

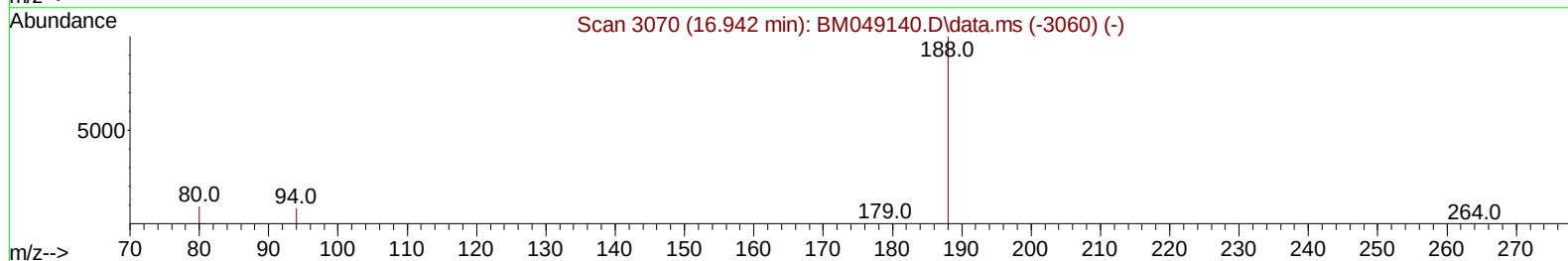
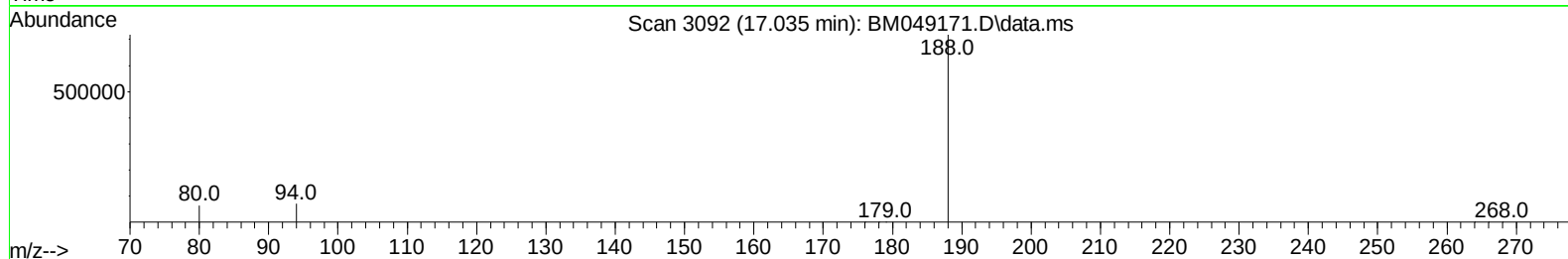
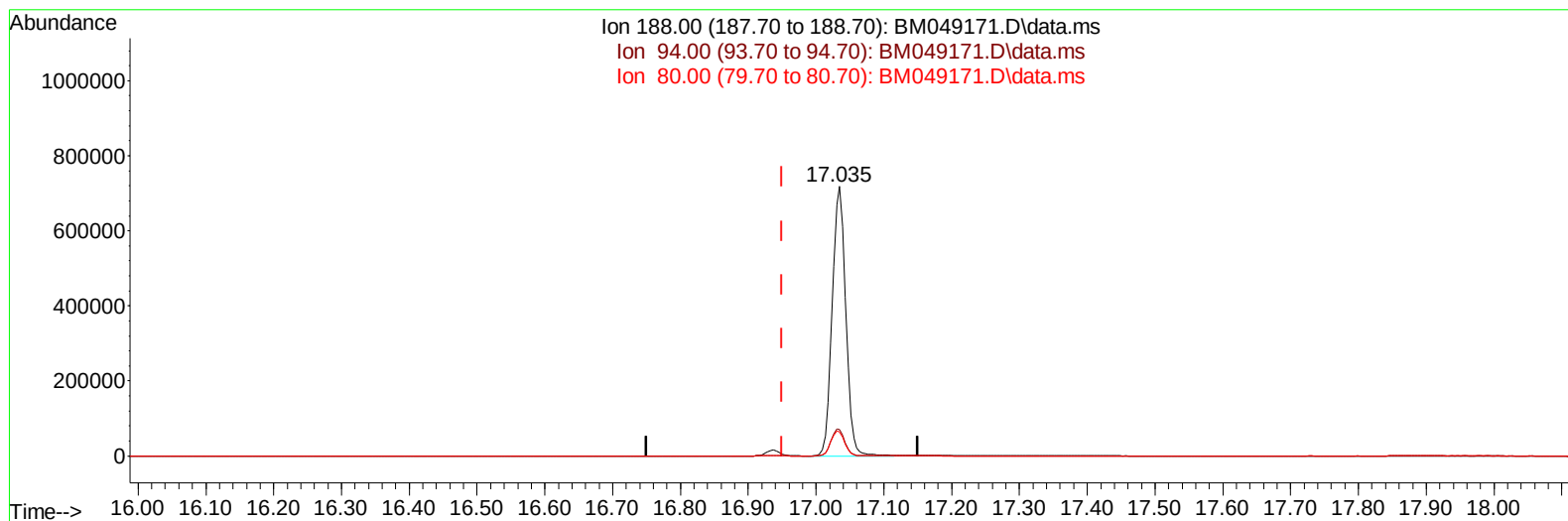
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049171.D
Acq On : 24 Dec 2024 06:25
Operator : RC/JU
Sample : P5302-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AQ2

Manual IntegrationsAPPROVED

Quant Time: Dec 24 06:54:01 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: BM049171.D\data.ms

(13) Phenanthrene-d10 (I)

17.035min (+ 0.085) 0.40 ng/u1

response 991033

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	9.79
80.00	10.70	8.94
0.00	0.00	0.00

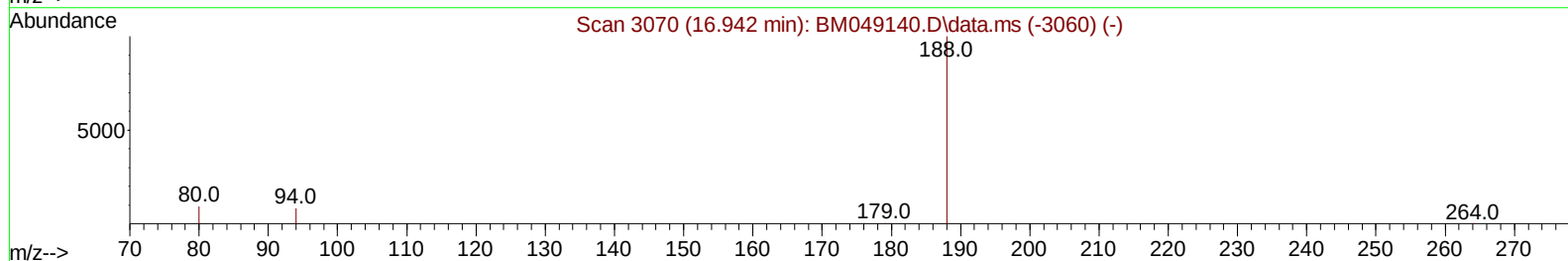
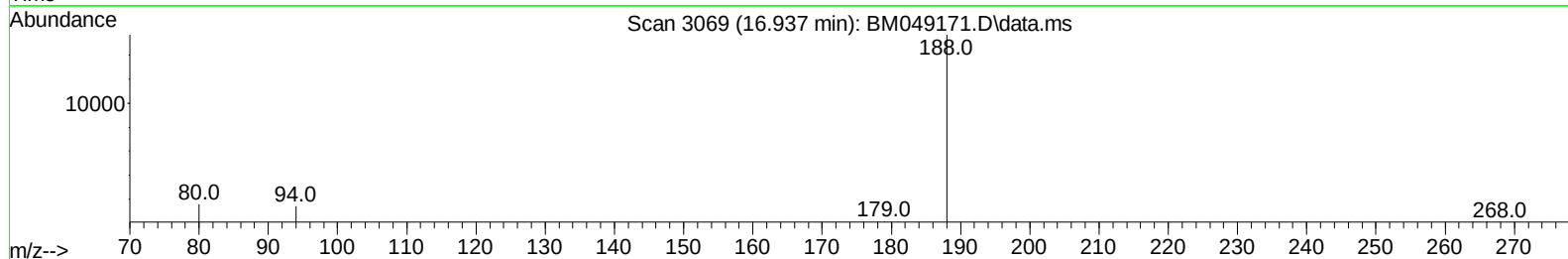
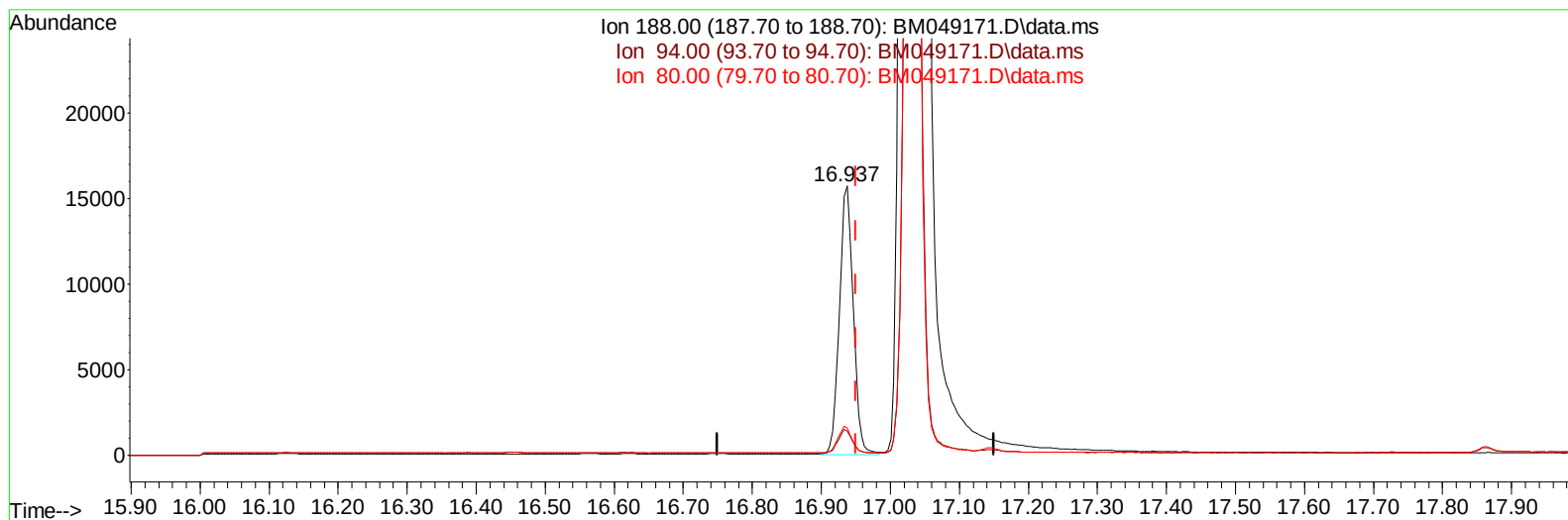
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049171.D
Acq On : 24 Dec 2024 06:25
Operator : RC/JU
Sample : P5302-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AQ2

