

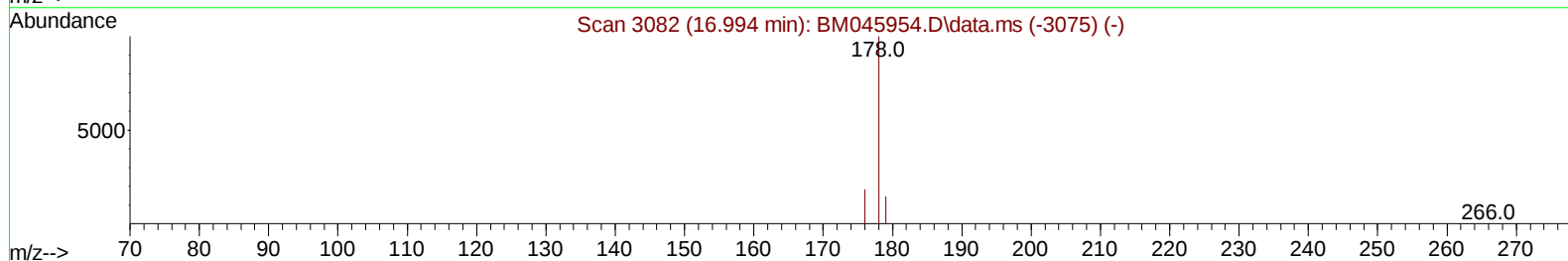
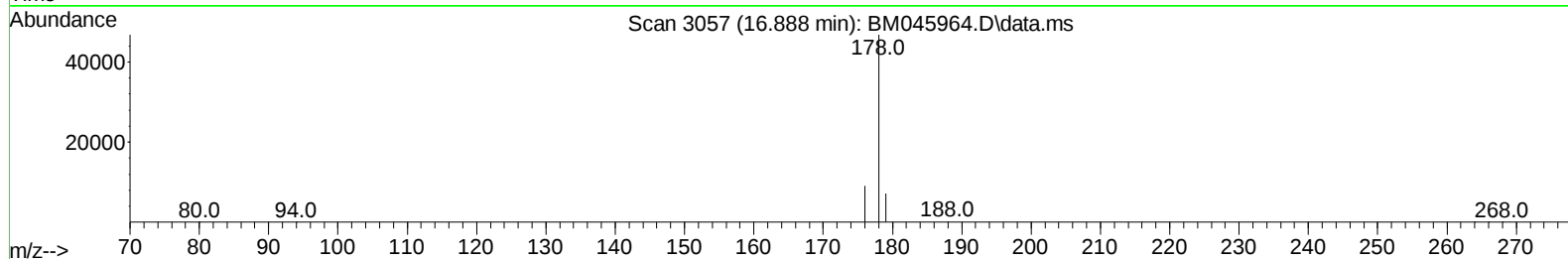
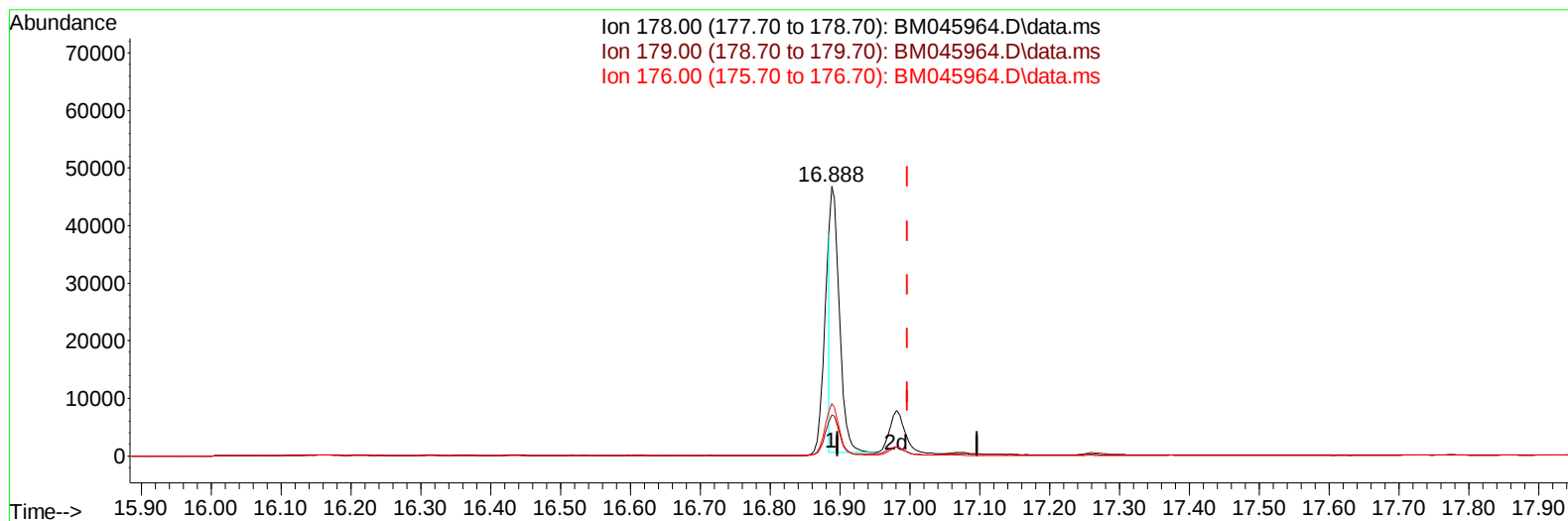
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045964.D
Acq On : 10 Jun 2024 23:11
Operator : MA/JU
Sample : P2642-14DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH7DL

Manual IntegrationsAPPROVED

Quant Time: Jun 10 23:44:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 22:47:12 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045964.D\data.ms

(16) Anthracene

16.888min (-0.108) 1.12 ng/u1

response 40938

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	15.31
176.00	19.40	19.55
0.00	0.00	0.00

