

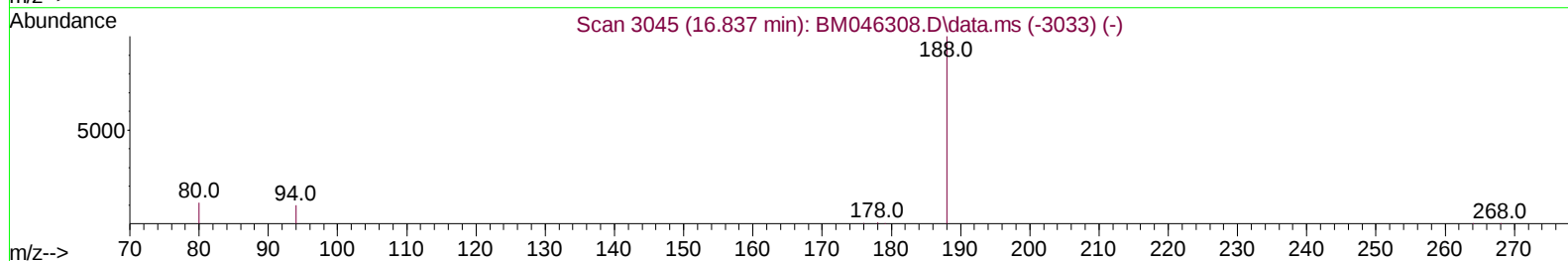
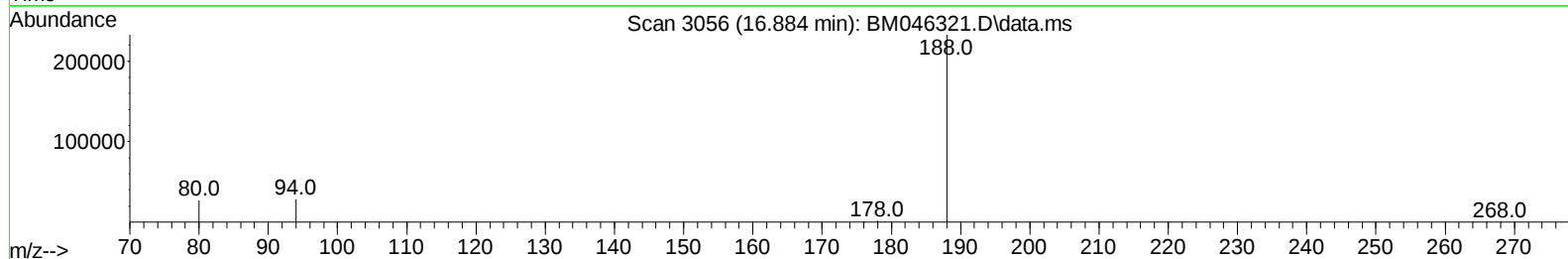
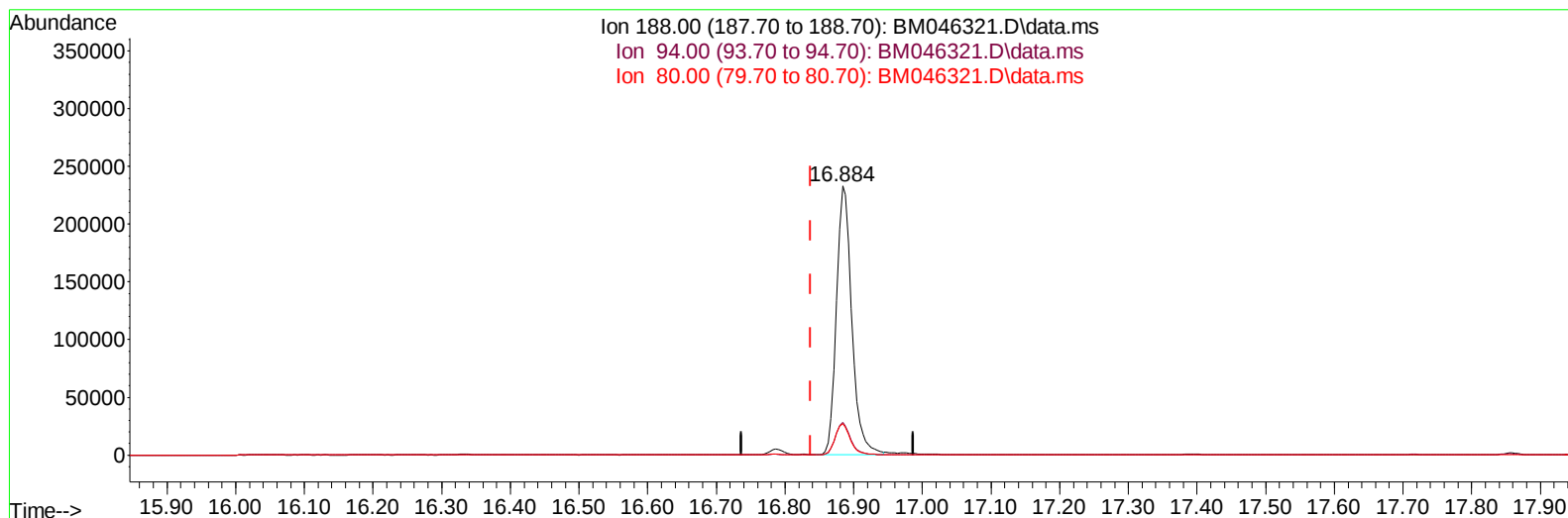
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046321.D
Acq On : 26 Jun 2024 09:42
Operator : MA/JU
Sample : P2909-18
Misc :
ALS Vial : 82 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B41

Manual IntegrationsAPPROVED

Quant Time: Jun 26 11:12:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 26 03:24:28 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046321.D\data.ms

(13) Phenanthrene-d10 (I)

16.884min (+ 0.046) 0.40 ng/u1

response 361332

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.07
80.00	15.20	11.66#
0.00	0.00	0.00

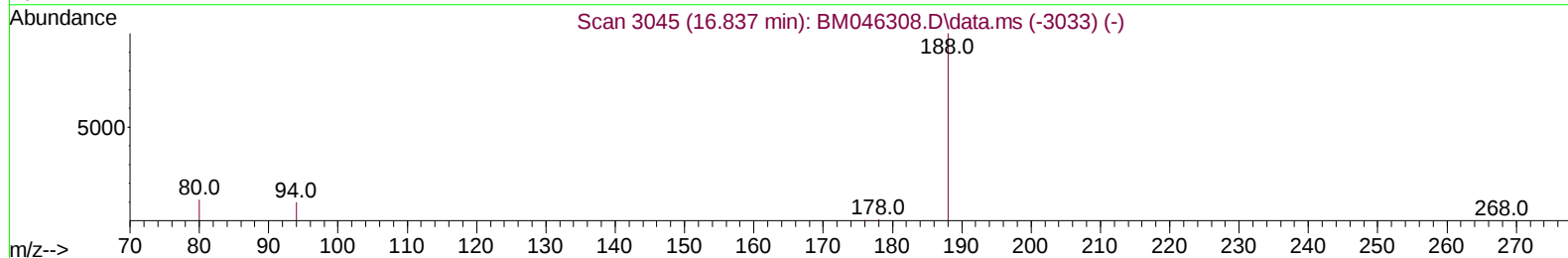
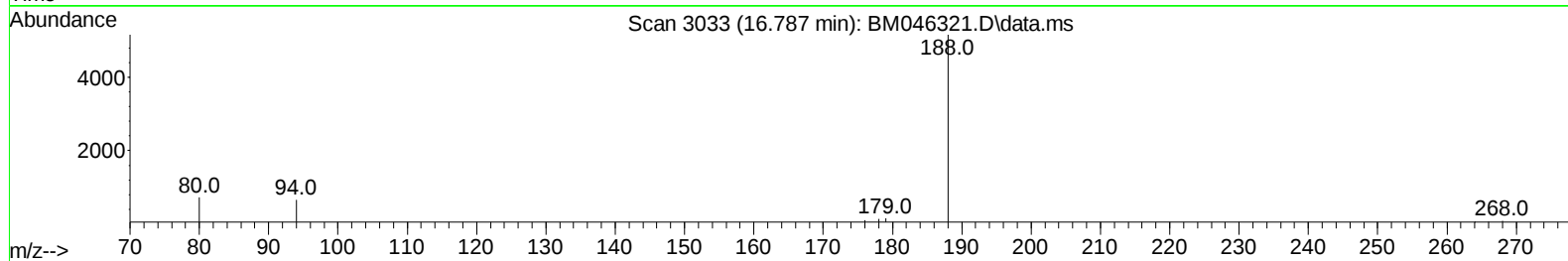
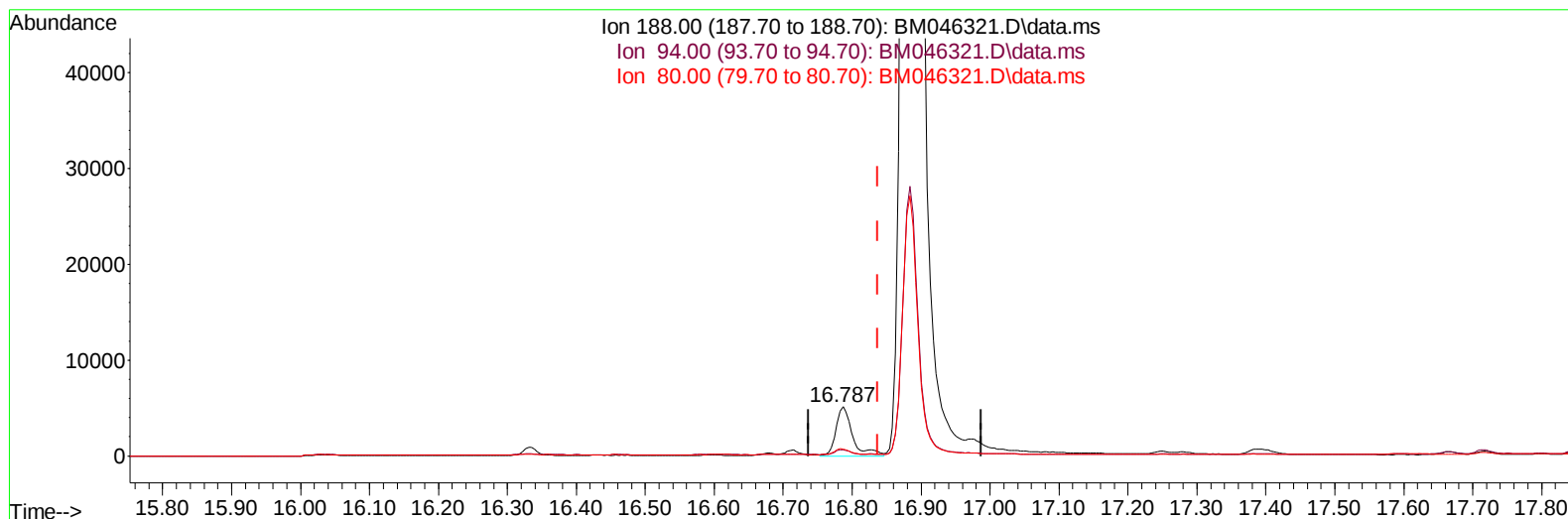
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046321.D
Acq On : 26 Jun 2024 09:42
Operator : MA/JU
Sample : P2909-18
Misc :
ALS Vial : 82 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual IntegrationsAPPROVED

