

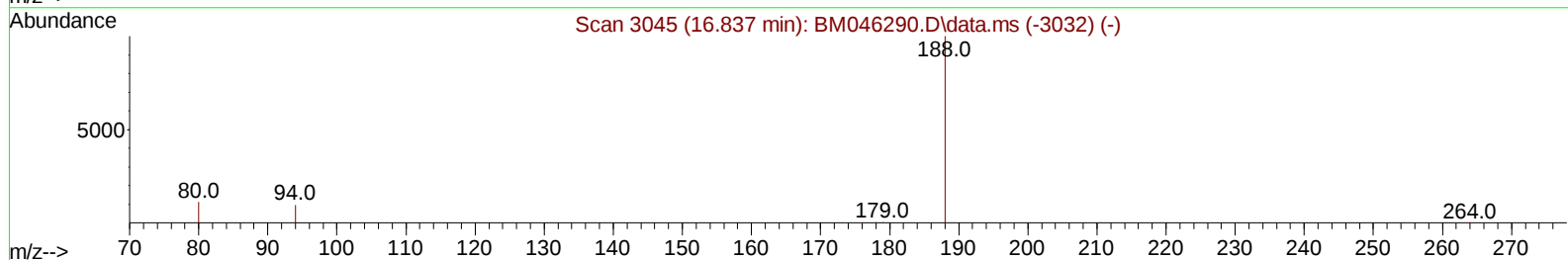
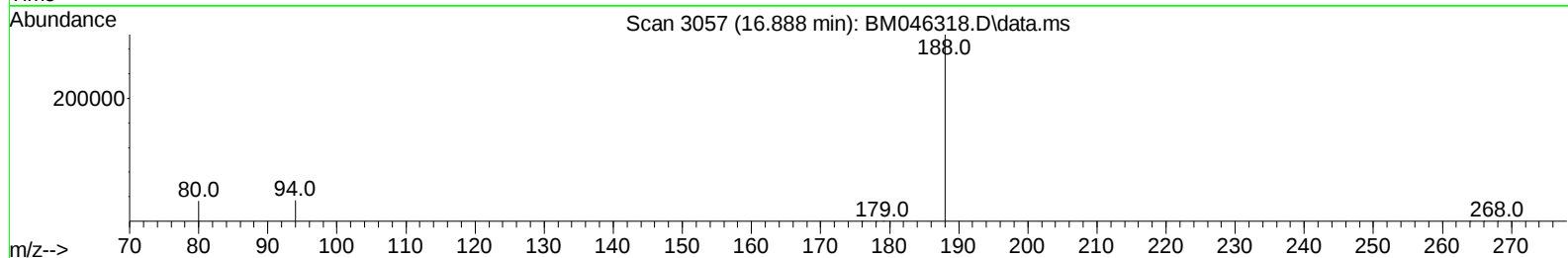
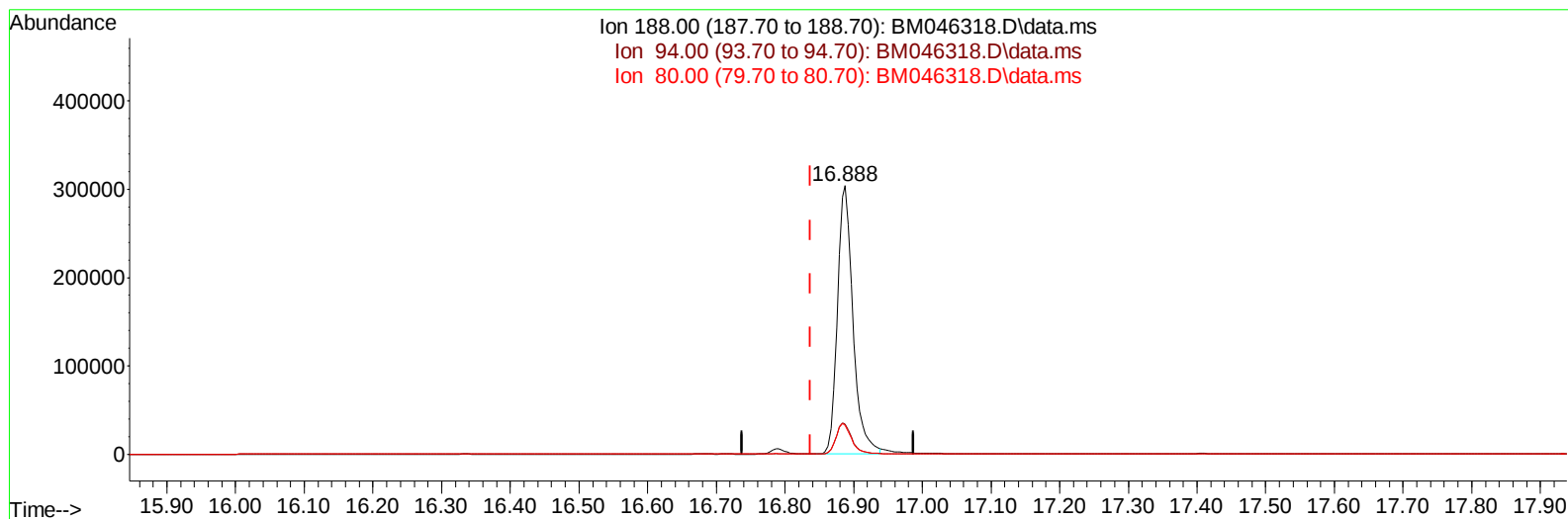
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046318.D
Acq On : 26 Jun 2024 07:53
Operator : MA/JU
Sample : P2909-13
Misc :
ALS Vial : 79 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CP2

Manual IntegrationsAPPROVED

Quant Time: Jun 26 08:23:08 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: BM046318.D\data.ms

(13) Phenanthrene-d10 (I)

16.888min (+ 0.051) 0.40 ng/u1

response 477505

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	11.20
80.00	15.20	10.78#
0.00	0.00	0.00

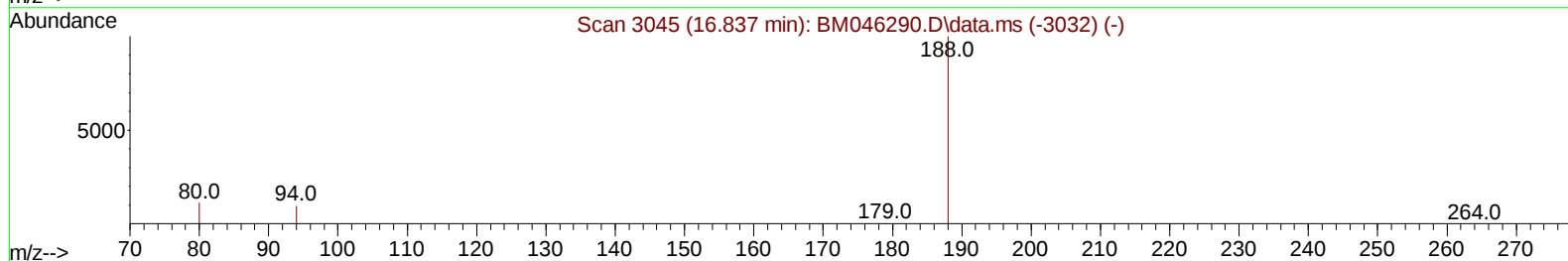
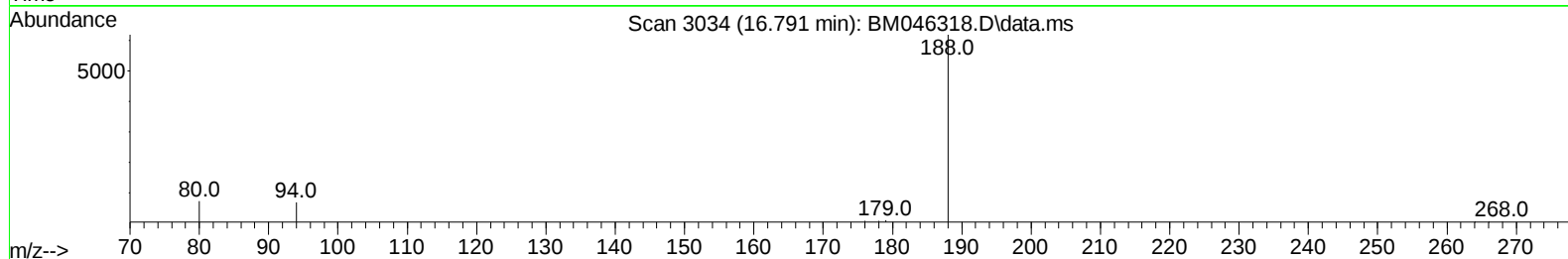
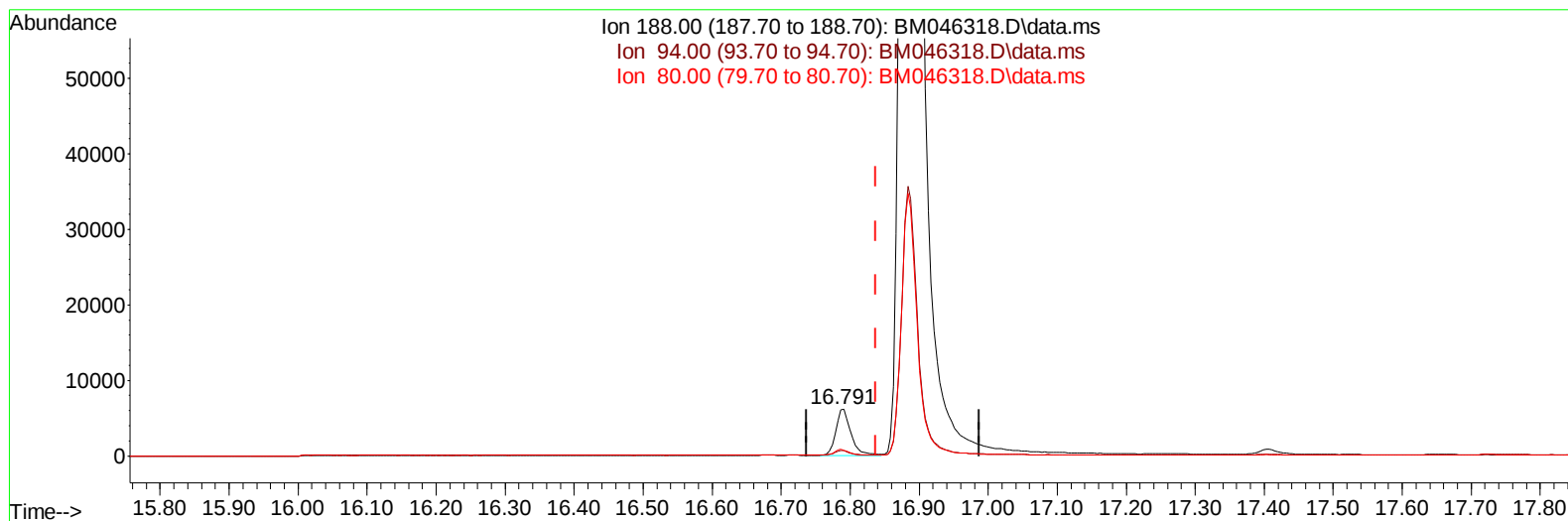
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046318.D
Acq On : 26 Jun 2024 07:53
Operator : MA/JU
Sample : P2909-13
Misc :
ALS Vial : 79 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CP2

Manual IntegrationsAPPROVED

Quant Time: Jun 26 08:23:08 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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: BM046318.D\data.ms

(13) Phenanthrene-d10 (I)

16.791min (-0.047) 0.40 ng/u1 m

response 9453

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	11.22
80.00	15.20	12.02#
0.00	0.00	0.00

