

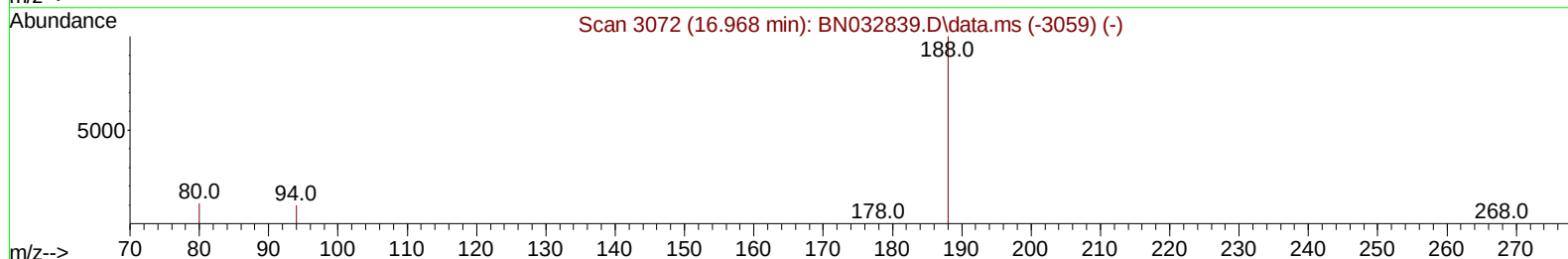
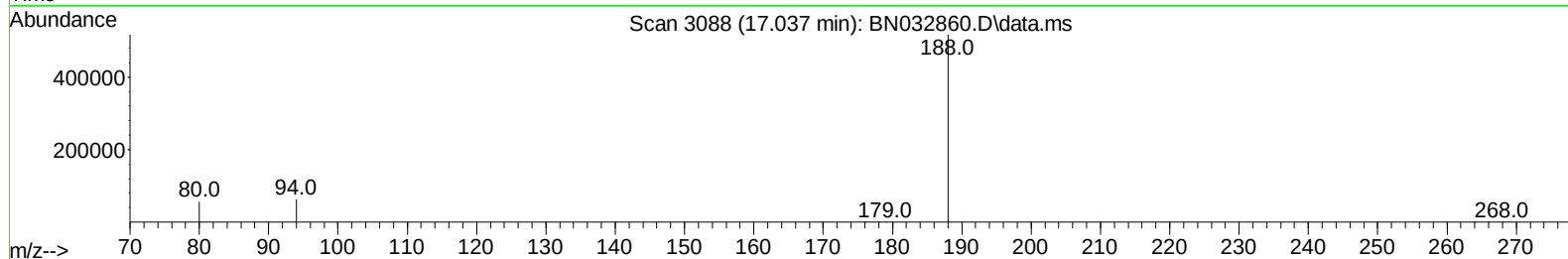
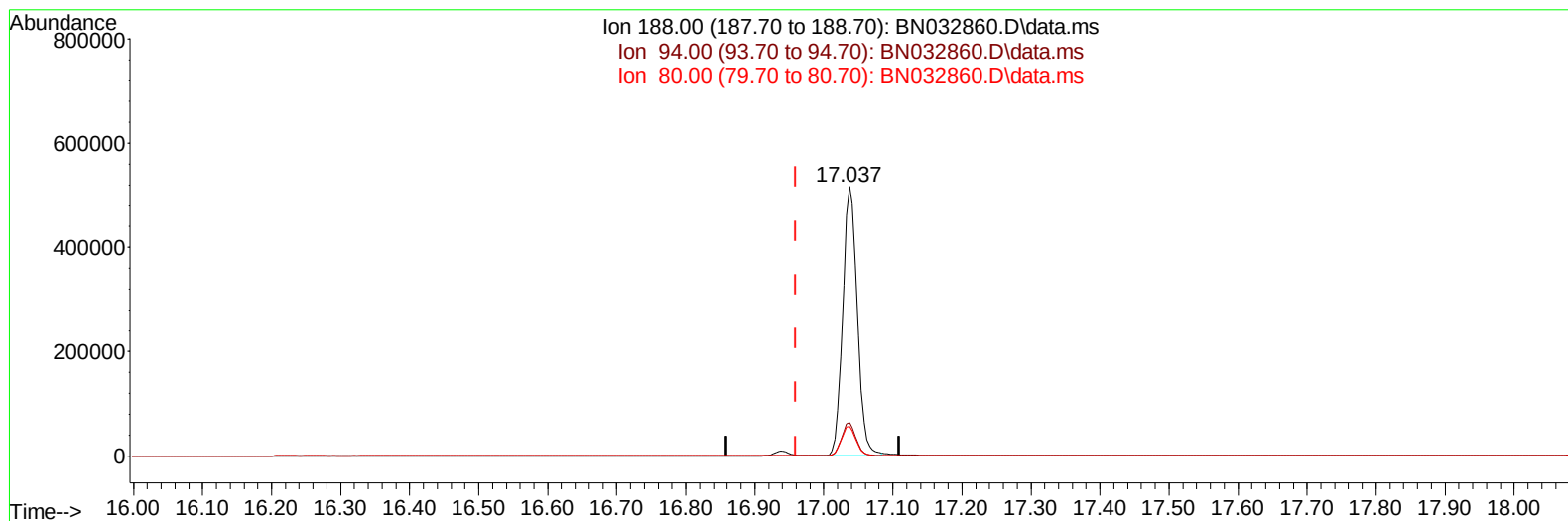
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032860.D
Acq On : 20 Jul 2024 03:14
Operator : MA/JU
Sample : P3178-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT1

Manual IntegrationsAPPROVED

Quant Time: Jul 20 03:50:36 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 : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

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



TIC: BN032860.D\data.ms

(13) Phenanthrene-d10 (I)

17.037min (+ 0.078) 0.40 ng/ul

response 753204

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	12.29
80.00	12.00	11.03
0.00	0.00	0.00

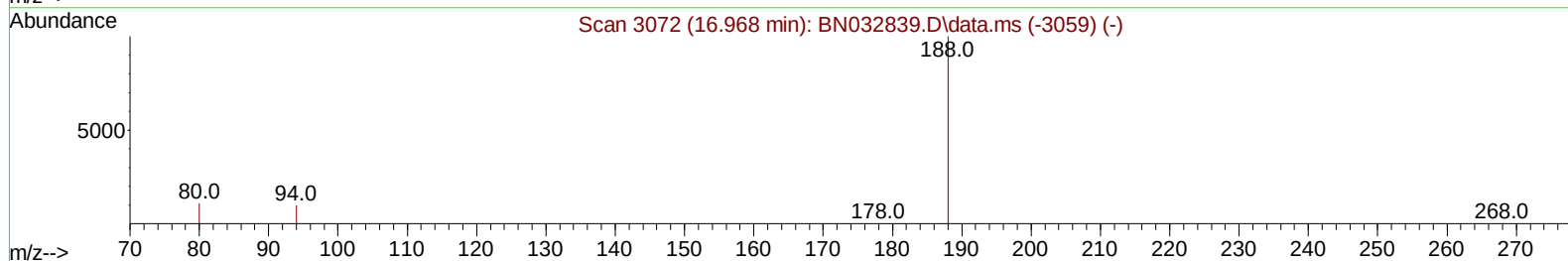
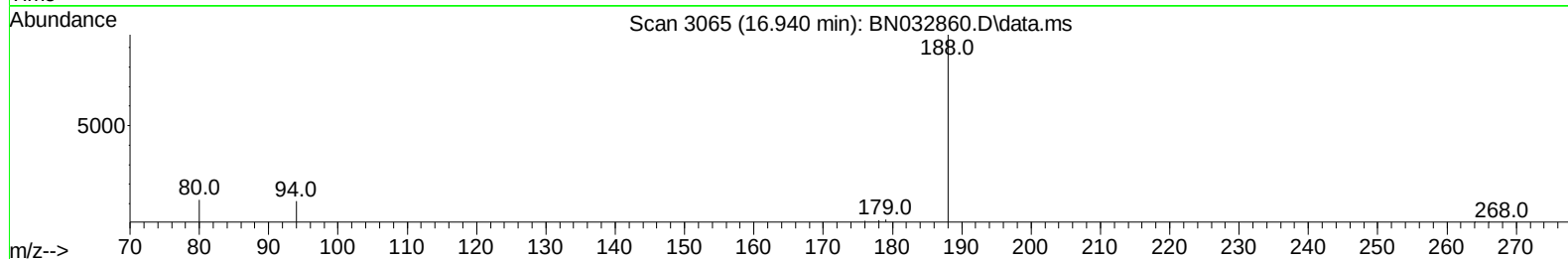
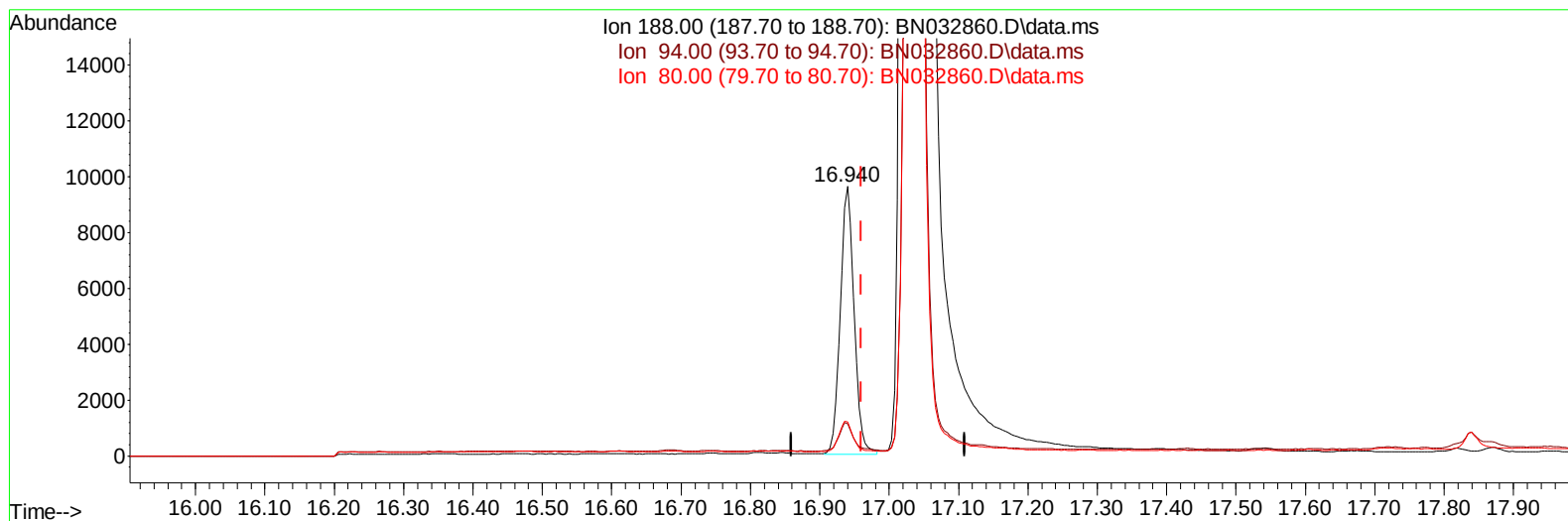
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032860.D
Acq On : 20 Jul 2024 03:14
Operator : MA/JU
Sample : P3178-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT1

