

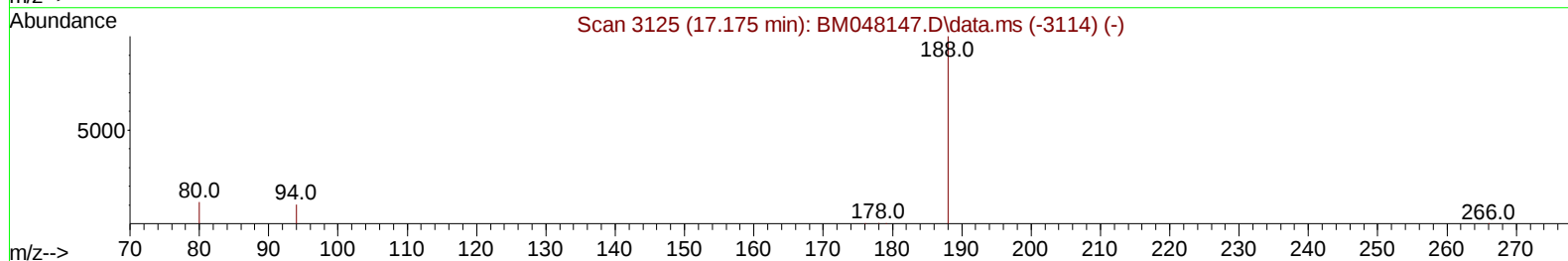
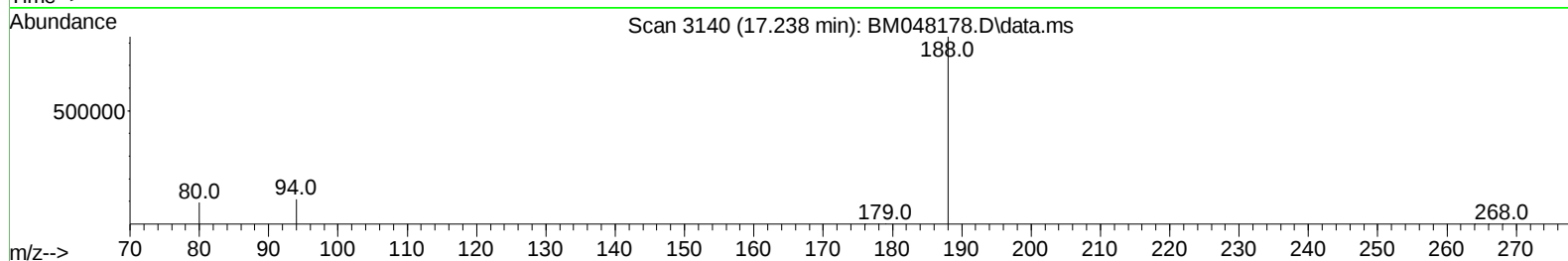
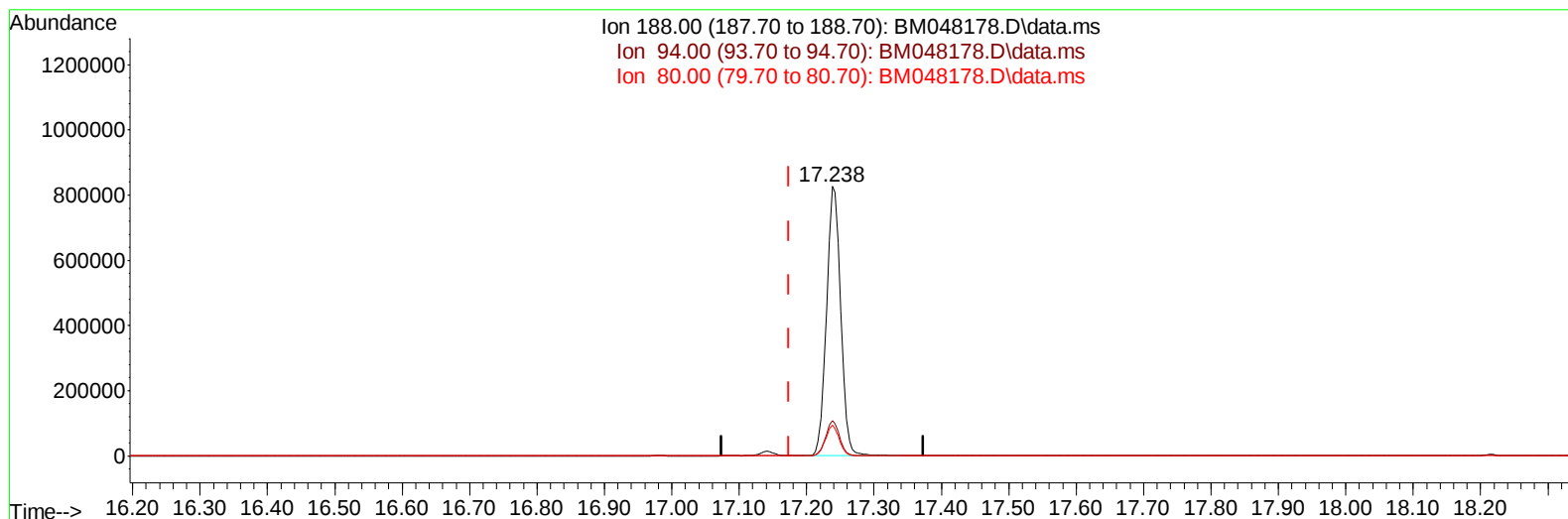
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048178.D
Acq On : 22 Oct 2024 05:41
Operator : RC/JU
Sample : P4380-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27H9

Manual IntegrationsAPPROVED

Quant Time: Oct 22 06:17:54 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: BM048178.D\data.ms

(13) Phenanthrene-d10 (I)

17.238min (+ 0.064) 0.40 ng/u1

response 1205217

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.80	13.10
80.00	12.40	11.41
0.00	0.00	0.00

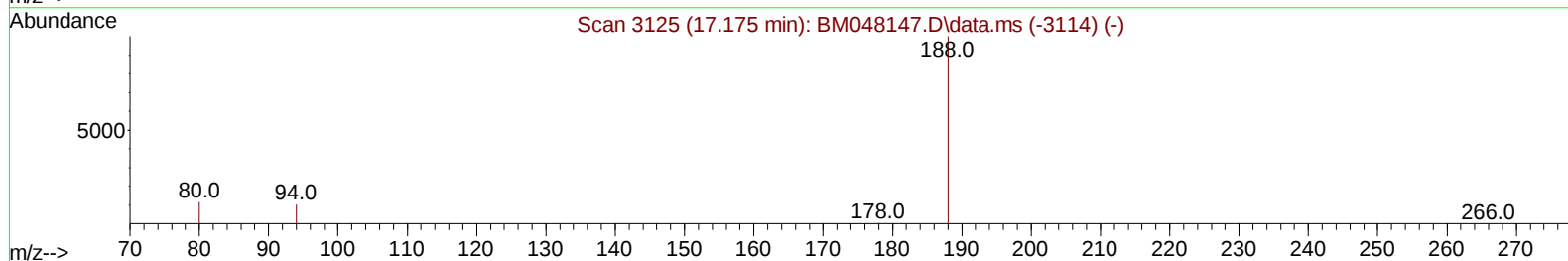
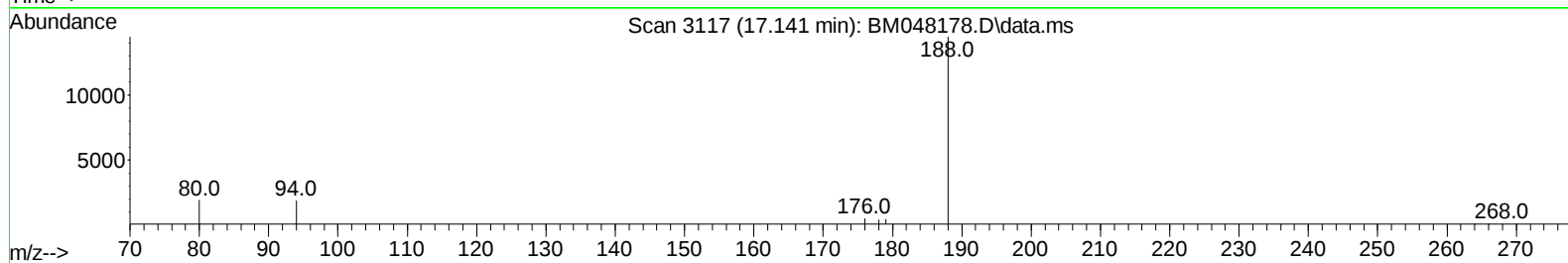
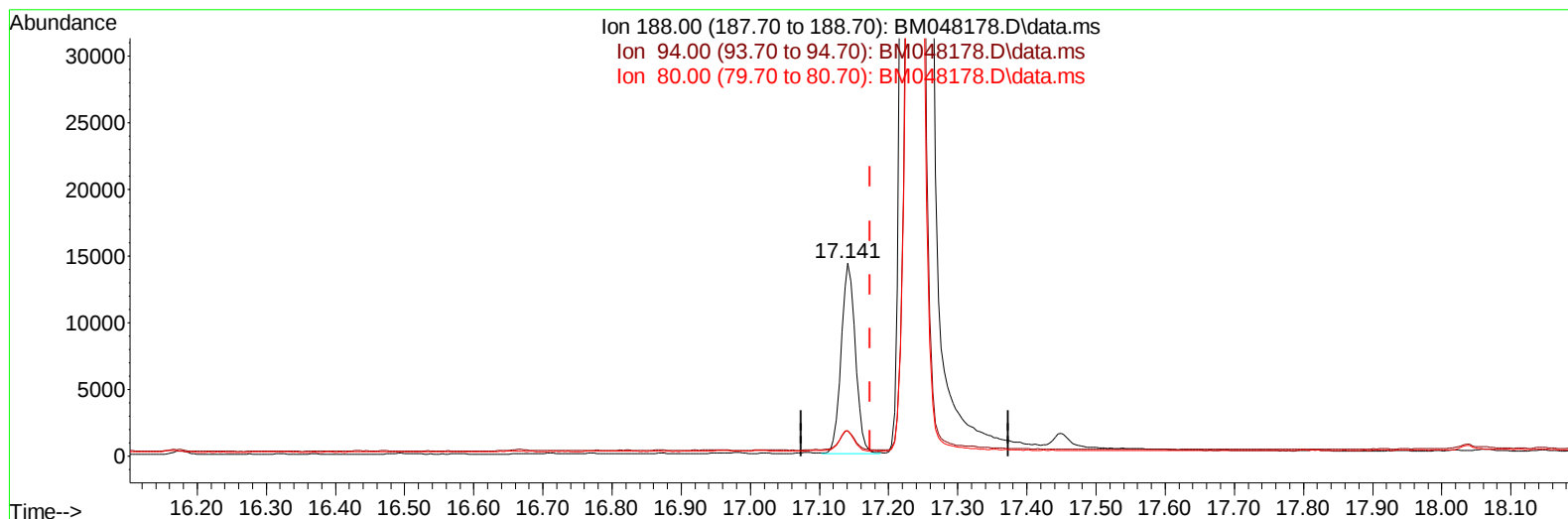
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048178.D
Acq On : 22 Oct 2024 05:41
Operator : RC/JU
Sample : P4380-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27H9

