

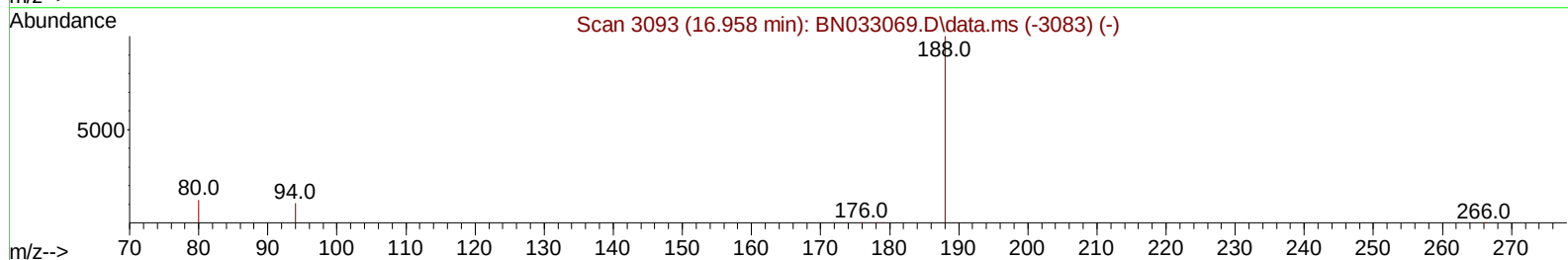
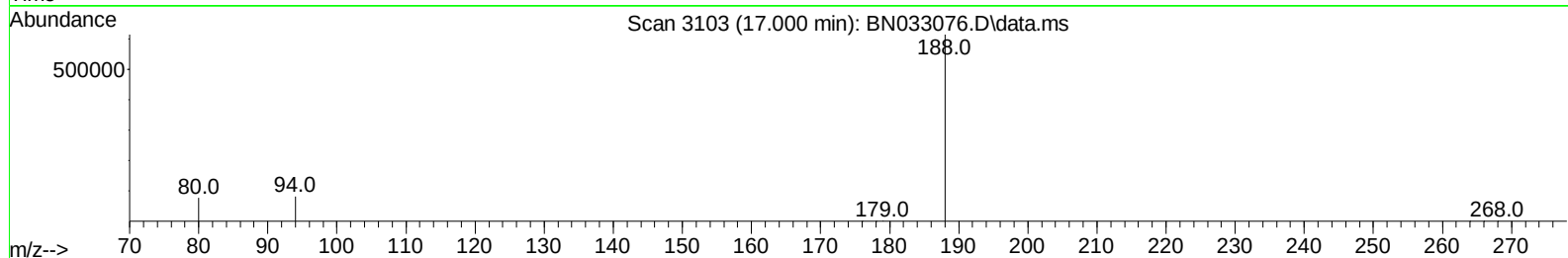
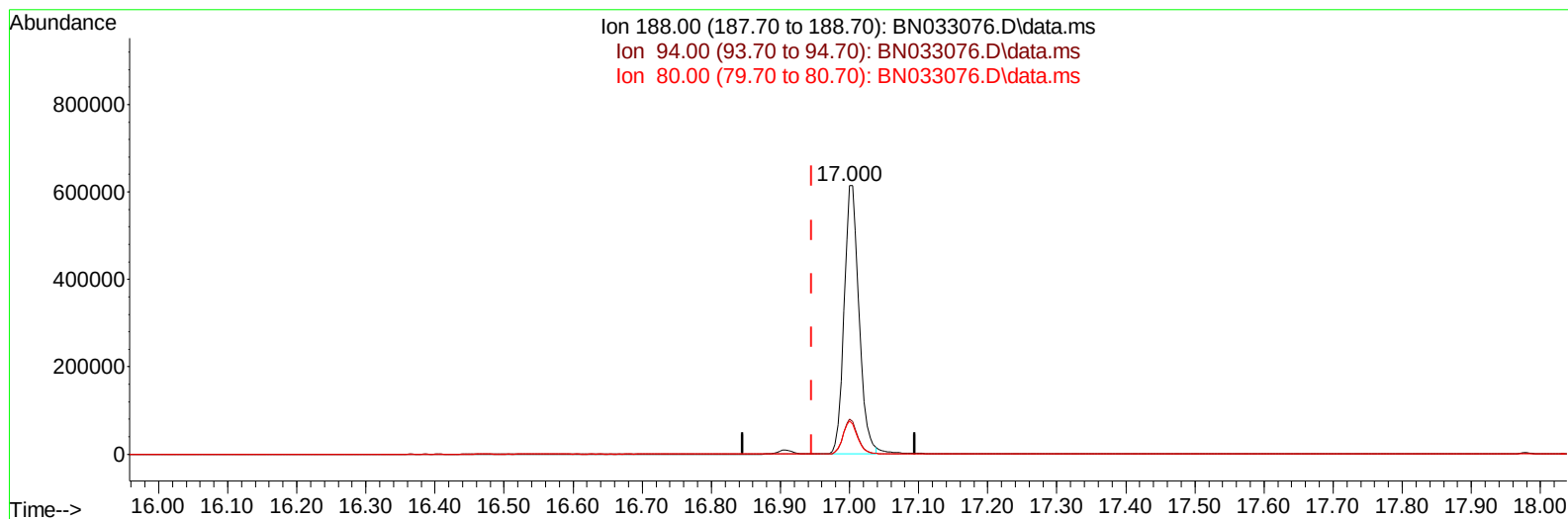
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033076.D
Acq On : 29 Jul 2024 20:14
Operator : MA/JU
Sample : P3347-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AX6

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024

Quant Time: Jul 29 23:07:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration



TIC: BN033076.D\data.ms

(13) Phenanthrene-d10 (I)

17.000min (+ 0.055) 0.40 ng/u1

response 924279

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	12.40	13.08
80.00	13.10	12.45
0.00	0.00	0.00

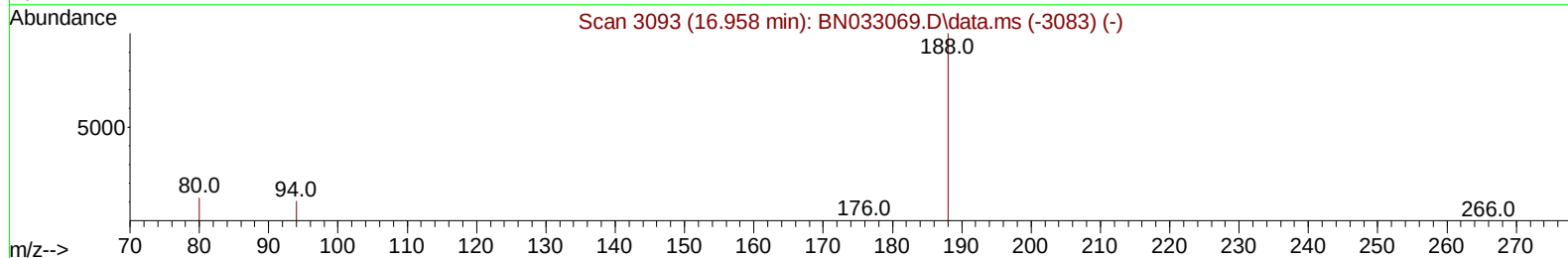
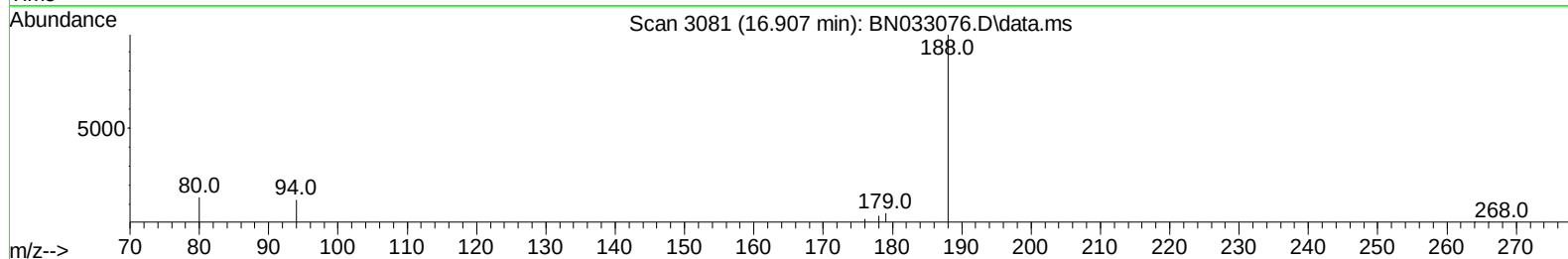
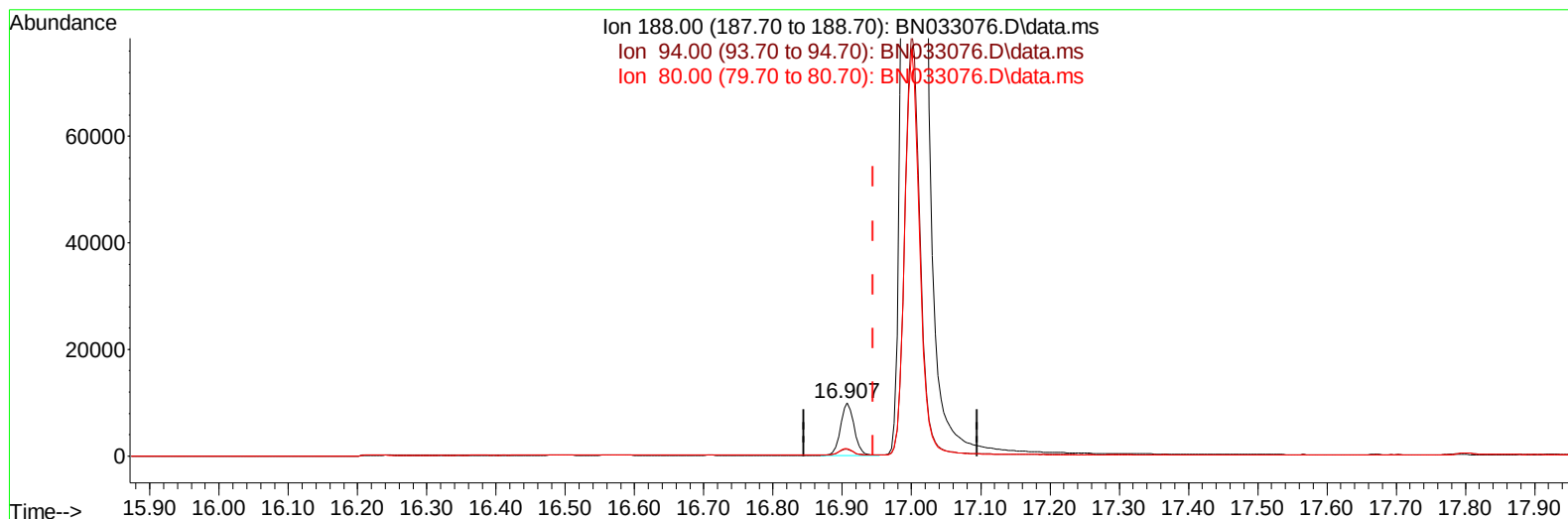
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033076.D
Acq On : 29 Jul 2024 20:14
Operator : MA/JU
Sample : P3347-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AX6

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:07:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033076.D\data.ms

(13) Phenanthrene-d10 (I)

16.907min (-0.038) 0.40 ng/ul m

response 13395

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	12.40	12.45
80.00	13.10	13.79
0.00	0.00	0.00