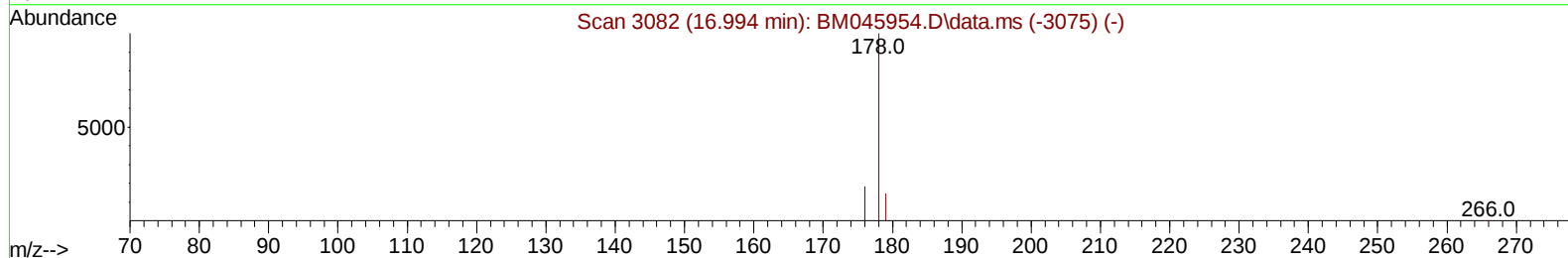
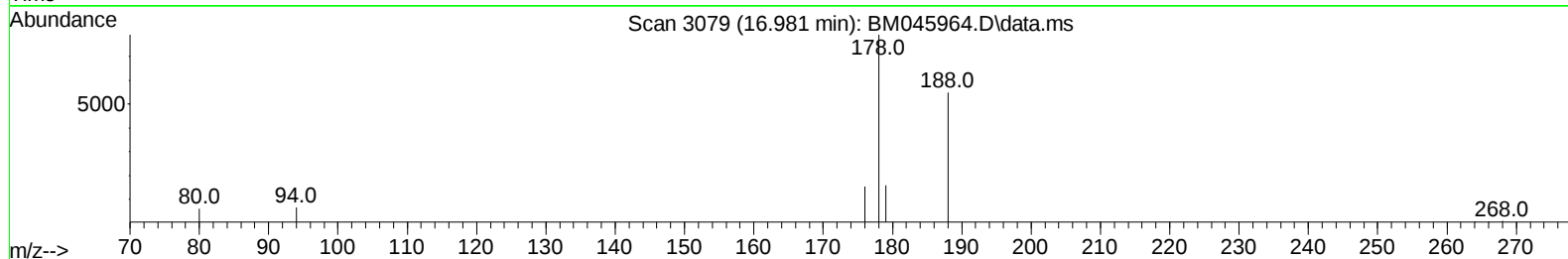
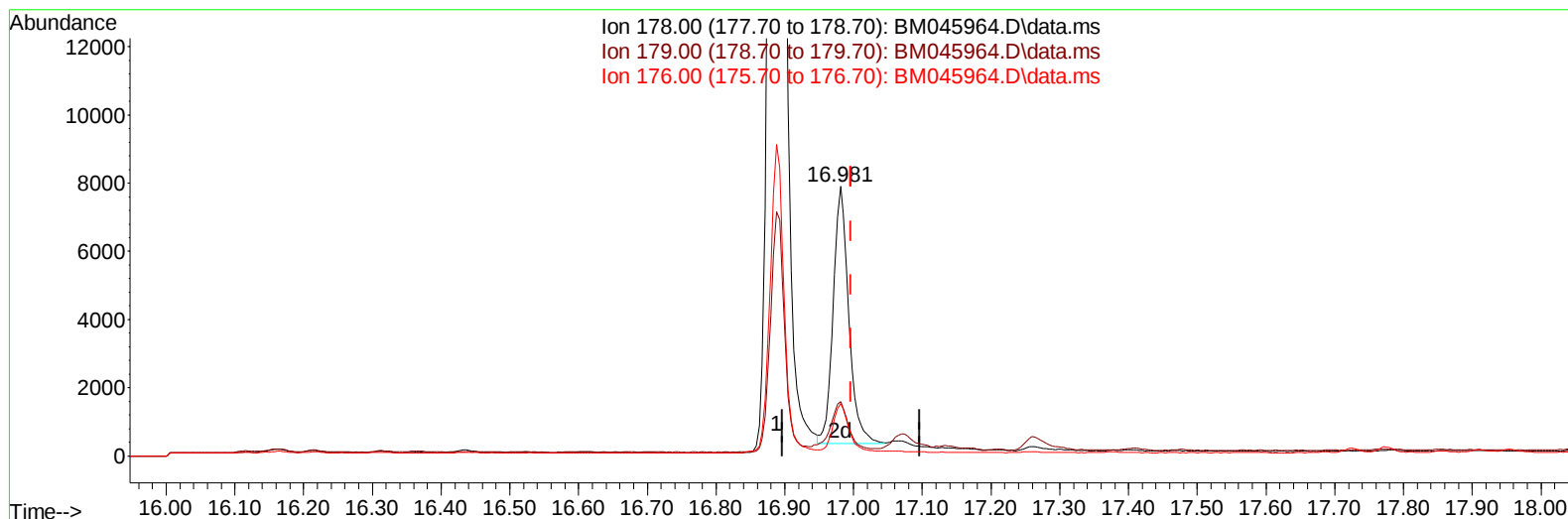
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045964.D
Acq On : 10 Jun 2024 23:11
Operator : MA/JU
Sample : P2642-14DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH7DL

Manual IntegrationsAPPROVED

Quant Time: Jun 10 23:44:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 22:47:12 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045964.D\data.ms

(16) Anthracene

16.981min (-0.016) 0.32 ng/u1 m

response 11768

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	20.13#
176.00	19.40	19.37
0.00	0.00	0.00

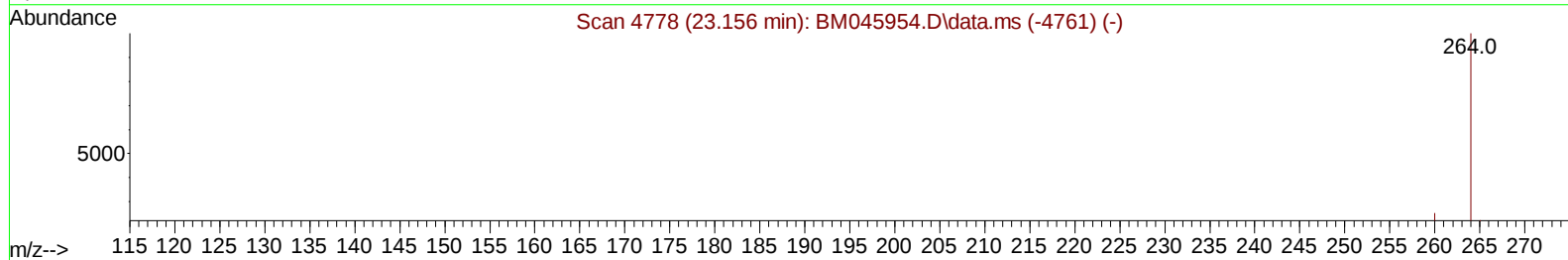
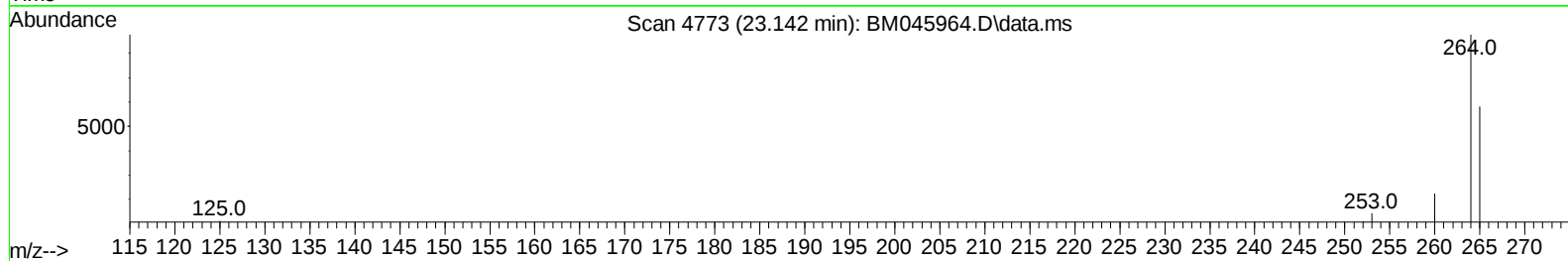
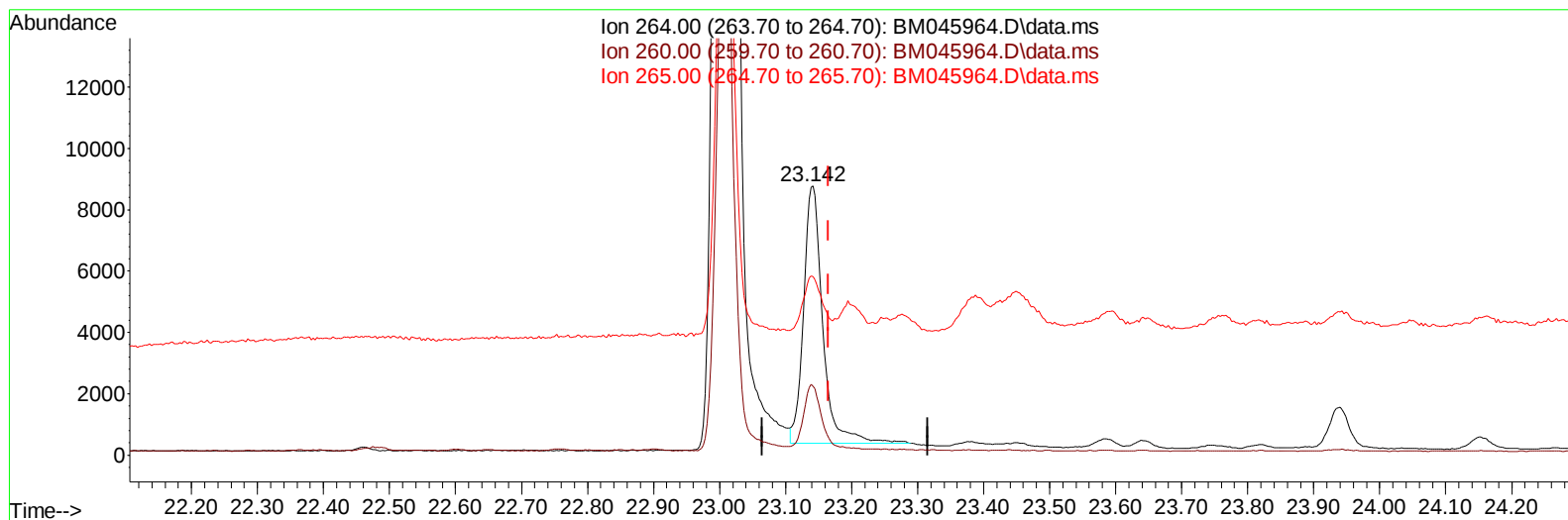
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045964.D
Acq On : 10 Jun 2024 23:11
Operator : MA/JU
Sample : P2642-14DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH7DL

