

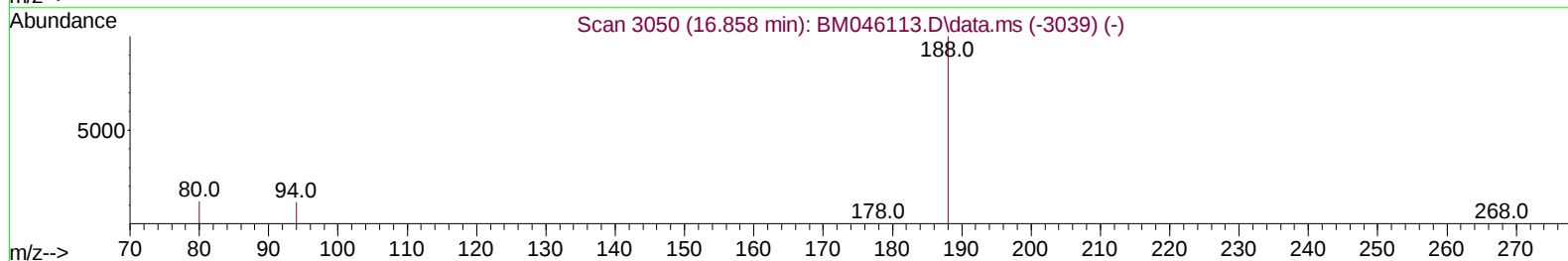
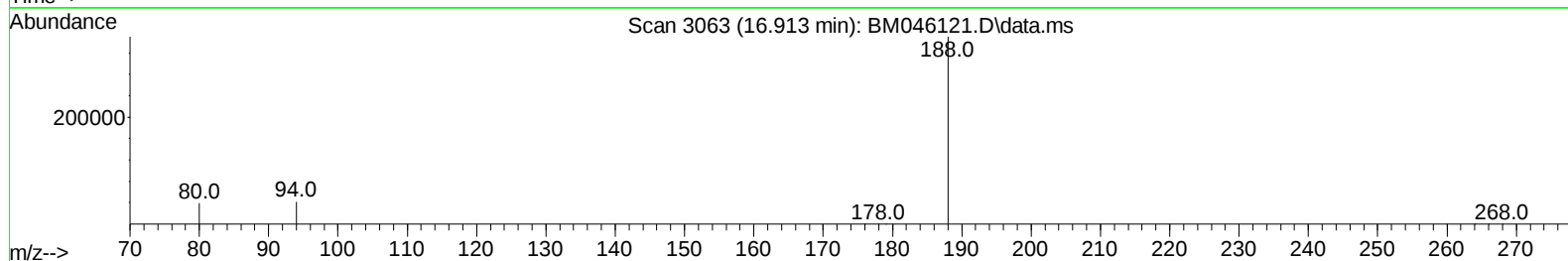
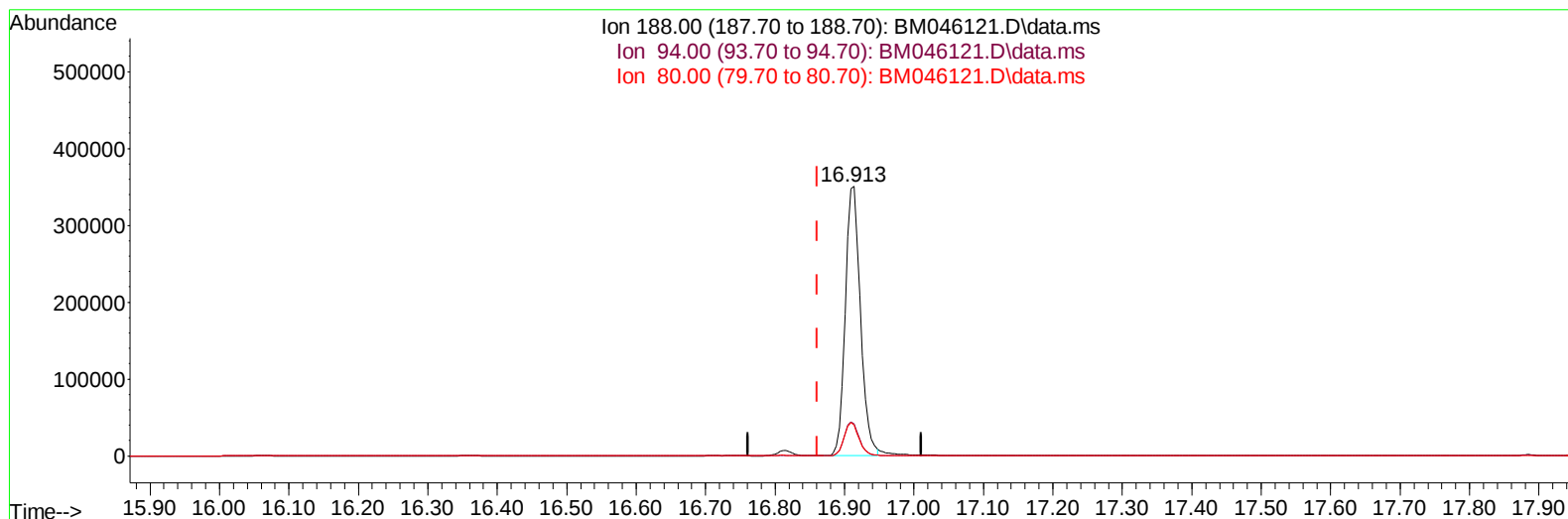
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046121.D
Acq On : 20 Jun 2024 13:54
Operator : MA/JU
Sample : P2710-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BL7

Manual IntegrationsAPPROVED

Quant Time: Jun 20 14:53:08 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 : Tue Jun 18 13:58:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046121.D\data.ms

(13) Phenanthrene-d10 (I)

16.913min (+ 0.052) 0.40 ng/u1

response 531232

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	11.96
80.00	15.20	11.36#
0.00	0.00	0.00

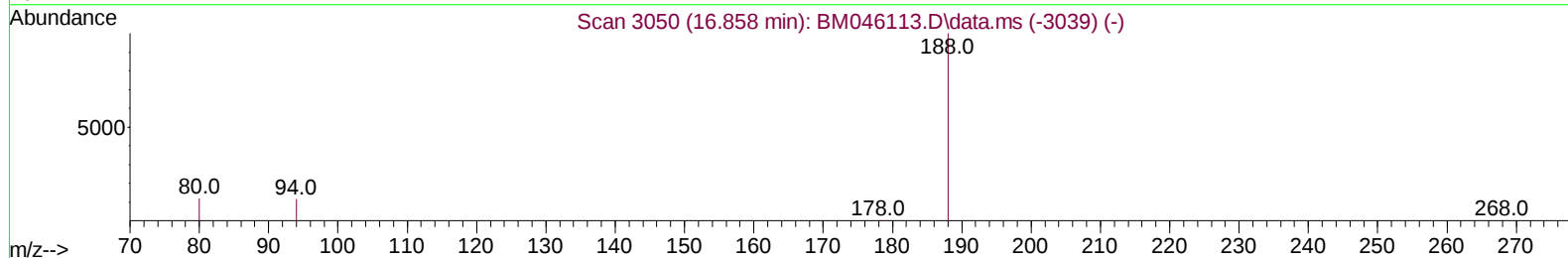
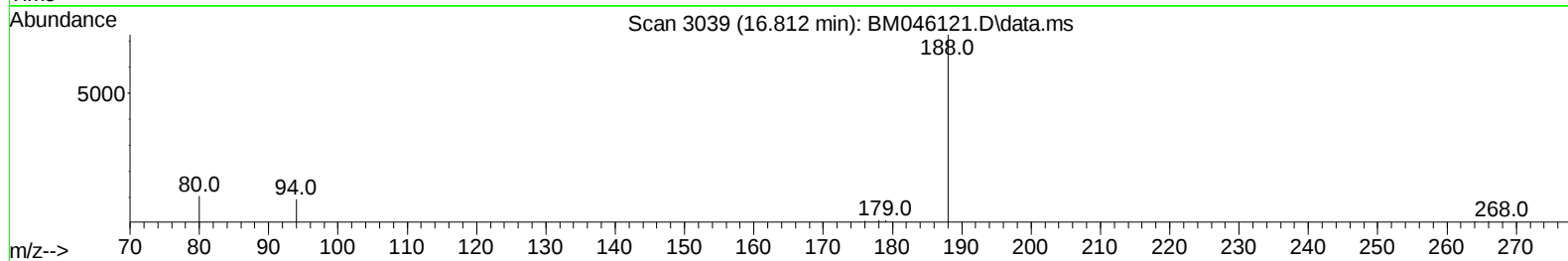
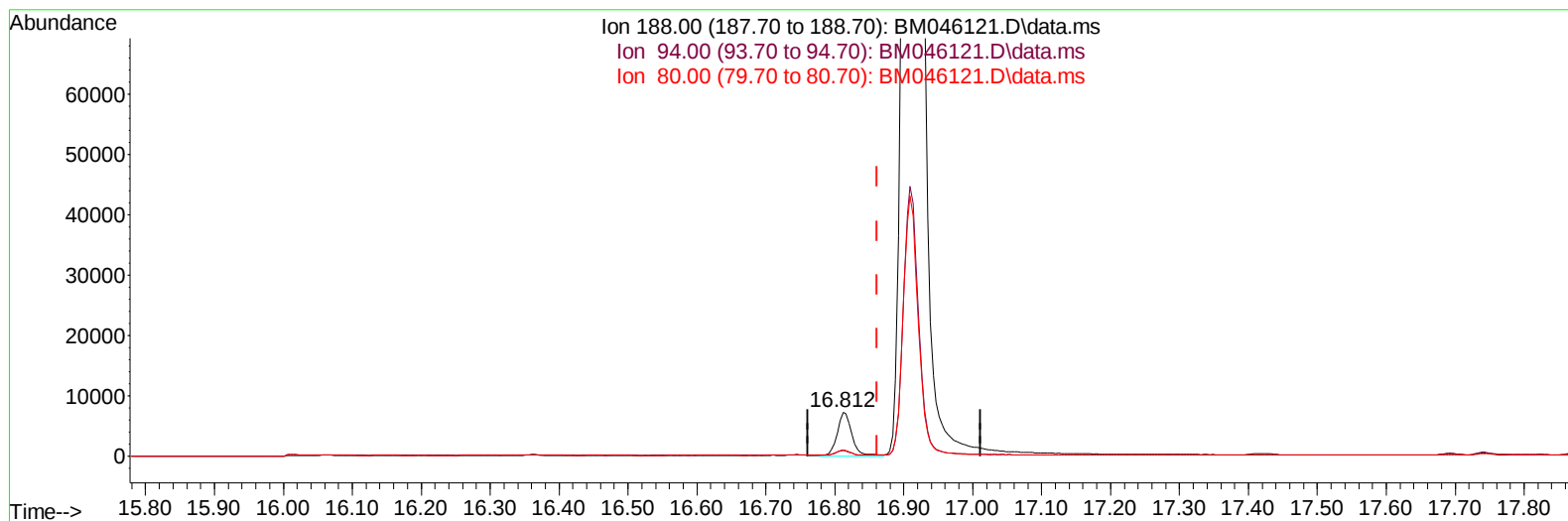
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046121.D
Acq On : 20 Jun 2024 13:54
Operator : MA/JU
Sample : P2710-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BL7

Manual IntegrationsAPPROVED

Quant Time: Jun 20 14:53:08 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 : Tue Jun 18 13:58:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046121.D\data.ms

(13) Phenanthrene-d10 (I)

16.812min (-0.049) 0.40 ng/u1 m

response 10665

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.75
80.00	15.20	14.40
0.00	0.00	0.00

