

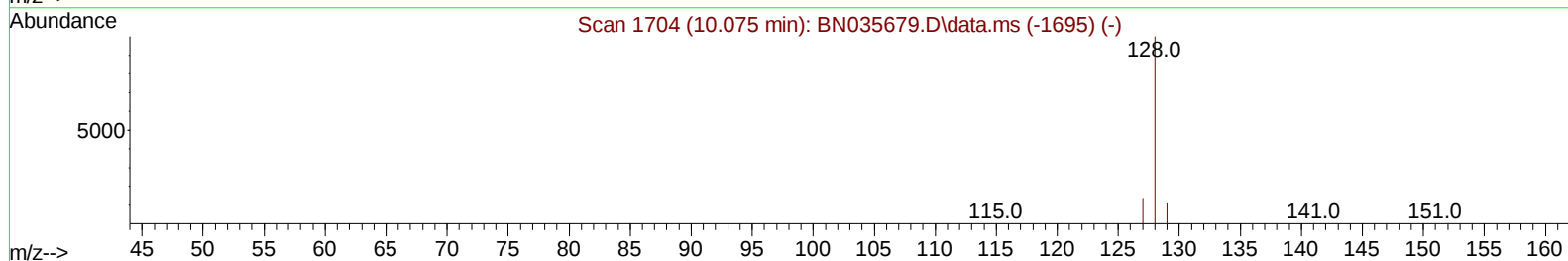
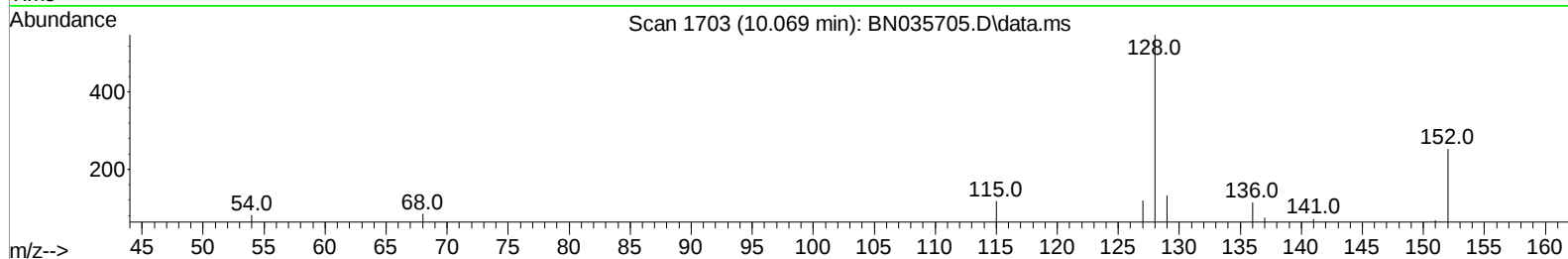
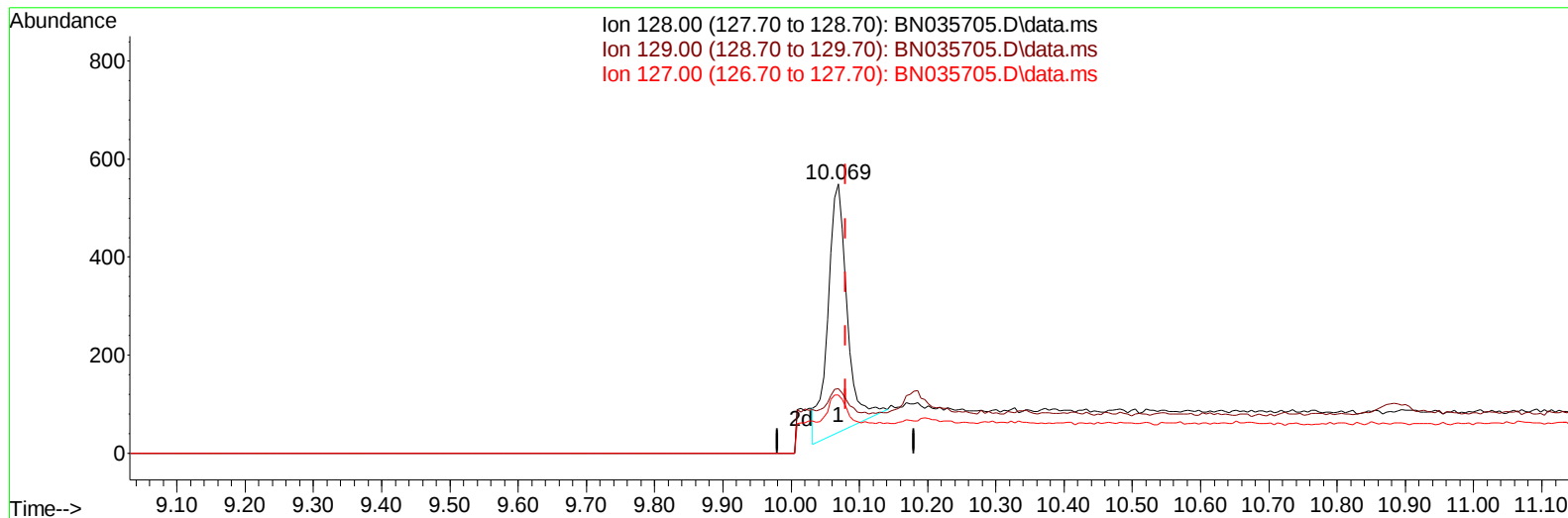
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035705.D
Acq On : 19 Dec 2024 14:29
Operator : RC/JU
Sample : P5258-09DL 5X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X3DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 16:07:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035705.D\data.ms

(5) Naphthalene

10.069min (-0.011) 0.04 ng/u1

response 999

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	24.04#
127.00	15.00	21.68#
0.00	0.00	0.00

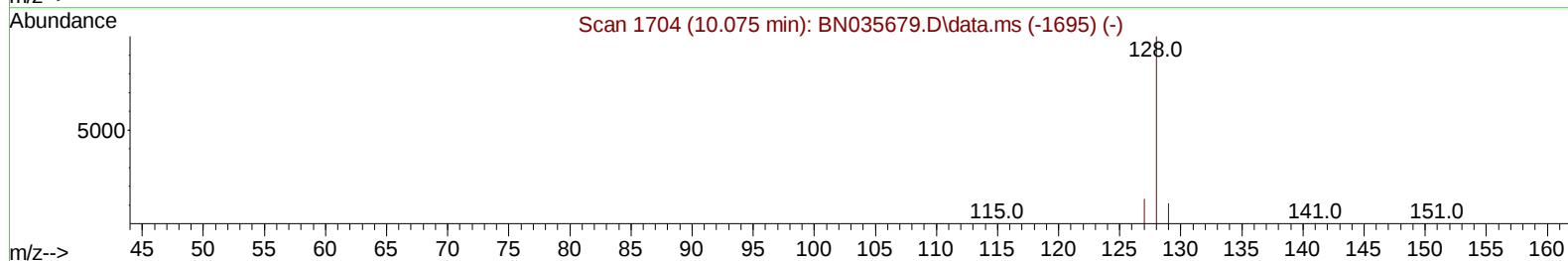
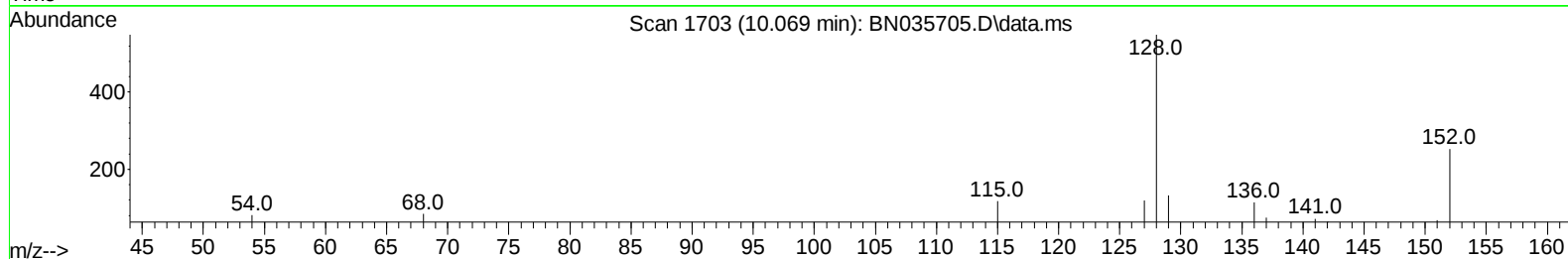
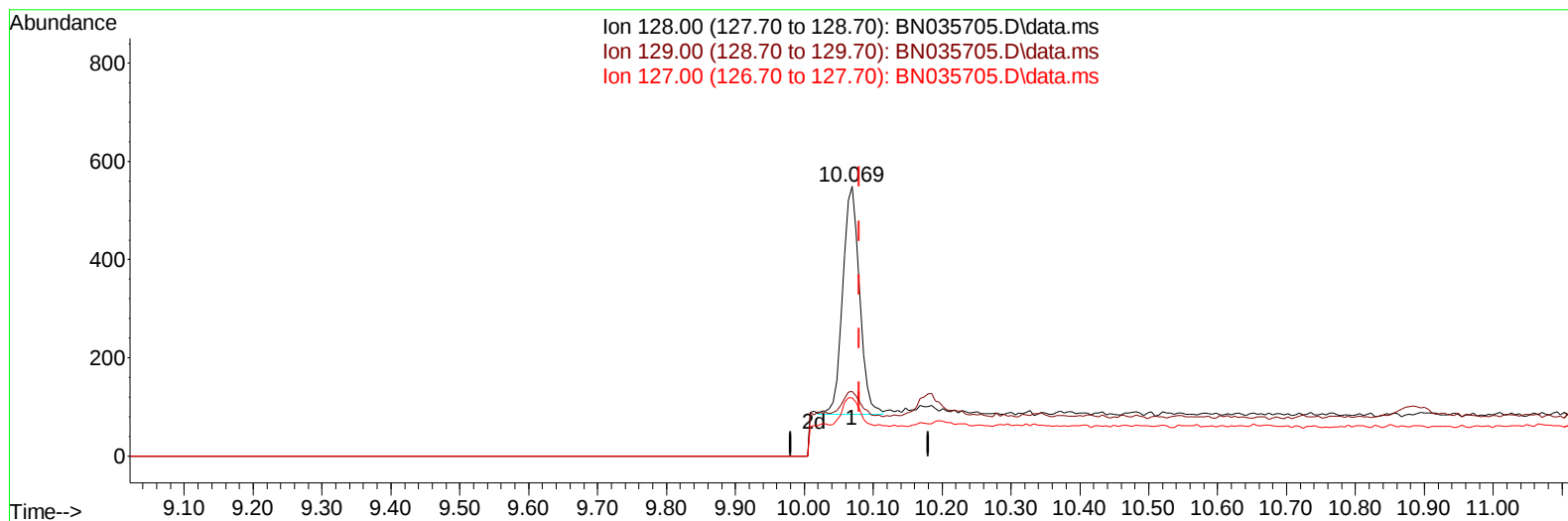
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035705.D
Acq On : 19 Dec 2024 14:29
Operator : RC/JU
Sample : P5258-09DL 5X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X3DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 16:07:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035705.D\data.ms

