

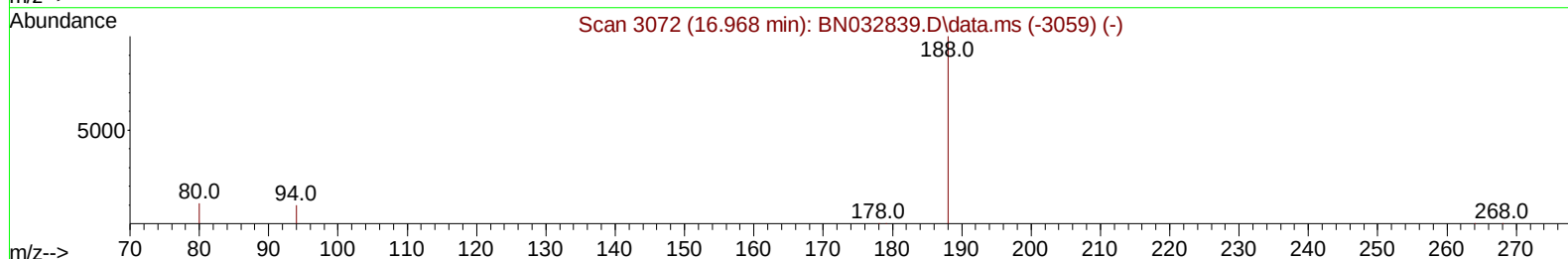
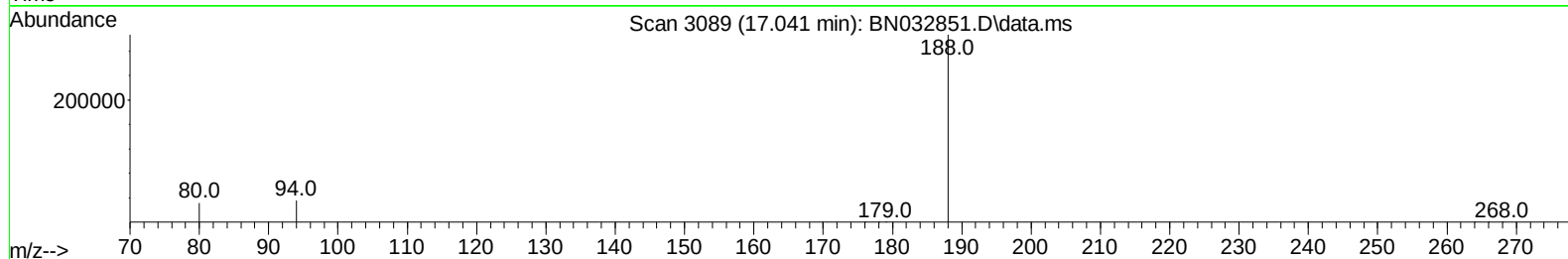
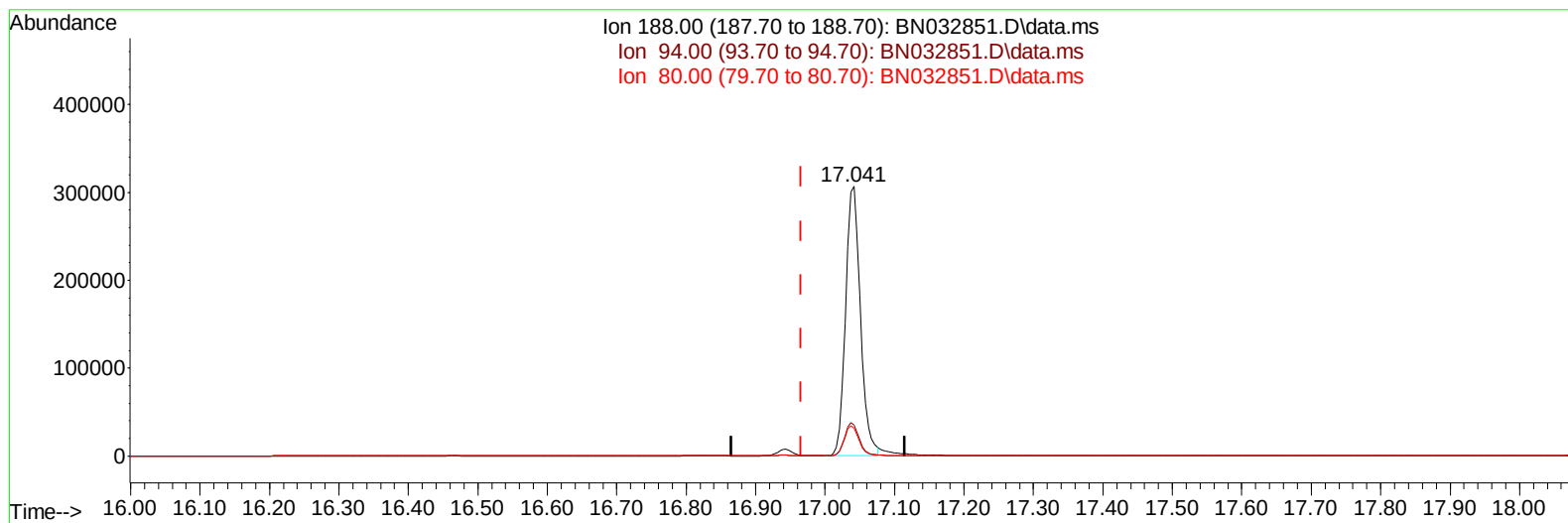
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032851.D
Acq On : 19 Jul 2024 21:13
Operator : MA/JU
Sample : P3178-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BW0

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:39 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: BN032851.D\data.ms

(13) Phenanthrene-d10 (I)

17.041min (+ 0.076) 0.40 ng/ul

response 455924

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	11.54
80.00	12.00	10.33
0.00	0.00	0.00

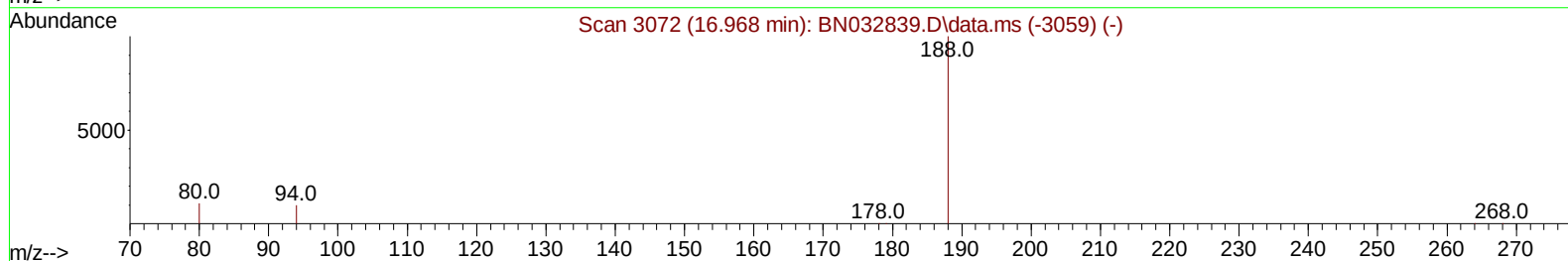
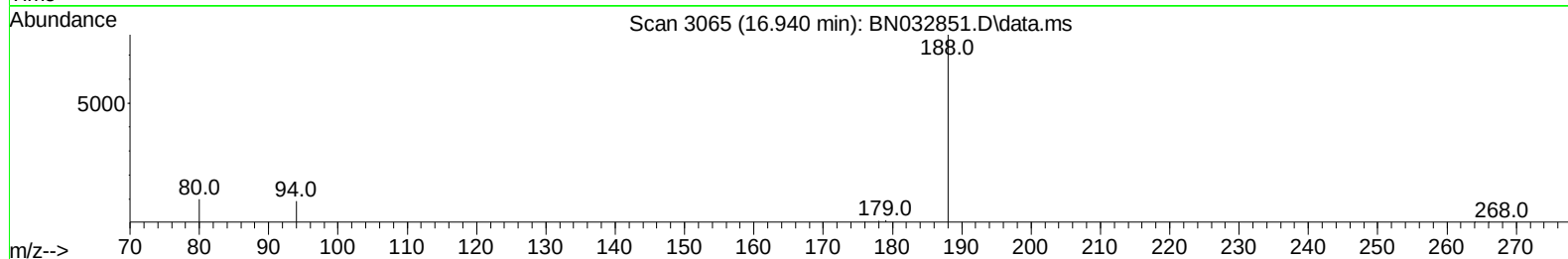
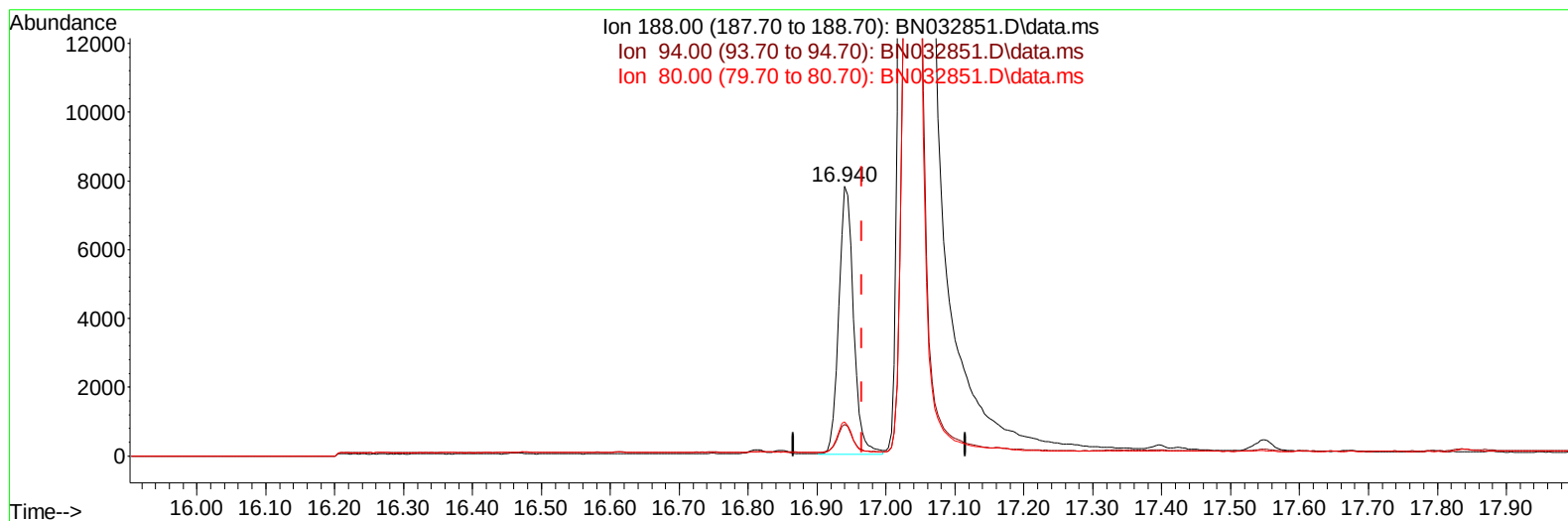
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032851.D
Acq On : 19 Jul 2024 21:13
Operator : MA/JU
Sample : P3178-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BW0

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:39 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: BN032851.D\data.ms

(13) Phenanthrene-d10 (I)

16.940min (-0.025) 0.40 ng/ul m

response 11519

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	11.79
80.00	12.00	12.75
0.00	0.00	0.00