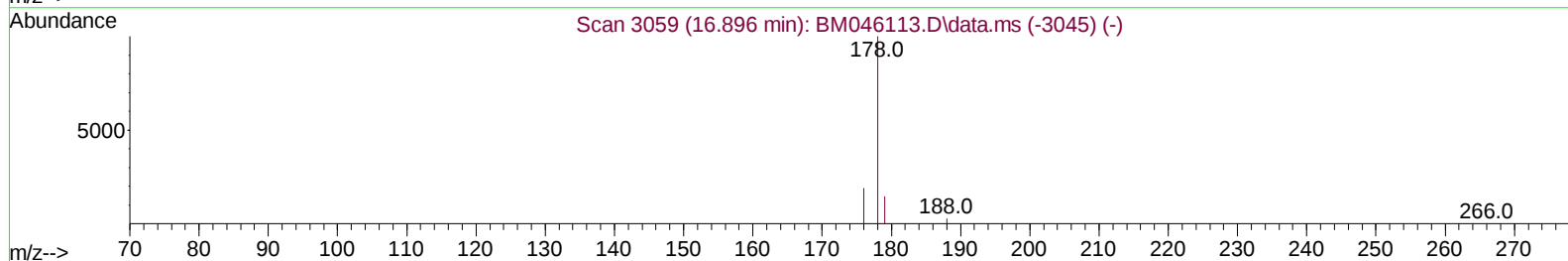
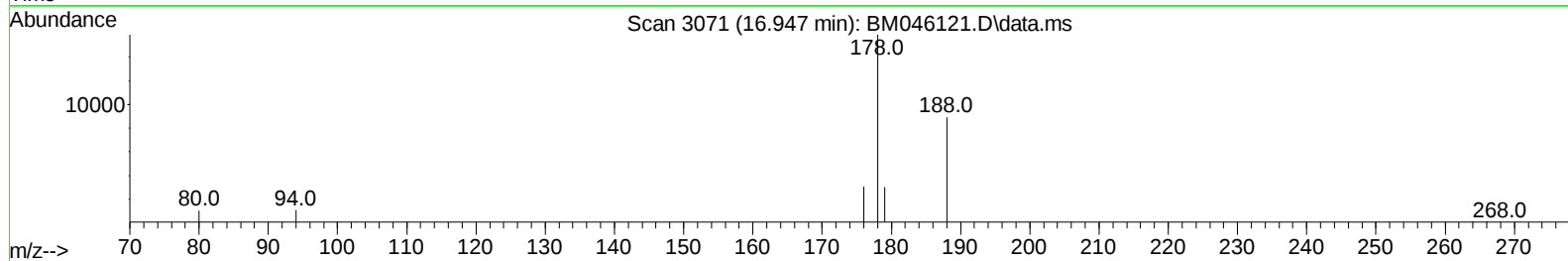
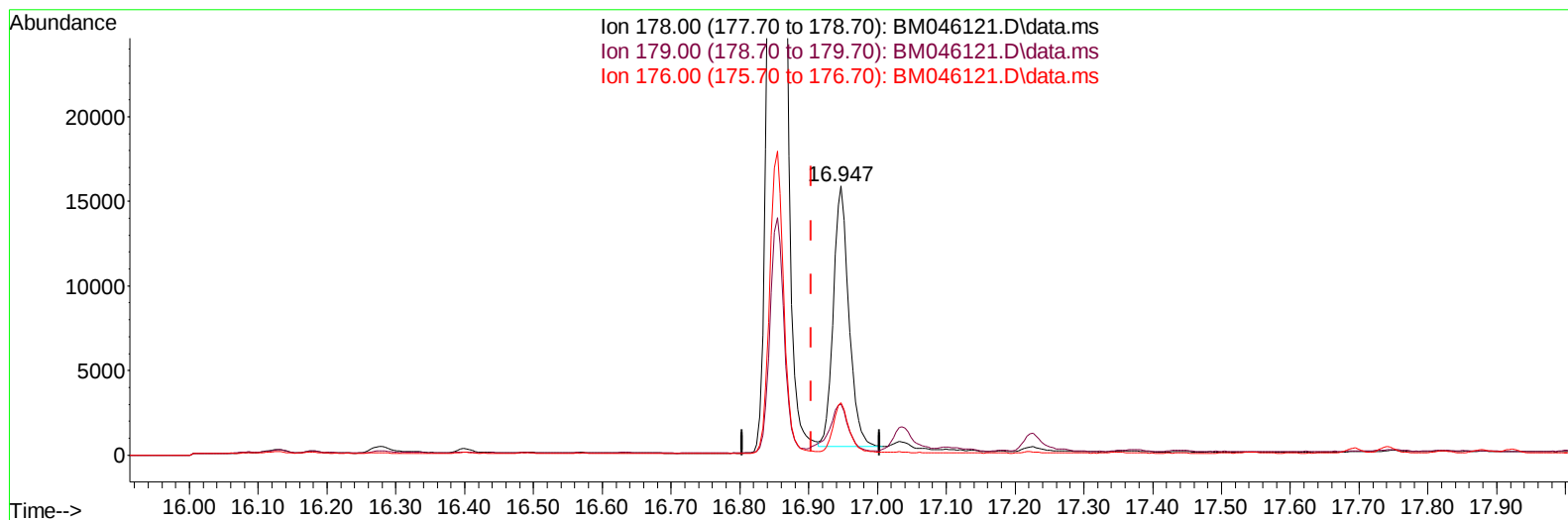
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046121.D
Acq On : 20 Jun 2024 13:54
Operator : MA/JU
Sample : P2710-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BL7

Manual IntegrationsAPPROVED

Quant Time: Jun 20 14:53:08 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 : Tue Jun 18 13:58:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046121.D\data.ms

(15) Phenanthrene

16.947min (+ 0.044) 0.81 ng/u1

response 24271

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	18.93
176.00	21.40	19.43
0.00	0.00	0.00

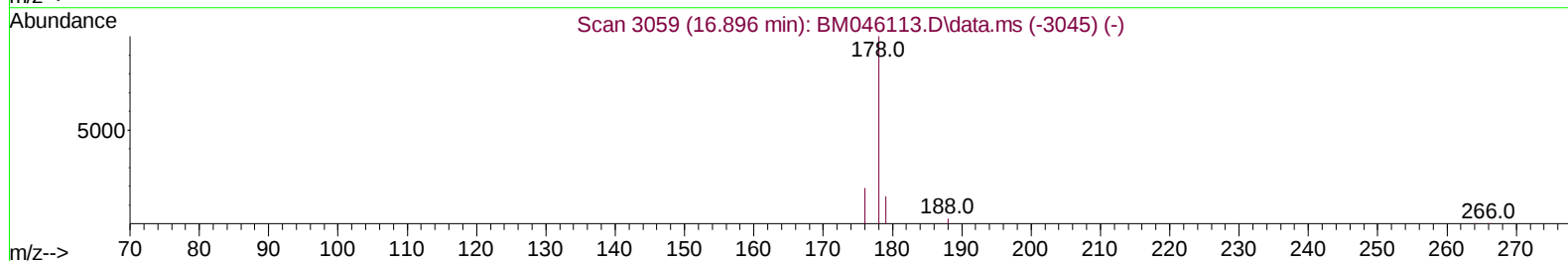
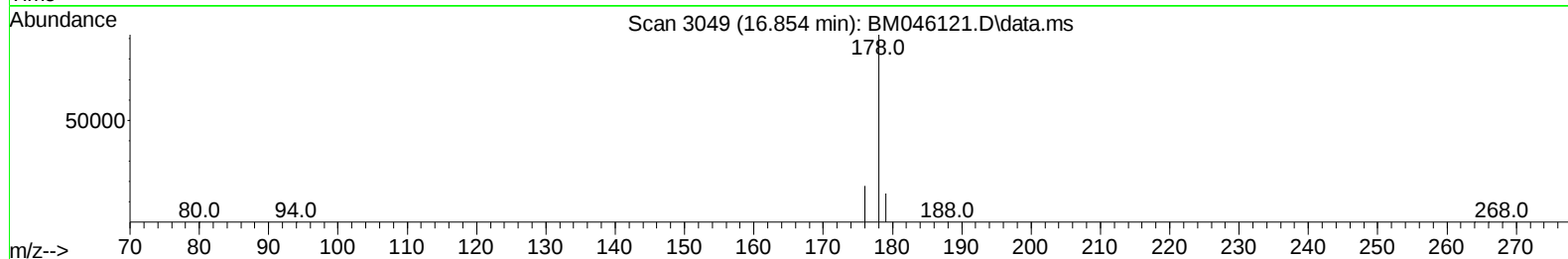
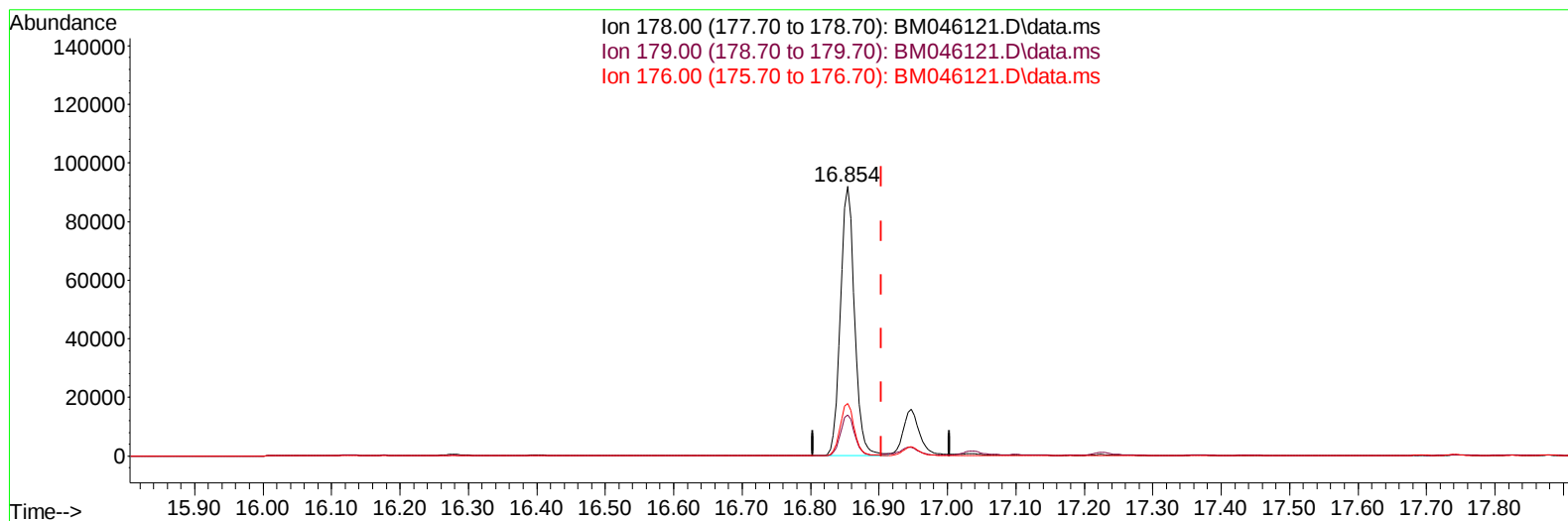
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046121.D
Acq On : 20 Jun 2024 13:54
Operator : MA/JU
Sample : P2710-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BL7

Manual IntegrationsAPPROVED

Quant Time: Jun 20 14:53:08 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 : Tue Jun 18 13:58:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046121.D\data.ms

(15) Phenanthrene

16.854min (-0.049) 4.36 ng/ul m

response 130766

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.28
176.00	21.40	19.53
0.00	0.00	0.00

