

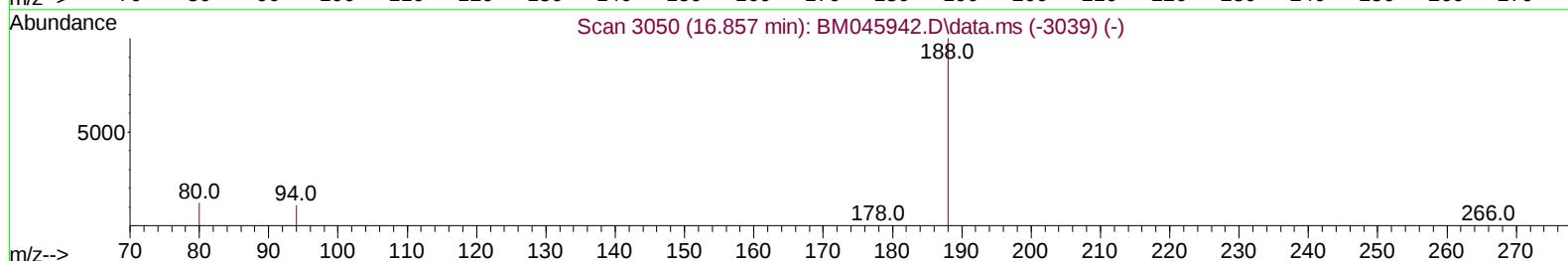
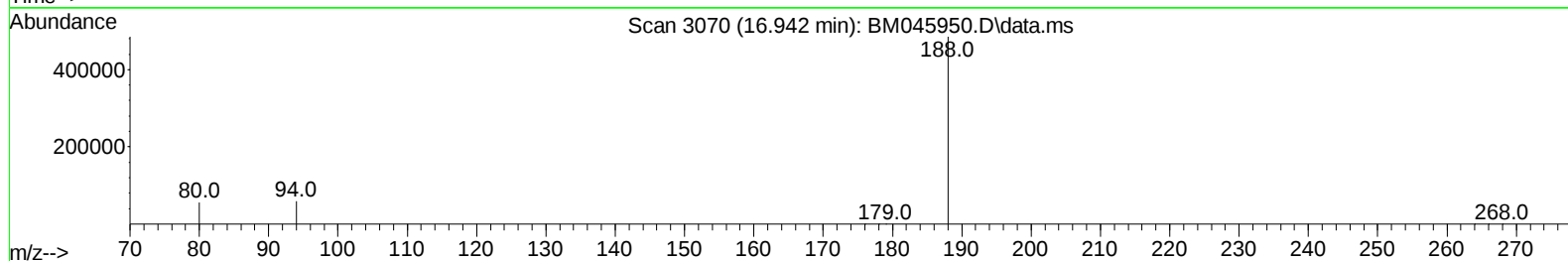
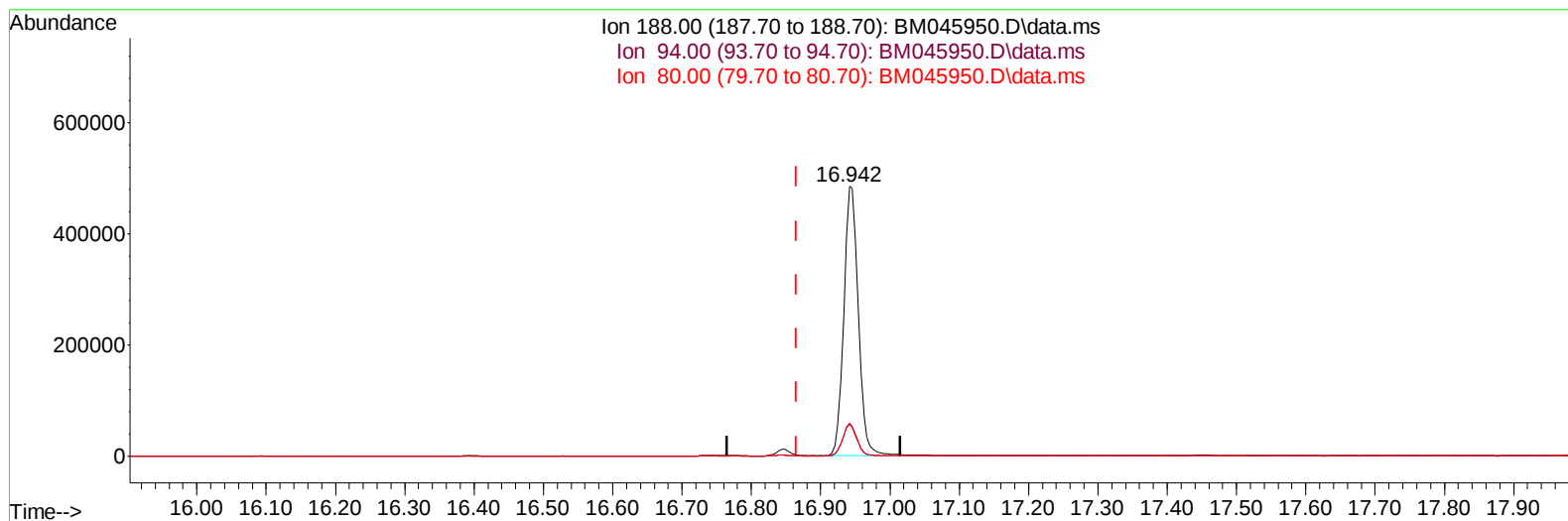
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045950.D
Acq On : 10 Jun 2024 14:43
Operator : MA/JU
Sample : P2642-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B36

Manual IntegrationsAPPROVED

Quant Time: Jun 10 15:24:07 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 :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045950.D\data.ms

(13) Phenanthrene-d10 (I)

16.942min (+ 0.076) 0.40 ng/u1

response 701642

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	12.20
80.00	11.70	11.66
0.00	0.00	0.00

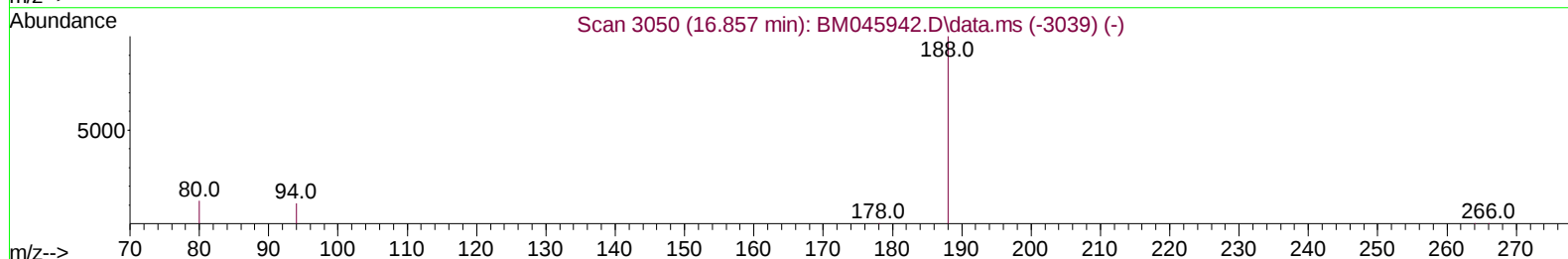
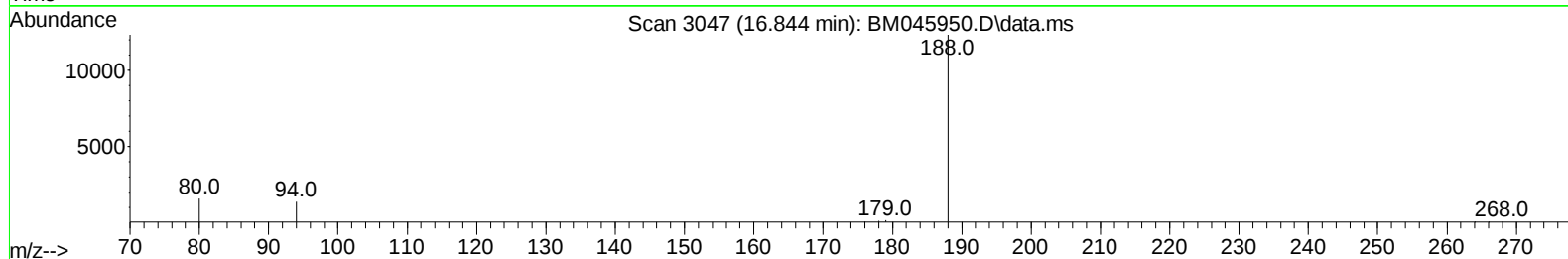
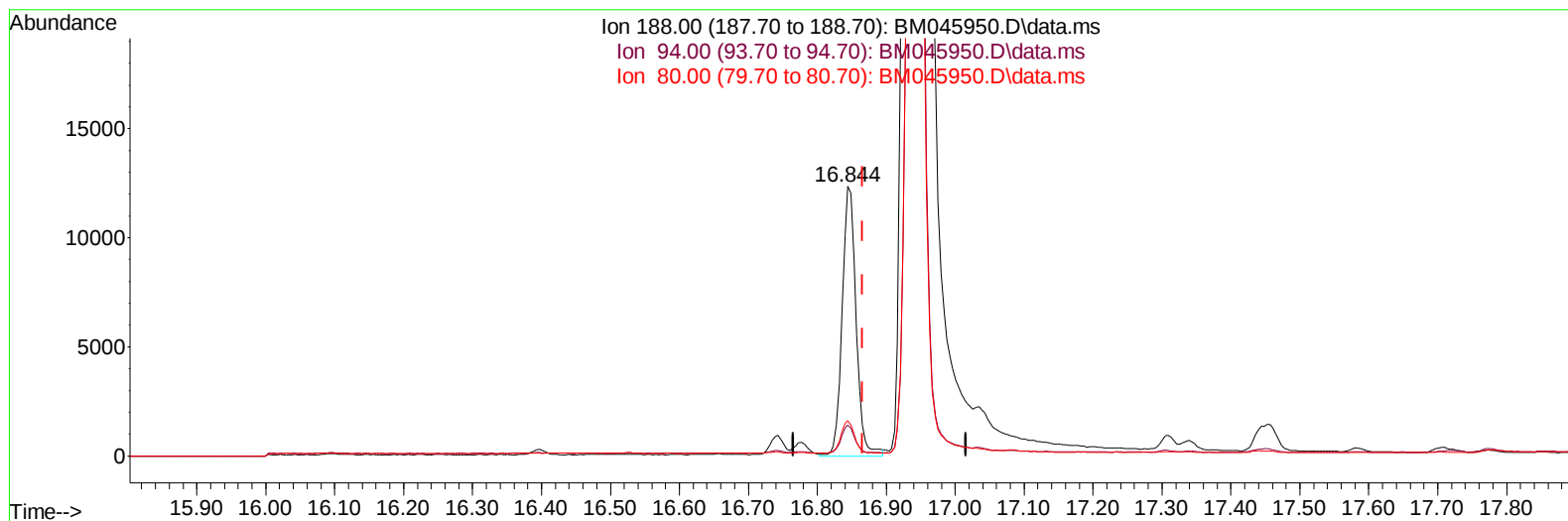
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045950.D
Acq On : 10 Jun 2024 14:43
Operator : MA/JU
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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B36

Manual IntegrationsAPPROVED

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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: BM045950.D\data.ms

(13) Phenanthrene-d10 (I)

16.844min (-0.021) 0.40 ng/ul m

response 17308

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	11.39
80.00	11.70	13.04
0.00	0.00	0.00