Manual IntegrationsAPPROVED

Quant Time: Jun 10 23:44:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 22:47:12 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045964.D\data.ms

(23) Perylene-d12 (I)

23.142min (-0.024) 0.40 ng/u1

response 16990

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	25.60
265.00	76.60	66.42
0.00	0.00	0.00

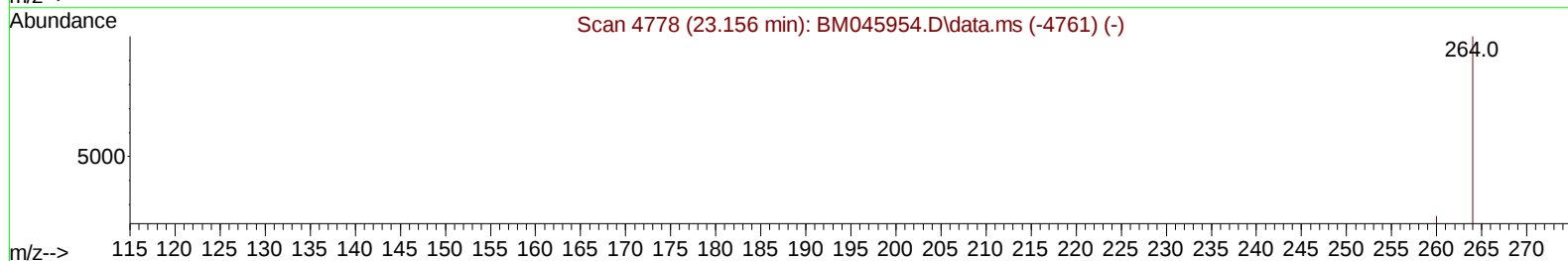
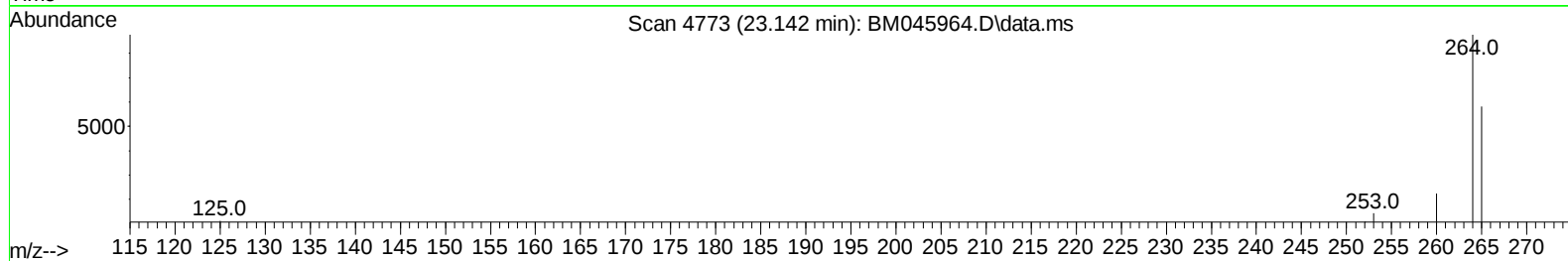
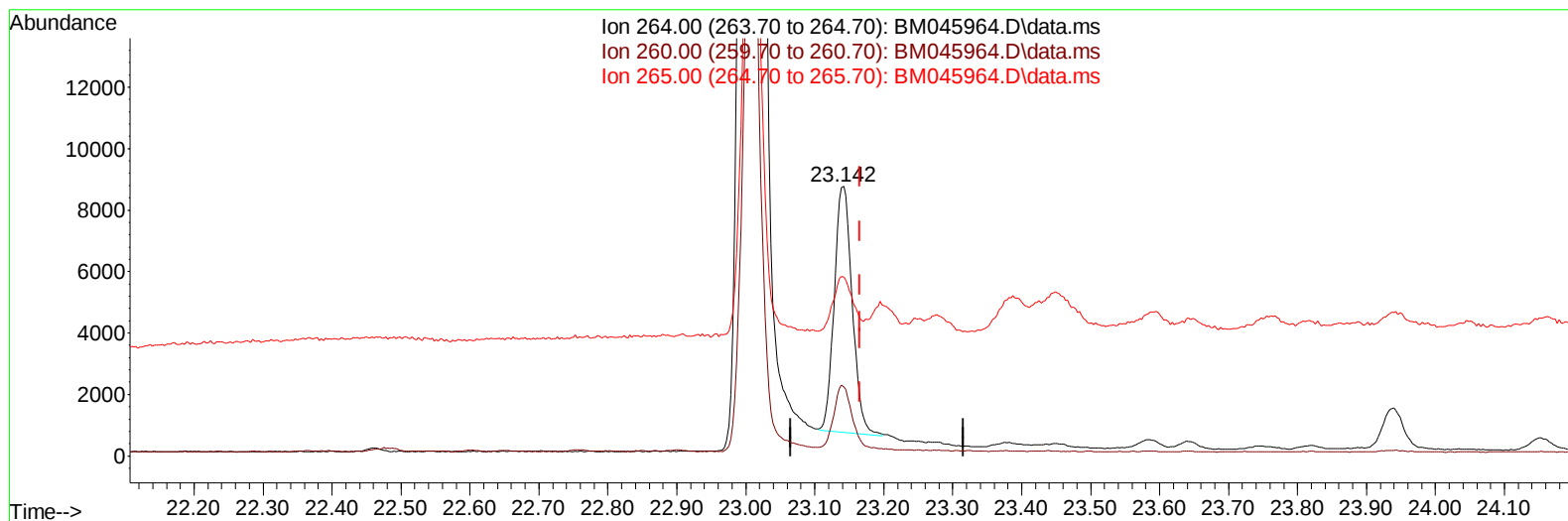
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
 Data File : BM045964.D
 Acq On : 10 Jun 2024 23:11
 Operator : MA/JU
 Sample : P2642-14DL 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BH7DL