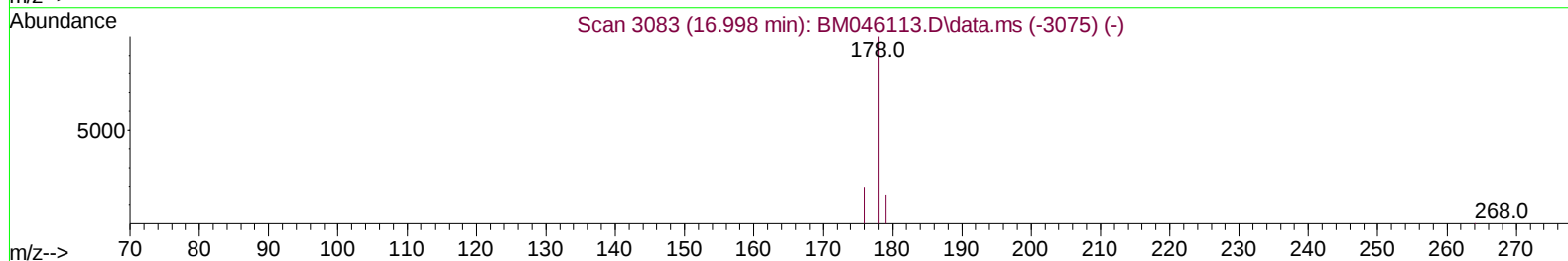
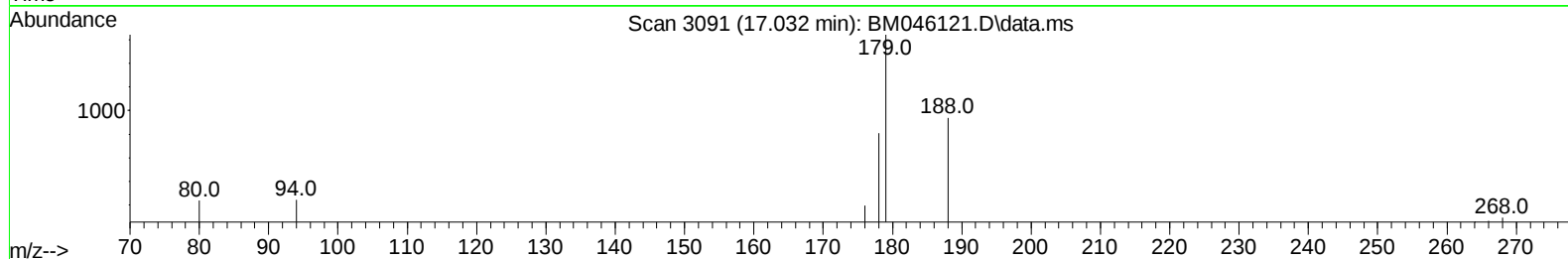
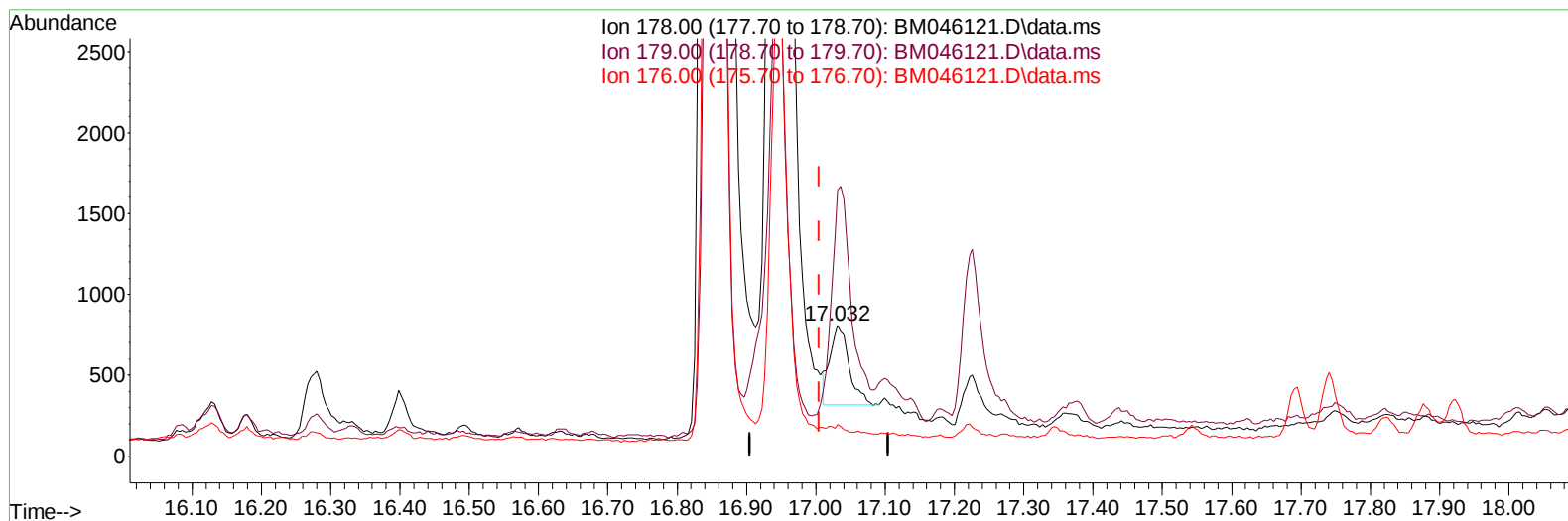
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046121.D
Acq On : 20 Jun 2024 13:54
Operator : MA/JU
Sample : P2710-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BL7

Manual IntegrationsAPPROVED

Quant Time: Jun 20 14:53:08 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 : Tue Jun 18 13:58:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046121.D\data.ms

(16) Anthracene

17.032min (+ 0.027) 0.04 ng/u1

response 930

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	203.97#
176.00	21.20	24.07
0.00	0.00	0.00

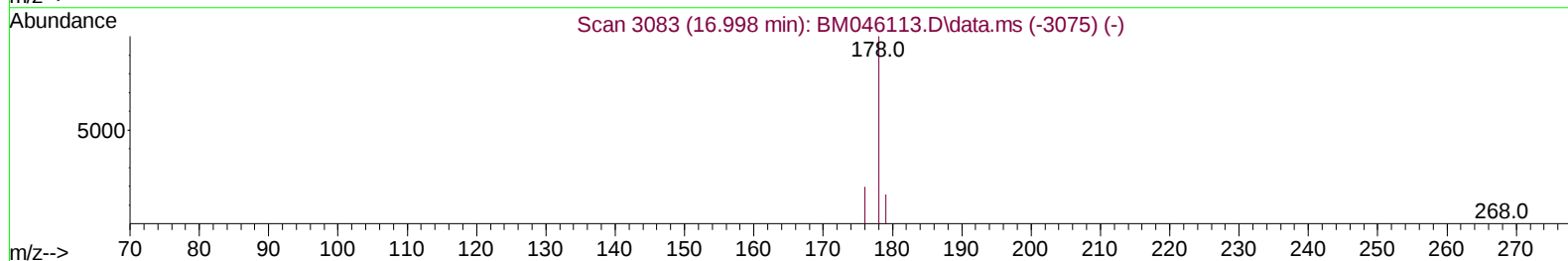
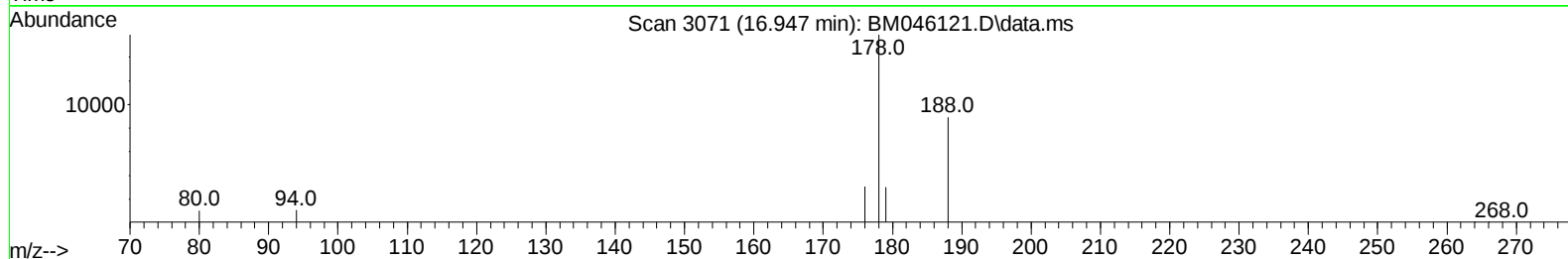
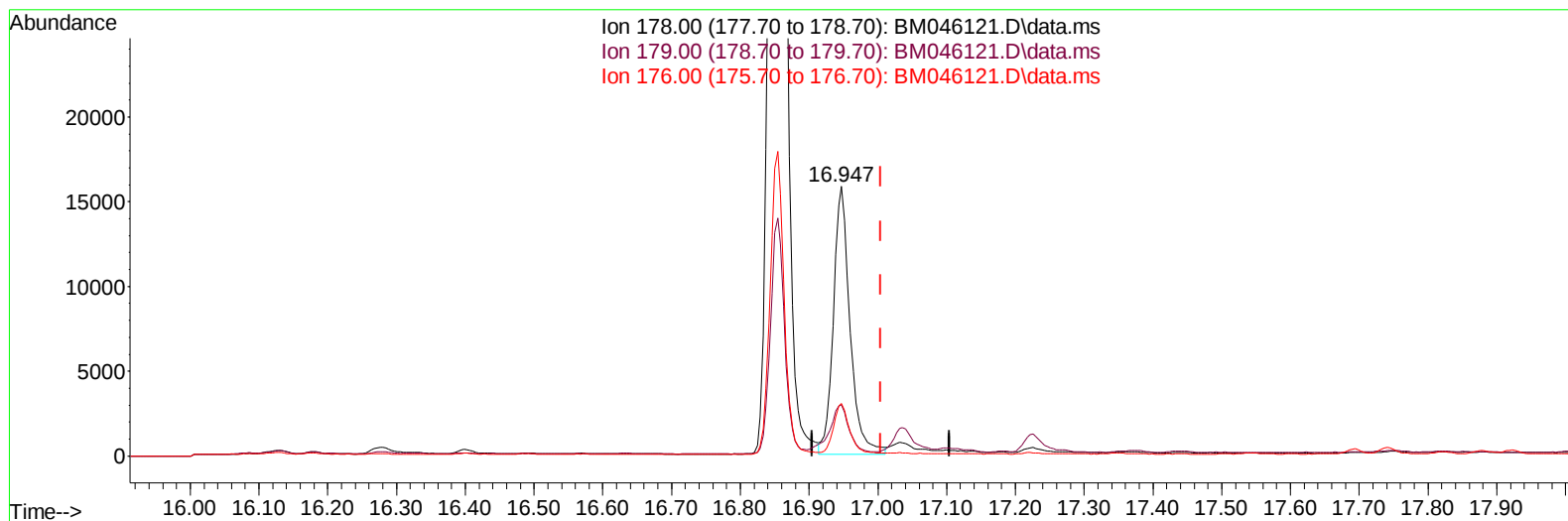
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046121.D
Acq On : 20 Jun 2024 13:54
Operator : MA/JU
Sample : P2710-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BL7

Manual IntegrationsAPPROVED

Quant Time: Jun 20 14:53:08 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 : Tue Jun 18 13:58:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046121.D\data.ms

(16) Anthracene

16.947min (-0.058) 1.19 ng/u1 m

response 26594

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	18.93
176.00	21.20	19.43
0.00	0.00	0.00

