

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046317.D
Acq On : 26 Jun 2024 07:16
Operator : MA/JU
Sample : P2909-12
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CP1

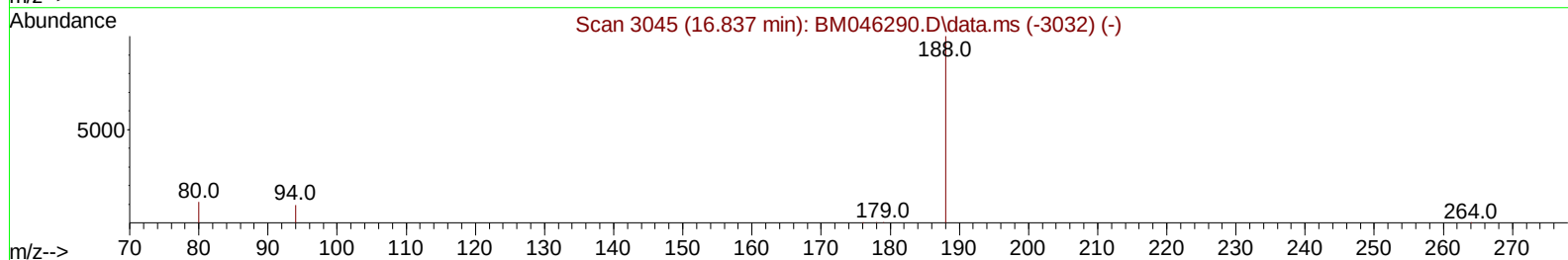
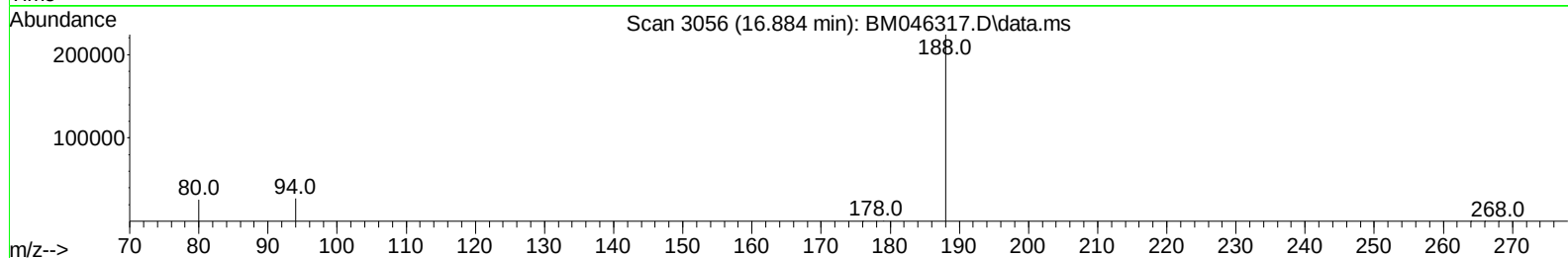
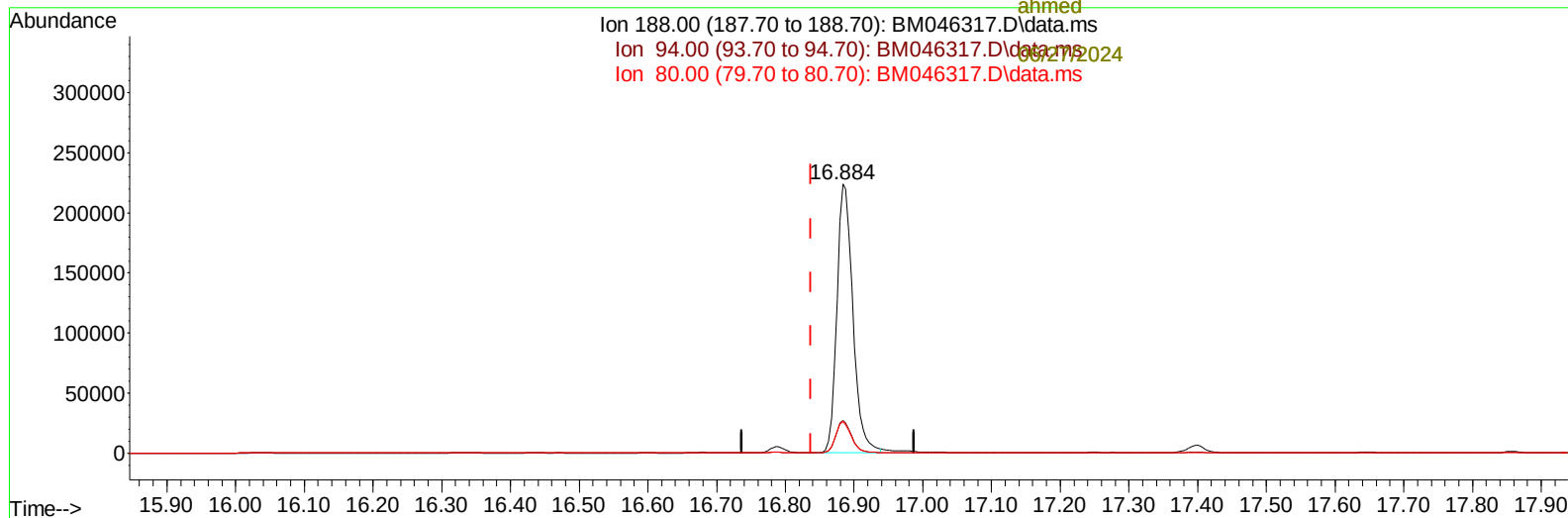
Manual IntegrationsAPPROVED

Quant Time: Jun 26 07:46:02 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

06/26/2024
Supervised By :mohammad
ahmed

Ion 188.00 (187.70 to 188.70): BM046317.D\data.ms
Ion 94.00 (93.70 to 94.70): BM046317.D\data.ms
Ion 80.00 (79.70 to 80.70): BM046317.D\data.ms



TIC: BM046317.D\data.ms

(13) Phenanthrene-d10 (I)**16.884min (+ 0.046) 0.40 ng/u1****response 361828**

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.08
80.00	15.20	11.61#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
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Misc :
ALS Vial : 78 Sample Multiplier: 1

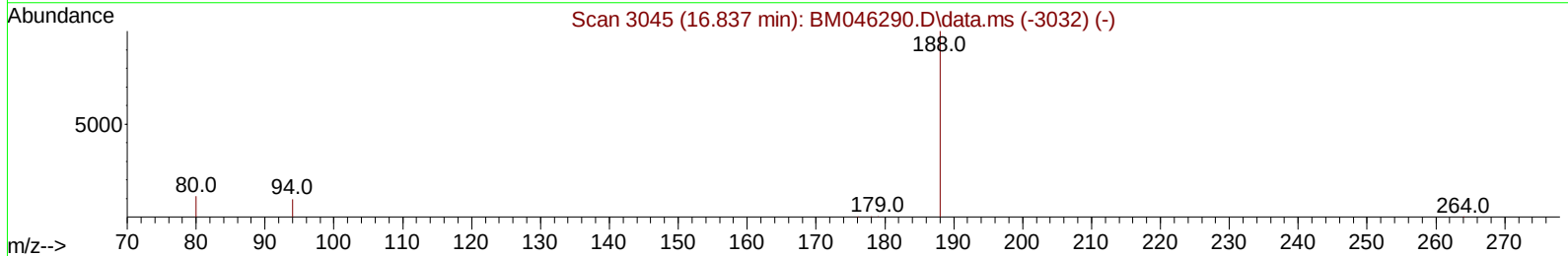
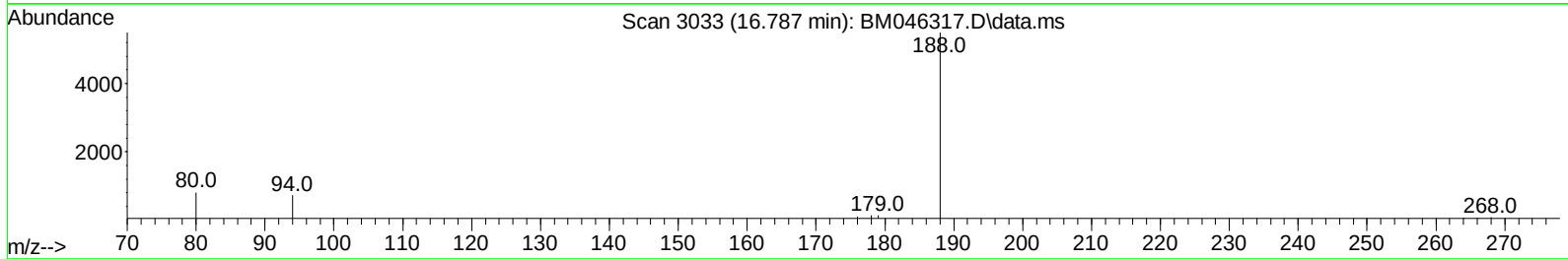
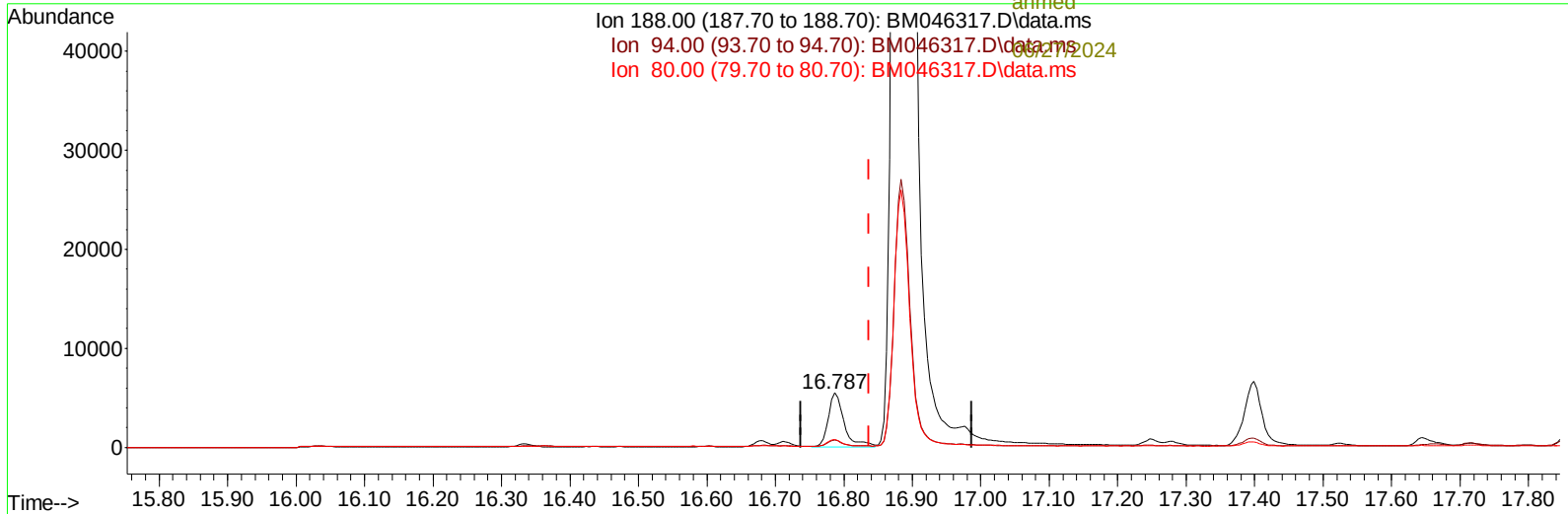
Instrument :
BNA_M
ClientSampleId :
A4CP1

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ahmed



TIC: BM046317.D\data.ms

(13) Phenanthrene-d10 (I)

16.787min (-0.051) 0.40 ng/ul m

response 8736

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	13.21
80.00	15.20	14.74
0.00	0.00	0.00

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Operator : MA/JU
Sample : P2909-12
Misc :
ALS Vial : 78 Sample Multiplier: 1

