

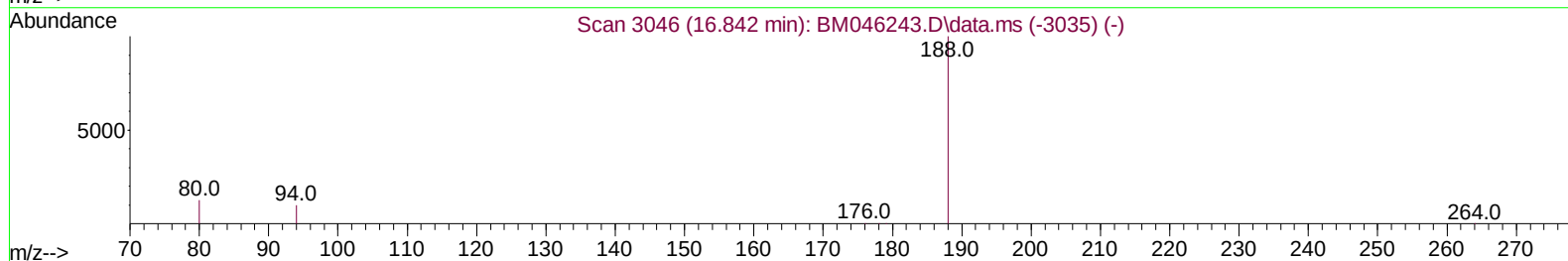
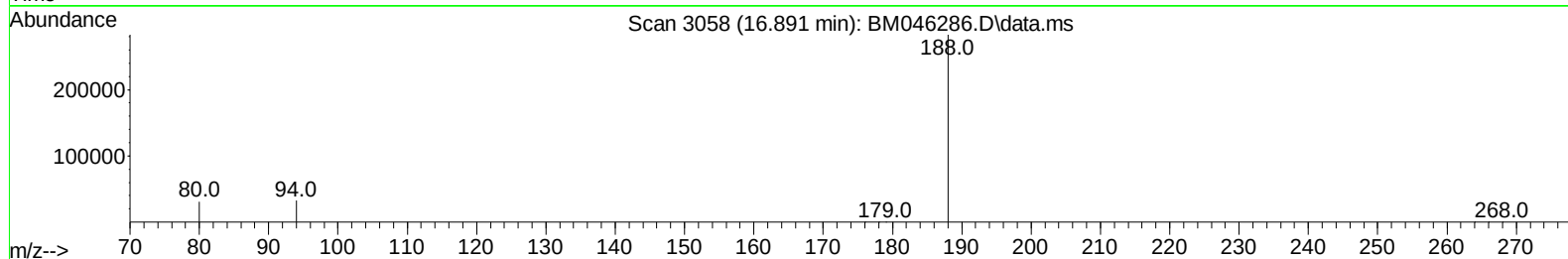
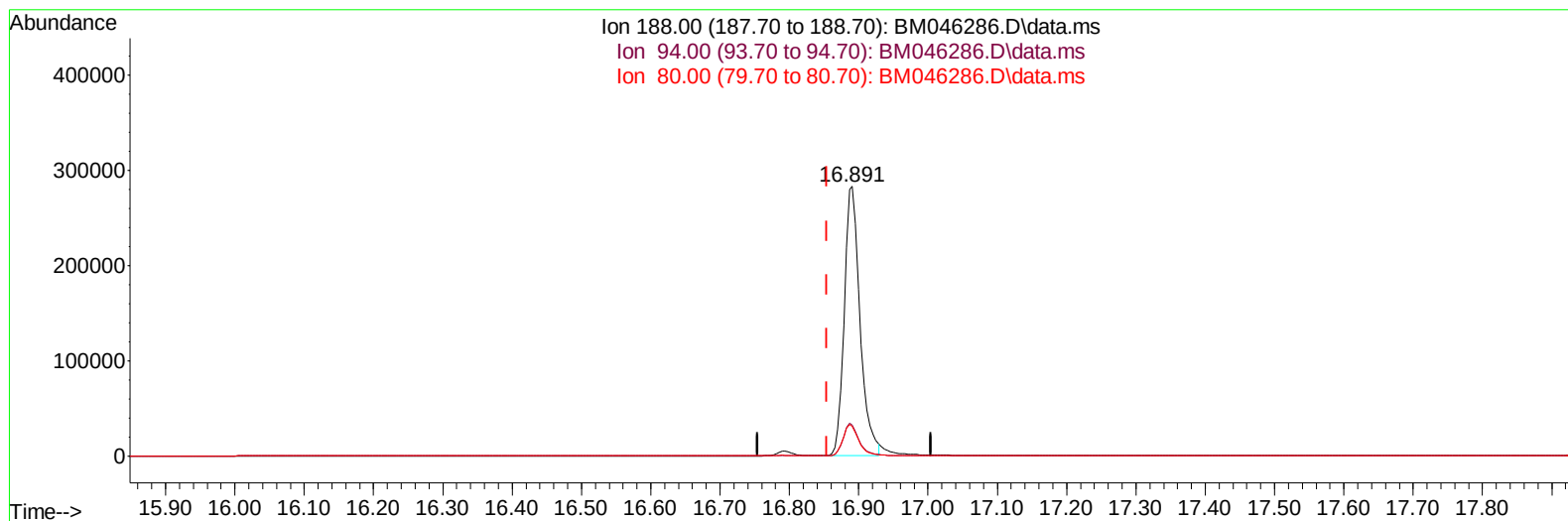
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046286.D
Acq On : 25 Jun 2024 11:41
Operator : MA/JU
Sample : P2844-25
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C50

Manual IntegrationsAPPROVED

Quant Time: Jun 25 12:49:19 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 : Tue Jun 25 08:04:59 2024
Response via : Initial Calibration

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



TIC: BM046286.D\data.ms

(13) Phenanthrene-d10 (I)

16.891min (+ 0.037) 0.40 ng/u1

response 447408

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	11.46
80.00	15.20	11.01#
0.00	0.00	0.00

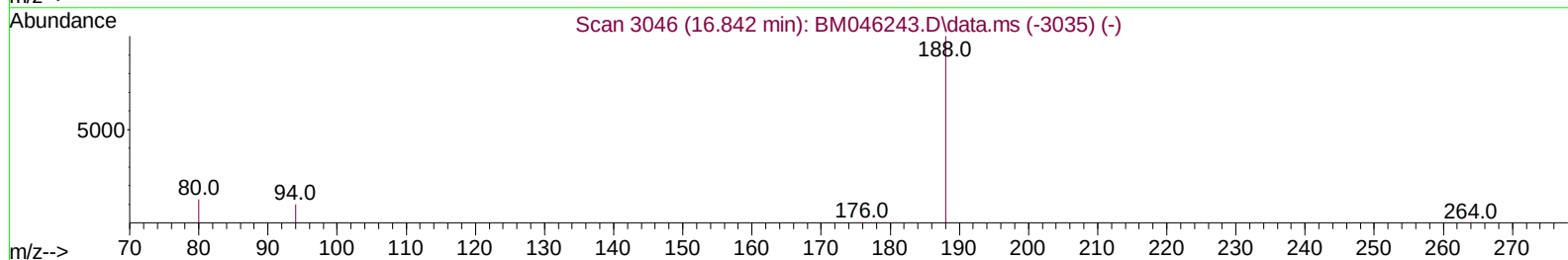
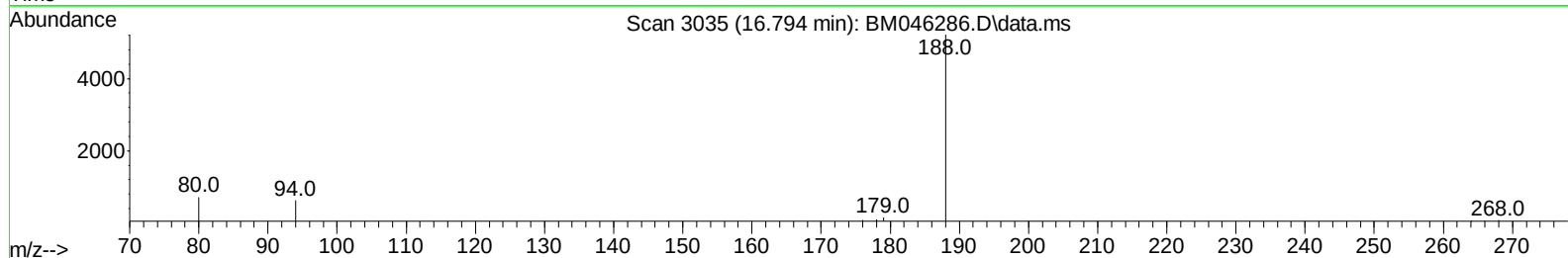
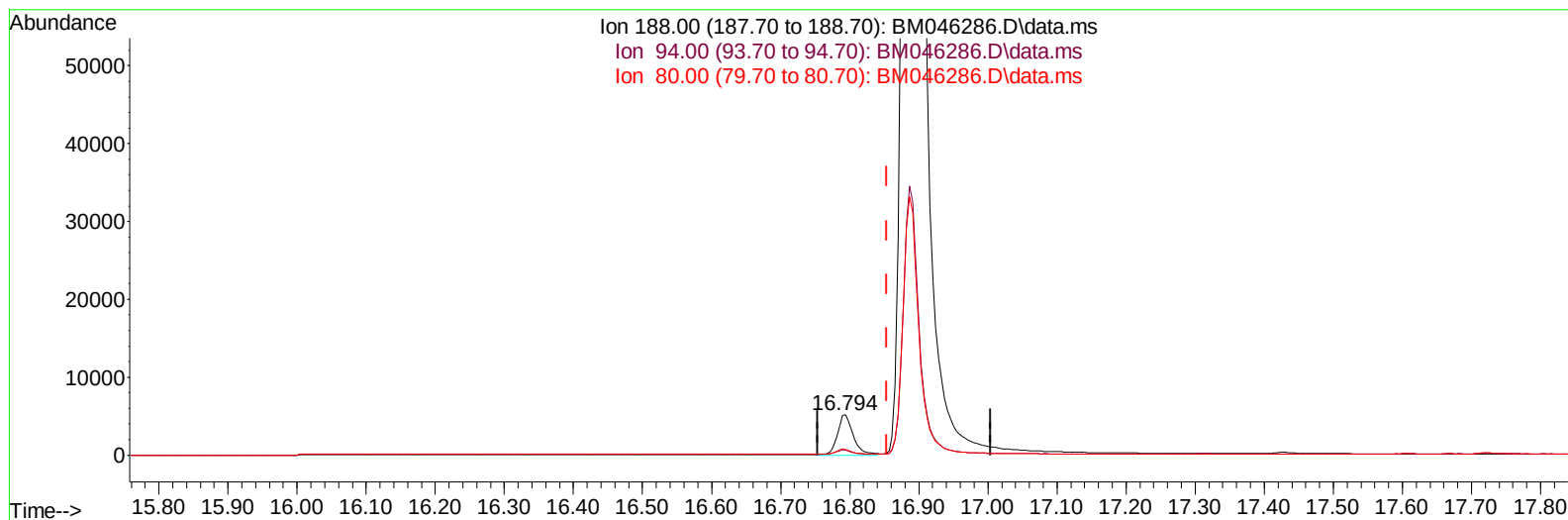
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046286.D
Acq On : 25 Jun 2024 11:41
Operator : MA/JU
Sample : P2844-25
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C50

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 06/26/2024
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TIC: BM046286.D\data.ms

(13) Phenanthrene-d10 (I)

16.794min (-0.060) 0.40 ng/ul m

response 8214

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.13
80.00	15.20	13.86
0.00	0.00	0.00

