

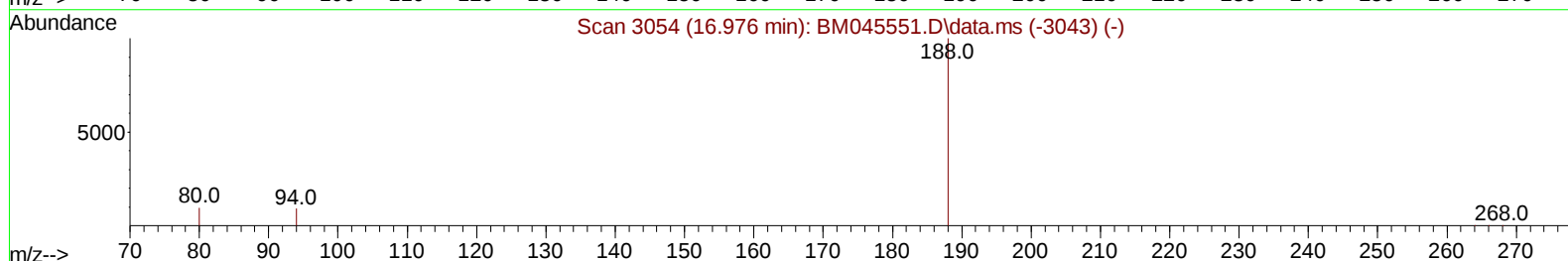
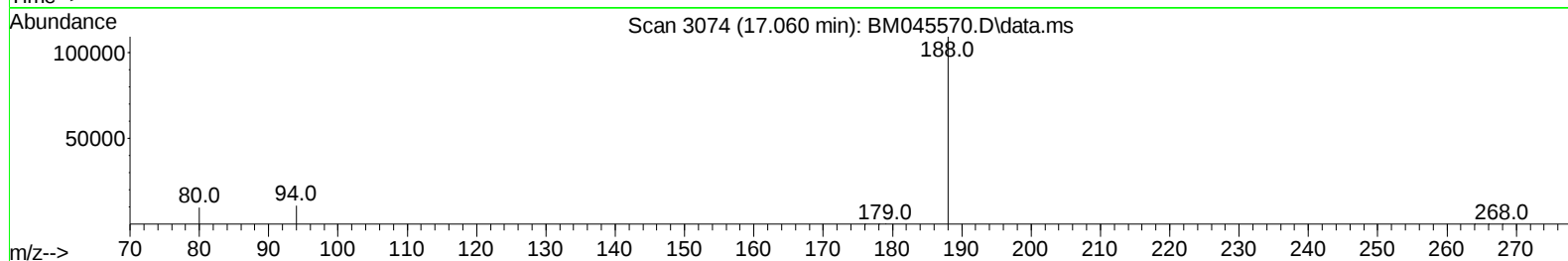
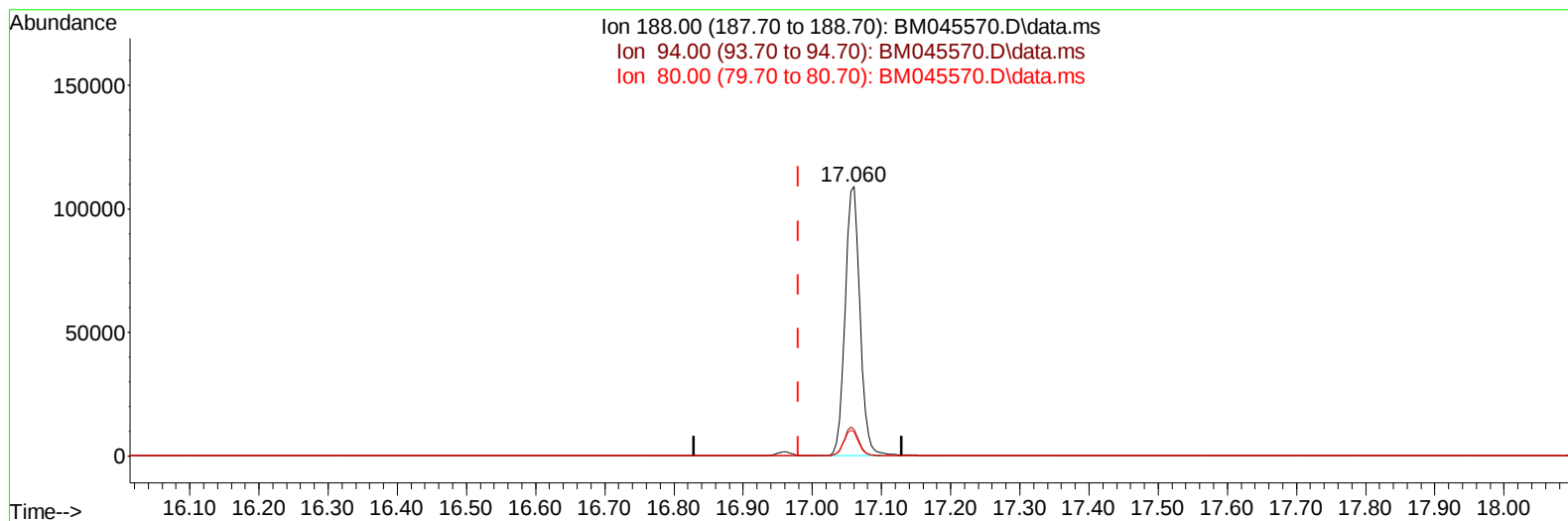
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042524\
Data File : BM045570.D
Acq On : 25 Apr 2024 19:42
Operator : MA/JU
Sample : P2037-19
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E1CY5

Manual IntegrationsAPPROVED

Quant Time: Apr 25 22:59:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 24 05:17:39 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



TIC: BM045570.D\data.ms

(13) Phenanthrene-d10 (I)

17.060min (+ 0.080) 0.40 ng/u1

response 161903

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	14.80	9.89#
80.00	14.80	8.89#
0.00	0.00	0.00

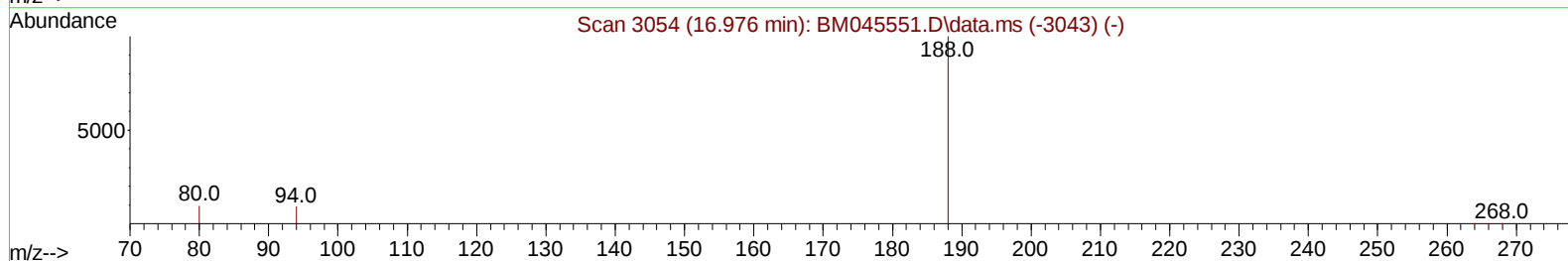
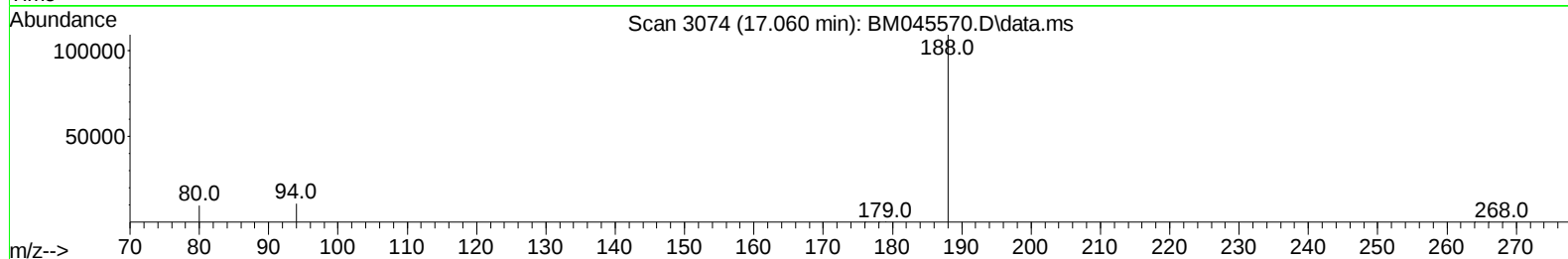
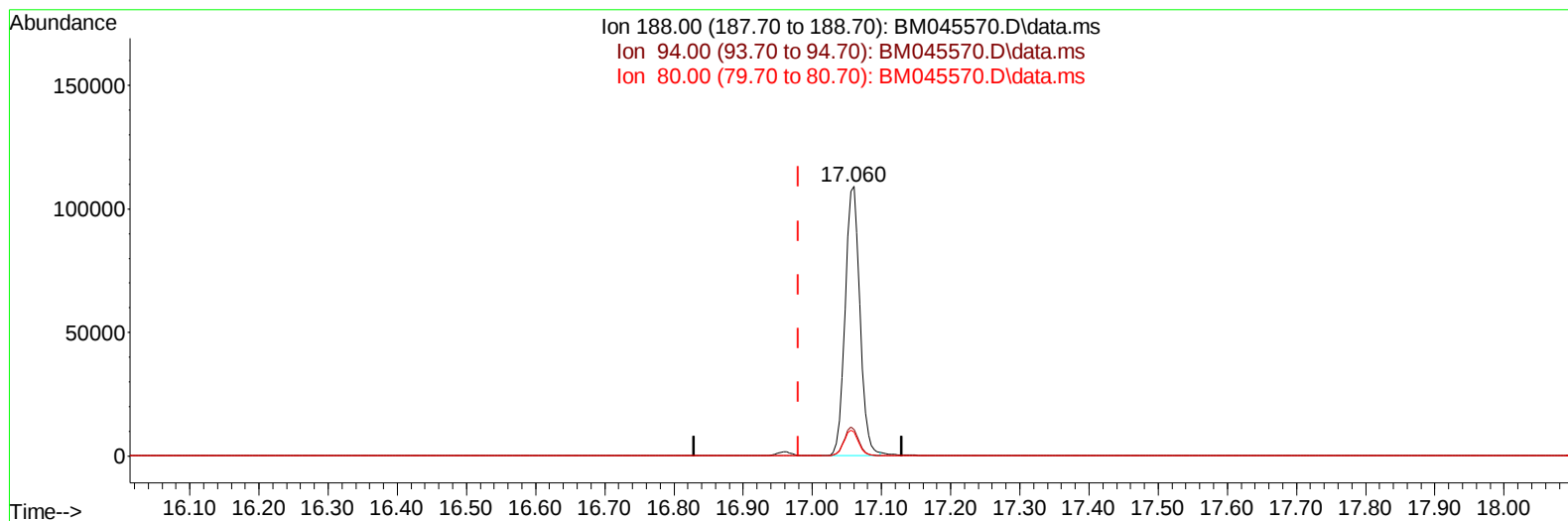
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042524\
Data File : BM045570.D
Acq On : 25 Apr 2024 19:42
Operator : MA/JU
Sample : P2037-19
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E1CY5

