

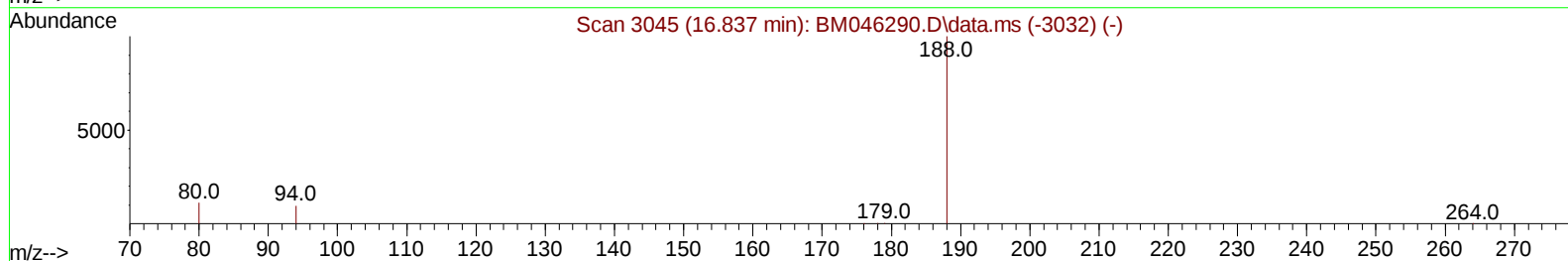
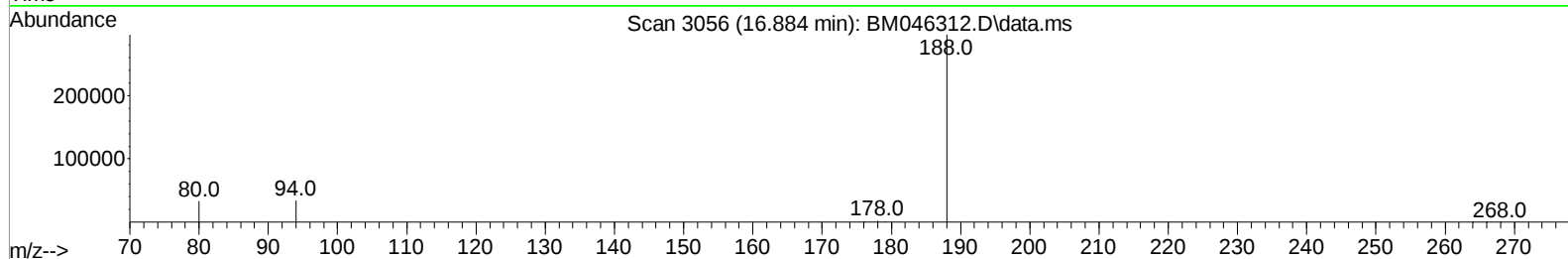
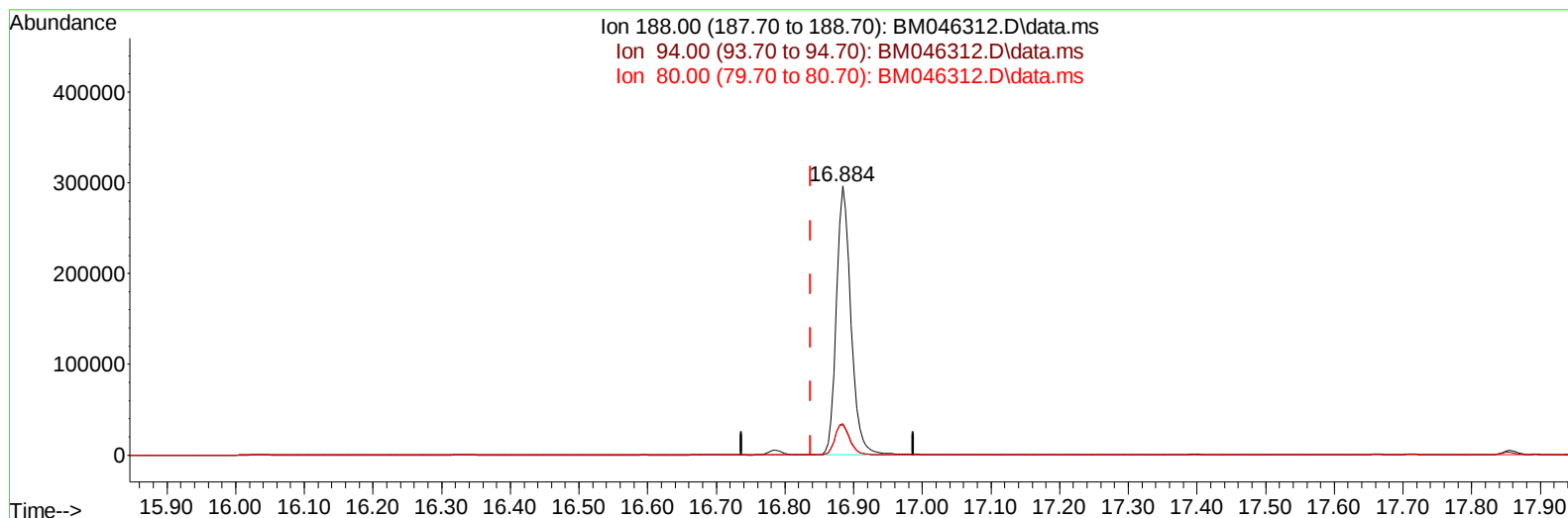
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046312.D
Acq On : 26 Jun 2024 04:15
Operator : MA/JU
Sample : P2909-05
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B84

Manual IntegrationsAPPROVED

Quant Time: Jun 26 05:20:43 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 : Wed Jun 26 03:24:28 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046312.D\data.ms

(13) Phenanthrene-d10 (I)

16.884min (+ 0.047) 0.40 ng/u1

response 434251

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	11.70
80.00	15.20	11.26#
0.00	0.00	0.00

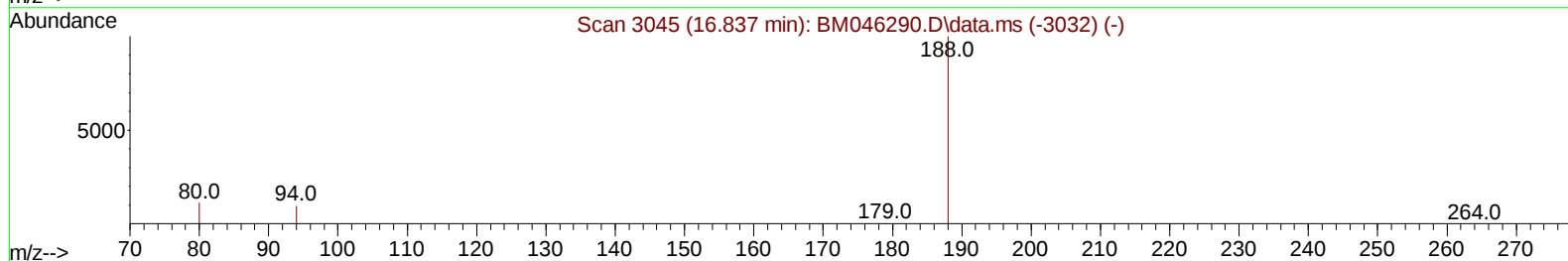
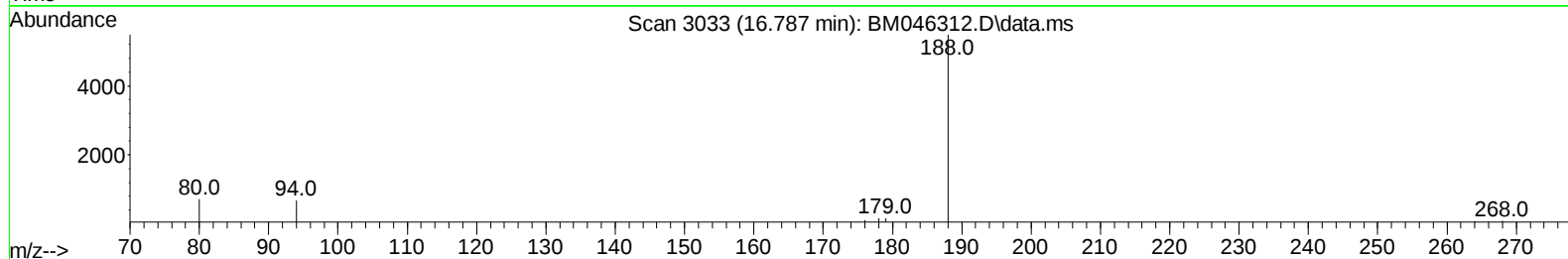
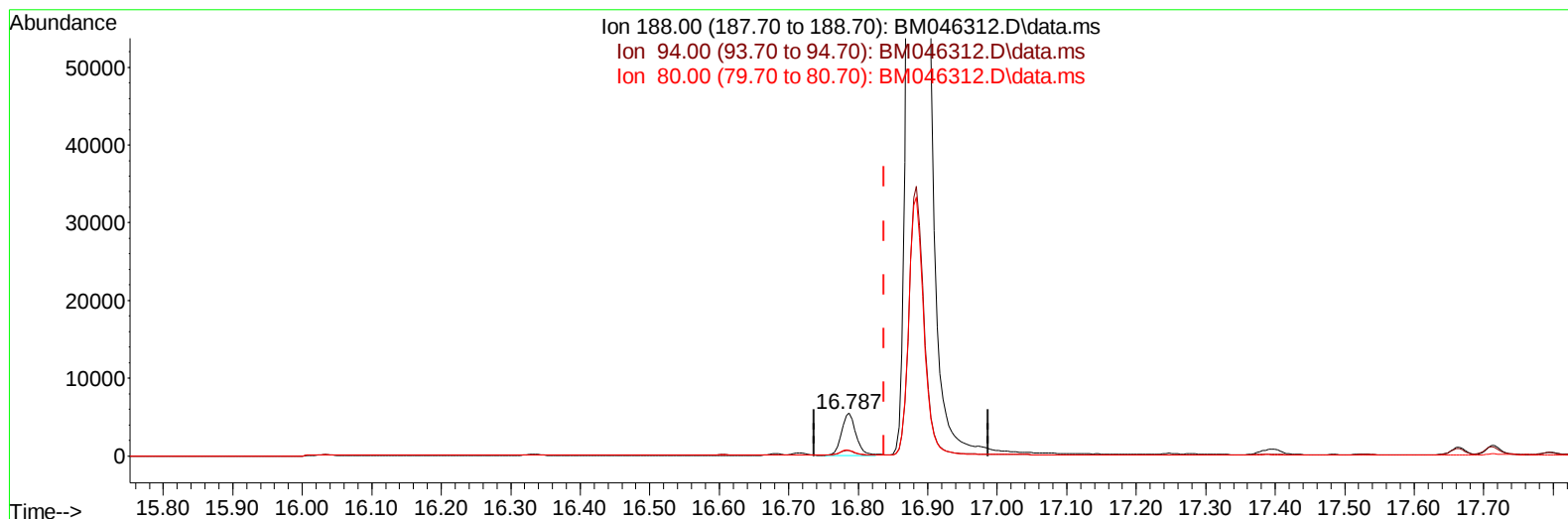
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046312.D
Acq On : 26 Jun 2024 04:15
Operator : MA/JU
Sample : P2909-05
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B84

