

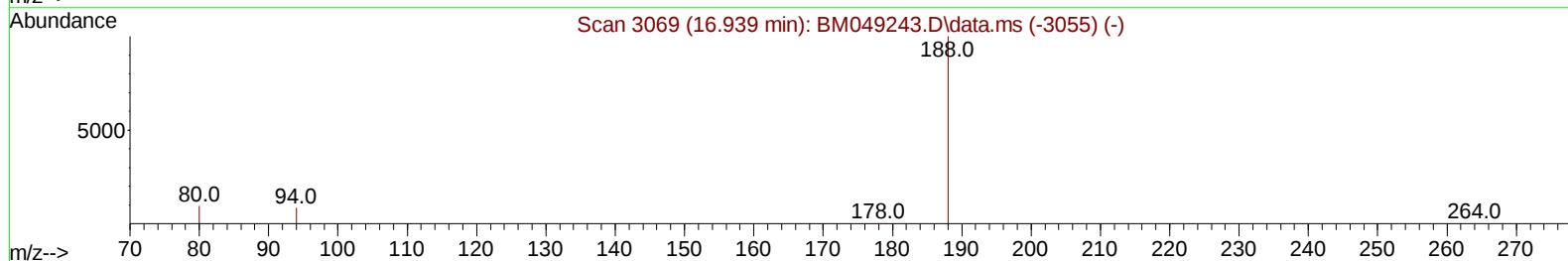
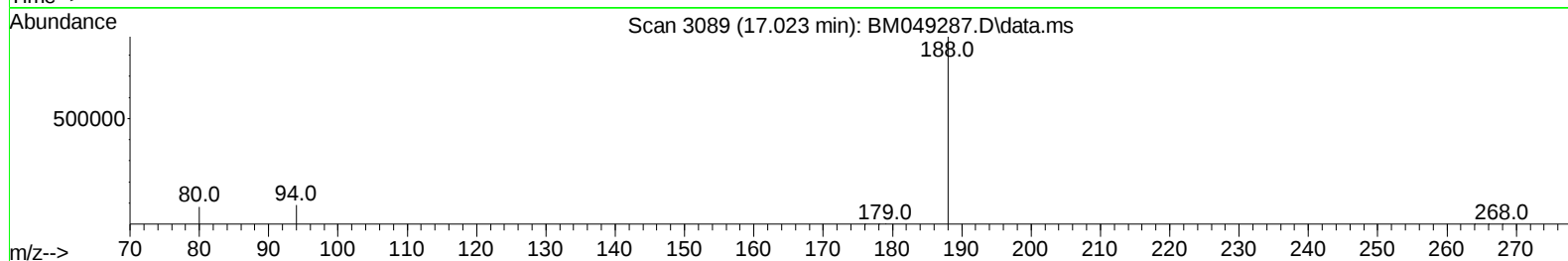
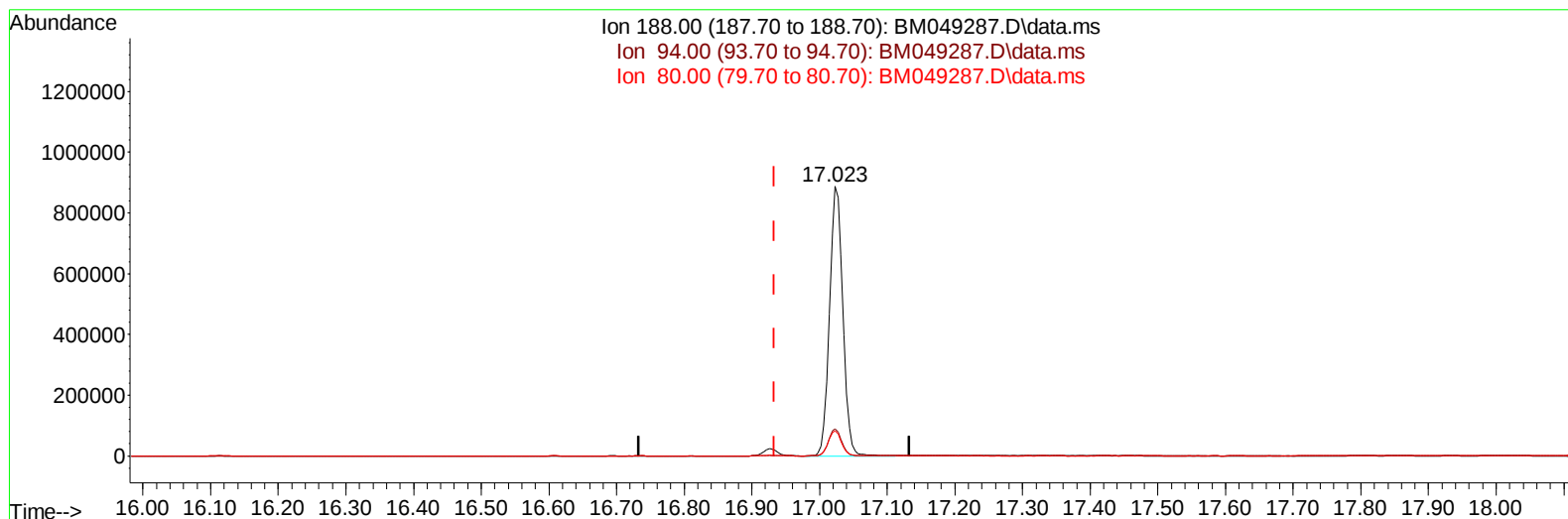
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049287.D
Acq On : 28 Dec 2024 11:33
Operator : RC/JU
Sample : P5351-03
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2925

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:52 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 : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049287.D\data.ms

(13) Phenanthrene-d10 (I)

17.023min (+ 0.090) 0.40 ng/u1

response 1207844

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	10.11
80.00	10.70	9.32
0.00	0.00	0.00

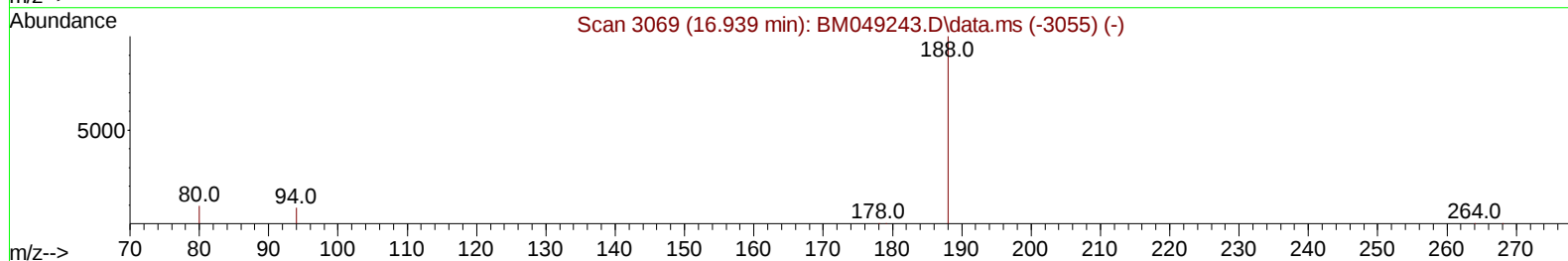
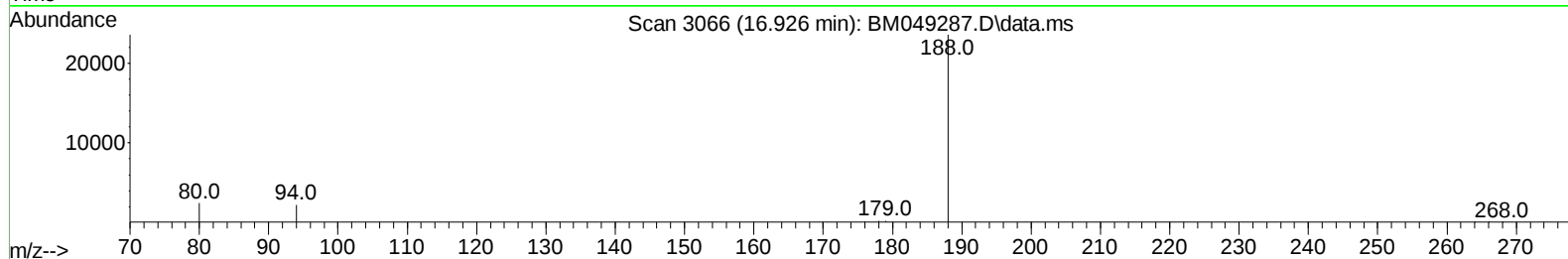
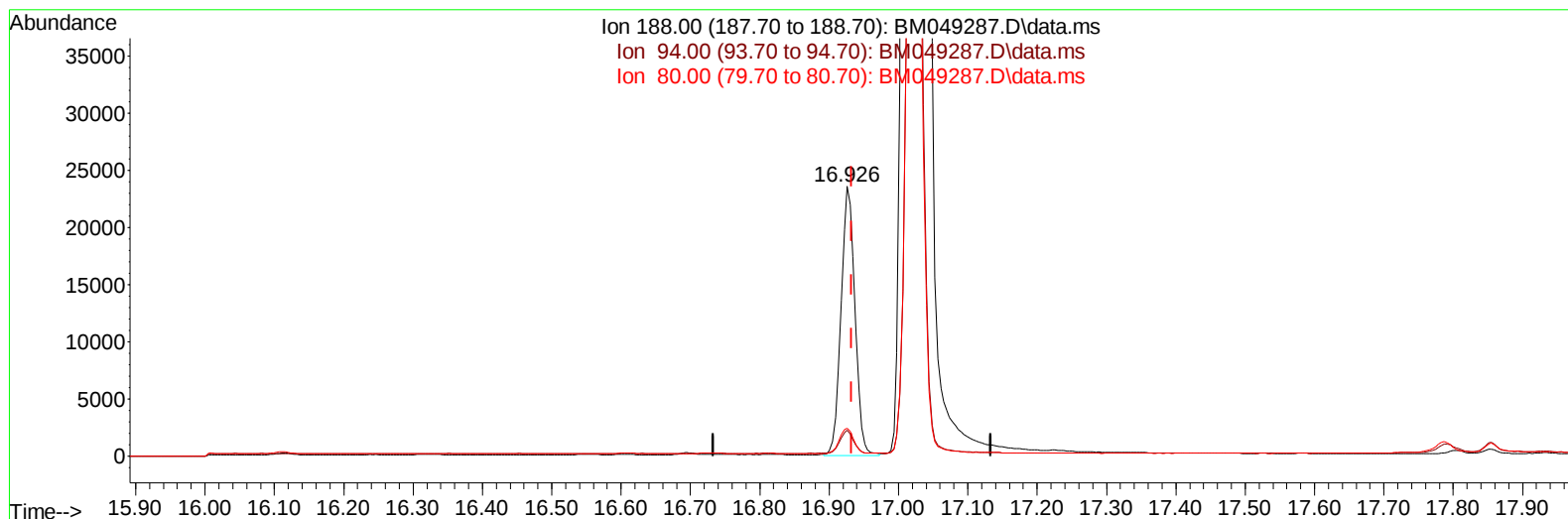
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049287.D
Acq On : 28 Dec 2024 11:33
Operator : RC/JU
Sample : P5351-03
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2925

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:52 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 : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049287.D\data.ms

(13) Phenanthrene-d10 (I)

16.926min (-0.007) 0.40 ng/u1 m

response 33024

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	9.46
80.00	10.70	10.38
0.00	0.00	0.00

