

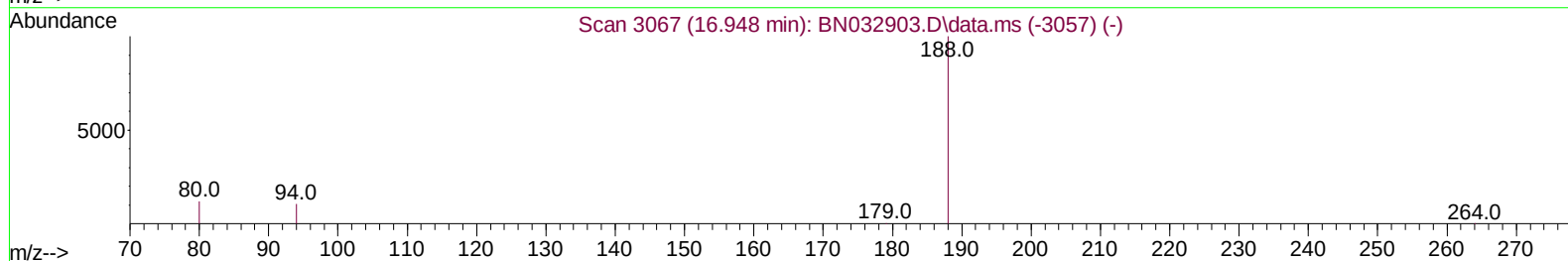
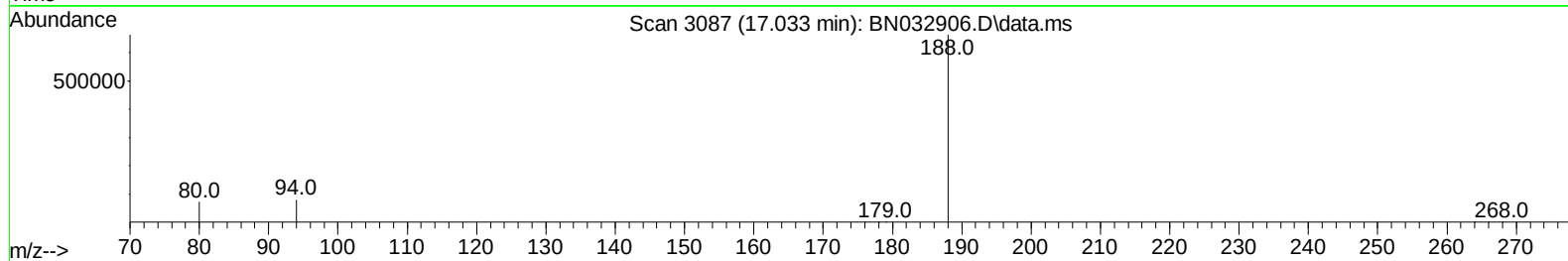
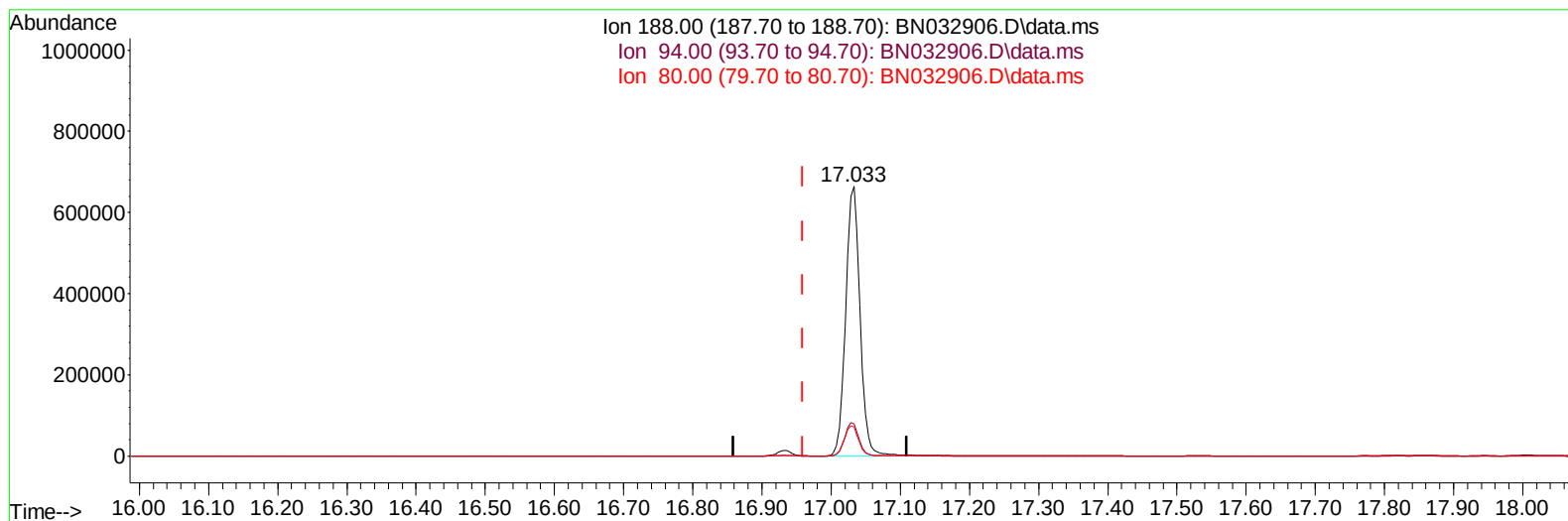
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
Data File : BN032906.D
Acq On : 23 Jul 2024 12:18
Operator : MA/JU
Sample : P3215-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BD3

Manual IntegrationsAPPROVED

Quant Time: Jul 23 12:52:19 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 :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/26/2024



TIC: BN032906.D\data.ms

(13) Phenanthrene-d10 (I)

17.033min (+ 0.073) 0.40 ng/u1

response 945482

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	11.99
80.00	12.00	10.85
0.00	0.00	0.00

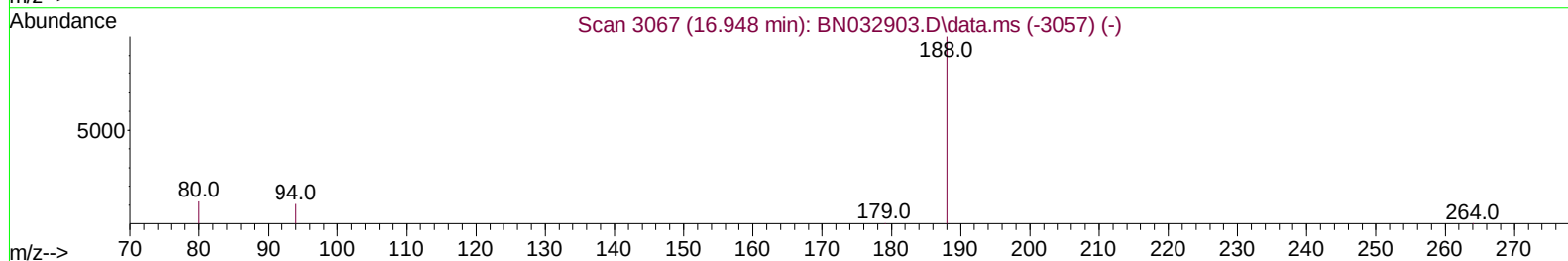
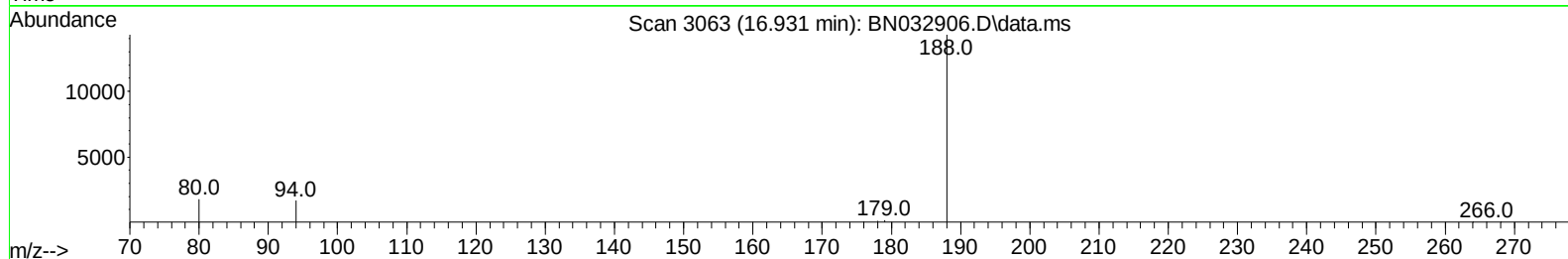
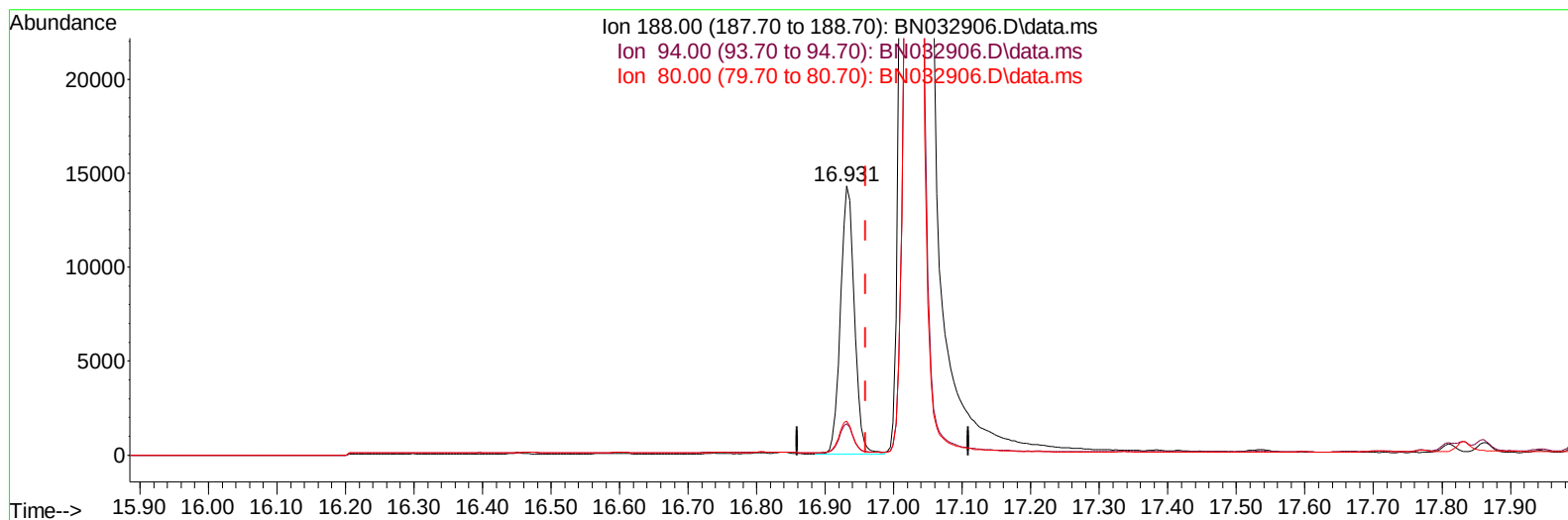
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
Data File : BN032906.D
Acq On : 23 Jul 2024 12:18
Operator : MA/JU
Sample : P3215-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BD3

