

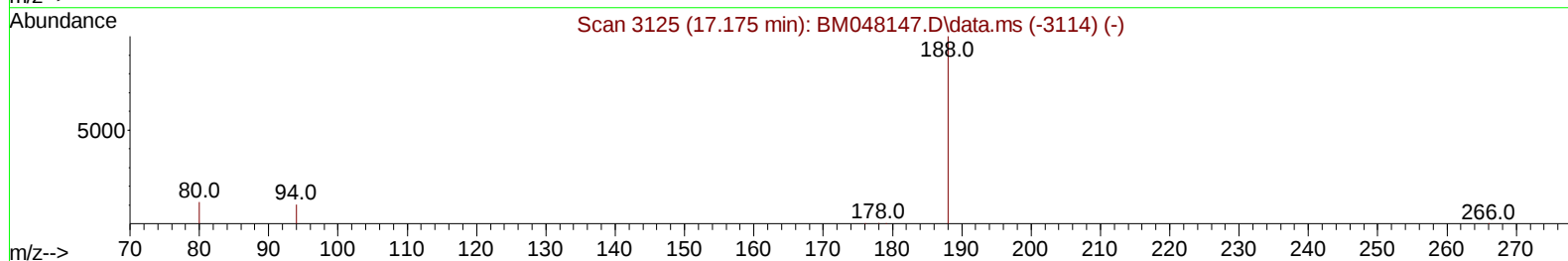
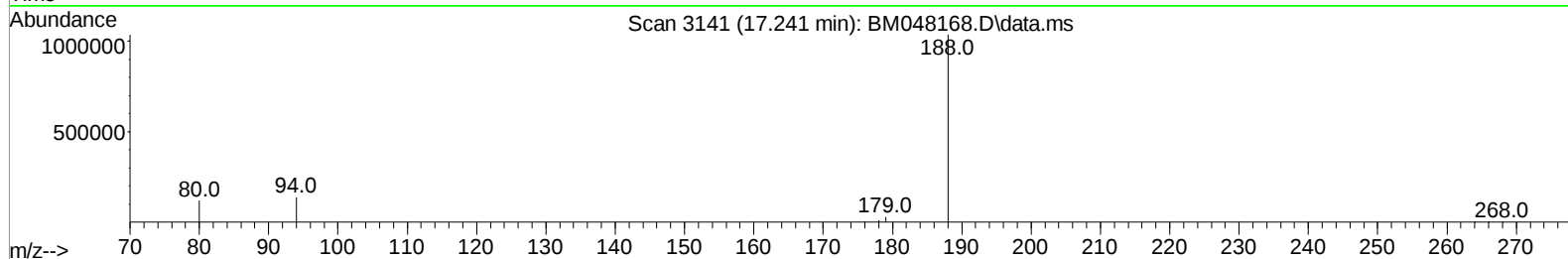
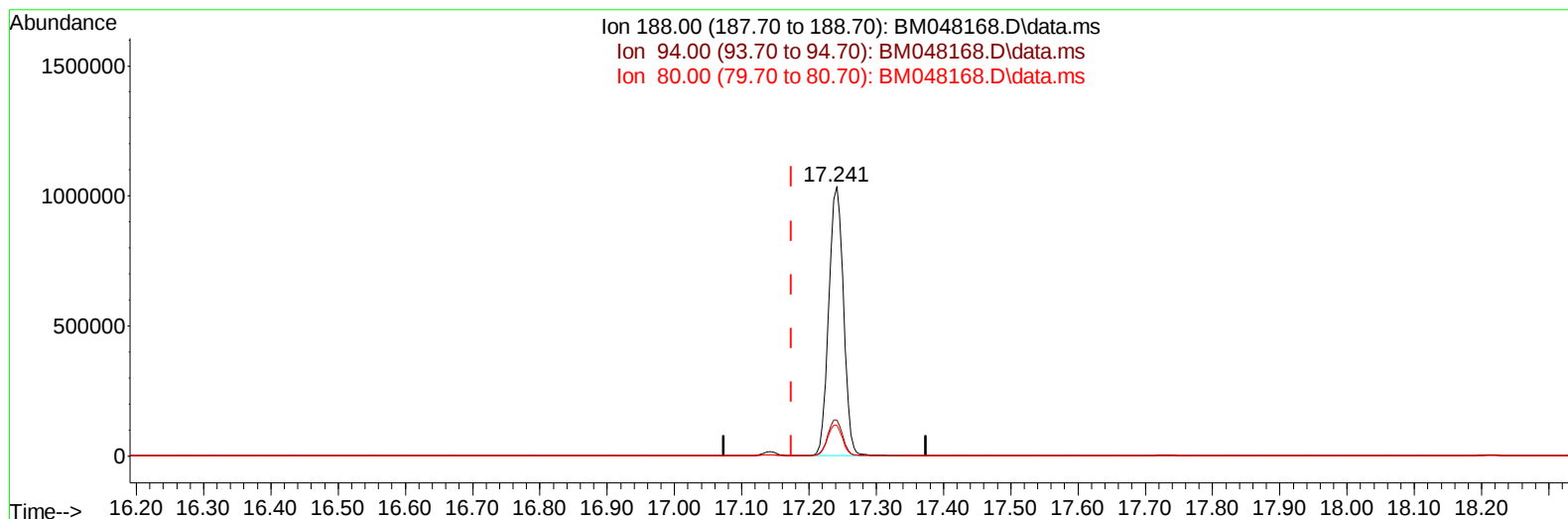
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048168.D
Acq On : 21 Oct 2024 23:39
Operator : RC/JU
Sample : P4380-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G9

Manual IntegrationsAPPROVED

Quant Time: Oct 22 00:11:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 21 23:11:55 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048168.D\data.ms

(13) Phenanthrene-d10 (I)

17.241min (+ 0.067) 0.40 ng/u1

response 1572011

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.80	13.39
80.00	12.40	11.43
0.00	0.00	0.00

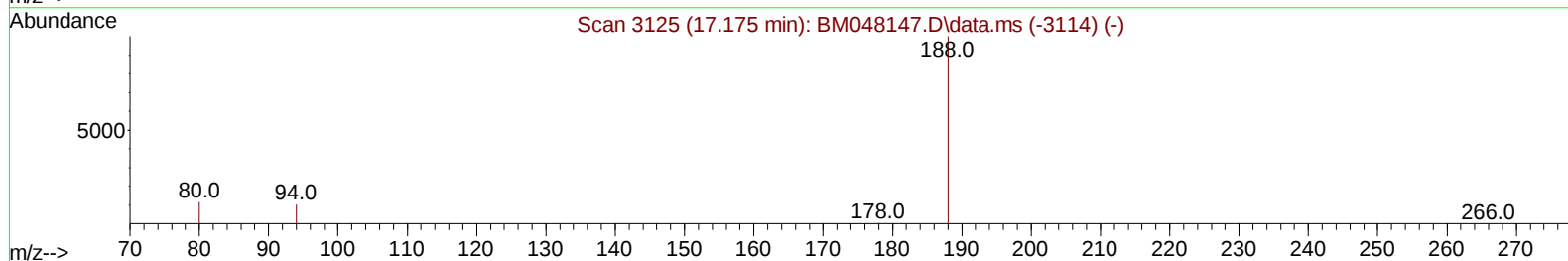
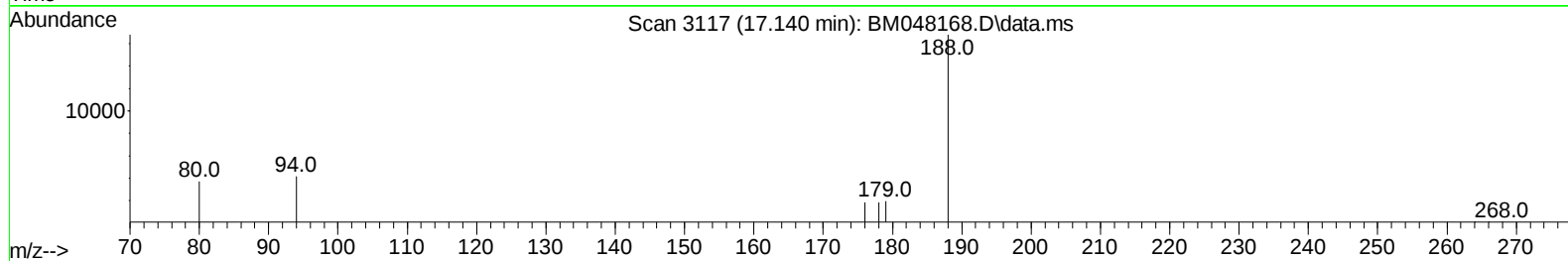
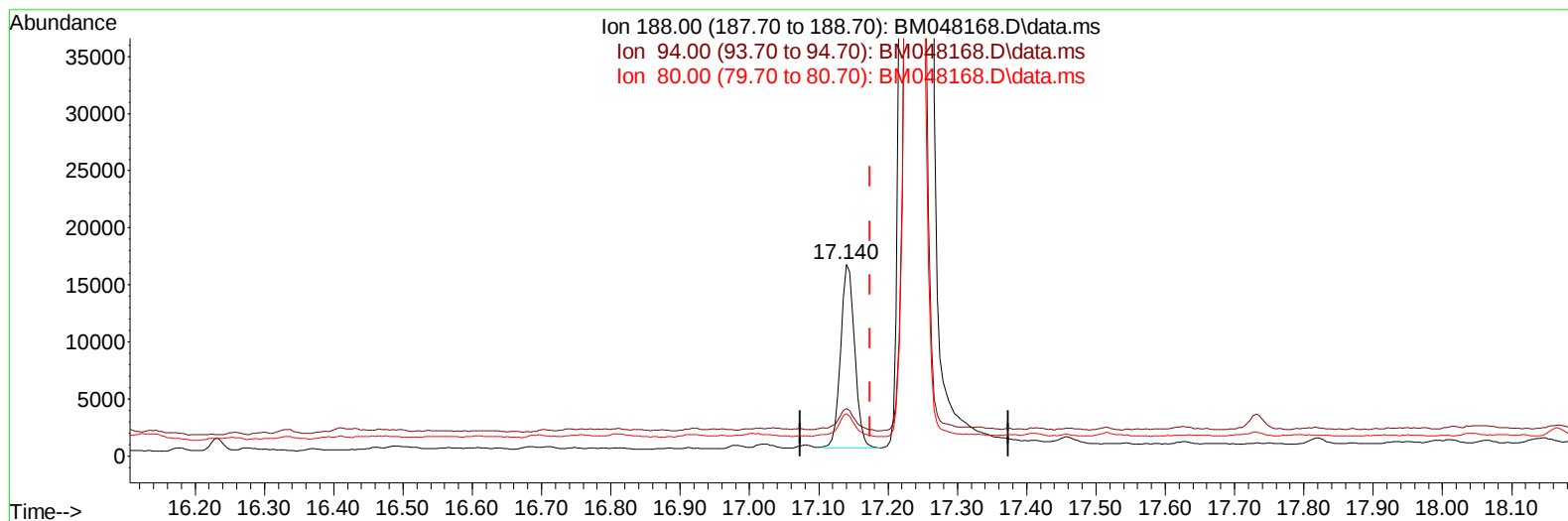
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048168.D
Acq On : 21 Oct 2024 23:39
Operator : RC/JU
Sample : P4380-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G9

Manual IntegrationsAPPROVED

Quant Time: Oct 22 00:11:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 21 23:11:55 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048168.D\data.ms

(13) Phenanthrene-d10 (I)

17.140min (-0.034) 0.40 ng/ul m

response 22637

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.80	24.84#
80.00	12.40	22.05#
0.00	0.00	0.00

