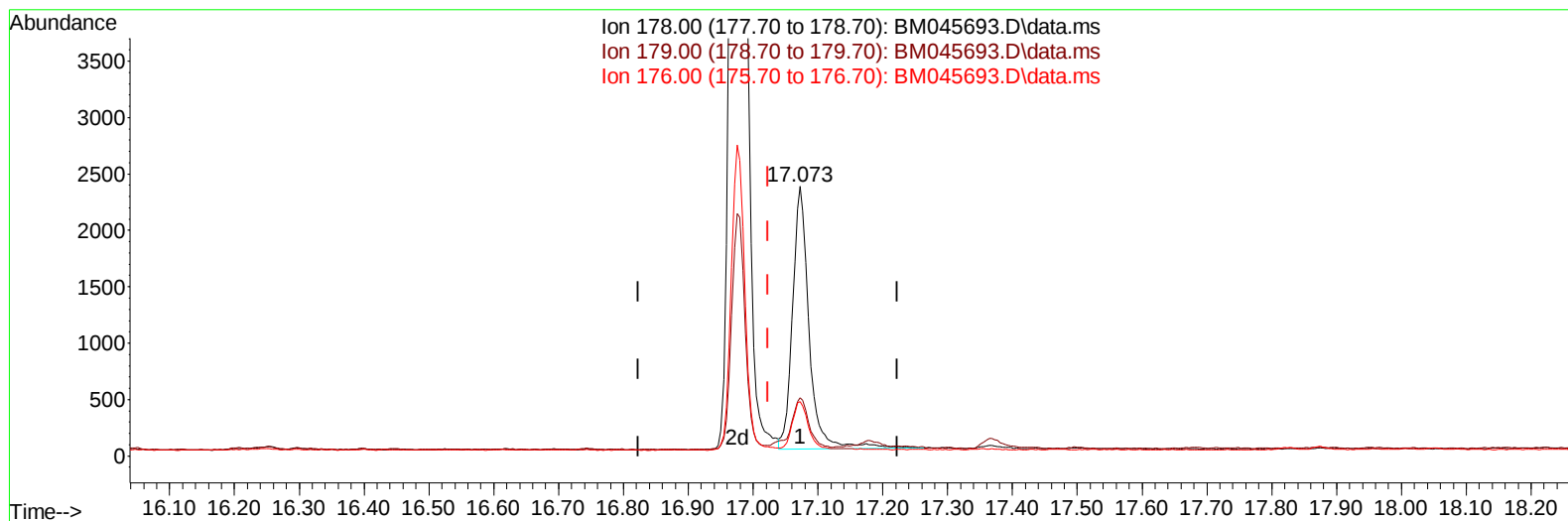
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
Data File : BM045693.D
Acq On : 03 May 2024 13:25
Operator : MA/JU
Sample : P2238-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E1CX5

Manual IntegrationsAPPROVED

Quant Time: May 03 14:18:14 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: BM045693.D\data.ms

(15) Phenanthrene

17.073min (+ 0.050) 1.12 ng/u1

response 4140

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	22.90	21.68
176.00	27.20	20.09#
0.00	0.00	0.00