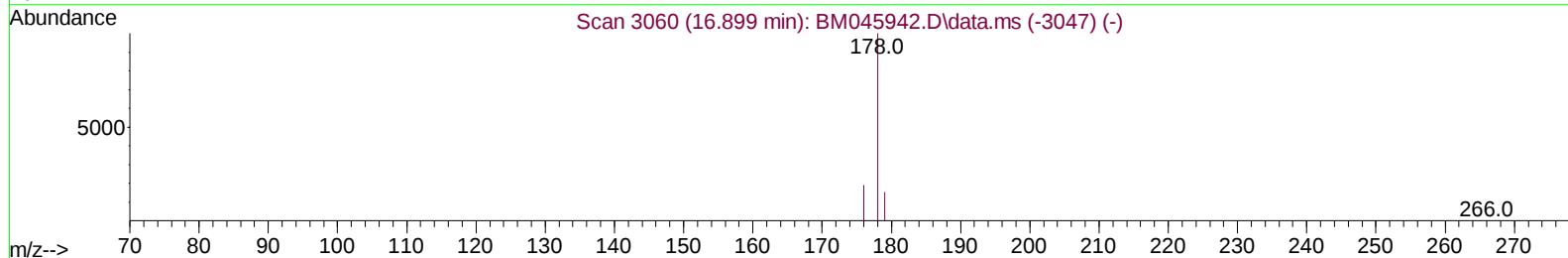
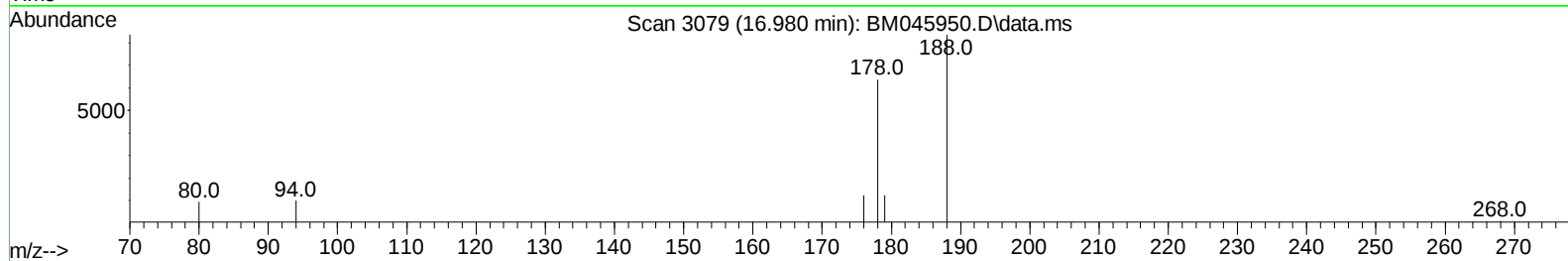
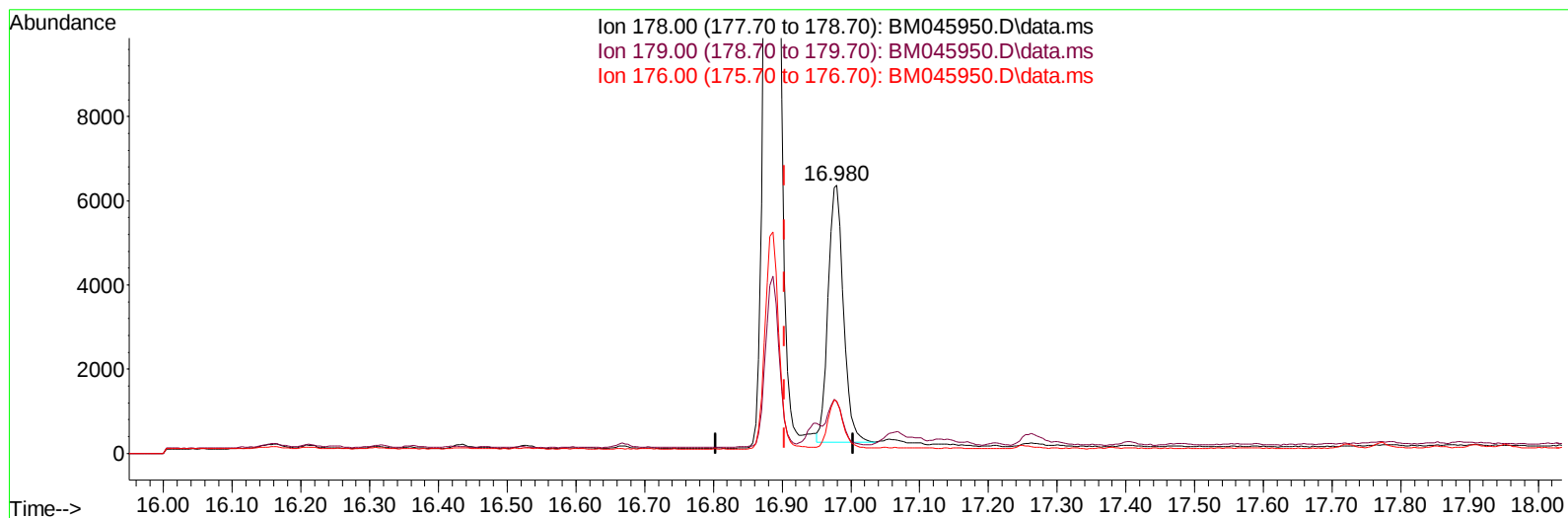
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Data File : BM045950.D
Acq On : 10 Jun 2024 14:43
Operator : MA/JU
Sample : P2642-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B36

Manual IntegrationsAPPROVED

Quant Time: Jun 10 15:24:07 2024
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QLast Update : Fri Jun 07 22:59:16 2024
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TIC: BM045950.D\data.ms

(15) Phenanthrene

16.980min (+ 0.076) 0.19 ng/u1

response 9422

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	19.23#
176.00	19.50	19.46
0.00	0.00	0.00

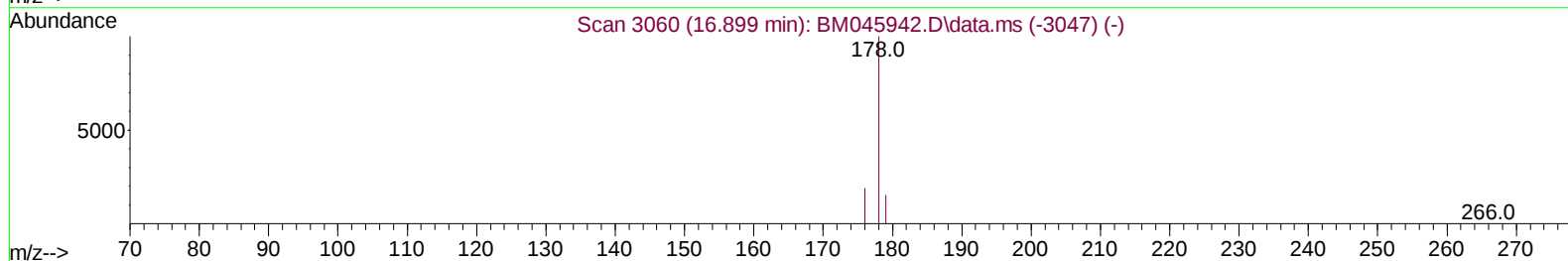
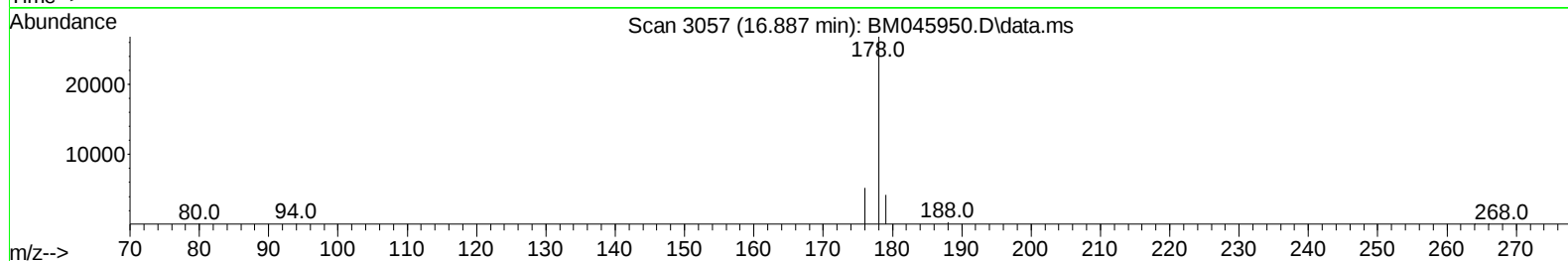
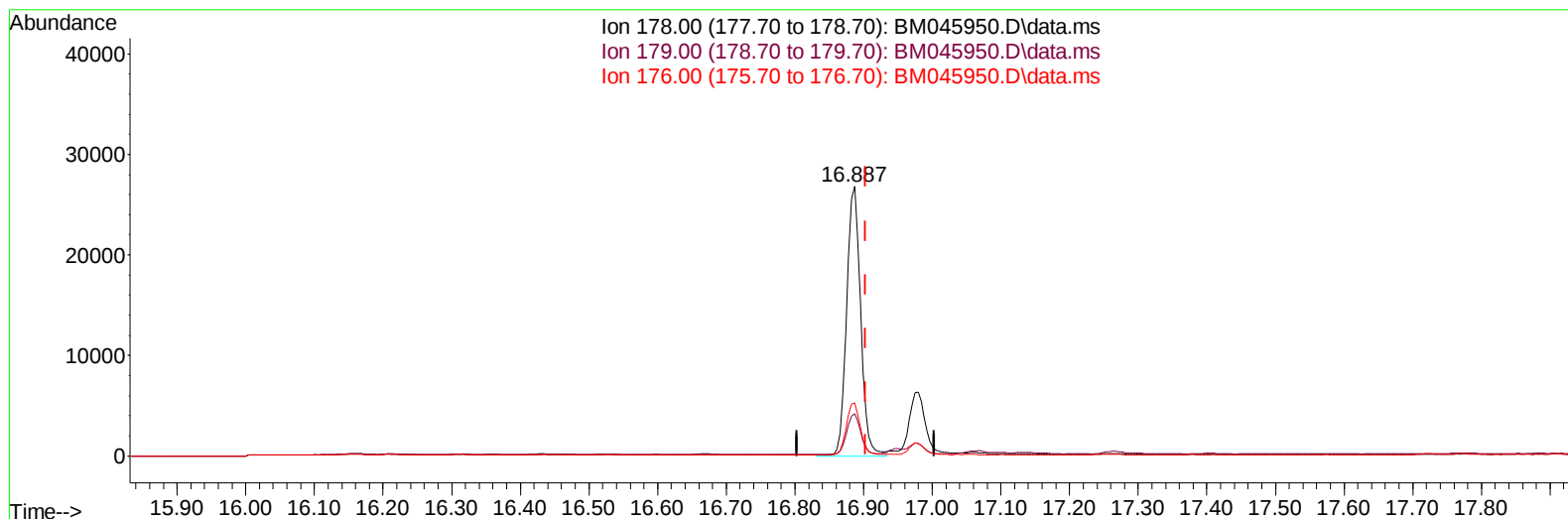
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
 Data File : BM045950.D
 Acq On : 10 Jun 2024 14:43
 Operator : MA/JU
 Sample : P2642-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4B36

Manual IntegrationsAPPROVED

Quant Time: Jun 10 15:24:07 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 :Jagrut Upadhyay 06/11/2024
 Supervised By :mohammad ahmed 06/13/2024



TIC: BM045950.D\data.ms

(15) Phenanthrene

16.887min (-0.017) 0.78 ng/ul m

response 37963

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	15.70
176.00	19.50	19.60
0.00	0.00	0.00

