

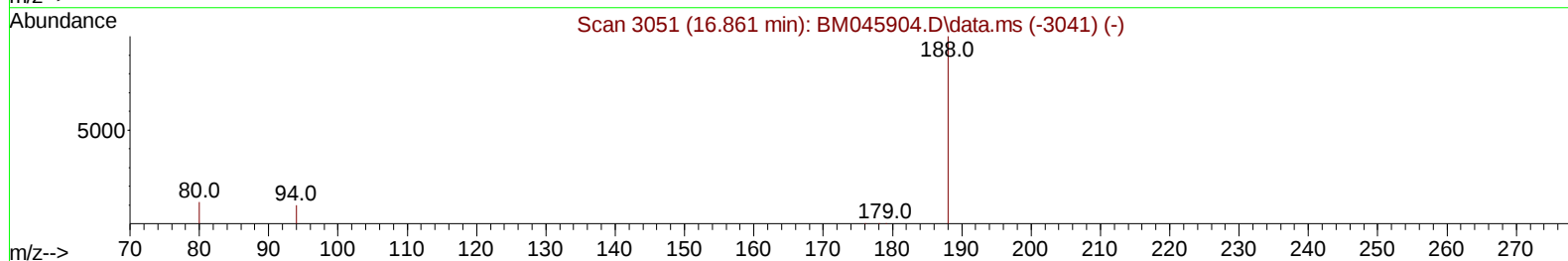
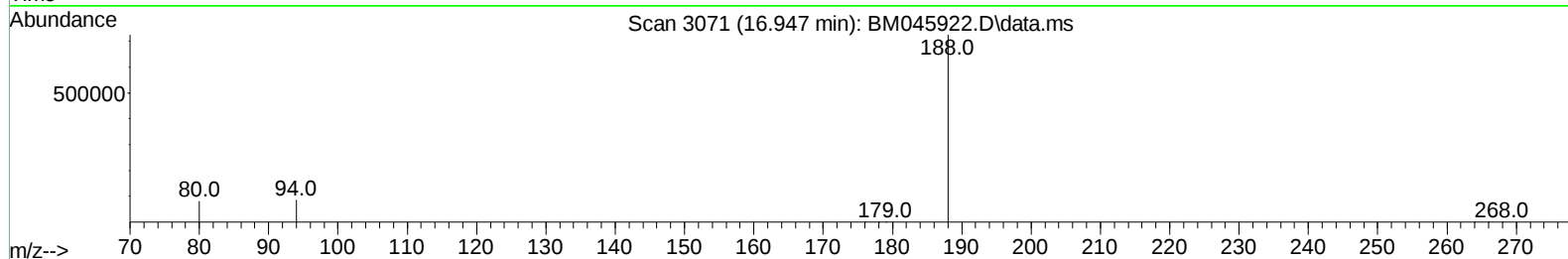
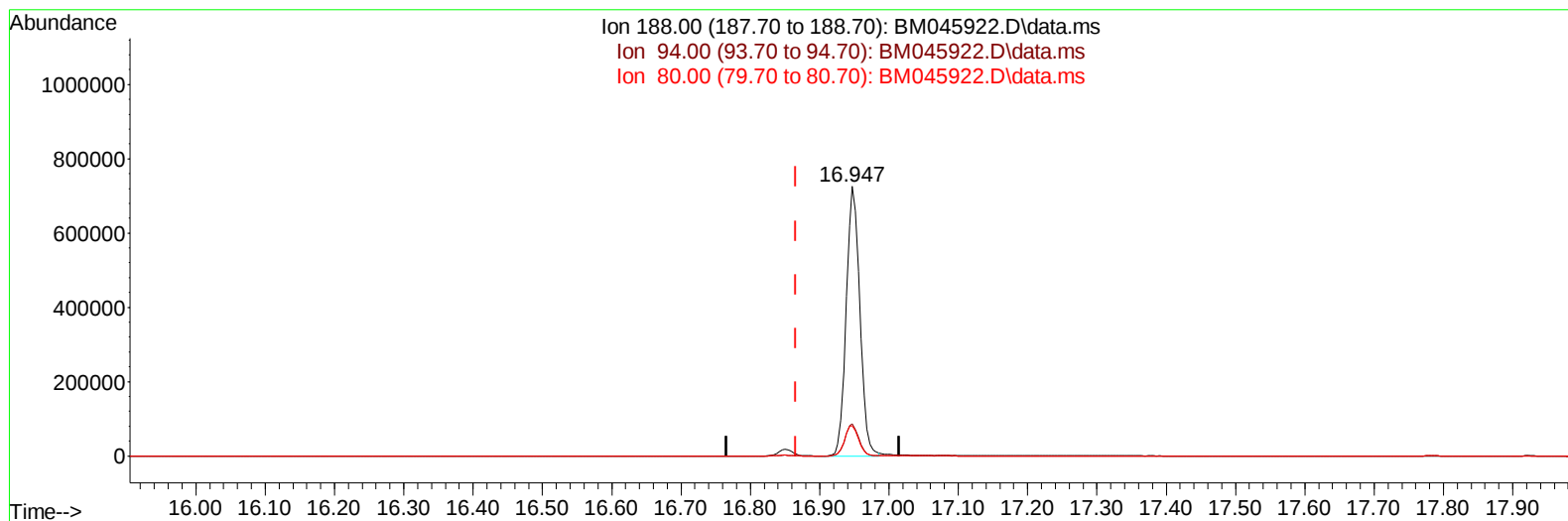
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045922.D
Acq On : 08 Jun 2024 18:41
Operator : MA/JU
Sample : P2640-08
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C22

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024

Quant Time: Jun 10 01:29:36 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 : Fri Jun 07 22:59:16 2024
Response via : Initial Calibration



TIC: BM045922.D\data.ms

(13) Phenanthrene-d10 (I)**16.947min (+ 0.082) 0.40 ng/u1****response 991183**

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	11.84
80.00	11.70	11.23
0.00	0.00	0.00

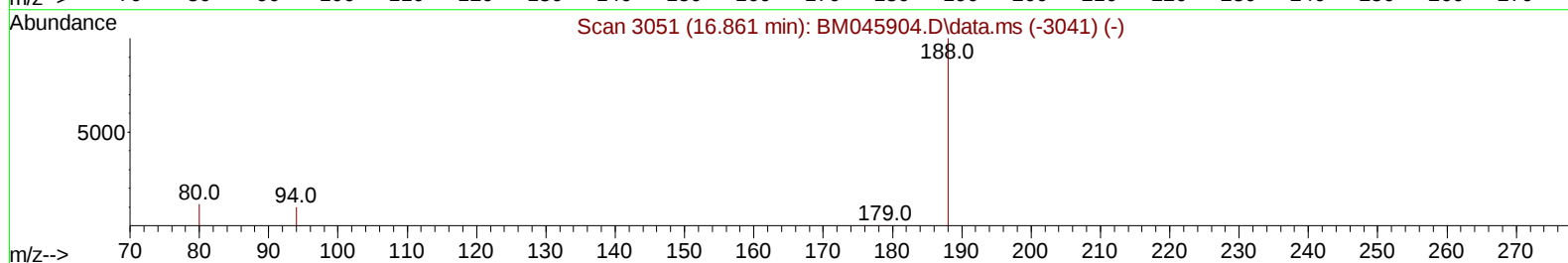
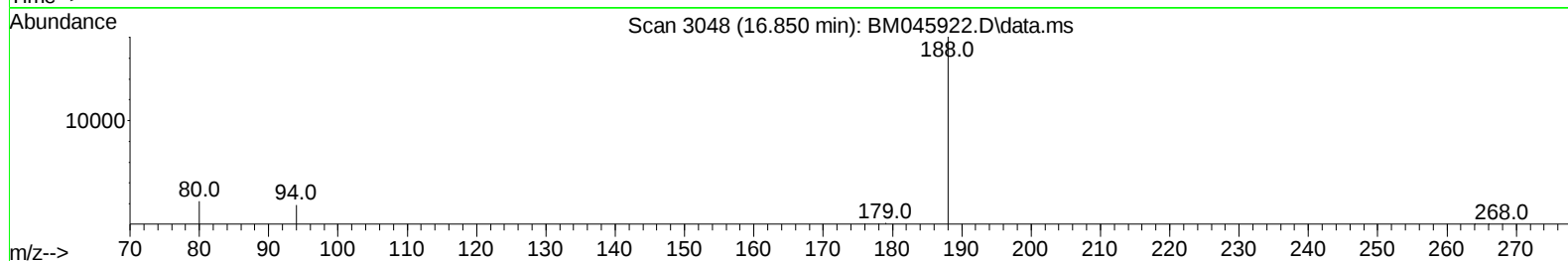
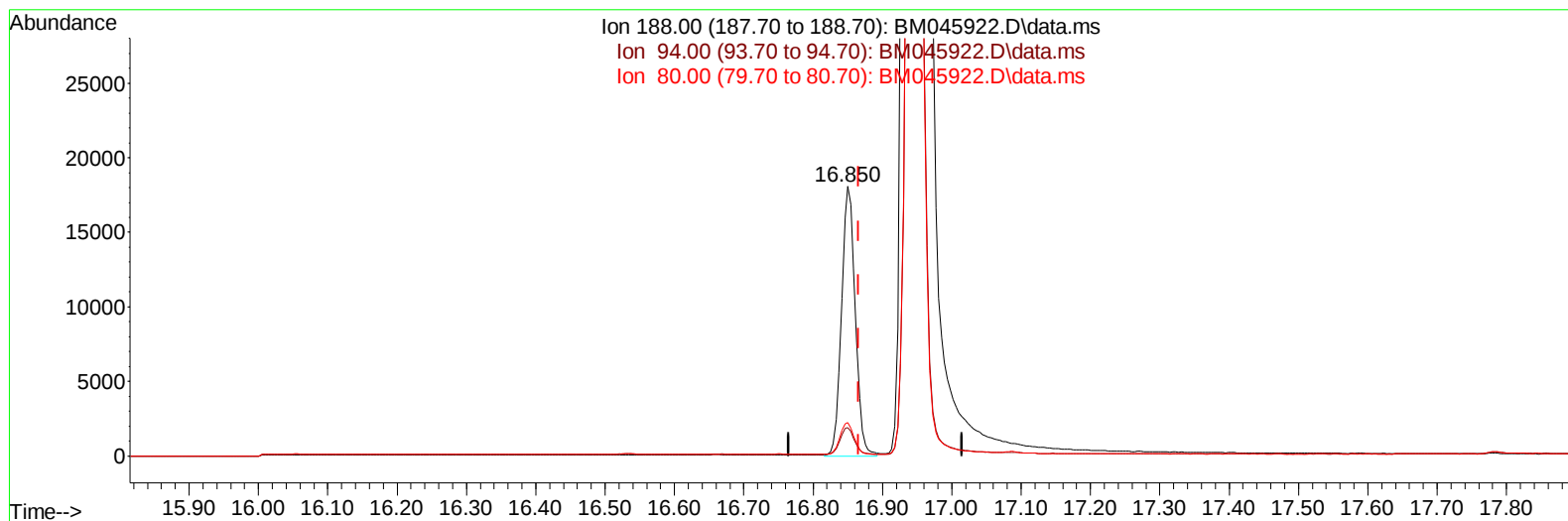
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045922.D
Acq On : 08 Jun 2024 18:41
Operator : MA/JU
Sample : P2640-08
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C22