Manual IntegrationsAPPROVED

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TIC: BM045570.D\data.ms

(13) Phenanthrene-d10 (I)

17.060min (+ 0.080) 0.40 ng/u1

response 161903

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	14.80	9.89#
80.00	14.80	8.89#
0.00	0.00	0.00

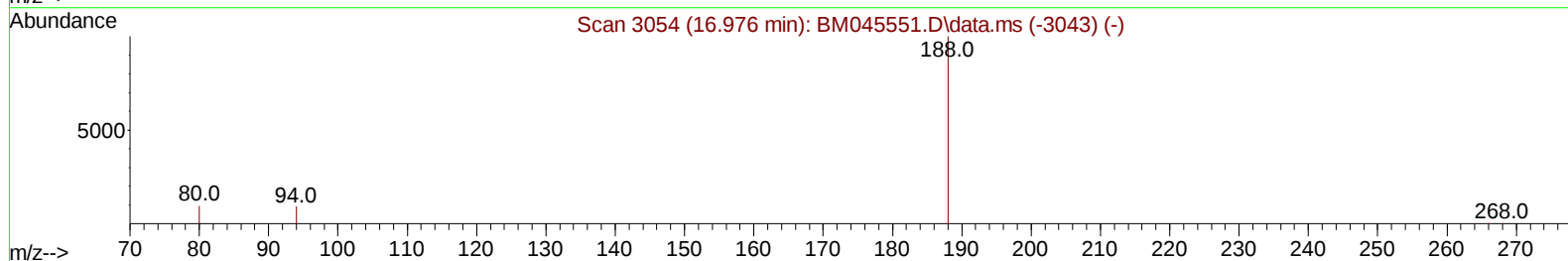
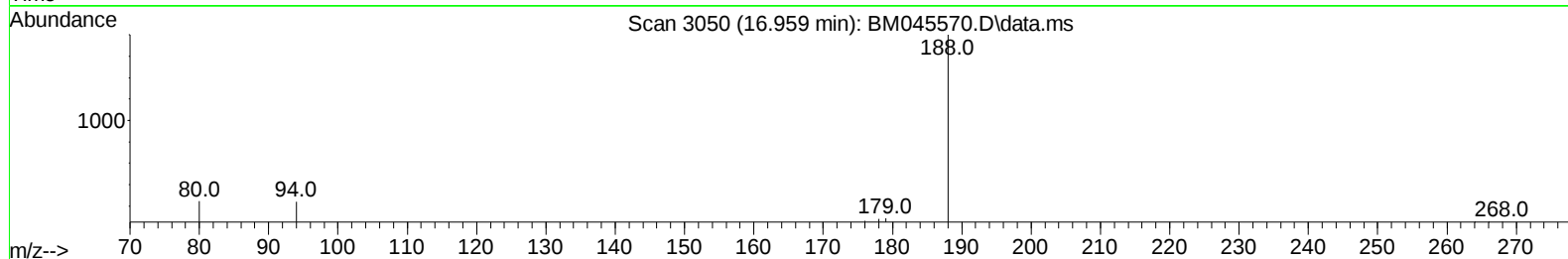
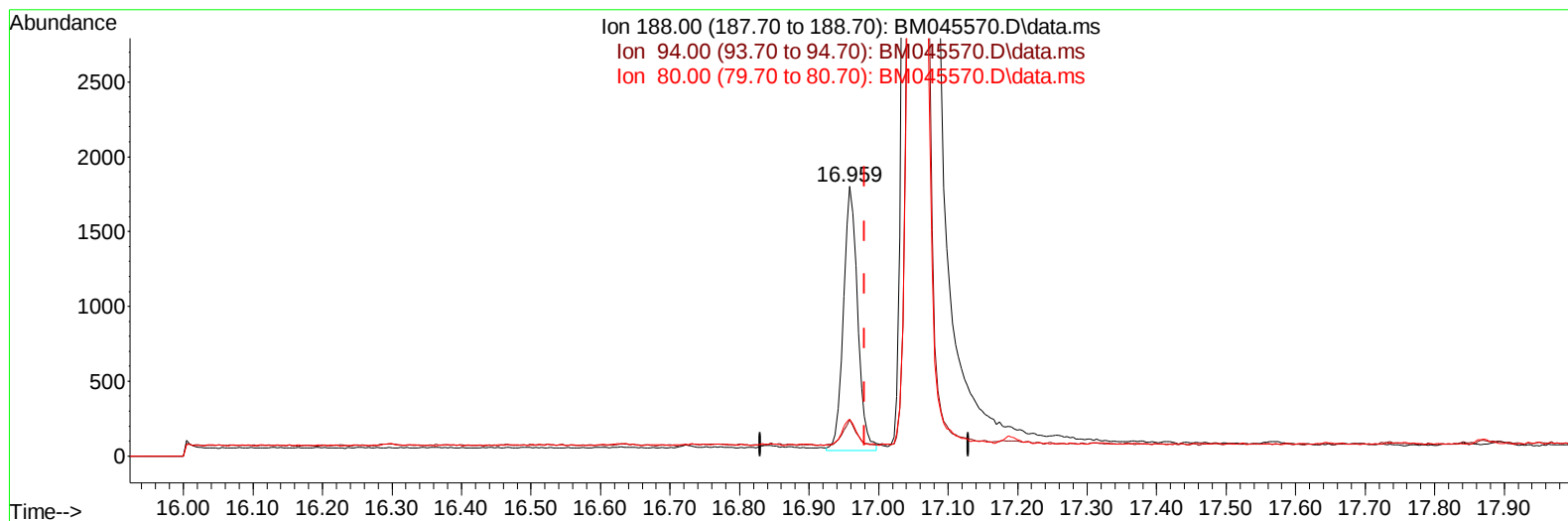
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042524\
Data File : BM045570.D
Acq On : 25 Apr 2024 19:42
Operator : MA/JU
Sample : P2037-19
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E1CY5

Manual IntegrationsAPPROVED

Quant Time: Apr 25 22:59:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 24 05:17:39 2024
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TIC: BM045570.D\data.ms

(13) Phenanthrene-d10 (I)

16.959min (-0.021) 0.40 ng/ul m

response 2506

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	14.80	13.49
80.00	14.80	13.55
0.00	0.00	0.00