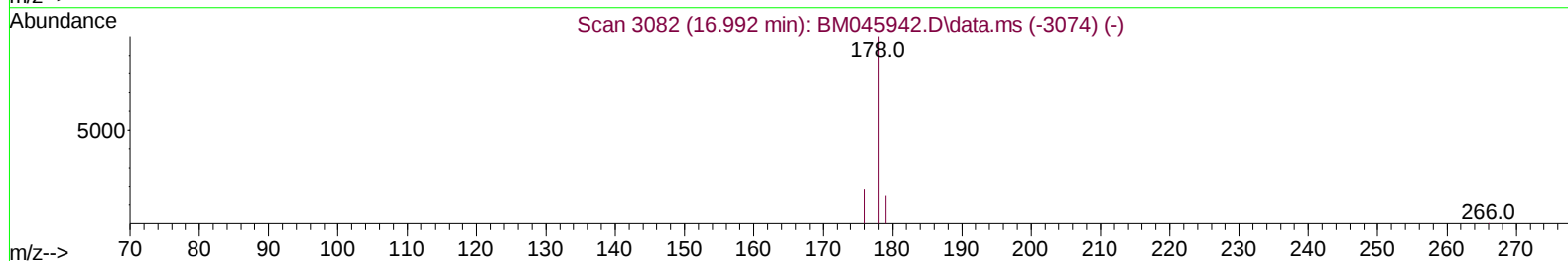
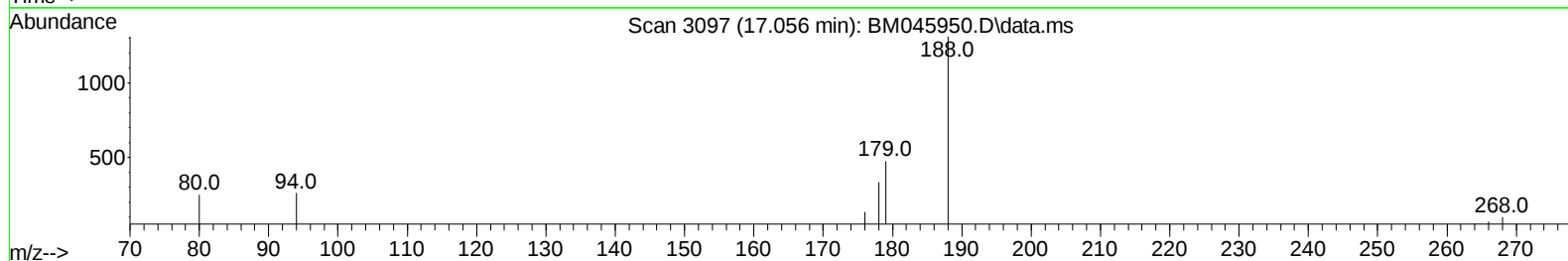
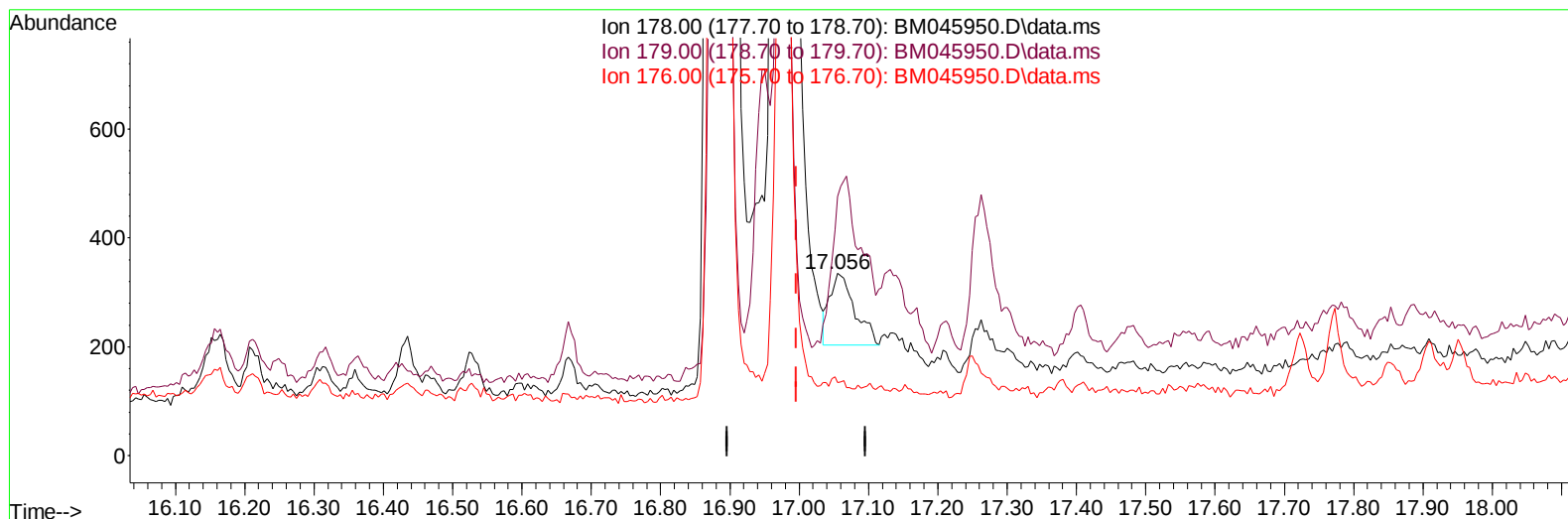
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045950.D
Acq On : 10 Jun 2024 14:43
Operator : MA/JU
Sample : P2642-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B36

Manual IntegrationsAPPROVED

Quant Time: Jun 10 15:24:07 2024
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TIC: BM045950.D\data.ms

(16) Anthracene

17.056min (+ 0.059) 0.01 ng/u1

response 334

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	142.09#
176.00	19.40	40.00#
0.00	0.00	0.00

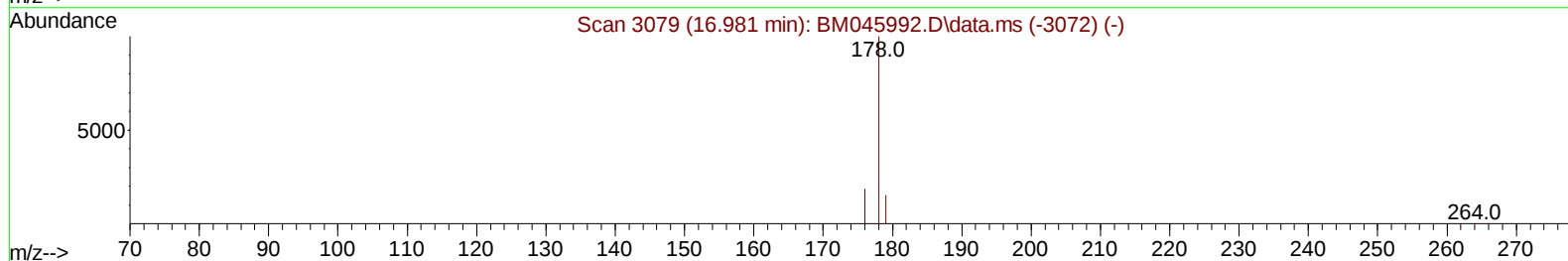
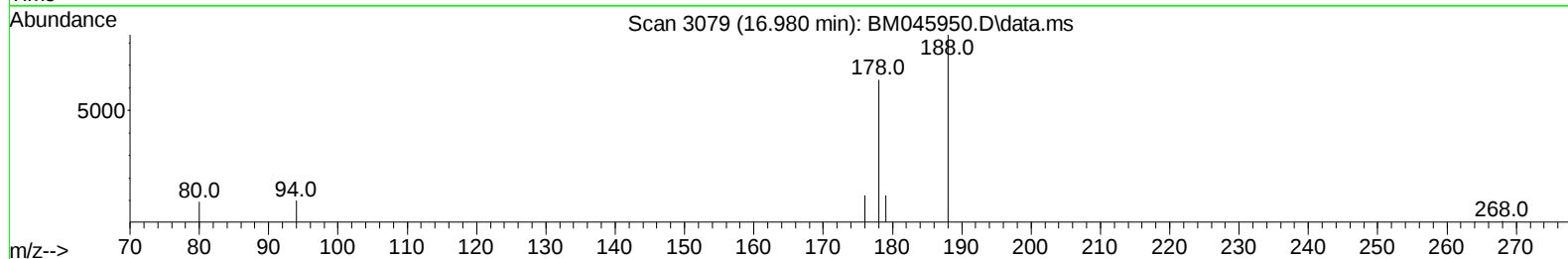
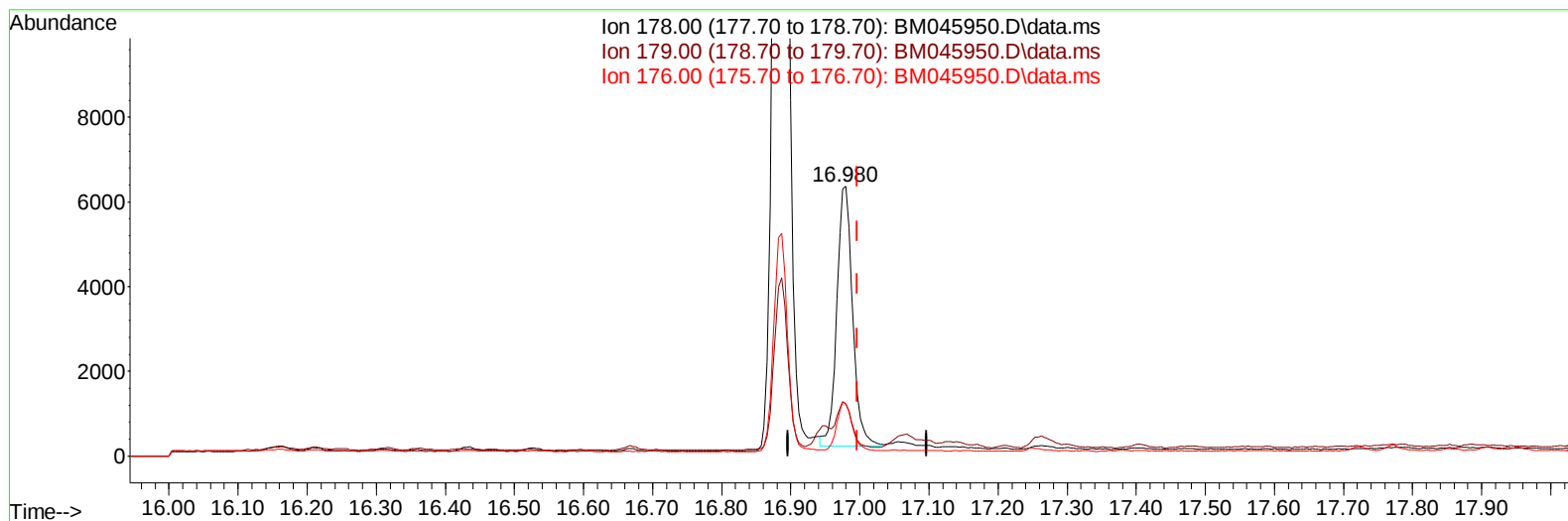
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Data File : BM045950.D
Acq On : 10 Jun 2024 14:43
Operator : MA/JU
Sample : P2642-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B36

Manual IntegrationsAPPROVED

Quant Time: Jun 10 15:24:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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TIC: BM045950.D\data.ms

(16) Anthracene

16.980min (-0.017) 0.23 ng/ul m

response 9681

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	19.23
176.00	19.40	19.46
0.00	0.00	0.00

