

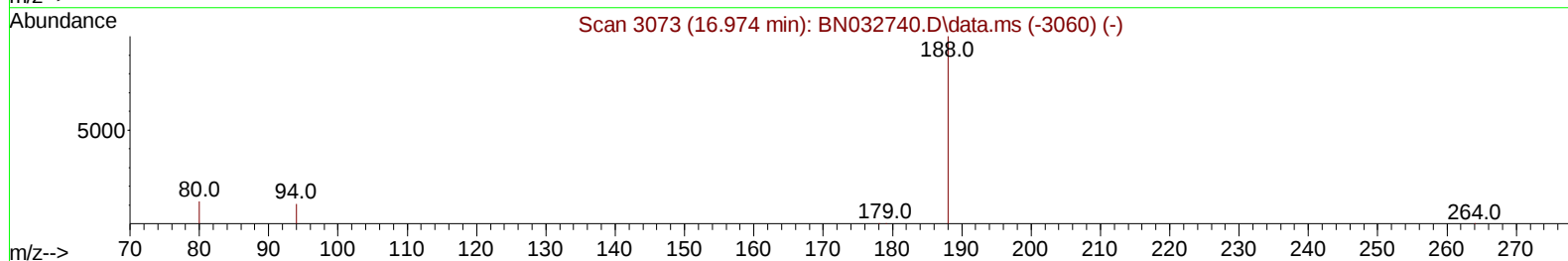
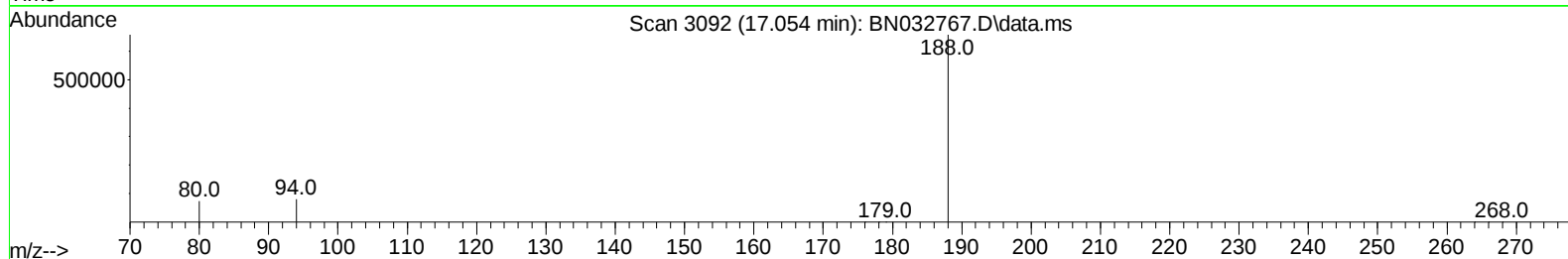
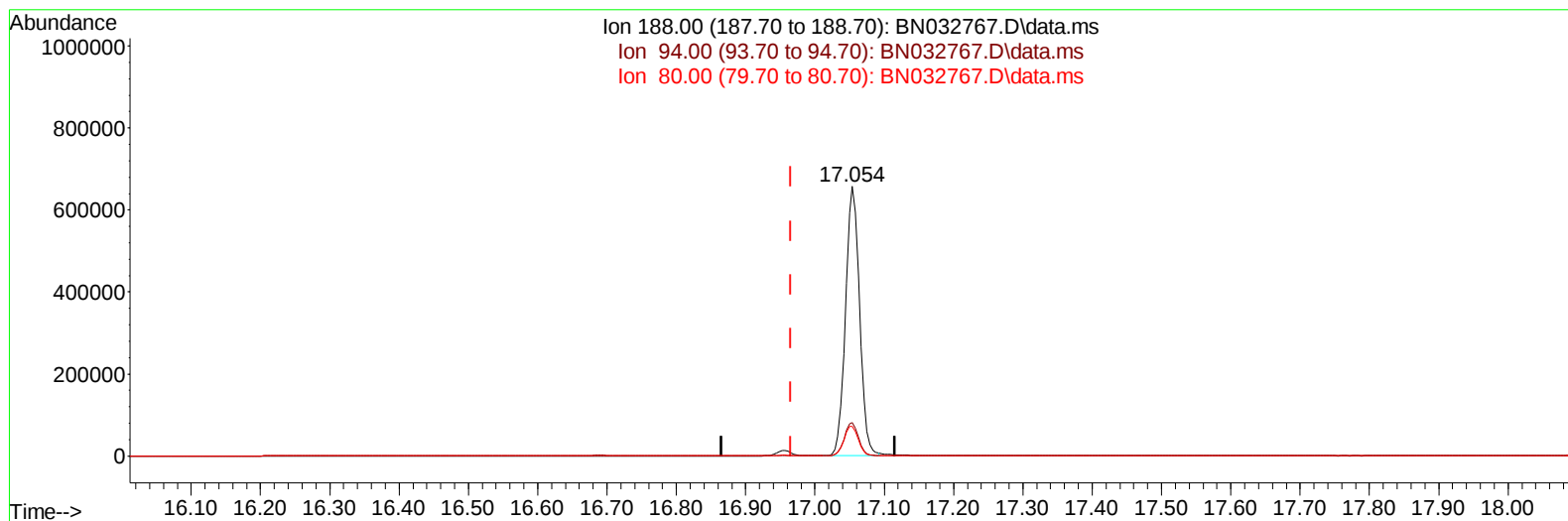
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
Data File : BN032767.D
Acq On : 17 Jul 2024 07:34
Operator : MA/JU
Sample : P3100-21
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D38

Manual IntegrationsAPPROVED

Quant Time: Jul 17 07:59:15 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 : Wed Jul 17 02:35:25 2024
Response via : Initial Calibration

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



TIC: BN032767.D\data.ms

(13) Phenanthrene-d10 (I)

17.054min (+ 0.088) 0.40 ng/u1

response 926619

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	12.35
80.00	12.00	11.09
0.00	0.00	0.00

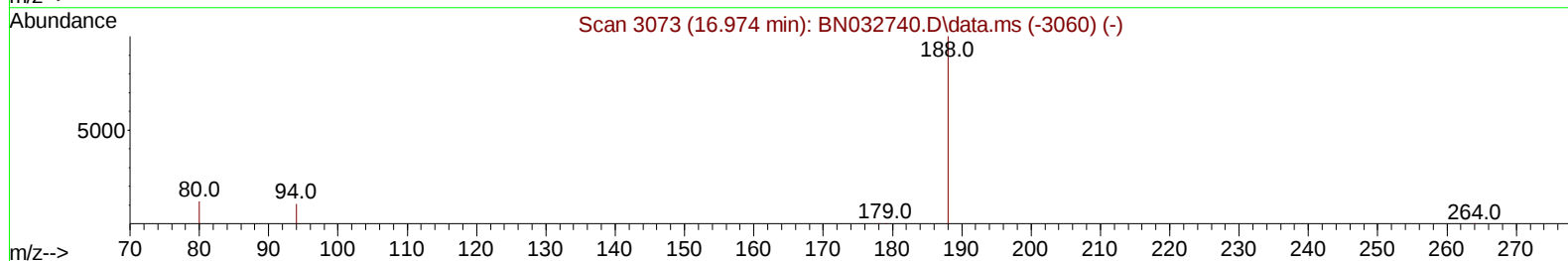
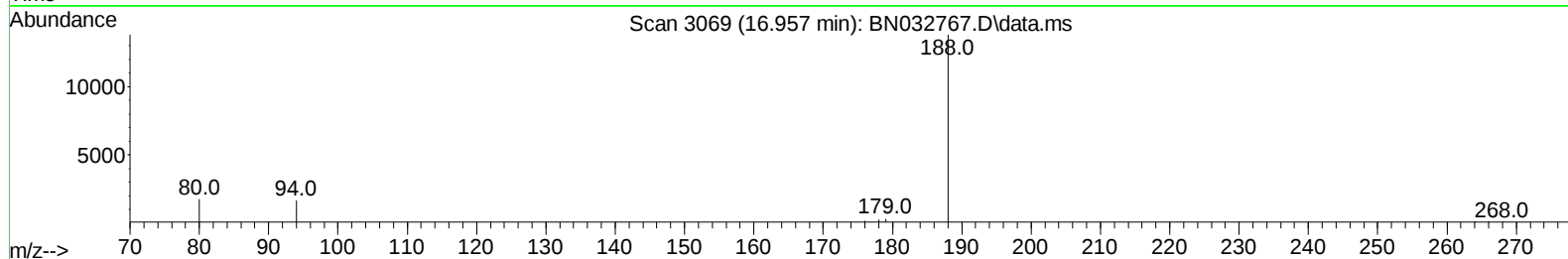
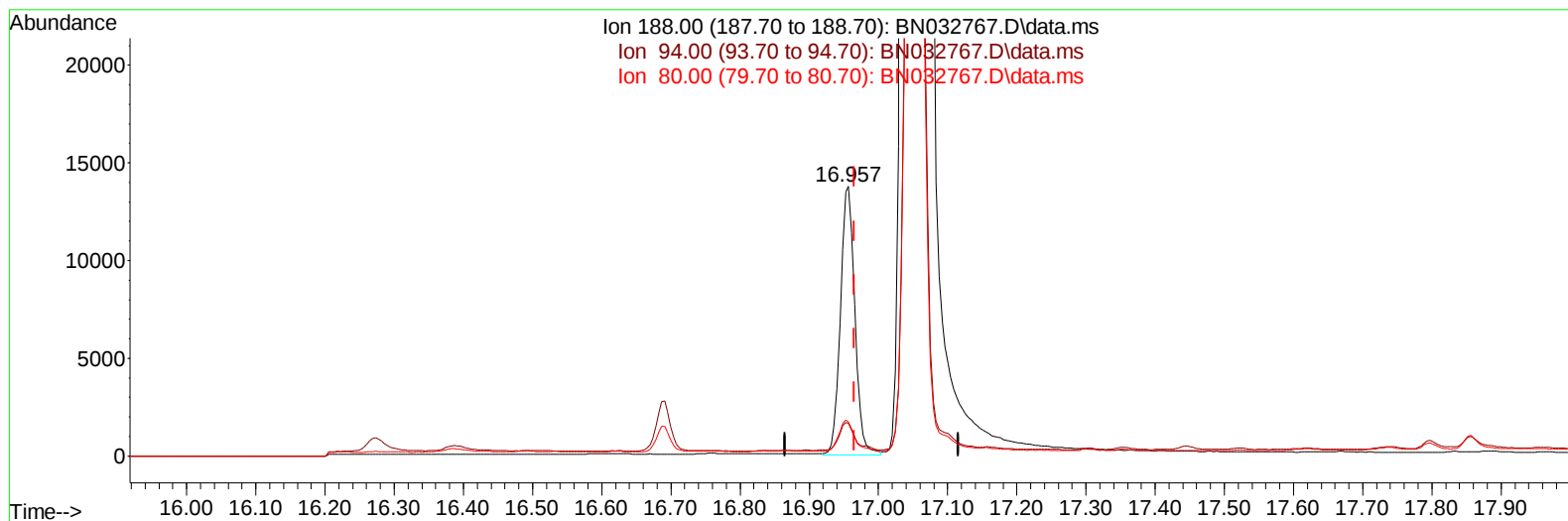
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
Data File : BN032767.D
Acq On : 17 Jul 2024 07:34
Operator : MA/JU
Sample : P3100-21
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D38

Manual IntegrationsAPPROVED

Quant Time: Jul 17 07:59:15 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 : Wed Jul 17 02:35:25 2024
Response via : Initial Calibration

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



TIC: BN032767.D\data.ms

(13) Phenanthrene-d10 (I)

16.957min (-0.009) 0.40 ng/u1 m

response 19853

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	12.12
80.00	12.00	12.63
0.00	0.00	0.00

