

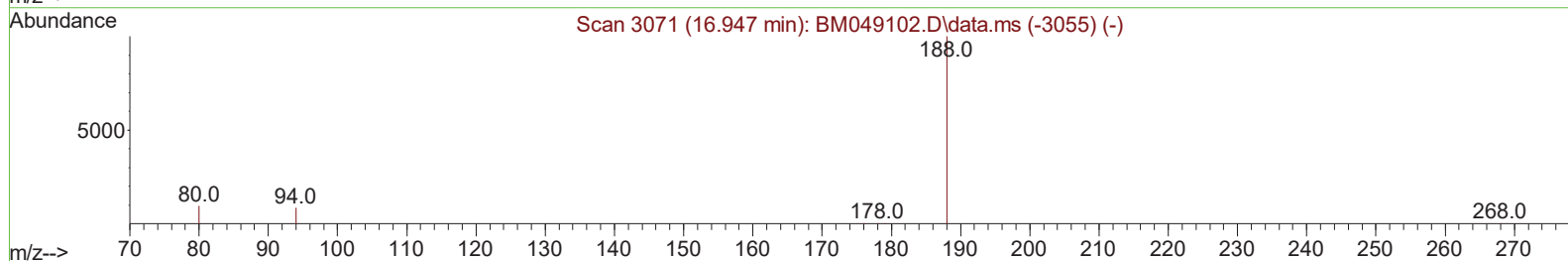
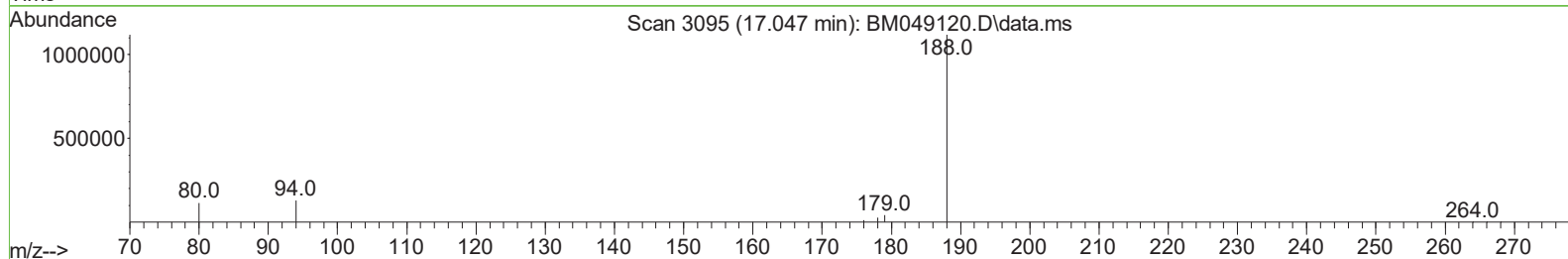
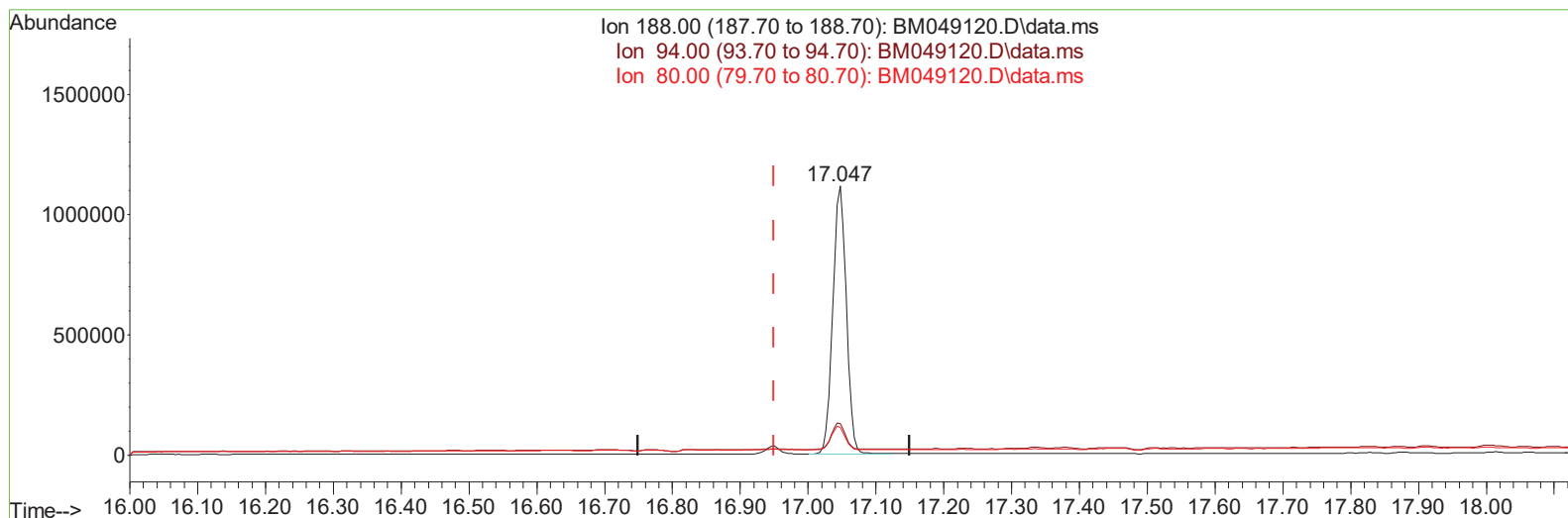
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049120.D
Acq On : 21 Dec 2024 03:38
Operator : RC/JU
Sample : P5265-14RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Z9RE

Manual IntegrationsAPPROVED

Quant Time: Dec 21 04:04:09 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: BM049120.D\data.ms

(13) Phenanthrene-d10 (I)

17.047min (+ 0.097) 0.40 ng/u1

response 1549211

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	11.71
80.00	10.70	10.23
0.00	0.00	0.00

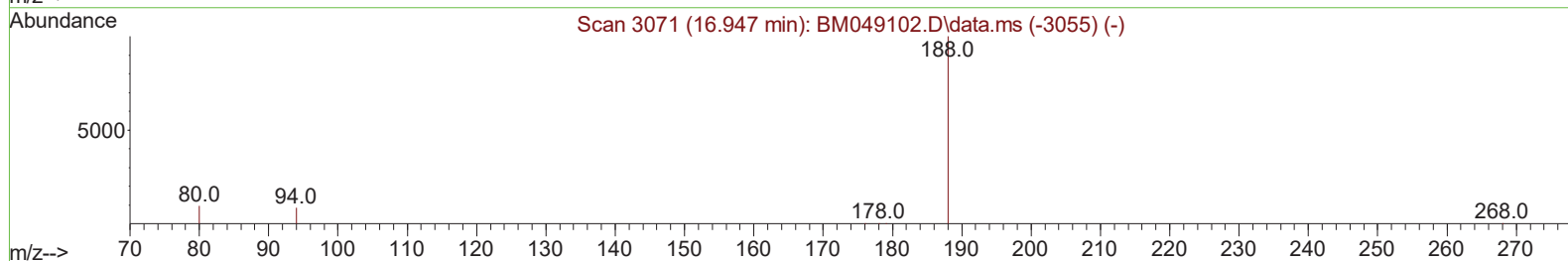
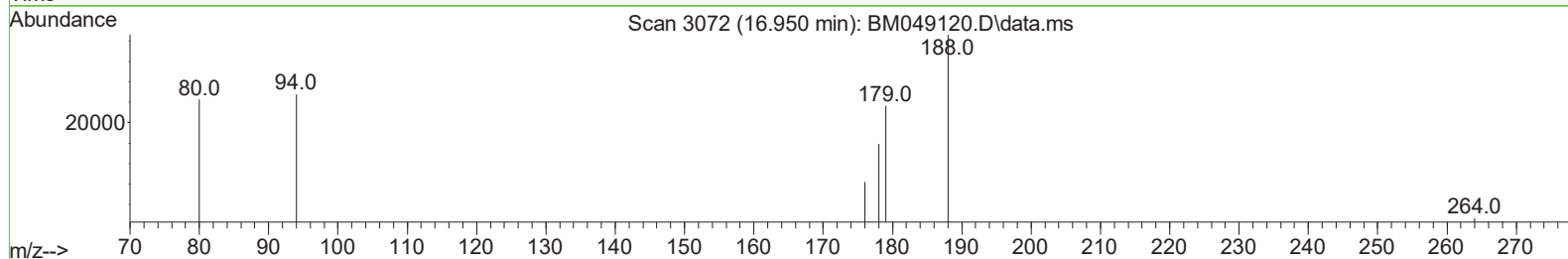
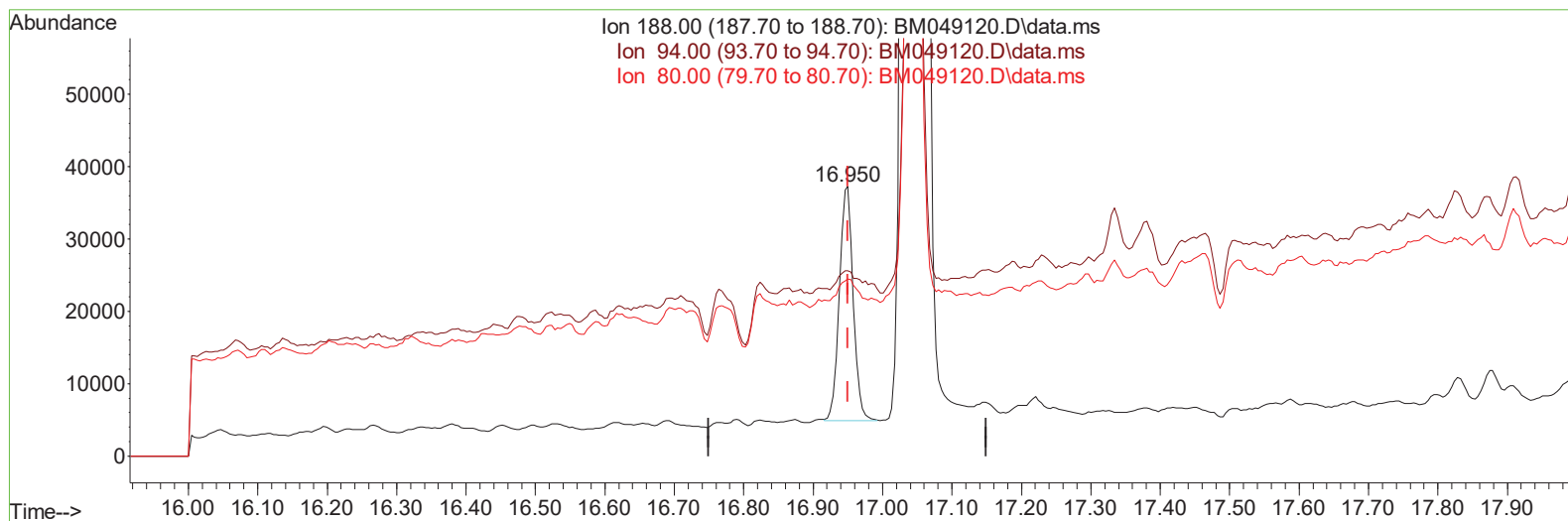
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049120.D
Acq On : 21 Dec 2024 03:38
Operator : RC/JU
Sample : P5265-14RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Z9RE

Manual IntegrationsAPPROVED

Quant Time: Dec 21 04:04:09 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: BM049120.D\data.ms

(13) Phenanthrene-d10 (I)

16.950min (+ 0.000) 0.40 ng/ul m

response 44699

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	68.71#
80.00	10.70	65.77#
0.00	0.00	0.00

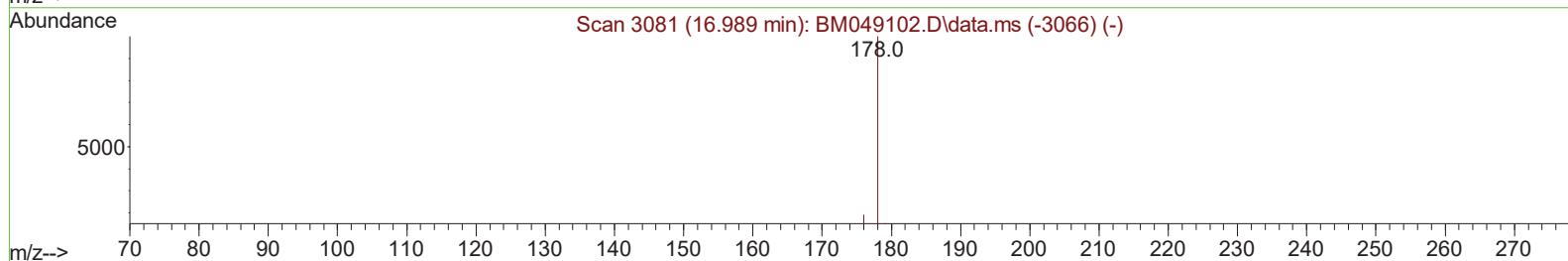
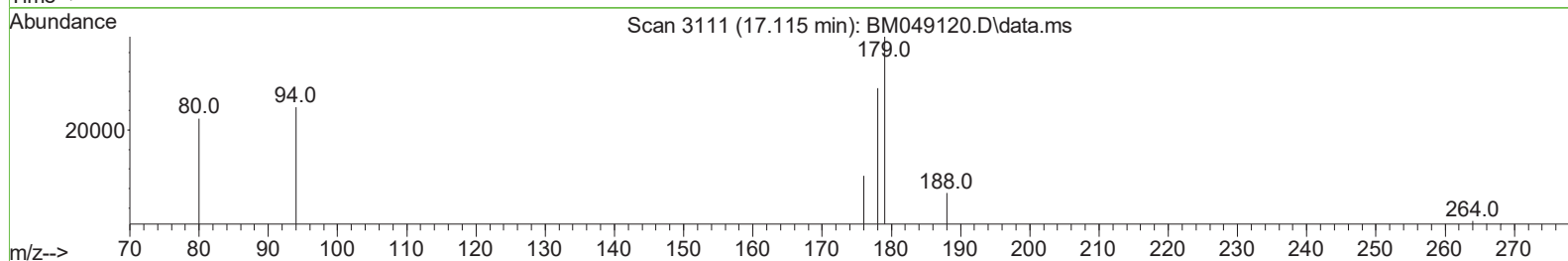
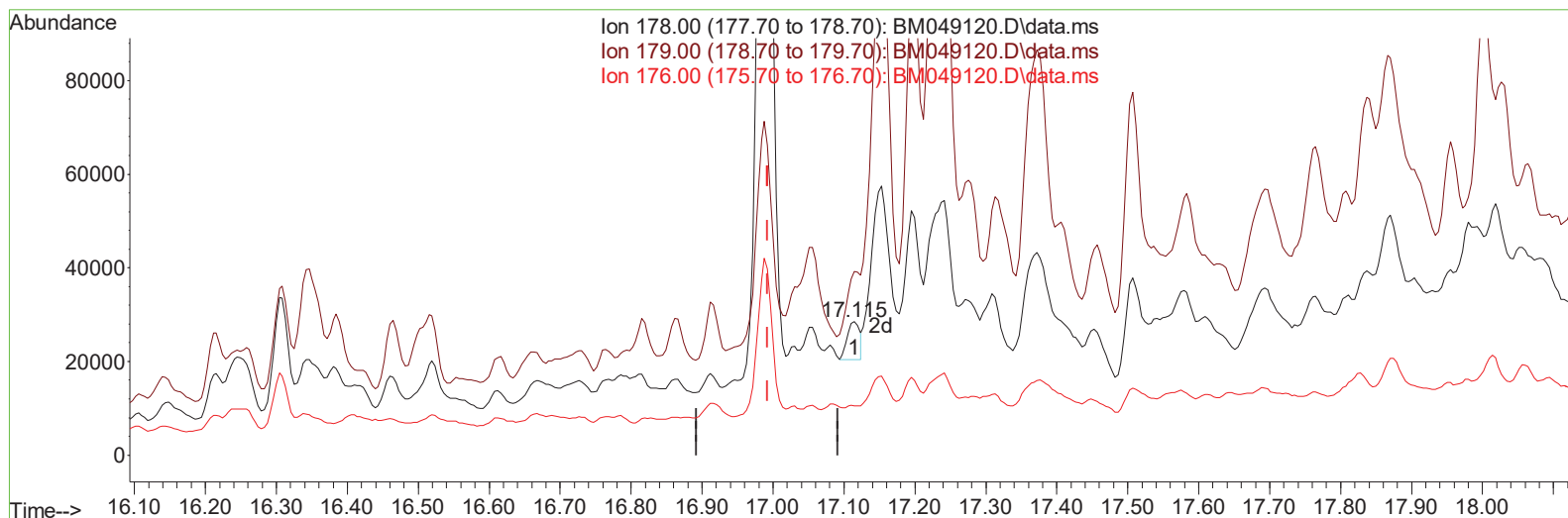
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049120.D
Acq On : 21 Dec 2024 03:38
Operator : RC/JU
Sample : P5265-14RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Z9RE

