

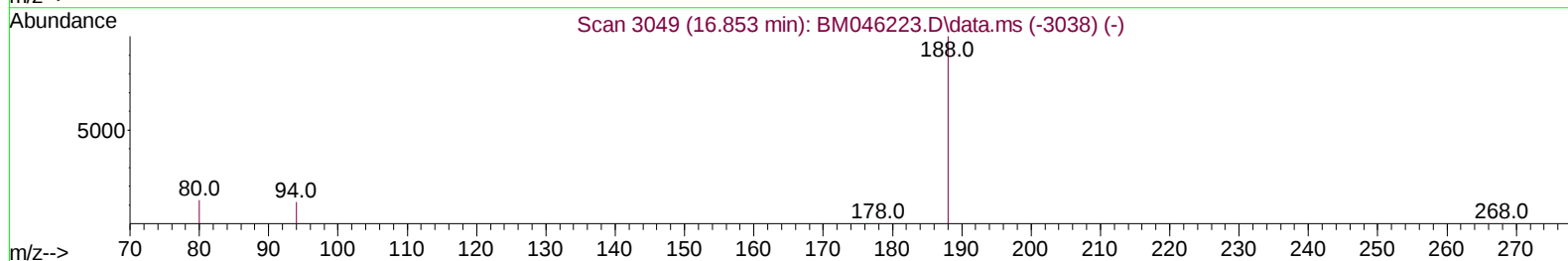
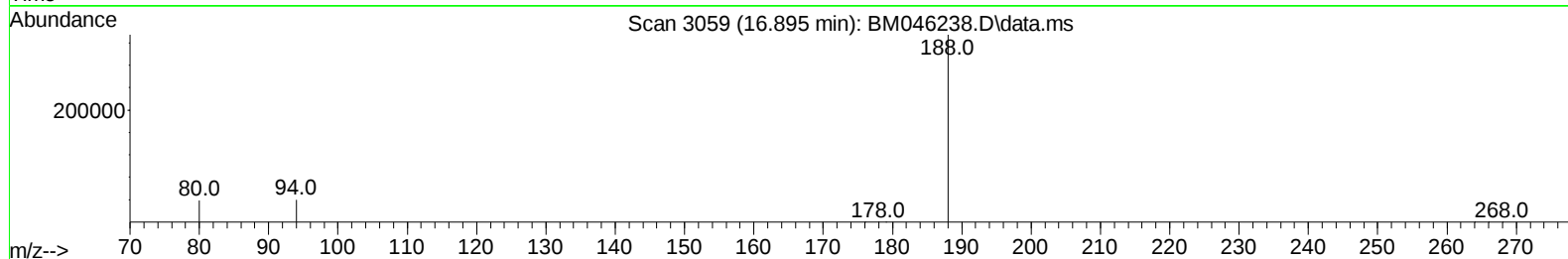
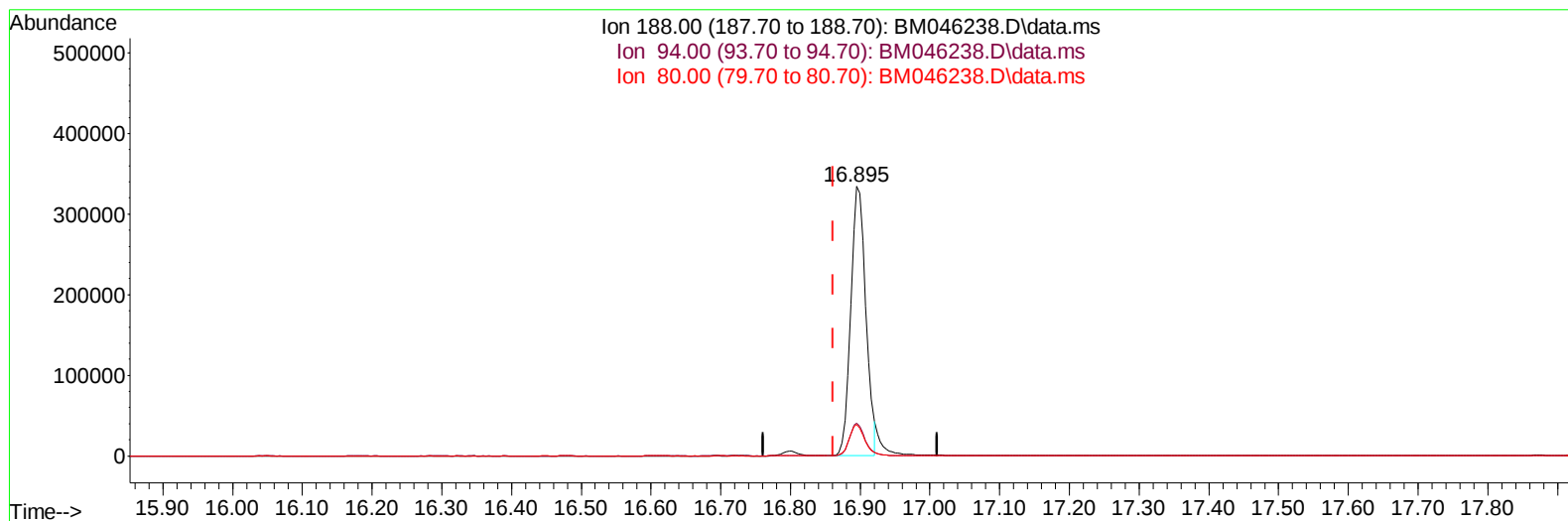
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046238.D
Acq On : 23 Jun 2024 16:53
Operator : MA/JU
Sample : P2776-08
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA0

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:32:07 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 : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046238.D\data.ms

(13) Phenanthrene-d10 (I)

16.895min (+ 0.034) 0.40 ng/u1

response 500628

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.05
80.00	15.20	11.67#
0.00	0.00	0.00

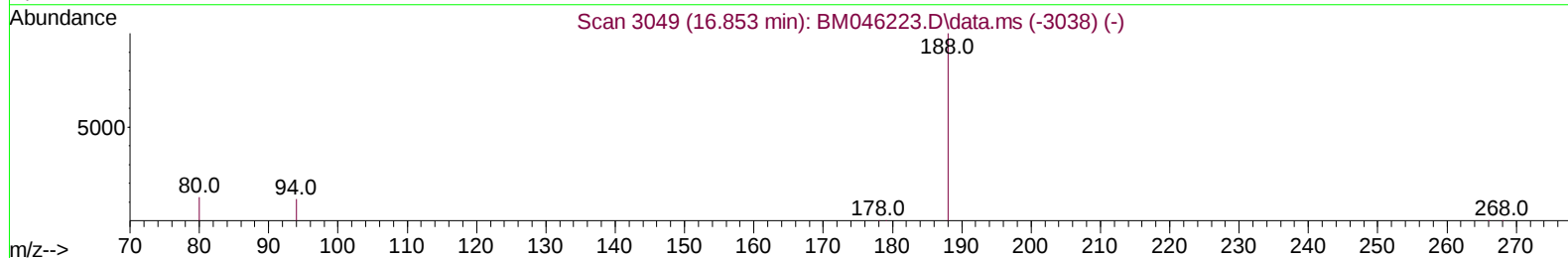
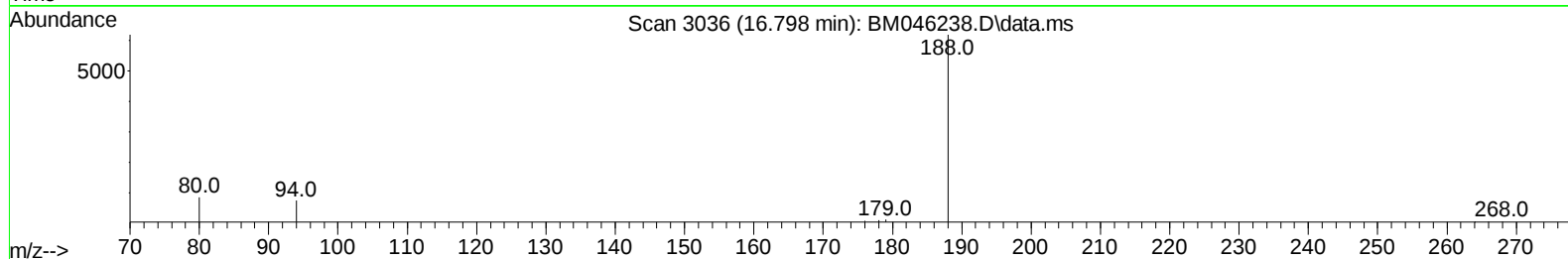
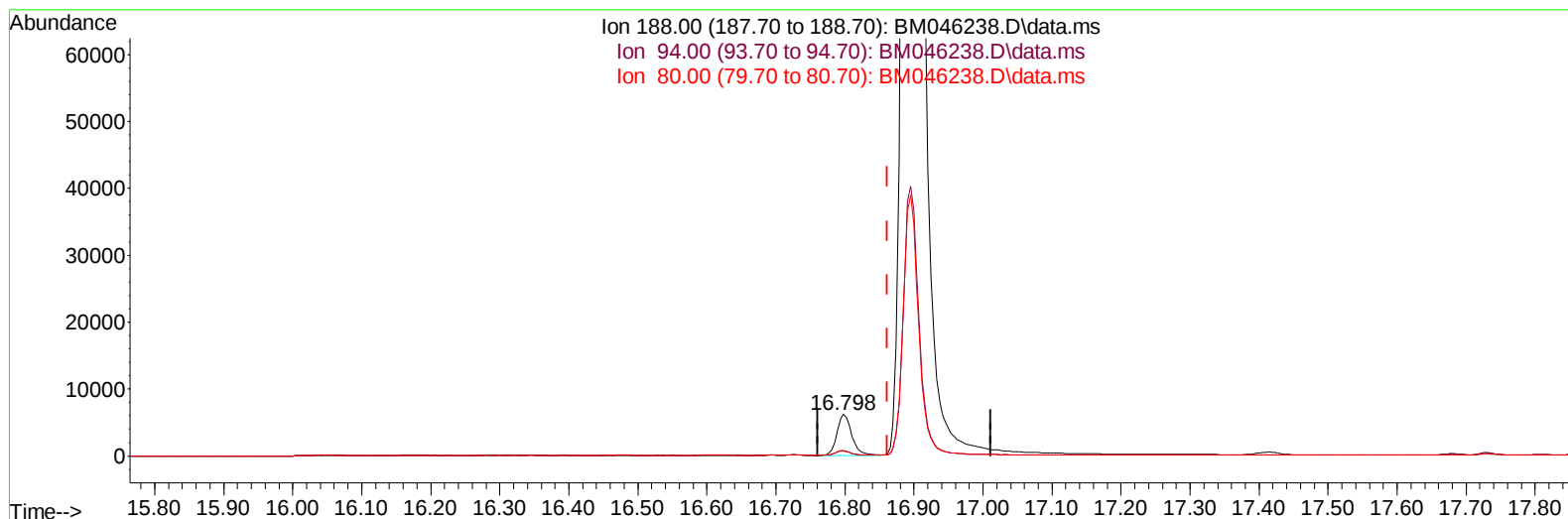
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046238.D
Acq On : 23 Jun 2024 16:53
Operator : MA/JU
Sample : P2776-08
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA0