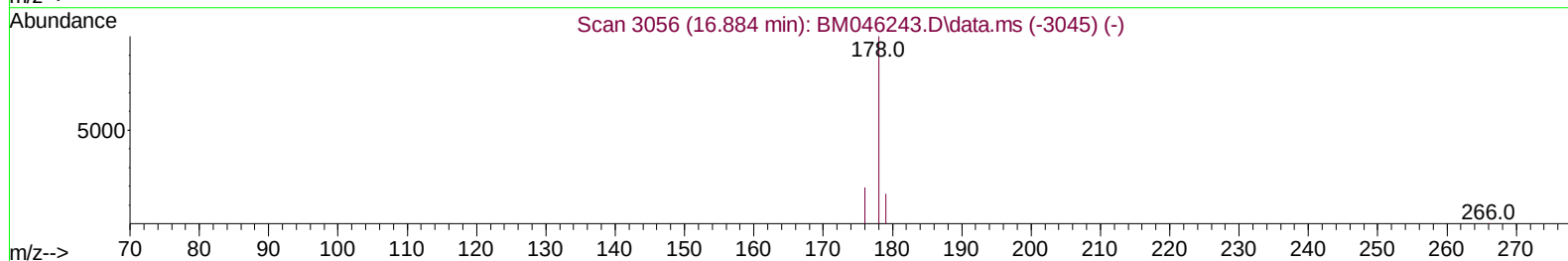
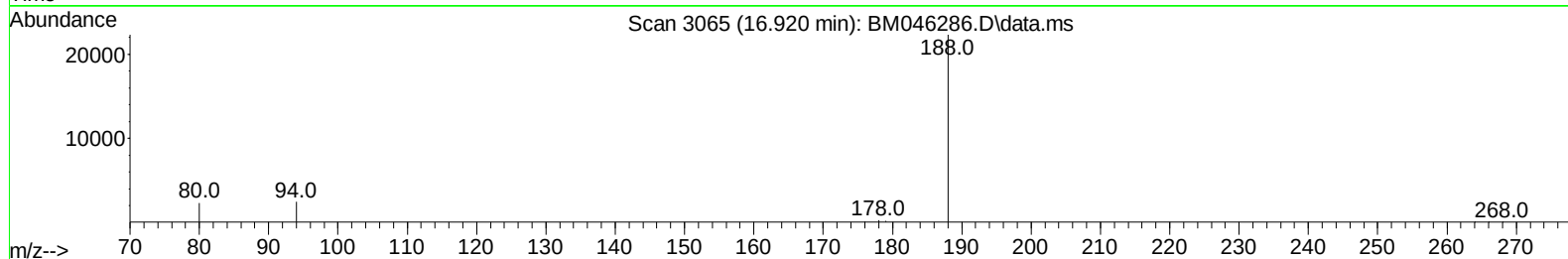
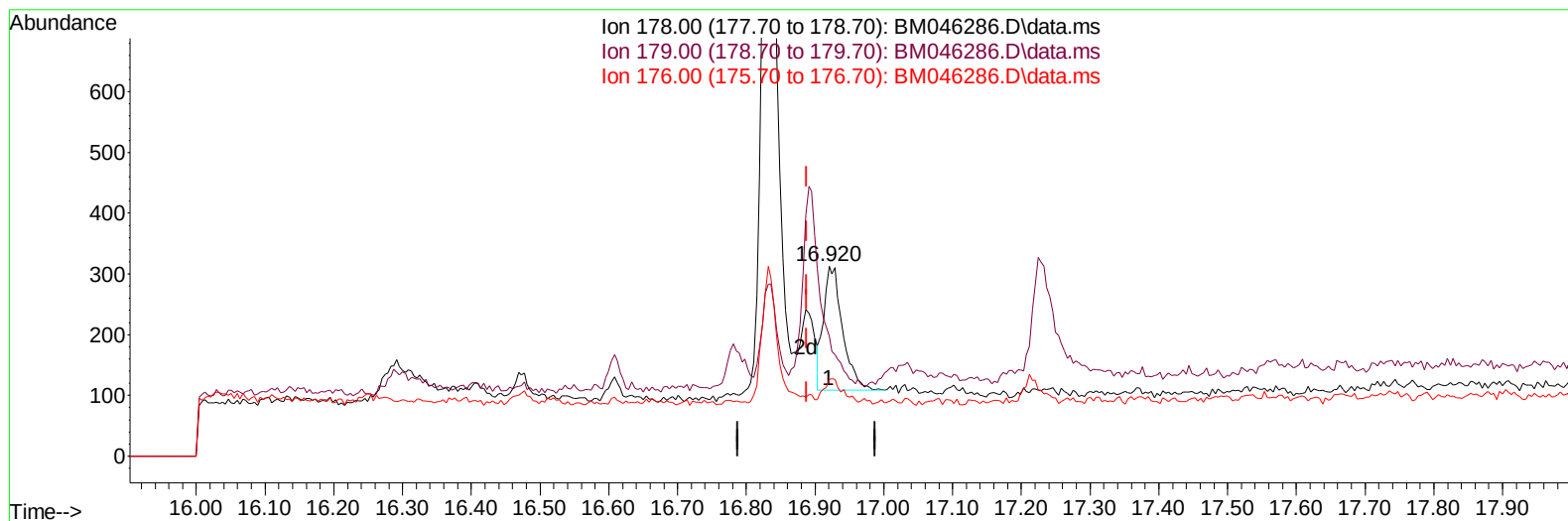
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046286.D
Acq On : 25 Jun 2024 11:41
Operator : MA/JU
Sample : P2844-25
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C50

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Quant Time: Jun 25 12:49:19 2024
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TIC: BM046286.D\data.ms

(15) Phenanthrene

16.920min (+ 0.032) 0.02 ng/u1

response 391

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	63.26#
176.00	21.40	40.58#
0.00	0.00	0.00

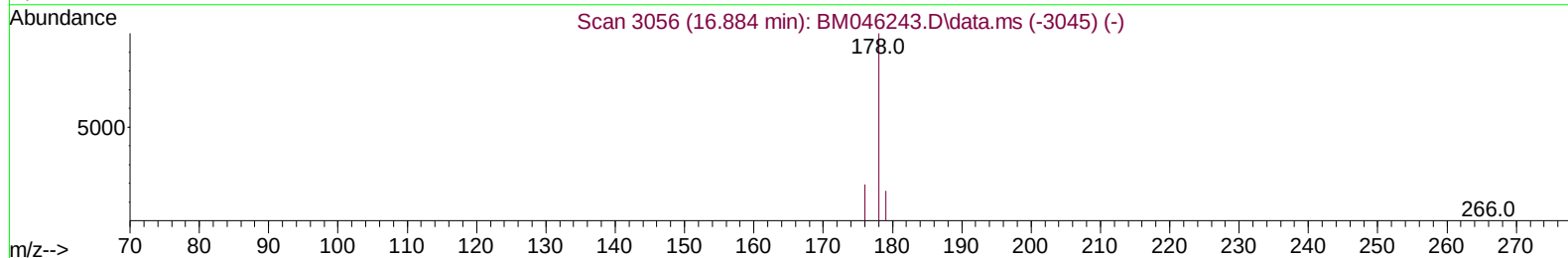
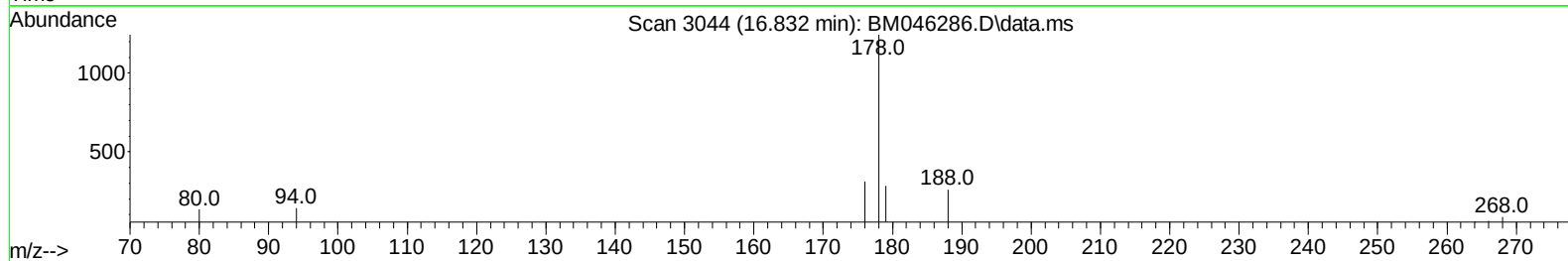
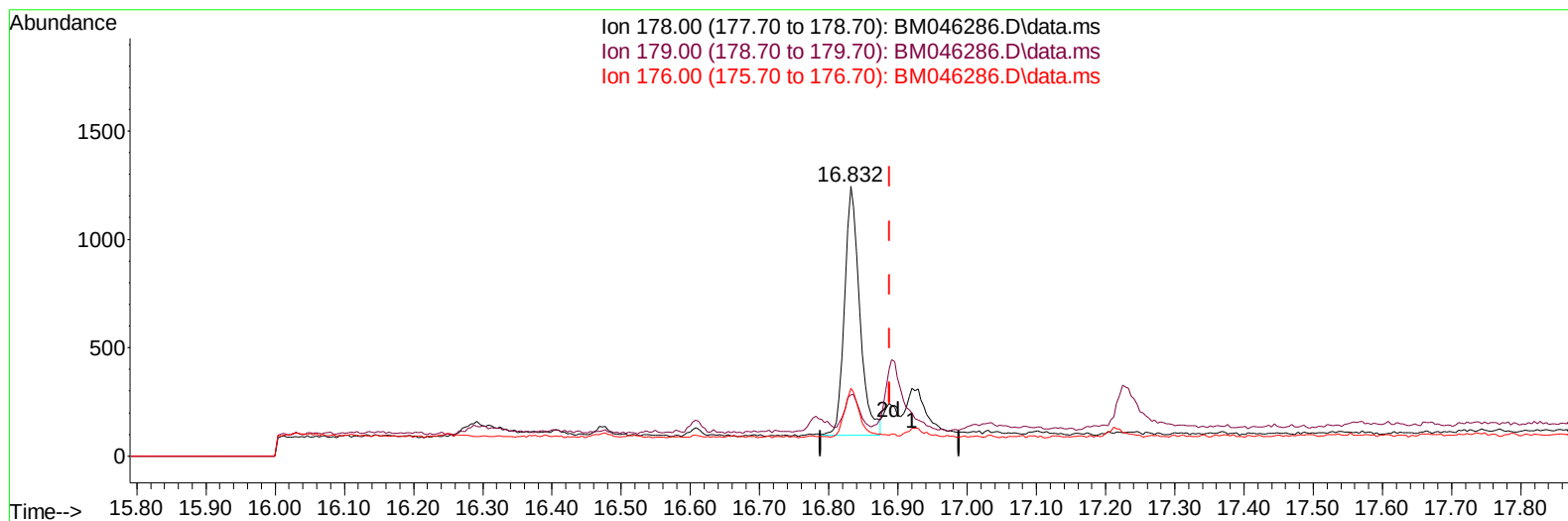
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046286.D
Acq On : 25 Jun 2024 11:41
Operator : MA/JU
Sample : P2844-25
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C50

Manual IntegrationsAPPROVED

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QLast Update : Tue Jun 25 08:04:59 2024
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TIC: BM046286.D\data.ms

(15) Phenanthrene

16.832min (-0.056) 0.08 ng/ul m

response 1760

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	22.75#
176.00	21.40	25.16
0.00	0.00	0.00