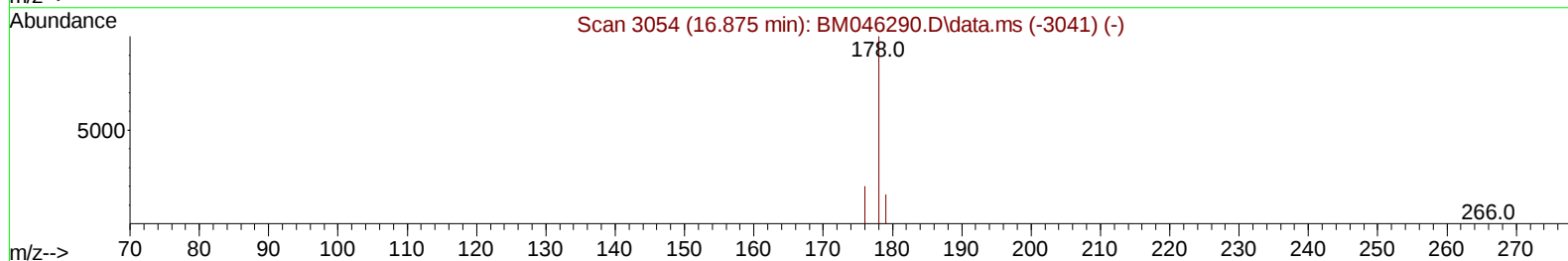
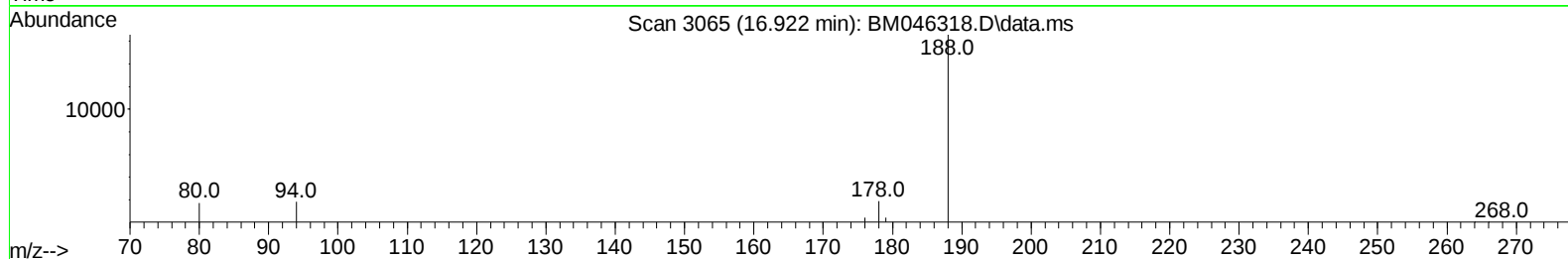
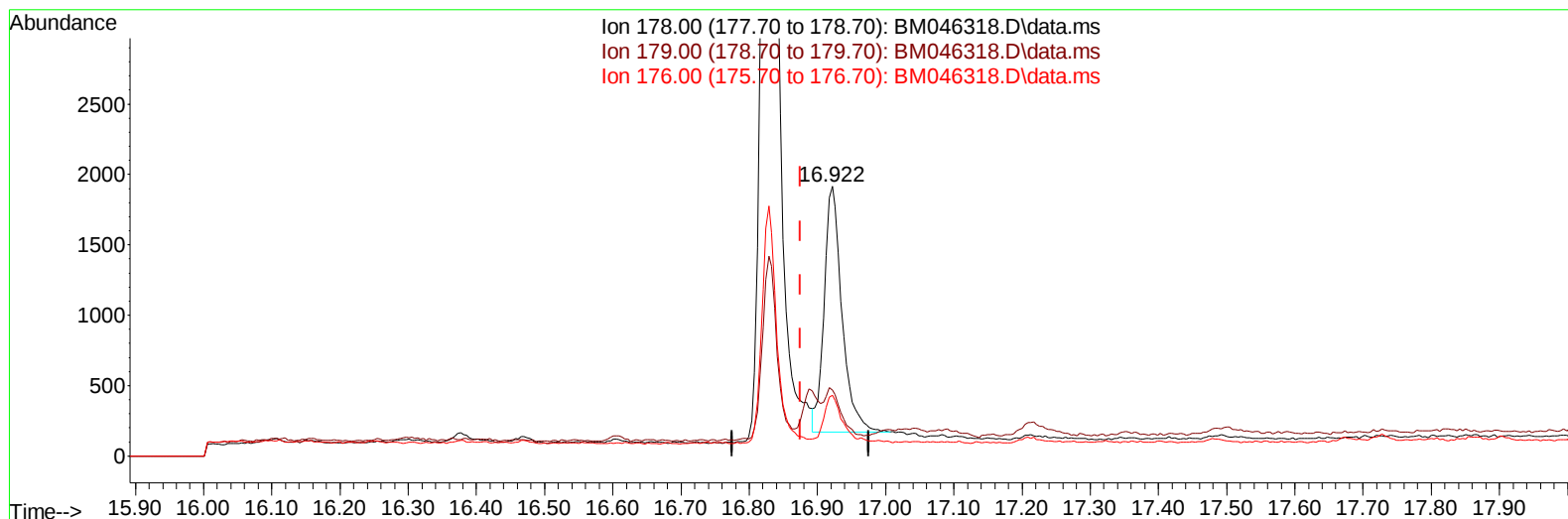
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046318.D
Acq On : 26 Jun 2024 07:53
Operator : MA/JU
Sample : P2909-13
Misc :
ALS Vial : 79 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CP2

Manual IntegrationsAPPROVED

Quant Time: Jun 26 08:23:08 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 26 03:24:28 2024
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Supervised By :mohammad ahmed 06/27/2024



TIC: BM046318.D\data.ms

(15) Phenanthrene

16.922min (+ 0.046) 0.12 ng/u1

response 3160

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	24.40#
176.00	21.40	22.62
0.00	0.00	0.00

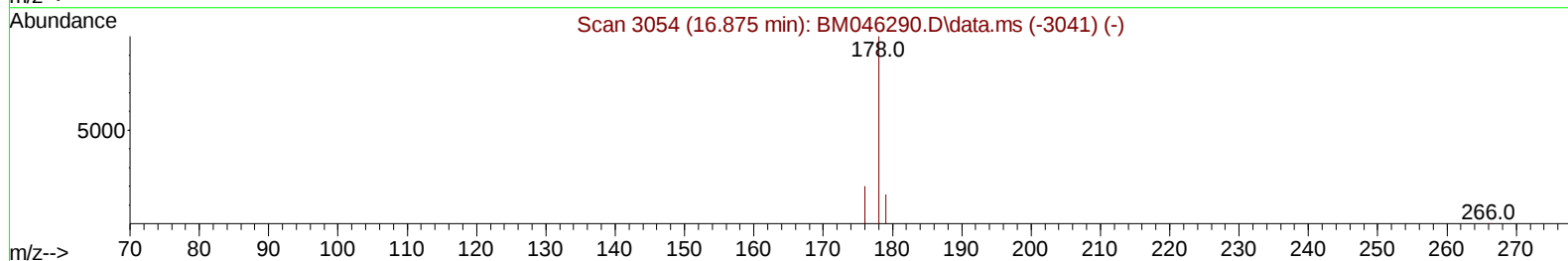
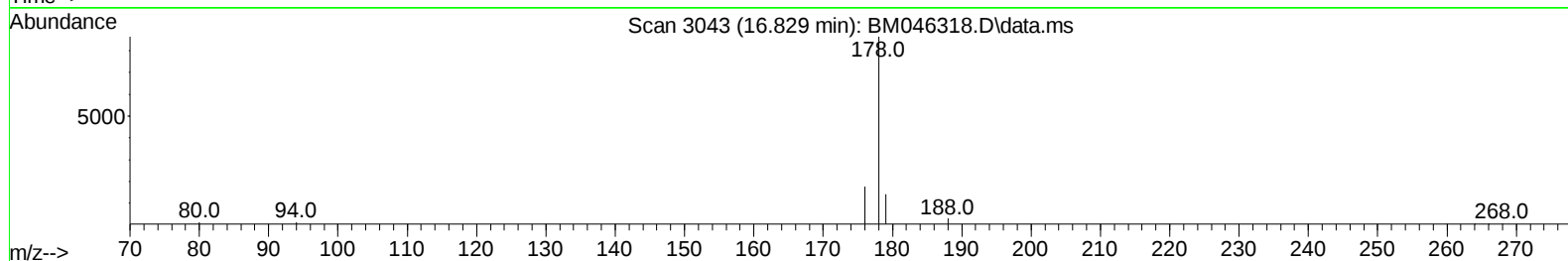
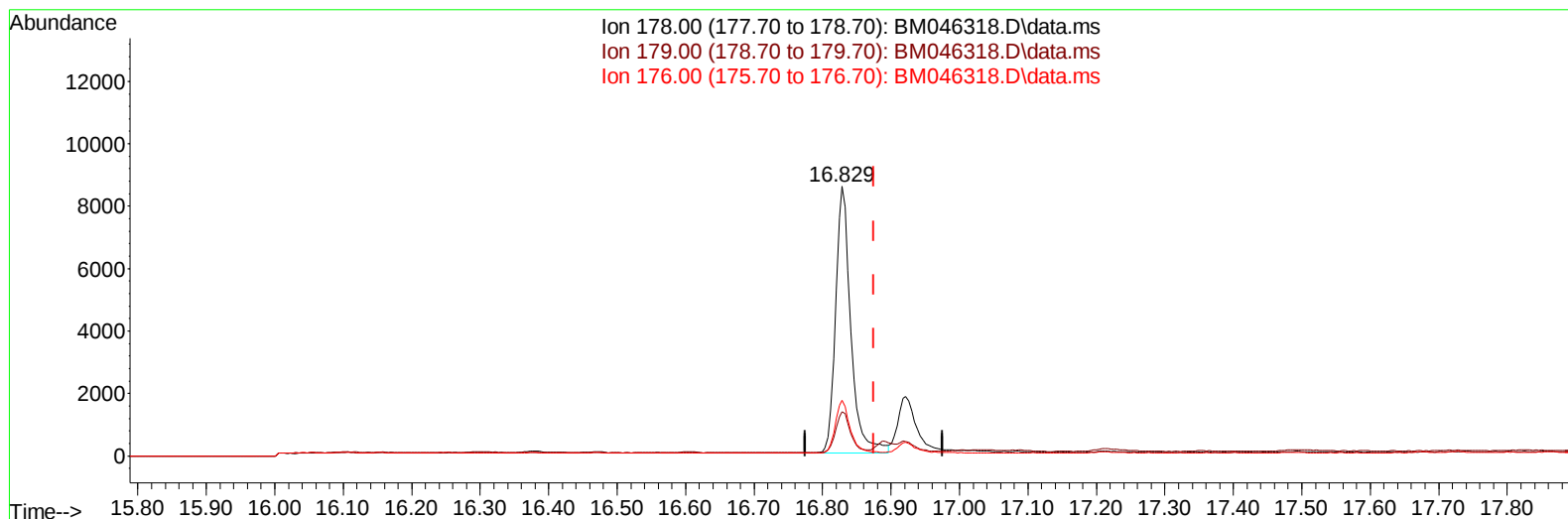
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046318.D
Acq On : 26 Jun 2024 07:53
Operator : MA/JU
Sample : P2909-13
Misc :
ALS Vial : 79 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CP2

Manual IntegrationsAPPROVED

Quant Time: Jun 26 08:23:08 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: BM046318.D\data.ms

(15) Phenanthrene

16.829min (-0.047) 0.50 ng/ul m

response 13229

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	16.45
176.00	21.40	20.59
0.00	0.00	0.00