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:32:07 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
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TIC: BM046238.D\data.ms

(13) Phenanthrene-d10 (I)

16.798min (-0.063) 0.40 ng/u1 m

response 9075

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.17
80.00	15.20	13.88
0.00	0.00	0.00

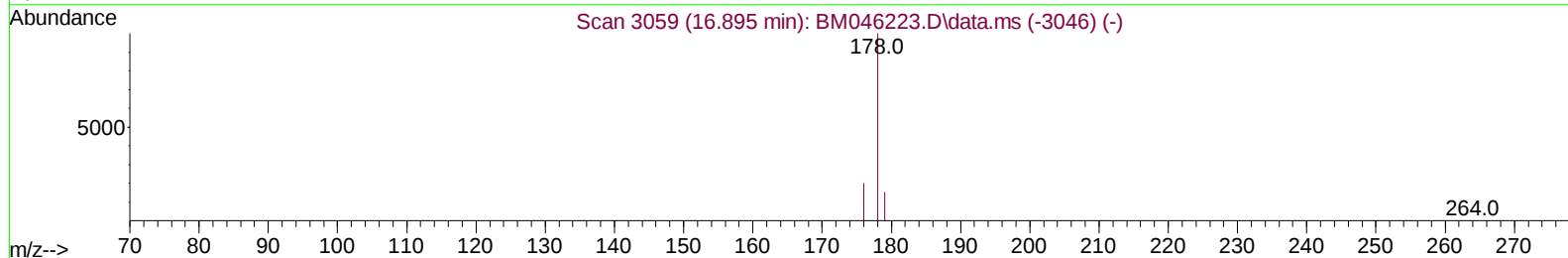
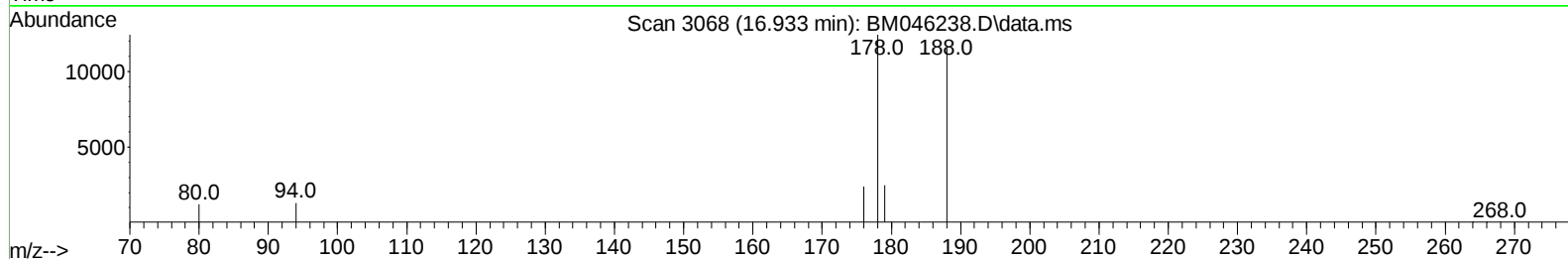
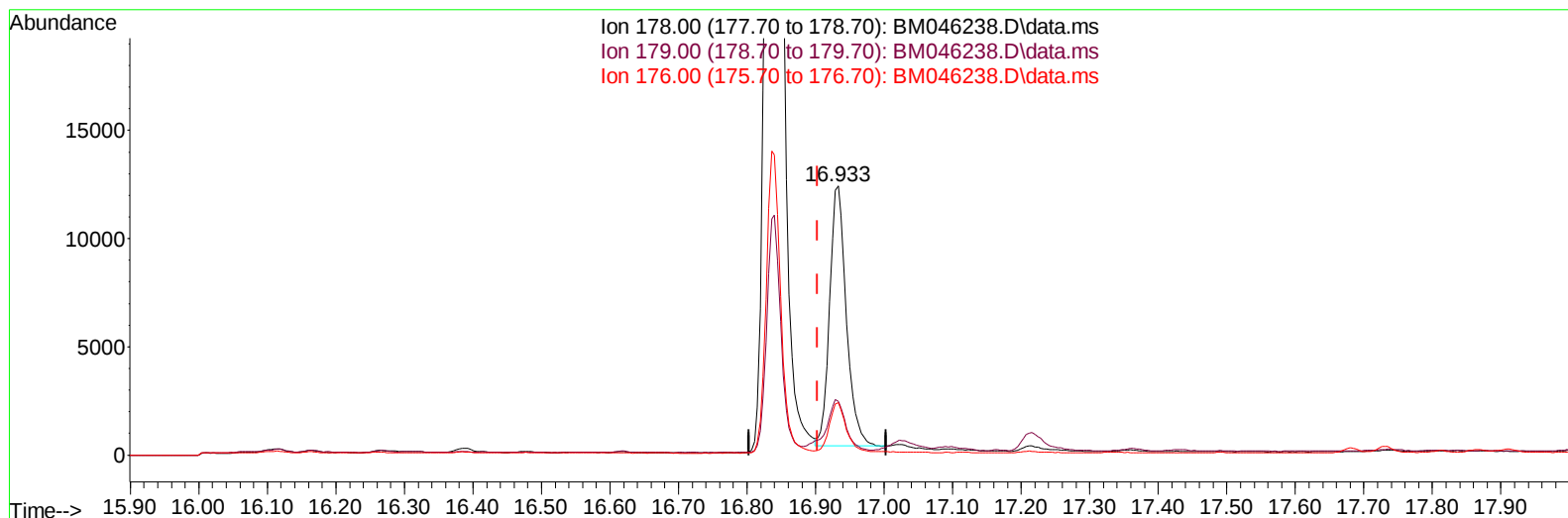
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046238.D
Acq On : 23 Jun 2024 16:53
Operator : MA/JU
Sample : P2776-08
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA0

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:32:07 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 : Mon Jun 24 02:25:34 2024
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Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046238.D\data.ms

(15) Phenanthrene

16.933min (+ 0.030) 0.80 ng/u1

response 20416

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	19.95
176.00	21.40	19.40
0.00	0.00	0.00