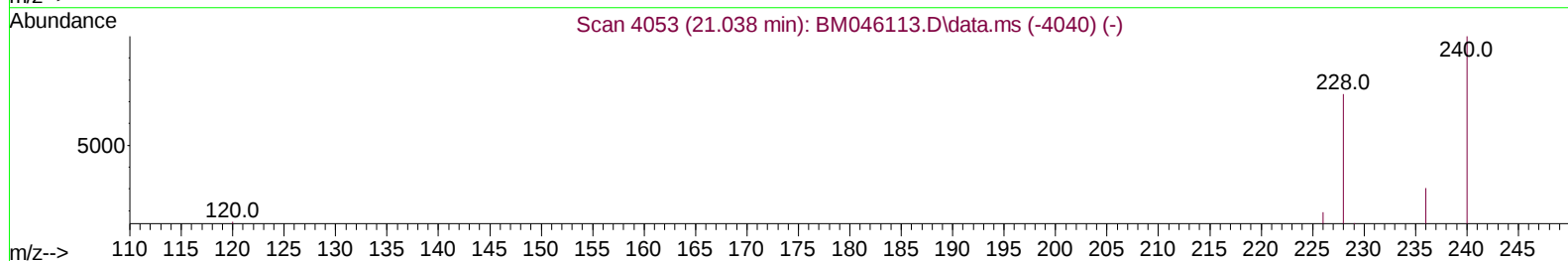
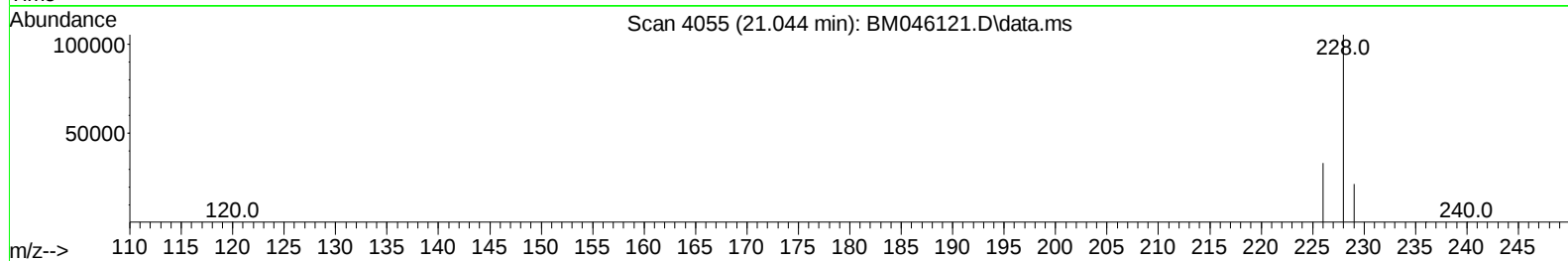
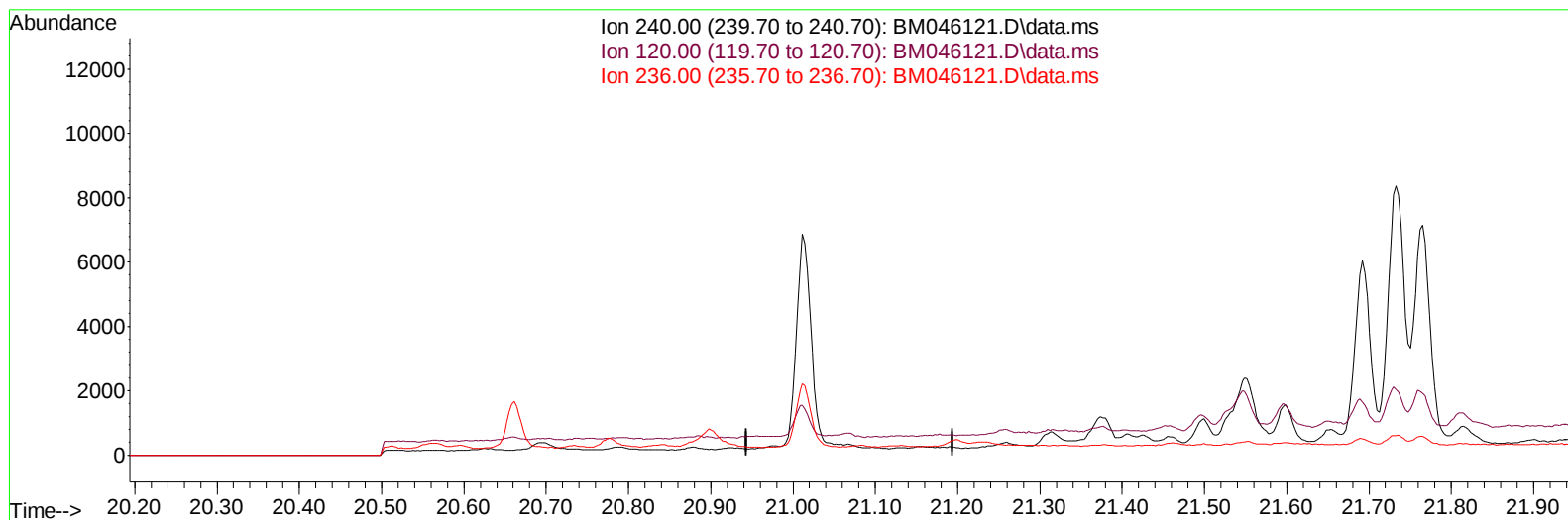
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046121.D
Acq On : 20 Jun 2024 13:54
Operator : MA/JU
Sample : P2710-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BL7

Manual IntegrationsAPPROVED

Quant Time: Jun 20 14:53:08 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 : Tue Jun 18 13:58:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046121.D\data.ms

(17) Chrysene-d12

21.044min (-21.044) 0.00 ng/u1

response 0

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

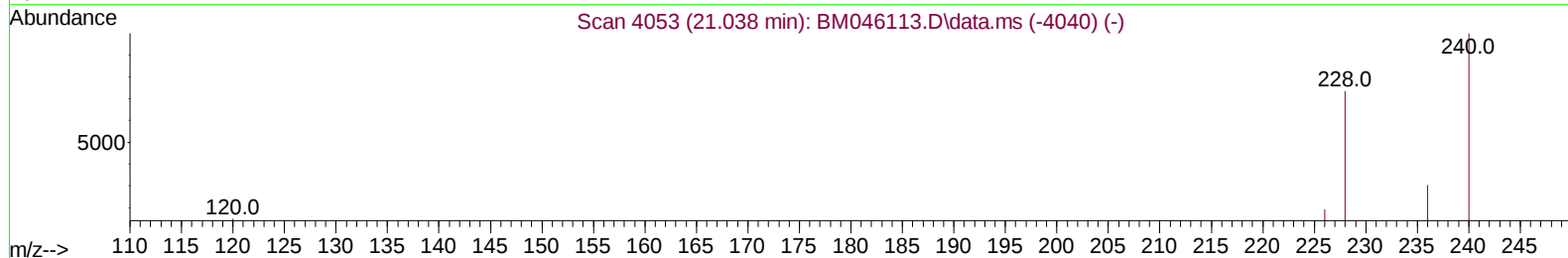
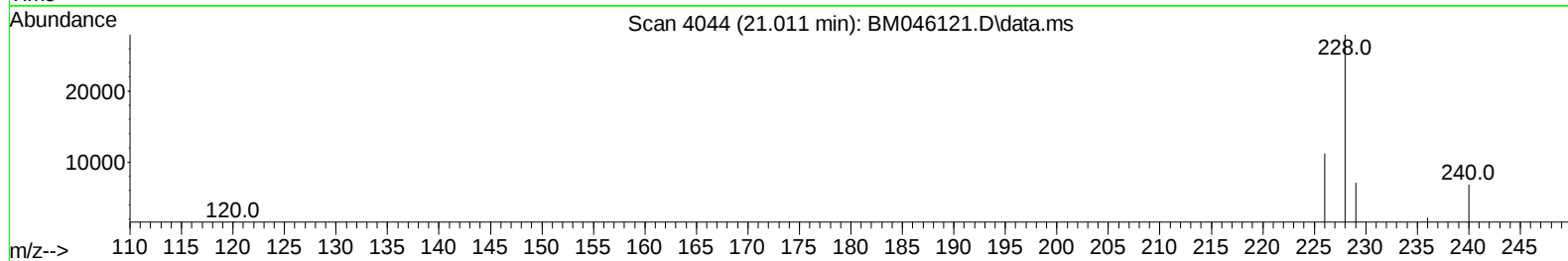
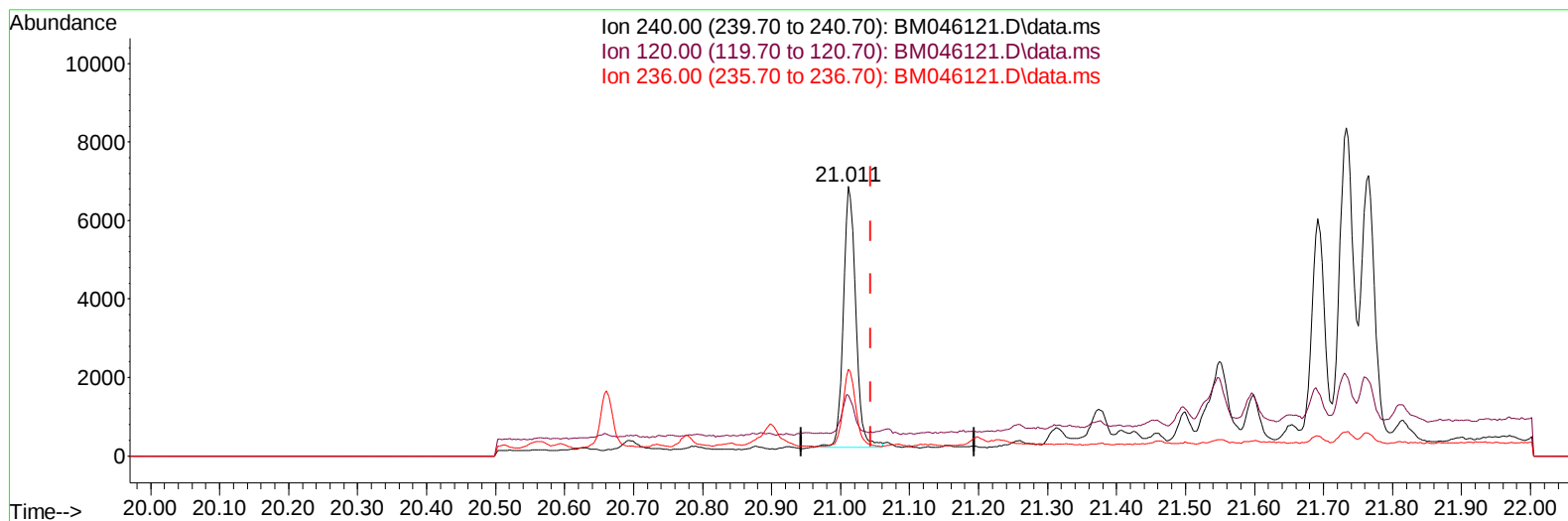
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046121.D
Acq On : 20 Jun 2024 13:54
Operator : MA/JU
Sample : P2710-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BL7

Manual IntegrationsAPPROVED

Quant Time: Jun 20 14:53:08 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 : Tue Jun 18 13:58:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046121.D\data.ms

(17) Chrysene-d12

21.011min (-0.032) 0.40 ng/u1 m

response 8295

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	22.56
236.00	33.60	32.26
0.00	0.00	0.00