Manual IntegrationsAPPROVED

Quant Time: Oct 22 06:17:54 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: BM048178.D\data.ms

(13) Phenanthrene-d10 (I)

17.141min (-0.033) 0.40 ng/ul m

response 20345

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.80	13.07
80.00	12.40	13.15
0.00	0.00	0.00

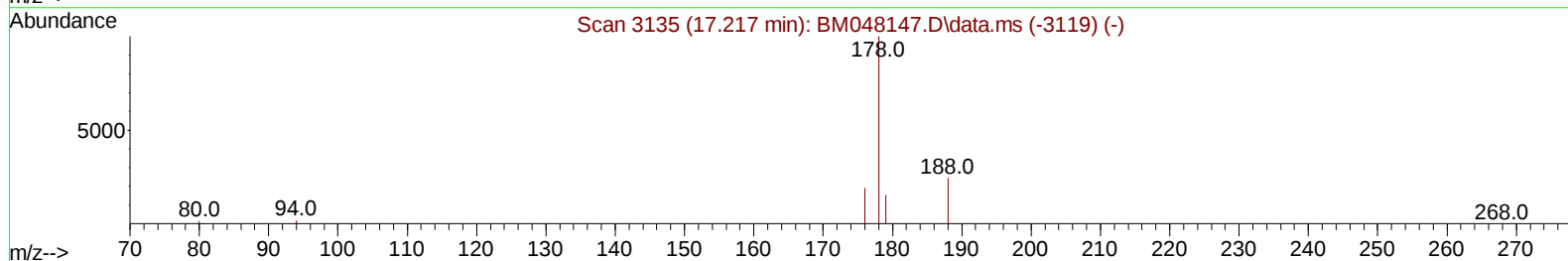
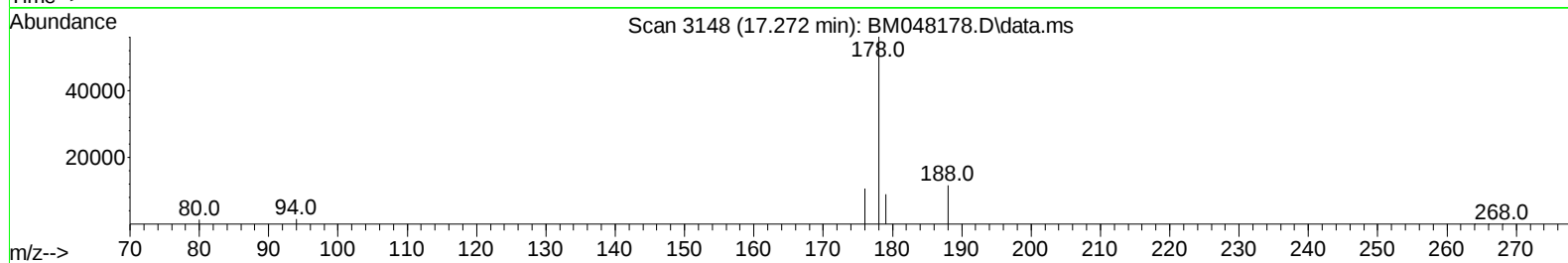
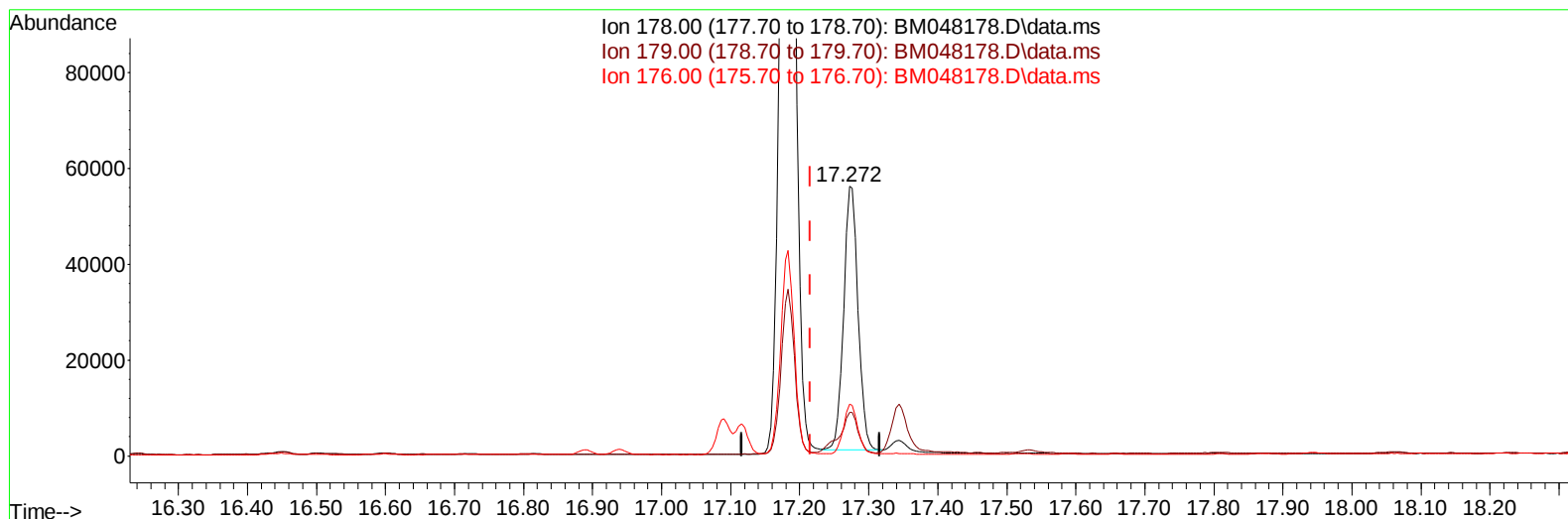
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048178.D
Acq On : 22 Oct 2024 05:41
Operator : RC/JU
Sample : P4380-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27H9

Manual IntegrationsAPPROVED

Quant Time: Oct 22 06:17:54 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: BM048178.D\data.ms

(15) Phenanthrene

17.272min (+ 0.056) 1.56 ng/u1

response 79964

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.50	16.10
176.00	20.00	19.15
0.00	0.00	0.00

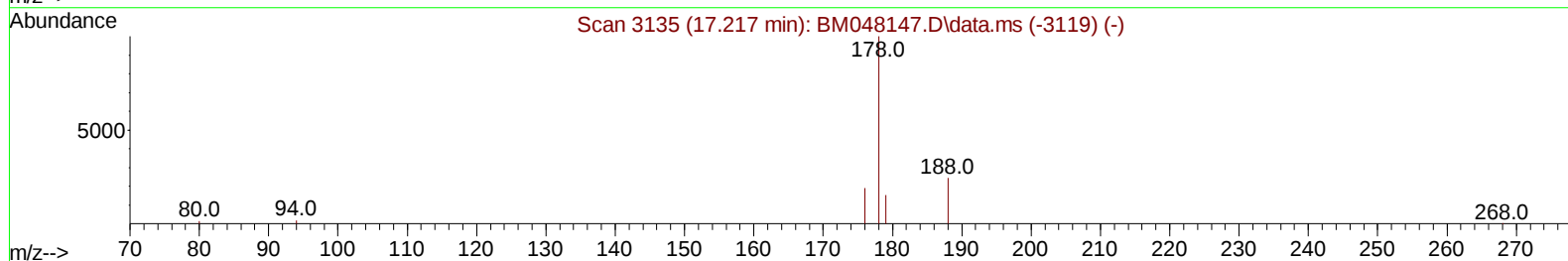
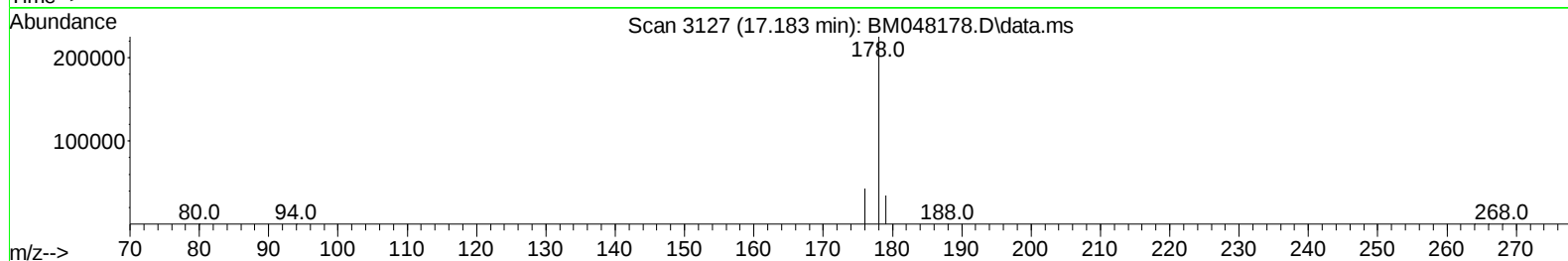
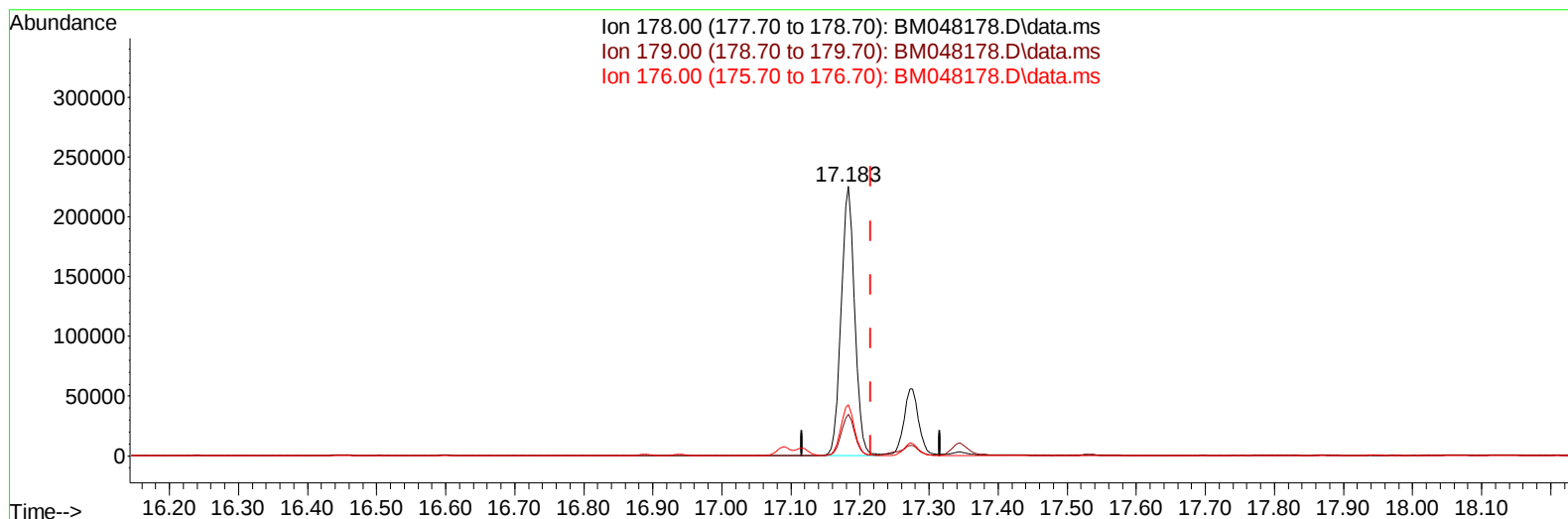
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048178.D
Acq On : 22 Oct 2024 05:41
Operator : RC/JU
Sample : P4380-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27H9