Manual IntegrationsAPPROVED

Quant Time: Dec 24 06:54:01 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: BM049171.D\data.ms

(13) Phenanthrene-d10 (I)

16.937min (-0.012) 0.40 ng/ul m

response 22045

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	8.91
80.00	10.70	10.07
0.00	0.00	0.00

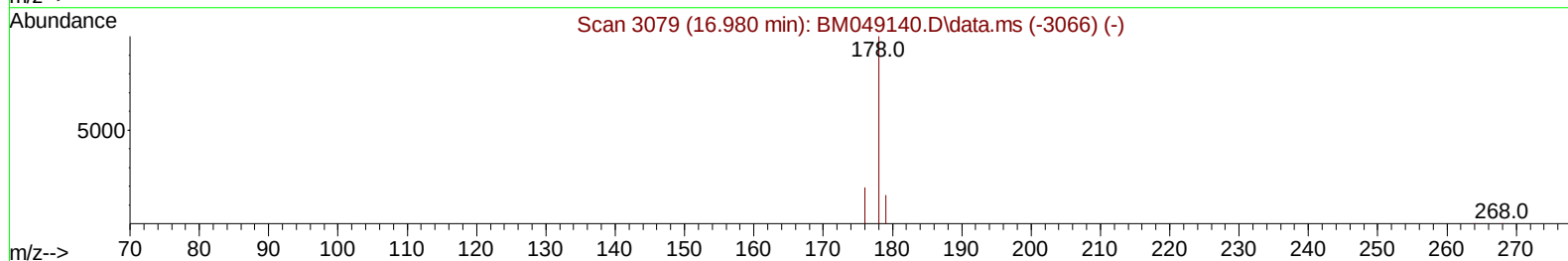
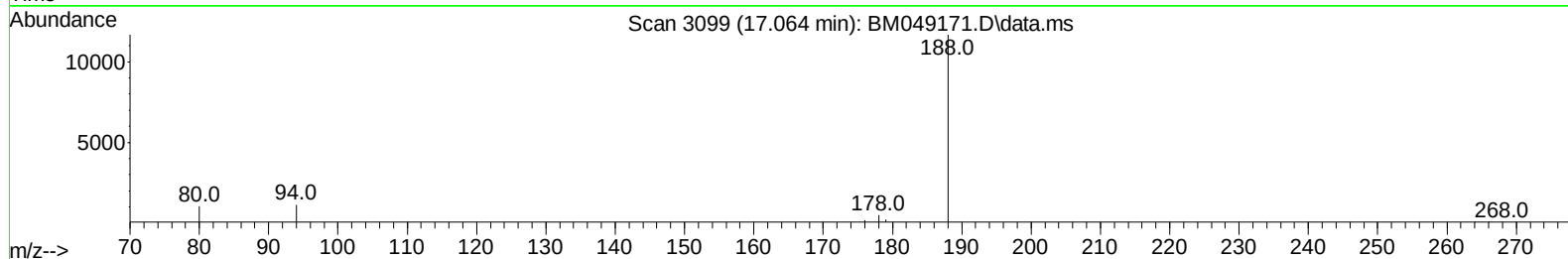
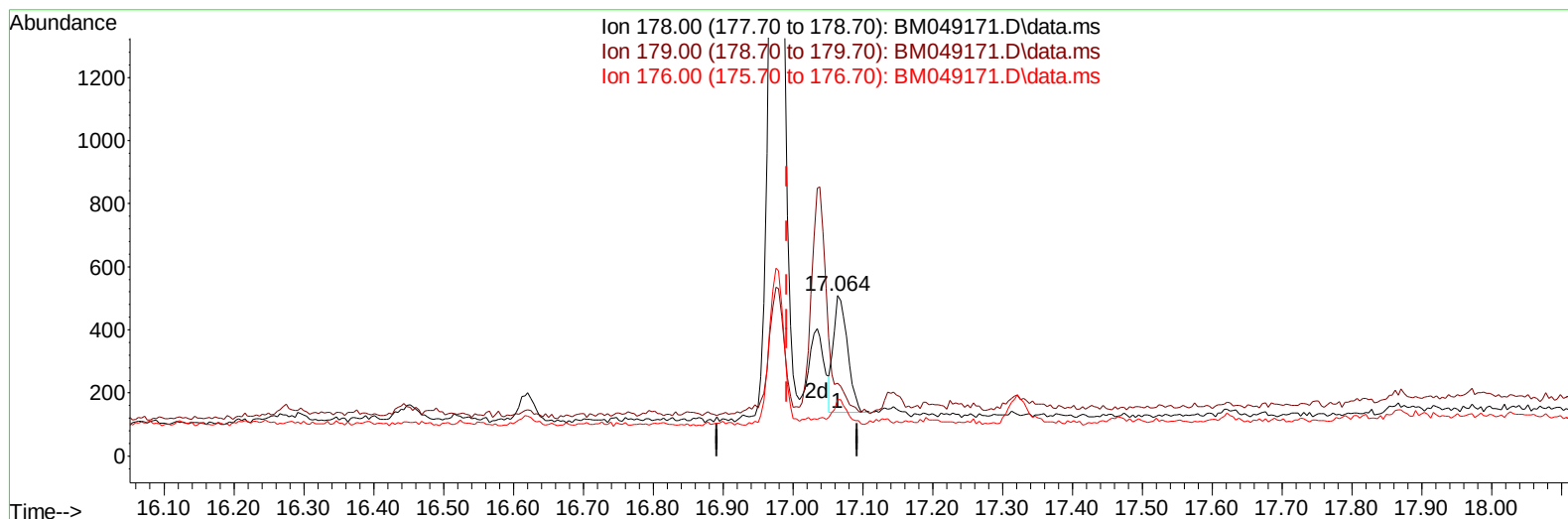
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049171.D
Acq On : 24 Dec 2024 06:25
Operator : RC/JU
Sample : P5302-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AQ2

Manual IntegrationsAPPROVED

Quant Time: Dec 24 06:54:01 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: BM049171.D\data.ms

(15) Phenanthrene

17.064min (+ 0.072) 0.01 ng/ul

response 516

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	45.38#
176.00	20.20	34.97#
0.00	0.00	0.00

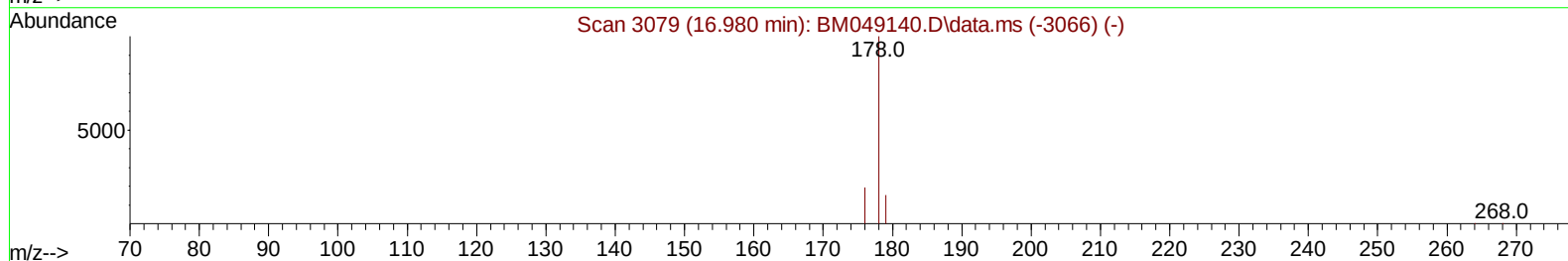
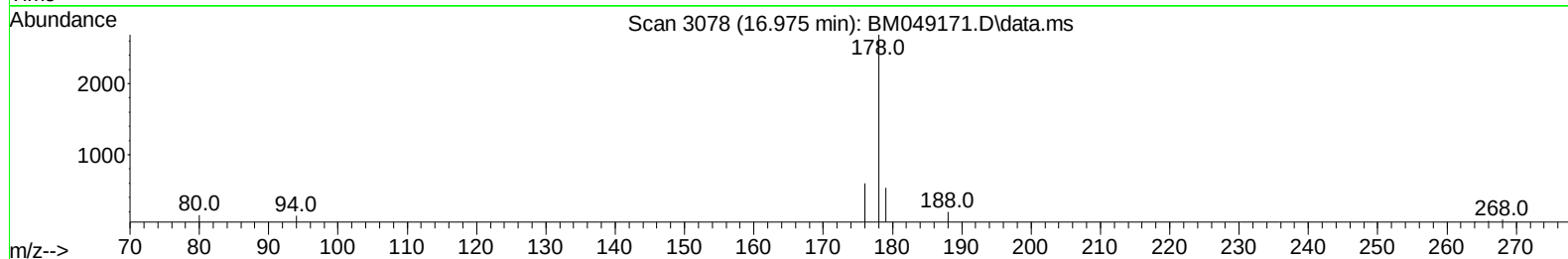
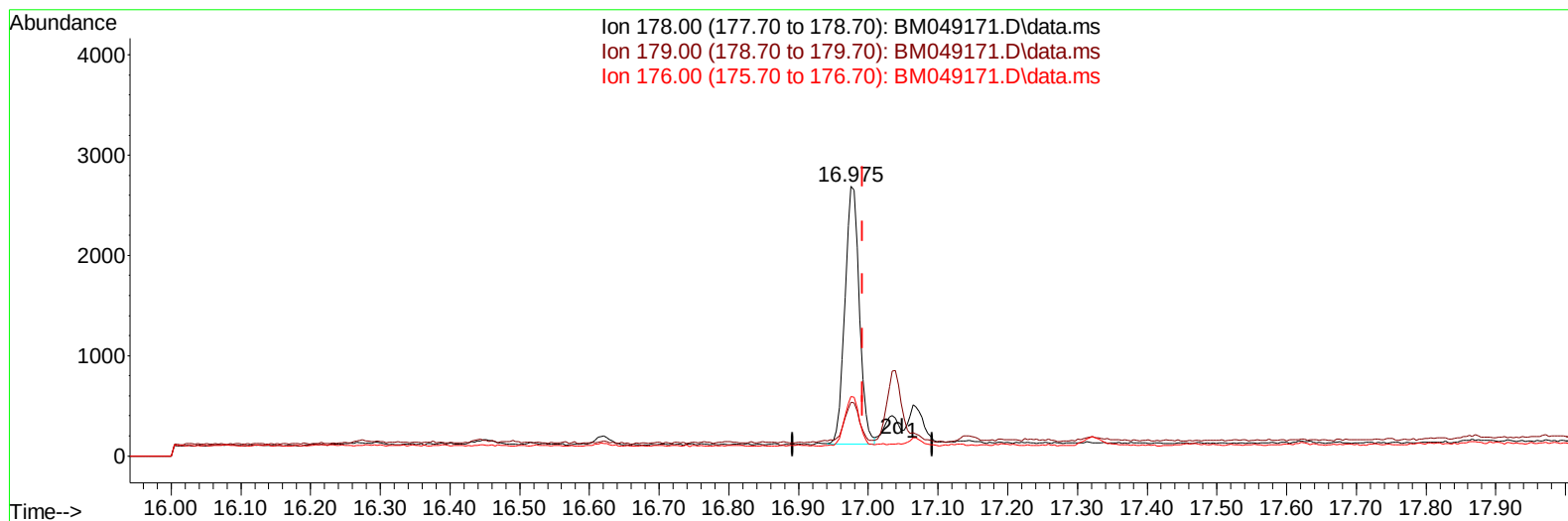
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049171.D
Acq On : 24 Dec 2024 06:25
Operator : RC/JU
Sample : P5302-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AQ2