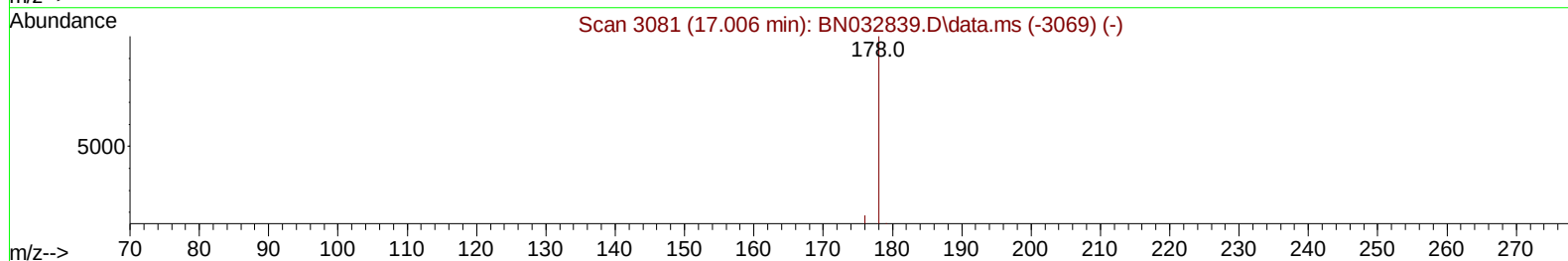
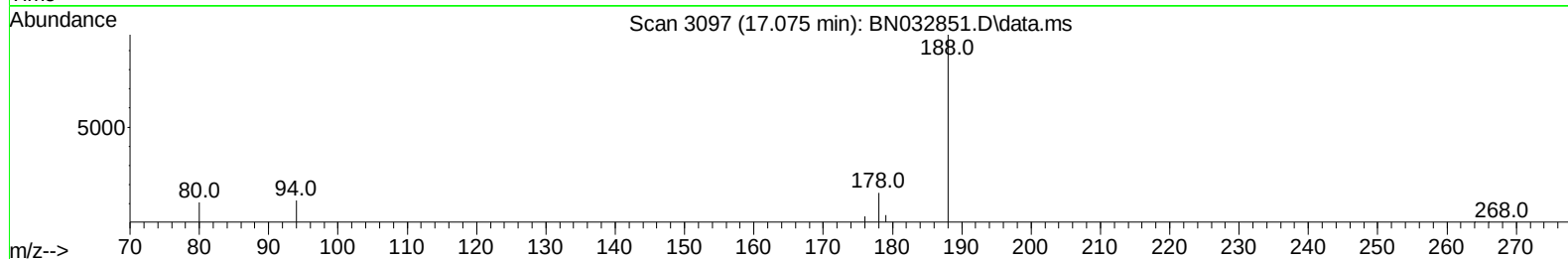
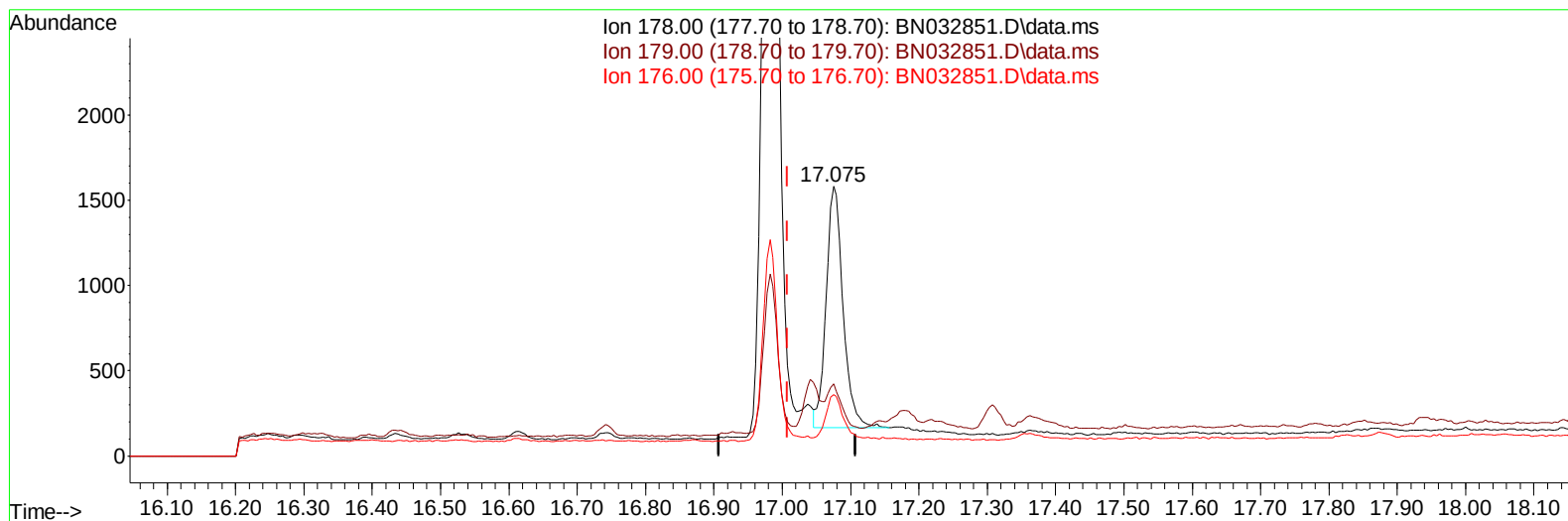
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032851.D
Acq On : 19 Jul 2024 21:13
Operator : MA/JU
Sample : P3178-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BW0

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:39 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
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Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



TIC: BN032851.D\data.ms

(15) Phenanthrene

17.075min (+ 0.067) 0.08 ng/u1

response 2442

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	26.84#
176.00	19.50	22.72
0.00	0.00	0.00

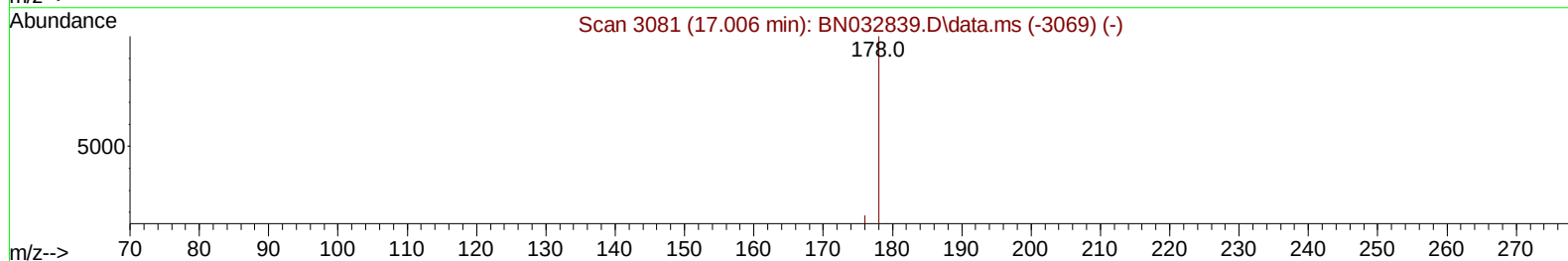
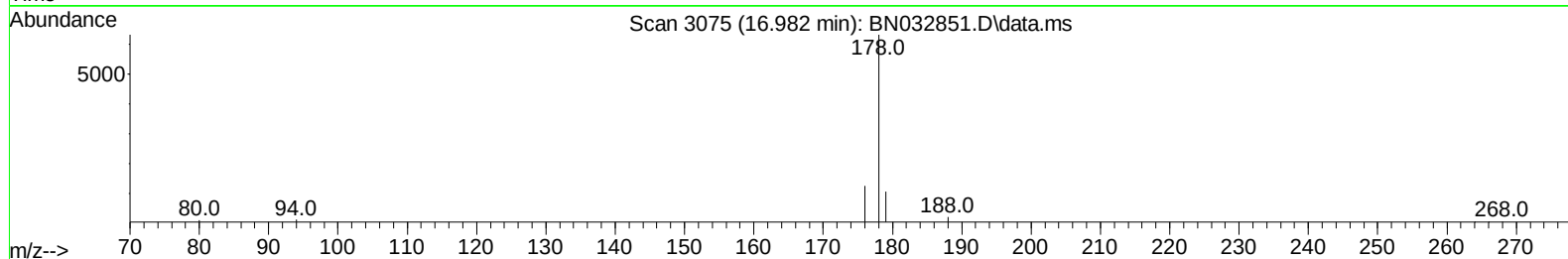
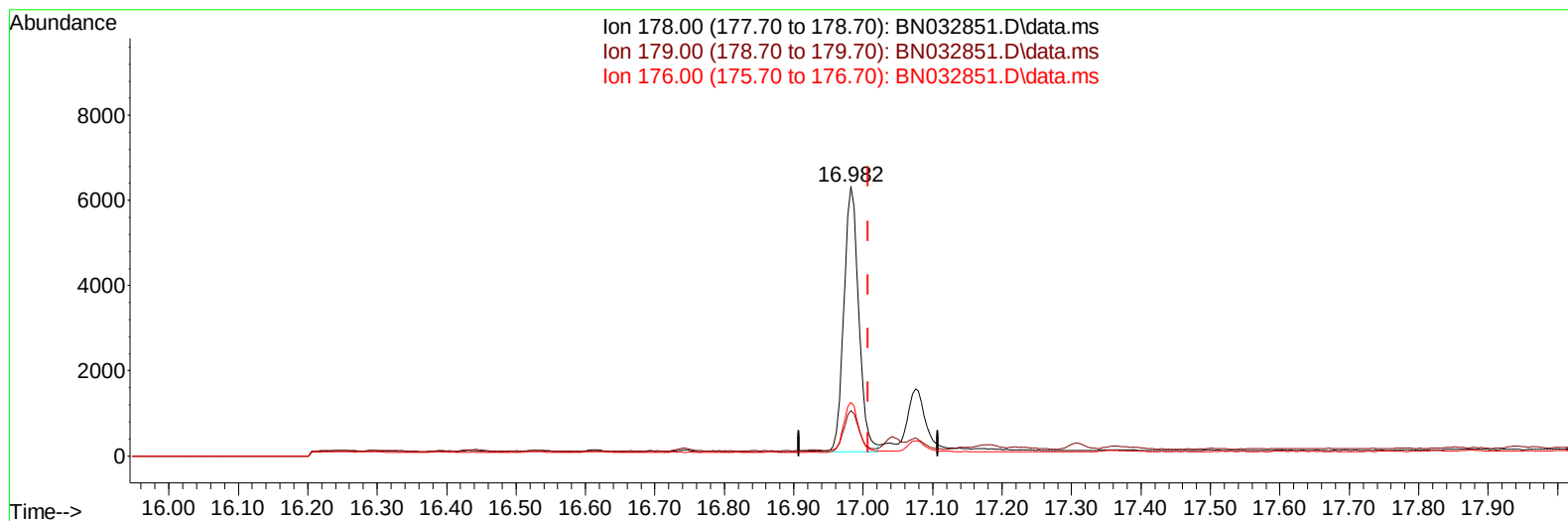
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032851.D
Acq On : 19 Jul 2024 21:13
Operator : MA/JU
Sample : P3178-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BW0

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:39 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: BN032851.D\data.ms

(15) Phenanthrene

16.982min (-0.025) 0.29 ng/ul m

response 9186

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	16.90
176.00	19.50	20.03
0.00	0.00	0.00

