

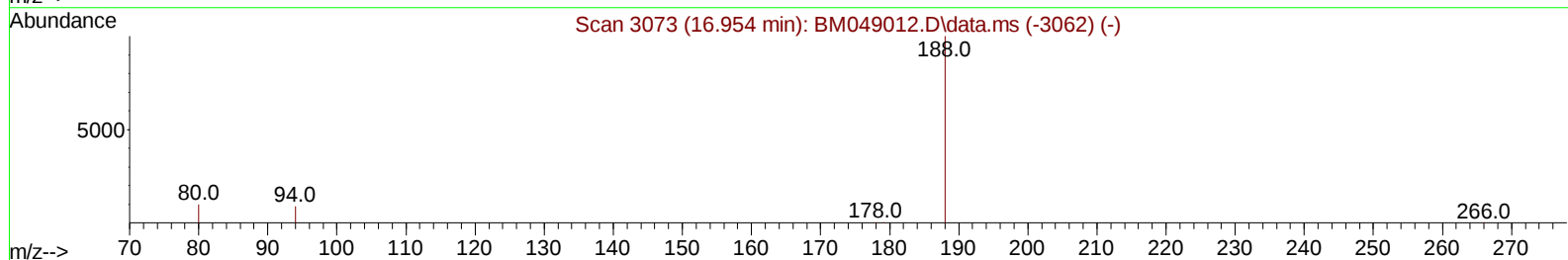
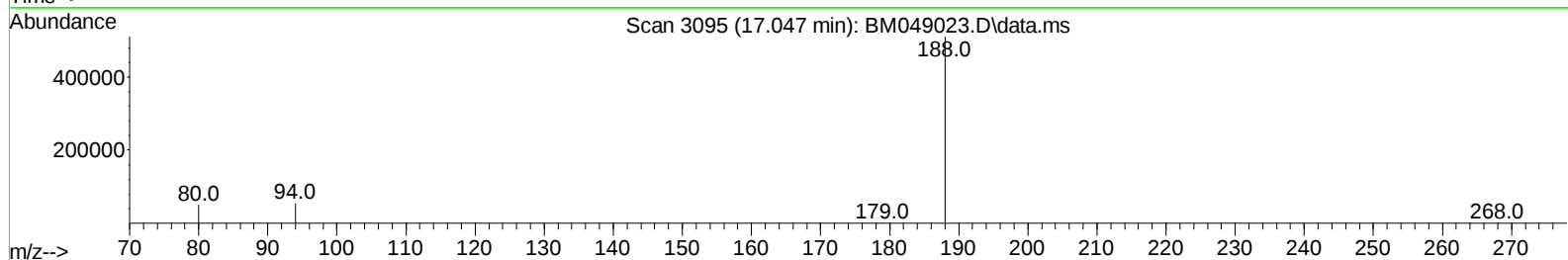
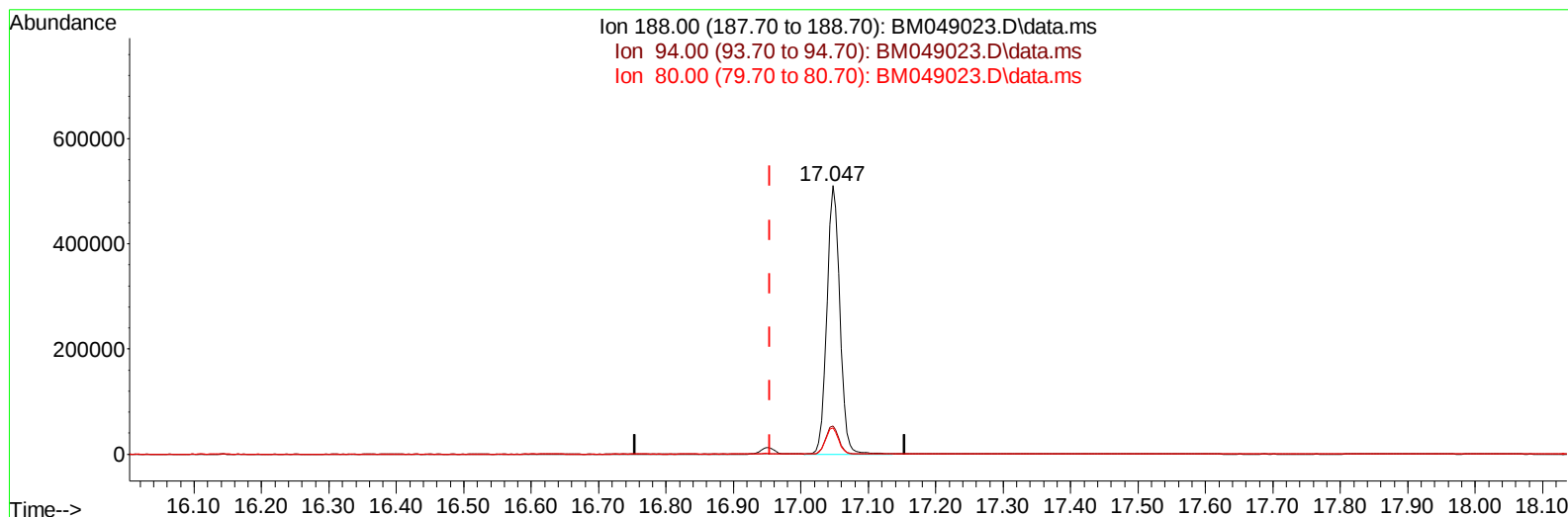
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049023.D
Acq On : 17 Dec 2024 15:50
Operator : RC/JU
Sample : P5155-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28T6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 16:19:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049023.D\data.ms

(13) Phenanthrene-d10 (I)

17.047min (+ 0.093) 0.40 ng/u1

response 679976

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	12.10	10.62
80.00	13.90	9.72#
0.00	0.00	0.00

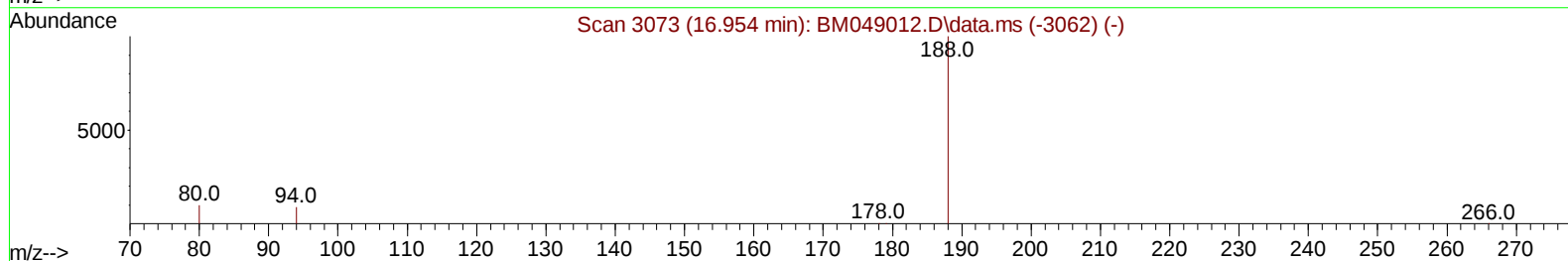
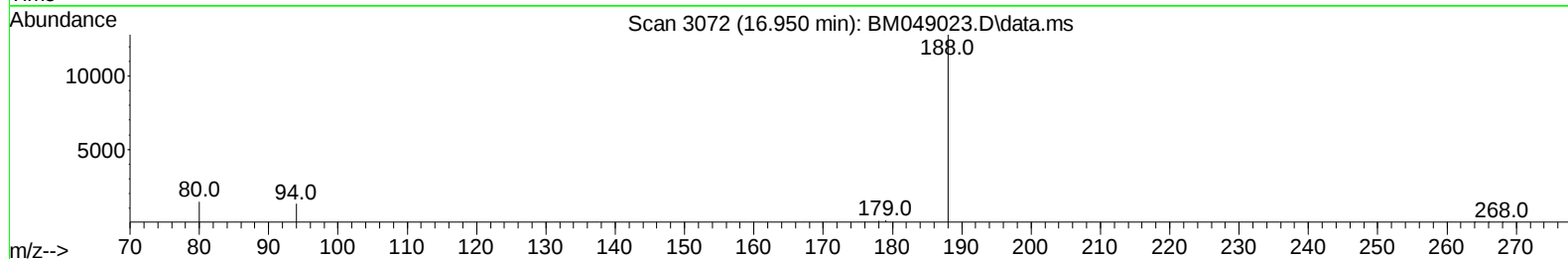
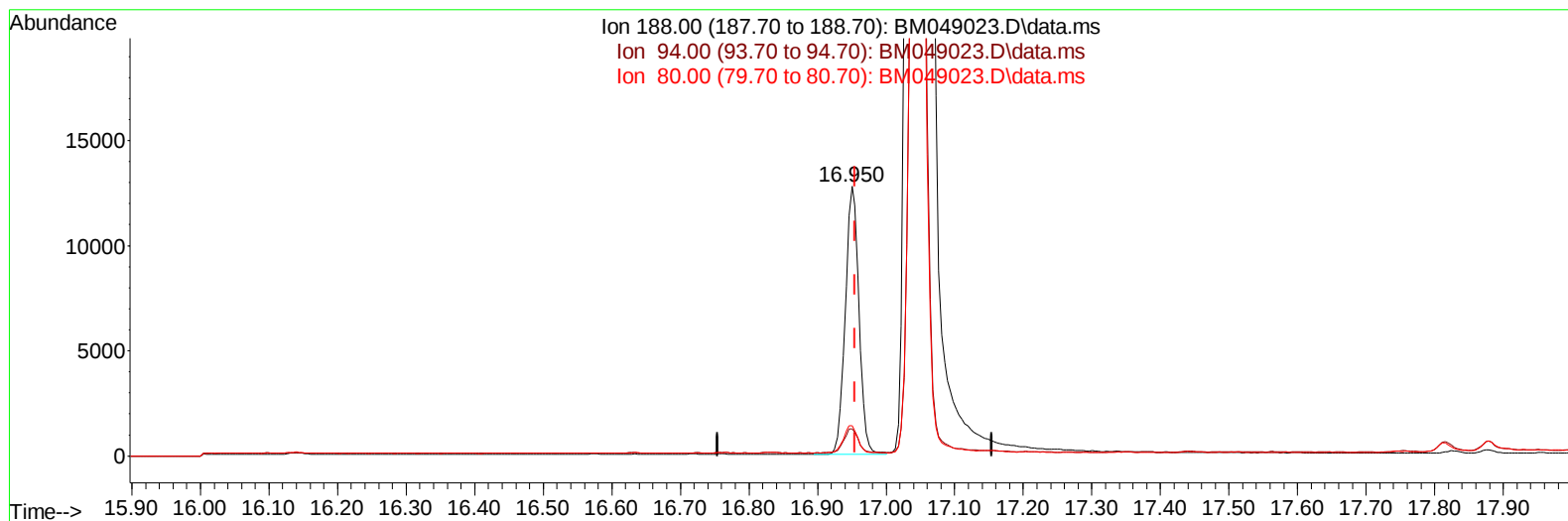
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049023.D
Acq On : 17 Dec 2024 15:50
Operator : RC/JU
Sample : P5155-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28T6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 16:19:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049023.D\data.ms

(13) Phenanthrene-d10 (I)

16.950min (-0.004) 0.40 ng/ul m

response 17749

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	12.10	10.11
80.00	13.90	11.27
0.00	0.00	0.00