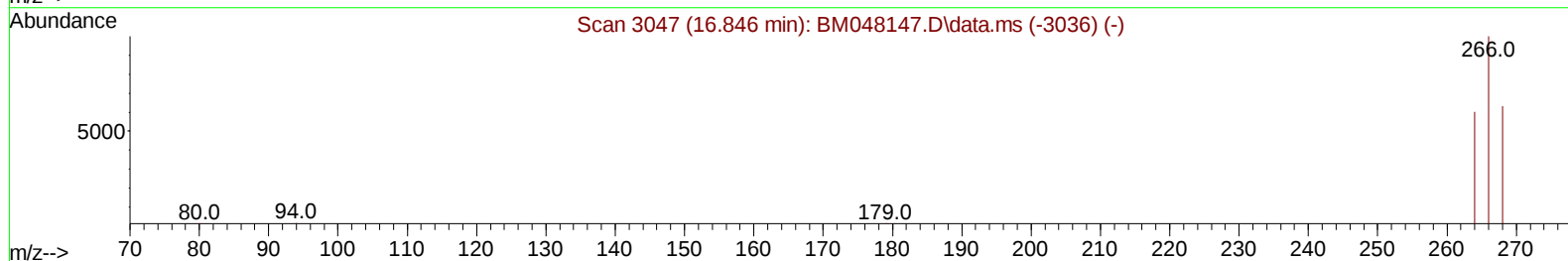
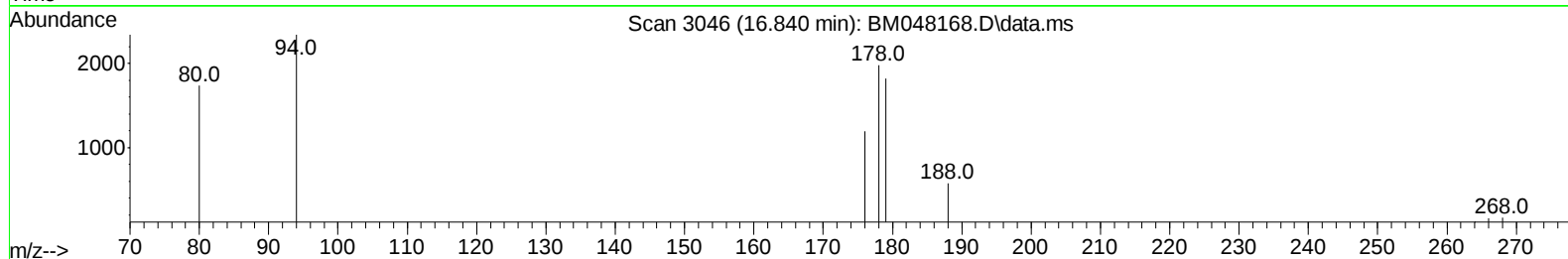
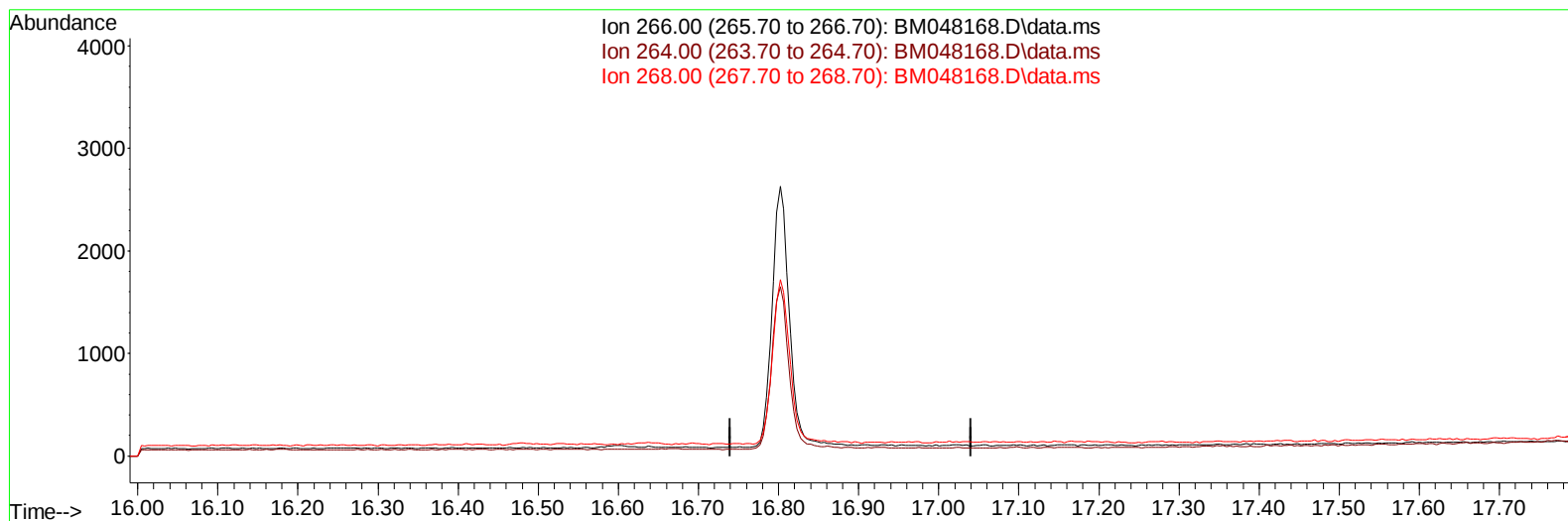
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
 Data File : BM048168.D
 Acq On : 21 Oct 2024 23:39
 Operator : RC/JU
 Sample : P4380-12
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E27G9

Manual IntegrationsAPPROVED

Quant Time: Oct 22 00:11:01 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 23:11:55 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/22/2024
 Supervised By :mohammad ahmed 10/23/2024



TIC: BM048168.D\data.ms

(14) Pentachlorophenol

16.840min (-16.840) 0.00 ng/ul

response 0

Ion	Exp%	Act%
266.00	100.00	0.00
264.00	62.70	0.00#
268.00	64.70	0.00#
0.00	0.00	0.00

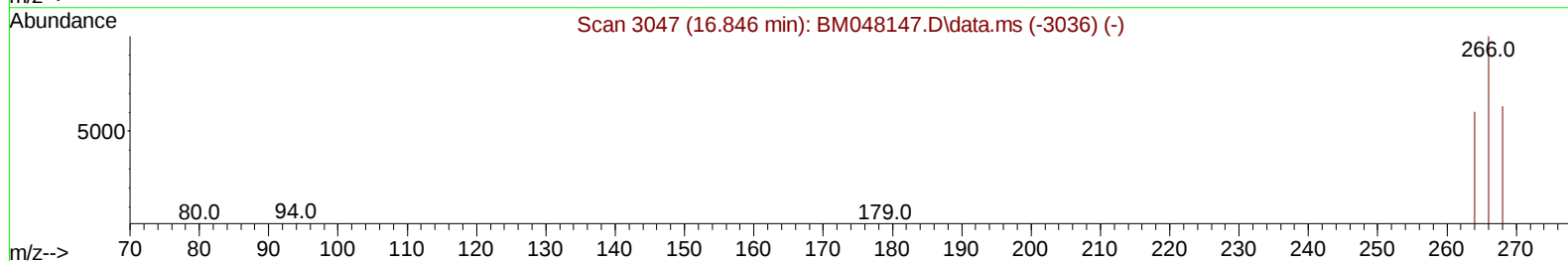
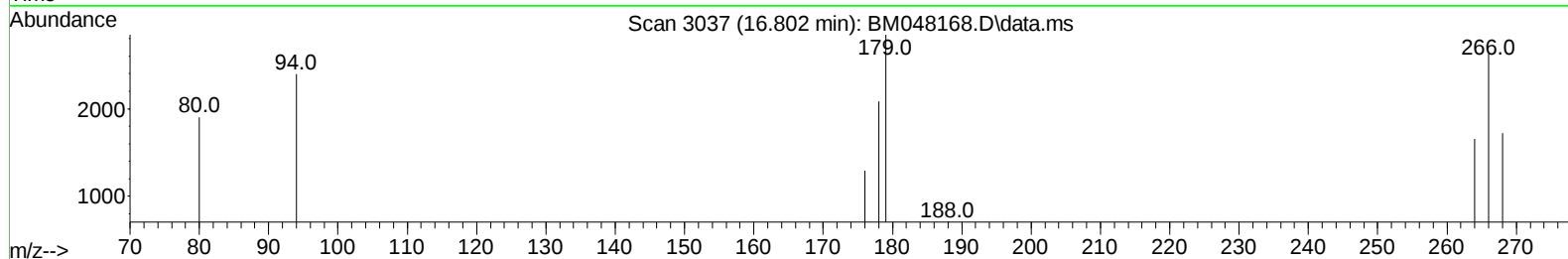
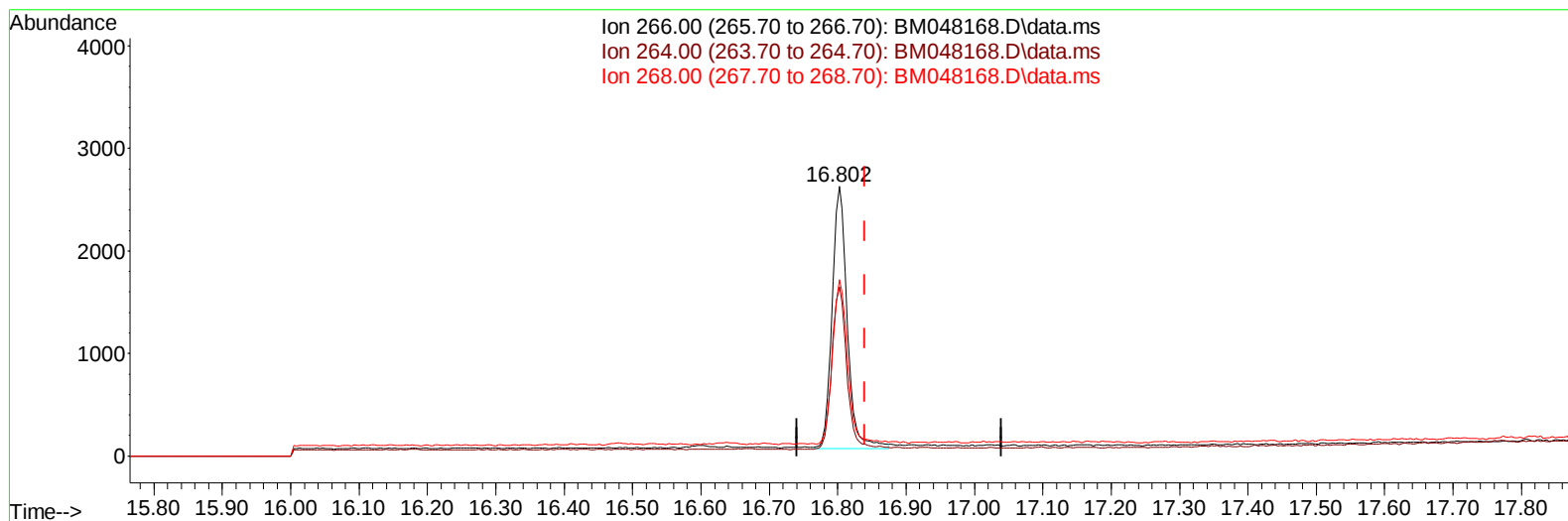
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048168.D
Acq On : 21 Oct 2024 23:39
Operator : RC/JU
Sample : P4380-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G9

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024

Quant Time: Oct 22 00:11:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 21 23:11:55 2024
Response via : Initial Calibration



TIC: BM048168.D\data.ms

(14) Pentachlorophenol

16.802min (-0.038) 0.51 ng/u1 m

response 3908

Ion	Exp%	Act%
266.00	100.00	100.00
264.00	62.70	0.00#
268.00	64.70	0.00#
0.00	0.00	0.00

