

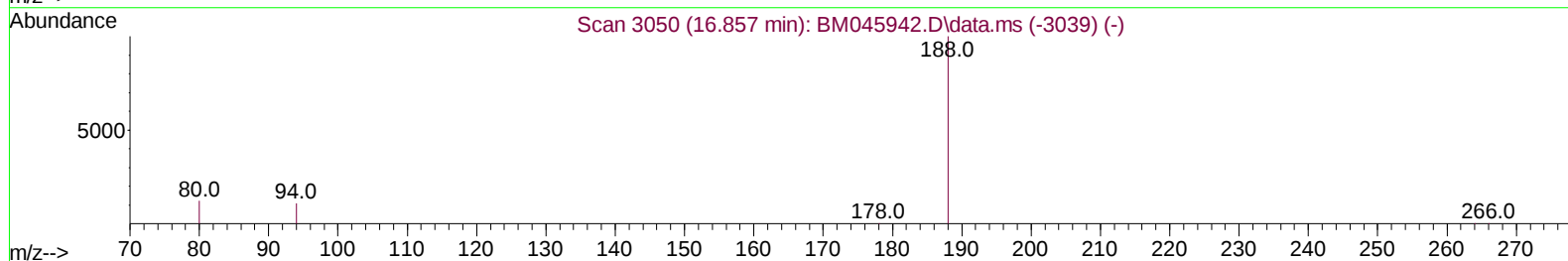
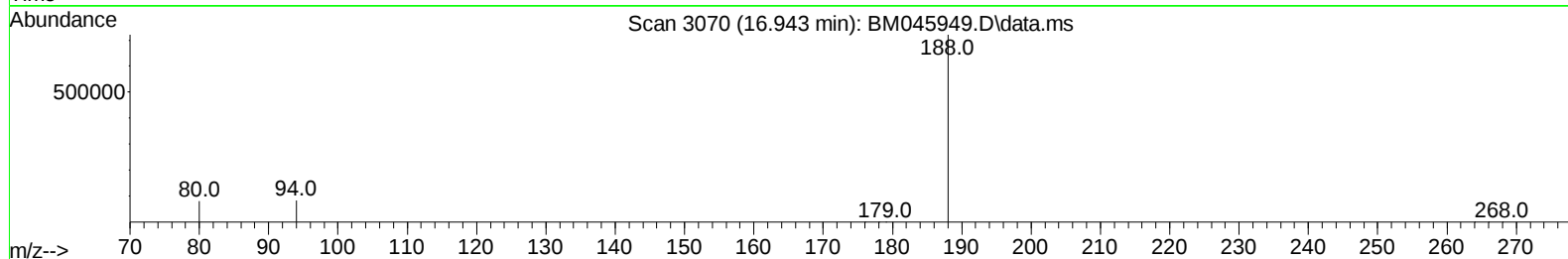
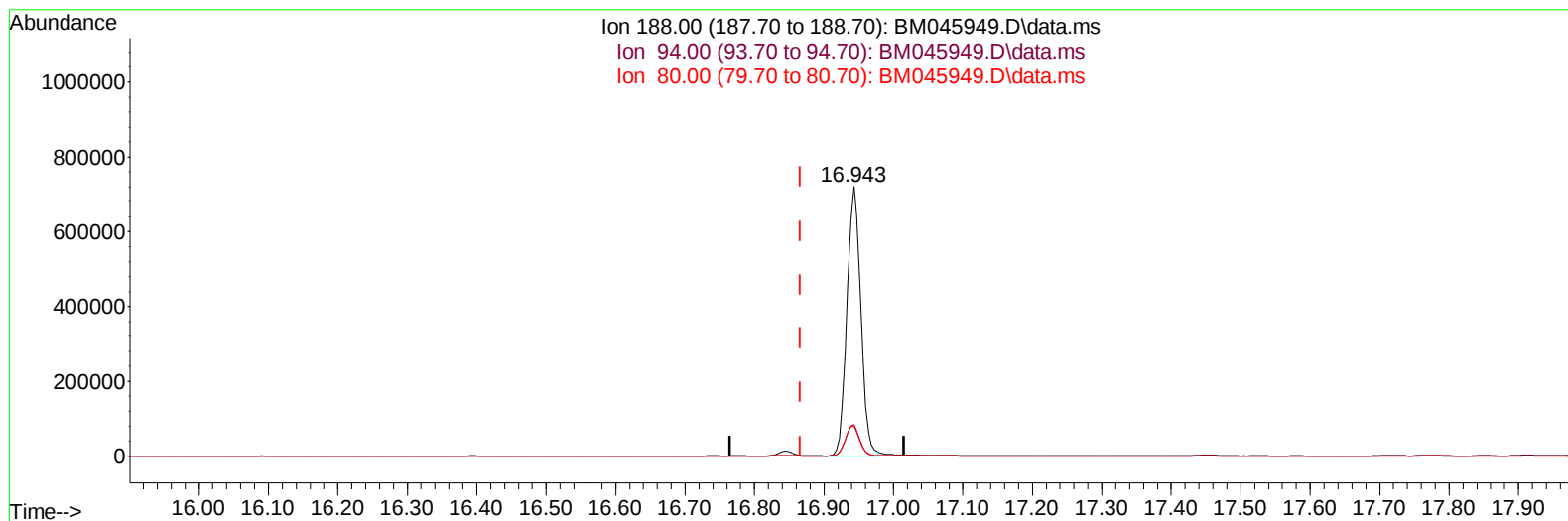
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045949.D
Acq On : 10 Jun 2024 14:07
Operator : MA/JU
Sample : P2642-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B32

Manual IntegrationsAPPROVED

Quant Time: Jun 10 15:00:43 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 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045949.D\data.ms

(13) Phenanthrene-d10 (I)

16.943min (+ 0.077) 0.40 ng/u1

response 991750

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	11.59
80.00	11.70	11.04
0.00	0.00	0.00

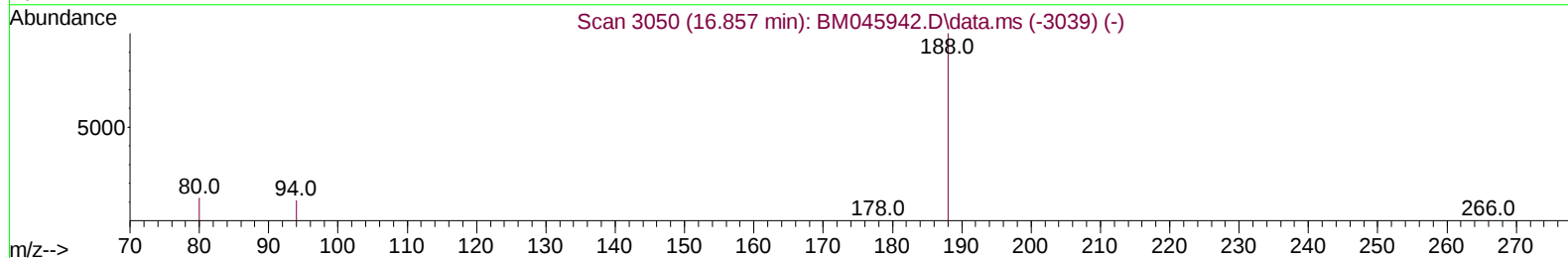
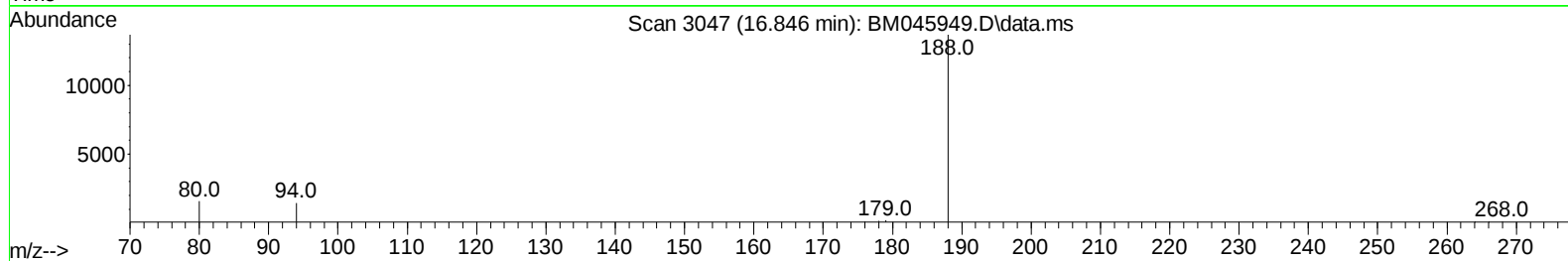
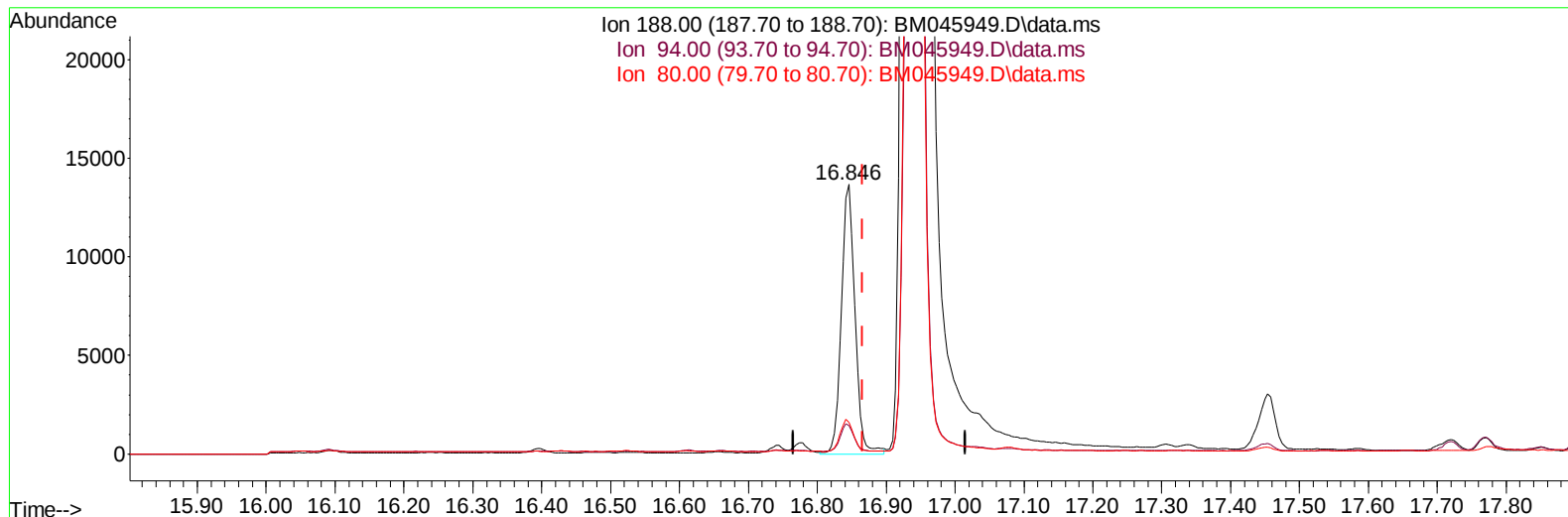
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045949.D
Acq On : 10 Jun 2024 14:07
Operator : MA/JU
Sample : P2642-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B32

Manual IntegrationsAPPROVED

Quant Time: Jun 10 15:00:43 2024
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QLast Update : Fri Jun 07 22:59:16 2024
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TIC: BM045949.D\data.ms

(13) Phenanthrene-d10 (I)

16.846min (-0.020) 0.40 ng/u1 m

response 18829

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	10.61
80.00	11.70	11.63
0.00	0.00	0.00