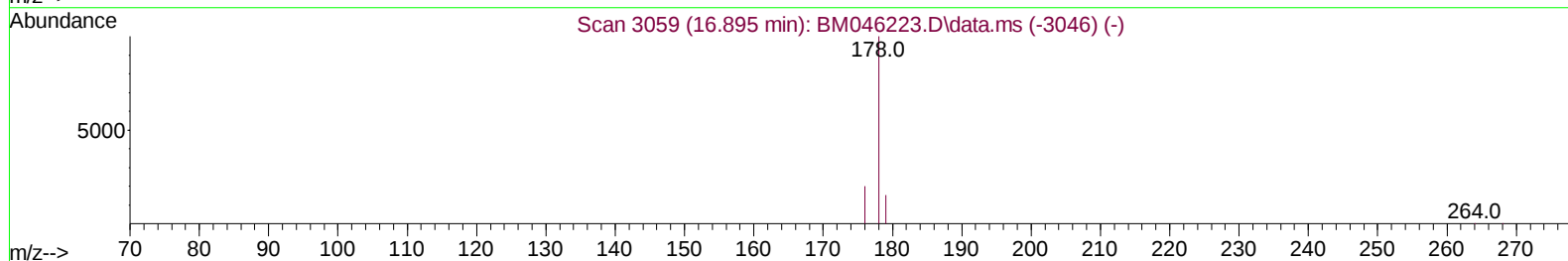
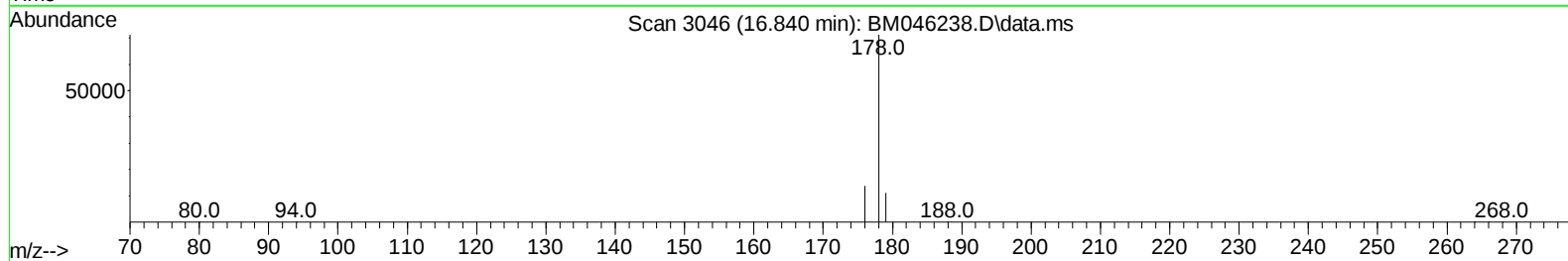
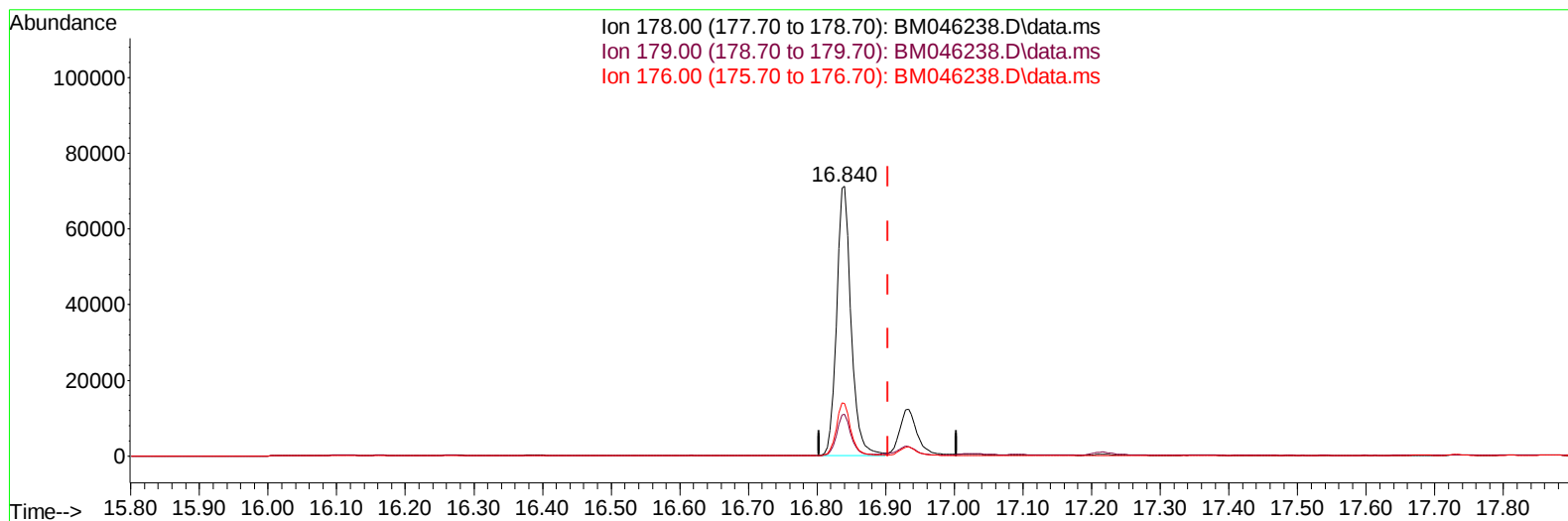
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046238.D
Acq On : 23 Jun 2024 16:53
Operator : MA/JU
Sample : P2776-08
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA0

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:32:07 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 : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046238.D\data.ms

(15) Phenanthrene

16.840min (-0.063) 4.09 ng/u1 m

response 104210

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.55
176.00	21.40	19.47
0.00	0.00	0.00

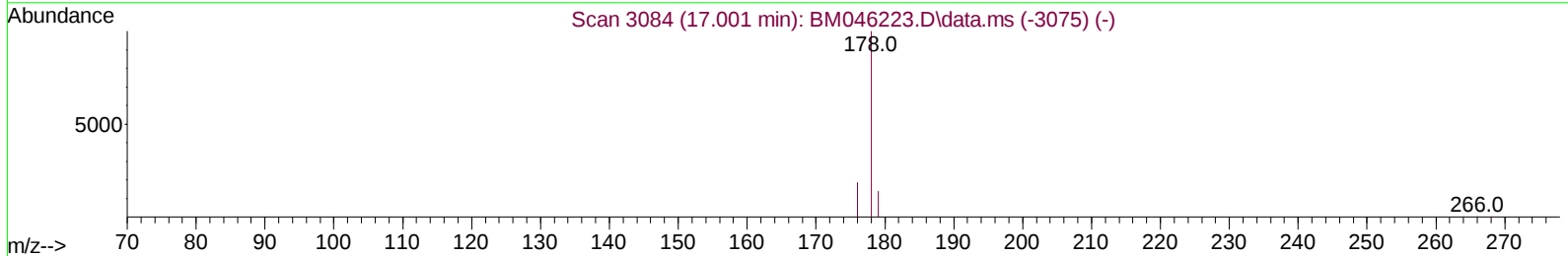
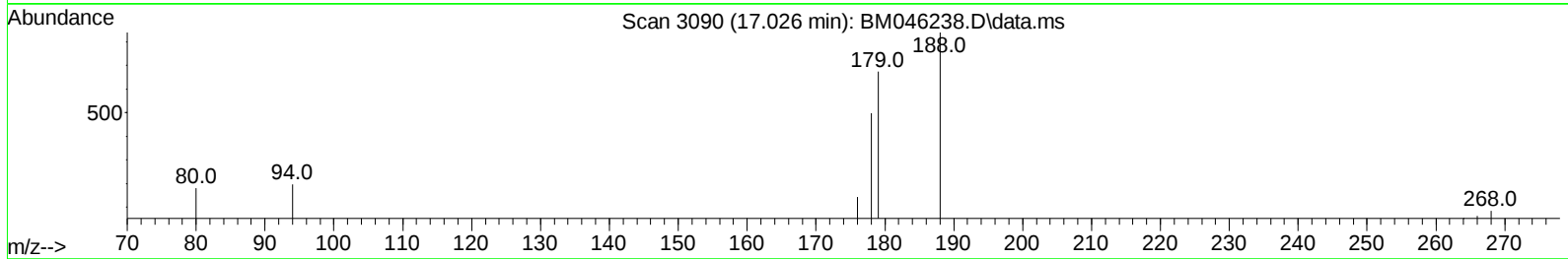
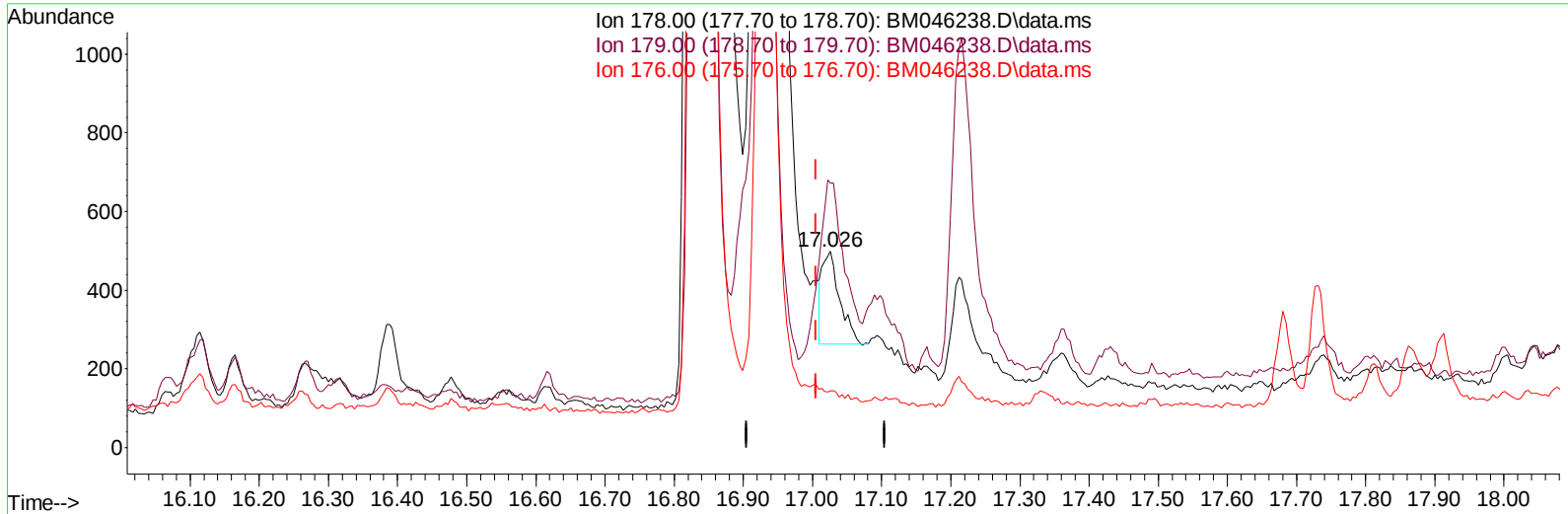
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046238.D
Acq On : 23 Jun 2024 16:53
Operator : MA/JU
Sample : P2776-08
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA0

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:32:07 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BM046238.D\data.ms

(16) Anthracene

17.026min (+ 0.021) 0.02 ng/u1

response 416

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	134.87#
176.00	21.20	28.86#
0.00	0.00	0.00