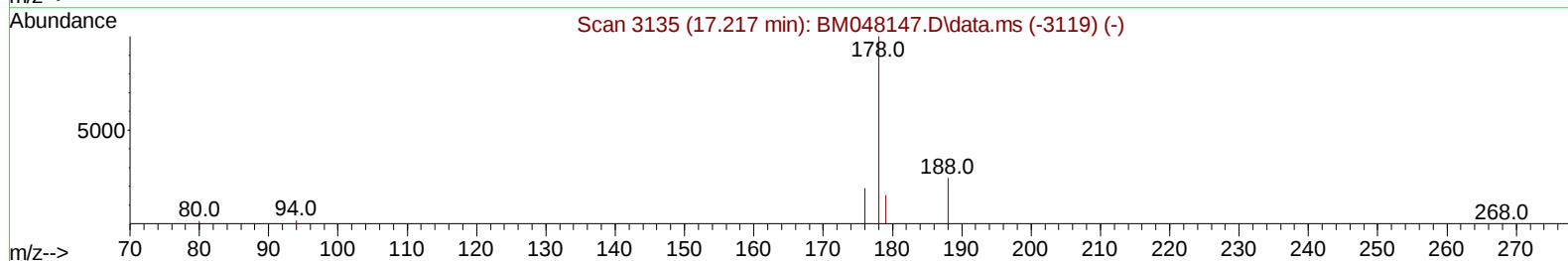
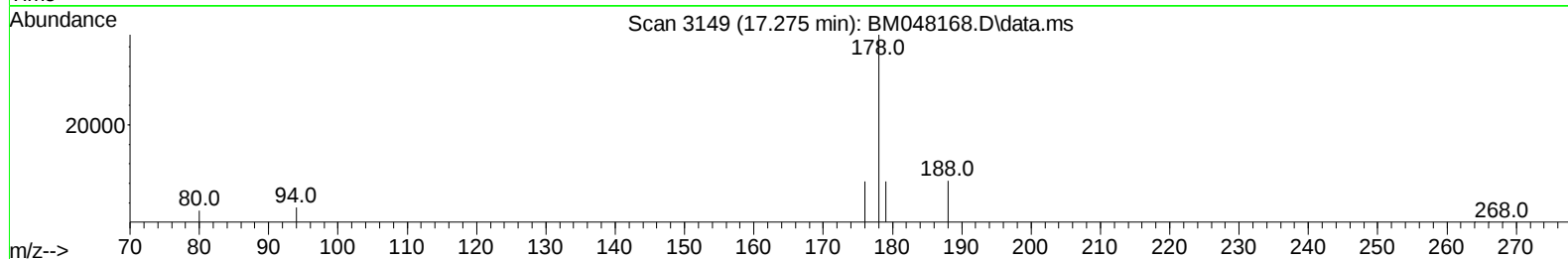
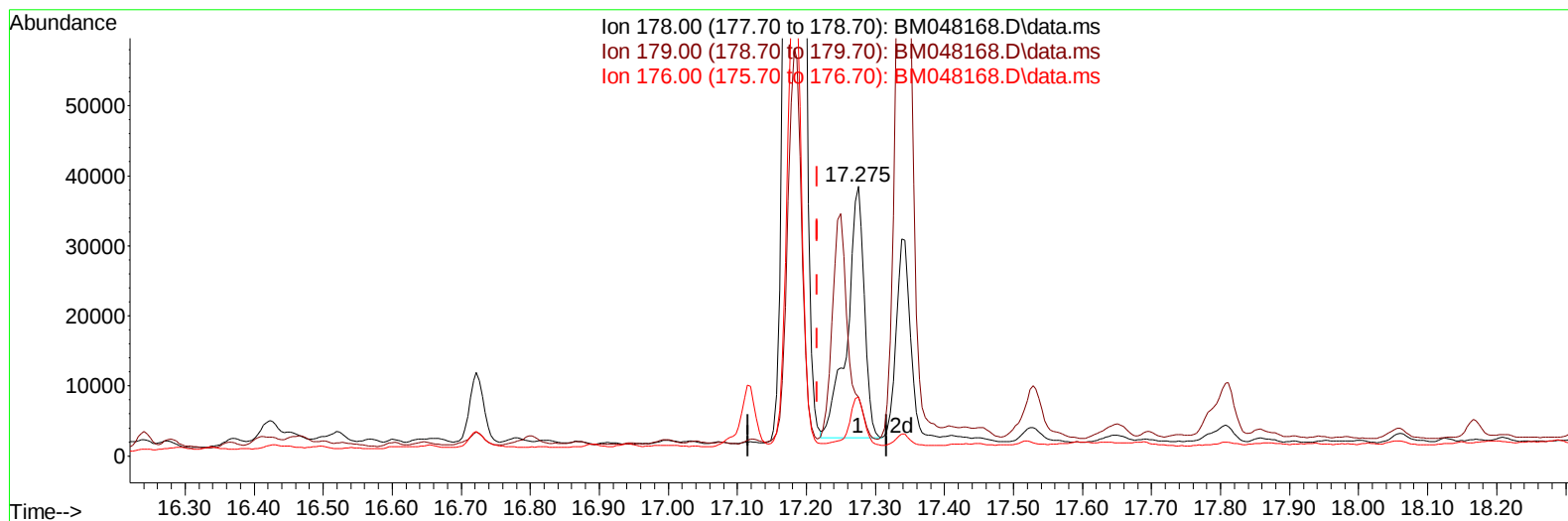
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048168.D
Acq On : 21 Oct 2024 23:39
Operator : RC/JU
Sample : P4380-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G9

Manual IntegrationsAPPROVED

Quant Time: Oct 22 00:11:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 21 23:11:55 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048168.D\data.ms

(15) Phenanthrene

17.275min (+ 0.059) 1.08 ng/u1

response 61636

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.50	21.84#
176.00	20.00	21.81
0.00	0.00	0.00

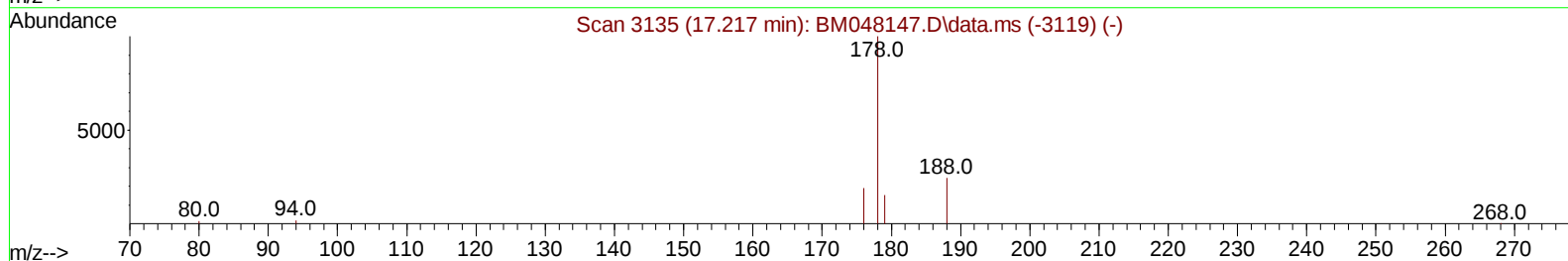
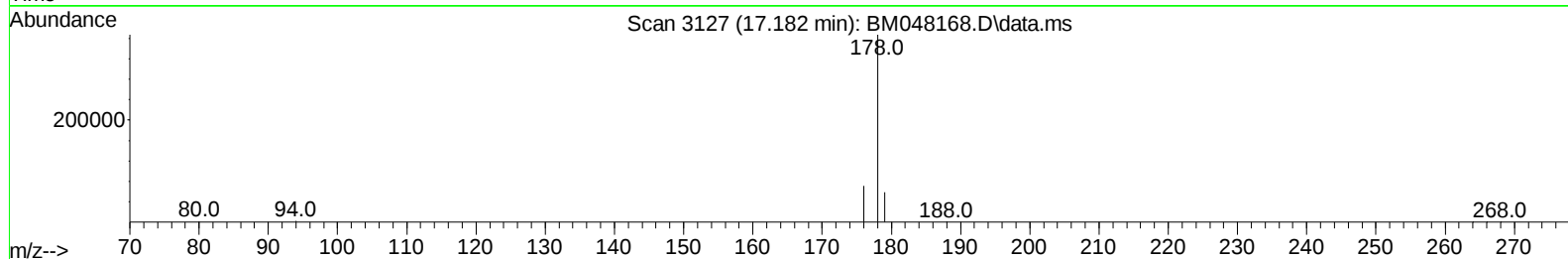
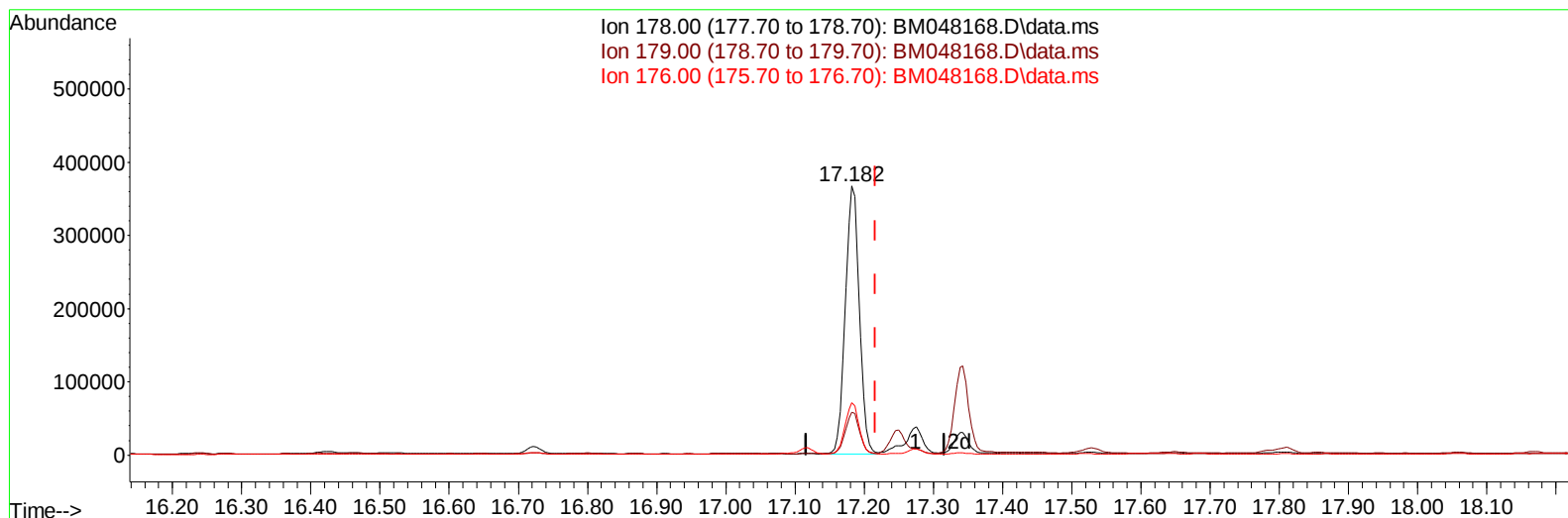
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
 Data File : BM048168.D
 Acq On : 21 Oct 2024 23:39
 Operator : RC/JU
 Sample : P4380-12
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E27G9

Manual IntegrationsAPPROVED

Quant Time: Oct 22 00:11:01 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 23:11:55 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/22/2024
 Supervised By :mohammad ahmed 10/23/2024



TIC: BM048168.D\data.ms

(15) Phenanthrene

17.182min (-0.034) 9.02 ng/ul m

response 516079

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.50	15.84
176.00	20.00	19.43
0.00	0.00	0.00