Manual IntegrationsAPPROVED

Quant Time: Jul 23 12:52:19 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 :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/26/2024



TIC: BN032906.D\data.ms

(13) Phenanthrene-d10 (I)

16.931min (-0.028) 0.40 ng/ul m

response 20181

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	11.76
80.00	12.00	12.64
0.00	0.00	0.00

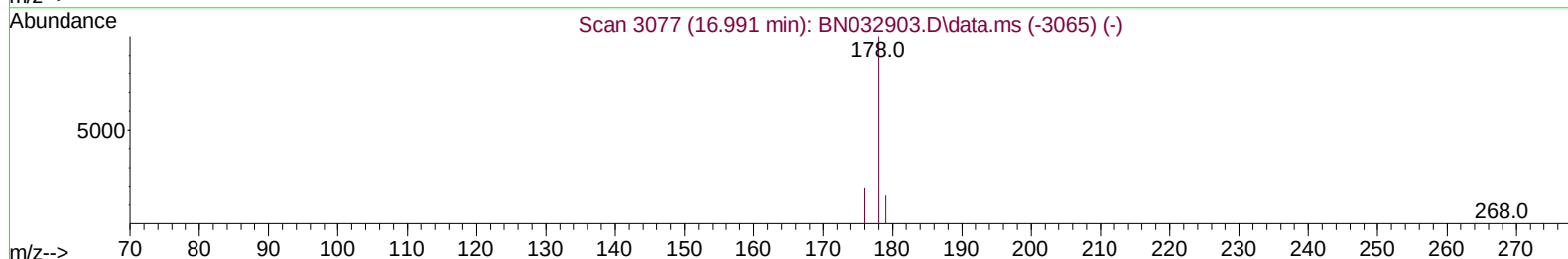
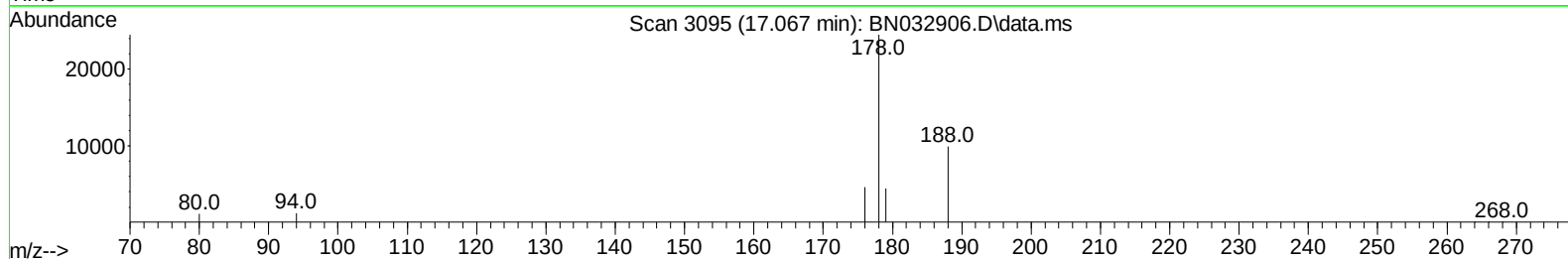
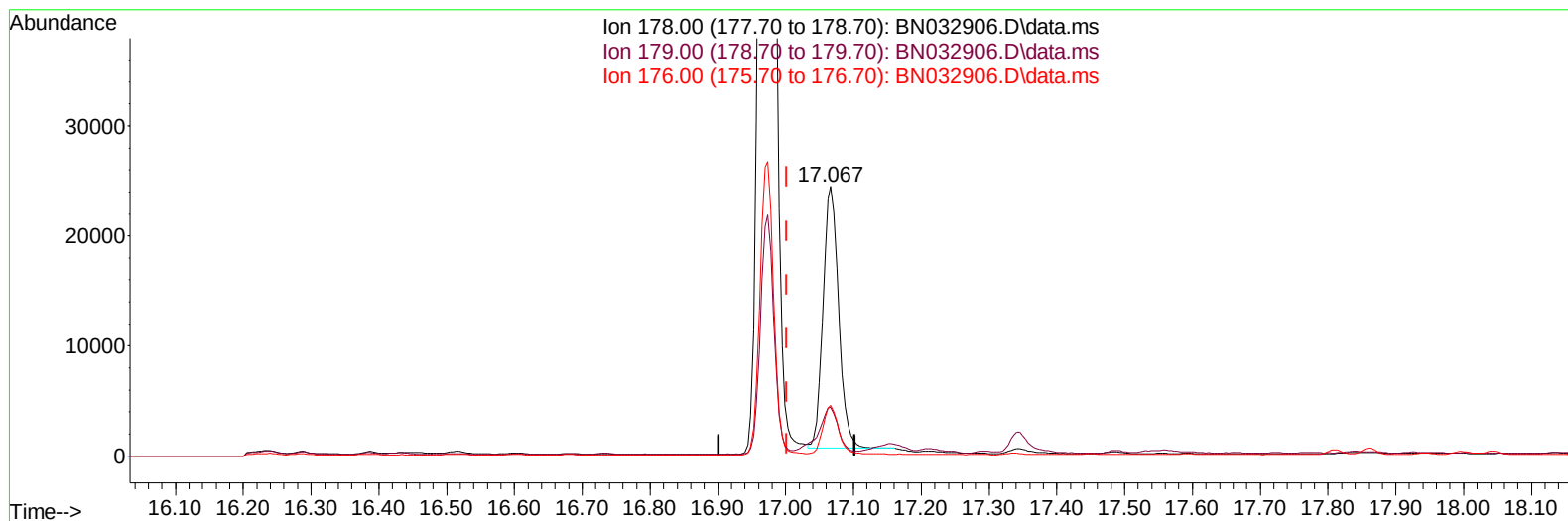
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
Data File : BN032906.D
Acq On : 23 Jul 2024 12:18
Operator : MA/JU
Sample : P3215-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BD3

Manual IntegrationsAPPROVED

Quant Time: Jul 23 12:52:19 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
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TIC: BN032906.D\data.ms

(15) Phenanthrene

17.067min (+ 0.065) 0.69 ng/u1

response 37903

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	18.05
176.00	19.50	18.71
0.00	0.00	0.00

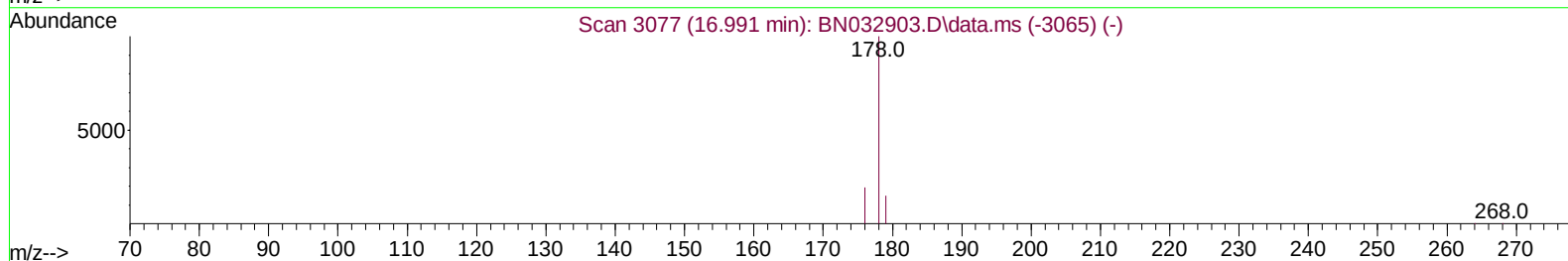
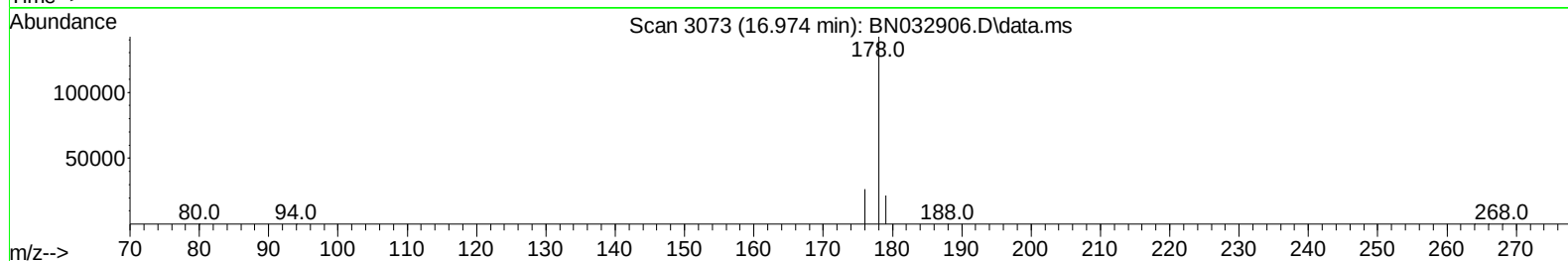
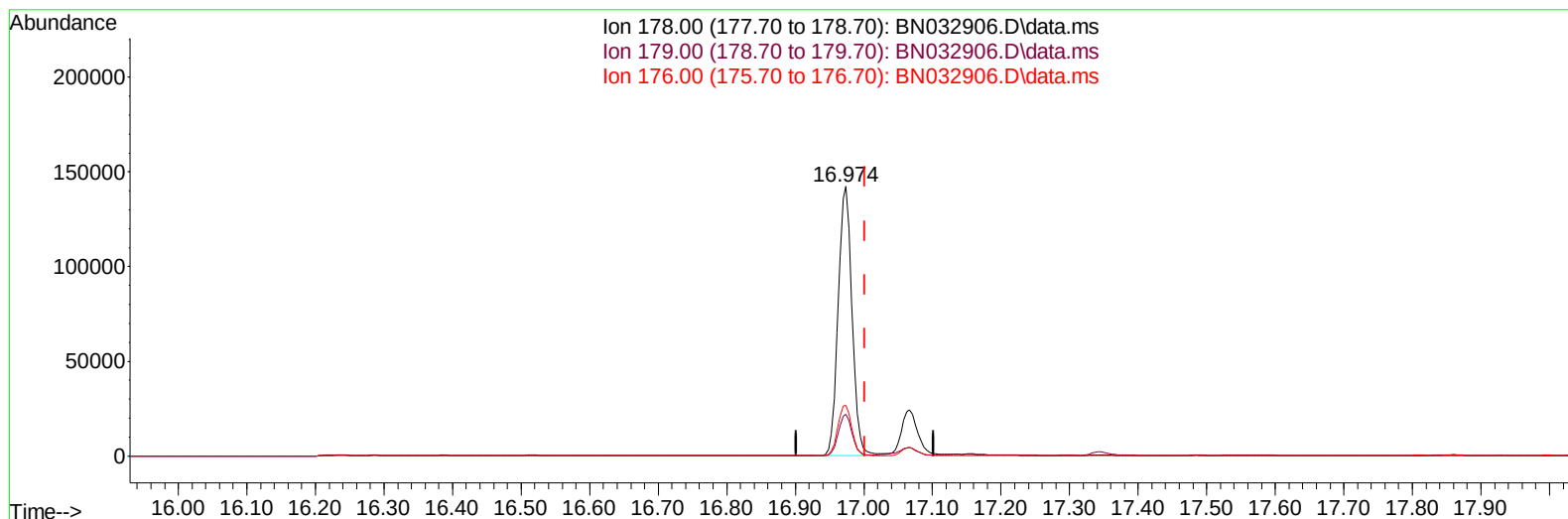
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
Data File : BN032906.D
Acq On : 23 Jul 2024 12:18
Operator : MA/JU
Sample : P3215-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BD3

