

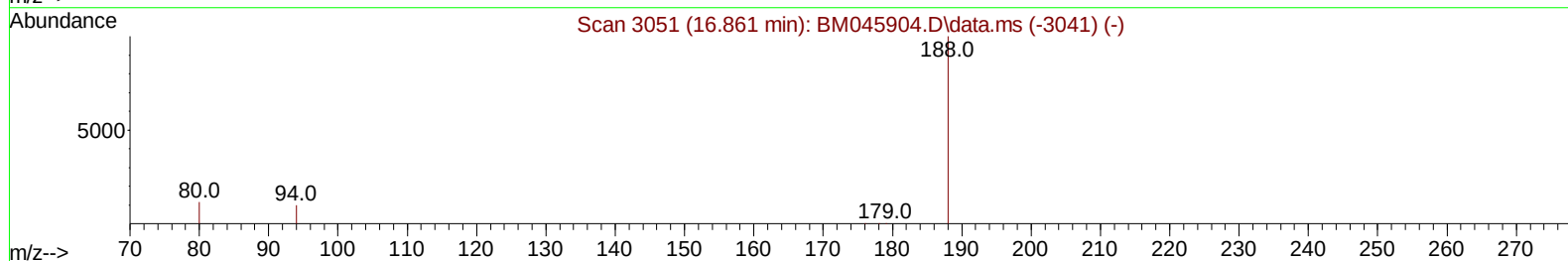
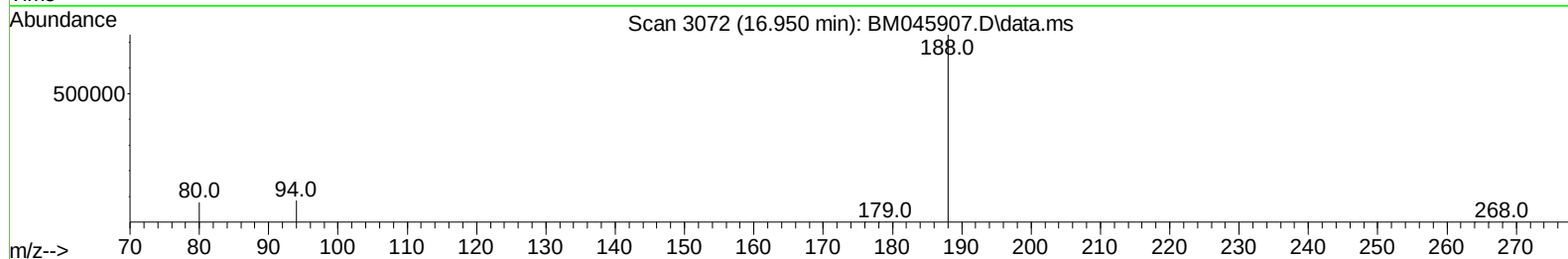
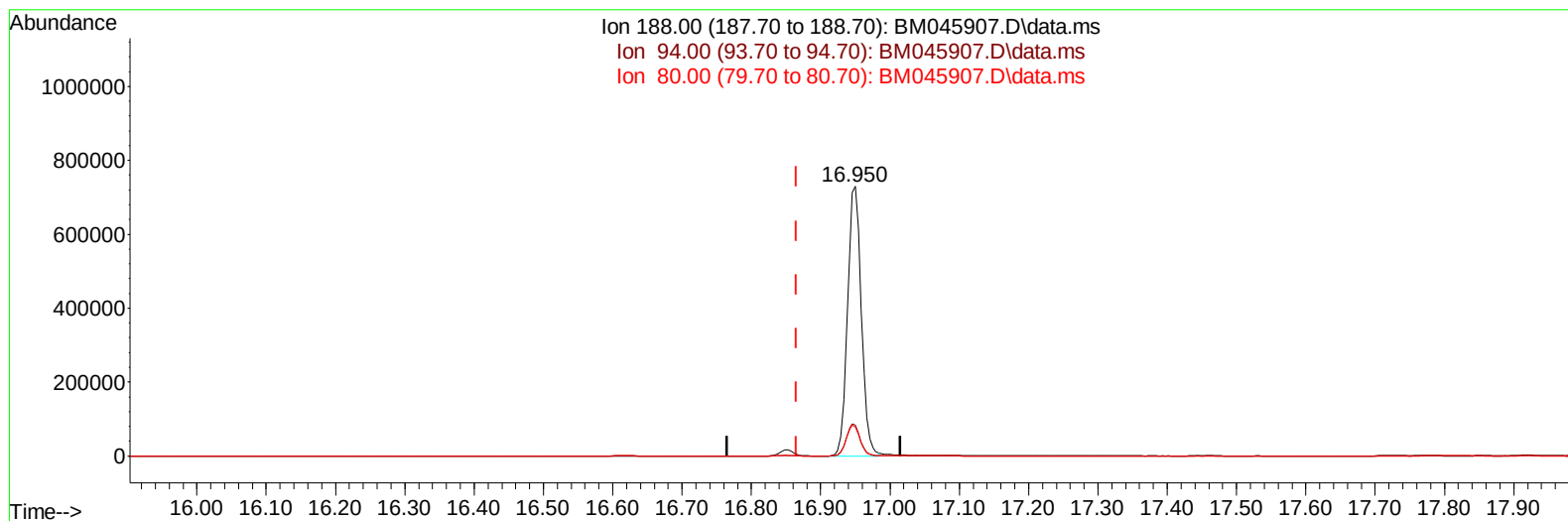
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045907.D
Acq On : 08 Jun 2024 09:33
Operator : MA/JU
Sample : P2640-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BG7

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:27:07 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 :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045907.D\data.ms

(13) Phenanthrene-d10 (I)

16.950min (+ 0.084) 0.40 ng/u1

response 1003503

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	11.44
80.00	11.70	10.68
0.00	0.00	0.00

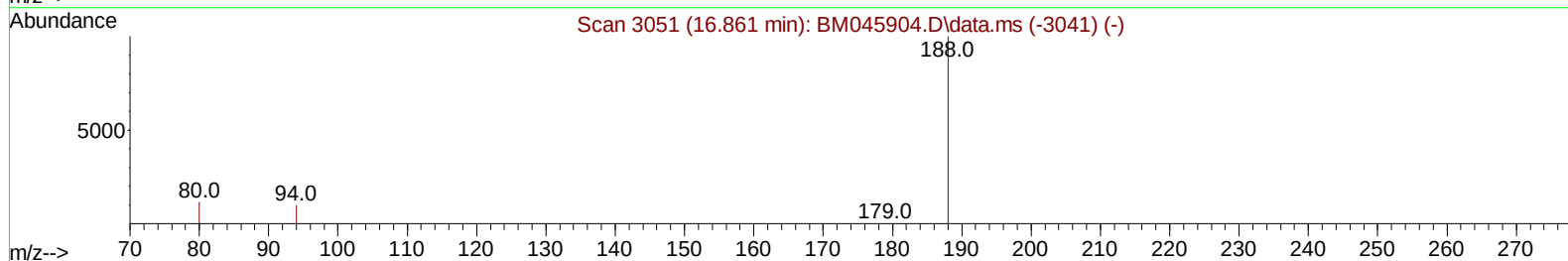
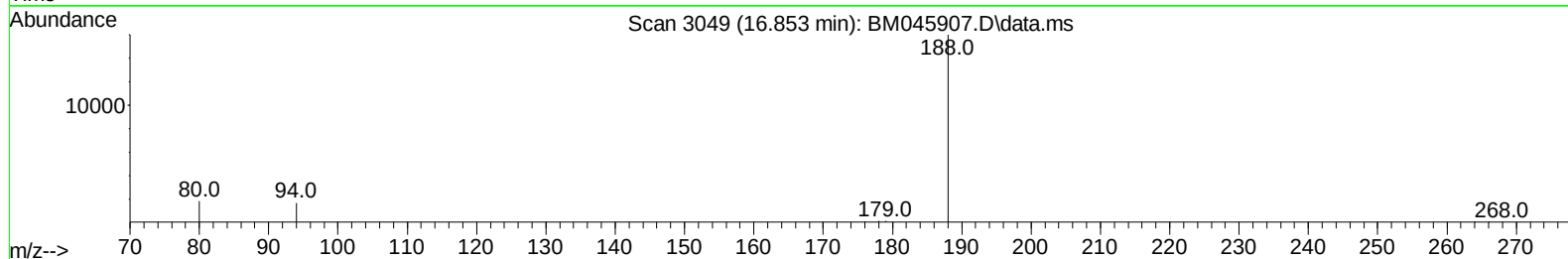
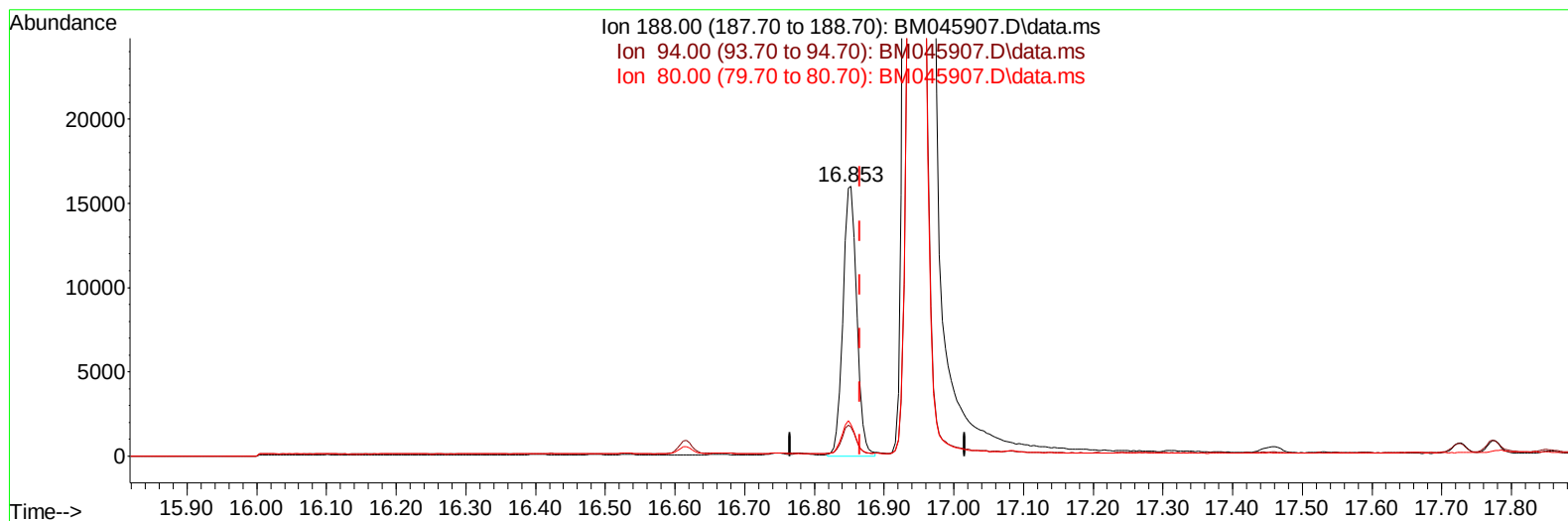
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045907.D
Acq On : 08 Jun 2024 09:33
Operator : MA/JU
Sample : P2640-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BG7

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:27:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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QLast Update : Fri Jun 07 22:59:16 2024
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Reviewed By :Yogesh Patel 06/10/2024
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TIC: BM045907.D\data.ms

(13) Phenanthrene-d10 (I)

16.853min (-0.013) 0.40 ng/ul m

response 22137

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	10.64
80.00	11.70	11.62
0.00	0.00	0.00