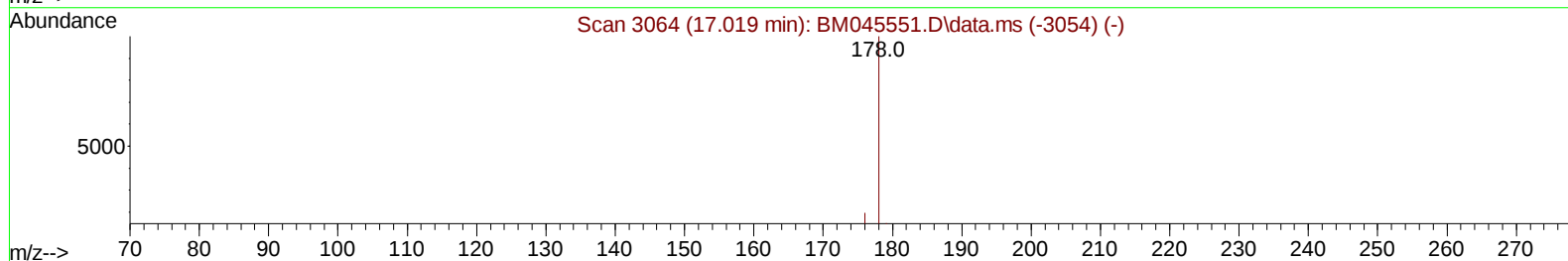
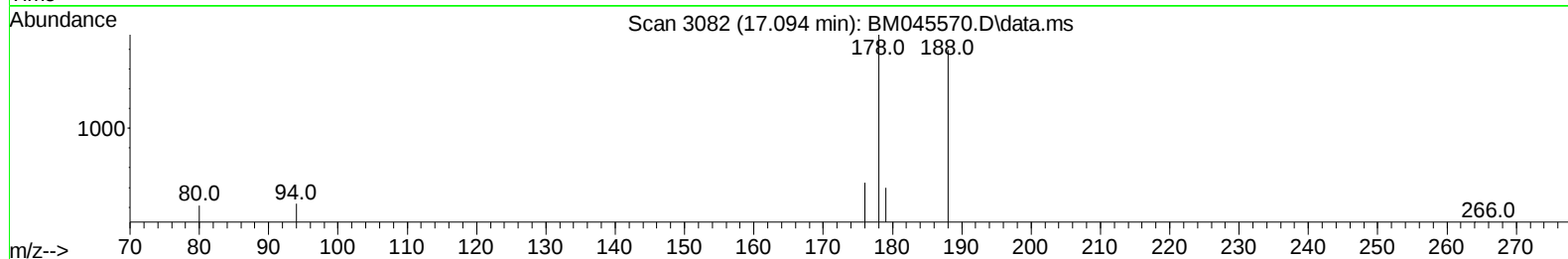
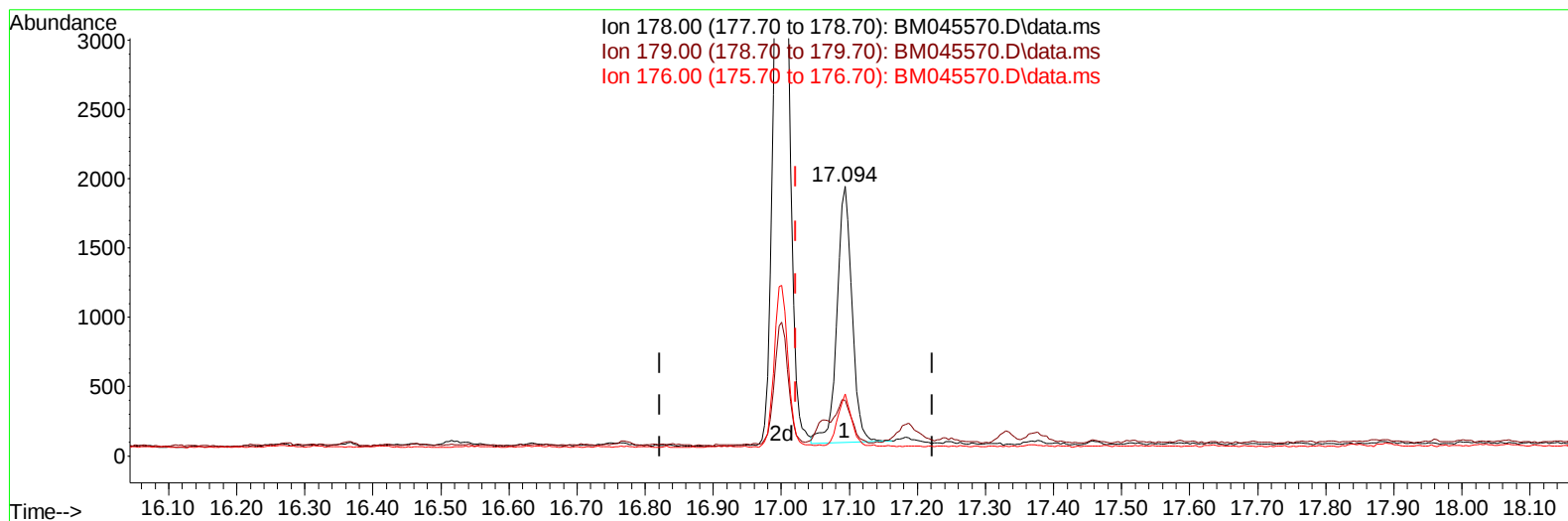
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042524\
Data File : BM045570.D
Acq On : 25 Apr 2024 19:42
Operator : MA/JU
Sample : P2037-19
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E1CY5

Manual IntegrationsAPPROVED

Quant Time: Apr 25 22:59:46 2024
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Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



TIC: BM045570.D\data.ms

(15) Phenanthrene

17.094min (+ 0.072) 0.39 ng/u1

response 2833

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	19.30	20.57
176.00	23.70	22.98
0.00	0.00	0.00

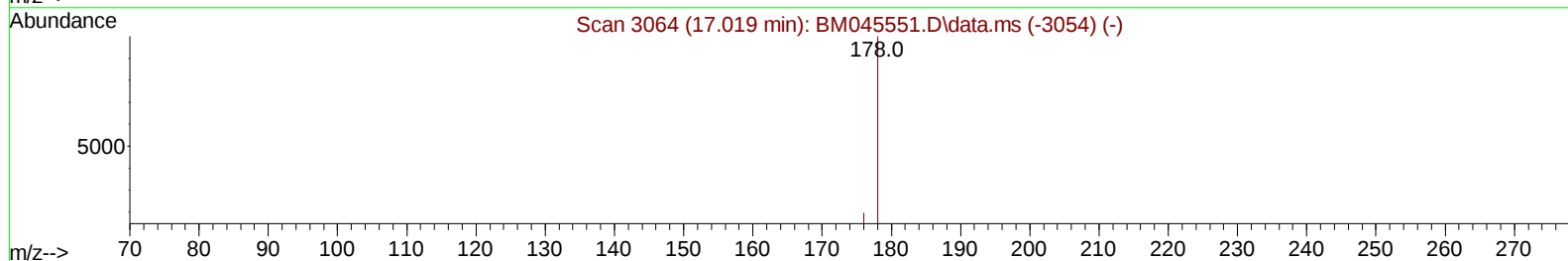
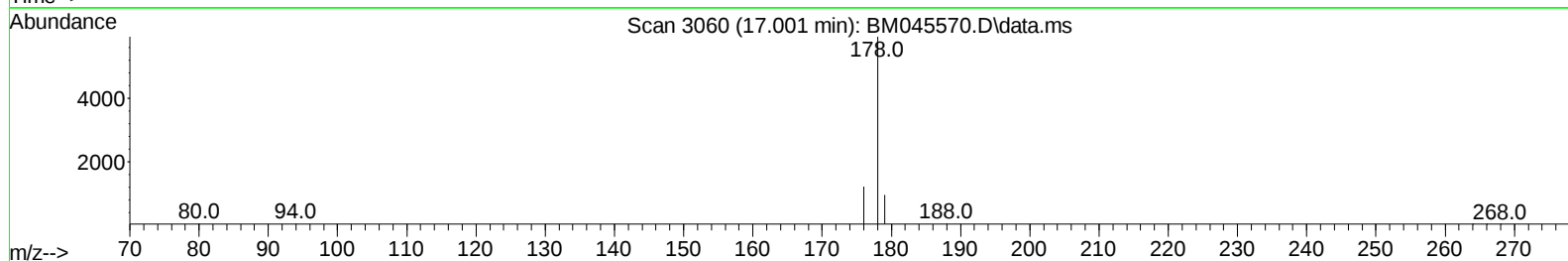
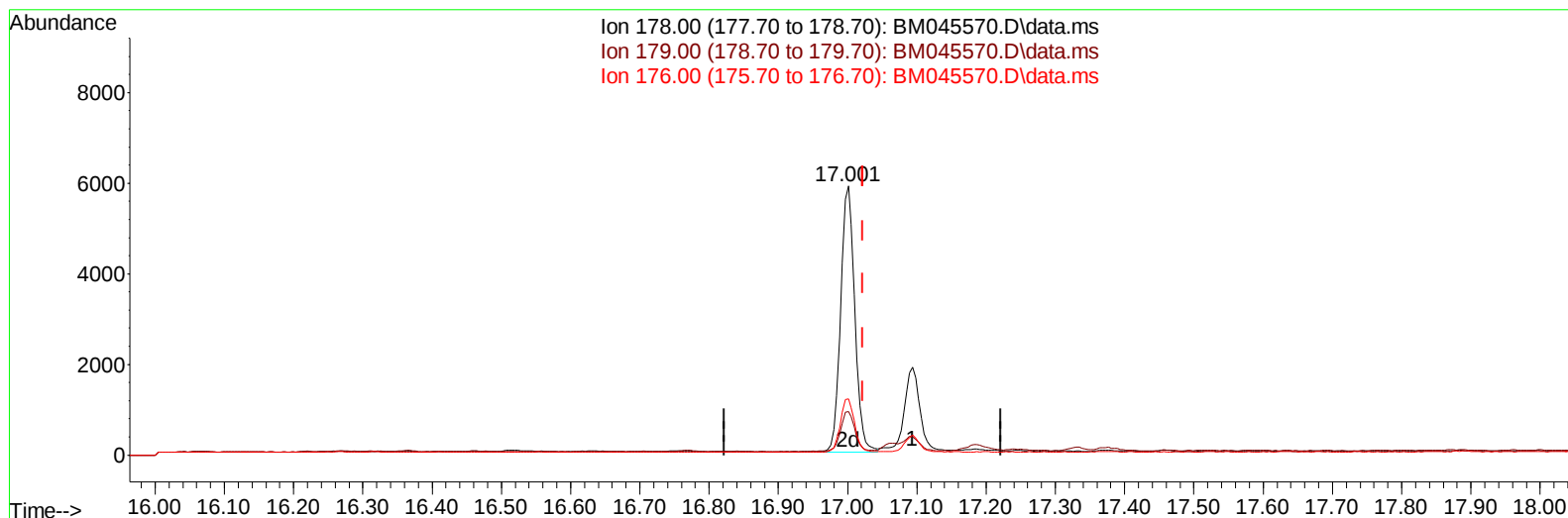
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042524\
Data File : BM045570.D
Acq On : 25 Apr 2024 19:42
Operator : MA/JU
Sample : P2037-19
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E1CY5

Manual IntegrationsAPPROVED

Quant Time: Apr 25 22:59:46 2024
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TIC: BM045570.D\data.ms

(15) Phenanthrene

17.001min (-0.021) 1.14 ng/ul m

response 8329

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	19.30	16.27
176.00	23.70	20.77
0.00	0.00	0.00