Manual IntegrationsAPPROVED

Quant Time: Jul 20 03:50:36 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 : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/20/2024
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TIC: BN032860.D\data.ms

(13) Phenanthrene-d10 (I)

16.940min (-0.020) 0.40 ng/ul m

response 13287

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	11.90
80.00	12.00	12.57
0.00	0.00	0.00

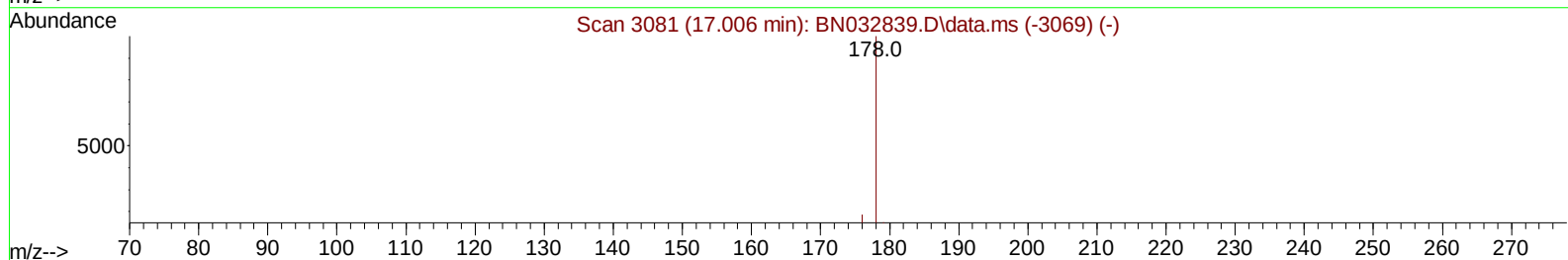
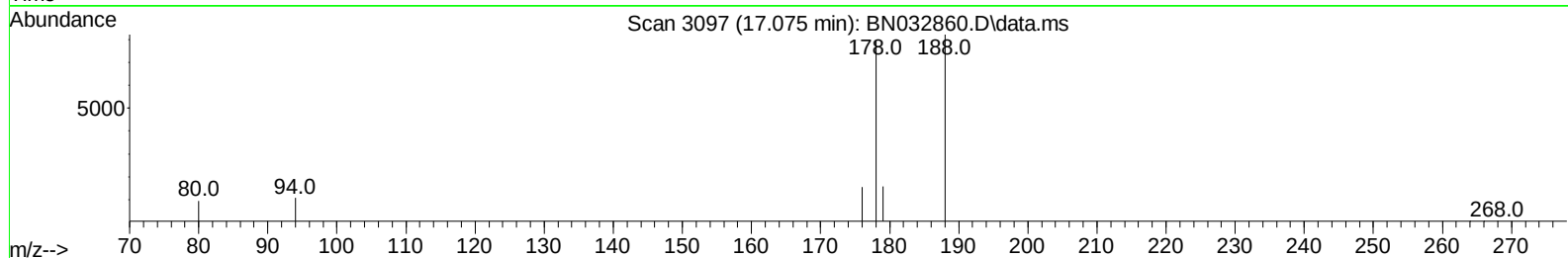
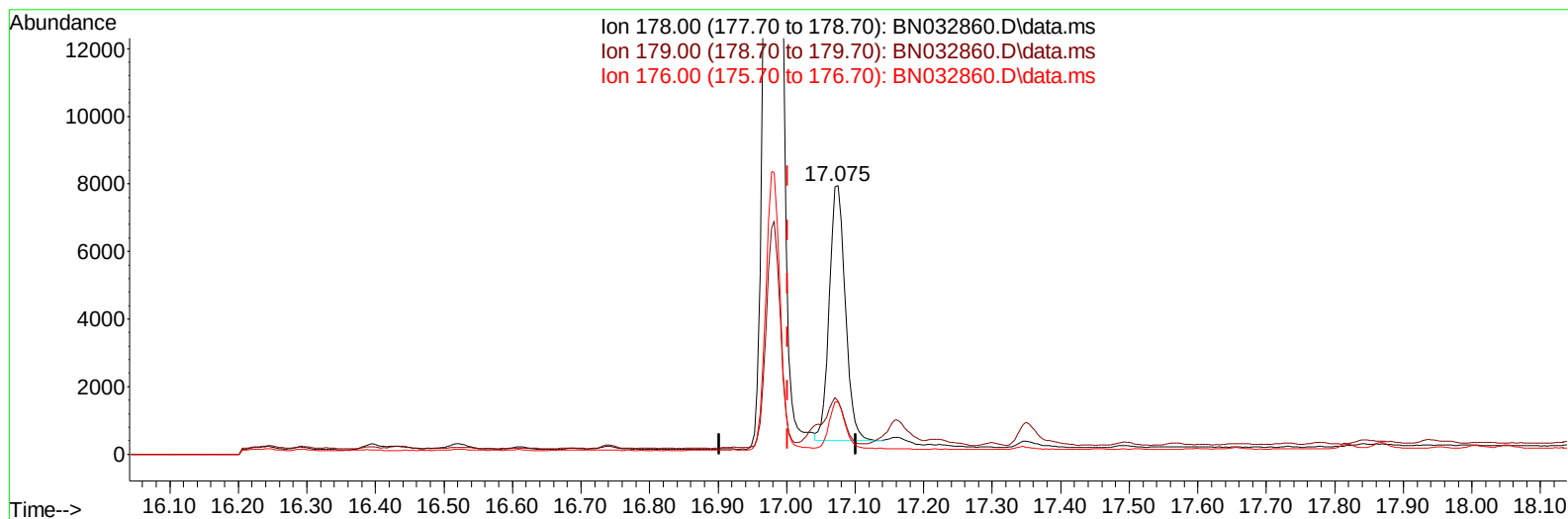
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032860.D
Acq On : 20 Jul 2024 03:14
Operator : MA/JU
Sample : P3178-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT1

Manual IntegrationsAPPROVED

Quant Time: Jul 20 03:50:36 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: BN032860.D\data.ms

(15) Phenanthrene

17.075min (+ 0.073) 0.34 ng/ul

response 12260

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	19.78#
176.00	19.50	19.50
0.00	0.00	0.00

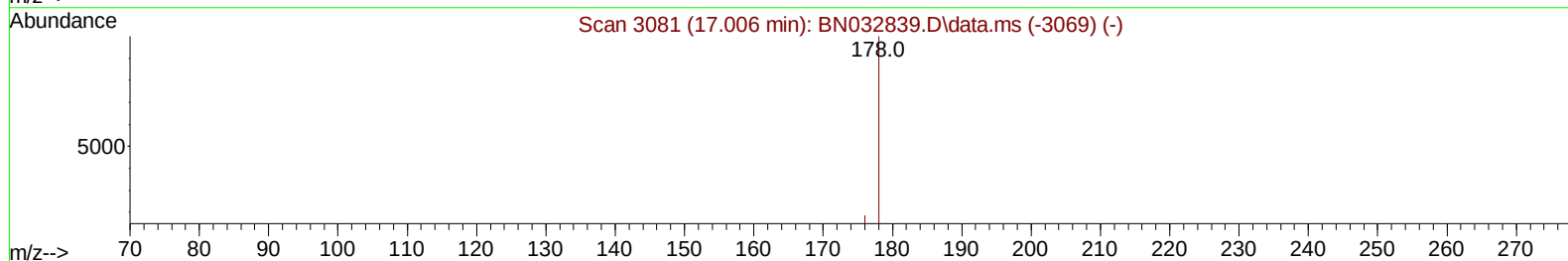
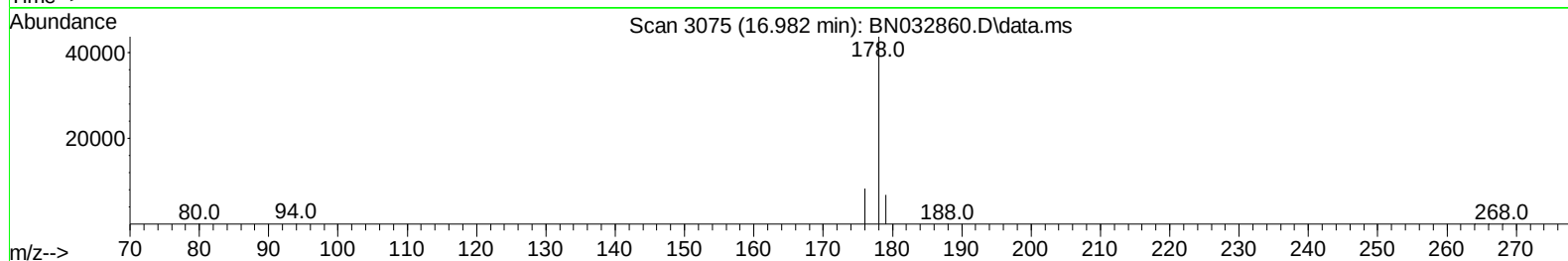
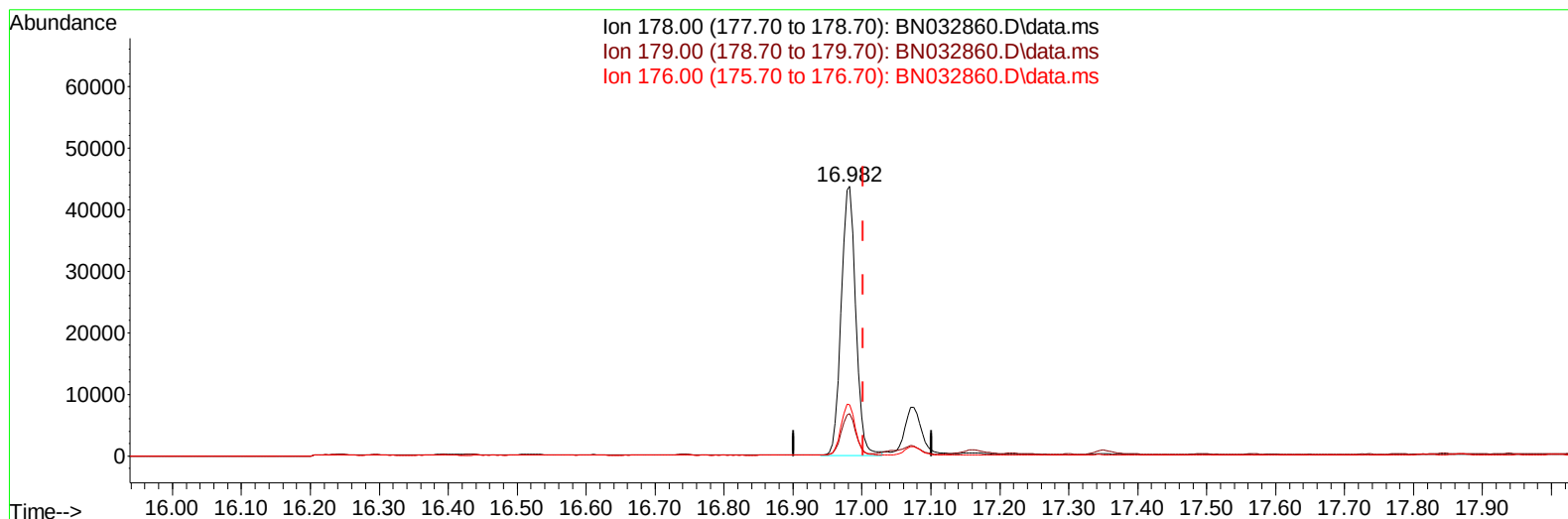
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032860.D
Acq On : 20 Jul 2024 03:14
Operator : MA/JU
Sample : P3178-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT1

