

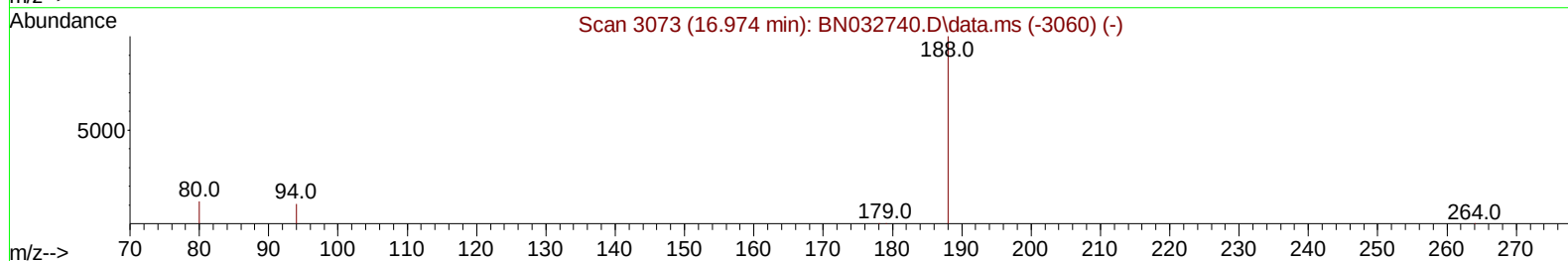
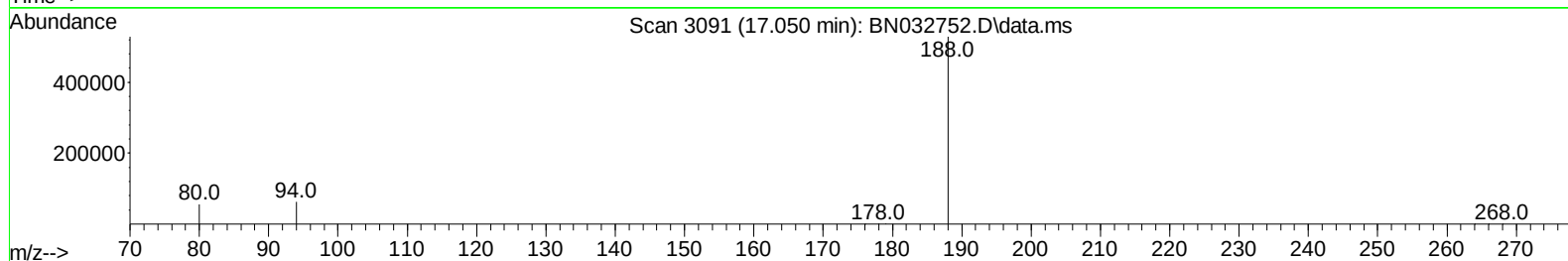
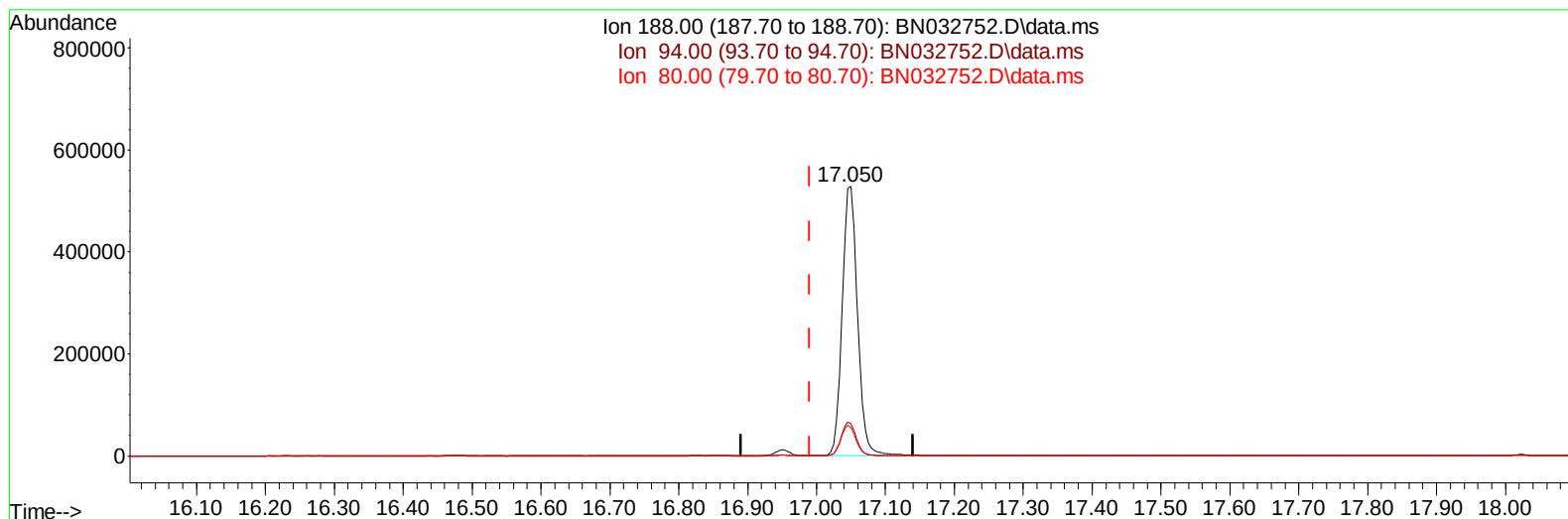
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
Data File : BN032752.D
Acq On : 16 Jul 2024 21:55
Operator : MA/JU
Sample : P3177-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BS7

Manual IntegrationsAPPROVED

Quant Time: Jul 16 23:55:35 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 : Fri Jul 12 01:40:24 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



TIC: BN032752.D\data.ms

(13) Phenanthrene-d10 (I)

17.050min (+ 0.059) 0.40 ng/u1

response 810643

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	11.85
80.00	12.00	10.53
0.00	0.00	0.00

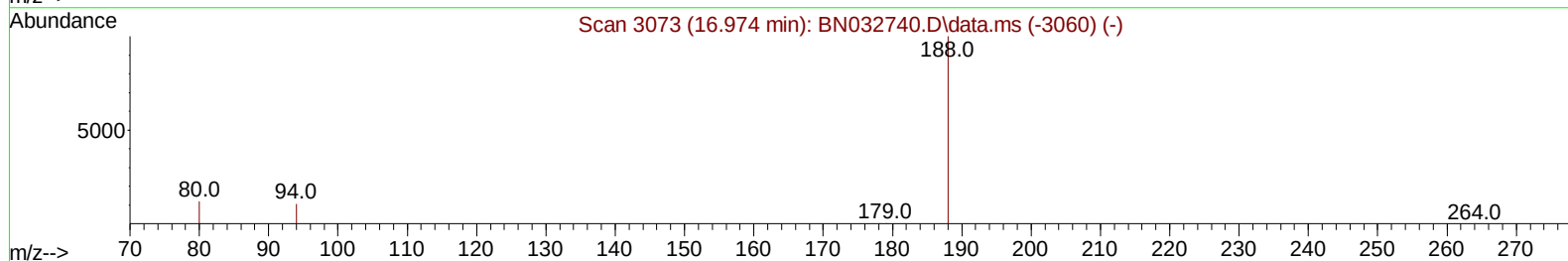
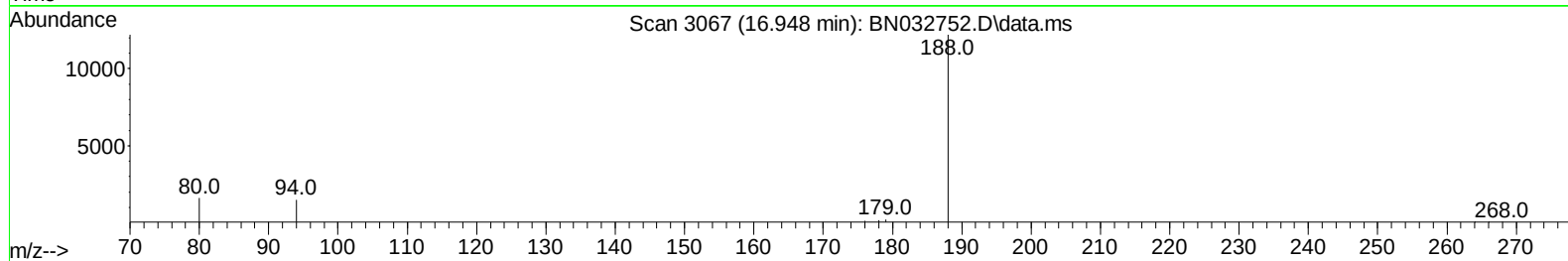
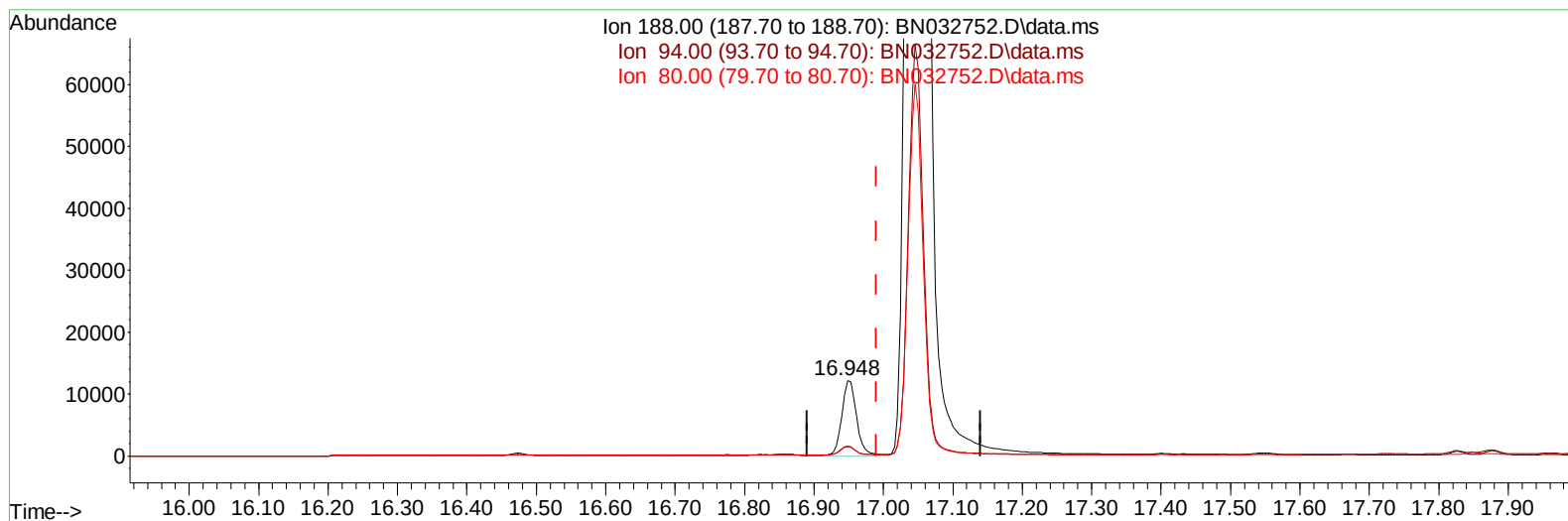
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
Data File : BN032752.D
Acq On : 16 Jul 2024 21:55
Operator : MA/JU
Sample : P3177-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BS7

Manual IntegrationsAPPROVED

Quant Time: Jul 16 23:55:35 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 : Fri Jul 12 01:40:24 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



TIC: BN032752.D\data.ms

(13) Phenanthrene-d10 (I)

16.948min (-0.042) 0.40 ng/ul m

response 17970

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	12.42
80.00	12.00	13.24
0.00	0.00	0.00

