

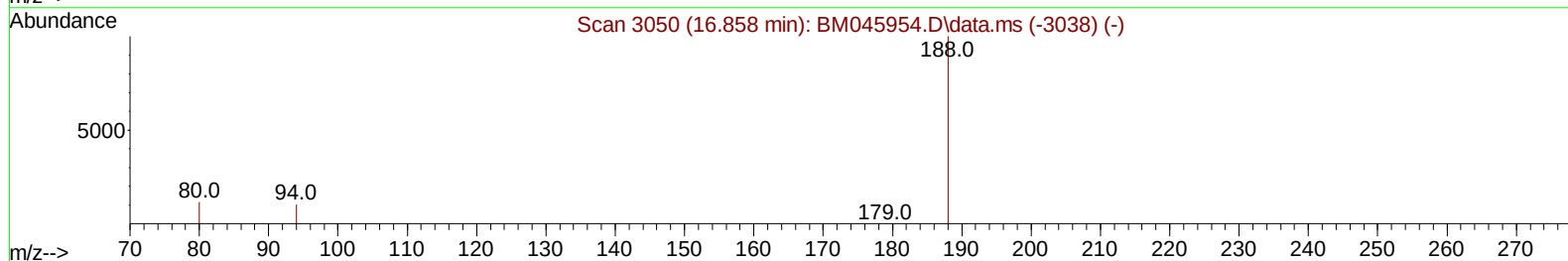
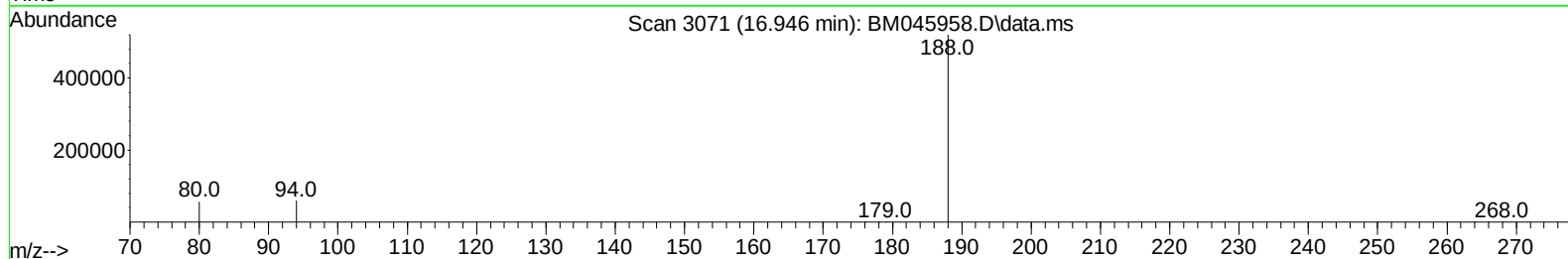
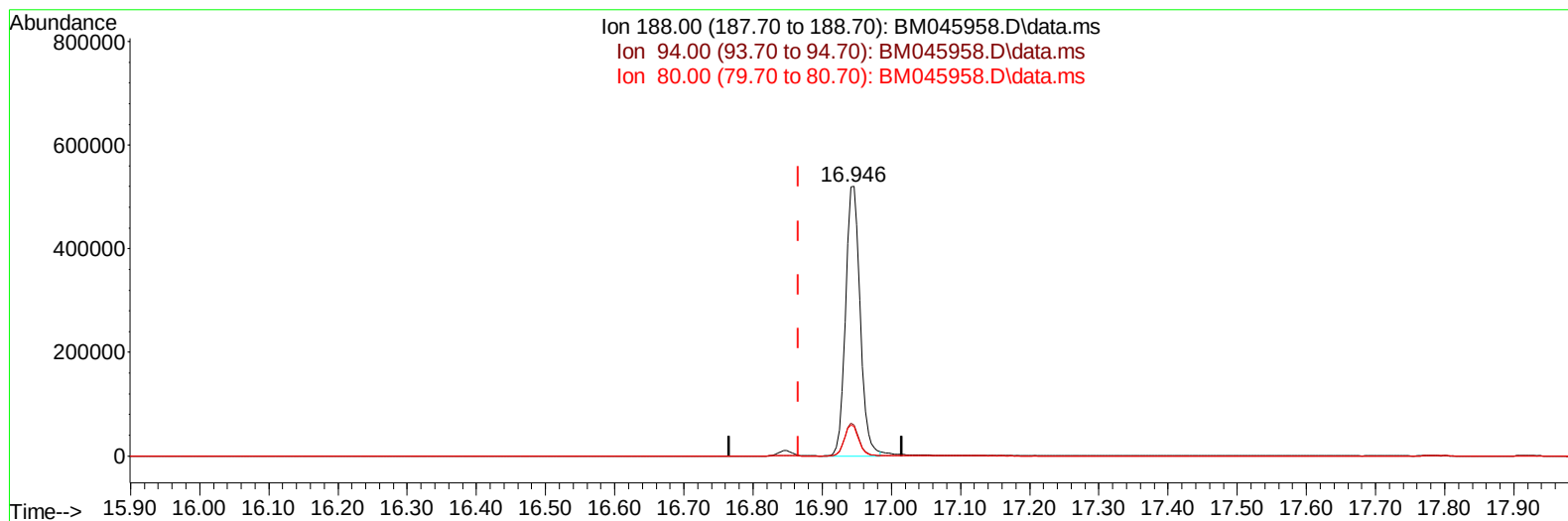
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045958.D
Acq On : 10 Jun 2024 19:34
Operator : MA/JU
Sample : P2642-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH2

Manual IntegrationsAPPROVED

Quant Time: Jun 10 22:48:38 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 : Mon Jun 10 22:47:12 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045958.D\data.ms

(13) Phenanthrene-d10 (I)

16.946min (+ 0.080) 0.40 ng/u1

response 762351

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	11.50
80.00	11.70	10.94
0.00	0.00	0.00

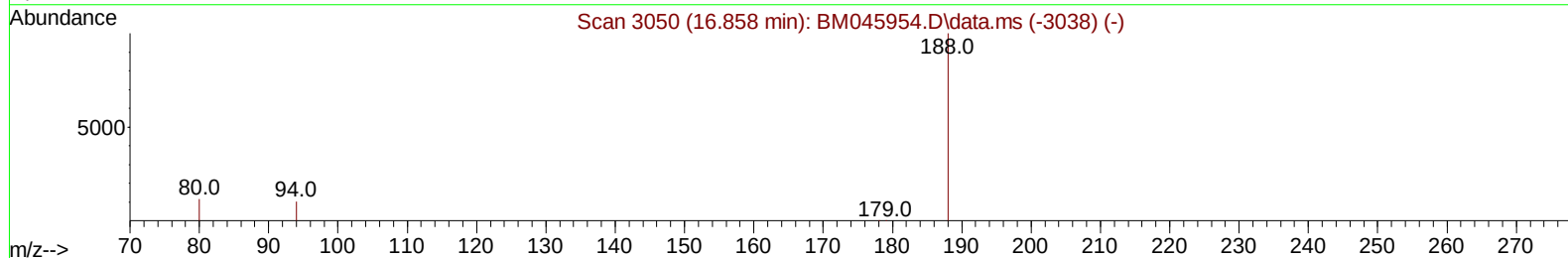
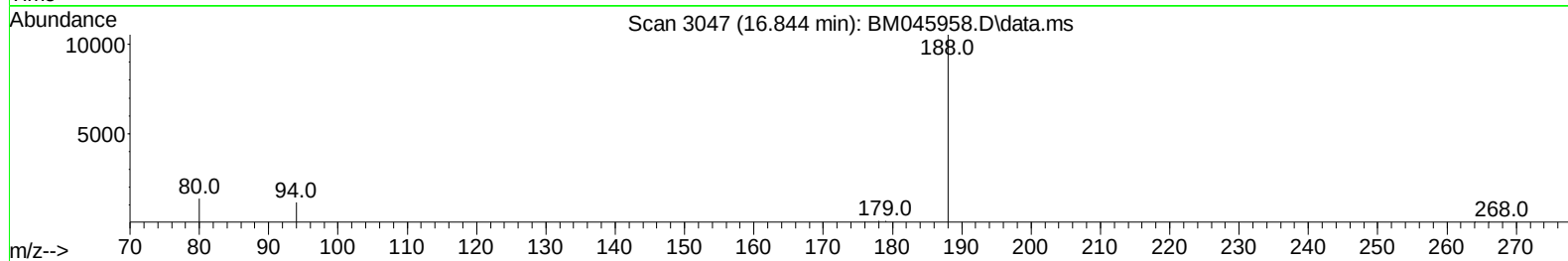
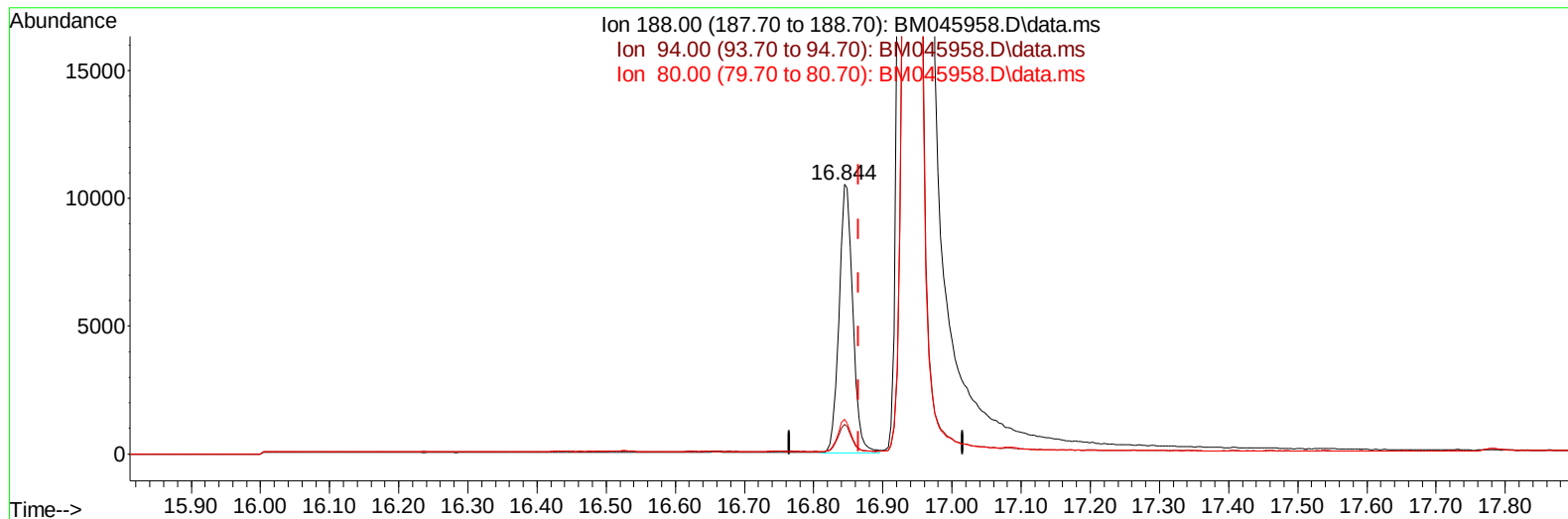
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045958.D
Acq On : 10 Jun 2024 19:34
Operator : MA/JU
Sample : P2642-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH2