Manual IntegrationsAPPROVED

Quant Time: Jul 20 03:50:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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TIC: BN032860.D\data.ms

(15) Phenanthrene

16.982min (-0.020) 1.76 ng/ul m

response 63805

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	15.79
176.00	19.50	19.06
0.00	0.00	0.00

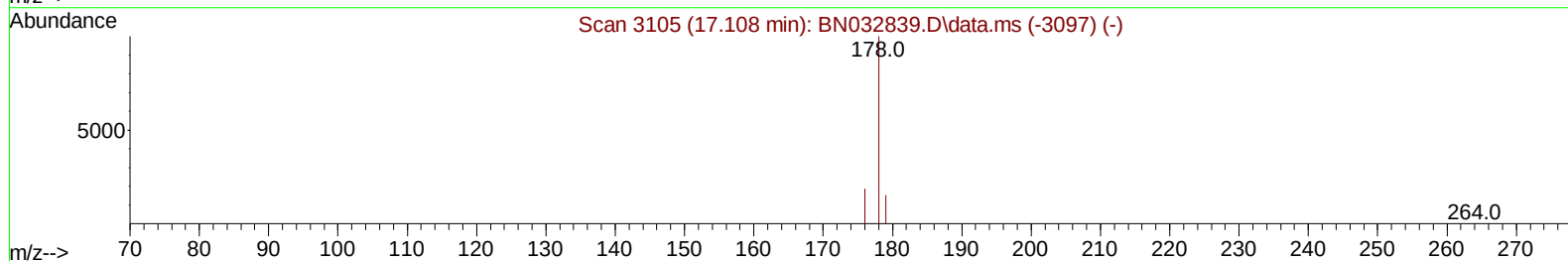
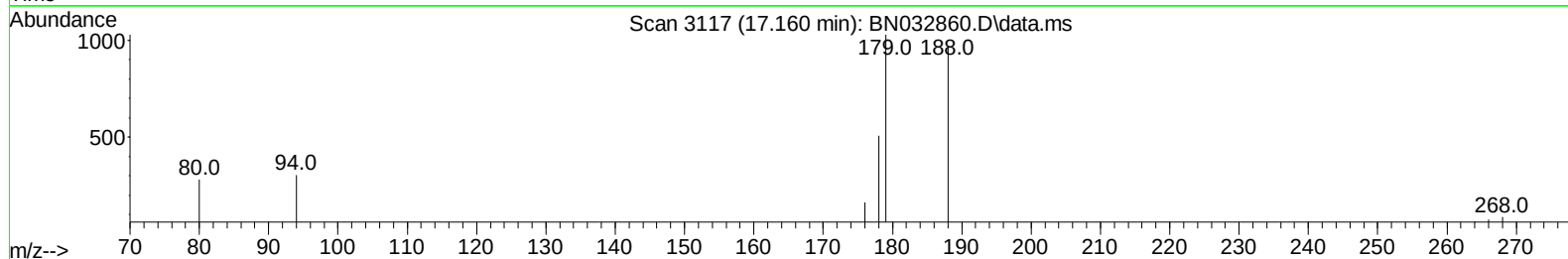
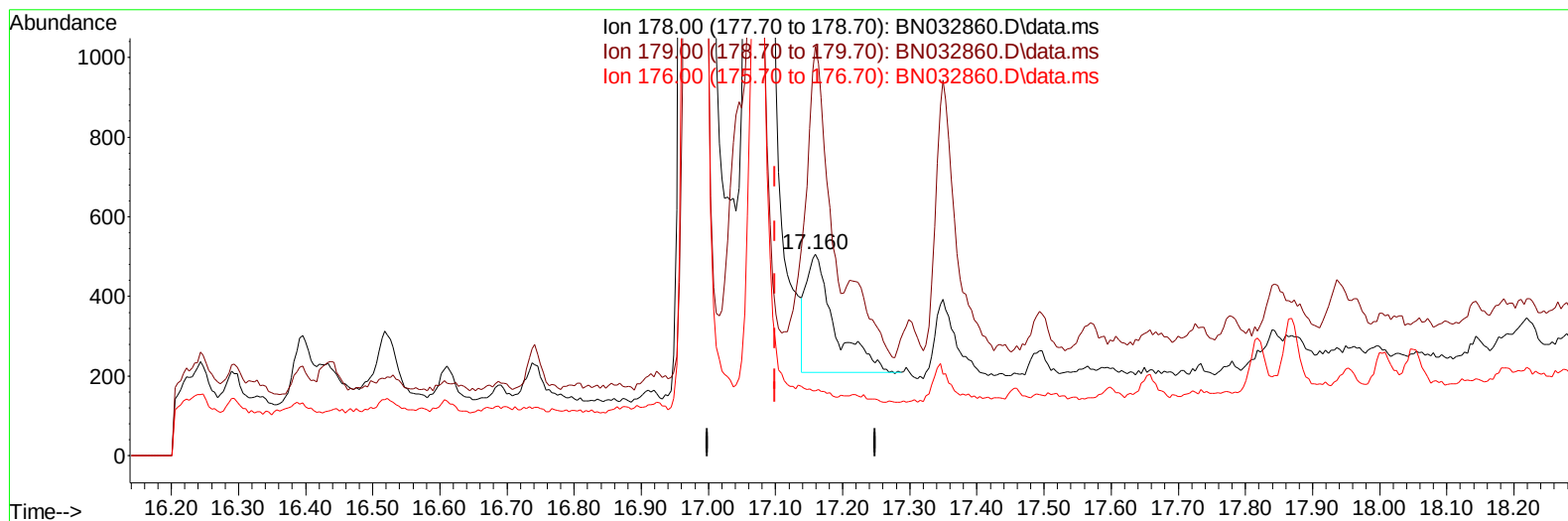
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032860.D
Acq On : 20 Jul 2024 03:14
Operator : MA/JU
Sample : P3178-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT1

Manual IntegrationsAPPROVED

Quant Time: Jul 20 03:50:36 2024
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TIC: BN032860.D\data.ms

(16) Anthracene

17.160min (+ 0.061) 0.03 ng/u1

response 889

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	203.16#
176.00	19.20	32.41#
0.00	0.00	0.00