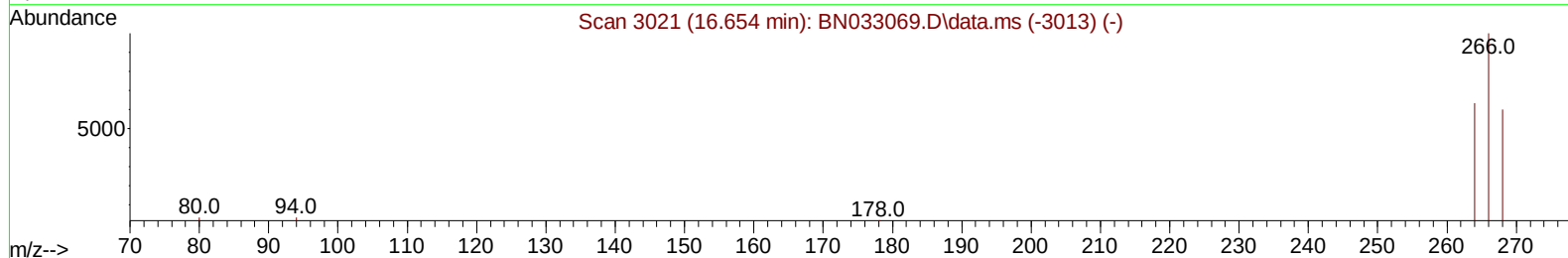
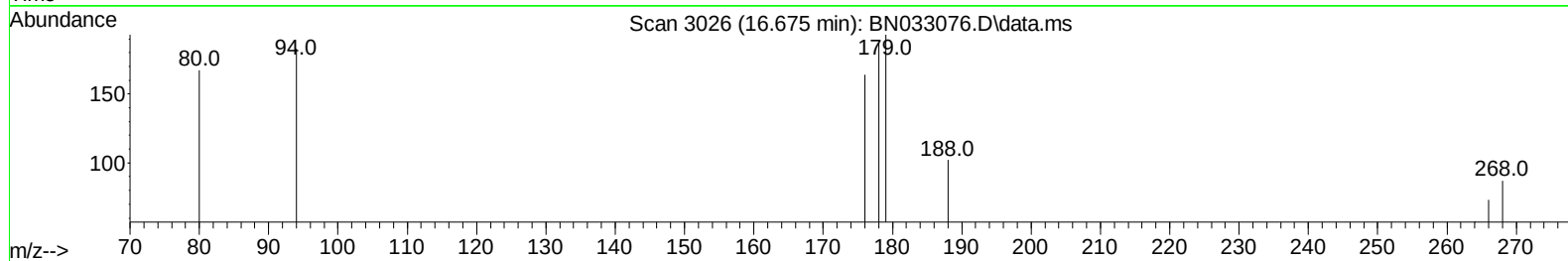
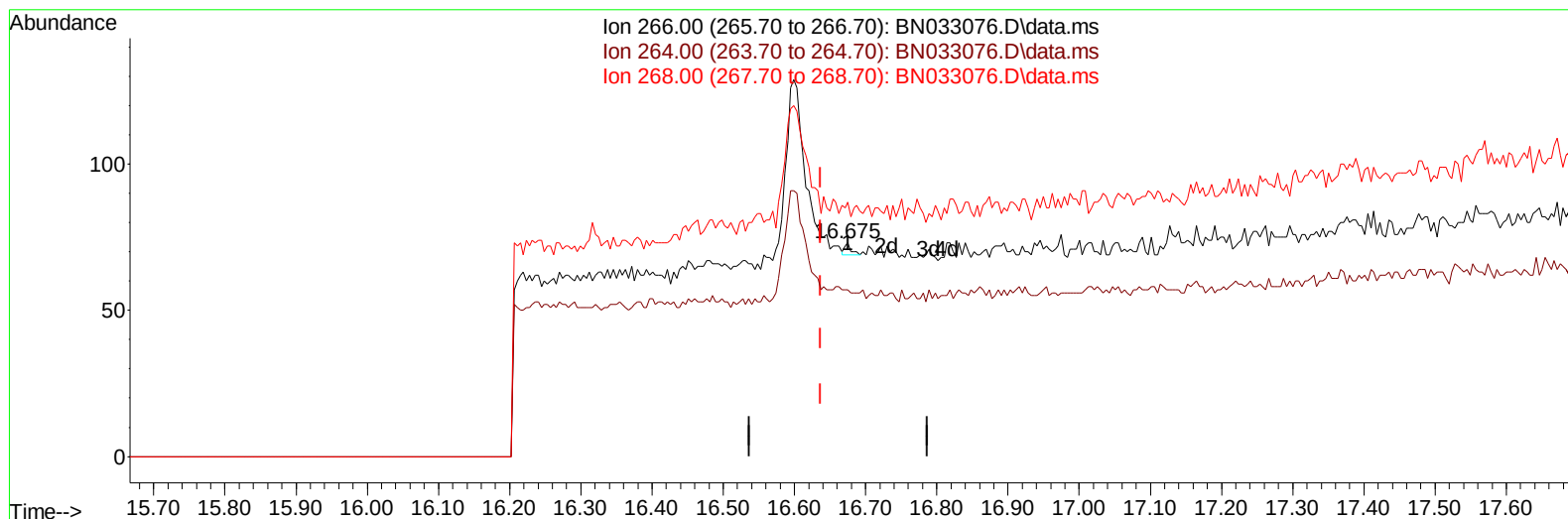
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033076.D
Acq On : 29 Jul 2024 20:14
Operator : MA/JU
Sample : P3347-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AX6

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:07:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033076.D\data.ms

(14) Pentachlorophenol

16.675min (+ 0.038) 0.00 ng/u1

response 3

Ion	Exp%	Act%
266.00	100.00	100.00
264.00	61.60	0.00#
268.00	64.80	100.00#
0.00	0.00	0.00

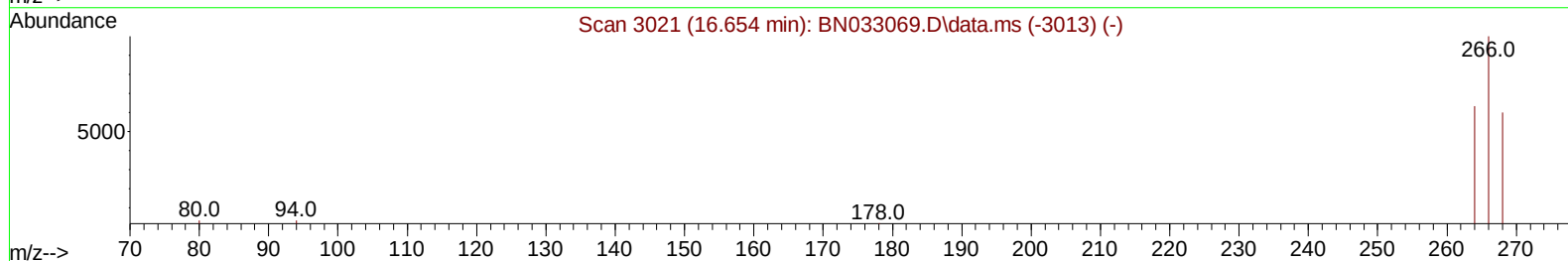
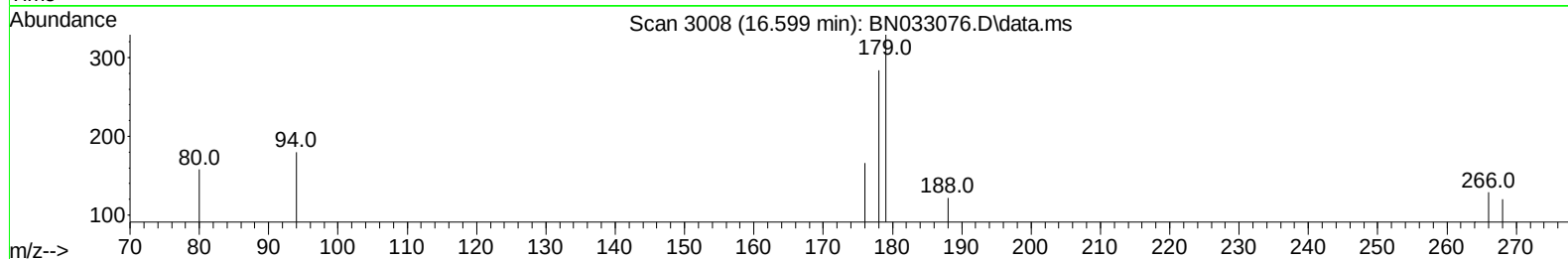
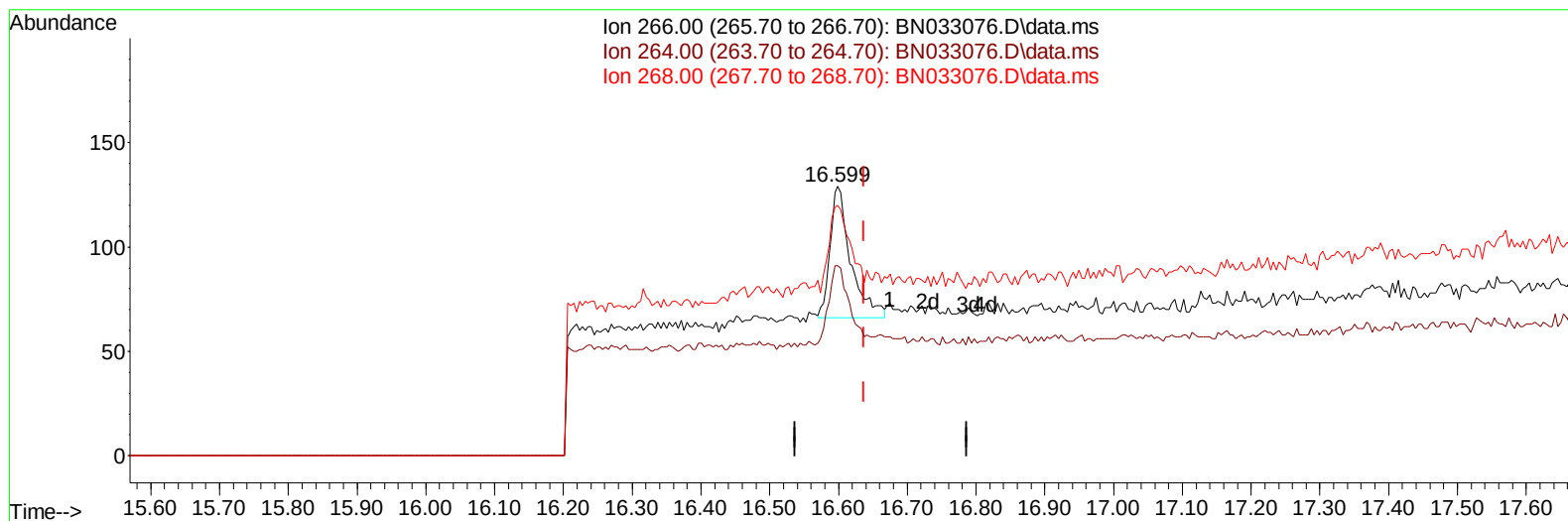
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033076.D
Acq On : 29 Jul 2024 20:14
Operator : MA/JU
Sample : P3347-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AX6

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:07:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033076.D\data.ms

(14) Pentachlorophenol

16.599min (-0.038) 0.05 ng/ul m

response 131

Ion	Exp%	Act%
266.00	100.00	100.00
264.00	61.60	0.00#
268.00	64.80	2.29#
0.00	0.00	0.00

