

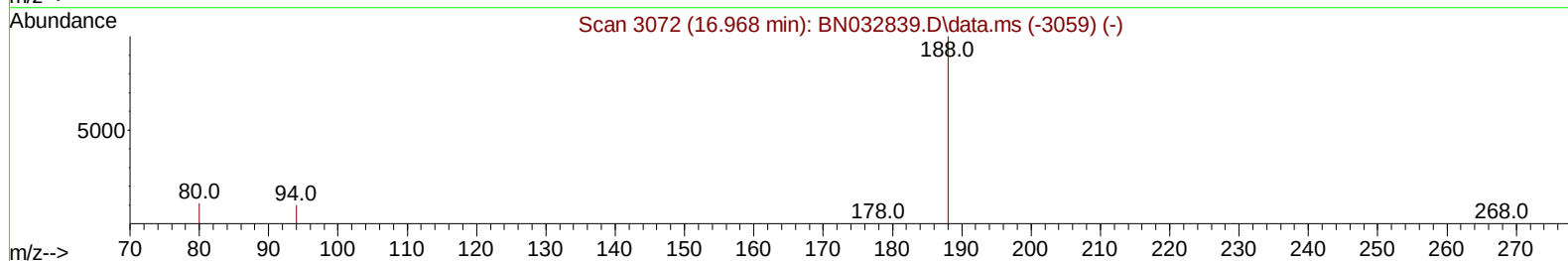
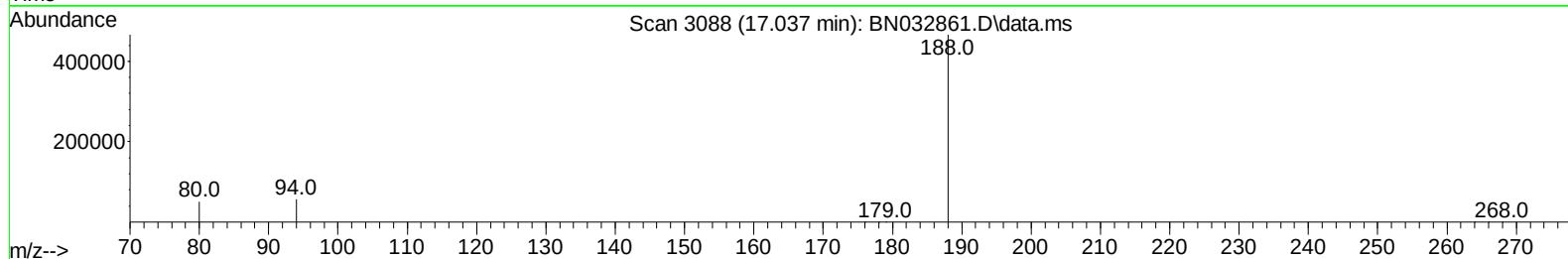
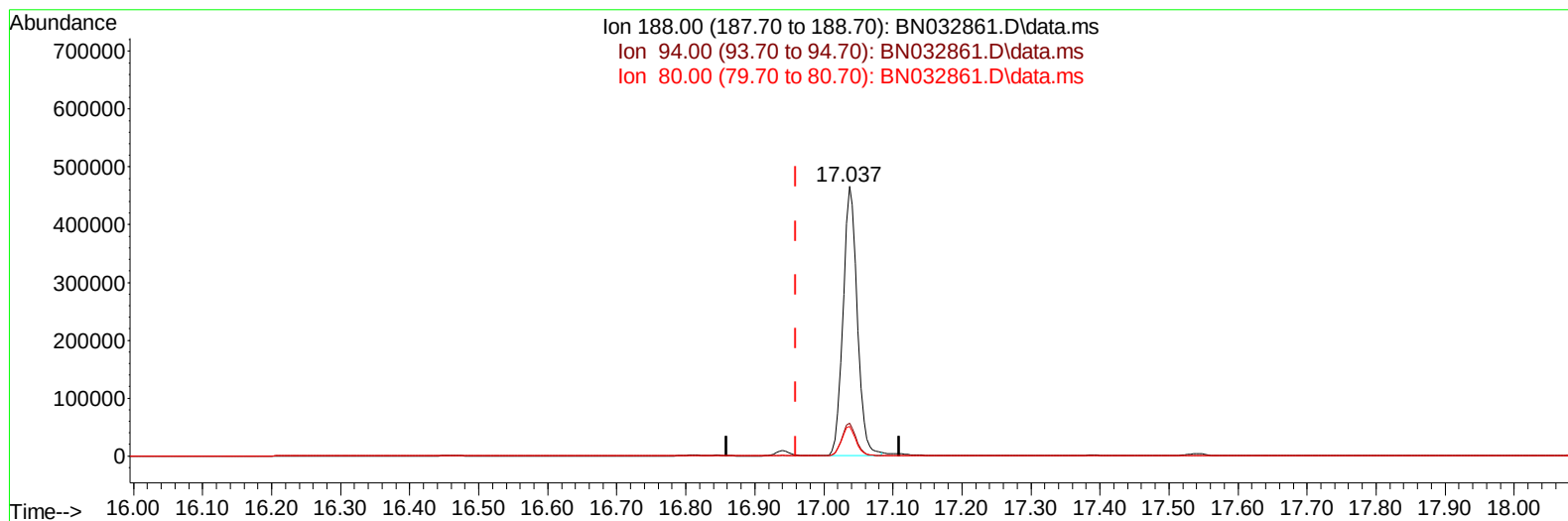
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032861.D
Acq On : 20 Jul 2024 03:50
Operator : MA/JU
Sample : P3178-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT5

Manual IntegrationsAPPROVED

Quant Time: Jul 20 04:17:01 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: BN032861.D\data.ms

(13) Phenanthrene-d10 (I)

17.037min (+ 0.077) 0.40 ng/u1

response 672202

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	12.09
80.00	12.00	10.96
0.00	0.00	0.00

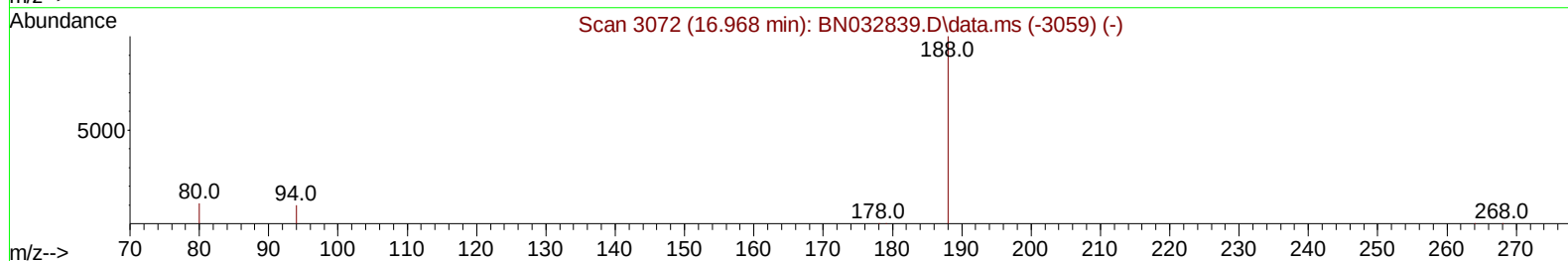
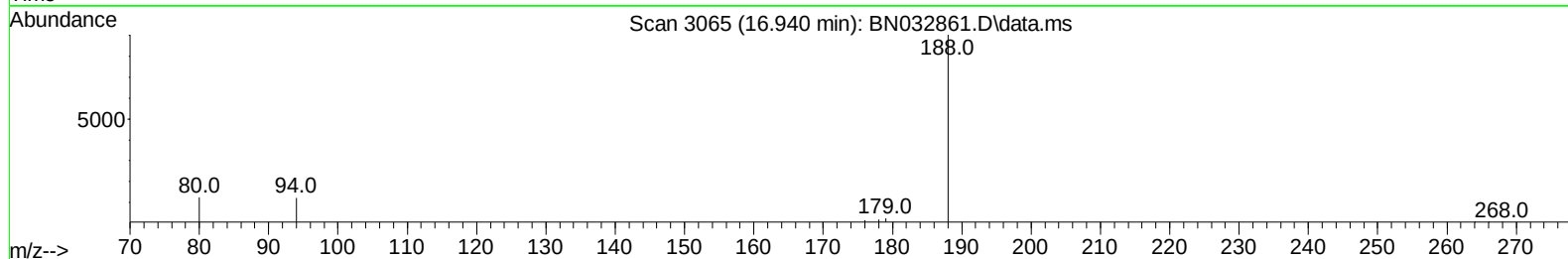
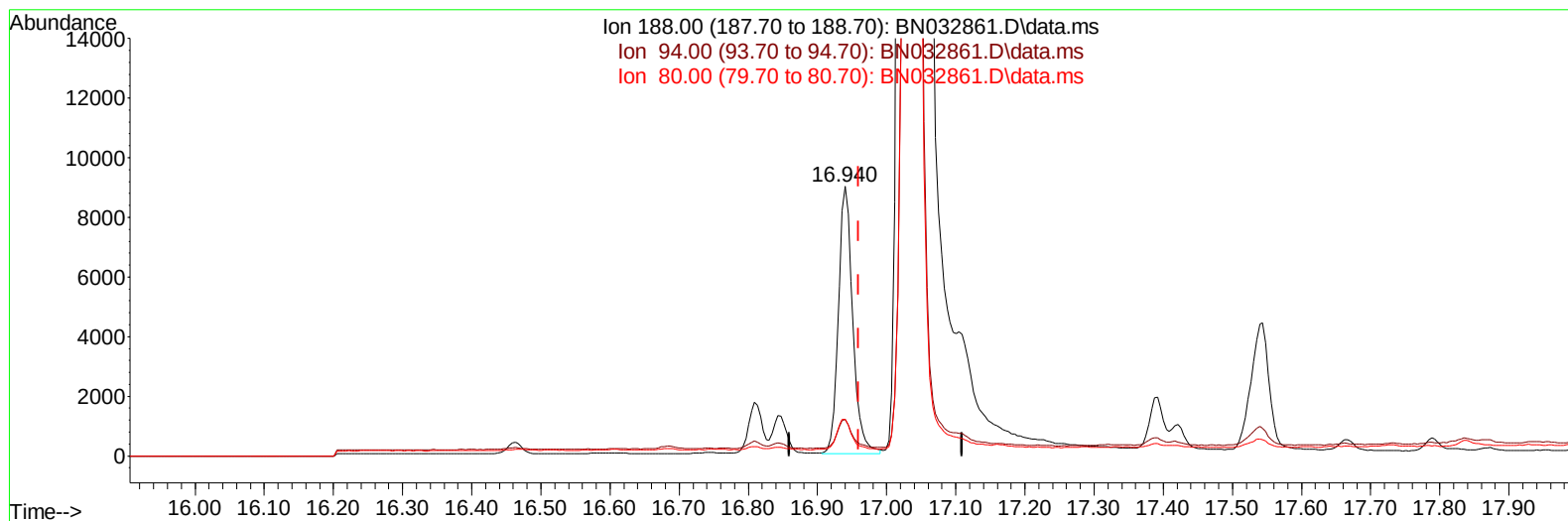
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032861.D
Acq On : 20 Jul 2024 03:50
Operator : MA/JU
Sample : P3178-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT5

