

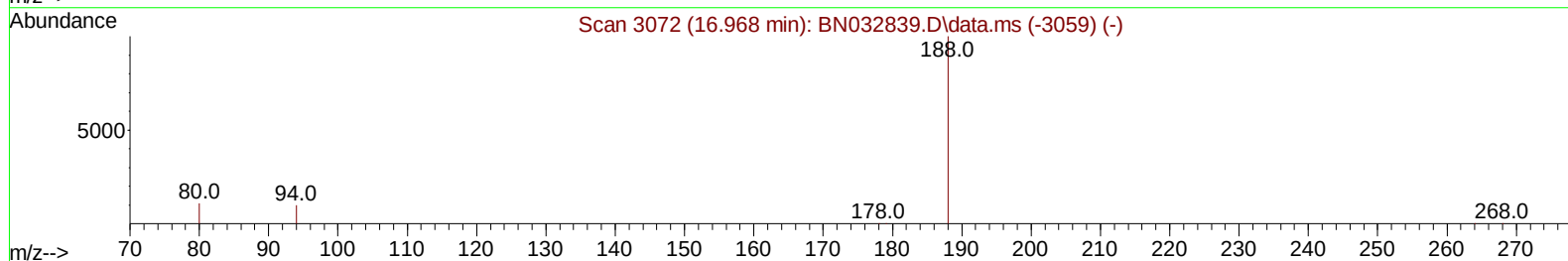
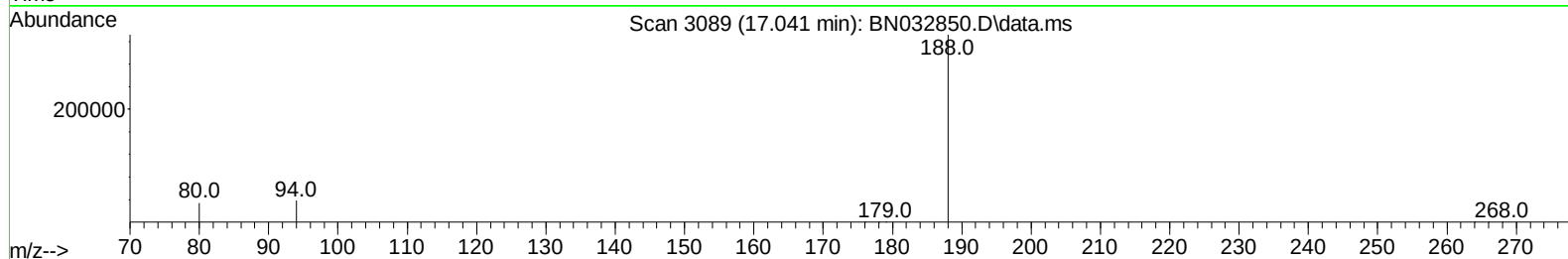
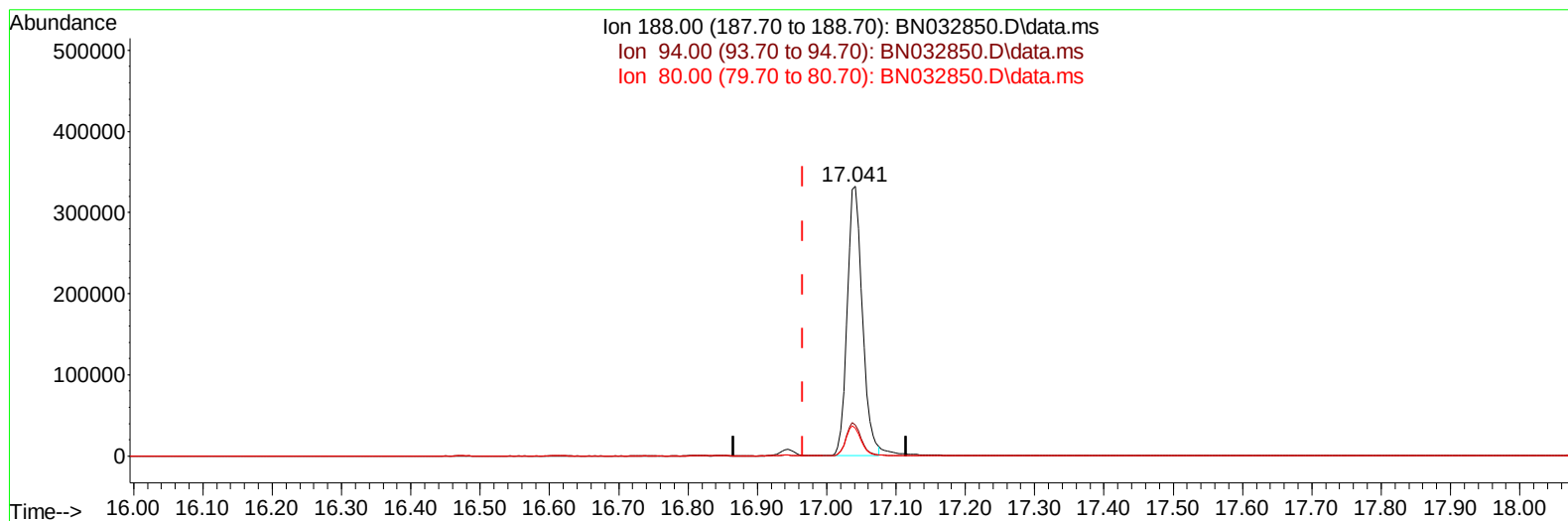
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032850.D
Acq On : 19 Jul 2024 20:38
Operator : MA/JU
Sample : P3178-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT7

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:26 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 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



TIC: BN032850.D\data.ms

(13) Phenanthrene-d10 (I)

17.041min (+ 0.076) 0.40 ng/u1

response 504740

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	11.47
80.00	12.00	10.24
0.00	0.00	0.00

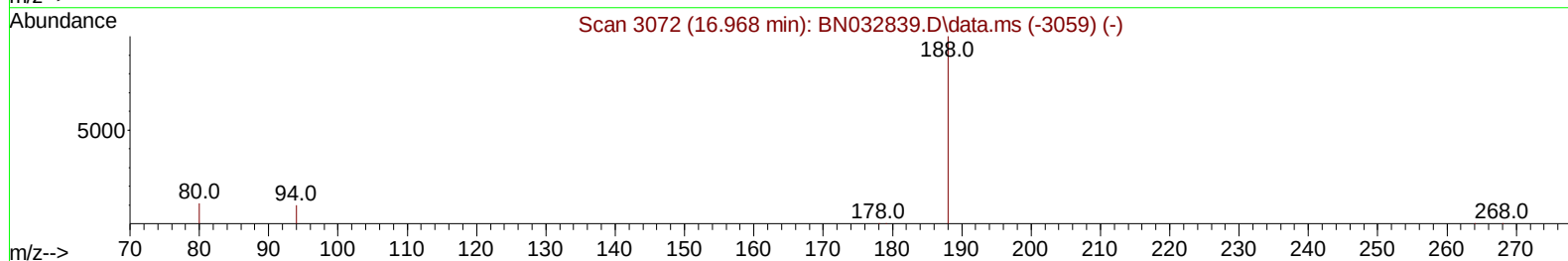
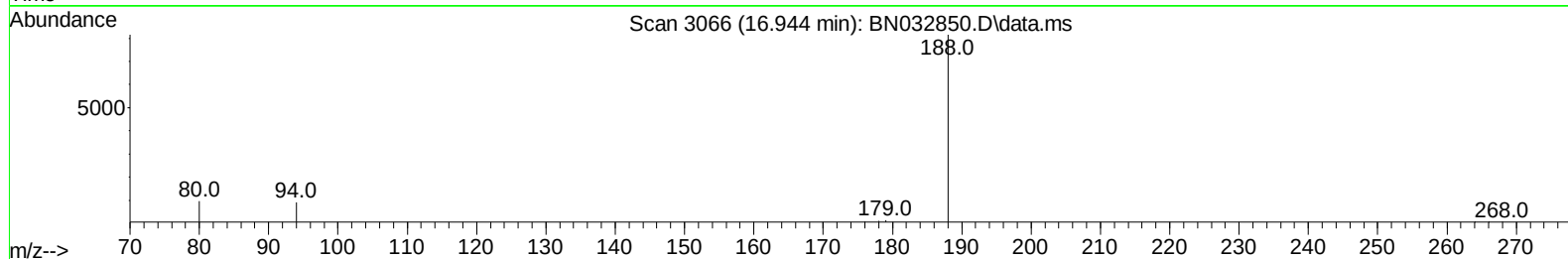
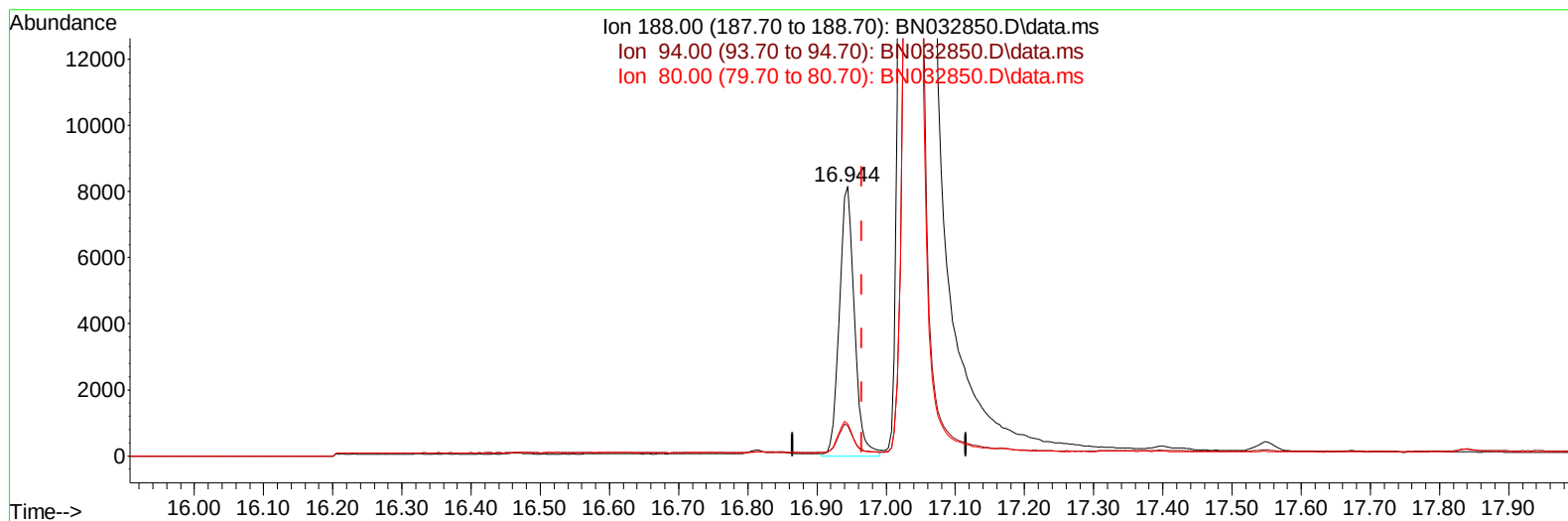
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032850.D
Acq On : 19 Jul 2024 20:38
Operator : MA/JU
Sample : P3178-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT7

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:26 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 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



TIC: BN032850.D\data.ms

(13) Phenanthrene-d10 (I)

16.944min (-0.021) 0.40 ng/ul m

response 12312

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	11.23
80.00	12.00	11.81
0.00	0.00	0.00