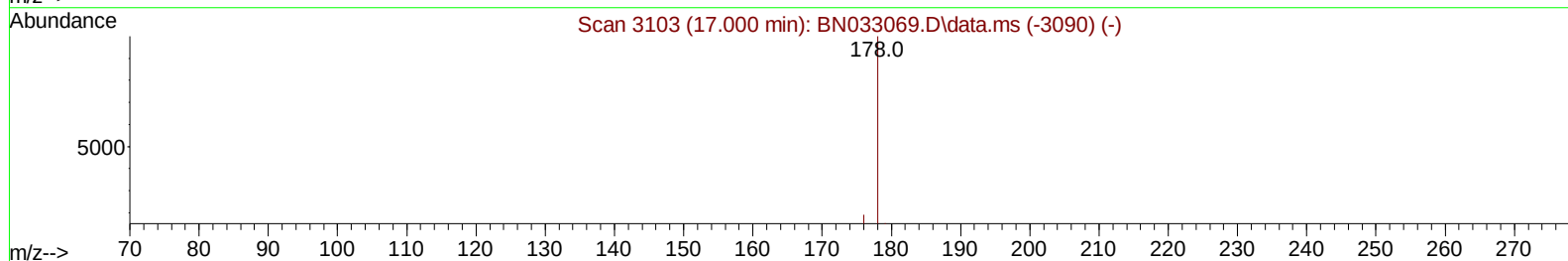
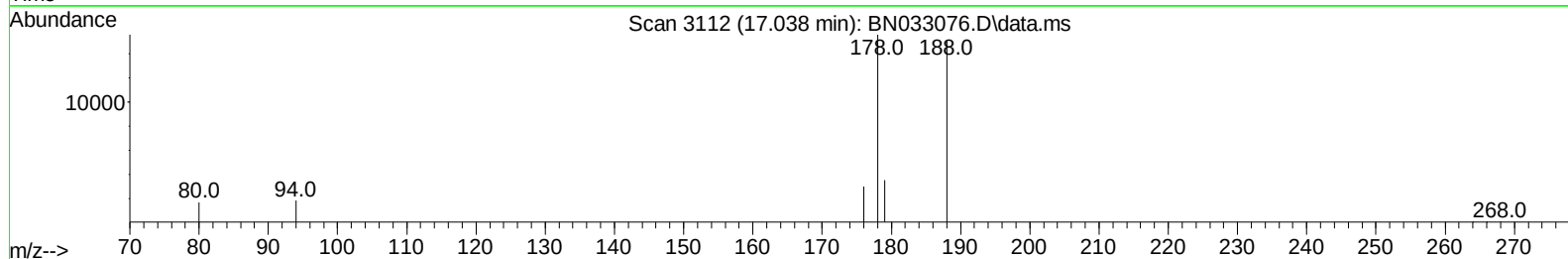
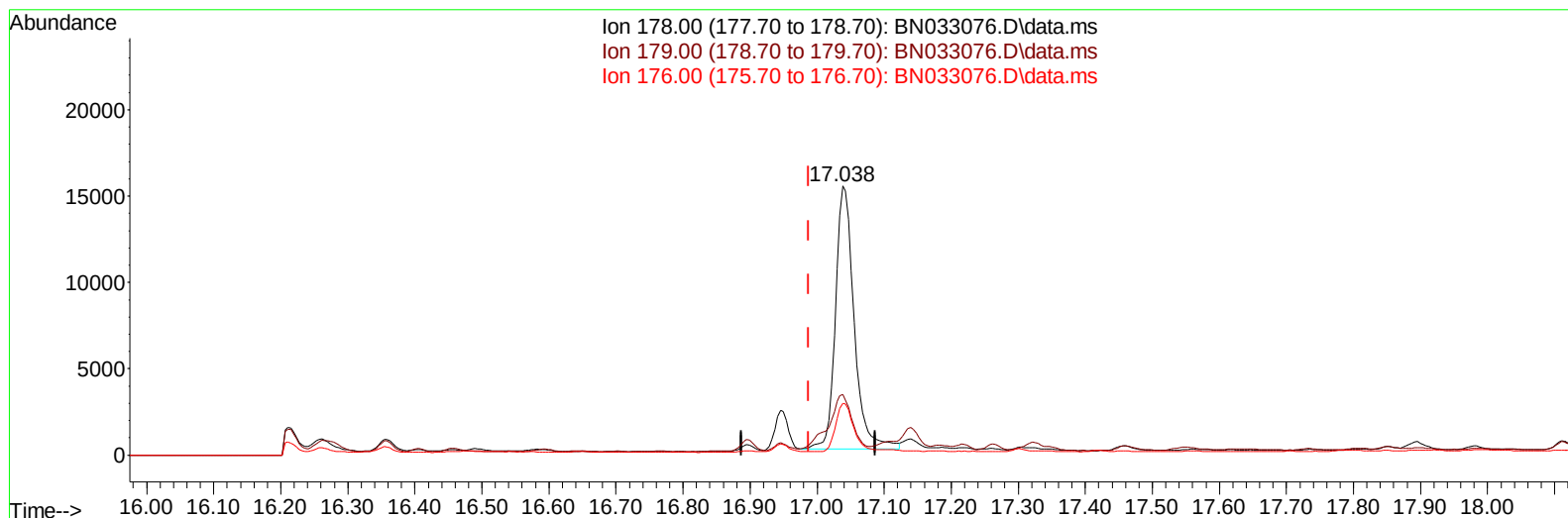
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033076.D
Acq On : 29 Jul 2024 20:14
Operator : MA/JU
Sample : P3347-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AX6

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:07:38 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
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Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033076.D\data.ms

(15) Phenanthrene

17.038min (+ 0.051) 0.82 ng/ul

response 29575

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.10	22.61#
176.00	19.90	19.25
0.00	0.00	0.00

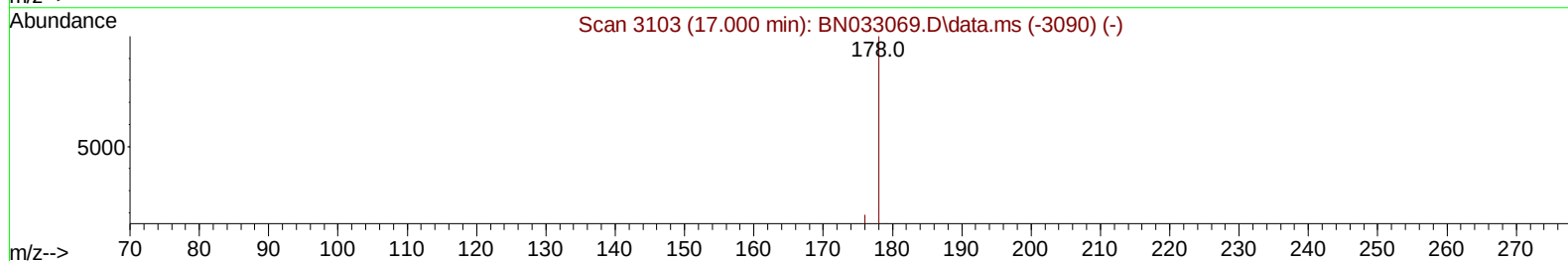
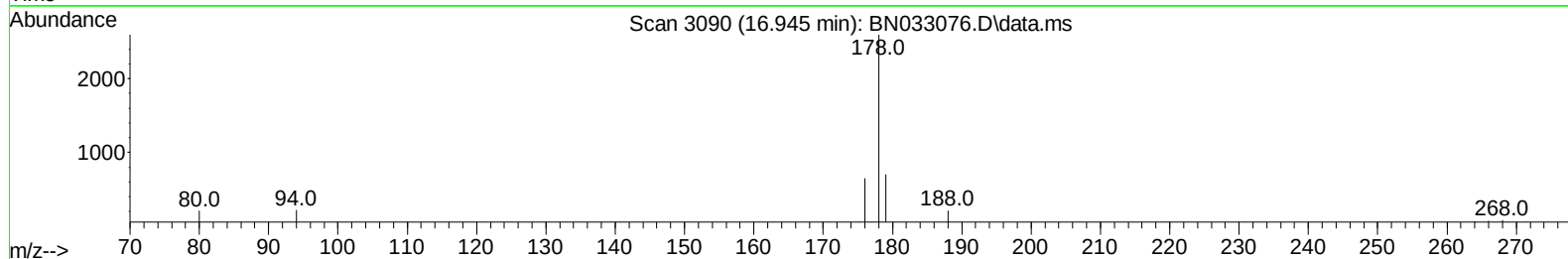
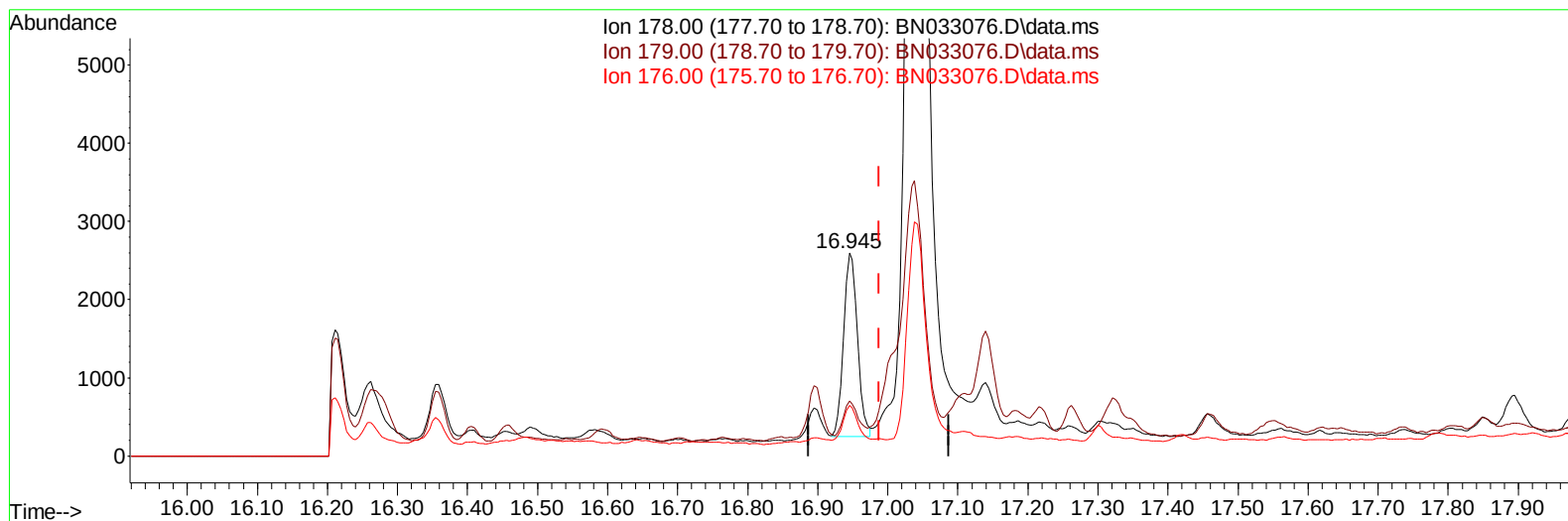
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033076.D
Acq On : 29 Jul 2024 20:14
Operator : MA/JU
Sample : P3347-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AX6

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:07:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033076.D\data.ms

(15) Phenanthrene

16.945min (-0.042) 0.09 ng/ul m

response 3217

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.10	27.18#
176.00	19.90	25.02#
0.00	0.00	0.00