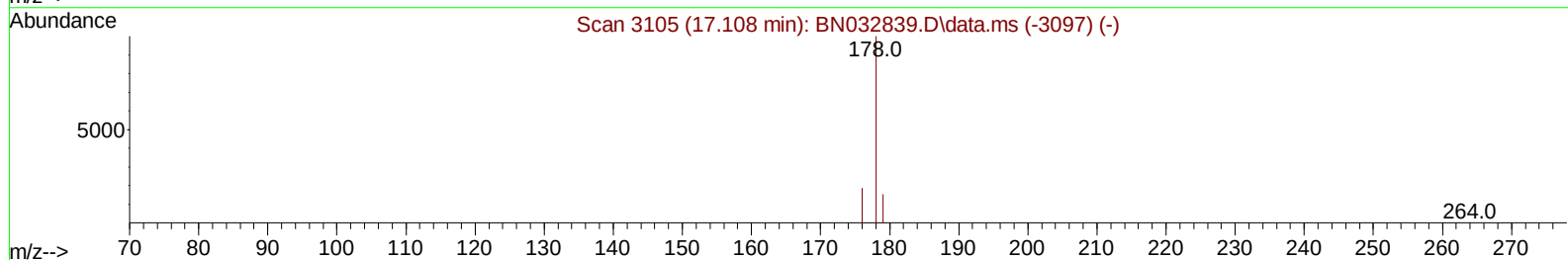
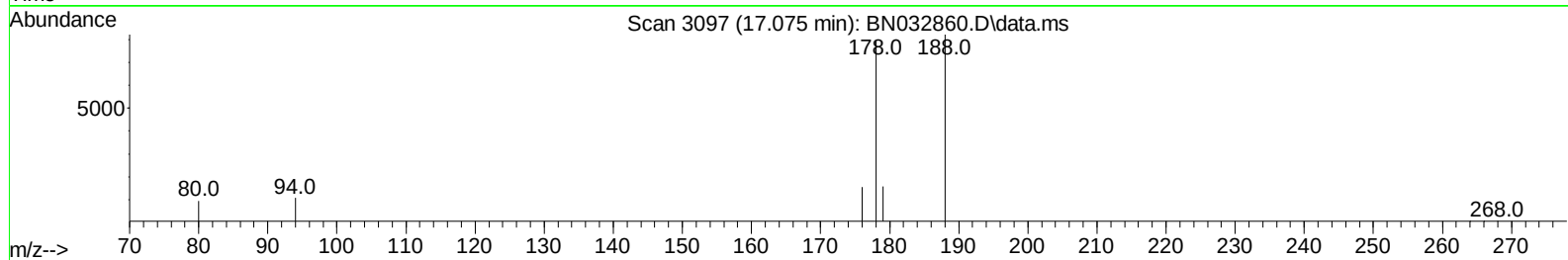
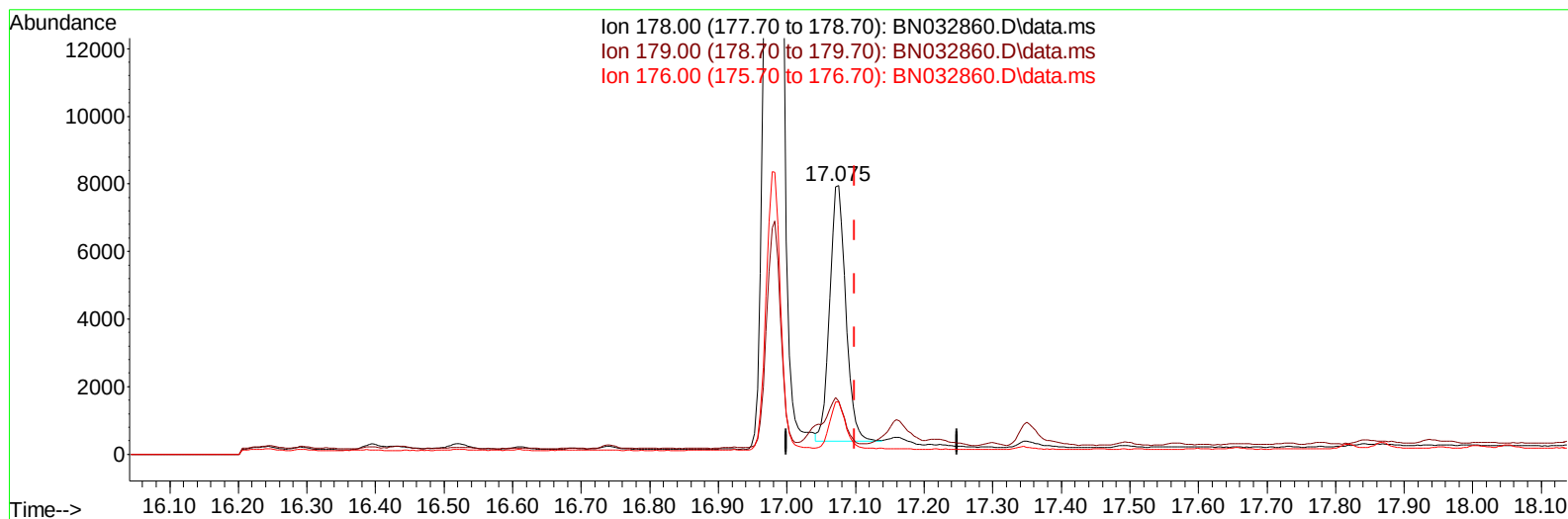
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032860.D
Acq On : 20 Jul 2024 03:14
Operator : MA/JU
Sample : P3178-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT1

Manual IntegrationsAPPROVED

Quant Time: Jul 20 03:50:36 2024
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TIC: BN032860.D\data.ms

(16) Anthracene

17.075min (-0.024) 0.42 ng/ul m

response 12295

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	19.78
176.00	19.20	19.50
0.00	0.00	0.00

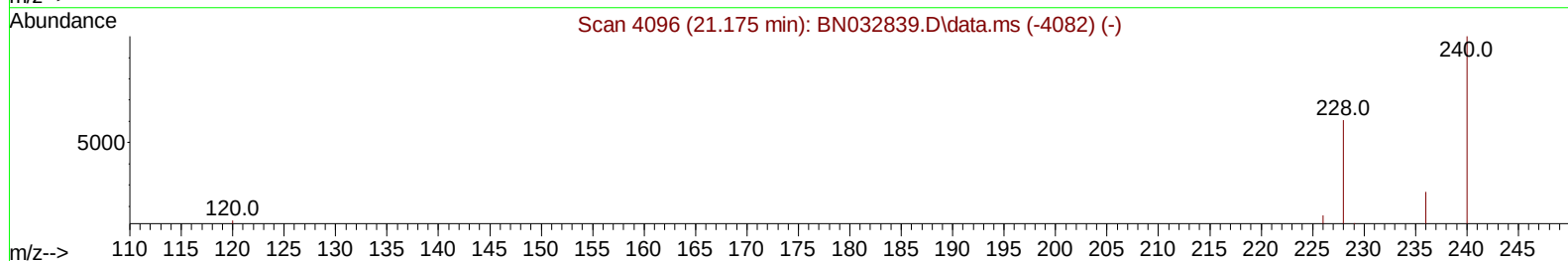
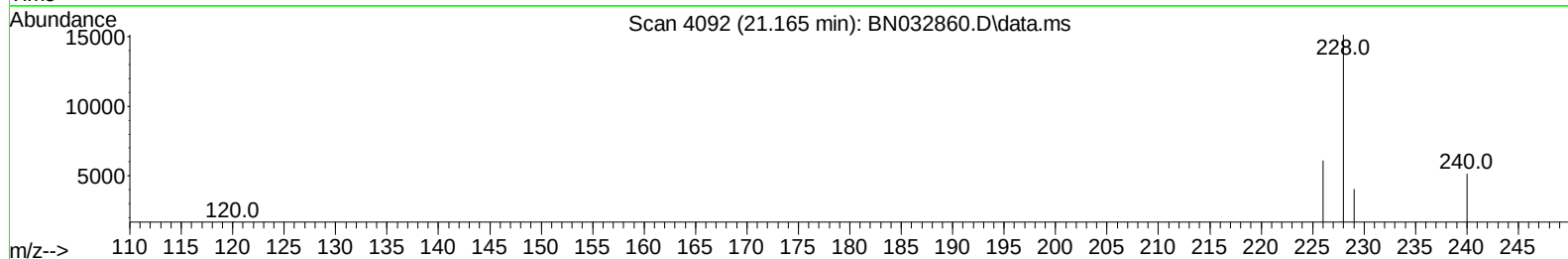
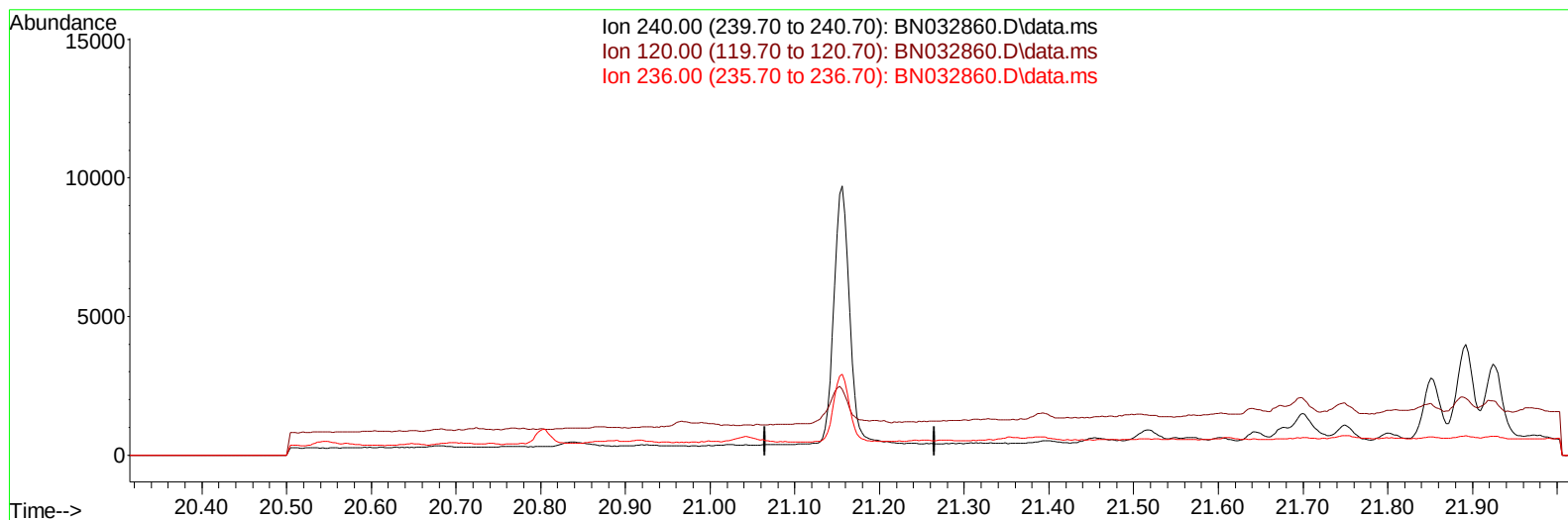
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032860.D
Acq On : 20 Jul 2024 03:14
Operator : MA/JU
Sample : P3178-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT1

Manual IntegrationsAPPROVED

Quant Time: Jul 20 03:50:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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TIC: BN032860.D\data.ms

