

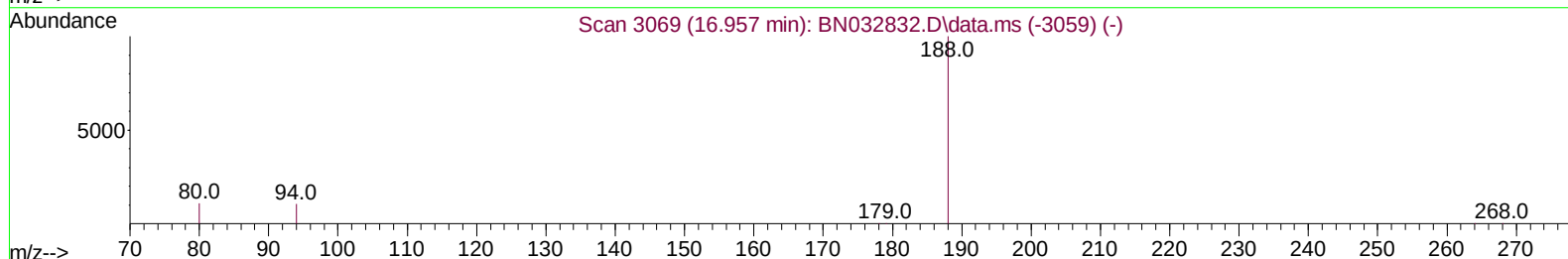
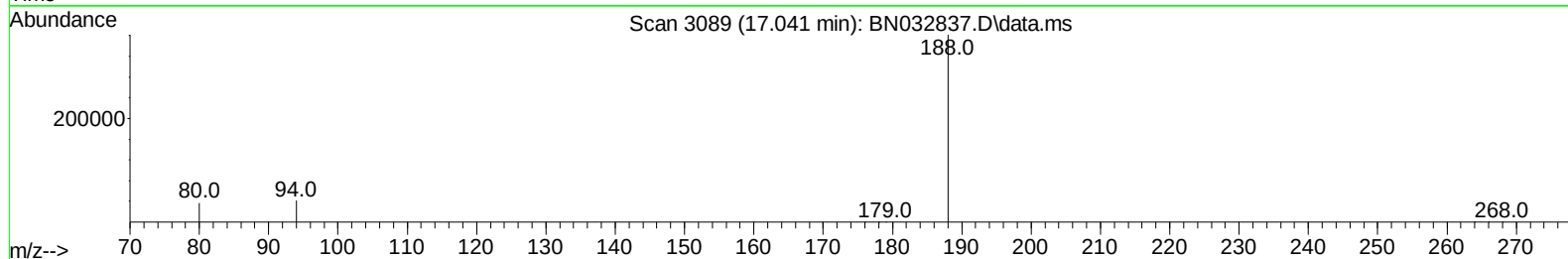
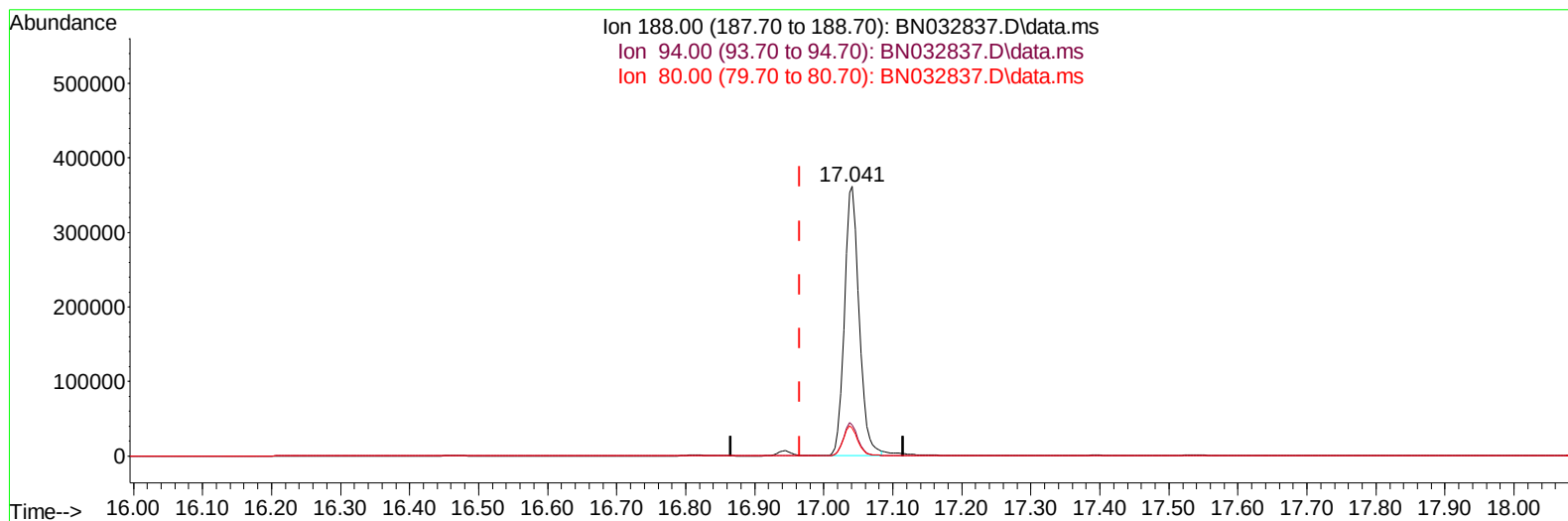
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032837.D
Acq On : 19 Jul 2024 12:46
Operator : MA/JU
Sample : P3178-16
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BY4

Manual IntegrationsAPPROVED

Quant Time: Jul 19 13:24:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 17 02:35:25 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



TIC: BN032837.D\data.ms

(13) Phenanthrene-d10 (I)

17.041min (+ 0.076) 0.40 ng/u1

response 539022

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	11.51
80.00	12.00	10.25
0.00	0.00	0.00

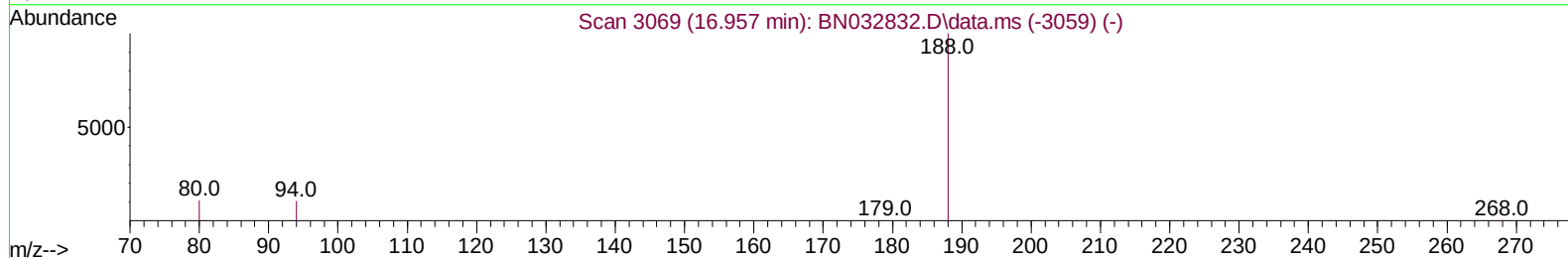
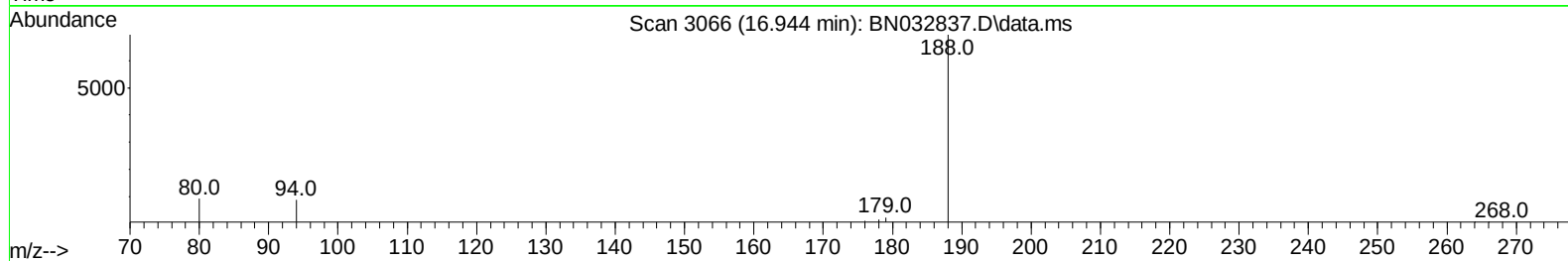
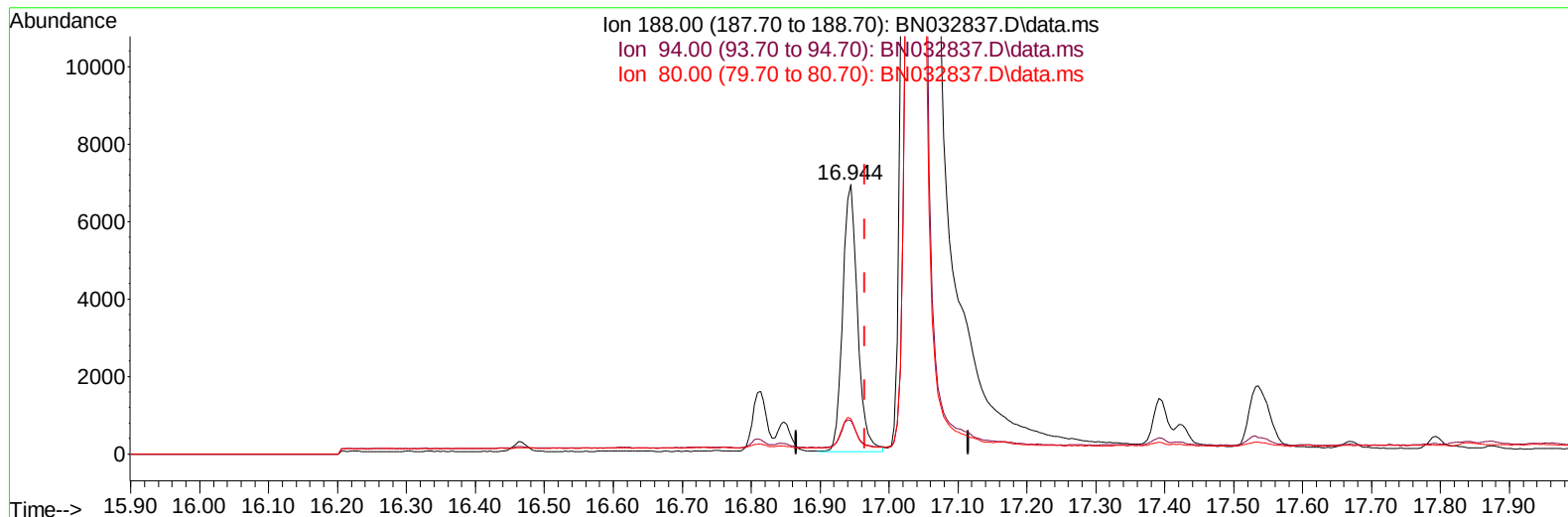
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032837.D
Acq On : 19 Jul 2024 12:46
Operator : MA/JU
Sample : P3178-16
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BY4

Manual IntegrationsAPPROVED

Quant Time: Jul 19 13:24:51 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 17 02:35:25 2024
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Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



TIC: BN032837.D\data.ms

(13) Phenanthrene-d10 (I)

16.944min (-0.021) 0.40 ng/ul m

response 10235

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	12.49
80.00	12.00	13.08
0.00	0.00	0.00