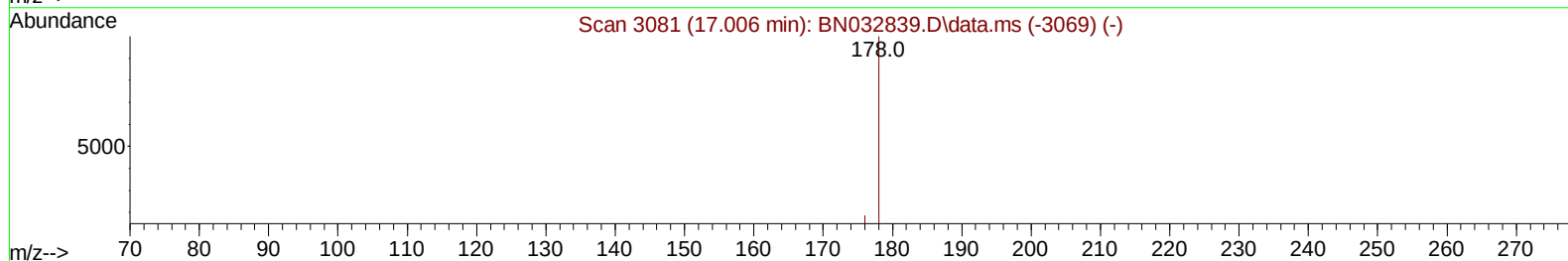
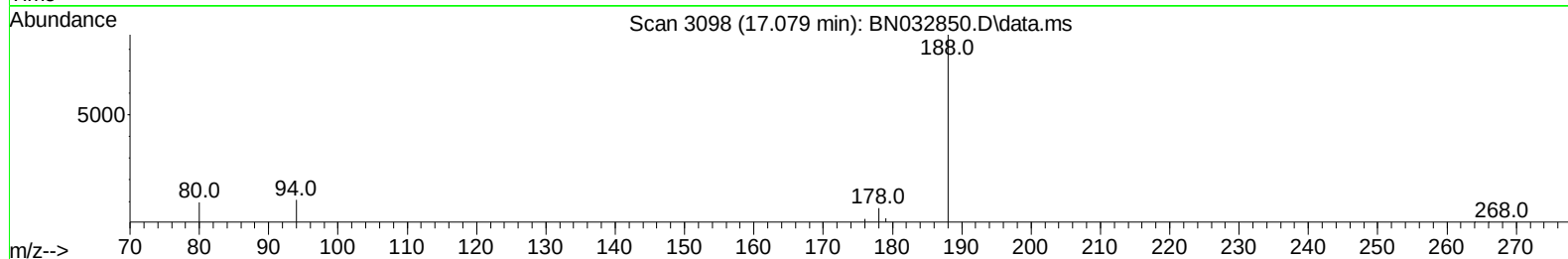
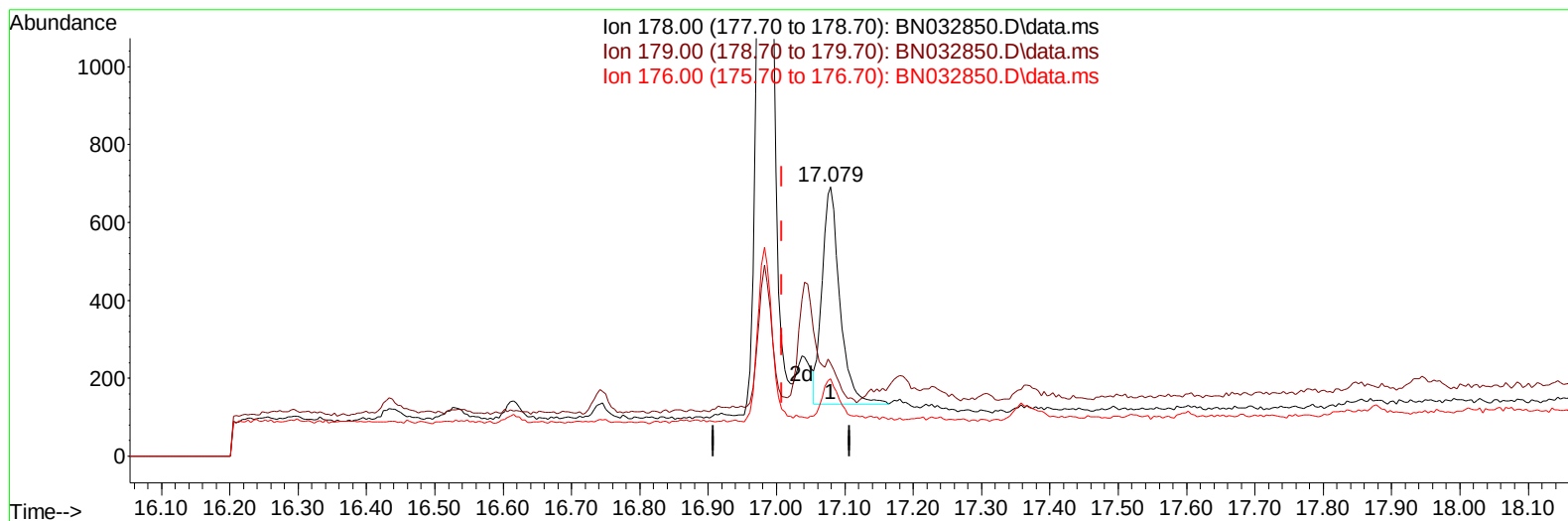
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032850.D
Acq On : 19 Jul 2024 20:38
Operator : MA/JU
Sample : P3178-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT7

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:26 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 07/20/2024
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TIC: BN032850.D\data.ms

(15) Phenanthrene

17.079min (+ 0.072) 0.03 ng/ul

response 1009

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	34.39#
176.00	19.50	28.76#
0.00	0.00	0.00

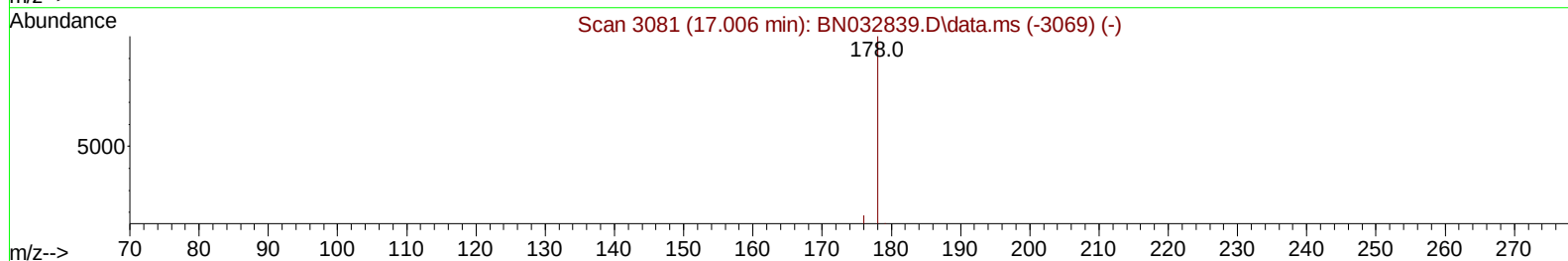
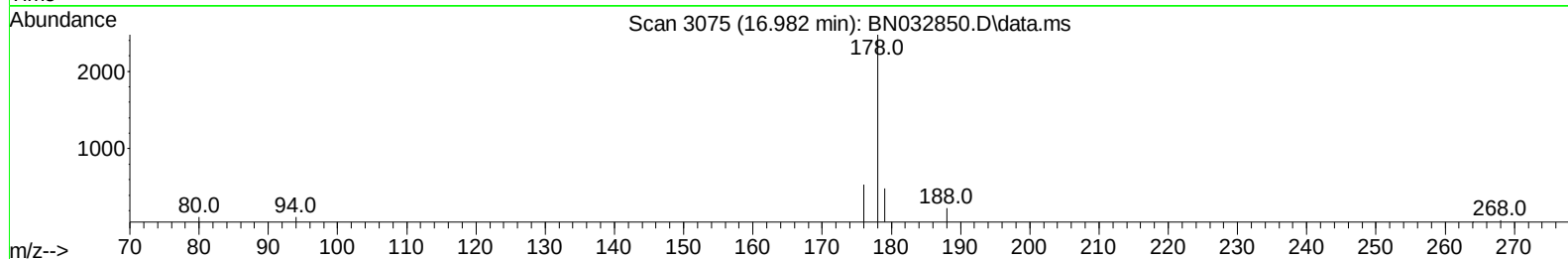
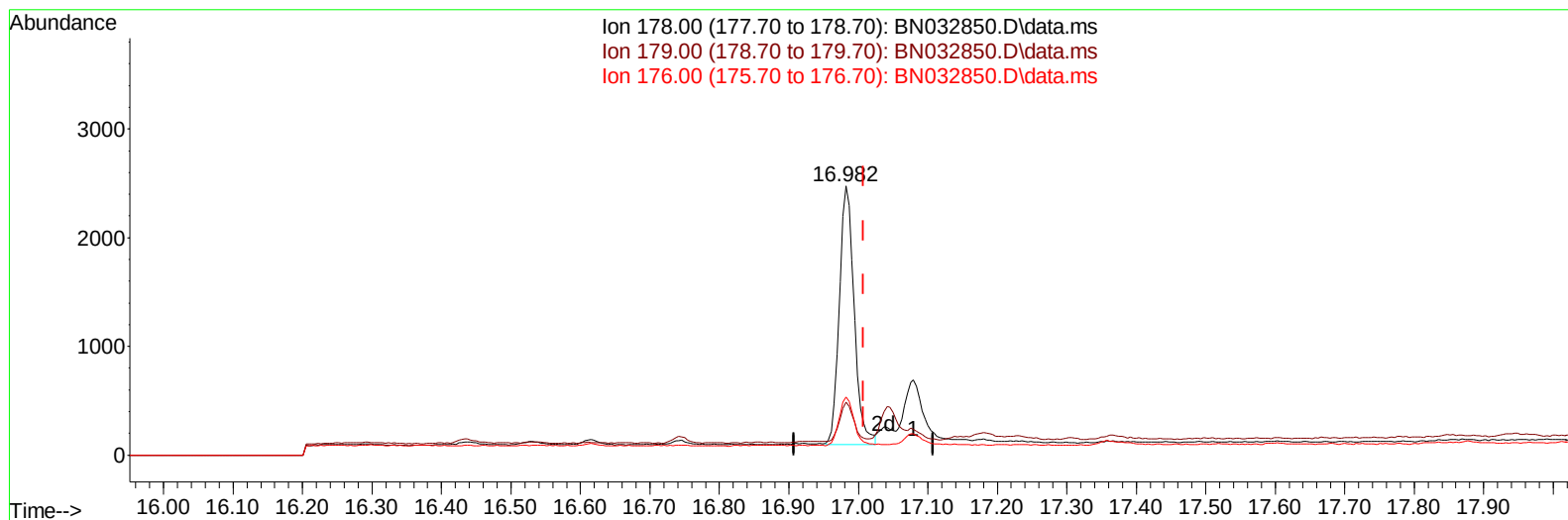
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032850.D
Acq On : 19 Jul 2024 20:38
Operator : MA/JU
Sample : P3178-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT7

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:26 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 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



TIC: BN032850.D\data.ms

(15) Phenanthrene

16.982min (-0.026) 0.10 ng/ul m

response 3516

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	19.81#
176.00	19.50	21.71
0.00	0.00	0.00

