

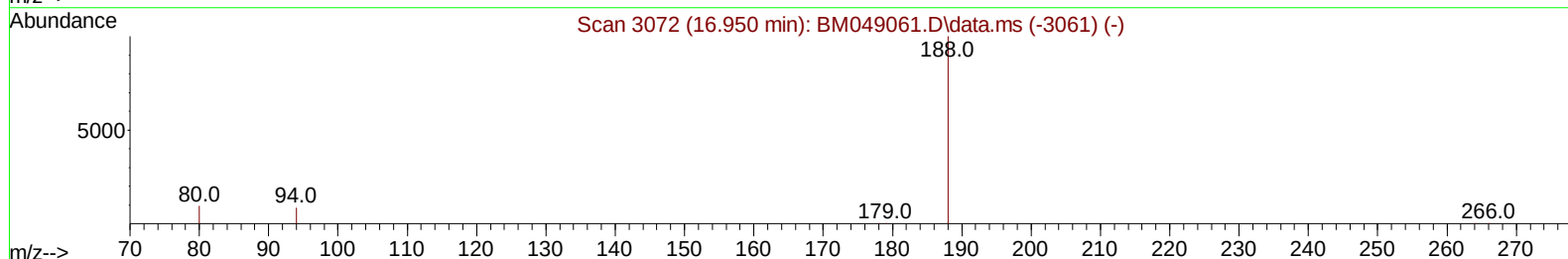
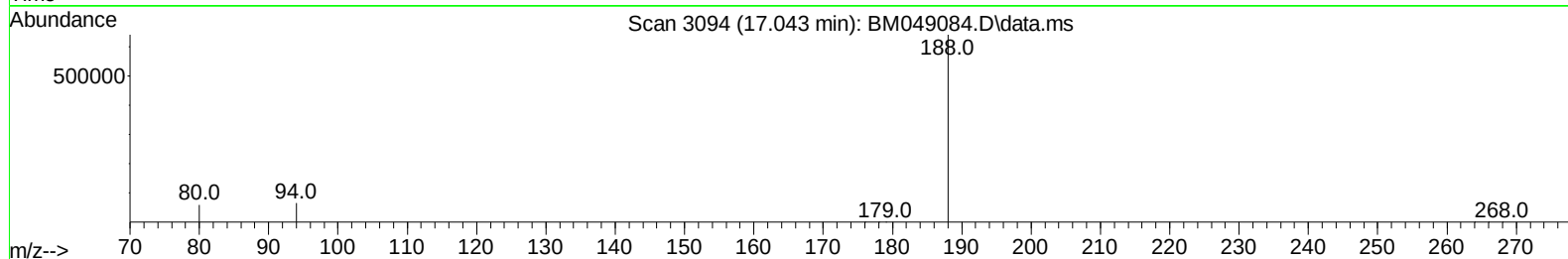
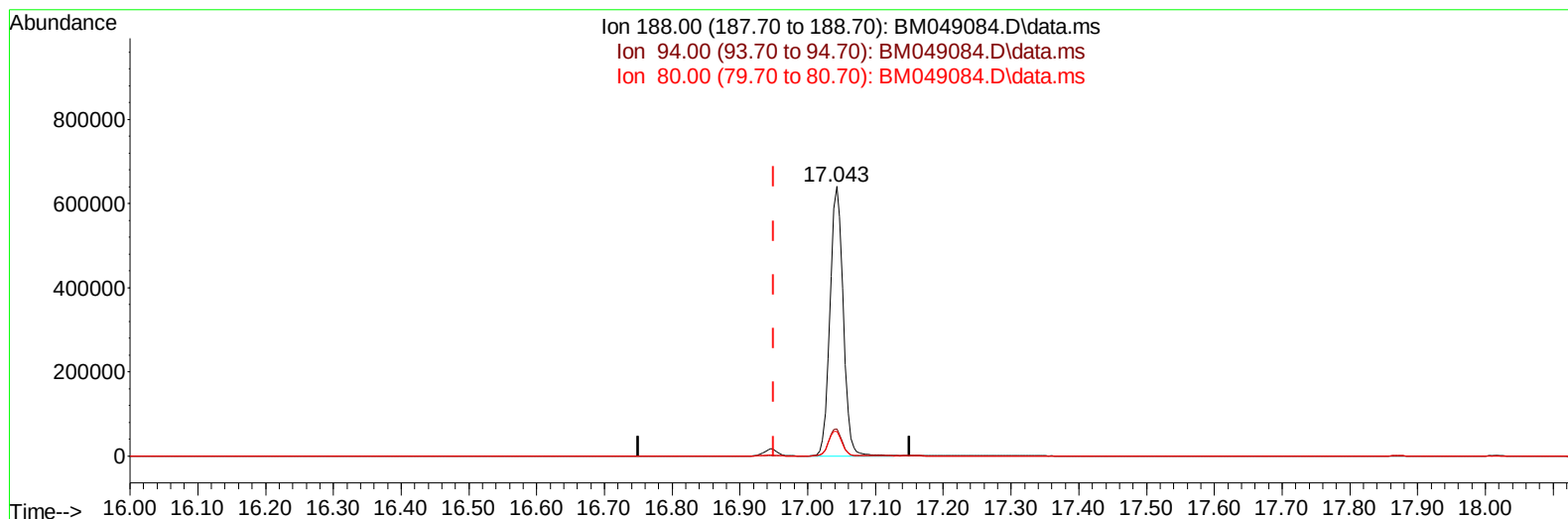
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121924\
Data File : BM049084.D
Acq On : 19 Dec 2024 23:52
Operator : RC/JU
Sample : P5226-23
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AR3

Manual IntegrationsAPPROVED

Quant Time: Dec 20 00:35:41 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 12/21/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049084.D\data.ms

(13) Phenanthrene-d10 (I)

17.043min (+ 0.093) 0.40 ng/u1

response 868704

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	10.03
80.00	10.70	9.20
0.00	0.00	0.00

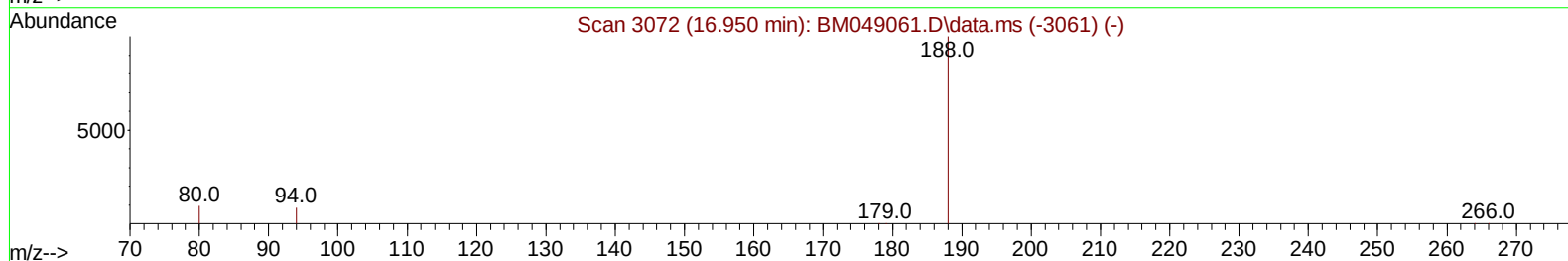
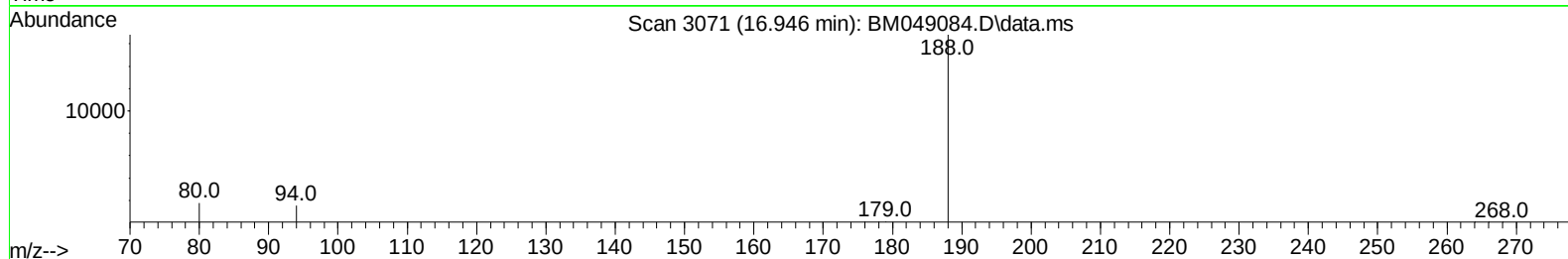
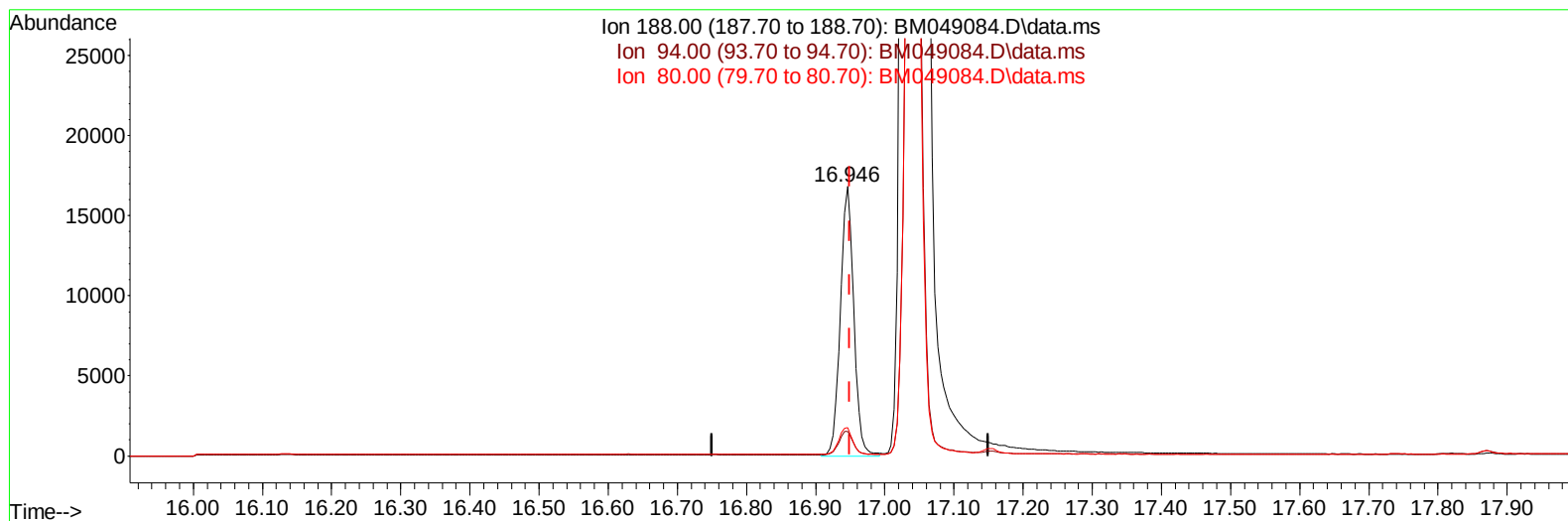
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121924\
Data File : BM049084.D
Acq On : 19 Dec 2024 23:52
Operator : RC/JU
Sample : P5226-23
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AR3