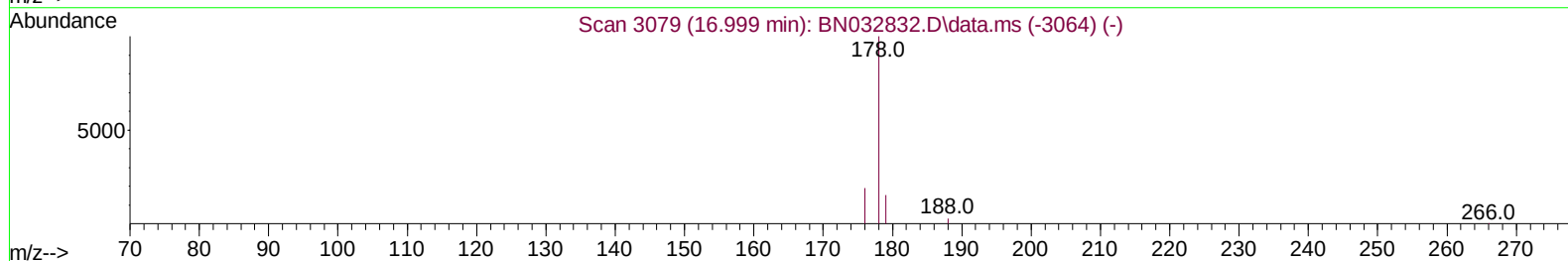
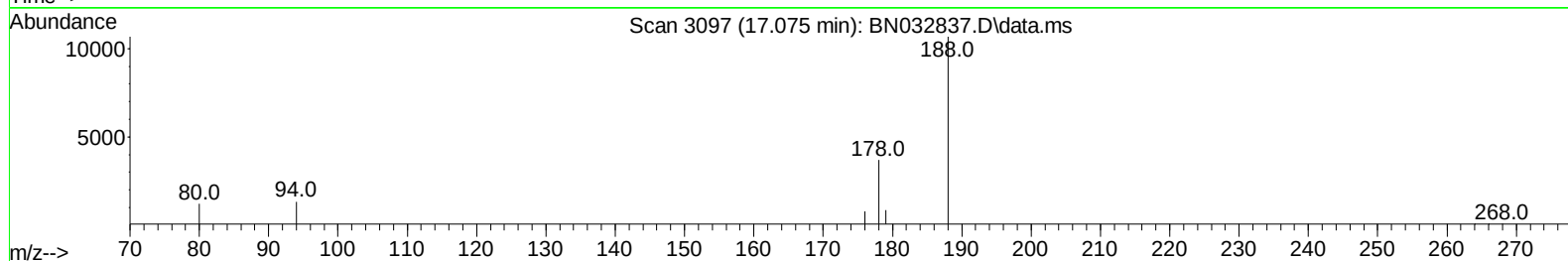
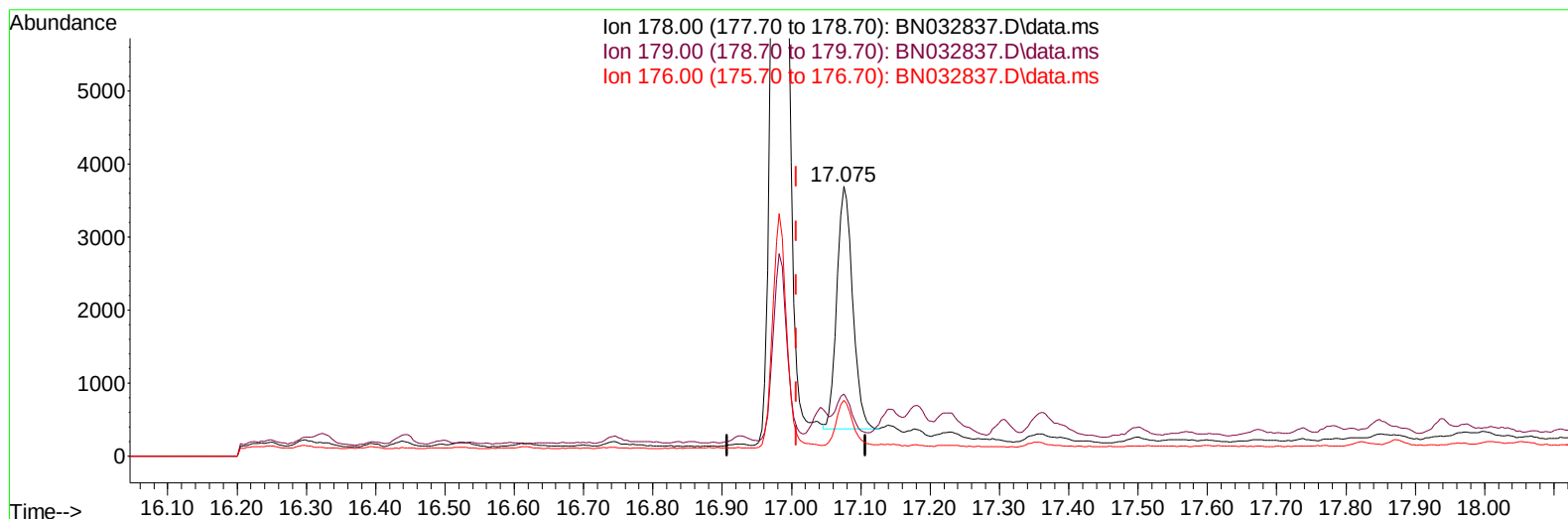
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032837.D
Acq On : 19 Jul 2024 12:46
Operator : MA/JU
Sample : P3178-16
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BY4

Manual IntegrationsAPPROVED

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TIC: BN032837.D\data.ms

(15) Phenanthrene

17.075min (+ 0.068) 0.19 ng/u1

response 5251

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	23.09#
176.00	19.50	20.70
0.00	0.00	0.00

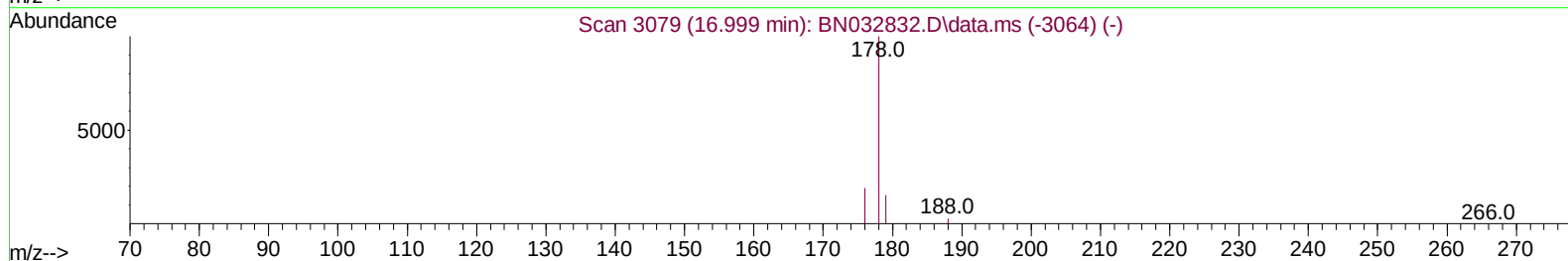
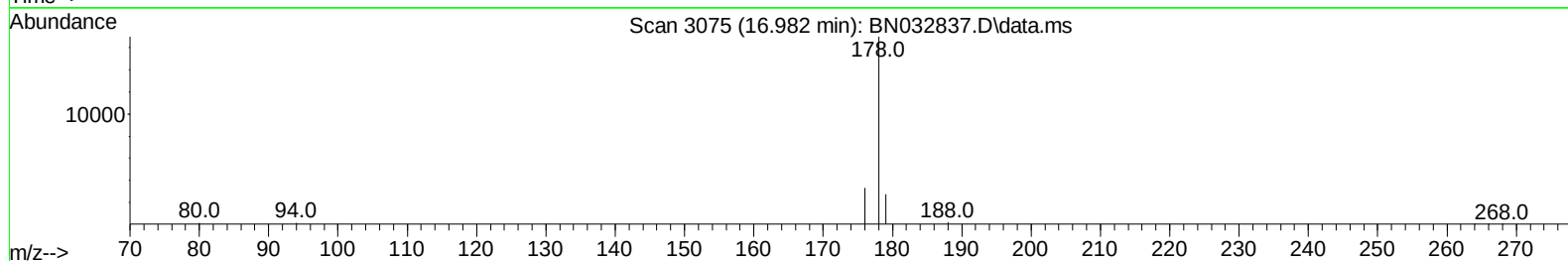
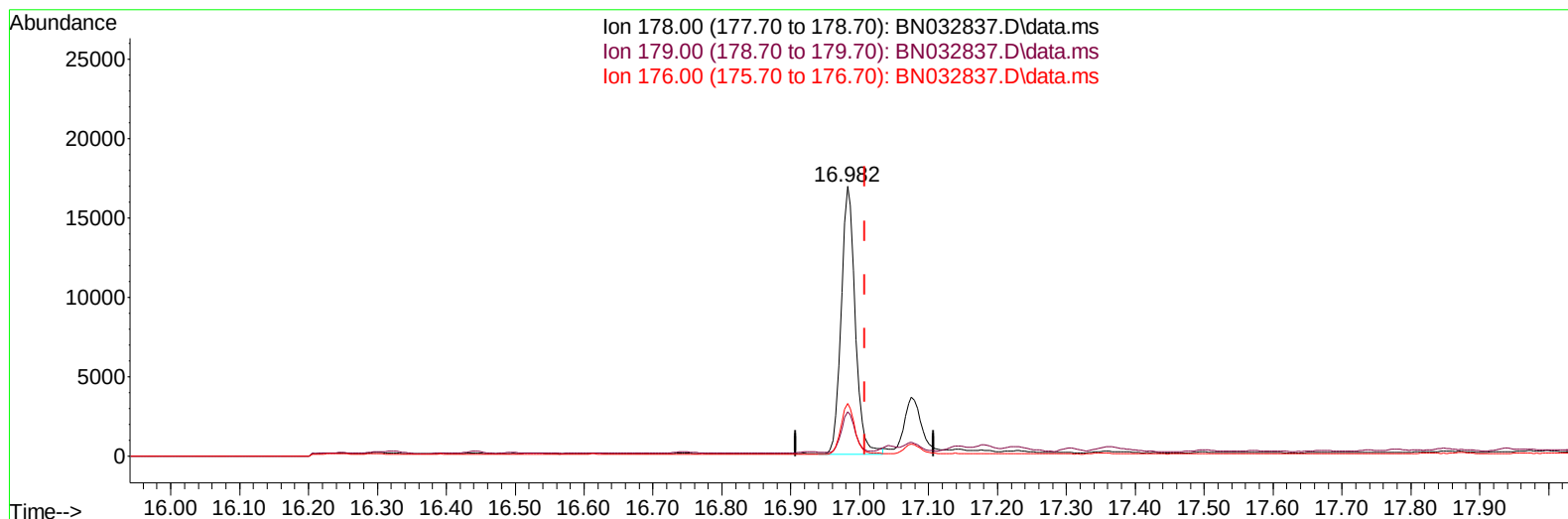
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032837.D
Acq On : 19 Jul 2024 12:46
Operator : MA/JU
Sample : P3178-16
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BY4

Manual IntegrationsAPPROVED

Quant Time: Jul 19 13:24:51 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 17 02:35:25 2024
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Reviewed By :Yogesh Patel 07/20/2024
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TIC: BN032837.D\data.ms

(15) Phenanthrene

16.982min (-0.025) 0.86 ng/ul m

response 23980

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	16.31
176.00	19.50	19.53
0.00	0.00	0.00

