

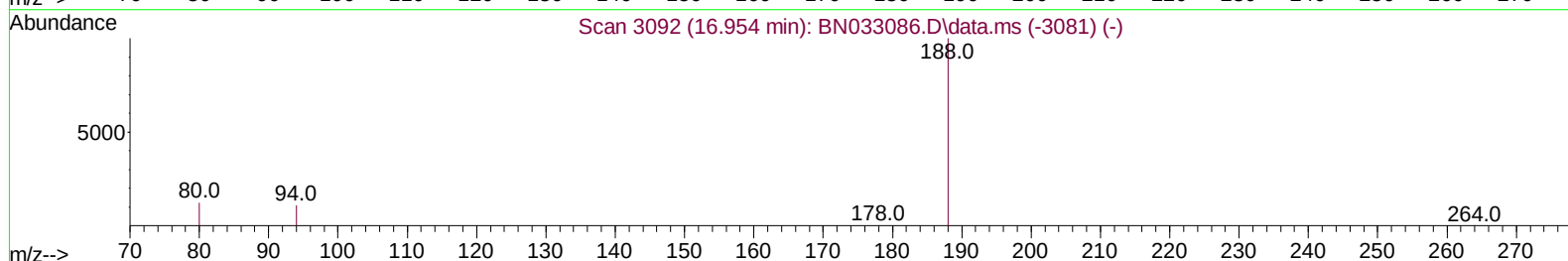
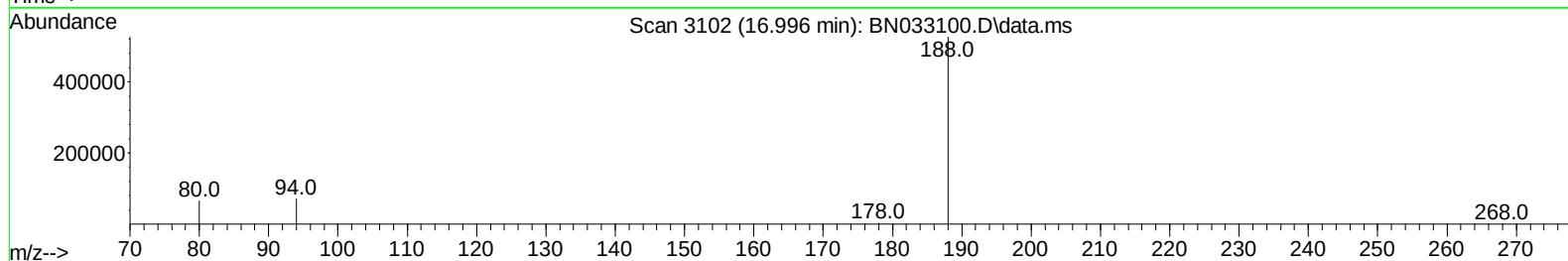
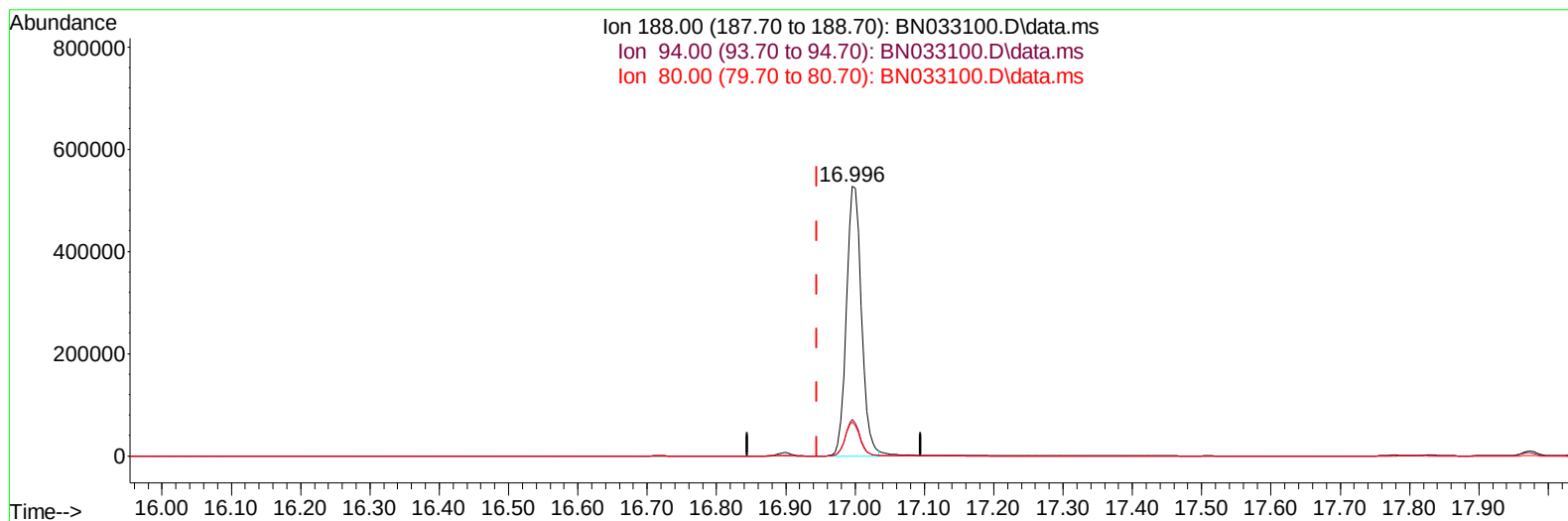
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033100.D
Acq On : 30 Jul 2024 11:26
Operator : MA/JU
Sample : P3336-09
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7E37

Manual IntegrationsAPPROVED

Quant Time: Jul 30 12:41:23 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 :Jagrut Upadhyay 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033100.D\data.ms

(13) Phenanthrene-d10 (I)

16.996min (+ 0.051) 0.40 ng/u1

response 791919

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	12.40	13.49
80.00	13.10	12.53
0.00	0.00	0.00

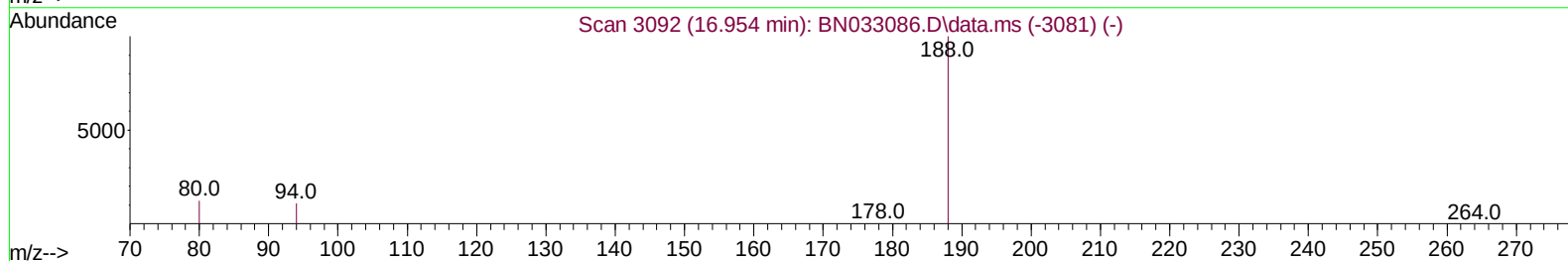
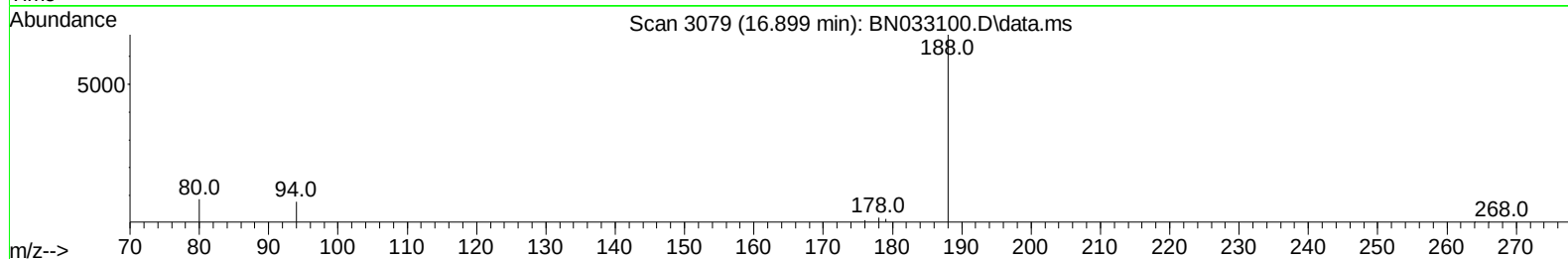
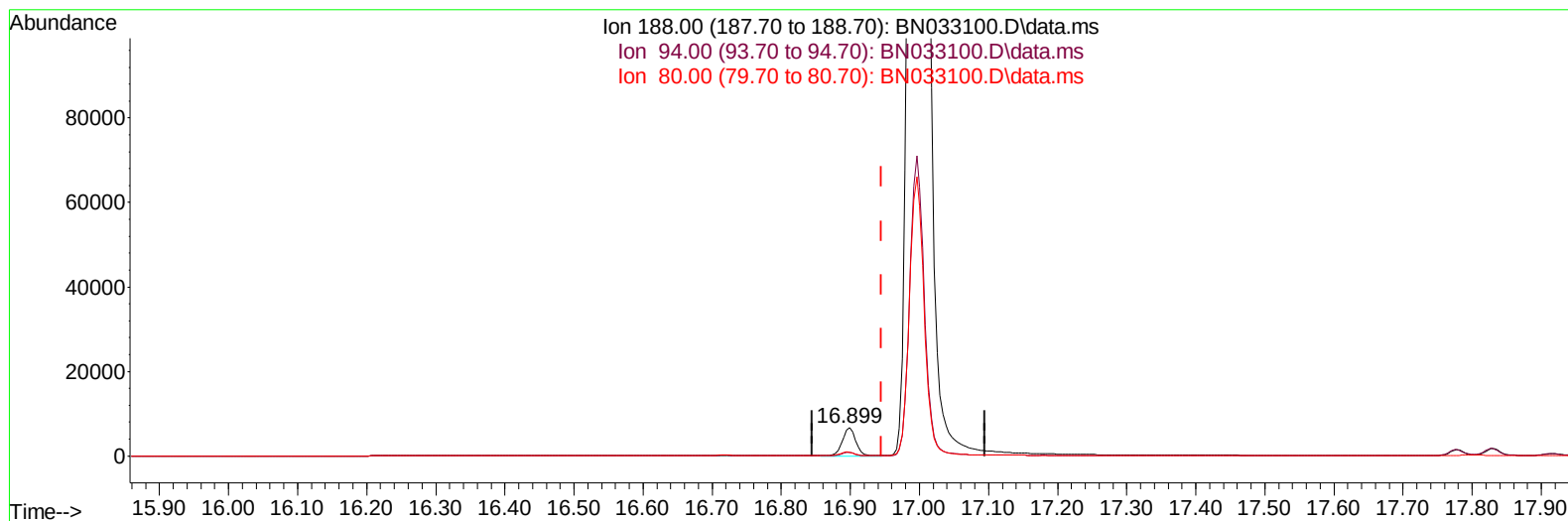
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033100.D
Acq On : 30 Jul 2024 11:26
Operator : MA/JU
Sample : P3336-09
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7E37

Manual IntegrationsAPPROVED

Quant Time: Jul 30 12:41:23 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 :Jagrut Upadhyay 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033100.D\data.ms

(13) Phenanthrene-d10 (I)

16.899min (-0.046) 0.40 ng/ul m

response 9065

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	12.40	11.53
80.00	13.10	12.87
0.00	0.00	0.00