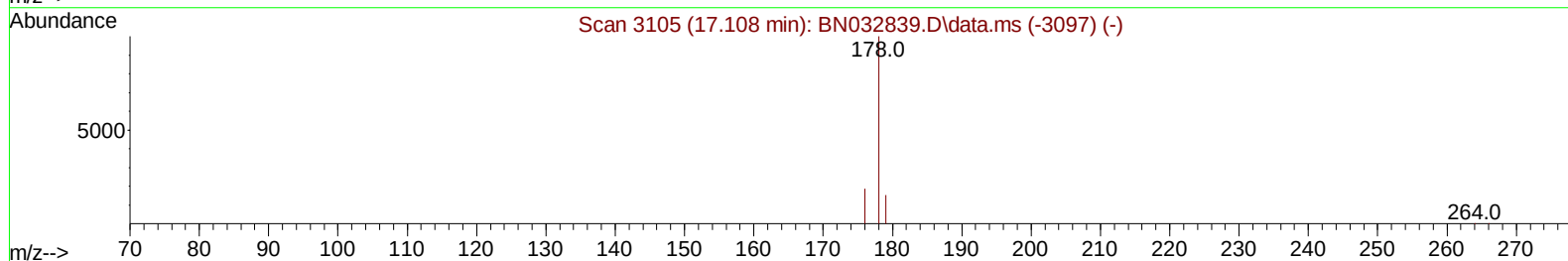
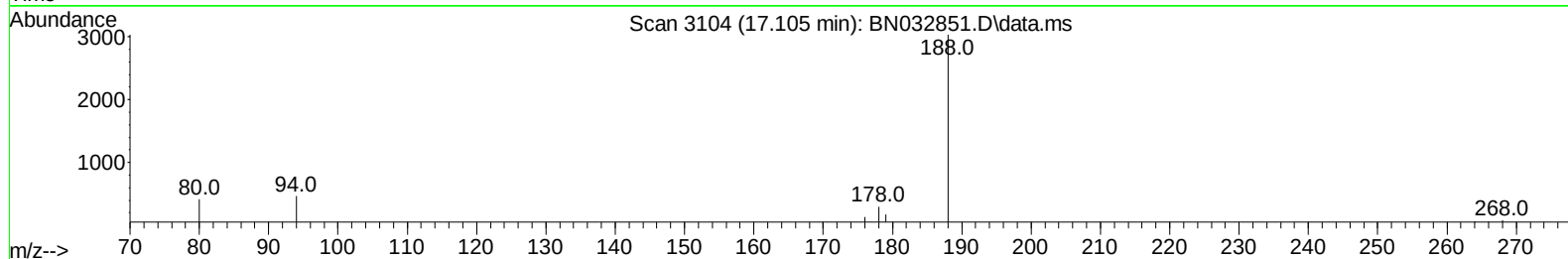
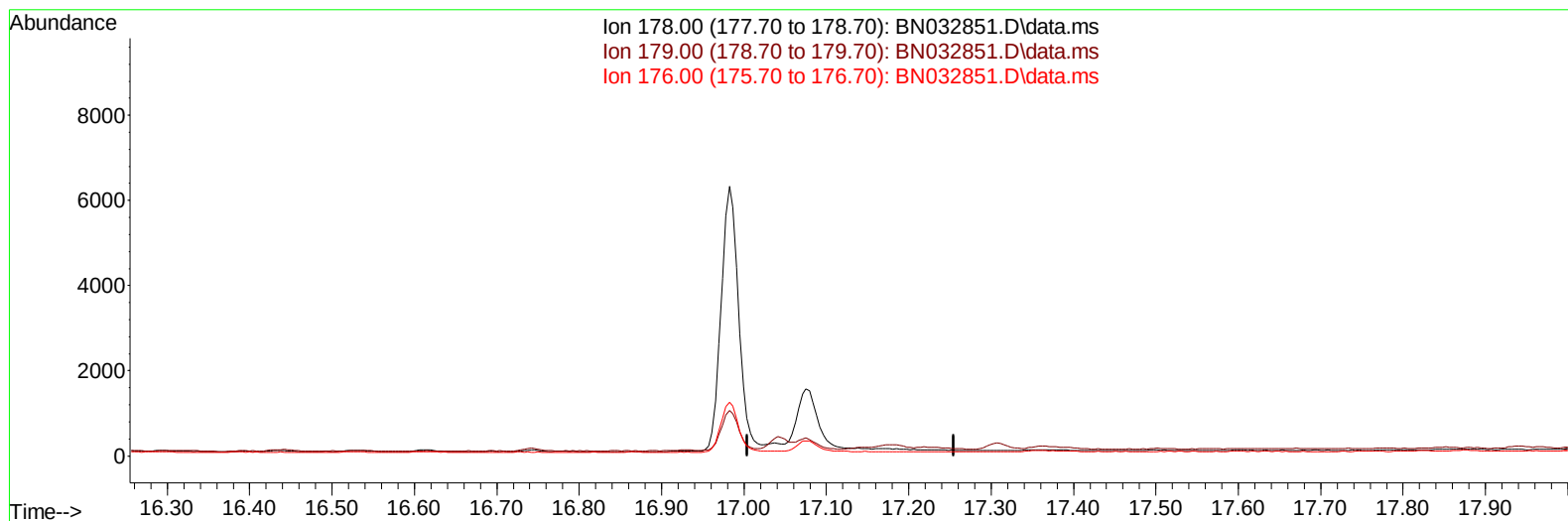
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
 Data File : BN032851.D
 Acq On : 19 Jul 2024 21:13
 Operator : MA/JU
 Sample : P3178-14
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4BW0

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:39 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: BN032851.D\data.ms

(16) Anthracene

17.105min (-17.105) 0.00 ng/ul

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

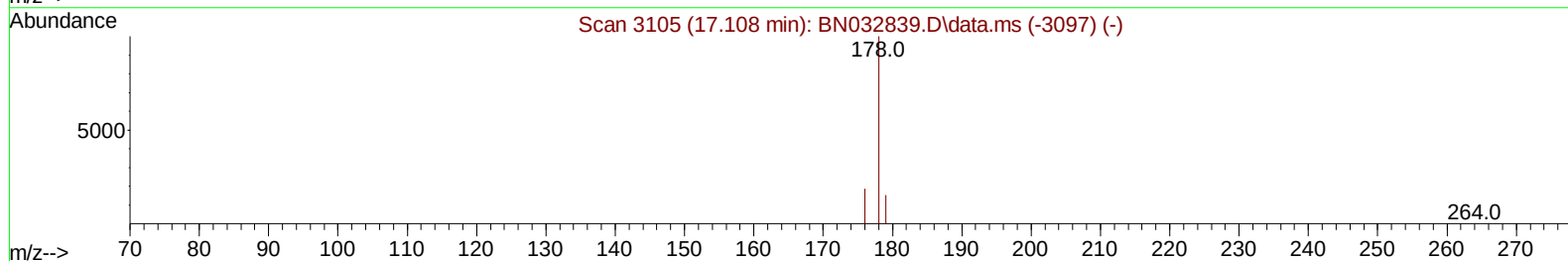
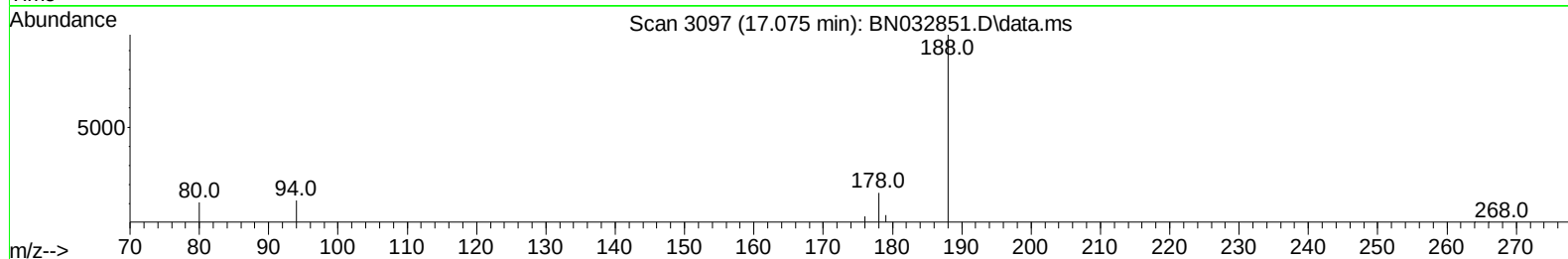
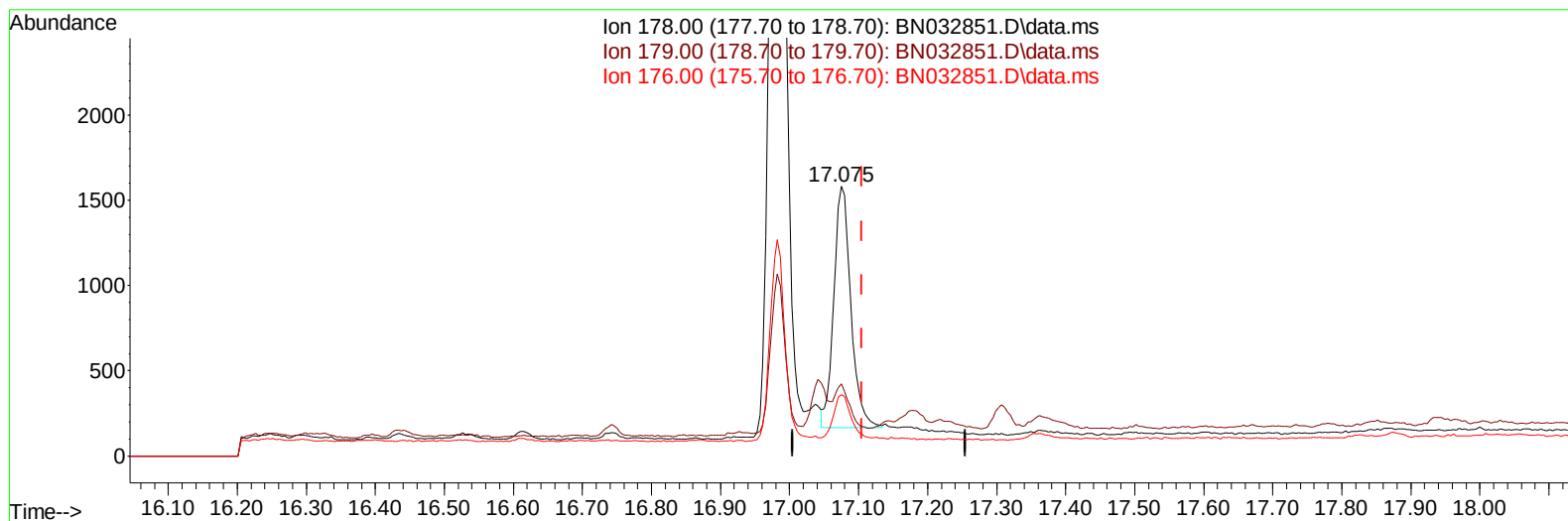
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032851.D
Acq On : 19 Jul 2024 21:13
Operator : MA/JU
Sample : P3178-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BW0

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:39 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: BN032851.D\data.ms

(16) Anthracene

17.075min (-0.030) 0.09 ng/ul m

response 2427

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	26.84#
176.00	19.20	22.72
0.00	0.00	0.00