Manual IntegrationsAPPROVED

Quant Time: Oct 22 06:17:54 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: BM048178.D\data.ms

(15) Phenanthrene

17.183min (-0.033) 5.94 ng/ul m

response 305512

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.50	15.46
176.00	20.00	19.01
0.00	0.00	0.00

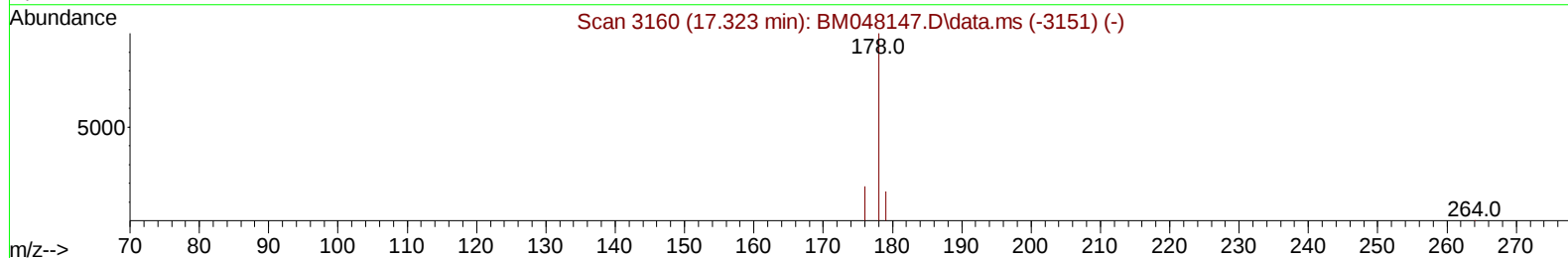
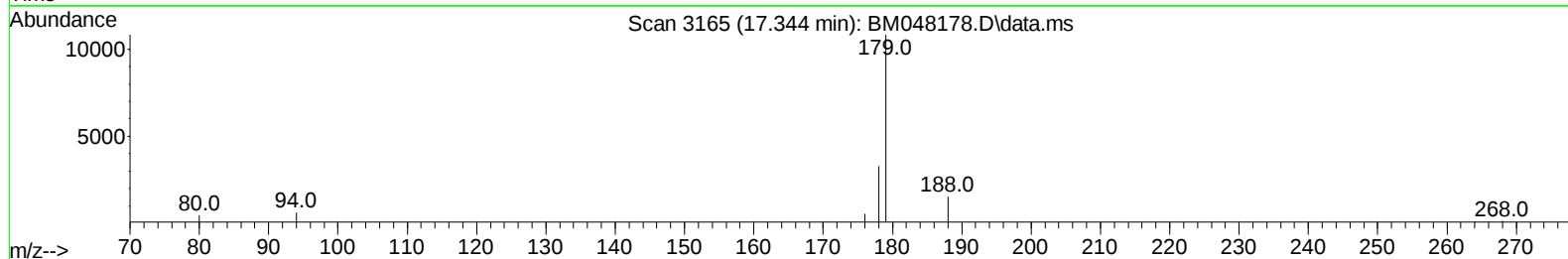
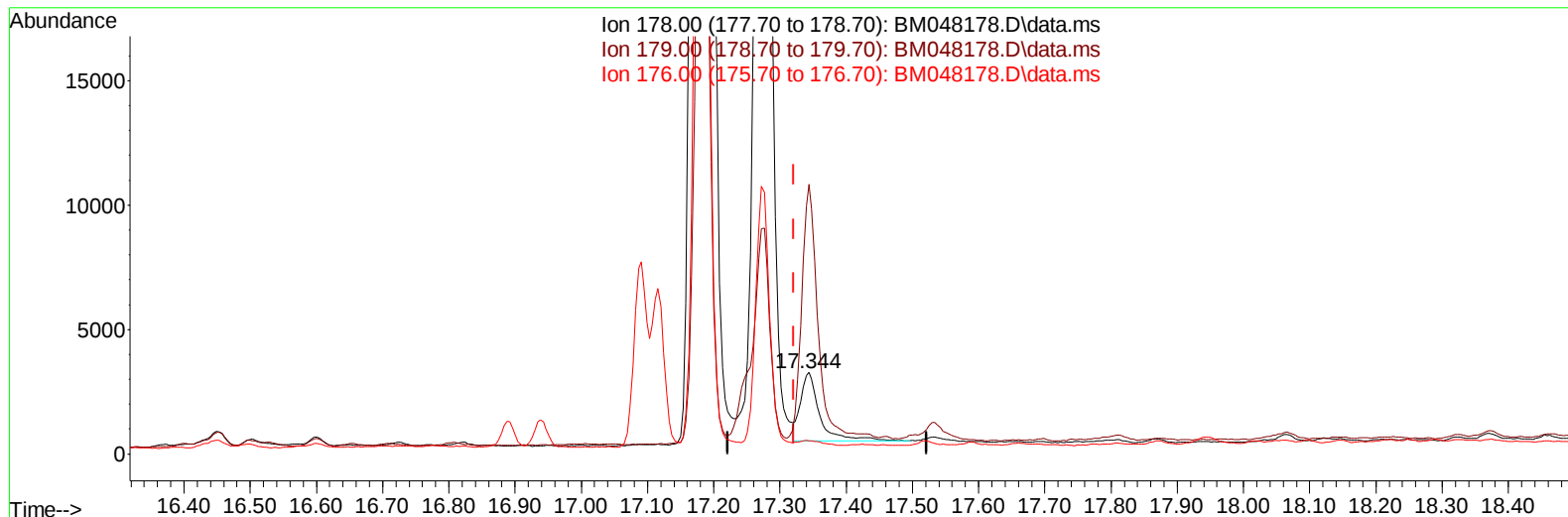
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048178.D
Acq On : 22 Oct 2024 05:41
Operator : RC/JU
Sample : P4380-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27H9

Manual IntegrationsAPPROVED

Quant Time: Oct 22 06:17:54 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
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Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048178.D\data.ms

(16) Anthracene

17.344min (+ 0.022) 0.12 ng/u1

response 5636

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.10	330.32#
176.00	20.00	16.14
0.00	0.00	0.00