Manual IntegrationsAPPROVED

Quant Time: Dec 24 06:54:01 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: BM049171.D\data.ms

(15) Phenanthrene

16.975min (-0.017) 0.06 ng/ul m

response 3682

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	19.94#
176.00	20.20	22.17
0.00	0.00	0.00

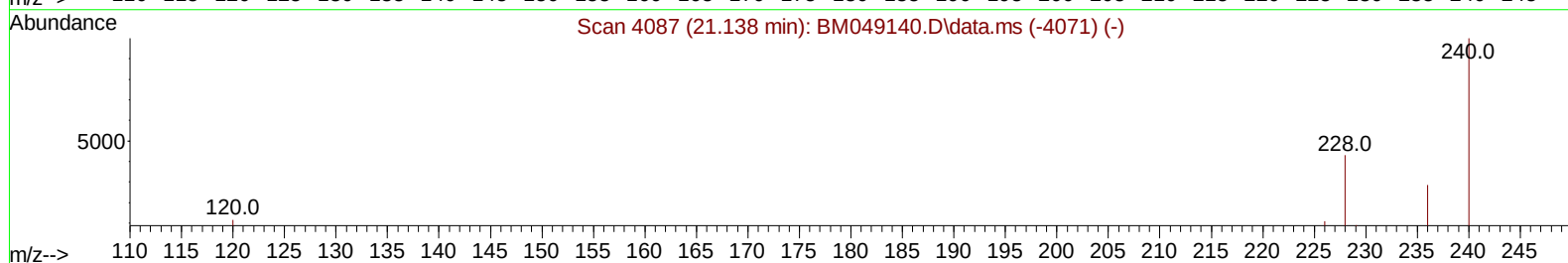
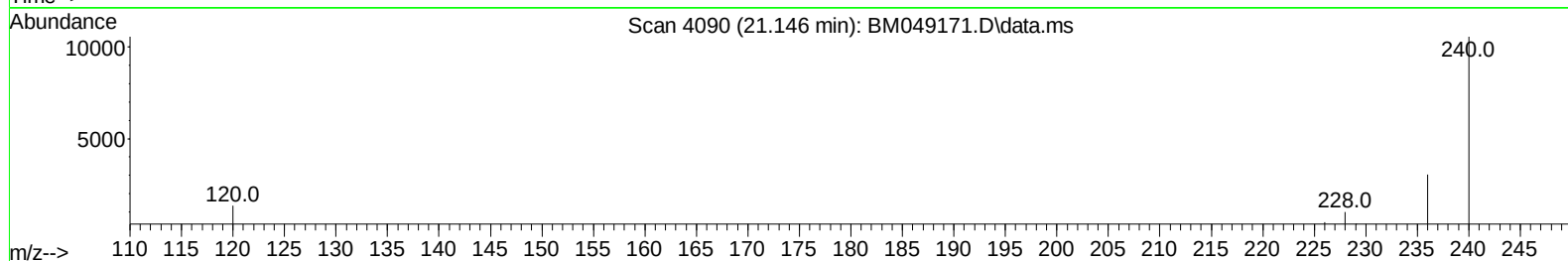
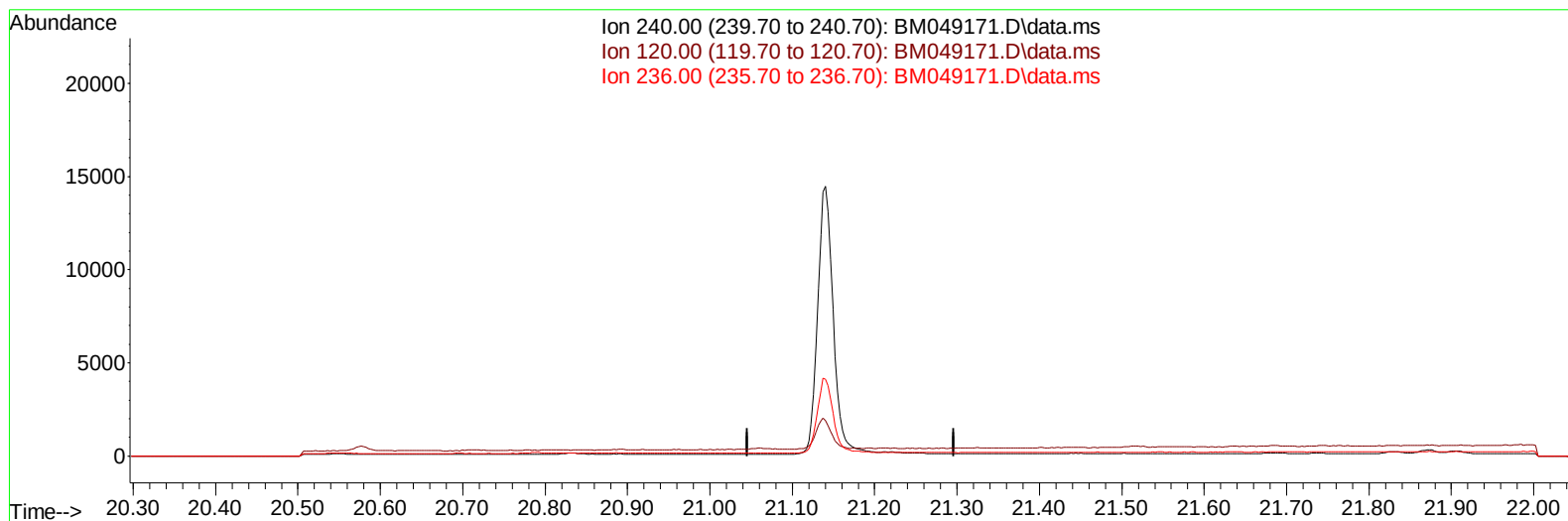
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049171.D
Acq On : 24 Dec 2024 06:25
Operator : RC/JU
Sample : P5302-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AQ2

Manual IntegrationsAPPROVED

Quant Time: Dec 24 06:54:01 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: BM049171.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

