

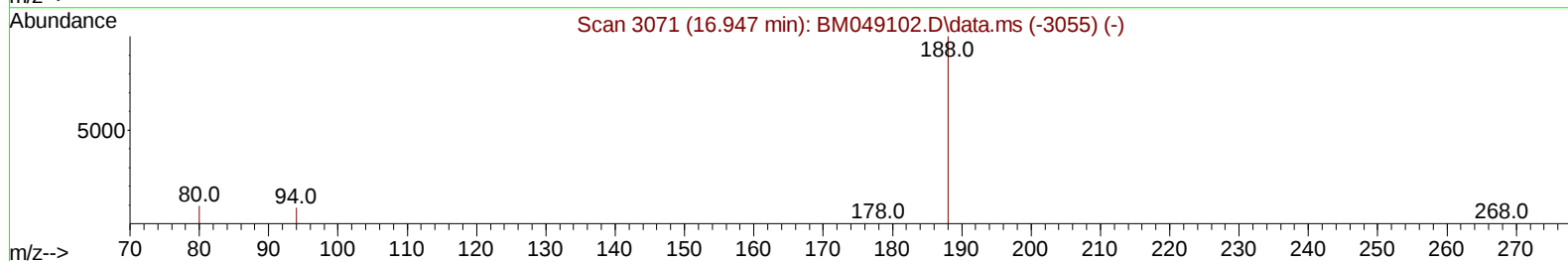
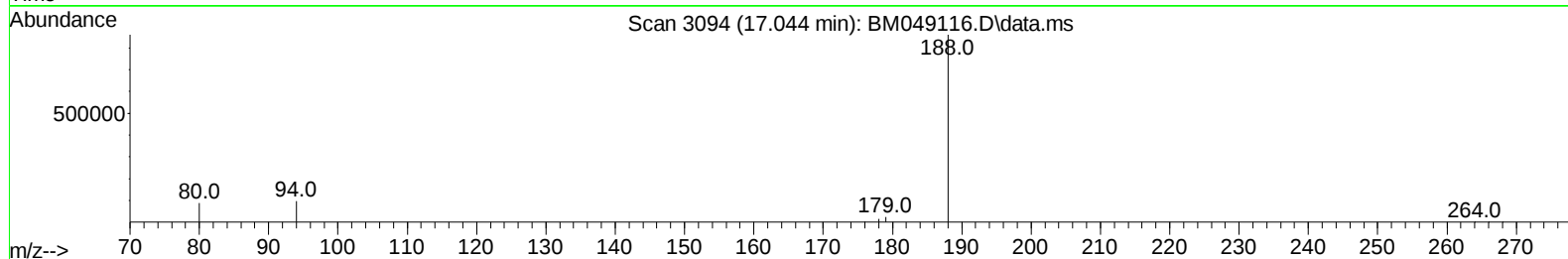
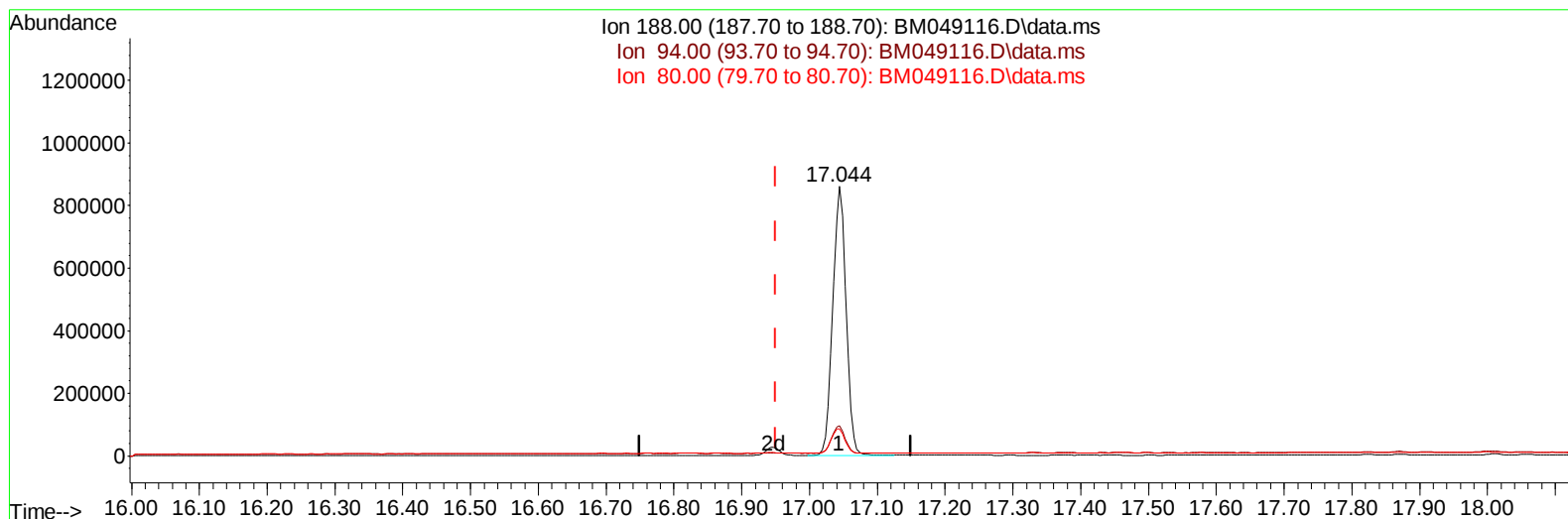
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
 Data File : BM049116.D
 Acq On : 21 Dec 2024 00:38
 Operator : RC/JU
 Sample : P5265-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28Z8

Manual IntegrationsAPPROVED

Quant Time: Dec 21 01:06:53 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 18 15:33:13 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2024
 Supervised By :mohammad ahmed 12/24/2024



TIC: BM049116.D\data.ms

(13) Phenanthrene-d10 (I)

17.044min (+ 0.094) 0.40 ng/u1

response 1166009

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	11.15
80.00	10.70	10.15
0.00	0.00	0.00

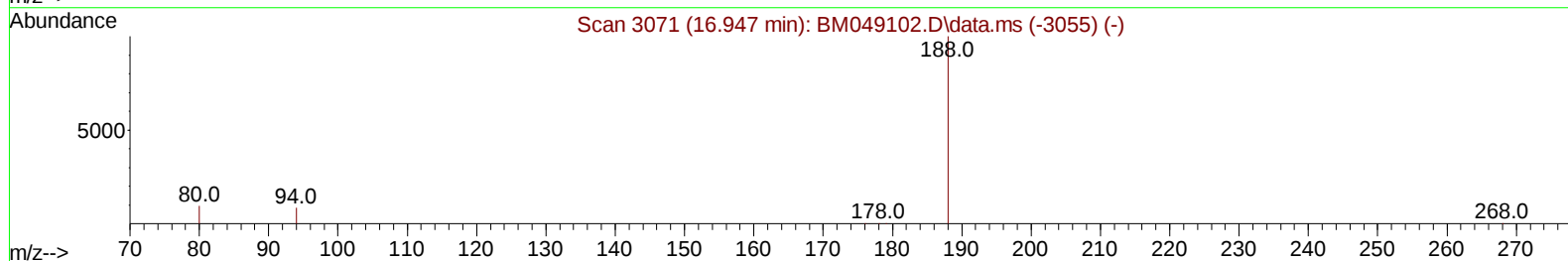
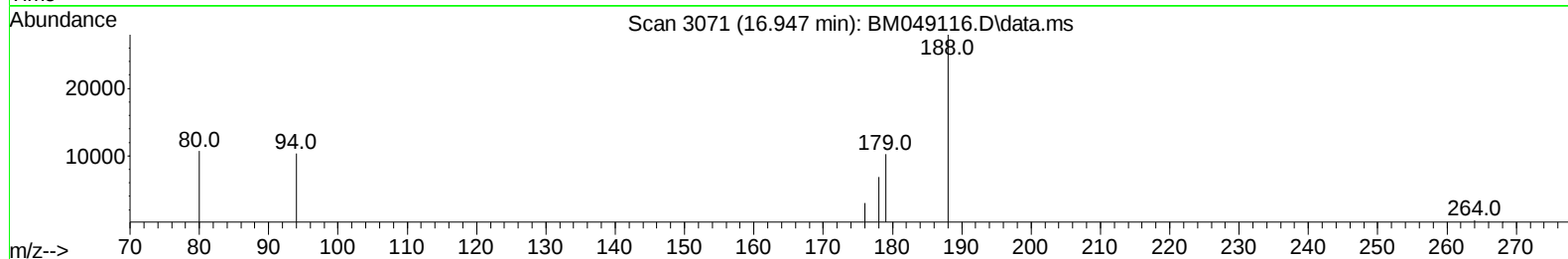
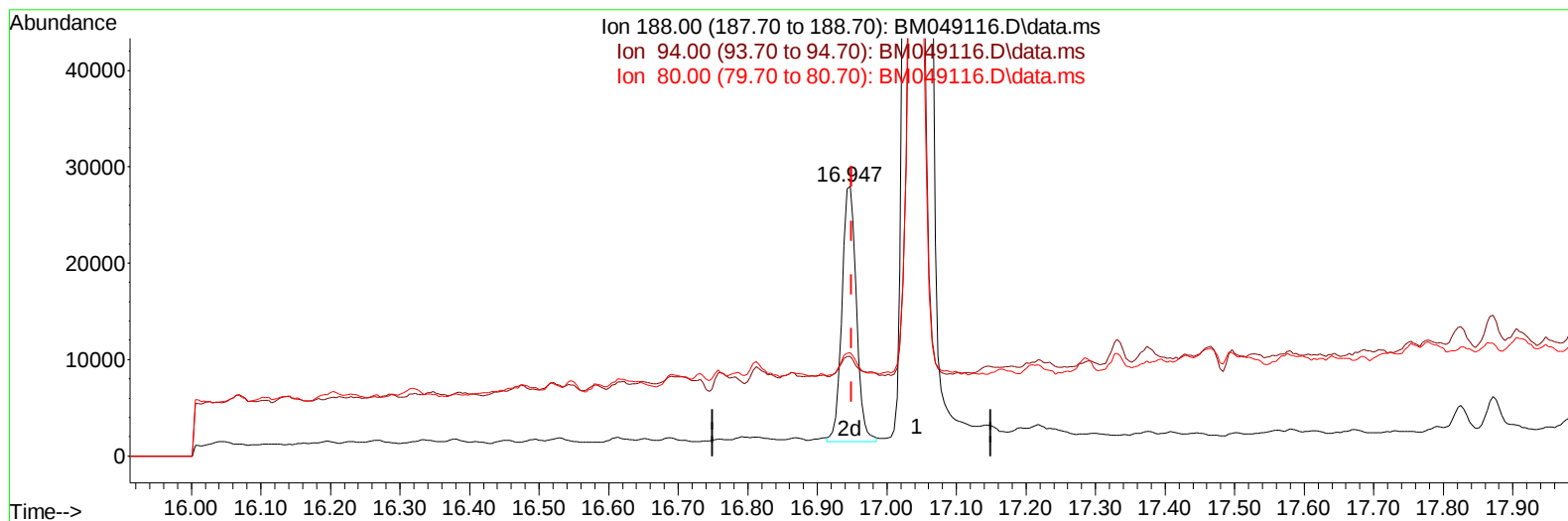
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049116.D
Acq On : 21 Dec 2024 00:38
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Instrument :
BNA_M
ClientSampleId :
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Manual IntegrationsAPPROVED

Quant Time: Dec 21 01:06:53 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
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Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BM049116.D\data.ms

(13) Phenanthrene-d10 (I)

16.947min (-0.003) 0.40 ng/ul m

response 38236

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	36.88#
80.00	10.70	38.25#
0.00	0.00	0.00

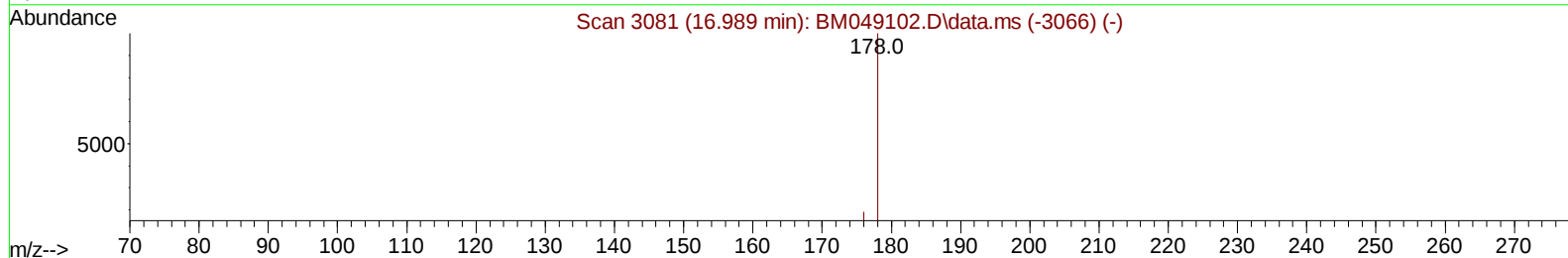
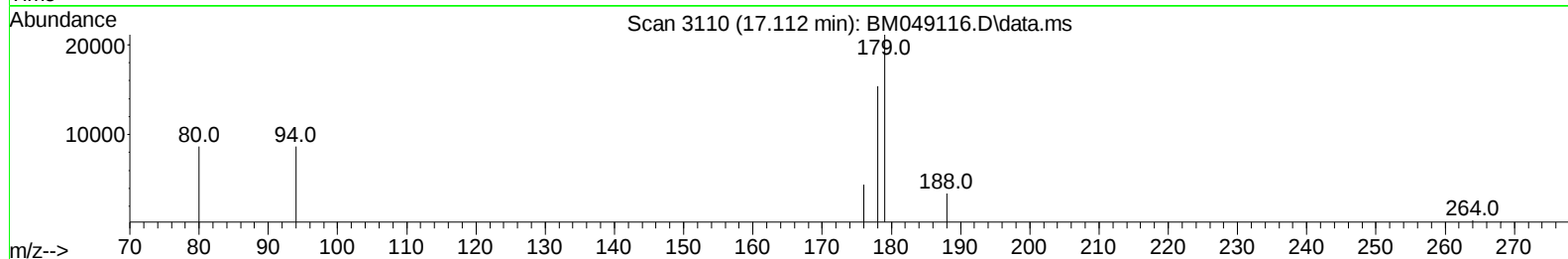
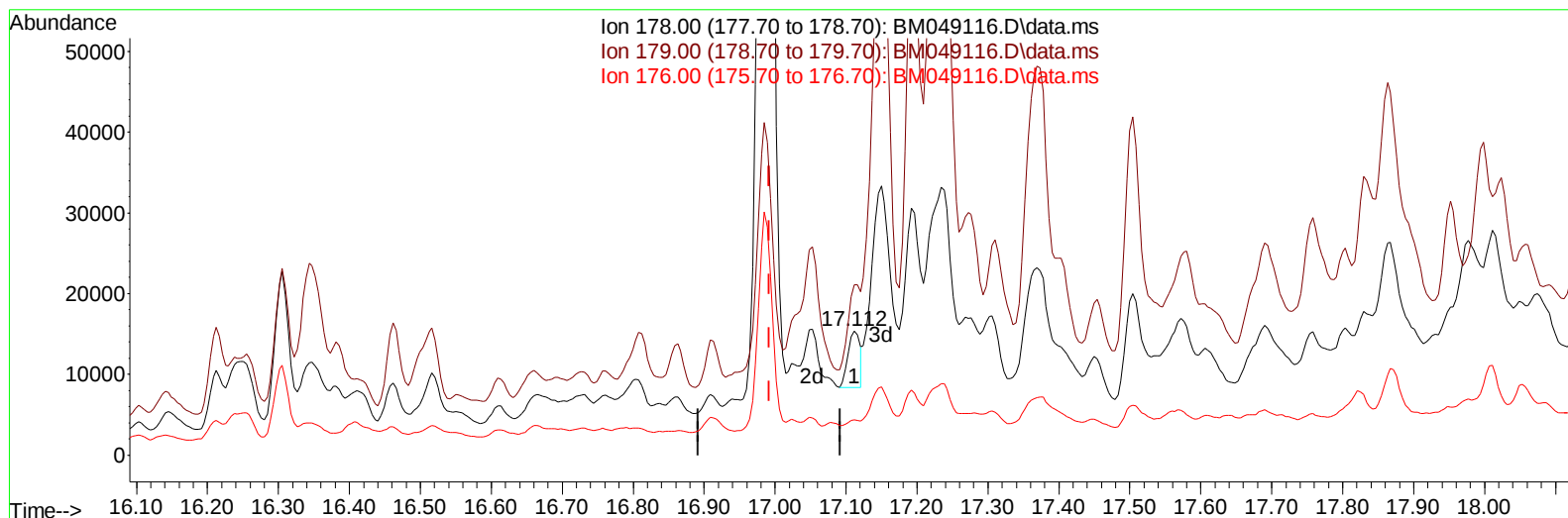
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049116.D
Acq On : 21 Dec 2024 00:38
Operator : RC/JU
Sample : P5265-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Z8