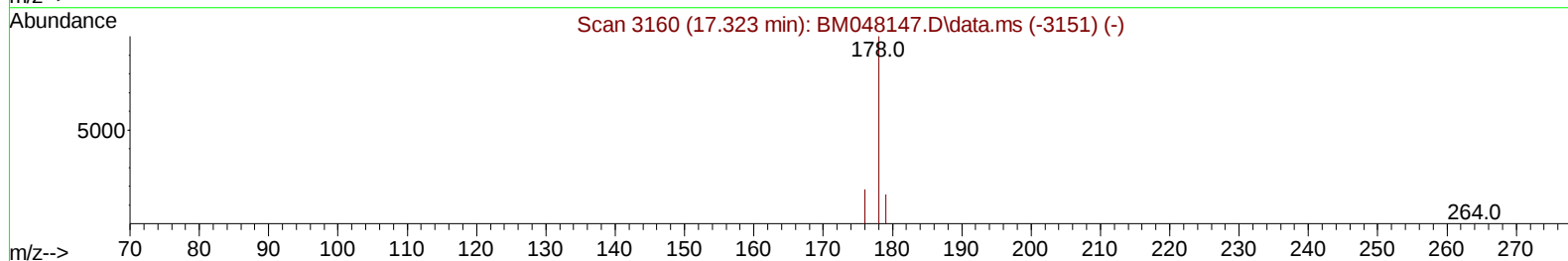
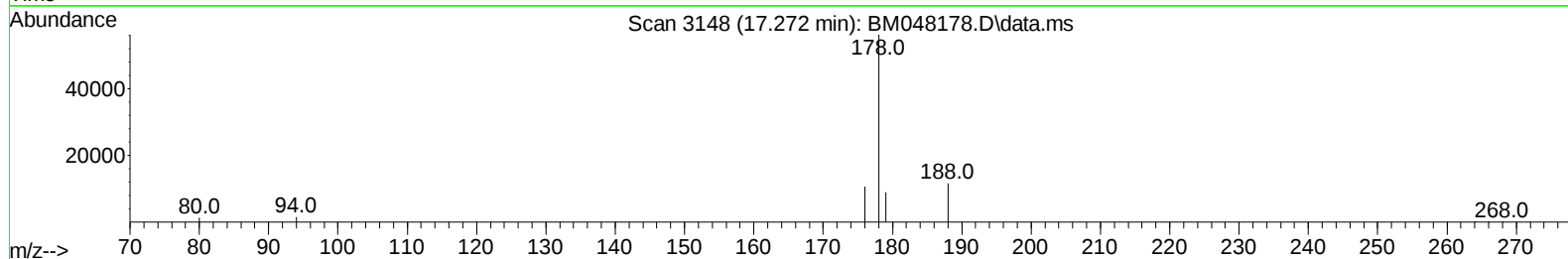
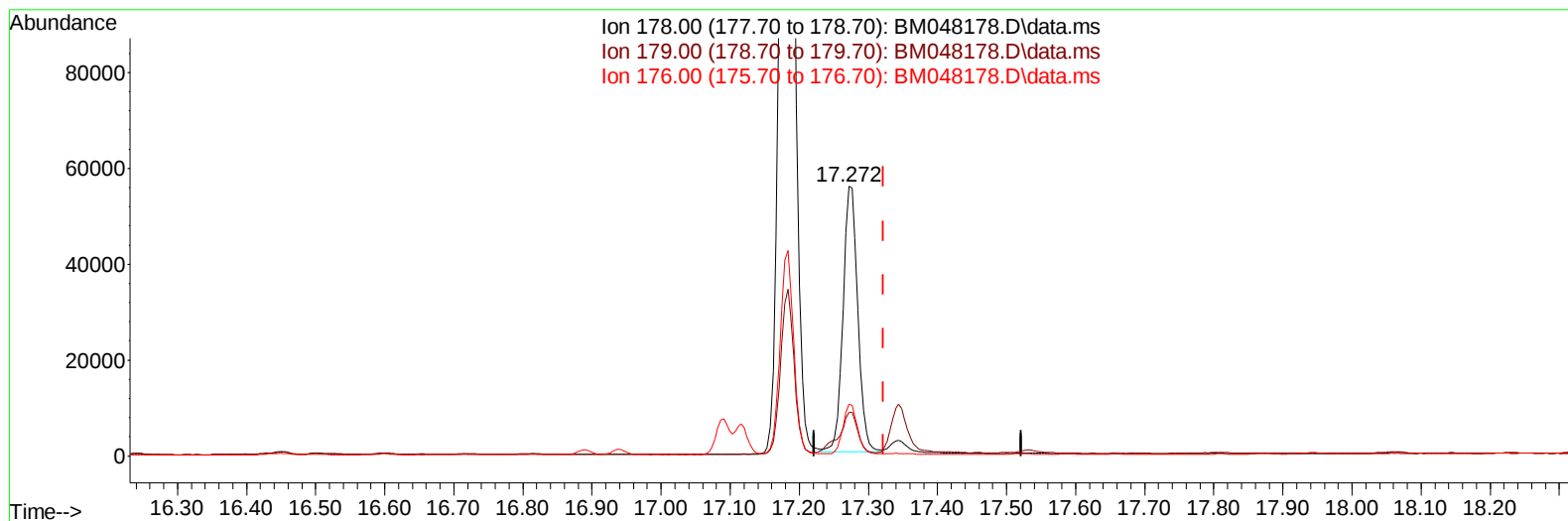
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048178.D
Acq On : 22 Oct 2024 05:41
Operator : RC/JU
Sample : P4380-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27H9

Manual IntegrationsAPPROVED

Quant Time: Oct 22 06:17:54 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: BM048178.D\data.ms

(16) Anthracene

17.272min (-0.050) 1.68 ng/ul m

response 81927

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.10	16.10
176.00	20.00	19.15
0.00	0.00	0.00

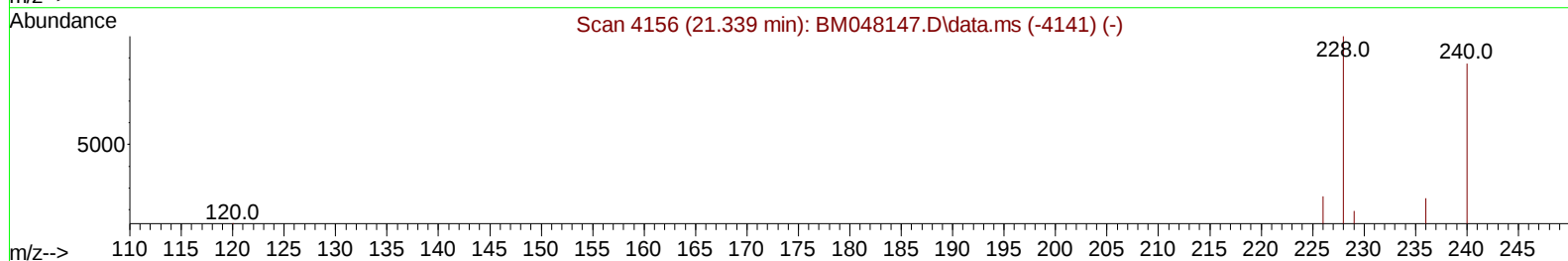
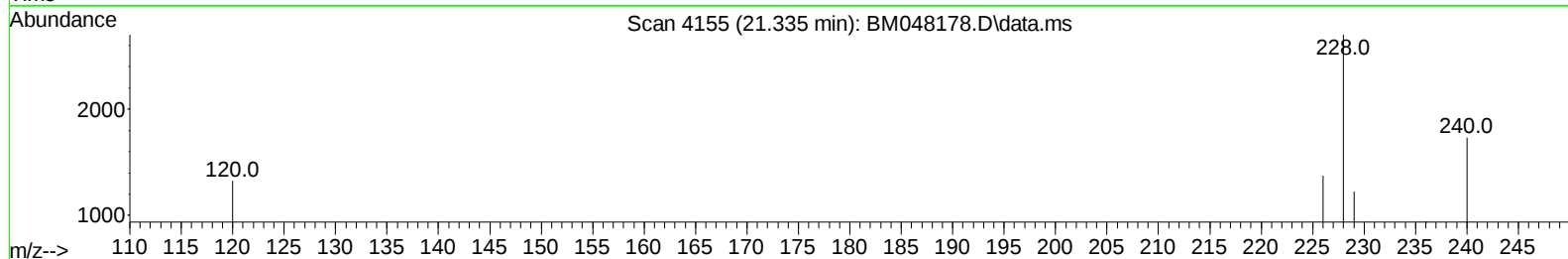
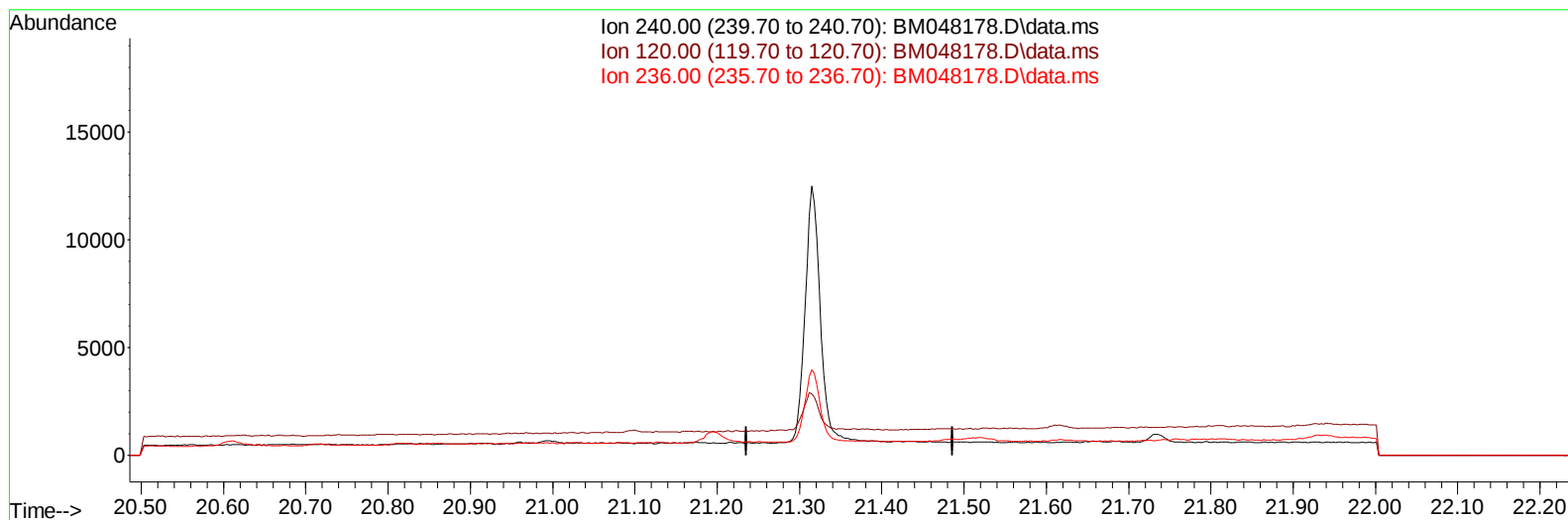
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048178.D
Acq On : 22 Oct 2024 05:41
Operator : RC/JU
Sample : P4380-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27H9

Manual IntegrationsAPPROVED

Quant Time: Oct 22 06:17:54 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
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TIC: BM048178.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