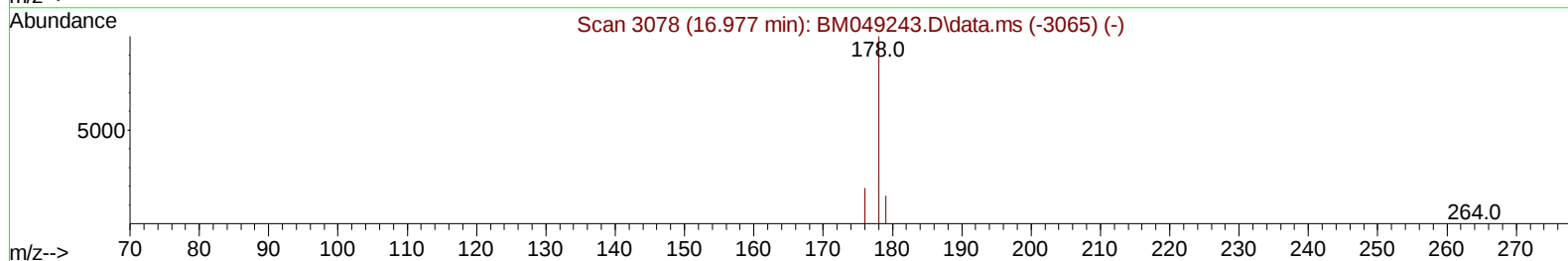
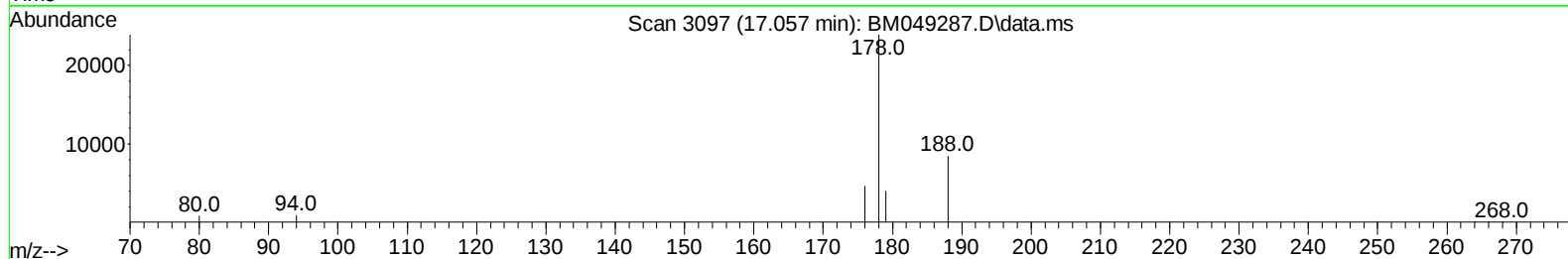
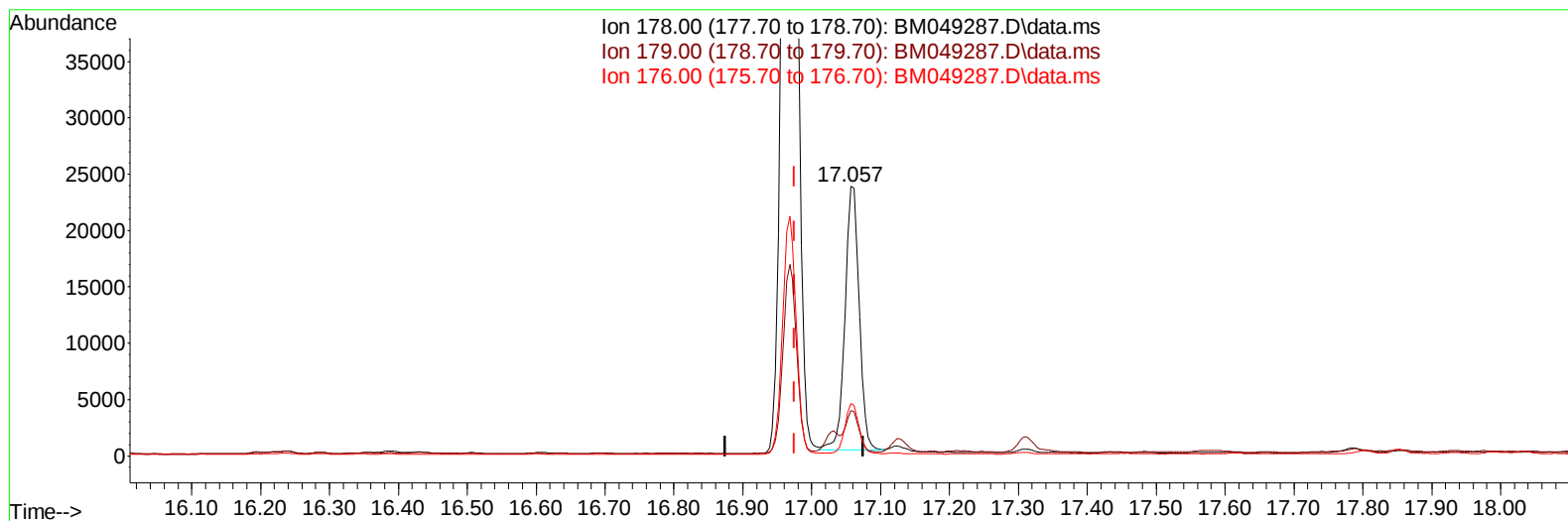
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049287.D
Acq On : 28 Dec 2024 11:33
Operator : RC/JU
Sample : P5351-03
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2925

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:52 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 : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049287.D\data.ms

(15) Phenanthrene

17.057min (+ 0.082) 0.39 ng/u1

response 33327

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	16.89
176.00	20.20	19.49
0.00	0.00	0.00

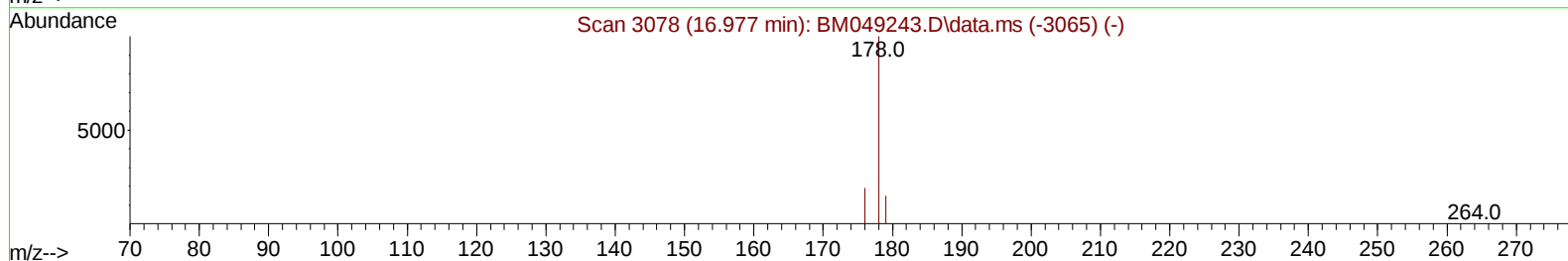
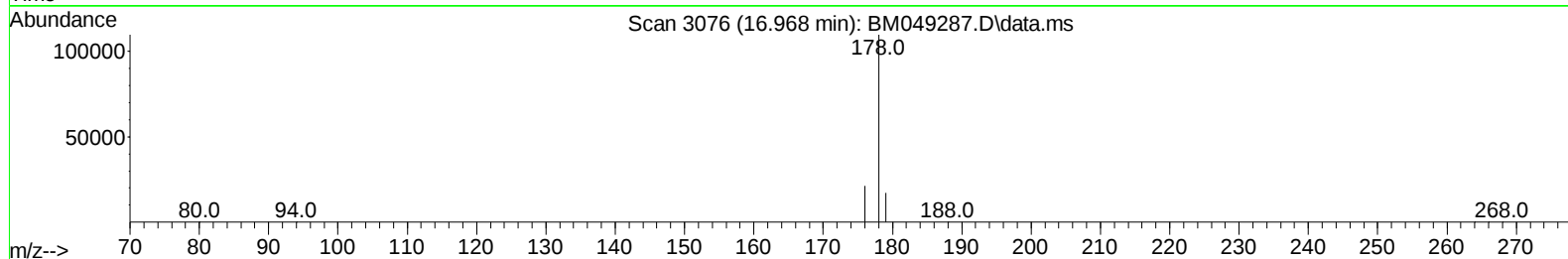
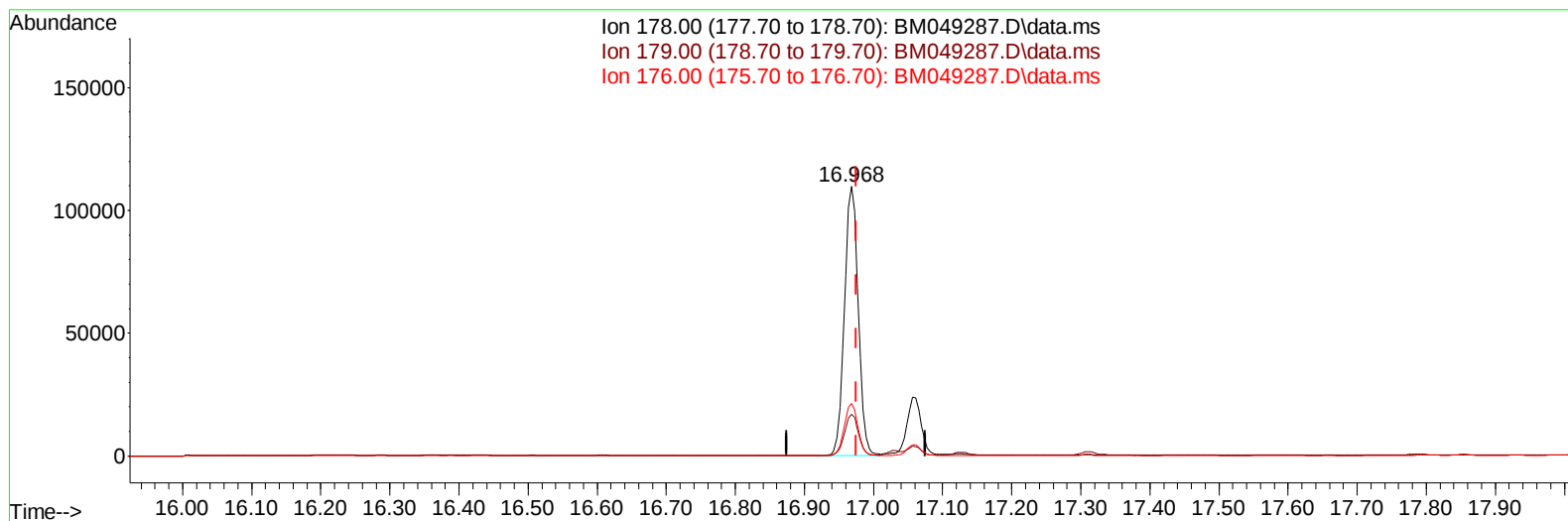
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049287.D
Acq On : 28 Dec 2024 11:33
Operator : RC/JU
Sample : P5351-03
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2925

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:52 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 : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049287.D\data.ms

(15) Phenanthrene

16.968min (-0.007) 1.75 ng/u1 m

response 151351

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	15.50
176.00	20.20	19.40
0.00	0.00	0.00