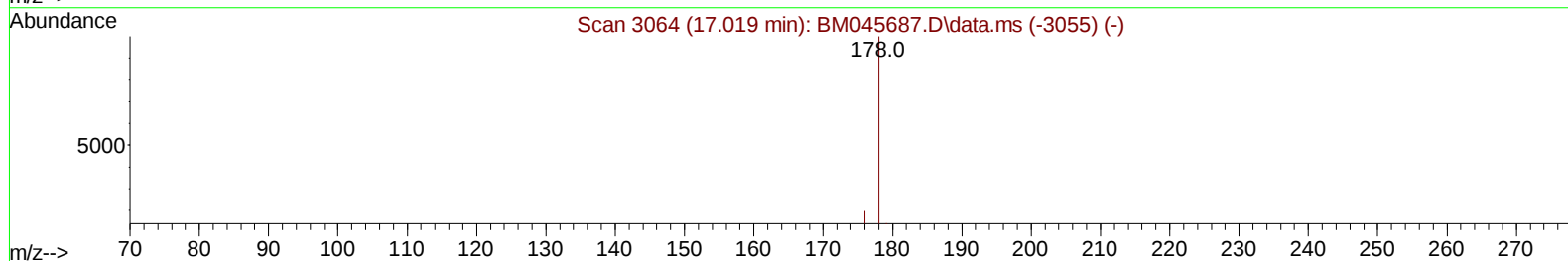
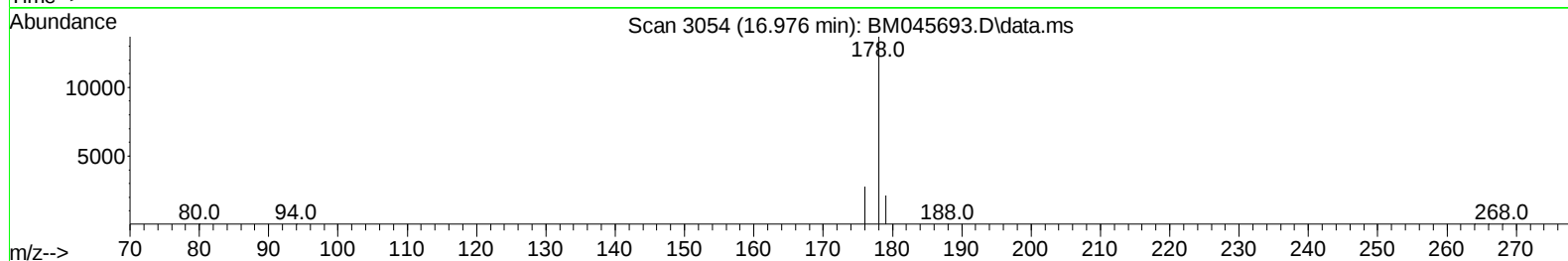
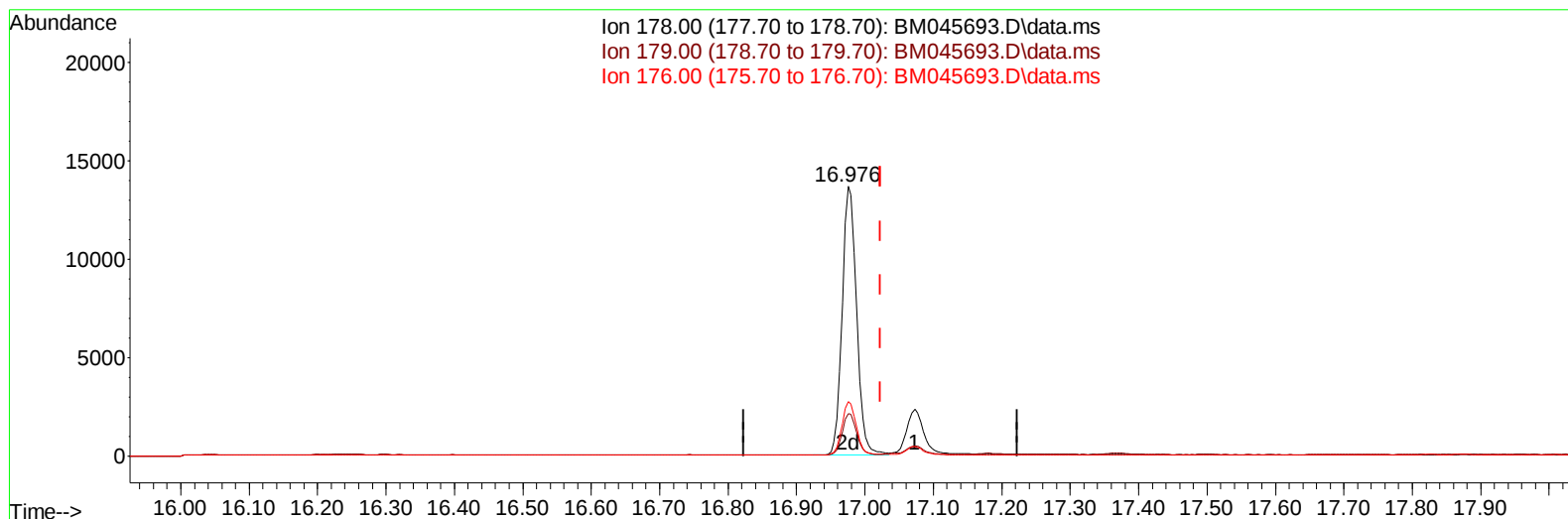
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
Data File : BM045693.D
Acq On : 03 May 2024 13:25
Operator : MA/JU
Sample : P2238-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E1CX5

Manual IntegrationsAPPROVED

Quant Time: May 03 14:18:14 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: BM045693.D\data.ms

(15) Phenanthrene

16.976min (-0.047) 5.37 ng/ul m

response 19891

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	22.90	15.72#
176.00	27.20	20.13#
0.00	0.00	0.00