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QLast Update : Wed Jun 26 03:24:28 2024
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Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046321.D\data.ms

(13) Phenanthrene-d10 (I)

16.787min (-0.051) 0.40 ng/ul m

response 8594

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.90
80.00	15.20	14.21
0.00	0.00	0.00

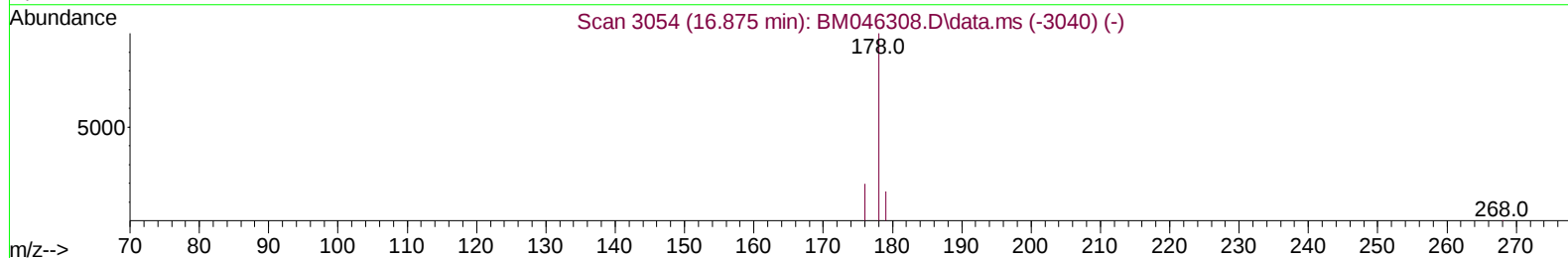
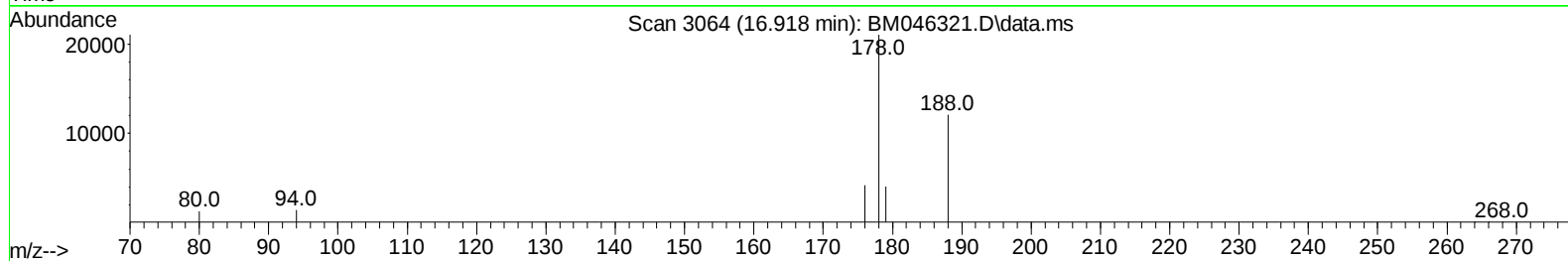
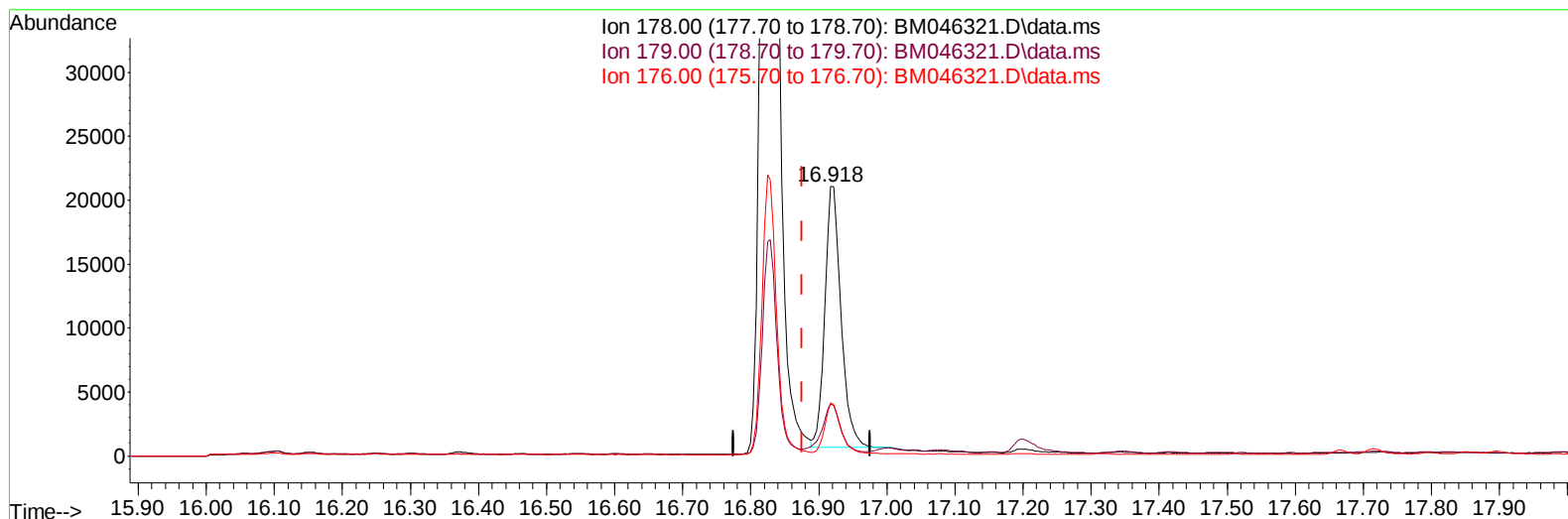
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046321.D
Acq On : 26 Jun 2024 09:42
Operator : MA/JU
Sample : P2909-18
Misc :
ALS Vial : 82 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B41

Manual IntegrationsAPPROVED

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Reviewed By :Yogesh Patel 06/26/2024
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TIC: BM046321.D\data.ms

(15) Phenanthrene

16.918min (+ 0.042) 1.40 ng/u1

response 33886

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	19.32
176.00	21.40	19.74
0.00	0.00	0.00