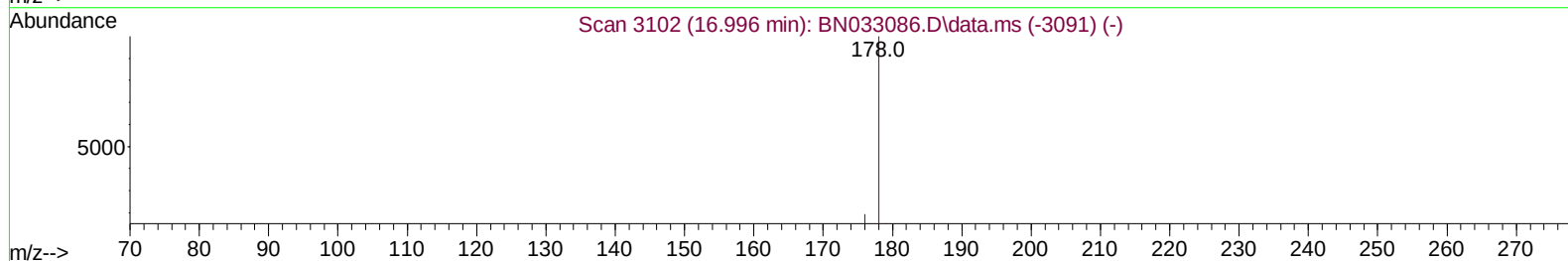
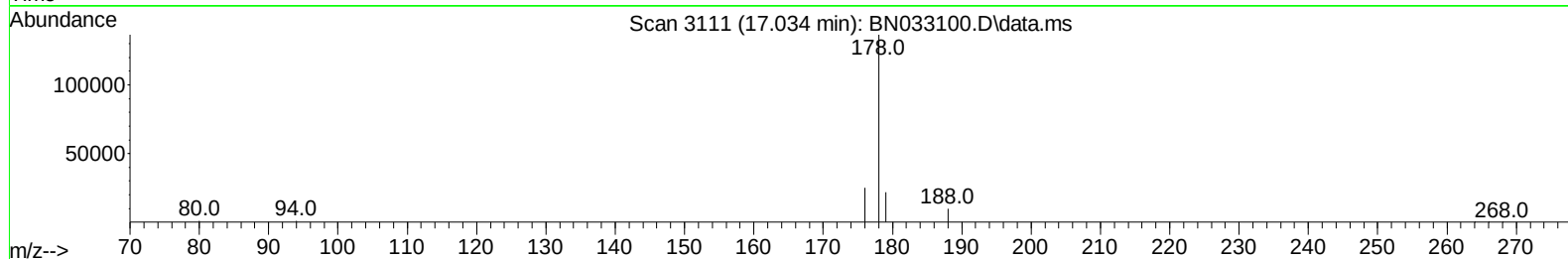
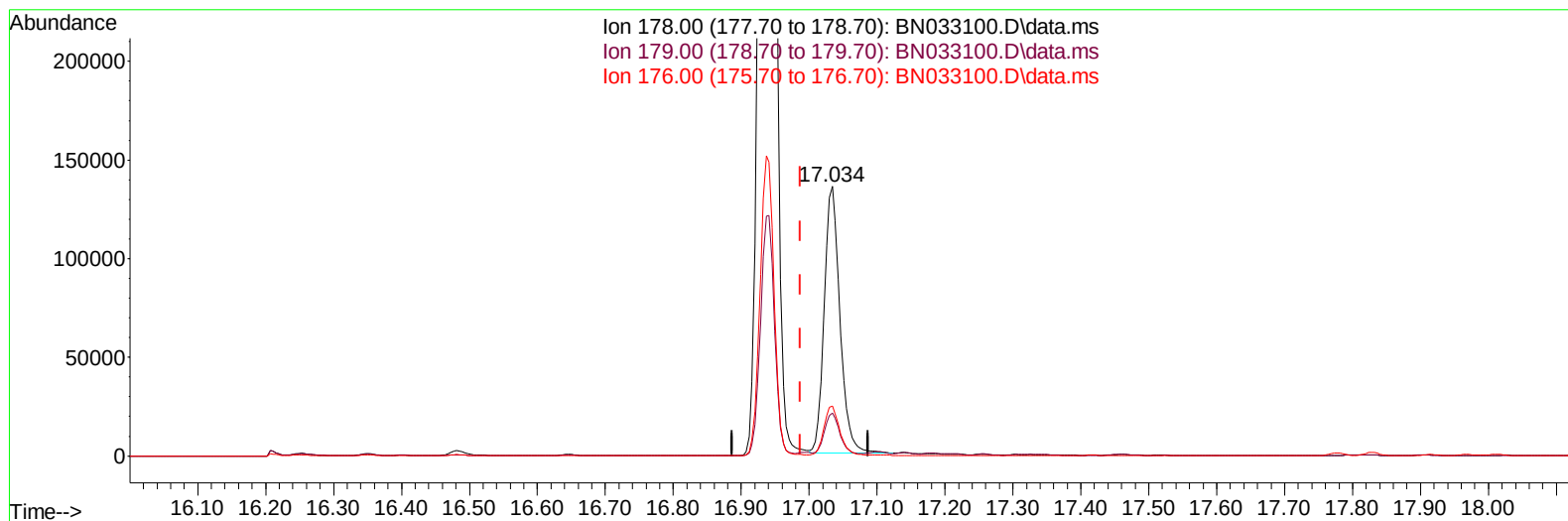
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033100.D
Acq On : 30 Jul 2024 11:26
Operator : MA/JU
Sample : P3336-09
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7E37

Manual IntegrationsAPPROVED

Quant Time: Jul 30 12:41:23 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 :Jagrut Upadhyay 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033100.D\data.ms

(15) Phenanthrene

17.034min (+ 0.047) 8.97 ng/ul

response 218052

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.10	15.94
176.00	19.90	18.47
0.00	0.00	0.00

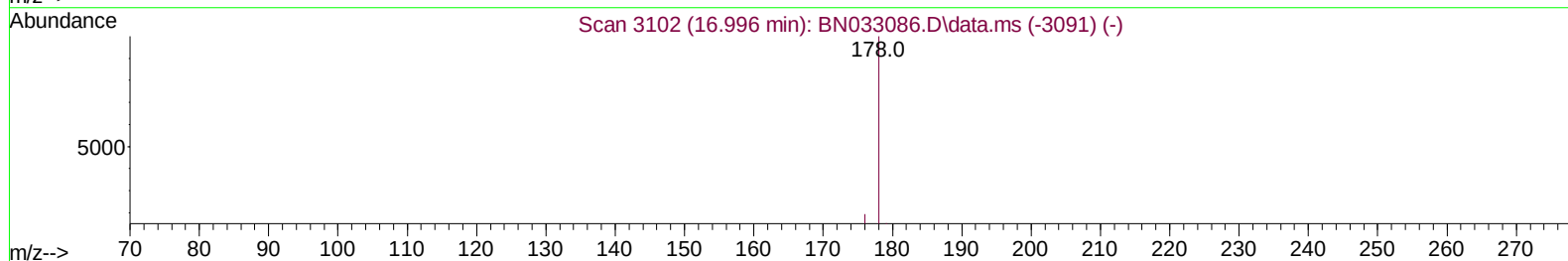
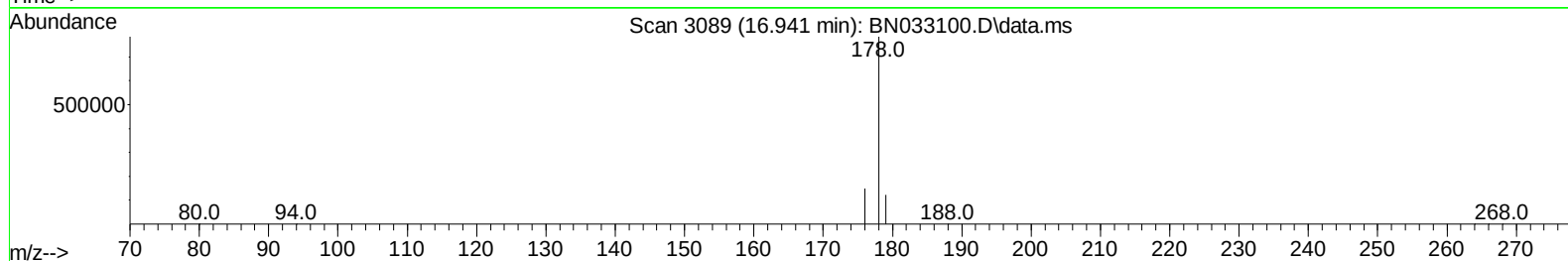
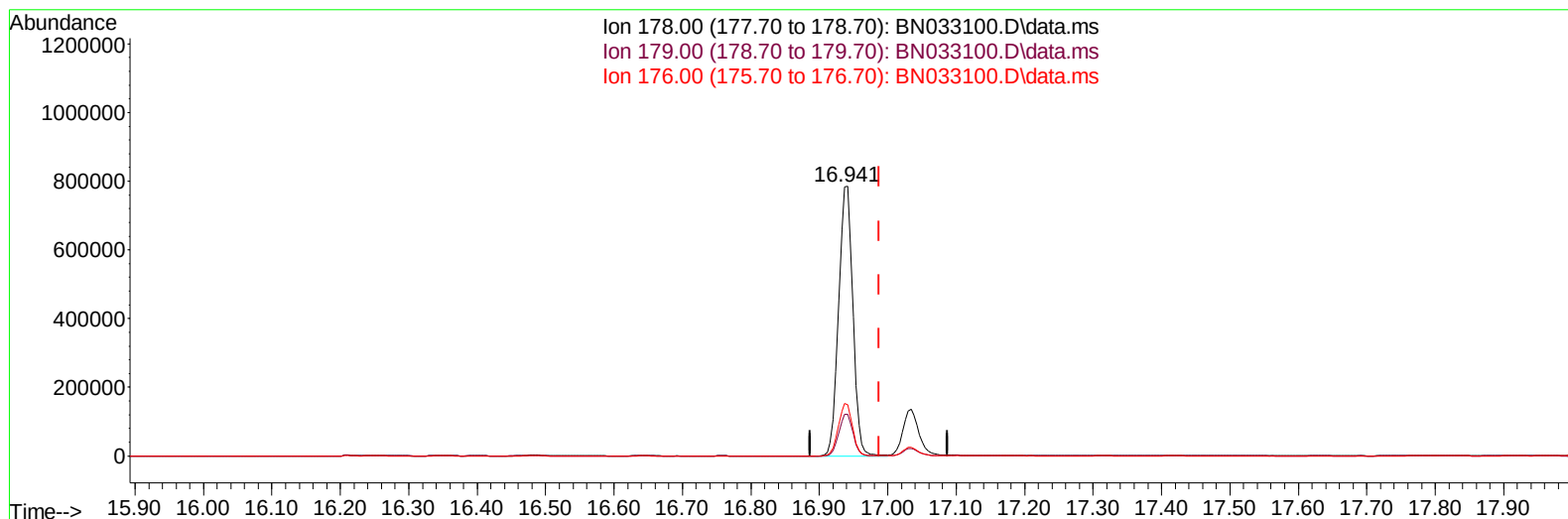
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033100.D
Acq On : 30 Jul 2024 11:26
Operator : MA/JU
Sample : P3336-09
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7E37

Manual IntegrationsAPPROVED

Quant Time: Jul 30 12:41:23 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 :Jagrut Upadhyay 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033100.D\data.ms

(15) Phenanthrene

16.941min (-0.046) 46.76 ng/ul m

response 1136882

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.10	15.54
176.00	19.90	18.99
0.00	0.00	0.00