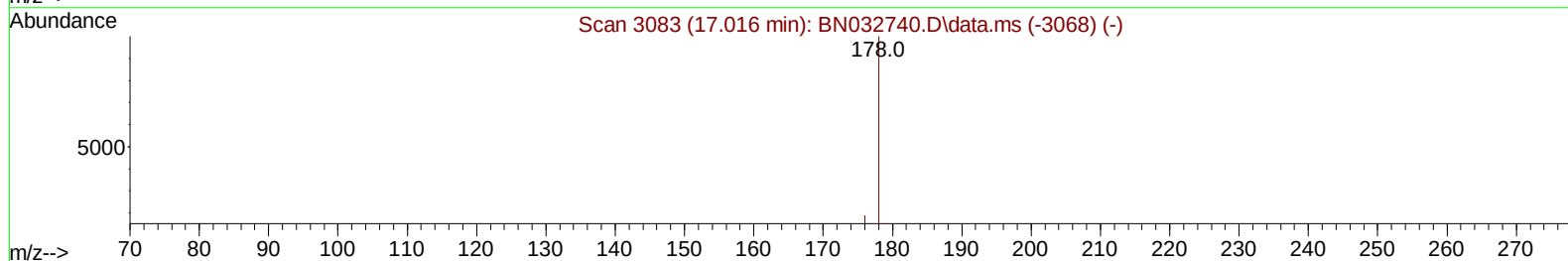
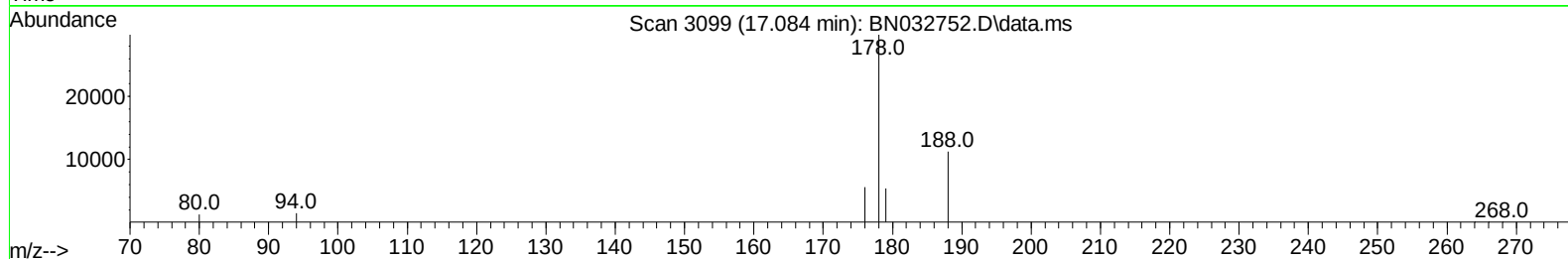
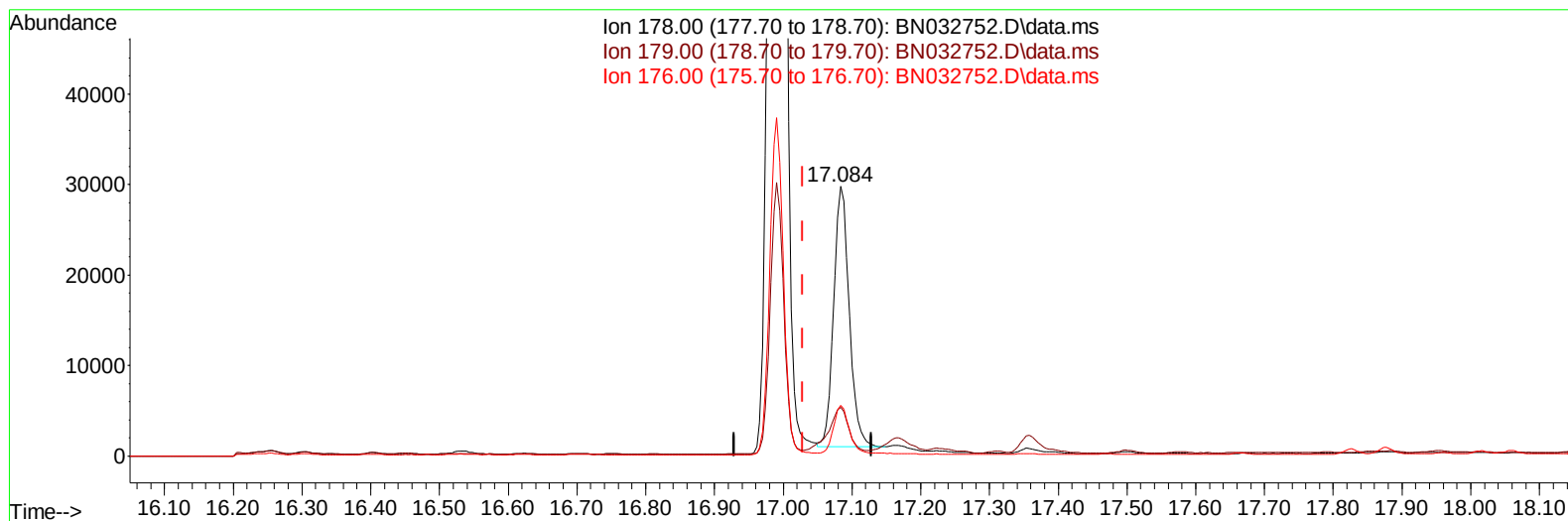
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
Data File : BN032752.D
Acq On : 16 Jul 2024 21:55
Operator : MA/JU
Sample : P3177-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BS7

Manual IntegrationsAPPROVED

Quant Time: Jul 16 23:55:35 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 : Fri Jul 12 01:40:24 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



TIC: BN032752.D\data.ms

(15) Phenanthrene

17.084min (+ 0.055) 0.92 ng/u1

response 44907

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	18.03
176.00	19.50	18.84
0.00	0.00	0.00

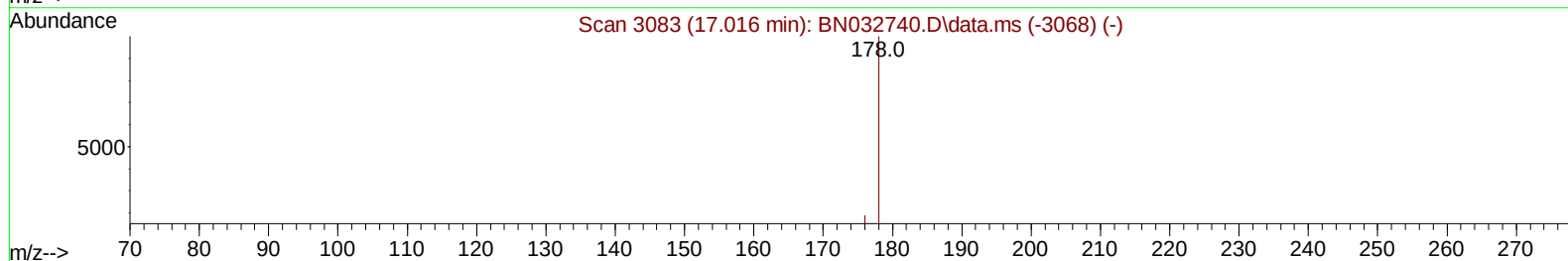
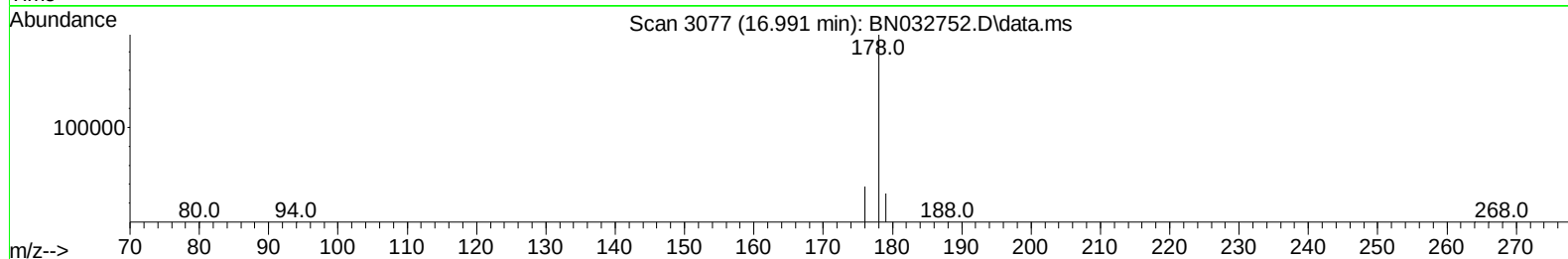
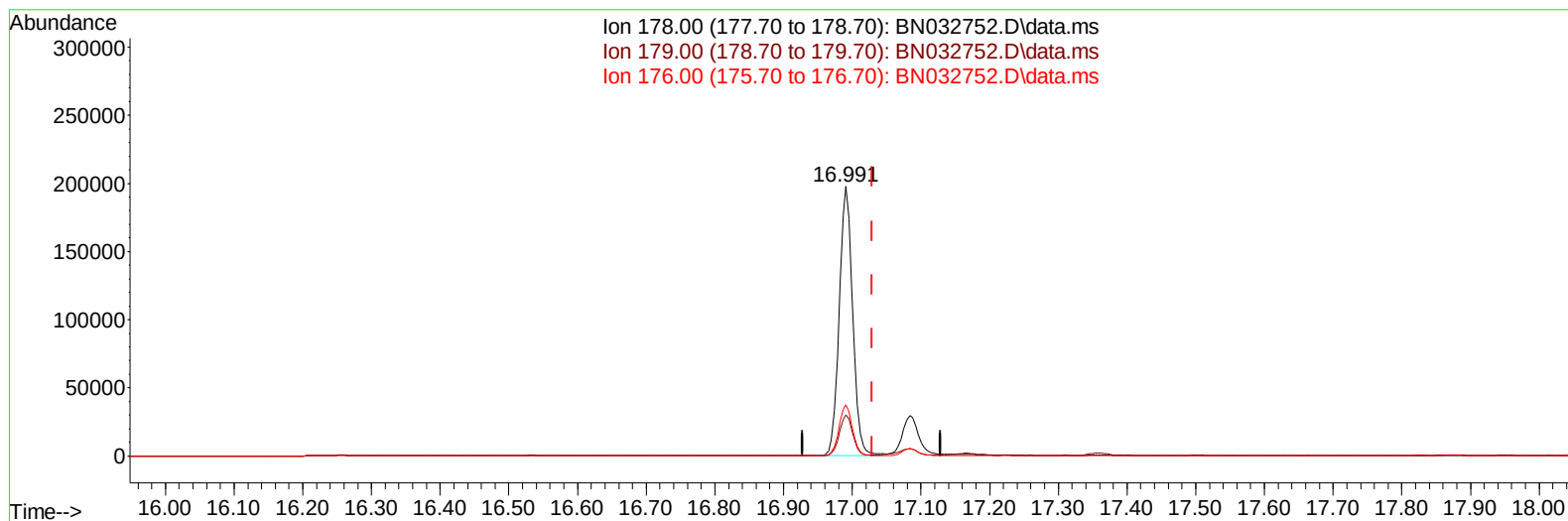
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
Data File : BN032752.D
Acq On : 16 Jul 2024 21:55
Operator : MA/JU
Sample : P3177-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BS7

Manual IntegrationsAPPROVED

Quant Time: Jul 16 23:55:35 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 : Fri Jul 12 01:40:24 2024
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Reviewed By :Yogesh Patel 07/18/2024
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TIC: BN032752.D\data.ms

(15) Phenanthrene

16.991min (-0.038) 5.54 ng/ul m

response 271175

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	15.27
176.00	19.50	18.92
0.00	0.00	0.00