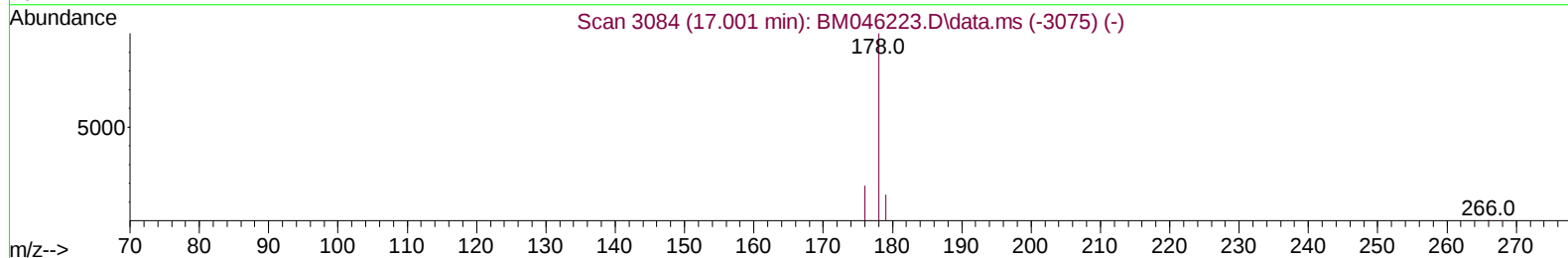
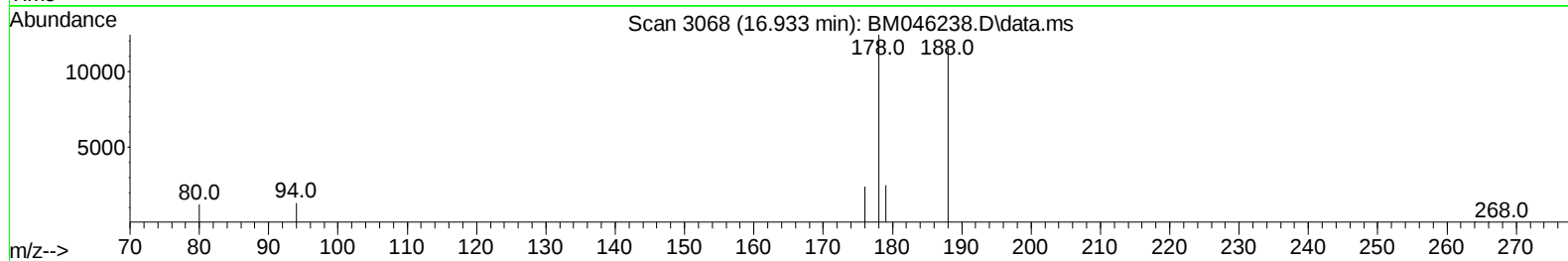
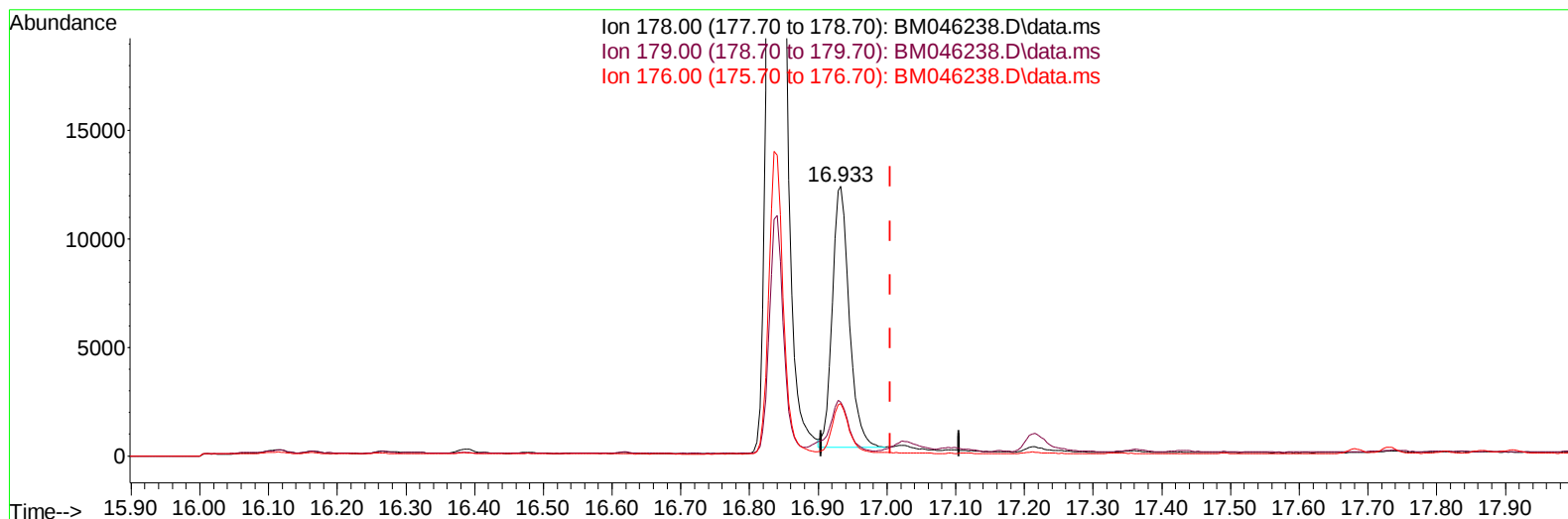
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046238.D
Acq On : 23 Jun 2024 16:53
Operator : MA/JU
Sample : P2776-08
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA0

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:32:07 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 : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046238.D\data.ms

(16) Anthracene

16.933min (-0.072) 1.08 ng/u1 m

response 20498

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	19.95
176.00	21.20	19.40
0.00	0.00	0.00

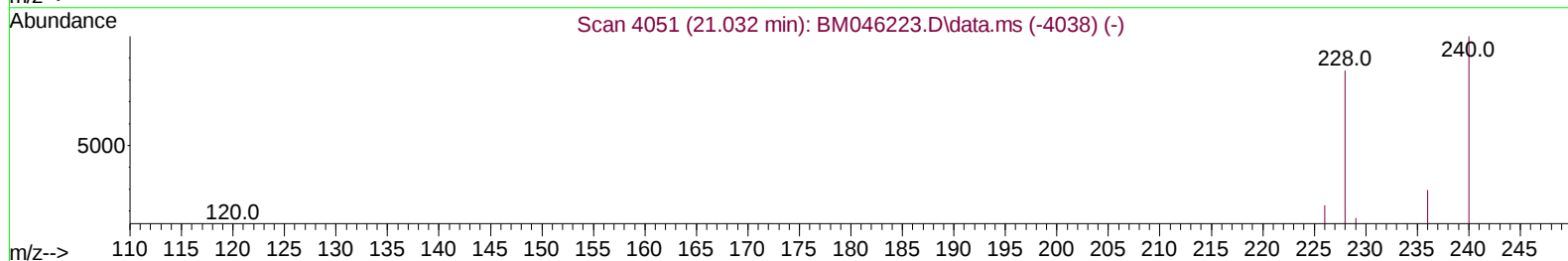
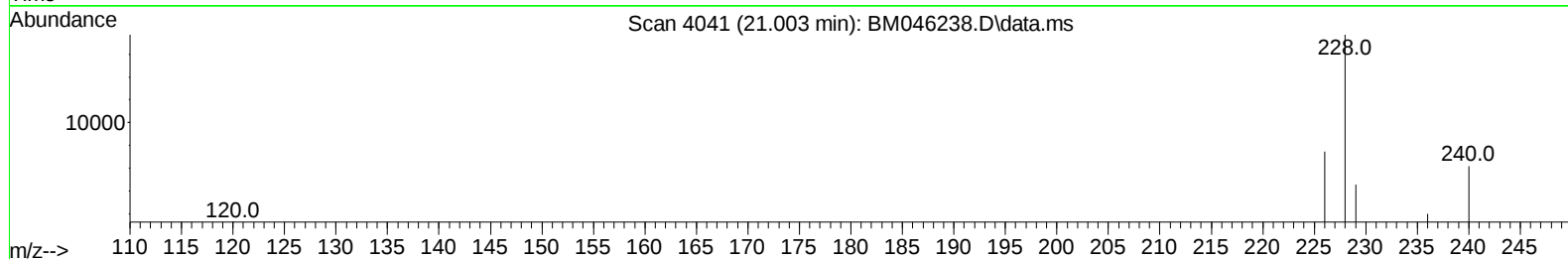
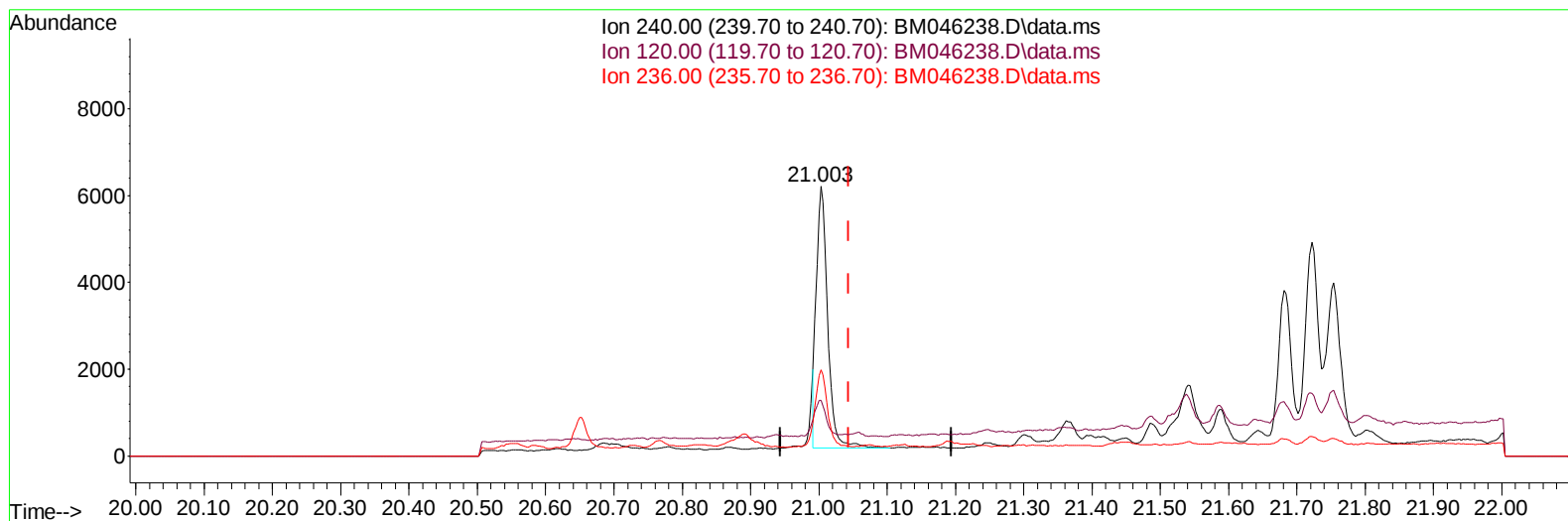
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046238.D
Acq On : 23 Jun 2024 16:53
Operator : MA/JU
Sample : P2776-08
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA0