(5) Naphthalene

10.069min (-0.011) 0.03 ng/ul m

response 784

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	24.04#
127.00	15.00	21.68#
0.00	0.00	0.00

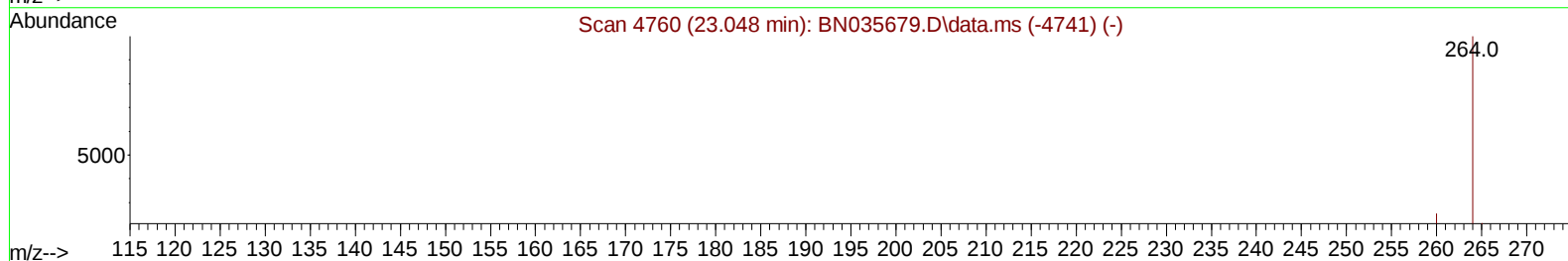
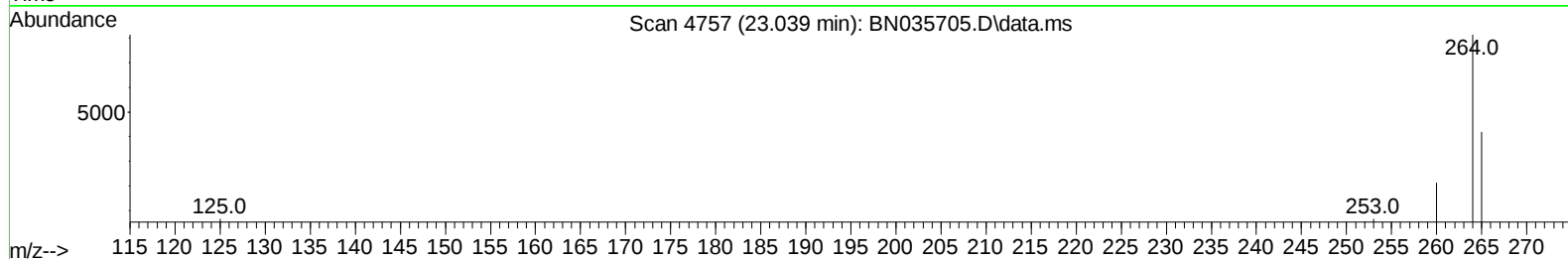
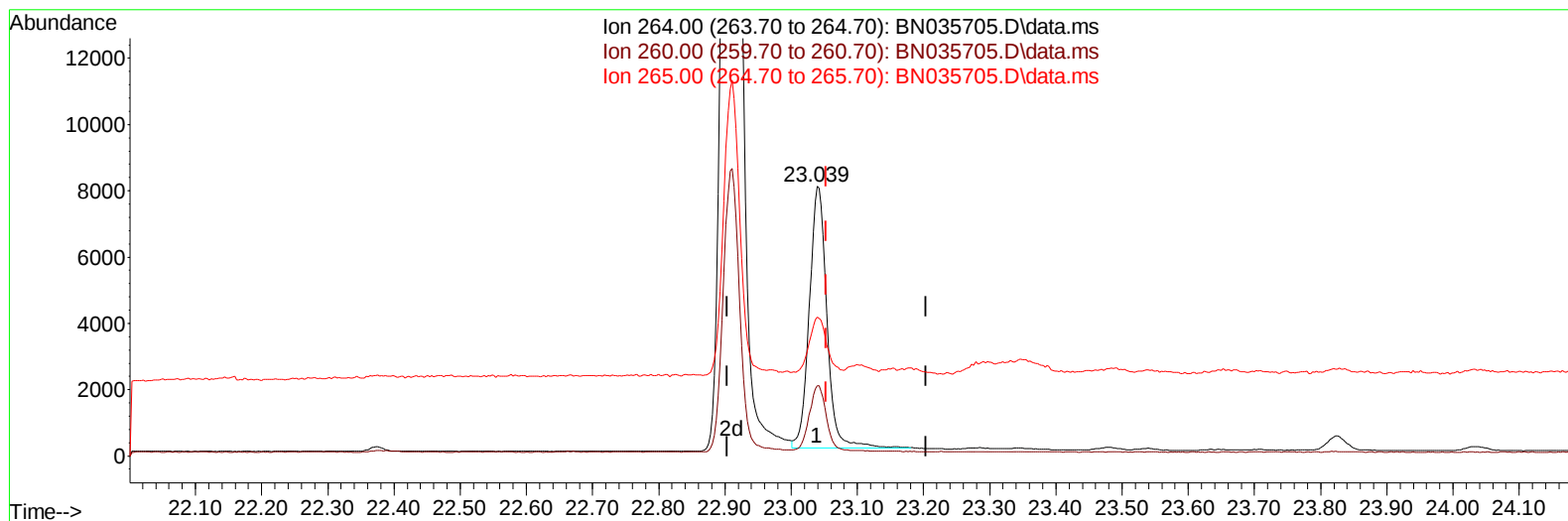
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035705.D
Acq On : 19 Dec 2024 14:29
Operator : RC/JU
Sample : P5258-09DL 5X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X3DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 16:07:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035705.D\data.ms

(23) Perylene-d12 (I)

23.039min (-0.014) 0.40 ng/u1

response 14430

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	26.04
265.00	62.10	51.53
0.00	0.00	0.00

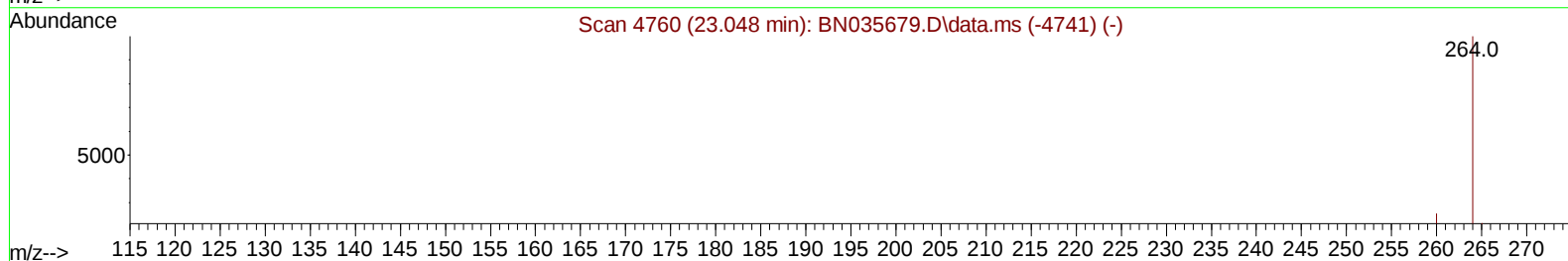
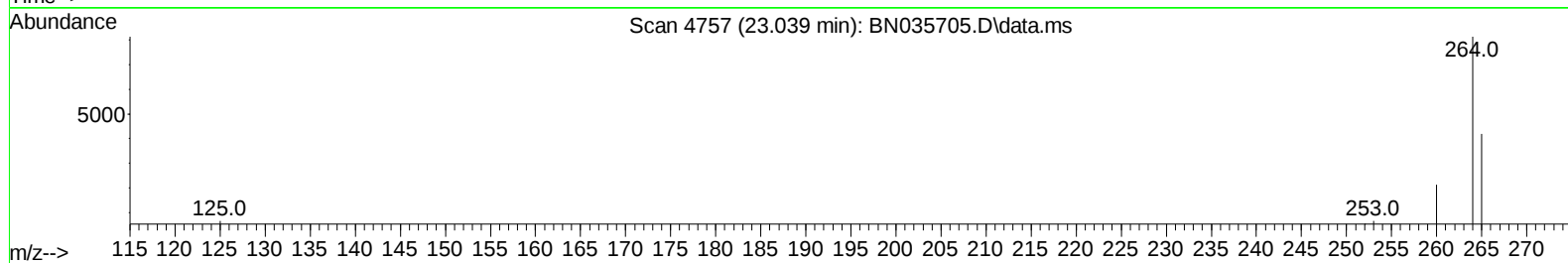
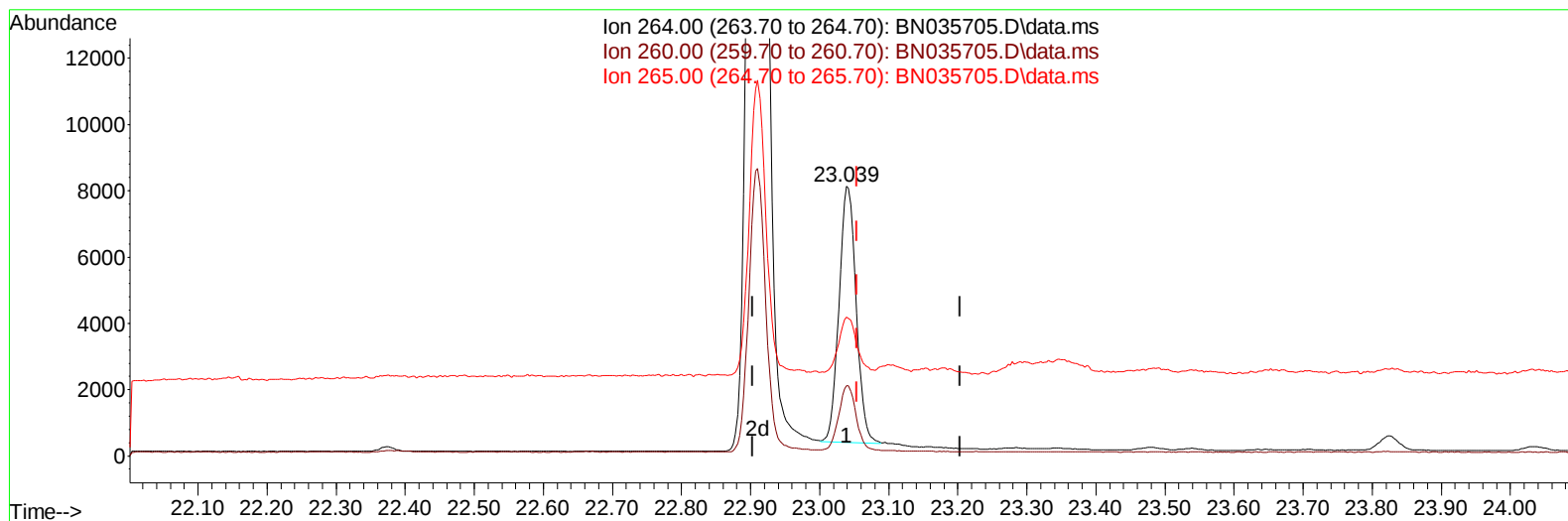
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035705.D
Acq On : 19 Dec 2024 14:29
Operator : RC/JU
Sample : P5258-09DL 5X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X3DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 16:07:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035705.D\data.ms