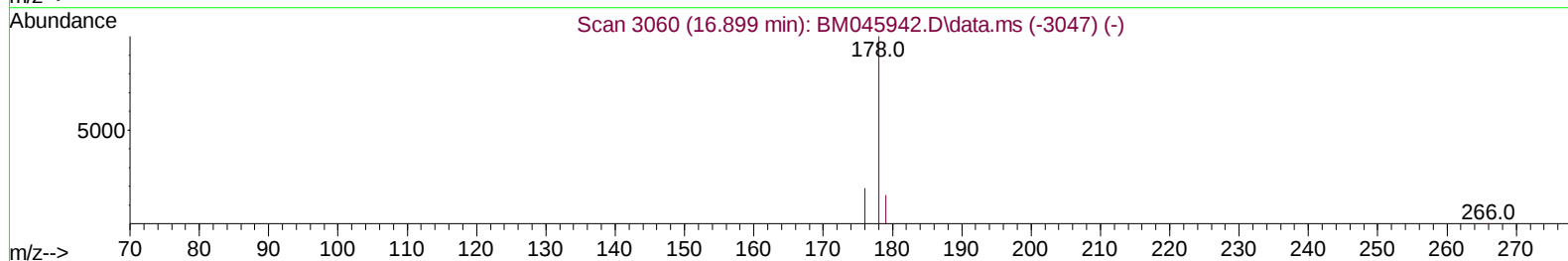
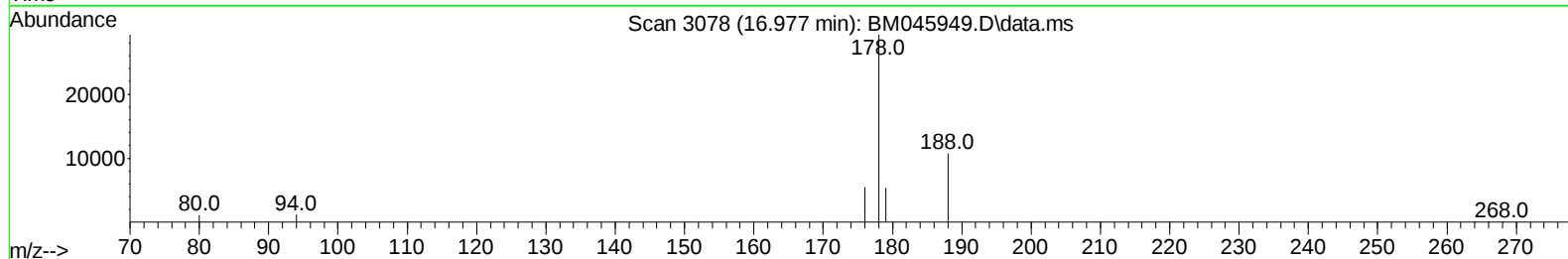
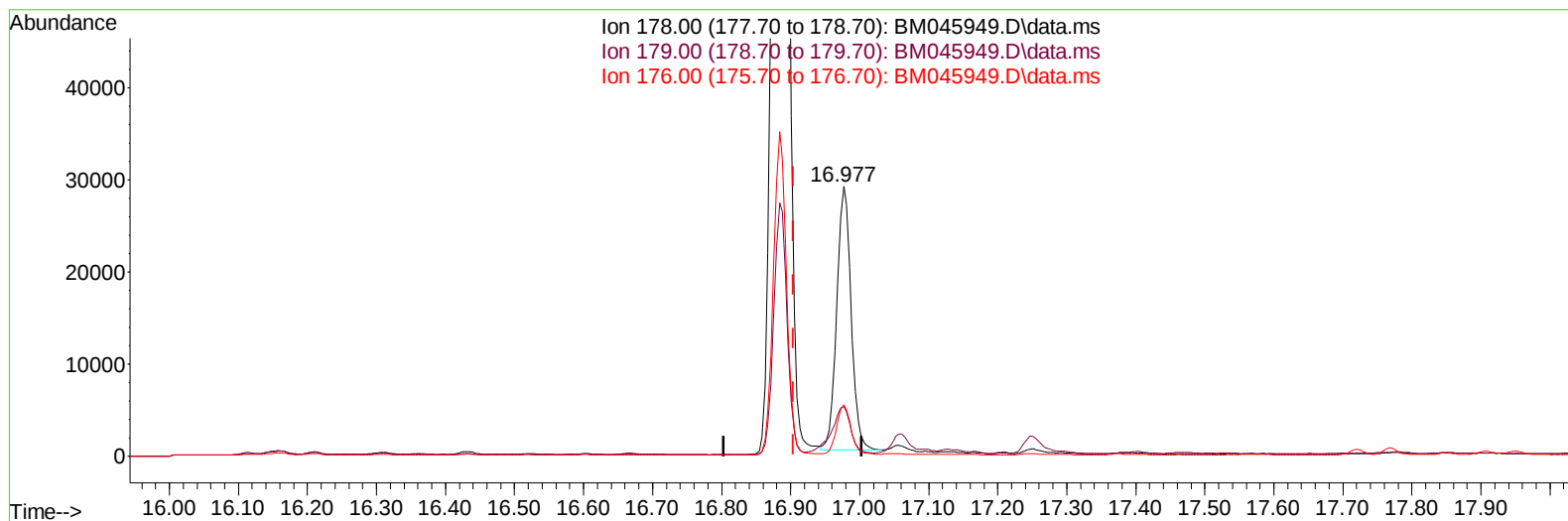
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045949.D
Acq On : 10 Jun 2024 14:07
Operator : MA/JU
Sample : P2642-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B32

Manual IntegrationsAPPROVED

Quant Time: Jun 10 15:00:43 2024
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TIC: BM045949.D\data.ms

(15) Phenanthrene

16.977min (+ 0.073) 0.78 ng/u1

response 41144

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	18.40
176.00	19.50	18.92
0.00	0.00	0.00

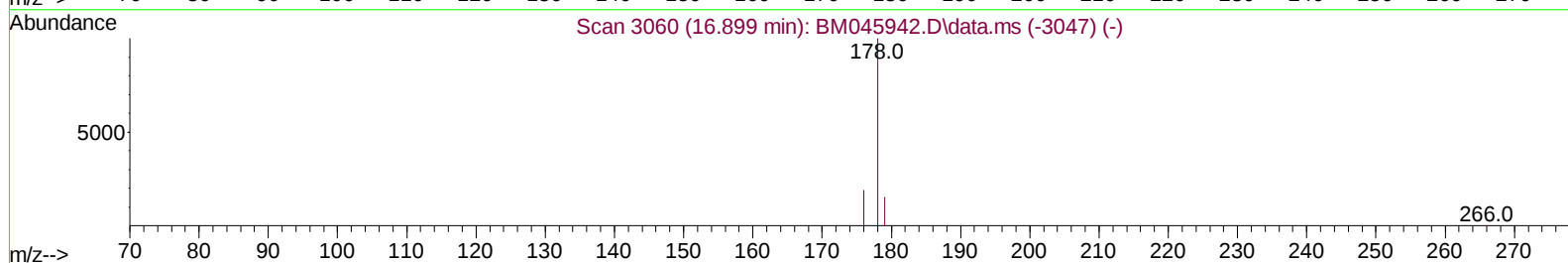
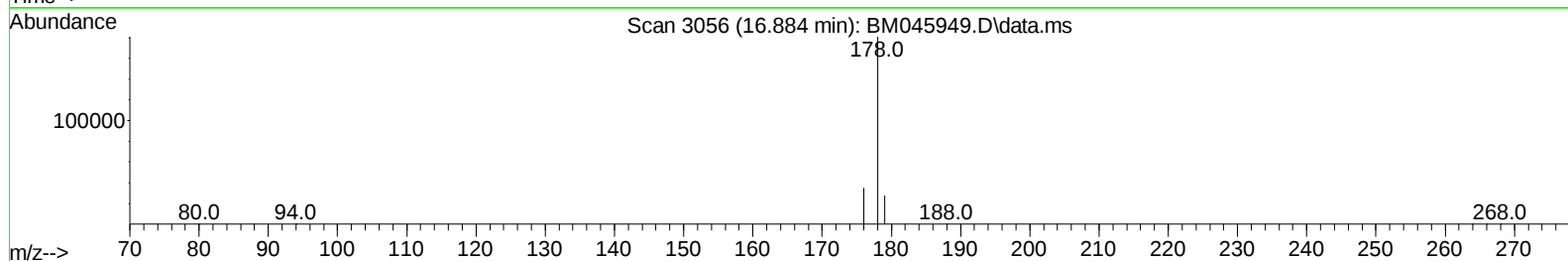
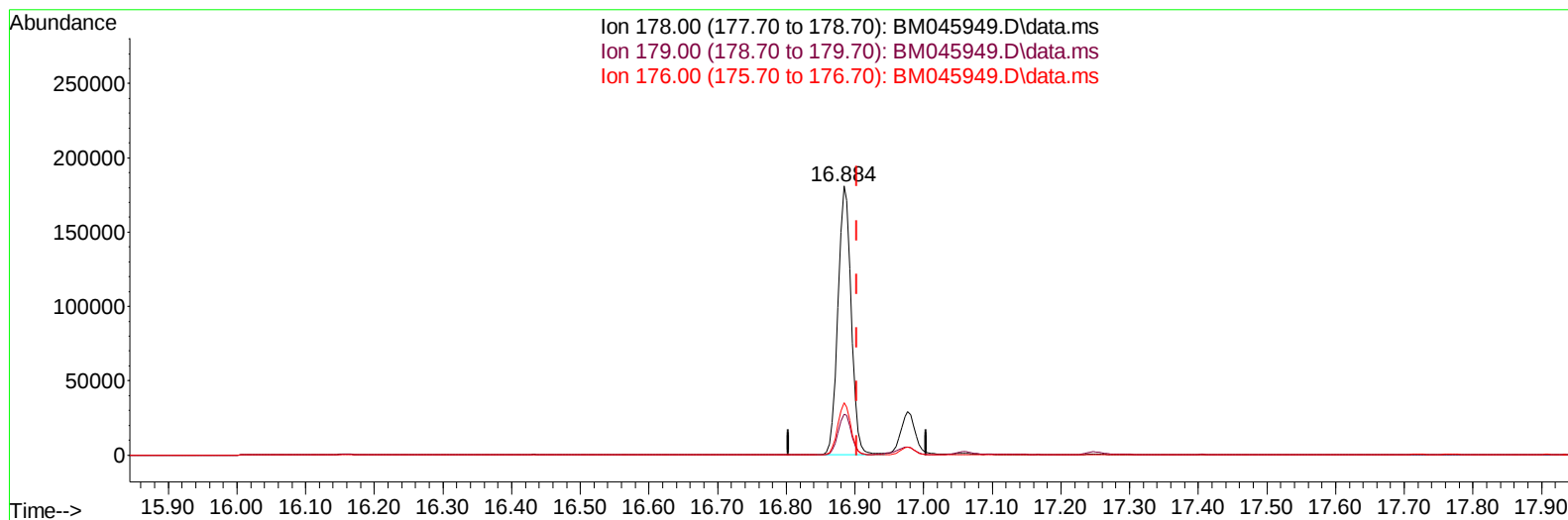
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045949.D
Acq On : 10 Jun 2024 14:07
Operator : MA/JU
Sample : P2642-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B32

Manual IntegrationsAPPROVED

Quant Time: Jun 10 15:00:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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TIC: BM045949.D\data.ms

(15) Phenanthrene

16.884min (-0.020) 4.58 ng/u1 m

response 242057

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	15.22
176.00	19.50	19.46
0.00	0.00	0.00

