

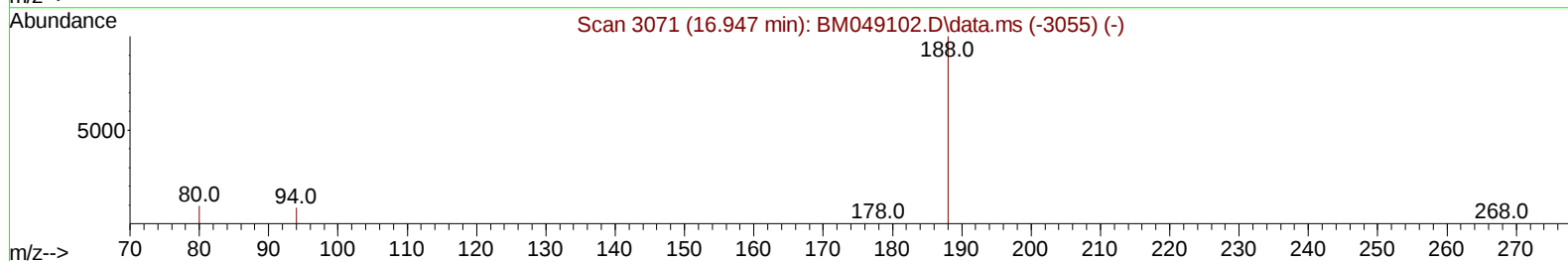
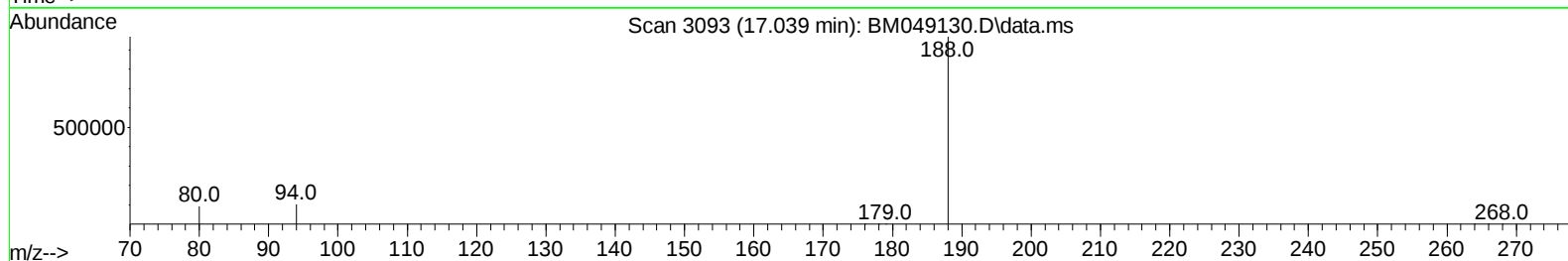
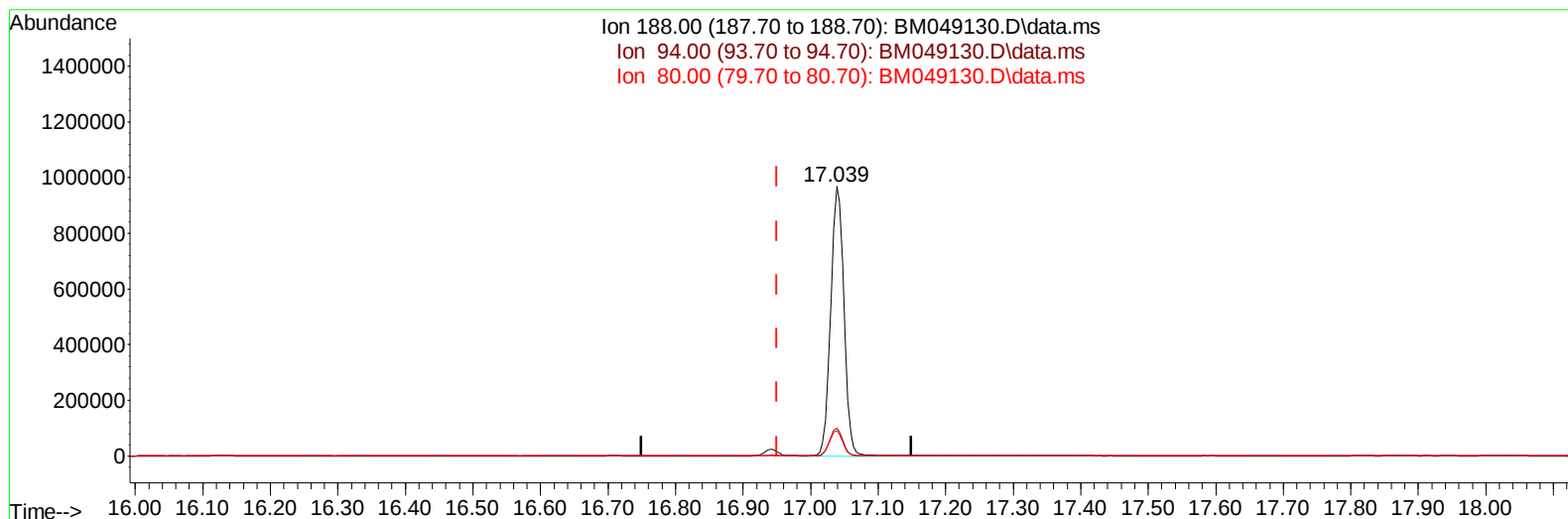
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049130.D
Acq On : 21 Dec 2024 09:38
Operator : RC/JU
Sample : P5265-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2901

Manual IntegrationsAPPROVED

Quant Time: Dec 22 23:07:04 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: BM049130.D\data.ms

(13) Phenanthrene-d10 (I)

17.039min (+ 0.089) 0.40 ng/u1

response 1326358

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	10.38
80.00	10.70	9.44
0.00	0.00	0.00

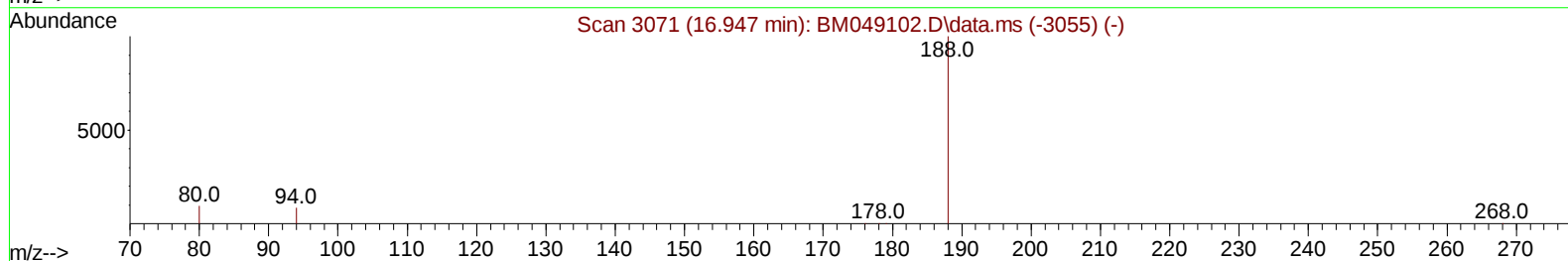
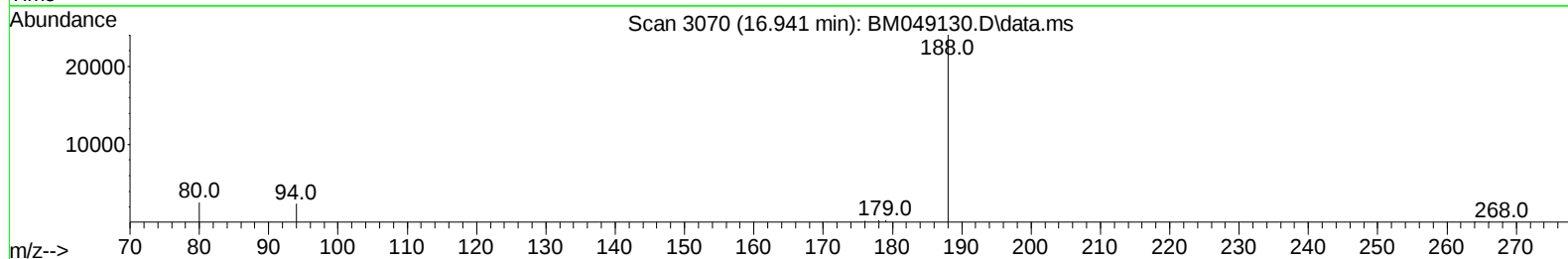
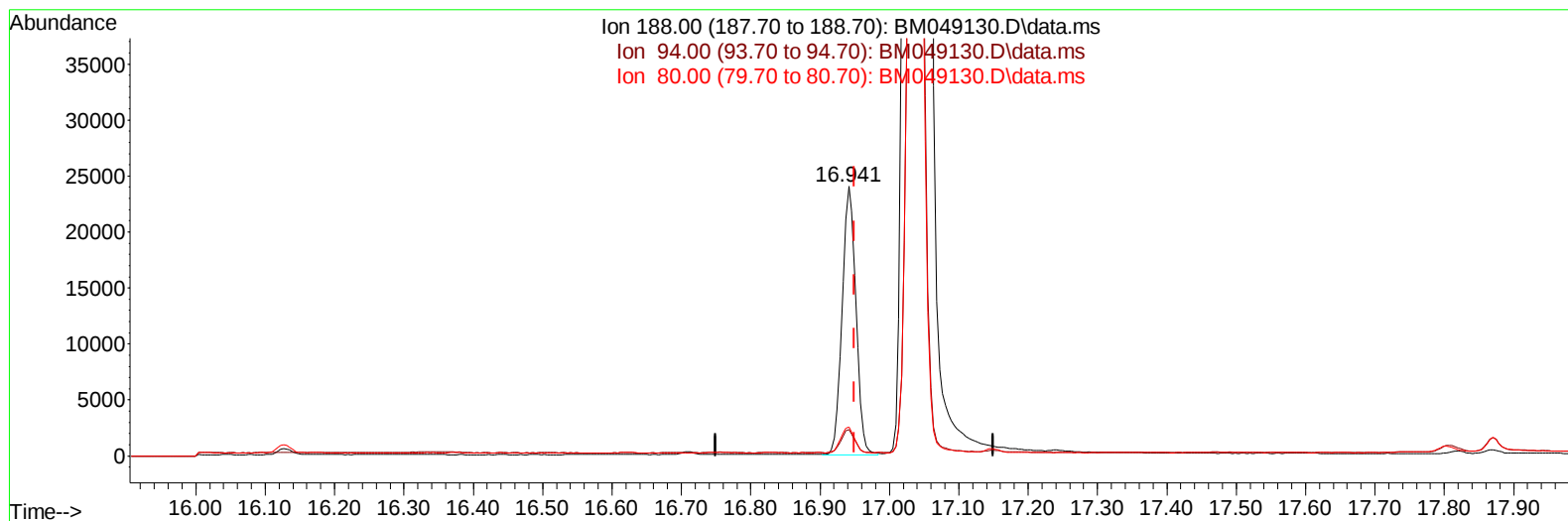
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049130.D
Acq On : 21 Dec 2024 09:38
Operator : RC/JU
Sample : P5265-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2901

Manual IntegrationsAPPROVED

Quant Time: Dec 22 23:07:04 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: BM049130.D\data.ms

(13) Phenanthrene-d10 (I)

16.941min (-0.008) 0.40 ng/ul m

response 33342

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	9.90
80.00	10.70	10.72
0.00	0.00	0.00