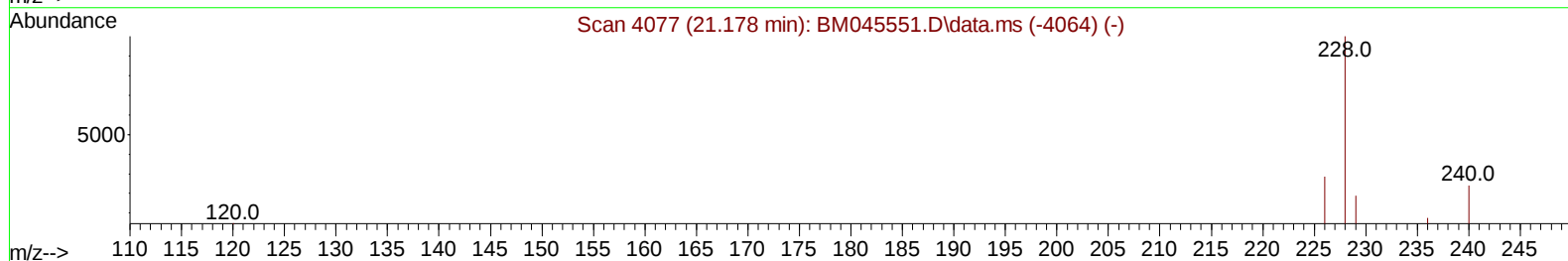
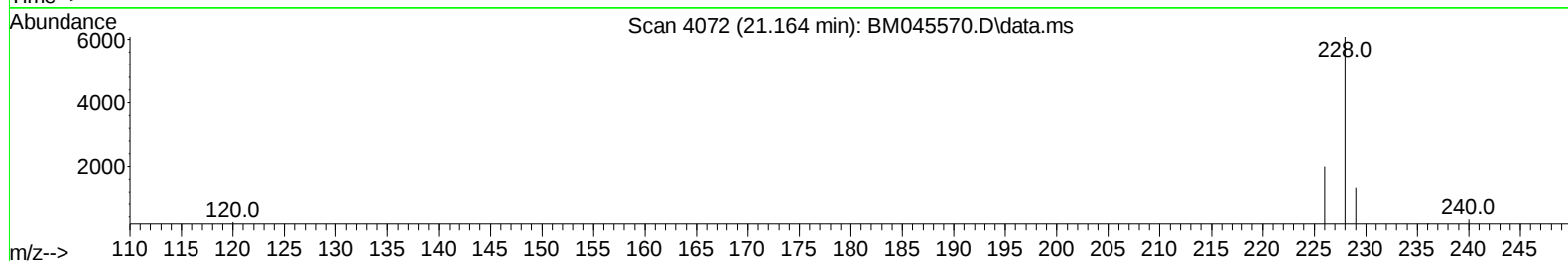
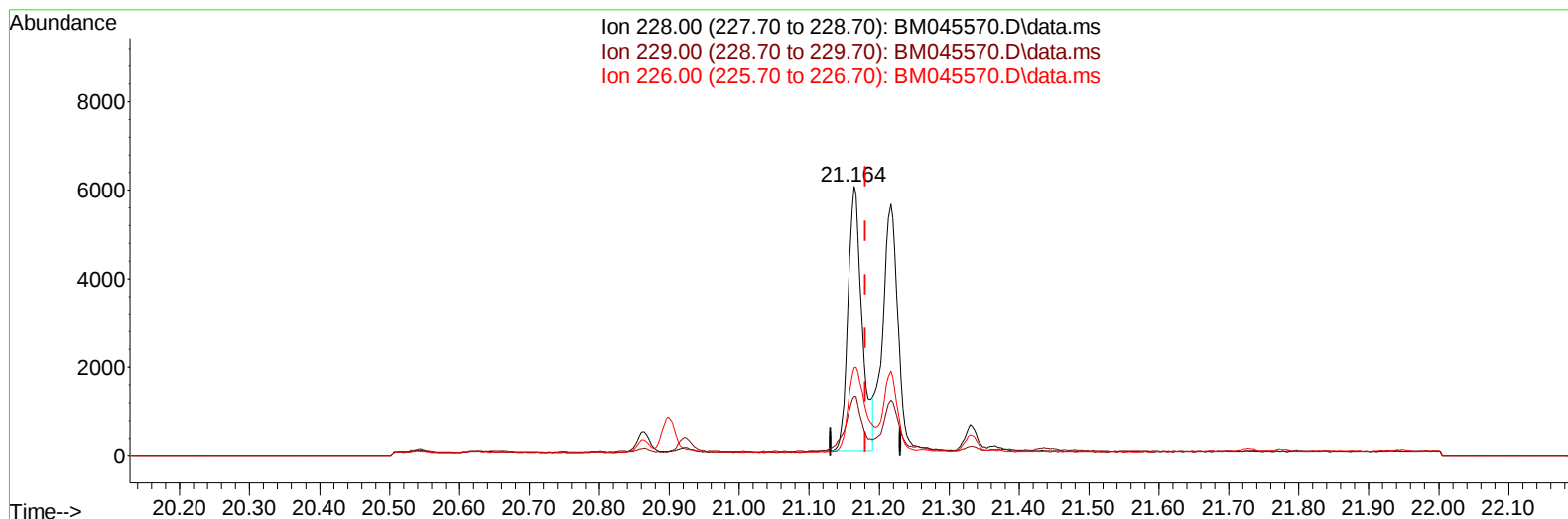
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042524\
Data File : BM045570.D
Acq On : 25 Apr 2024 19:42
Operator : MA/JU
Sample : P2037-19
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E1CY5

Manual IntegrationsAPPROVED

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TIC: BM045570.D\data.ms

(21) Benzo(a)anthracene

21.164min (-0.017) 1.27 ng/u1

response 8262

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	24.30	22.04
226.00	32.90	32.75
0.00	0.00	0.00

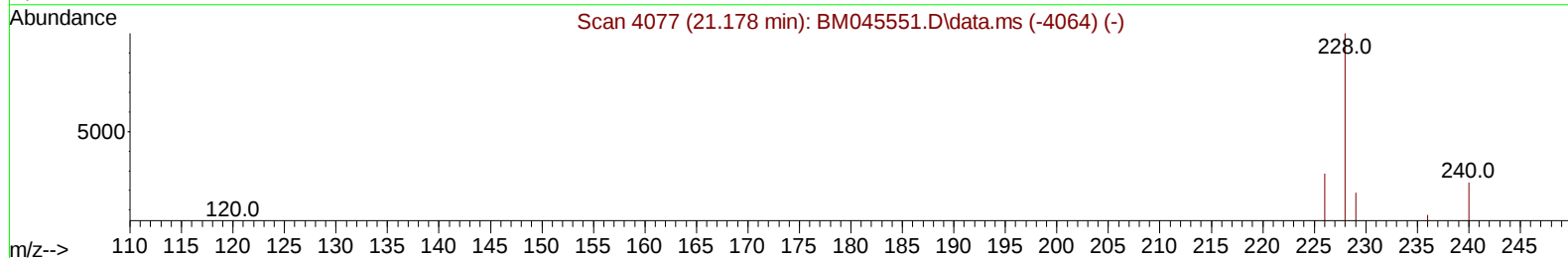
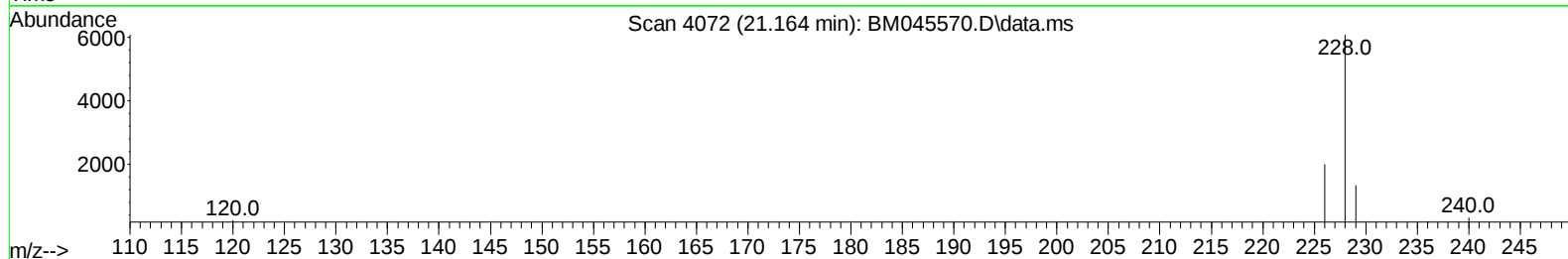
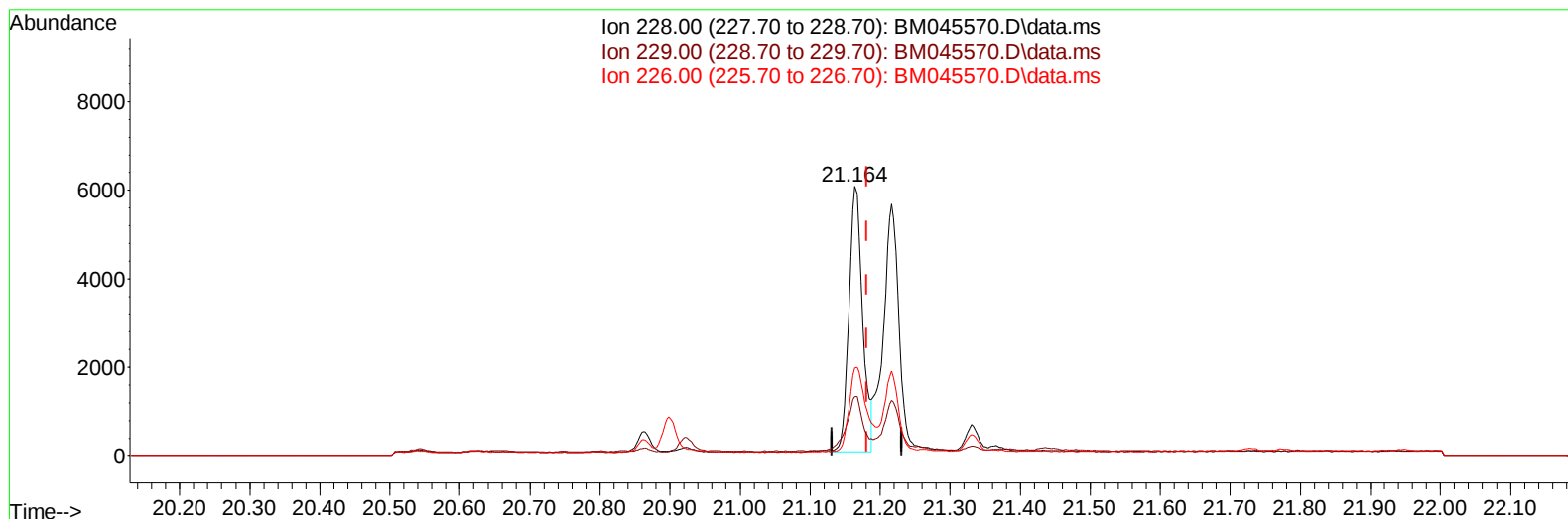
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042524\
Data File : BM045570.D
Acq On : 25 Apr 2024 19:42
Operator : MA/JU
Sample : P2037-19
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E1CY5