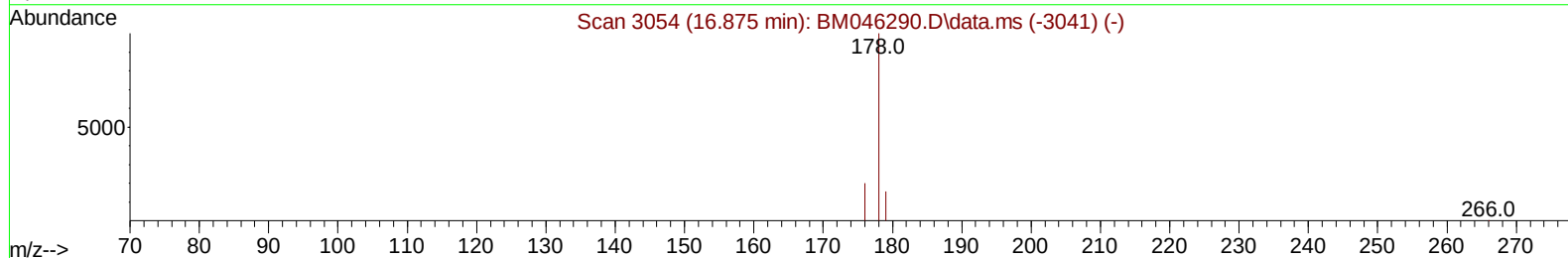
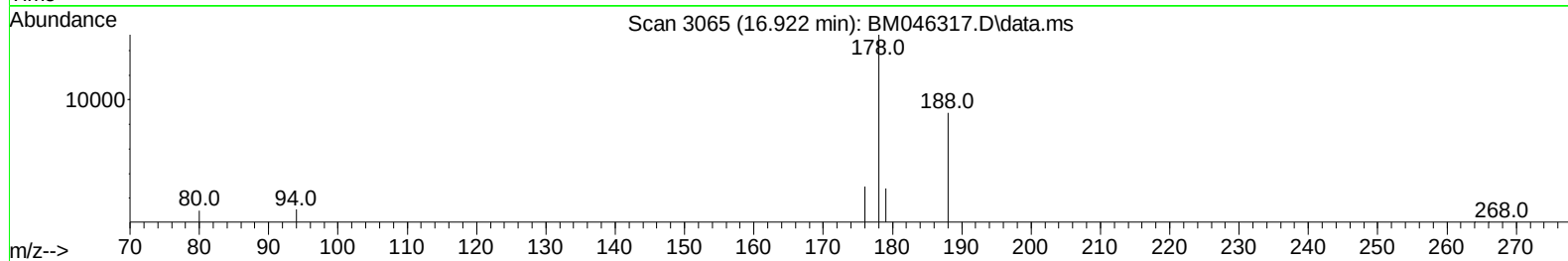
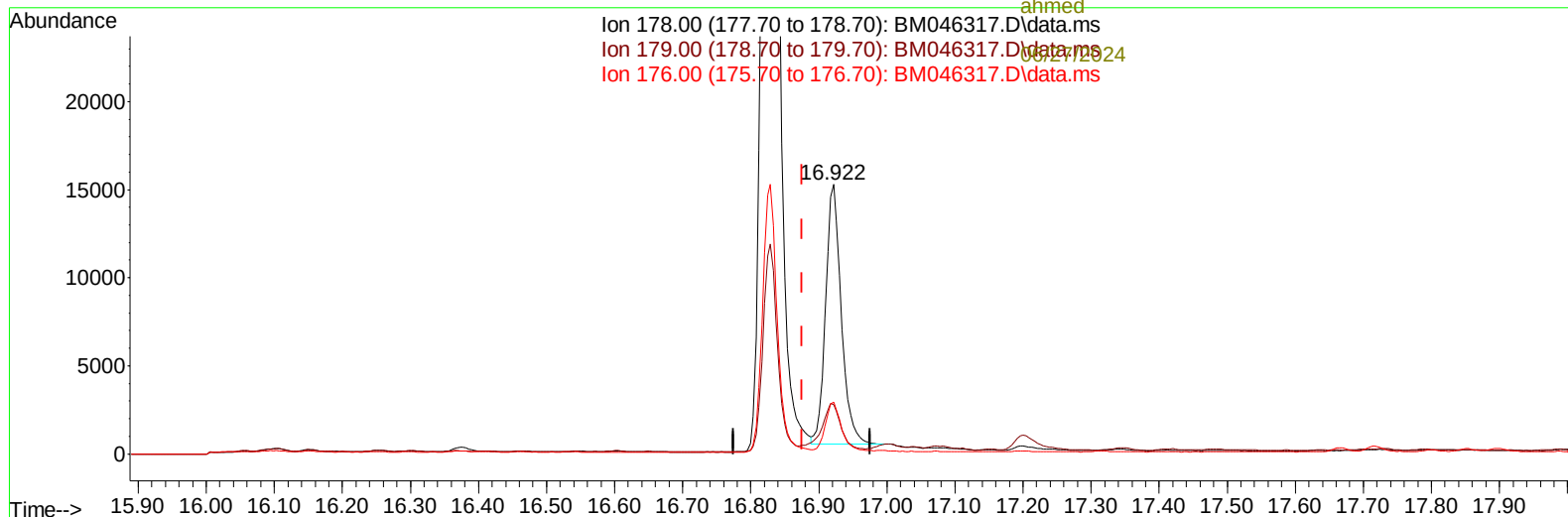
Instrument :
BNA_M
ClientSampleId :
A4CP1

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TIC: BM046317.D\data.ms

(15) Phenanthrene

16.922min (+ 0.046) 0.96 ng/u1

response 23658

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	18.32
176.00	21.40	19.16
0.00	0.00	0.00

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 Sample : P2909-12
 Misc :
 ALS Vial : 78 Sample Multiplier: 1

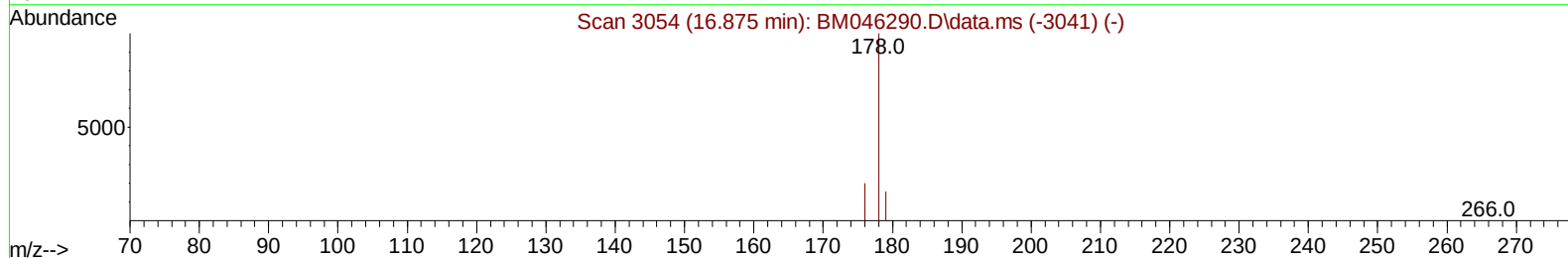
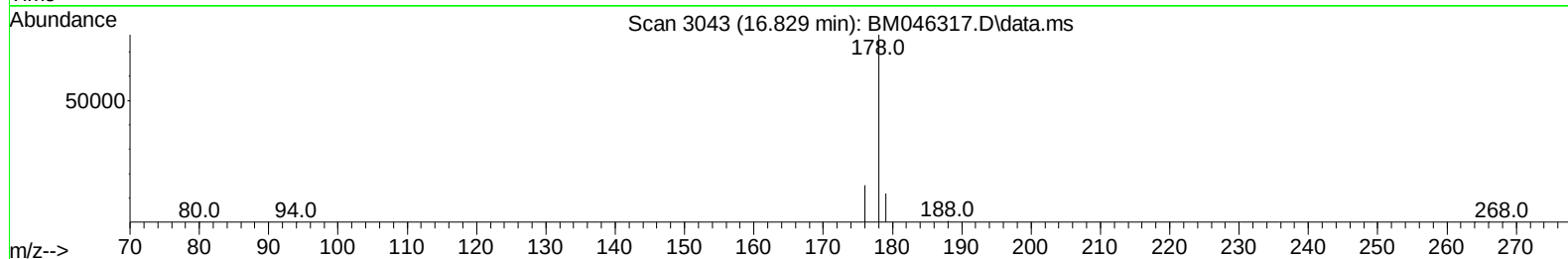
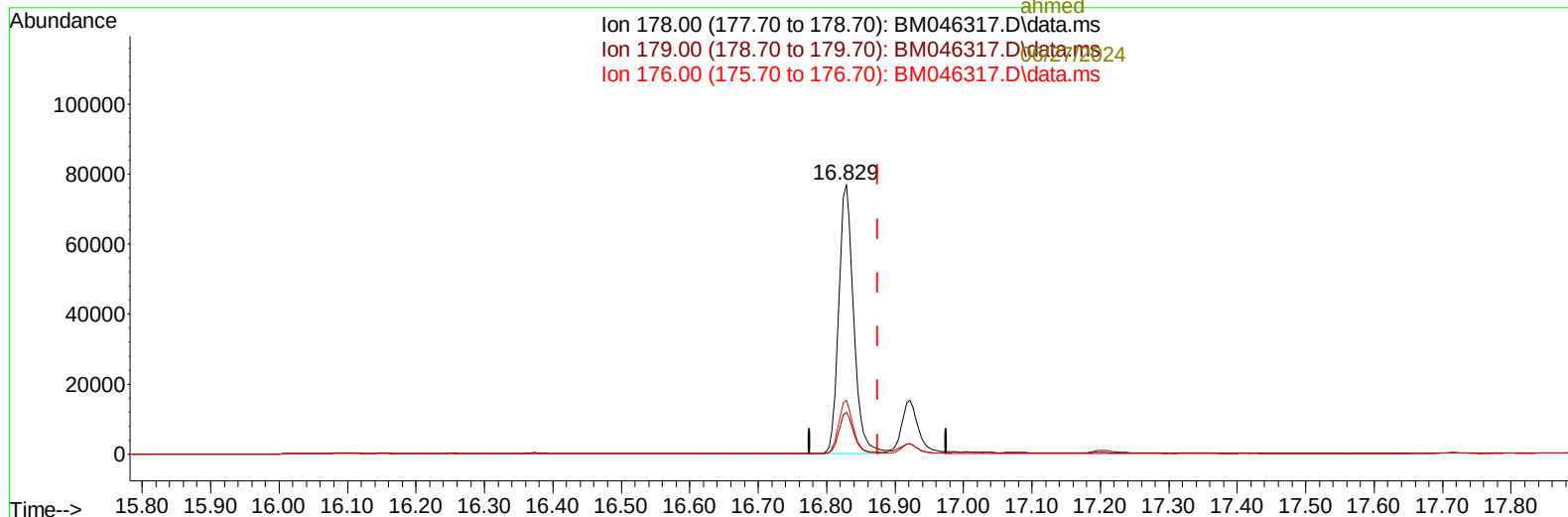
Instrument :
 BNA_M
 ClientSampleId :
 A4CP1

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 ahmed



TIC: BM046317.D\data.ms

(15) Phenanthrene

16.829min (-0.046) 4.74 ng/ul m

response 116454

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.48
176.00	21.40	19.87
0.00	0.00	0.00

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Acq On : 26 Jun 2024 07:16
Operator : MA/JU
Sample : P2909-12
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CP1

