

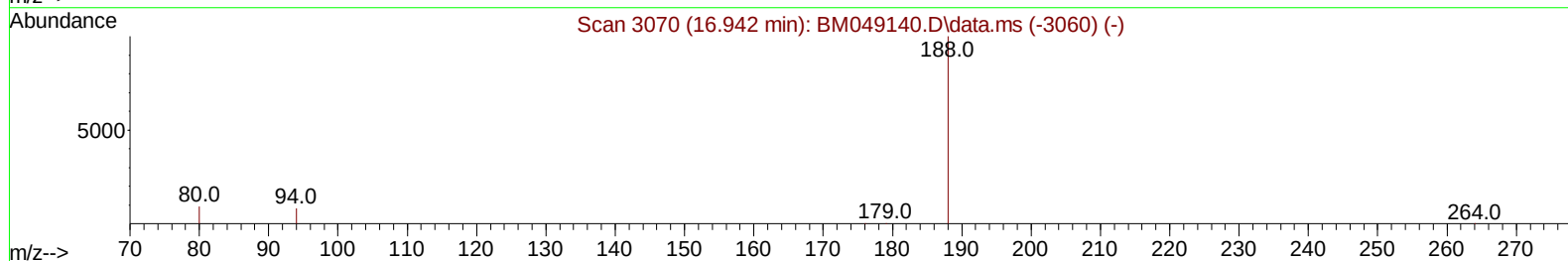
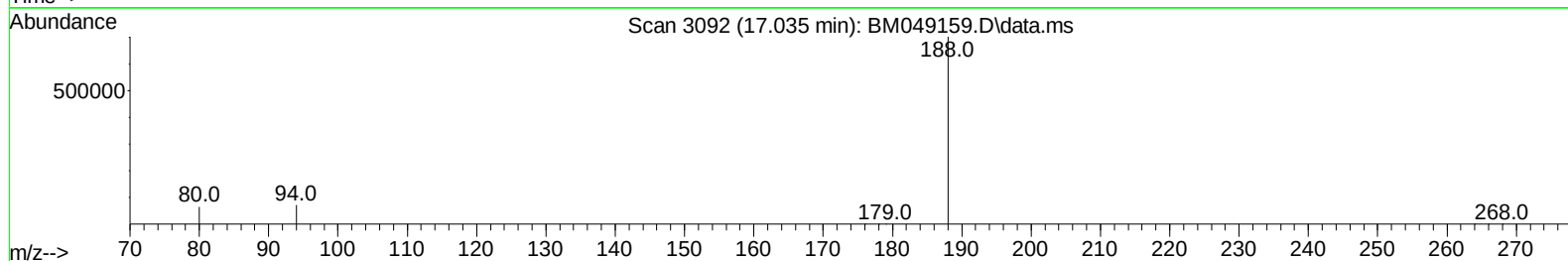
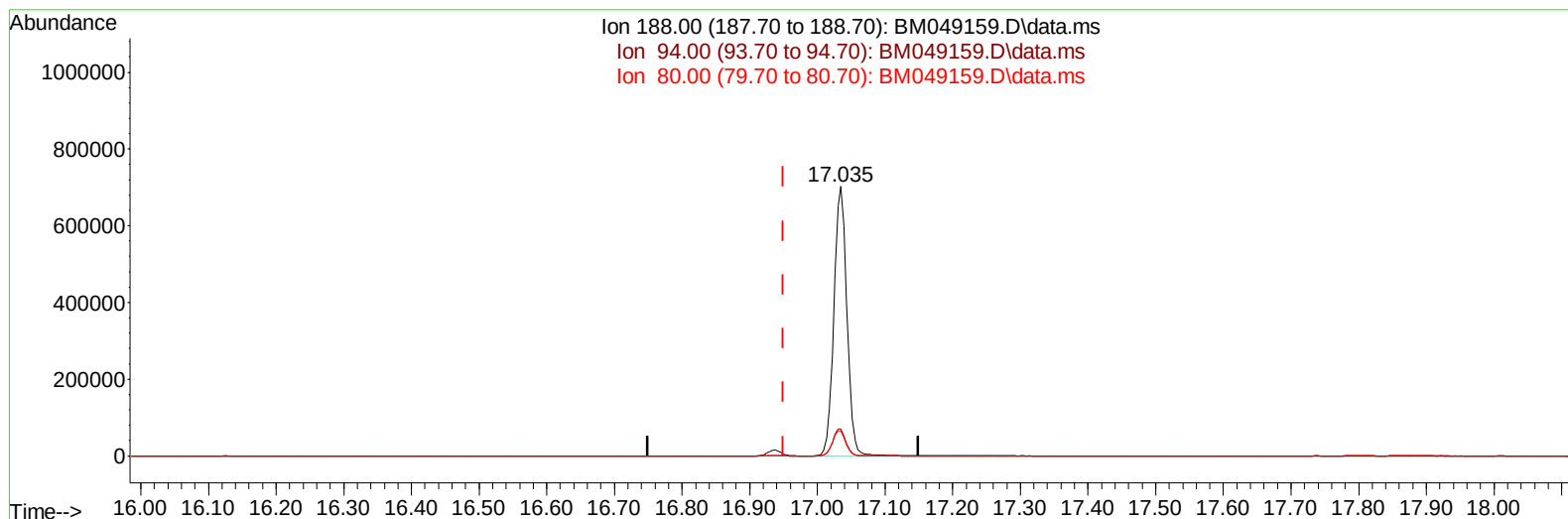
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049159.D
Acq On : 23 Dec 2024 23:19
Operator : RC/JU
Sample : P5333-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2904

Manual IntegrationsAPPROVED

Quant Time: Dec 24 00:04:11 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 :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049159.D\data.ms

(13) Phenanthrene-d10 (I)

17.035min (+ 0.085) 0.40 ng/u1

response 935509

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	10.15
80.00	10.70	9.31
0.00	0.00	0.00

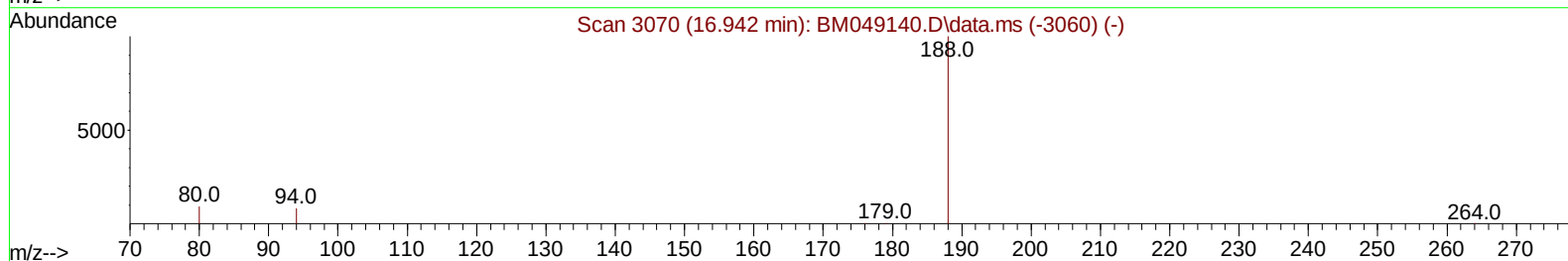
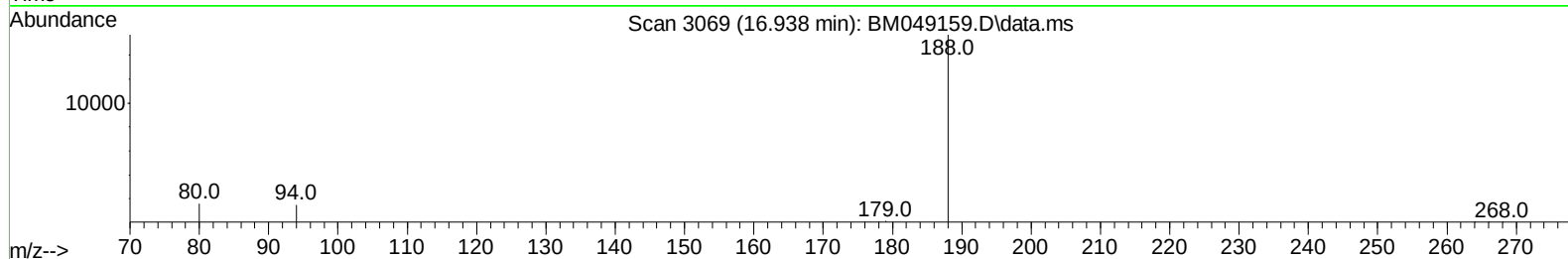
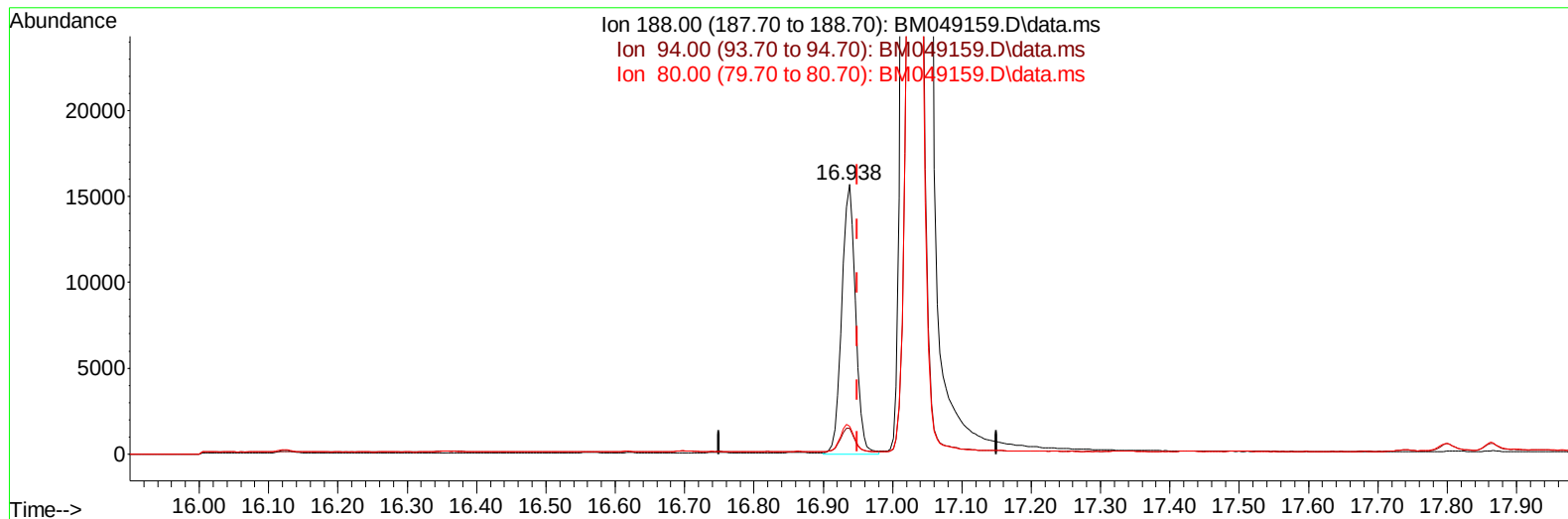
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049159.D
Acq On : 23 Dec 2024 23:19
Operator : RC/JU
Sample : P5333-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2904

Manual IntegrationsAPPROVED

Quant Time: Dec 24 00:04:11 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 :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049159.D\data.ms

(13) Phenanthrene-d10 (I)

16.938min (-0.012) 0.40 ng/ul m

response 21727

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	9.46
80.00	10.70	10.28
0.00	0.00	0.00