Manual IntegrationsAPPROVED

Quant Time: Jun 26 05:20:43 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 : Wed Jun 26 03:24:28 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046312.D\data.ms

(13) Phenanthrene-d10 (I)

16.787min (-0.051) 0.40 ng/u1 m

response 7975

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.45
80.00	15.20	13.15
0.00	0.00	0.00

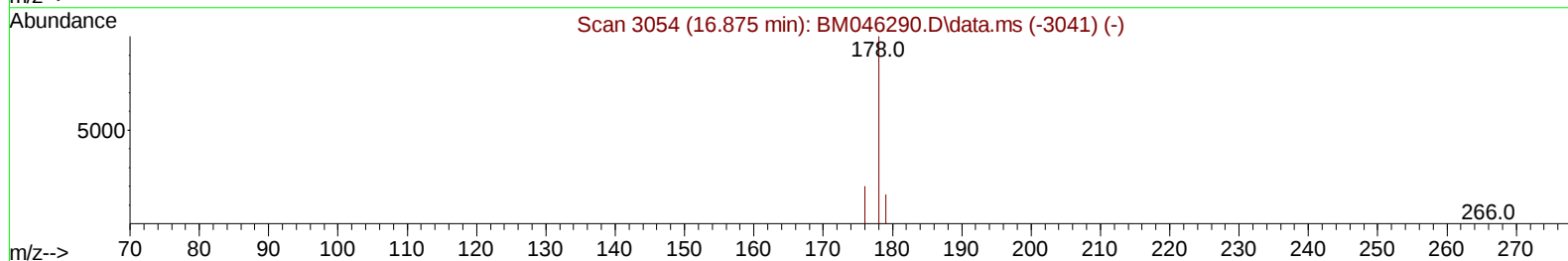
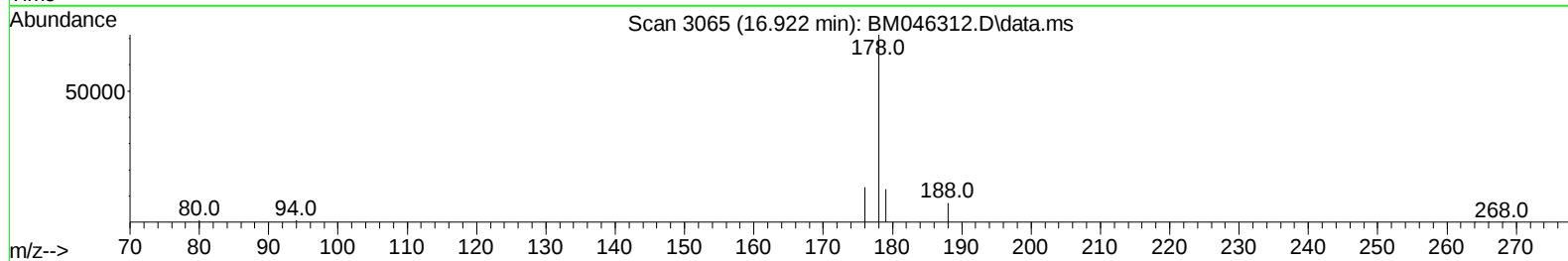
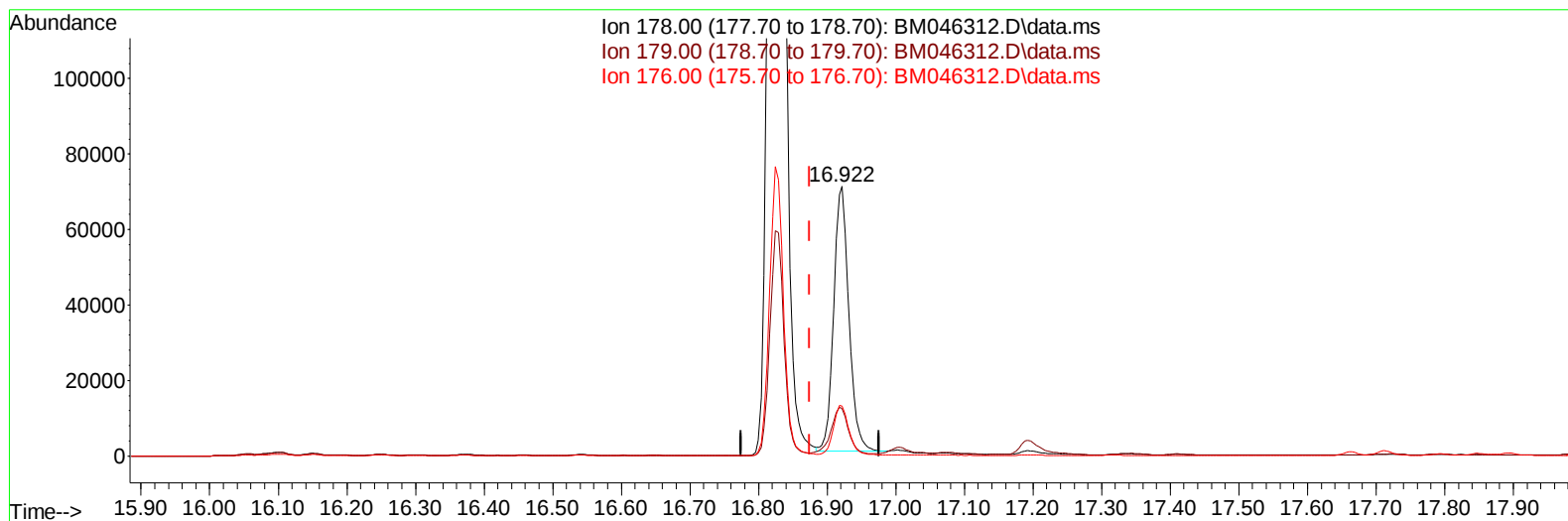
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046312.D
Acq On : 26 Jun 2024 04:15
Operator : MA/JU
Sample : P2909-05
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B84

Manual IntegrationsAPPROVED

Quant Time: Jun 26 05:20:43 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 : Wed Jun 26 03:24:28 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046312.D\data.ms

(15) Phenanthrene

16.922min (+ 0.047) 4.84 ng/u1

response 108445

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	17.70
176.00	21.40	18.55
0.00	0.00	0.00

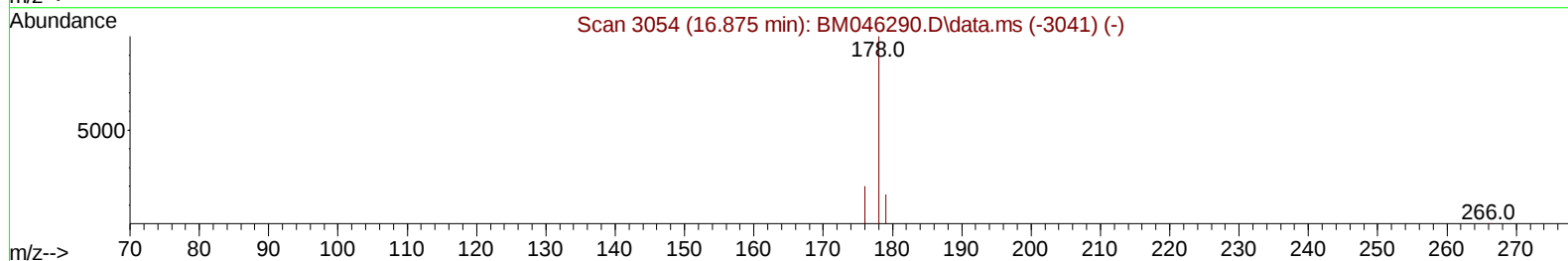
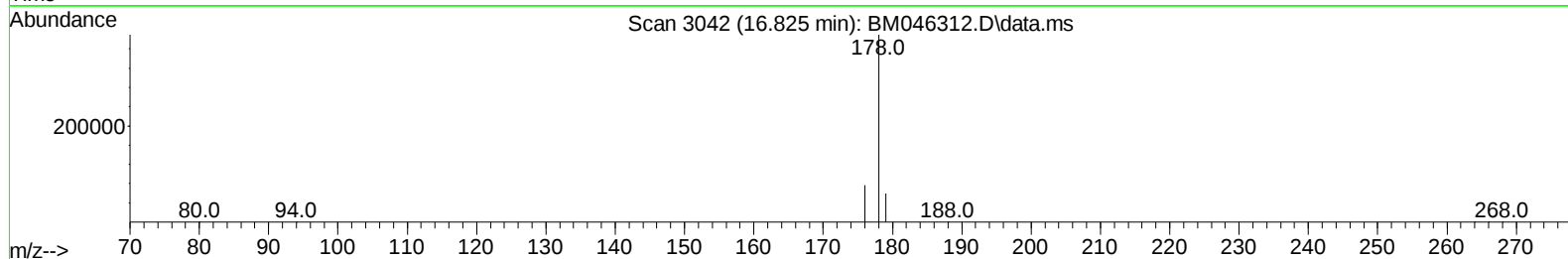
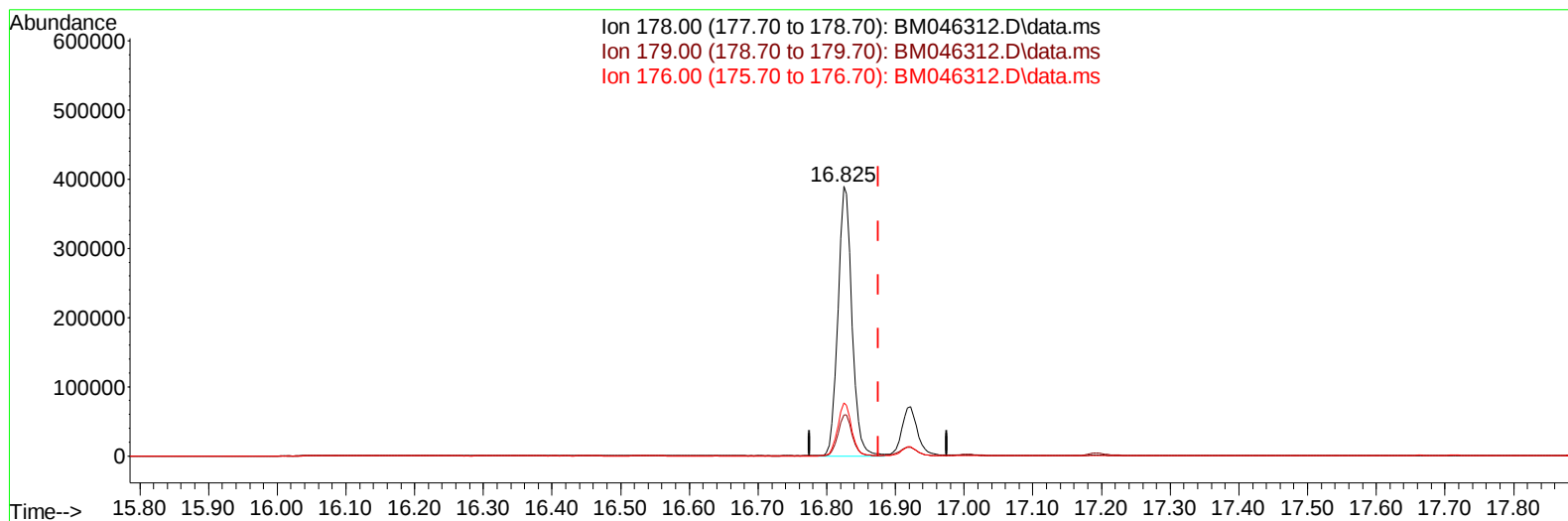
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
 Data File : BM046312.D
 Acq On : 26 Jun 2024 04:15
 Operator : MA/JU
 Sample : P2909-05
 Misc :
 ALS Vial : 73 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4B84