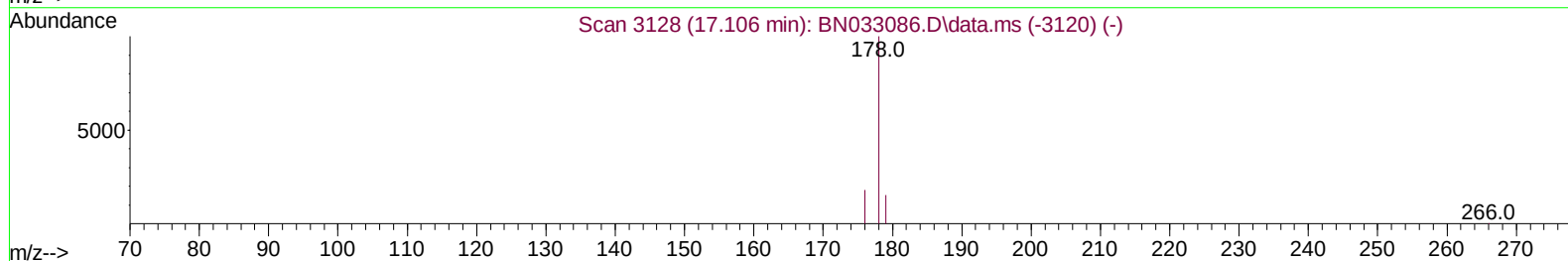
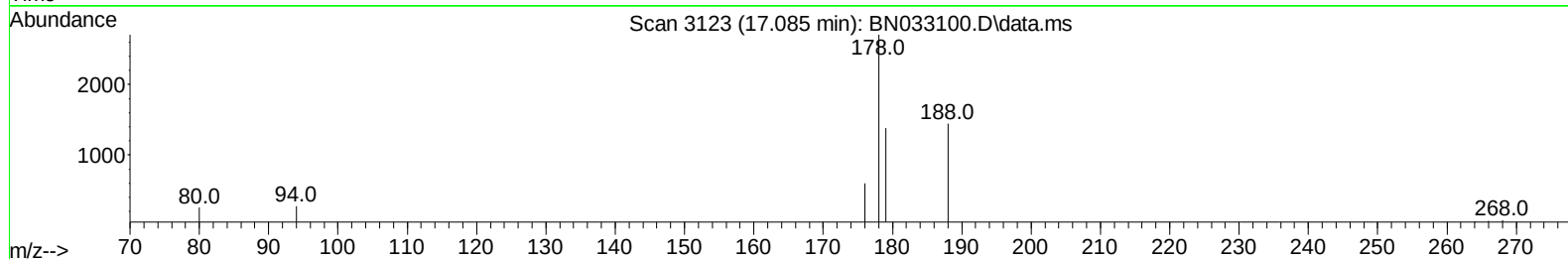
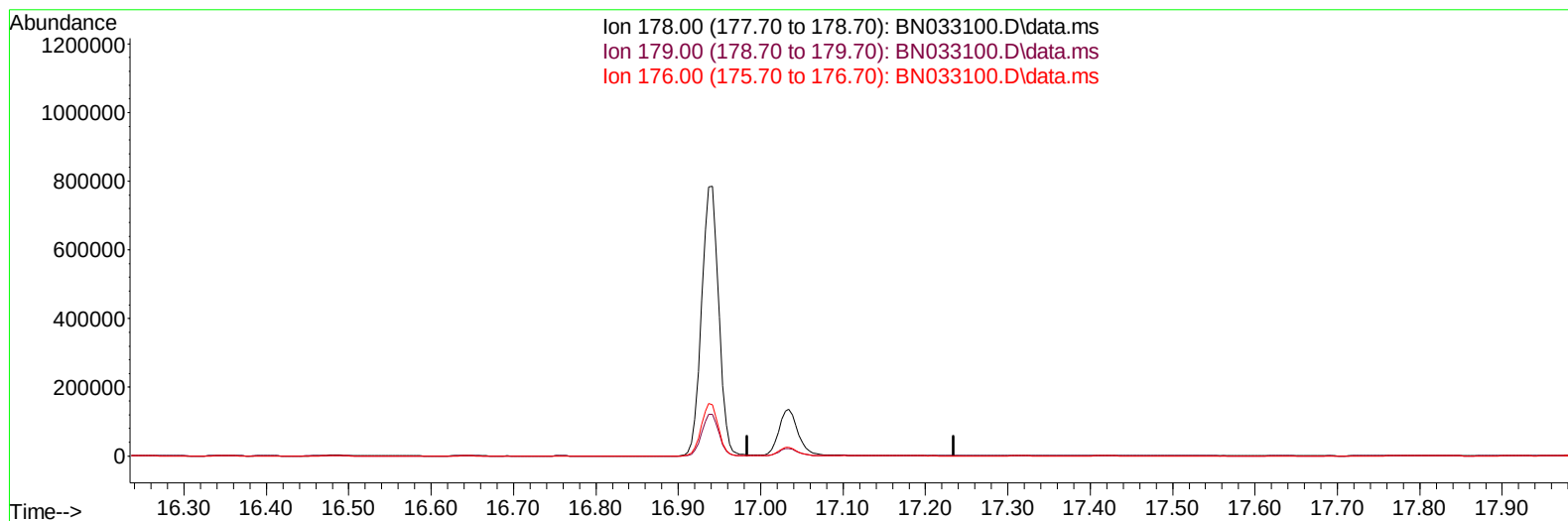
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033100.D
Acq On : 30 Jul 2024 11:26
Operator : MA/JU
Sample : P3336-09
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7E37

Manual IntegrationsAPPROVED

Quant Time: Jul 30 12:41:23 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 :Jagrut Upadhyay 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033100.D\data.ms

(16) Anthracene

17.084min (-17.084) 0.00 ng/ul

response 0

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

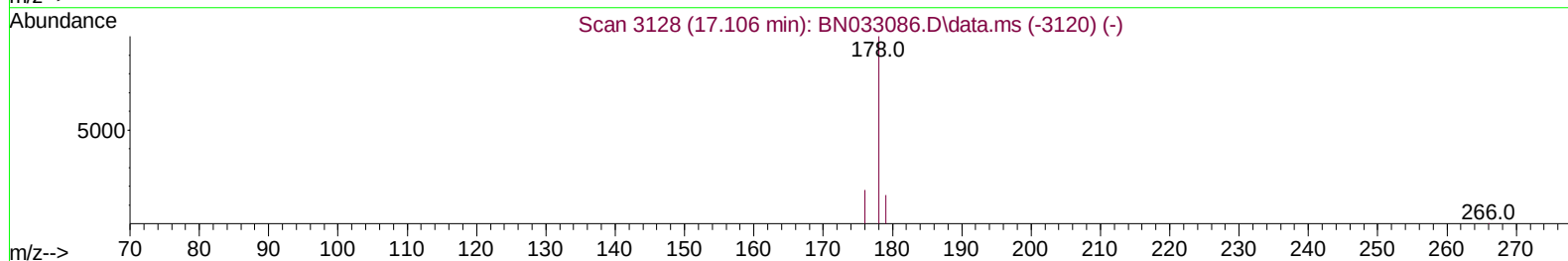
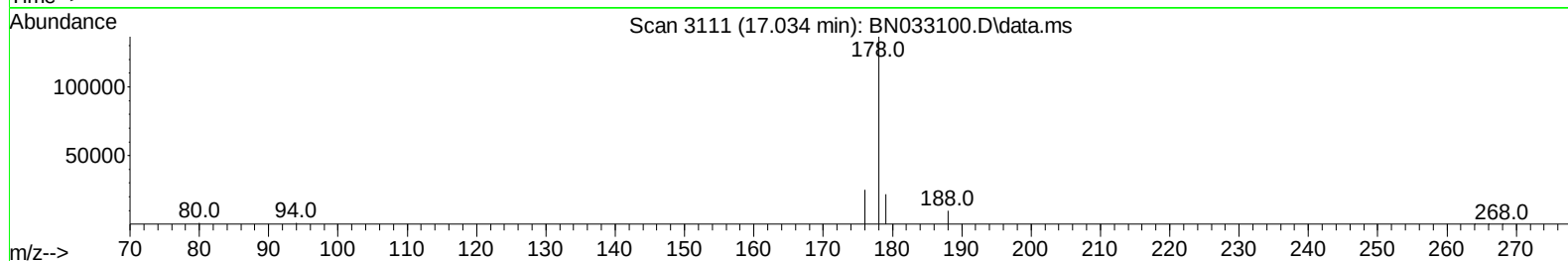
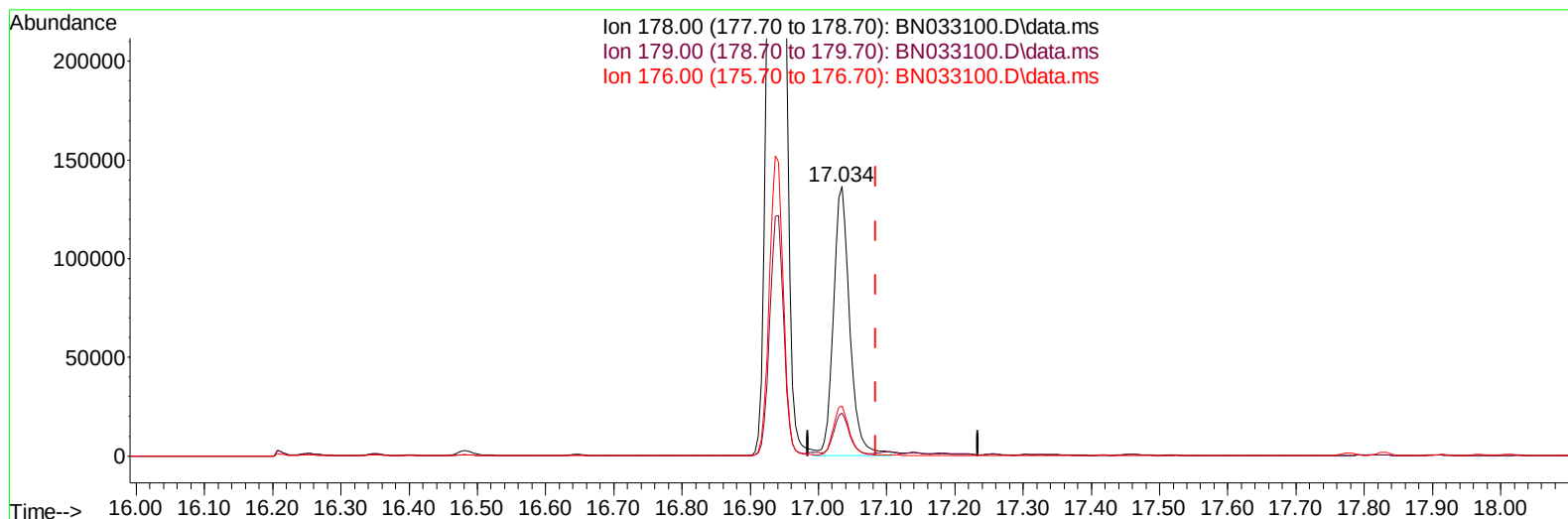
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
 Data File : BN033100.D
 Acq On : 30 Jul 2024 11:26
 Operator : MA/JU
 Sample : P3336-09
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 F7E37

Manual IntegrationsAPPROVED

Quant Time: Jul 30 12:41:23 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 :Jagrut Upadhyay 07/30/2024
 Supervised By :mohammad ahmed 07/31/2024



TIC: BN033100.D\data.ms

(16) Anthracene

17.034min (-0.050) 10.41 ng/ul m

response 227610

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.90	15.94
176.00	19.80	18.47
0.00	0.00	0.00