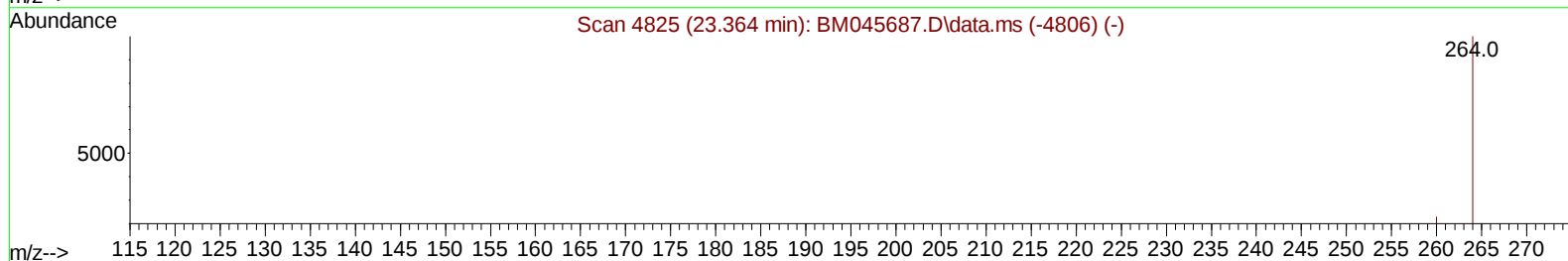
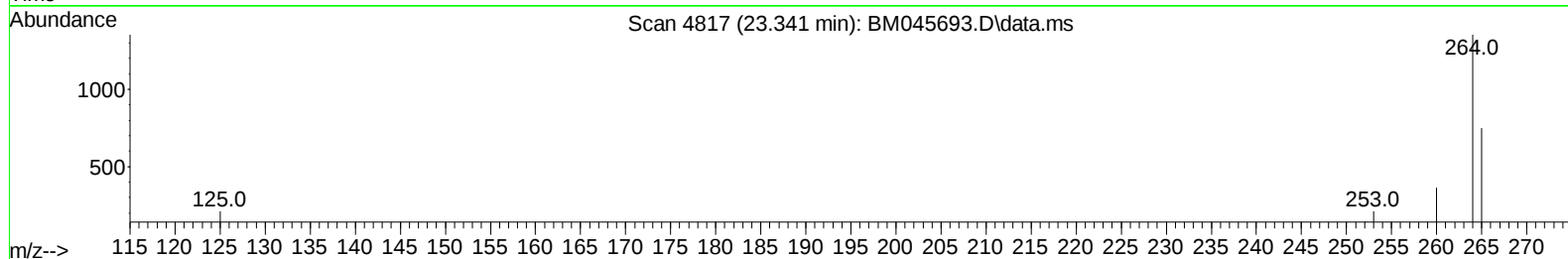
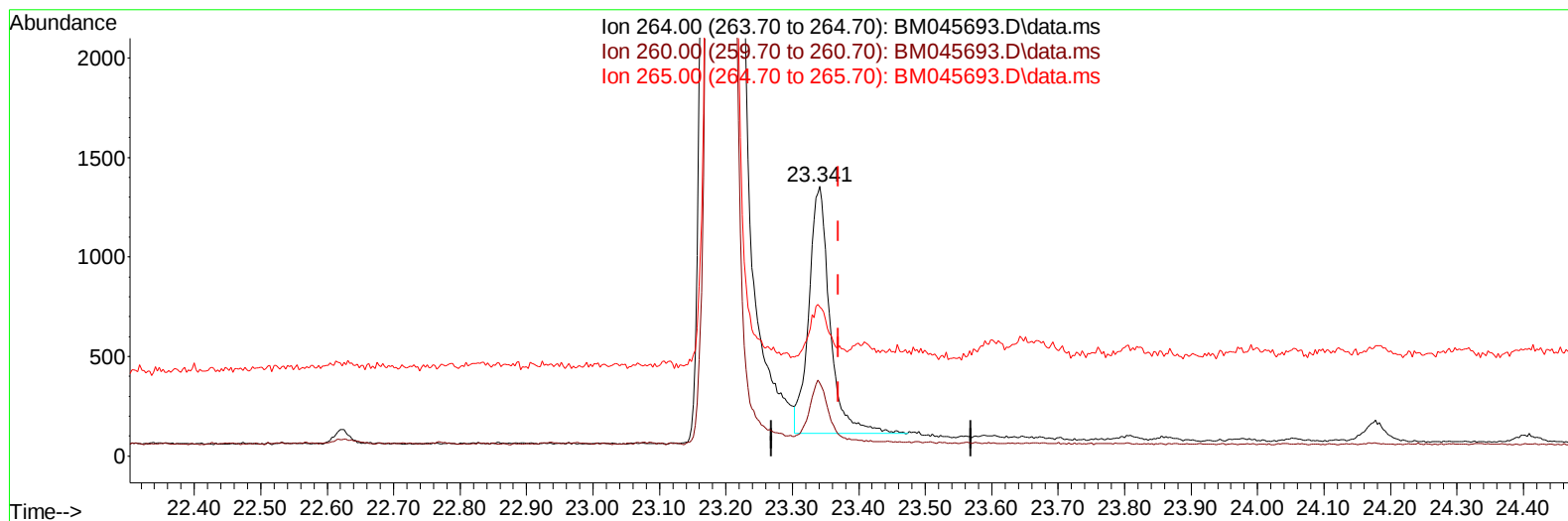
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
Data File : BM045693.D
Acq On : 03 May 2024 13:25
Operator : MA/JU
Sample : P2238-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E1CX5

Manual IntegrationsAPPROVED

Quant Time: May 03 14:18:14 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: BM045693.D\data.ms

(23) Perylene-d12 (I)

23.341min (-0.028) 0.40 ng/u1

response 2753

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	29.70	26.96
265.00	66.50	55.24
0.00	0.00	0.00