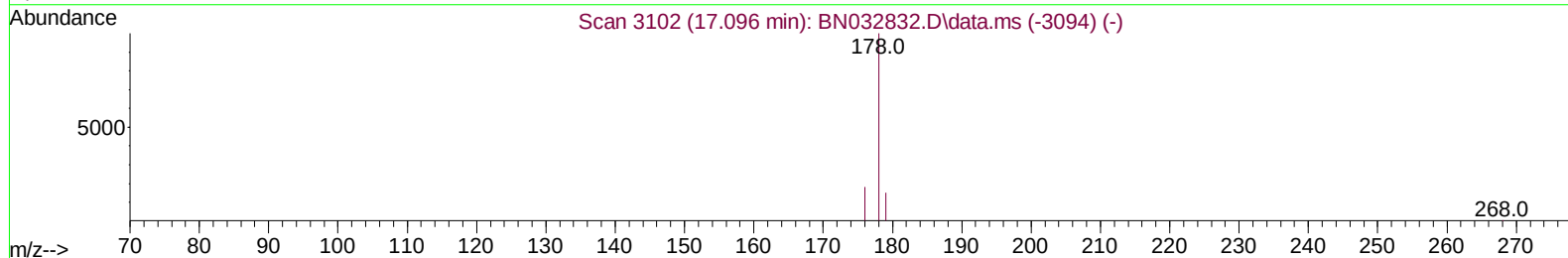
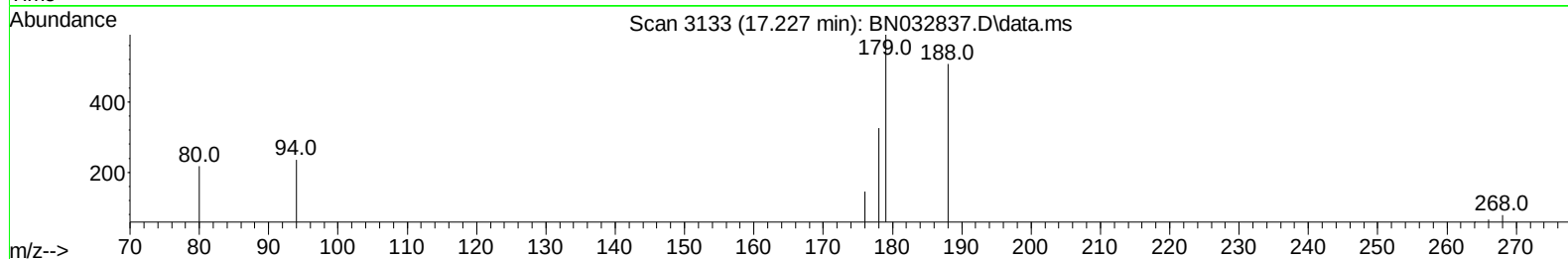
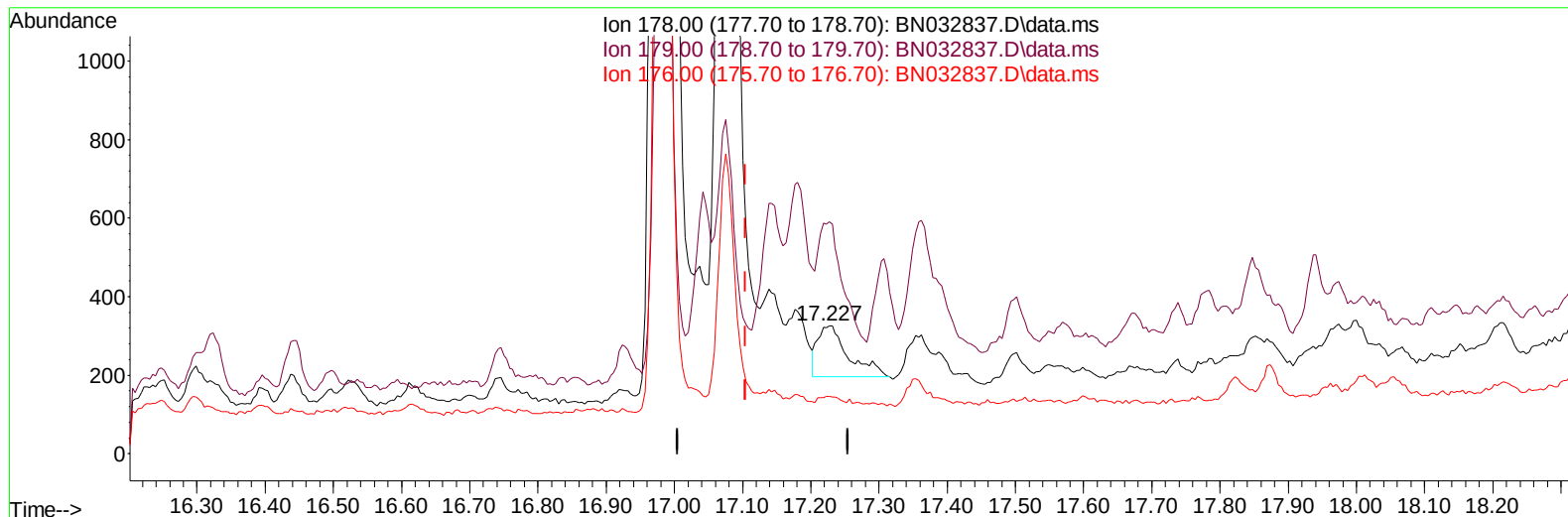
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032837.D
Acq On : 19 Jul 2024 12:46
Operator : MA/JU
Sample : P3178-16
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BY4

Manual IntegrationsAPPROVED

Quant Time: Jul 19 13:24:51 2024
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TIC: BN032837.D\data.ms

(16) Anthracene

17.227min (+ 0.122) 0.02 ng/u1

response 406

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	181.29#
176.00	19.20	44.79#
0.00	0.00	0.00

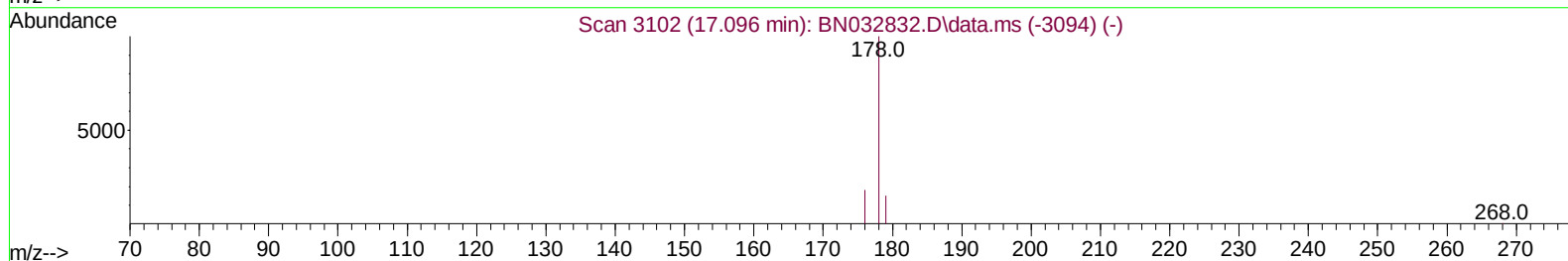
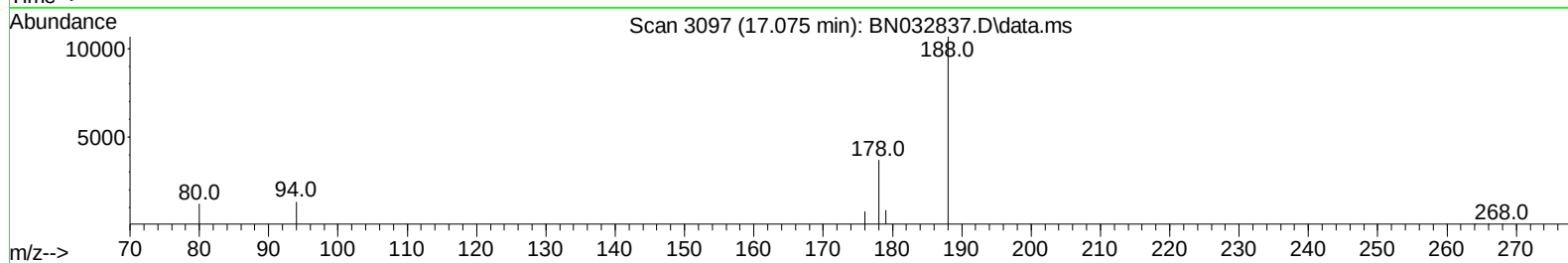
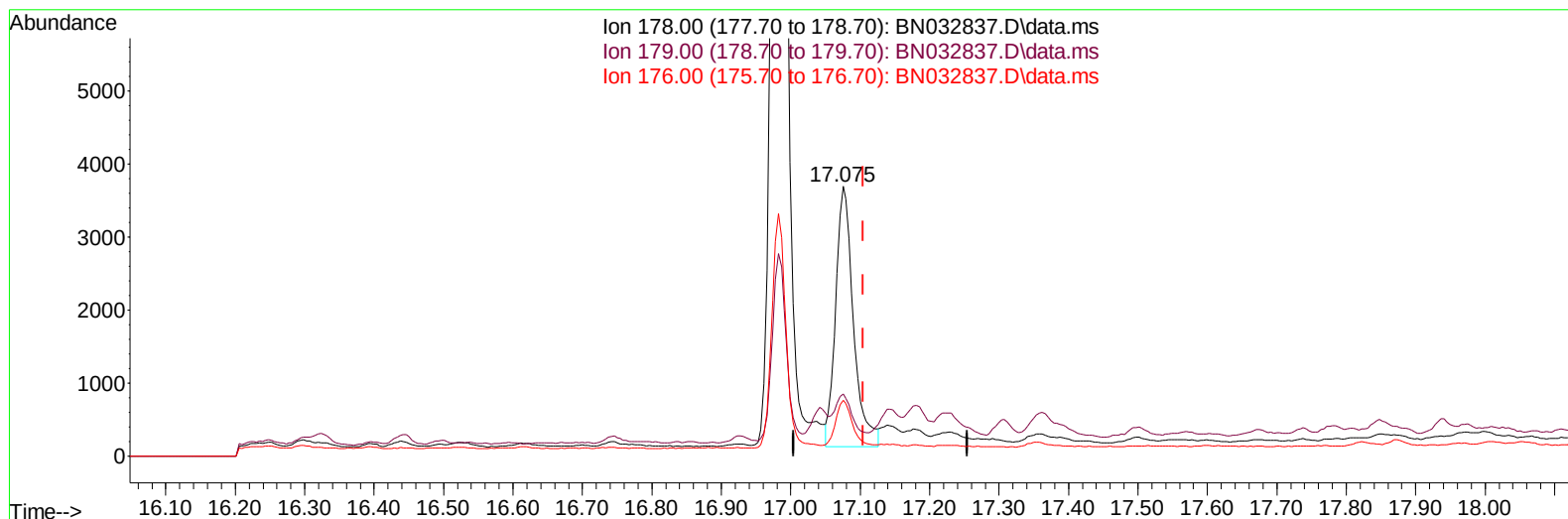
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Data File : BN032837.D
Acq On : 19 Jul 2024 12:46
Operator : MA/JU
Sample : P3178-16
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BY4

Manual IntegrationsAPPROVED

Quant Time: Jul 19 13:24:51 2024
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QLast Update : Wed Jul 17 02:35:25 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



TIC: BN032837.D\data.ms

(16) Anthracene

17.075min (-0.030) 0.28 ng/ul m

response 6358

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	23.09#
176.00	19.20	20.70
0.00	0.00	0.00