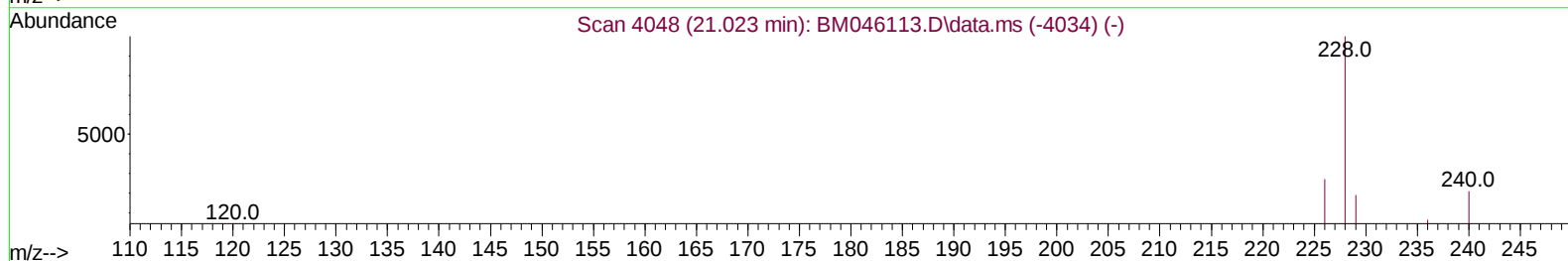
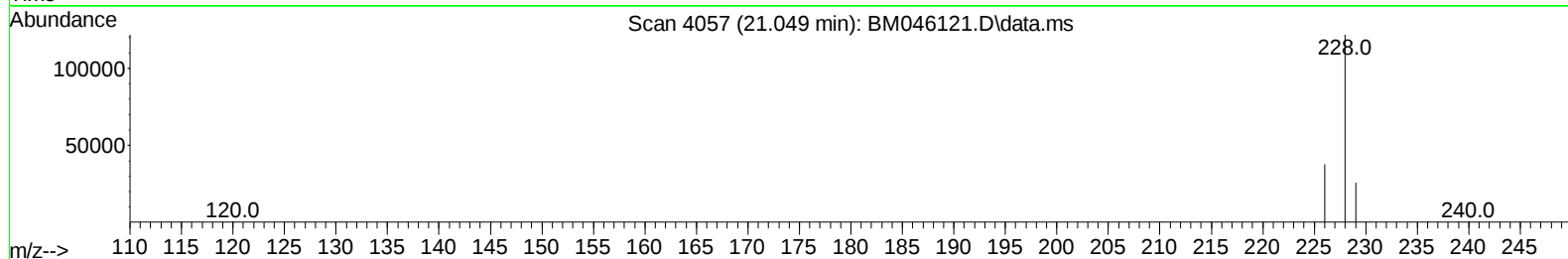
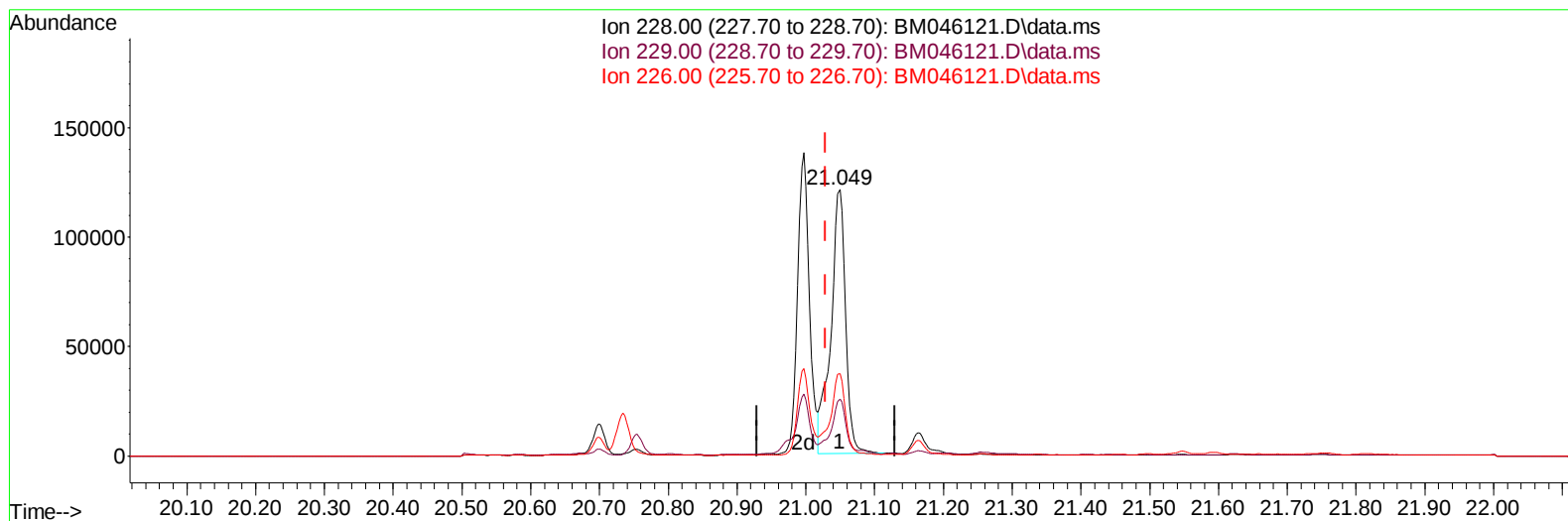
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046121.D
Acq On : 20 Jun 2024 13:54
Operator : MA/JU
Sample : P2710-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BL7

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024

Quant Time: Jun 20 14:53:08 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 : Tue Jun 18 13:58:29 2024
Response via : Initial Calibration



TIC: BM046121.D\data.ms

(21) Benzo(a)anthracene

21.049min (+ 0.020) 5.63 ng/u1

response 180407

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.50	21.29
226.00	29.30	30.92
0.00	0.00	0.00

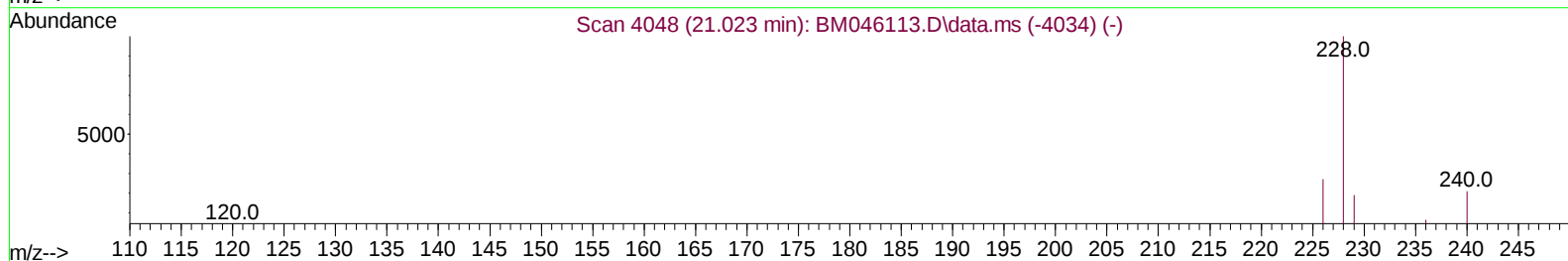
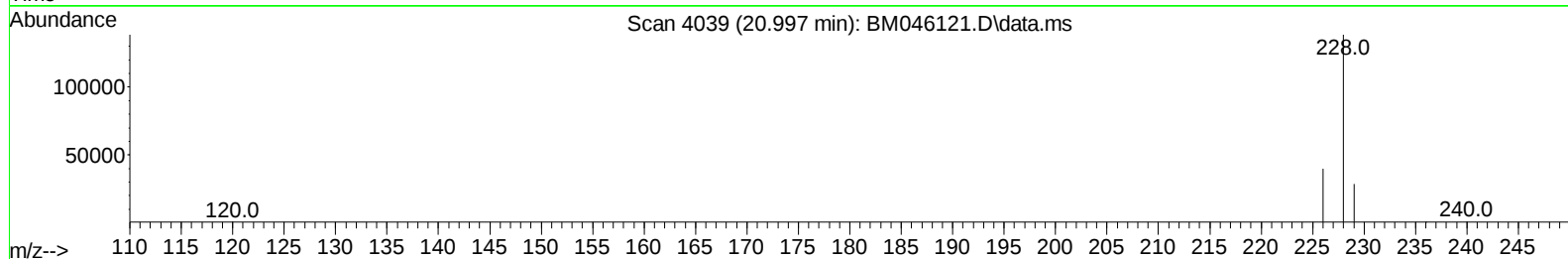
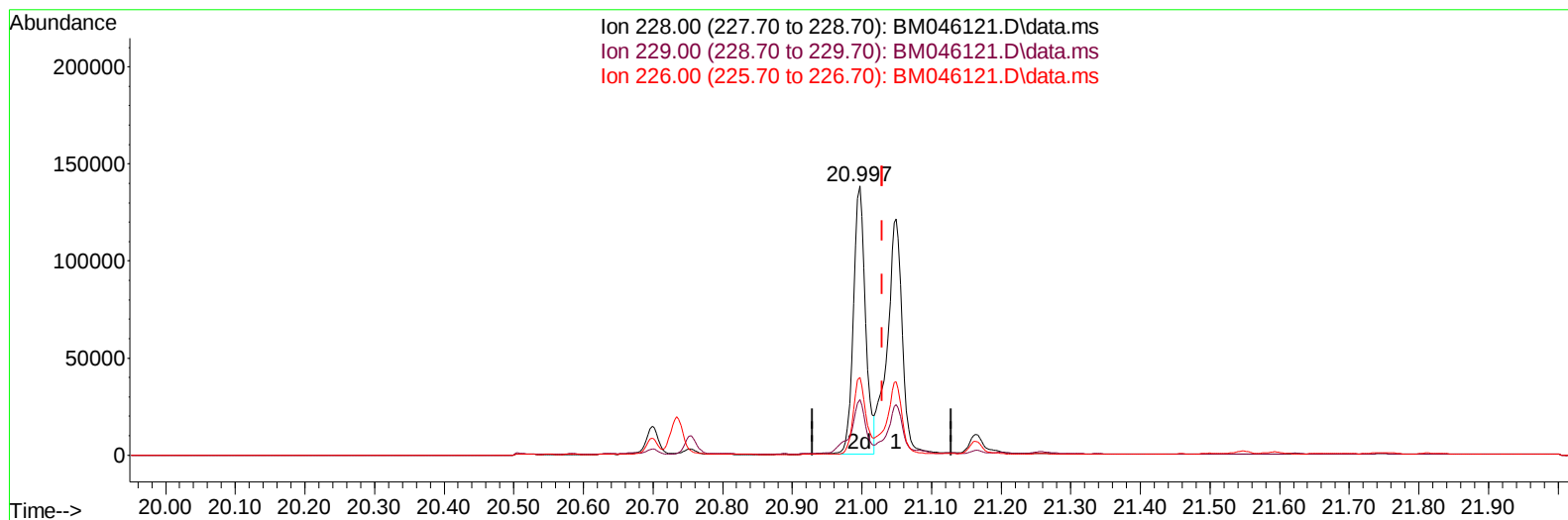
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046121.D
Acq On : 20 Jun 2024 13:54
Operator : MA/JU
Sample : P2710-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BL7

Manual IntegrationsAPPROVED

Quant Time: Jun 20 14:53:08 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 : Tue Jun 18 13:58:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046121.D\data.ms

(21) Benzo(a)anthracene

20.997min (-0.032) 5.22 ng/u1 m

response 167270

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.50	20.54
226.00	29.30	28.87
0.00	0.00	0.00