Manual IntegrationsAPPROVED

Quant Time: Jun 10 22:48:38 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 : Mon Jun 10 22:47:12 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045958.D\data.ms

(13) Phenanthrene-d10 (I)

16.844min (-0.021) 0.40 ng/ul m

response 14481

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	10.94
80.00	11.70	12.98
0.00	0.00	0.00

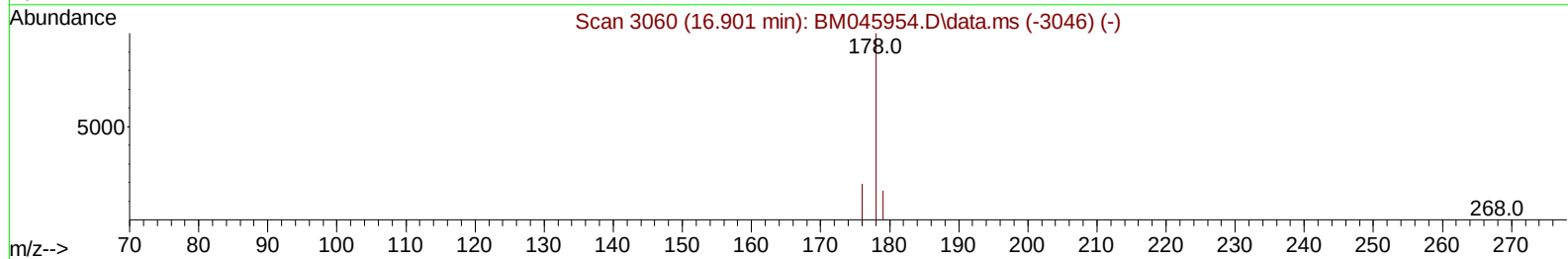
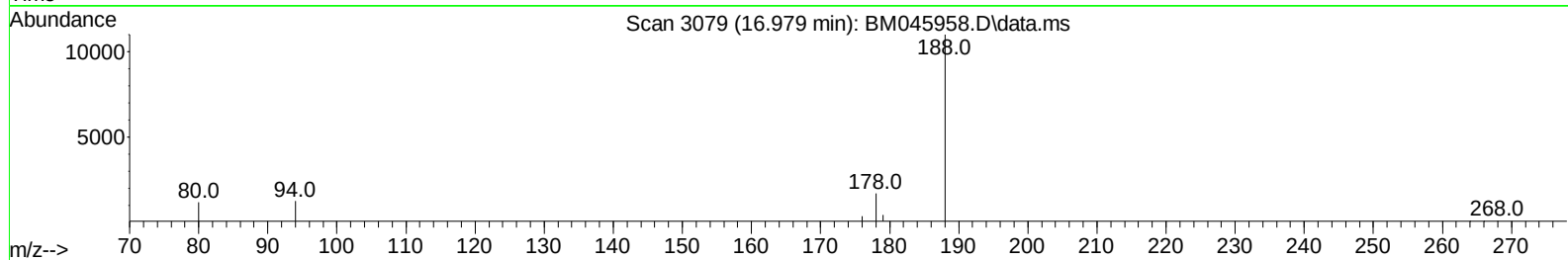
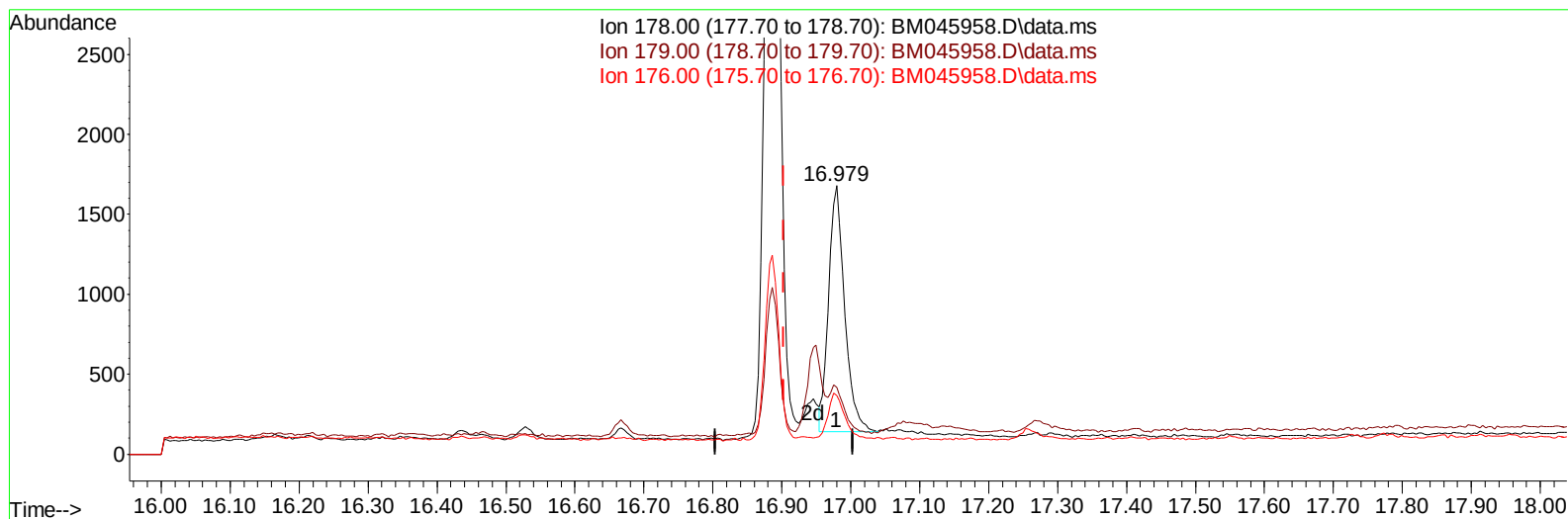
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045958.D
Acq On : 10 Jun 2024 19:34
Operator : MA/JU
Sample : P2642-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH2

Manual IntegrationsAPPROVED

Quant Time: Jun 10 22:48:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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QLast Update : Mon Jun 10 22:47:12 2024
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Supervised By :mohammad ahmed 06/13/2024



TIC: BM045958.D\data.ms

(15) Phenanthrene

16.979min (+ 0.076) 0.06 ng/u1

response 2480

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	24.85#
176.00	19.50	21.93
0.00	0.00	0.00

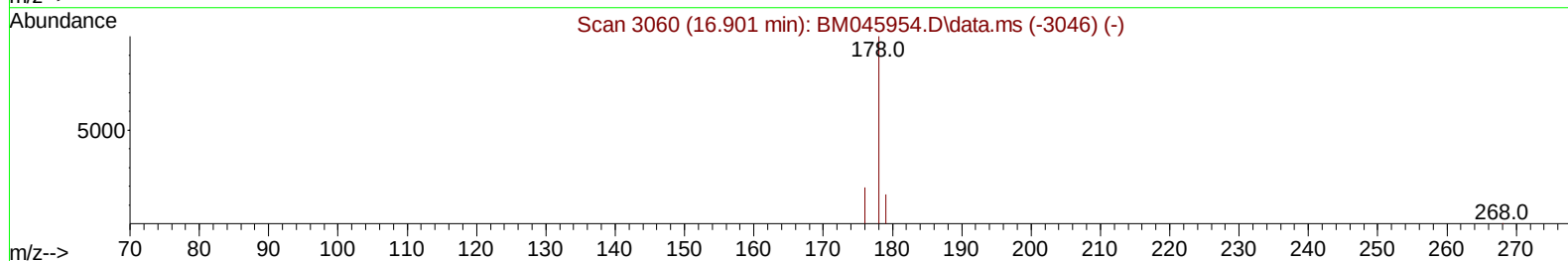
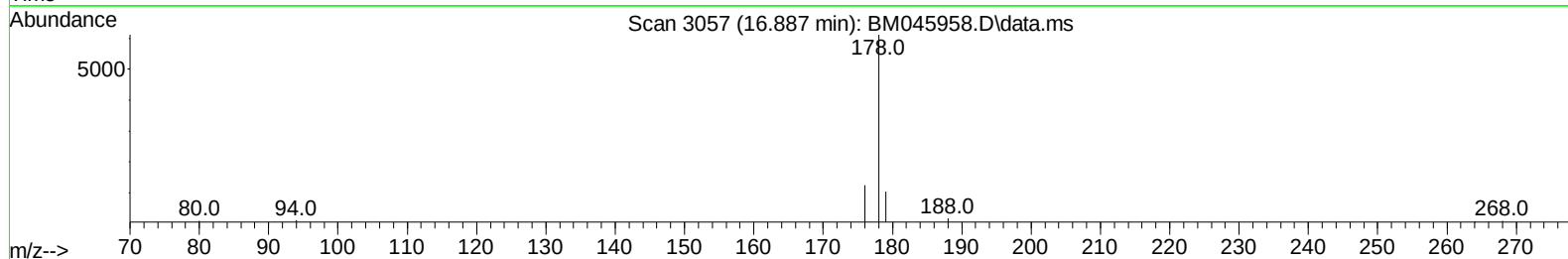
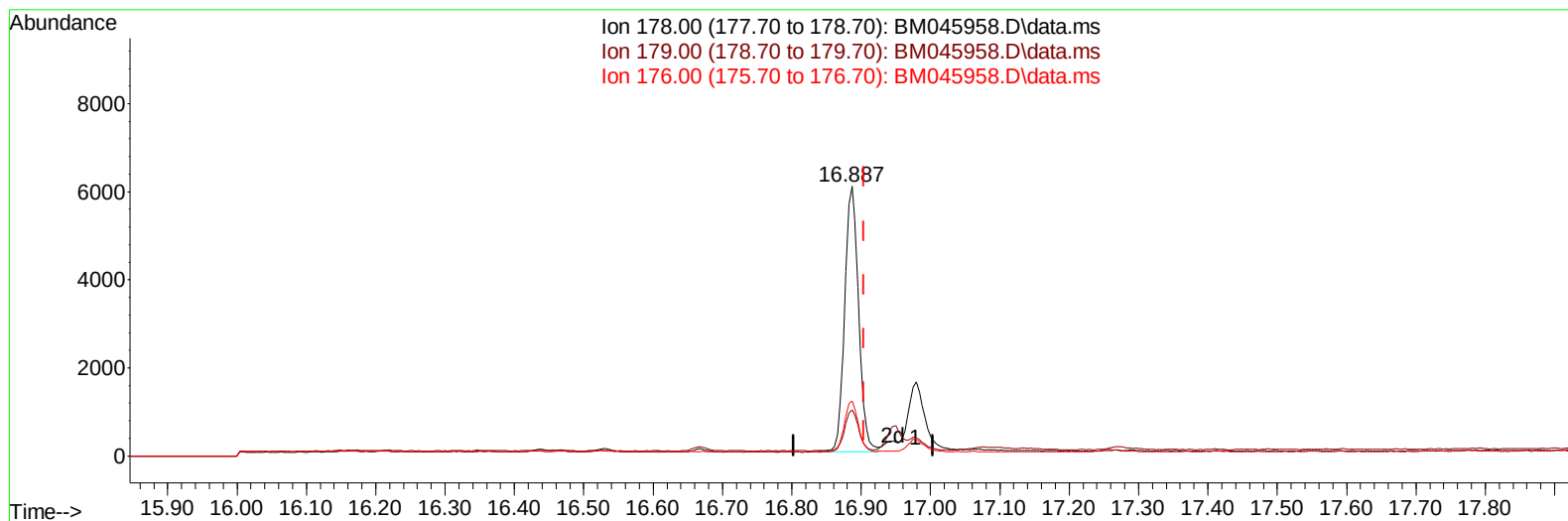
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045958.D
Acq On : 10 Jun 2024 19:34
Operator : MA/JU
Sample : P2642-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH2