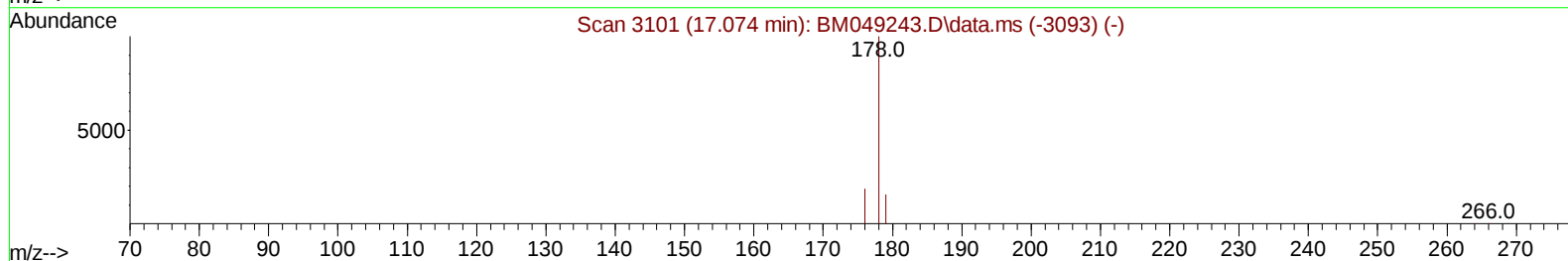
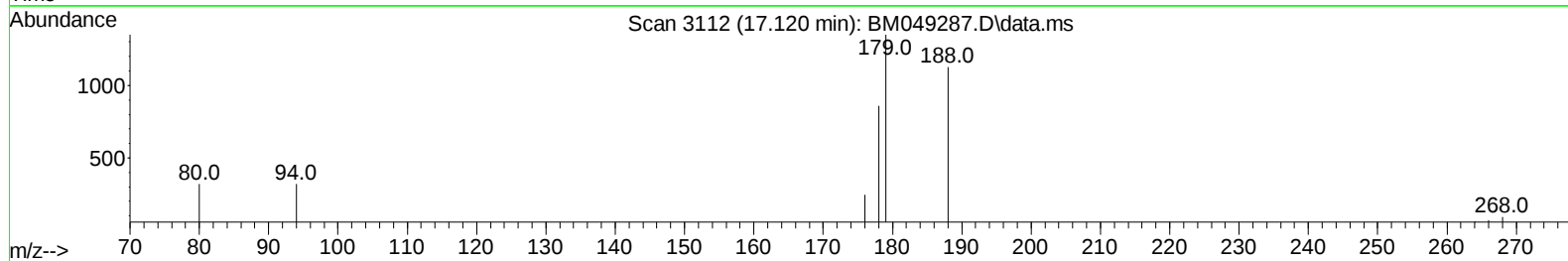
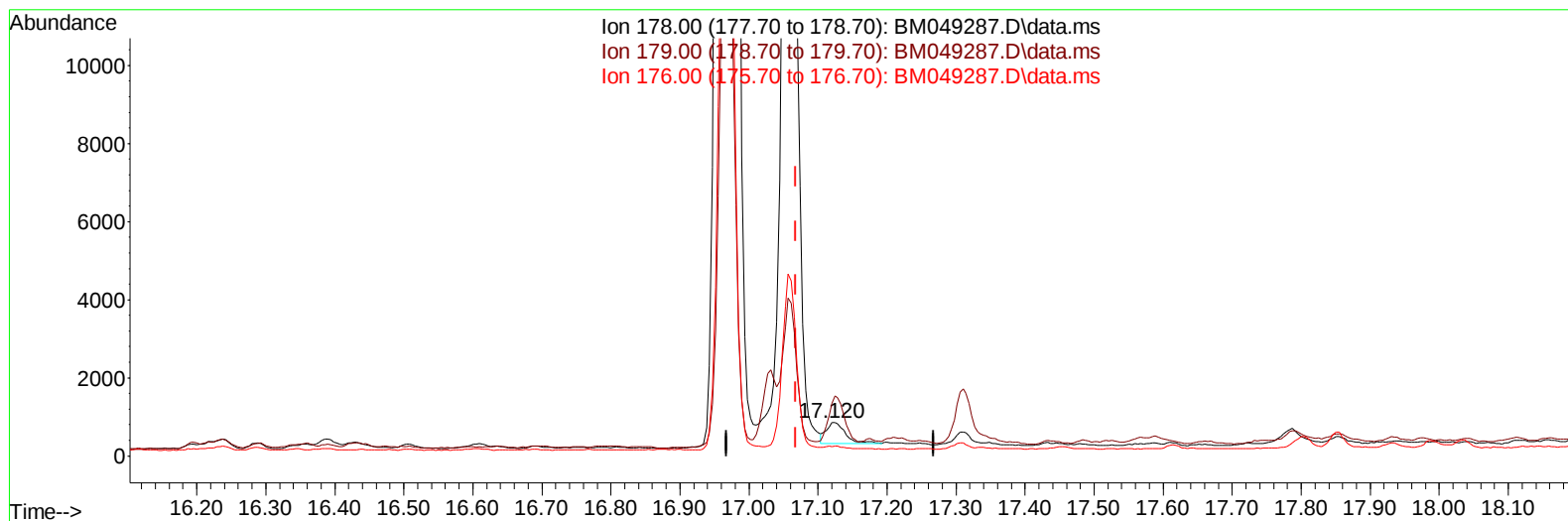
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049287.D
Acq On : 28 Dec 2024 11:33
Operator : RC/JU
Sample : P5351-03
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2925

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:52 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 : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049287.D\data.ms

(16) Anthracene

17.120min (+ 0.052) 0.01 ng/u1

response 1028

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	156.98#
176.00	19.10	28.37#
0.00	0.00	0.00

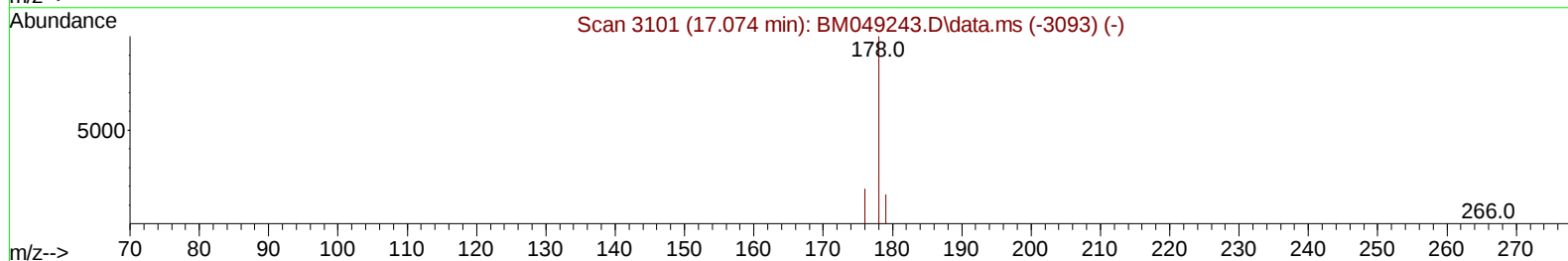
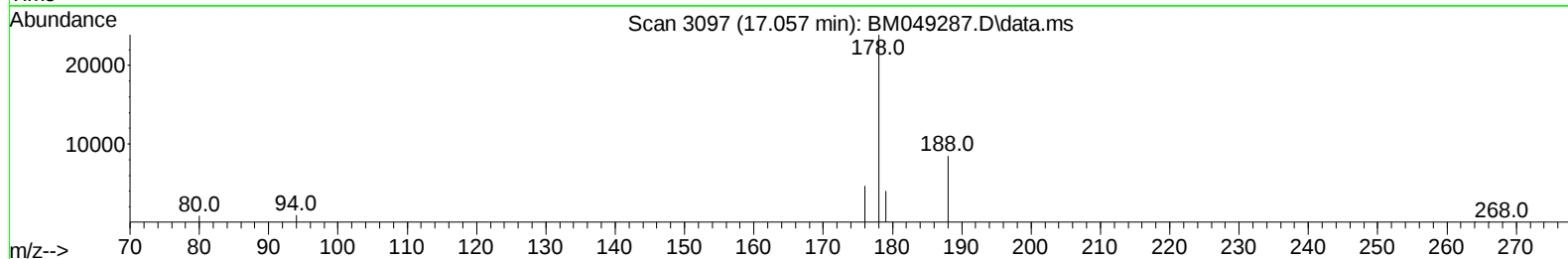
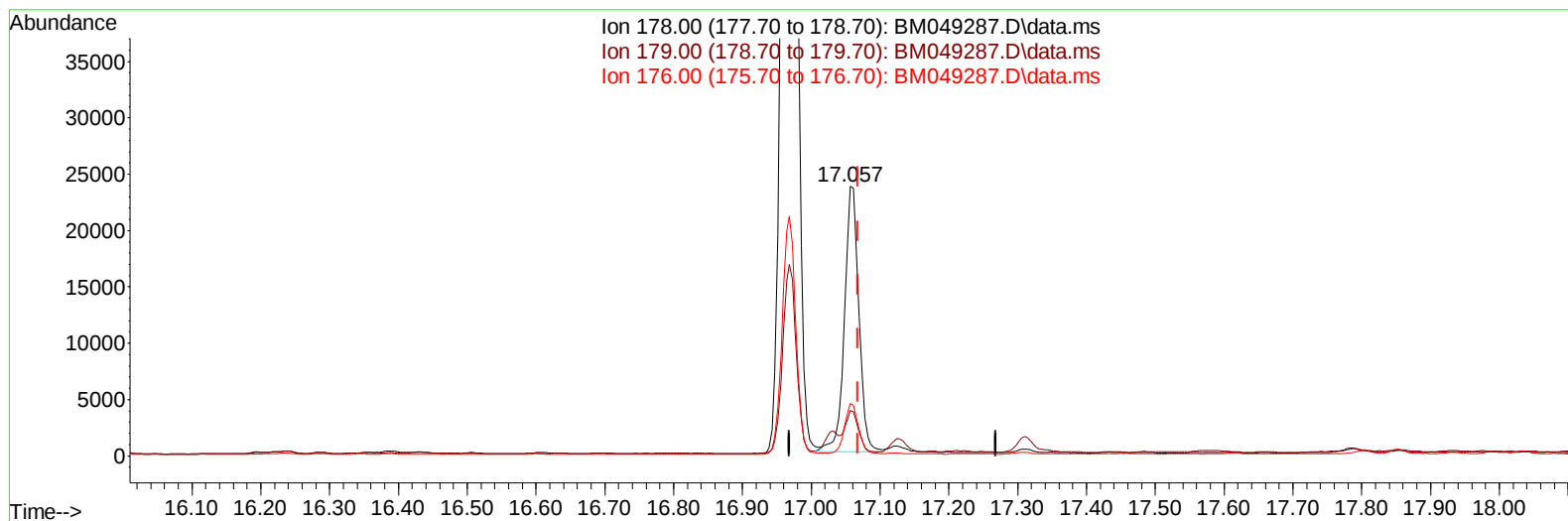
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Data File : BM049287.D
Acq On : 28 Dec 2024 11:33
Operator : RC/JU
Sample : P5351-03
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2925

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:52 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 : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049287.D\data.ms

(16) Anthracene

17.057min (-0.011) 0.43 ng/ul m

response 34352

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	16.89
176.00	19.10	19.49
0.00	0.00	0.00