Manual IntegrationsAPPROVED

Quant Time: Jul 20 04:17:01 2024
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Reviewed By :Yogesh Patel 07/20/2024
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TIC: BN032861.D\data.ms

(13) Phenanthrene-d10 (I)

16.940min (-0.020) 0.40 ng/ul m

response 12840

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	13.48#
80.00	12.00	13.69
0.00	0.00	0.00

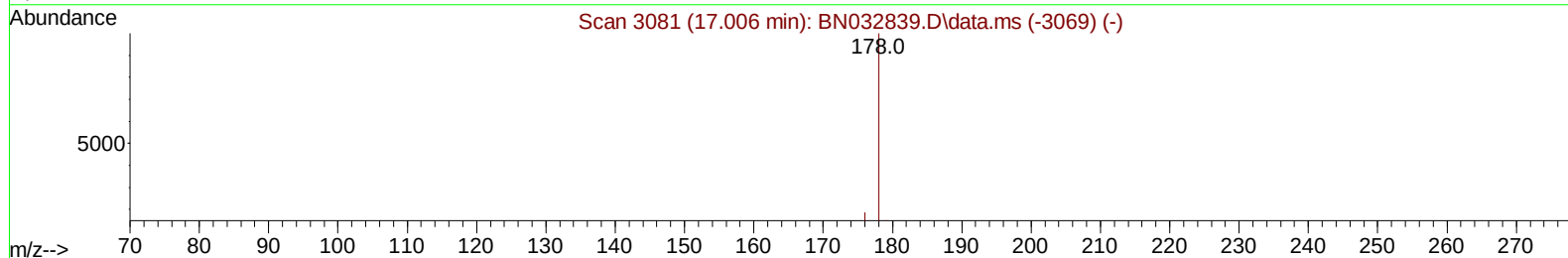
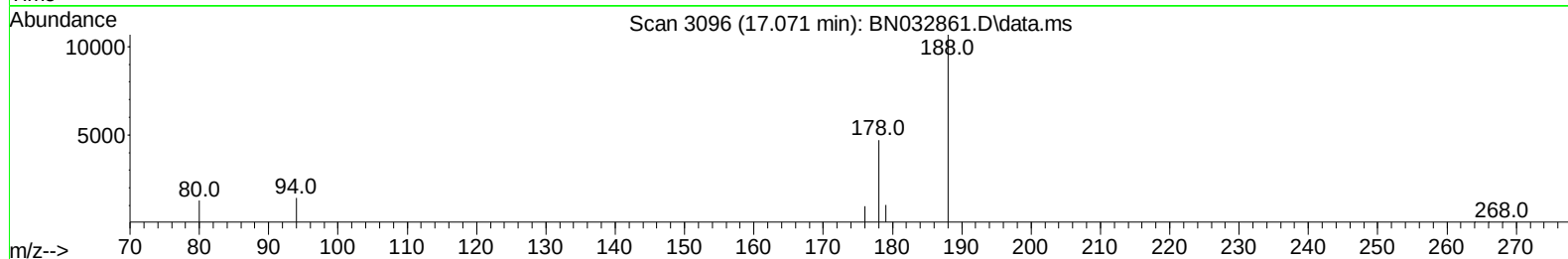
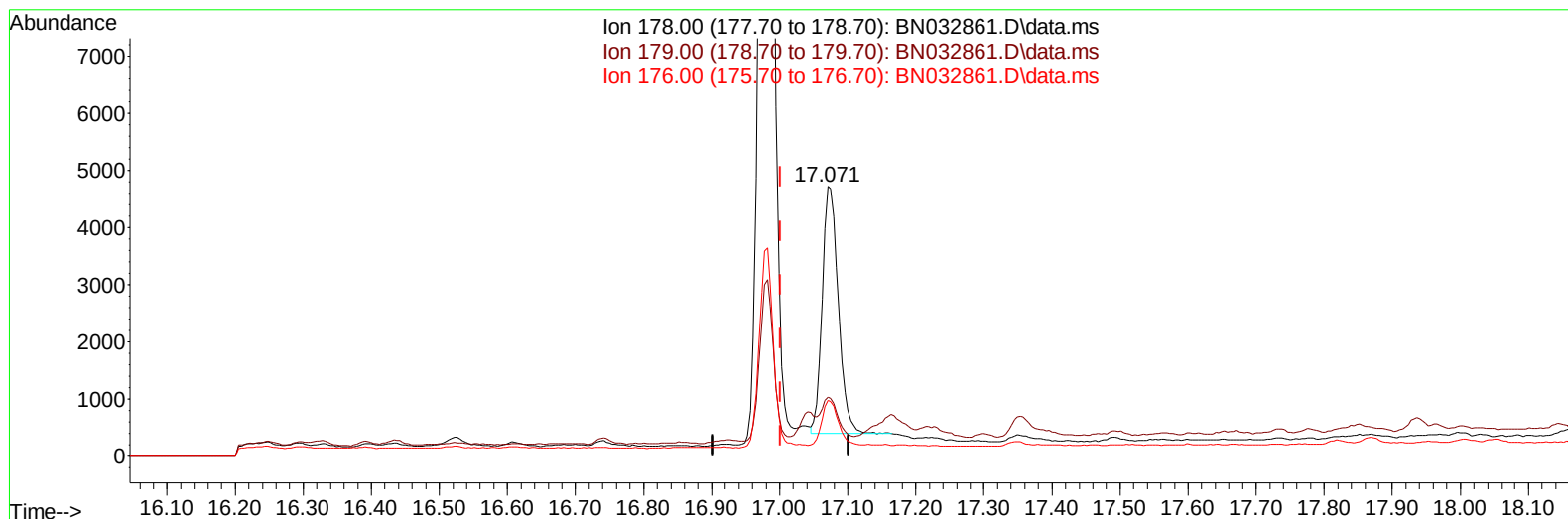
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032861.D
Acq On : 20 Jul 2024 03:50
Operator : MA/JU
Sample : P3178-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT5

Manual IntegrationsAPPROVED

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TIC: BN032861.D\data.ms

(15) Phenanthrene

17.071min (+ 0.069) 0.20 ng/ul

response 7106

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	21.84#
176.00	19.50	20.63
0.00	0.00	0.00

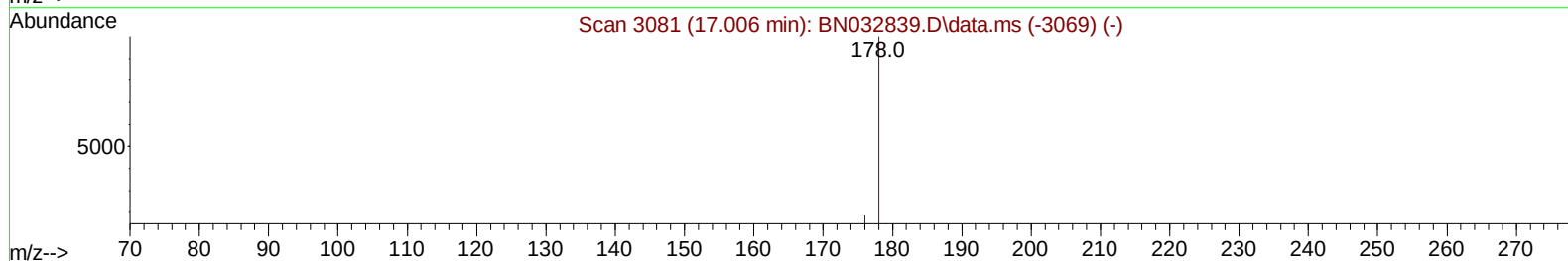
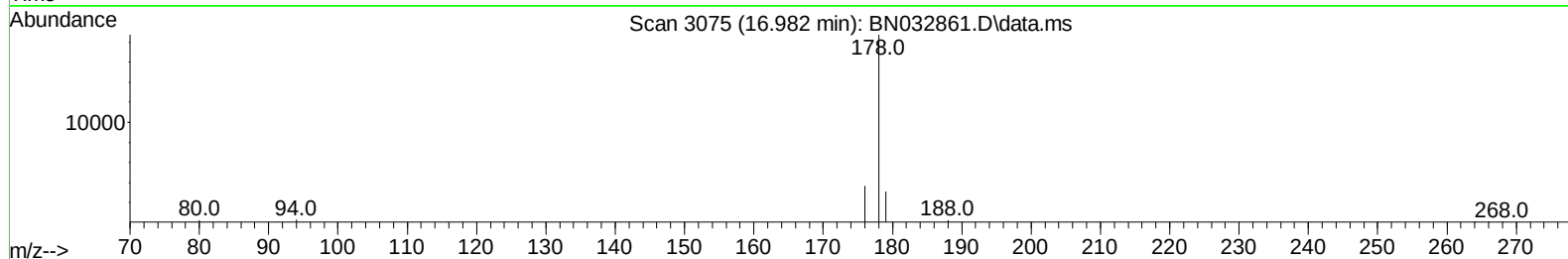
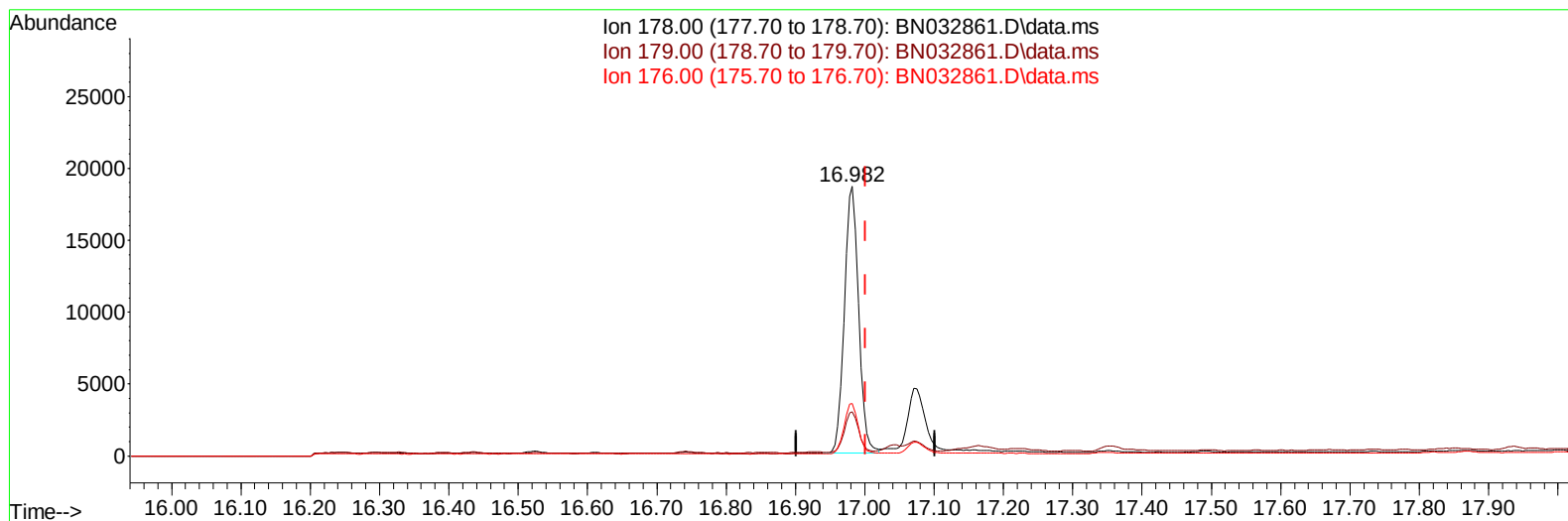
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032861.D
Acq On : 20 Jul 2024 03:50
Operator : MA/JU
Sample : P3178-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT5