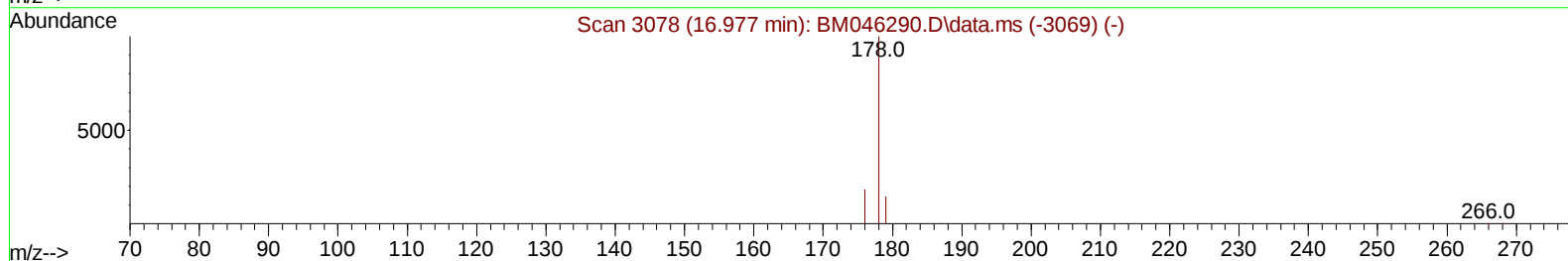
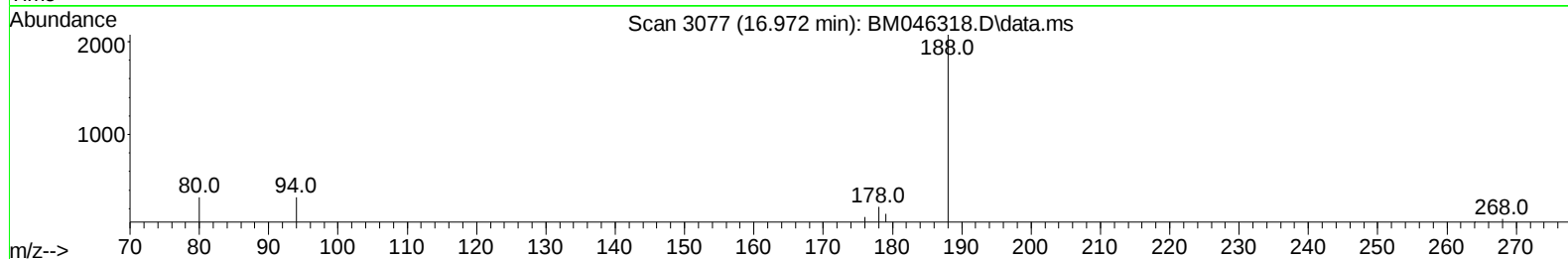
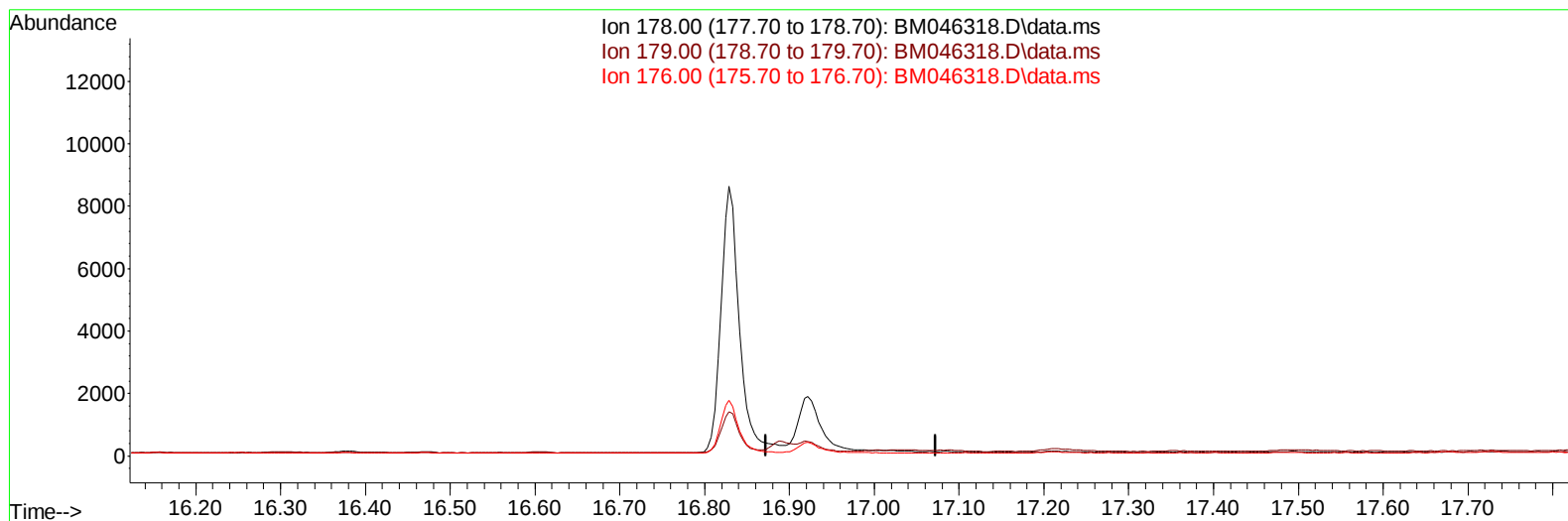
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046318.D
Acq On : 26 Jun 2024 07:53
Operator : MA/JU
Sample : P2909-13
Misc :
ALS Vial : 79 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CP2

Manual IntegrationsAPPROVED

Quant Time: Jun 26 08:23:08 2024
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TIC: BM046318.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

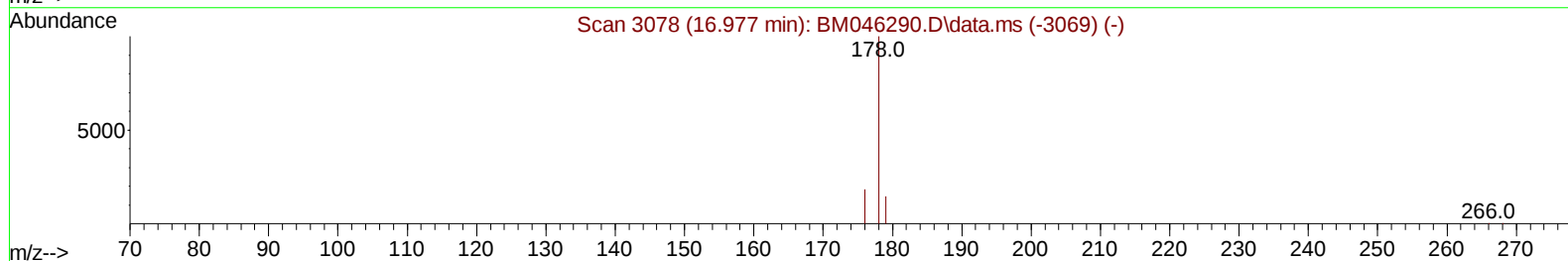
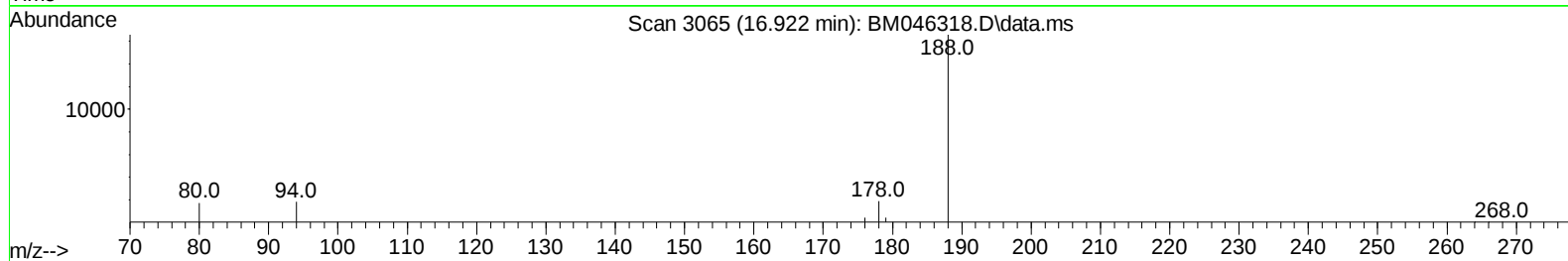
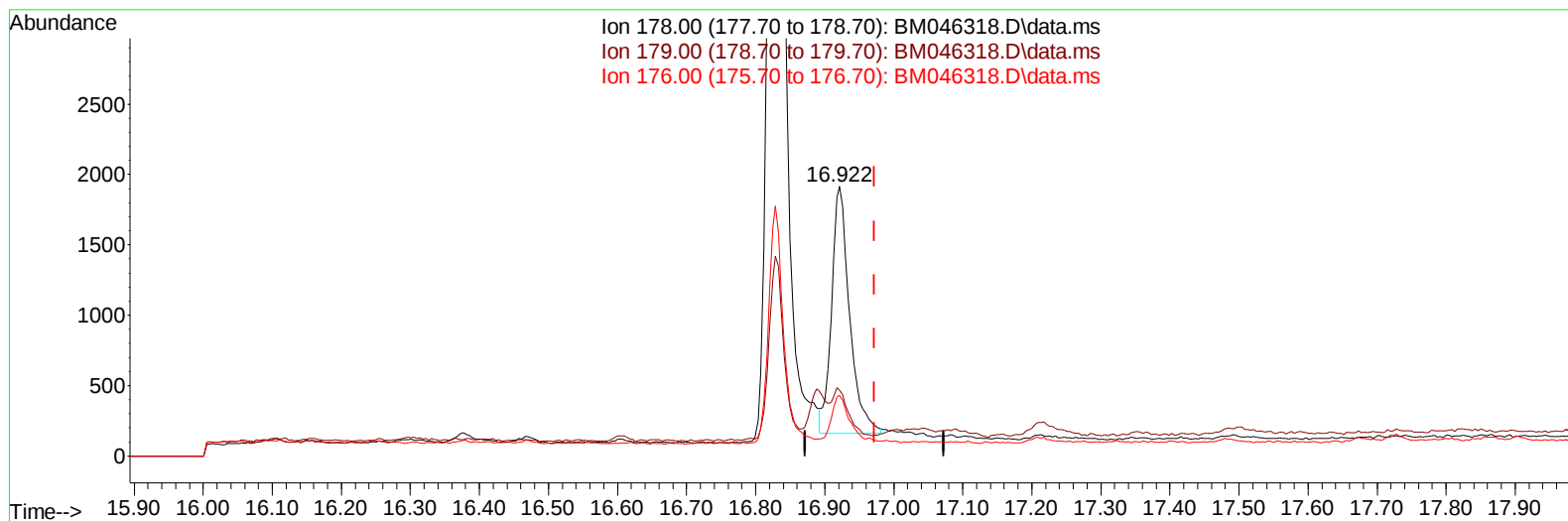
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046318.D
Acq On : 26 Jun 2024 07:53
Operator : MA/JU
Sample : P2909-13
Misc :
ALS Vial : 79 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CP2

Manual IntegrationsAPPROVED

Quant Time: Jun 26 08:23:08 2024
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TIC: BM046318.D\data.ms

(16) Anthracene

16.922min (-0.051) 0.16 ng/ul m

response 3180

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	24.40#
176.00	21.20	22.62
0.00	0.00	0.00