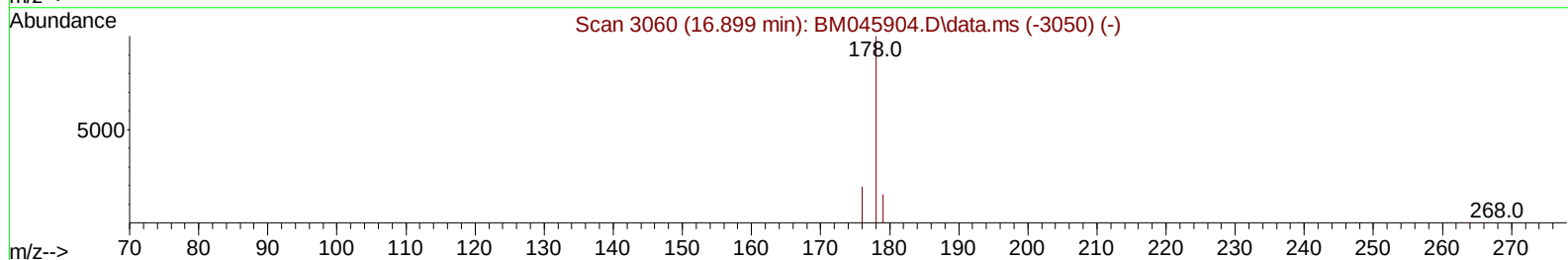
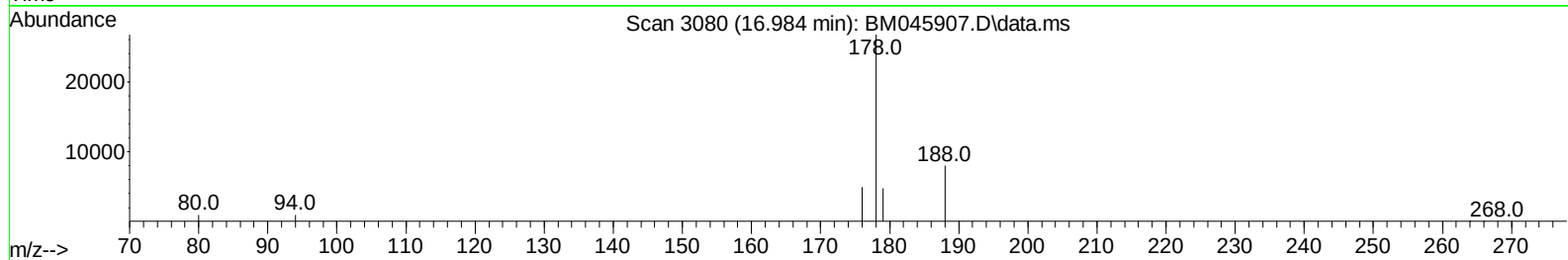
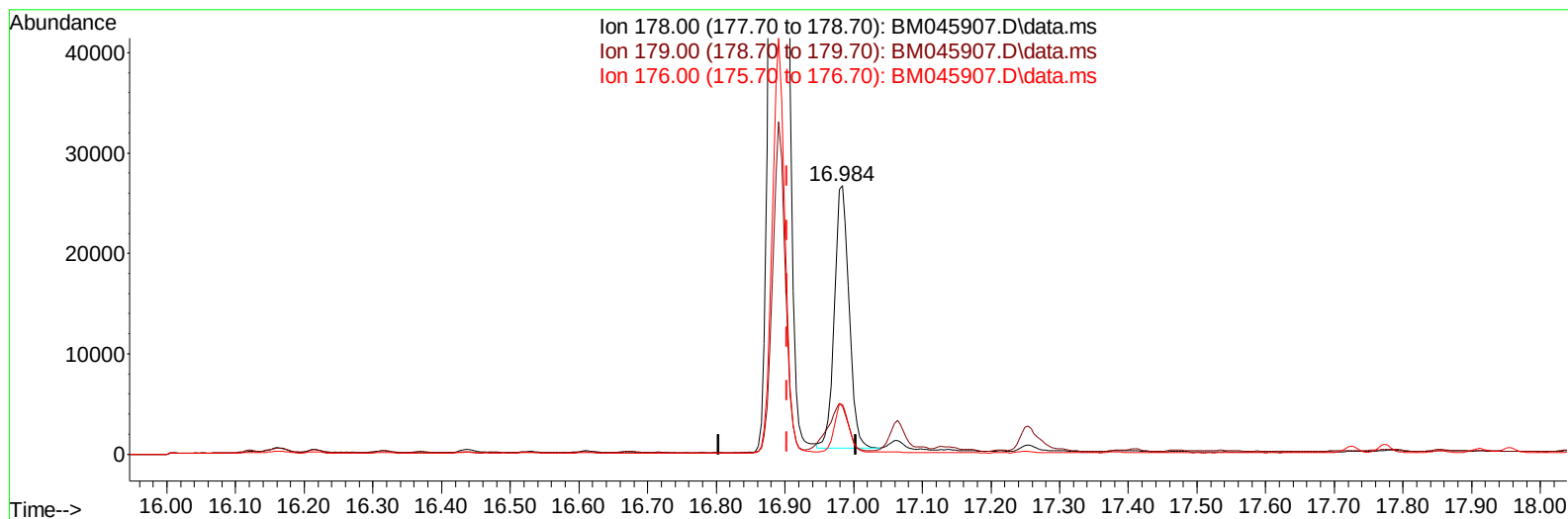
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045907.D
Acq On : 08 Jun 2024 09:33
Operator : MA/JU
Sample : P2640-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BG7

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:27:07 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 :Yogesh Patel 06/10/2024
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TIC: BM045907.D\data.ms

(15) Phenanthrene

16.984min (+ 0.080) 0.62 ng/u1

response 38685

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	17.92
176.00	19.50	18.63
0.00	0.00	0.00

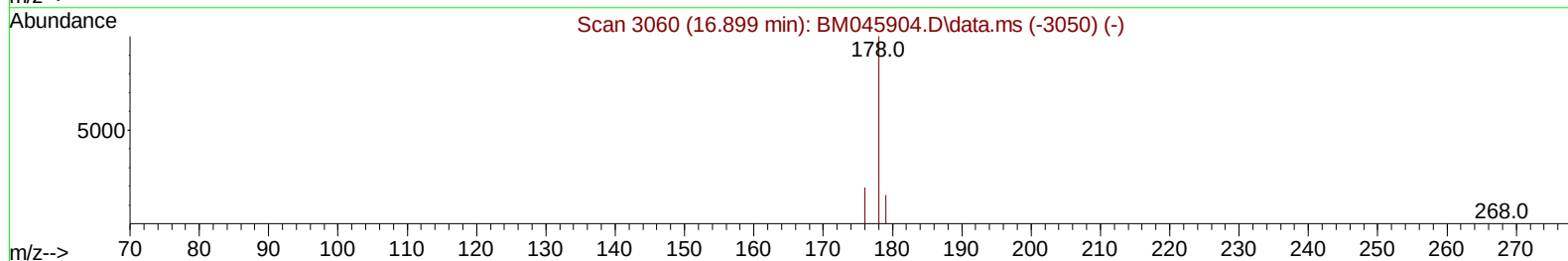
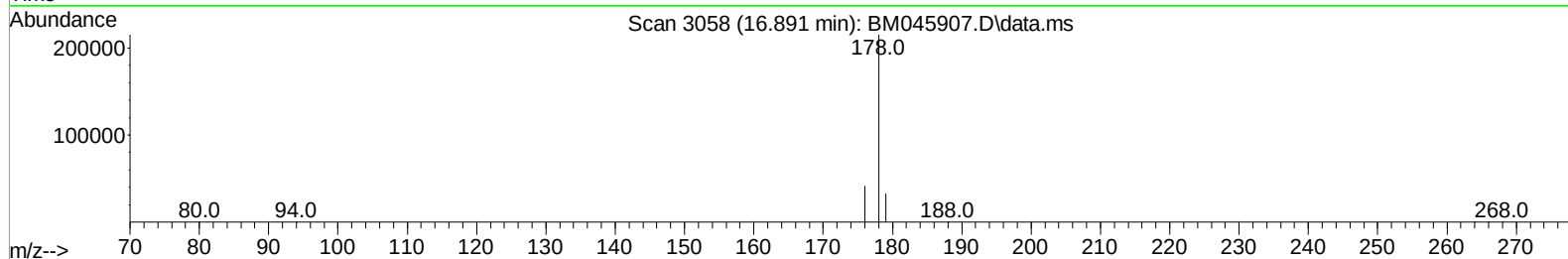
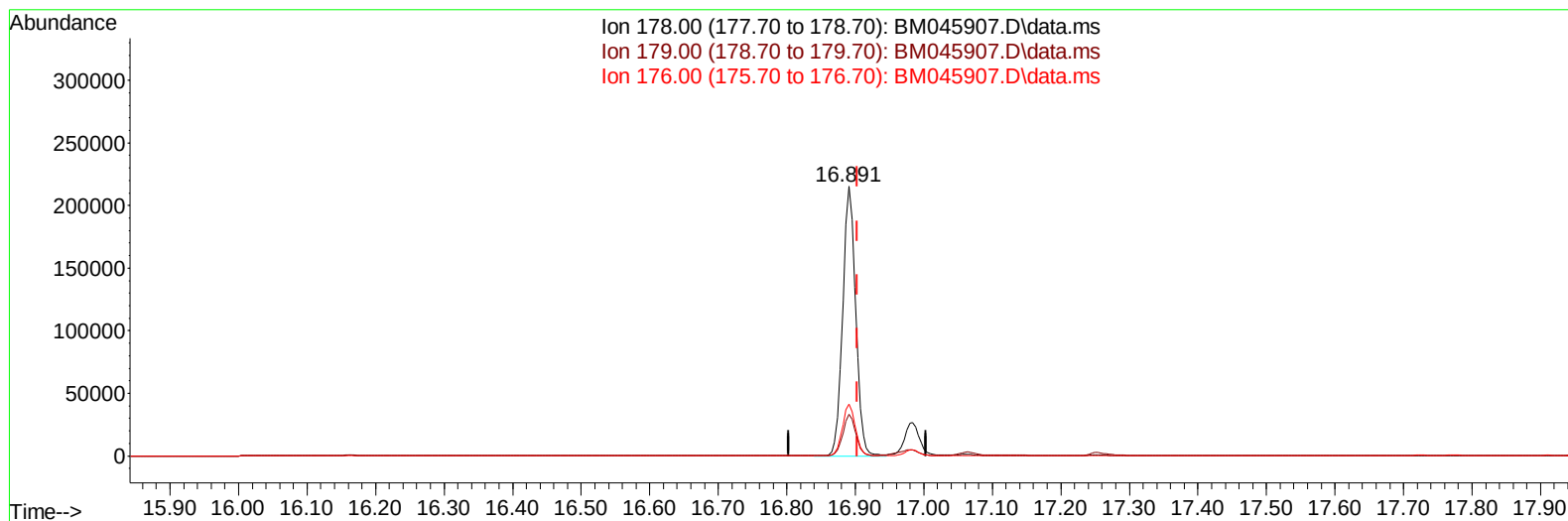
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045907.D
Acq On : 08 Jun 2024 09:33
Operator : MA/JU
Sample : P2640-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BG7

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:27:07 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 :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045907.D\data.ms

(15) Phenanthrene

16.891min (-0.013) 4.53 ng/ul m

response 281476

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	15.38
176.00	19.50	19.29
0.00	0.00	0.00