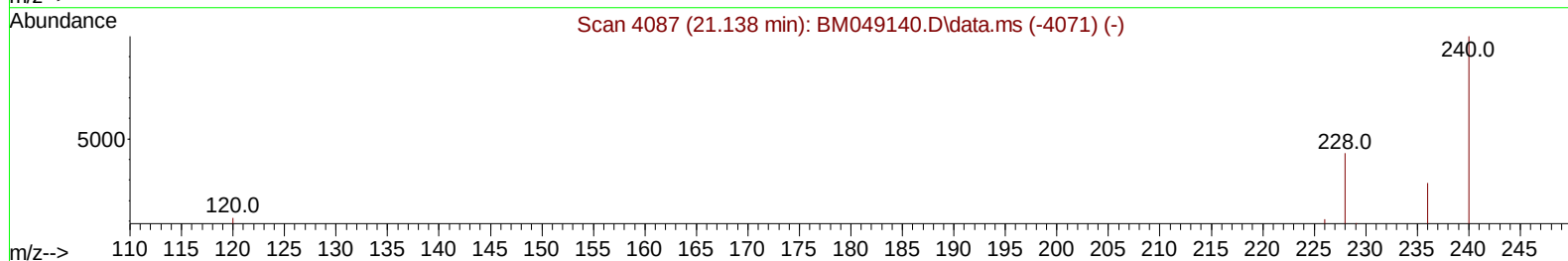
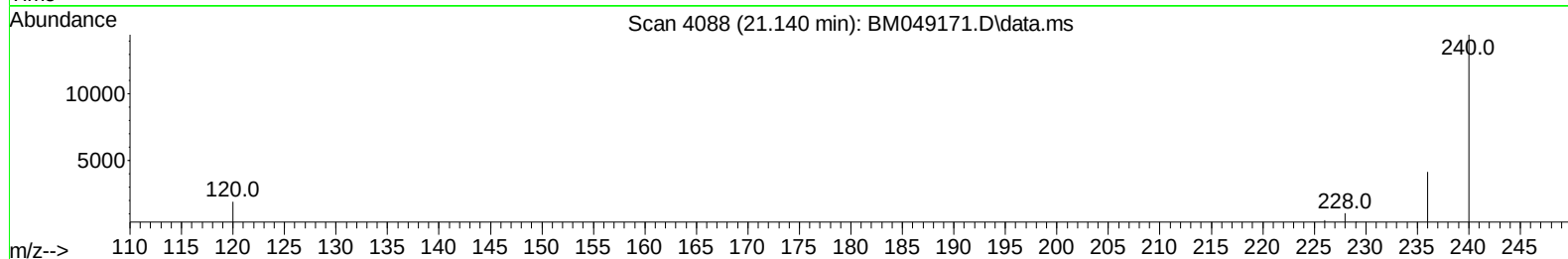
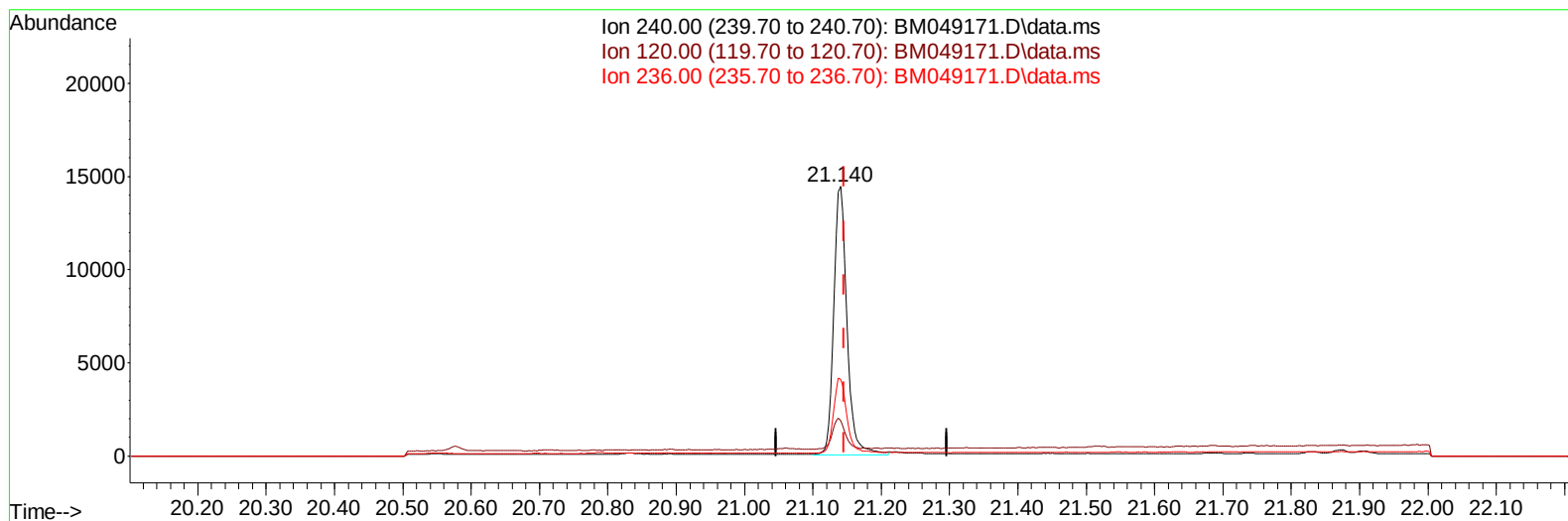
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049171.D
Acq On : 24 Dec 2024 06:25
Operator : RC/JU
Sample : P5302-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AQ2

Manual IntegrationsAPPROVED

Quant Time: Dec 24 06:54:01 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: BM049171.D\data.ms

(17) Chrysene-d12

21.140min (-0.006) 0.40 ng/ul m

response 19361

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	14.50	13.22
236.00	29.80	28.48
0.00	0.00	0.00

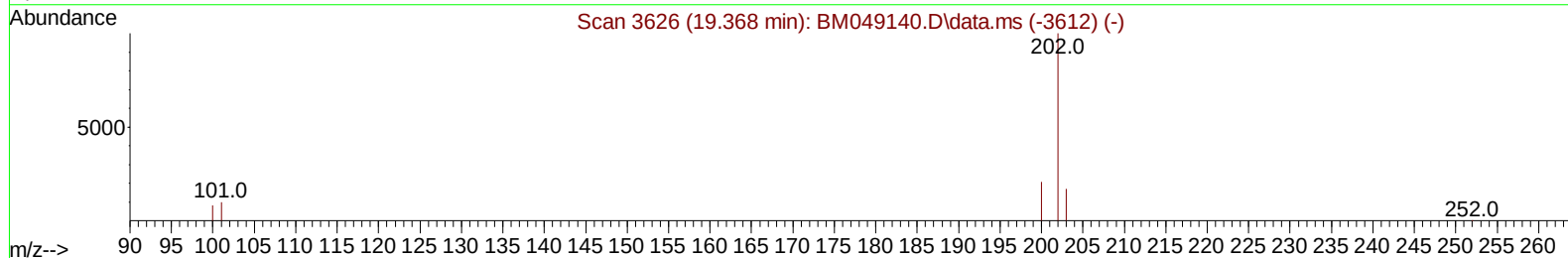
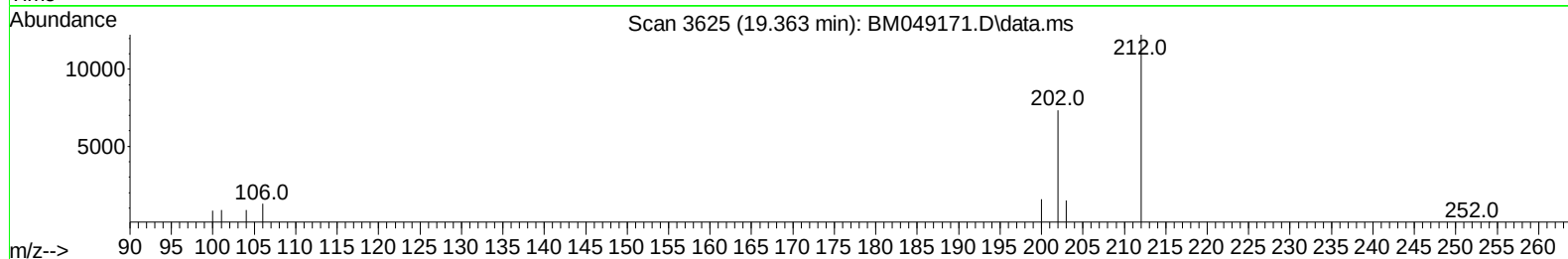
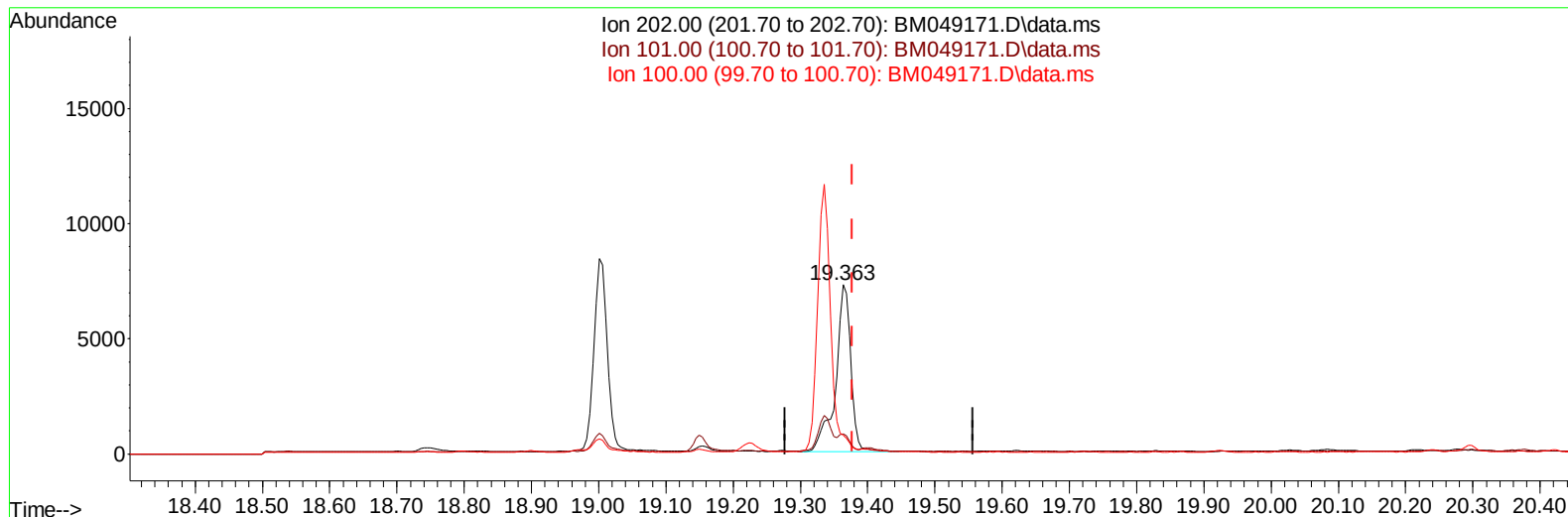
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049171.D
Acq On : 24 Dec 2024 06:25
Operator : RC/JU
Sample : P5302-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AQ2

Manual IntegrationsAPPROVED

Quant Time: Dec 24 06:54:01 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: BM049171.D\data.ms

(20) Pyrene

19.363min (-0.014) 0.15 ng/u1

response 11393

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.10	11.92
100.00	8.60	11.03#
0.00	0.00	0.00