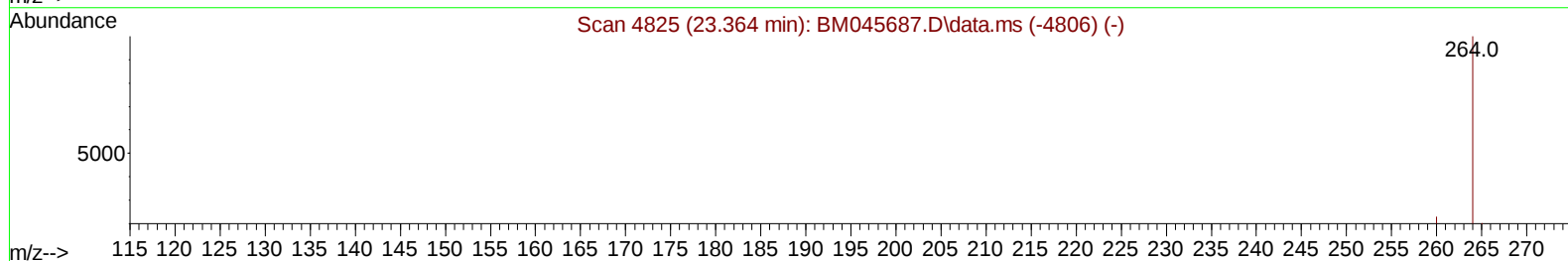
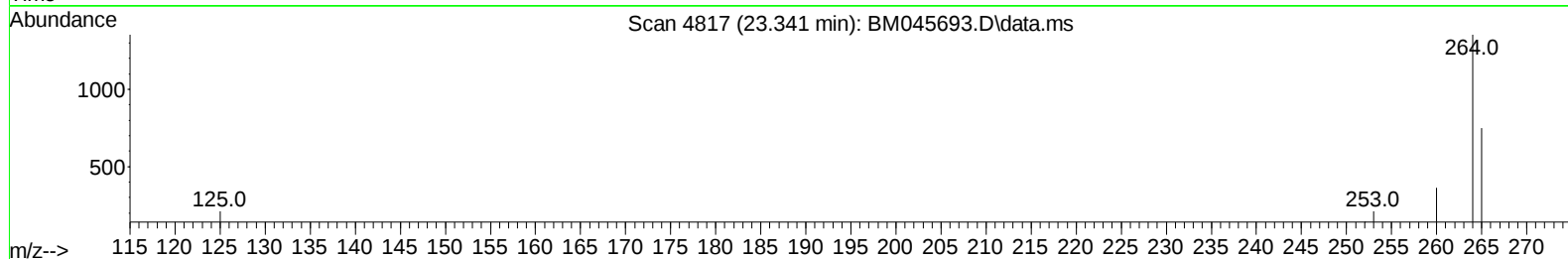
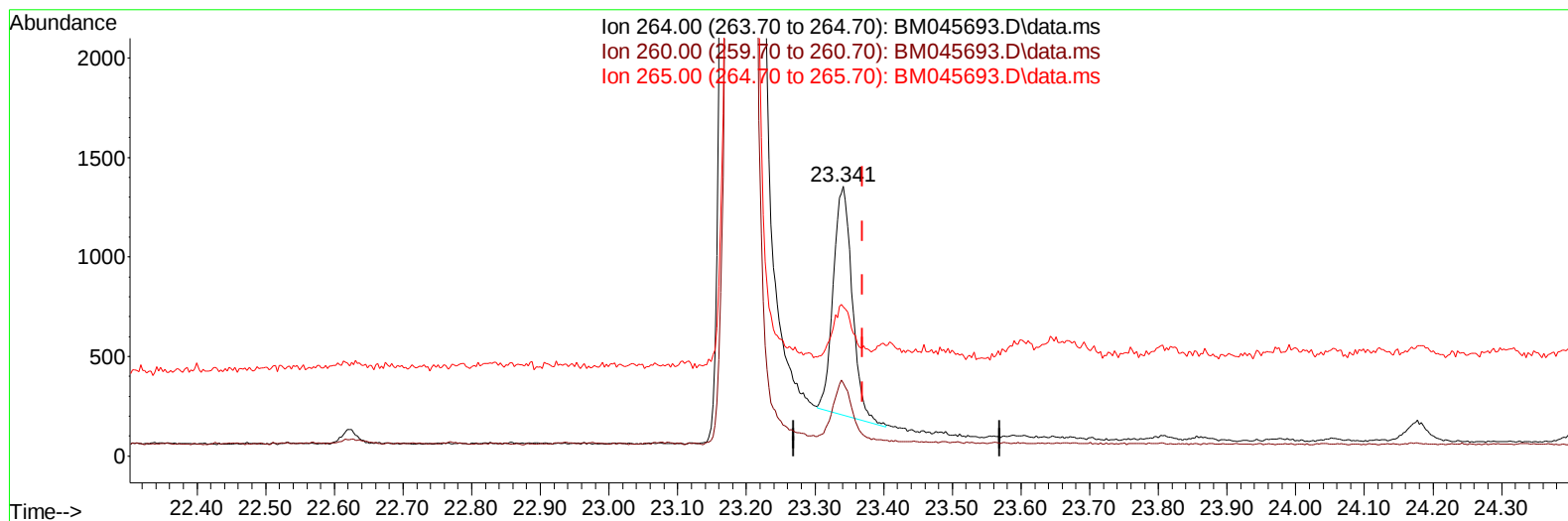
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
Data File : BM045693.D
Acq On : 03 May 2024 13:25
Operator : MA/JU
Sample : P2238-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E1CX5

Manual IntegrationsAPPROVED

Quant Time: May 03 14:18:14 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: BM045693.D\data.ms

(23) Perylene-d12 (I)

23.341min (-0.028) 0.40 ng/ul m

response 2203

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	29.70	26.96
265.00	66.50	55.24
0.00	0.00	0.00