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:32:07 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 : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046238.D\data.ms

(17) Chrysene-d12

21.003min (-0.041) 0.40 ng/u1

response 6932

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	20.60
236.00	33.60	31.99
0.00	0.00	0.00

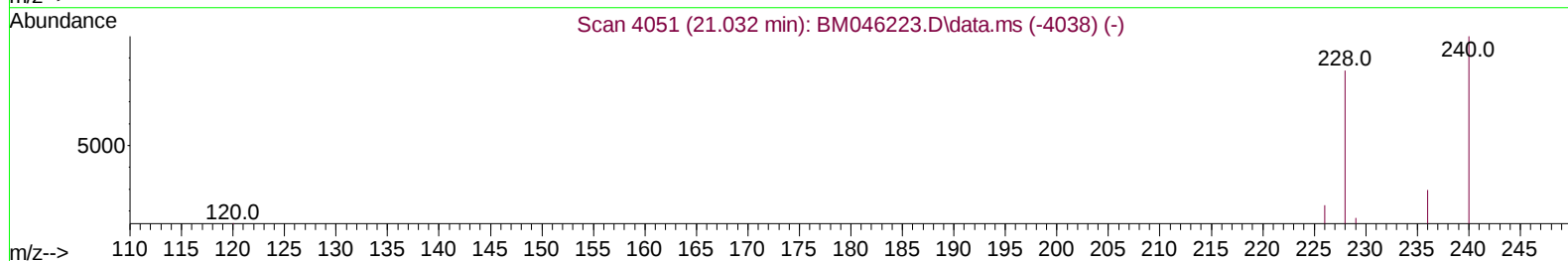
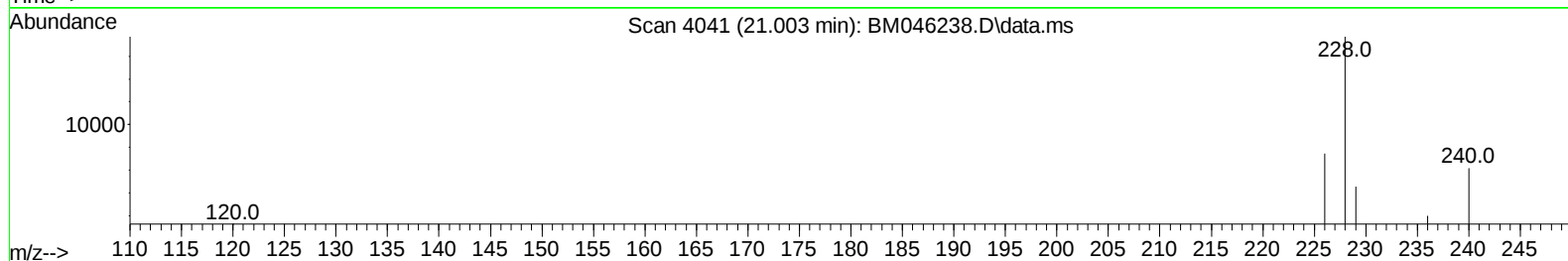
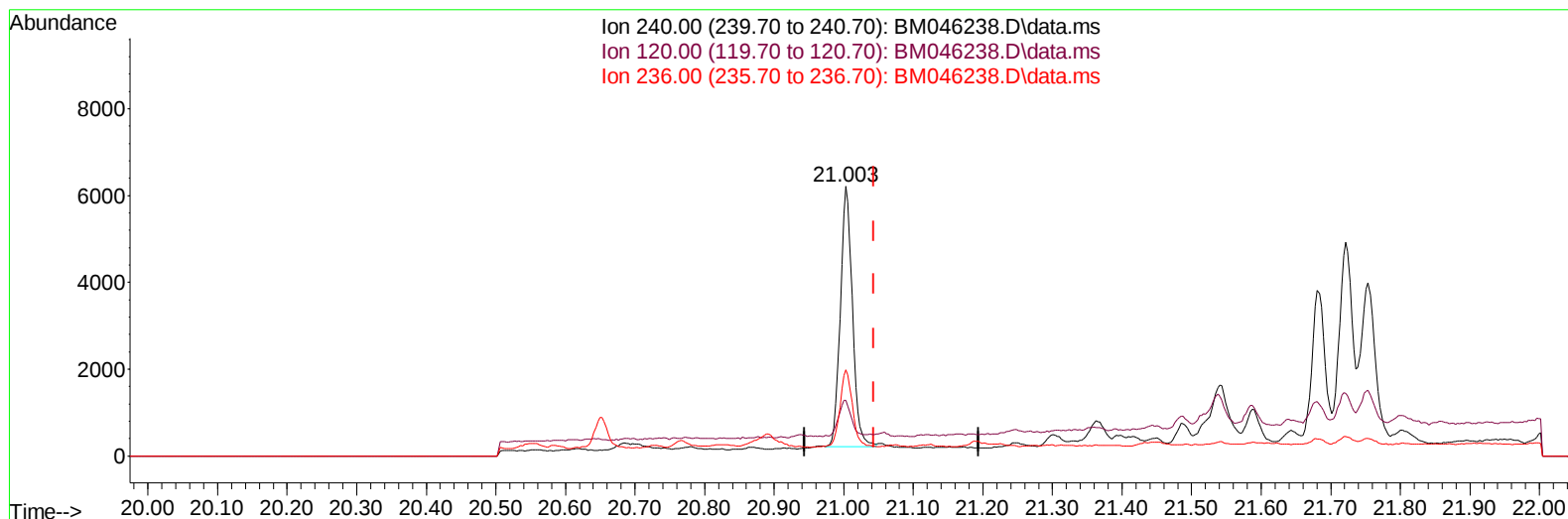
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046238.D
Acq On : 23 Jun 2024 16:53
Operator : MA/JU
Sample : P2776-08
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA0

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:32:07 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 : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046238.D\data.ms

(17) Chrysene-d12

21.003min (-0.041) 0.40 ng/ul m

response 7295

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	20.60
236.00	33.60	31.99
0.00	0.00	0.00