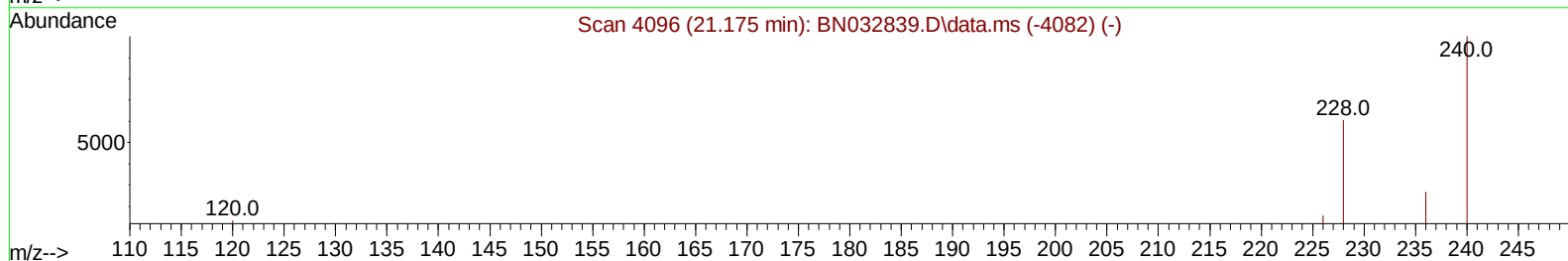
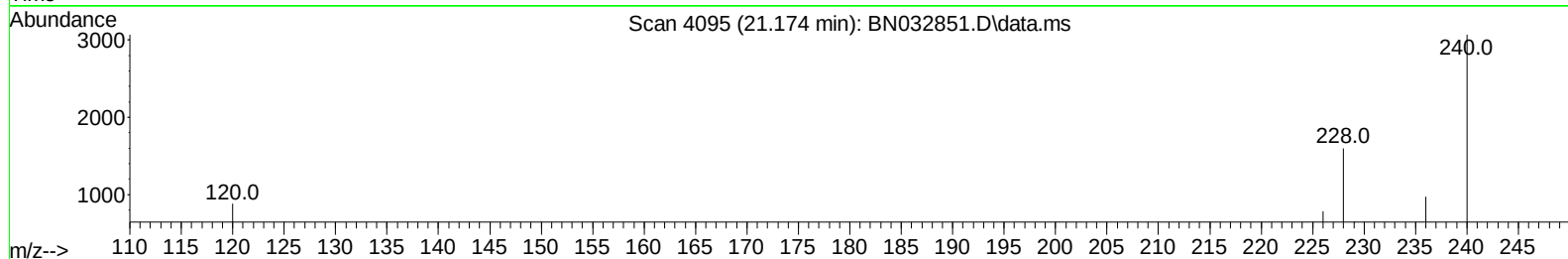
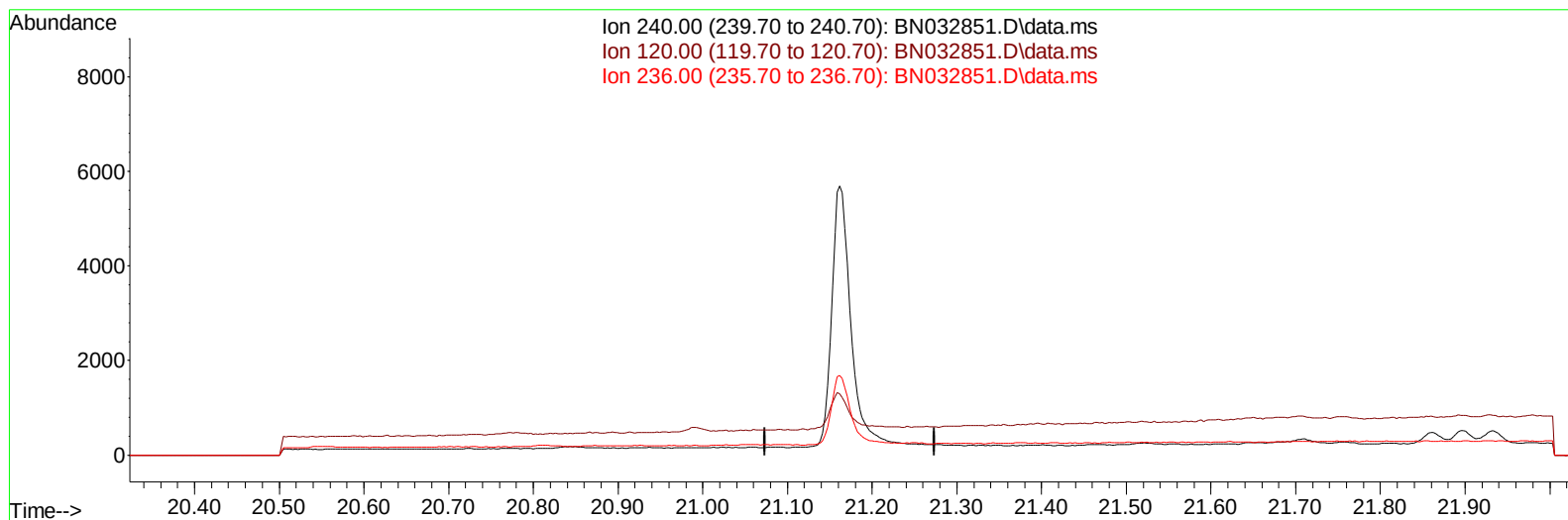
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032851.D
Acq On : 19 Jul 2024 21:13
Operator : MA/JU
Sample : P3178-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BW0

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BN032851.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

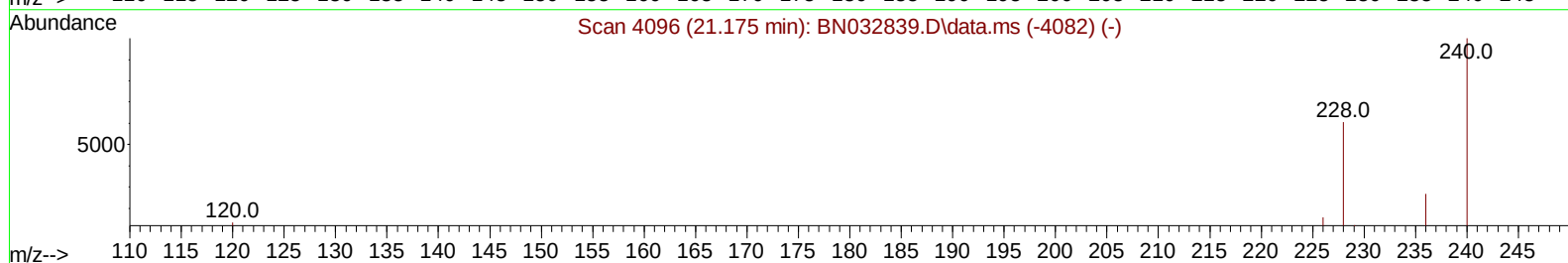
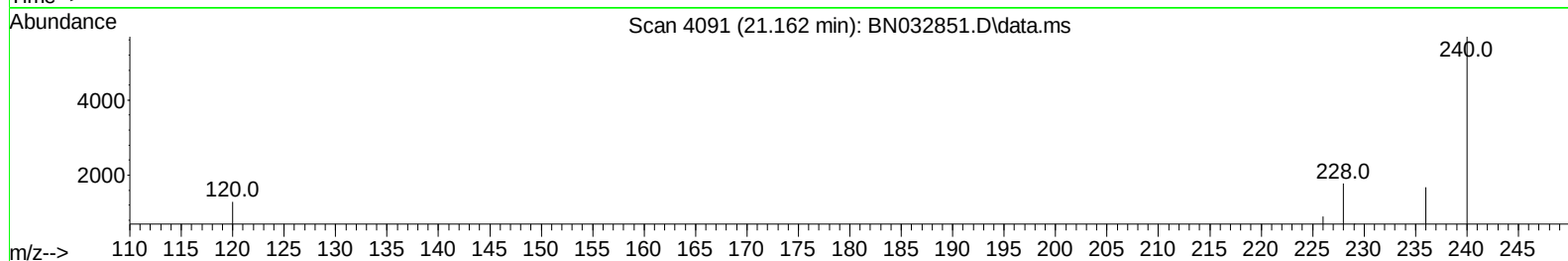
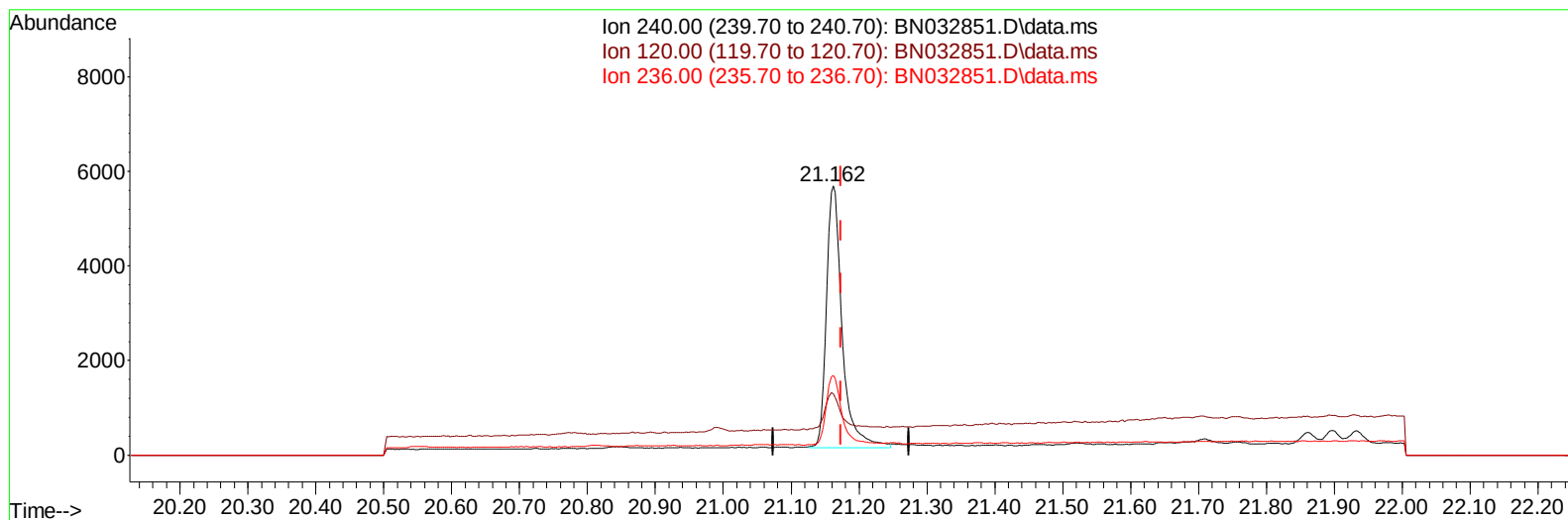
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032851.D
Acq On : 19 Jul 2024 21:13
Operator : MA/JU
Sample : P3178-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BW0

Manual IntegrationsAPPROVED

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

Quant Time: Jul 19 23:20:39 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



TIC: BN032851.D\data.ms

(17) Chrysene-d12

21.162min (-0.012) 0.40 ng/ul m

response 8921

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.00	22.80#
236.00	28.40	29.59
0.00	0.00	0.00