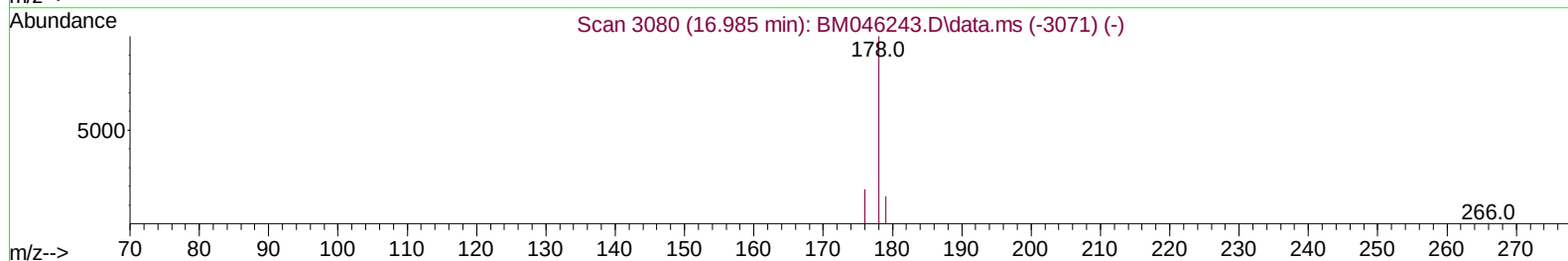
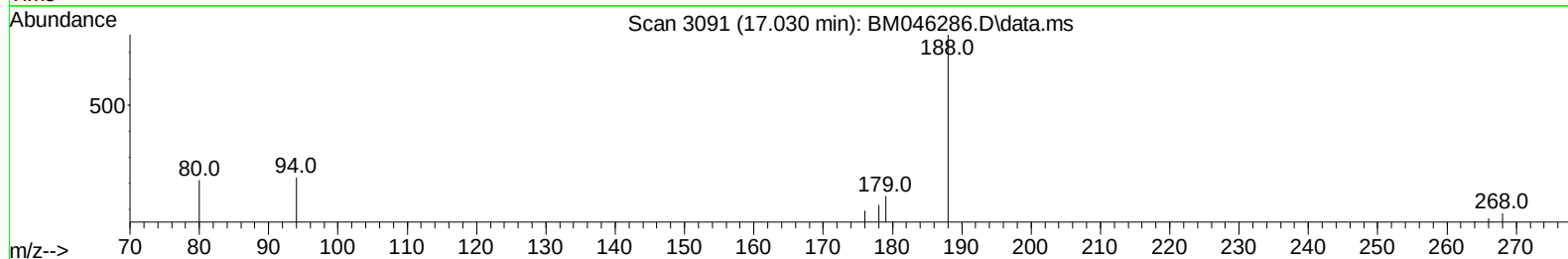
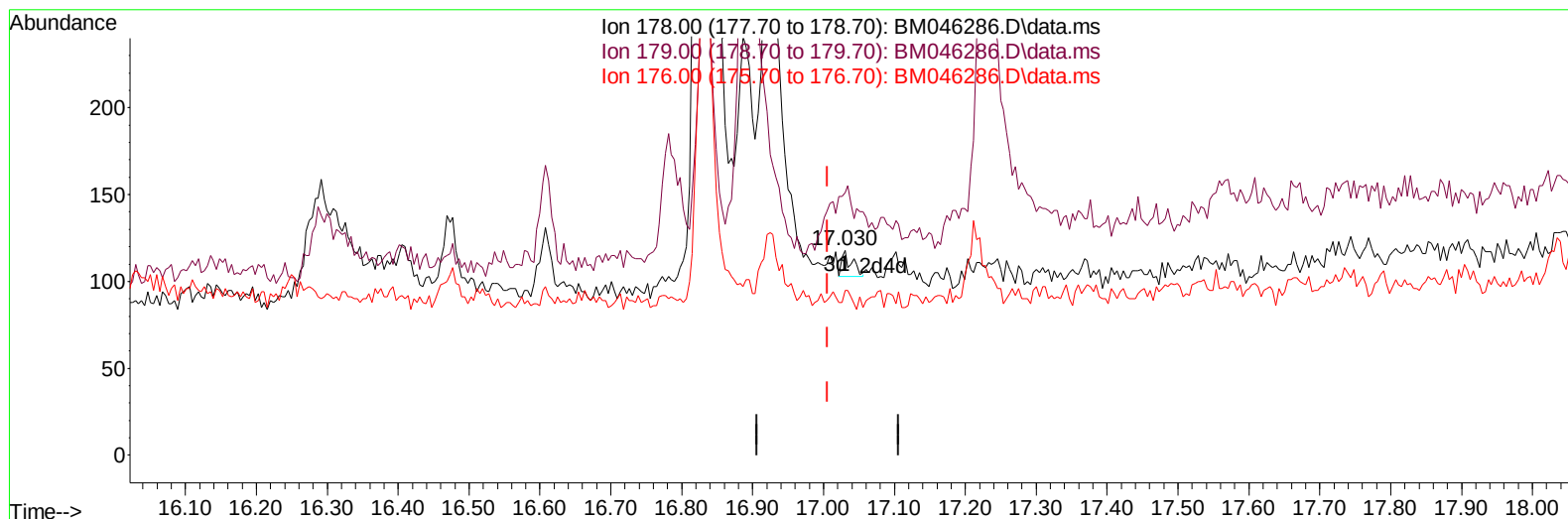
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046286.D
Acq On : 25 Jun 2024 11:41
Operator : MA/JU
Sample : P2844-25
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C50

Manual IntegrationsAPPROVED

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TIC: BM046286.D\data.ms

(16) Anthracene

17.030min (+ 0.024) 0.00 ng/u1

response 15

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	127.97#
176.00	21.20	80.51#
0.00	0.00	0.00

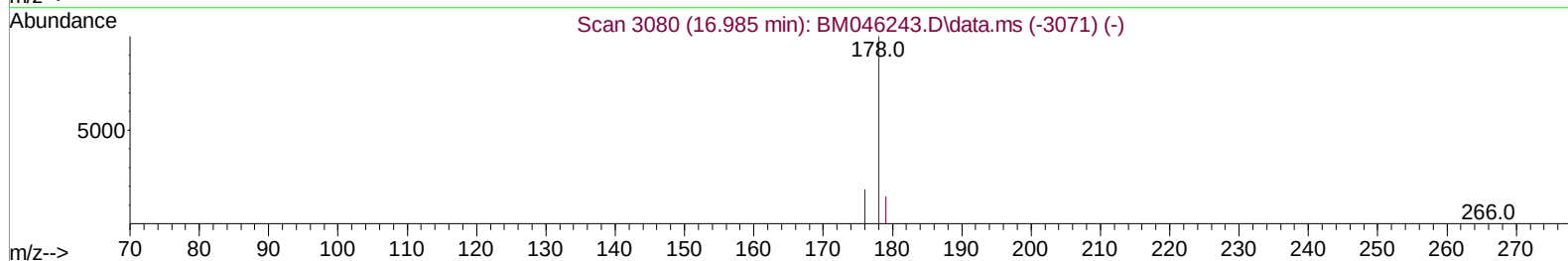
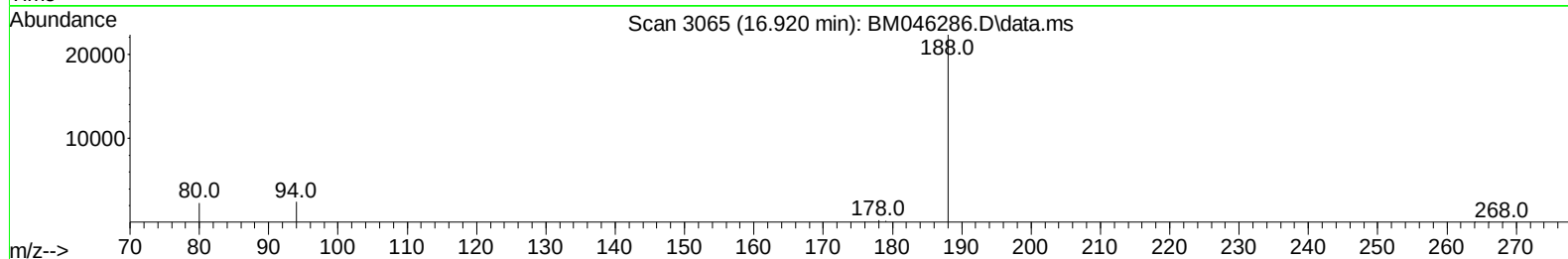
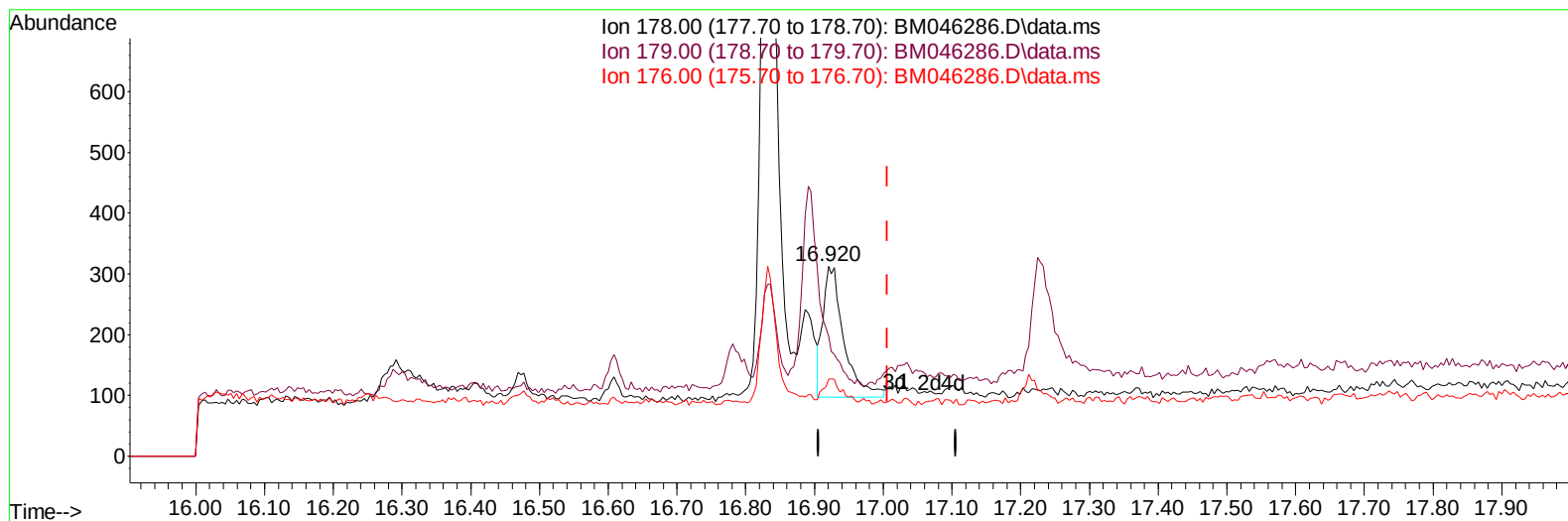
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046286.D
Acq On : 25 Jun 2024 11:41
Operator : MA/JU
Sample : P2844-25
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C50

Manual IntegrationsAPPROVED

Quant Time: Jun 25 12:49:19 2024
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QLast Update : Tue Jun 25 08:04:59 2024
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TIC: BM046286.D\data.ms

(16) Anthracene

16.920min (-0.086) 0.03 ng/ul m

response 461

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	63.26#
176.00	21.20	40.58#
0.00	0.00	0.00