Manual IntegrationsAPPROVED

Quant Time: Apr 25 22:59:46 2024
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Reviewed By :Yogesh Patel 04/26/2024
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TIC: BM045570.D\data.ms

(21) Benzo(a)anthracene

21.164min (-0.017) 1.25 ng/u1 m

response 8138

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	24.30	22.04
226.00	32.90	32.75
0.00	0.00	0.00

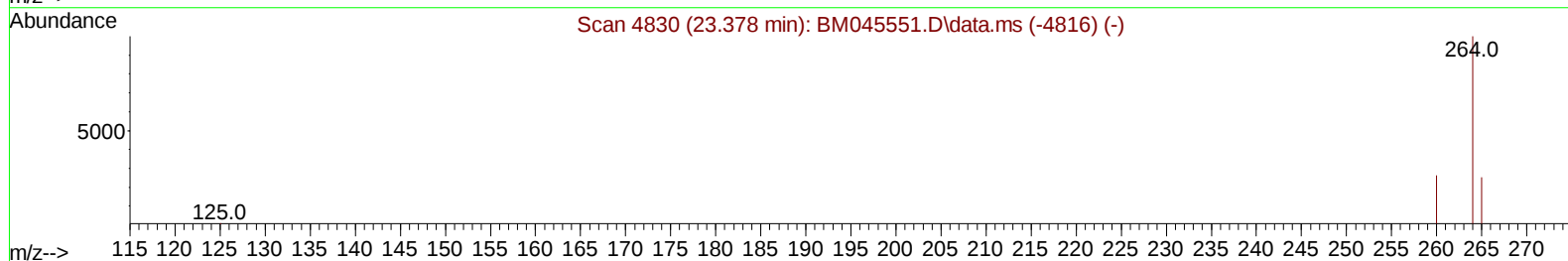
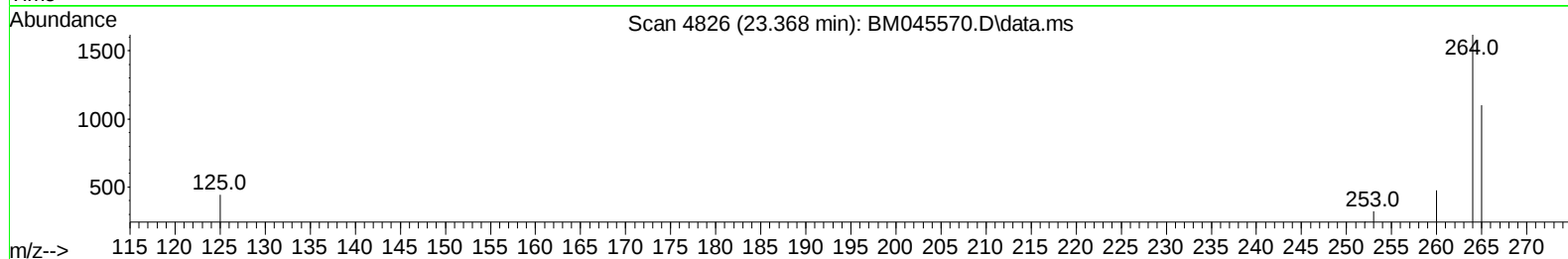
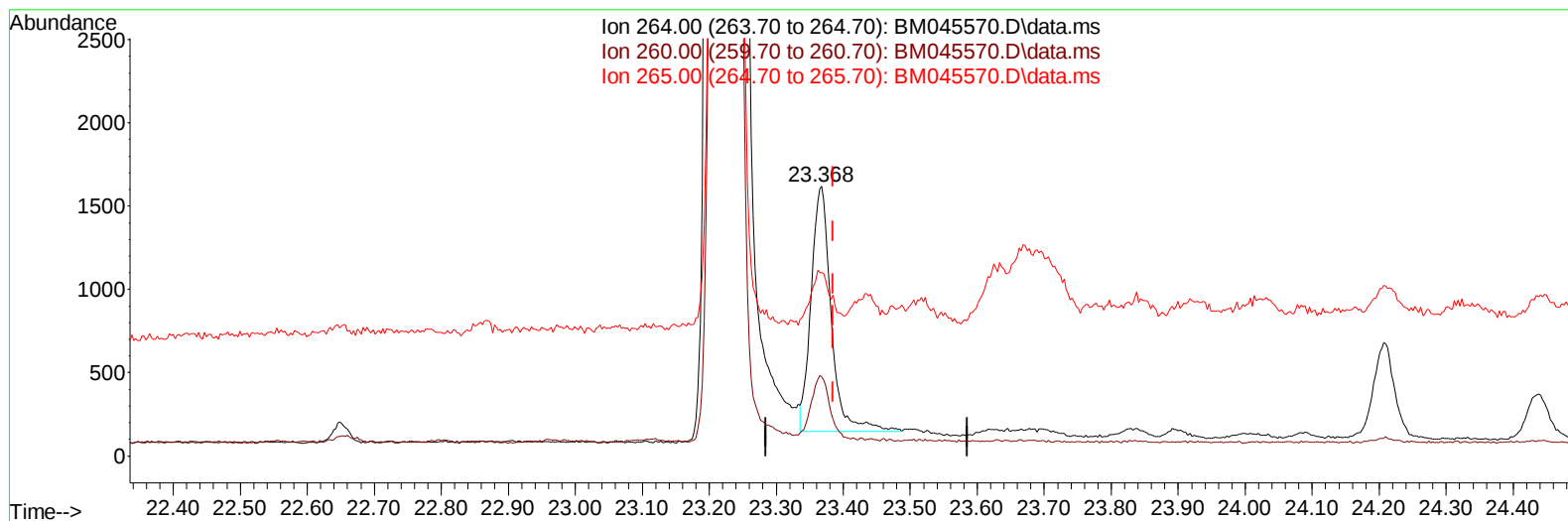
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Data File : BM045570.D
Acq On : 25 Apr 2024 19:42
Operator : MA/JU
Sample : P2037-19
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E1CY5

Manual IntegrationsAPPROVED

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TIC: BM045570.D\data.ms

(23) Perylene-d12 (I)

23.368min (-0.017) 0.40 ng/u1

response 3076

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	30.50	29.30
265.00	86.70	68.11#
0.00	0.00	0.00