(17) Chrysene-d12

21.165min (-21.165) 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

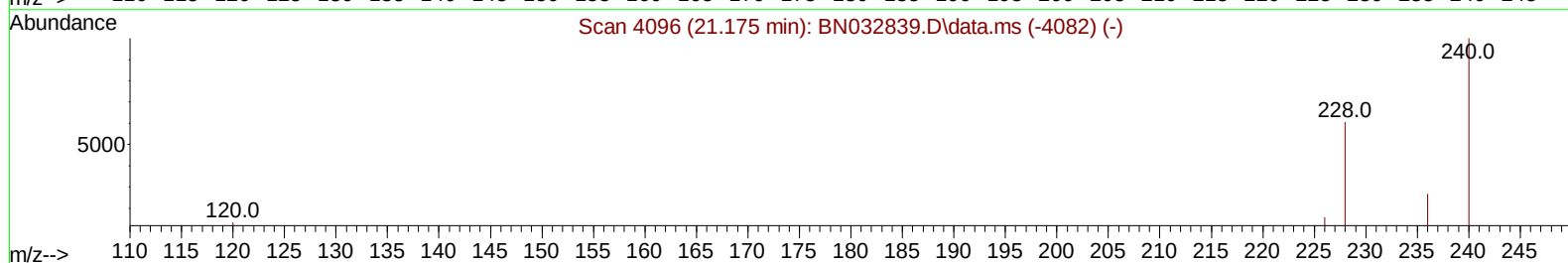
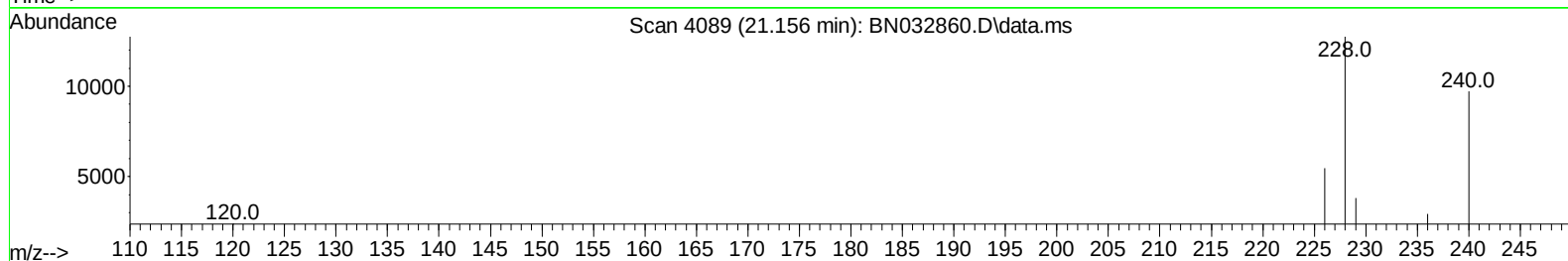
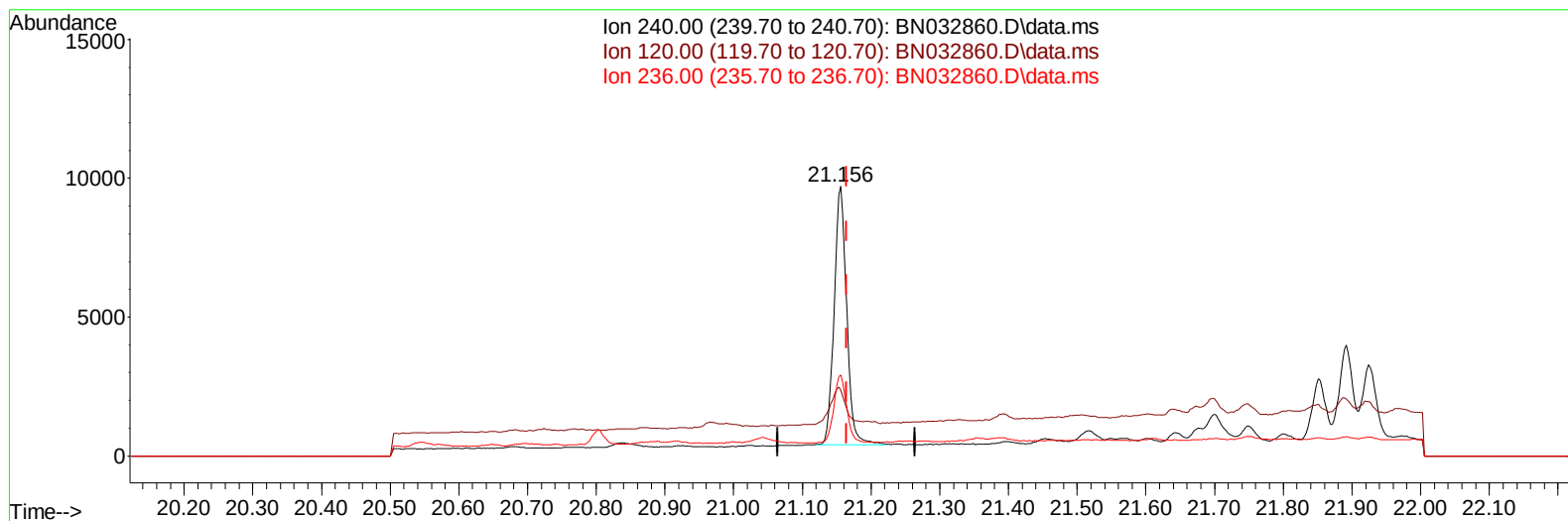
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032860.D
Acq On : 20 Jul 2024 03:14
Operator : MA/JU
Sample : P3178-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT1

Manual IntegrationsAPPROVED

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

Quant Time: Jul 20 03:50:36 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 : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration



TIC: BN032860.D\data.ms

(17) Chrysene-d12

21.156min (-0.009) 0.40 ng/ul m

response 11914

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.00	24.42#
236.00	28.40	30.13
0.00	0.00	0.00

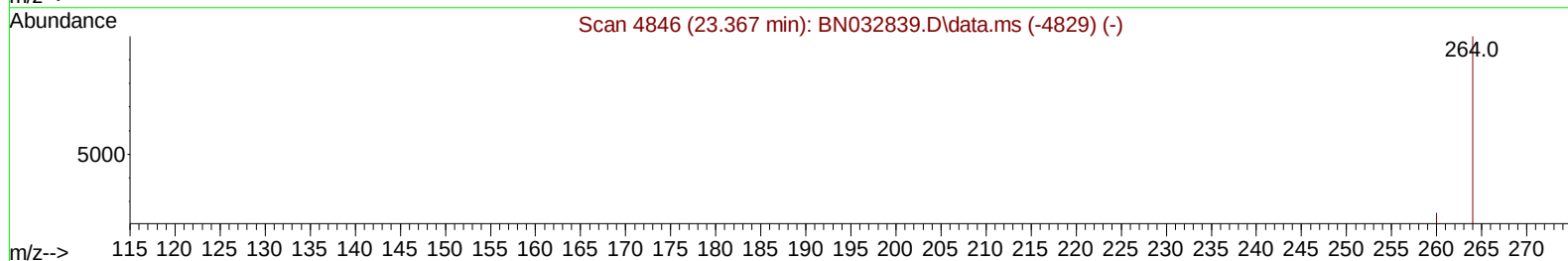
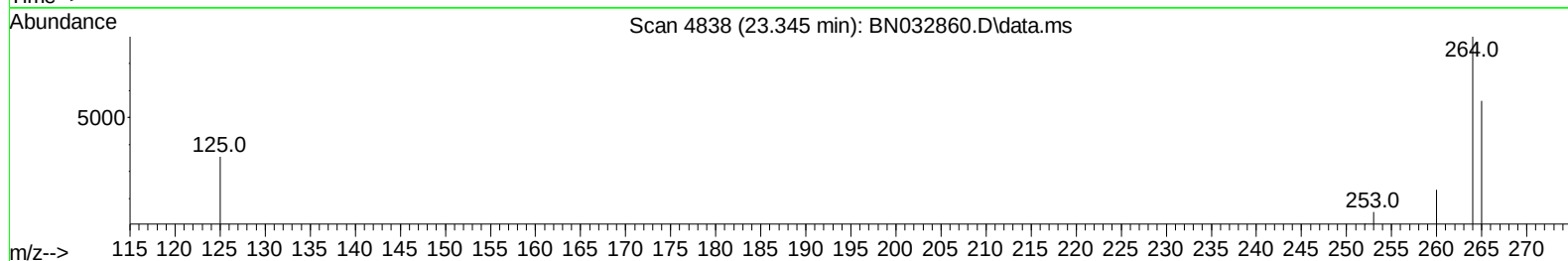
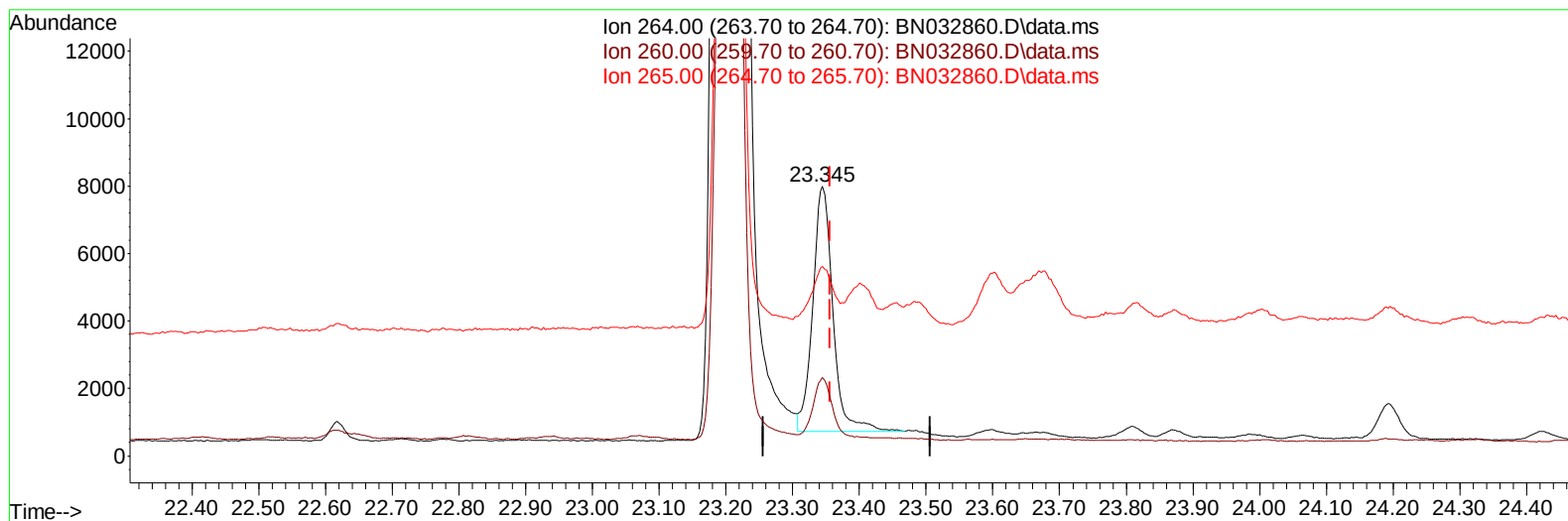
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032860.D
Acq On : 20 Jul 2024 03:14
Operator : MA/JU
Sample : P3178-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT1