Manual IntegrationsAPPROVED

Quant Time: Dec 21 04:04:09 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
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Supervised By :mohammad ahmed 12/24/2024



TIC: BM049120.D\data.ms

(15) Phenanthrene

17.115min (+ 0.122) 0.08 ng/u1

response 9830

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	137.20#
176.00	20.20	36.89#
0.00	0.00	0.00

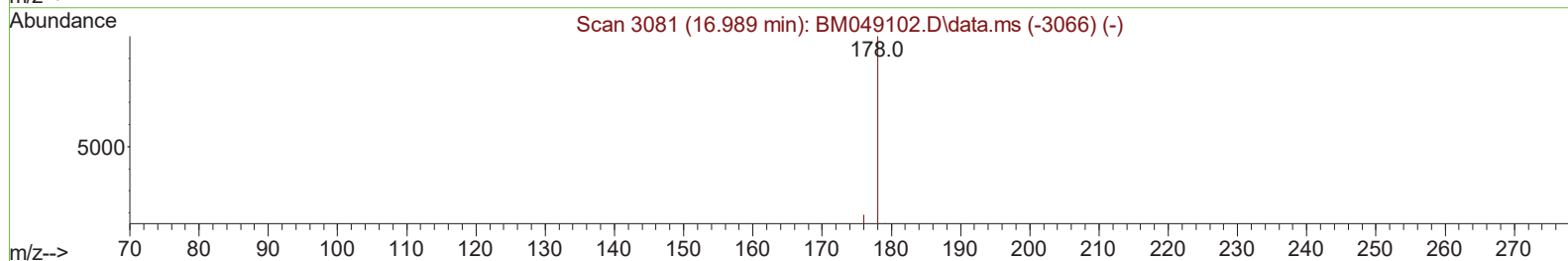
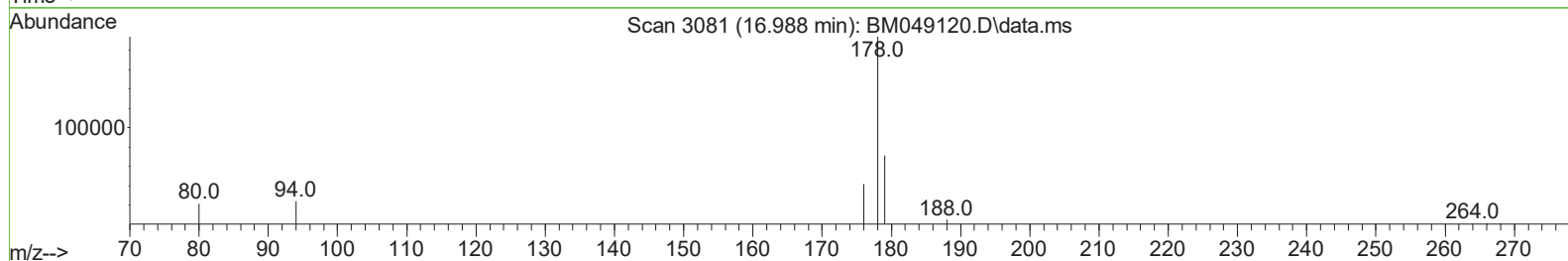
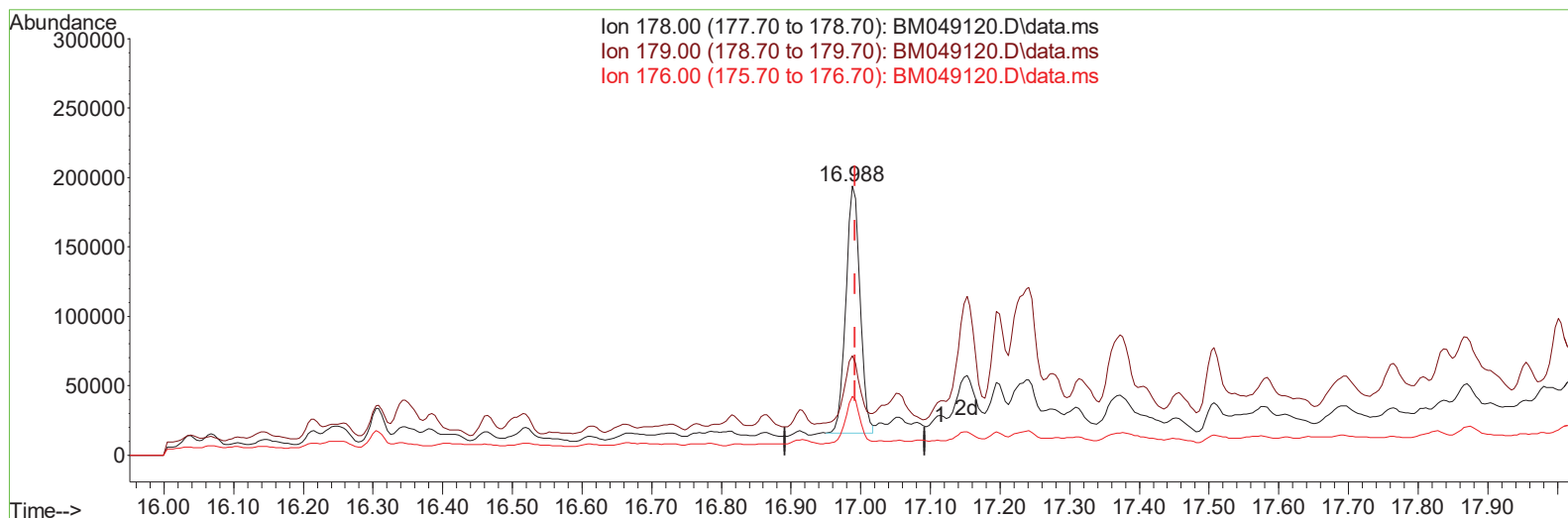
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
 Data File : BM049120.D
 Acq On : 21 Dec 2024 03:38
 Operator : RC/JU
 Sample : P5265-14RE
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28Z9RE

Manual IntegrationsAPPROVED

Quant Time: Dec 21 04:04:09 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: BM049120.D\data.ms

(15) Phenanthrene

16.988min (-0.004) 2.15 ng/ul m

response 251256

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	36.81#
176.00	20.20	21.72
0.00	0.00	0.00

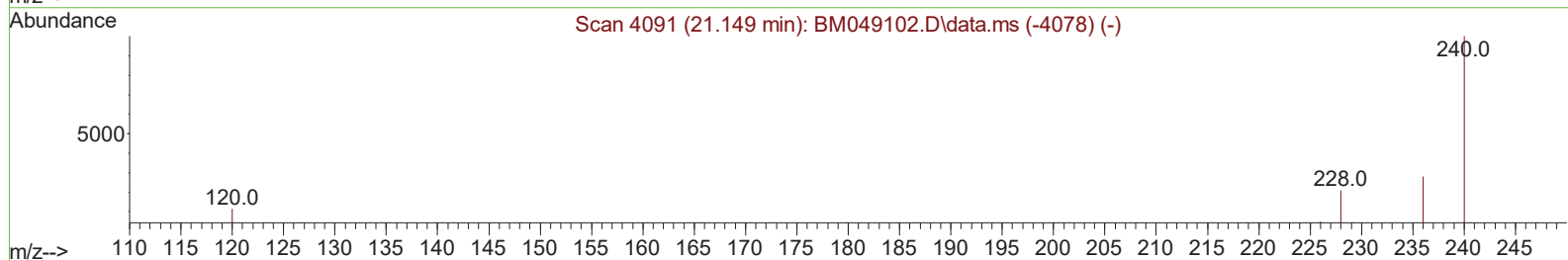
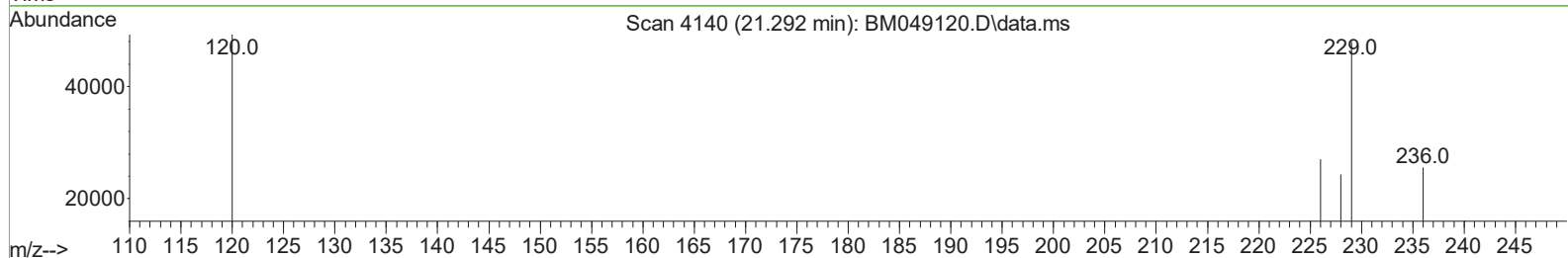
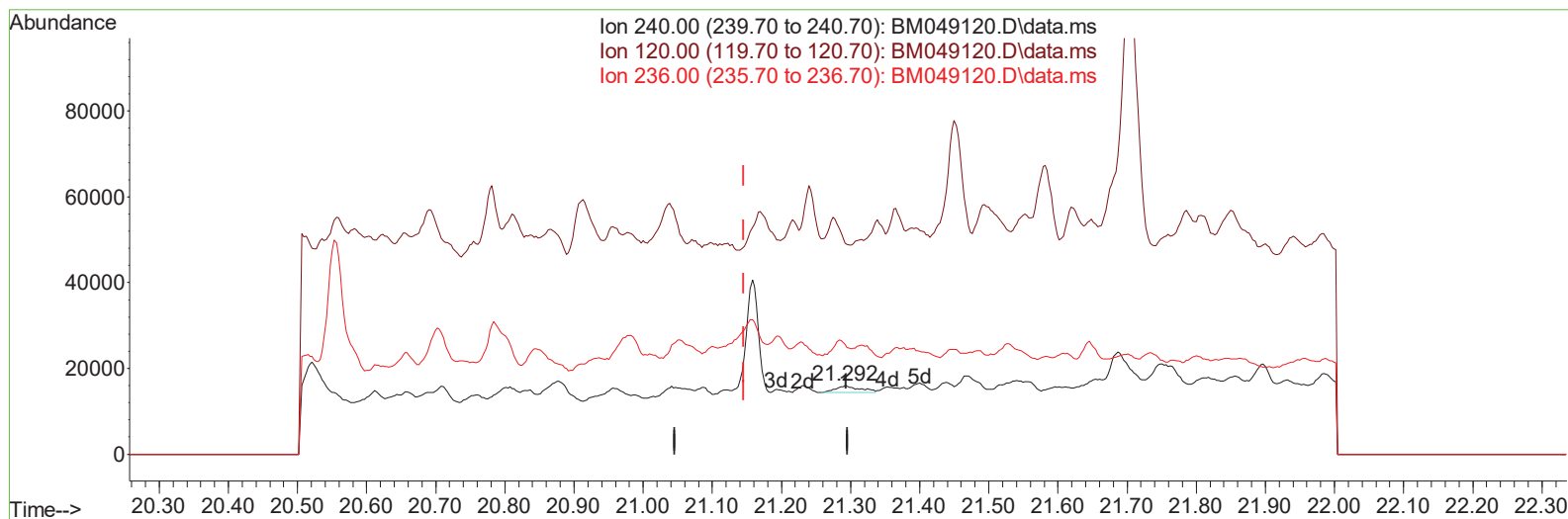
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049120.D
Acq On : 21 Dec 2024 03:38
Operator : RC/JU
Sample : P5265-14RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Z9RE

Manual IntegrationsAPPROVED

Quant Time: Dec 21 04:04:09 2024
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TIC: BM049120.D\data.ms

(17) Chrysene-d12

21.292min (+ 0.146) 0.40 ng/u1

response 4079

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	14.50	308.09#
236.00	29.80	159.85#
0.00	0.00	0.00