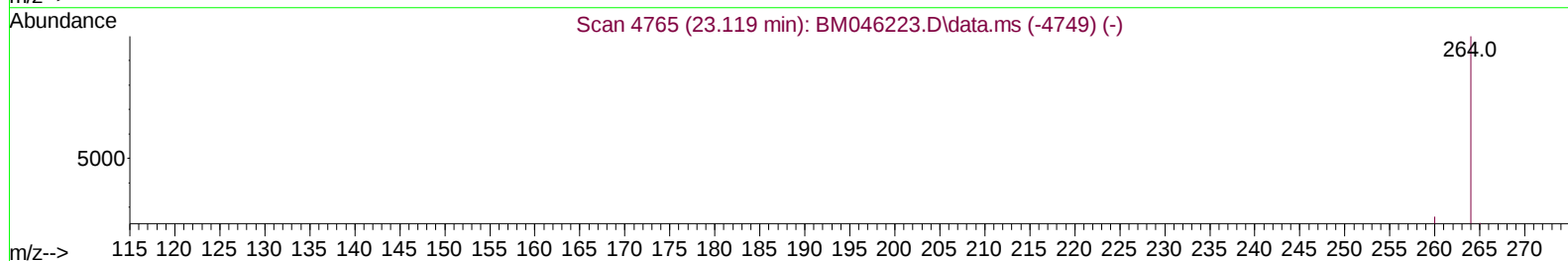
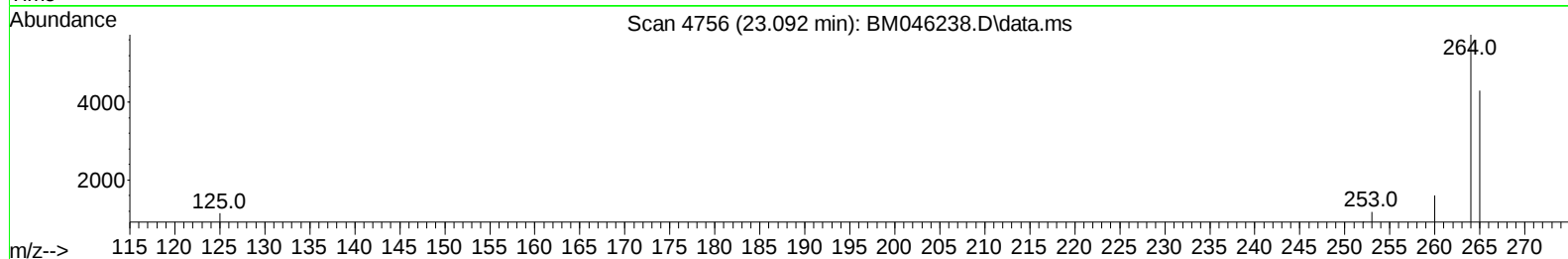
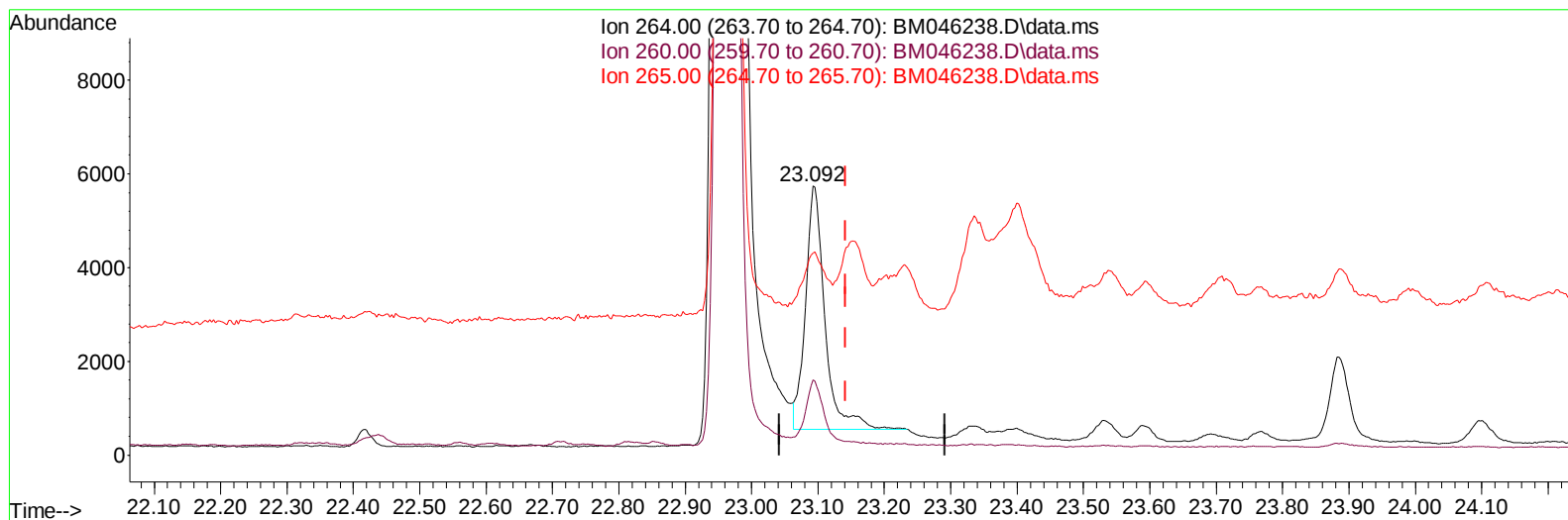
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
 Data File : BM046238.D
 Acq On : 23 Jun 2024 16:53
 Operator : MA/JU
 Sample : P2776-08
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4CA0

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:32:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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TIC: BM046238.D\data.ms

(23) Perylene-d12 (I)

23.092min (-0.050) 0.40 ng/u1

response 10682

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.97
265.00	110.60	75.04#
0.00	0.00	0.00

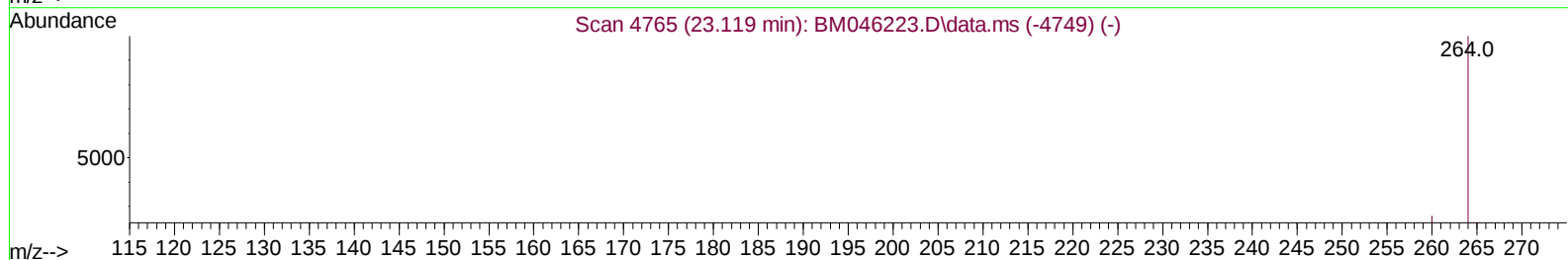
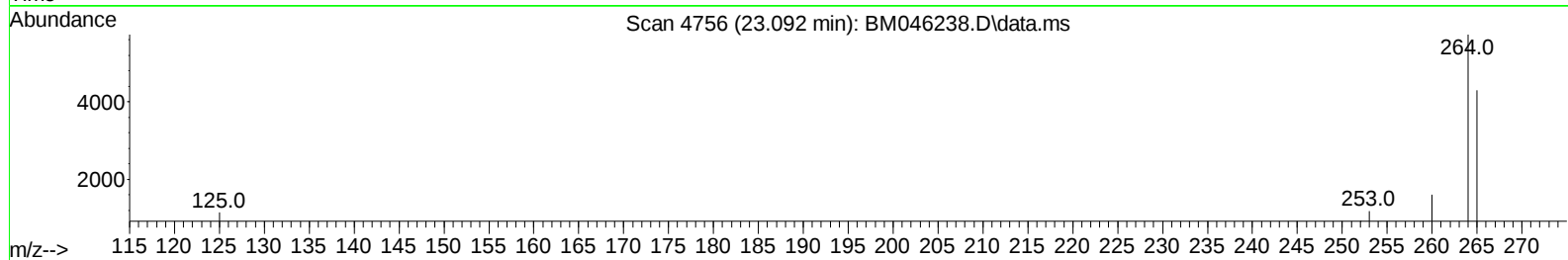
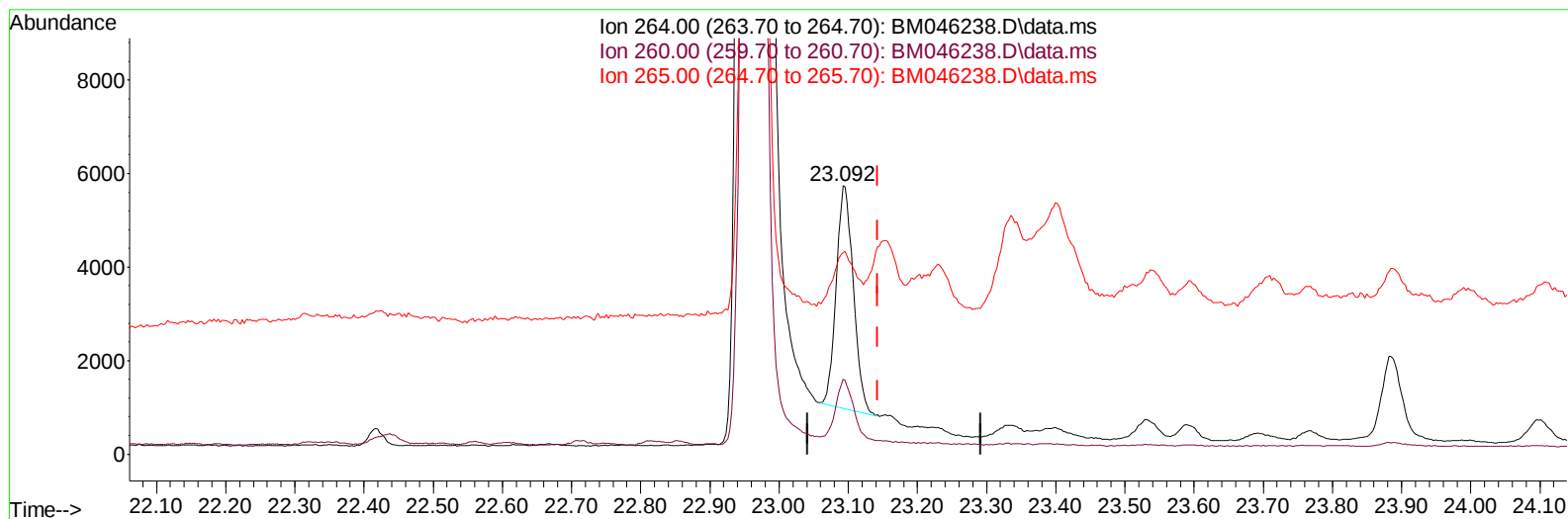
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046238.D
Acq On : 23 Jun 2024 16:53
Operator : MA/JU
Sample : P2776-08
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA0

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:32:07 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 : Mon Jun 24 02:25:34 2024
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TIC: BM046238.D\data.ms

(23) Perylene-d12 (I)

23.092min (-0.050) 0.40 ng/ul m

response 8177

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.97
265.00	110.60	75.04#
0.00	0.00	0.00