Manual IntegrationsAPPROVED

Quant Time: Jul 20 03:50:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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TIC: BN032860.D\data.ms

(23) Perylene-d12 (I)

23.345min (-0.012) 0.40 ng/u1

response 15162

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	29.10
265.00	95.50	70.33#
0.00	0.00	0.00

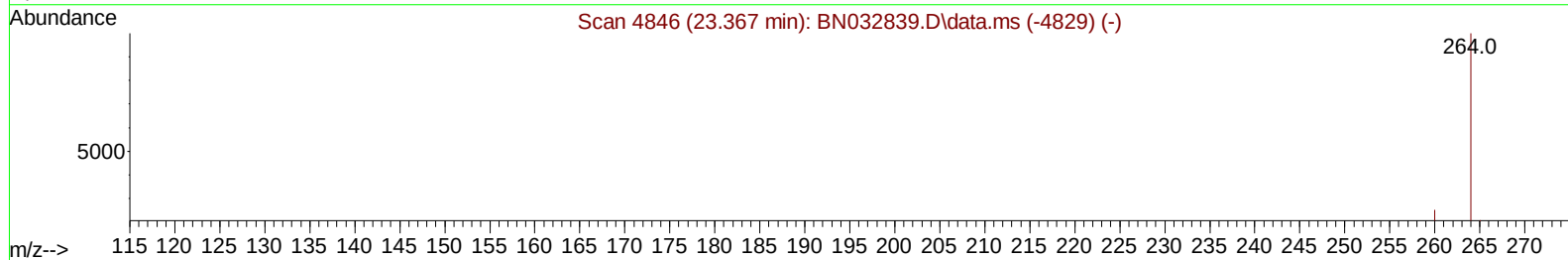
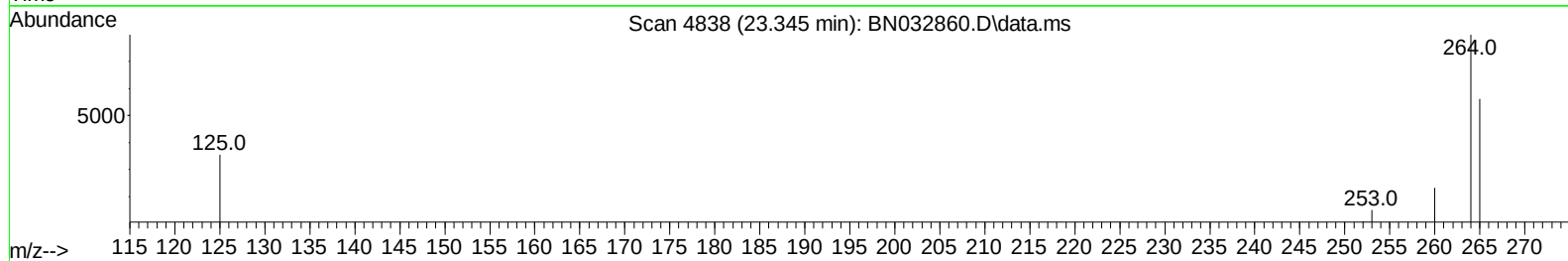
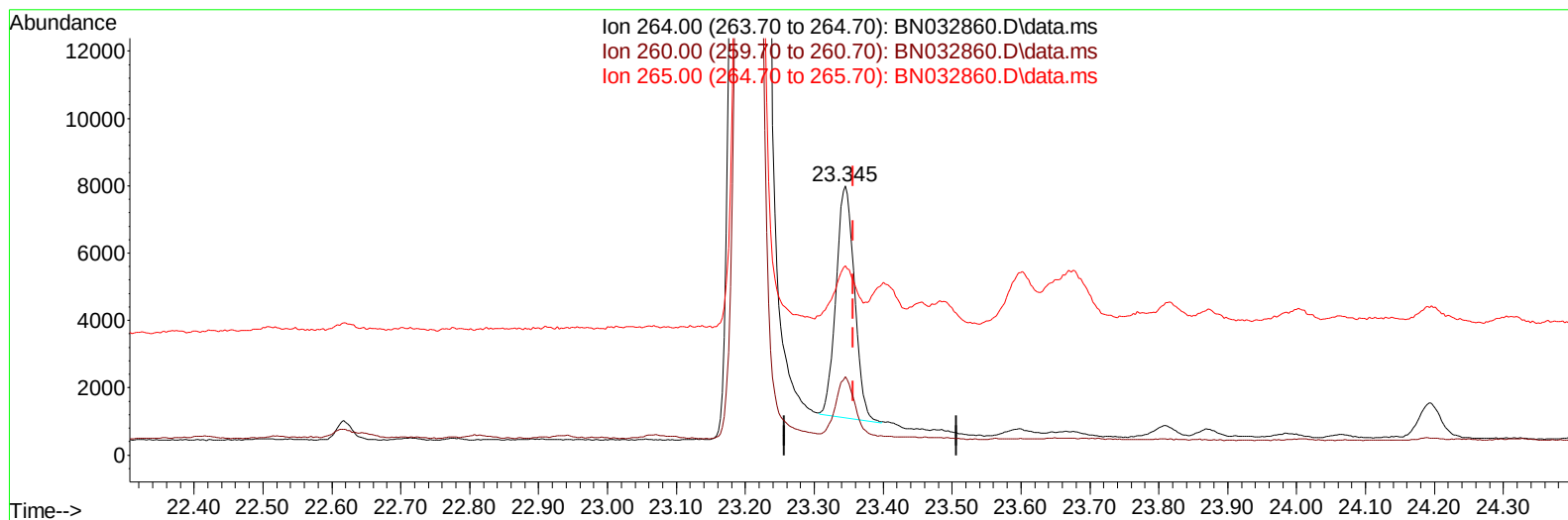
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032860.D
Acq On : 20 Jul 2024 03:14
Operator : MA/JU
Sample : P3178-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT1

Manual IntegrationsAPPROVED

Quant Time: Jul 20 03:50:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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QLast Update : Sat Jul 20 01:52:15 2024
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TIC: BN032860.D\data.ms

(23) Perylene-d12 (I)

23.345min (-0.012) 0.40 ng/ul m

response 12784

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	29.10
265.00	95.50	70.33#
0.00	0.00	0.00

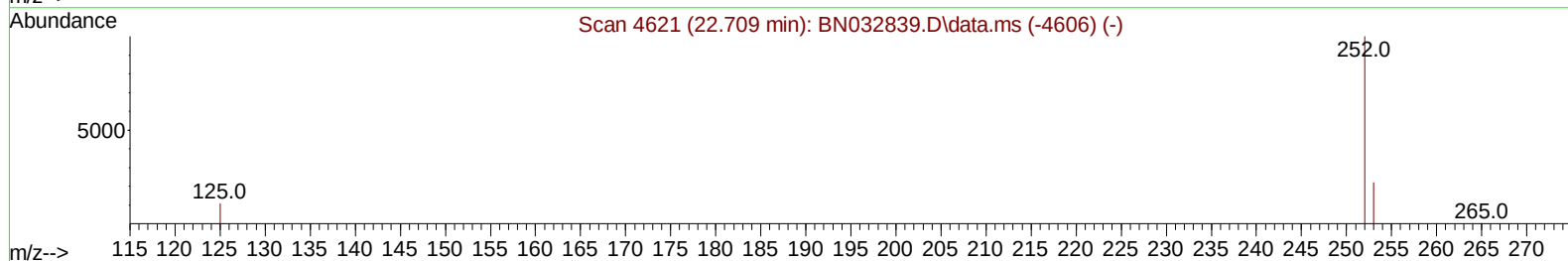
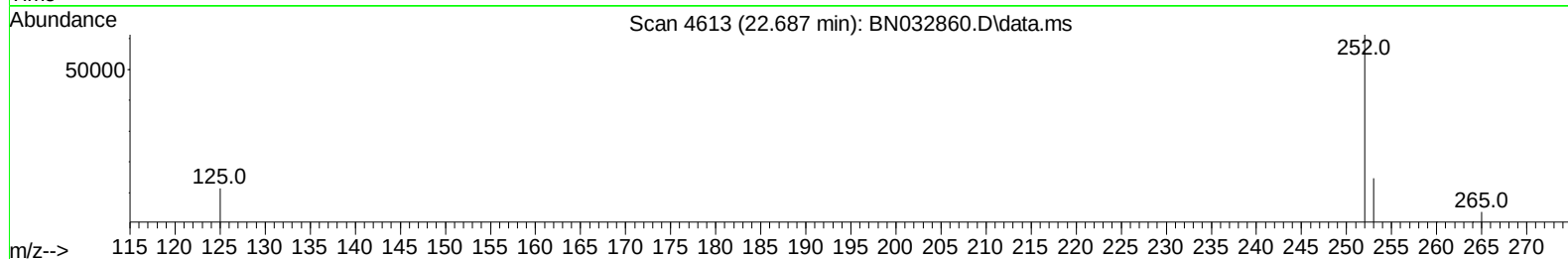
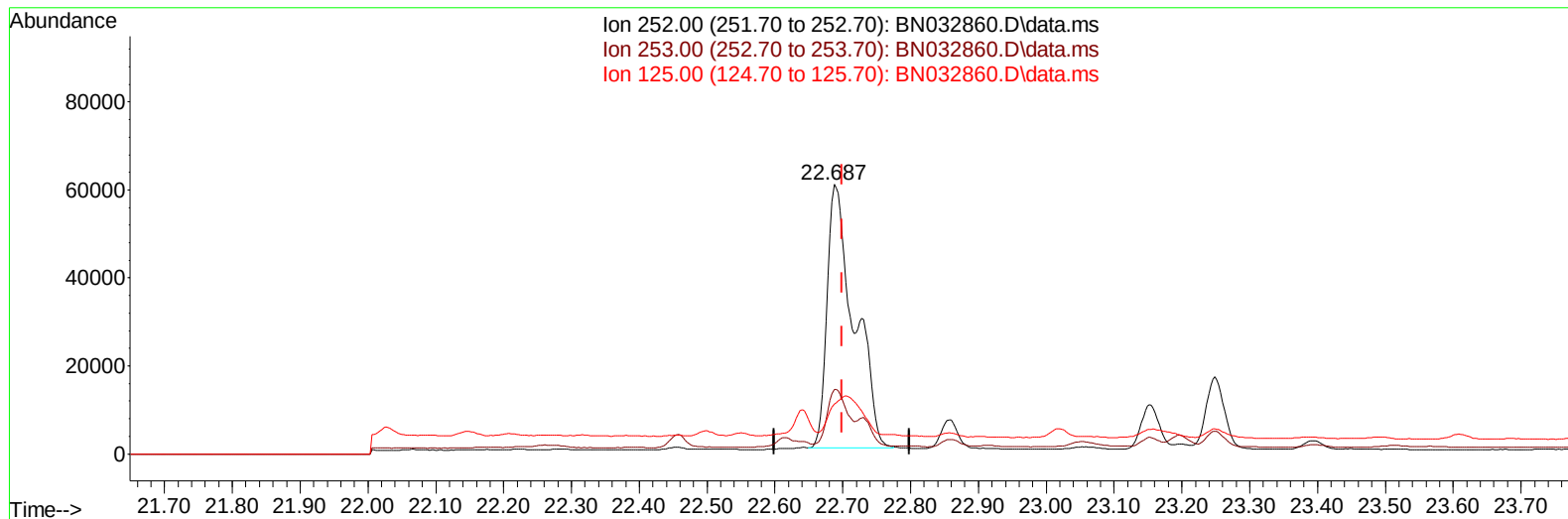
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032860.D
Acq On : 20 Jul 2024 03:14
Operator : MA/JU
Sample : P3178-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT1