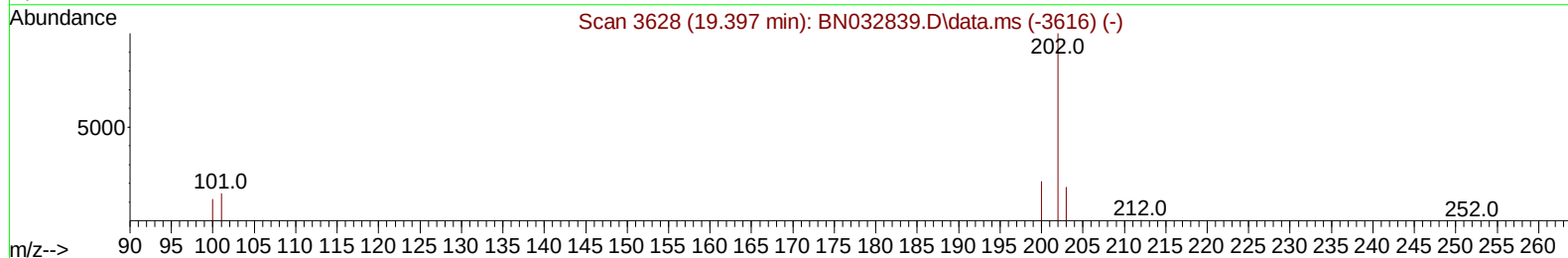
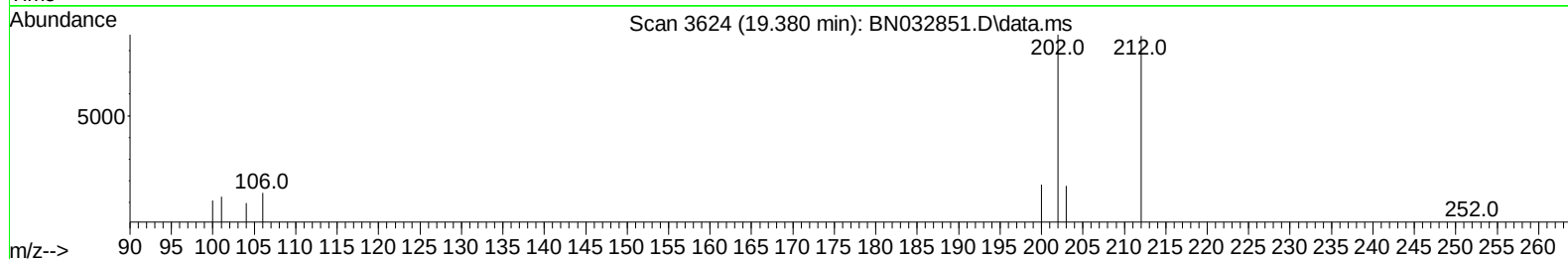
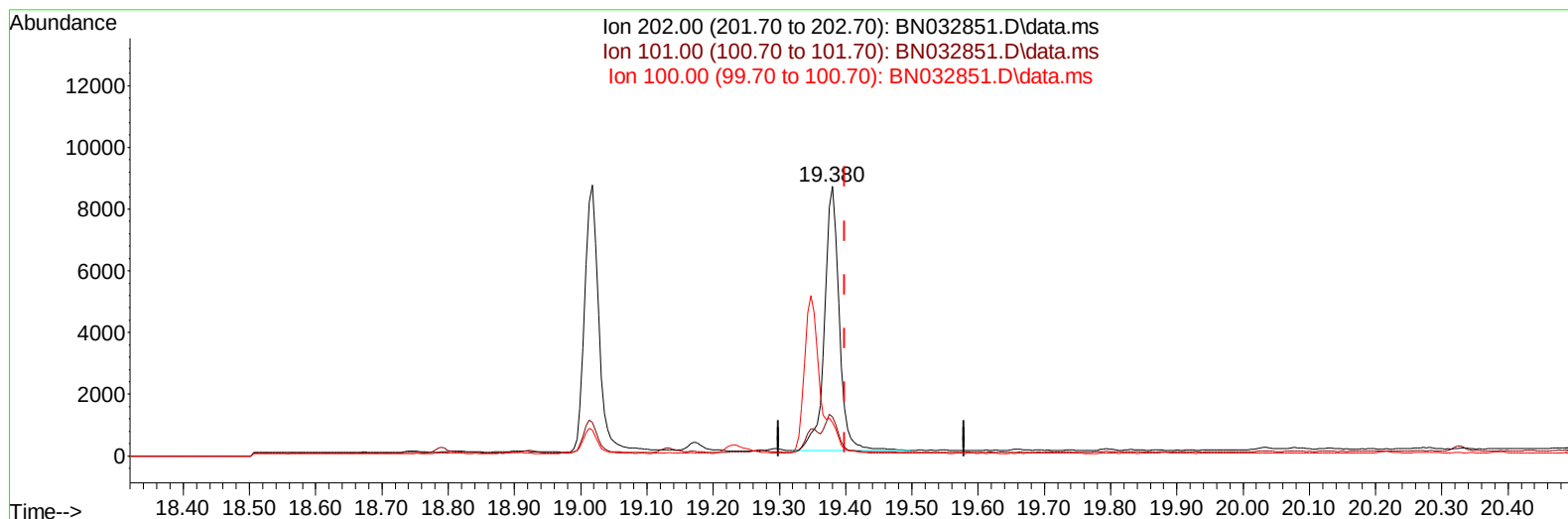
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032851.D
Acq On : 19 Jul 2024 21:13
Operator : MA/JU
Sample : P3178-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BW0

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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TIC: BN032851.D\data.ms

(20) Pyrene

19.380min (-0.019) 0.35 ng/u1

response 13268

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	14.70	14.45
100.00	12.00	12.46
0.00	0.00	0.00

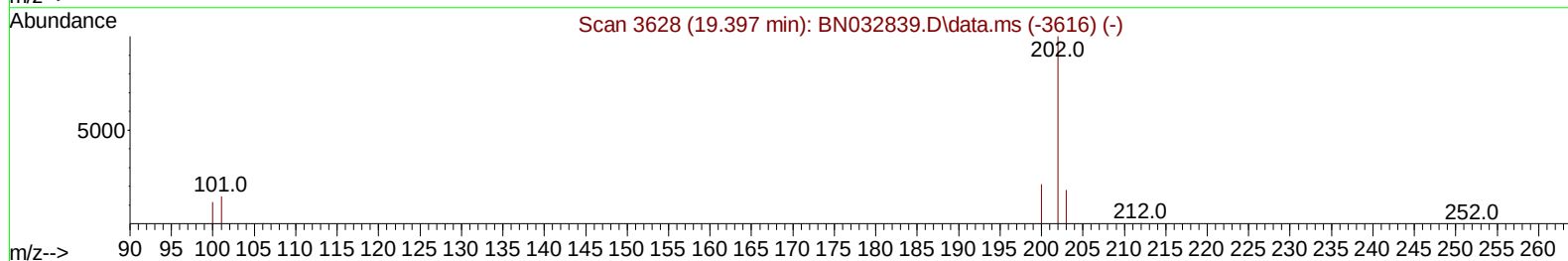
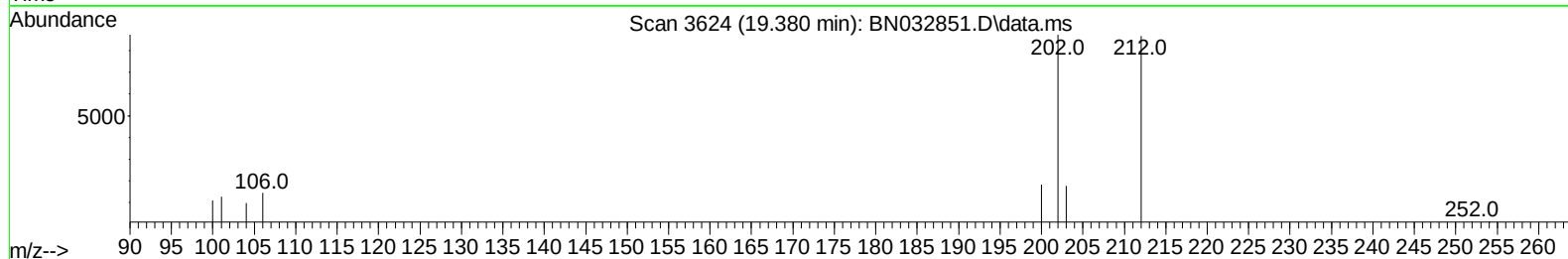
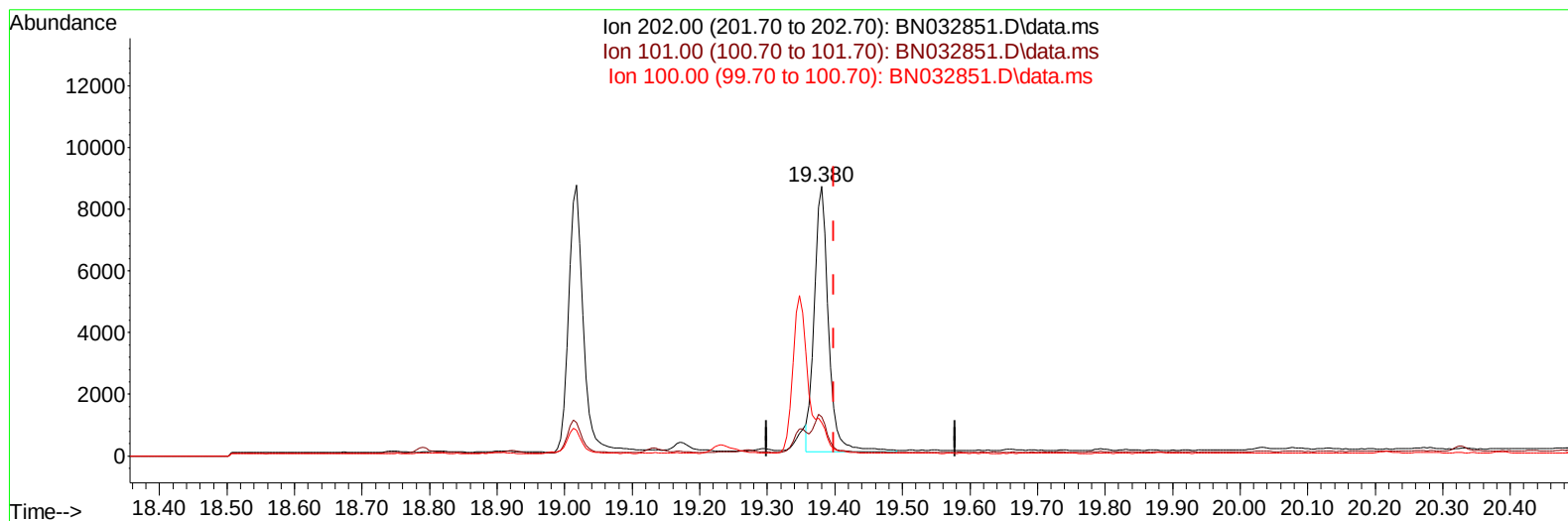
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032851.D
Acq On : 19 Jul 2024 21:13
Operator : MA/JU
Sample : P3178-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BW0

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:39 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
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TIC: BN032851.D\data.ms

(20) Pyrene

19.380min (-0.019) 0.34 ng/ul m

response 12821

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	14.70	14.45
100.00	12.00	12.46
0.00	0.00	0.00

