

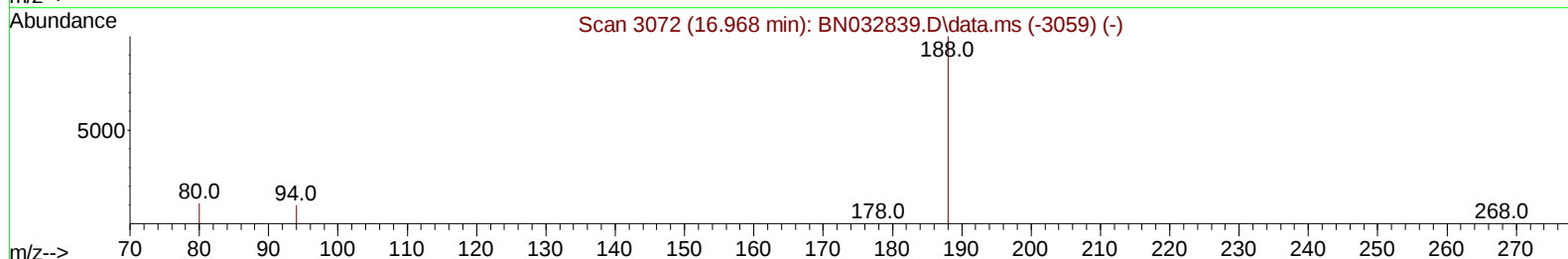
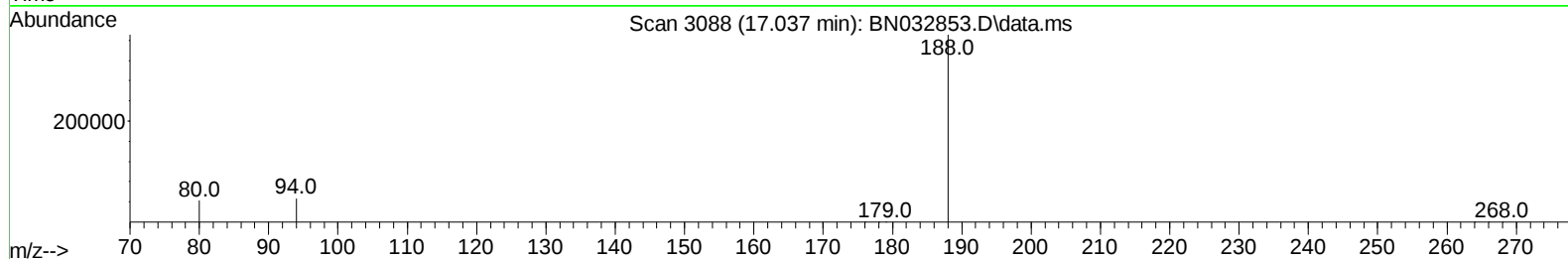
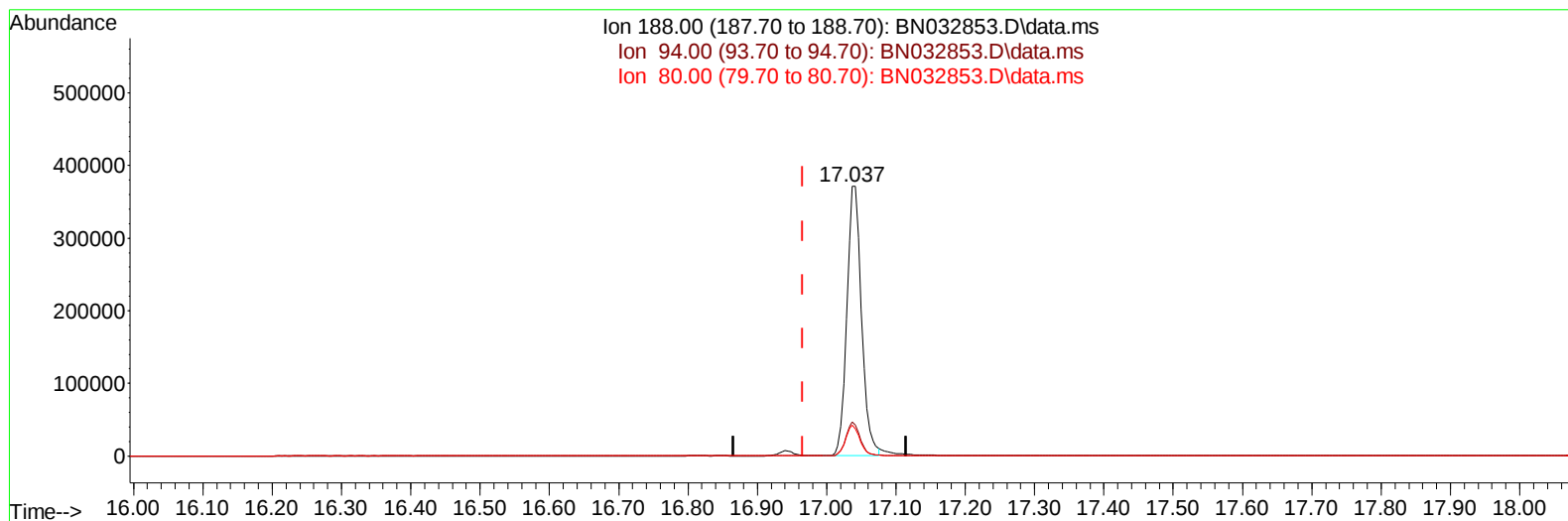
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032853.D
Acq On : 19 Jul 2024 22:26
Operator : MA/JU
Sample : P3178-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT0

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:21:02 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: BN032853.D\data.ms

(13) Phenanthrene-d10 (I)

17.037min (+ 0.072) 0.40 ng/u1

response 545013

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	12.57
80.00	12.00	11.47
0.00	0.00	0.00

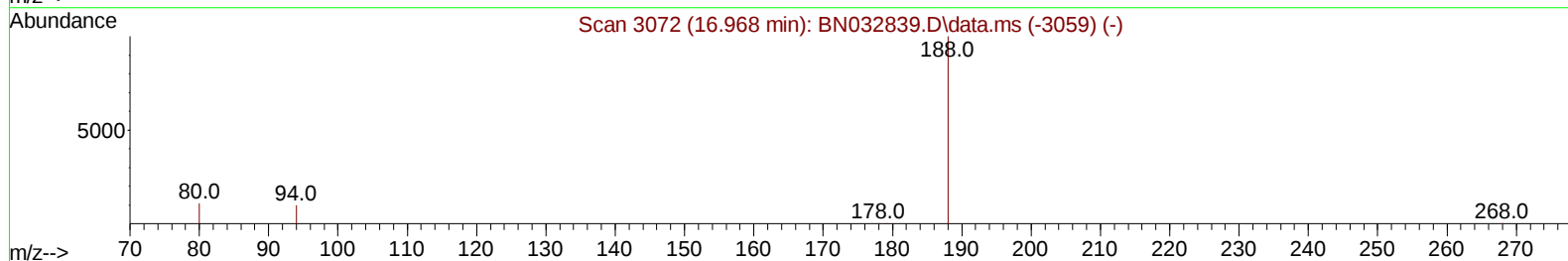
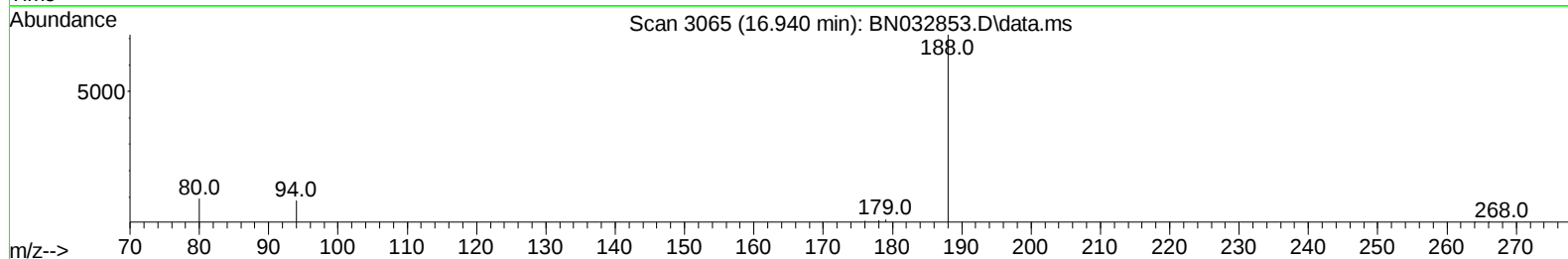
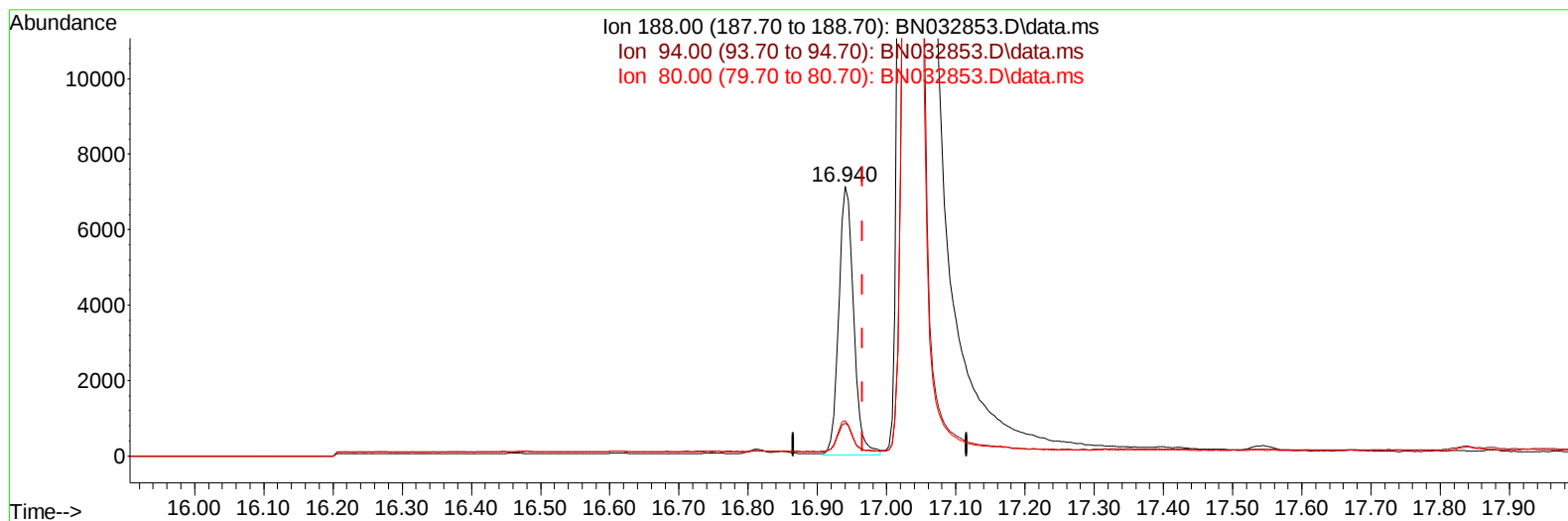
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032853.D
Acq On : 19 Jul 2024 22:26
Operator : MA/JU
Sample : P3178-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT0

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:21:02 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: BN032853.D\data.ms

(13) Phenanthrene-d10 (I)

16.940min (-0.025) 0.40 ng/u1 m

response 10633

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	12.17
80.00	12.00	13.06
0.00	0.00	0.00