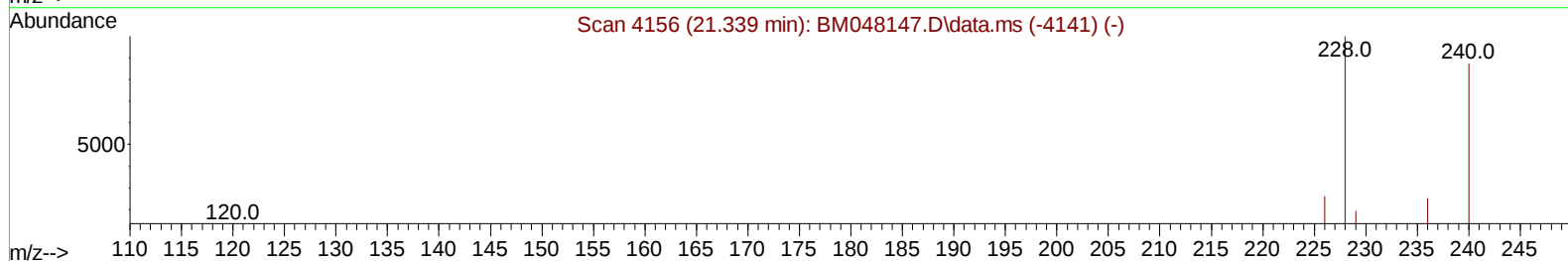
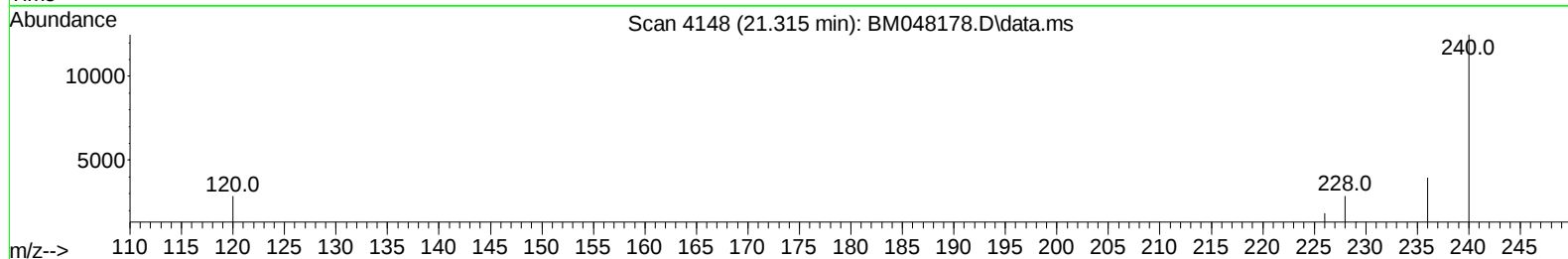
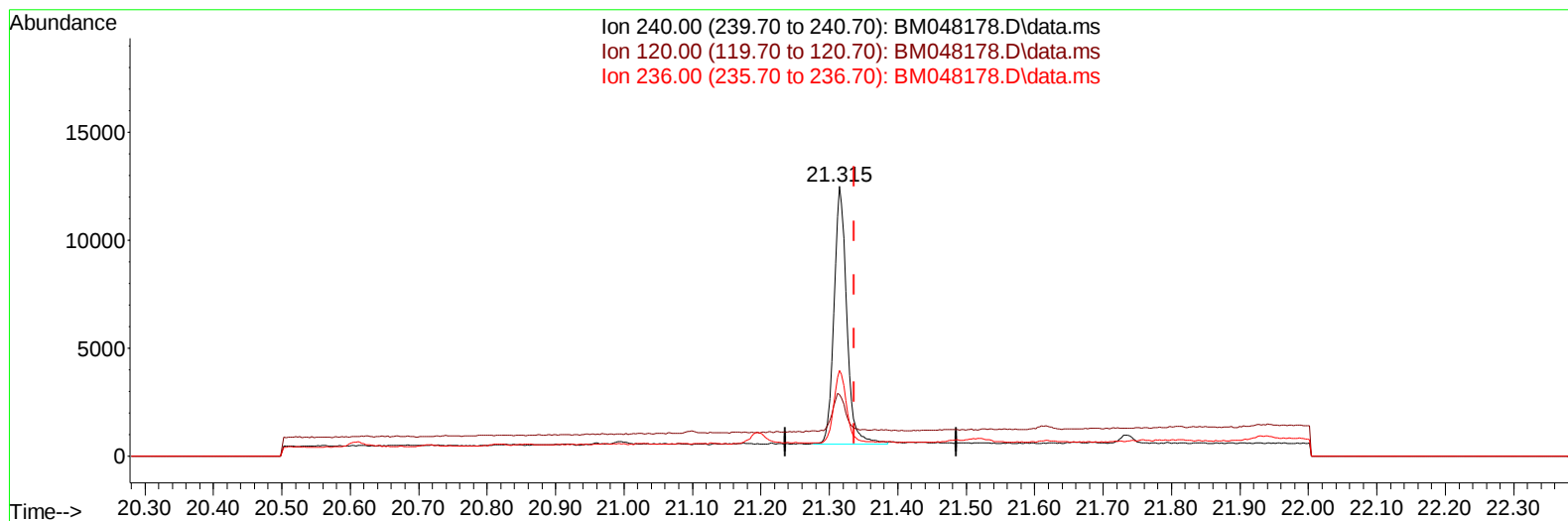
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048178.D
Acq On : 22 Oct 2024 05:41
Operator : RC/JU
Sample : P4380-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27H9

Manual IntegrationsAPPROVED

Quant Time: Oct 22 06:17:54 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: BM048178.D\data.ms

(17) Chrysene-d12

21.315min (-0.021) 0.40 ng/ul m

response 15366

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	22.80	22.80
236.00	30.60	31.80
0.00	0.00	0.00

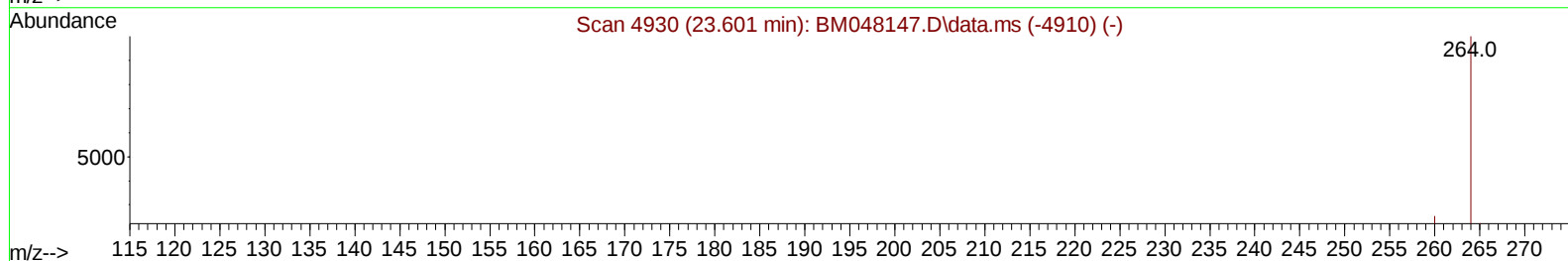
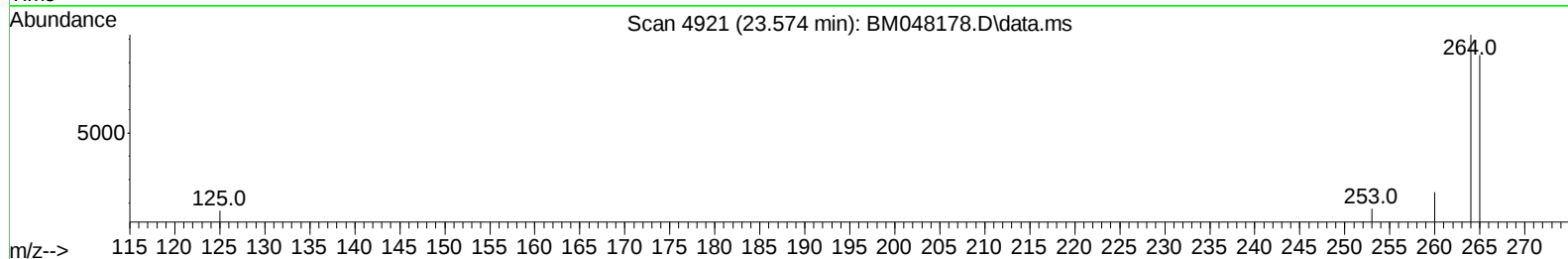
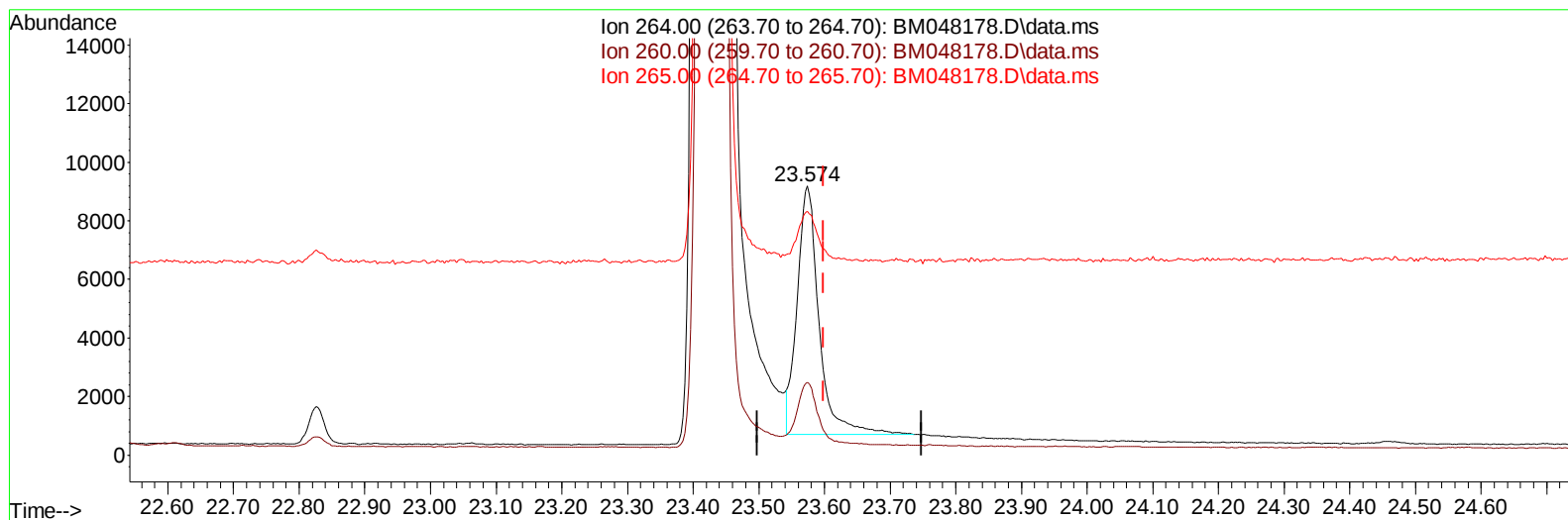
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048178.D
Acq On : 22 Oct 2024 05:41
Operator : RC/JU
Sample : P4380-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27H9

Manual IntegrationsAPPROVED

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

Quant Time: Oct 22 06:17:54 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: BM048178.D\data.ms

(23) Perylene-d12 (I)