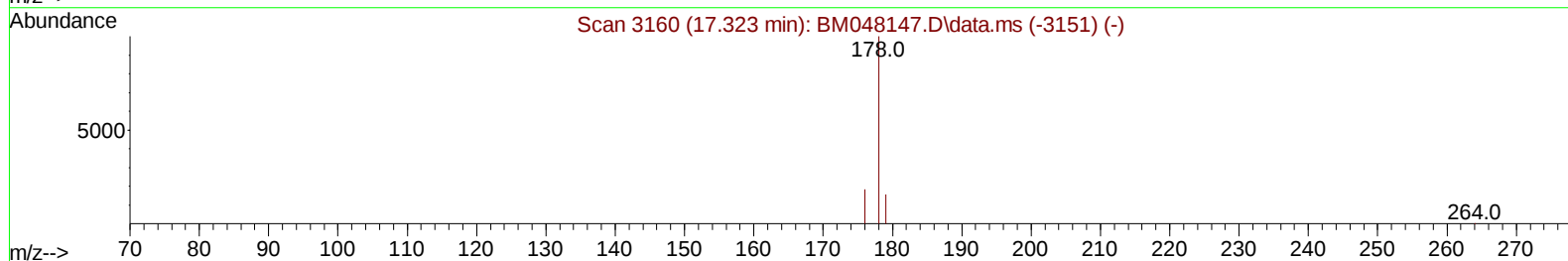
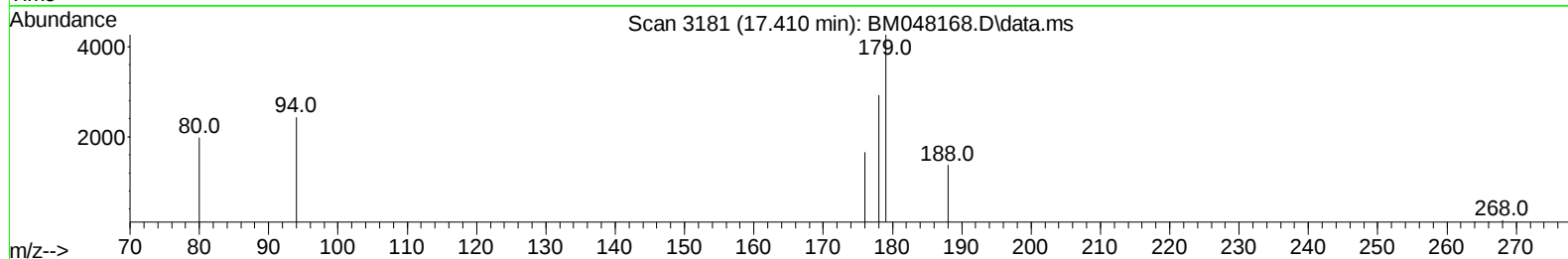
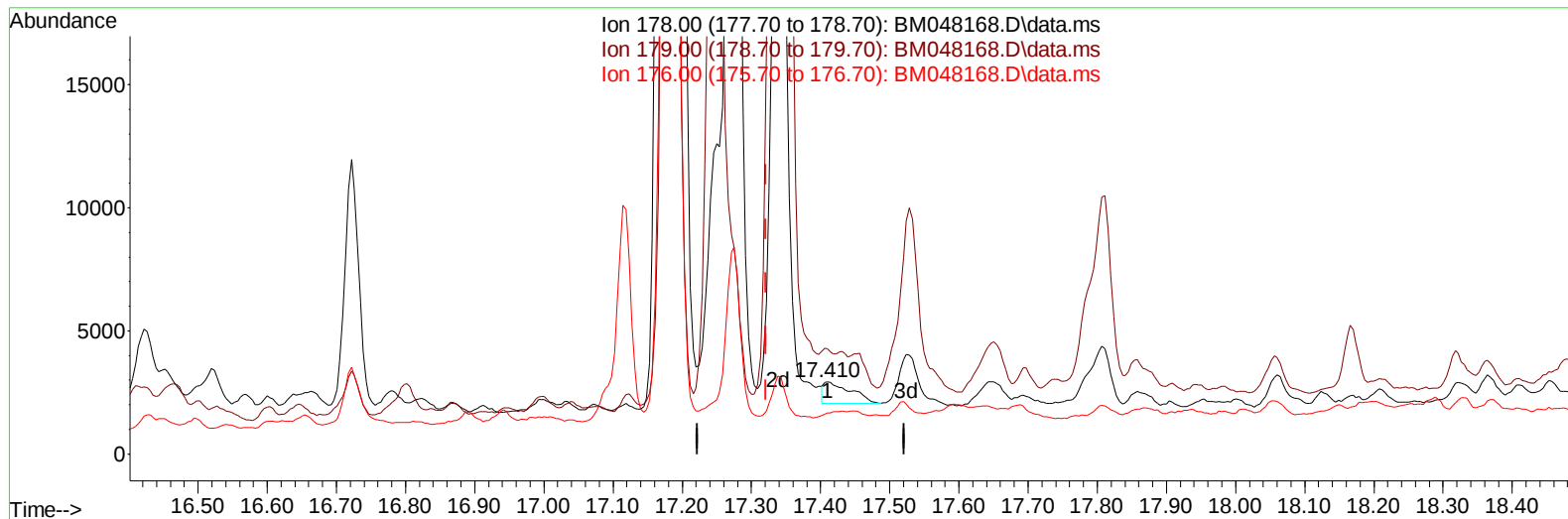
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048168.D
Acq On : 21 Oct 2024 23:39
Operator : RC/JU
Sample : P4380-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G9

Manual IntegrationsAPPROVED

Quant Time: Oct 22 00:11:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 21 23:11:55 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048168.D\data.ms

(16) Anthracene

17.410min (+ 0.088) 0.04 ng/u1

response 2318

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.10	145.78#
176.00	20.00	56.58#
0.00	0.00	0.00

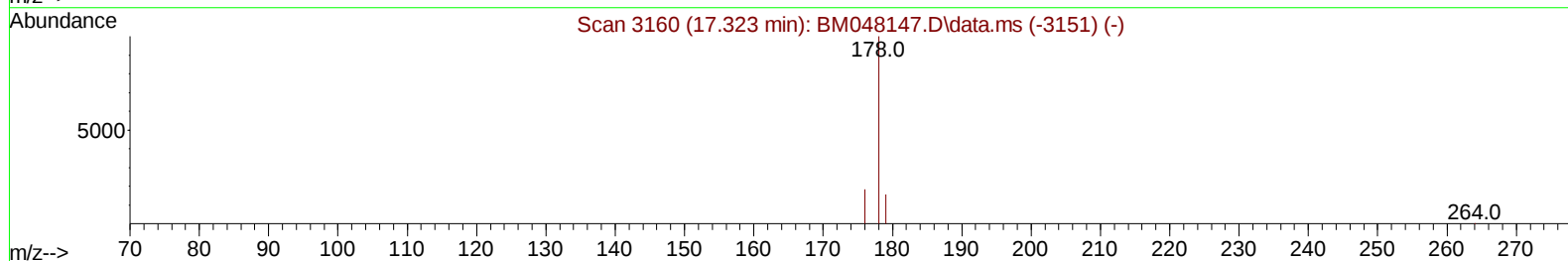
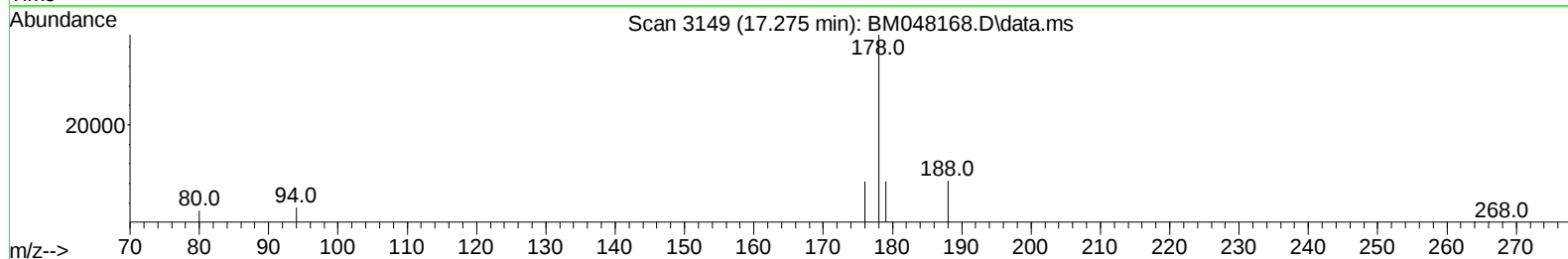
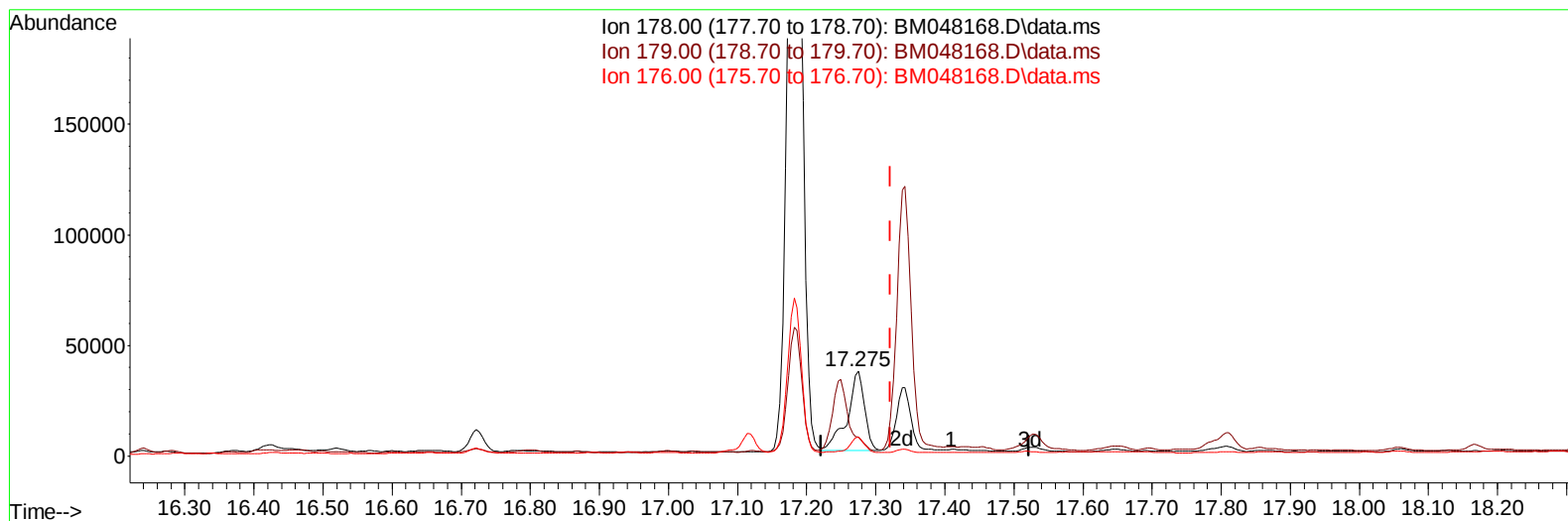
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048168.D
Acq On : 21 Oct 2024 23:39
Operator : RC/JU
Sample : P4380-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G9

Manual IntegrationsAPPROVED

Quant Time: Oct 22 00:11:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 21 23:11:55 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048168.D\data.ms

(16) Anthracene

17.275min (-0.047) 1.16 ng/ul m

response 62779

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.10	21.84#
176.00	20.00	21.81
0.00	0.00	0.00