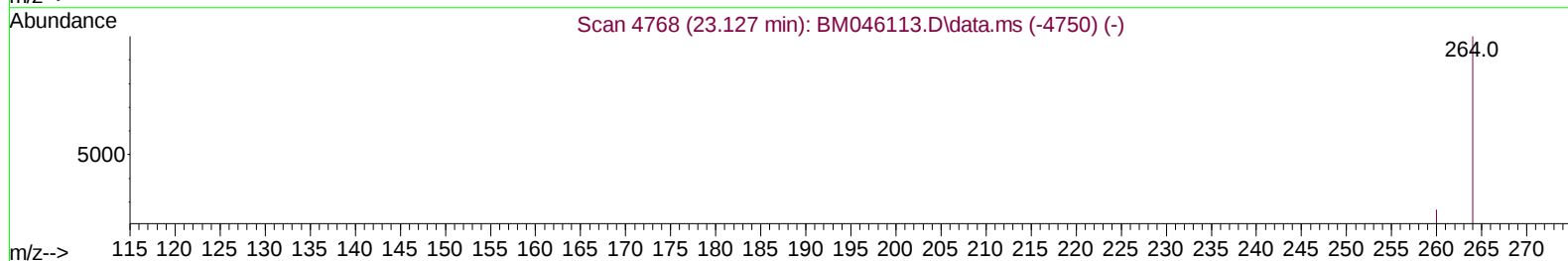
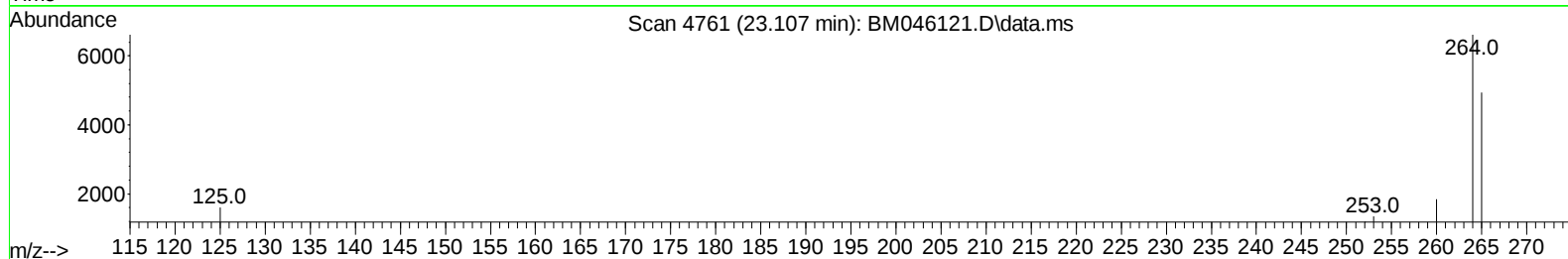
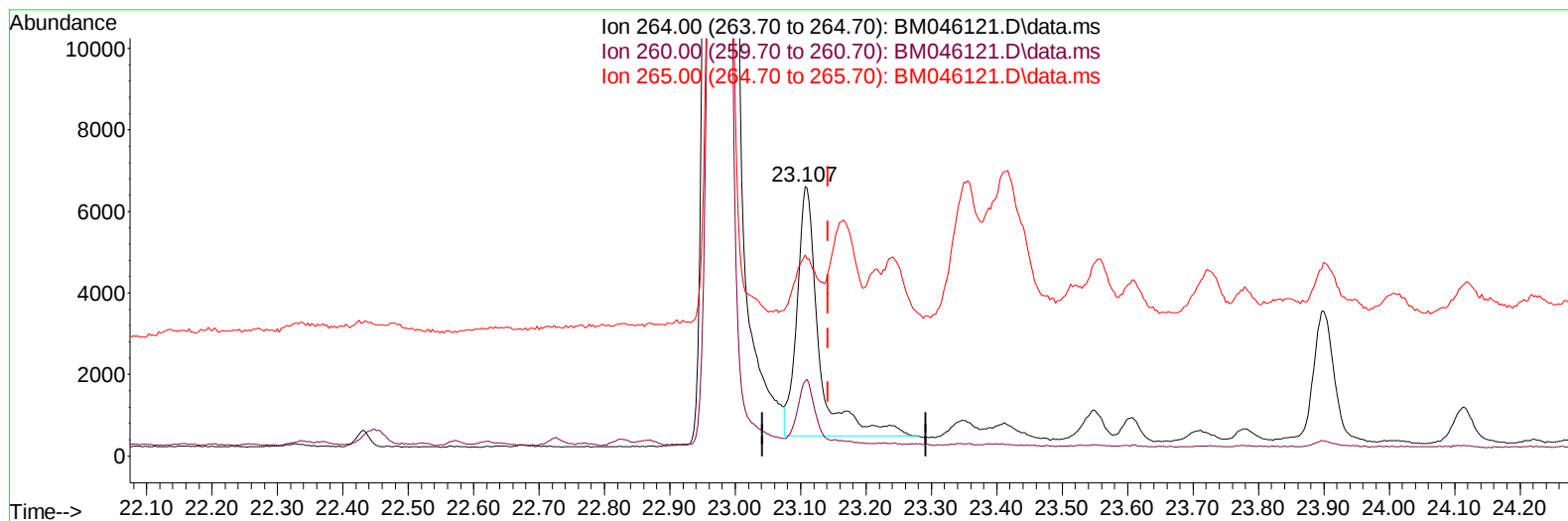
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046121.D
Acq On : 20 Jun 2024 13:54
Operator : MA/JU
Sample : P2710-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BL7

Manual IntegrationsAPPROVED

Quant Time: Jun 20 14:53:08 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 : Tue Jun 18 13:58:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046121.D\data.ms

(23) Perylene-d12 (I)

23.107min (-0.035) 0.40 ng/u1

response 14507

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.83
265.00	110.60	74.71#
0.00	0.00	0.00

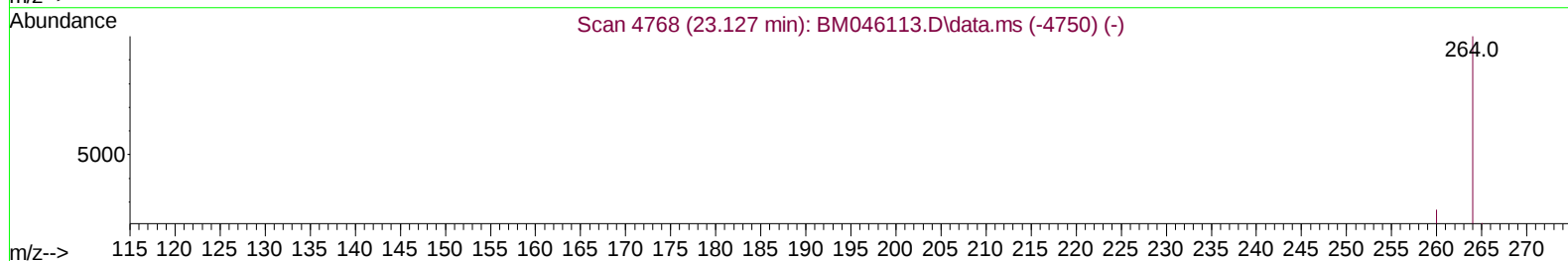
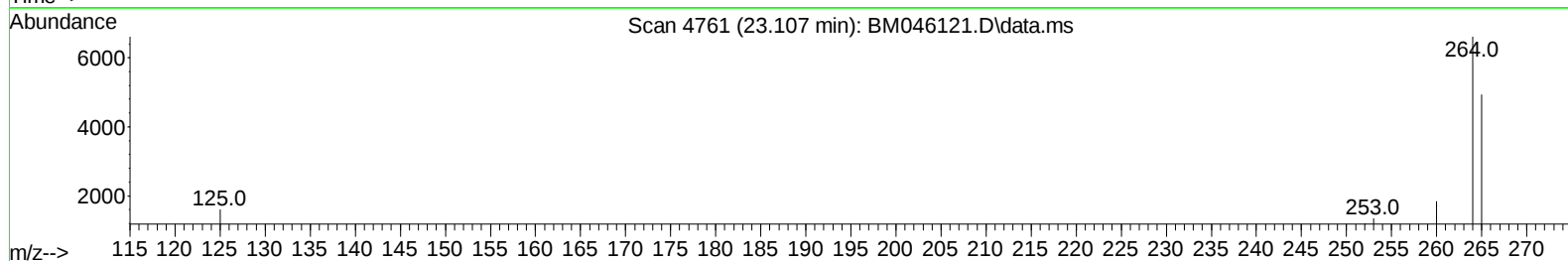
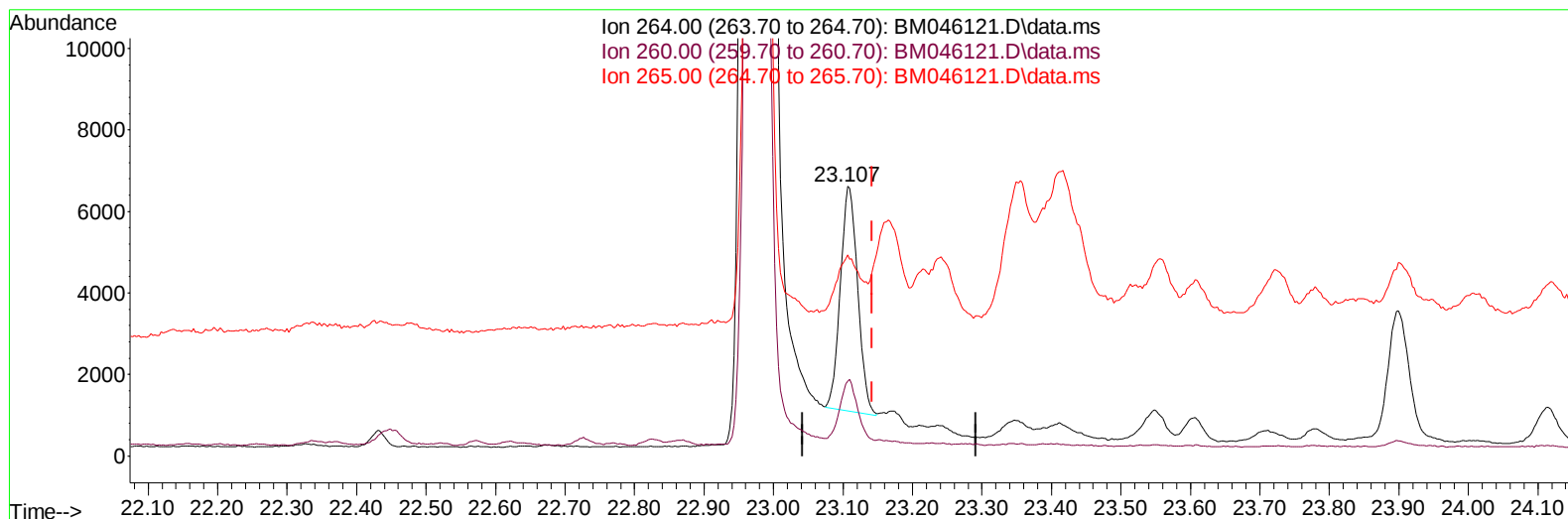
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046121.D
Acq On : 20 Jun 2024 13:54
Operator : MA/JU
Sample : P2710-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BL7

Manual IntegrationsAPPROVED

Quant Time: Jun 20 14:53:08 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 : Tue Jun 18 13:58:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046121.D\data.ms

(23) Perylene-d12 (I)

23.107min (-0.035) 0.40 ng/u1 m

response 9555

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.83
265.00	110.60	74.71#
0.00	0.00	0.00