Manual IntegrationsAPPROVED

Quant Time: Dec 21 01:06:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

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Supervised By :mohammad ahmed 12/24/2024



TIC: BM049116.D\data.ms

(15) Phenanthrene

17.112min (+ 0.119) 0.08 ng/u1

response 8260

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	137.07#
176.00	20.20	28.57#
0.00	0.00	0.00

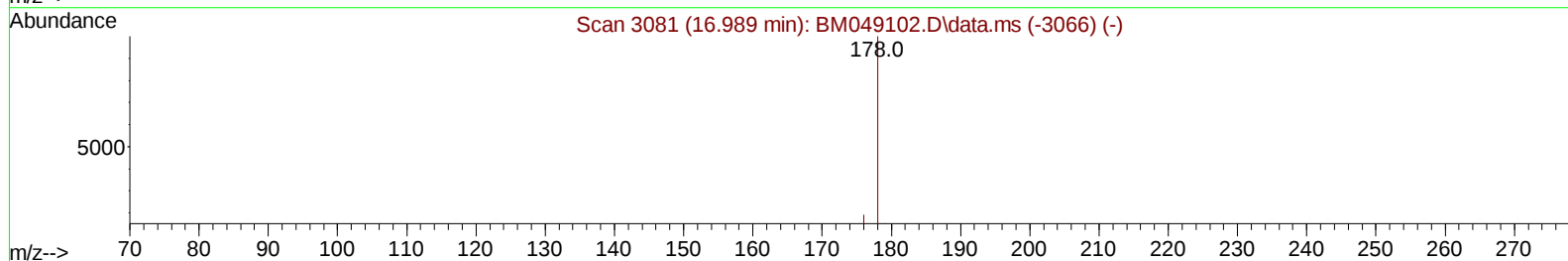
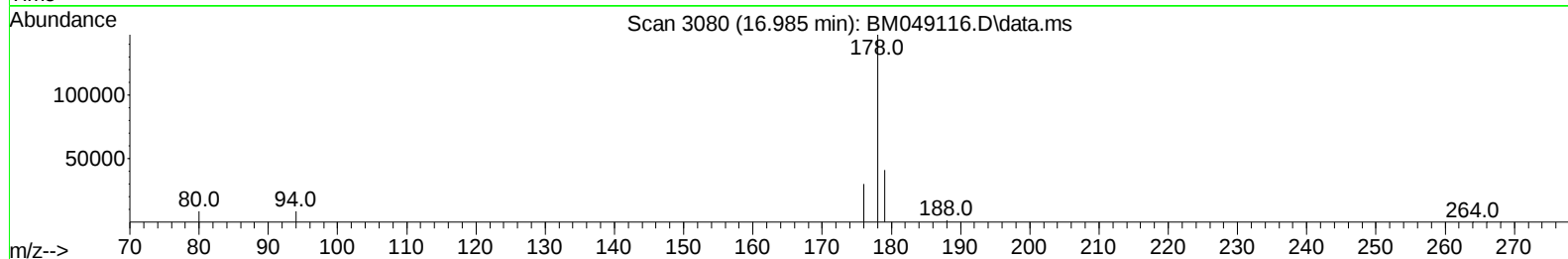
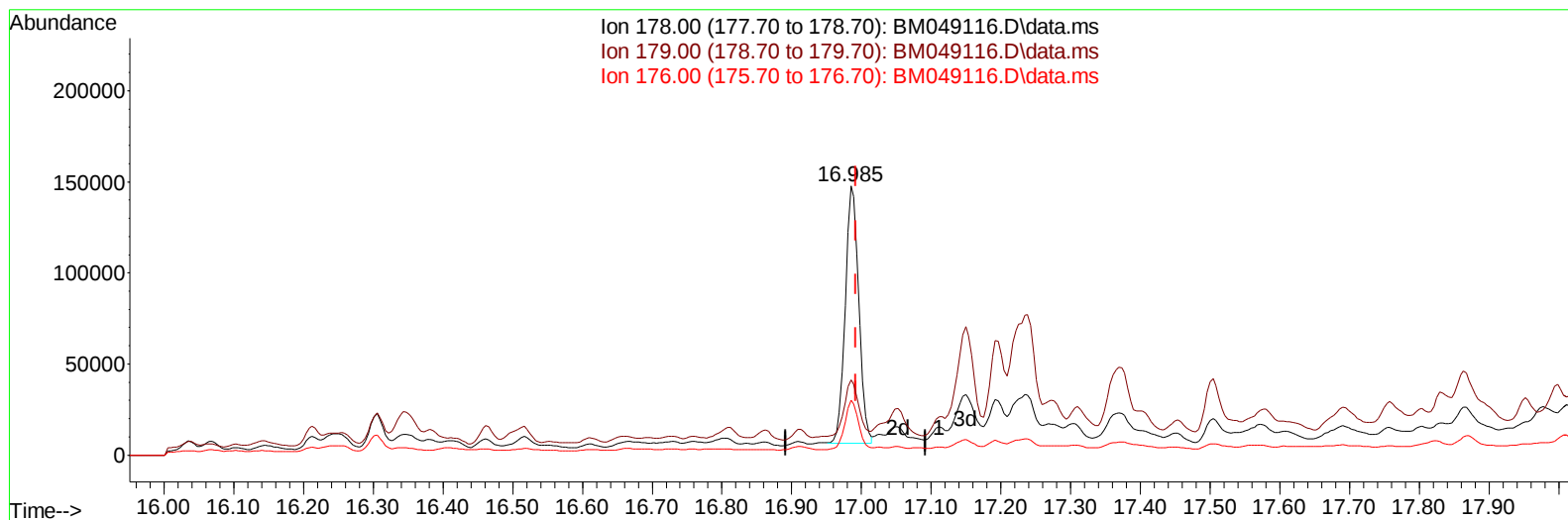
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049116.D
Acq On : 21 Dec 2024 00:38
Operator : RC/JU
Sample : P5265-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Z8

Manual IntegrationsAPPROVED

Quant Time: Dec 21 01:06:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BM049116.D\data.ms

(15) Phenanthrene

16.985min (-0.007) 1.93 ng/u1 m

response 192656

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	27.88#
176.00	20.20	20.39
0.00	0.00	0.00

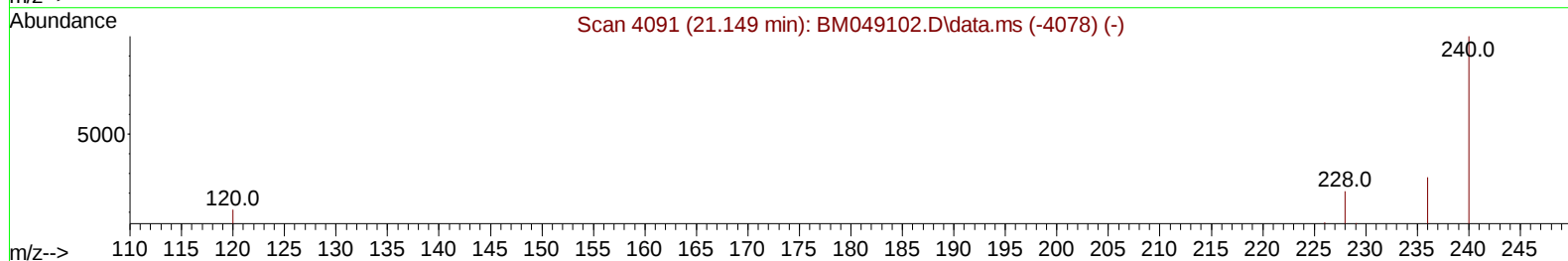
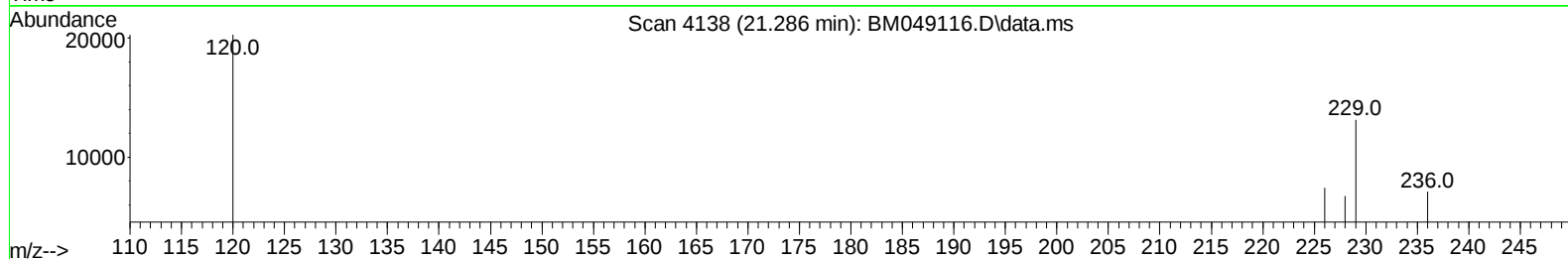
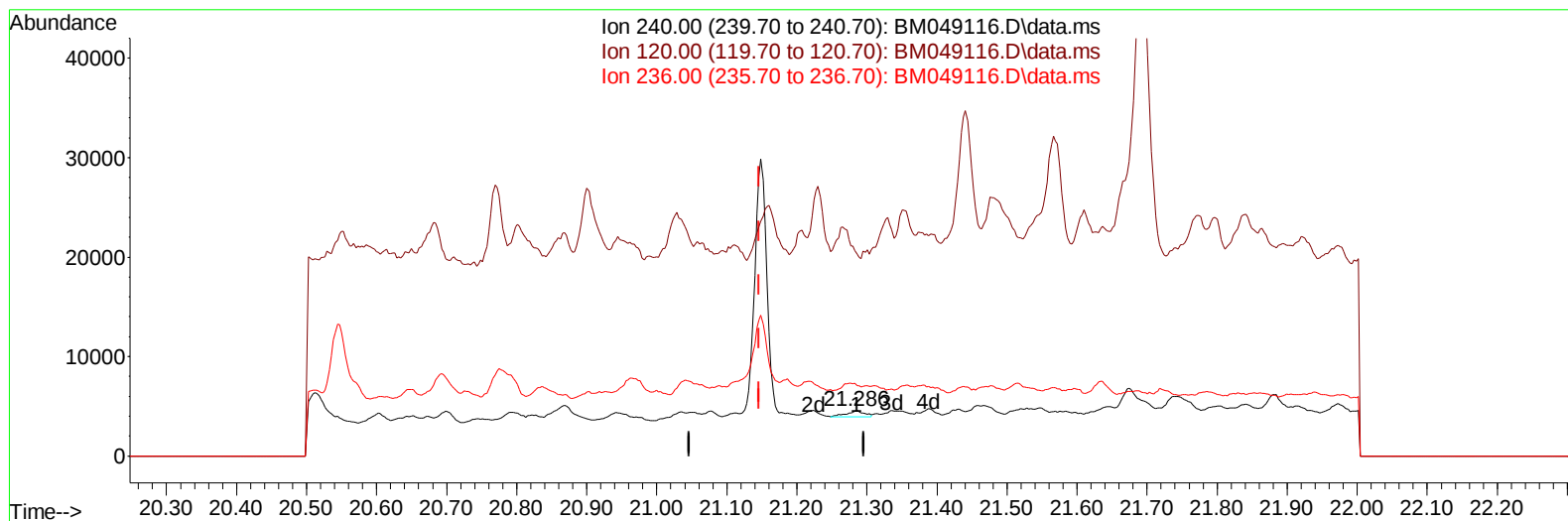
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049116.D
Acq On : 21 Dec 2024 00:38
Operator : RC/JU
Sample : P5265-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Z8

Manual IntegrationsAPPROVED

Quant Time: Dec 21 01:06:53 2024
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TIC: BM049116.D\data.ms

(17) Chrysene-d12

21.286min (+ 0.140) 0.40 ng/u1

response 1051

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	14.50	445.17#
236.00	29.80	155.87#
0.00	0.00	0.00