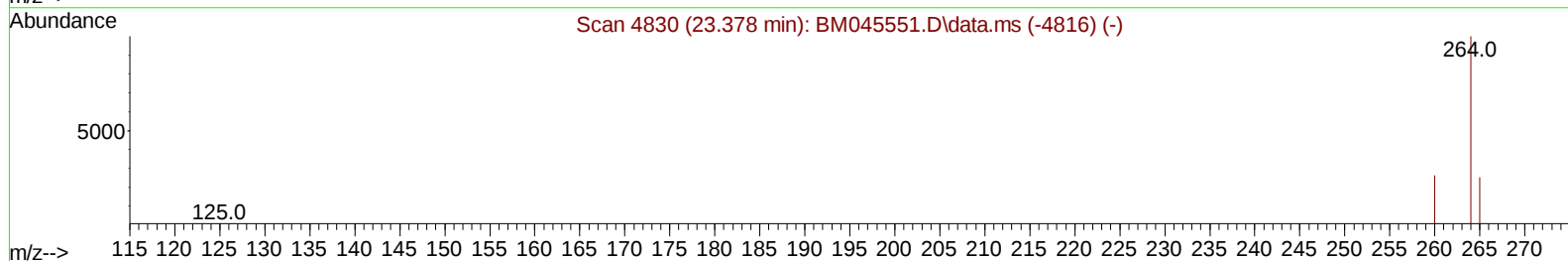
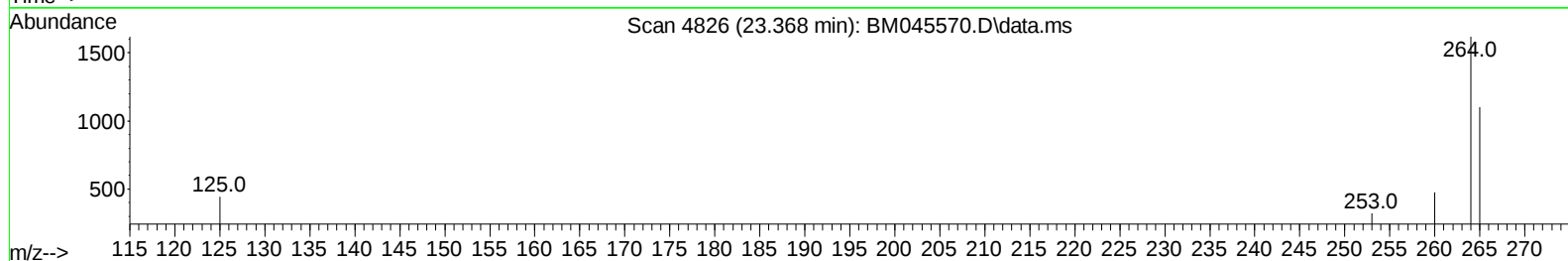
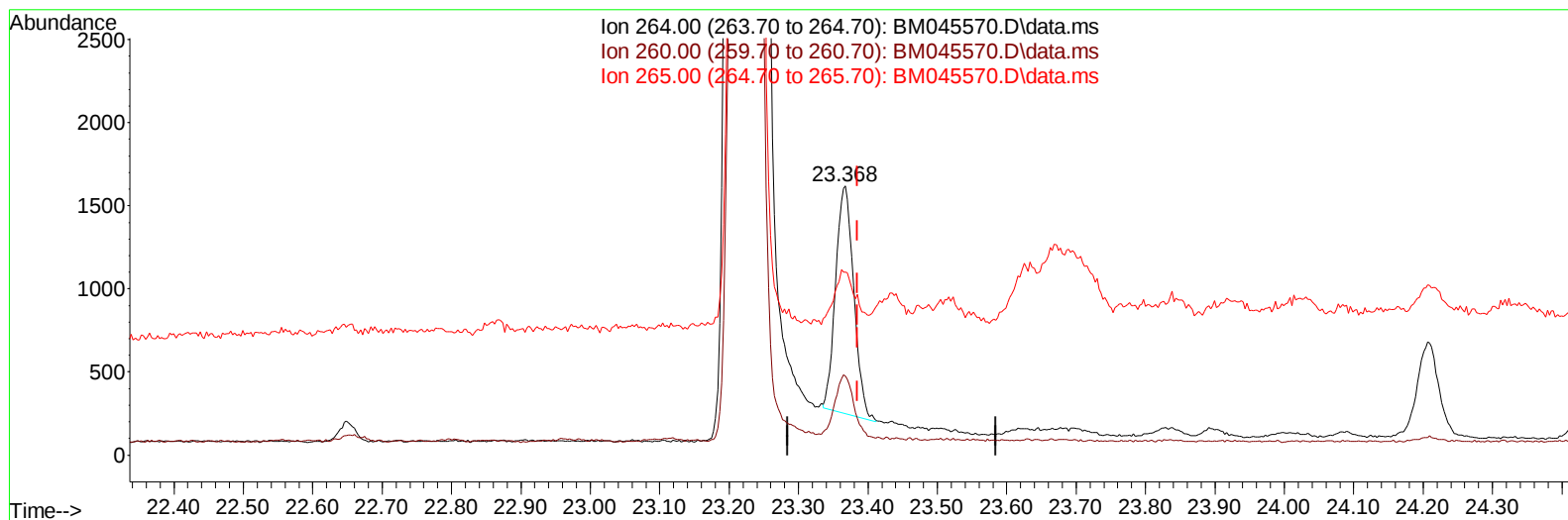
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042524\
 Data File : BM045570.D
 Acq On : 25 Apr 2024 19:42
 Operator : MA/JU
 Sample : P2037-19
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E1CY5

Manual IntegrationsAPPROVED

Quant Time: Apr 25 22:59:46 2024
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 Supervised By :mohammad ahmed 04/27/2024



TIC: BM045570.D\data.ms

(23) Perylene-d12 (I)

23.368min (-0.017) 0.40 ng/ul m

response 2483

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	30.50	29.30
265.00	86.70	68.11#
0.00	0.00	0.00

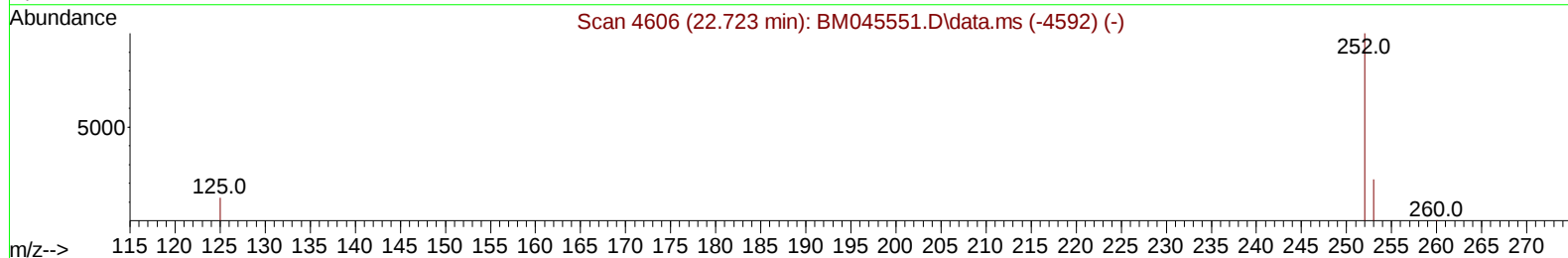
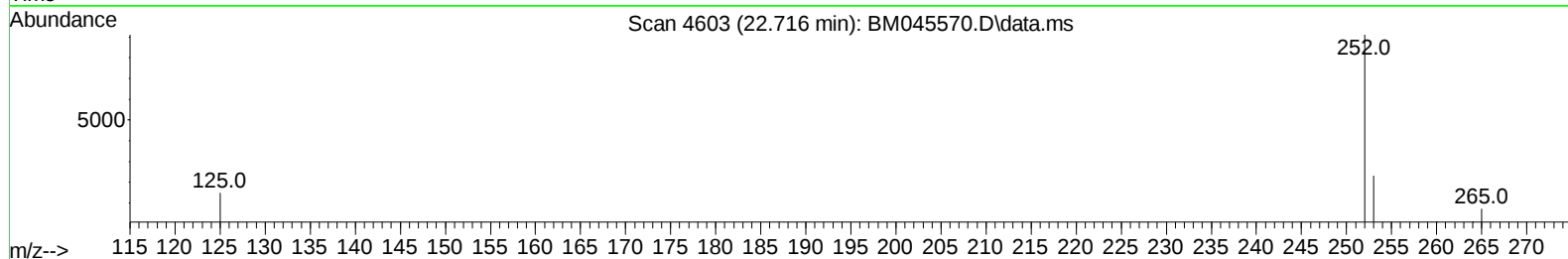
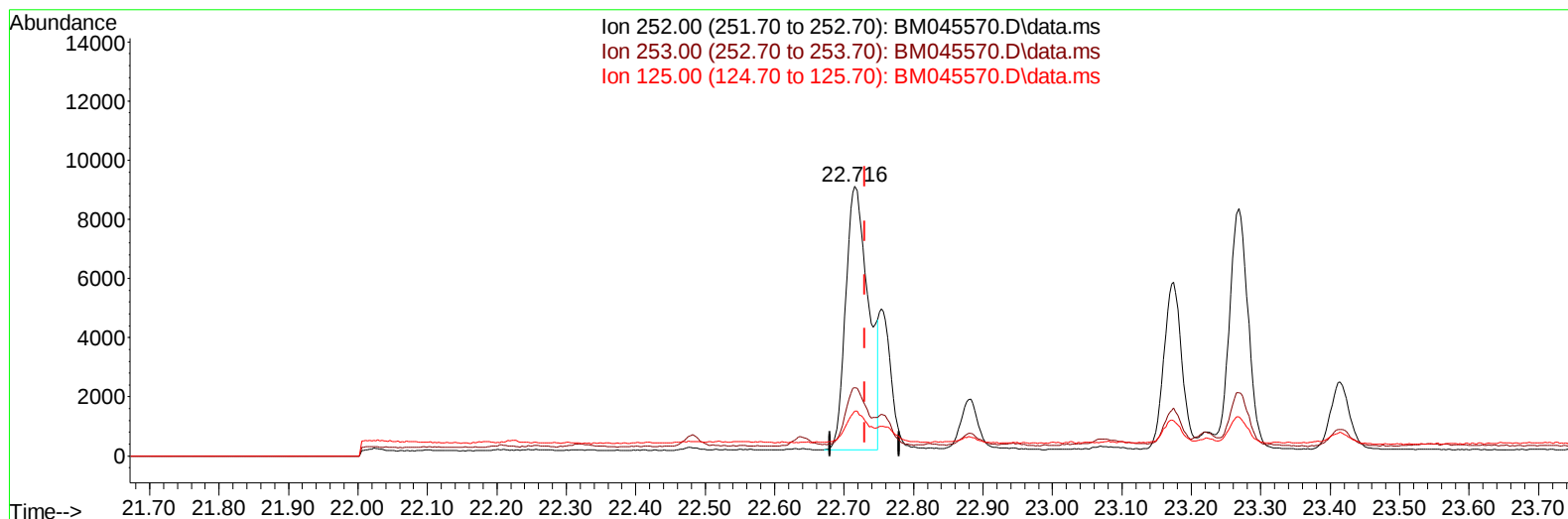
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Data File : BM045570.D
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Sample : P2037-19
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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TIC: BM045570.D\data.ms

(24) Benzo(b)fluoranthene

22.716min (-0.014) 2.42 ng/u1

response 20251

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.70	25.28
125.00	18.40	16.53
0.00	0.00	0.00