Manual IntegrationsAPPROVED

Quant Time: Jun 10 23:44:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 10 22:47:12 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/11/2024
 Supervised By :mohammad ahmed 06/13/2024



TIC: BM045964.D\data.ms

(23) Perylene-d12 (I)

23.142min (-0.024) 0.40 ng/ul m

response 14391

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	25.60
265.00	76.60	66.42
0.00	0.00	0.00

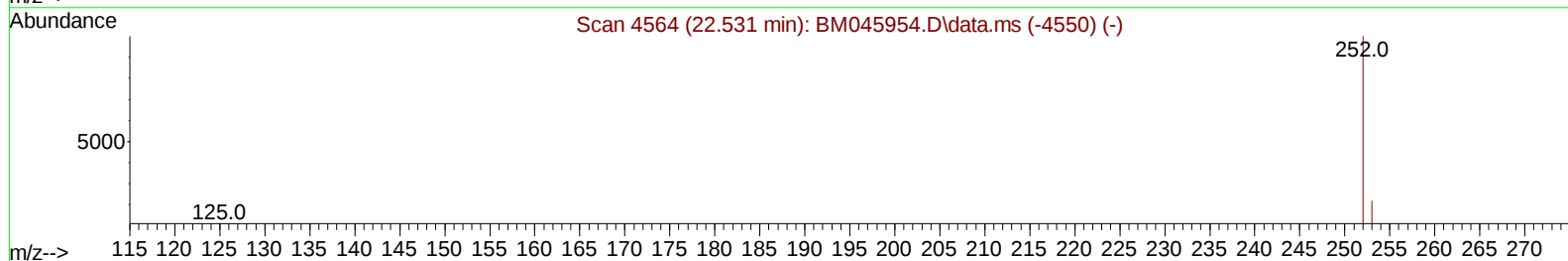
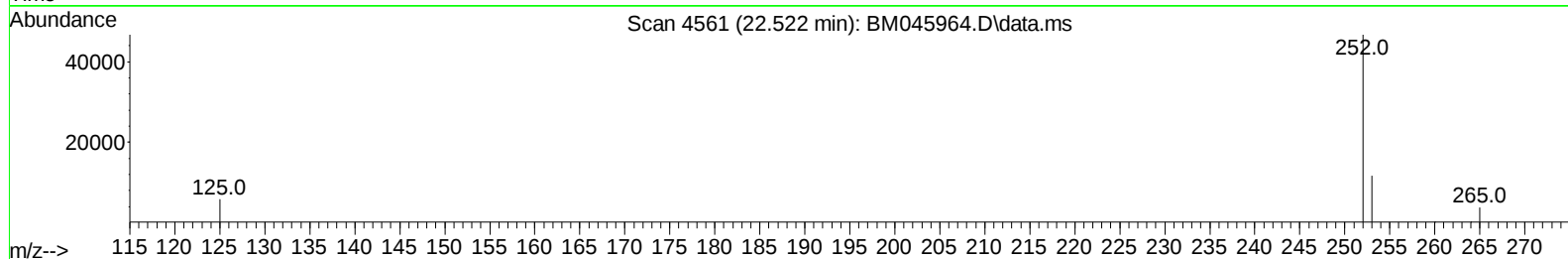
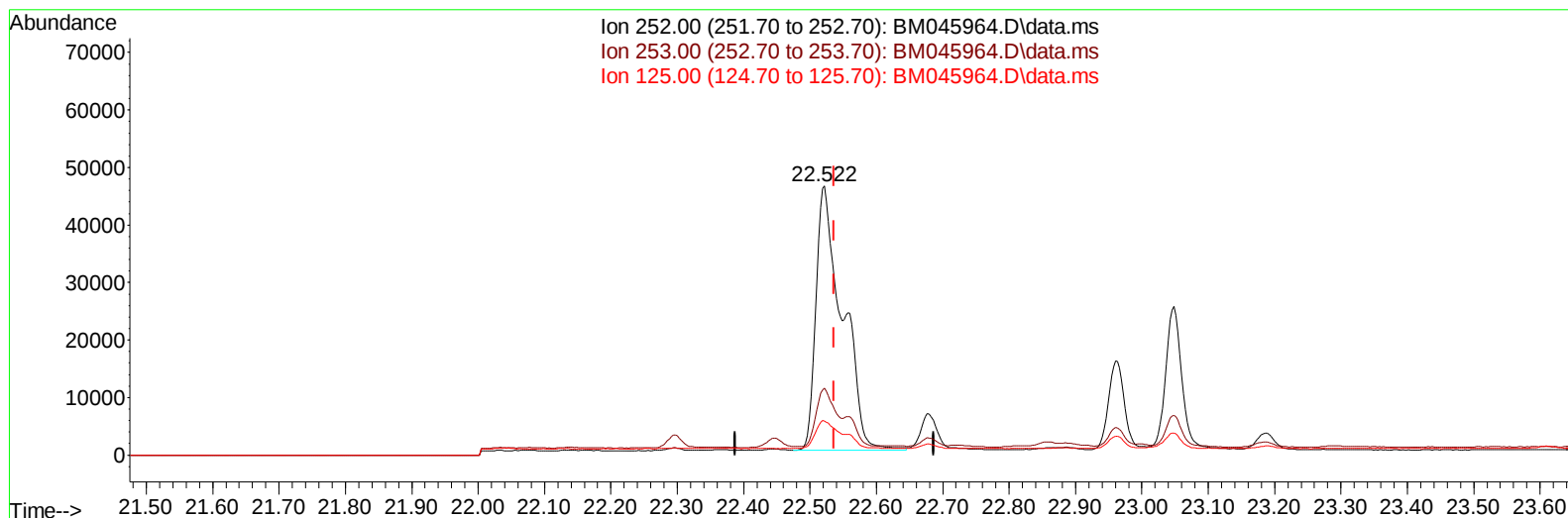
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045964.D
Acq On : 10 Jun 2024 23:11
Operator : MA/JU
Sample : P2642-14DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH7DL

Manual IntegrationsAPPROVED

Quant Time: Jun 10 23:44:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 22:47:12 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045964.D\data.ms

(24) Benzo(b)fluoranthene

22.522min (-0.015) 2.67 ng/u1

response 127500

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	24.82
125.00	17.90	12.54
0.00	0.00	0.00