Manual IntegrationsAPPROVED

Quant Time: Jun 10 22:48:38 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 : Mon Jun 10 22:47:12 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045958.D\data.ms

(15) Phenanthrene

16.887min (-0.017) 0.21 ng/ul m

response 8438

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	17.01
176.00	19.50	20.36
0.00	0.00	0.00

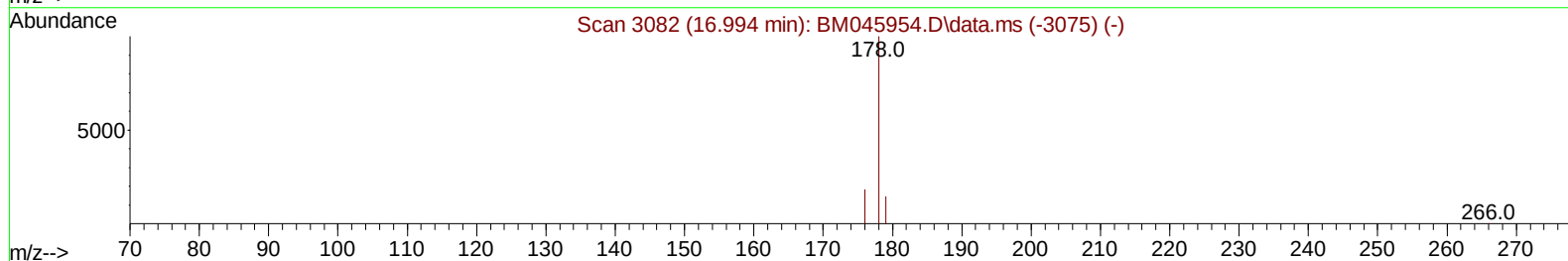
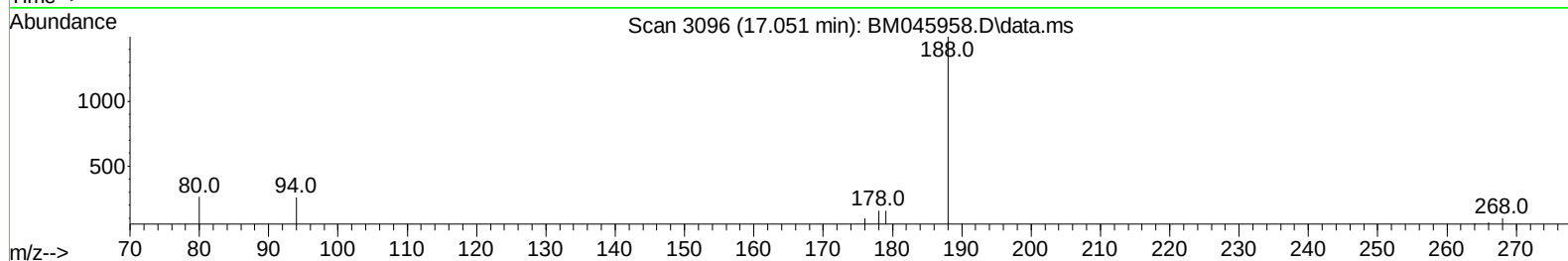
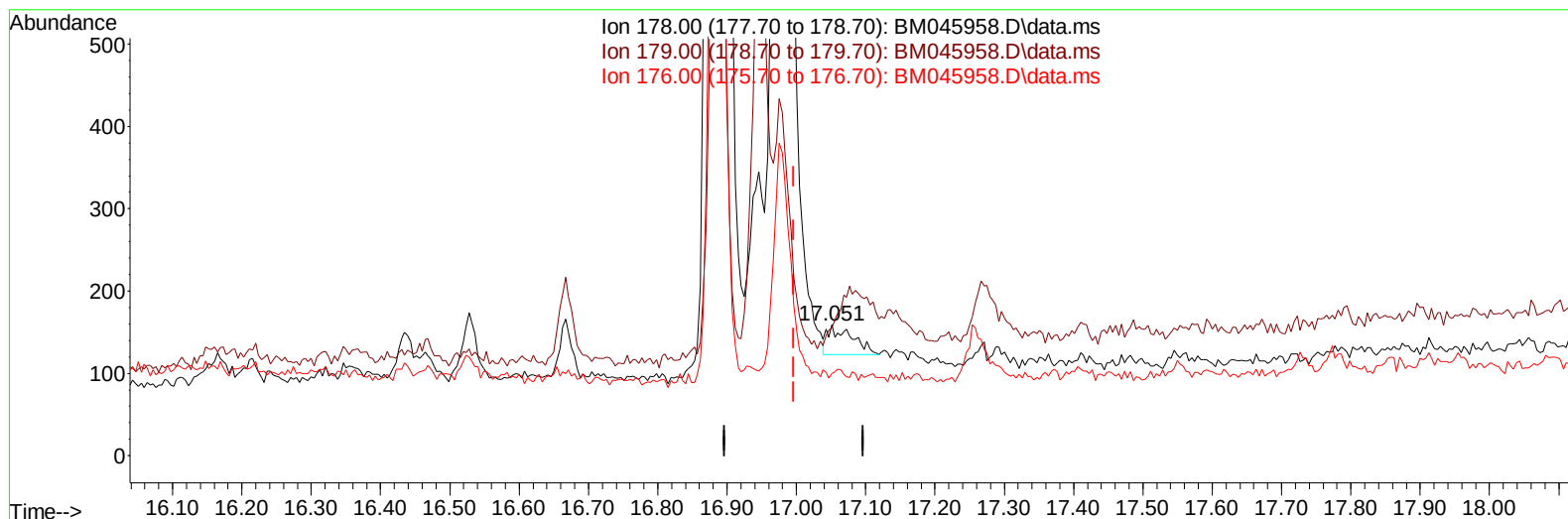
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
 Data File : BM045958.D
 Acq On : 10 Jun 2024 19:34
 Operator : MA/JU
 Sample : P2642-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BH2

Manual IntegrationsAPPROVED

Quant Time: Jun 10 22:48:38 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 : Mon Jun 10 22:47:12 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/11/2024
 Supervised By :mohammad ahmed 06/13/2024



TIC: BM045958.D\data.ms

(16) Anthracene

17.051min (+ 0.055) 0.00 ng/u1

response 87

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	97.48#
176.00	19.40	62.89#
0.00	0.00	0.00

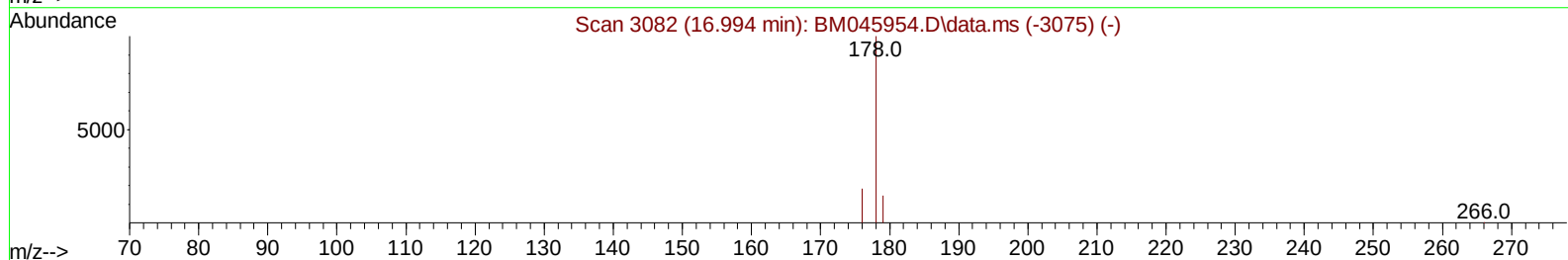
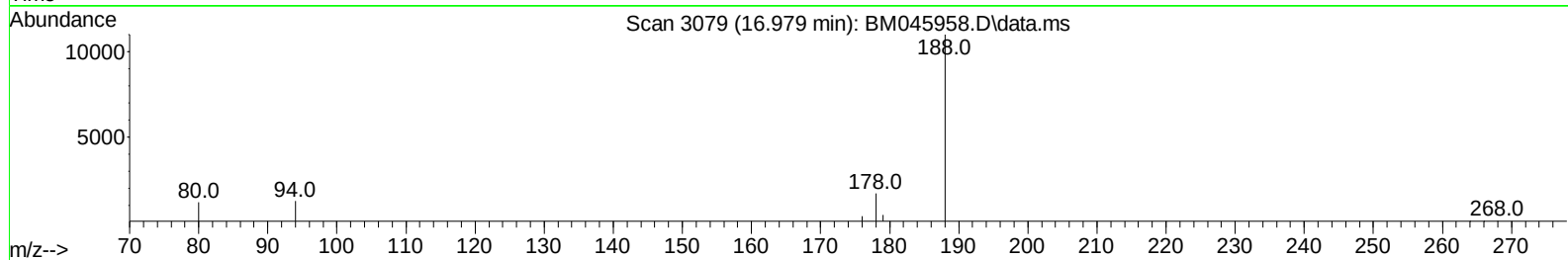
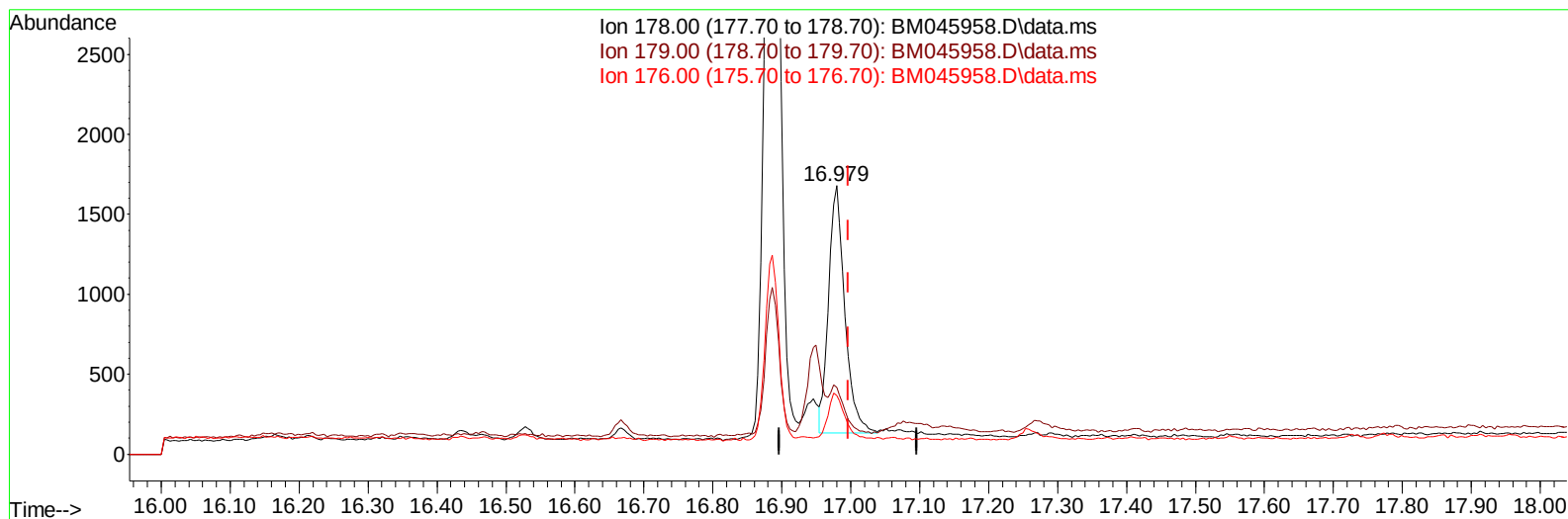
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045958.D
Acq On : 10 Jun 2024 19:34
Operator : MA/JU
Sample : P2642-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH2