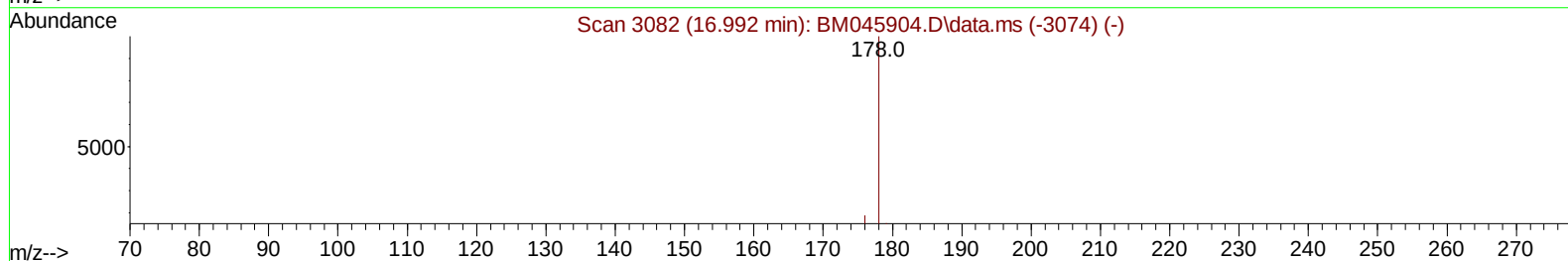
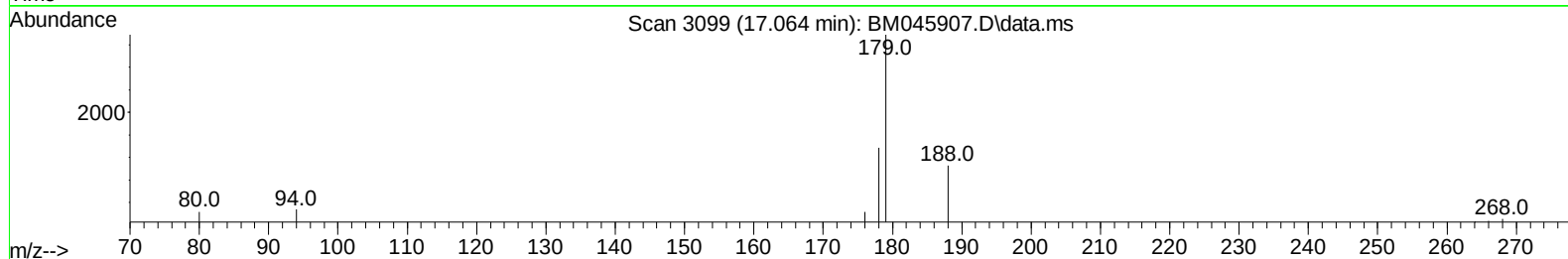
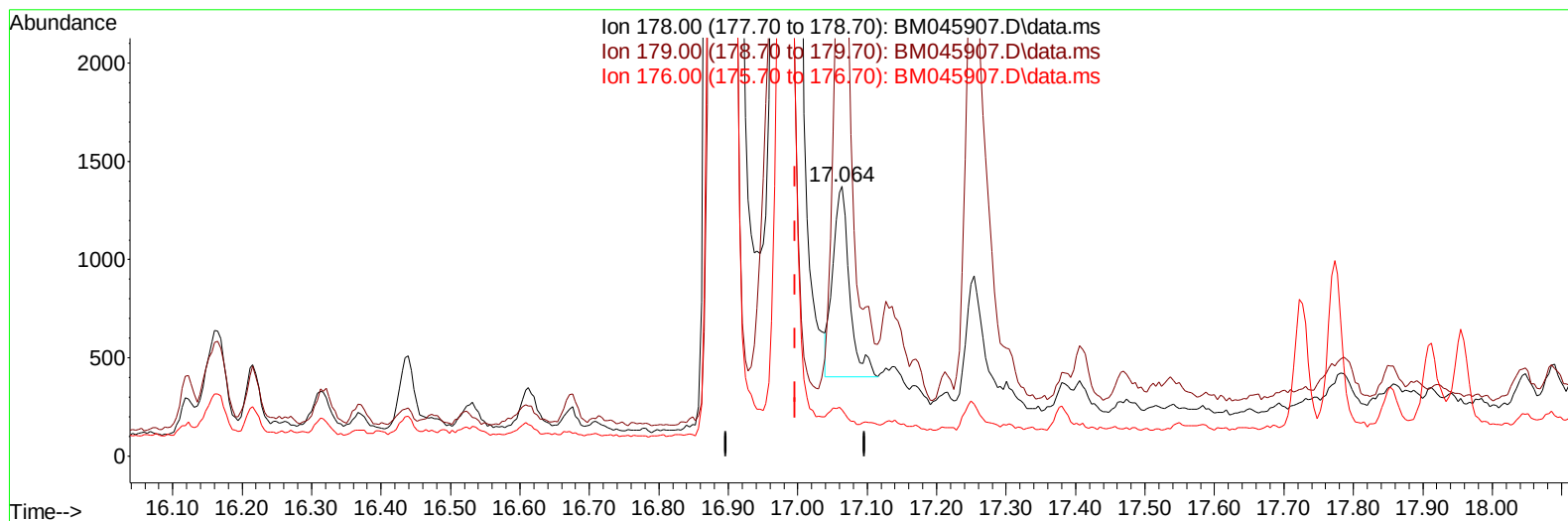
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045907.D
Acq On : 08 Jun 2024 09:33
Operator : MA/JU
Sample : P2640-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BG7

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:27:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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TIC: BM045907.D\data.ms

(16) Anthracene

17.064min (+ 0.067) 0.03 ng/u1

response 1634

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	246.36#
176.00	19.40	17.06
0.00	0.00	0.00

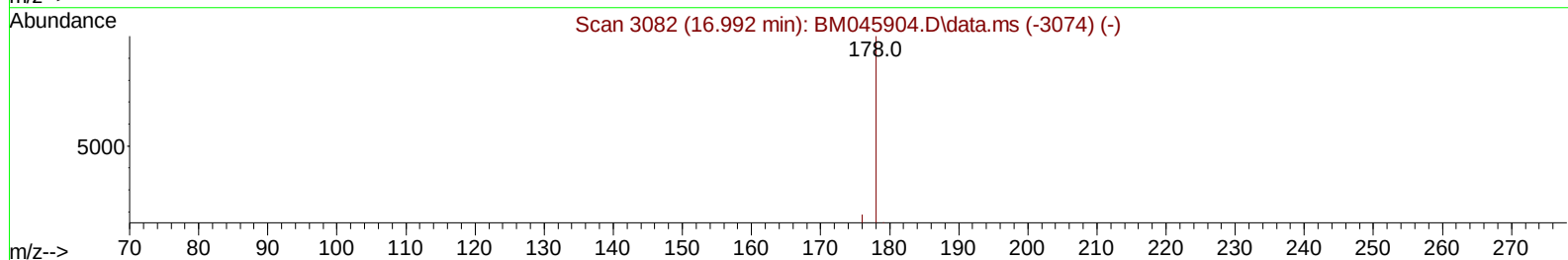
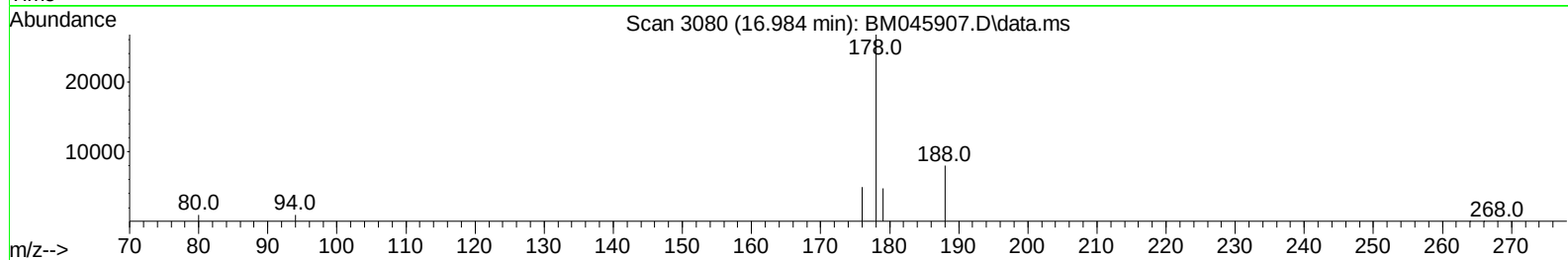
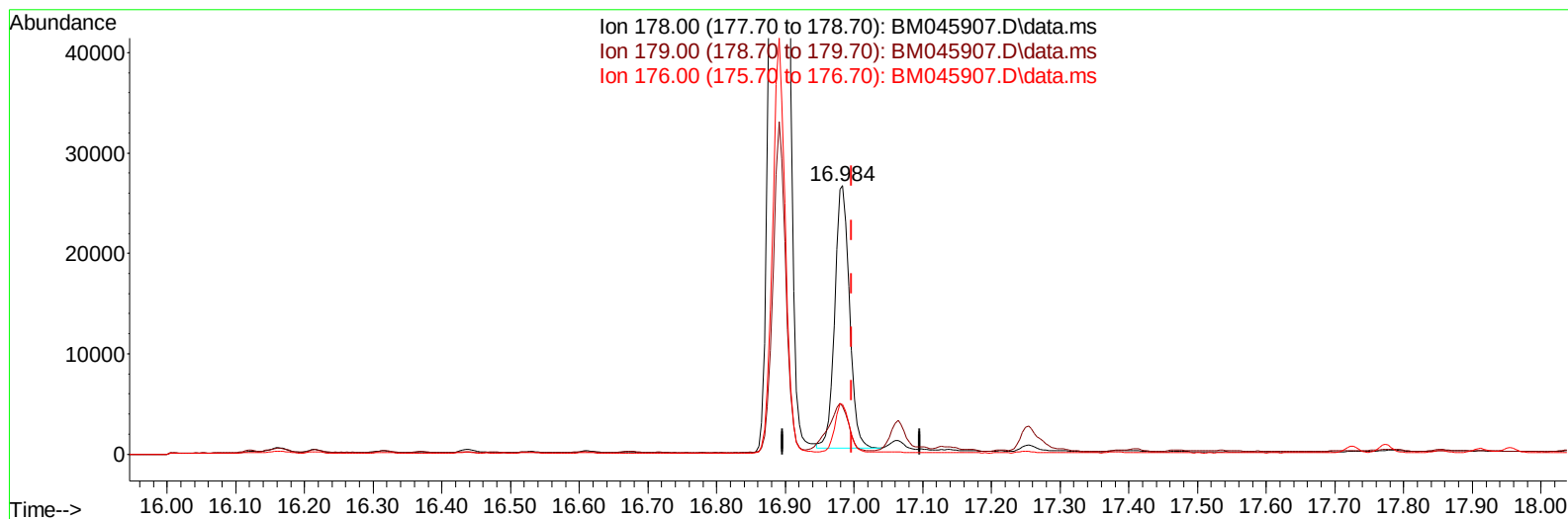
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045907.D
Acq On : 08 Jun 2024 09:33
Operator : MA/JU
Sample : P2640-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BG7

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:27:07 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 :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045907.D\data.ms

(16) Anthracene

16.984min (-0.013) 0.73 ng/ul m

response 38864

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	17.92
176.00	19.40	18.63
0.00	0.00	0.00