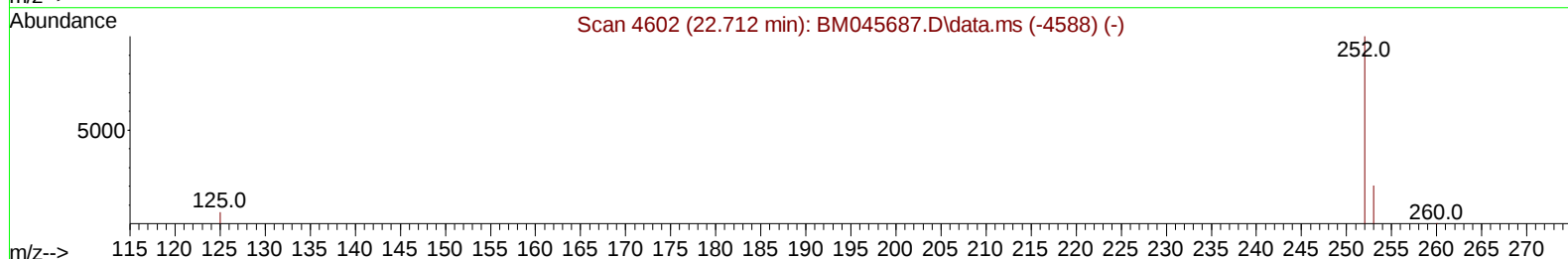
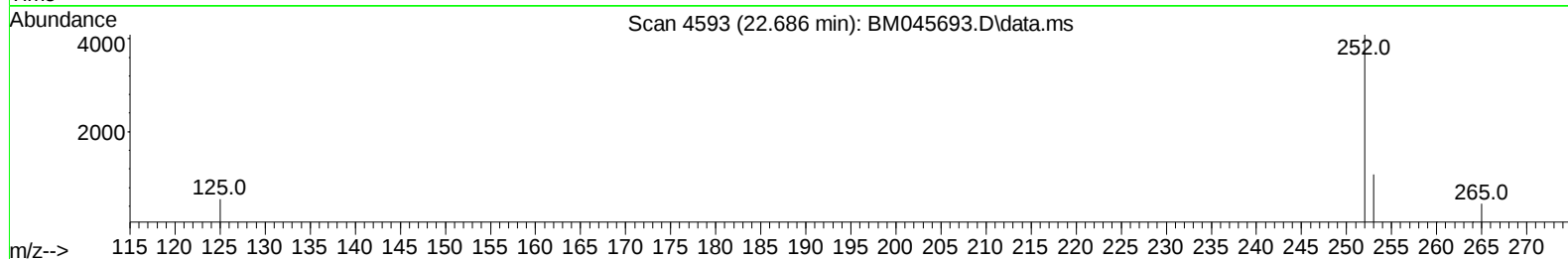
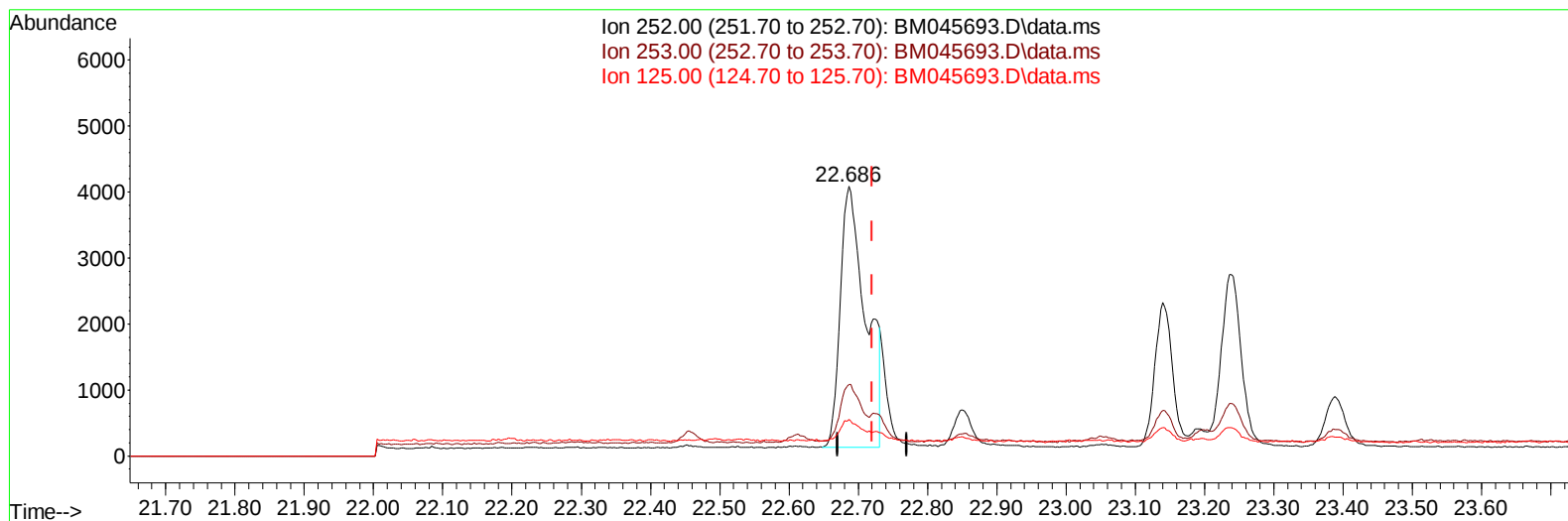
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
Data File : BM045693.D
Acq On : 03 May 2024 13:25
Operator : MA/JU
Sample : P2238-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E1CX5

Manual IntegrationsAPPROVED

Quant Time: May 03 14:18:14 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: BM045693.D\data.ms

(24) Benzo(b)fluoranthene

22.686min (-0.034) 1.62 ng/u1

response 9968

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	33.60	26.67
125.00	14.00	13.57
0.00	0.00	0.00