Manual IntegrationsAPPROVED

Quant Time: Jun 10 22:48:38 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 : Mon Jun 10 22:47:12 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045958.D\data.ms

(16) Anthracene

16.979min (-0.017) 0.07 ng/ul m

response 2531

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	24.85#
176.00	19.40	21.93
0.00	0.00	0.00

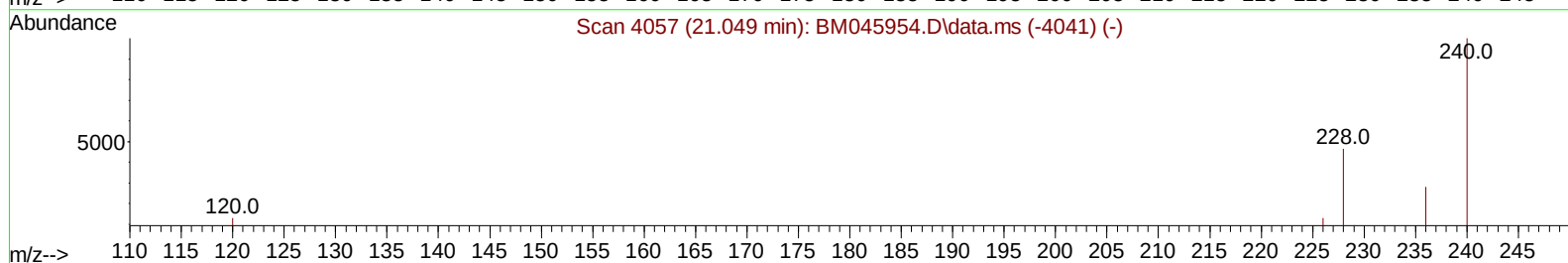
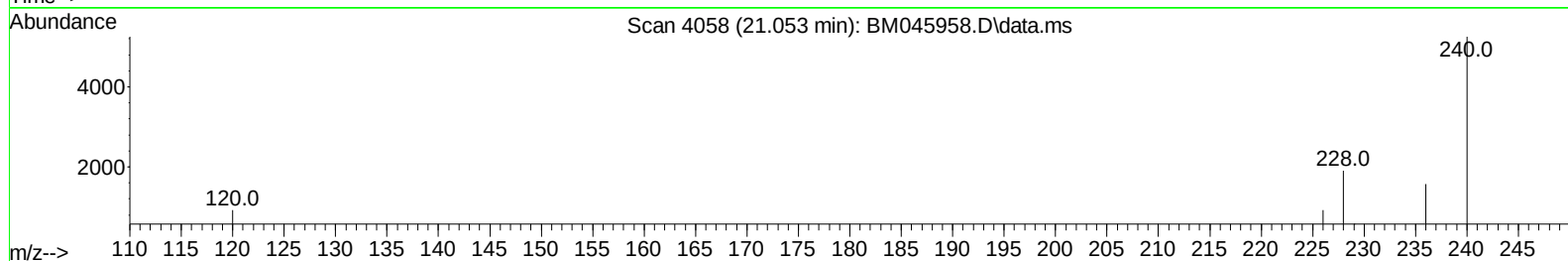
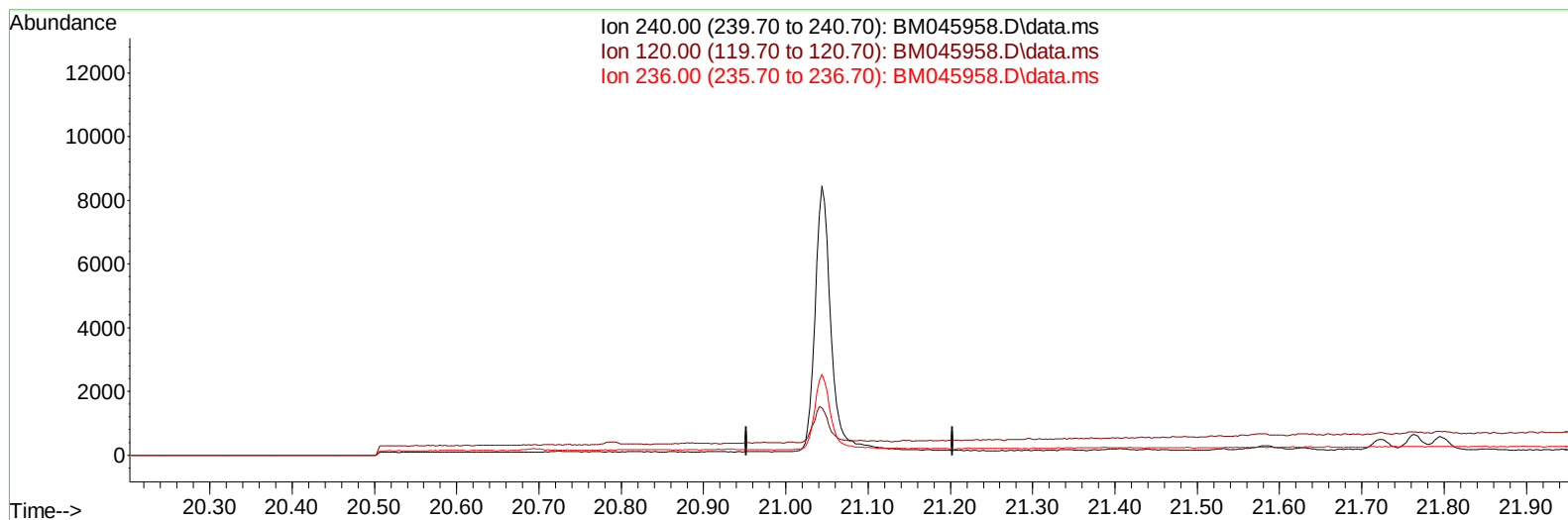
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045958.D
Acq On : 10 Jun 2024 19:34
Operator : MA/JU
Sample : P2642-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH2

Manual IntegrationsAPPROVED

Quant Time: Jun 10 22:48:38 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 : Mon Jun 10 22:47:12 2024
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Reviewed By :Jagrut Upadhyay 06/11/2024
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TIC: BM045958.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

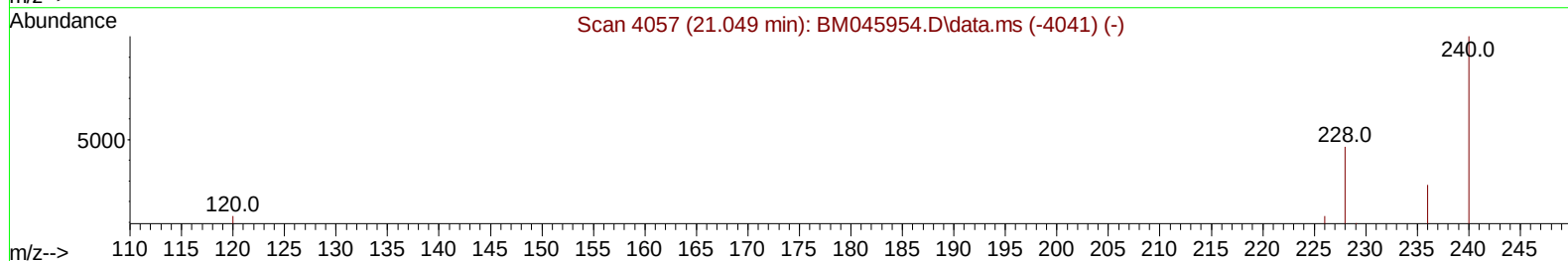
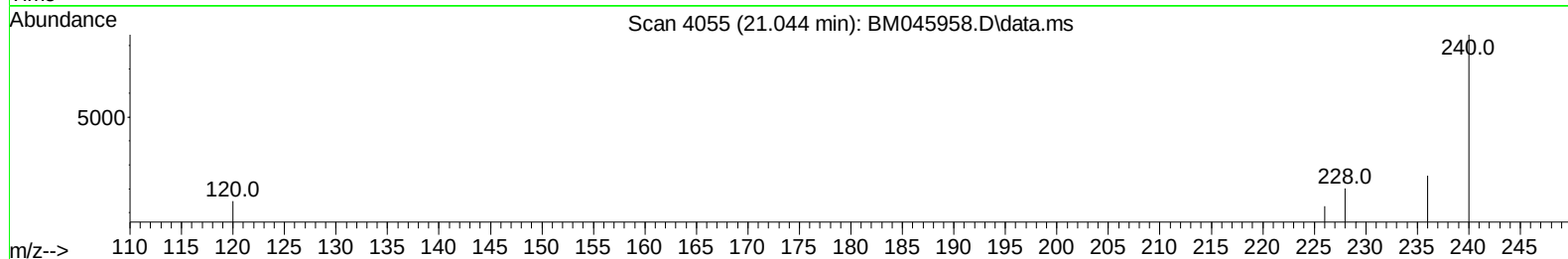
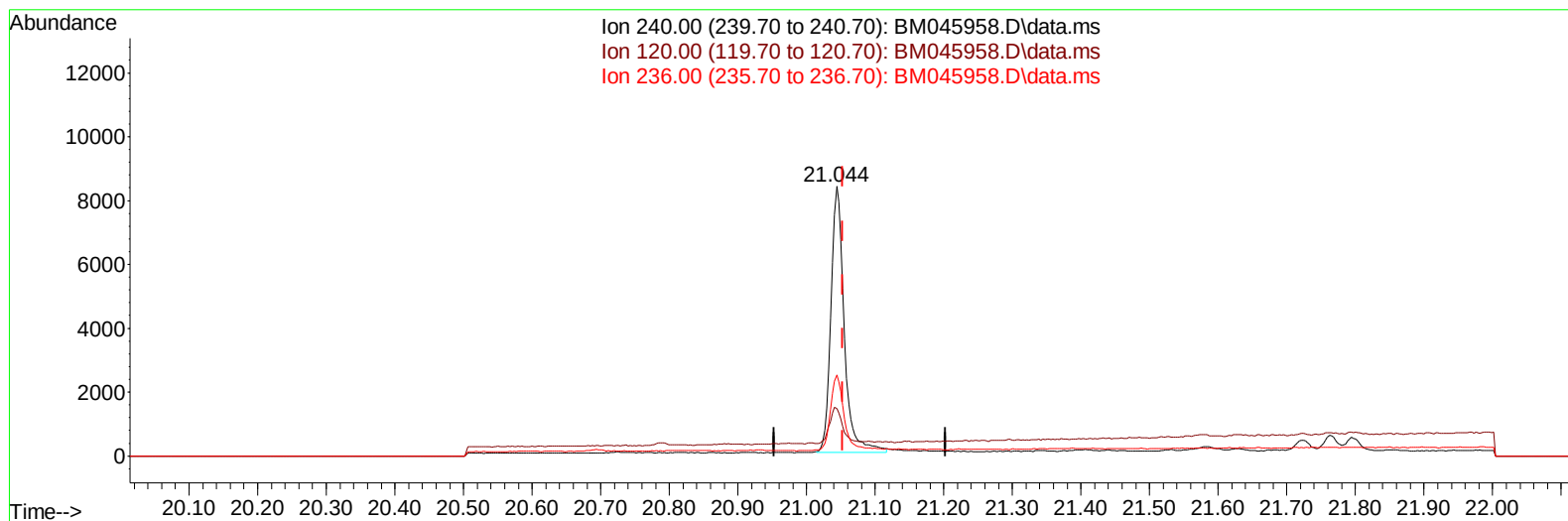
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045958.D
Acq On : 10 Jun 2024 19:34
Operator : MA/JU
Sample : P2642-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH2