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:36 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 : Fri Jun 07 22:59:16 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045922.D\data.ms

(13) Phenanthrene-d10 (I)

16.850min (-0.016) 0.40 ng/ul m

response 24909

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	10.57
80.00	11.70	12.39
0.00	0.00	0.00

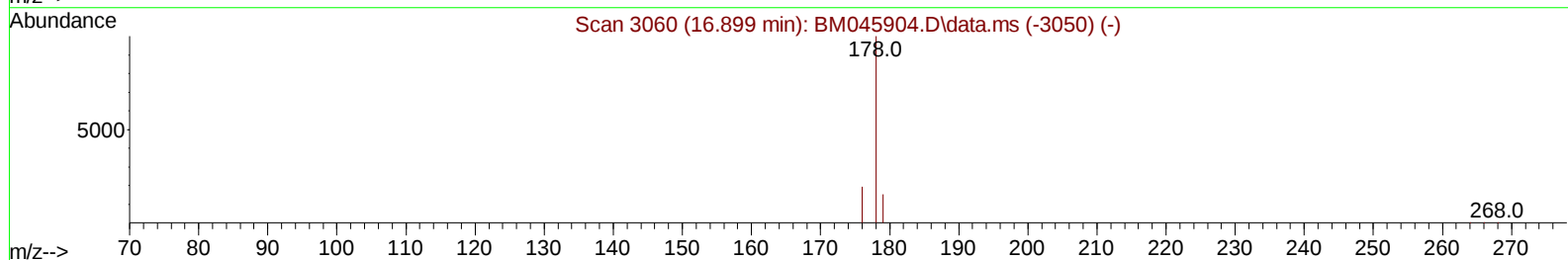
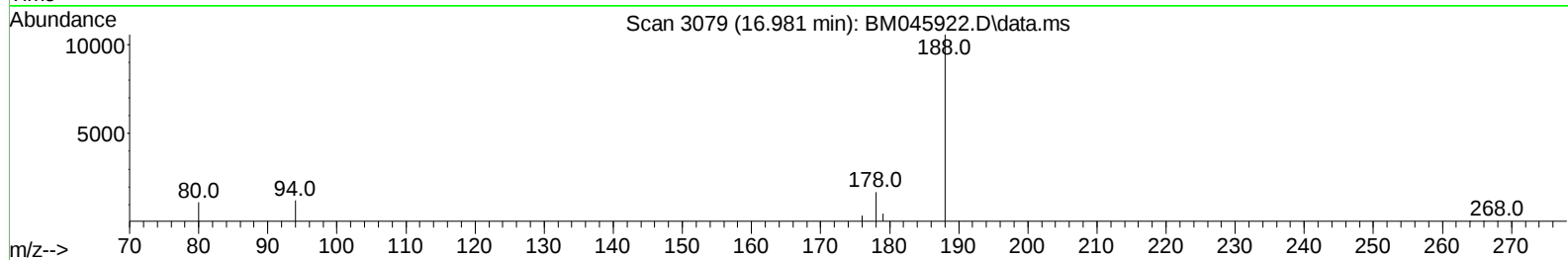
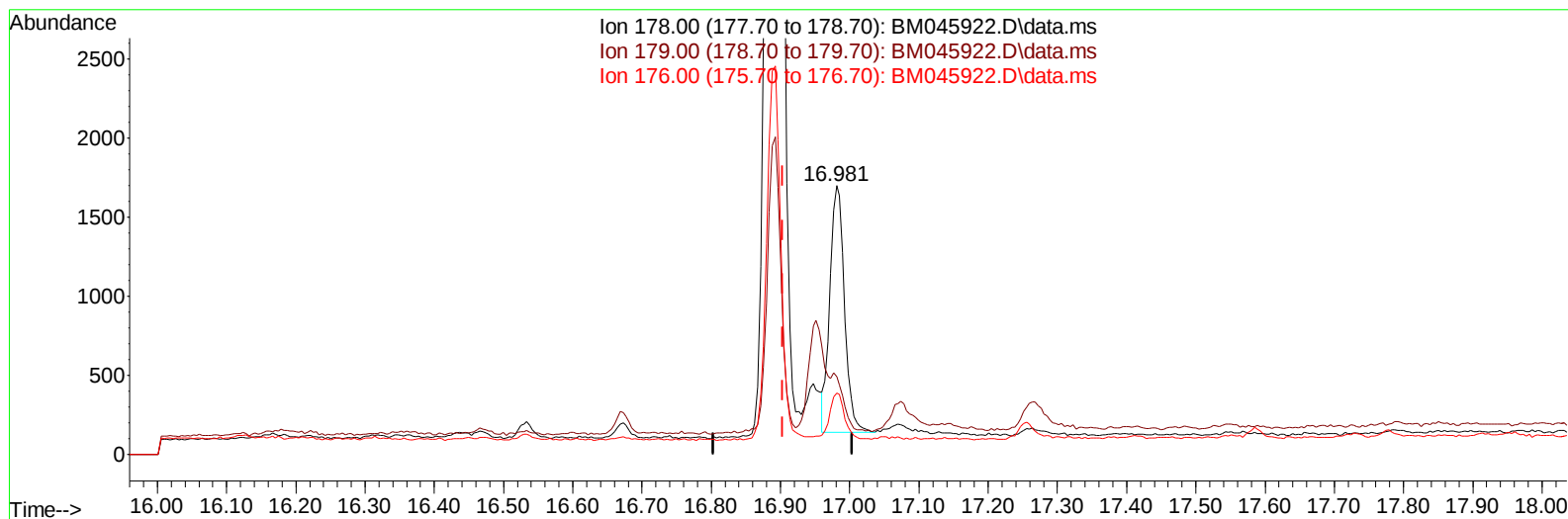
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045922.D
Acq On : 08 Jun 2024 18:41
Operator : MA/JU
Sample : P2640-08
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C22

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:36 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 : Fri Jun 07 22:59:16 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045922.D\data.ms

(15) Phenanthrene

16.981min (+ 0.077) 0.03 ng/u1

response 2282

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	28.82#
176.00	19.50	22.86
0.00	0.00	0.00

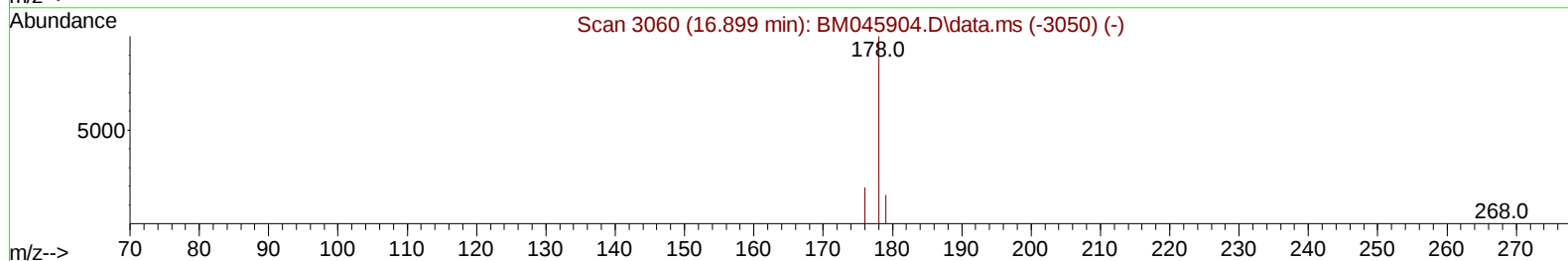
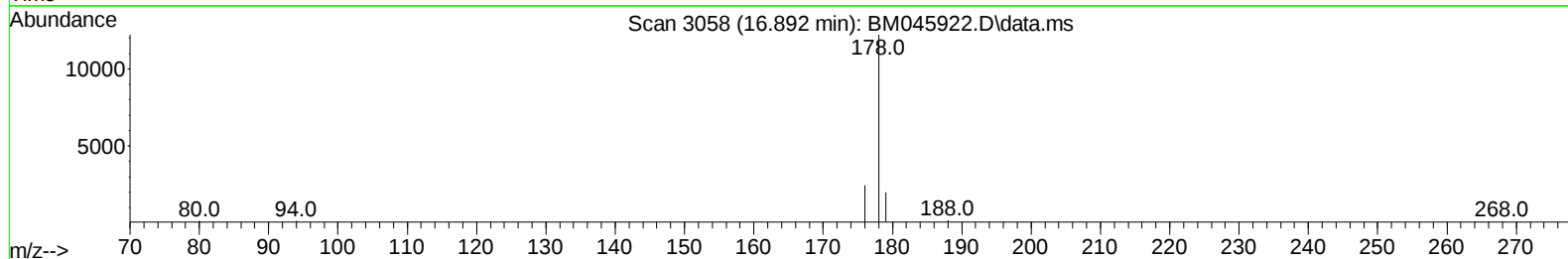
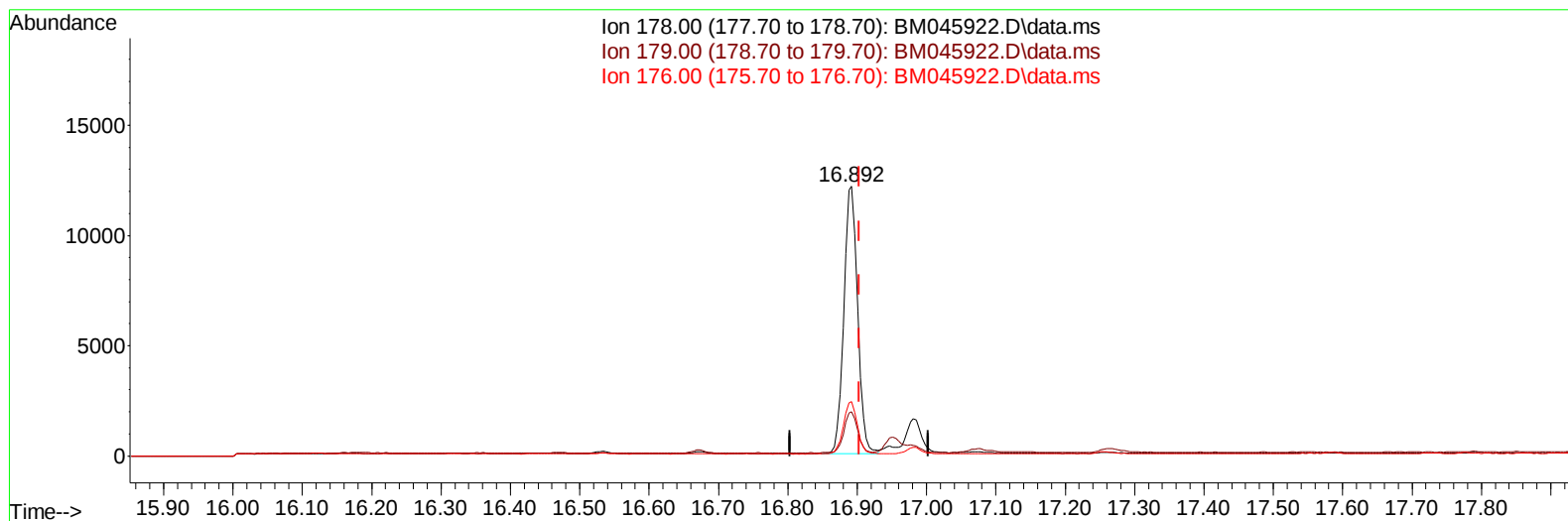
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045922.D
Acq On : 08 Jun 2024 18:41
Operator : MA/JU
Sample : P2640-08
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C22