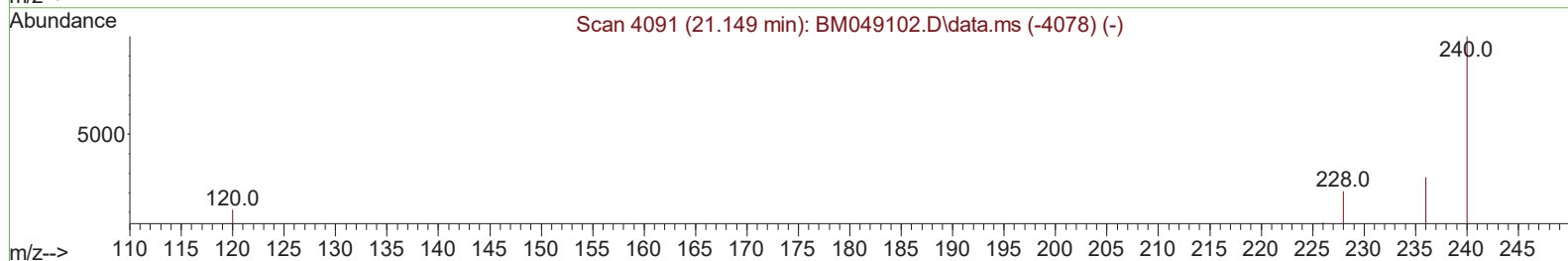
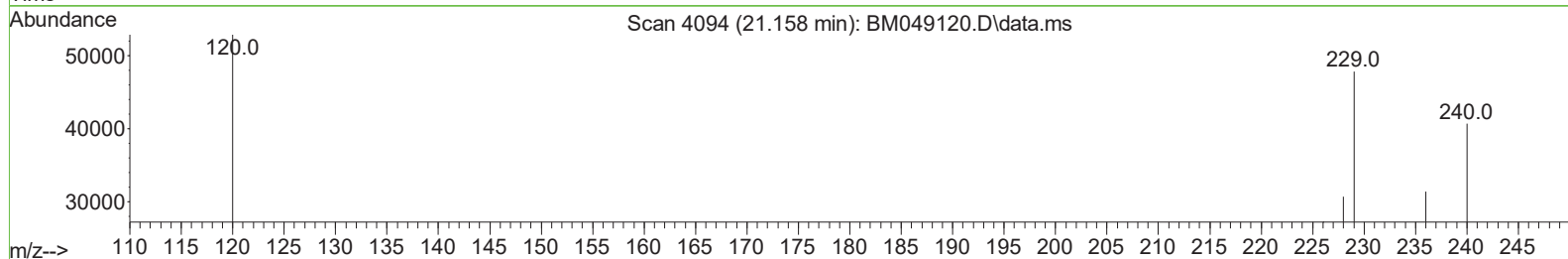
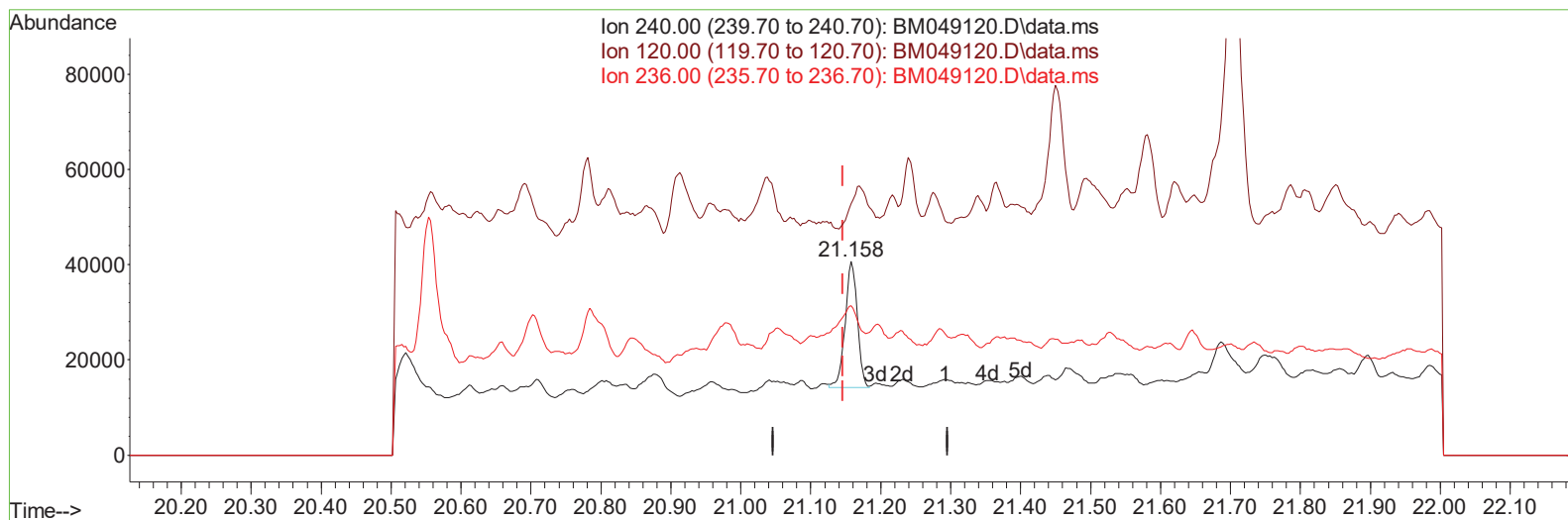
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Data File : BM049120.D
Acq On : 21 Dec 2024 03:38
Operator : RC/JU
Sample : P5265-14RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Z9RE

Manual IntegrationsAPPROVED

Quant Time: Dec 21 04:04:09 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: BM049120.D\data.ms

(17) Chrysene-d12

21.158min (+ 0.012) 0.40 ng/ul m

response 32208

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	14.50	130.03#
236.00	29.80	77.17#
0.00	0.00	0.00

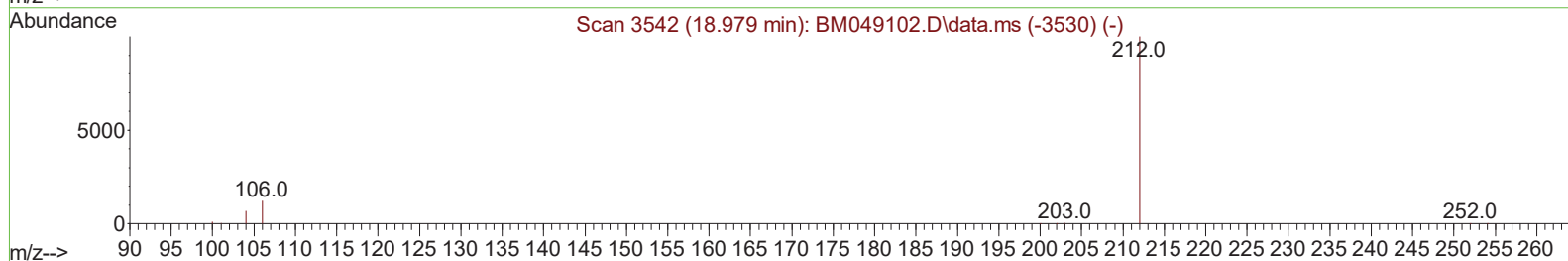
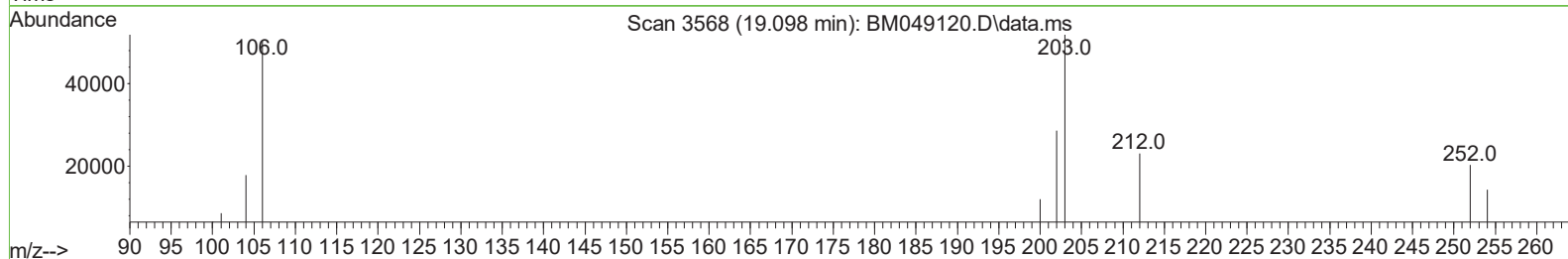
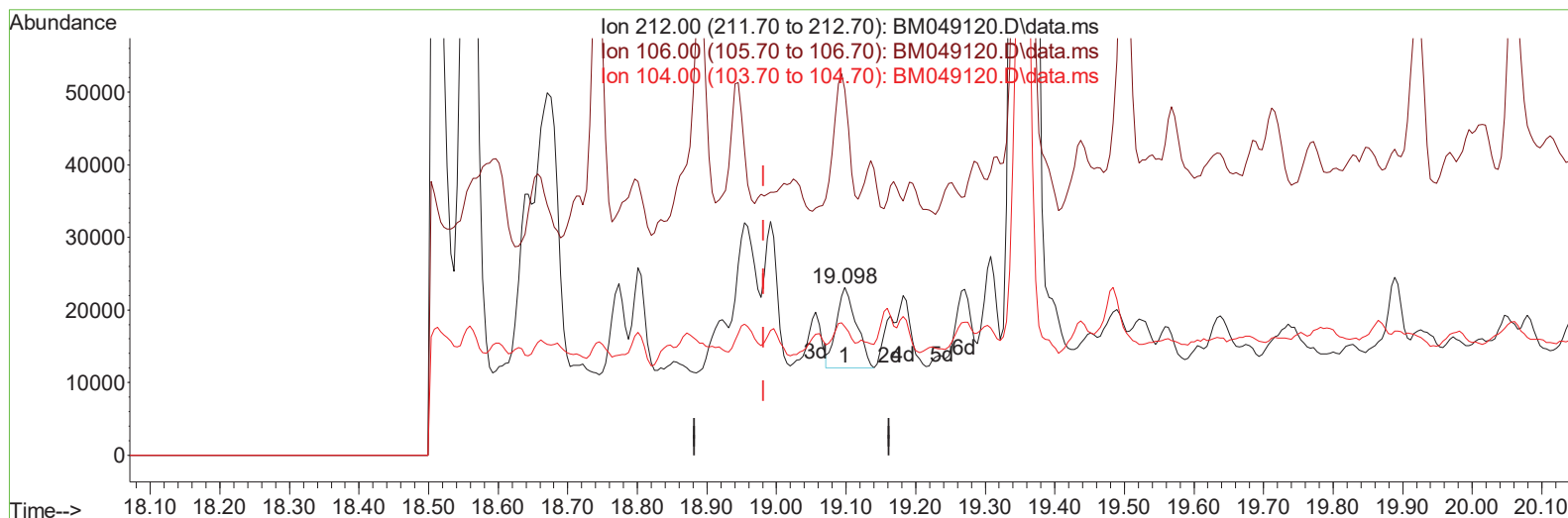
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049120.D
Acq On : 21 Dec 2024 03:38
Operator : RC/JU
Sample : P5265-14RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Z9RE

Manual IntegrationsAPPROVED

Quant Time: Dec 21 04:04:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
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TIC: BM049120.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.098min (+ 0.116) 0.24 ng/u1

response 21770

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	11.60	131.16#
104.00	6.50	41.85#
0.00	0.00	0.00

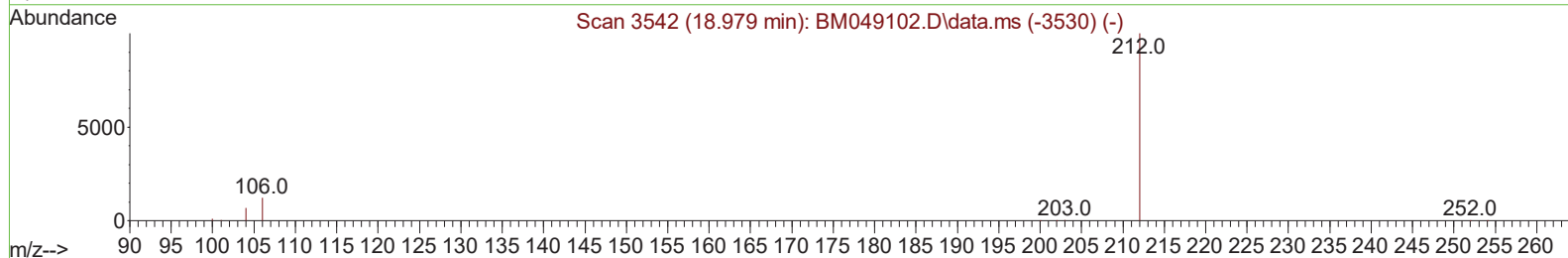
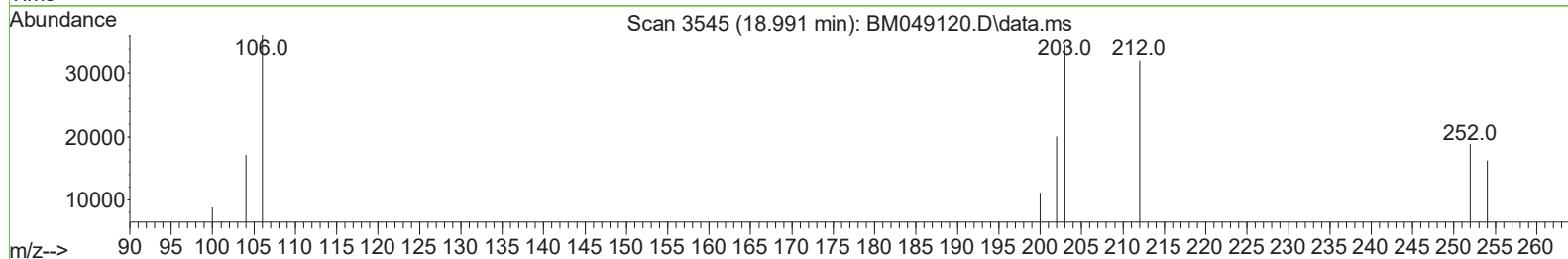
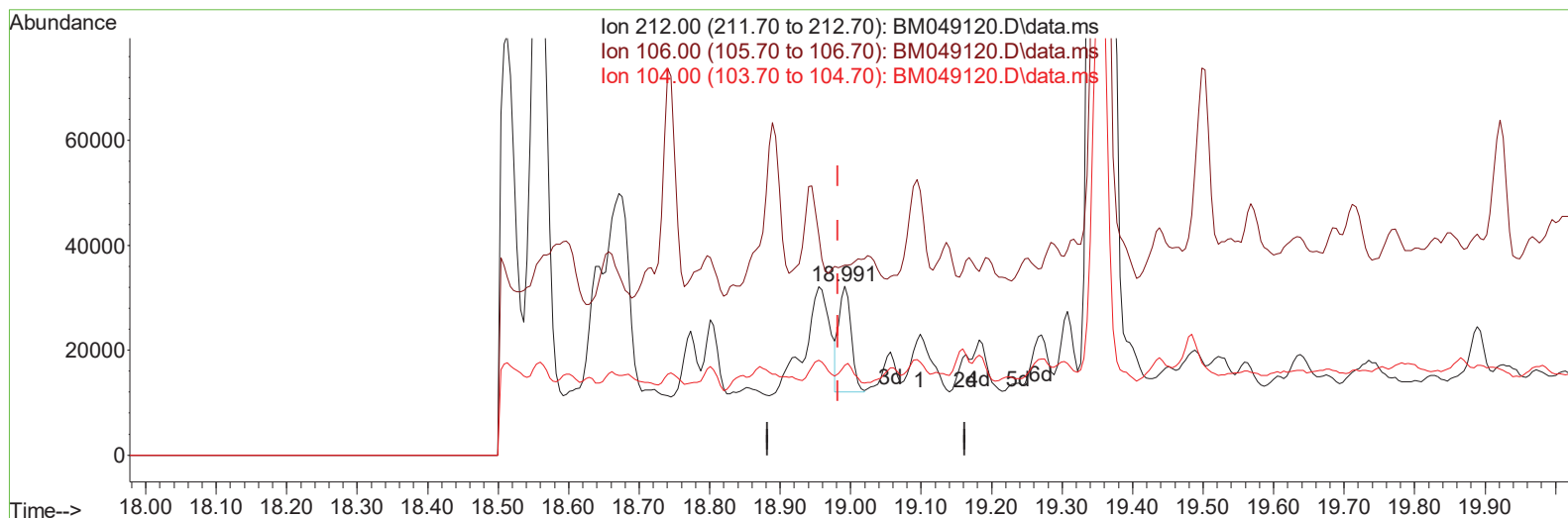
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049120.D
Acq On : 21 Dec 2024 03:38
Operator : RC/JU
Sample : P5265-14RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Z9RE