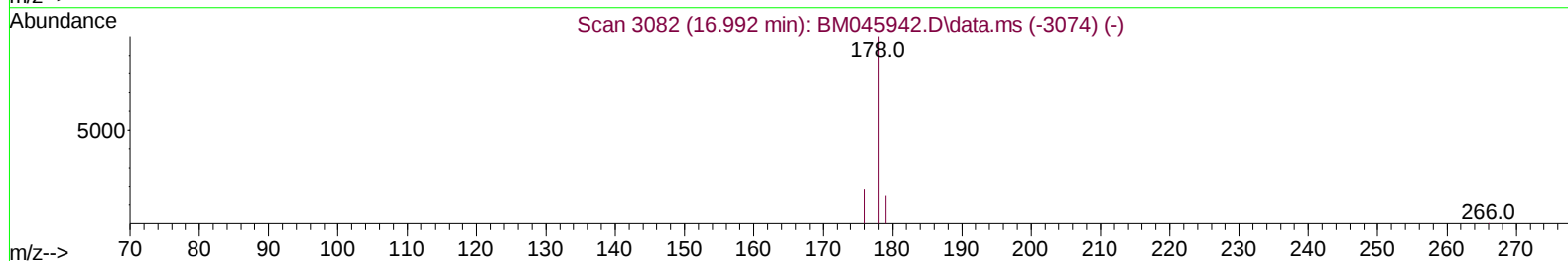
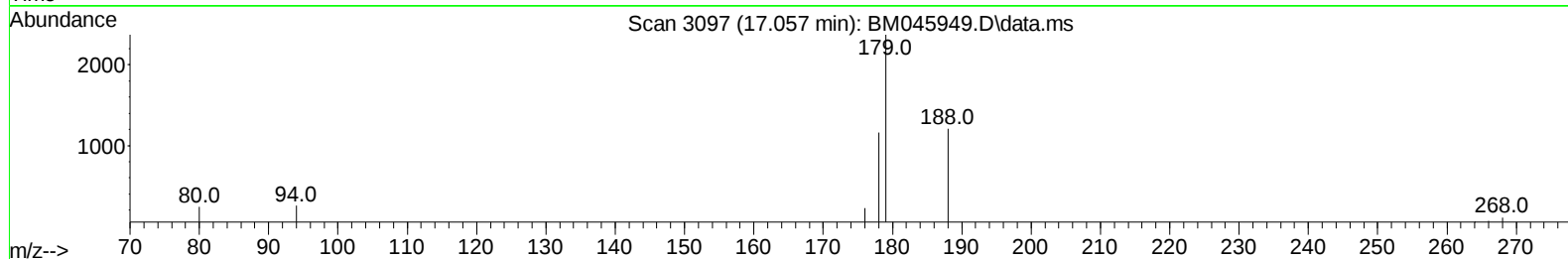
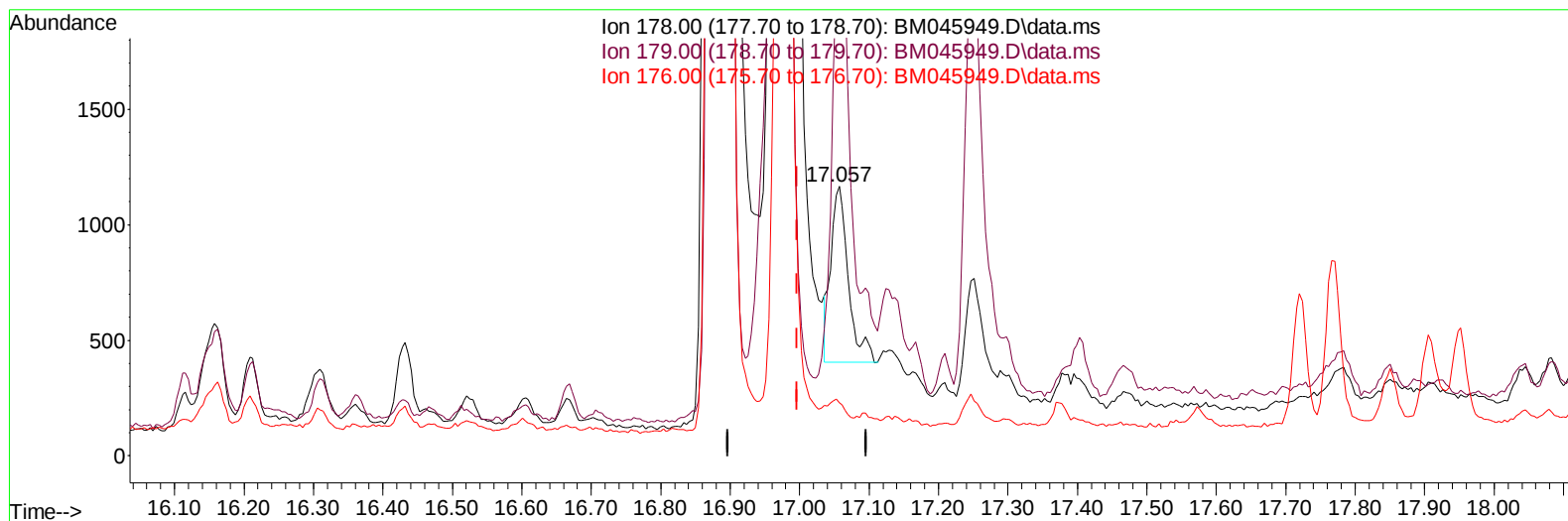
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045949.D
Acq On : 10 Jun 2024 14:07
Operator : MA/JU
Sample : P2642-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B32

Manual IntegrationsAPPROVED

Quant Time: Jun 10 15:00:43 2024
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TIC: BM045949.D\data.ms

(16) Anthracene

17.057min (+ 0.060) 0.03 ng/u1

response 1326

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	203.52#
176.00	19.40	19.64
0.00	0.00	0.00

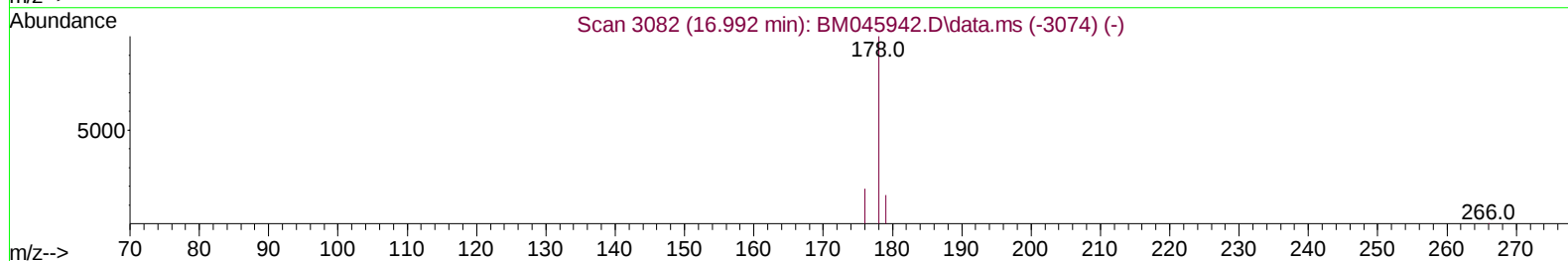
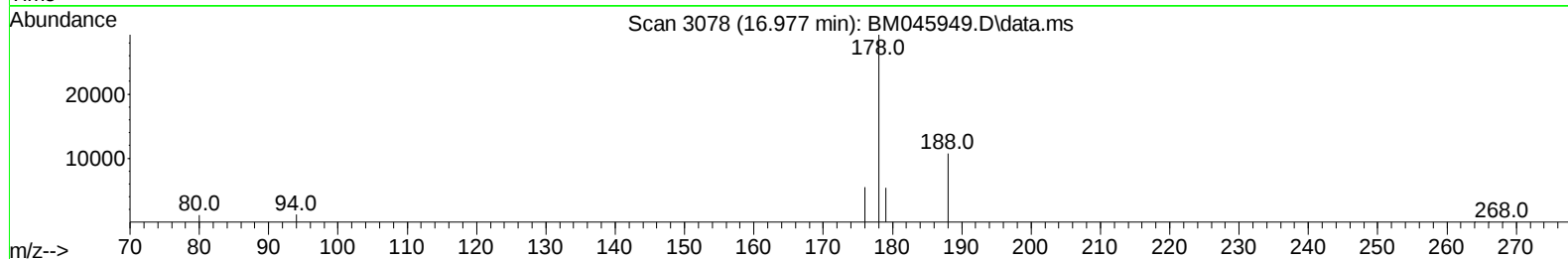
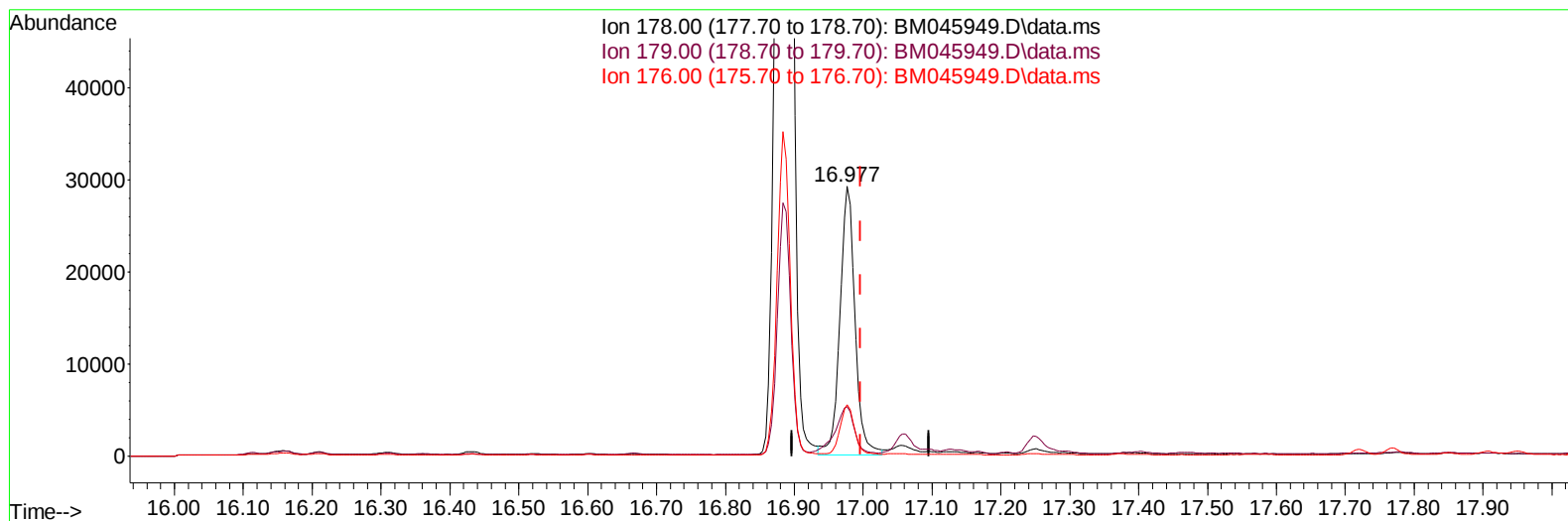
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Data File : BM045949.D
Acq On : 10 Jun 2024 14:07
Operator : MA/JU
Sample : P2642-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B32

Manual IntegrationsAPPROVED

Quant Time: Jun 10 15:00:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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TIC: BM045949.D\data.ms

(16) Anthracene

16.977min (-0.020) 0.98 ng/u1 m

response 44316

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	18.40
176.00	19.40	18.92
0.00	0.00	0.00