Manual IntegrationsAPPROVED

Quant Time: Dec 20 00:35:41 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 12/21/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049084.D\data.ms

(13) Phenanthrene-d10 (I)

16.946min (-0.004) 0.40 ng/ul m

response 22711

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	9.12
80.00	10.70	10.50
0.00	0.00	0.00

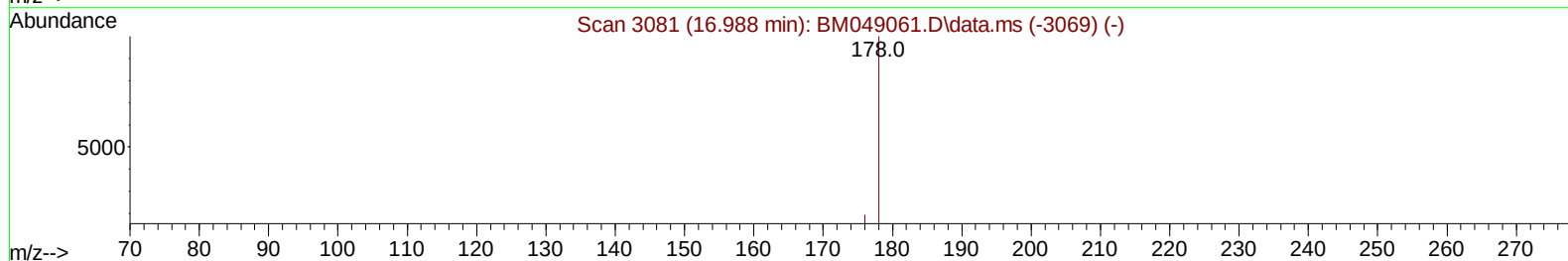
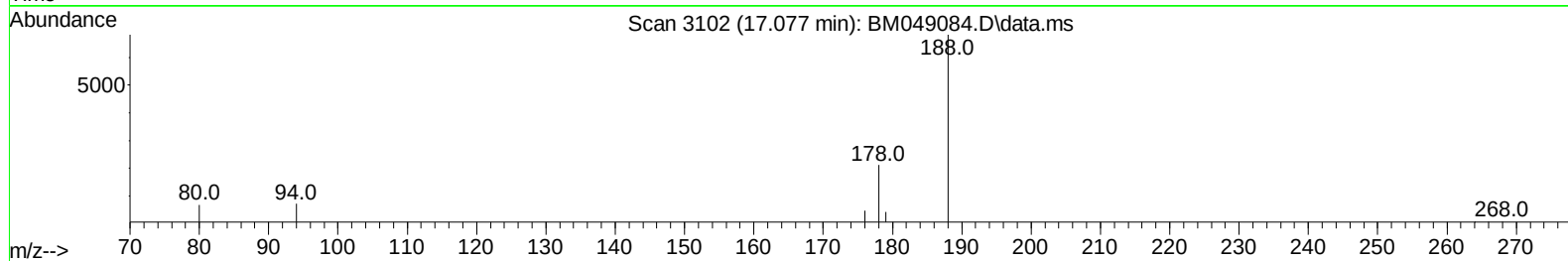
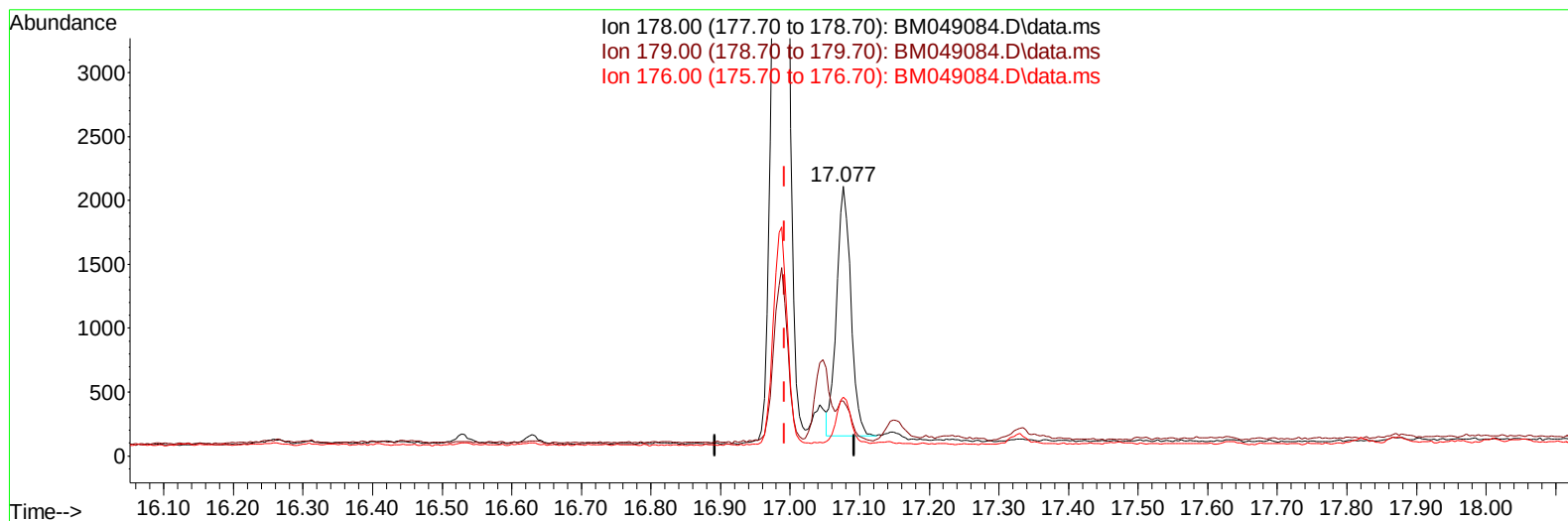
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121924\
Data File : BM049084.D
Acq On : 19 Dec 2024 23:52
Operator : RC/JU
Sample : P5226-23
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AR3

Manual IntegrationsAPPROVED

Quant Time: Dec 20 00:35:41 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 12/21/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049084.D\data.ms

(15) Phenanthrene

17.077min (+ 0.085) 0.05 ng/u1

response 2776

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	20.39#
176.00	20.20	21.76
0.00	0.00	0.00

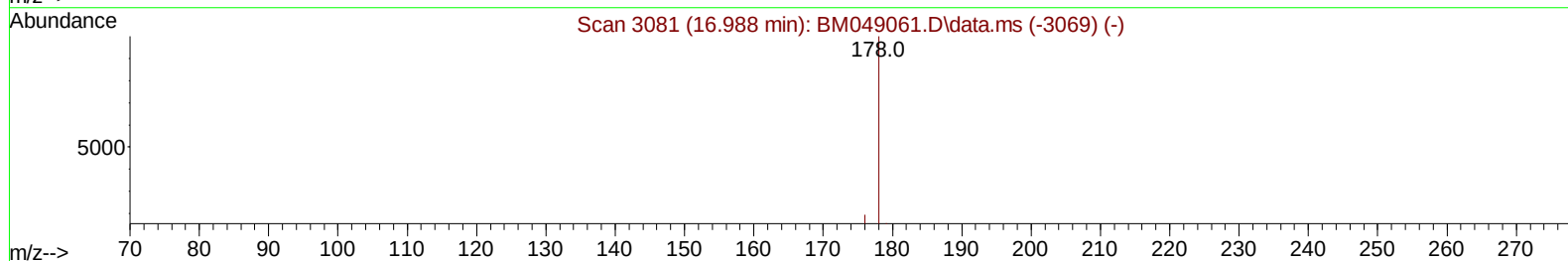
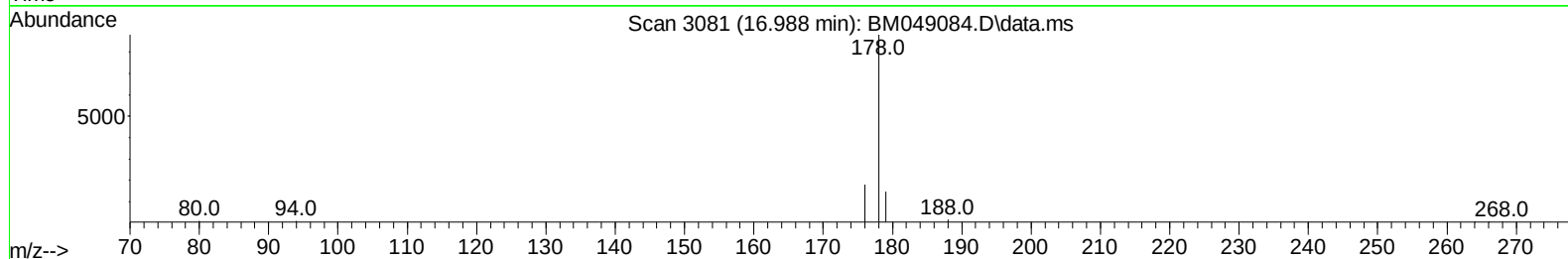
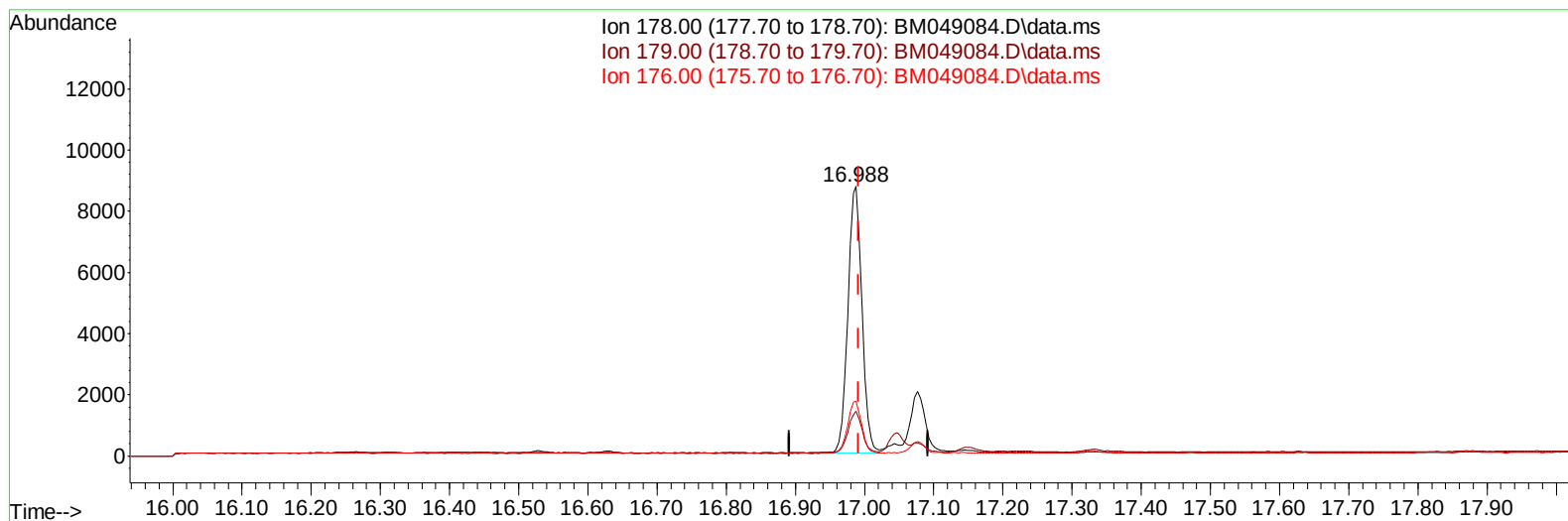
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121924\
Data File : BM049084.D
Acq On : 19 Dec 2024 23:52
Operator : RC/JU
Sample : P5226-23
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AR3