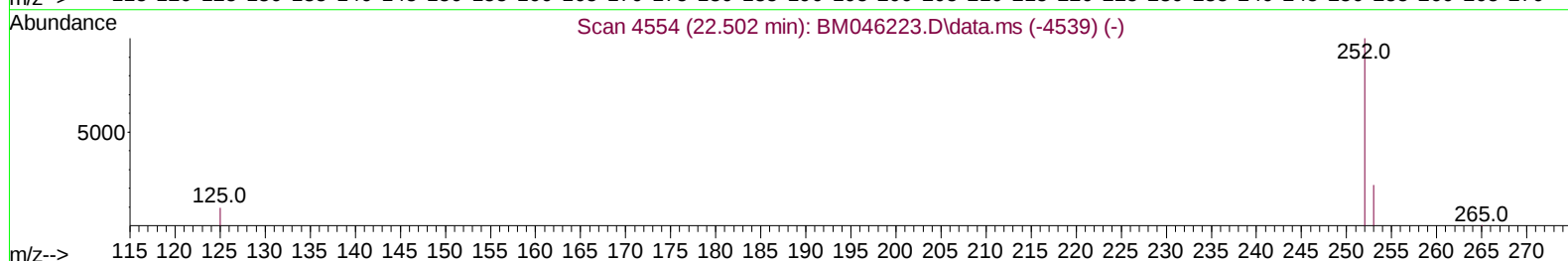
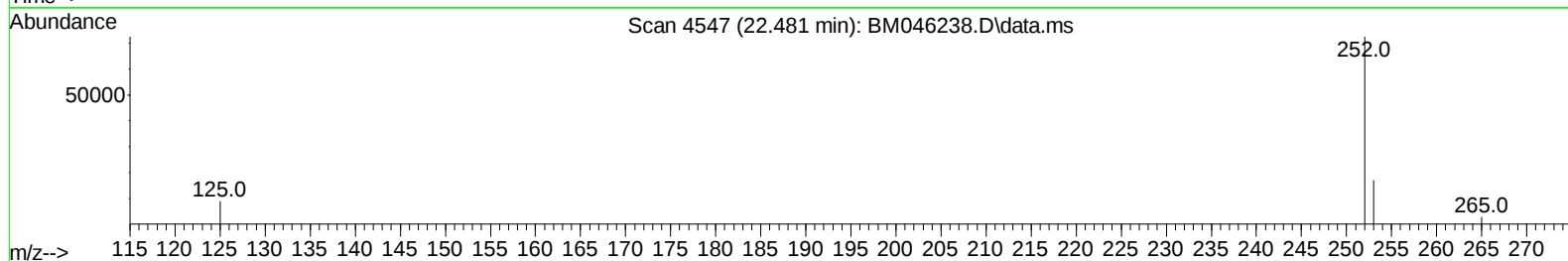
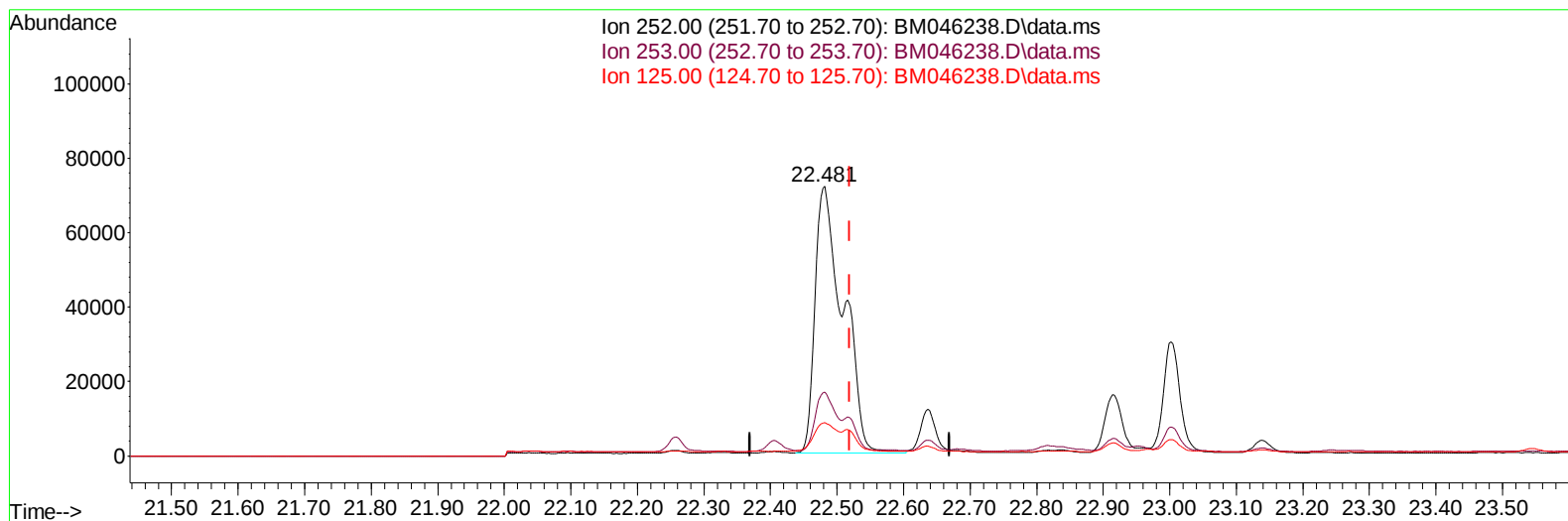
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046238.D
Acq On : 23 Jun 2024 16:53
Operator : MA/JU
Sample : P2776-08
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BM046238.D\data.ms

(24) Benzo(b)fluoranthene

22.481min (-0.038) 7.07 ng/u1

response 208208

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	23.73
125.00	20.10	12.35
0.00	0.00	0.00

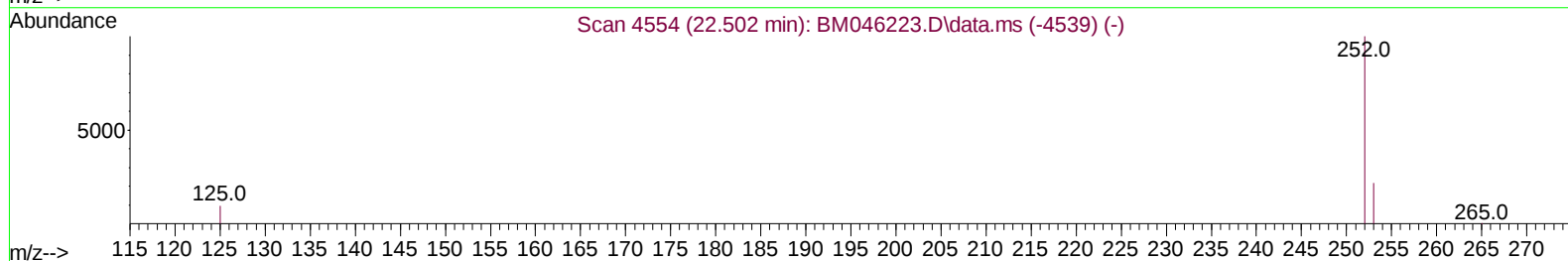
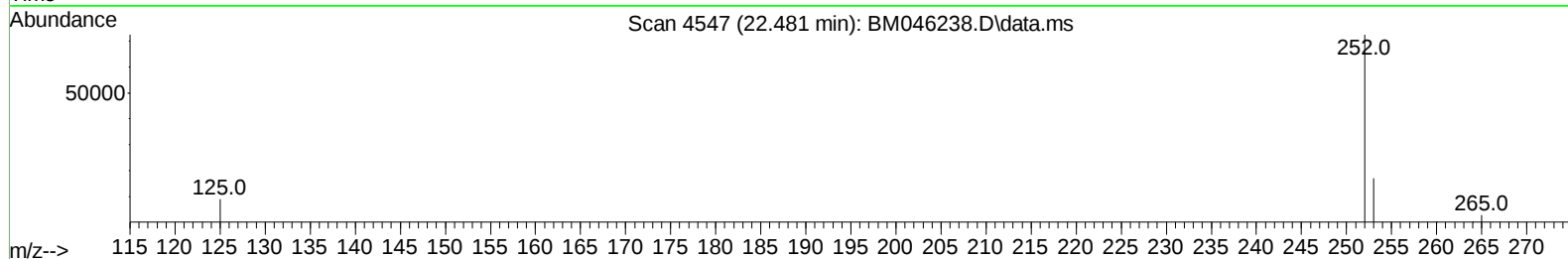
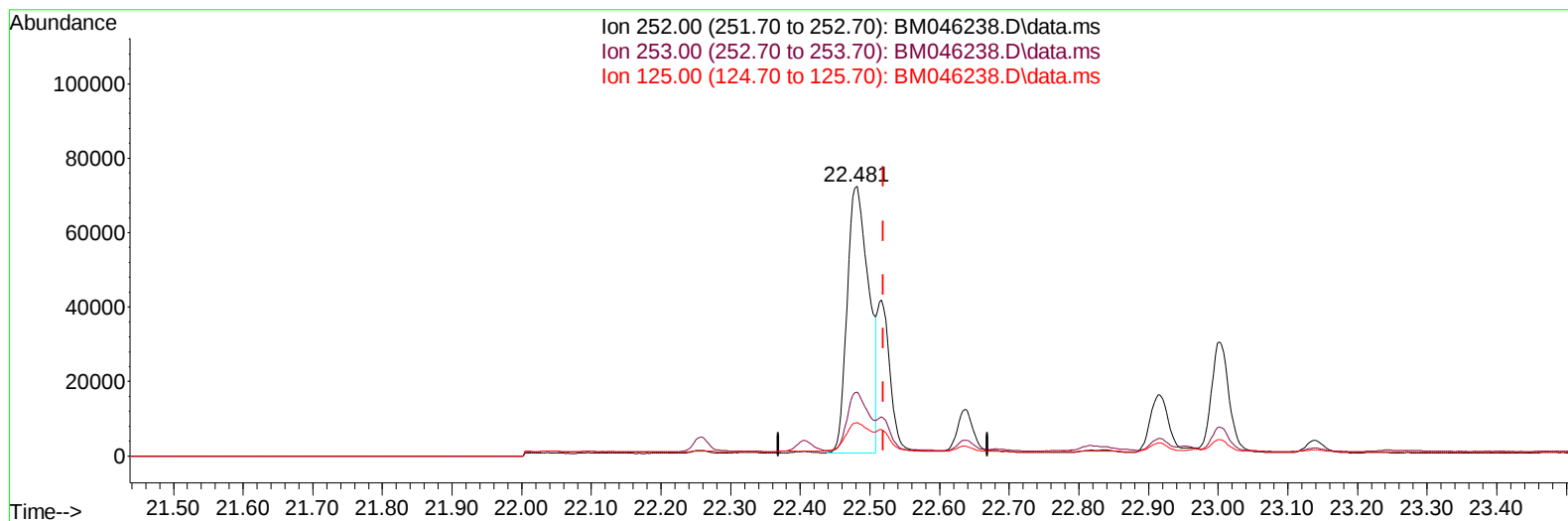
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046238.D
Acq On : 23 Jun 2024 16:53
Operator : MA/JU
Sample : P2776-08
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA0