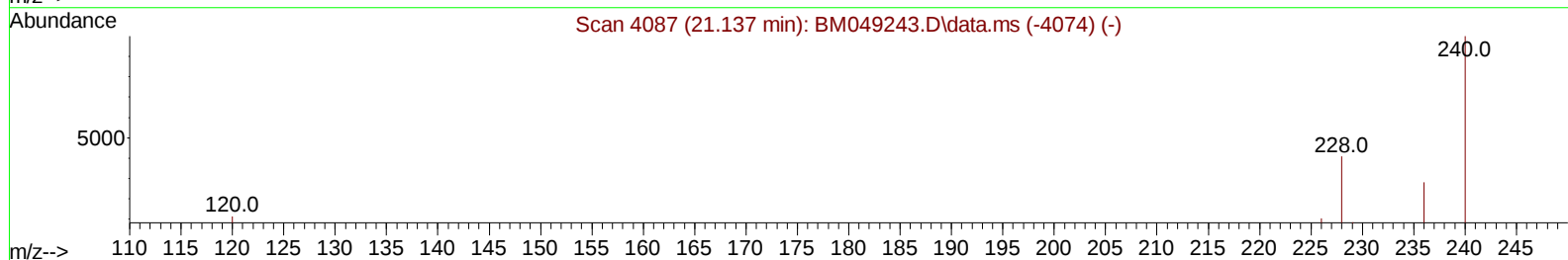
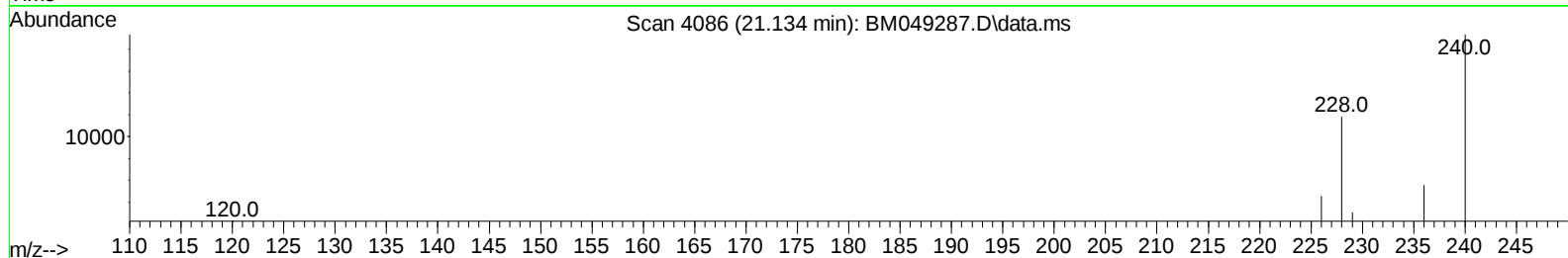
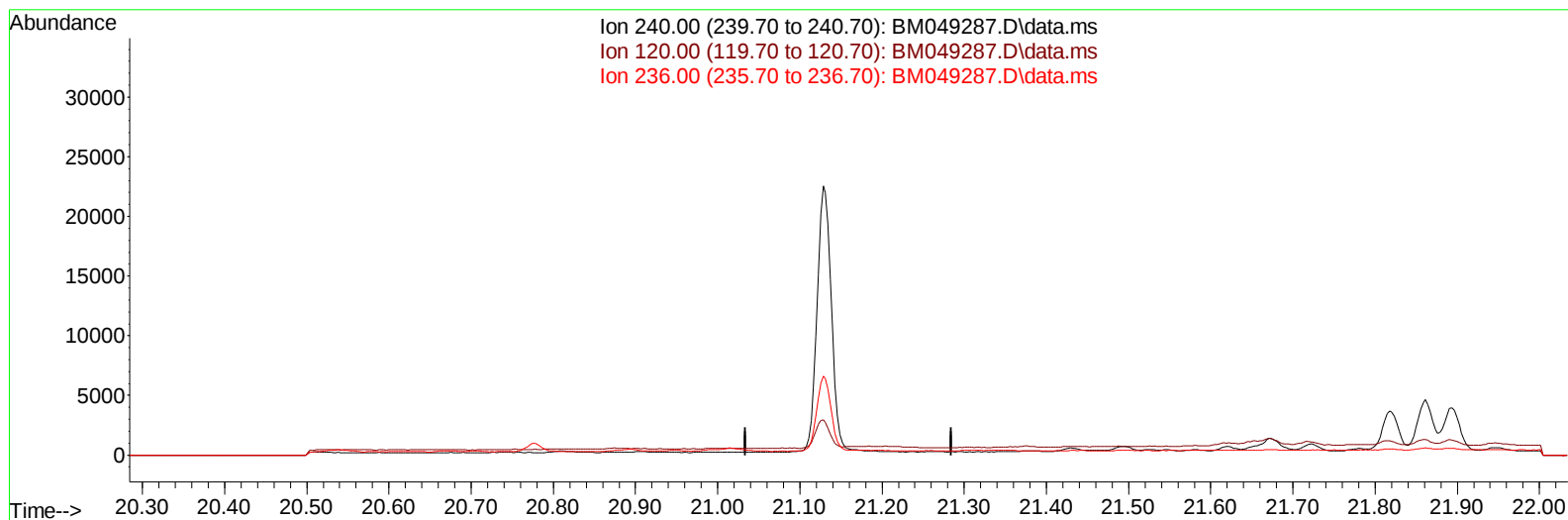
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049287.D
Acq On : 28 Dec 2024 11:33
Operator : RC/JU
Sample : P5351-03
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2925

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:52 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 : Thu Dec 26 11:35:38 2024
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Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049287.D\data.ms

(17) Chrysene-d12

21.134min (-21.134) 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

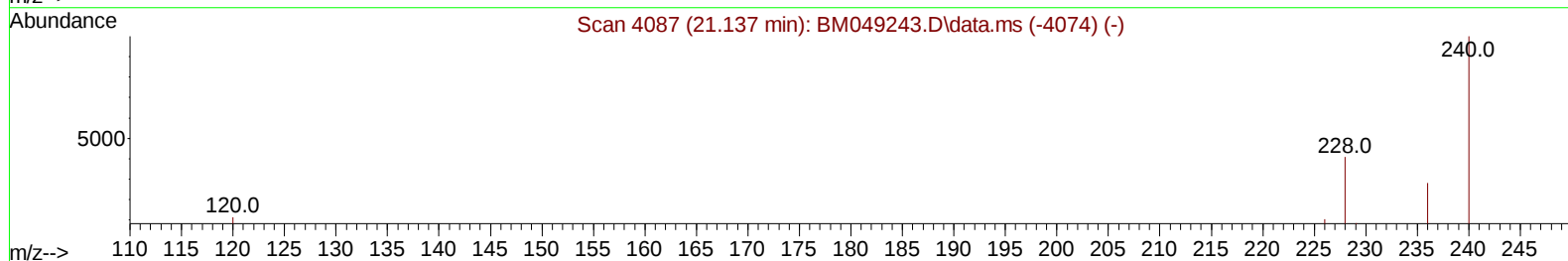
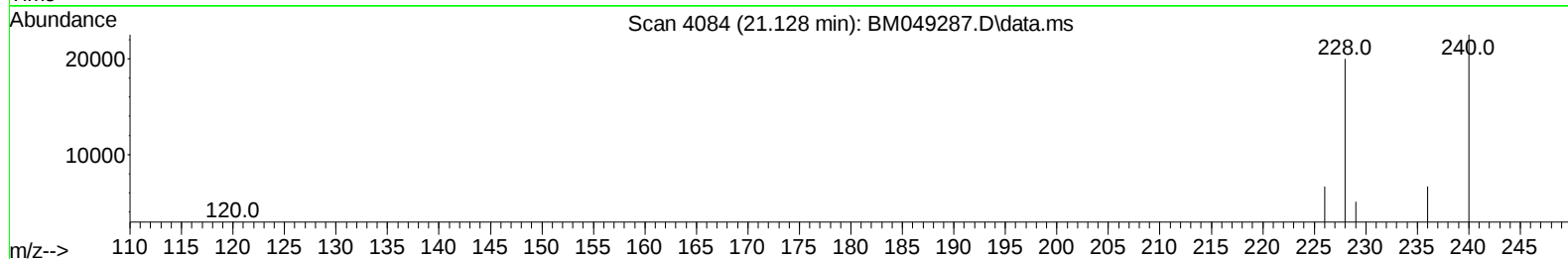
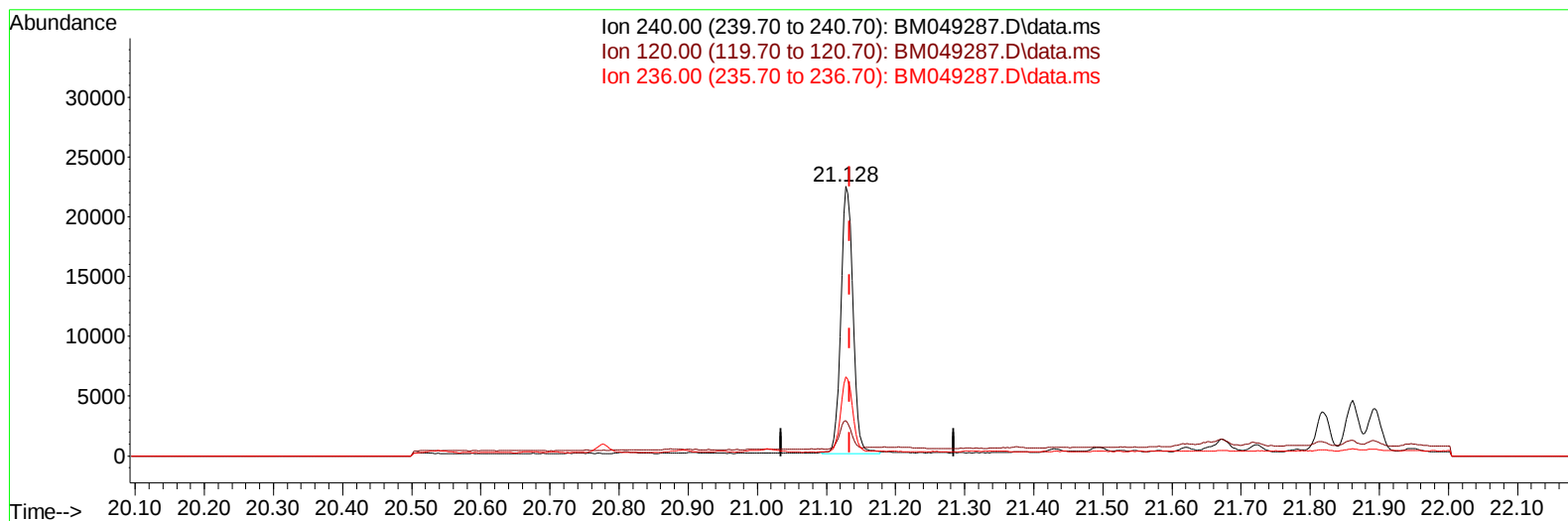
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049287.D
Acq On : 28 Dec 2024 11:33
Operator : RC/JU
Sample : P5351-03
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2925

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:52 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 : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049287.D\data.ms

(17) Chrysene-d12

21.128min (-0.006) 0.40 ng/ul m

response 27370

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	14.50	13.00
236.00	29.80	29.42
0.00	0.00	0.00