Manual IntegrationsAPPROVED

Quant Time: Dec 20 00:35:41 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 12/21/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049084.D\data.ms

(15) Phenanthrene

16.988min (-0.004) 0.21 ng/ul m

response 12255

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	16.72
176.00	20.20	20.33
0.00	0.00	0.00

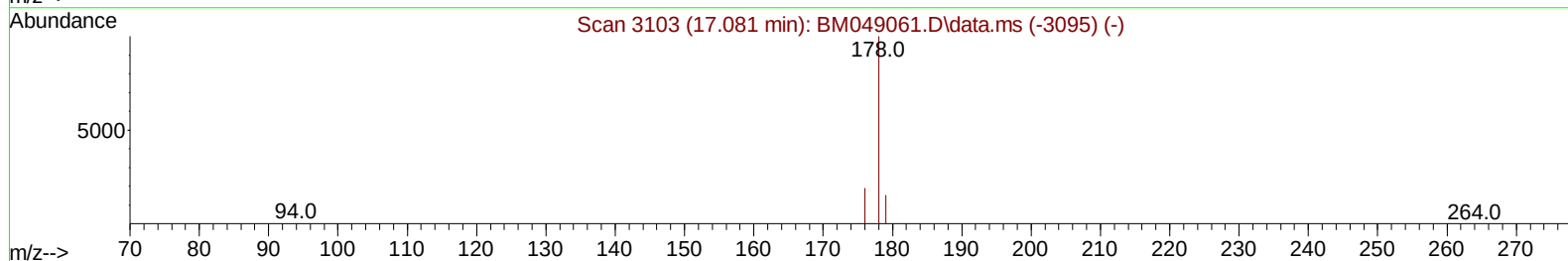
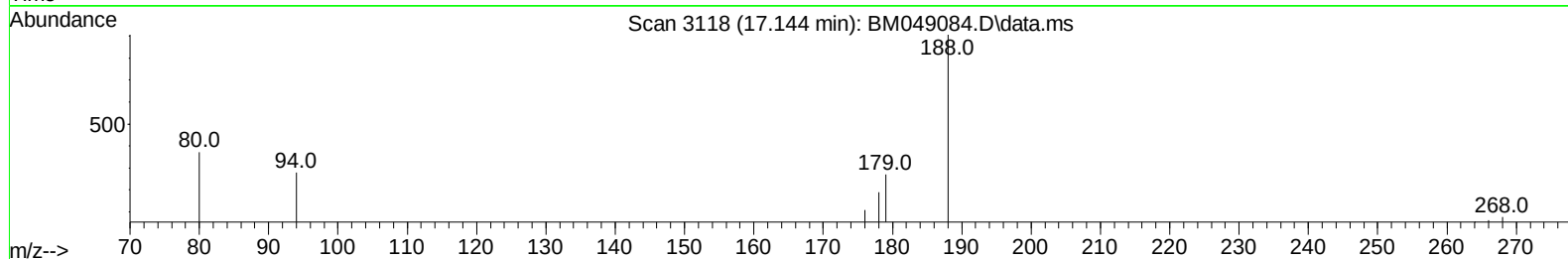
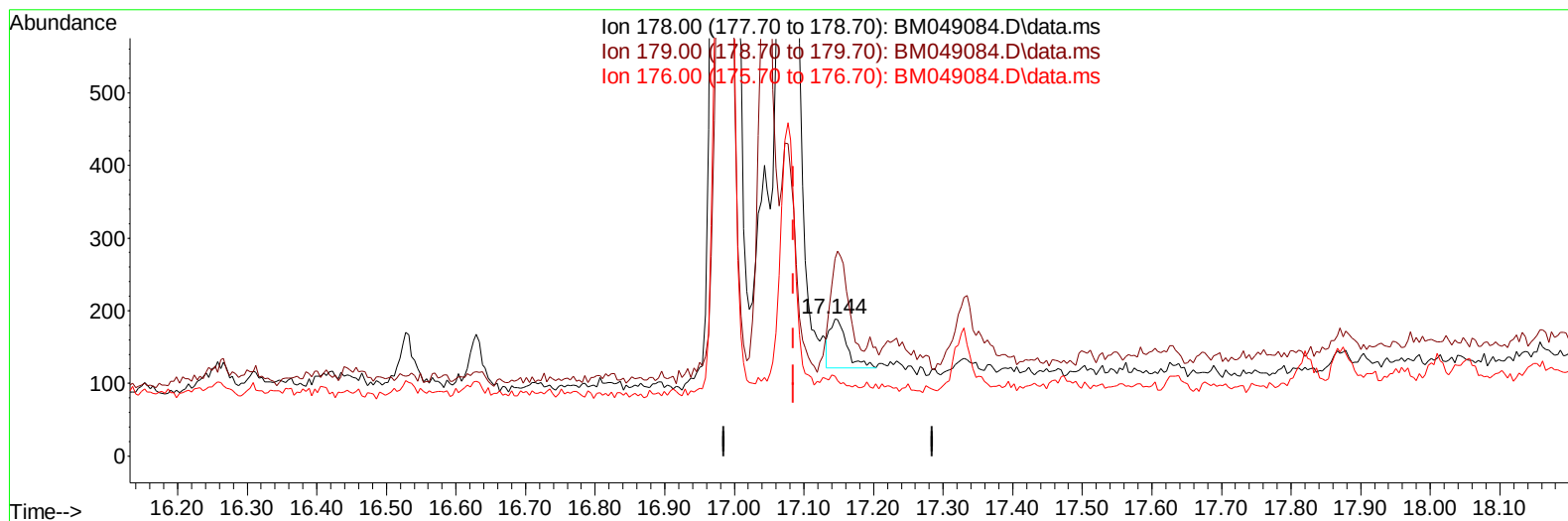
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121924\
Data File : BM049084.D
Acq On : 19 Dec 2024 23:52
Operator : RC/JU
Sample : P5226-23
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AR3

Manual IntegrationsAPPROVED

Quant Time: Dec 20 00:35:41 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 12/21/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049084.D\data.ms

(16) Anthracene

17.144min (+ 0.059) 0.00 ng/u1

response 117

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	143.92#
176.00	19.10	58.20#
0.00	0.00	0.00

