

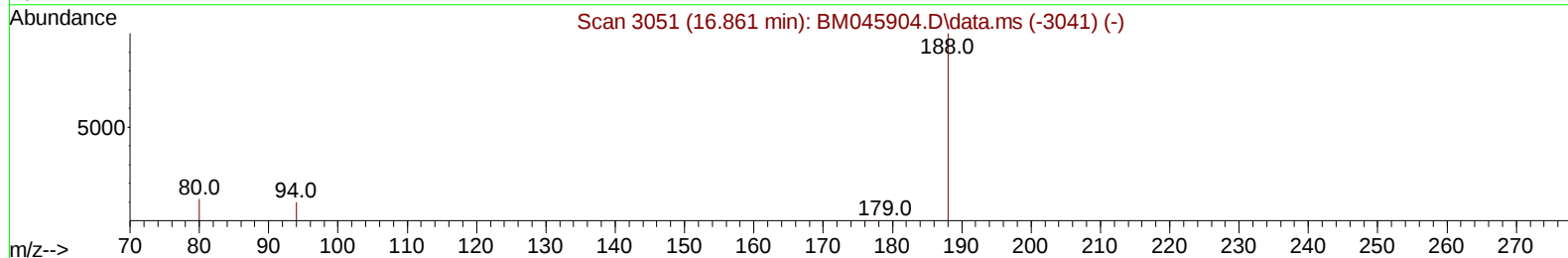
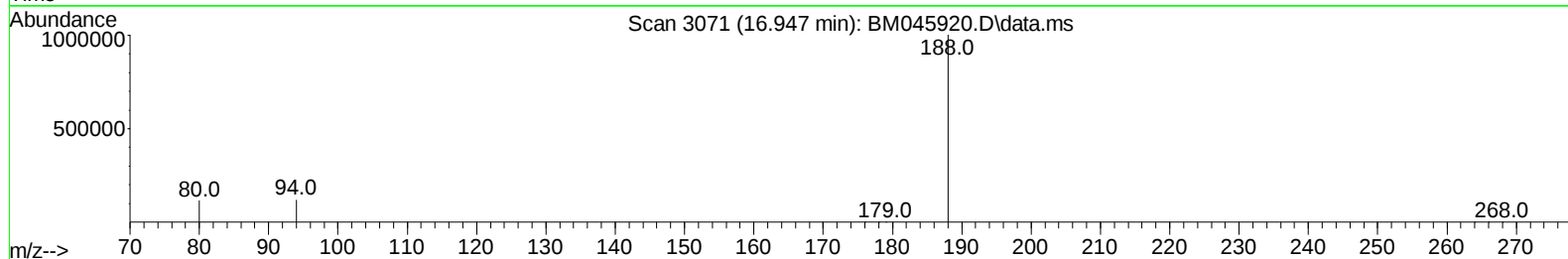
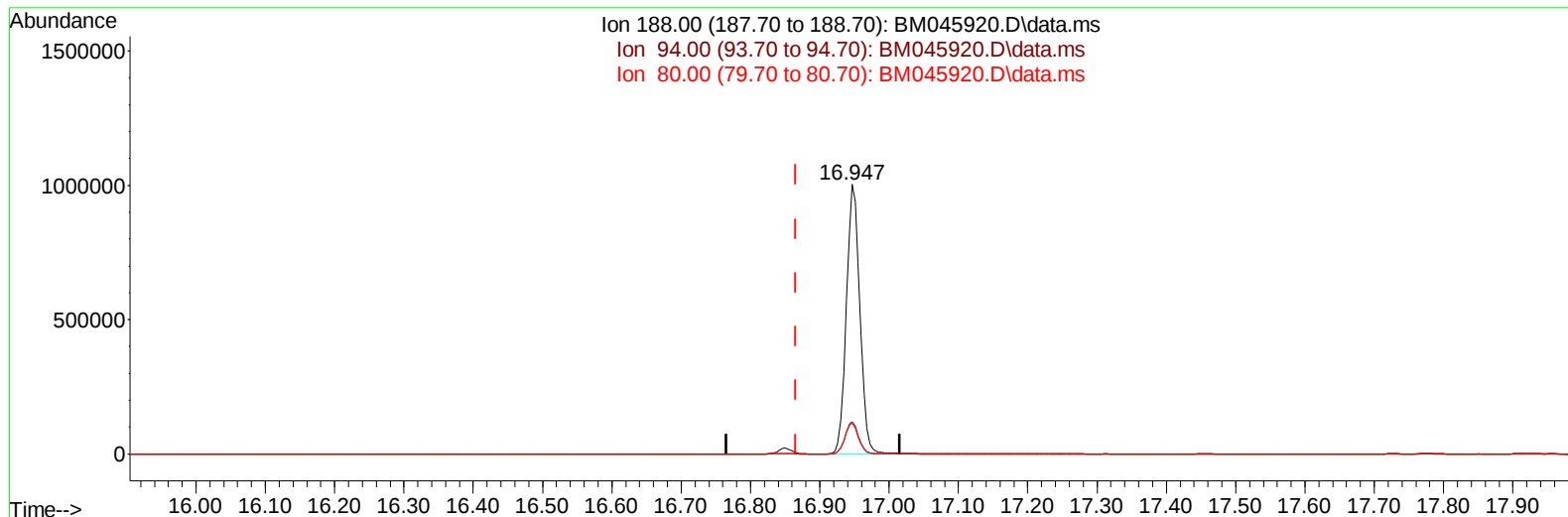
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045920.D
Acq On : 08 Jun 2024 17:28
Operator : MA/JU
Sample : P2640-22
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C35

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:18 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: BM045920.D\data.ms

(13) Phenanthrene-d10 (I)

16.947min (+ 0.081) 0.40 ng/u1

response 1360898

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	11.94
80.00	11.70	11.41
0.00	0.00	0.00

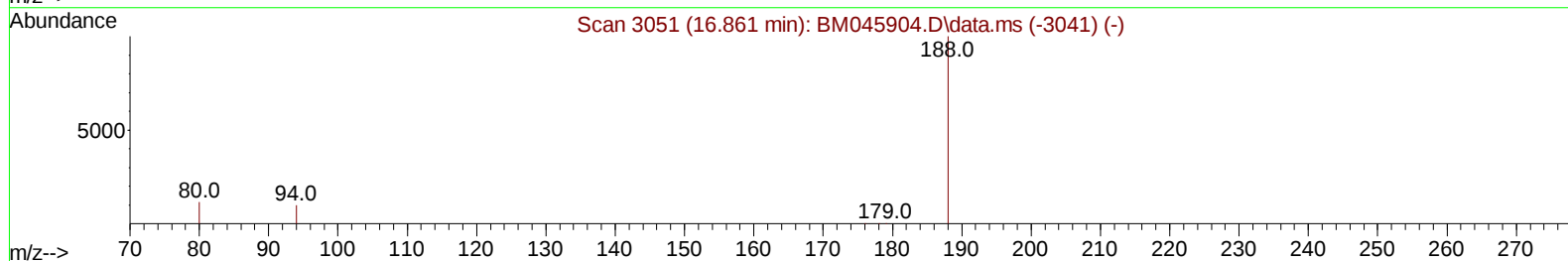
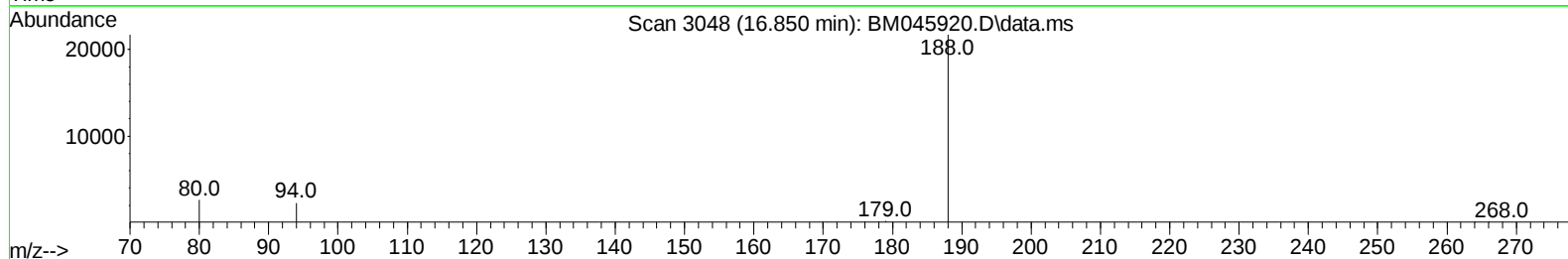
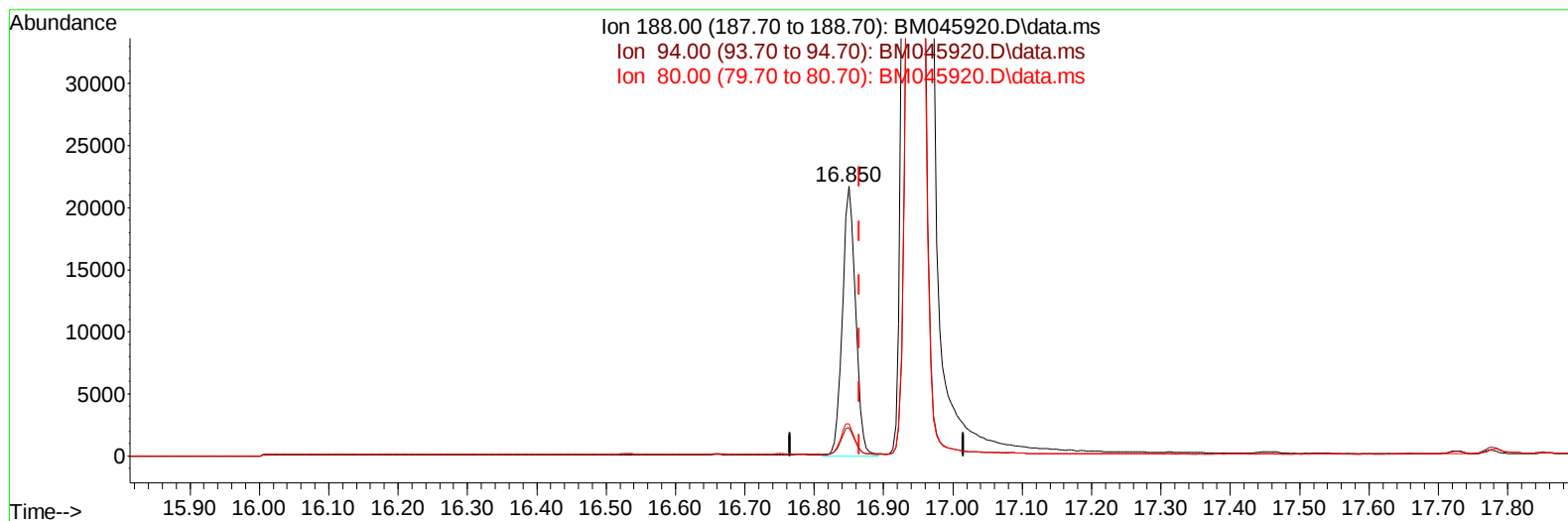
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045920.D
Acq On : 08 Jun 2024 17:28
Operator : MA/JU
Sample : P2640-22
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C35

Manual IntegrationsAPPROVED

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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: BM045920.D\data.ms

(13) Phenanthrene-d10 (I)

16.850min (-0.016) 0.40 ng/u1 m

response 28750

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	10.45
80.00	11.70	11.96
0.00	0.00	0.00