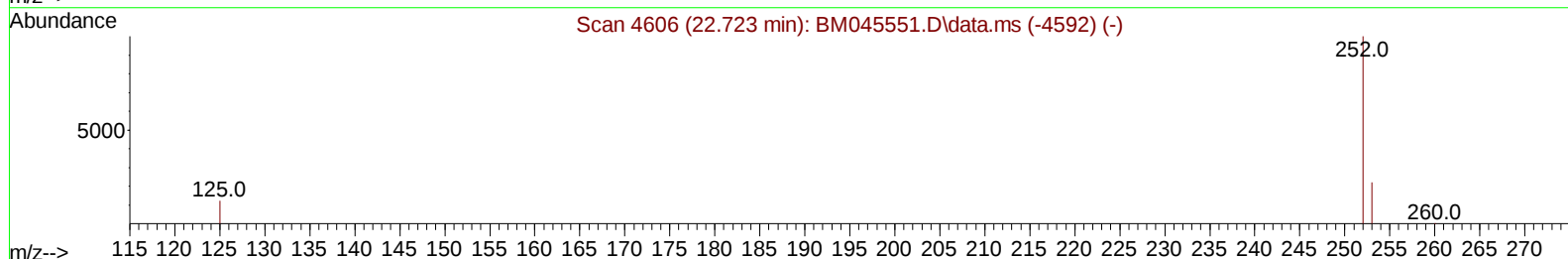
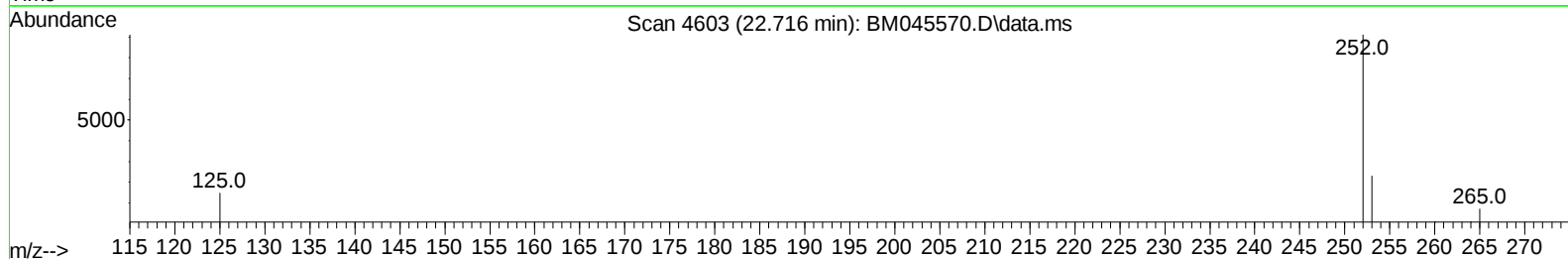
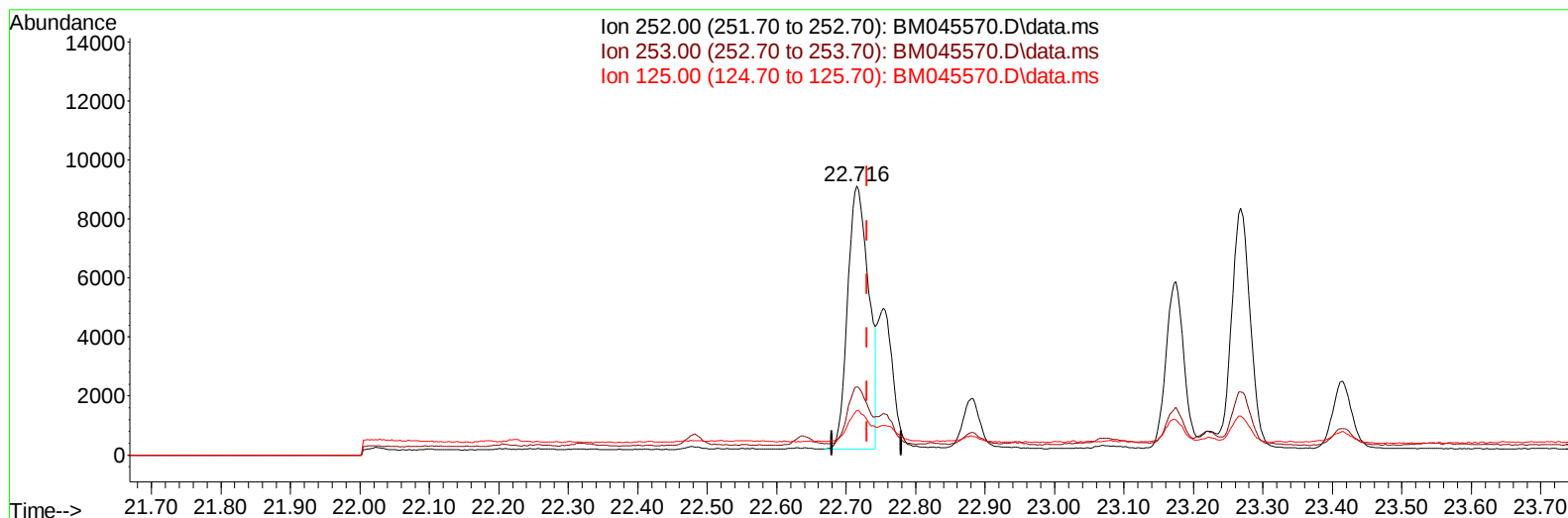
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042524\
Data File : BM045570.D
Acq On : 25 Apr 2024 19:42
Operator : MA/JU
Sample : P2037-19
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E1CY5

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 04/27/2024



TIC: BM045570.D\data.ms

(24) Benzo(b)fluoranthene

22.716min (-0.014) 2.25 ng/u1 m

response 18774

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.70	25.28
125.00	18.40	16.53
0.00	0.00	0.00

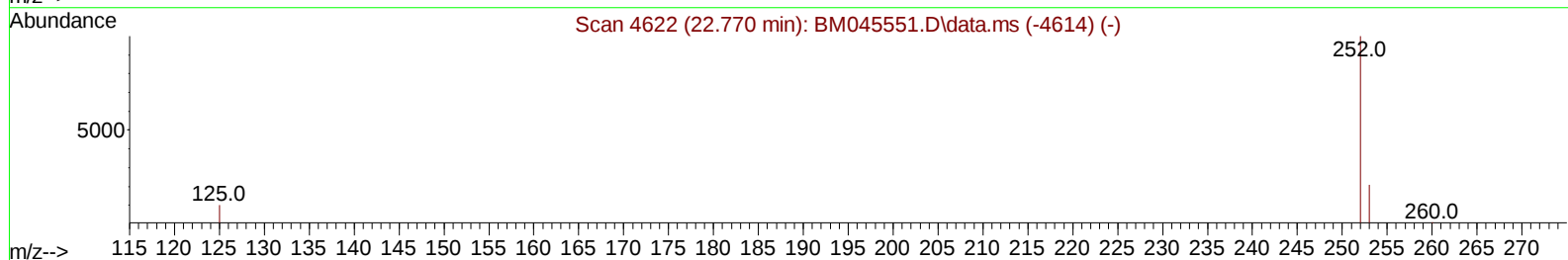
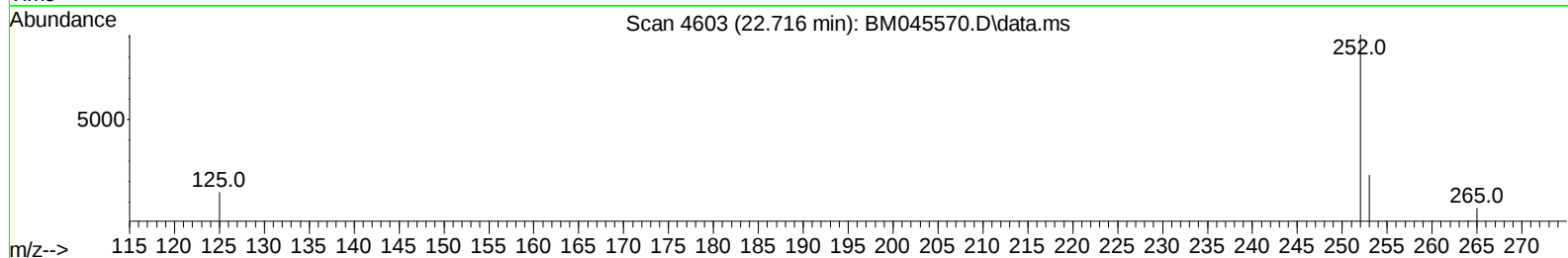
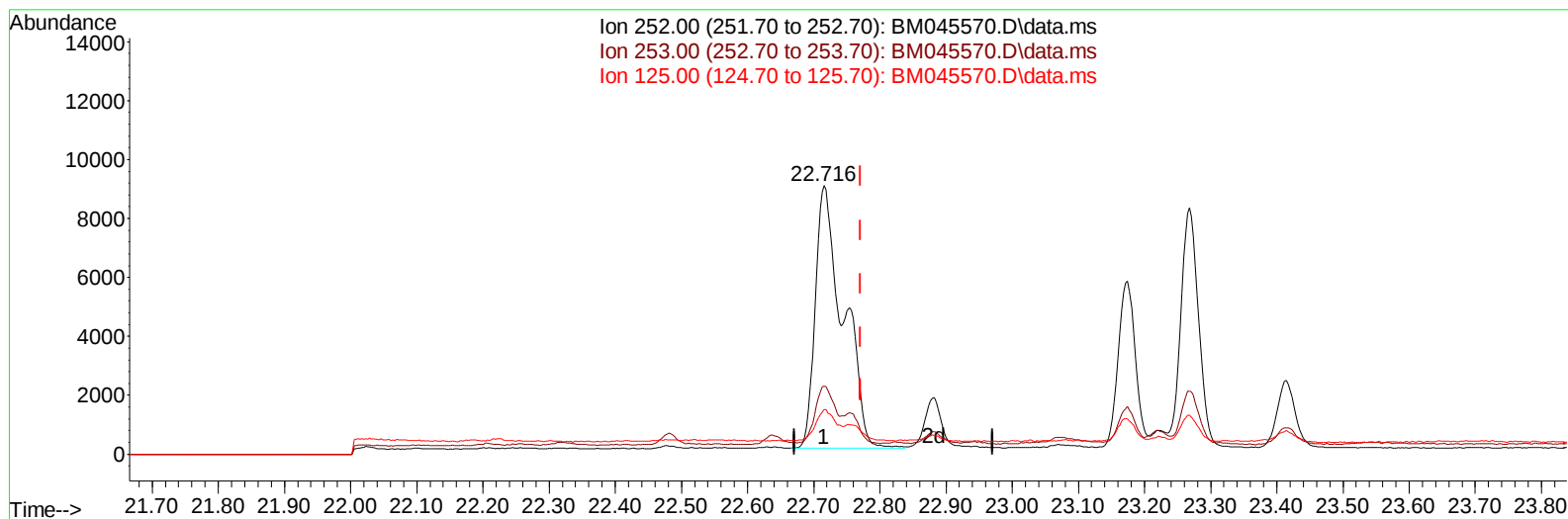
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042524\
Data File : BM045570.D
Acq On : 25 Apr 2024 19:42
Operator : MA/JU
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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