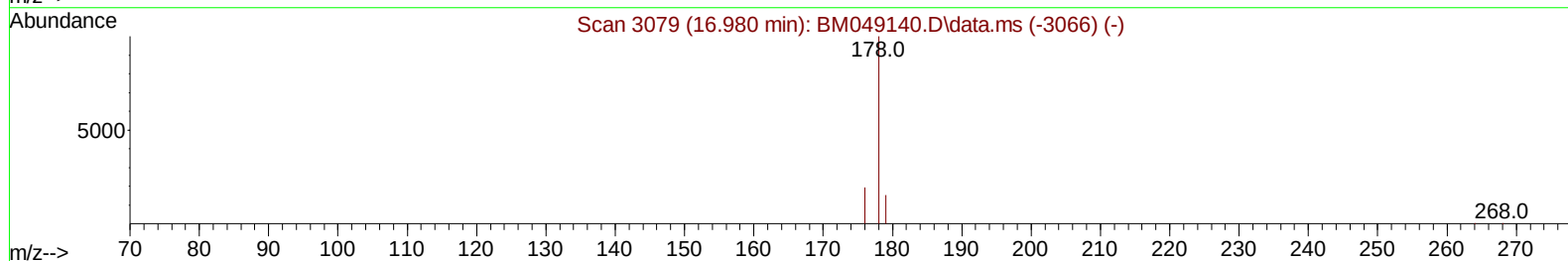
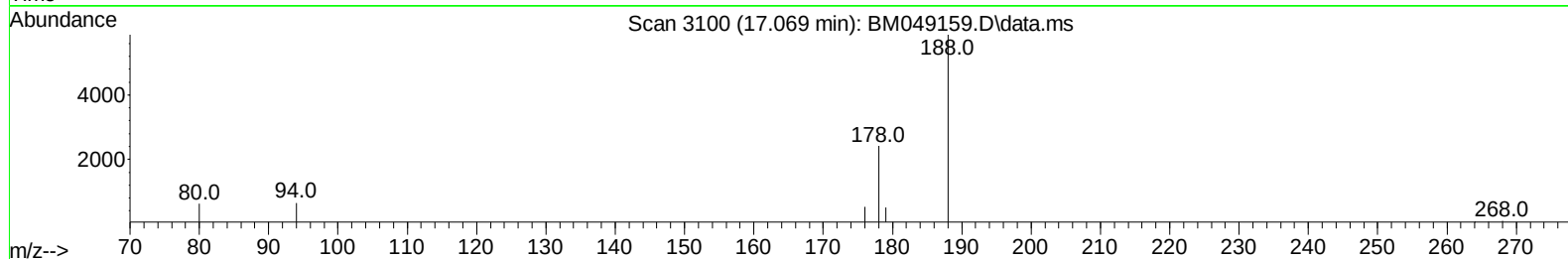
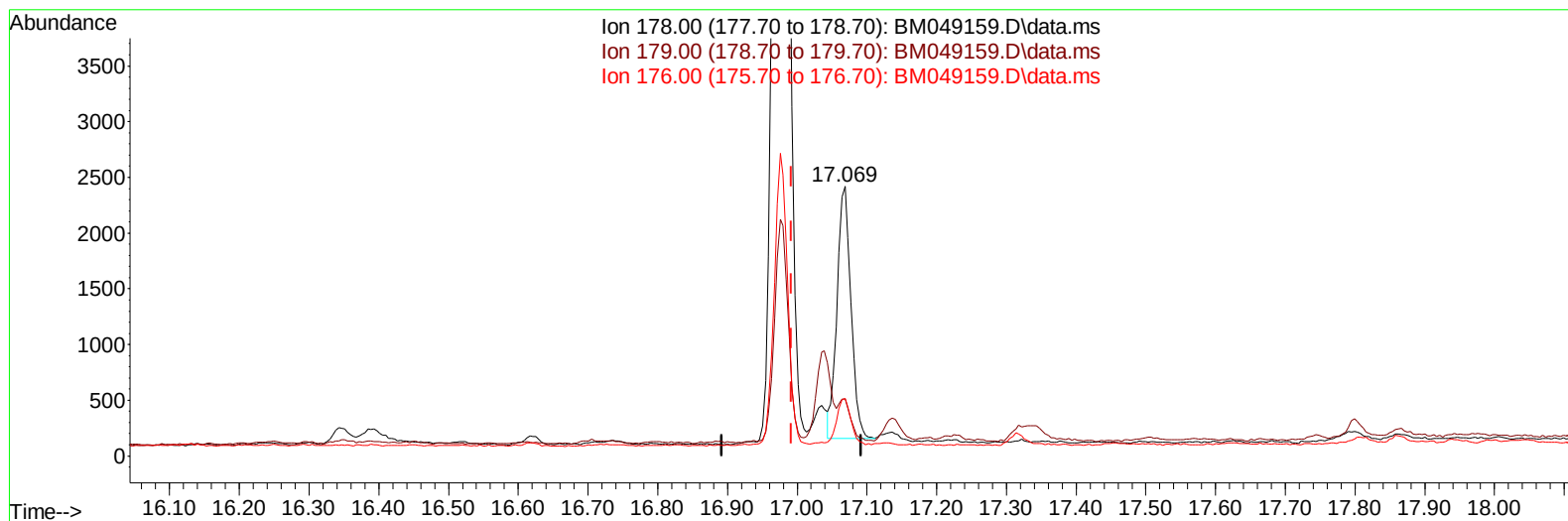
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049159.D
Acq On : 23 Dec 2024 23:19
Operator : RC/JU
Sample : P5333-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2904

Manual IntegrationsAPPROVED

Quant Time: Dec 24 00:04:11 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 :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049159.D\data.ms

(15) Phenanthrene

17.069min (+ 0.076) 0.06 ng/u1

response 3126

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	21.05#
176.00	20.20	21.42
0.00	0.00	0.00

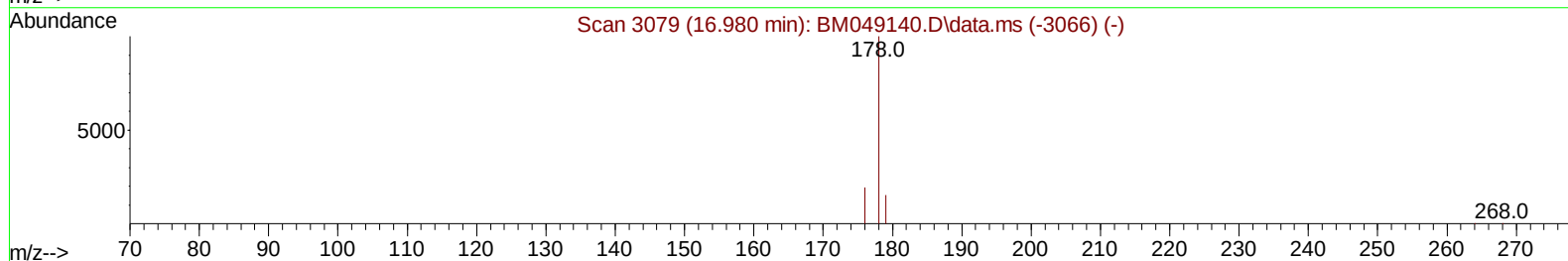
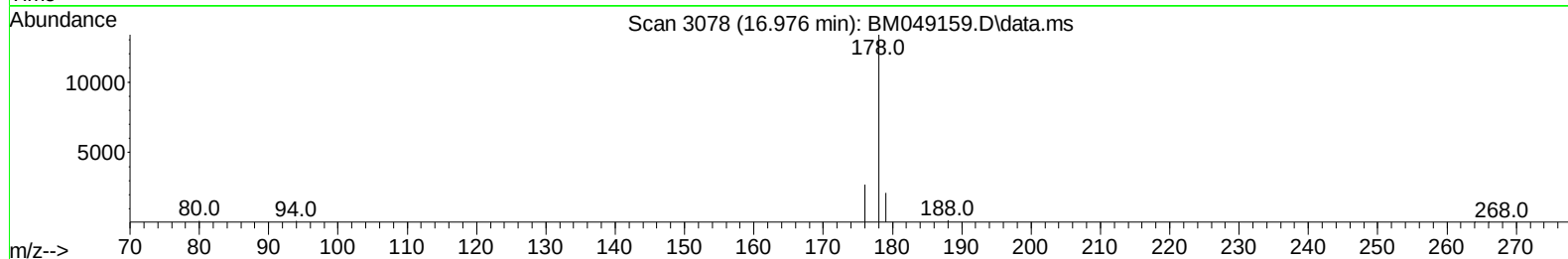
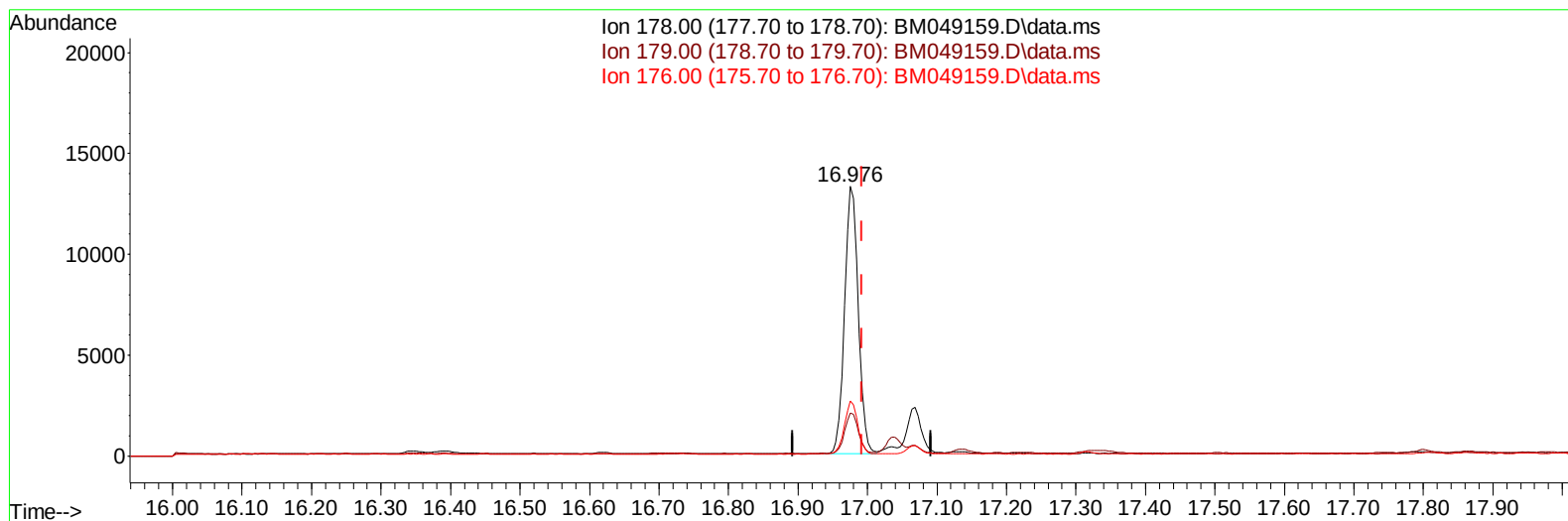
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049159.D
Acq On : 23 Dec 2024 23:19
Operator : RC/JU
Sample : P5333-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2904

Manual IntegrationsAPPROVED

Quant Time: Dec 24 00:04:11 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 :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049159.D\data.ms

(15) Phenanthrene

16.976min (-0.016) 0.32 ng/ul m

response 18107

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	15.87
176.00	20.20	20.34
0.00	0.00	0.00