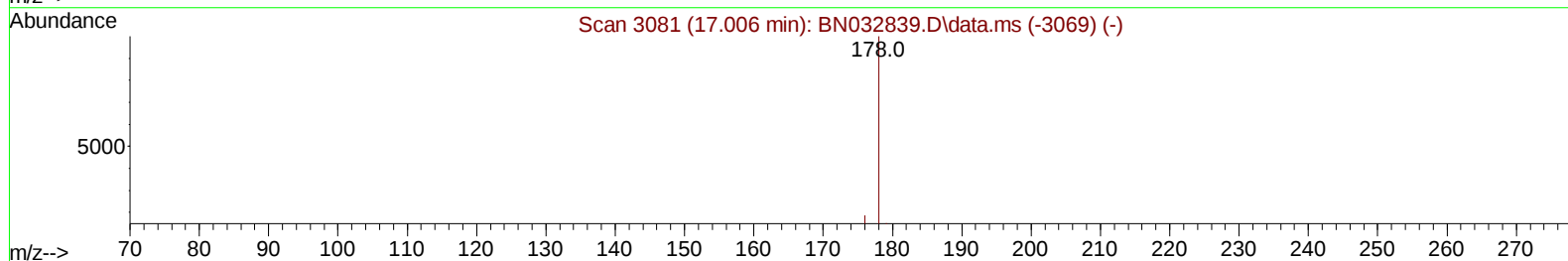
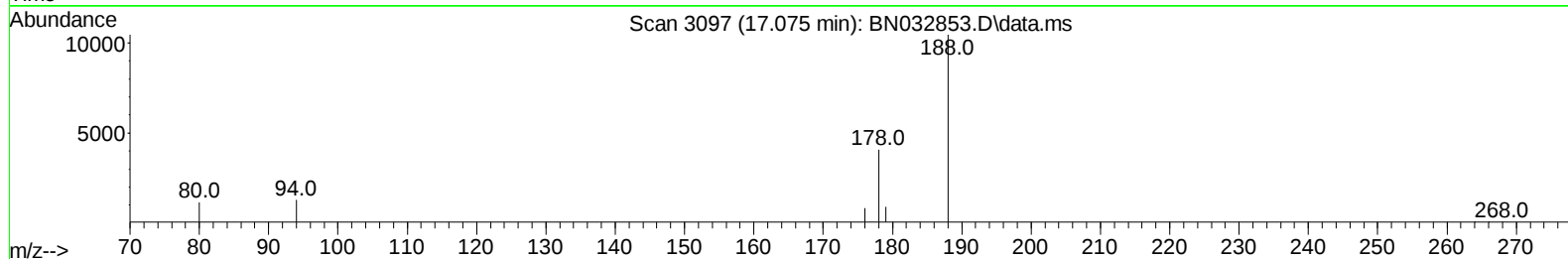
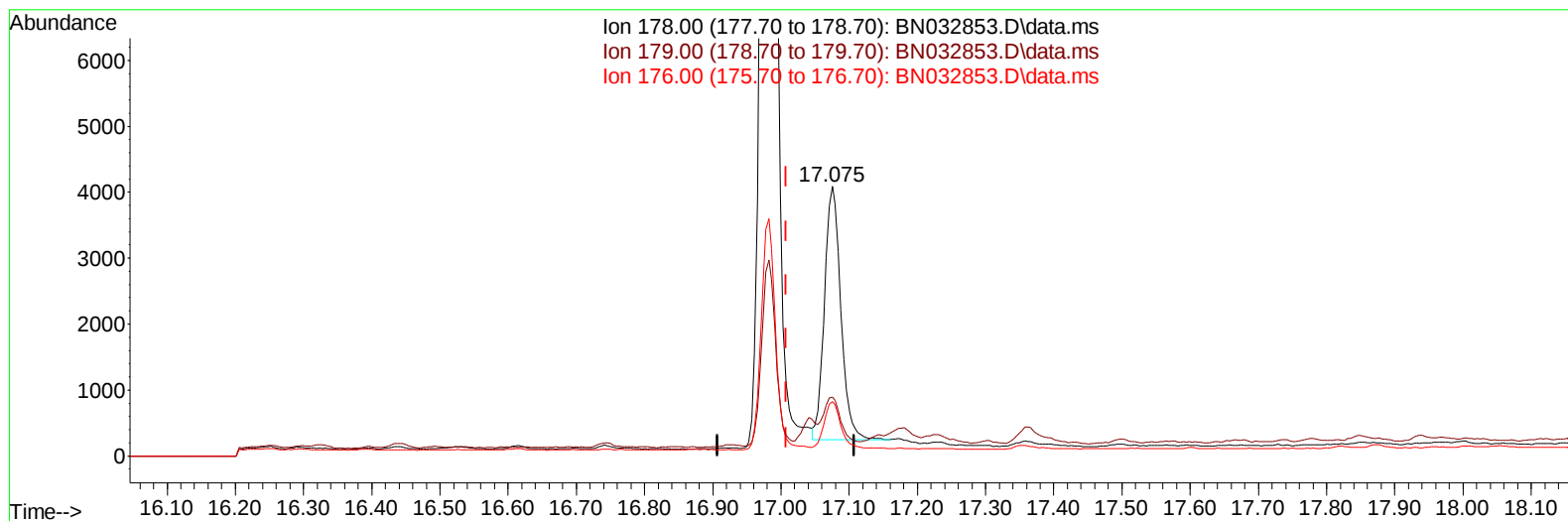
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032853.D
Acq On : 19 Jul 2024 22:26
Operator : MA/JU
Sample : P3178-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT0

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:21:02 2024
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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: BN032853.D\data.ms

(15) Phenanthrene

17.075min (+ 0.067) 0.22 ng/u1

response 6374

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	21.83#
176.00	19.50	20.23
0.00	0.00	0.00

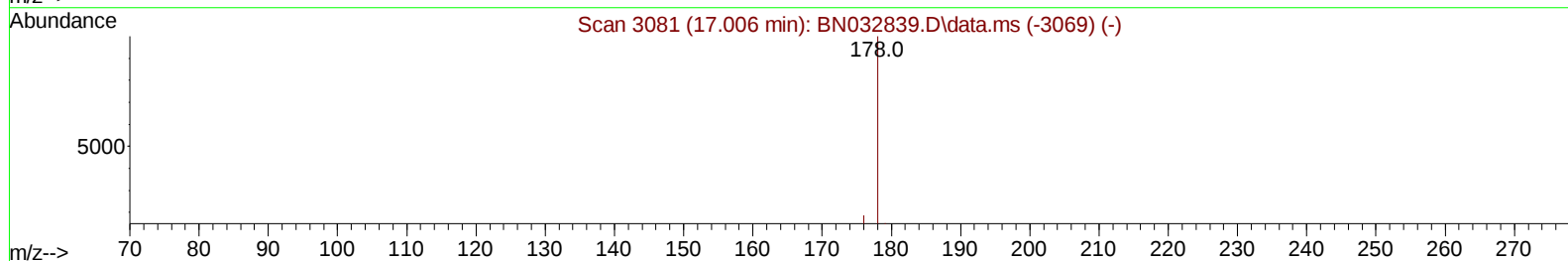
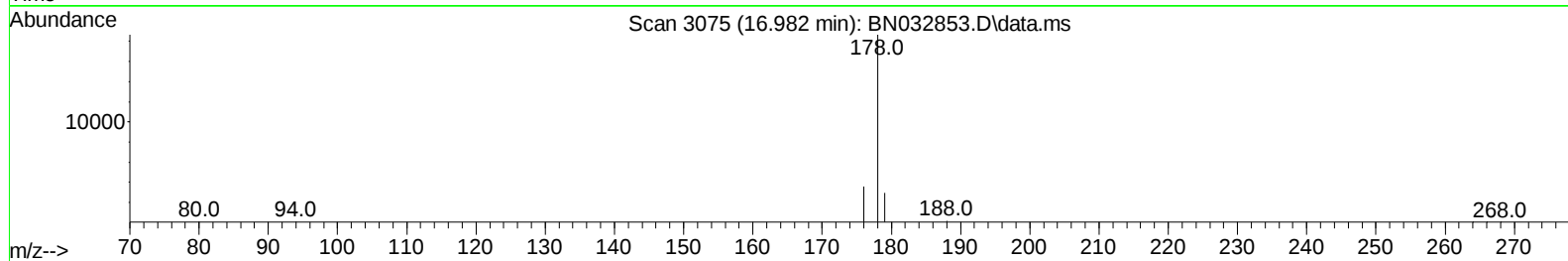
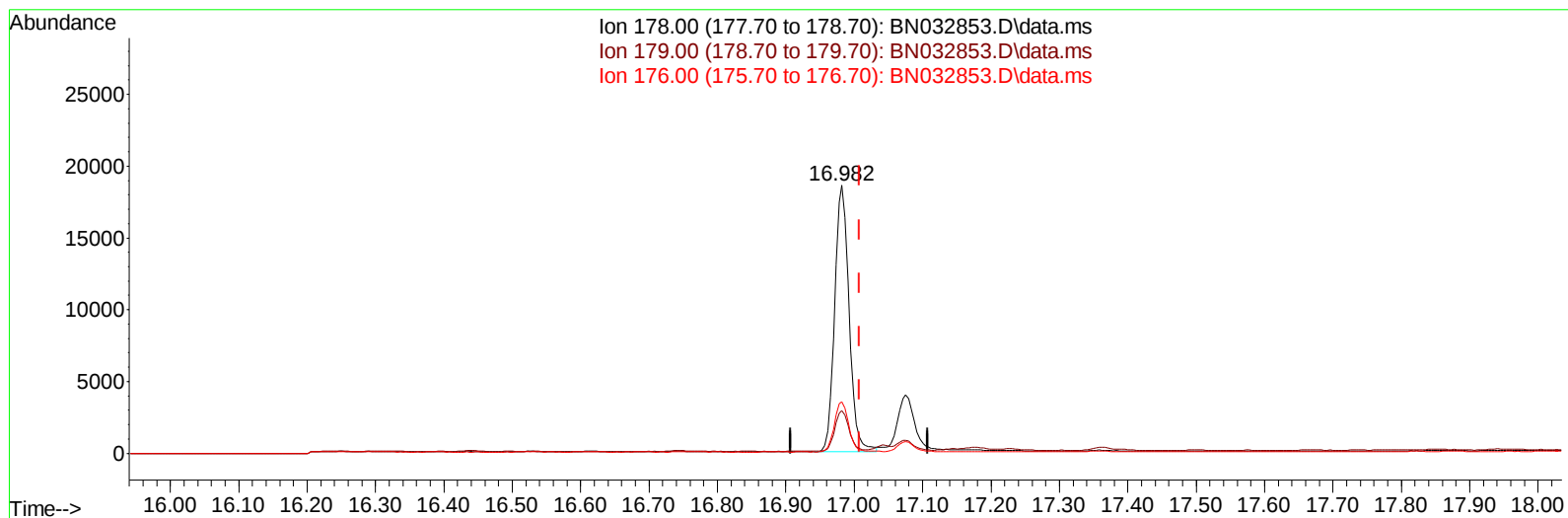
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032853.D
Acq On : 19 Jul 2024 22:26
Operator : MA/JU
Sample : P3178-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT0

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:21:02 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: BN032853.D\data.ms

(15) Phenanthrene

16.982min (-0.025) 0.94 ng/ul m

response 27160

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	15.93
176.00	19.50	19.28
0.00	0.00	0.00