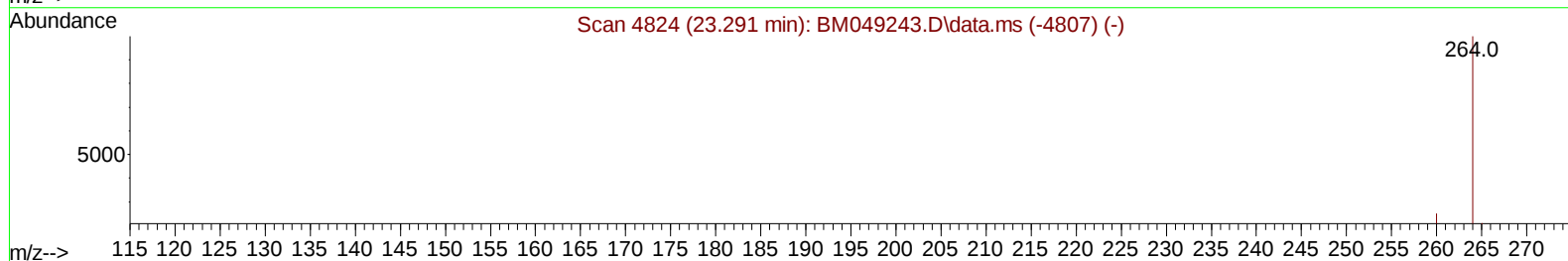
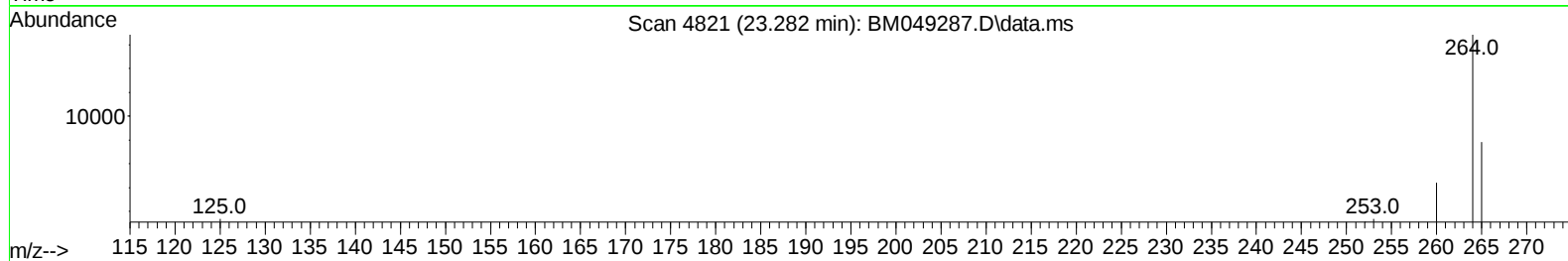
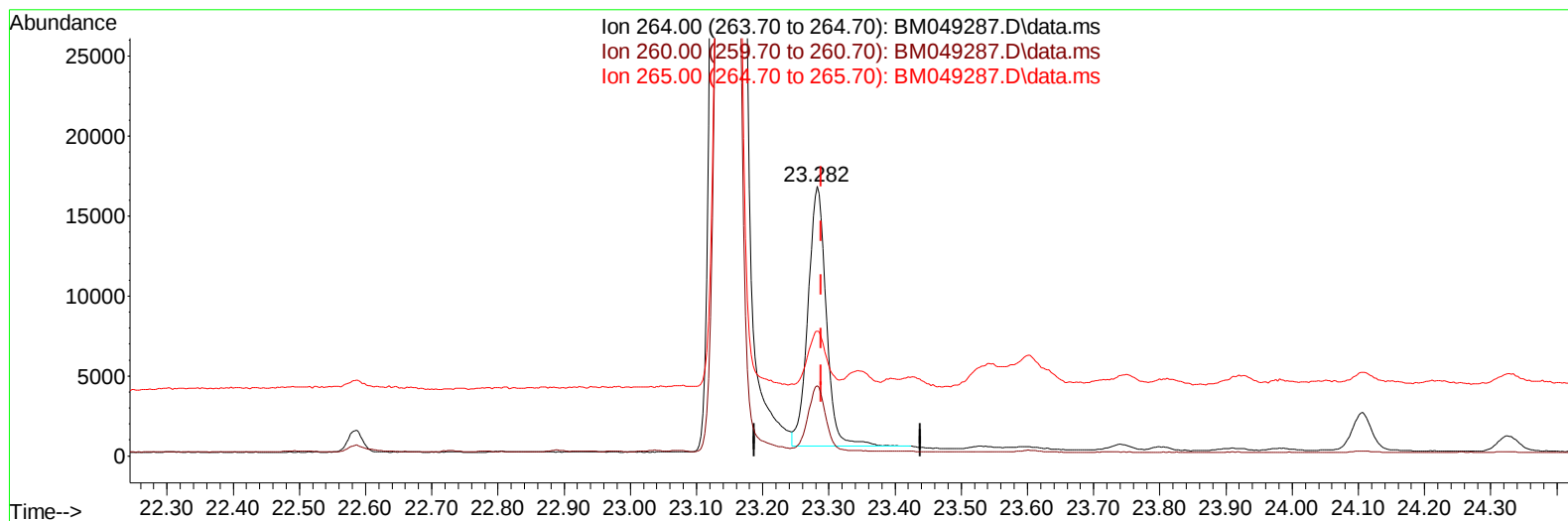
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049287.D
Acq On : 28 Dec 2024 11:33
Operator : RC/JU
Sample : P5351-03
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2925

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:52 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 : Thu Dec 26 11:35:38 2024
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Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049287.D\data.ms

(23) Perylene-d12 (I)

23.282min (-0.006) 0.40 ng/u1

response 31095

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	25.97
265.00	78.30	46.42#
0.00	0.00	0.00

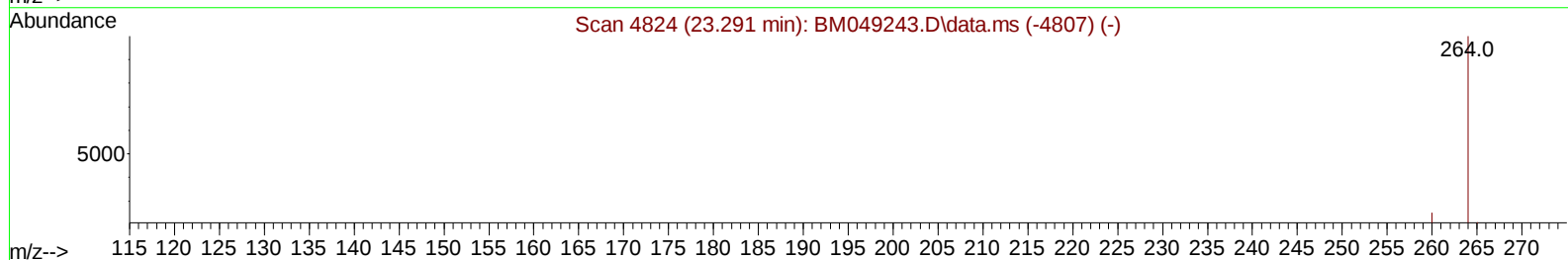
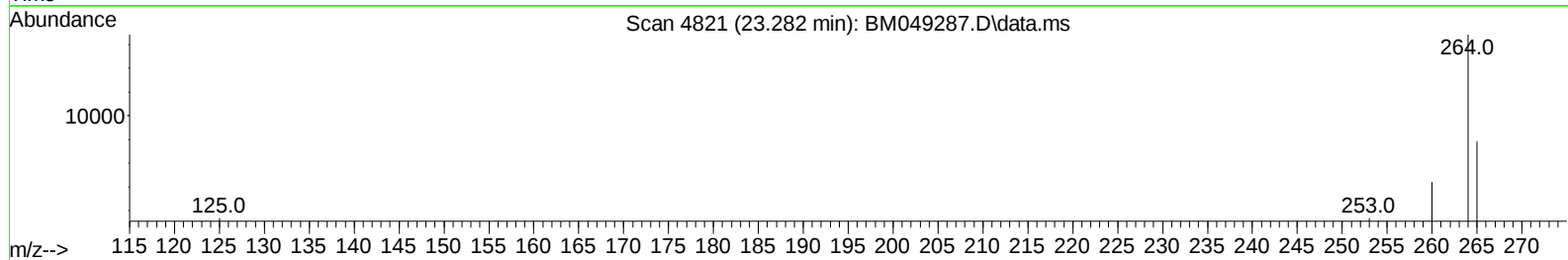
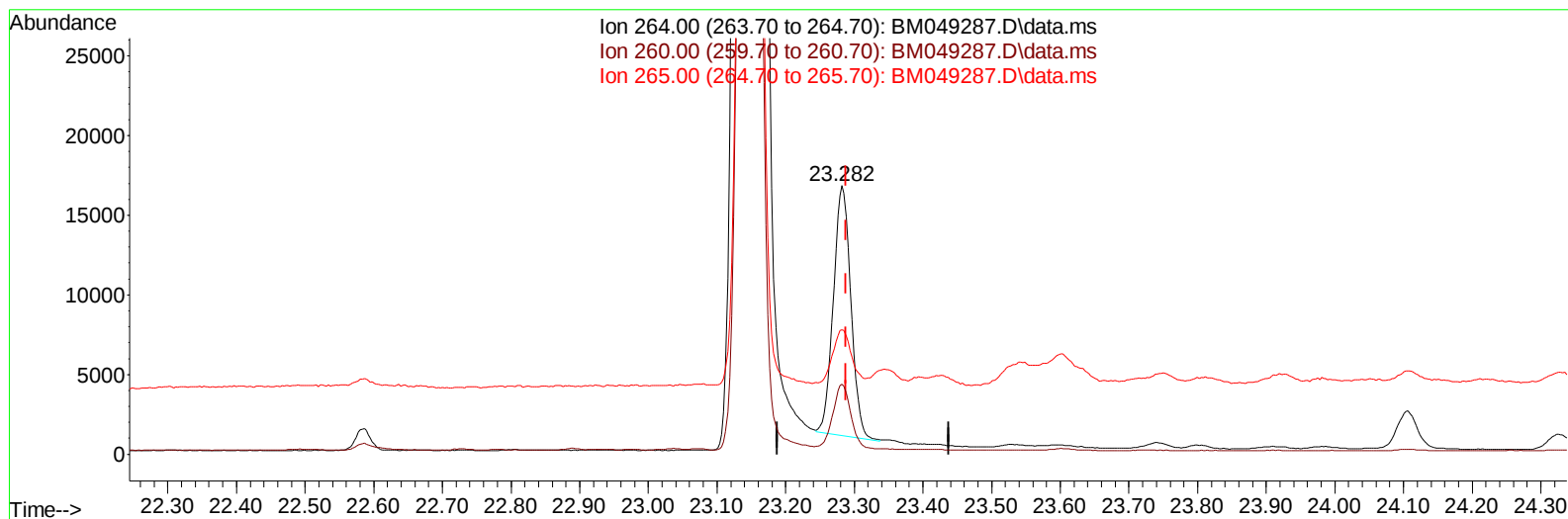
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049287.D
Acq On : 28 Dec 2024 11:33
Operator : RC/JU
Sample : P5351-03
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2925

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:52 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 : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049287.D\data.ms

(23) Perylene-d12 (I)

23.282min (-0.006) 0.40 ng/ul m

response 27634

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	25.97
265.00	78.30	46.42#
0.00	0.00	0.00

