

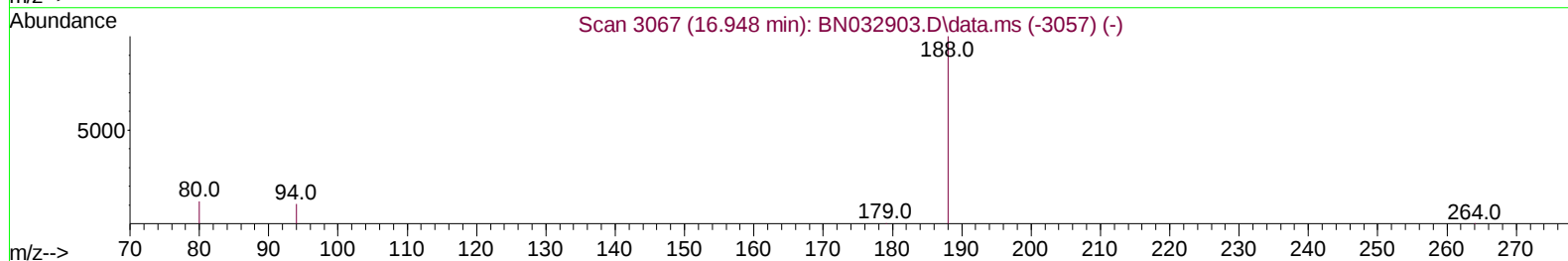
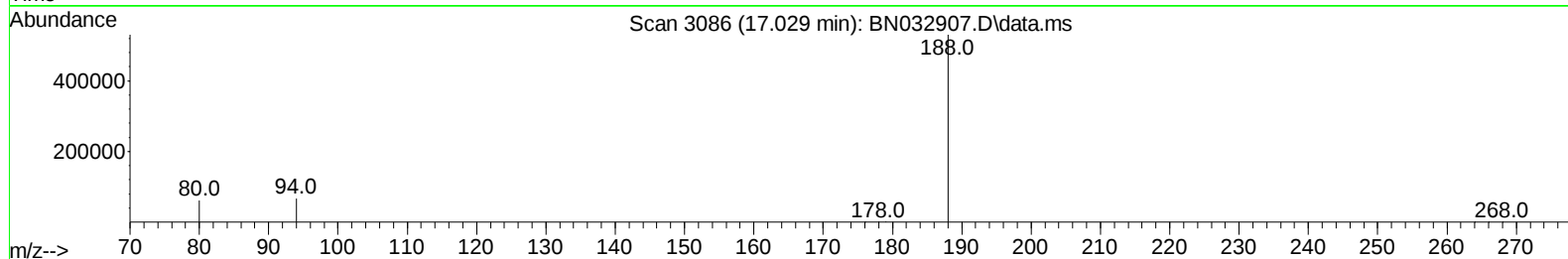
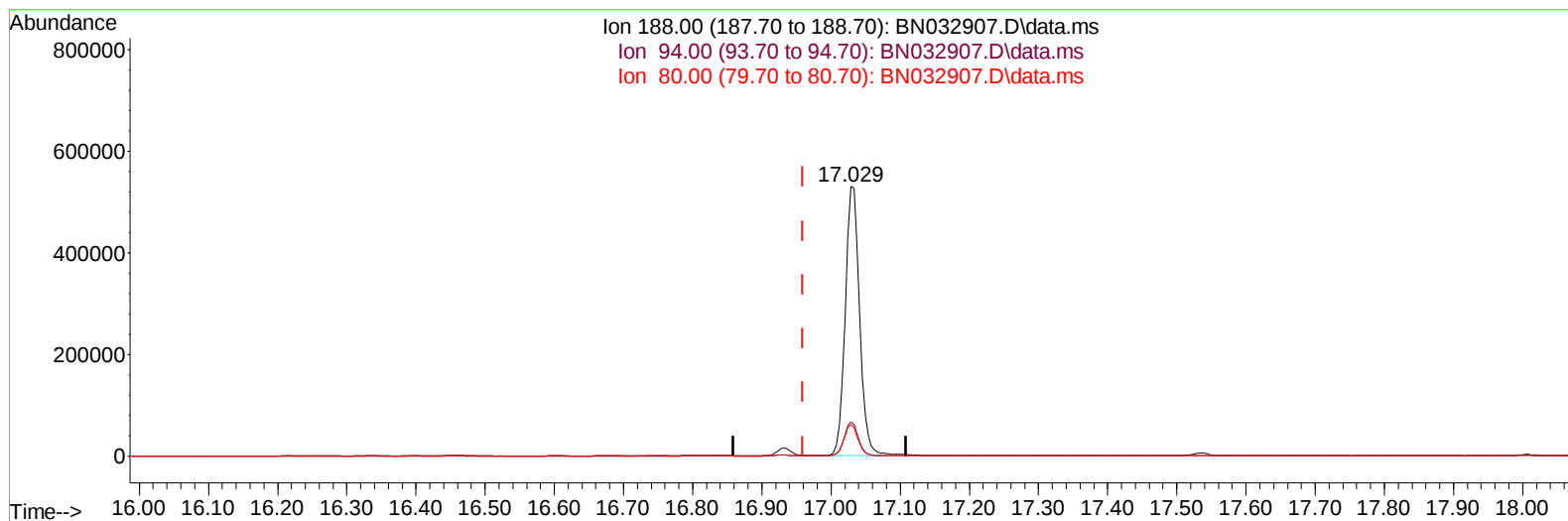
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
Data File : BN032907.D
Acq On : 23 Jul 2024 12:54
Operator : MA/JU
Sample : P3215-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CJ5

Manual IntegrationsAPPROVED

Quant Time: Jul 23 13:36:24 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: BN032907.D\data.ms

(13) Phenanthrene-d10 (I)

17.029min (+ 0.069) 0.40 ng/u1

response 760594

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	12.66
80.00	12.00	11.60
0.00	0.00	0.00

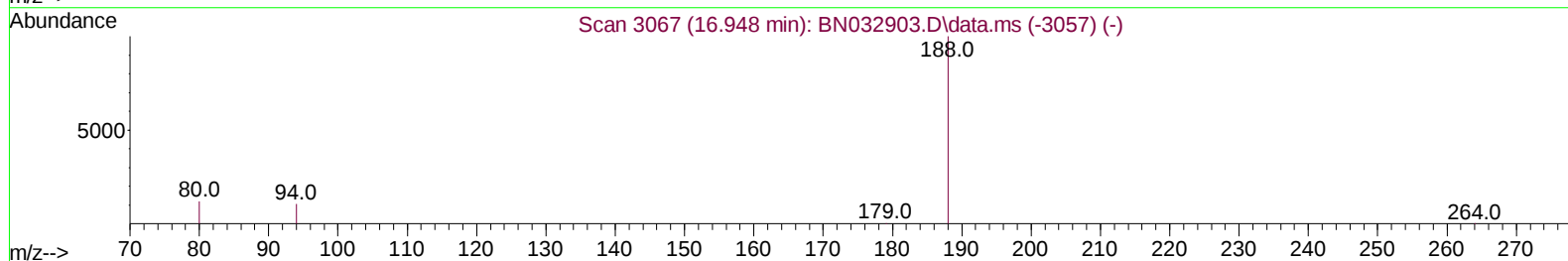
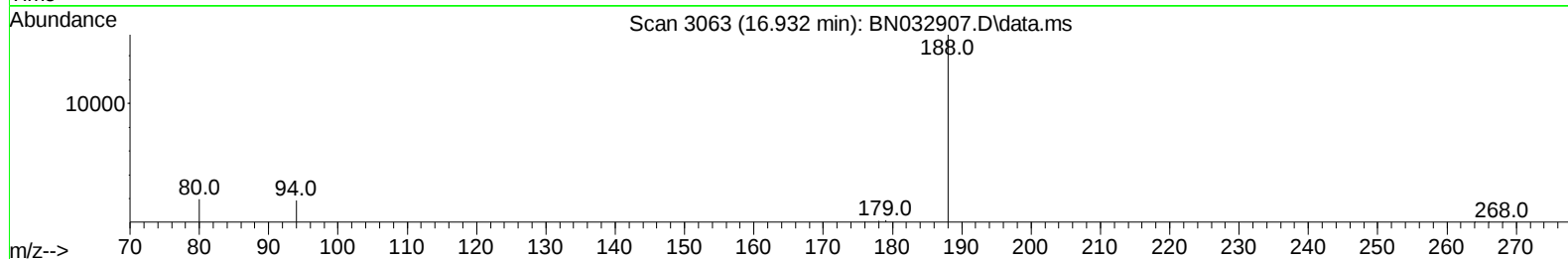
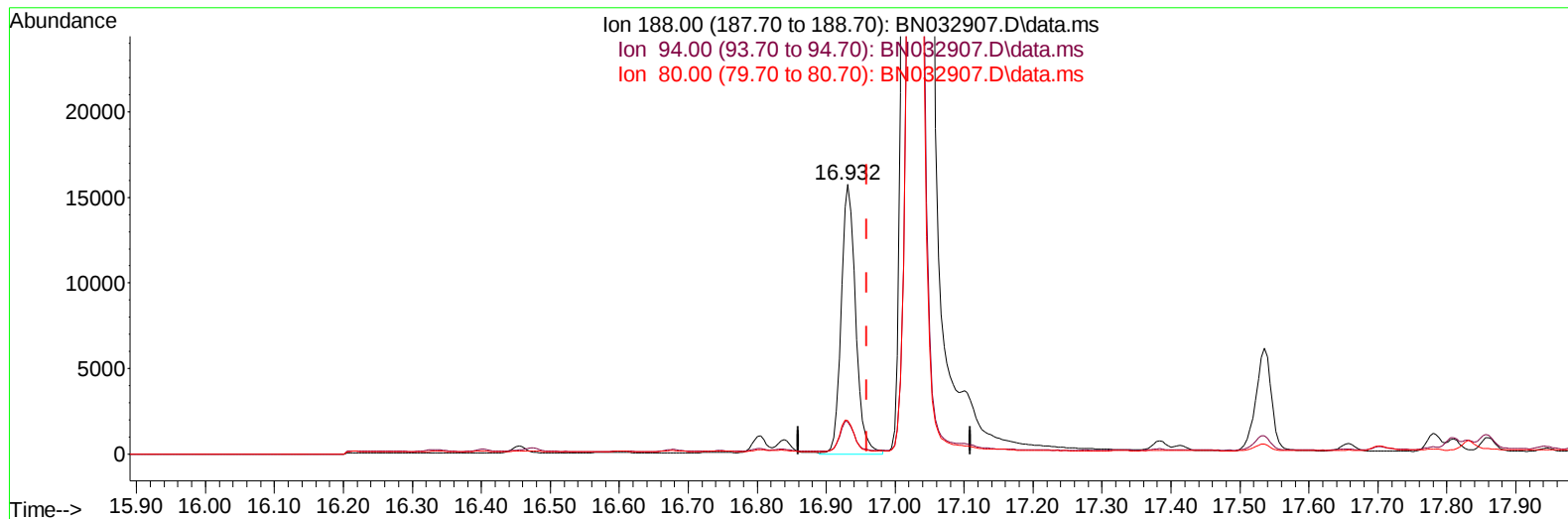
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
Data File : BN032907.D
Acq On : 23 Jul 2024 12:54
Operator : MA/JU
Sample : P3215-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CJ5