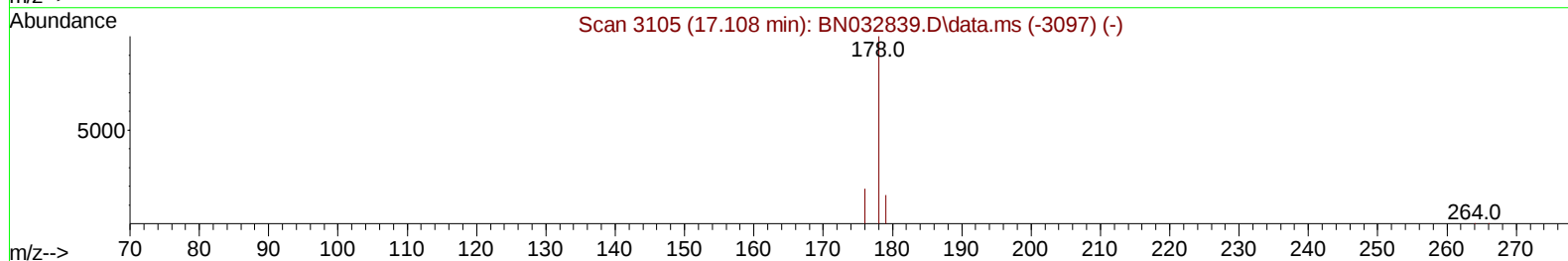
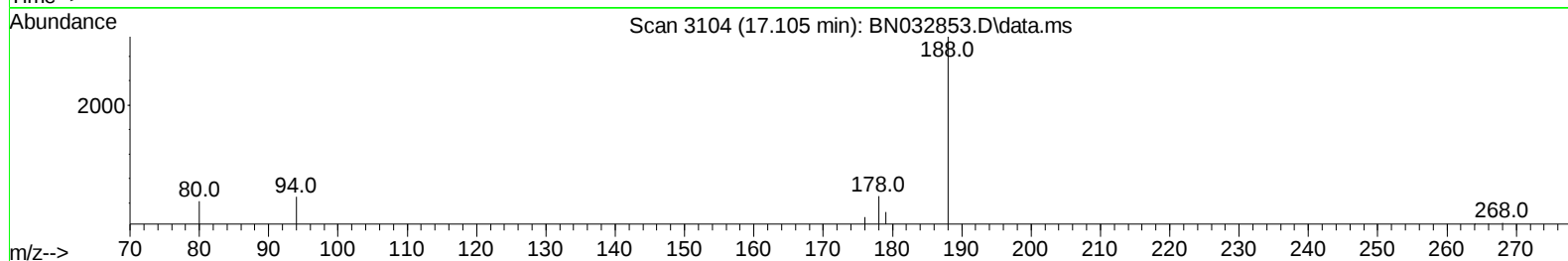
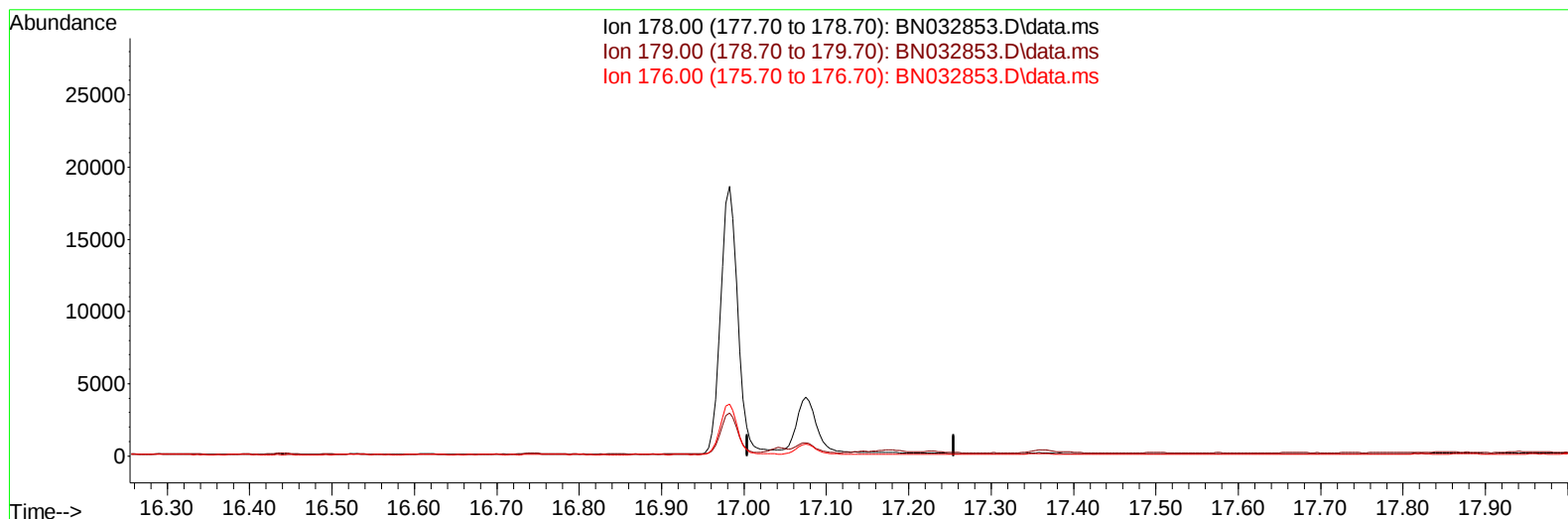
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032853.D
Acq On : 19 Jul 2024 22:26
Operator : MA/JU
Sample : P3178-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT0

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:21:02 2024
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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: BN032853.D\data.ms

(16) Anthracene

17.105min (-17.105) 0.00 ng/u1

response 0

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

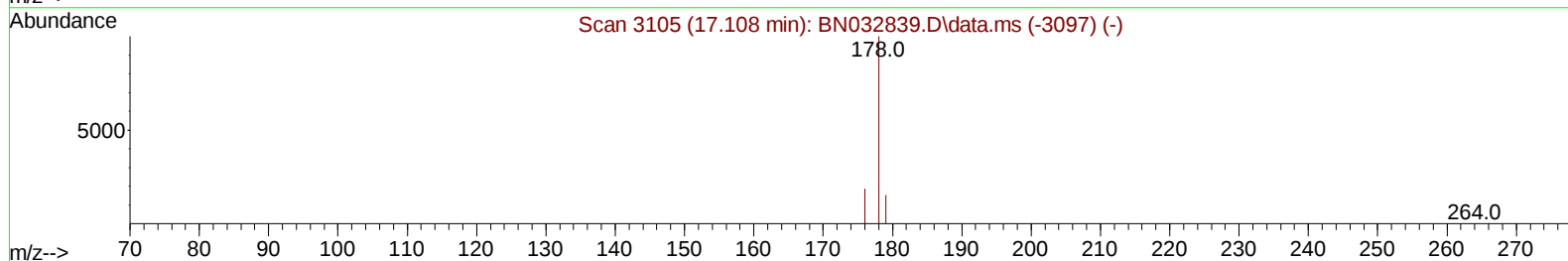
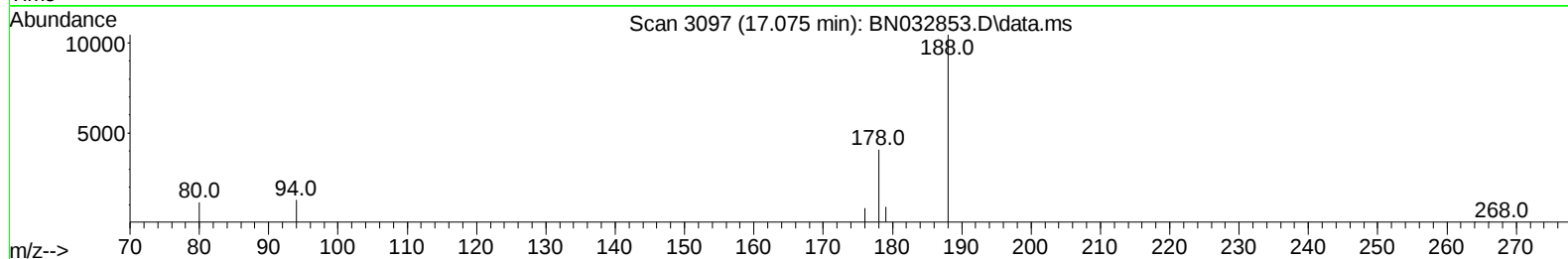
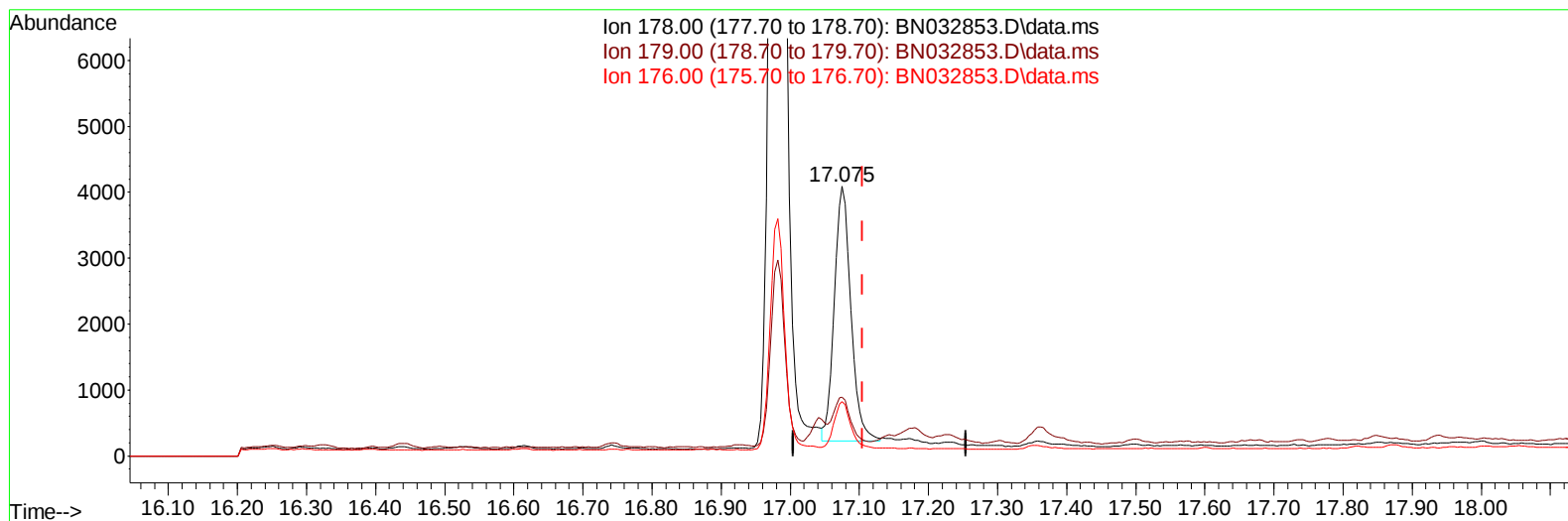
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032853.D
Acq On : 19 Jul 2024 22:26
Operator : MA/JU
Sample : P3178-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT0

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:21:02 2024
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QLast Update : Wed Jul 17 02:35:25 2024
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TIC: BN032853.D\data.ms

(16) Anthracene

17.075min (-0.030) 0.27 ng/ul m

response 6419

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	21.83#
176.00	19.20	20.23
0.00	0.00	0.00