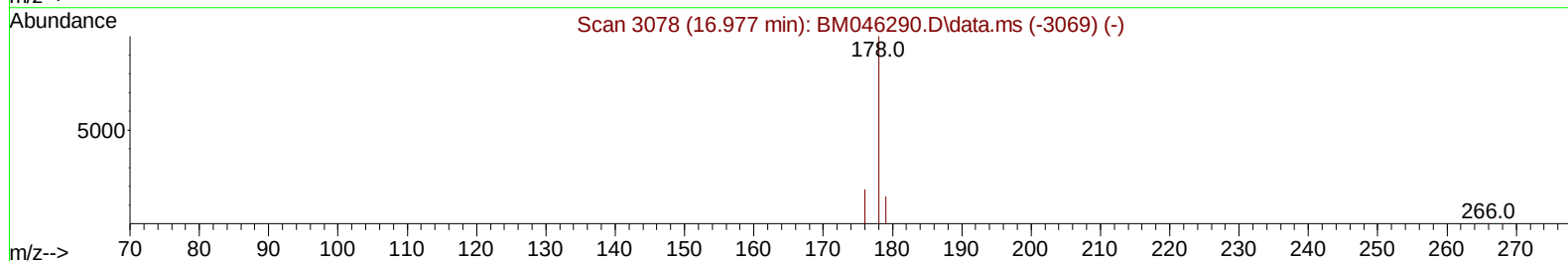
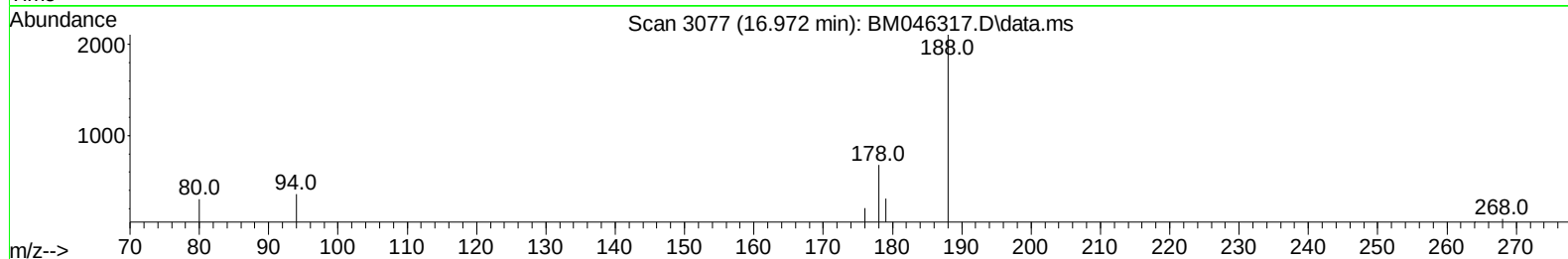
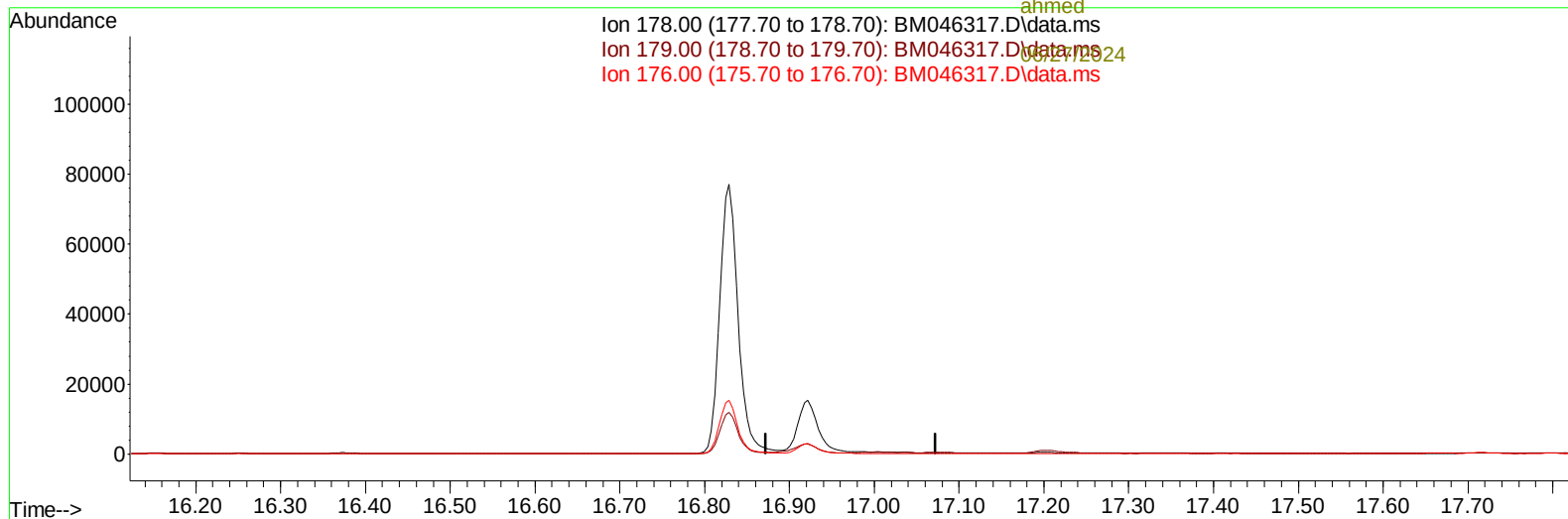
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06/26/2024
Supervised By :mohammad
ahmed

Ion 178.00 (177.70 to 178.70): BM046317.D\data.ms
Ion 179.00 (178.70 to 179.70): BM046317.D\data.ms
Ion 176.00 (175.70 to 176.70): BM046317.D\data.ms



TIC: BM046317.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

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Operator : MA/JU
Sample : P2909-12
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CP1

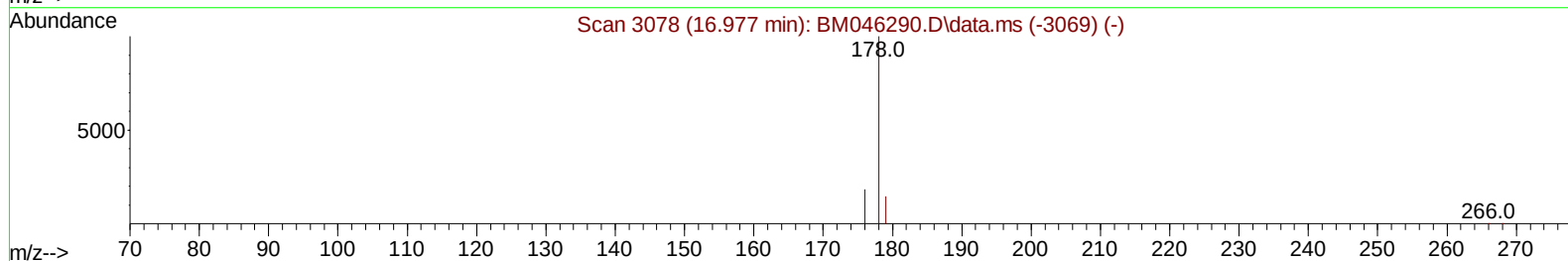
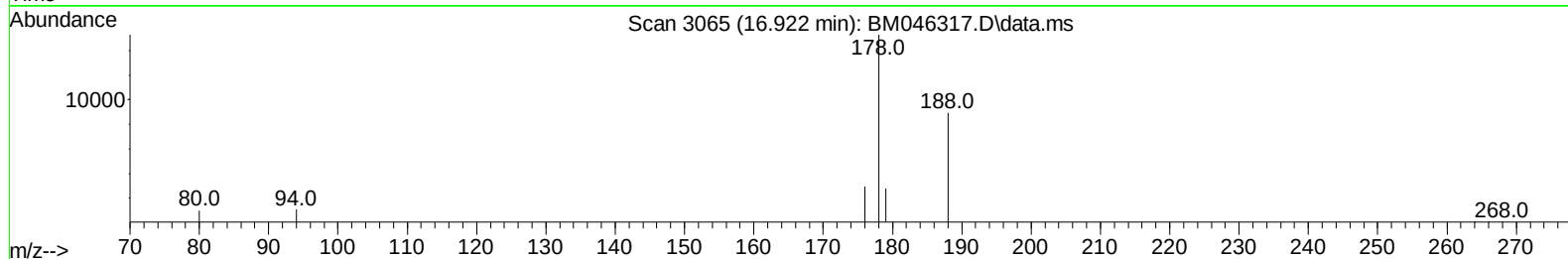
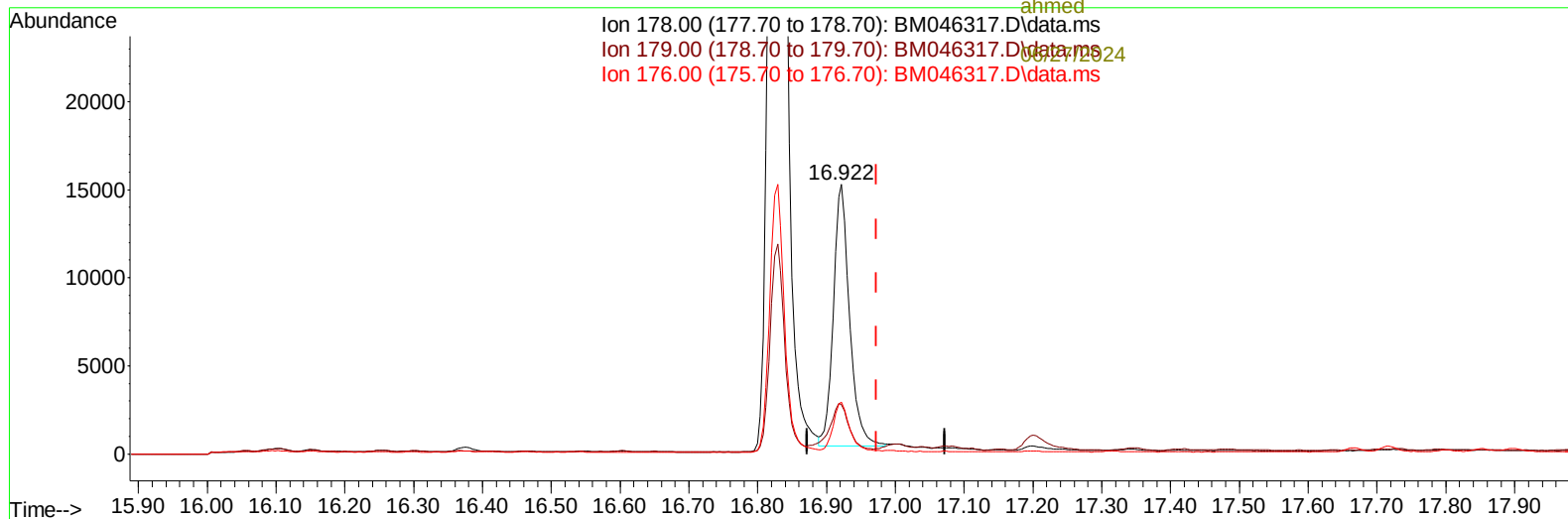
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06/26/2024
Supervised By :mohammad
ahmed

Ion 178.00 (177.70 to 178.70): BM046317.D\data.ms
Ion 179.00 (178.70 to 179.70): BM046317.D\data.ms
Ion 176.00 (175.70 to 176.70): BM046317.D\data.ms



TIC: BM046317.D\data.ms

(16) Anthracene

16.922min (-0.051) 1.33 ng/ul m

response 24289

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	18.32
176.00	21.20	19.16
0.00	0.00	0.00

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Sample : P2909-12
Misc :
ALS Vial : 78 Sample Multiplier: 1

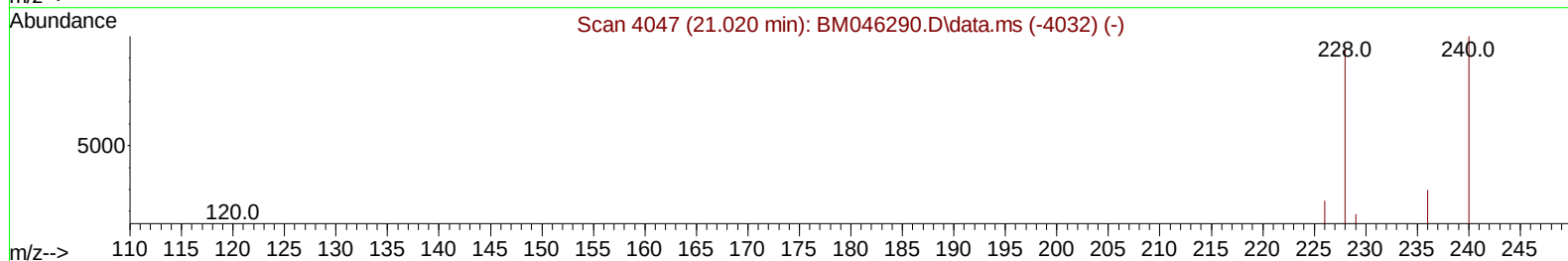
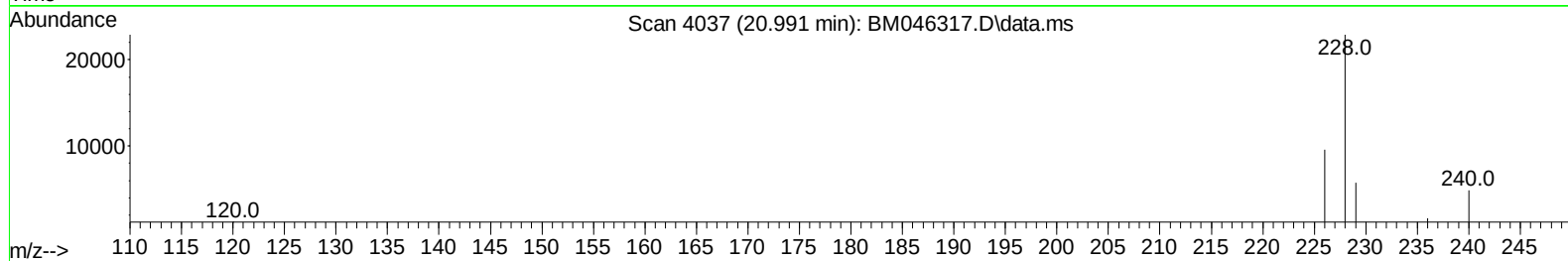
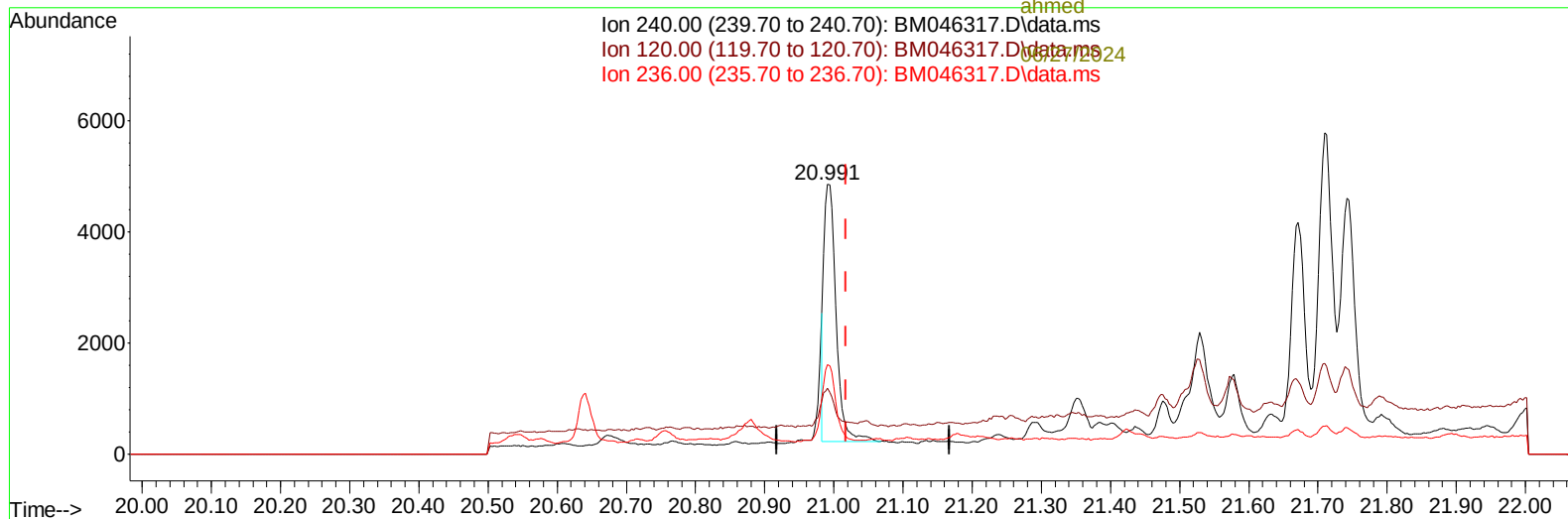
Instrument :
BNA_M
ClientSampleId :
A4CP1