Manual IntegrationsAPPROVED

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TIC: BN032861.D\data.ms

(15) Phenanthrene

16.982min (-0.020) 0.76 ng/ul m

response 26553

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	16.47
176.00	19.50	19.44
0.00	0.00	0.00

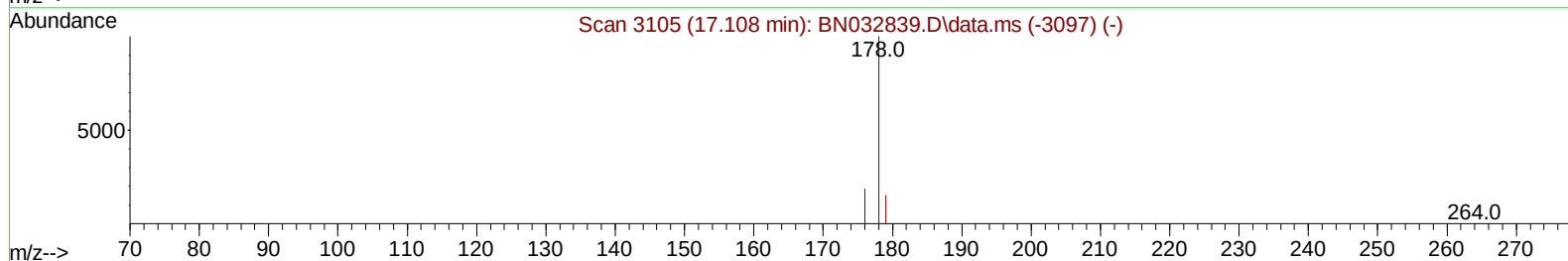
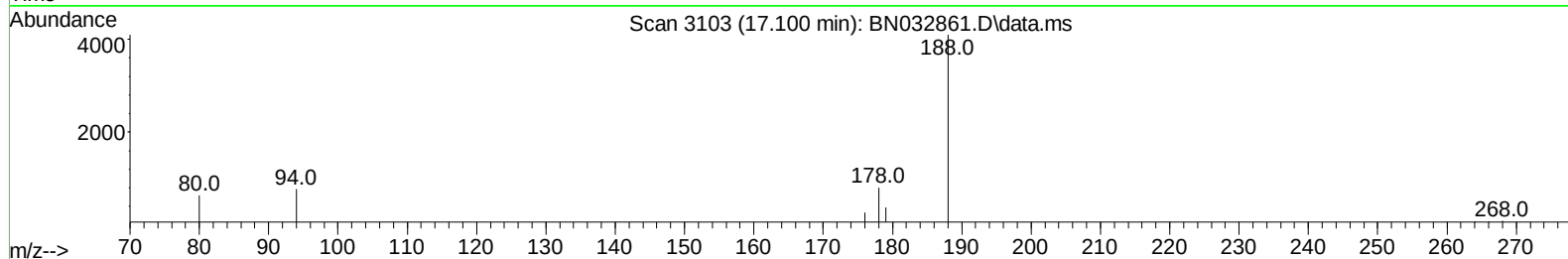
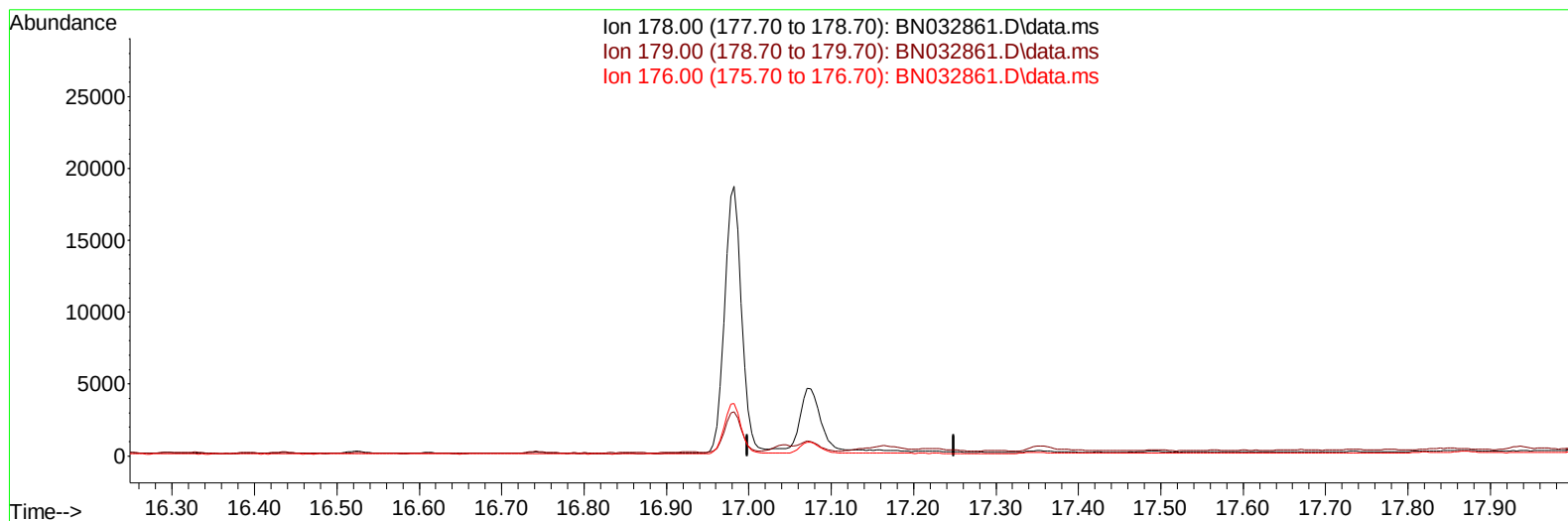
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032861.D
Acq On : 20 Jul 2024 03:50
Operator : MA/JU
Sample : P3178-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT5

Manual IntegrationsAPPROVED

Quant Time: Jul 20 04:17:01 2024
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TIC: BN032861.D\data.ms

