

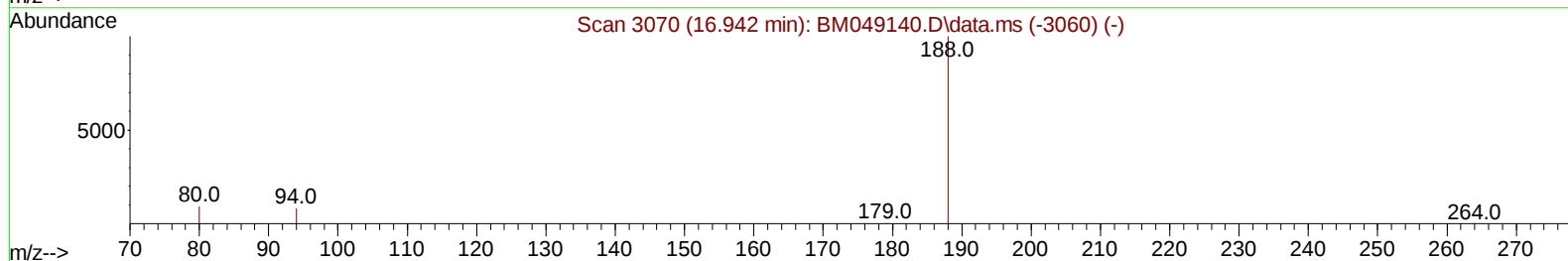
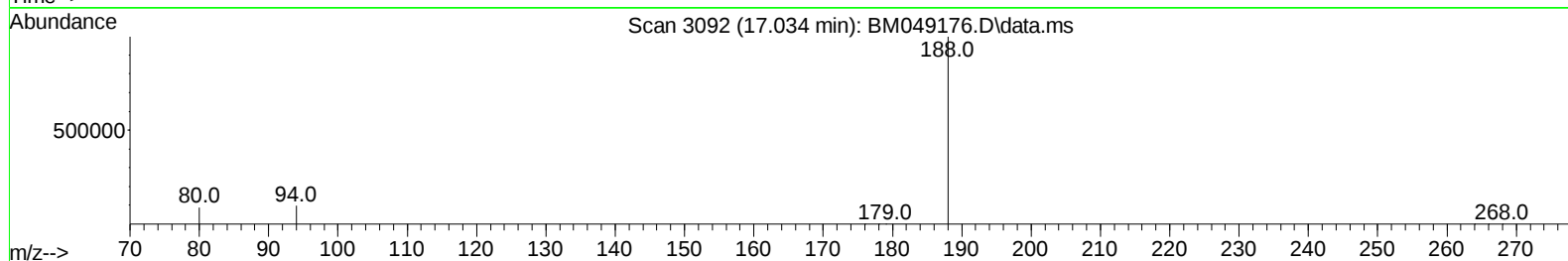
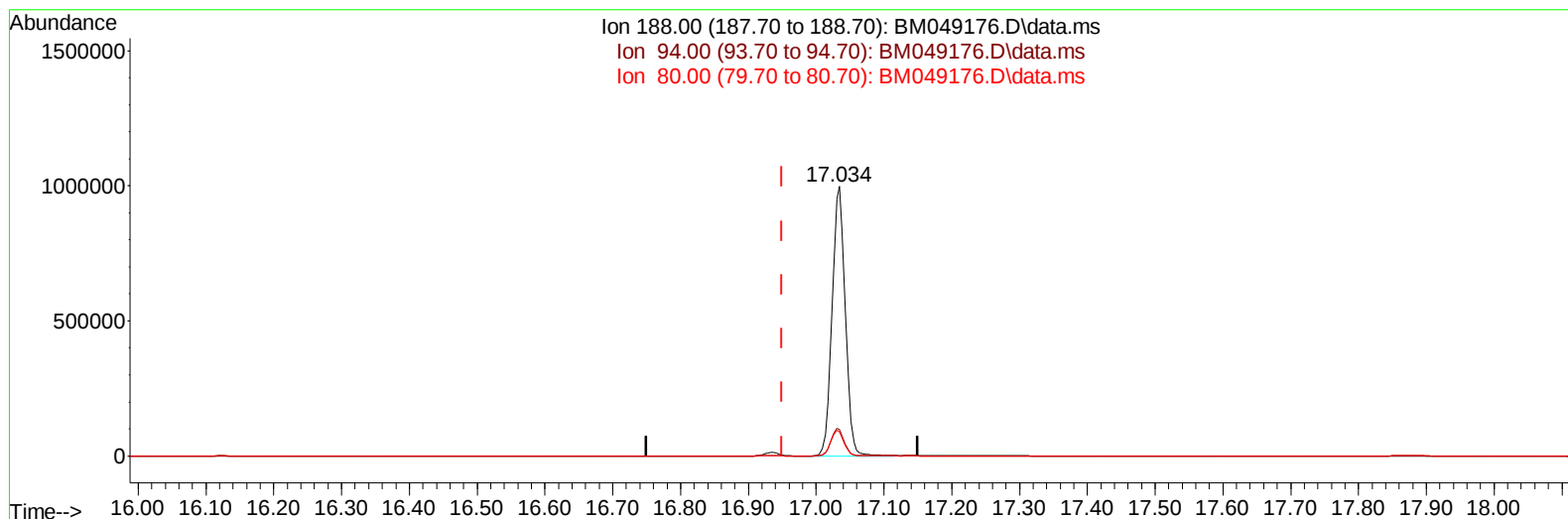
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049176.D
Acq On : 24 Dec 2024 09:59
Operator : RC/JU
Sample : P5331-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AQ1

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:39:22 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049176.D\data.ms

(13) Phenanthrene-d10 (I)

17.034min (+ 0.084) 0.40 ng/u1

response 1343335

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	9.70
80.00	10.70	8.92
0.00	0.00	0.00

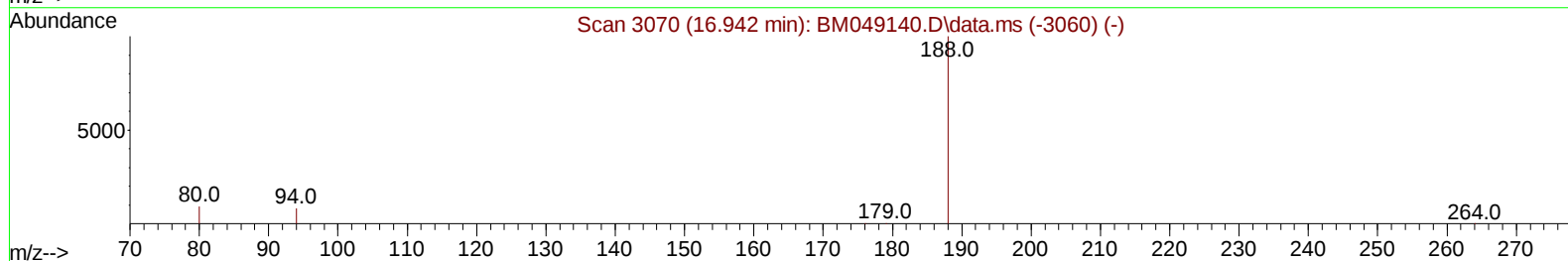
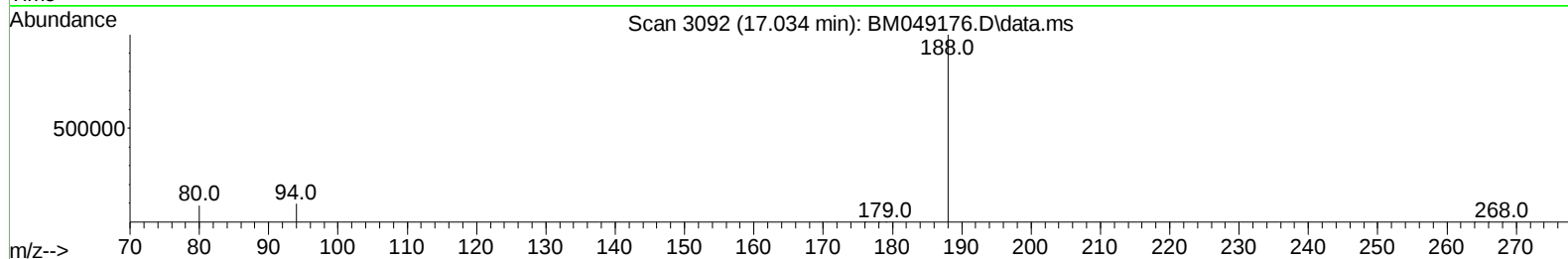
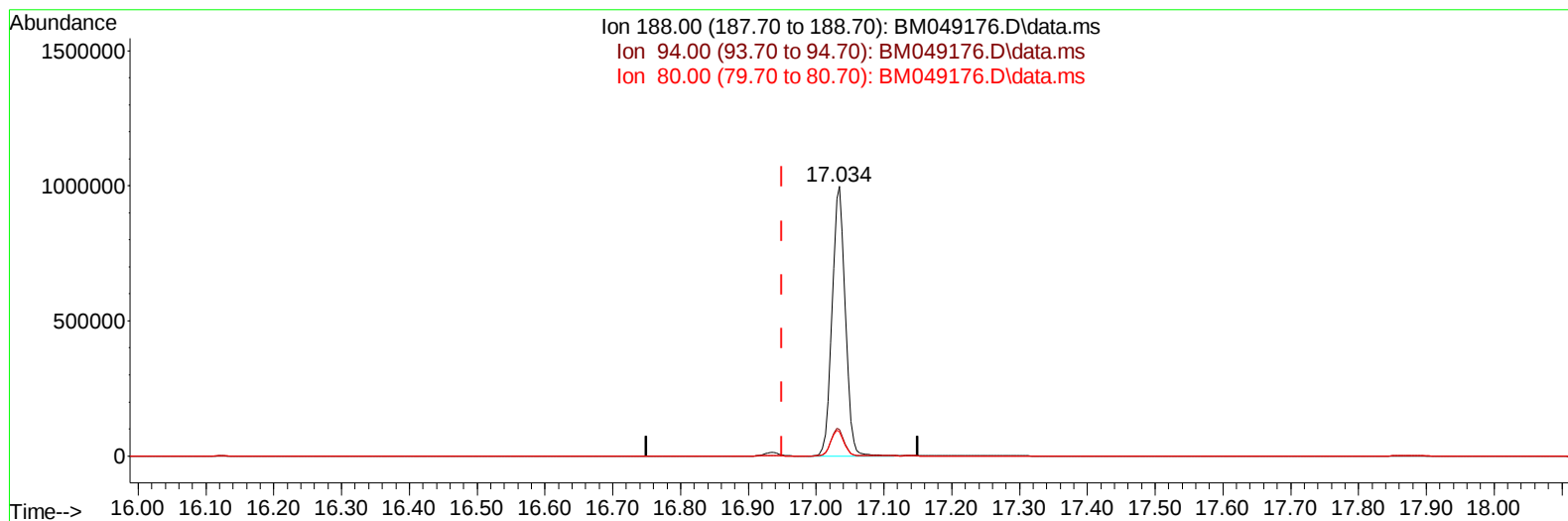
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049176.D
Acq On : 24 Dec 2024 09:59
Operator : RC/JU
Sample : P5331-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AQ1