Manual IntegrationsAPPROVED

Quant Time: Jun 10 22:48:38 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 : Mon Jun 10 22:47:12 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045958.D\data.ms

(17) Chrysene-d12

21.044min (-0.009) 0.40 ng/ul m

response 11182

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.10	17.49
236.00	29.50	30.06
0.00	0.00	0.00

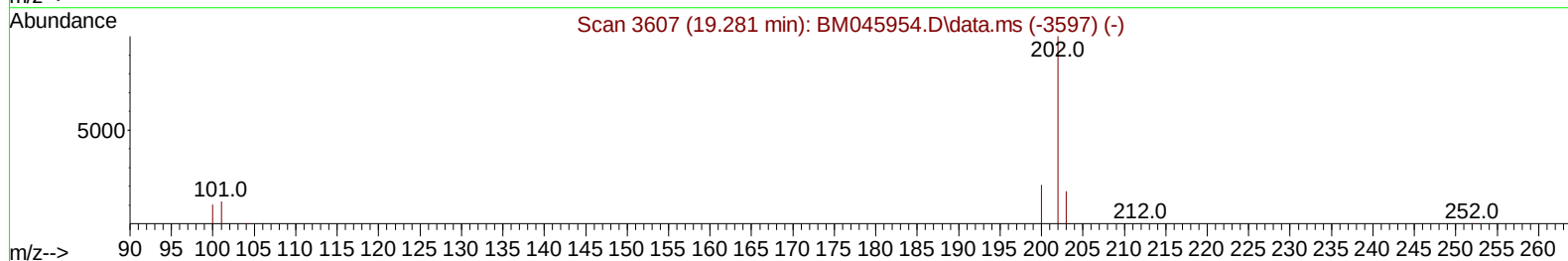
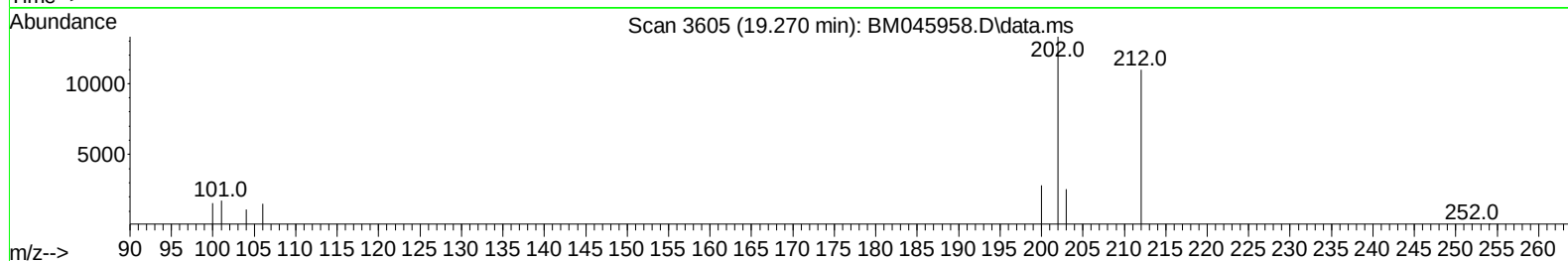
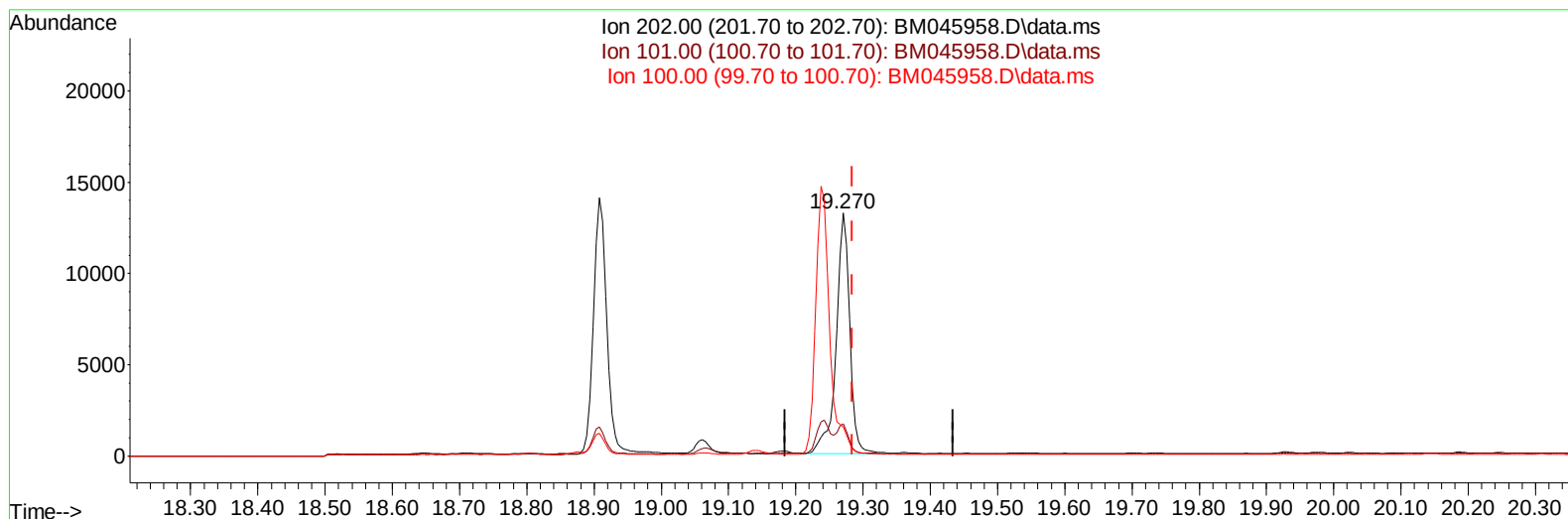
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045958.D
Acq On : 10 Jun 2024 19:34
Operator : MA/JU
Sample : P2642-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH2

Manual IntegrationsAPPROVED

Quant Time: Jun 10 22:48:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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TIC: BM045958.D\data.ms

(20) Pyrene

19.270min (-0.014) 0.40 ng/u1

response 18489

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	13.30	13.13
100.00	11.40	11.90
0.00	0.00	0.00

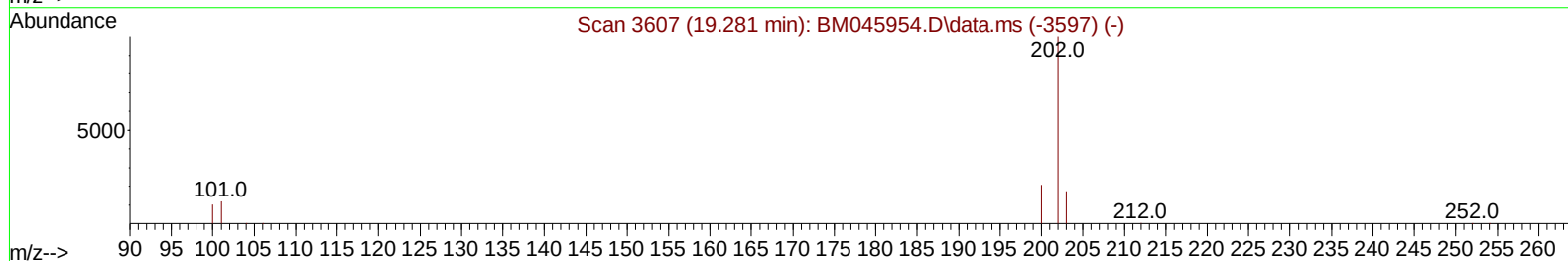
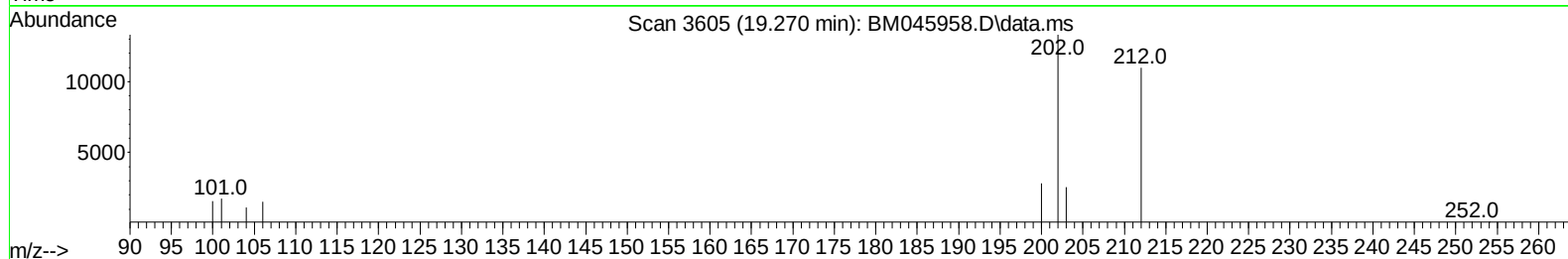
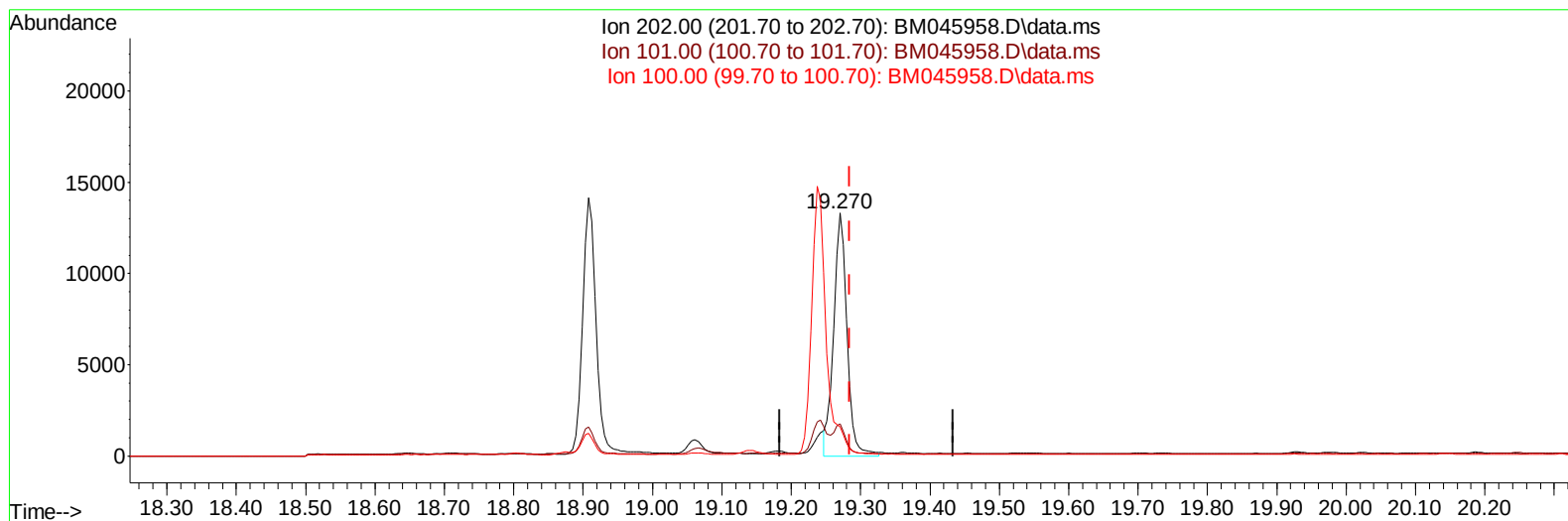
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045958.D
Acq On : 10 Jun 2024 19:34
Operator : MA/JU
Sample : P2642-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH2