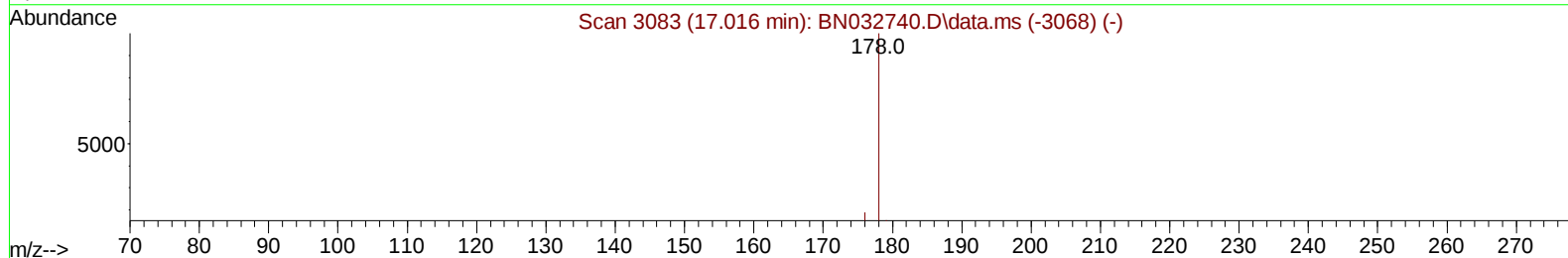
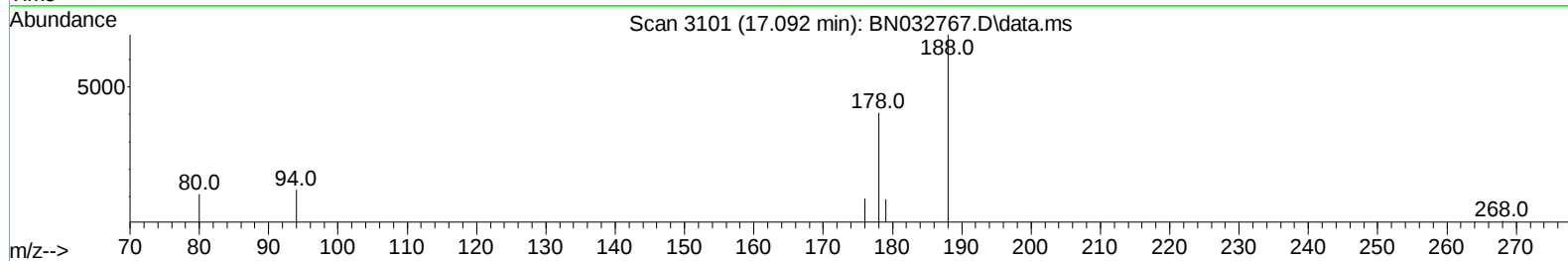
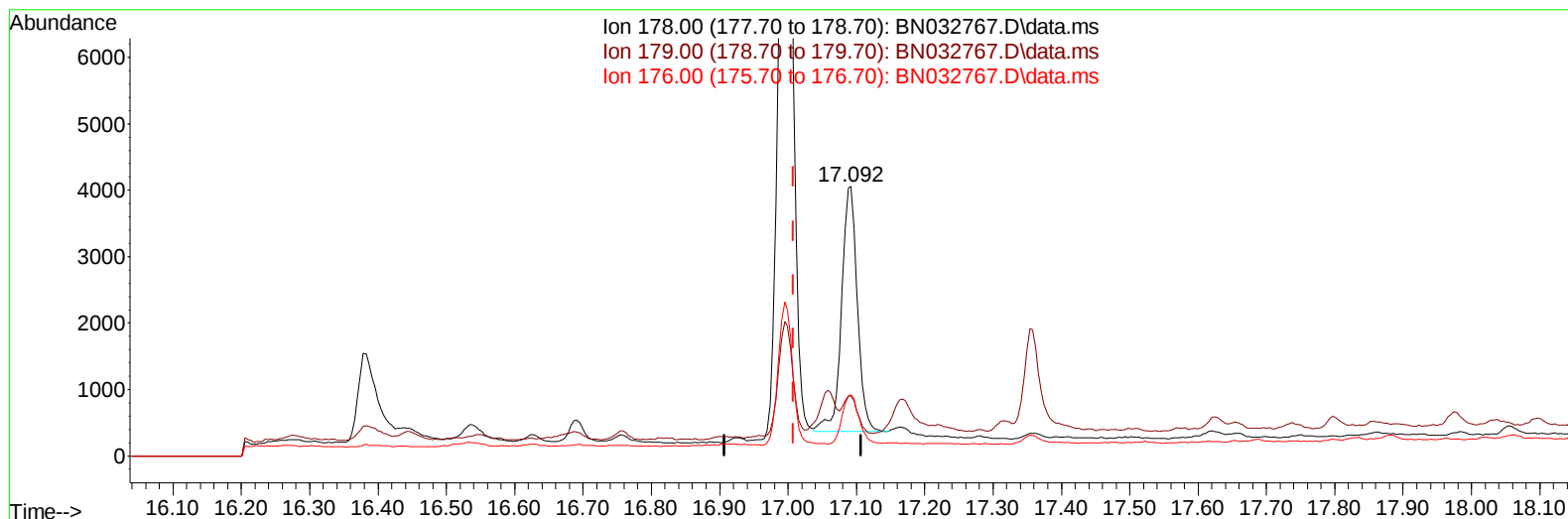
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
Data File : BN032767.D
Acq On : 17 Jul 2024 07:34
Operator : MA/JU
Sample : P3100-21
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D38

Manual IntegrationsAPPROVED

Quant Time: Jul 17 07:59:15 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 : Wed Jul 17 02:35:25 2024
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Reviewed By :Yogesh Patel 07/18/2024
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TIC: BN032767.D\data.ms

(15) Phenanthrene

17.092min (+ 0.084) 0.11 ng/u1

response 5876

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	22.26#
176.00	19.50	22.80
0.00	0.00	0.00

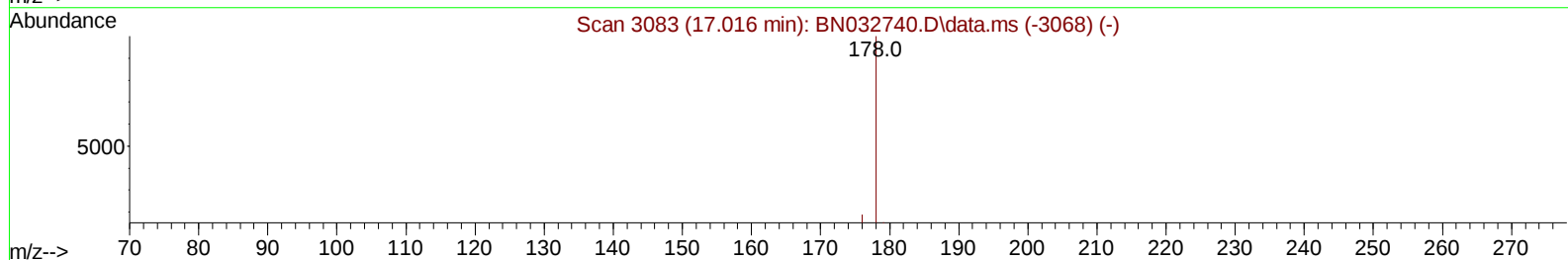
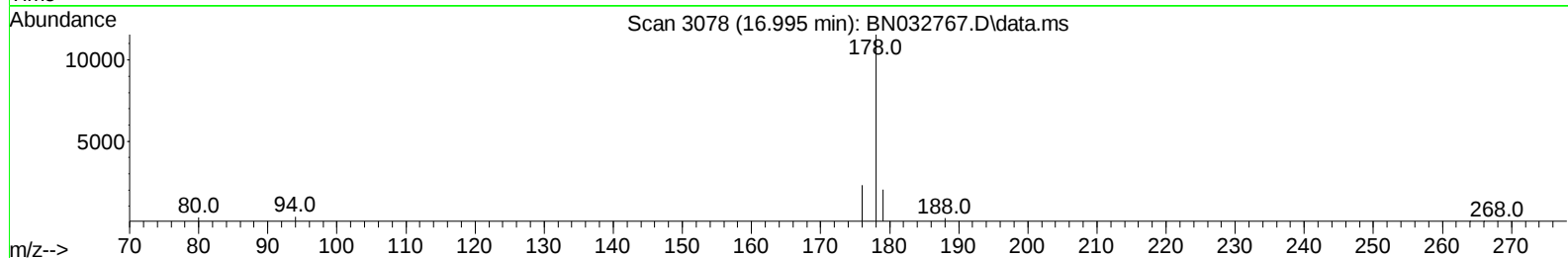
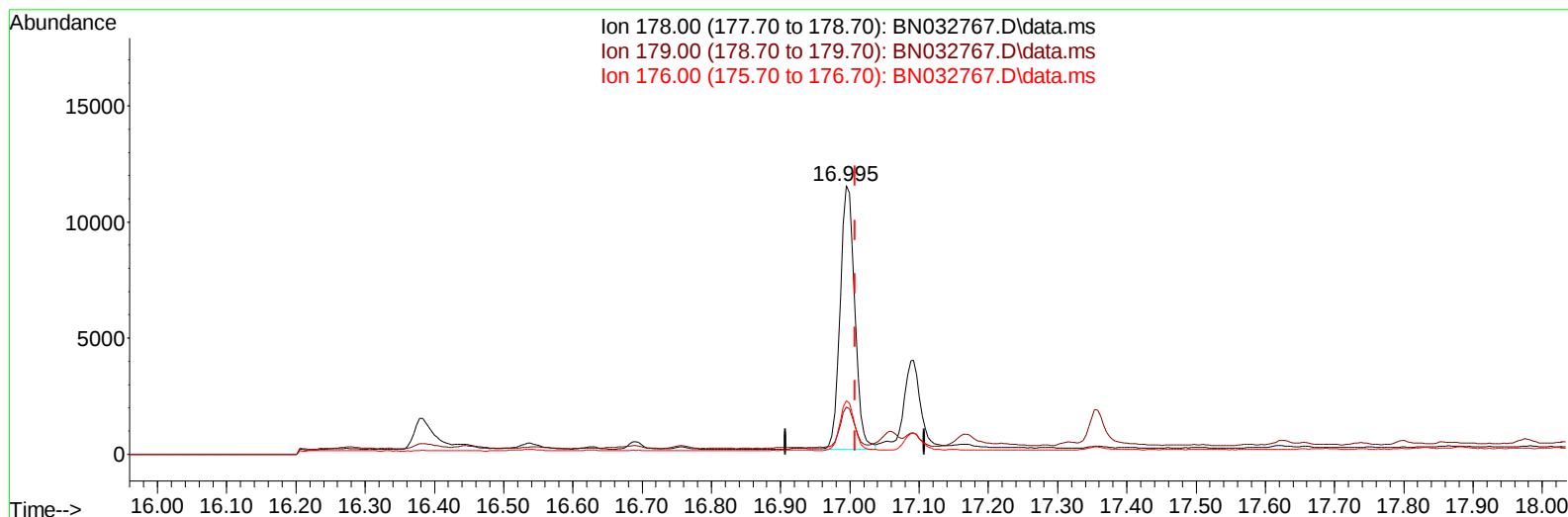
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
Data File : BN032767.D
Acq On : 17 Jul 2024 07:34
Operator : MA/JU
Sample : P3100-21
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D38

Manual IntegrationsAPPROVED

Quant Time: Jul 17 07:59:15 2024
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QLast Update : Wed Jul 17 02:35:25 2024
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Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



TIC: BN032767.D\data.ms

(15) Phenanthrene

16.995min (-0.013) 0.31 ng/ul m

response 16545

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	17.51
176.00	19.50	20.02
0.00	0.00	0.00