Manual IntegrationsAPPROVED

Quant Time: Jun 26 05:20:43 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 : Wed Jun 26 03:24:28 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
 Supervised By :mohammad ahmed 06/27/2024



TIC: BM046312.D\data.ms

(15) Phenanthrene

16.825min (-0.051) 24.66 ng/ul m

response 552427

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.31
176.00	21.40	19.71
0.00	0.00	0.00

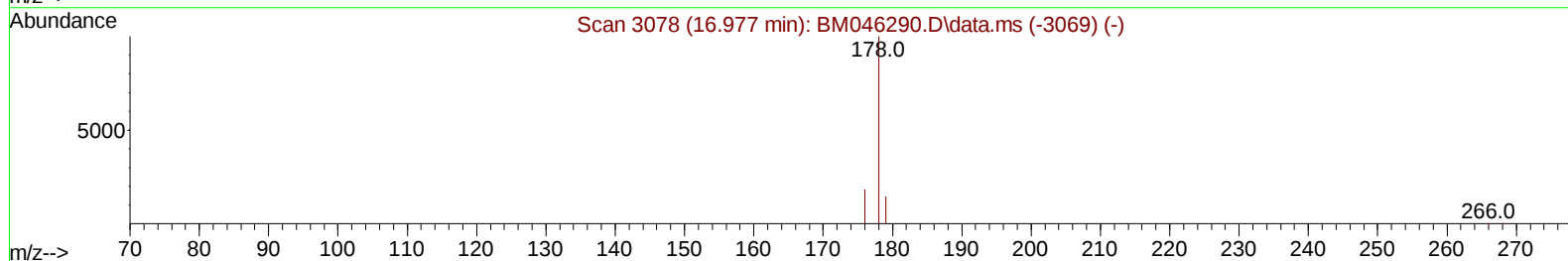
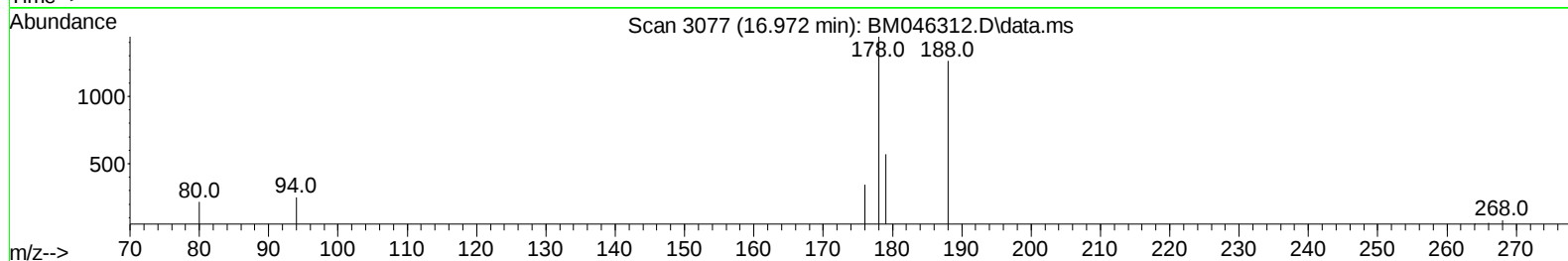
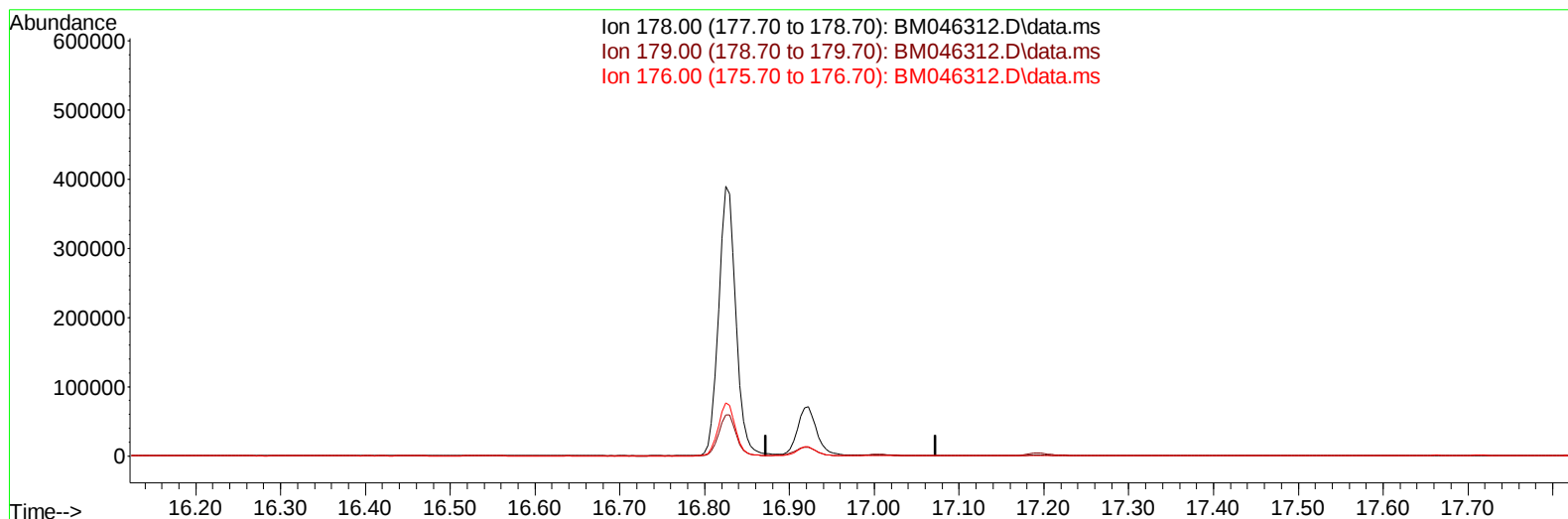
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046312.D
Acq On : 26 Jun 2024 04:15
Operator : MA/JU
Sample : P2909-05
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B84

Manual IntegrationsAPPROVED

Quant Time: Jun 26 05:20:43 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 : Wed Jun 26 03:24:28 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046312.D\data.ms