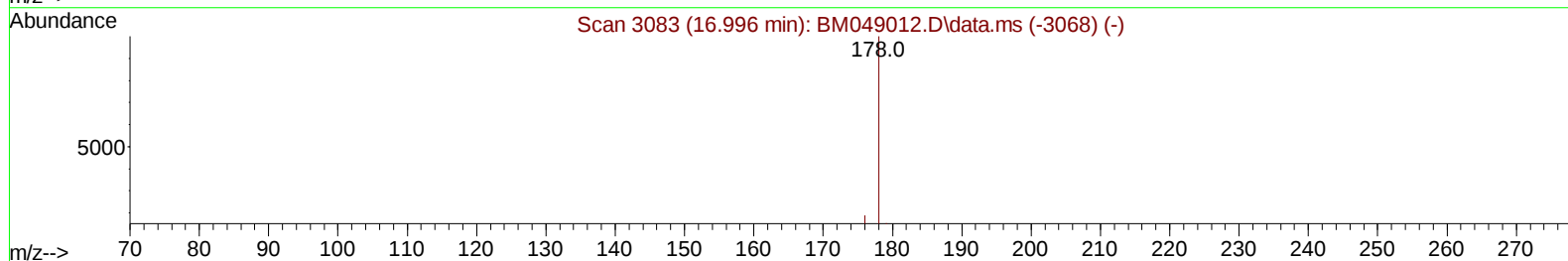
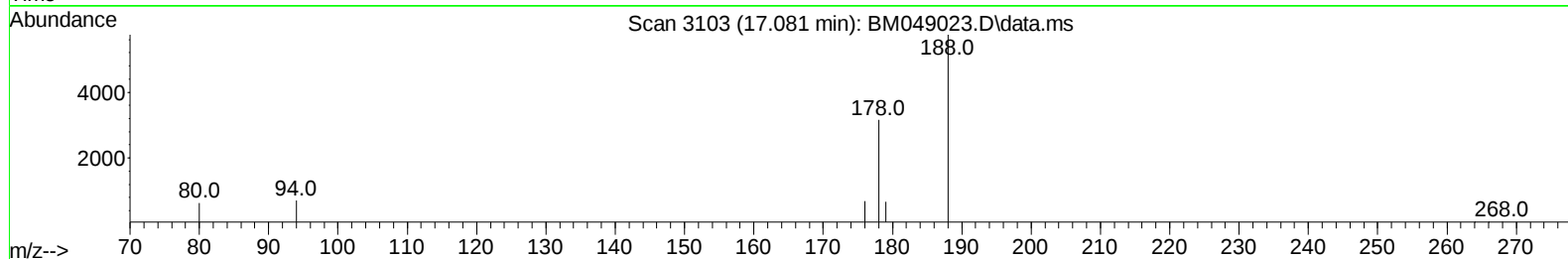
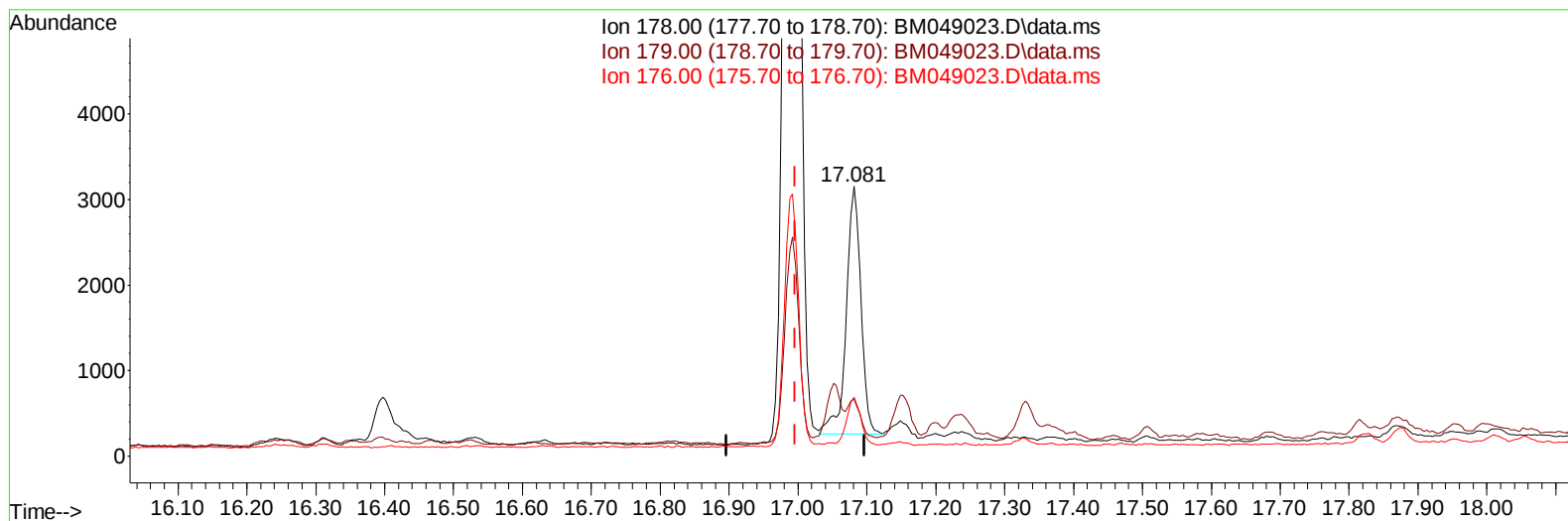
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049023.D
Acq On : 17 Dec 2024 15:50
Operator : RC/JU
Sample : P5155-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28T6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 16:19:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049023.D\data.ms

(15) Phenanthrene

17.081min (+ 0.085) 0.09 ng/u1

response 4258

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.30	21.06#
176.00	19.80	21.79
0.00	0.00	0.00

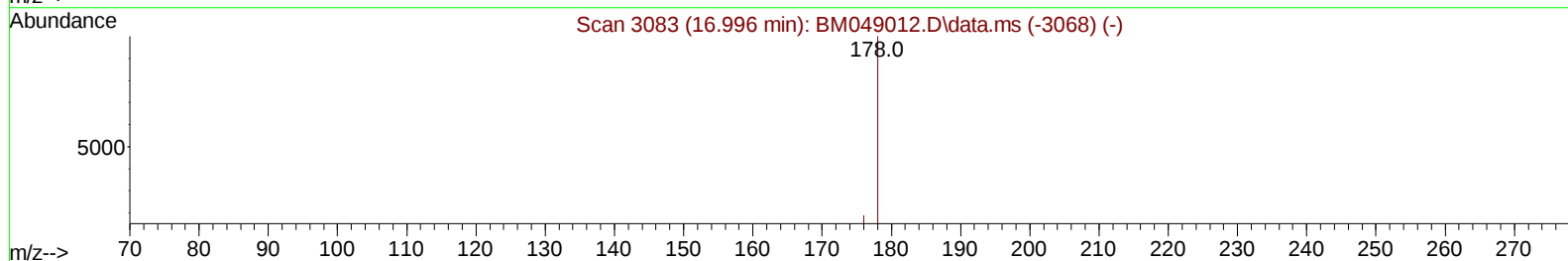
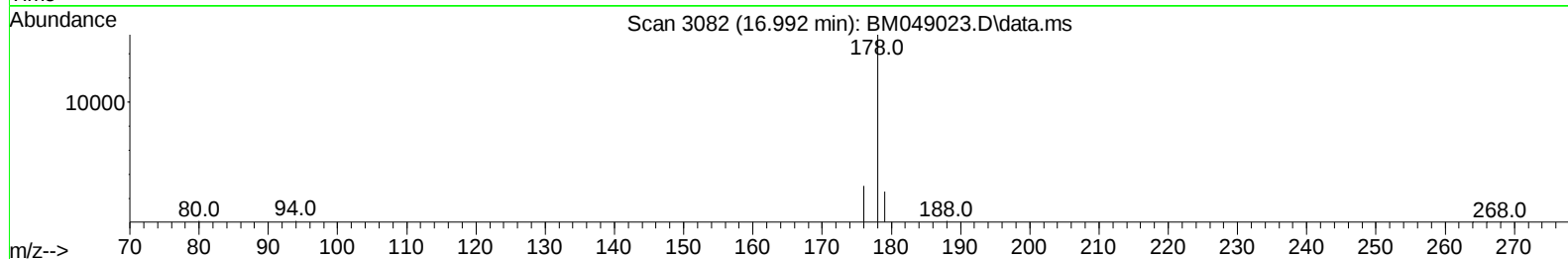
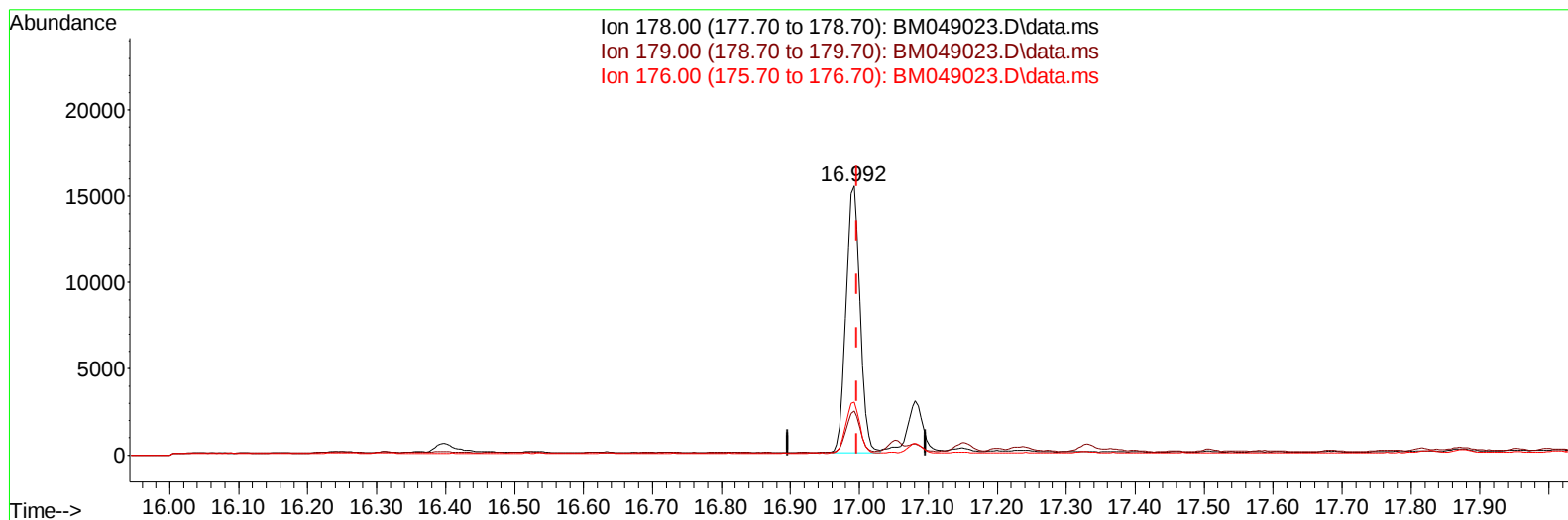
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049023.D
Acq On : 17 Dec 2024 15:50
Operator : RC/JU
Sample : P5155-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28T6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 16:19:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049023.D\data.ms

(15) Phenanthrene

16.992min (-0.004) 0.45 ng/ul m

response 22103

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.30	16.45
176.00	19.80	19.68
0.00	0.00	0.00