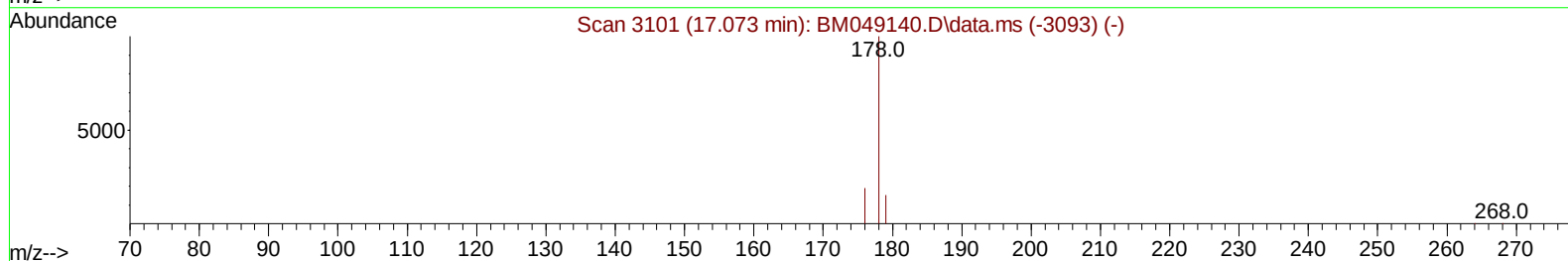
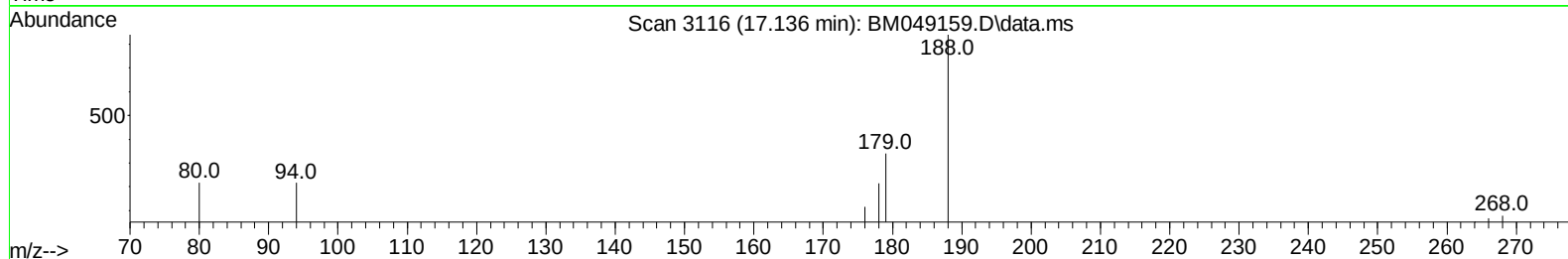
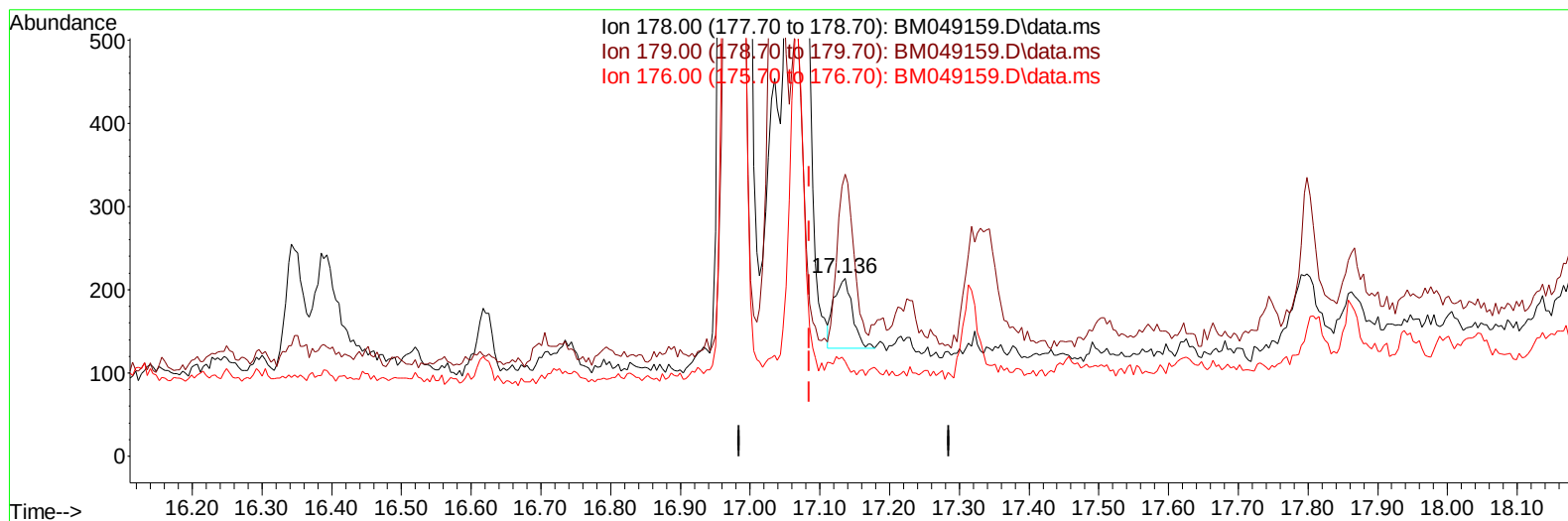
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049159.D
Acq On : 23 Dec 2024 23:19
Operator : RC/JU
Sample : P5333-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2904

Manual IntegrationsAPPROVED

Quant Time: Dec 24 00:04:11 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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Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049159.D\data.ms

(16) Anthracene

17.136min (+ 0.051) 0.00 ng/u1

response 153

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	158.41#
176.00	19.10	53.27#
0.00	0.00	0.00

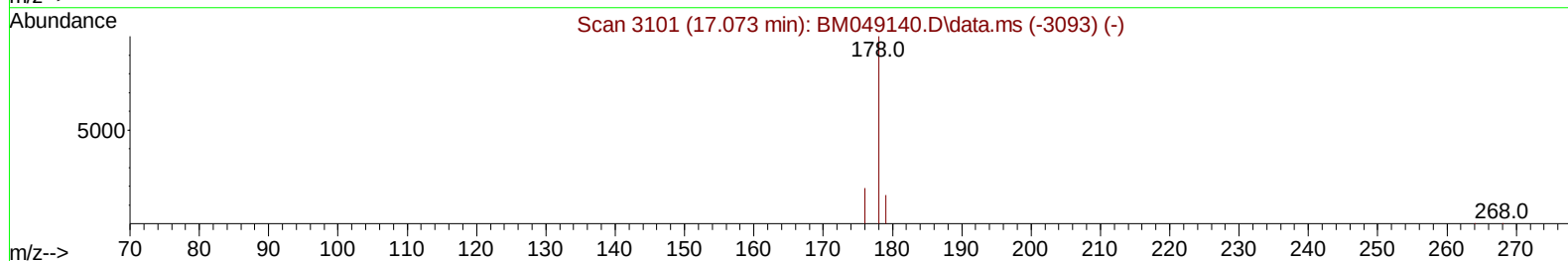
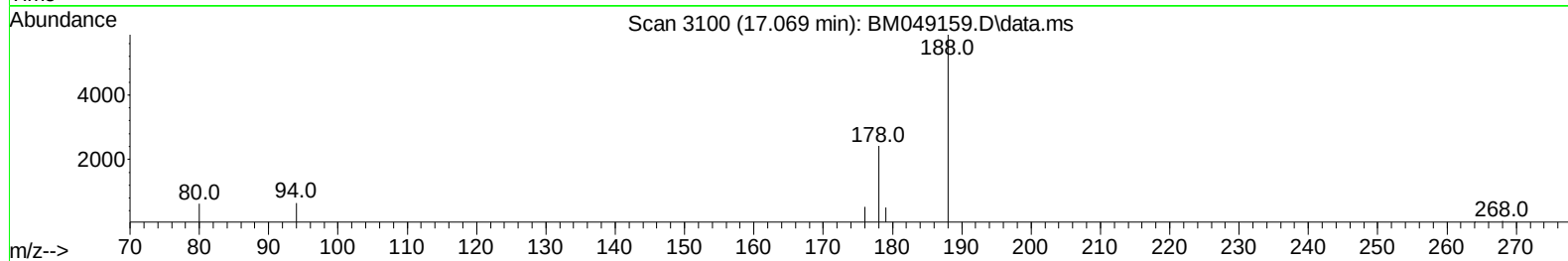
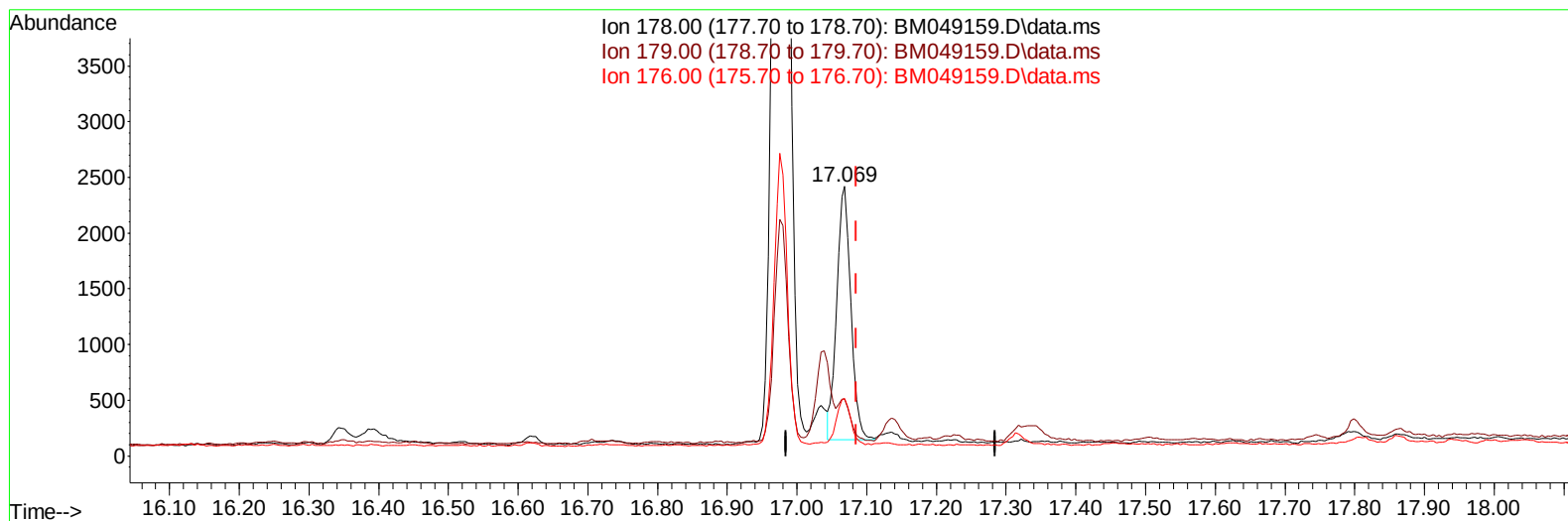
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049159.D
Acq On : 23 Dec 2024 23:19
Operator : RC/JU
Sample : P5333-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2904

Manual IntegrationsAPPROVED

Quant Time: Dec 24 00:04:11 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 :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049159.D\data.ms

(16) Anthracene

17.069min (-0.017) 0.06 ng/ul m

response 3163

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	21.05#
176.00	19.10	21.42
0.00	0.00	0.00