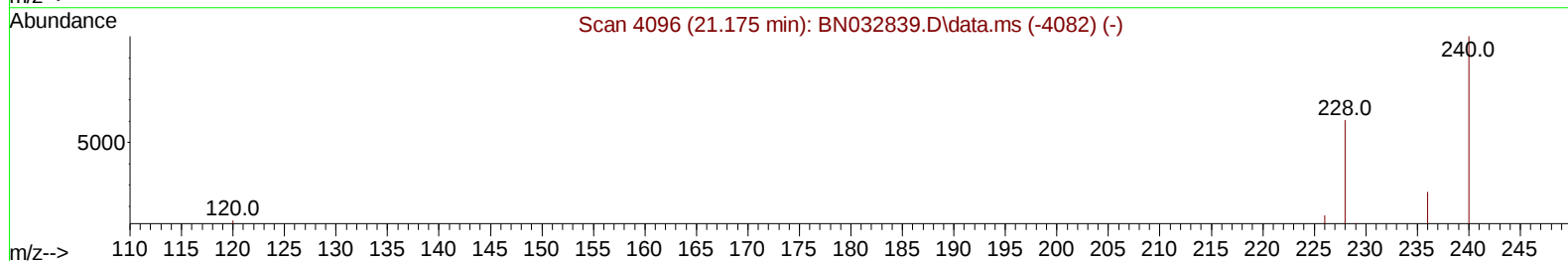
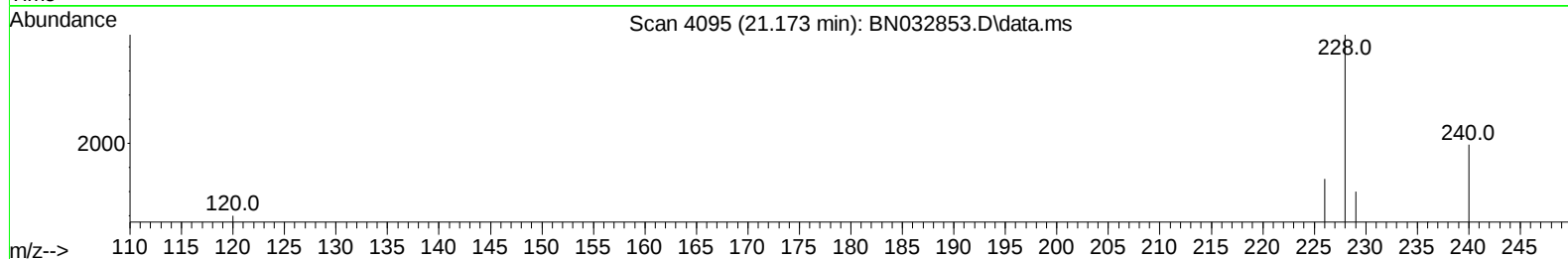
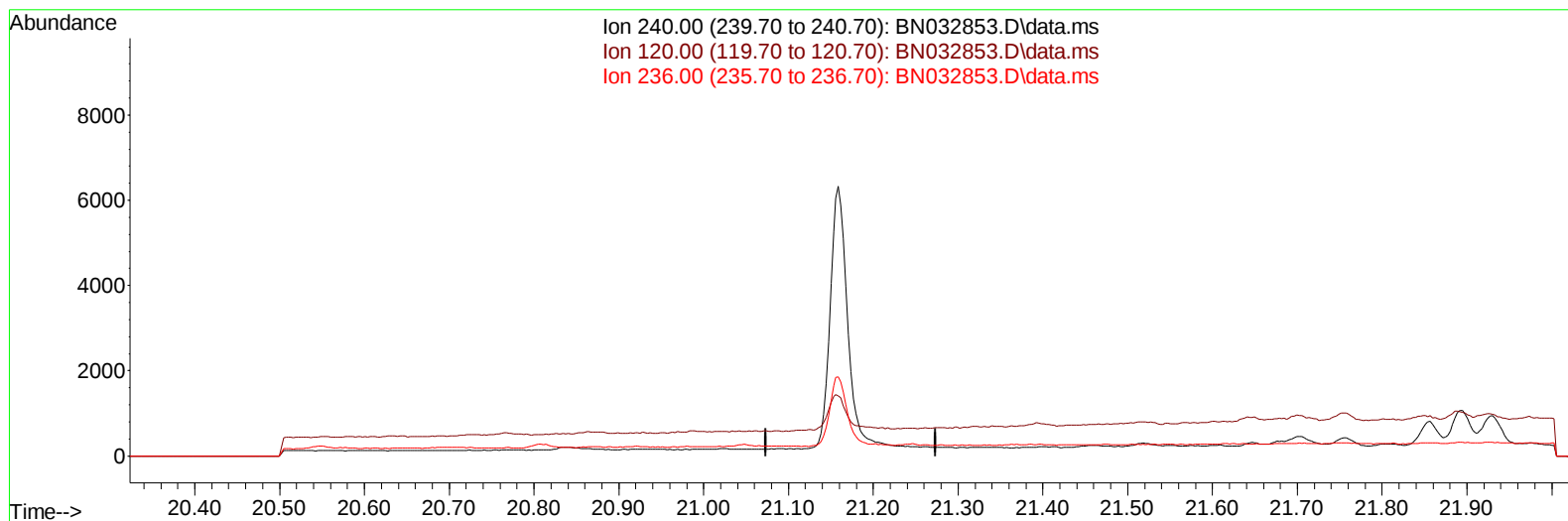
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032853.D
Acq On : 19 Jul 2024 22:26
Operator : MA/JU
Sample : P3178-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT0

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:21:02 2024
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TIC: BN032853.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

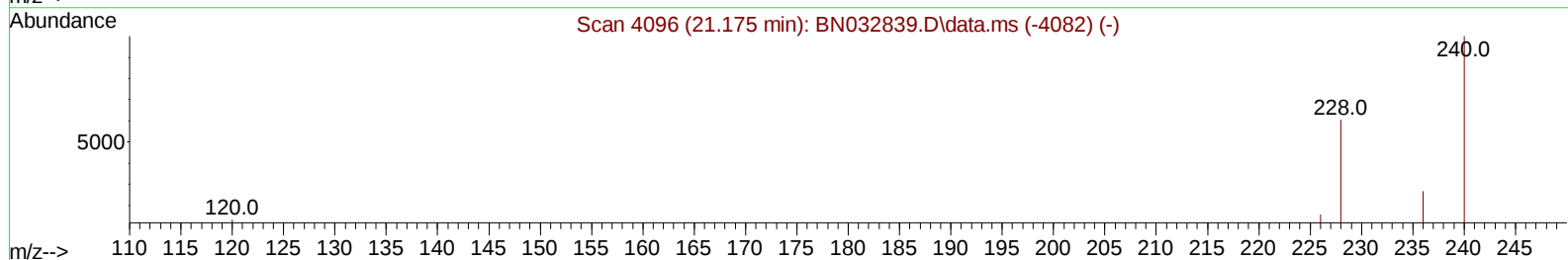
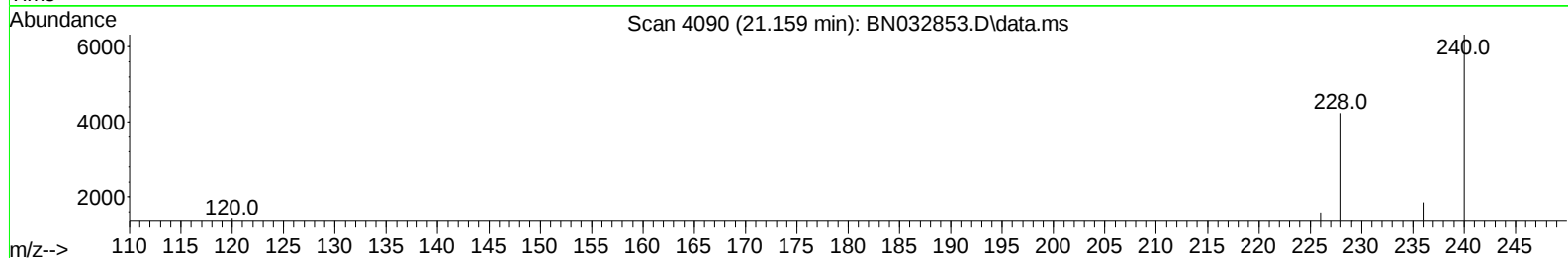
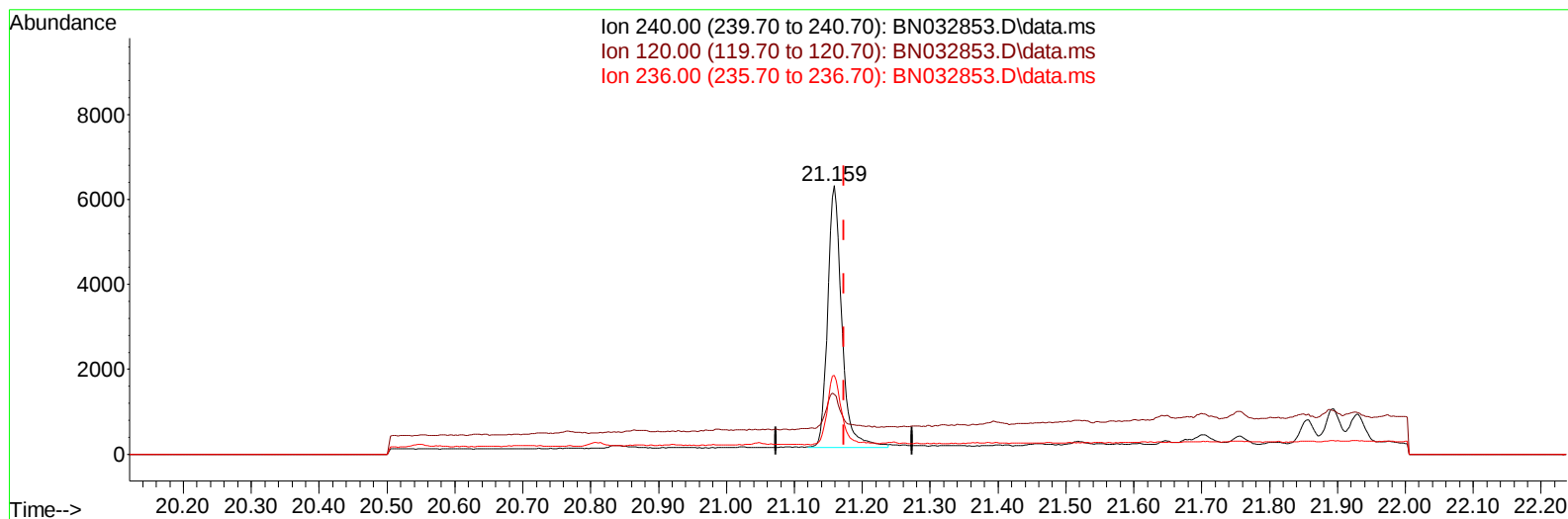
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032853.D
Acq On : 19 Jul 2024 22:26
Operator : MA/JU
Sample : P3178-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT0

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:21:02 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: BN032853.D\data.ms

(17) Chrysene-d12

21.159min (-0.015) 0.40 ng/ul m

response 8971

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.00	22.35#
236.00	28.40	29.46
0.00	0.00	0.00