Manual IntegrationsAPPROVED

Quant Time: Dec 21 04:04:09 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: BM049120.D\data.ms

(18) Fluoranthene-d10 (SURR)

18.991min (+ 0.009) 0.27 ng/u1 m

response 24488

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	11.60	116.60#
104.00	6.50	37.21#
0.00	0.00	0.00

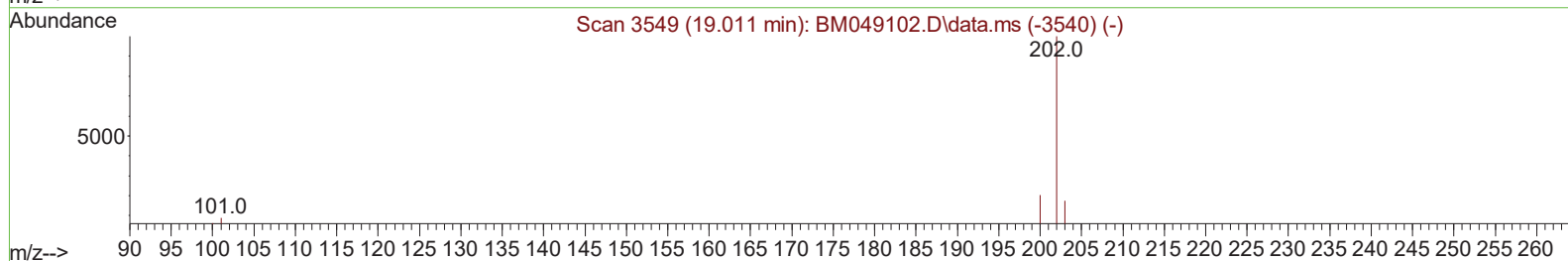
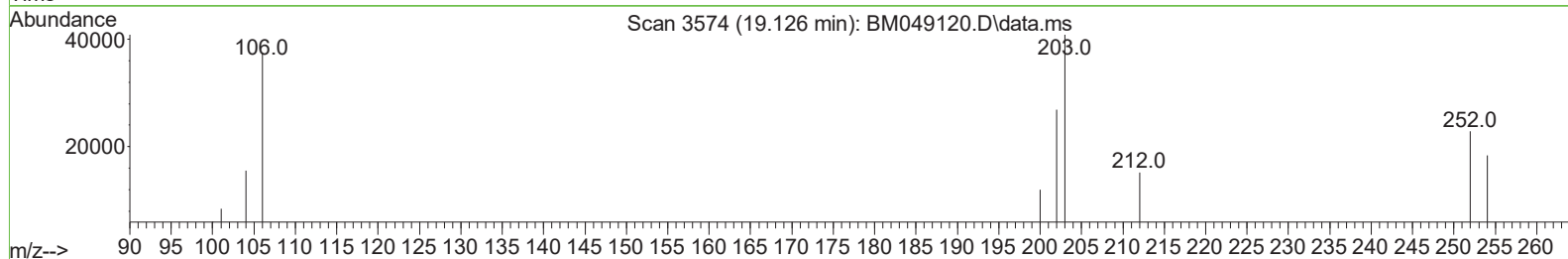
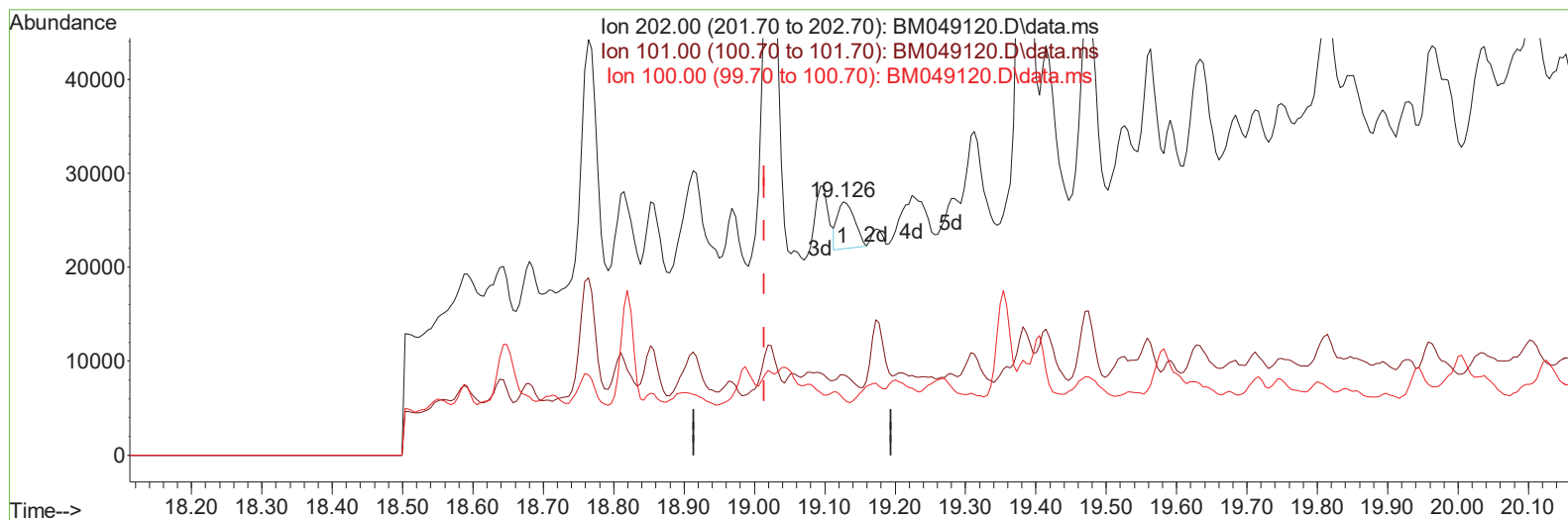
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049120.D
Acq On : 21 Dec 2024 03:38
Operator : RC/JU
Sample : P5265-14RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Z9RE

Manual IntegrationsAPPROVED

Quant Time: Dec 21 04:04:09 2024
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TIC: BM049120.D\data.ms

(19) Fluoranthene (C)

19.126min (+ 0.112) 0.07 ng/u1

response 8335

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	9.50	31.59#
100.00	6.90	22.30#
0.00	0.00	0.00

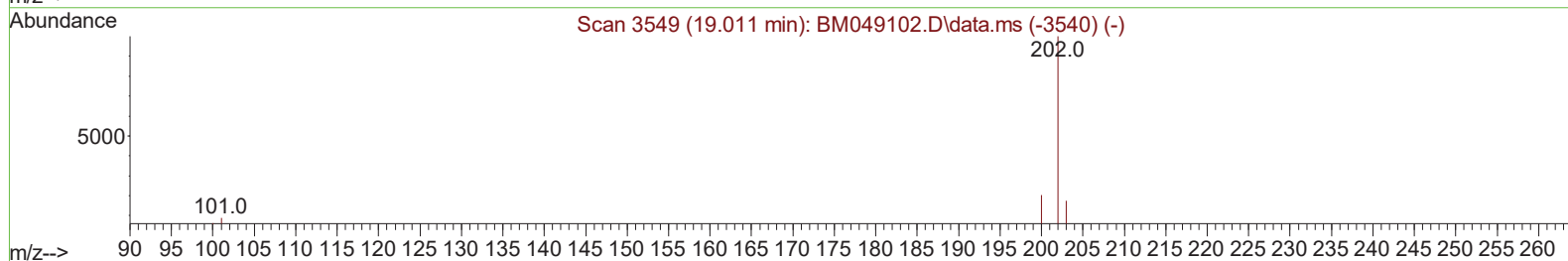
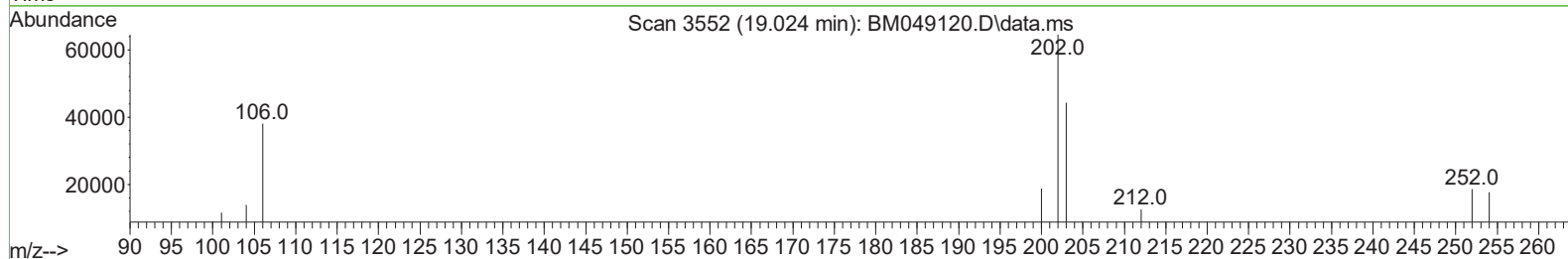
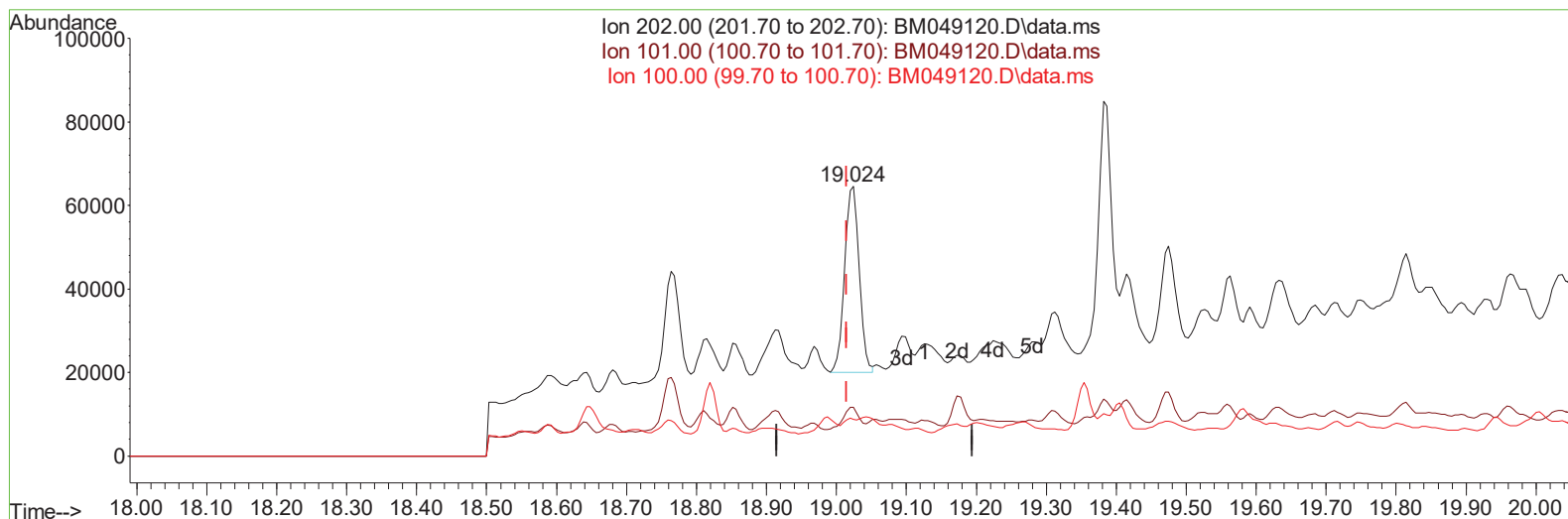
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
 Data File : BM049120.D
 Acq On : 21 Dec 2024 03:38
 Operator : RC/JU
 Sample : P5265-14RE
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28Z9RE

Manual IntegrationsAPPROVED

Quant Time: Dec 21 04:04:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
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TIC: BM049120.D\data.ms

(19) Fluoranthene (C)

19.024min (+ 0.009) 0.55 ng/ul m

response 64255

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	9.50	18.07#
100.00	6.90	13.64#
0.00	0.00	0.00