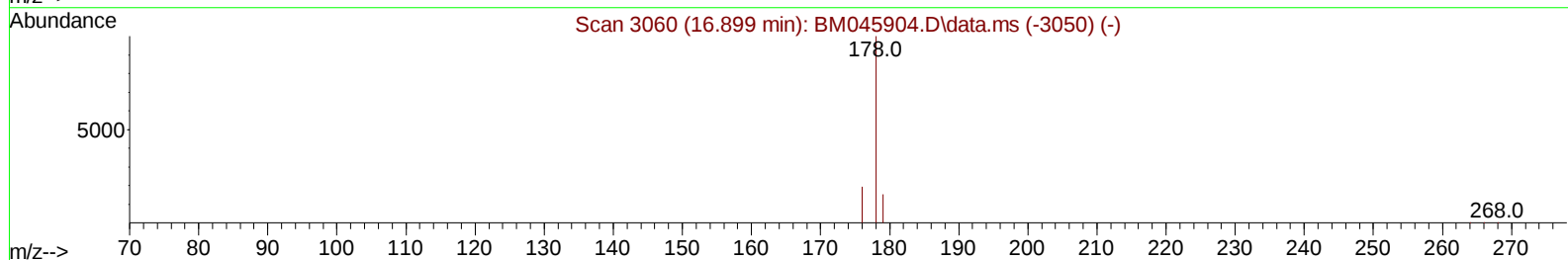
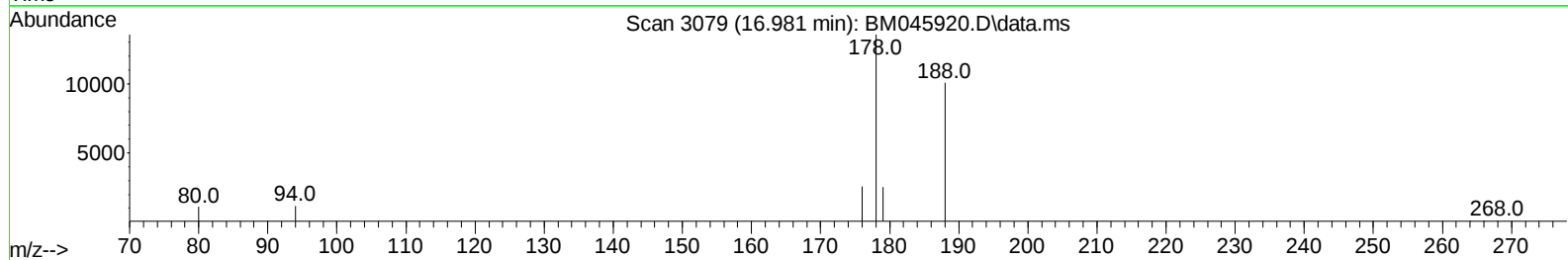
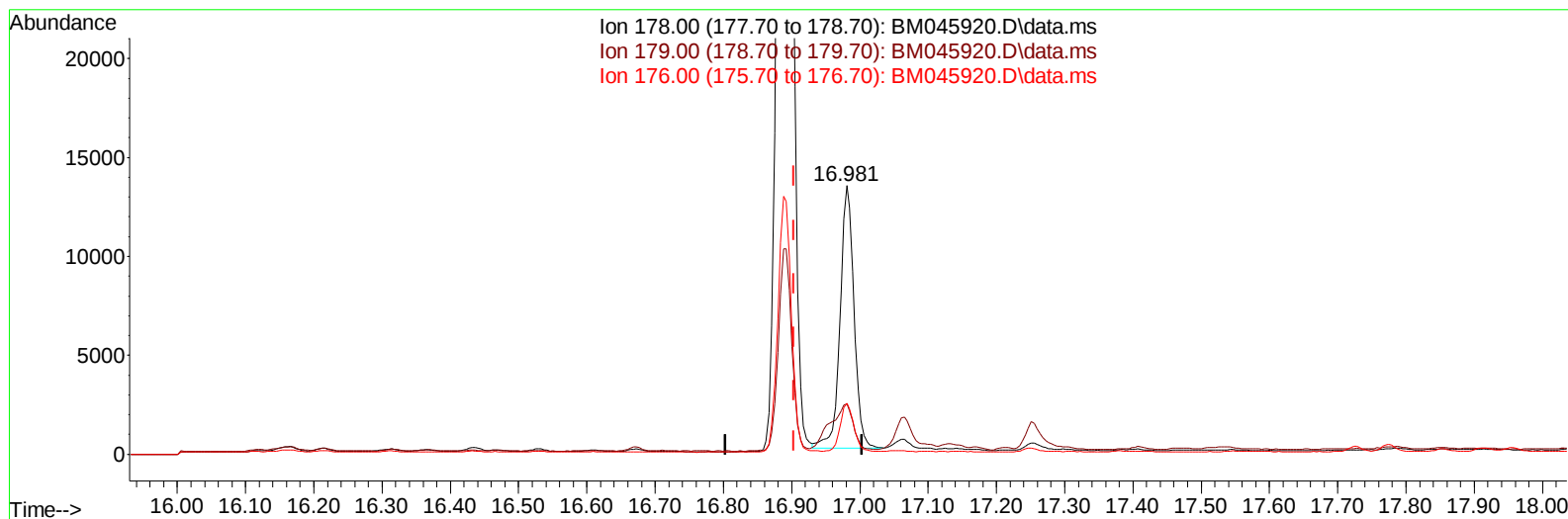
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045920.D
Acq On : 08 Jun 2024 17:28
Operator : MA/JU
Sample : P2640-22
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C35

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:18 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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TIC: BM045920.D\data.ms

(15) Phenanthrene

16.981min (+ 0.077) 0.23 ng/u1

response 18956

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	18.80
176.00	19.50	19.10
0.00	0.00	0.00

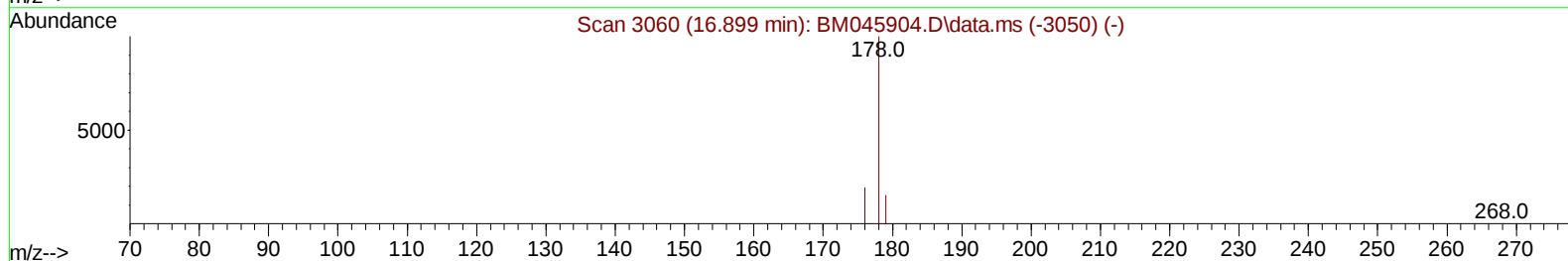
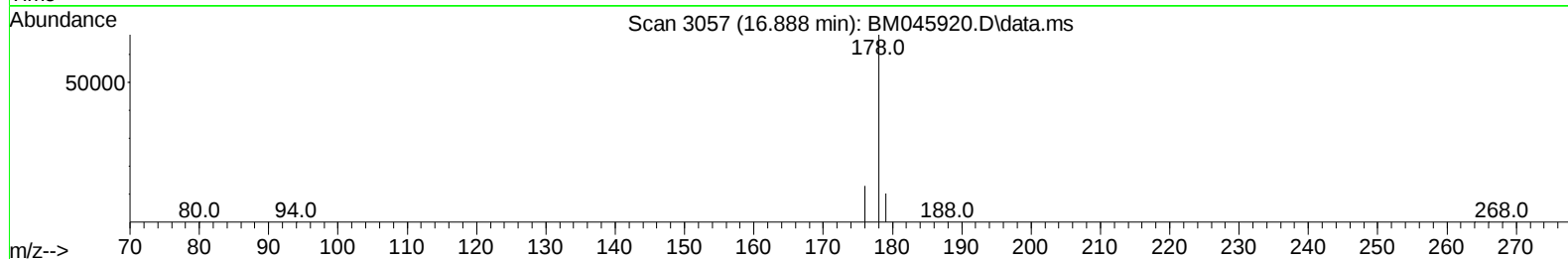
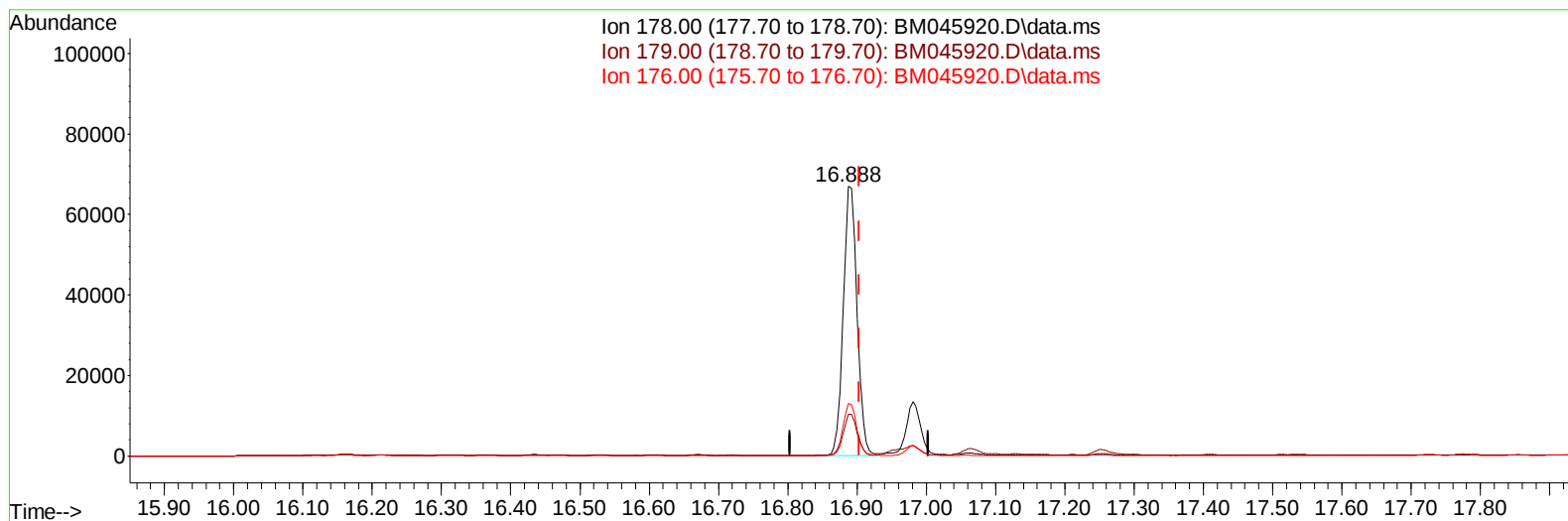
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045920.D
Acq On : 08 Jun 2024 17:28
Operator : MA/JU
Sample : P2640-22
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C35

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:18 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: BM045920.D\data.ms

(15) Phenanthrene

16.888min (-0.016) 1.14 ng/u1 m

response 92015

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	15.49
176.00	19.50	19.45
0.00	0.00	0.00