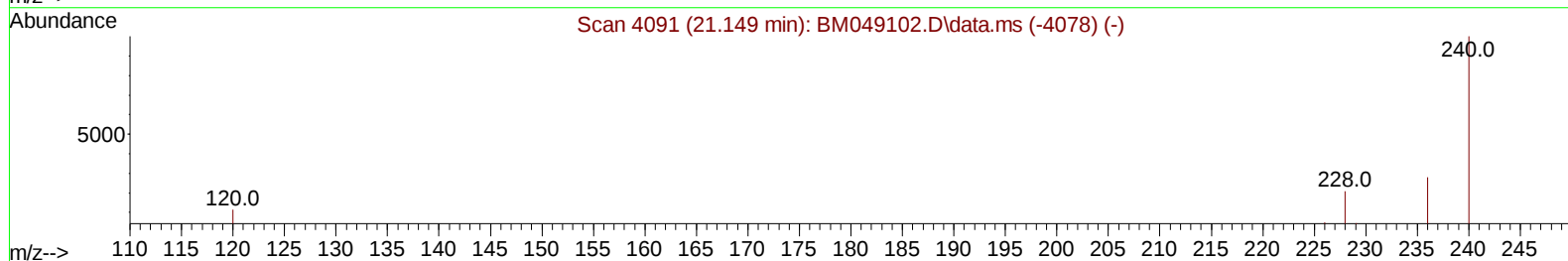
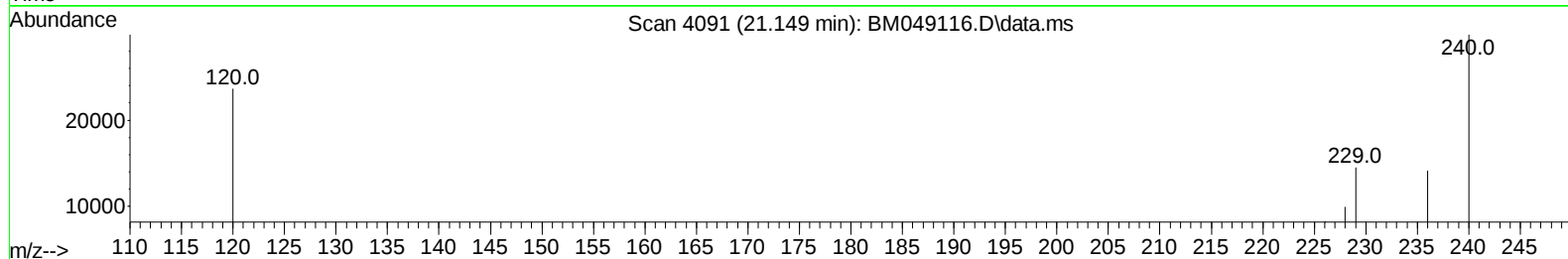
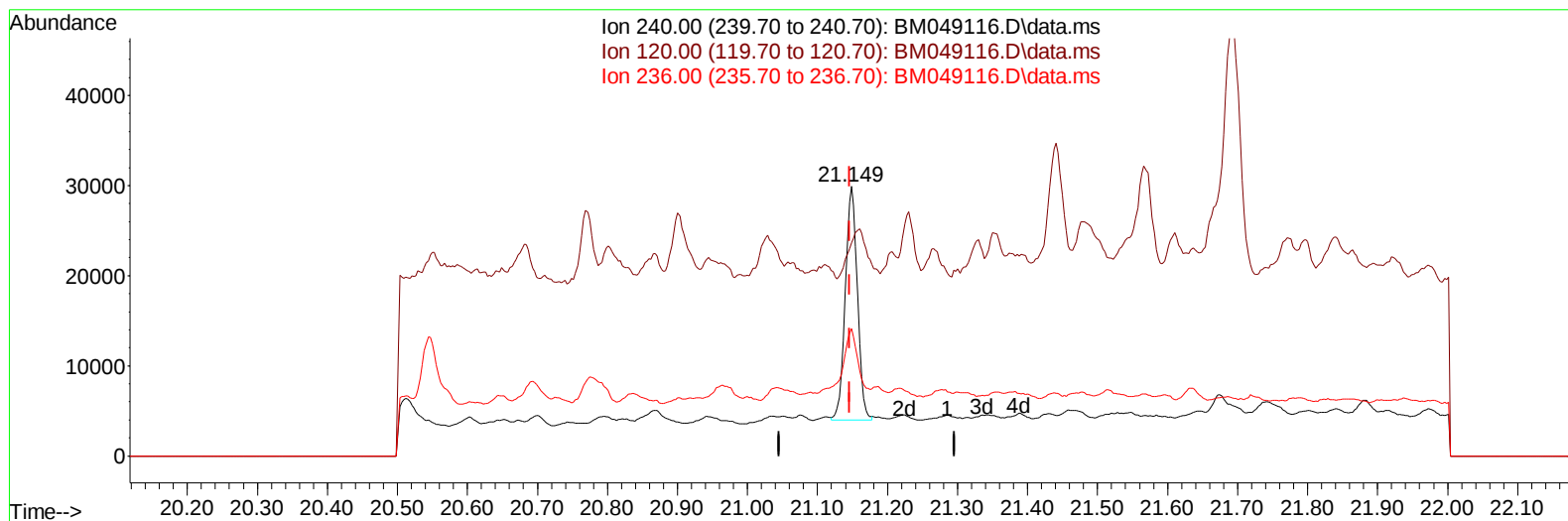
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049116.D
Acq On : 21 Dec 2024 00:38
Operator : RC/JU
Sample : P5265-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Z8

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 21 01:06:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration



TIC: BM049116.D\data.ms

(17) Chrysene-d12

21.149min (+ 0.002) 0.40 ng/ul m

response 31160

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	14.50	79.00#
236.00	29.80	47.35#
0.00	0.00	0.00

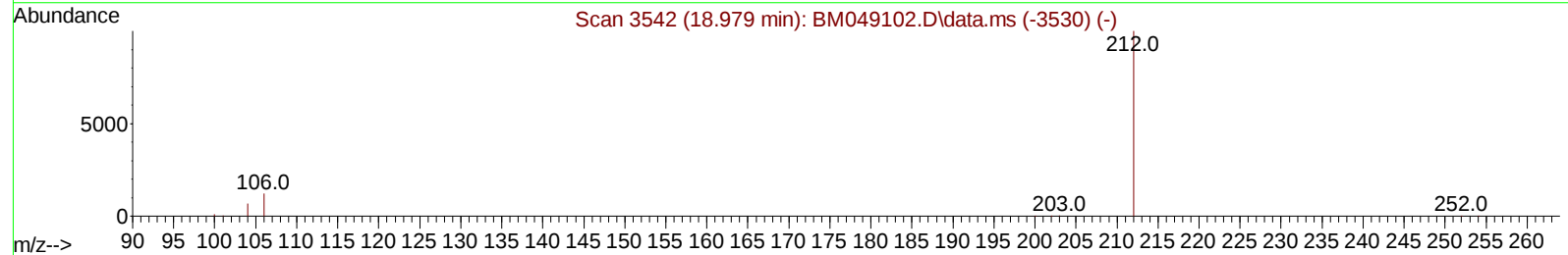
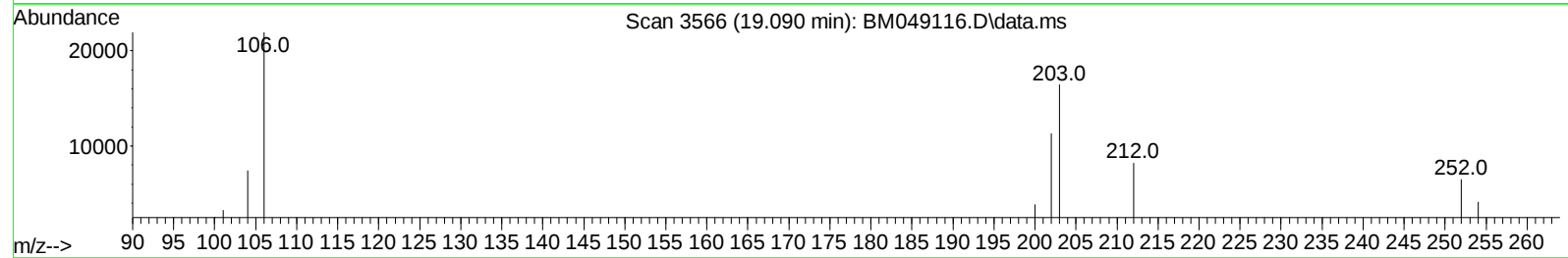
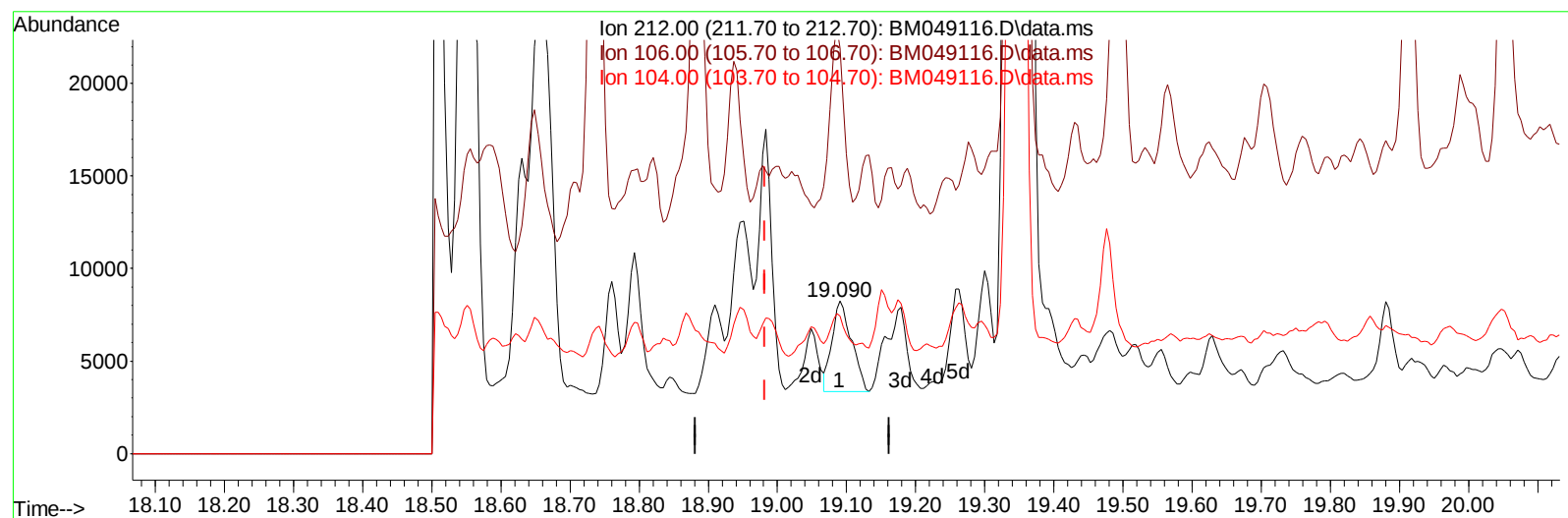
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049116.D
Acq On : 21 Dec 2024 00:38
Operator : RC/JU
Sample : P5265-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Z8

Manual IntegrationsAPPROVED

Quant Time: Dec 21 01:06:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
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TIC: BM049116.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.090min (+ 0.108) 0.11 ng/u1

response 9615

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	11.60	135.99#
104.00	6.50	29.41#
0.00	0.00	0.00

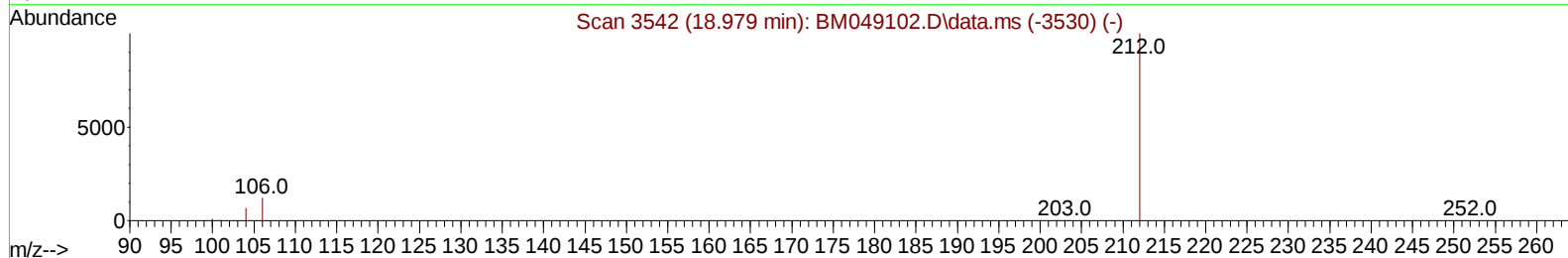
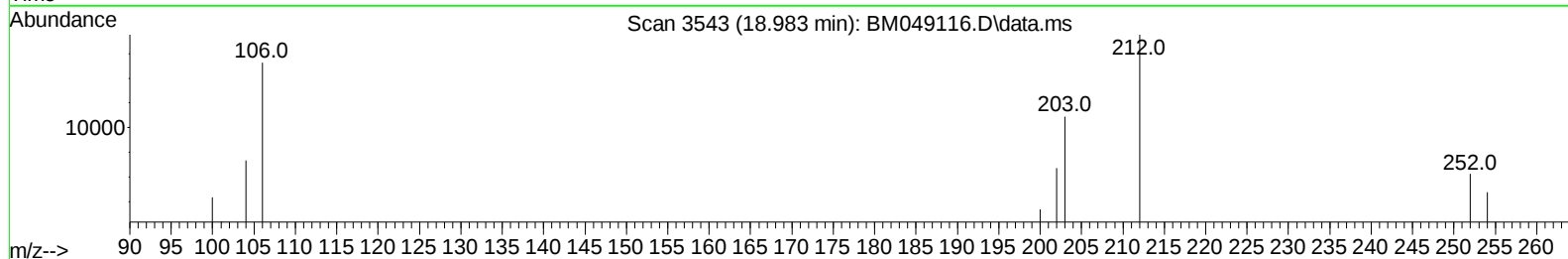
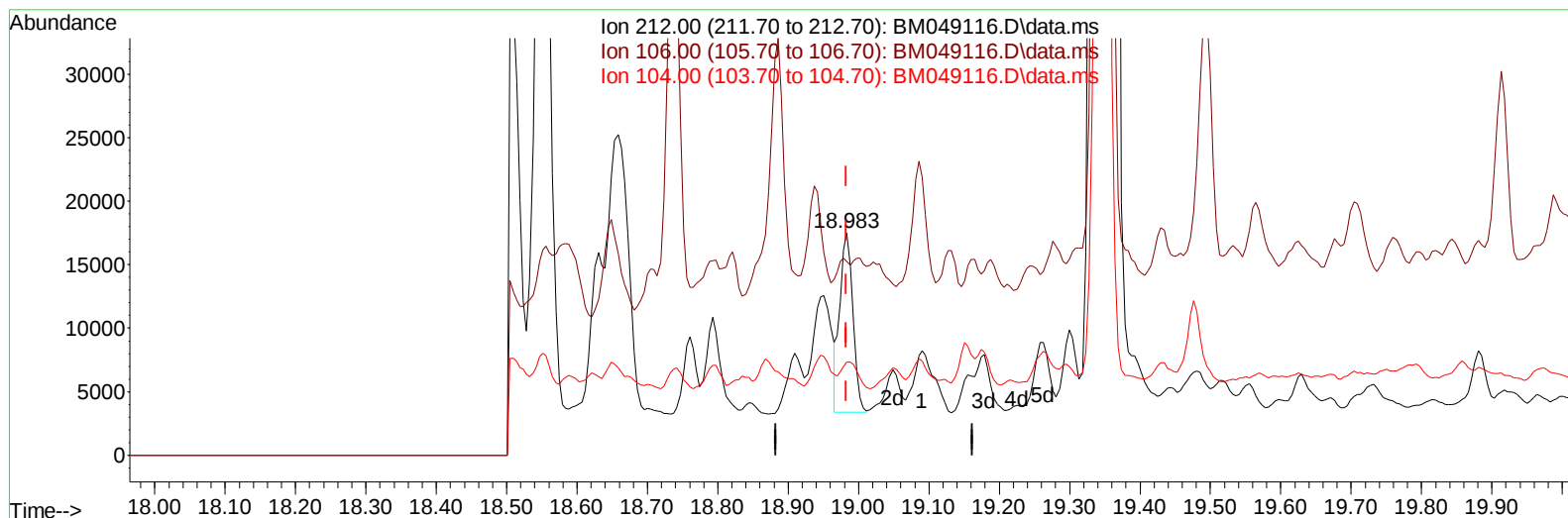
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049116.D
Acq On : 21 Dec 2024 00:38
Operator : RC/JU
Sample : P5265-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Z8