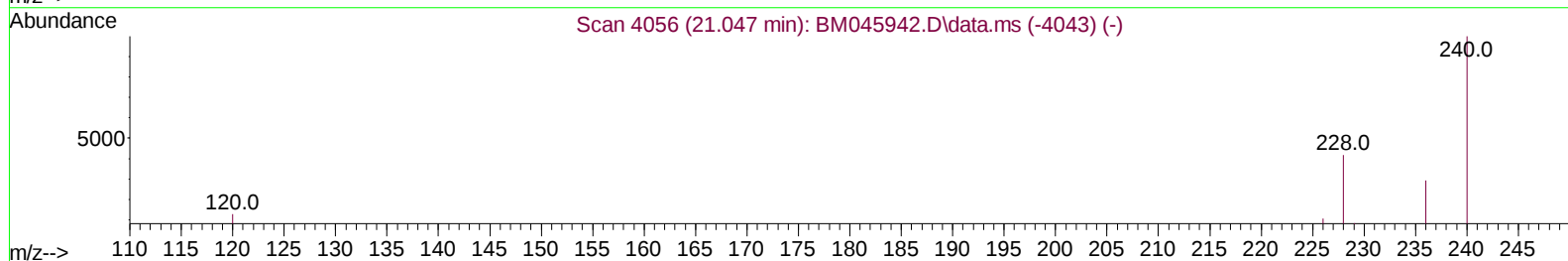
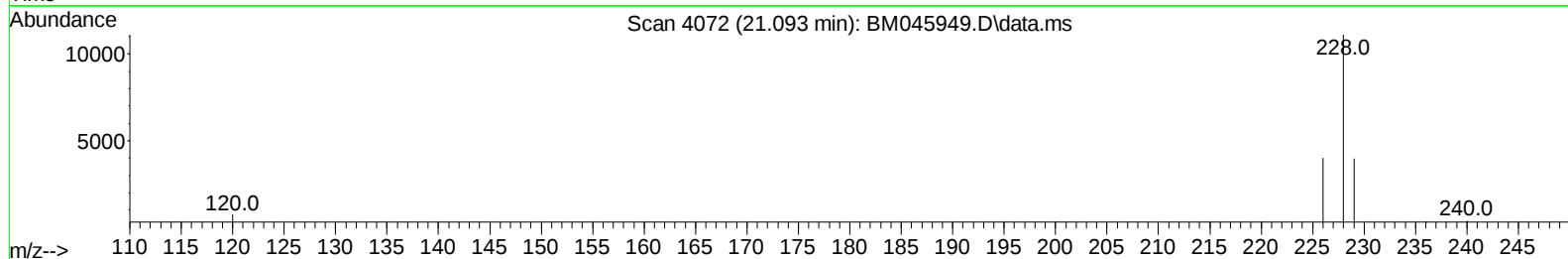
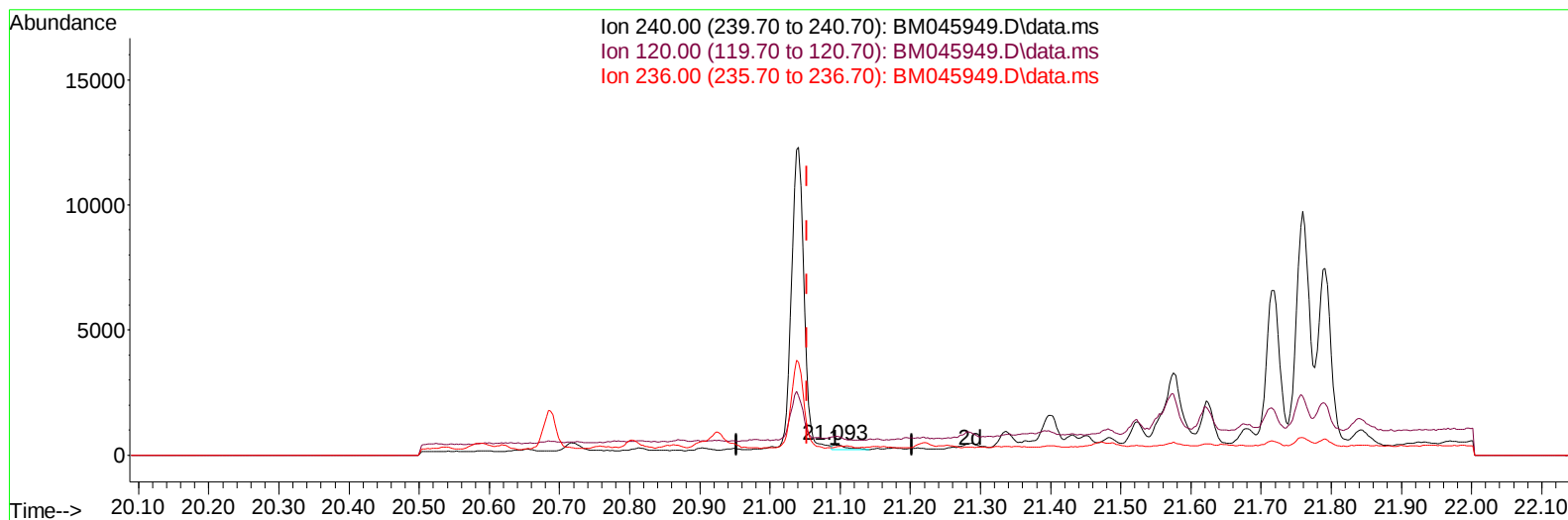
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045949.D
Acq On : 10 Jun 2024 14:07
Operator : MA/JU
Sample : P2642-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B32

Manual IntegrationsAPPROVED

Quant Time: Jun 10 15:00:43 2024
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TIC: BM045949.D\data.ms

(17) Chrysene-d12

21.093min (+ 0.041) 0.40 ng/u1

response 228

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.10	188.53#
236.00	29.50	80.30#
0.00	0.00	0.00

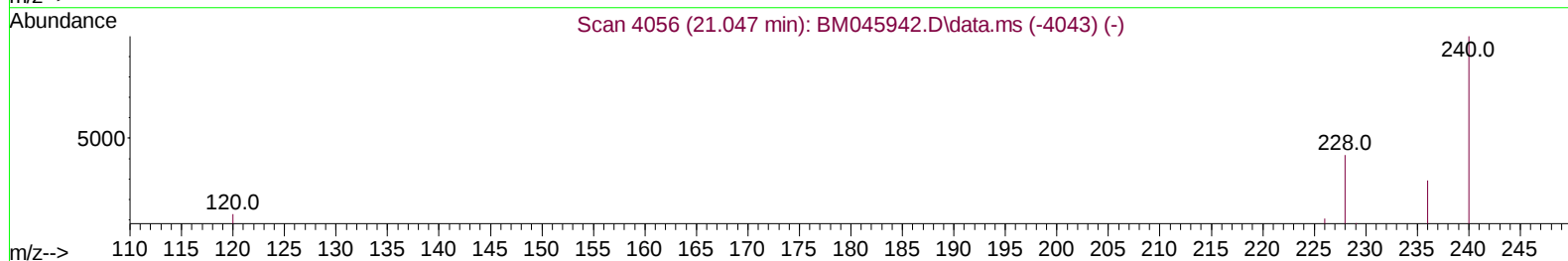
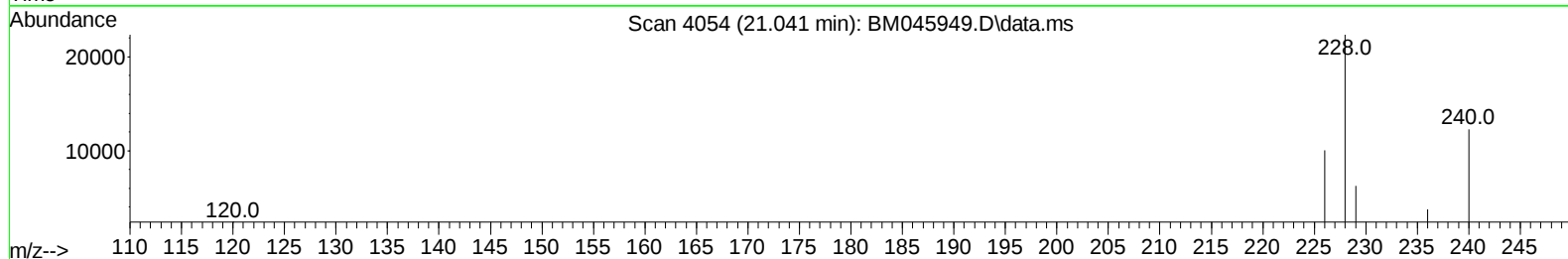
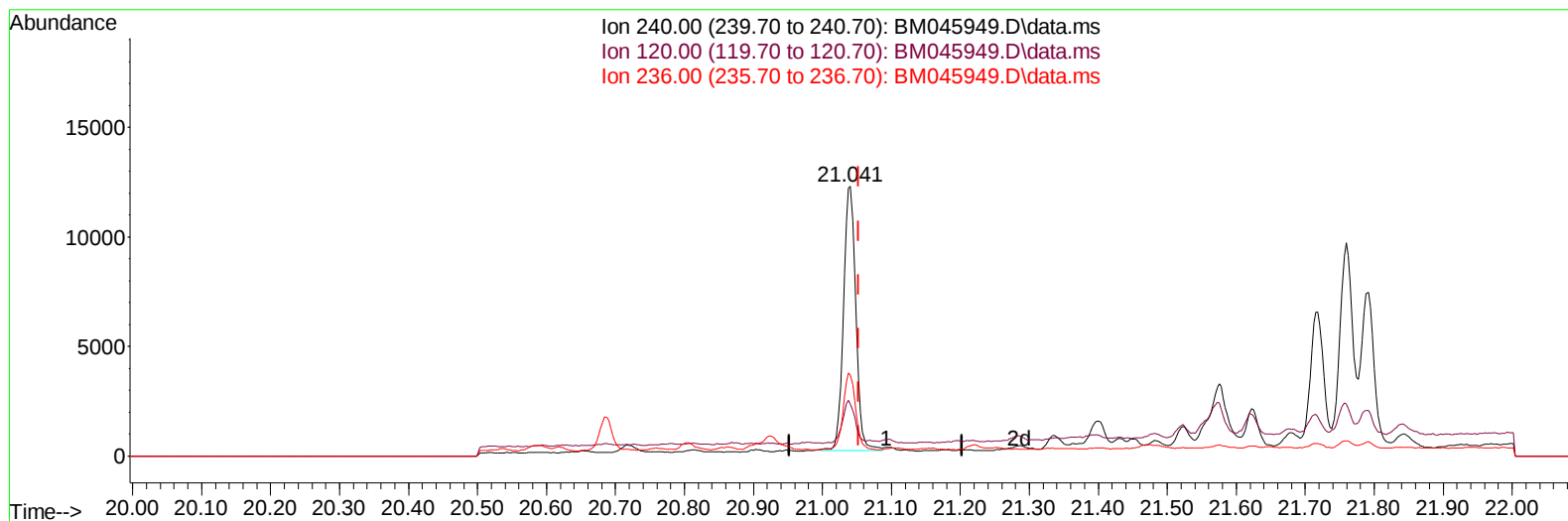
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045949.D
Acq On : 10 Jun 2024 14:07
Operator : MA/JU
Sample : P2642-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B32

Manual IntegrationsAPPROVED

Quant Time: Jun 10 15:00:43 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 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045949.D\data.ms

(17) Chrysene-d12

21.041min (-0.012) 0.40 ng/ul m

response 14987

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.10	19.33#
236.00	29.50	30.19
0.00	0.00	0.00