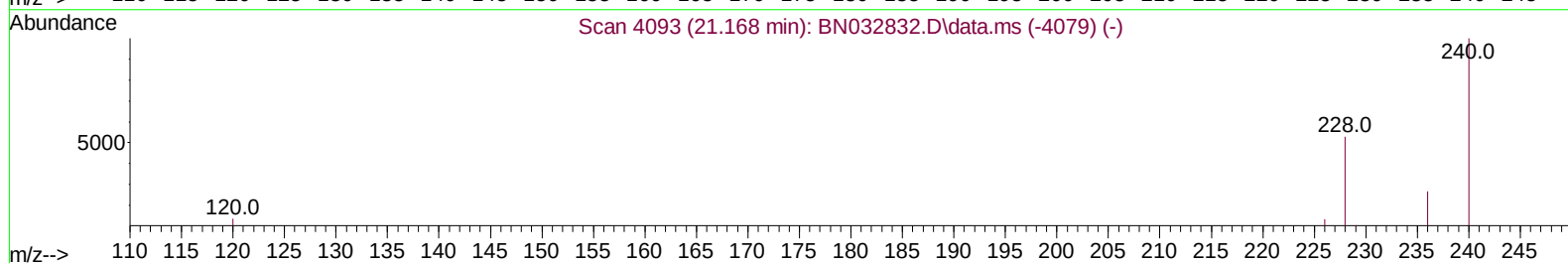
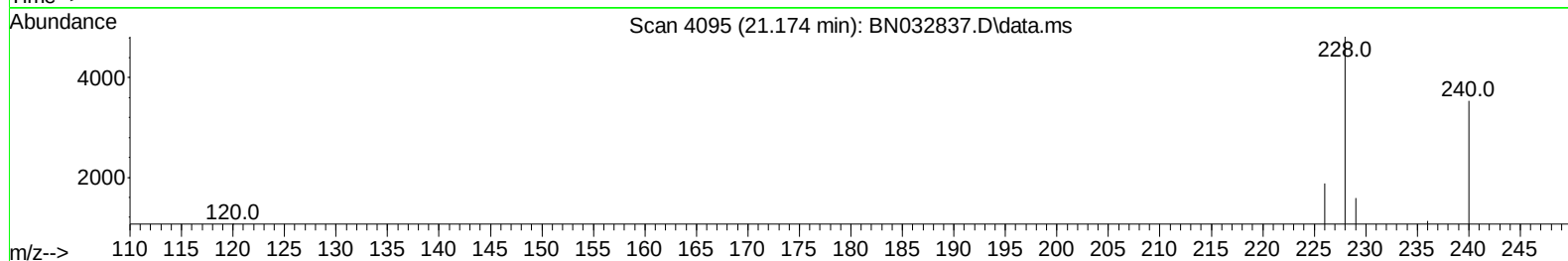
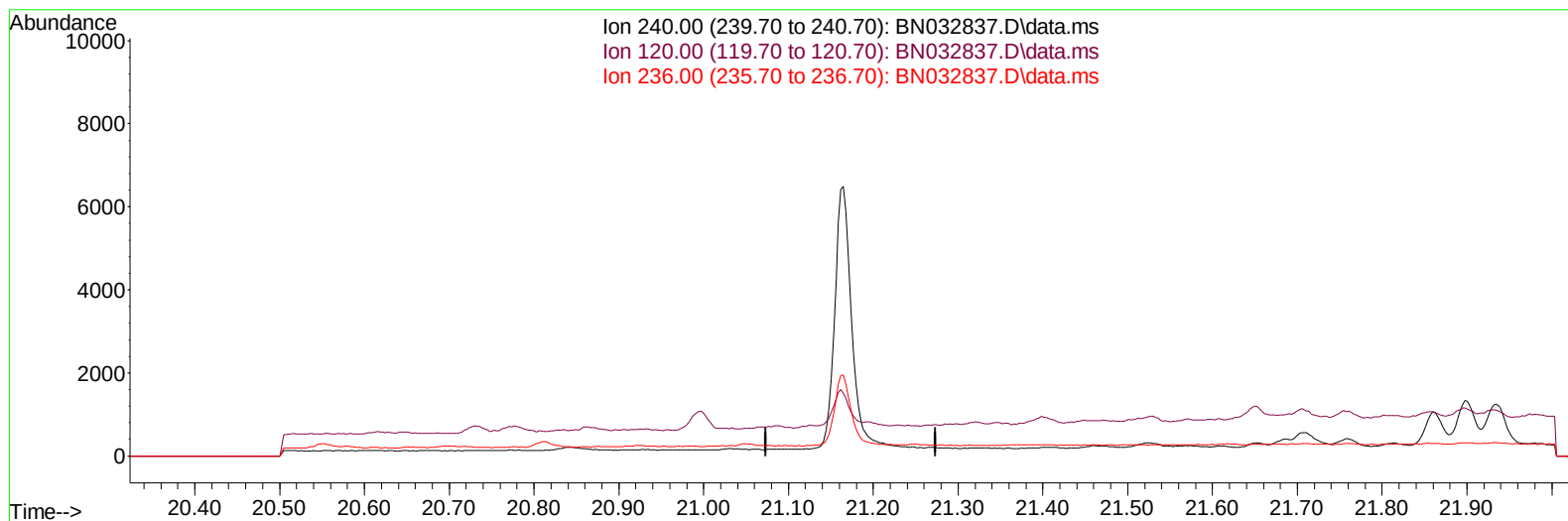
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032837.D
Acq On : 19 Jul 2024 12:46
Operator : MA/JU
Sample : P3178-16
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BY4

Manual IntegrationsAPPROVED

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TIC: BN032837.D\data.ms

(17) Chrysene-d12

21.174min (-21.174) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	18.00	0.00#
236.00	28.40	0.00#
0.00	0.00	0.00

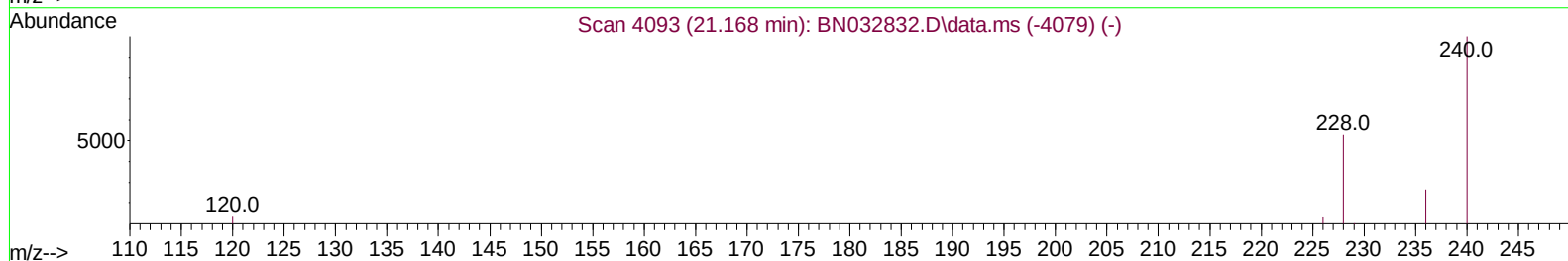
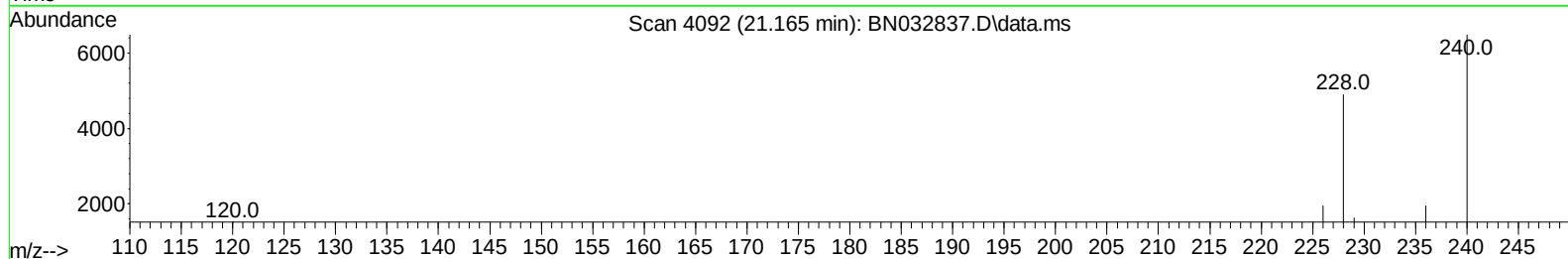
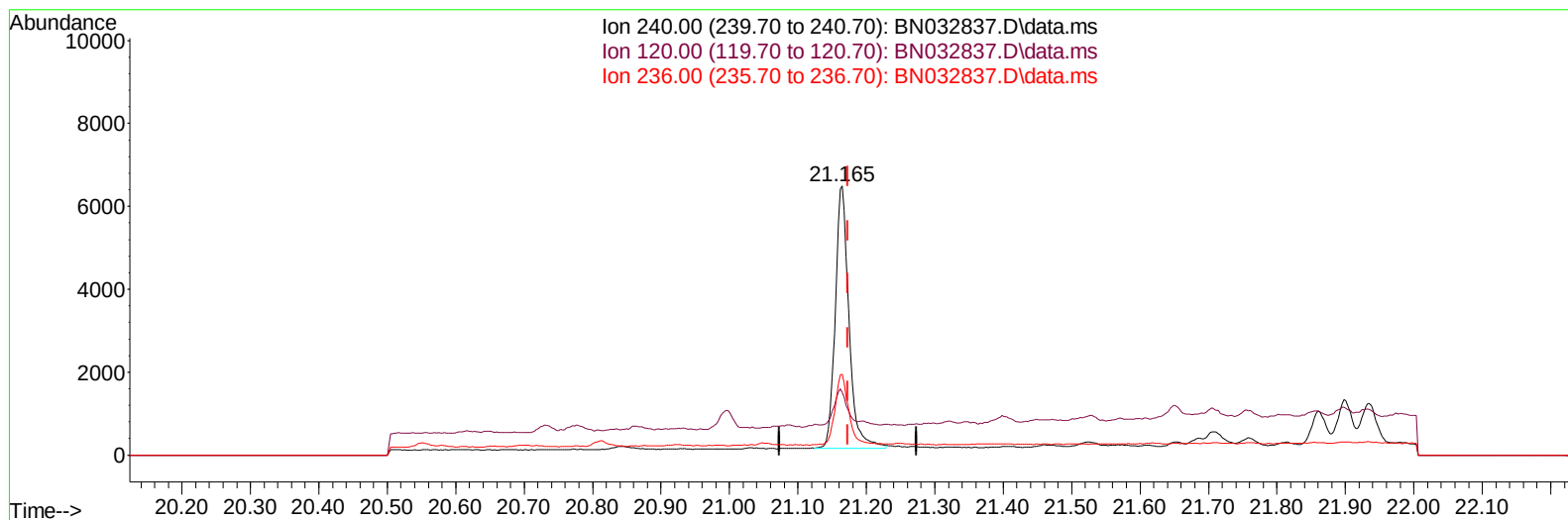
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032837.D
Acq On : 19 Jul 2024 12:46
Operator : MA/JU
Sample : P3178-16
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BY4

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024

Quant Time: Jul 19 13:24:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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QLast Update : Wed Jul 17 02:35:25 2024
Response via : Initial Calibration



TIC: BN032837.D\data.ms

(17) Chrysene-d12

21.165min (-0.009) 0.40 ng/ul m

response 8855

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.00	23.35#
236.00	28.40	30.04
0.00	0.00	0.00