Manual IntegrationsAPPROVED

Quant Time: Jul 23 12:52:19 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
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TIC: BN032906.D\data.ms

(15) Phenanthrene

16.974min (-0.028) 3.64 ng/ul m

response 199859

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	15.40
176.00	19.50	18.81
0.00	0.00	0.00

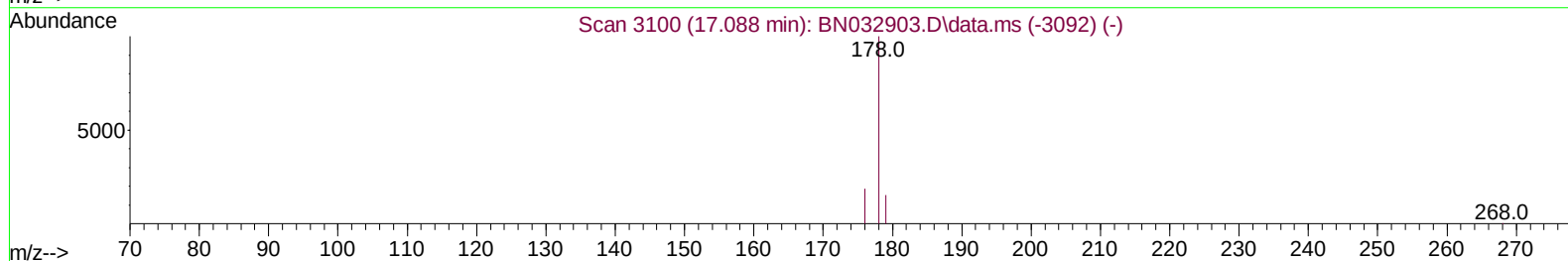
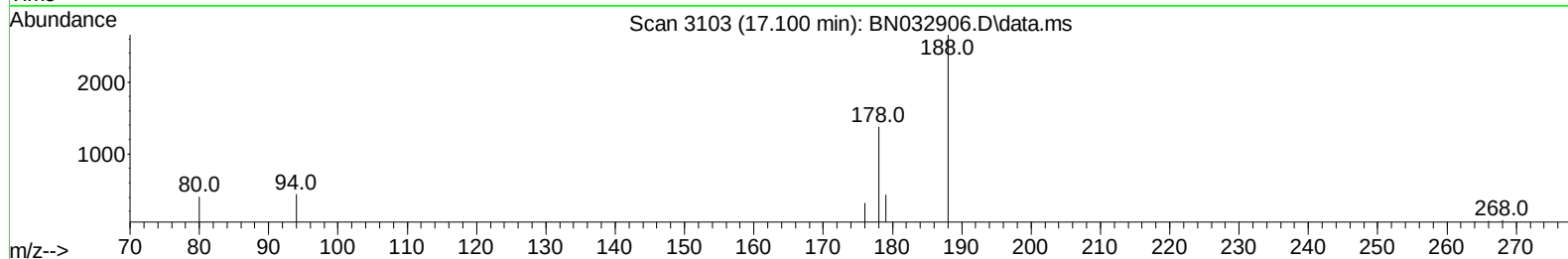
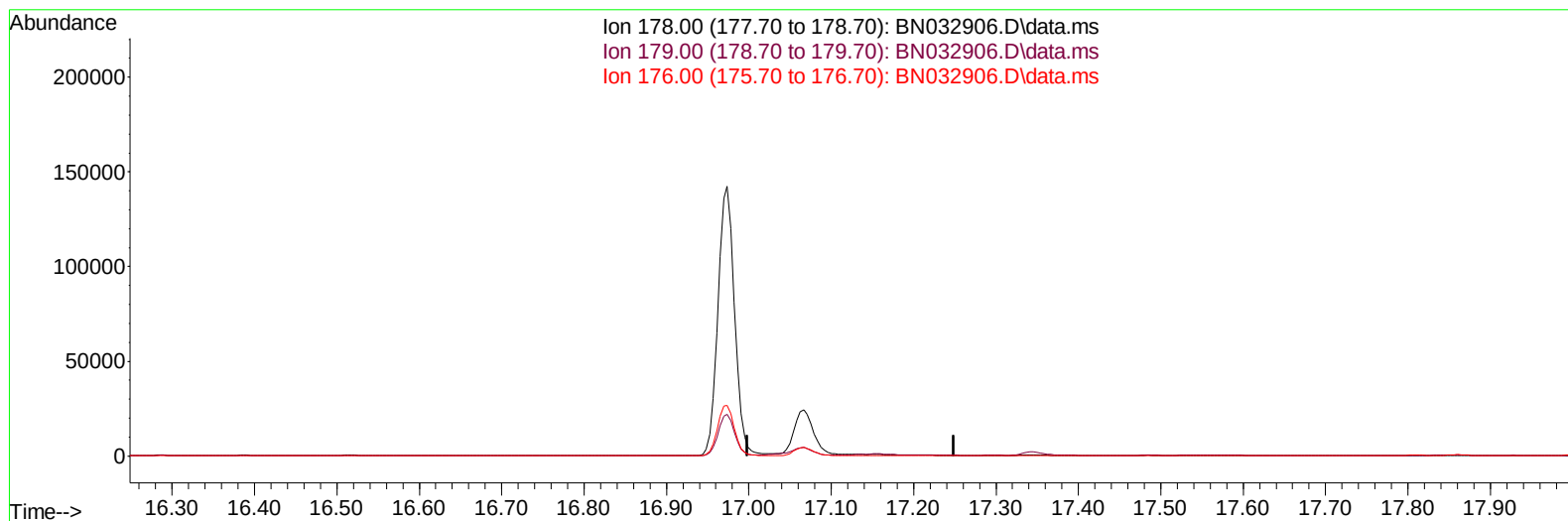
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
Data File : BN032906.D
Acq On : 23 Jul 2024 12:18
Operator : MA/JU
Sample : P3215-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BD3

Manual IntegrationsAPPROVED

Quant Time: Jul 23 12:52:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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TIC: BN032906.D\data.ms