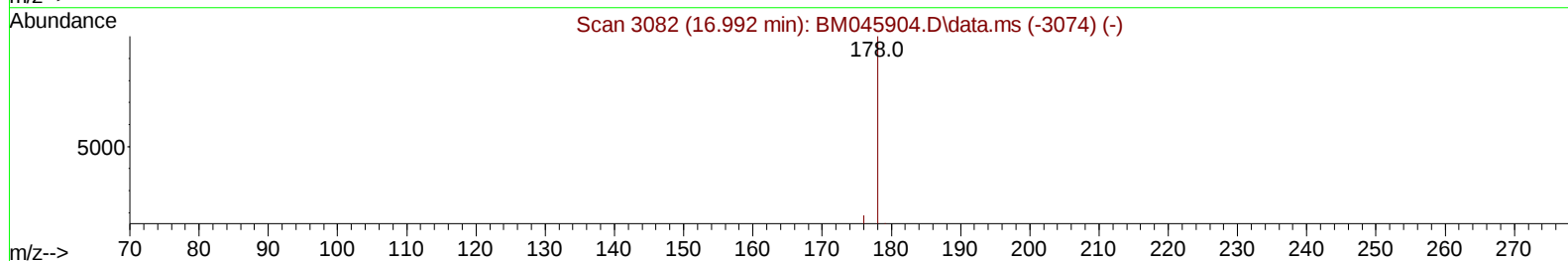
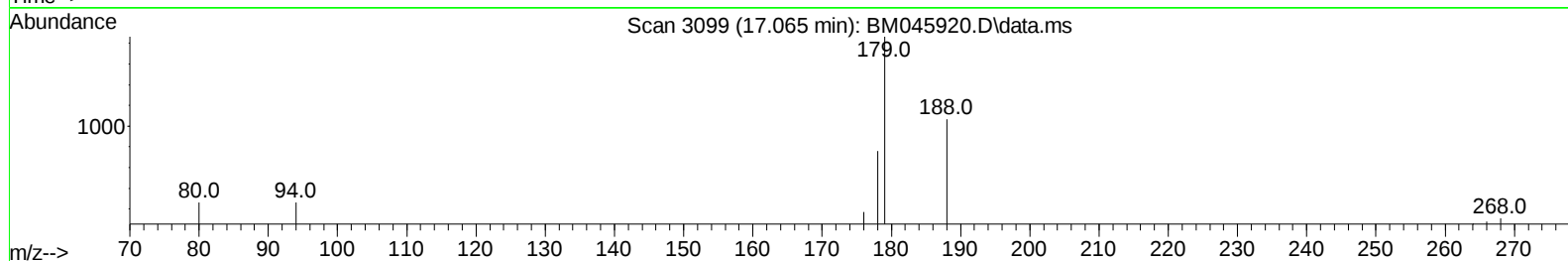
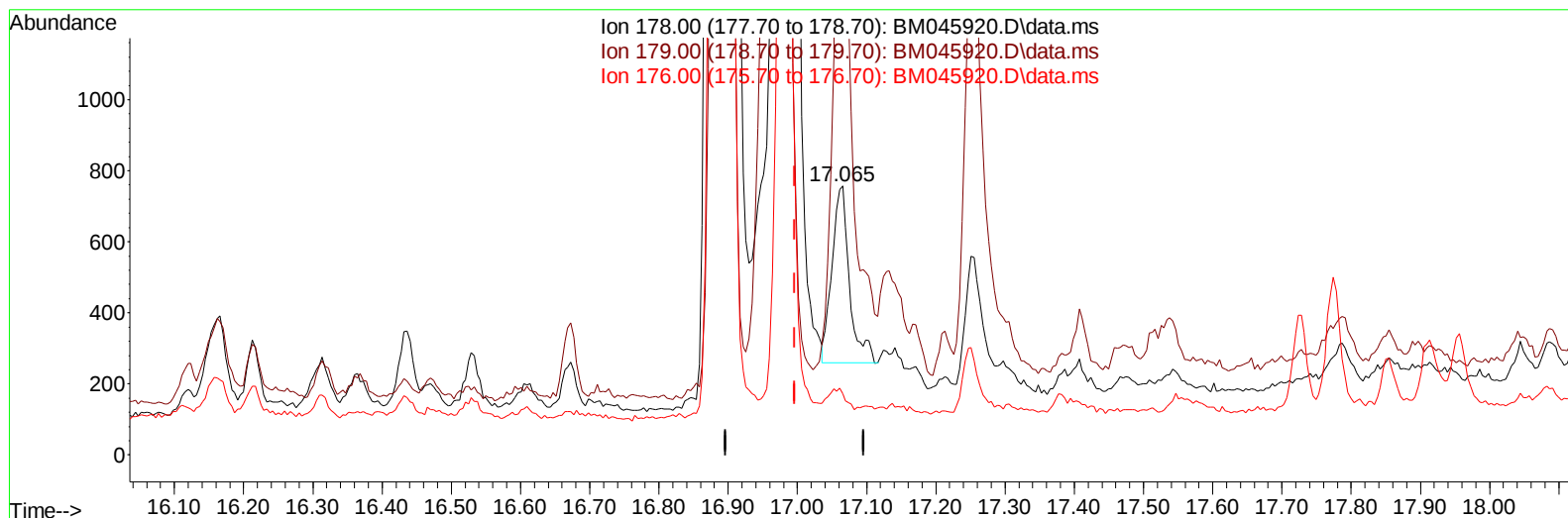
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
 Data File : BM045920.D
 Acq On : 08 Jun 2024 17:28
 Operator : MA/JU
 Sample : P2640-22
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C35

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:18 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: BM045920.D\data.ms

(16) Anthracene

17.065min (+ 0.069) 0.01 ng/u1

response 866

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	246.10#
176.00	19.40	22.72
0.00	0.00	0.00

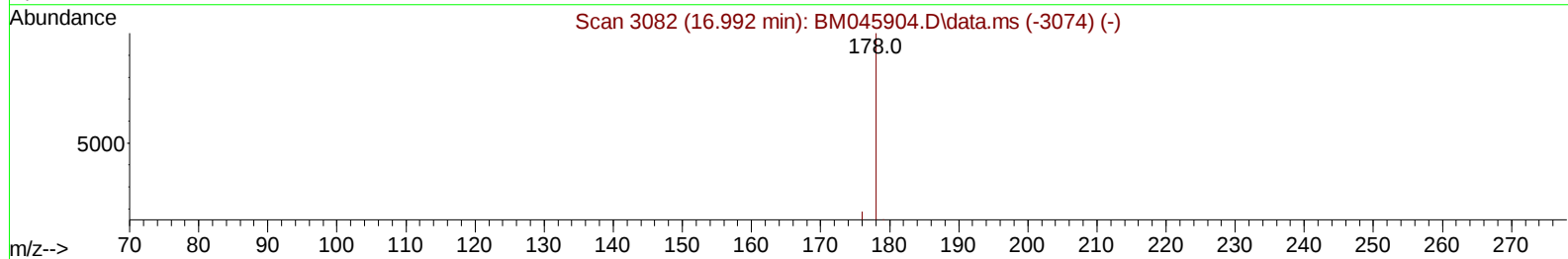
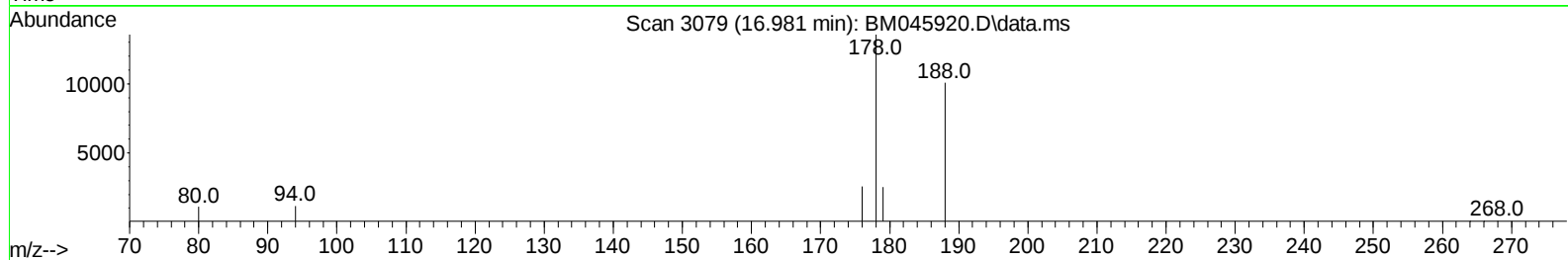
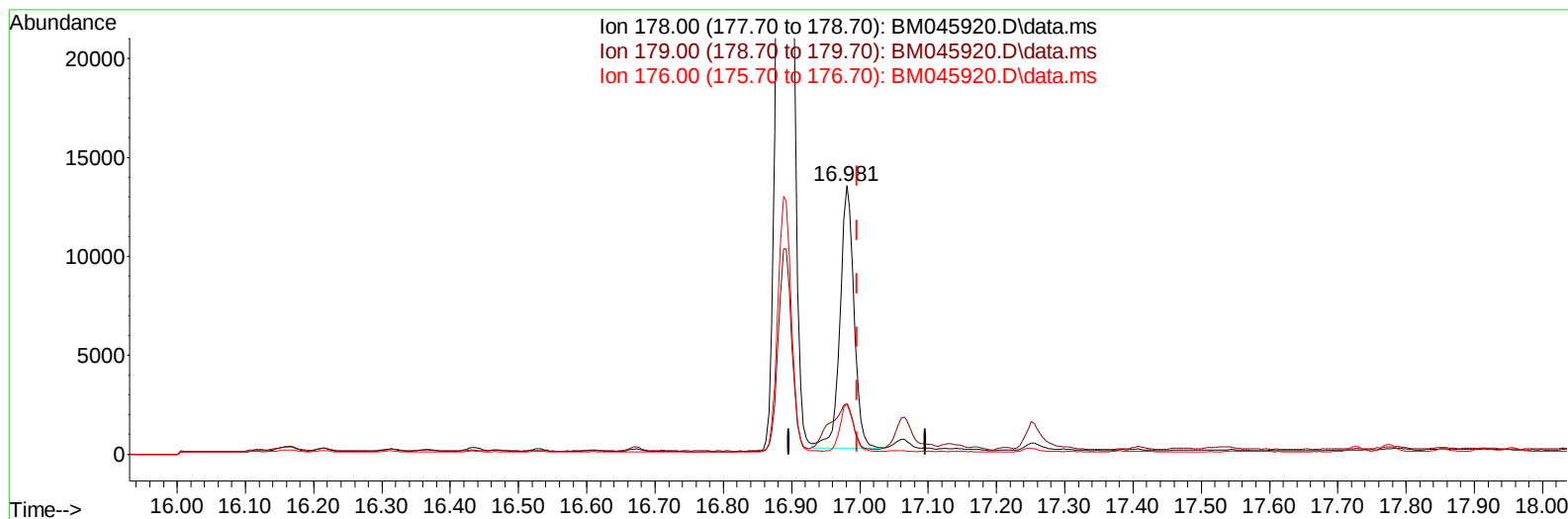
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Data File : BM045920.D
Acq On : 08 Jun 2024 17:28
Operator : MA/JU
Sample : P2640-22
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C35

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:18 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
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TIC: BM045920.D\data.ms

(16) Anthracene

16.981min (-0.016) 0.28 ng/ul m

response 19019

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	18.80
176.00	19.40	19.10
0.00	0.00	0.00