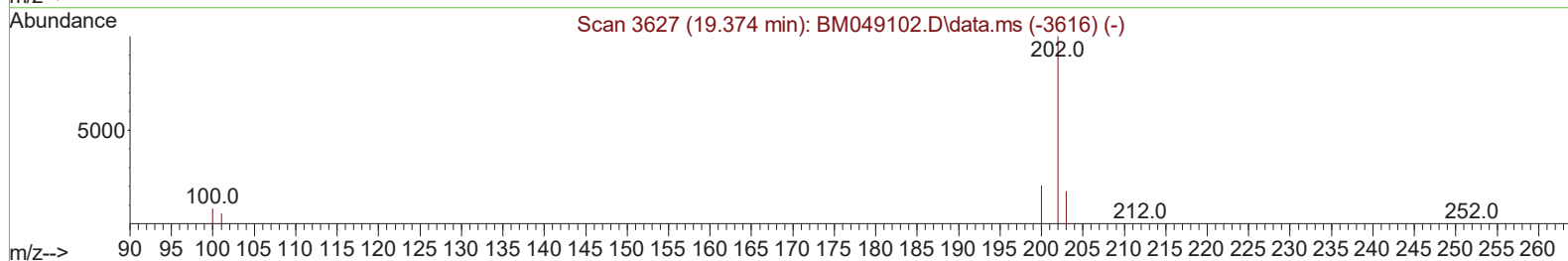
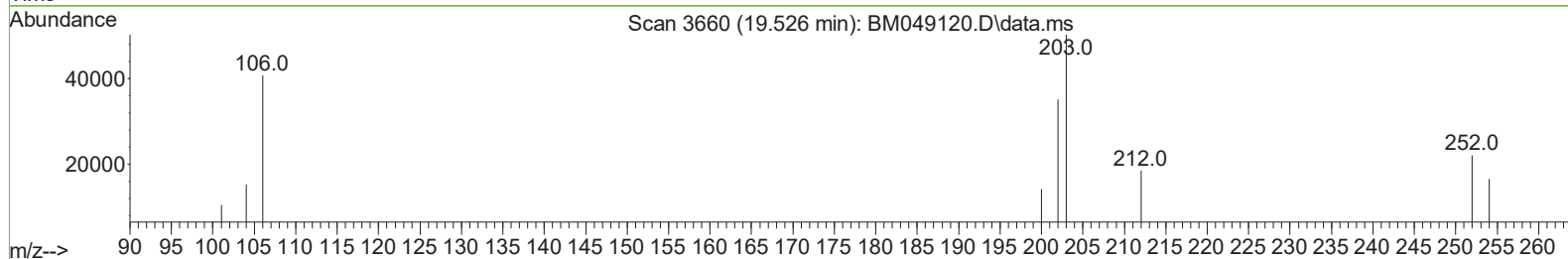
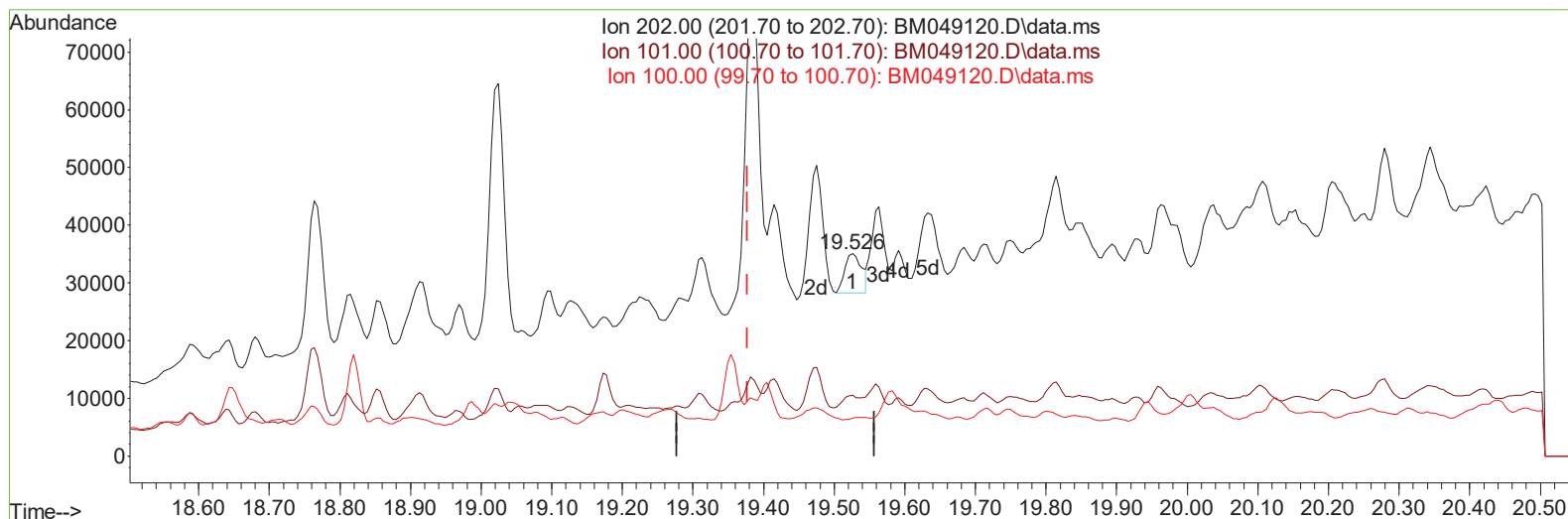
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049120.D
Acq On : 21 Dec 2024 03:38
Operator : RC/JU
Sample : P5265-14RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Z9RE

Manual IntegrationsAPPROVED

Quant Time: Dec 21 04:04:09 2024
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TIC: BM049120.D\data.ms

(20) Pyrene

19.526min (+ 0.149) 0.09 ng/u1

response 11619

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.10	29.89#
100.00	8.60	18.61#
0.00	0.00	0.00

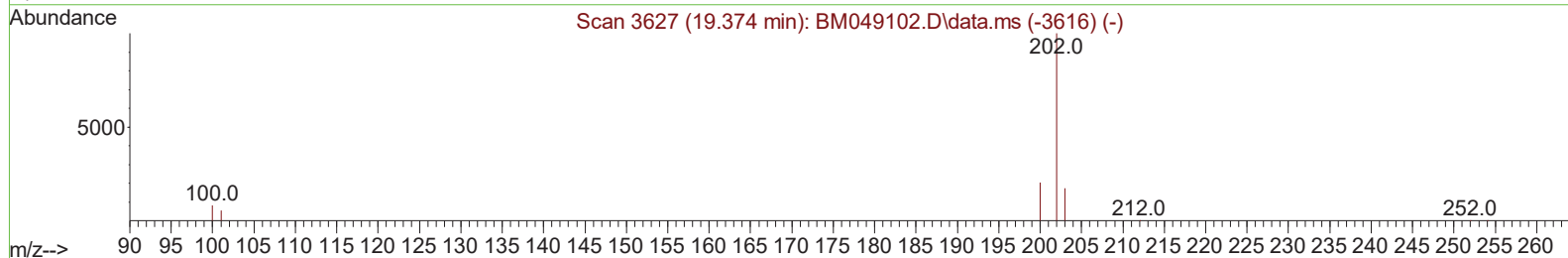
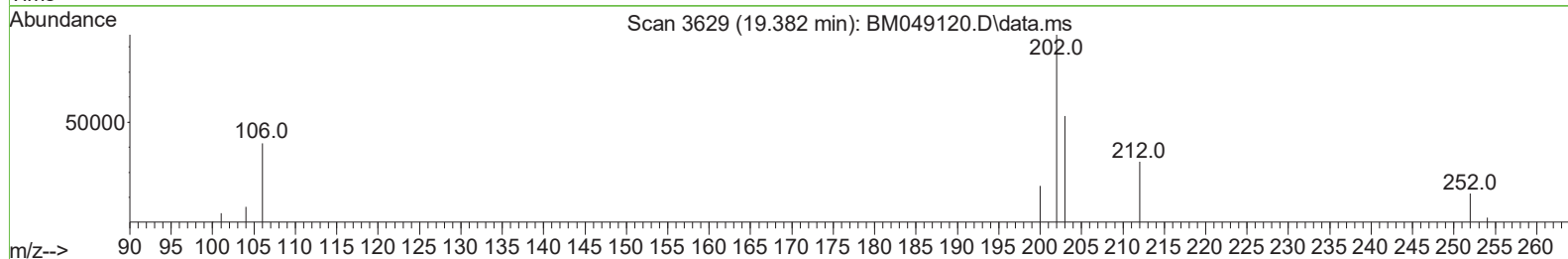
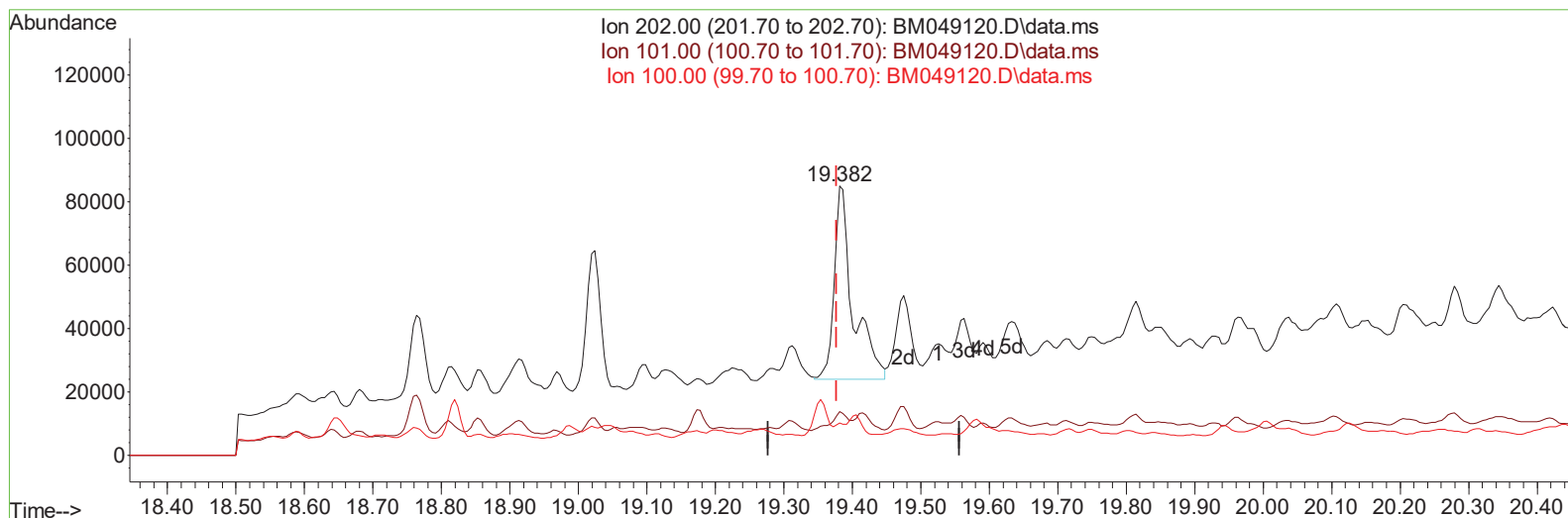
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049120.D
Acq On : 21 Dec 2024 03:38
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Sample : P5265-14RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Z9RE

Manual IntegrationsAPPROVED

Quant Time: Dec 21 04:04:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
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TIC: BM049120.D\data.ms

(20) Pyrene

19.382min (+ 0.005) 0.92 ng/ul m

response 114021

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.10	16.13#
100.00	8.60	11.91#
0.00	0.00	0.00

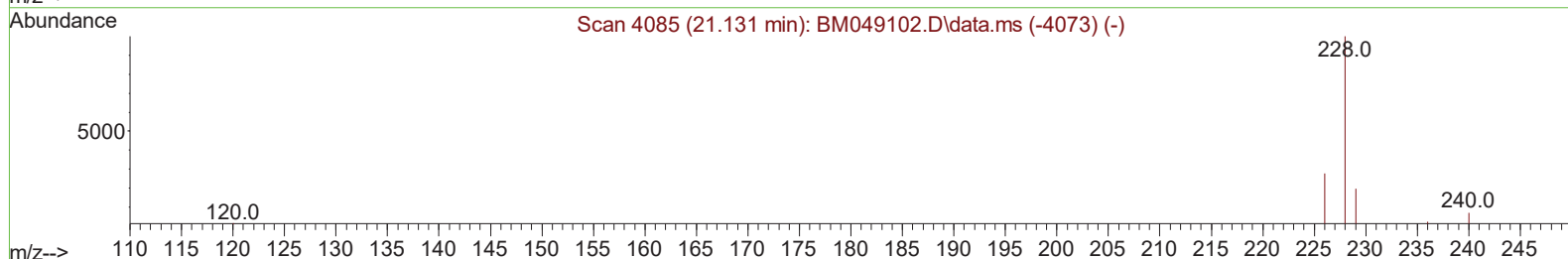
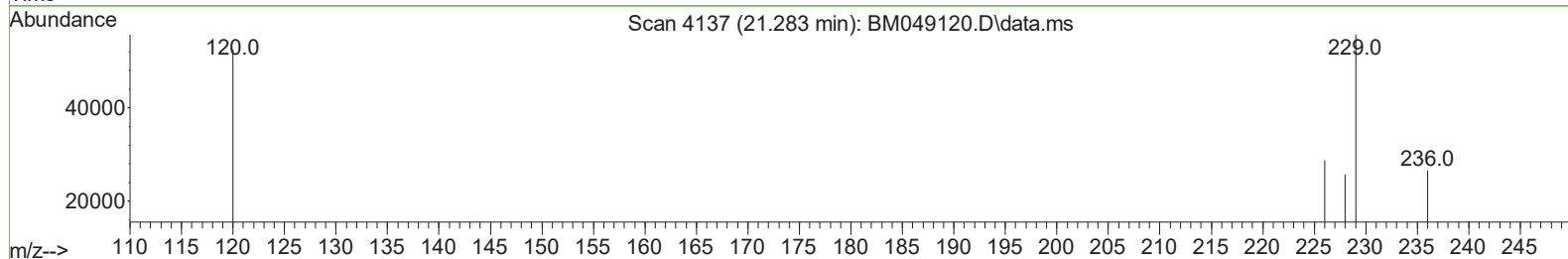
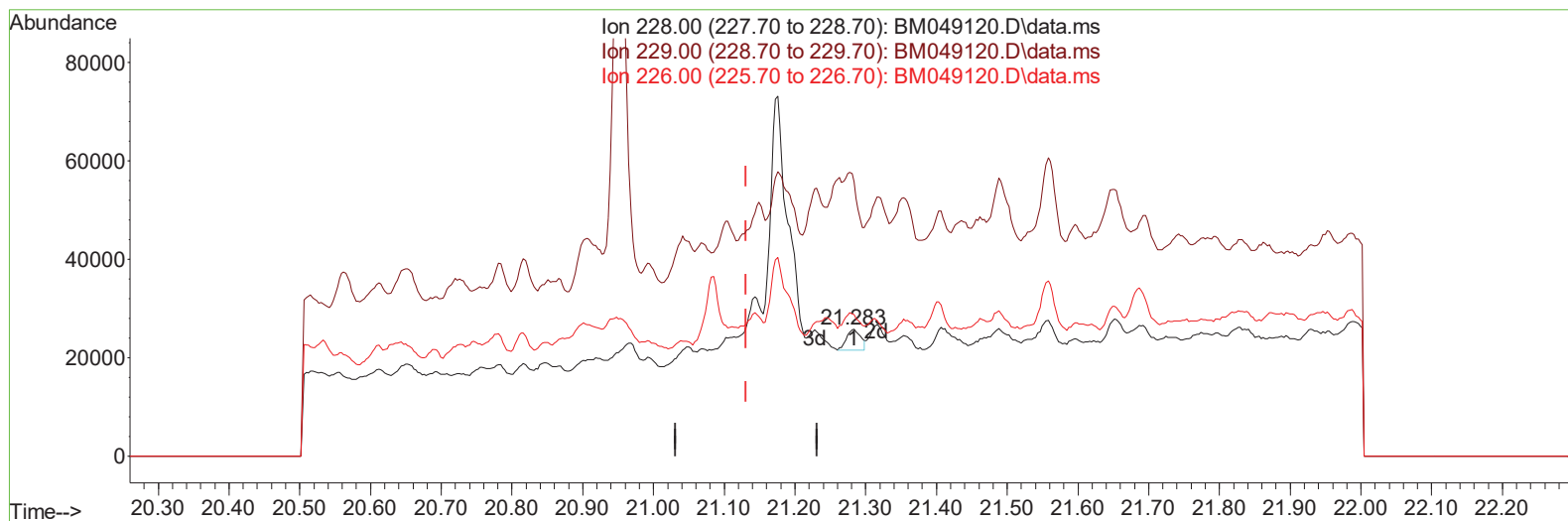
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049120.D
Acq On : 21 Dec 2024 03:38
Operator : RC/JU
Sample : P5265-14RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Z9RE