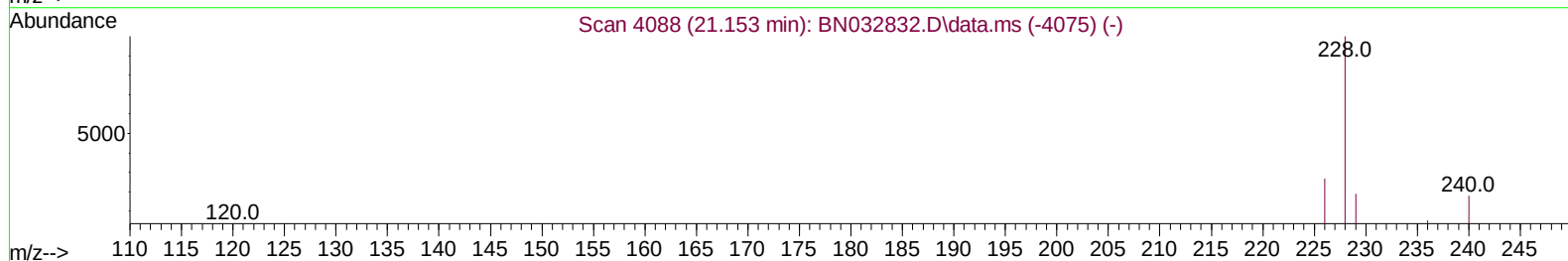
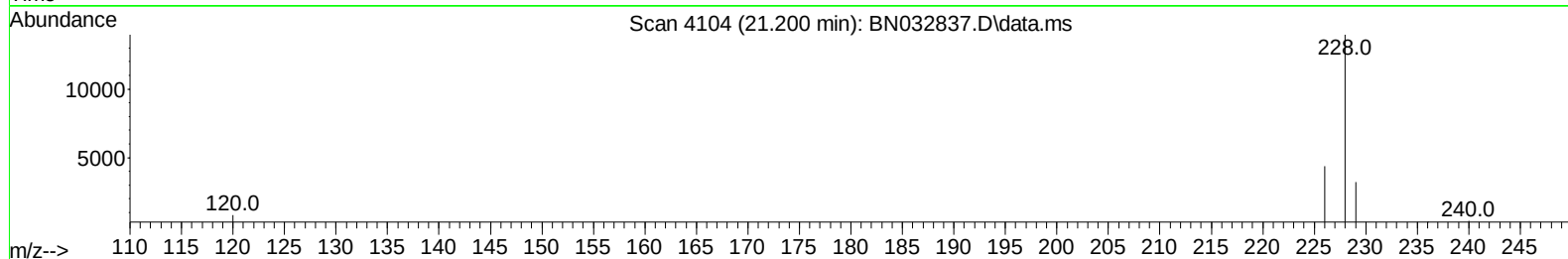
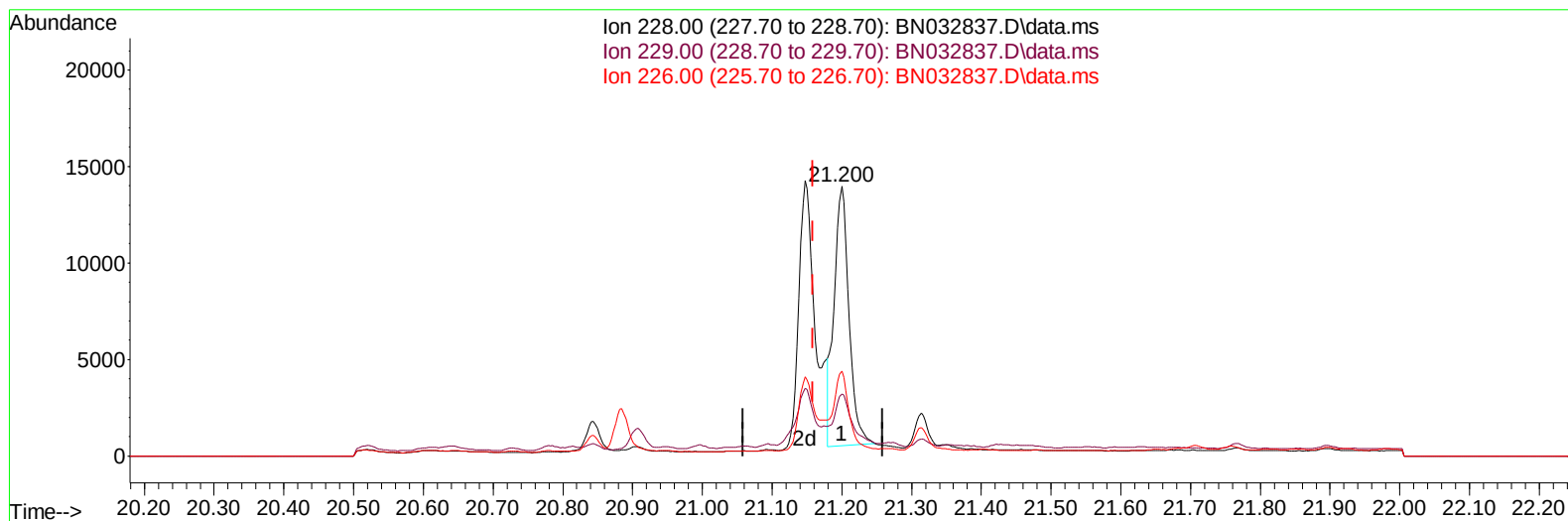
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032837.D
Acq On : 19 Jul 2024 12:46
Operator : MA/JU
Sample : P3178-16
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BY4

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024

Quant Time: Jul 19 13:24:51 2024
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TIC: BN032837.D\data.ms

(21) Benzo(a)anthracene

21.200min (+ 0.041) 0.71 ng/u1

response 19937

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.10	23.05
226.00	27.40	31.45
0.00	0.00	0.00

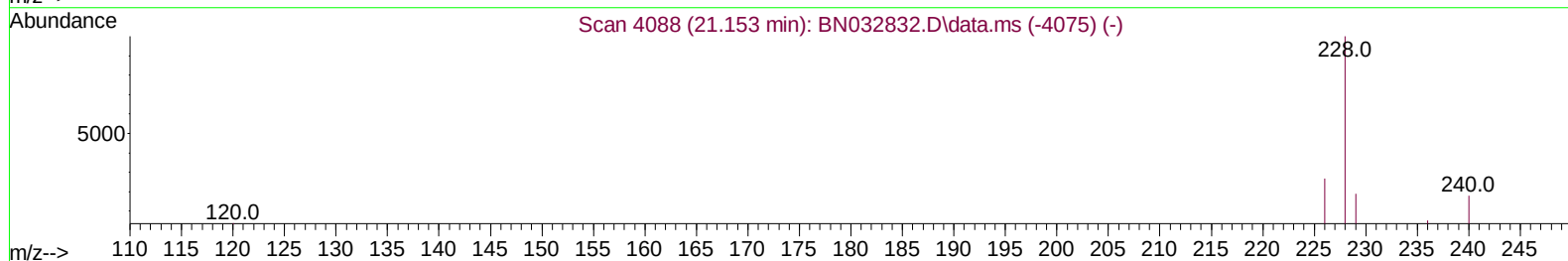
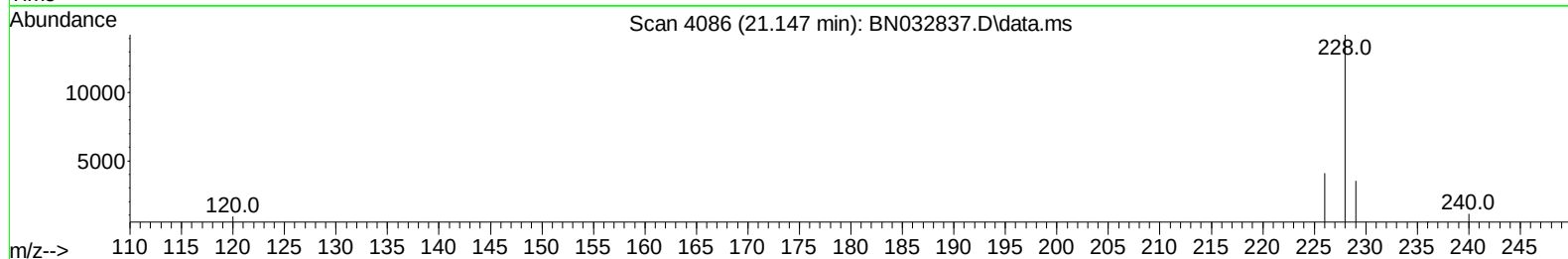
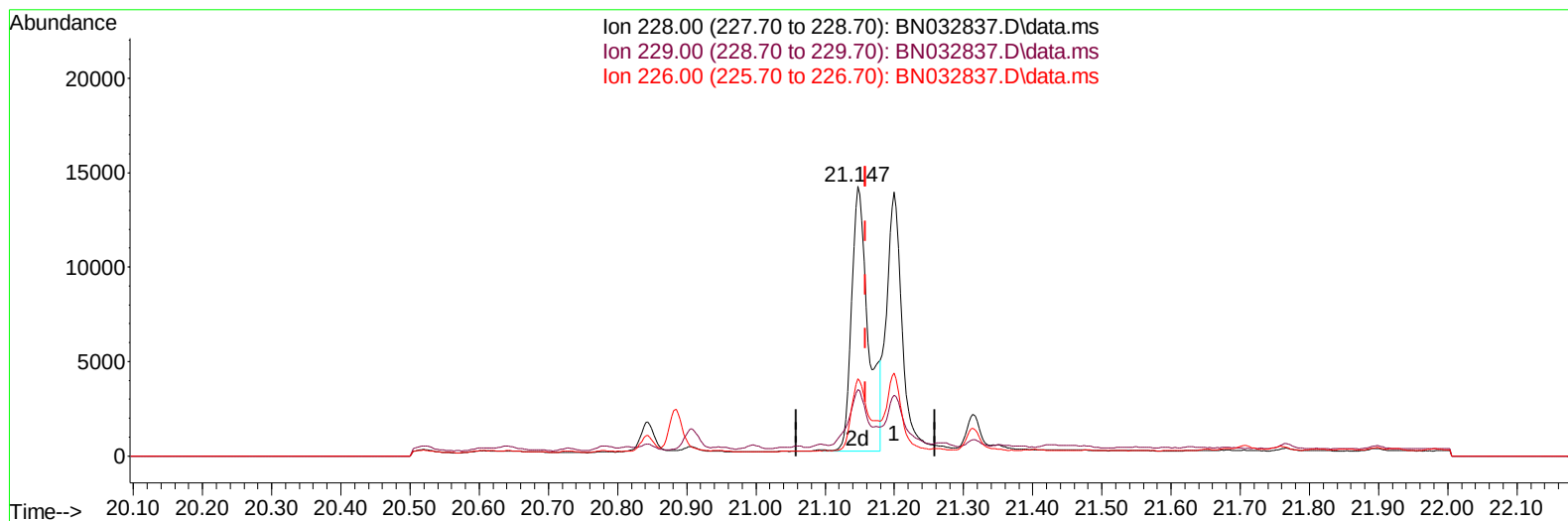
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032837.D
Acq On : 19 Jul 2024 12:46
Operator : MA/JU
Sample : P3178-16
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BY4

Manual IntegrationsAPPROVED

Quant Time: Jul 19 13:24:51 2024
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TIC: BN032837.D\data.ms

(21) Benzo(a)anthracene

21.147min (-0.012) 0.83 ng/ul m

response 23497

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.10	24.70#
226.00	27.40	28.67
0.00	0.00	0.00