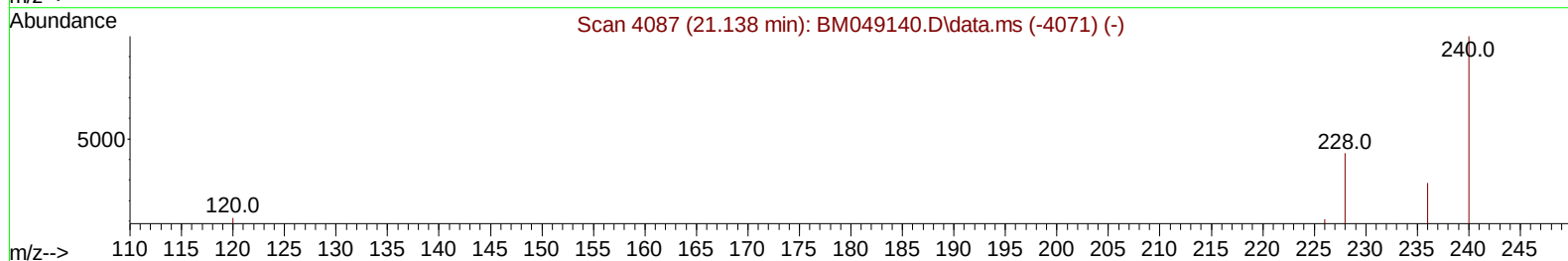
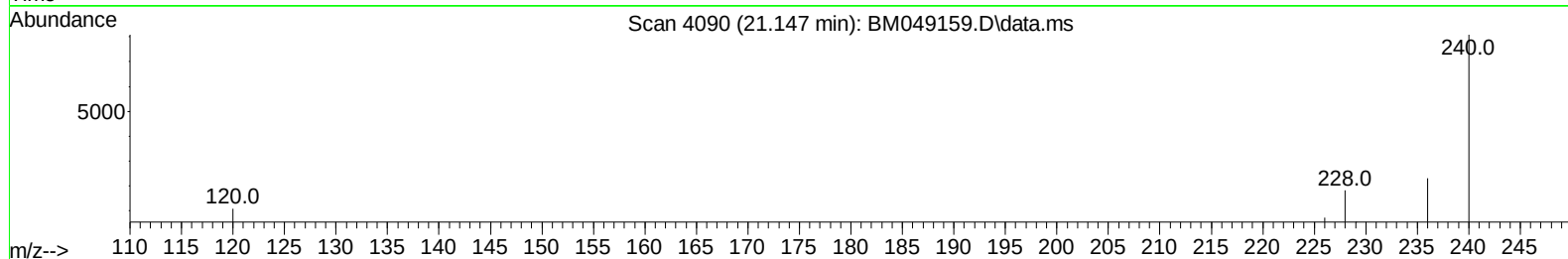
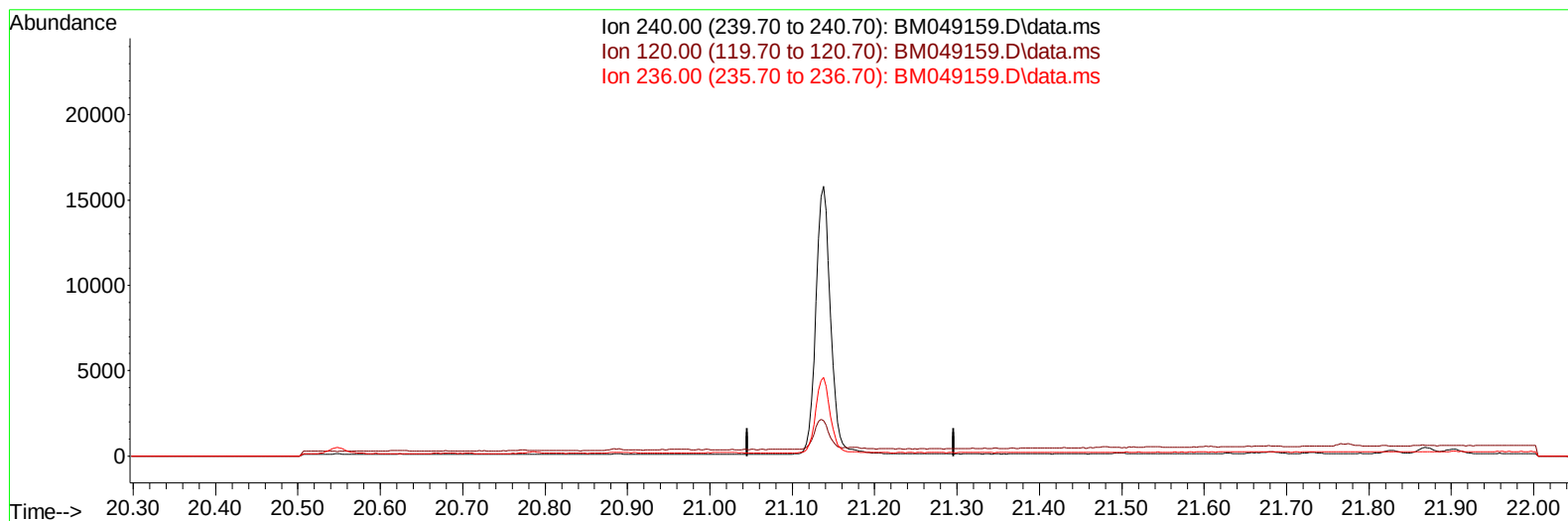
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049159.D
Acq On : 23 Dec 2024 23:19
Operator : RC/JU
Sample : P5333-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2904

Manual IntegrationsAPPROVED

Quant Time: Dec 24 00:04:11 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 :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049159.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

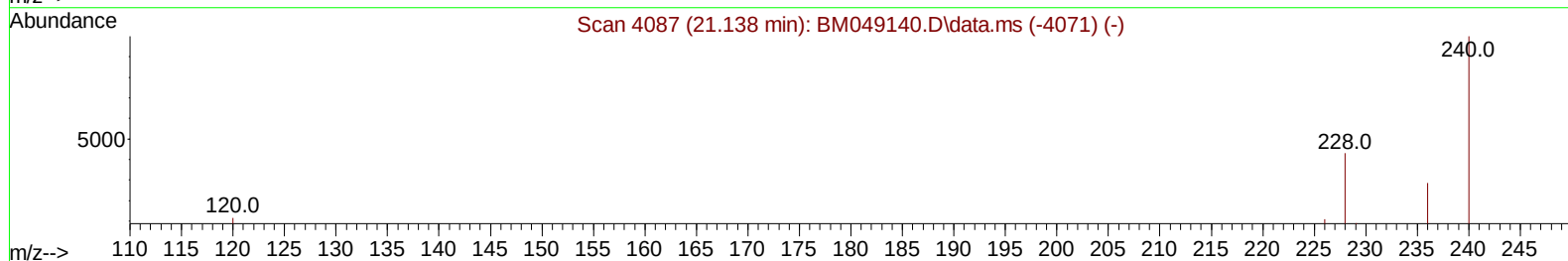
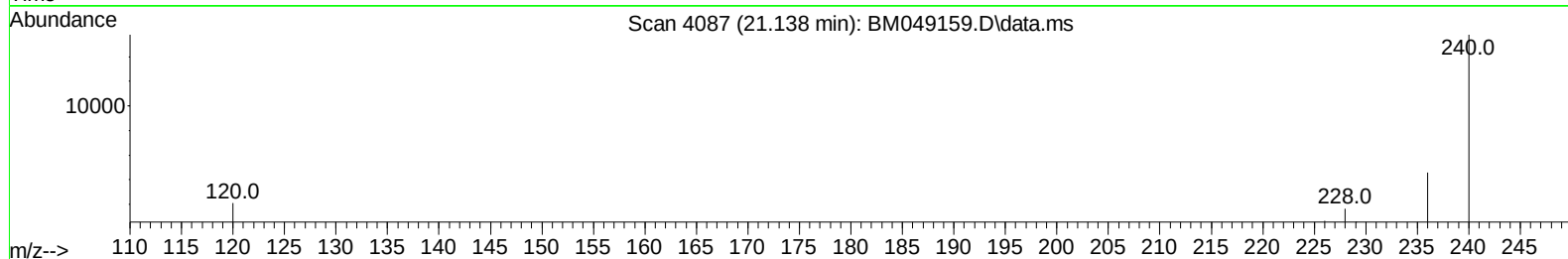
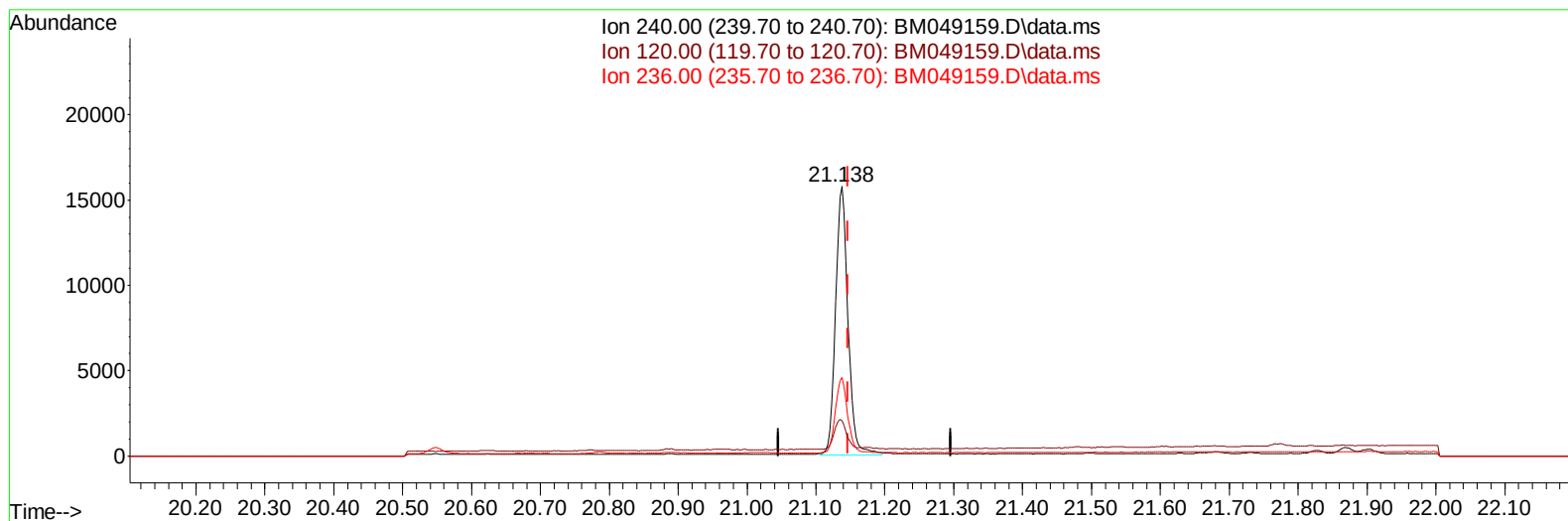
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049159.D
Acq On : 23 Dec 2024 23:19
Operator : RC/JU
Sample : P5333-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2904

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 24 00:04:11 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: BM049159.D\data.ms

(17) Chrysene-d12

21.138min (-0.008) 0.40 ng/ul m

response 19800

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	14.50	13.18
236.00	29.80	29.19
0.00	0.00	0.00