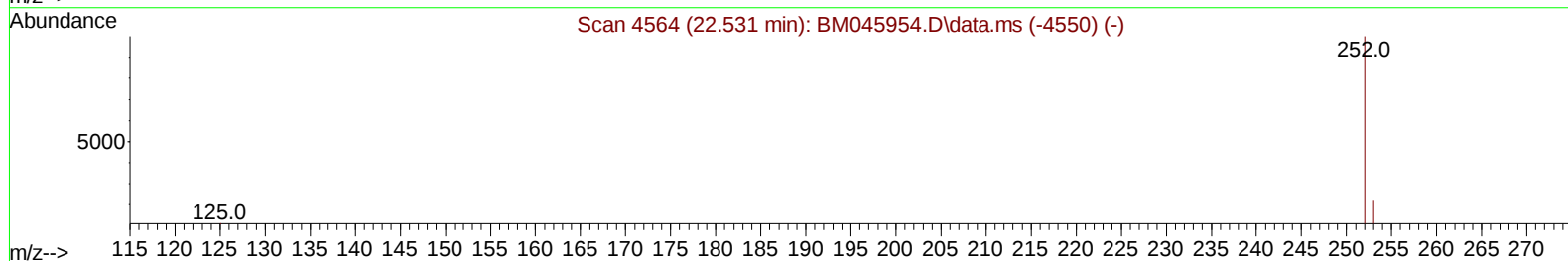
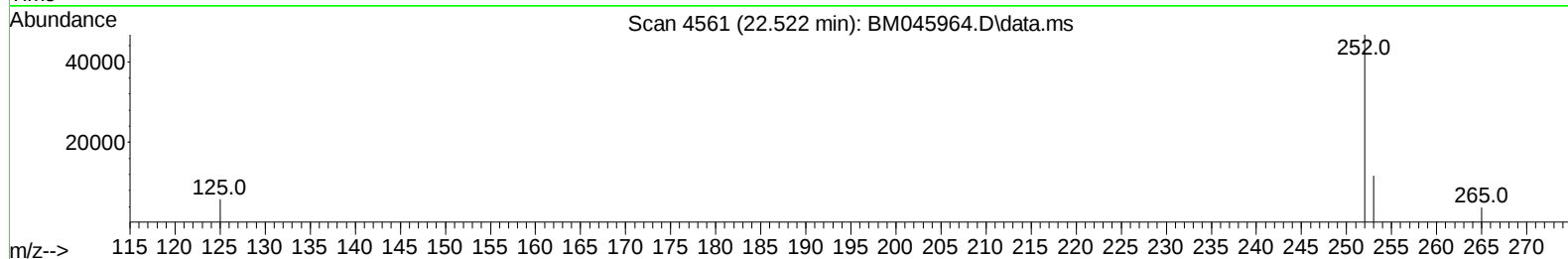
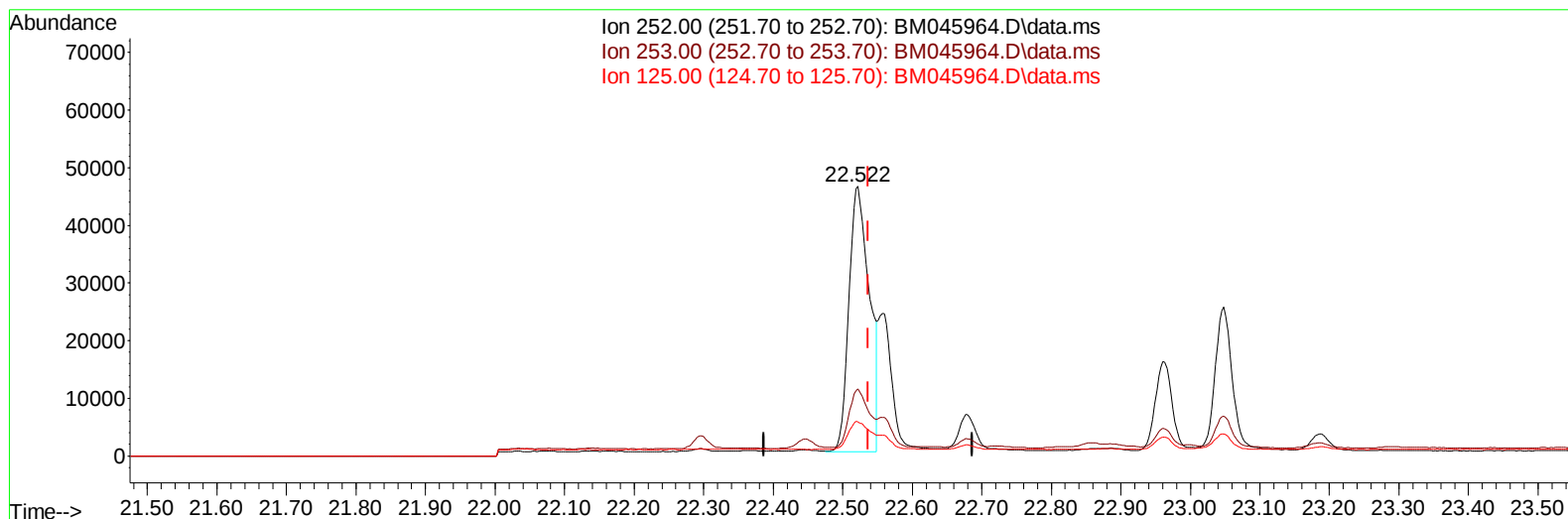
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045964.D
Acq On : 10 Jun 2024 23:11
Operator : MA/JU
Sample : P2642-14DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH7DL

Manual IntegrationsAPPROVED

Quant Time: Jun 10 23:44:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 22:47:12 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045964.D\data.ms

(24) Benzo(b)fluoranthene

22.522min (-0.015) 1.97 ng/u1 m

response 93859

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	24.82
125.00	17.90	12.54
0.00	0.00	0.00

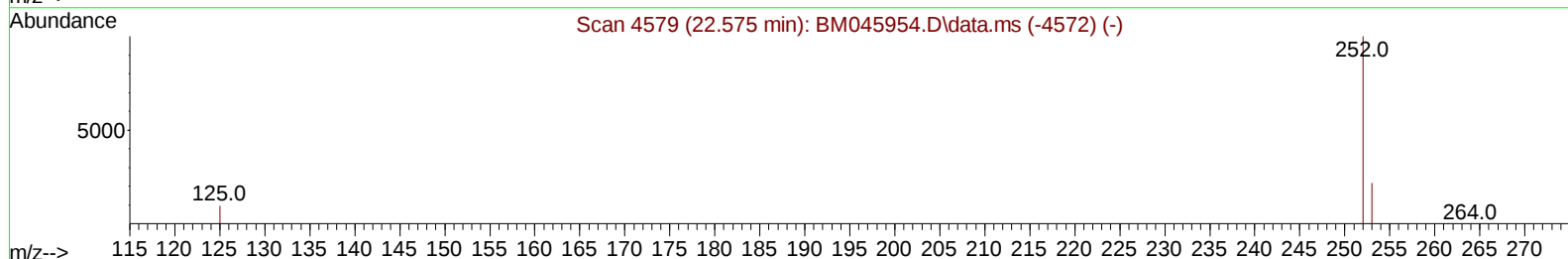
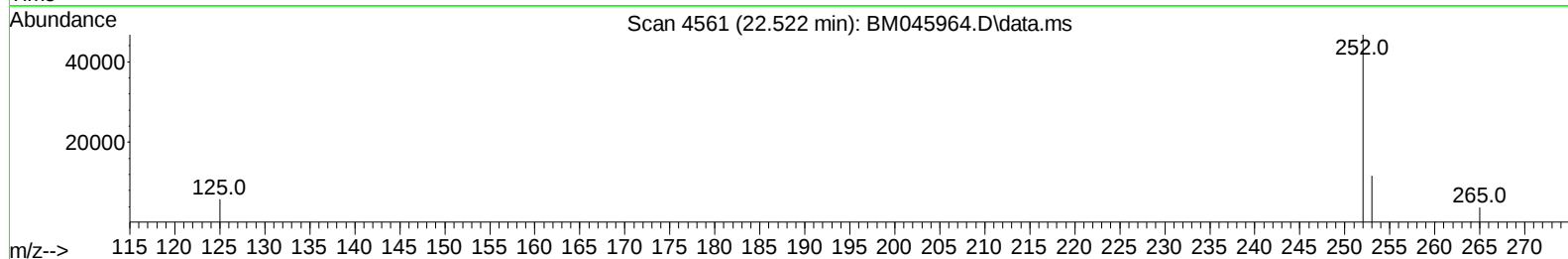
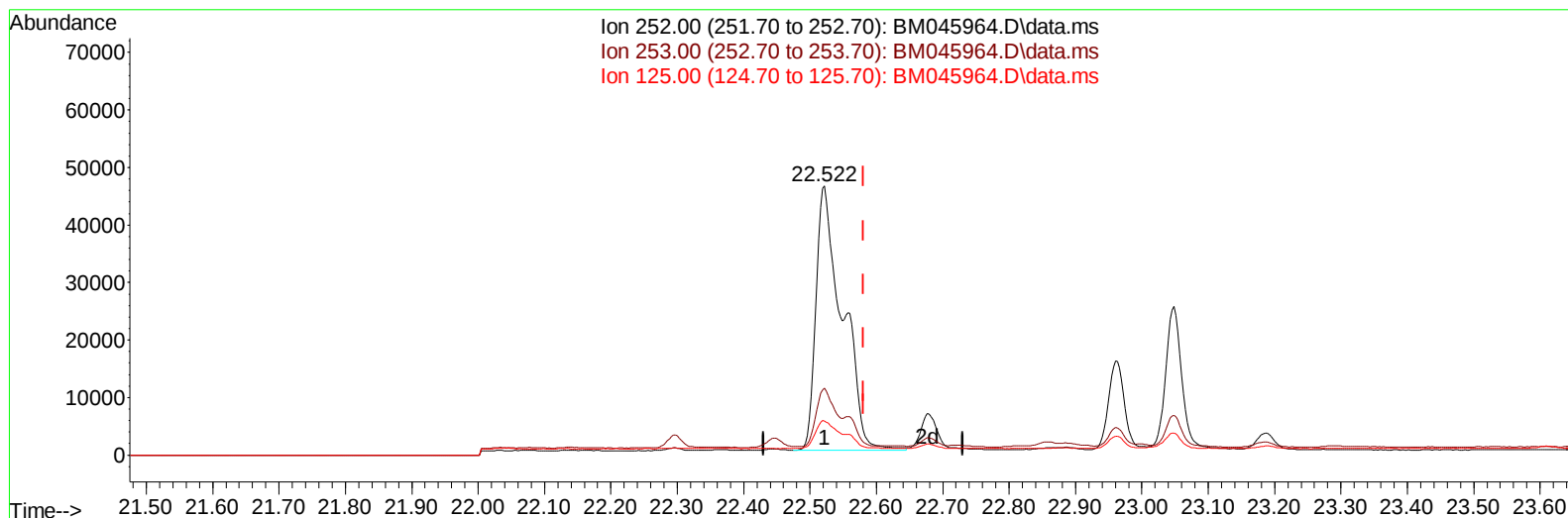
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045964.D
Acq On : 10 Jun 2024 23:11
Operator : MA/JU
Sample : P2642-14DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH7DL