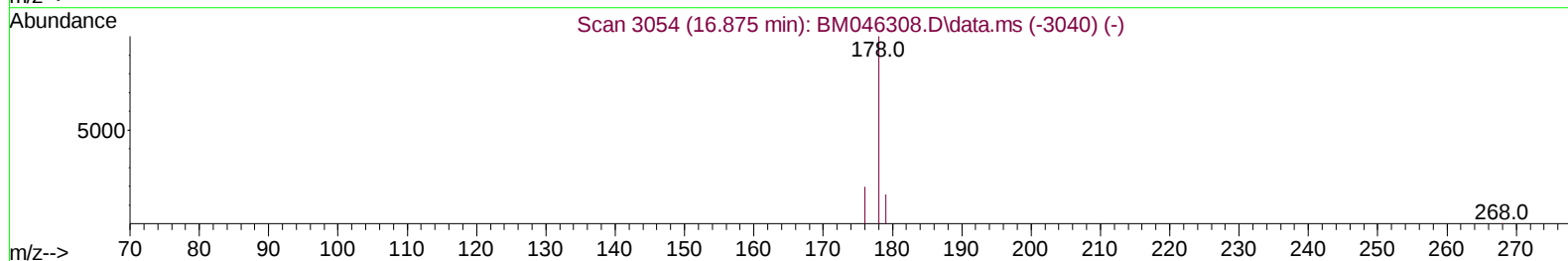
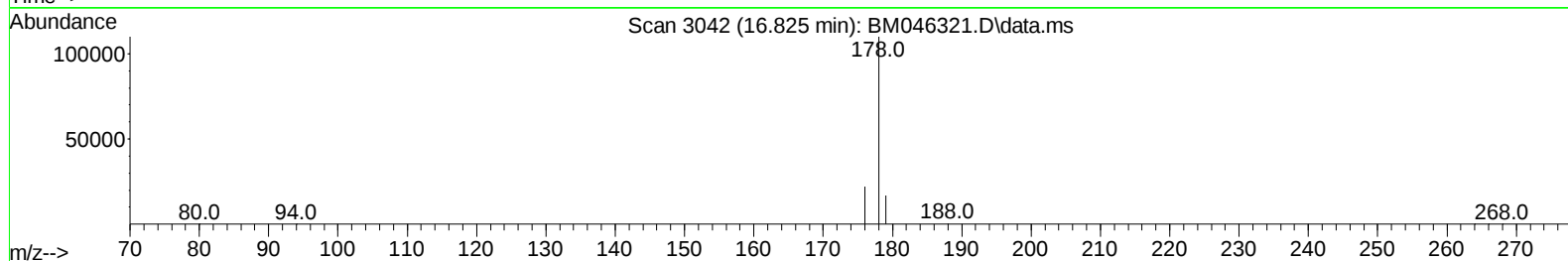
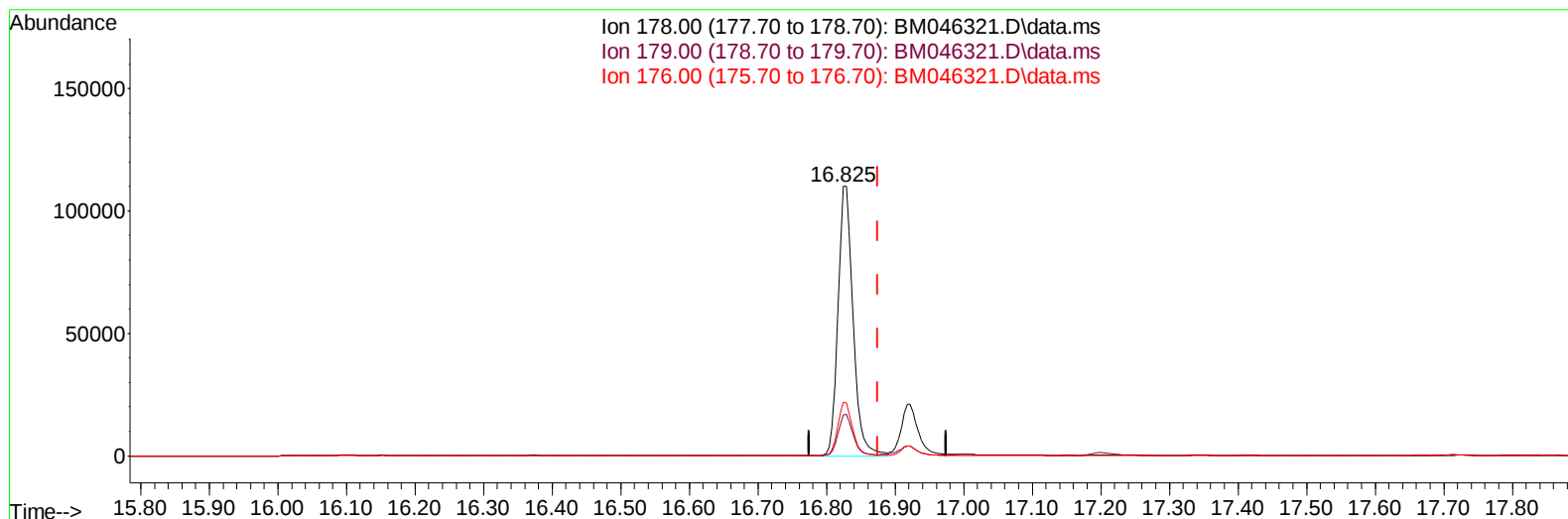
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046321.D
Acq On : 26 Jun 2024 09:42
Operator : MA/JU
Sample : P2909-18
Misc :
ALS Vial : 82 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B41

Manual IntegrationsAPPROVED

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QLast Update : Wed Jun 26 03:24:28 2024
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Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046321.D\data.ms

(15) Phenanthrene

16.825min (-0.051) 6.98 ng/u1 m

response 168515

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.24
176.00	21.40	19.98
0.00	0.00	0.00

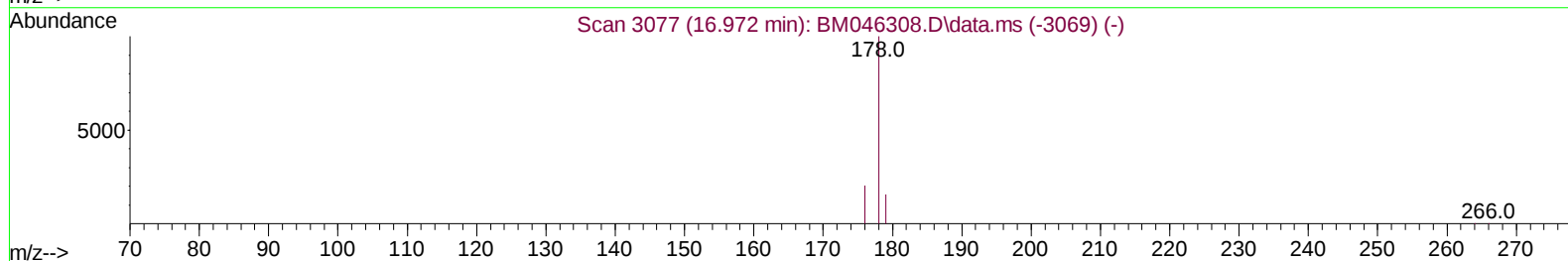
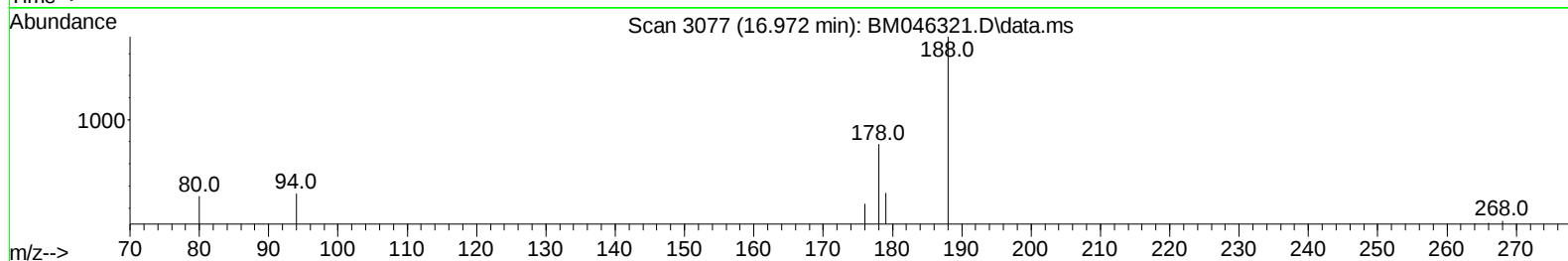
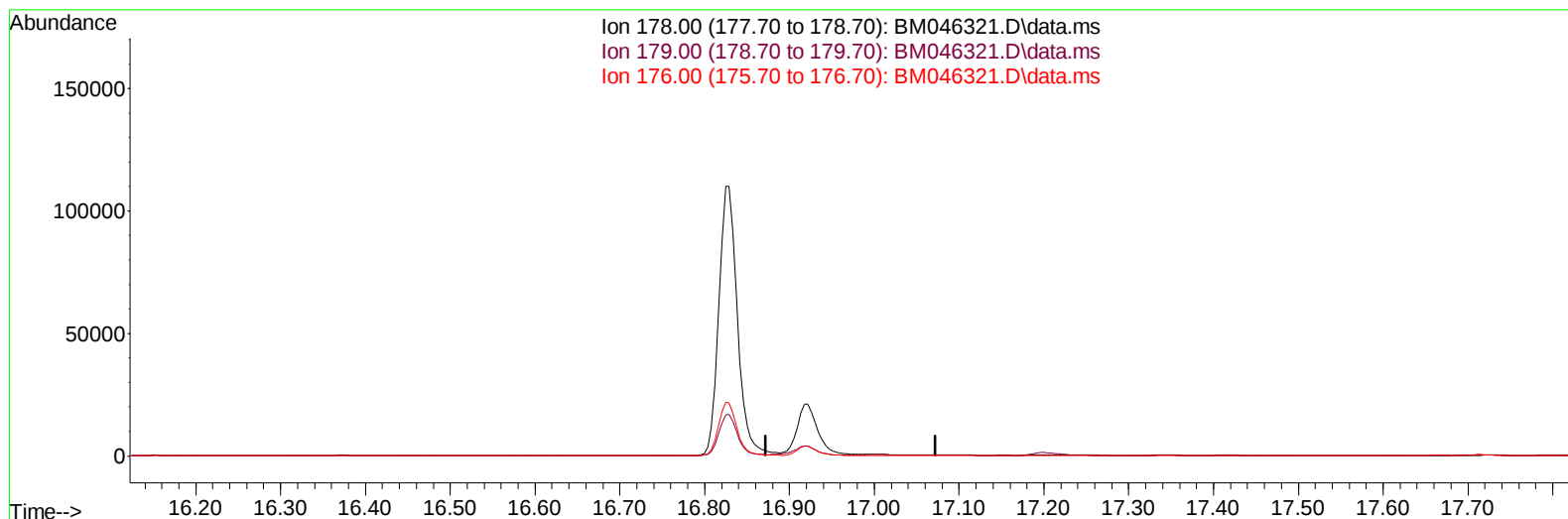
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046321.D
Acq On : 26 Jun 2024 09:42
Operator : MA/JU
Sample : P2909-18
Misc :
ALS Vial : 82 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B41

Manual IntegrationsAPPROVED

Quant Time: Jun 26 11:12:21 2024
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TIC: BM046321.D\data.ms

(16) Anthracene

16.972min (-16.972) 0.00 ng/u1

response 0

Ion	Exp%	Act%
178.00	100.00	0.00
179.00	18.60	0.00#
176.00	21.20	0.00#
0.00	0.00	0.00