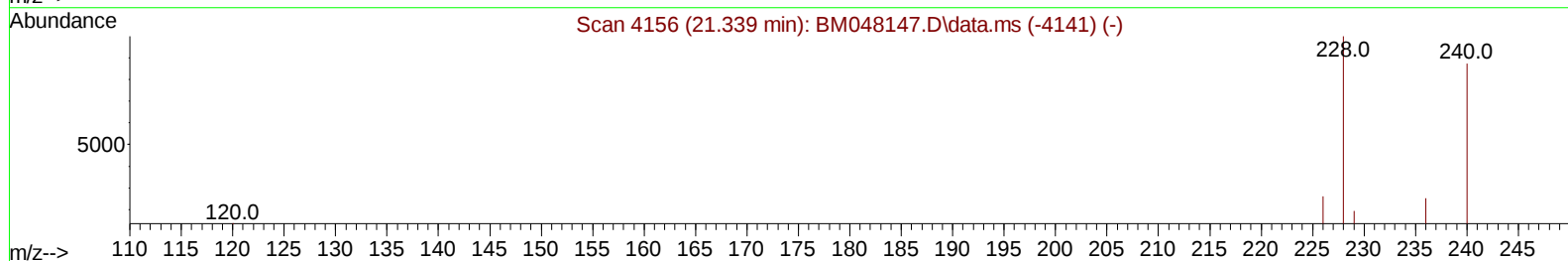
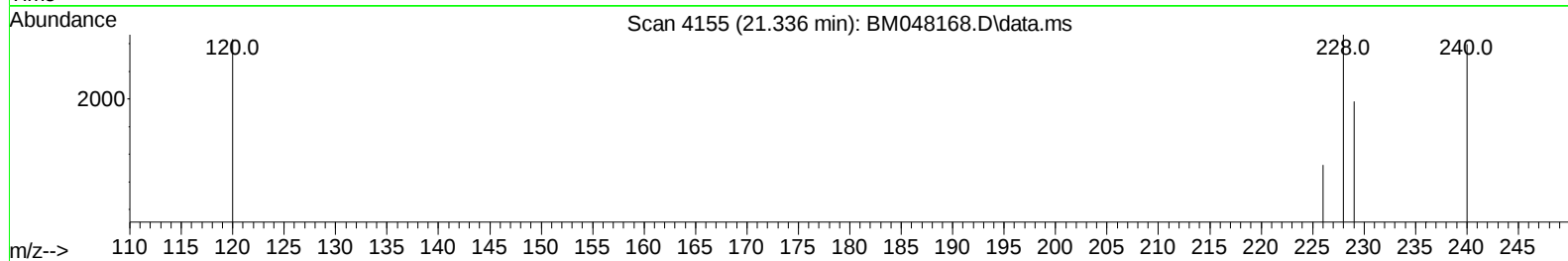
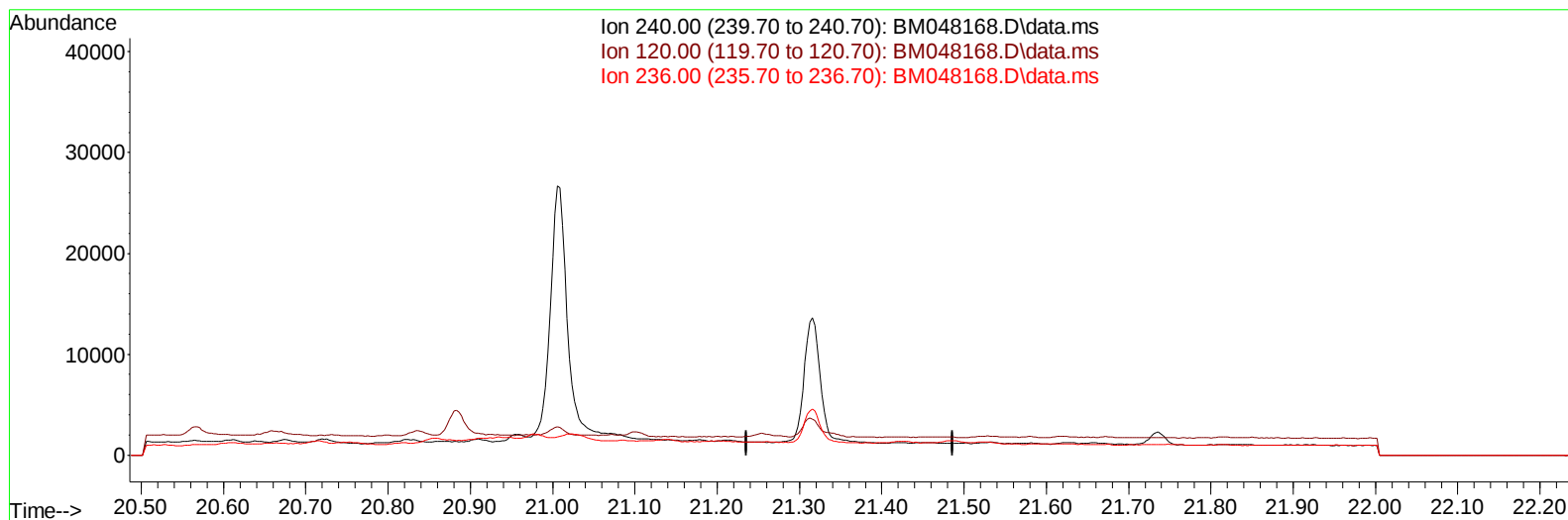
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048168.D
Acq On : 21 Oct 2024 23:39
Operator : RC/JU
Sample : P4380-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G9

Manual IntegrationsAPPROVED

Quant Time: Oct 22 00:11:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

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TIC: BM048168.D\data.ms

(17) Chrysene-d12

21.336min (-21.336) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	22.80	0.00#
236.00	30.60	0.00#
0.00	0.00	0.00

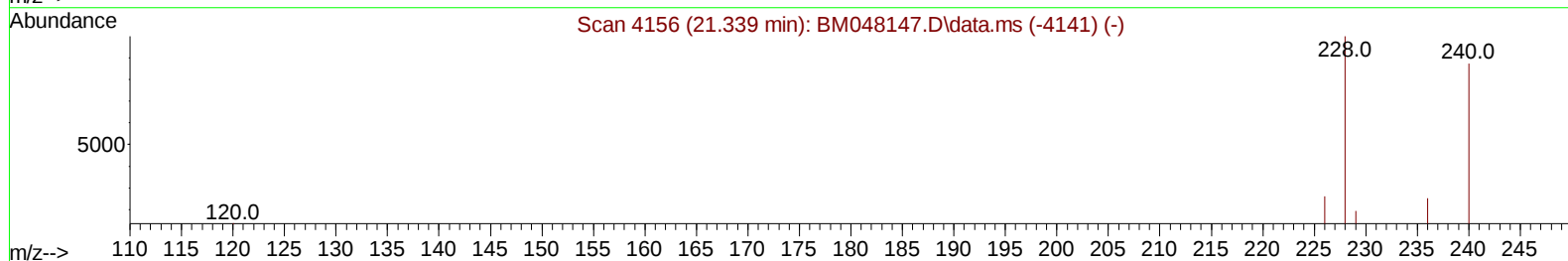
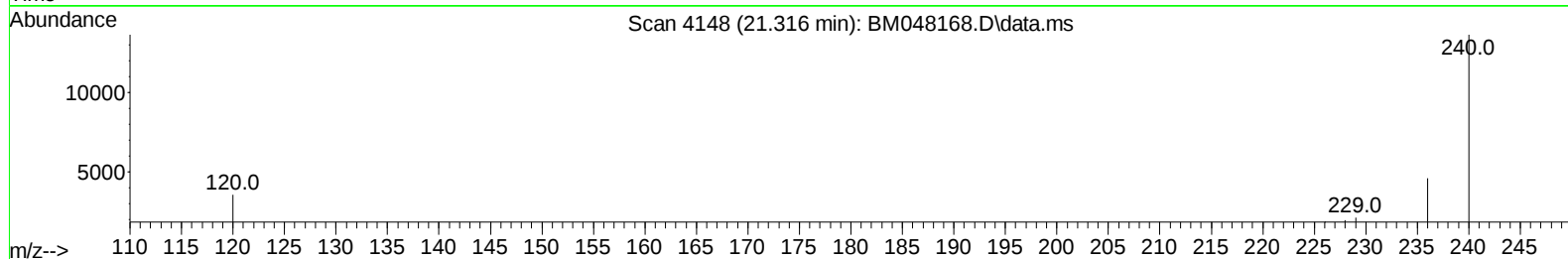
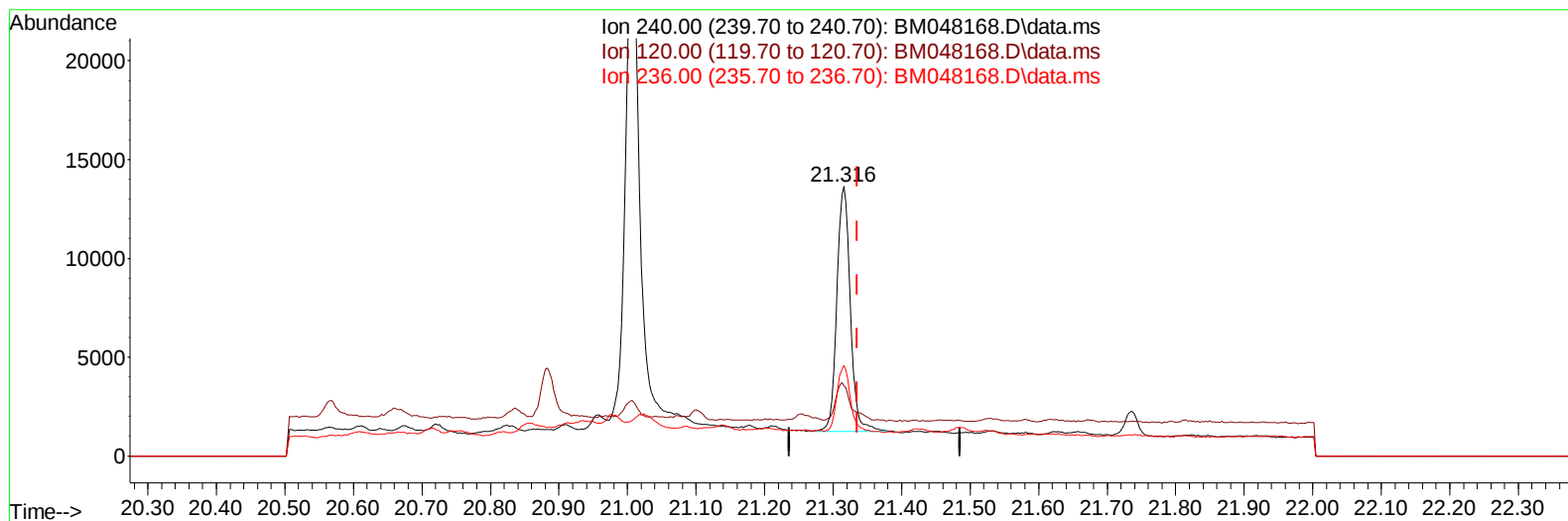
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048168.D
Acq On : 21 Oct 2024 23:39
Operator : RC/JU
Sample : P4380-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G9

Manual IntegrationsAPPROVED

Quant Time: Oct 22 00:11:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 21 23:11:55 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048168.D\data.ms

(17) Chrysene-d12

21.316min (-0.021) 0.40 ng/u1 m

response 16927

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	22.80	26.14
236.00	30.60	33.62
0.00	0.00	0.00