Manual IntegrationsAPPROVED

Quant Time: Jul 23 13:36:24 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: BN032907.D\data.ms

(13) Phenanthrene-d10 (I)

16.932min (-0.028) 0.40 ng/ul m

response 22879

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	11.84
80.00	12.00	12.48
0.00	0.00	0.00

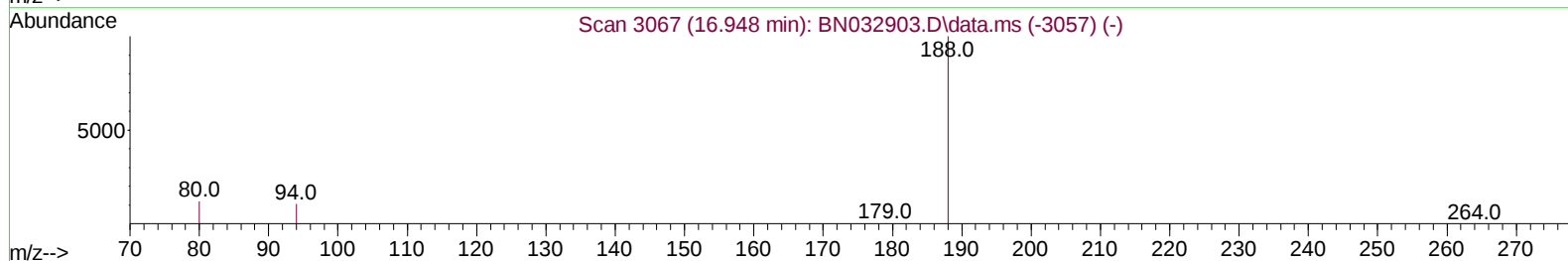
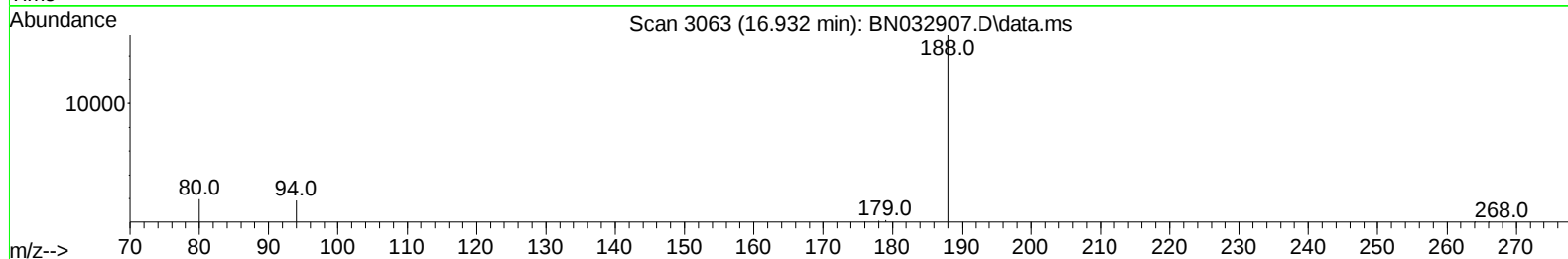
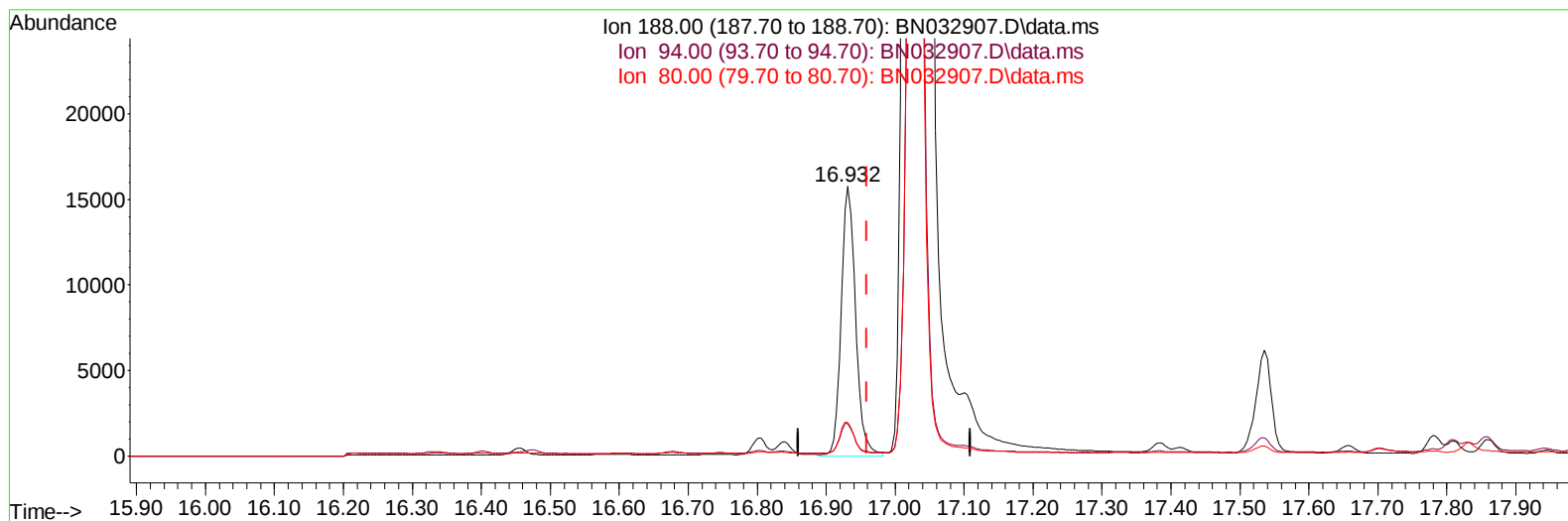
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
Data File : BN032907.D
Acq On : 23 Jul 2024 12:54
Operator : MA/JU
Sample : P3215-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CJ5

Manual IntegrationsAPPROVED

Quant Time: Jul 23 13:36:24 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: BN032907.D\data.ms

(13) Phenanthrene-d10 (I)

16.932min (-0.028) 0.40 ng/u1 m

response 22879

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	11.84
80.00	12.00	12.48
0.00	0.00	0.00

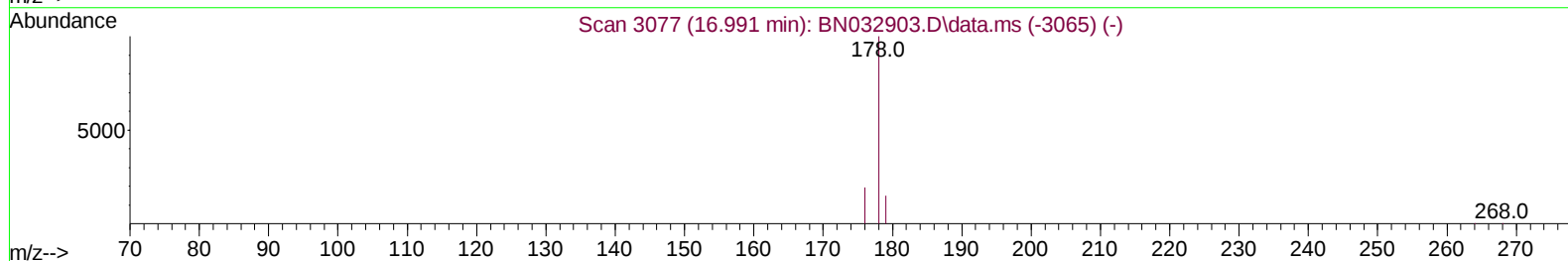
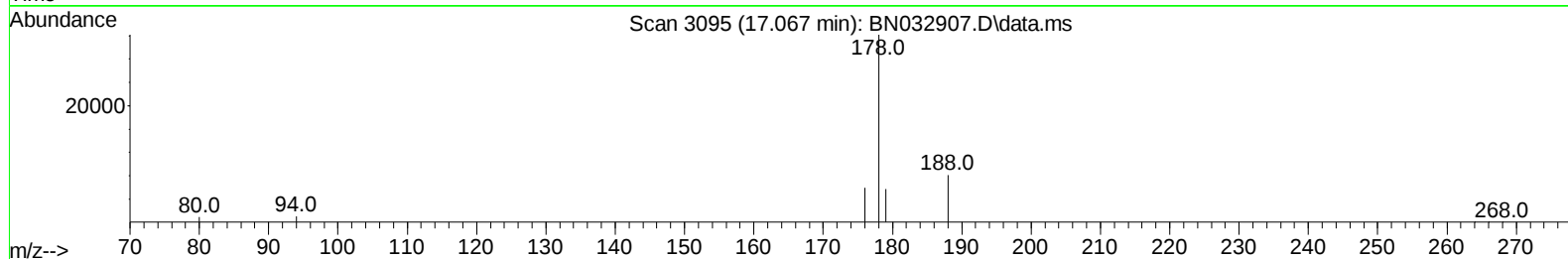
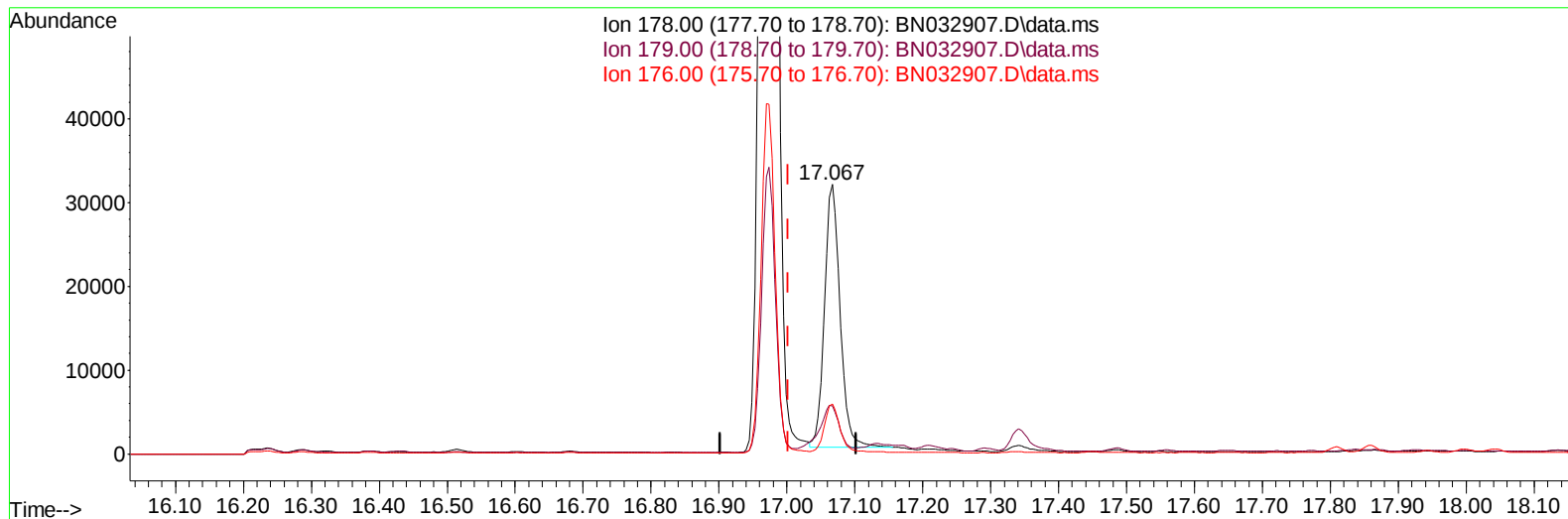
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
Data File : BN032907.D
Acq On : 23 Jul 2024 12:54
Operator : MA/JU
Sample : P3215-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CJ5