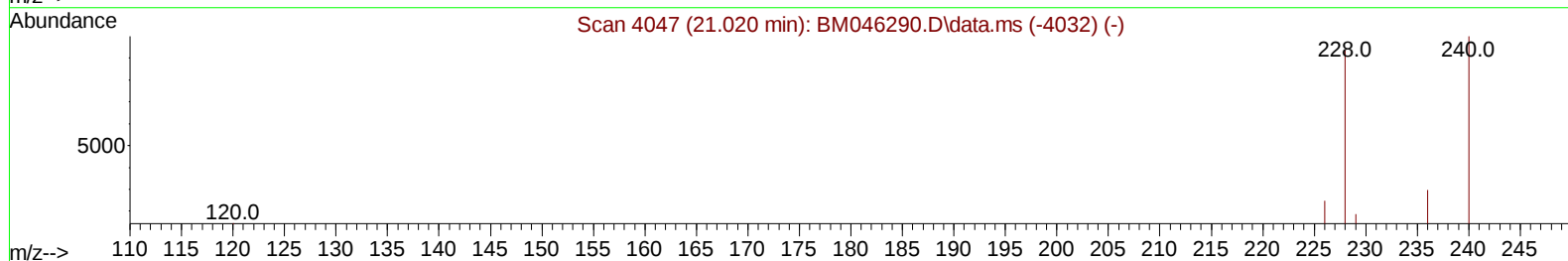
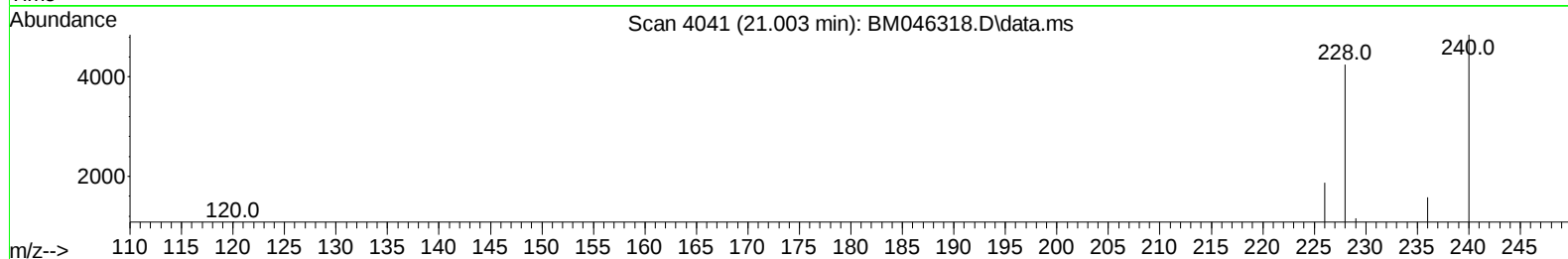
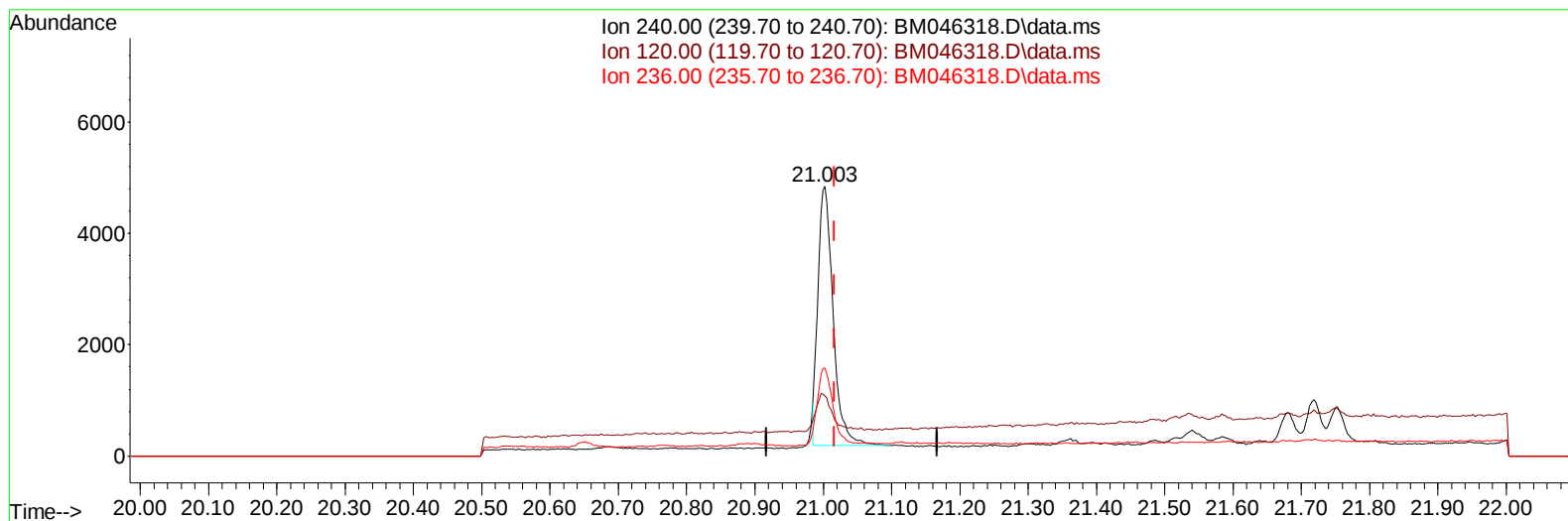
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046318.D
Acq On : 26 Jun 2024 07:53
Operator : MA/JU
Sample : P2909-13
Misc :
ALS Vial : 79 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CP2

Manual IntegrationsAPPROVED

Quant Time: Jun 26 08:23:08 2024
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TIC: BM046318.D\data.ms

(17) Chrysene-d12

21.003min (-0.015) 0.40 ng/u1

response 7210

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	22.27
236.00	33.60	32.65
0.00	0.00	0.00

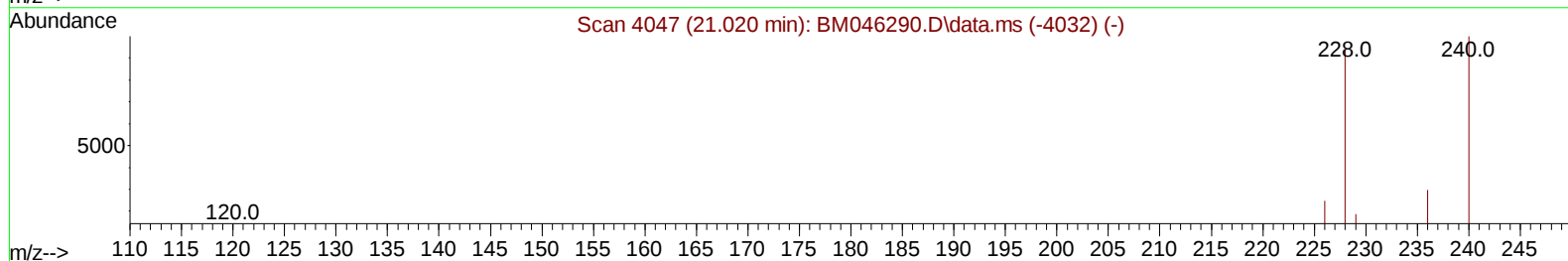
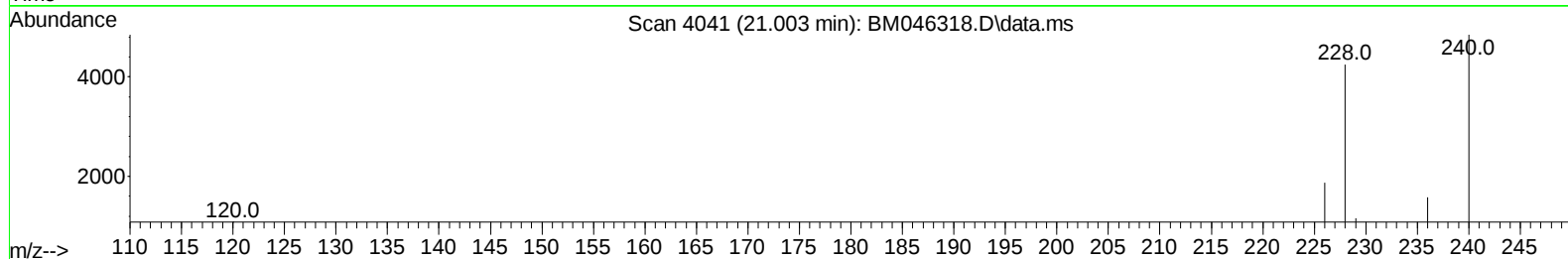
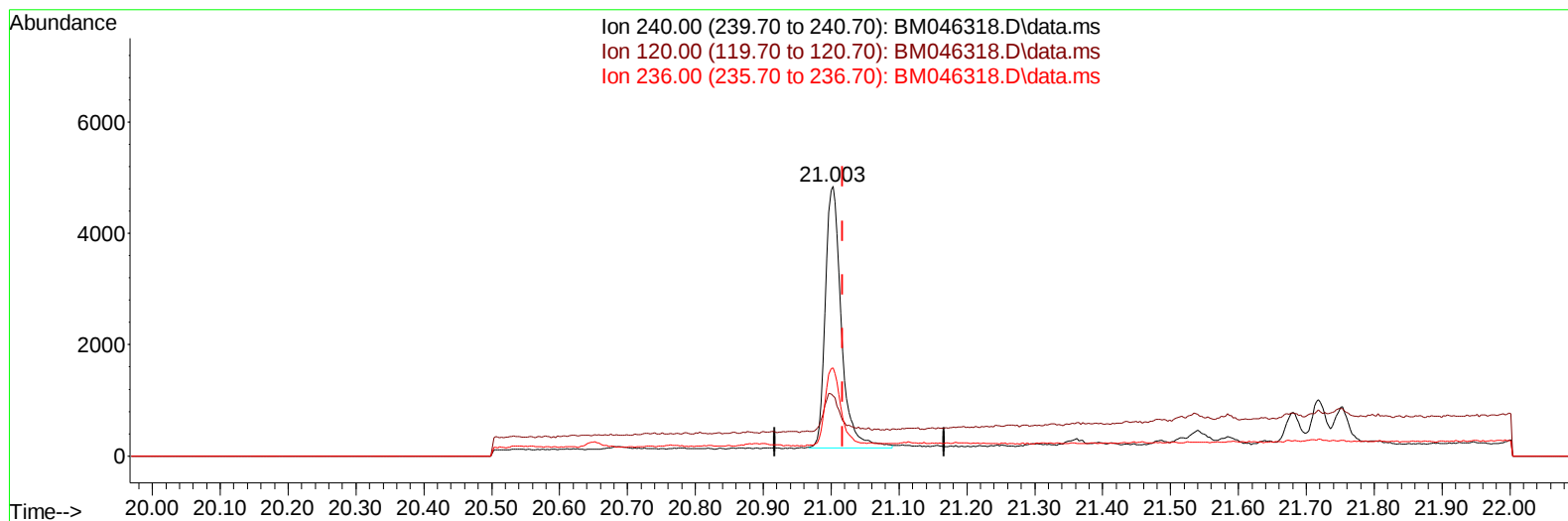
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046318.D
Acq On : 26 Jun 2024 07:53
Operator : MA/JU
Sample : P2909-13
Misc :
ALS Vial : 79 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CP2

Manual IntegrationsAPPROVED

Quant Time: Jun 26 08:23:08 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: BM046318.D\data.ms

(17) Chrysene-d12

21.003min (-0.015) 0.40 ng/u1 m

response 7745

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	22.27
236.00	33.60	32.65
0.00	0.00	0.00