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:36 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 : Fri Jun 07 22:59:16 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045922.D\data.ms

(15) Phenanthrene

16.892min (-0.011) 0.24 ng/ul m

response 16754

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	16.41
176.00	19.50	20.07
0.00	0.00	0.00

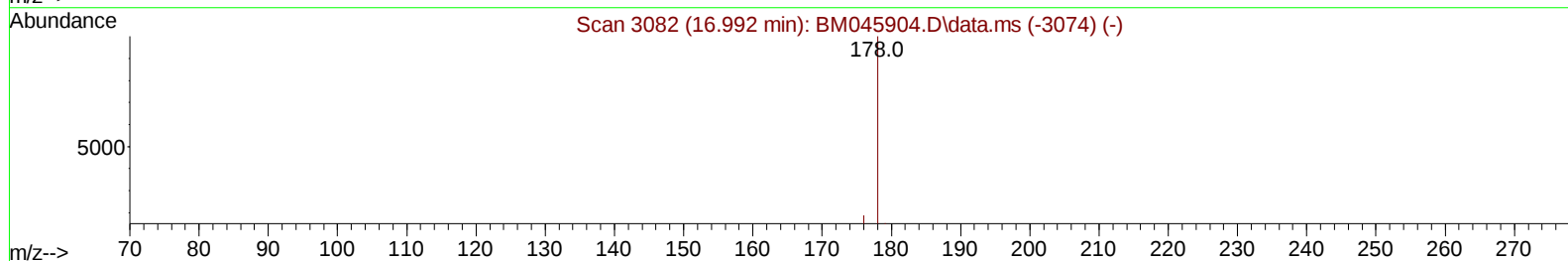
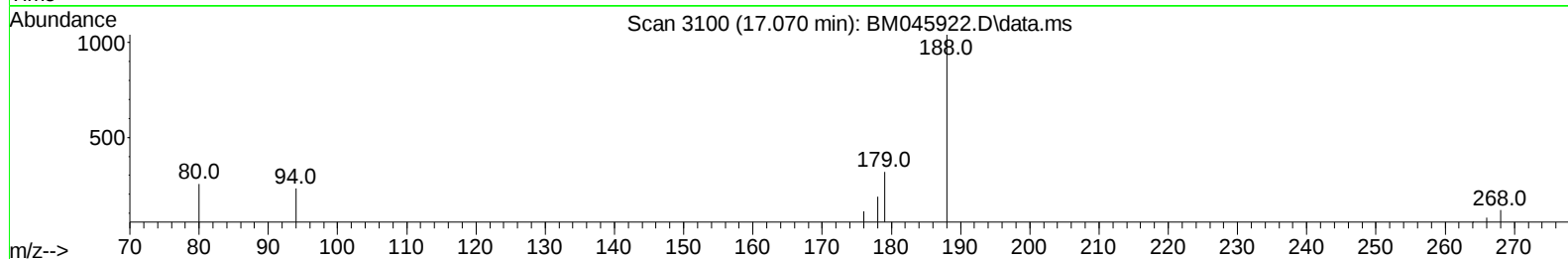
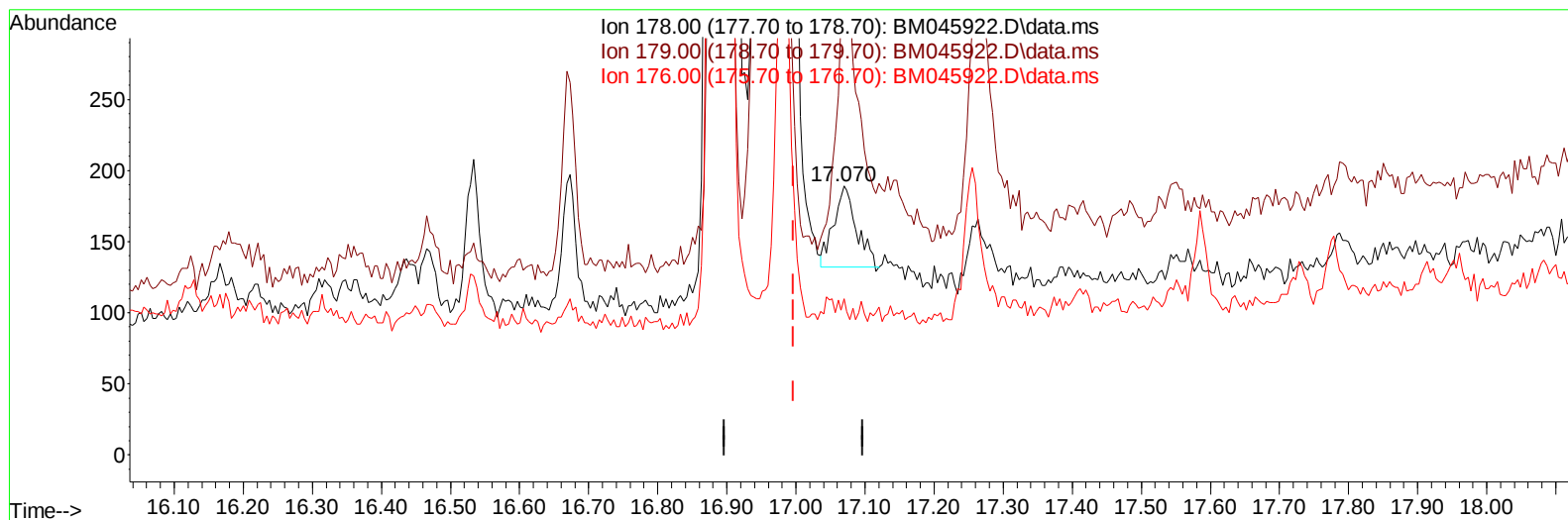
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045922.D
Acq On : 08 Jun 2024 18:41
Operator : MA/JU
Sample : P2640-08
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C22

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:36 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 : Fri Jun 07 22:59:16 2024
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Supervised By :mohammad ahmed 06/13/2024



TIC: BM045922.D\data.ms

(16) Anthracene

17.070min (+ 0.073) 0.00 ng/u1

response 131

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	168.78#
176.00	19.40	58.20#
0.00	0.00	0.00