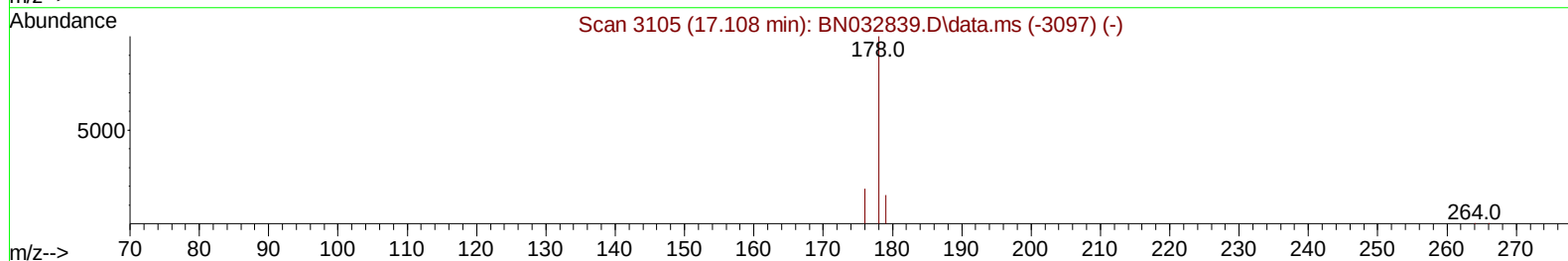
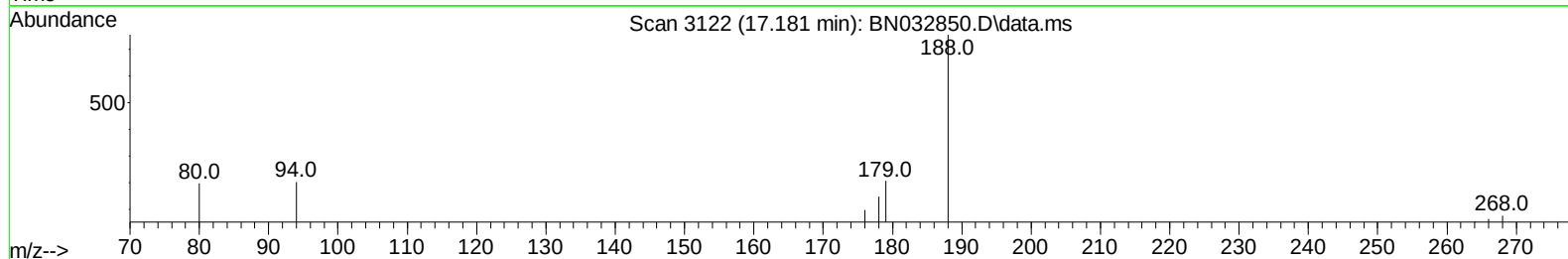
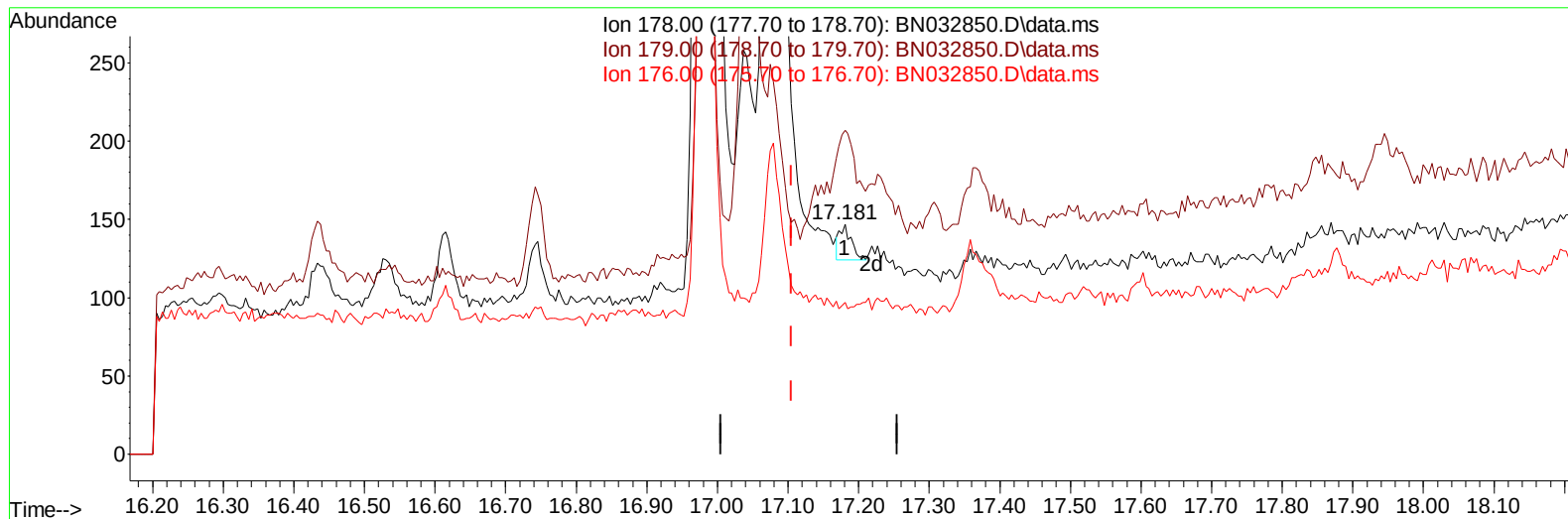
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032850.D
Acq On : 19 Jul 2024 20:38
Operator : MA/JU
Sample : P3178-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT7

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:26 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 07/20/2024
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TIC: BN032850.D\data.ms

(16) Anthracene

17.181min (+ 0.076) 0.00 ng/u1

response 27

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	140.82#
176.00	19.20	65.99#
0.00	0.00	0.00

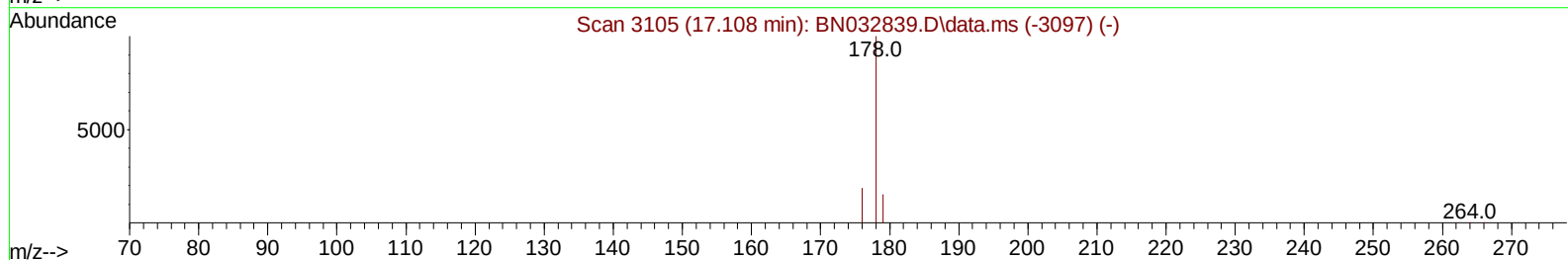
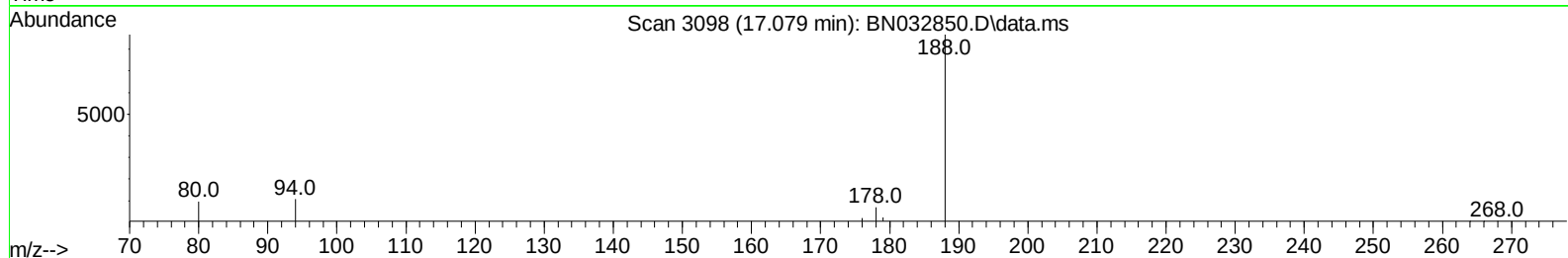
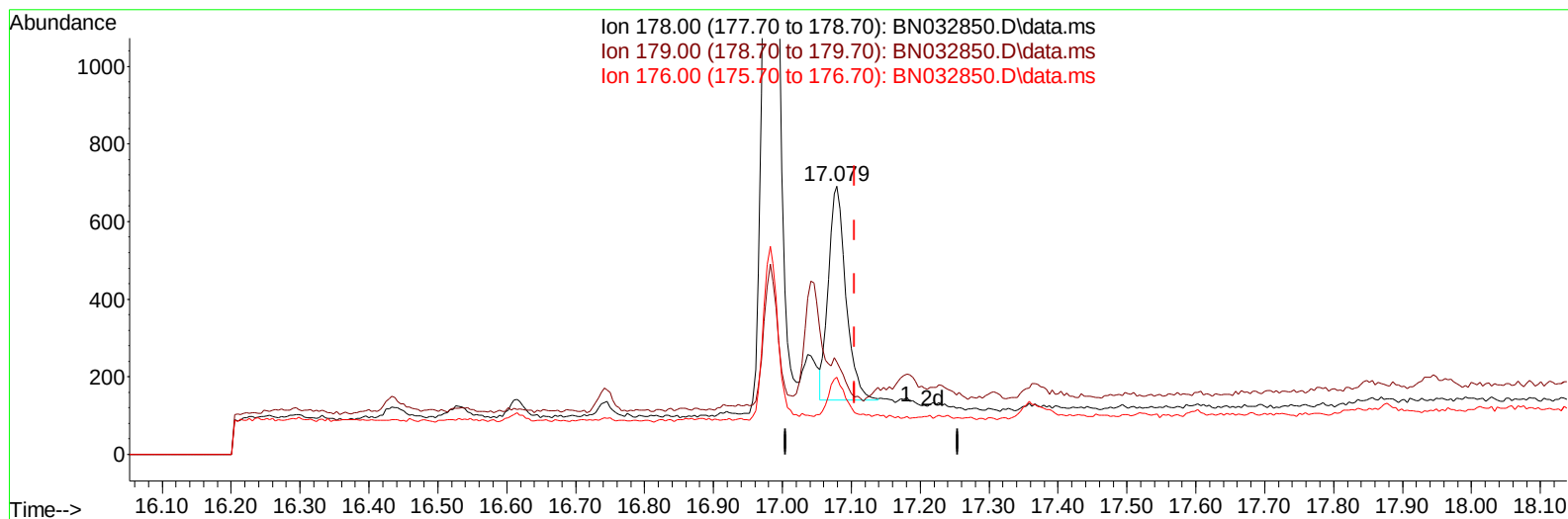
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
 Data File : BN032850.D
 Acq On : 19 Jul 2024 20:38
 Operator : MA/JU
 Sample : P3178-12
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4BT7

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:26 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 07/20/2024
 Supervised By :mohammad ahmed 07/22/2024



TIC: BN032850.D\data.ms

(16) Anthracene

17.079min (-0.025) 0.04 ng/ul m

response 967

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	34.39#
176.00	19.20	28.76#
0.00	0.00	0.00