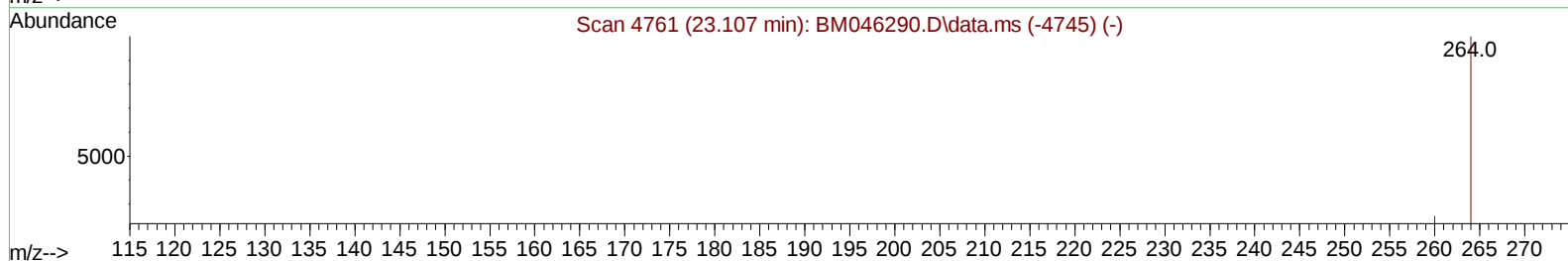
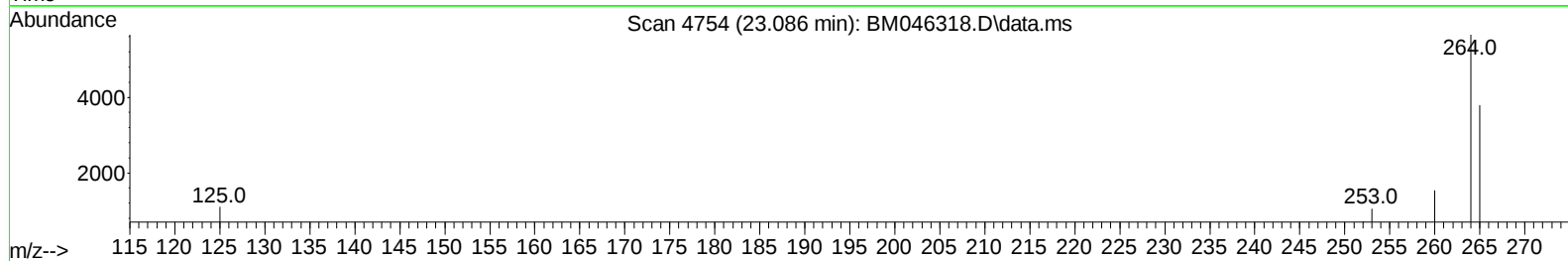
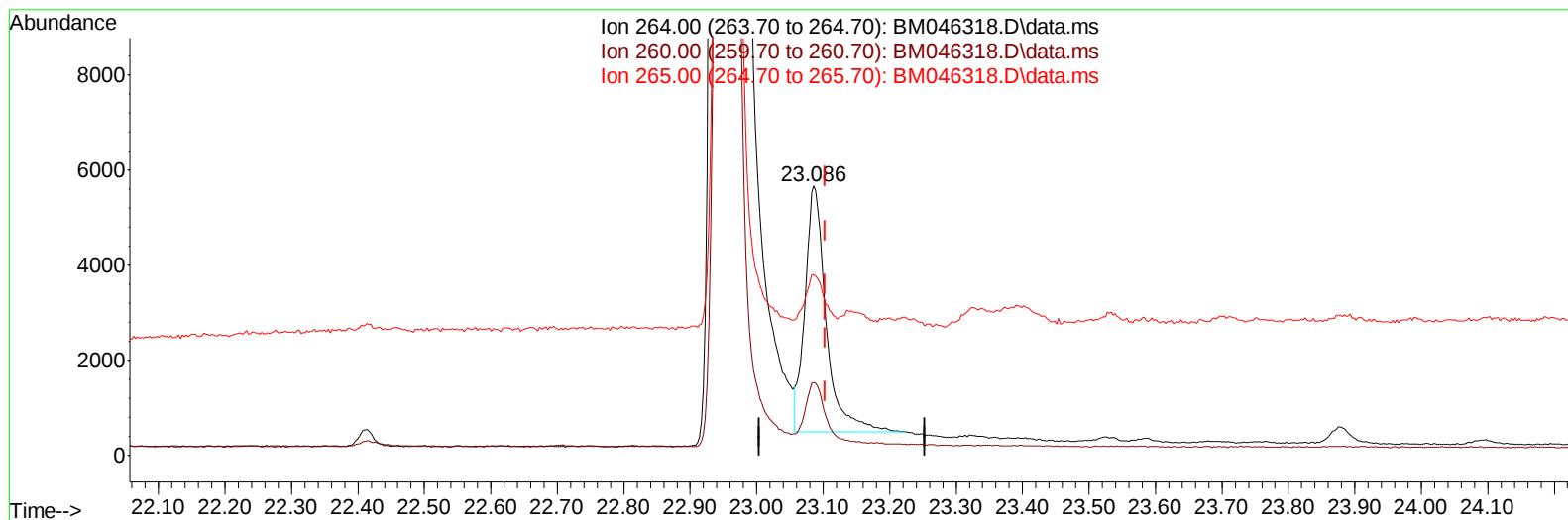
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046318.D
Acq On : 26 Jun 2024 07:53
Operator : MA/JU
Sample : P2909-13
Misc :
ALS Vial : 79 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CP2

Manual IntegrationsAPPROVED

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

Quant Time: Jun 26 08:23:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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TIC: BM046318.D\data.ms

(23) Perylene-d12 (I)

23.086min (-0.018) 0.40 ng/u1

response 11498

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.06
265.00	110.60	67.11#
0.00	0.00	0.00

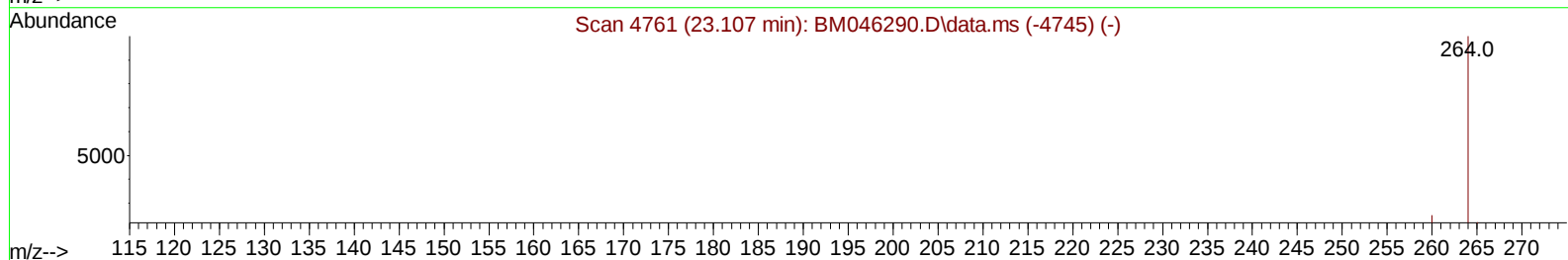
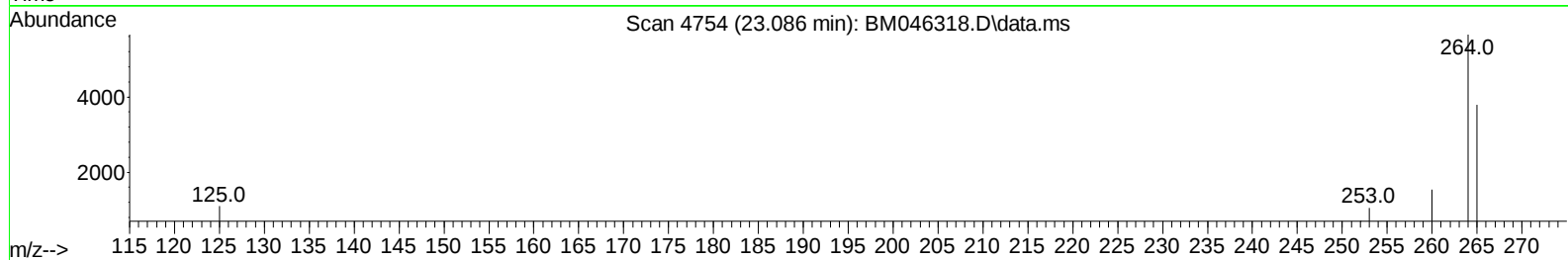
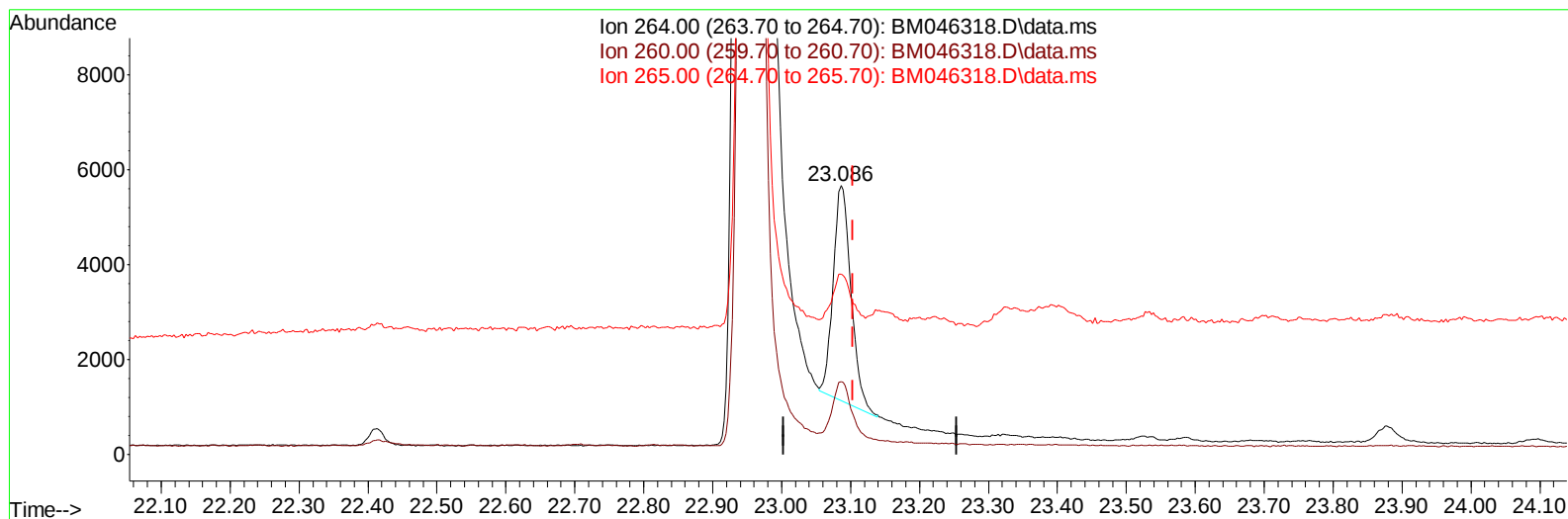
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046318.D
Acq On : 26 Jun 2024 07:53
Operator : MA/JU
Sample : P2909-13
Misc :
ALS Vial : 79 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CP2

Manual IntegrationsAPPROVED

Quant Time: Jun 26 08:23:08 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: BM046318.D\data.ms

(23) Perylene-d12 (I)

23.086min (-0.018) 0.40 ng/ul m

response 8104

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.06
265.00	110.60	67.11#
0.00	0.00	0.00