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:39:22 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049176.D\data.ms

(13) Phenanthrene-d10 (I)

17.034min (+ 0.084) 0.40 ng/u1

response 1343335

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	9.70
80.00	10.70	8.92
0.00	0.00	0.00

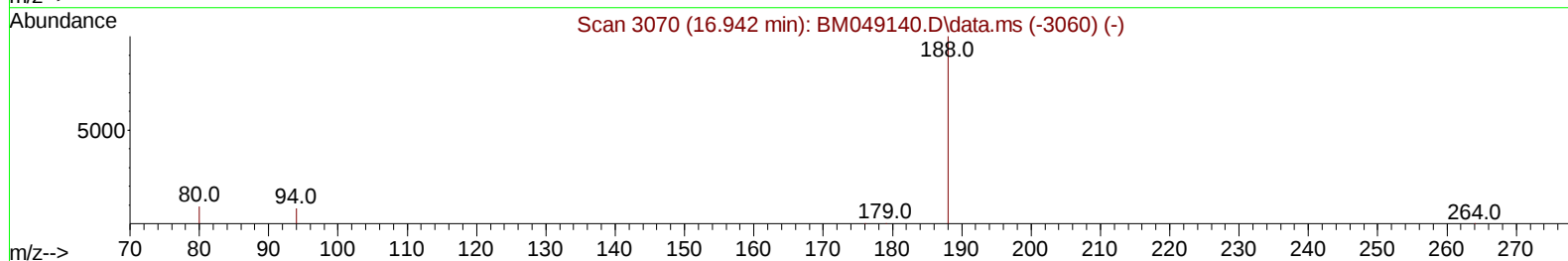
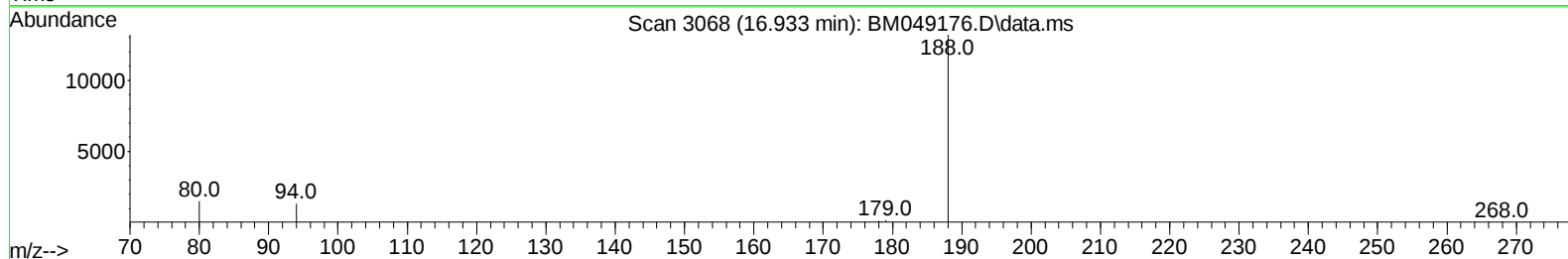
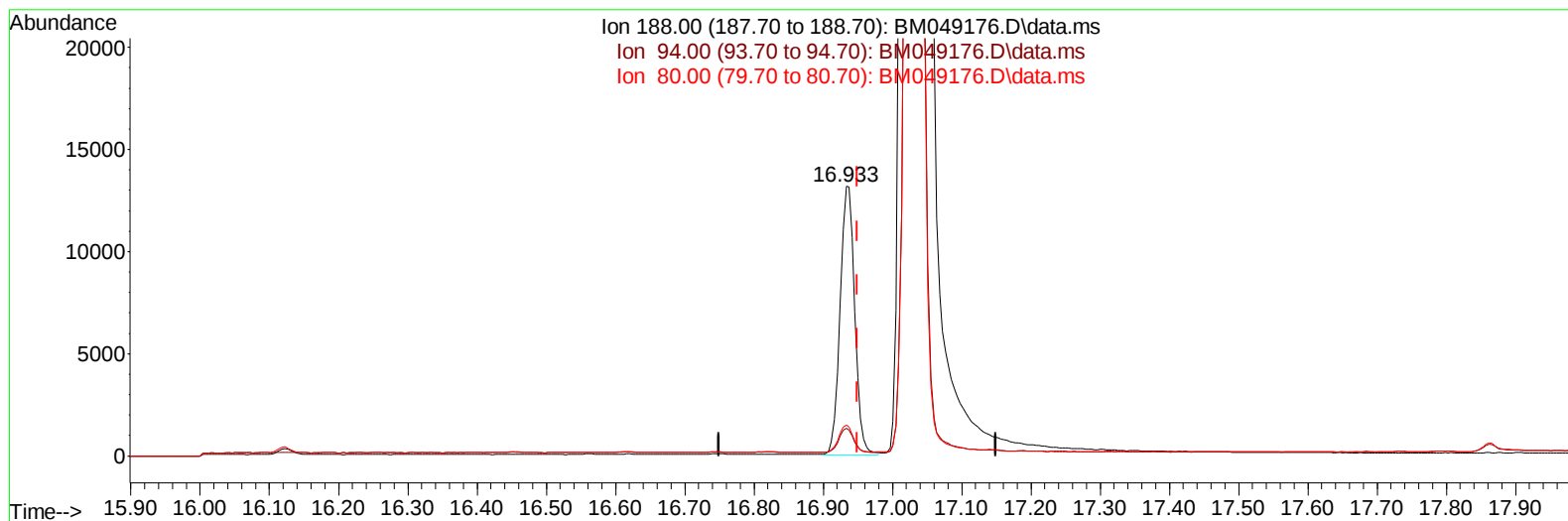
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049176.D
Acq On : 24 Dec 2024 09:59
Operator : RC/JU
Sample : P5331-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AQ1

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:39:22 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049176.D\data.ms

(13) Phenanthrene-d10 (I)

16.933min (-0.017) 0.40 ng/ul m

response 19313

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	10.25
80.00	10.70	11.56
0.00	0.00	0.00