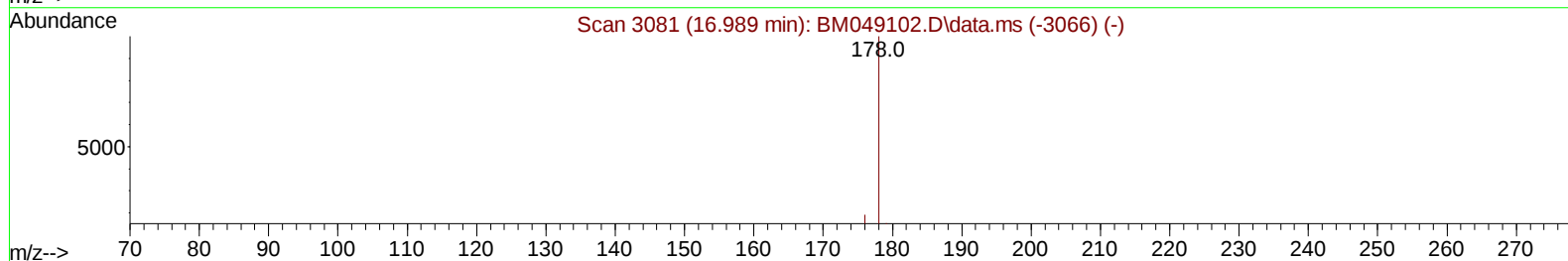
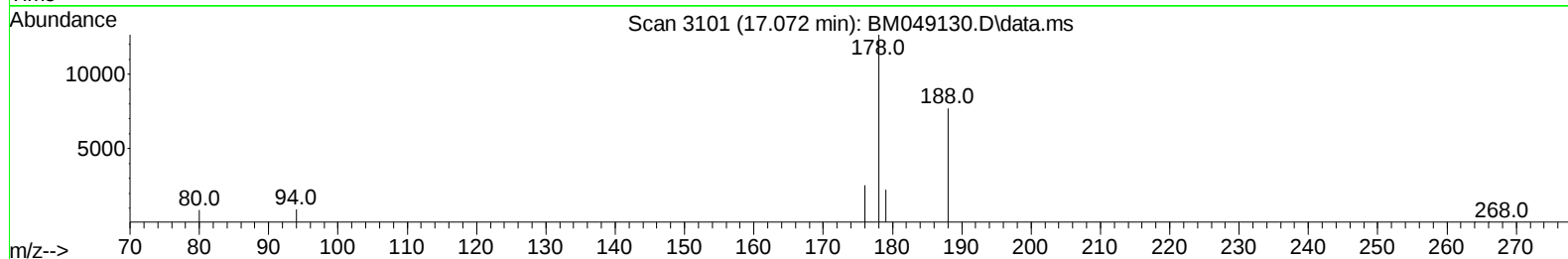
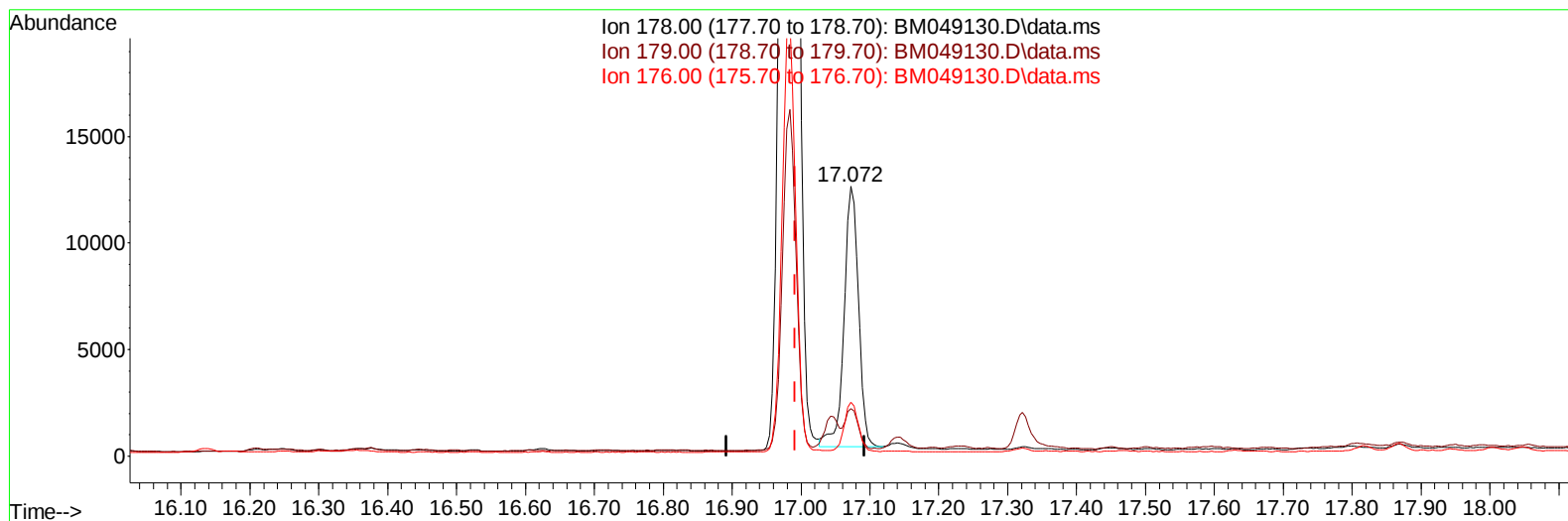
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049130.D
Acq On : 21 Dec 2024 09:38
Operator : RC/JU
Sample : P5265-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2901

Manual IntegrationsAPPROVED

Quant Time: Dec 22 23:07:04 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: BM049130.D\data.ms

(15) Phenanthrene

17.072min (+ 0.080) 0.20 ng/u1

response 17843

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	17.57
176.00	20.20	19.96
0.00	0.00	0.00

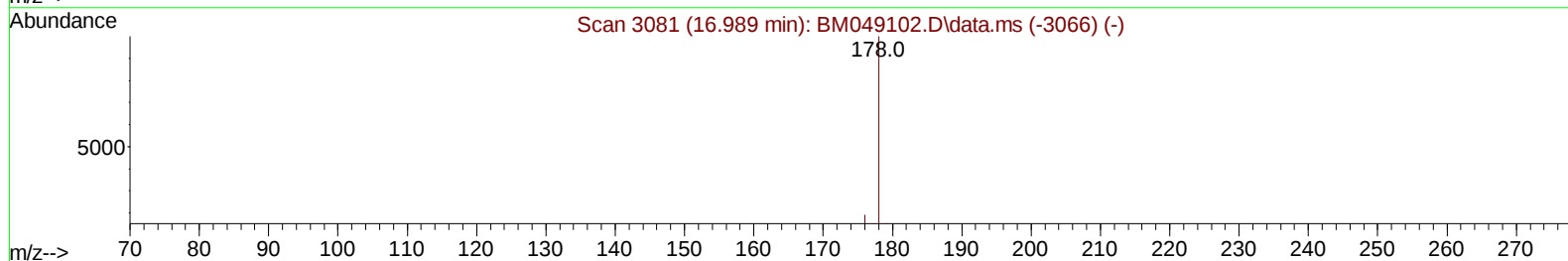
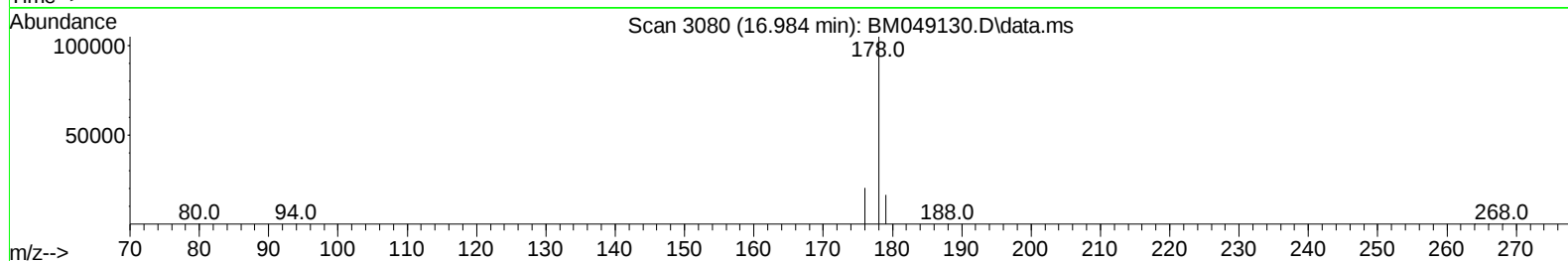
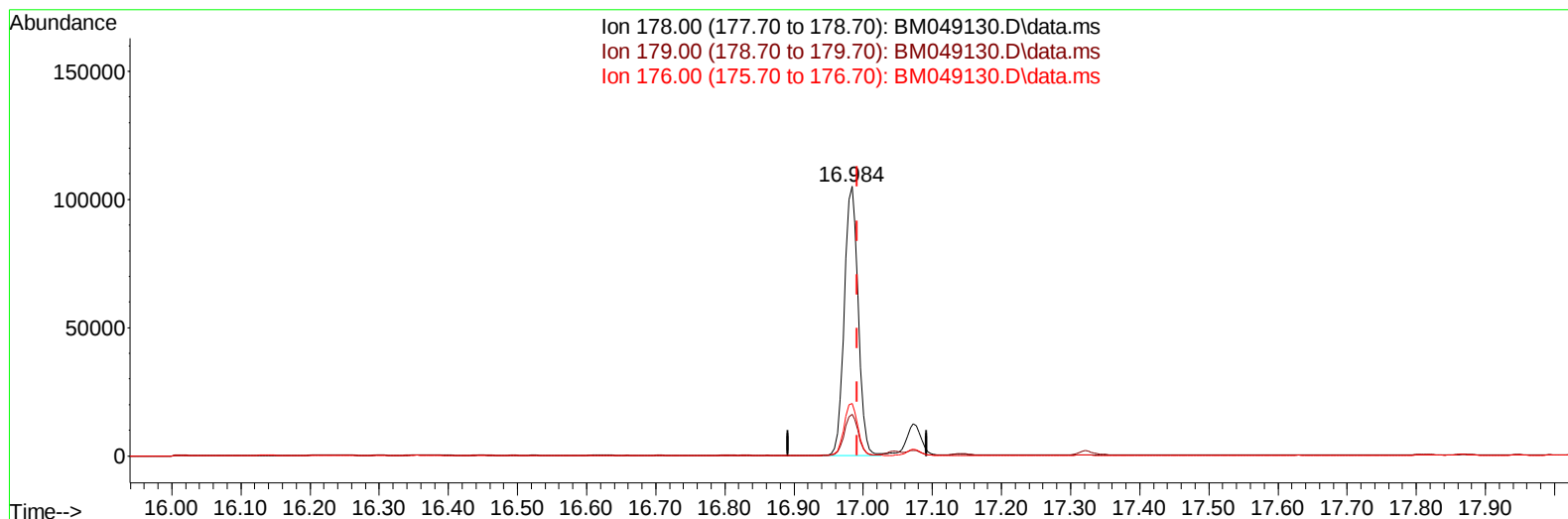
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
 Data File : BM049130.D
 Acq On : 21 Dec 2024 09:38
 Operator : RC/JU
 Sample : P5265-16
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2901

Manual IntegrationsAPPROVED

Quant Time: Dec 22 23:07:04 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: BM049130.D\data.ms

(15) Phenanthrene

16.984min (-0.008) 1.67 ng/ul m

response 145703

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	15.50
176.00	20.20	19.49
0.00	0.00	0.00

