

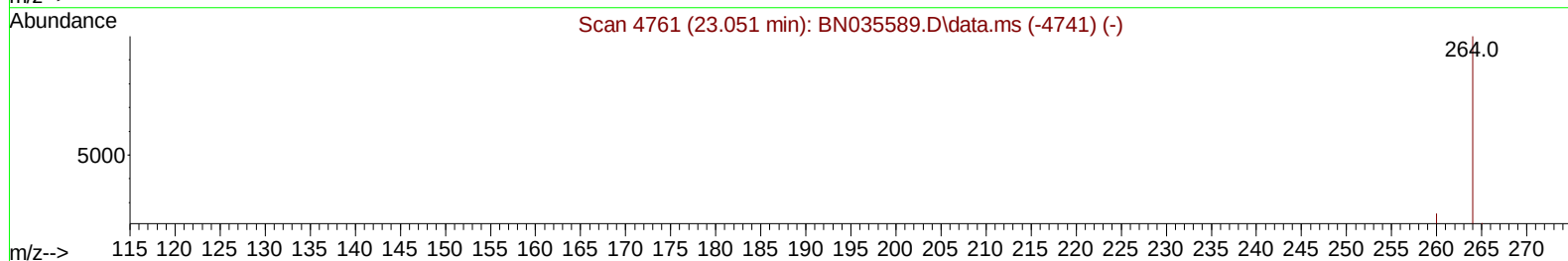
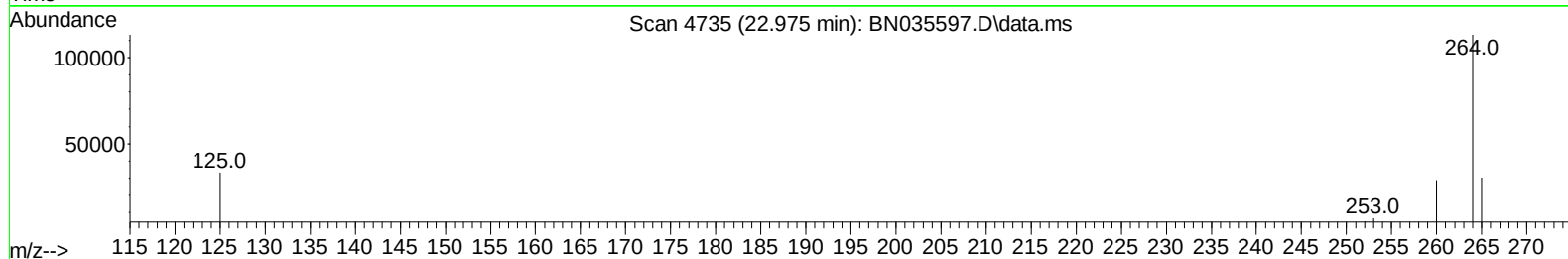
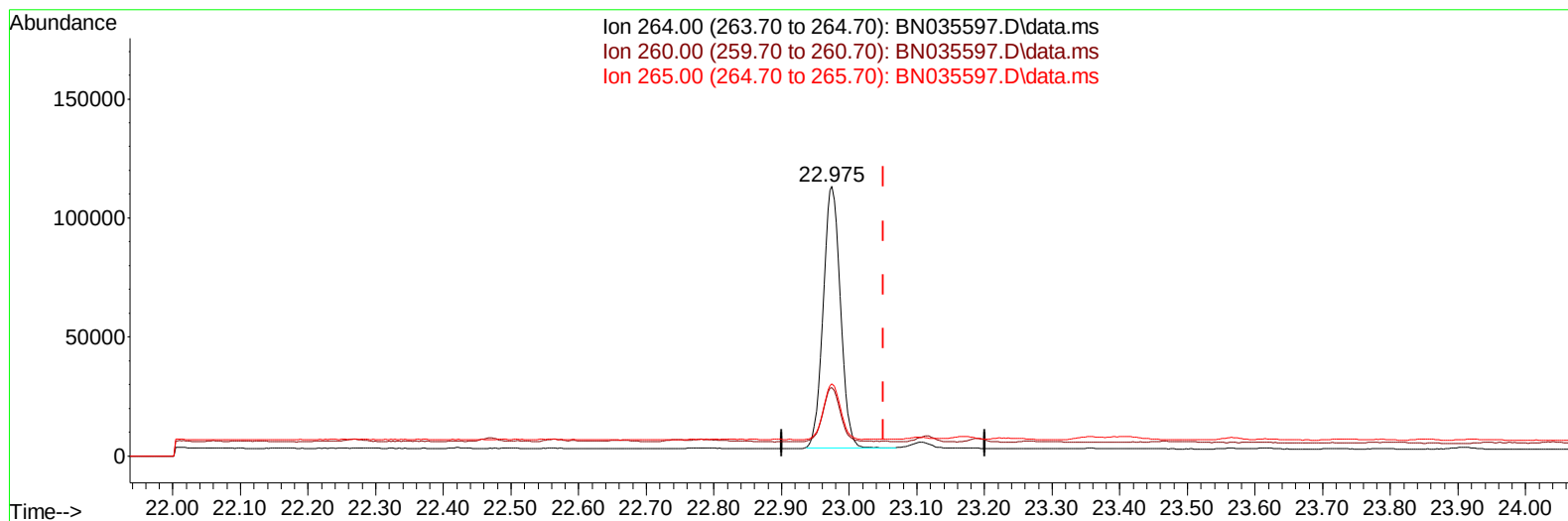
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035597.D
Acq On : 13 Dec 2024 15:06
Operator : RC/JU
Sample : P5153-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 15:36:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BN035597.D\data.ms