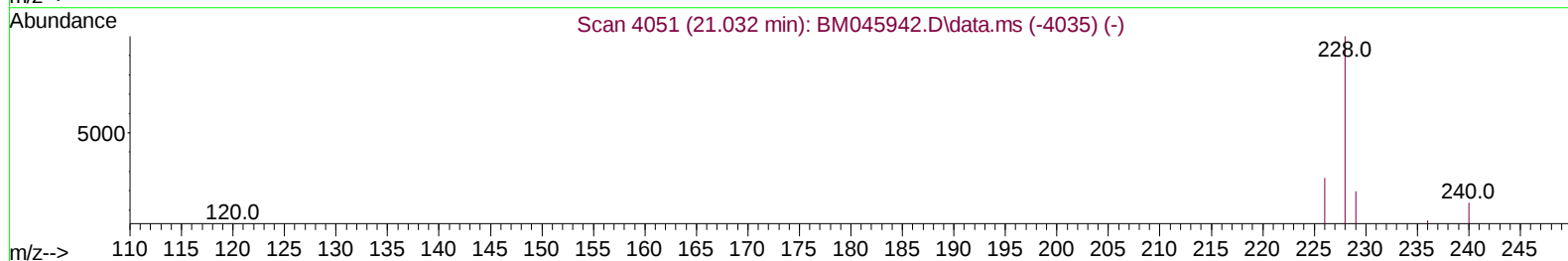
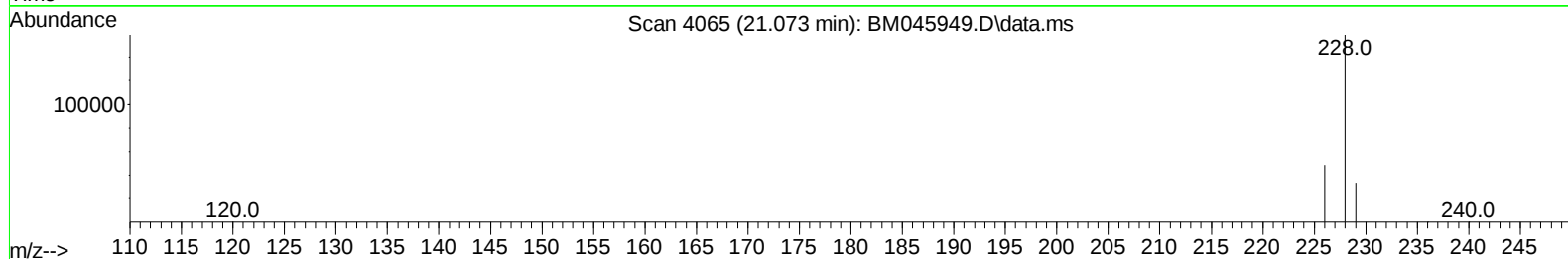
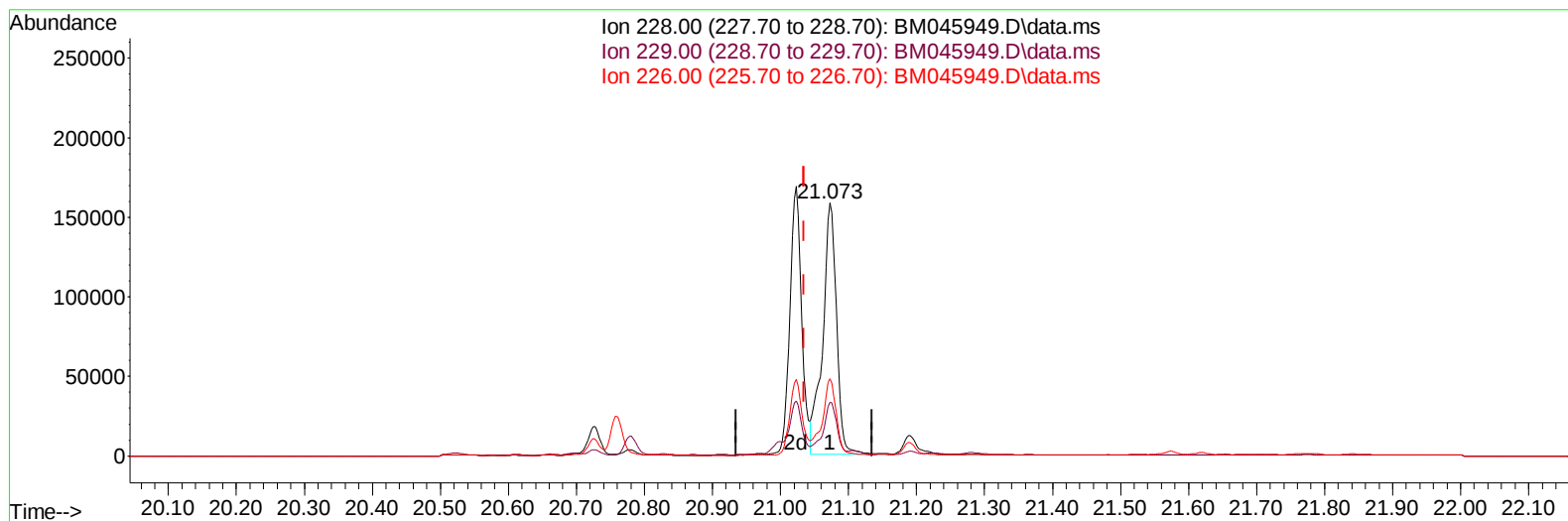
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
 Data File : BM045949.D
 Acq On : 10 Jun 2024 14:07
 Operator : MA/JU
 Sample : P2642-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4B32

Manual IntegrationsAPPROVED

Quant Time: Jun 10 15:00:43 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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TIC: BM045949.D\data.ms

(21) Benzo(a)anthracene

21.073min (+ 0.038) 4.07 ng/u1

response 224061

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	21.13
226.00	27.50	30.62
0.00	0.00	0.00

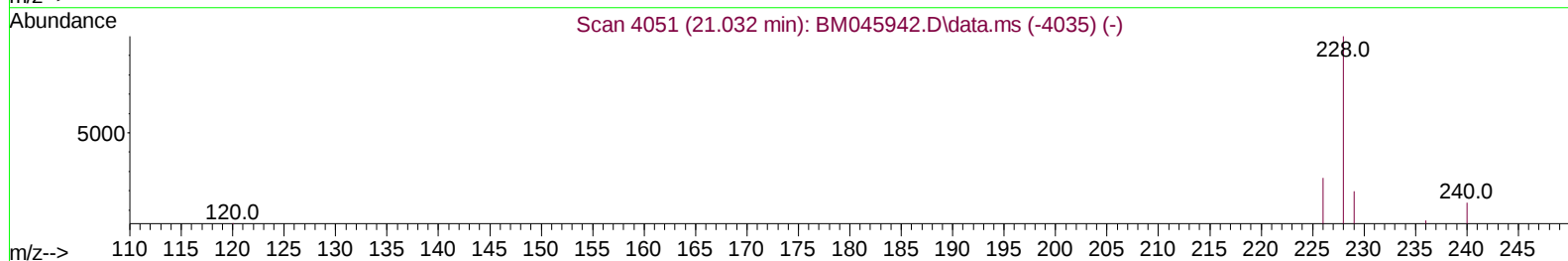
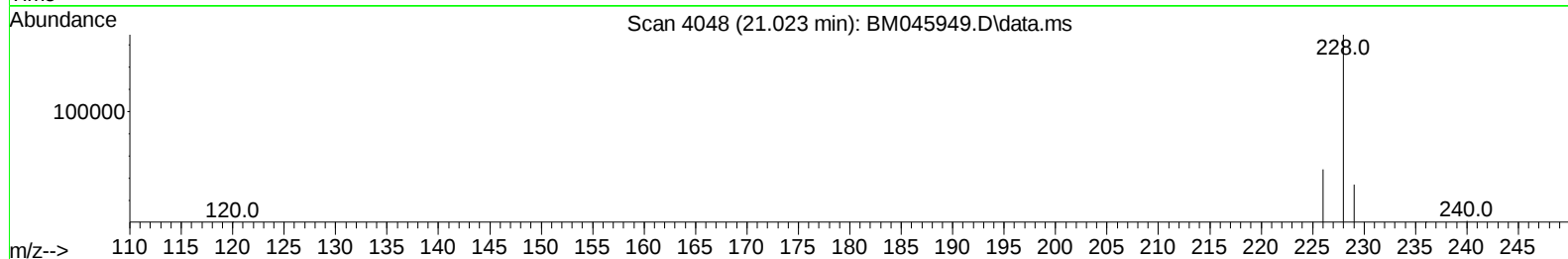
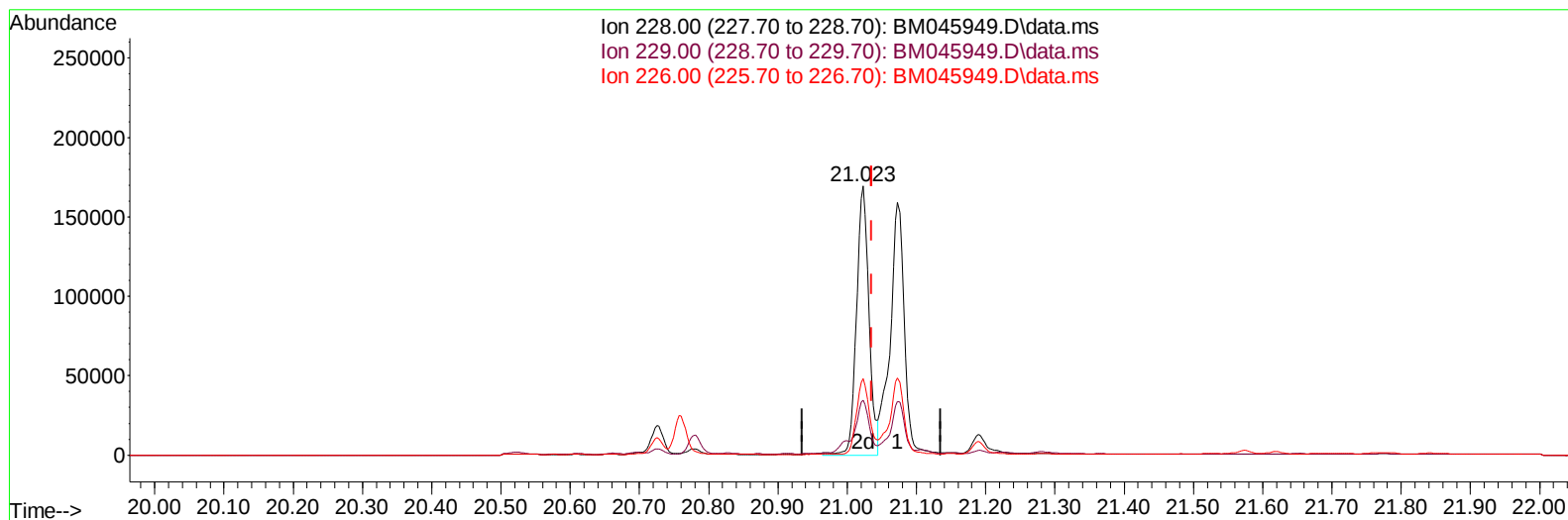
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045949.D
Acq On : 10 Jun 2024 14:07
Operator : MA/JU
Sample : P2642-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B32

Manual IntegrationsAPPROVED

Quant Time: Jun 10 15:00:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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TIC: BM045949.D\data.ms

(21) Benzo(a)anthracene

21.023min (-0.012) 3.84 ng/u1 m

response 211164

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	20.37
226.00	27.50	28.40
0.00	0.00	0.00