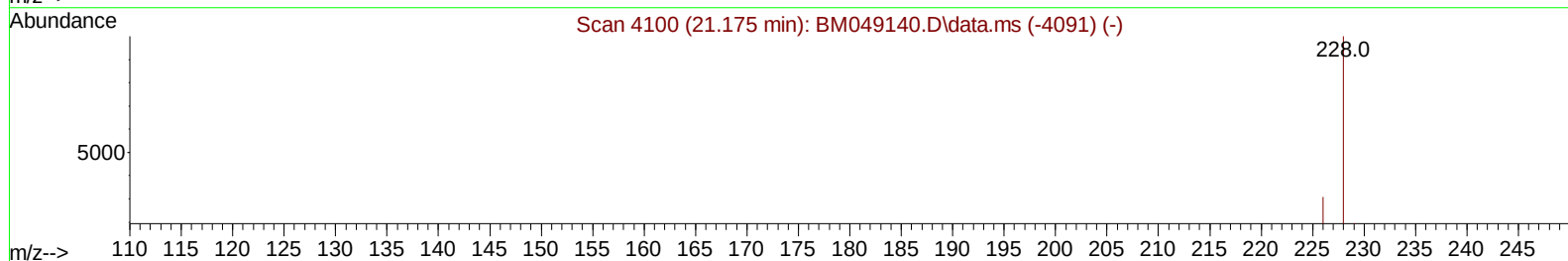
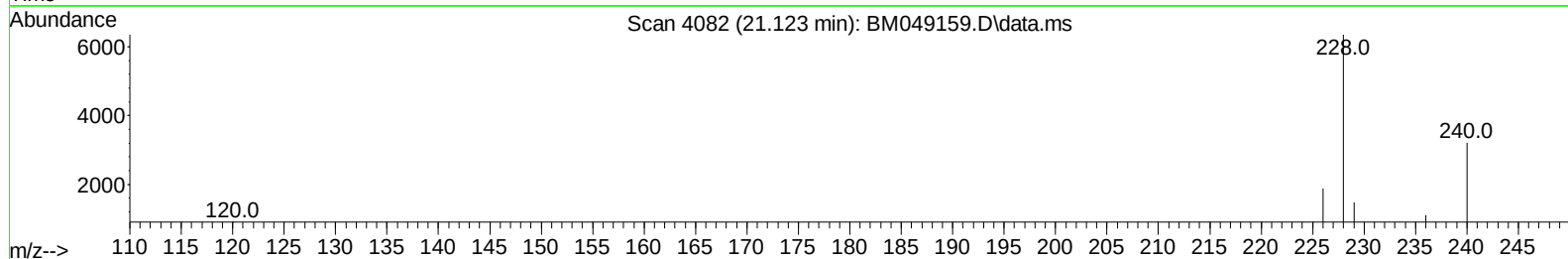
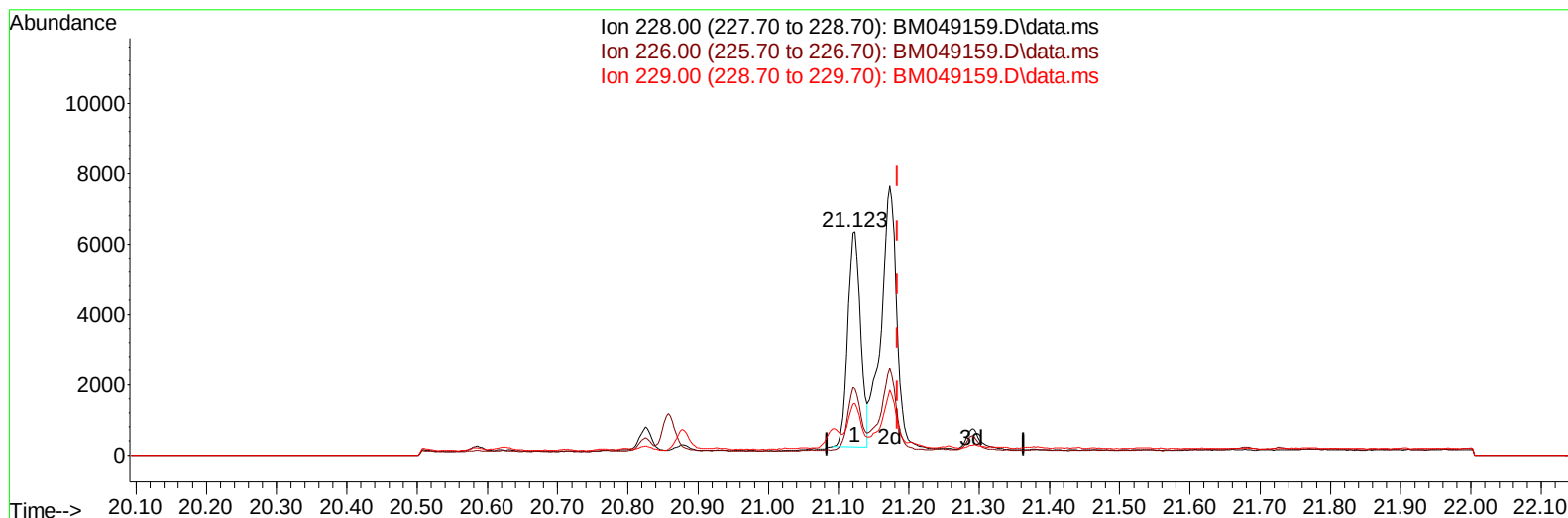
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049159.D
Acq On : 23 Dec 2024 23:19
Operator : RC/JU
Sample : P5333-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2904

Manual IntegrationsAPPROVED

Quant Time: Dec 24 00:04:11 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 12/26/2024



TIC: BM049159.D\data.ms

(22) Chrysene

21.123min (-0.061) 0.11 ng/u1

response 7789

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.10	29.75
229.00	19.80	23.20
0.00	0.00	0.00

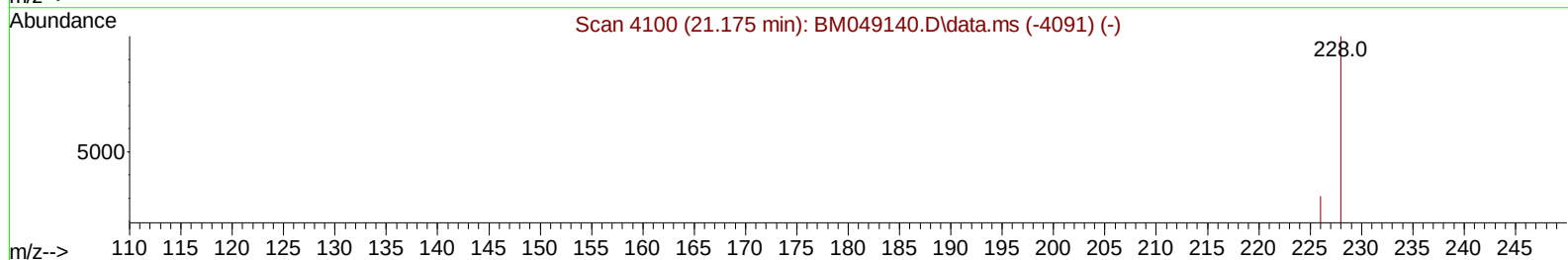
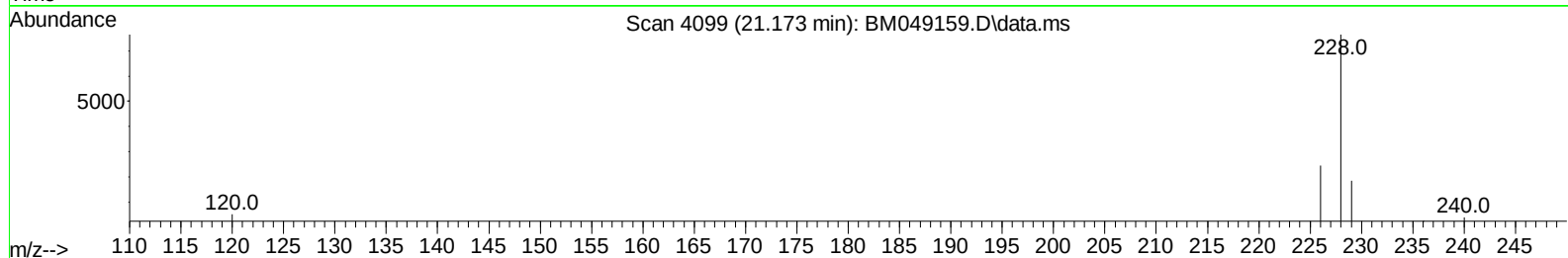
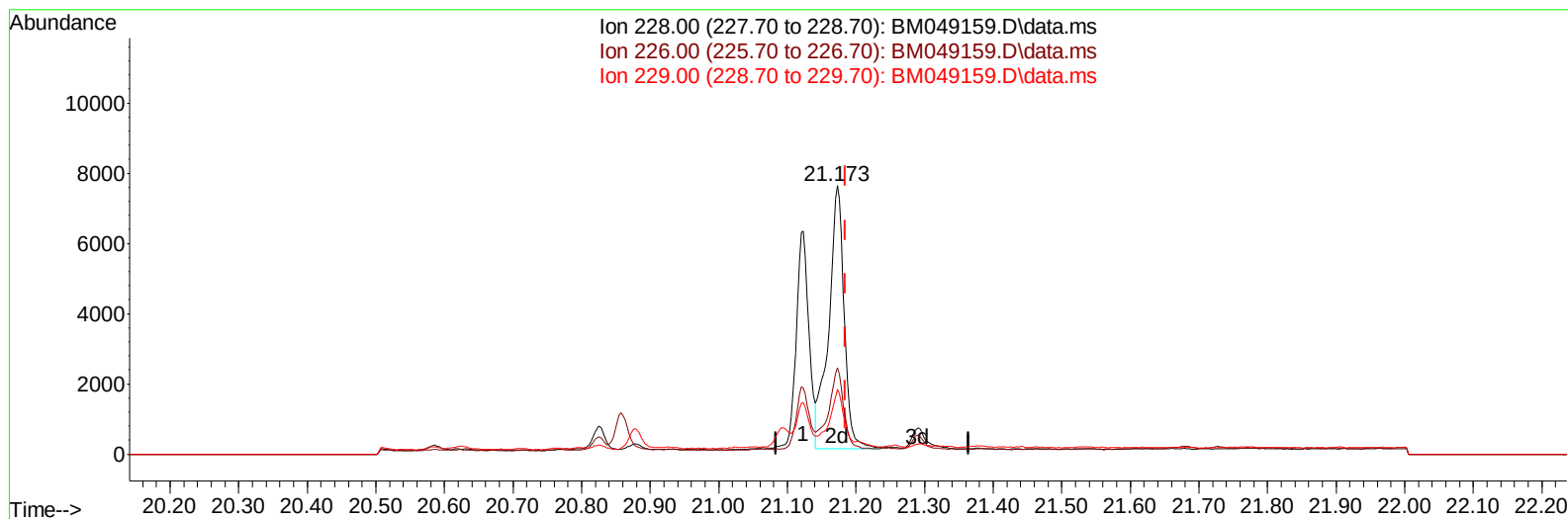
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049159.D
Acq On : 23 Dec 2024 23:19
Operator : RC/JU
Sample : P5333-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2904

Manual IntegrationsAPPROVED

Quant Time: Dec 24 00:04:11 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 :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049159.D\data.ms

(22) Chrysene

21.173min (-0.011) 0.16 ng/ul m

response 11810

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.10	32.11
229.00	19.80	24.11#
0.00	0.00	0.00