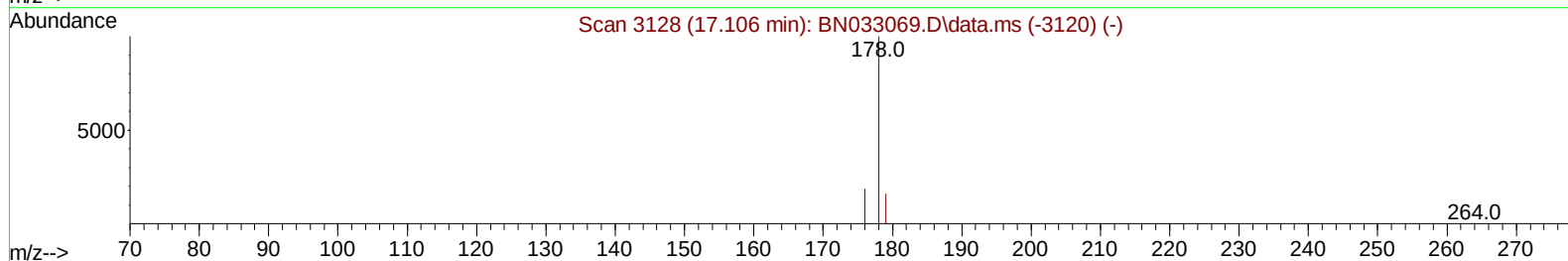
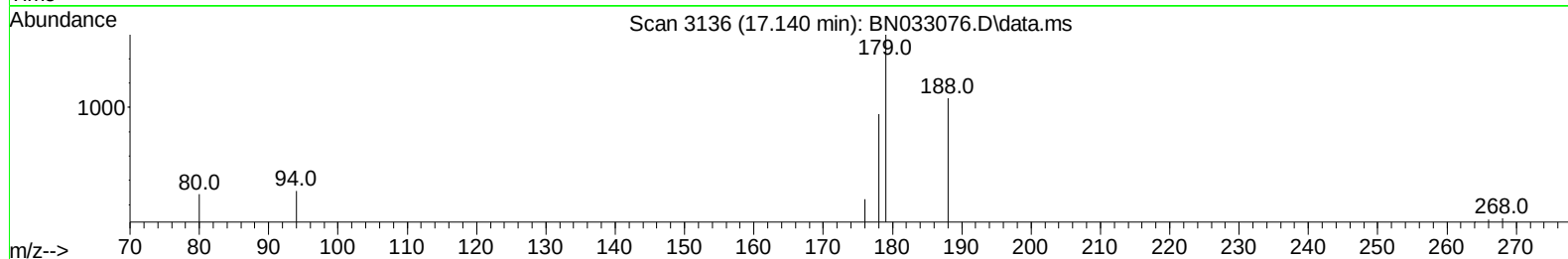
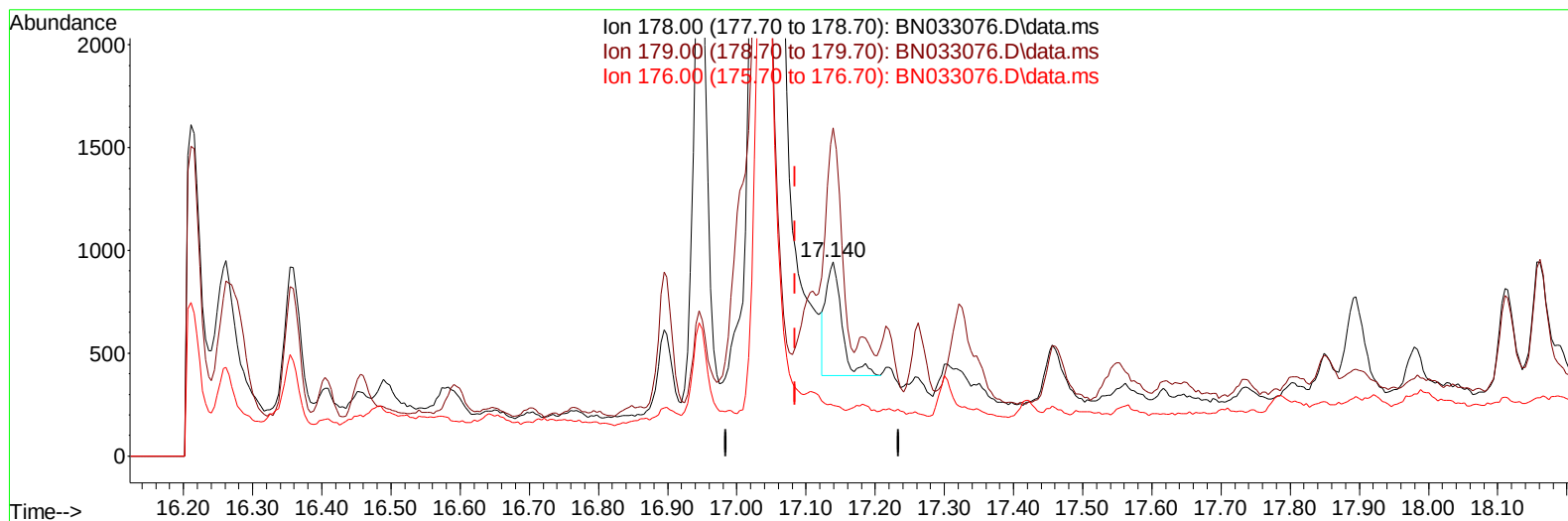
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033076.D
Acq On : 29 Jul 2024 20:14
Operator : MA/JU
Sample : P3347-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AX6

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:07:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033076.D\data.ms

(16) Anthracene

17.140min (+ 0.055) 0.03 ng/u1

response 877

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.90	169.35#
176.00	19.80	26.09#
0.00	0.00	0.00

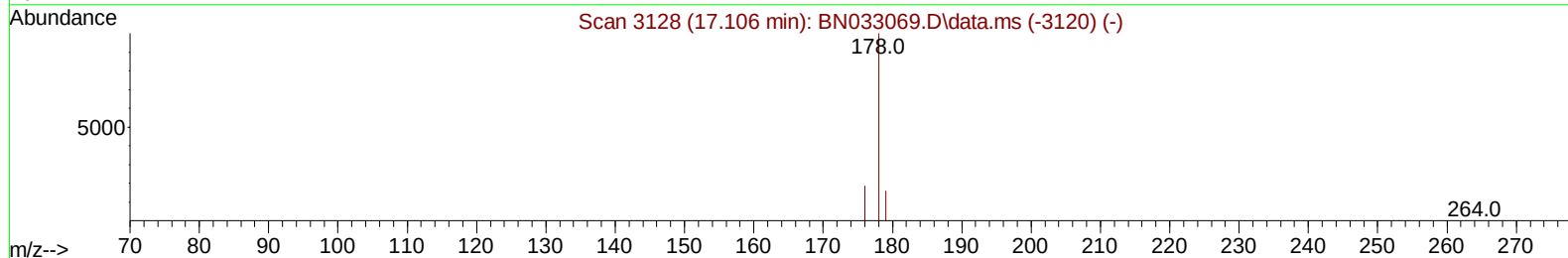
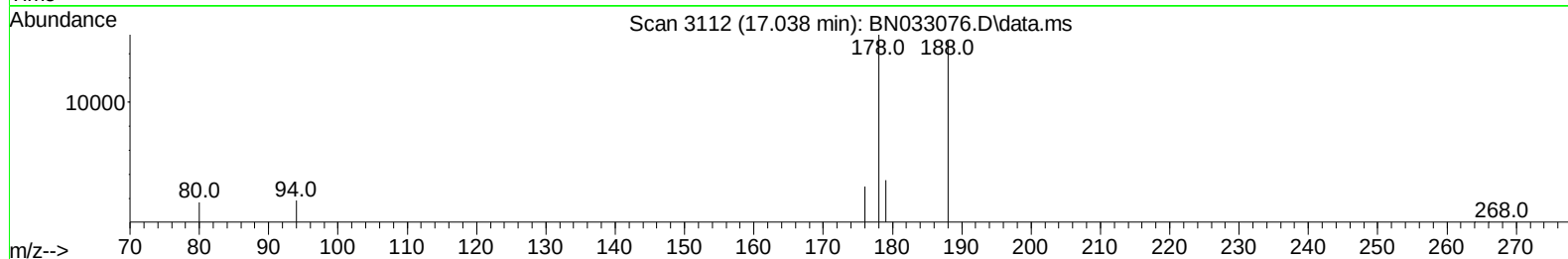
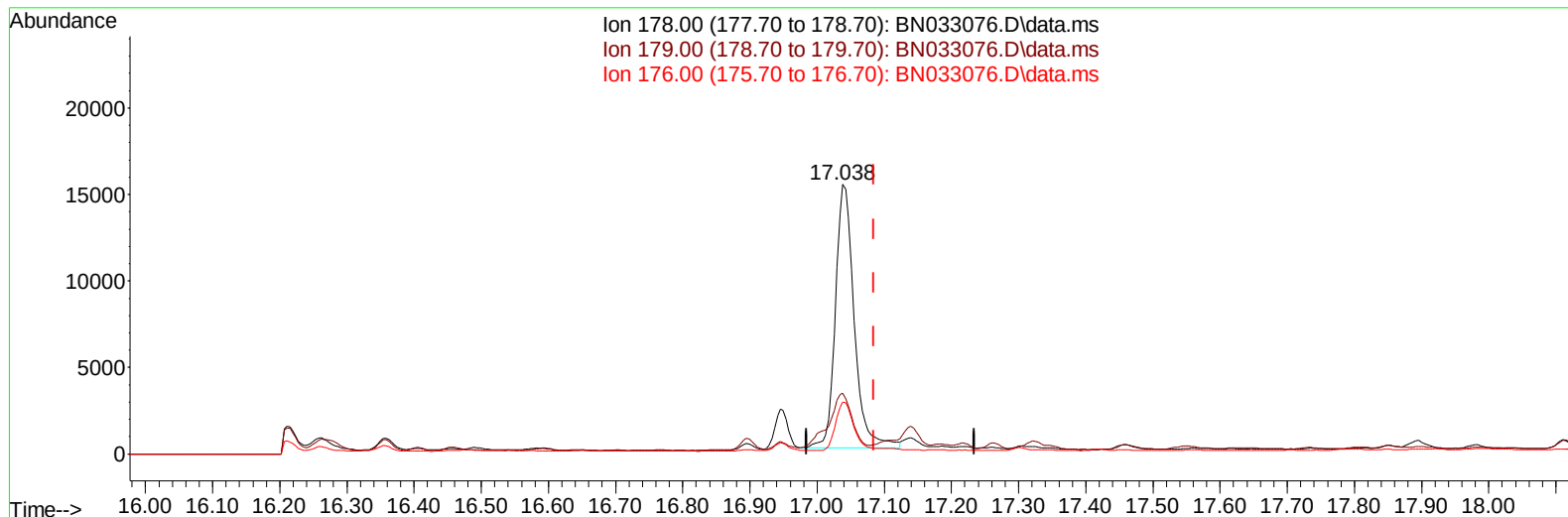
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033076.D
Acq On : 29 Jul 2024 20:14
Operator : MA/JU
Sample : P3347-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AX6

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:07:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033076.D\data.ms

(16) Anthracene

17.038min (-0.046) 0.92 ng/ul m

response 29646

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.90	22.61#
176.00	19.80	19.25
0.00	0.00	0.00