(16) Anthracene

17.099min (-17.099) 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

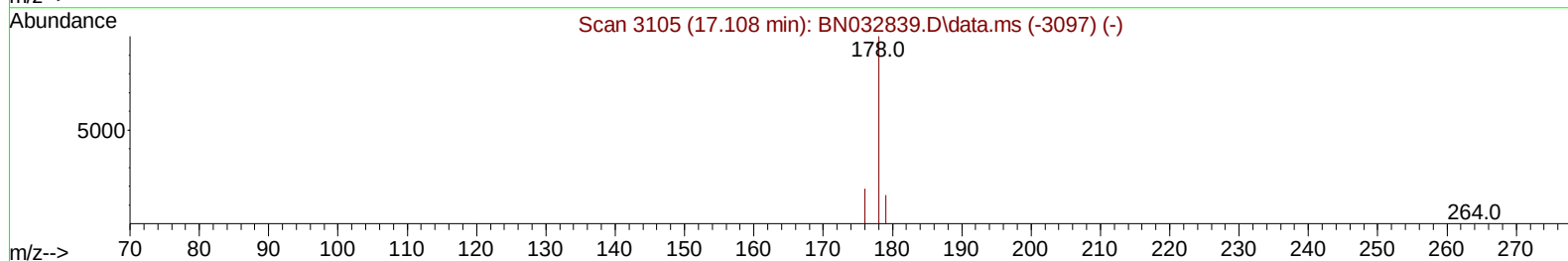
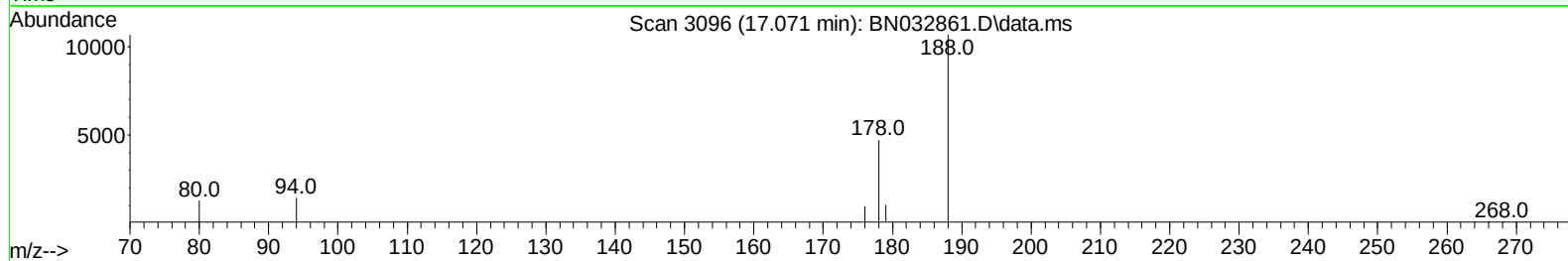
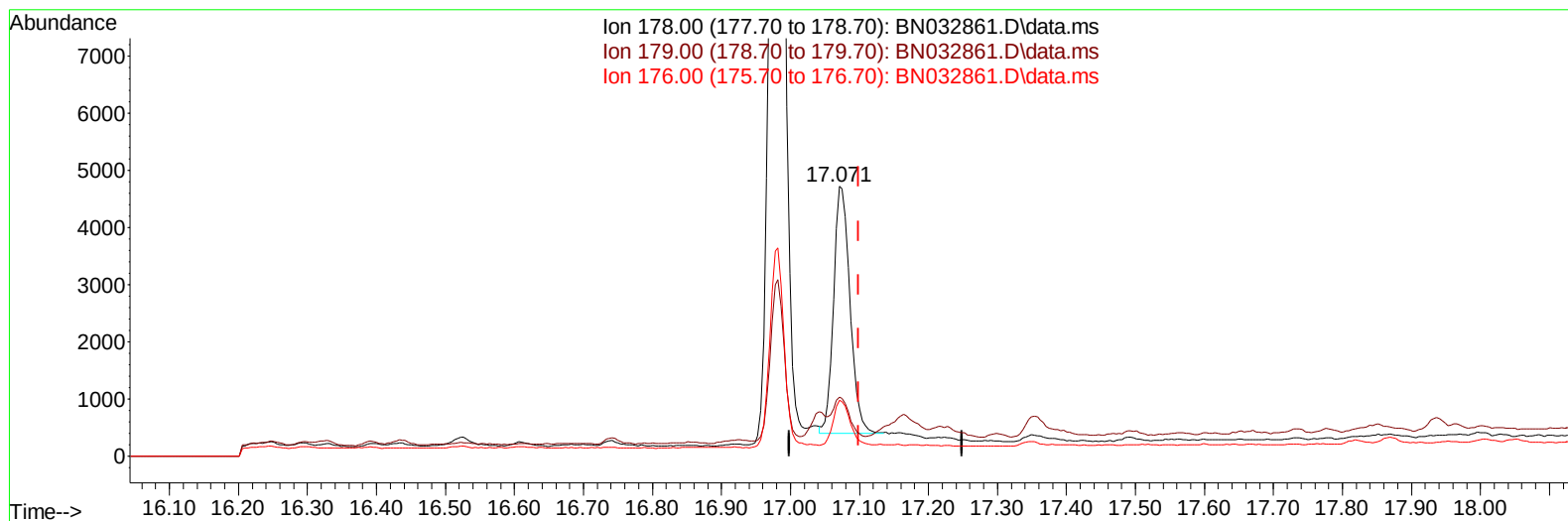
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032861.D
Acq On : 20 Jul 2024 03:50
Operator : MA/JU
Sample : P3178-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT5

Manual IntegrationsAPPROVED

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TIC: BN032861.D\data.ms

(16) Anthracene

17.071min (-0.028) 0.25 ng/ul m

response 7142

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	21.84#
176.00	19.20	20.63
0.00	0.00	0.00

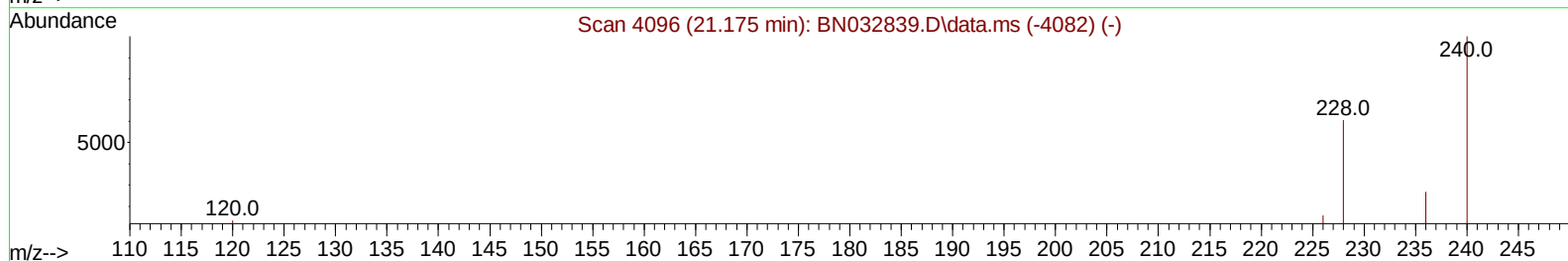
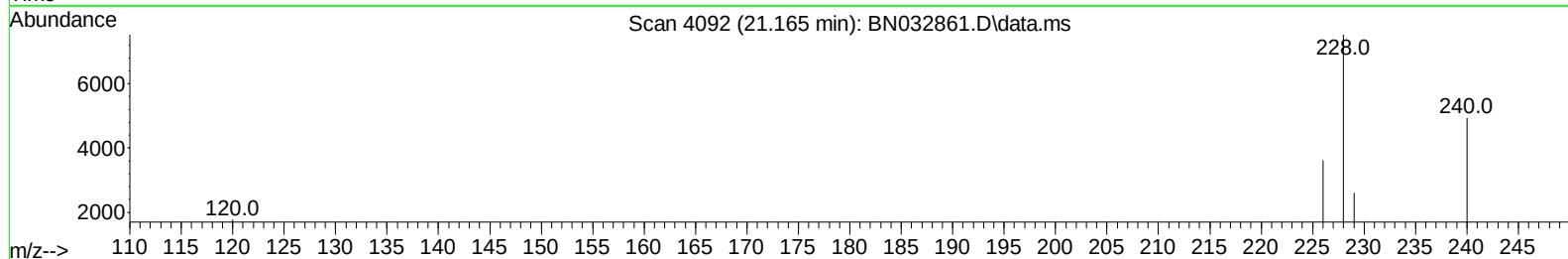
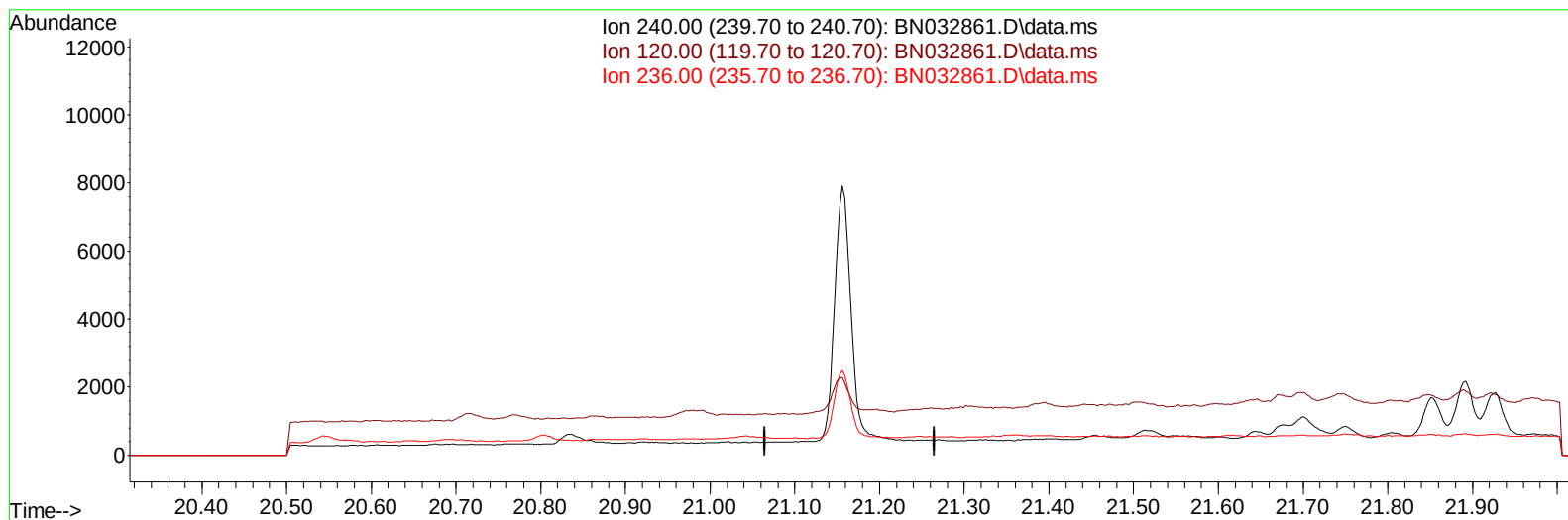
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Data File : BN032861.D
Acq On : 20 Jul 2024 03:50
Operator : MA/JU
Sample : P3178-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT5