(16) Anthracene

16.972min (-16.972) 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

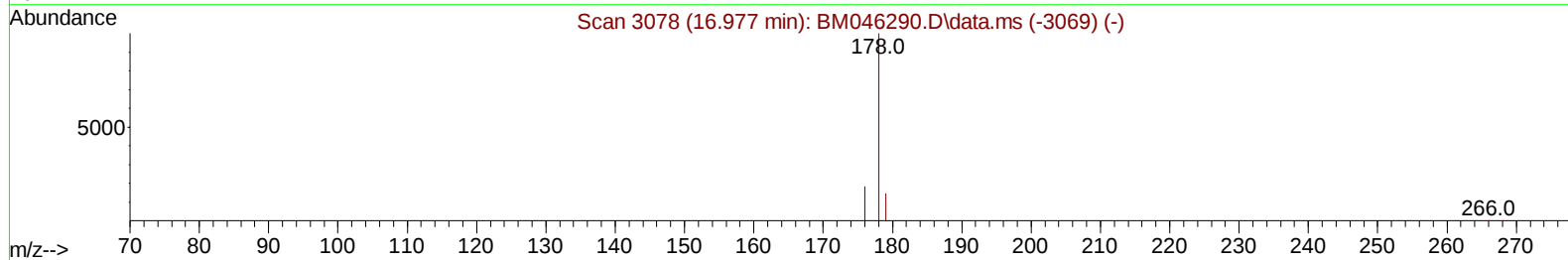
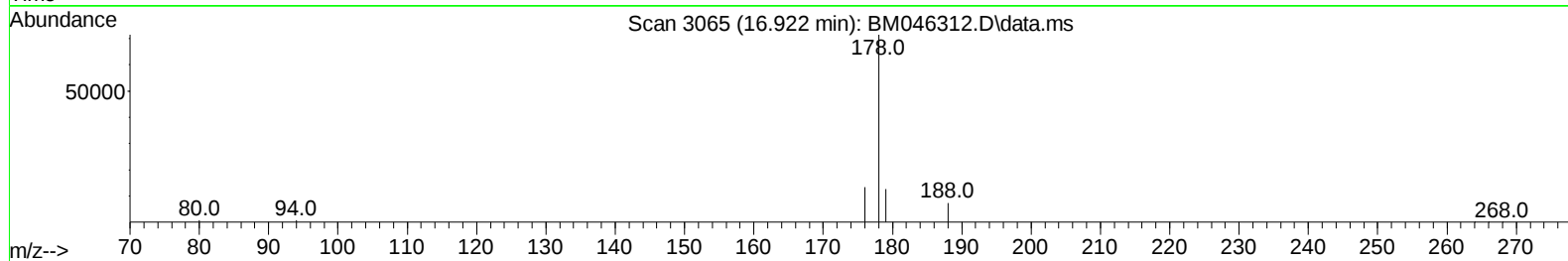
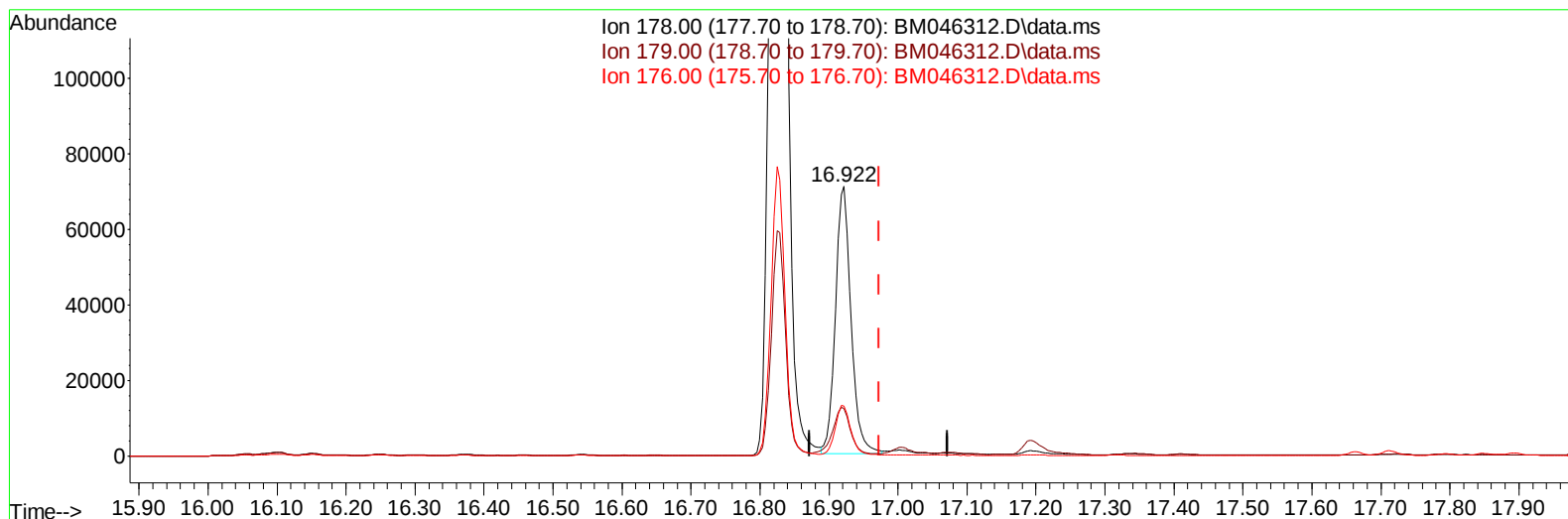
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046312.D
Acq On : 26 Jun 2024 04:15
Operator : MA/JU
Sample : P2909-05
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B84

Manual IntegrationsAPPROVED

Quant Time: Jun 26 05:20:43 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 : Wed Jun 26 03:24:28 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046312.D\data.ms

(16) Anthracene

16.922min (-0.051) 6.70 ng/u1 m

response 111792

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	17.70
176.00	21.20	18.55
0.00	0.00	0.00

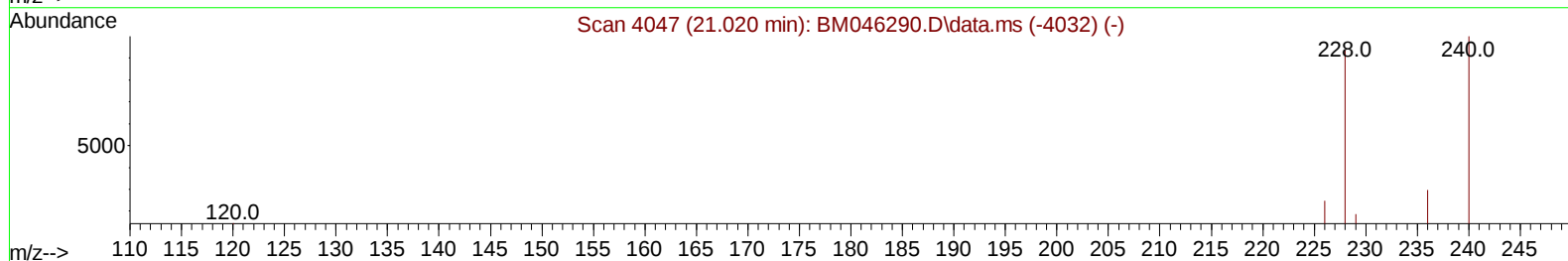
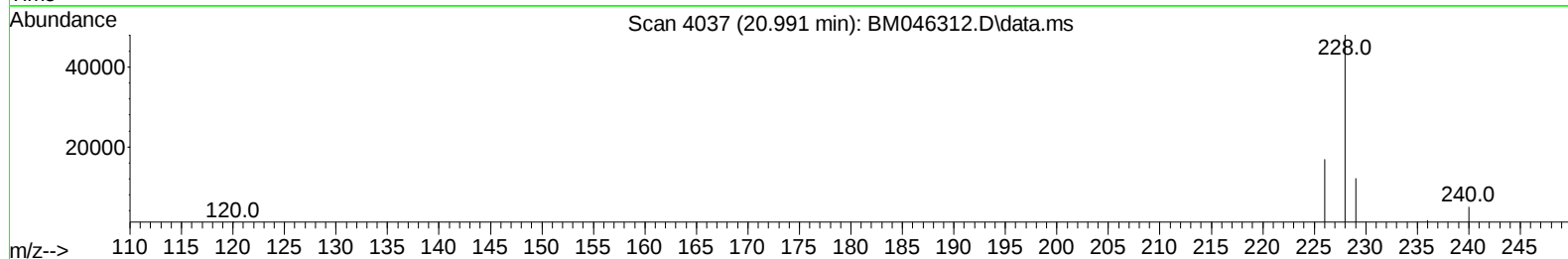
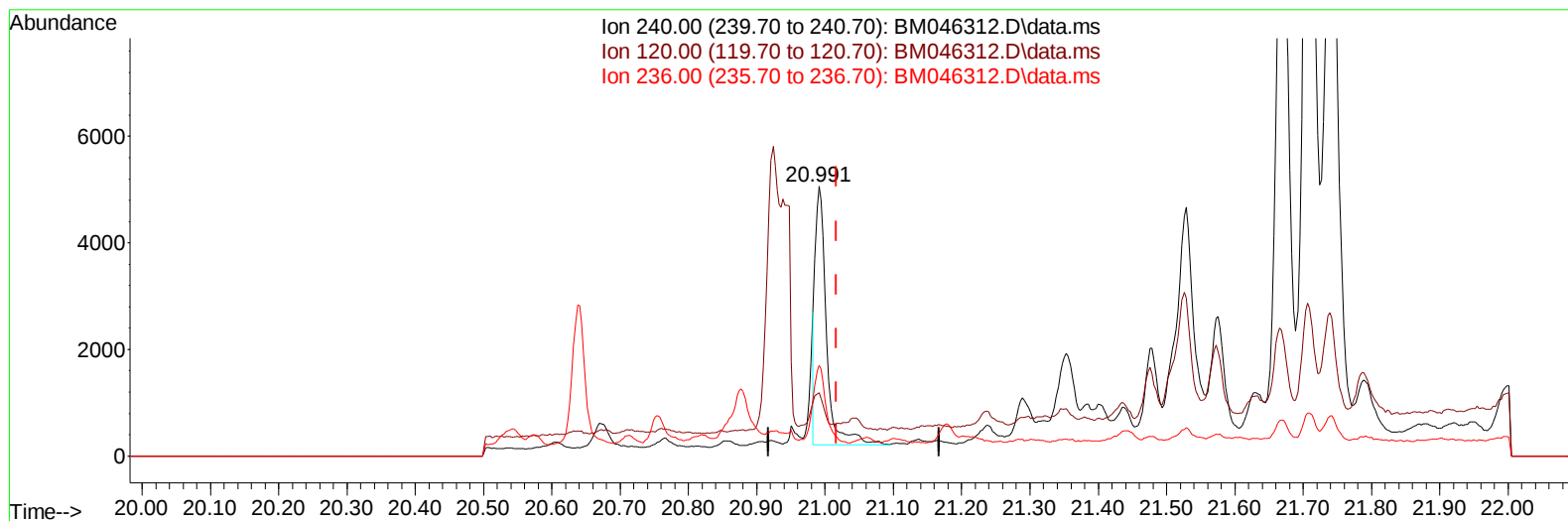
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046312.D
Acq On : 26 Jun 2024 04:15
Operator : MA/JU
Sample : P2909-05
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B84

Manual IntegrationsAPPROVED

Quant Time: Jun 26 05:20:43 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 : Wed Jun 26 03:24:28 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046312.D\data.ms

(17) Chrysene-d12

20.991min (-0.026) 0.40 ng/u1

response 5629

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	23.50
236.00	33.60	33.52
0.00	0.00	0.00