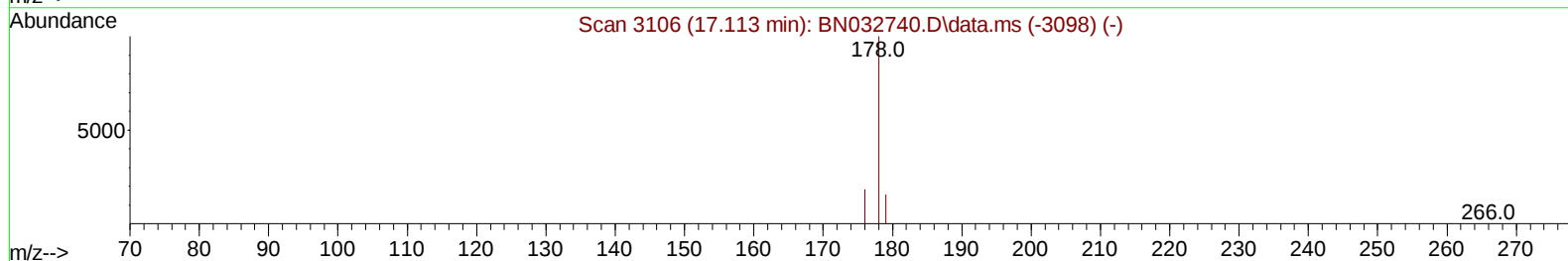
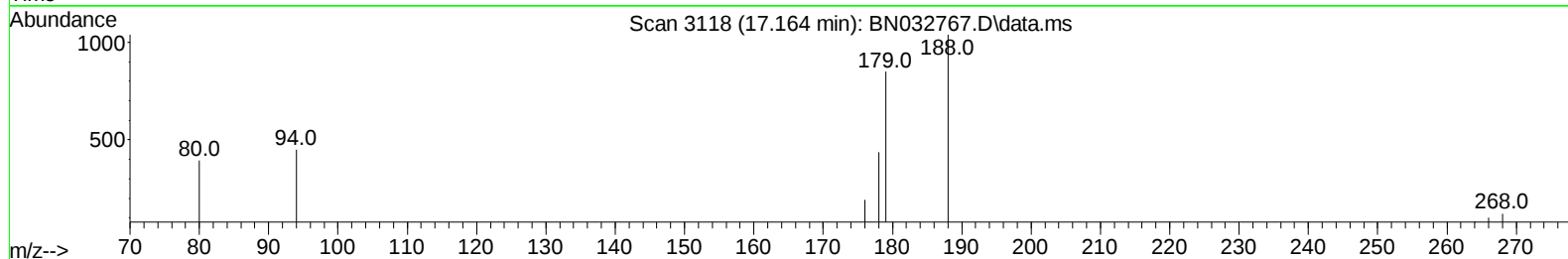
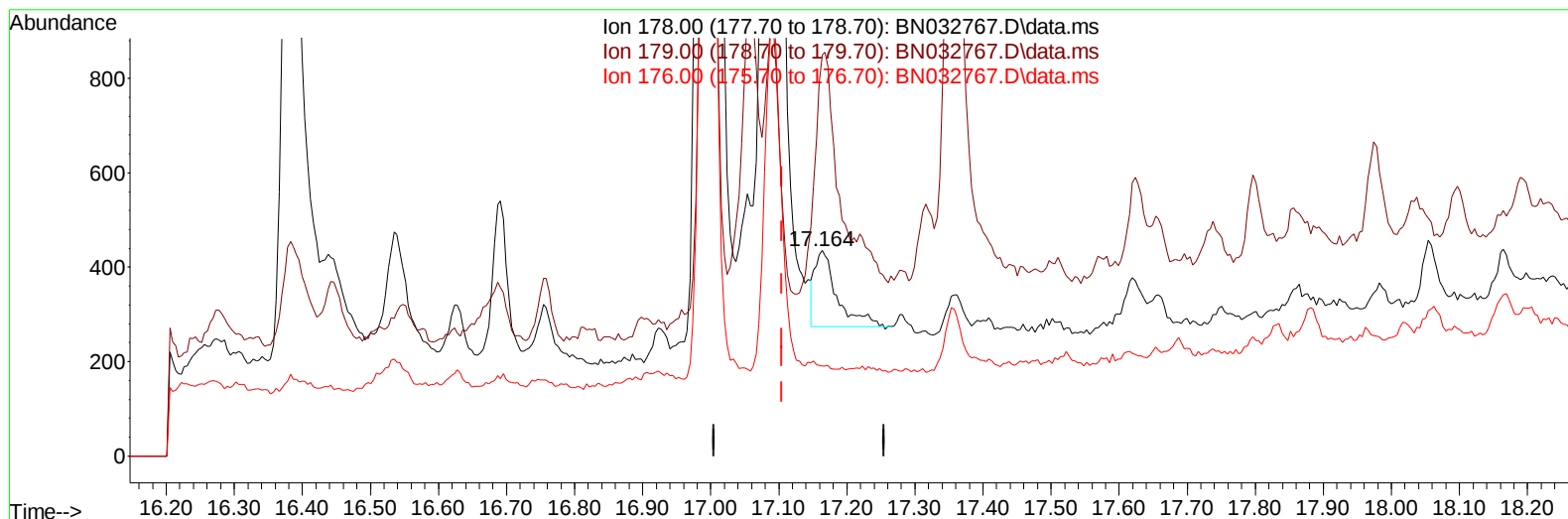
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
Data File : BN032767.D
Acq On : 17 Jul 2024 07:34
Operator : MA/JU
Sample : P3100-21
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D38

Manual IntegrationsAPPROVED

Quant Time: Jul 17 07:59:15 2024
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TIC: BN032767.D\data.ms

(16) Anthracene

17.164min (+ 0.059) 0.01 ng/u1

response 370

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	195.40#
176.00	19.20	43.91#
0.00	0.00	0.00

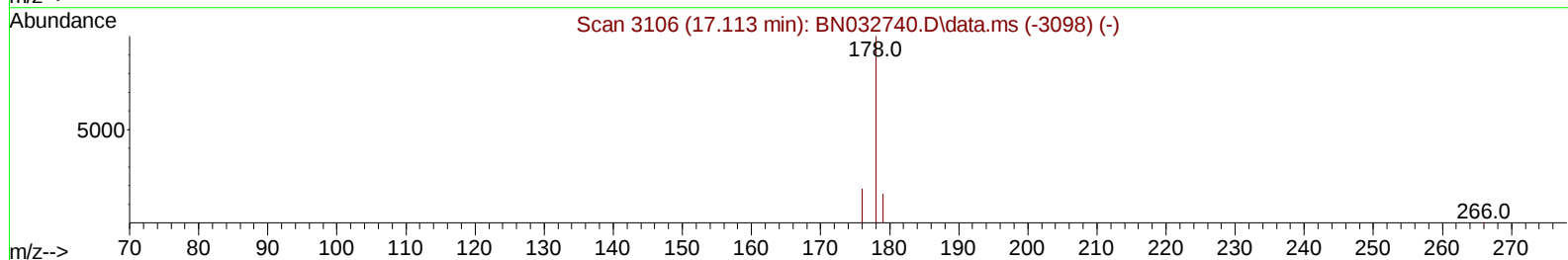
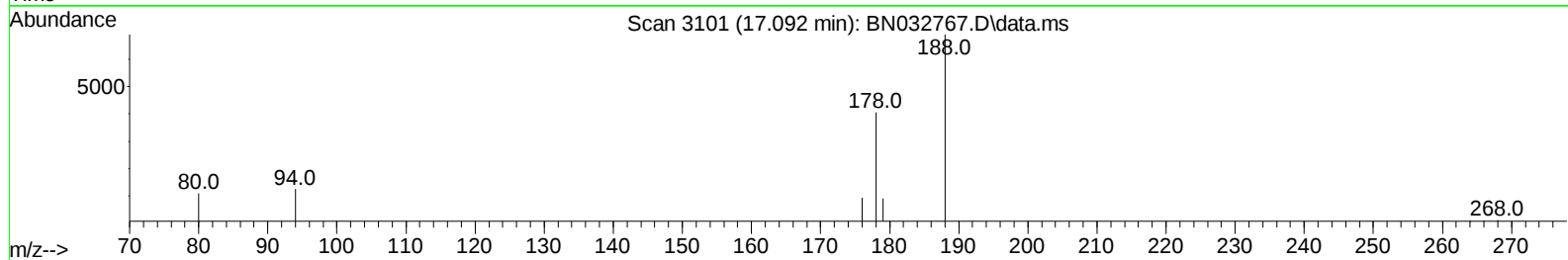
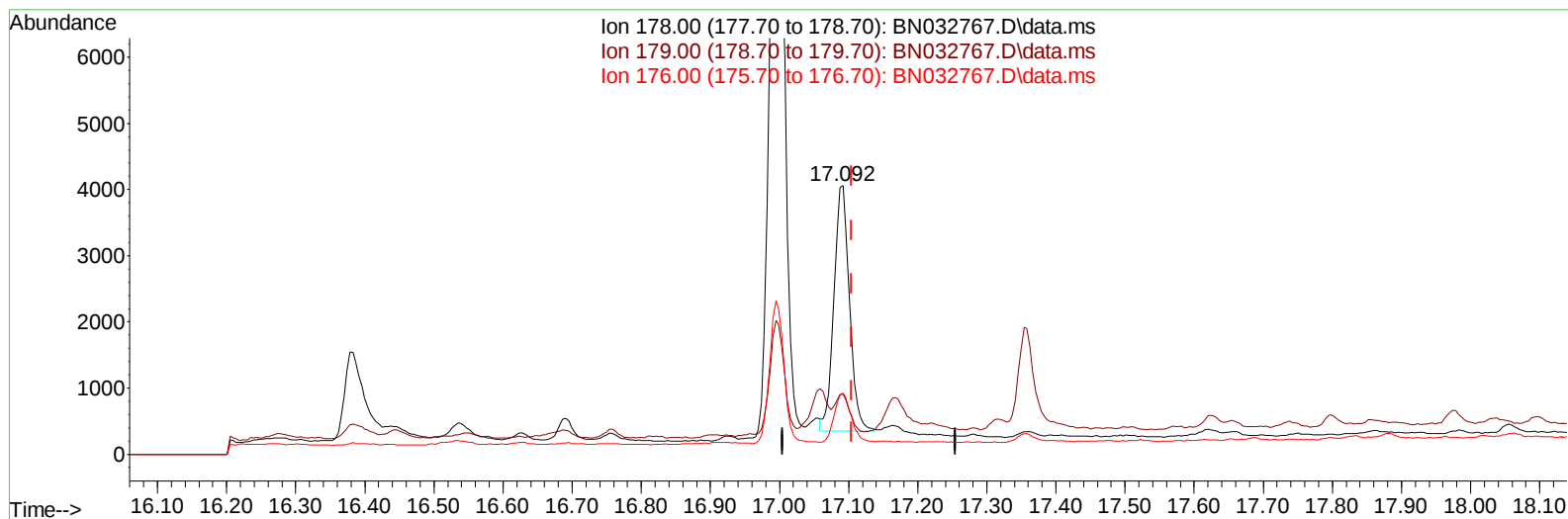
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
Data File : BN032767.D
Acq On : 17 Jul 2024 07:34
Operator : MA/JU
Sample : P3100-21
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D38

Manual IntegrationsAPPROVED

Quant Time: Jul 17 07:59:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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QLast Update : Wed Jul 17 02:35:25 2024
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TIC: BN032767.D\data.ms

(16) Anthracene

17.092min (-0.013) 0.13 ng/u1 m

response 5811

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	22.26#
176.00	19.20	22.80
0.00	0.00	0.00