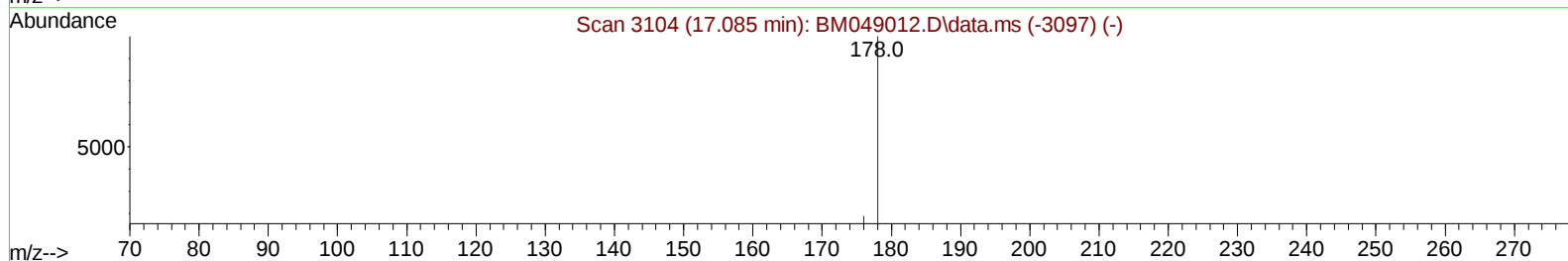
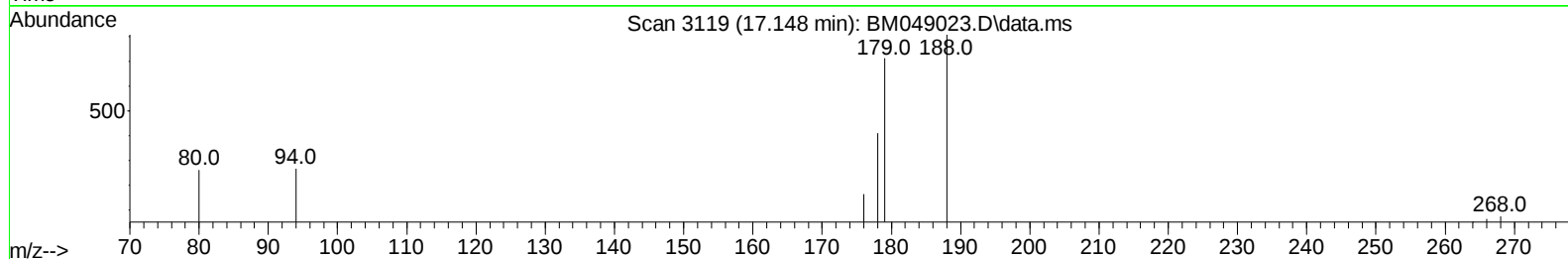
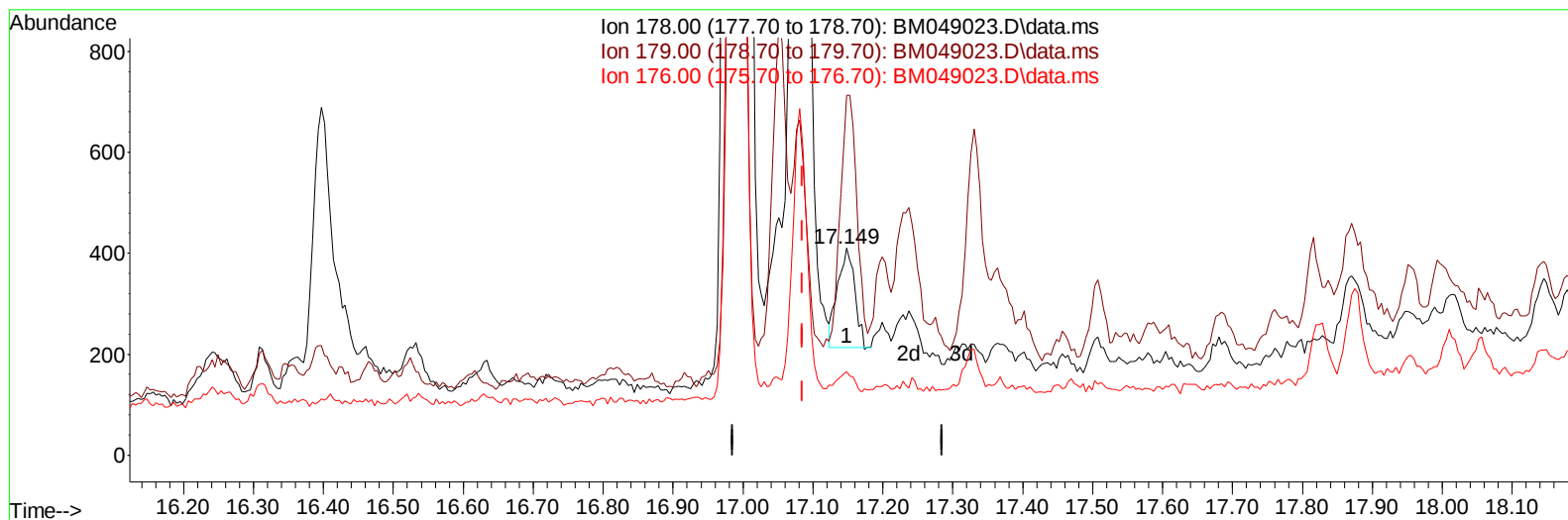
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049023.D
Acq On : 17 Dec 2024 15:50
Operator : RC/JU
Sample : P5155-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28T6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 16:19:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
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Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049023.D\data.ms

(16) Anthracene

17.148min (+ 0.063) 0.01 ng/u1

response 336

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	173.90#
176.00	18.80	40.24#
0.00	0.00	0.00

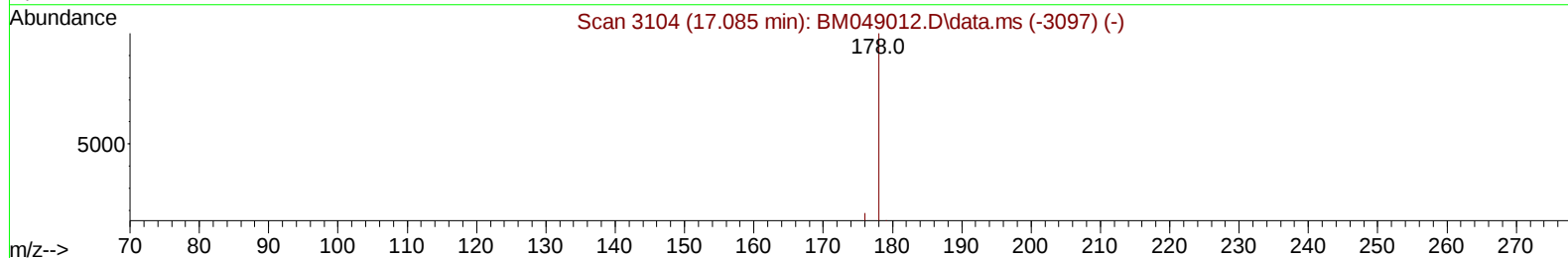
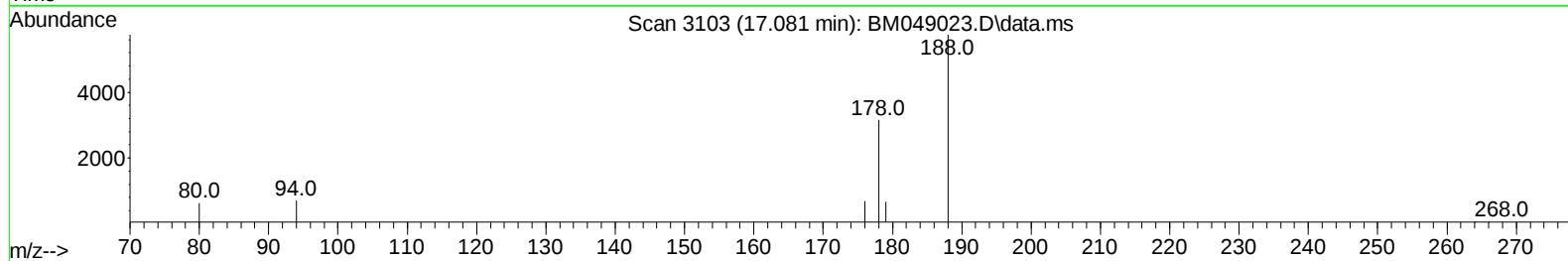
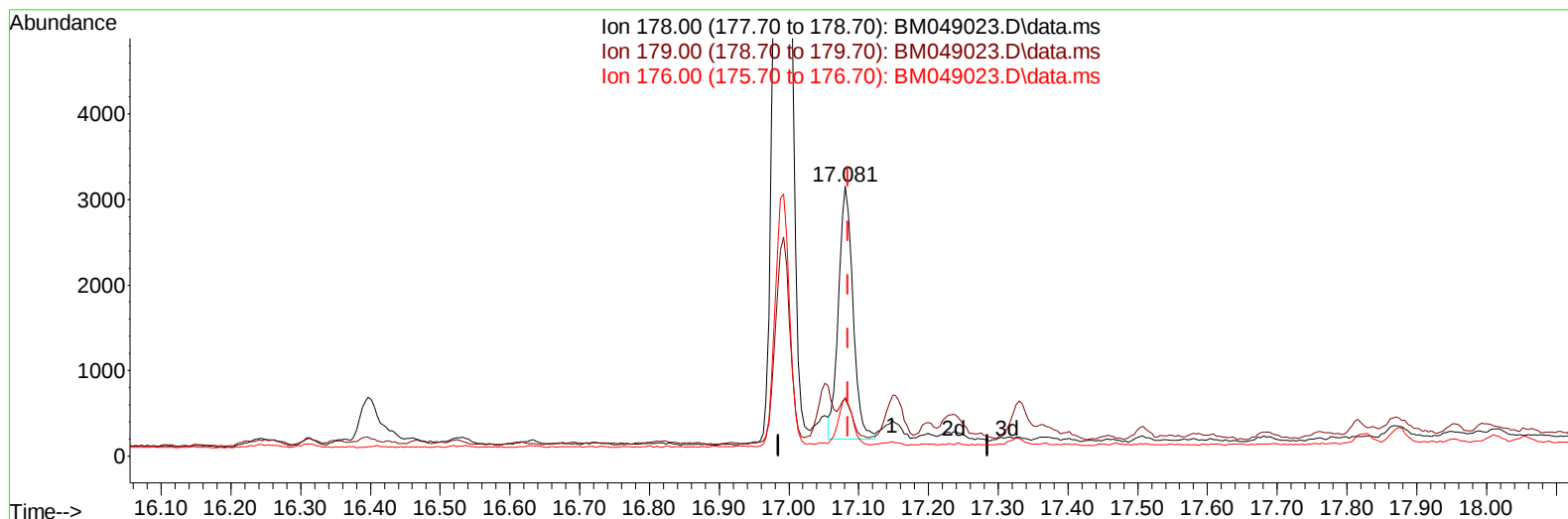
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049023.D
Acq On : 17 Dec 2024 15:50
Operator : RC/JU
Sample : P5155-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28T6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 16:19:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049023.D\data.ms

(16) Anthracene

17.081min (-0.004) 0.10 ng/ul m

response 4271

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	21.06#
176.00	18.80	21.79
0.00	0.00	0.00