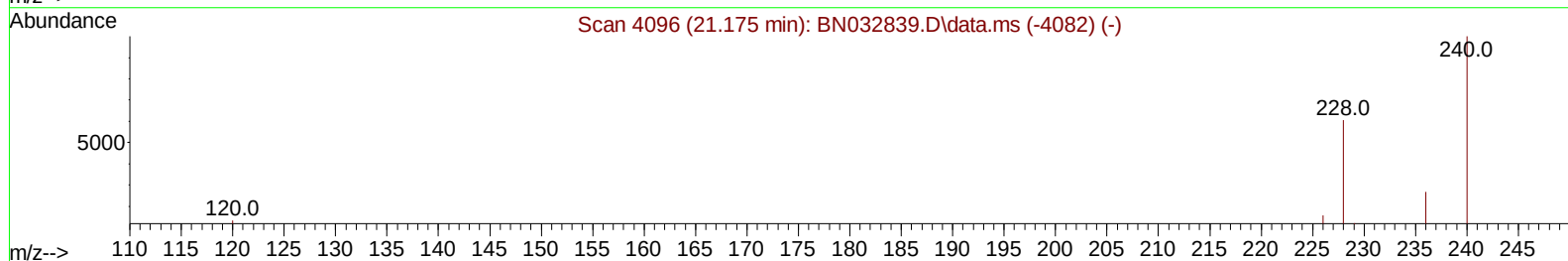
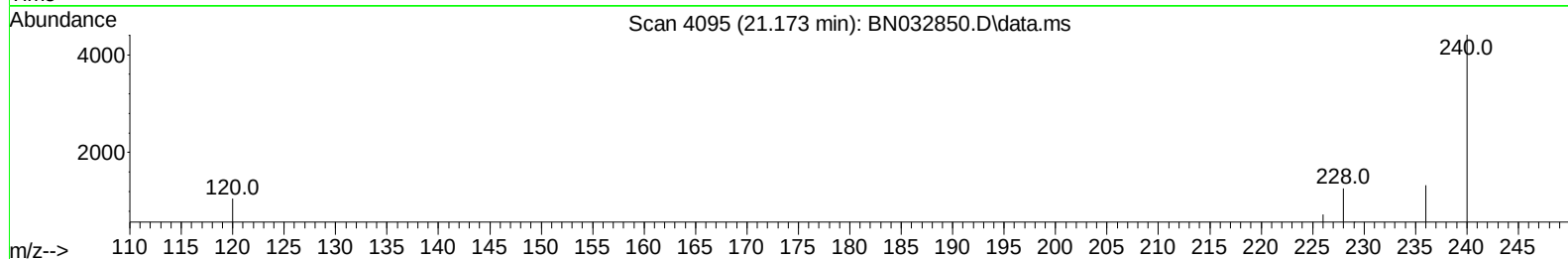
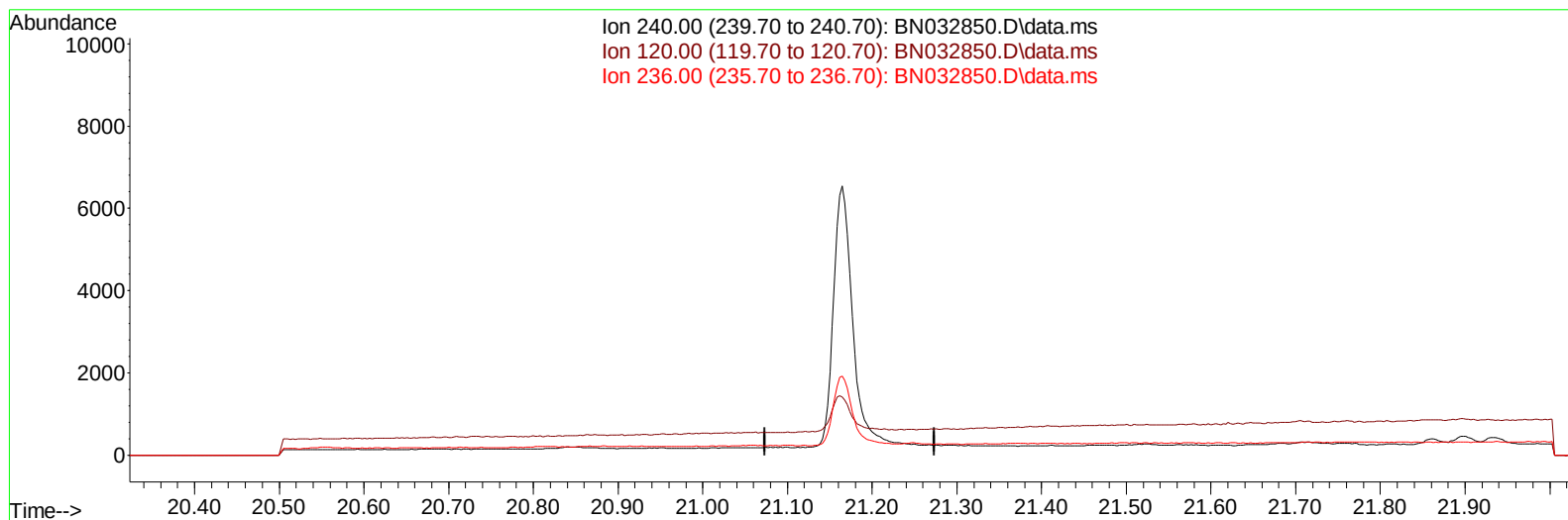
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032850.D
Acq On : 19 Jul 2024 20:38
Operator : MA/JU
Sample : P3178-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT7

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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TIC: BN032850.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

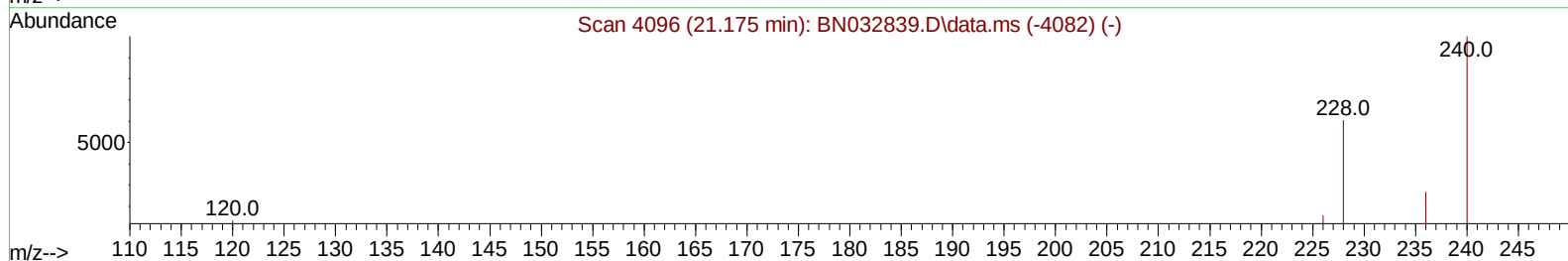
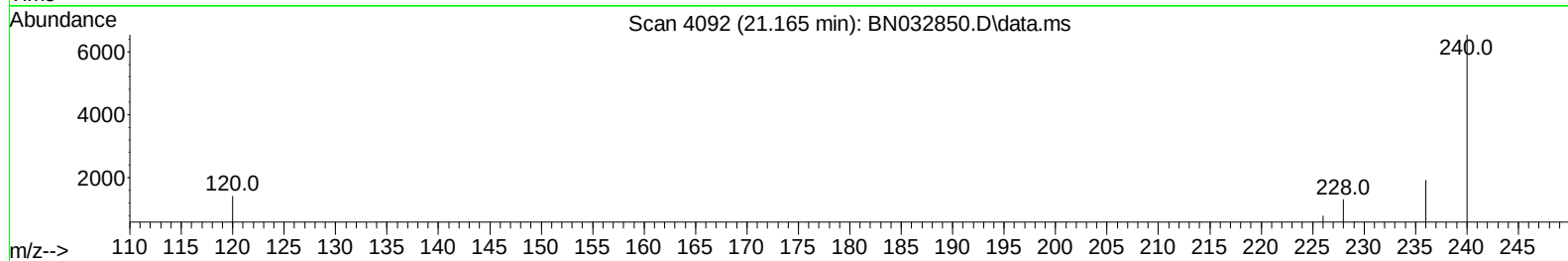
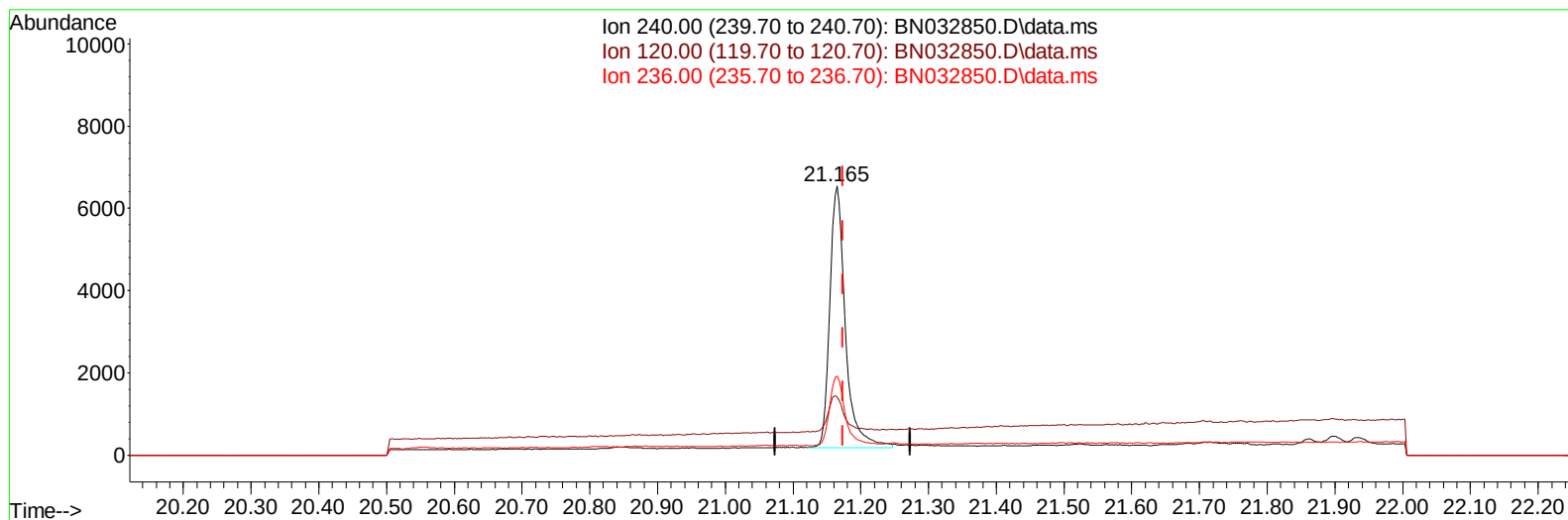
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032850.D
Acq On : 19 Jul 2024 20:38
Operator : MA/JU
Sample : P3178-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT7

Manual IntegrationsAPPROVED

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

Quant Time: Jul 19 23:20:26 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: BN032850.D\data.ms

(17) Chrysene-d12

21.165min (-0.009) 0.40 ng/ul m

response 10217

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.00	21.67#
236.00	28.40	29.44
0.00	0.00	0.00