(23) Perylene-d12 (I)

23.039min (-0.014) 0.40 ng/ul m

response 13279

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	26.04
265.00	62.10	51.53
0.00	0.00	0.00

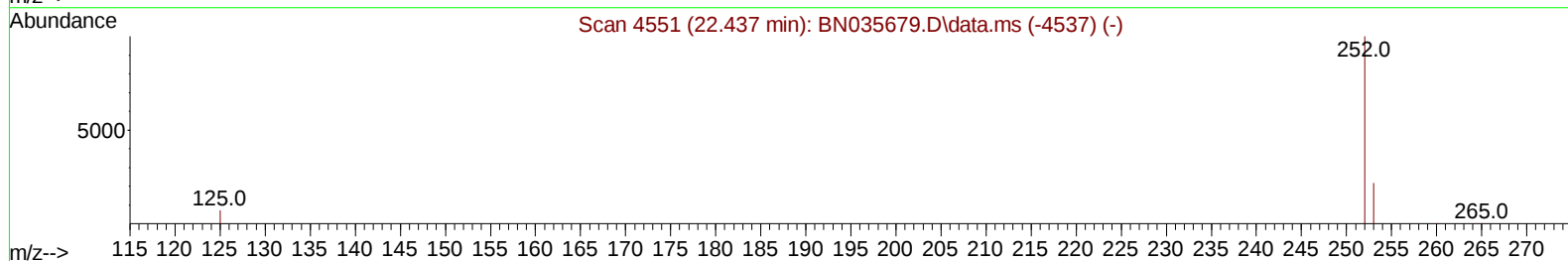
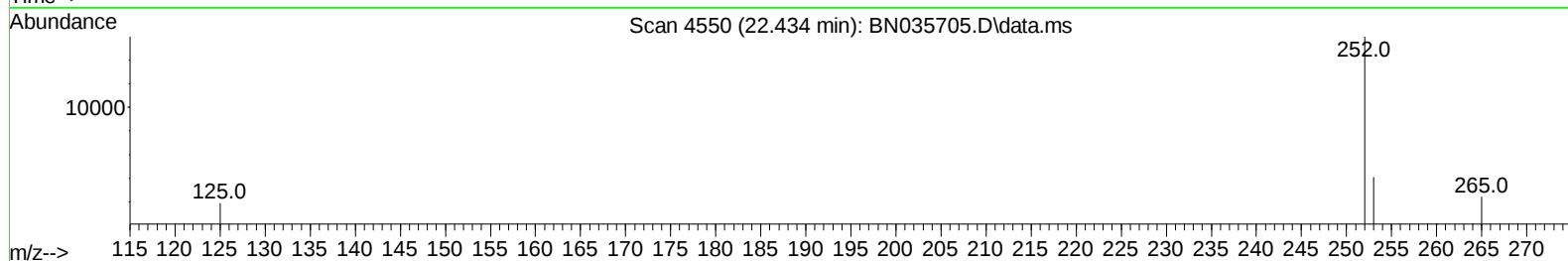
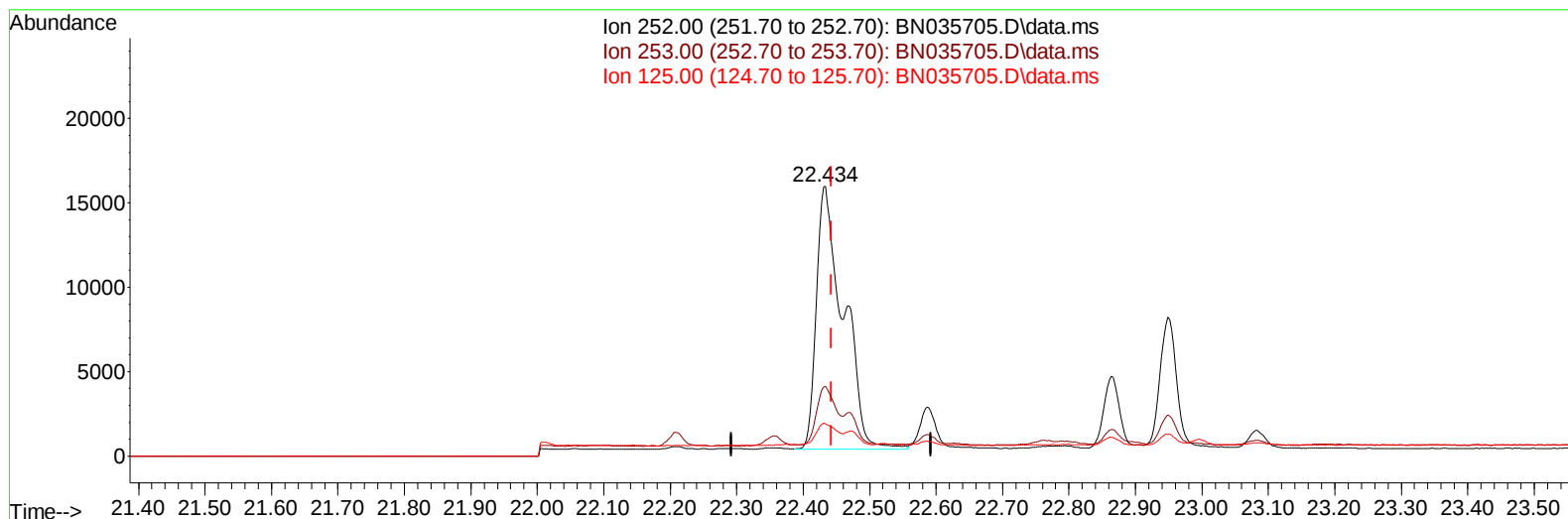
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035705.D
Acq On : 19 Dec 2024 14:29
Operator : RC/JU
Sample : P5258-09DL 5X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X3DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 16:07:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035705.D\data.ms

(24) Benzo(b)fluoranthene

22.434min (-0.009) 1.12 ng/u1

response 43955

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	25.74
125.00	18.80	11.94
0.00	0.00	0.00