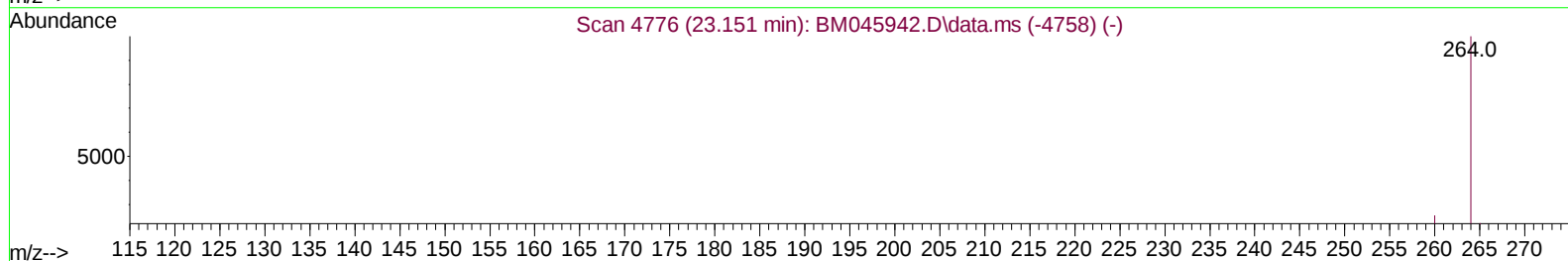
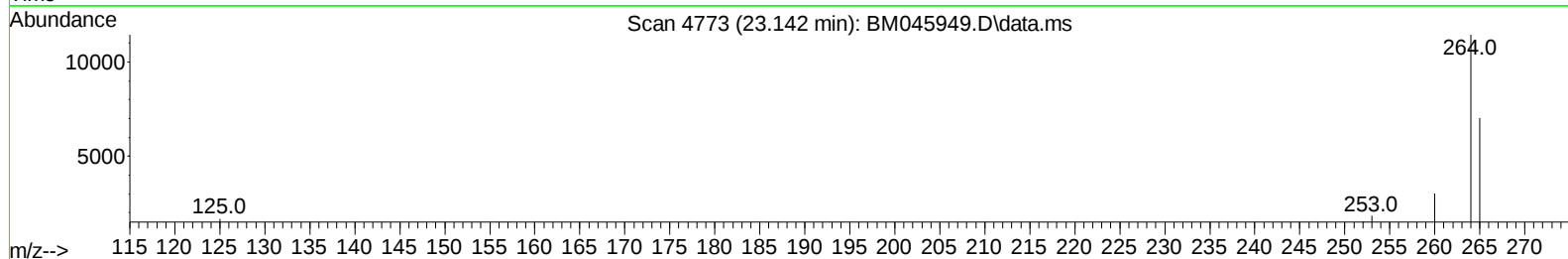
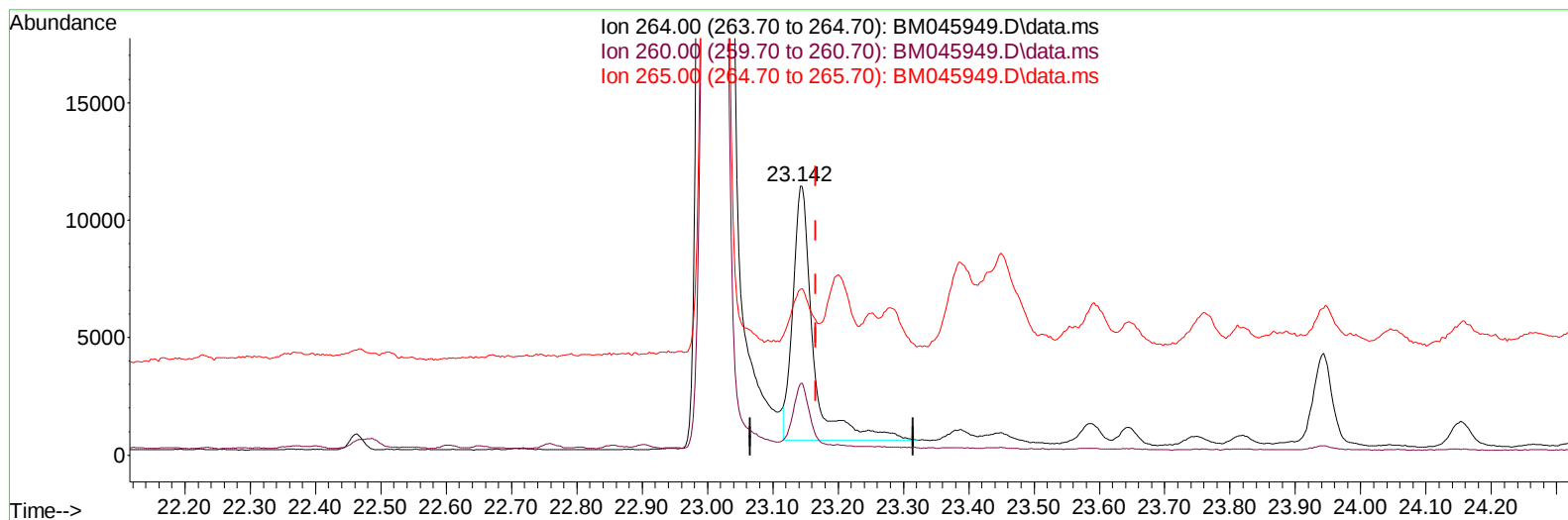
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045949.D
Acq On : 10 Jun 2024 14:07
Operator : MA/JU
Sample : P2642-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B32

Manual IntegrationsAPPROVED

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TIC: BM045949.D\data.ms

(23) Perylene-d12 (I)

23.142min (-0.024) 0.40 ng/u1

response 23620

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	26.45
265.00	76.60	61.56
0.00	0.00	0.00

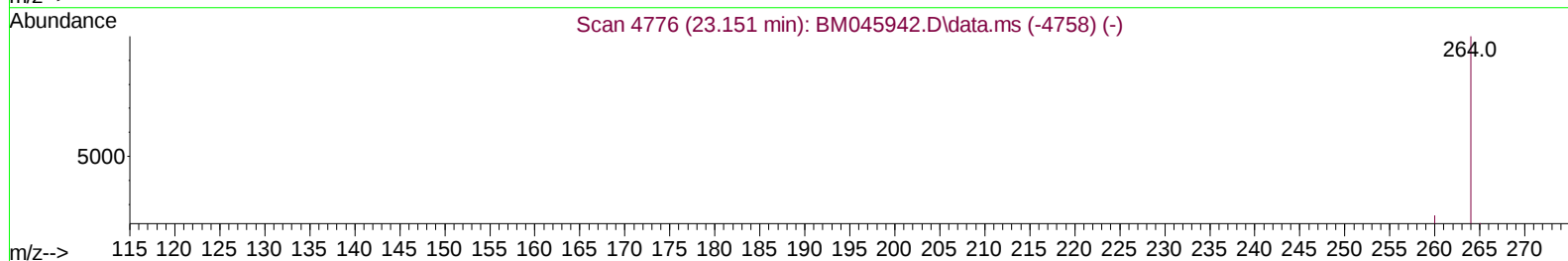
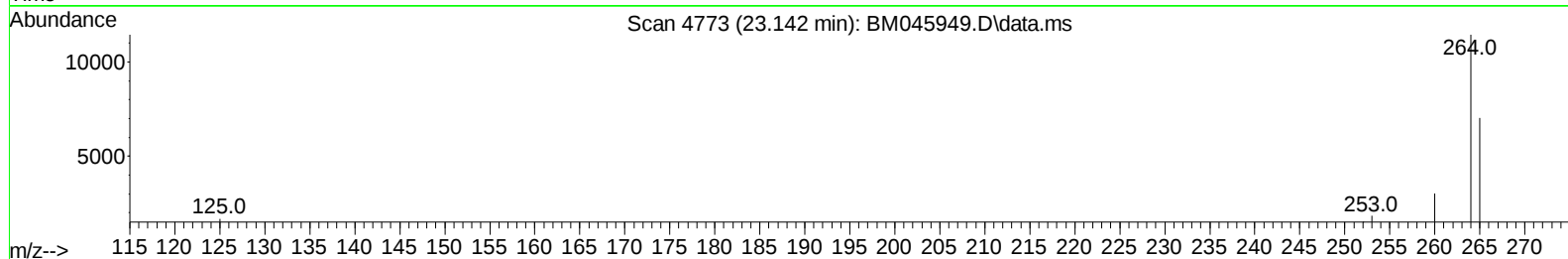
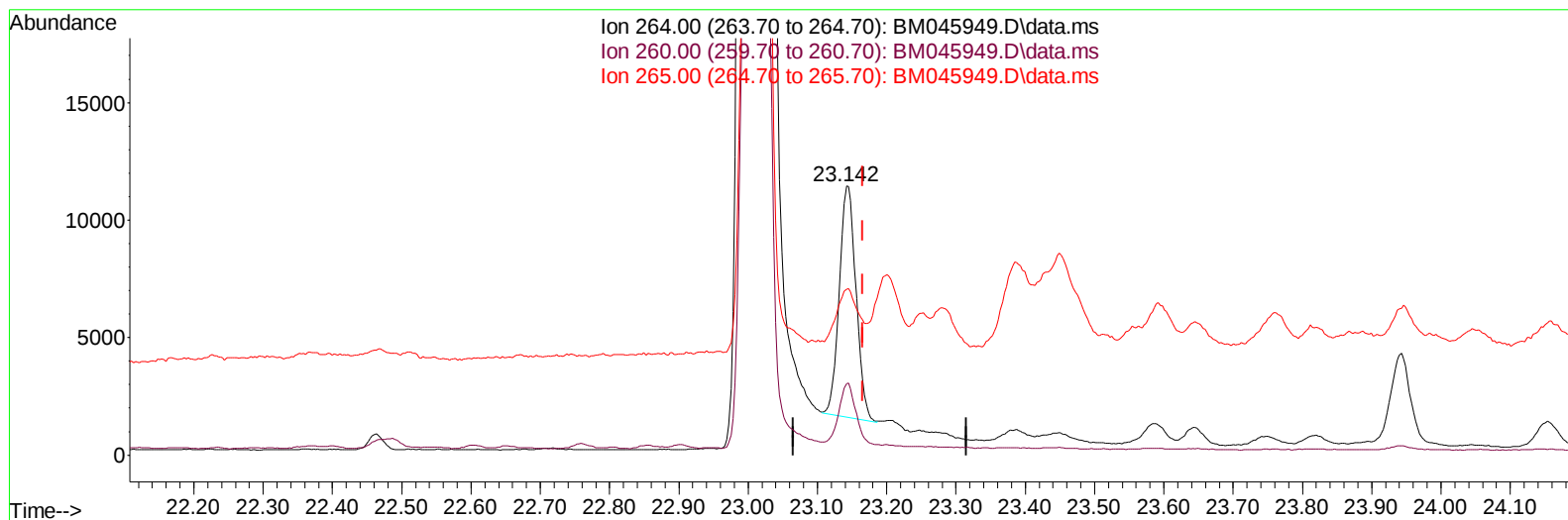
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045949.D
Acq On : 10 Jun 2024 14:07
Operator : MA/JU
Sample : P2642-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B32

Manual IntegrationsAPPROVED

Quant Time: Jun 10 15:00:43 2024
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TIC: BM045949.D\data.ms

(23) Perylene-d12 (I)

23.142min (-0.024) 0.40 ng/ul m

response 16487

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	26.45
265.00	76.60	61.56
0.00	0.00	0.00