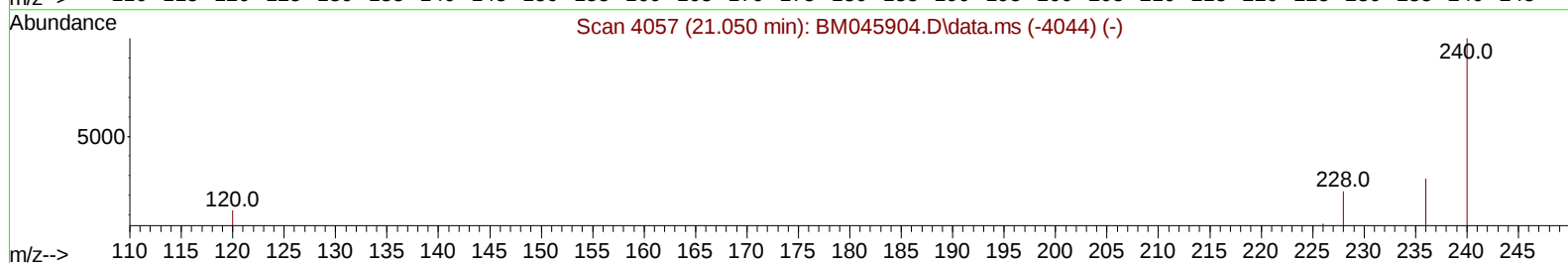
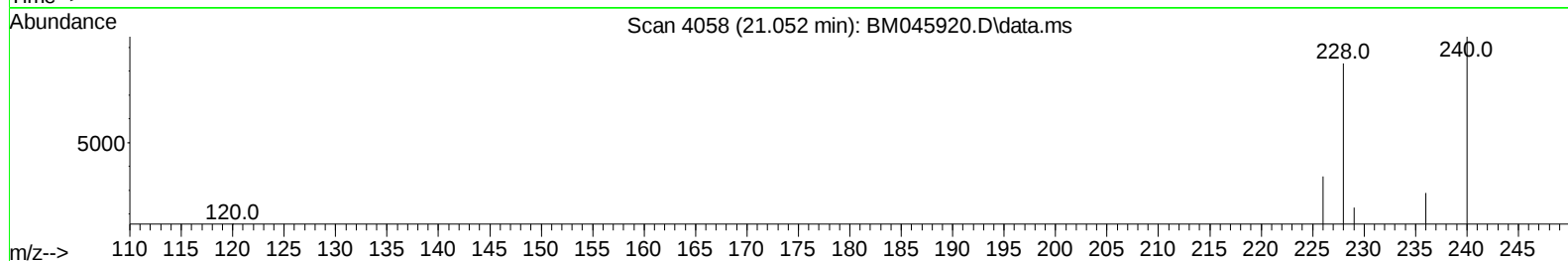
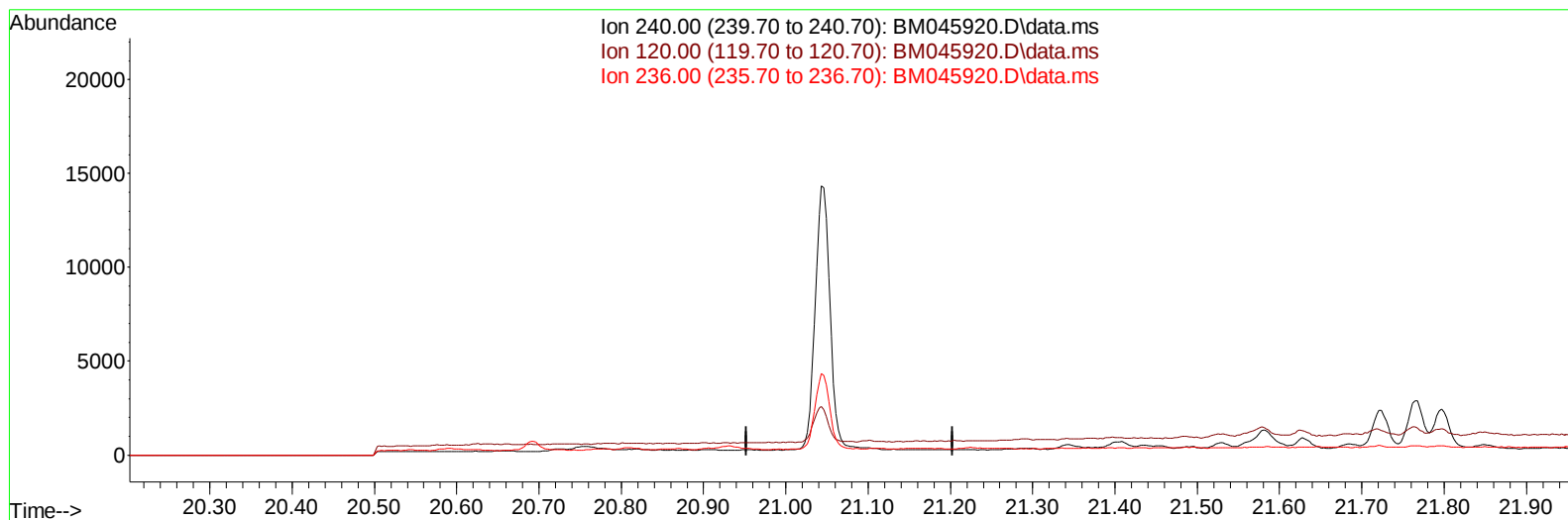
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045920.D
Acq On : 08 Jun 2024 17:28
Operator : MA/JU
Sample : P2640-22
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C35

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:18 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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TIC: BM045920.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

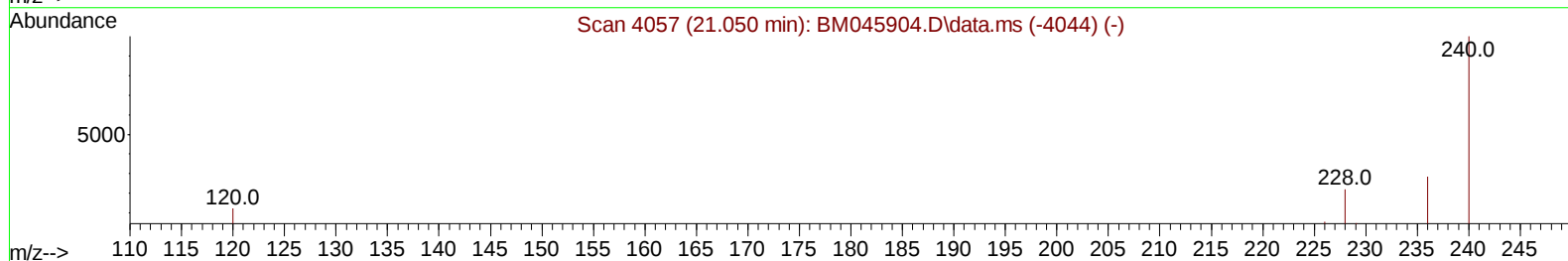
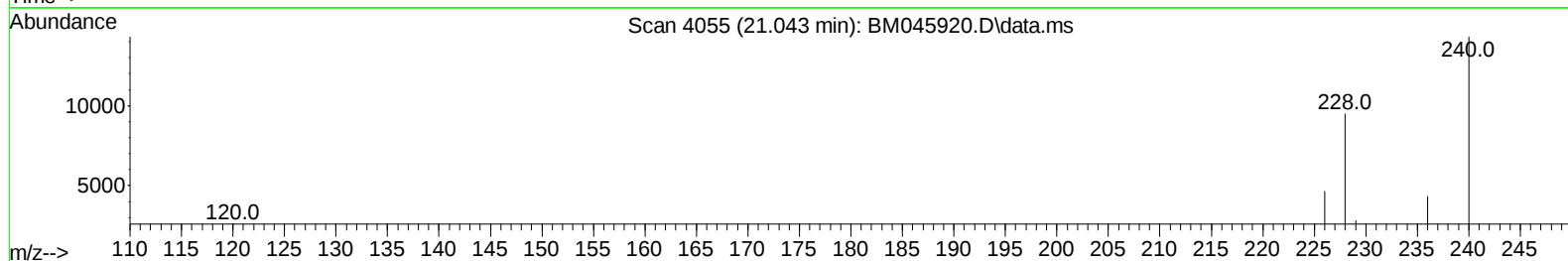
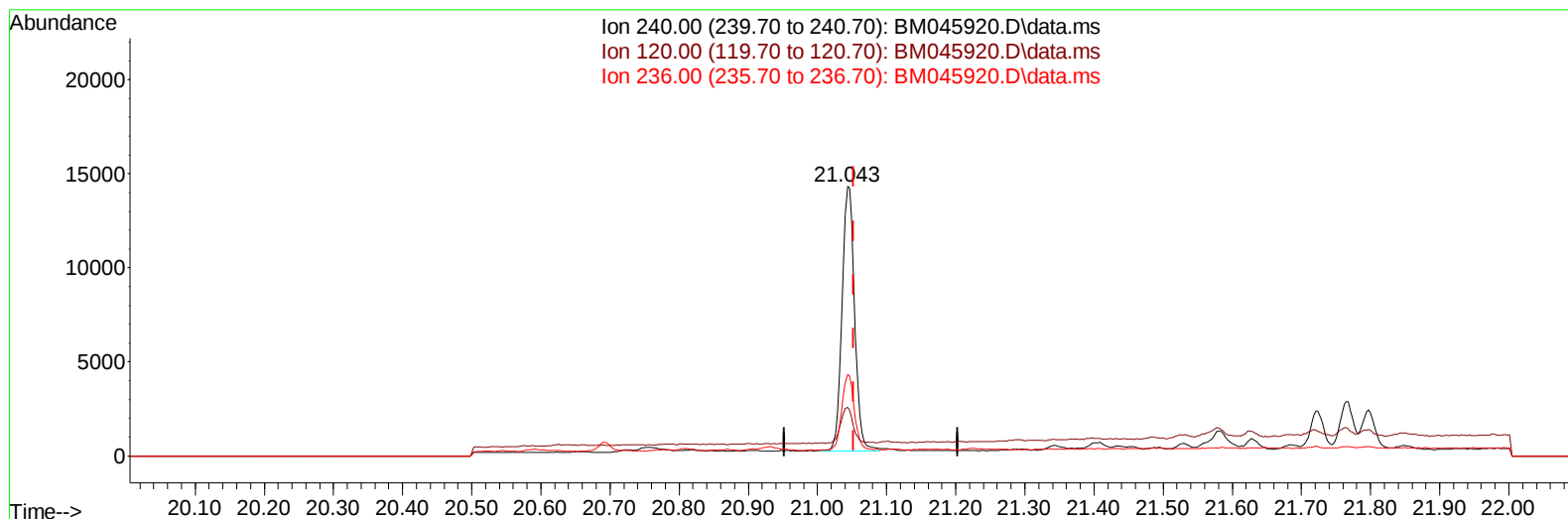
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045920.D
Acq On : 08 Jun 2024 17:28
Operator : MA/JU
Sample : P2640-22
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C35

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:18 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: BM045920.D\data.ms

(17) Chrysene-d12

21.043min (-0.009) 0.40 ng/ul m

response 17739

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.10	18.09
236.00	29.50	30.22
0.00	0.00	0.00