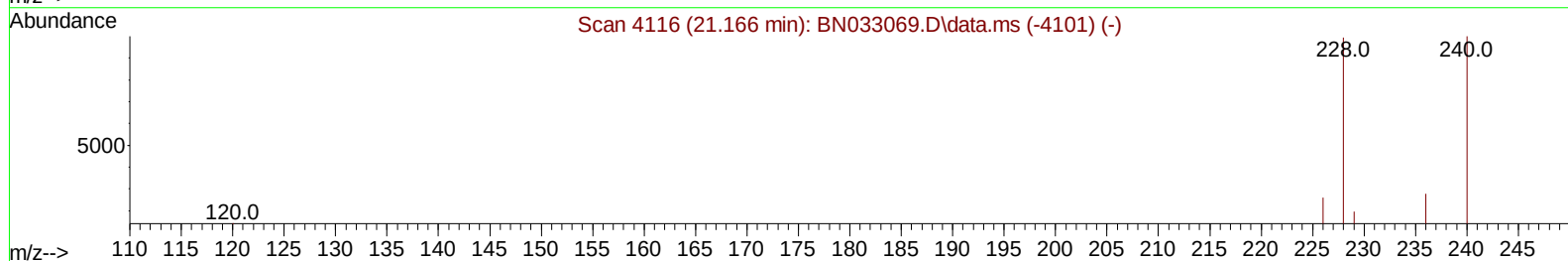
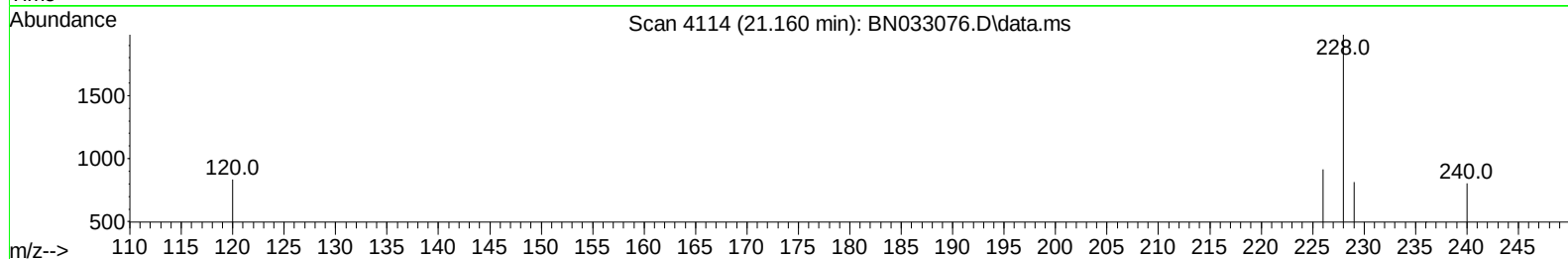
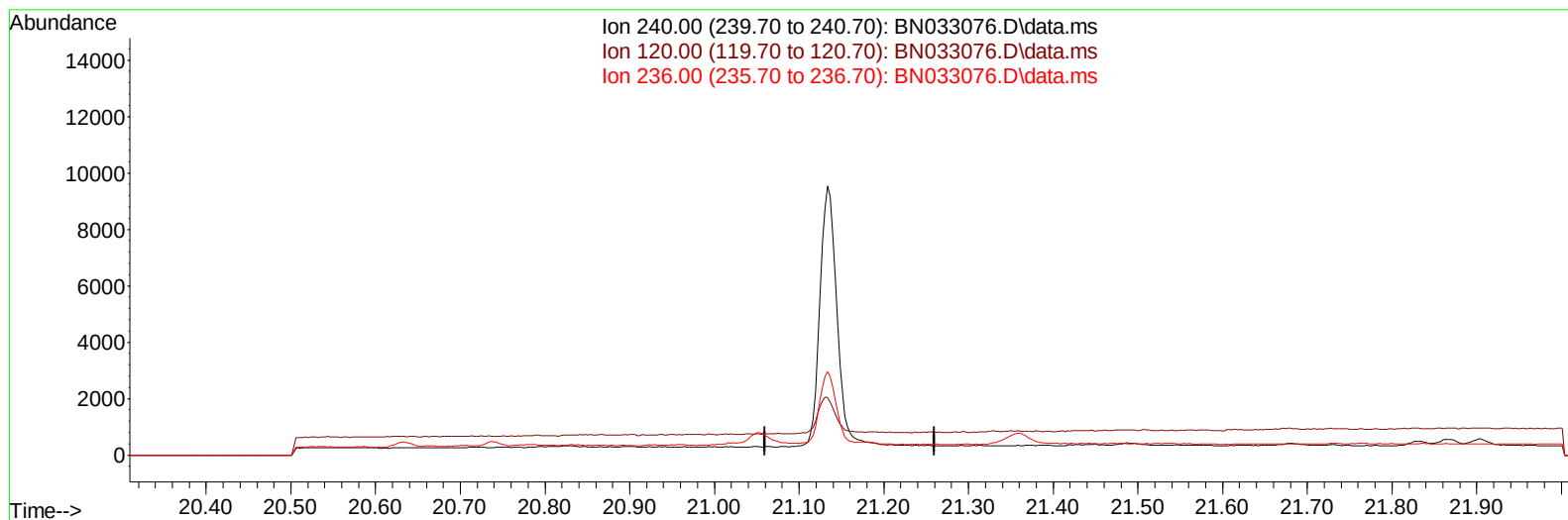
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033076.D
Acq On : 29 Jul 2024 20:14
Operator : MA/JU
Sample : P3347-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AX6

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:07:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
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Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033076.D\data.ms

(17) Chrysene-d12

21.160min (-21.160) 0.00 ng/ul

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	21.40	0.00#
236.00	29.50	0.00#
0.00	0.00	0.00

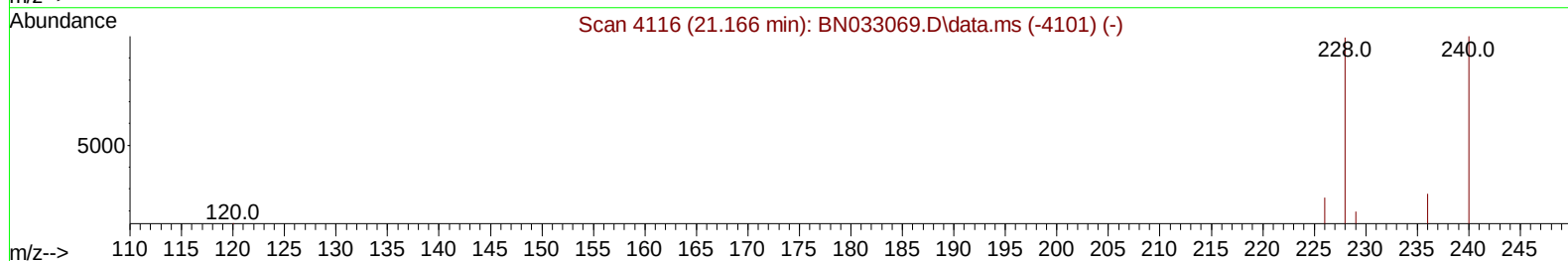
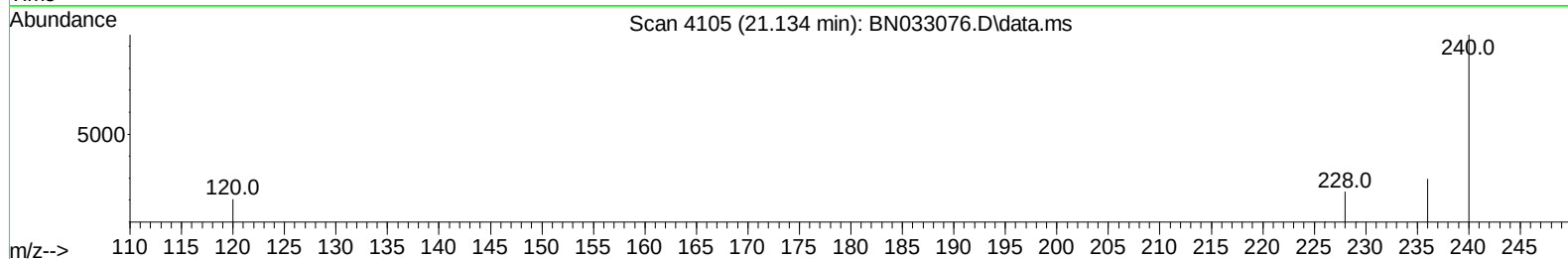
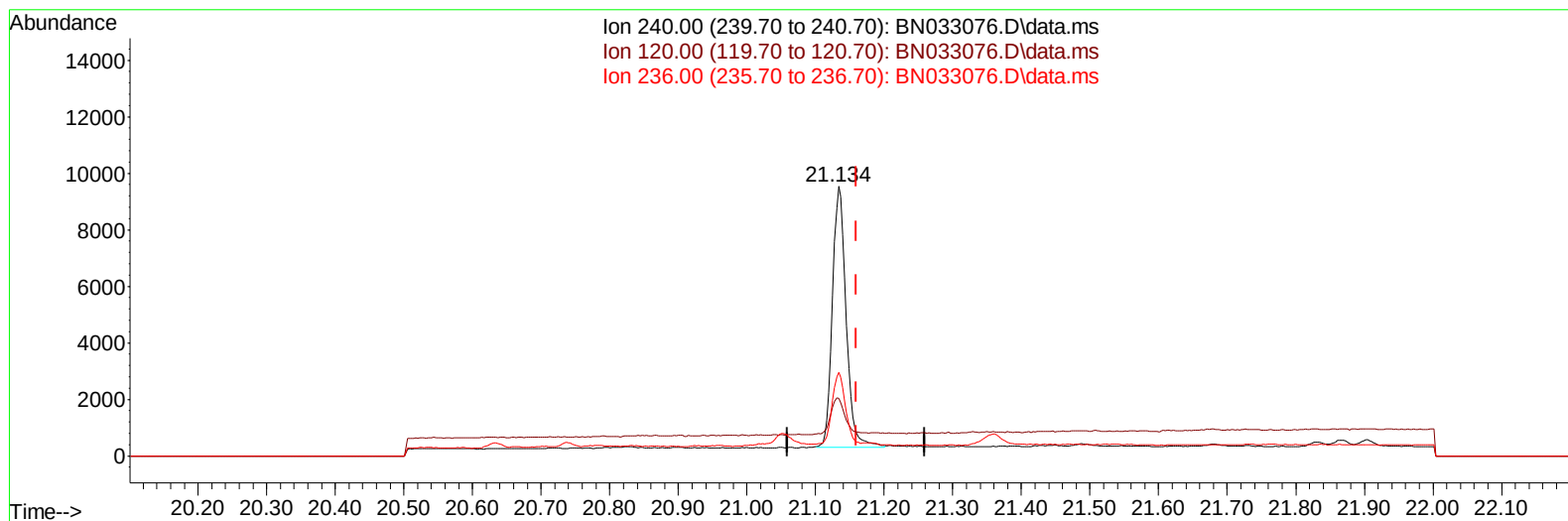
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033076.D
Acq On : 29 Jul 2024 20:14
Operator : MA/JU
Sample : P3347-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AX6

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:07:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033076.D\data.ms

(17) Chrysene-d12

21.134min (-0.026) 0.40 ng/ul m

response 12789

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	21.40	21.38
236.00	29.50	30.93
0.00	0.00	0.00