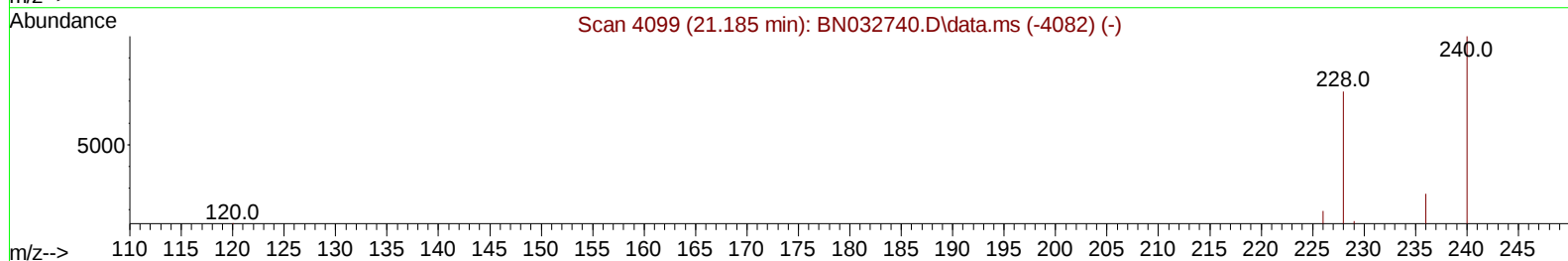
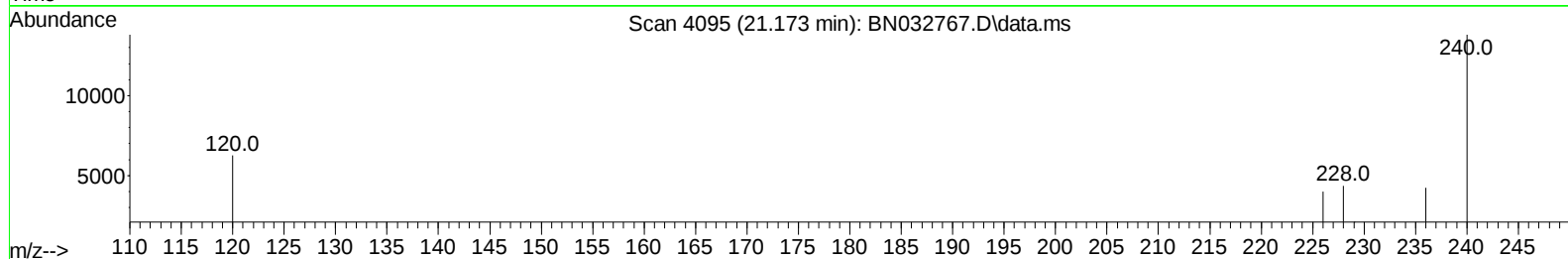
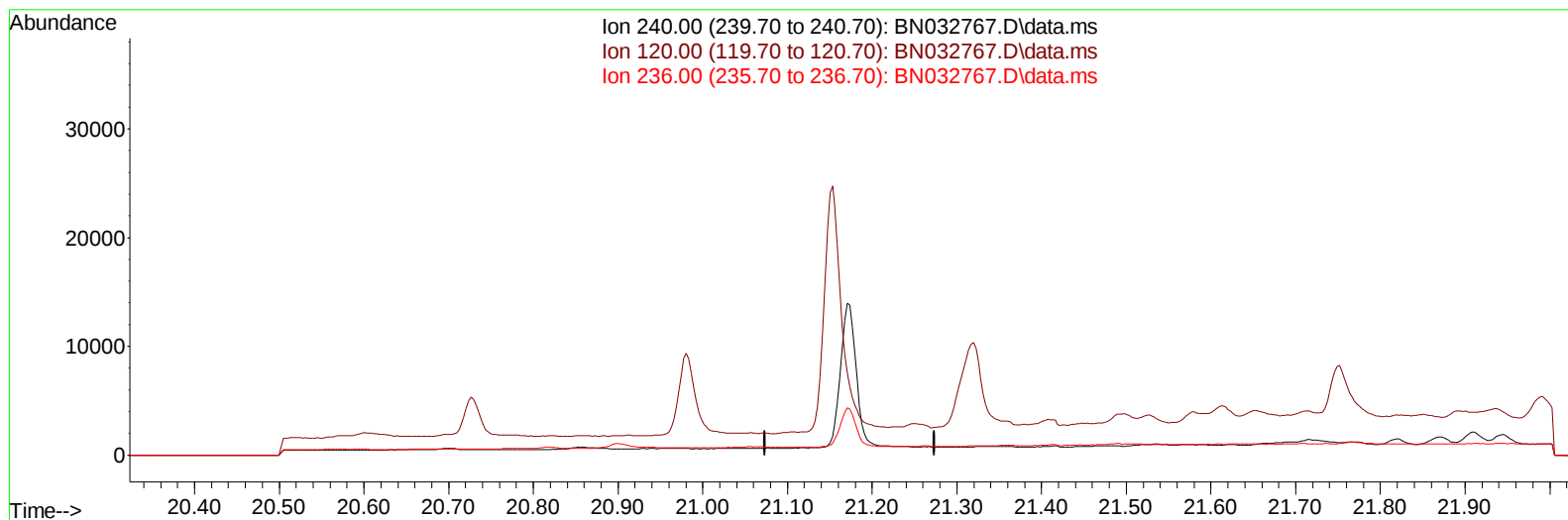
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
Data File : BN032767.D
Acq On : 17 Jul 2024 07:34
Operator : MA/JU
Sample : P3100-21
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D38

Manual IntegrationsAPPROVED

Quant Time: Jul 17 07:59:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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TIC: BN032767.D\data.ms

(17) Chrysene-d12

21.174min (-21.174) 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

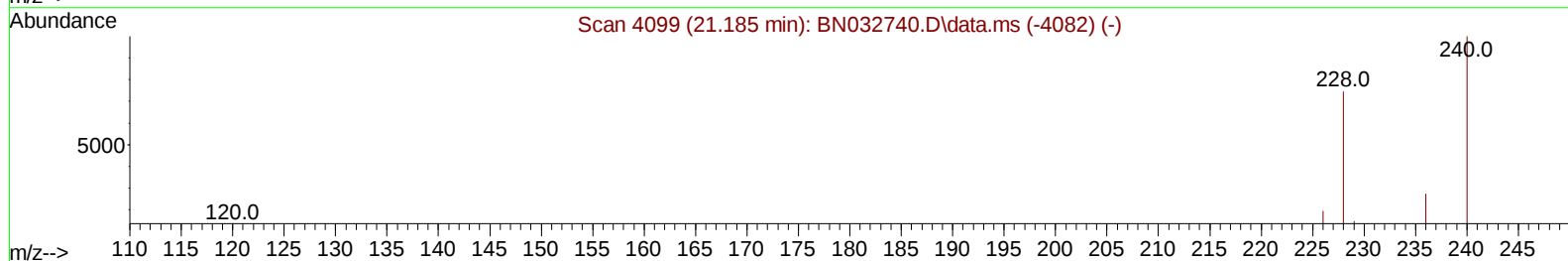
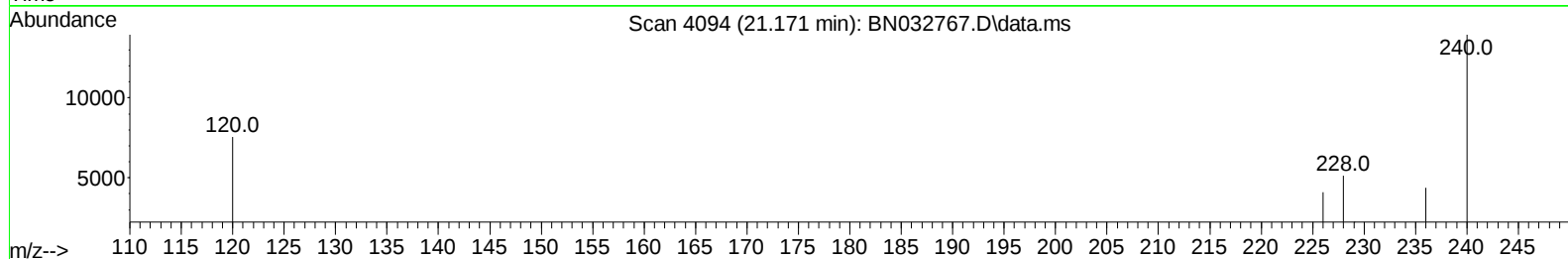
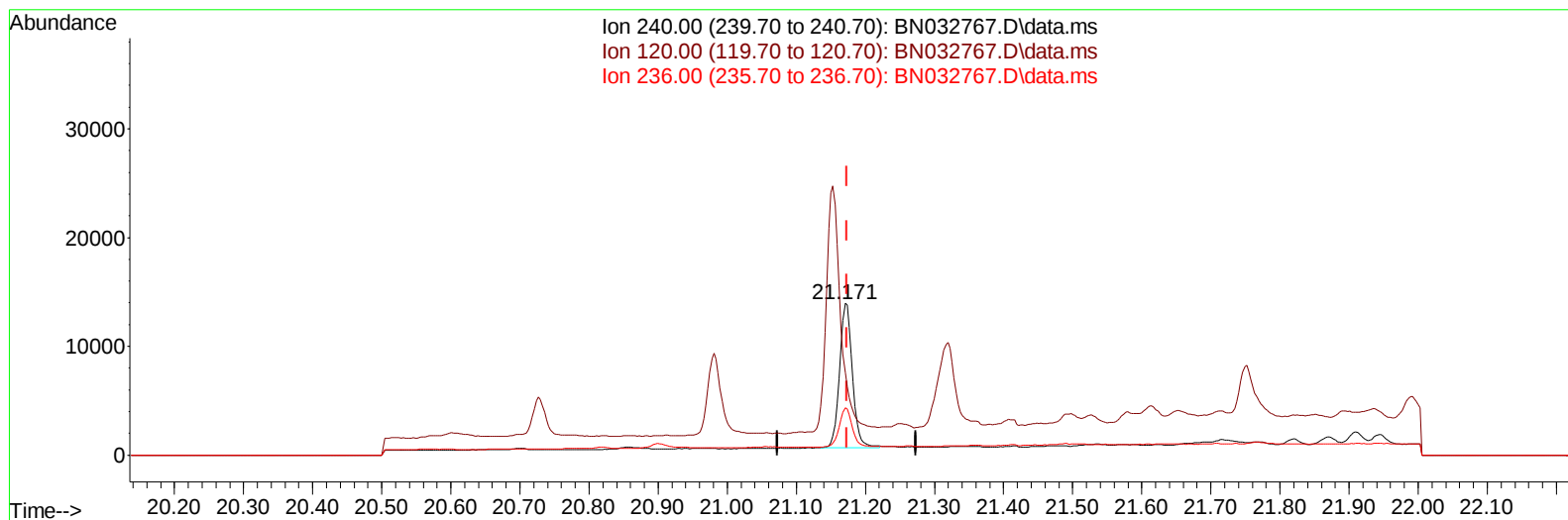
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
Data File : BN032767.D
Acq On : 17 Jul 2024 07:34
Operator : MA/JU
Sample : P3100-21
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D38

Manual IntegrationsAPPROVED

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

Quant Time: Jul 17 07:59:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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QLast Update : Wed Jul 17 02:35:25 2024
Response via : Initial Calibration



TIC: BN032767.D\data.ms

(17) Chrysene-d12

21.171min (-0.003) 0.40 ng/ul m

response 17188

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.00	54.23#
236.00	28.40	31.34
0.00	0.00	0.00