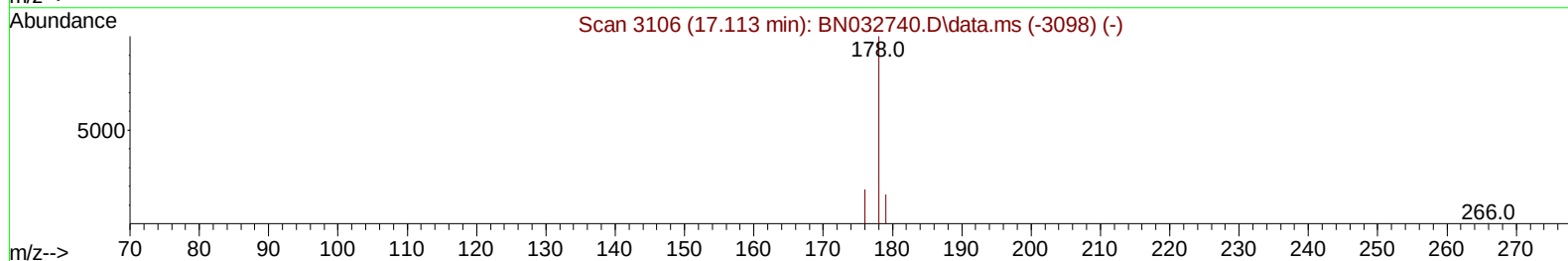
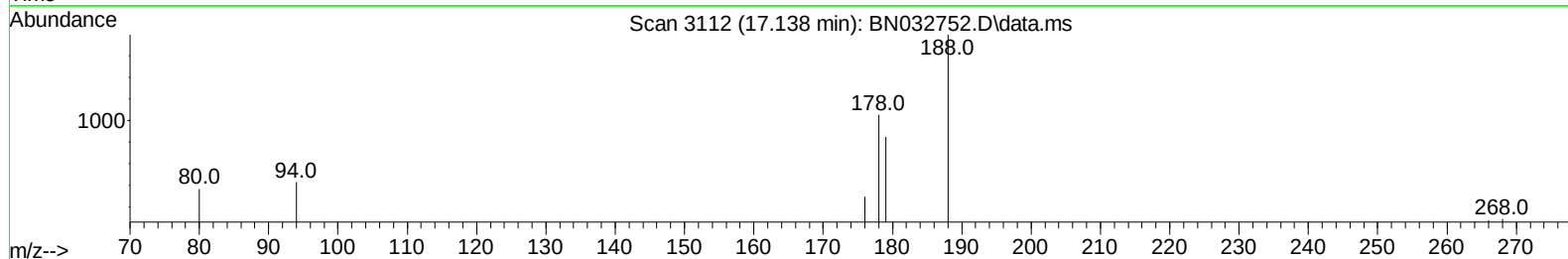
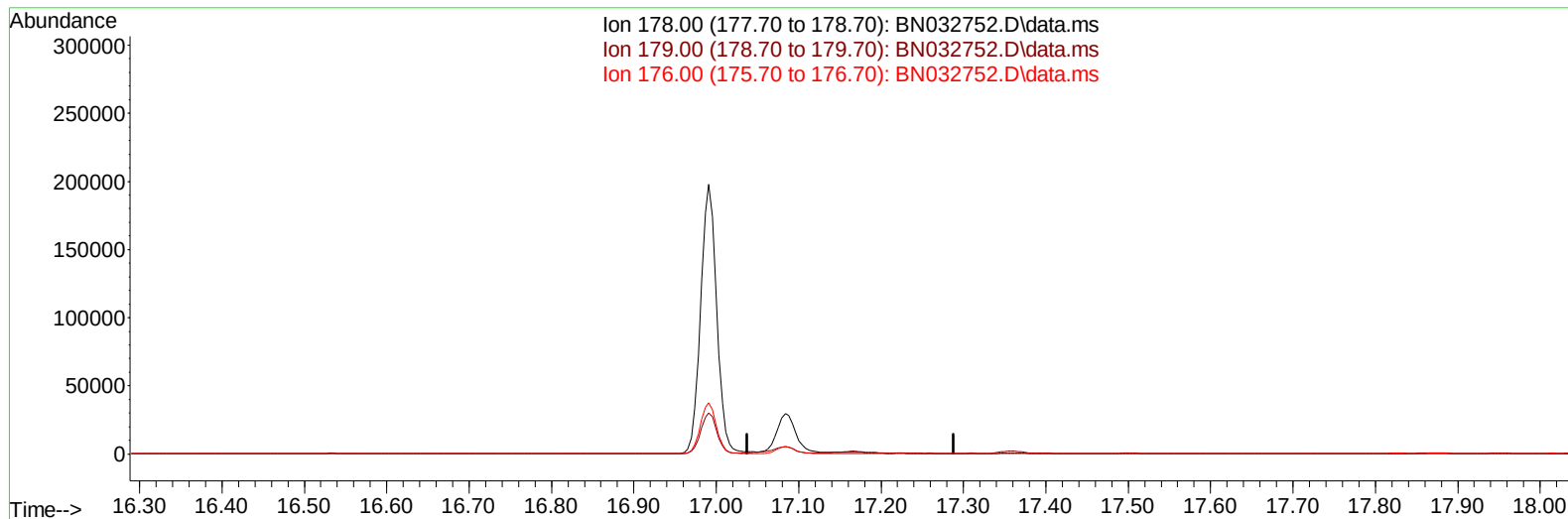
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
Data File : BN032752.D
Acq On : 16 Jul 2024 21:55
Operator : MA/JU
Sample : P3177-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BS7

Manual IntegrationsAPPROVED

Quant Time: Jul 16 23:55:35 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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Supervised By :mohammad ahmed 07/19/2024



TIC: BN032752.D\data.ms

(16) Anthracene

17.138min (-17.138) 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

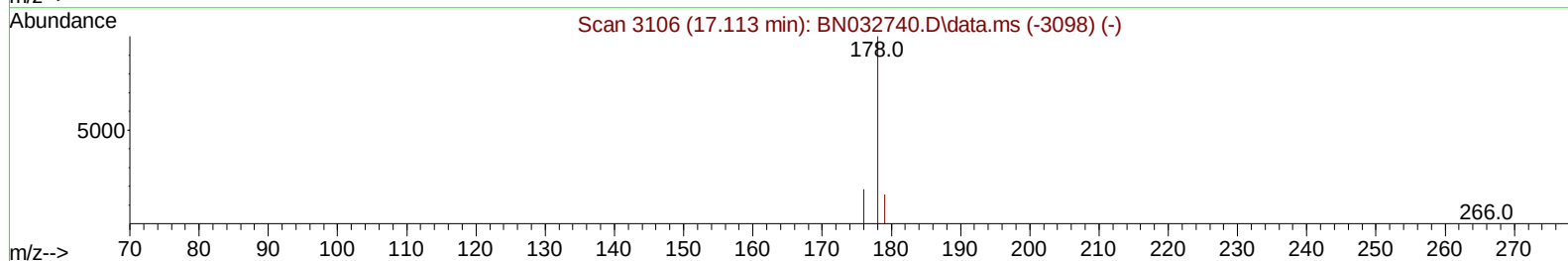
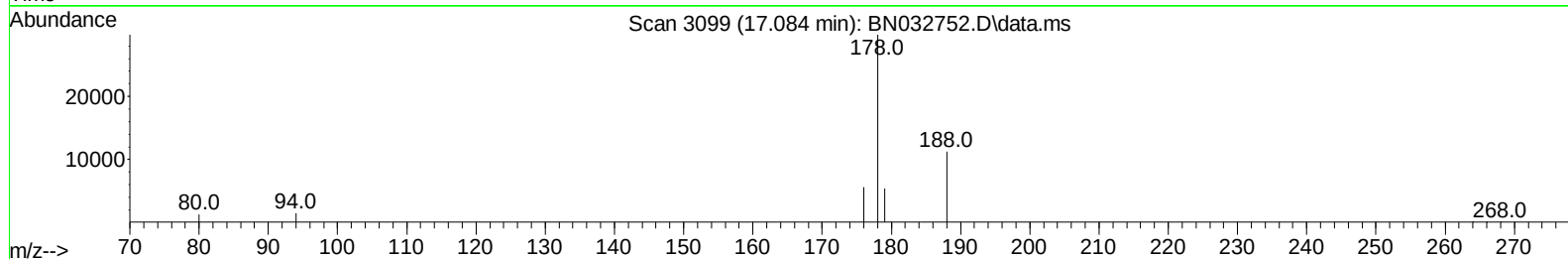
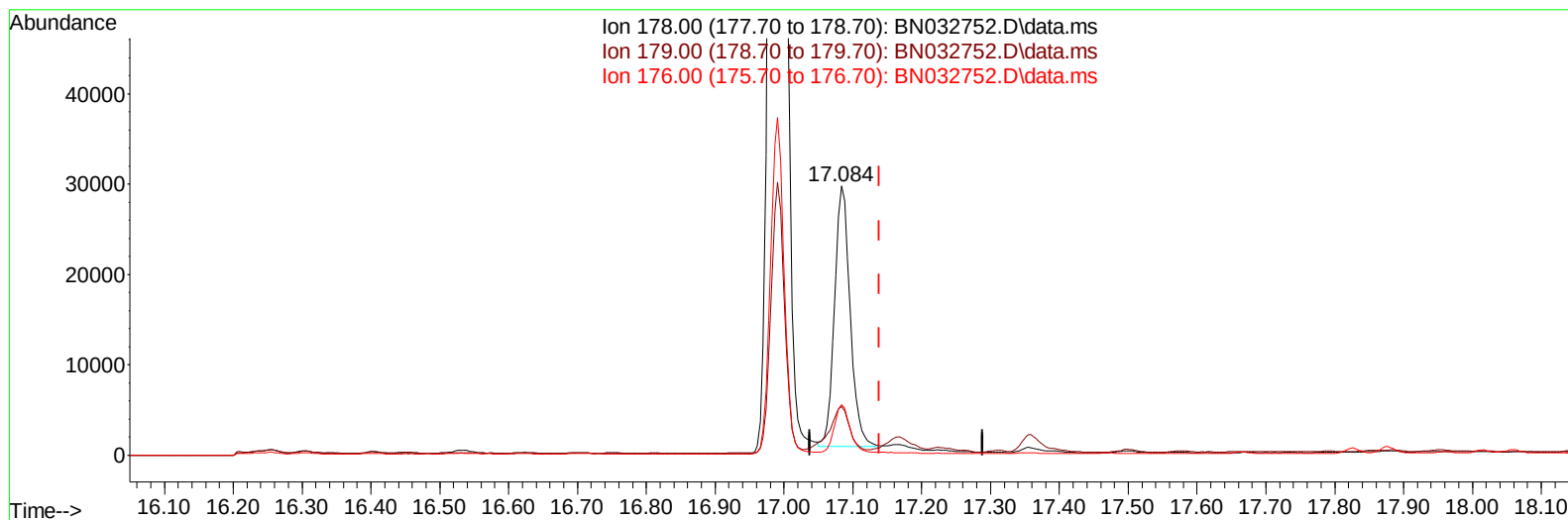
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
Data File : BN032752.D
Acq On : 16 Jul 2024 21:55
Operator : MA/JU
Sample : P3177-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BS7

Manual IntegrationsAPPROVED

Quant Time: Jul 16 23:55:35 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 : Fri Jul 12 01:40:24 2024
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Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



TIC: BN032752.D\data.ms

(16) Anthracene

17.084min (-0.055) 1.14 ng/ul m

response 45516

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	18.03
176.00	19.20	18.84
0.00	0.00	0.00