Manual IntegrationsAPPROVED

Quant Time: Jul 23 13:36:24 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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Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/26/2024



TIC: BN032907.D\data.ms

(15) Phenanthrene

17.067min (+ 0.065) 0.80 ng/u1

response 50102

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	17.80
176.00	19.50	18.56
0.00	0.00	0.00

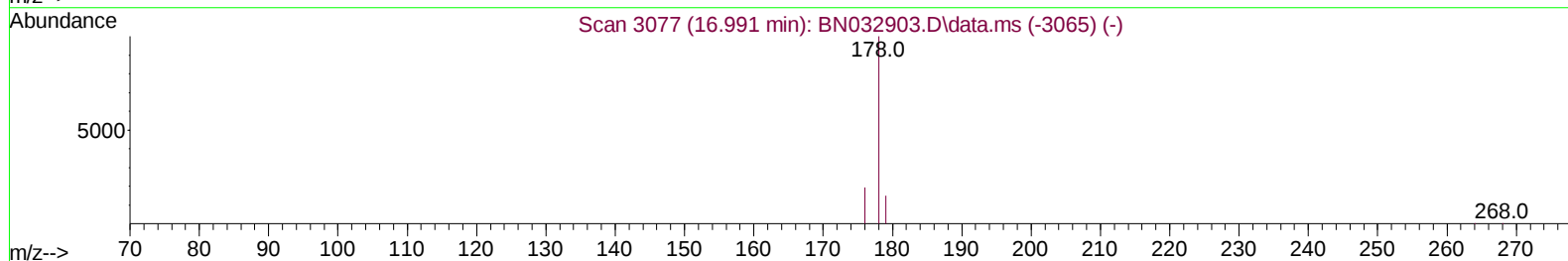
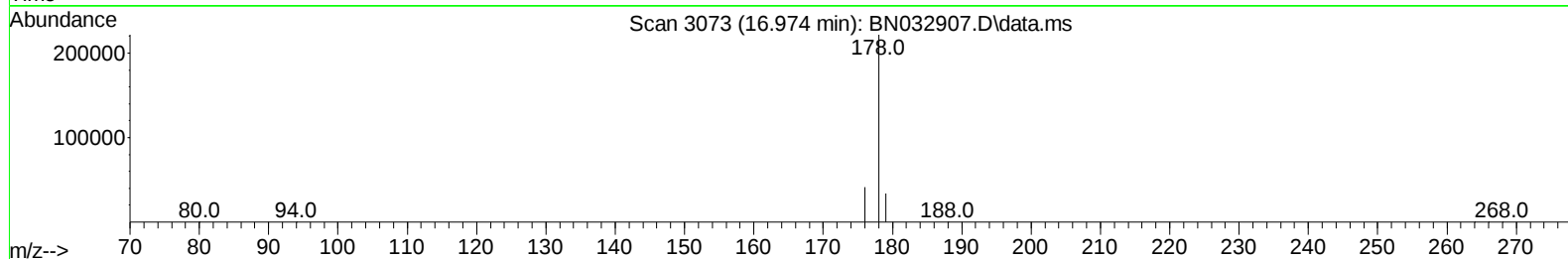
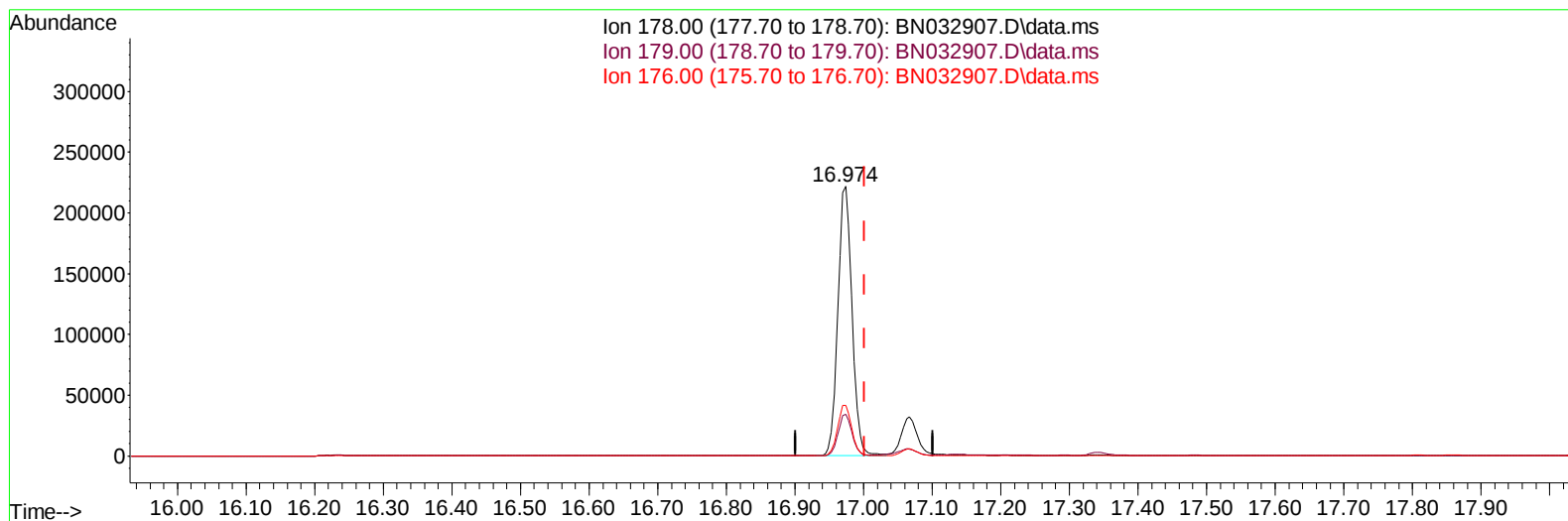
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
Data File : BN032907.D
Acq On : 23 Jul 2024 12:54
Operator : MA/JU
Sample : P3215-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CJ5

Manual IntegrationsAPPROVED

Quant Time: Jul 23 13:36:24 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: BN032907.D\data.ms

(15) Phenanthrene

16.974min (-0.028) 5.13 ng/u1 m

response 319516

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	15.45
176.00	19.50	18.83
0.00	0.00	0.00

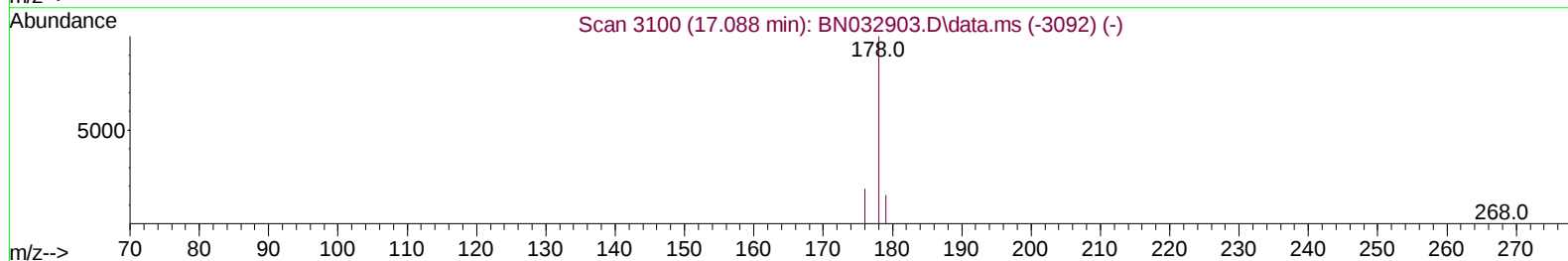
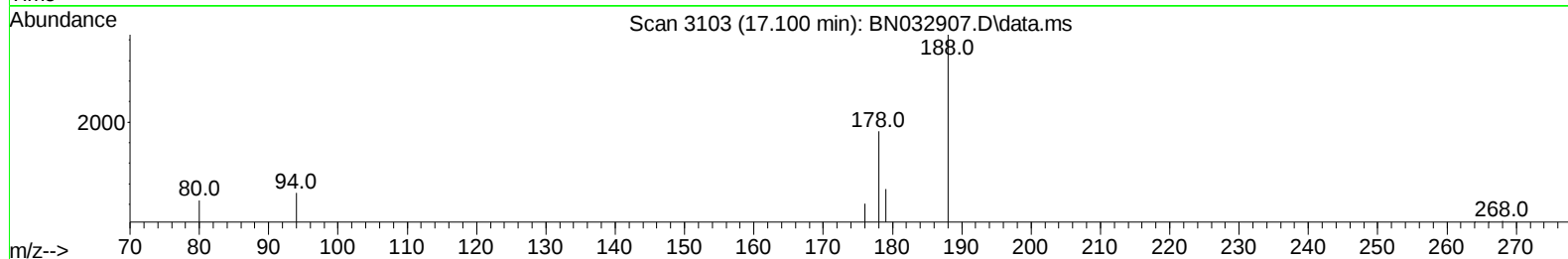
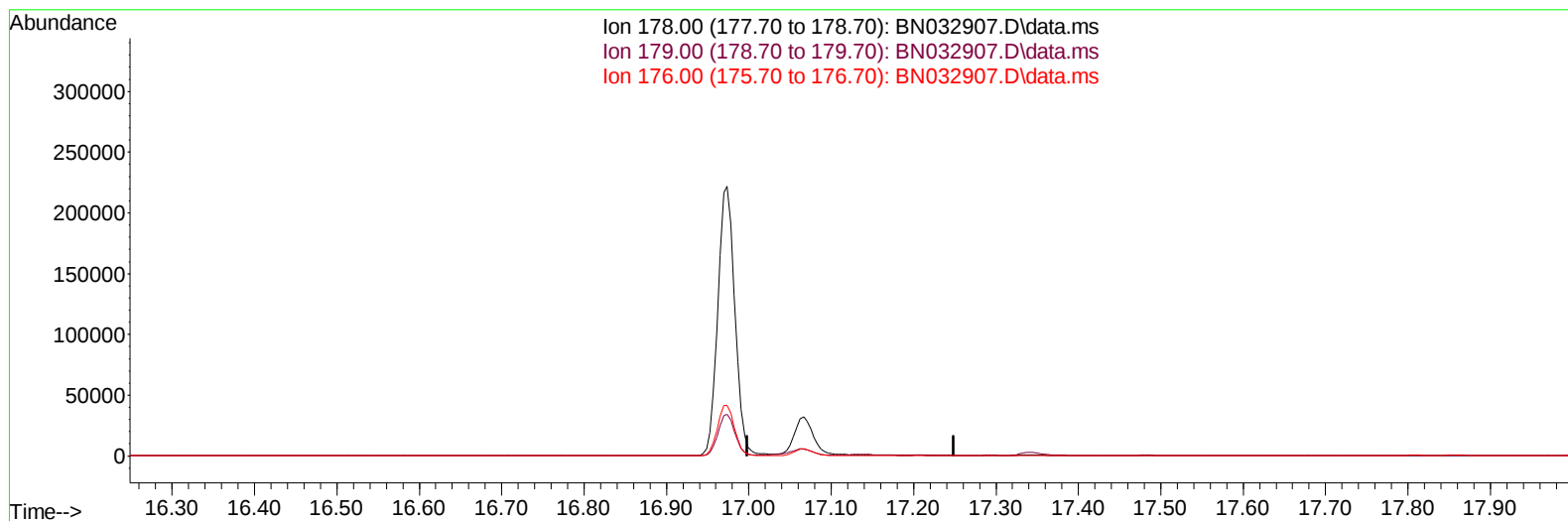
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
Data File : BN032907.D
Acq On : 23 Jul 2024 12:54
Operator : MA/JU
Sample : P3215-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CJ5