(23) Perylene-d12 (I)

22.975min (-0.076) 0.40 ng/u1

response 193667

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.20	25.42
265.00	75.50	26.77#
0.00	0.00	0.00

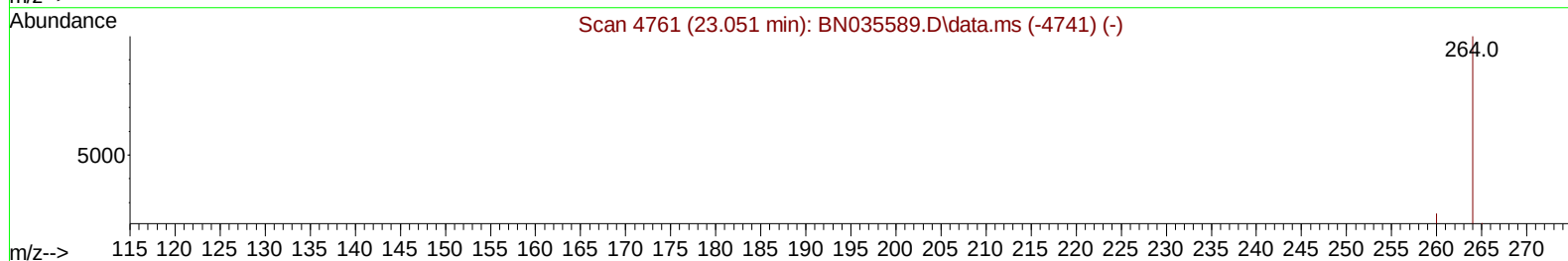
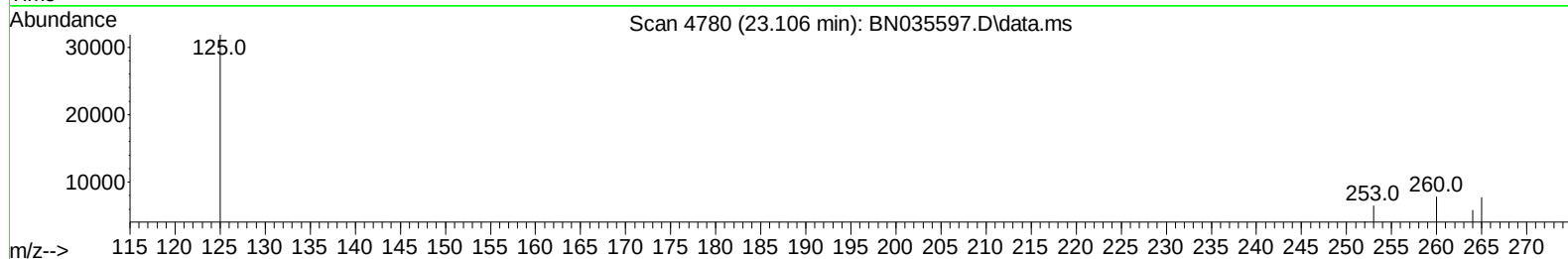
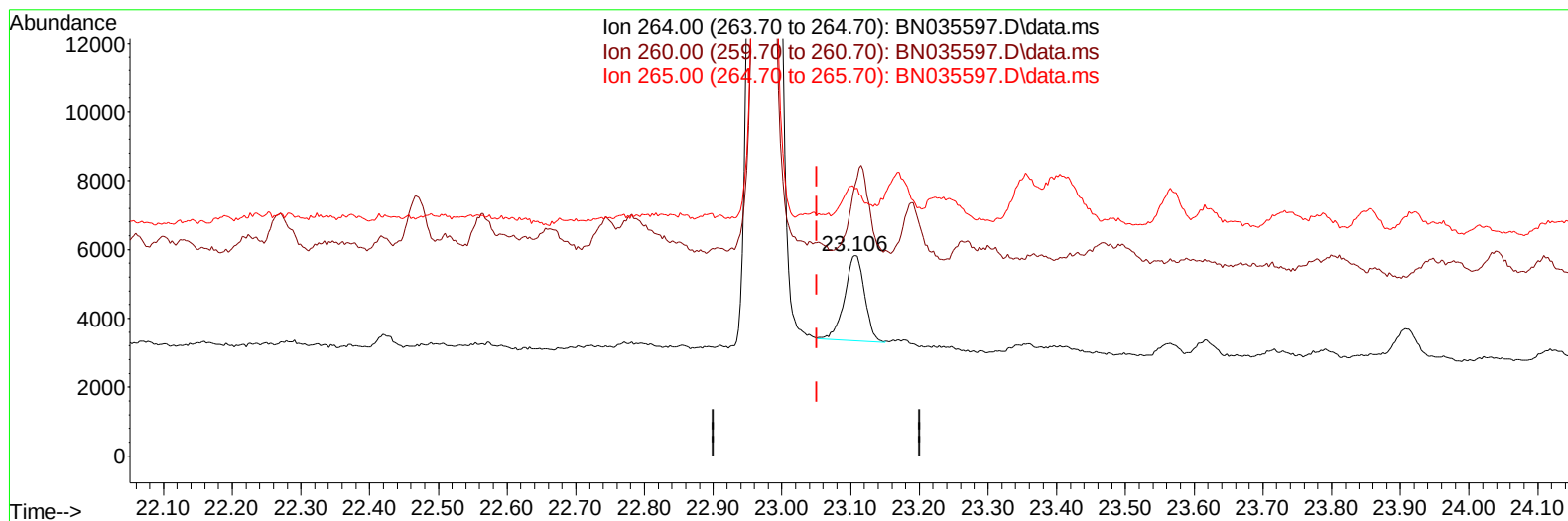
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035597.D
Acq On : 13 Dec 2024 15:06
Operator : RC/JU
Sample : P5153-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 15:36:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BN035597.D\data.ms

(23) Perylene-d12 (I)

23.106min (+ 0.056) 0.40 ng/ul m

response 4991

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.20	134.64#
265.00	75.50	133.25#
0.00	0.00	0.00