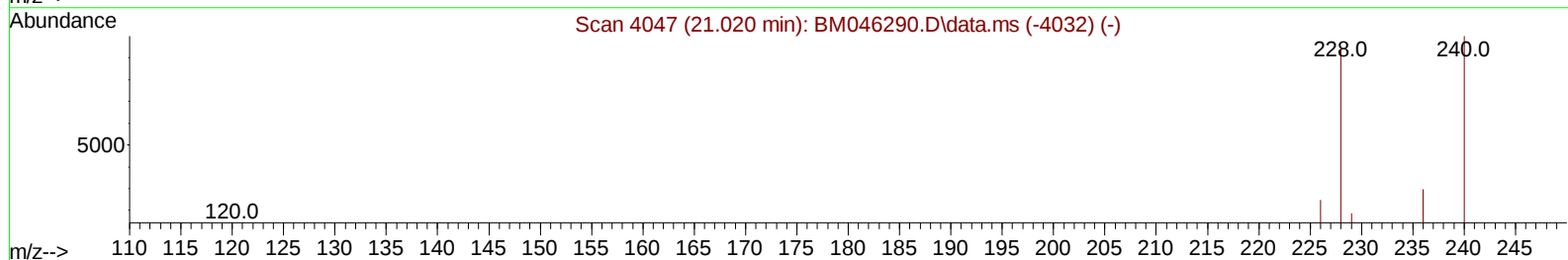
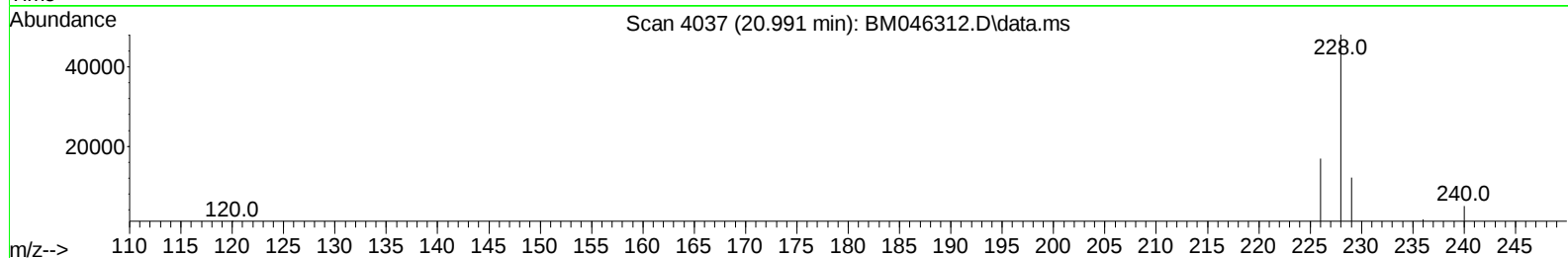
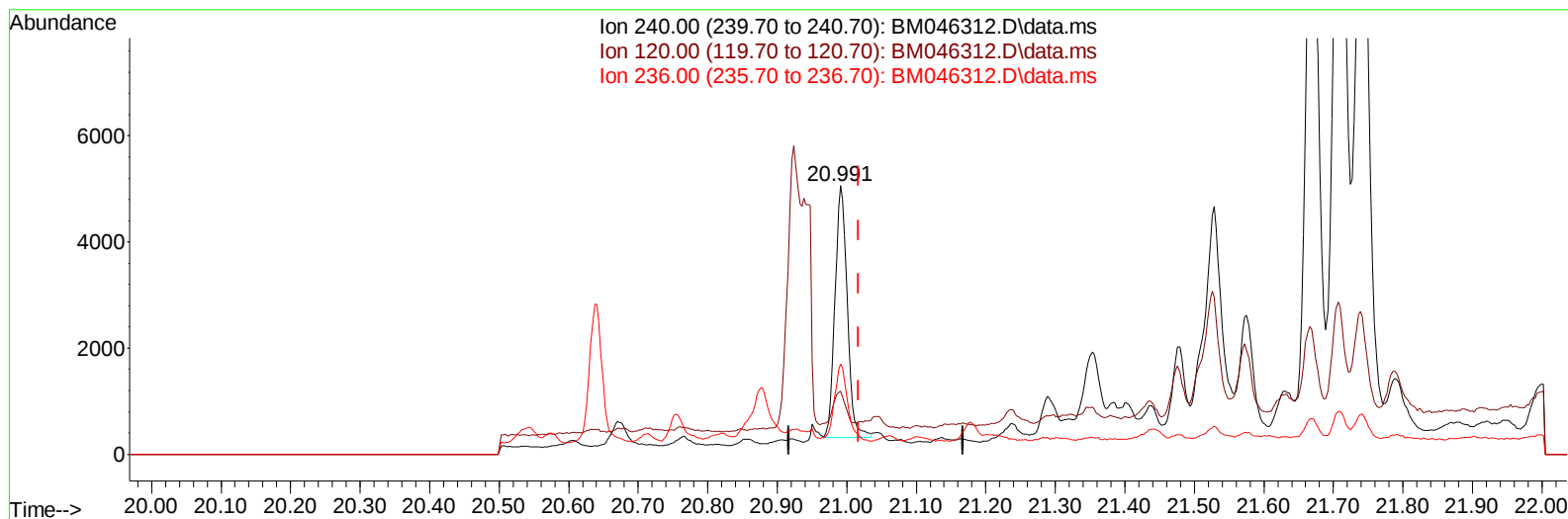
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046312.D
Acq On : 26 Jun 2024 04:15
Operator : MA/JU
Sample : P2909-05
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B84

Manual IntegrationsAPPROVED

Quant Time: Jun 26 05:20:43 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 : Wed Jun 26 03:24:28 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046312.D\data.ms

(17) Chrysene-d12

20.991min (-0.026) 0.40 ng/u1 m

response 5801

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	23.50
236.00	33.60	33.52
0.00	0.00	0.00

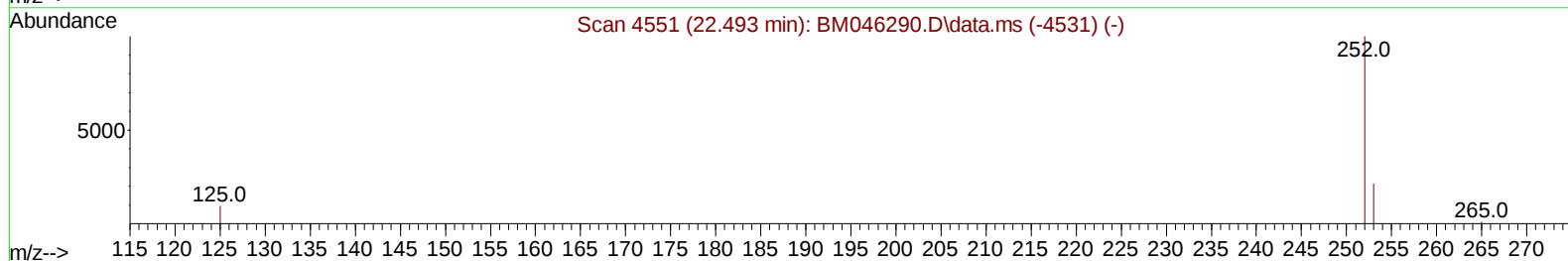
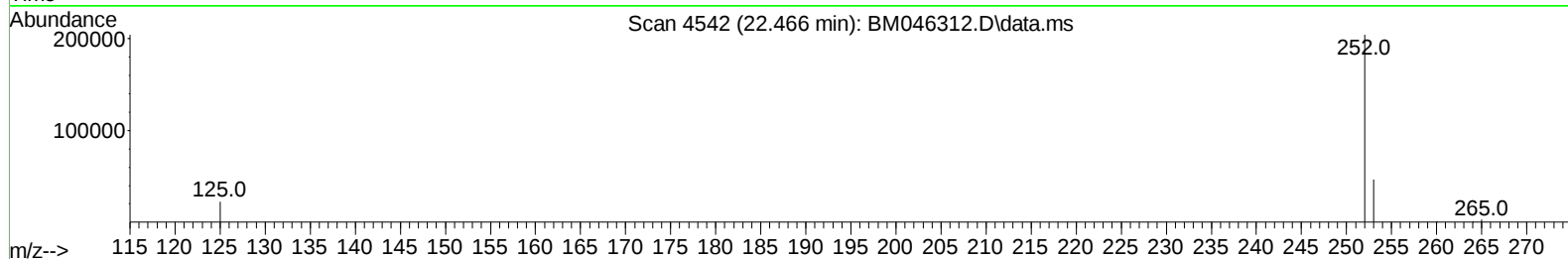
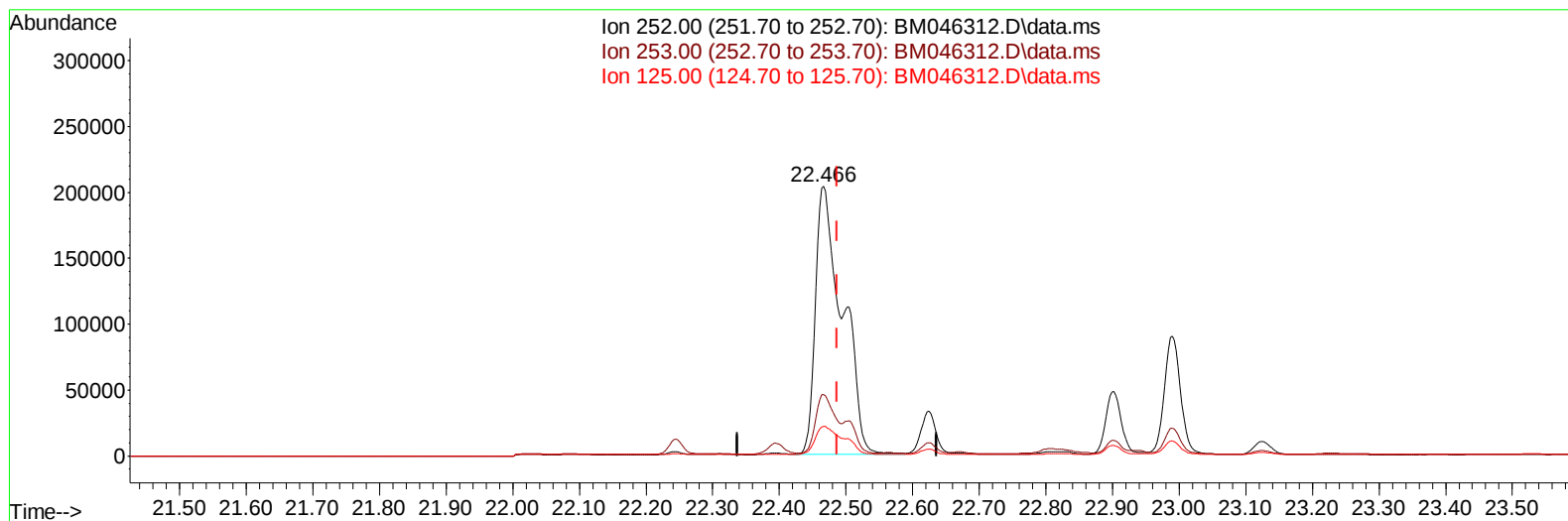
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046312.D
Acq On : 26 Jun 2024 04:15
Operator : MA/JU
Sample : P2909-05
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B84

Manual IntegrationsAPPROVED

Quant Time: Jun 26 05:20:43 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 : Wed Jun 26 03:24:28 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046312.D\data.ms

(24) Benzo(b)fluoranthene

22.466min (-0.020) 21.19 ng/u1

response 575642

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	22.80
125.00	20.10	11.02
0.00	0.00	0.00