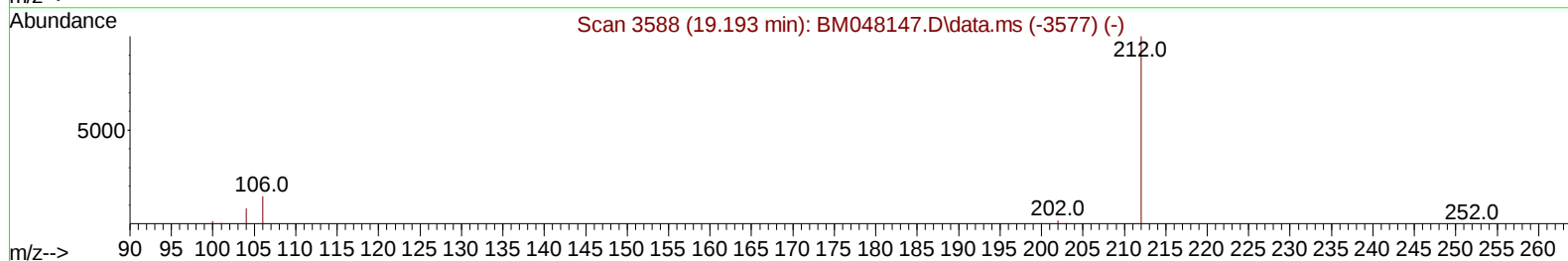
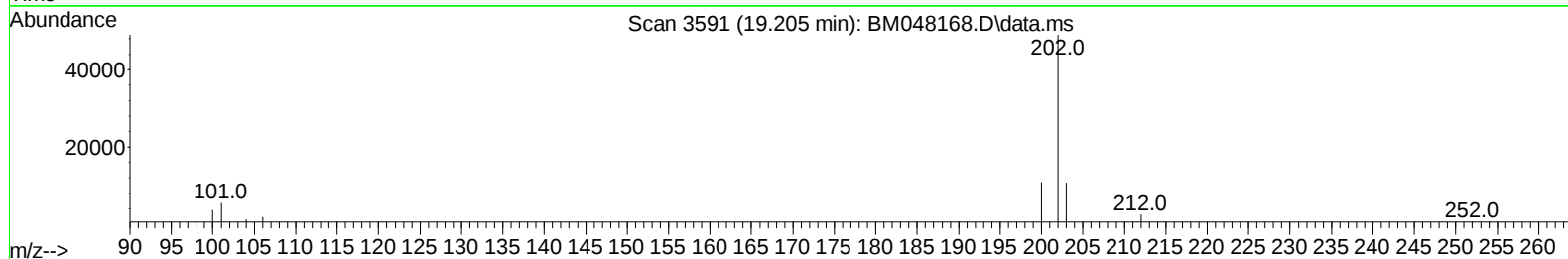
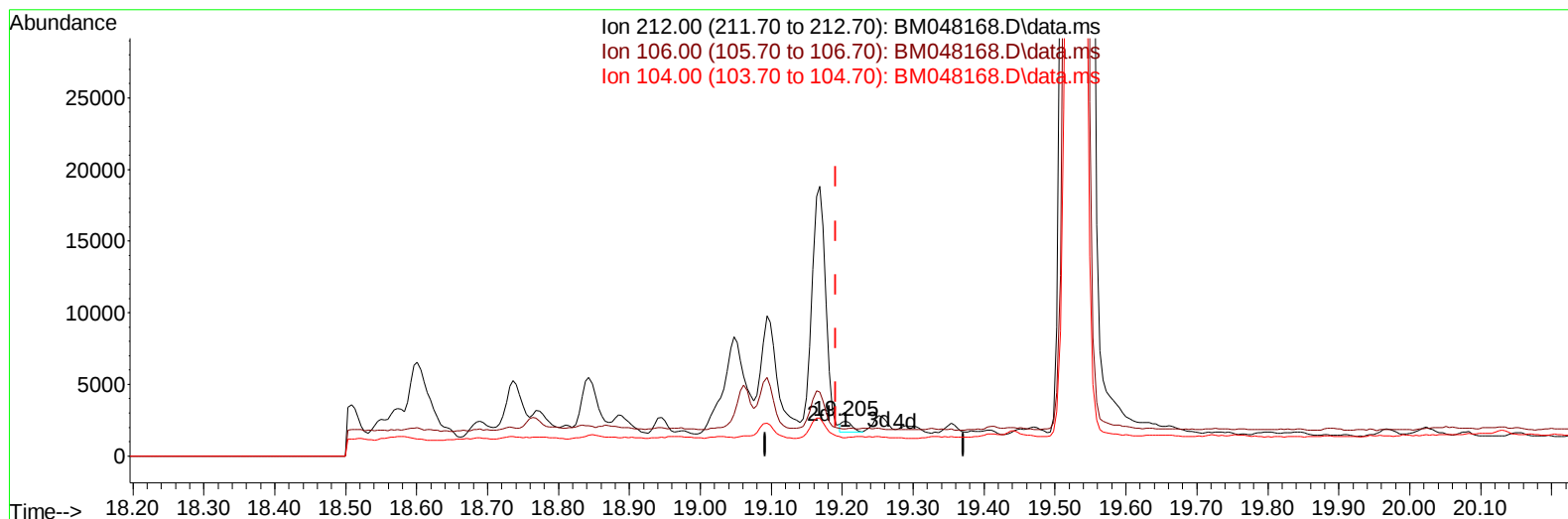
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048168.D
Acq On : 21 Oct 2024 23:39
Operator : RC/JU
Sample : P4380-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G9

Manual IntegrationsAPPROVED

Quant Time: Oct 22 00:11:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 21 23:11:55 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048168.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.205min (+ 0.014) 0.01 ng/u1

response 728

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	15.00	0.00#
104.00	8.80	0.00#
0.00	0.00	0.00

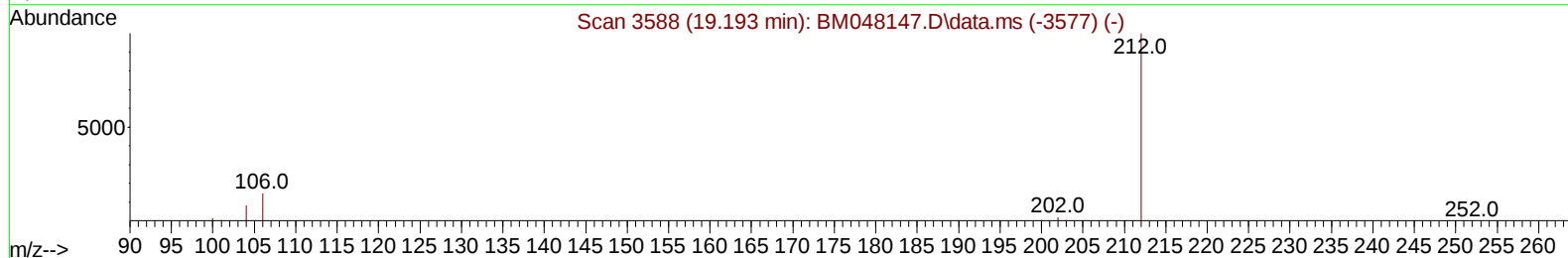
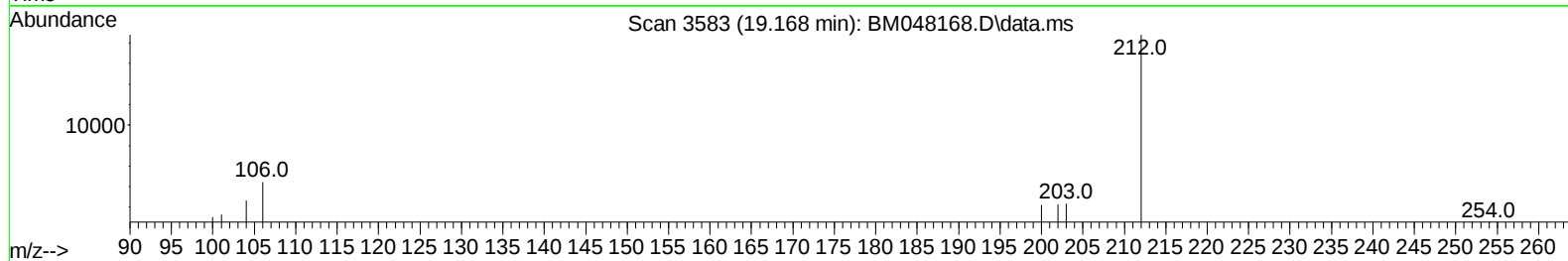
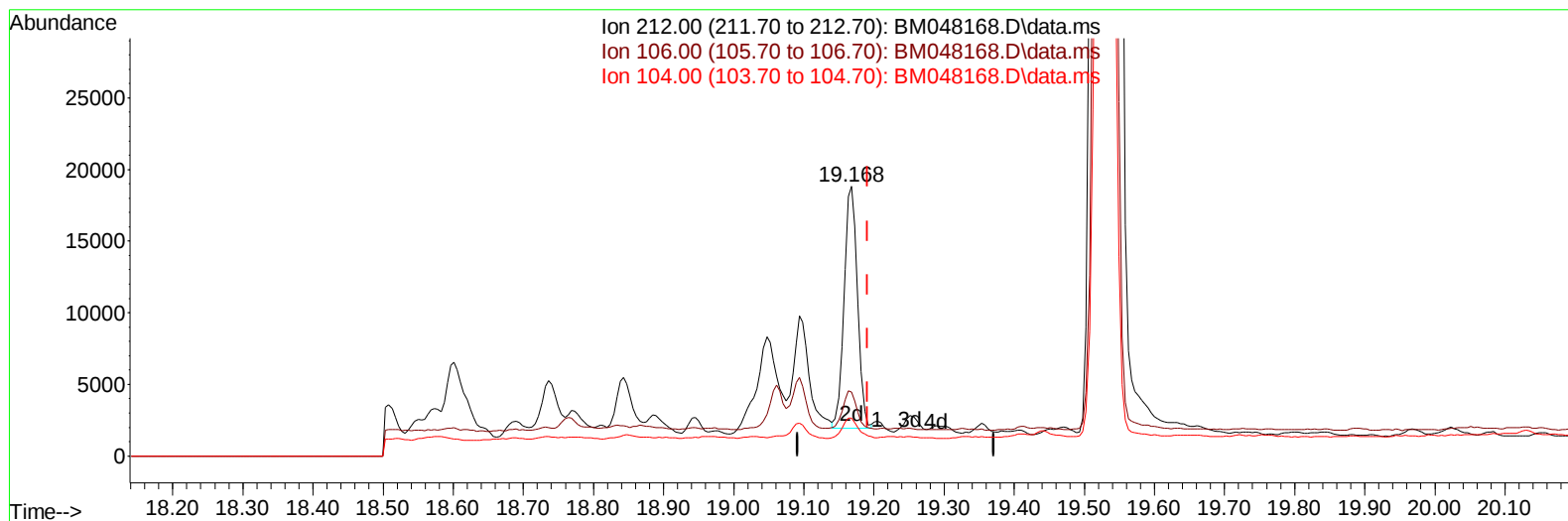
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048168.D
Acq On : 21 Oct 2024 23:39
Operator : RC/JU
Sample : P4380-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G9

Manual IntegrationsAPPROVED

Quant Time: Oct 22 00:11:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 21 23:11:55 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048168.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.168min (-0.023) 0.46 ng/u1 m

response 22606

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	15.00	0.00#
104.00	8.80	0.00#
0.00	0.00	0.00