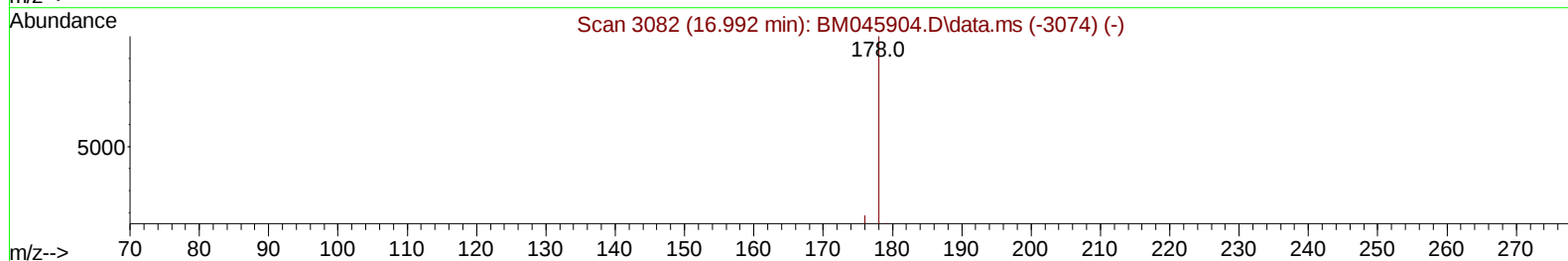
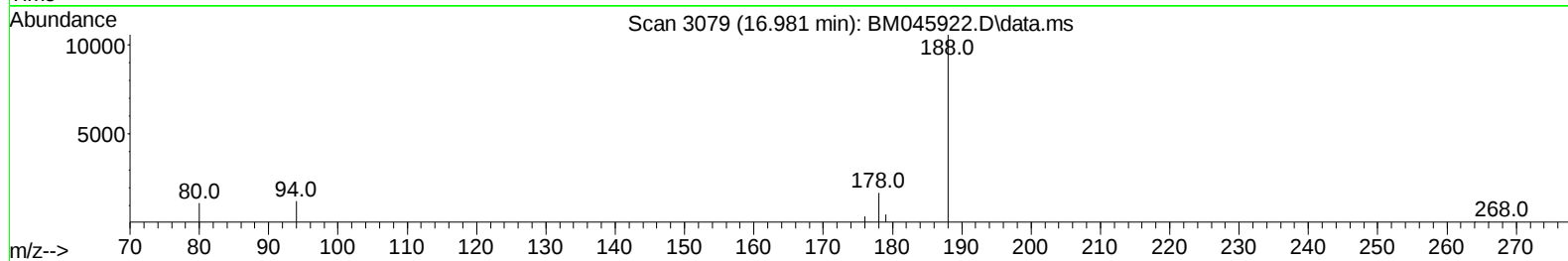
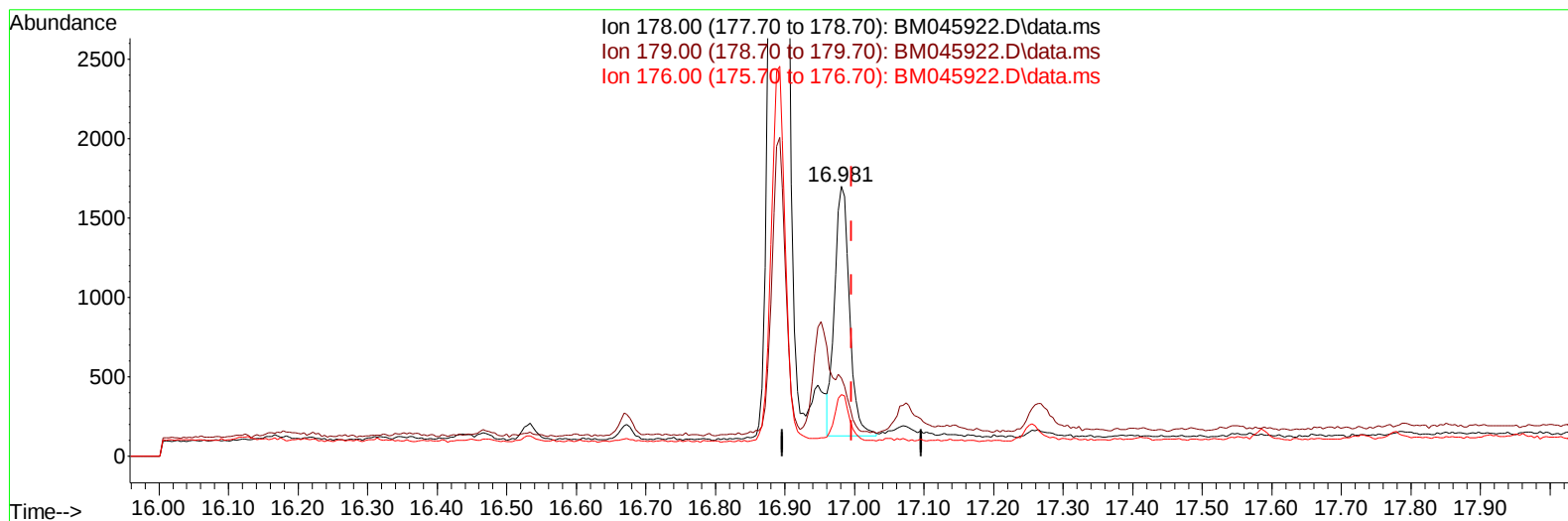
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045922.D
Acq On : 08 Jun 2024 18:41
Operator : MA/JU
Sample : P2640-08
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C22

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:36 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 : Fri Jun 07 22:59:16 2024
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Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045922.D\data.ms

(16) Anthracene

16.981min (-0.016) 0.04 ng/ul m

response 2342

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	28.82#
176.00	19.40	22.86
0.00	0.00	0.00

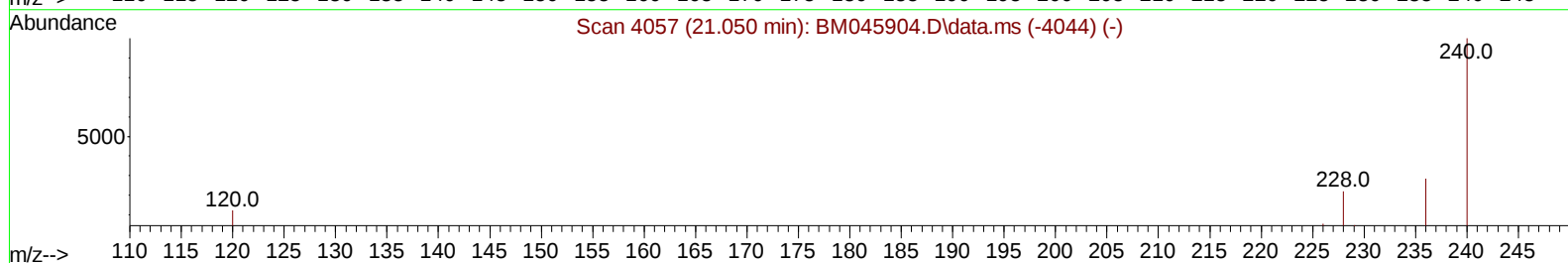
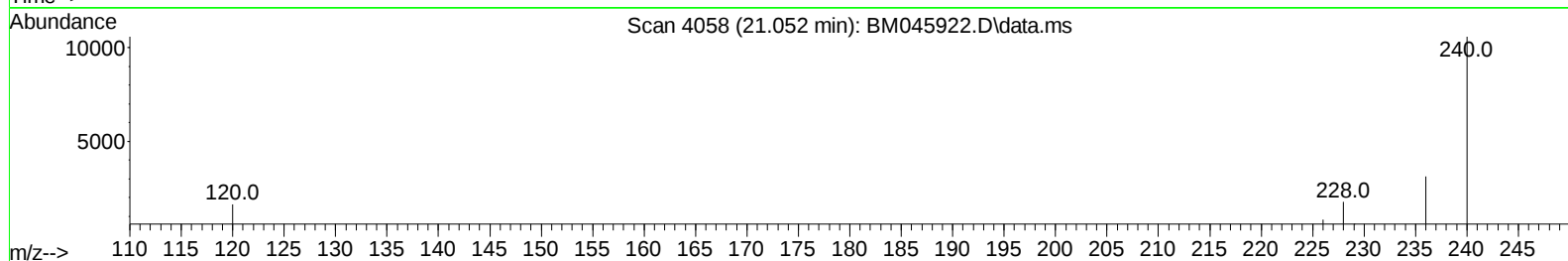
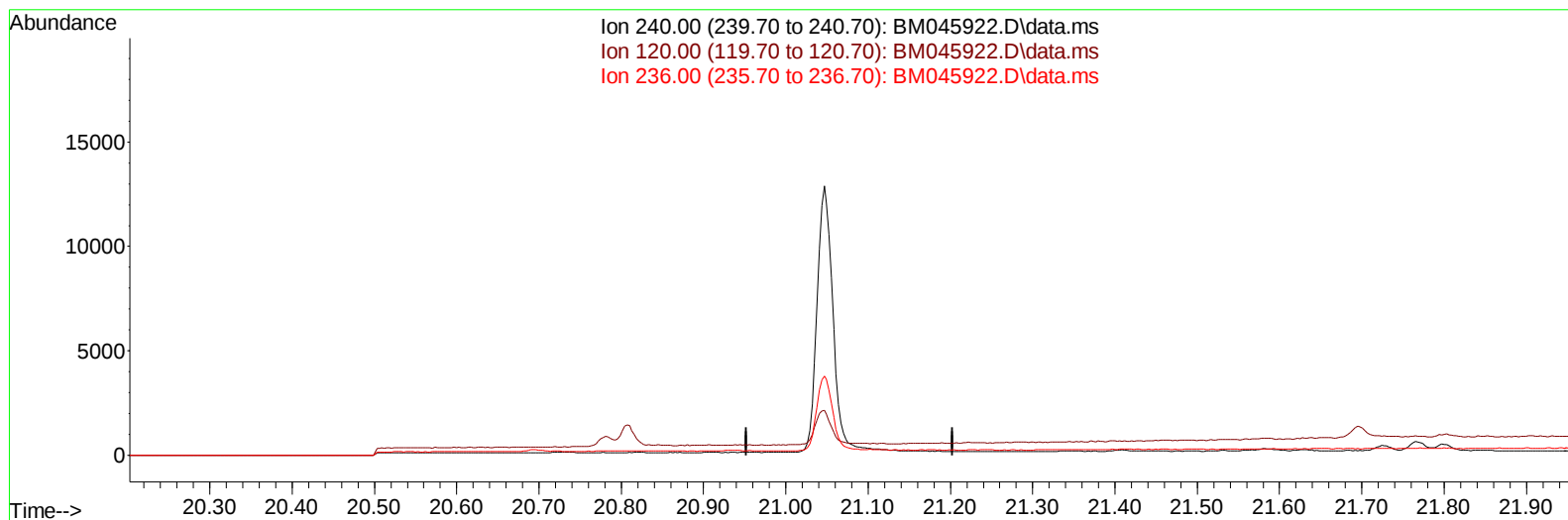
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045922.D
Acq On : 08 Jun 2024 18:41
Operator : MA/JU
Sample : P2640-08
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C22

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:36 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 : Fri Jun 07 22:59:16 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045922.D\data.ms

(17) Chrysene-d12

21.053min (-21.053) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	16.10	0.00#
236.00	29.50	0.00#
0.00	0.00	0.00