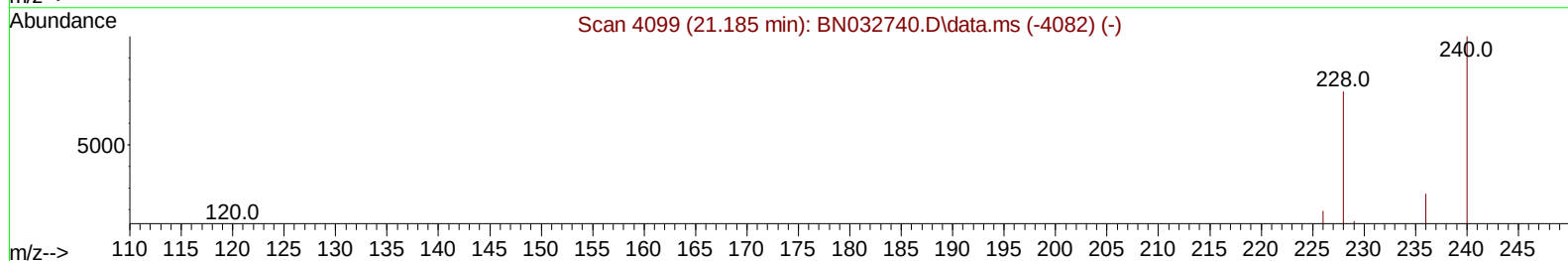
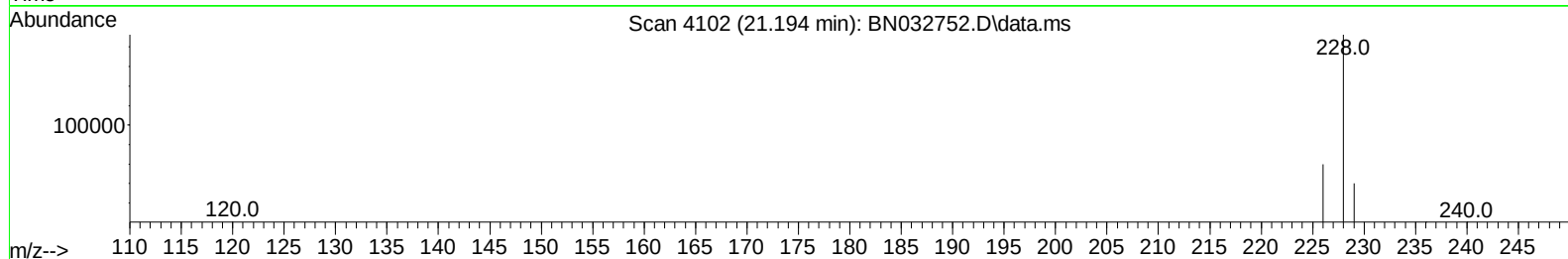
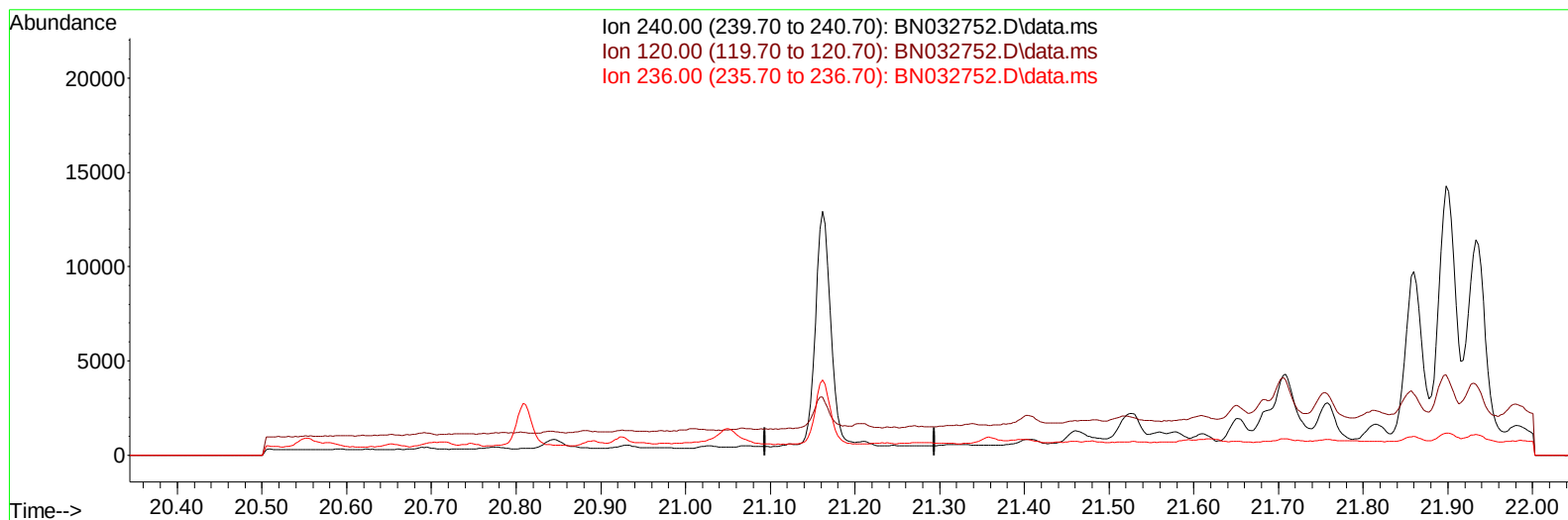
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
Data File : BN032752.D
Acq On : 16 Jul 2024 21:55
Operator : MA/JU
Sample : P3177-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BS7

Manual IntegrationsAPPROVED

Quant Time: Jul 16 23:55:35 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 : Fri Jul 12 01:40:24 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/18/2024
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TIC: BN032752.D\data.ms

(17) Chrysene-d12

21.194min (-21.194) 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

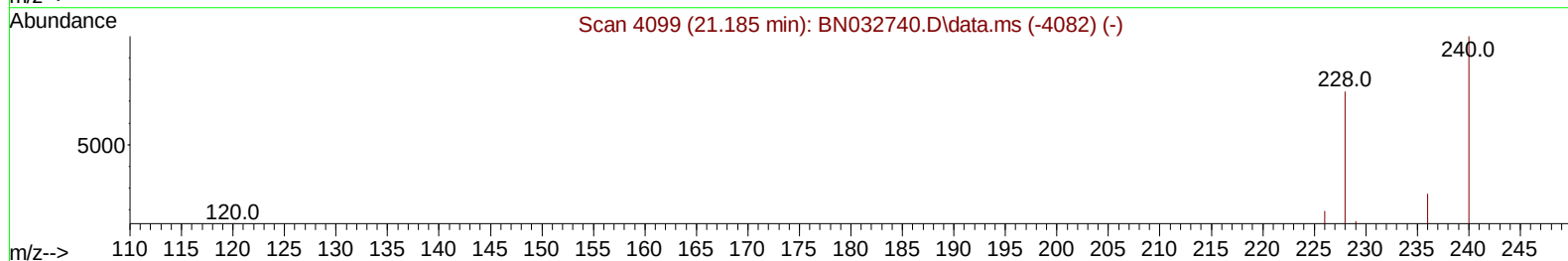
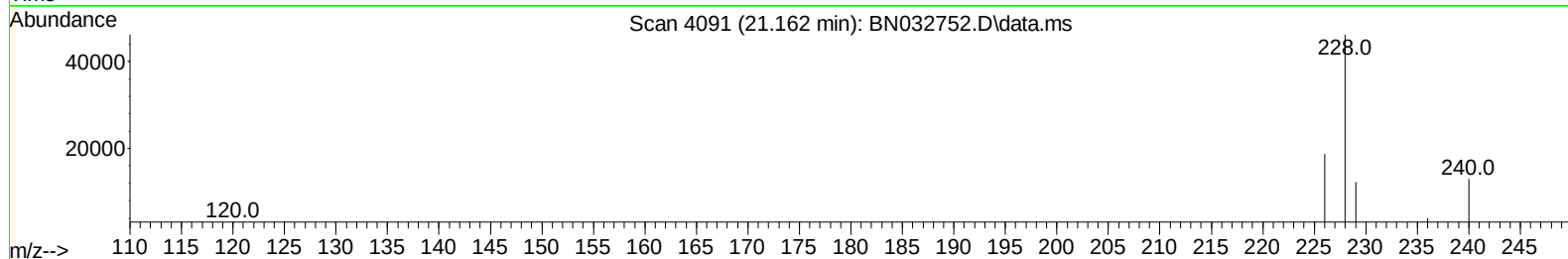
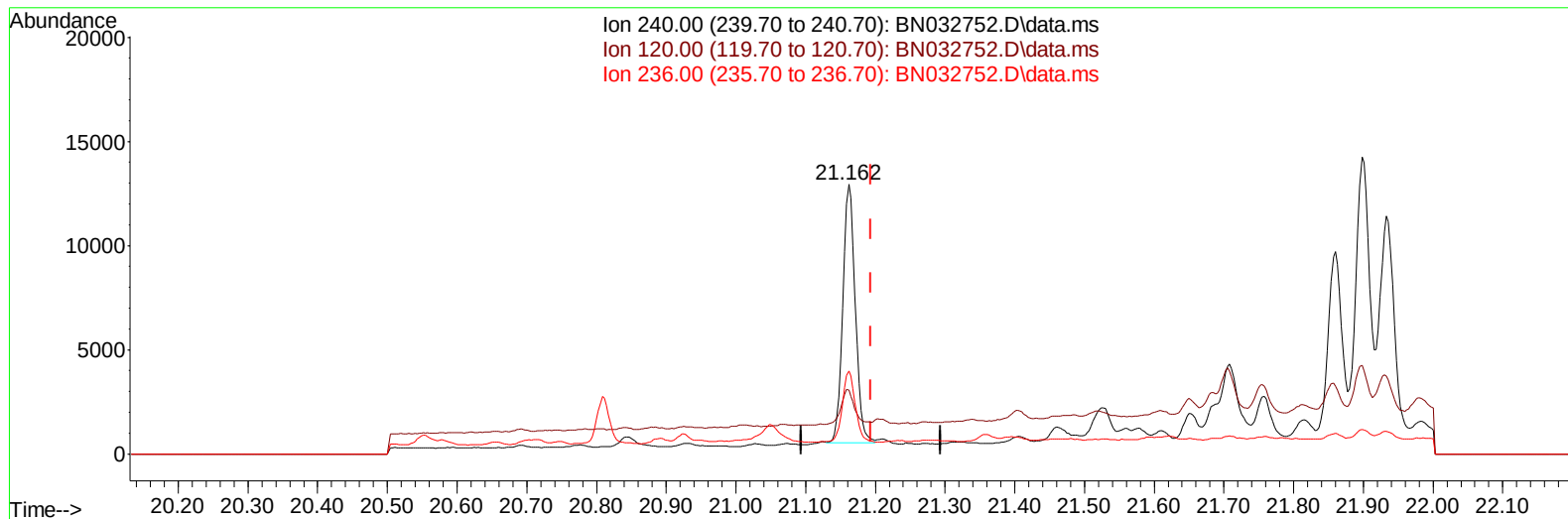
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
Data File : BN032752.D
Acq On : 16 Jul 2024 21:55
Operator : MA/JU
Sample : P3177-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BS7

Manual IntegrationsAPPROVED

Quant Time: Jul 16 23:55:35 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 : Fri Jul 12 01:40:24 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



TIC: BN032752.D\data.ms

(17) Chrysene-d12

21.162min (-0.032) 0.40 ng/ul m

response 15273

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.00	23.69#
236.00	28.40	30.78
0.00	0.00	0.00