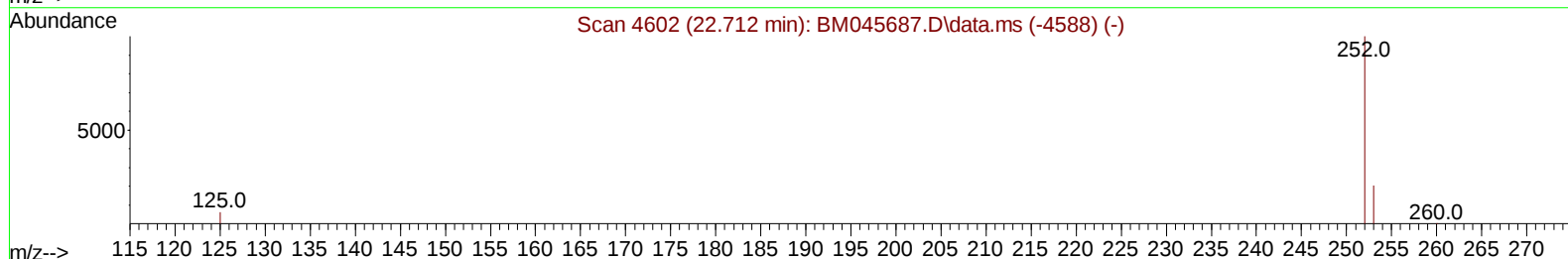
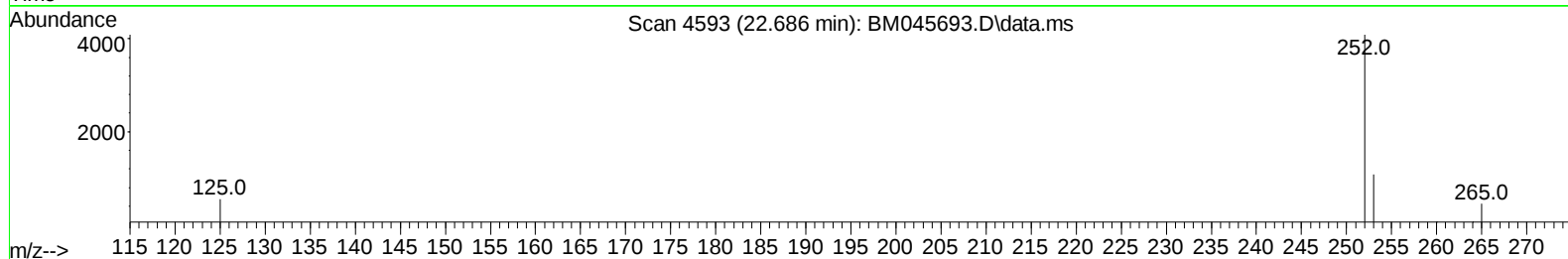
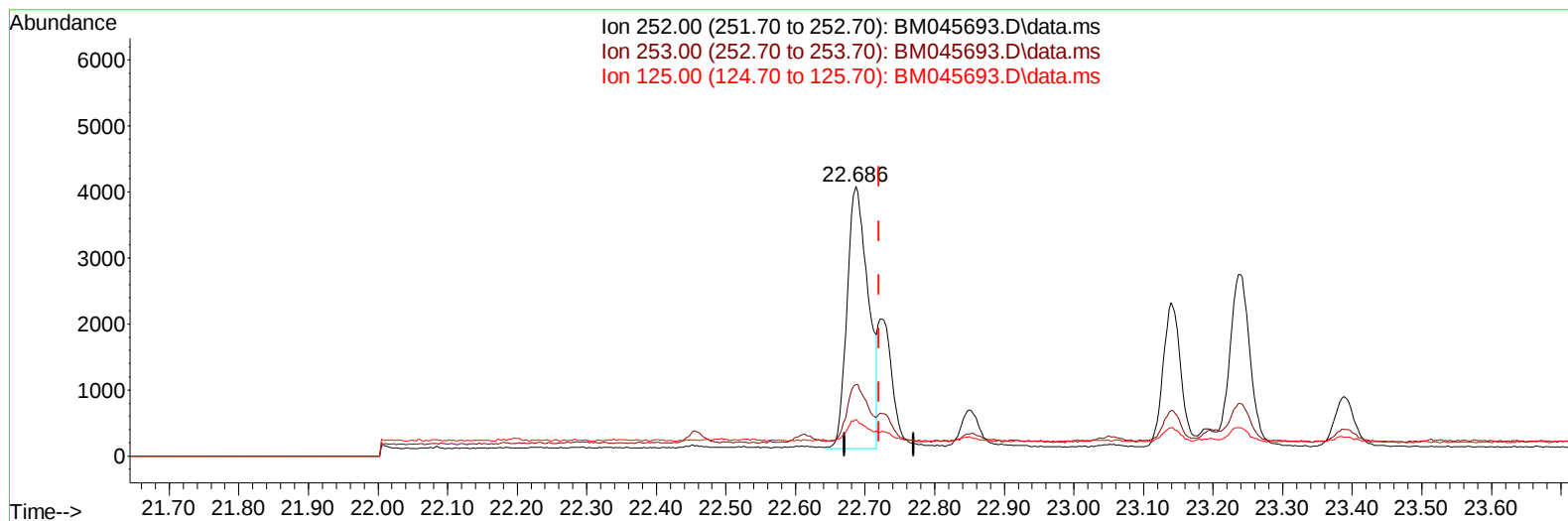
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
Data File : BM045693.D
Acq On : 03 May 2024 13:25
Operator : MA/JU
Sample : P2238-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E1CX5

Manual IntegrationsAPPROVED

Quant Time: May 03 14:18:14 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: BM045693.D\data.ms

(24) Benzo(b)fluoranthene

22.686min (-0.034) 1.37 ng/ul m

response 8411

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	33.60	26.67
125.00	14.00	13.57
0.00	0.00	0.00