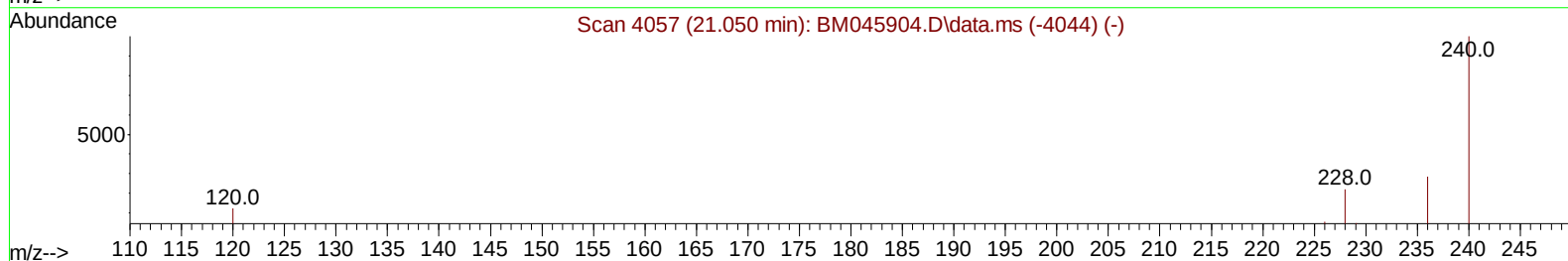
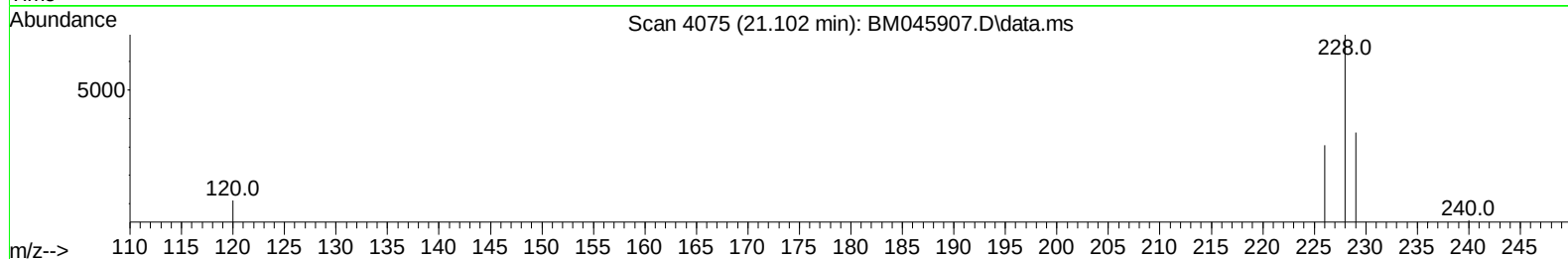
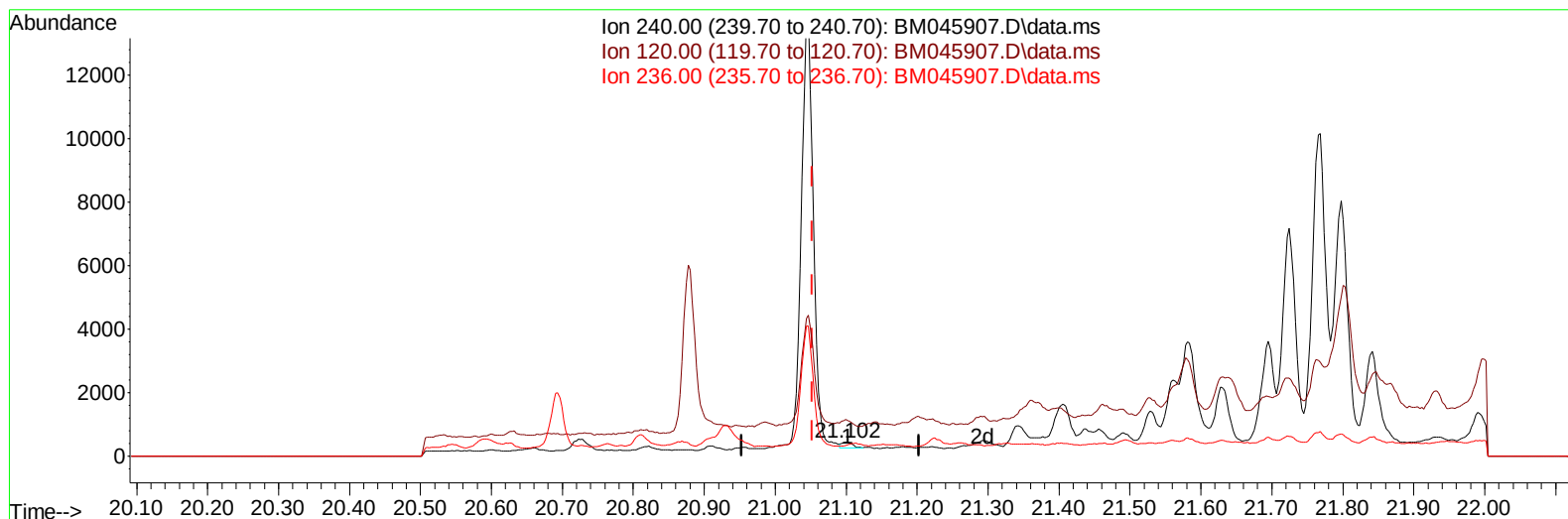
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045907.D
Acq On : 08 Jun 2024 09:33
Operator : MA/JU
Sample : P2640-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BG7

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:27:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BM045907.D\data.ms

(17) Chrysene-d12

21.102min (+ 0.050) 0.40 ng/u1

response 194

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.10	260.14#
236.00	29.50	82.28#
0.00	0.00	0.00

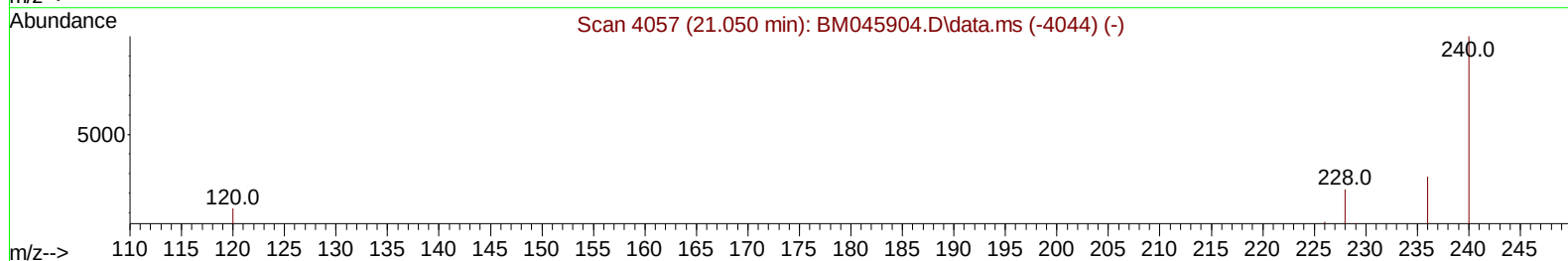
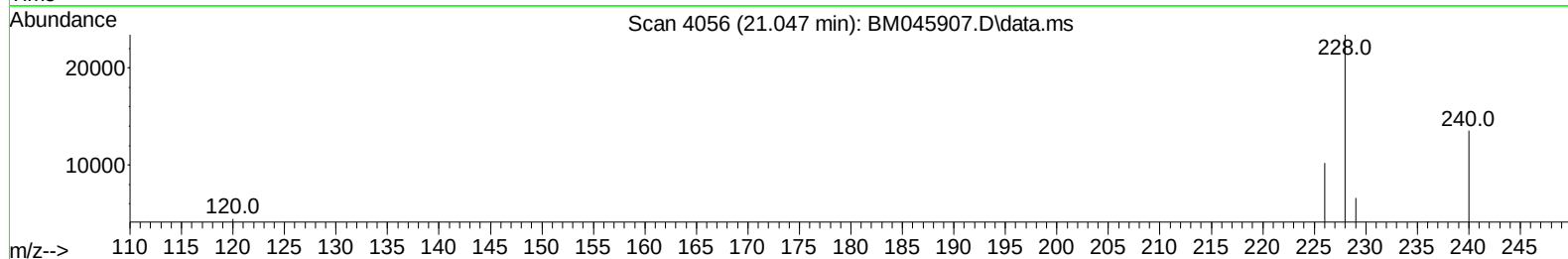
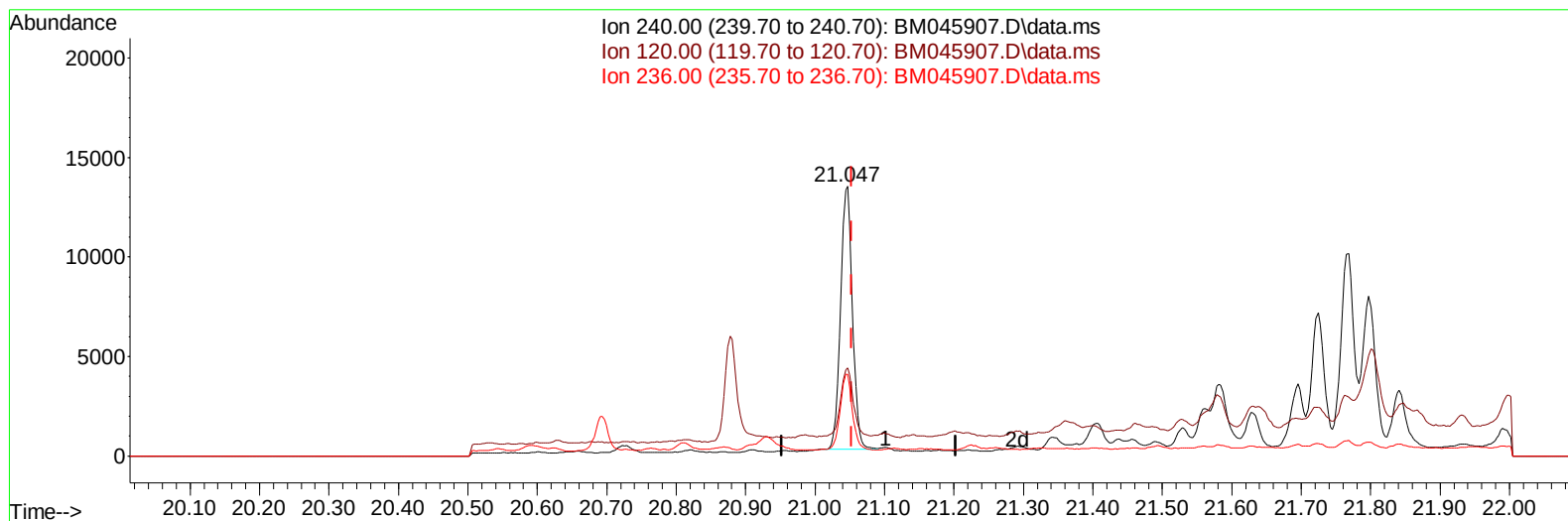
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045907.D
Acq On : 08 Jun 2024 09:33
Operator : MA/JU
Sample : P2640-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BG7

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:27:07 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 :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045907.D\data.ms

(17) Chrysene-d12

21.047min (-0.006) 0.40 ng/ul m

response 15632

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.10	32.72#
236.00	29.50	30.26
0.00	0.00	0.00