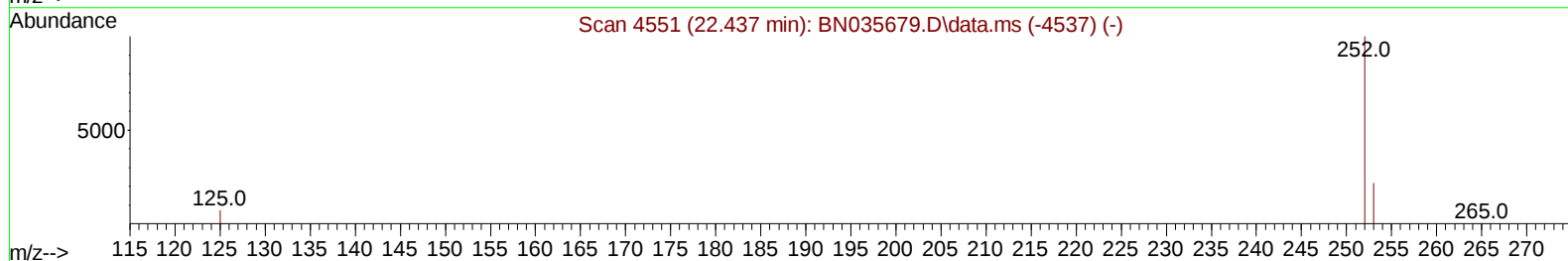
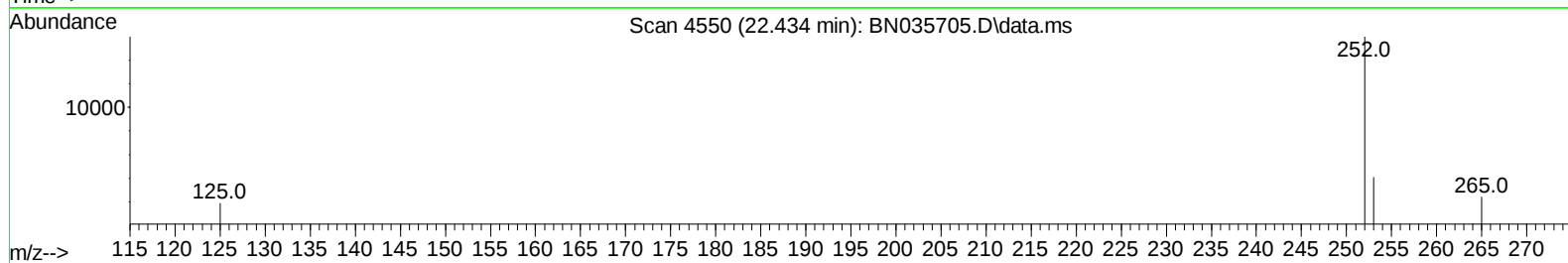
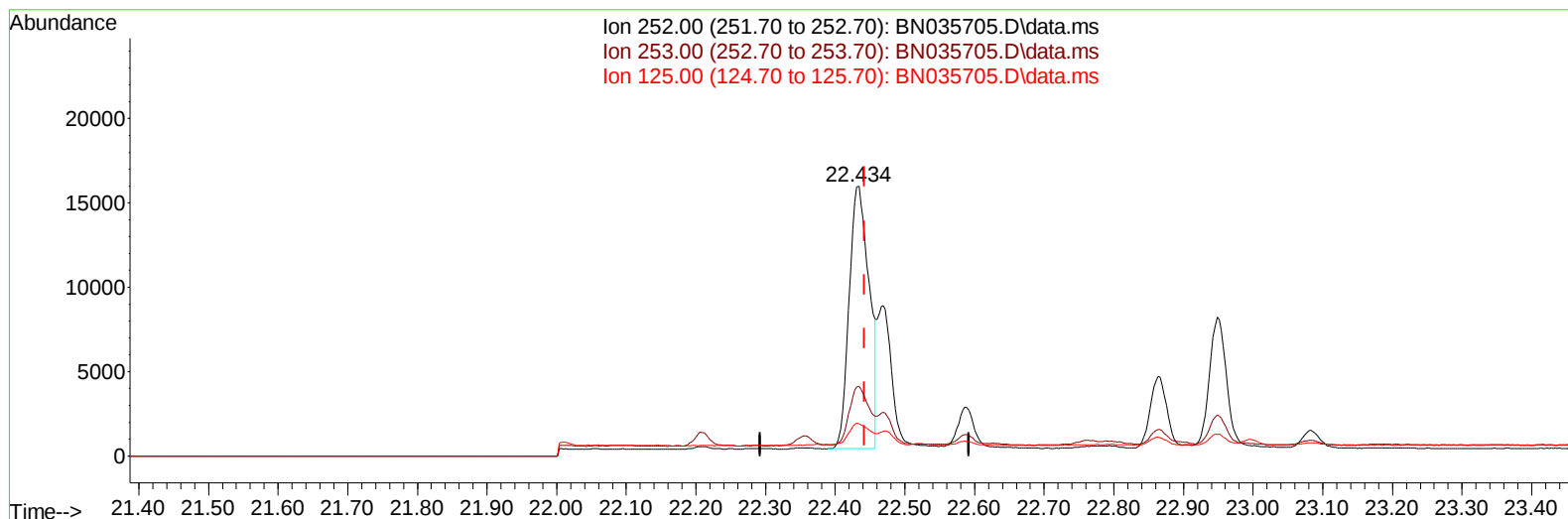
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 Acq On : 19 Dec 2024 14:29
 Operator : RC/JU
 Sample : P5258-09DL 5X
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28X3DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 16:07:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:26:08 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/21/2024
 Supervised By :mohammad ahmed 12/24/2024



TIC: BN035705.D\data.ms

(24) Benzo(b)fluoranthene

22.434min (-0.009) 0.79 ng/u1 m

response 31074

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	25.74
125.00	18.80	11.94
0.00	0.00	0.00

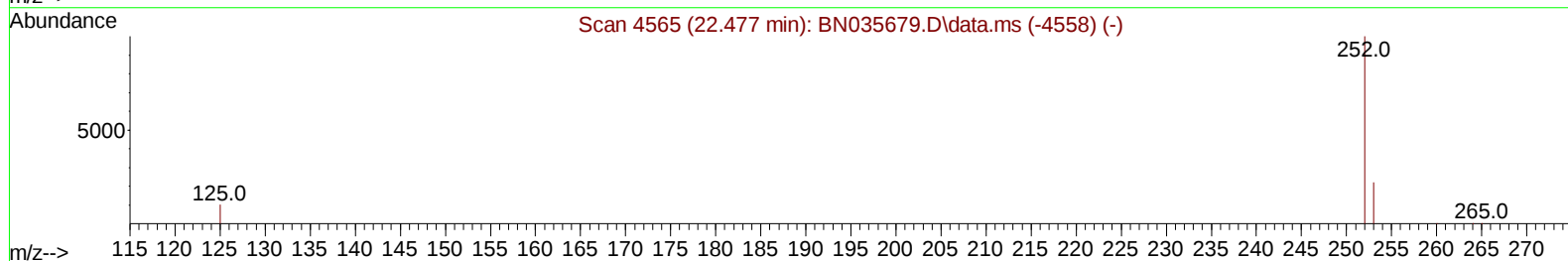
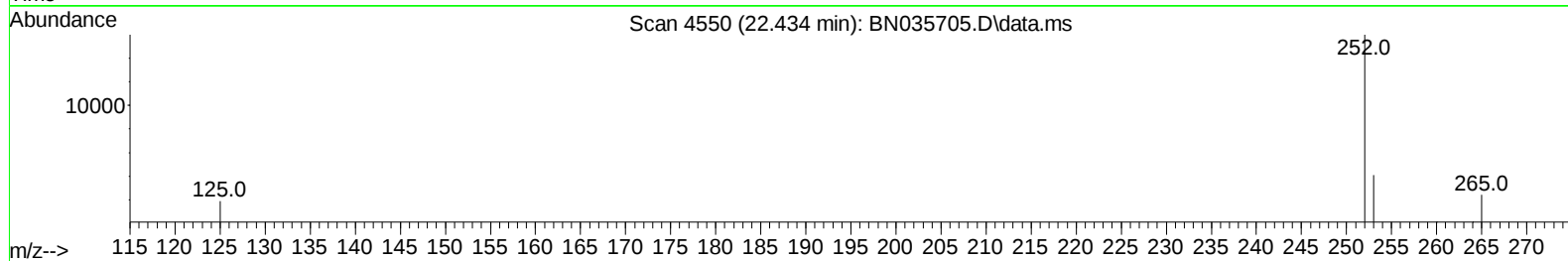
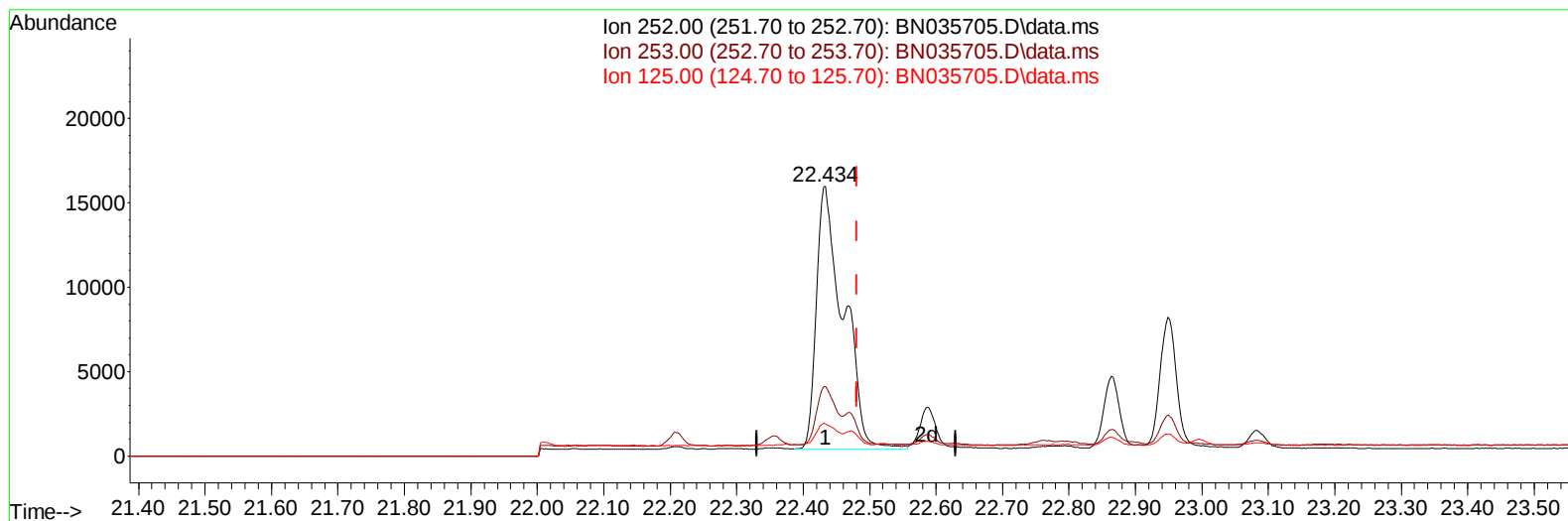
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Data File : BN035705.D
Acq On : 19 Dec 2024 14:29
Operator : RC/JU
Sample : P5258-09DL 5X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X3DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 16:07:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035705.D\data.ms

(25) Benzo(k)fluoranthene

22.434min (-0.047) 1.02 ng/u1

response 43955

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	25.74
125.00	19.10	11.94#
0.00	0.00	0.00