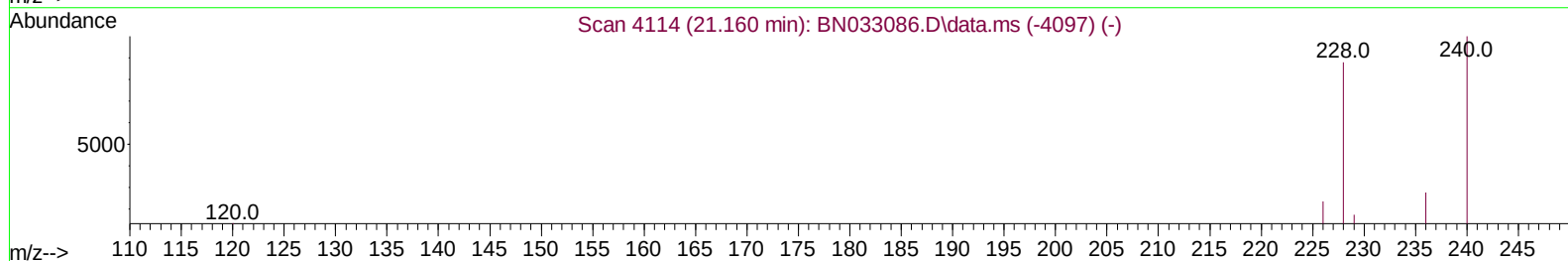
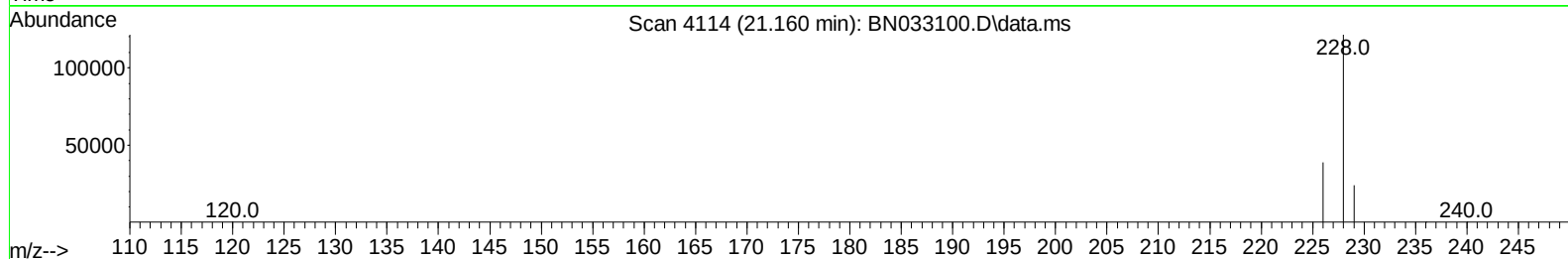
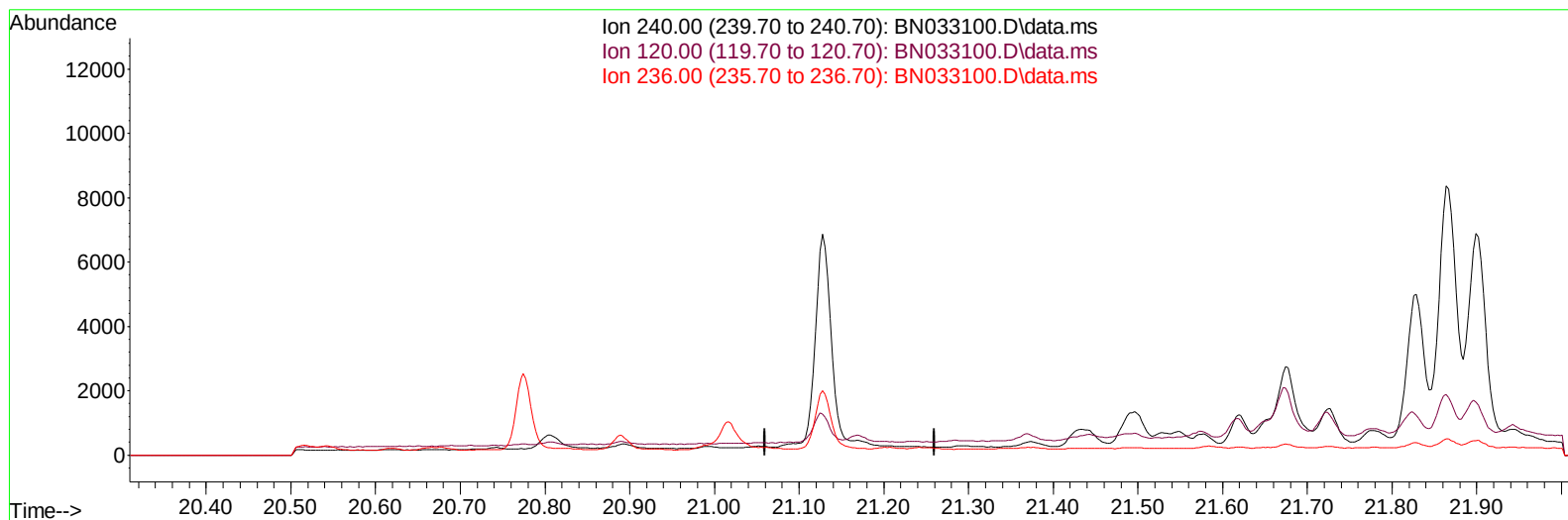
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033100.D
Acq On : 30 Jul 2024 11:26
Operator : MA/JU
Sample : P3336-09
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7E37

Manual IntegrationsAPPROVED

Quant Time: Jul 30 12:41:23 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

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TIC: BN033100.D\data.ms

(17) Chrysene-d12

21.160min (-21.160) 0.00 ng/u1

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

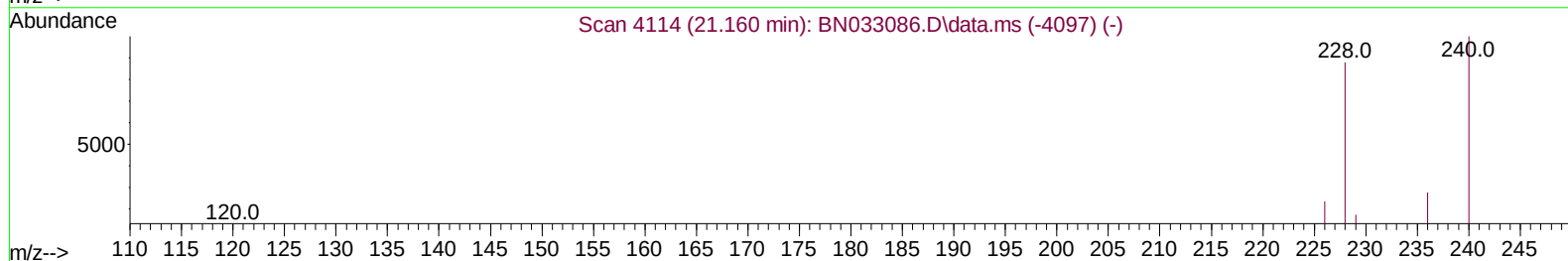
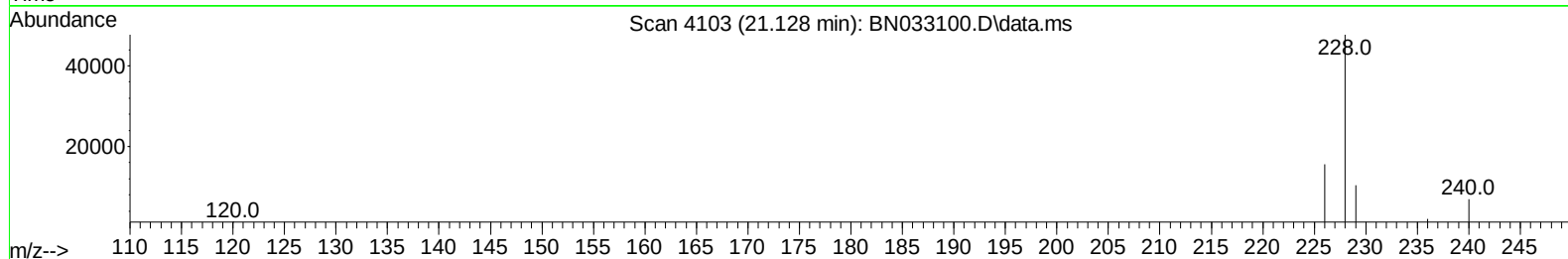
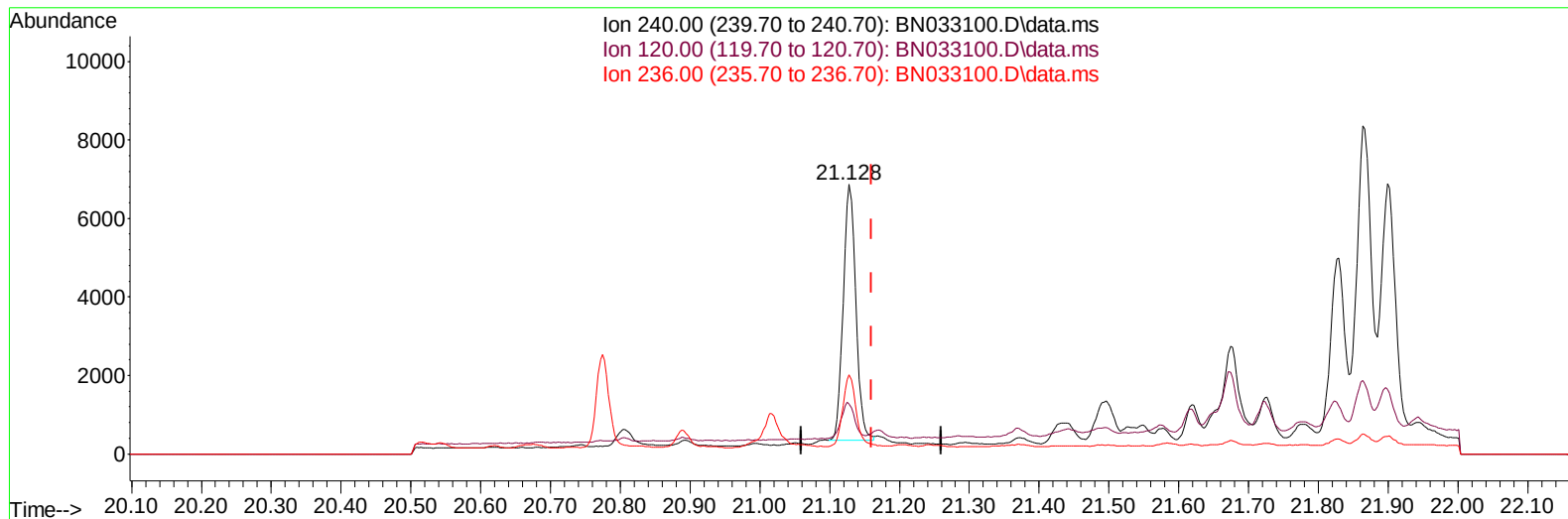
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033100.D
Acq On : 30 Jul 2024 11:26
Operator : MA/JU
Sample : P3336-09
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7E37

Manual IntegrationsAPPROVED

Quant Time: Jul 30 12:41:23 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 :Jagrut Upadhyay 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033100.D\data.ms

(17) Chrysene-d12

21.128min (-0.032) 0.40 ng/ul m

response 8166

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	21.40	18.44
236.00	29.50	29.27
0.00	0.00	0.00