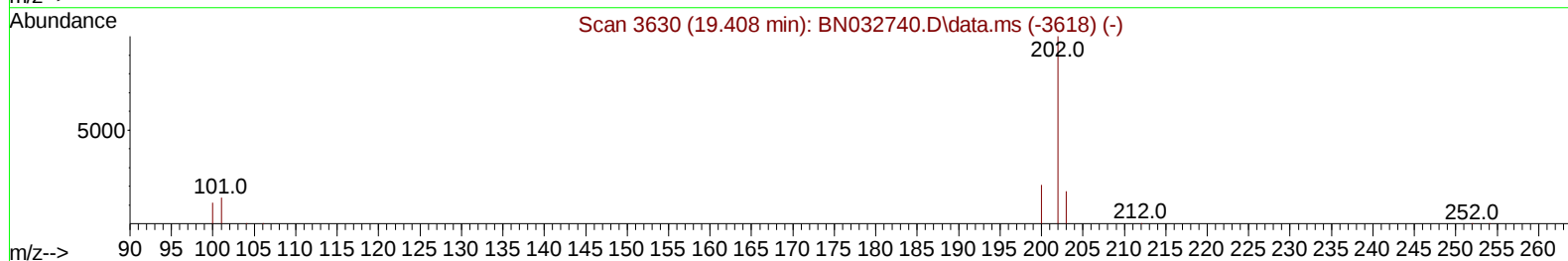
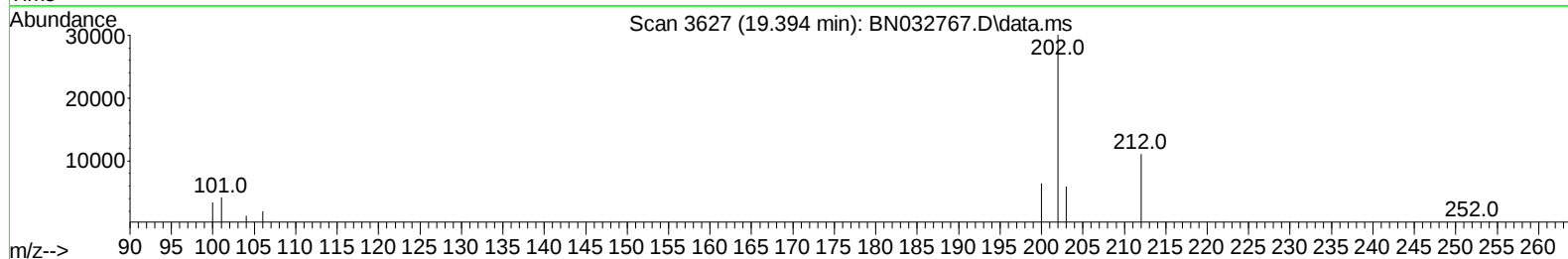
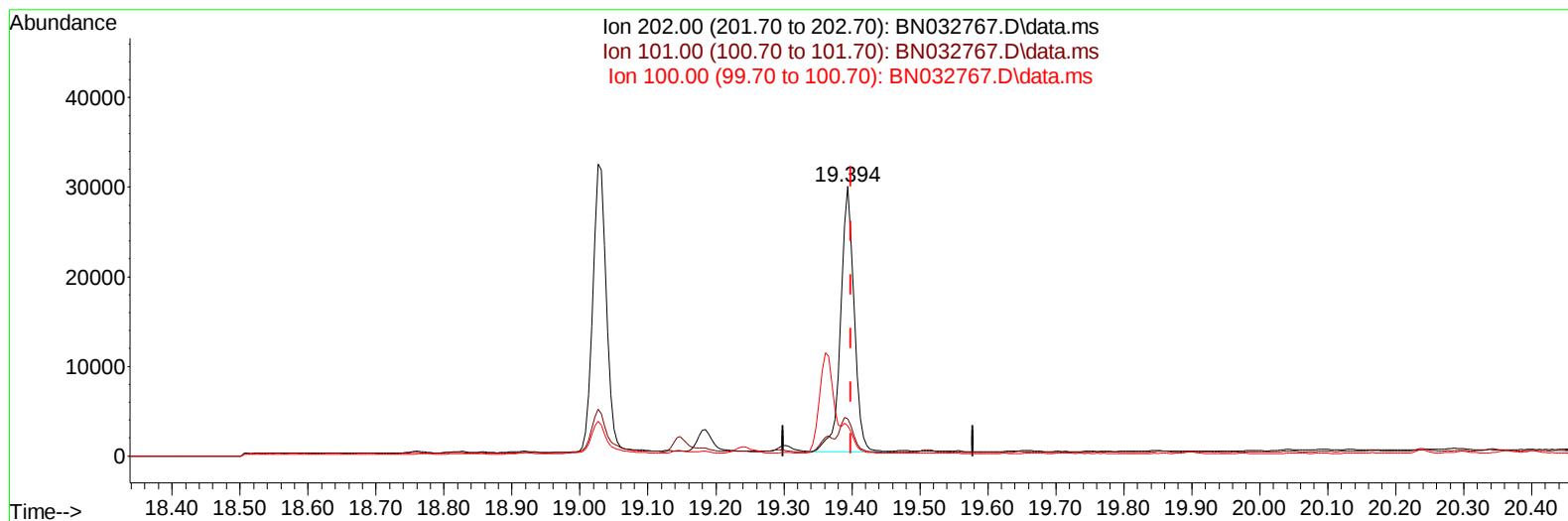
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
Data File : BN032767.D
Acq On : 17 Jul 2024 07:34
Operator : MA/JU
Sample : P3100-21
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D38

Manual IntegrationsAPPROVED

Quant Time: Jul 17 07:59:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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TIC: BN032767.D\data.ms

(20) Pyrene

19.394min (-0.005) 0.56 ng/u1

response 40742

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	14.70	13.92
100.00	12.00	11.18
0.00	0.00	0.00

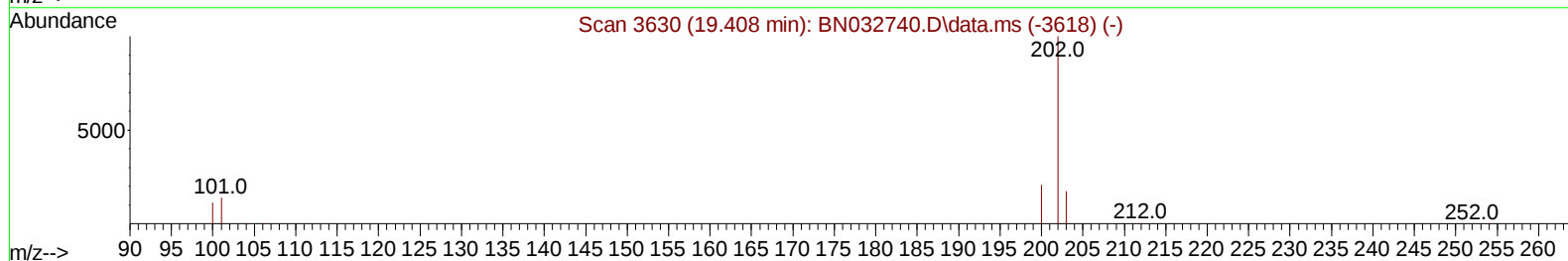
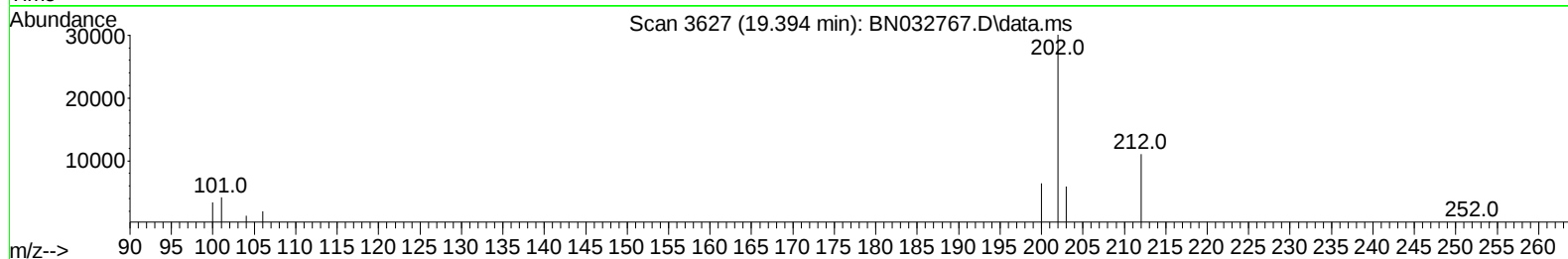
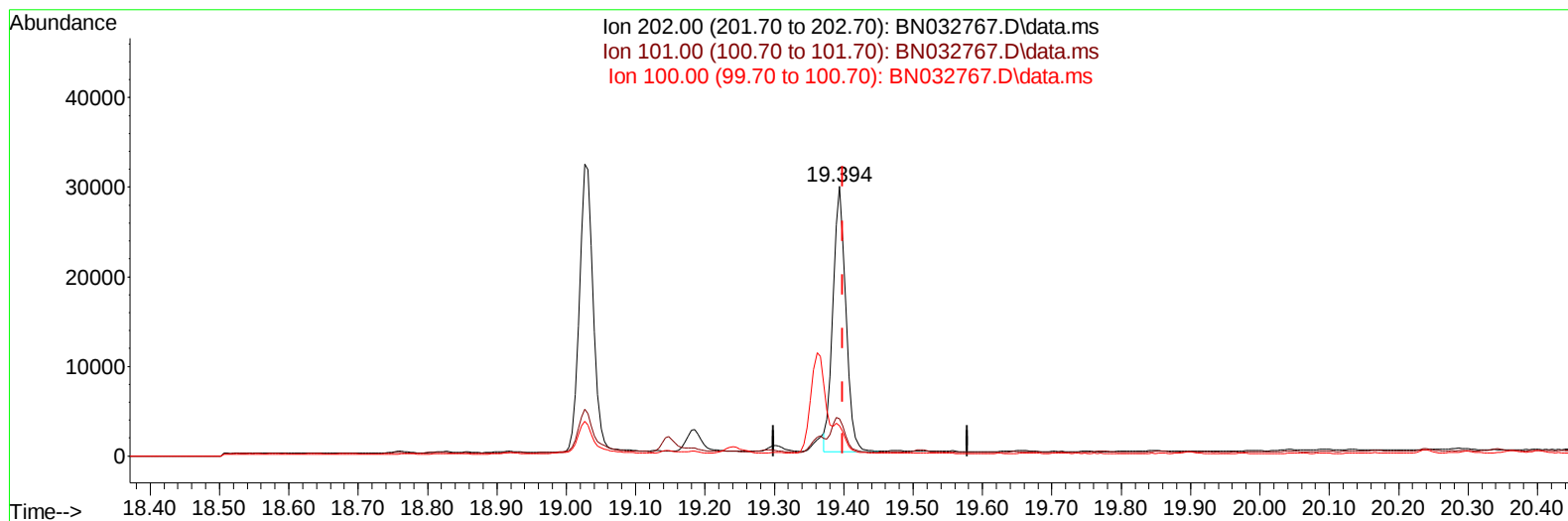
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
Data File : BN032767.D
Acq On : 17 Jul 2024 07:34
Operator : MA/JU
Sample : P3100-21
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D38

Manual IntegrationsAPPROVED

Quant Time: Jul 17 07:59:15 2024
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TIC: BN032767.D\data.ms

(20) Pyrene

19.394min (-0.005) 0.54 ng/ul m

response 38865

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	14.70	13.92
100.00	12.00	11.18
0.00	0.00	0.00