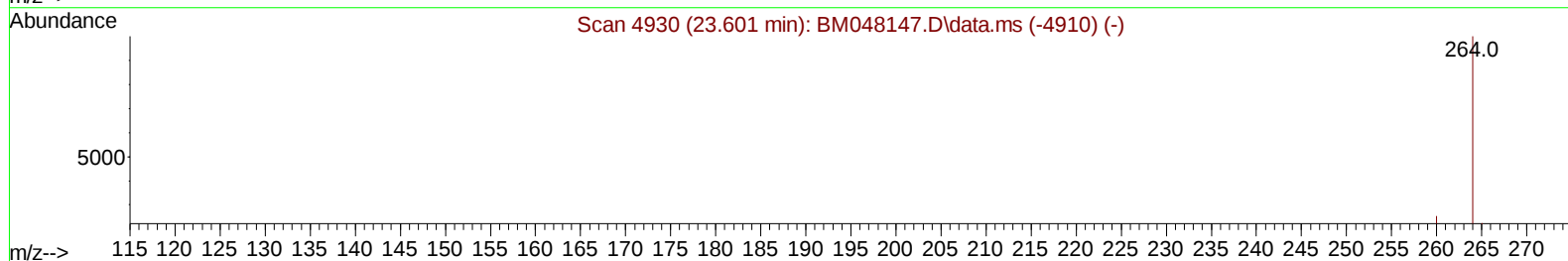
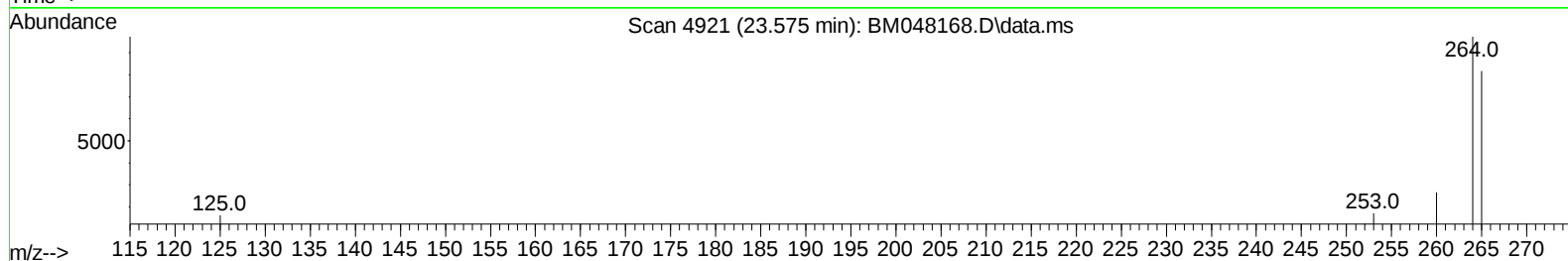
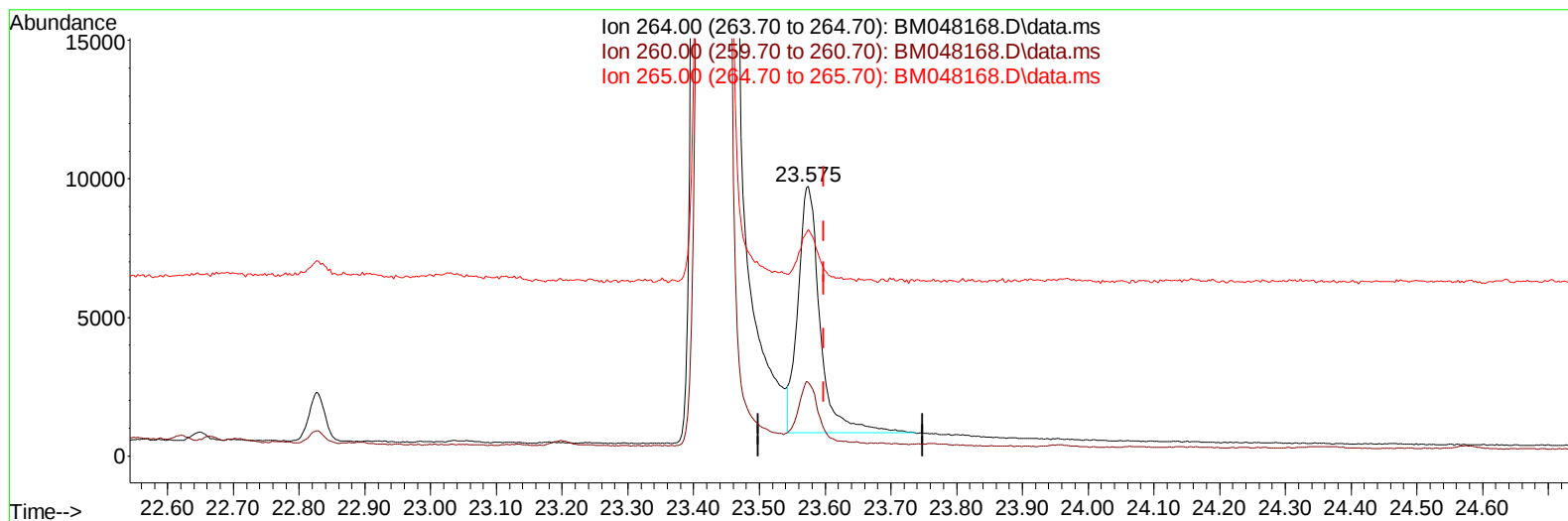
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048168.D
Acq On : 21 Oct 2024 23:39
Operator : RC/JU
Sample : P4380-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G9

Manual IntegrationsAPPROVED

Quant Time: Oct 22 00:11:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 21 23:11:55 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048168.D\data.ms

(23) Perylene-d12 (I)

23.575min (-0.024) 0.40 ng/u1

response 20544

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.80	27.34
265.00	128.10	84.08#
0.00	0.00	0.00

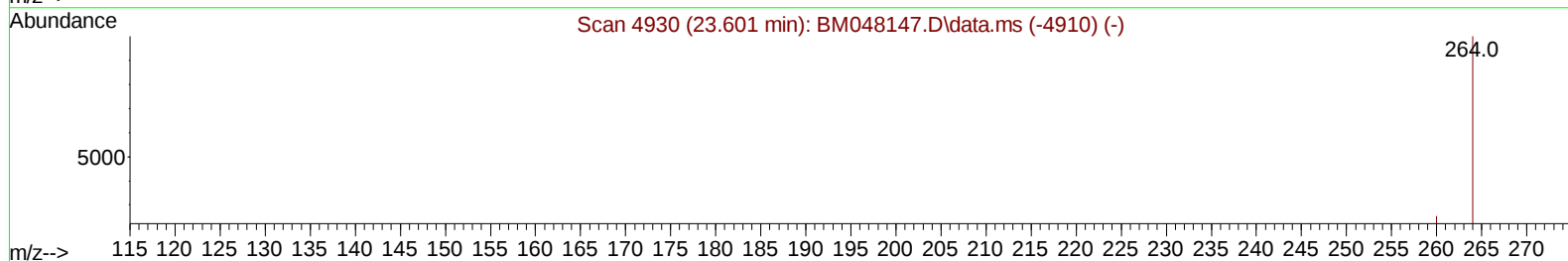
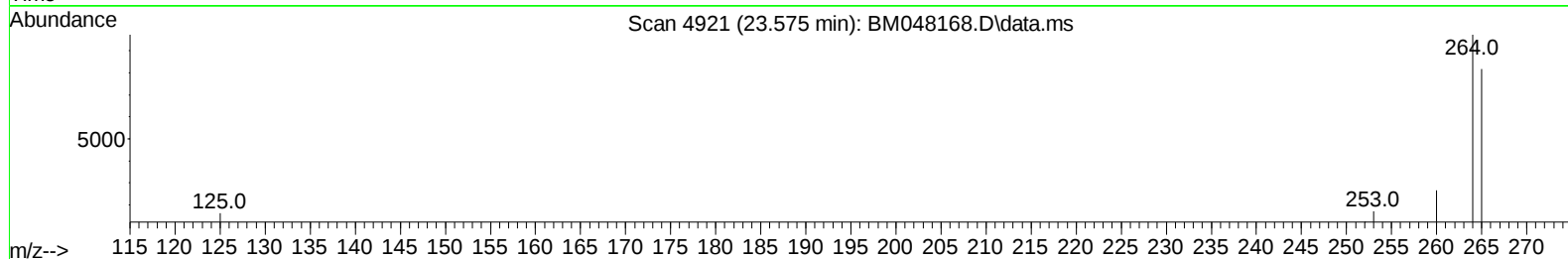
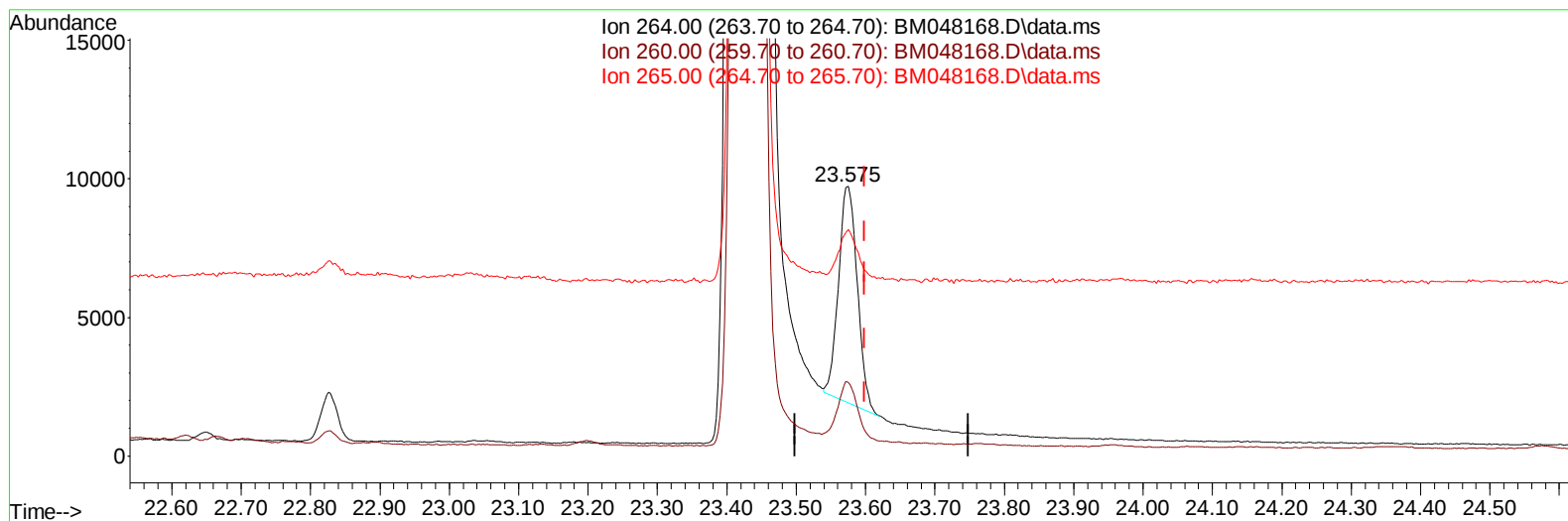
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048168.D
Acq On : 21 Oct 2024 23:39
Operator : RC/JU
Sample : P4380-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G9

Manual IntegrationsAPPROVED

Quant Time: Oct 22 00:11:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 21 23:11:55 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048168.D\data.ms

(23) Perylene-d12 (I)

23.575min (-0.024) 0.40 ng/ul m

response 14593

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.80	27.34
265.00	128.10	84.08#
0.00	0.00	0.00