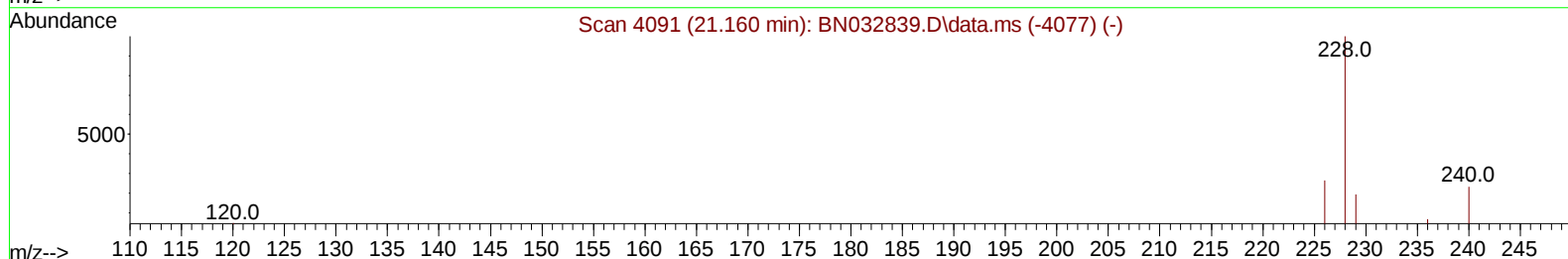
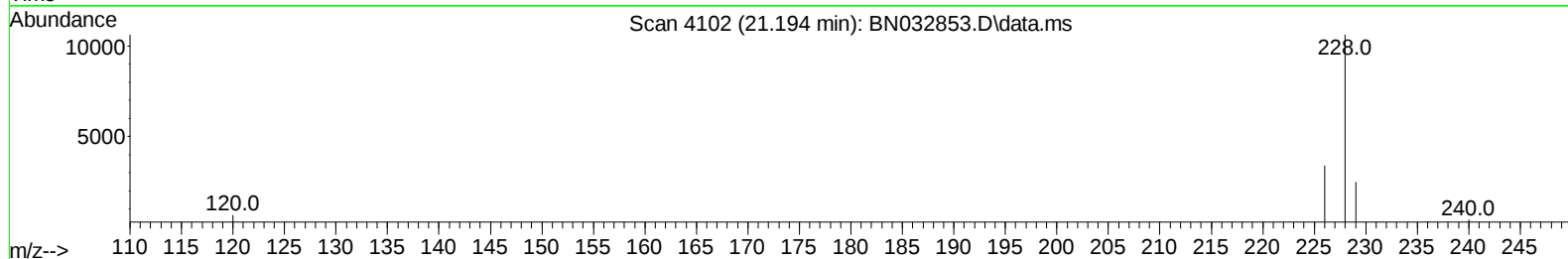
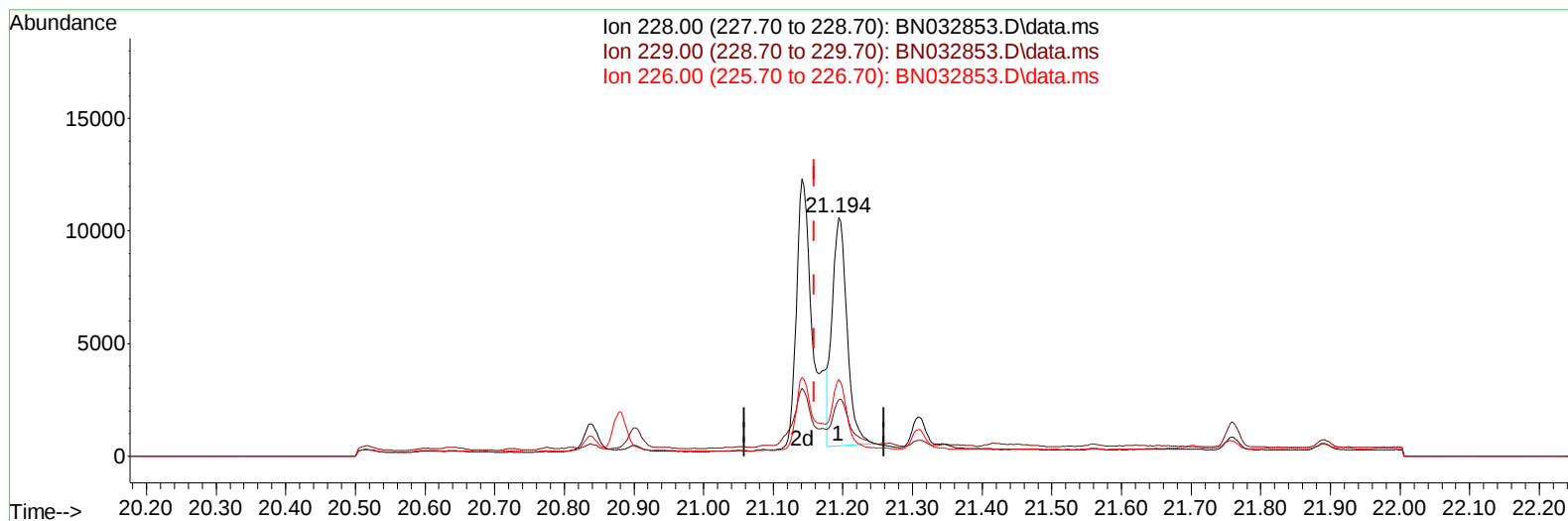
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032853.D
Acq On : 19 Jul 2024 22:26
Operator : MA/JU
Sample : P3178-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT0

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:21:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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TIC: BN032853.D\data.ms

(21) Benzo(a)anthracene

21.194min (+ 0.035) 0.53 ng/u1

response 15155

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.10	23.45
226.00	27.40	31.97
0.00	0.00	0.00

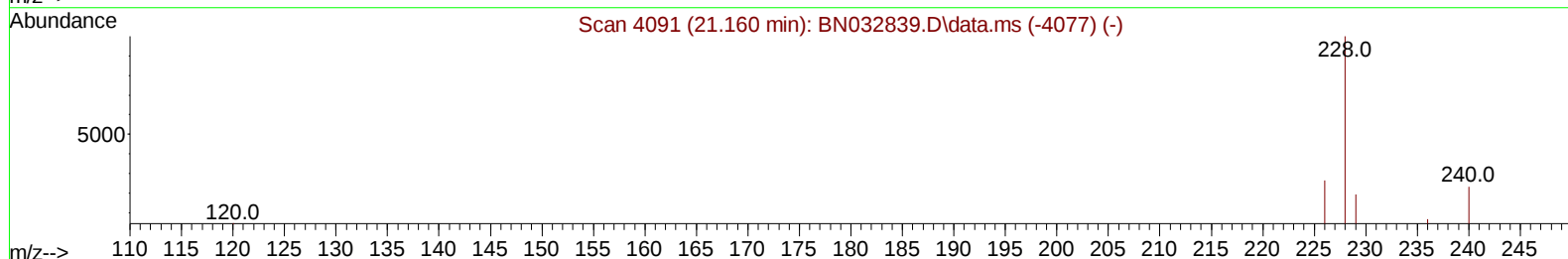
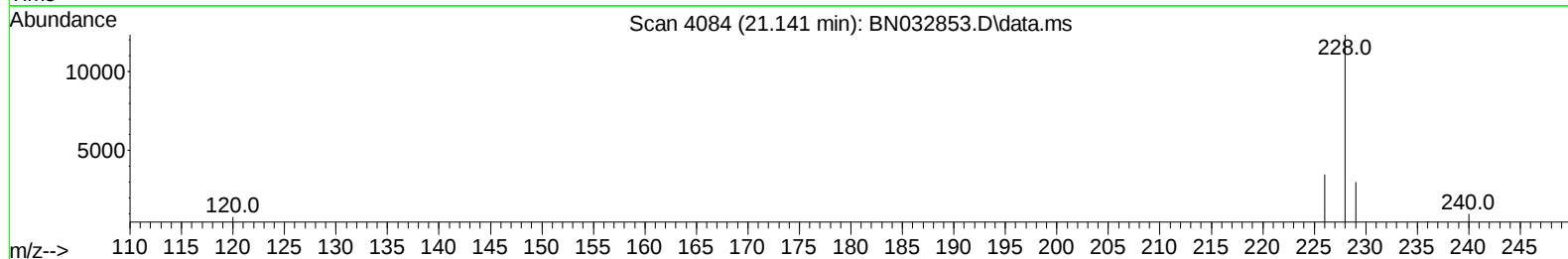
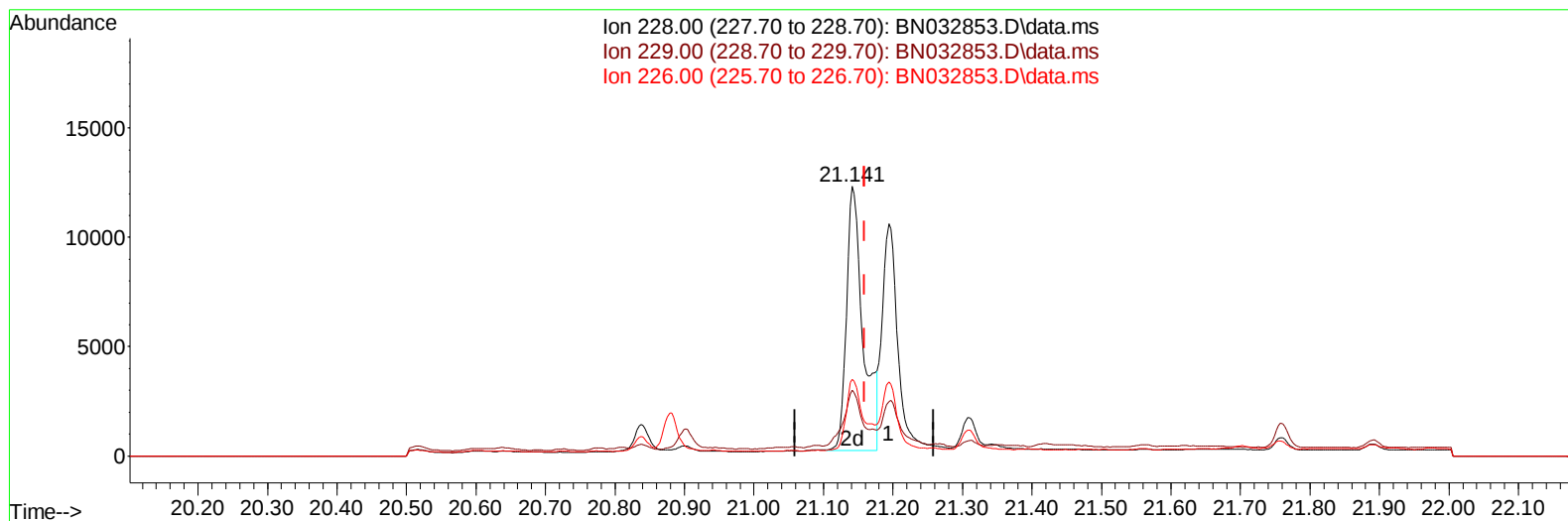
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032853.D
Acq On : 19 Jul 2024 22:26
Operator : MA/JU
Sample : P3178-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT0

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:21:02 2024
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Supervised By :mohammad ahmed 07/22/2024



TIC: BN032853.D\data.ms

(21) Benzo(a)anthracene

21.141min (-0.018) 0.70 ng/u1 m

response 19907

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.10	24.46#
226.00	27.40	28.36
0.00	0.00	0.00