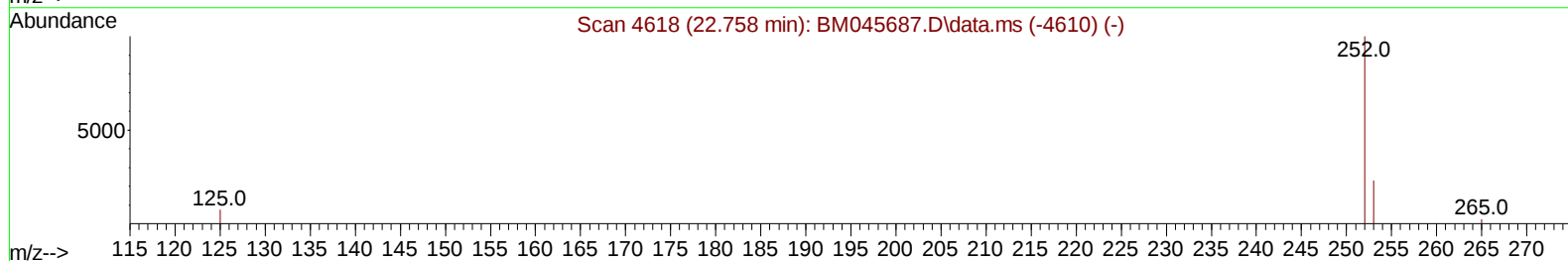
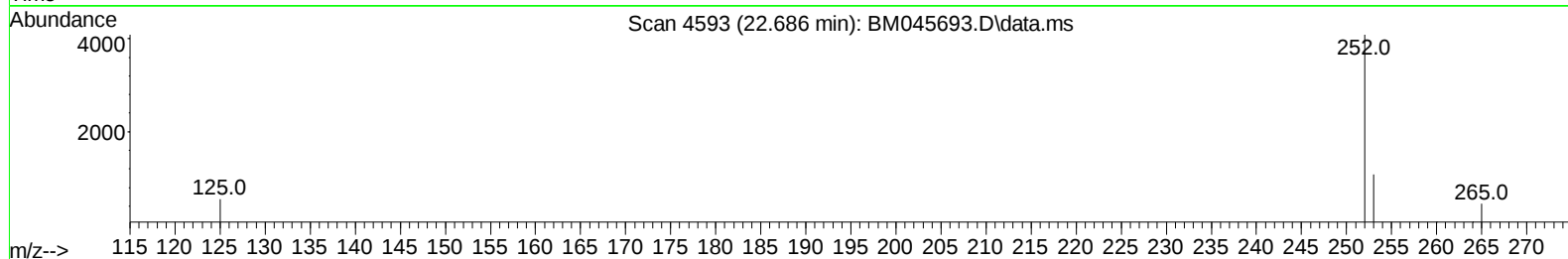
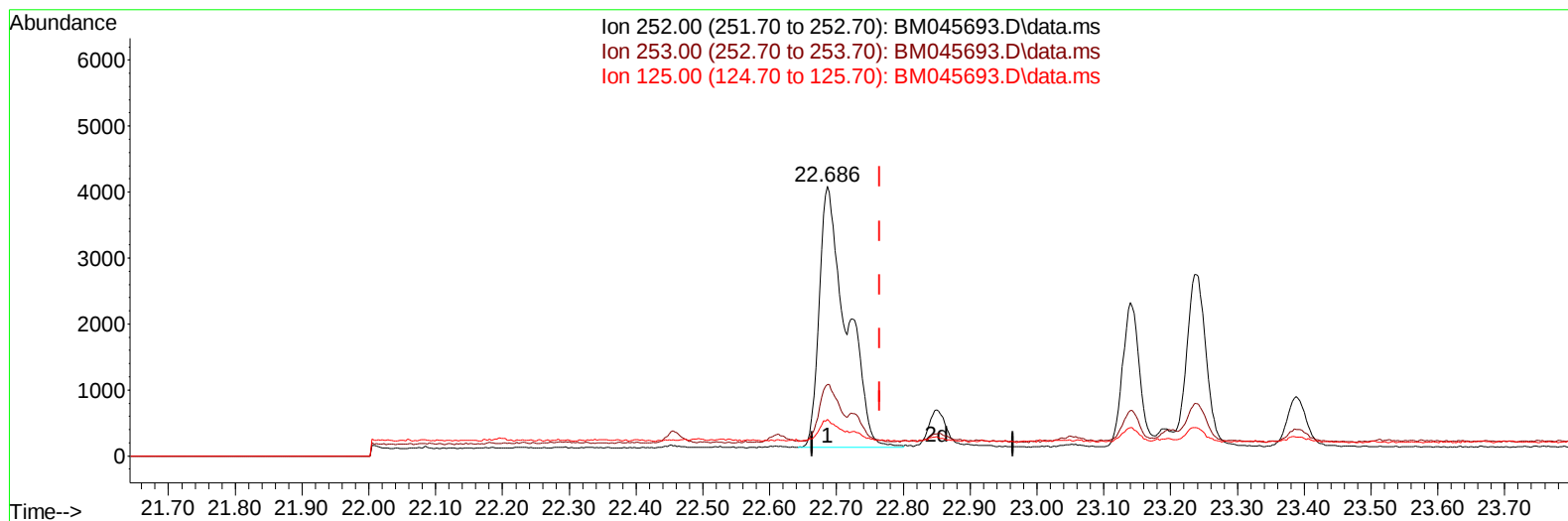
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
Data File : BM045693.D
Acq On : 03 May 2024 13:25
Operator : MA/JU
Sample : P2238-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E1CX5

Manual IntegrationsAPPROVED

Quant Time: May 03 14:18:14 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: BM045693.D\data.ms

(25) Benzo(k)fluoranthene

22.686min (-0.078) 1.48 ng/u1

response 11207

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.70	26.67#
125.00	14.90	13.57
0.00	0.00	0.00