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:32:07 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 : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046238.D\data.ms

(24) Benzo(b)fluoranthene

22.481min (-0.038) 5.24 ng/u1 m

response 154266

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	23.73
125.00	20.10	12.35
0.00	0.00	0.00

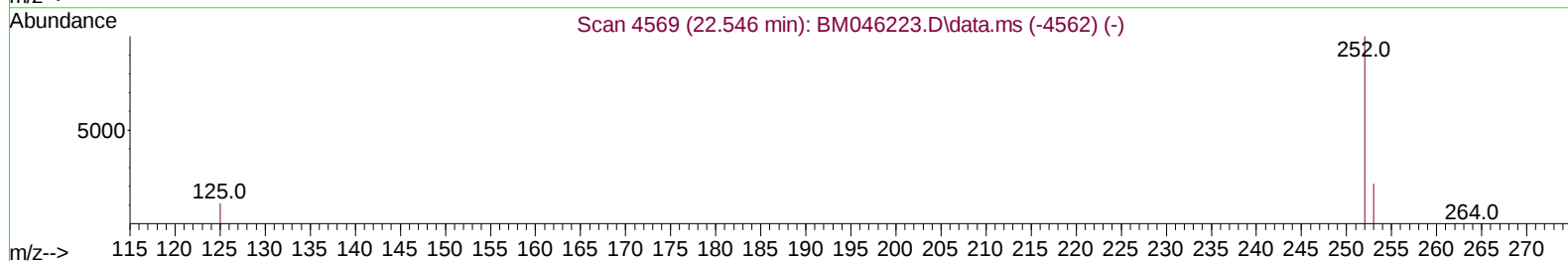
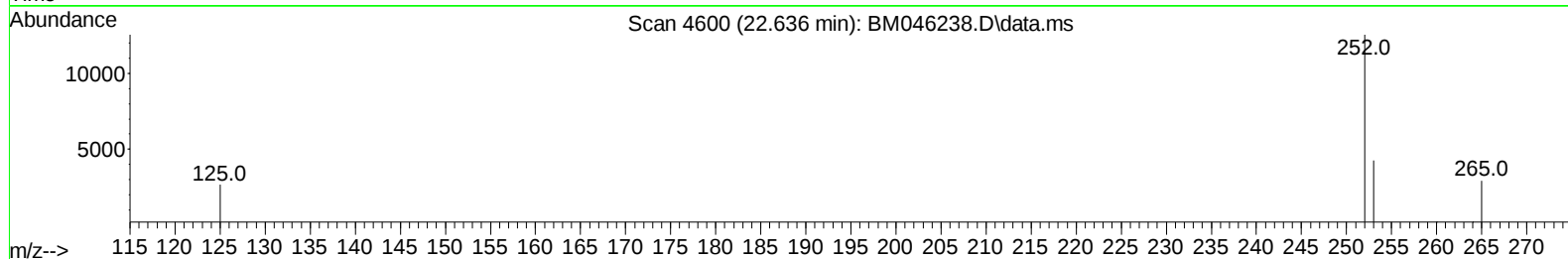
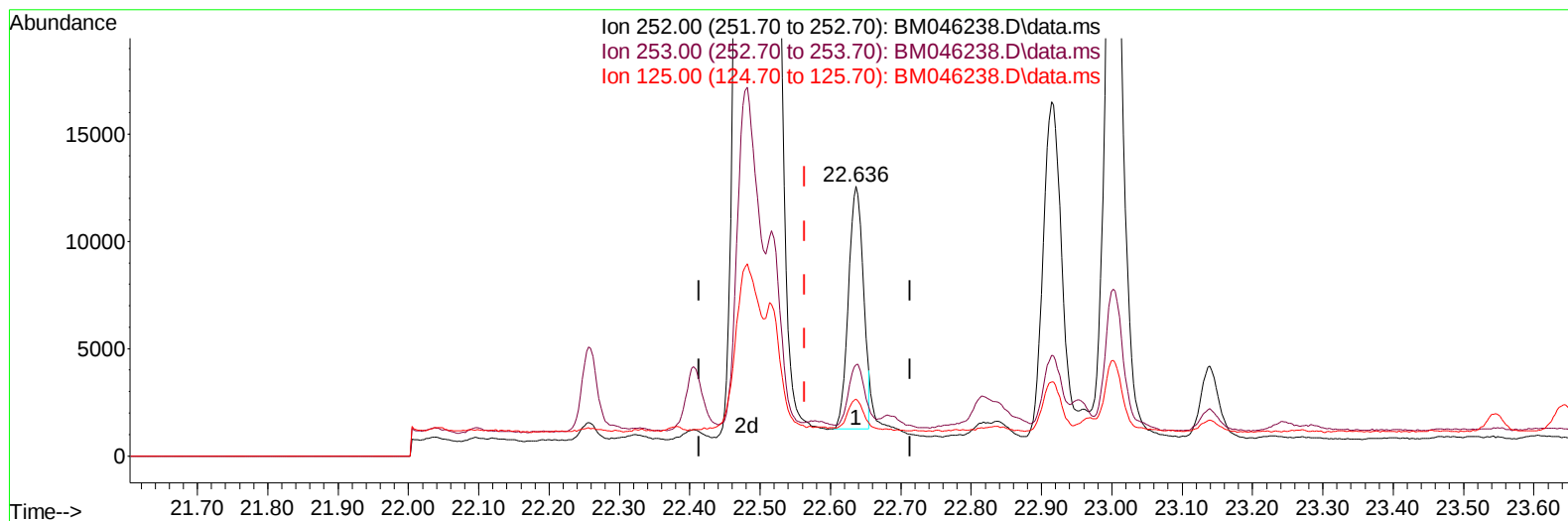
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046238.D
Acq On : 23 Jun 2024 16:53
Operator : MA/JU
Sample : P2776-08
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA0

Manual IntegrationsAPPROVED

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TIC: BM046238.D\data.ms

(25) Benzo(k)fluoranthene

22.636min (+ 0.073) 0.47 ng/u1

response 16571

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	33.85
125.00	20.80	21.17
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
 Data File : BM046238.D
 Acq On : 23 Jun 2024 16:53
 Operator : MA/JU
 Sample : P2776-08
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4CA0

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:32:07 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 : Mon Jun 24 02:25:34 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
 Supervised By :Jagrut Upadhyay 06/24/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.405	152	2488	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.171	136	7637	0.400	ng/ul	-0.08
9) Acenaphthene-d10	14.052	164	4203	0.400	ng/ul	-0.06
13) Phenanthrene-d10	16.798	188	9075m	0.400	ng/ul	-0.06
17) Chrysene-d12	21.003	240	7295m	0.400	ng/ul	-0.04
23) Perylene-d12	23.092	264	8177m	0.400	ng/ul	-0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.021	96	12481	3.656	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.799	152	2836	0.277	ng/ul	-0.07
18) Fluoranthene-d10	18.833	212	6865	0.314	ng/ul	-0.05
Target Compounds						
						Qvalue
5) Naphthalene	10.220	128	3446	0.162	ng/ul	98
7) 2-Methylnaphthalene	11.870	142	1064	0.089	ng/ul	100
8) 1-Methylnaphthalene	12.090	142	864	0.066	ng/ul	94
10) Acenaphthylene	13.770	152	7501	0.376	ng/ul	99
11) Acenaphthene	14.117	153	3854	0.268	ng/ul	99
12) Fluorene	15.111	166	4686	0.303	ng/ul	98
14) Pentachlorophenol	16.494	266	75	0.028	ng/ul	95
15) Phenanthrene	16.840	178	104210m	4.087	ng/ul	
16) Anthracene	16.933	178	20498m	1.079	ng/ul	
19) Fluoranthene	18.861	202	233469	7.392	ng/ul	97
20) Pyrene	19.229	202	156433	4.580	ng/ul	95
21) Benzo(a)anthracene	20.985	228	101206	3.592	ng/ul	99
22) Chrysene	21.038	228	107582	2.992	ng/ul	99
24) Benzo(b)fluoranthene	22.481	252	154266m	5.236	ng/ul	
25) Benzo(k)fluoranthene	22.516	252	51870m	1.481	ng/ul	
26) Benzo(a)pyrene	23.002	252	52930	1.939	ng/ul#	76
27) Indeno(1,2,3-cd)pyrene	25.135	276	55055	1.232	ng/ul#	94
28) Dibenzo(a,h)anthracene	25.139	278	17966	0.540	ng/ul	98
29) Benzo(g,h,i)perylene	25.759	276	8138	0.212	ng/ul#	87

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046238.D
Acq On : 23 Jun 2024 16:53
Operator : MA/JU
Sample : P2776-08
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA0

Manual IntegrationsAPPROVED

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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