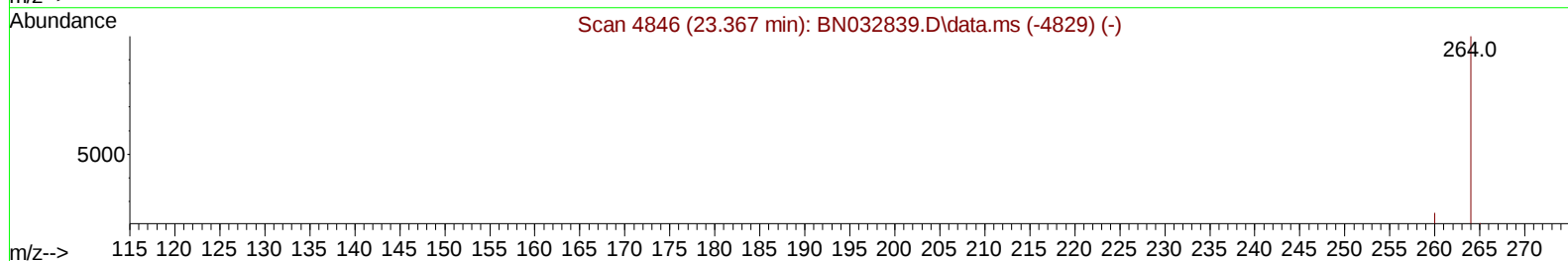
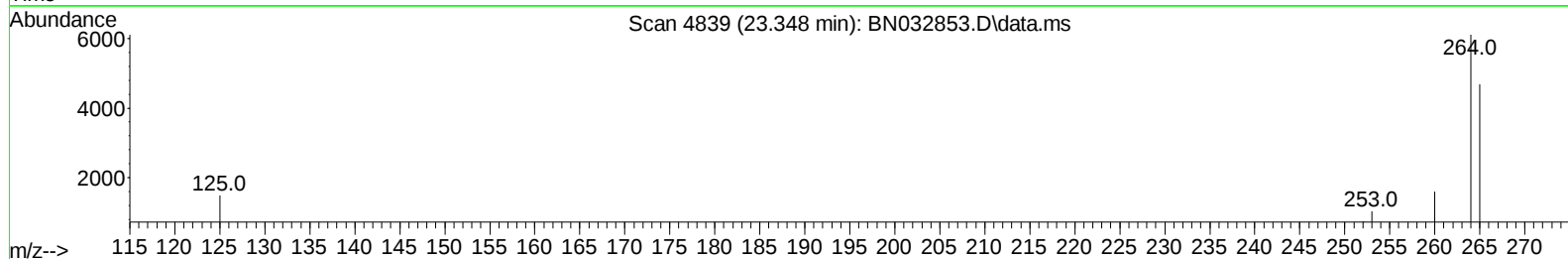
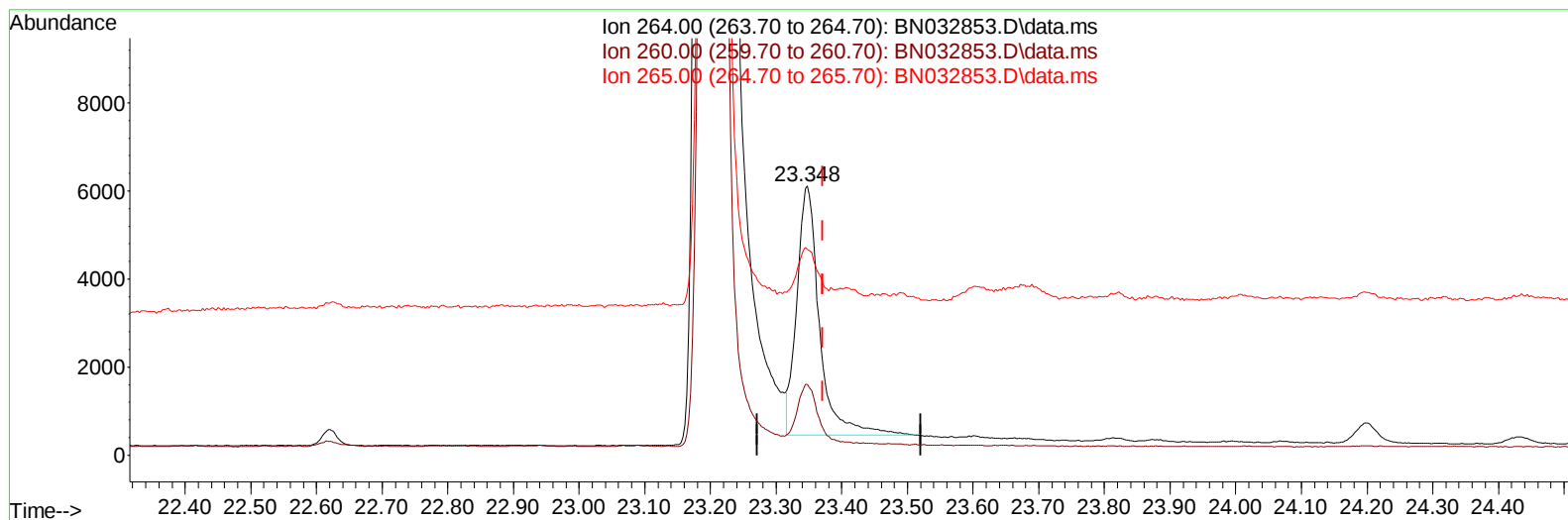
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032853.D
Acq On : 19 Jul 2024 22:26
Operator : MA/JU
Sample : P3178-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT0

Manual IntegrationsAPPROVED

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TIC: BN032853.D\data.ms

(23) Perylene-d12 (I)

23.348min (-0.024) 0.40 ng/u1

response 13423

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	26.30
265.00	95.50	76.56
0.00	0.00	0.00

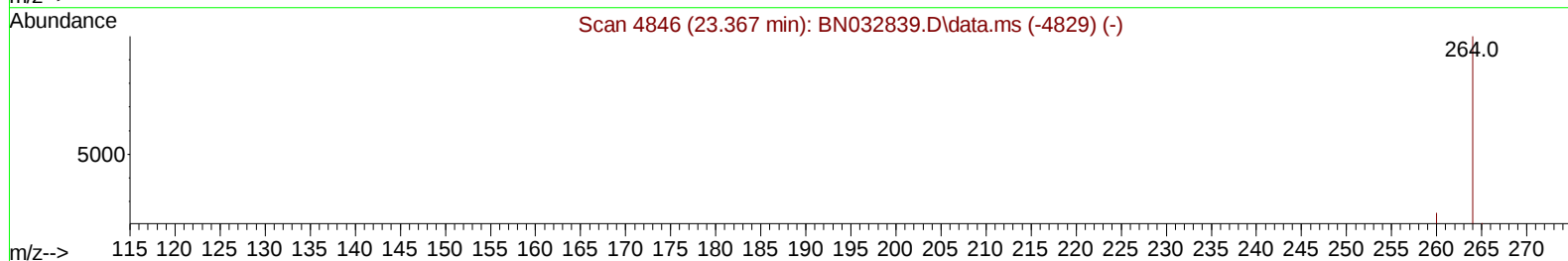
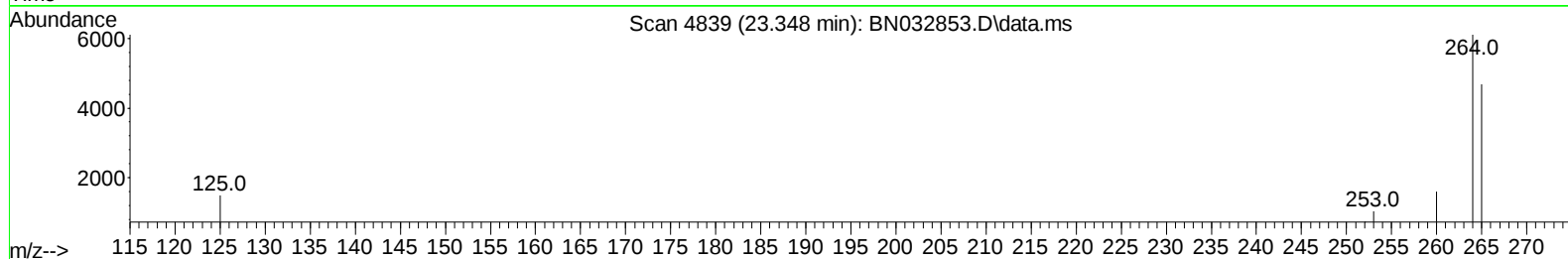
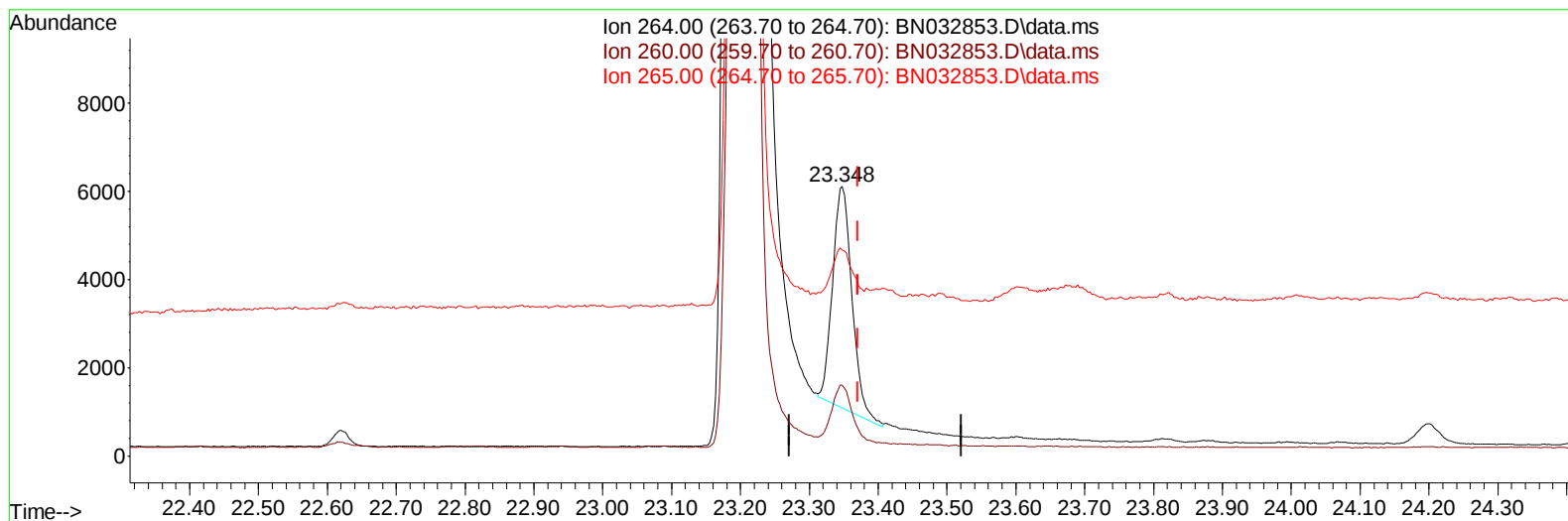
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032853.D
Acq On : 19 Jul 2024 22:26
Operator : MA/JU
Sample : P3178-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT0

Manual IntegrationsAPPROVED

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TIC: BN032853.D\data.ms

(23) Perylene-d12 (I)

23.348min (-0.024) 0.40 ng/ul m

response 9787

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	26.30
265.00	95.50	76.56
0.00	0.00	0.00