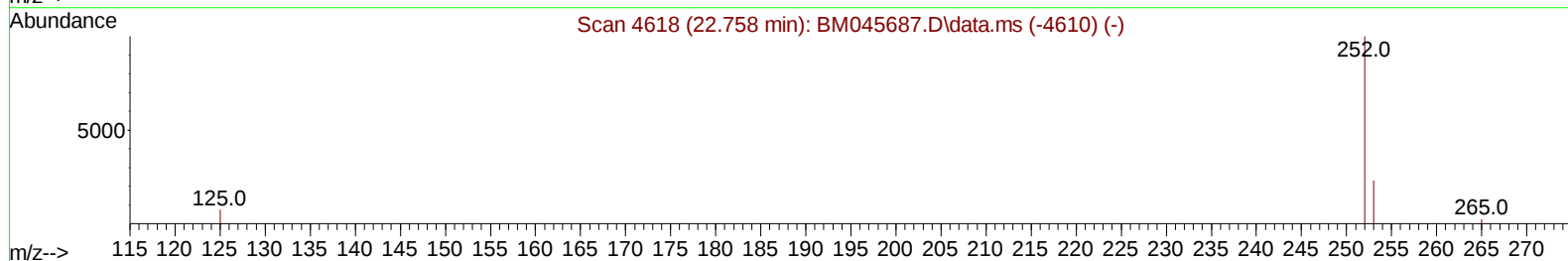
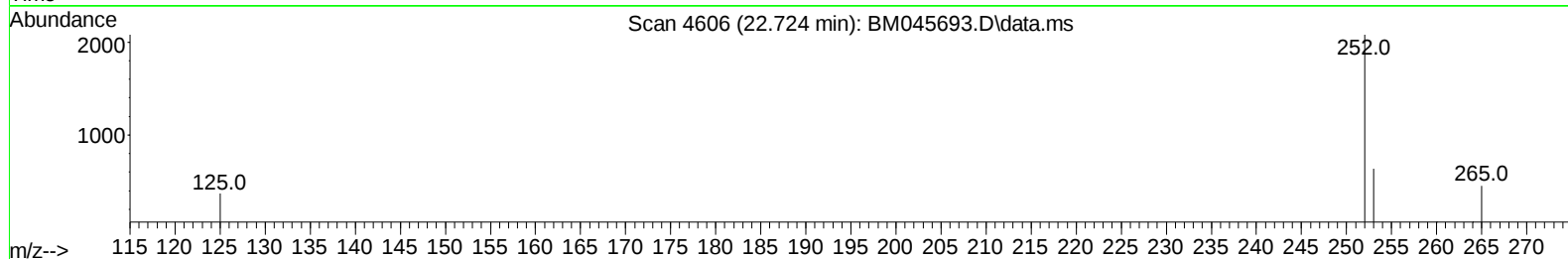
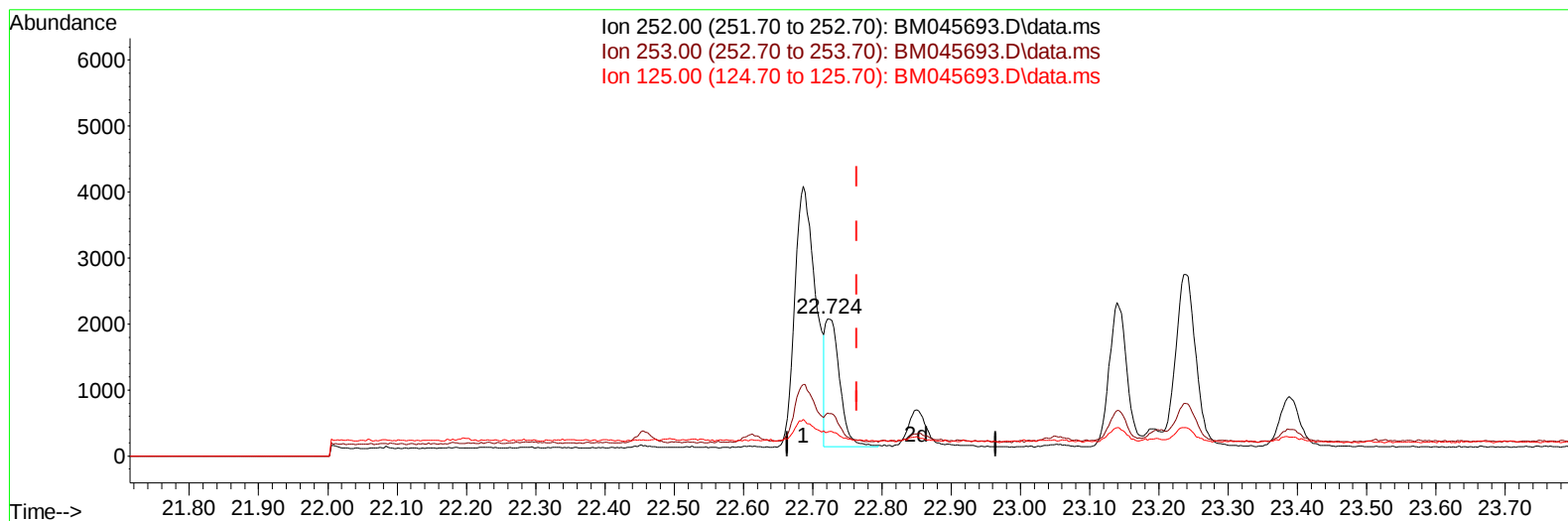
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
Data File : BM045693.D
Acq On : 03 May 2024 13:25
Operator : MA/JU
Sample : P2238-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E1CX5

Manual IntegrationsAPPROVED

Quant Time: May 03 14:18:14 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: BM045693.D\data.ms

(25) Benzo(k)fluoranthene

22.724min (-0.040) 0.37 ng/ul m

response 2841

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.70	30.77
125.00	14.90	17.74
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
 Data File : BM045693.D
 Acq On : 03 May 2024 13:25
 Operator : MA/JU
 Sample : P2238-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E1CX5

Manual IntegrationsAPPROVED

Quant Time: May 03 14:18:14 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.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.521	152		310	0.400	ng/ul	#-0.05
4) Naphthalene-d8	10.292	136		939	0.400	ng/ul	#-0.05
9) Acenaphthene-d10	14.173	164		647	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.938	188		1490m	0.400	ng/ul	-0.04
17) Chrysene-d12	21.161	240		1805	0.400	ng/ul	-0.03
23) Perylene-d12	23.341	264		2203m	0.400	ng/ul	-0.03
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.142	96		1018	2.900	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.898	152		308	0.208	ng/ul	-0.05
18) Fluoranthene-d10	18.983	212		1011	0.223	ng/ul	-0.03
Target Compounds							Qvalue
5) Naphthalene	10.342	128		1046	0.437	ng/ul#	75
7) 2-Methylnaphthalene	11.975	142		506	0.349	ng/ul	99
8) 1-Methylnaphthalene	12.195	142		260	0.162	ng/ul	96
10) Acenaphthylene	13.890	152		422	0.155	ng/ul#	89
11) Acenaphthene	14.237	153		1598	0.793	ng/ul	94
12) Fluorene	15.237	166		941	0.403	ng/ul#	95
15) Phenanthrene	16.976	178		19891m	5.375	ng/ul	
16) Anthracene	17.073	178		3783	1.053	ng/ul#	87
19) Fluoranthene	19.010	202		18102	3.156	ng/ul#	84
20) Pyrene	19.373	202		13505	2.214	ng/ul#	86
21) Benzo(a)anthracene	21.146	228		6023	1.143	ng/ul	94
22) Chrysene	21.196	228		5785	0.776	ng/ul	95
24) Benzo(b)fluoranthene	22.686	252		8411m	1.371	ng/ul	
25) Benzo(k)fluoranthene	22.724	252		2841m	0.374	ng/ul	
26) Benzo(a)pyrene	23.236	252		5277	0.776	ng/ul#	86
27) Indeno(1,2,3-cd)pyrene	25.508	276		3901	0.416	ng/ul#	95
28) Dibenzo(a,h)anthracene	25.515	278		973	0.130	ng/ul#	80
29) Benzo(g,h,i)perylene	26.169	276		3918	0.472	ng/ul#	89

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
Data File : BM045693.D
Acq On : 03 May 2024 13:25
Operator : MA/JU
Sample : P2238-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E1CX5

Manual IntegrationsAPPROVED

Quant Time: May 03 14:18:14 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