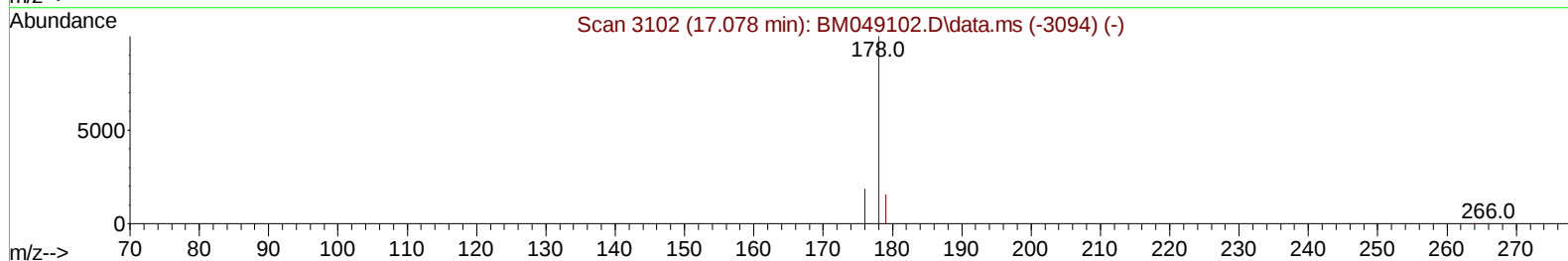
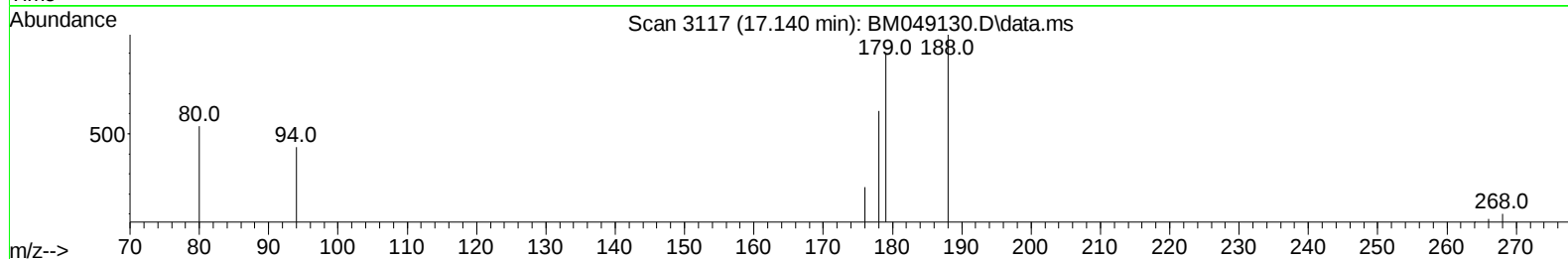
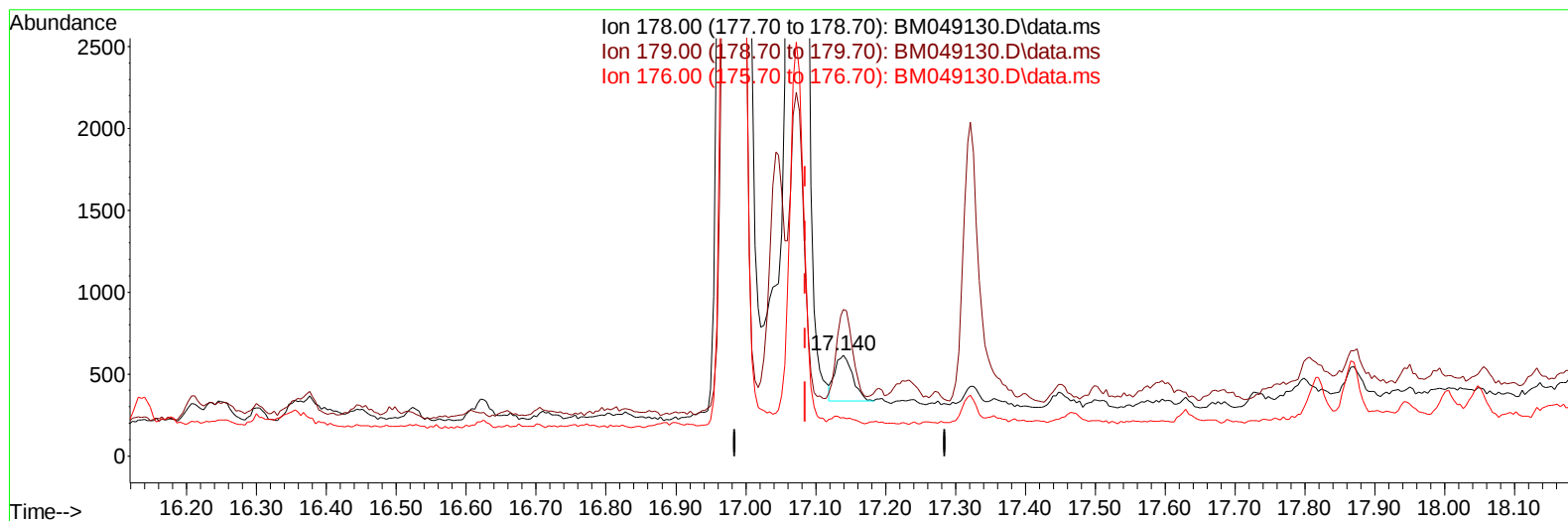
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049130.D
Acq On : 21 Dec 2024 09:38
Operator : RC/JU
Sample : P5265-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2901

Manual IntegrationsAPPROVED

Quant Time: Dec 22 23:07:04 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: BM049130.D\data.ms

(16) Anthracene

17.140min (+ 0.055) 0.01 ng/u1

response 494

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	145.93#
176.00	19.10	38.27#
0.00	0.00	0.00

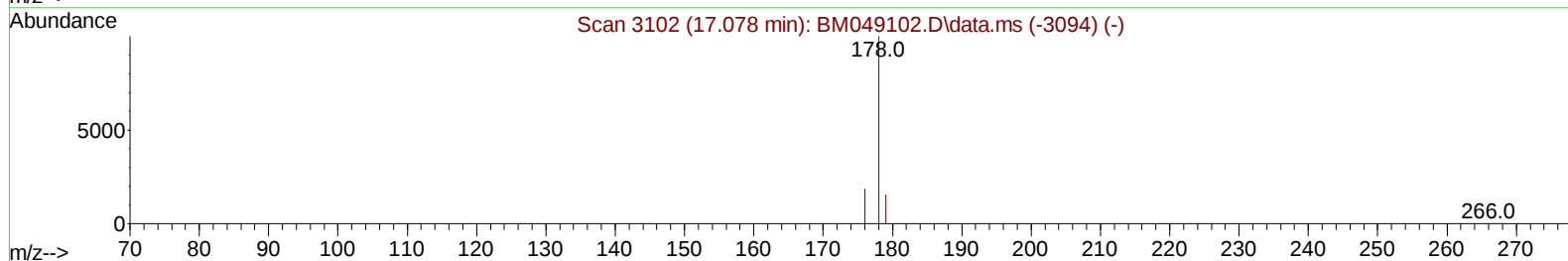
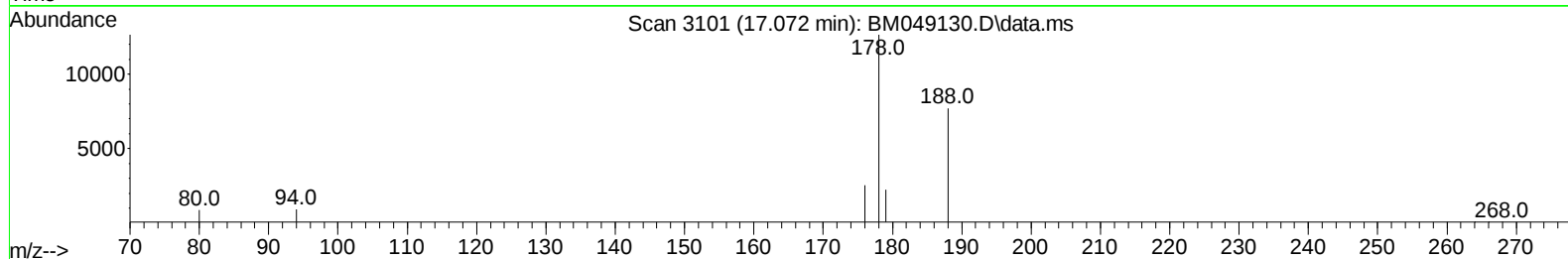
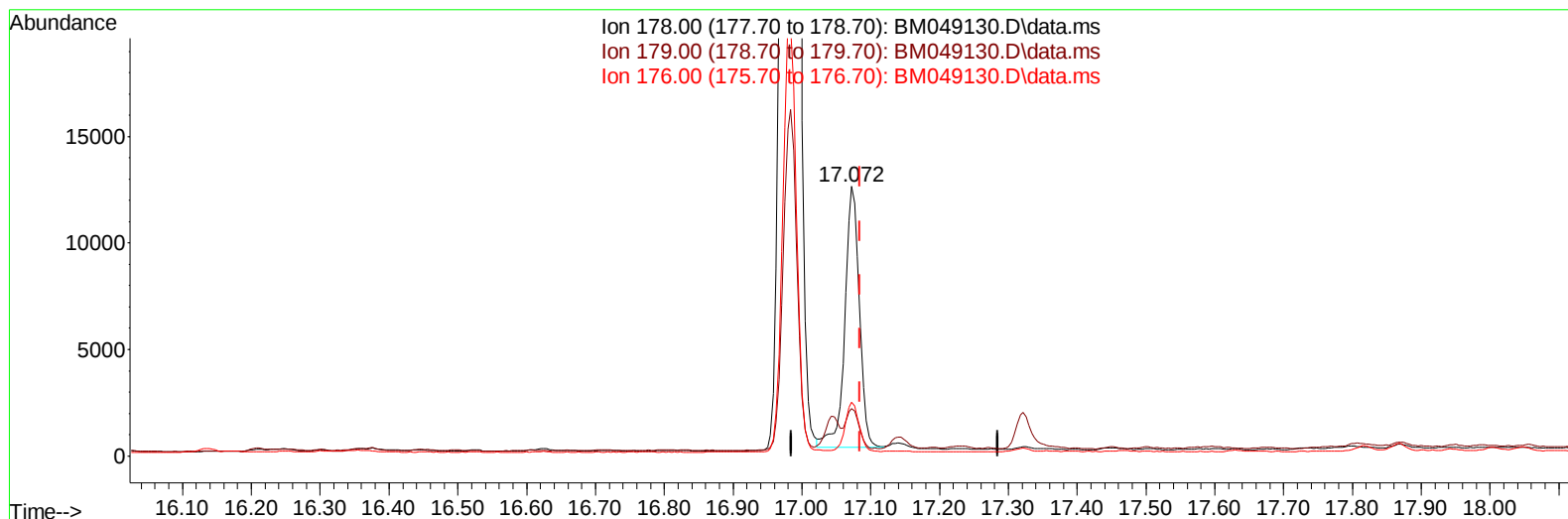
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049130.D
Acq On : 21 Dec 2024 09:38
Operator : RC/JU
Sample : P5265-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2901

Manual IntegrationsAPPROVED

Quant Time: Dec 22 23:07:04 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: BM049130.D\data.ms

(16) Anthracene

17.072min (-0.013) 0.23 ng/u1 m

response 18005

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	17.57
176.00	19.10	19.96
0.00	0.00	0.00