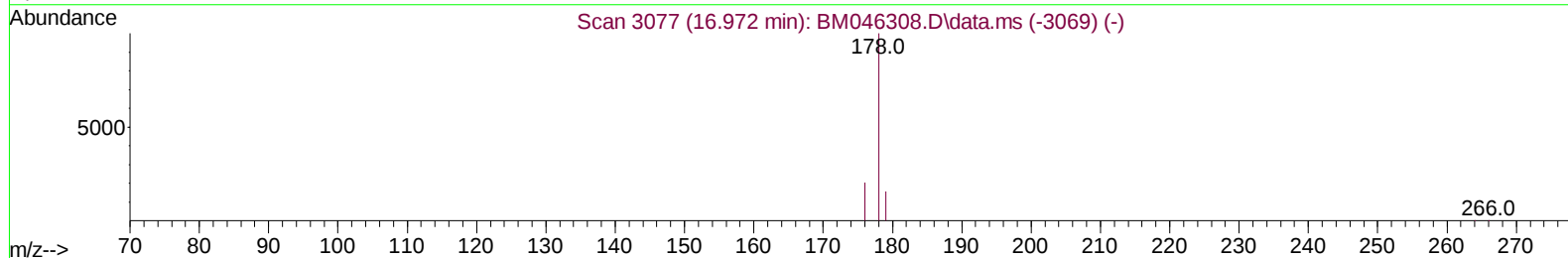
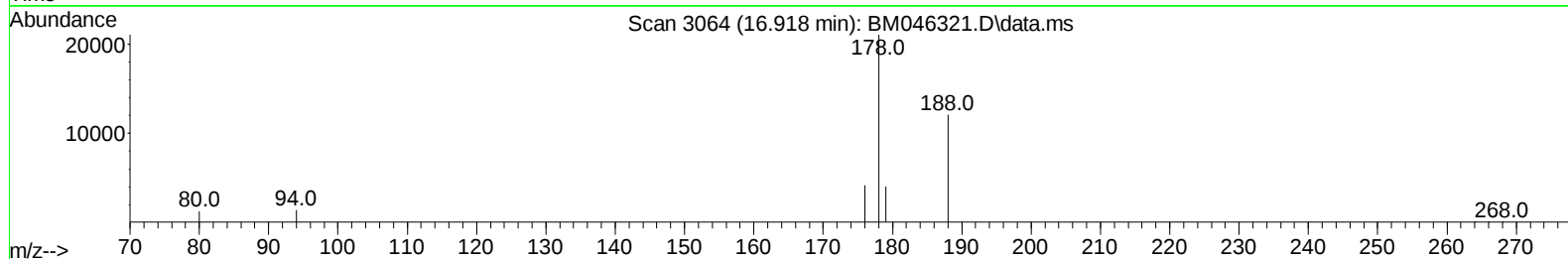
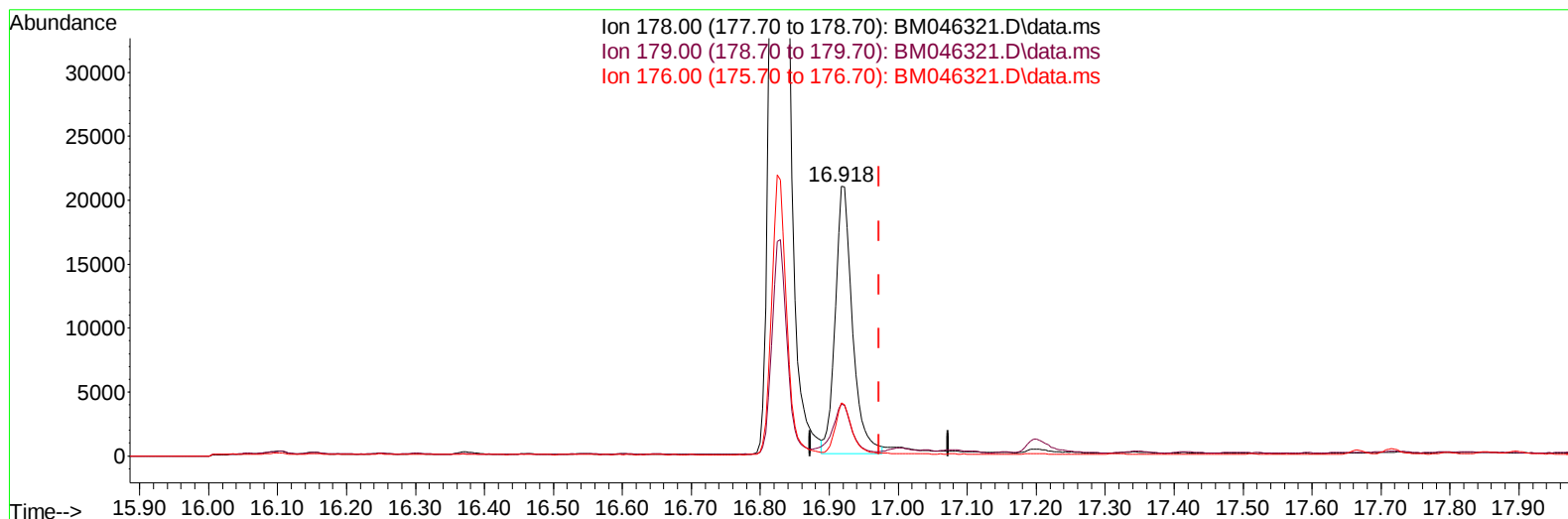
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046321.D
Acq On : 26 Jun 2024 09:42
Operator : MA/JU
Sample : P2909-18
Misc :
ALS Vial : 82 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B41

Manual IntegrationsAPPROVED

Quant Time: Jun 26 11:12:21 2024
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TIC: BM046321.D\data.ms

(16) Anthracene

16.918min (-0.055) 2.02 ng/u1 m

response 36287

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	19.32
176.00	21.20	19.74
0.00	0.00	0.00

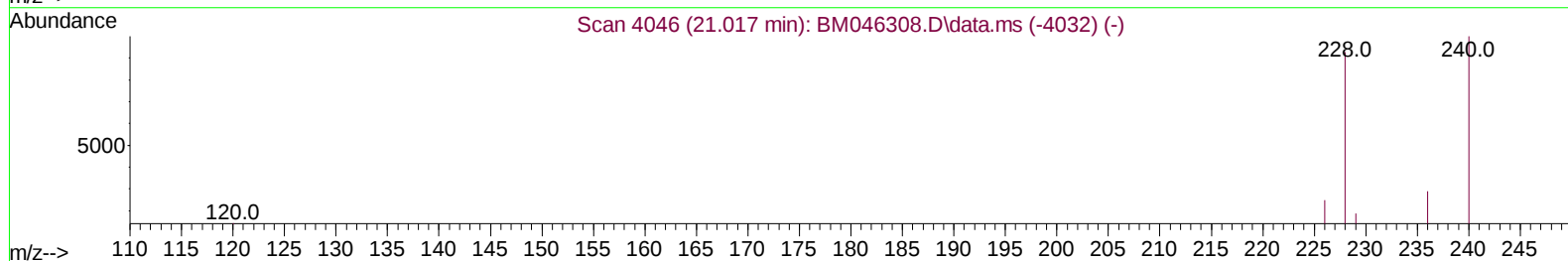
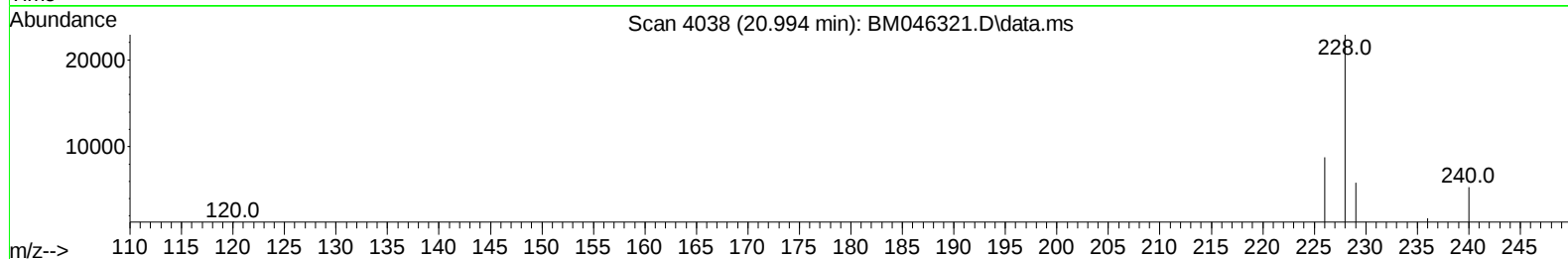
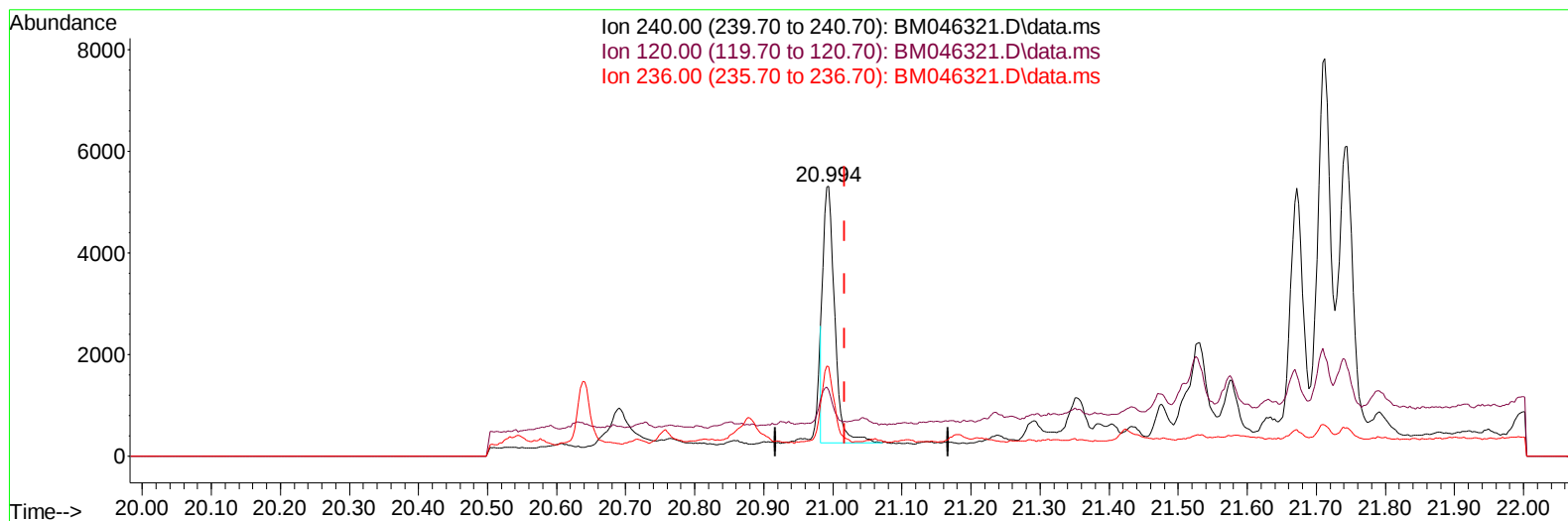
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046321.D
Acq On : 26 Jun 2024 09:42
Operator : MA/JU
Sample : P2909-18
Misc :
ALS Vial : 82 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B41