Manual IntegrationsAPPROVED

Quant Time: Jun 10 22:48:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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TIC: BM045958.D\data.ms

(20) Pyrene

19.270min (-0.014) 0.39 ng/ul m

response 17910

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	13.30	13.13
100.00	11.40	11.90
0.00	0.00	0.00

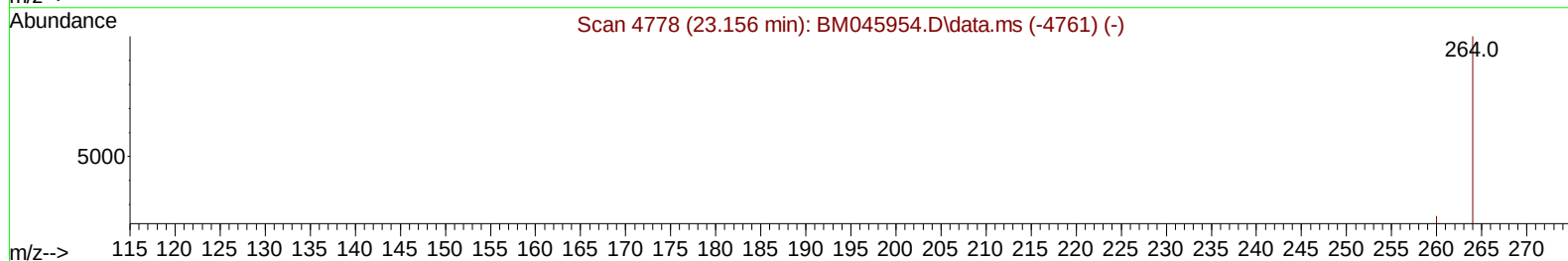
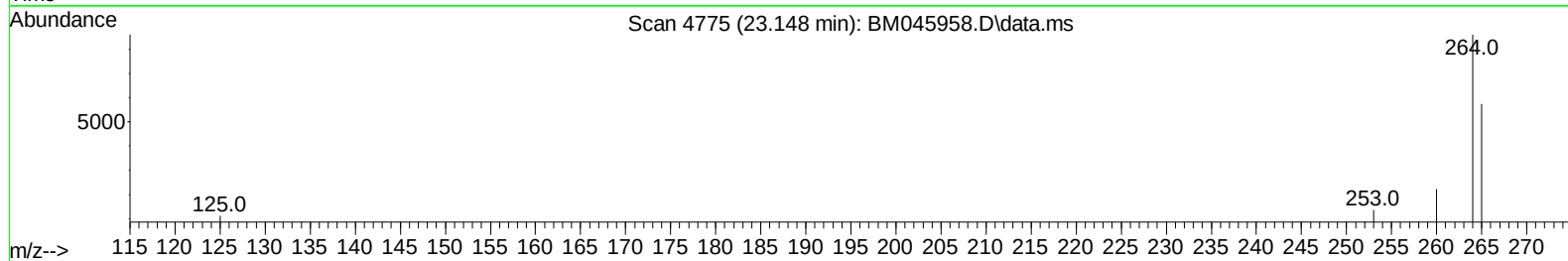
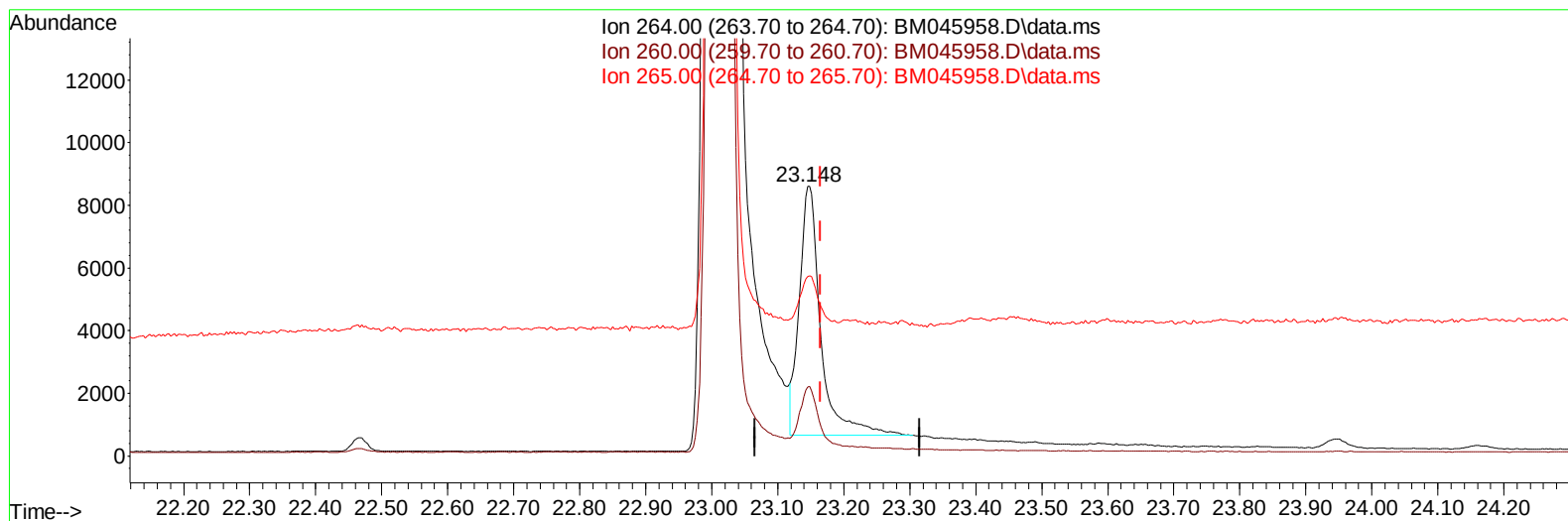
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045958.D
Acq On : 10 Jun 2024 19:34
Operator : MA/JU
Sample : P2642-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH2

Manual IntegrationsAPPROVED

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TIC: BM045958.D\data.ms

(23) Perylene-d12 (I)

23.148min (-0.018) 0.40 ng/u1

response 17964

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	25.91
265.00	76.60	66.84
0.00	0.00	0.00

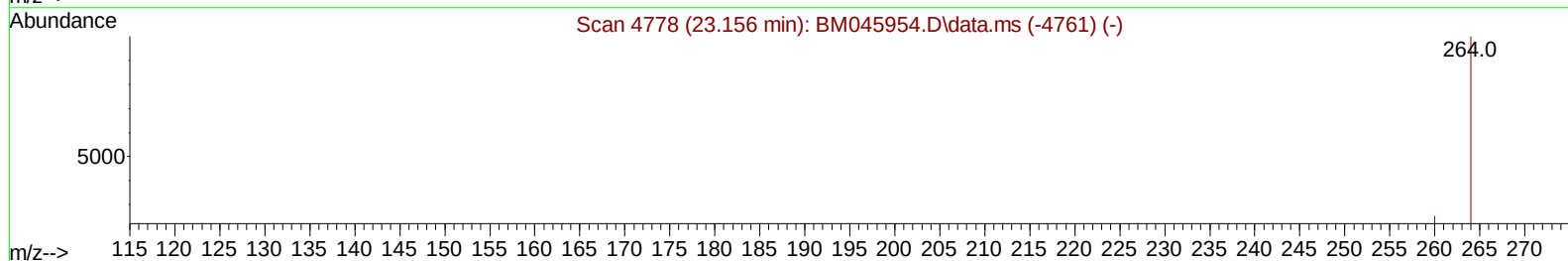
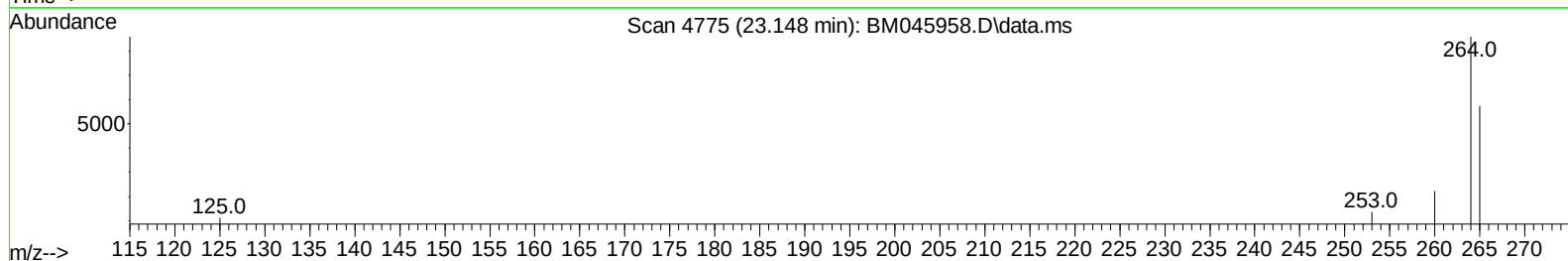
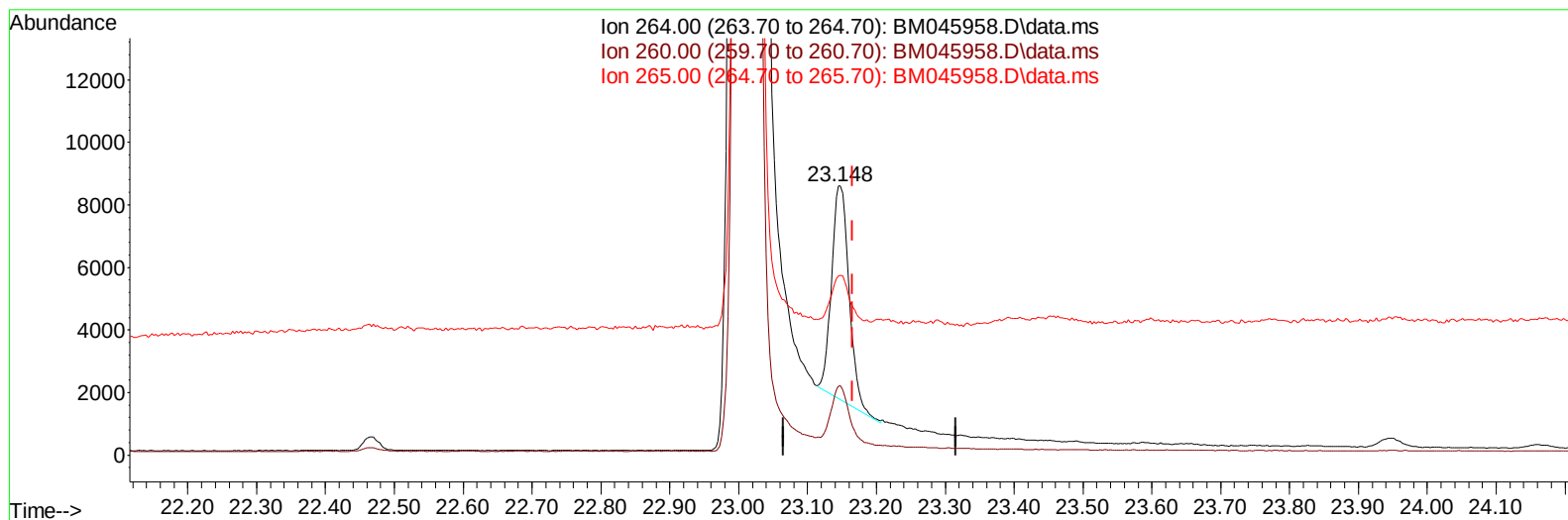
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045958.D
Acq On : 10 Jun 2024 19:34
Operator : MA/JU
Sample : P2642-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH2