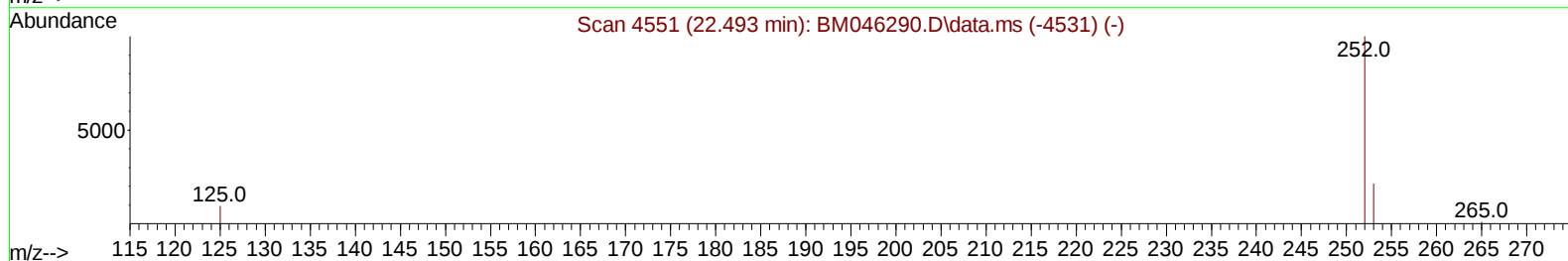
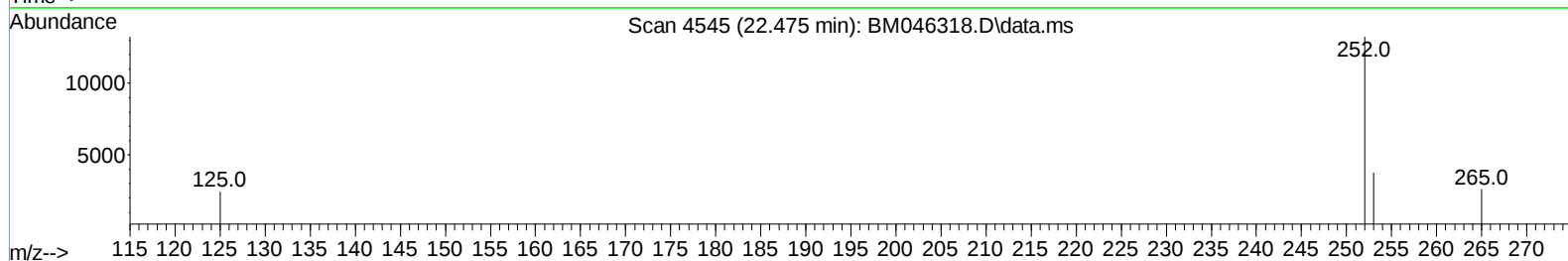
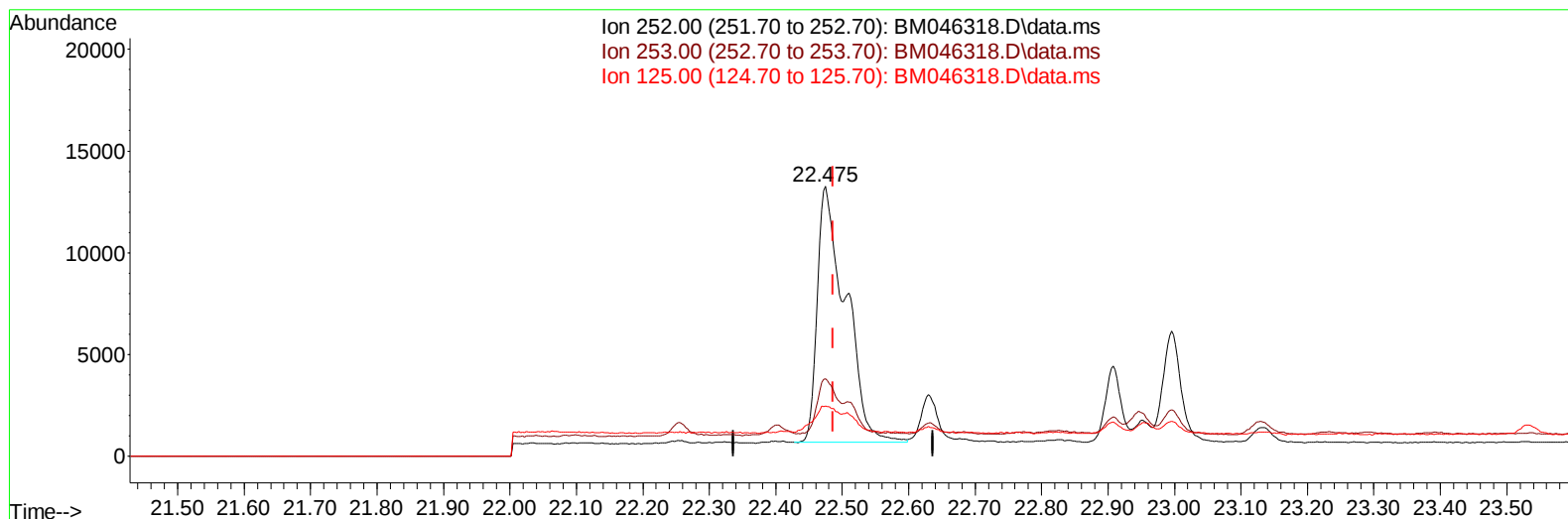
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046318.D
Acq On : 26 Jun 2024 07:53
Operator : MA/JU
Sample : P2909-13
Misc :
ALS Vial : 79 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CP2

Manual IntegrationsAPPROVED

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TIC: BM046318.D\data.ms

(24) Benzo(b)fluoranthene

22.475min (-0.012) 1.28 ng/u1

response 37265

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	28.63
125.00	20.10	18.54
0.00	0.00	0.00

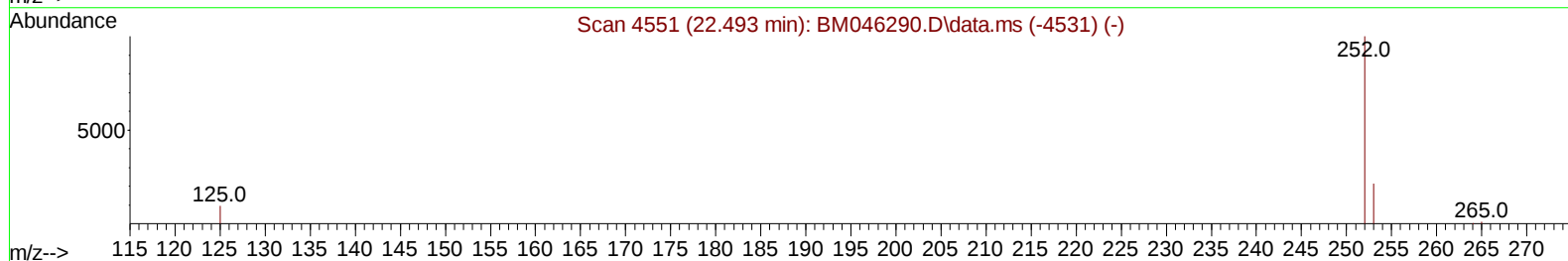
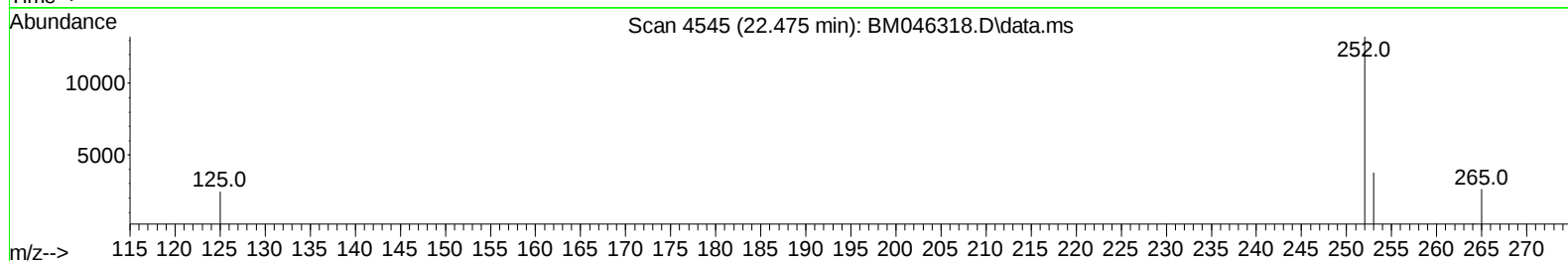
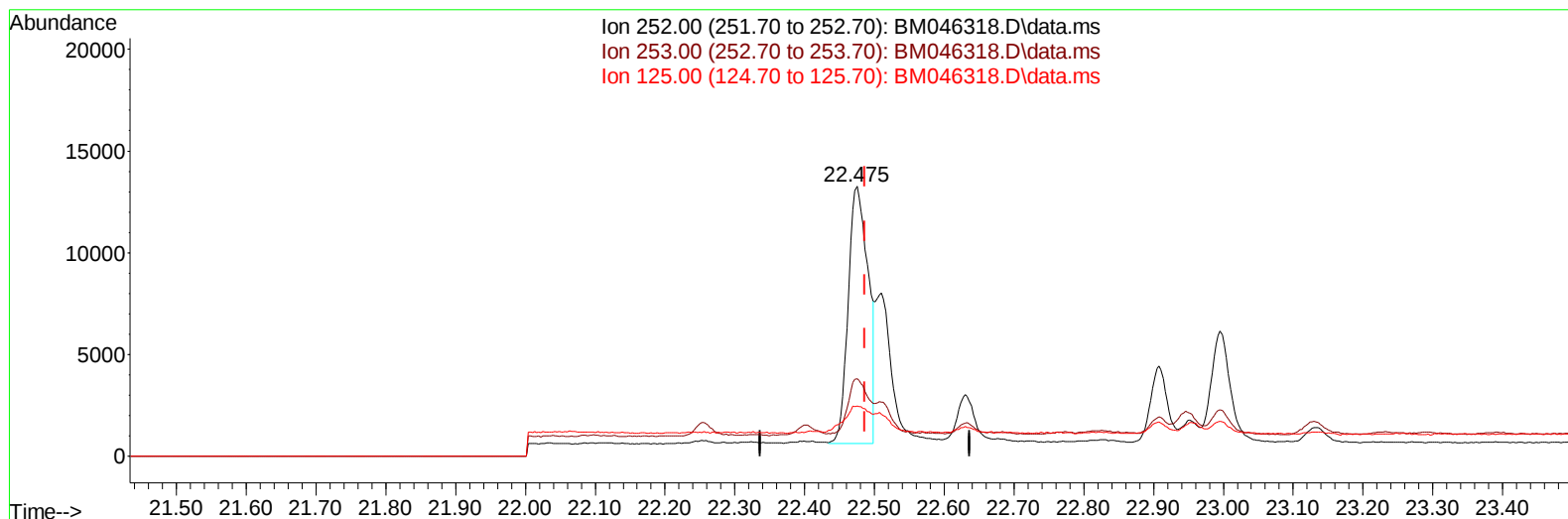
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046318.D
Acq On : 26 Jun 2024 07:53
Operator : MA/JU
Sample : P2909-13
Misc :
ALS Vial : 79 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CP2

Manual IntegrationsAPPROVED

Quant Time: Jun 26 08:23:08 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: BM046318.D\data.ms

(24) Benzo(b)fluoranthene

22.475min (-0.012) 0.87 ng/u1 m

response 25277

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	28.63
125.00	20.10	18.54
0.00	0.00	0.00