Manual IntegrationsAPPROVED

Quant Time: Jul 23 13:36:24 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: BN032907.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

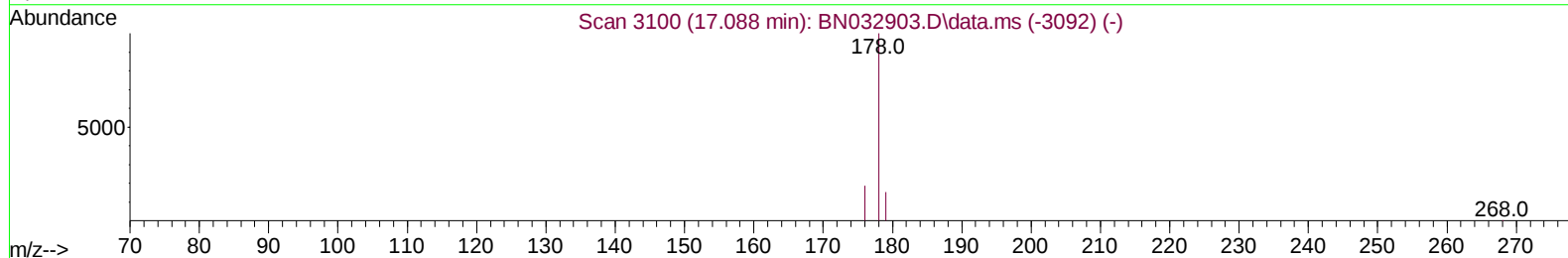
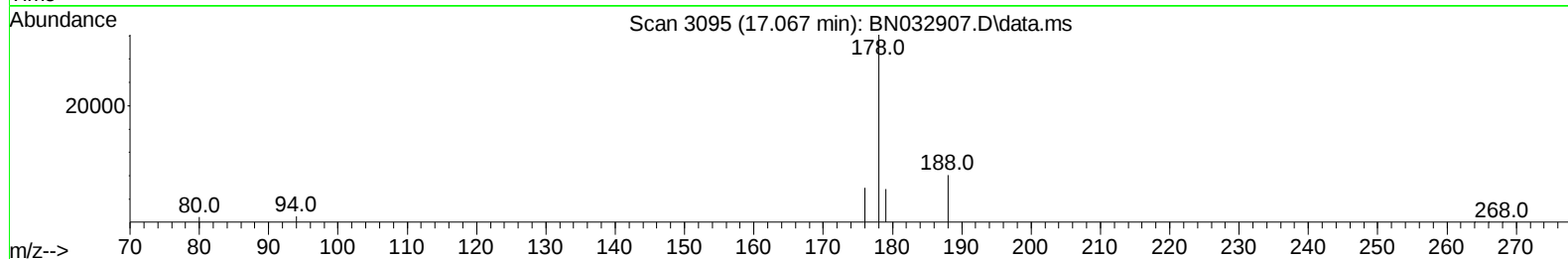
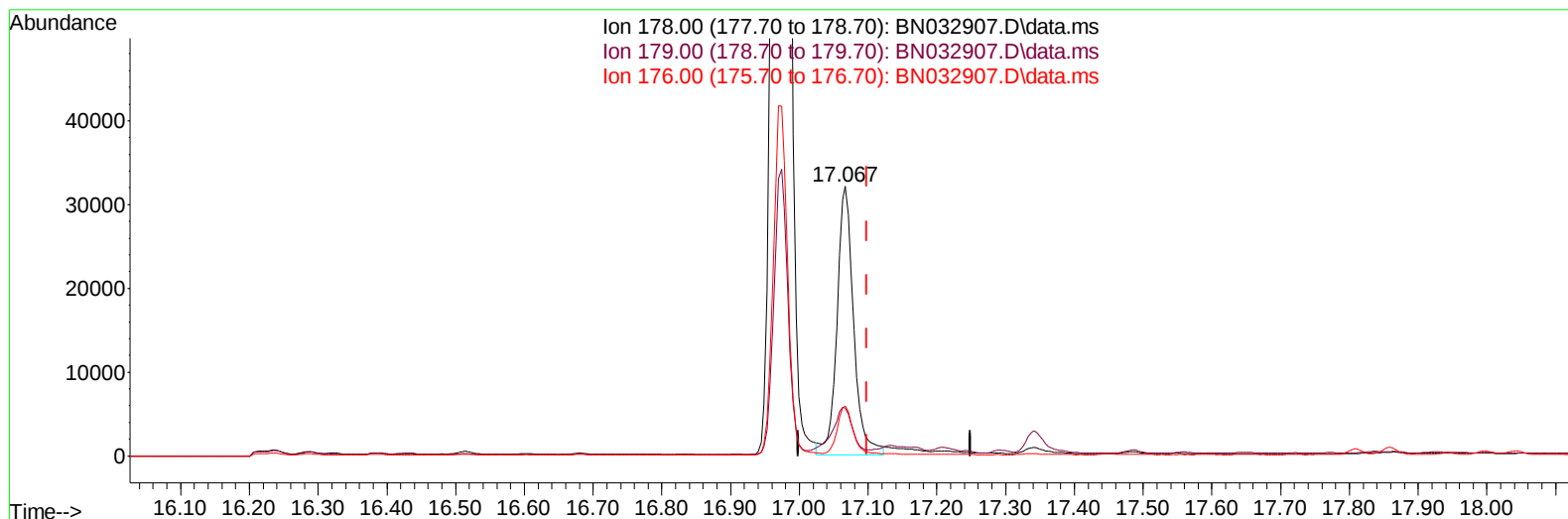
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
Data File : BN032907.D
Acq On : 23 Jul 2024 12:54
Operator : MA/JU
Sample : P3215-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CJ5

Manual IntegrationsAPPROVED

Quant Time: Jul 23 13:36:24 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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Supervised By :mohammad ahmed 07/26/2024



TIC: BN032907.D\data.ms

(16) Anthracene

17.067min (-0.032) 1.06 ng/u1 m

response 54070

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	17.80
176.00	19.20	18.56
0.00	0.00	0.00

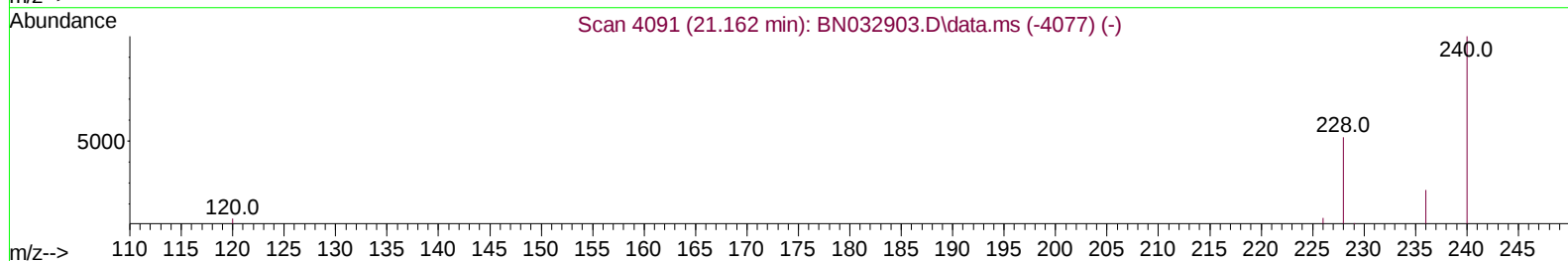
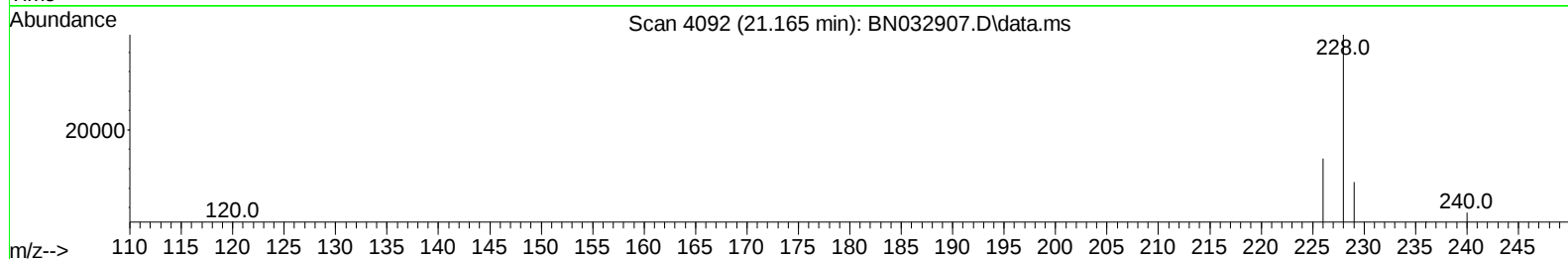
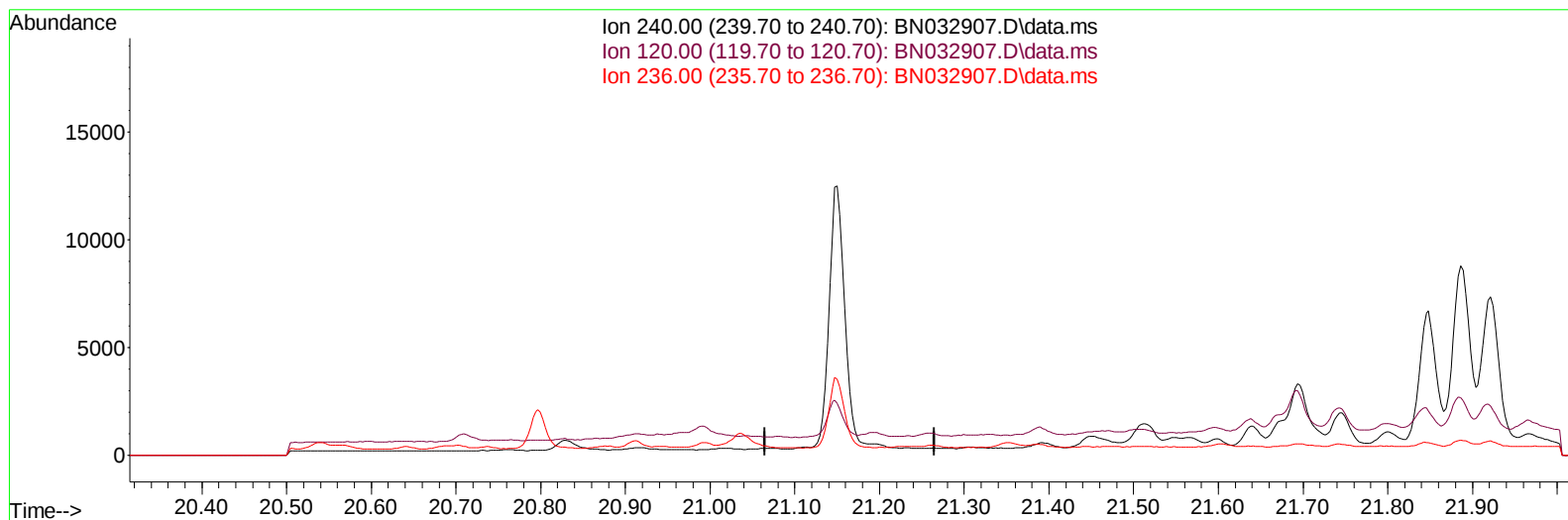
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
Data File : BN032907.D
Acq On : 23 Jul 2024 12:54
Operator : MA/JU
Sample : P3215-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CJ5