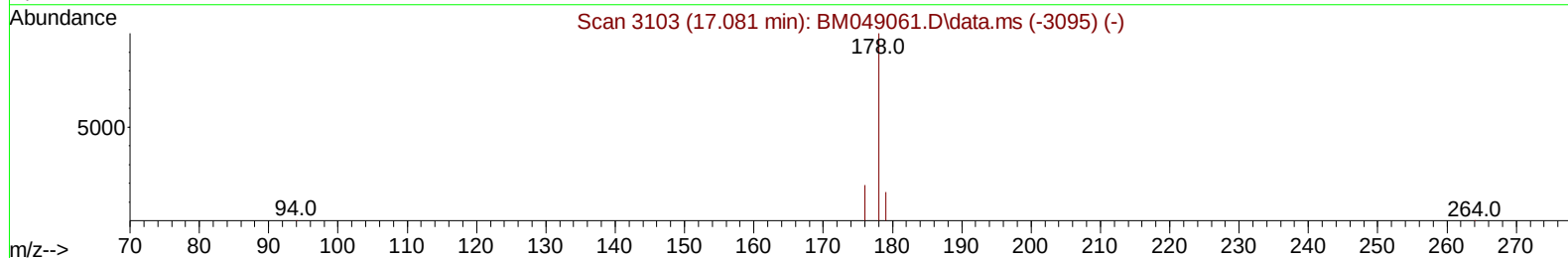
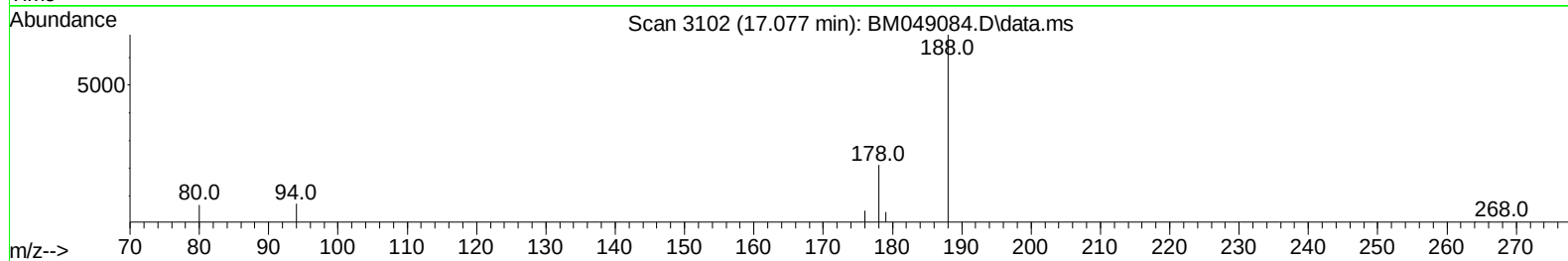
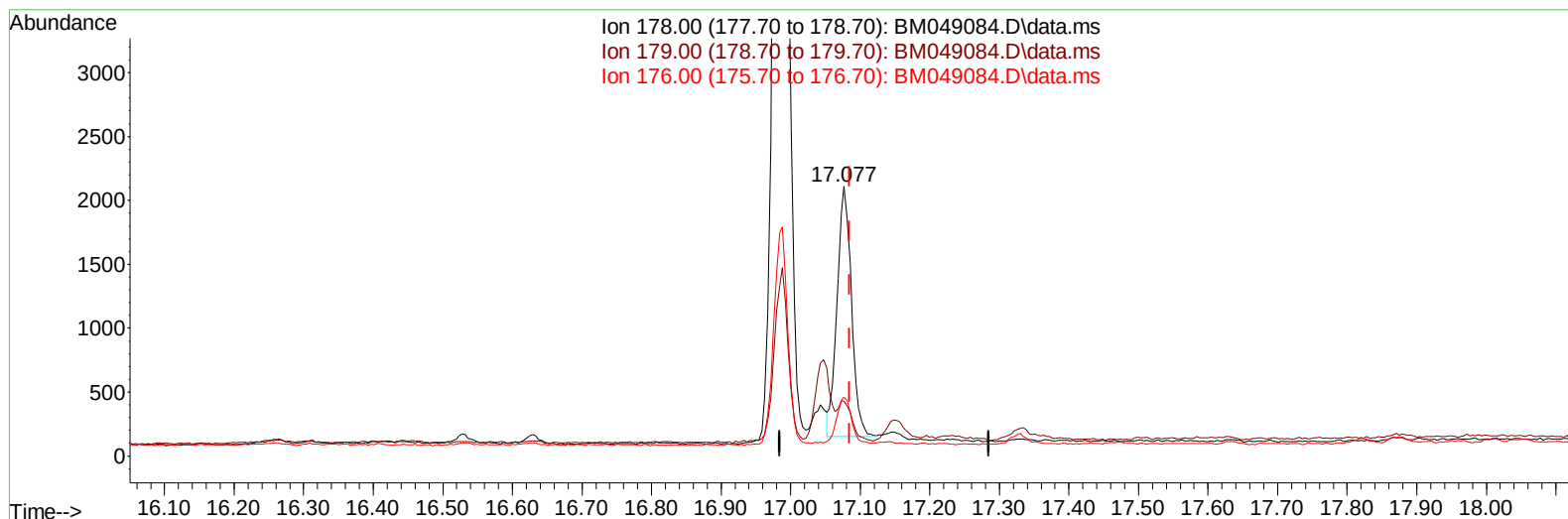
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121924\
Data File : BM049084.D
Acq On : 19 Dec 2024 23:52
Operator : RC/JU
Sample : P5226-23
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AR3

Manual IntegrationsAPPROVED

Quant Time: Dec 20 00:35:41 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 12/21/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049084.D\data.ms

(16) Anthracene

17.077min (-0.008) 0.05 ng/ul m

response 2797

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	20.39#
176.00	19.10	21.76
0.00	0.00	0.00

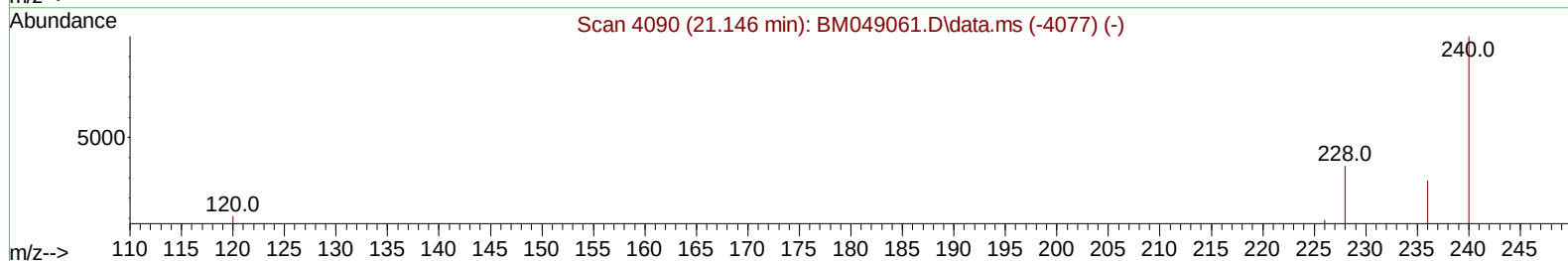
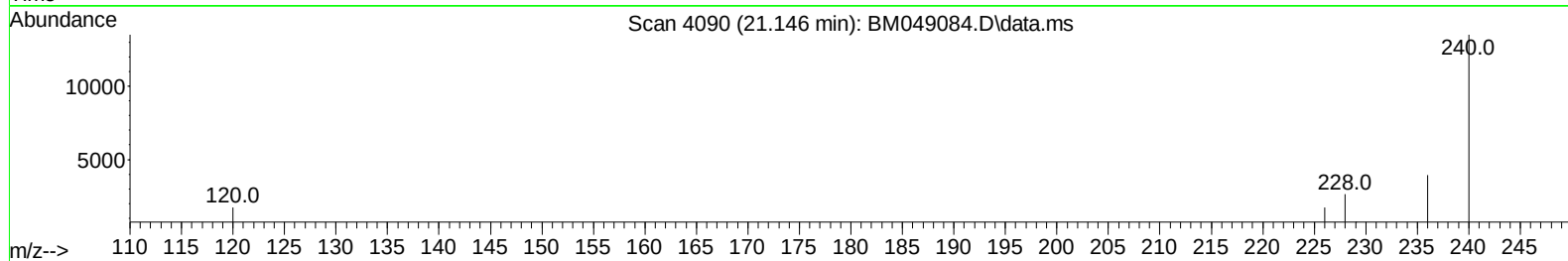
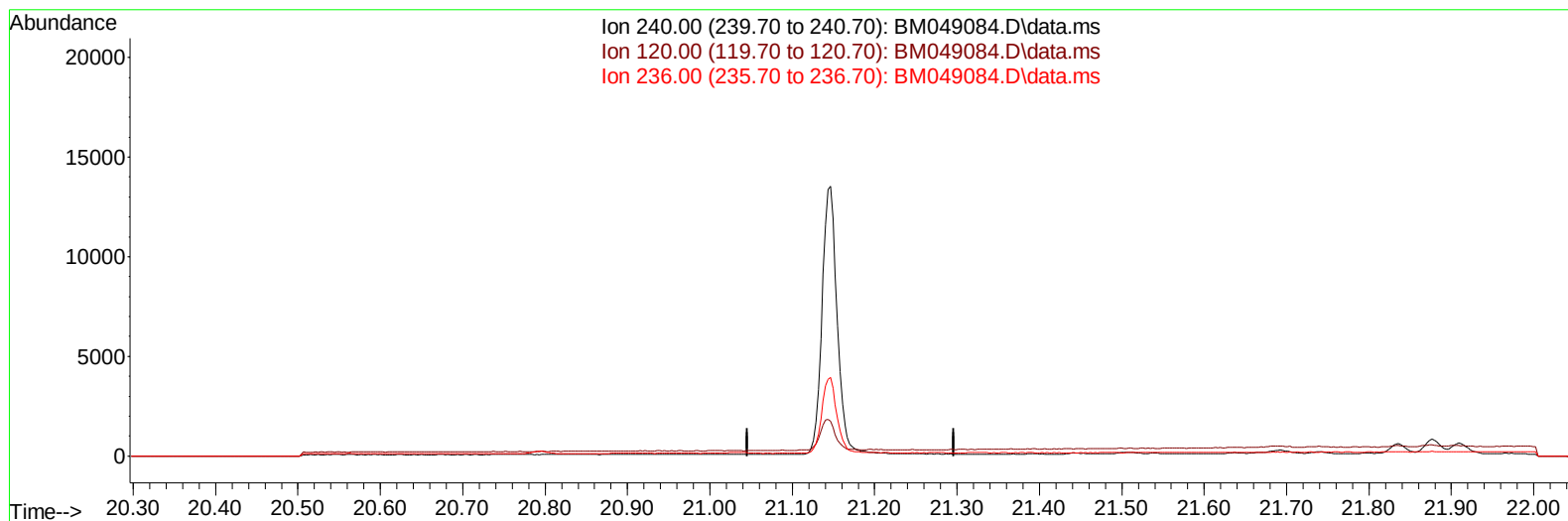
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121924\
Data File : BM049084.D
Acq On : 19 Dec 2024 23:52
Operator : RC/JU
Sample : P5226-23
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AR3

Manual IntegrationsAPPROVED

Quant Time: Dec 20 00:35:41 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 12/21/2024
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TIC: BM049084.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