Manual IntegrationsAPPROVED

Quant Time: Jun 10 23:44:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 22:47:12 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045964.D\data.ms

(25) Benzo(k)fluoranthene

22.522min (-0.059) 2.43 ng/u1

response 127500

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	24.82#
125.00	17.70	12.54#
0.00	0.00	0.00

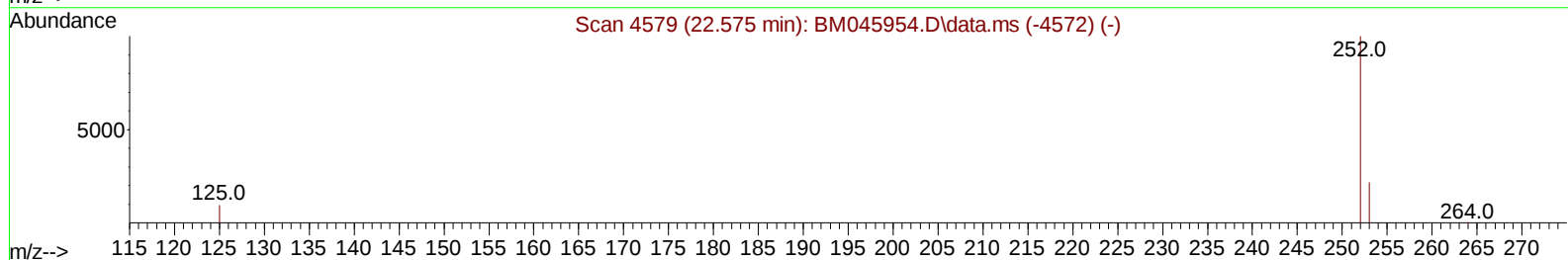
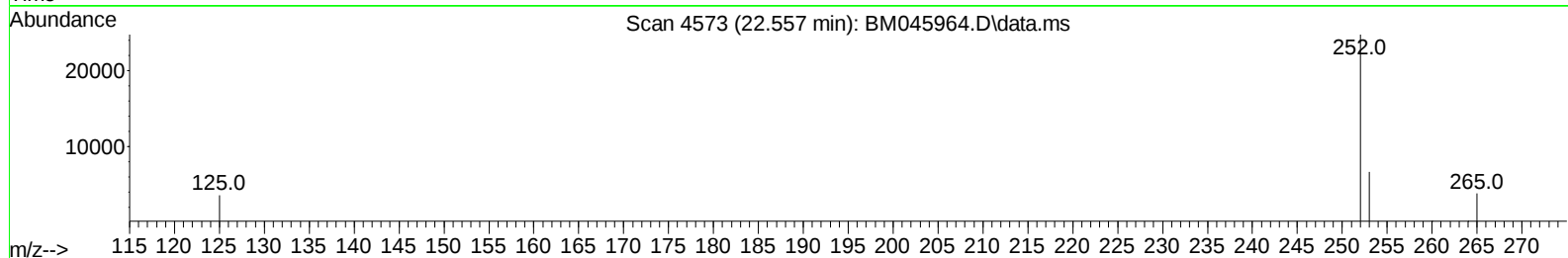
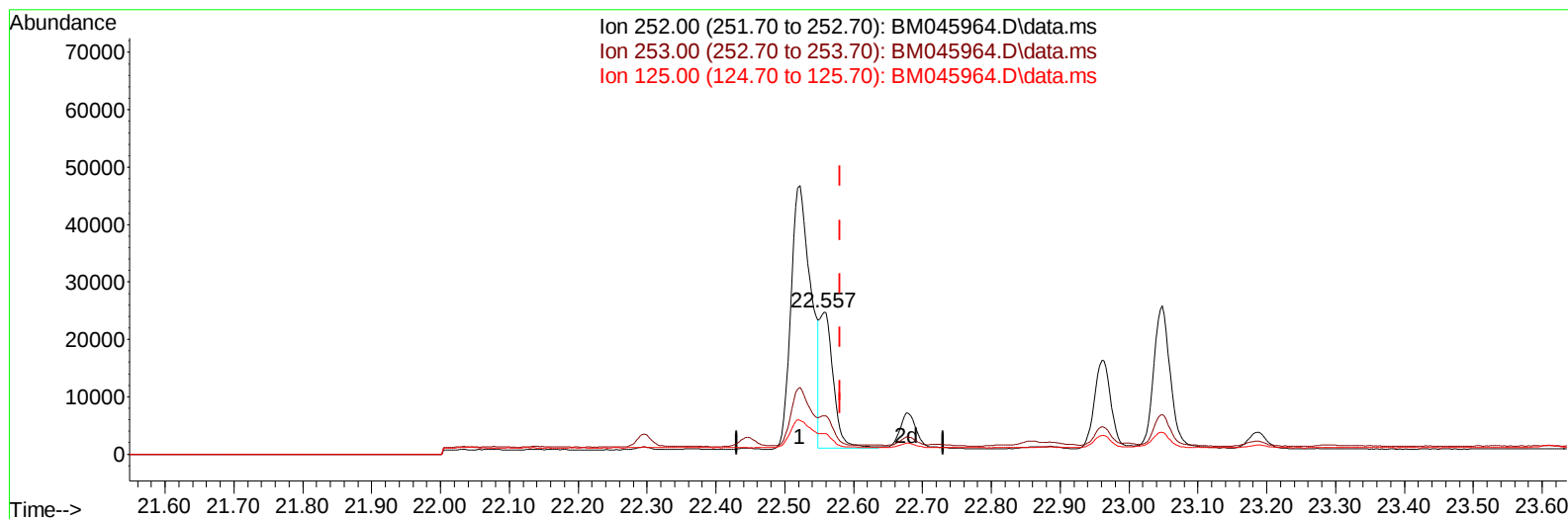
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045964.D
Acq On : 10 Jun 2024 23:11
Operator : MA/JU
Sample : P2642-14DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH7DL