TIC: BM045570.D\data.ms

(25) Benzo(k)fluoranthene

22.716min (-0.055) 2.49 ng/u1

response 26282

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.70	25.28#
125.00	18.50	16.53
0.00	0.00	0.00

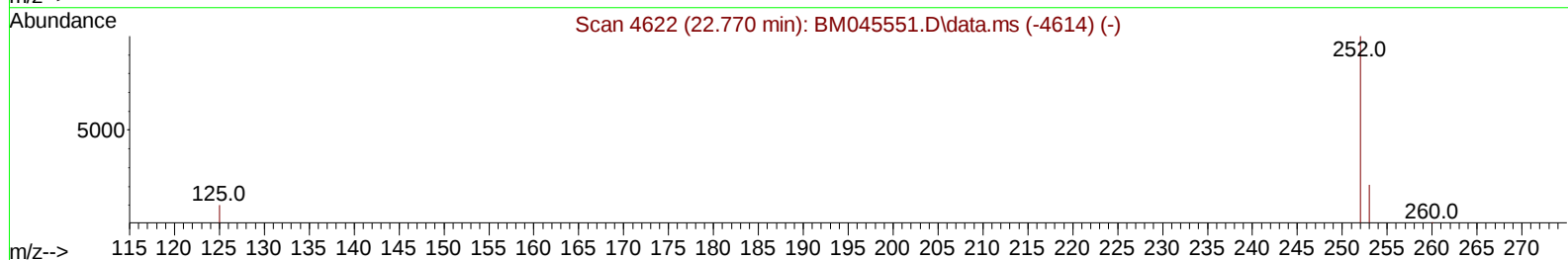
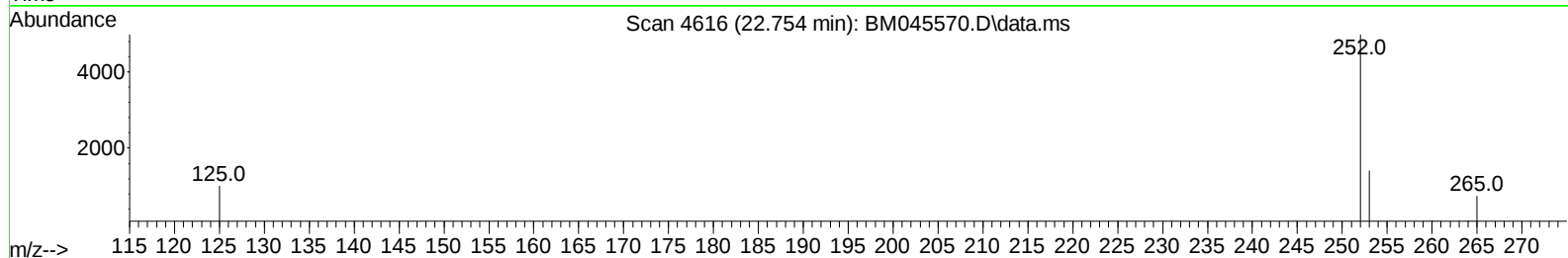
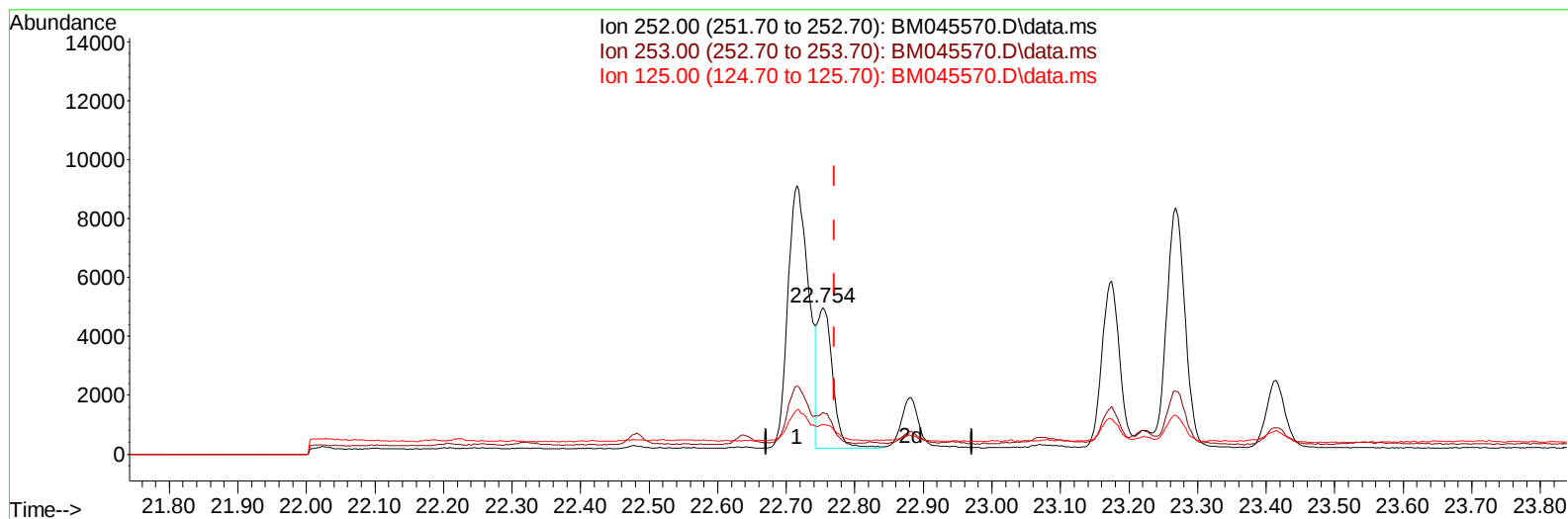
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042524\
Data File : BM045570.D
Acq On : 25 Apr 2024 19:42
Operator : MA/JU
Sample : P2037-19
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E1CY5

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TIC: BM045570.D\data.ms

(25) Benzo(k)fluoranthene

22.754min (-0.017) 0.71 ng/ul m

response 7509

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.70	28.19
125.00	18.50	20.25
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042524\
 Data File : BM045570.D
 Acq On : 25 Apr 2024 19:42
 Operator : MA/JU
 Sample : P2037-19
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E1CY5

Manual IntegrationsAPPROVED

Quant Time: Apr 25 22:59:46 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM042024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:17:39 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024

Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.547	152		902	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.309	136		2468	0.400	ng/ul	#-0.02
9) Acenaphthene-d10	14.196	164		1263	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.959	188		2506m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.181	240		2029	0.400	ng/ul	-0.01
23) Perylene-d12	23.368	264		2483m	0.400	ng/ul	-0.02
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.163	96		6176	5.108	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.914	152		1078	0.331	ng/ul	-0.02
18) Fluoranthene-d10	19.001	212		1959	0.307	ng/ul	-0.02
Target Compounds							
						Qvalue	
5) Naphthalene	10.358	128		59570	8.988	ng/ul#	86
7) 2-Methylnaphthalene	11.986	142		2180	0.576	ng/ul	97
8) 1-Methylnaphthalene	12.211	142		1315	0.310	ng/ul	94
10) Acenaphthylene	13.913	152		1182	0.190	ng/ul#	88
11) Acenaphthene	14.260	153		552	0.119	ng/ul	93
12) Fluorene	15.255	166		1738	0.351	ng/ul	99
15) Phenanthrene	17.001	178		8329m	1.141	ng/ul	
16) Anthracene	17.094	178		2708	0.397	ng/ul	98
19) Fluoranthene	19.034	202		11898	1.271	ng/ul#	91
20) Pyrene	19.396	202		10644	1.106	ng/ul	95
21) Benzo(a)anthracene	21.164	228		8138m	1.255	ng/ul	
22) Chrysene	21.217	228		8453	0.848	ng/ul	99
24) Benzo(b)fluoranthene	22.716	252		18774m	2.248	ng/ul	
25) Benzo(k)fluoranthene	22.754	252		7509m	0.712	ng/ul	
26) Benzo(a)pyrene	23.268	252		15278	1.764	ng/ul#	79
27) Indeno(1,2,3-cd)pyrene	25.548	276		14760	1.172	ng/ul#	89
28) Dibenzo(a,h)anthracene	25.555	278		3481	0.349	ng/ul	94
29) Benzo(g,h,i)perylene	26.215	276		13031	1.152	ng/ul	94

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042524\
Data File : BM045570.D
Acq On : 25 Apr 2024 19:42
Operator : MA/JU
Sample : P2037-19
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E1CY5

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