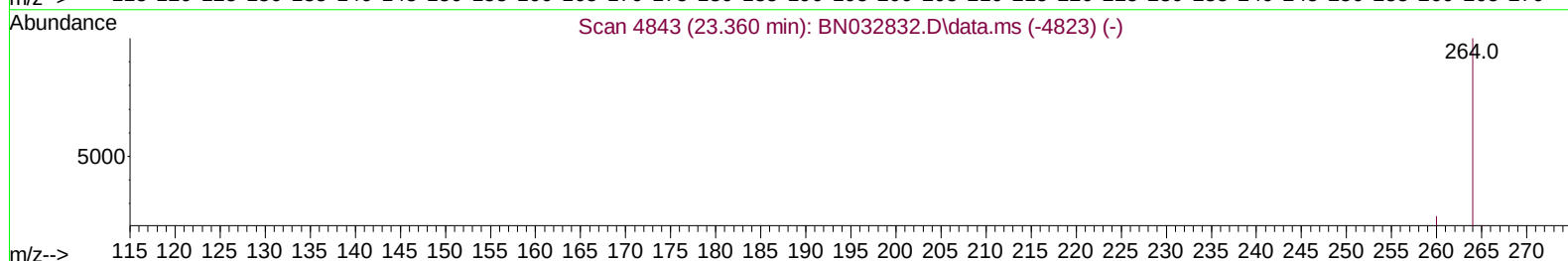
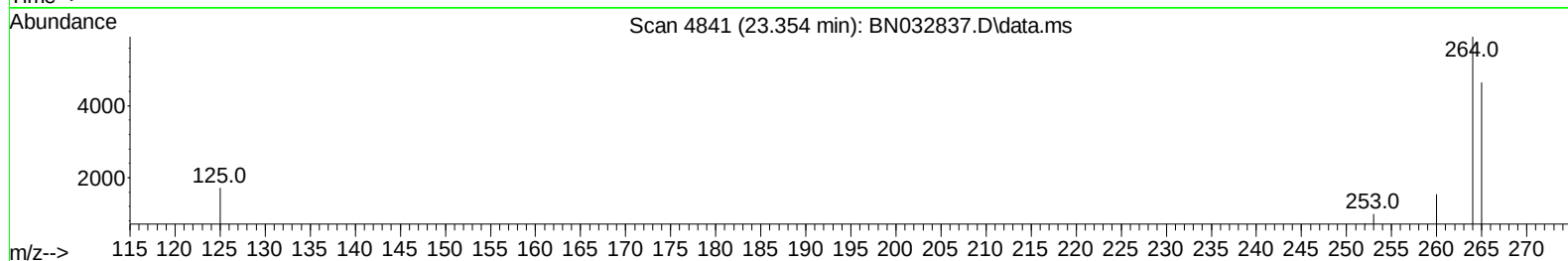
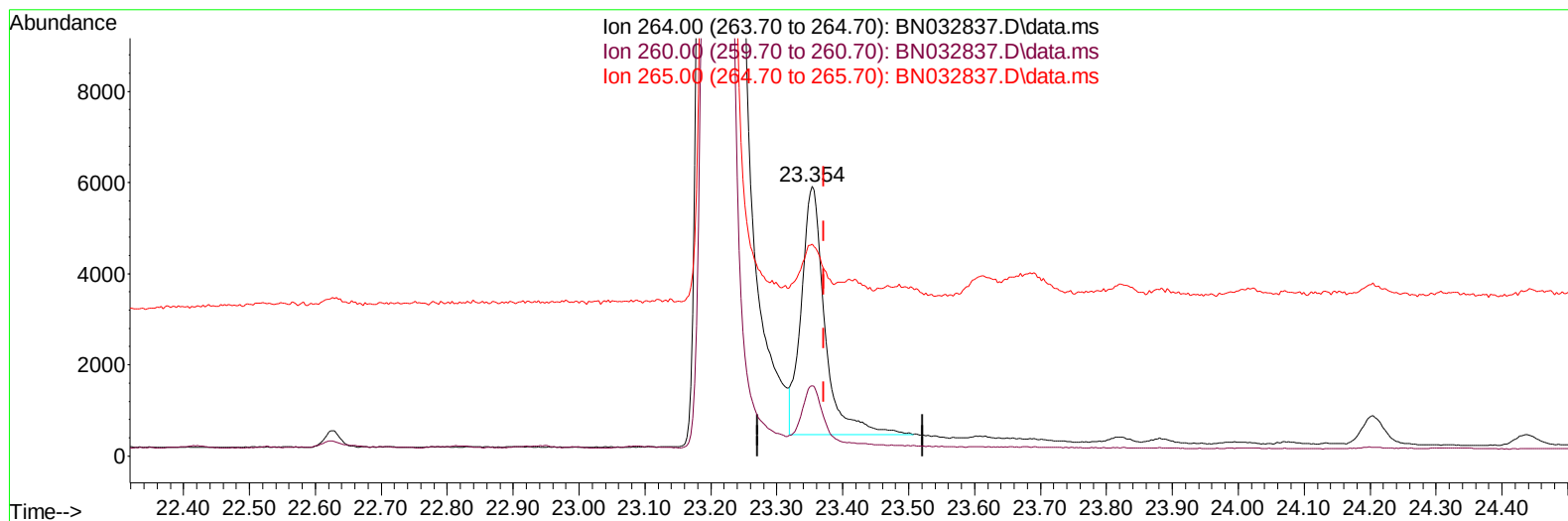
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032837.D
Acq On : 19 Jul 2024 12:46
Operator : MA/JU
Sample : P3178-16
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BY4

Manual IntegrationsAPPROVED

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TIC: BN032837.D\data.ms

(23) Perylene-d12 (I)

23.354min (-0.018) 0.40 ng/uL

response 13581

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	26.12
265.00	95.50	78.59
0.00	0.00	0.00

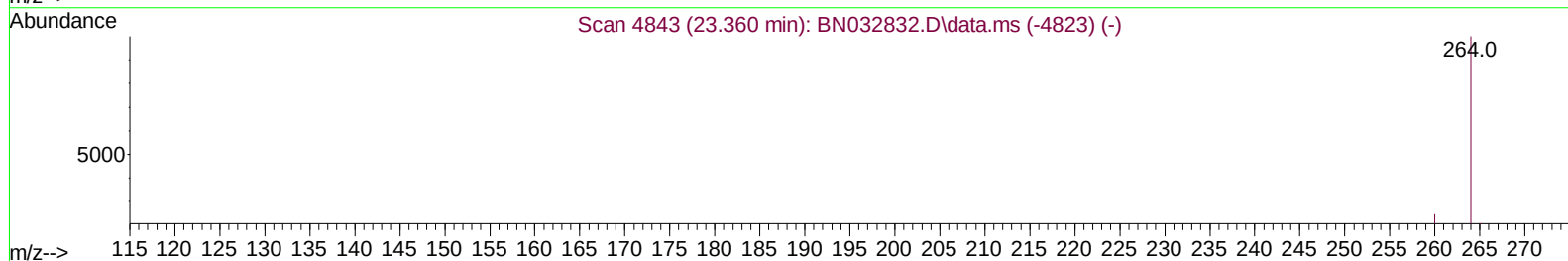
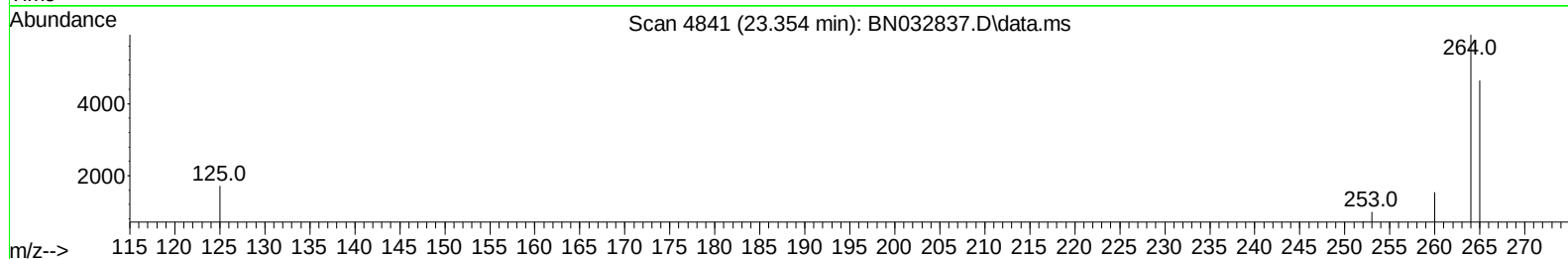
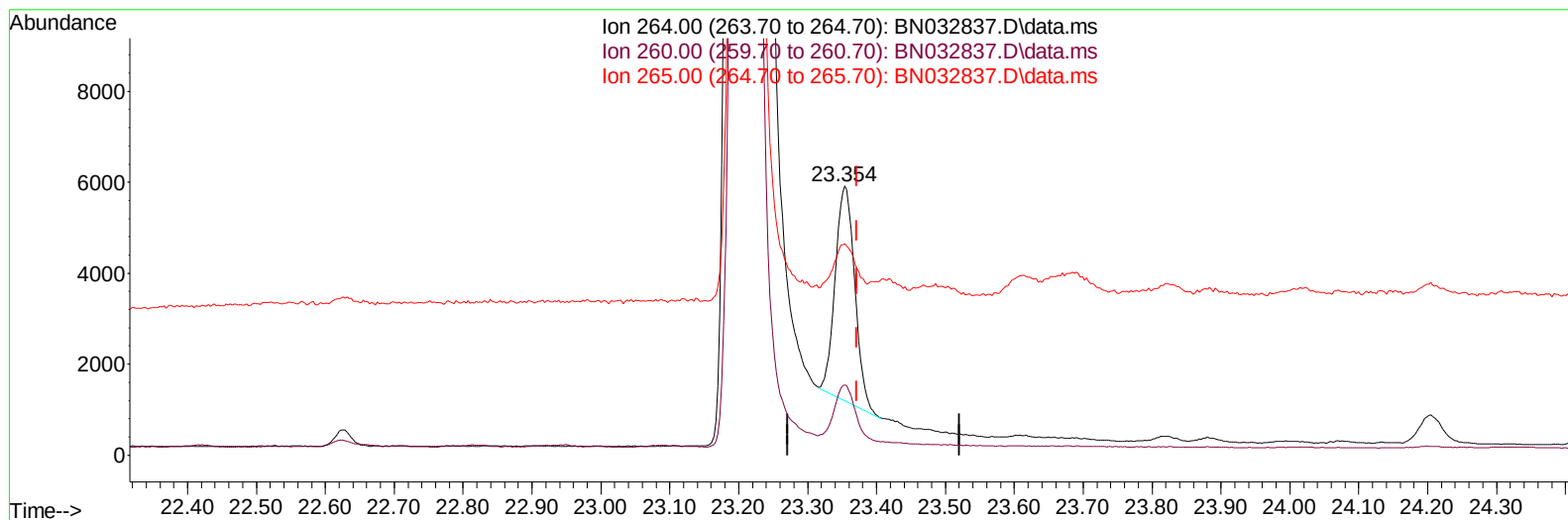
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032837.D
Acq On : 19 Jul 2024 12:46
Operator : MA/JU
Sample : P3178-16
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BY4

Manual IntegrationsAPPROVED

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TIC: BN032837.D\data.ms

(23) Perylene-d12 (I)

23.354min (-0.018) 0.40 ng/ul m

response 9278

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	26.12
265.00	95.50	78.59
0.00	0.00	0.00