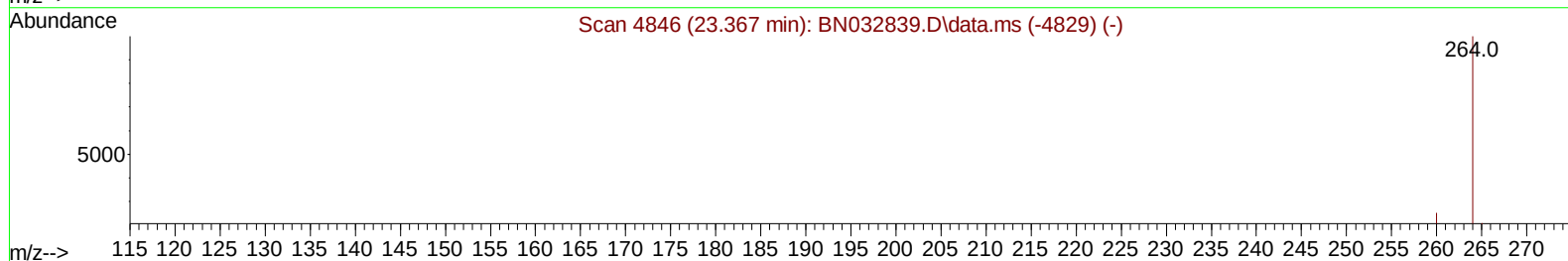
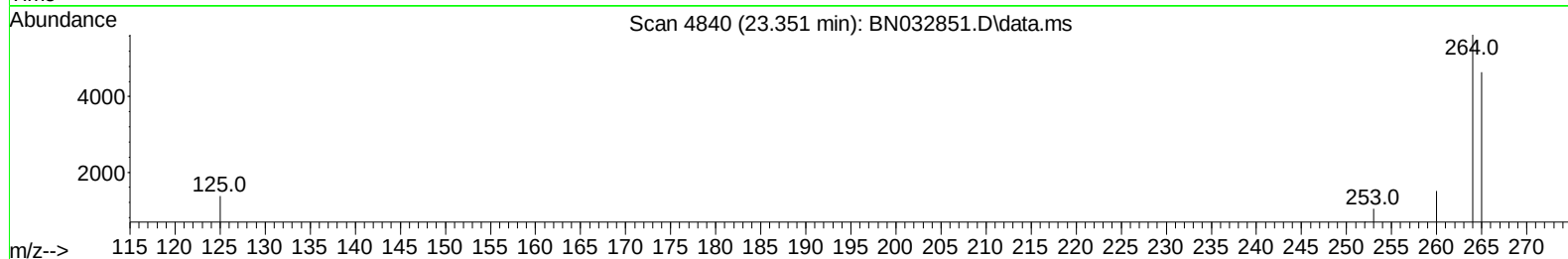
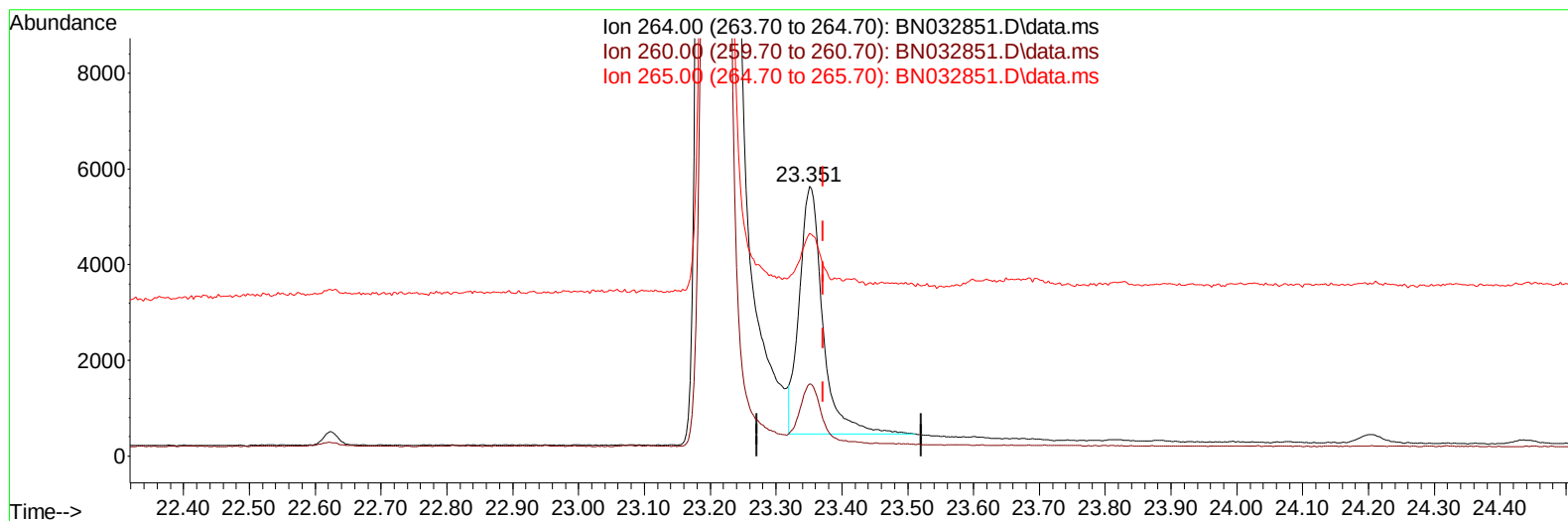
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032851.D
Acq On : 19 Jul 2024 21:13
Operator : MA/JU
Sample : P3178-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BW0

Manual IntegrationsAPPROVED

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TIC: BN032851.D\data.ms

(23) Perylene-d12 (I)

23.351min (-0.021) 0.40 ng/u1

response 12905

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	26.69
265.00	95.50	82.57
0.00	0.00	0.00

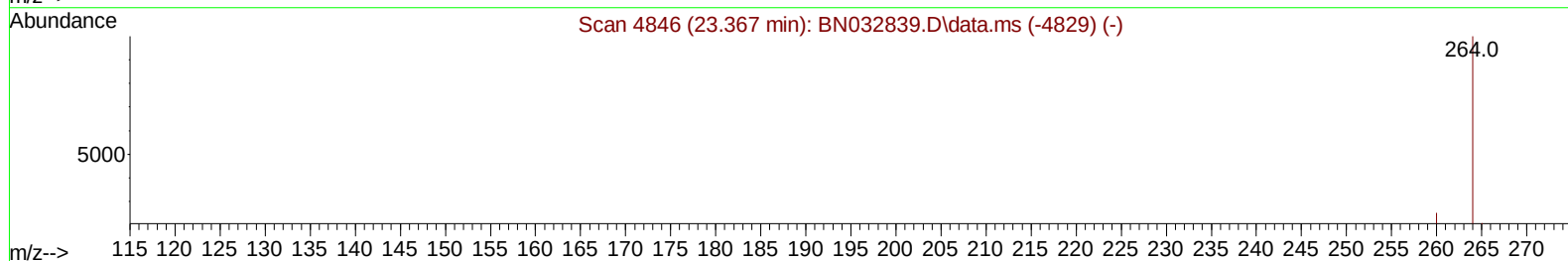
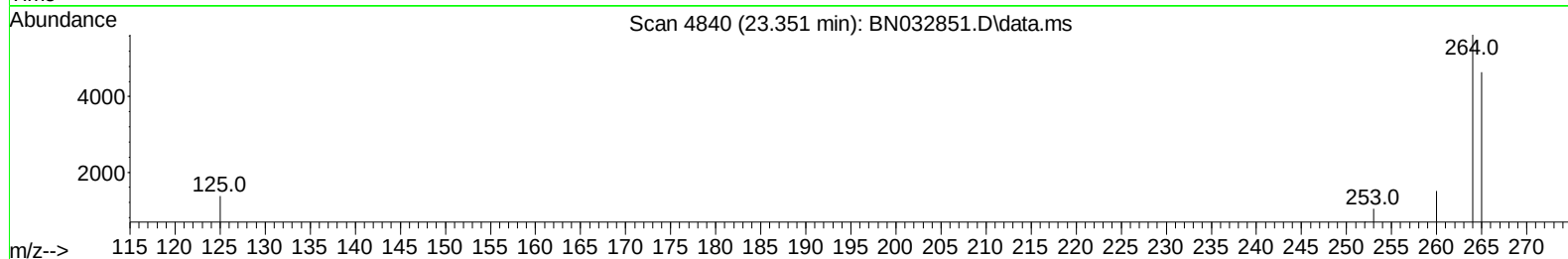
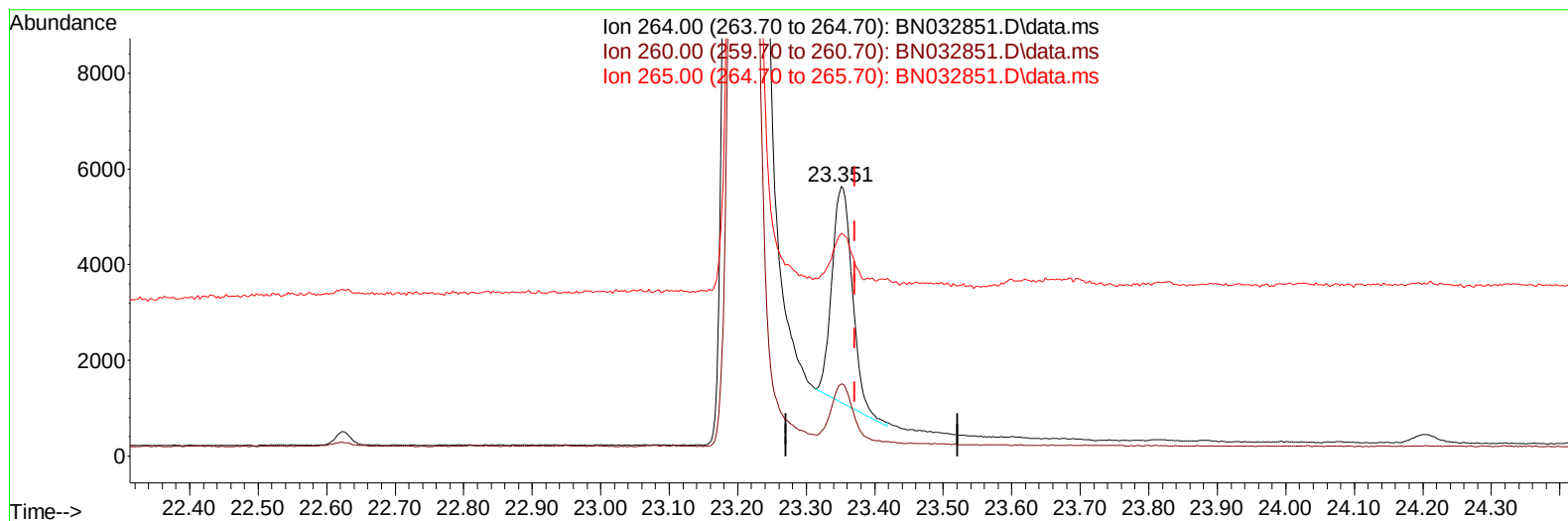
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032851.D
Acq On : 19 Jul 2024 21:13
Operator : MA/JU
Sample : P3178-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BW0

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:39 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
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Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



TIC: BN032851.D\data.ms

(23) Perylene-d12 (I)

23.351min (-0.021) 0.40 ng/ul m

response 9365

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	26.69
265.00	95.50	82.57
0.00	0.00	0.00