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 21 01:06:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration



TIC: BM049116.D\data.ms

(18) Fluoranthene-d10 (SURR)

18.983min (+ 0.001) 0.20 ng/ul m

response 18079

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	11.60	72.32#
104.00	6.50	15.64#
0.00	0.00	0.00

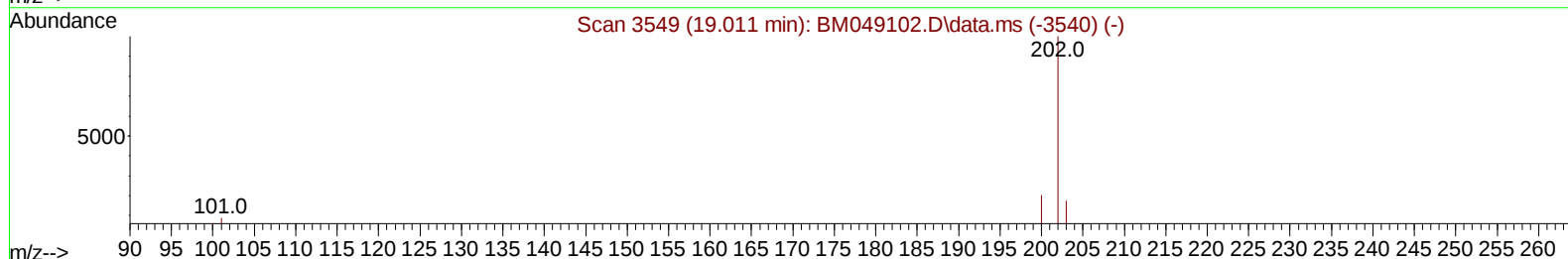
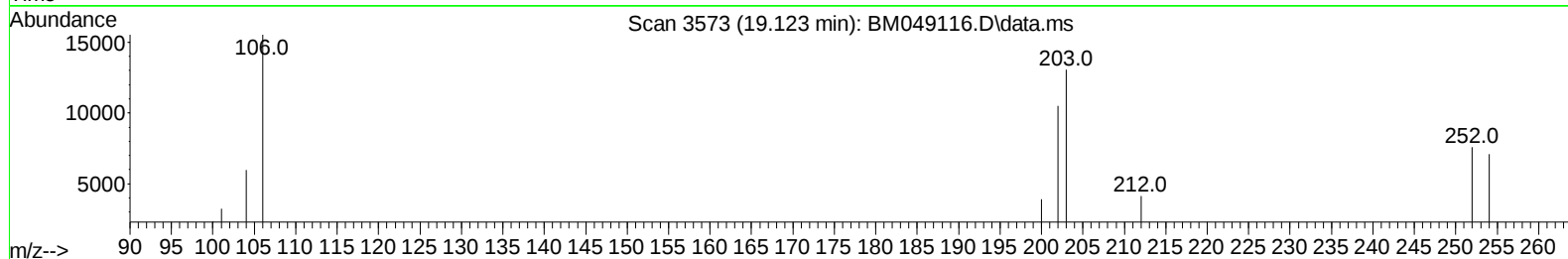
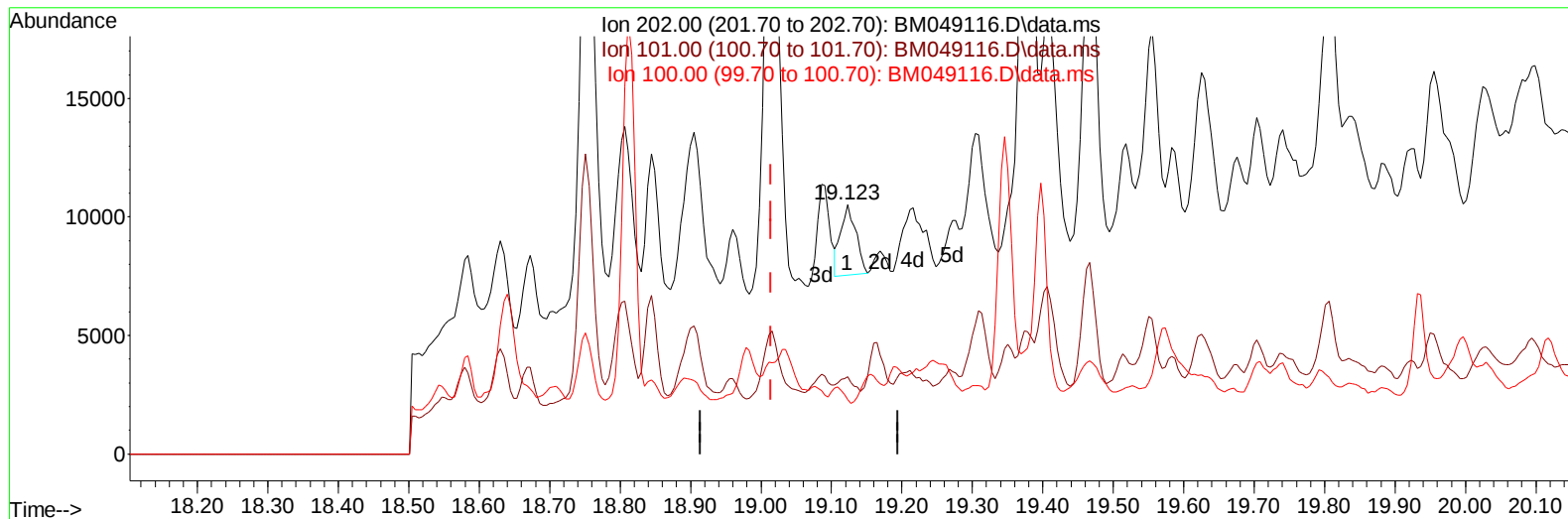
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049116.D
Acq On : 21 Dec 2024 00:38
Operator : RC/JU
Sample : P5265-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Z8

Manual IntegrationsAPPROVED

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TIC: BM049116.D\data.ms

(19) Fluoranthene (C)

19.123min (+ 0.108) 0.04 ng/u1

response 4475

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	9.50	30.91#
100.00	6.90	21.74#
0.00	0.00	0.00

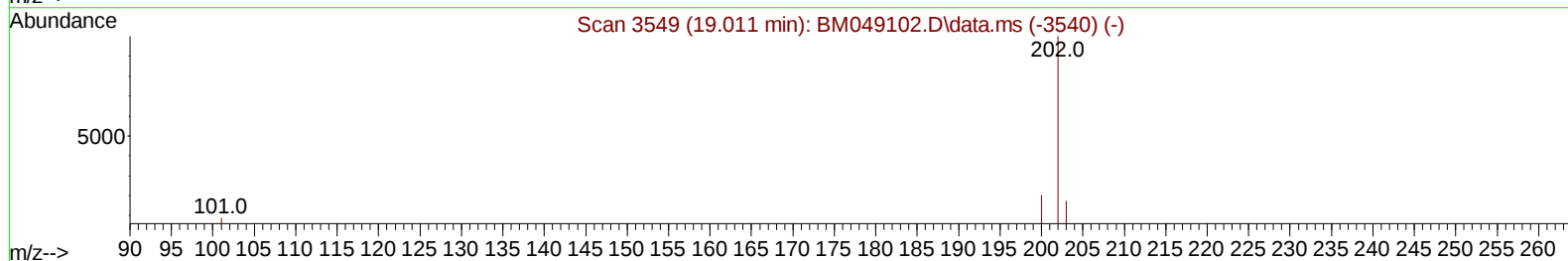
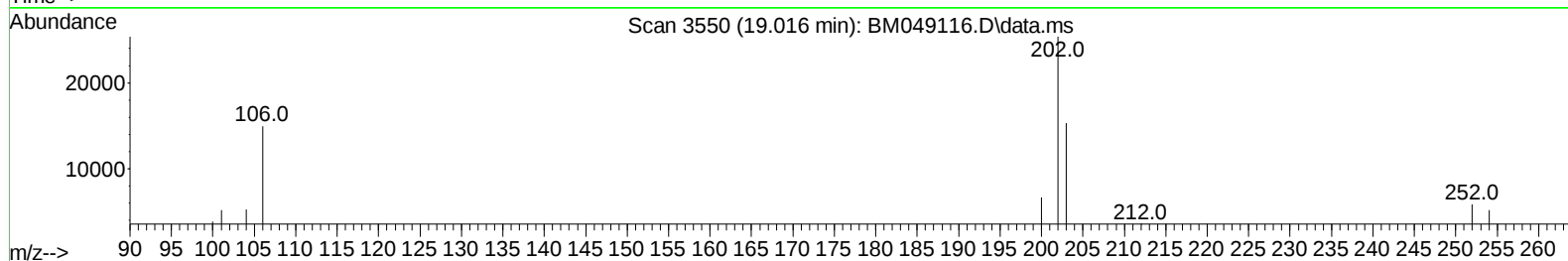
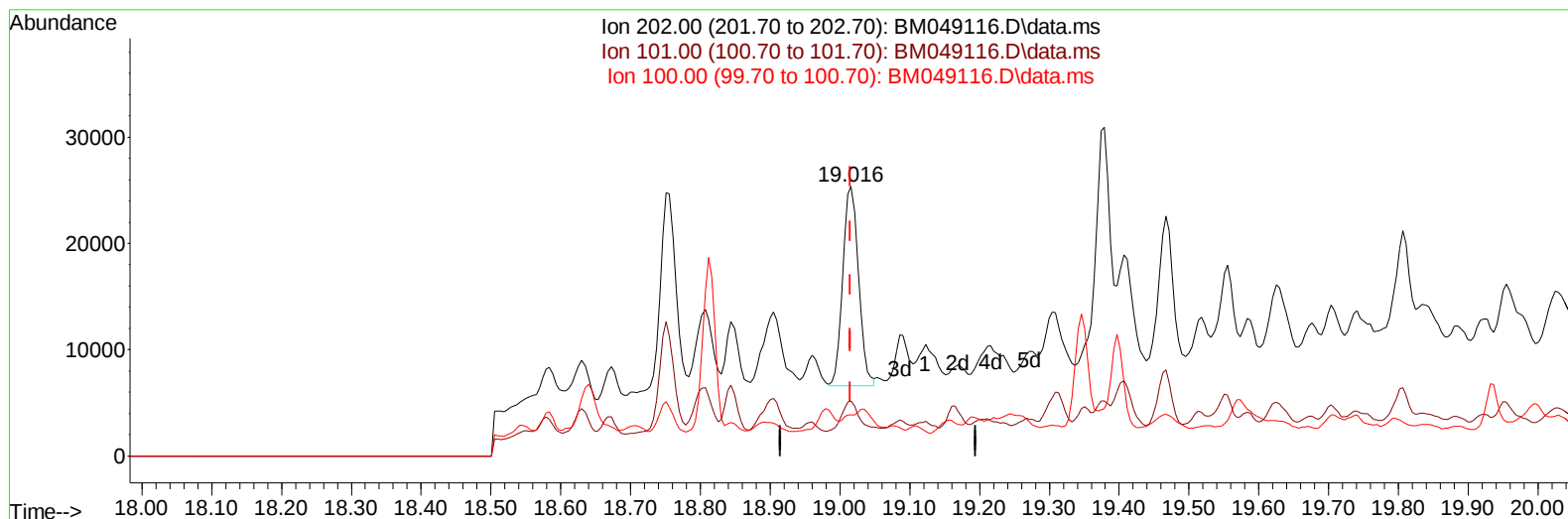
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049116.D
Acq On : 21 Dec 2024 00:38
Operator : RC/JU
Sample : P5265-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Z8

Manual IntegrationsAPPROVED

Quant Time: Dec 21 01:06:53 2024
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TIC: BM049116.D\data.ms

(19) Fluoranthene (C)

19.016min (+ 0.001) 0.26 ng/ul m

response 29195

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	9.50	20.51#
100.00	6.90	15.19#
0.00	0.00	0.00