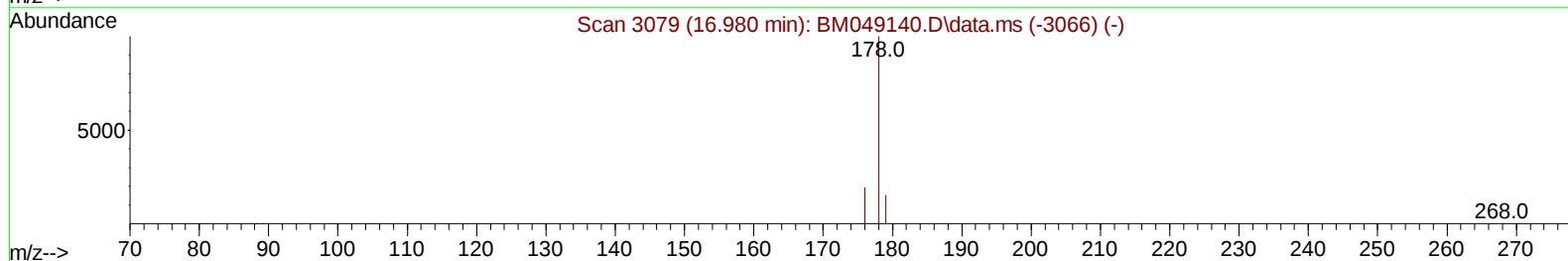
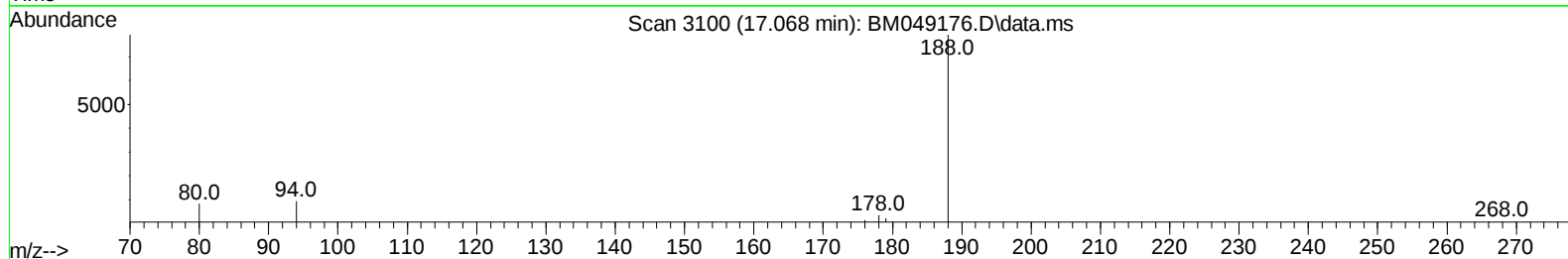
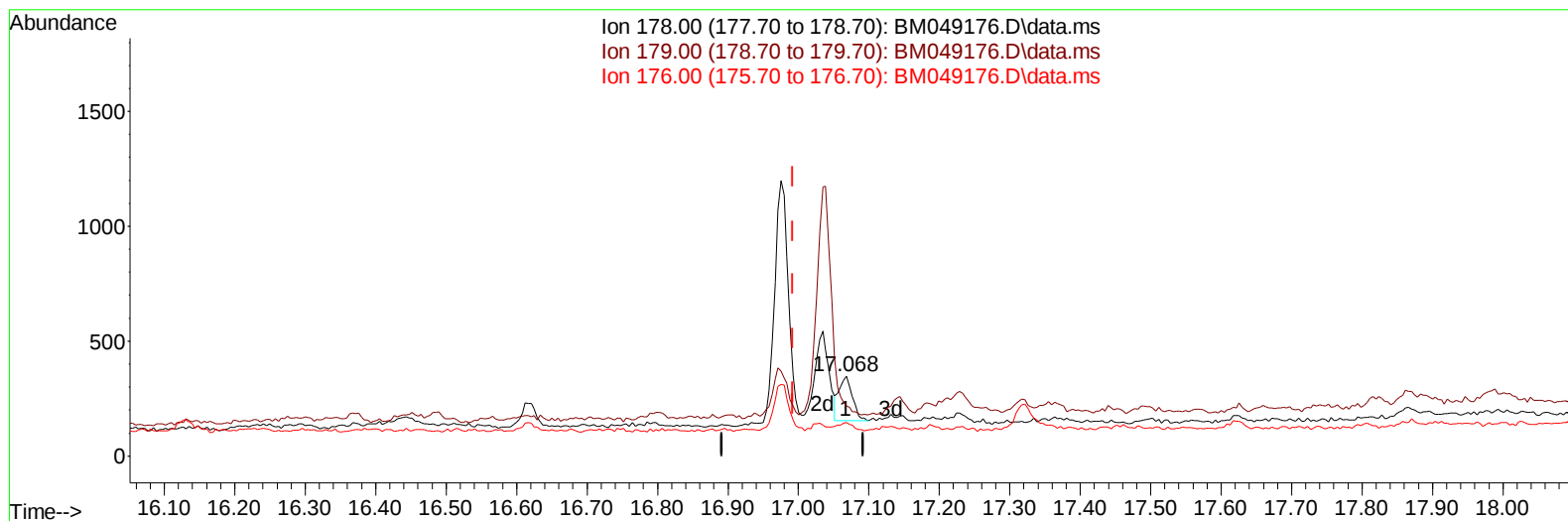
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049176.D
Acq On : 24 Dec 2024 09:59
Operator : RC/JU
Sample : P5331-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AQ1

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:39:22 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049176.D\data.ms

(15) Phenanthrene

17.068min (+ 0.076) 0.00 ng/u1

response 250

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	62.64#
176.00	20.20	41.95#
0.00	0.00	0.00

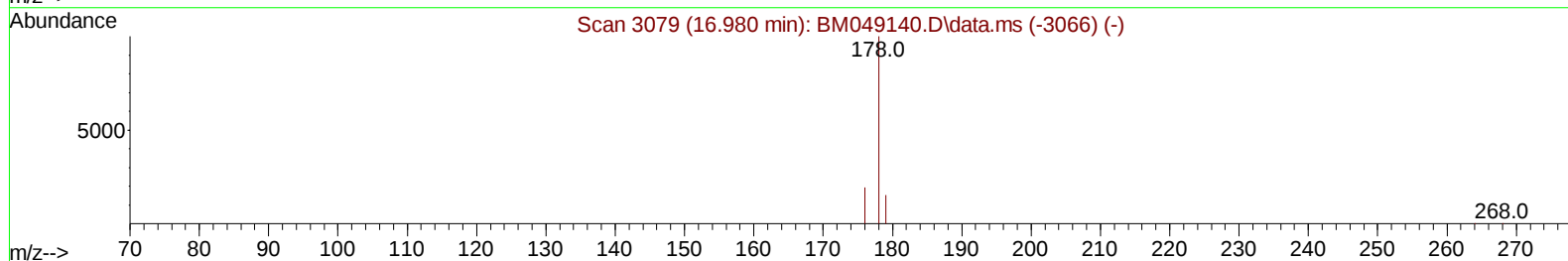
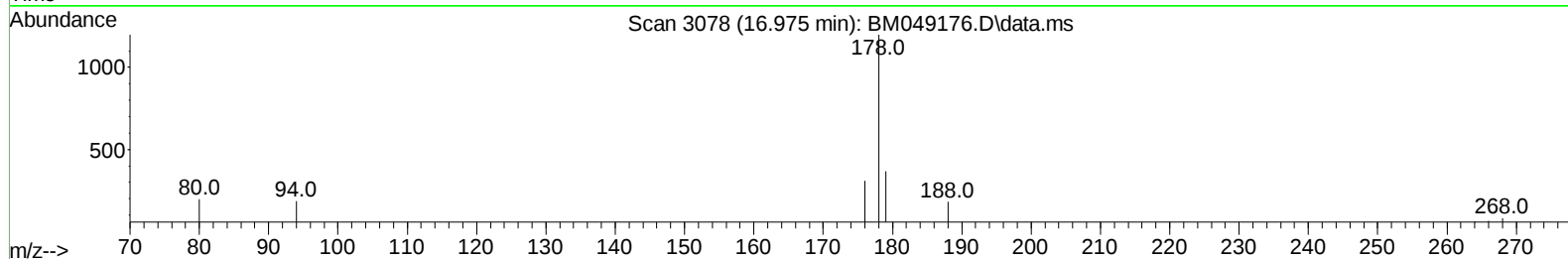
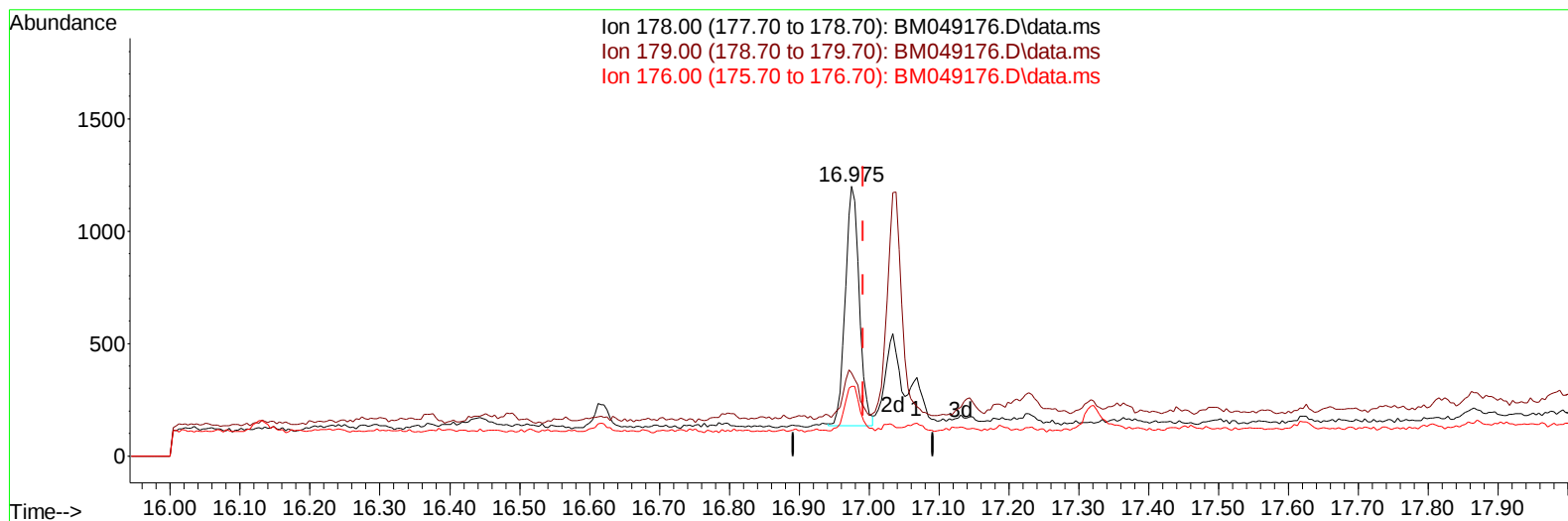
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049176.D
Acq On : 24 Dec 2024 09:59
Operator : RC/JU
Sample : P5331-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AQ1

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:39:22 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049176.D\data.ms