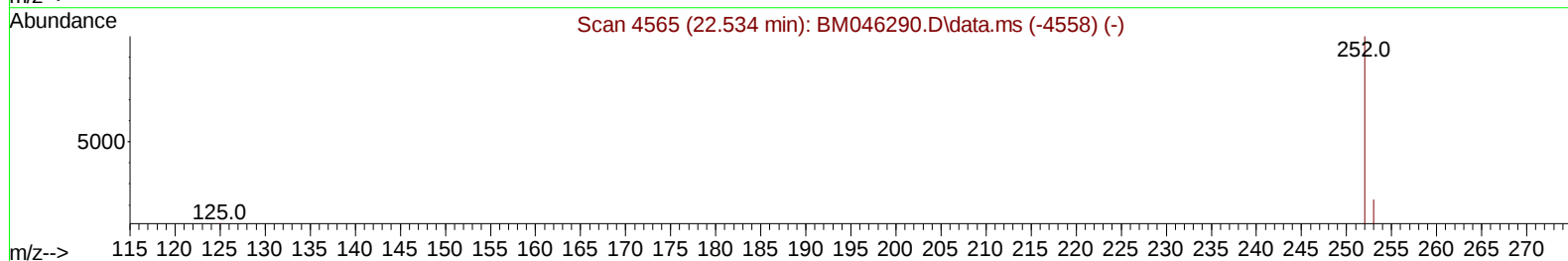
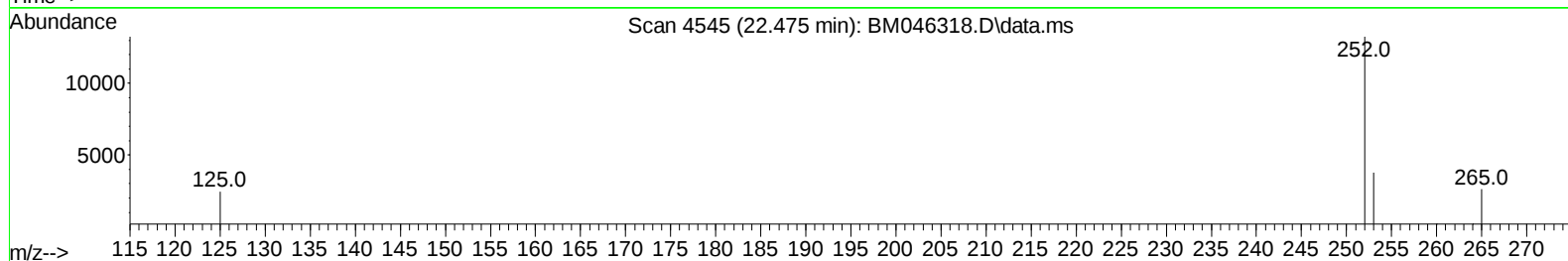
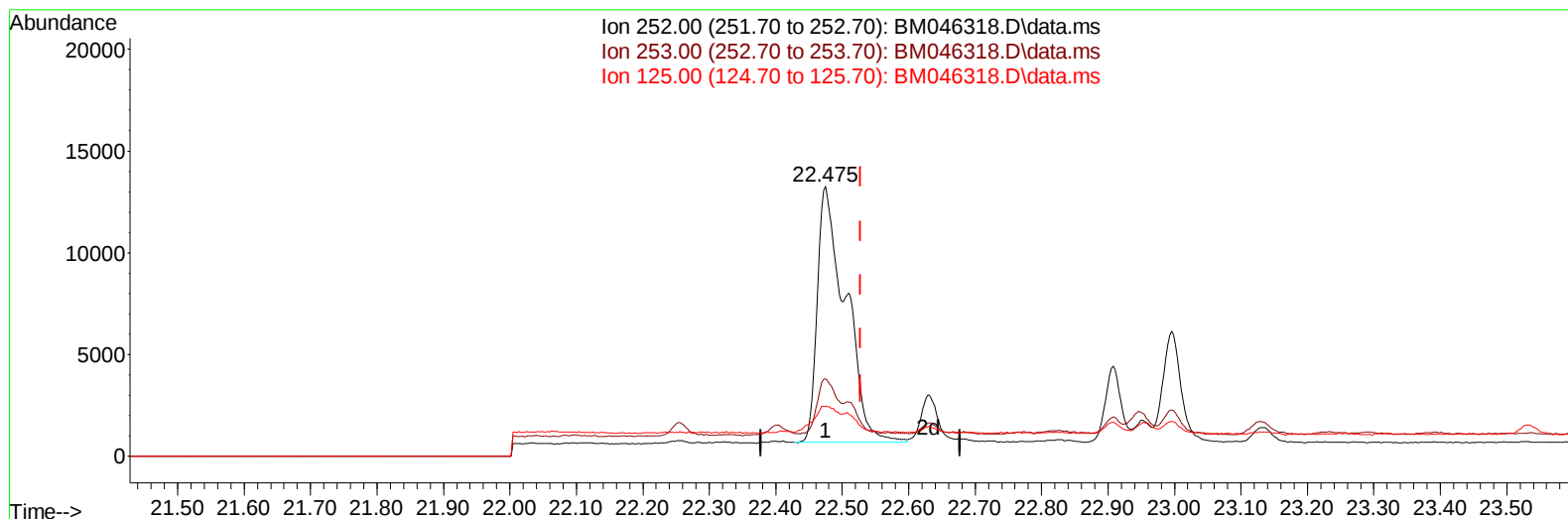
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046318.D
Acq On : 26 Jun 2024 07:53
Operator : MA/JU
Sample : P2909-13
Misc :
ALS Vial : 79 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CP2

Manual IntegrationsAPPROVED

Quant Time: Jun 26 08:23:08 2024
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Supervised By :mohammad ahmed 06/27/2024



TIC: BM046318.D\data.ms

(25) Benzo(k)fluoranthene

22.475min (-0.053) 1.07 ng/u1

response 37265

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	28.63
125.00	20.80	18.54
0.00	0.00	0.00

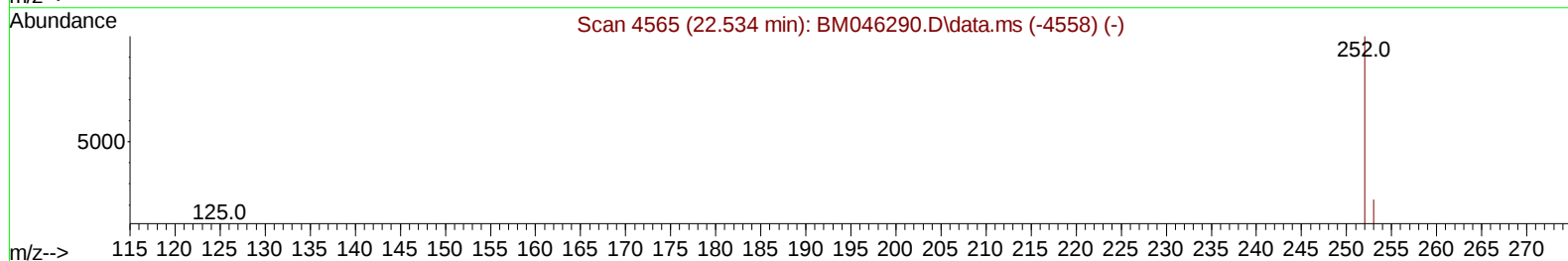
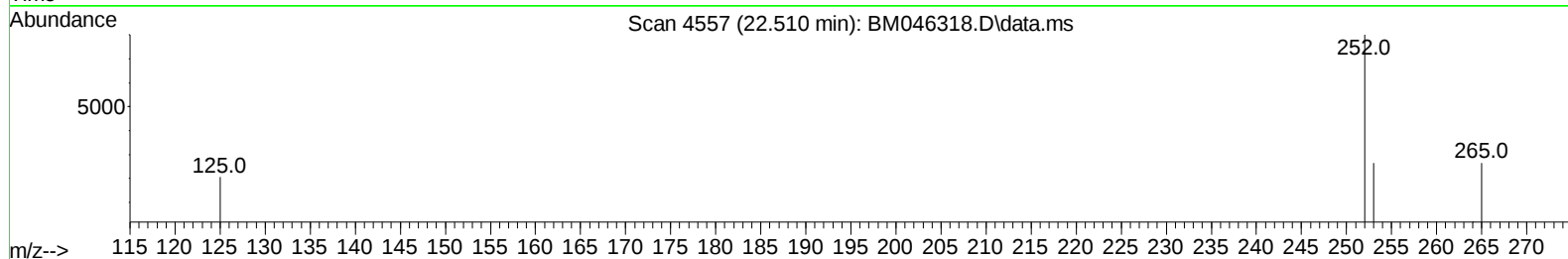
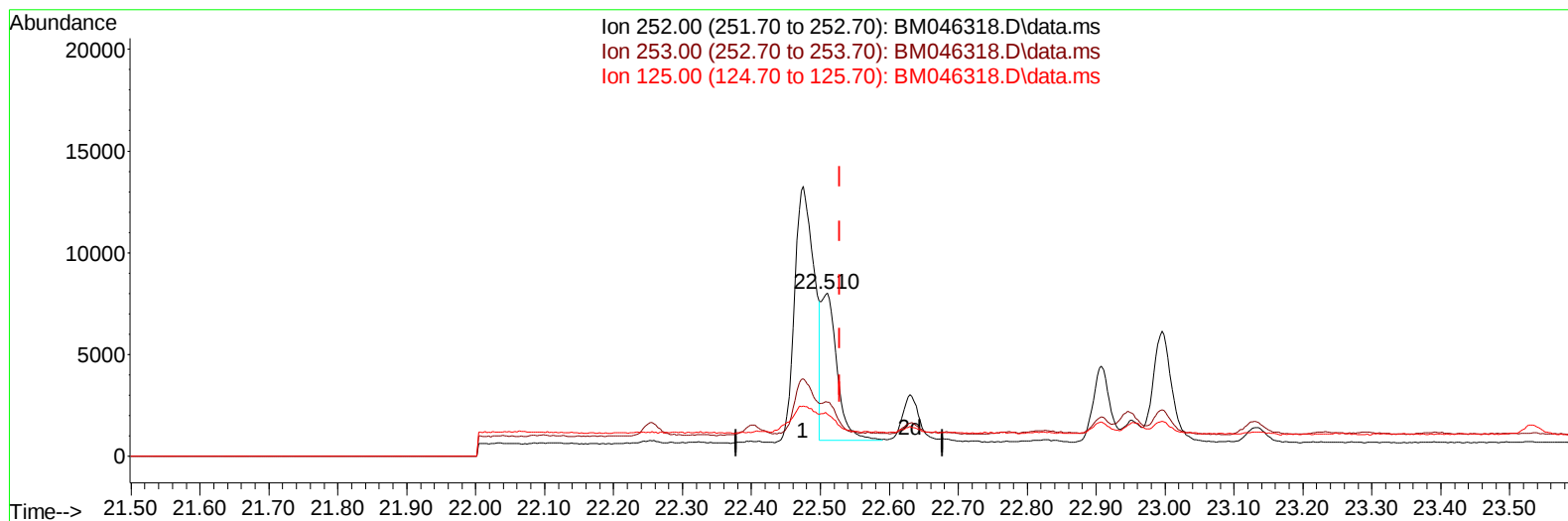
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046318.D
Acq On : 26 Jun 2024 07:53
Operator : MA/JU
Sample : P2909-13
Misc :
ALS Vial : 79 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CP2

Manual IntegrationsAPPROVED

Quant Time: Jun 26 08:23:08 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: BM046318.D\data.ms

(25) Benzo(k)fluoranthene

22.510min (-0.018) 0.33 ng/u1 m

response 11563

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	33.19
125.00	20.80	25.70#
0.00	0.00	0.00