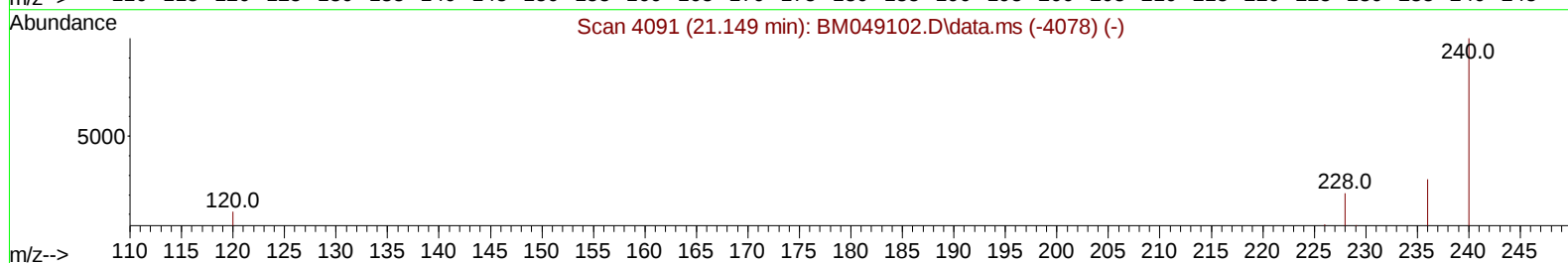
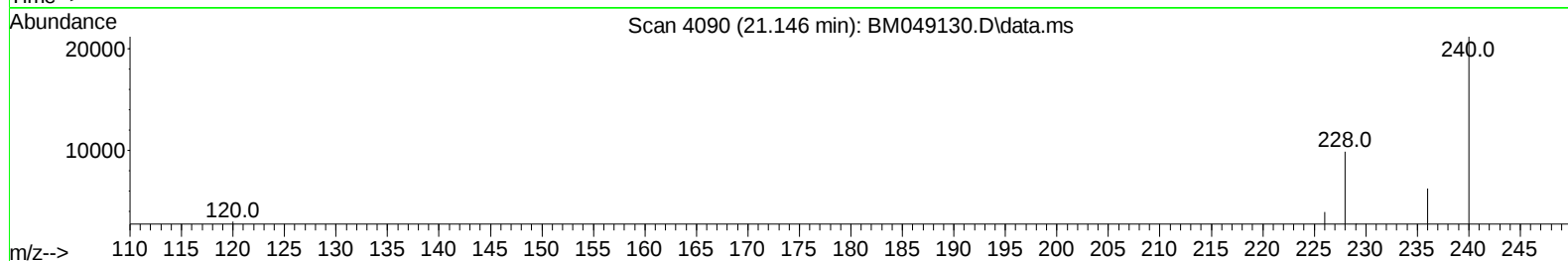
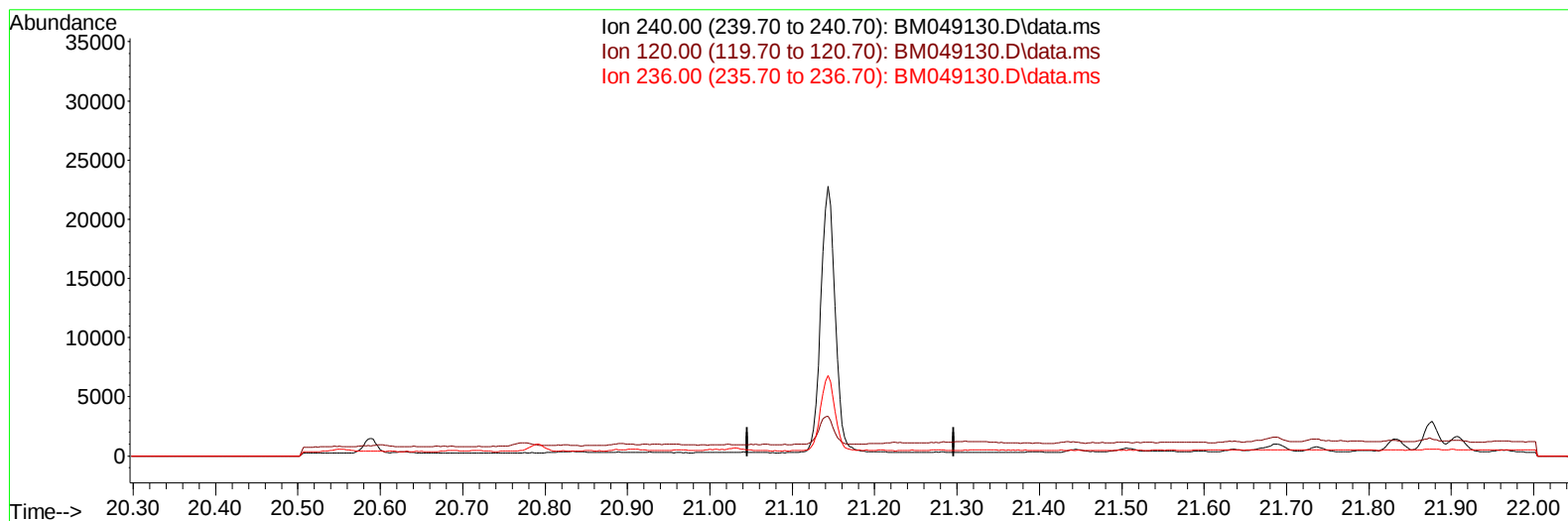
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049130.D
Acq On : 21 Dec 2024 09:38
Operator : RC/JU
Sample : P5265-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2901

Manual IntegrationsAPPROVED

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

Quant Time: Dec 22 23:07:04 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: BM049130.D\data.ms

(17) Chrysene-d12

21.146min (-21.146) 0.00 ng/u1

response 0

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

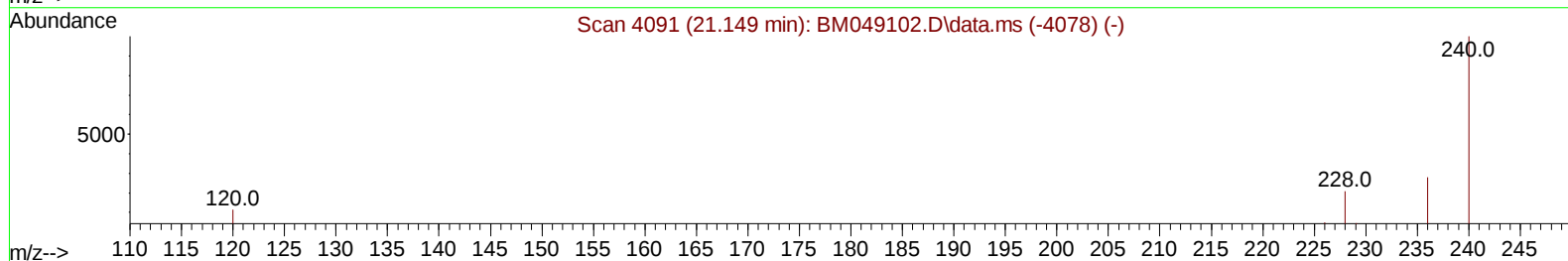
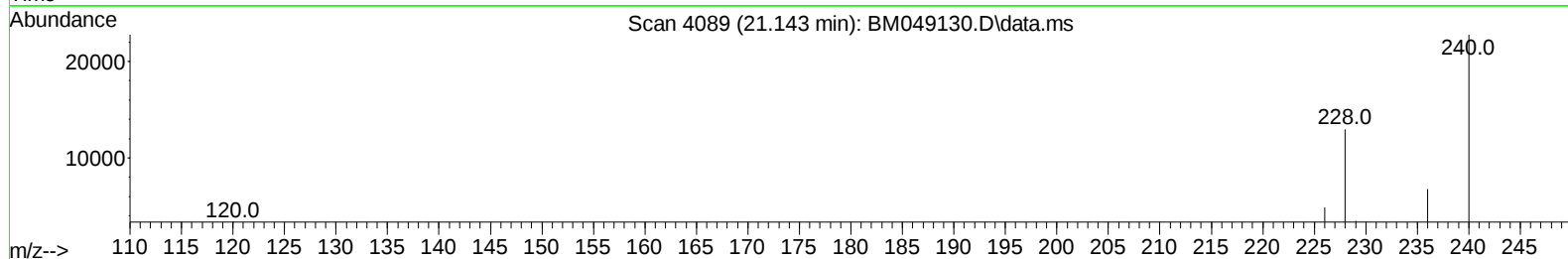
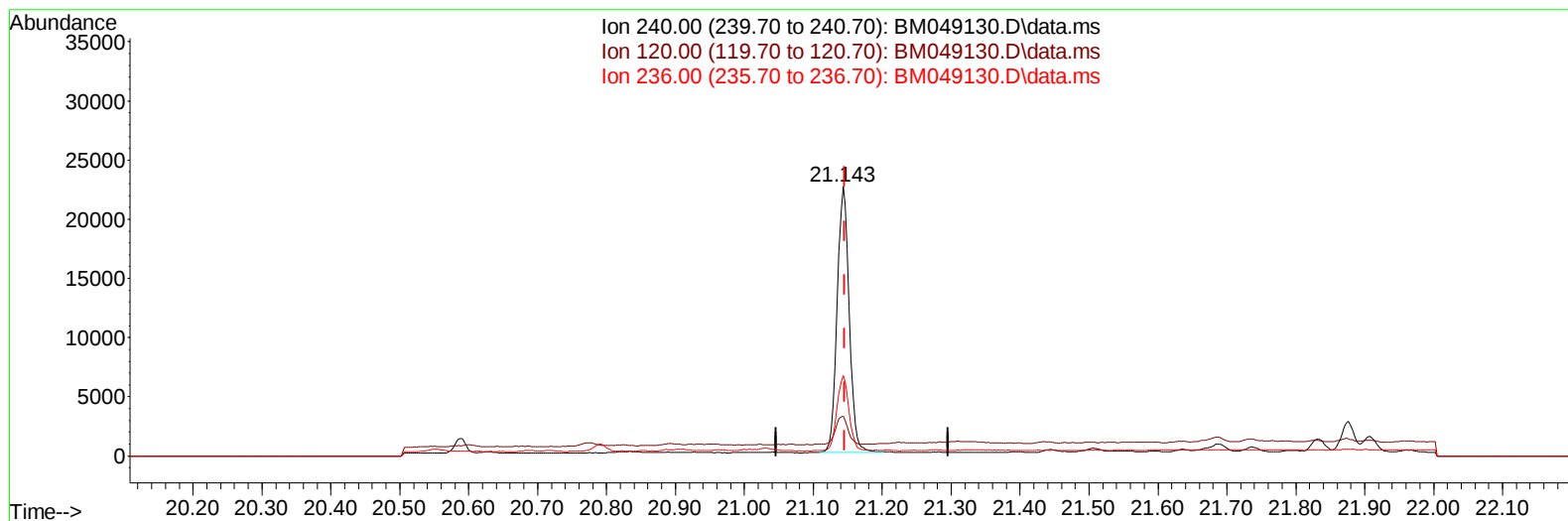
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049130.D
Acq On : 21 Dec 2024 09:38
Operator : RC/JU
Sample : P5265-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2901

Manual IntegrationsAPPROVED

Quant Time: Dec 22 23:07:04 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: BM049130.D\data.ms

(17) Chrysene-d12

21.143min (-0.003) 0.40 ng/ul m

response 27457

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	14.50	14.70
236.00	29.80	29.78
0.00	0.00	0.00