Manual IntegrationsAPPROVED

Quant Time: Jul 23 13:36:24 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: BN032907.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

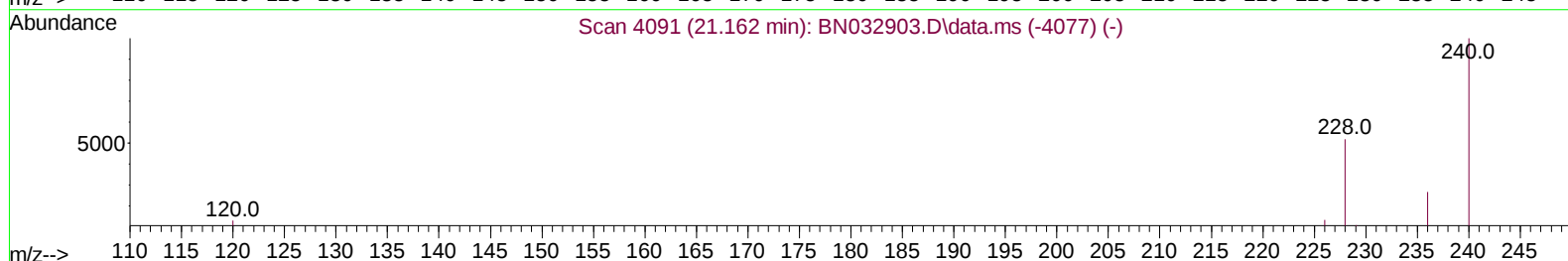
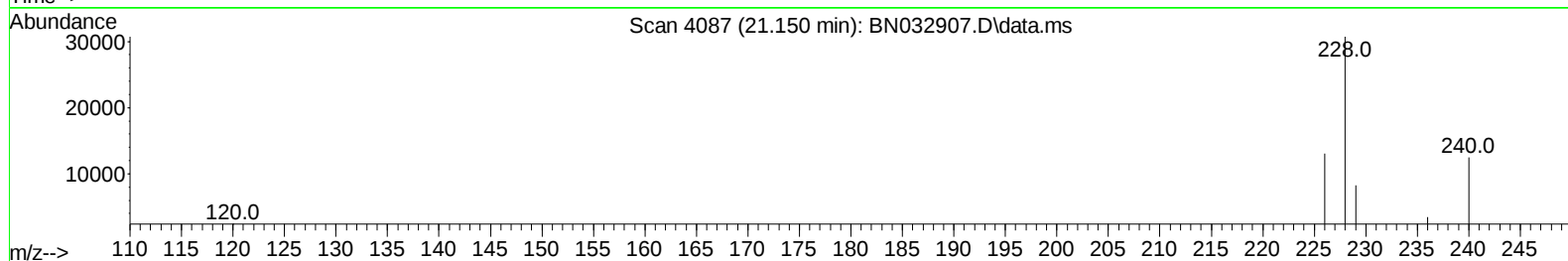
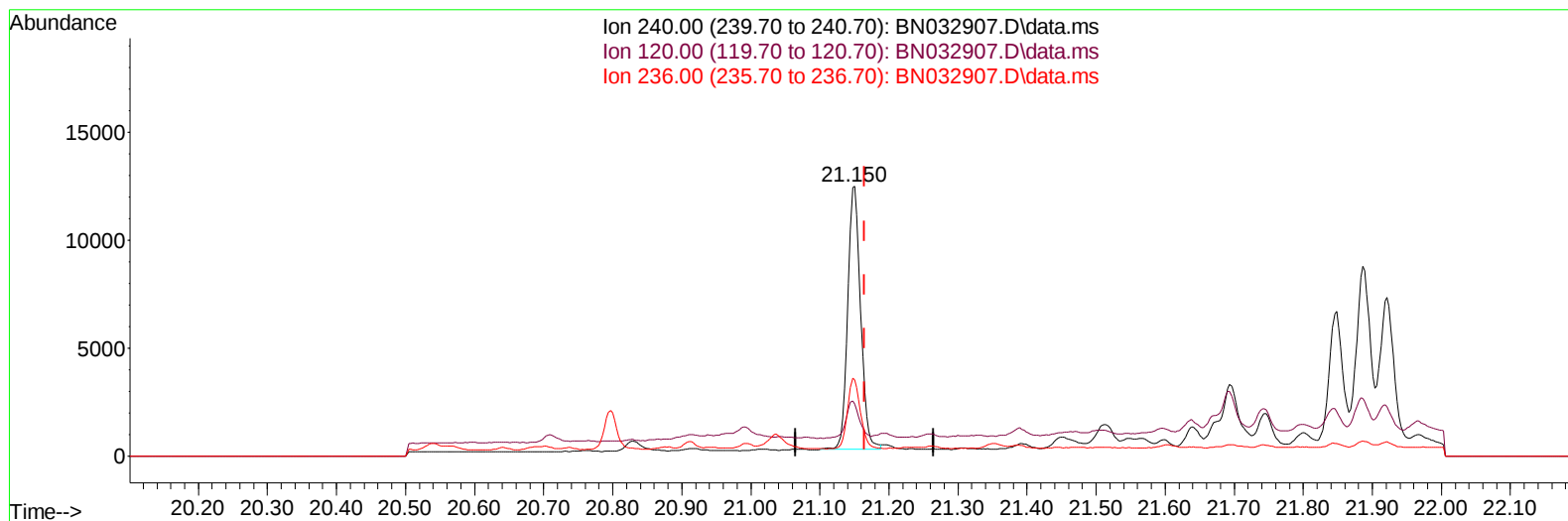
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
Data File : BN032907.D
Acq On : 23 Jul 2024 12:54
Operator : MA/JU
Sample : P3215-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CJ5

Manual IntegrationsAPPROVED

Quant Time: Jul 23 13:36:24 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: BN032907.D\data.ms

(17) Chrysene-d12

21.150min (-0.015) 0.40 ng/ul m

response 15718

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.00	19.31
236.00	28.40	28.10
0.00	0.00	0.00

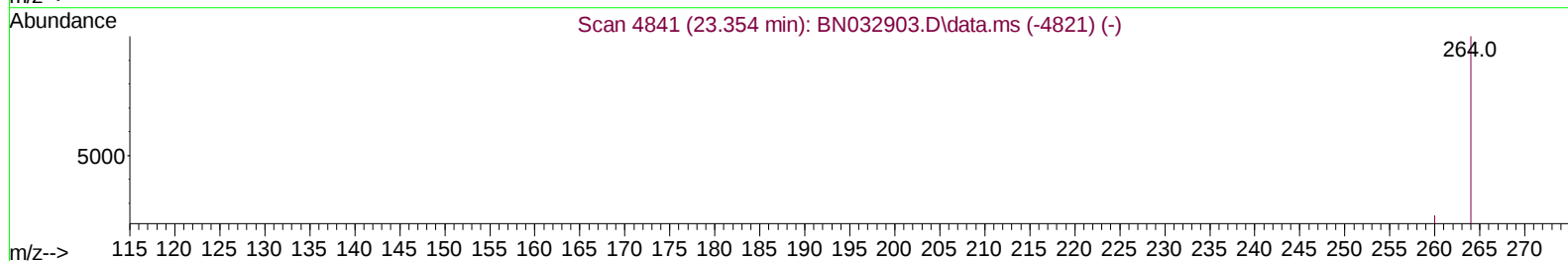
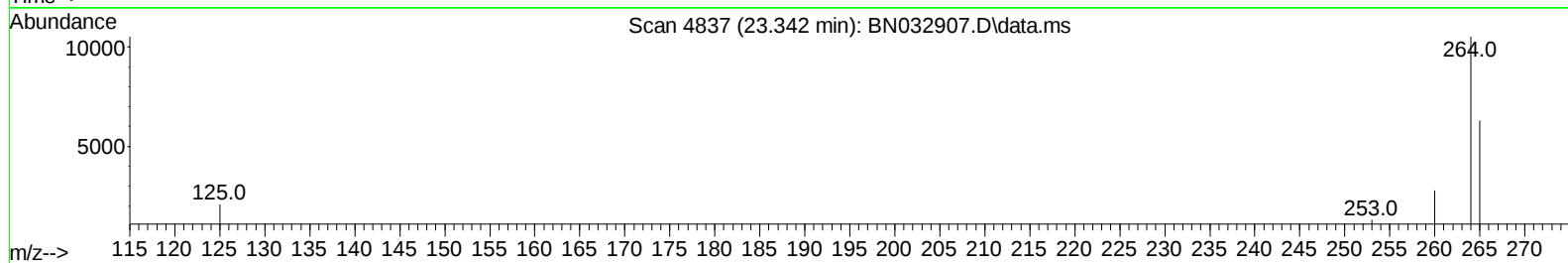
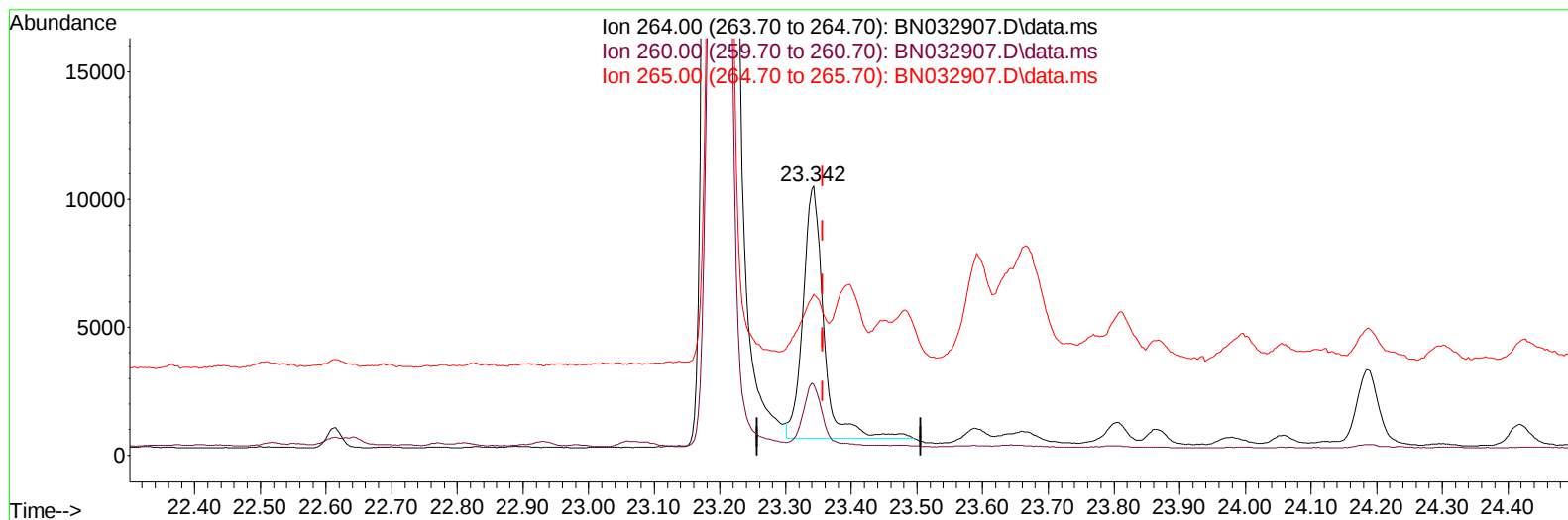
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
 Data File : BN032907.D
 Acq On : 23 Jul 2024 12:54
 Operator : MA/JU
 Sample : P3215-20
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CJ5