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ahmed



TIC: BM046317.D\data.ms

(17) Chrysene-d12

20.991min (-0.026) 0.40 ng/u1

response 5658

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	24.42
236.00	33.60	33.17
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046317.D
Acq On : 26 Jun 2024 07:16
Operator : MA/JU
Sample : P2909-12
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CP1

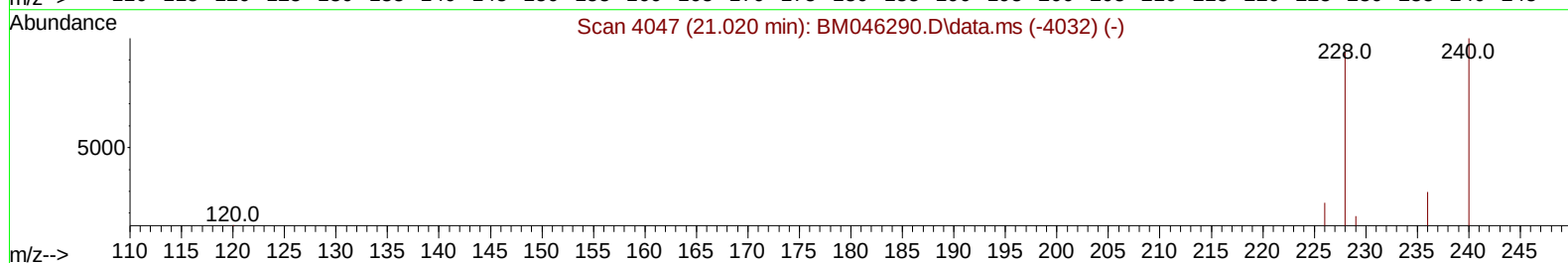
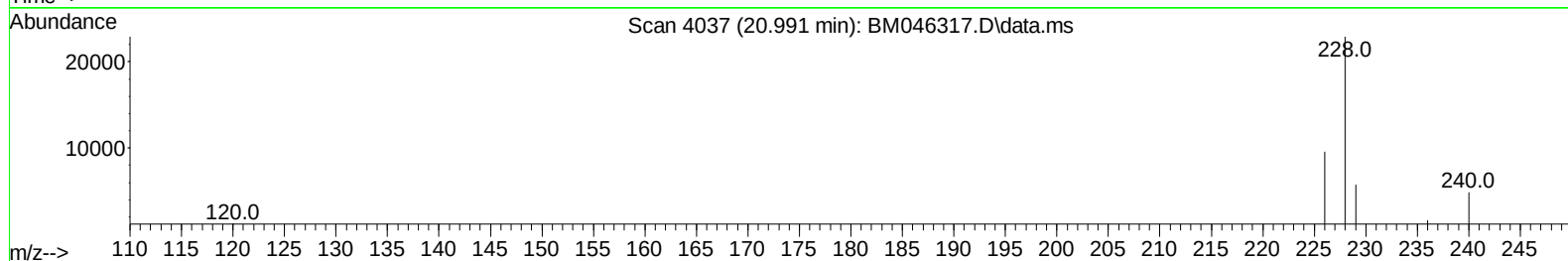
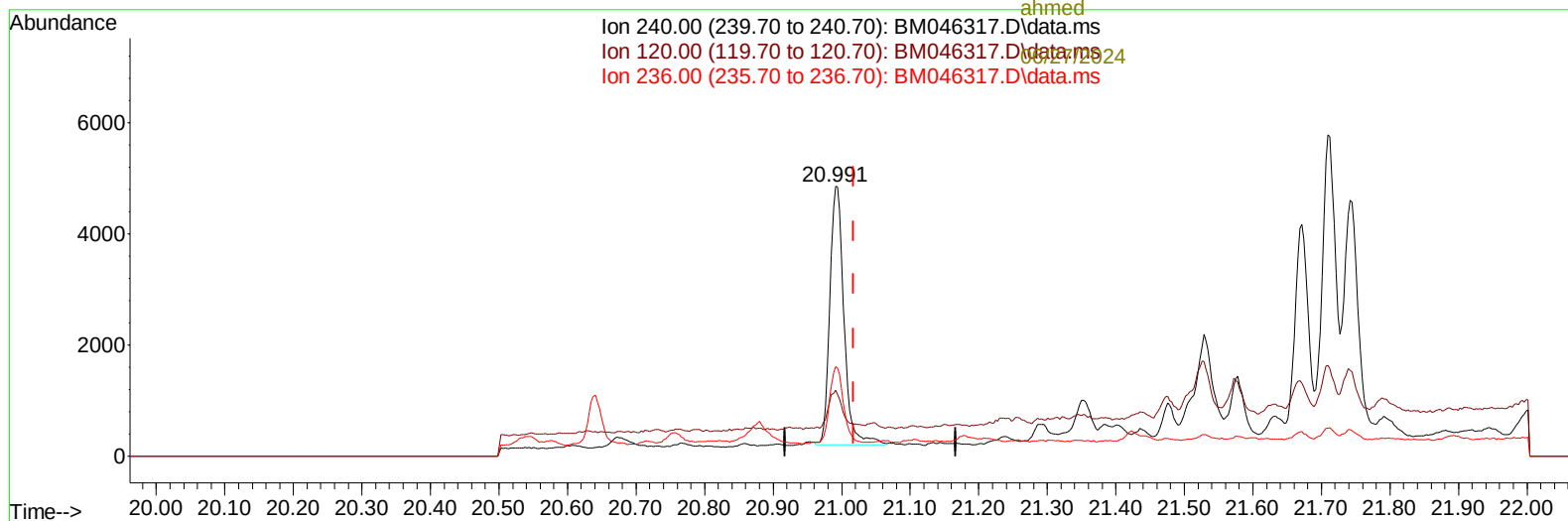
Manual IntegrationsAPPROVED

Quant Time: Jun 26 07:46:02 2024
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Supervised By :mohammad ahmed 06/27/2024

06/26/2024
Supervised By :mohammad
ahmed

Ion 240.00 (239.70 to 240.70): BM046317.D\data.ms
Ion 120.00 (119.70 to 120.70): BM046317.D\data.ms
Ion 236.00 (235.70 to 236.70): BM046317.D\data.ms



TIC: BM046317.D\data.ms

(17) Chrysene-d12

20.991min (-0.026) 0.40 ng/ul m

response 6629

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	24.42
236.00	33.60	33.17
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
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 Misc :
 ALS Vial : 78 Sample Multiplier: 1

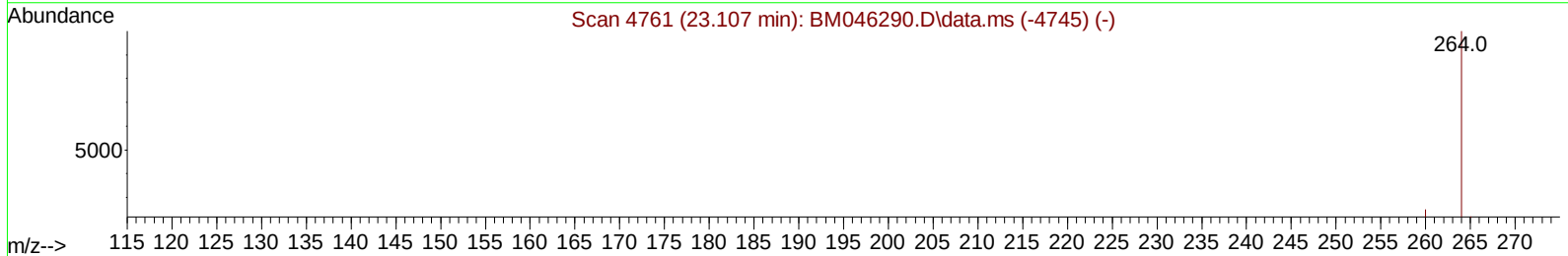
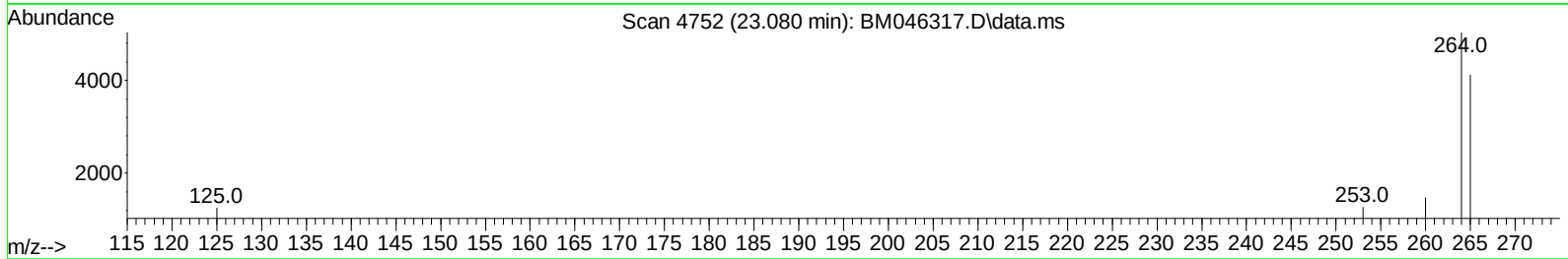
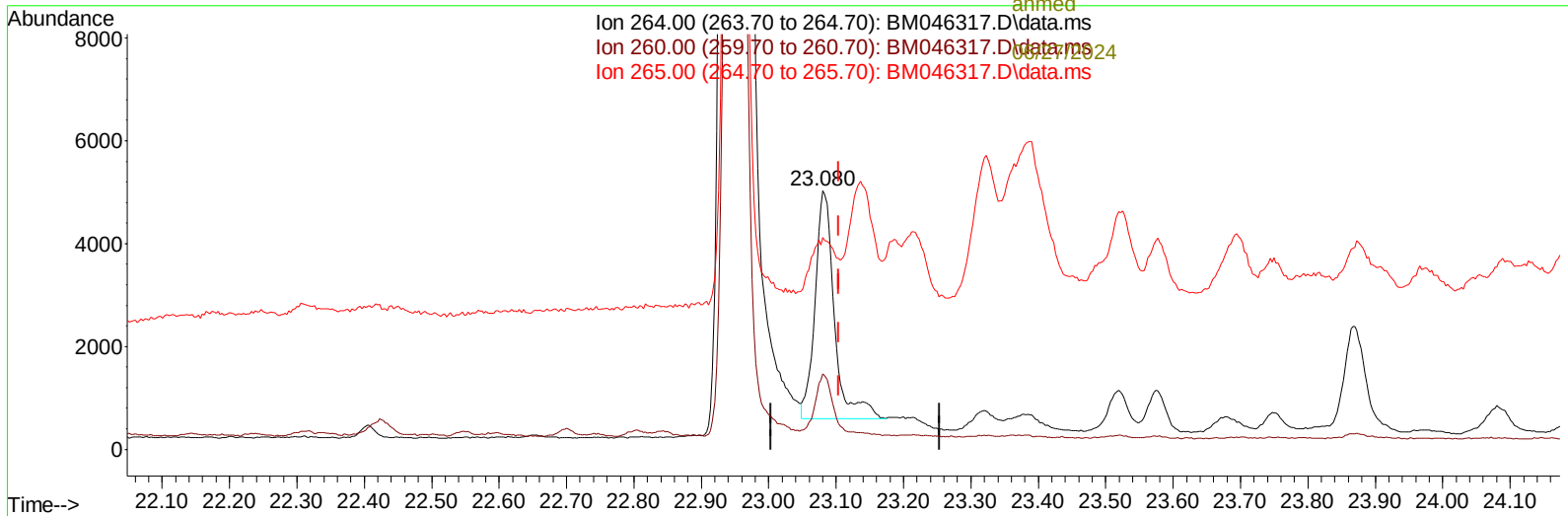
Instrument :
 BNA_M
 ClientSampleId :
 A4CP1