Manual IntegrationsAPPROVED

Quant Time: Dec 21 04:04:09 2024
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TIC: BM049120.D\data.ms

(21) Benzo(a)anthracene

21.283min (+ 0.152) 0.05 ng/u1

response 5889

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.90	216.05#
226.00	28.30	111.61#
0.00	0.00	0.00

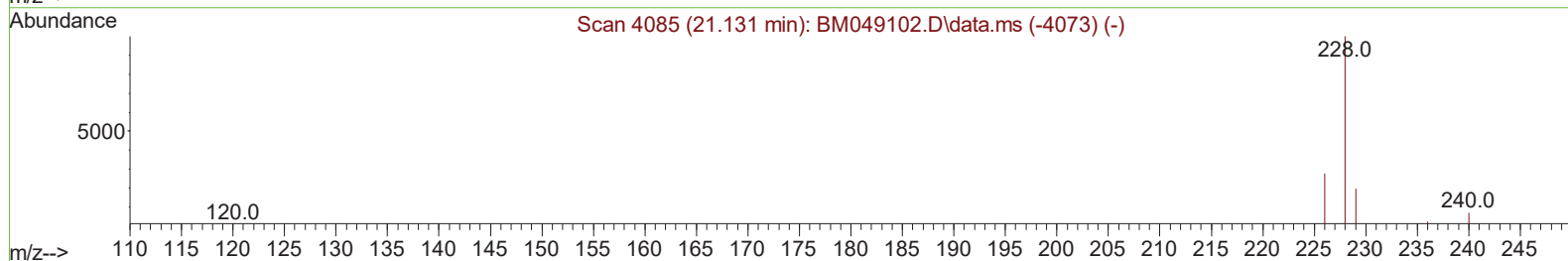
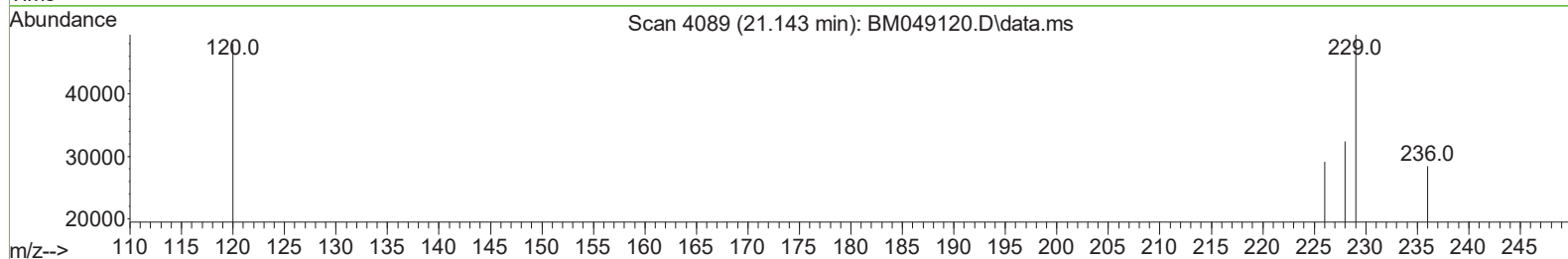
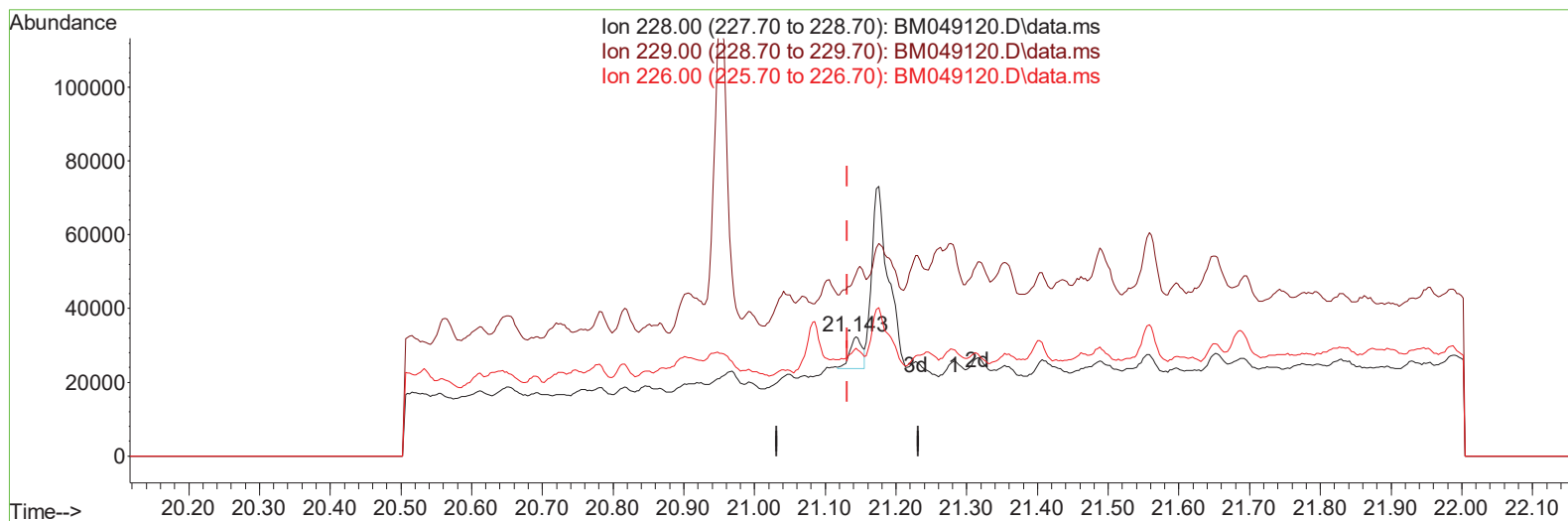
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049120.D
Acq On : 21 Dec 2024 03:38
Operator : RC/JU
Sample : P5265-14RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Z9RE

Manual IntegrationsAPPROVED

Quant Time: Dec 21 04:04:09 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: BM049120.D\data.ms

(21) Benzo(a)anthracene

21.143min (+ 0.012) 0.09 ng/u l m

response 10492

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.90	152.64#
226.00	28.30	90.05#
0.00	0.00	0.00

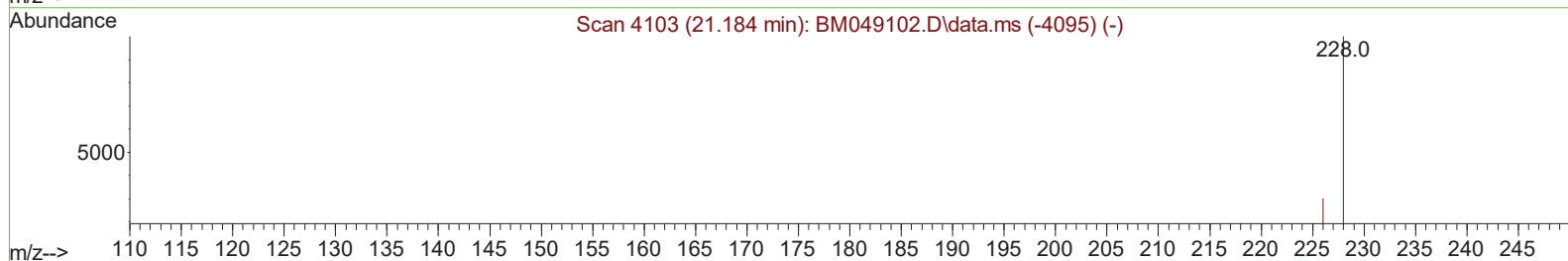
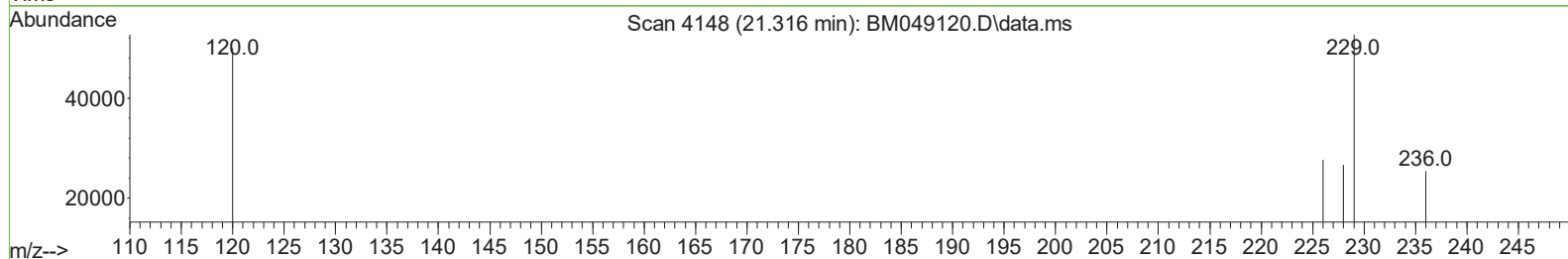
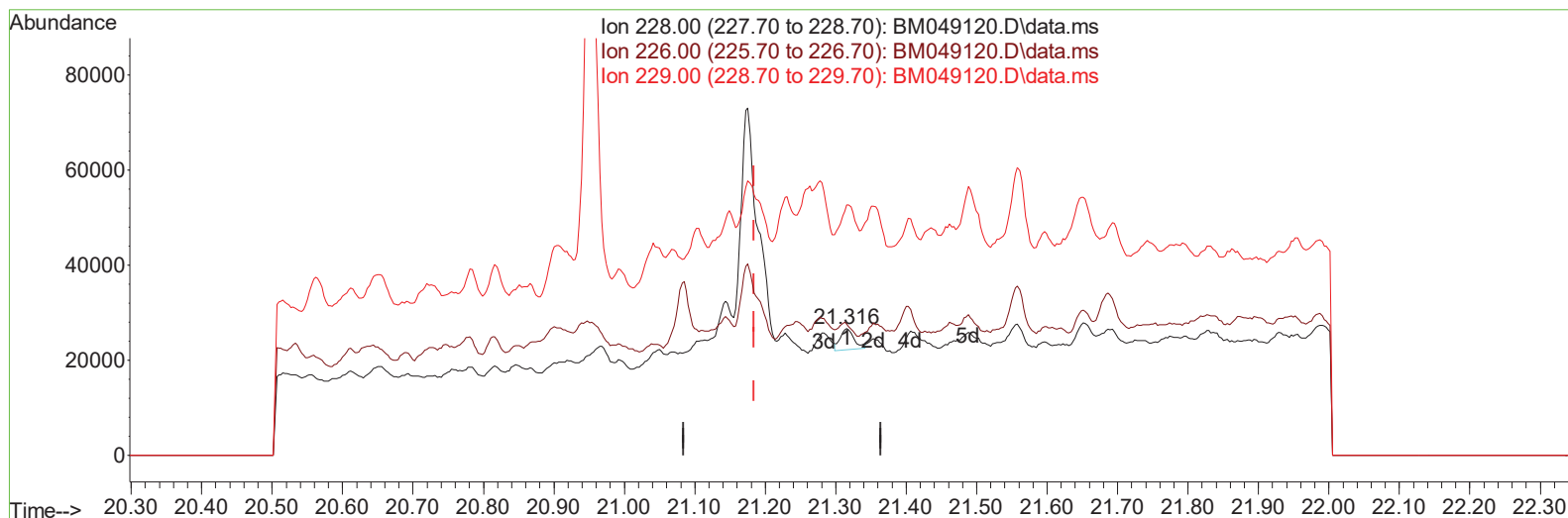
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049120.D
Acq On : 21 Dec 2024 03:38
Operator : RC/JU
Sample : P5265-14RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual IntegrationsAPPROVED

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QLast Update : Wed Dec 18 15:33:13 2024
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TIC: BM049120.D\data.ms

(22) Chrysene

21.316min (+ 0.131) 0.05 ng/u1

response 5994

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.10	103.63#
229.00	19.80	197.60#
0.00	0.00	0.00