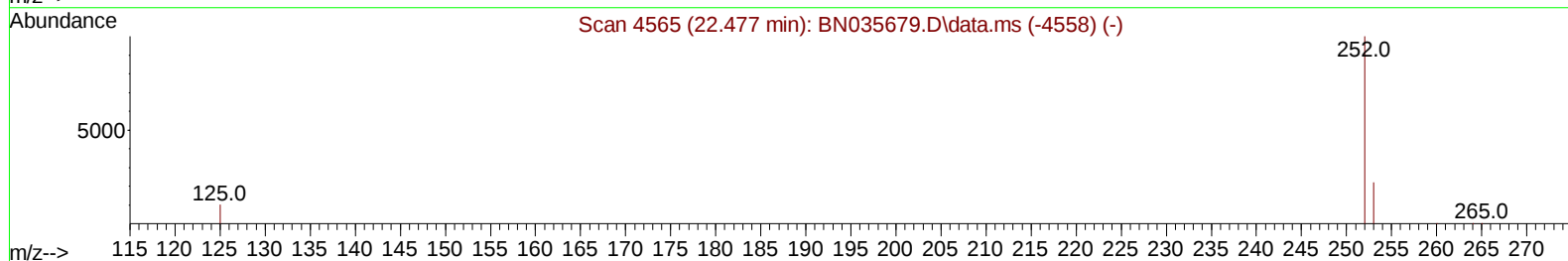
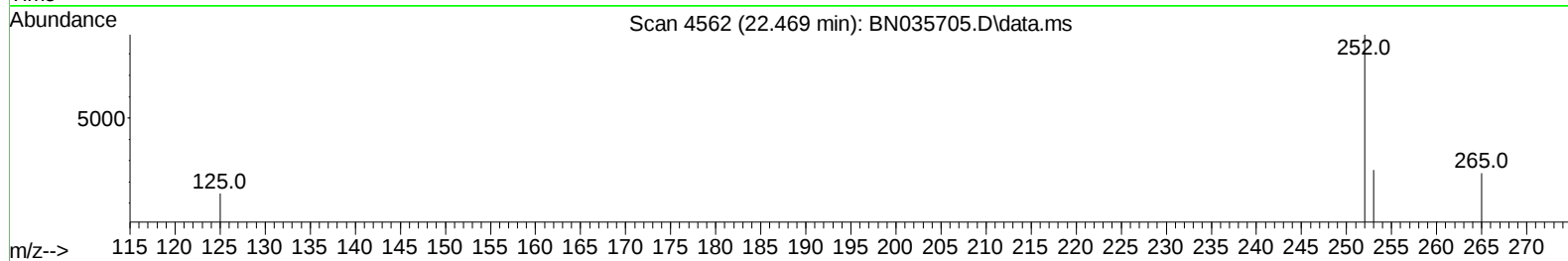
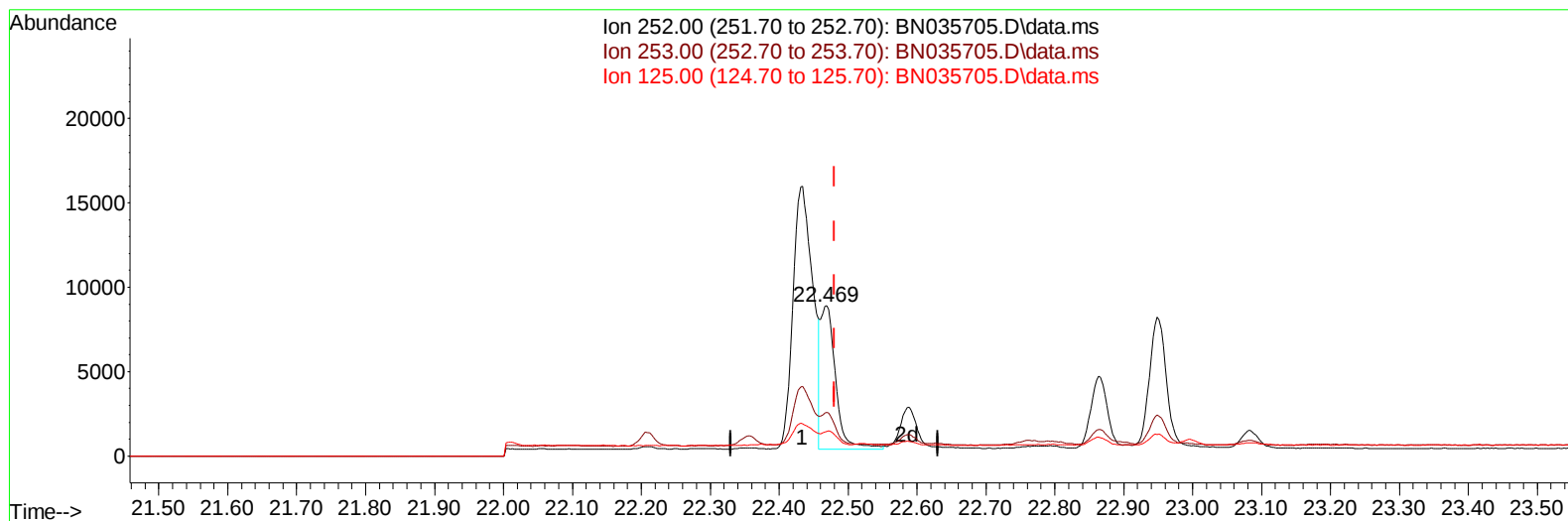
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Data File : BN035705.D
Acq On : 19 Dec 2024 14:29
Operator : RC/JU
Sample : P5258-09DL 5X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X3DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 16:07:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035705.D\data.ms

(25) Benzo(k)fluoranthene

22.469min (-0.012) 0.30 ng/u1 m

response 12902

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	28.88
125.00	19.10	16.46
0.00	0.00	0.00

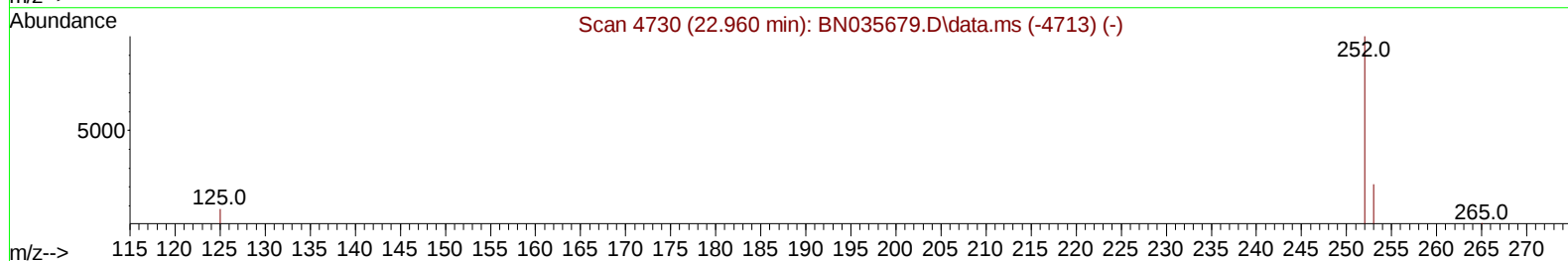
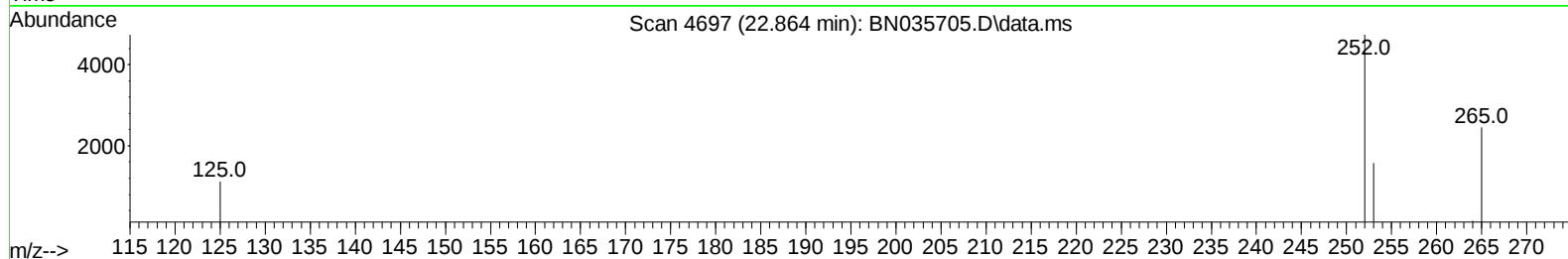
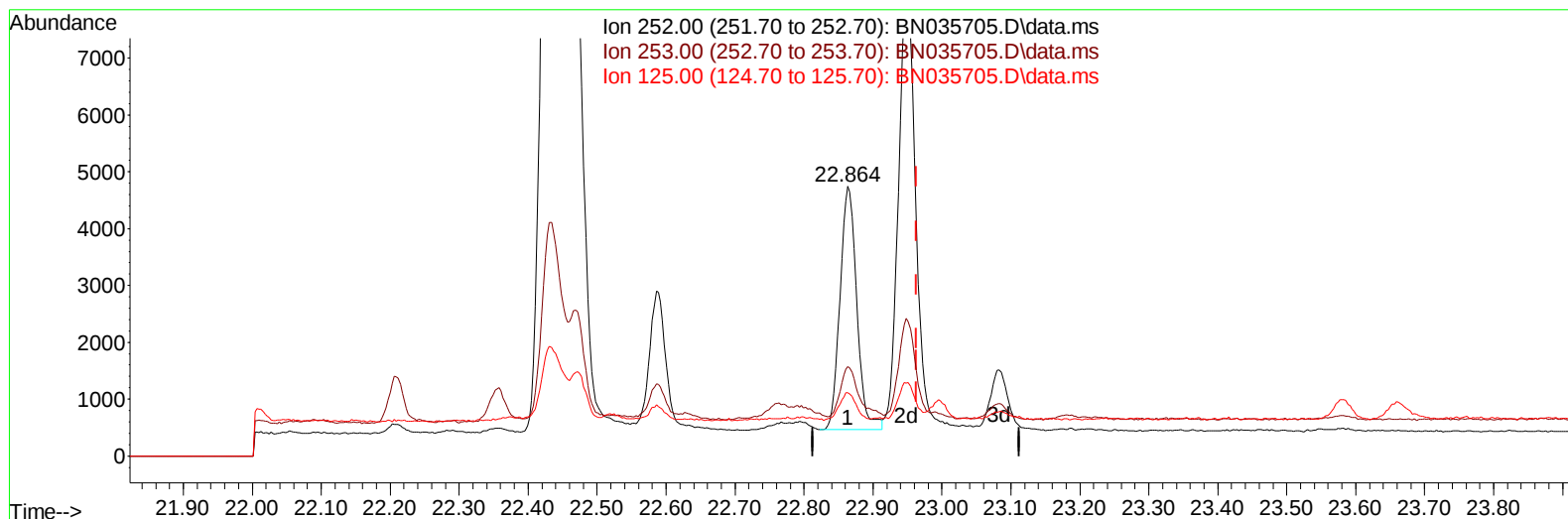
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035705.D
Acq On : 19 Dec 2024 14:29
Operator : RC/JU
Sample : P5258-09DL 5X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X3DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 16:07:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
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Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035705.D\data.ms