Manual IntegrationsAPPROVED

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TIC: BM046317.D\data.ms

(23) Perylene-d12 (I)

23.080min (-0.023) 0.40 ng/u1

response 8877

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	29.15
265.00	110.60	81.95#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046317.D
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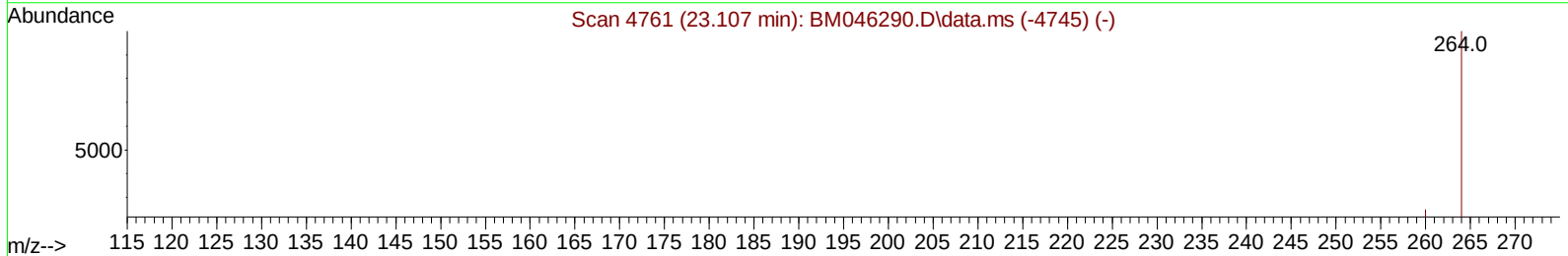
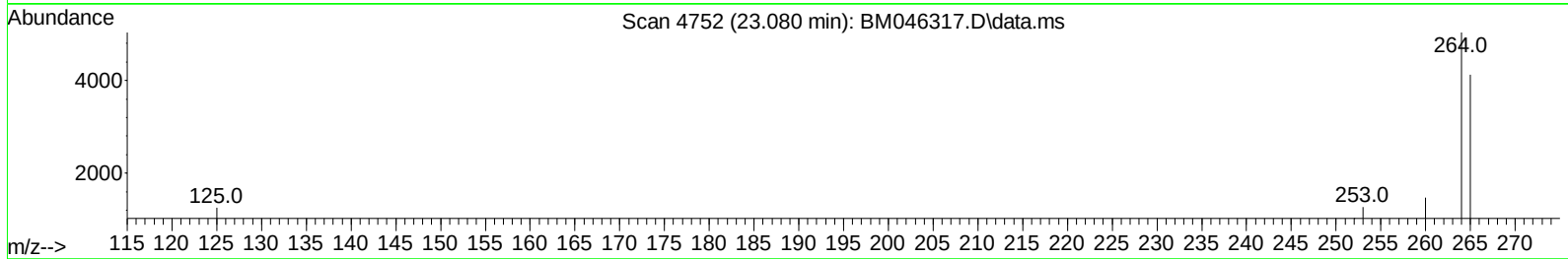
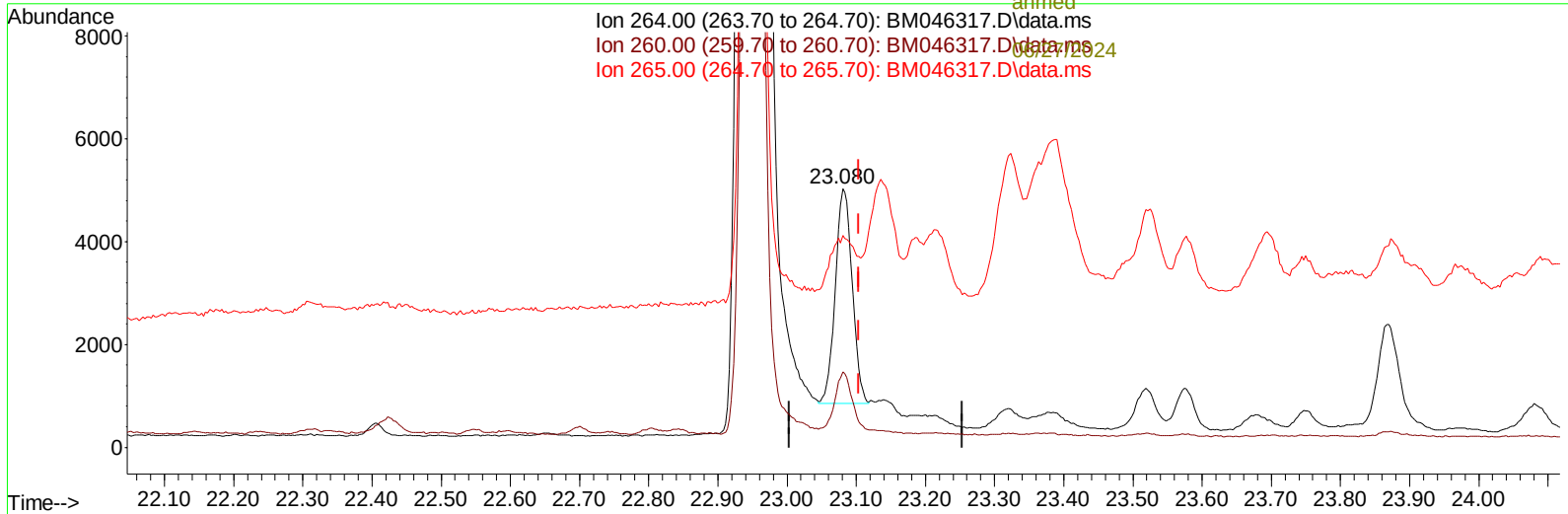
Instrument :
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ClientSampleId :
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ahmed



TIC: BM046317.D\data.ms

(23) Perylene-d12 (I)

23.080min (-0.023) 0.40 ng/ul m

response 7079

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	29.15
265.00	110.60	81.95#
0.00	0.00	0.00

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ALS Vial : 78 Sample Multiplier: 1

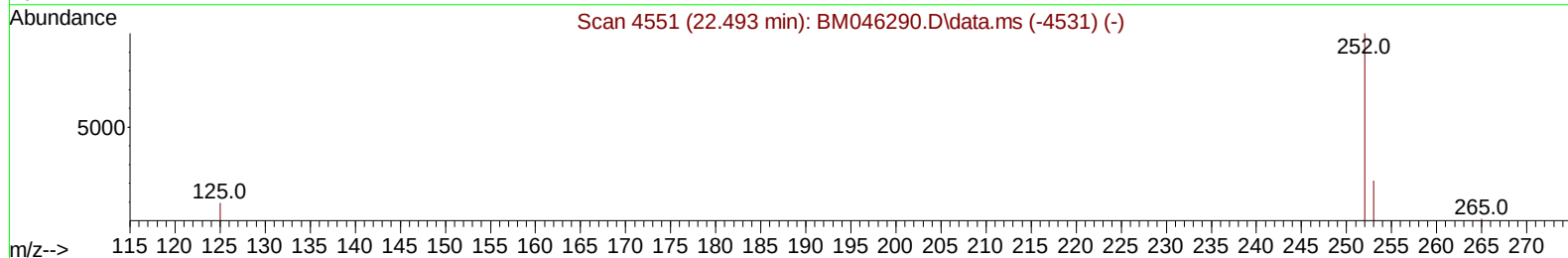
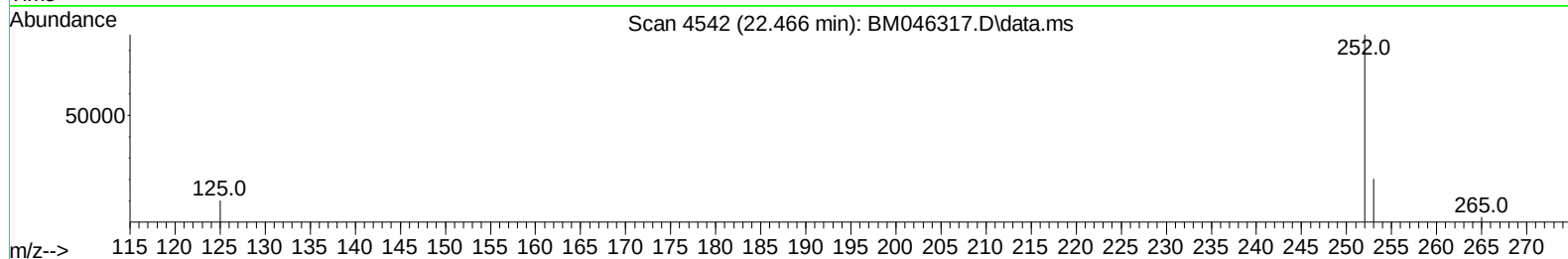
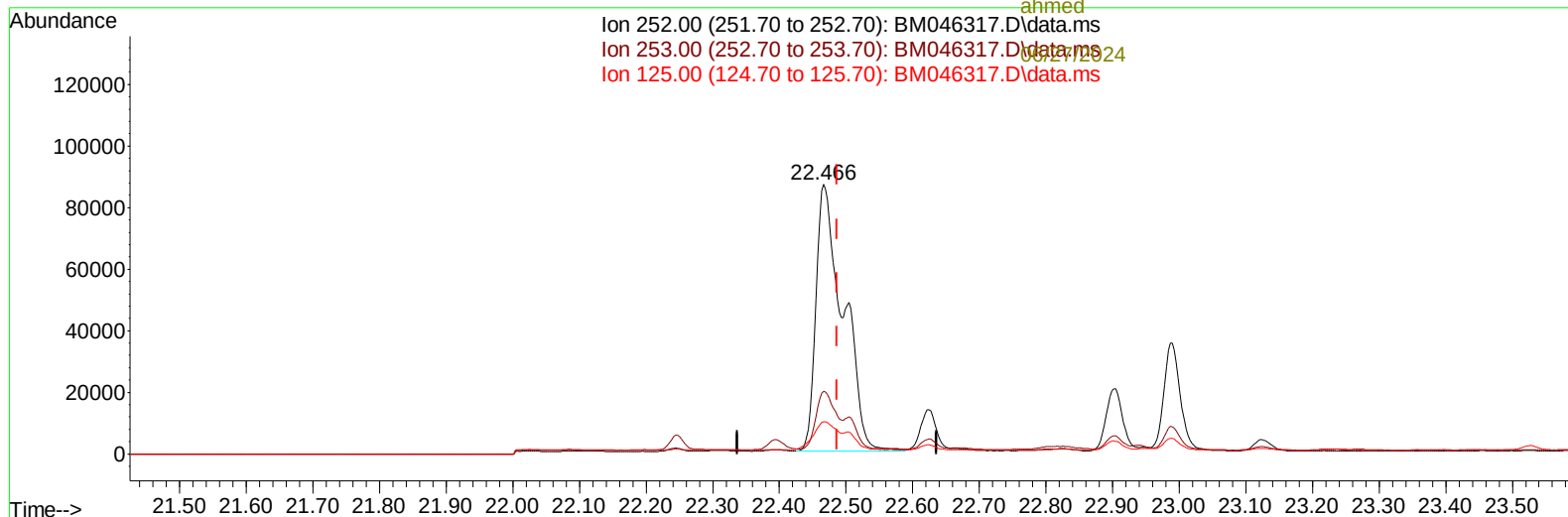
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ahmed