Manual IntegrationsAPPROVED

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TIC: BN032861.D\data.ms

(17) Chrysene-d12

21.165min (-21.165) 0.00 ng/ul

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

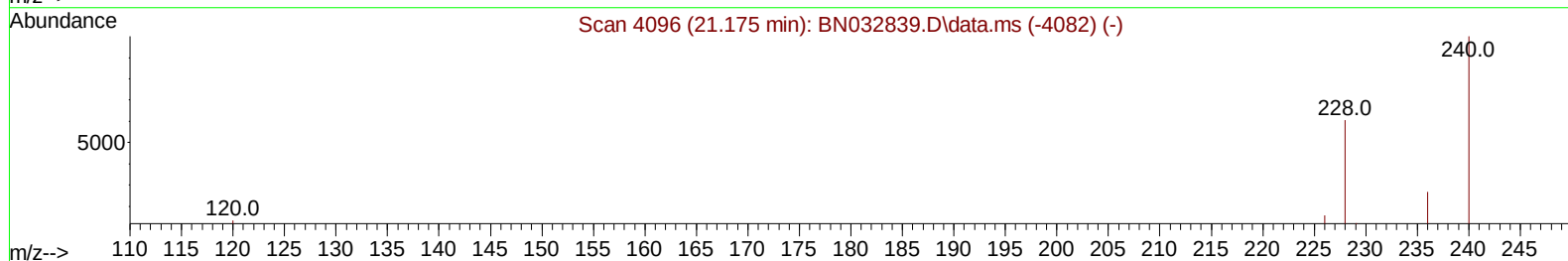
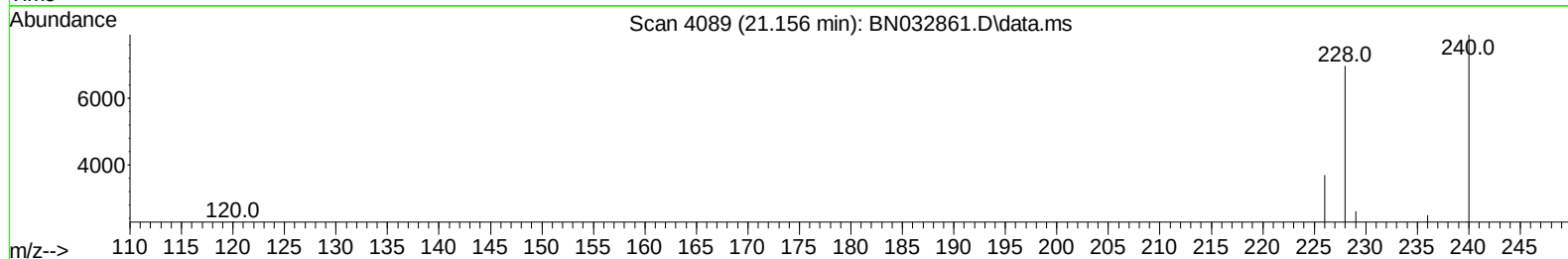
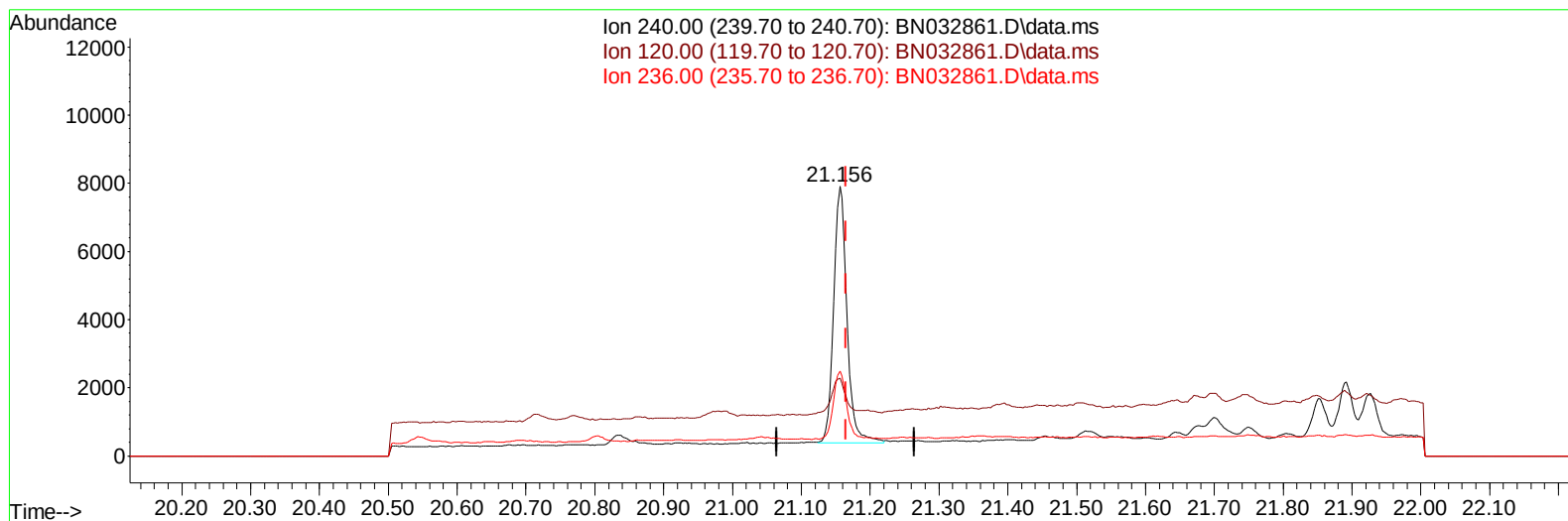
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032861.D
Acq On : 20 Jul 2024 03:50
Operator : MA/JU
Sample : P3178-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT5

Manual IntegrationsAPPROVED

Quant Time: Jul 20 04:17:01 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: BN032861.D\data.ms

(17) Chrysene-d12

21.156min (-0.009) 0.40 ng/ul m

response 10092

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.00	28.88#
236.00	28.40	31.44
0.00	0.00	0.00

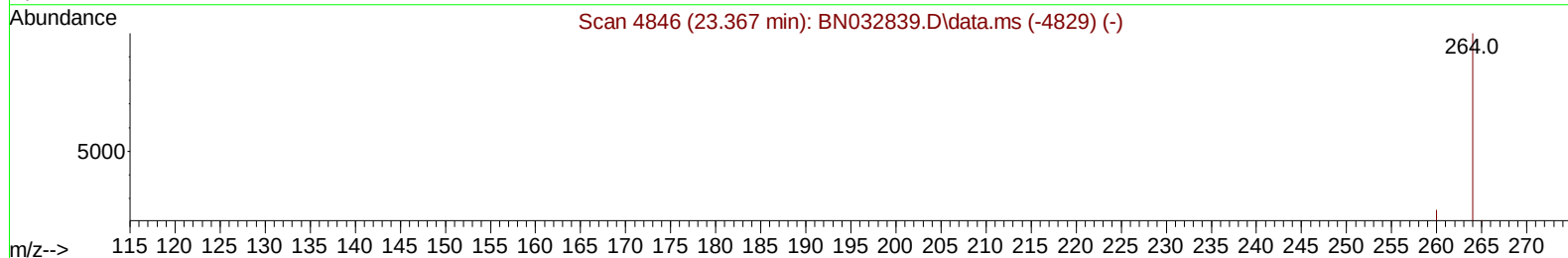
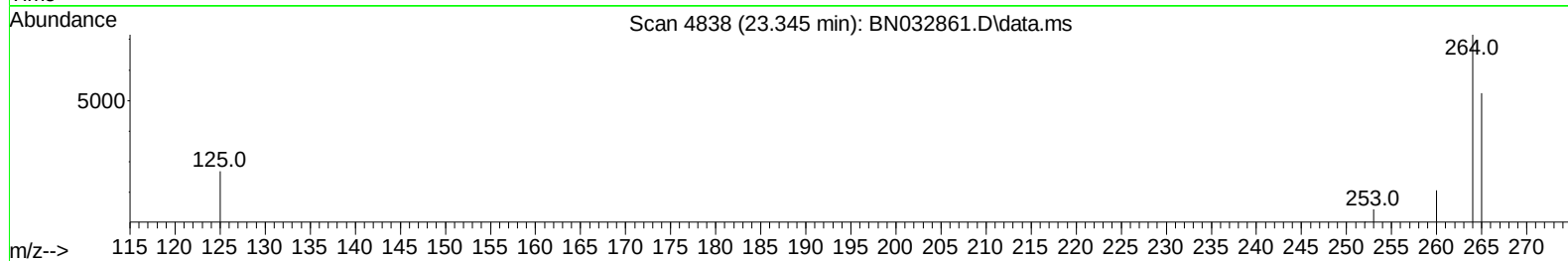
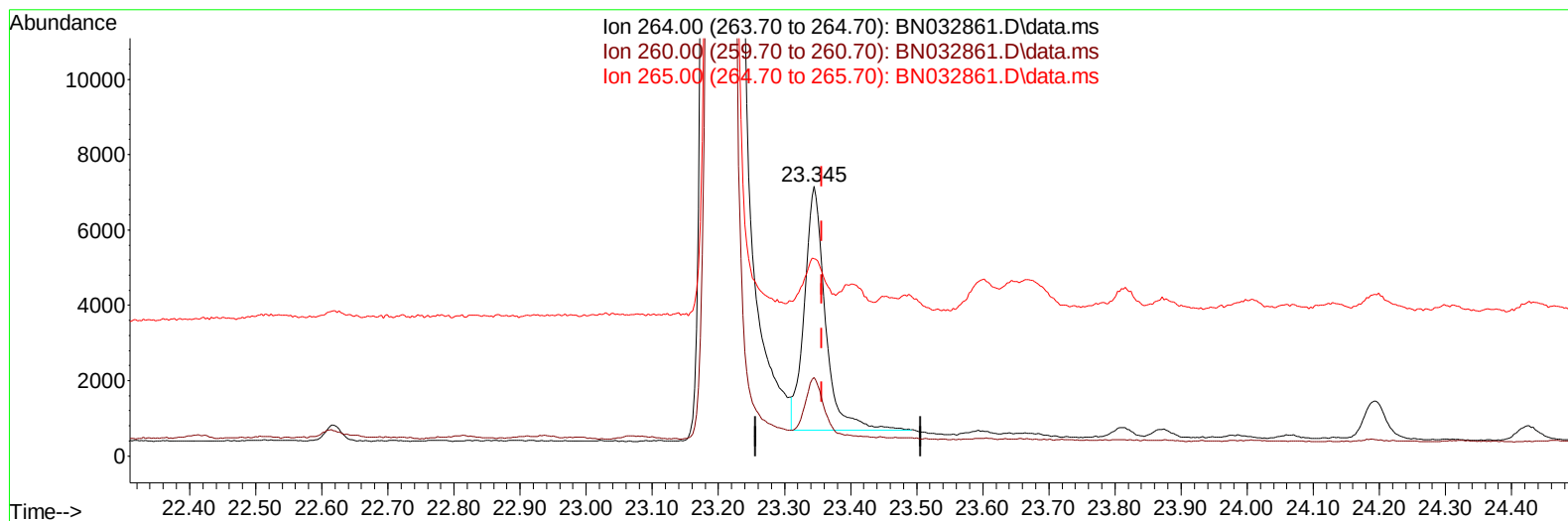
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032861.D
Acq On : 20 Jul 2024 03:50
Operator : MA/JU
Sample : P3178-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT5