Manual IntegrationsAPPROVED

Quant Time: Jun 26 11:12:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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TIC: BM046321.D\data.ms

(17) Chrysene-d12

20.994min (-0.023) 0.40 ng/u1

response 5911

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	24.42
236.00	33.60	33.10
0.00	0.00	0.00

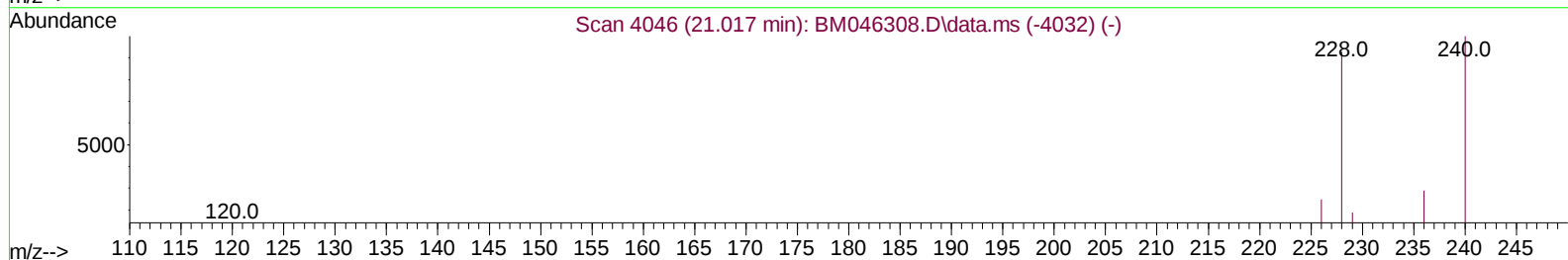
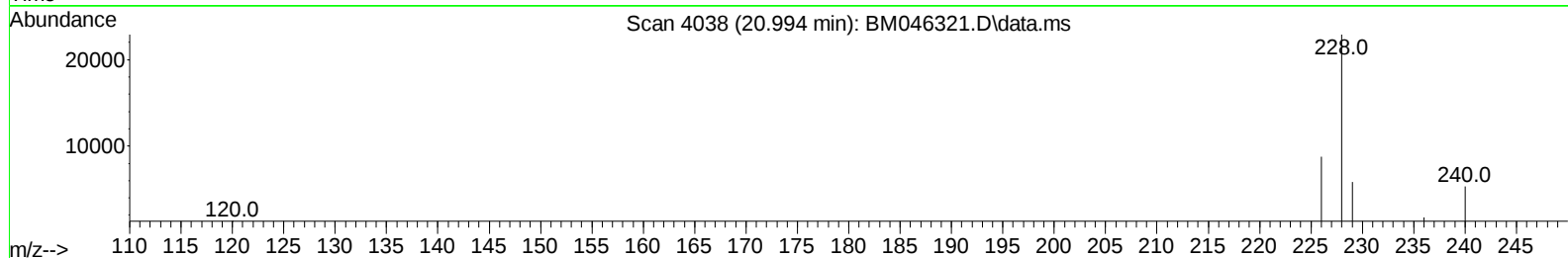
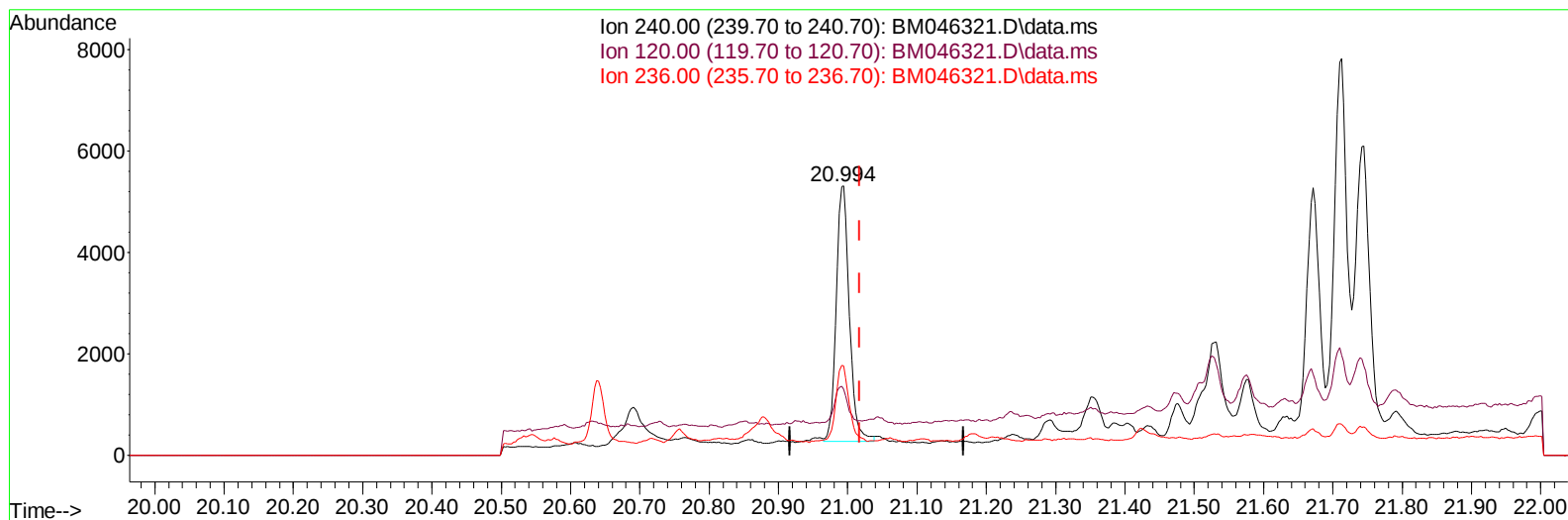
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046321.D
Acq On : 26 Jun 2024 09:42
Operator : MA/JU
Sample : P2909-18
Misc :
ALS Vial : 82 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B41

Manual IntegrationsAPPROVED

Quant Time: Jun 26 11:12:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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Supervised By :mohammad ahmed 06/27/2024



TIC: BM046321.D\data.ms

(17) Chrysene-d12

20.994min (-0.023) 0.40 ng/u1 m

response 6596

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	24.42
236.00	33.60	33.10
0.00	0.00	0.00