TIC: BM046317.D\data.ms

(24) Benzo(b)fluoranthene

22.466min (-0.020) 9.69 ng/uI

response 247214

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	23.21
125.00	20.10	11.85
0.00	0.00	0.00

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Misc :
ALS Vial : 78 Sample Multiplier: 1

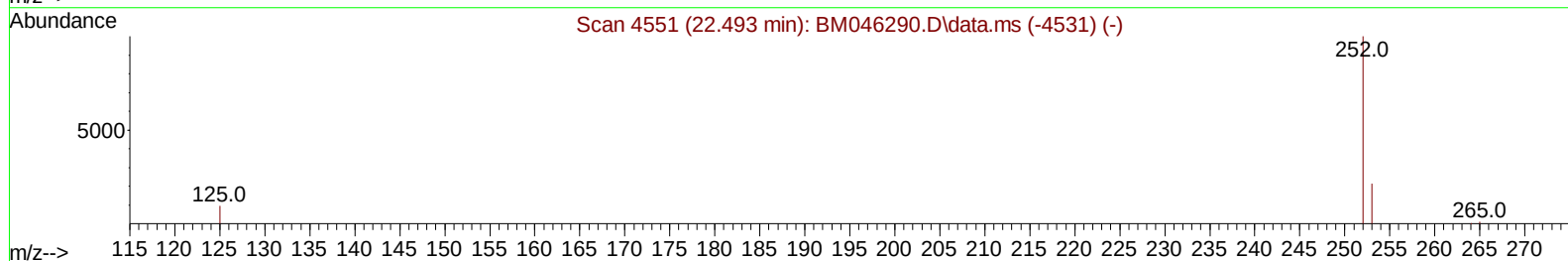
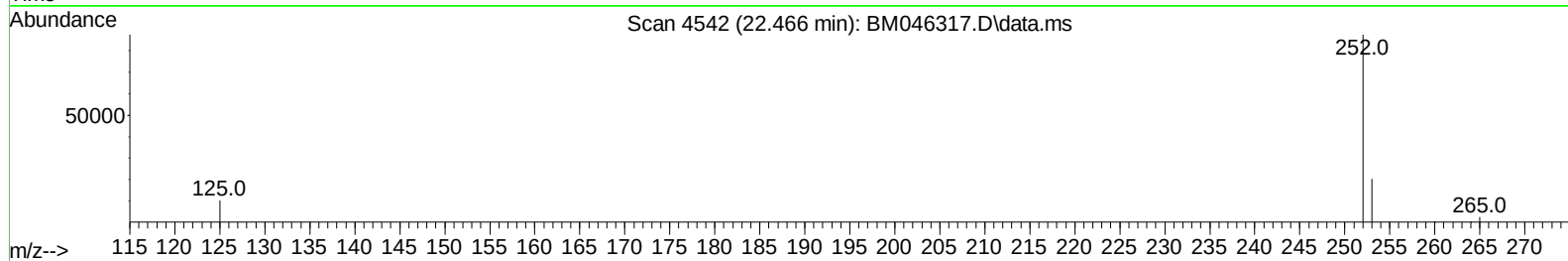
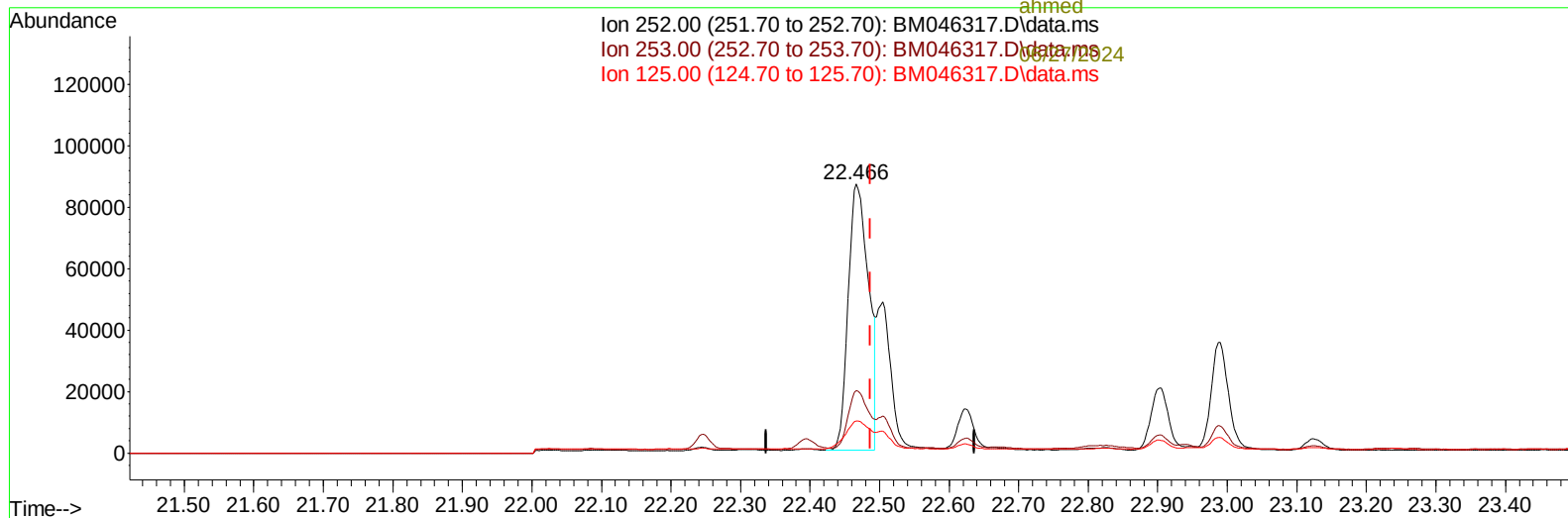
Instrument :
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ClientSampleId :
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ahmed



TIC: BM046317.D\data.ms

(24) Benzo(b)fluoranthene

22.466min (-0.020) 6.94 ng/ul m

response 176974

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	23.21
125.00	20.10	11.85
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046317.D
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Operator : MA/JU
Sample : P2909-12
Misc :
ALS Vial : 78 Sample Multiplier: 1

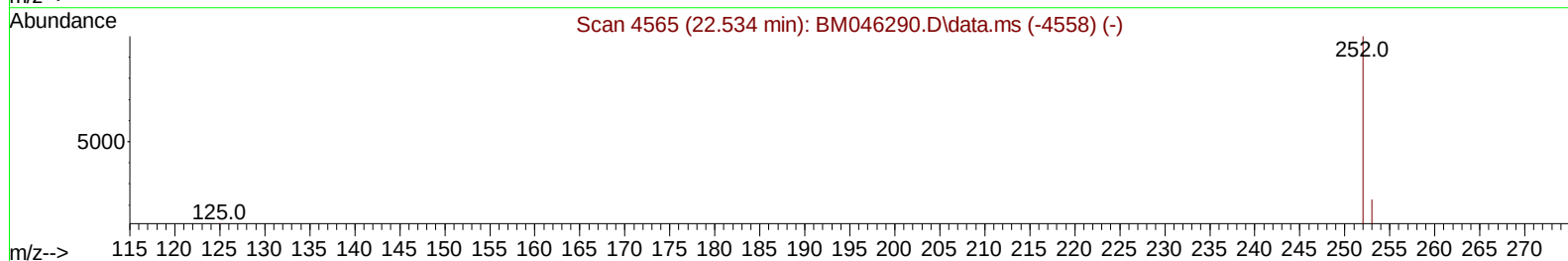
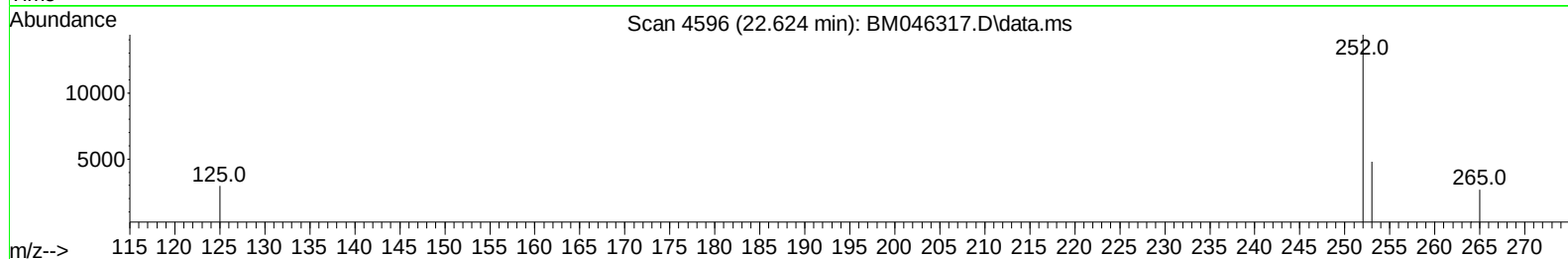
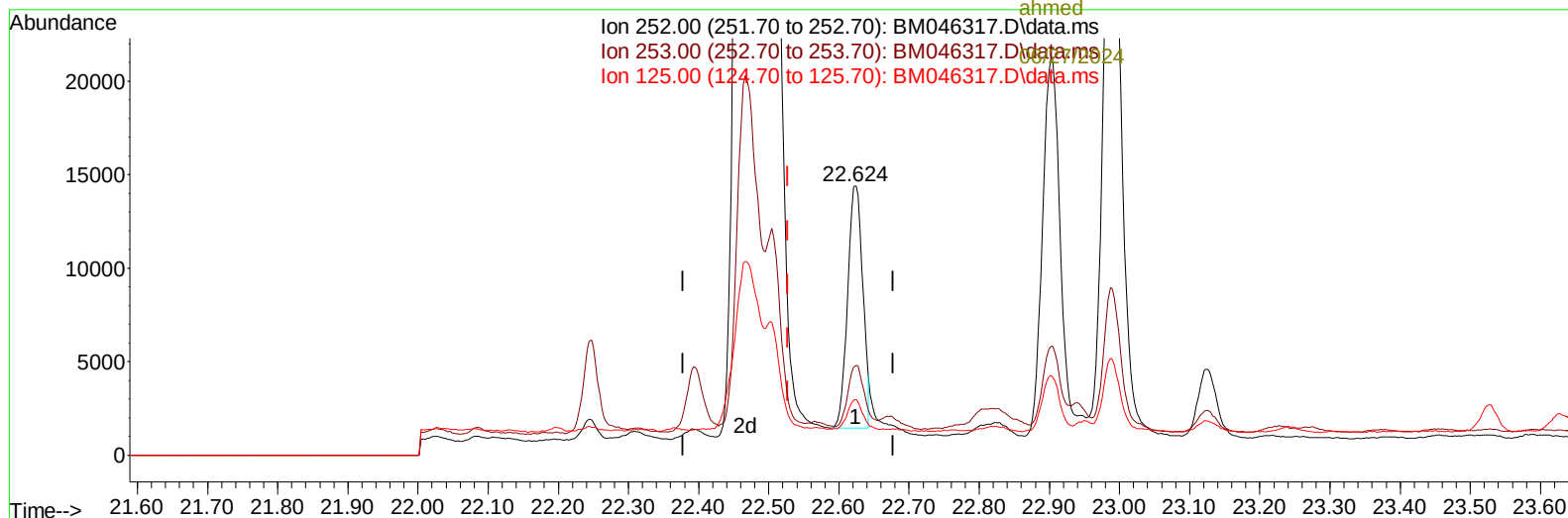
Instrument :
BNA_M
ClientSampleId :
A4CP1

Manual IntegrationsAPPROVED

Quant Time: Jun 26 07:46:02 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

06/26/2024
Supervised By :mohammad
ahmed



TIC: BM046317.D\data.ms

(25) Benzo(k)fluoranthene

22.624min (+ 0.097) 0.65 ng/u1

response 19572

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	33.41
125.00	20.80	20.56
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046317.D
Acq On : 26 Jun 2024 07:16
Operator : MA/JU
Sample : P2909-12
Misc :
ALS Vial : 78 Sample Multiplier: 1