Manual IntegrationsAPPROVED

Quant Time: Jul 20 04:17:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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TIC: BN032861.D\data.ms

(23) Perylene-d12 (I)

23.345min (-0.012) 0.40 ng/u1

response 14241

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	29.06
265.00	95.50	73.23#
0.00	0.00	0.00

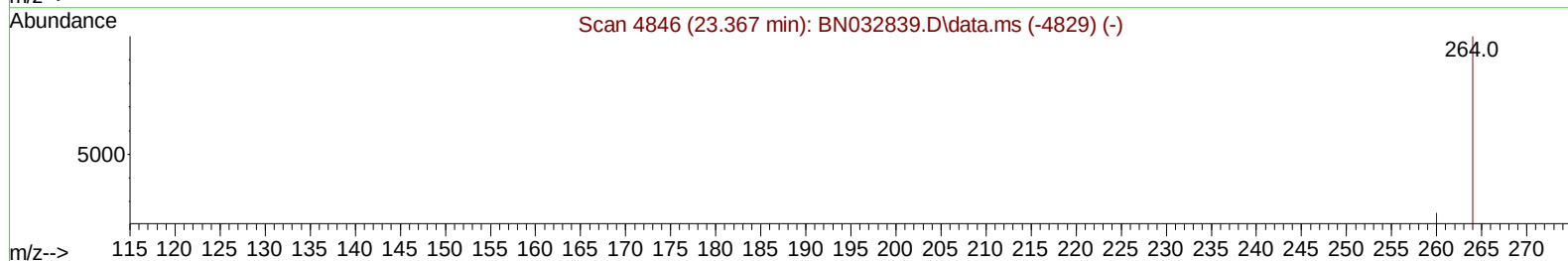
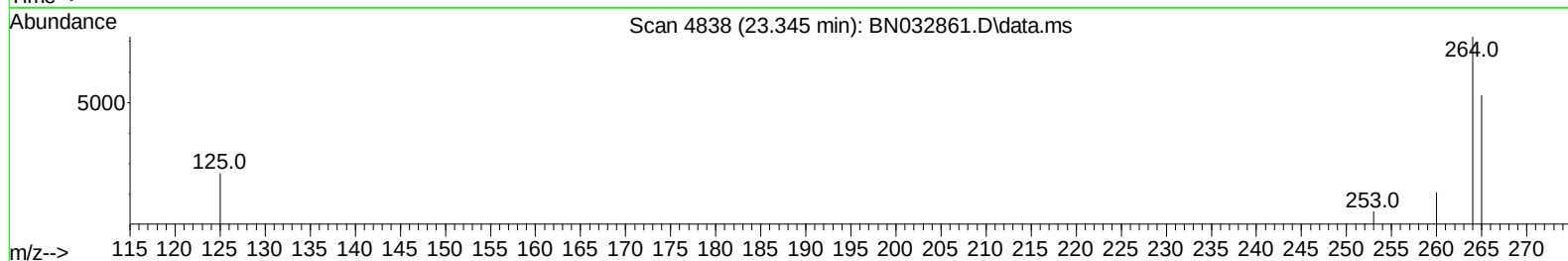
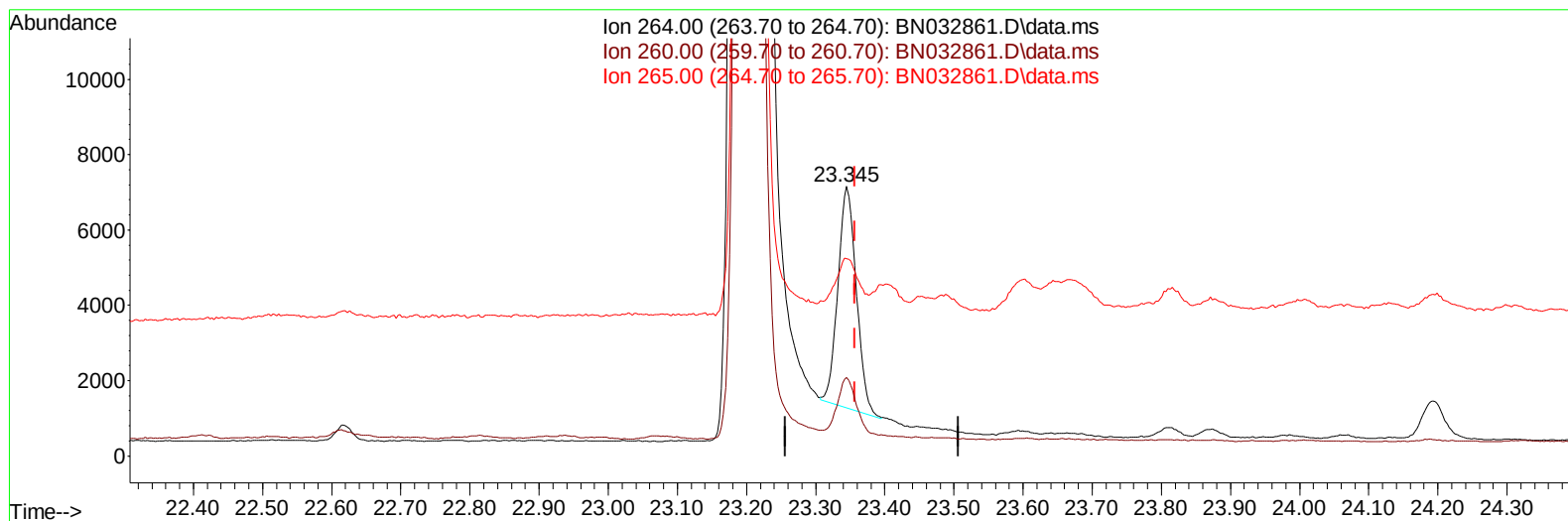
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032861.D
Acq On : 20 Jul 2024 03:50
Operator : MA/JU
Sample : P3178-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT5

Manual IntegrationsAPPROVED

Quant Time: Jul 20 04:17:01 2024
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TIC: BN032861.D\data.ms

(23) Perylene-d12 (I)

23.345min (-0.012) 0.40 ng/ul m

response 10837

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	29.06
265.00	95.50	73.23#
0.00	0.00	0.00

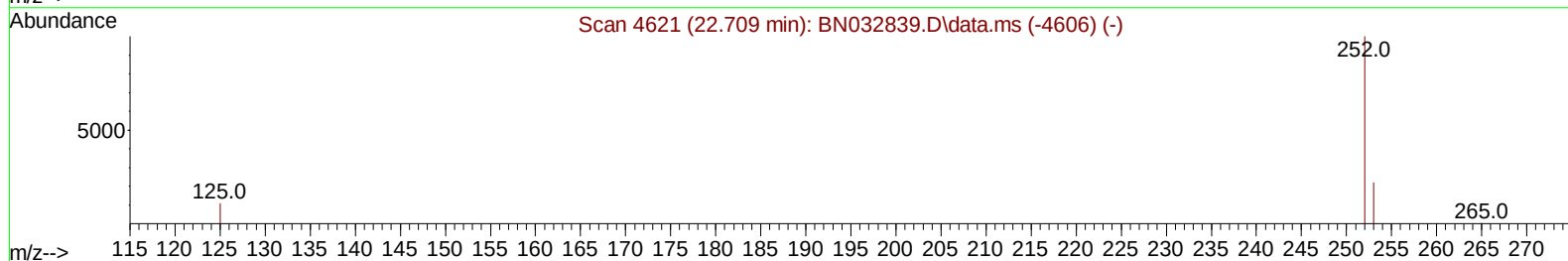
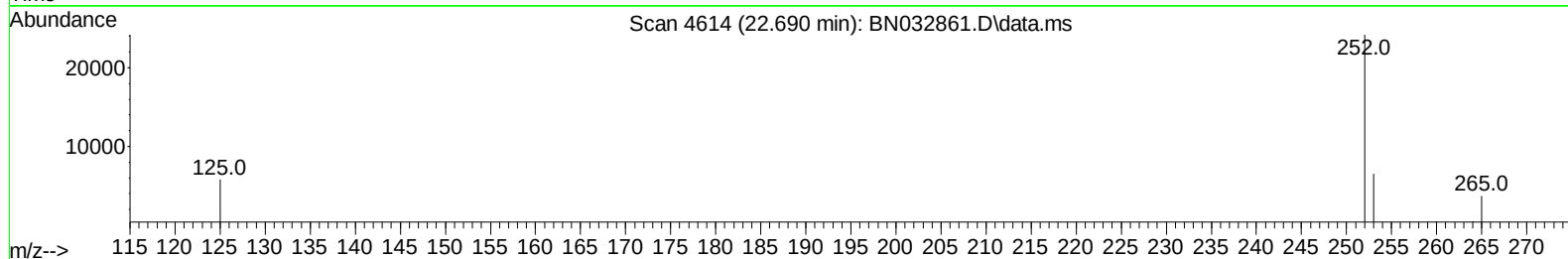
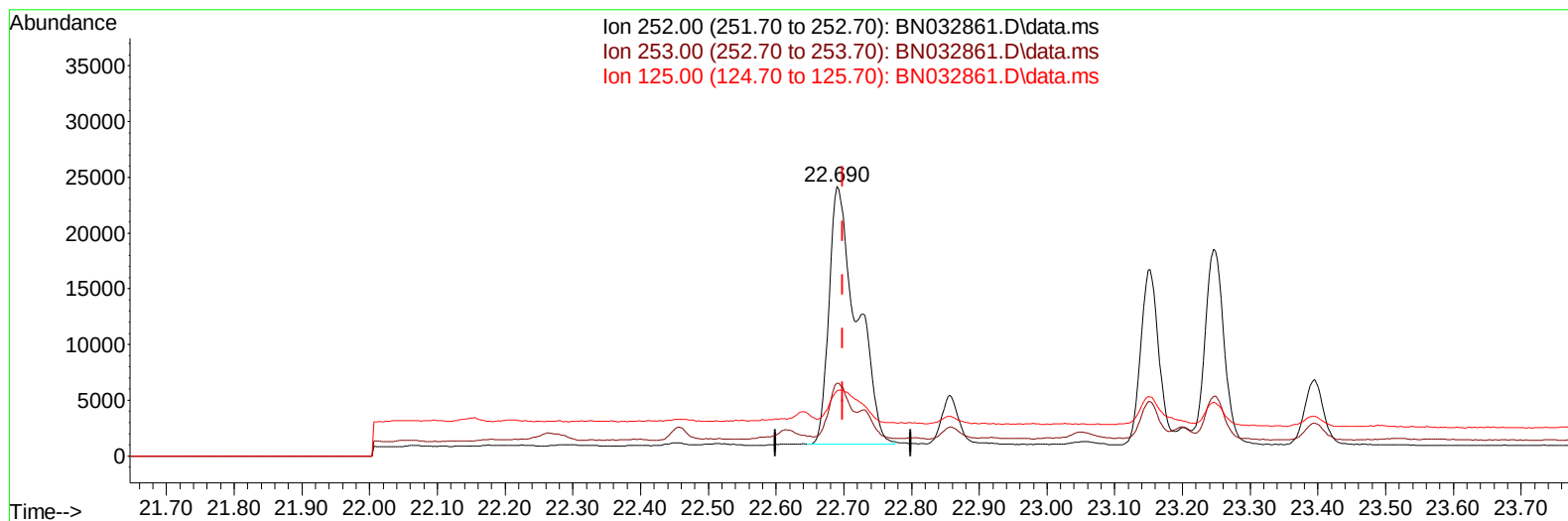
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
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ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BN032861.D\data.ms