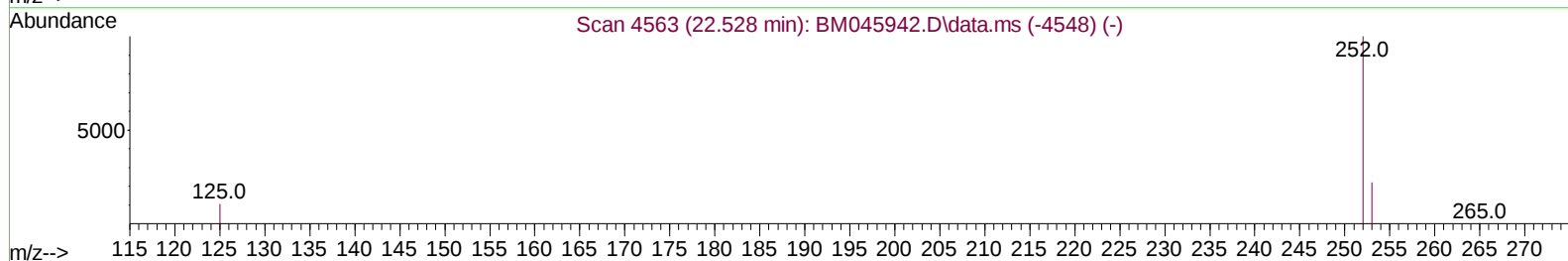
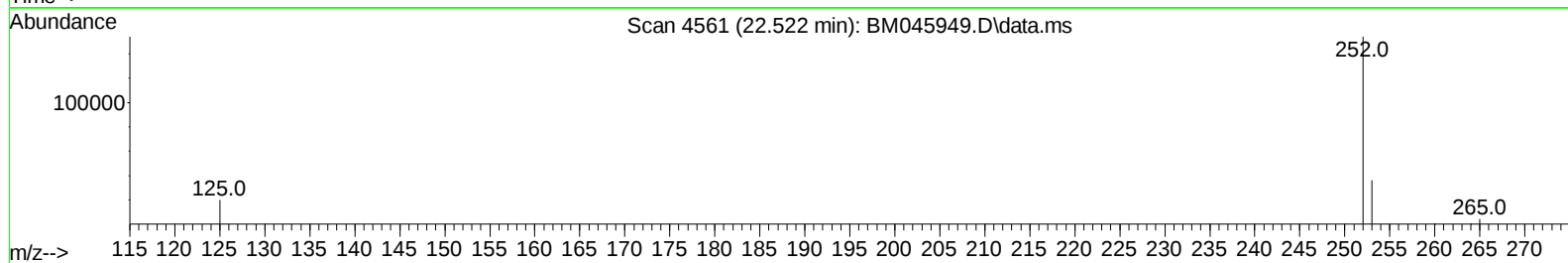
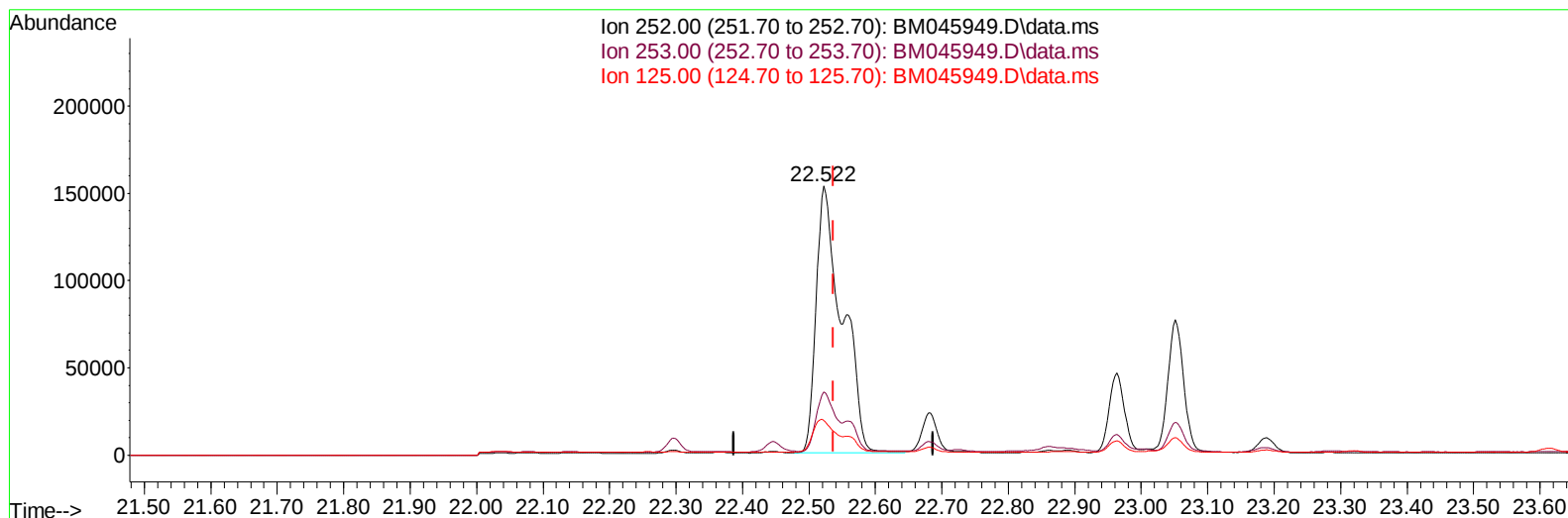
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045949.D
Acq On : 10 Jun 2024 14:07
Operator : MA/JU
Sample : P2642-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B32

Manual IntegrationsAPPROVED

Quant Time: Jun 10 15:00:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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TIC: BM045949.D\data.ms

(24) Benzo(b)fluoranthene

22.522min (-0.015) 7.57 ng/u1

response 413857

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	23.47
125.00	17.90	12.93
0.00	0.00	0.00

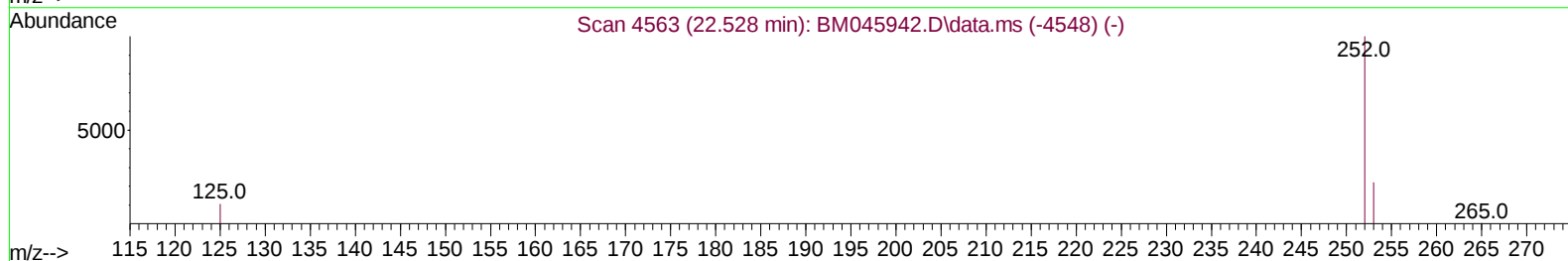
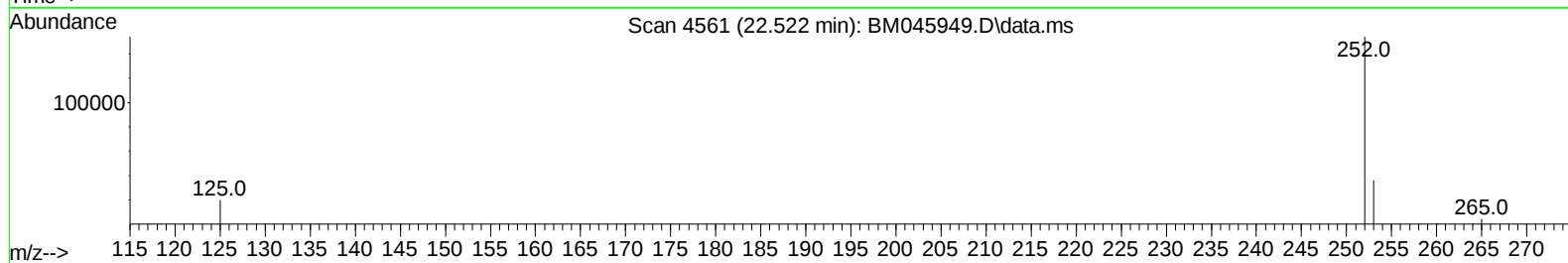
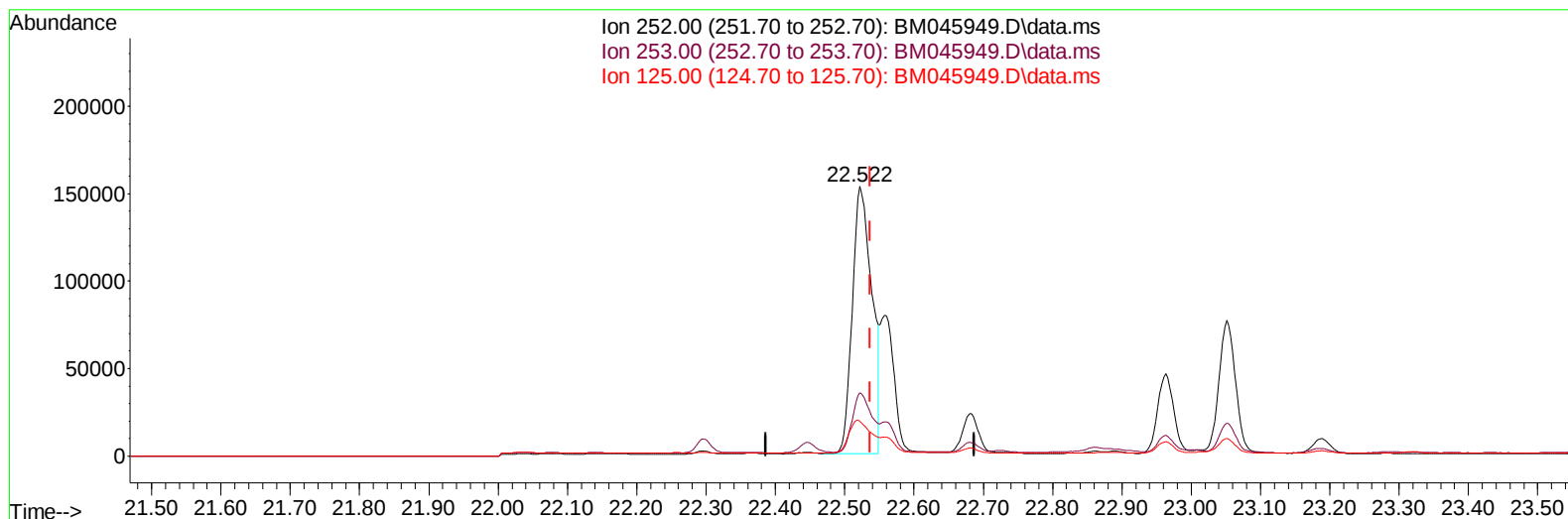
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045949.D
Acq On : 10 Jun 2024 14:07
Operator : MA/JU
Sample : P2642-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B32

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 06/10/2024
Supervised By :mohammad ahmed 06/13/2024

Quant Time: Jun 10 15:00:43 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



TIC: BM045949.D\data.ms

(24) Benzo(b)fluoranthene

22.522min (-0.015) 5.49 ng/u1 m

response 300107

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	23.47
125.00	17.90	12.93
0.00	0.00	0.00