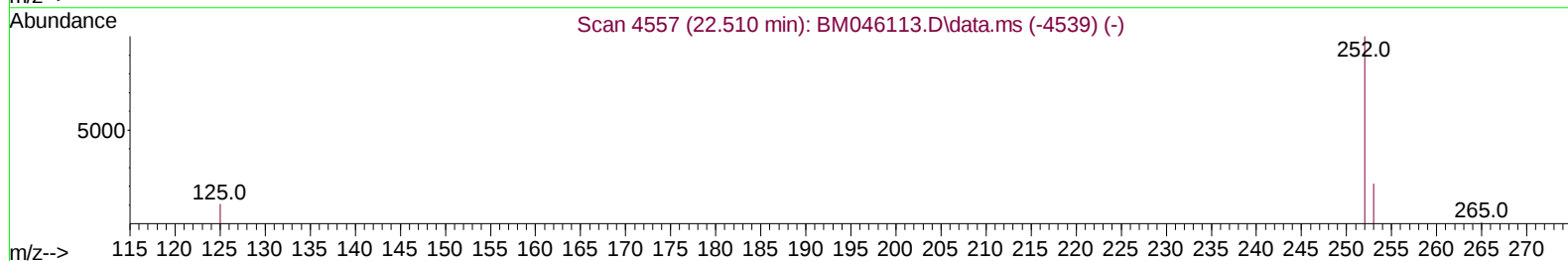
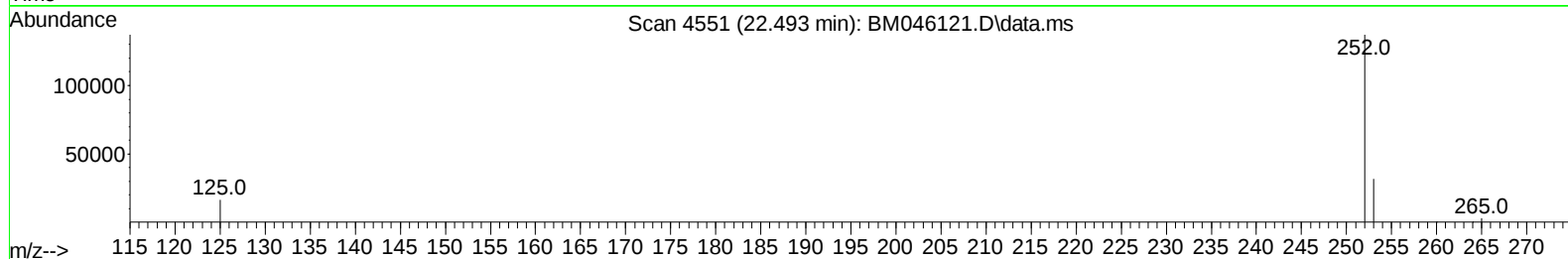
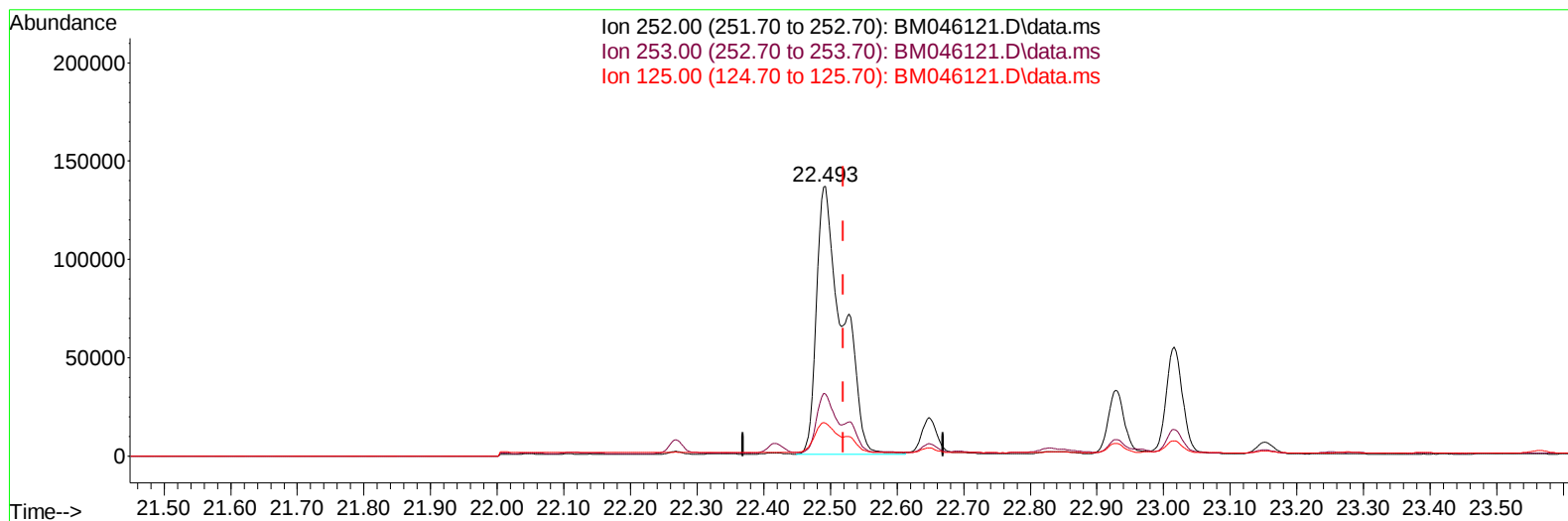
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046121.D
 Acq On : 20 Jun 2024 13:54
 Operator : MA/JU
 Sample : P2710-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BL7

Manual IntegrationsAPPROVED

Quant Time: Jun 20 14:53:08 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 : Tue Jun 18 13:58:29 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/21/2024
 Supervised By :mohammad ahmed 06/24/2024



TIC: BM046121.D\data.ms

(24) Benzo(b)fluoranthene

22.493min (-0.027) 10.77 ng/u1

response 370915

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	23.06
125.00	20.10	12.15
0.00	0.00	0.00

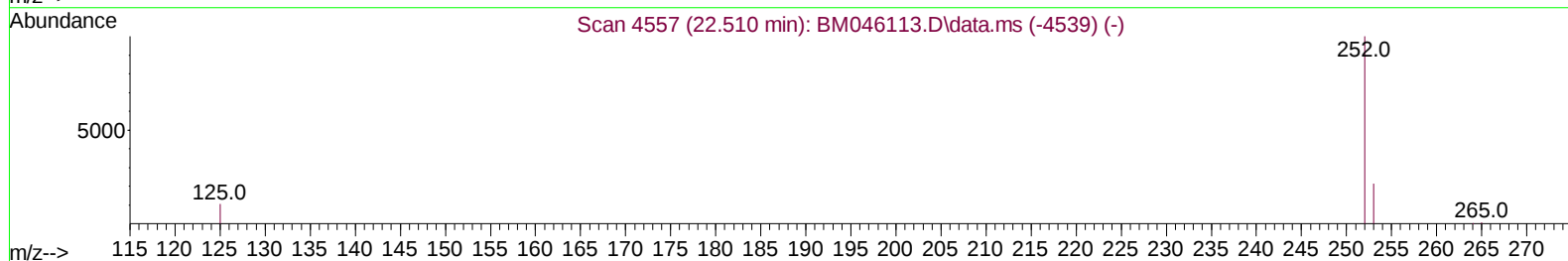
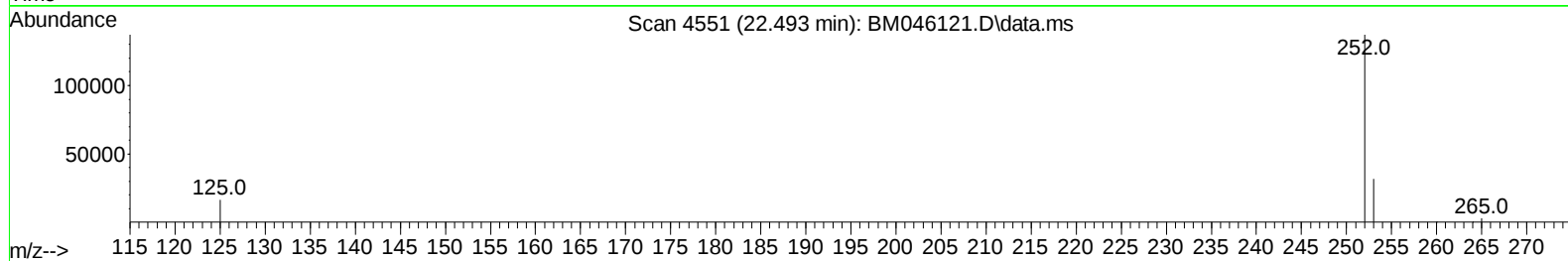
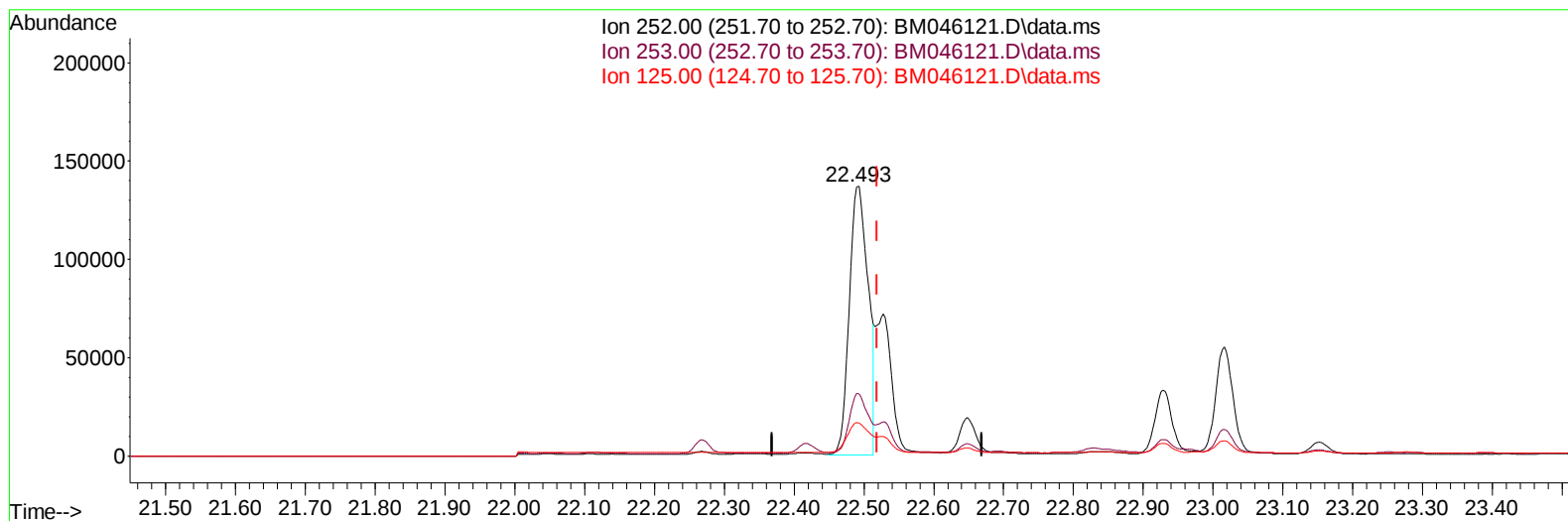
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046121.D
Acq On : 20 Jun 2024 13:54
Operator : MA/JU
Sample : P2710-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BL7

Manual IntegrationsAPPROVED

Quant Time: Jun 20 14:53:08 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 : Tue Jun 18 13:58:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046121.D\data.ms

(24) Benzo(b)fluoranthene

22.493min (-0.027) 7.46 ng/u1 m

response 256948

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	23.06
125.00	20.10	12.15
0.00	0.00	0.00