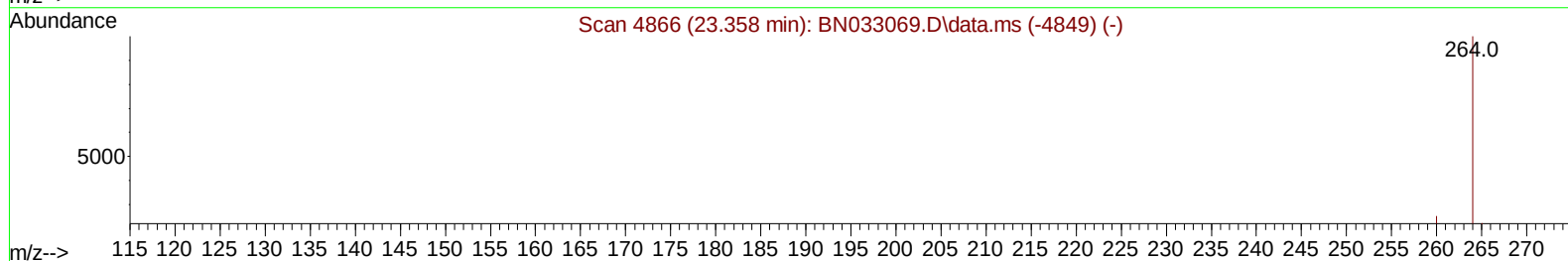
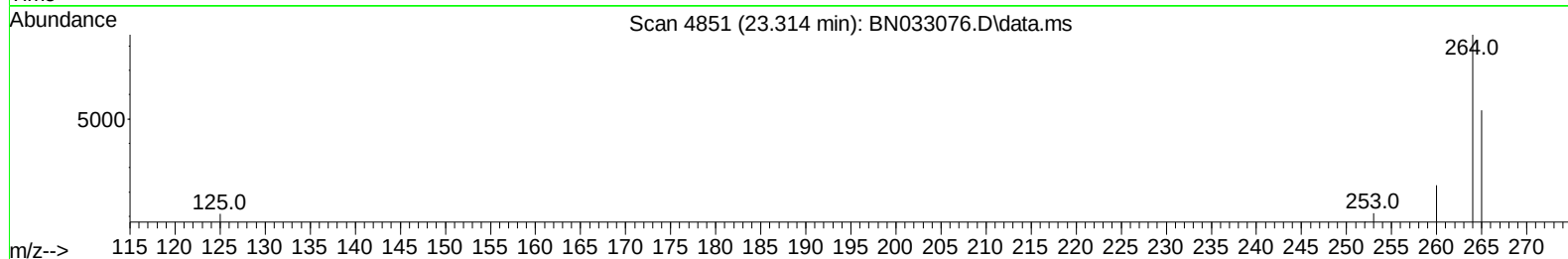
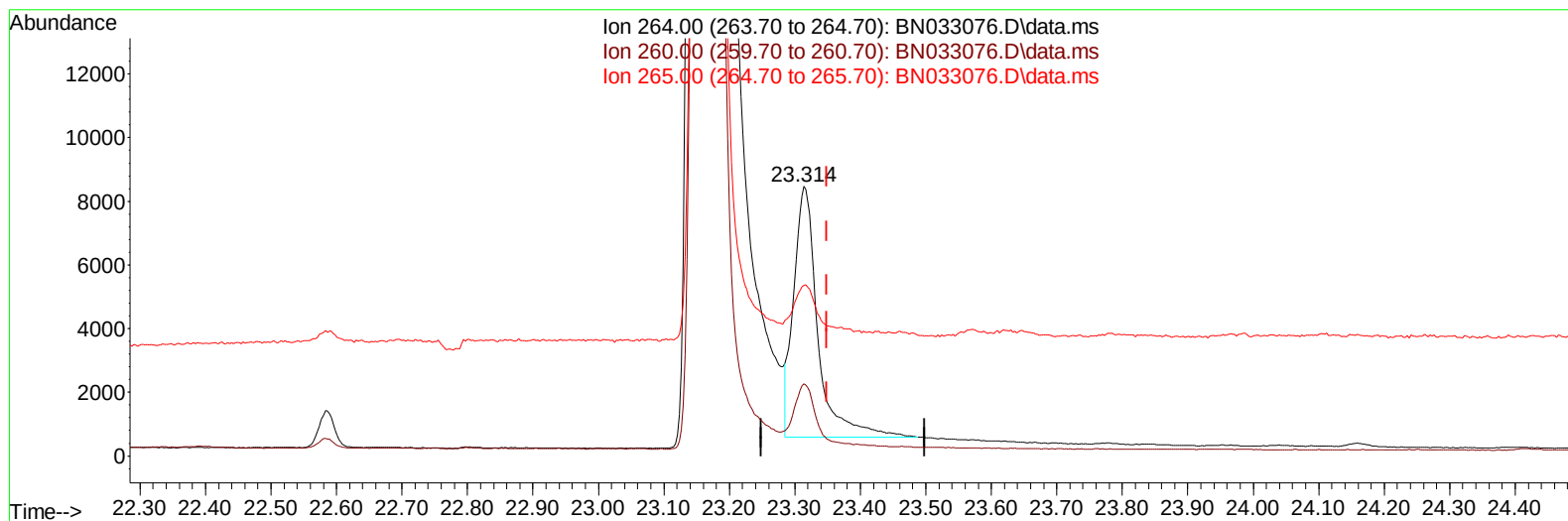
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033076.D
Acq On : 29 Jul 2024 20:14
Operator : MA/JU
Sample : P3347-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AX6

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:07:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
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Supervised By :mohammad ahmed 07/31/2024



TIC: BN033076.D\data.ms

(23) Perylene-d12 (I)

23.314min (-0.035) 0.40 ng/u1

response 20343

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.50	26.84
265.00	80.60	63.25#
0.00	0.00	0.00

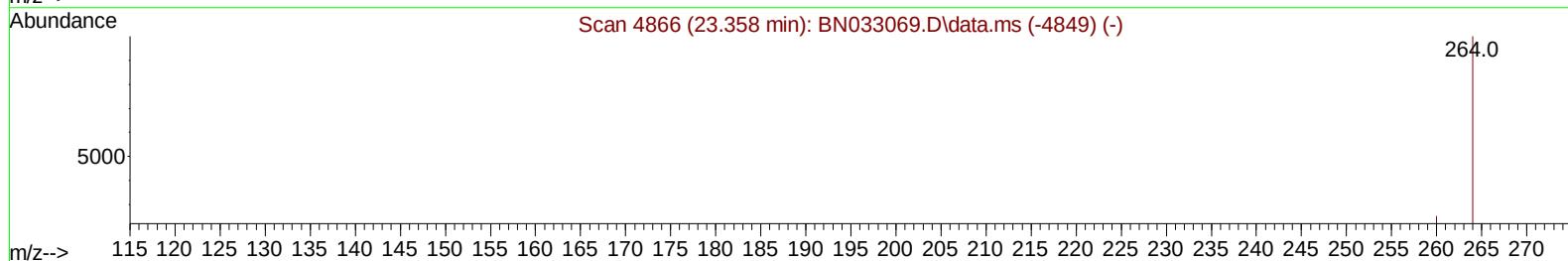
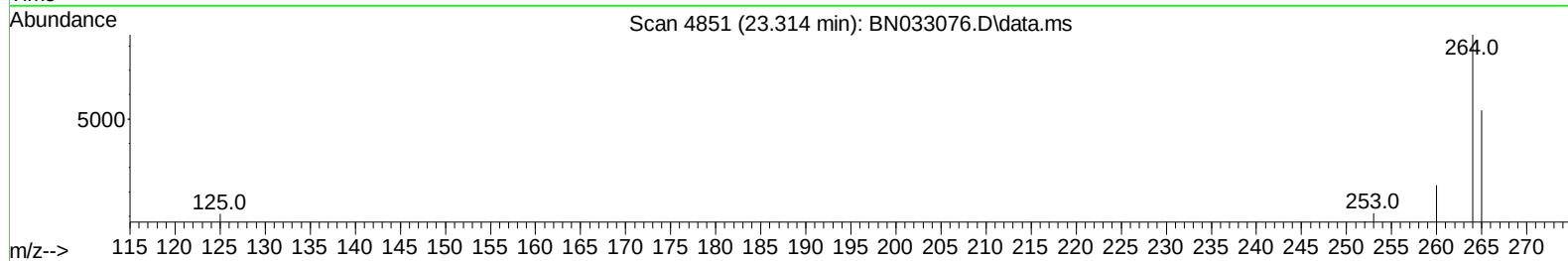
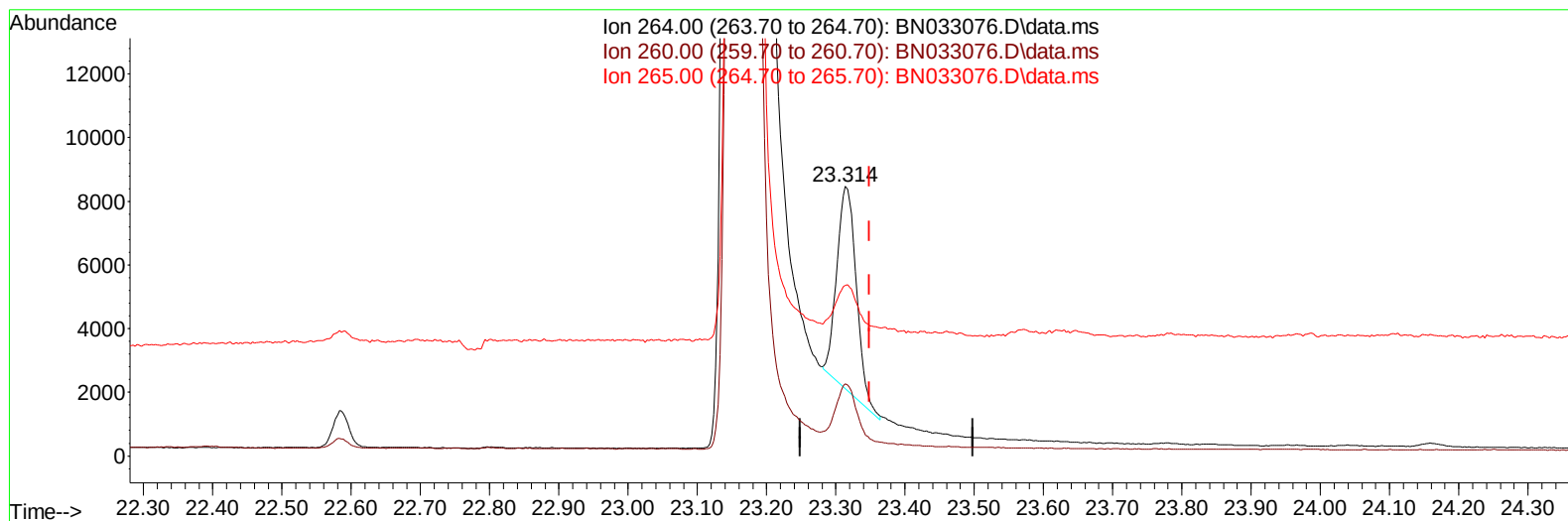
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033076.D
Acq On : 29 Jul 2024 20:14
Operator : MA/JU
Sample : P3347-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AX6

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:07:38 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Supervised By :mohammad ahmed 07/31/2024



TIC: BN033076.D\data.ms

(23) Perylene-d12 (I)

23.314min (-0.035) 0.40 ng/ul m

response 12353

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.50	26.84
265.00	80.60	63.25#
0.00	0.00	0.00