(26) Benzo(a)pyrene (C)

22.864min (-0.099) 0.19 ng/u1

response 7252

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.10	33.13
125.00	23.90	23.49
0.00	0.00	0.00

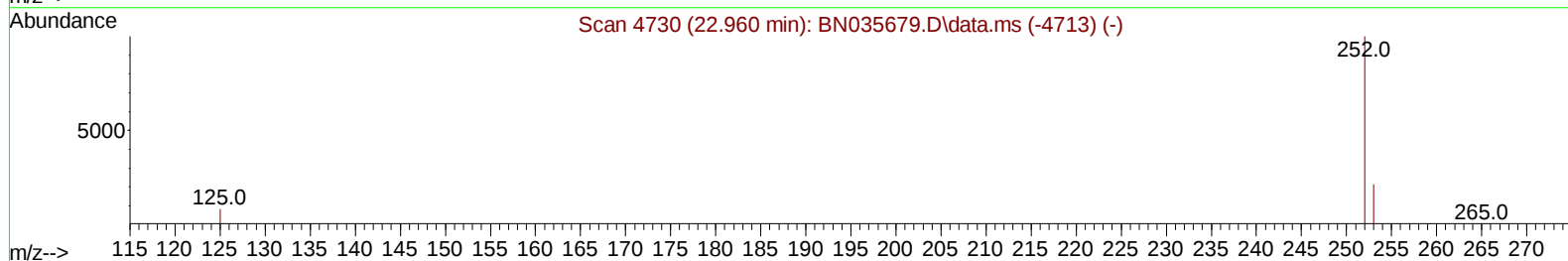
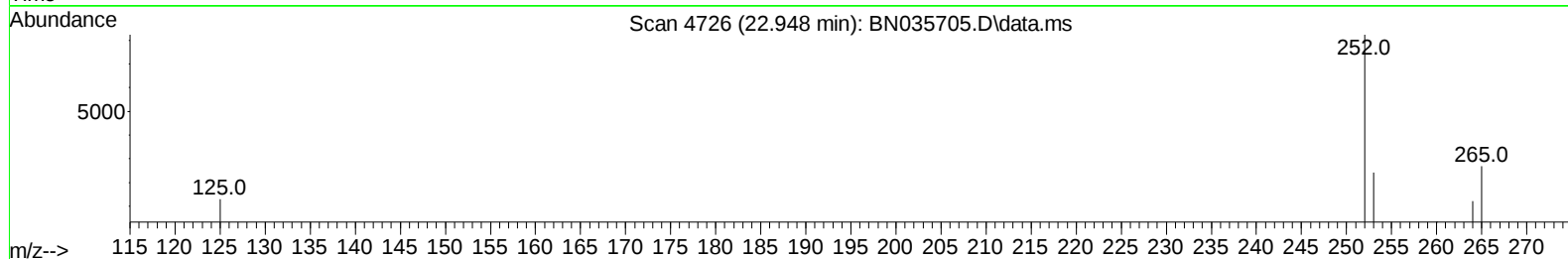
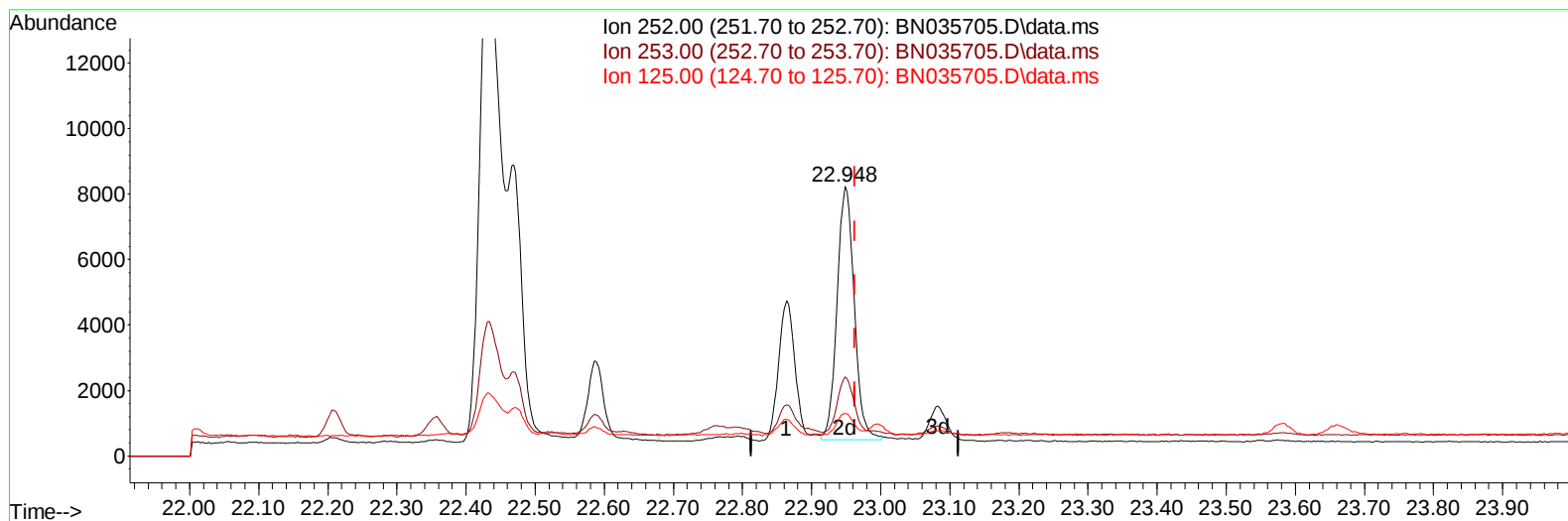
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035705.D
Acq On : 19 Dec 2024 14:29
Operator : RC/JU
Sample : P5258-09DL 5X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X3DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 16:07:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035705.D\data.ms

(26) Benzo(a)pyrene (C)

22.948min (-0.014) 0.35 ng/u1 m

response 13312

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.10	29.38
125.00	23.90	15.60#
0.00	0.00	0.00

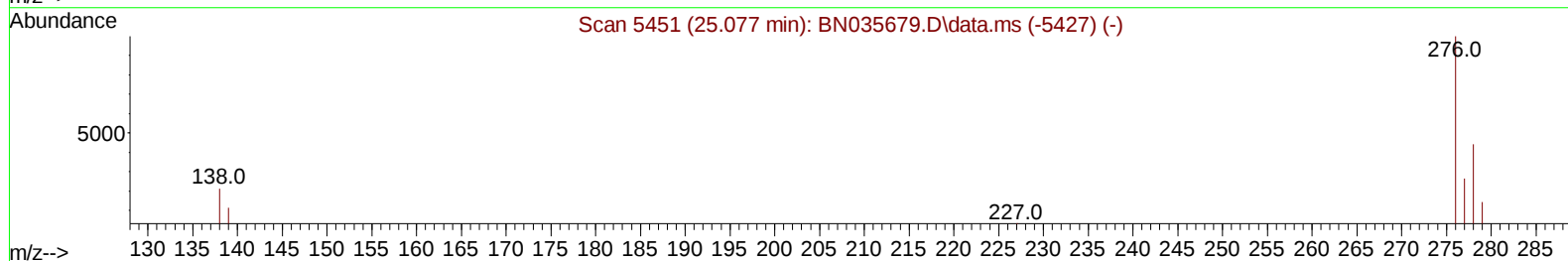
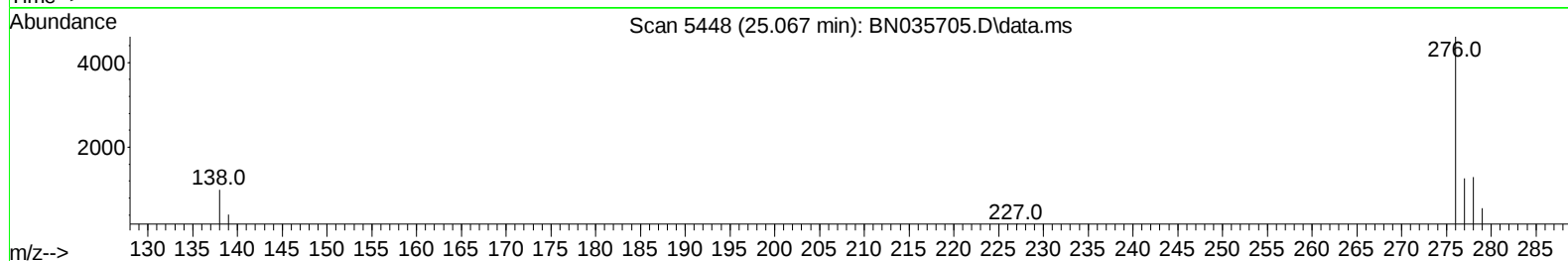
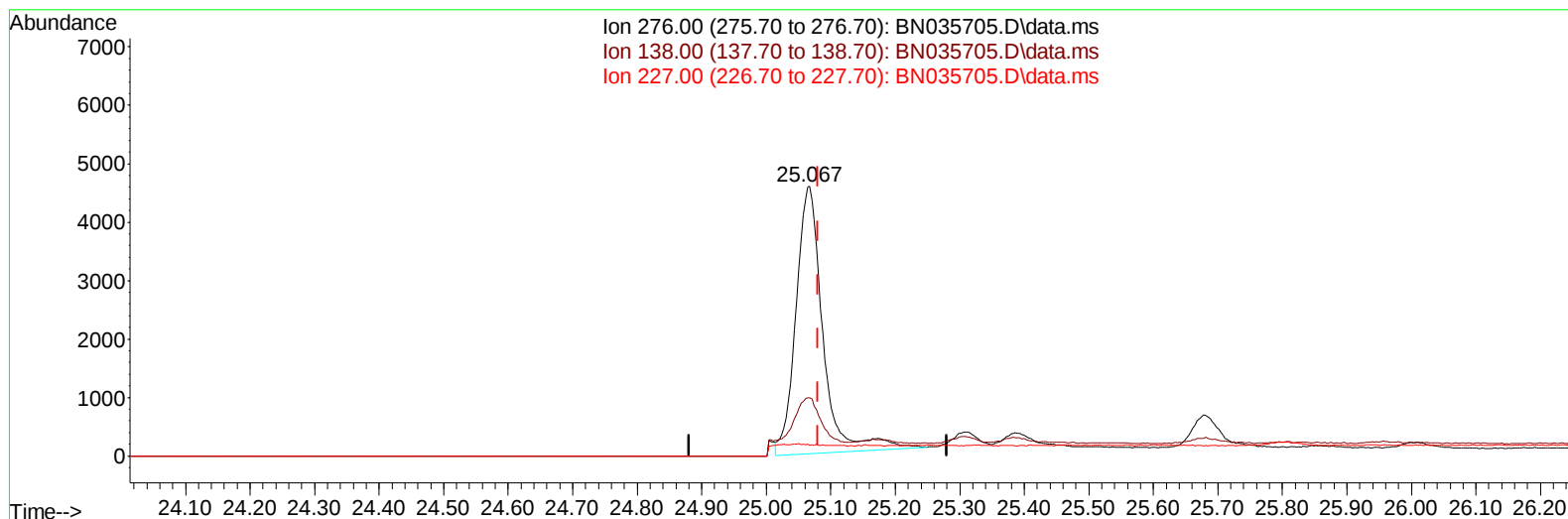
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035705.D
Acq On : 19 Dec 2024 14:29
Operator : RC/JU
Sample : P5258-09DL 5X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X3DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 16:07:54 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
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Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035705.D\data.ms