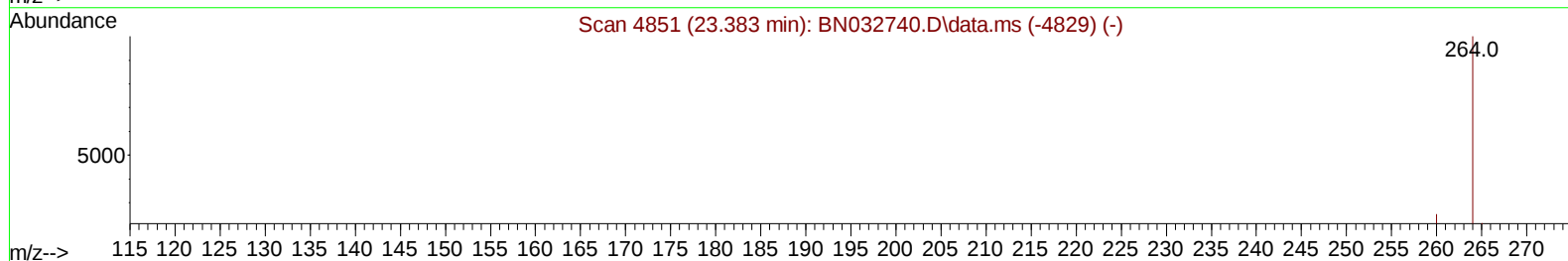
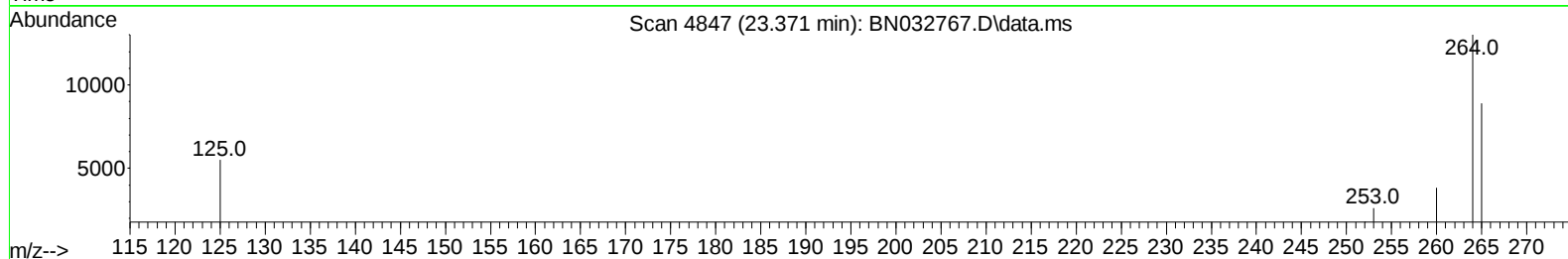
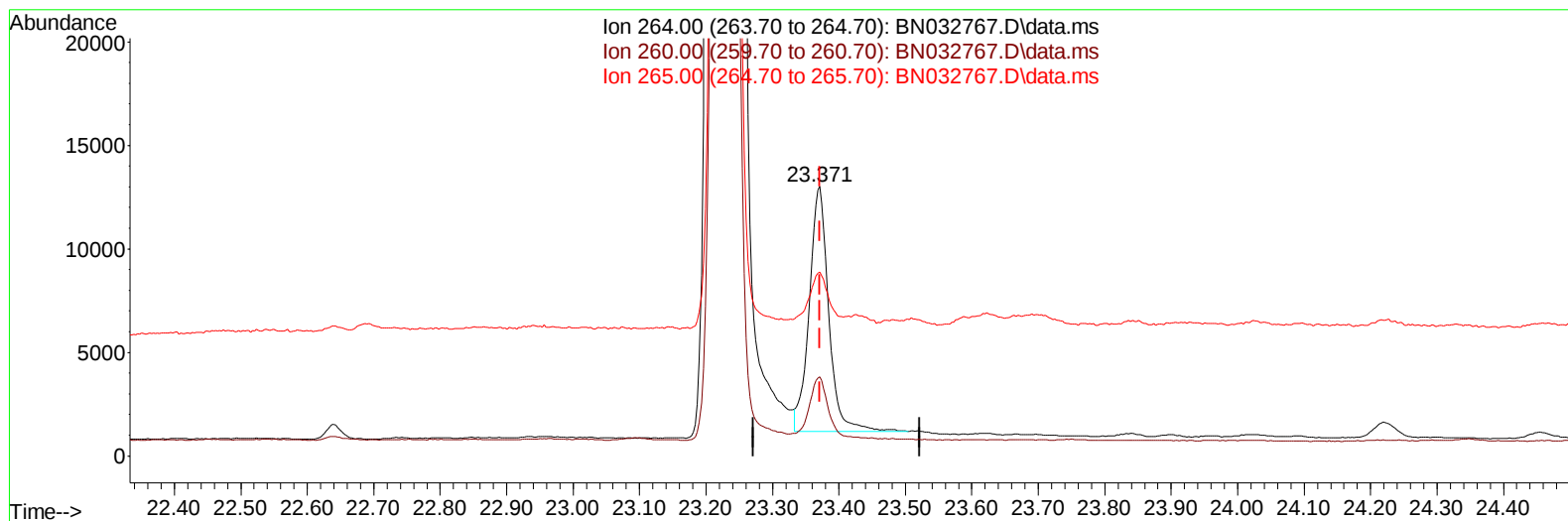
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
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Acq On : 17 Jul 2024 07:34
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Sample : P3100-21
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D38

Manual IntegrationsAPPROVED

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TIC: BN032767.D\data.ms

(23) Perylene-d12 (I)

23.371min (-0.000) 0.40 ng/u1

response 24213

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	29.35
265.00	95.50	68.35#
0.00	0.00	0.00

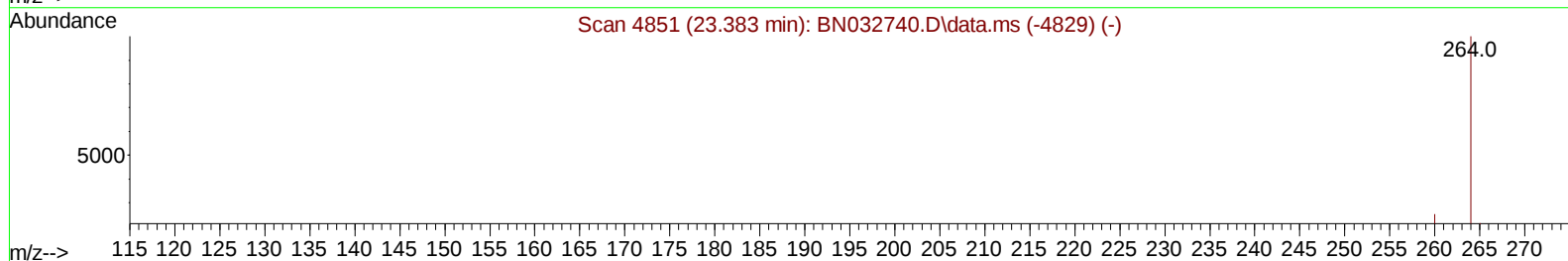
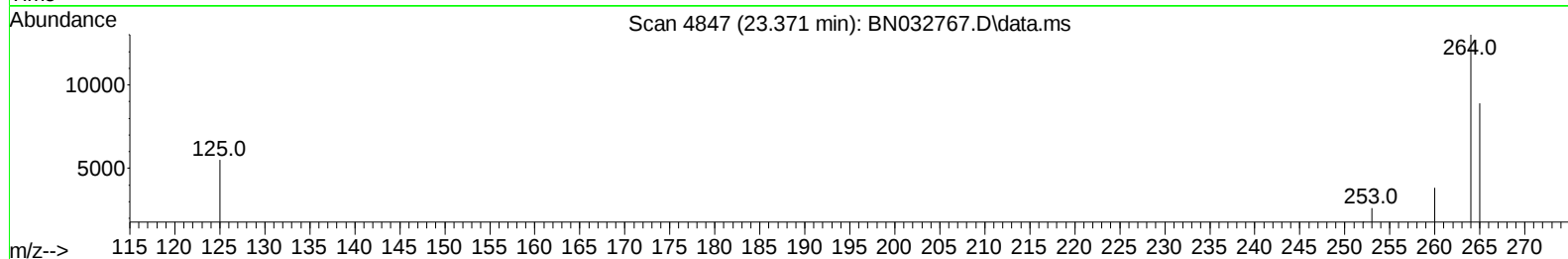
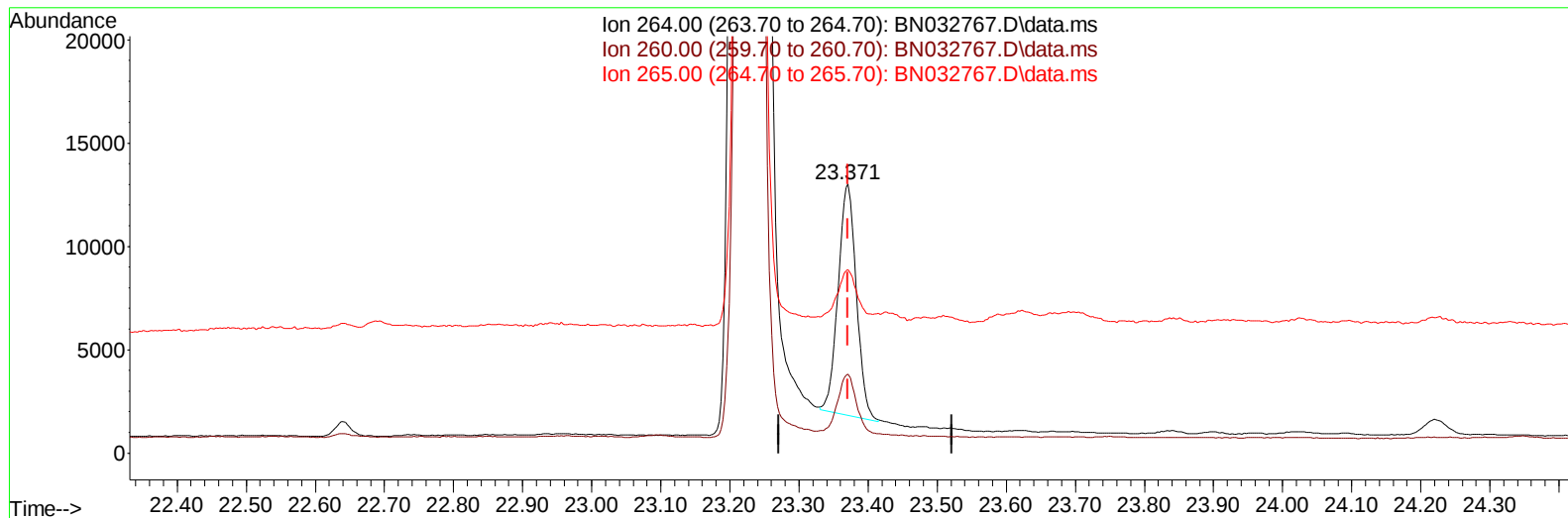
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
Data File : BN032767.D
Acq On : 17 Jul 2024 07:34
Operator : MA/JU
Sample : P3100-21
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D38

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 07/19/2024



TIC: BN032767.D\data.ms

(23) Perylene-d12 (I)

23.371min (-0.000) 0.40 ng/ul m

response 20404

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	29.35
265.00	95.50	68.35#
0.00	0.00	0.00