(15) Phenanthrene

16.975min (-0.017) 0.03 ng/ul m

response 1469

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	30.78#
176.00	20.20	25.94#
0.00	0.00	0.00

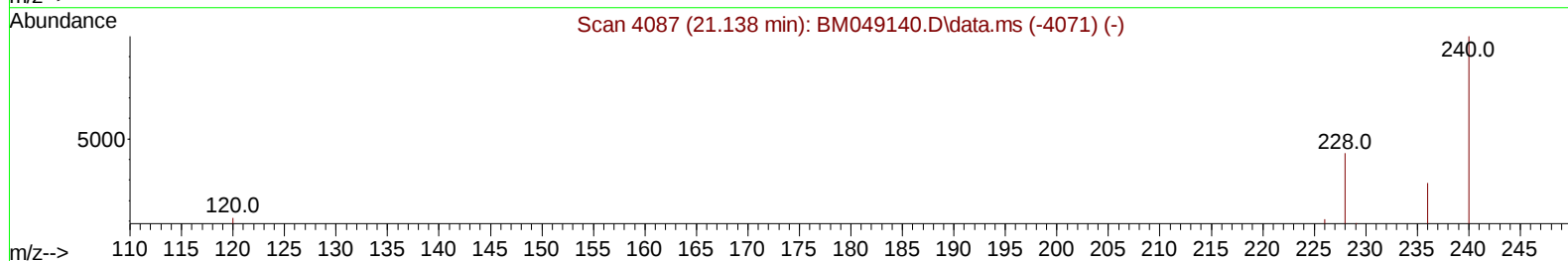
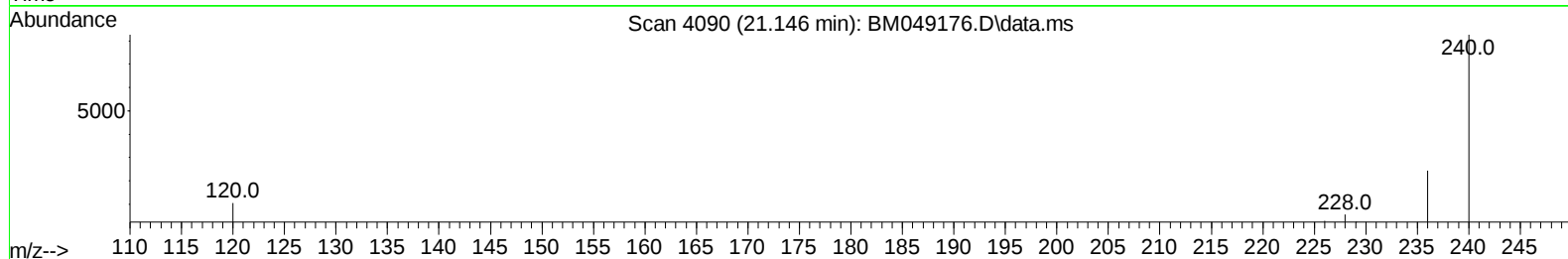
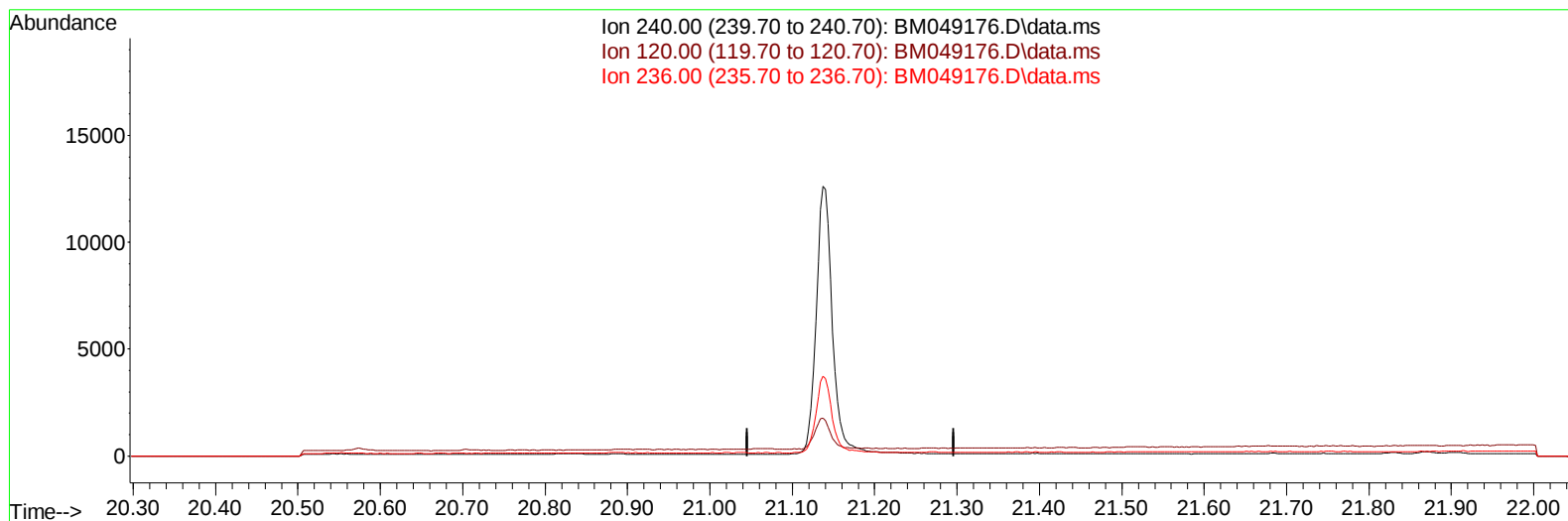
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049176.D
Acq On : 24 Dec 2024 09:59
Operator : RC/JU
Sample : P5331-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AQ1

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:39:22 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049176.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

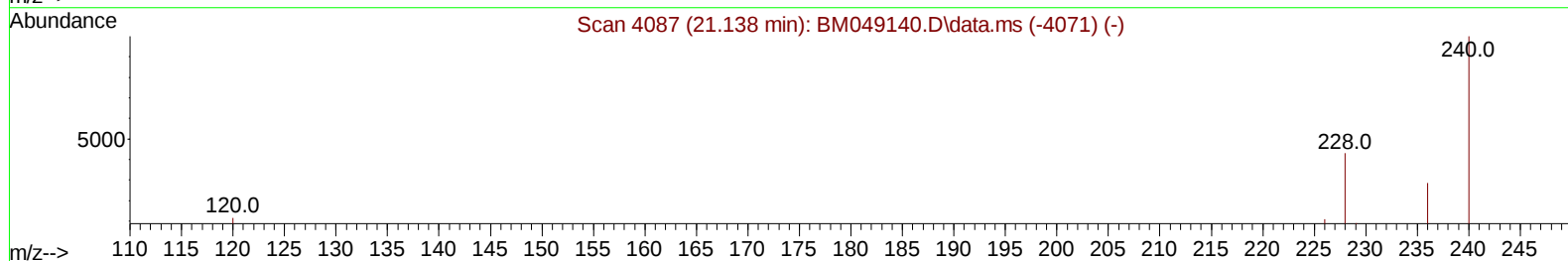
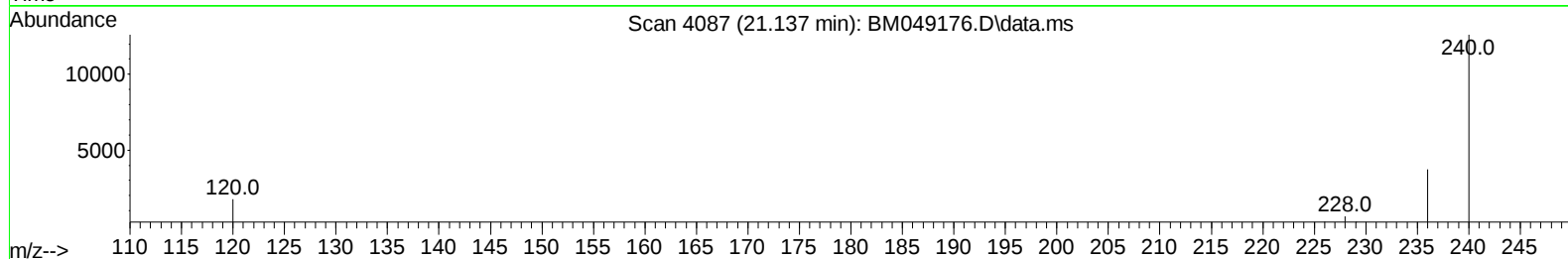
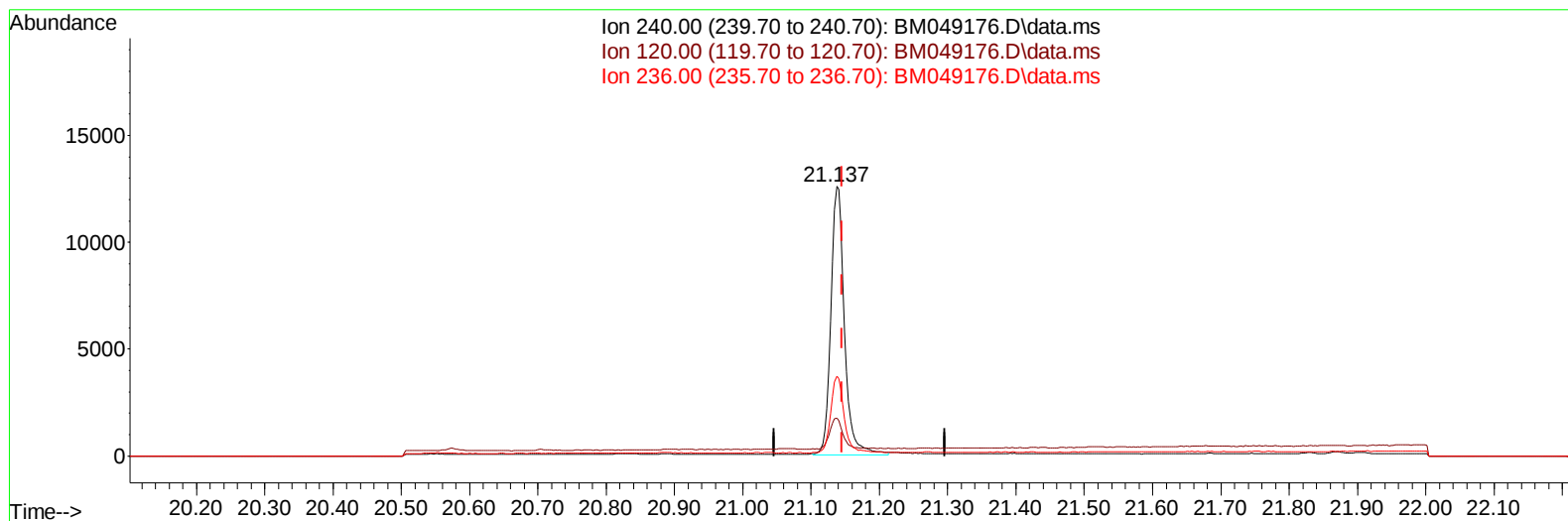
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049176.D
Acq On : 24 Dec 2024 09:59
Operator : RC/JU
Sample : P5331-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AQ1