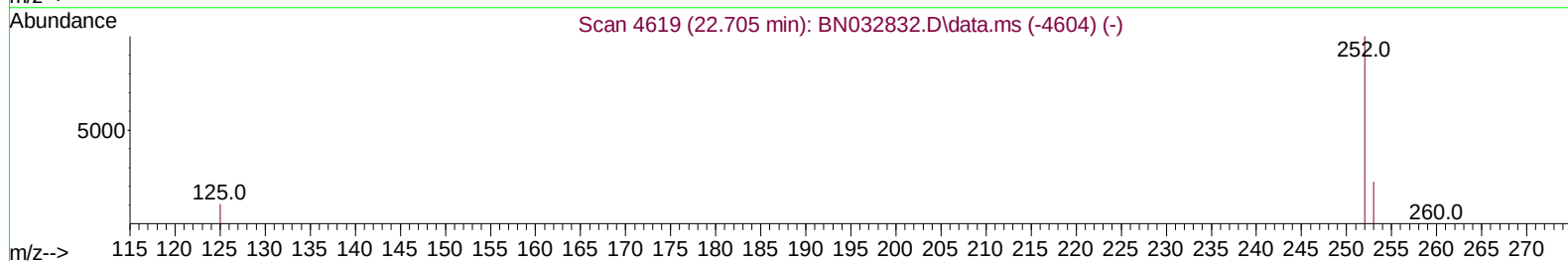
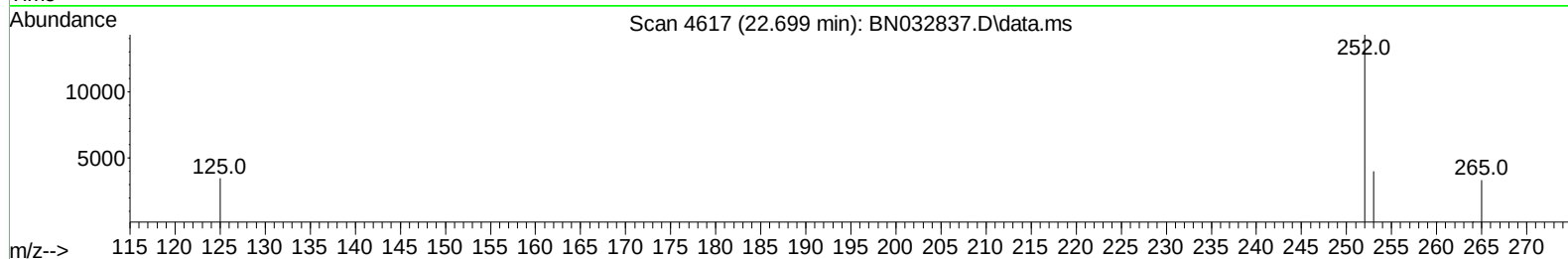
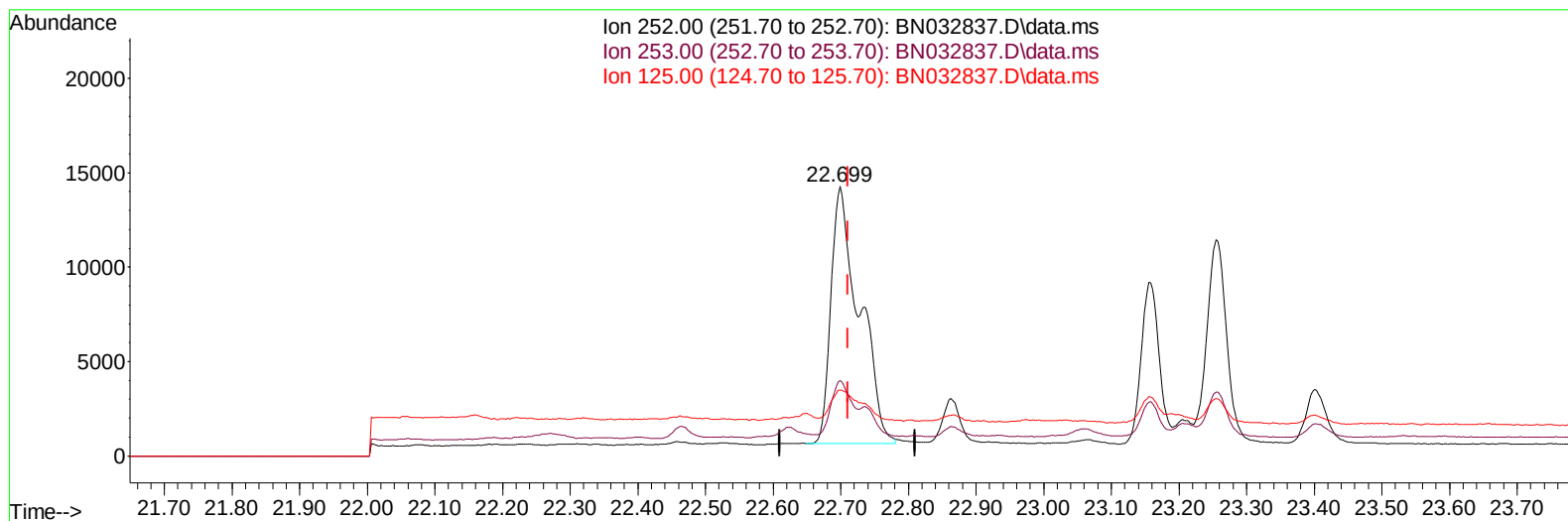
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032837.D
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ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BY4

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TIC: BN032837.D\data.ms

(24) Benzo(b)fluoranthene

22.699min (-0.012) 1.21 ng/uI

response 39572

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	28.04
125.00	18.00	24.32
0.00	0.00	0.00

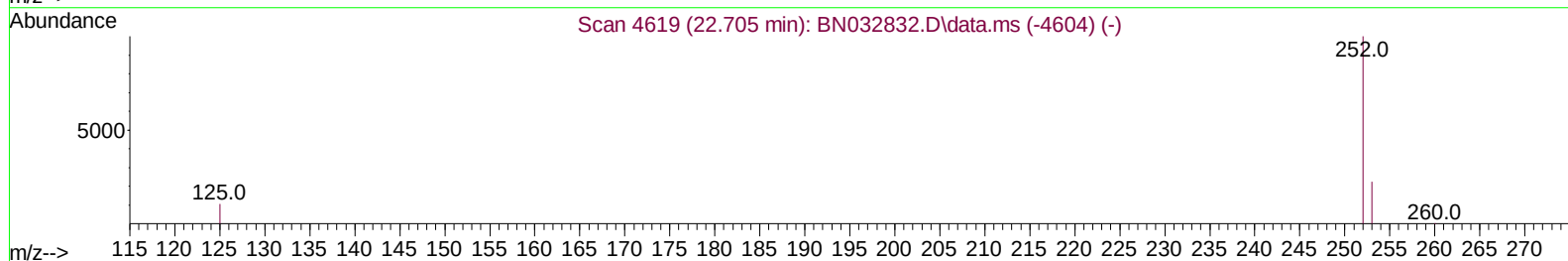
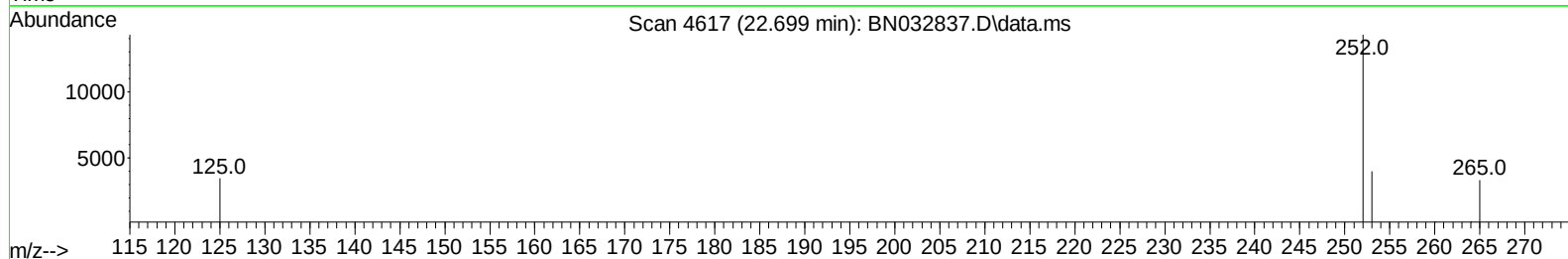
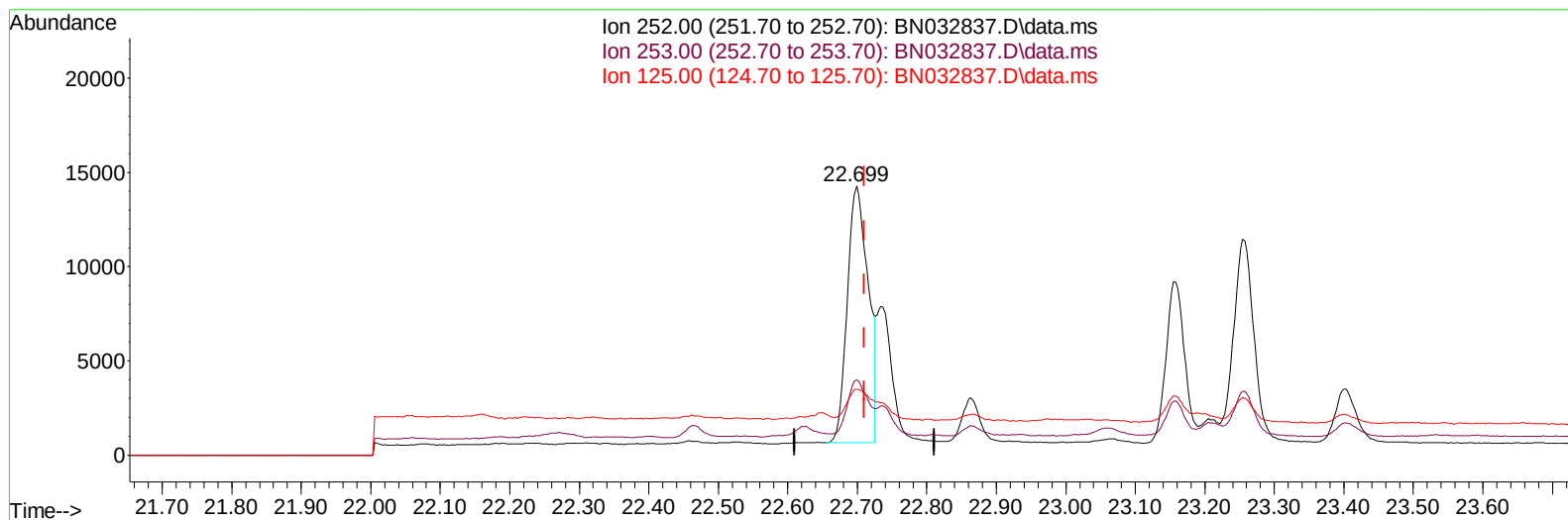
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032837.D
Acq On : 19 Jul 2024 12:46
Operator : MA/JU
Sample : P3178-16
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BY4

Manual IntegrationsAPPROVED

Quant Time: Jul 19 13:24:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 17 02:35:25 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



TIC: BN032837.D\data.ms

(24) Benzo(b)fluoranthene

22.699min (-0.012) 0.87 ng/ul m

response 28528

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	28.04
125.00	18.00	24.32
0.00	0.00	0.00