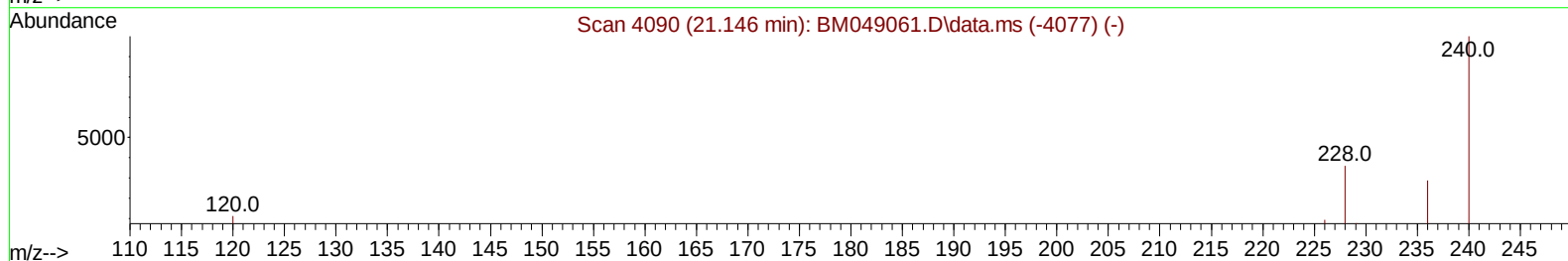
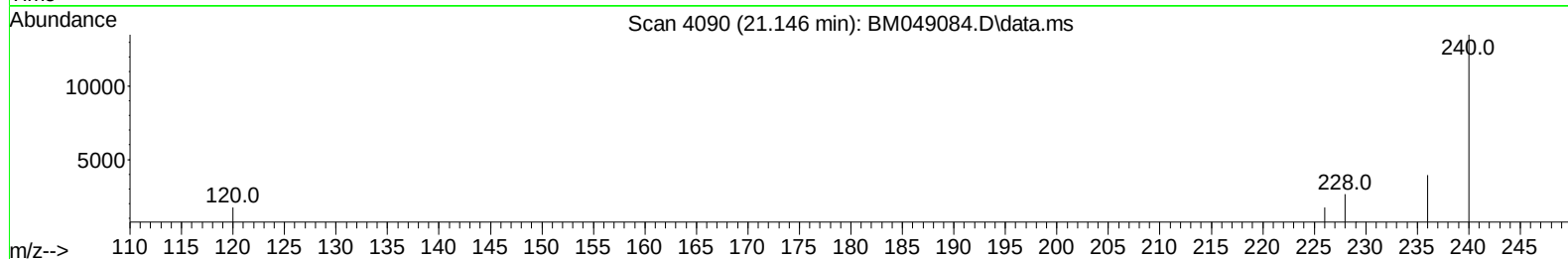
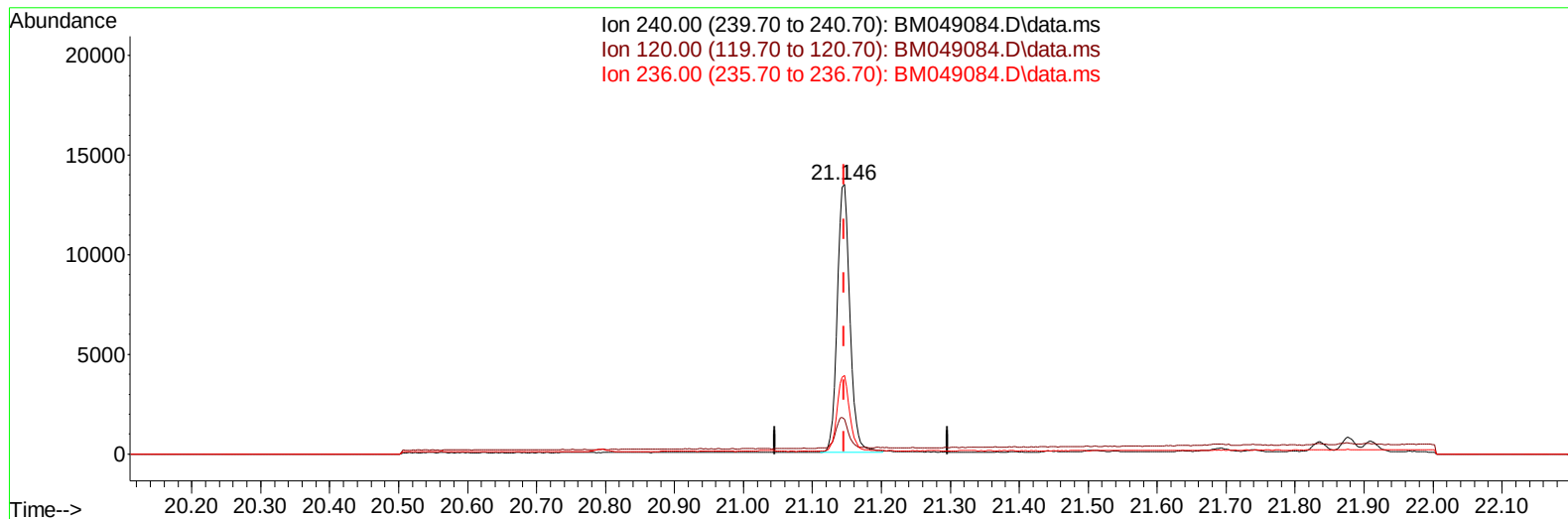
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121924\
Data File : BM049084.D
Acq On : 19 Dec 2024 23:52
Operator : RC/JU
Sample : P5226-23
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AR3

Manual IntegrationsAPPROVED

Quant Time: Dec 20 00:35:41 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 12/21/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049084.D\data.ms

(17) Chrysene-d12

21.146min (+ 0.000) 0.40 ng/ul m

response 17197

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	14.50	12.88
236.00	29.80	29.11
0.00	0.00	0.00

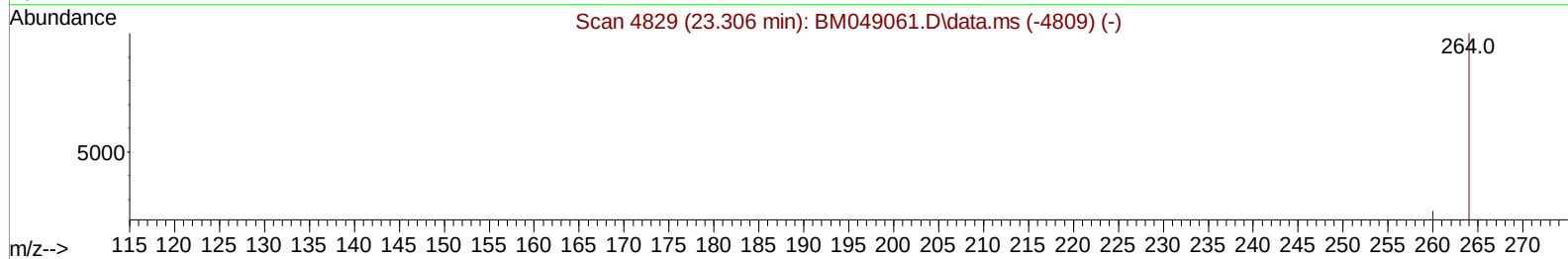
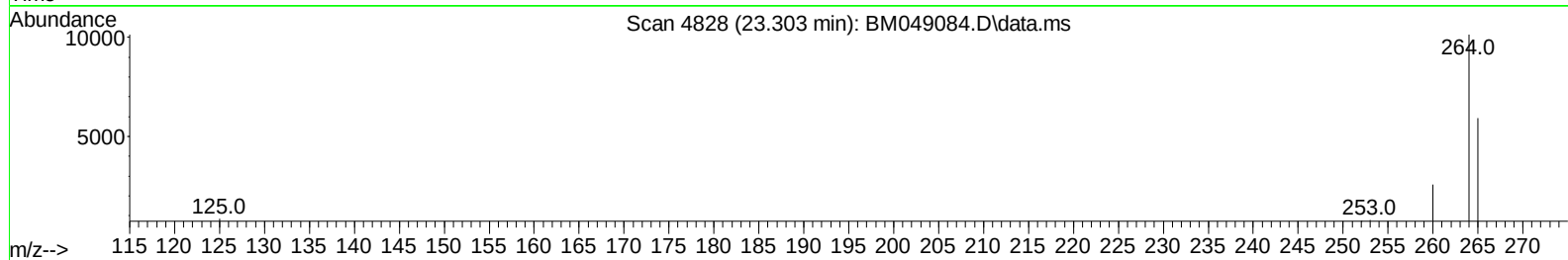
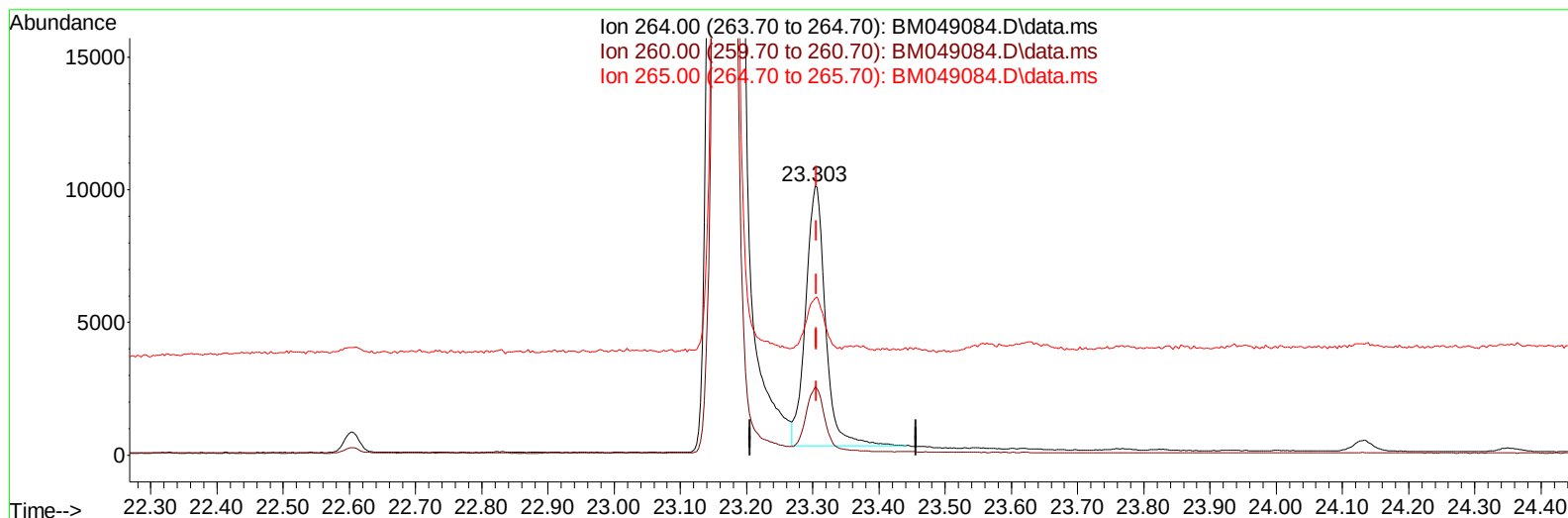
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121924\
Data File : BM049084.D
Acq On : 19 Dec 2024 23:52
Operator : RC/JU
Sample : P5226-23
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AR3