Manual IntegrationsAPPROVED

Quant Time: Jun 10 22:48:38 2024
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Supervised By :mohammad ahmed 06/13/2024



TIC: BM045958.D\data.ms

(23) Perylene-d12 (I)

23.148min (-0.018) 0.40 ng/ul m

response 11982

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	25.91
265.00	76.60	66.84
0.00	0.00	0.00

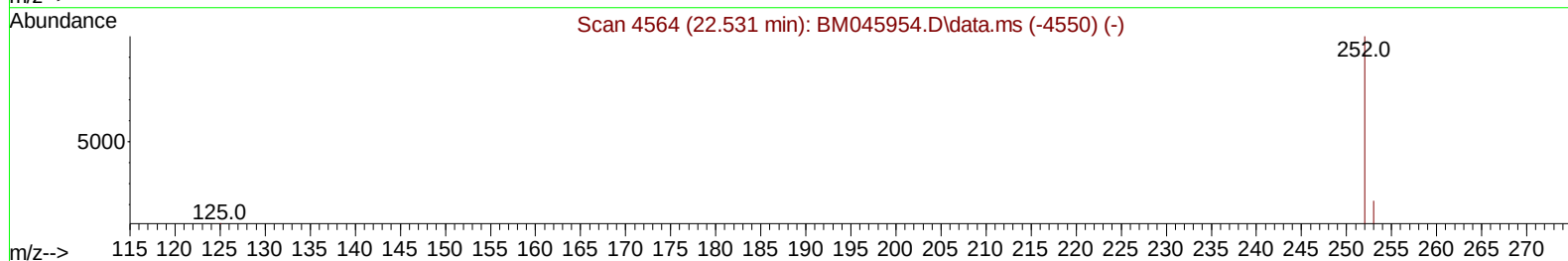
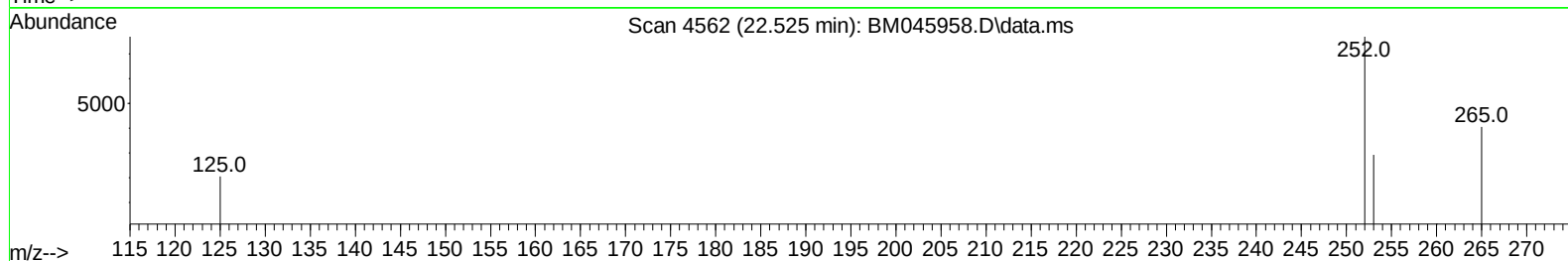
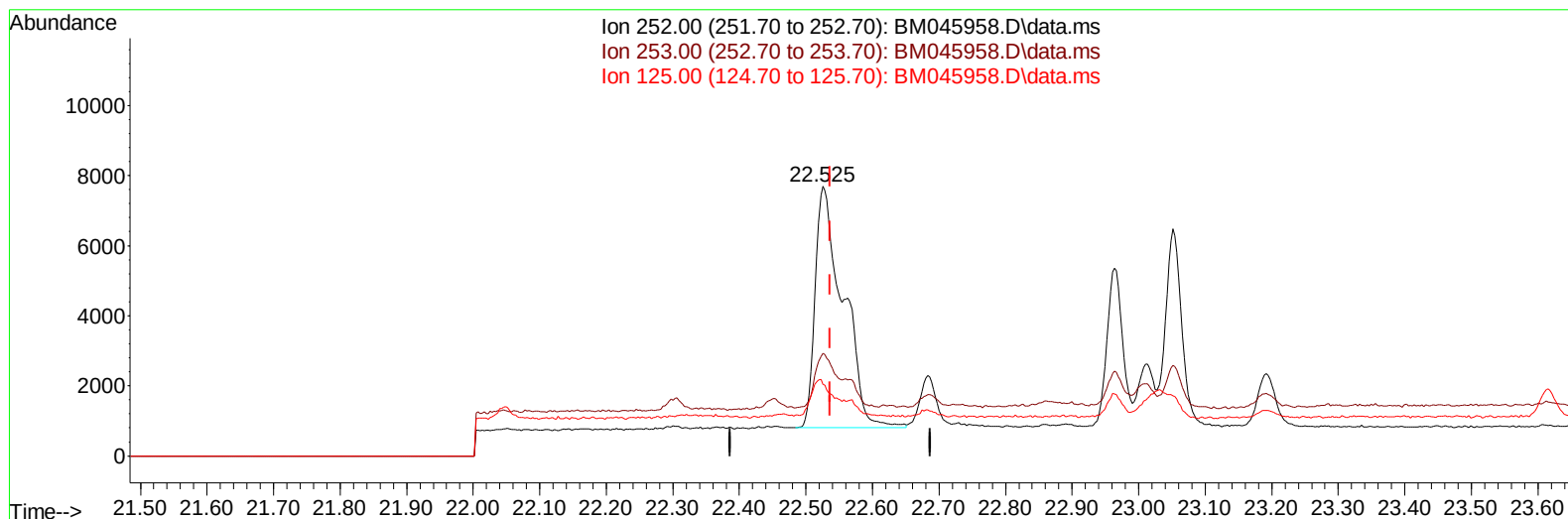
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045958.D
Acq On : 10 Jun 2024 19:34
Operator : MA/JU
Sample : P2642-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH2

Manual IntegrationsAPPROVED

Quant Time: Jun 10 22:48:38 2024
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Response via : Initial Calibration

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Supervised By :mohammad ahmed 06/13/2024



TIC: BM045958.D\data.ms

(24) Benzo(b)fluoranthene

22.525min (-0.012) 0.50 ng/u1

response 20002

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	38.09
125.00	17.90	26.58
0.00	0.00	0.00