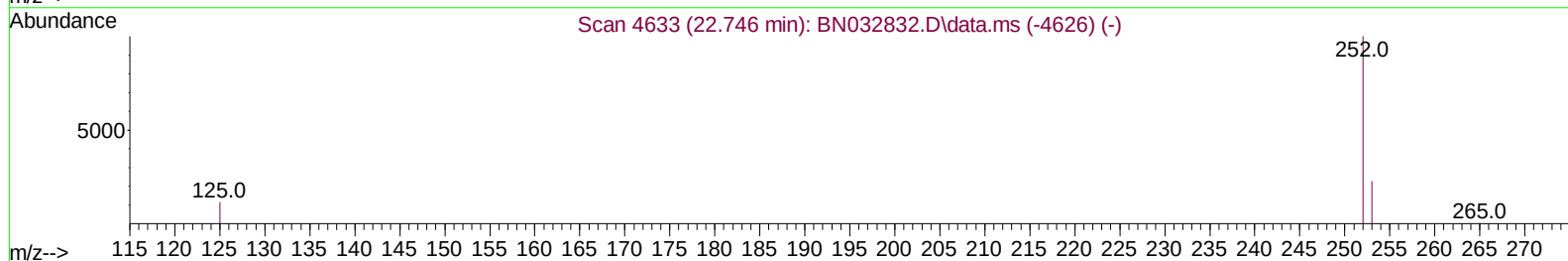
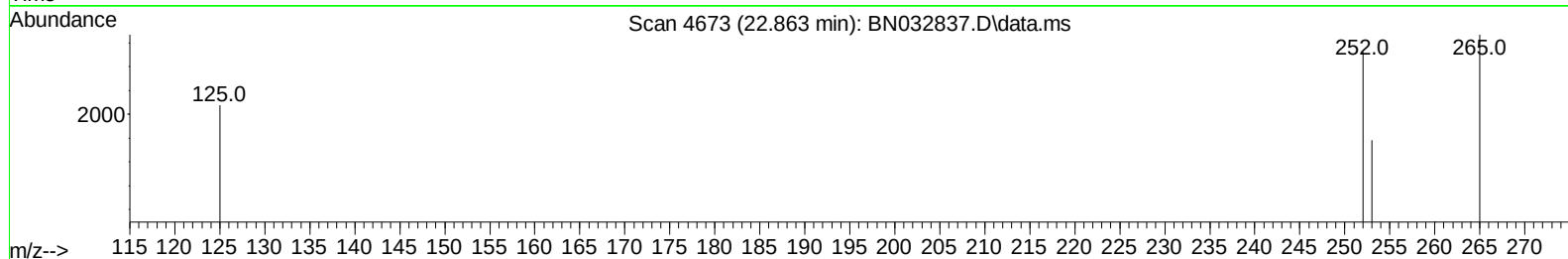
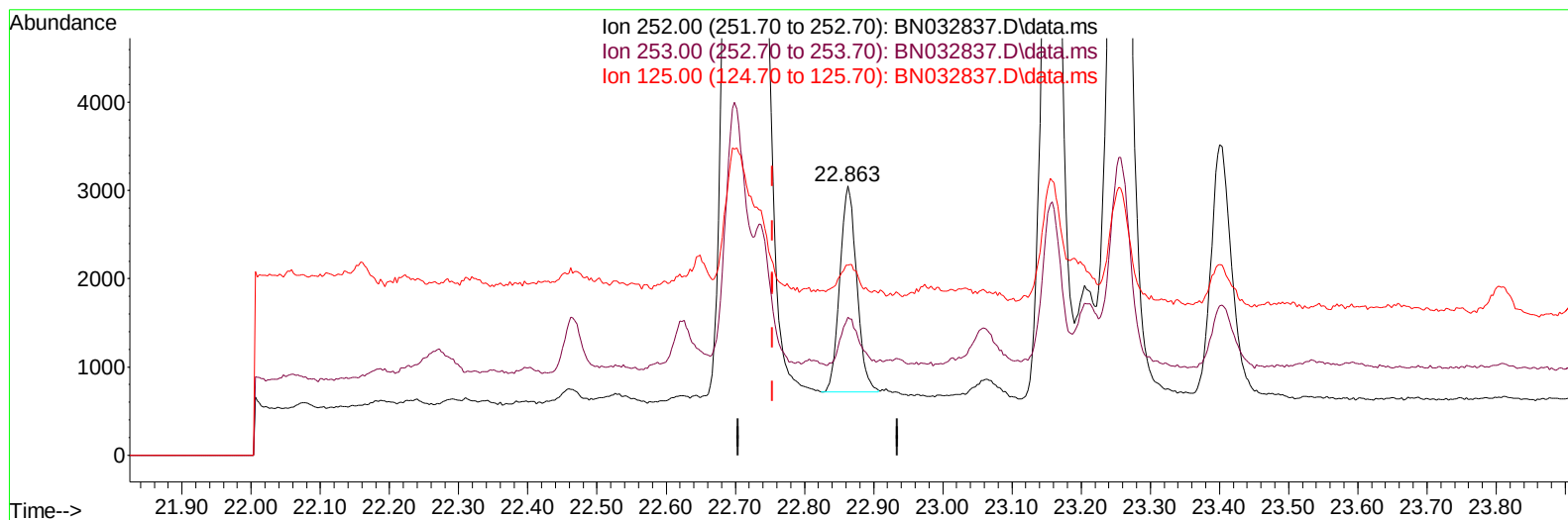
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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TIC: BN032837.D\data.ms

(25) Benzo(k)fluoranthene

22.863min (+ 0.108) 0.10 ng/u1

response 3982

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	51.28#
125.00	18.50	70.56#
0.00	0.00	0.00

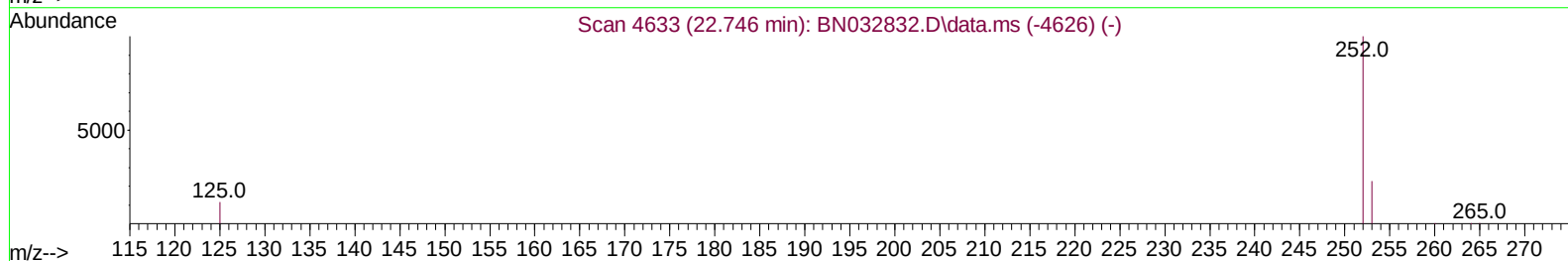
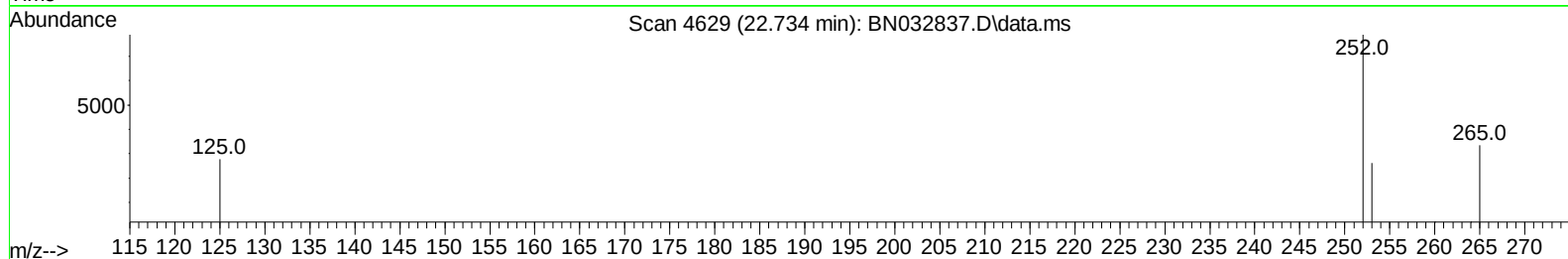
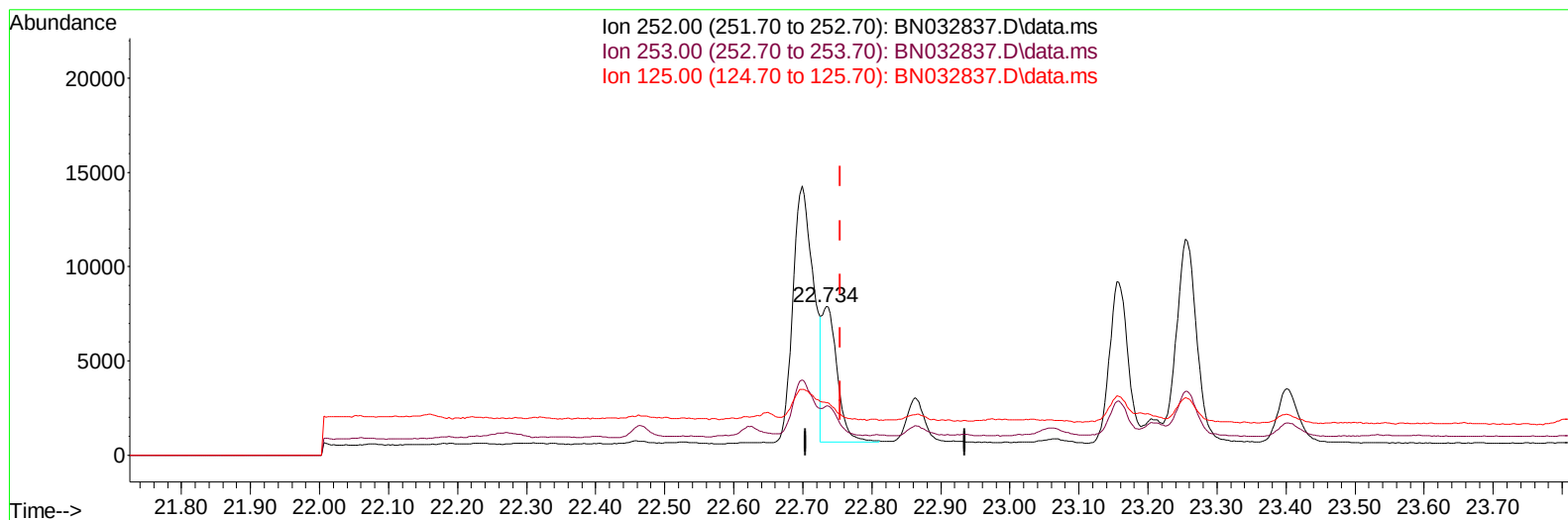
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032837.D
Acq On : 19 Jul 2024 12:46
Operator : MA/JU
Sample : P3178-16
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BY4

Manual IntegrationsAPPROVED

Quant Time: Jul 19 13:24:51 2024
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TIC: BN032837.D\data.ms

(25) Benzo(k)fluoranthene

22.734min (-0.020) 0.28 ng/ul m

response 11047

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	33.28#
125.00	18.50	35.27#
0.00	0.00	0.00

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 Operator : MA/JU
 Sample : P3178-16
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4BY4

Manual IntegrationsAPPROVED

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.532	152		3313	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.299	136		9976	0.400	ng/ul	-0.03
9) Acenaphthene-d10	14.184	164		5306	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.944	188		10235m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.165	240		8855m	0.400	ng/ul	0.00
23) Perylene-d12	23.354	264		9278m	0.400	ng/ul	-0.02
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.089	96		12872	3.236	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.905	152		3353	0.222	ng/ul	-0.03
18) Fluoranthene-d10	18.985	212		6022	0.209	ng/ul	-0.02
Target Compounds							Qvalue
5) Naphthalene	10.349	128		1533	0.057	ng/ul#	84
7) 2-Methylnaphthalene	11.982	142		555	0.033	ng/ul	96
8) 1-Methylnaphthalene	12.202	142		375	0.022	ng/ul	98
10) Acenaphthylene	13.902	152		1854	0.086	ng/ul#	82
11) Acenaphthene	14.244	153		1429	0.081	ng/ul	97
12) Fluorene	15.243	166		1768	0.087	ng/ul#	97
15) Phenanthrene	16.982	178		23980m	0.860	ng/ul	
16) Anthracene	17.075	178		6358m	0.279	ng/ul	
19) Fluoranthene	19.018	202		45871	1.274	ng/ul	98
20) Pyrene	19.380	202		44058	1.182	ng/ul	100
21) Benzo(a)anthracene	21.147	228		23497m	0.834	ng/ul	
22) Chrysene	21.200	228		21105	0.518	ng/ul	95
24) Benzo(b)fluoranthene	22.699	252		28528m	0.871	ng/ul	
25) Benzo(k)fluoranthene	22.734	252		11047m	0.277	ng/ul	
26) Benzo(a)pyrene	23.254	252		21874	0.772	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	25.566	276		14888	0.388	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.562	278		3363	0.113	ng/ul#	34
29) Benzo(g,h,i)perylene	26.243	276		15608	0.487	ng/ul	94

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

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