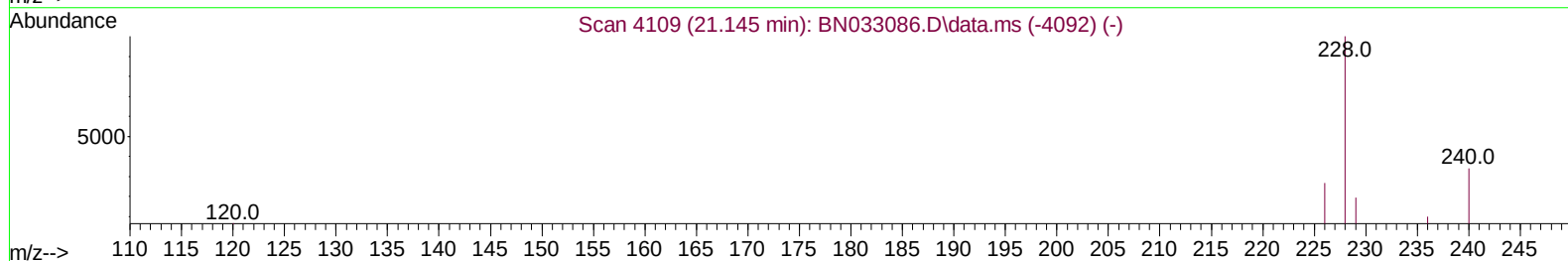
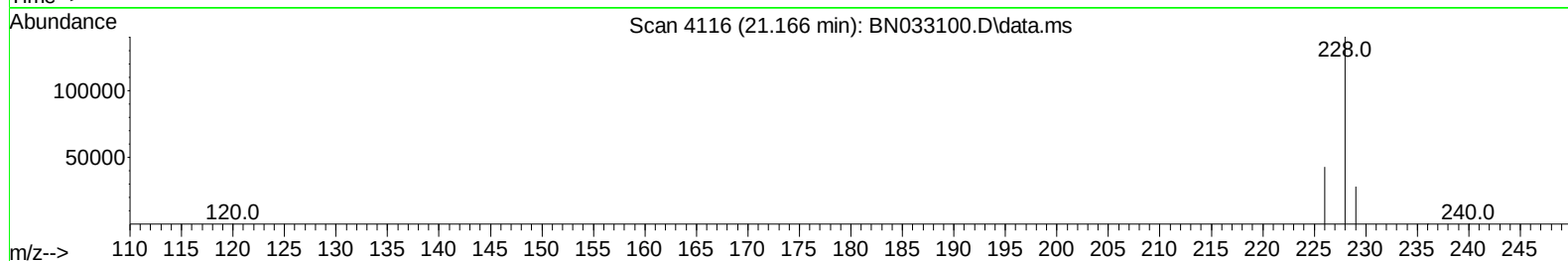
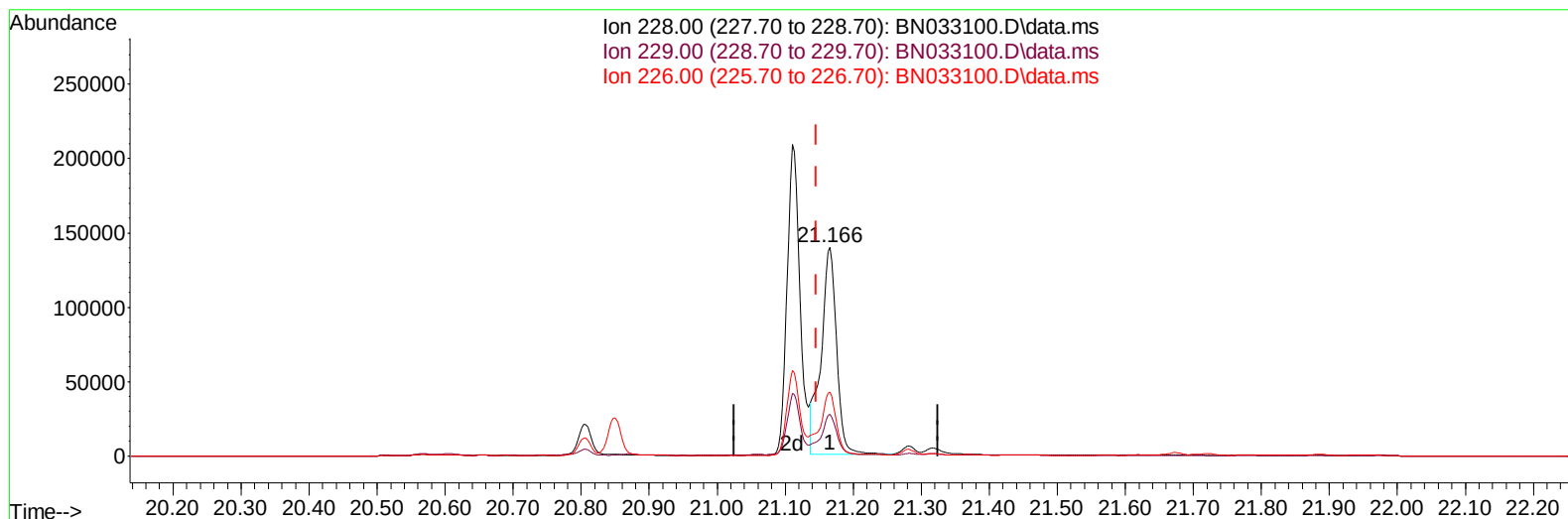
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033100.D
Acq On : 30 Jul 2024 11:26
Operator : MA/JU
Sample : P3336-09
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7E37

Manual IntegrationsAPPROVED

Quant Time: Jul 30 12:41:23 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

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TIC: BN033100.D\data.ms

(21) Benzo(a)anthracene

21.166min (+ 0.021) 8.01 ng/u1

response 223055

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	21.40	20.00
226.00	28.00	30.59
0.00	0.00	0.00

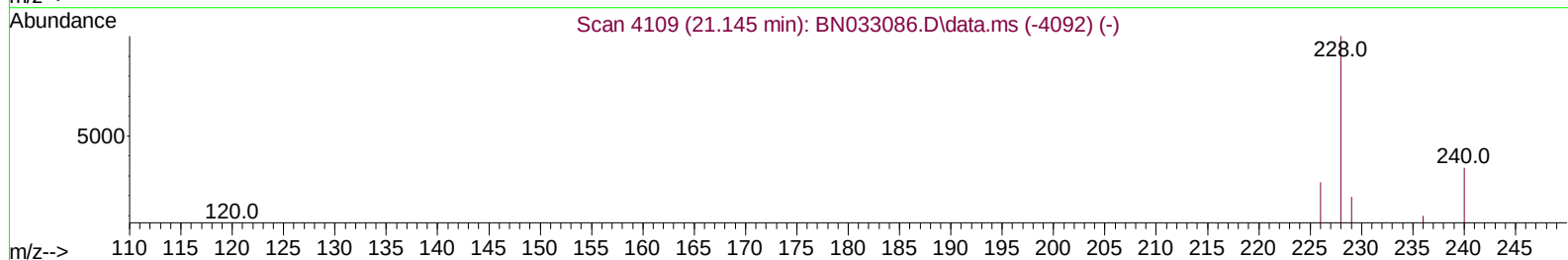
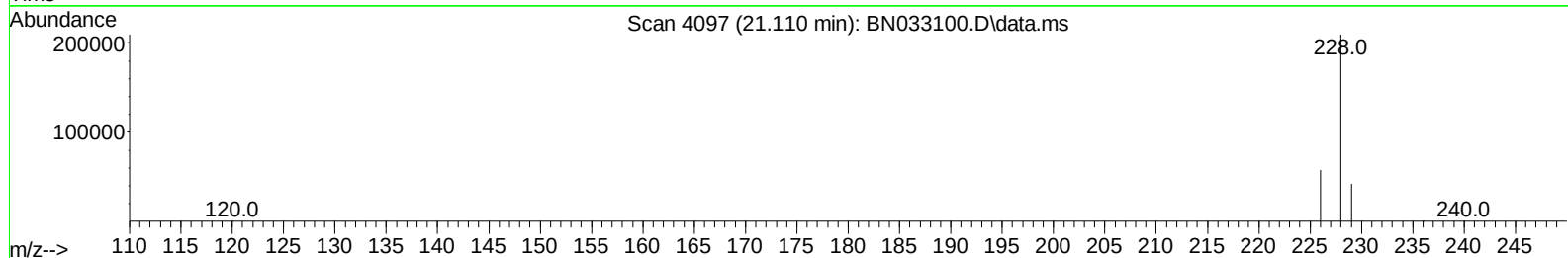
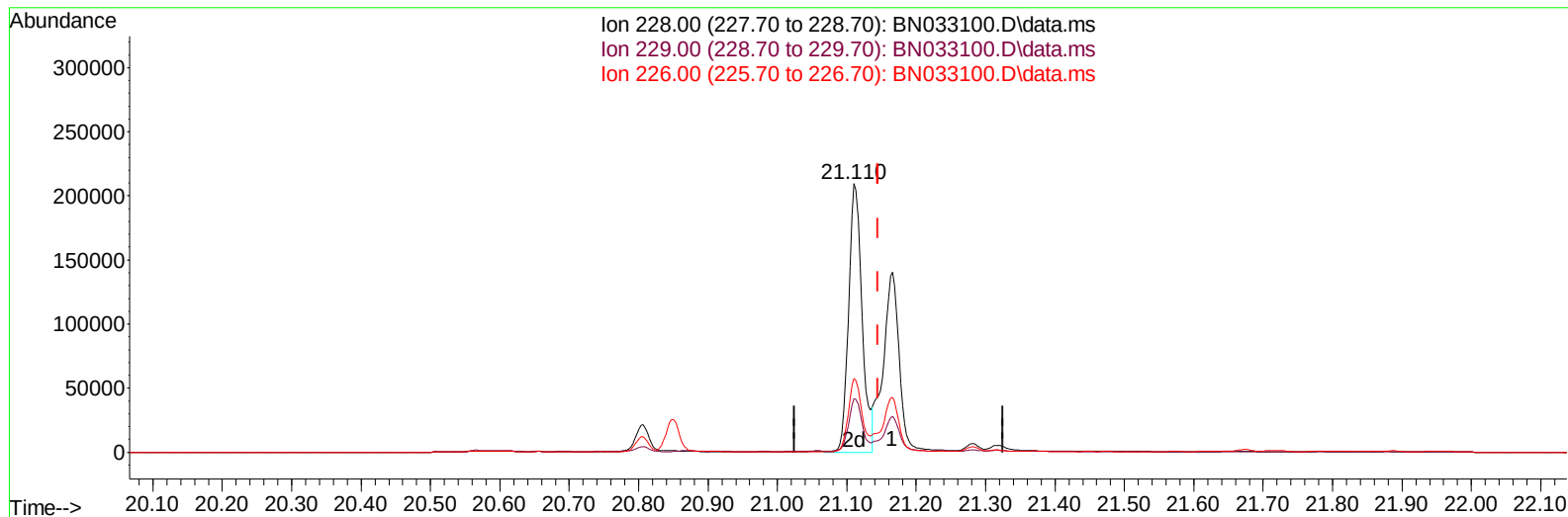
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033100.D
Acq On : 30 Jul 2024 11:26
Operator : MA/JU
Sample : P3336-09
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7E37

Manual IntegrationsAPPROVED

Quant Time: Jul 30 12:41:23 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 :Jagrut Upadhyay 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033100.D\data.ms

(21) Benzo(a)anthracene

21.110min (-0.035) 10.19 ng/ul m

response 283844

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	21.40	20.05
226.00	28.00	27.53
0.00	0.00	0.00