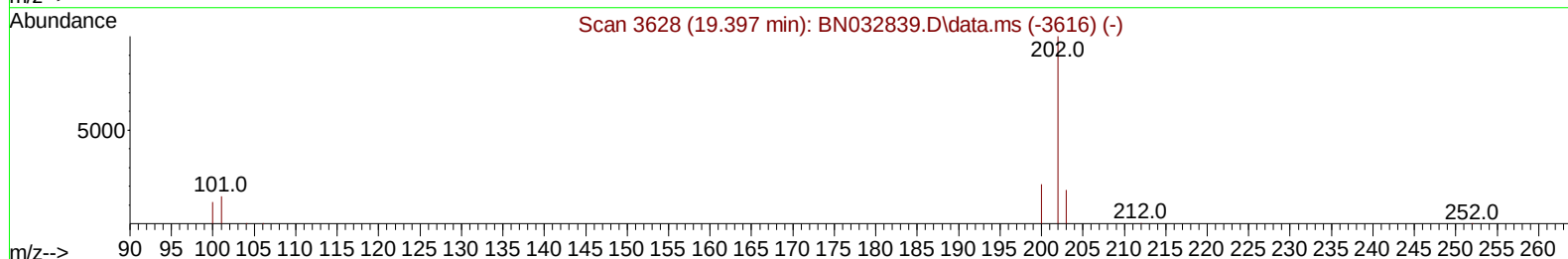
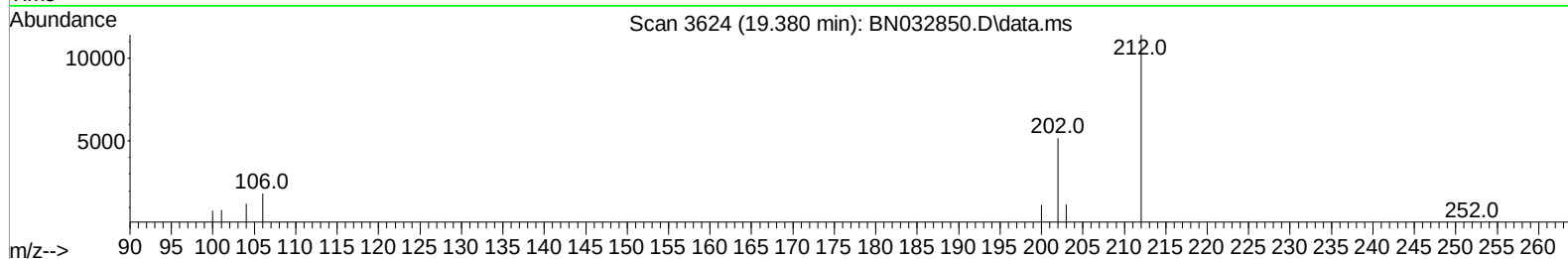
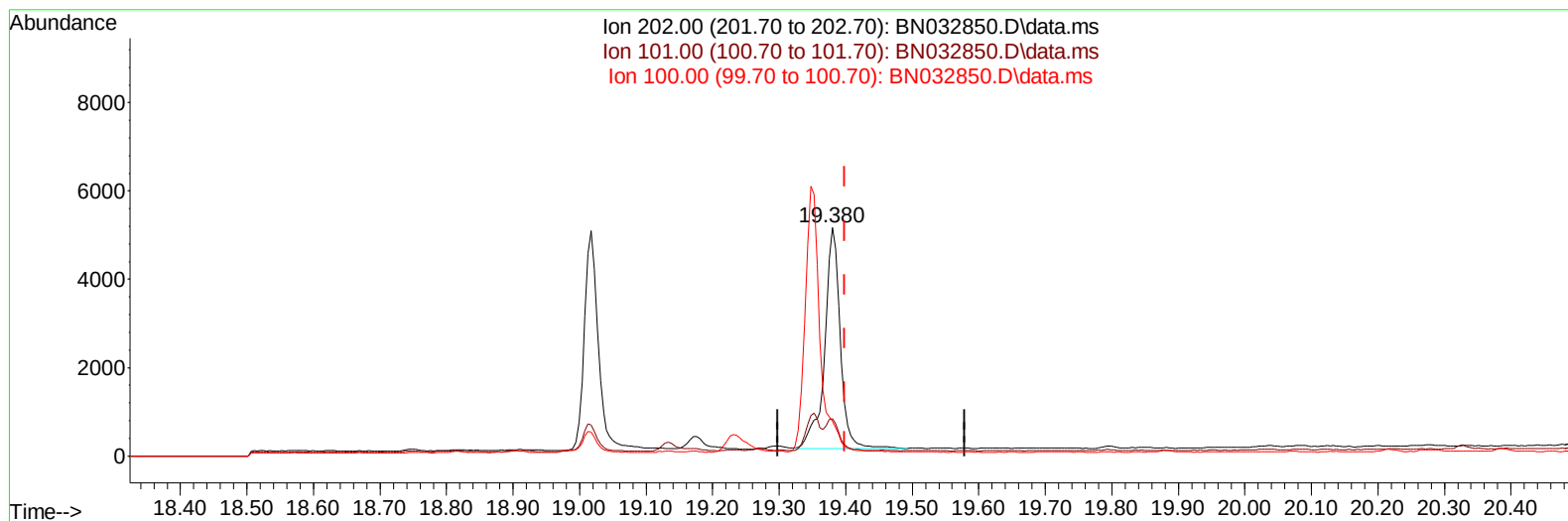
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032850.D
Acq On : 19 Jul 2024 20:38
Operator : MA/JU
Sample : P3178-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT7

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:26 2024
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TIC: BN032850.D\data.ms

(20) Pyrene

19.380min (-0.019) 0.19 ng/uL

response 8135

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	14.70	16.26
100.00	12.00	15.26#
0.00	0.00	0.00

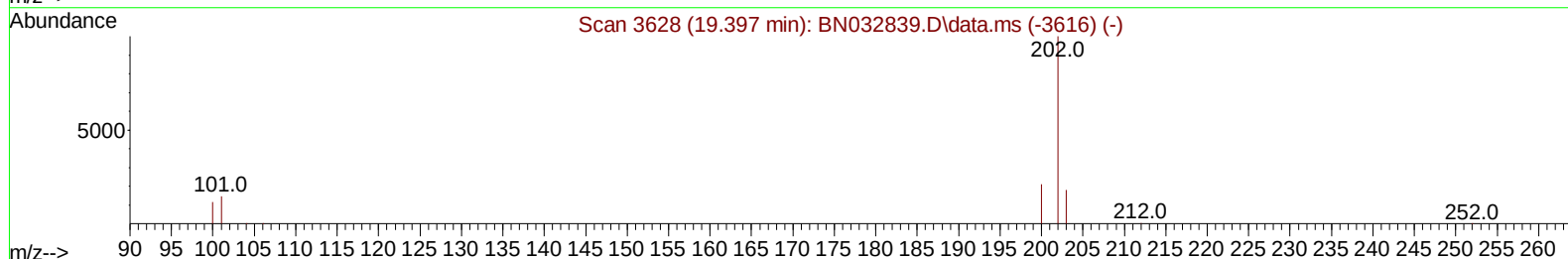
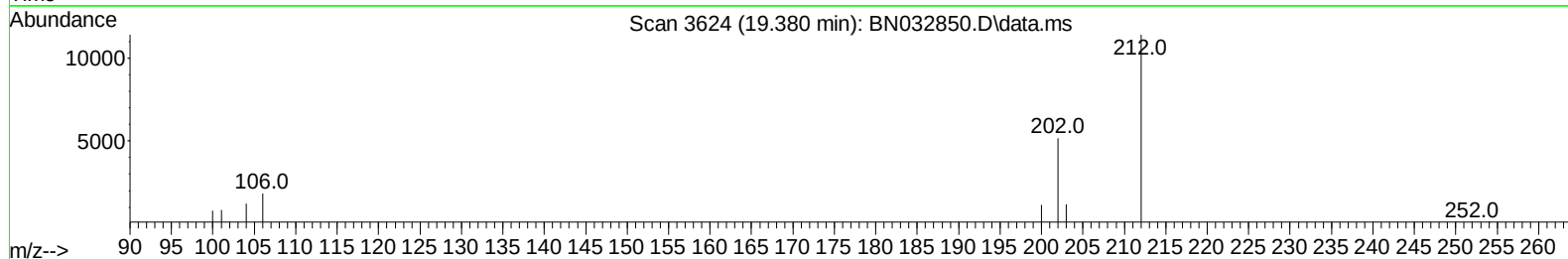
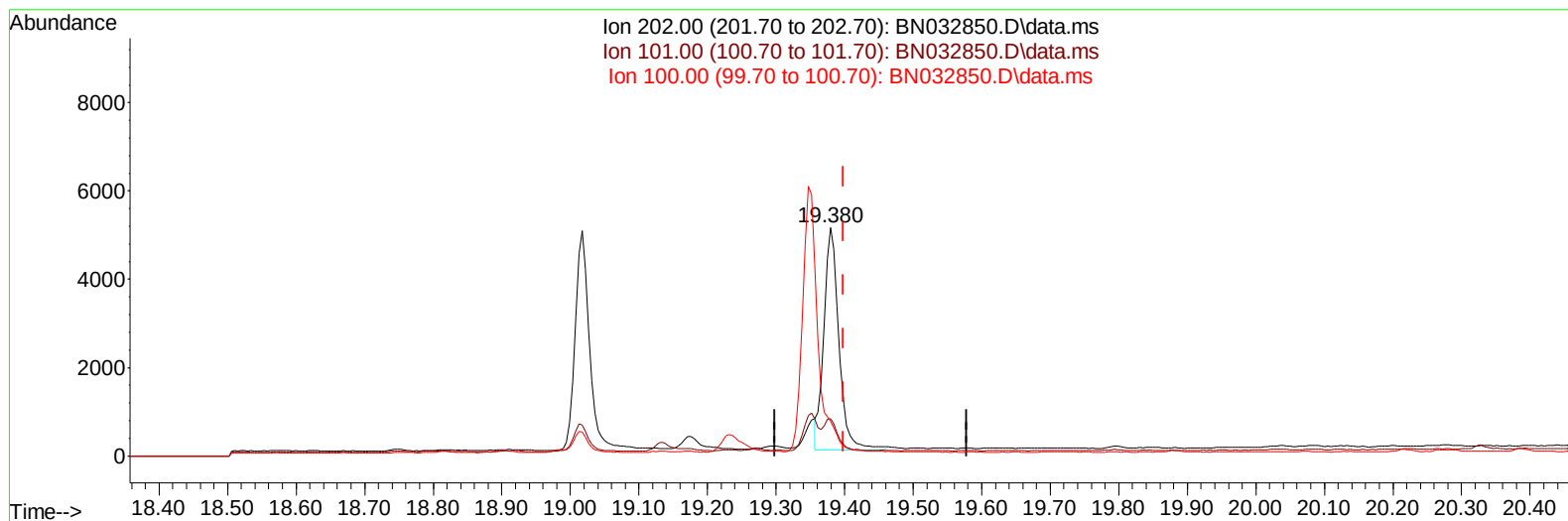
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032850.D
Acq On : 19 Jul 2024 20:38
Operator : MA/JU
Sample : P3178-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT7

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:26 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: BN032850.D\data.ms

(20) Pyrene

19.380min (-0.019) 0.18 ng/ul m

response 7605

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	14.70	16.26
100.00	12.00	15.26#
0.00	0.00	0.00