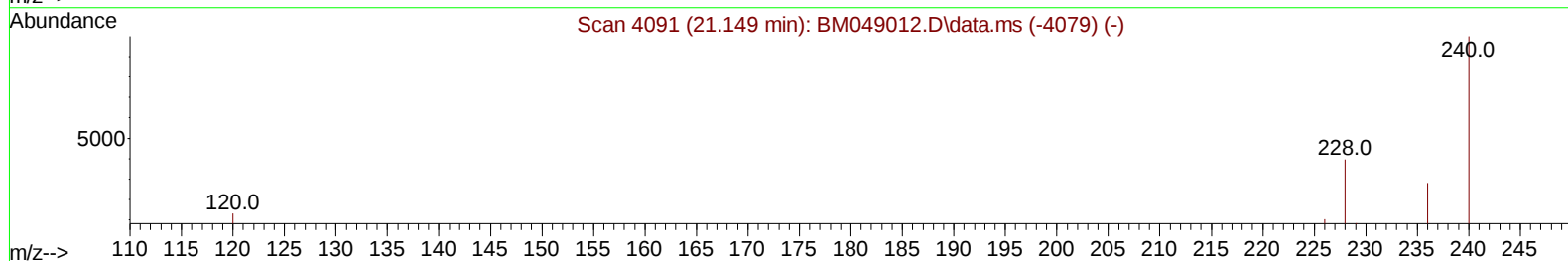
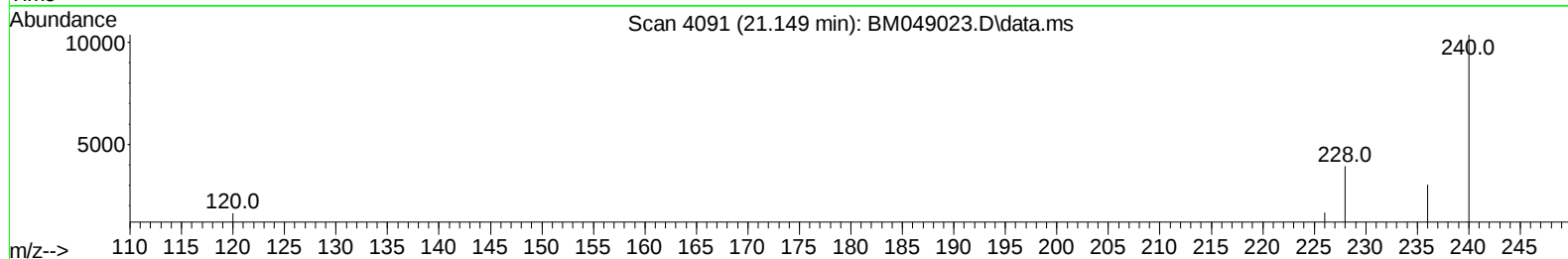
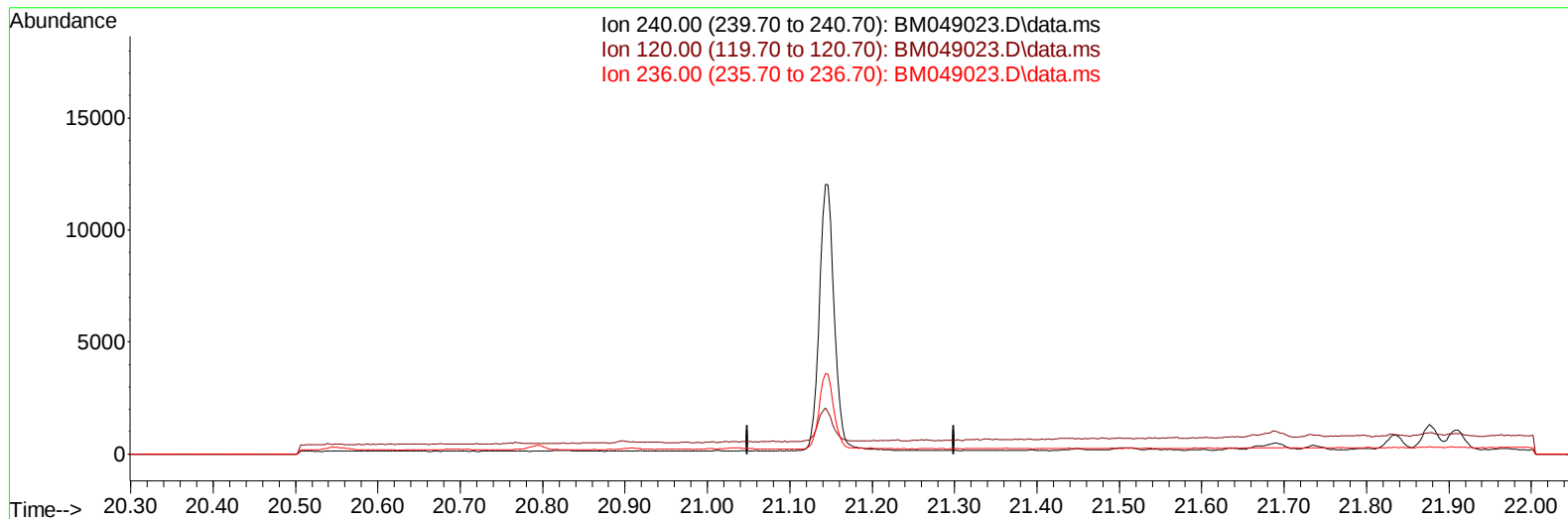
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049023.D
Acq On : 17 Dec 2024 15:50
Operator : RC/JU
Sample : P5155-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28T6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 16:19:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
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Reviewed By :Yogesh Patel 12/18/2024
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TIC: BM049023.D\data.ms

(17) Chrysene-d12

21.149min (-21.149) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	18.30	0.00#
236.00	30.50	0.00#
0.00	0.00	0.00

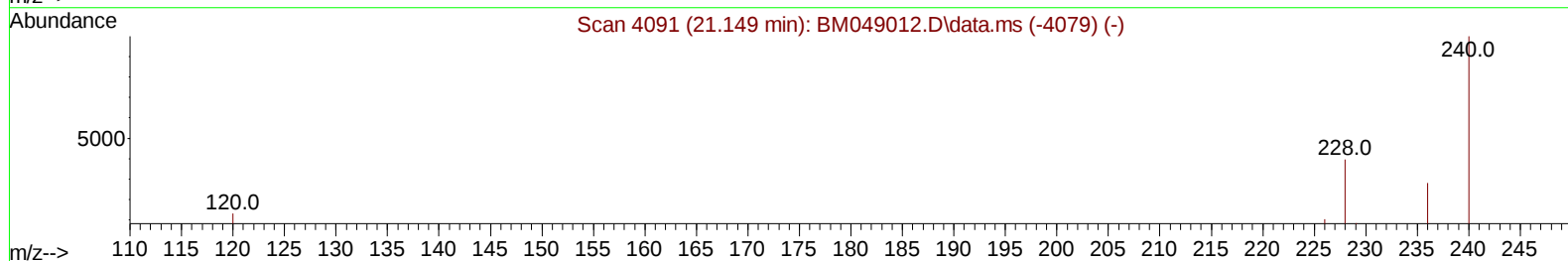
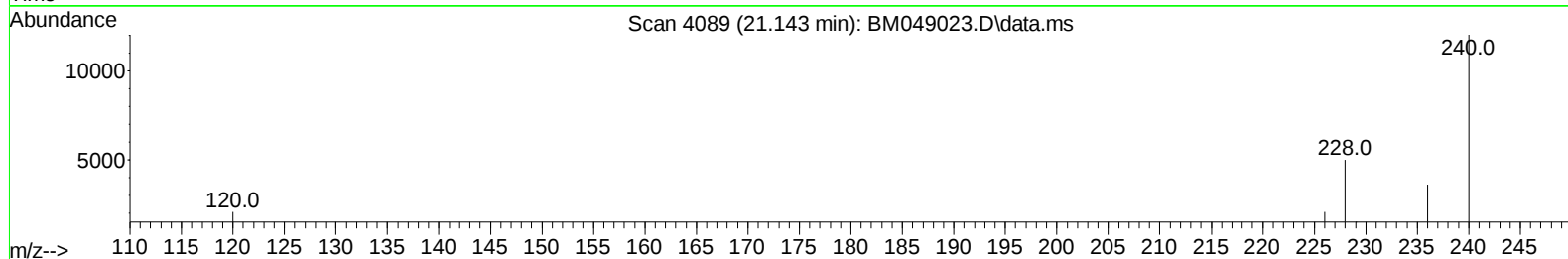
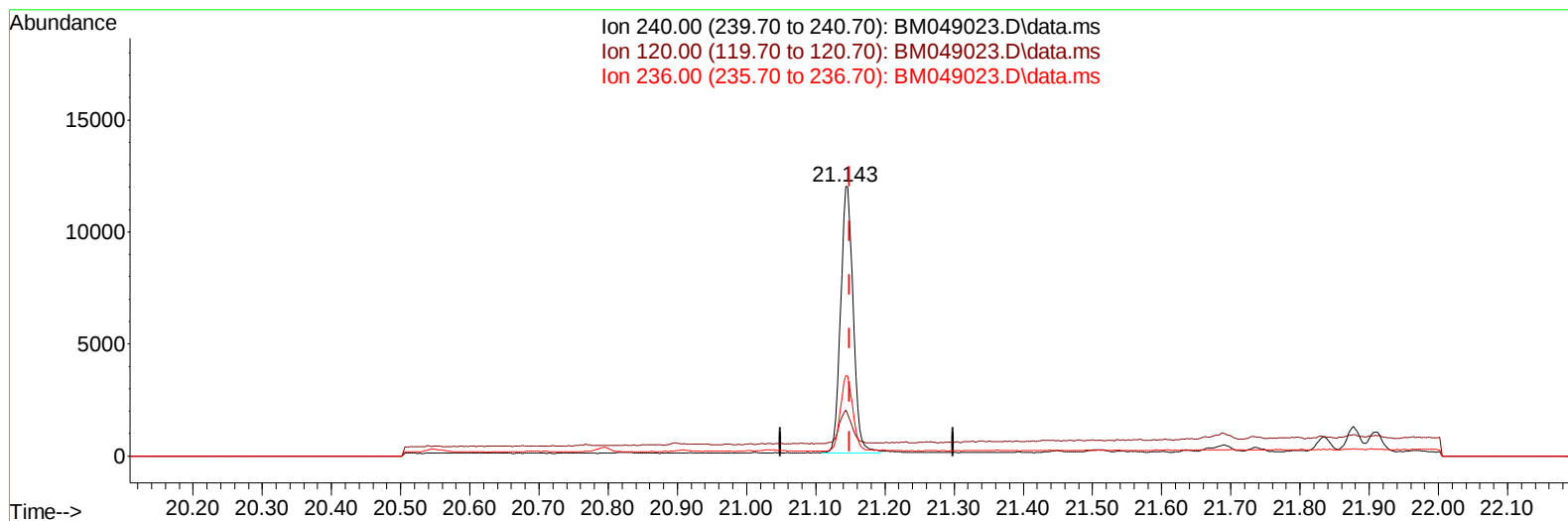
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049023.D
Acq On : 17 Dec 2024 15:50
Operator : RC/JU
Sample : P5155-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28T6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 16:19:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049023.D\data.ms

(17) Chrysene-d12

21.143min (-0.006) 0.40 ng/u1 m

response 14965

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.30	17.11
236.00	30.50	29.76
0.00	0.00	0.00