(24) Benzo(b)fluoranthene

22.690min (-0.009) 1.72 ng/u1

response 65632

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	27.02
125.00	18.00	24.13
0.00	0.00	0.00

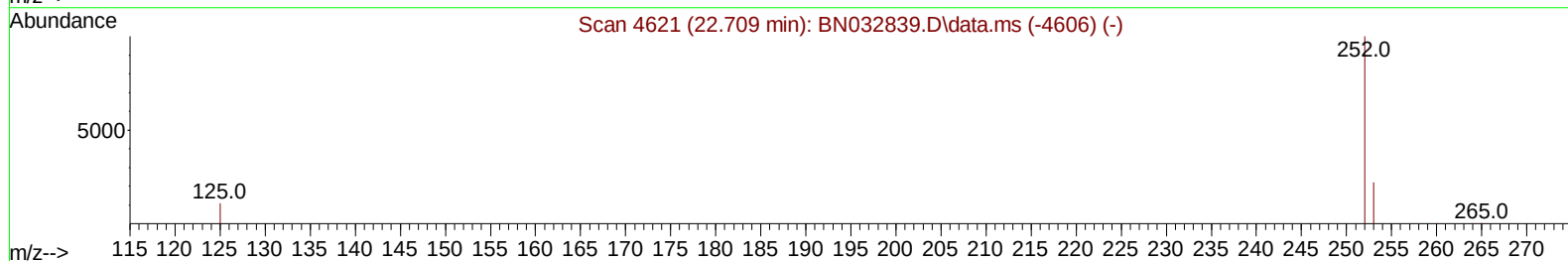
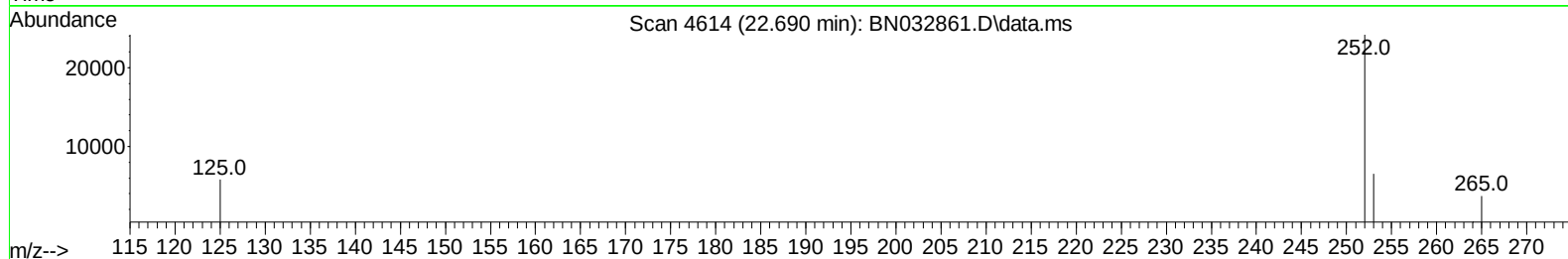
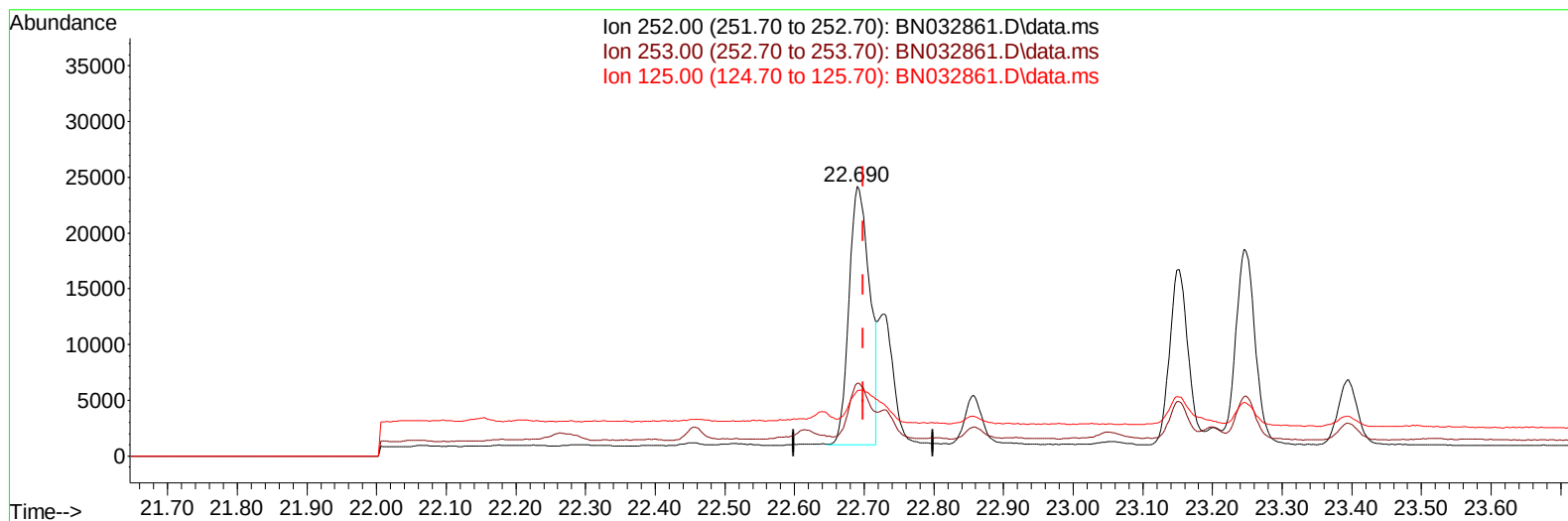
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032861.D
Acq On : 20 Jul 2024 03:50
Operator : MA/JU
Sample : P3178-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT5

Manual IntegrationsAPPROVED

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



TIC: BN032861.D\data.ms

(24) Benzo(b)fluoranthene

22.690min (-0.009) 1.24 ng/ul m

response 47547

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	27.02
125.00	18.00	24.13
0.00	0.00	0.00

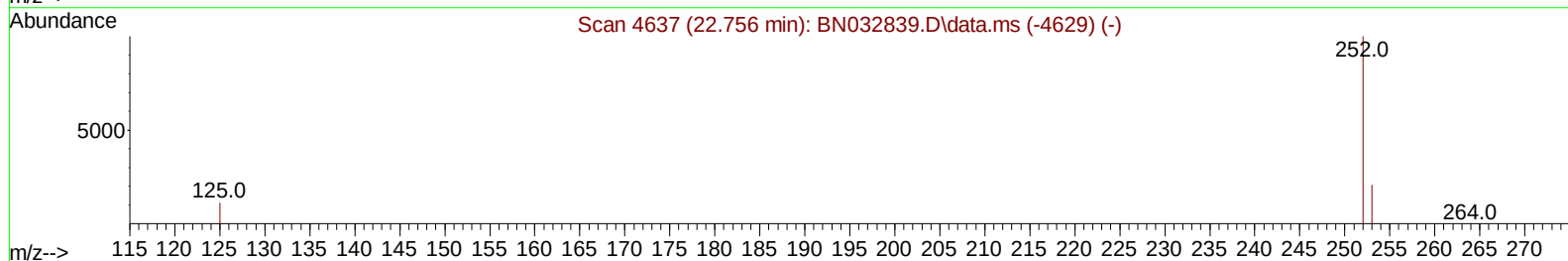
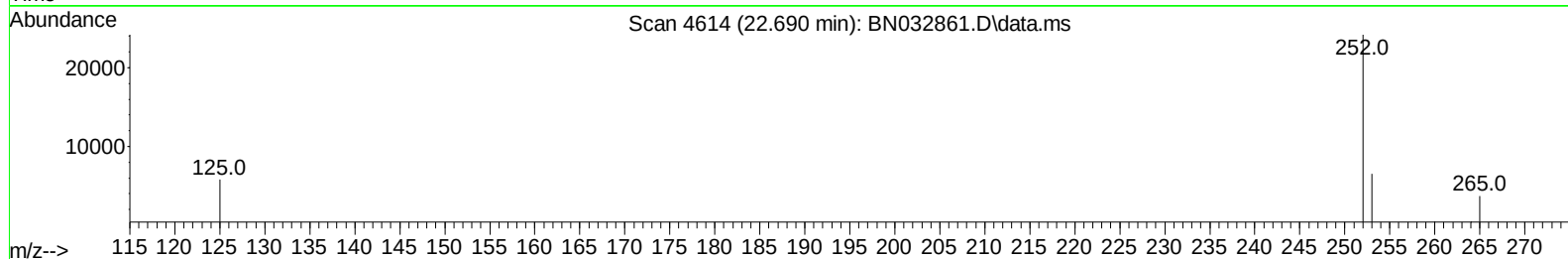
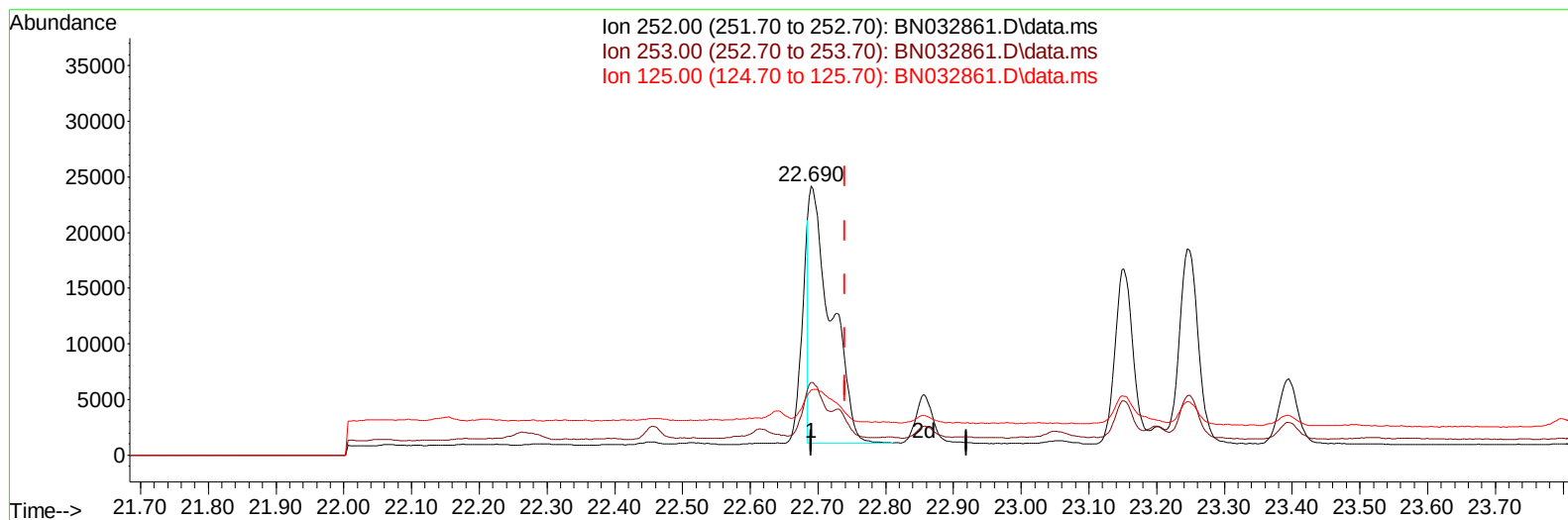
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032861.D
Acq On : 20 Jul 2024 03:50
Operator : MA/JU
Sample : P3178-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT5