(16) Anthracene

17.099min (-17.099) 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

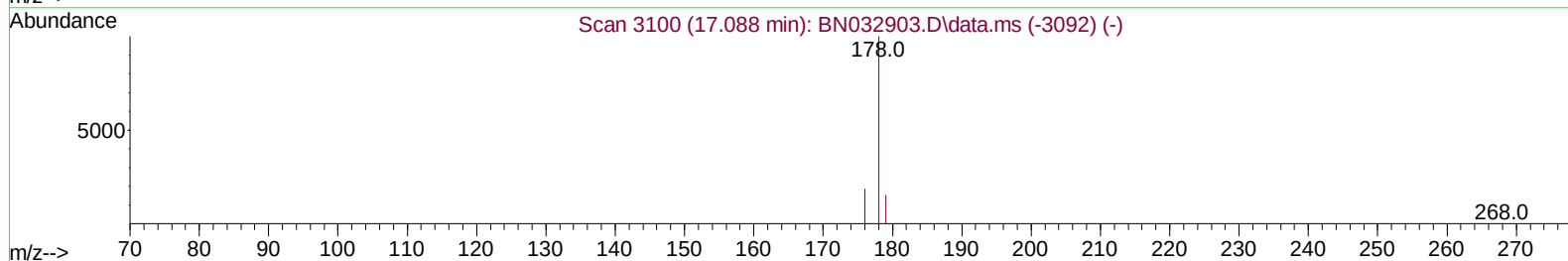
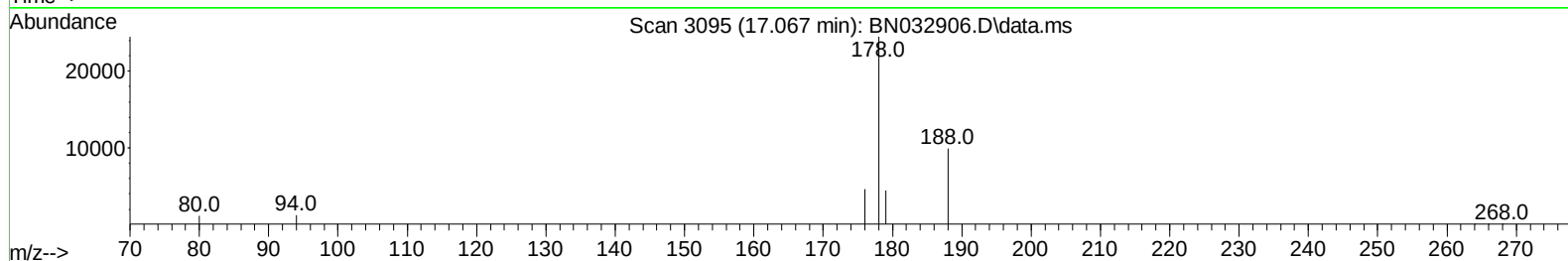
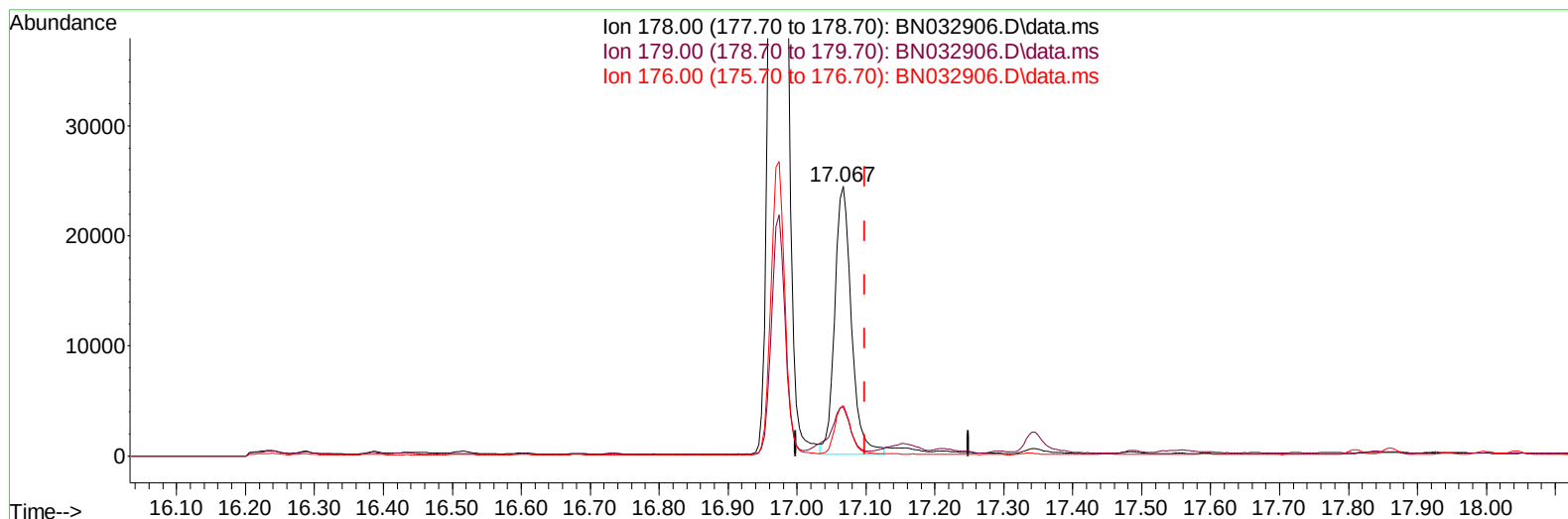
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
Data File : BN032906.D
Acq On : 23 Jul 2024 12:18
Operator : MA/JU
Sample : P3215-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BD3

Manual IntegrationsAPPROVED

Quant Time: Jul 23 12:52:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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TIC: BN032906.D\data.ms

(16) Anthracene

17.067min (-0.032) 0.92 ng/ul m

response 41172

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	18.05
176.00	19.20	18.71
0.00	0.00	0.00

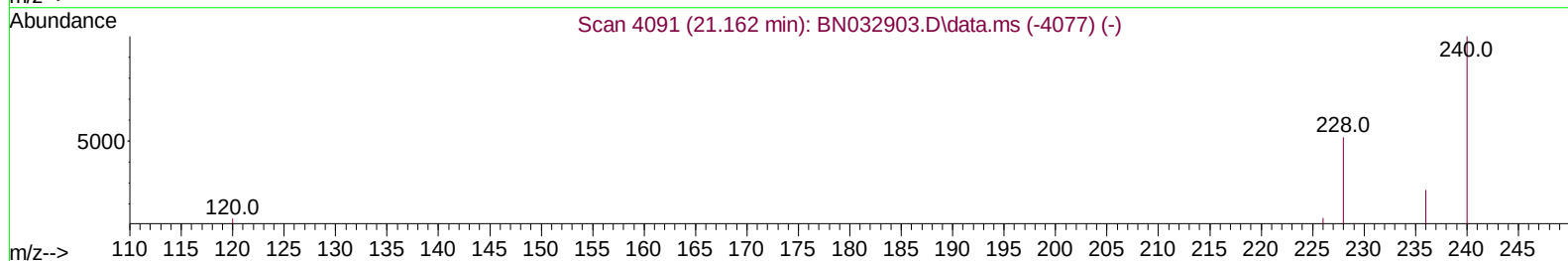
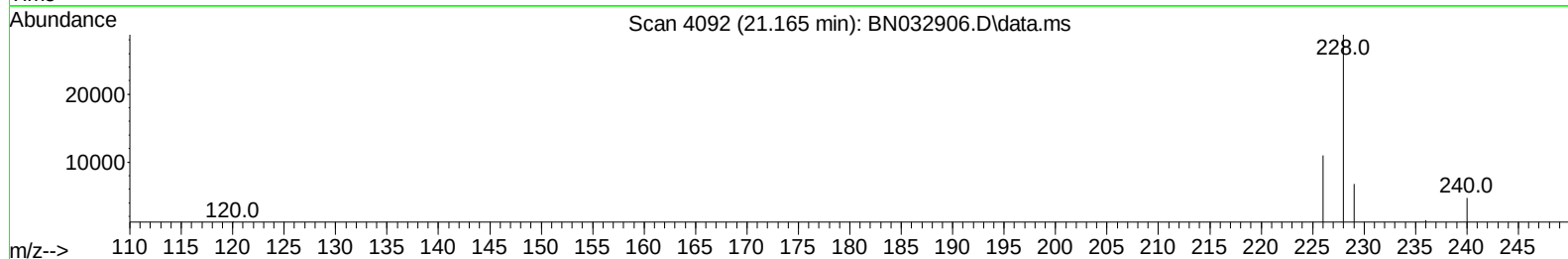
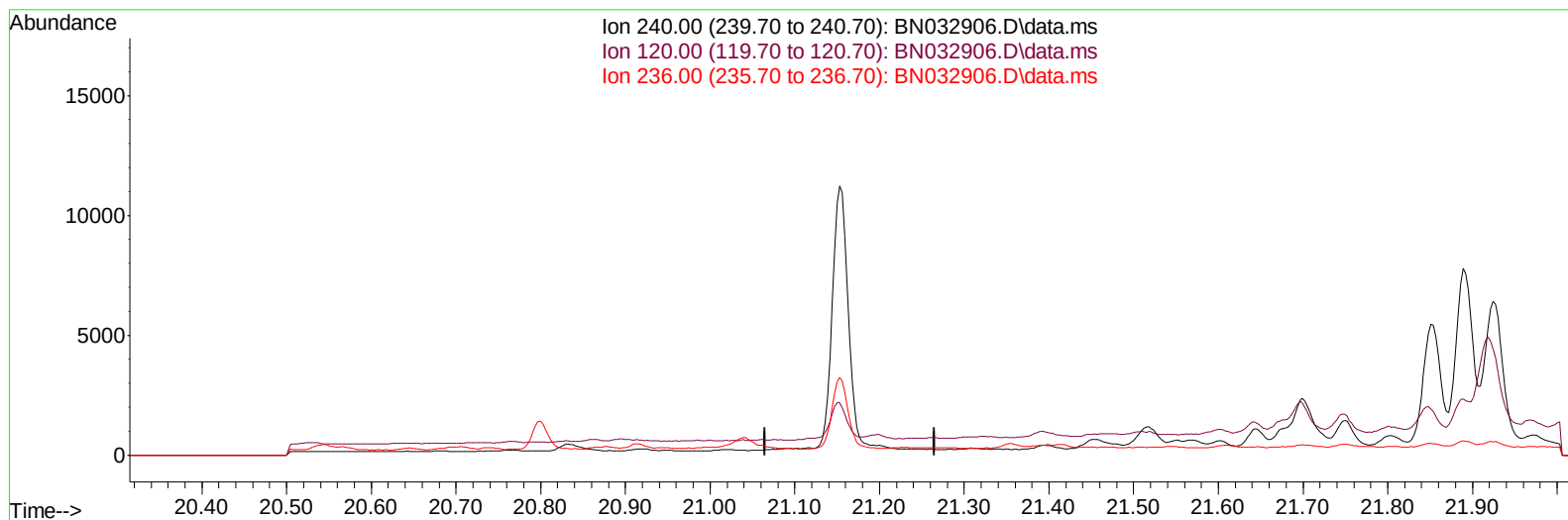
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
Data File : BN032906.D
Acq On : 23 Jul 2024 12:18
Operator : MA/JU
Sample : P3215-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BD3

Manual IntegrationsAPPROVED

Quant Time: Jul 23 12:52:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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TIC: BN032906.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