(27) Indeno(1,2,3-cd)pyrene

25.067min (-0.013) 0.29 ng/u1

response 13206

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	18.46
227.00	27.00	20.99#
0.00	0.00	0.00

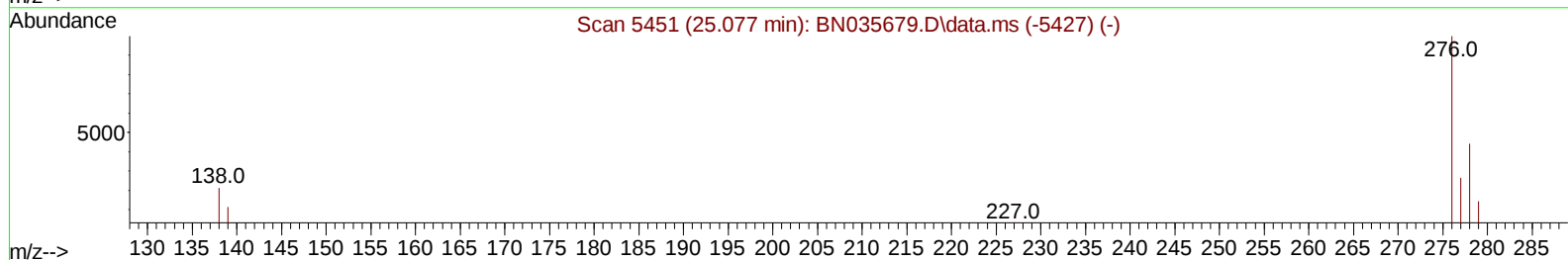
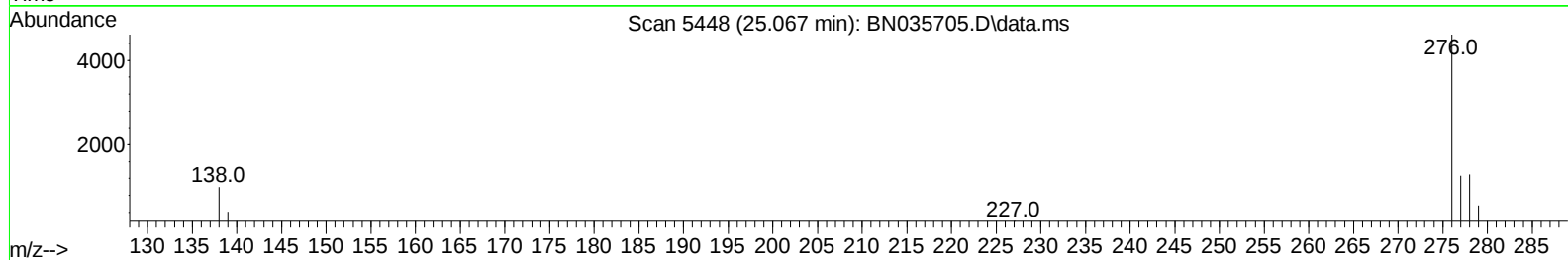
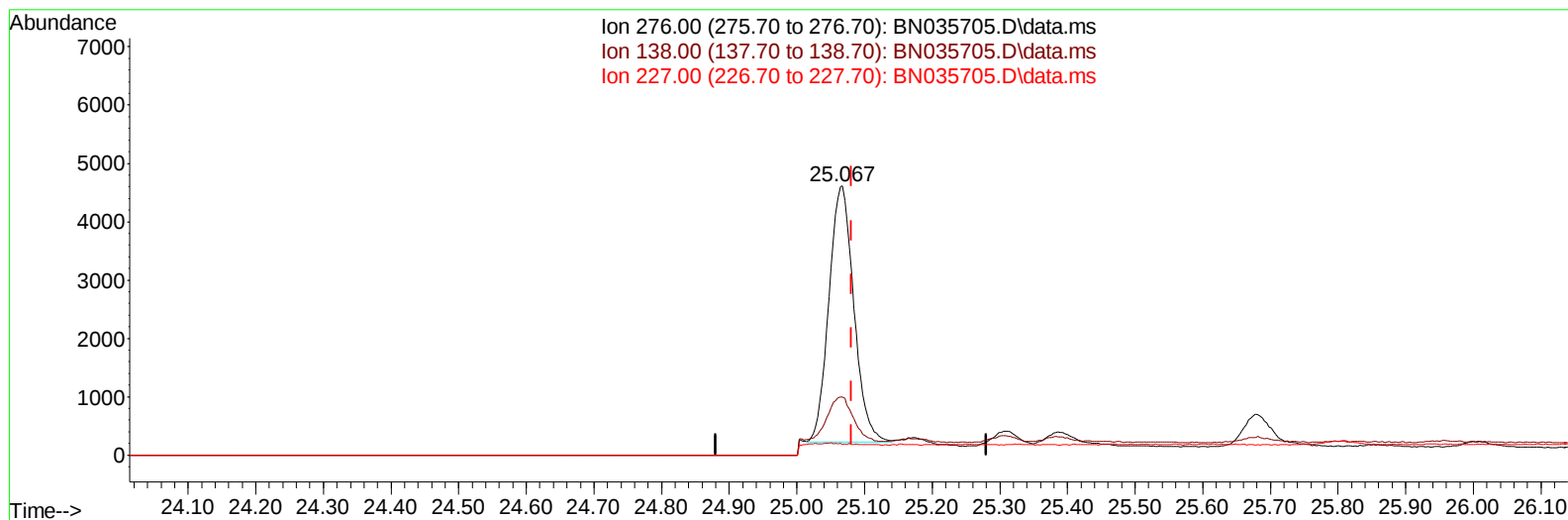
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035705.D
Acq On : 19 Dec 2024 14:29
Operator : RC/JU
Sample : P5258-09DL 5X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X3DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 16:07:54 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035705.D\data.ms

(27) Indeno(1,2,3-cd)pyrene

25.067min (-0.013) 0.24 ng/u1 m

response 11236

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	21.70
227.00	27.00	24.67
0.00	0.00	0.00

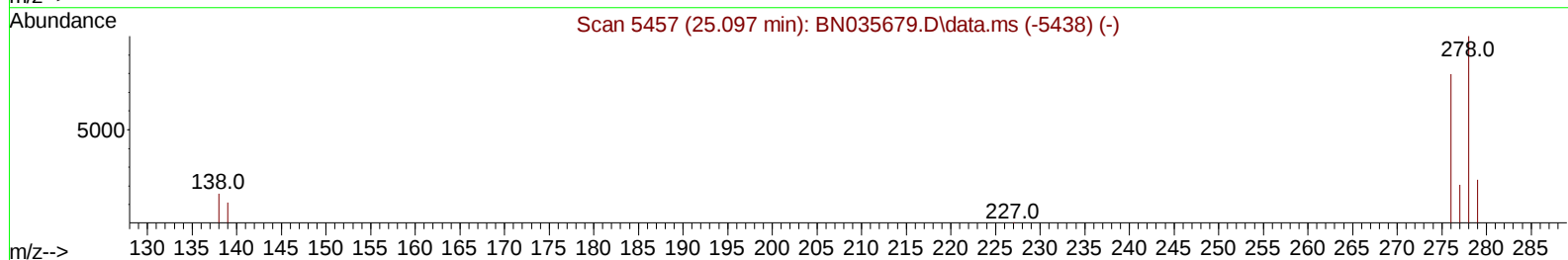
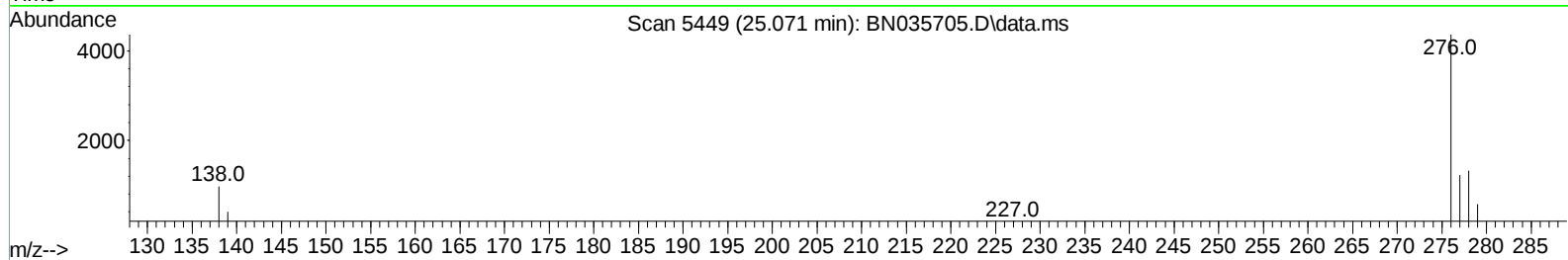
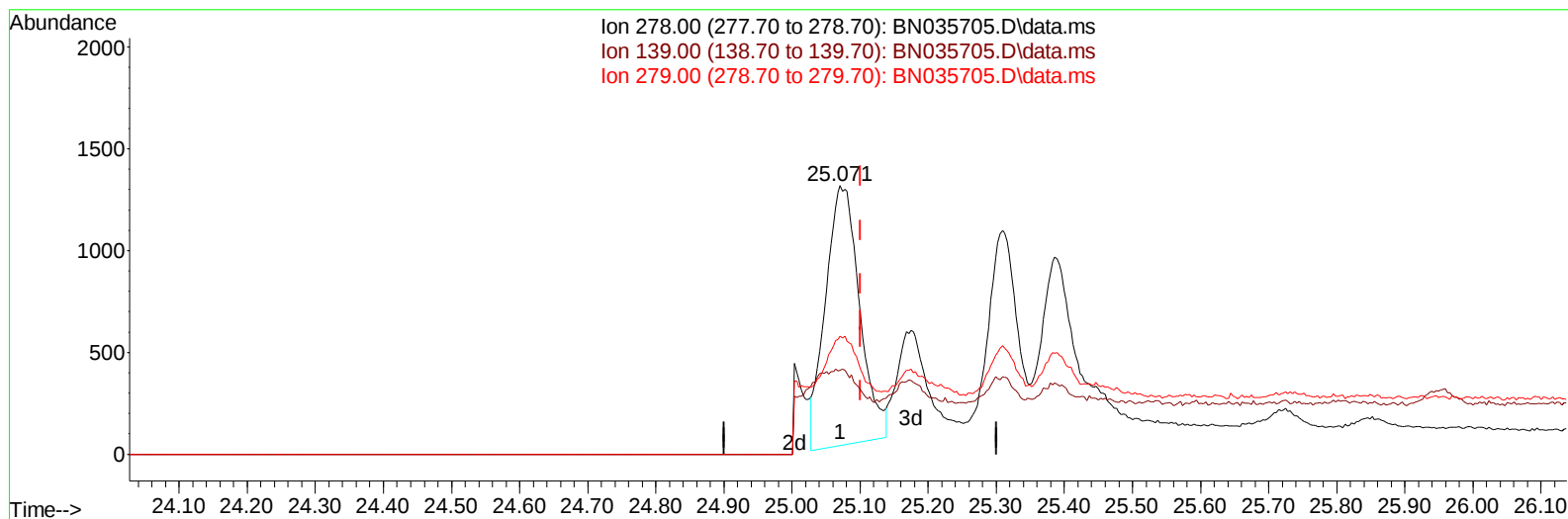
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035705.D
Acq On : 19 Dec 2024 14:29
Operator : RC/JU
Sample : P5258-09DL 5X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X3DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 16:07:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035705.D\data.ms