Manual IntegrationsAPPROVED

Quant Time: Jul 23 13:36:24 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: BN032907.D\data.ms

(23) Perylene-d12 (I)

23.342min (-0.015) 0.40 ng/u1

response 21405

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	26.41
265.00	95.50	59.87#
0.00	0.00	0.00

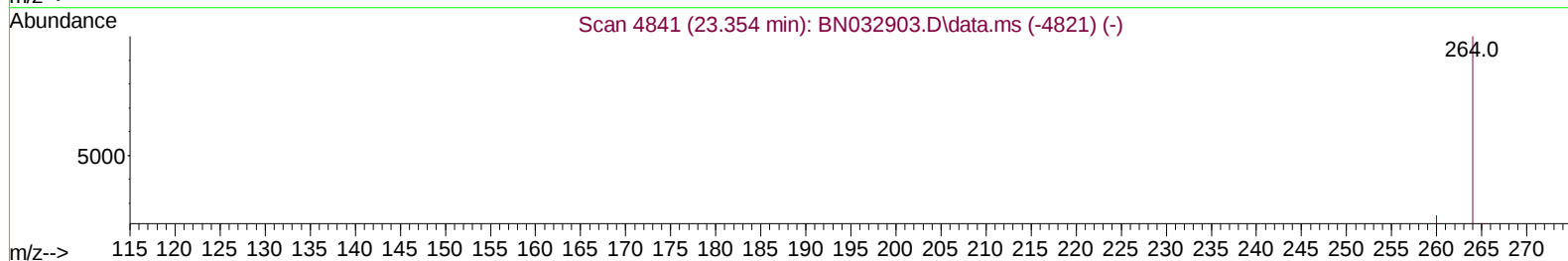
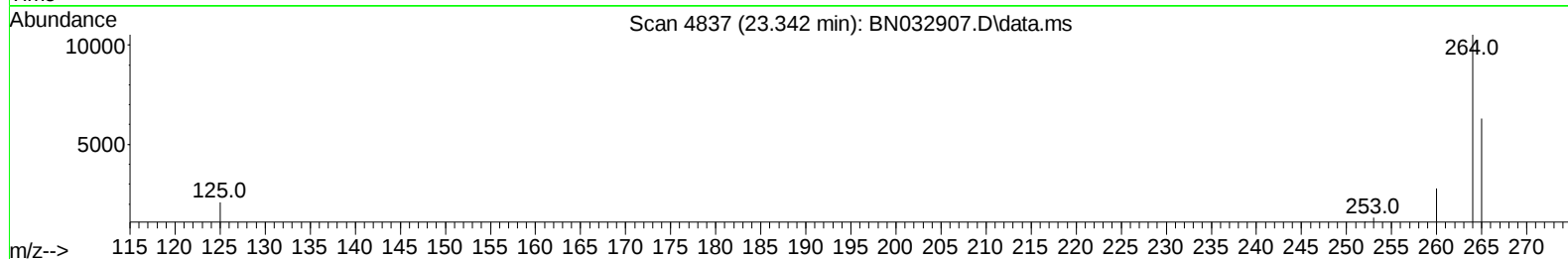
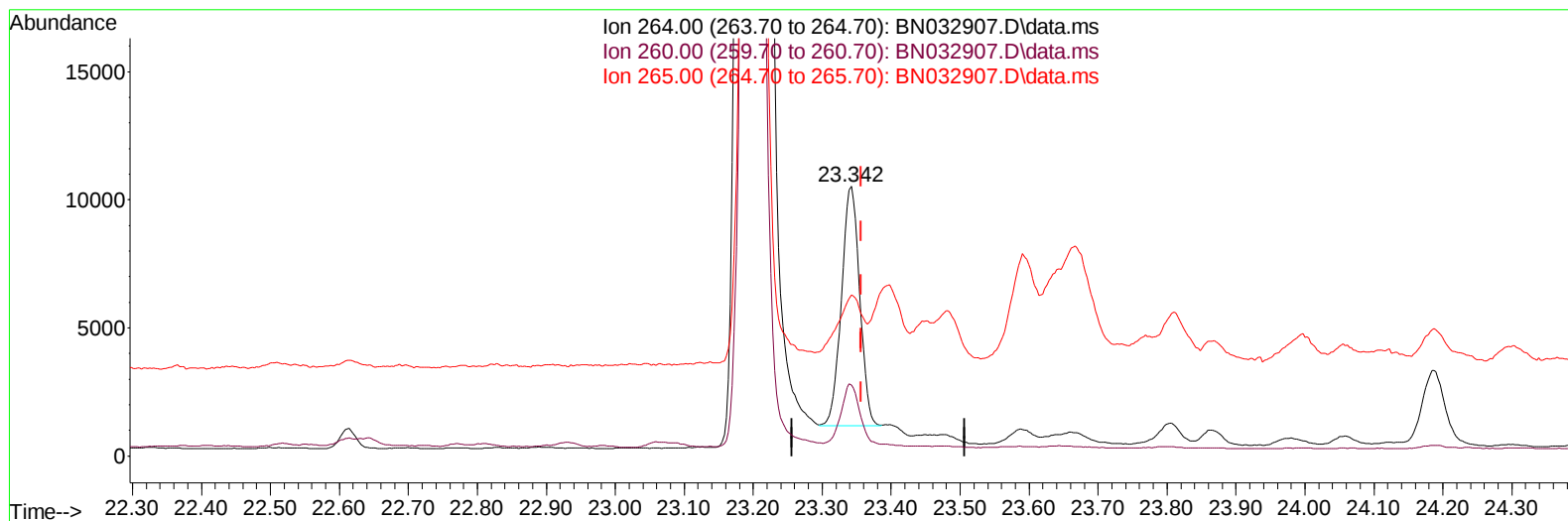
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
Data File : BN032907.D
Acq On : 23 Jul 2024 12:54
Operator : MA/JU
Sample : P3215-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CJ5

Manual IntegrationsAPPROVED

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TIC: BN032907.D\data.ms

(23) Perylene-d12 (I)

23.342min (-0.015) 0.40 ng/ul m

response 17149

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	26.41
265.00	95.50	59.87#
0.00	0.00	0.00

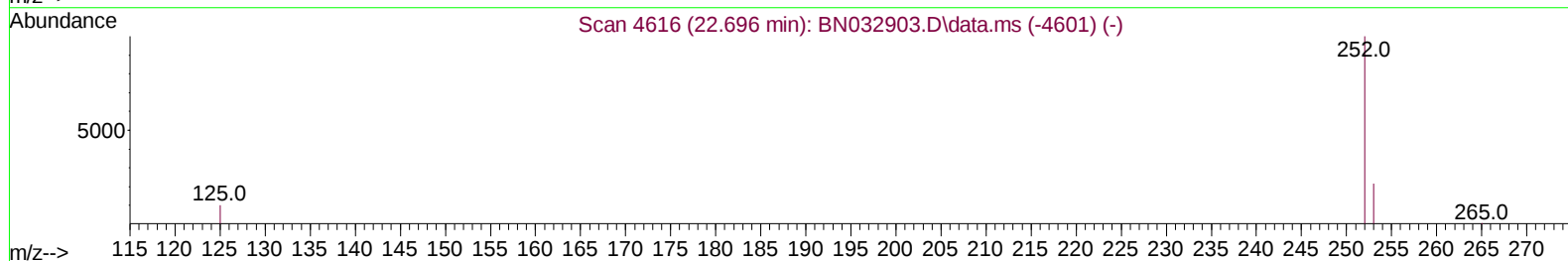
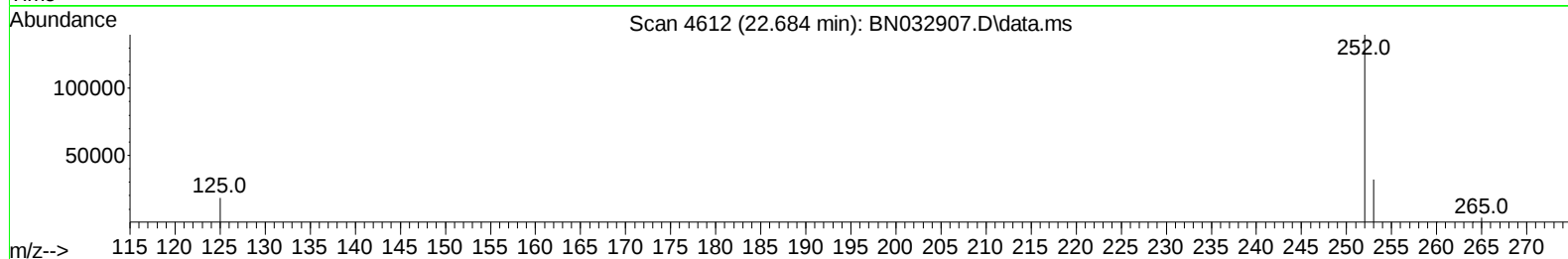
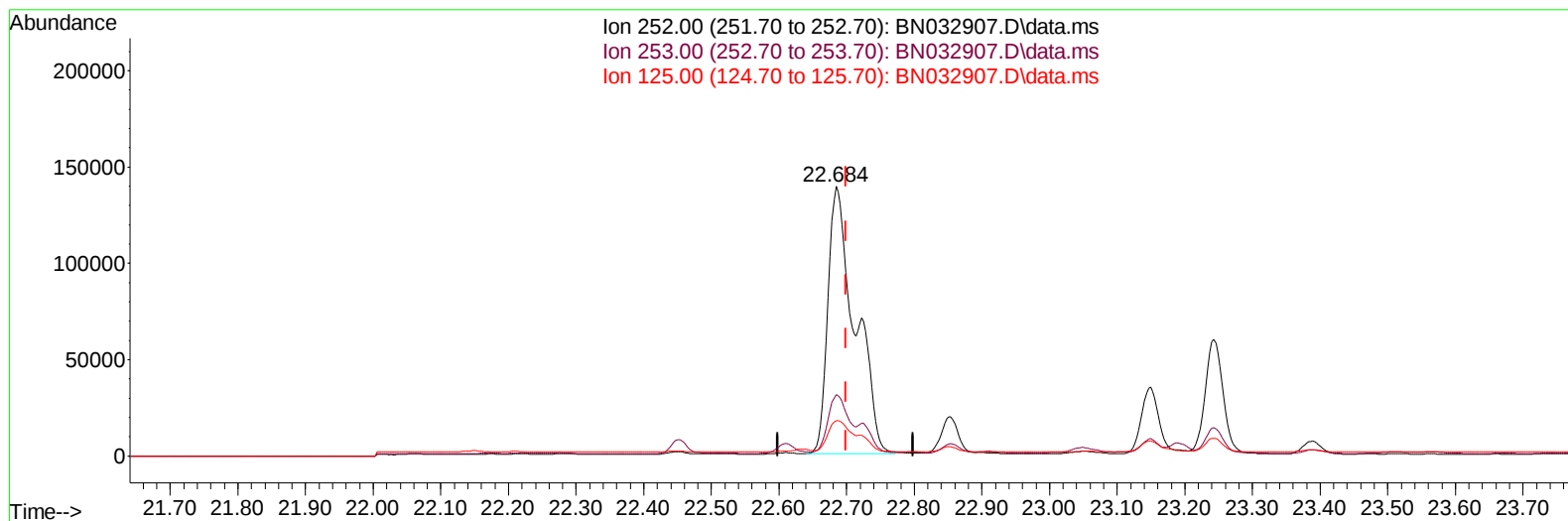
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
Data File : BN032907.D
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Sample : P3215-20
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ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
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Manual IntegrationsAPPROVED