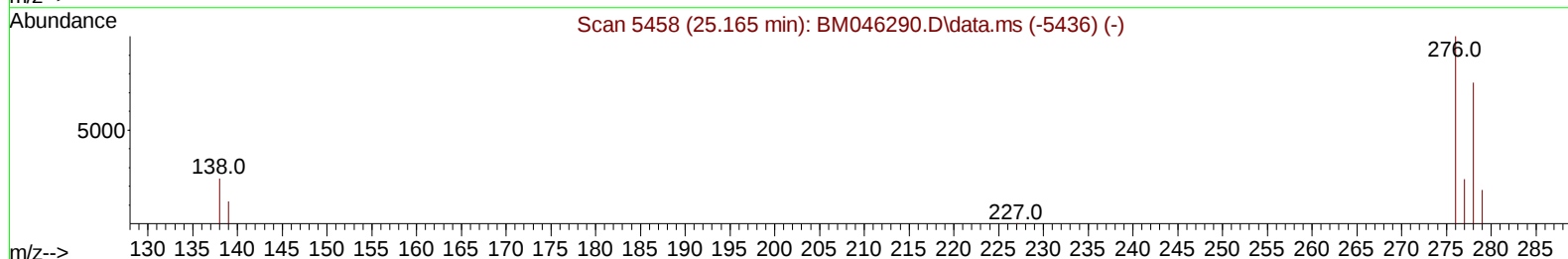
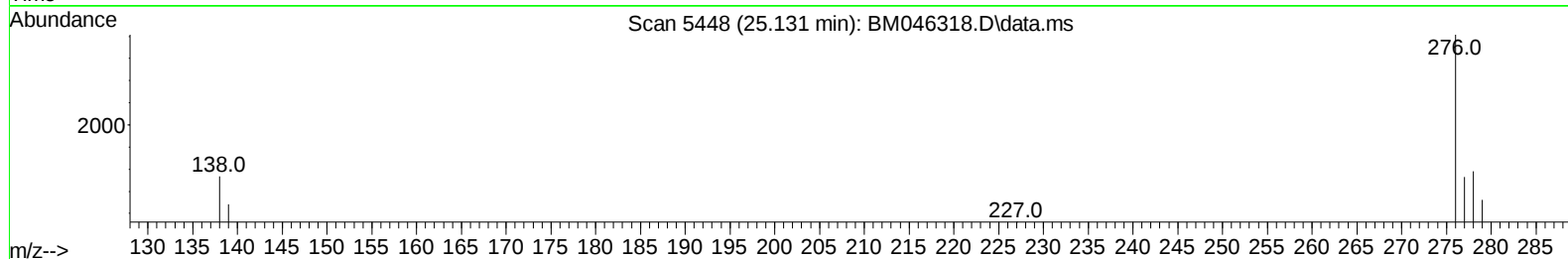
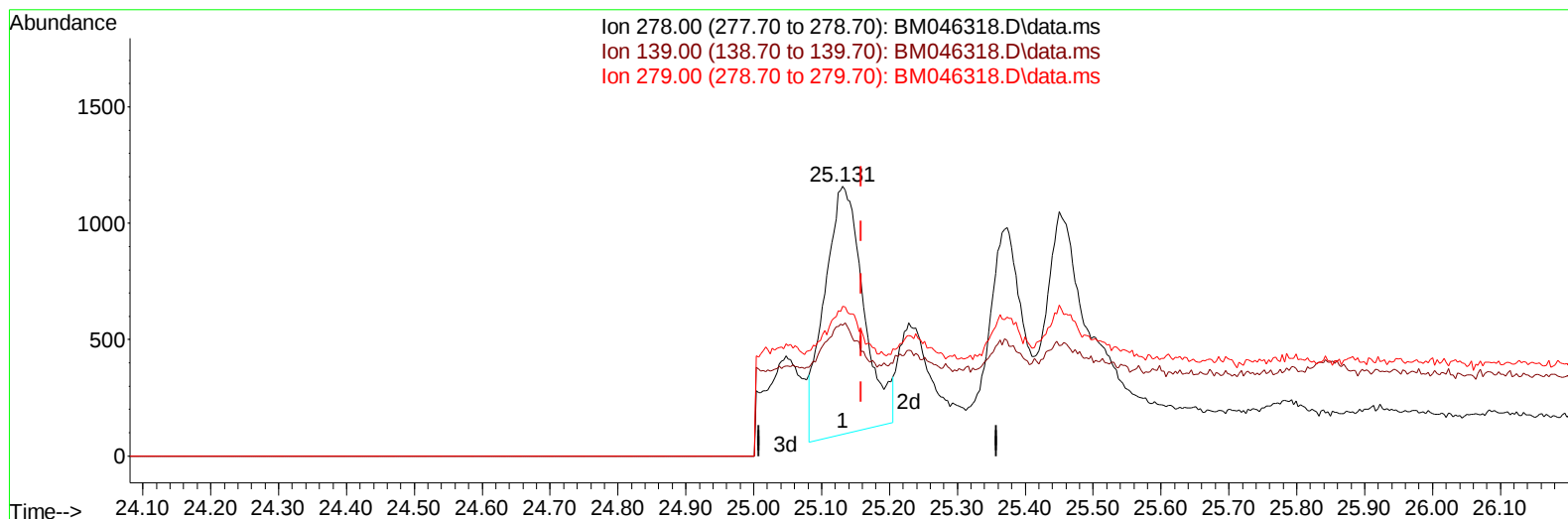
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046318.D
Acq On : 26 Jun 2024 07:53
Operator : MA/JU
Sample : P2909-13
Misc :
ALS Vial : 79 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CP2

Manual IntegrationsAPPROVED

Quant Time: Jun 26 08:23:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046318.D\data.ms

(28) Dibenzo(a,h)anthracene

25.131min (-0.027) 0.13 ng/u1

response 4265

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	22.00	48.45#
279.00	32.90	55.53#
0.00	0.00	0.00

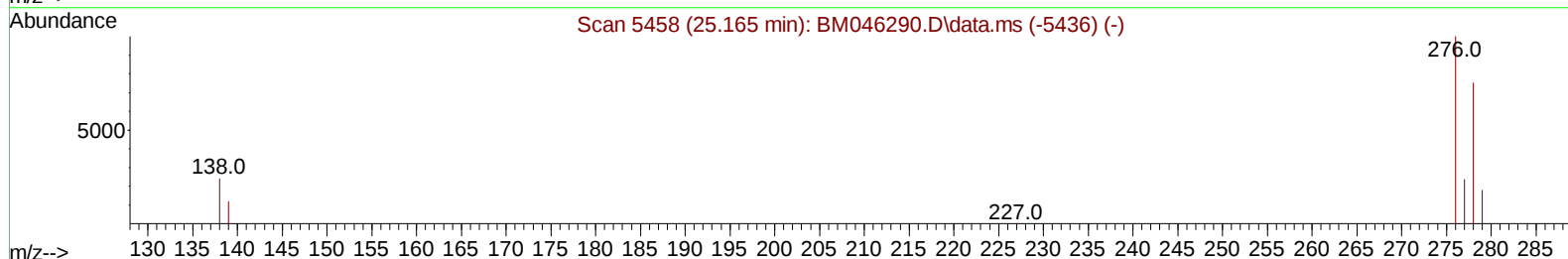
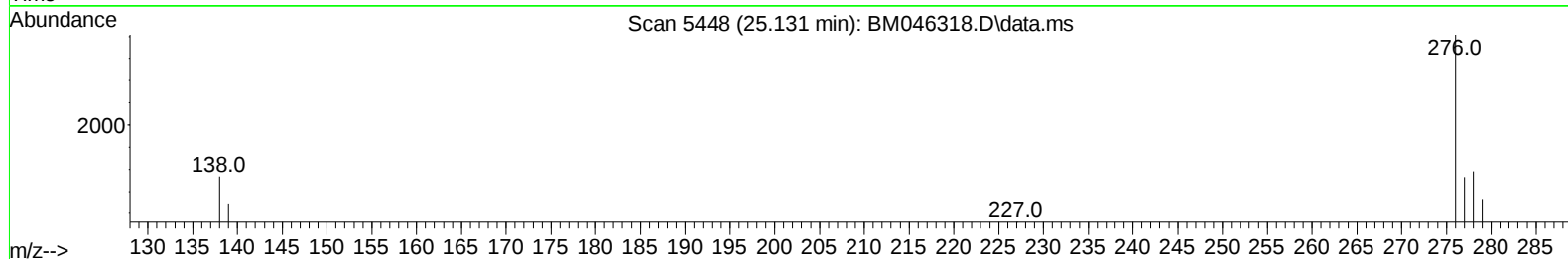
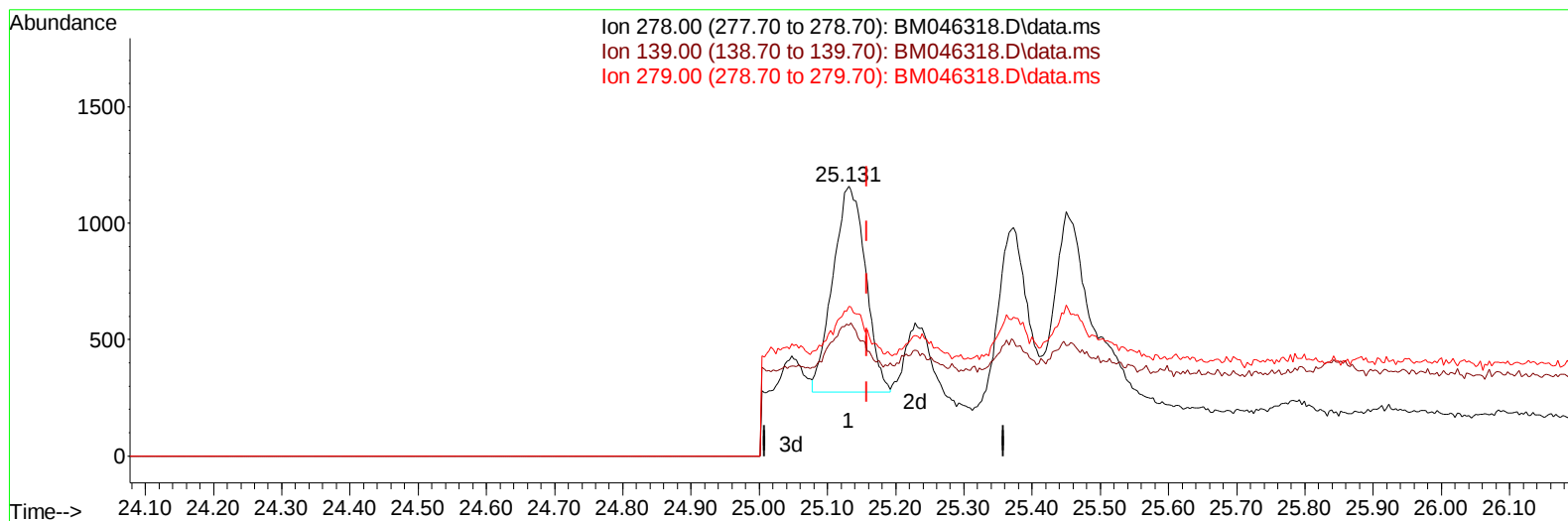
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046318.D
Acq On : 26 Jun 2024 07:53
Operator : MA/JU
Sample : P2909-13
Misc :
ALS Vial : 79 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CP2

Manual IntegrationsAPPROVED

Quant Time: Jun 26 08:23:08 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: BM046318.D\data.ms

(28) Dibenzo(a,h)anthracene

25.131min (-0.027) 0.09 ng/u1 m

response 2951

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	22.00	48.45#
279.00	32.90	55.53#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
 Data File : BM046318.D
 Acq On : 26 Jun 2024 07:53
 Operator : MA/JU
 Sample : P2909-13
 Misc :
 ALS Vial : 79 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4CP2

Manual IntegrationsAPPROVED

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

Quant Time: Jun 26 08:23:08 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	2531	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.161	136	7801	0.400	ng/ul	-0.06
9) Acenaphthene-d10	14.039	164	4305	0.400	ng/ul	-0.03
13) Phenanthrene-d10	16.791	188	9453m	0.400	ng/ul	-0.05
17) Chrysene-d12	21.003	240	7745m	0.400	ng/ul	-0.01
23) Perylene-d12	23.086	264	8104m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.016	96	8876	2.556	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.789	152	2265	0.216	ng/ul	-0.06
18) Fluoranthene-d10	18.825	212	5574	0.240	ng/ul	-0.03
Target Compounds						Qvalue
5) Naphthalene	10.210	128	1101	0.051	ng/ul#	77
7) 2-Methylnaphthalene	11.871	142	294	0.024	ng/ul	93
10) Acenaphthylene	13.757	152	2491	0.122	ng/ul#	91
11) Acenaphthene	14.104	153	399	0.027	ng/ul#	88
12) Fluorene	15.103	166	624	0.039	ng/ul#	95
15) Phenanthrene	16.829	178	13229m	0.498	ng/ul	
16) Anthracene	16.922	178	3180m	0.161	ng/ul	
19) Fluoranthene	18.858	202	35566	1.061	ng/ul	96
20) Pyrene	19.220	202	26601	0.733	ng/ul	98
21) Benzo(a)anthracene	20.985	228	18269	0.611	ng/ul	95
22) Chrysene	21.038	228	17587	0.461	ng/ul	97
24) Benzo(b)fluoranthene	22.475	252	25277m	0.866	ng/ul	
25) Benzo(k)fluoranthene	22.510	252	11563m	0.333	ng/ul	
26) Benzo(a)pyrene	22.995	252	10379	0.384	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	25.128	276	11849	0.268	ng/ul#	82
28) Dibenzo(a,h)anthracene	25.131	278	2951m	0.090	ng/ul	
29) Benzo(g,h,i)perylene	25.752	276	1789	0.047	ng/ul#	44

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