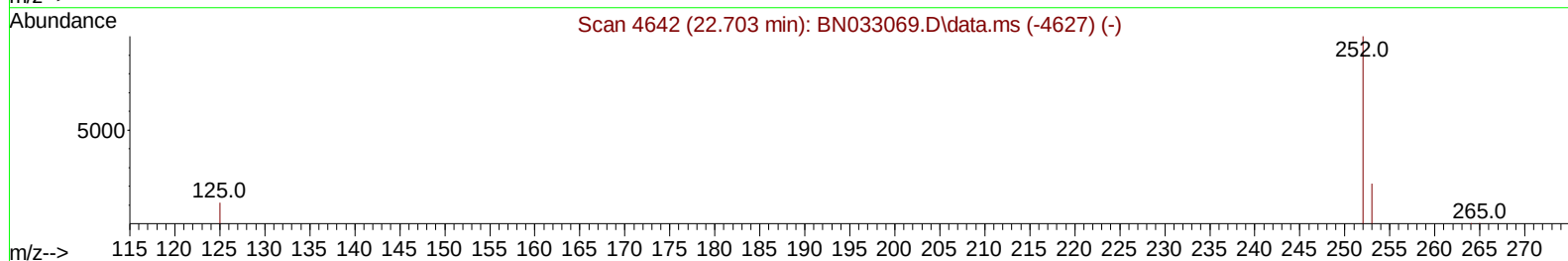
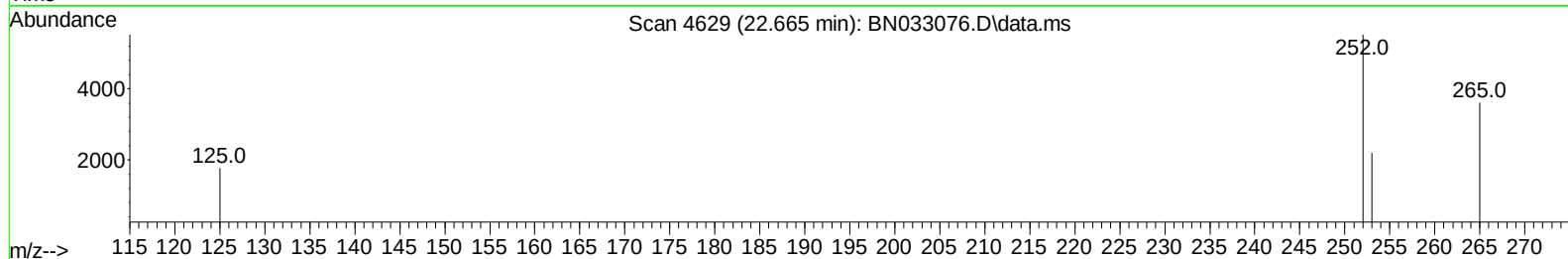
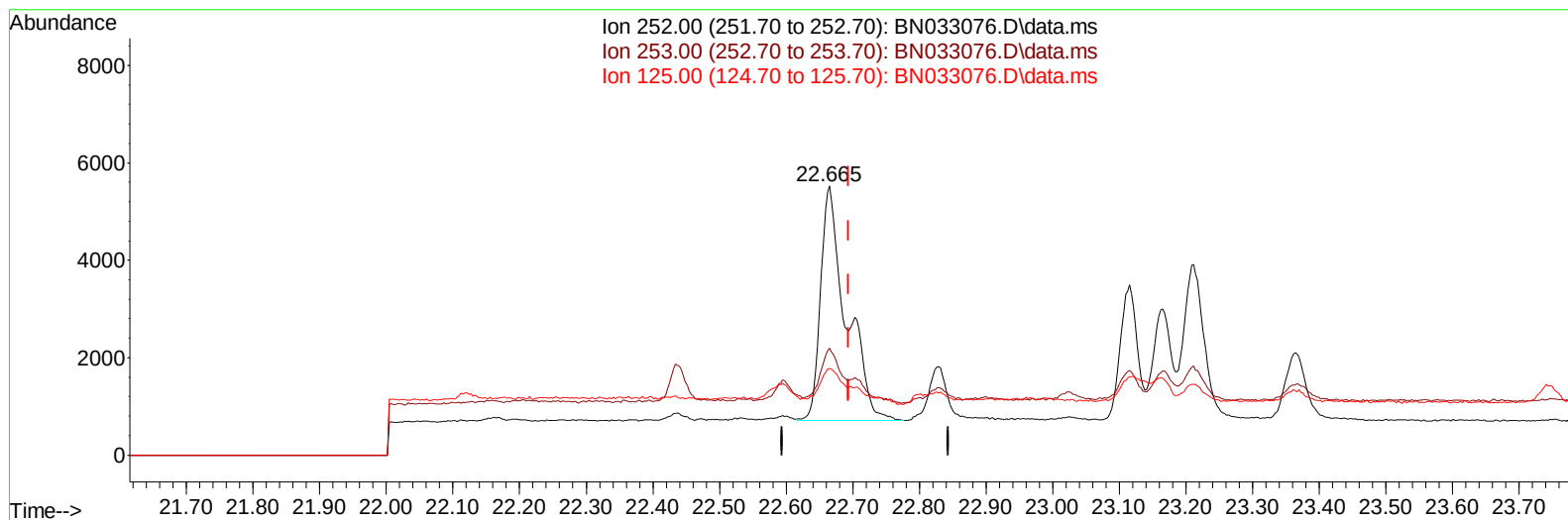
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033076.D
Acq On : 29 Jul 2024 20:14
Operator : MA/JU
Sample : P3347-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AX6

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:07:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
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Reviewed By :Yogesh Patel 07/30/2024
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TIC: BN033076.D\data.ms

(24) Benzo(b)fluoranthene

22.665min (-0.029) 0.36 ng/u1

response 12862

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.30	39.72
125.00	25.50	32.11
0.00	0.00	0.00

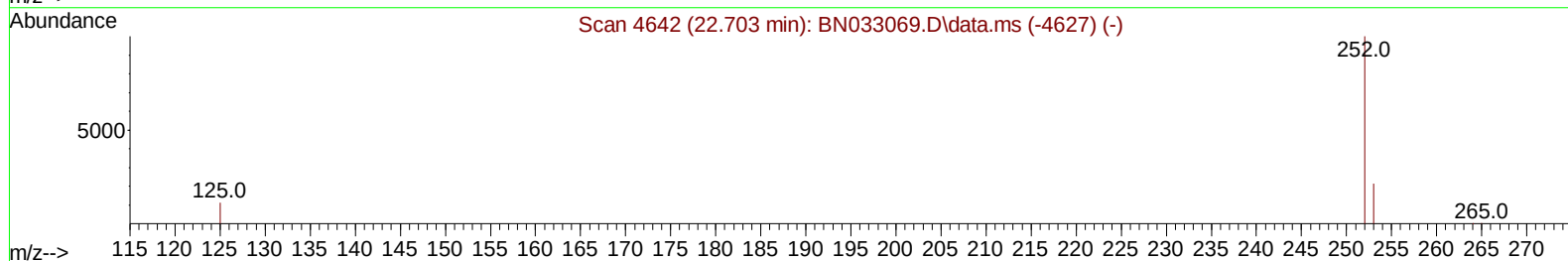
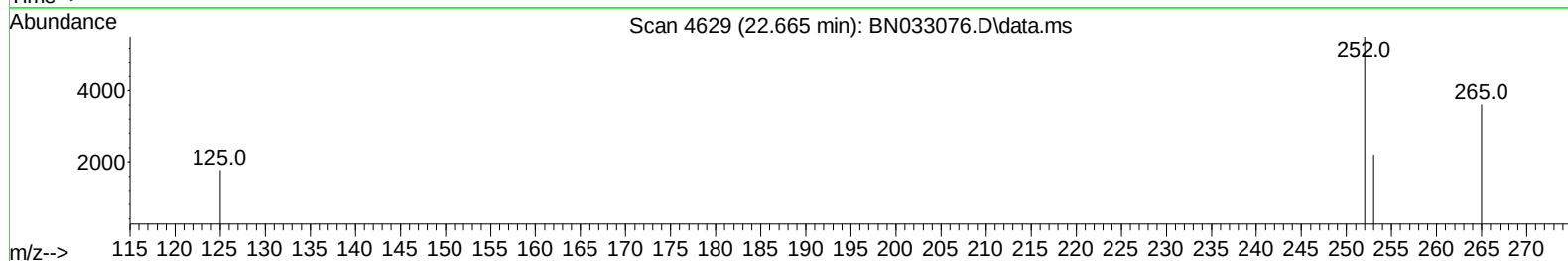
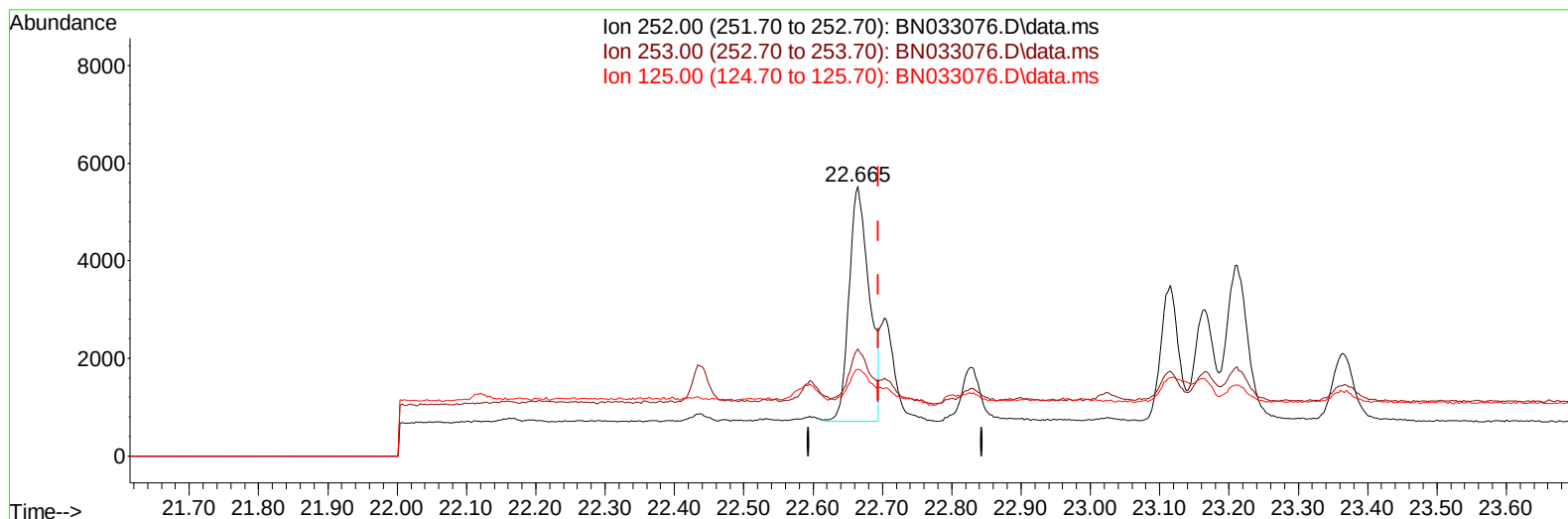
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033076.D
Acq On : 29 Jul 2024 20:14
Operator : MA/JU
Sample : P3347-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AX6

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:07:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033076.D\data.ms

(24) Benzo(b)fluoranthene

22.665min (-0.029) 0.27 ng/ul m

response 9767

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.30	39.72
125.00	25.50	32.11
0.00	0.00	0.00