Manual IntegrationsAPPROVED

Quant Time: Jun 10 23:44:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 22:47:12 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045964.D\data.ms

(25) Benzo(k)fluoranthene

22.557min (-0.024) 0.62 ng/u1 m

response 32612

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	26.91
125.00	17.70	14.54
0.00	0.00	0.00

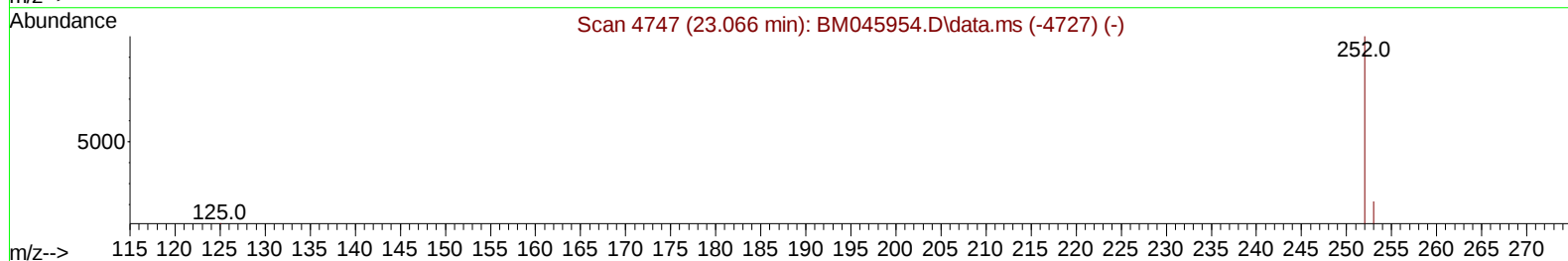
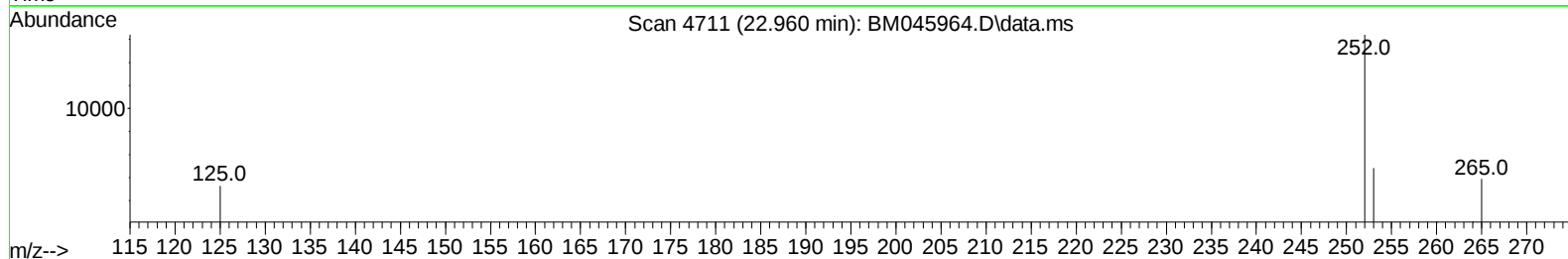
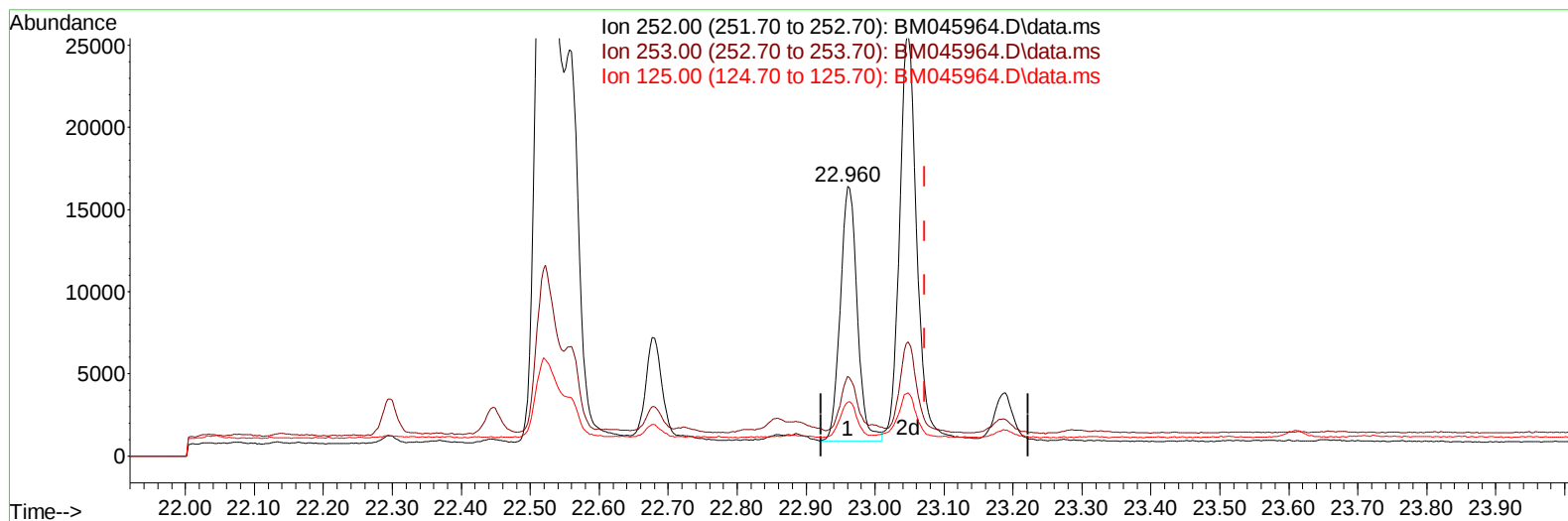
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045964.D
Acq On : 10 Jun 2024 23:11
Operator : MA/JU
Sample : P2642-14DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH7DL

Manual IntegrationsAPPROVED

Quant Time: Jun 10 23:44:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 22:47:12 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045964.D\data.ms

(26) Benzo(a)pyrene (C)

22.960min (-0.112) 0.56 ng/u1

response 26369

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	36.00	29.54
125.00	21.60	20.03
0.00	0.00	0.00