Manual IntegrationsAPPROVED

Quant Time: Dec 20 00:35:41 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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Supervised By :mohammad ahmed 12/26/2024



TIC: BM049084.D\data.ms

(23) Perylene-d12 (I)

23.303min (-0.003) 0.40 ng/u1

response 20136

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	25.28
265.00	78.30	58.38#
0.00	0.00	0.00

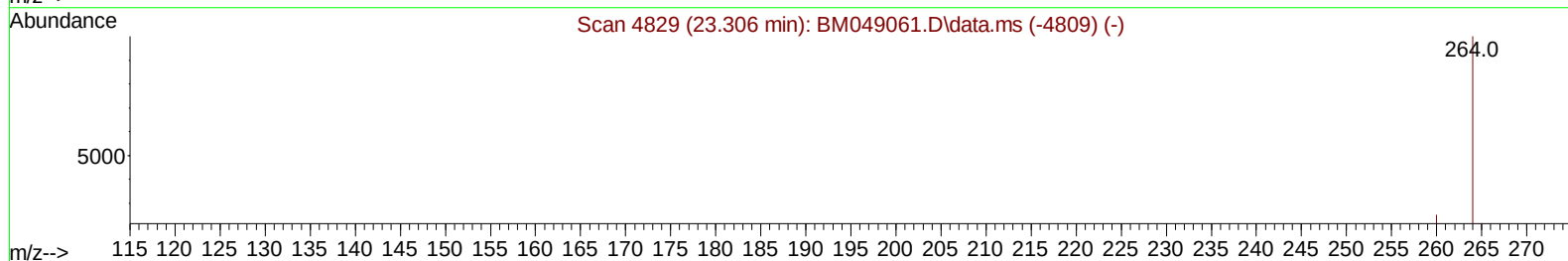
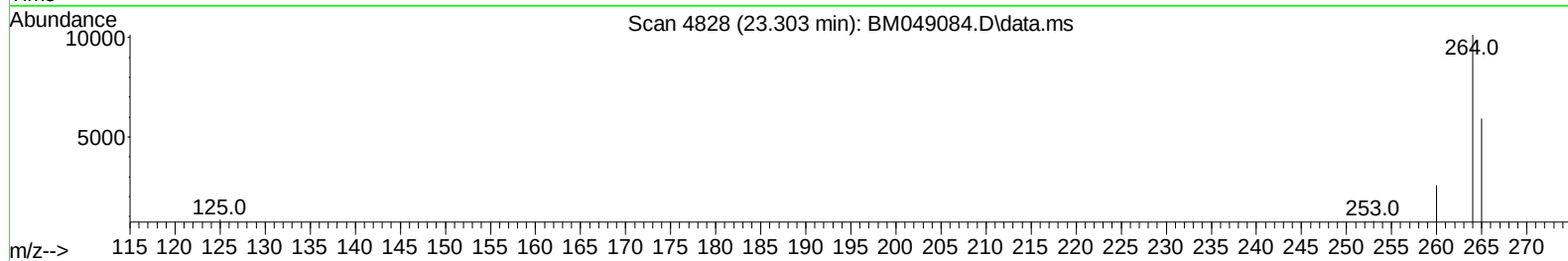
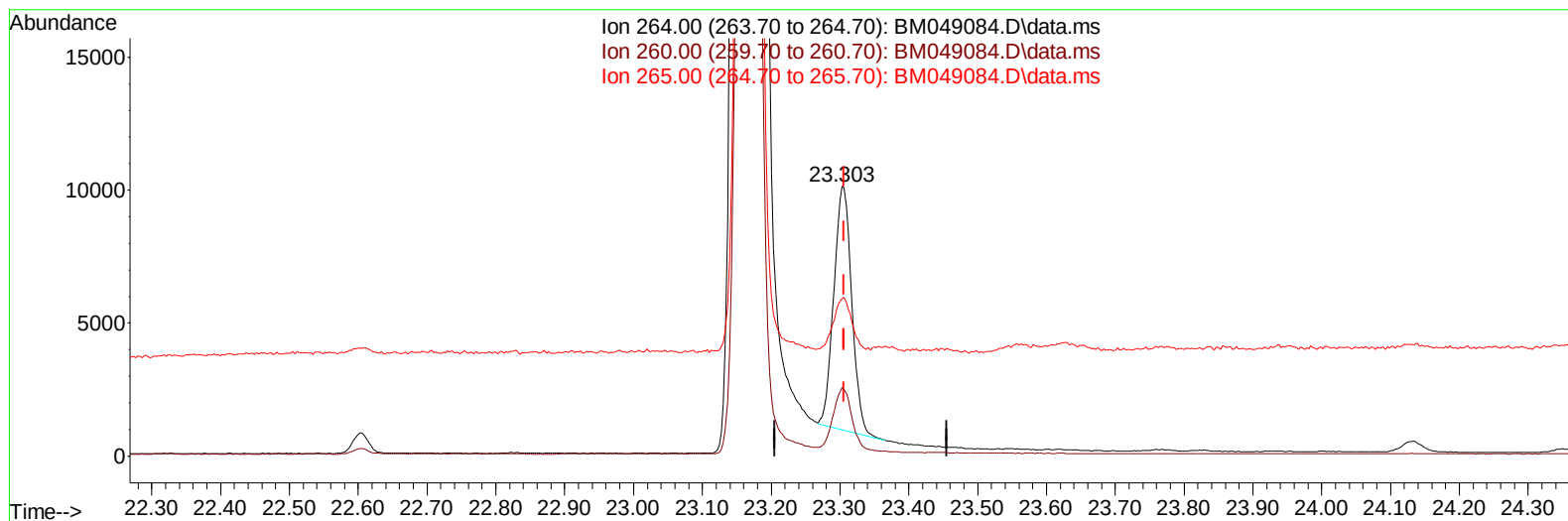
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121924\
Data File : BM049084.D
Acq On : 19 Dec 2024 23:52
Operator : RC/JU
Sample : P5226-23
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AR3

Manual IntegrationsAPPROVED

Quant Time: Dec 20 00:35:41 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 12/21/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049084.D\data.ms

(23) Perylene-d12 (I)

23.303min (-0.003) 0.40 ng/ul m

response 16560

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	25.28
265.00	78.30	58.38#
0.00	0.00	0.00

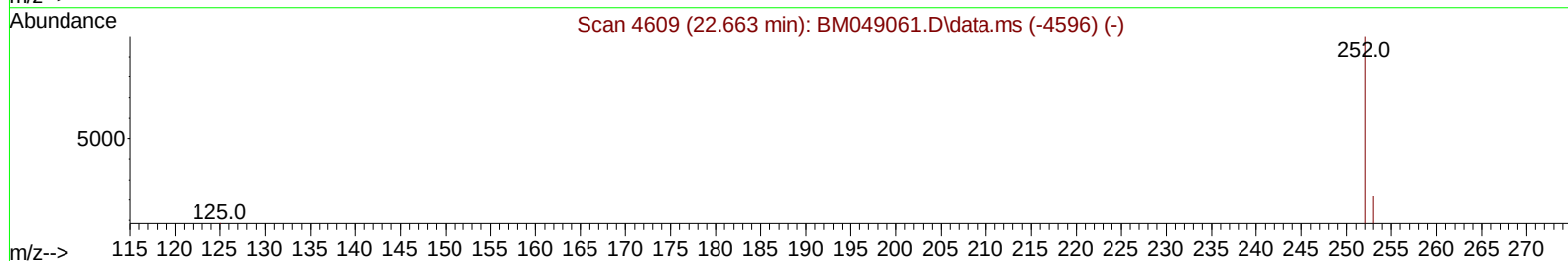
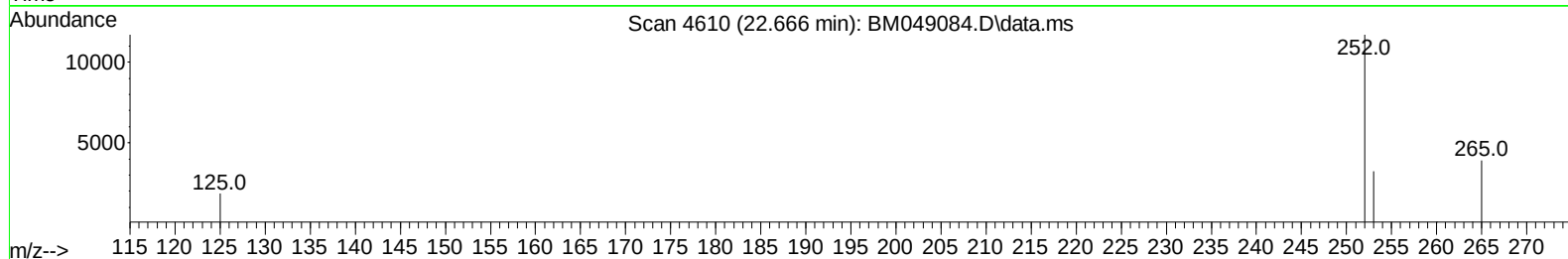
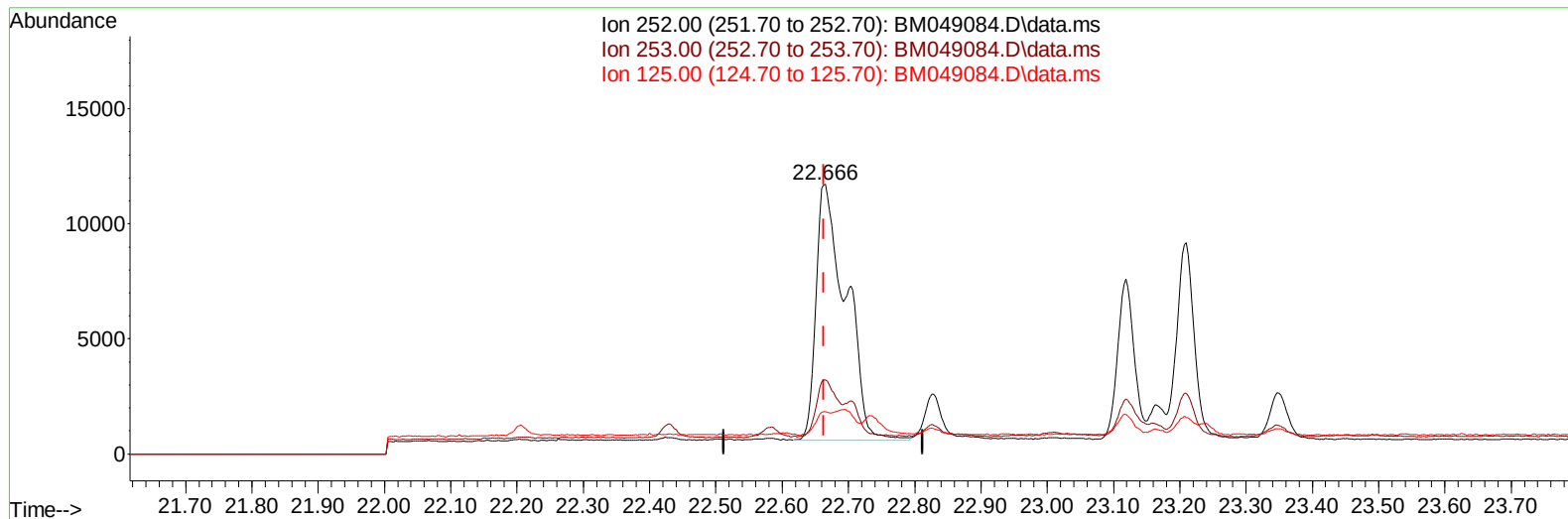
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121924\
Data File : BM049084.D
Acq On : 19 Dec 2024 23:52
Operator : RC/JU
Sample : P5226-23
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AR3