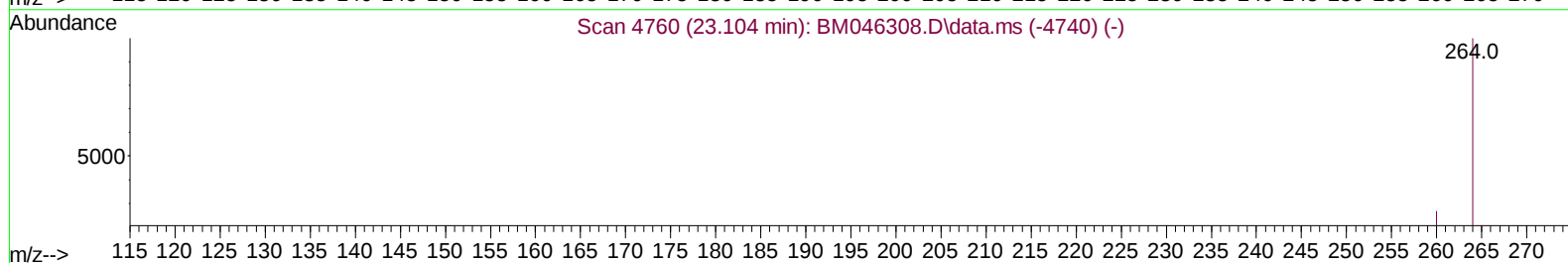
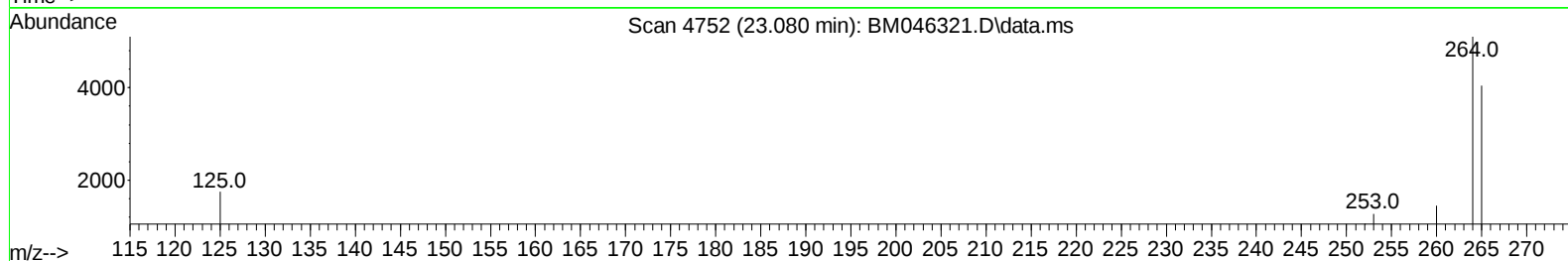
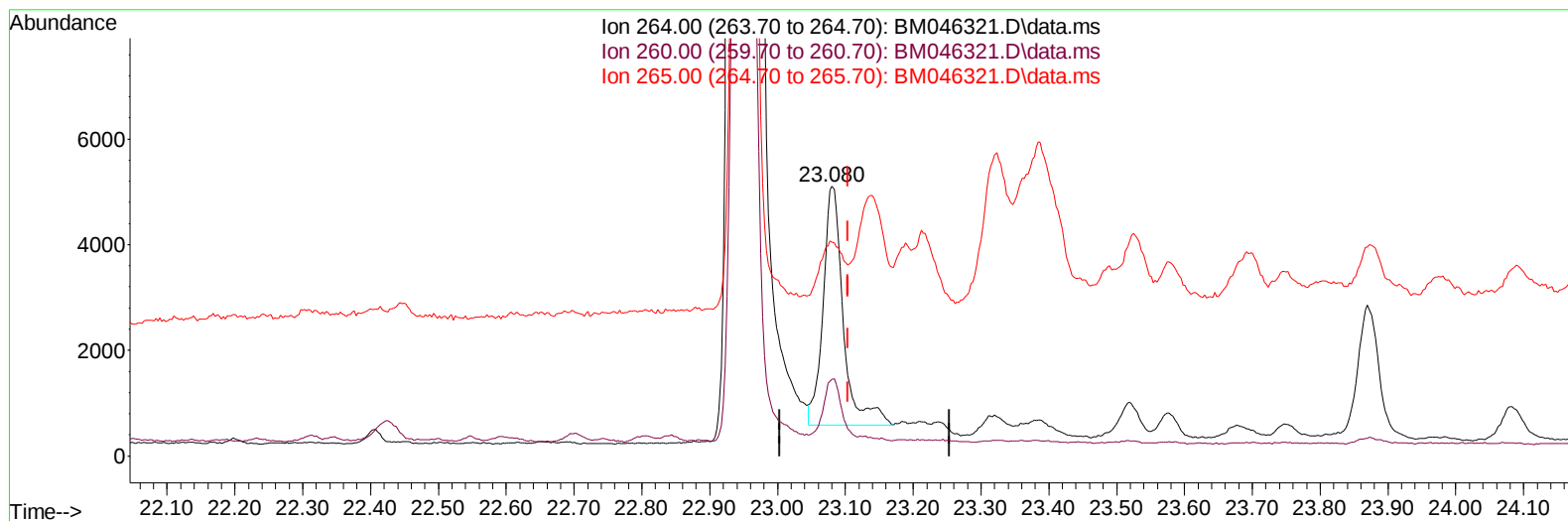
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046321.D
Acq On : 26 Jun 2024 09:42
Operator : MA/JU
Sample : P2909-18
Misc :
ALS Vial : 82 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B41

Manual IntegrationsAPPROVED

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TIC: BM046321.D\data.ms

(23) Perylene-d12 (I)

23.080min (-0.023) 0.40 ng/u1

response 9354

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	28.45
265.00	110.60	79.34#
0.00	0.00	0.00

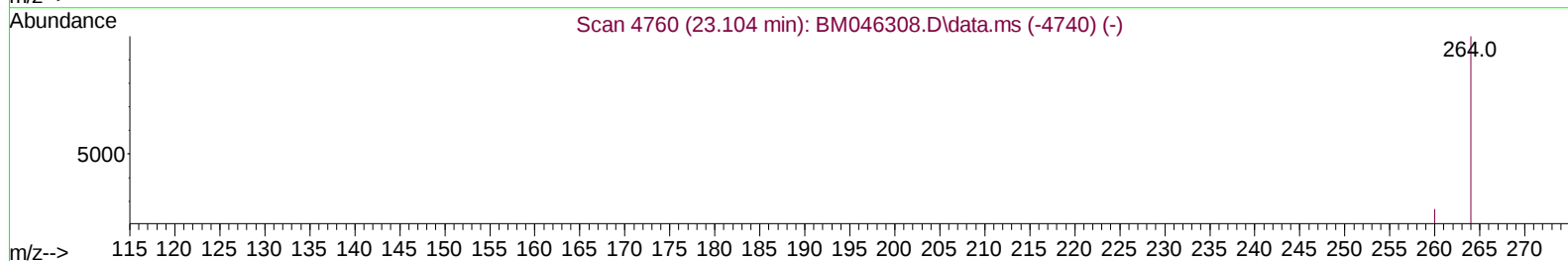
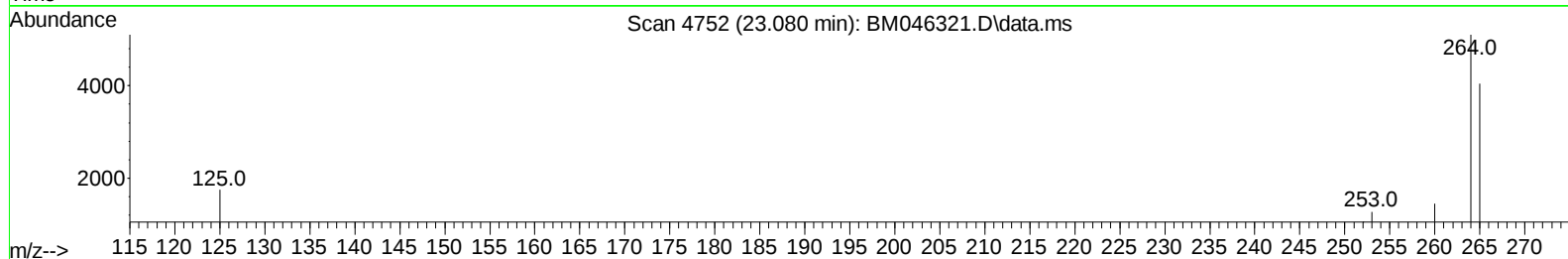
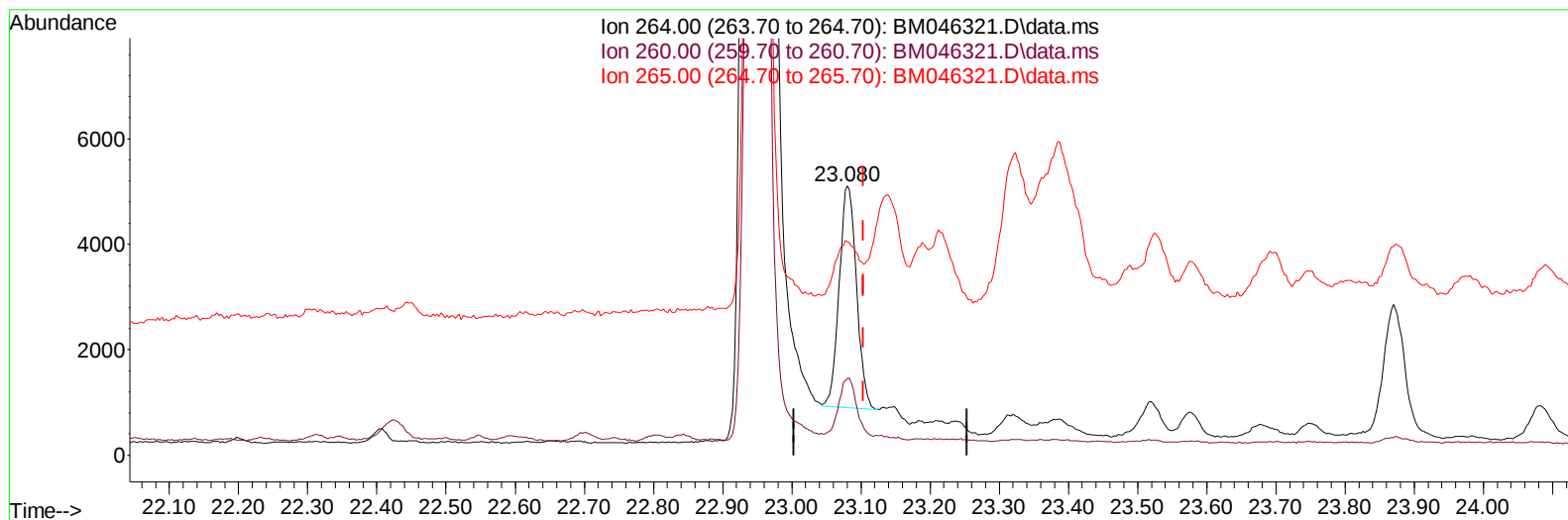
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
 Data File : BM046321.D
 Acq On : 26 Jun 2024 09:42
 Operator : MA/JU
 Sample : P2909-18
 Misc :
 ALS Vial : 82 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4B41

Manual IntegrationsAPPROVED

Quant Time: Jun 26 11:12:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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 Supervised By :mohammad ahmed 06/27/2024



TIC: BM046321.D\data.ms

(23) Perylene-d12 (I)

23.080min (-0.023) 0.40 ng/u1 m

response 7285

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	28.45
265.00	110.60	79.34#
0.00	0.00	0.00