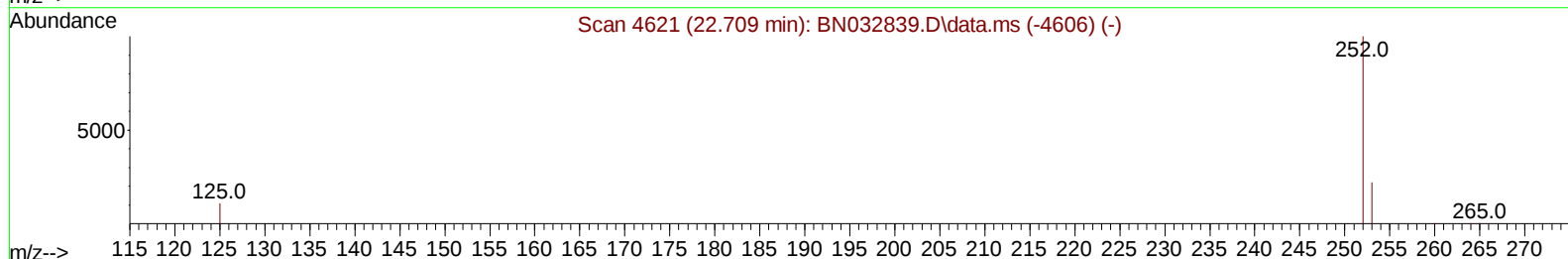
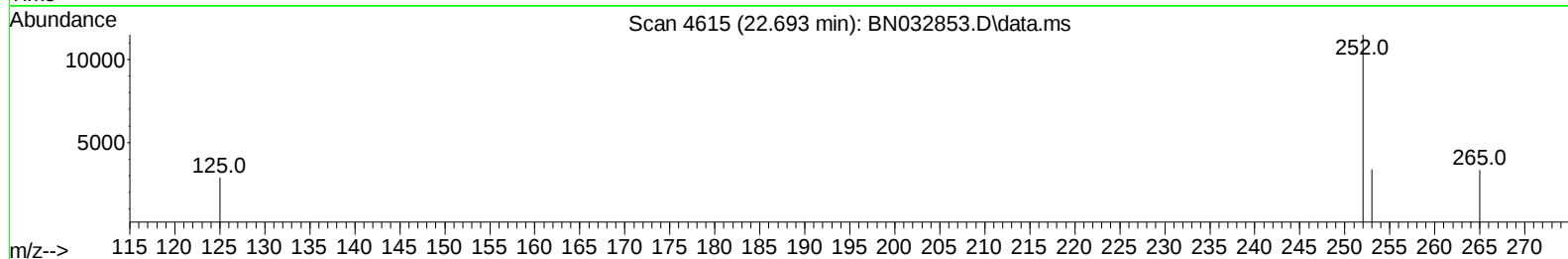
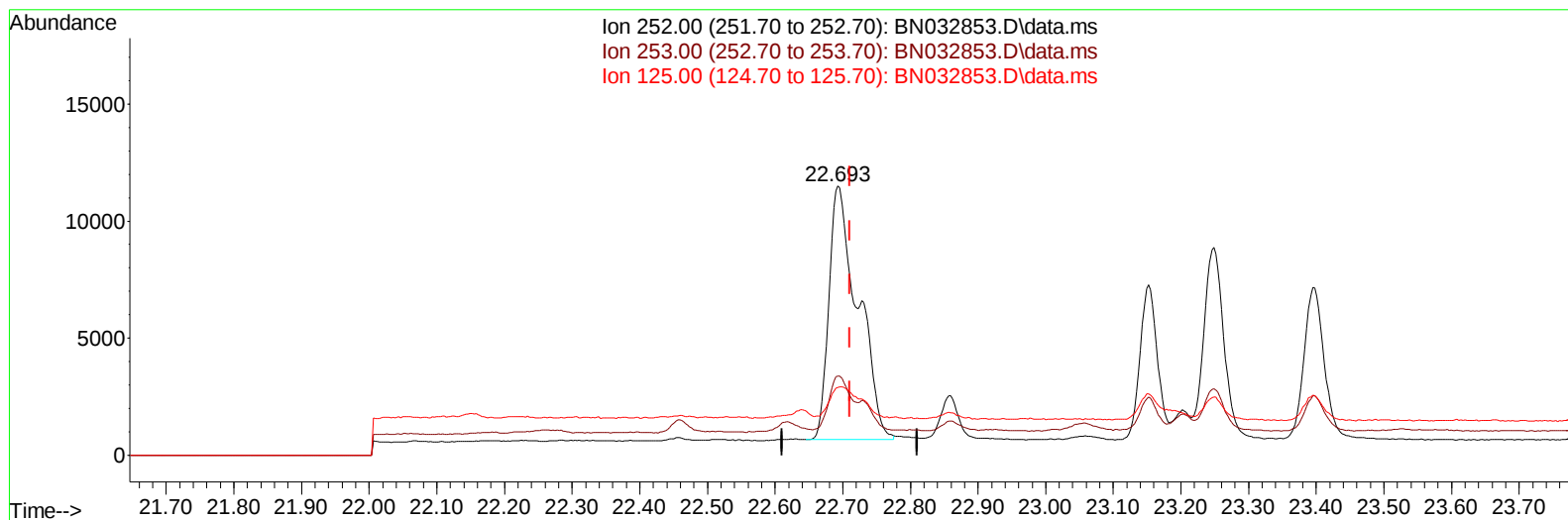
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032853.D
Acq On : 19 Jul 2024 22:26
Operator : MA/JU
Sample : P3178-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT0

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:21:02 2024
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Reviewed By :Yogesh Patel 07/20/2024
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TIC: BN032853.D\data.ms

(24) Benzo(b)fluoranthene

22.693min (-0.018) 0.94 ng/u1

response 32290

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	29.29
125.00	18.00	25.19
0.00	0.00	0.00

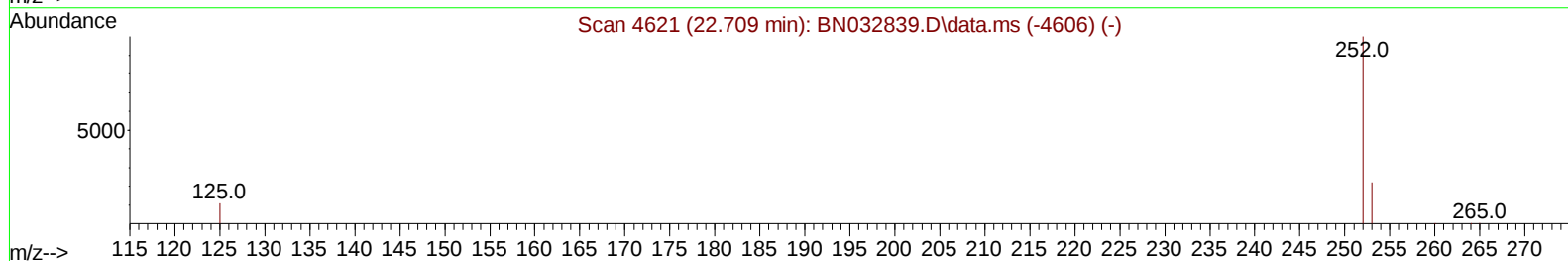
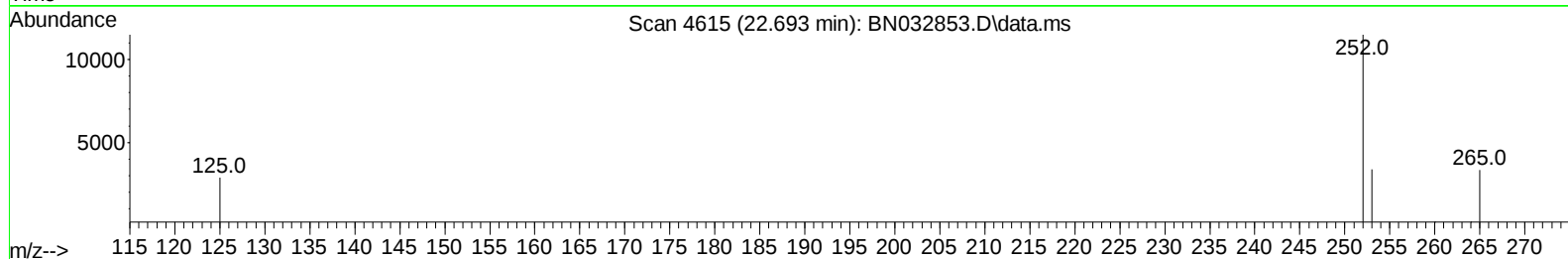
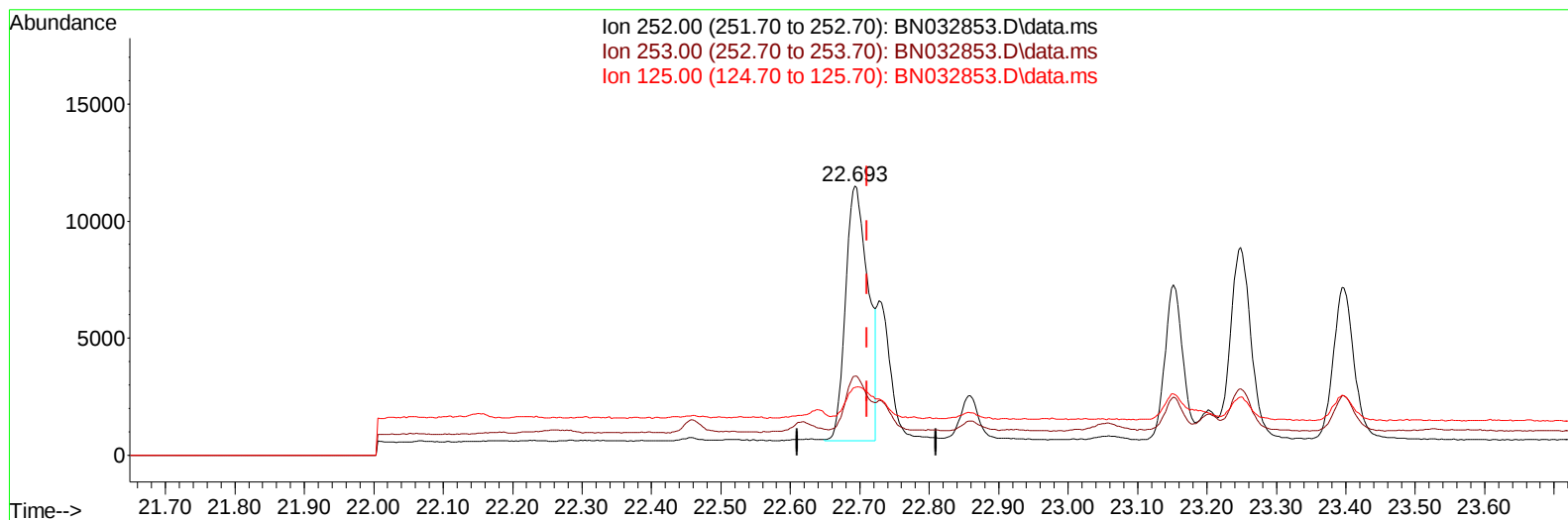
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032853.D
Acq On : 19 Jul 2024 22:26
Operator : MA/JU
Sample : P3178-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT0

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:21:02 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: BN032853.D\data.ms

(24) Benzo(b)fluoranthene

22.693min (-0.018) 0.71 ng/ul m

response 24542

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	29.29
125.00	18.00	25.19
0.00	0.00	0.00