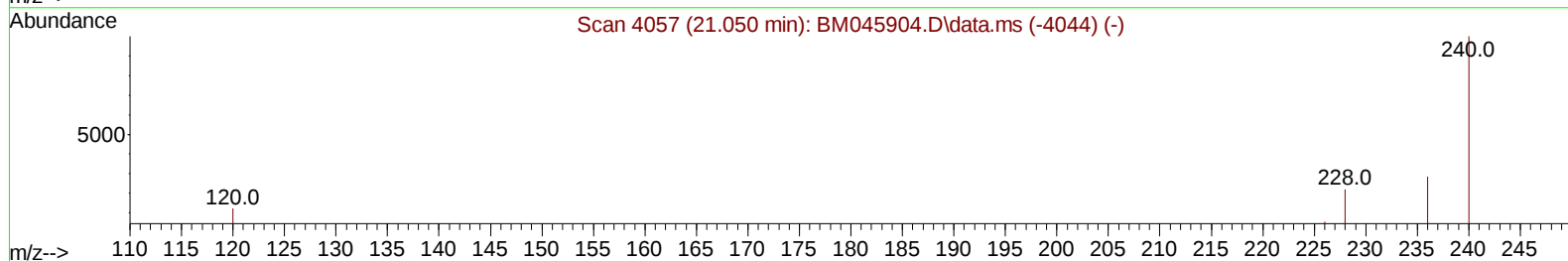
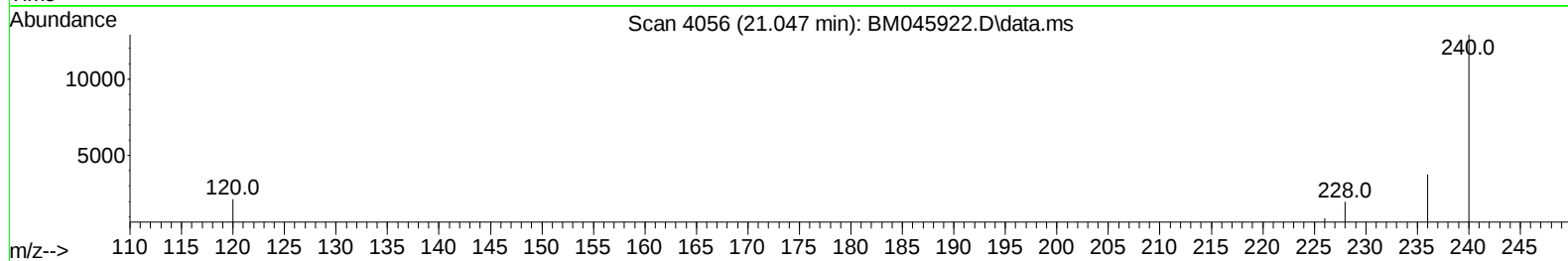
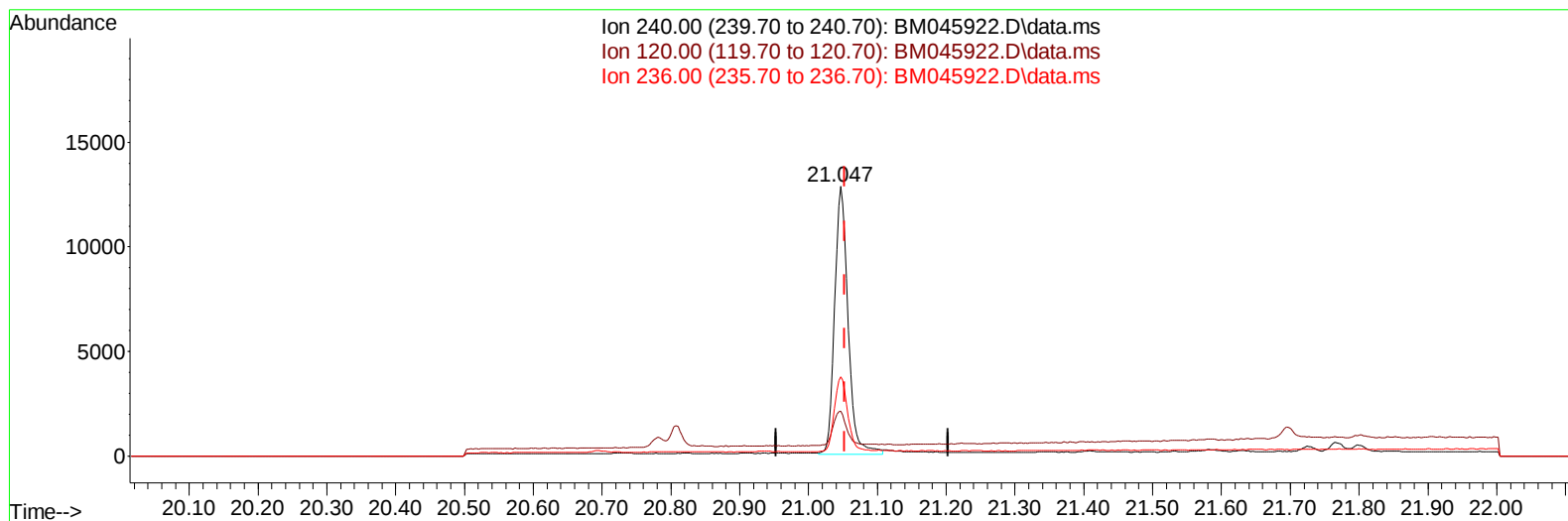
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045922.D
Acq On : 08 Jun 2024 18:41
Operator : MA/JU
Sample : P2640-08
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C22

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:36 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 : Fri Jun 07 22:59:16 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045922.D\data.ms

(17) Chrysene-d12

21.047min (-0.006) 0.40 ng/ul m

response 17568

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.10	16.61
236.00	29.50	29.34
0.00	0.00	0.00

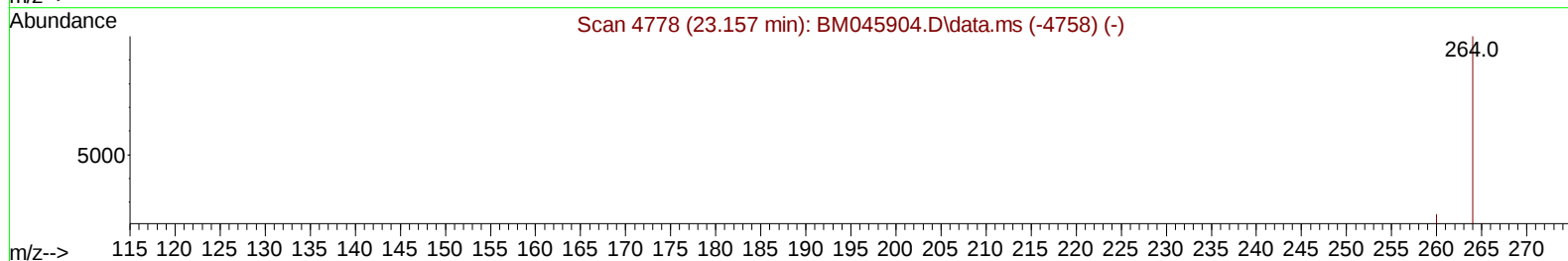
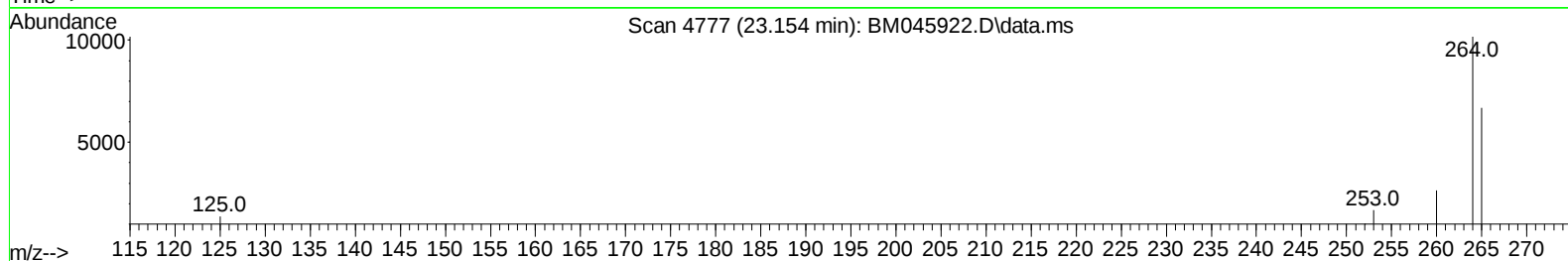
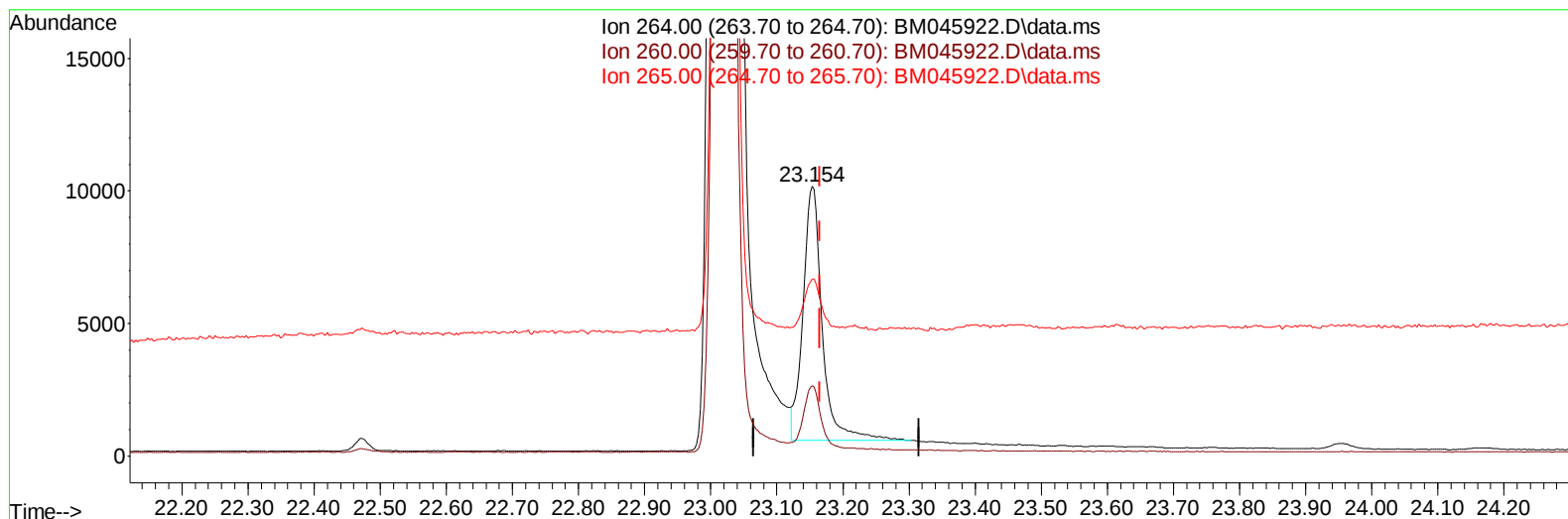
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045922.D
Acq On : 08 Jun 2024 18:41
Operator : MA/JU
Sample : P2640-08
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C22