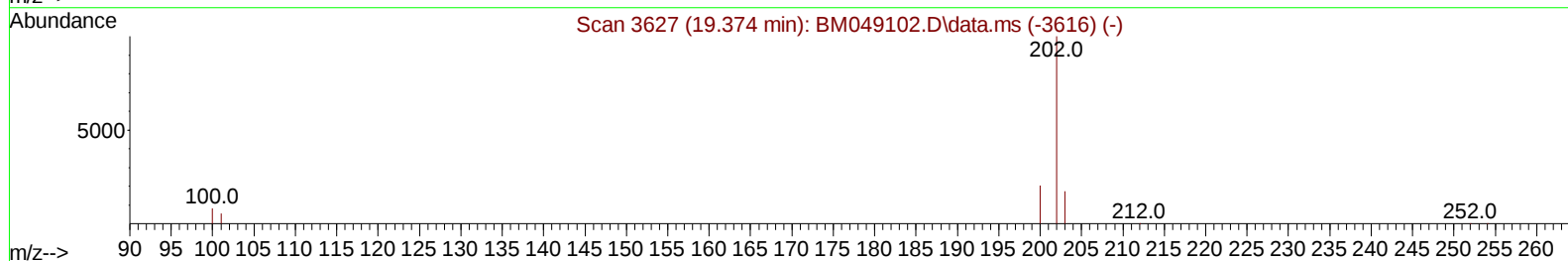
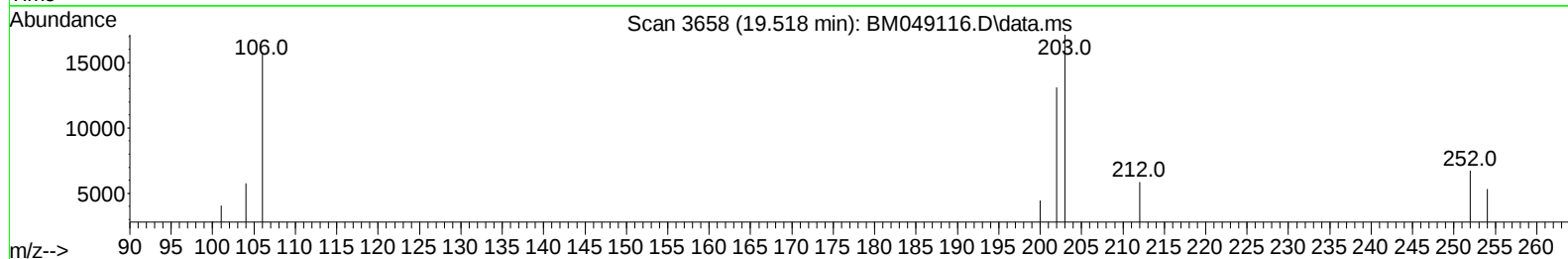
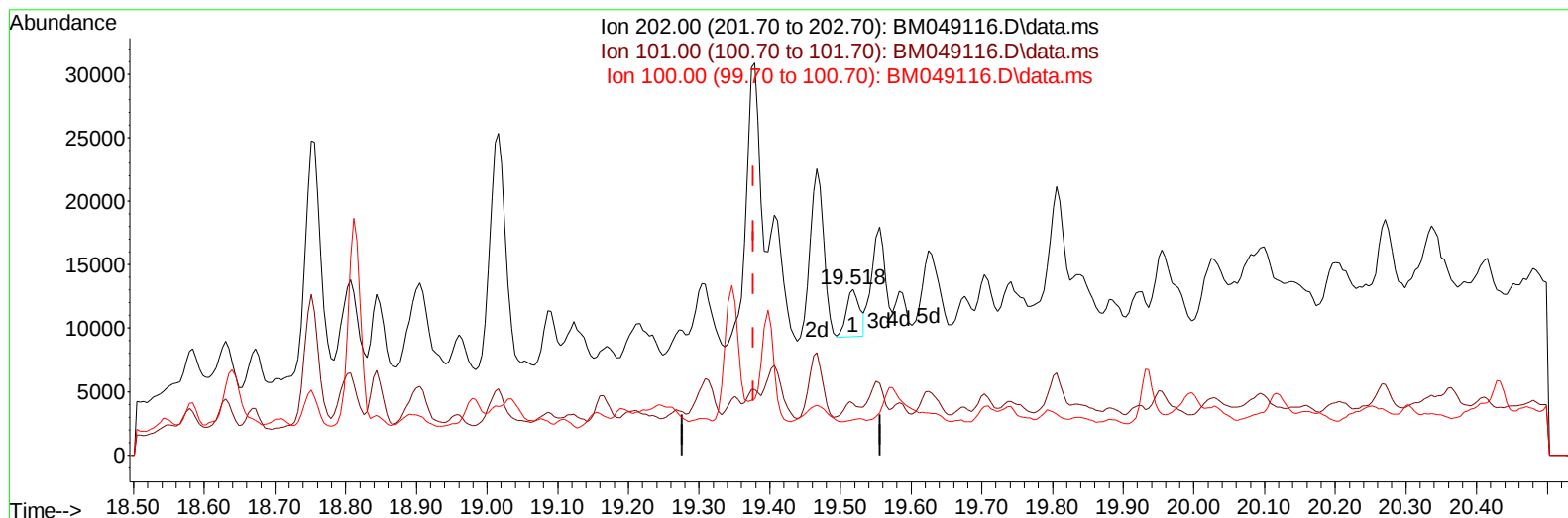
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049116.D
Acq On : 21 Dec 2024 00:38
Operator : RC/JU
Sample : P5265-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Z8

Manual IntegrationsAPPROVED

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TIC: BM049116.D\data.ms

(20) Pyrene

19.518min (+ 0.141) 0.04 ng/u1

response 4945

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.10	31.15#
100.00	8.60	21.42#
0.00	0.00	0.00

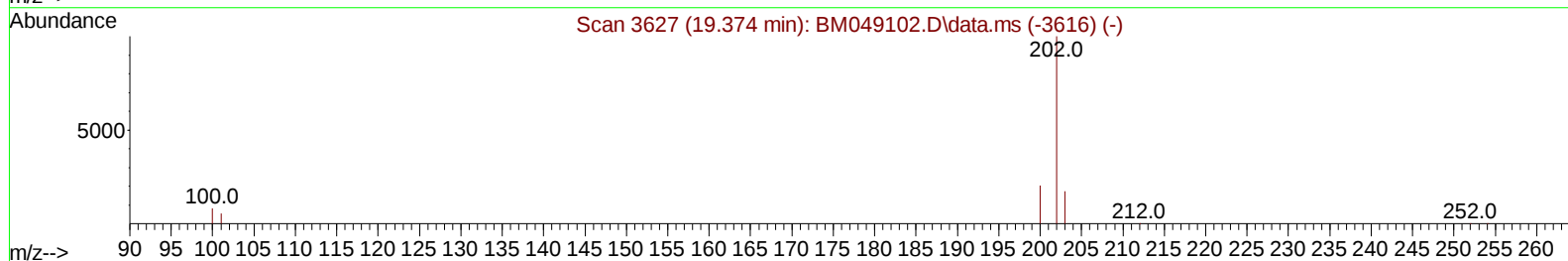
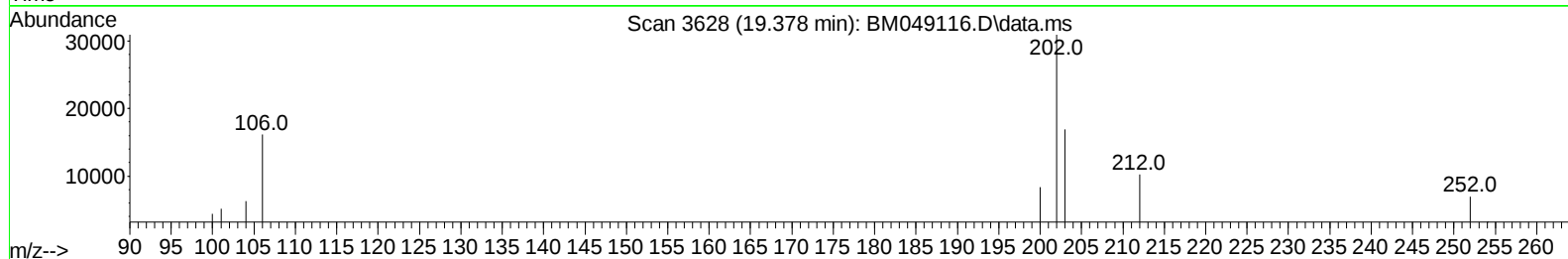
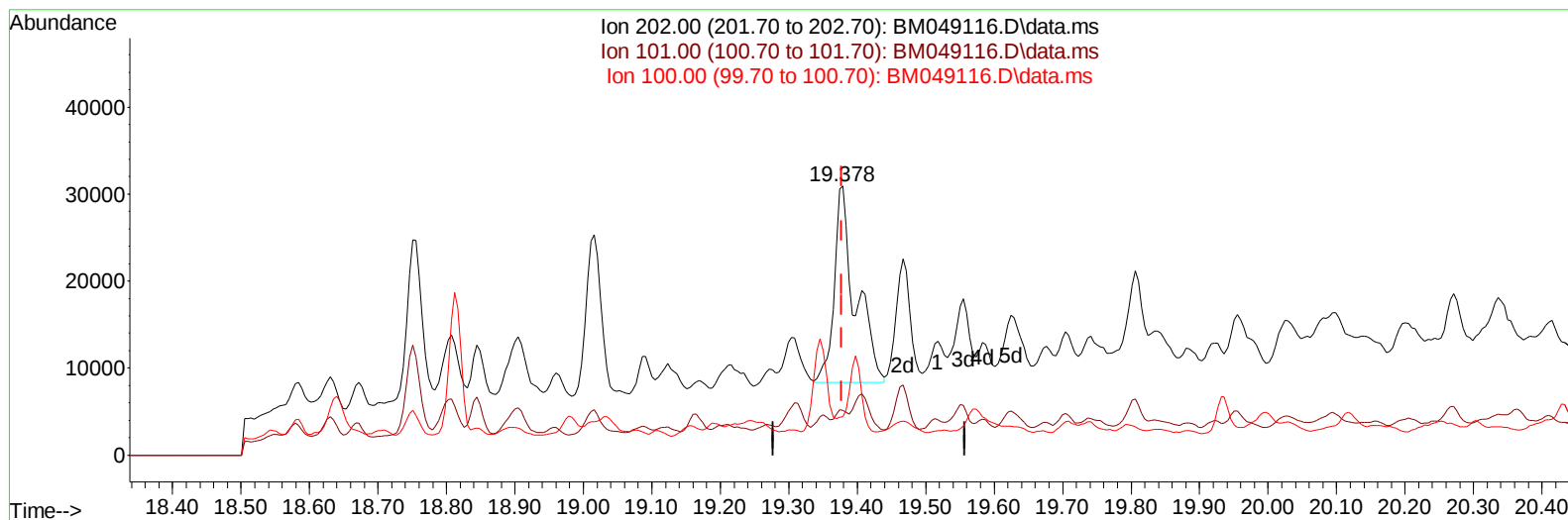
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
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 ALS Vial : 16 Sample Multiplier: 1

Instrument :
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Manual IntegrationsAPPROVED

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TIC: BM049116.D\data.ms

(20) Pyrene

19.378min (+ 0.001) 0.40 ng/ul m

response 48457

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.10	16.67#
100.00	8.60	14.40#
0.00	0.00	0.00

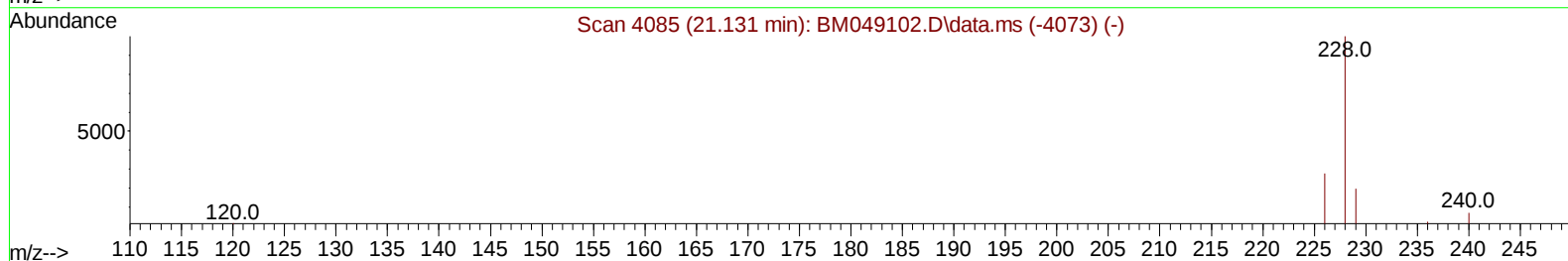
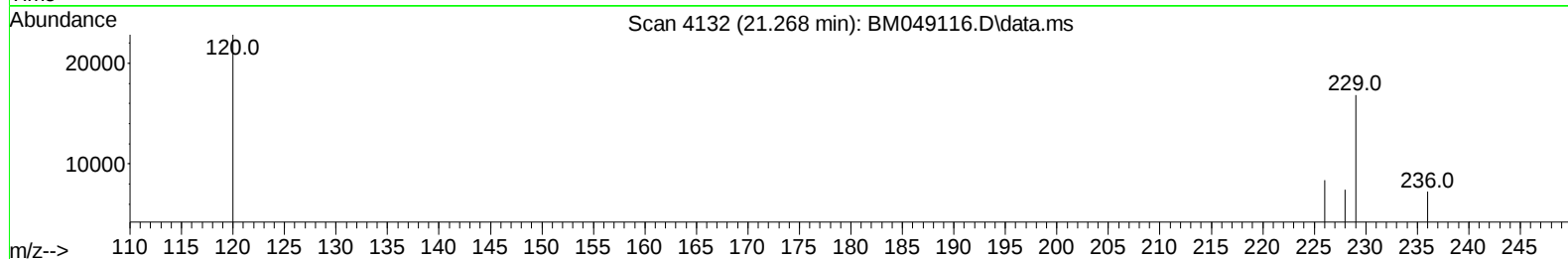
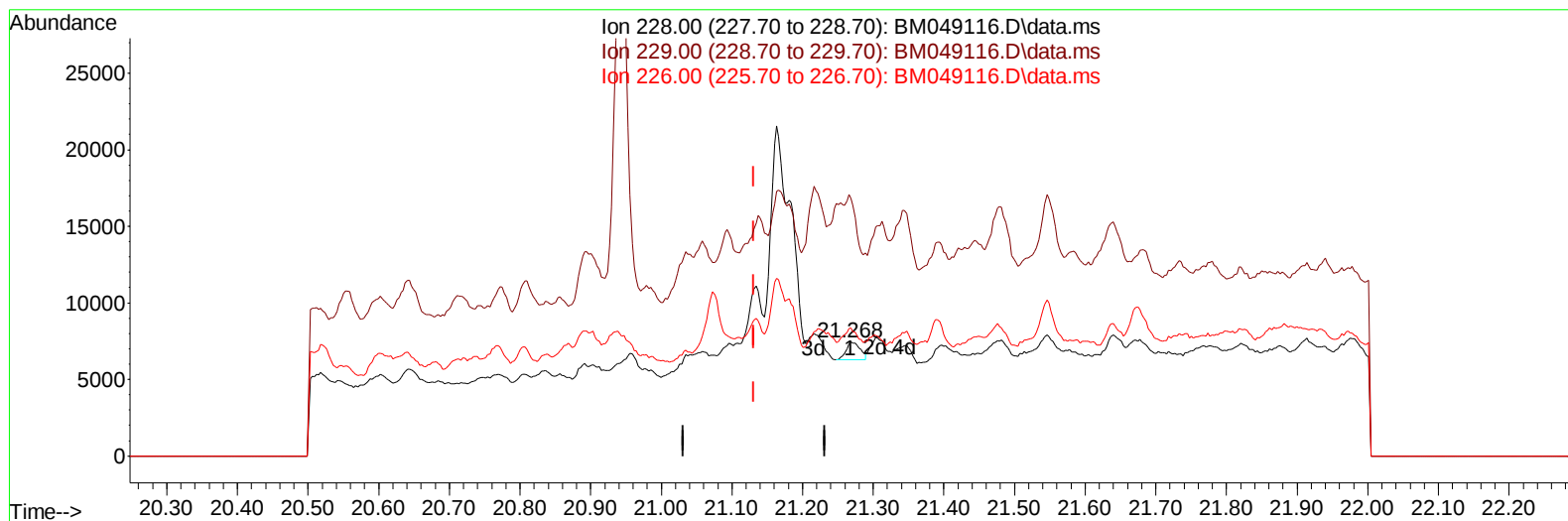
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049116.D
Acq On : 21 Dec 2024 00:38
Operator : RC/JU
Sample : P5265-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Z8