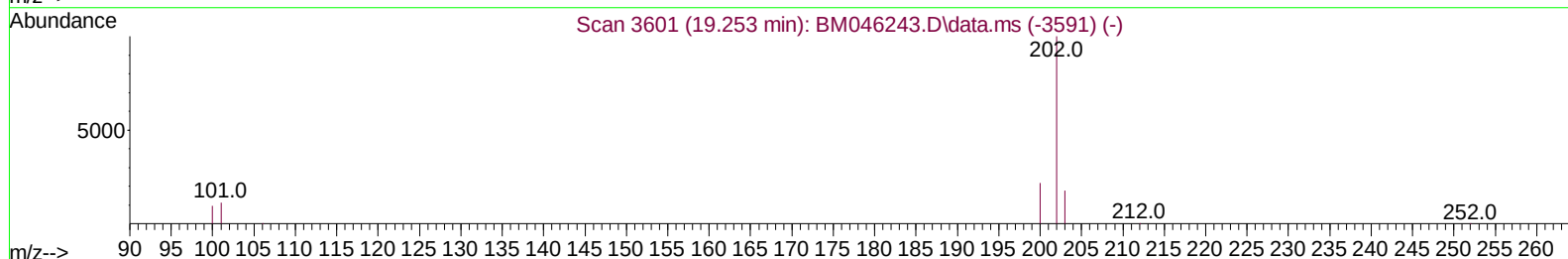
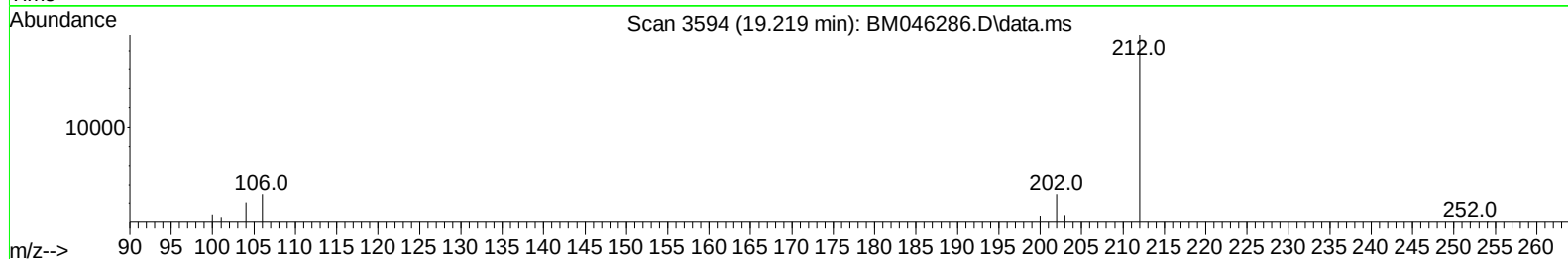
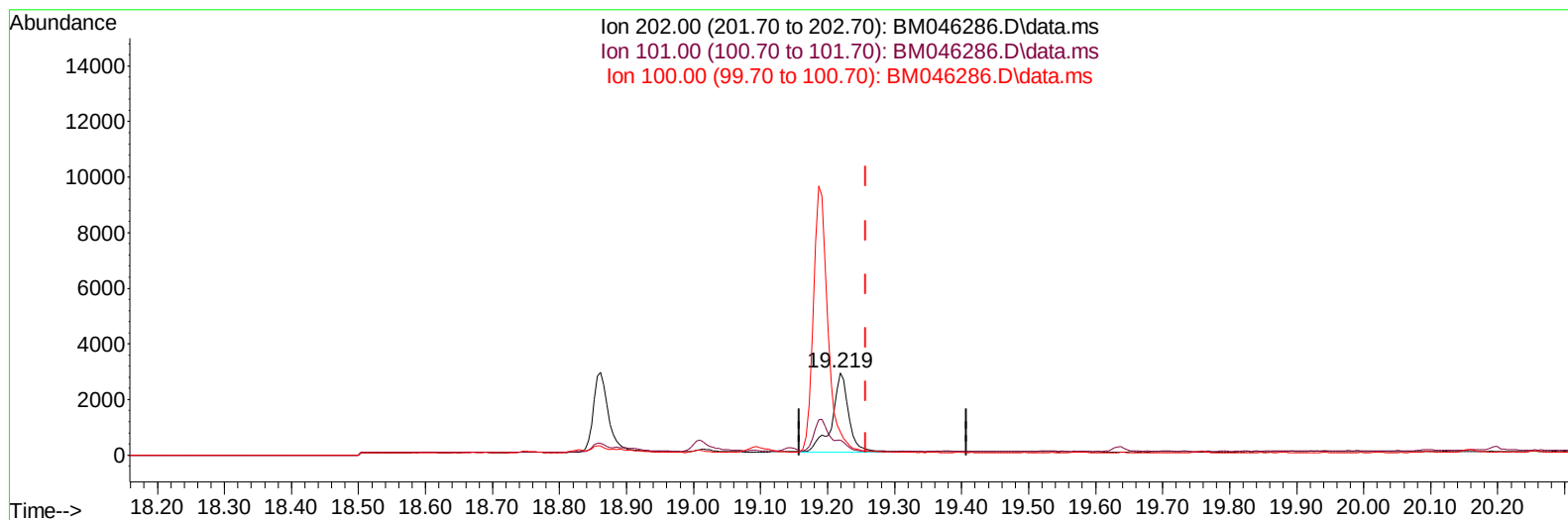
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046286.D
Acq On : 25 Jun 2024 11:41
Operator : MA/JU
Sample : P2844-25
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C50

Manual IntegrationsAPPROVED

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TIC: BM046286.D\data.ms

(20) Pyrene

19.219min (-0.039) 0.17 ng/u1

response 4886

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	14.10	18.08#
100.00	12.20	27.95#
0.00	0.00	0.00

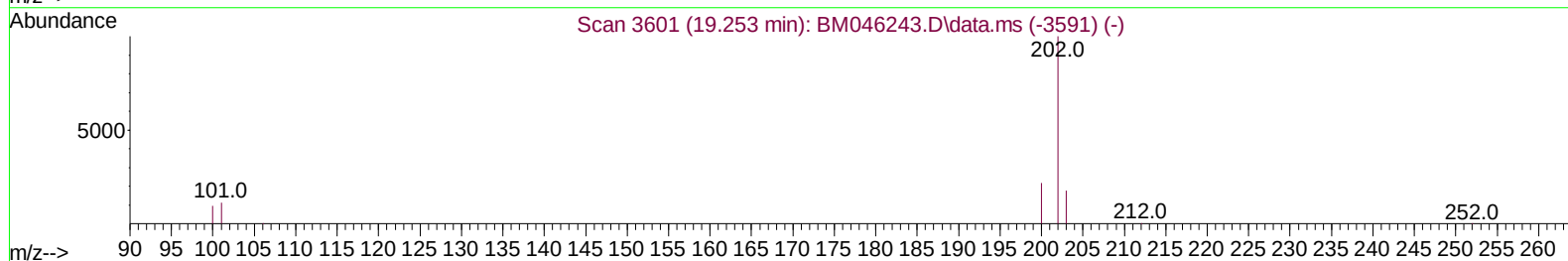
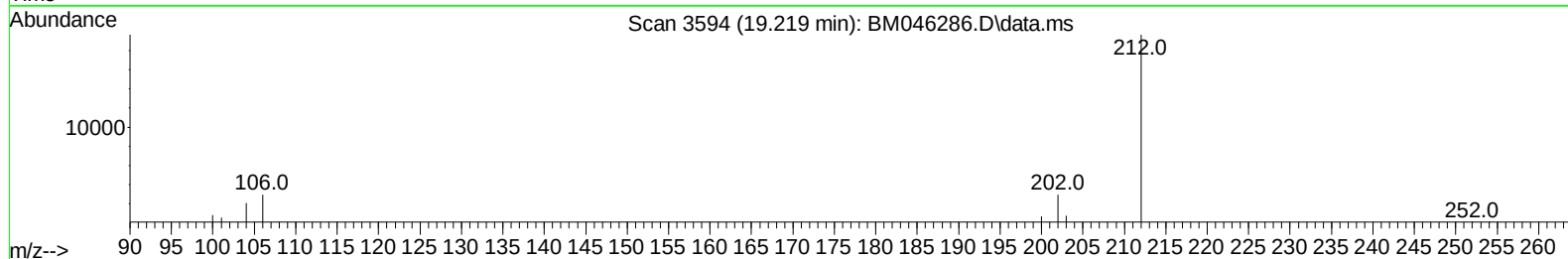
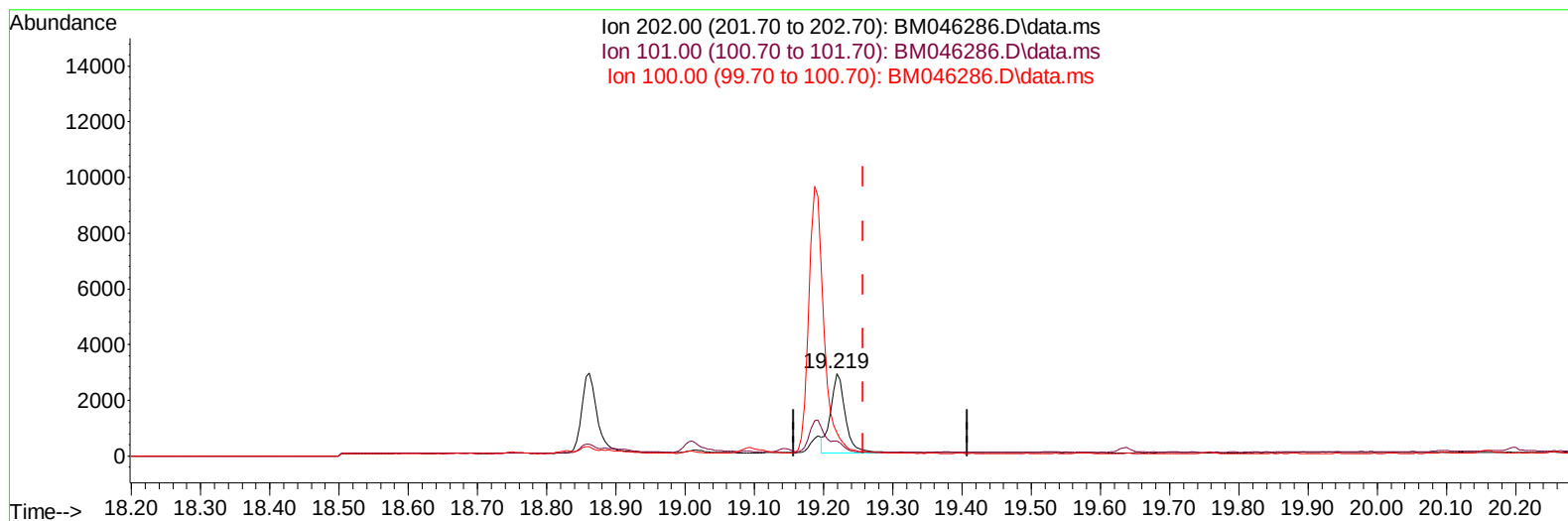
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046286.D
Acq On : 25 Jun 2024 11:41
Operator : MA/JU
Sample : P2844-25
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C50

Manual IntegrationsAPPROVED

Quant Time: Jun 25 12:49:19 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 : Tue Jun 25 08:04:59 2024
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TIC: BM046286.D\data.ms

(20) Pyrene

19.219min (-0.039) 0.15 ng/ul m

response 4204

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	14.10	18.08#
100.00	12.20	27.95#
0.00	0.00	0.00