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:36 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 : Fri Jun 07 22:59:16 2024
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Supervised By :mohammad ahmed 06/13/2024



TIC: BM045922.D\data.ms

(23) Perylene-d12 (I)

23.154min (-0.012) 0.40 ng/u1

response 19481

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	26.05
265.00	76.60	65.62
0.00	0.00	0.00

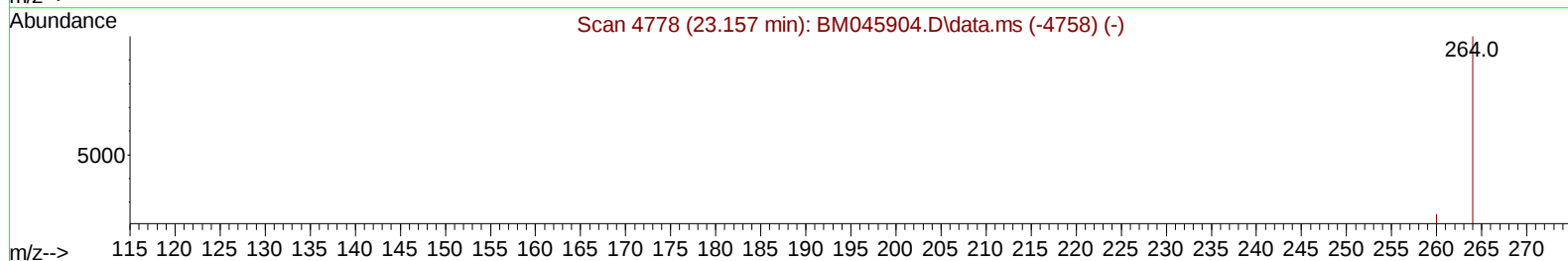
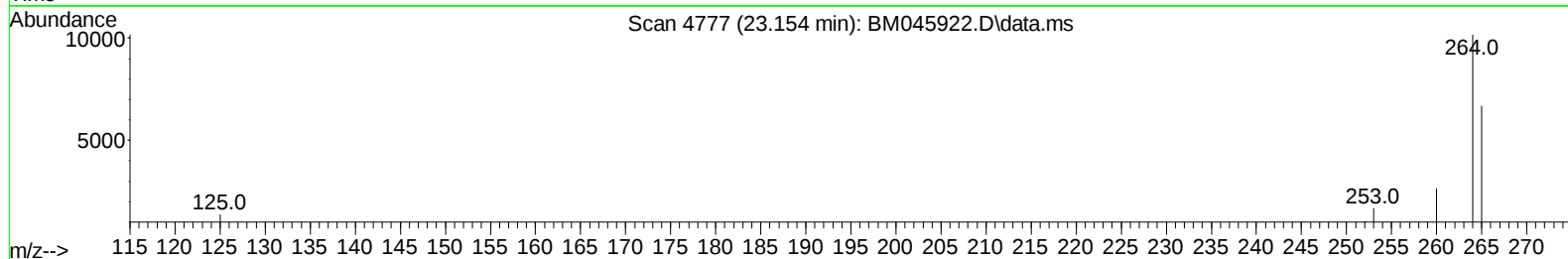
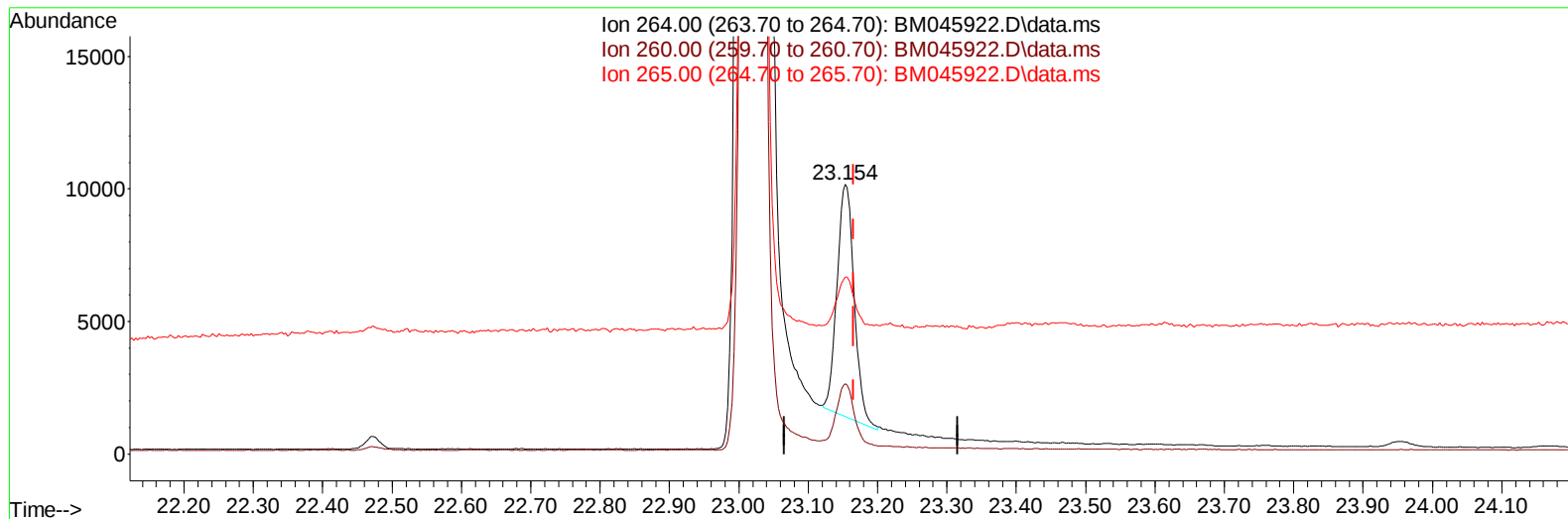
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045922.D
Acq On : 08 Jun 2024 18:41
Operator : MA/JU
Sample : P2640-08
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C22

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024

Quant Time: Jun 10 01:29:36 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 : Fri Jun 07 22:59:16 2024
Response via : Initial Calibration



TIC: BM045922.D\data.ms

(23) Perylene-d12 (I)

23.154min (-0.012) 0.40 ng/ul m

response 15021

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	26.05
265.00	76.60	65.62
0.00	0.00	0.00

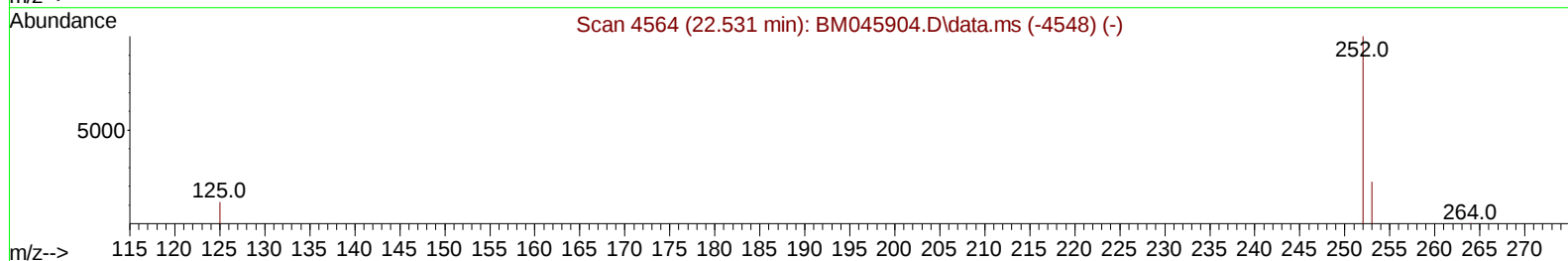
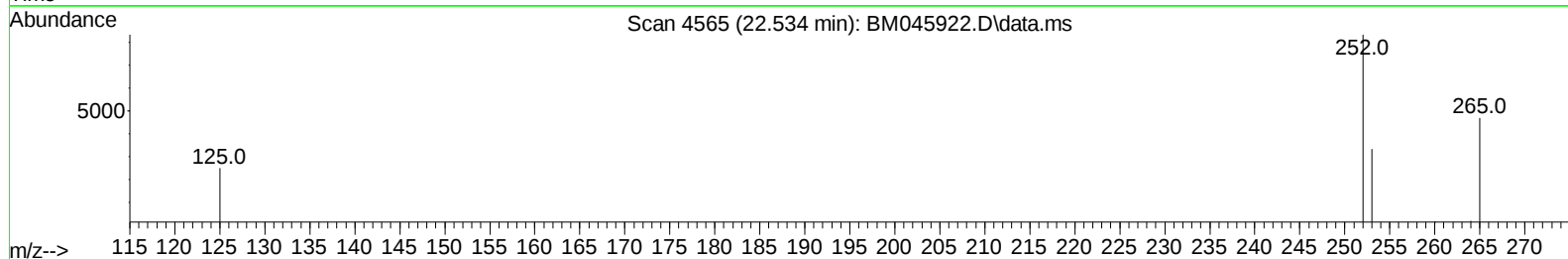
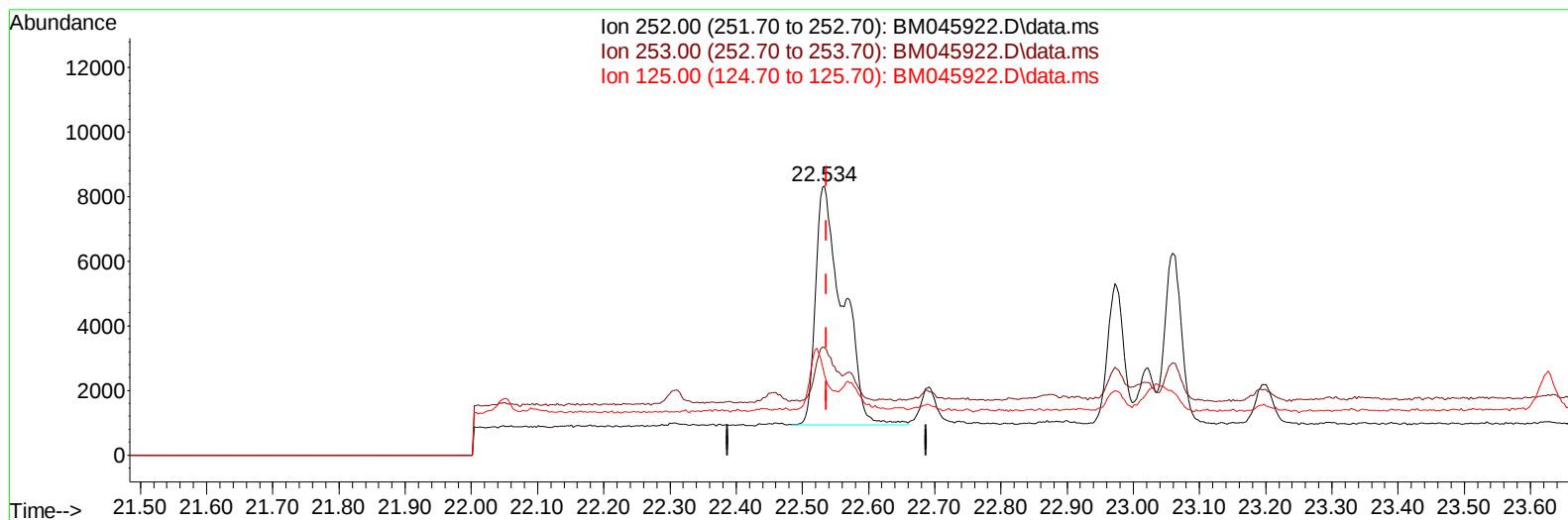
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045922.D
Acq On : 08 Jun 2024 18:41
Operator : MA/JU
Sample : P2640-08
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C22