23.574min (-0.024) 0.40 ng/u1

response 19569

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.80	26.95
265.00	128.10	90.71#
0.00	0.00	0.00

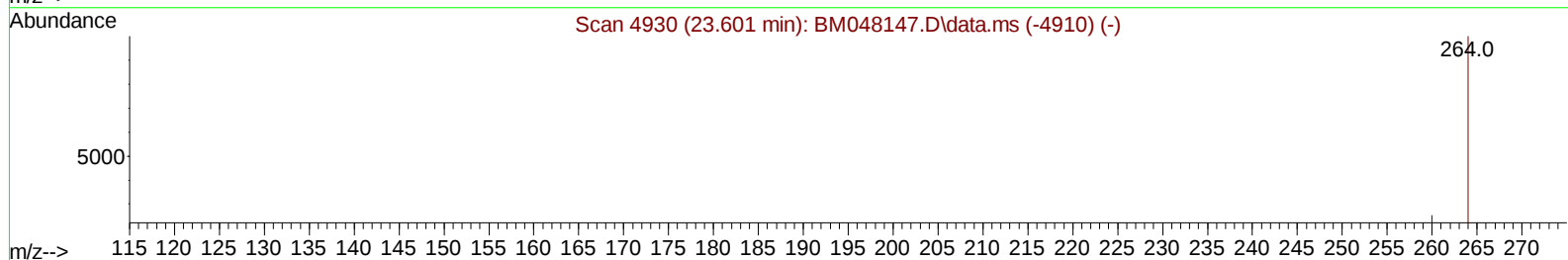
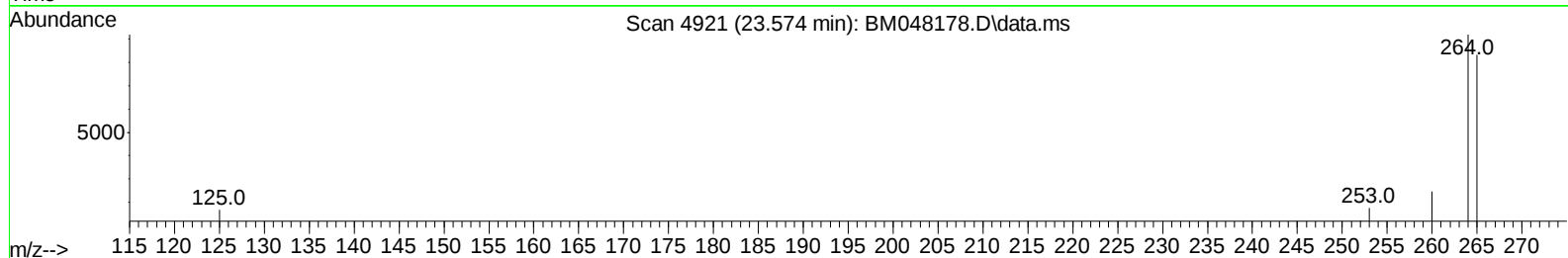
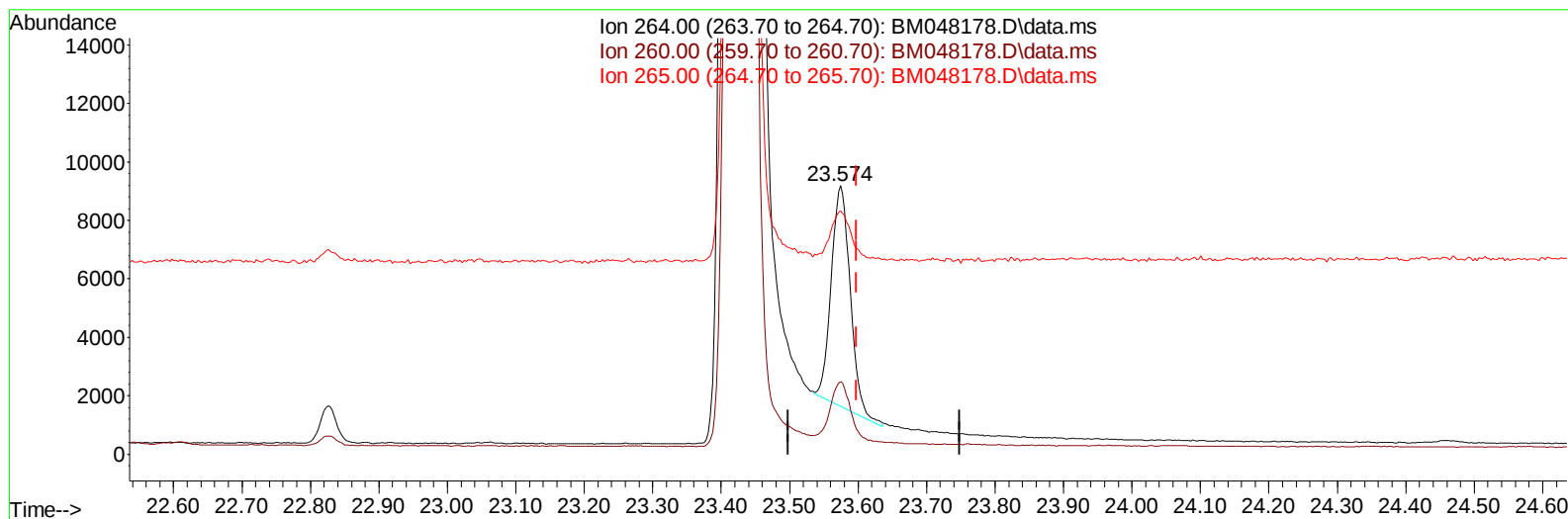
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048178.D
Acq On : 22 Oct 2024 05:41
Operator : RC/JU
Sample : P4380-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27H9

Manual IntegrationsAPPROVED

Quant Time: Oct 22 06:17:54 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: BM048178.D\data.ms

(23) Perylene-d12 (I)

23.574min (-0.024) 0.40 ng/ul m

response 14477

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.80	26.95
265.00	128.10	90.71#
0.00	0.00	0.00

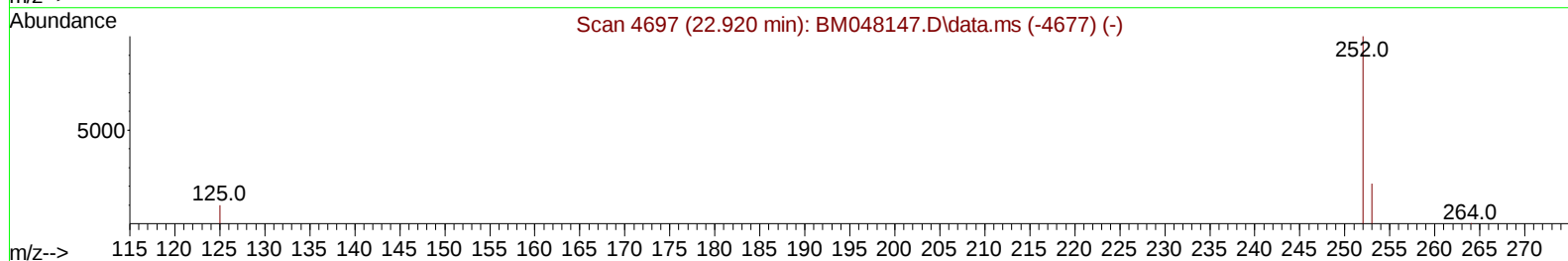
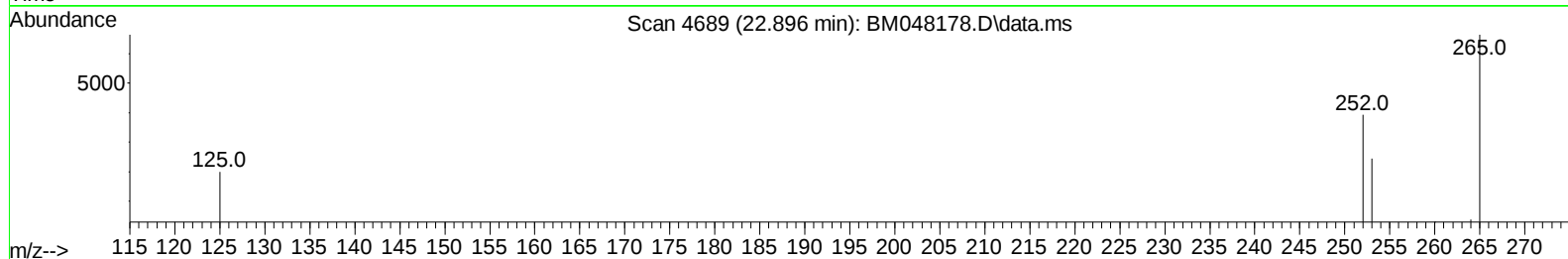
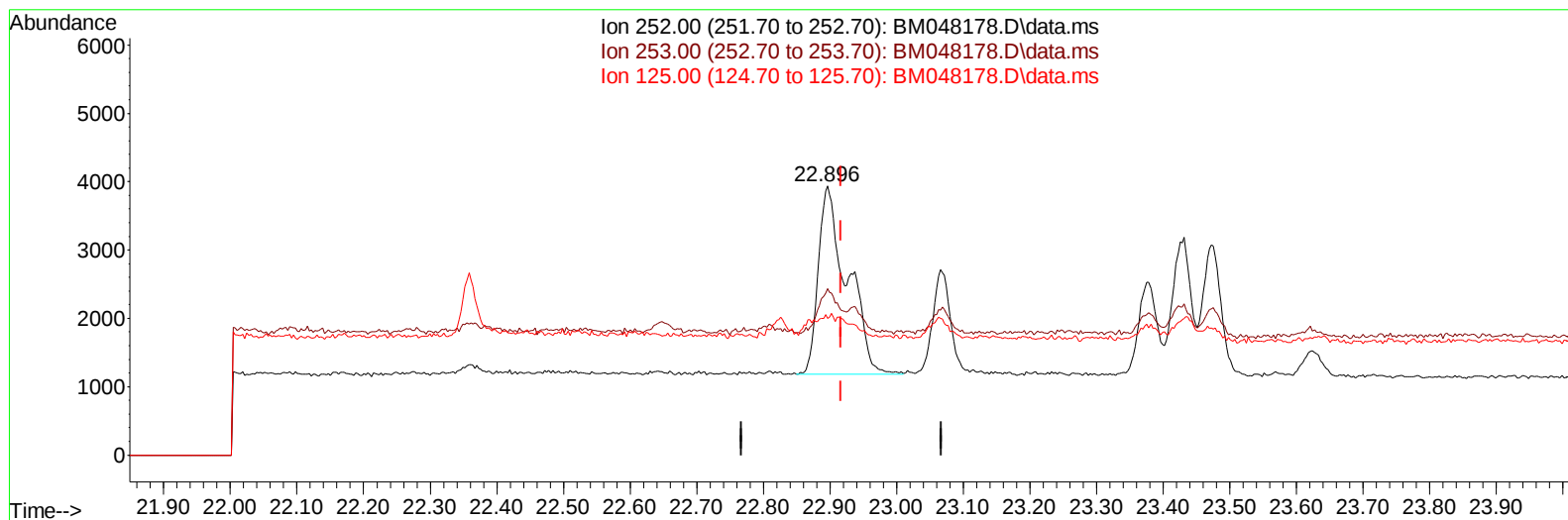
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048178.D
Acq On : 22 Oct 2024 05:41
Operator : RC/JU
Sample : P4380-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27H9