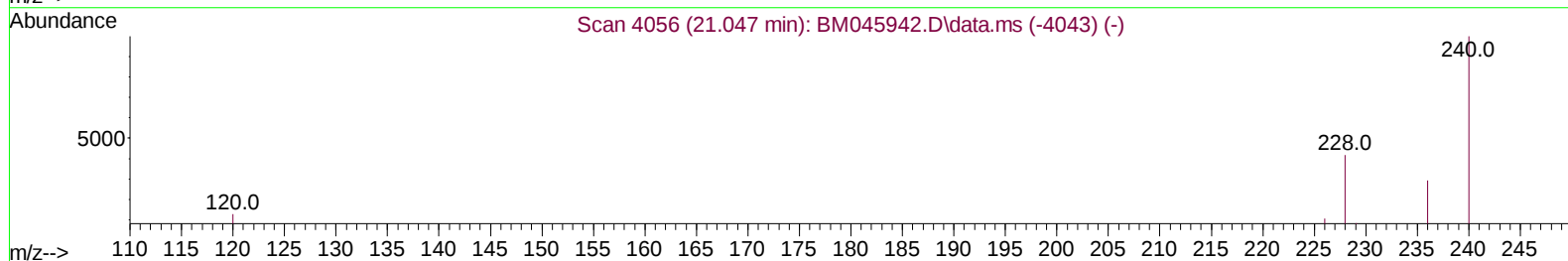
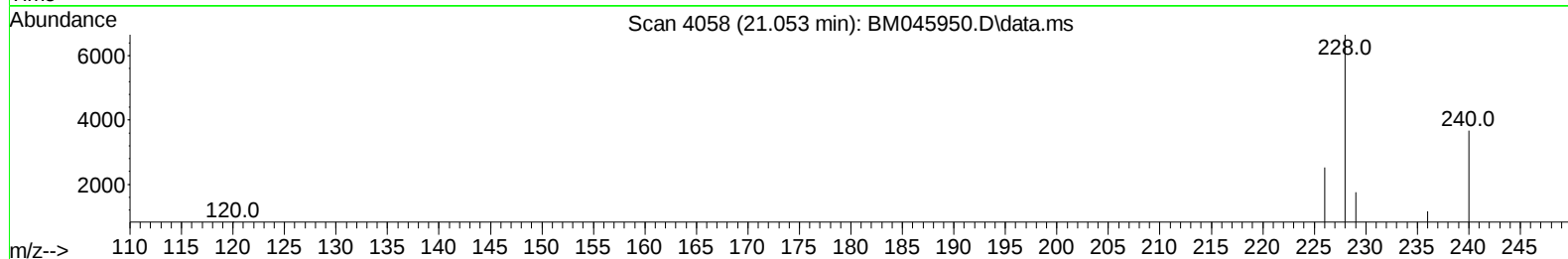
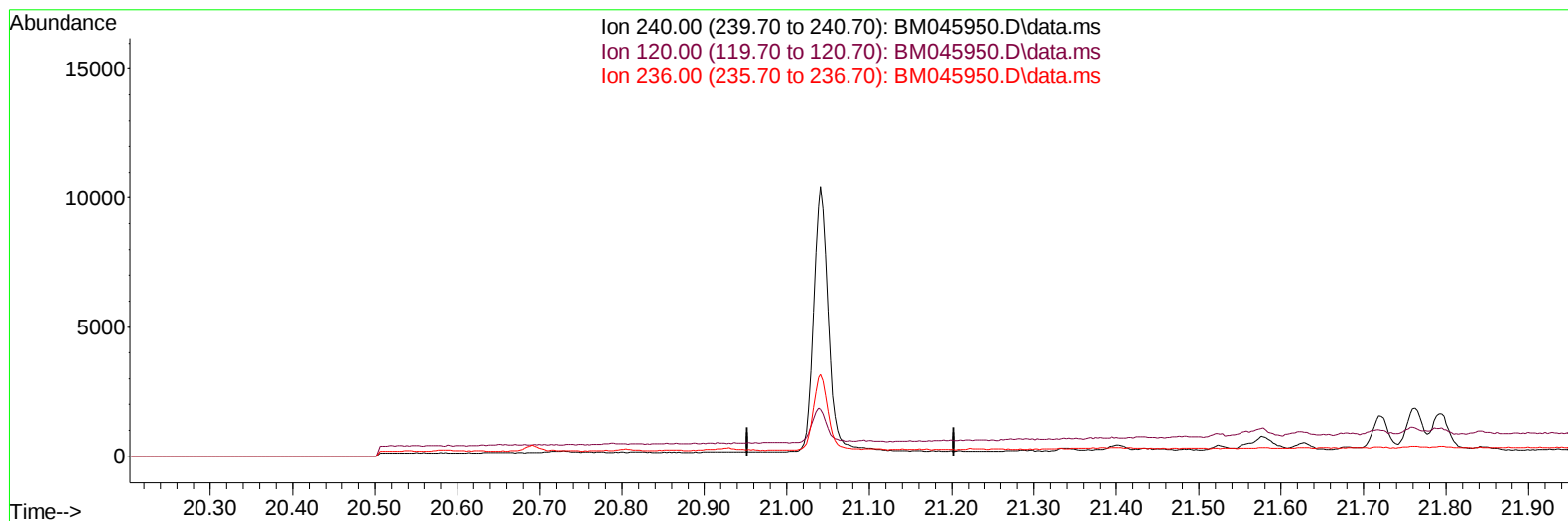
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Data File : BM045950.D
Acq On : 10 Jun 2024 14:43
Operator : MA/JU
Sample : P2642-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B36

Manual IntegrationsAPPROVED

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TIC: BM045950.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

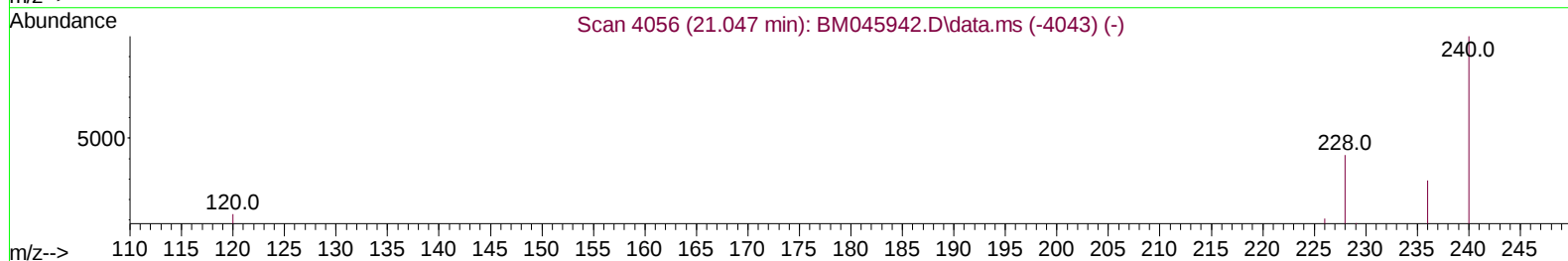
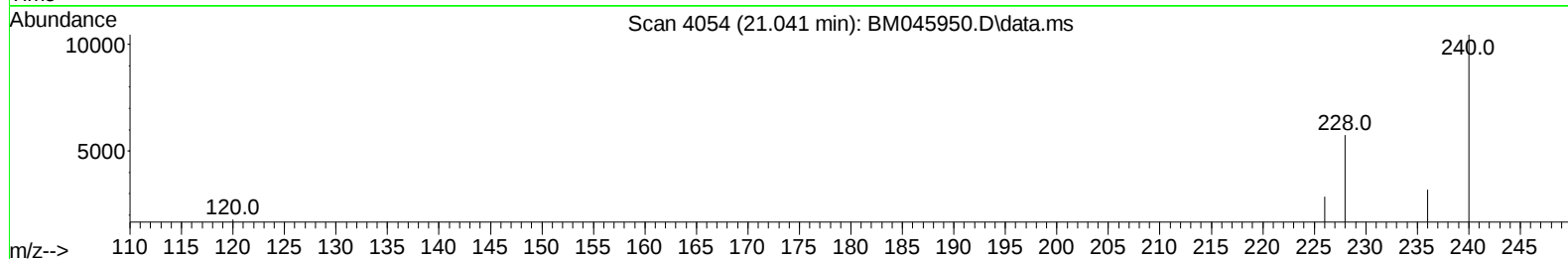
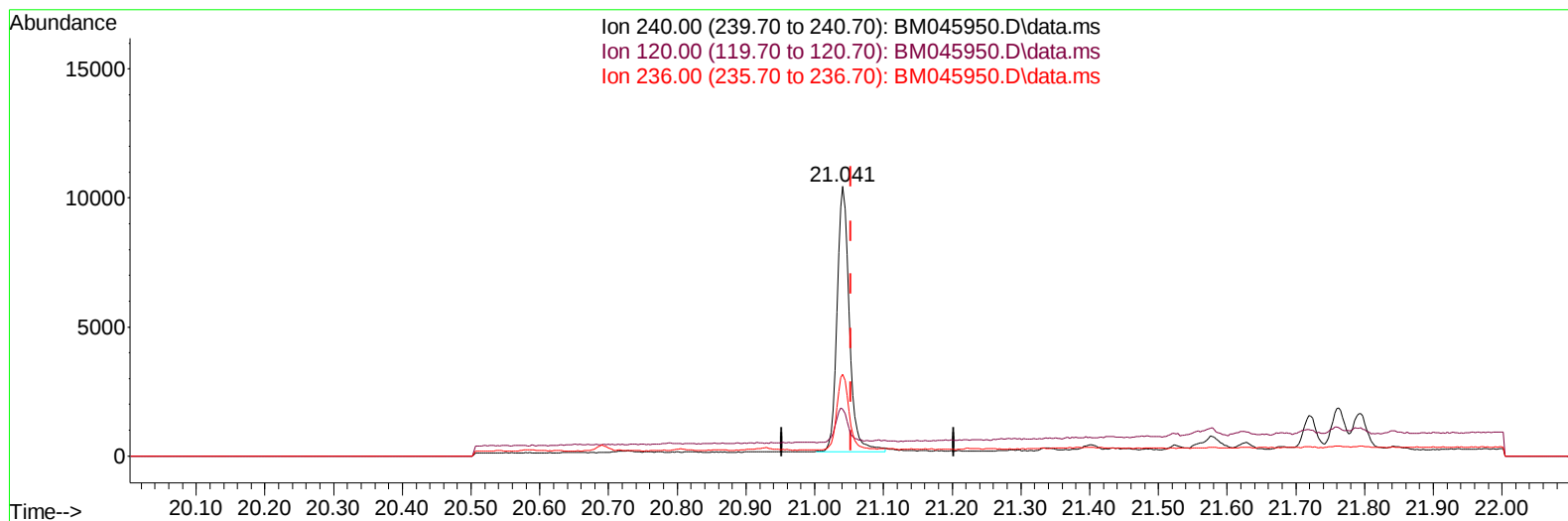
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Data File : BM045950.D
Acq On : 10 Jun 2024 14:43
Operator : MA/JU
Sample : P2642-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B36

Manual IntegrationsAPPROVED

Quant Time: Jun 10 15:24:07 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

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Supervised By :mohammad ahmed 06/13/2024



TIC: BM045950.D\data.ms

(17) Chrysene-d12

21.041min (-0.012) 0.40 ng/ul m

response 12849

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.10	17.27
236.00	29.50	30.40
0.00	0.00	0.00