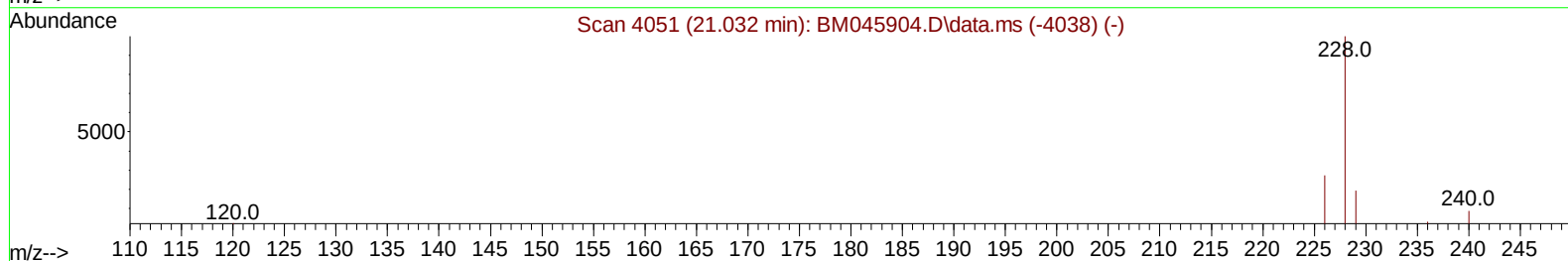
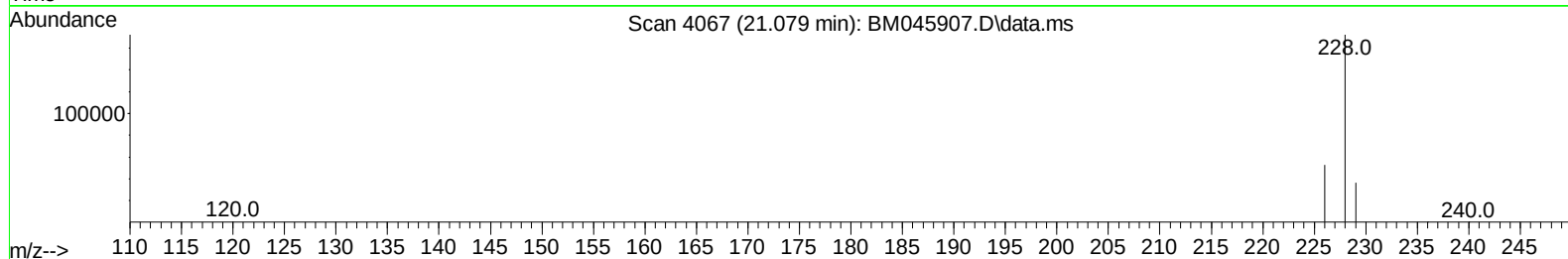
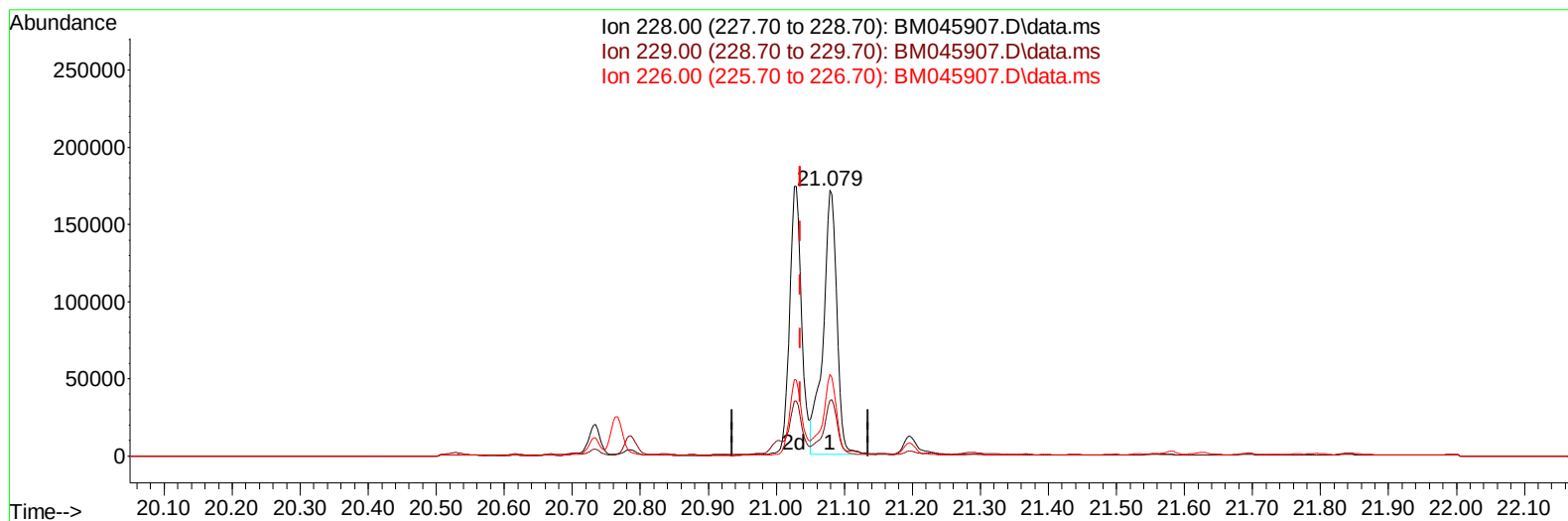
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045907.D
Acq On : 08 Jun 2024 09:33
Operator : MA/JU
Sample : P2640-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BG7

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:27:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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TIC: BM045907.D\data.ms

(21) Benzo(a)anthracene

21.079min (+ 0.044) 4.19 ng/u1

response 240499

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	21.06
226.00	27.50	30.71
0.00	0.00	0.00

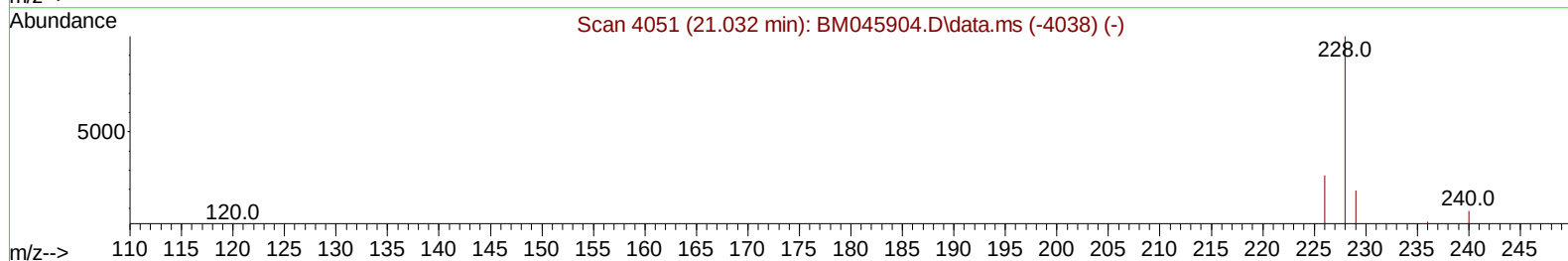
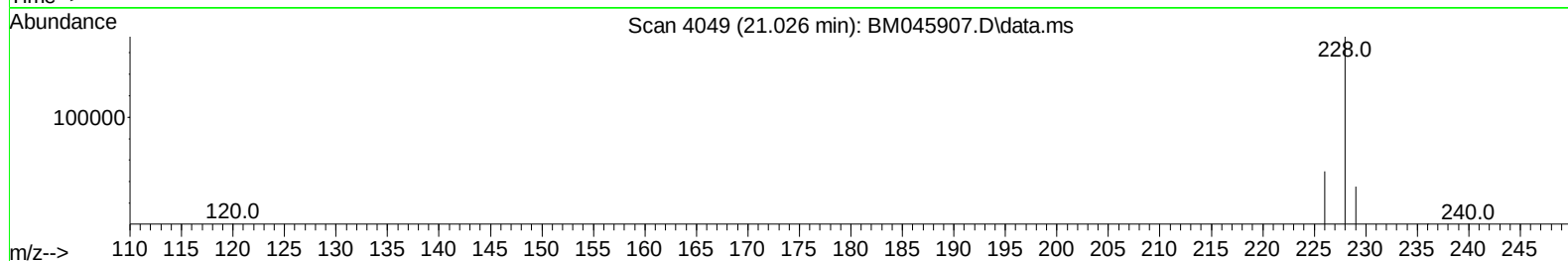
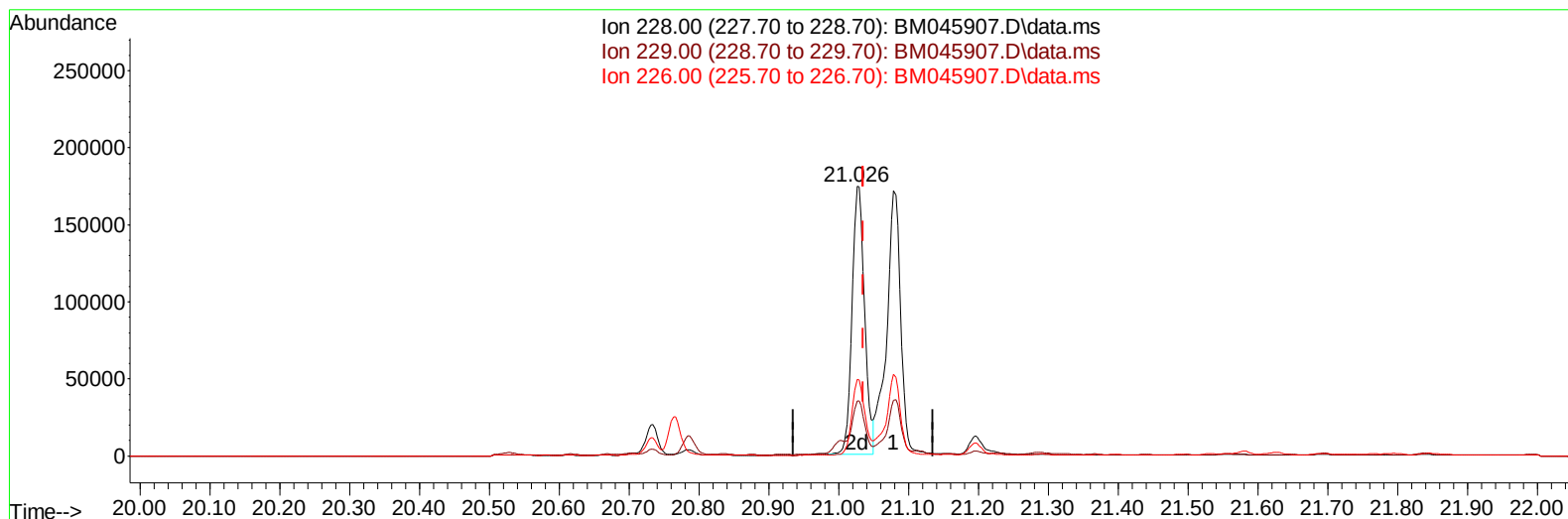
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045907.D
Acq On : 08 Jun 2024 09:33
Operator : MA/JU
Sample : P2640-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BG7

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:27:07 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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Supervised By :mohammad ahmed 06/13/2024



TIC: BM045907.D\data.ms

(21) Benzo(a)anthracene

21.026min (-0.009) 3.78 ng/u1 m

response 216619

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	20.30
226.00	27.50	28.49
0.00	0.00	0.00