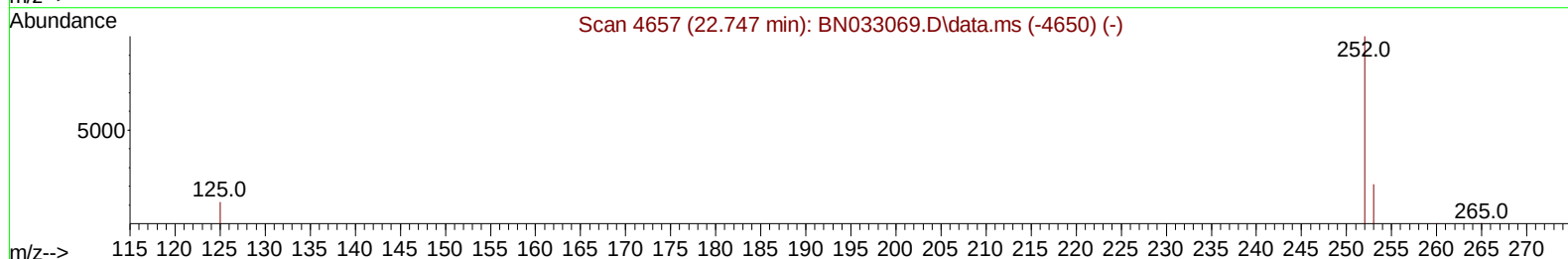
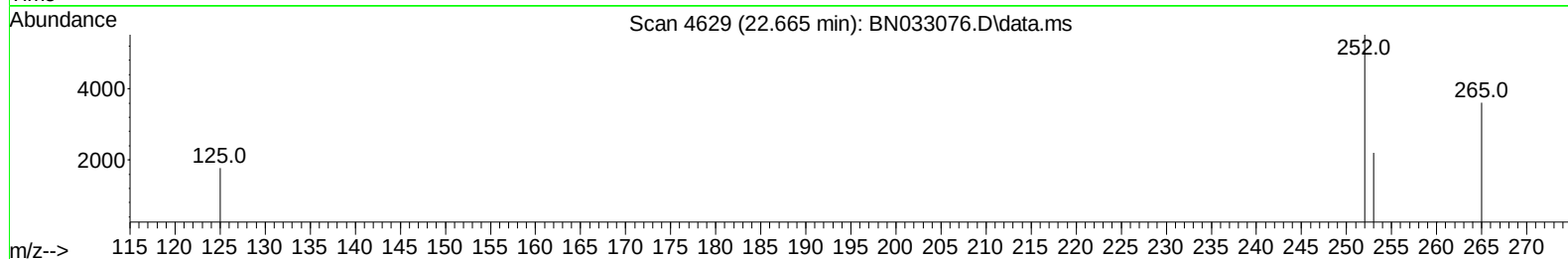
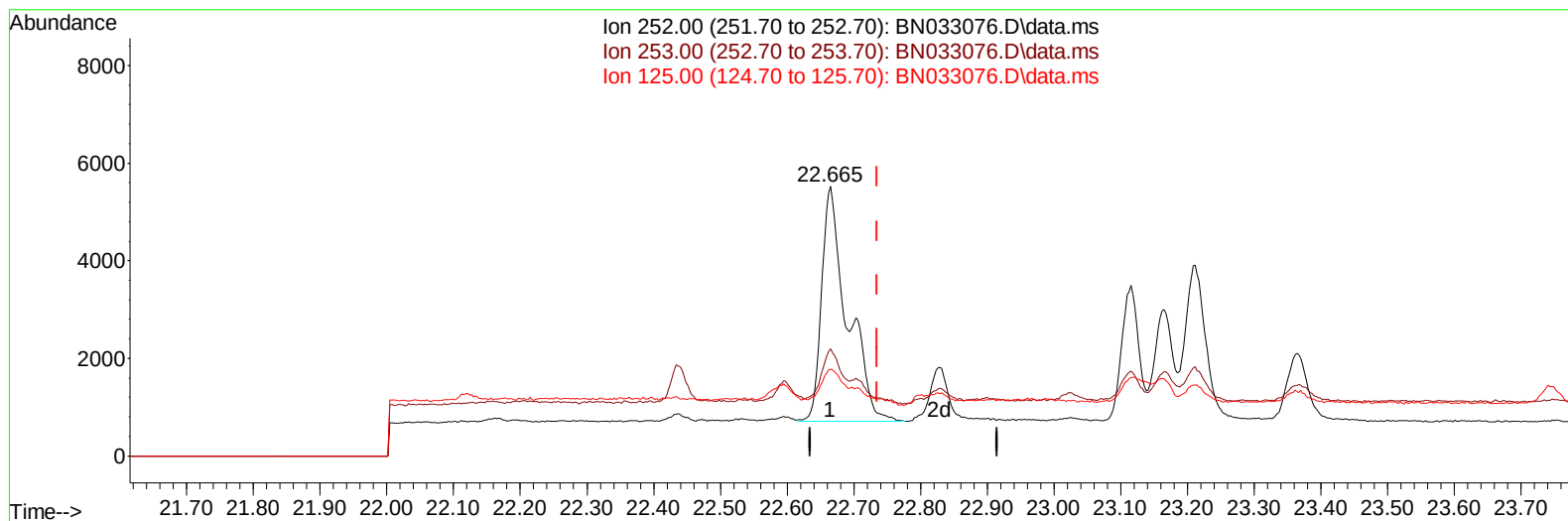
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033076.D
Acq On : 29 Jul 2024 20:14
Operator : MA/JU
Sample : P3347-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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TIC: BN033076.D\data.ms

(25) Benzo(k)fluoranthene

22.665min (-0.070) 0.30 ng/u1

response 12862

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.10	39.72#
125.00	26.10	32.11#
0.00	0.00	0.00

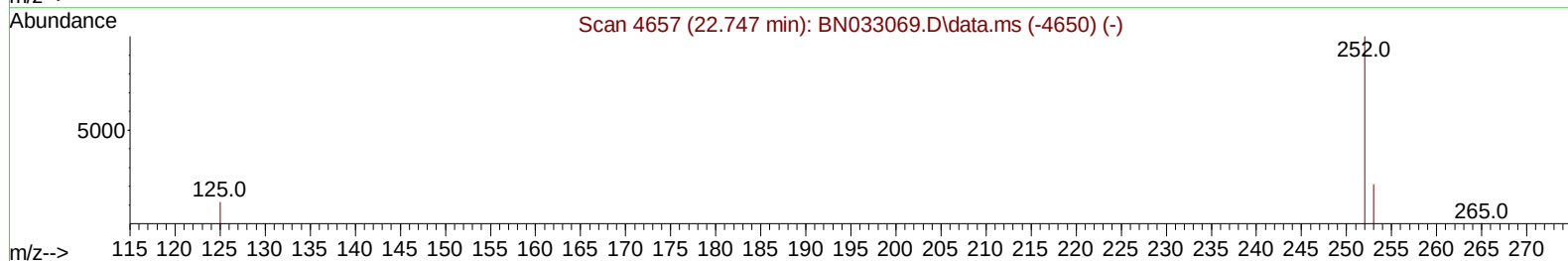
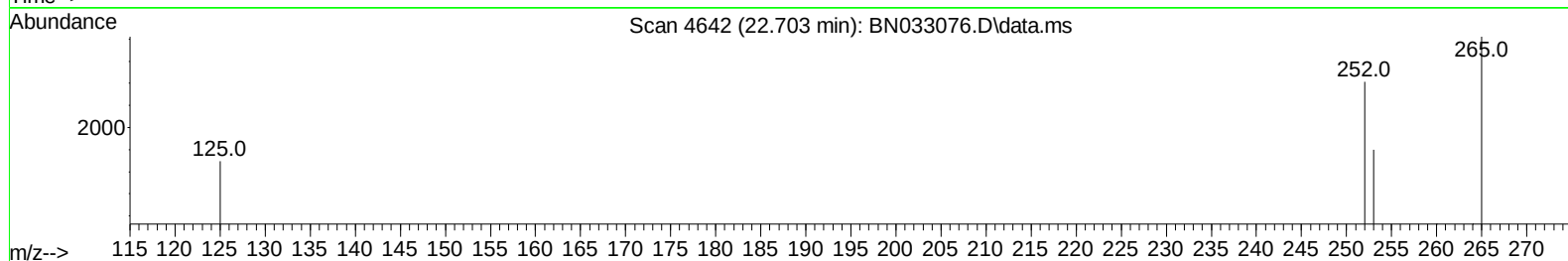
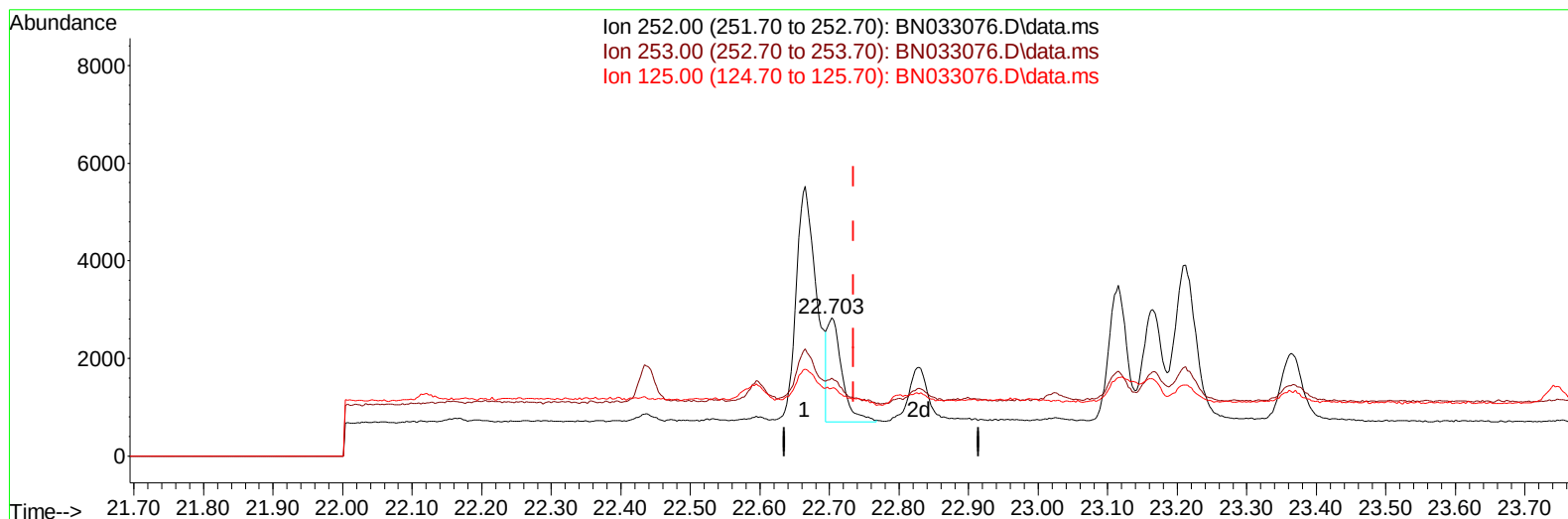
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033076.D
Acq On : 29 Jul 2024 20:14
Operator : MA/JU
Sample : P3347-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AX6

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:07:38 2024
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TIC: BN033076.D\data.ms

(25) Benzo(k)fluoranthene

22.703min (-0.032) 0.07 ng/ul m

response 3133

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.10	56.33#
125.00	26.10	49.26#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
 Data File : BN033076.D
 Acq On : 29 Jul 2024 20:14
 Operator : MA/JU
 Sample : P3347-13
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AX6

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:07:38 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.503	152	2335	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.256	136	8416	0.400	ng/ul	-0.04
9) Acenaphthene-d10	14.139	164	5882	0.400	ng/ul	#-0.03
13) Phenanthrene-d10	16.907	188	13395m	0.400	ng/ul	-0.04
17) Chrysene-d12	21.134	240	12789m	0.400	ng/ul	-0.03
23) Perylene-d12	23.314	264	12353m	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.056	96	11292	3.823	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.879	152	3983	0.290	ng/ul	-0.03
18) Fluoranthene-d10	18.949	212	12811	0.354	ng/ul	-0.03
Target Compounds						
					Qvalue	
5) Naphthalene	10.306	128	5106	0.236	ng/ul	97
8) 1-Methylnaphthalene	12.165	142	8092	0.511	ng/ul#	75
10) Acenaphthylene	13.856	152	6912	0.287	ng/ul#	84
11) Acenaphthene	14.199	153	267989	14.800	ng/ul	98
12) Fluorene	15.203	166	257574	12.205	ng/ul	98
14) Pentachlorophenol	16.599	266	131m	0.048	ng/ul	
15) Phenanthrene	16.945	178	3217m	0.090	ng/ul	
16) Anthracene	17.038	178	29646m	0.918	ng/ul	
19) Fluoranthene	18.981	202	135360	3.215	ng/ul	97
20) Pyrene	19.344	202	91758	2.032	ng/ul	98
21) Benzo(a)anthracene	21.119	228	9686	0.222	ng/ul#	91
22) Chrysene	21.172	228	4188	0.082	ng/ul#	77
24) Benzo(b)fluoranthene	22.665	252	9767m	0.271	ng/ul	
25) Benzo(k)fluoranthene	22.703	252	3133m	0.072	ng/ul	
26) Benzo(a)pyrene	23.212	252	6595	0.194	ng/ul#	86
27) Indeno(1,2,3-cd)pyrene	25.524	276	7370	0.143	ng/ul#	95
28) Dibenzo(a,h)anthracene	25.520	278	1314	0.032	ng/ul#	1
29) Benzo(g,h,i)perylene	26.191	276	12646	0.308	ng/ul	97

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

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