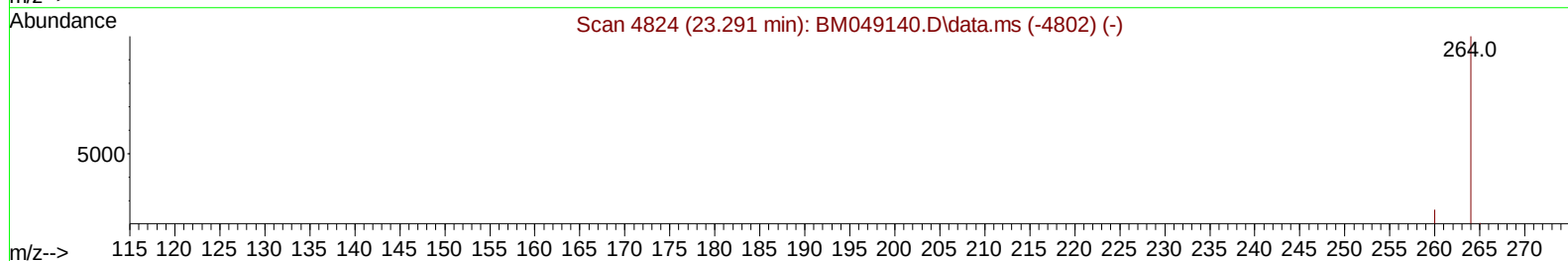
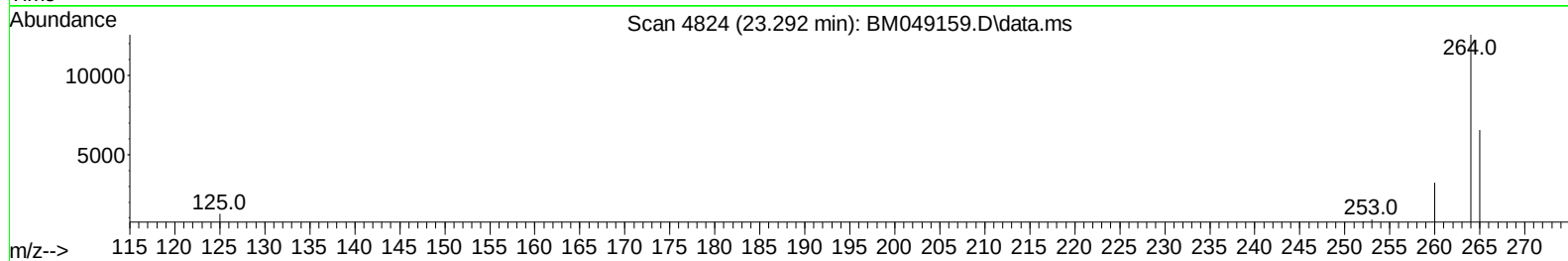
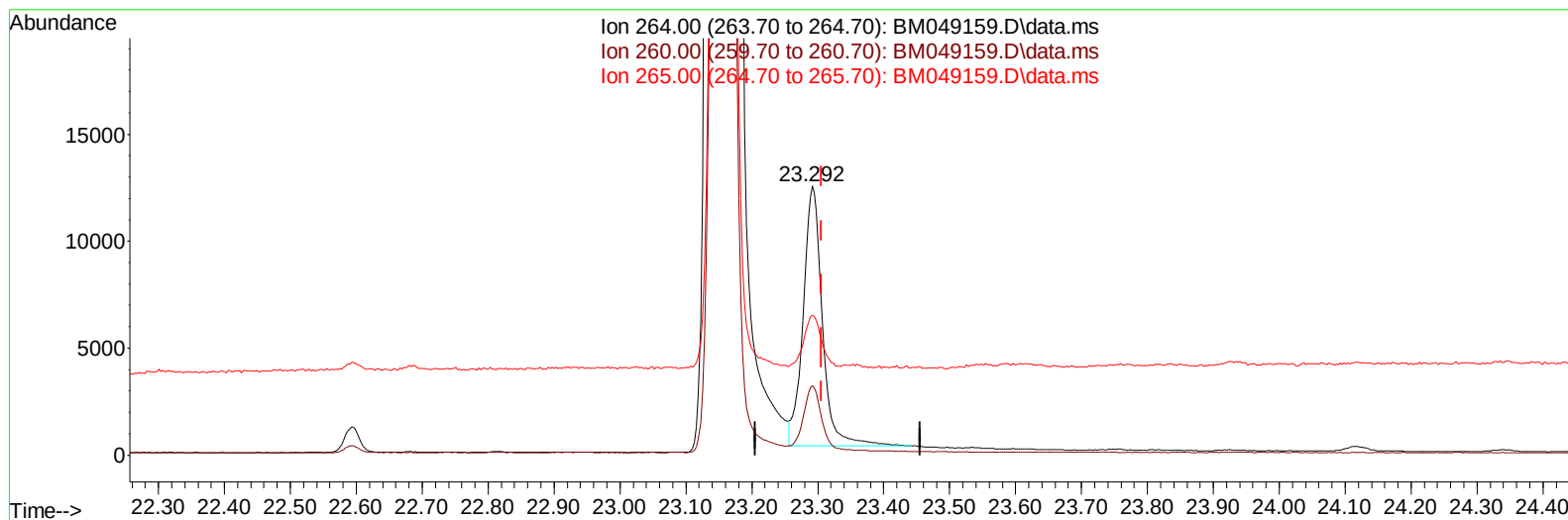
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049159.D
Acq On : 23 Dec 2024 23:19
Operator : RC/JU
Sample : P5333-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2904

Manual IntegrationsAPPROVED

Quant Time: Dec 24 00:04:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
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Supervised By :mohammad ahmed 12/26/2024



TIC: BM049159.D\data.ms

(23) Perylene-d12 (I)

23.292min (-0.014) 0.40 ng/u1

response 24731

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	25.75
265.00	78.30	52.00#
0.00	0.00	0.00

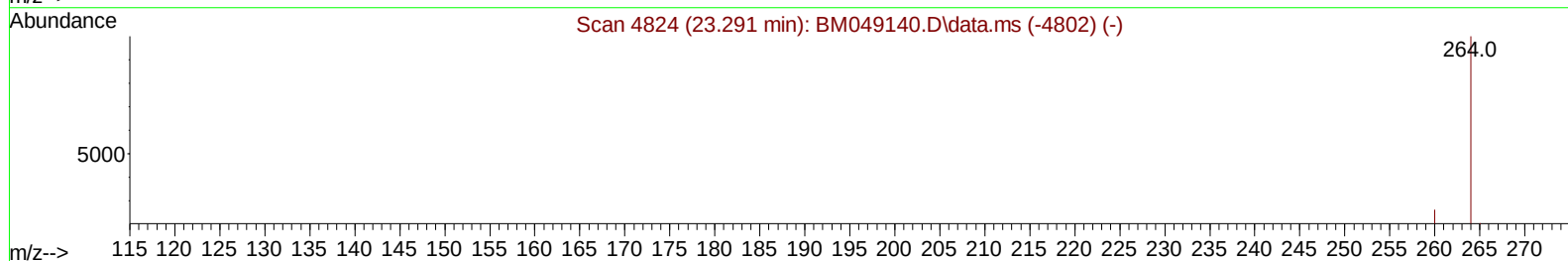
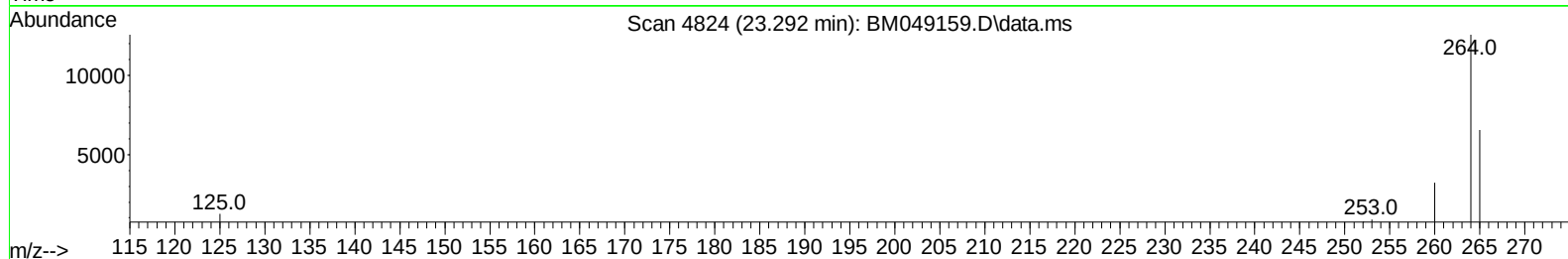
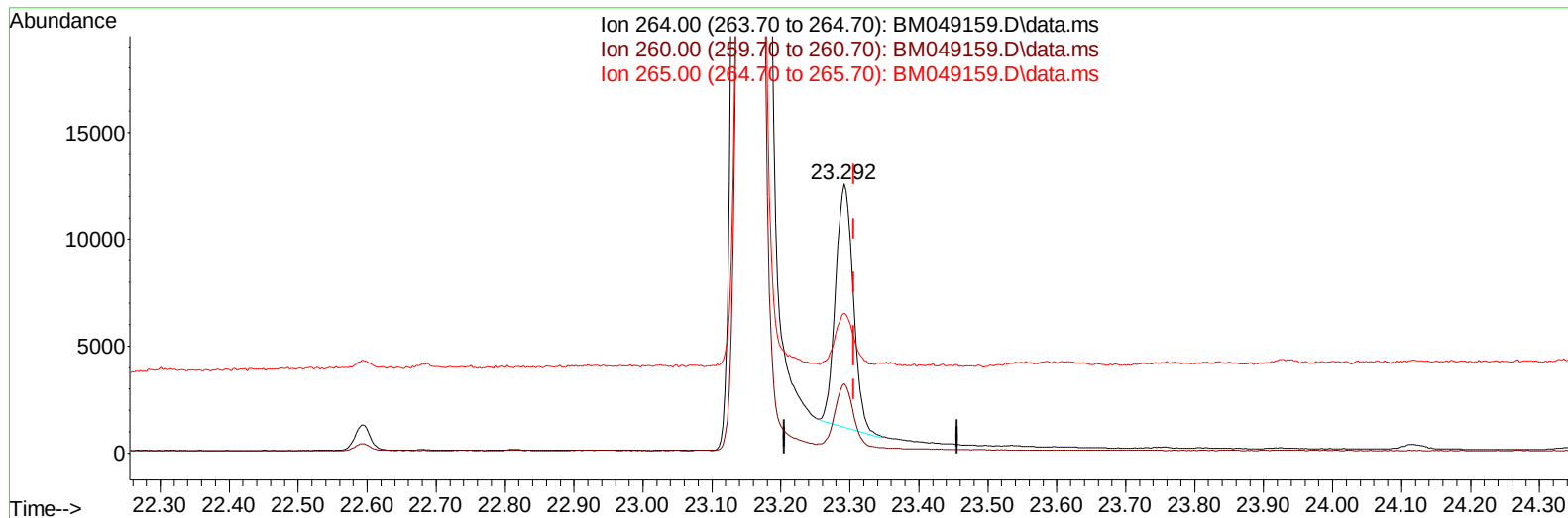
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049159.D
Acq On : 23 Dec 2024 23:19
Operator : RC/JU
Sample : P5333-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2904

Manual IntegrationsAPPROVED

Quant Time: Dec 24 00:04:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049159.D\data.ms

(23) Perylene-d12 (I)

23.292min (-0.014) 0.40 ng/ul m

response 20229

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	25.75
265.00	78.30	52.00#
0.00	0.00	0.00