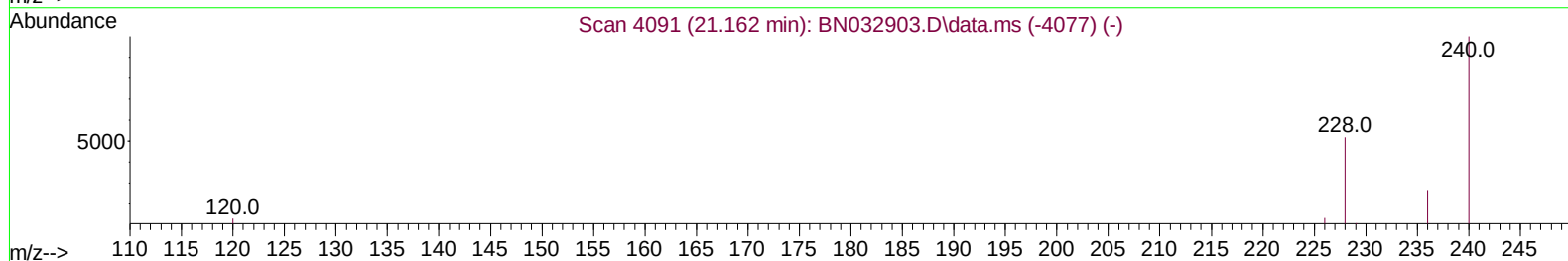
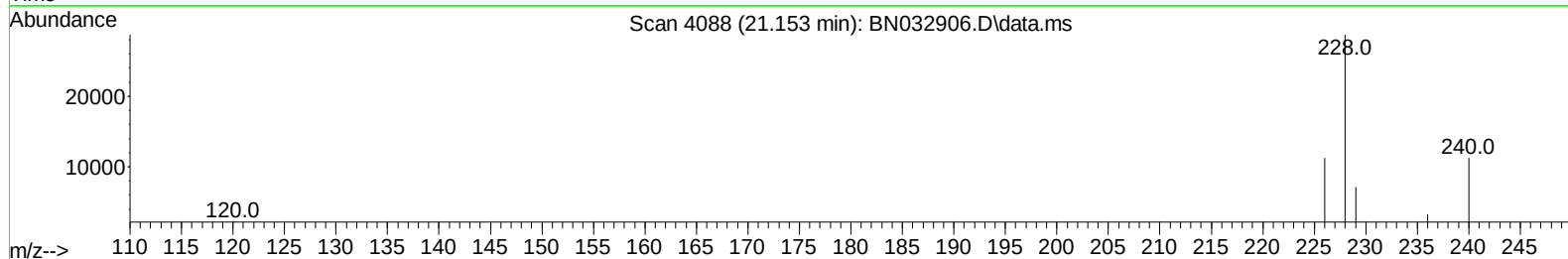
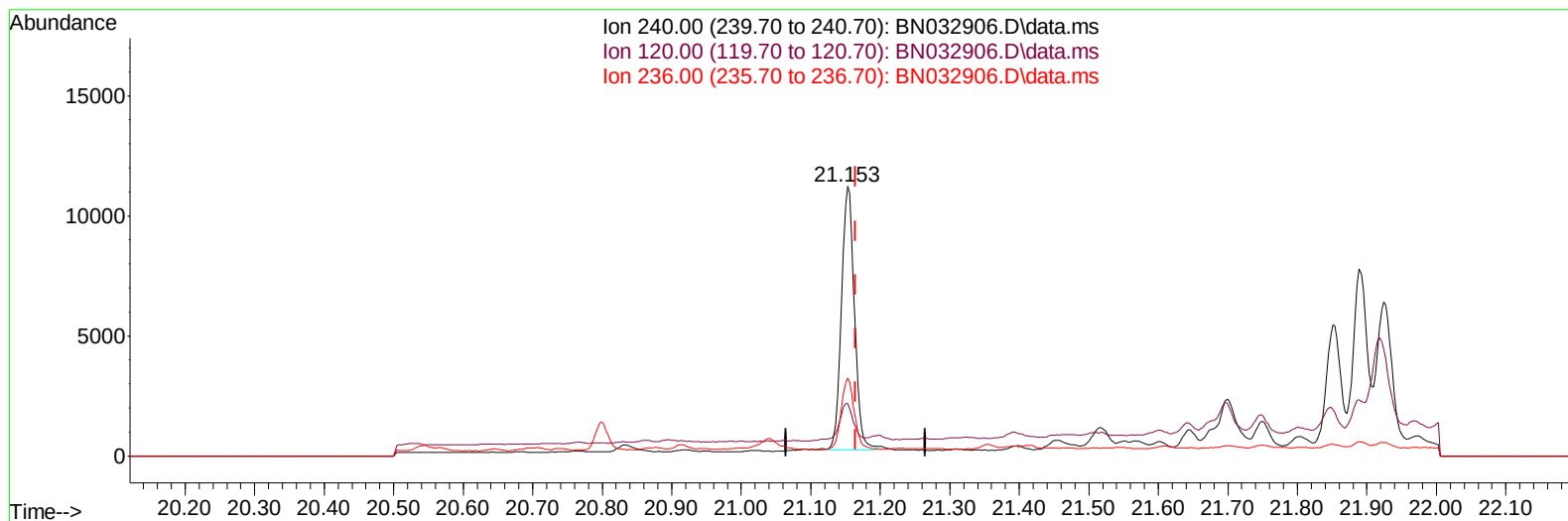
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
Data File : BN032906.D
Acq On : 23 Jul 2024 12:18
Operator : MA/JU
Sample : P3215-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BD3

Manual IntegrationsAPPROVED

Quant Time: Jul 23 12:52:19 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 :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/26/2024



TIC: BN032906.D\data.ms

(17) Chrysene-d12

21.153min (-0.012) 0.40 ng/ul m

response 14209

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.00	19.37
236.00	28.40	28.91
0.00	0.00	0.00

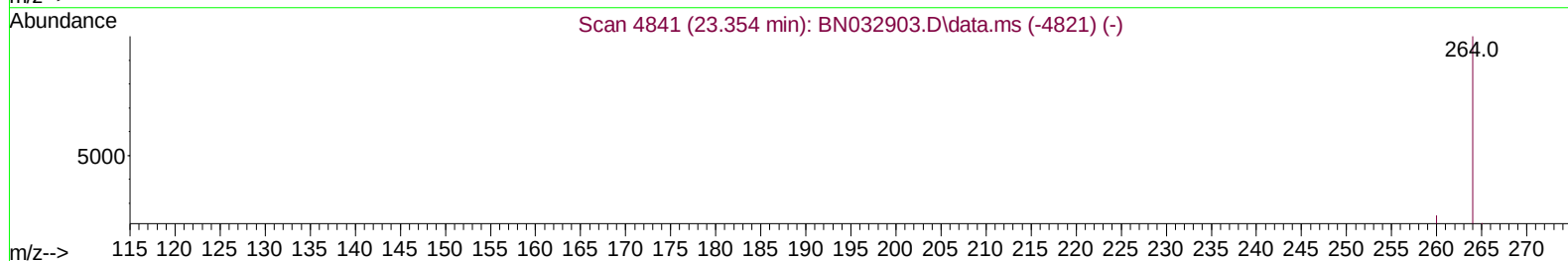
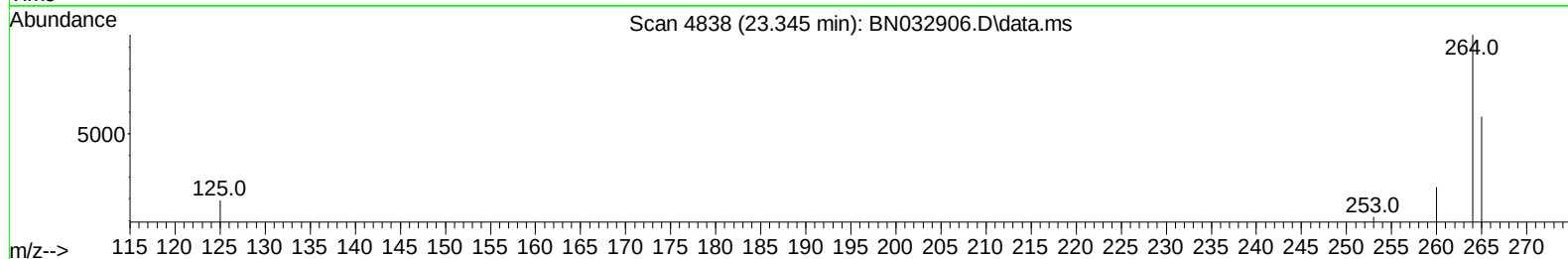
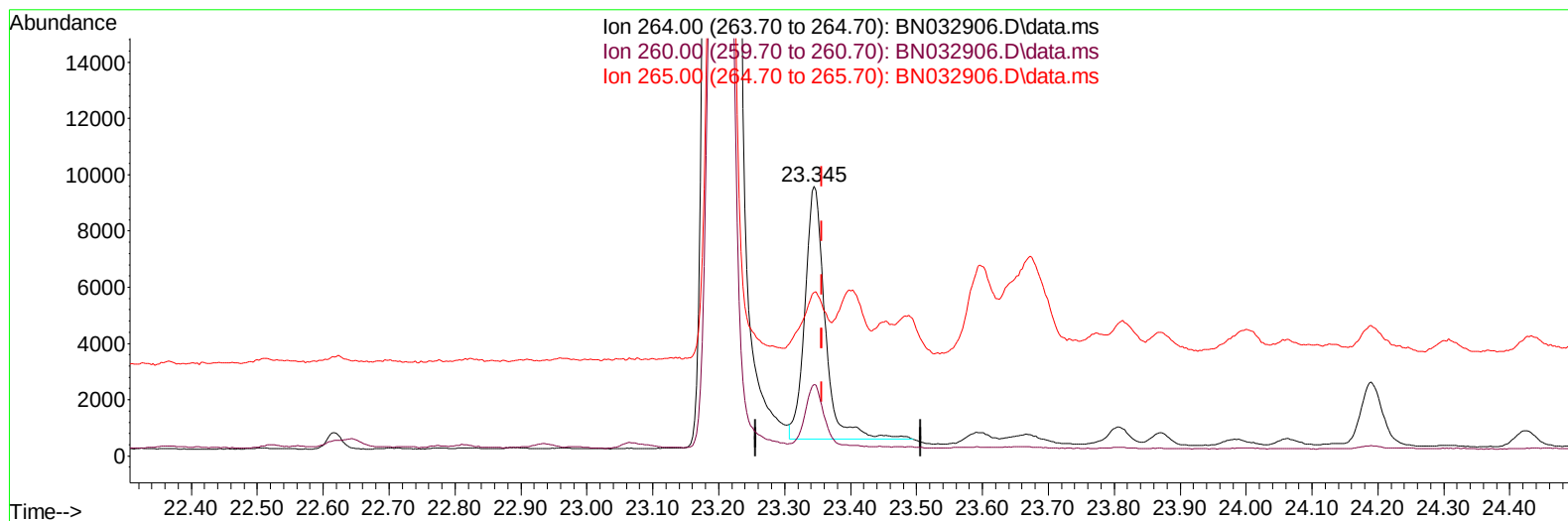
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
Data File : BN032906.D
Acq On : 23 Jul 2024 12:18
Operator : MA/JU
Sample : P3215-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BD3

Manual IntegrationsAPPROVED

Quant Time: Jul 23 12:52:19 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: BN032906.D\data.ms

(23) Perylene-d12 (I)

23.345min (-0.012) 0.40 ng/u1

response 19060

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	26.61
265.00	95.50	60.63#
0.00	0.00	0.00