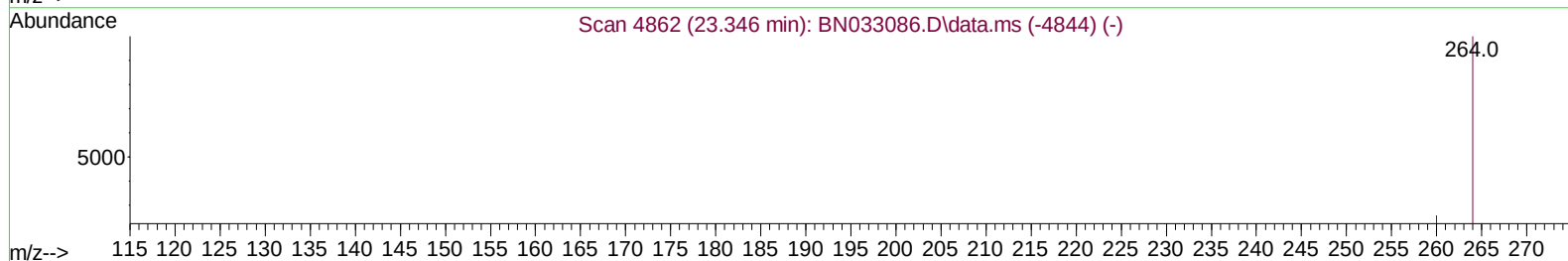
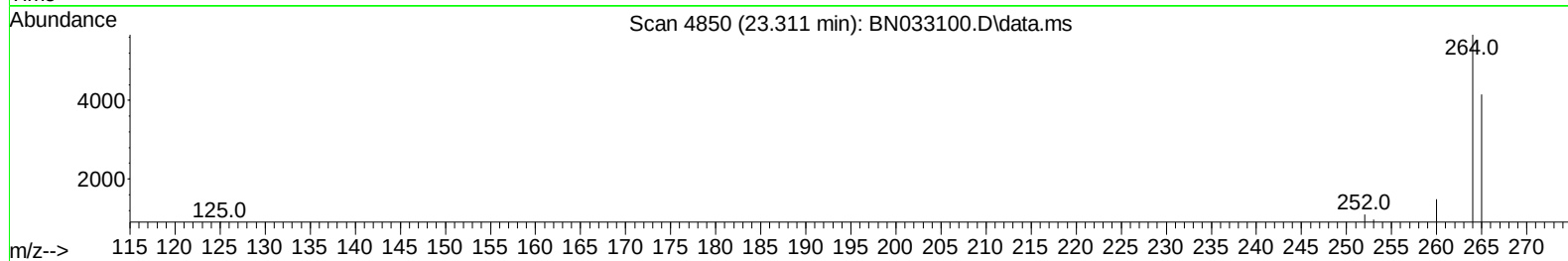
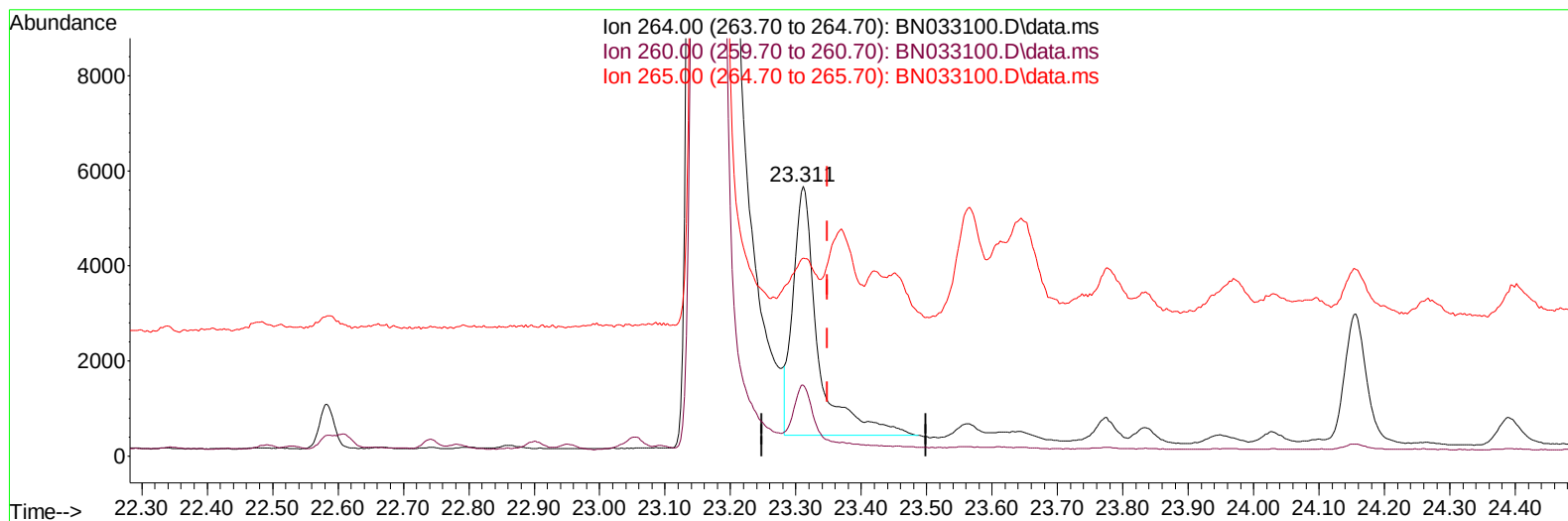
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033100.D
Acq On : 30 Jul 2024 11:26
Operator : MA/JU
Sample : P3336-09
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7E37

Manual IntegrationsAPPROVED

Quant Time: Jul 30 12:41:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
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TIC: BN033100.D\data.ms

(23) Perylene-d12 (I)

23.311min (-0.038) 0.40 ng/u1

response 14075

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.50	26.22
265.00	80.60	73.34
0.00	0.00	0.00

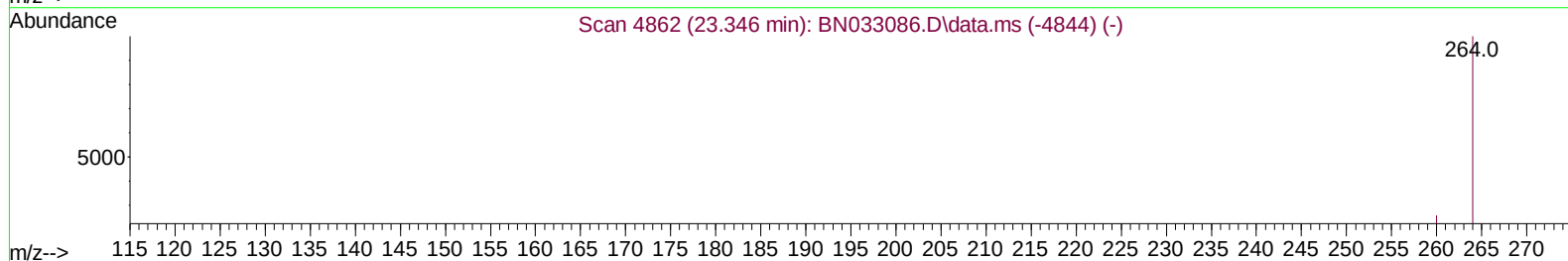
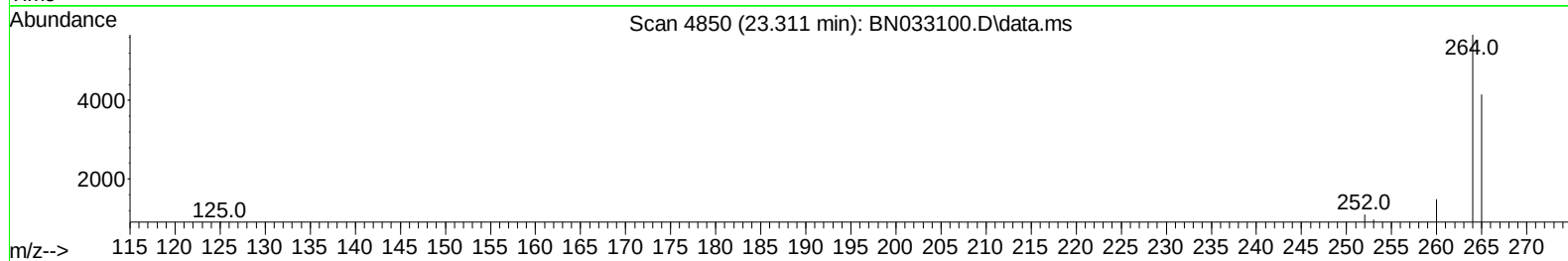
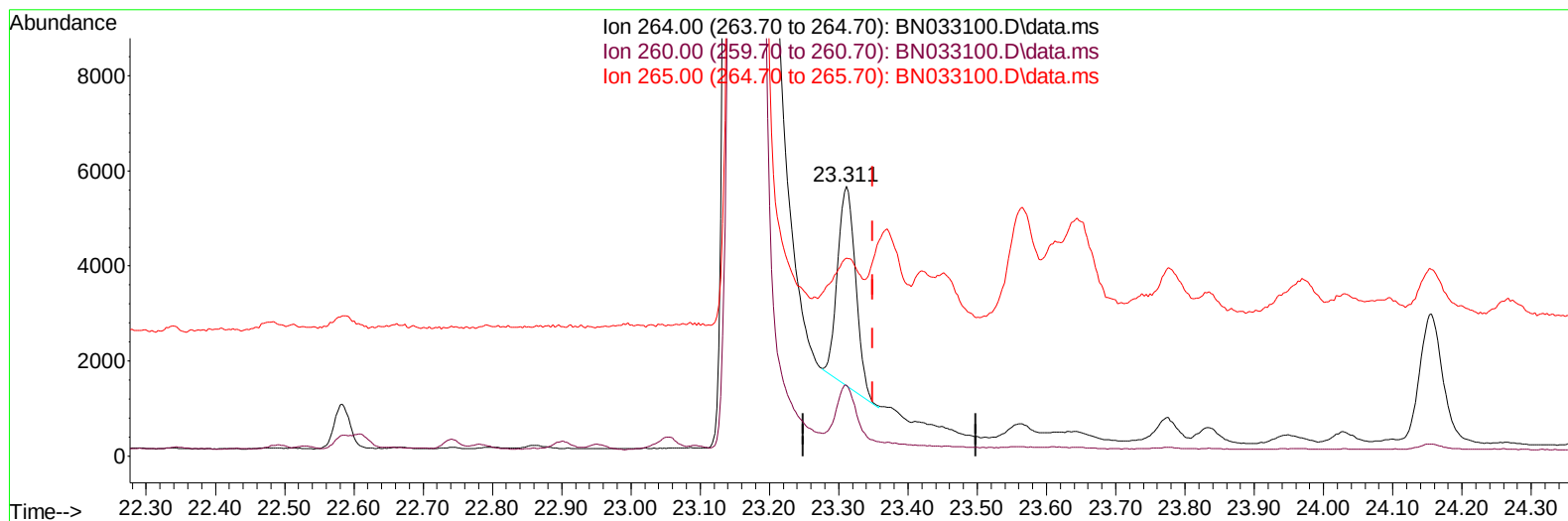
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033100.D
Acq On : 30 Jul 2024 11:26
Operator : MA/JU
Sample : P3336-09
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7E37

Manual IntegrationsAPPROVED

Quant Time: Jul 30 12:41:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033100.D\data.ms

(23) Perylene-d12 (I)

23.311min (-0.038) 0.40 ng/ul m

response 7575

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.50	26.22
265.00	80.60	73.34
0.00	0.00	0.00