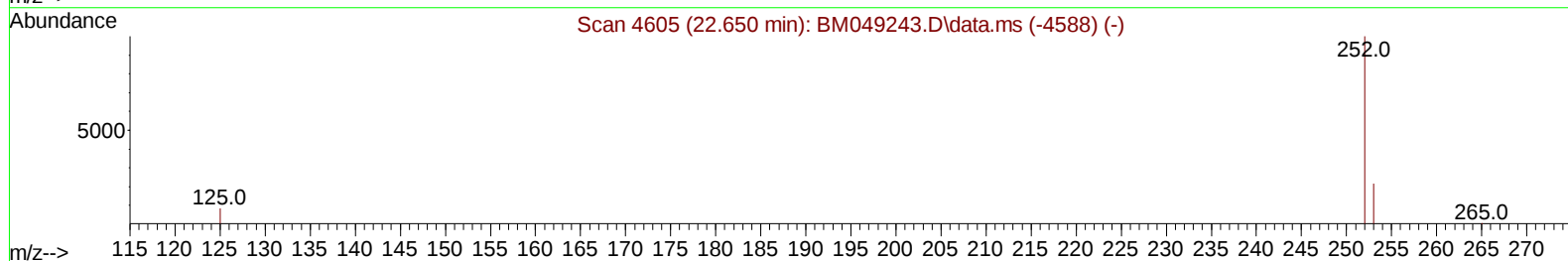
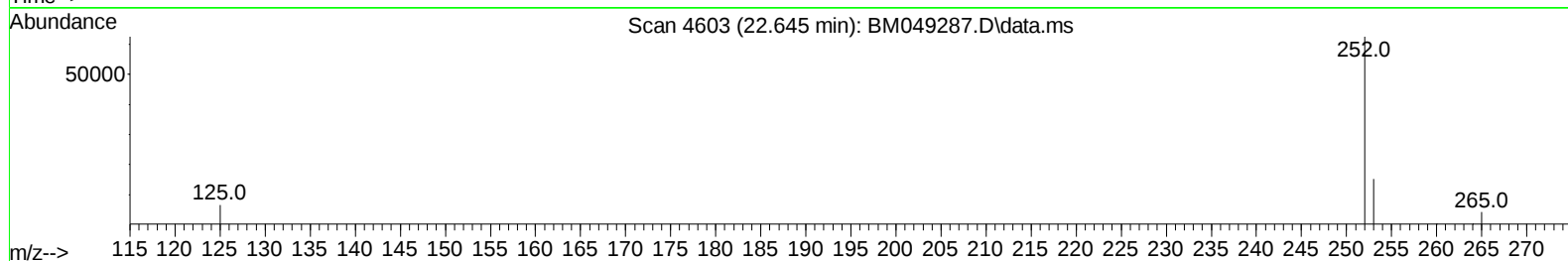
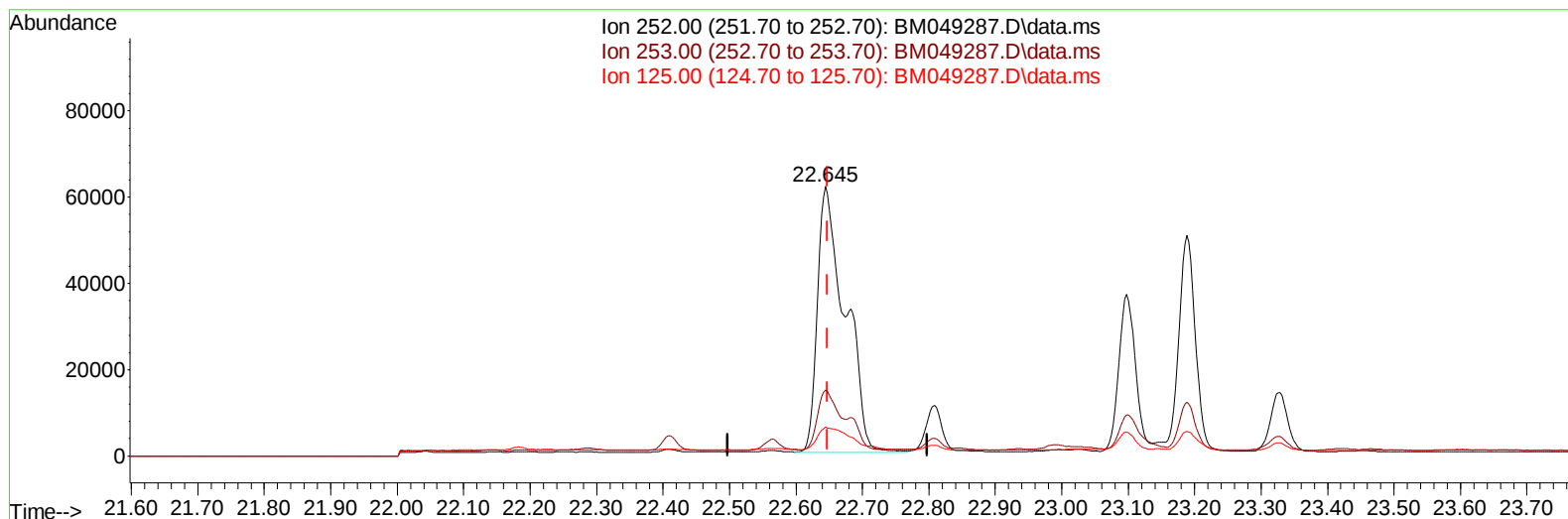
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049287.D
Acq On : 28 Dec 2024 11:33
Operator : RC/JU
Sample : P5351-03
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2925

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:52 2024
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Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049287.D\data.ms

(24) Benzo(b)fluoranthene

22.645min (-0.003) 2.02 ng/u1

response 178083

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	24.36
125.00	15.40	10.65
0.00	0.00	0.00

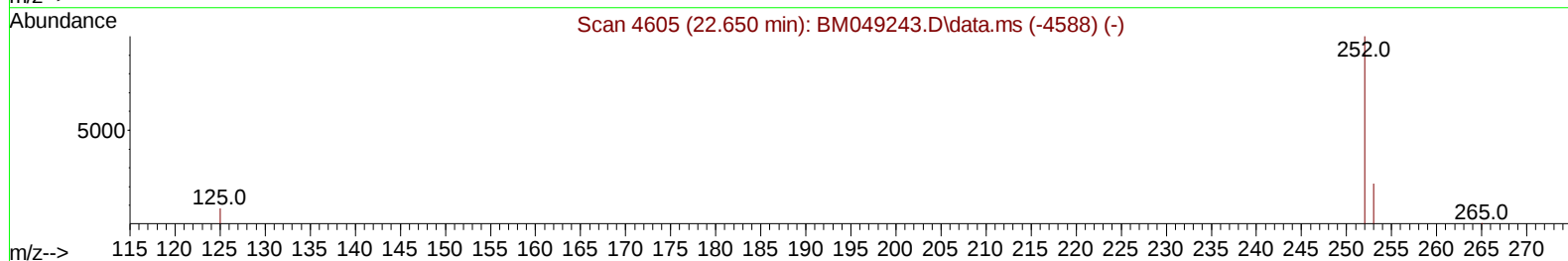
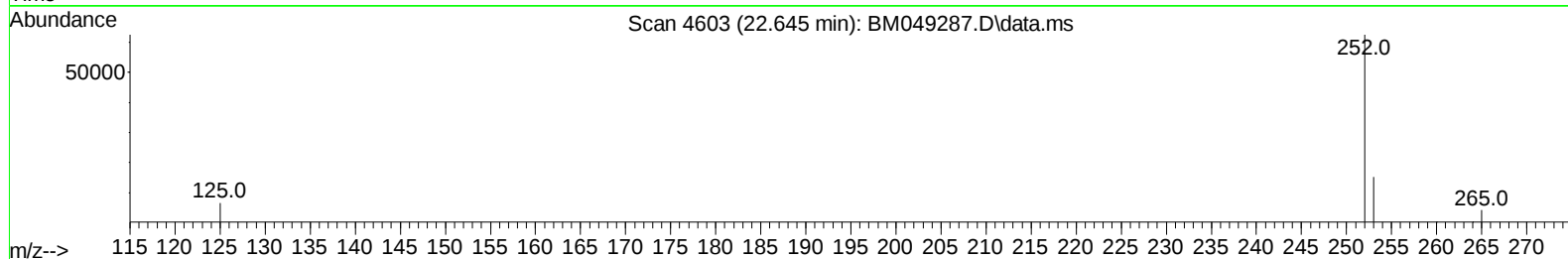
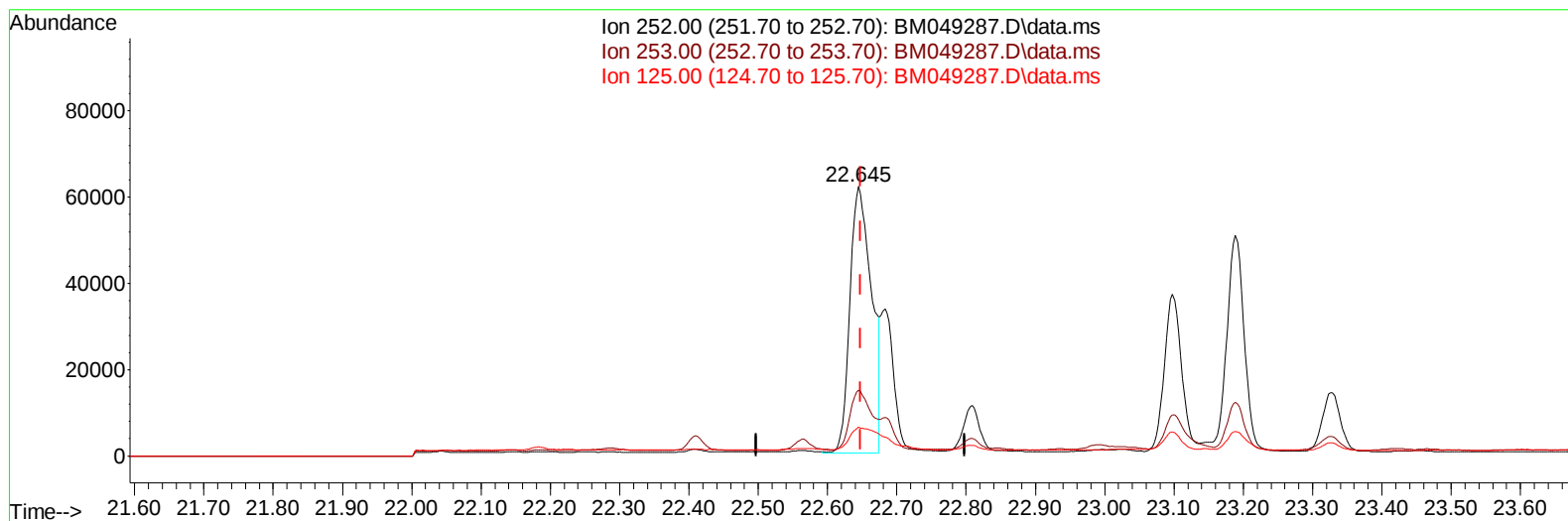
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049287.D
Acq On : 28 Dec 2024 11:33
Operator : RC/JU
Sample : P5351-03
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2925

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:52 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 : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049287.D\data.ms

(24) Benzo(b)fluoranthene

22.645min (-0.003) 1.52 ng/u1 m

response 133870

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	24.36
125.00	15.40	10.65
0.00	0.00	0.00