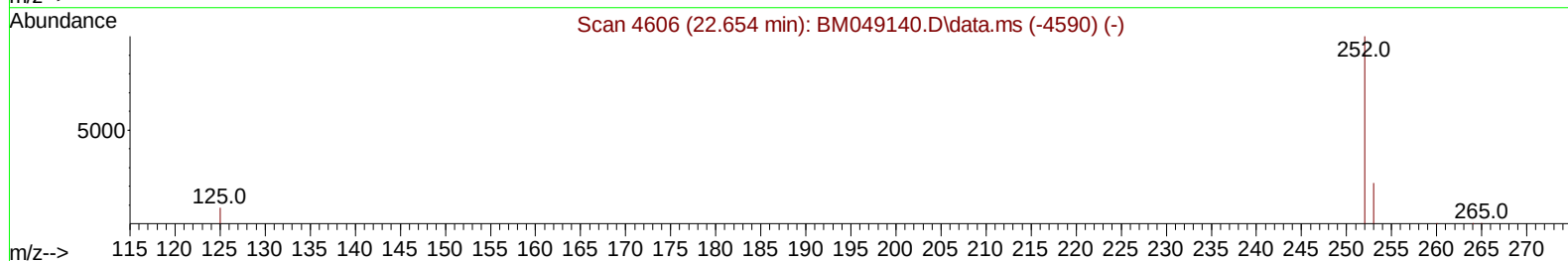
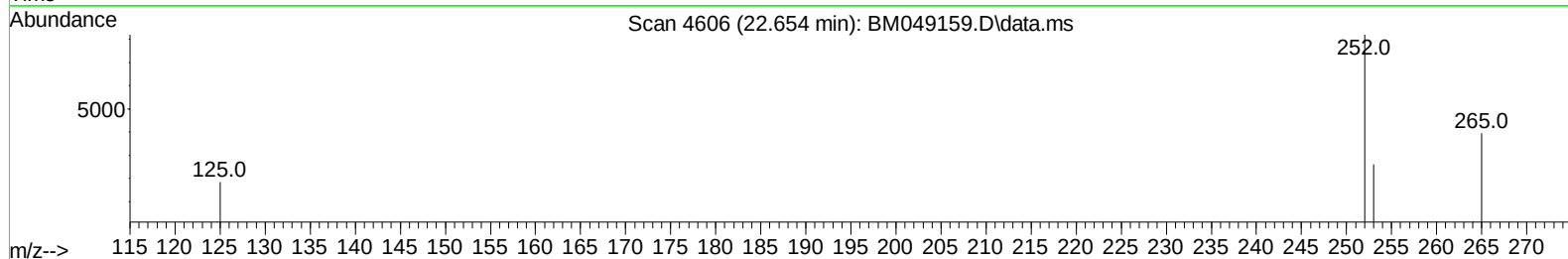
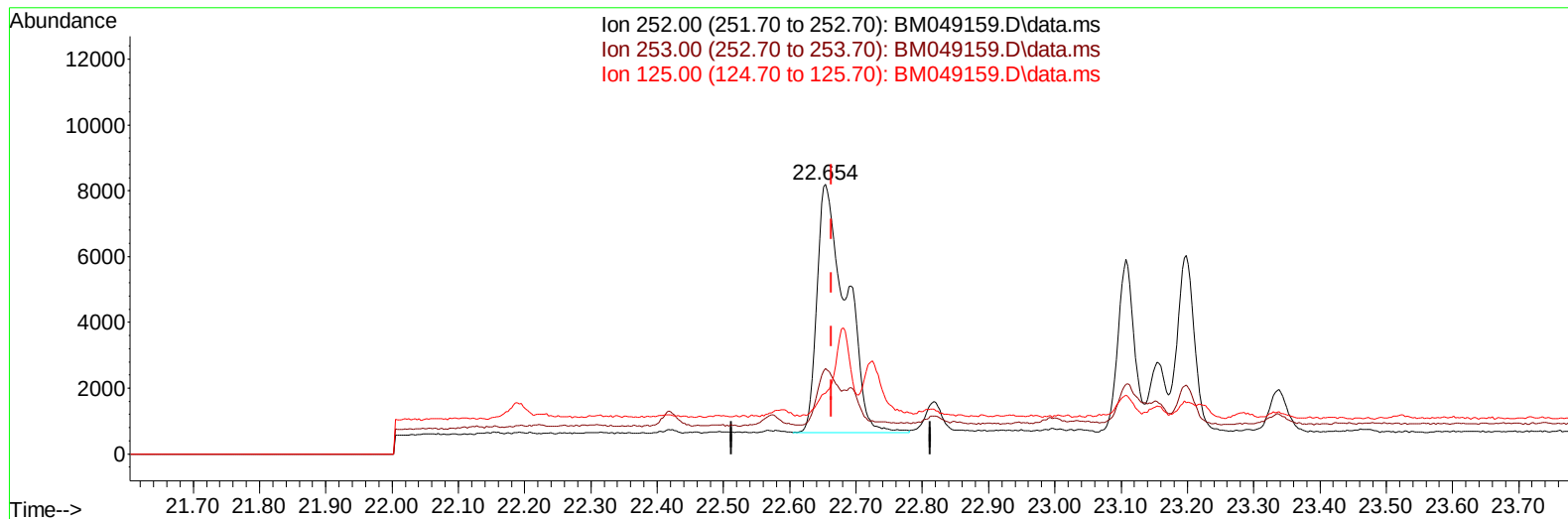
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049159.D
Acq On : 23 Dec 2024 23:19
Operator : RC/JU
Sample : P5333-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2904

Manual IntegrationsAPPROVED

Quant Time: Dec 24 00:04:11 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 :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049159.D\data.ms

(24) Benzo(b)fluoranthene

22.654min (-0.008) 0.36 ng/u1

response 22965

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	31.77
125.00	15.40	22.55
0.00	0.00	0.00

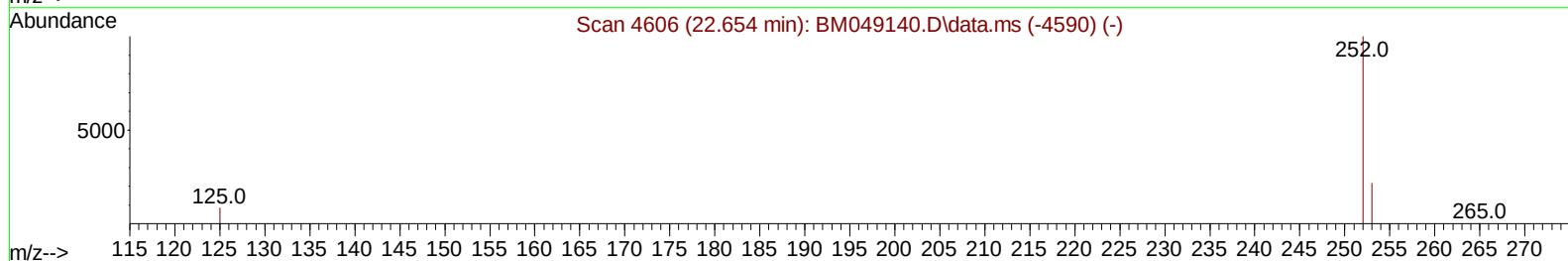
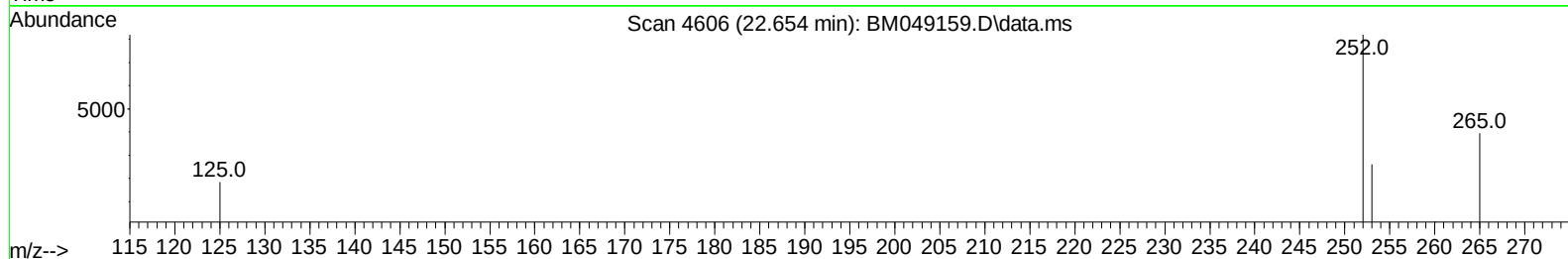
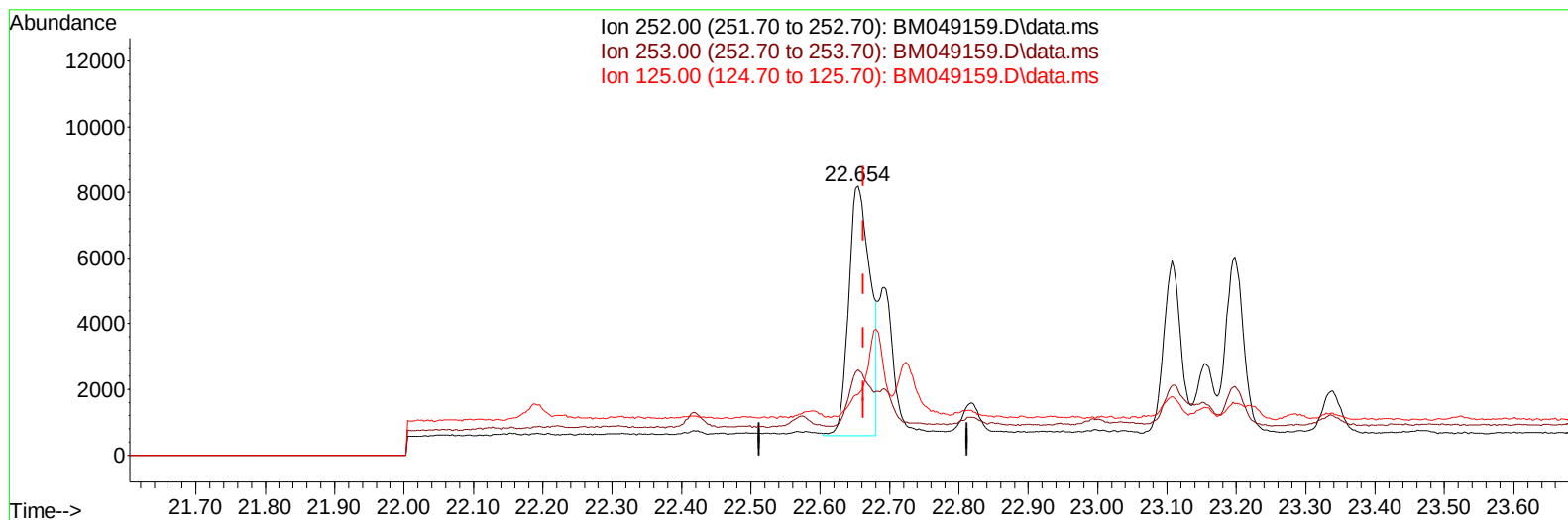
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049159.D
Acq On : 23 Dec 2024 23:19
Operator : RC/JU
Sample : P5333-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2904

Manual IntegrationsAPPROVED

Quant Time: Dec 24 00:04:11 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 :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049159.D\data.ms

(24) Benzo(b)fluoranthene

22.654min (-0.008) 0.25 ng/ul m

response 16399

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	31.77
125.00	15.40	22.55
0.00	0.00	0.00