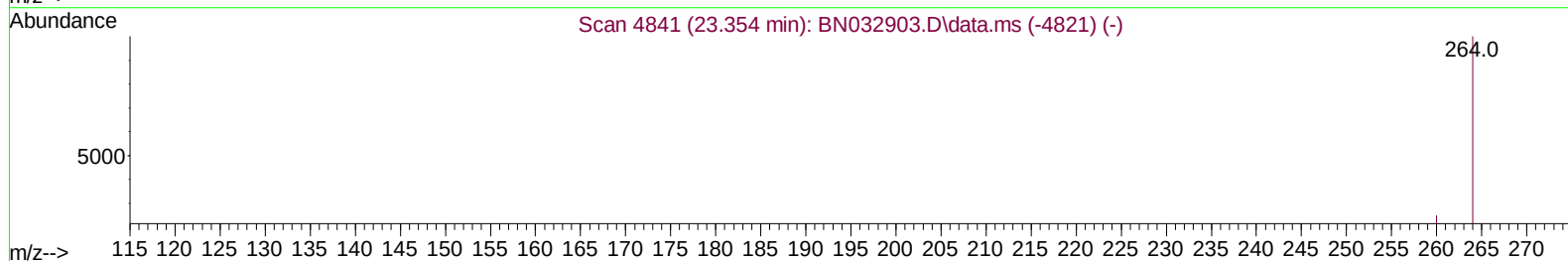
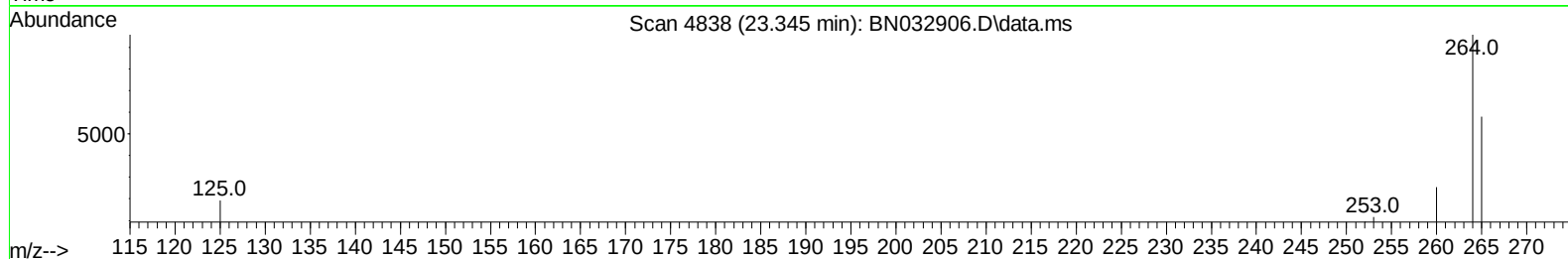
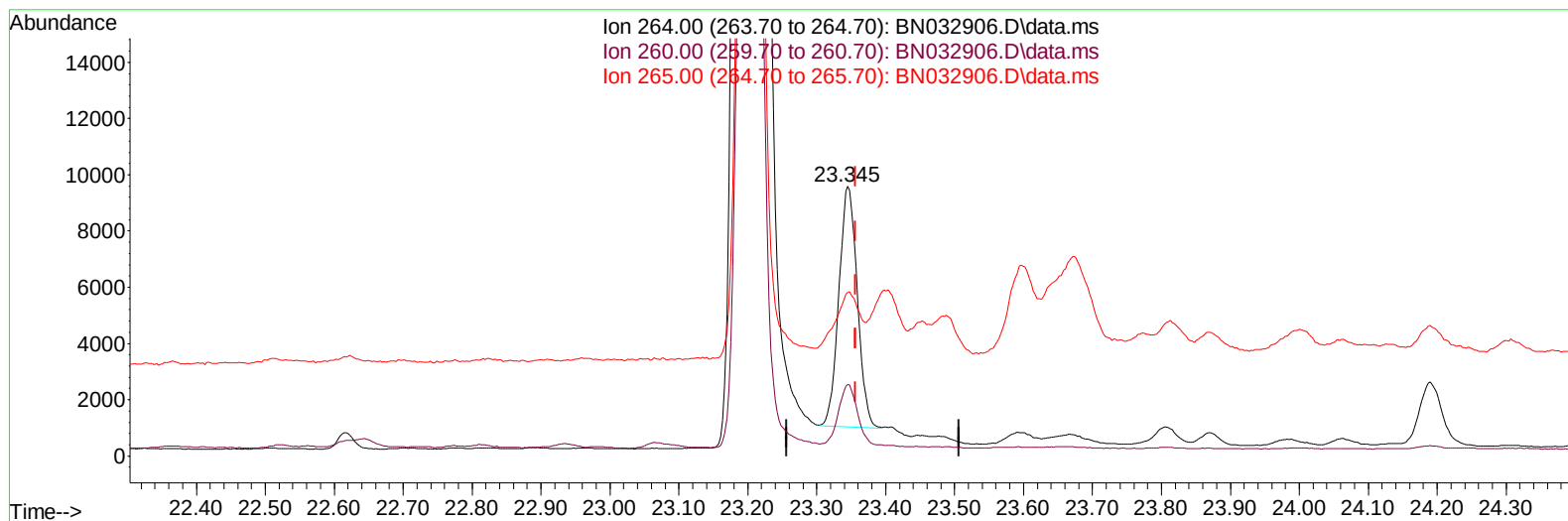
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
Data File : BN032906.D
Acq On : 23 Jul 2024 12:18
Operator : MA/JU
Sample : P3215-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BD3

Manual IntegrationsAPPROVED

Quant Time: Jul 23 12:52:19 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

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TIC: BN032906.D\data.ms

(23) Perylene-d12 (I)

23.345min (-0.012) 0.40 ng/ul m

response 15826

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	26.61
265.00	95.50	60.63#
0.00	0.00	0.00

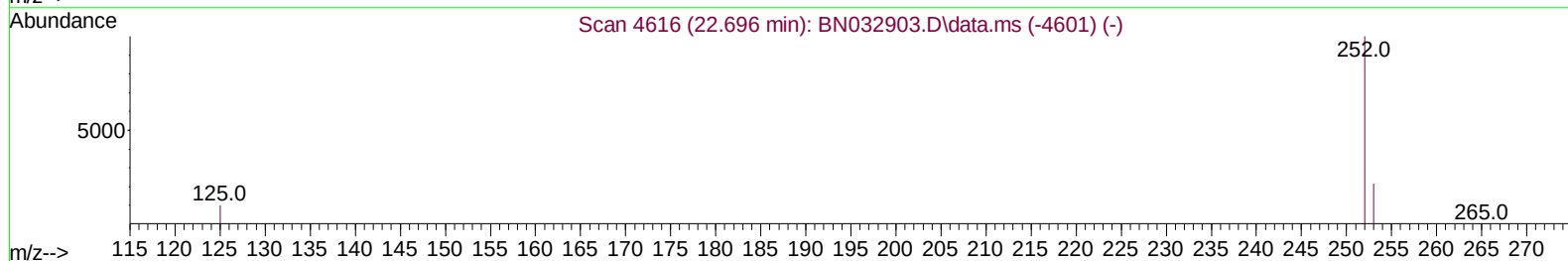
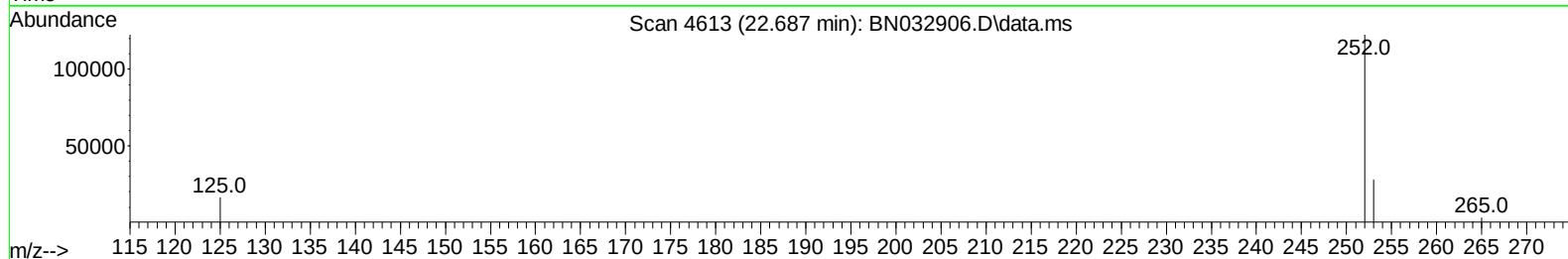
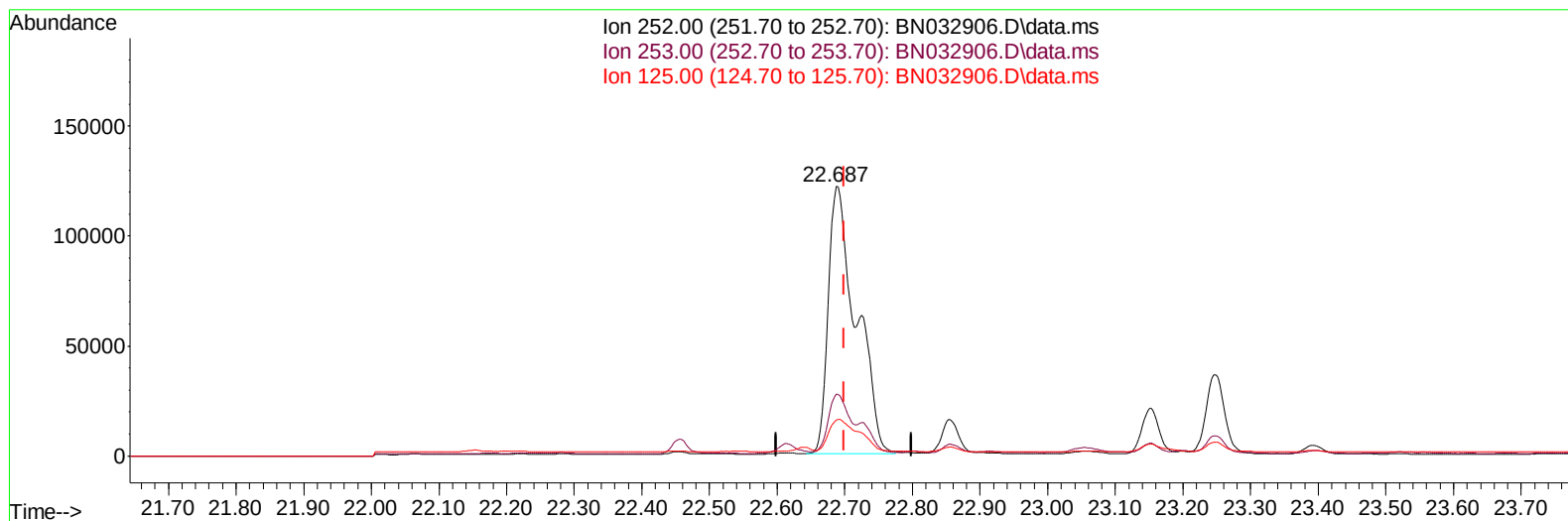
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
Data File : BN032906.D
Acq On : 23 Jul 2024 12:18
Operator : MA/JU
Sample : P3215-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BD3