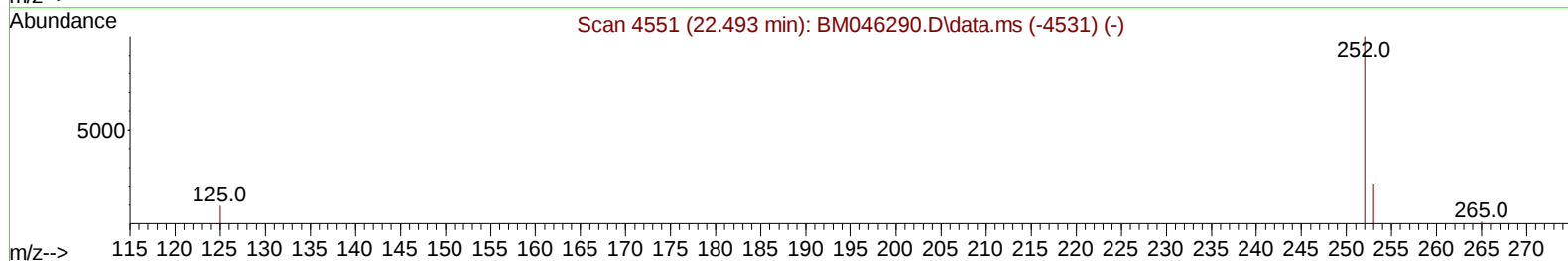
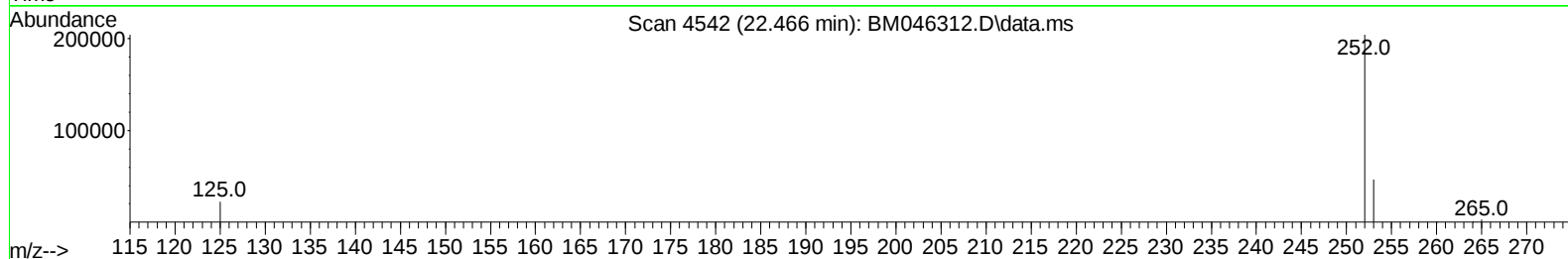
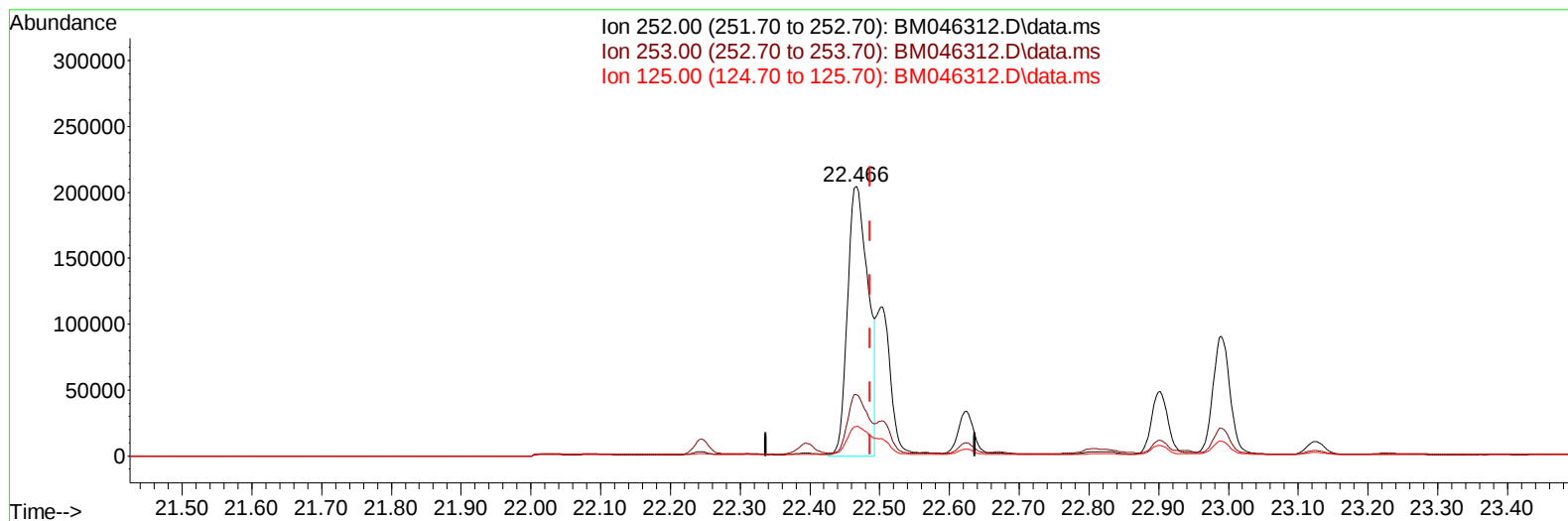
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046312.D
Acq On : 26 Jun 2024 04:15
Operator : MA/JU
Sample : P2909-05
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B84

Manual IntegrationsAPPROVED

Quant Time: Jun 26 05:20:43 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 : Wed Jun 26 03:24:28 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046312.D\data.ms

(24) Benzo(b)fluoranthene

22.466min (-0.020) 15.59 ng/u1 m

response 423467

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	22.80
125.00	20.10	11.02
0.00	0.00	0.00

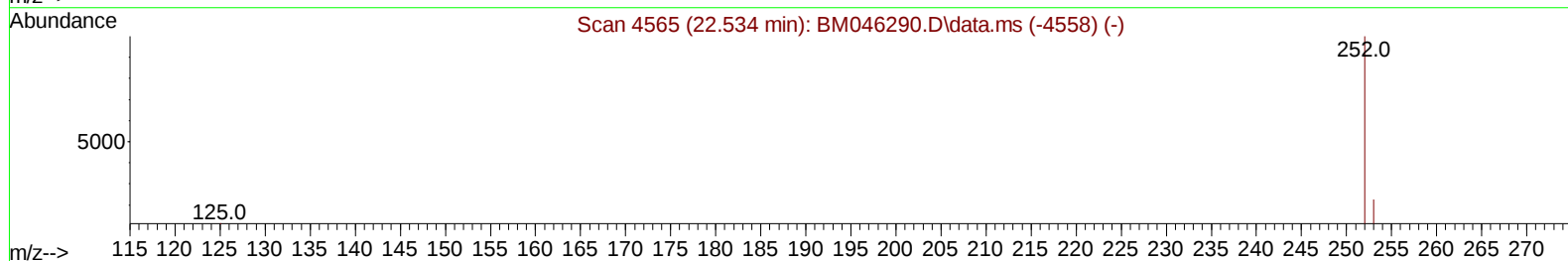
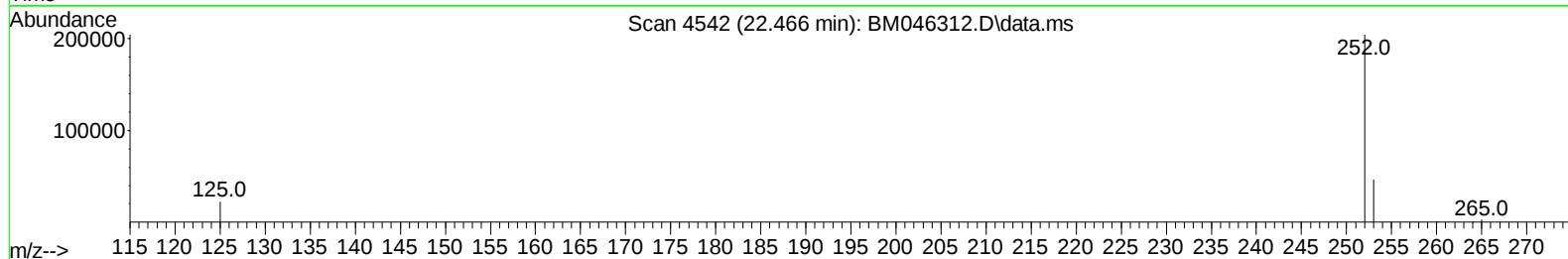
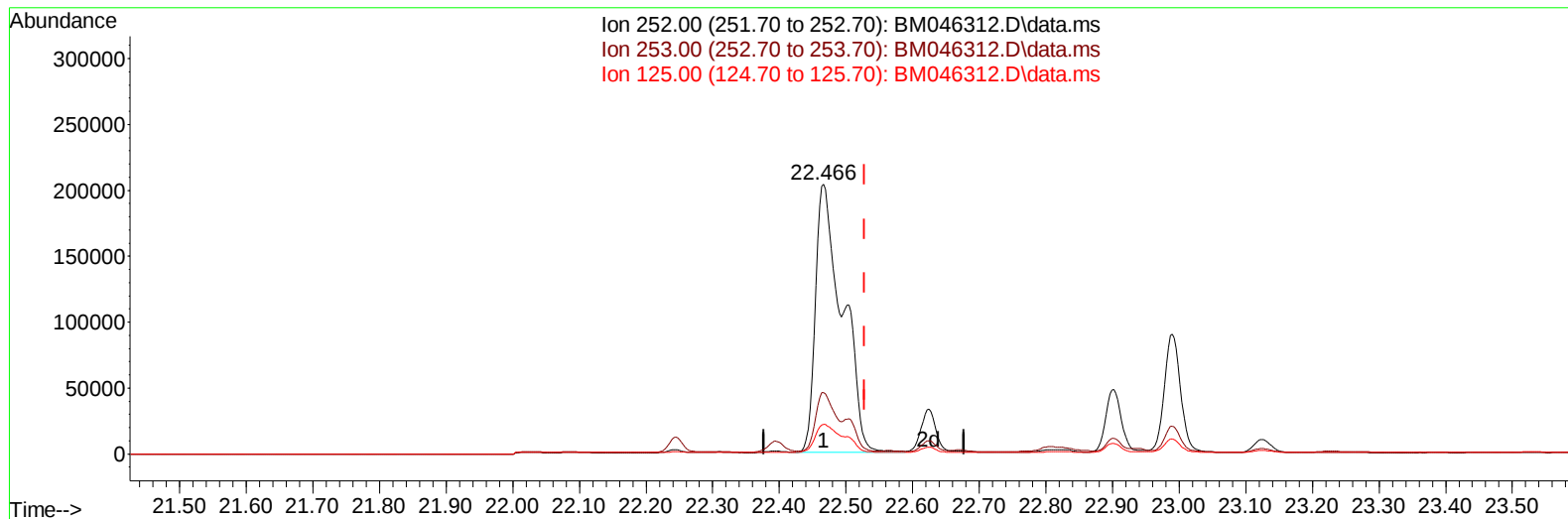
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046312.D
Acq On : 26 Jun 2024 04:15
Operator : MA/JU
Sample : P2909-05
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B84