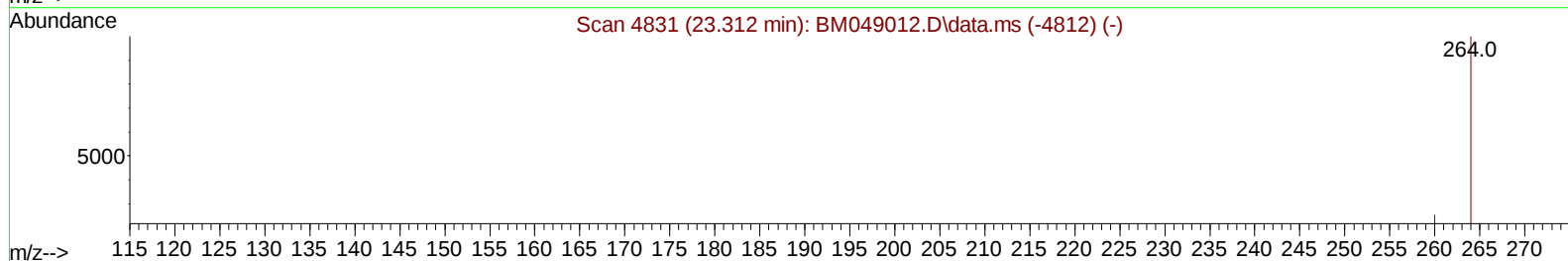
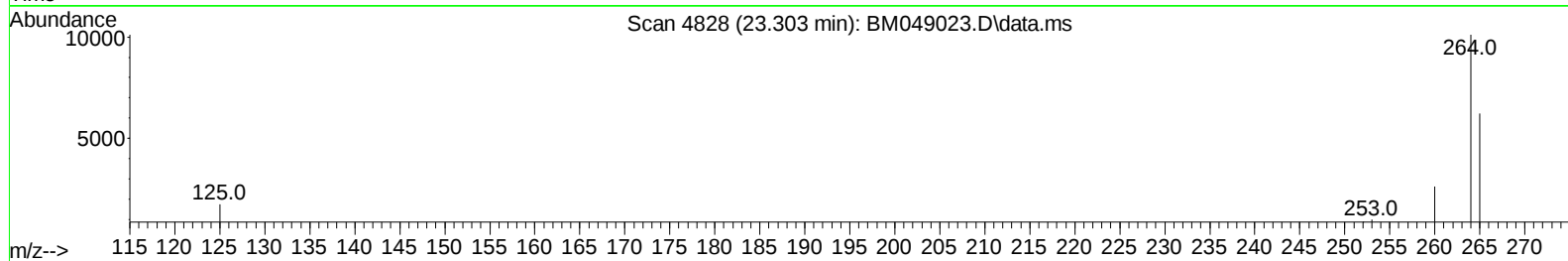
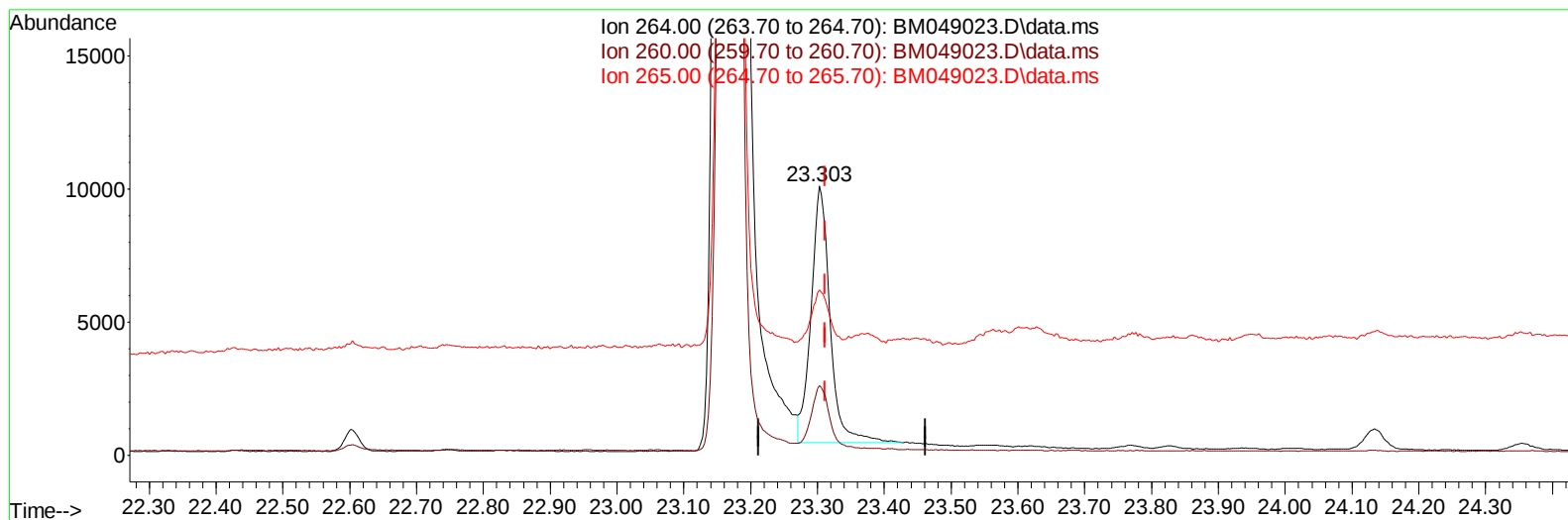
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049023.D
Acq On : 17 Dec 2024 15:50
Operator : RC/JU
Sample : P5155-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28T6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 16:19:16 2024
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Supervised By :mohammad ahmed 12/18/2024



TIC: BM049023.D\data.ms

(23) Perylene-d12 (I)

23.303min (-0.009) 0.40 ng/u1

response 18966

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.50	25.86
265.00	82.60	61.44#
0.00	0.00	0.00

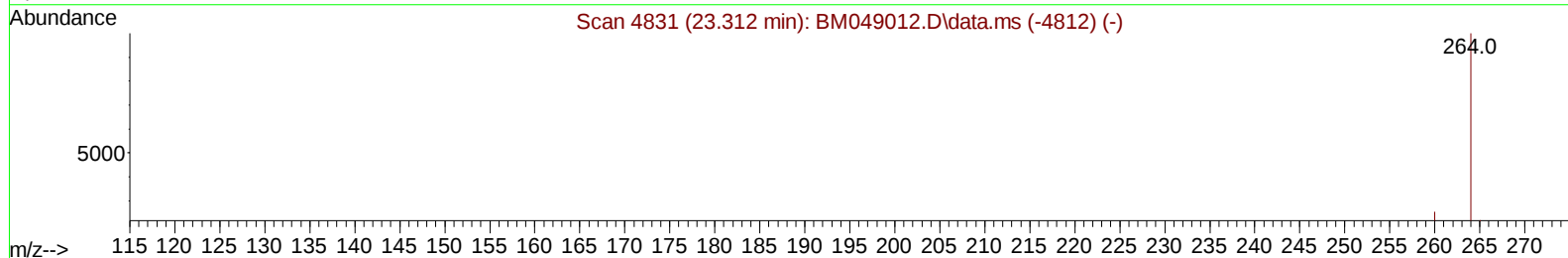
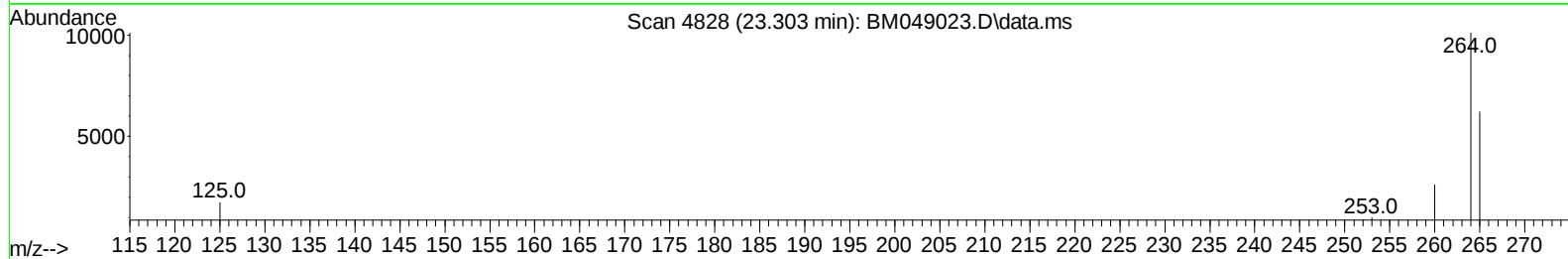
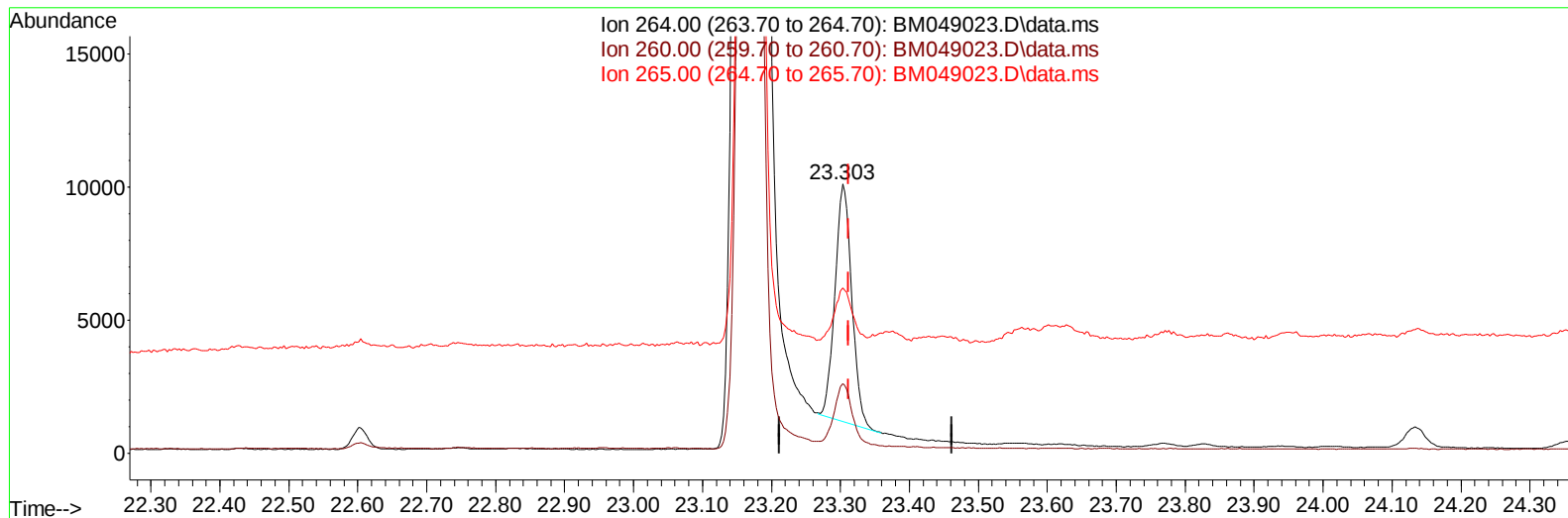
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049023.D
Acq On : 17 Dec 2024 15:50
Operator : RC/JU
Sample : P5155-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28T6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 16:19:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
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TIC: BM049023.D\data.ms

(23) Perylene-d12 (I)

23.303min (-0.009) 0.40 ng/ul m

response 15093

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.50	25.86
265.00	82.60	61.44#
0.00	0.00	0.00