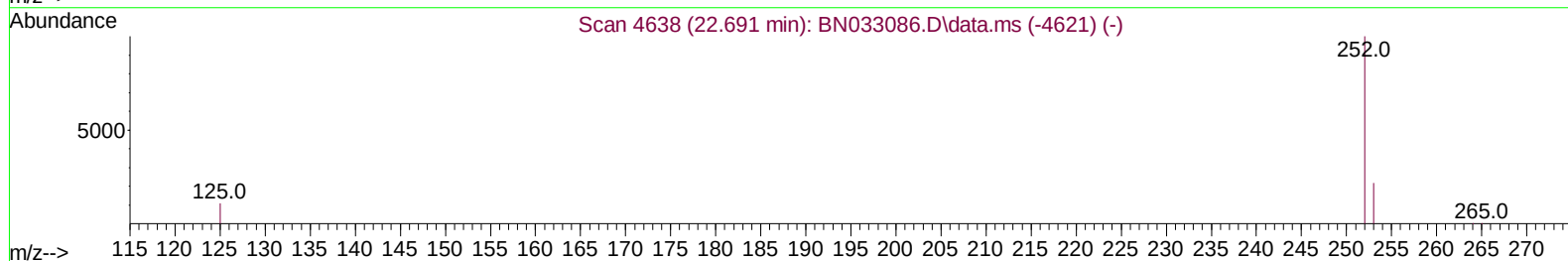
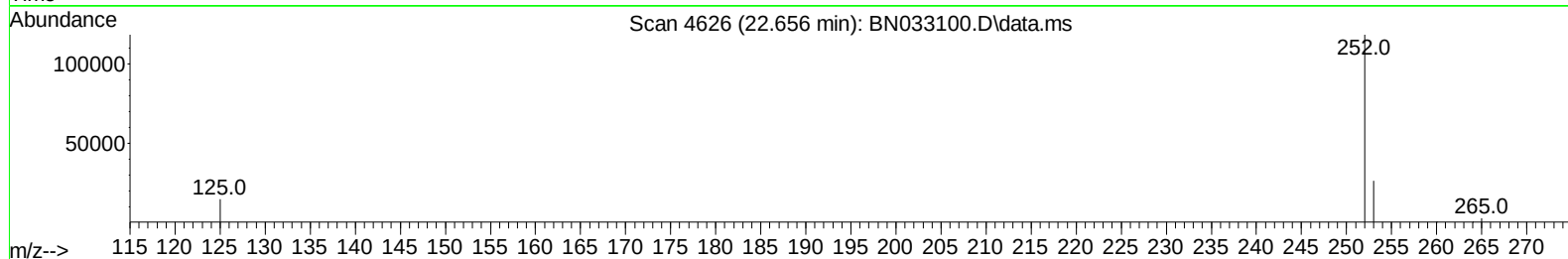
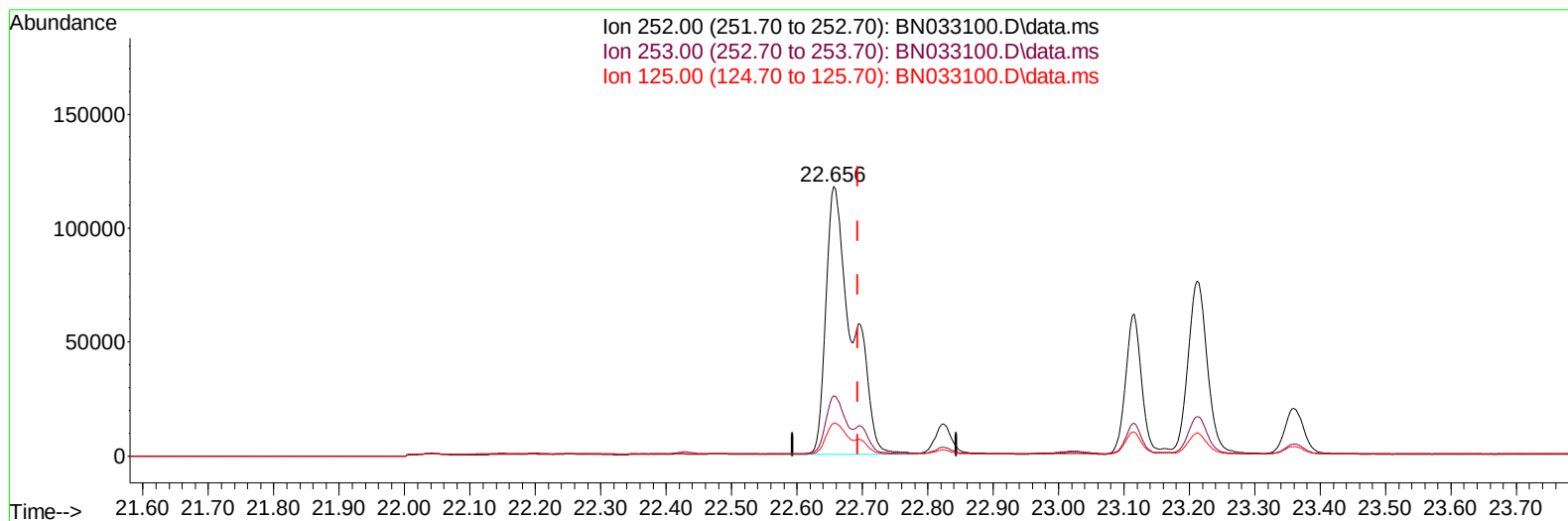
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033100.D
Acq On : 30 Jul 2024 11:26
Operator : MA/JU
Sample : P3336-09
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7E37

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 07/31/2024



TIC: BN033100.D\data.ms

(24) Benzo(b)fluoranthene

22.656min (-0.038) 14.95 ng/u1

response 330771

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.30	22.23
125.00	25.50	12.19
0.00	0.00	0.00

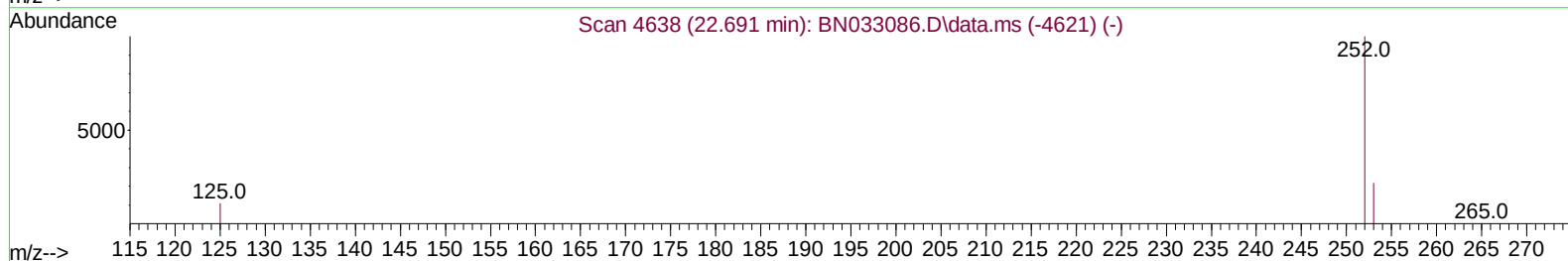
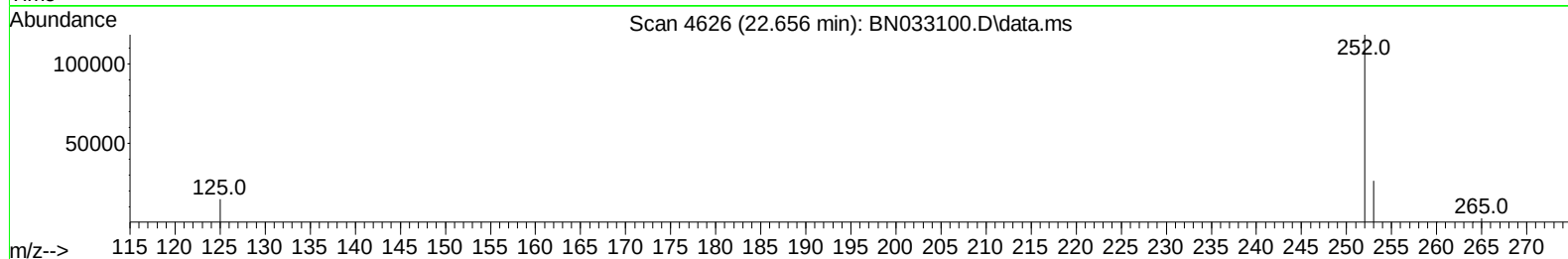
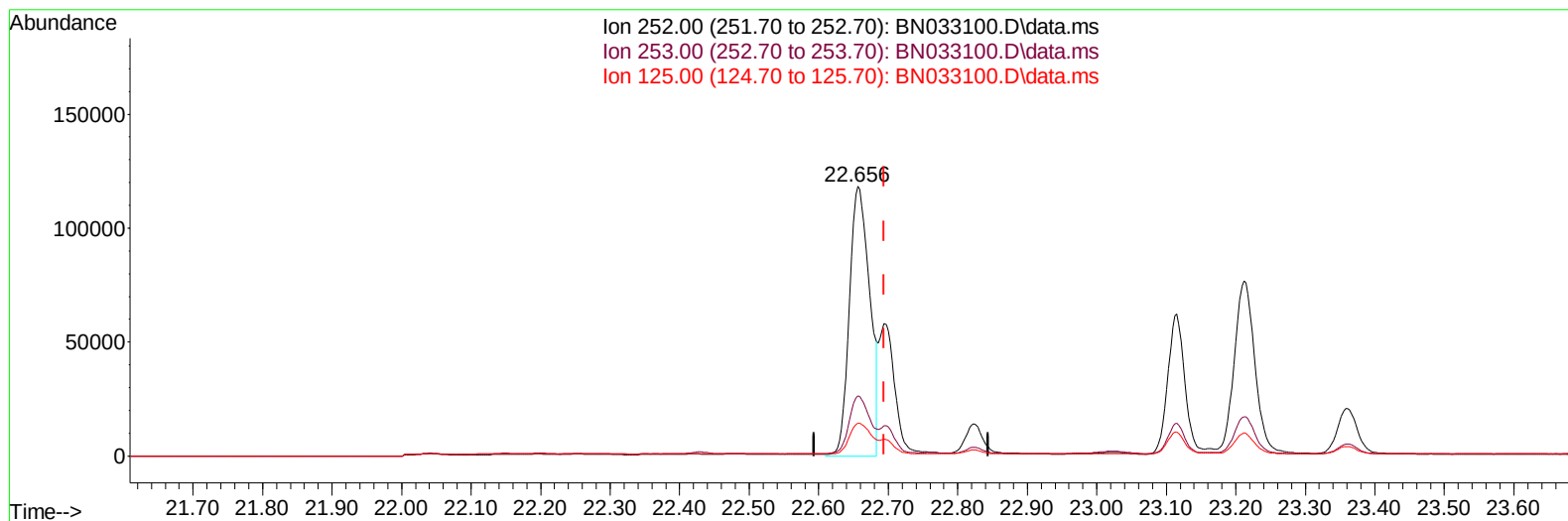
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033100.D
Acq On : 30 Jul 2024 11:26
Operator : MA/JU
Sample : P3336-09
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7E37

Manual IntegrationsAPPROVED

Quant Time: Jul 30 12:41:23 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 :Jagrut Upadhyay 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033100.D\data.ms

(24) Benzo(b)fluoranthene

22.656min (-0.038) 10.81 ng/ul m

response 239181

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.30	22.23
125.00	25.50	12.19
0.00	0.00	0.00