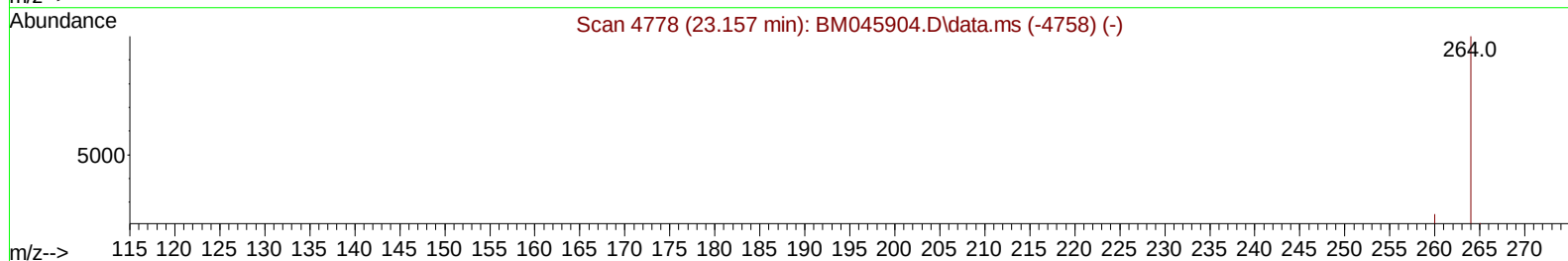
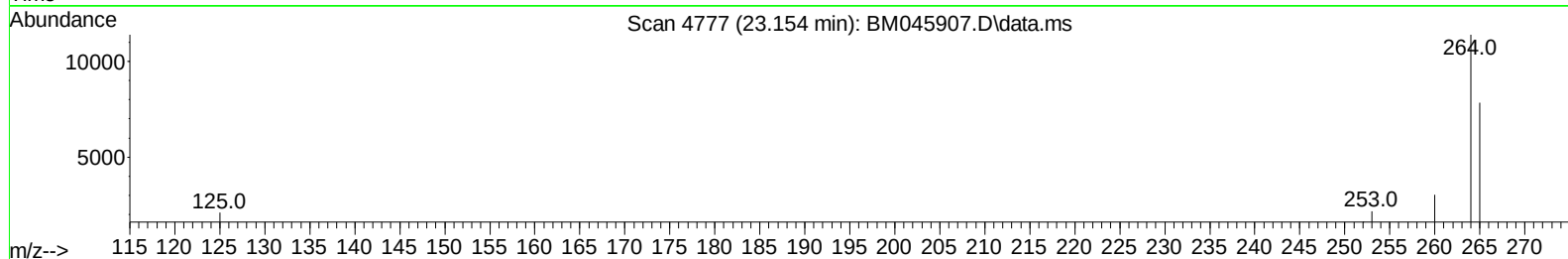
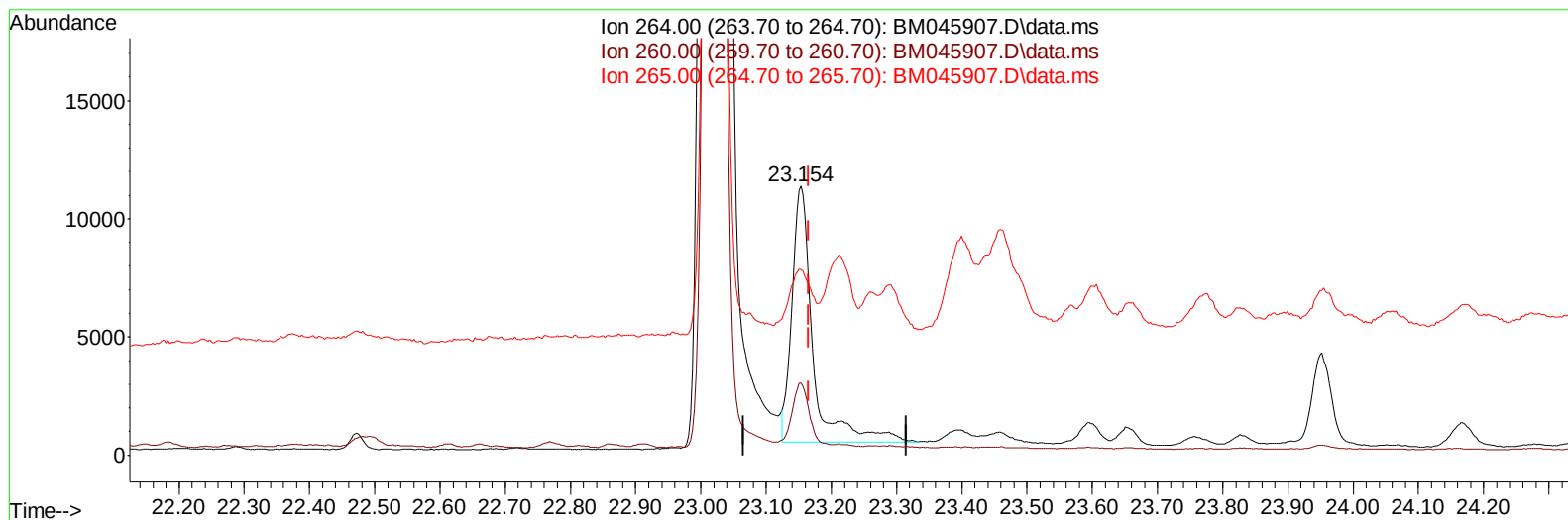
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045907.D
Acq On : 08 Jun 2024 09:33
Operator : MA/JU
Sample : P2640-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BG7

Manual IntegrationsAPPROVED

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TIC: BM045907.D\data.ms

(23) Perylene-d12 (I)

23.154min (-0.012) 0.40 ng/u1

response 24263

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	26.72
265.00	76.60	68.97
0.00	0.00	0.00

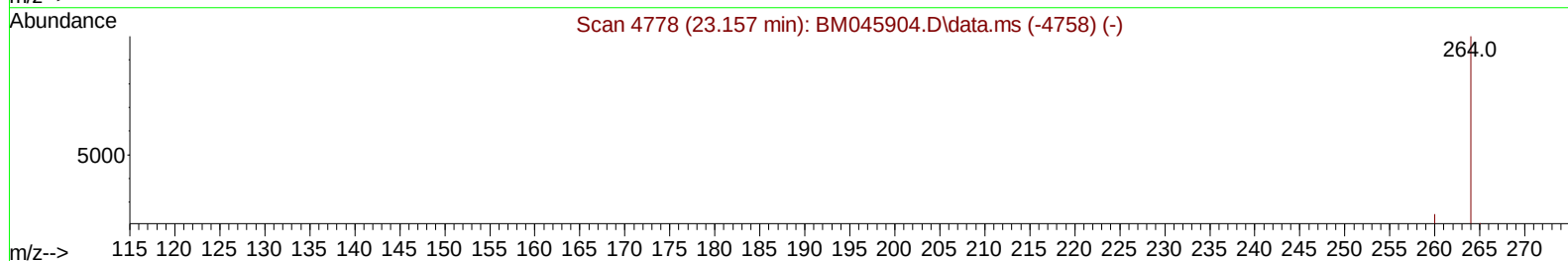
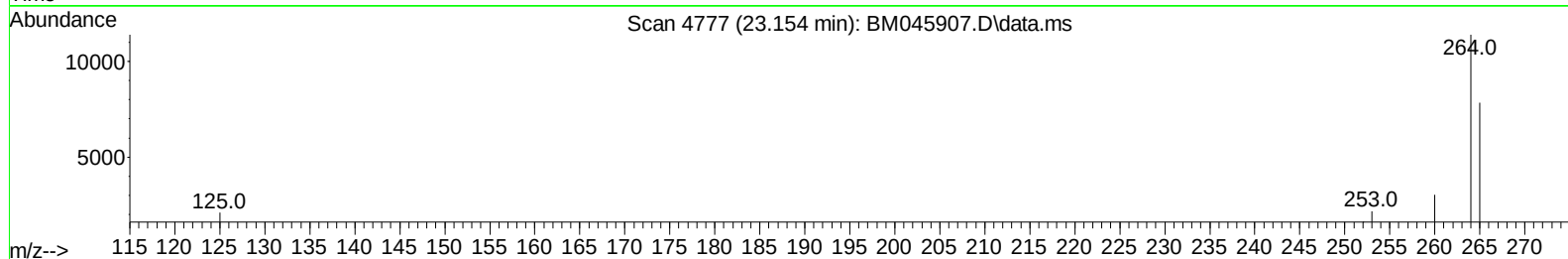
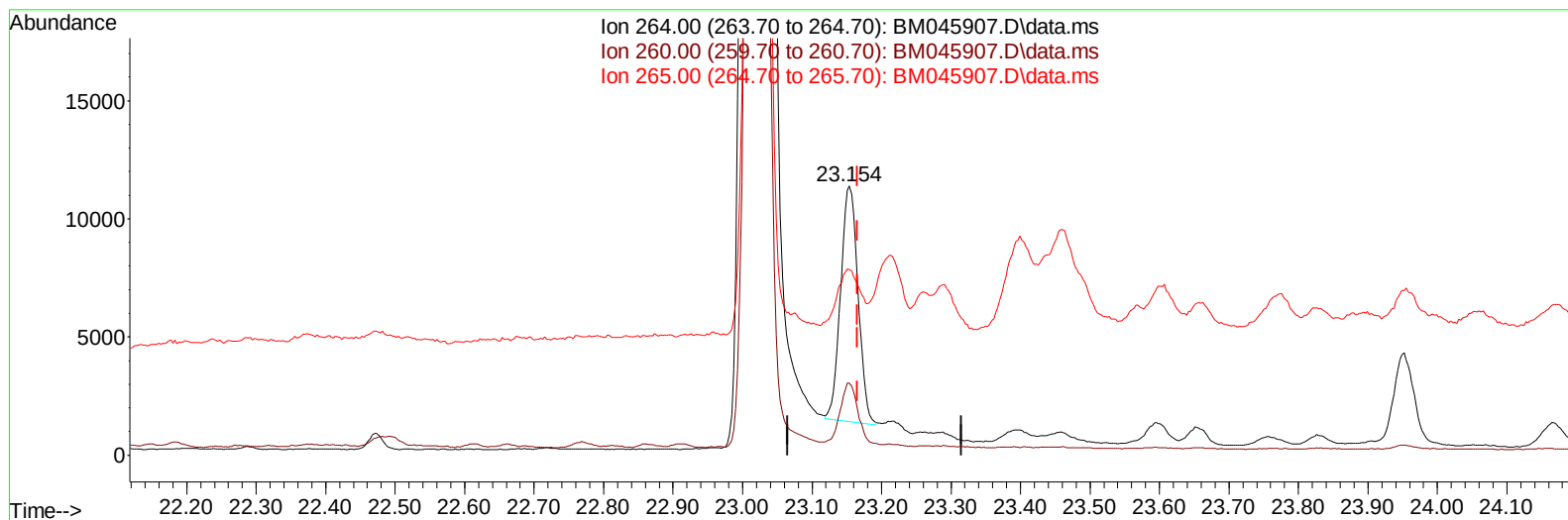
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045907.D
Acq On : 08 Jun 2024 09:33
Operator : MA/JU
Sample : P2640-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BG7

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:27:07 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
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045907.D\data.ms

(23) Perylene-d12 (I)

23.154min (-0.012) 0.40 ng/ul m

response 17386

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	26.72
265.00	76.60	68.97
0.00	0.00	0.00