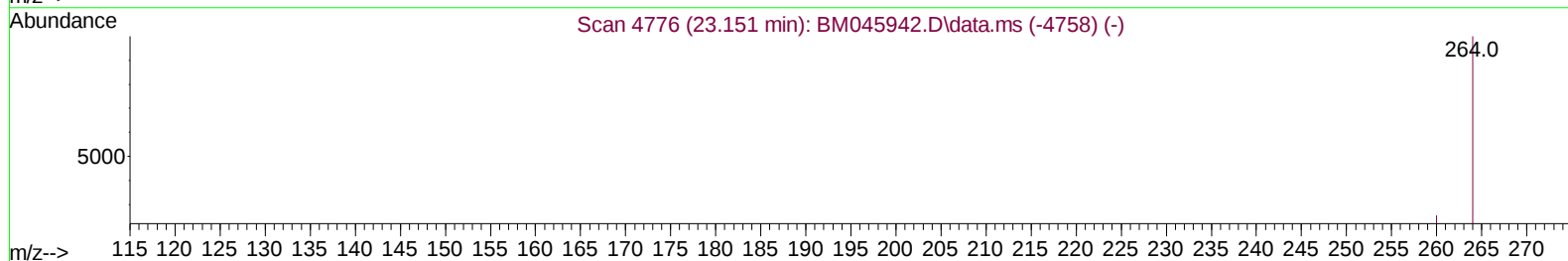
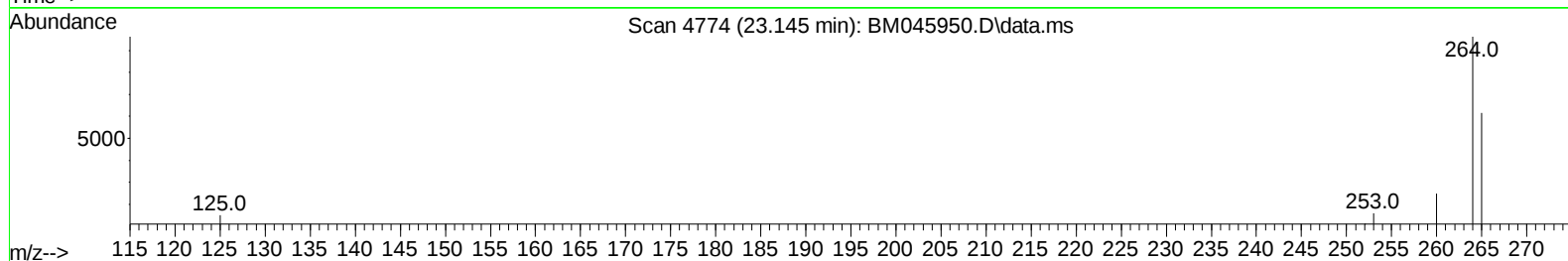
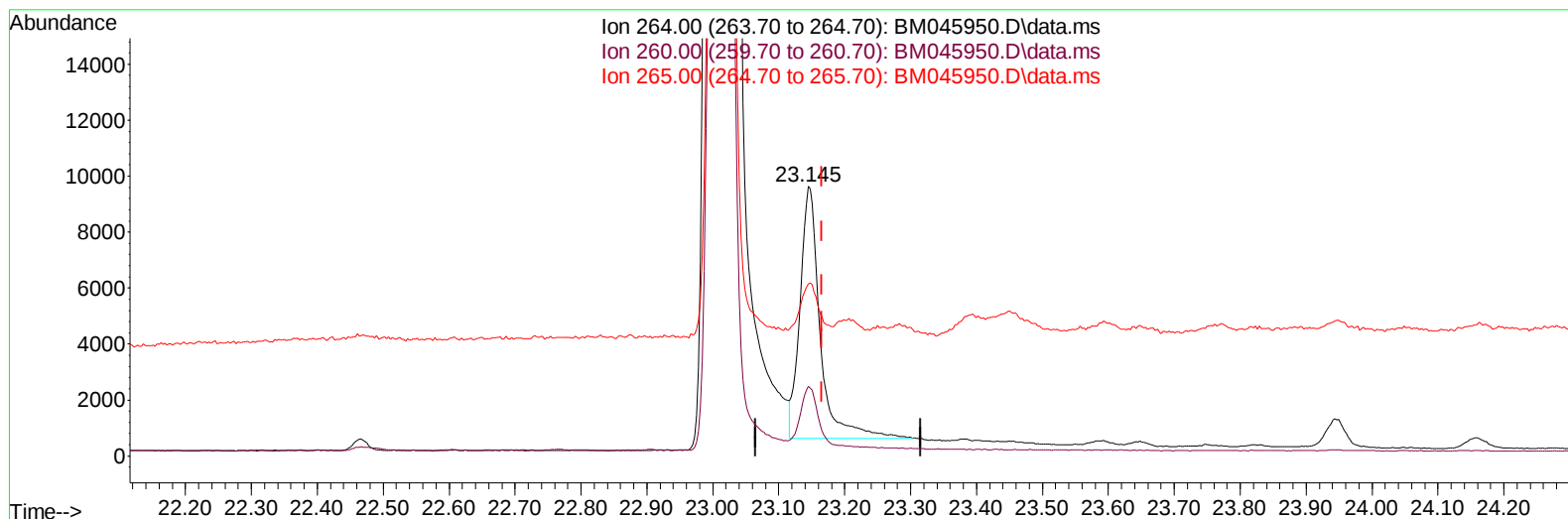
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Acq On : 10 Jun 2024 14:43
Operator : MA/JU
Sample : P2642-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B36

Manual IntegrationsAPPROVED

Quant Time: Jun 10 15:24:07 2024
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TIC: BM045950.D\data.ms

(23) Perylene-d12 (I)

23.145min (-0.020) 0.40 ng/u1

response 19248

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	25.88
265.00	76.60	63.88
0.00	0.00	0.00

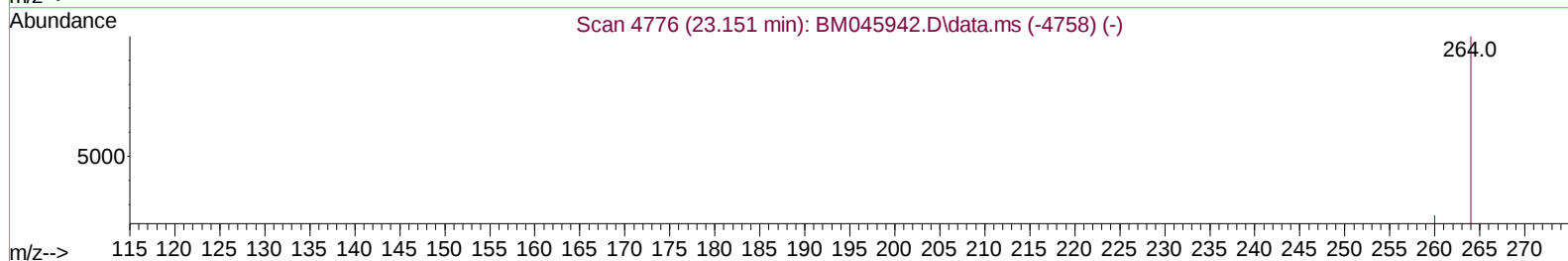
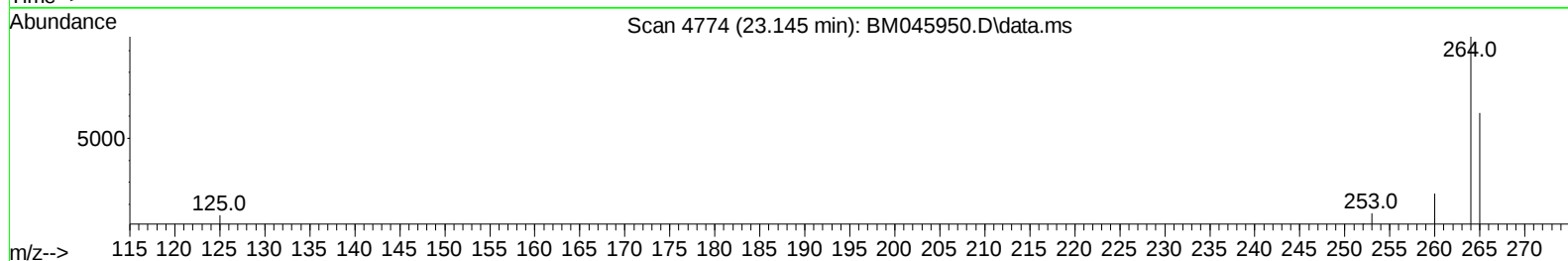
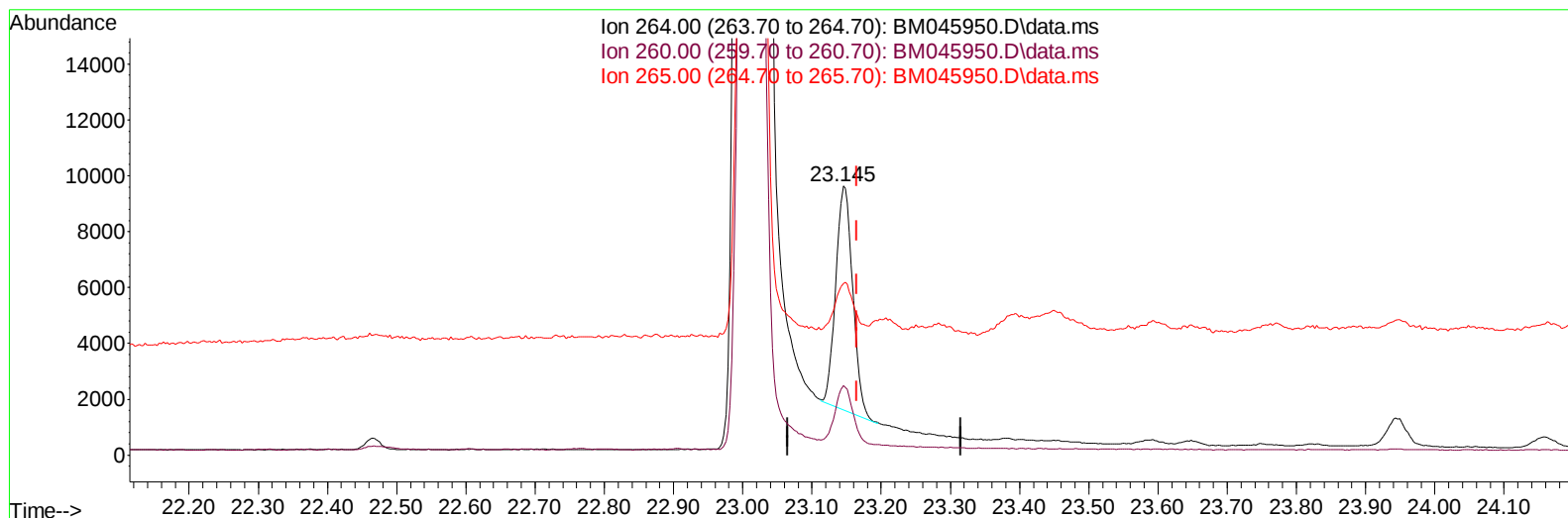
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Data File : BM045950.D
Acq On : 10 Jun 2024 14:43
Operator : MA/JU
Sample : P2642-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B36

Manual IntegrationsAPPROVED

Quant Time: Jun 10 15:24:07 2024
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TIC: BM045950.D\data.ms

(23) Perylene-d12 (I)

23.145min (-0.020) 0.40 ng/ul m

response 13610

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	25.88
265.00	76.60	63.88
0.00	0.00	0.00