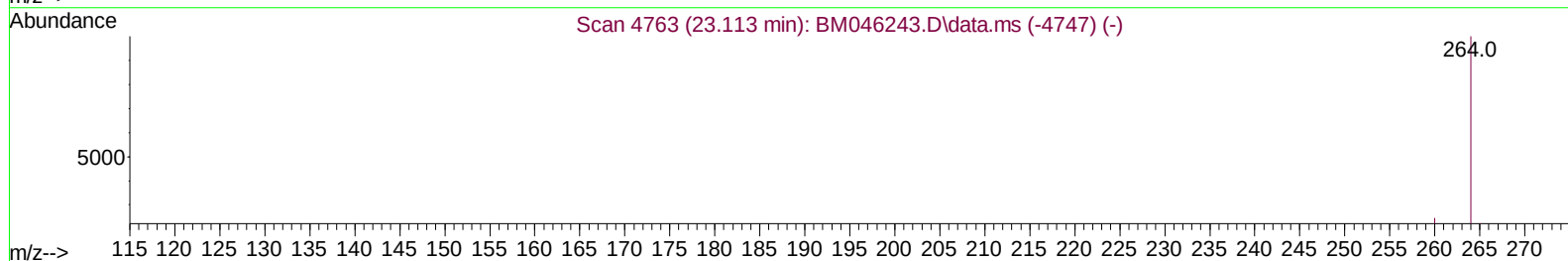
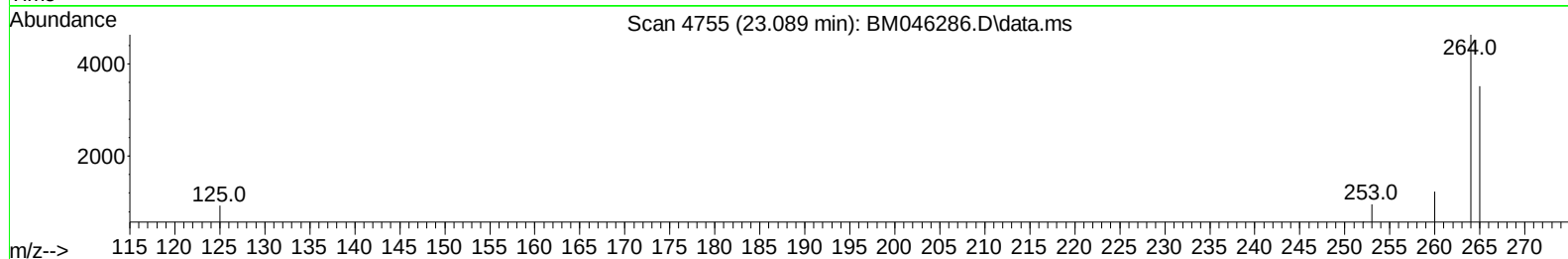
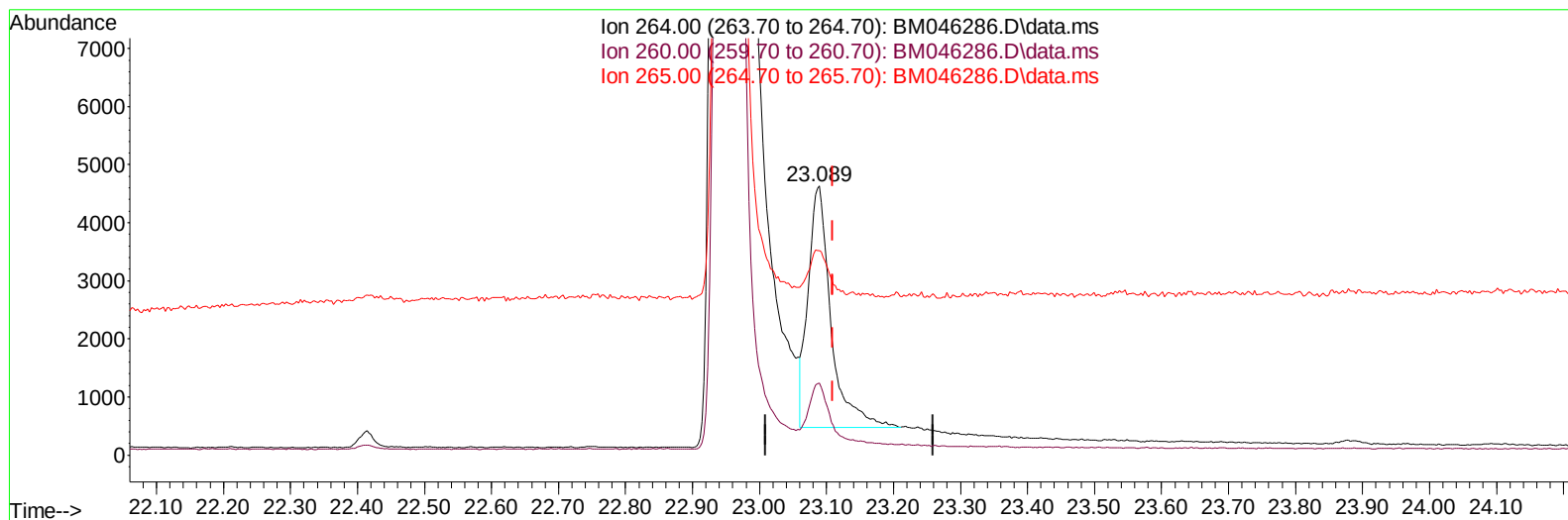
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046286.D
Acq On : 25 Jun 2024 11:41
Operator : MA/JU
Sample : P2844-25
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C50

Manual IntegrationsAPPROVED

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TIC: BM046286.D\data.ms

(23) Perylene-d12 (I)

23.089min (-0.020) 0.40 ng/u1

response 9809

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	26.74
265.00	110.60	76.07#
0.00	0.00	0.00

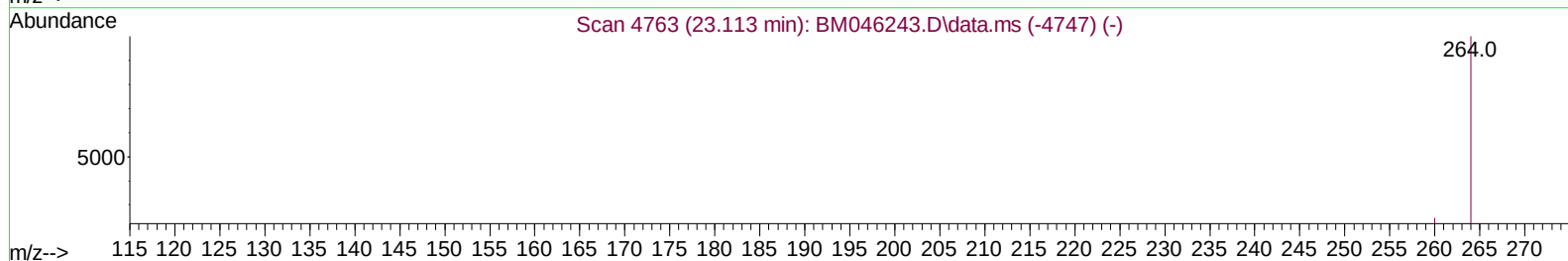
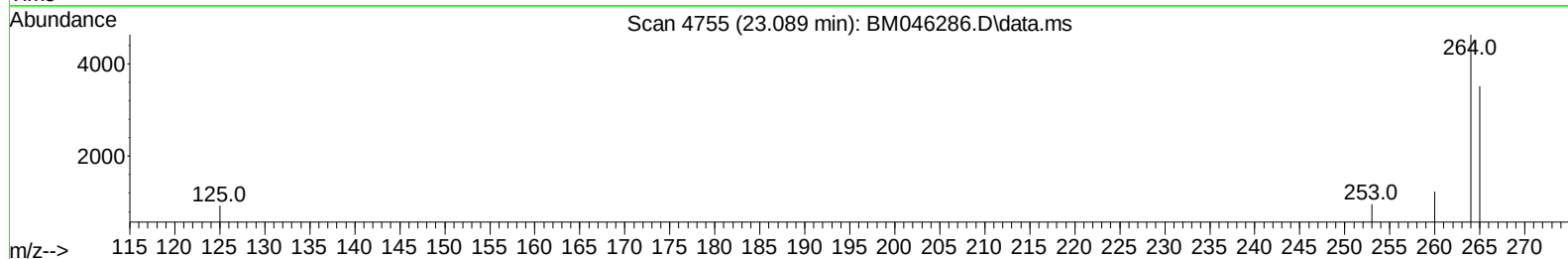
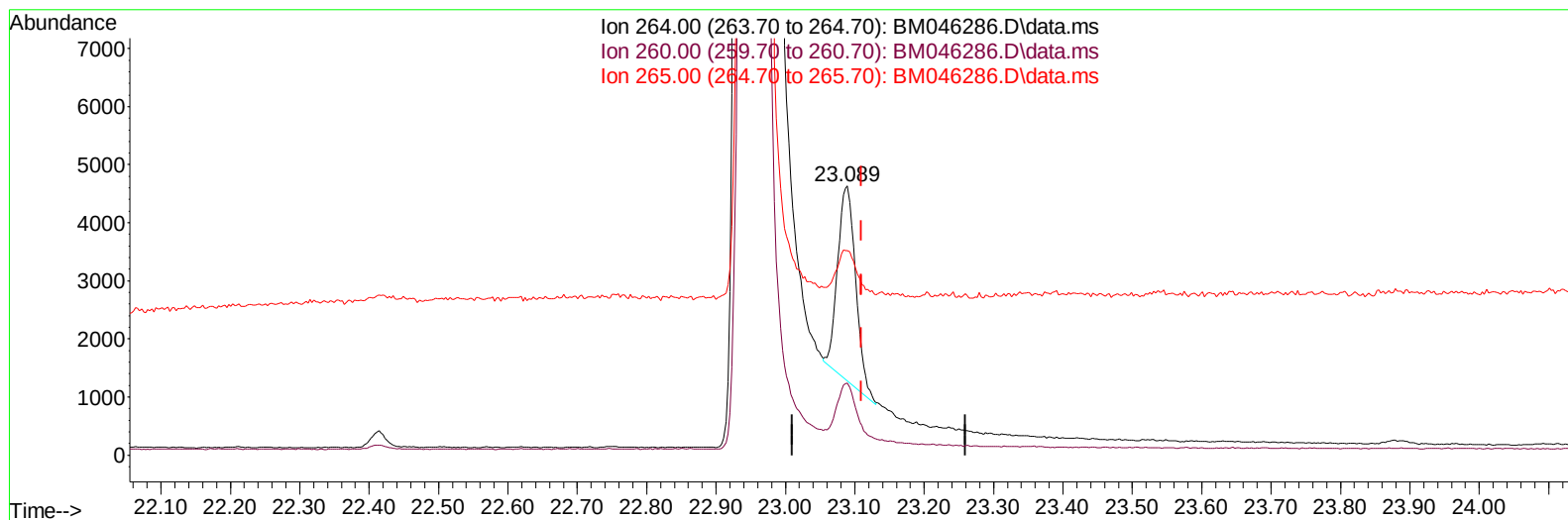
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Data File : BM046286.D
Acq On : 25 Jun 2024 11:41
Operator : MA/JU
Sample : P2844-25
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C50

Manual IntegrationsAPPROVED

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TIC: BM046286.D\data.ms

(23) Perylene-d12 (I)

23.089min (-0.020) 0.40 ng/ul m

response 5991

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	26.74
265.00	110.60	76.07#
0.00	0.00	0.00