Manual IntegrationsAPPROVED

Quant Time: Jun 26 05:20:43 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 : Wed Jun 26 03:24:28 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046312.D\data.ms

(25) Benzo(k)fluoranthene

22.466min (-0.061) 17.82 ng/u1

response 575642

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	22.80#
125.00	20.80	11.02#
0.00	0.00	0.00

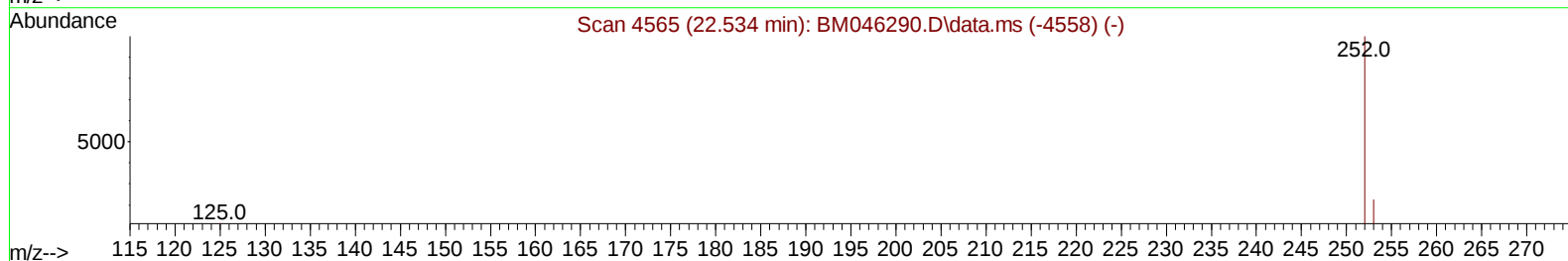
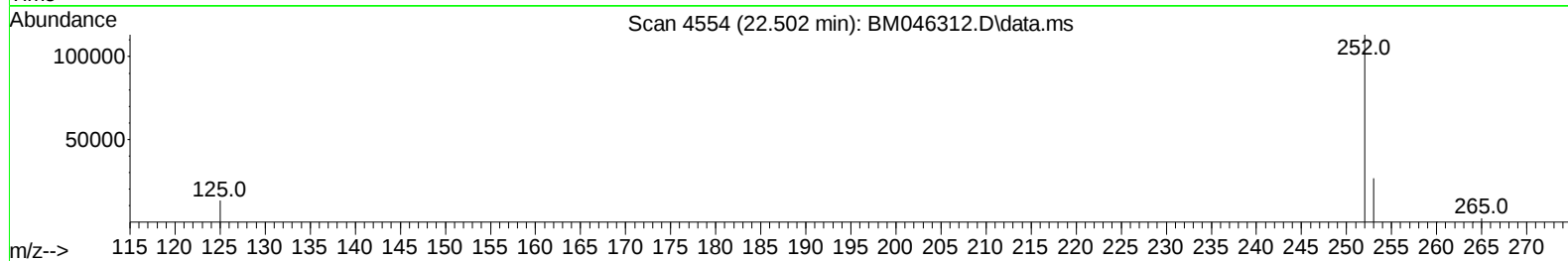
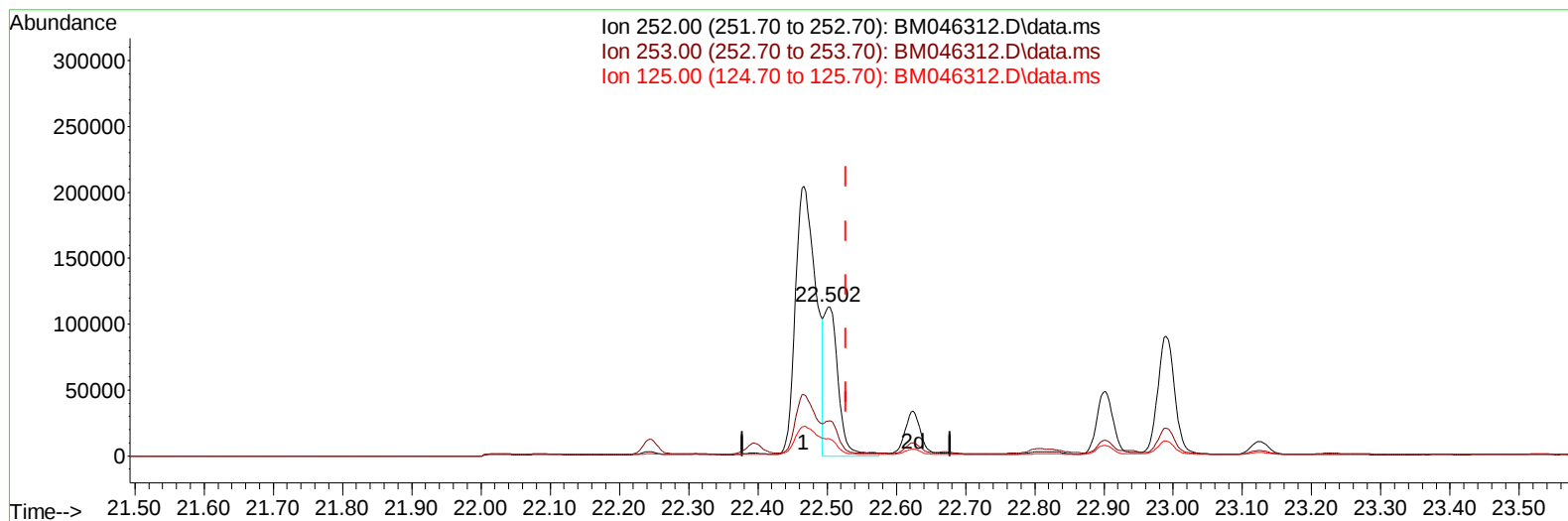
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046312.D
Acq On : 26 Jun 2024 04:15
Operator : MA/JU
Sample : P2909-05
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B84

Manual IntegrationsAPPROVED

Quant Time: Jun 26 05:20:43 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 : Wed Jun 26 03:24:28 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046312.D\data.ms

(25) Benzo(k)fluoranthene

22.502min (-0.026) 5.02 ng/u1 m

response 162176

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	23.40#
125.00	20.80	11.62#
0.00	0.00	0.00

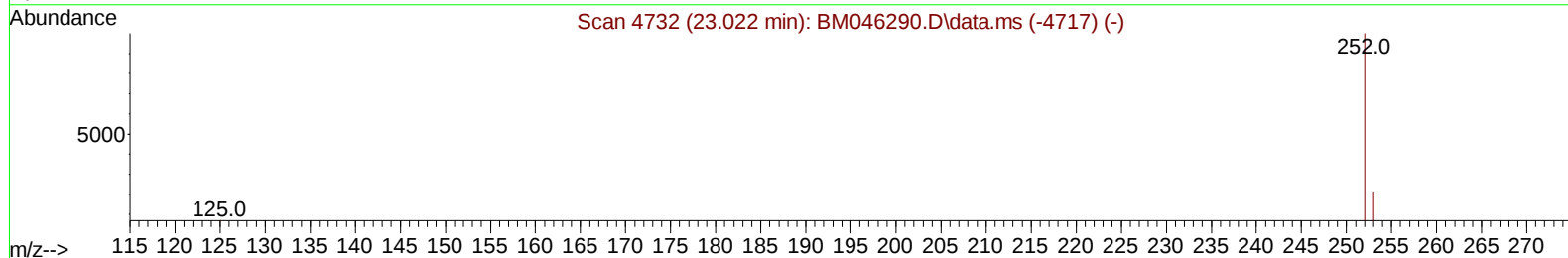
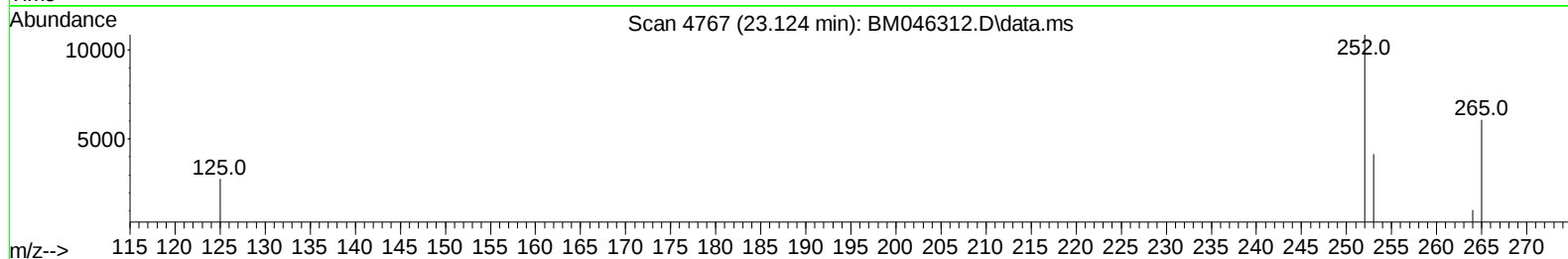
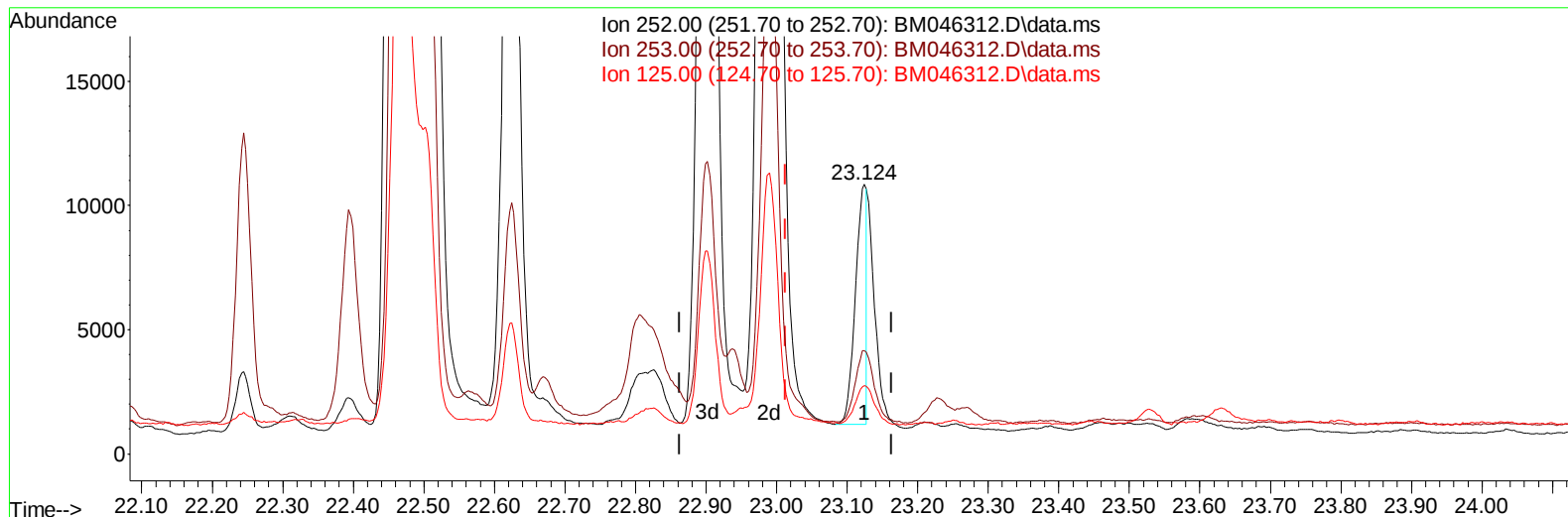
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046312.D
Acq On : 26 Jun 2024 04:15
Operator : MA/JU
Sample : P2909-05
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B84