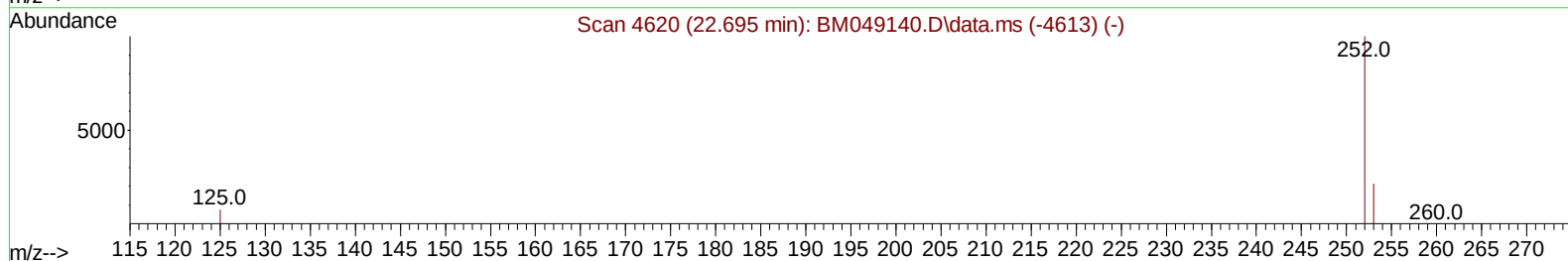
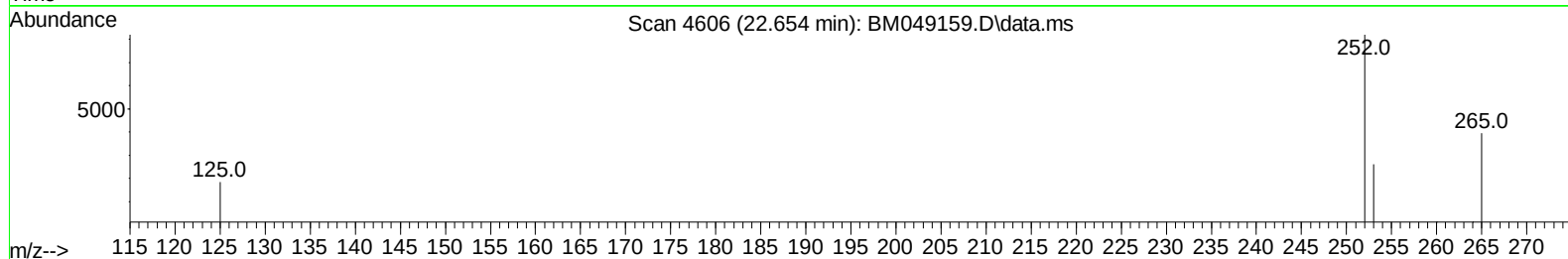
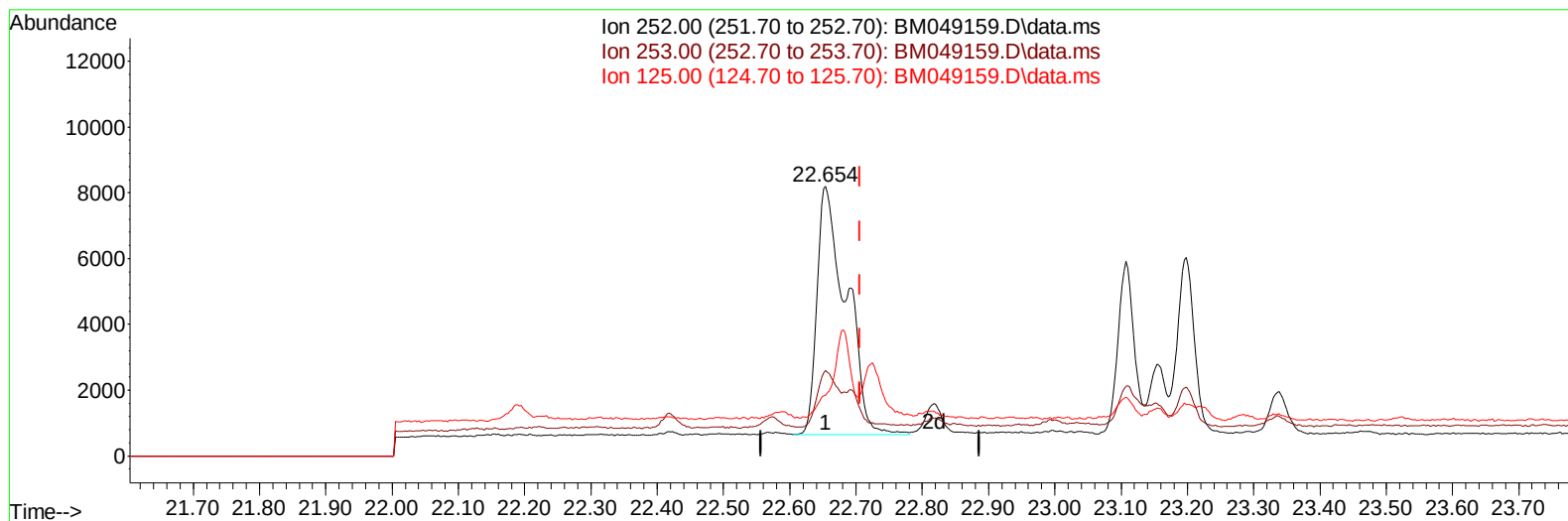
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
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ALS Vial : 22 Sample Multiplier: 1

Instrument :
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TIC: BM049159.D\data.ms

(25) Benzo(k)fluoranthene

22.654min (-0.052) 0.32 ng/u1

response 22965

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	31.77
125.00	15.70	22.55#
0.00	0.00	0.00

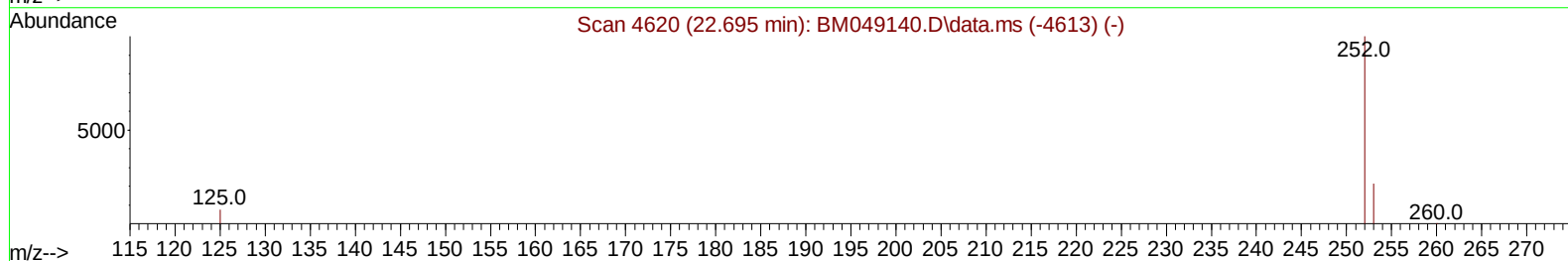
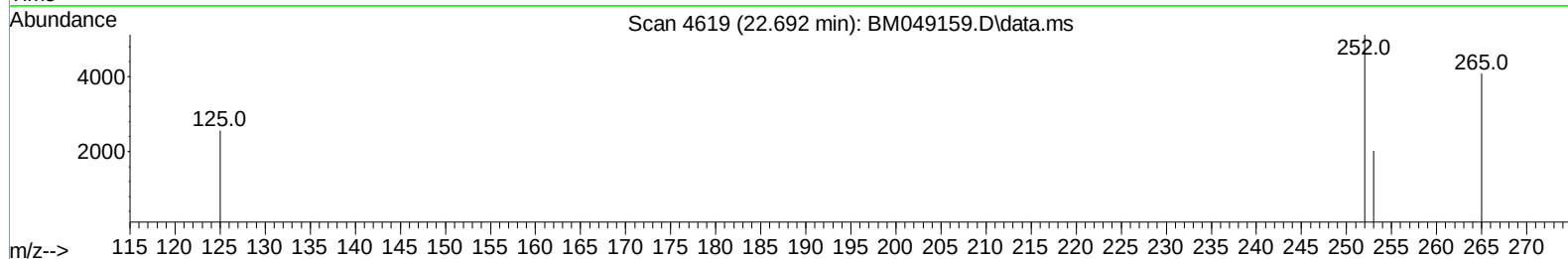
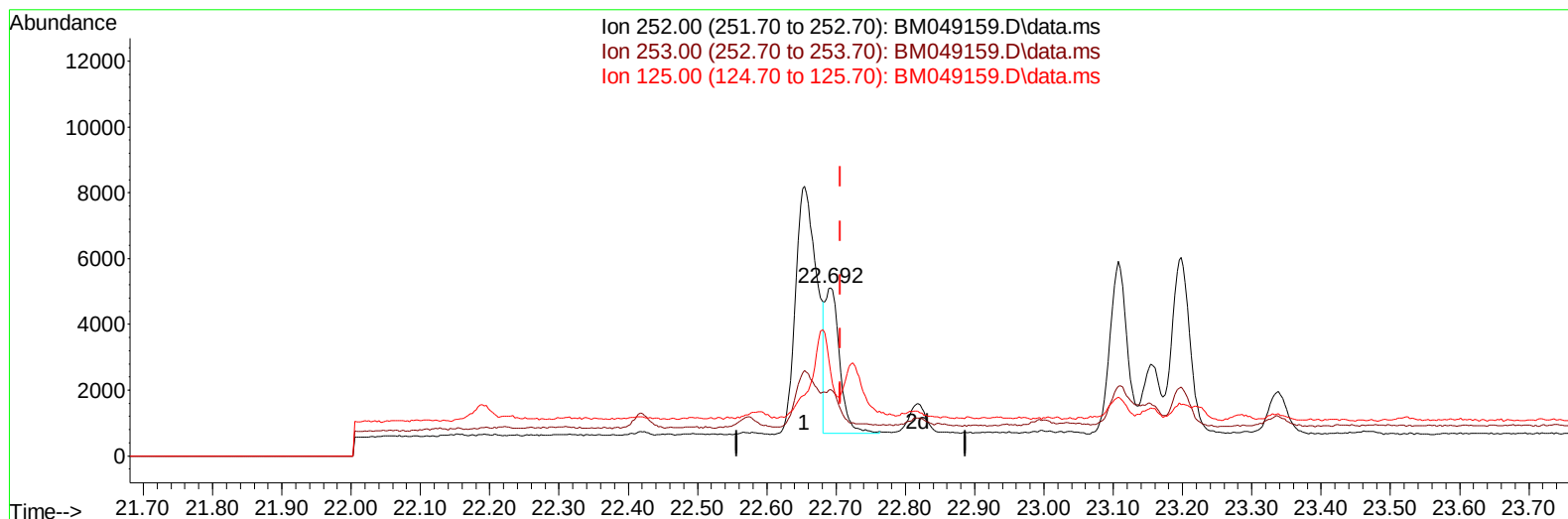
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Data File : BM049159.D
Acq On : 23 Dec 2024 23:19
Operator : RC/JU
Sample : P5333-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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TIC: BM049159.D\data.ms

(25) Benzo(k)fluoranthene

22.692min (-0.014) 0.09 ng/ul m

response 6588

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	39.34#
125.00	15.70	49.94#
0.00	0.00	0.00

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 Misc :
 ALS Vial : 22 Sample Multiplier: 1

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.552	152	5884	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.314	136	17174	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.187	164	9509	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.938	188	21727m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.138	240	19800m	0.400	ng/ul	0.00
23) Perylene-d12	23.292	264	20229m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.143	96	24418	3.598	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.914	152	4900	0.212	ng/ul	-0.01
18) Fluoranthene-d10	18.973	212	10657	0.190	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.358	128	2265	0.053	ng/ul#	91
7) 2-Methylnaphthalene	11.991	142	1432	0.053	ng/ul	99
8) 1-Methylnaphthalene	12.211	142	998	0.036	ng/ul	95
15) Phenanthrene	16.976	178	18107m	0.319	ng/ul	
16) Anthracene	17.069	178	3163m	0.061	ng/ul	
19) Fluoranthene	19.001	202	22763	0.318	ng/ul	99
20) Pyrene	19.364	202	19973	0.262	ng/ul	96
21) Benzo(a)anthracene	21.123	228	8037	0.117	ng/ul	95
22) Chrysene	21.173	228	11810m	0.160	ng/ul	
24) Benzo(b)fluoranthene	22.654	252	16399m	0.254	ng/ul	
25) Benzo(k)fluoranthene	22.692	252	6588m	0.093	ng/ul	
26) Benzo(a)pyrene	23.198	252	9594	0.155	ng/ul#	86
27) Indeno(1,2,3-cd)pyrene	25.427	276	8897	0.101	ng/ul#	95
28) Dibenzo(a,h)anthracene	25.437	278	2167	0.032	ng/ul#	40
29) Benzo(g,h,i)perylene	26.078	276	10474	0.148	ng/ul	94

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

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