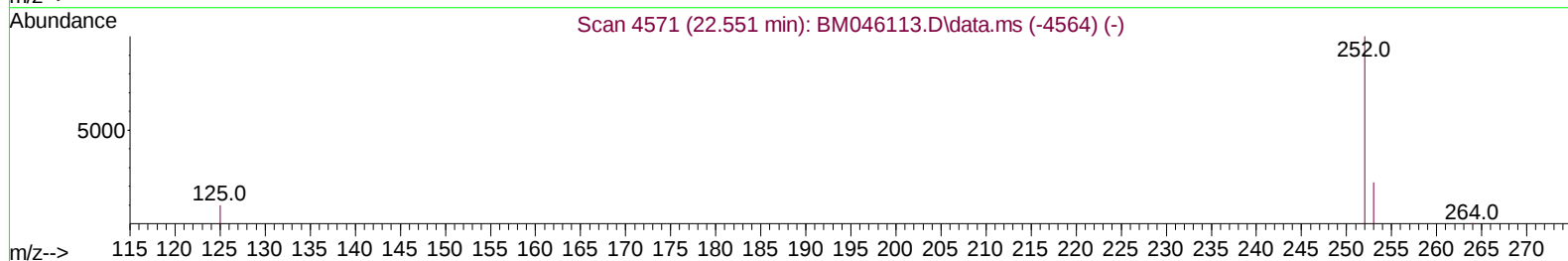
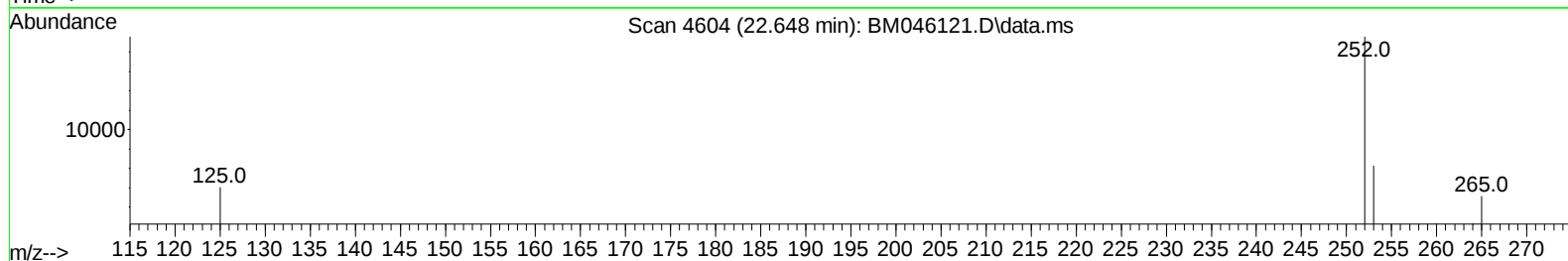
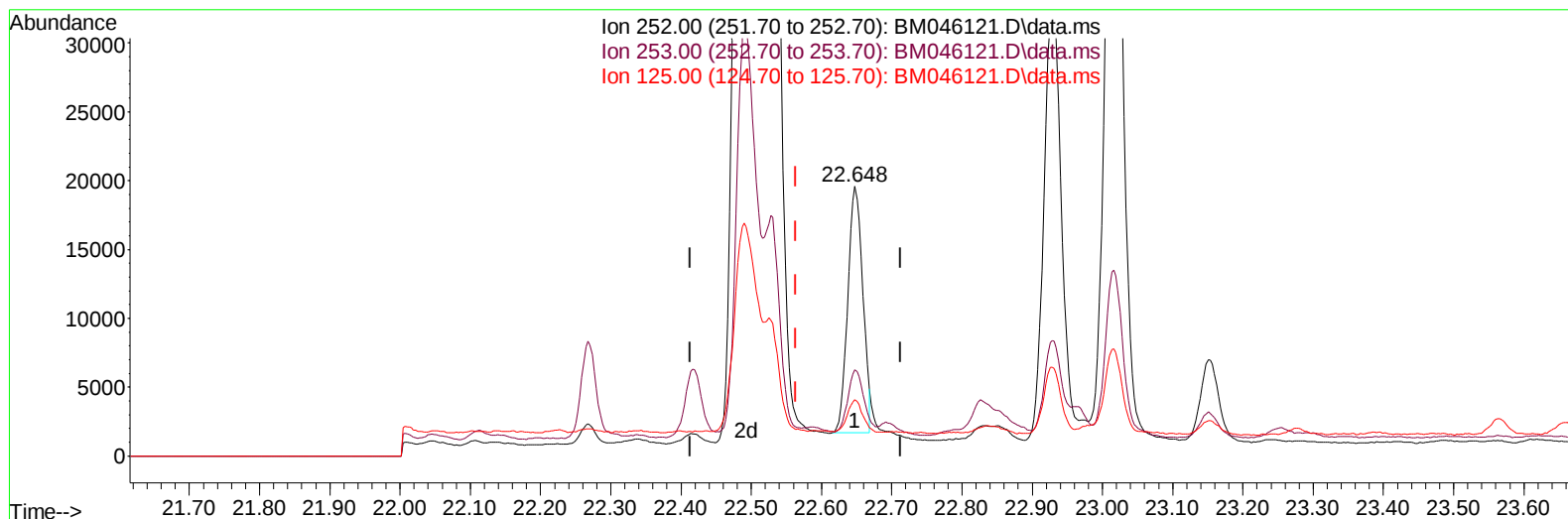
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046121.D
Acq On : 20 Jun 2024 13:54
Operator : MA/JU
Sample : P2710-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BL7

Manual IntegrationsAPPROVED

Quant Time: Jun 20 14:53:08 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 : Tue Jun 18 13:58:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046121.D\data.ms

(25) Benzo(k)fluoranthene

22.648min (+ 0.084) 0.65 ng/u1

response 26623

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	32.04
125.00	20.80	20.77
0.00	0.00	0.00

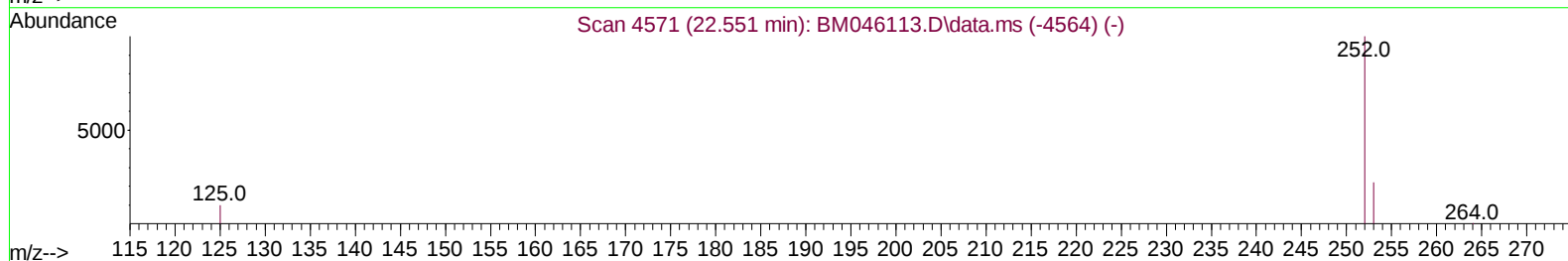
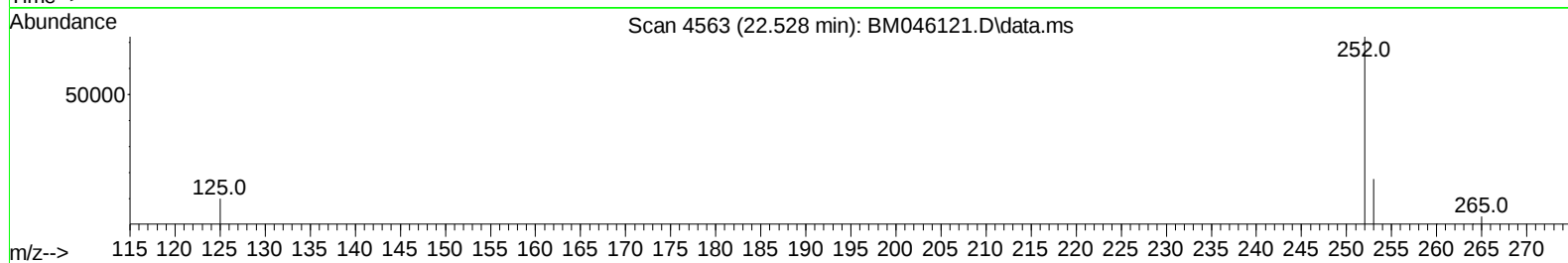
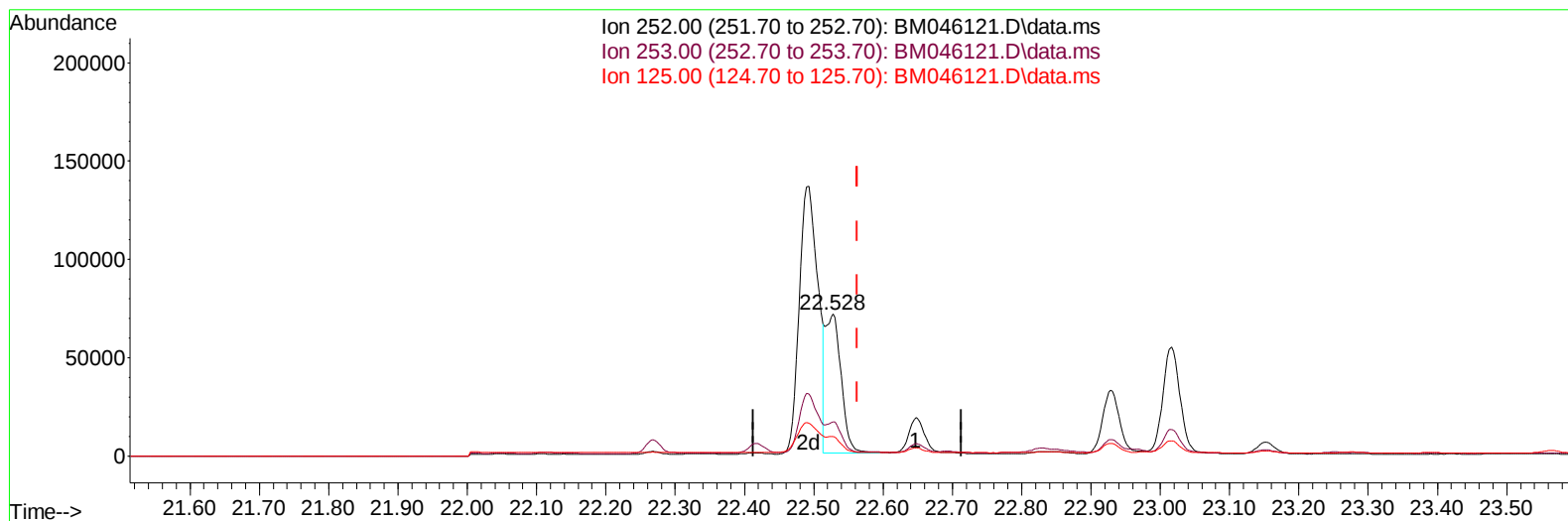
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046121.D
Acq On : 20 Jun 2024 13:54
Operator : MA/JU
Sample : P2710-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BL7

Manual IntegrationsAPPROVED

Quant Time: Jun 20 14:53:08 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 : Tue Jun 18 13:58:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046121.D\data.ms

(25) Benzo(k)fluoranthene

22.528min (-0.035) 2.73 ng/u1 m

response 111835

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	24.24#
125.00	20.80	13.69#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046121.D
 Acq On : 20 Jun 2024 13:54
 Operator : MA/JU
 Sample : P2710-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BL7

Manual IntegrationsAPPROVED

Quant Time: Jun 20 14:53:08 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 : Tue Jun 18 13:58:29 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/21/2024
 Supervised By :mohammad ahmed 06/24/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.421	152	3089	0.400	ng/ul	-0.04
4) Naphthalene-d8	10.194	136	9039	0.400	ng/ul	-0.06
9) Acenaphthene-d10	14.072	164	4854	0.400	ng/ul	-0.04
13) Phenanthrene-d10	16.812	188	10665m	0.400	ng/ul	-0.05
17) Chrysene-d12	21.011	240	8295m	0.400	ng/ul	-0.03
23) Perylene-d12	23.107	264	9555m	0.400	ng/ul	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.033	96	14314	3.378	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.822	152	3033	0.250	ng/ul	-0.04
18) Fluoranthene-d10	18.844	212	7185	0.289	ng/ul	-0.04
Target Compounds						
					Qvalue	
5) Naphthalene	10.244	128	2679	0.106	ng/ul#	95
7) 2-Methylnaphthalene	11.893	142	831	0.059	ng/ul	100
8) 1-Methylnaphthalene	12.113	142	750	0.048	ng/ul	99
10) Acenaphthylene	13.790	152	10602	0.460	ng/ul	99
11) Acenaphthene	14.132	153	3989	0.240	ng/ul	98
12) Fluorene	15.127	166	5094	0.286	ng/ul	98
15) Phenanthrene	16.854	178	130766m	4.364	ng/ul	
16) Anthracene	16.947	178	26594m	1.192	ng/ul	
19) Fluoranthene	18.877	202	384904	10.717	ng/ul	96
20) Pyrene	19.239	202	256666	6.608	ng/ul	97
21) Benzo(a)anthracene	20.997	228	167270m	5.221	ng/ul	
22) Chrysene	21.049	228	180900	4.424	ng/ul	99
24) Benzo(b)fluoranthene	22.493	252	256948m	7.464	ng/ul	
25) Benzo(k)fluoranthene	22.528	252	111835m	2.733	ng/ul	
26) Benzo(a)pyrene	23.016	252	94355	2.958	ng/ul#	75
27) Indeno(1,2,3-cd)pyrene	25.152	276	99050	1.897	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.155	278	31378	0.807	ng/ul	97
29) Benzo(g,h,i)perylene	25.779	276	14525	0.324	ng/ul	93

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046121.D
Acq On : 20 Jun 2024 13:54
Operator : MA/JU
Sample : P2710-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BL7

Manual IntegrationsAPPROVED

Quant Time: Jun 20 14:53:08 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 : Tue Jun 18 13:58:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024