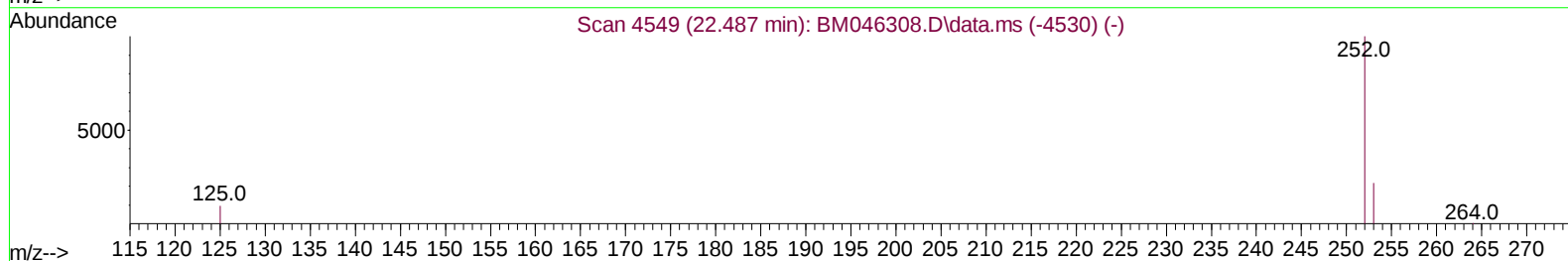
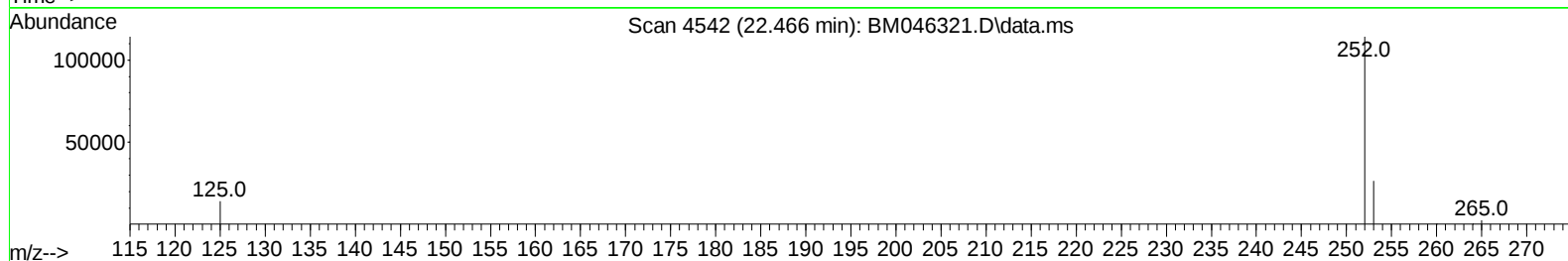
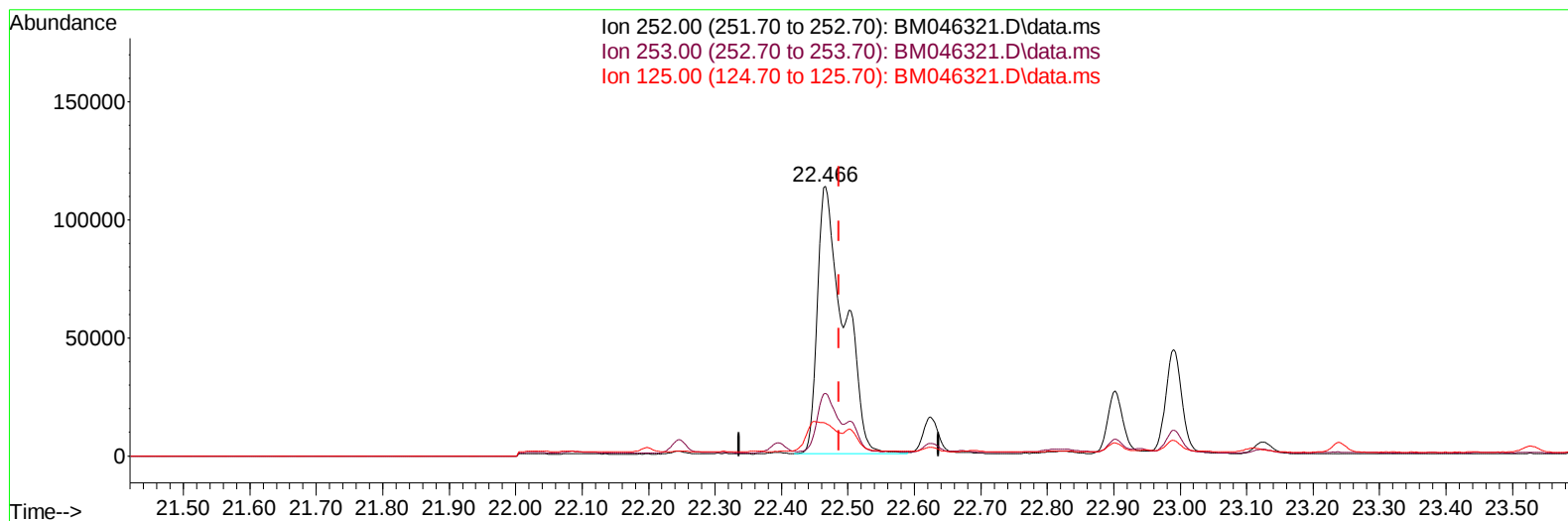
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
 Data File : BM046321.D
 Acq On : 26 Jun 2024 09:42
 Operator : MA/JU
 Sample : P2909-18
 Misc :
 ALS Vial : 82 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BM046321.D\data.ms

(24) Benzo(b)fluoranthene

22.466min (-0.020) 11.98 ng/u1

response 314559

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	23.27
125.00	20.10	12.25
0.00	0.00	0.00

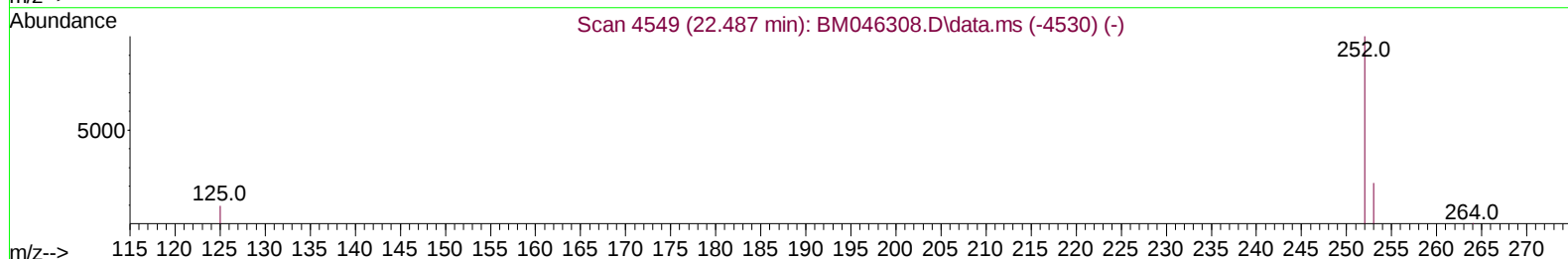
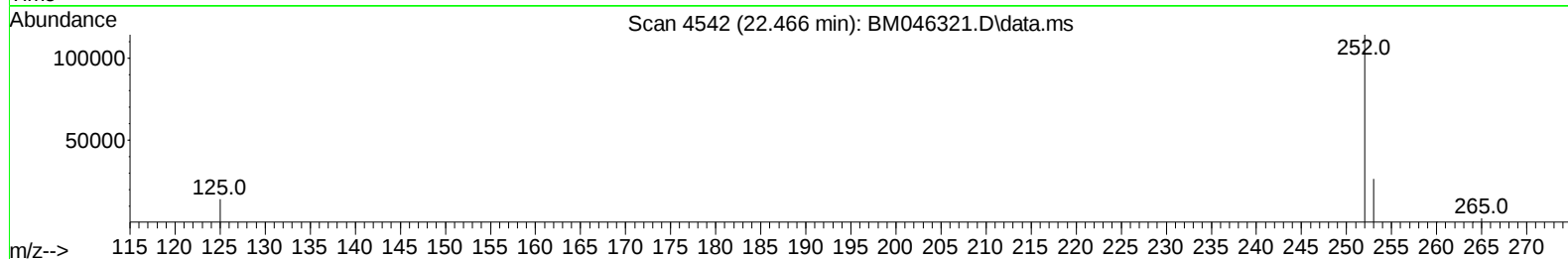
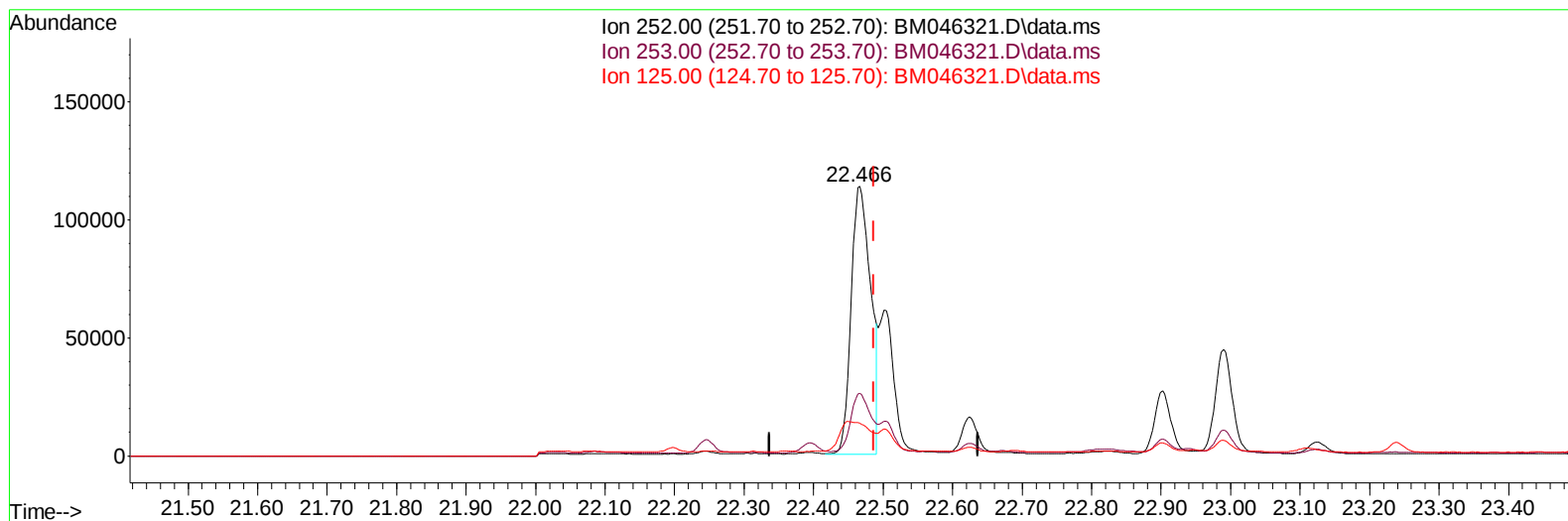
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046321.D
Acq On : 26 Jun 2024 09:42
Operator : MA/JU
Sample : P2909-18
Misc :
ALS Vial : 82 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B41