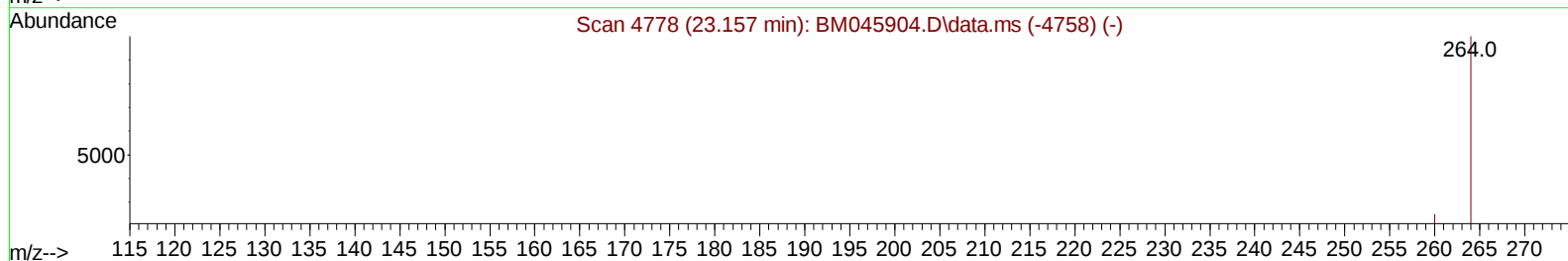
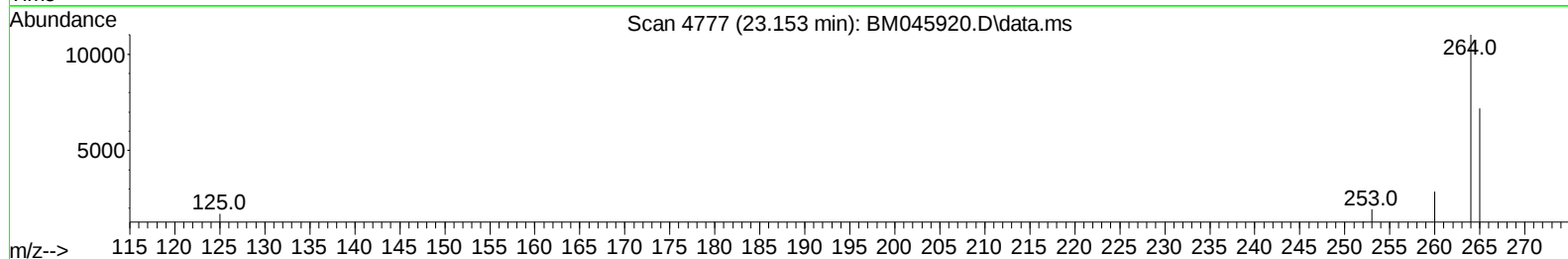
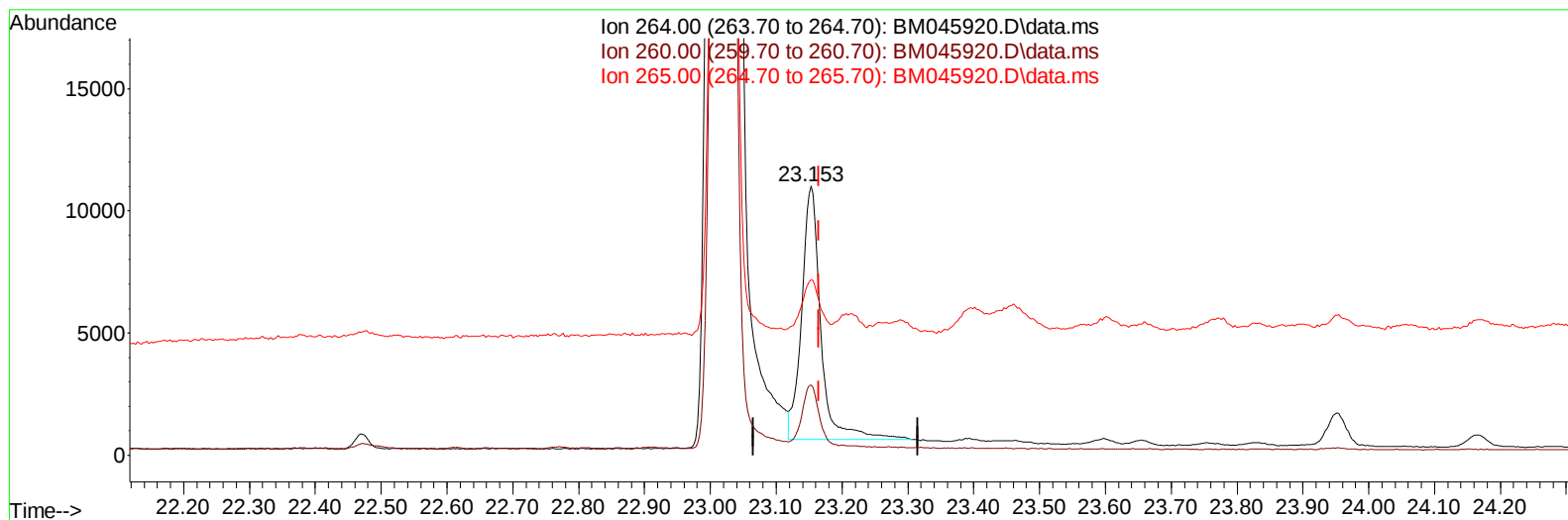
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Data File : BM045920.D
Acq On : 08 Jun 2024 17:28
Operator : MA/JU
Sample : P2640-22
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C35

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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TIC: BM045920.D\data.ms

(23) Perylene-d12 (I)

23.153min (-0.012) 0.40 ng/u1

response 20942

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	26.16
265.00	76.60	65.16
0.00	0.00	0.00

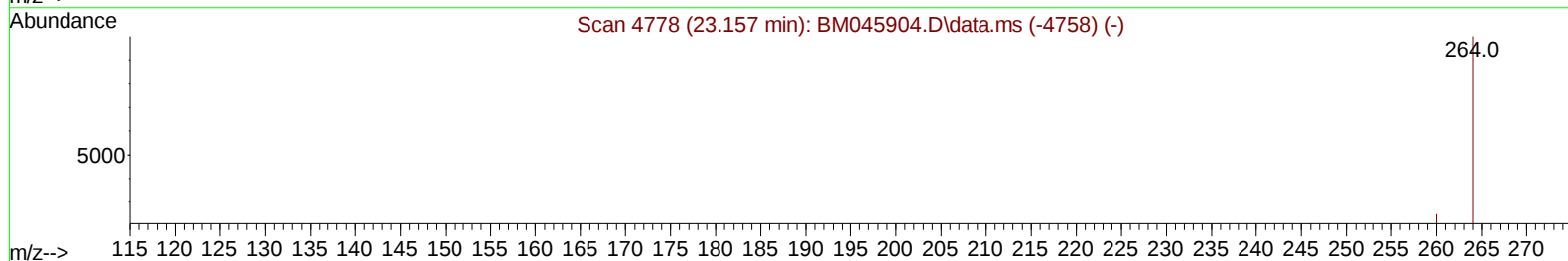
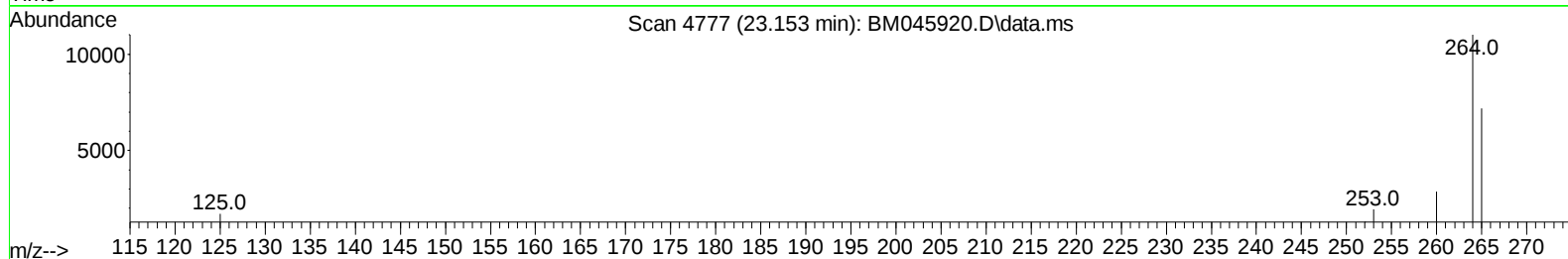
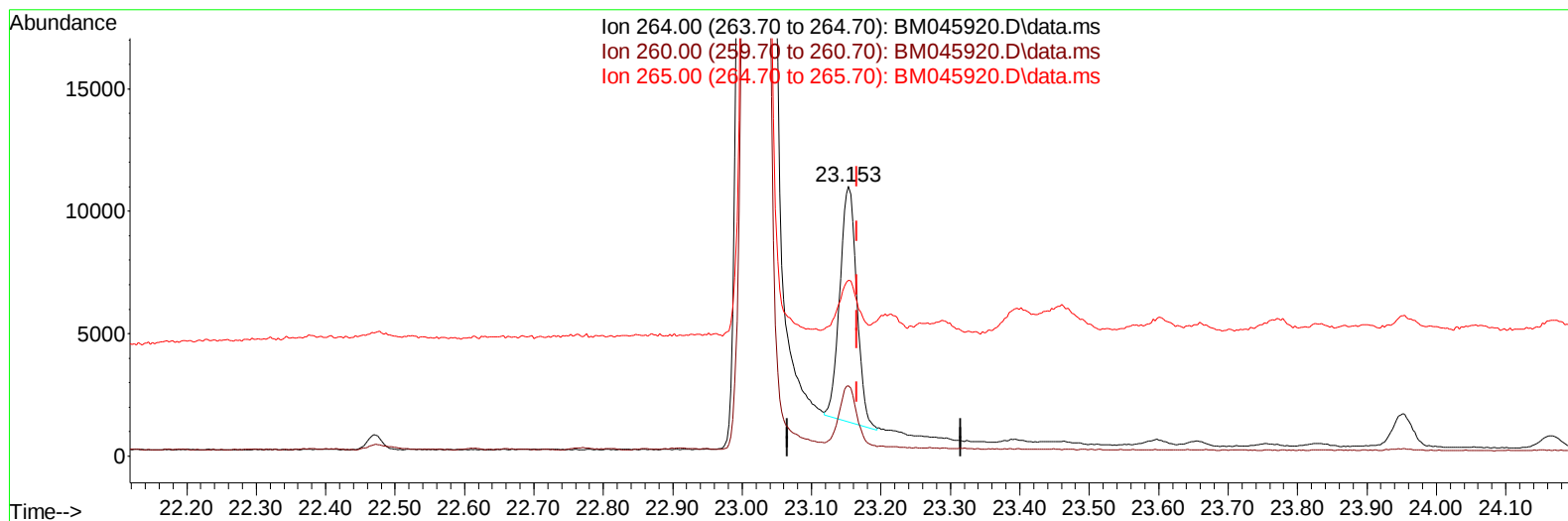
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045920.D
Acq On : 08 Jun 2024 17:28
Operator : MA/JU
Sample : P2640-22
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C35

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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Reviewed By :Yogesh Patel 06/10/2024
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TIC: BM045920.D\data.ms

(23) Perylene-d12 (I)

23.153min (-0.012) 0.40 ng/ul m

response 16180

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	26.16
265.00	76.60	65.16
0.00	0.00	0.00