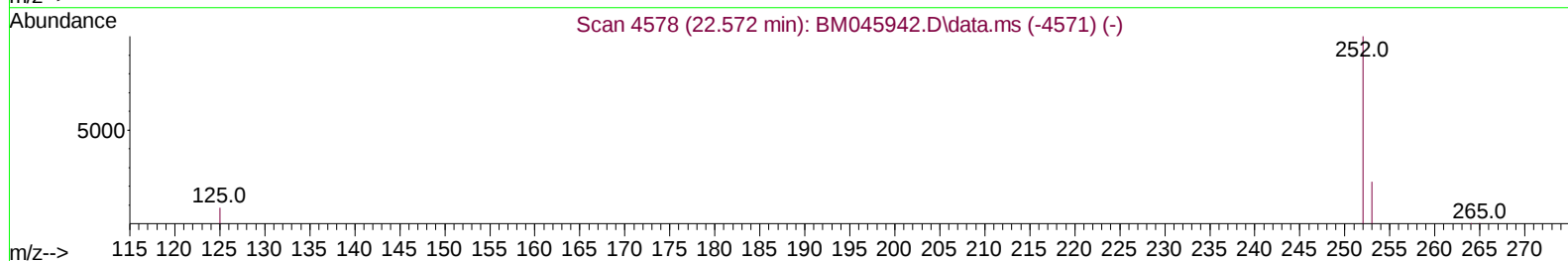
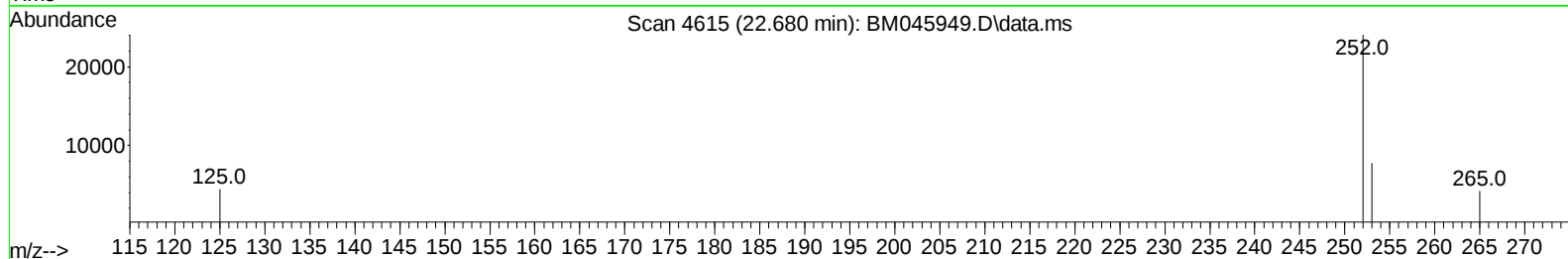
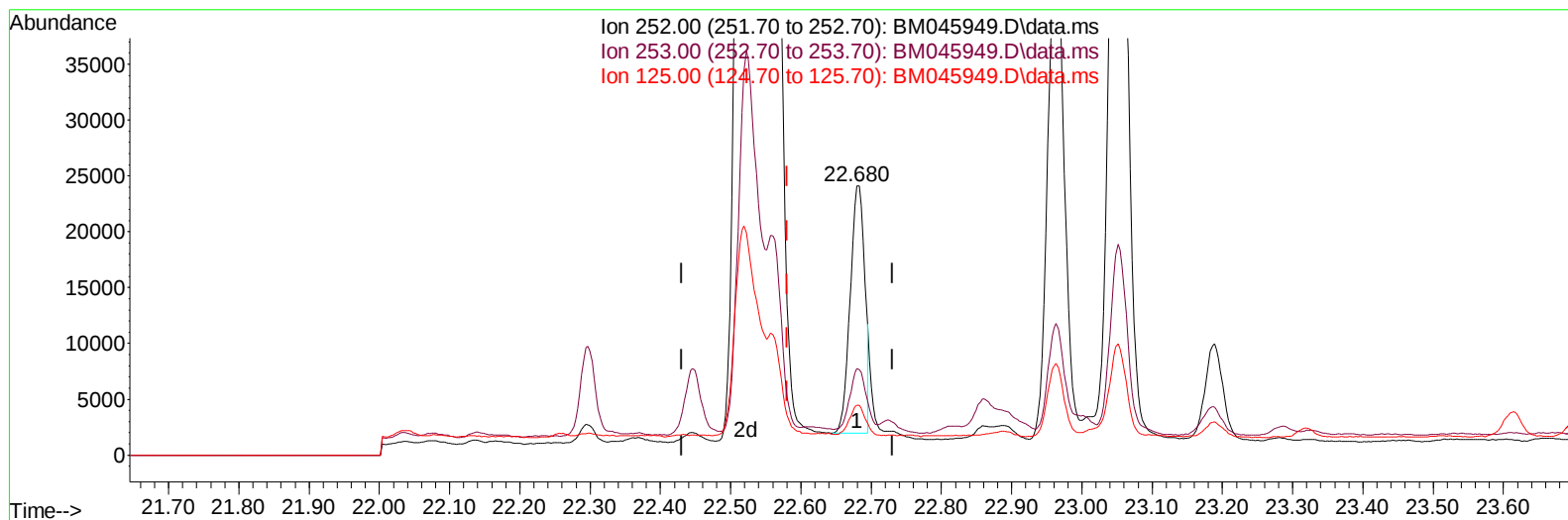
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
 Data File : BM045949.D
 Acq On : 10 Jun 2024 14:07
 Operator : MA/JU
 Sample : P2642-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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TIC: BM045949.D\data.ms

(25) Benzo(k)fluoranthene

22.680min (+ 0.099) 0.52 ng/u1

response 31545

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	32.18
125.00	17.70	18.58
0.00	0.00	0.00

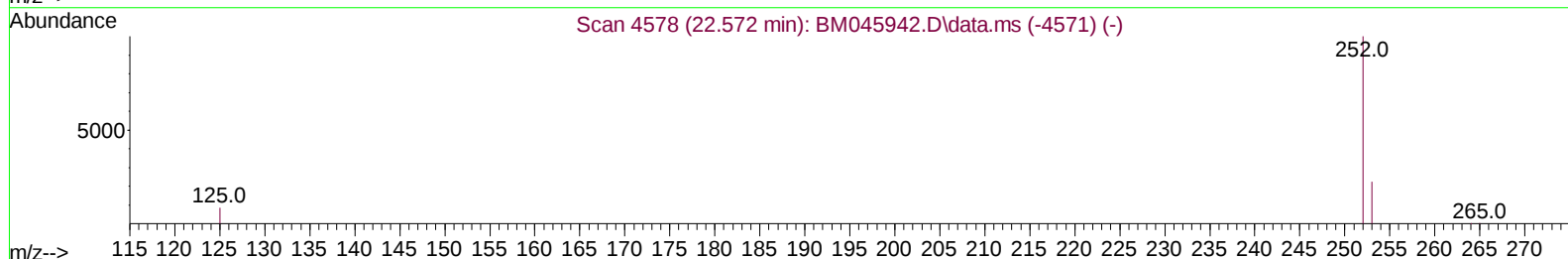
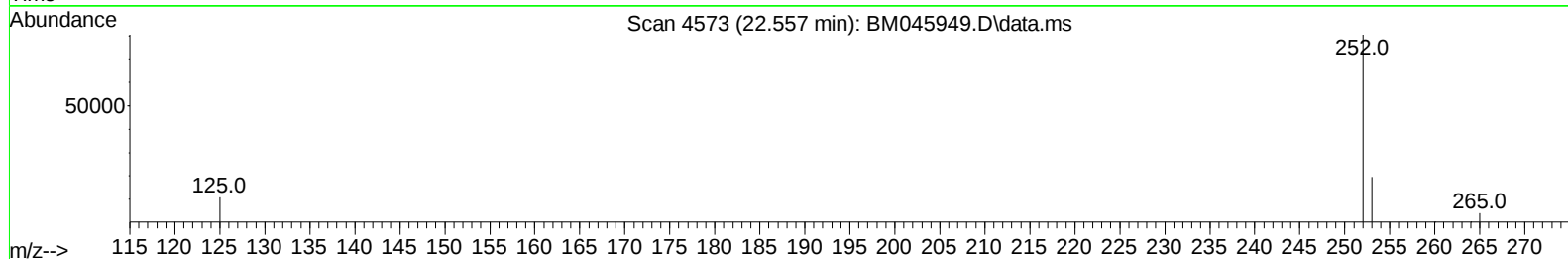
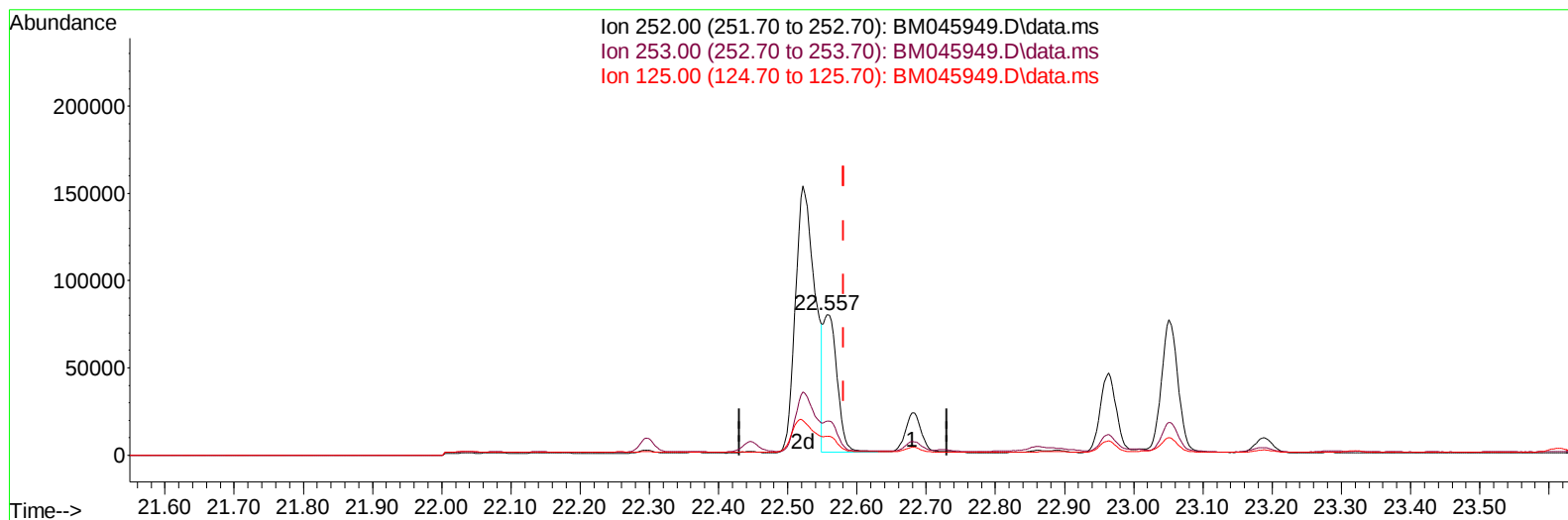
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
 Data File : BM045949.D
 Acq On : 10 Jun 2024 14:07
 Operator : MA/JU
 Sample : P2642-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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TIC: BM045949.D\data.ms

(25) Benzo(k)fluoranthene

22.557min (-0.024) 1.86 ng/u1 m

response 111485

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	24.42#
125.00	17.70	13.56#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
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Instrument :
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.459	152	4729	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.227	136	15478	0.400	ng/ul	-0.03
9) Acenaphthene-d10	14.104	164	8235	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.846	188	18829m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.041	240	14987m	0.400	ng/ul	-0.01
23) Perylene-d12	23.142	264	16487m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.054	96	24910	4.625	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.838	152	5814	0.261	ng/ul	0.00
18) Fluoranthene-d10	18.877	212	13550	0.302	ng/ul	-0.02
Target Compounds						
						Qvalue
5) Naphthalene	10.277	128	7573	0.187	ng/ul	97
7) 2-Methylnaphthalene	11.910	142	2769	0.107	ng/ul	100
8) 1-Methylnaphthalene	12.130	142	2538	0.090	ng/ul	99
10) Acenaphthylene	13.822	152	12349	0.330	ng/ul	99
11) Acenaphthene	14.164	153	8630	0.314	ng/ul	99
12) Fluorene	15.154	166	10200	0.332	ng/ul	99
15) Phenanthrene	16.884	178	242057m	4.579	ng/ul	
16) Anthracene	16.977	178	44316m	0.983	ng/ul	
19) Fluoranthene	18.905	202	483357	8.088	ng/ul	99
20) Pyrene	19.267	202	343980	5.518	ng/ul	99
21) Benzo(a)anthracene	21.023	228	211164m	3.839	ng/ul	
22) Chrysene	21.073	228	223932	3.739	ng/ul	99
24) Benzo(b)fluoranthene	22.522	252	300107m	5.488	ng/ul	
25) Benzo(k)fluoranthene	22.557	252	111485m	1.855	ng/ul	
26) Benzo(a)pyrene	23.051	252	127572	2.346	ng/ul#	81
27) Indeno(1,2,3-cd)pyrene	25.202	276	118839	1.690	ng/ul	92
28) Dibenzo(a,h)anthracene	25.209	278	34974	0.622	ng/ul	99
29) Benzo(g,h,i)perylene	25.833	276	18727	0.309	ng/ul	94

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

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