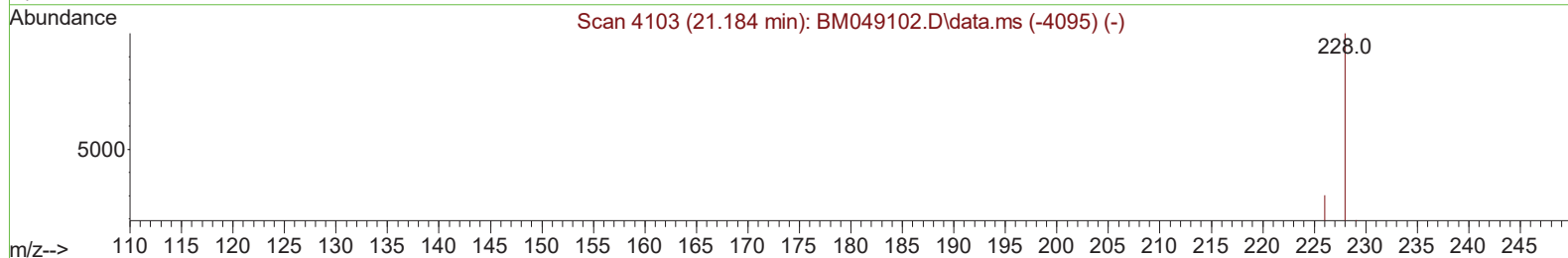
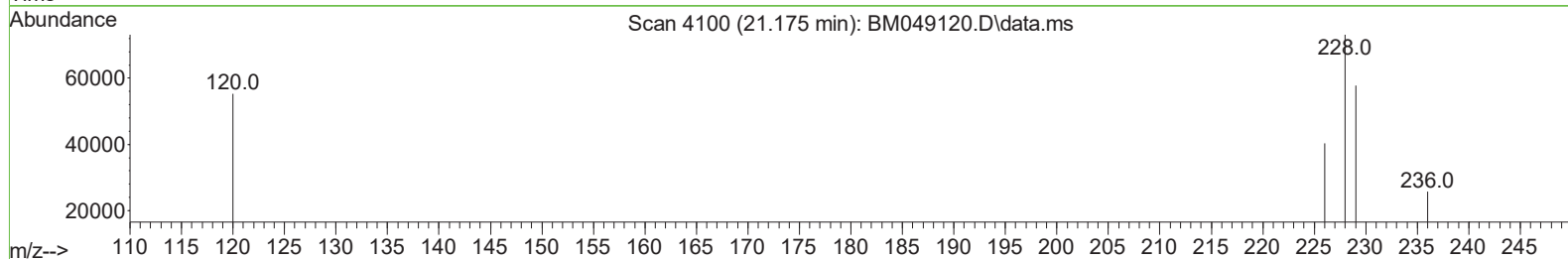
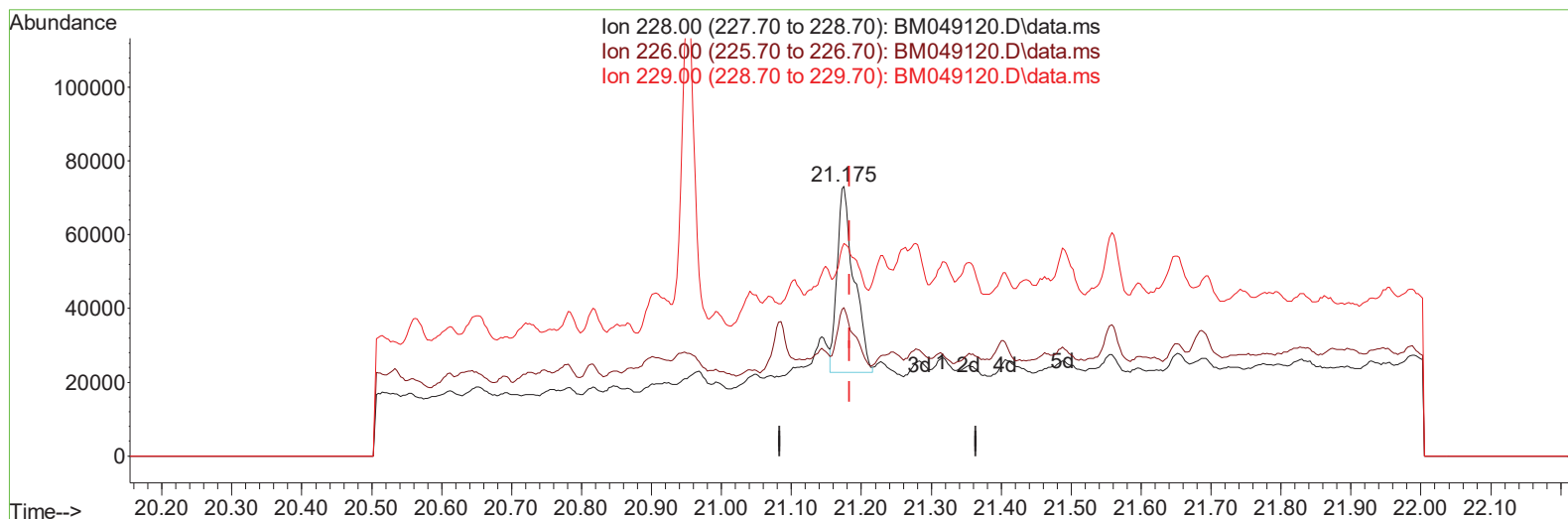
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049120.D
Acq On : 21 Dec 2024 03:38
Operator : RC/JU
Sample : P5265-14RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Z9RE

Manual IntegrationsAPPROVED

Quant Time: Dec 21 04:04:09 2024
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QLast Update : Wed Dec 18 15:33:13 2024
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Reviewed By :Jagrut Upadhyay 12/23/2024
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TIC: BM049120.D\data.ms

(22) Chrysene

21.175min (-0.009) 0.70 ng/ul m

response 84388

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.10	55.12#
229.00	19.80	78.99#
0.00	0.00	0.00

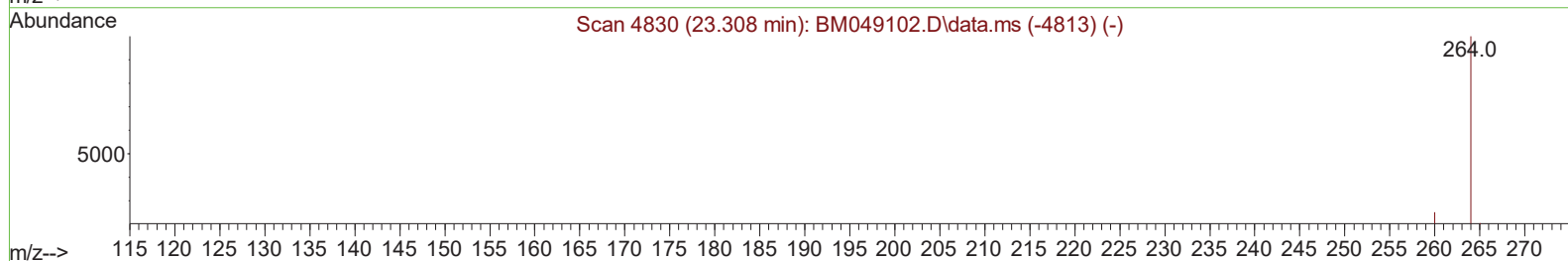
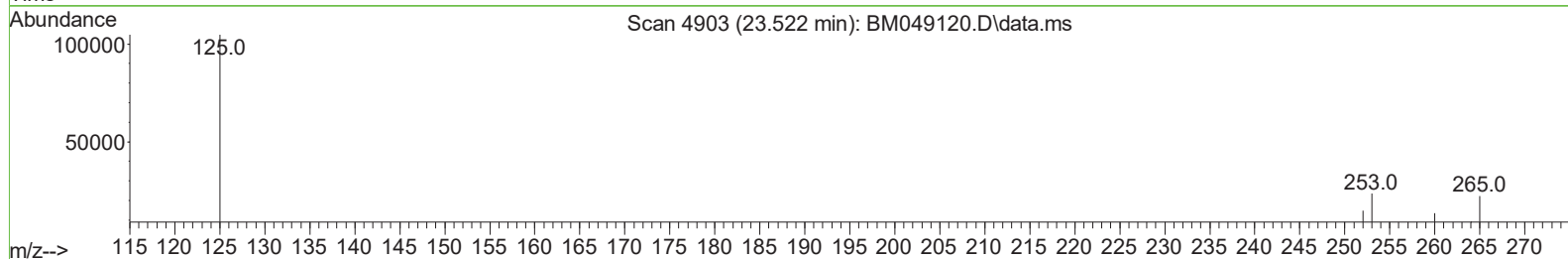
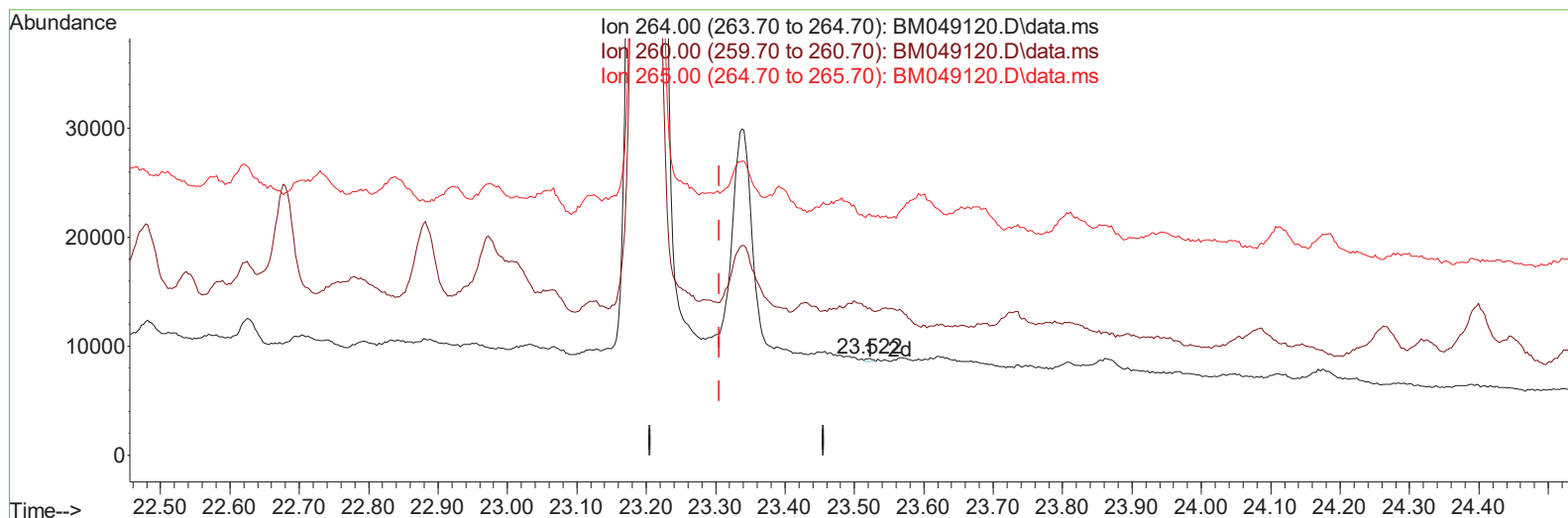
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049120.D
Acq On : 21 Dec 2024 03:38
Operator : RC/JU
Sample : P5265-14RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Z9RE

Manual IntegrationsAPPROVED

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TIC: BM049120.D\data.ms

(23) Perylene-d12 (I)

23.522min (+ 0.216) 0.40 ng/ul

response 187

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	152.22#
265.00	78.30	248.46#
0.00	0.00	0.00

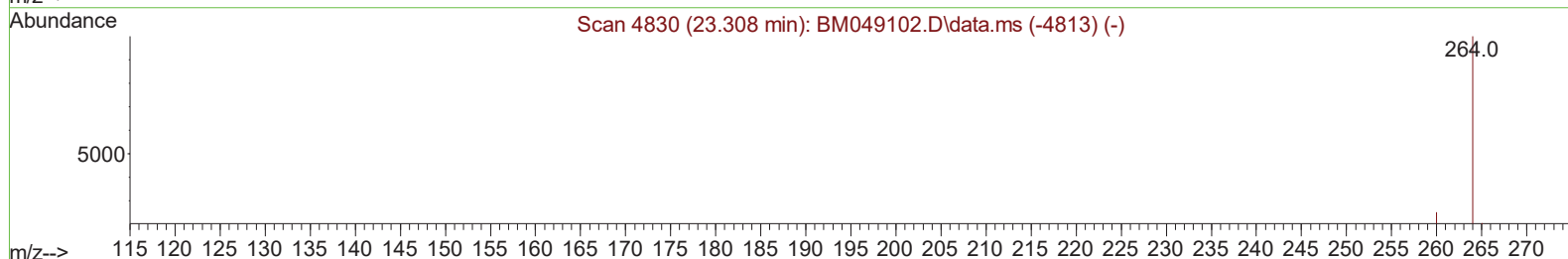
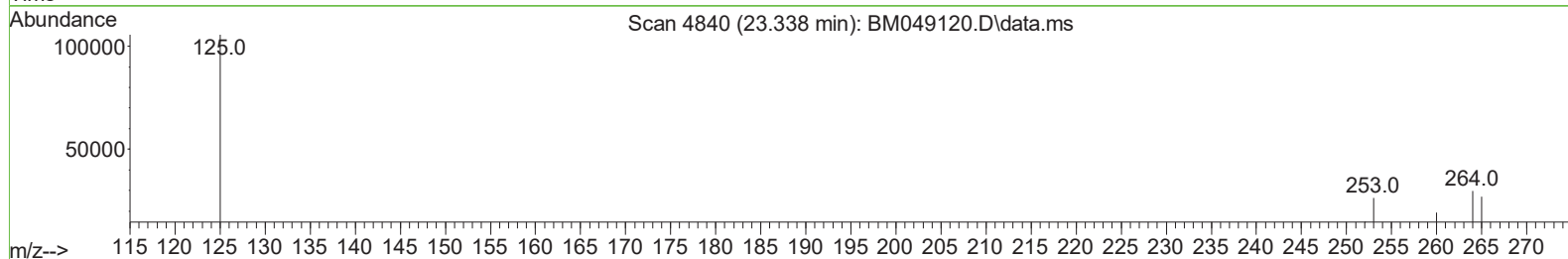
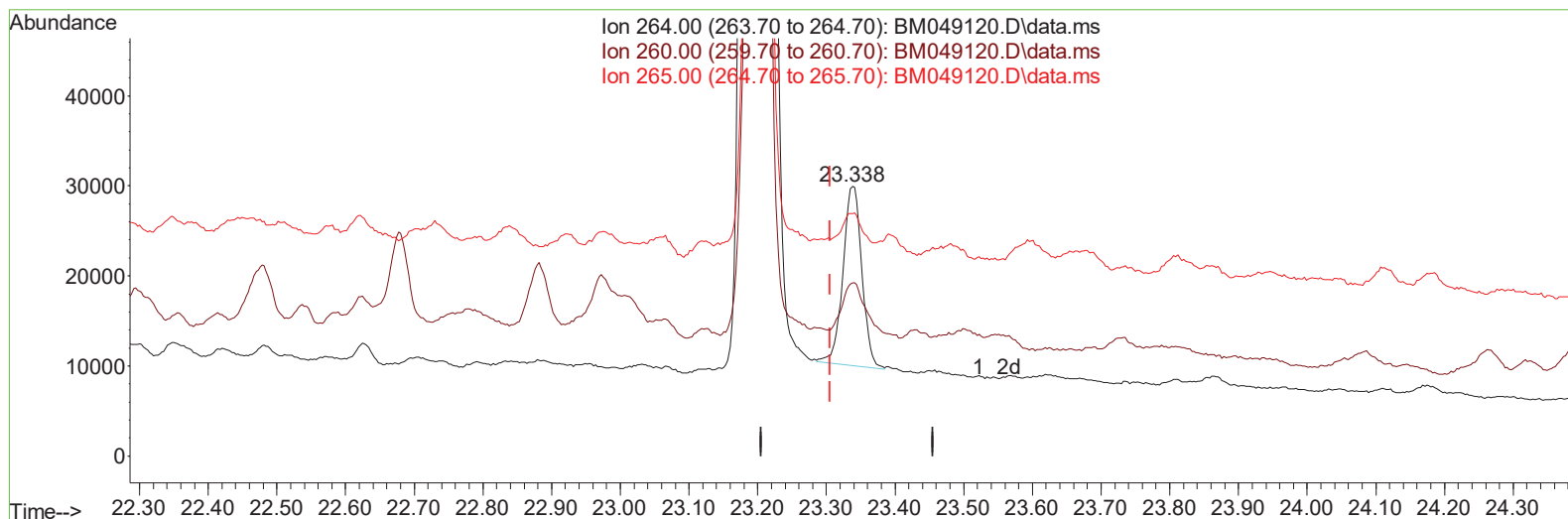
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049120.D
Acq On : 21 Dec 2024 03:38
Operator : RC/JU
Sample : P5265-14RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Z9RE