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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TIC: BM045922.D\data.ms

(24) Benzo(b)fluoranthene

22.534min (-0.003) 0.43 ng/u1

response 21200

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	40.07
125.00	17.90	29.83
0.00	0.00	0.00

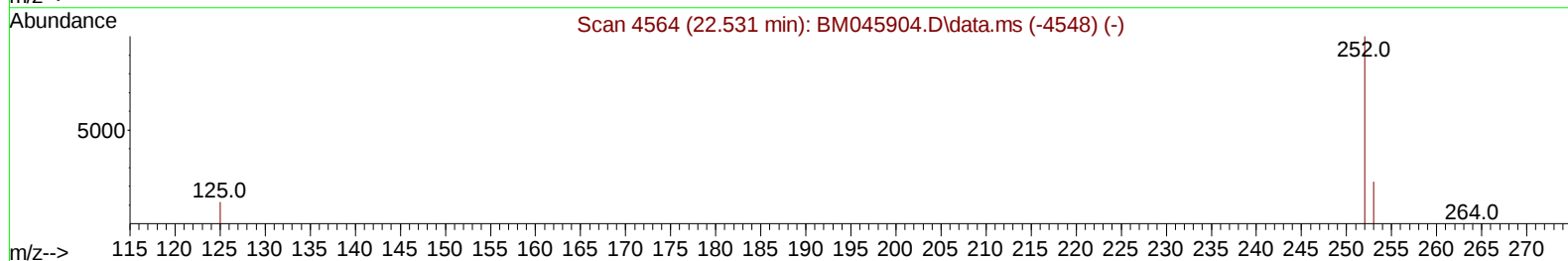
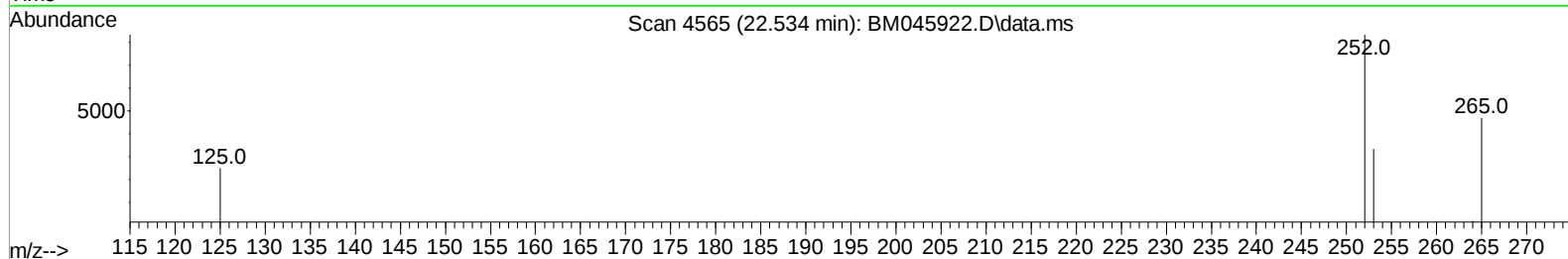
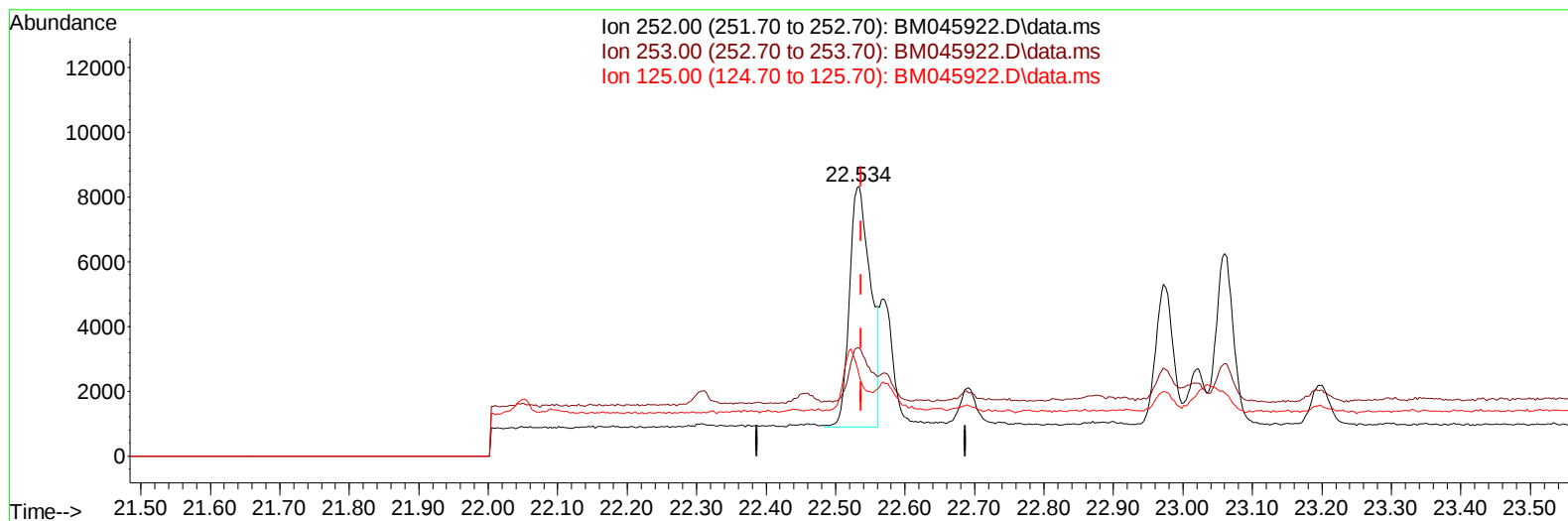
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045922.D
Acq On : 08 Jun 2024 18:41
Operator : MA/JU
Sample : P2640-08
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C22

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024

Quant Time: Jun 10 01:29:36 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 : Fri Jun 07 22:59:16 2024
Response via : Initial Calibration



TIC: BM045922.D\data.ms

(24) Benzo(b)fluoranthene

22.534min (-0.003) 0.31 ng/u1 m

response 15545

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	40.07
125.00	17.90	29.83
0.00	0.00	0.00

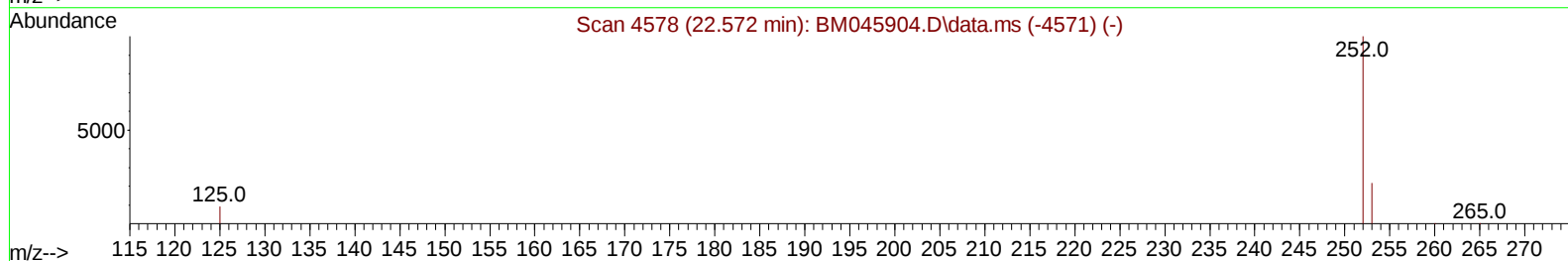
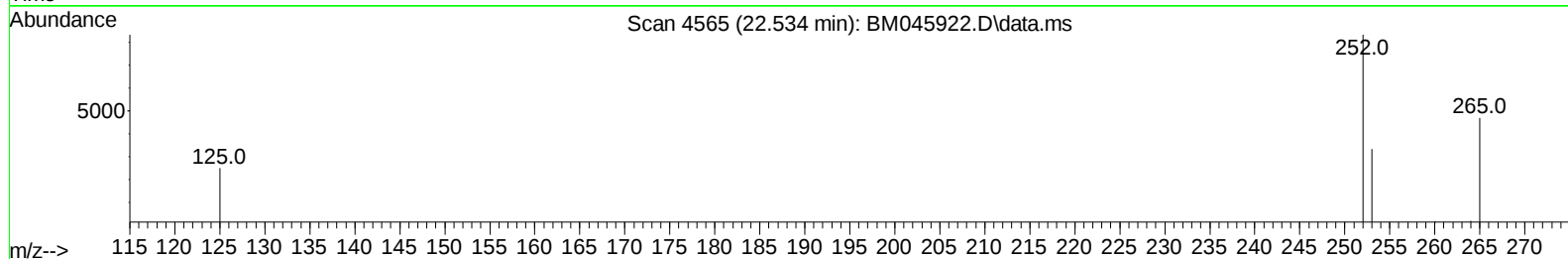
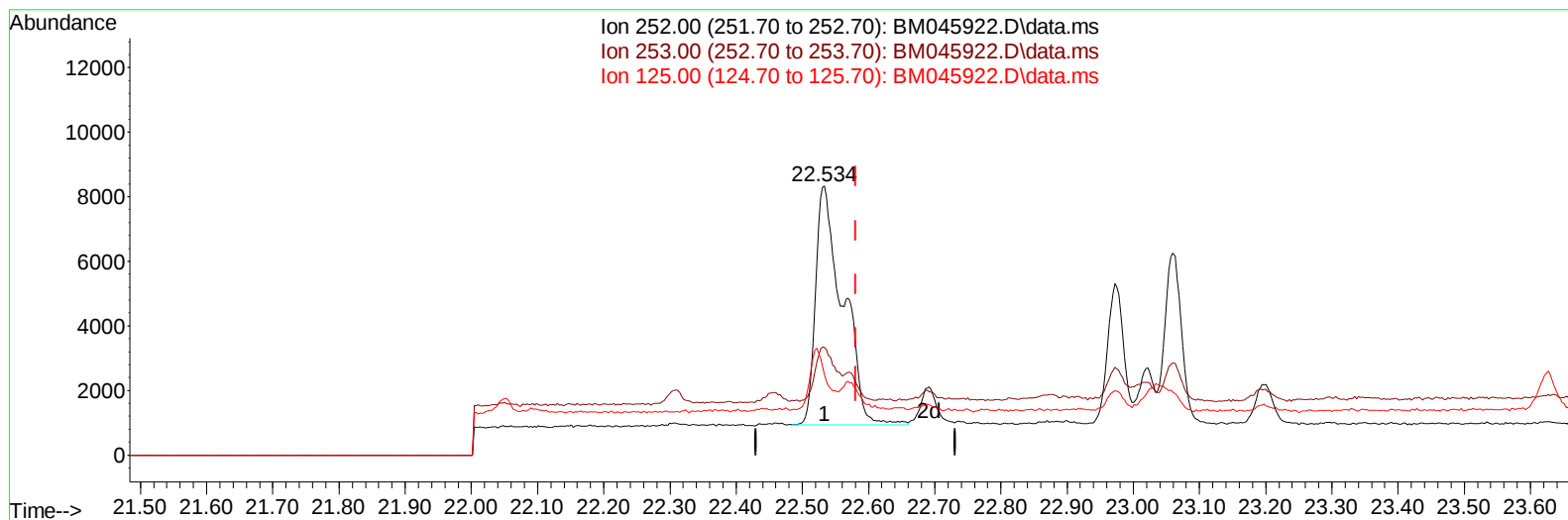
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045922.D
Acq On : 08 Jun 2024 18:41
Operator : MA/JU
Sample : P2640-08
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C22