Manual IntegrationsAPPROVED

Quant Time: Oct 22 06:17:54 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: BM048178.D\data.ms

(24) Benzo(b)fluoranthene

22.896min (-0.021) 0.15 ng/u1

response 8293

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.80	61.98#
125.00	21.40	50.93#
0.00	0.00	0.00

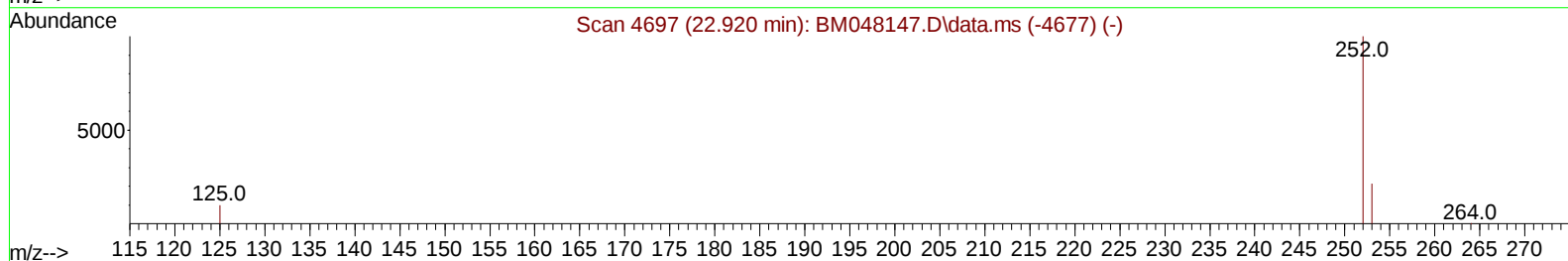
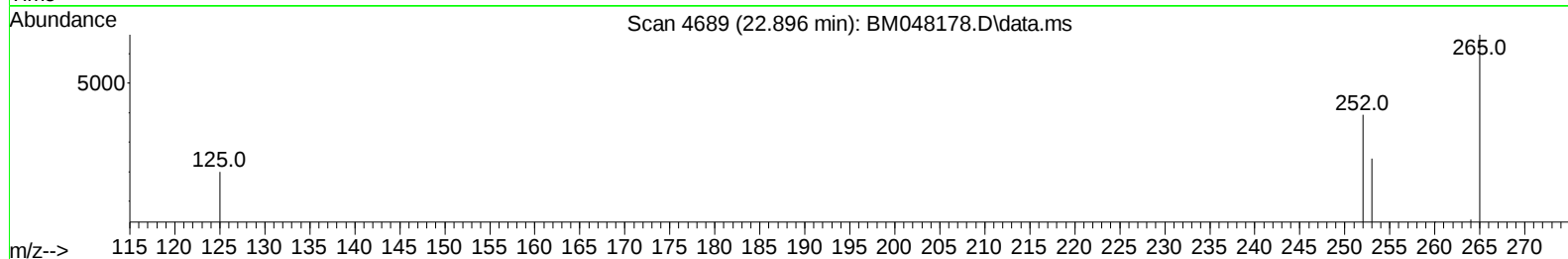
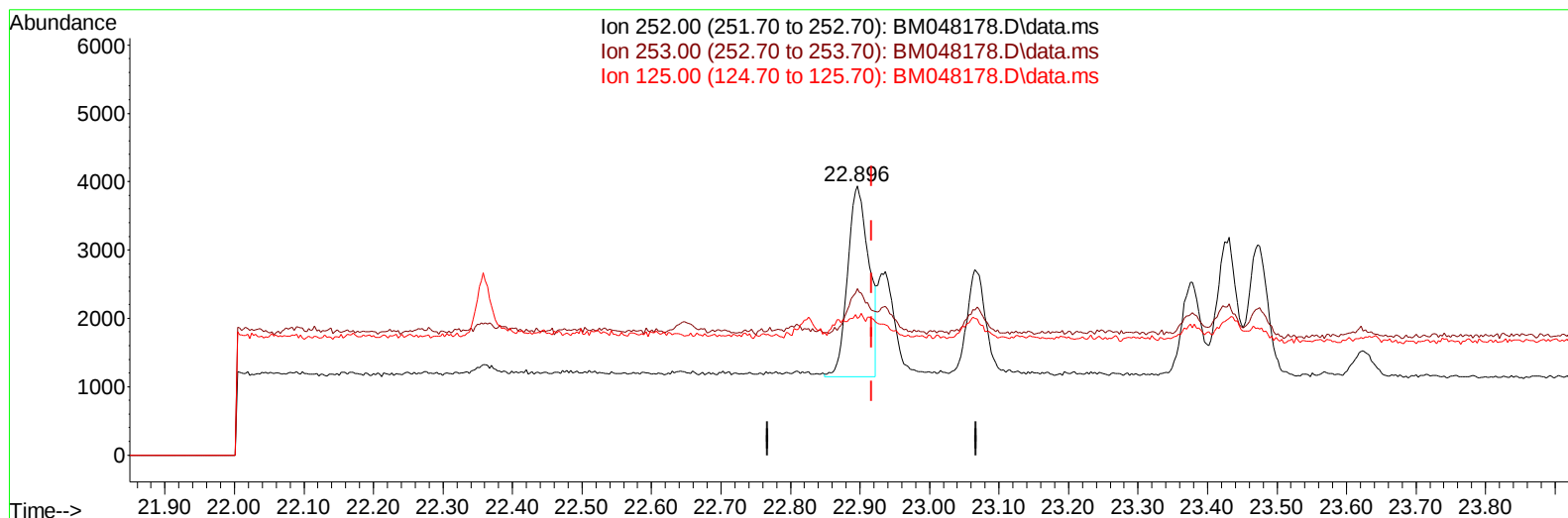
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048178.D
Acq On : 22 Oct 2024 05:41
Operator : RC/JU
Sample : P4380-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27H9

Manual IntegrationsAPPROVED

Quant Time: Oct 22 06:17:54 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: BM048178.D\data.ms

(24) Benzo(b)fluoranthene

22.896min (-0.021) 0.11 ng/u1 m

response 5932

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.80	61.98#
125.00	21.40	50.93#
0.00	0.00	0.00

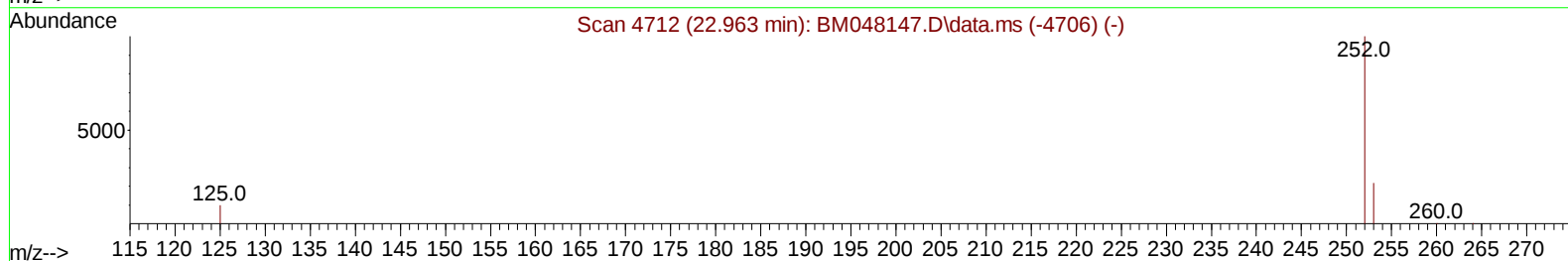
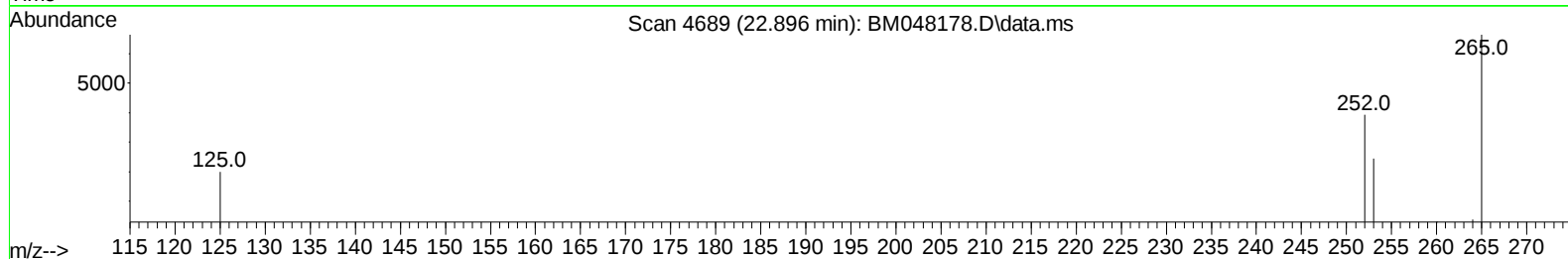
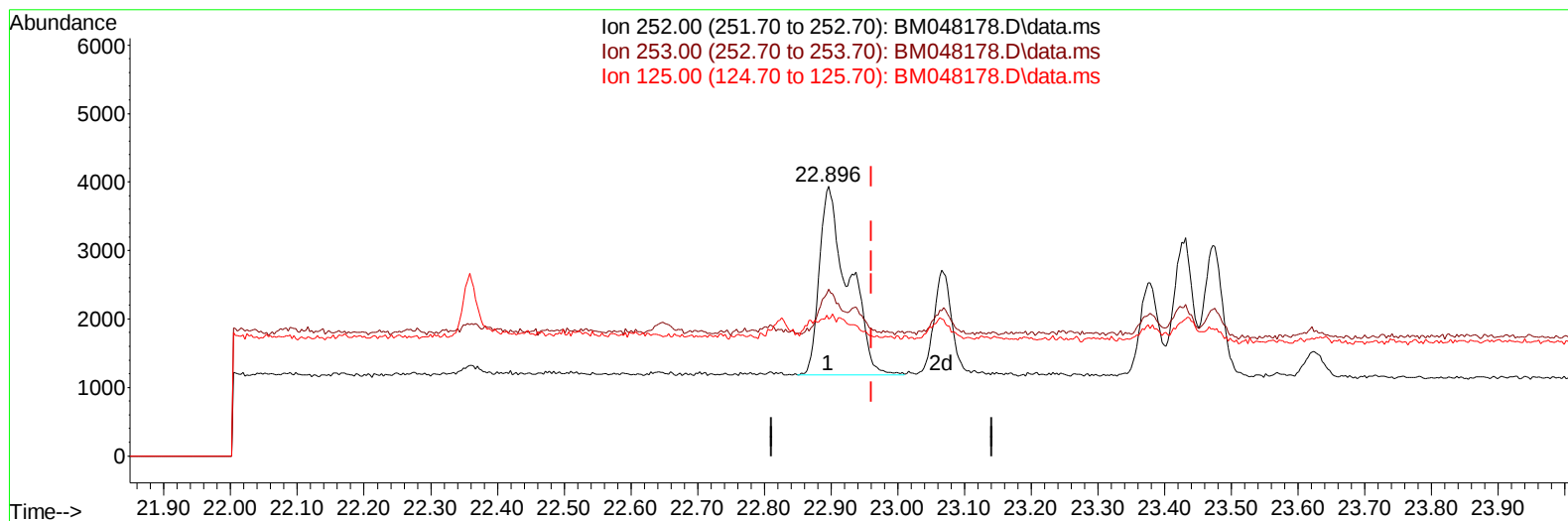
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048178.D
Acq On : 22 Oct 2024 05:41
Operator : RC/JU
Sample : P4380-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27H9