Manual IntegrationsAPPROVED

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Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BM049116.D\data.ms

(21) Benzo(a)anthracene

21.268min (+ 0.137) 0.01 ng/u1

response 1617

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.90	226.08#
226.00	28.30	112.32#
0.00	0.00	0.00

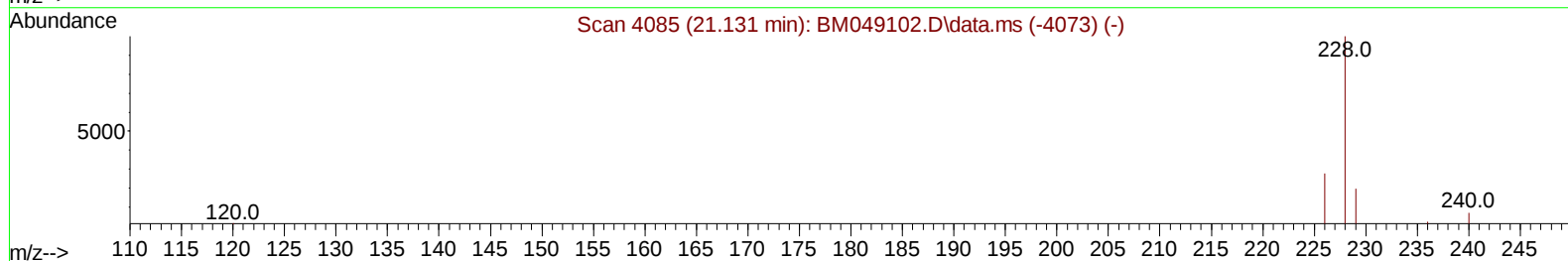
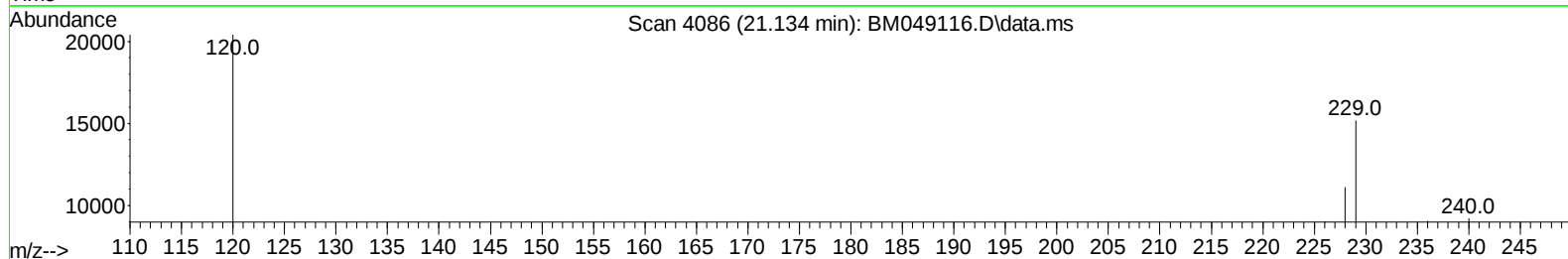
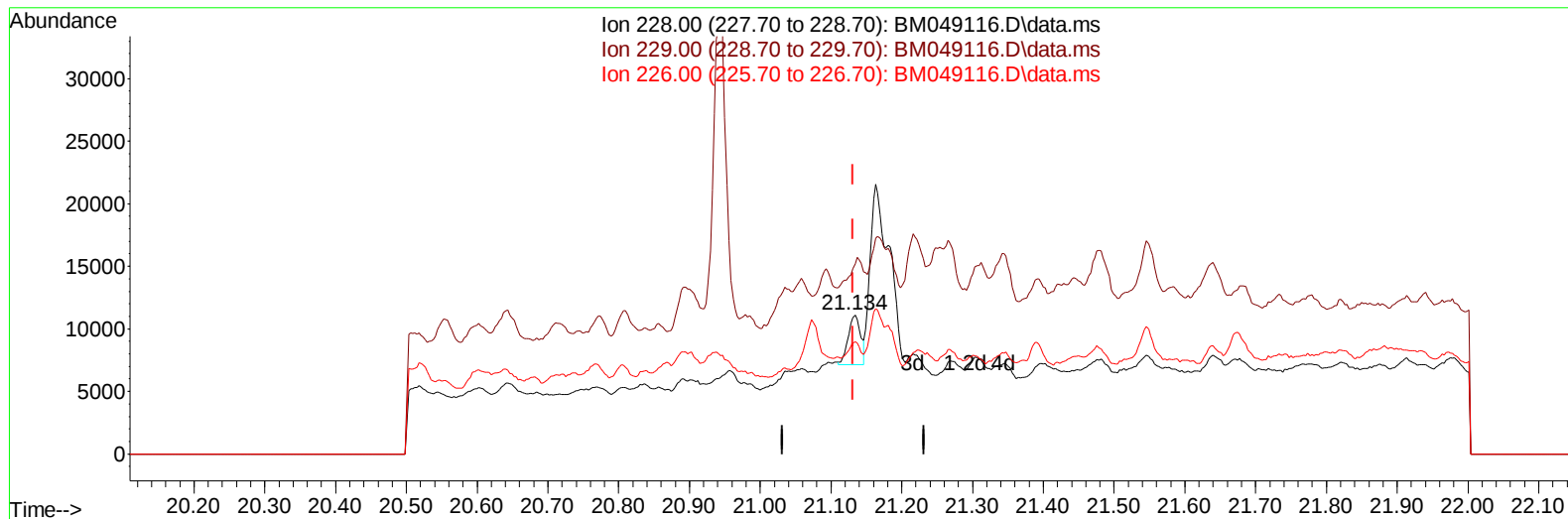
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049116.D
Acq On : 21 Dec 2024 00:38
Operator : RC/JU
Sample : P5265-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Z8

Manual IntegrationsAPPROVED

Quant Time: Dec 21 01:06:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BM049116.D\data.ms

(21) Benzo(a)anthracene

21.134min (+ 0.002) 0.04 ng/ul m

response 4789

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.90	136.93#
226.00	28.30	80.90#
0.00	0.00	0.00

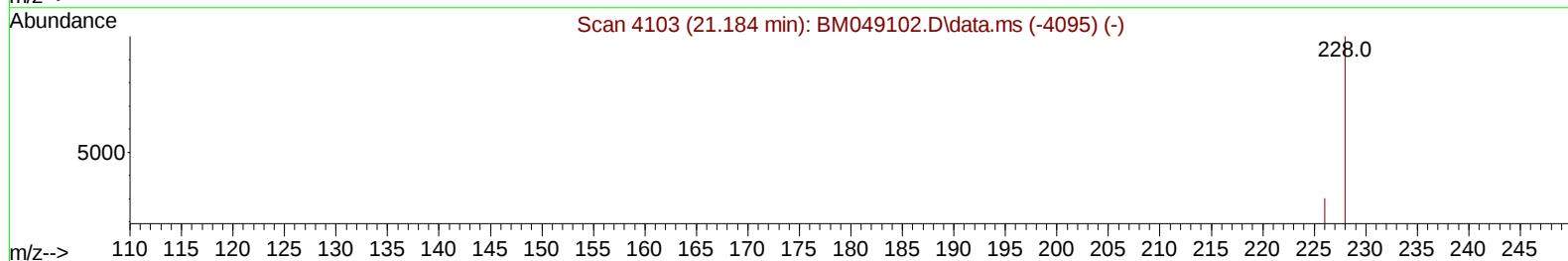
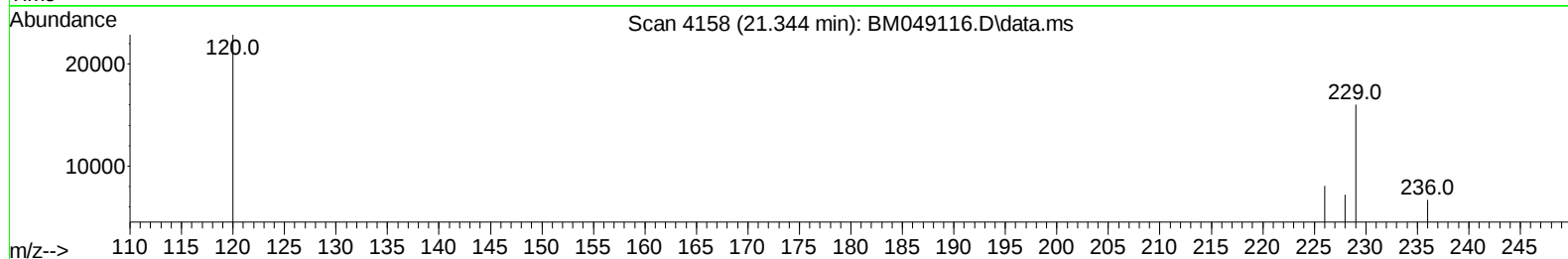
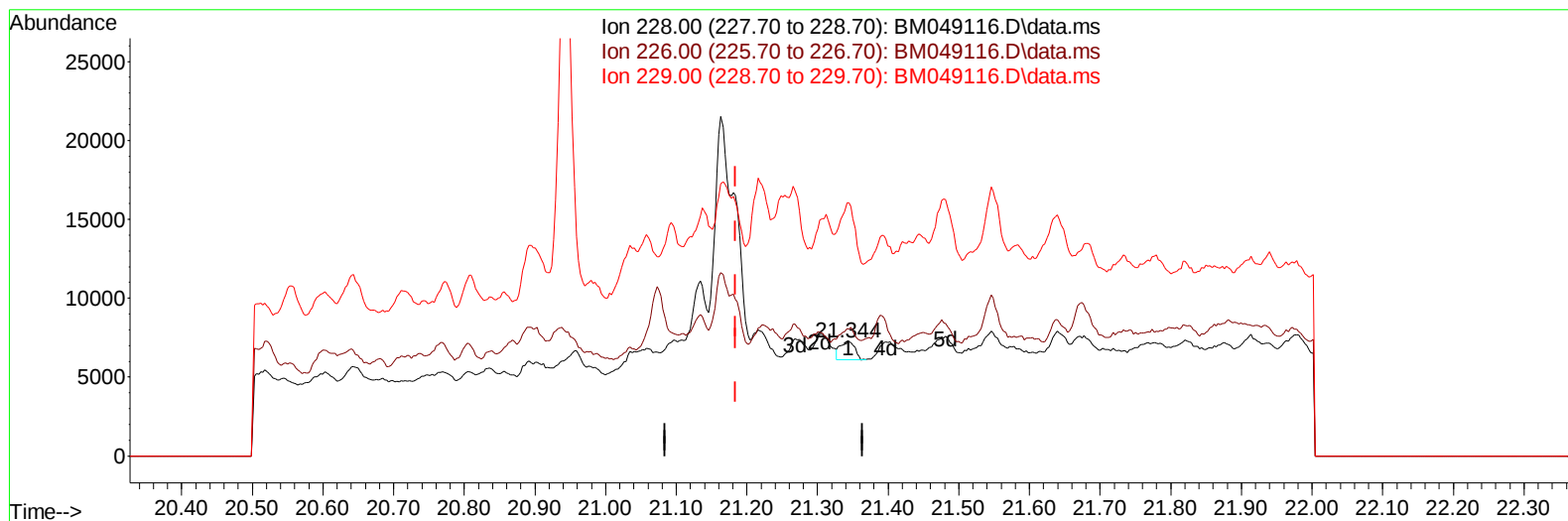
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
 Data File : BM049116.D
 Acq On : 21 Dec 2024 00:38
 Operator : RC/JU
 Sample : P5265-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28Z8

Manual IntegrationsAPPROVED

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 QLast Update : Wed Dec 18 15:33:13 2024
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 Supervised By :mohammad ahmed 12/24/2024



TIC: BM049116.D\data.ms

(22) Chrysene

21.344min (+ 0.160) 0.01 ng/u1

response 1606

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.10	111.51#
229.00	19.80	222.06#
0.00	0.00	0.00