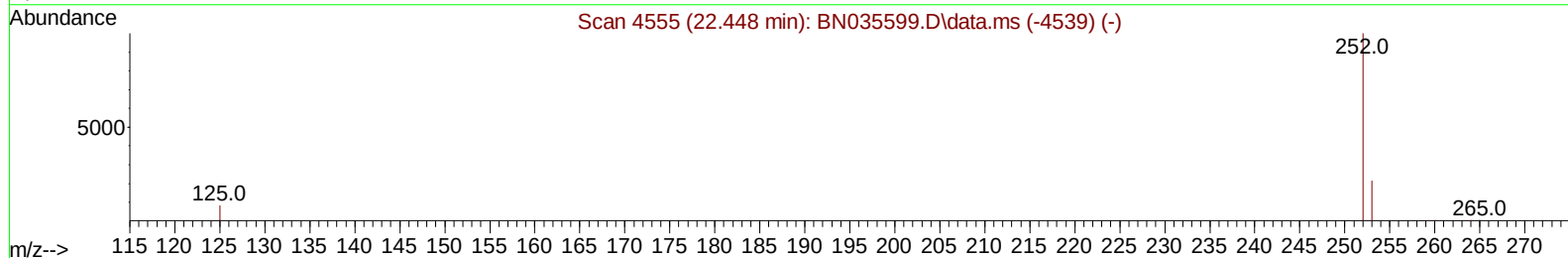
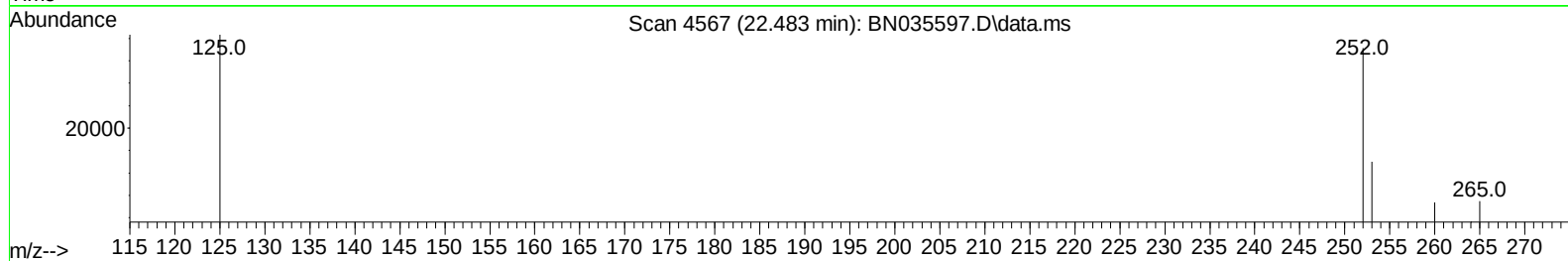
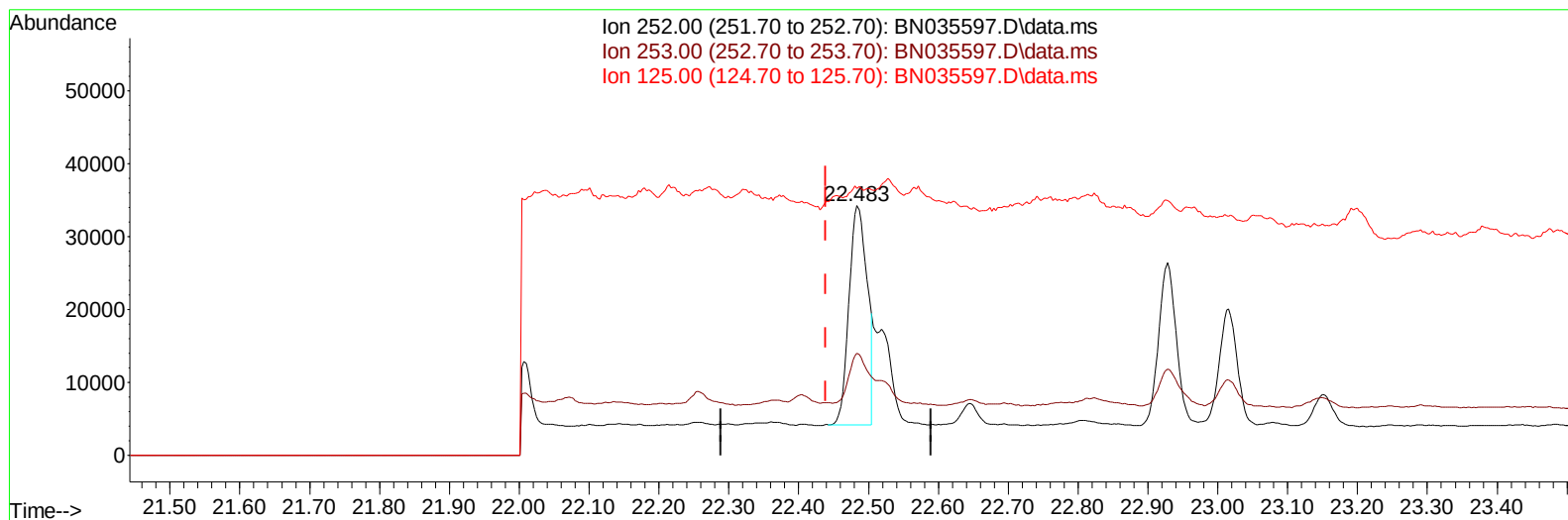
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035597.D
Acq On : 13 Dec 2024 15:06
Operator : RC/JU
Sample : P5153-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 15:36:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 10 16:10:57 2024
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Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BN035597.D\data.ms