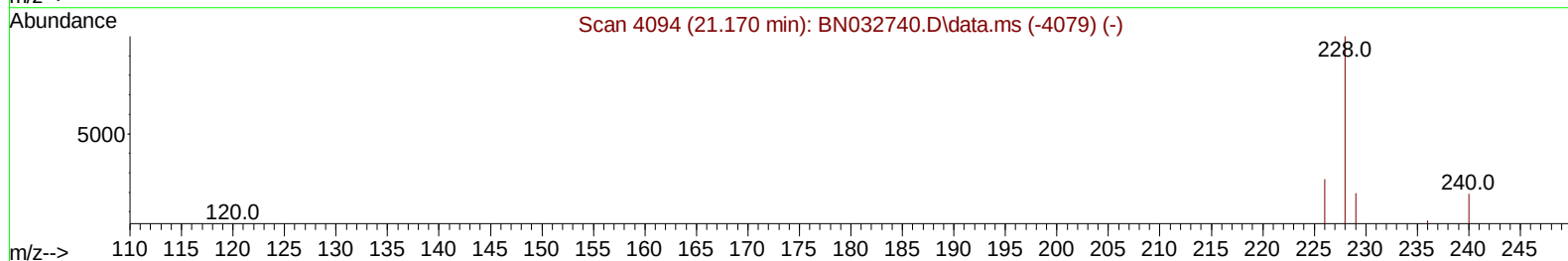
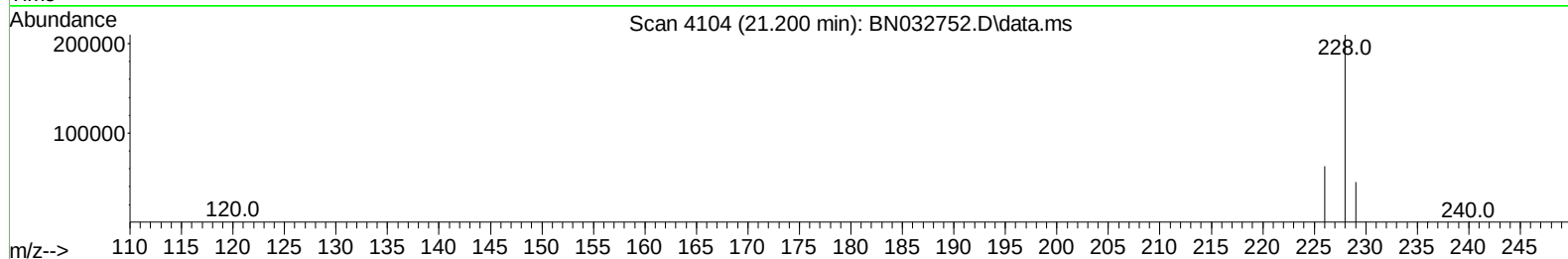
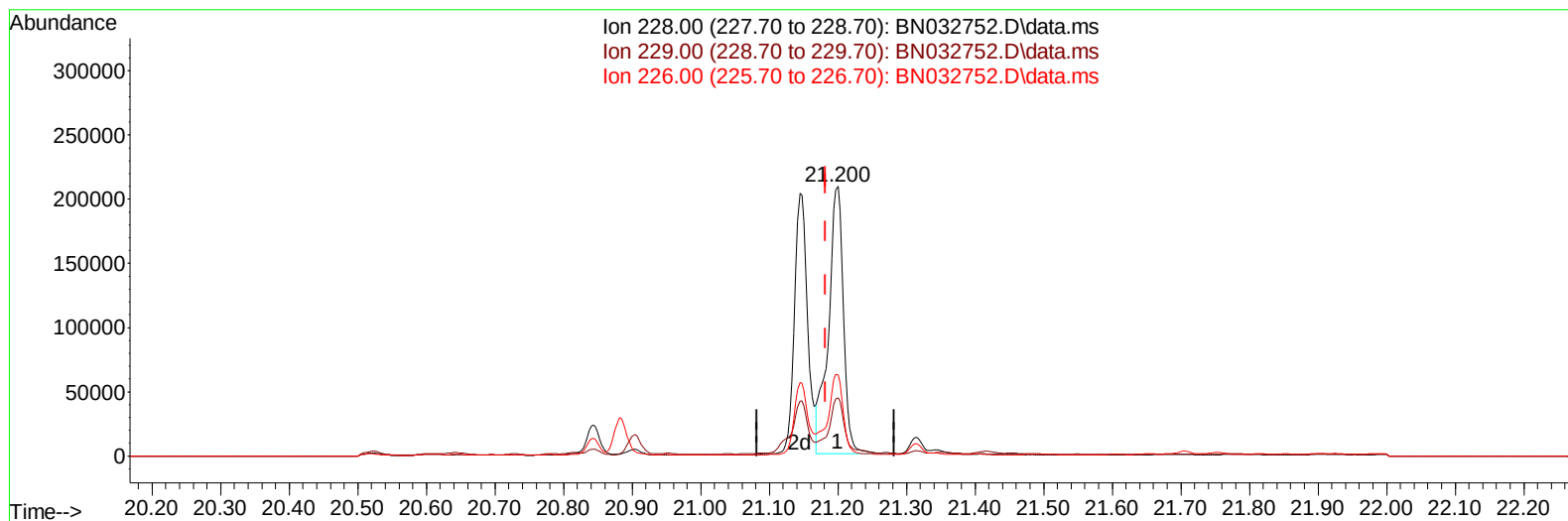
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
Data File : BN032752.D
Acq On : 16 Jul 2024 21:55
Operator : MA/JU
Sample : P3177-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BS7

Manual IntegrationsAPPROVED

Quant Time: Jul 16 23:55:35 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: BN032752.D\data.ms

(21) Benzo(a)anthracene

21.200min (+ 0.018) 6.54 ng/u1

response 317977

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.10	21.49
226.00	27.40	30.15
0.00	0.00	0.00

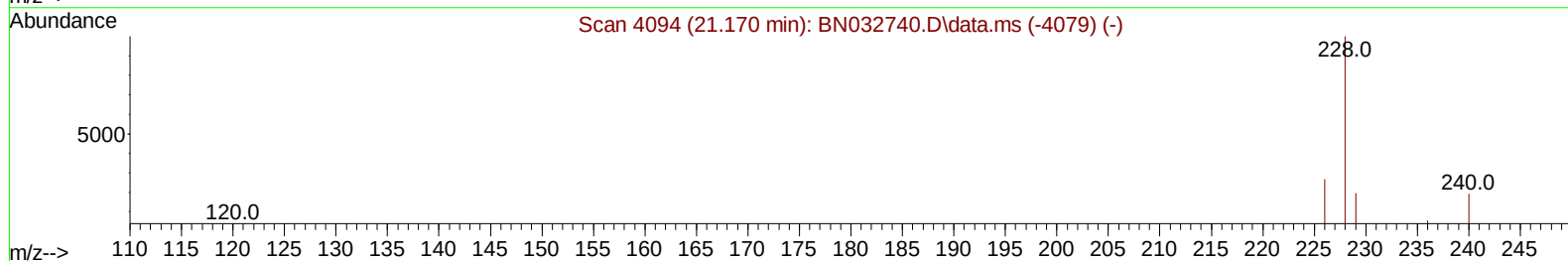
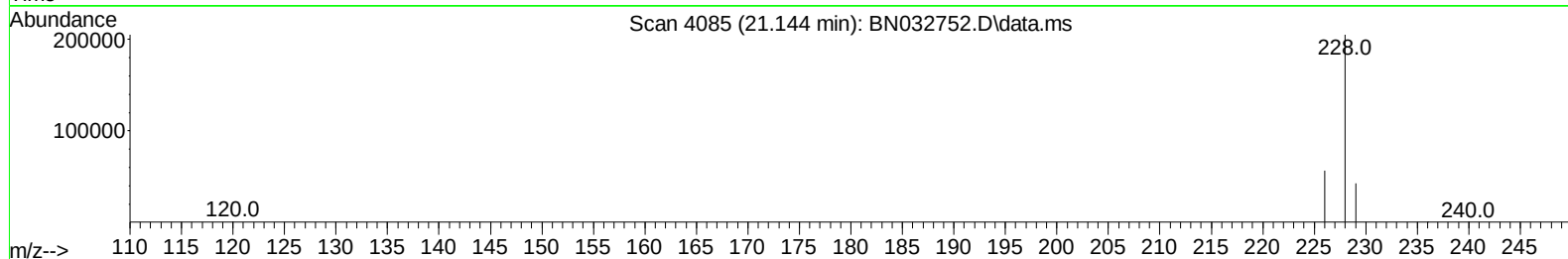
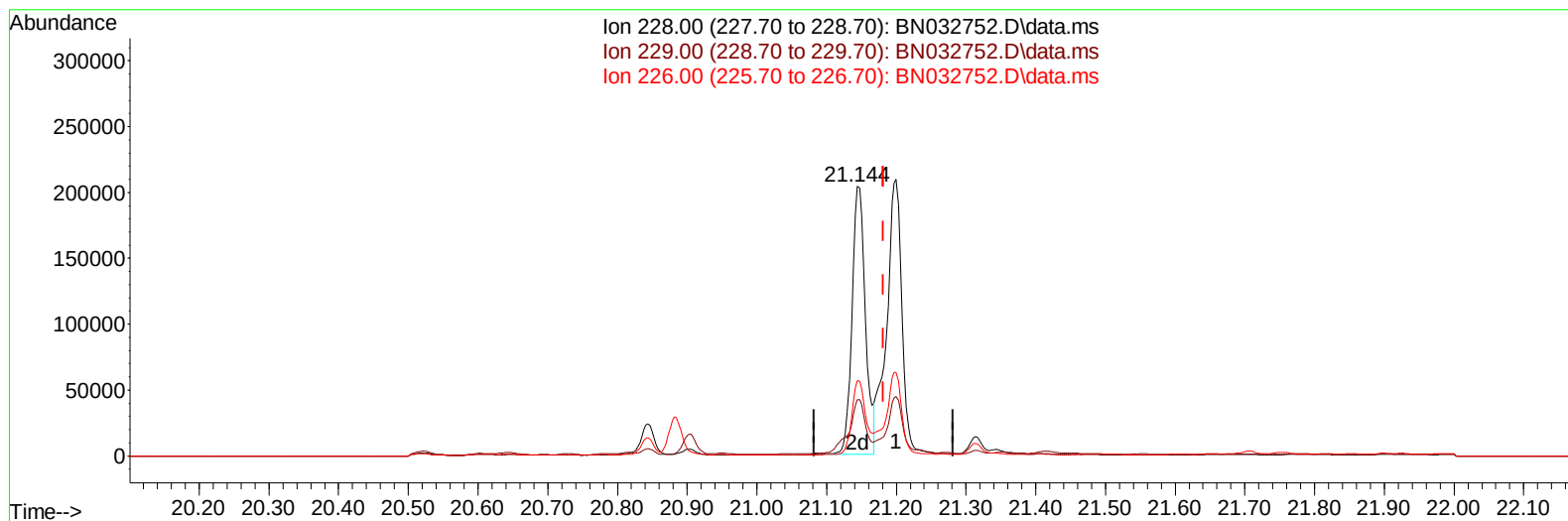
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
Data File : BN032752.D
Acq On : 16 Jul 2024 21:55
Operator : MA/JU
Sample : P3177-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BS7

Manual IntegrationsAPPROVED

Quant Time: Jul 16 23:55:35 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 : Fri Jul 12 01:40:24 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



TIC: BN032752.D\data.ms

(21) Benzo(a)anthracene

21.144min (-0.038) 5.61 ng/ul m

response 272634

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.10	20.95
226.00	27.40	27.89
0.00	0.00	0.00