Manual IntegrationsAPPROVED

Quant Time: Dec 20 00:35:41 2024
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Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049084.D\data.ms

(24) Benzo(b)fluoranthene

22.666min (+ 0.003) 0.66 ng/u1

response 34894

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	27.47
125.00	15.40	15.79
0.00	0.00	0.00

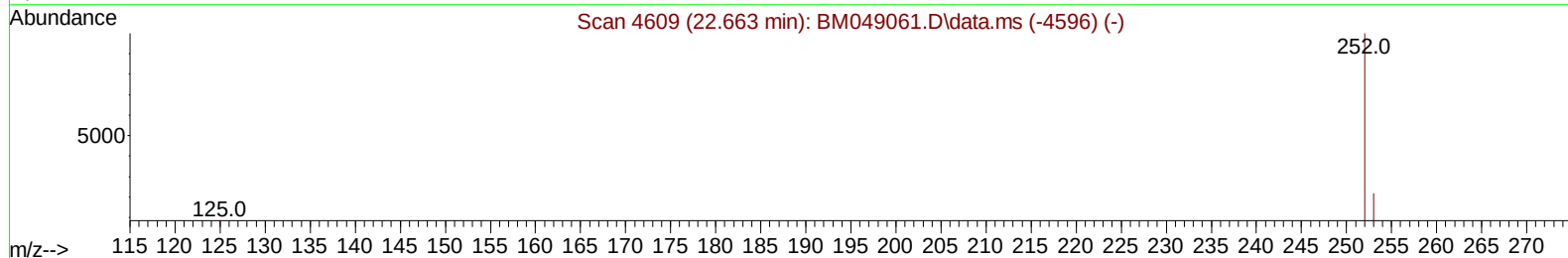
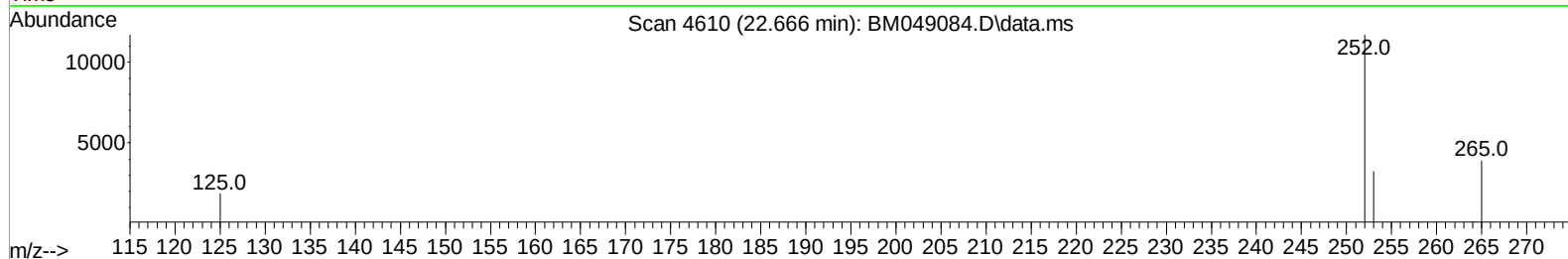
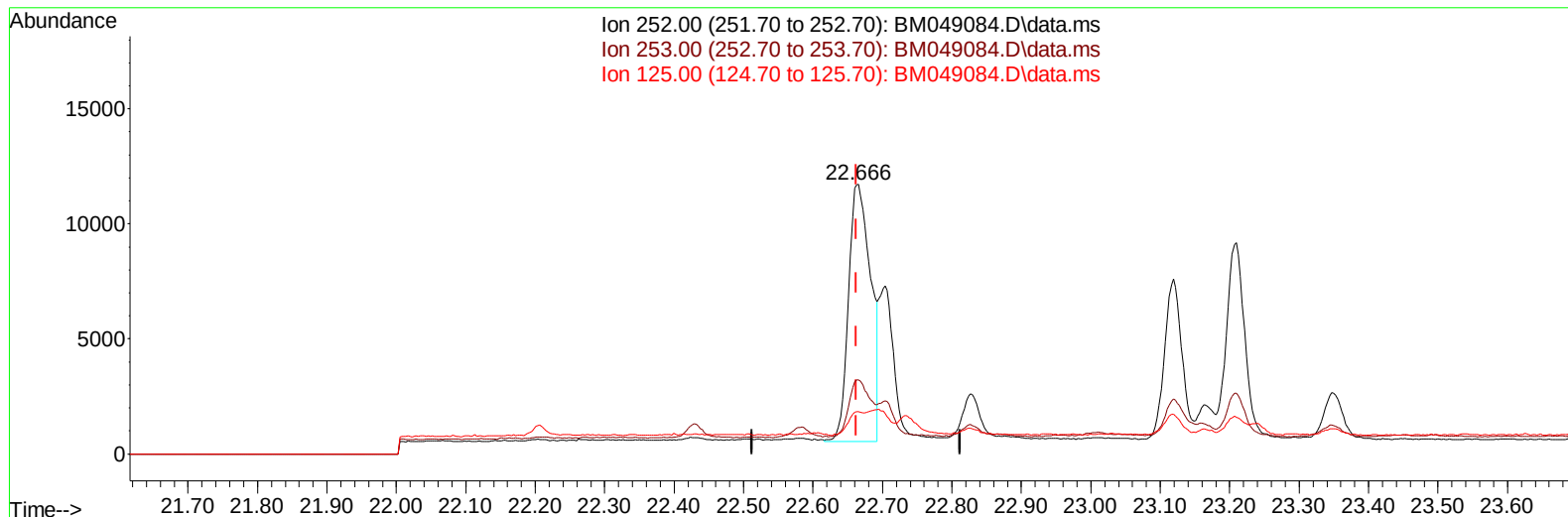
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121924\
Data File : BM049084.D
Acq On : 19 Dec 2024 23:52
Operator : RC/JU
Sample : P5226-23
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AR3

Manual IntegrationsAPPROVED

Quant Time: Dec 20 00:35:41 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 12/21/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049084.D\data.ms

(24) Benzo(b)fluoranthene

22.666min (+ 0.003) 0.47 ng/u1 m

response 24831

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	27.47
125.00	15.40	15.79
0.00	0.00	0.00

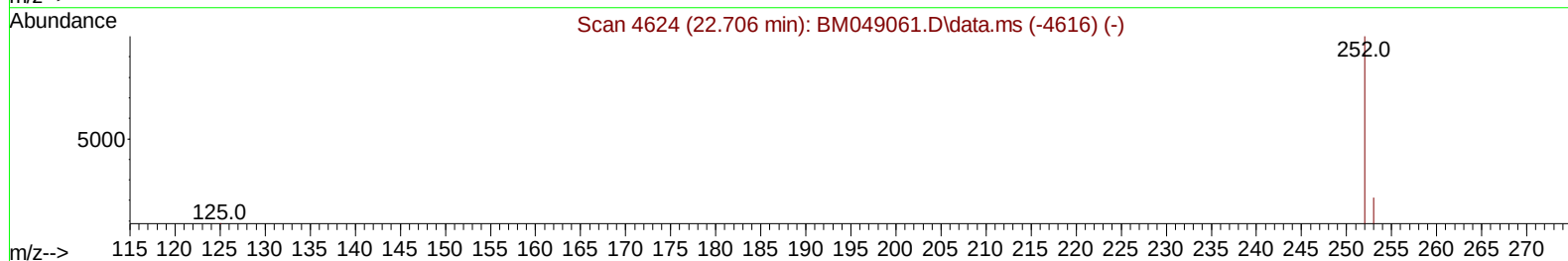
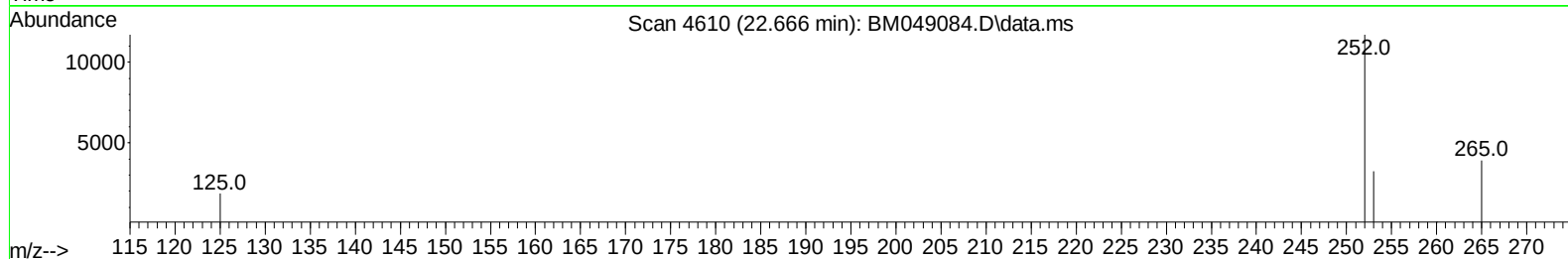
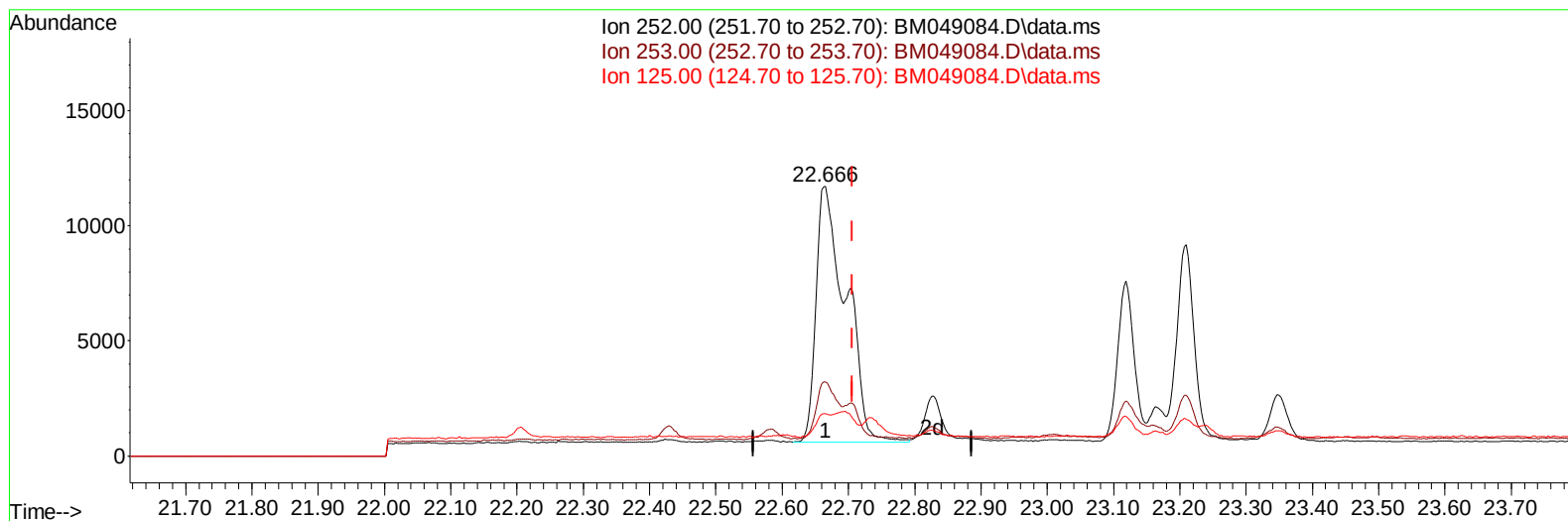
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121924\
Data File : BM049084.D
Acq On : 19 Dec 2024 23:52
Operator : RC/JU
Sample : P5226-23
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AR3