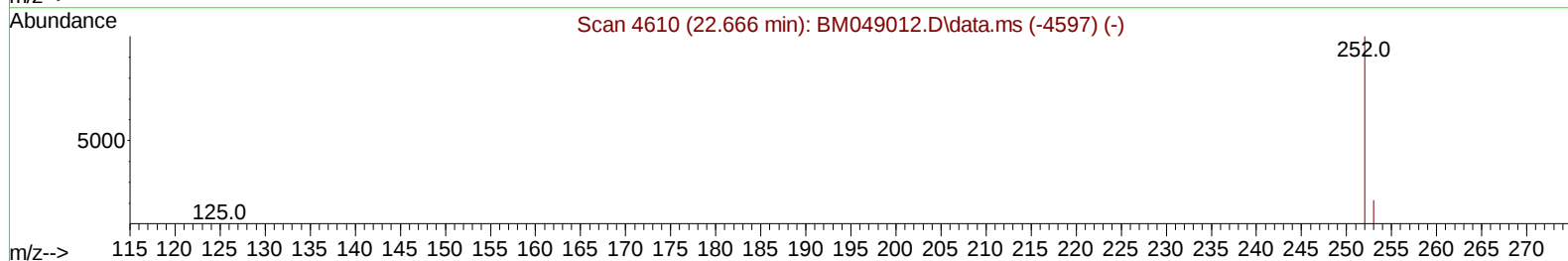
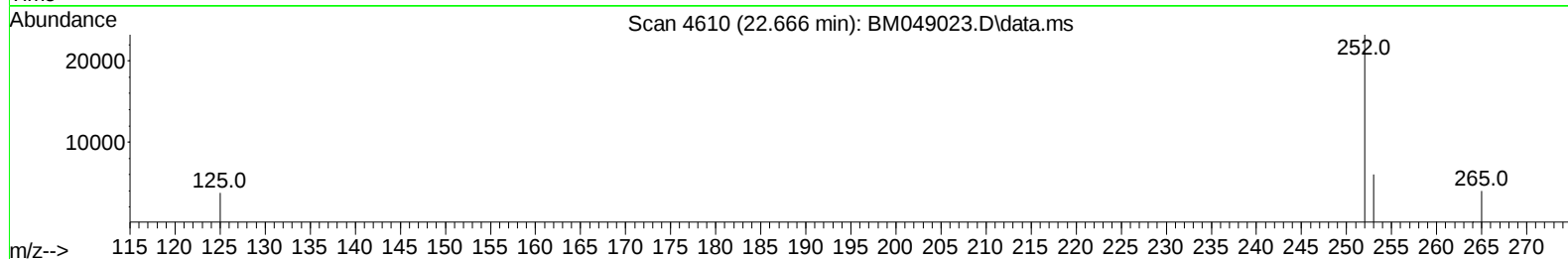
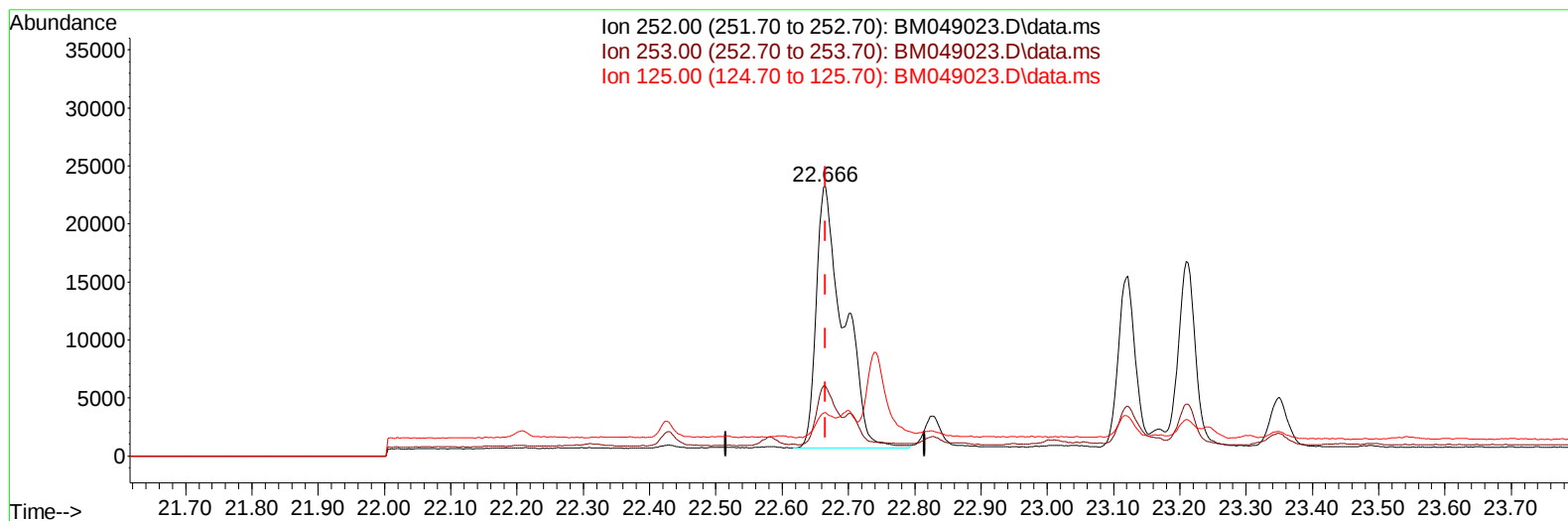
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049023.D
Acq On : 17 Dec 2024 15:50
Operator : RC/JU
Sample : P5155-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28T6

Manual IntegrationsAPPROVED

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TIC: BM049023.D\data.ms

(24) Benzo(b)fluoranthene

22.666min (+ 0.000) 1.24 ng/u1

response 64653

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.50	25.91
125.00	18.30	16.18
0.00	0.00	0.00

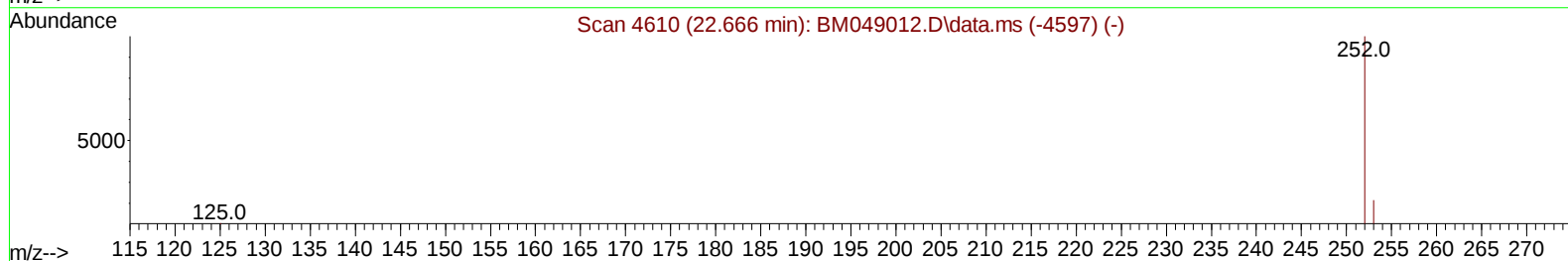
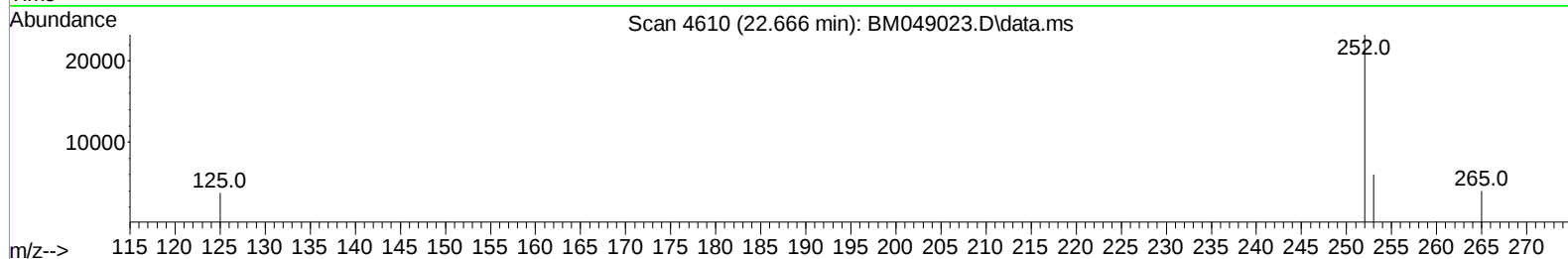
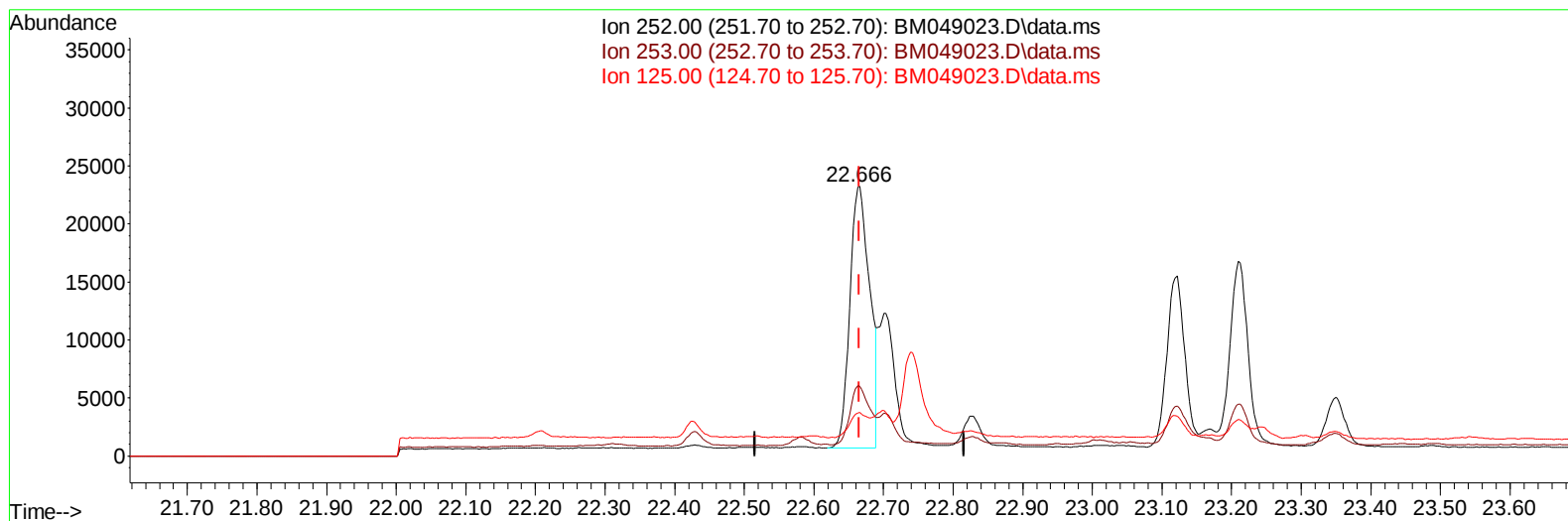
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049023.D
Acq On : 17 Dec 2024 15:50
Operator : RC/JU
Sample : P5155-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049023.D\data.ms

(24) Benzo(b)fluoranthene

22.666min (+ 0.000) 0.86 ng/u1 m

response 44884

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.50	25.91
125.00	18.30	16.18
0.00	0.00	0.00