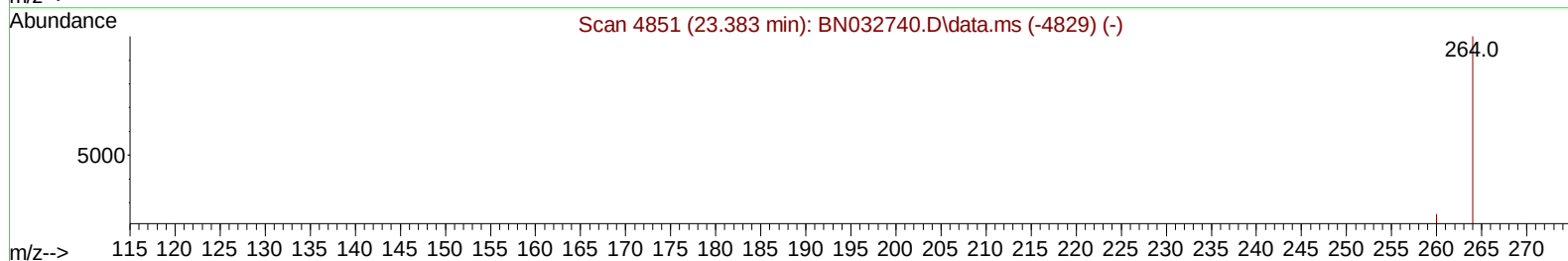
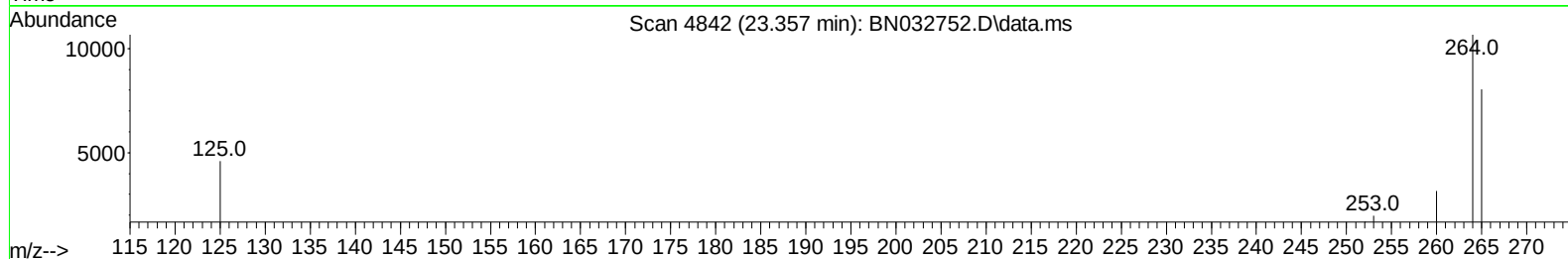
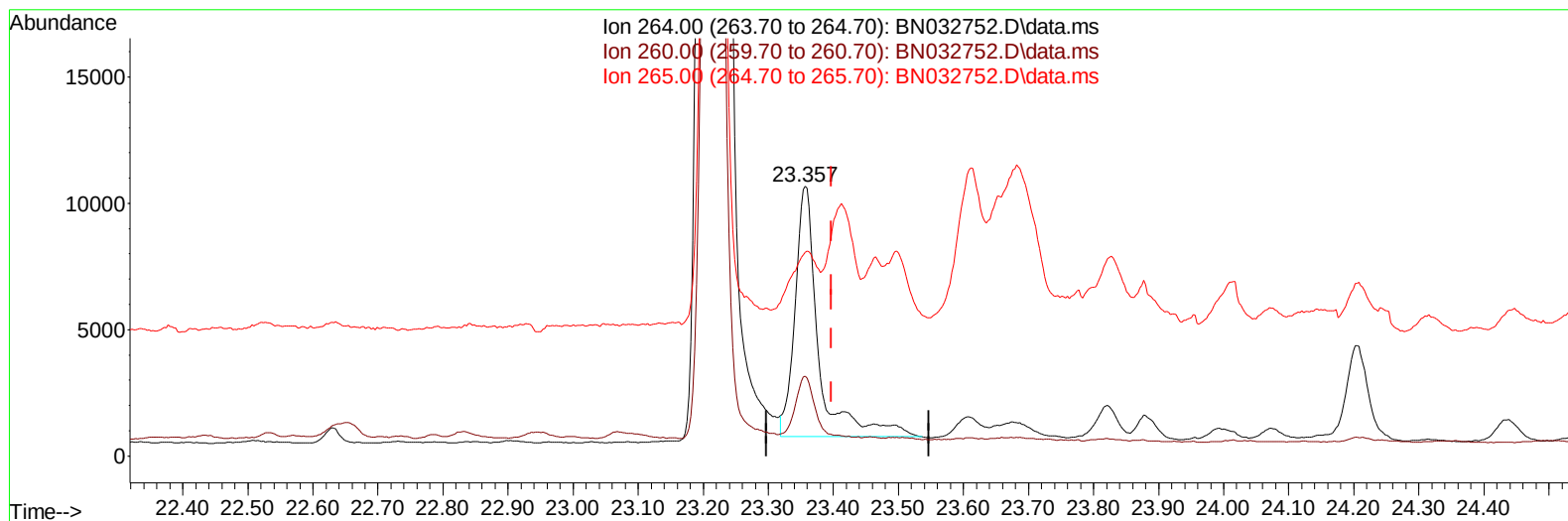
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
Data File : BN032752.D
Acq On : 16 Jul 2024 21:55
Operator : MA/JU
Sample : P3177-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BS7

Manual IntegrationsAPPROVED

Quant Time: Jul 16 23:55:35 2024
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TIC: BN032752.D\data.ms

(23) Perylene-d12 (I)

23.357min (-0.041) 0.40 ng/u1

response 24925

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	29.62
265.00	95.50	75.50#
0.00	0.00	0.00

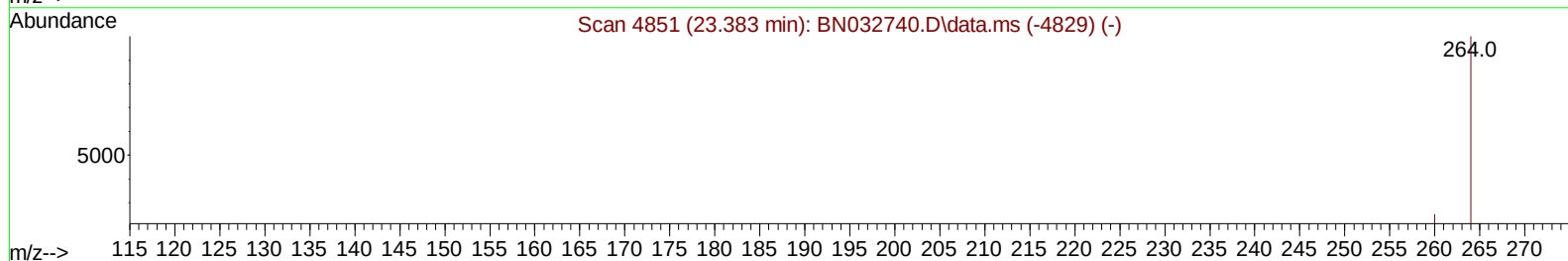
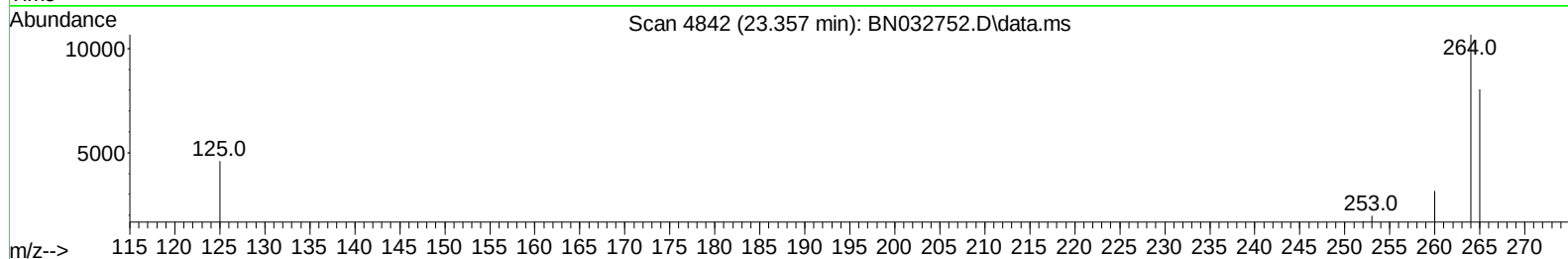
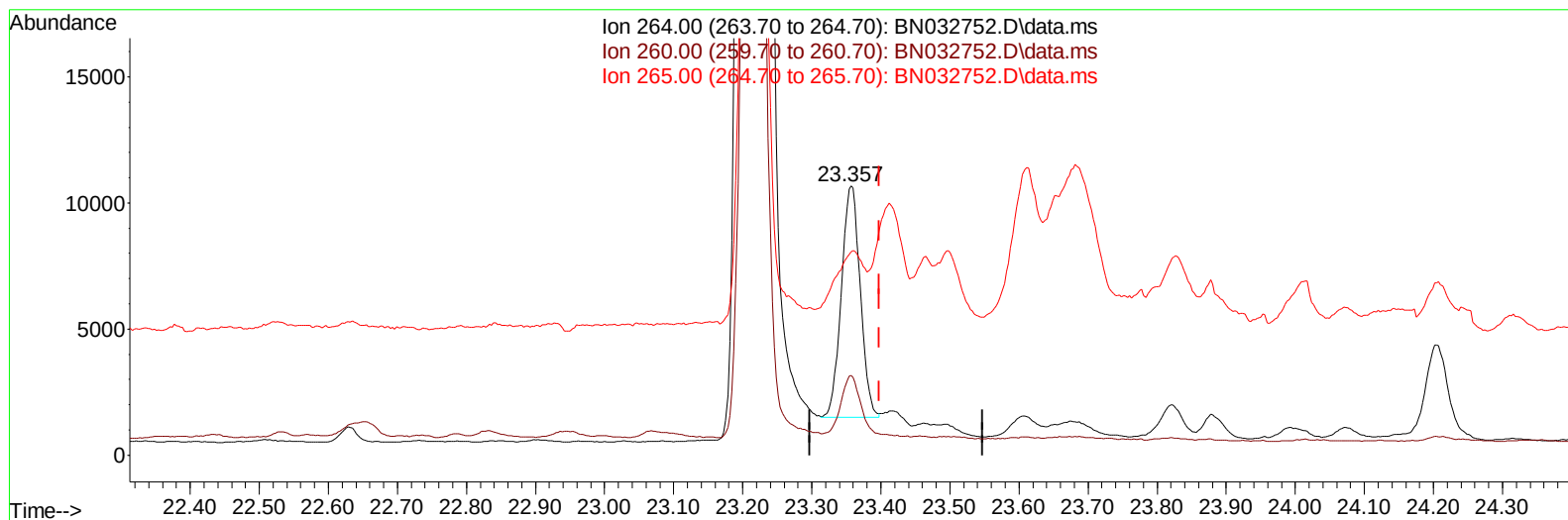
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
Data File : BN032752.D
Acq On : 16 Jul 2024 21:55
Operator : MA/JU
Sample : P3177-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BS7

Manual IntegrationsAPPROVED

Quant Time: Jul 16 23:55:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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Supervised By :mohammad ahmed 07/19/2024



TIC: BN032752.D\data.ms

(23) Perylene-d12 (I)

23.357min (-0.041) 0.40 ng/ul m

response 17438

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	29.62
265.00	95.50	75.50#
0.00	0.00	0.00