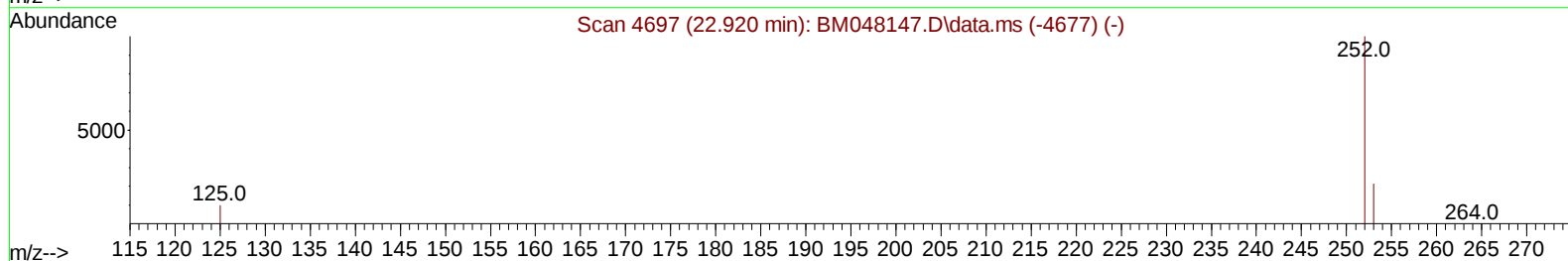
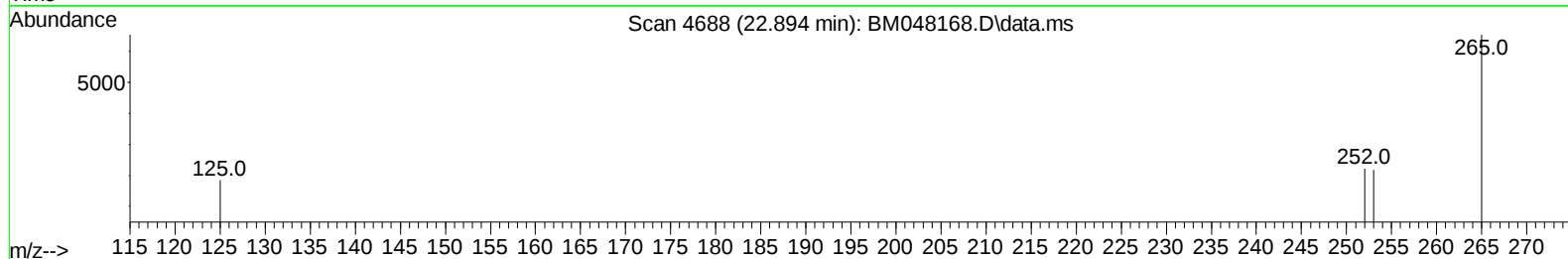
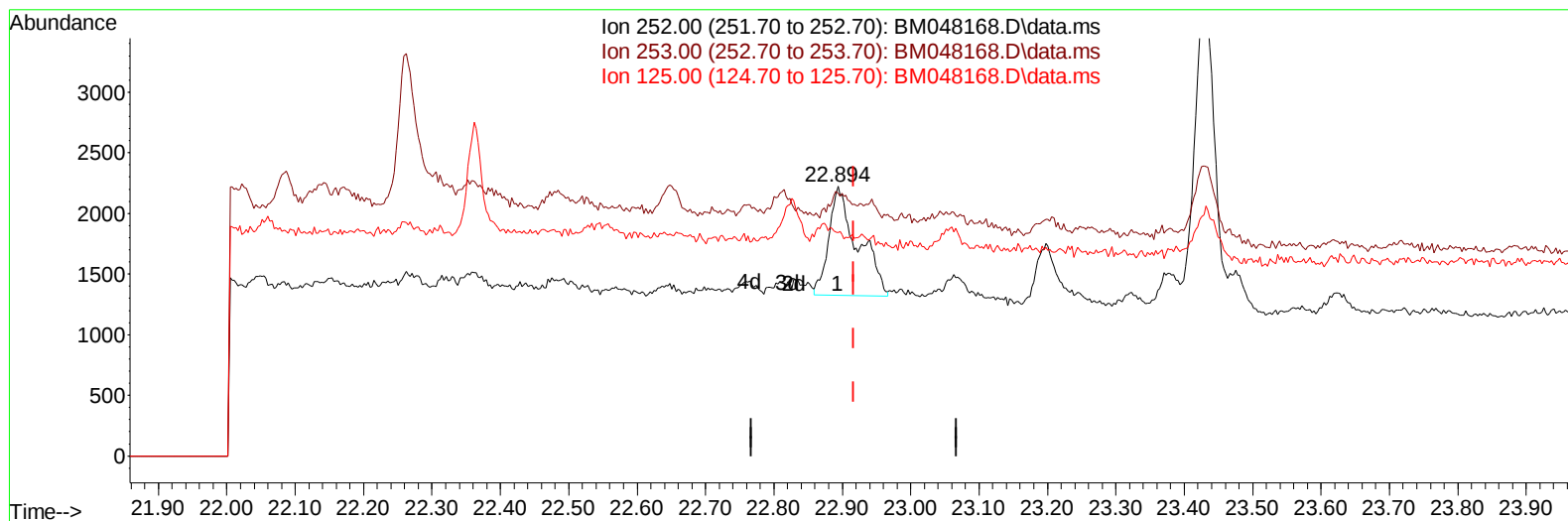
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TIC: BM048168.D\data.ms

(24) Benzo(b)fluoranthene

22.894min (-0.024) 0.05 ng/u1

response 2650

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.80	97.57#
125.00	21.40	82.90#
0.00	0.00	0.00

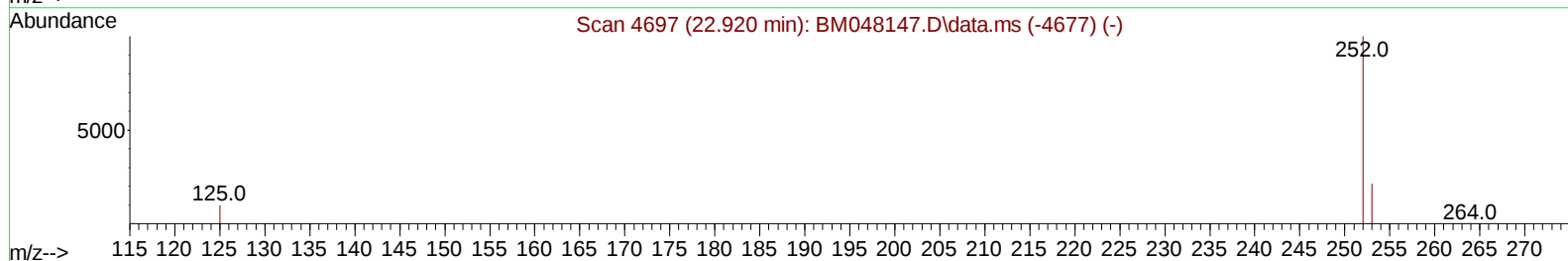
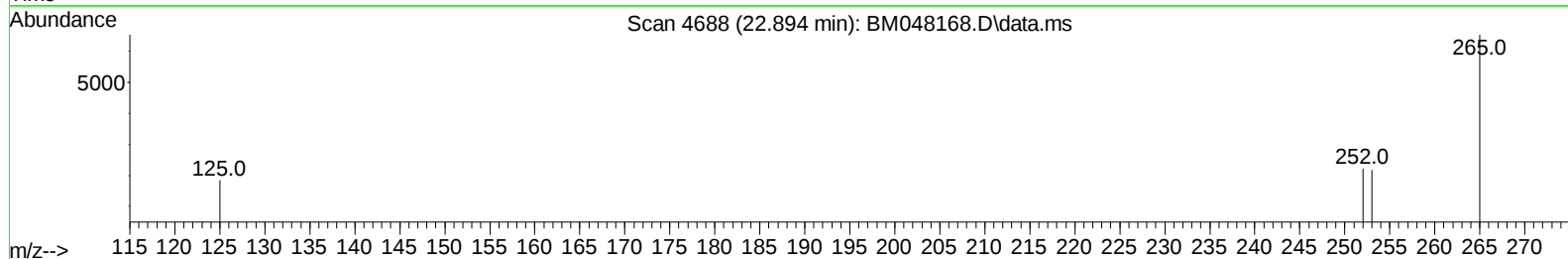
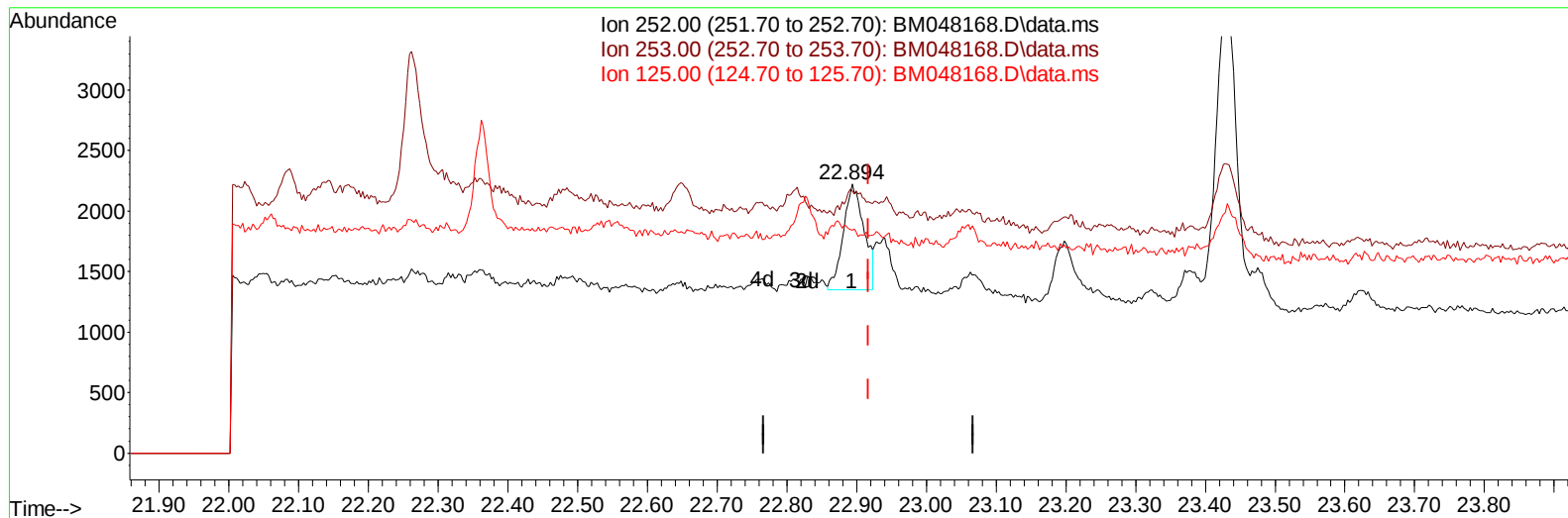
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048168.D
Acq On : 21 Oct 2024 23:39
Operator : RC/JU
Sample : P4380-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G9

Manual IntegrationsAPPROVED

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TIC: BM048168.D\data.ms

(24) Benzo(b)fluoranthene

22.894min (-0.024) 0.03 ng/u1 m

response 1820

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.80	97.57#
125.00	21.40	82.90#
0.00	0.00	0.00

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 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.767	152		6554	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.561	136		20136	0.400	ng/ul	#-0.03
9) Acenaphthene-d10	14.399	164		17774	0.400	ng/ul	-0.02
13) Phenanthrene-d10	17.140	188		22637m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.316	240		16927m	0.400	ng/ul	-0.02
23) Perylene-d12	23.575	264		14593m	0.400	ng/ul	-0.02
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.235	96		37292	4.186	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.145	152		11484	0.409	ng/ul	-0.06
18) Fluoranthene-d10	19.168	212		22606m	0.459	ng/ul	-0.02
Target Compounds							
							Qvalue
5) Naphthalene	10.622	128	14540842	265.712	ng/ul		98
7) 2-Methylnaphthalene	12.216	142	583583	18.639	ng/ul		97
8) 1-Methylnaphthalene	12.442	142	382029	10.602	ng/ul		98
10) Acenaphthylene	14.121	152	983878	11.983	ng/ul		97
11) Acenaphthene	14.464	153	204921	3.492	ng/ul		98
12) Fluorene	15.449	166	316314	5.032	ng/ul		98
14) Pentachlorophenol	16.802	266	3908m	0.514	ng/ul		
15) Phenanthrene	17.182	178	516079m	9.021	ng/ul		
16) Anthracene	17.275	178	62779m	1.160	ng/ul		
19) Fluoranthene	19.196	202	91365	1.375	ng/ul		97
20) Pyrene	19.558	202	52496	0.735	ng/ul		96
21) Benzo(a)anthracene	21.298	228	4069	0.078	ng/ul#		33
22) Chrysene	21.351	228	3793	0.048	ng/ul#		25
24) Benzo(b)fluoranthene	22.894	252	1820m	0.033	ng/ul		

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

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