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046321.D\data.ms

(24) Benzo(b)fluoranthene

22.466min (-0.020) 8.39 ng/u1 m

response 220238

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	23.27
125.00	20.10	12.25
0.00	0.00	0.00

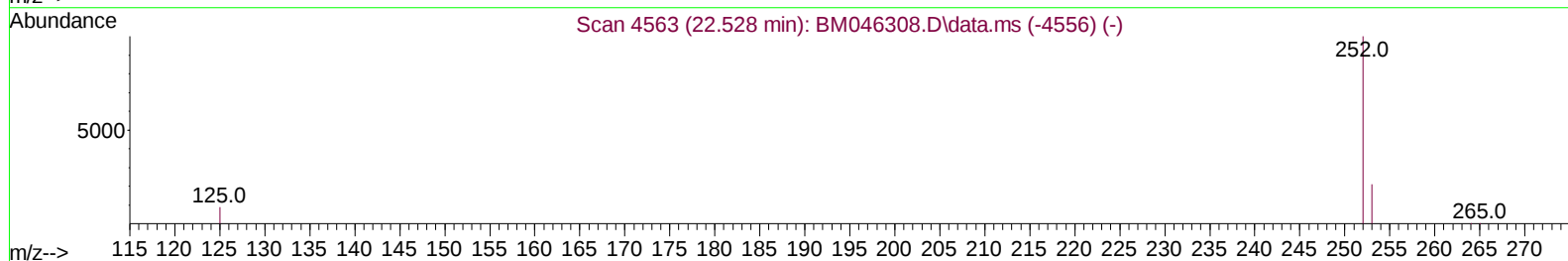
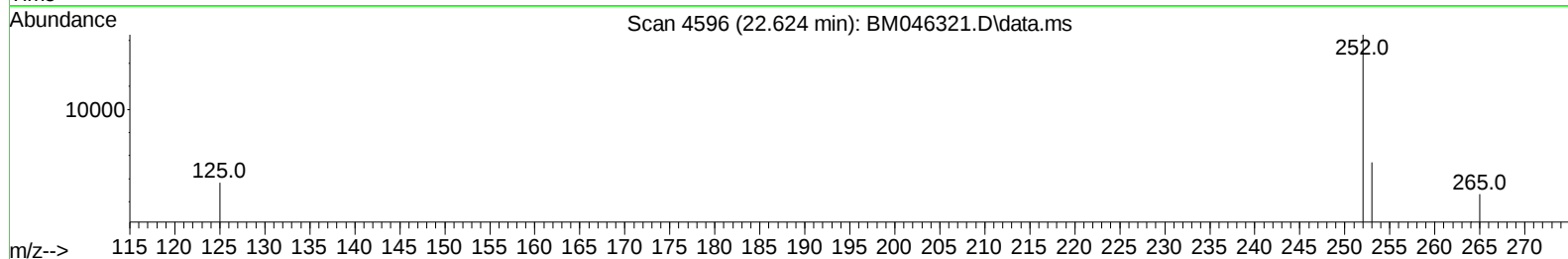
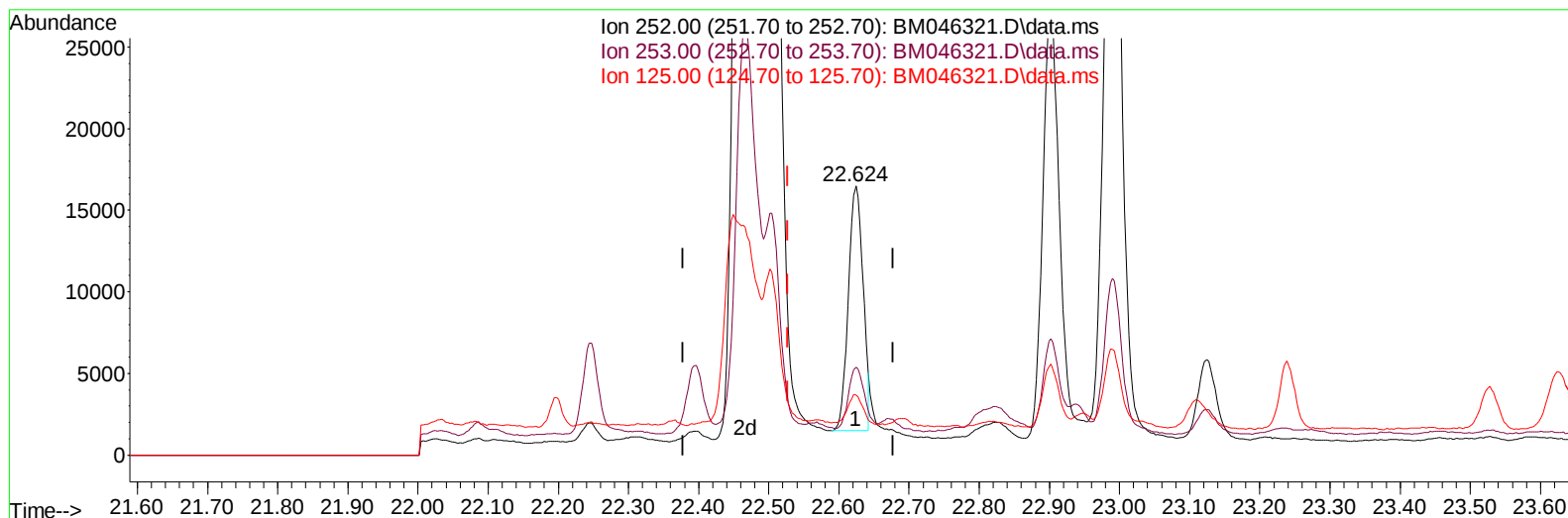
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046321.D
Acq On : 26 Jun 2024 09:42
Operator : MA/JU
Sample : P2909-18
Misc :
ALS Vial : 82 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B41

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024

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TIC: BM046321.D\data.ms

(25) Benzo(k)fluoranthene

22.624min (+ 0.097) 0.70 ng/u1

response 21926

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	32.76
125.00	20.80	22.23
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
 Data File : BM046321.D
 Acq On : 26 Jun 2024 09:42
 Operator : MA/JU
 Sample : P2909-18
 Misc :
 ALS Vial : 82 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4B41

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/26/2024
 Supervised By :mohammad ahmed 06/27/2024

Quant Time: Jun 26 11:12:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 26 03:24:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.392	152	1777	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.167	136	5303	0.400	ng/ul	-0.05
9) Acenaphthene-d10	14.044	164	3212	0.400	ng/ul	#-0.02
13) Phenanthrene-d10	16.787	188	8594m	0.400	ng/ul	-0.05
17) Chrysene-d12	20.994	240	6596m	0.400	ng/ul	-0.02
23) Perylene-d12	23.080	264	7285m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.016	96	6911	2.835	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.789	152	1777	0.250	ng/ul	-0.05
18) Fluoranthene-d10	18.821	212	5173	0.262	ng/ul	-0.04
Target Compounds						
					Qvalue	
5) Naphthalene	10.216	128	2340	0.158	ng/ul#	91
7) 2-Methylnaphthalene	11.860	142	942	0.113	ng/ul	99
8) 1-Methylnaphthalene	12.069	142	891	0.098	ng/ul	95
10) Acenaphthylene	13.757	152	6732	0.442	ng/ul	98
11) Acenaphthene	14.104	153	5313	0.483	ng/ul	99
12) Fluorene	15.099	166	6994	0.593	ng/ul	99
15) Phenanthrene	16.825	178	168515m	6.979	ng/ul	
16) Anthracene	16.918	178	36287m	2.018	ng/ul	
19) Fluoranthene	18.849	202	367303	12.861	ng/ul	97
20) Pyrene	19.216	202	240871	7.799	ng/ul	95
21) Benzo(a)anthracene	20.976	228	154901	6.080	ng/ul	99
22) Chrysene	21.029	228	171218	5.266	ng/ul	98
24) Benzo(b)fluoranthene	22.466	252	220238m	8.391	ng/ul	
25) Benzo(k)fluoranthene	22.501	252	93671m	3.002	ng/ul	
26) Benzo(a)pyrene	22.990	252	76019	3.126	ng/ul#	75
27) Indeno(1,2,3-cd)pyrene	25.118	276	84065	2.112	ng/ul#	99
28) Dibenzo(a,h)anthracene	25.118	278	29976	1.012	ng/ul#	88
29) Benzo(g,h,i)perylene	25.739	276	11751	0.344	ng/ul#	91

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046321.D
Acq On : 26 Jun 2024 09:42
Operator : MA/JU
Sample : P2909-18
Misc :
ALS Vial : 82 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B41

Manual IntegrationsAPPROVED

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