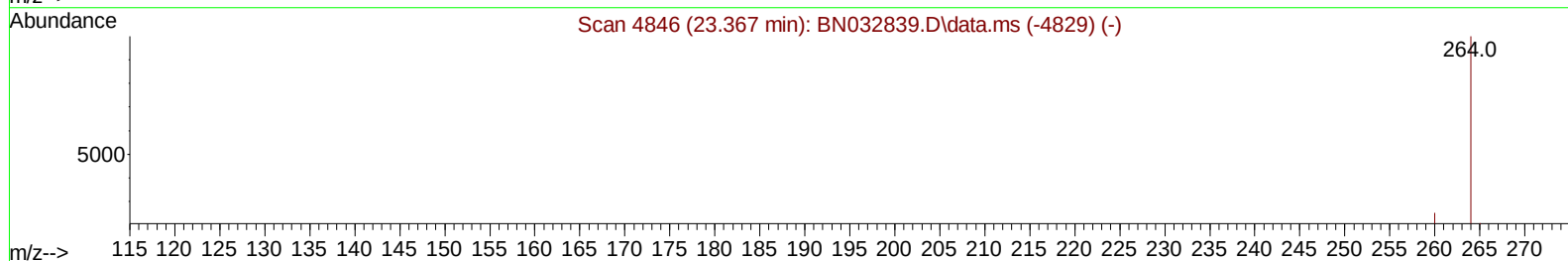
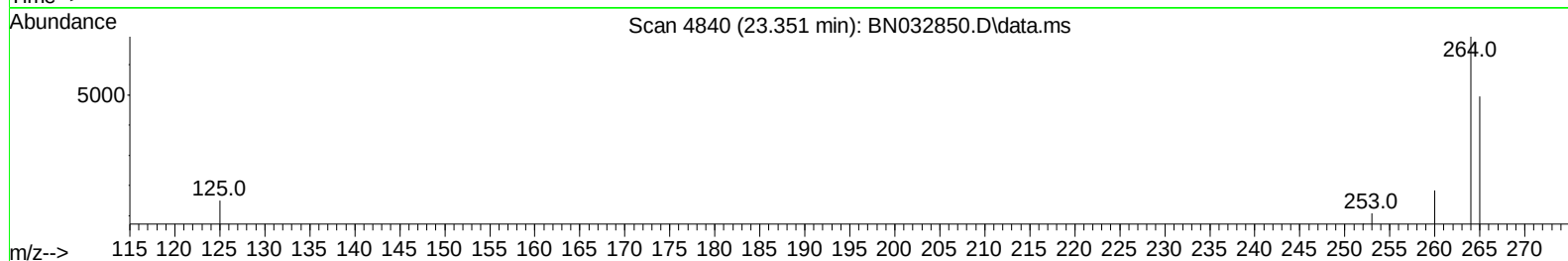
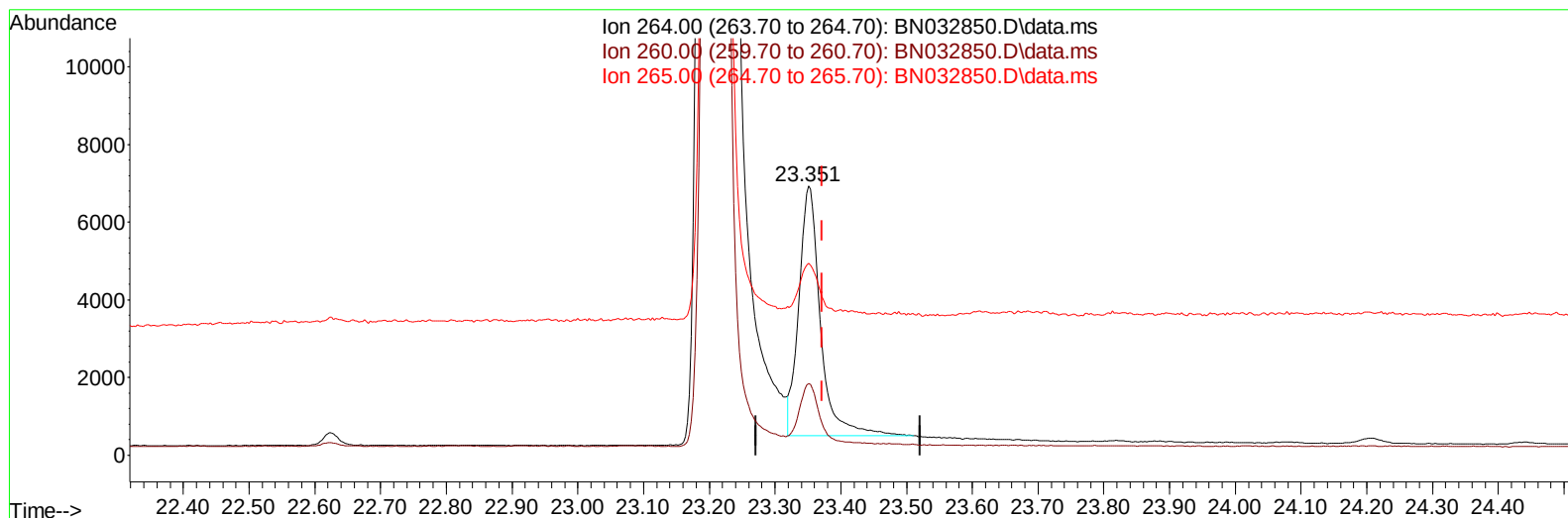
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032850.D
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Operator : MA/JU
Sample : P3178-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT7

Manual IntegrationsAPPROVED

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TIC: BN032850.D\data.ms

(23) Perylene-d12 (I)

23.351min (-0.021) 0.40 ng/u1

response 14848

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	26.47
265.00	95.50	71.44#
0.00	0.00	0.00

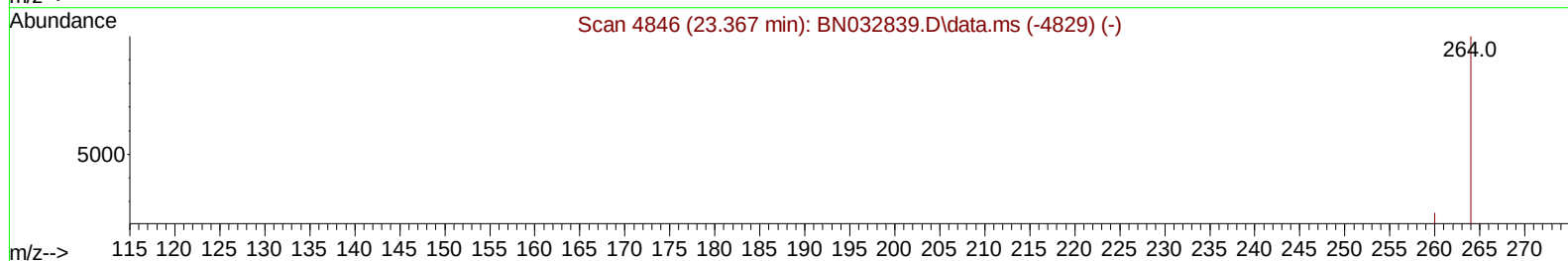
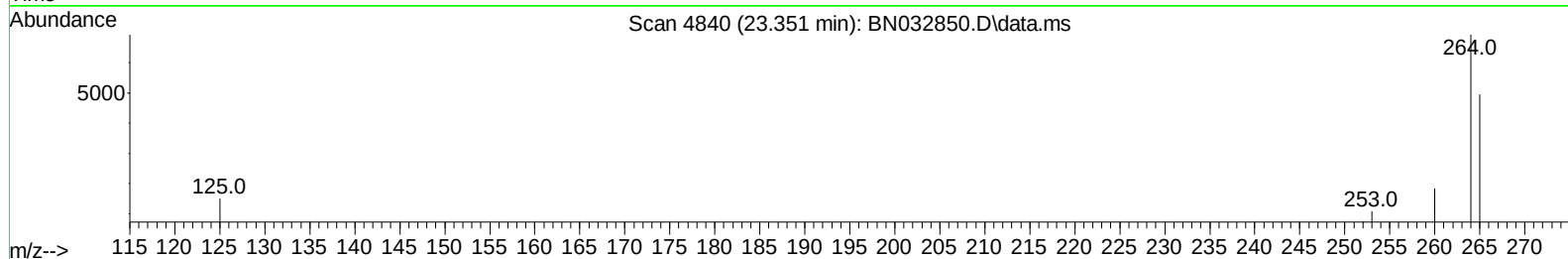
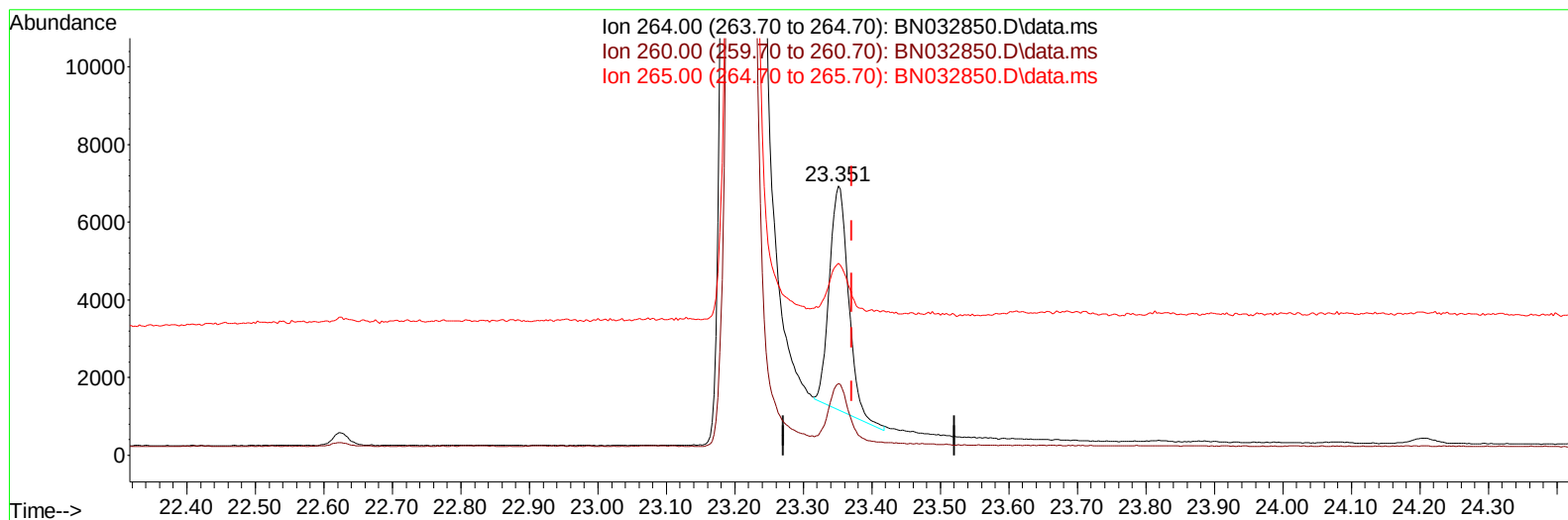
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032850.D
Acq On : 19 Jul 2024 20:38
Operator : MA/JU
Sample : P3178-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT7

Manual IntegrationsAPPROVED

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TIC: BN032850.D\data.ms

(23) Perylene-d12 (I)

23.351min (-0.021) 0.40 ng/ul m

response 11187

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	26.47
265.00	95.50	71.44#
0.00	0.00	0.00