Manual IntegrationsAPPROVED

Quant Time: Dec 21 04:04:09 2024
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TIC: BM049120.D\data.ms

(23) Perylene-d12 (I)

23.338min (+ 0.032) 0.40 ng/ul m

response 37960

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	64.30#
265.00	78.30	90.03
0.00	0.00	0.00

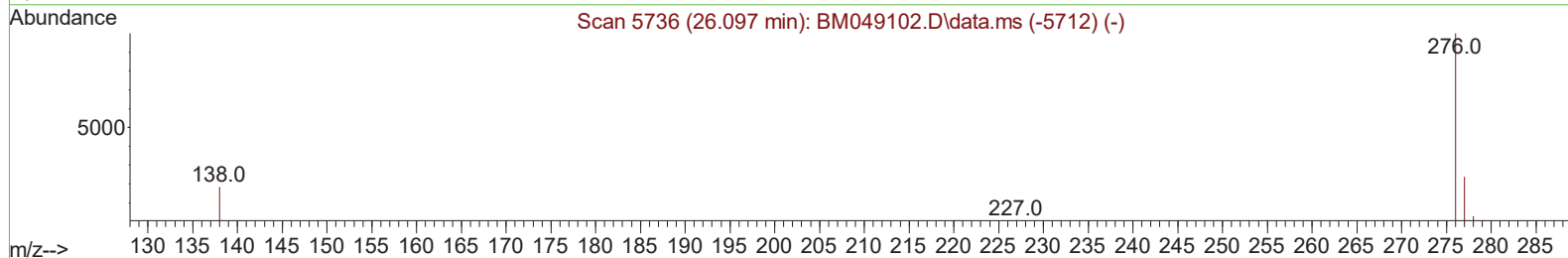
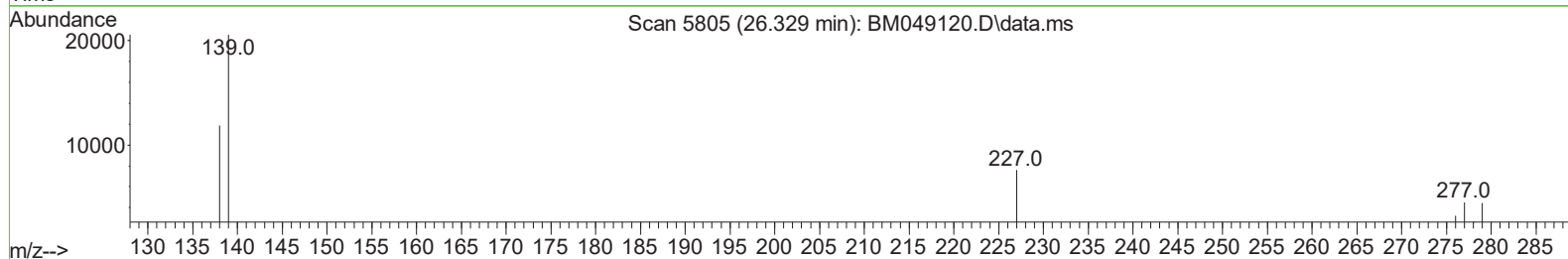
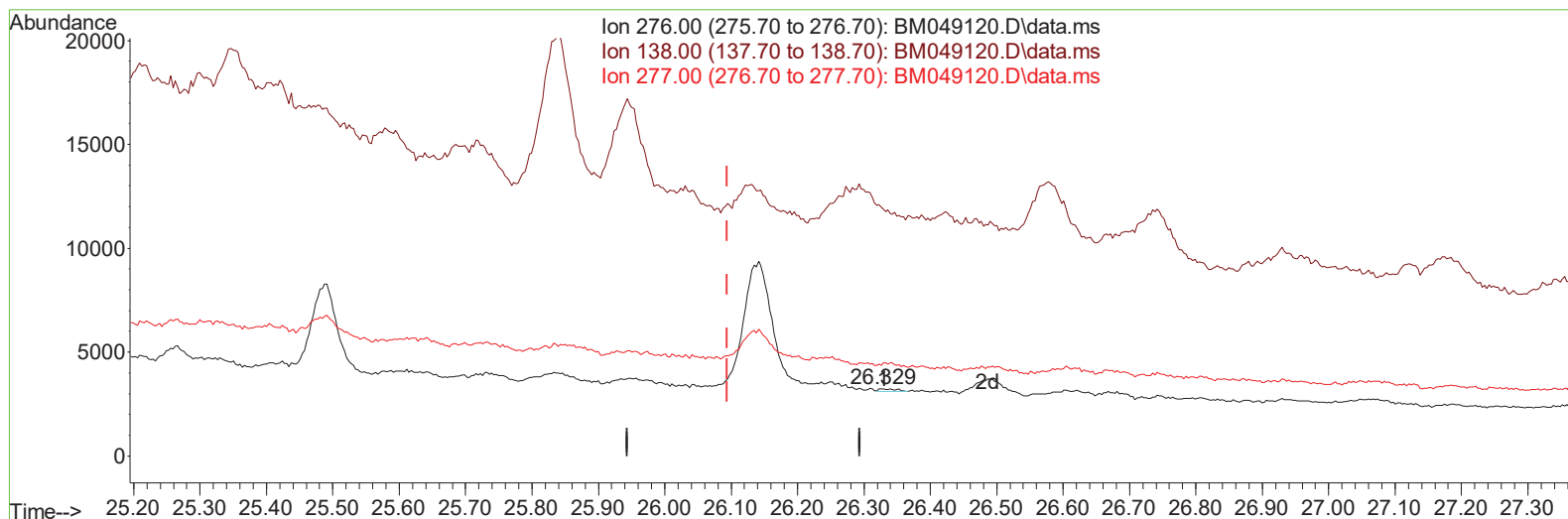
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049120.D
Acq On : 21 Dec 2024 03:38
Operator : RC/JU
Sample : P5265-14RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28Z9RE

Manual IntegrationsAPPROVED

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TIC: BM049120.D\data.ms

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

26.329min (+ 0.235) 0.00 ng/u1

response 212

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	20.90	367.68#
277.00	24.90	138.95#
0.00	0.00	0.00

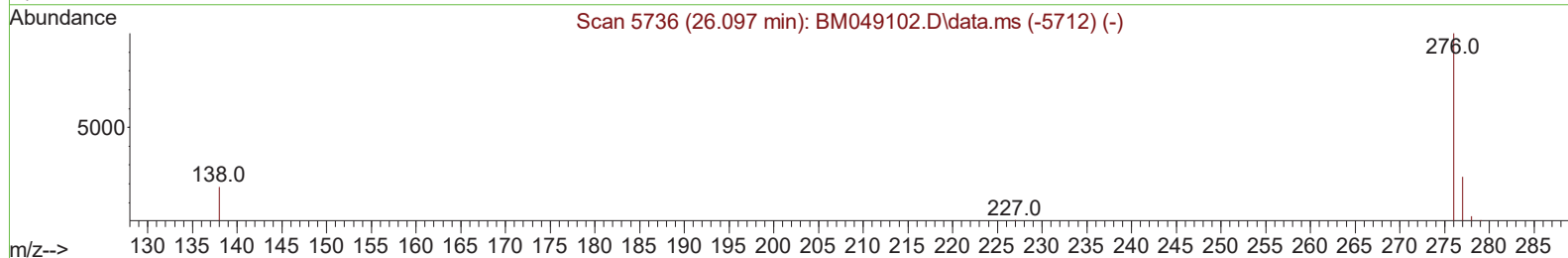
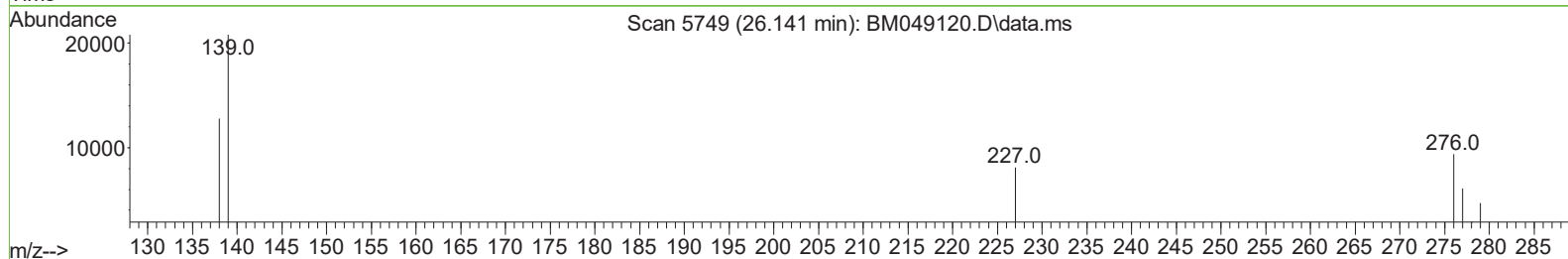
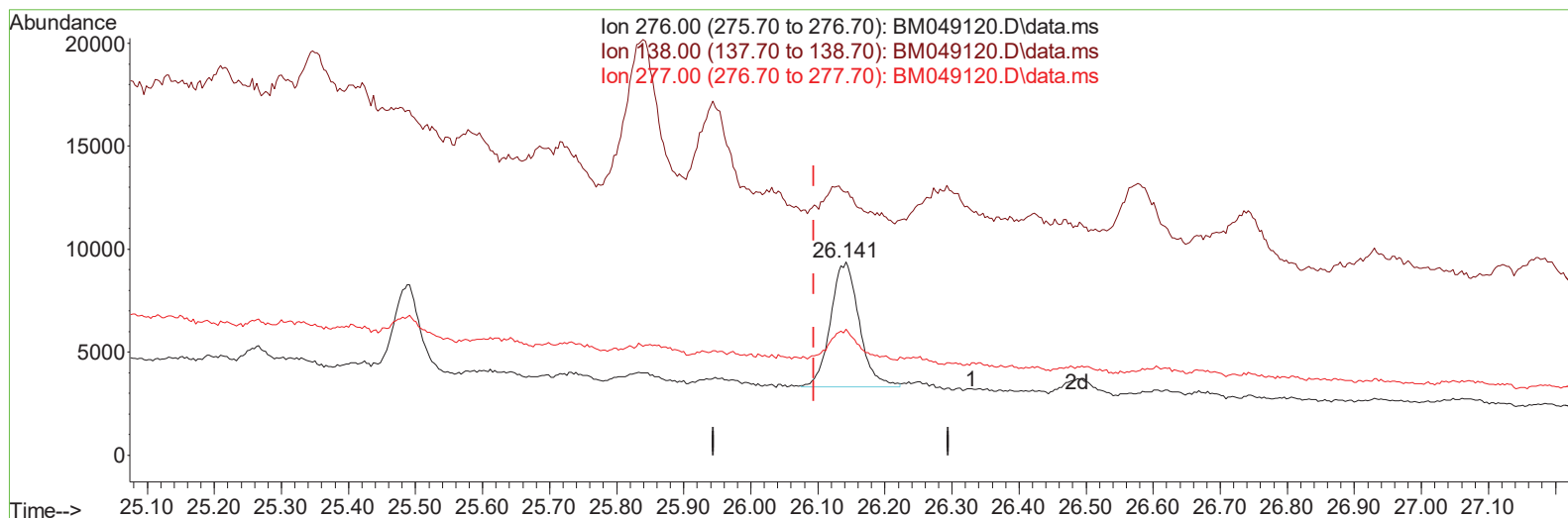
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049120.D
Acq On : 21 Dec 2024 03:38
Operator : RC/JU
Sample : P5265-14RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BM049120.D\data.ms

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

26.141min (+ 0.047) 0.14 ng/ul m

response 17924

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	20.90	136.17#
277.00	24.90	65.26#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
 Data File : BM049120.D
 Acq On : 21 Dec 2024 03:38
 Operator : RC/JU
 Sample : P5265-14RE
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28Z9RE

Manual IntegrationsAPPROVED

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

Quant Time: Dec 21 04:04:09 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.556	152	10466	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.319	136	32485	0.400	ng/ul	#-0.01
9) Acenaphthene-d10	14.195	164	26387	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.950	188	44699m	0.400	ng/ul	0.00
17) Chrysene-d12	21.158	240	32208m	0.400	ng/ul	0.01
23) Perylene-d12	23.338	264	37960m	0.400	ng/ul	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.147	96	40656	3.368	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.914	152	9458	0.217	ng/ul	-0.01
18) Fluoranthene-d10	18.991	212	24488m	0.268	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.369	128	10691	0.131	ng/ul#	92
7) 2-Methylnaphthalene	11.991	142	27302	0.530	ng/ul	99
8) 1-Methylnaphthalene	12.211	142	28056	0.532	ng/ul	92
10) Acenaphthylene	13.932	152	10295	0.094	ng/ul#	1
11) Acenaphthene	14.256	153	5065	0.063	ng/ul#	75
12) Fluorene	15.250	166	34811	0.387	ng/ul#	58
15) Phenanthrene	16.988	178	251256m	2.152	ng/ul	
19) Fluoranthene	19.024	202	64255m	0.552	ng/ul	
20) Pyrene	19.382	202	114021m	0.918	ng/ul	
21) Benzo(a)anthracene	21.143	228	10492m	0.094	ng/ul	
22) Chrysene	21.175	228	84388m	0.702	ng/ul	
29) Benzo(g,h,i)perylene	26.141	276	17924m	0.135	ng/ul	

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

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