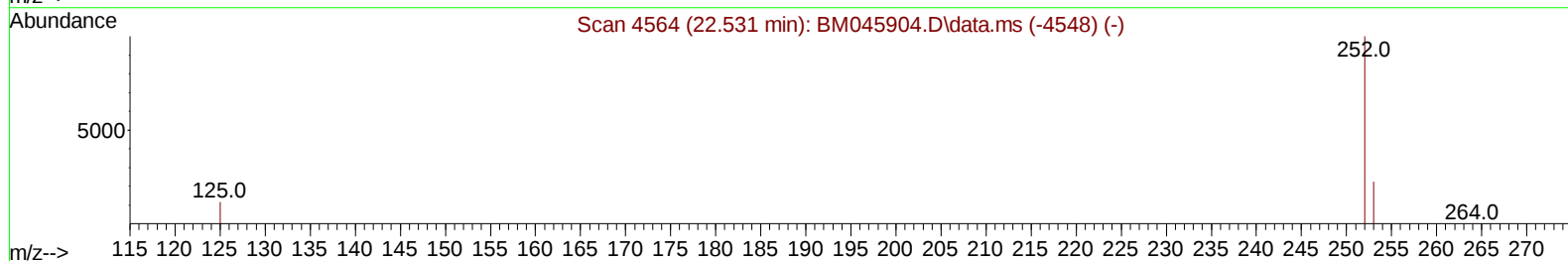
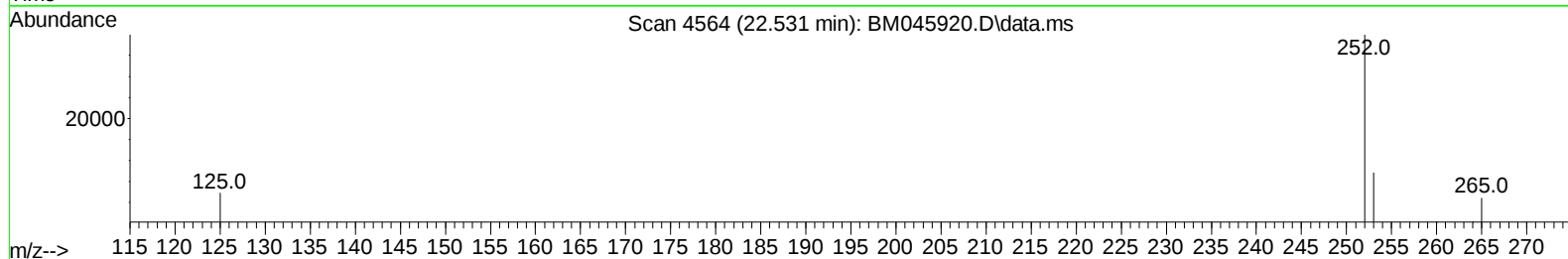
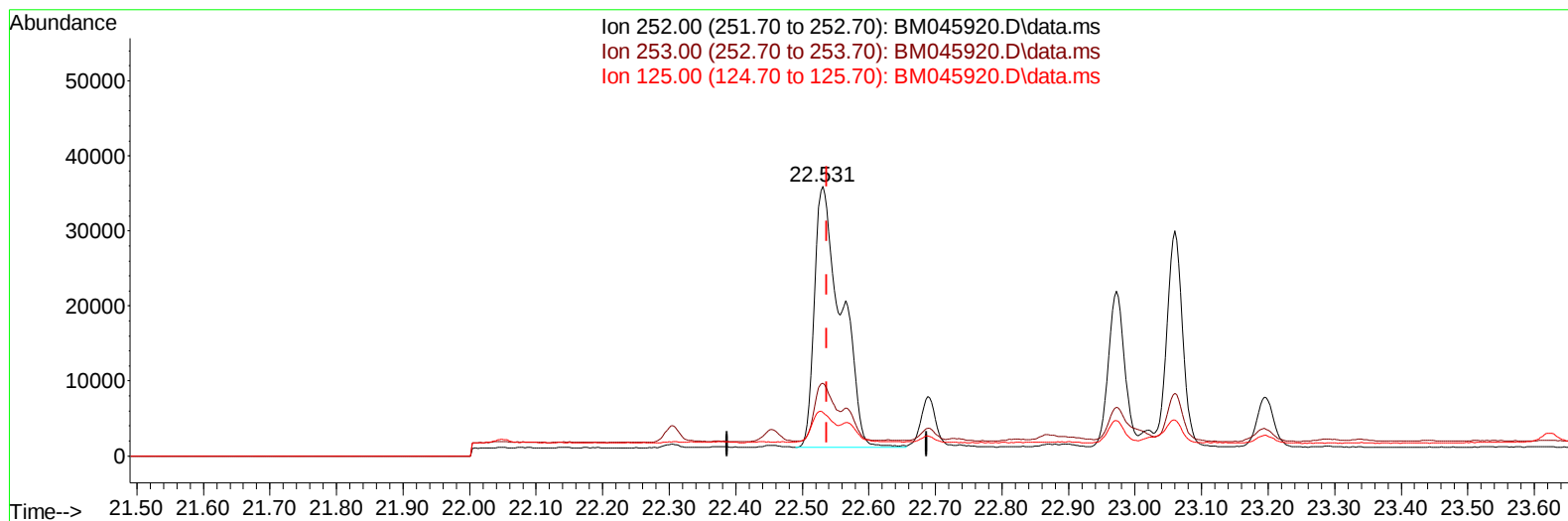
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045920.D
Acq On : 08 Jun 2024 17:28
Operator : MA/JU
Sample : P2640-22
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C35

Manual IntegrationsAPPROVED

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TIC: BM045920.D\data.ms

(24) Benzo(b)fluoranthene

22.531min (-0.006) 1.80 ng/u1

response 96791

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	26.96
125.00	17.90	16.07
0.00	0.00	0.00

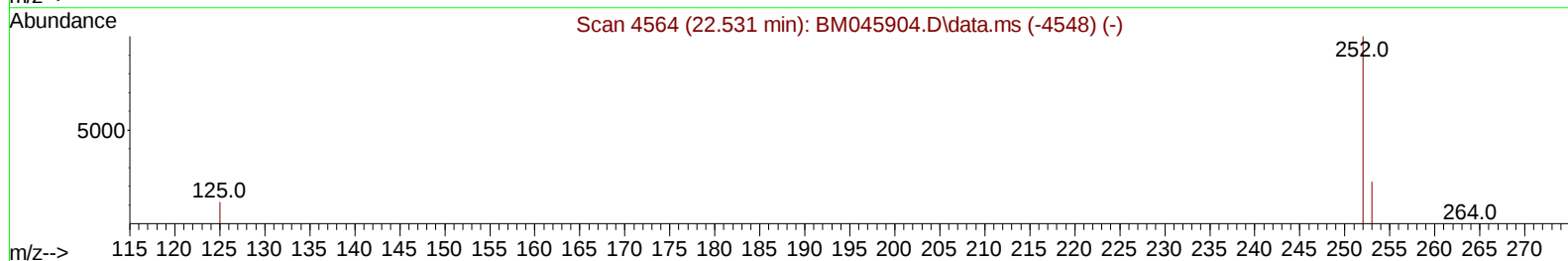
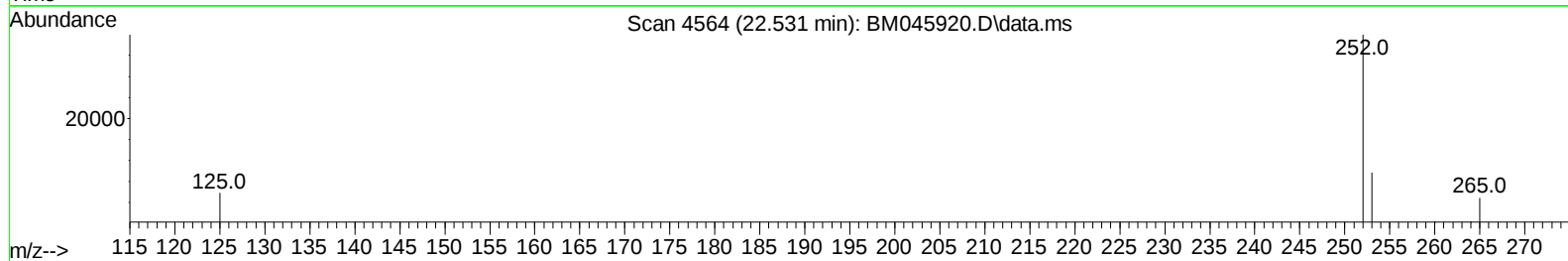
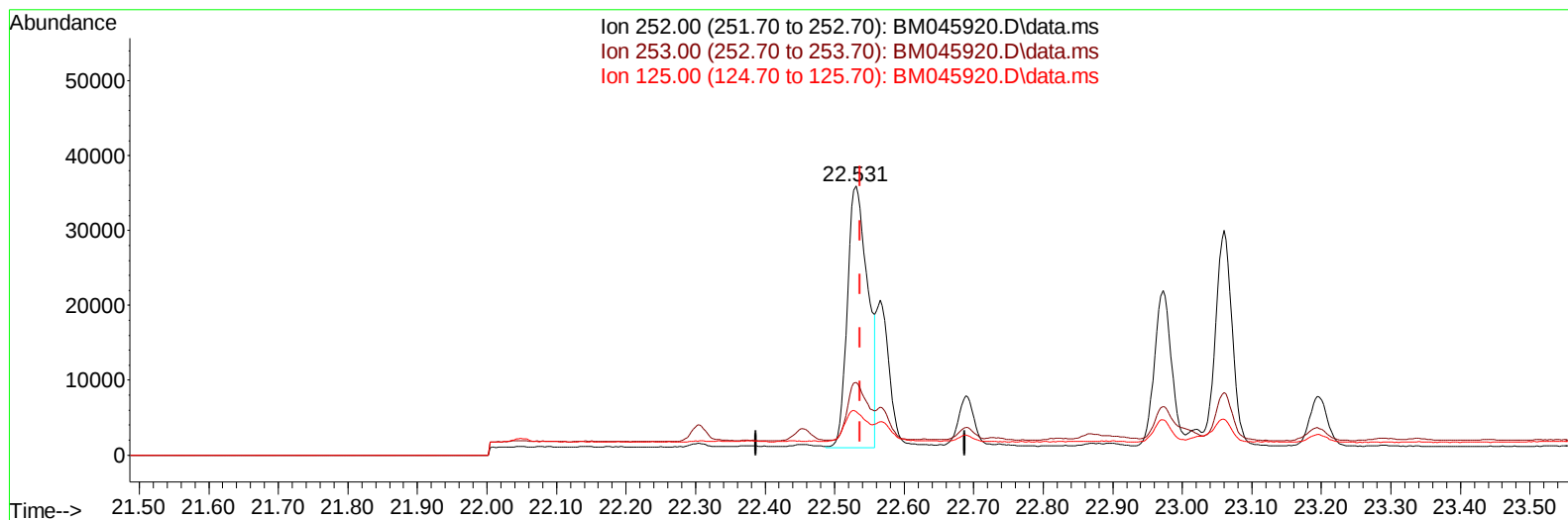
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045920.D
Acq On : 08 Jun 2024 17:28
Operator : MA/JU
Sample : P2640-22
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C35

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:18 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: BM045920.D\data.ms

(24) Benzo(b)fluoranthene

22.531min (-0.006) 1.33 ng/u1 m

response 71571

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	26.96
125.00	17.90	16.07
0.00	0.00	0.00