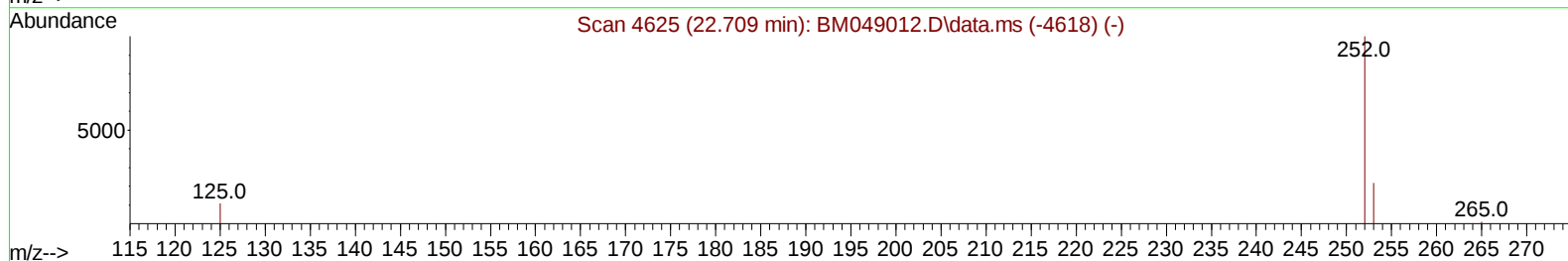
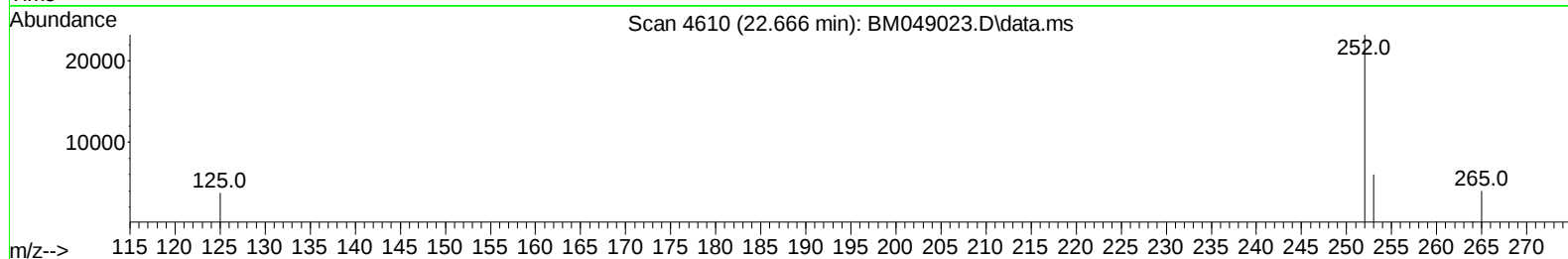
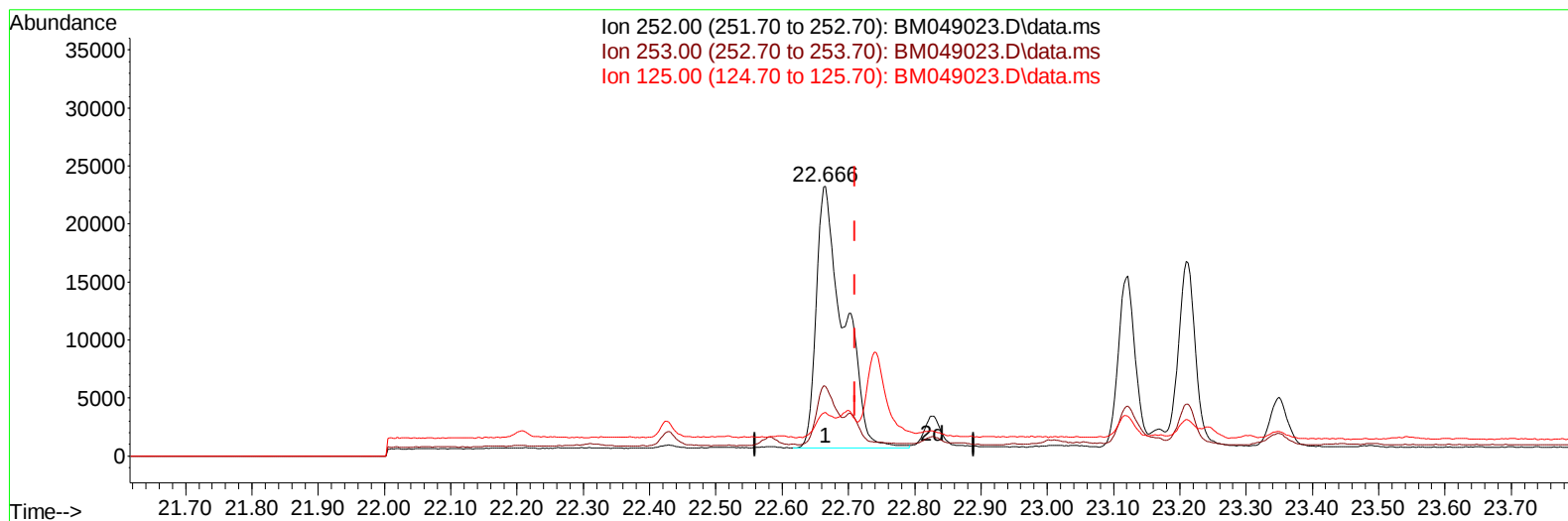
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049023.D
Acq On : 17 Dec 2024 15:50
Operator : RC/JU
Sample : P5155-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28T6

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049023.D\data.ms

(25) Benzo(k)fluoranthene

22.666min (-0.044) 1.07 ng/u1

response 64653

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.60	25.91
125.00	21.60	16.18#
0.00	0.00	0.00

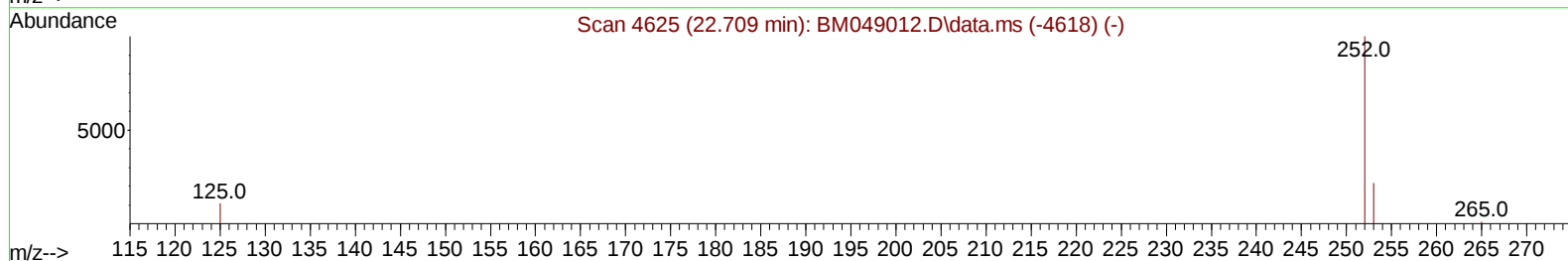
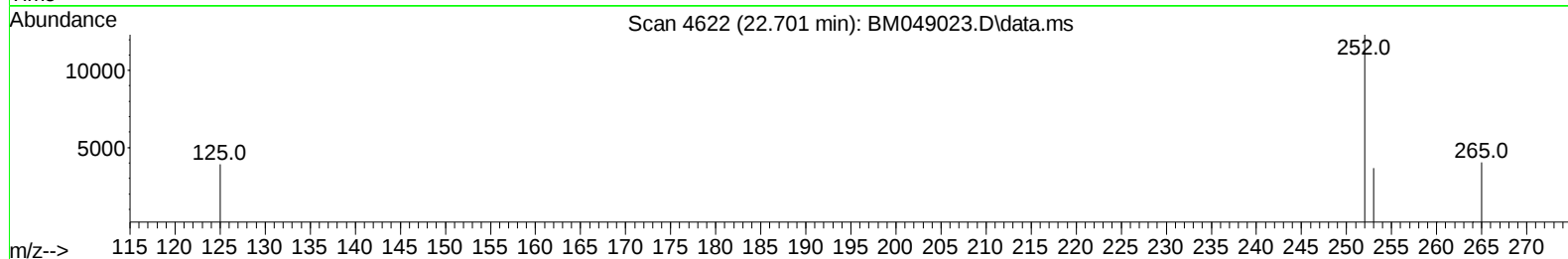
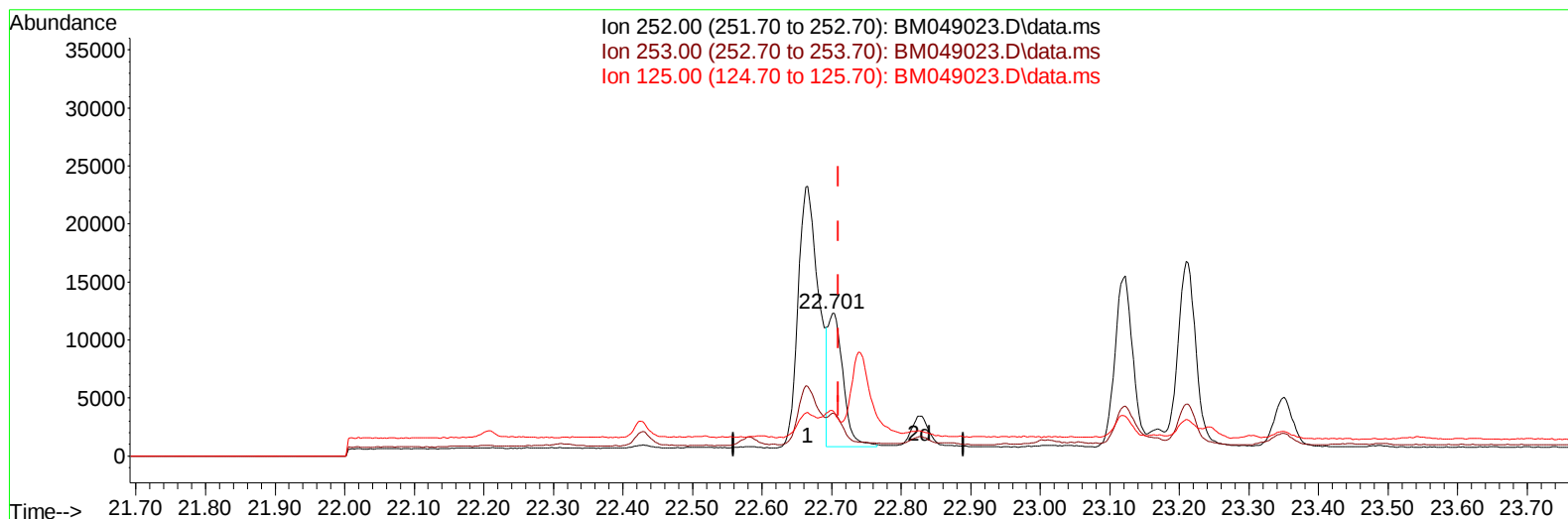
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049023.D
Acq On : 17 Dec 2024 15:50
Operator : RC/JU
Sample : P5155-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28T6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 16:19:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049023.D\data.ms

(25) Benzo(k)fluoranthene

22.701min (-0.009) 0.29 ng/u1 m

response 17358

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.60	29.89
125.00	21.60	31.68#
0.00	0.00	0.00