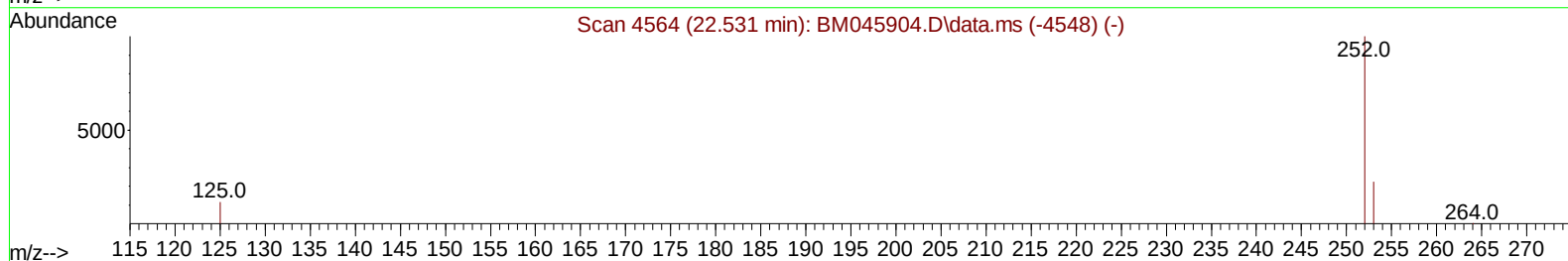
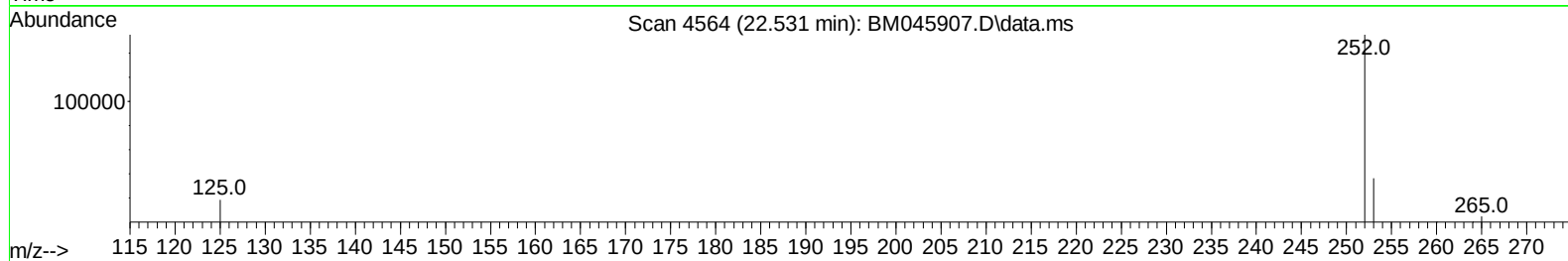
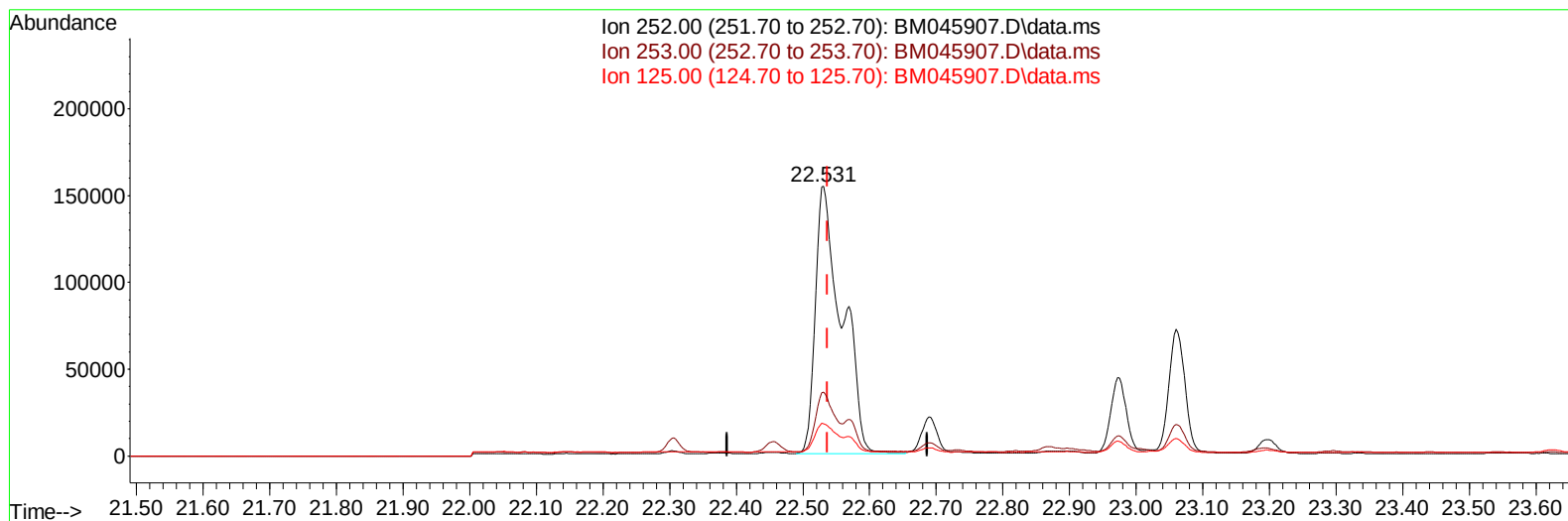
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045907.D
Acq On : 08 Jun 2024 09:33
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Sample : P2640-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045907.D\data.ms

(24) Benzo(b)fluoranthene

22.531min (-0.006) 7.44 ng/u1

response 428997

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	23.69
125.00	17.90	12.04
0.00	0.00	0.00

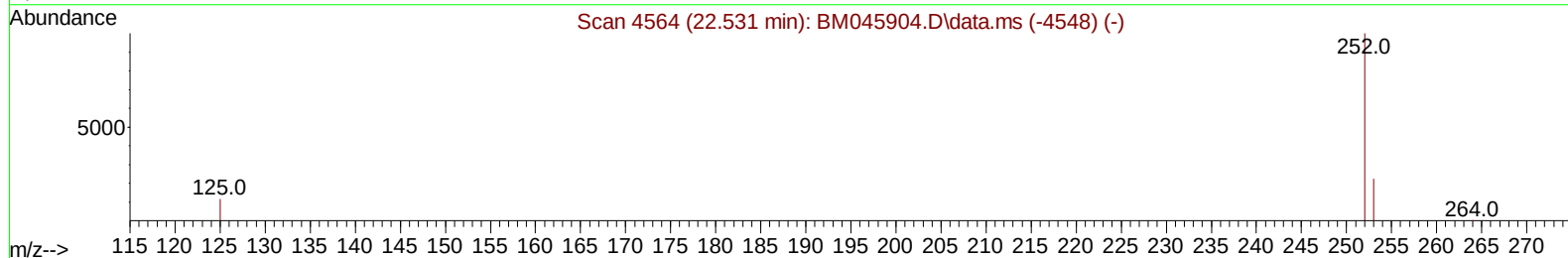
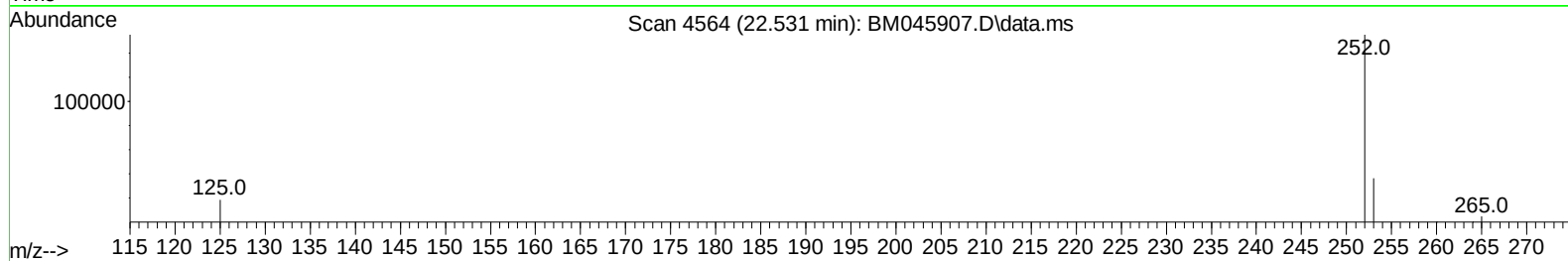
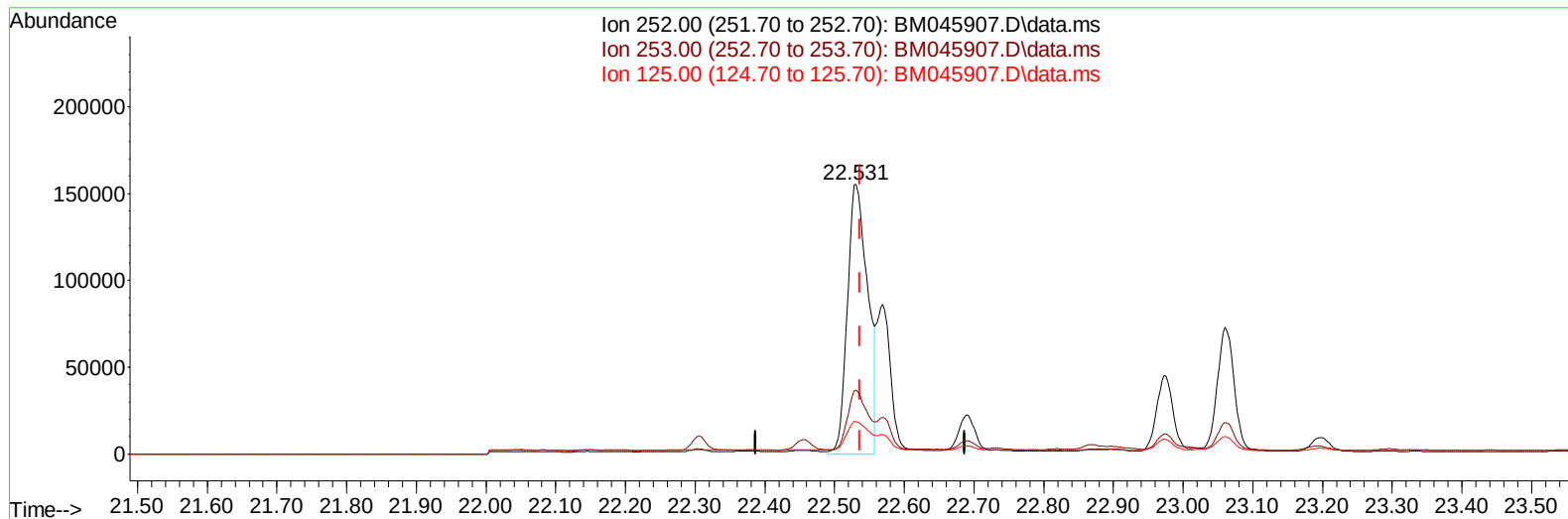
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045907.D
Acq On : 08 Jun 2024 09:33
Operator : MA/JU
Sample : P2640-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BG7

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:27:07 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 :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045907.D\data.ms

(24) Benzo(b)fluoranthene

22.531min (-0.006) 5.48 ng/ul m

response 316086

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	23.69
125.00	17.90	12.04
0.00	0.00	0.00