(28) Dibenzo(a,h)anthracene

25.071min (-0.030) 0.13 ng/u1

response 4433

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	31.31#
279.00	30.00	44.05#
0.00	0.00	0.00

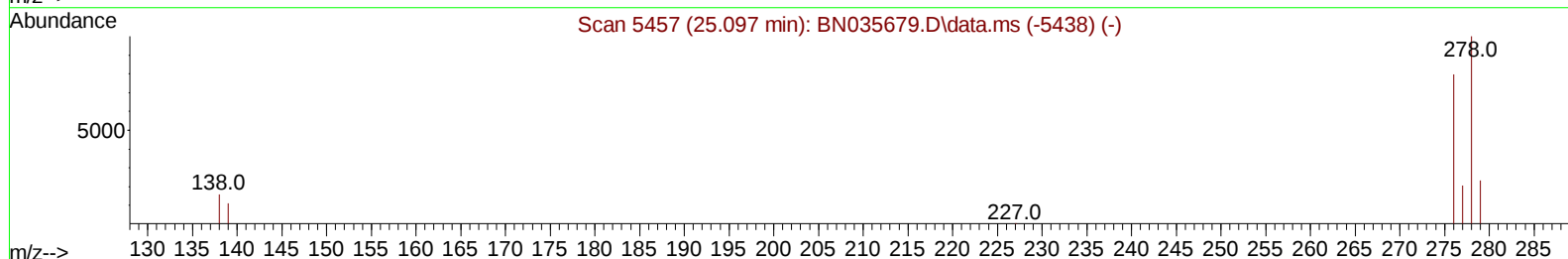
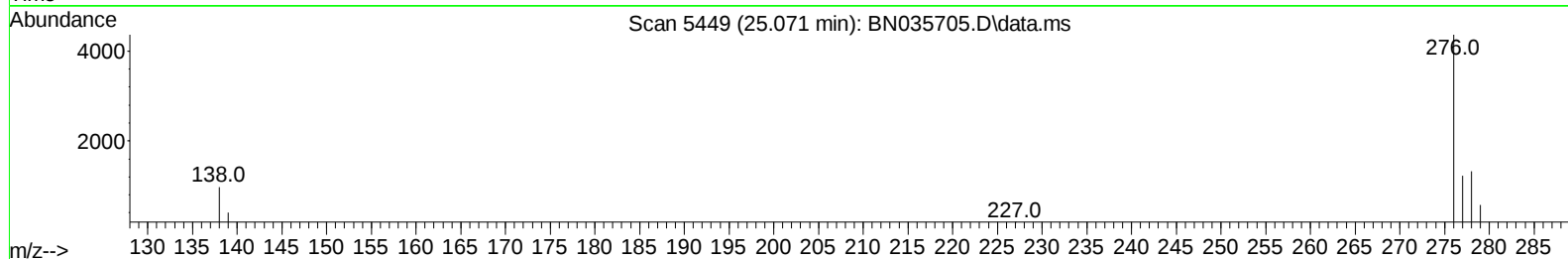
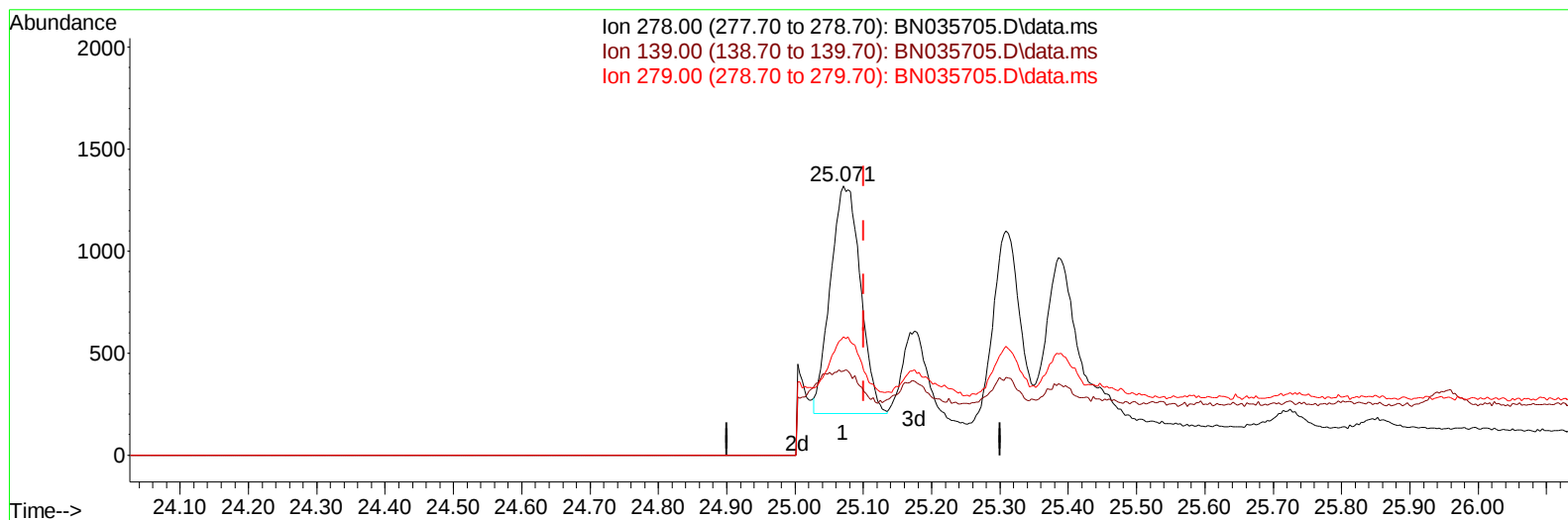
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035705.D
Acq On : 19 Dec 2024 14:29
Operator : RC/JU
Sample : P5258-09DL 5X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X3DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 16:07:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035705.D\data.ms

(28) Dibenzo(a,h)anthracene

25.071min (-0.030) 0.10 ng/ul m

response 3406

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	31.31#
279.00	30.00	44.05#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
 Data File : BN035705.D
 Acq On : 19 Dec 2024 14:29
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:26:08 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.276	152	3522	0.400	ng/ul	0.00
4) Naphthalene-d8	10.020	136	9299	0.400	ng/ul	-0.01
9) Acenaphthene-d10	13.935	164	6826	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.705	188	14464	0.400	ng/ul	-0.01
17) Chrysene-d12	20.956	240	13139	0.400	ng/ul	0.00
23) Perylene-d12	23.039	264	13279m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.955	96	2663	0.853	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.626	152	663	0.050	ng/ul	-0.01
18) Fluoranthene-d10	18.758	212	1440	0.038	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.069	128	784m	0.034	ng/ul	
7) 2-Methylnaphthalene	11.703	142	350	0.023	ng/ul	100
11) Acenaphthene	14.000	153	1438	0.072	ng/ul	98
12) Fluorene	15.004	166	1307	0.056	ng/ul#	96
15) Phenanthrene	16.747	178	27550	0.761	ng/ul	99
16) Anthracene	16.836	178	5573	0.165	ng/ul	98
19) Fluoranthene	18.791	202	57320	1.220	ng/ul	100
20) Pyrene	19.158	202	41916	0.810	ng/ul	99
21) Benzo(a)anthracene	20.938	228	24868	0.571	ng/ul	99
22) Chrysene	20.991	228	24807	0.549	ng/ul	98
24) Benzo(b)fluoranthene	22.434	252	31074m	0.794	ng/ul	
25) Benzo(k)fluoranthene	22.469	252	12902m	0.298	ng/ul	
26) Benzo(a)pyrene	22.948	252	13312m	0.351	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.067	276	11236m	0.244	ng/ul	
28) Dibenzo(a,h)anthracene	25.071	278	3406m	0.097	ng/ul	
29) Benzo(g,h,i)perylene	25.678	276	1759	0.048	ng/ul#	66

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

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