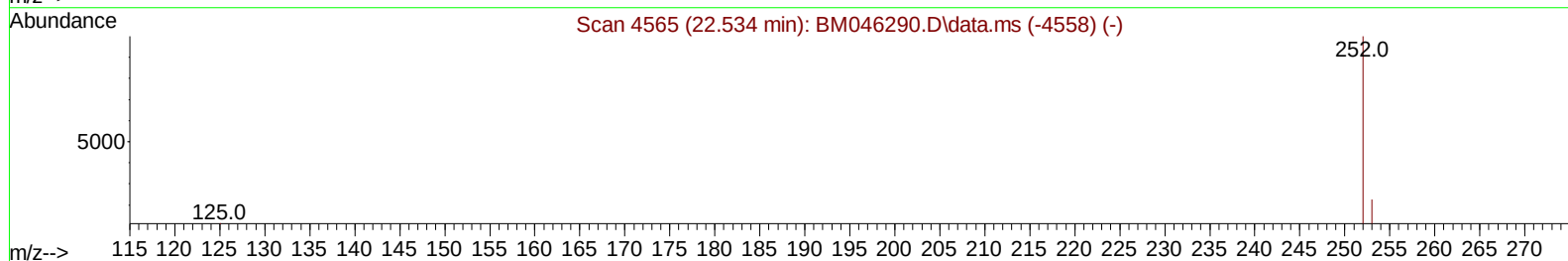
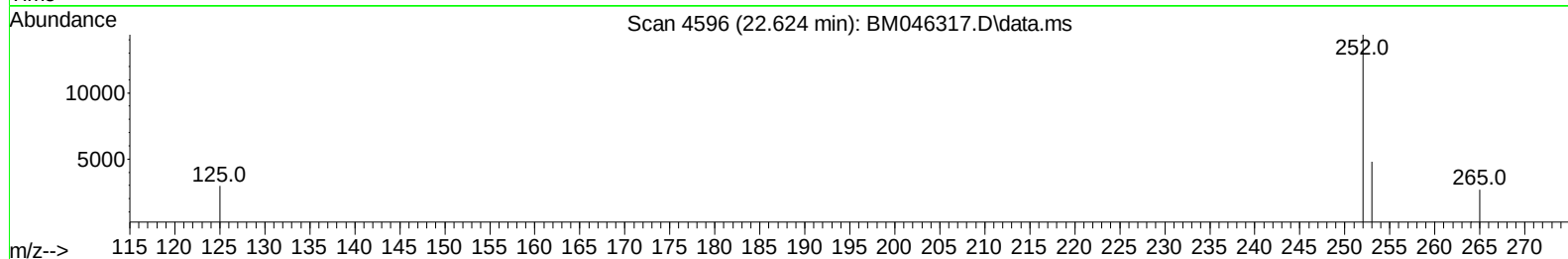
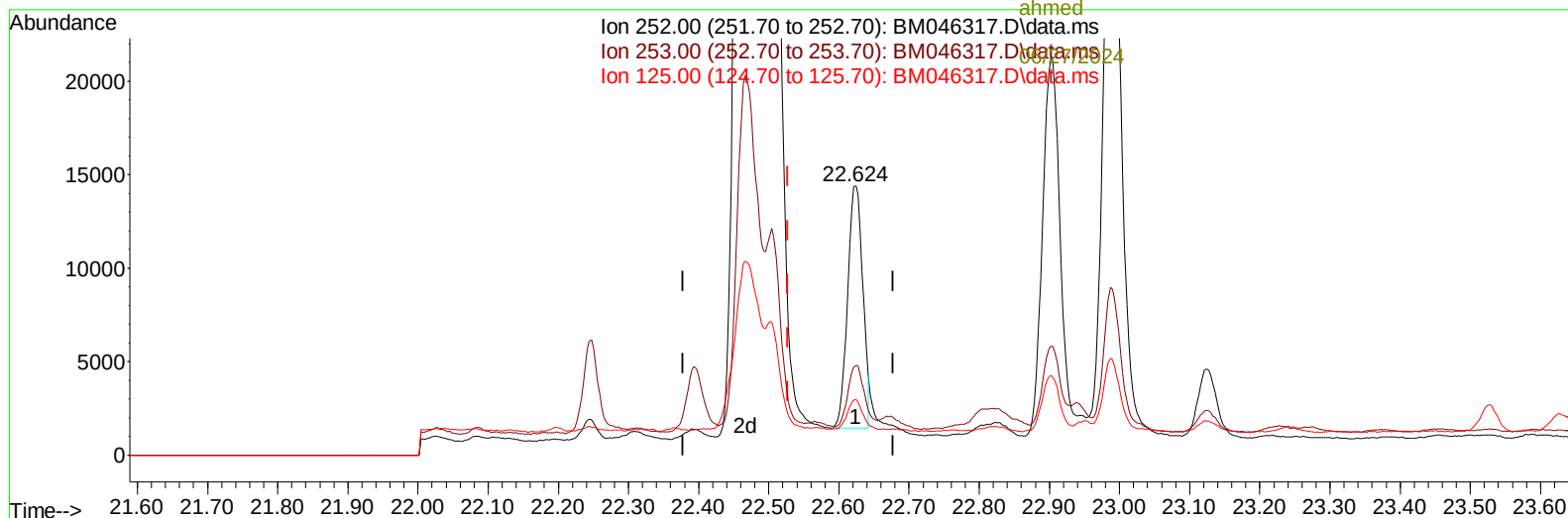
Instrument :
BNA_M
ClientSampleId :
A4CP1

Manual IntegrationsAPPROVED

Quant Time: Jun 26 07:46:02 2024
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TIC: BM046317.D\data.ms

(25) Benzo(k)fluoranthene

22.624min (+ 0.097) 0.65 ng/u1

response 19572

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	33.41
125.00	20.80	20.56
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046317.D
Acq On : 26 Jun 2024 07:16
Operator : MA/JU
Sample : P2909-12
Misc :
ALS Vial : 78 Sample Multiplier: 1

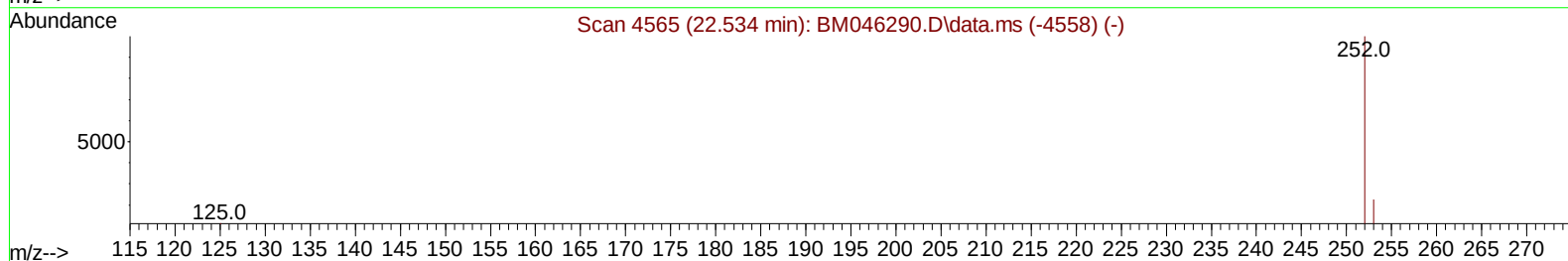
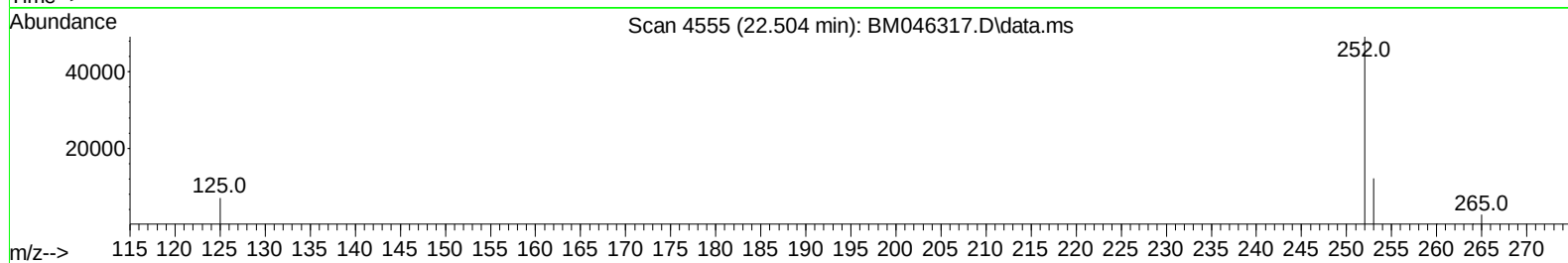
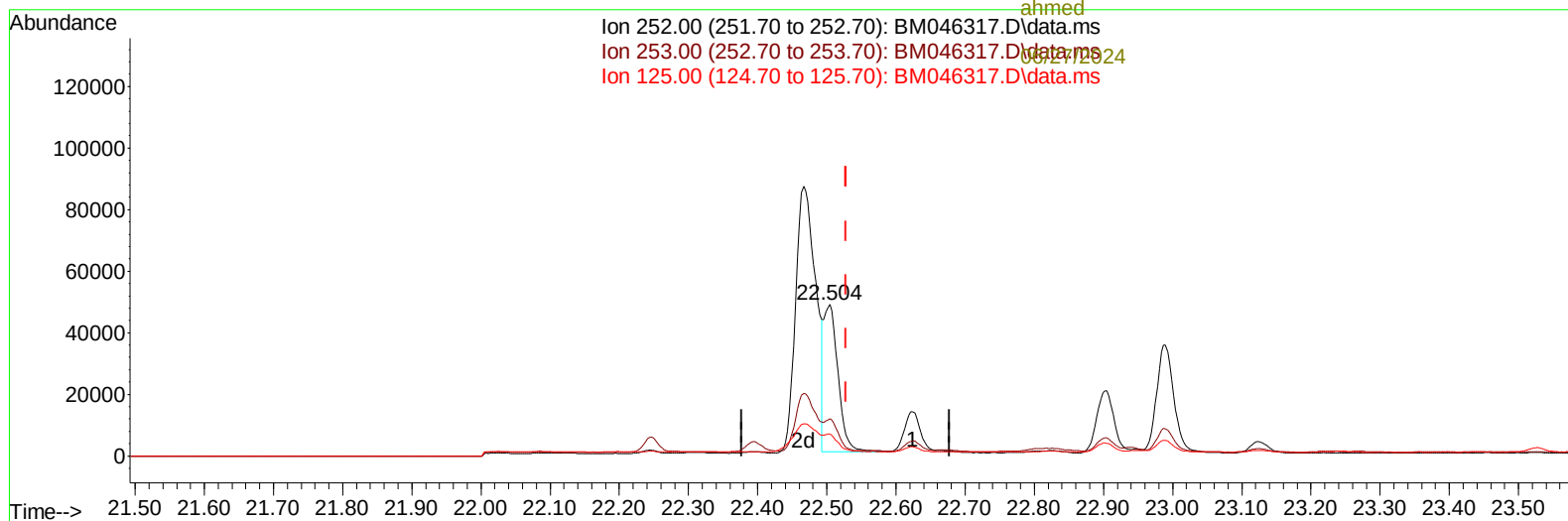
Instrument :
BNA_M
ClientSampleId :
A4CP1

Manual IntegrationsAPPROVED

Quant Time: Jun 26 07:46:02 2024
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ahmed



TIC: BM046317.D\data.ms

(25) Benzo(k)fluoranthene

22.504min (-0.023) 2.25 ng/ul m

response 68131

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	24.67#
125.00	20.80	14.45#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046317.D
Acq On : 26 Jun 2024 07:16
Operator : MA/JU
Sample : P2909-12
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CP1