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:39:22 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049176.D\data.ms

(17) Chrysene-d12

21.137min (-0.009) 0.40 ng/u1 m

response 17376

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	14.50	14.10
236.00	29.80	29.60
0.00	0.00	0.00

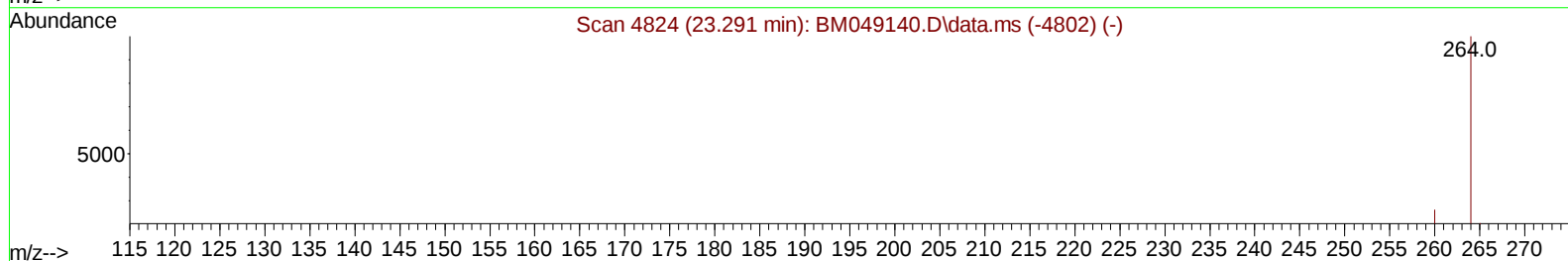
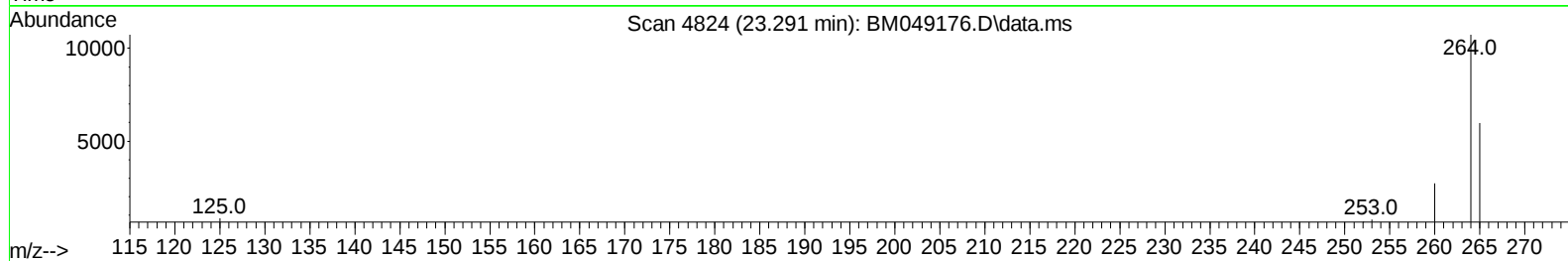
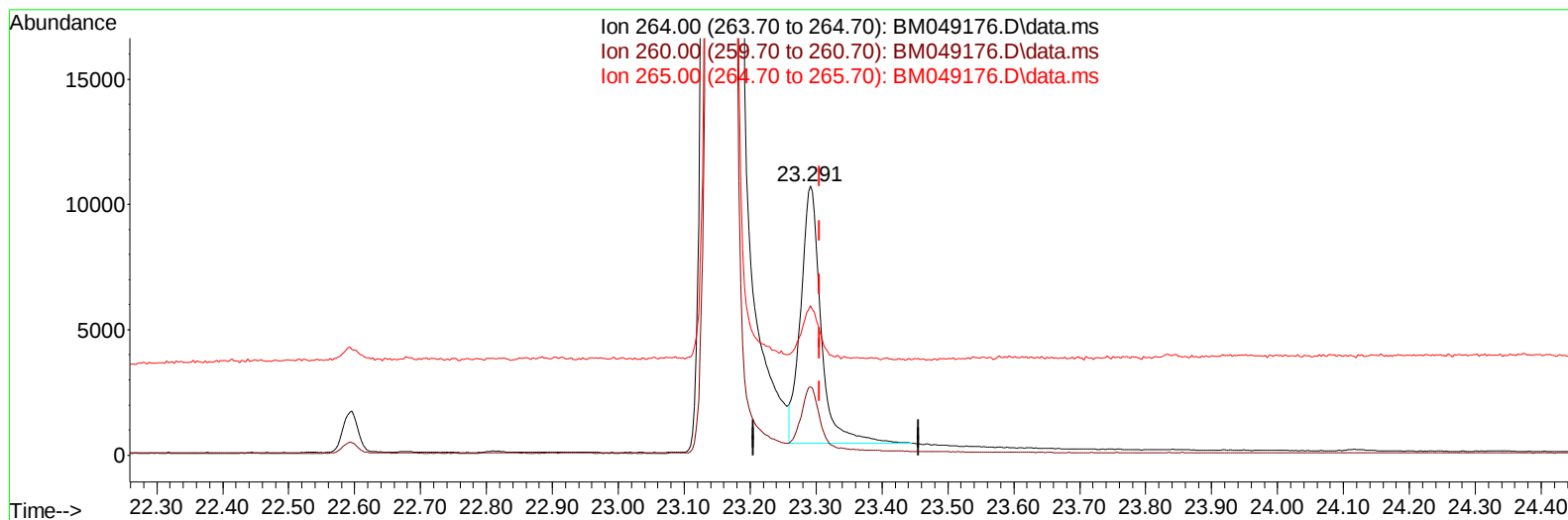
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049176.D
Acq On : 24 Dec 2024 09:59
Operator : RC/JU
Sample : P5331-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AQ1

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:39:22 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049176.D\data.ms

(23) Perylene-d12 (I)

23.291min (-0.015) 0.40 ng/u1

response 21854

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	25.46
265.00	78.30	55.60#
0.00	0.00	0.00