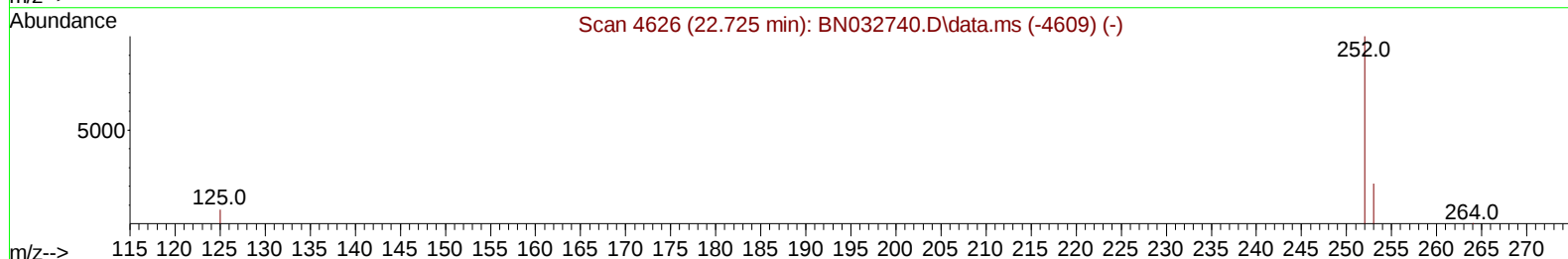
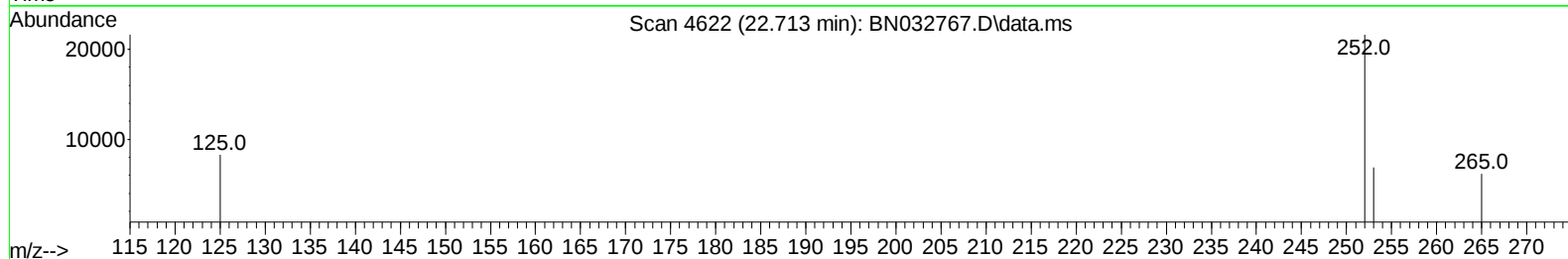
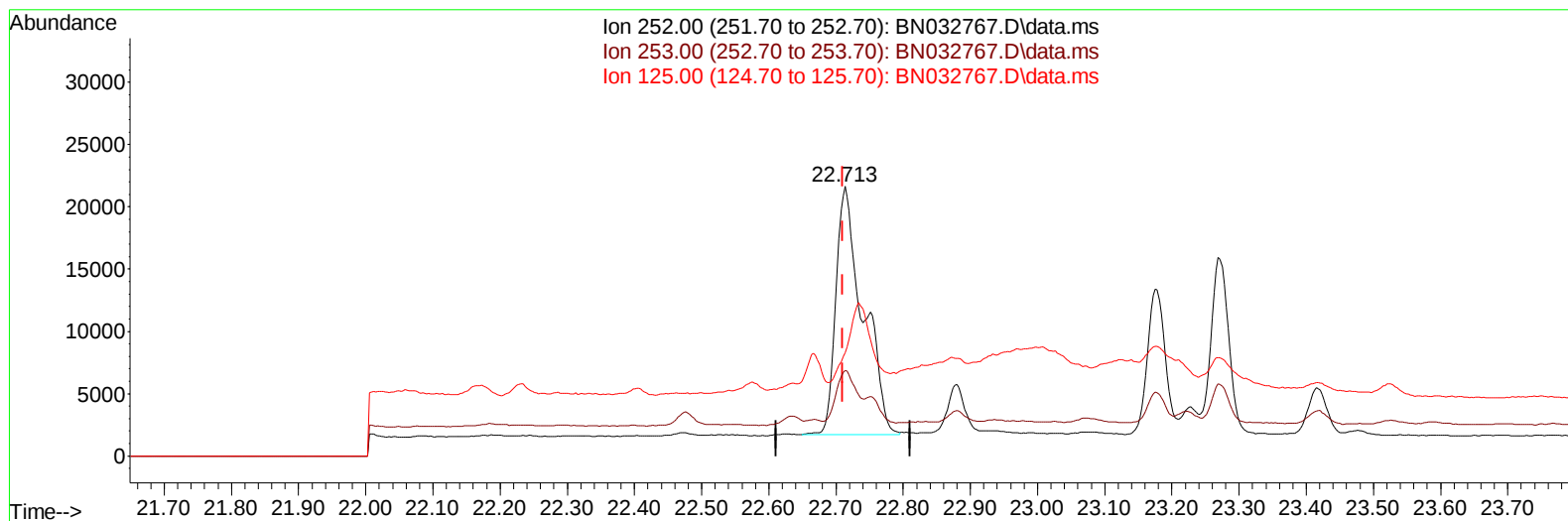
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
Data File : BN032767.D
Acq On : 17 Jul 2024 07:34
Operator : MA/JU
Sample : P3100-21
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D38

Manual IntegrationsAPPROVED

Quant Time: Jul 17 07:59:15 2024
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Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



TIC: BN032767.D\data.ms

(24) Benzo(b)fluoranthene

22.713min (+ 0.003) 0.78 ng/u1

response 55849

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	31.75
125.00	18.00	38.32#
0.00	0.00	0.00

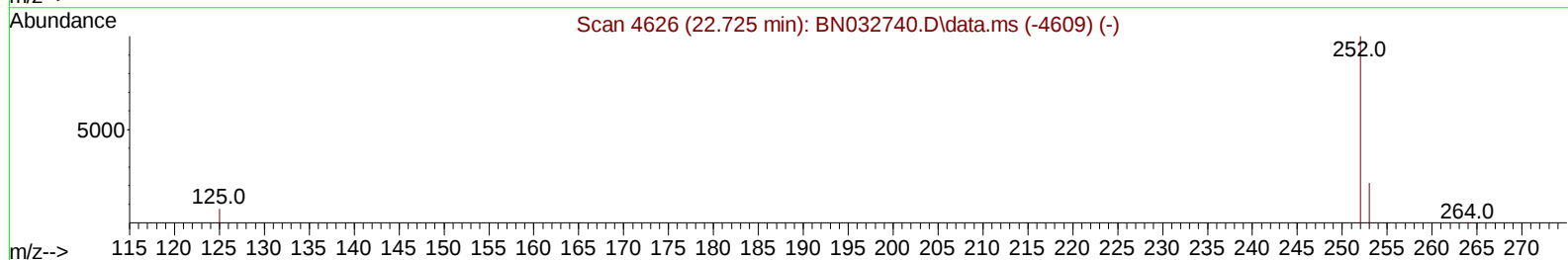
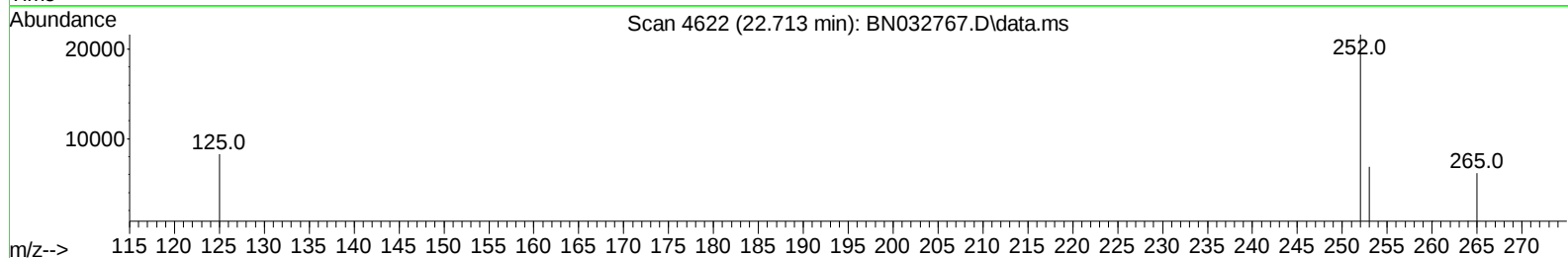
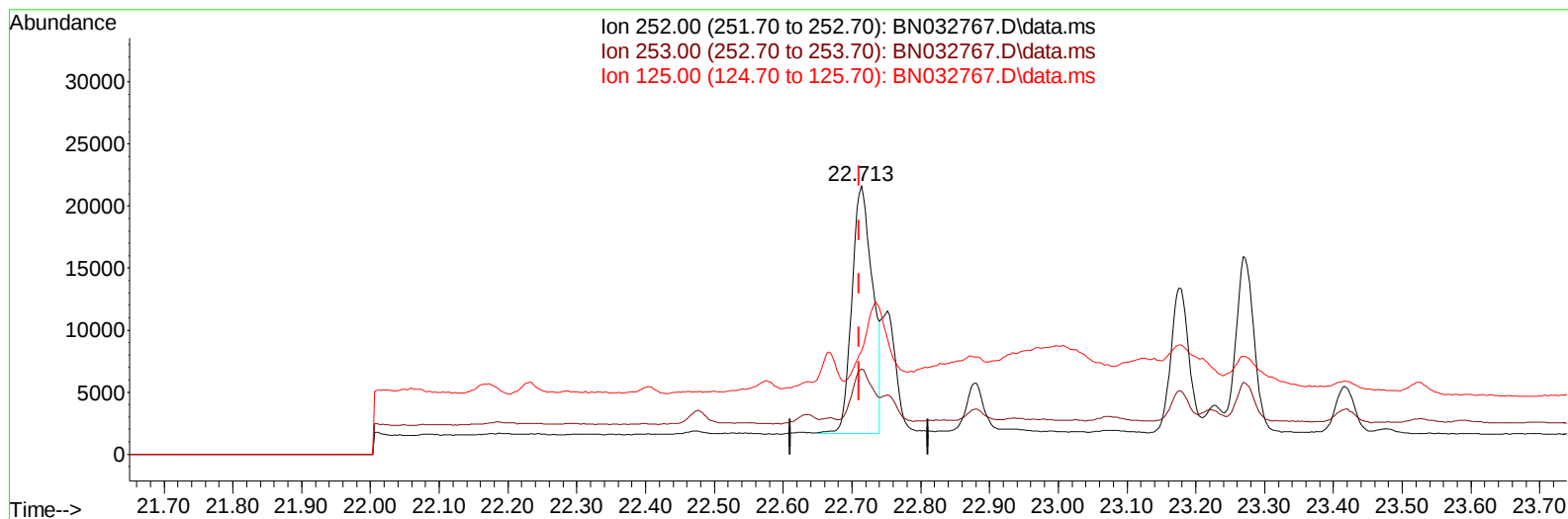
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
Data File : BN032767.D
Acq On : 17 Jul 2024 07:34
Operator : MA/JU
Sample : P3100-21
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D38

Manual IntegrationsAPPROVED

Quant Time: Jul 17 07:59:15 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 : Wed Jul 17 02:35:25 2024
Response via : Initial Calibration

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



TIC: BN032767.D\data.ms

(24) Benzo(b)fluoranthene

22.713min (+ 0.003) 0.58 ng/u1 m

response 41550

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	31.75
125.00	18.00	38.32#
0.00	0.00	0.00