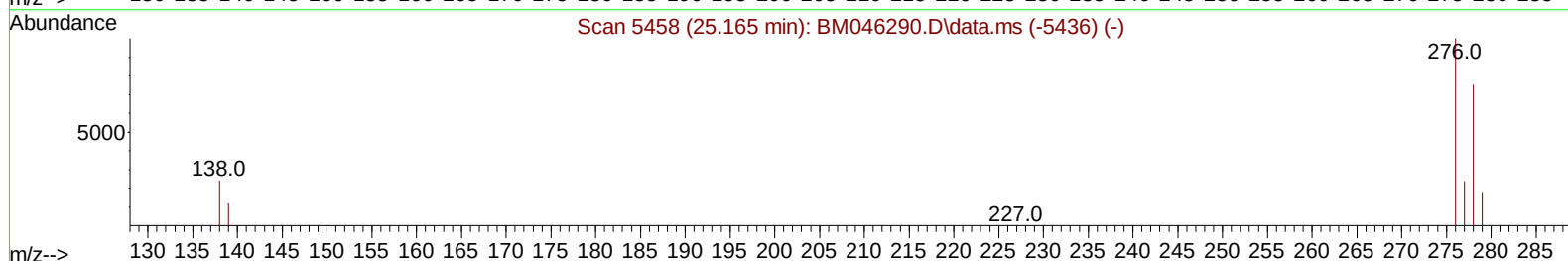
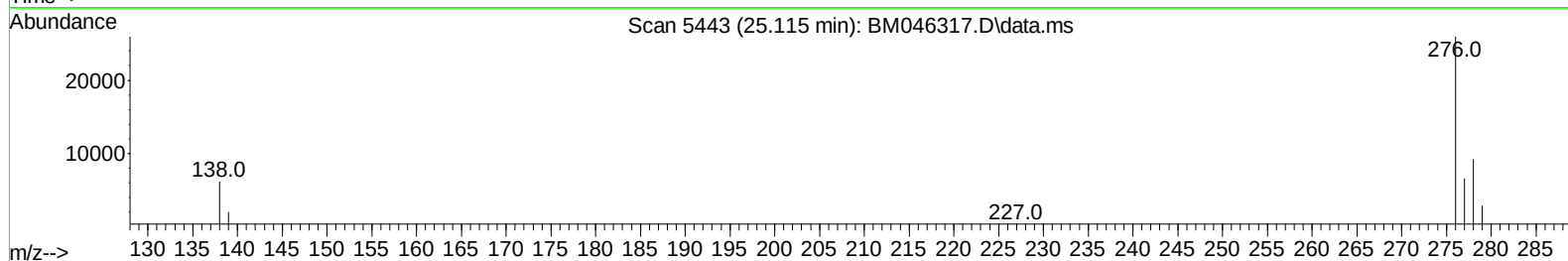
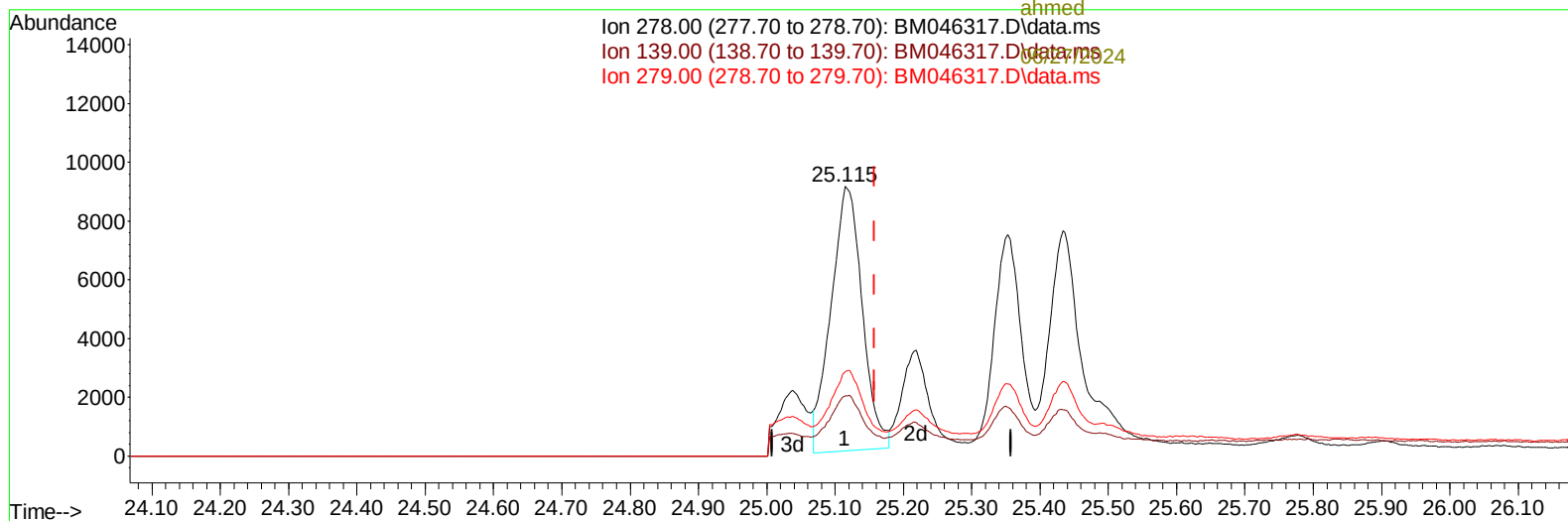
Manual IntegrationsAPPROVED

Quant Time: Jun 26 07:46:02 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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06/26/2024
Supervised By :mohammad
ahmed

Ion 278.00 (277.70 to 278.70): BM046317.D\data.ms
Ion 139.00 (138.70 to 139.70): BM046317.D\data.ms
Ion 279.00 (278.70 to 279.70): BM046317.D\data.ms



TIC: BM046317.D\data.ms

(28) Dibenzo(a,h)anthracene

25.115min (-0.044) 1.00 ng/u1

response 28678

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	22.00	22.20
279.00	32.90	31.16
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046317.D
Acq On : 26 Jun 2024 07:16
Operator : MA/JU
Sample : P2909-12
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CP1

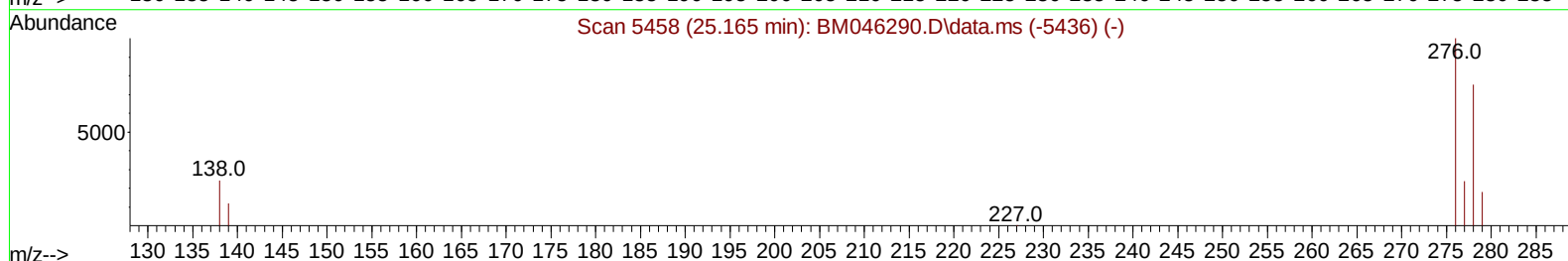
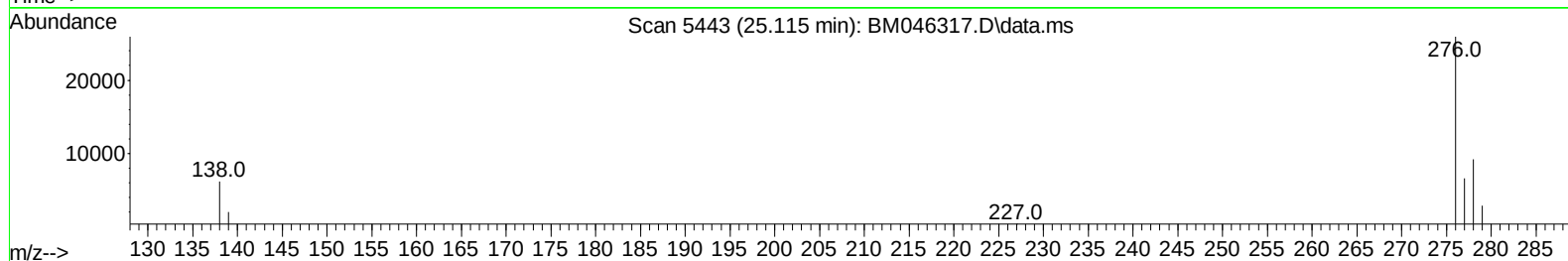
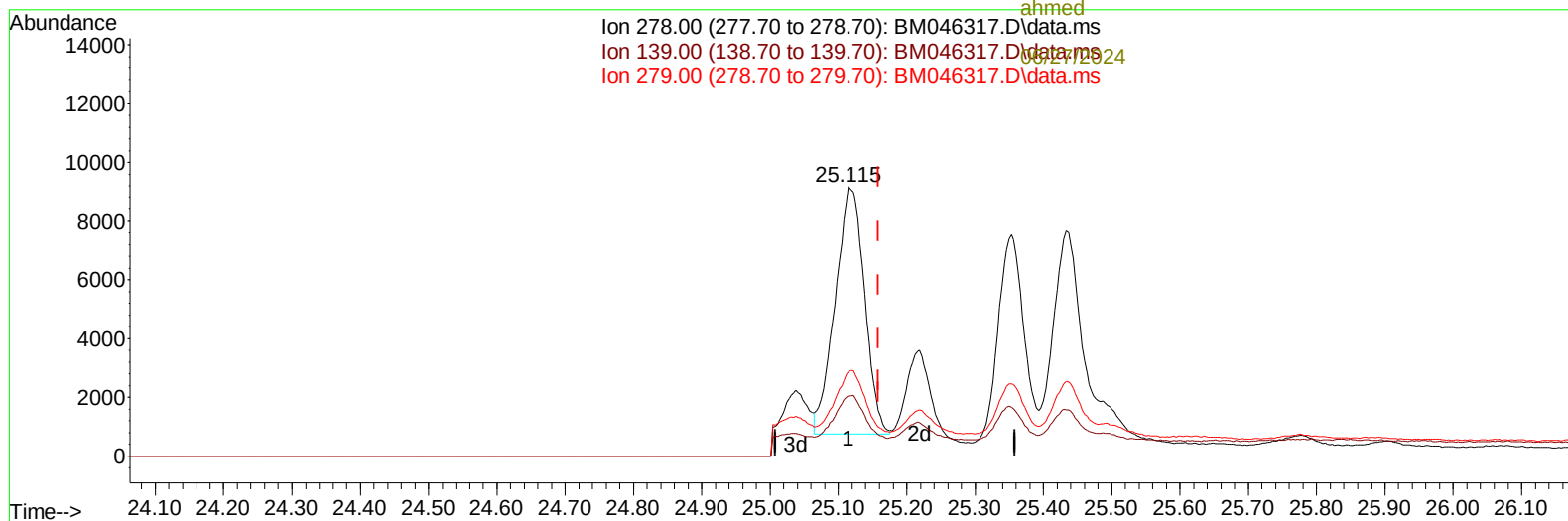
Manual IntegrationsAPPROVED

Quant Time: Jun 26 07:46:02 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
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Supervised By :mohammad ahmed 06/27/2024

06/26/2024
Supervised By :mohammad
ahmed

Ion 278.00 (277.70 to 278.70): BM046317.D\data.ms
Ion 139.00 (138.70 to 139.70): BM046317.D\data.ms
Ion 279.00 (278.70 to 279.70): BM046317.D\data.ms



TIC: BM046317.D\data.ms

(28) Dibenzo(a,h)anthracene

25.115min (-0.044) 0.88 ng/ul m

response 25198

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	22.00	22.20
279.00	32.90	31.16
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
 Data File : BM046317.D
 Acq On : 26 Jun 2024 07:16
 Operator : MA/JU
 Sample : P2909-12
 Misc :
 ALS Vial : 78 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4CP1

Manual IntegrationsAPPROVED

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

Quant Time: Jun 26 07:46:02 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)
-----06/27/2024						
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.392	152	2308	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.167	136	6842	0.400	ng/ul	-0.05
9) Acenaphthene-d10	14.039	164	3788	0.400	ng/ul	#-0.03
13) Phenanthrene-d10	16.787	188	8736m	0.400	ng/ul	-0.05
17) Chrysene-d12	20.991	240	6629m	0.400	ng/ul	-0.03
23) Perylene-d12	23.080	264	7079m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.016	96	8301	2.621	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.789	152	2077	0.226	ng/ul	-0.05
18) Fluoranthene-d10	18.821	212	4827	0.243	ng/ul	-0.04
Target Compounds						
						Qvalue
5) Naphthalene	10.211	128	3881	0.203	ng/ul	97
7) 2-Methylnaphthalene	11.860	142	1291	0.120	ng/ul	96
8) 1-Methylnaphthalene	12.069	142	1009	0.086	ng/ul	97
10) Acenaphthylene	13.757	152	9931	0.553	ng/ul	99
11) Acenaphthene	14.104	153	3797	0.293	ng/ul	99
12) Fluorene	15.099	166	4847	0.348	ng/ul	99
15) Phenanthrene	16.829	178	116454m	4.745	ng/ul	
16) Anthracene	16.922	178	24289m	1.329	ng/ul	
19) Fluoranthene	18.853	202	275158	9.587	ng/ul	95
20) Pyrene	19.216	202	183263	5.904	ng/ul	95
21) Benzo(a)anthracene	20.976	228	115528	4.512	ng/ul	100
22) Chrysene	21.029	228	128660	3.937	ng/ul	98
24) Benzo(b)fluoranthene	22.466	252	176974m	6.939	ng/ul	
25) Benzo(k)fluoranthene	22.504	252	68131m	2.247	ng/ul	
26) Benzo(a)pyrene	22.987	252	60975	2.580	ng/ul#	76
27) Indeno(1,2,3-cd)pyrene	25.115	276	69269	1.791	ng/ul#	99
28) Dibenzo(a,h)anthracene	25.115	278	25198m	0.875	ng/ul	
29) Benzo(g,h,i)perylene	25.739	276	9603	0.290	ng/ul#	88

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046317.D
Acq On : 26 Jun 2024 07:16
Operator : MA/JU
Sample : P2909-12
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CP1

Manual IntegrationsAPPROVED

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