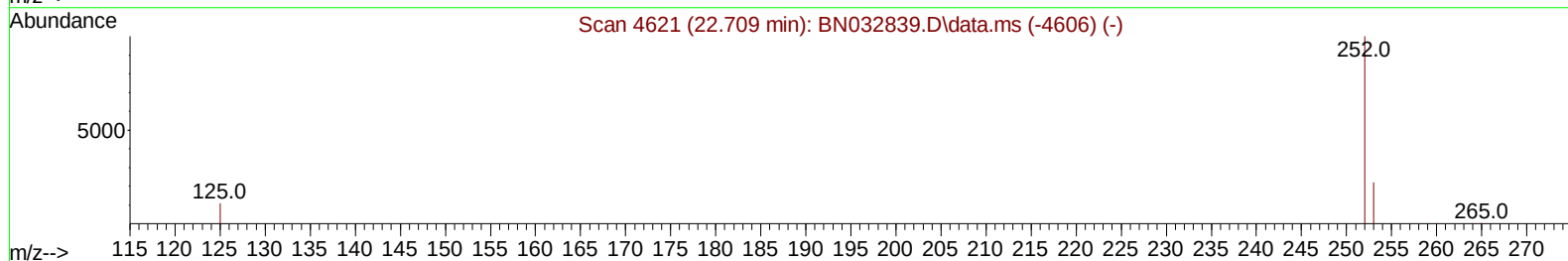
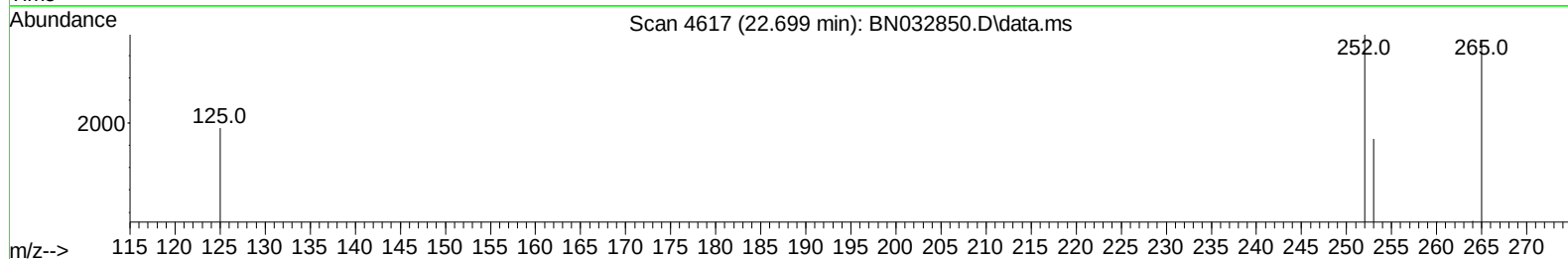
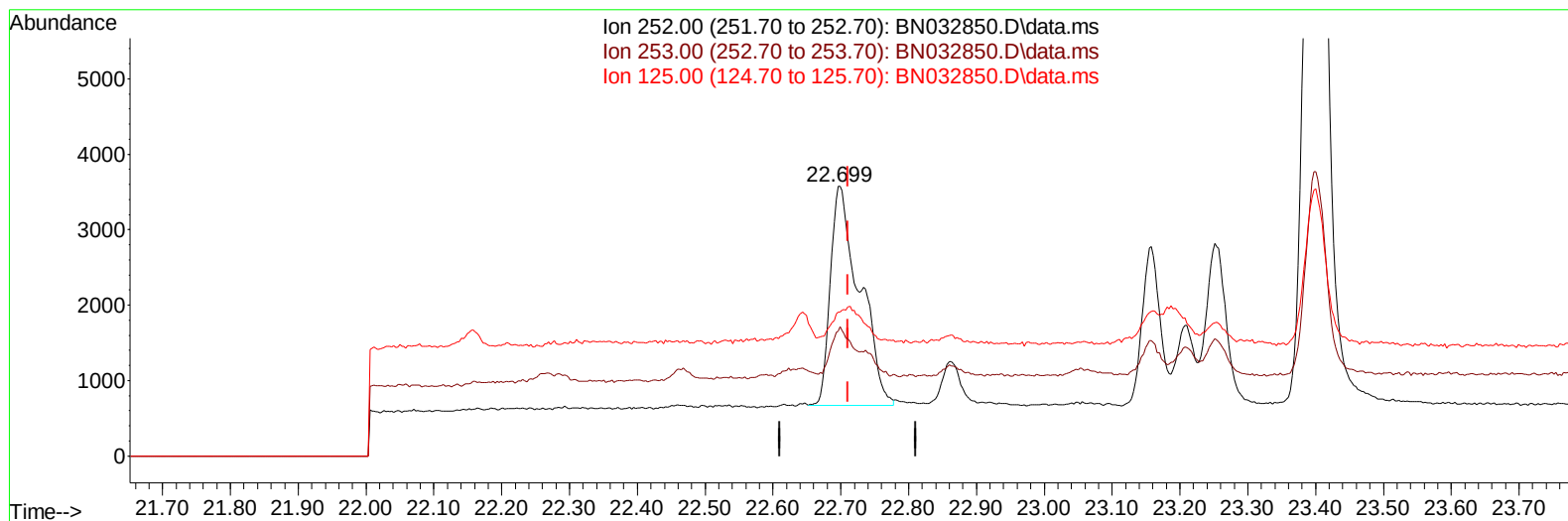
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032850.D
Acq On : 19 Jul 2024 20:38
Operator : MA/JU
Sample : P3178-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT7

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:26 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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Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



TIC: BN032850.D\data.ms

(24) Benzo(b)fluoranthene

22.699min (-0.012) 0.22 ng/u1

response 8687

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	48.00
125.00	18.00	53.37#
0.00	0.00	0.00

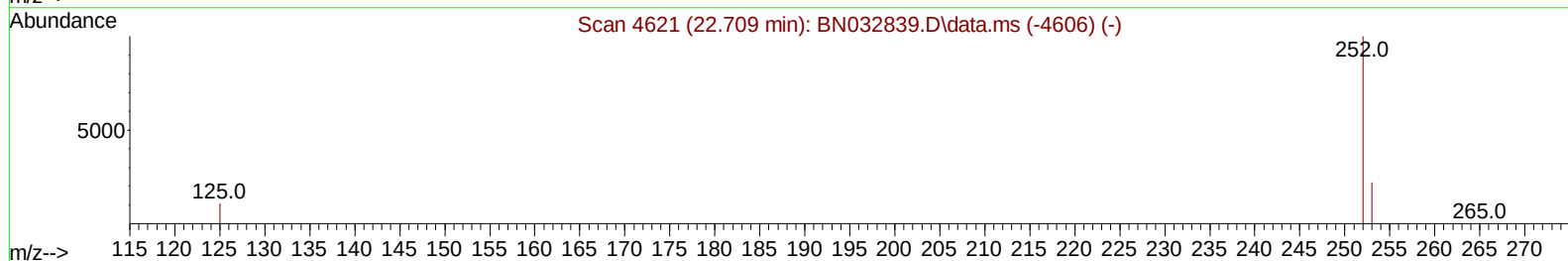
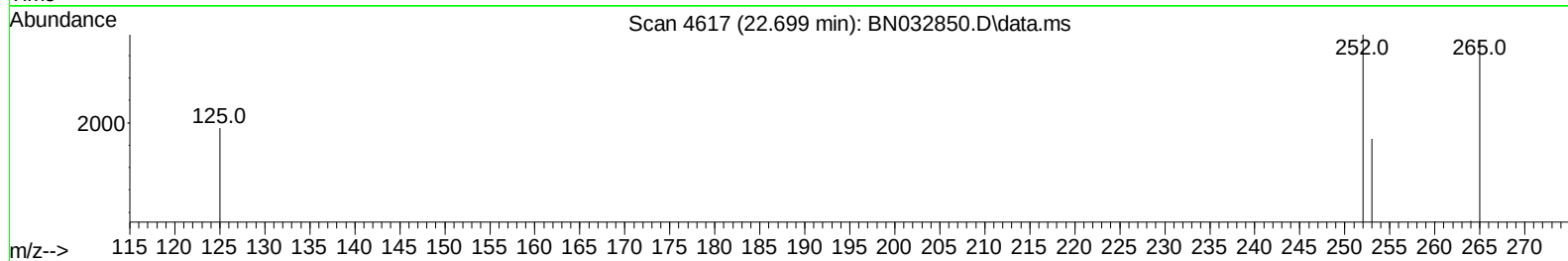
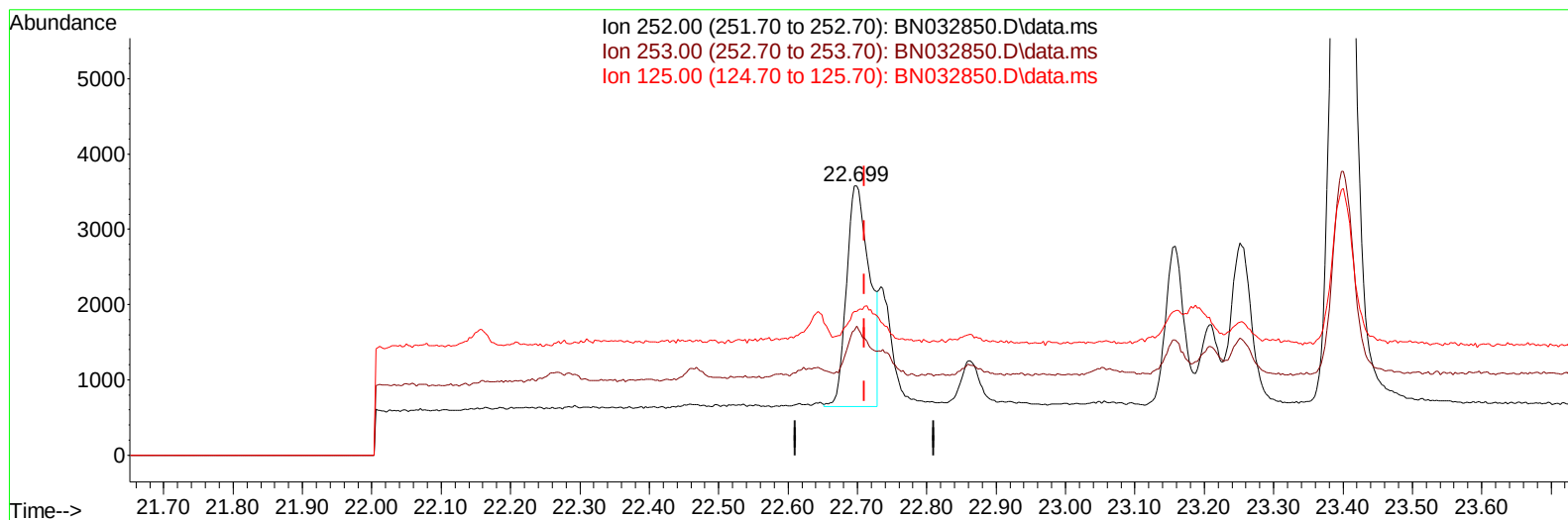
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032850.D
Acq On : 19 Jul 2024 20:38
Operator : MA/JU
Sample : P3178-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT7

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:26 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 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



TIC: BN032850.D\data.ms

(24) Benzo(b)fluoranthene

22.699min (-0.012) 0.17 ng/ul m

response 6726

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	48.00
125.00	18.00	53.37#
0.00	0.00	0.00