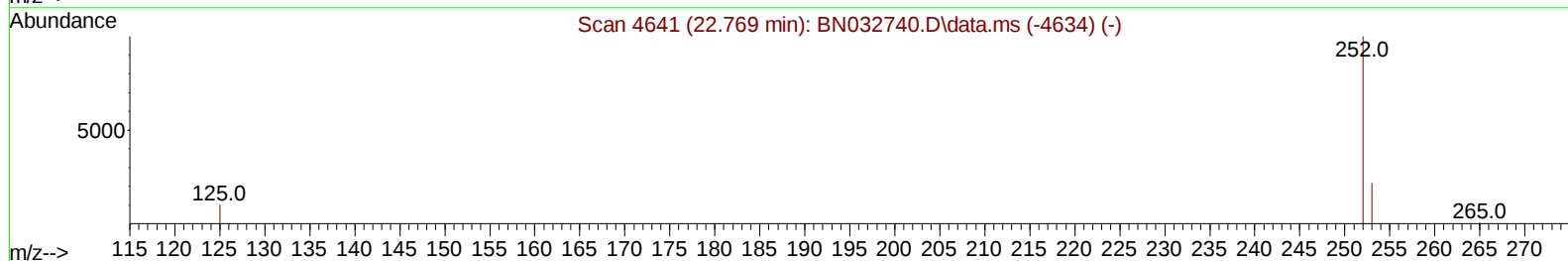
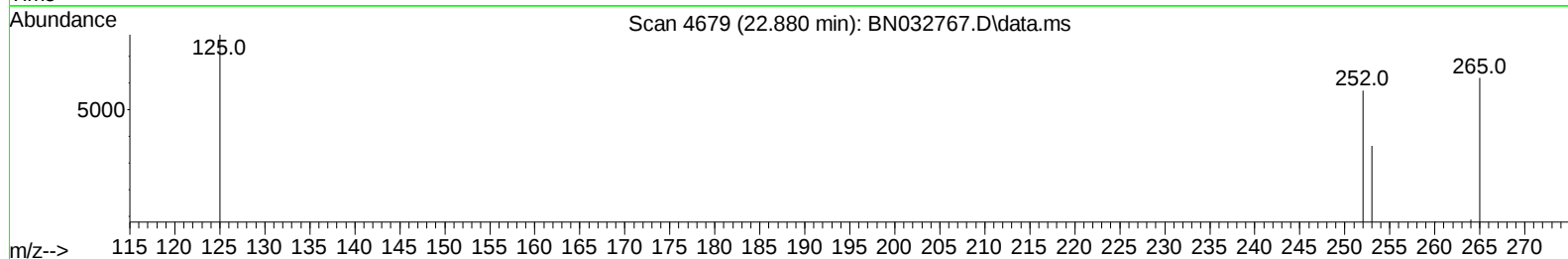
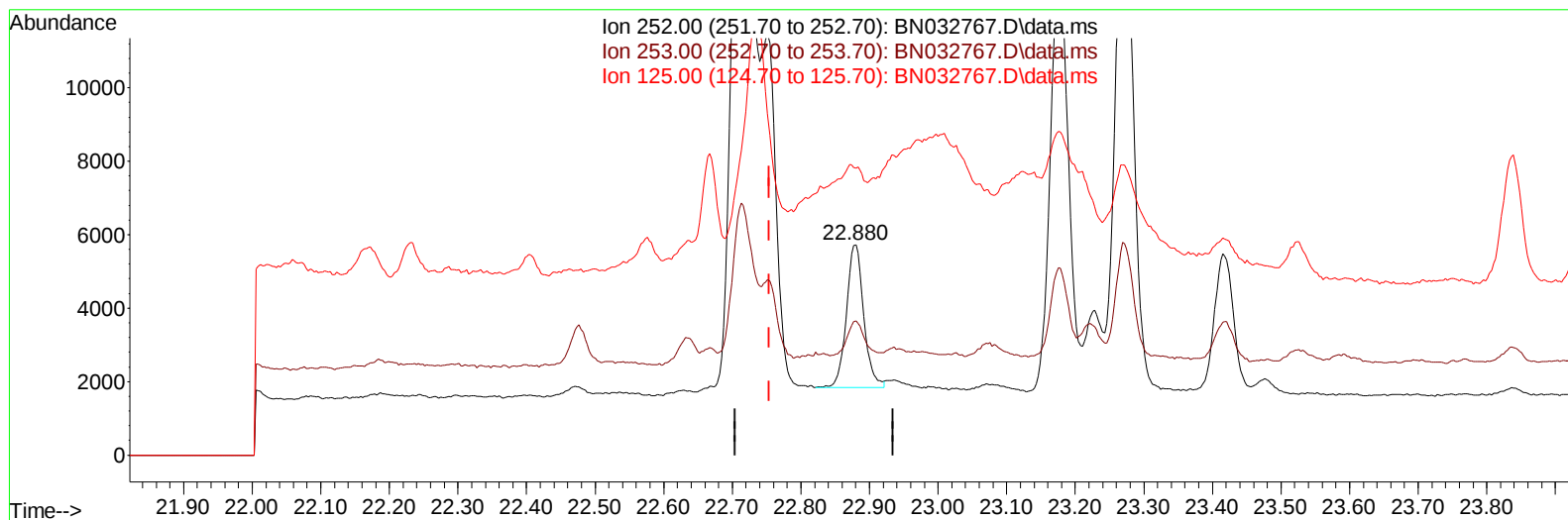
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
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ALS Vial : 38 Sample Multiplier: 1

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TIC: BN032767.D\data.ms

(25) Benzo(k)fluoranthene

22.880min (+ 0.126) 0.08 ng/u1

response 6833

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	63.71#
125.00	18.50	136.46#
0.00	0.00	0.00

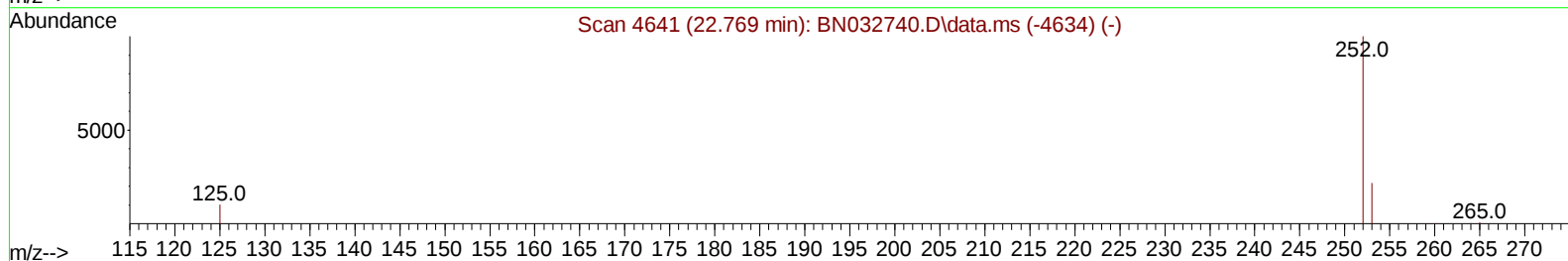
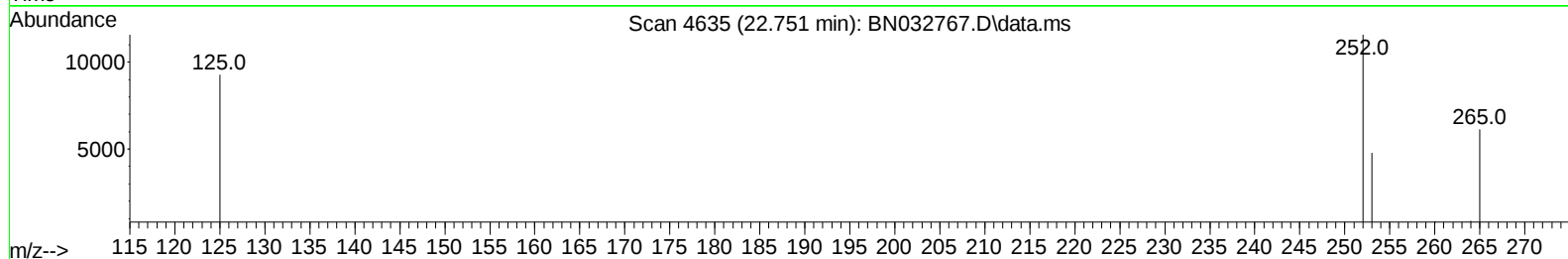
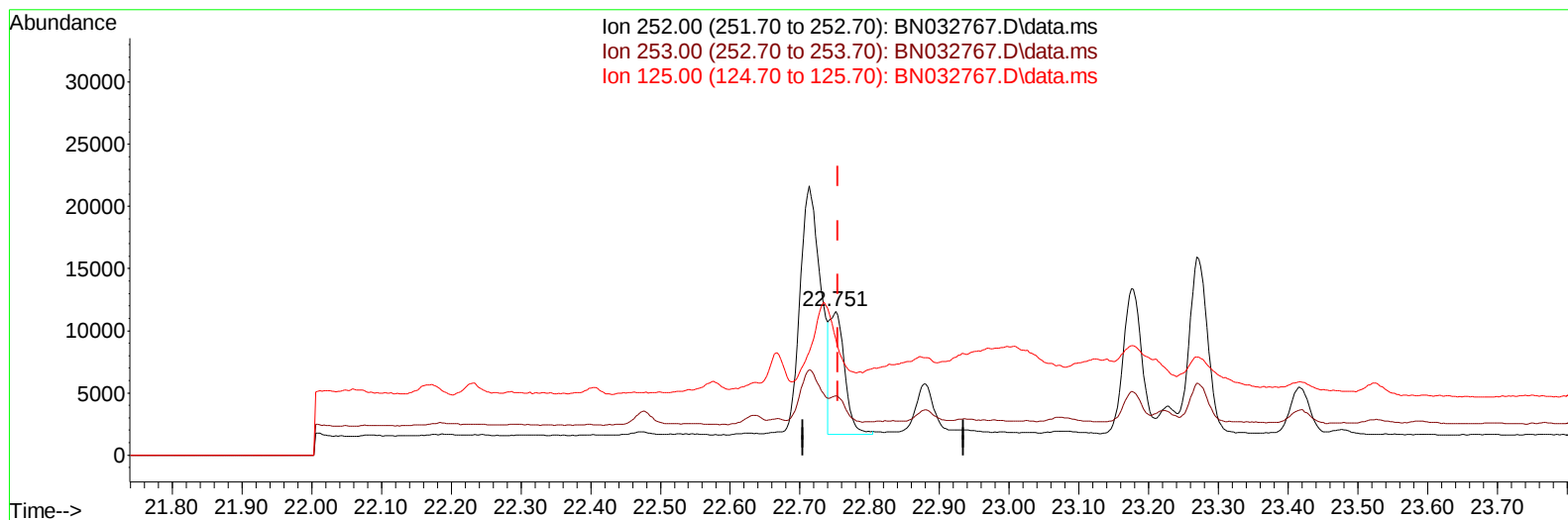
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
Data File : BN032767.D
Acq On : 17 Jul 2024 07:34
Operator : MA/JU
Sample : P3100-21
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D38

Manual IntegrationsAPPROVED

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TIC: BN032767.D\data.ms

(25) Benzo(k)fluoranthene

22.751min (-0.003) 0.17 ng/ul m

response 14645

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	41.18#
125.00	18.50	80.27#
0.00	0.00	0.00

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 Operator : MA/JU
 Sample : P3100-21
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4D38

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	6007	0.400	ng/ul	0.00
4) Naphthalene-d8	10.316	136	17585	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.193	164	9275	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.957	188	19853m	0.400	ng/ul	0.00
17) Chrysene-d12	21.171	240	17188m	0.400	ng/ul	0.00
23) Perylene-d12	23.371	264	20404m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.101	96	27323	3.788	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.916	152	5776	0.217	ng/ul	-0.02
18) Fluoranthene-d10	18.999	212	11928	0.213	ng/ul	0.00
Target Compounds						
					Qvalue	
10) Acenaphthylene	13.915	152	6431	0.172	ng/ul	95
11) Acenaphthene	14.258	153	796	0.026	ng/ul#	90
12) Fluorene	15.257	166	1410	0.040	ng/ul#	91
15) Phenanthrene	16.995	178	16545m	0.306	ng/ul	
16) Anthracene	17.092	178	5811m	0.132	ng/ul	
19) Fluoranthene	19.027	202	45340	0.649	ng/ul#	92
20) Pyrene	19.394	202	38865m	0.537	ng/ul	
21) Benzo(a)anthracene	21.156	228	21045	0.385	ng/ul#	86
22) Chrysene	21.206	228	24341	0.308	ng/ul#	88
24) Benzo(b)fluoranthene	22.713	252	41550m	0.577	ng/ul	
25) Benzo(k)fluoranthene	22.751	252	14645m	0.167	ng/ul	
26) Benzo(a)pyrene	23.269	252	25833	0.415	ng/ul#	74
27) Indeno(1,2,3-cd)pyrene	25.582	276	22088	0.262	ng/ul#	48
28) Dibenzo(a,h)anthracene	25.582	278	5616	0.086	ng/ul#	1
29) Benzo(g,h,i)perylene	26.270	276	22882	0.325	ng/ul#	76

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

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