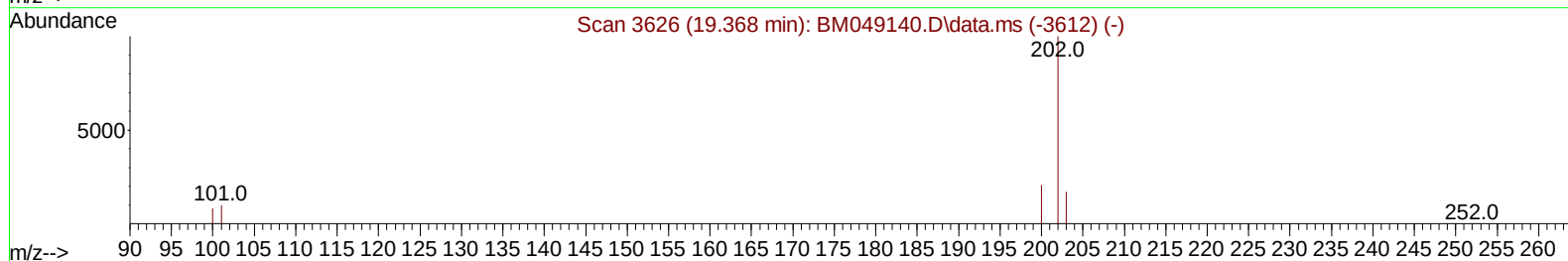
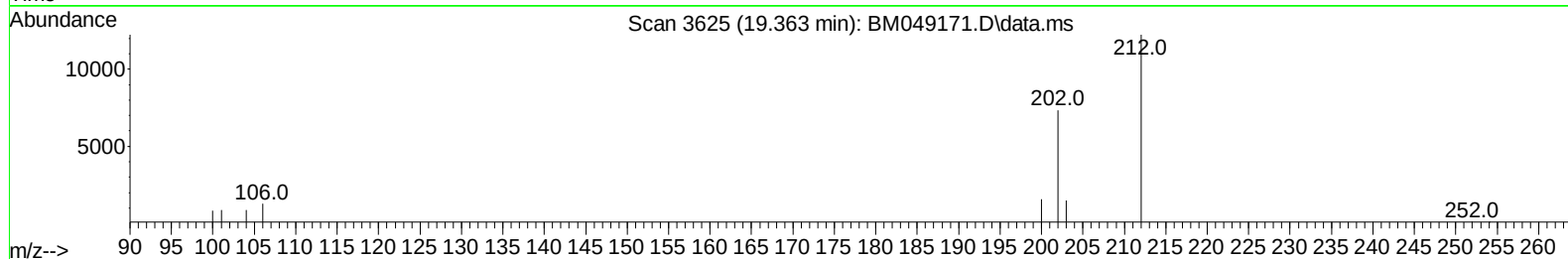
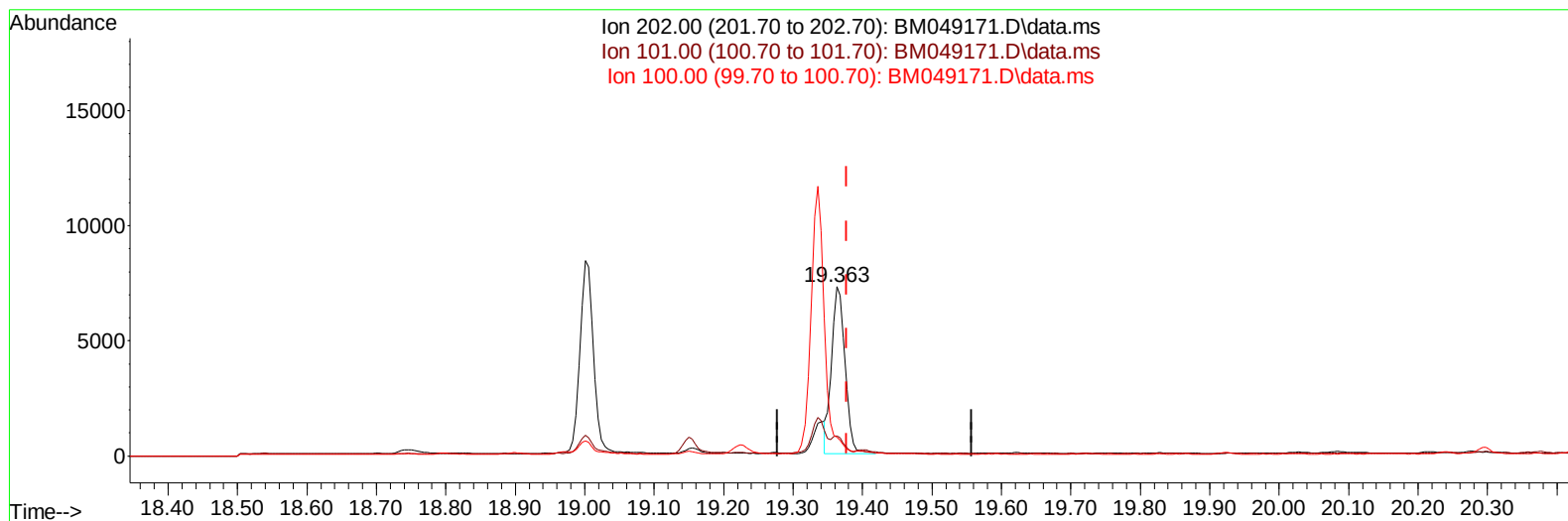
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049171.D
Acq On : 24 Dec 2024 06:25
Operator : RC/JU
Sample : P5302-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AQ2

Manual IntegrationsAPPROVED

Quant Time: Dec 24 06:54:01 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: BM049171.D\data.ms

(20) Pyrene

19.363min (-0.014) 0.13 ng/ul m

response 9759

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.10	11.92
100.00	8.60	11.03#
0.00	0.00	0.00

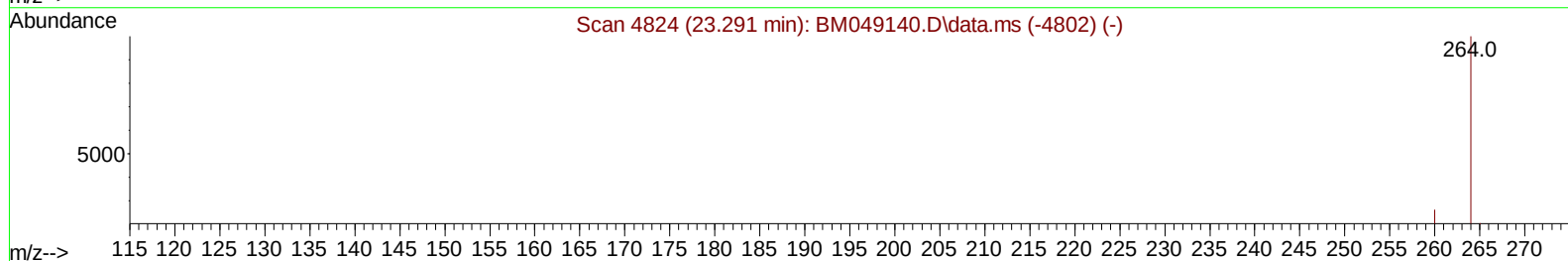
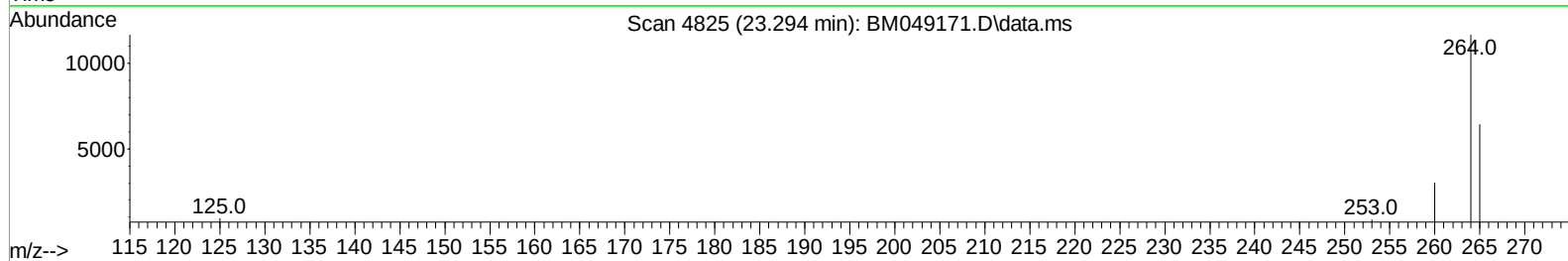
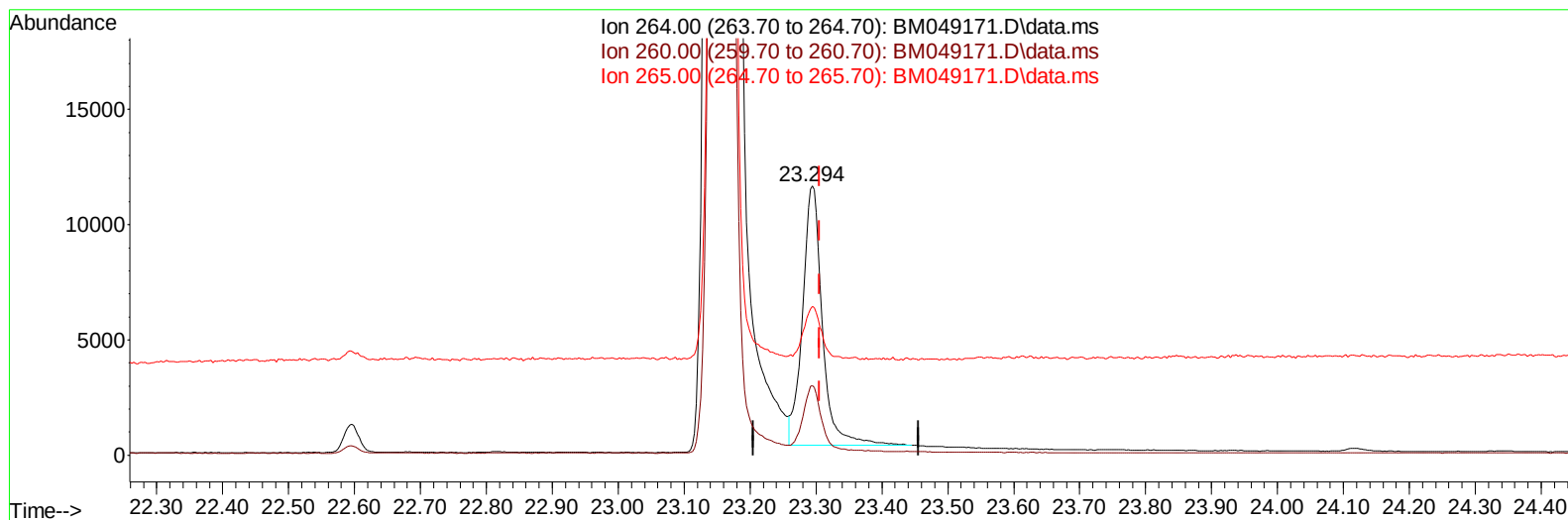
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049171.D
Acq On : 24 Dec 2024 06:25
Operator : RC/JU
Sample : P5302-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AQ2