Manual IntegrationsAPPROVED

Quant Time: Oct 22 06:17:54 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: BM048178.D\data.ms

(25) Benzo(k)fluoranthene

22.896min (-0.065) 0.12 ng/u1

response 8293

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.50	61.98#
125.00	21.00	50.93#
0.00	0.00	0.00

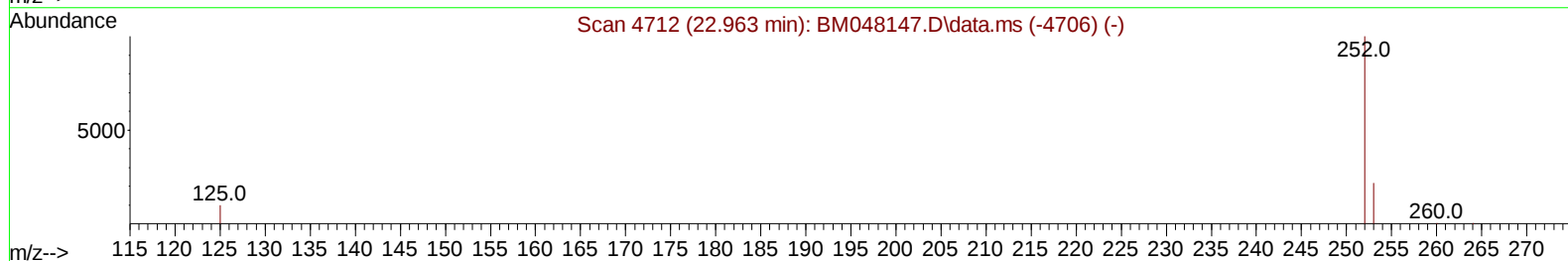
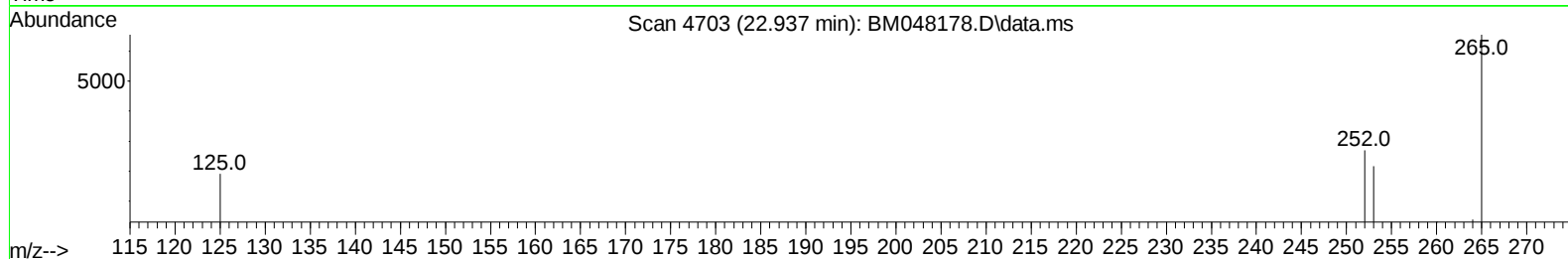
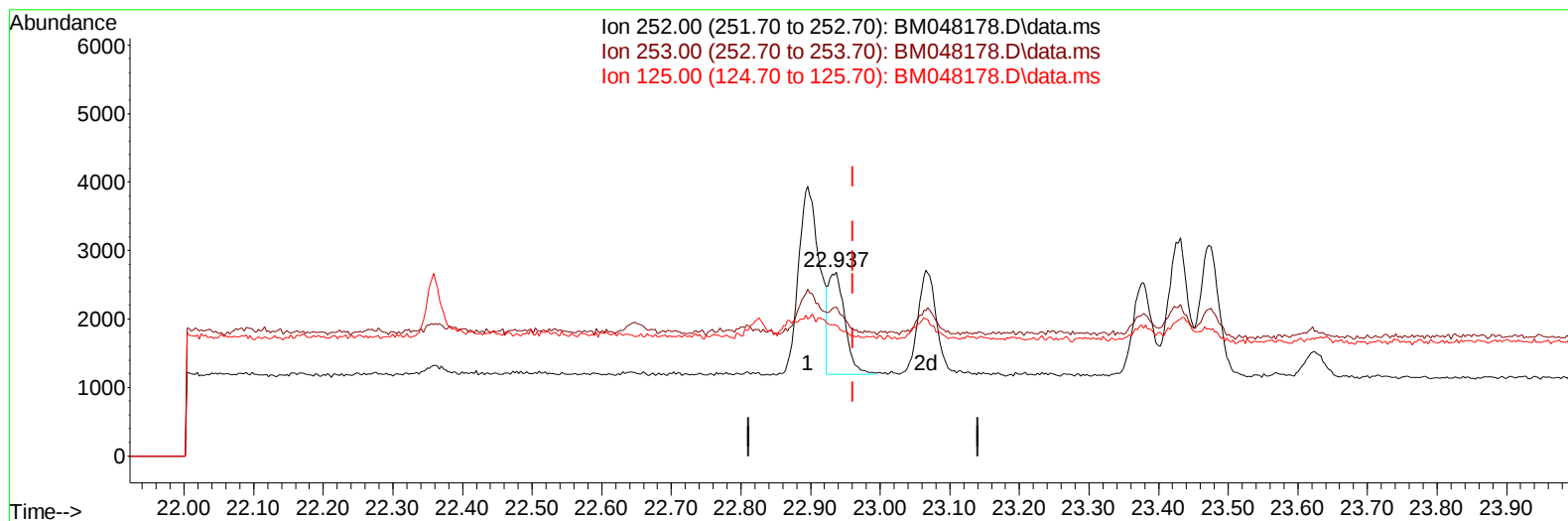
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048178.D
Acq On : 22 Oct 2024 05:41
Operator : RC/JU
Sample : P4380-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27H9

Manual IntegrationsAPPROVED

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

Quant Time: Oct 22 06:17:54 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: BM048178.D\data.ms

(25) Benzo(k)fluoranthene

22.937min (-0.024) 0.04 ng/u1 m

response 2429

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.50	80.84#
125.00	21.00	70.98#
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	7.767	152	5975	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.557	136	19085	0.400	ng/ul	-0.03
9) Acenaphthene-d10	14.400	164	10343	0.400	ng/ul	-0.02
13) Phenanthrene-d10	17.141	188	20345m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.315	240	15366m	0.400	ng/ul	-0.02
23) Perylene-d12	23.574	264	14477m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.235	96	27841	3.428	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.146	152	7511	0.282	ng/ul	-0.05
18) Fluoranthene-d10	19.169	212	16839	0.377	ng/ul	-0.02
Target Compounds						
						Qvalue
5) Naphthalene	10.606	128	8361511	161.208	ng/ul	97
7) 2-Methylnaphthalene	12.218	142	231061	7.786	ng/ul	98
8) 1-Methylnaphthalene	12.438	142	145605	4.263	ng/ul	99
10) Acenaphthylene	14.118	152	50385	1.055	ng/ul	99
11) Acenaphthene	14.460	153	629193	18.427	ng/ul	98
12) Fluorene	15.450	166	249780	6.829	ng/ul	97
15) Phenanthrene	17.183	178	305512m	5.942	ng/ul	
16) Anthracene	17.272	178	81927m	1.684	ng/ul	
19) Fluoranthene	19.197	202	213741	3.544	ng/ul	97
20) Pyrene	19.560	202	131195	2.023	ng/ul	97
21) Benzo(a)anthracene	21.300	228	11460	0.242	ng/ul#	85
22) Chrysene	21.350	228	7282	0.101	ng/ul#	79
24) Benzo(b)fluoranthene	22.896	252	5932m	0.107	ng/ul	
25) Benzo(k)fluoranthene	22.937	252	2429m	0.036	ng/ul	
26) Benzo(a)pyrene	23.472	252	3574	0.077	ng/ul#	44
27) Indeno(1,2,3-cd)pyrene	25.876	276	2997	0.043	ng/ul#	98
29) Benzo(g,h,i)perylene	26.577	276	2945	0.051	ng/ul#	52

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

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