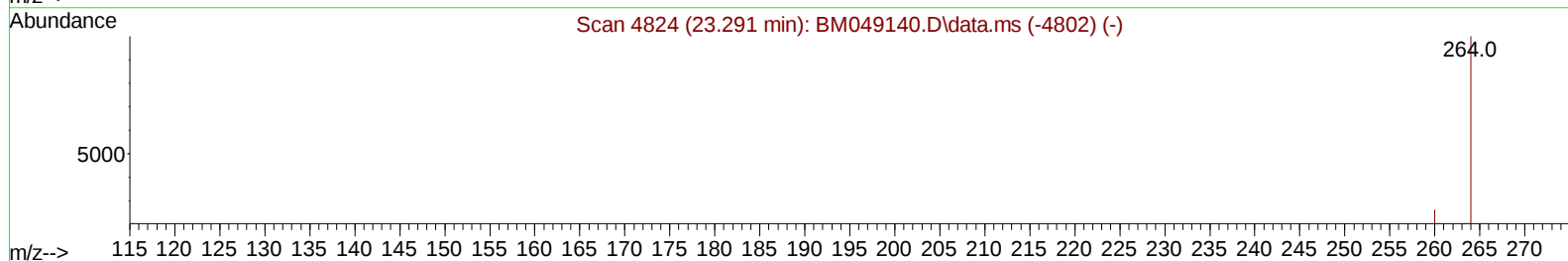
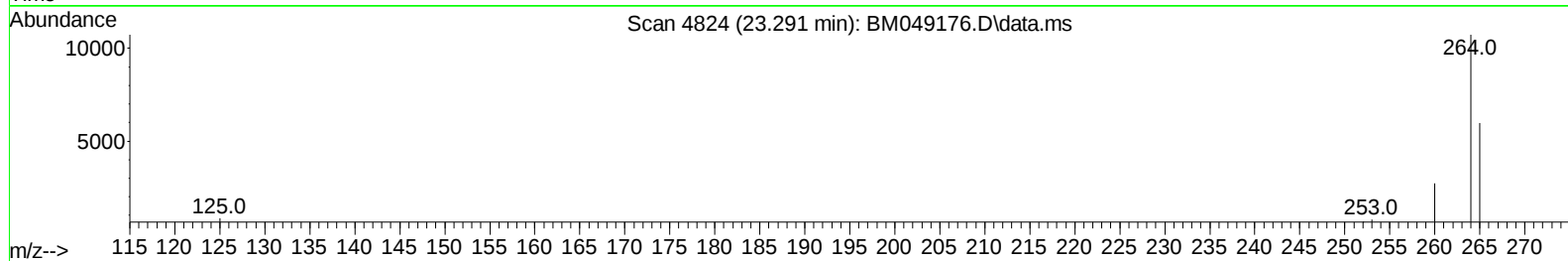
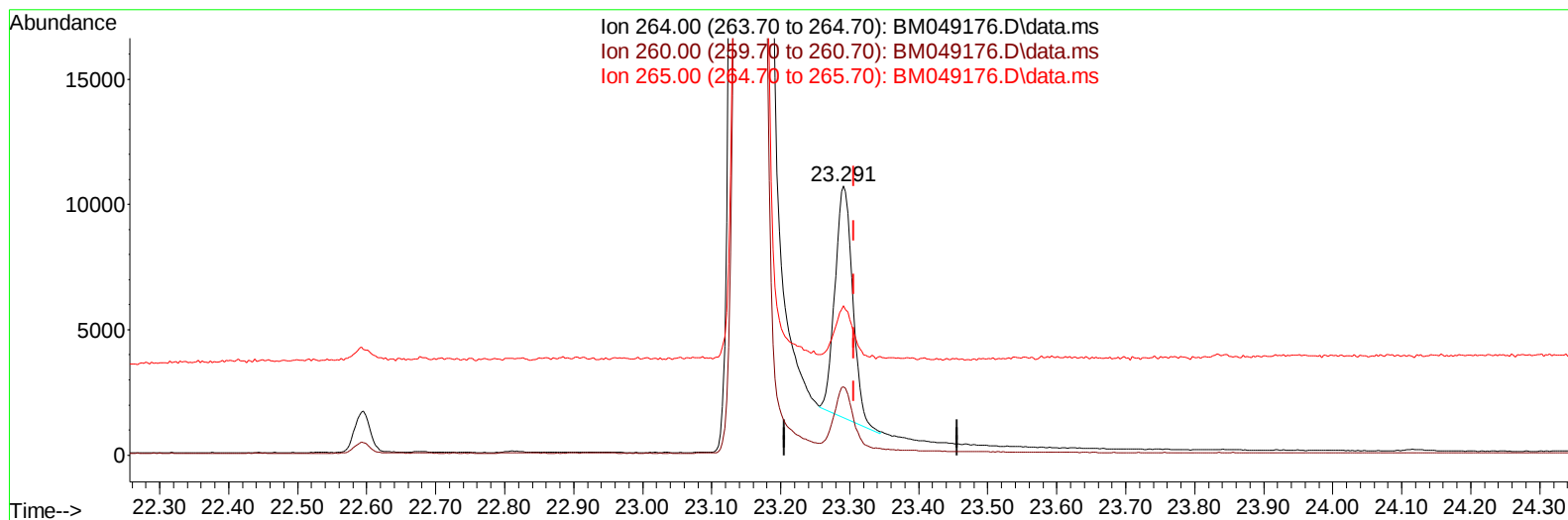
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049176.D
Acq On : 24 Dec 2024 09:59
Operator : RC/JU
Sample : P5331-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AQ1

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:39:22 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049176.D\data.ms

(23) Perylene-d12 (I)

23.291min (-0.015) 0.40 ng/ul m

response 16450

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	25.46
265.00	78.30	55.60#
0.00	0.00	0.00

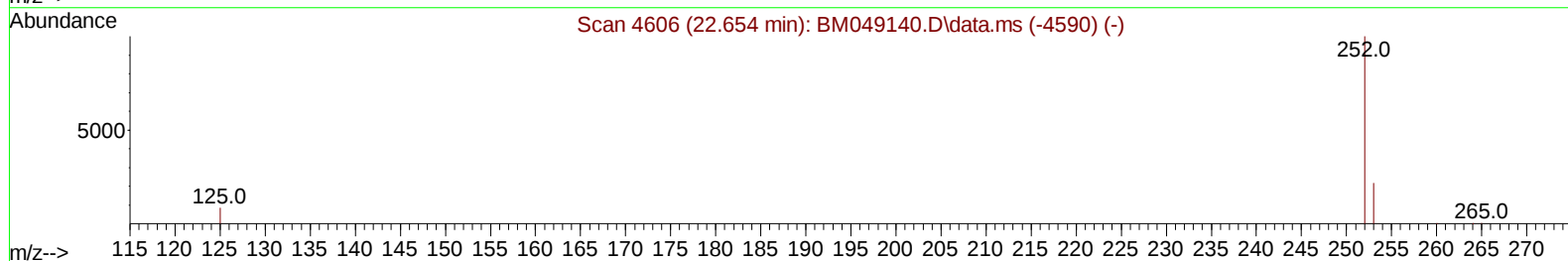
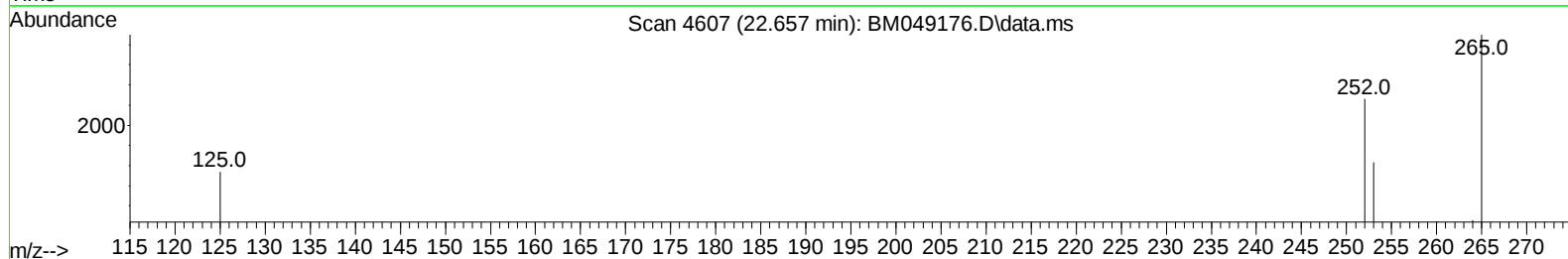
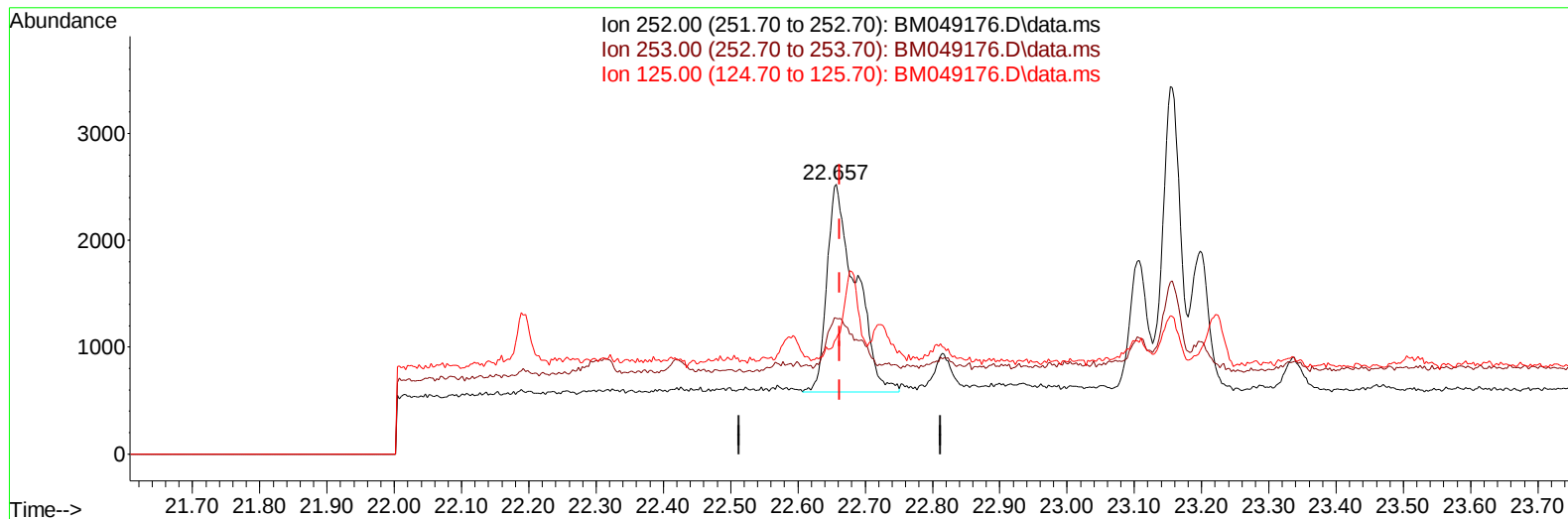
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049176.D
Acq On : 24 Dec 2024 09:59
Operator : RC/JU
Sample : P5331-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AQ1

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:39:22 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049176.D\data.ms