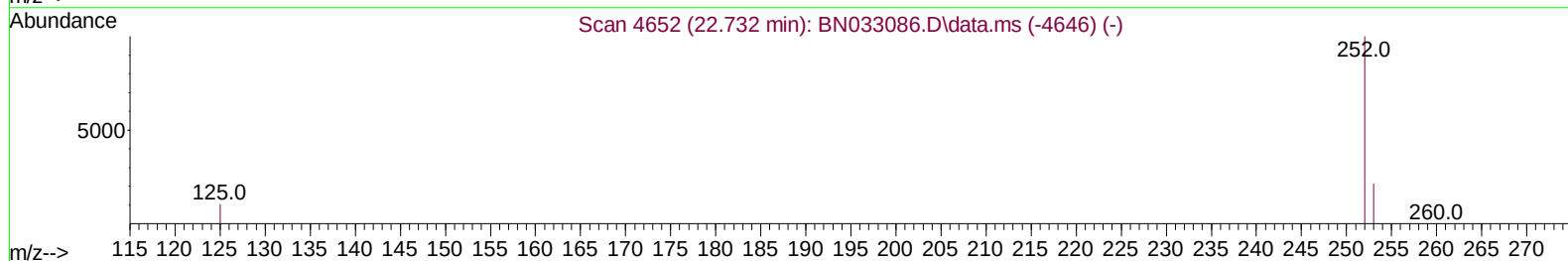
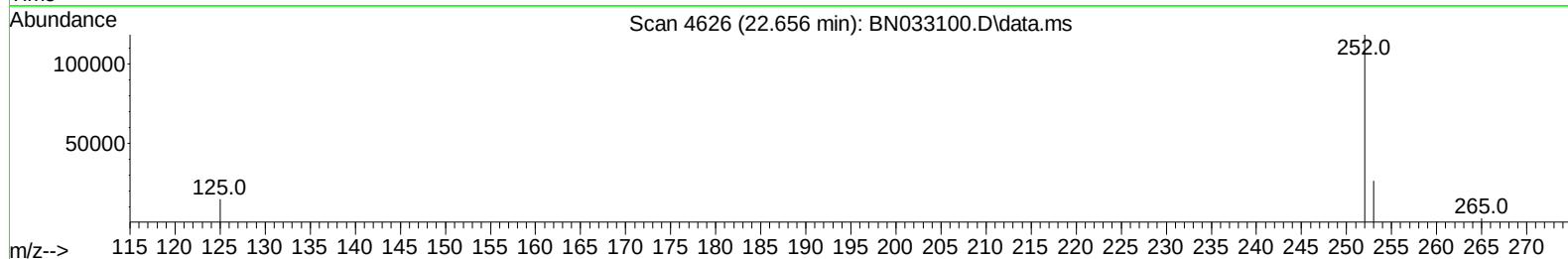
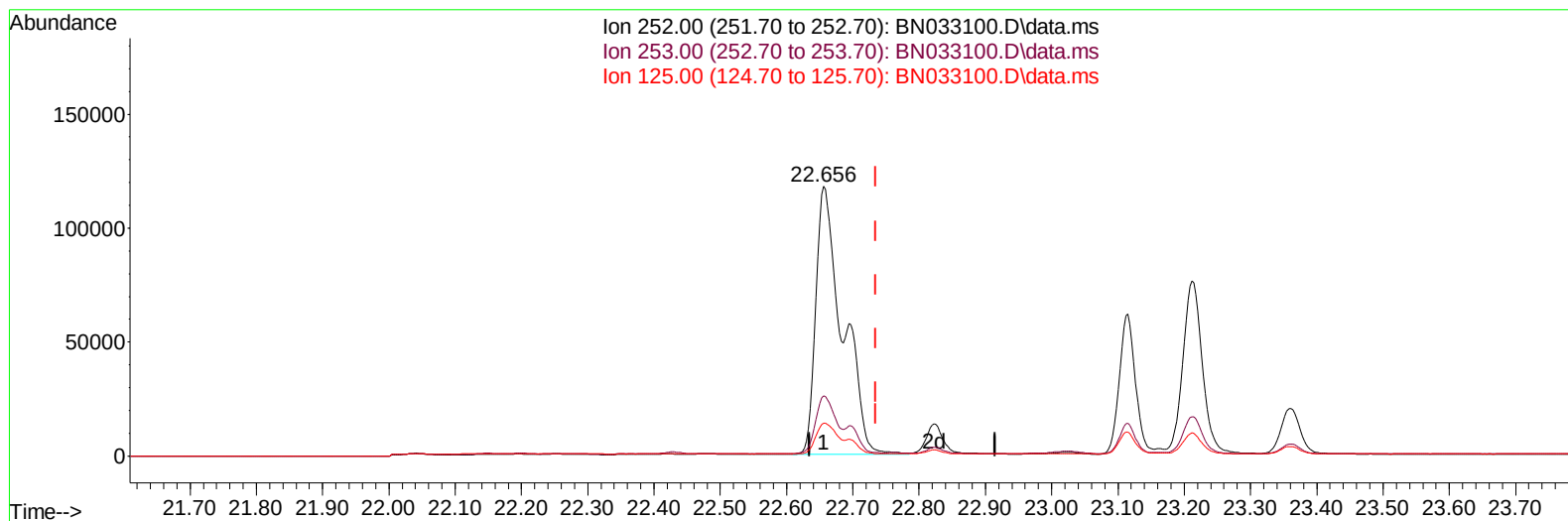
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Data File : BN033100.D
Acq On : 30 Jul 2024 11:26
Operator : MA/JU
Sample : P3336-09
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7E37

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/30/2024
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QLast Update : Mon Jul 29 23:04:40 2024
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TIC: BN033100.D\data.ms

(25) Benzo(k)fluoranthene

22.656min (-0.079) 12.45 ng/u1

response 330242

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.10	22.23#
125.00	26.10	12.19#
0.00	0.00	0.00

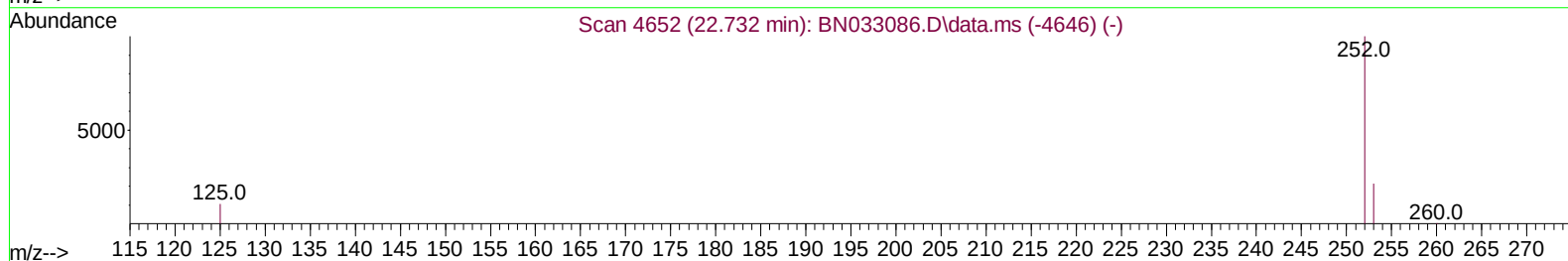
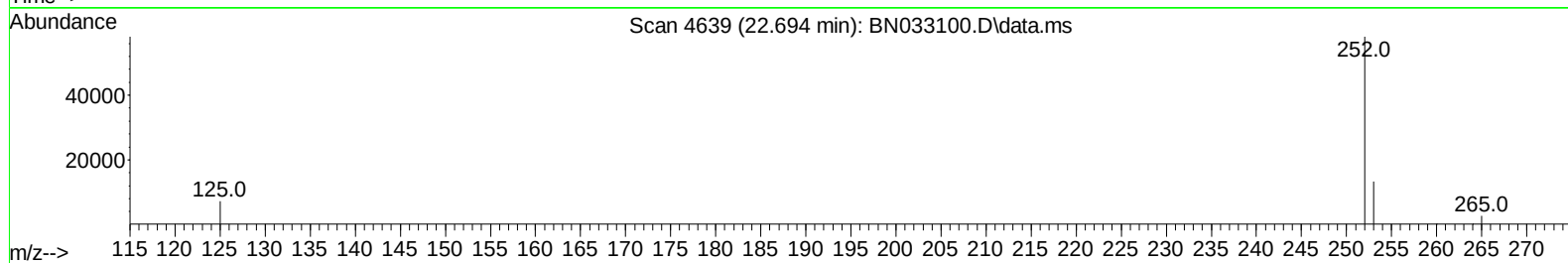
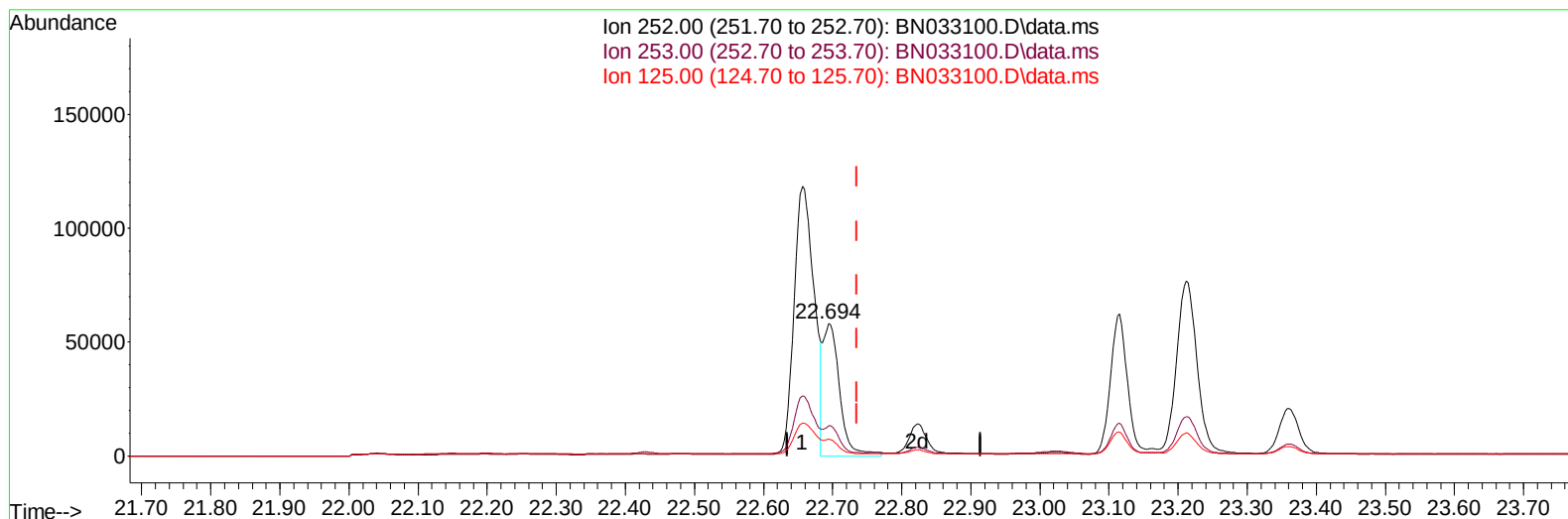
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033100.D
Acq On : 30 Jul 2024 11:26
Operator : MA/JU
Sample : P3336-09
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7E37

Manual IntegrationsAPPROVED

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Quant Time: Jul 30 12:41:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
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QLast Update : Mon Jul 29 23:04:40 2024
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TIC: BN033100.D\data.ms

(25) Benzo(k)fluoranthene

22.694min (-0.041) 3.68 ng/ul m

response 97500

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.10	22.87#
125.00	26.10	12.60#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
 Data File : BN033100.D
 Acq On : 30 Jul 2024 11:26
 Operator : MA/JU
 Sample : P3336-09
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 F7E37

Manual IntegrationsAPPROVED

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.491	152	1577	0.400	ng/ul	-0.04
4) Naphthalene-d8	10.246	136	5945	0.400	ng/ul	-0.05
9) Acenaphthene-d10	14.134	164	4037	0.400	ng/ul	#-0.04
13) Phenanthrene-d10	16.899	188	9065m	0.400	ng/ul	-0.05
17) Chrysene-d12	21.128	240	8166m	0.400	ng/ul	-0.03
23) Perylene-d12	23.311	264	7575m	0.400	ng/ul	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.052	96	11089	5.559	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	11.862	152	3793	0.391	ng/ul	-0.05
18) Fluoranthene-d10	18.944	212	10632	0.460	ng/ul	-0.04
Target Compounds				Qvalue		
5) Naphthalene	10.295	128	74629	4.888	ng/ul#	92
7) 2-Methylnaphthalene	11.939	142	8957	0.866	ng/ul	96
8) 1-Methylnaphthalene	12.159	142	3933	0.352	ng/ul	99
10) Acenaphthylene	13.856	152	21252	1.286	ng/ul	98
11) Acenaphthene	14.199	153	36907	2.970	ng/ul	99
12) Fluorene	15.198	166	84127	5.808	ng/ul	99
15) Phenanthrene	16.941	178	1136882m	46.757	ng/ul	
16) Anthracene	17.034	178	227610m	10.412	ng/ul	
19) Fluoranthene	18.977	202	1185676	44.098	ng/ul	96
20) Pyrene	19.344	202	864787	29.992	ng/ul	96
21) Benzo(a)anthracene	21.110	228	283844m	10.190	ng/ul	
22) Chrysene	21.166	228	224057	6.893	ng/ul	99
24) Benzo(b)fluoranthene	22.656	252	239181m	10.809	ng/ul	
25) Benzo(k)fluoranthene	22.694	252	97500m	3.677	ng/ul	
26) Benzo(a)pyrene	23.212	252	155707	7.477	ng/ul#	72
27) Indeno(1,2,3-cd)pyrene	25.500	276	77241	2.439	ng/ul#	88
28) Dibenzo(a,h)anthracene	25.497	278	17366	0.692	ng/ul	94
29) Benzo(g,h,i)perylene	26.174	276	68167	2.709	ng/ul#	91

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
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Operator : MA/JU
Sample : P3336-09
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
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Manual IntegrationsAPPROVED

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