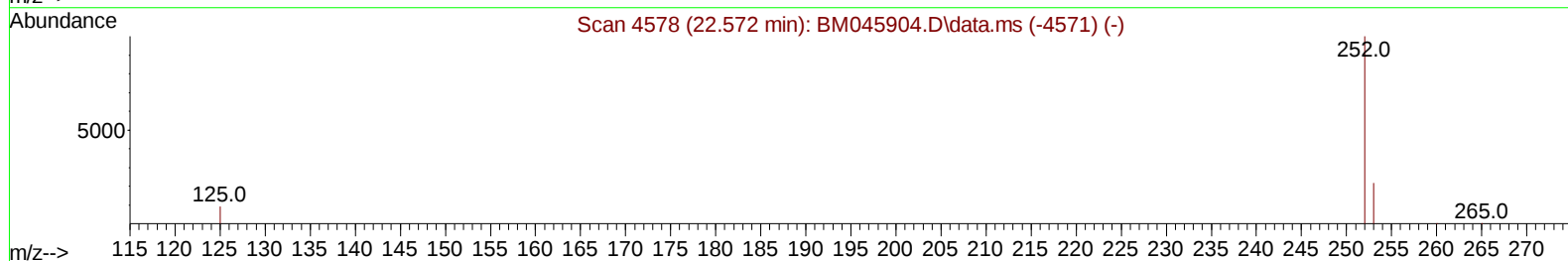
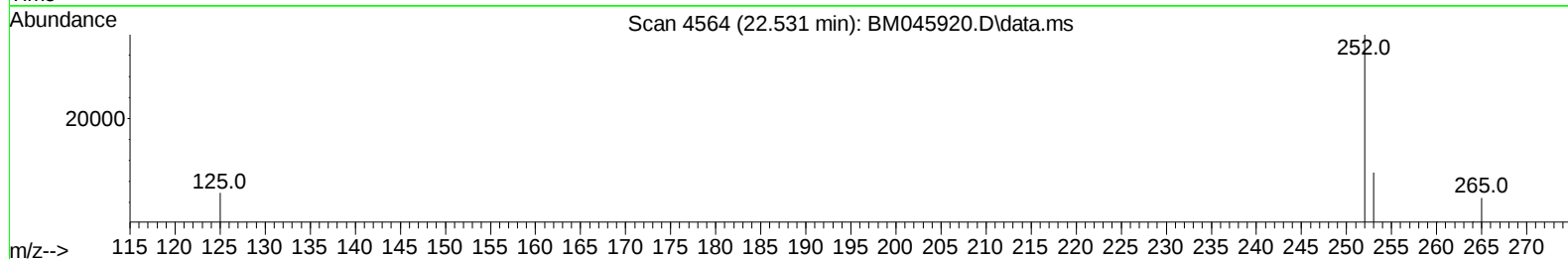
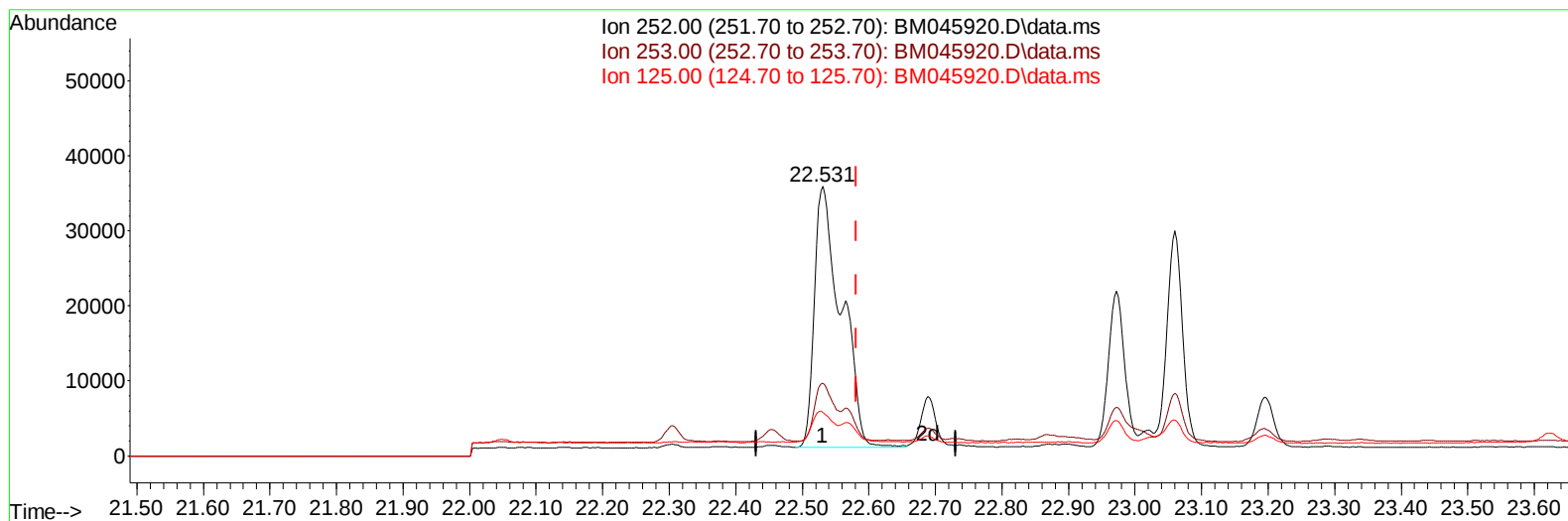
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045920.D
Acq On : 08 Jun 2024 17:28
Operator : MA/JU
Sample : P2640-22
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C35

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:18 2024
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Supervised By :mohammad ahmed 06/13/2024



TIC: BM045920.D\data.ms

(25) Benzo(k)fluoranthene

22.531min (-0.050) 1.64 ng/u1

response 96791

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	26.96
125.00	17.70	16.07
0.00	0.00	0.00

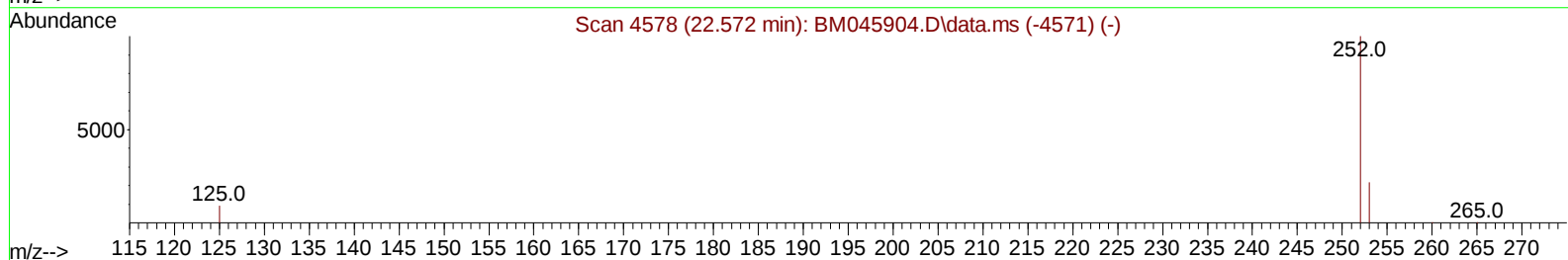
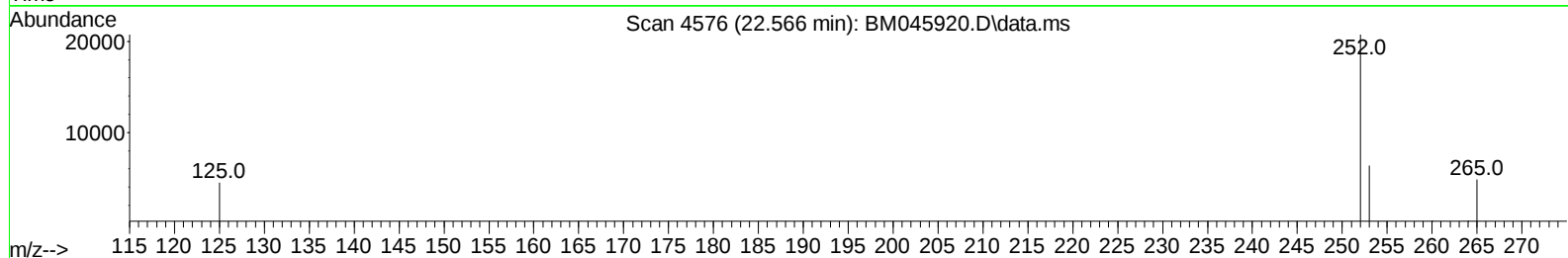
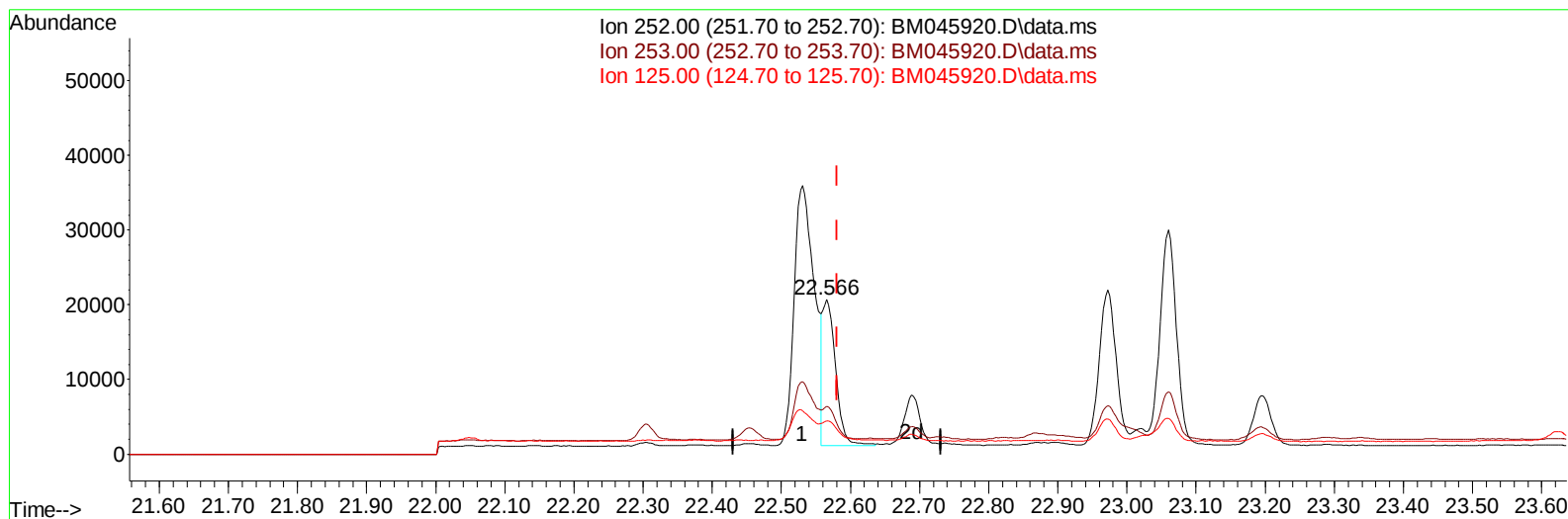
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045920.D
Acq On : 08 Jun 2024 17:28
Operator : MA/JU
Sample : P2640-22
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C35

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:18 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: BM045920.D\data.ms

(25) Benzo(k)fluoranthene

22.566min (-0.015) 0.44 ng/u1 m

response 25863

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	30.76
125.00	17.70	21.53#
0.00	0.00	0.00