(24) Benzo(b)fluoranthene

22.657min (-0.006) 0.11 ng/u1

response 5758

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	50.32
125.00	15.40	42.82#
0.00	0.00	0.00

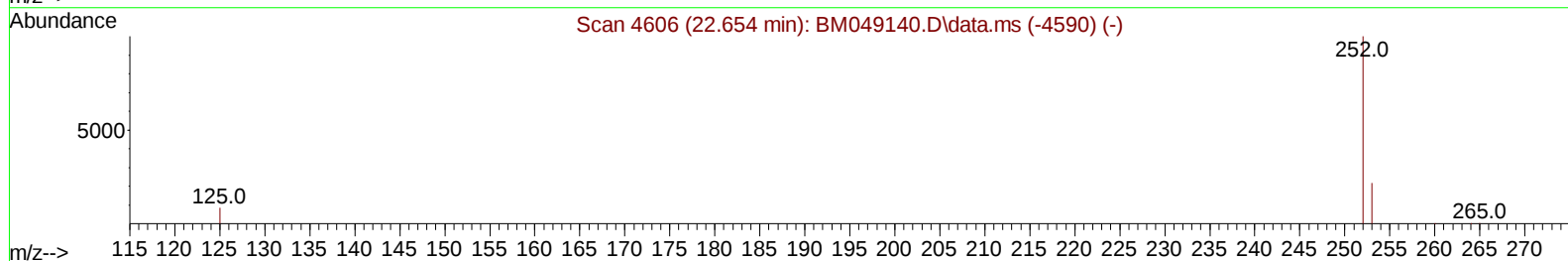
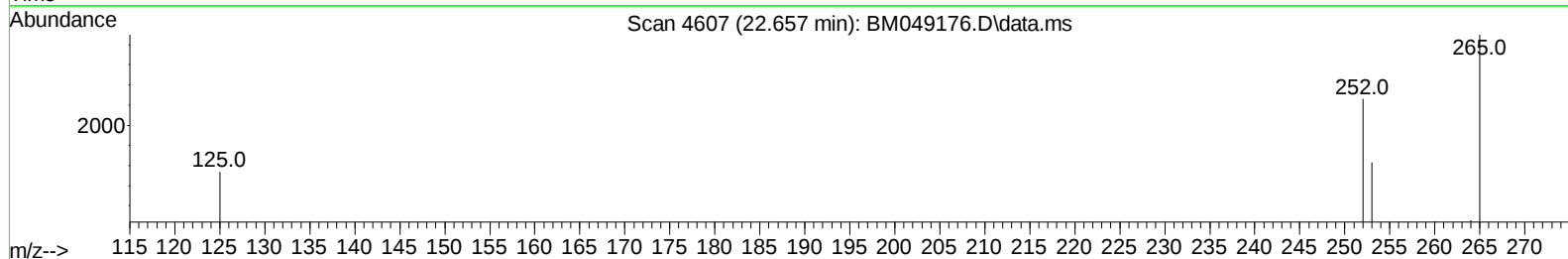
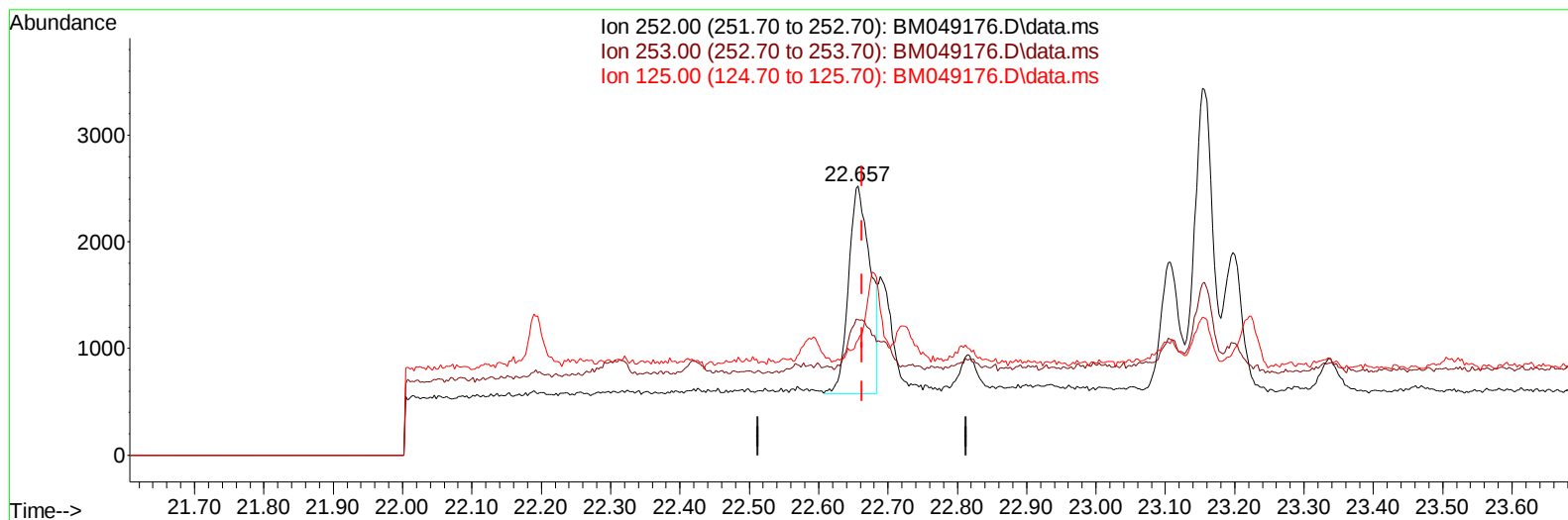
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049176.D
Acq On : 24 Dec 2024 09:59
Operator : RC/JU
Sample : P5331-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AQ1

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:39:22 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049176.D\data.ms

(24) Benzo(b)fluoranthene

22.657min (-0.006) 0.08 ng/u1 m

response 4195

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	50.32
125.00	15.40	42.82#
0.00	0.00	0.00

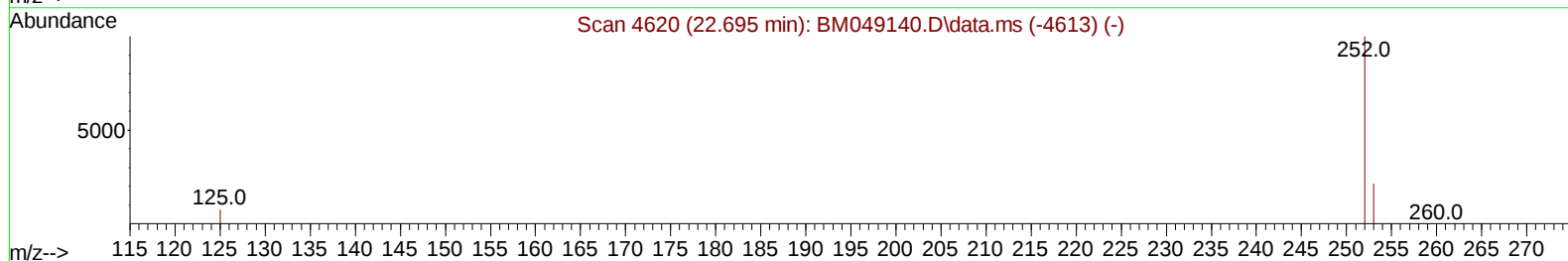
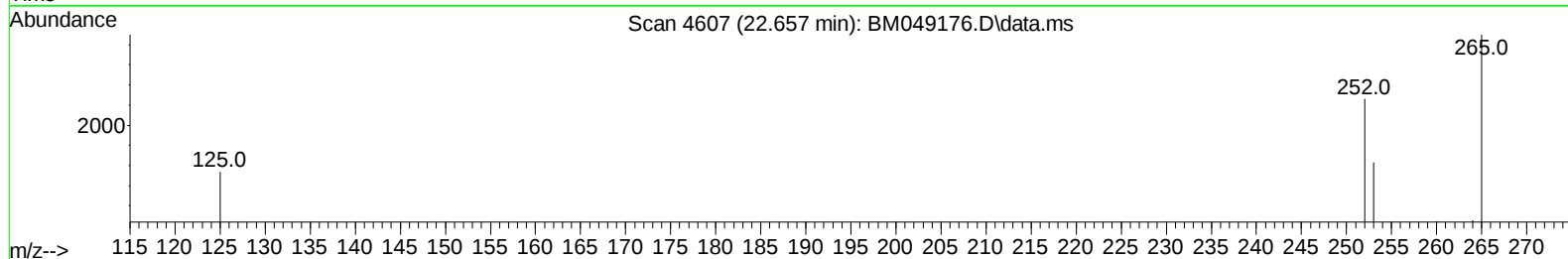
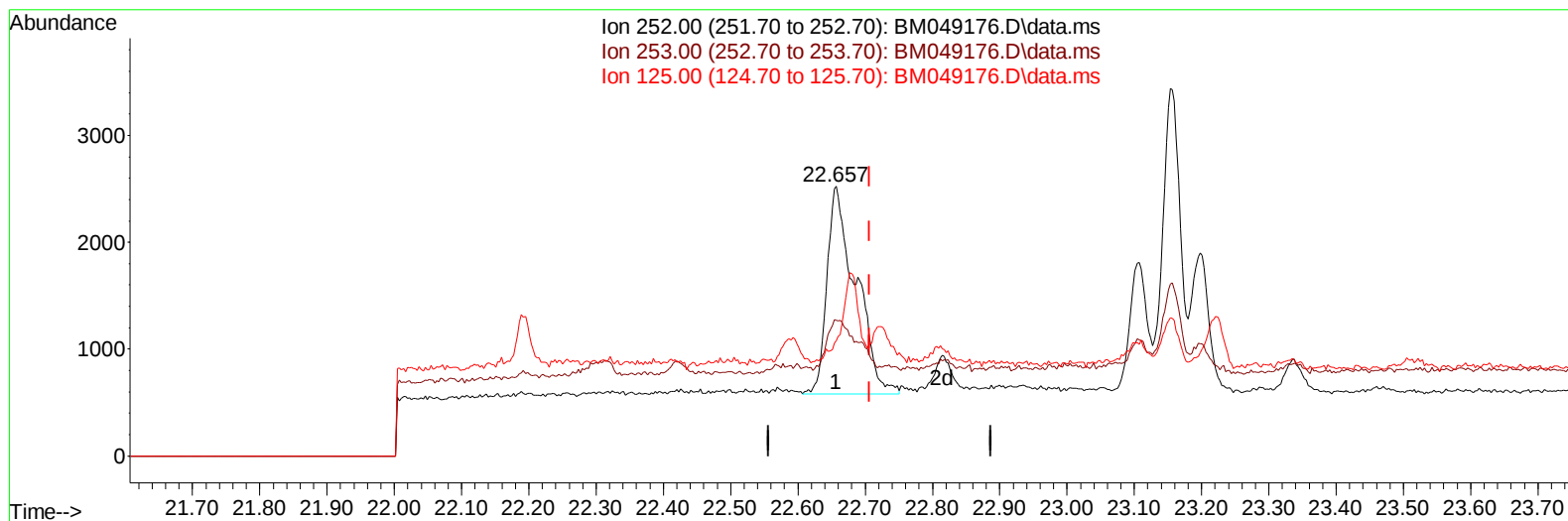
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049176.D
Acq On : 24 Dec 2024 09:59
Operator : RC/JU
Sample : P5331-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AQ1