Manual IntegrationsAPPROVED

Quant Time: Jul 23 12:52:19 2024
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TIC: BN032906.D\data.ms

(24) Benzo(b)fluoranthene

22.687min (-0.012) 6.24 ng/u1

response 348244

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	22.95
125.00	18.00	13.26
0.00	0.00	0.00

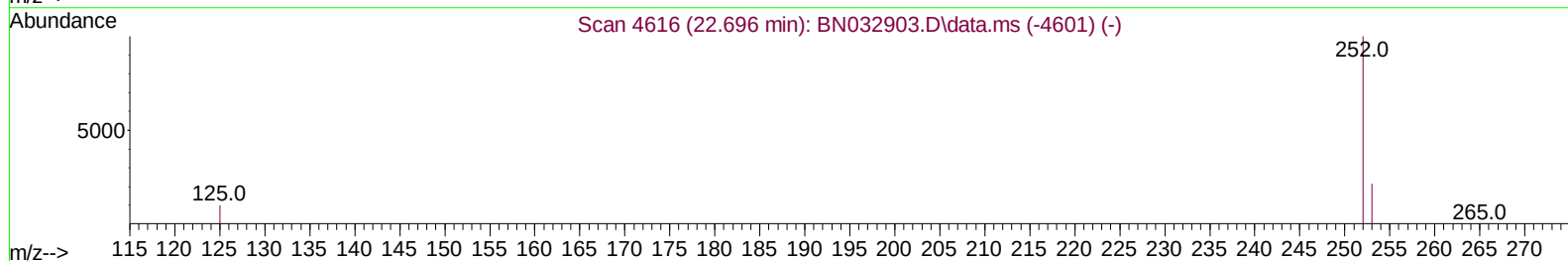
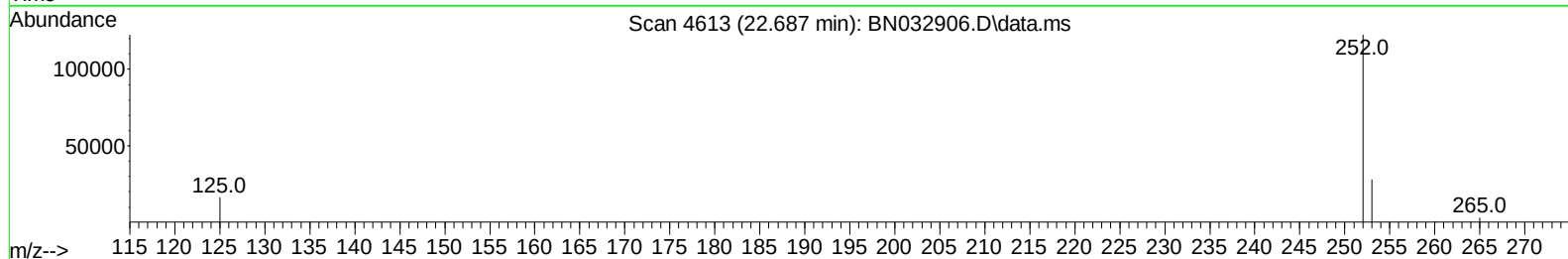
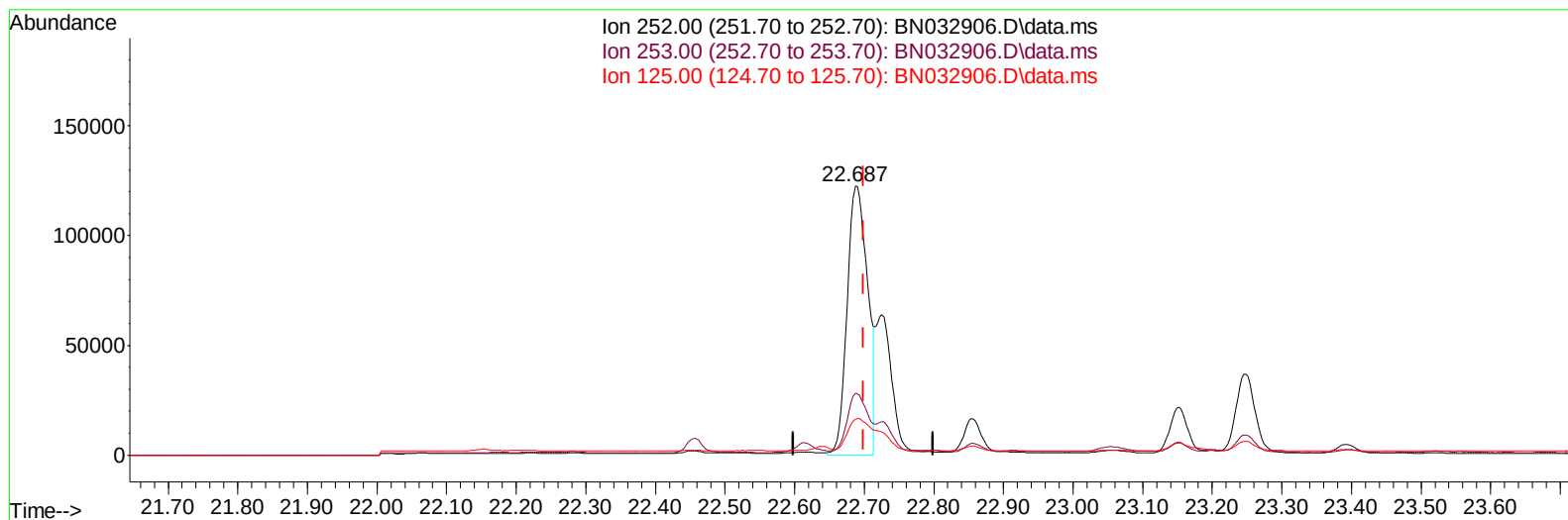
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
Data File : BN032906.D
Acq On : 23 Jul 2024 12:18
Operator : MA/JU
Sample : P3215-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BD3

Manual IntegrationsAPPROVED

Quant Time: Jul 23 12:52:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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Response via : Initial Calibration

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Supervised By :mohammad ahmed 07/26/2024



TIC: BN032906.D\data.ms

(24) Benzo(b)fluoranthene

22.687min (-0.012) 4.52 ng/ul m

response 252618

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	22.95
125.00	18.00	13.26
0.00	0.00	0.00

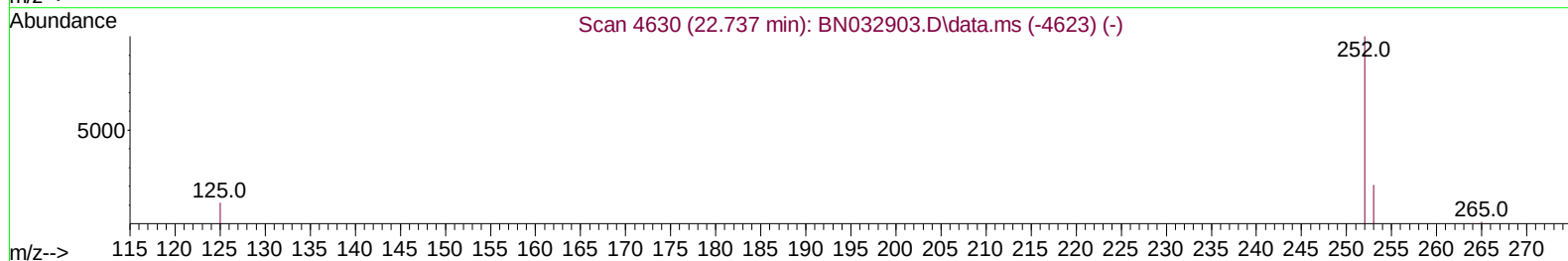
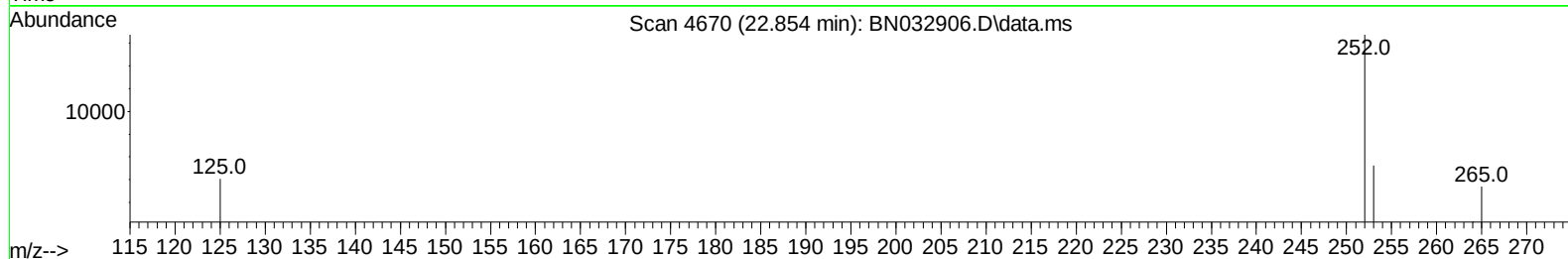
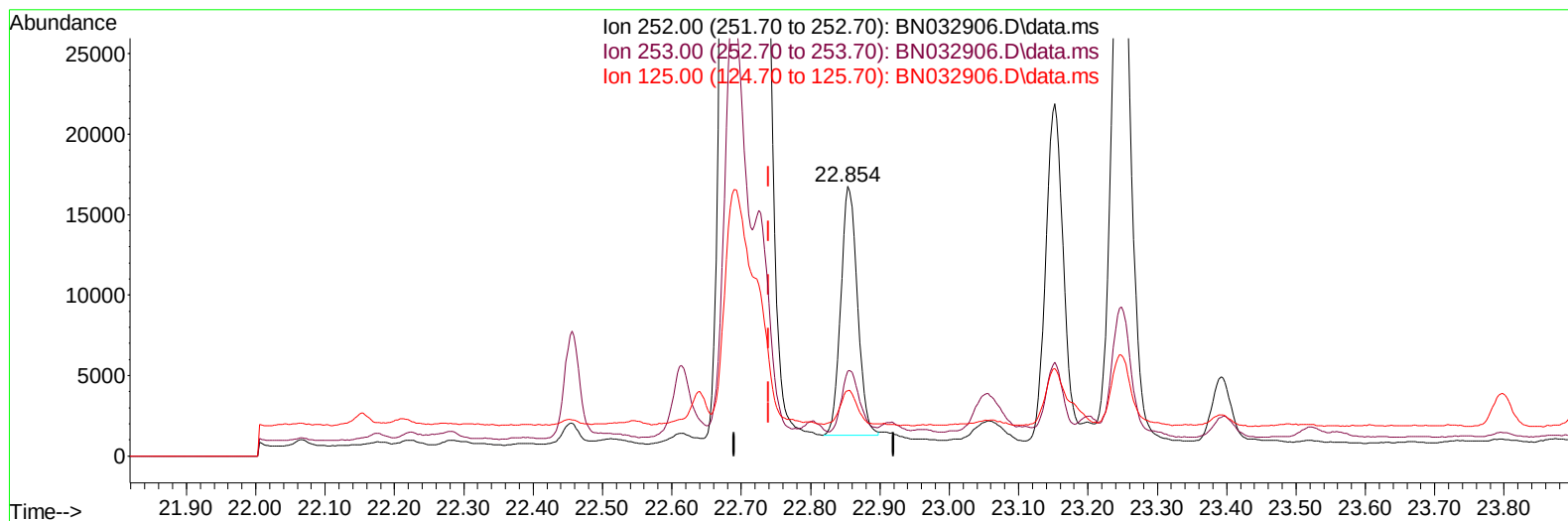
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
Data File : BN032906.D
Acq On : 23 Jul 2024 12:18
Operator : MA/JU
Sample : P3215-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BD3