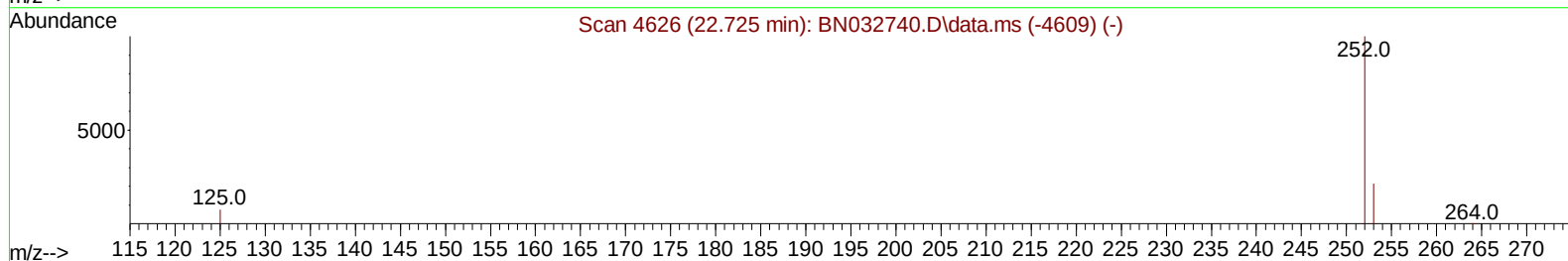
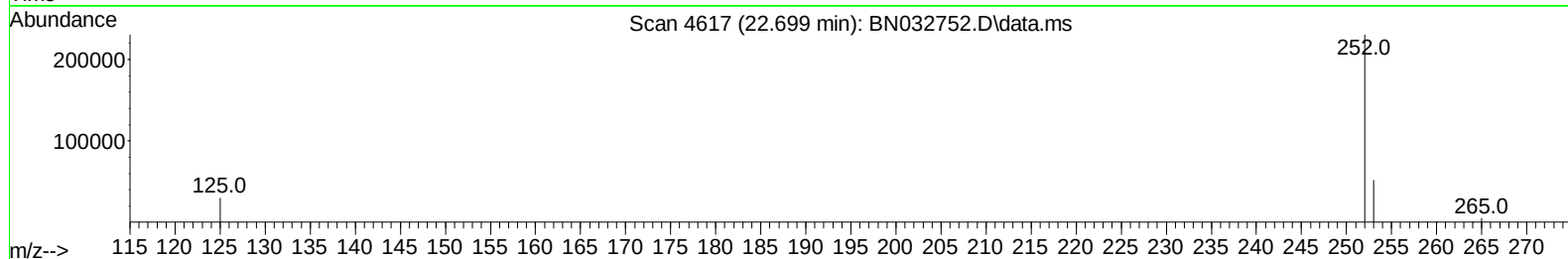
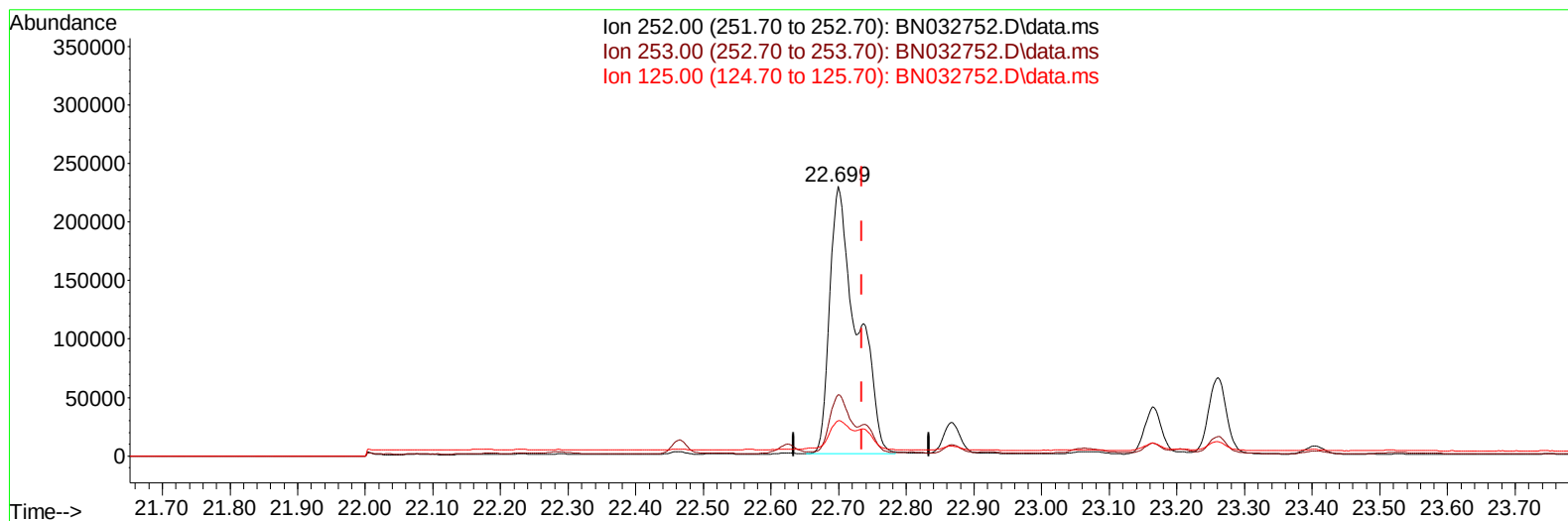
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
Data File : BN032752.D
Acq On : 16 Jul 2024 21:55
Operator : MA/JU
Sample : P3177-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BS7

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024

Quant Time: Jul 16 23:55:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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Response via : Initial Calibration



TIC: BN032752.D\data.ms

(24) Benzo(b)fluoranthene

22.699min (-0.035) 10.37 ng/u1

response 637745

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	22.69
125.00	18.00	13.22
0.00	0.00	0.00

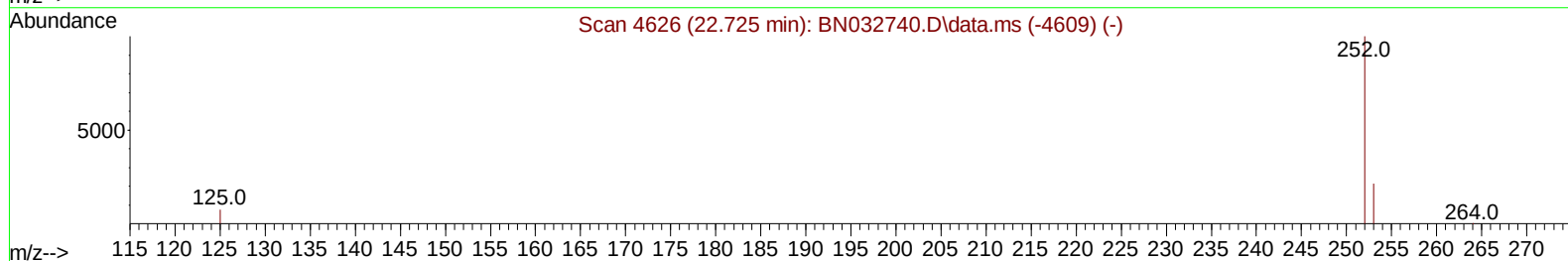
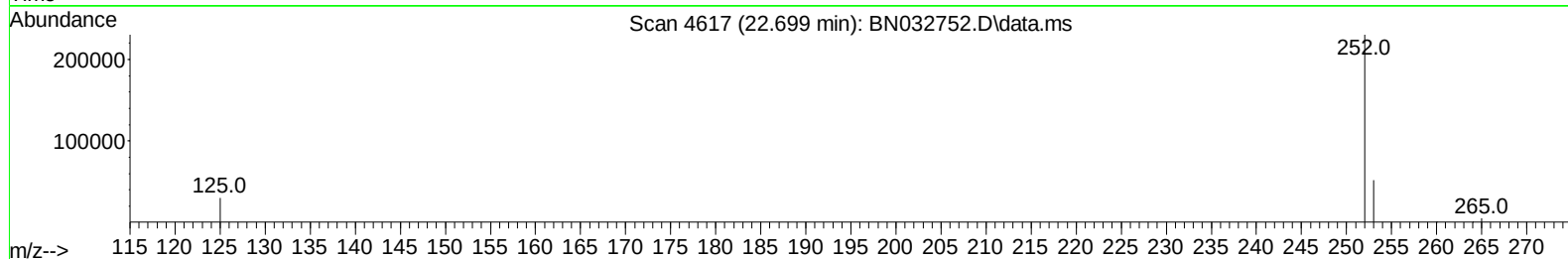
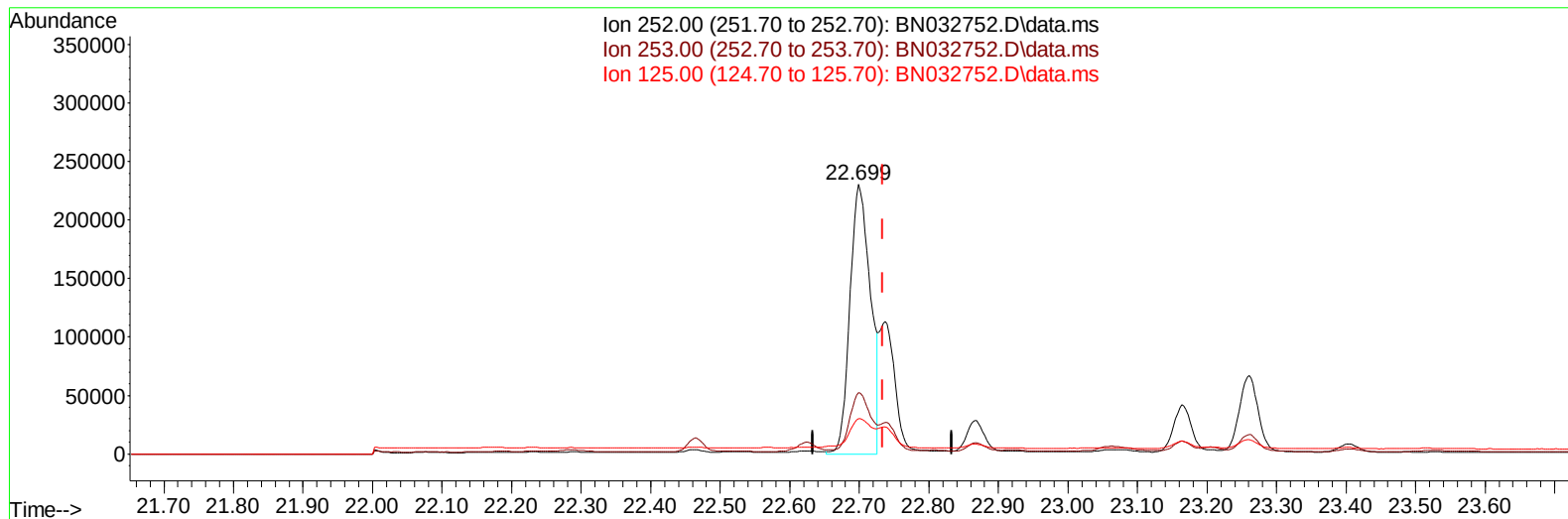
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
Data File : BN032752.D
Acq On : 16 Jul 2024 21:55
Operator : MA/JU
Sample : P3177-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BS7

Manual IntegrationsAPPROVED

Quant Time: Jul 16 23:55:35 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 : Fri Jul 12 01:40:24 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



TIC: BN032752.D\data.ms

(24) Benzo(b)fluoranthene

22.699min (-0.035) 7.65 ng/ul m

response 470401

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	22.69
125.00	18.00	13.22
0.00	0.00	0.00