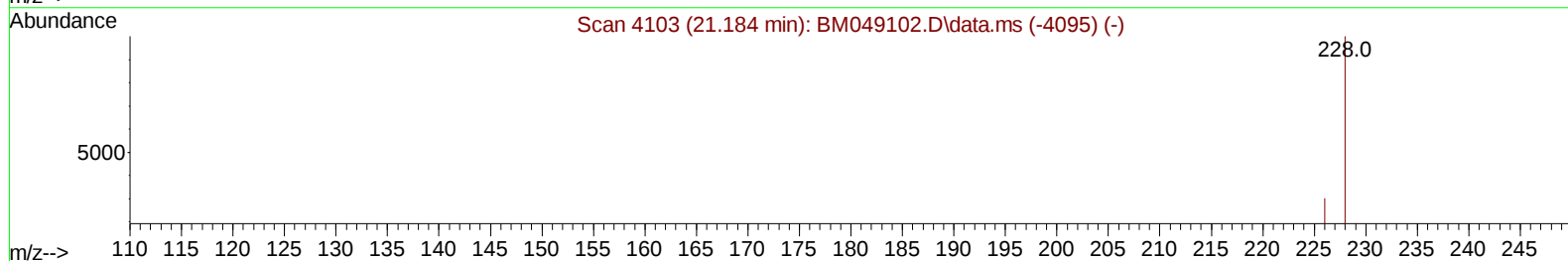
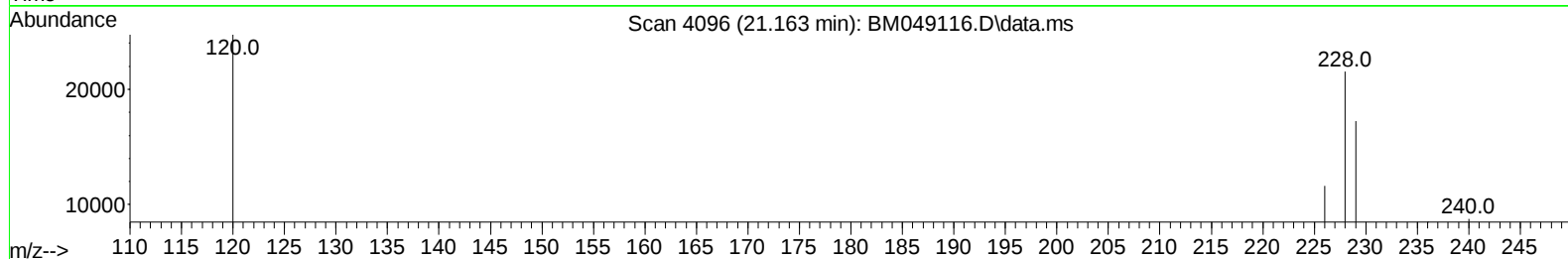
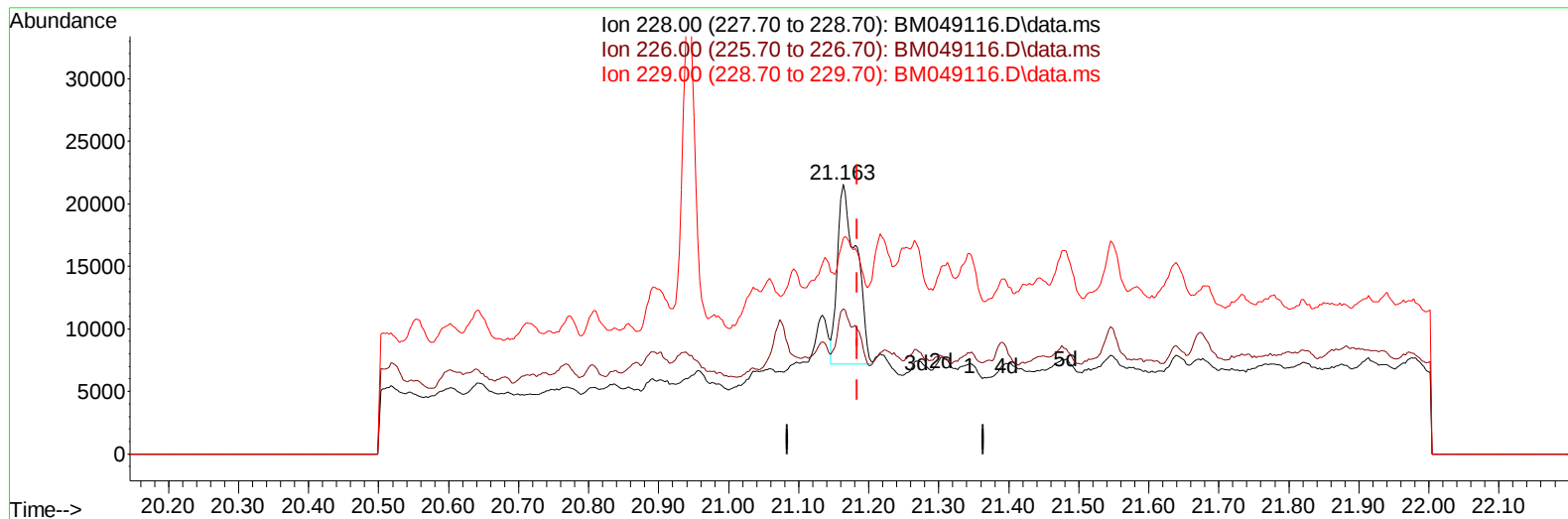
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049116.D
Acq On : 21 Dec 2024 00:38
Operator : RC/JU
Sample : P5265-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Z8

Manual IntegrationsAPPROVED

Quant Time: Dec 21 01:06:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BM049116.D\data.ms

(22) Chrysene

21.163min (-0.021) 0.23 ng/u1 m

response 26481

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.10	53.91#
229.00	19.80	80.16#
0.00	0.00	0.00

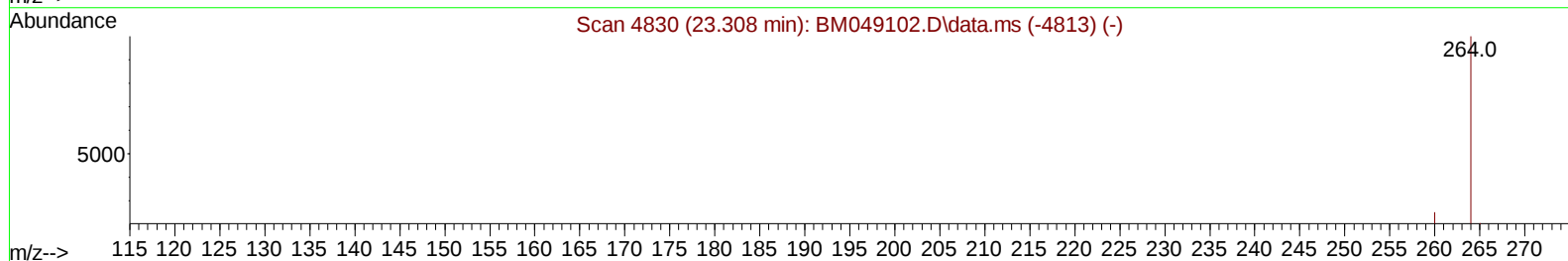
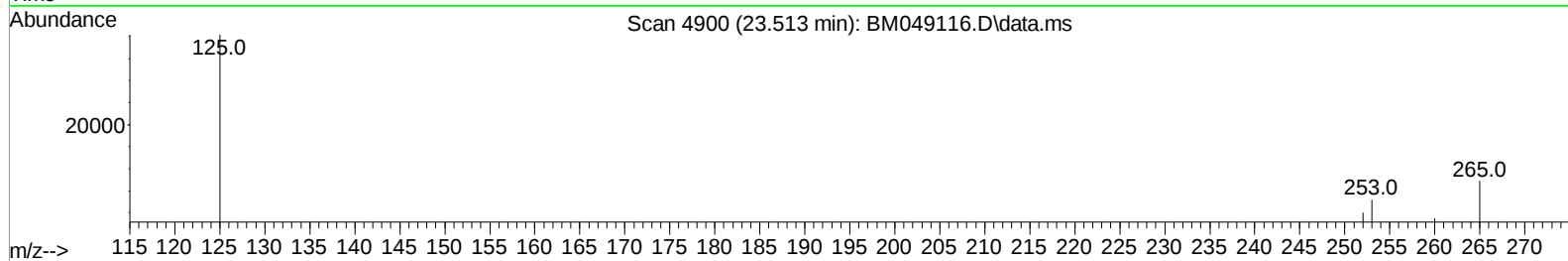
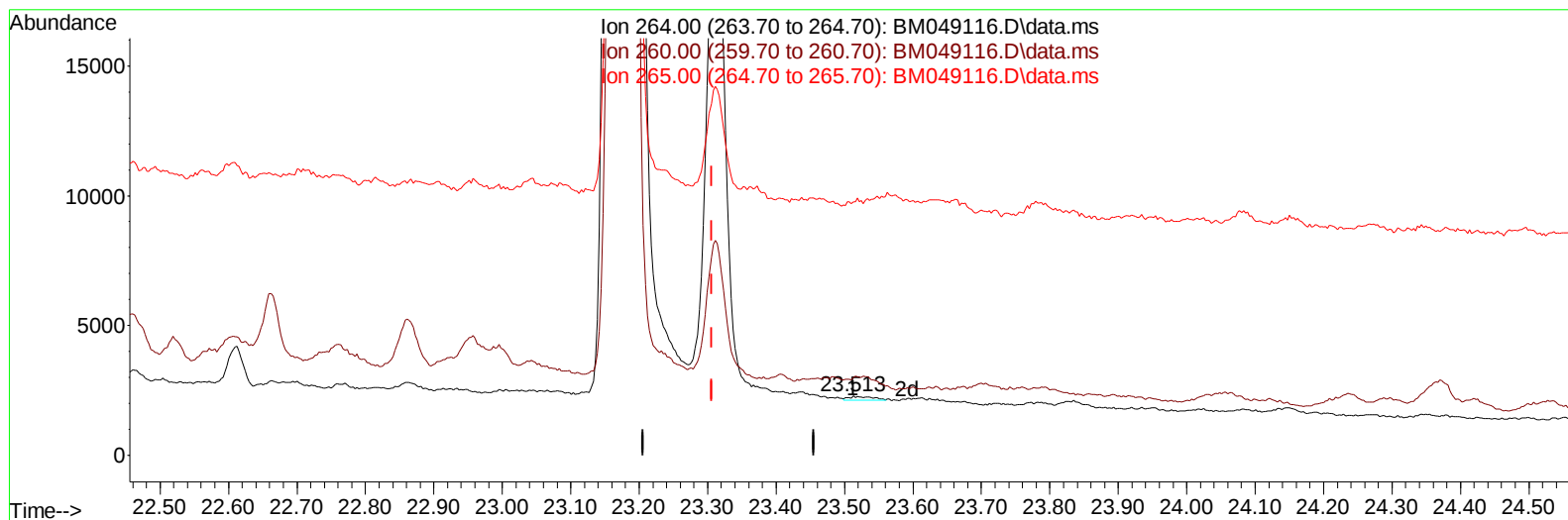
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049116.D
Acq On : 21 Dec 2024 00:38
Operator : RC/JU
Sample : P5265-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Z8

Manual IntegrationsAPPROVED

Quant Time: Dec 21 01:06:53 2024
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TIC: BM049116.D\data.ms

(23) Perylene-d12 (I)

23.513min (+ 0.207) 0.40 ng/u1

response 341

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	131.11#
265.00	78.30	428.57#
0.00	0.00	0.00

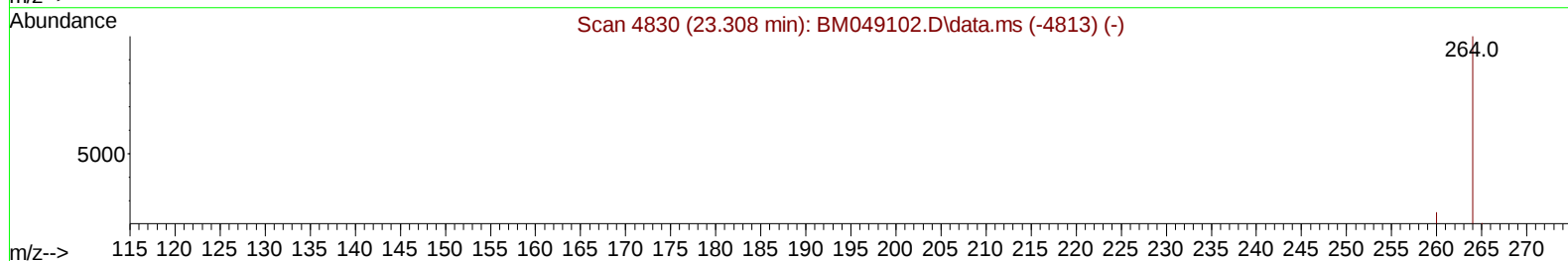
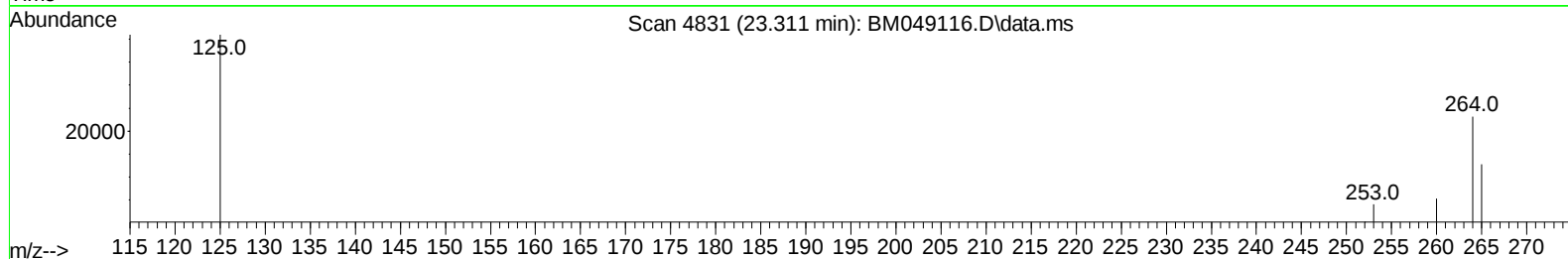
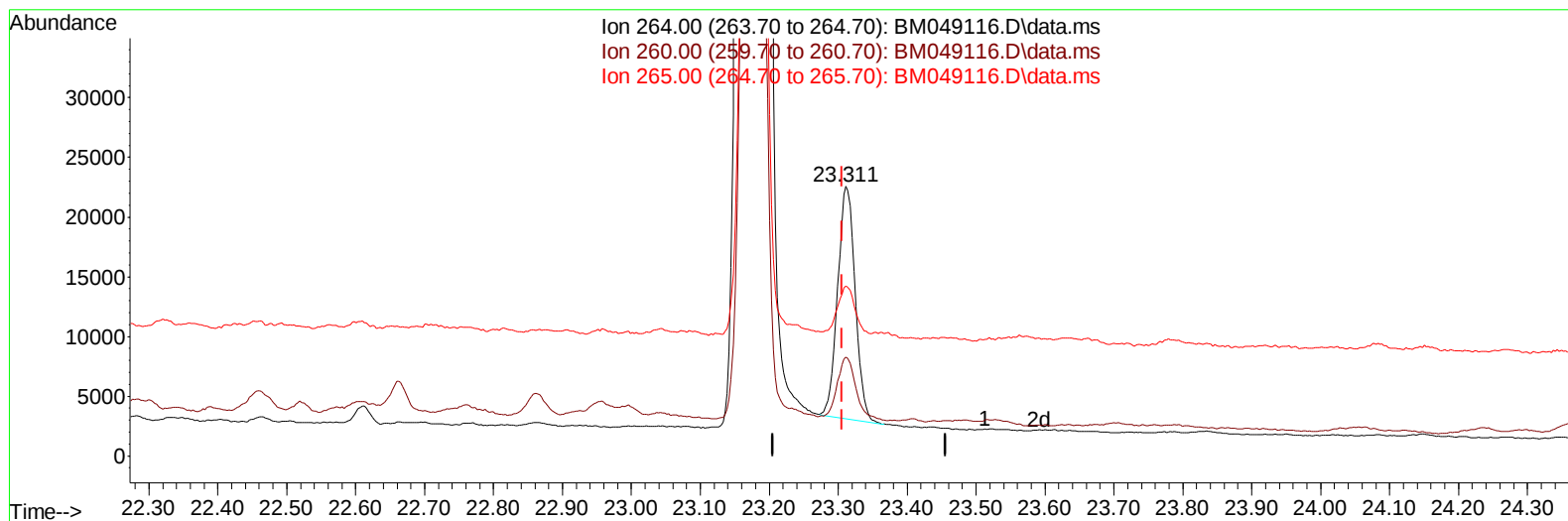
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049116.D
Acq On : 21 Dec 2024 00:38
Operator : RC/JU
Sample : P5265-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Z8