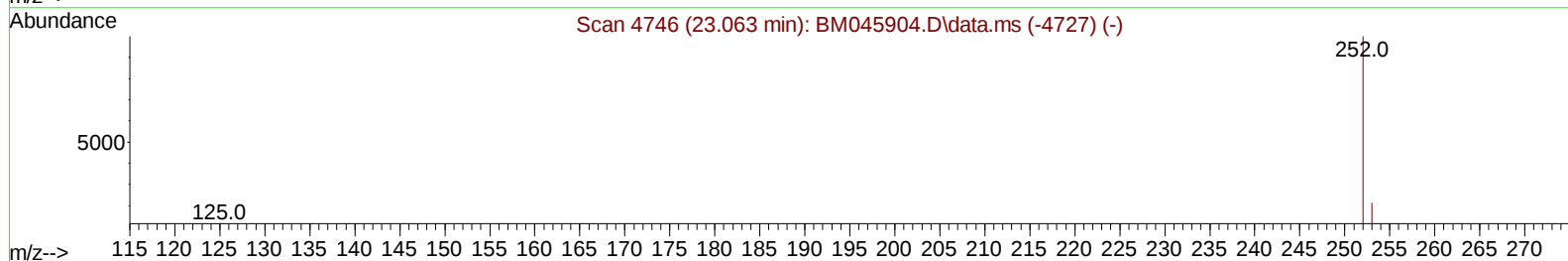
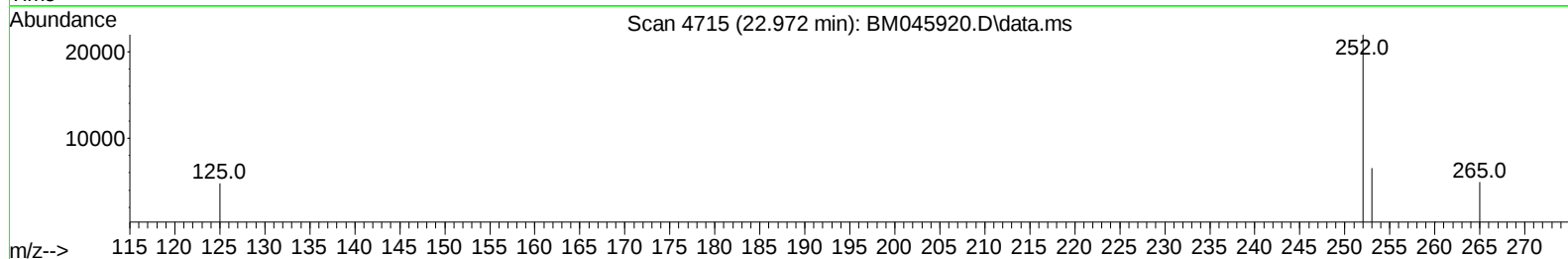
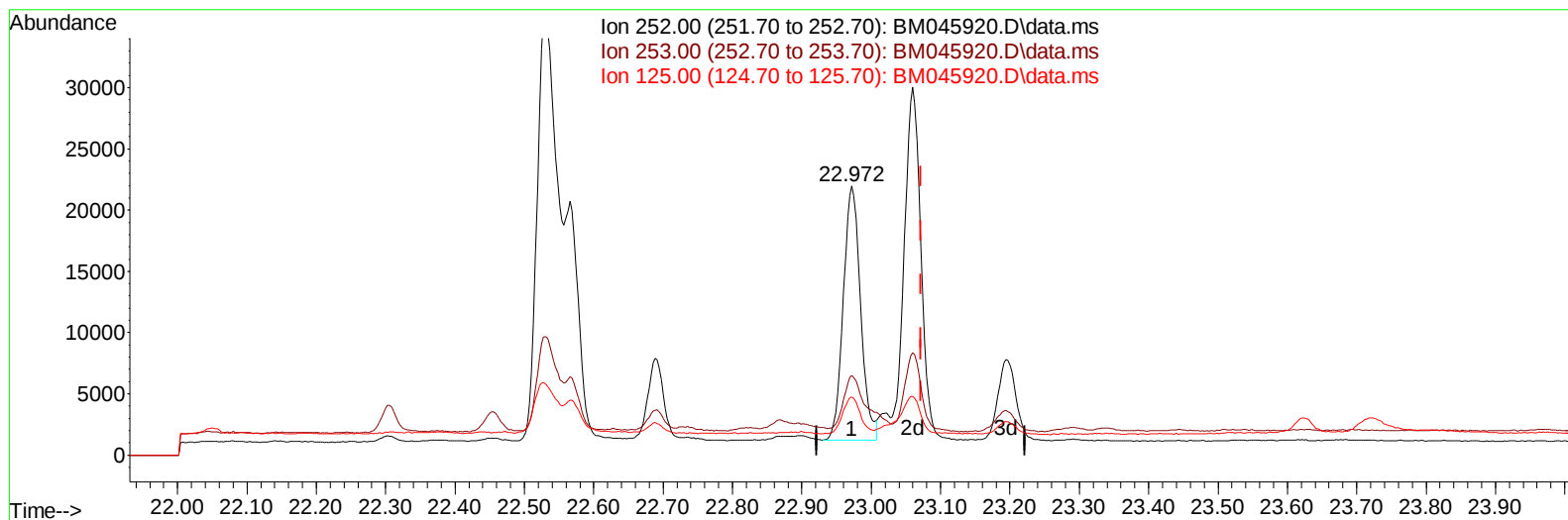
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
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Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
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TIC: BM045920.D\data.ms

(26) Benzo(a)pyrene (C)

22.972min (-0.100) 0.67 ng/u1

response 35951

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	36.00	29.71
125.00	21.60	21.63
0.00	0.00	0.00

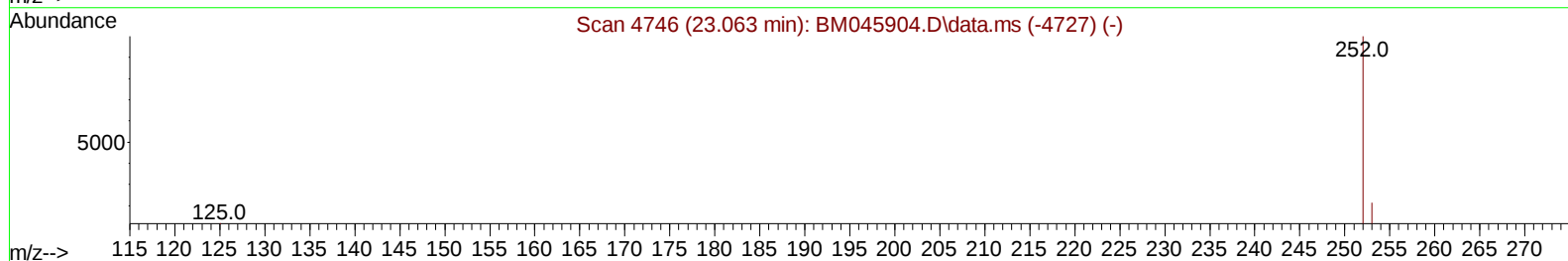
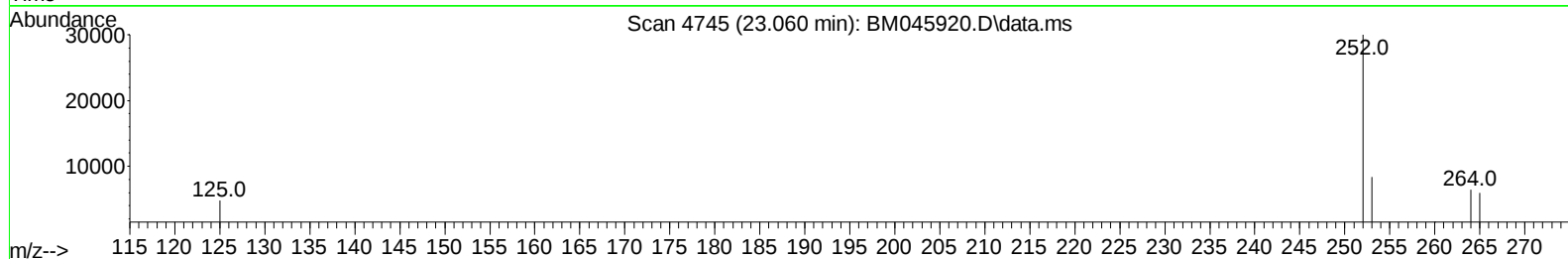
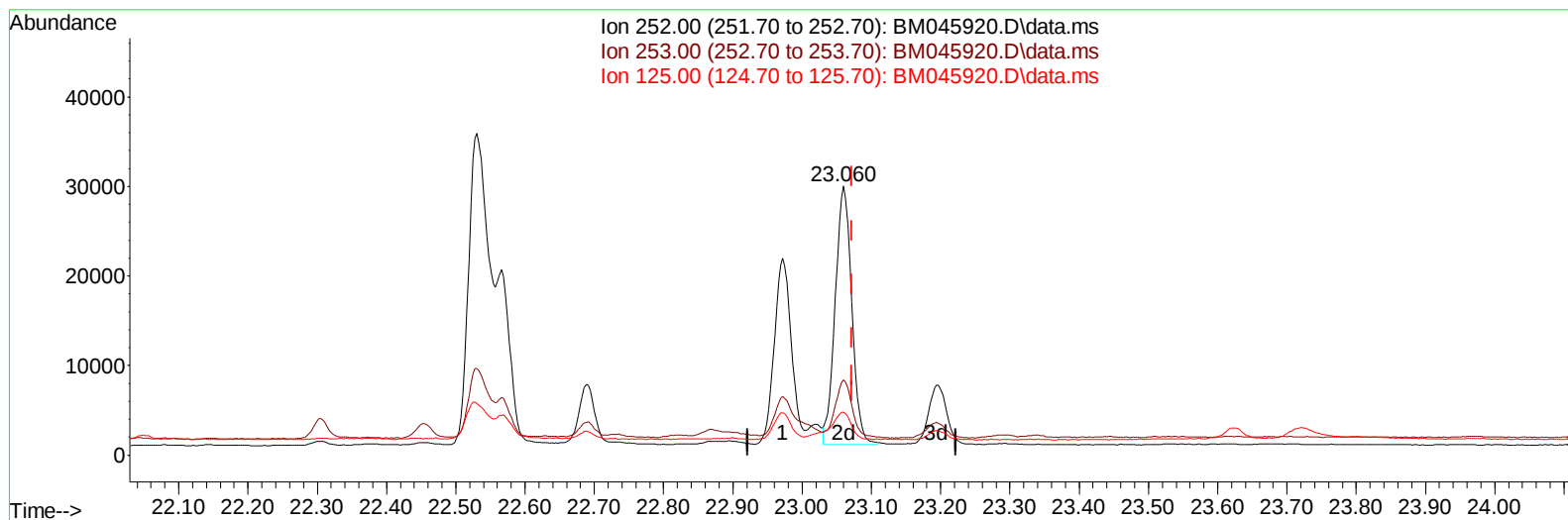
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045920.D
Acq On : 08 Jun 2024 17:28
Operator : MA/JU
Sample : P2640-22
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C35

Manual IntegrationsAPPROVED

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TIC: BM045920.D\data.ms

(26) Benzo(a)pyrene (C)

23.060min (-0.012) 0.90 ng/u1 m

response 48055

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	36.00	27.93#
125.00	21.60	15.88#
0.00	0.00	0.00

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 Operator : MA/JU
 Sample : P2640-22
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 06/13/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.463	152	6716	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.233	136	23651	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.109	164	13054	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.850	188	28750m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.043	240	17739m	0.400	ng/ul	0.00
23) Perylene-d12	23.153	264	16180m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.058	96	26655	3.485	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.838	152	8005	0.235	ng/ul	0.00
18) Fluoranthene-d10	18.881	212	17338	0.326	ng/ul	-0.01
Target Compounds						
					Qvalue	
5) Naphthalene	10.277	128	3362	0.054	ng/ul#	91
7) 2-Methylnaphthalene	11.915	142	1572	0.040	ng/ul	100
8) 1-Methylnaphthalene	12.135	142	1331	0.031	ng/ul	98
10) Acenaphthylene	13.827	152	5481	0.092	ng/ul	96
11) Acenaphthene	14.169	153	5001	0.115	ng/ul	99
12) Fluorene	15.159	166	4994	0.102	ng/ul#	98
15) Phenanthrene	16.888	178	92015m	1.140	ng/ul	
16) Anthracene	16.981	178	19019m	0.276	ng/ul	
19) Fluoranthene	18.914	202	162589	2.299	ng/ul	96
20) Pyrene	19.276	202	136433	1.849	ng/ul	96
21) Benzo(a)anthracene	21.026	228	63816	0.980	ng/ul	97
22) Chrysene	21.081	228	66112	0.933	ng/ul	98
24) Benzo(b)fluoranthene	22.531	252	71571m	1.334	ng/ul	
25) Benzo(k)fluoranthene	22.566	252	25863m	0.439	ng/ul	
26) Benzo(a)pyrene	23.060	252	48055m	0.900	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.215	276	34381	0.498	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.222	278	8326	0.151	ng/ul#	70
29) Benzo(g,h,i)perylene	25.846	276	35695	0.600	ng/ul	99

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

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