Manual IntegrationsAPPROVED

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TIC: BN032860.D\data.ms

(24) Benzo(b)fluoranthene

22.687min (-0.012) 3.68 ng/u1

response 165890

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	24.01
125.00	18.00	18.60
0.00	0.00	0.00

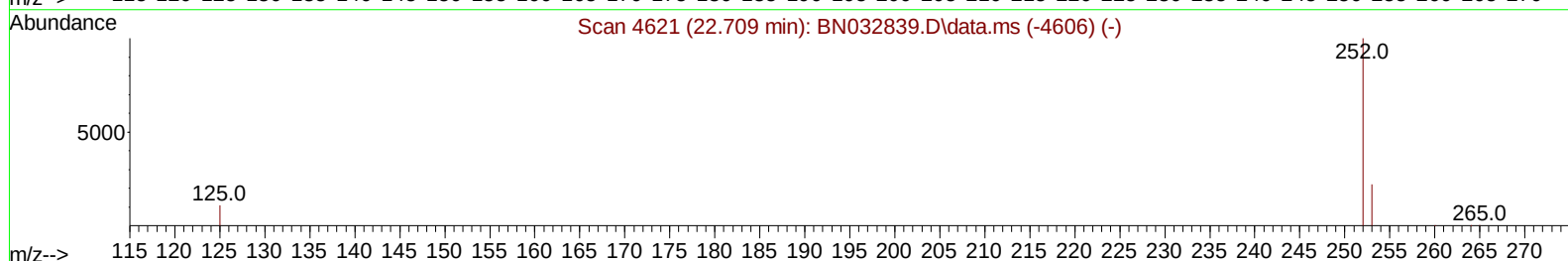
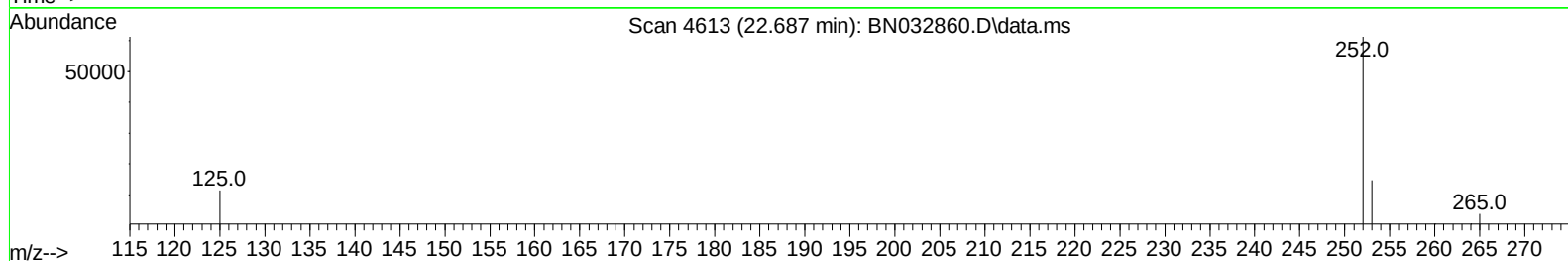
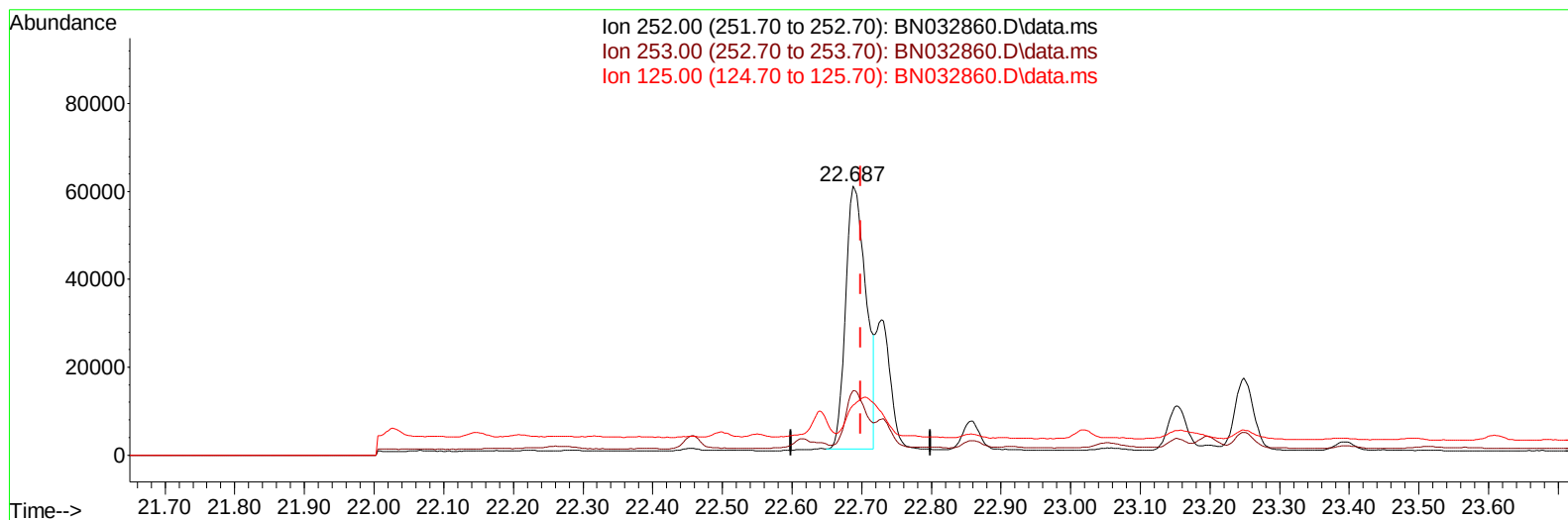
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032860.D
Acq On : 20 Jul 2024 03:14
Operator : MA/JU
Sample : P3178-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT1

Manual IntegrationsAPPROVED

Quant Time: Jul 20 03:50:36 2024
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QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

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



TIC: BN032860.D\data.ms

(24) Benzo(b)fluoranthene

22.687min (-0.012) 2.70 ng/ul m

response 121784

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	24.01
125.00	18.00	18.60
0.00	0.00	0.00

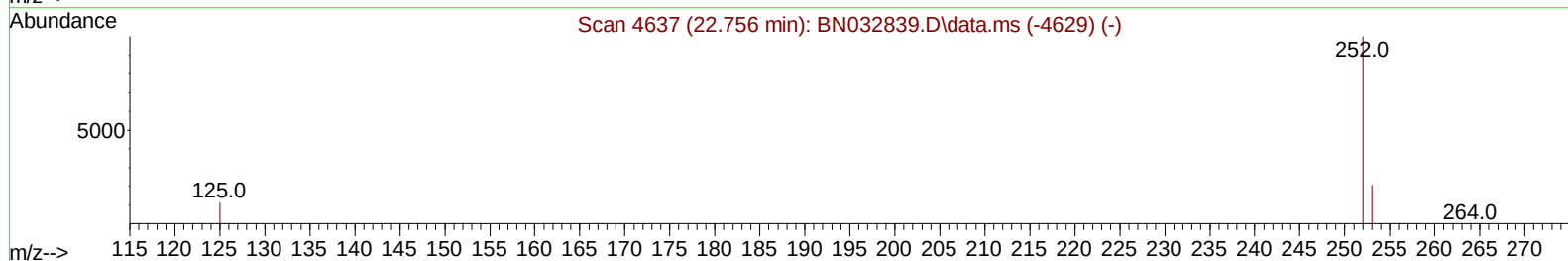
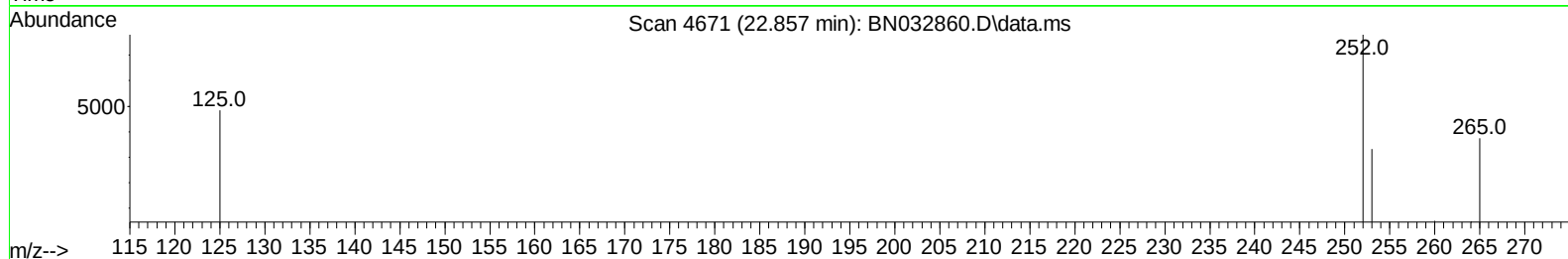
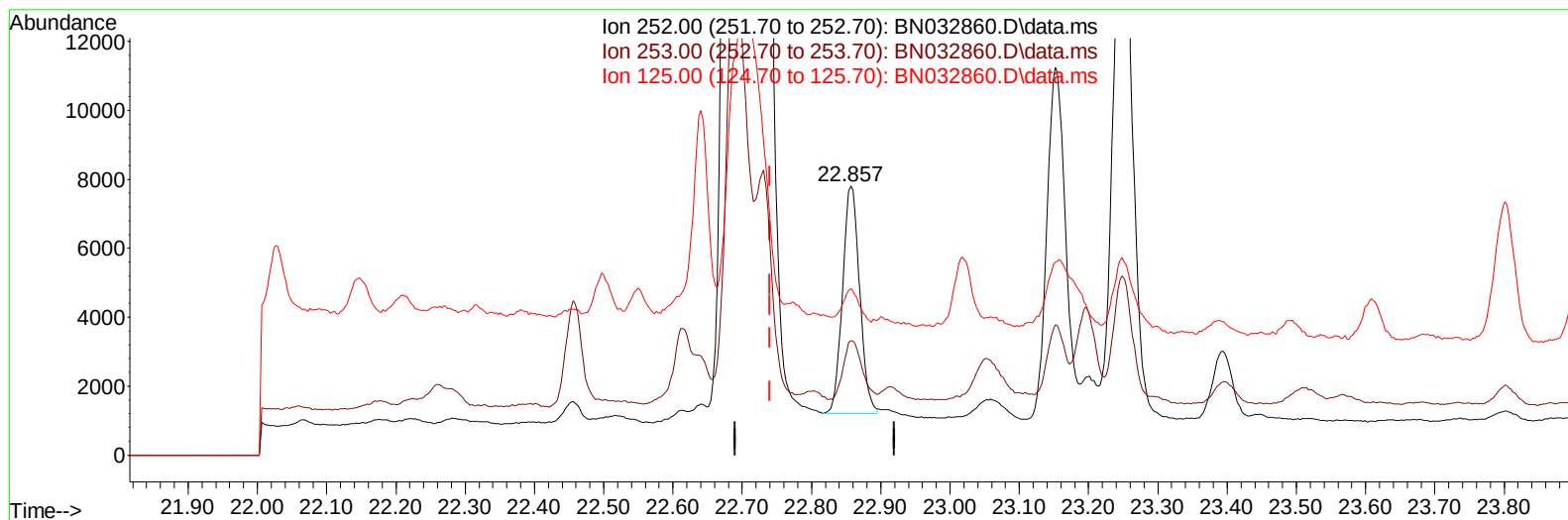
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032860.D
Acq On : 20 Jul 2024 03:14
Operator : MA/JU
Sample : P3178-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT1