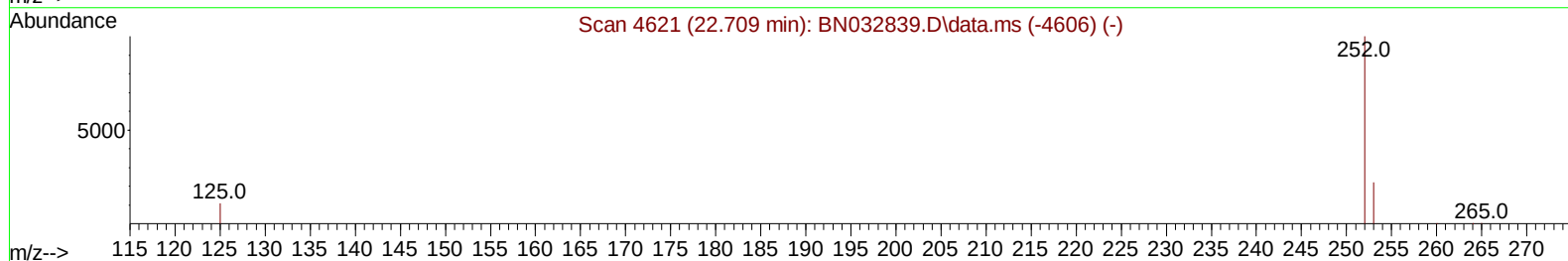
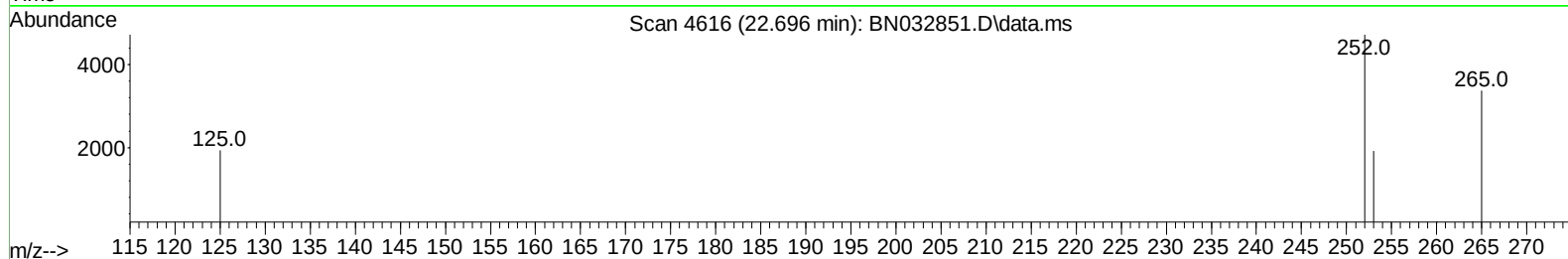
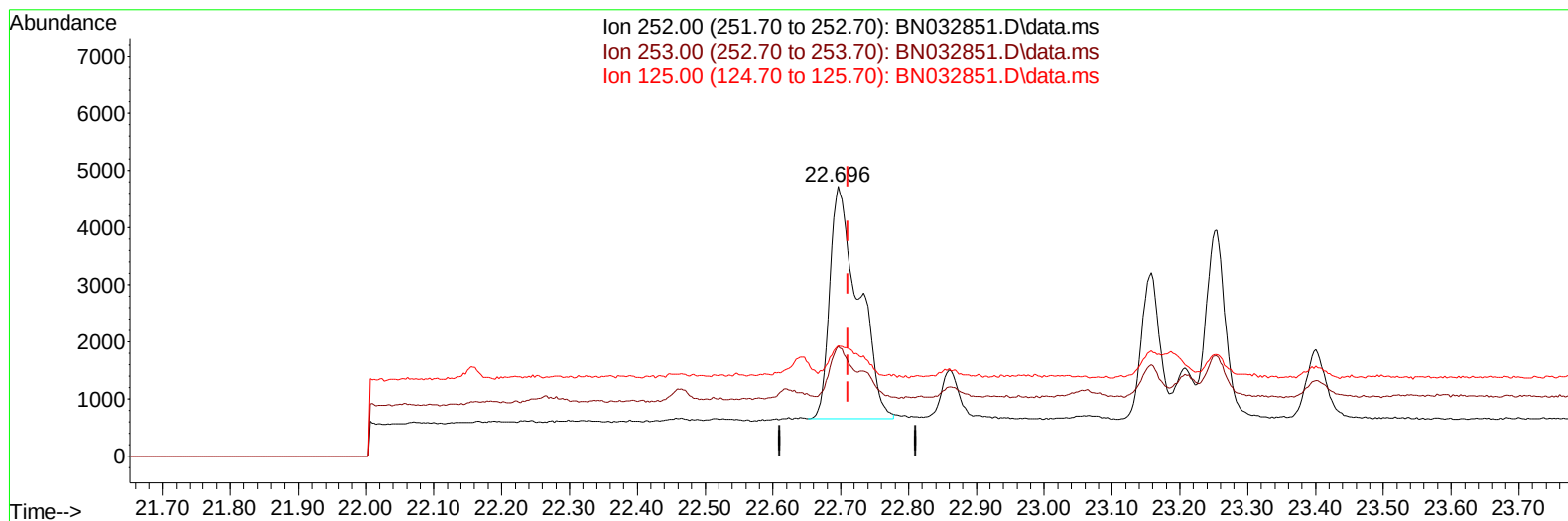
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032851.D
Acq On : 19 Jul 2024 21:13
Operator : MA/JU
Sample : P3178-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BW0

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:39 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
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Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



TIC: BN032851.D\data.ms

(24) Benzo(b)fluoranthene

22.696min (-0.015) 0.36 ng/u1

response 11937

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	40.66
125.00	18.00	40.98#
0.00	0.00	0.00

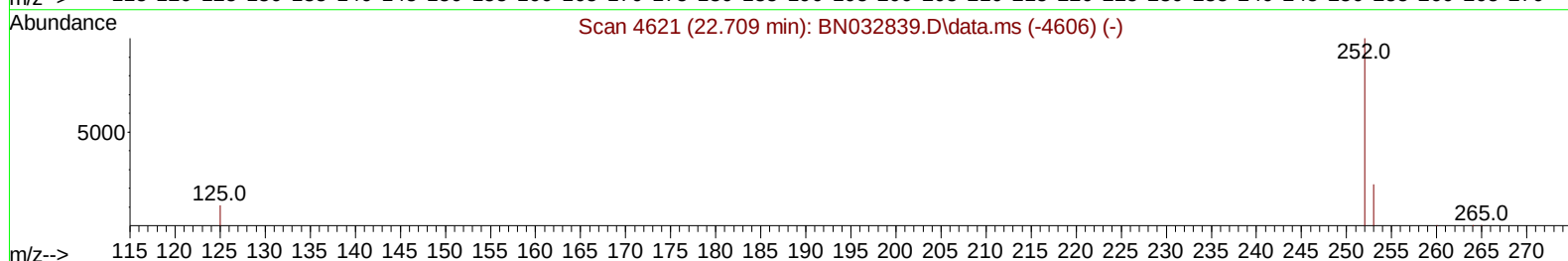
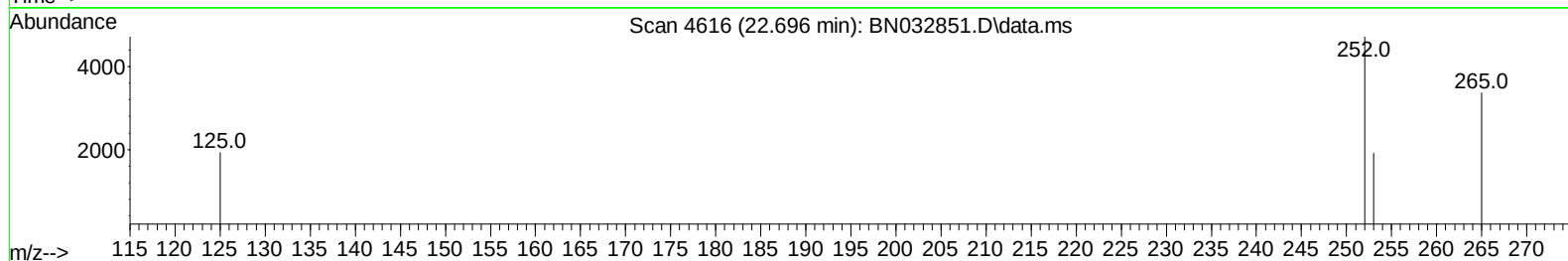
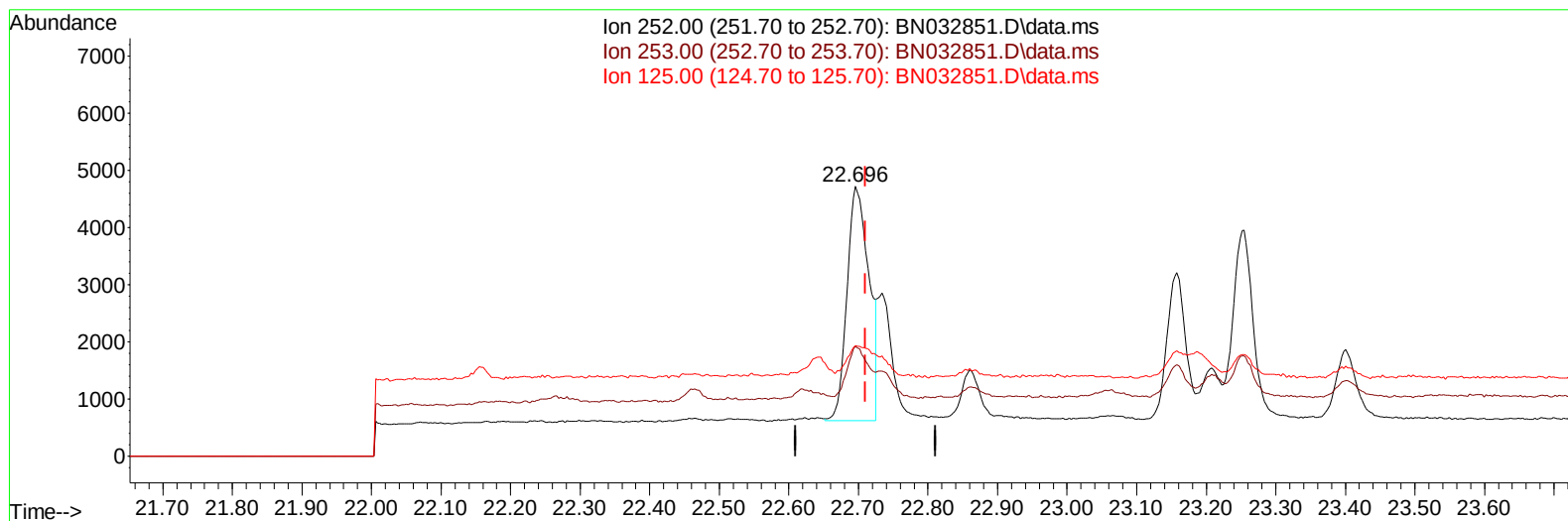
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032851.D
Acq On : 19 Jul 2024 21:13
Operator : MA/JU
Sample : P3178-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BW0

Manual IntegrationsAPPROVED

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

Quant Time: Jul 19 23:20:39 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



TIC: BN032851.D\data.ms

(24) Benzo(b)fluoranthene

22.696min (-0.015) 0.27 ng/ul m

response 9050

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	40.66
125.00	18.00	40.98#
0.00	0.00	0.00