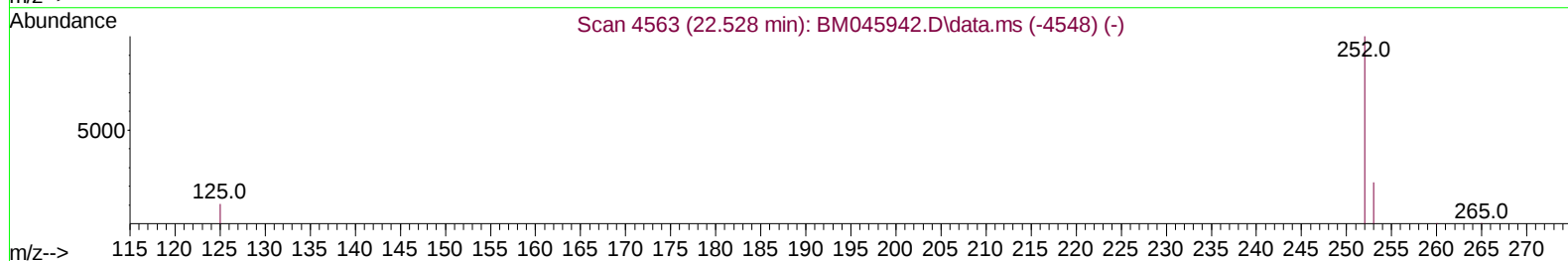
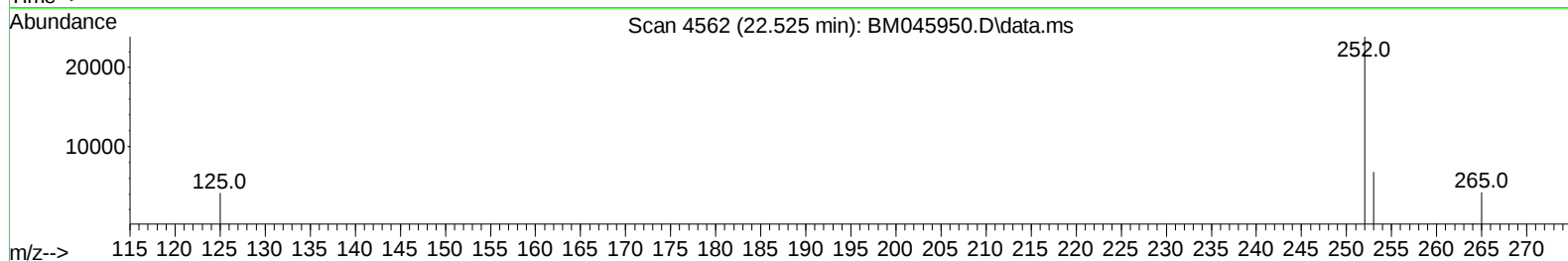
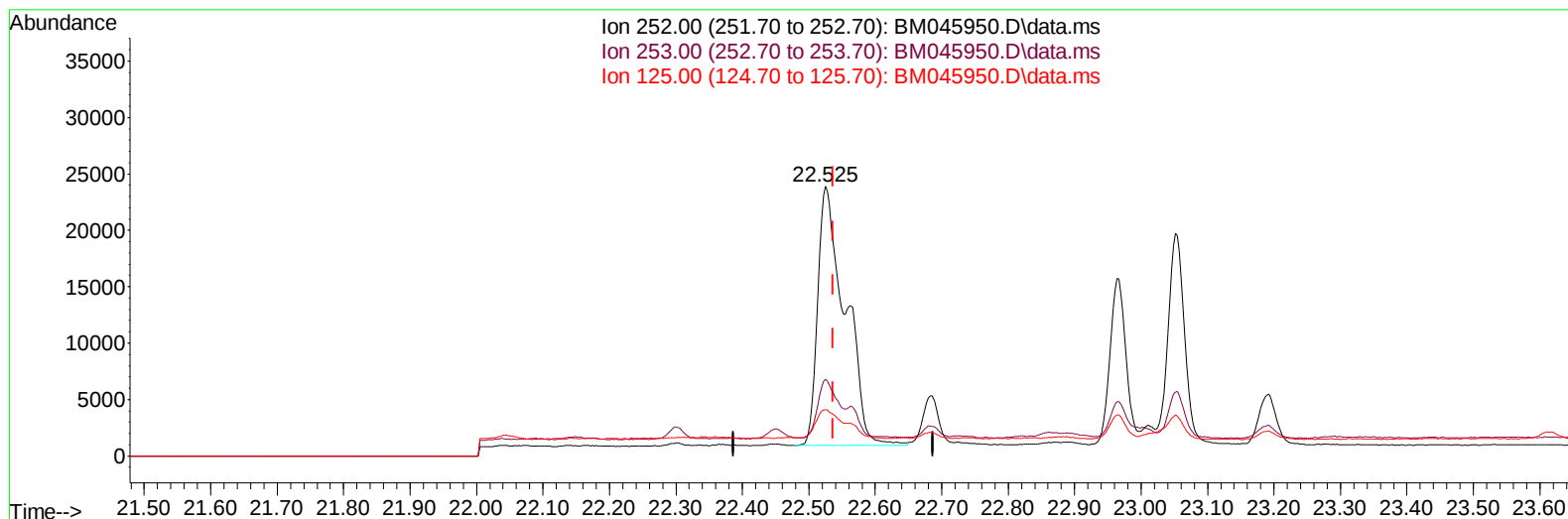
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Data File : BM045950.D
Acq On : 10 Jun 2024 14:43
Operator : MA/JU
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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B36

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TIC: BM045950.D\data.ms

(24) Benzo(b)fluoranthene

22.525min (-0.012) 1.46 ng/u1

response 66123

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	28.38
125.00	17.90	17.16
0.00	0.00	0.00

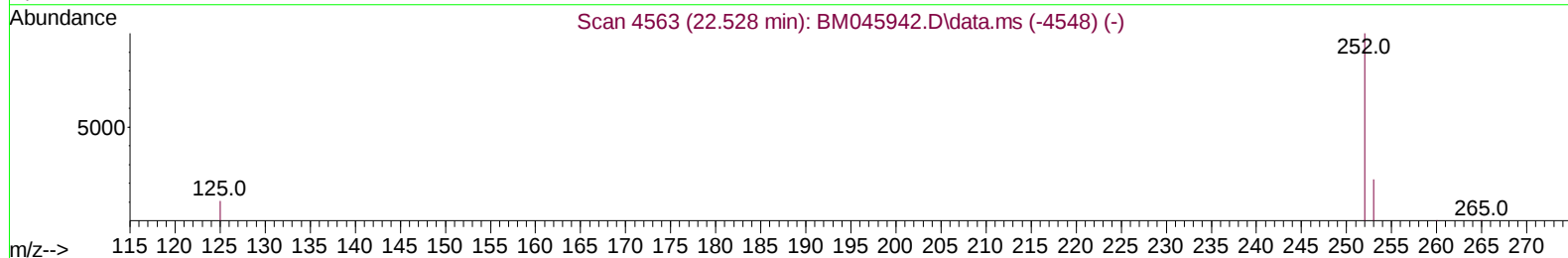
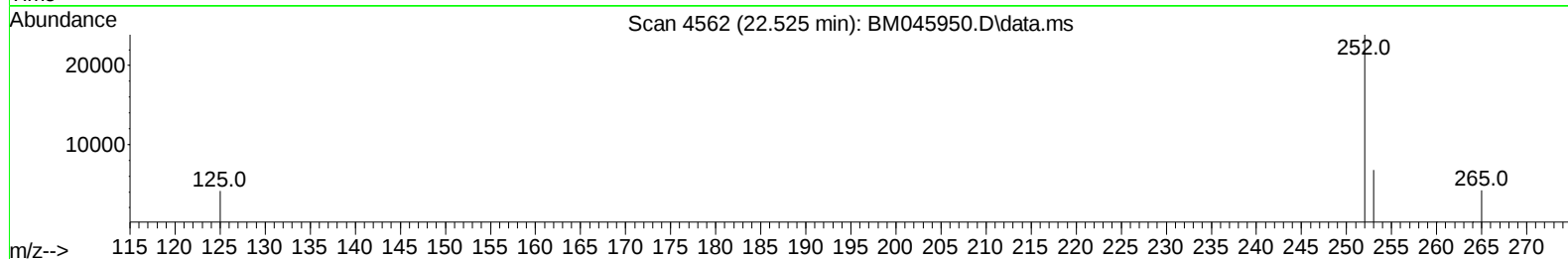
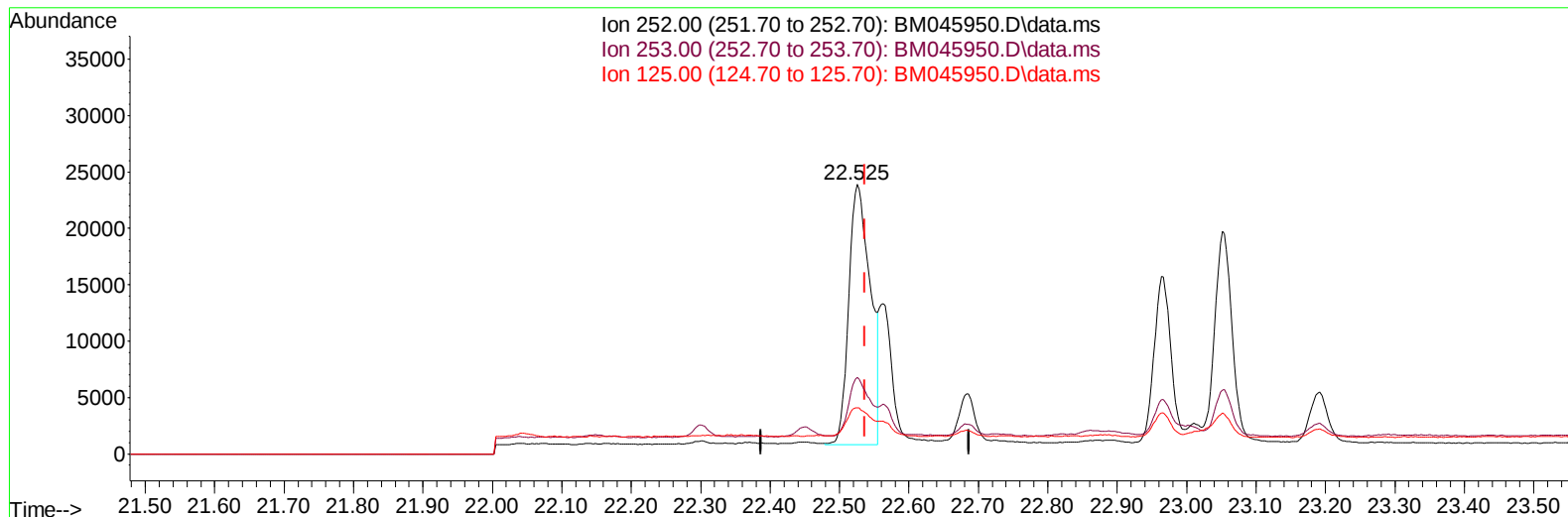
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045950.D
Acq On : 10 Jun 2024 14:43
Operator : MA/JU
Sample : P2642-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 06/13/2024



TIC: BM045950.D\data.ms

(24) Benzo(b)fluoranthene

22.525min (-0.012) 1.10 ng/u1 m

response 49639

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	28.38
125.00	17.90	17.16
0.00	0.00	0.00