Manual IntegrationsAPPROVED

Quant Time: Dec 20 00:35:41 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 12/21/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049084.D\data.ms

(25) Benzo(k)fluoranthene

22.666min (-0.041) 0.60 ng/u1

response 34894

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	27.47
125.00	15.70	15.79
0.00	0.00	0.00

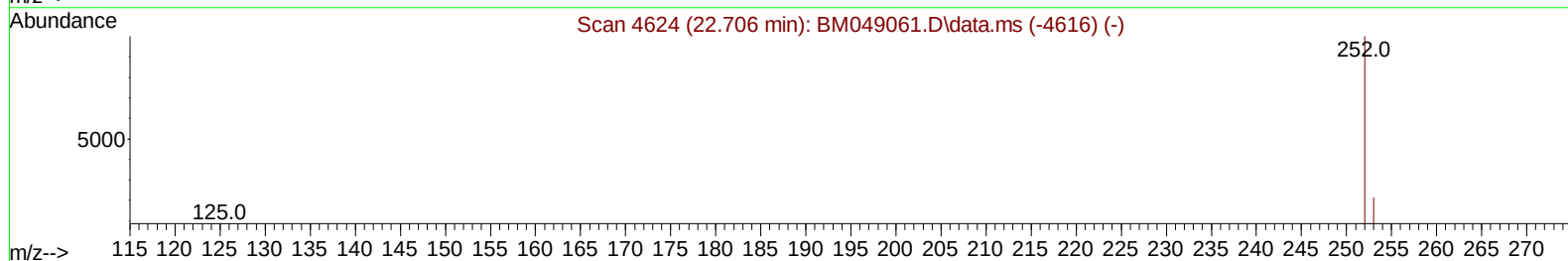
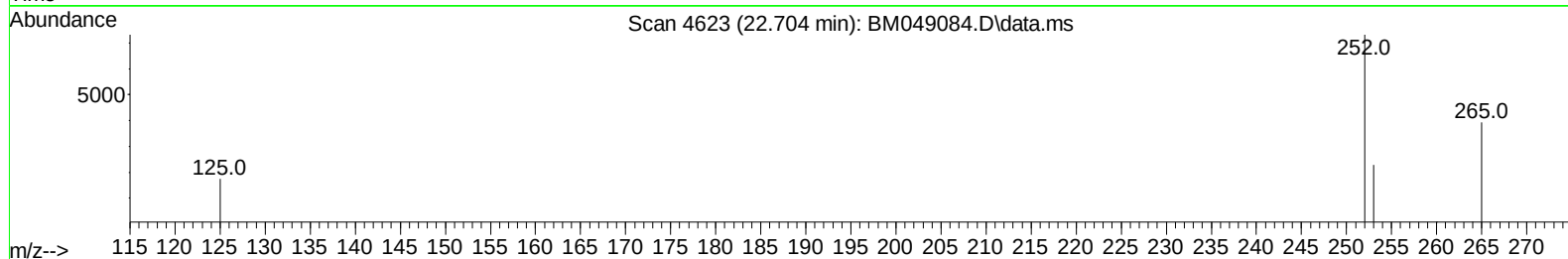
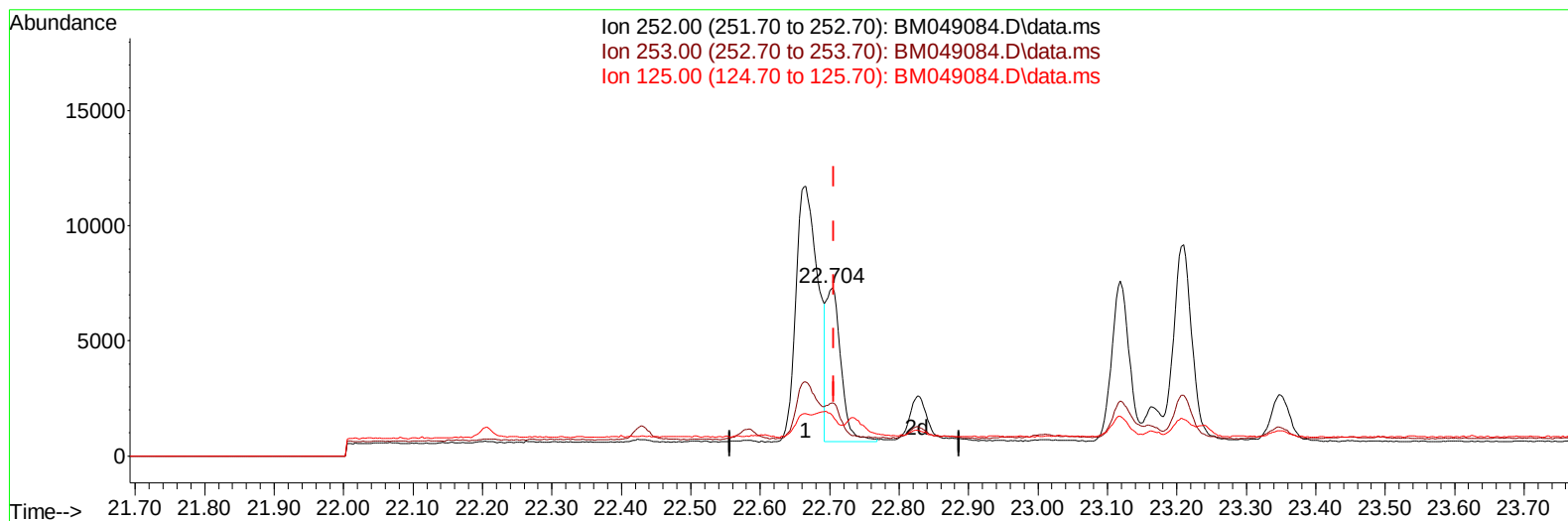
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121924\
Data File : BM049084.D
Acq On : 19 Dec 2024 23:52
Operator : RC/JU
Sample : P5226-23
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AR3

Manual IntegrationsAPPROVED

Quant Time: Dec 20 00:35:41 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 12/21/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049084.D\data.ms

(25) Benzo(k)fluoranthene

22.704min (-0.003) 0.17 ng/ul m

response 9877

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	31.42
125.00	15.70	23.86#
0.00	0.00	0.00

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.560	152	6622	0.400	ng/ul	0.00
4) Naphthalene-d8	10.325	136	19620	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.196	164	10602	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.946	188	22711m	0.400	ng/ul	0.00
17) Chrysene-d12	21.146	240	17197m	0.400	ng/ul	0.00
23) Perylene-d12	23.303	264	16560m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.151	96	22855	2.993	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.925	152	4506	0.171	ng/ul	0.00
18) Fluoranthene-d10	18.978	212	8011	0.164	ng/ul	0.00
Target Compounds						
						Qvalue
10) Acenaphthylene	13.913	152	5201	0.118	ng/ul	98
15) Phenanthrene	16.988	178	12255m	0.207	ng/ul	
16) Anthracene	17.077	178	2797m	0.051	ng/ul	
19) Fluoranthene	19.010	202	42565	0.685	ng/ul	100
20) Pyrene	19.373	202	37137	0.560	ng/ul	99
21) Benzo(a)anthracene	21.129	228	15658	0.262	ng/ul	95
22) Chrysene	21.181	228	18102	0.282	ng/ul	97
24) Benzo(b)fluoranthene	22.666	252	24831m	0.469	ng/ul	
25) Benzo(k)fluoranthene	22.704	252	9877m	0.170	ng/ul	
26) Benzo(a)pyrene	23.209	252	15452	0.305	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	25.441	276	12360	0.172	ng/ul#	95
28) Dibenzo(a,h)anthracene	25.454	278	2878	0.052	ng/ul#	69
29) Benzo(g,h,i)perylene	26.091	276	12250	0.212	ng/ul	98

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

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