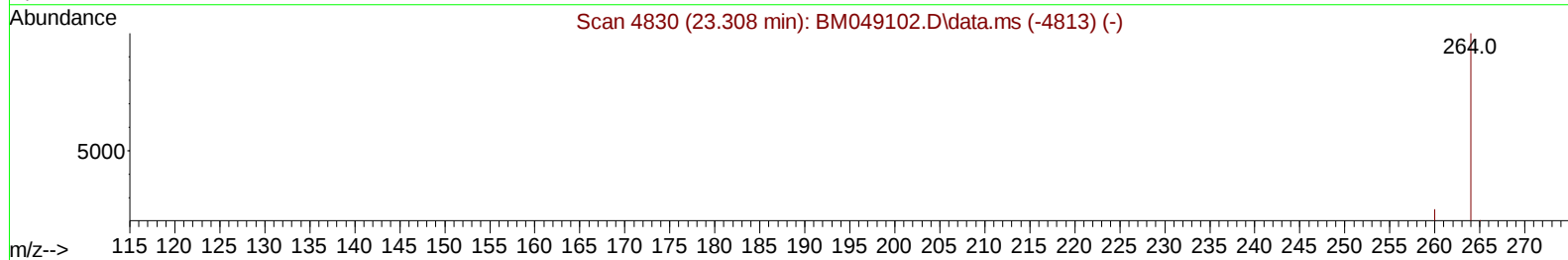
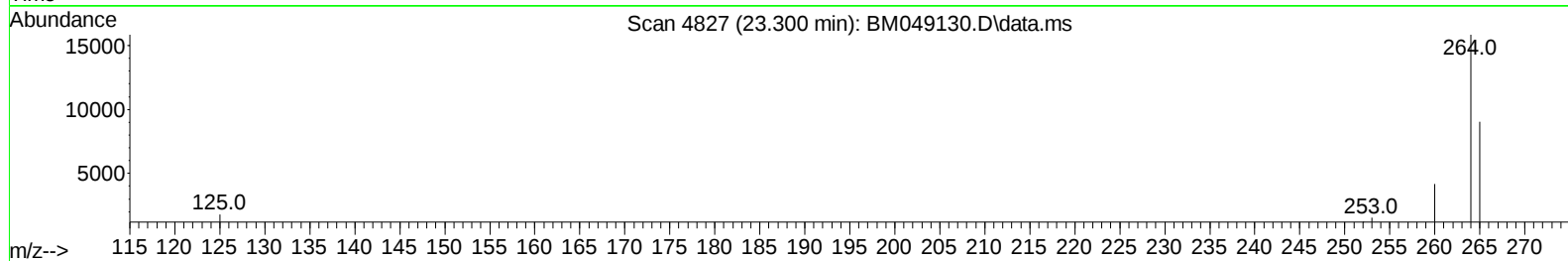
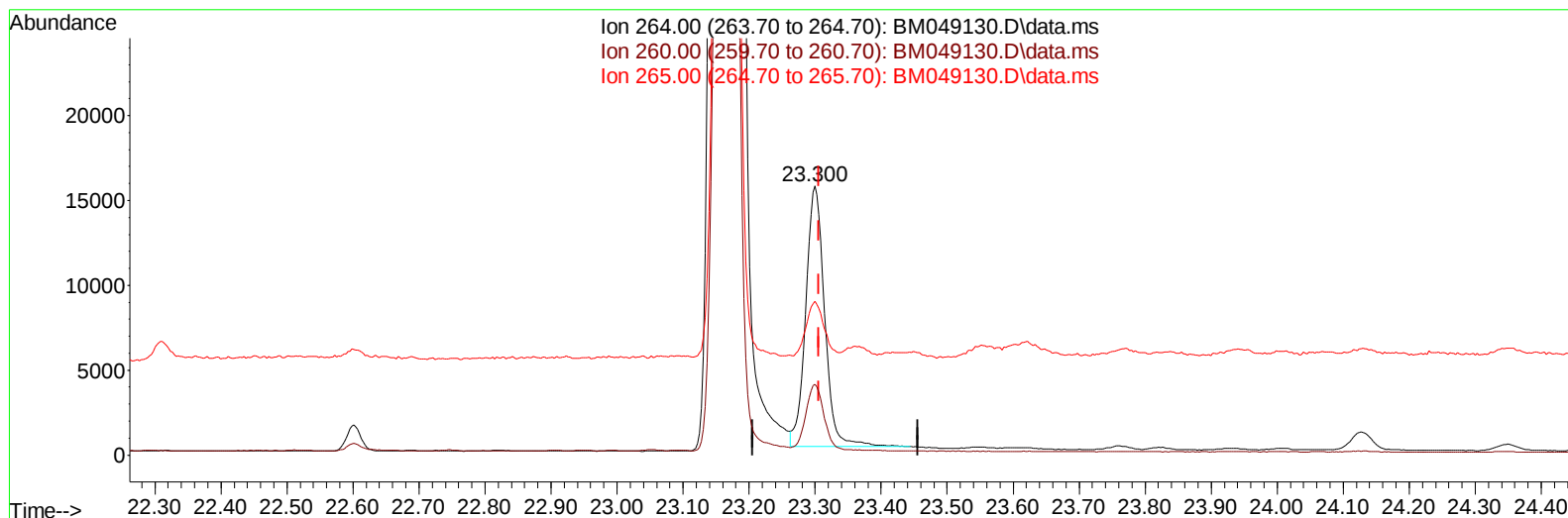
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049130.D
Acq On : 21 Dec 2024 09:38
Operator : RC/JU
Sample : P5265-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2901

Manual IntegrationsAPPROVED

Quant Time: Dec 22 23:07:04 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: BM049130.D\data.ms

(23) Perylene-d12 (I)

23.300min (-0.006) 0.40 ng/u1

response 30620

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	26.24
265.00	78.30	57.16#
0.00	0.00	0.00

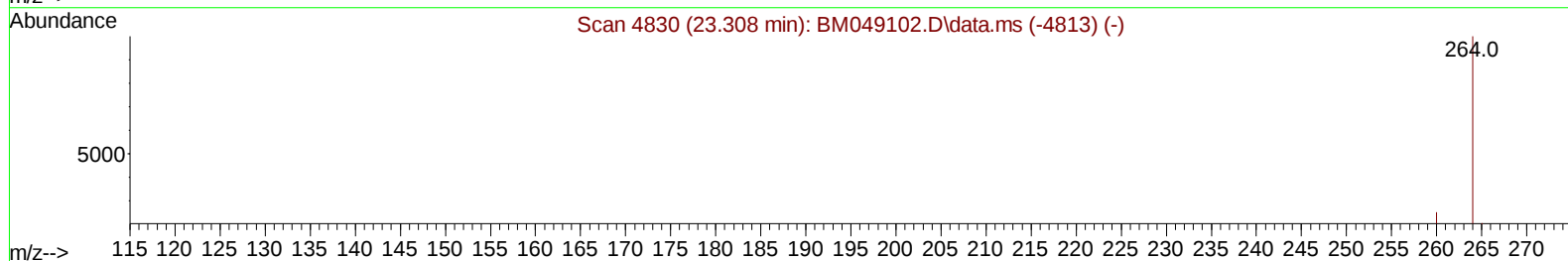
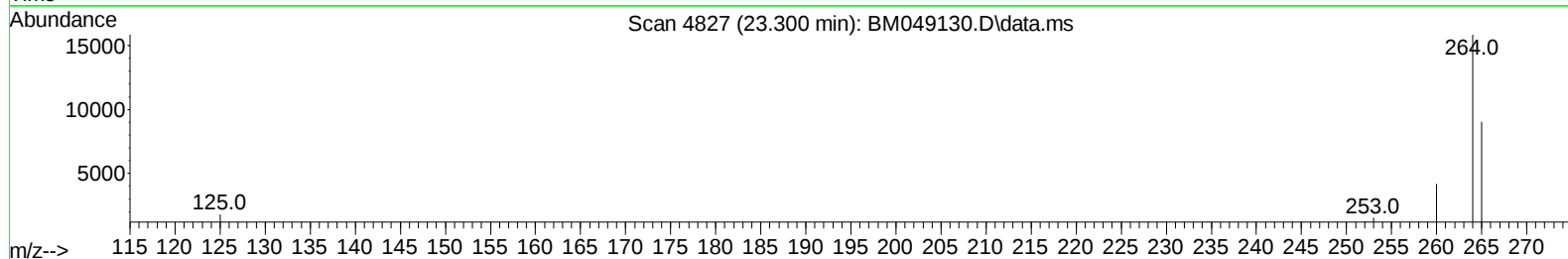
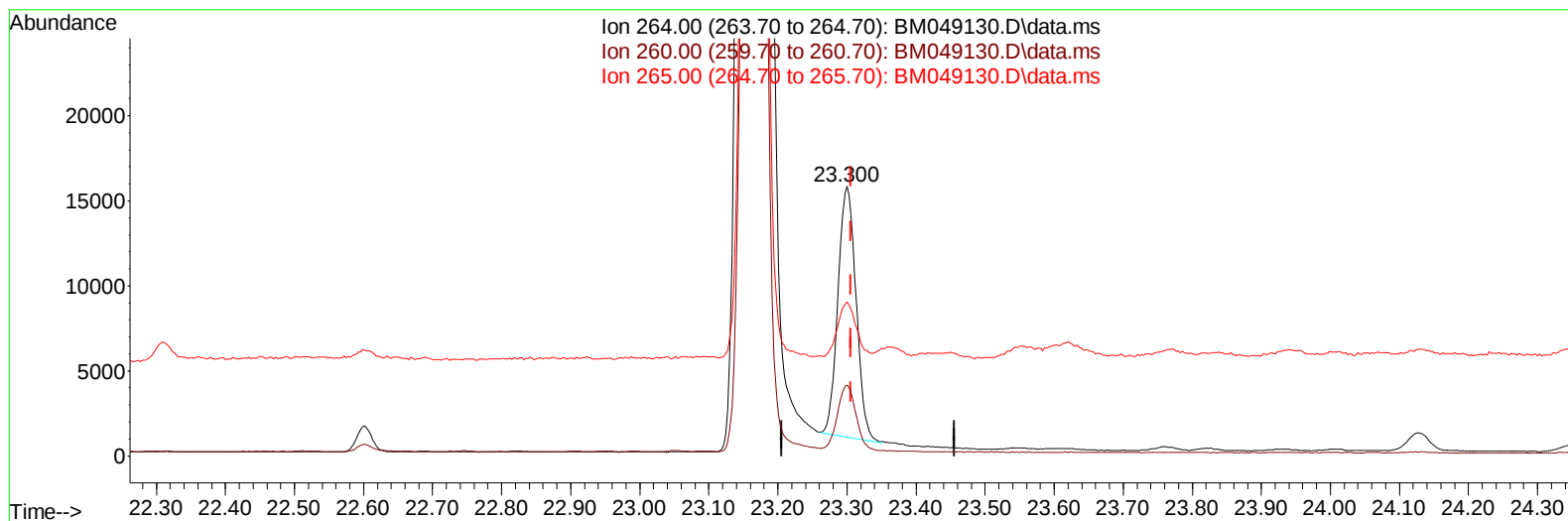
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049130.D
Acq On : 21 Dec 2024 09:38
Operator : RC/JU
Sample : P5265-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2901

Manual IntegrationsAPPROVED

Quant Time: Dec 22 23:07:04 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: BM049130.D\data.ms

(23) Perylene-d12 (I)

23.300min (-0.006) 0.40 ng/ul m

response 26910

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	26.24
265.00	78.30	57.16#
0.00	0.00	0.00