Manual IntegrationsAPPROVED

Quant Time: Dec 24 06:54:01 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: BM049171.D\data.ms

(23) Perylene-d12 (I)

23.294min (-0.012) 0.40 ng/u1

response 23621

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	25.86
265.00	78.30	55.20#
0.00	0.00	0.00

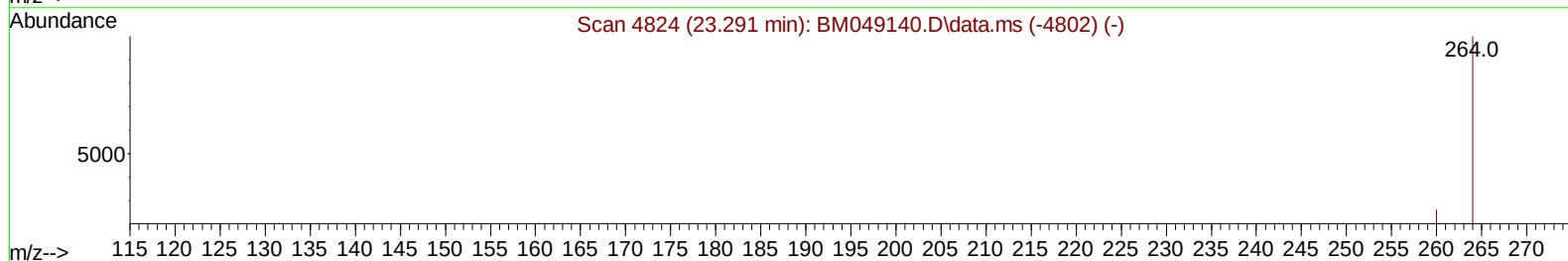
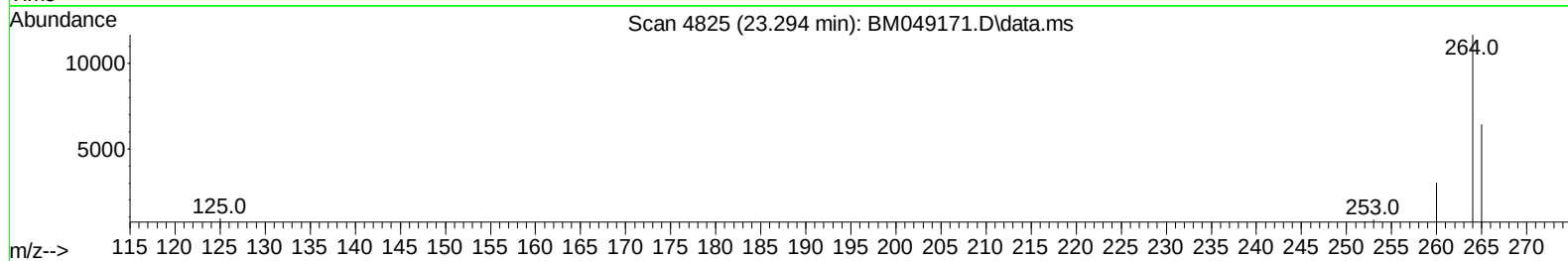
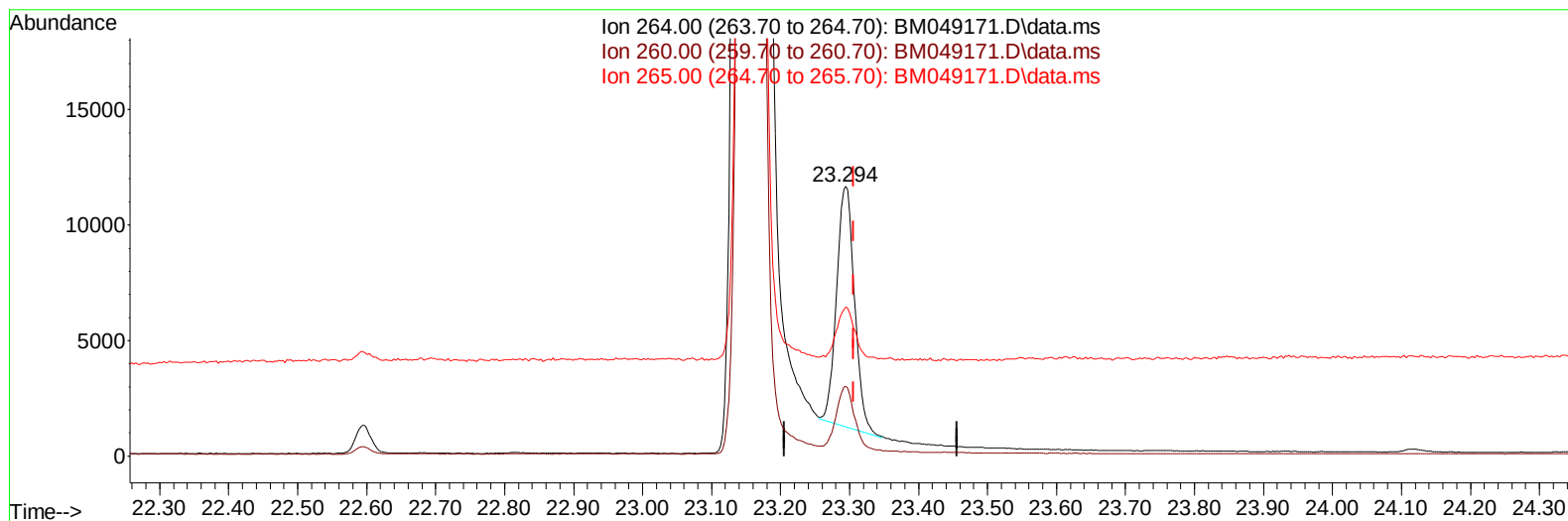
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049171.D
Acq On : 24 Dec 2024 06:25
Operator : RC/JU
Sample : P5302-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AQ2

Manual IntegrationsAPPROVED

Quant Time: Dec 24 06:54:01 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: BM049171.D\data.ms

(23) Perylene-d12 (I)

23.294min (-0.012) 0.40 ng/ul m

response 18873

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	25.86
265.00	78.30	55.20#
0.00	0.00	0.00

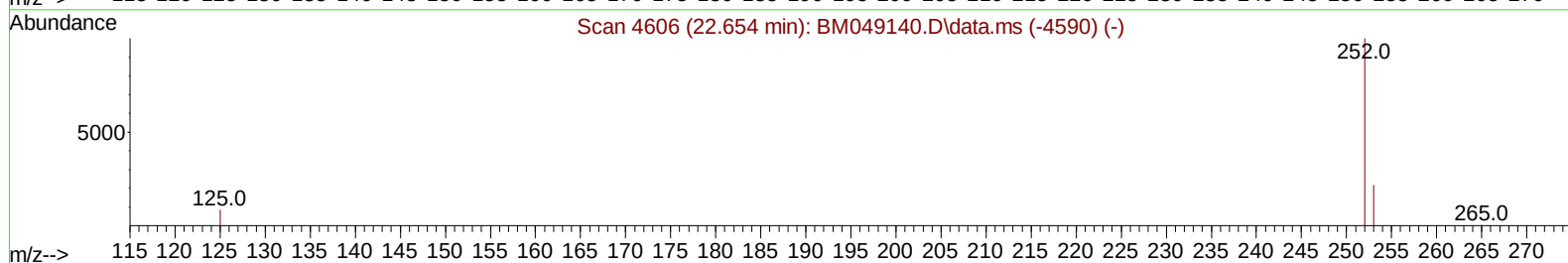
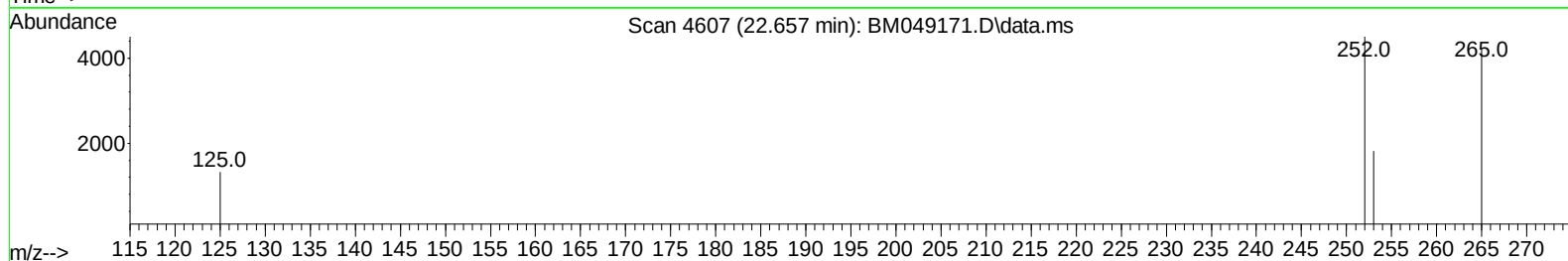
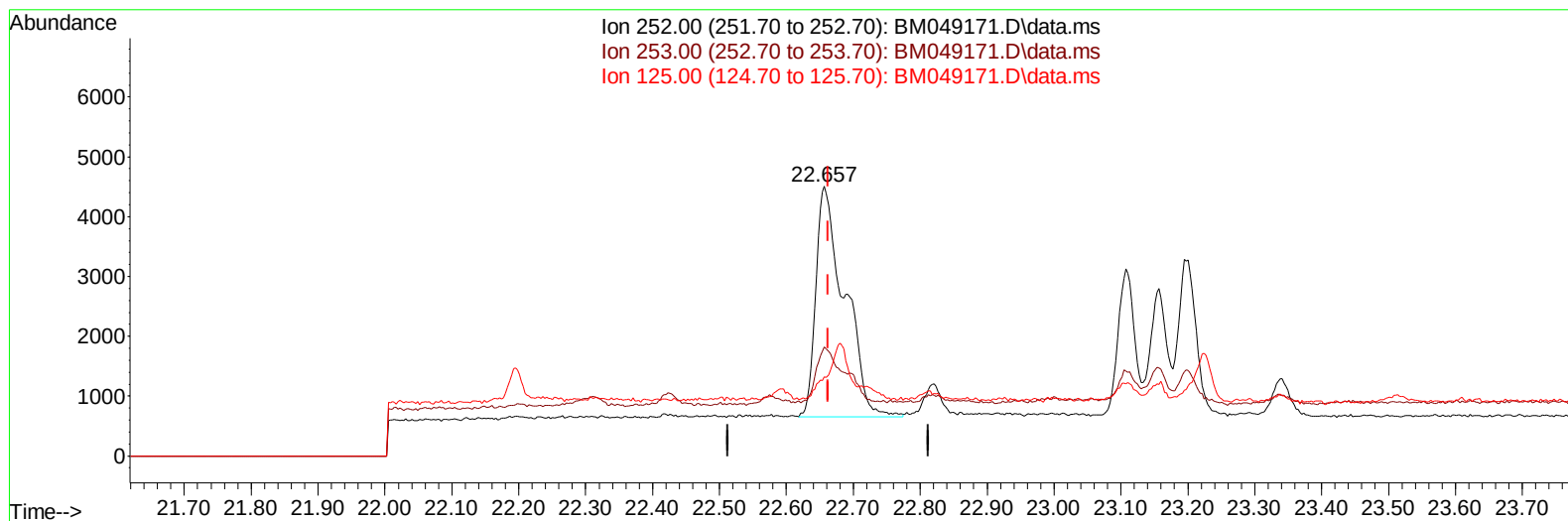
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049171.D
Acq On : 24 Dec 2024 06:25
Operator : RC/JU
Sample : P5302-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AQ2