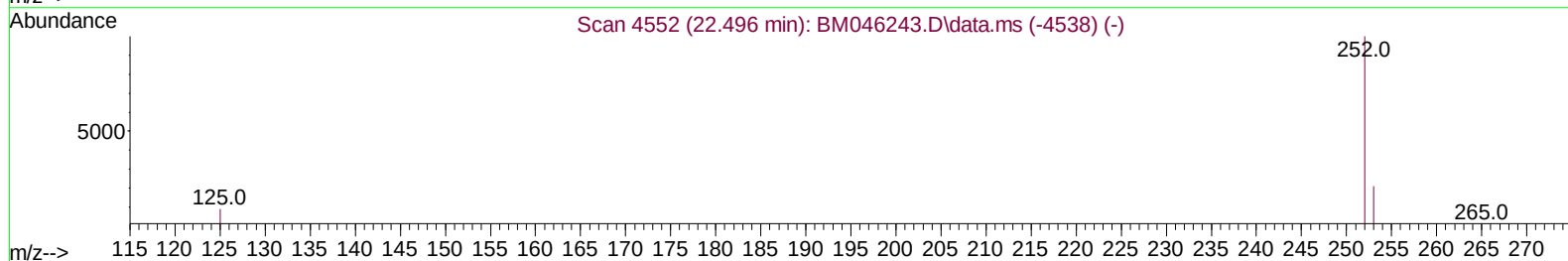
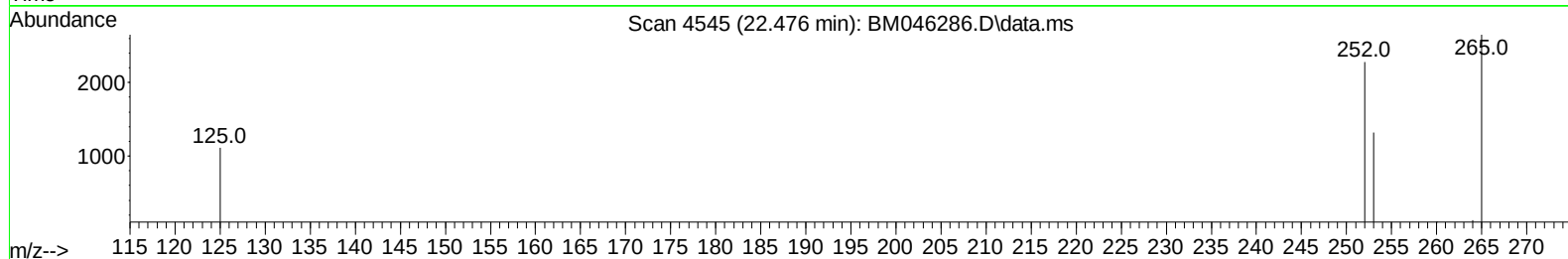
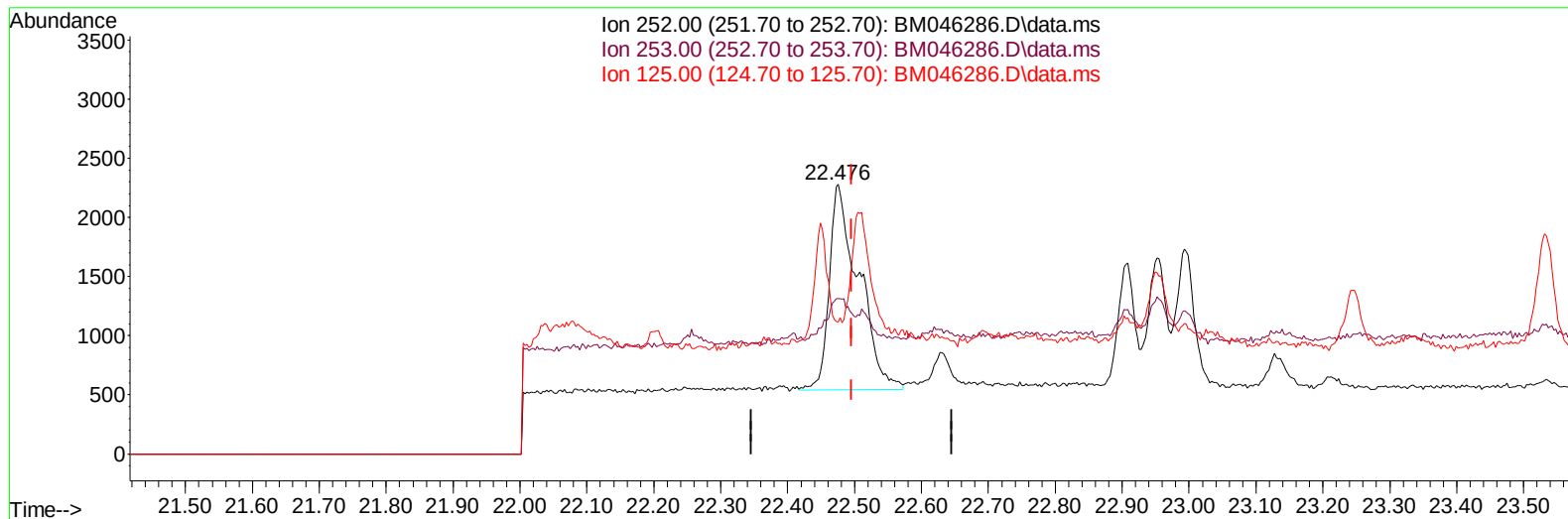
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
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Instrument :
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TIC: BM046286.D\data.ms

(24) Benzo(b)fluoranthene

22.476min (-0.020) 0.25 ng/u1

response 5310

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	57.77
125.00	20.10	48.90#
0.00	0.00	0.00

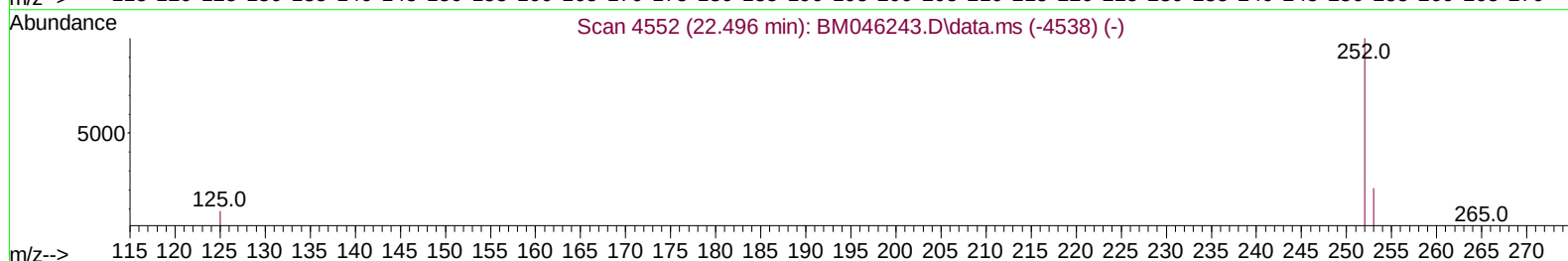
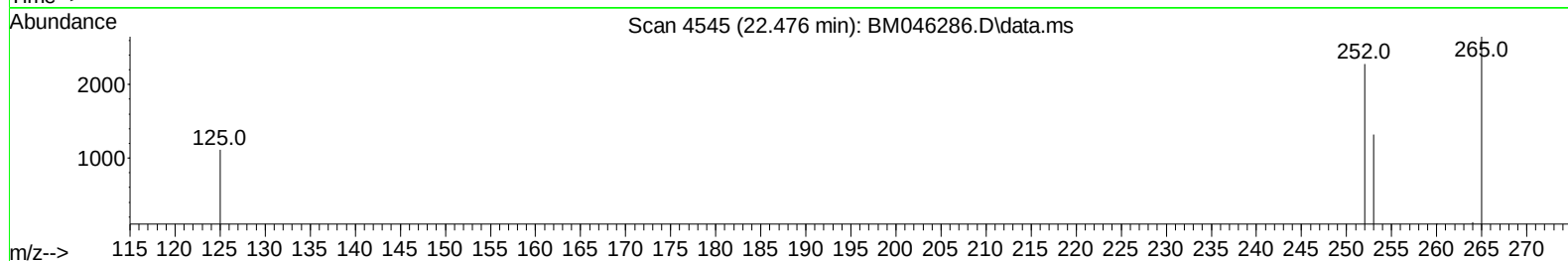
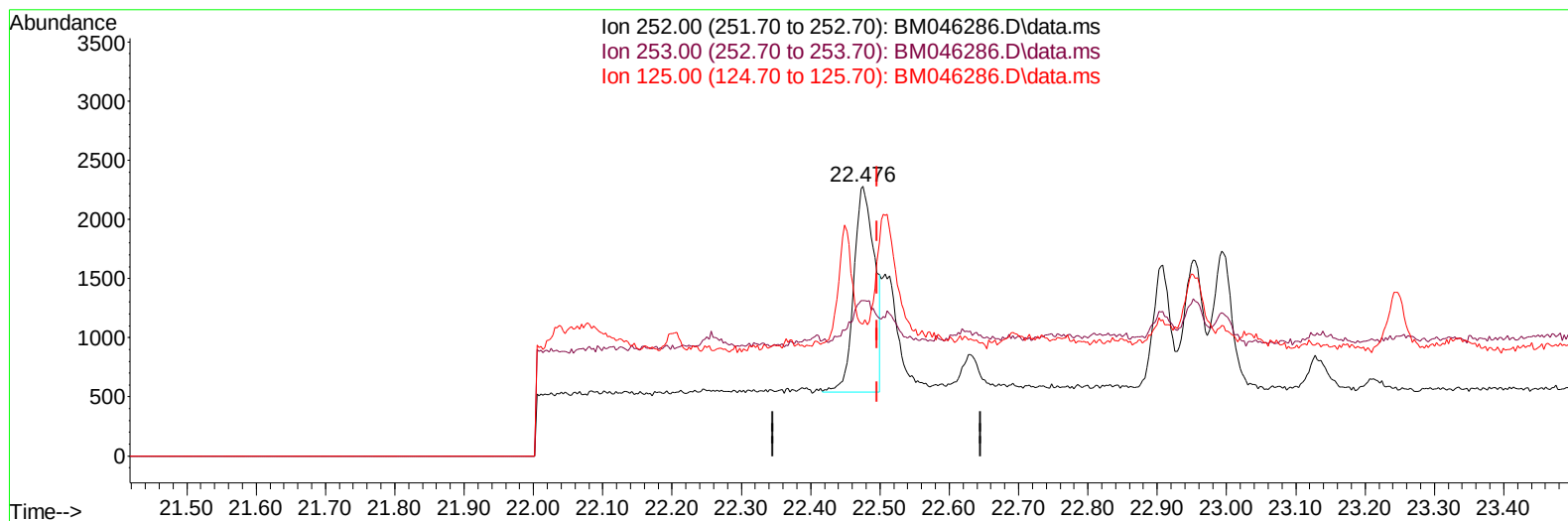
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046286.D
Acq On : 25 Jun 2024 11:41
Operator : MA/JU
Sample : P2844-25
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BM046286.D\data.ms

(24) Benzo(b)fluoranthene

22.476min (-0.020) 0.17 ng/ul m

response 3575

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	57.77
125.00	20.10	48.90#
0.00	0.00	0.00