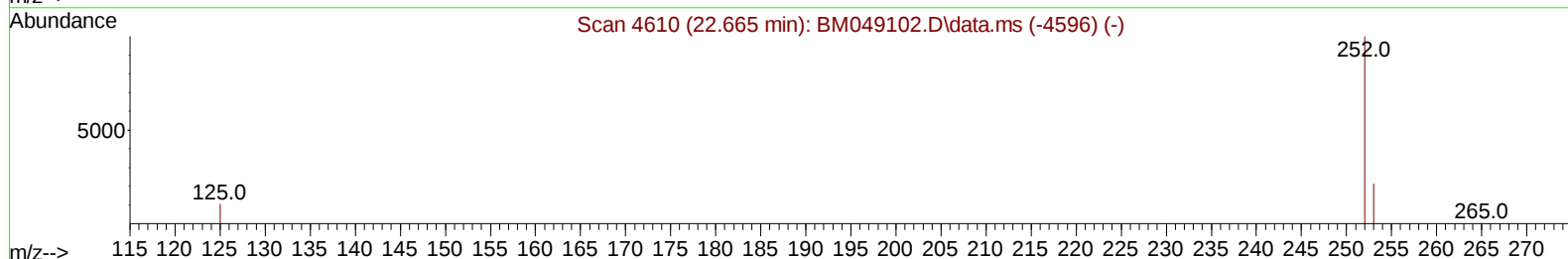
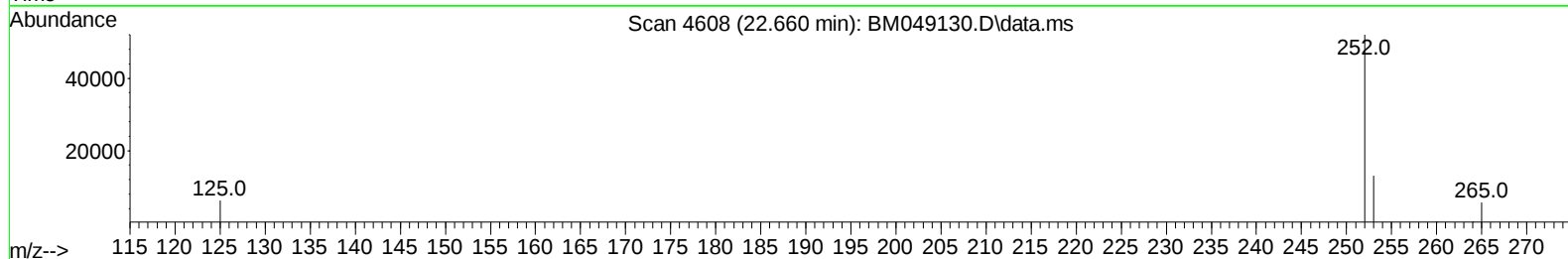
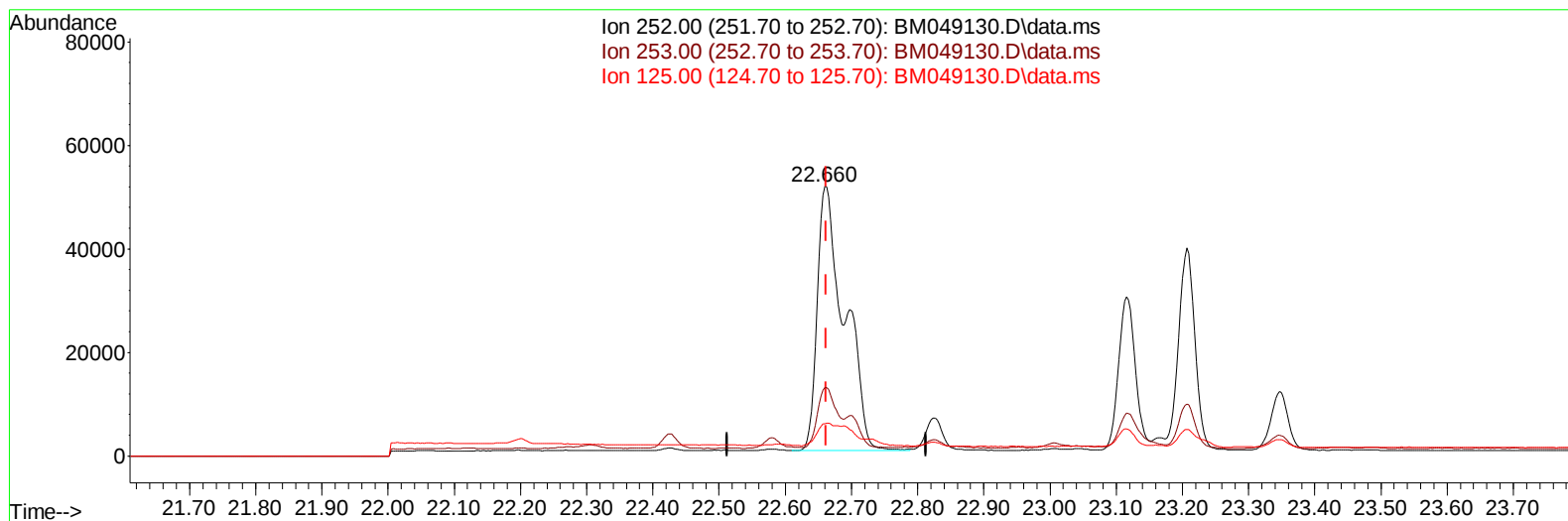
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049130.D
Acq On : 21 Dec 2024 09:38
Operator : RC/JU
Sample : P5265-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2901

Manual IntegrationsAPPROVED

Quant Time: Dec 22 23:07:04 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: BM049130.D\data.ms

(24) Benzo(b)fluoranthene

22.660min (-0.003) 1.71 ng/u1

response 146790

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	25.25
125.00	15.40	12.02
0.00	0.00	0.00

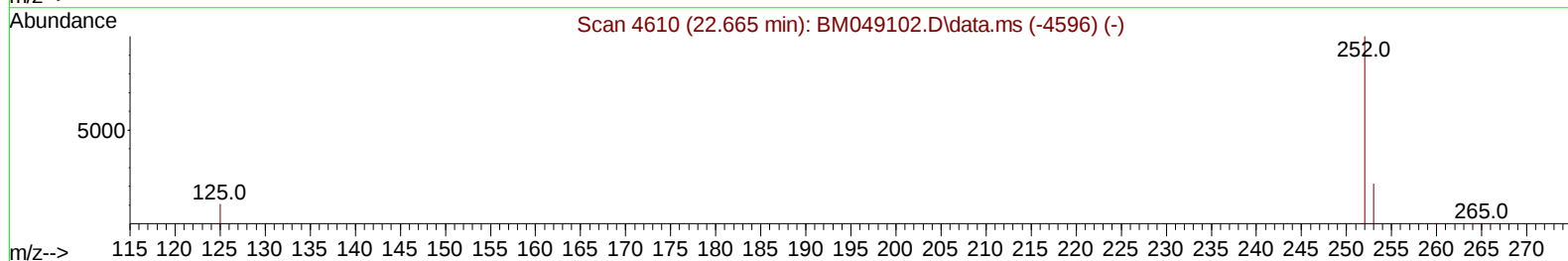
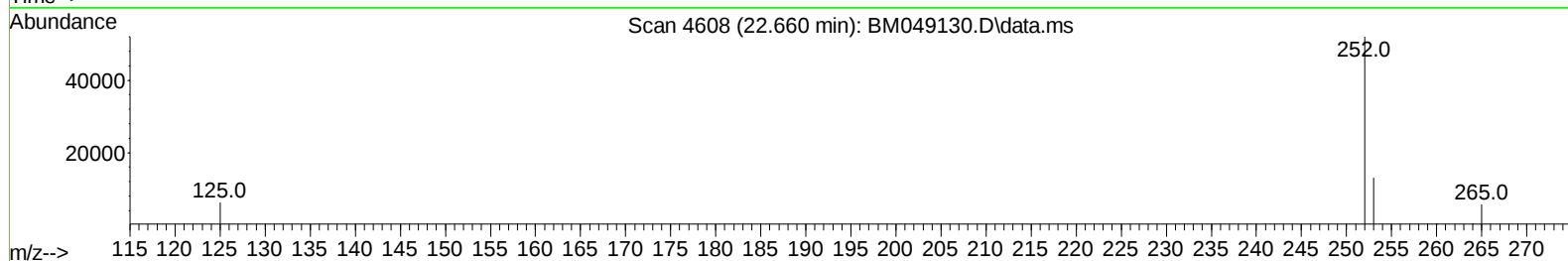
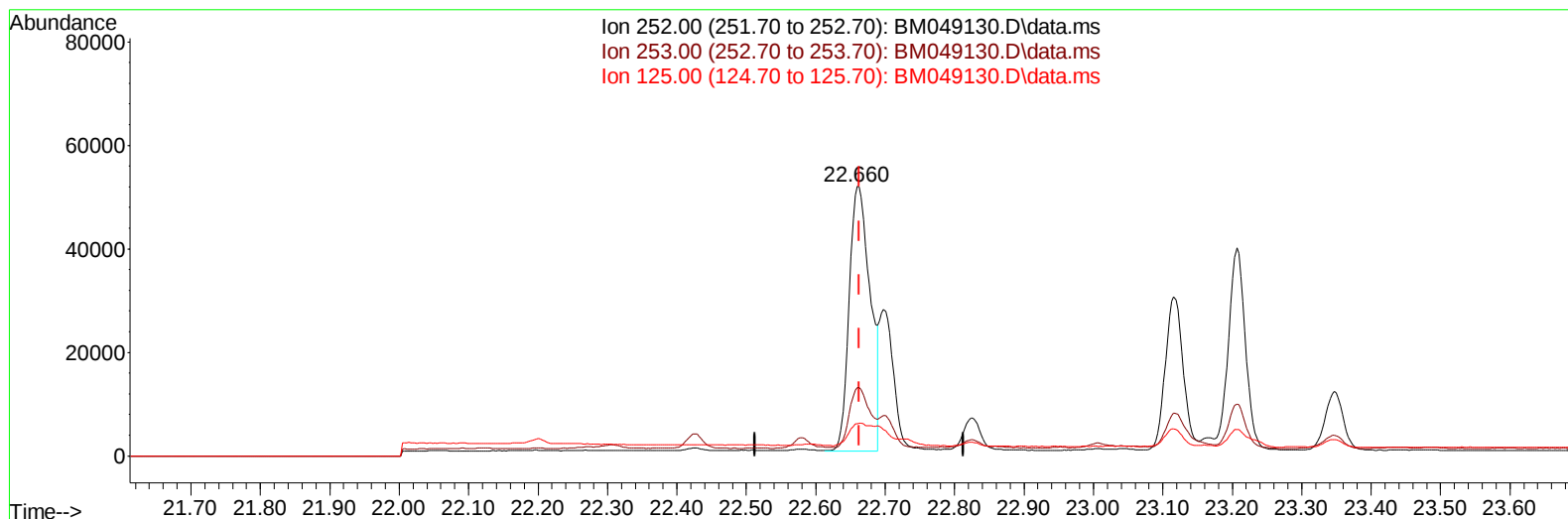
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049130.D
Acq On : 21 Dec 2024 09:38
Operator : RC/JU
Sample : P5265-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2901

Manual IntegrationsAPPROVED

Quant Time: Dec 22 23:07:04 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: BM049130.D\data.ms

(24) Benzo(b)fluoranthene

22.660min (-0.003) 1.26 ng/u1 m

response 108079

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	25.25
125.00	15.40	12.02
0.00	0.00	0.00