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 07/22/2024



TIC: BN032860.D\data.ms

(25) Benzo(k)fluoranthene

22.857min (+ 0.117) 0.21 ng/u1

response 11276

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	42.54#
125.00	18.50	61.87#
0.00	0.00	0.00

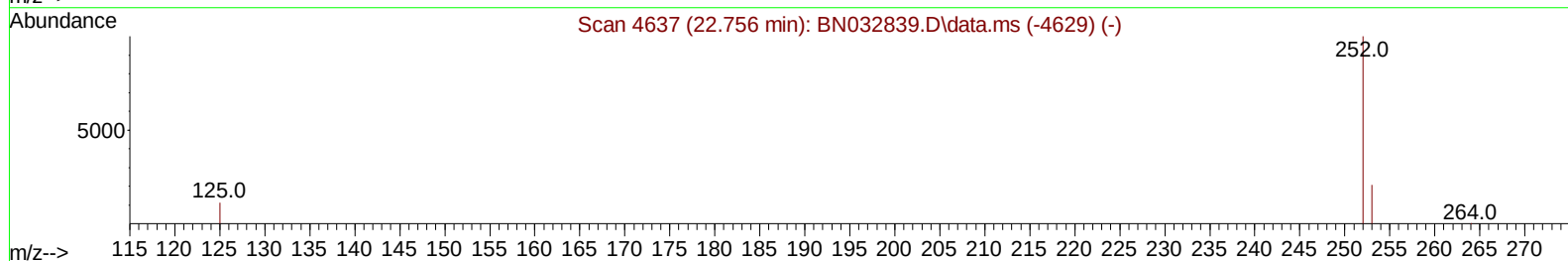
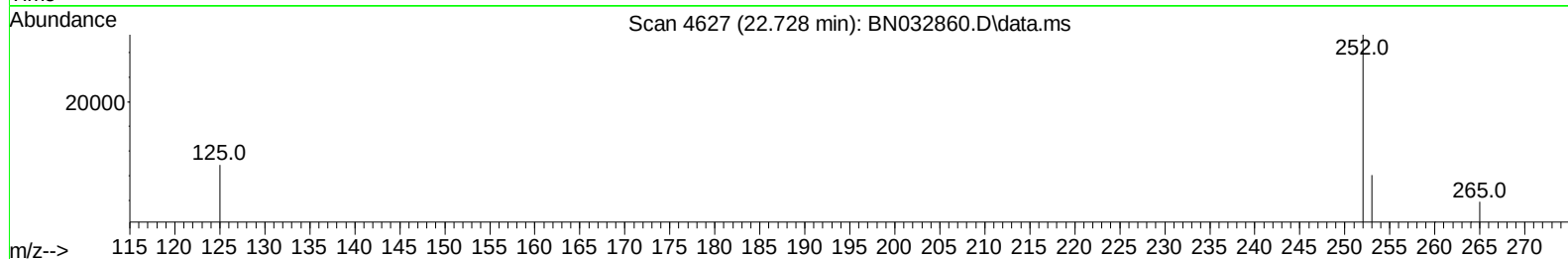
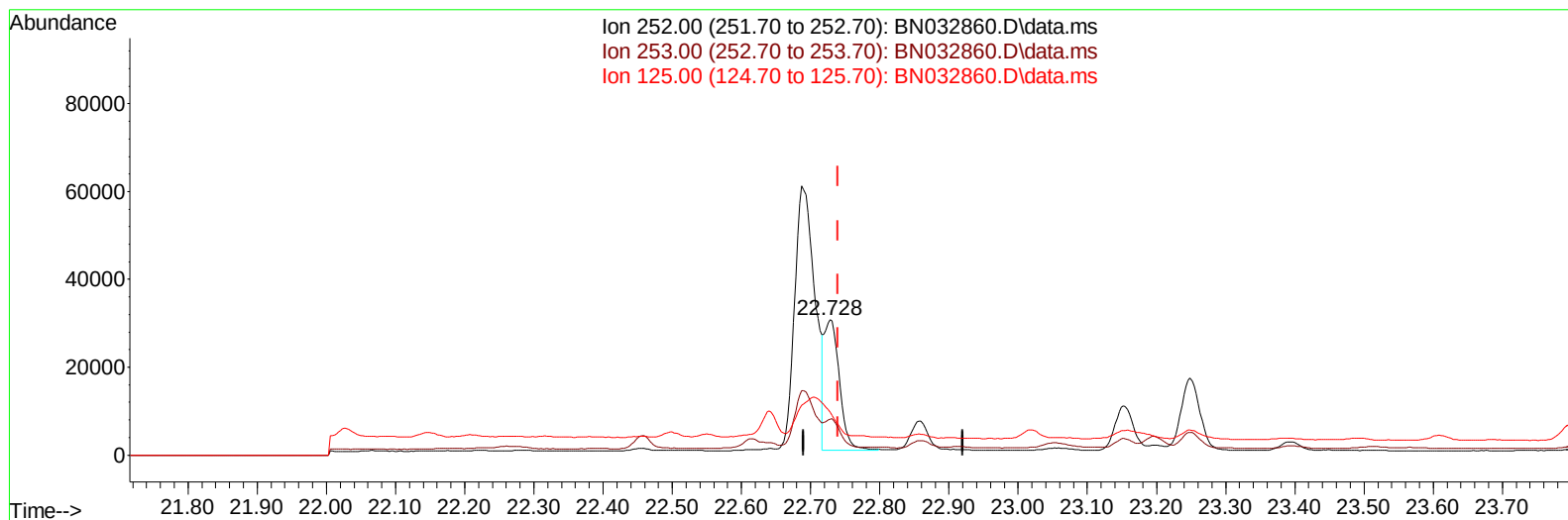
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032860.D
Acq On : 20 Jul 2024 03:14
Operator : MA/JU
Sample : P3178-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT1

Manual IntegrationsAPPROVED

Quant Time: Jul 20 03:50:36 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 : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

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



TIC: BN032860.D\data.ms

(25) Benzo(k)fluoranthene

22.728min (-0.012) 0.83 ng/ul m

response 45554

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	26.38
125.00	18.50	31.70#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.527	152	3713	0.400	ng/ul	0.00
4) Naphthalene-d8	10.294	136	11516	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.179	164	6902	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.940	188	13287m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.156	240	11914m	0.400	ng/ul	0.00
23) Perylene-d12	23.345	264	12784m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.089	96	14885	3.339	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.900	152	4355	0.250	ng/ul	-0.03
18) Fluoranthene-d10	18.980	212	9389	0.242	ng/ul	-0.02
Target Compounds						Qvalue
5) Naphthalene	10.343	128	2183	0.071	ng/ul#	89
7) 2-Methylnaphthalene	11.977	142	898	0.047	ng/ul	97
8) 1-Methylnaphthalene	12.197	142	635	0.032	ng/ul	97
10) Acenaphthylene	13.901	152	4462	0.160	ng/ul	93
11) Acenaphthene	14.239	153	3218	0.140	ng/ul	99
12) Fluorene	15.238	166	3382	0.128	ng/ul#	99
15) Phenanthrene	16.982	178	63805m	1.763	ng/ul	
16) Anthracene	17.075	178	12295m	0.416	ng/ul	
19) Fluoranthene	19.013	202	156170	3.224	ng/ul	99
20) Pyrene	19.380	202	93475	1.864	ng/ul	97
21) Benzo(a)anthracene	21.138	228	68266	1.800	ng/ul	97
22) Chrysene	21.191	228	84995	1.549	ng/ul	97
24) Benzo(b)fluoranthene	22.687	252	121784m	2.700	ng/ul	
25) Benzo(k)fluoranthene	22.728	252	45554m	0.829	ng/ul	
26) Benzo(a)pyrene	23.248	252	31360	0.803	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	25.552	276	39092	0.740	ng/ul#	98
28) Dibenzo(a,h)anthracene	25.549	278	14696	0.359	ng/ul#	55
29) Benzo(g,h,i)perylene	26.236	276	5765	0.131	ng/ul#	35

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

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