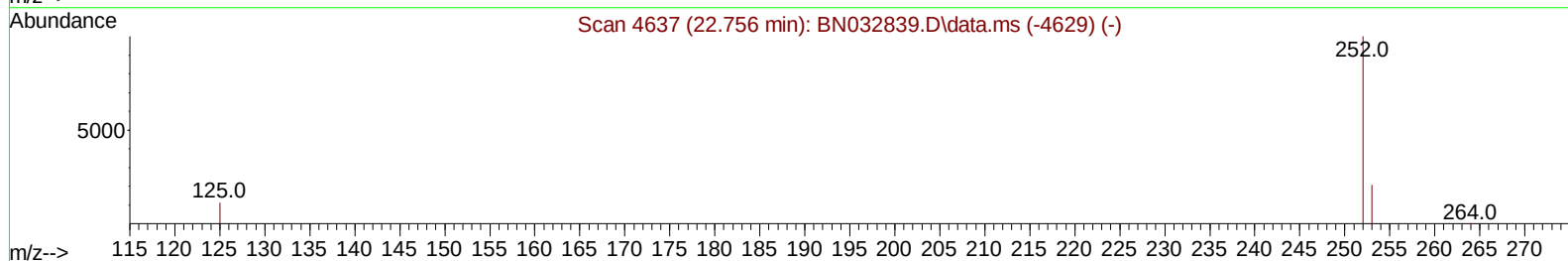
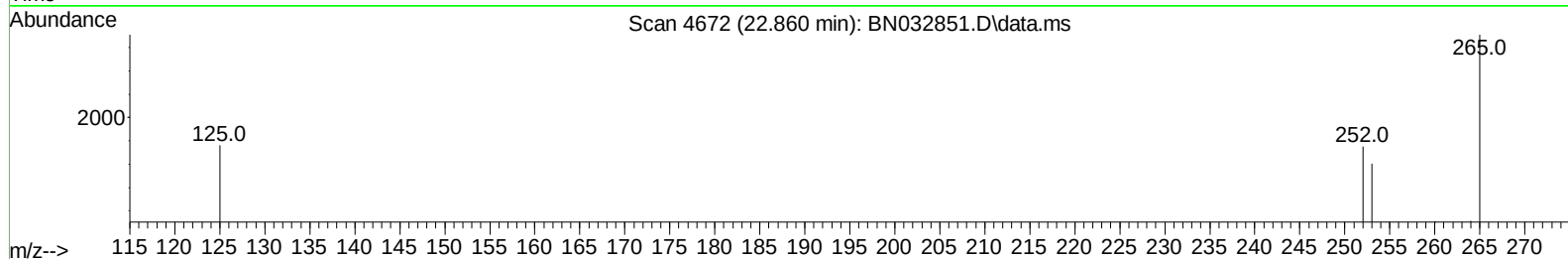
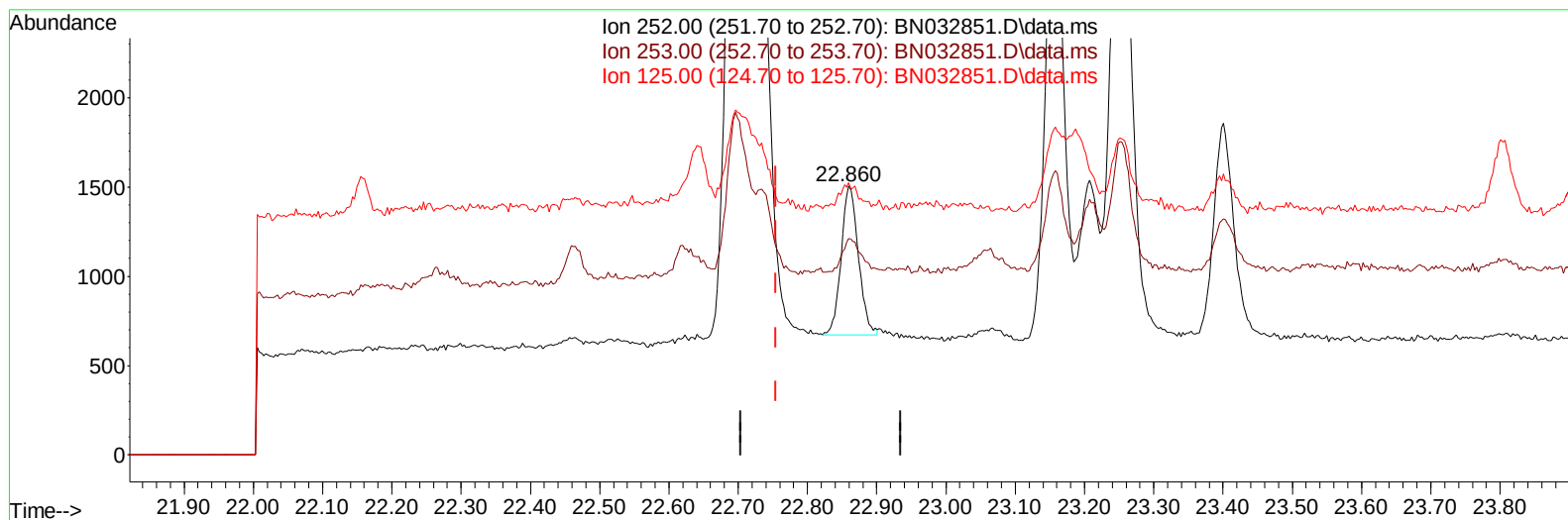
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
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TIC: BN032851.D\data.ms

(25) Benzo(k)fluoranthene

22.860min (+ 0.105) 0.04 ng/u1

response 1441

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	80.47#
125.00	18.50	101.26#
0.00	0.00	0.00

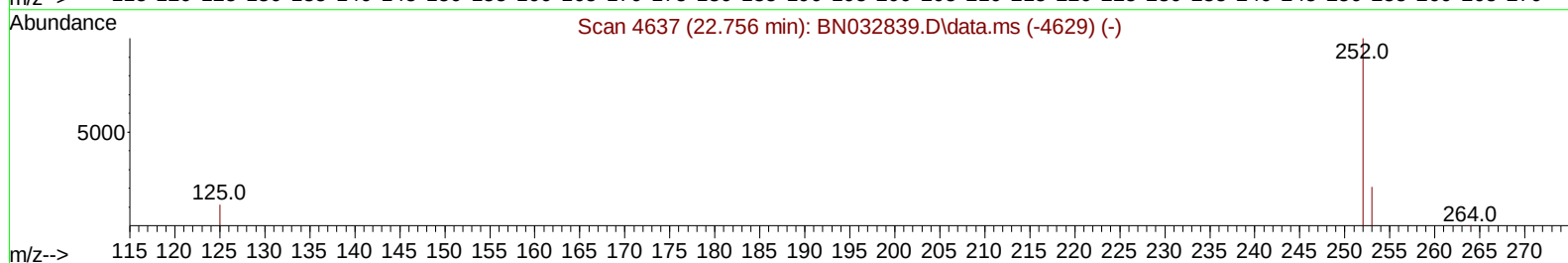
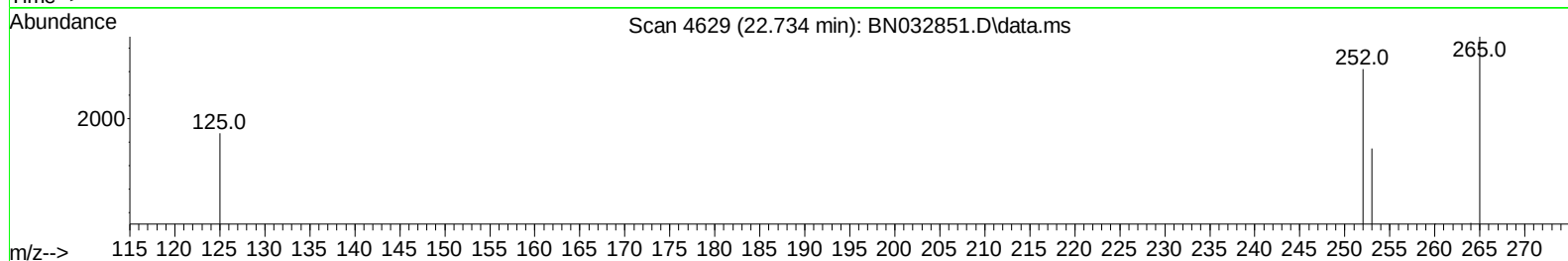
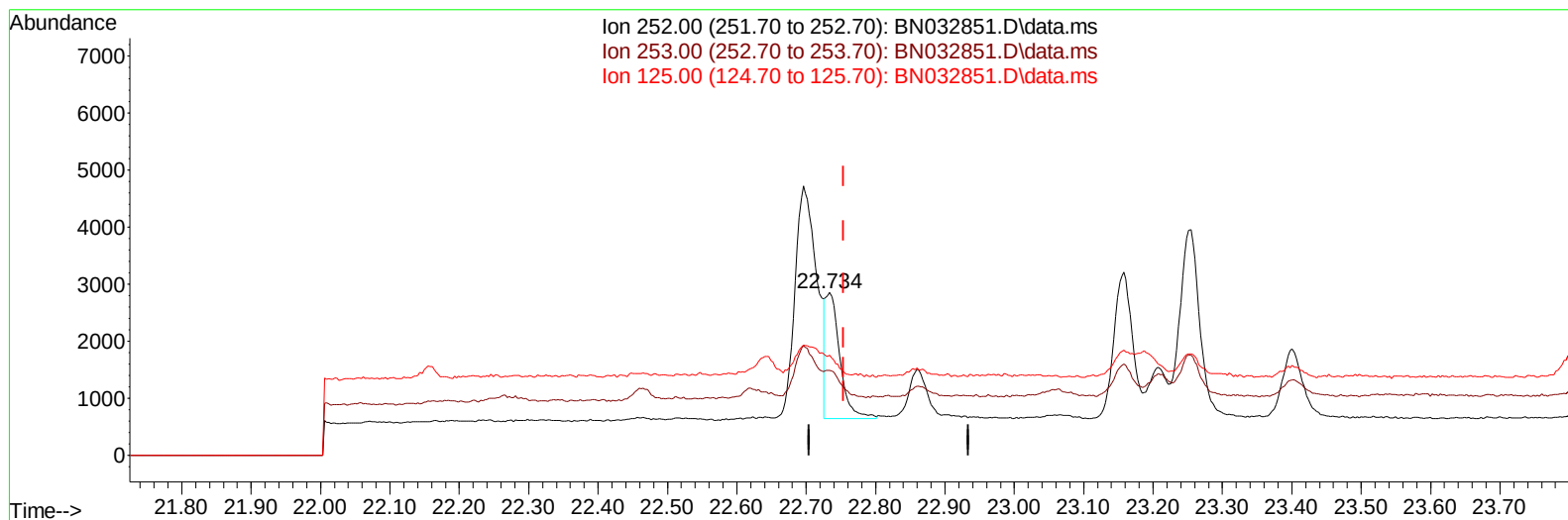
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032851.D
Acq On : 19 Jul 2024 21:13
Operator : MA/JU
Sample : P3178-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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TIC: BN032851.D\data.ms

(25) Benzo(k)fluoranthene

22.734min (-0.021) 0.08 ng/ul m

response 3170

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	52.32#
125.00	18.50	61.35#
0.00	0.00	0.00

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 Sample : P3178-14
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4BW0

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.527	152	3944	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.299	136	13105	0.400	ng/ul	-0.03
9) Acenaphthene-d10	14.179	164	7212	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.940	188	11519m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.162	240	8921m	0.400	ng/ul	-0.01
23) Perylene-d12	23.351	264	9365m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.089	96	10236	2.161	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.905	152	3287	0.166	ng/ul	-0.03
18) Fluoranthene-d10	18.985	212	4877	0.168	ng/ul	-0.02
Target Compounds						
					Qvalue	
5) Naphthalene	10.349	128	877	0.025	ng/ul#	74
10) Acenaphthylene	13.902	152	1161	0.040	ng/ul#	77
11) Acenaphthene	14.244	153	825	0.034	ng/ul	97
12) Fluorene	15.239	166	866	0.031	ng/ul#	96
15) Phenanthrene	16.982	178	9186m	0.293	ng/ul	
16) Anthracene	17.075	178	2427m	0.095	ng/ul	
19) Fluoranthene	19.018	202	13092	0.361	ng/ul	100
20) Pyrene	19.380	202	12821m	0.341	ng/ul	
21) Benzo(a)anthracene	21.147	228	6821	0.240	ng/ul#	87
22) Chrysene	21.200	228	5974	0.145	ng/ul#	86
24) Benzo(b)fluoranthene	22.696	252	9050m	0.274	ng/ul	
25) Benzo(k)fluoranthene	22.734	252	3170m	0.079	ng/ul	
26) Benzo(a)pyrene	23.254	252	6481	0.227	ng/ul#	71
27) Indeno(1,2,3-cd)pyrene	25.572	276	4730	0.122	ng/ul#	94
28) Dibenzo(a,h)anthracene	25.569	278	1115	0.037	ng/ul#	1
29) Benzo(g,h,i)perylene	26.247	276	4727	0.146	ng/ul#	72

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

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