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TIC: BN032907.D\data.ms

(24) Benzo(b)fluoranthene

22.684min (-0.015) 6.39 ng/u1

response 386525

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	22.85
125.00	18.00	13.21
0.00	0.00	0.00

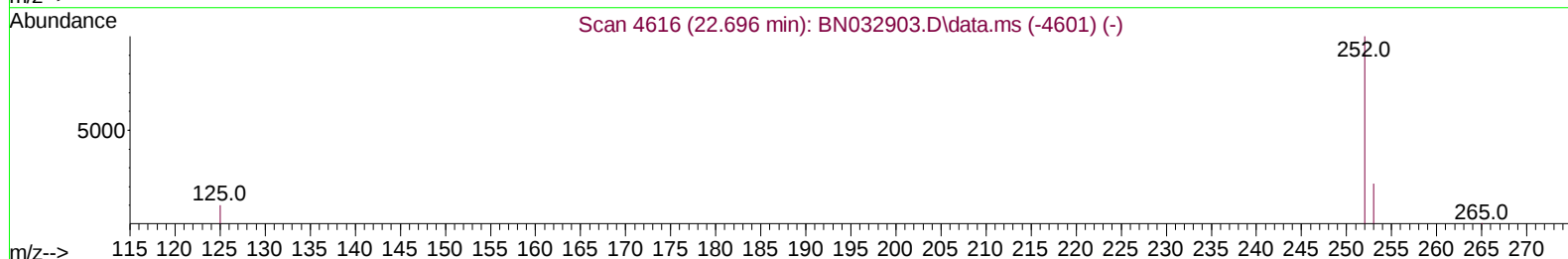
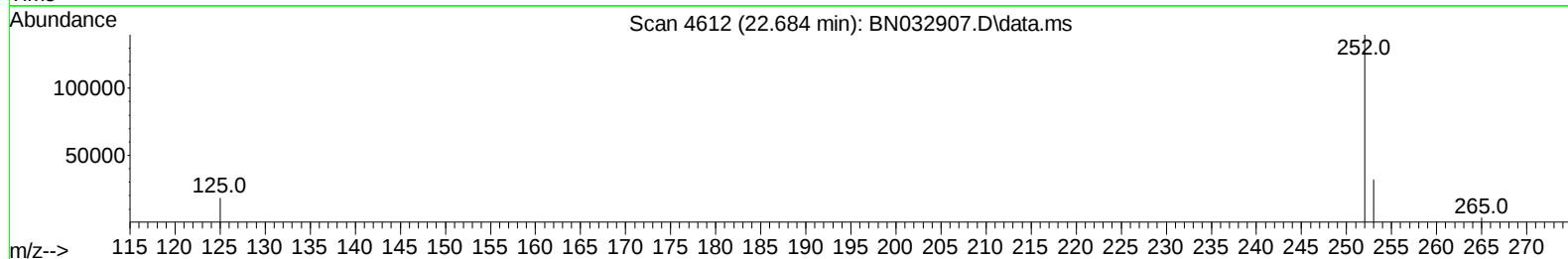
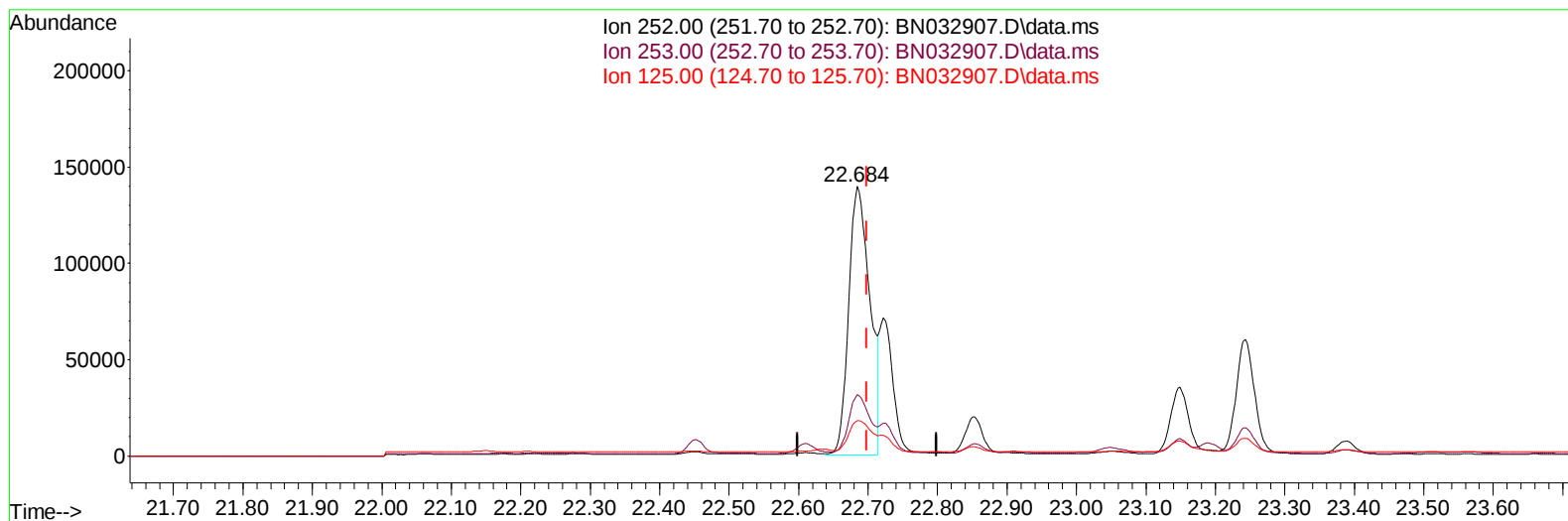
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
Data File : BN032907.D
Acq On : 23 Jul 2024 12:54
Operator : MA/JU
Sample : P3215-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CJ5

Manual IntegrationsAPPROVED

Quant Time: Jul 23 13:36:24 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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Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/26/2024



TIC: BN032907.D\data.ms

(24) Benzo(b)fluoranthene

22.684min (-0.015) 4.85 ng/u1 m

response 293658

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	22.85
125.00	18.00	13.21
0.00	0.00	0.00