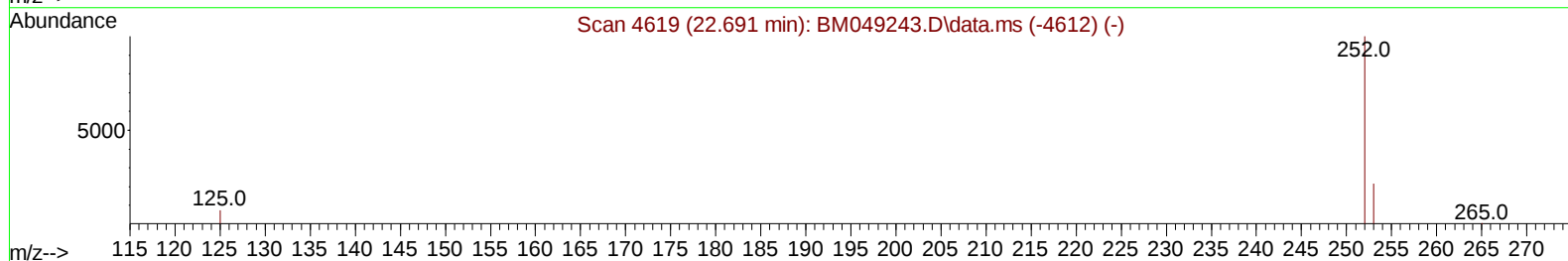
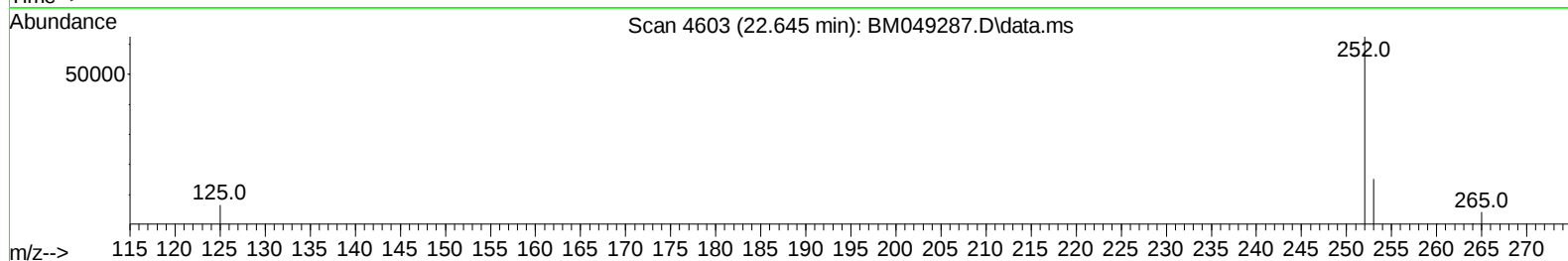
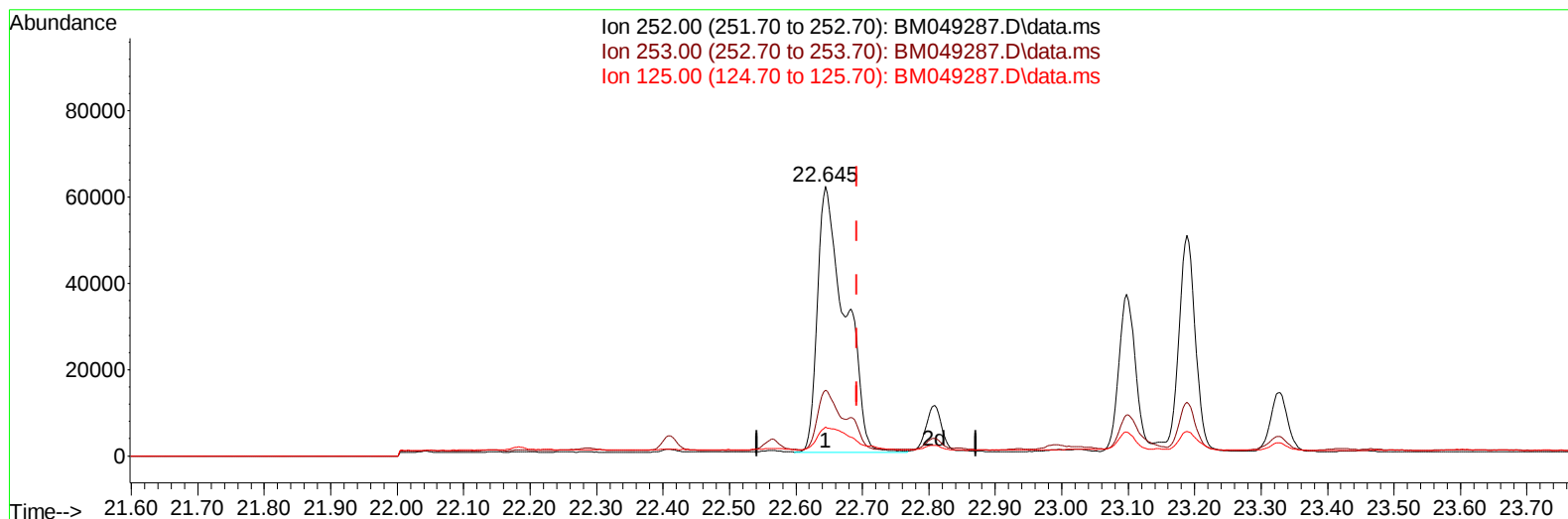
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049287.D
Acq On : 28 Dec 2024 11:33
Operator : RC/JU
Sample : P5351-03
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2925

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:52 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 : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049287.D\data.ms

(25) Benzo(k)fluoranthene

22.645min (-0.047) 1.84 ng/u1

response 178083

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	24.36
125.00	15.70	10.65#
0.00	0.00	0.00

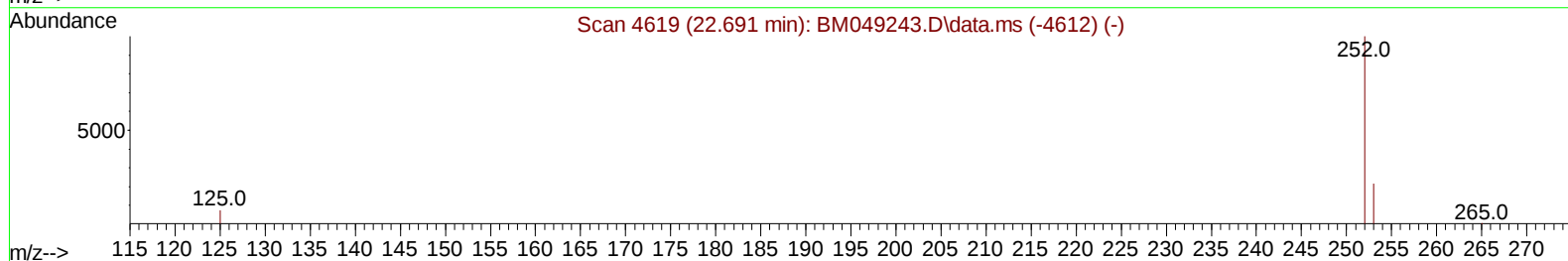
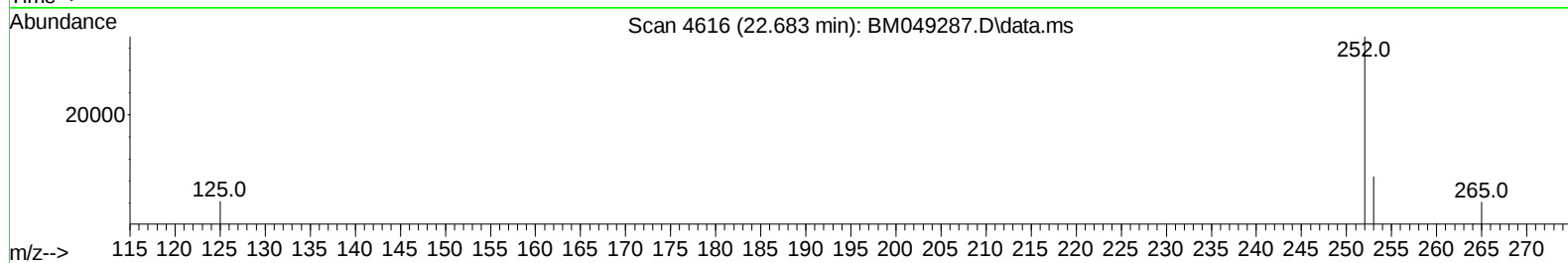
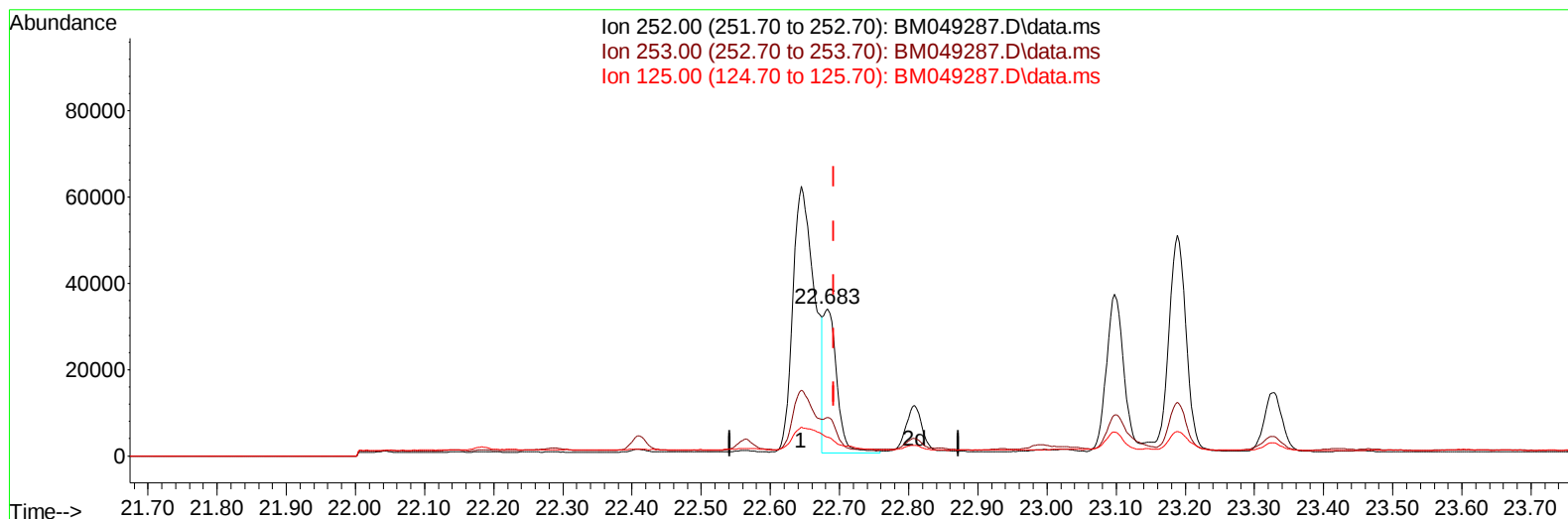
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049287.D
Acq On : 28 Dec 2024 11:33
Operator : RC/JU
Sample : P5351-03
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2925

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:52 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 : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049287.D\data.ms

(25) Benzo(k)fluoranthene

22.683min (-0.009) 0.47 ng/u1 m

response 45621

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	26.06
125.00	15.70	12.73
0.00	0.00	0.00