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 07/22/2024



TIC: BN032861.D\data.ms

(25) Benzo(k)fluoranthene

22.690min (-0.050) 1.12 ng/u1

response 52381

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	27.02
125.00	18.50	24.13#
0.00	0.00	0.00

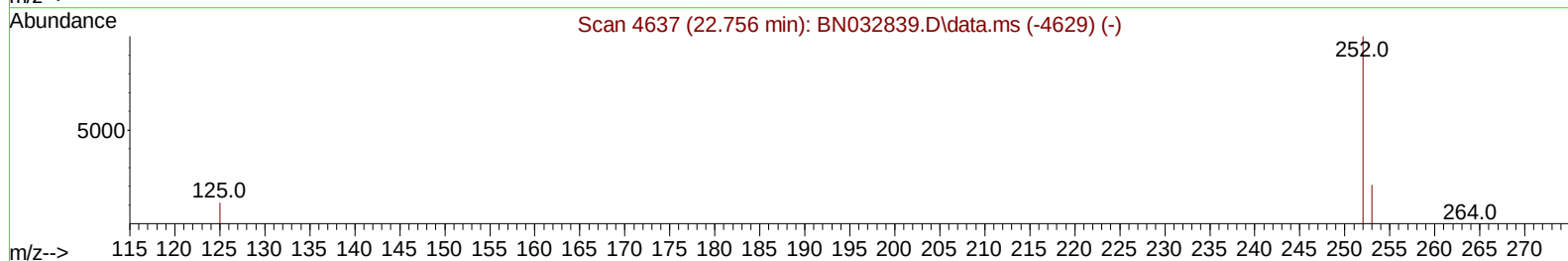
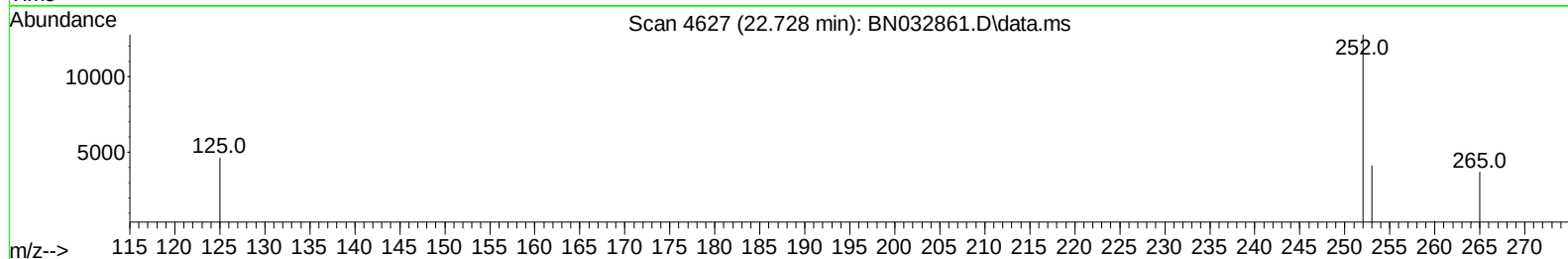
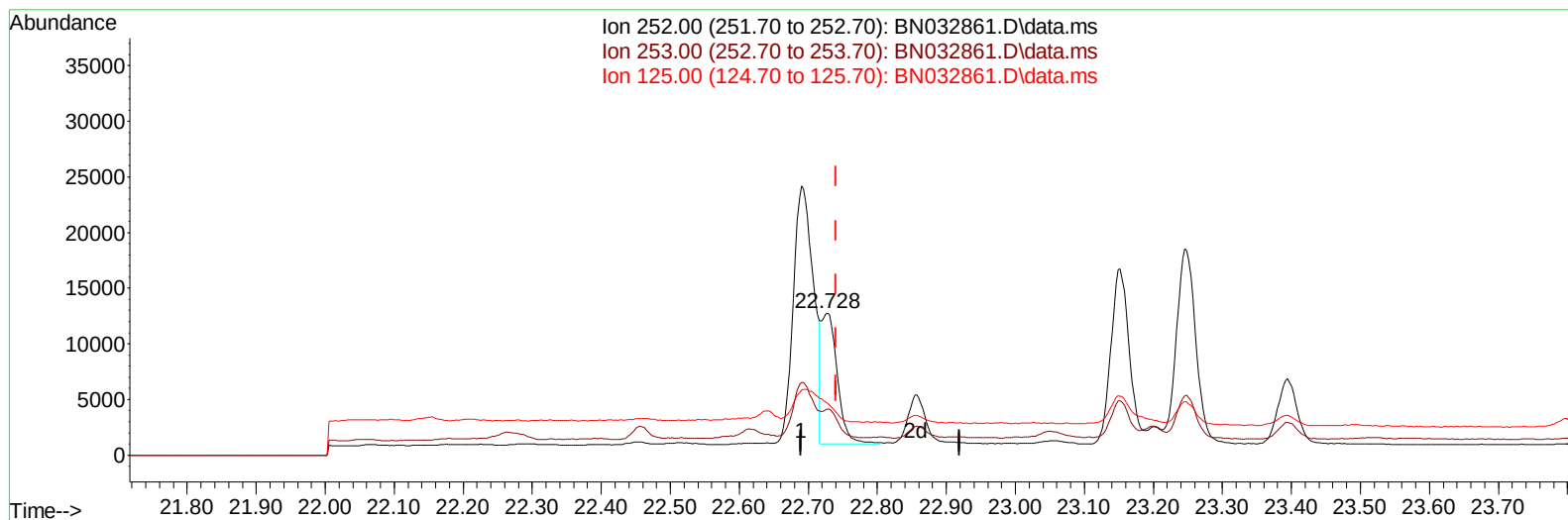
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032861.D
Acq On : 20 Jul 2024 03:50
Operator : MA/JU
Sample : P3178-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT5

Manual IntegrationsAPPROVED

Quant Time: Jul 20 04:17:01 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: BN032861.D\data.ms

(25) Benzo(k)fluoranthene

22.728min (-0.012) 0.40 ng/ul m

response 18841

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	32.33#
125.00	18.50	36.35#
0.00	0.00	0.00

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.527	152	4177	0.400	ng/ul	0.00
4) Naphthalene-d8	10.294	136	13536	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.179	164	7347	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.940	188	12840m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.156	240	10092m	0.400	ng/ul	0.00
23) Perylene-d12	23.345	264	10837m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.089	96	14722	2.935	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.900	152	4536	0.222	ng/ul	-0.03
18) Fluoranthene-d10	18.985	212	7395	0.225	ng/ul	-0.01
Target Compounds						
					Qvalue	
5) Naphthalene	10.343	128	4225	0.116	ng/ul#	97
7) 2-Methylnaphthalene	11.977	142	1451	0.064	ng/ul	95
8) 1-Methylnaphthalene	12.202	142	805	0.034	ng/ul	98
10) Acenaphthylene	13.897	152	5167	0.174	ng/ul	93
11) Acenaphthene	14.244	153	1350	0.055	ng/ul	97
12) Fluorene	15.238	166	1837	0.065	ng/ul#	95
15) Phenanthrene	16.982	178	26553m	0.759	ng/ul	
16) Anthracene	17.071	178	7142m	0.250	ng/ul	
19) Fluoranthene	19.013	202	57236	1.395	ng/ul	99
20) Pyrene	19.375	202	55860	1.315	ng/ul	99
21) Benzo(a)anthracene	21.141	228	29416	0.916	ng/ul#	92
22) Chrysene	21.191	228	33484	0.721	ng/ul#	93
24) Benzo(b)fluoranthene	22.690	252	47547m	1.243	ng/ul	
25) Benzo(k)fluoranthene	22.728	252	18841m	0.404	ng/ul	
26) Benzo(a)pyrene	23.245	252	34162	1.032	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	25.552	276	27973	0.624	ng/ul#	90
28) Dibenzo(a,h)anthracene	25.549	278	6772	0.195	ng/ul#	41
29) Benzo(g,h,i)perylene	26.230	276	28455	0.760	ng/ul	94

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

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