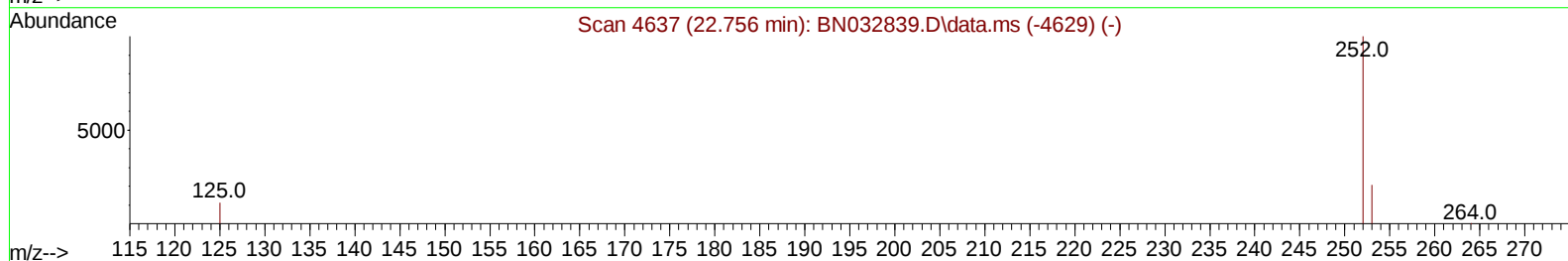
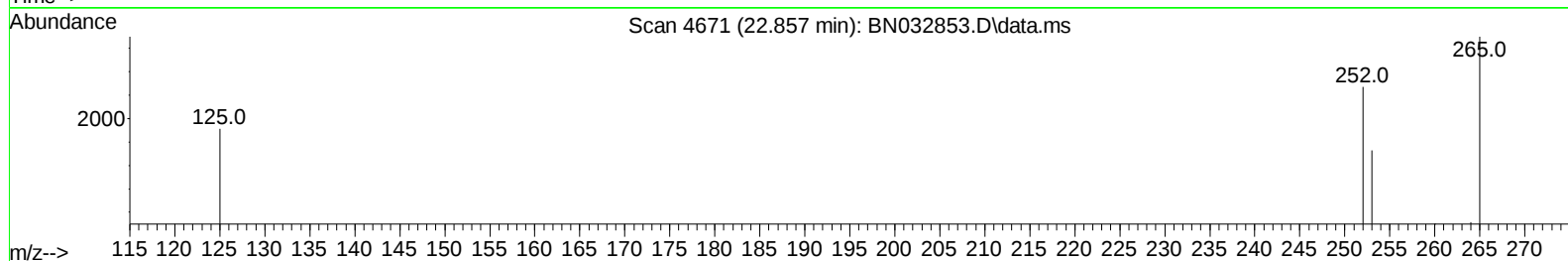
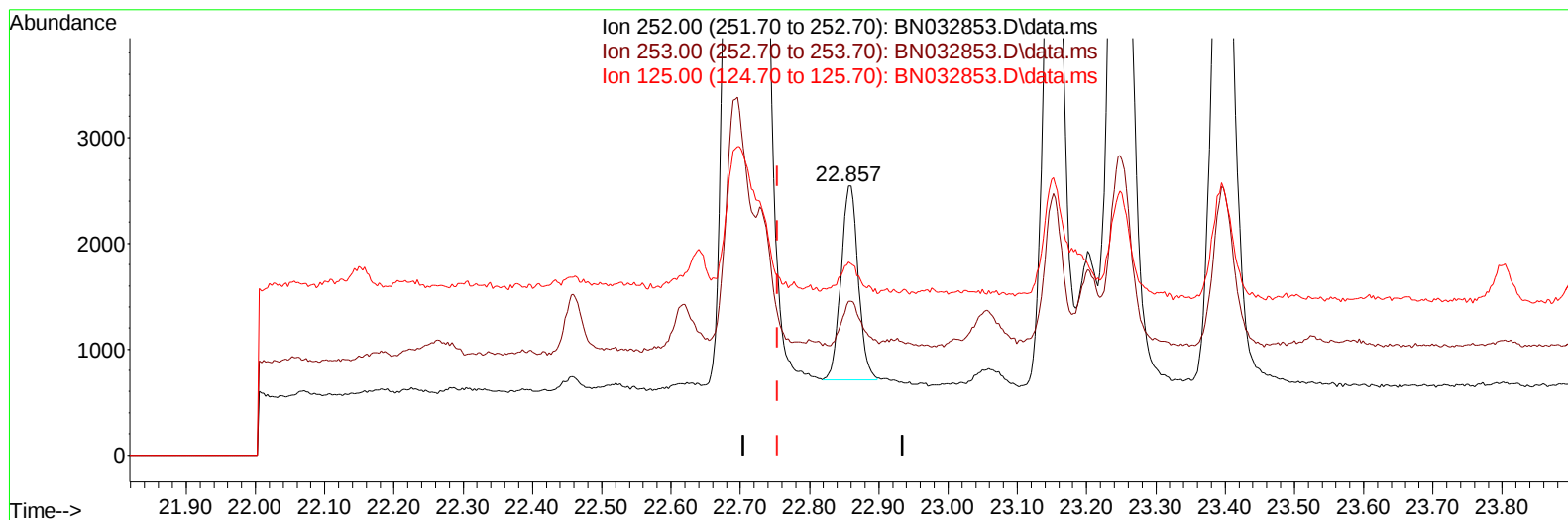
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032853.D
Acq On : 19 Jul 2024 22:26
Operator : MA/JU
Sample : P3178-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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TIC: BN032853.D\data.ms

(25) Benzo(k)fluoranthene

22.857min (+ 0.102) 0.08 ng/u1

response 3163

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	57.18#
125.00	18.50	71.90#
0.00	0.00	0.00

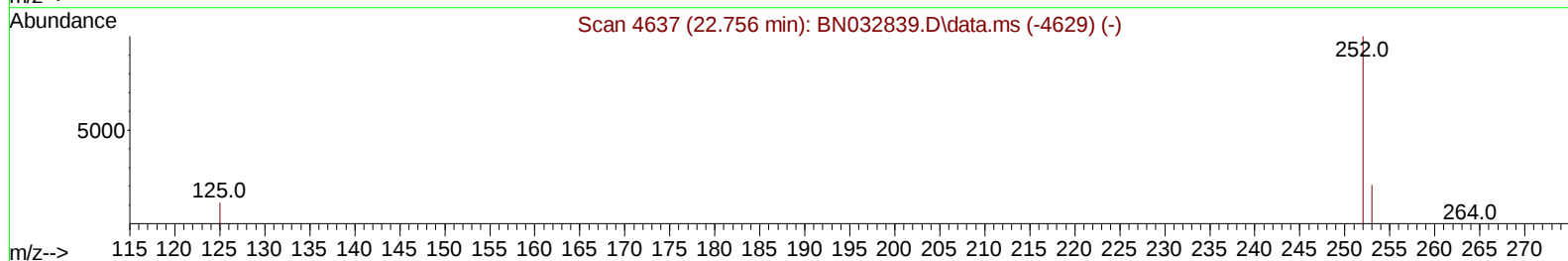
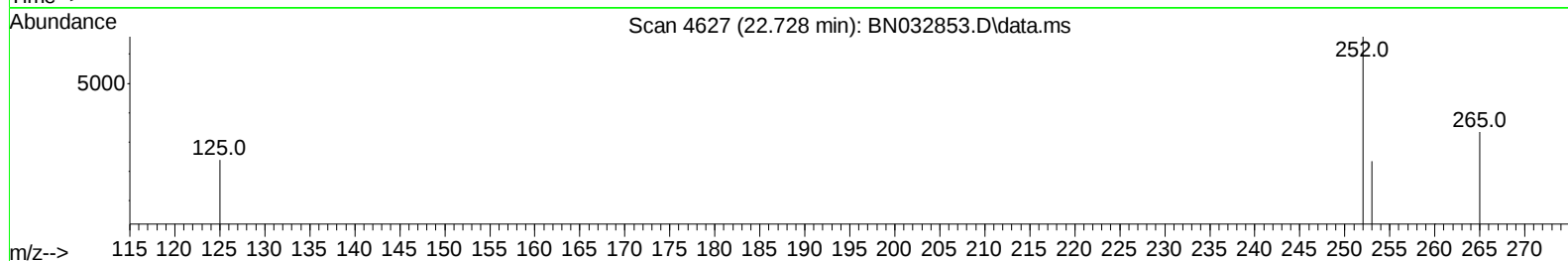
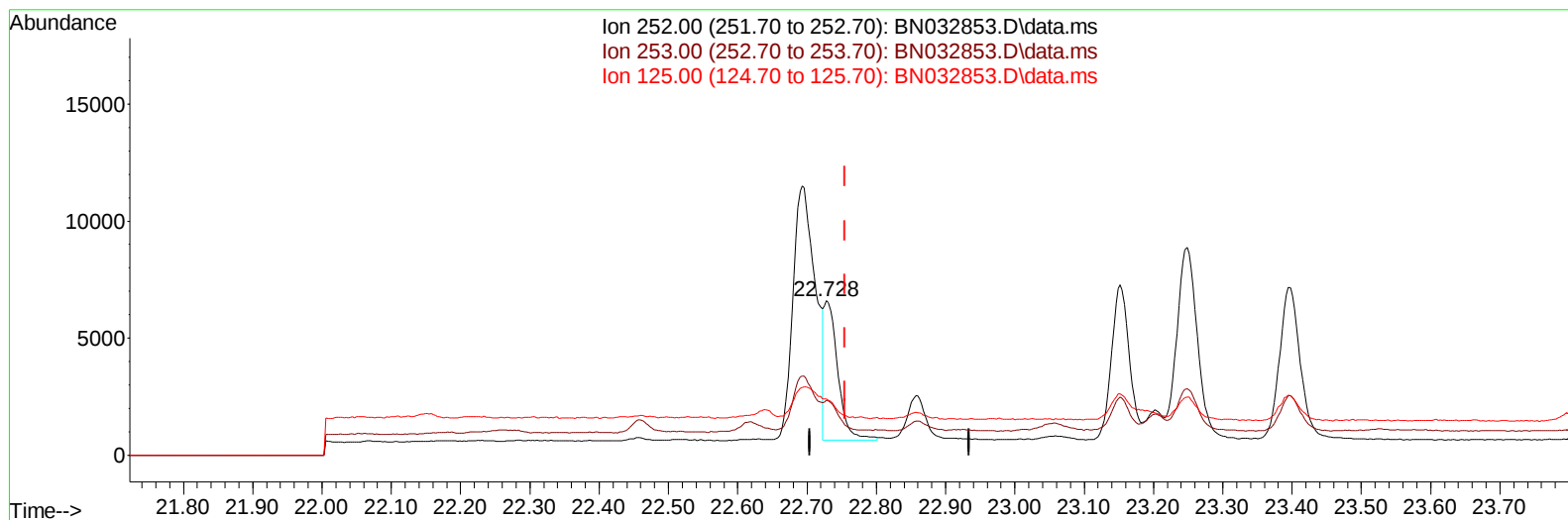
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032853.D
Acq On : 19 Jul 2024 22:26
Operator : MA/JU
Sample : P3178-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT0

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:21:02 2024
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TIC: BN032853.D\data.ms

(25) Benzo(k)fluoranthene

22.728min (-0.026) 0.19 ng/u1 m

response 8189

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	35.57#
125.00	18.50	36.36#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
 Data File : BN032853.D
 Acq On : 19 Jul 2024 22:26
 Operator : MA/JU
 Sample : P3178-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4BT0

Manual IntegrationsAPPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.527	152	3709	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.299	136	11357	0.400	ng/ul	-0.03
9) Acenaphthene-d10	14.179	164	6056	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.940	188	10633m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.159	240	8971m	0.400	ng/ul	-0.01
23) Perylene-d12	23.348	264	9787m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.089	96	13010	2.921	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.905	152	3448	0.201	ng/ul	-0.03
18) Fluoranthene-d10	18.985	212	6317	0.216	ng/ul	-0.02
Target Compounds						
					Qvalue	
5) Naphthalene	10.349	128	2207	0.072	ng/ul#	89
7) 2-Methylnaphthalene	11.982	142	614	0.032	ng/ul	95
8) 1-Methylnaphthalene	12.202	142	404	0.021	ng/ul	98
10) Acenaphthylene	13.901	152	990	0.040	ng/ul#	71
11) Acenaphthene	14.244	153	2310	0.114	ng/ul	99
12) Fluorene	15.238	166	2196	0.095	ng/ul#	97
15) Phenanthrene	16.982	178	27160m	0.938	ng/ul	
16) Anthracene	17.075	178	6419m	0.271	ng/ul	
19) Fluoranthene	19.013	202	40890	1.121	ng/ul	99
20) Pyrene	19.380	202	36029	0.954	ng/ul	99
21) Benzo(a)anthracene	21.141	228	19907m	0.697	ng/ul	
22) Chrysene	21.194	228	15771	0.382	ng/ul	95
24) Benzo(b)fluoranthene	22.693	252	24542m	0.711	ng/ul	
25) Benzo(k)fluoranthene	22.728	252	8189m	0.195	ng/ul	
26) Benzo(a)pyrene	23.248	252	16756	0.561	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	25.559	276	11668	0.288	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.556	278	2742	0.087	ng/ul#	15
29) Benzo(g,h,i)perylene	26.243	276	11517	0.341	ng/ul#	89

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

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