Manual IntegrationsAPPROVED

Quant Time: Jun 26 05:20:43 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 : Wed Jun 26 03:24:28 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046312.D\data.ms

(26) Benzo(a)pyrene (C)

23.124min (+ 0.111) 0.43 ng/u1

response 10730

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	40.10	38.33
125.00	26.50	25.48
0.00	0.00	0.00

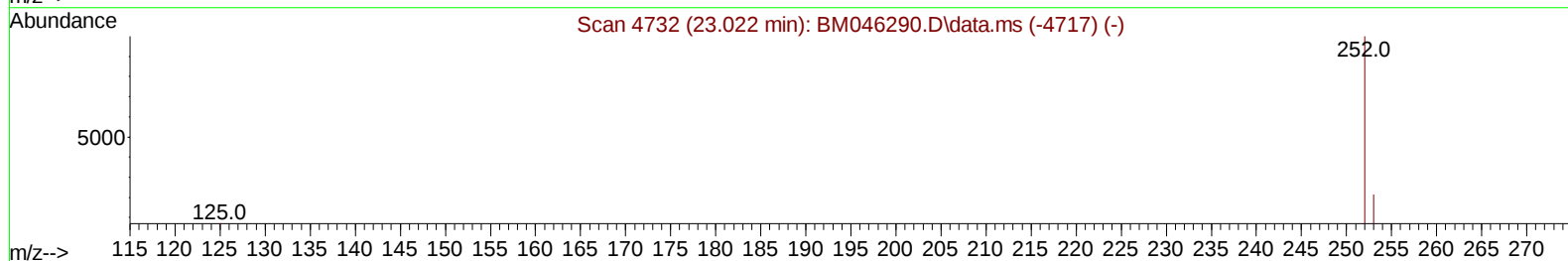
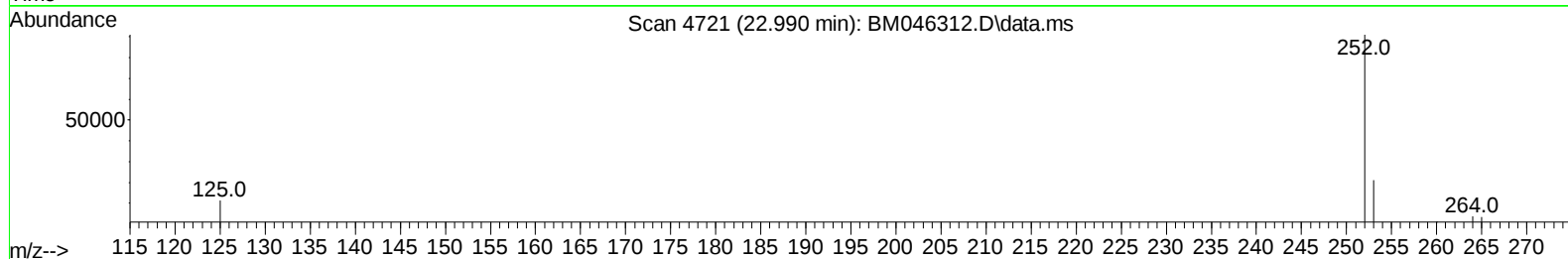
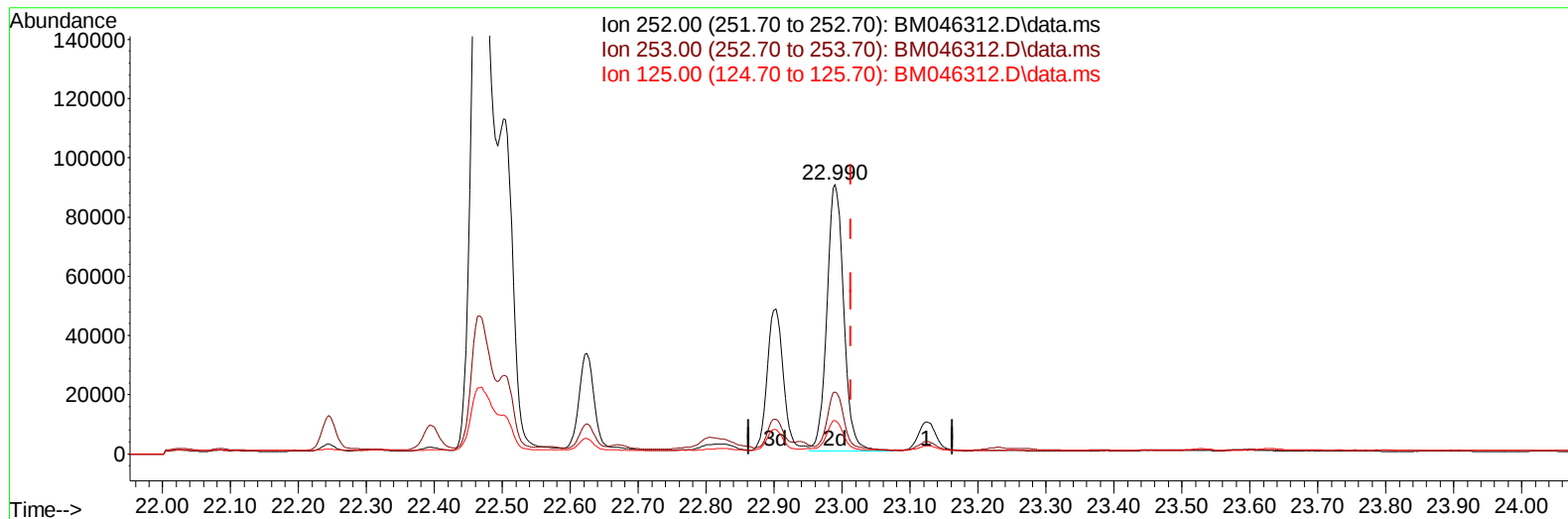
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046312.D
Acq On : 26 Jun 2024 04:15
Operator : MA/JU
Sample : P2909-05
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B84

Manual IntegrationsAPPROVED

Quant Time: Jun 26 05:20:43 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 : Wed Jun 26 03:24:28 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046312.D\data.ms

(26) Benzo(a)pyrene (C)

22.990min (-0.023) 6.16 ng/u1 m

response 154973

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	40.10	23.05#
125.00	26.50	12.44#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
 Data File : BM046312.D
 Acq On : 26 Jun 2024 04:15
 Operator : MA/JU
 Sample : P2909-05
 Misc :
 ALS Vial : 73 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4B84

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/26/2024
 Supervised By :mohammad ahmed 06/27/2024

Quant Time: Jun 26 05:20:43 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 : Wed Jun 26 03:24:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.392	152	1832	0.400	ng/ul	-0.05
4) Naphthalene-d8	10.161	136	5615	0.400	ng/ul	-0.06
9) Acenaphthene-d10	14.044	164	3337	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.787	188	7975m	0.400	ng/ul	-0.05
17) Chrysene-d12	20.991	240	5801m	0.400	ng/ul	-0.03
23) Perylene-d12	23.080	264	7540	0.400	ng/ul	#-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.017	96	9312	3.705	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.789	152	2243	0.298	ng/ul	-0.05
18) Fluoranthene-d10	18.821	212	6099	0.351	ng/ul	-0.04
Target Compounds						
						Qvalue
5) Naphthalene	10.211	128	7889	0.504	ng/ul	97
7) 2-Methylnaphthalene	11.860	142	3529	0.400	ng/ul	96
8) 1-Methylnaphthalene	12.075	142	3411	0.353	ng/ul	100
10) Acenaphthylene	13.757	152	7604	0.480	ng/ul	98
11) Acenaphthene	14.104	153	22381	1.959	ng/ul	98
12) Fluorene	15.099	166	29234	2.384	ng/ul	99
15) Phenanthrene	16.825	178	552427m	24.655	ng/ul	
16) Anthracene	16.922	178	111792m	6.699	ng/ul	
19) Fluoranthene	18.854	202	862486	34.338	ng/ul#	94
20) Pyrene	19.216	202	542910	19.987	ng/ul	95
21) Benzo(a)anthracene	20.974	228	344741	15.385	ng/ul	99
22) Chrysene	21.026	228	326827	11.429	ng/ul	99
24) Benzo(b)fluoranthene	22.466	252	423467m	15.589	ng/ul	
25) Benzo(k)fluoranthene	22.502	252	162176m	5.022	ng/ul	
26) Benzo(a)pyrene	22.990	252	154973m	6.157	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.118	276	139259	3.380	ng/ul#	96
28) Dibenzo(a,h)anthracene	25.118	278	54775	1.786	ng/ul	92
29) Benzo(g,h,i)perylene	25.739	276	19619	0.555	ng/ul	97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046312.D
Acq On : 26 Jun 2024 04:15
Operator : MA/JU
Sample : P2909-05
Misc :
ALS Vial : 73 Sample Multiplier: 3

Instrument :
BNA_M
ClientSampleId :
A4B84

Manual IntegrationsAPPROVED

Quant Time: Jun 26 05:20:43 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 : Wed Jun 26 03:24:28 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024