Manual IntegrationsAPPROVED

Quant Time: Dec 24 06:54:01 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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Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049171.D\data.ms

(24) Benzo(b)fluoranthene

22.657min (-0.006) 0.19 ng/u1

response 11455

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	40.41
125.00	15.40	29.46
0.00	0.00	0.00

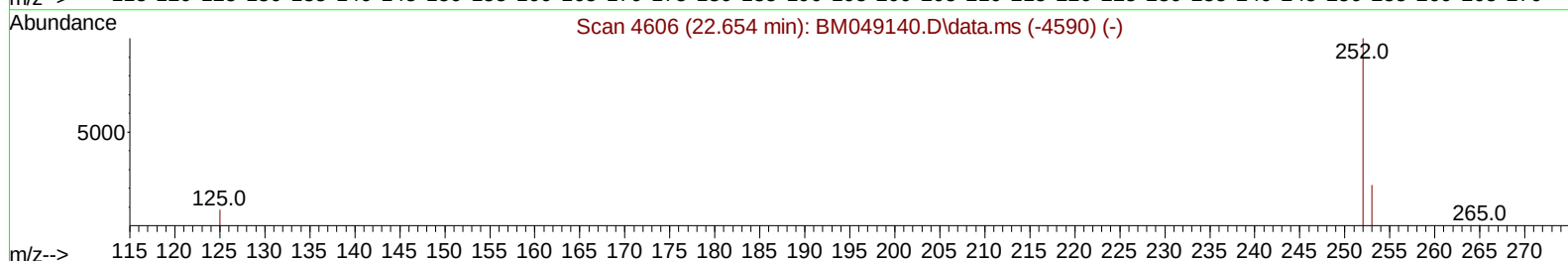
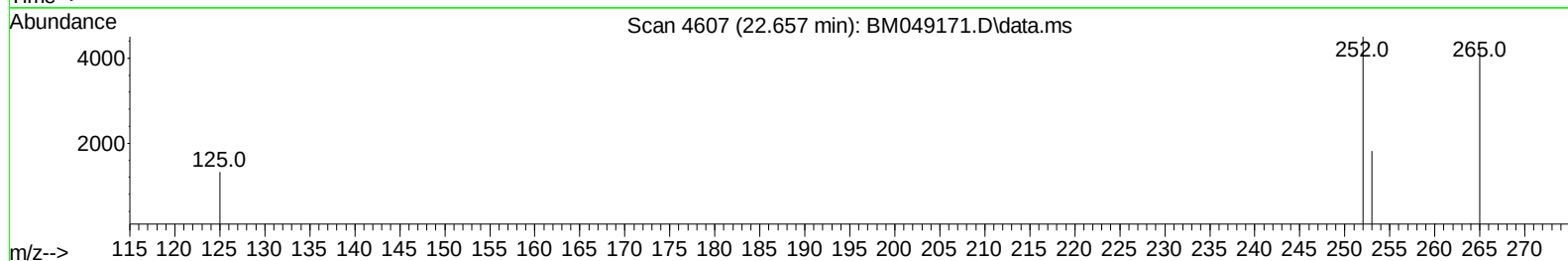
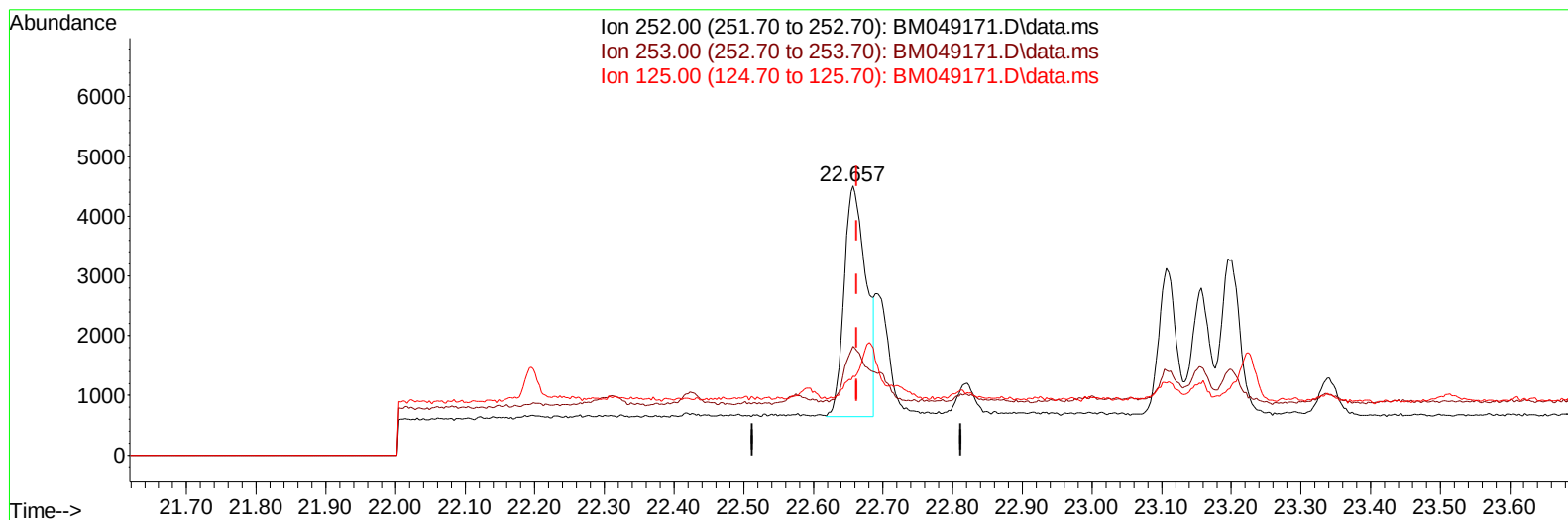
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049171.D
Acq On : 24 Dec 2024 06:25
Operator : RC/JU
Sample : P5302-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AQ2

Manual IntegrationsAPPROVED

Quant Time: Dec 24 06:54:01 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: BM049171.D\data.ms

(24) Benzo(b)fluoranthene

22.657min (-0.006) 0.14 ng/ul m

response 8469

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	40.41
125.00	15.40	29.46
0.00	0.00	0.00