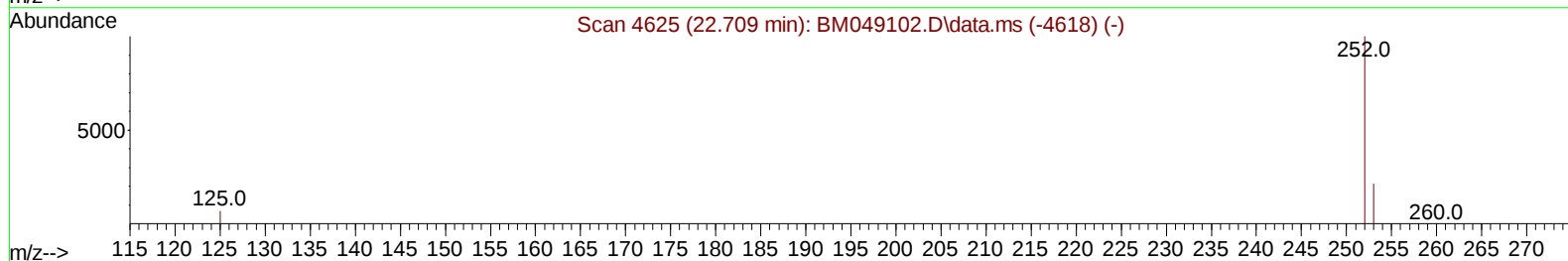
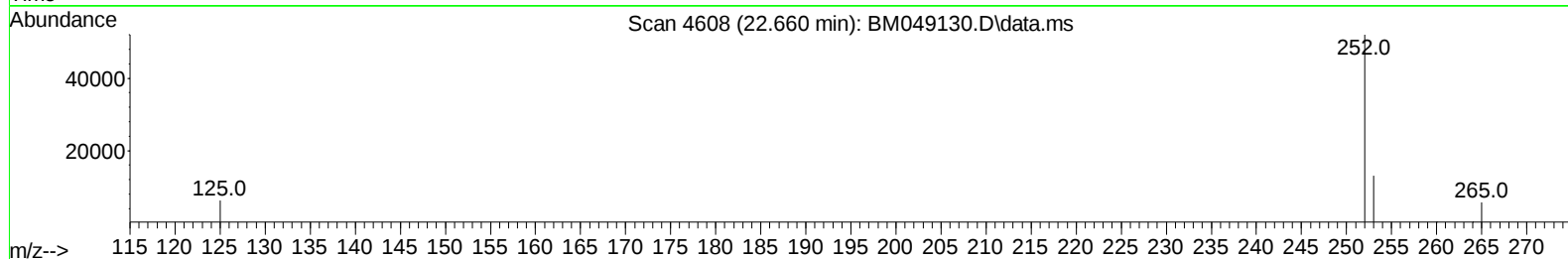
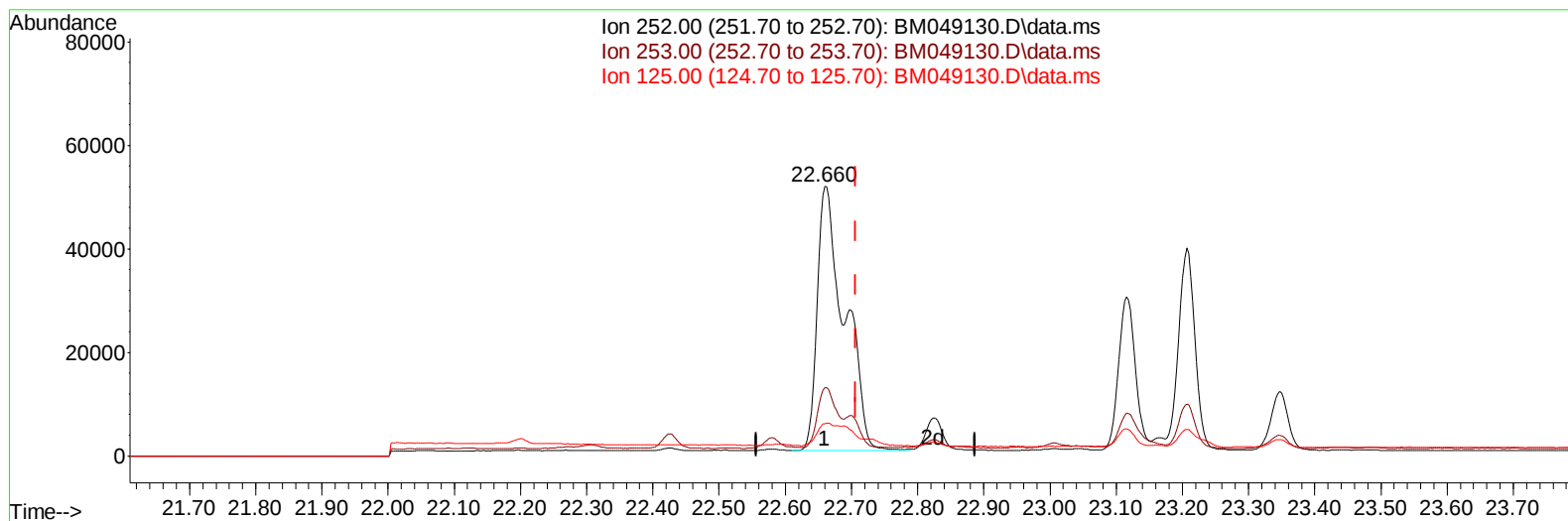
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049130.D
Acq On : 21 Dec 2024 09:38
Operator : RC/JU
Sample : P5265-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2901

Manual IntegrationsAPPROVED

Quant Time: Dec 22 23:07:04 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: BM049130.D\data.ms

(25) Benzo(k)fluoranthene

22.660min (-0.047) 1.56 ng/u1

response 146790

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	25.25
125.00	15.70	12.02#
0.00	0.00	0.00

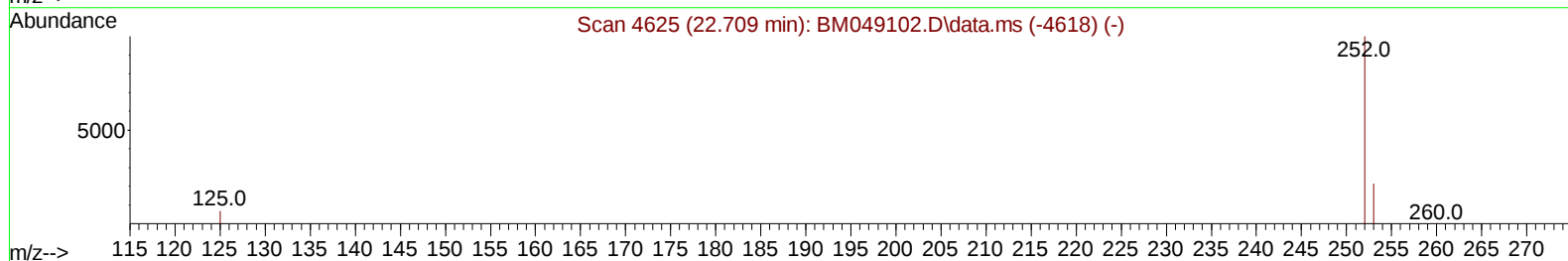
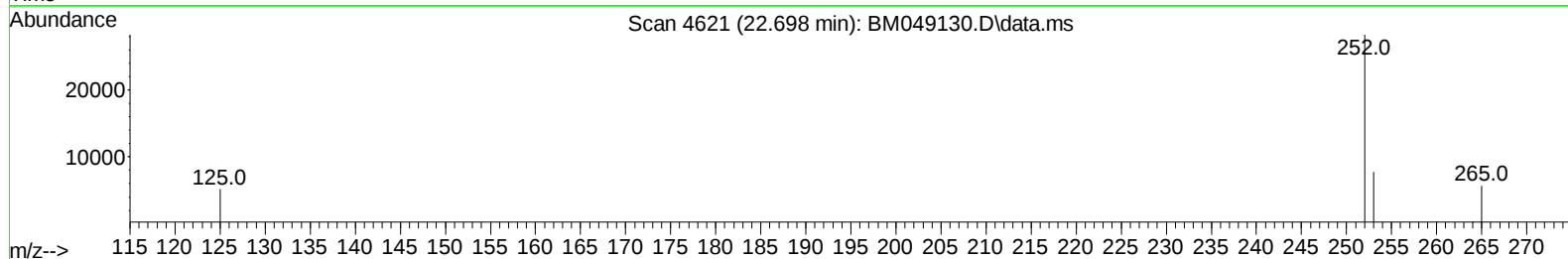
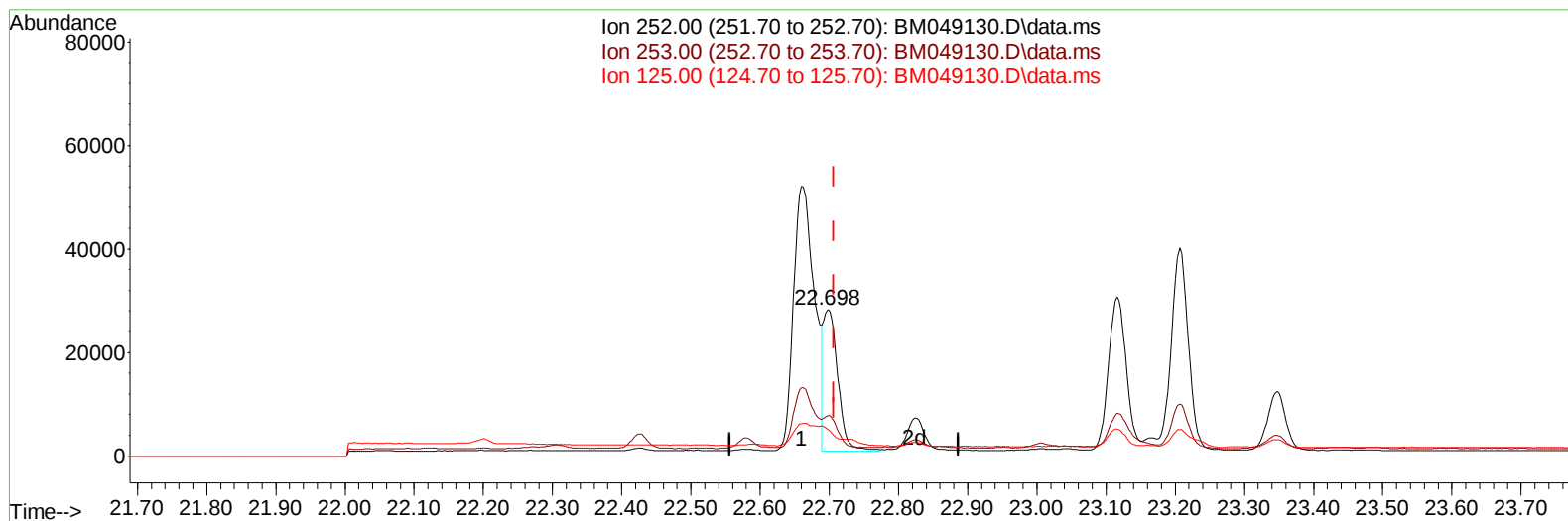
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049130.D
Acq On : 21 Dec 2024 09:38
Operator : RC/JU
Sample : P5265-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2901

Manual IntegrationsAPPROVED

Quant Time: Dec 22 23:07:04 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: BM049130.D\data.ms

(25) Benzo(k)fluoranthene

22.698min (-0.009) 0.42 ng/u1 m

response 39488

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	27.53
125.00	15.70	18.23
0.00	0.00	0.00