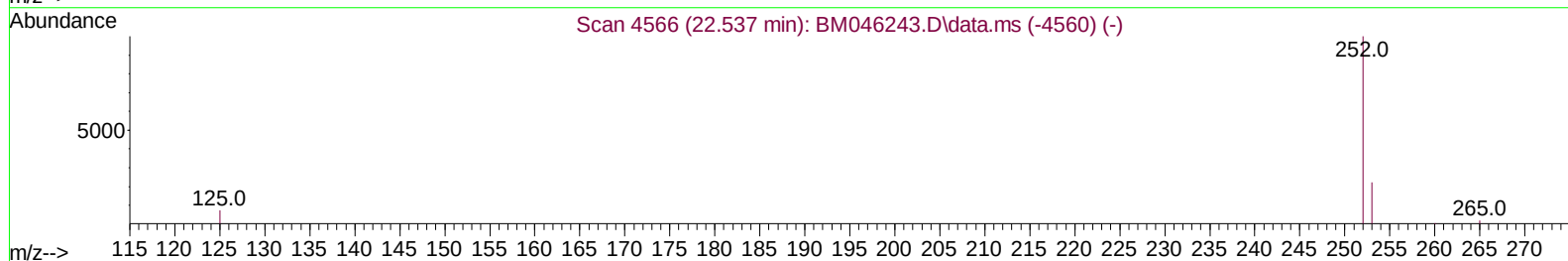
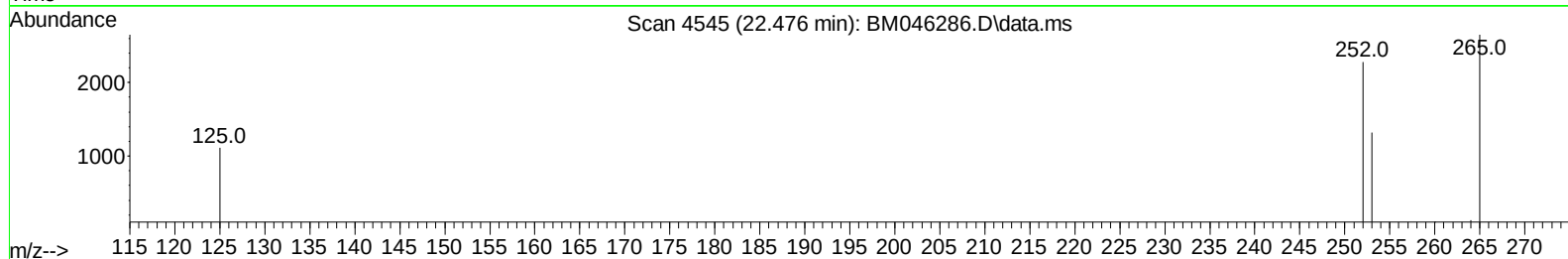
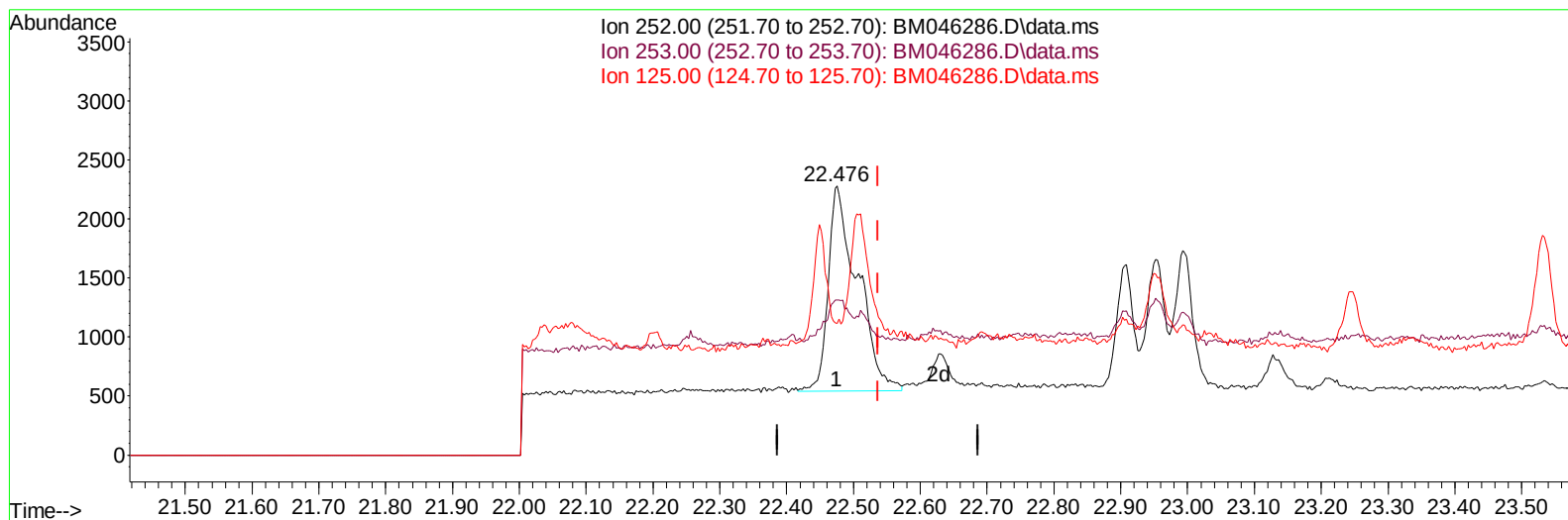
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
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Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_M
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A4C50

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TIC: BM046286.D\data.ms

(25) Benzo(k)fluoranthene

22.476min (-0.061) 0.21 ng/u1

response 5310

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	57.77#
125.00	20.80	48.90#
0.00	0.00	0.00

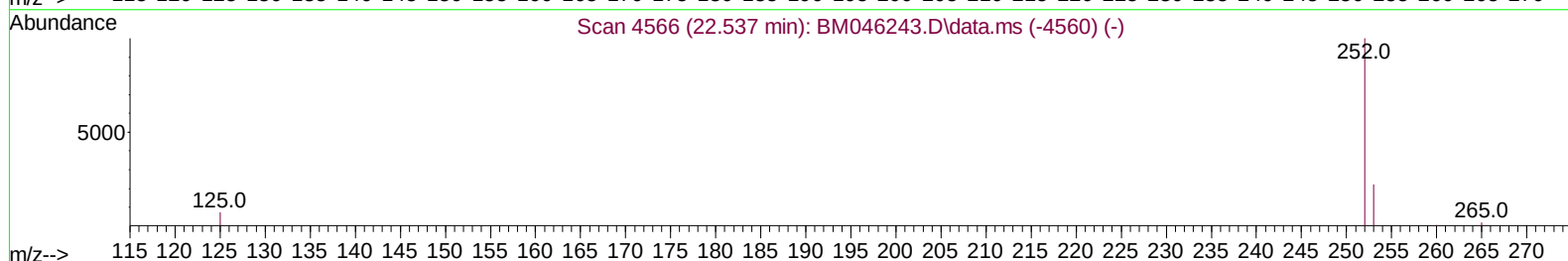
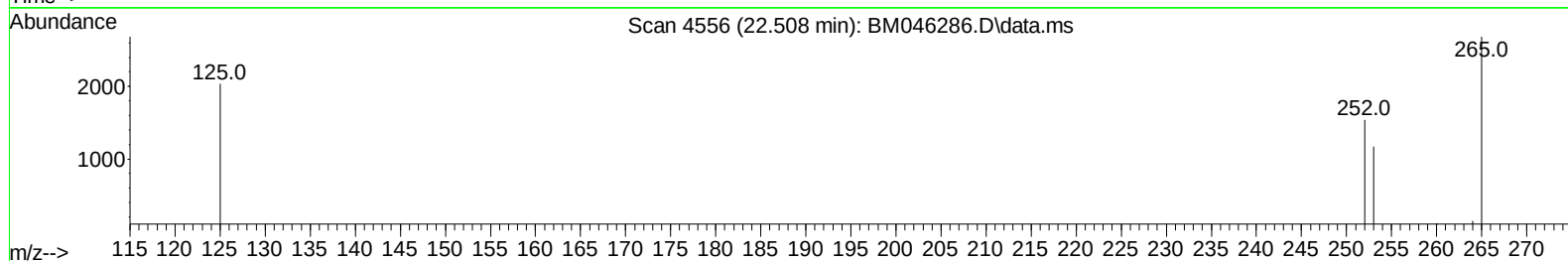
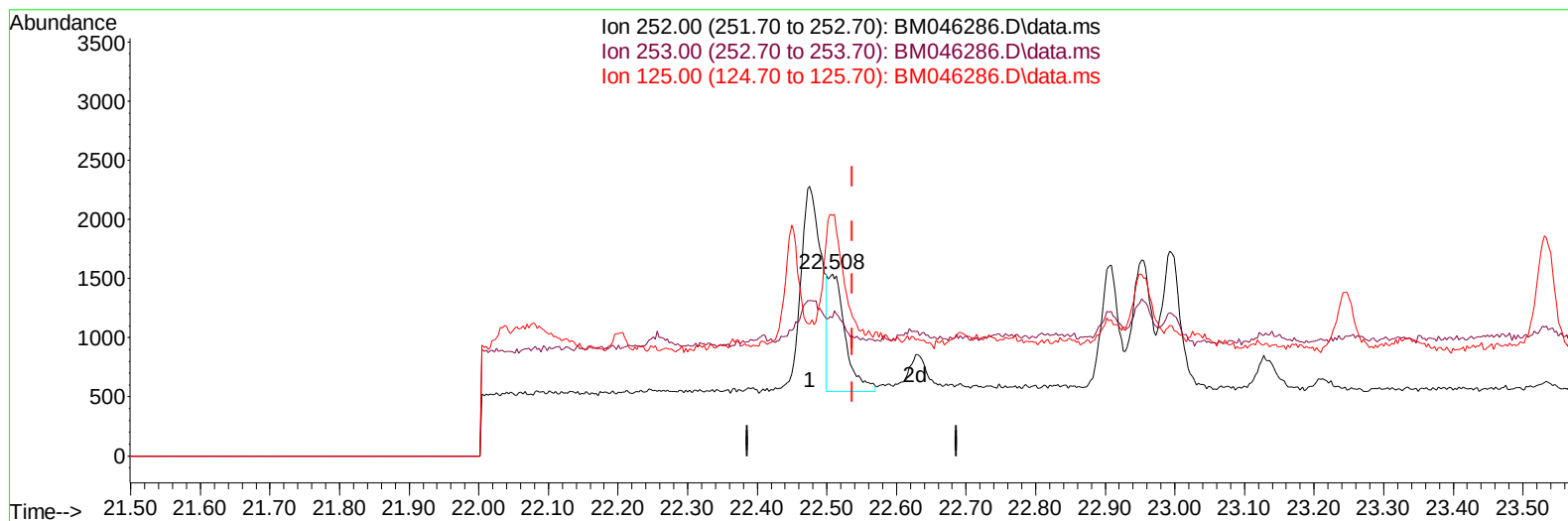
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046286.D
Acq On : 25 Jun 2024 11:41
Operator : MA/JU
Sample : P2844-25
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C50

Manual IntegrationsAPPROVED

Quant Time: Jun 25 12:49:19 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 : Tue Jun 25 08:04:59 2024
Response via : Initial Calibration

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



TIC: BM046286.D\data.ms

(25) Benzo(k)fluoranthene

22.508min (-0.029) 0.07 ng/ul m

response 1733

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	75.92#
125.00	20.80	131.99#
0.00	0.00	0.00