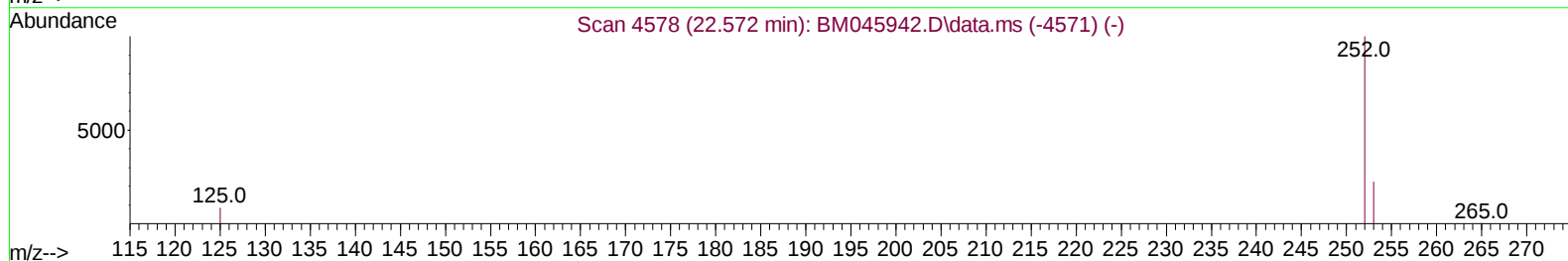
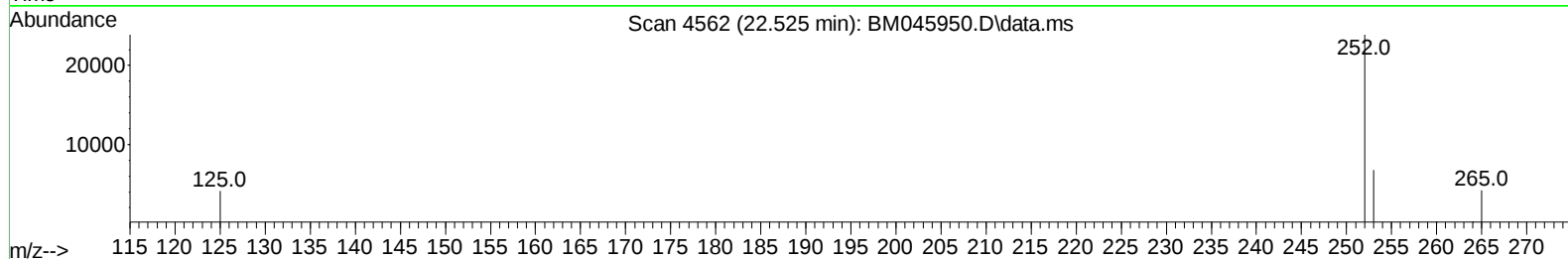
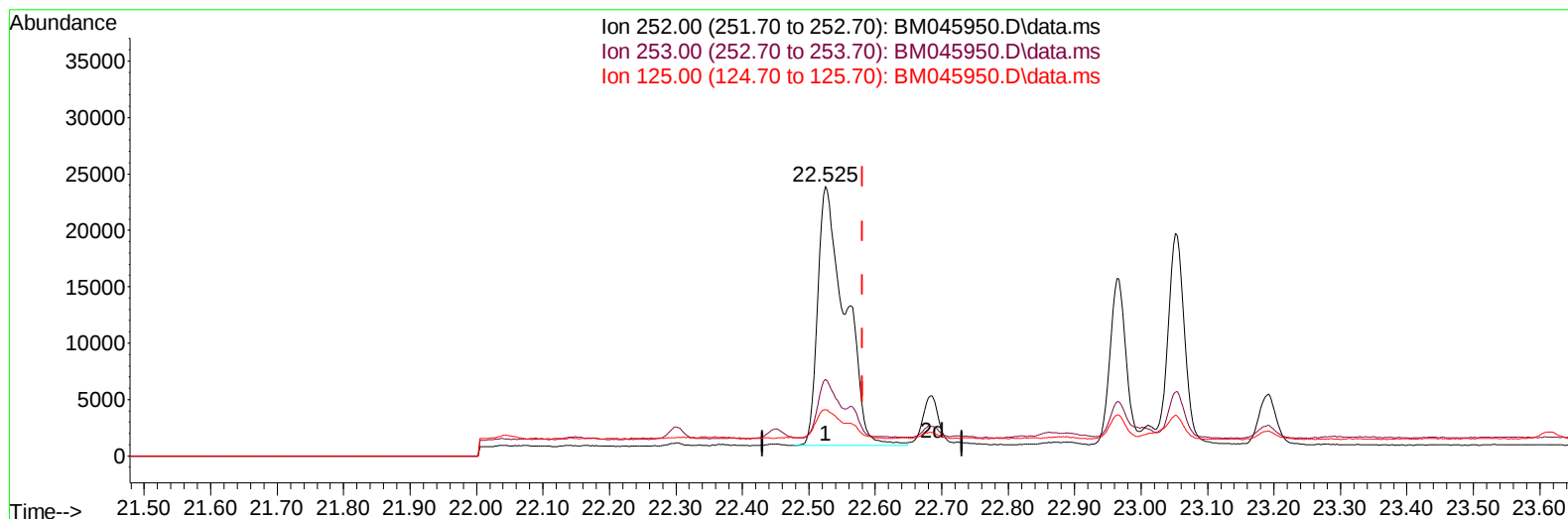
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045950.D
Acq On : 10 Jun 2024 14:43
Operator : MA/JU
Sample : P2642-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B36

Manual IntegrationsAPPROVED

Quant Time: Jun 10 15:24:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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TIC: BM045950.D\data.ms

(25) Benzo(k)fluoranthene

22.525min (-0.056) 1.33 ng/u1

response 66123

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	28.38
125.00	17.70	17.16
0.00	0.00	0.00

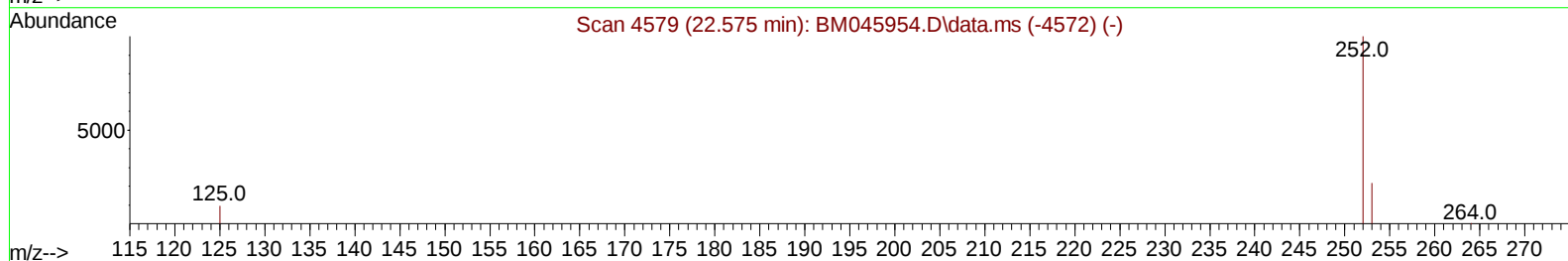
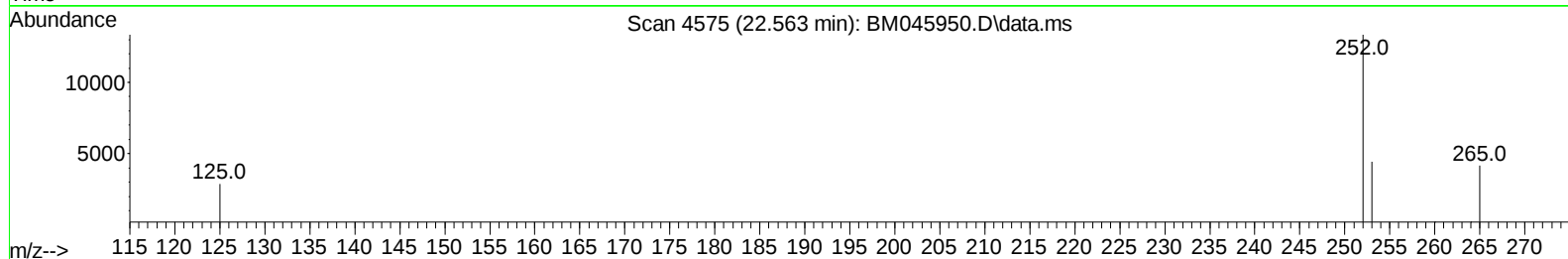
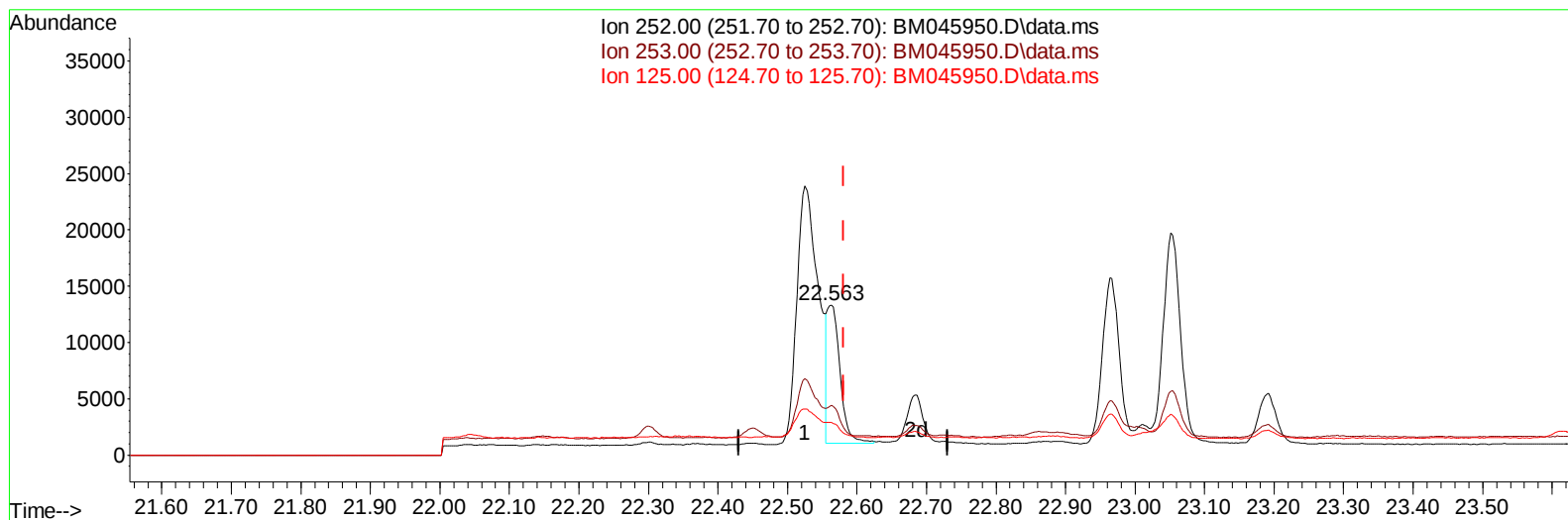
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045950.D
Acq On : 10 Jun 2024 14:43
Operator : MA/JU
Sample : P2642-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B36

Manual IntegrationsAPPROVED

Quant Time: Jun 10 15:24:07 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 :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045950.D\data.ms

(25) Benzo(k)fluoranthene

22.563min (-0.018) 0.32 ng/u1 m

response 15860

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	33.09
125.00	17.70	21.67#
0.00	0.00	0.00