Manual IntegrationsAPPROVED

Quant Time: Jul 23 12:52:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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Supervised By :mohammad ahmed 07/26/2024



TIC: BN032906.D\data.ms

(25) Benzo(k)fluoranthene

22.854min (+ 0.114) 0.38 ng/u1

response 25749

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	31.43
125.00	18.50	24.27#
0.00	0.00	0.00

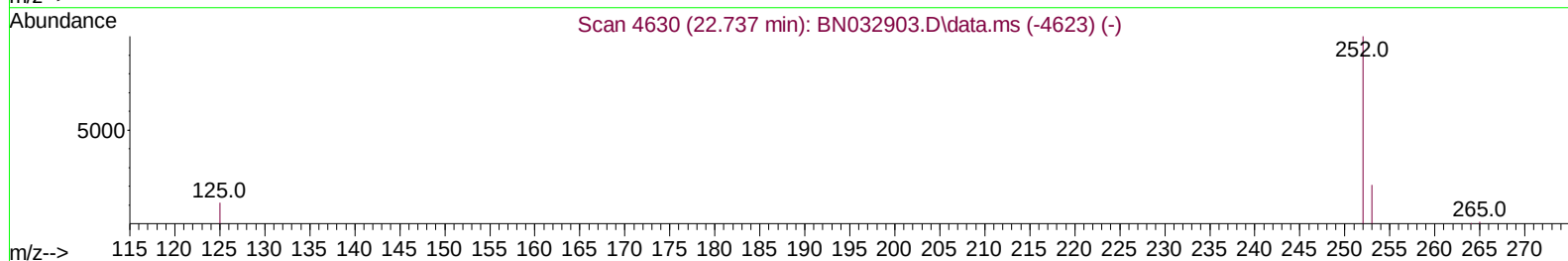
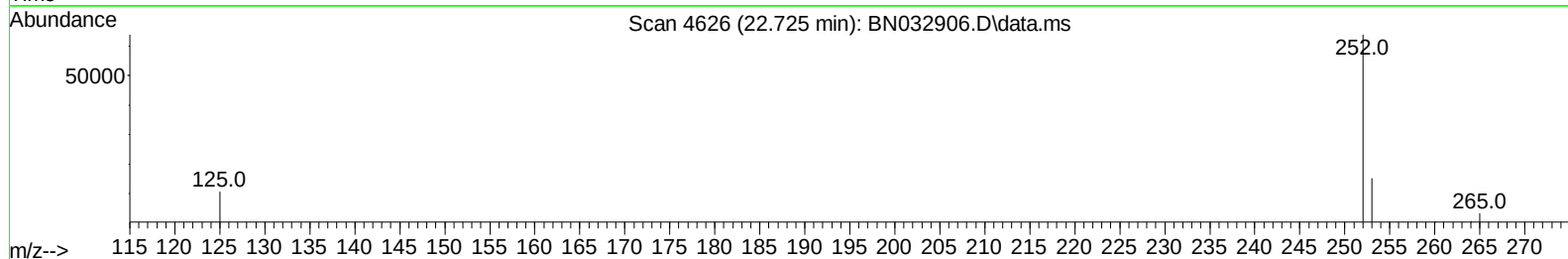
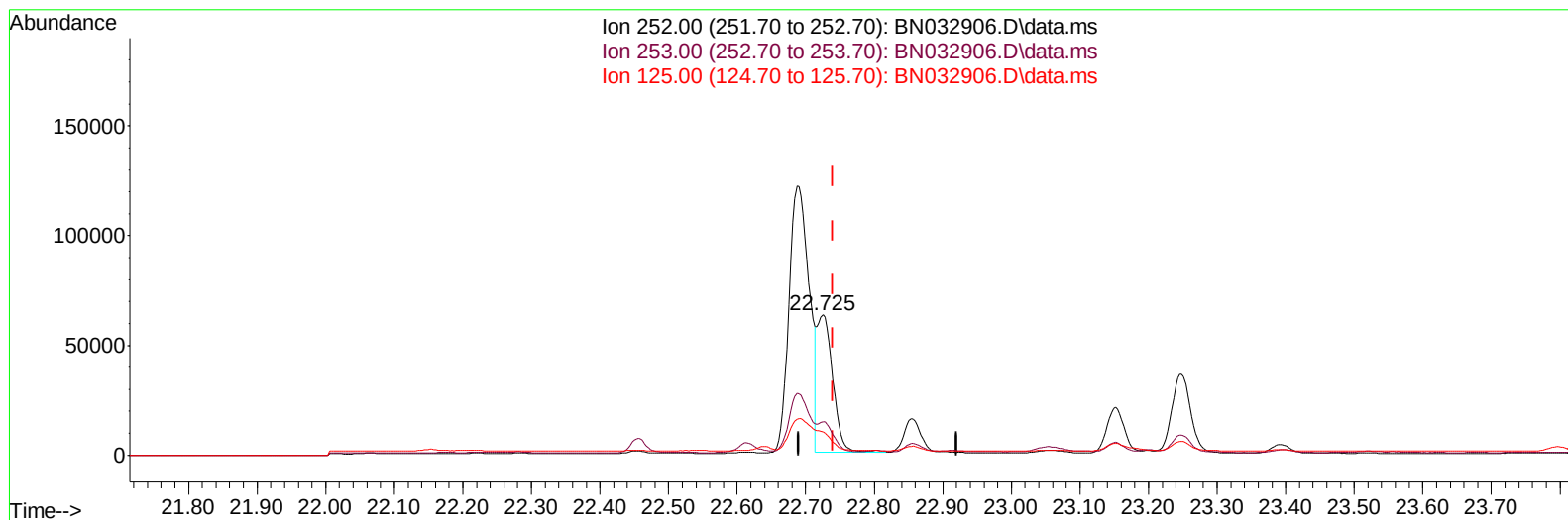
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
Data File : BN032906.D
Acq On : 23 Jul 2024 12:18
Operator : MA/JU
Sample : P3215-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BD3

Manual IntegrationsAPPROVED

Quant Time: Jul 23 12:52:19 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 :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/26/2024



TIC: BN032906.D\data.ms

(25) Benzo(k)fluoranthene

22.725min (-0.015) 1.47 ng/ul m

response 100233

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	23.85
125.00	18.50	16.63
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.519	152	6091	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.288	136	19639	0.400	ng/ul	-0.03
9) Acenaphthene-d10	14.170	164	12082	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.931	188	20181m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.153	240	14209m	0.400	ng/ul	-0.01
23) Perylene-d12	23.345	264	15826m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.084	96	21008	2.872	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.894	152	6952	0.234	ng/ul	-0.03
18) Fluoranthene-d10	18.976	212	10422	0.225	ng/ul	-0.02
Target Compounds						
					Qvalue	
5) Naphthalene	10.338	128	3655	0.069	ng/ul#	95
7) 2-Methylnaphthalene	11.971	142	1654	0.050	ng/ul	98
8) 1-Methylnaphthalene	12.191	142	1607	0.047	ng/ul	100
10) Acenaphthylene	13.892	152	10621	0.218	ng/ul	99
11) Acenaphthene	14.235	153	6964	0.173	ng/ul	99
12) Fluorene	15.229	166	8632	0.187	ng/ul	99
15) Phenanthrene	16.974	178	199859m	3.636	ng/ul	
16) Anthracene	17.067	178	41172m	0.917	ng/ul	
19) Fluoranthene	19.008	202	399502	6.915	ng/ul	97
20) Pyrene	19.375	202	228316	3.818	ng/ul	97
21) Benzo(a)anthracene	21.135	228	164291	3.632	ng/ul	99
22) Chrysene	21.191	228	183026	2.797	ng/ul	99
24) Benzo(b)fluoranthene	22.687	252	252618m	4.524	ng/ul	
25) Benzo(k)fluoranthene	22.725	252	100233m	1.473	ng/ul	
26) Benzo(a)pyrene	23.245	252	69376	1.436	ng/ul#	86
27) Indeno(1,2,3-cd)pyrene	25.549	276	76402	1.168	ng/ul#	96
28) Dibenzo(a,h)anthracene	25.542	278	31187	0.615	ng/ul#	94
29) Benzo(g,h,i)perylene	26.233	276	10717	0.196	ng/ul#	73

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

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