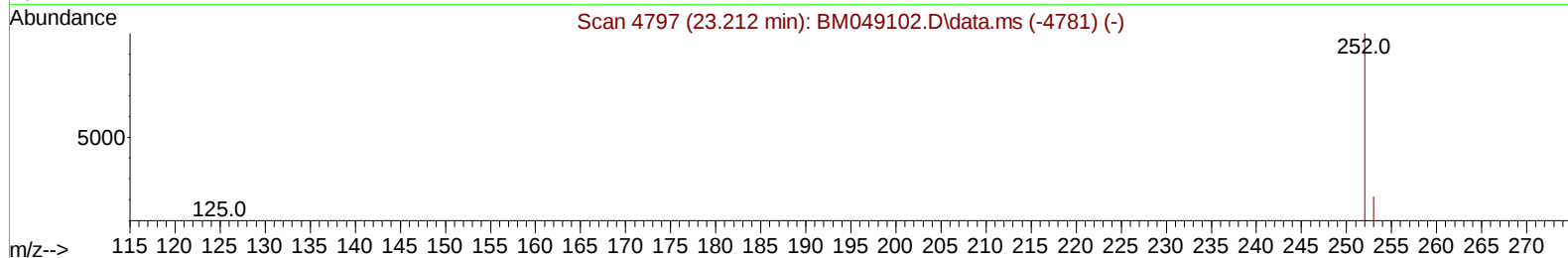
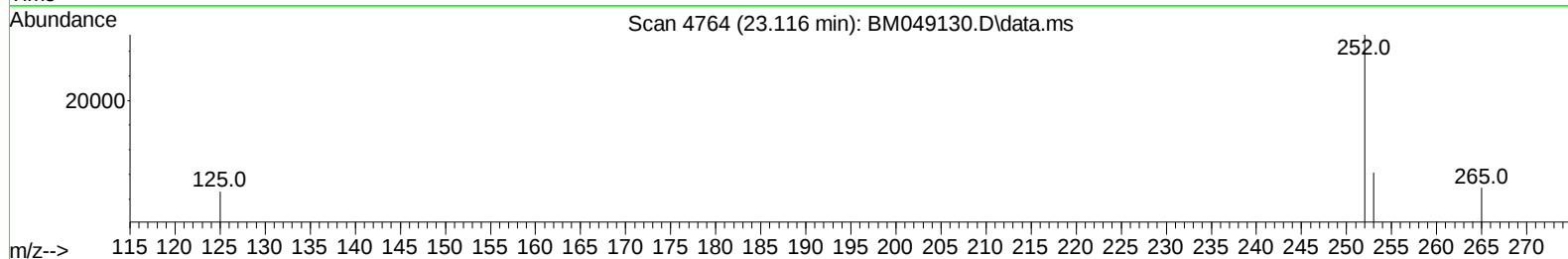
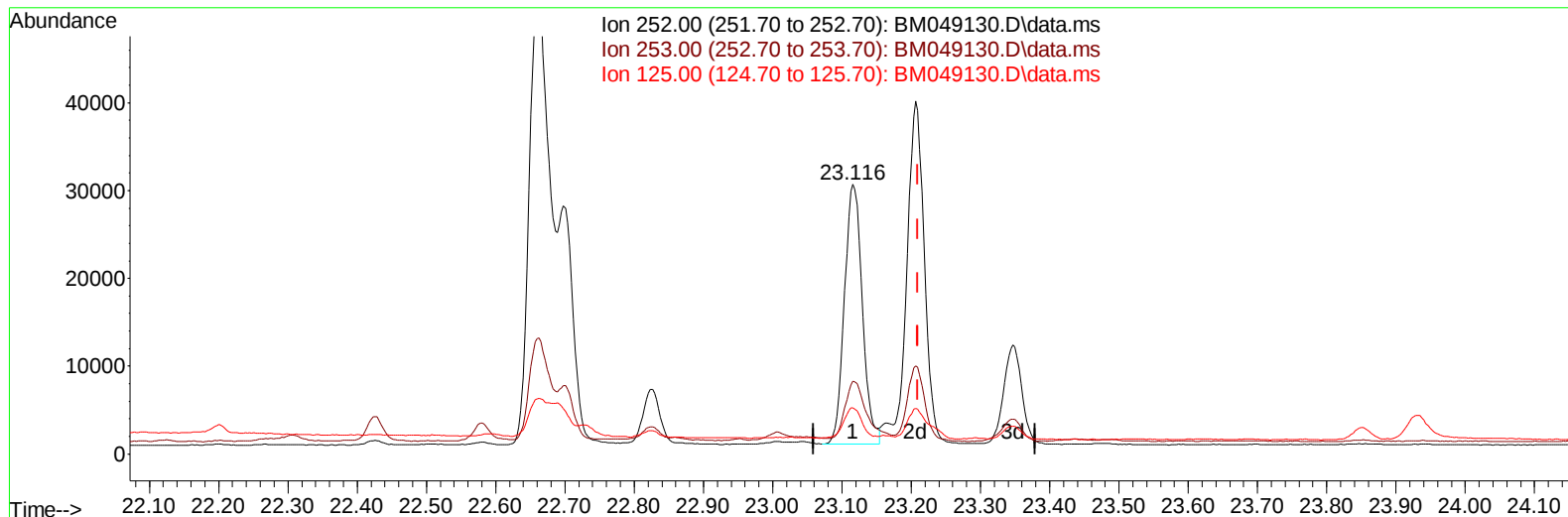
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049130.D
Acq On : 21 Dec 2024 09:38
Operator : RC/JU
Sample : P5265-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2901

Manual IntegrationsAPPROVED

Quant Time: Dec 22 23:07:04 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: BM049130.D\data.ms

(26) Benzo(a)pyrene (C)

23.116min (-0.094) 0.65 ng/u1

response 53346

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.00	26.94
125.00	18.50	17.10
0.00	0.00	0.00

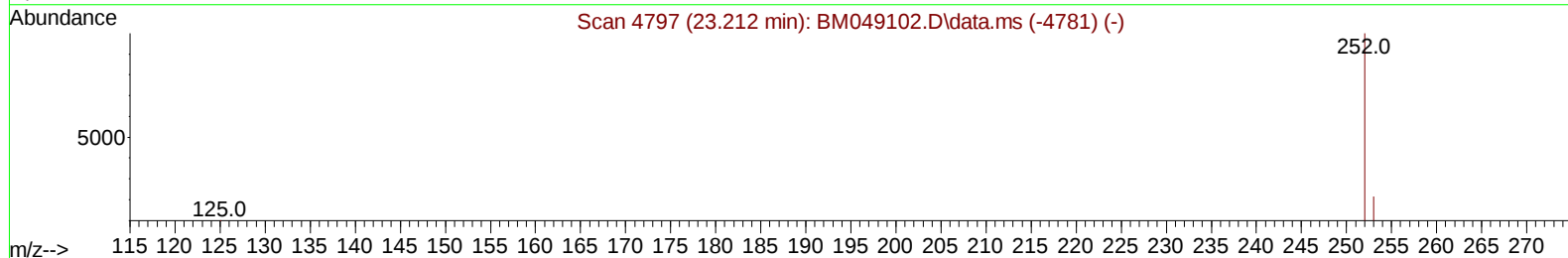
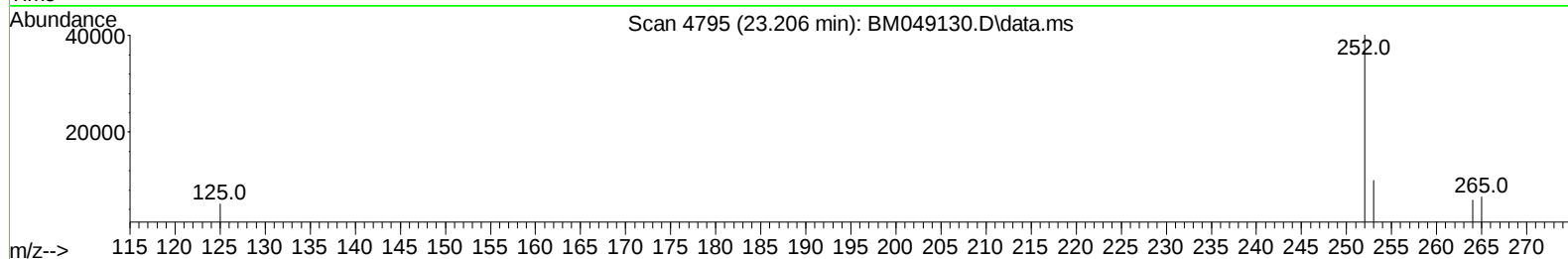
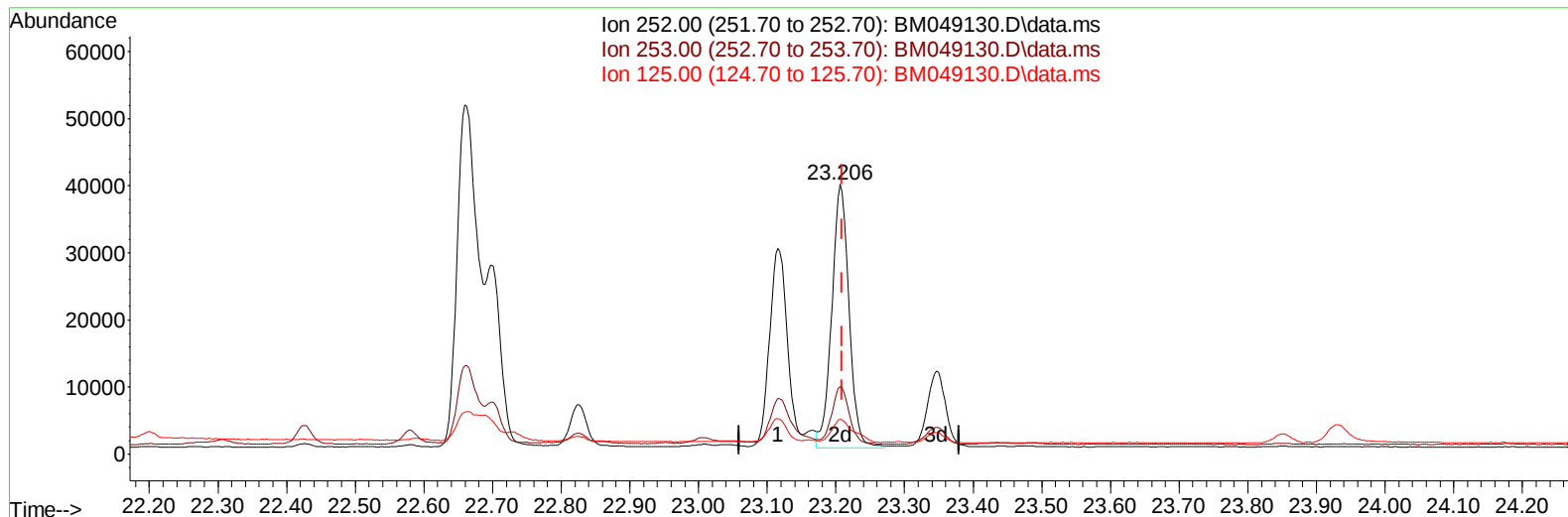
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049130.D
Acq On : 21 Dec 2024 09:38
Operator : RC/JU
Sample : P5265-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2901

Manual IntegrationsAPPROVED

Quant Time: Dec 22 23:07:04 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: BM049130.D\data.ms

(26) Benzo(a)pyrene (C)

23.206min (-0.003) 0.83 ng/u1 m

response 68544

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.00	24.99
125.00	18.50	12.82#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
 Data File : BM049130.D
 Acq On : 21 Dec 2024 09:38
 Operator : RC/JU
 Sample : P5265-16
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2901

Manual IntegrationsAPPROVED

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

Quant Time: Dec 22 23:07:04 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	8487	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.319	136	26860	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.195	164	15178	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.941	188	33342m	0.400	ng/ul	0.00
17) Chrysene-d12	21.143	240	27457m	0.400	ng/ul	0.00
23) Perylene-d12	23.300	264	26910m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.151	96	38295	3.912	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.919	152	8317	0.230	ng/ul	0.00
18) Fluoranthene-d10	18.977	212	15847	0.203	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.369	128	6358	0.095	ng/ul#	94
7) 2-Methylnaphthalene	11.991	142	2895	0.068	ng/ul	98
8) 1-Methylnaphthalene	12.211	142	2739	0.063	ng/ul	99
10) Acenaphthylene	13.909	152	2143	0.034	ng/ul#	73
11) Acenaphthene	14.256	153	2944	0.064	ng/ul	97
12) Fluorene	15.246	166	2478	0.048	ng/ul#	93
15) Phenanthrene	16.984	178	145703m	1.673	ng/ul	
16) Anthracene	17.072	178	18005m	0.225	ng/ul	
19) Fluoranthene	19.005	202	254089	2.559	ng/ul	99
20) Pyrene	19.373	202	200681	1.896	ng/ul	98
21) Benzo(a)anthracene	21.129	228	86769	0.908	ng/ul	99
22) Chrysene	21.178	228	88198	0.860	ng/ul	97
24) Benzo(b)fluoranthene	22.660	252	108079m	1.257	ng/ul	
25) Benzo(k)fluoranthene	22.698	252	39488m	0.419	ng/ul	
26) Benzo(a)pyrene	23.206	252	68544m	0.831	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.437	276	54993	0.471	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.447	278	11602	0.128	ng/ul#	83
29) Benzo(g,h,i)perylene	26.091	276	59639	0.636	ng/ul	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049130.D
Acq On : 21 Dec 2024 09:38
Operator : RC/JU
Sample : P5265-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2901

Manual IntegrationsAPPROVED

Quant Time: Dec 22 23:07:04 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