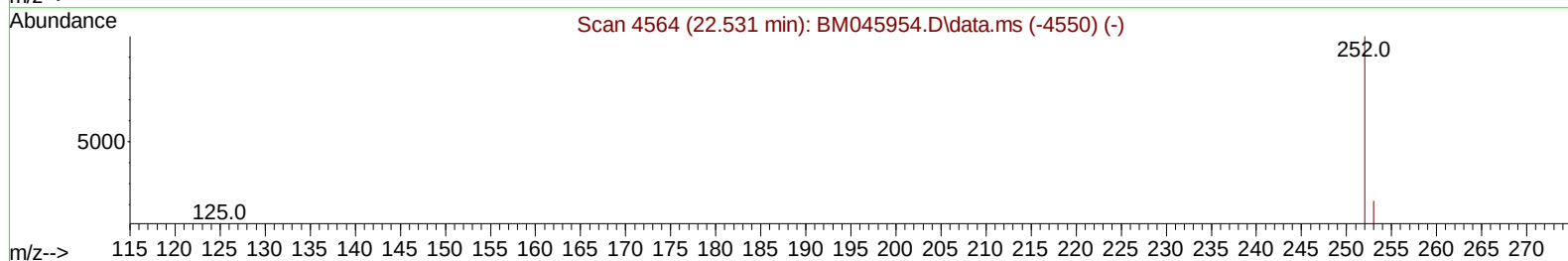
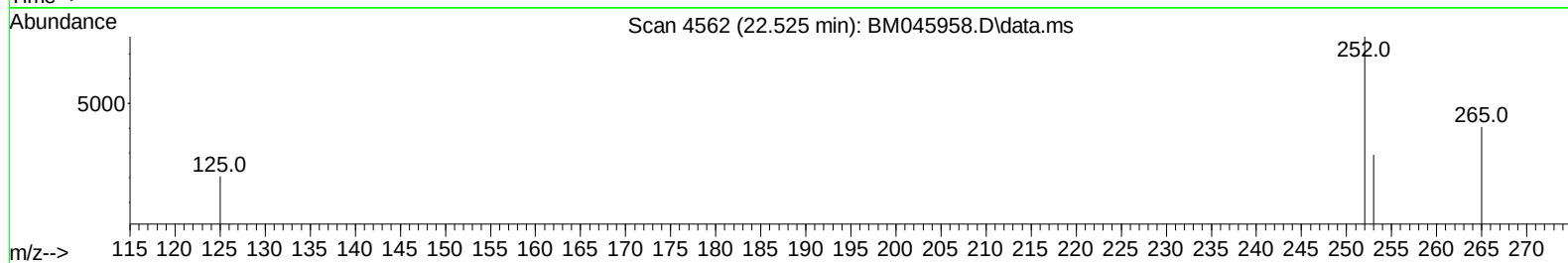
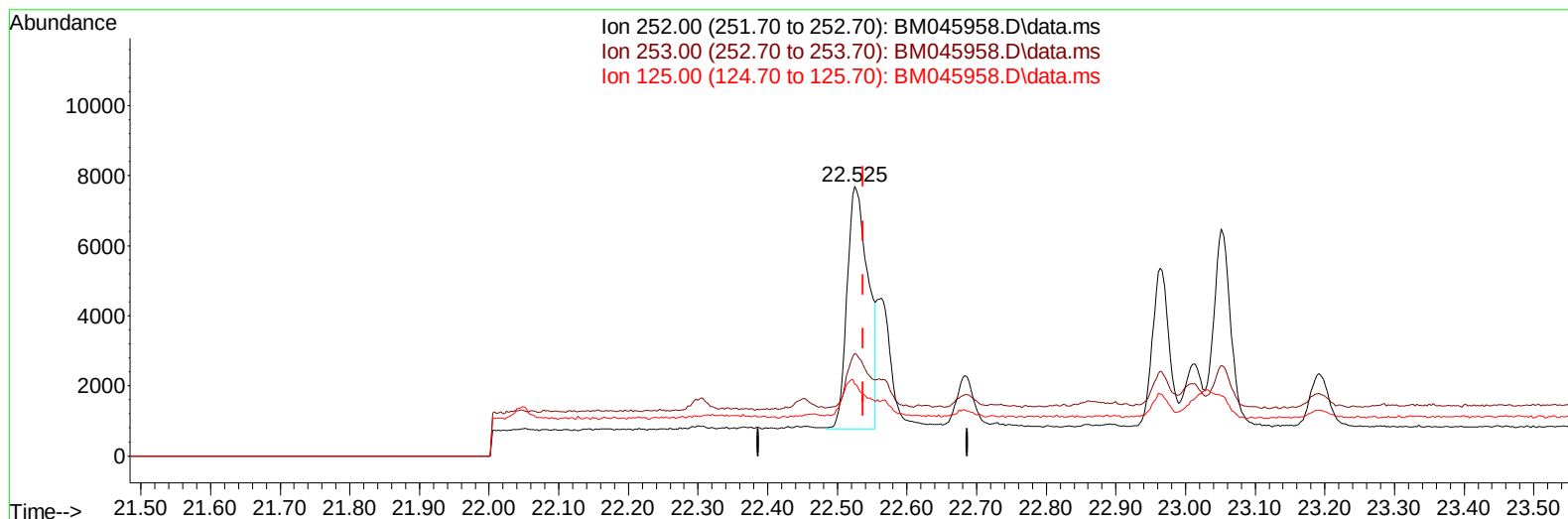
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Data File : BM045958.D
Acq On : 10 Jun 2024 19:34
Operator : MA/JU
Sample : P2642-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH2

Manual IntegrationsAPPROVED

Quant Time: Jun 10 22:48:38 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 : Mon Jun 10 22:47:12 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045958.D\data.ms

(24) Benzo(b)fluoranthene

22.525min (-0.012) 0.37 ng/u1 m

response 14710

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	38.09
125.00	17.90	26.58
0.00	0.00	0.00

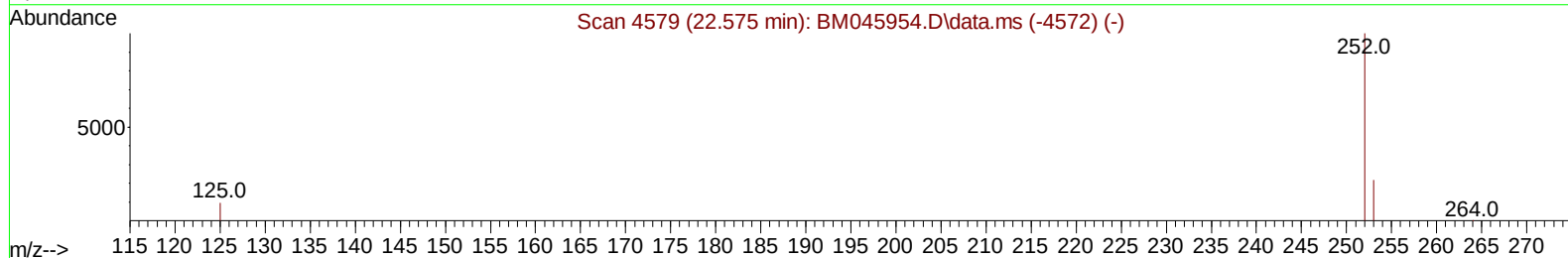
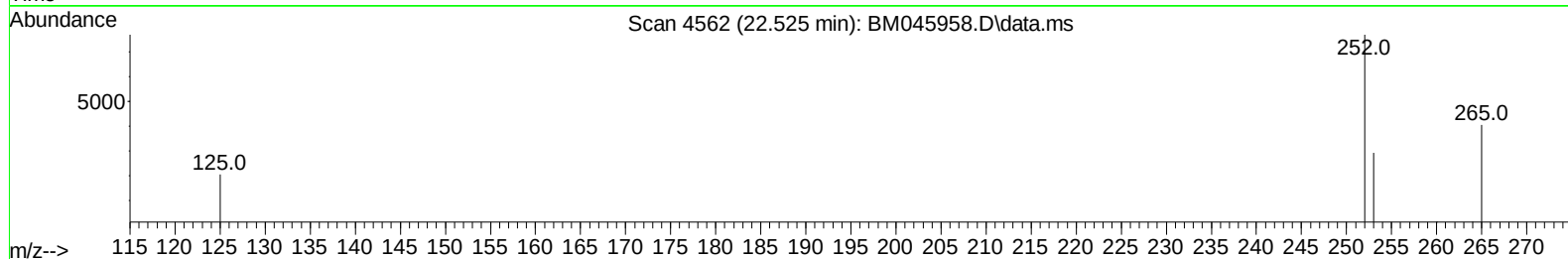
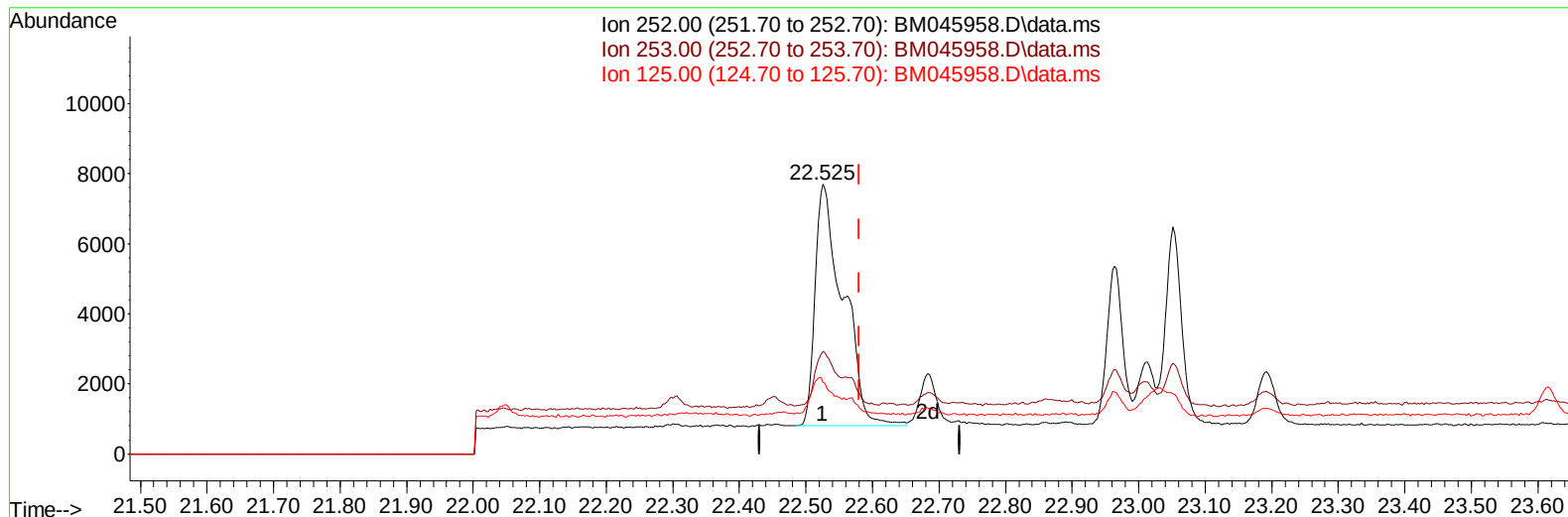
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Data File : BM045958.D
Acq On : 10 Jun 2024 19:34
Operator : MA/JU
Sample : P2642-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH2

Manual IntegrationsAPPROVED

Quant Time: Jun 10 22:48:38 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 : Mon Jun 10 22:47:12 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045958.D\data.ms

(25) Benzo(k)fluoranthene

22.525min (-0.056) 0.46 ng/u1

response 20002

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	38.09#
125.00	17.70	26.58#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
 Data File : BM045958.D
 Acq On : 10 Jun 2024 19:34
 Operator : MA/JU
 Sample : P2642-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BH2

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 06/11/2024
 Supervised By :mohammad ahmed 06/13/2024

Quant Time: Jun 10 22:48:38 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 : Mon Jun 10 22:47:12 2024
 Response via : Initial Calibration

Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.455	152		4467	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.226	136		14312	0.400	ng/ul	-0.03
9) Acenaphthene-d10	14.107	164		7228	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.844	188		14481m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.044	240		11182m	0.400	ng/ul	0.00
23) Perylene-d12	23.148	264		11982m	0.400	ng/ul	-0.02
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.054	96		22154	4.354	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.842	152		4717	0.229	ng/ul	0.00
18) Fluoranthene-d10	18.880	212		9112	0.272	ng/ul	-0.01
Target Compounds							
							Qvalue
10) Acenaphthylene	13.821	152		2800	0.085	ng/ul#	92
12) Fluorene	15.158	166		572	0.021	ng/ul#	95
15) Phenanthrene	16.887	178		8438m	0.208	ng/ul	
16) Anthracene	16.979	178		2531m	0.073	ng/ul	
19) Fluoranthene	18.908	202		19373	0.434	ng/ul	100
20) Pyrene	19.270	202		17910m	0.385	ng/ul	
21) Benzo(a)anthracene	21.026	228		8835	0.215	ng/ul	92
22) Chrysene	21.079	228		10228	0.229	ng/ul	95
24) Benzo(b)fluoranthene	22.525	252		14710m	0.370	ng/ul	
25) Benzo(k)fluoranthene	22.563	252		5099m	0.117	ng/ul	
26) Benzo(a)pyrene	23.051	252		9619	0.243	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	25.212	276		8189	0.160	ng/ul#	90
28) Dibenzo(a,h)anthracene	25.219	278		1915	0.047	ng/ul#	20
29) Benzo(g,h,i)perylene	25.836	276		8275	0.188	ng/ul	93

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