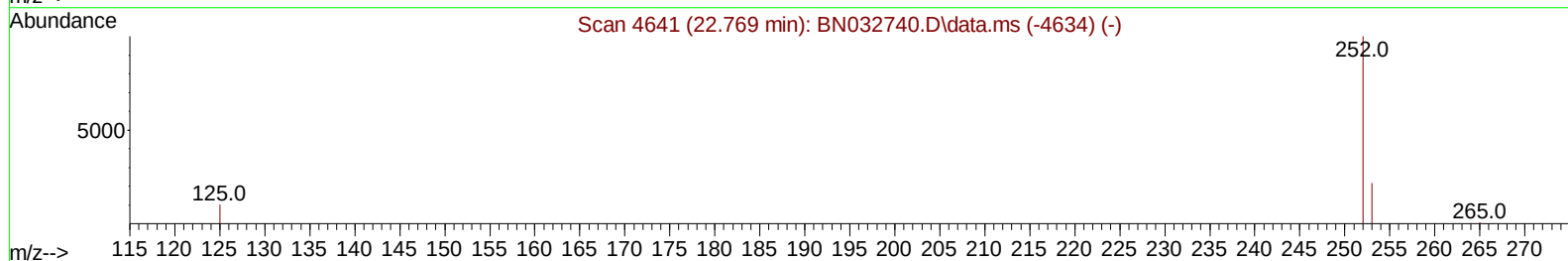
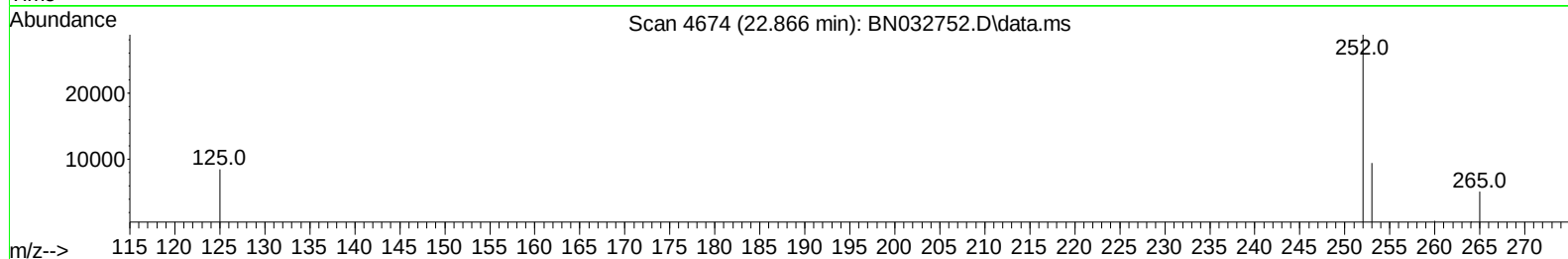
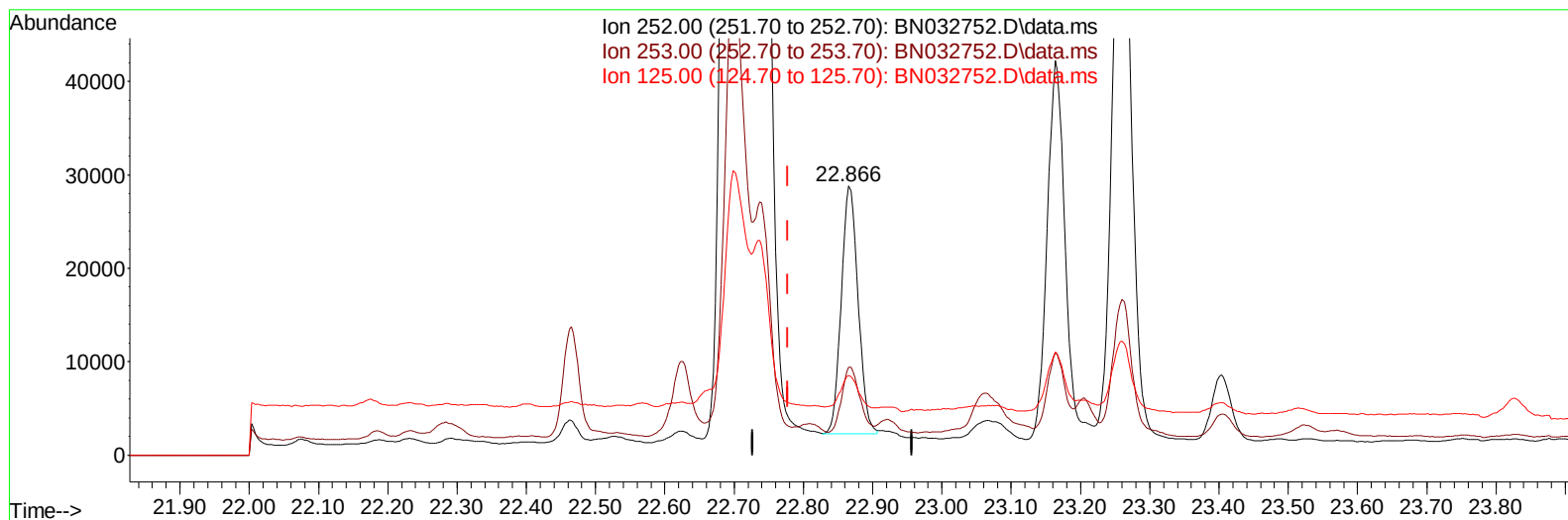
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
Data File : BN032752.D
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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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TIC: BN032752.D\data.ms

(25) Benzo(k)fluoranthene

22.866min (+ 0.088) 0.60 ng/u1

response 44655

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	32.78#
125.00	18.50	29.51#
0.00	0.00	0.00

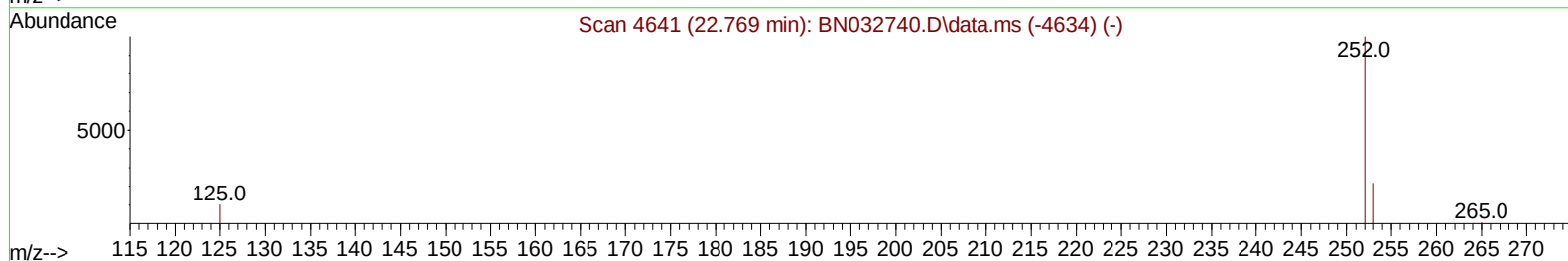
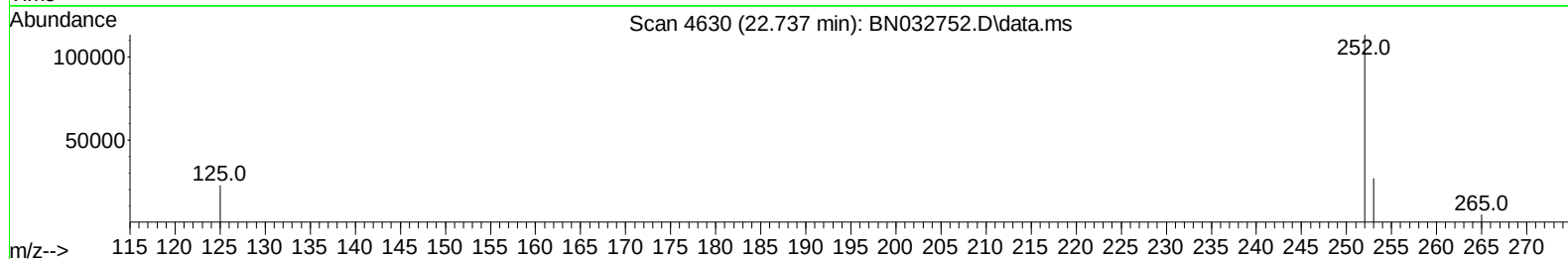
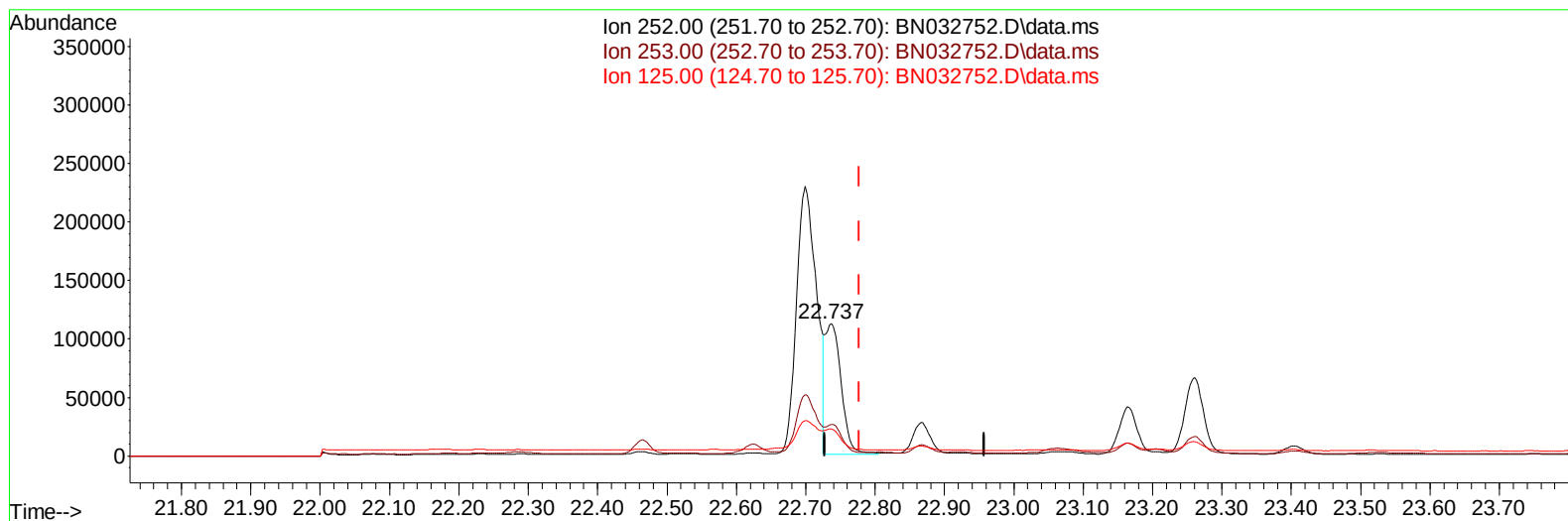
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
Data File : BN032752.D
Acq On : 16 Jul 2024 21:55
Operator : MA/JU
Sample : P3177-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BS7

Manual IntegrationsAPPROVED

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TIC: BN032752.D\data.ms

(25) Benzo(k)fluoranthene

22.737min (-0.041) 2.37 ng/ul m

response 177774

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	23.92
125.00	18.50	20.24
0.00	0.00	0.00

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 Operator : MA/JU
 Sample : P3177-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4BS7

Manual IntegrationsAPPROVED

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.544	152	5007	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.310	136	14685	0.400	ng/ul	-0.05
9) Acenaphthene-d10	14.193	164	8407	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.948	188	17970m	0.400	ng/ul	-0.04
17) Chrysene-d12	21.162	240	15273m	0.400	ng/ul	-0.03
23) Perylene-d12	23.357	264	17438m	0.400	ng/ul	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.097	96	17242	2.868	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.916	152	4356	0.196	ng/ul	-0.05
18) Fluoranthene-d10	18.990	212	10624	0.213	ng/ul	-0.04
Target Compounds						
						Qvalue
5) Naphthalene	10.360	128	9193	0.233	ng/ul	99
7) 2-Methylnaphthalene	11.993	142	2970	0.121	ng/ul	98
8) 1-Methylnaphthalene	12.213	142	2379	0.093	ng/ul	100
10) Acenaphthylene	13.911	152	14972	0.441	ng/ul	99
11) Acenaphthene	14.253	153	10822	0.385	ng/ul	99
12) Fluorene	15.252	166	12121	0.378	ng/ul	98
15) Phenanthrene	16.991	178	271175m	5.541	ng/ul	
16) Anthracene	17.084	178	45516m	1.138	ng/ul	
19) Fluoranthene	19.022	202	621699	10.012	ng/ul	97
20) Pyrene	19.385	202	360471	5.608	ng/ul	99
21) Benzo(a)anthracene	21.144	228	272634m	5.608	ng/ul	
22) Chrysene	21.200	228	320001	4.550	ng/ul	98
24) Benzo(b)fluoranthene	22.699	252	470401m	7.645	ng/ul	
25) Benzo(k)fluoranthene	22.737	252	177774m	2.371	ng/ul	
26) Benzo(a)pyrene	23.260	252	123891	2.327	ng/ul#	87
27) Indeno(1,2,3-cd)pyrene	25.559	276	144997	2.011	ng/ul#	93
28) Dibenzo(a,h)anthracene	25.559	278	57791	1.034	ng/ul#	94
29) Benzo(g,h,i)perylene	26.243	276	20048	0.333	ng/ul#	80

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

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