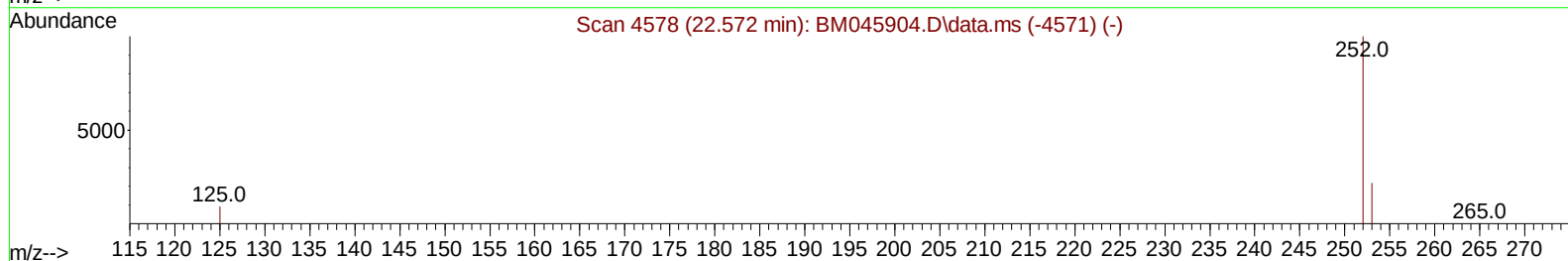
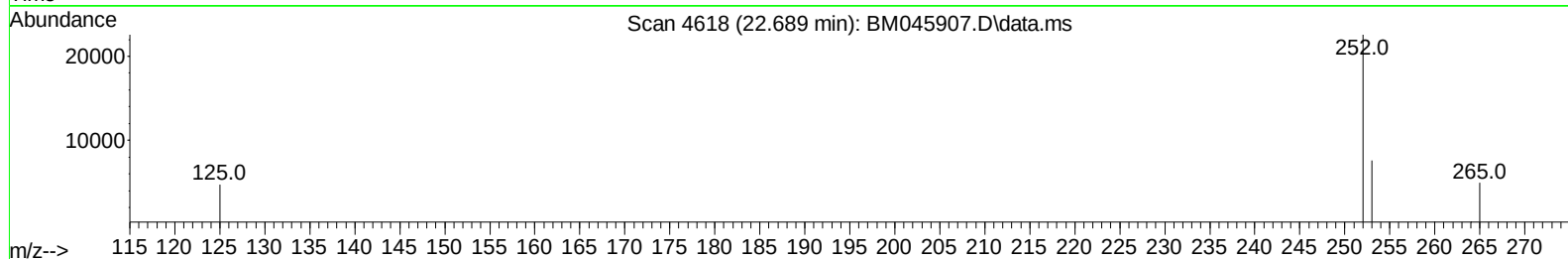
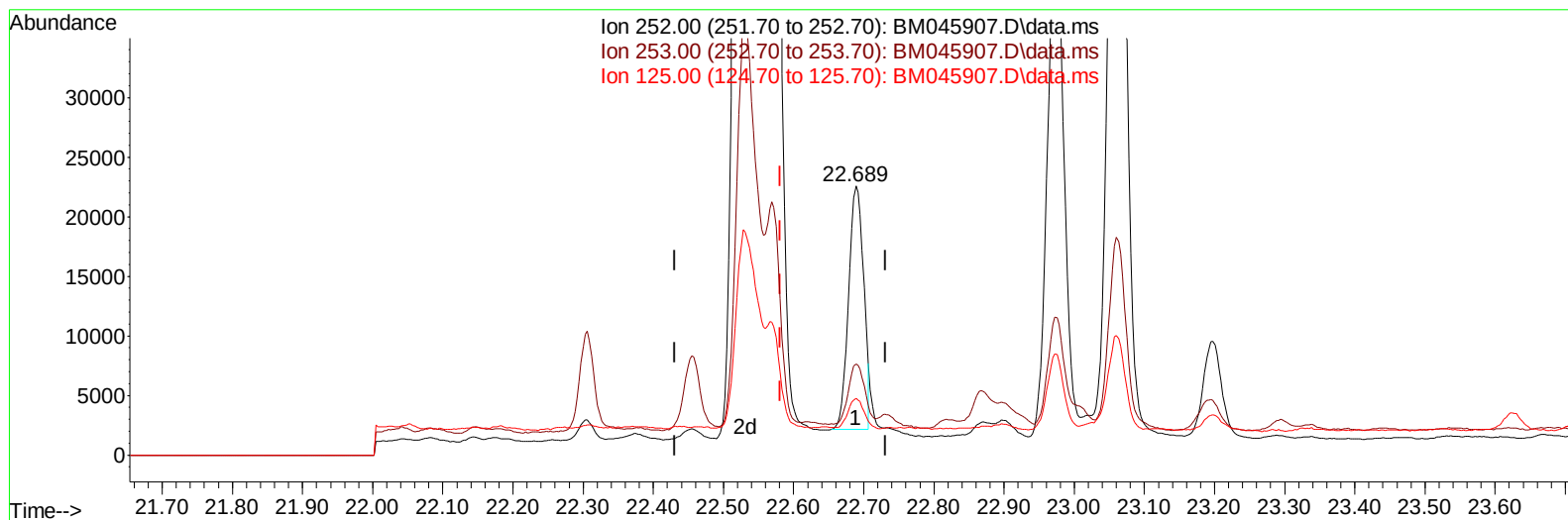
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045907.D
Acq On : 08 Jun 2024 09:33
Operator : MA/JU
Sample : P2640-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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TIC: BM045907.D\data.ms

(25) Benzo(k)fluoranthene

22.689min (+ 0.108) 0.48 ng/u1

response 30562

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	33.77
125.00	17.70	21.08
0.00	0.00	0.00

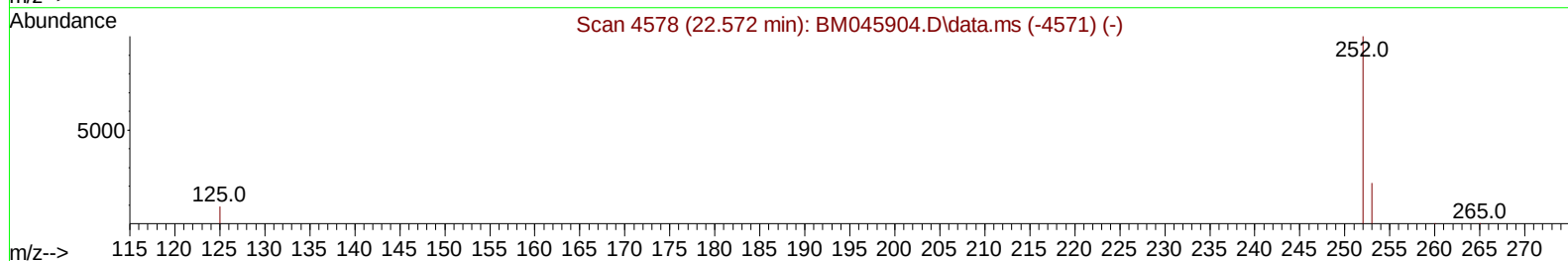
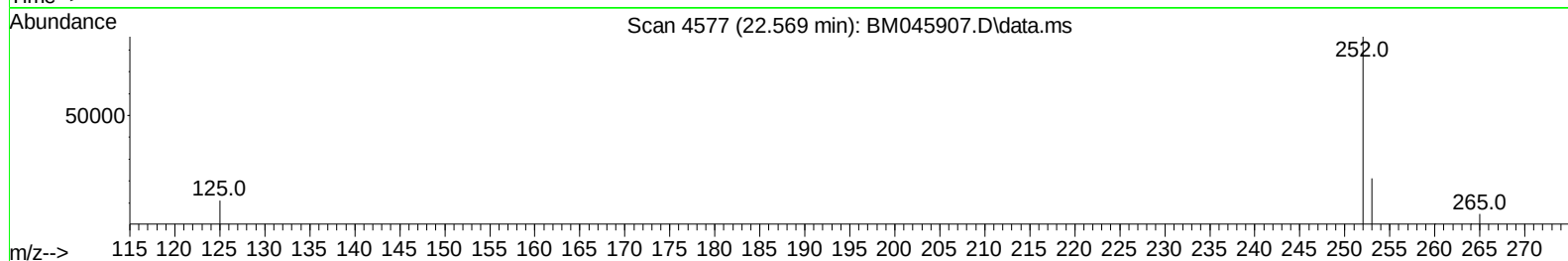
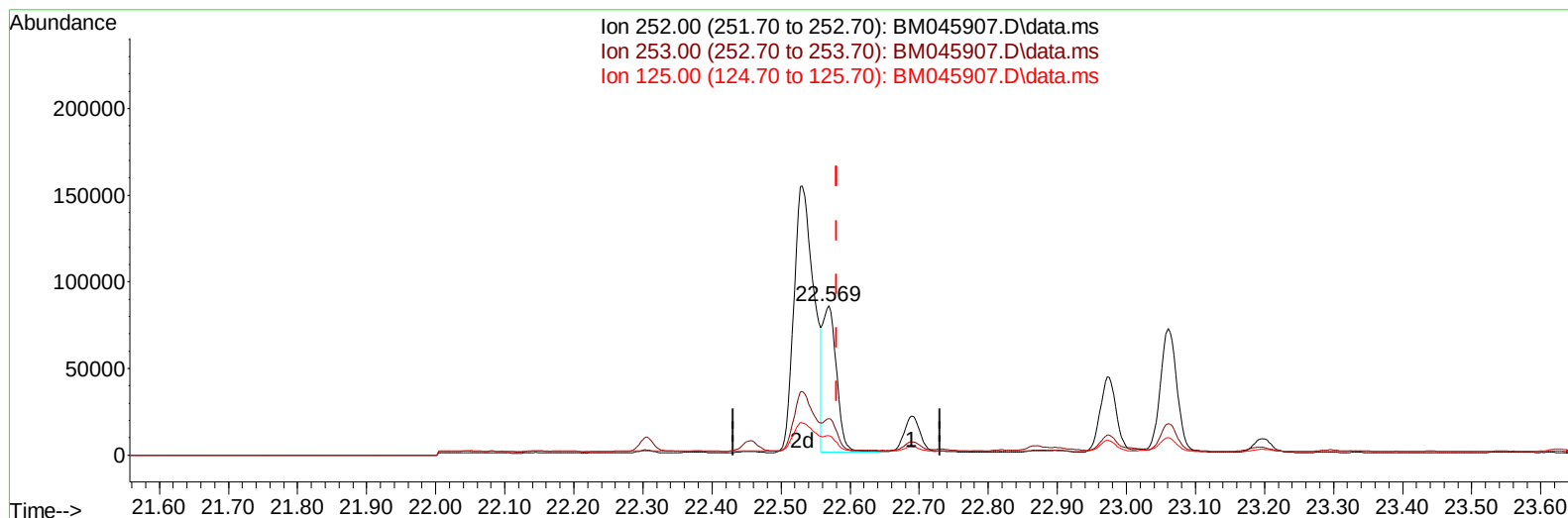
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
 Data File : BM045907.D
 Acq On : 08 Jun 2024 09:33
 Operator : MA/JU
 Sample : P2640-01
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BG7

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:27:07 2024
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TIC: BM045907.D\data.ms

(25) Benzo(k)fluoranthene

22.569min (-0.012) 1.84 ng/ul m

response 116823

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	24.68#
125.00	17.70	12.93#
0.00	0.00	0.00

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 Operator : MA/JU
 Sample : P2640-01
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.468	152	6231	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.237	136	21148	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.107	164	10843	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.853	188	22137m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.047	240	15632m	0.400	ng/ul	0.00
23) Perylene-d12	23.154	264	17386m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.058	96	25290	3.564	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.842	152	6605	0.217	ng/ul	0.00
18) Fluoranthene-d10	18.880	212	13225	0.283	ng/ul	-0.01
Target Compounds						
						Qvalue
5) Naphthalene	10.281	128	9217	0.167	ng/ul	98
7) 2-Methylnaphthalene	11.914	142	3609	0.102	ng/ul	97
8) 1-Methylnaphthalene	12.139	142	2872	0.075	ng/ul	99
10) Acenaphthylene	13.825	152	10528	0.214	ng/ul	99
11) Acenaphthene	14.172	153	12030	0.332	ng/ul	99
12) Fluorene	15.162	166	11833	0.292	ng/ul	98
15) Phenanthrene	16.891	178	281476m	4.529	ng/ul	
16) Anthracene	16.984	178	38864m	0.733	ng/ul	
19) Fluoranthene	18.912	202	528237	8.474	ng/ul	98
20) Pyrene	19.275	202	365067	5.614	ng/ul	98
21) Benzo(a)anthracene	21.026	228	216619m	3.775	ng/ul	
22) Chrysene	21.079	228	240499	3.850	ng/ul	99
24) Benzo(b)fluoranthene	22.531	252	316086m	5.481	ng/ul	
25) Benzo(k)fluoranthene	22.569	252	116823m	1.844	ng/ul	
26) Benzo(a)pyrene	23.060	252	121132	2.112	ng/ul#	82
27) Indeno(1,2,3-cd)pyrene	25.216	276	113673	1.533	ng/ul	94
28) Dibenzo(a,h)anthracene	25.219	278	36050	0.608	ng/ul	99
29) Benzo(g,h,i)perylene	25.846	276	17948	0.281	ng/ul	92

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

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