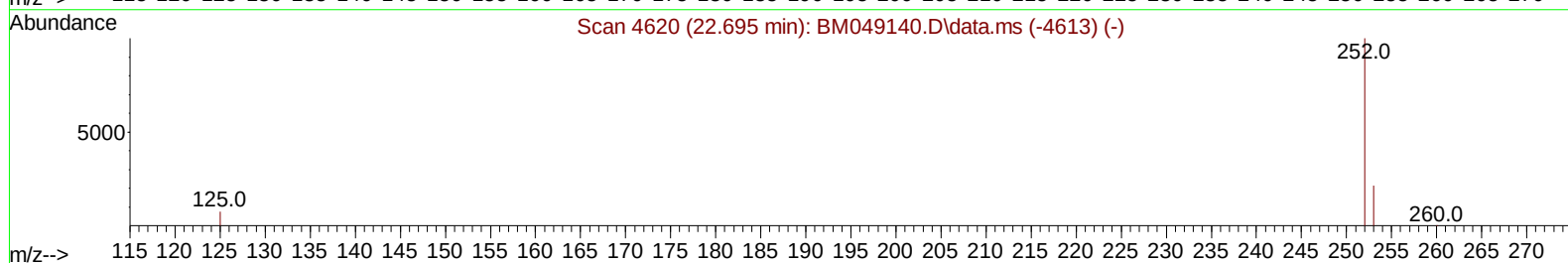
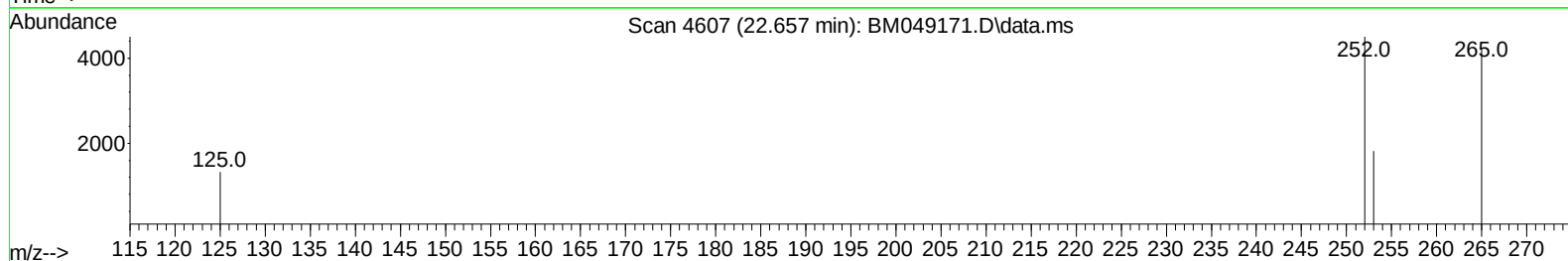
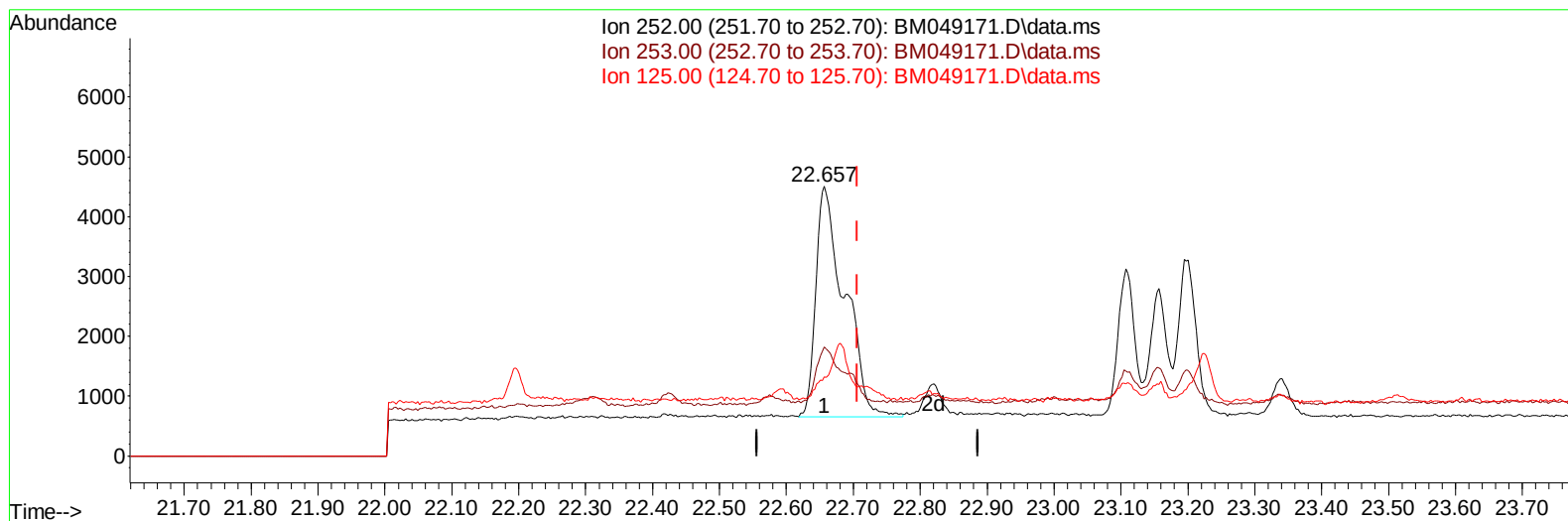
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049171.D
Acq On : 24 Dec 2024 06:25
Operator : RC/JU
Sample : P5302-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AQ2

Manual IntegrationsAPPROVED

Quant Time: Dec 24 06:54:01 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: BM049171.D\data.ms

(25) Benzo(k)fluoranthene

22.657min (-0.050) 0.17 ng/u1

response 11455

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	40.41#
125.00	15.70	29.46#
0.00	0.00	0.00

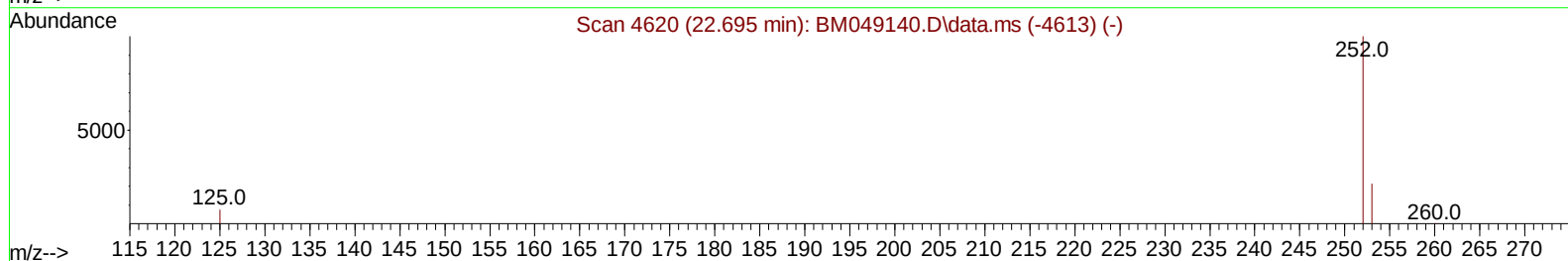
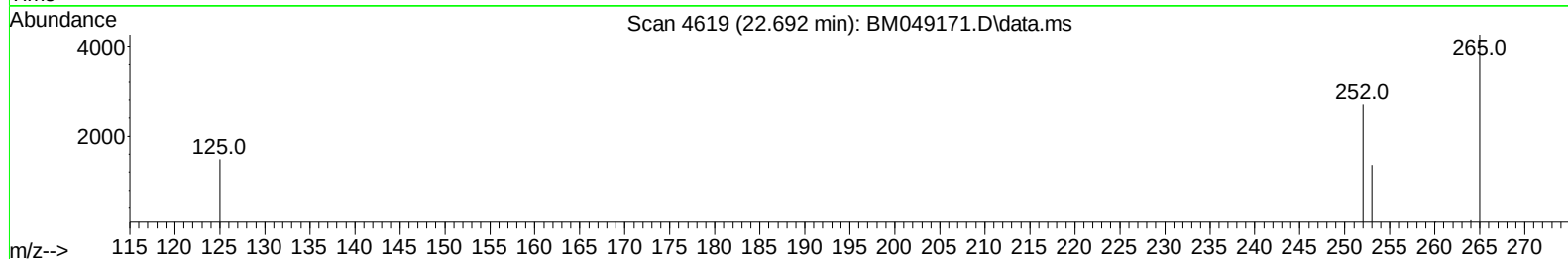
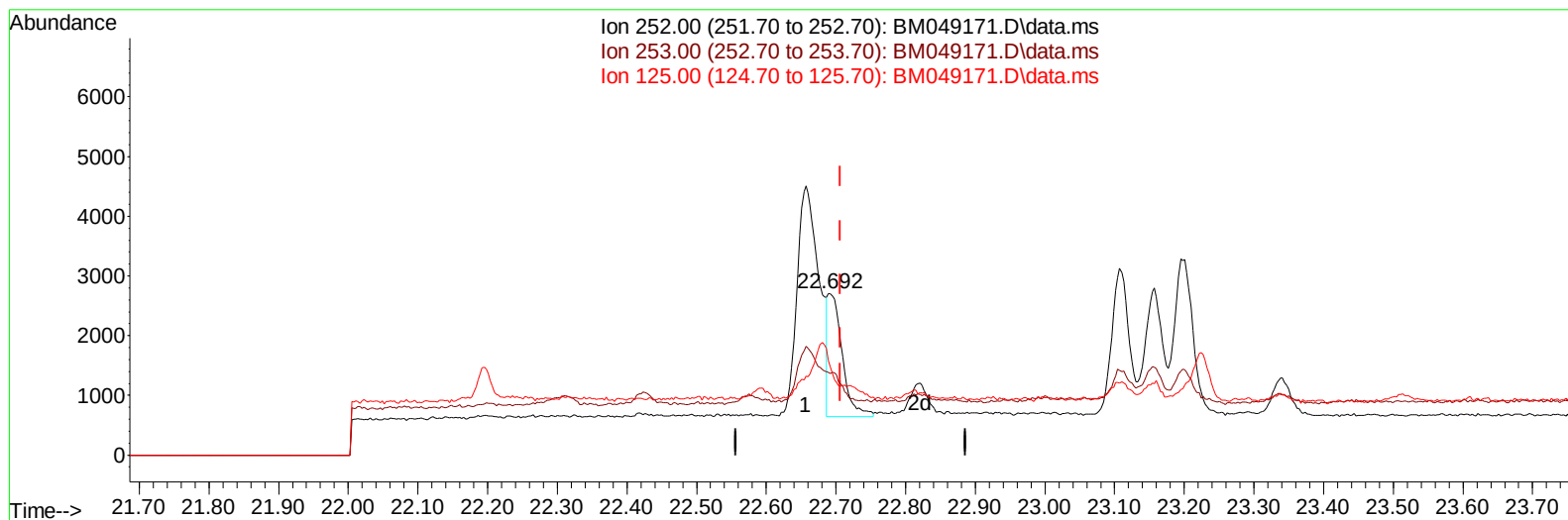
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049171.D
Acq On : 24 Dec 2024 06:25
Operator : RC/JU
Sample : P5302-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AQ2

Manual IntegrationsAPPROVED

Quant Time: Dec 24 06:54:01 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: BM049171.D\data.ms

(25) Benzo(k)fluoranthene

22.692min (-0.014) 0.04 ng/ul m

response 2961

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	50.41#
125.00	15.70	54.95#
0.00	0.00	0.00

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.552	152		5974	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.314	136		17958	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.186	164		9908	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.937	188		22045m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.140	240		19361m	0.400	ng/ul	0.00
23) Perylene-d12	23.294	264		18873m	0.400	ng/ul	-0.01
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.143	96		22749	3.302	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.914	152		5314	0.220	ng/ul	-0.01
18) Fluoranthene-d10	18.973	212		11275	0.205	ng/ul	0.00
Target Compounds							
							Qvalue
15) Phenanthrene	16.975	178		3682m	0.064	ng/ul	
19) Fluoranthene	19.001	202		11773	0.168	ng/ul	97
20) Pyrene	19.363	202		9759m	0.131	ng/ul	
21) Benzo(a)anthracene	21.123	228		4480	0.067	ng/ul#	92
22) Chrysene	21.175	228		6021	0.083	ng/ul#	93
24) Benzo(b)fluoranthene	22.657	252		8469m	0.140	ng/ul	
25) Benzo(k)fluoranthene	22.692	252		2961m	0.045	ng/ul	
26) Benzo(a)pyrene	23.195	252		4785	0.083	ng/ul#	70
27) Indeno(1,2,3-cd)pyrene	25.431	276		4081	0.050	ng/ul#	99
29) Benzo(g,h,i)perylene	26.074	276		4559	0.069	ng/ul#	86

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

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