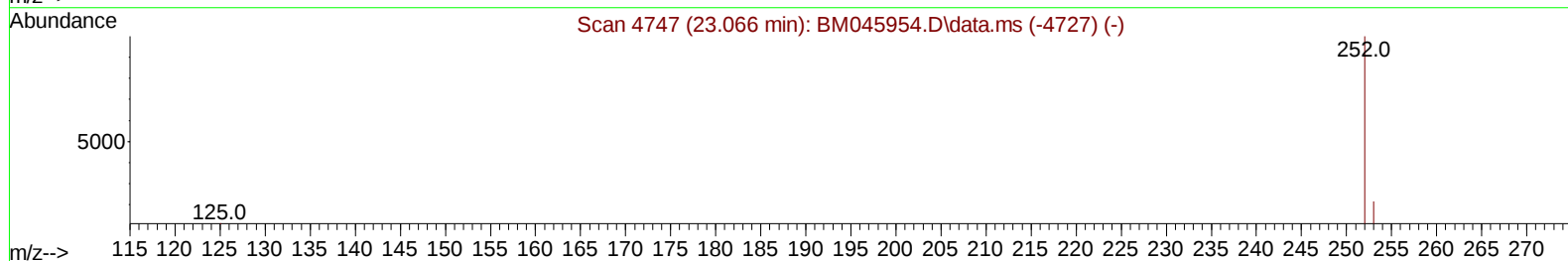
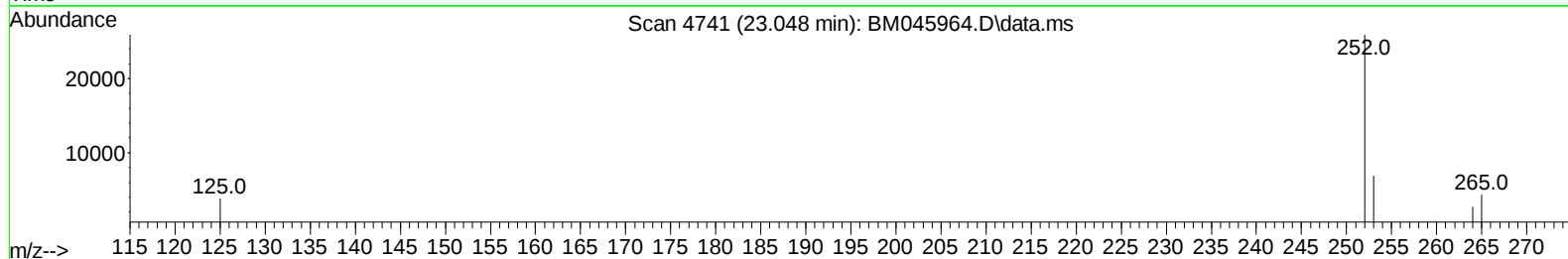
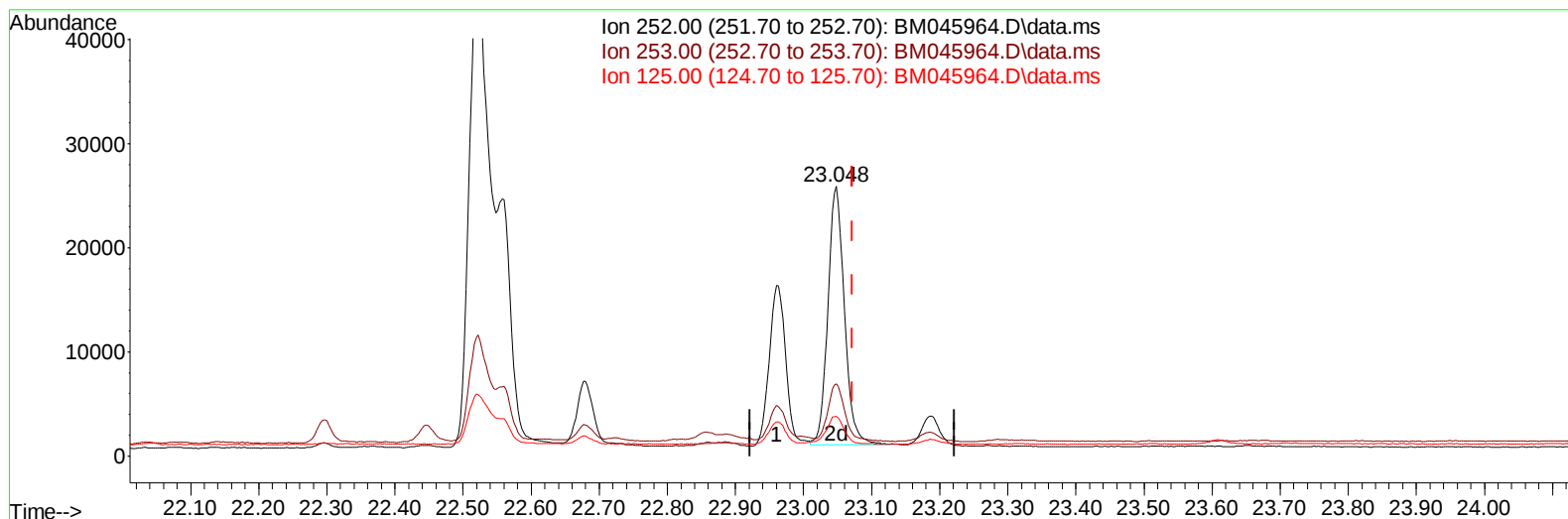
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
 Data File : BM045964.D
 Acq On : 10 Jun 2024 23:11
 Operator : MA/JU
 Sample : P2642-14DL 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BH7DL

Manual IntegrationsAPPROVED

Quant Time: Jun 10 23:44:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 10 22:47:12 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/11/2024
 Supervised By :mohammad ahmed 06/13/2024



TIC: BM045964.D\data.ms

(26) Benzo(a)pyrene (C)

23.048min (-0.024) 0.89 ng/u1 m

response 42073

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	36.00	26.78#
125.00	21.60	14.84#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
 Data File : BM045964.D
 Acq On : 10 Jun 2024 23:11
 Operator : MA/JU
 Sample : P2642-14DL 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BH7DL

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 06/11/2024
 Supervised By :mohammad ahmed 06/13/2024

Quant Time: Jun 10 23:44:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 10 22:47:12 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.459	152	4232	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.238	136	13202	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.109	164	7625	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.846	188	15200	0.400	ng/ul	-0.02
17) Chrysene-d12	21.038	240	13051	0.400	ng/ul	-0.02
23) Perylene-d12	23.142	264	14391m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.059	96	3963	0.822	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.860	152	926	0.049	ng/ul	0.01
18) Fluoranthene-d10	18.877	212	2237	0.057	ng/ul	-0.02
Target Compounds						
					Qvalue	
5) Naphthalene	10.288	128	1195	0.035	ng/ul#	78
10) Acenaphthylene	13.822	152	3273	0.094	ng/ul	94
11) Acenaphthene	14.169	153	2483	0.097	ng/ul	98
12) Fluorene	15.164	166	2911	0.102	ng/ul#	97
15) Phenanthrene	16.888	178	66009	1.547	ng/ul	99
16) Anthracene	16.981	178	11768m	0.323	ng/ul	
19) Fluoranthene	18.905	202	145101	2.788	ng/ul	99
20) Pyrene	19.272	202	114655	2.112	ng/ul	95
21) Benzo(a)anthracene	21.023	228	59419	1.240	ng/ul	98
22) Chrysene	21.073	228	68154	1.307	ng/ul	99
24) Benzo(b)fluoranthene	22.522	252	93859m	1.966	ng/ul	
25) Benzo(k)fluoranthene	22.557	252	32612m	0.622	ng/ul	
26) Benzo(a)pyrene	23.048	252	42073m	0.886	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.199	276	40885	0.666	ng/ul#	89
28) Dibenzo(a,h)anthracene	25.202	278	10918	0.223	ng/ul	94
29) Benzo(g,h,i)perylene	25.826	276	6539	0.124	ng/ul#	87

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045964.D
Acq On : 10 Jun 2024 23:11
Operator : MA/JU
Sample : P2642-14DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH7DL

Manual IntegrationsAPPROVED

Quant Time: Jun 10 23:44:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 22:47:12 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024