Manual IntegrationsAPPROVED

Quant Time: Dec 21 01:06:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
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QLast Update : Wed Dec 18 15:33:13 2024
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TIC: BM049116.D\data.ms

(23) Perylene-d12 (I)

23.311min (+ 0.005) 0.40 ng/ul m

response 34184

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	36.67#
265.00	78.30	63.05
0.00	0.00	0.00

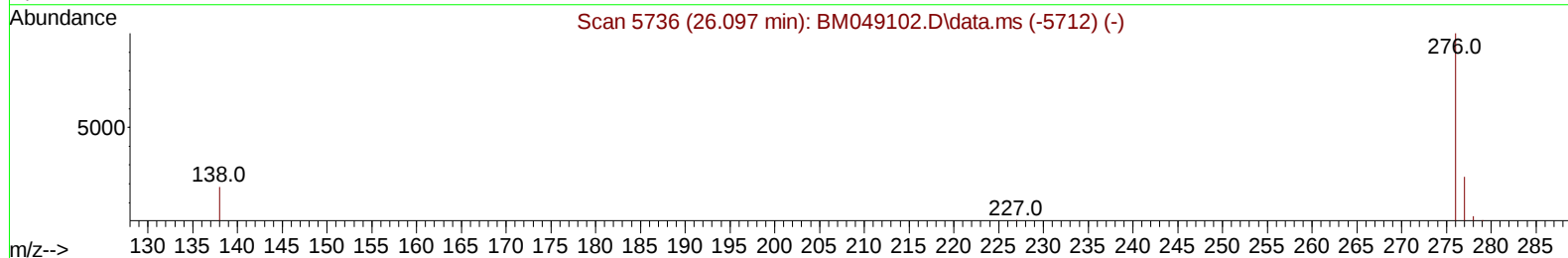
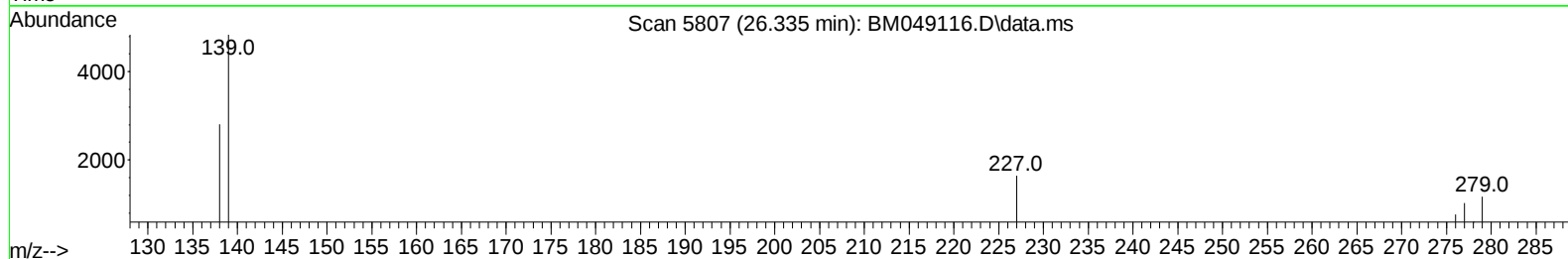
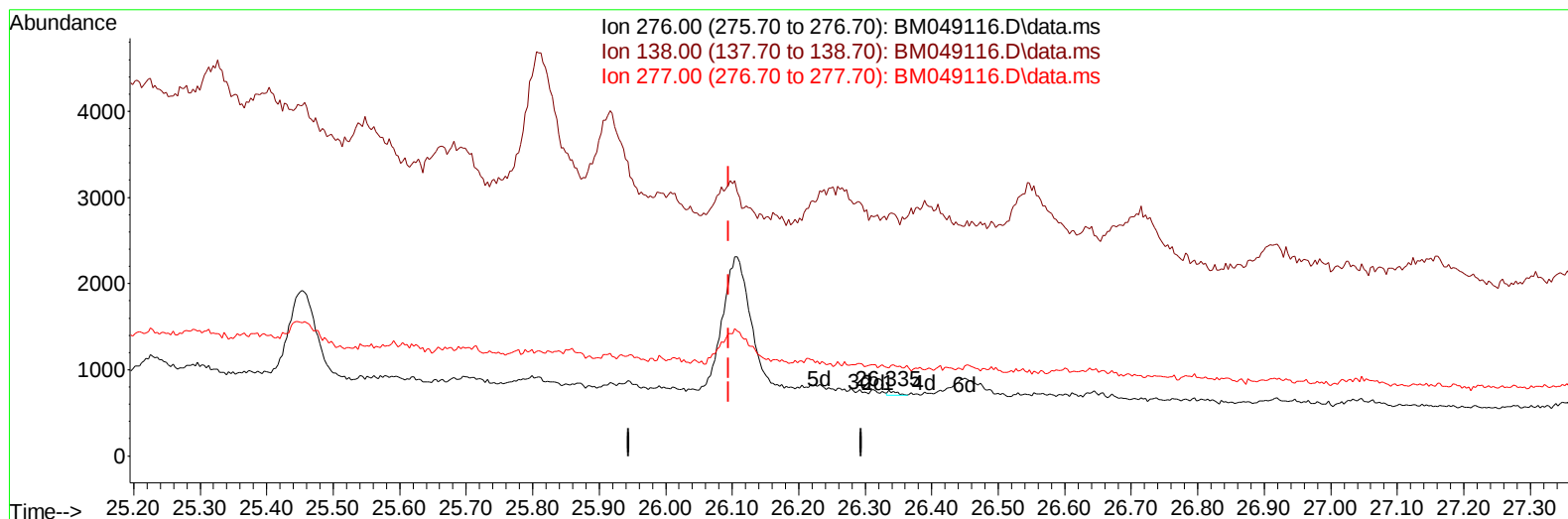
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
 Data File : BM049116.D
 Acq On : 21 Dec 2024 00:38
 Operator : RC/JU
 Sample : P5265-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28Z8

Manual IntegrationsAPPROVED

Quant Time: Dec 21 01:06:53 2024
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TIC: BM049116.D\data.ms

(29) Benzo(g,h,i)perylene

26.335min (+ 0.241) 0.00 ng/u1

response 39

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	20.90	367.76#
277.00	24.90	133.94#
0.00	0.00	0.00

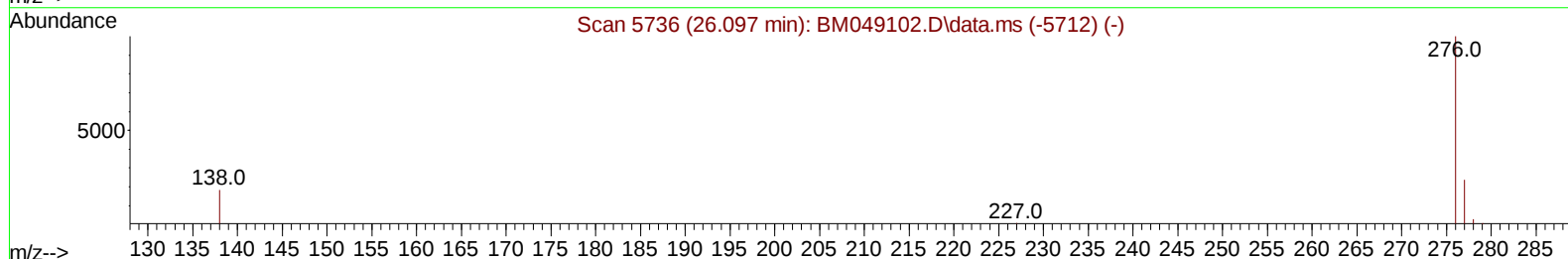
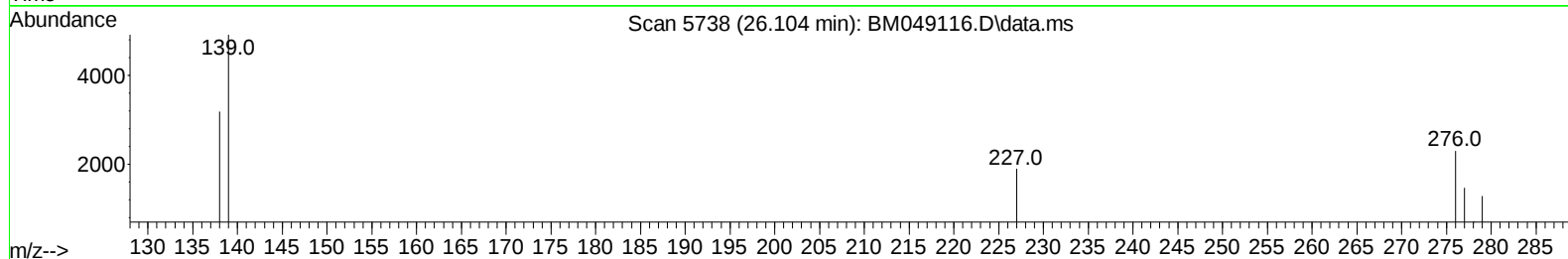
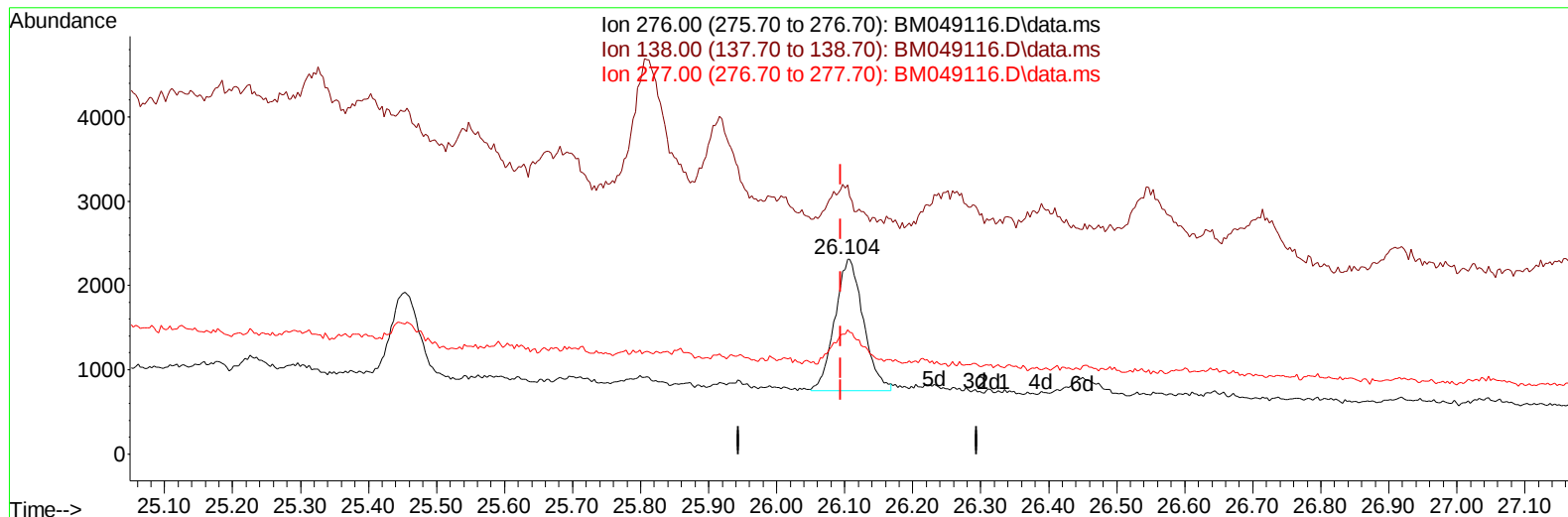
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049116.D
Acq On : 21 Dec 2024 00:38
Operator : RC/JU
Sample : P5265-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Z8

Manual IntegrationsAPPROVED

Quant Time: Dec 21 01:06:53 2024
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TIC: BM049116.D\data.ms

(29) Benzo(g,h,i)perylene

26.104min (+ 0.010) 0.04 ng/ul m

response 4549

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	20.90	138.21#
277.00	24.90	63.83#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
 Data File : BM049116.D
 Acq On : 21 Dec 2024 00:38
 Operator : RC/JU
 Sample : P5265-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28Z8

Manual IntegrationsAPPROVED

Quant Time: Dec 21 01:06:53 2024
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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.560	152		9028	0.400	ng/ul	0.00
4) Naphthalene-d8	10.321	136		28238	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.197	164		20103	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.947	188		38236m	0.400	ng/ul	0.00
17) Chrysene-d12	21.149	240		31160m	0.400	ng/ul	0.00
23) Perylene-d12	23.311	264		34184m	0.400	ng/ul	0.00
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.147	96		36291	3.486	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.921	152		7769	0.205	ng/ul	0.00
18) Fluoranthene-d10	18.983	212		18079m	0.204	ng/ul	0.00
Target Compounds							Qvalue
5) Naphthalene	10.370	128		14751	0.209	ng/ul	95
7) 2-Methylnaphthalene	11.992	142		35047	0.783	ng/ul	99
8) 1-Methylnaphthalene	12.212	142		27920	0.609	ng/ul	95
10) Acenaphthylene	13.919	152		5805	0.070	ng/ul#	1
11) Acenaphthene	14.257	153		2903	0.048	ng/ul#	74
12) Fluorene	15.251	166		27091	0.395	ng/ul#	68
15) Phenanthrene	16.985	178		192656m	1.929	ng/ul	
19) Fluoranthene	19.016	202		29195m	0.259	ng/ul	
20) Pyrene	19.378	202		48457m	0.403	ng/ul	
21) Benzo(a)anthracene	21.134	228		4789m	0.044	ng/ul	
22) Chrysene	21.163	228		26481m	0.228	ng/ul	
29) Benzo(g,h,i)perylene	26.104	276		4549m	0.038	ng/ul	

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

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