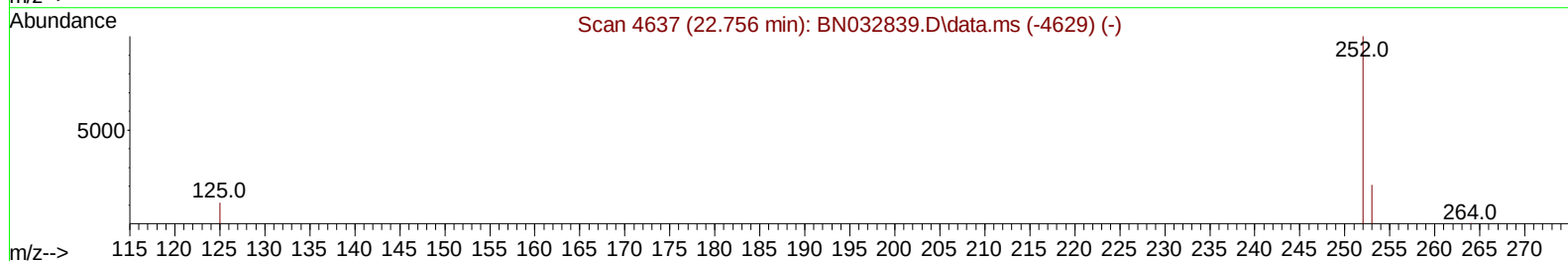
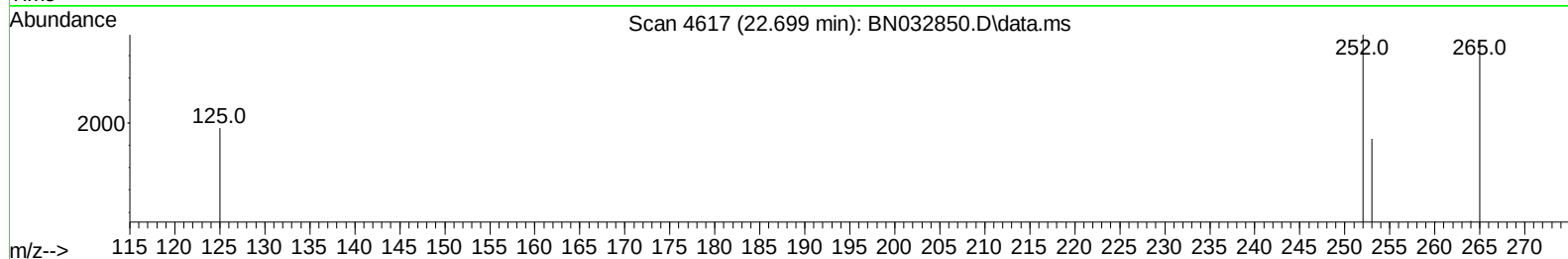
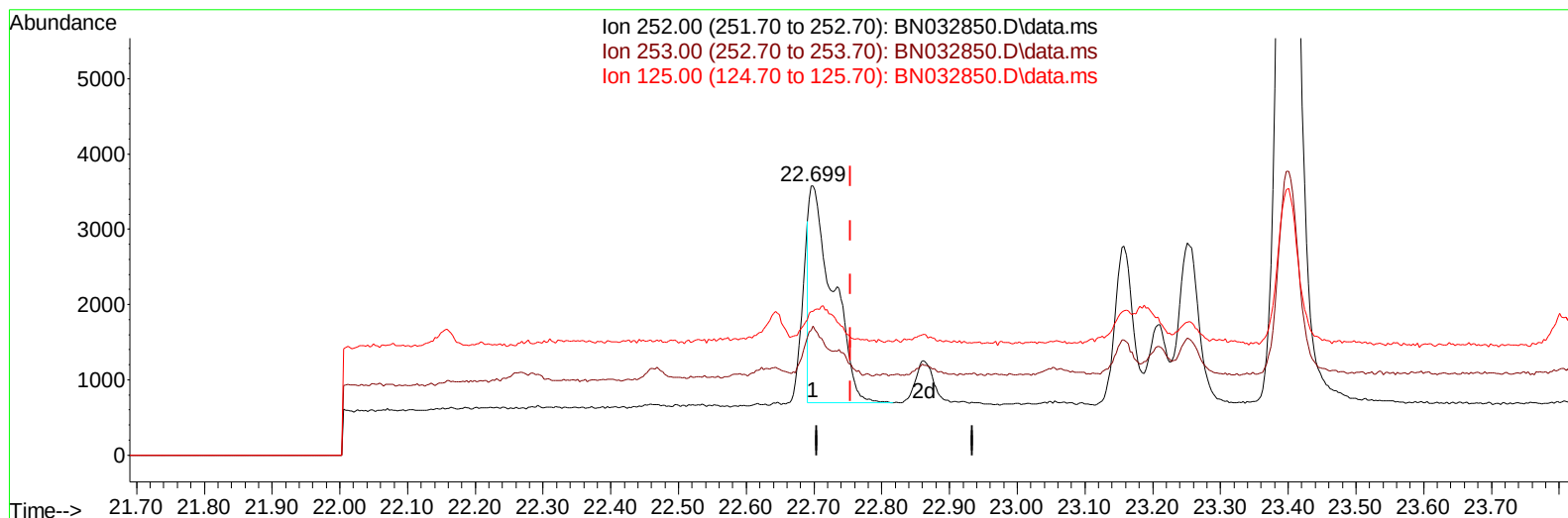
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032850.D
Acq On : 19 Jul 2024 20:38
Operator : MA/JU
Sample : P3178-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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TIC: BN032850.D\data.ms

(25) Benzo(k)fluoranthene

22.699min (-0.056) 0.15 ng/u1

response 7011

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	48.00#
125.00	18.50	53.37#
0.00	0.00	0.00

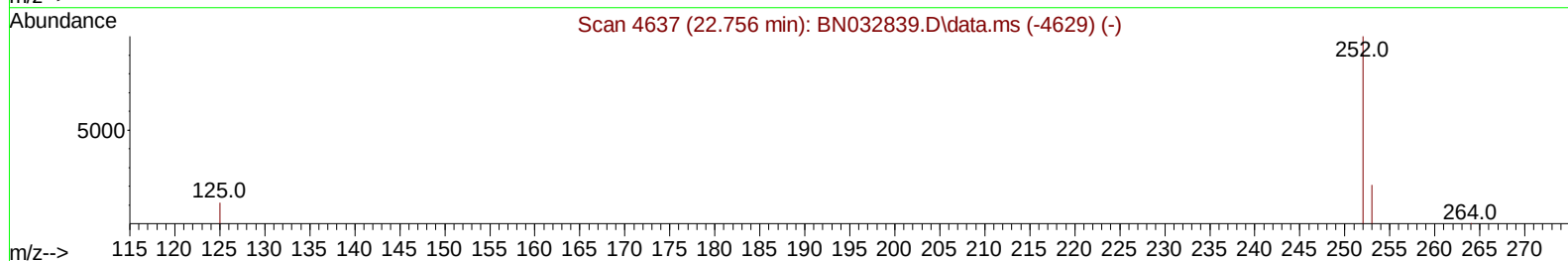
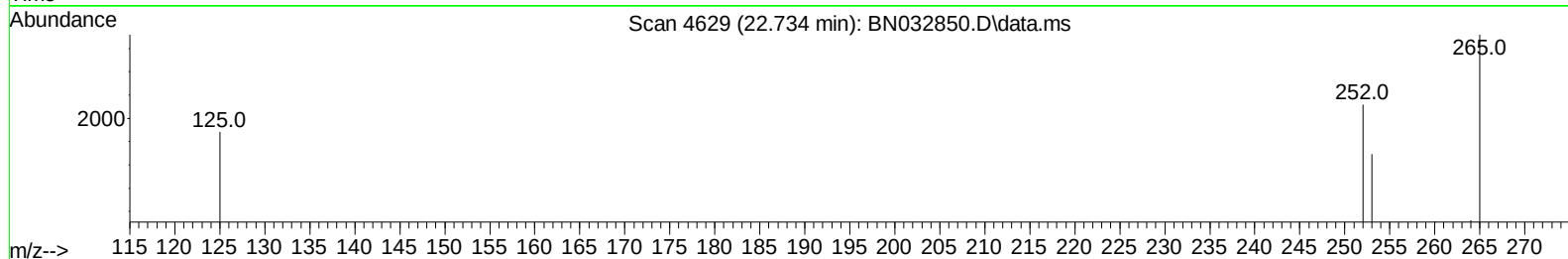
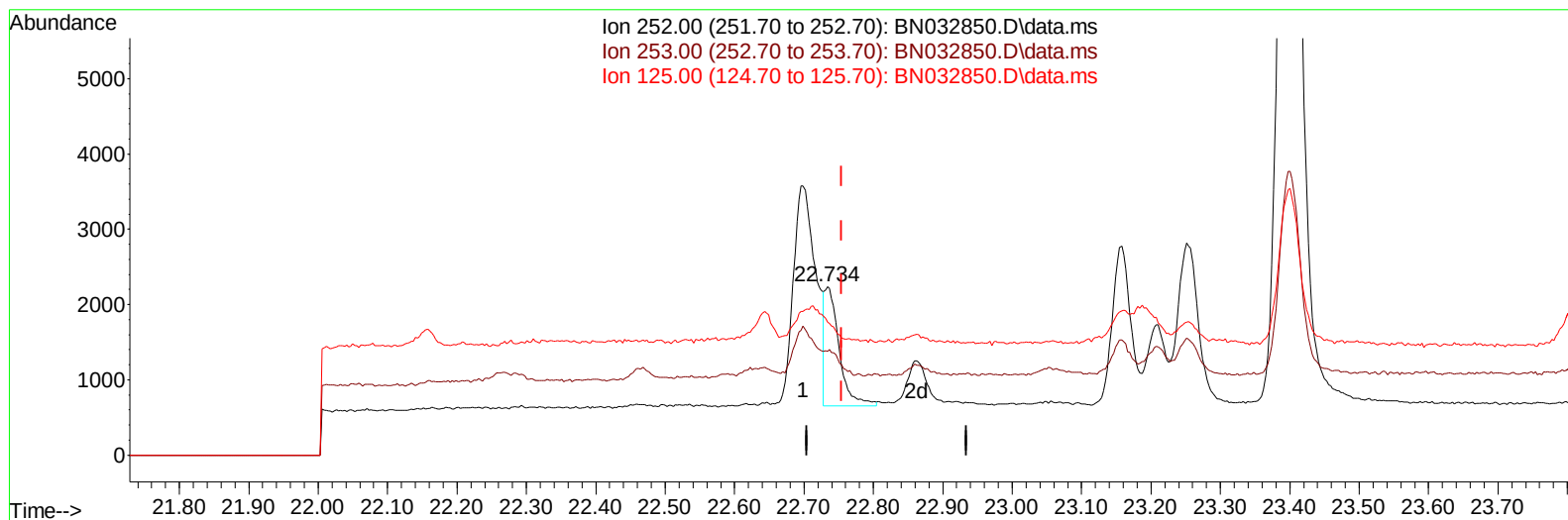
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032850.D
Acq On : 19 Jul 2024 20:38
Operator : MA/JU
Sample : P3178-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT7

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TIC: BN032850.D\data.ms

(25) Benzo(k)fluoranthene

22.734min (-0.021) 0.05 ng/ul m

response 2228

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	61.75#
125.00	18.50	79.00#
0.00	0.00	0.00

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 Acq On : 19 Jul 2024 20:38
 Operator : MA/JU
 Sample : P3178-12
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.532	152	4135	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.299	136	12870	0.400	ng/ul	-0.03
9) Acenaphthene-d10	14.179	164	6884	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.944	188	12312m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.165	240	10217m	0.400	ng/ul	0.00
23) Perylene-d12	23.351	264	11187m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.089	96	11557	2.328	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.905	152	3218	0.165	ng/ul	-0.03
18) Fluoranthene-d10	18.985	212	5716	0.172	ng/ul	-0.02
Target Compounds						
					Qvalue	
10) Acenaphthylene	13.901	152	1146	0.041	ng/ul#	75
15) Phenanthrene	16.982	178	3516m	0.105	ng/ul	
16) Anthracene	17.079	178	967m	0.035	ng/ul	
19) Fluoranthene	19.017	202	7465	0.180	ng/ul	97
20) Pyrene	19.380	202	7605m	0.177	ng/ul	
21) Benzo(a)anthracene	21.150	228	4456	0.137	ng/ul#	78
22) Chrysene	21.203	228	4315	0.092	ng/ul#	82
24) Benzo(b)fluoranthene	22.699	252	6726m	0.170	ng/ul	
25) Benzo(k)fluoranthene	22.734	252	2228m	0.046	ng/ul	
26) Benzo(a)pyrene	23.251	252	4247	0.124	ng/ul#	44
27) Indeno(1,2,3-cd)pyrene	25.569	276	3530	0.076	ng/ul#	98
29) Benzo(g,h,i)perylene	26.253	276	3725	0.096	ng/ul#	59

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

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