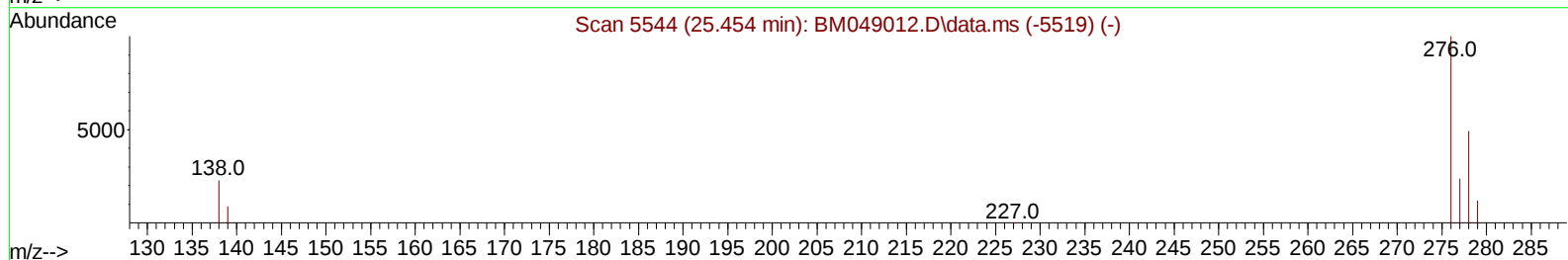
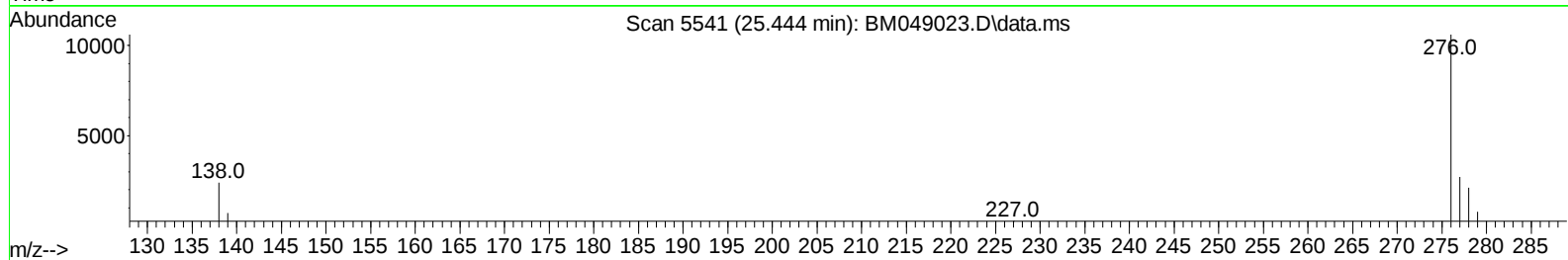
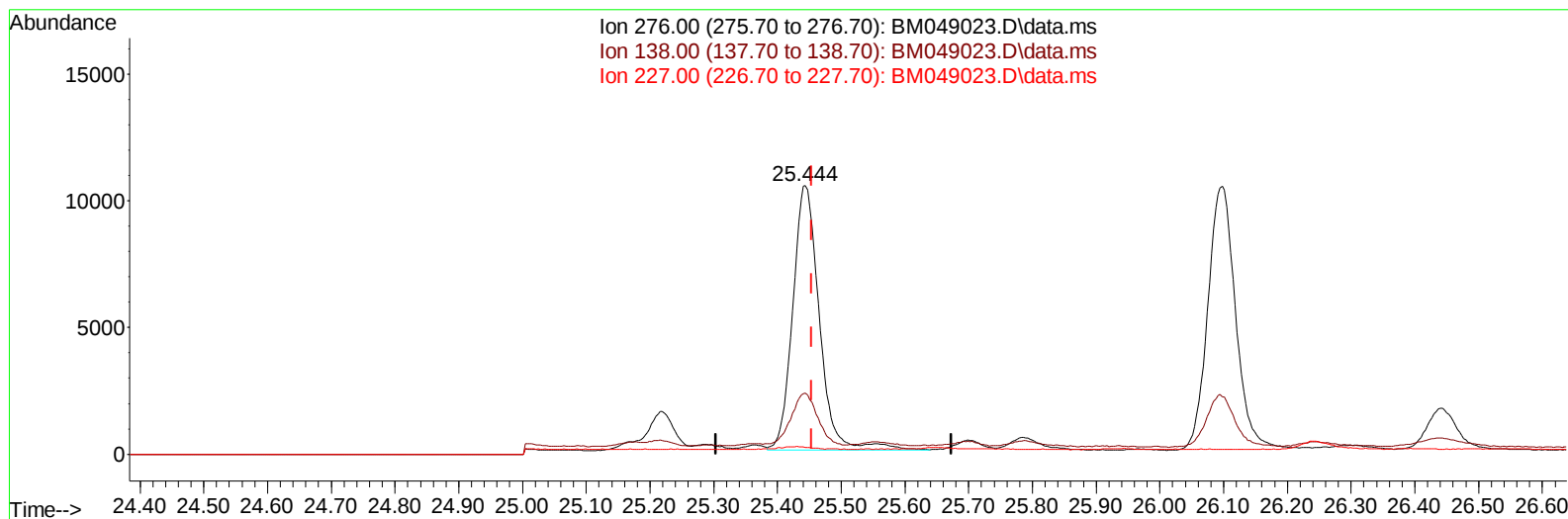
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049023.D
Acq On : 17 Dec 2024 15:50
Operator : RC/JU
Sample : P5155-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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TIC: BM049023.D\data.ms

(27) Indeno(1,2,3-cd)pyrene

25.444min (-0.010) 0.44 ng/u1

response 30121

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	27.60	20.06#
227.00	0.20	1.27#
0.00	0.00	0.00

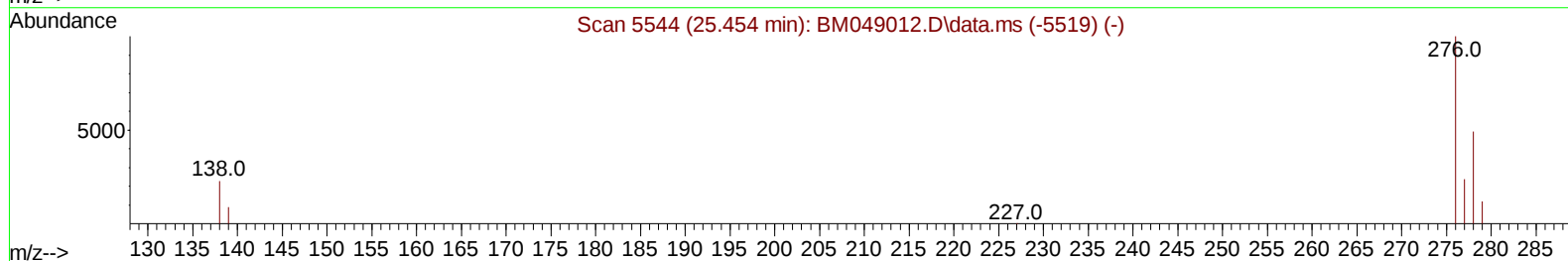
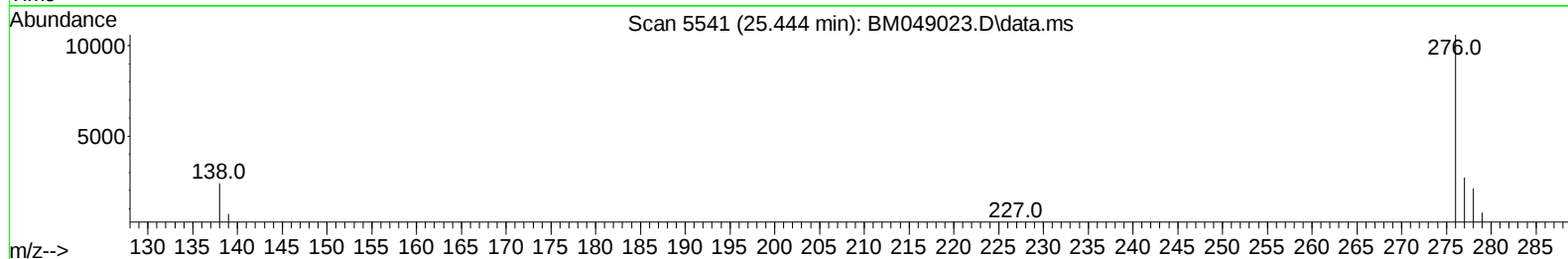
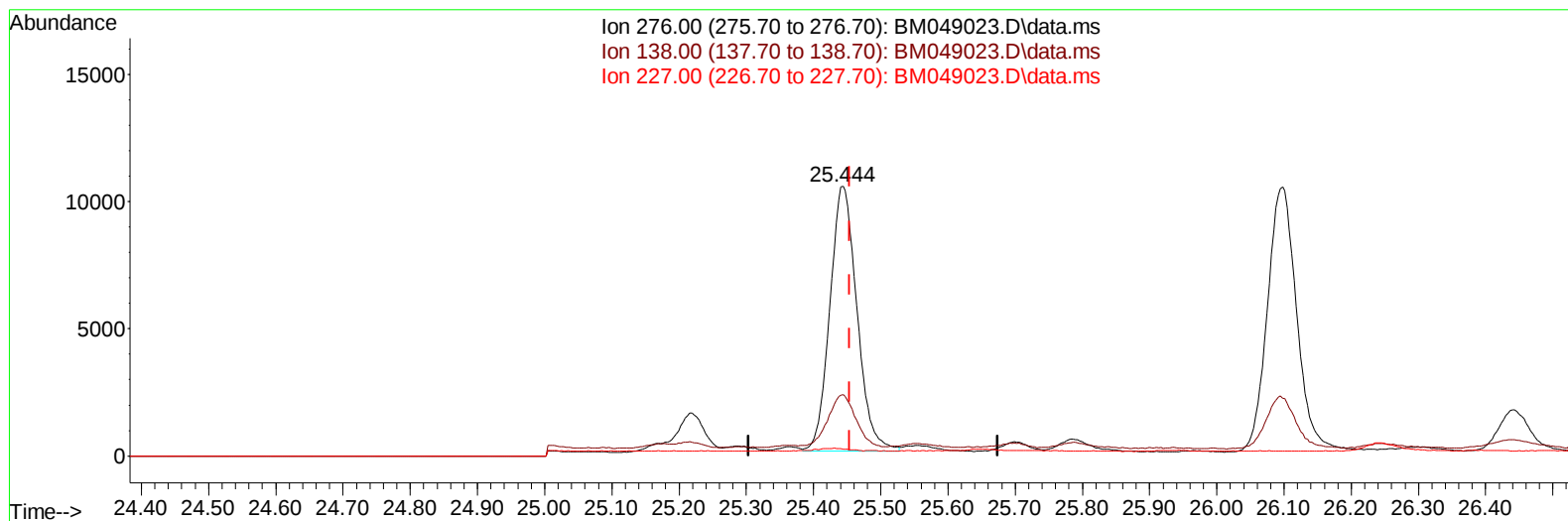
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049023.D
Acq On : 17 Dec 2024 15:50
Operator : RC/JU
Sample : P5155-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28T6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 16:19:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BM049023.D\data.ms

(27) Indeno(1,2,3-cd)pyrene

25.444min (-0.010) 0.43 ng/ul m

response 29312

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	27.60	20.62#
227.00	0.20	1.31#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
 Data File : BM049023.D
 Acq On : 17 Dec 2024 15:50
 Operator : RC/JU
 Sample : P5155-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28T6

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/18/2024
 Supervised By :mohammad ahmed 12/18/2024

Quant Time: Dec 17 16:19:16 2024
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 QLast Update : Tue Dec 17 10:03:27 2024
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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.569	152		5633	0.400	ng/ul	0.00
4) Naphthalene-d8	10.330	136		15780	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.205	164		8470	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.950	188		17749m	0.400	ng/ul	0.00
17) Chrysene-d12	21.143	240		14965m	0.400	ng/ul	0.00
23) Perylene-d12	23.303	264		15093m	0.400	ng/ul	0.00
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.156	96		18878	2.867	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.931	152		3841	0.191	ng/ul	0.00
18) Fluoranthene-d10	18.982	212		7462	0.167	ng/ul	0.00
Target Compounds							
							Qvalue
5) Naphthalene	10.380	128		7060	0.175	ng/ul	97
7) 2-Methylnaphthalene	12.002	142		2945	0.119	ng/ul	97
8) 1-Methylnaphthalene	12.228	142		1377	0.055	ng/ul	96
10) Acenaphthylene	13.923	152		2379	0.067	ng/ul#	90
11) Acenaphthene	14.265	153		589	0.022	ng/ul#	92
12) Fluorene	15.260	166		1224	0.041	ng/ul#	86
15) Phenanthrene	16.992	178		22103m	0.454	ng/ul	
16) Anthracene	17.081	178		4271m	0.098	ng/ul	
19) Fluoranthene	19.015	202		40014	0.645	ng/ul	95
20) Pyrene	19.377	202		38508	0.576	ng/ul	95
21) Benzo(a)anthracene	21.129	228		22034	0.418	ng/ul	97
22) Chrysene	21.181	228		29071	0.488	ng/ul	98
24) Benzo(b)fluoranthene	22.666	252		44884m	0.861	ng/ul	
25) Benzo(k)fluoranthene	22.701	252		17358m	0.288	ng/ul	
26) Benzo(a)pyrene	23.209	252		28793	0.597	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	25.444	276		29312m	0.433	ng/ul	
28) Dibenzo(a,h)anthracene	25.454	278		6718	0.127	ng/ul#	80
29) Benzo(g,h,i)perylene	26.098	276		32255	0.592	ng/ul	96

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

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ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
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Manual IntegrationsAPPROVED

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