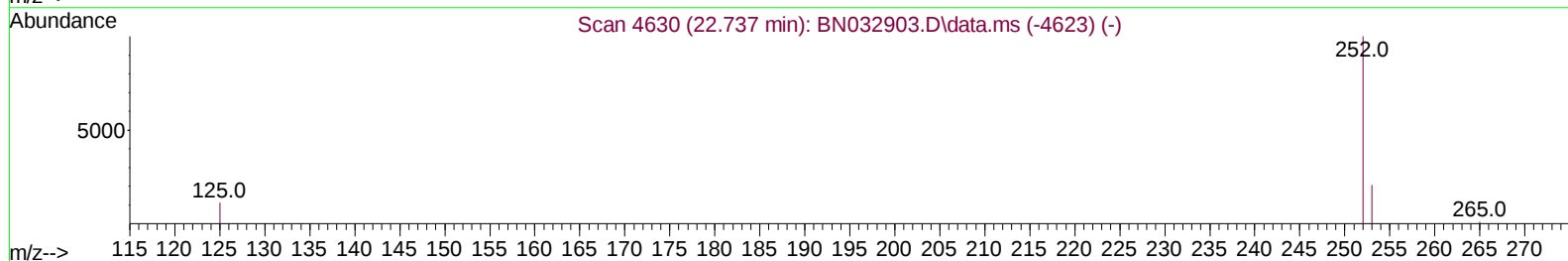
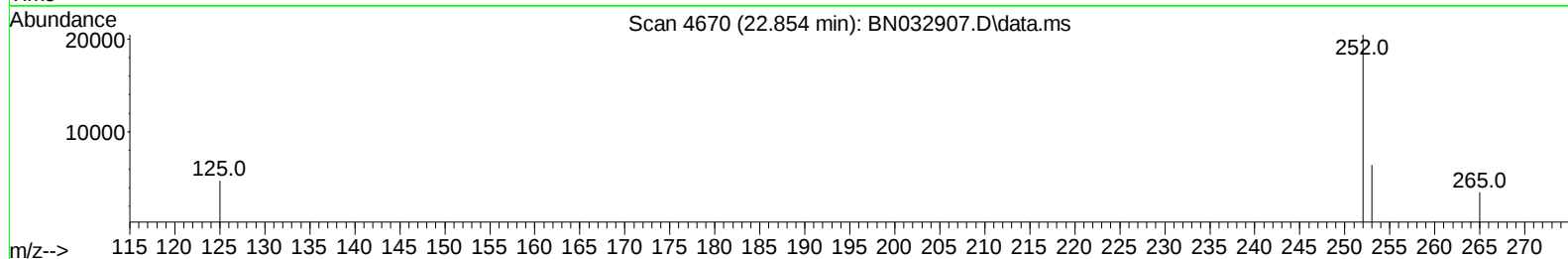
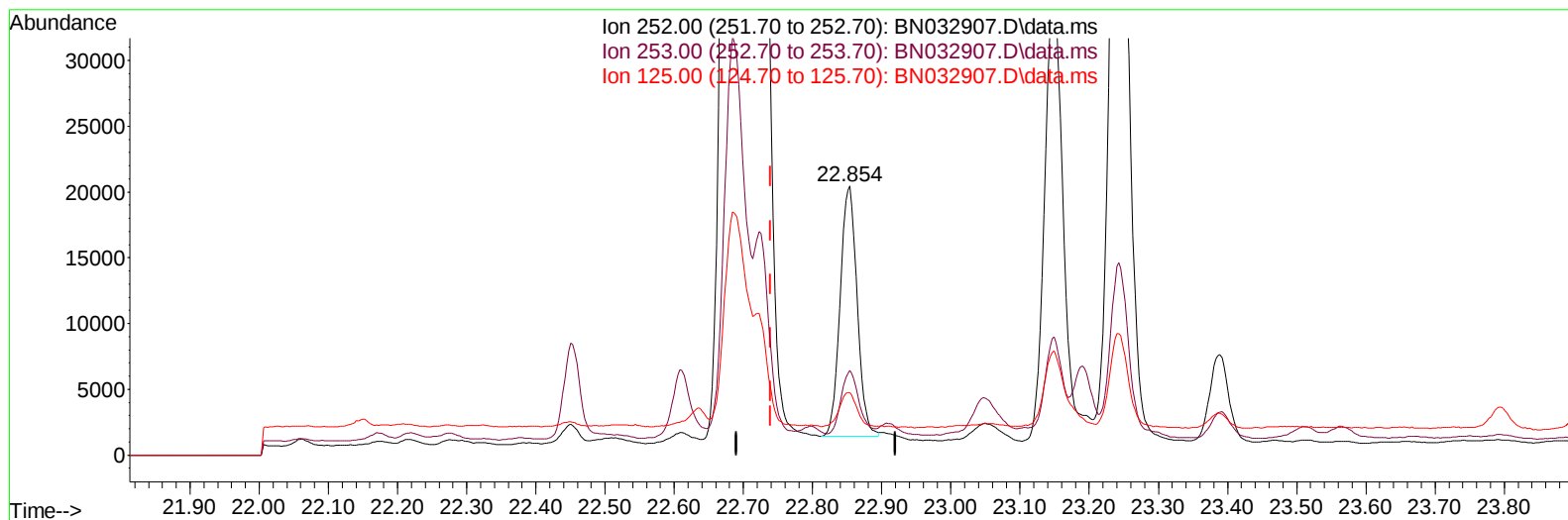
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
Data File : BN032907.D
Acq On : 23 Jul 2024 12:54
Operator : MA/JU
Sample : P3215-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CJ5

Manual IntegrationsAPPROVED

Quant Time: Jul 23 13:36:24 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: BN032907.D\data.ms

(25) Benzo(k)fluoranthene

22.854min (+ 0.114) 0.44 ng/u1

response 32497

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	31.51
125.00	18.50	23.28#
0.00	0.00	0.00

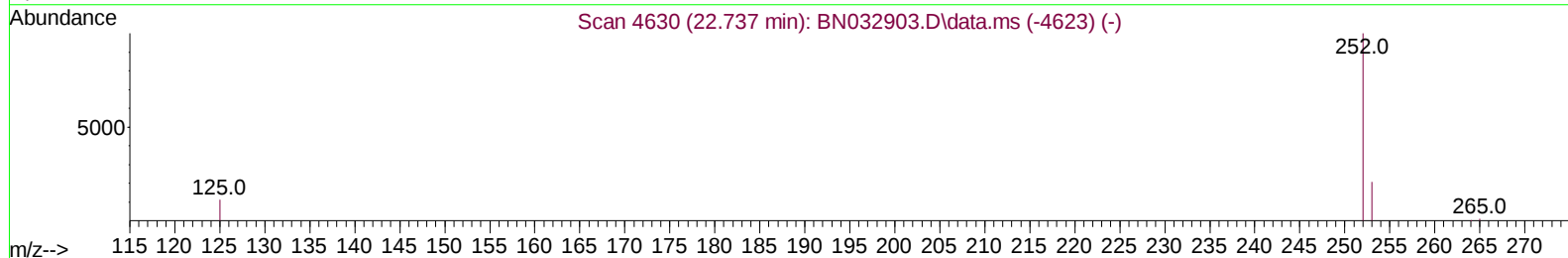
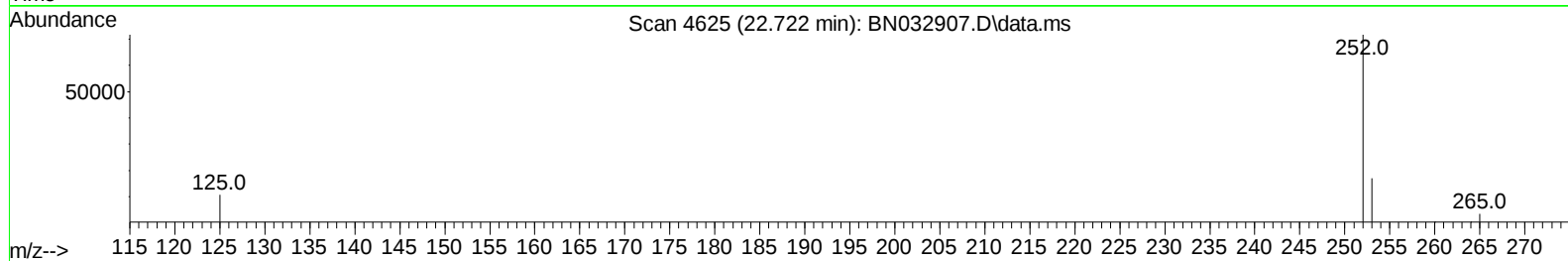
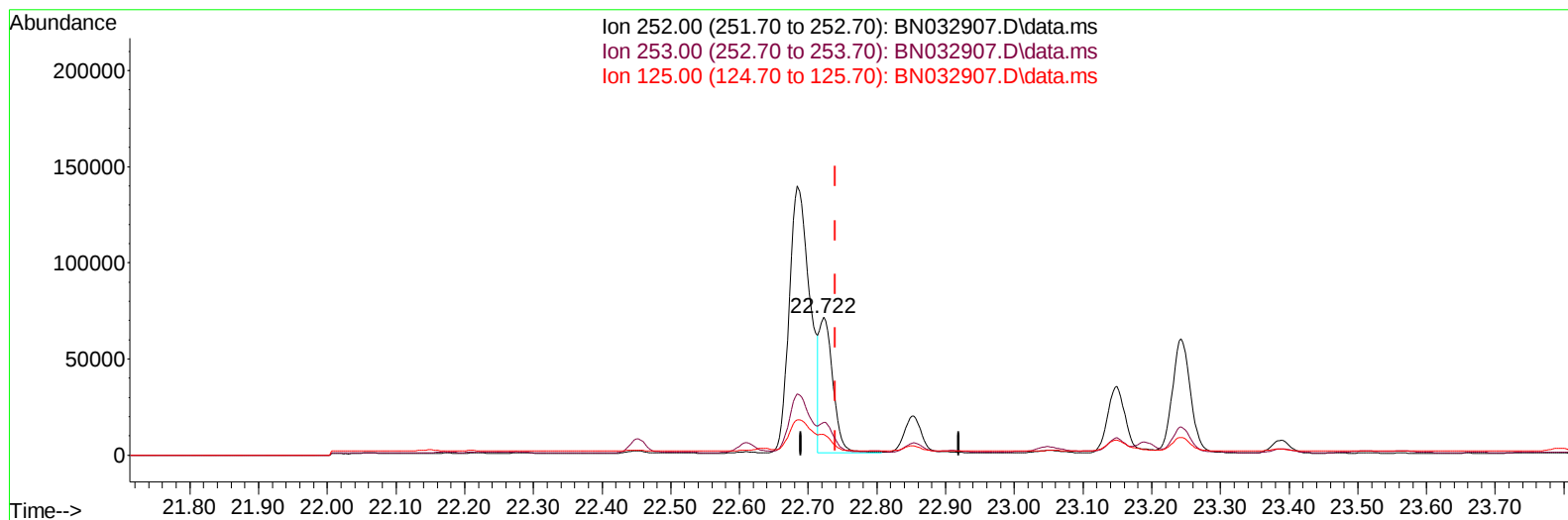
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
Data File : BN032907.D
Acq On : 23 Jul 2024 12:54
Operator : MA/JU
Sample : P3215-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CJ5

Manual IntegrationsAPPROVED

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QLast Update : Sat Jul 20 01:52:15 2024
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Supervised By :mohammad ahmed 07/26/2024



TIC: BN032907.D\data.ms

(25) Benzo(k)fluoranthene

22.722min (-0.018) 1.31 ng/u1 m

response 96460

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	23.71
125.00	18.50	15.02
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
 Data File : BN032907.D
 Acq On : 23 Jul 2024 12:54
 Operator : MA/JU
 Sample : P3215-20
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CJ5

Manual IntegrationsAPPROVED

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.519	152	5938	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.288	136	20394	0.400	ng/ul	-0.03
9) Acenaphthene-d10	14.170	164	12360	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.932	188	22879m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.150	240	15718m	0.400	ng/ul	-0.01
23) Perylene-d12	23.342	264	17149m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.085	96	16754	2.350	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.894	152	5438	0.176	ng/ul	-0.03
18) Fluoranthene-d10	18.976	212	9669	0.189	ng/ul	-0.02
Target Compounds						
						Qvalue
5) Naphthalene	10.338	128	8393	0.153	ng/ul	98
7) 2-Methylnaphthalene	11.971	142	2696	0.079	ng/ul	98
8) 1-Methylnaphthalene	12.191	142	1883	0.053	ng/ul	99
10) Acenaphthylene	13.892	152	14514	0.291	ng/ul	99
11) Acenaphthene	14.235	153	7926	0.192	ng/ul	99
12) Fluorene	15.229	166	12607	0.267	ng/ul	100
15) Phenanthrene	16.974	178	319516m	5.128	ng/ul	
16) Anthracene	17.067	178	54070m	1.062	ng/ul	
19) Fluoranthene	19.004	202	522541	8.177	ng/ul	99
20) Pyrene	19.371	202	344286	5.205	ng/ul	99
21) Benzo(a)anthracene	21.133	228	202539	4.048	ng/ul	99
22) Chrysene	21.185	228	220741	3.050	ng/ul	98
24) Benzo(b)fluoranthene	22.684	252	293658m	4.853	ng/ul	
25) Benzo(k)fluoranthene	22.722	252	96460m	1.308	ng/ul	
26) Benzo(a)pyrene	23.243	252	109883	2.098	ng/ul#	83
27) Indeno(1,2,3-cd)pyrene	25.539	276	108330	1.528	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.536	278	34945	0.636	ng/ul#	94
29) Benzo(g,h,i)perylene	26.226	276	14536	0.245	ng/ul#	83

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

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