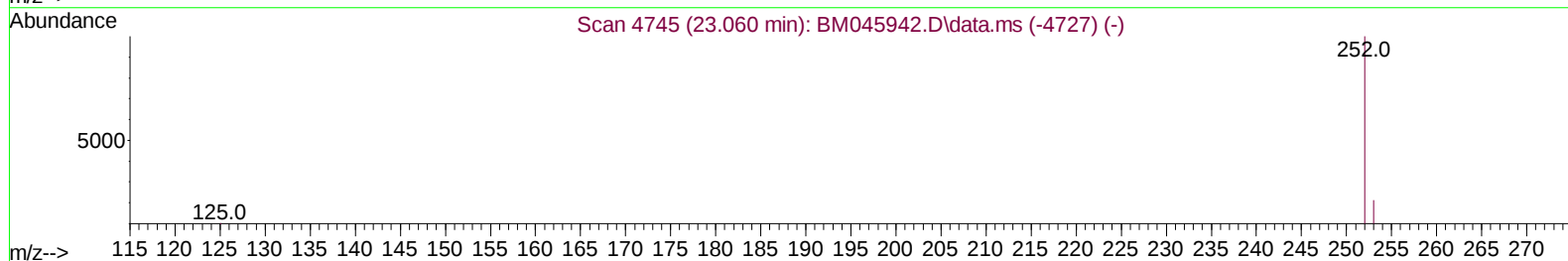
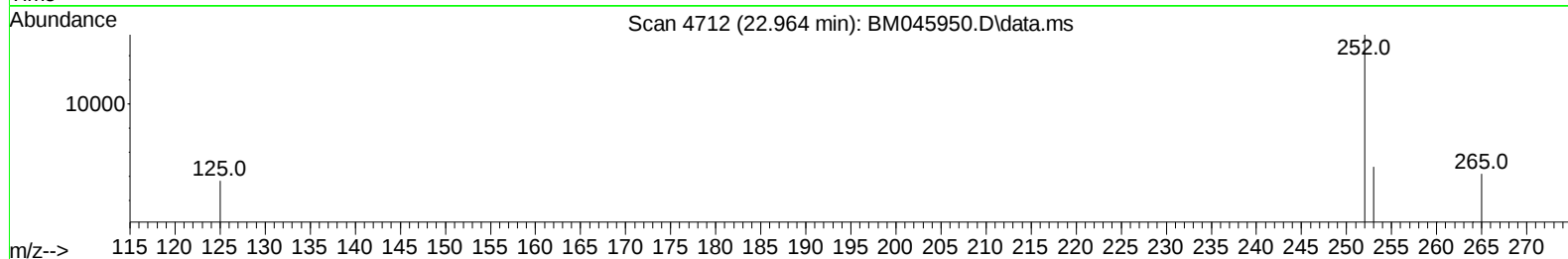
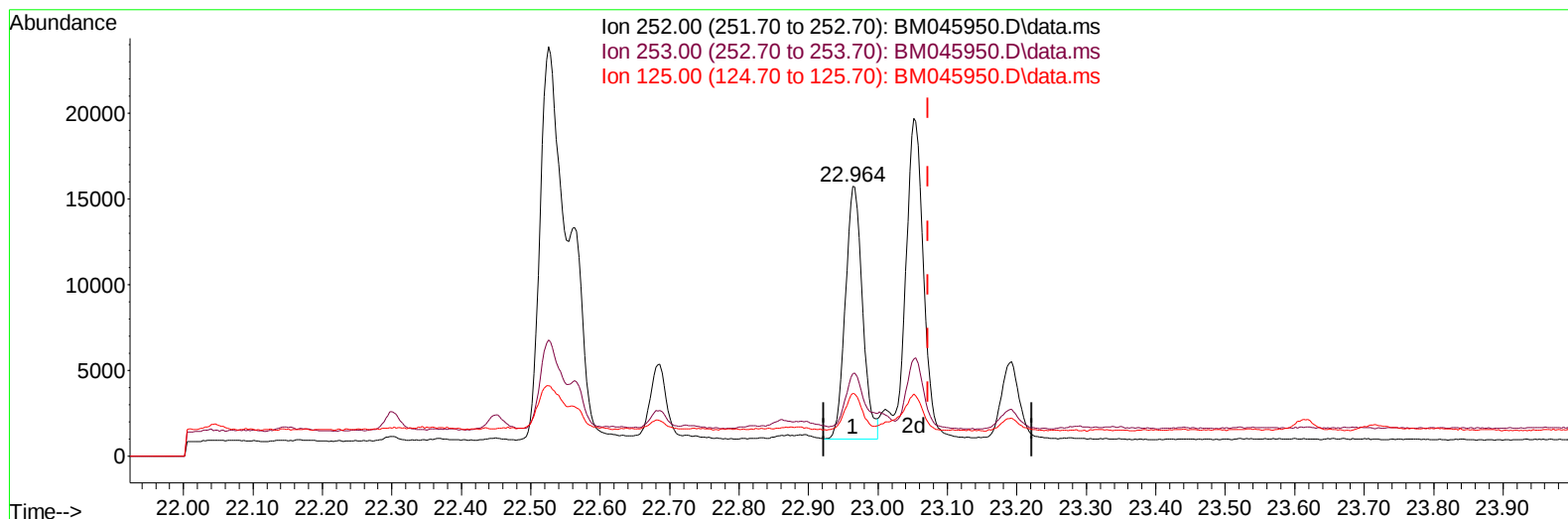
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
 Data File : BM045950.D
 Acq On : 10 Jun 2024 14:43
 Operator : MA/JU
 Sample : P2642-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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TIC: BM045950.D\data.ms

(26) Benzo(a)pyrene (C)

22.964min (-0.108) 0.56 ng/u1

response 25245

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	36.00	30.48
125.00	21.60	23.16
0.00	0.00	0.00

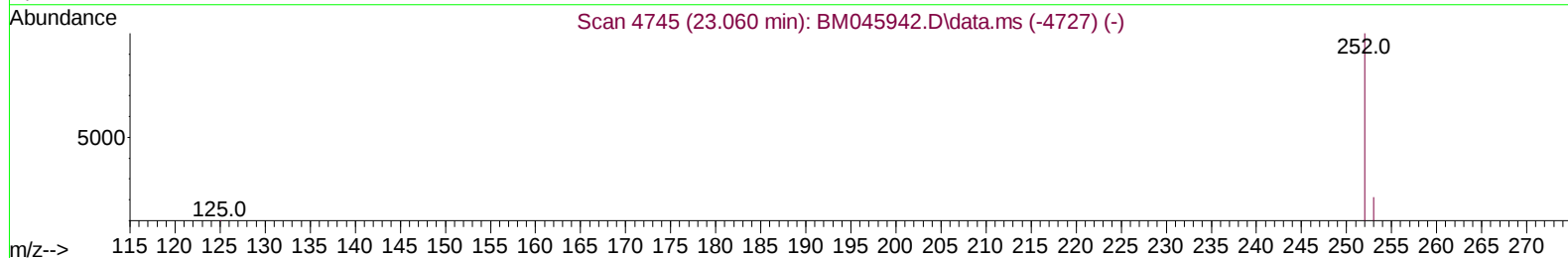
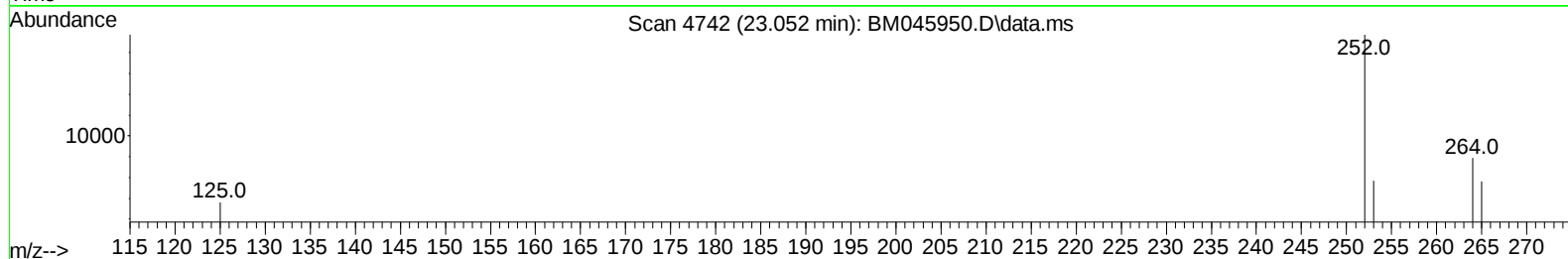
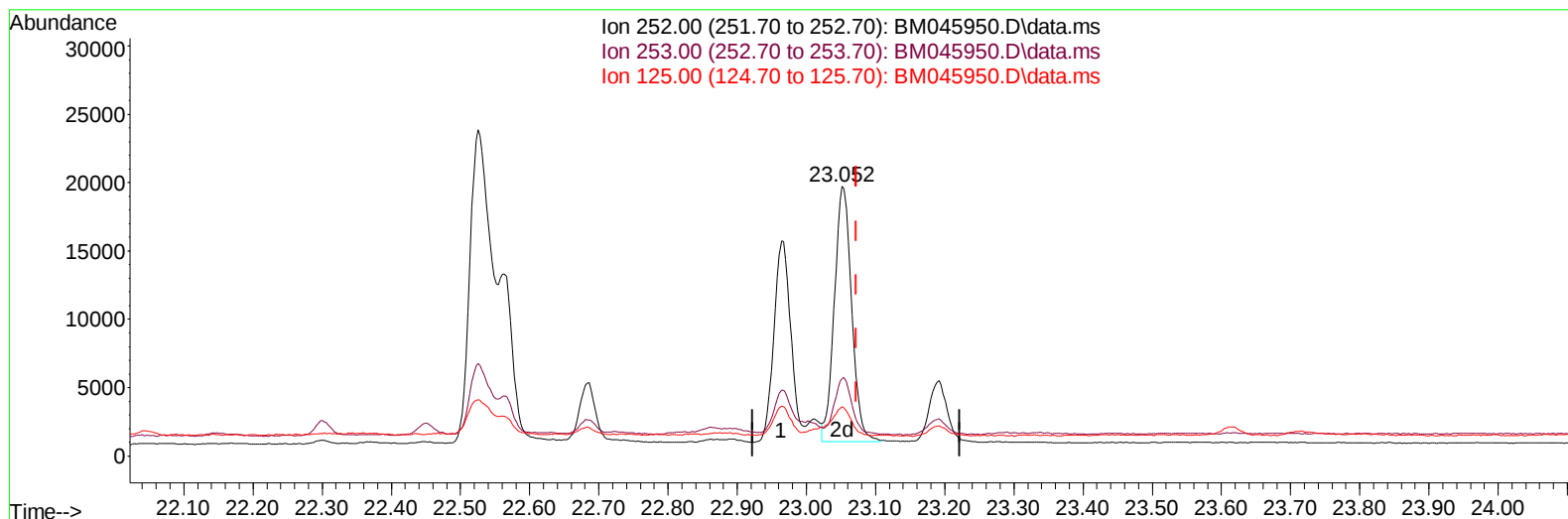
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045950.D
Acq On : 10 Jun 2024 14:43
Operator : MA/JU
Sample : P2642-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B36

Manual IntegrationsAPPROVED

Quant Time: Jun 10 15:24:07 2024
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TIC: BM045950.D\data.ms

(26) Benzo(a)pyrene (C)

23.052min (-0.020) 0.72 ng/u1 m

response 32347

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	36.00	28.73#
125.00	21.60	18.33
0.00	0.00	0.00

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 Data File : BM045950.D
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 Operator : MA/JU
 Sample : P2642-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4B36

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 06/11/2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.459	152	5492	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.231	136	17909	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.108	164	8918	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.844	188	17308m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.041	240	12849m	0.400	ng/ul	-0.01
23) Perylene-d12	23.145	264	13610m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.054	96	17903	2.862	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.843	152	4646	0.180	ng/ul	0.00
18) Fluoranthene-d10	18.880	212	8157	0.212	ng/ul	-0.01
Target Compounds						
					Qvalue	
5) Naphthalene	10.275	128	1384	0.030	ng/ul#	78
7) 2-Methylnaphthalene	11.914	142	668	0.022	ng/ul	97
10) Acenaphthylene	13.821	152	3366	0.083	ng/ul#	93
11) Acenaphthene	14.168	153	1833	0.062	ng/ul	96
12) Fluorene	15.158	166	2407	0.072	ng/ul#	98
15) Phenanthrene	16.887	178	37963m	0.781	ng/ul	
16) Anthracene	16.980	178	9681m	0.234	ng/ul	
19) Fluoranthene	18.908	202	72163	1.408	ng/ul	97
20) Pyrene	19.270	202	65634	1.228	ng/ul	98
21) Benzo(a)anthracene	21.024	228	33651	0.713	ng/ul	96
22) Chrysene	21.076	228	35982	0.701	ng/ul	98
24) Benzo(b)fluoranthene	22.525	252	49639m	1.100	ng/ul	
25) Benzo(k)fluoranthene	22.563	252	15860m	0.320	ng/ul	
26) Benzo(a)pyrene	23.052	252	32347m	0.721	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.206	276	25238	0.435	ng/ul#	90
28) Dibenzo(a,h)anthracene	25.212	278	5750	0.124	ng/ul#	71
29) Benzo(g,h,i)perylene	25.833	276	24831	0.496	ng/ul	99

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

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