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:39:22 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049176.D\data.ms

(25) Benzo(k)fluoranthene

22.657min (-0.050) 0.10 ng/u1

response 5758

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	50.32#
125.00	15.70	42.82#
0.00	0.00	0.00

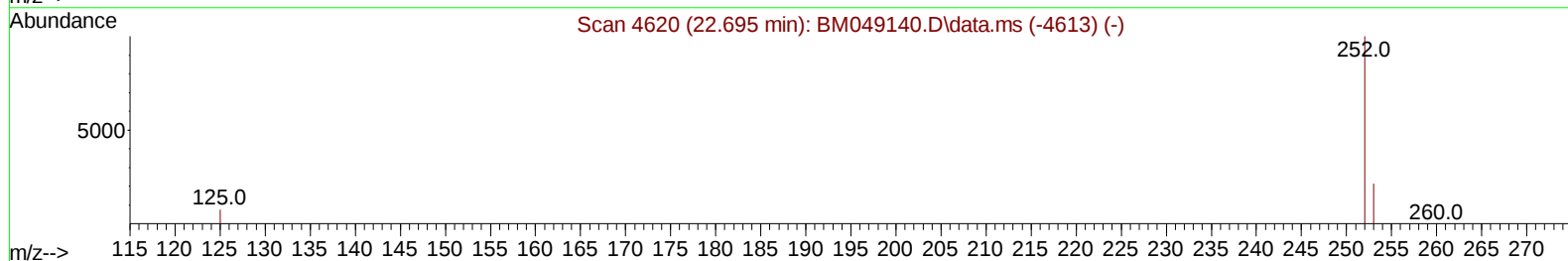
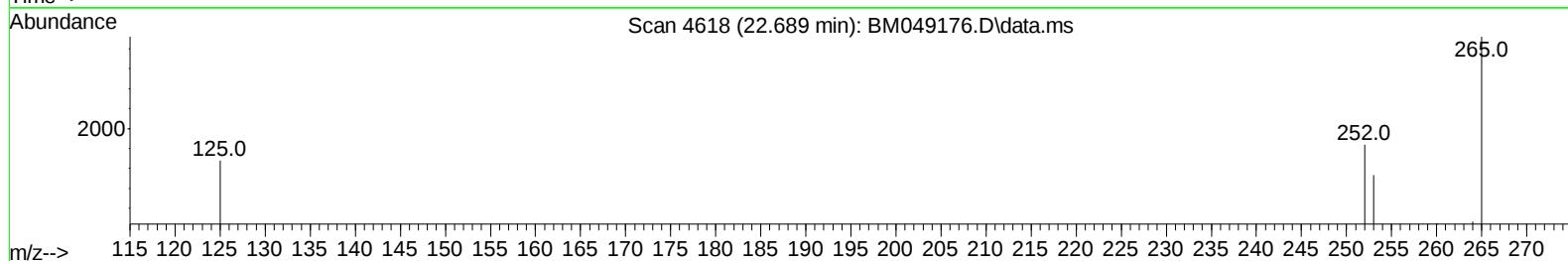
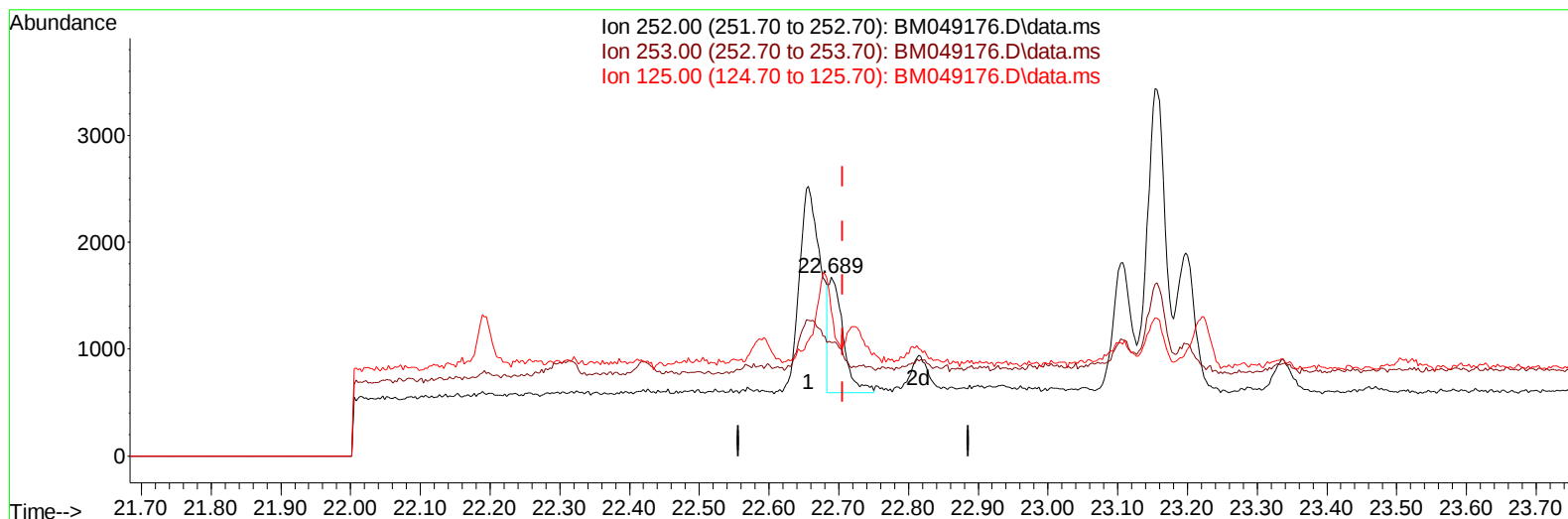
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049176.D
Acq On : 24 Dec 2024 09:59
Operator : RC/JU
Sample : P5331-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AQ1

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:39:22 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049176.D\data.ms

(25) Benzo(k)fluoranthene

22.689min (-0.018) 0.03 ng/u1 m

response 1563

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	63.54#
125.00	15.70	81.35#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
 Data File : BM049176.D
 Acq On : 24 Dec 2024 09:59
 Operator : RC/JU
 Sample : P5331-01
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2AQ1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/25/2024
 Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 24 21:39:22 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.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.552	152		5095	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.308	136		15064	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.186	164		8376	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.933	188		19313m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.137	240		17376m	0.400	ng/ul	0.00
23) Perylene-d12	23.291	264		16450m	0.400	ng/ul	-0.01
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.143	96		29411	5.005	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.914	152		6263	0.309	ng/ul	-0.01
18) Fluoranthene-d10	18.973	212		15438	0.313	ng/ul	0.00
Target Compounds							
						Qvalue	
15) Phenanthrene	16.975	178		1469m	0.029	ng/ul	
19) Fluoranthene	19.001	202		4685	0.075	ng/ul#	92
20) Pyrene	19.363	202		3808	0.057	ng/ul#	89
21) Benzo(a)anthracene	21.123	228		2085	0.034	ng/ul#	86
22) Chrysene	21.172	228		2767	0.043	ng/ul#	92
24) Benzo(b)fluoranthene	22.657	252		4195m	0.080	ng/ul	
25) Benzo(k)fluoranthene	22.689	252		1563m	0.027	ng/ul	
26) Benzo(a)pyrene	23.198	252		2263	0.045	ng/ul#	40
27) Indeno(1,2,3-cd)pyrene	25.427	276		2017	0.028	ng/ul#	85
29) Benzo(g,h,i)perylene	26.078	276		2241	0.039	ng/ul#	73

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049176.D
Acq On : 24 Dec 2024 09:59
Operator : RC/JU
Sample : P5331-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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