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045922.D\data.ms

(25) Benzo(k)fluoranthene

22.534min (-0.047) 0.39 ng/u1

response 21200

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	40.07#
125.00	17.70	29.83#
0.00	0.00	0.00

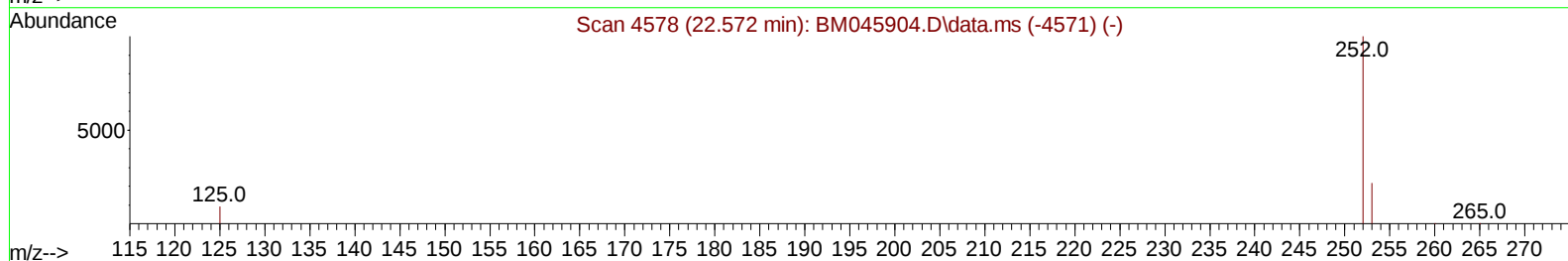
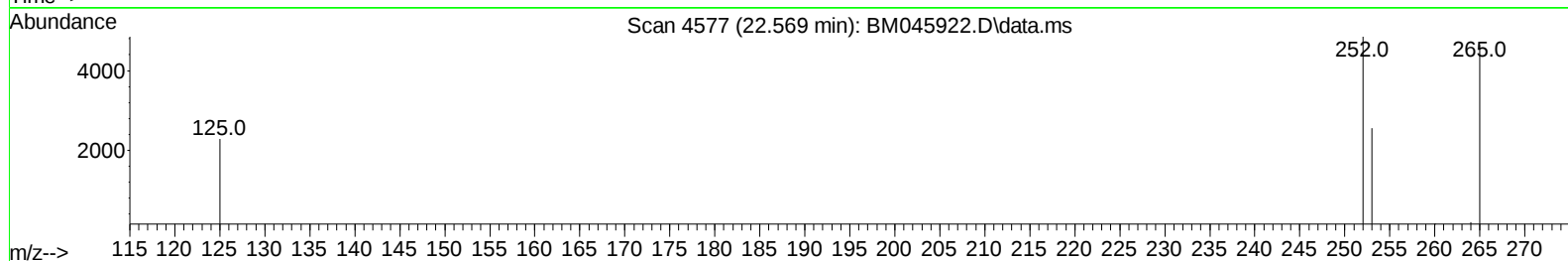
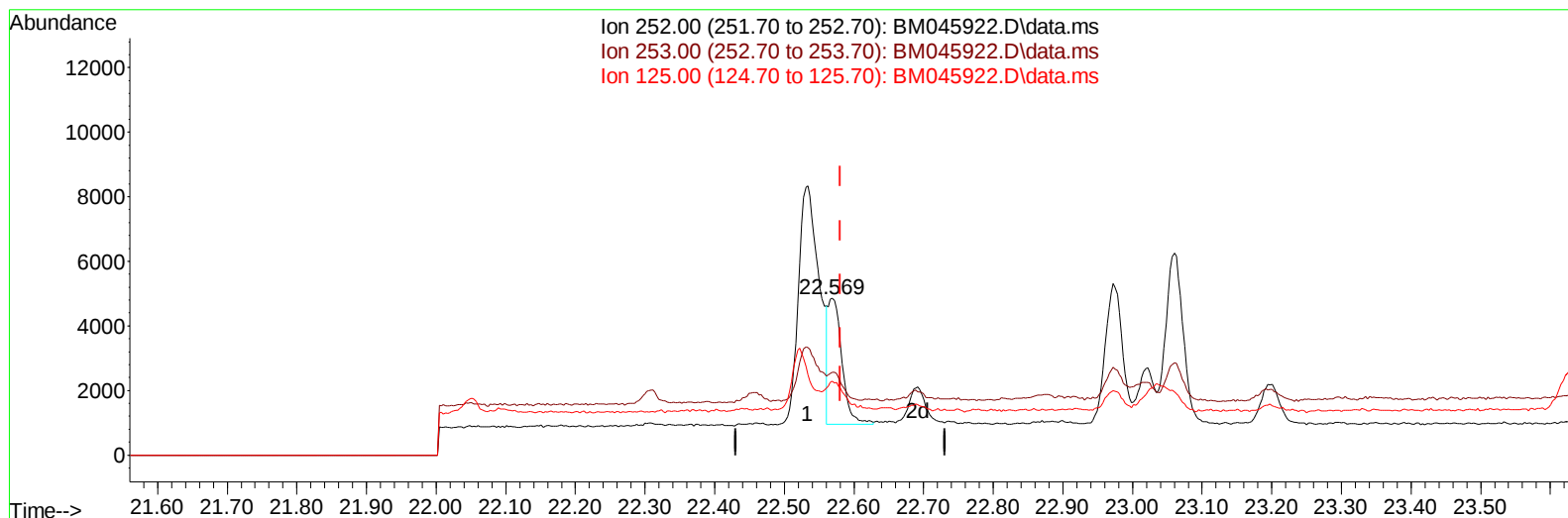
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045922.D
Acq On : 08 Jun 2024 18:41
Operator : MA/JU
Sample : P2640-08
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C22

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024

Quant Time: Jun 10 01:29:36 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 : Fri Jun 07 22:59:16 2024
Response via : Initial Calibration



TIC: BM045922.D\data.ms

(25) Benzo(k)fluoranthene

22.569min (-0.012) 0.10 ng/u1 m

response 5394

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	52.71#
125.00	17.70	47.08#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
 Data File : BM045922.D
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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.464	152		5790	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.233	136		19926	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.109	164		11196	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.850	188		24909m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.047	240		17568m	0.400	ng/ul	0.00
23) Perylene-d12	23.154	264		15021m	0.400	ng/ul	-0.01
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.059	96		20649	3.131	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.844	152		5407	0.189	ng/ul	0.00
18) Fluoranthene-d10	18.881	212		12287	0.234	ng/ul	-0.01
Target Compounds							
						Qvalue	
10) Acenaphthylene	13.827	152		1370	0.027	ng/ul#	81
12) Fluorene	15.159	166		846	0.020	ng/ul#	94
15) Phenanthrene	16.892	178		16754m	0.240	ng/ul	
16) Anthracene	16.981	178		2342m	0.039	ng/ul	
19) Fluoranthene	18.914	202		31808	0.454	ng/ul	98
20) Pyrene	19.276	202		27523	0.377	ng/ul	98
21) Benzo(a)anthracene	21.029	228		10993	0.170	ng/ul	95
22) Chrysene	21.082	228		13421	0.191	ng/ul	96
24) Benzo(b)fluoranthene	22.534	252		15545m	0.312	ng/ul	
25) Benzo(k)fluoranthene	22.569	252		5394m	0.099	ng/ul	
26) Benzo(a)pyrene	23.060	252		9329	0.188	ng/ul#	82
27) Indeno(1,2,3-cd)pyrene	25.219	276		7378	0.115	ng/ul#	92
29) Benzo(g,h,i)perylene	25.846	276		7594	0.137	ng/ul#	87

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

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