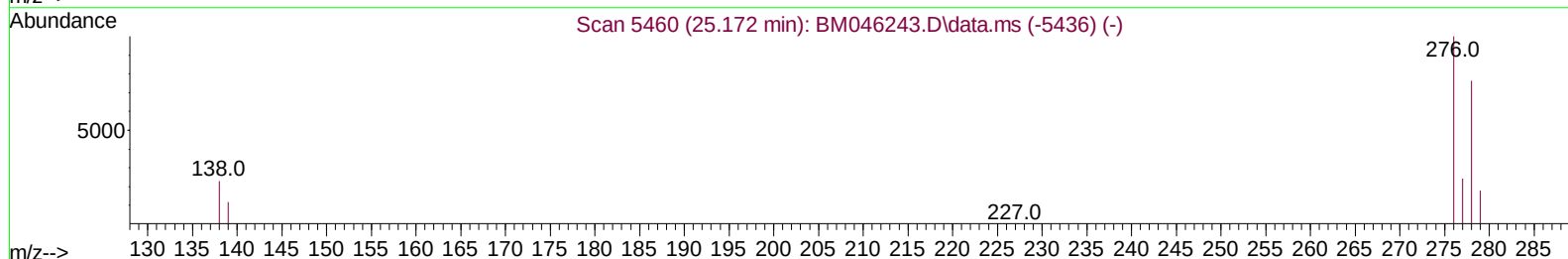
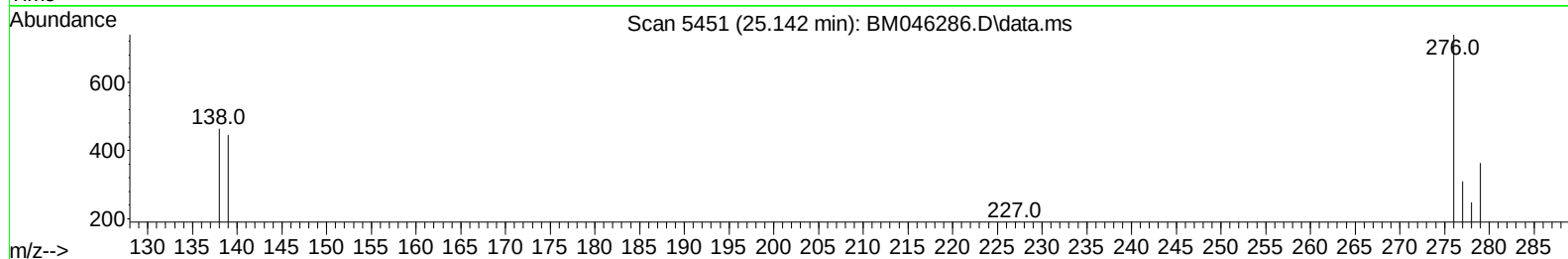
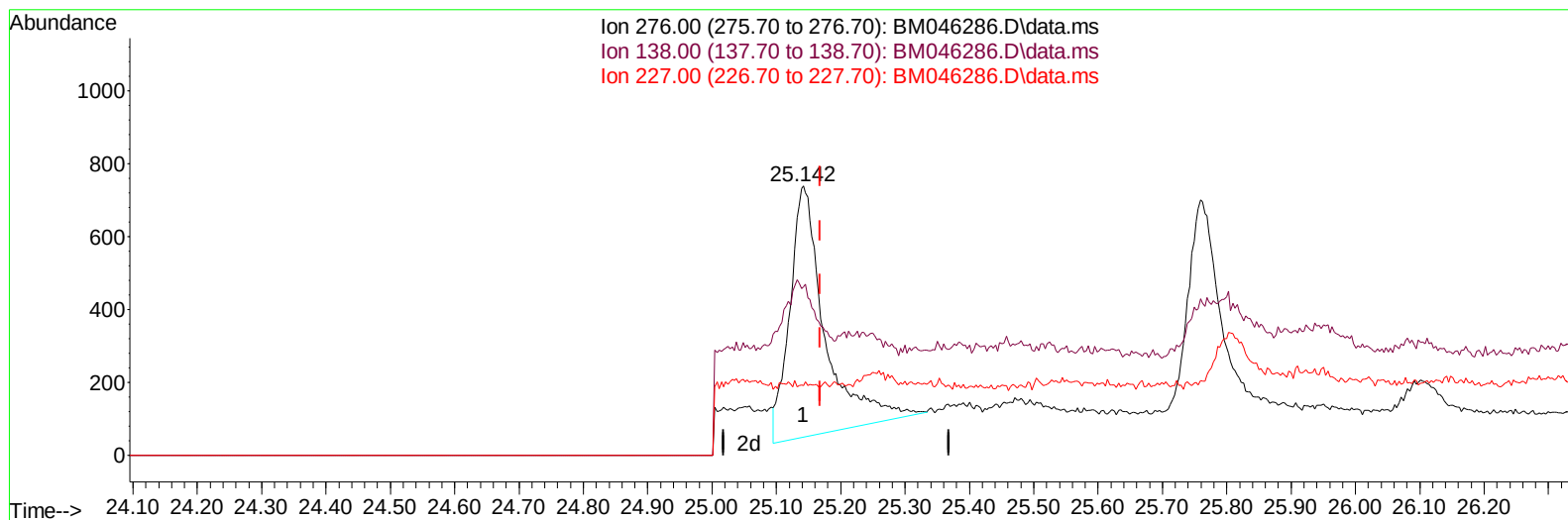
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TIC: BM046286.D\data.ms

(27) Indeno(1,2,3-cd)pyrene

25.142min (-0.026) 0.08 ng/u1

response 2623

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	26.20	250.71#
227.00	0.00	0.00
0.00	0.00	0.00

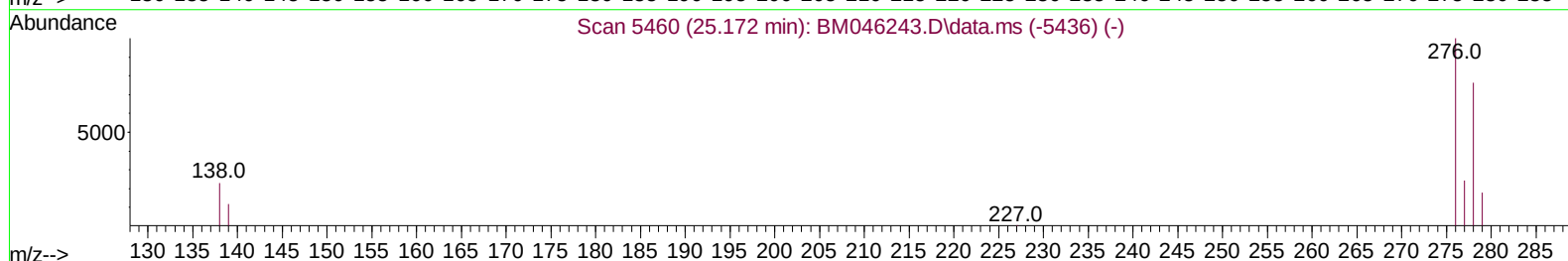
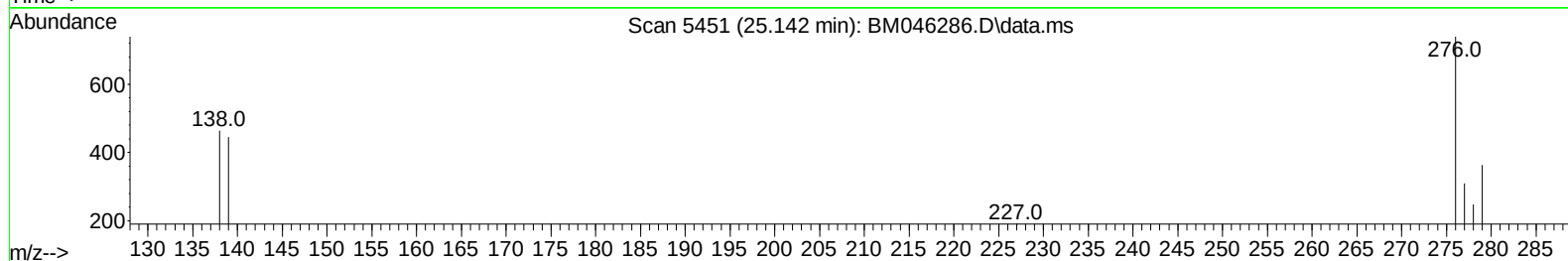
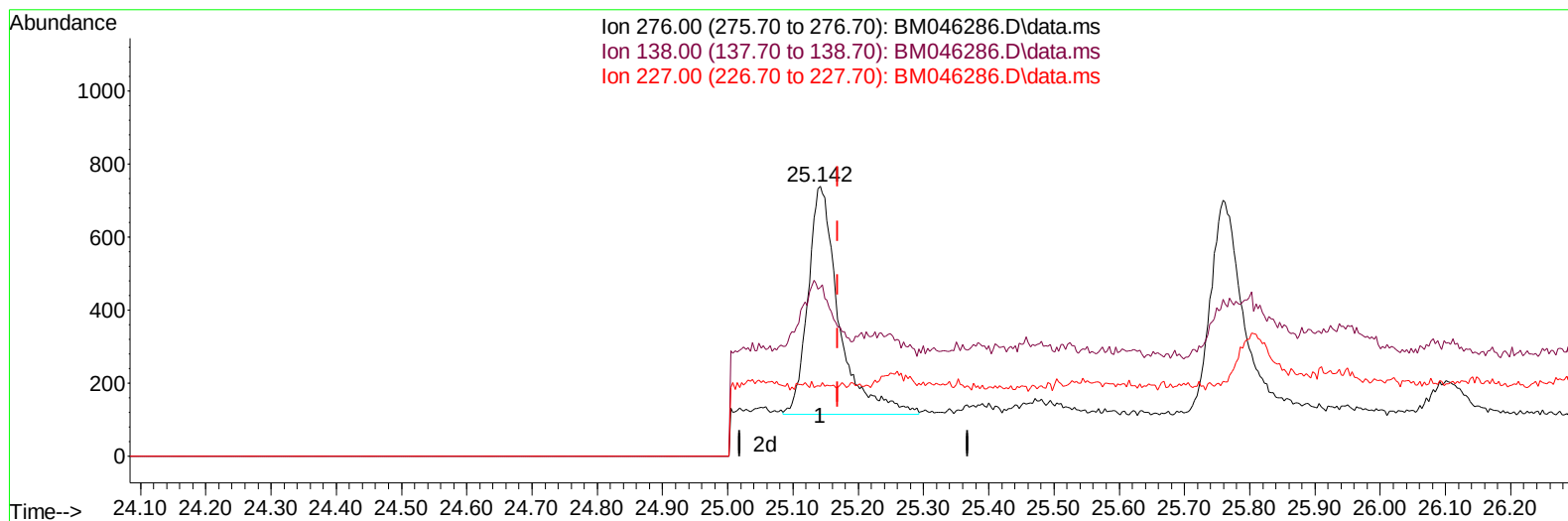
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046286.D
Acq On : 25 Jun 2024 11:41
Operator : MA/JU
Sample : P2844-25
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C50

Manual IntegrationsAPPROVED

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TIC: BM046286.D\data.ms

(27) Indeno(1,2,3-cd)pyrene

25.142min (-0.026) 0.06 ng/ul m

response 2066

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	26.20	318.30#
227.00	0.00	0.00
0.00	0.00	0.00

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 Operator : MA/JU
 Sample : P2844-25
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C50

Manual IntegrationsAPPROVED

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.396	152	2283	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.165	136	7089	0.400	ng/ul	-0.09
9) Acenaphthene-d10	14.043	164	3814	0.400	ng/ul	-0.05
13) Phenanthrene-d10	16.794	188	8214m	0.400	ng/ul	-0.06
17) Chrysene-d12	21.006	240	6142	0.400	ng/ul	-0.02
23) Perylene-d12	23.089	264	5991m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.021	96	11503	3.672	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.755	152	2884	0.303	ng/ul	-0.12
18) Fluoranthene-d10	18.829	212	5487	0.298	ng/ul	-0.04
Target Compounds						
					Qvalue	
10) Acenaphthylene	13.756	152	485	0.027	ng/ul#	33
15) Phenanthrene	16.832	178	1760m	0.076	ng/ul	
16) Anthracene	16.920	178	461m	0.027	ng/ul	
19) Fluoranthene	18.861	202	4714	0.177	ng/ul#	95
20) Pyrene	19.219	202	4204m	0.146	ng/ul	
21) Benzo(a)anthracene	20.991	228	2263	0.095	ng/ul#	82
22) Chrysene	21.041	228	2169	0.072	ng/ul#	89
24) Benzo(b)fluoranthene	22.476	252	3575m	0.166	ng/ul	
25) Benzo(k)fluoranthene	22.508	252	1733m	0.068	ng/ul	
26) Benzo(a)pyrene	22.993	252	2180	0.109	ng/ul#	42
27) Indeno(1,2,3-cd)pyrene	25.142	276	2066m	0.063	ng/ul	
28) Dibenzo(a,h)anthracene	25.142	278	515	0.021	ng/ul#	1
29) Benzo(g,h,i)perylene	25.759	276	2066	0.074	ng/ul#	49

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

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