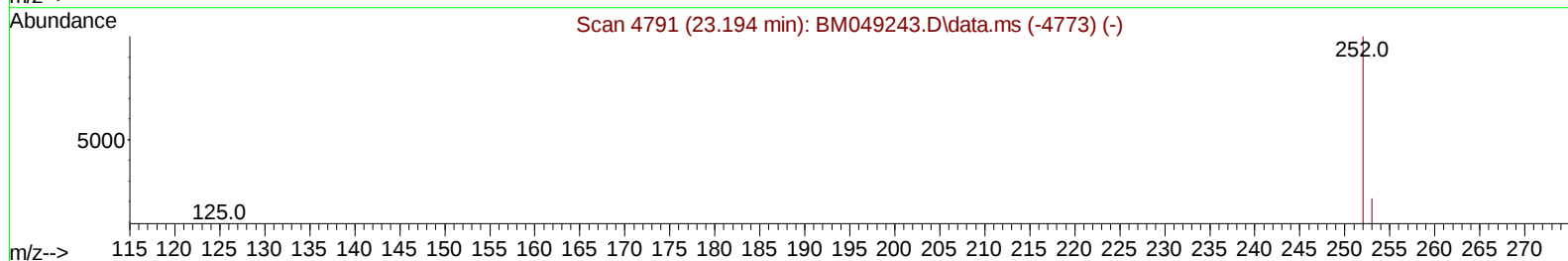
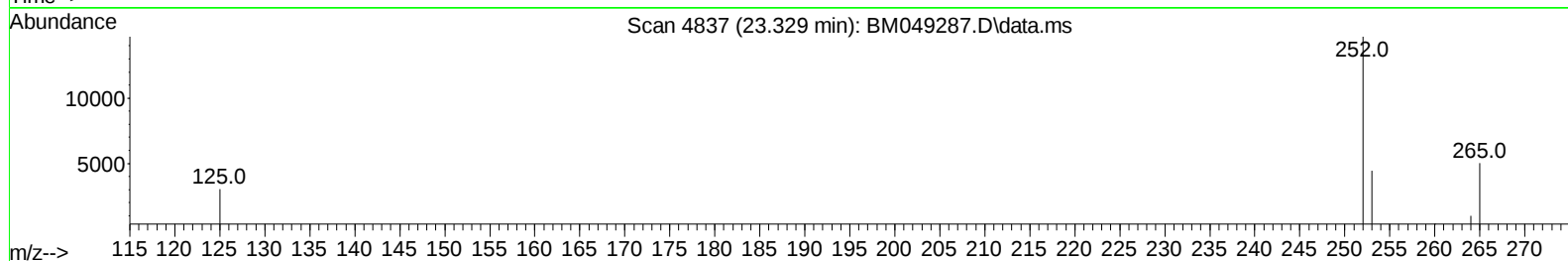
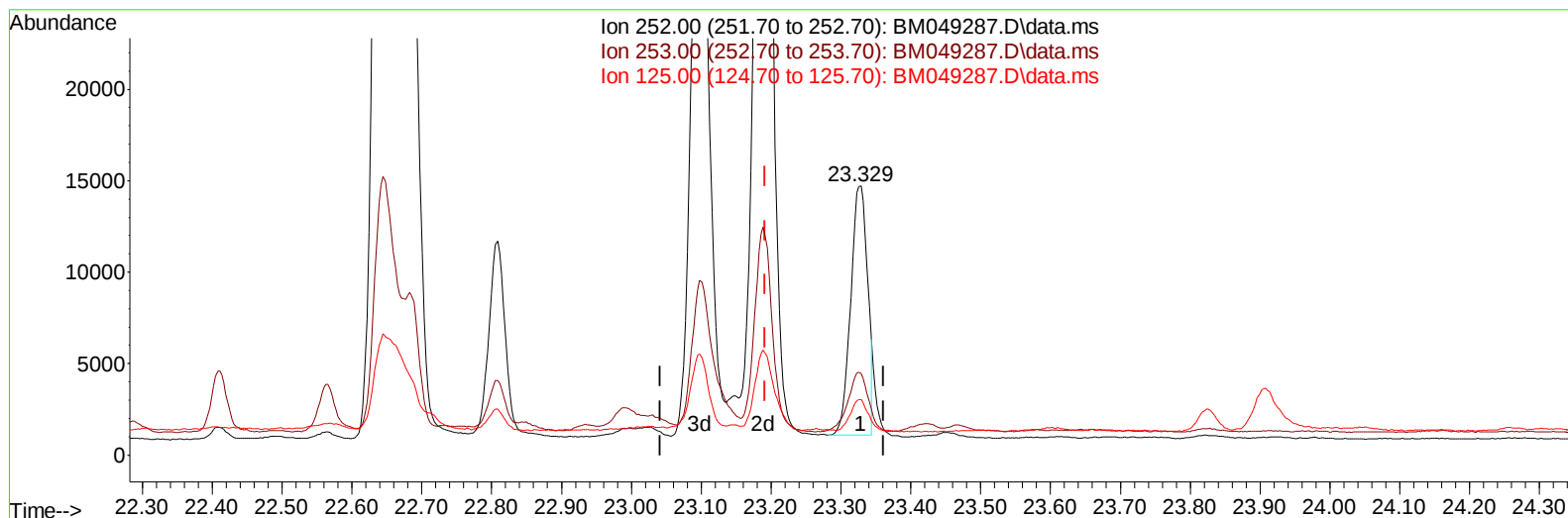
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049287.D
Acq On : 28 Dec 2024 11:33
Operator : RC/JU
Sample : P5351-03
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
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TIC: BM049287.D\data.ms

(26) Benzo(a)pyrene (C)

23.329min (+ 0.137) 0.27 ng/u1

response 22783

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.00	30.38
125.00	18.50	20.68
0.00	0.00	0.00

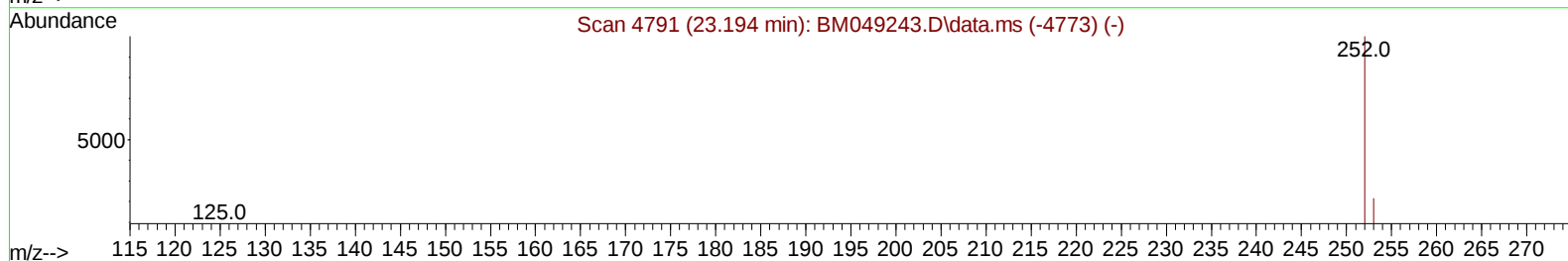
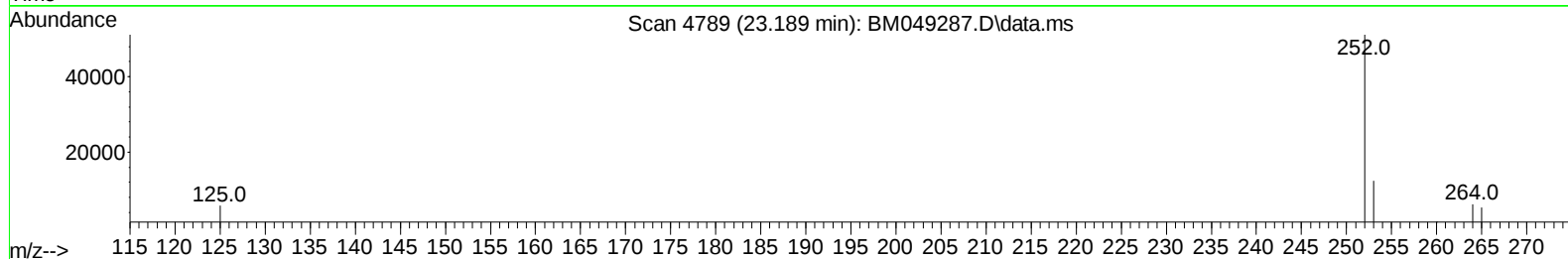
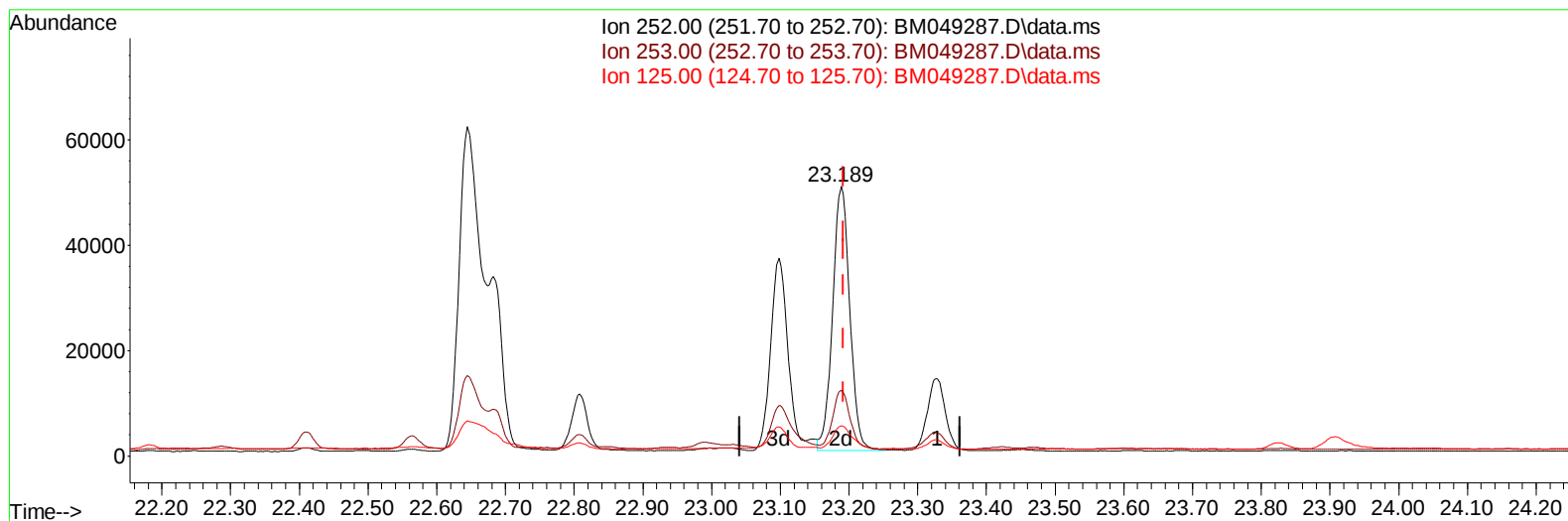
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049287.D
Acq On : 28 Dec 2024 11:33
Operator : RC/JU
Sample : P5351-03
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2925

Manual IntegrationsAPPROVED

Quant Time: Dec 29 21:56:52 2024
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Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049287.D\data.ms

(26) Benzo(a)pyrene (C)

23.189min (-0.003) 1.02 ng/u1 m

response 86773

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.00	24.36
125.00	18.50	11.23#
0.00	0.00	0.00

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 Data File : BM049287.D
 Acq On : 28 Dec 2024 11:33
 Operator : RC/JU
 Sample : P5351-03
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2925

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/30/2024
 Supervised By :mohammad ahmed 12/30/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.539	152	6984	0.400	ng/ul	0.00
4) Naphthalene-d8	10.299	136	23003	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.178	164	13779	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.926	188	33024m	0.400	ng/ul	0.00
17) Chrysene-d12	21.128	240	27370m	0.400	ng/ul	0.00
23) Perylene-d12	23.282	264	27634m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.139	96	23987	2.978	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.899	152	6312	0.204	ng/ul	0.00
18) Fluoranthene-d10	18.965	212	14285	0.184	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.348	128	3562	0.062	ng/ul#	90
7) 2-Methylnaphthalene	11.976	142	2563	0.070	ng/ul	98
8) 1-Methylnaphthalene	12.196	142	2662	0.071	ng/ul	98
10) Acenaphthylene	13.891	152	4099	0.072	ng/ul#	88
11) Acenaphthene	14.238	153	5832	0.140	ng/ul	98
12) Fluorene	15.233	166	7933	0.169	ng/ul	99
15) Phenanthrene	16.968	178	151351m	1.755	ng/ul	
16) Anthracene	17.057	178	34352m	0.434	ng/ul	
19) Fluoranthene	18.993	202	261883	2.646	ng/ul	98
20) Pyrene	19.360	202	200834	1.903	ng/ul	97
21) Benzo(a)anthracene	21.114	228	111366	1.170	ng/ul	99
22) Chrysene	21.163	228	103681	1.015	ng/ul	97
24) Benzo(b)fluoranthene	22.645	252	133870m	1.516	ng/ul	
25) Benzo(k)fluoranthene	22.683	252	45621m	0.471	ng/ul	
26) Benzo(a)pyrene	23.189	252	86773m	1.025	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.410	276	65752	0.549	ng/ul#	91
28) Dibenzo(a,h)anthracene	25.417	278	15724	0.169	ng/ul#	89
29) Benzo(g,h,i)perylene	26.061	276	66863	0.694	ng/ul	98

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

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