(24) Benzo(b)fluoranthene

22.483min (+ 0.044) 3.29 ng/u1

response 54321

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	40.91
125.00	9.70	107.01#
0.00	0.00	0.00

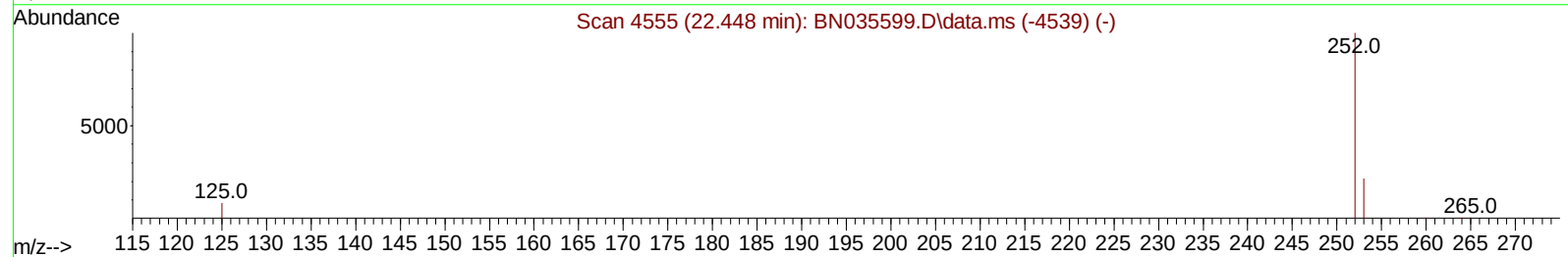
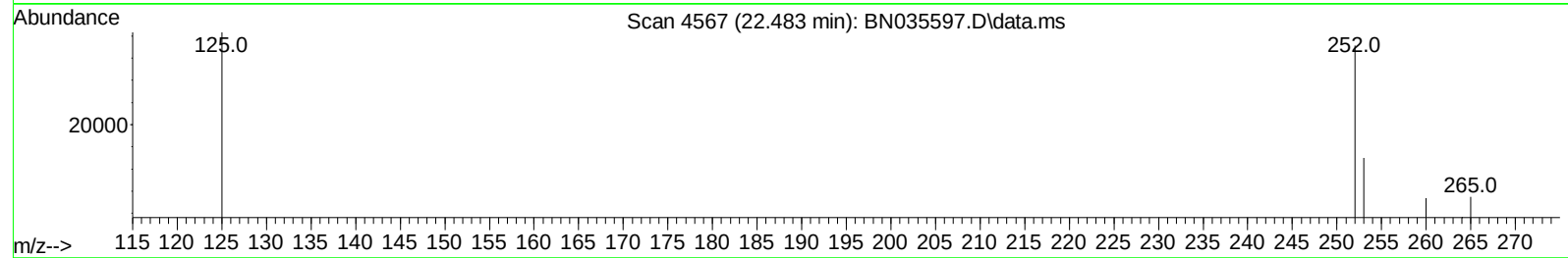
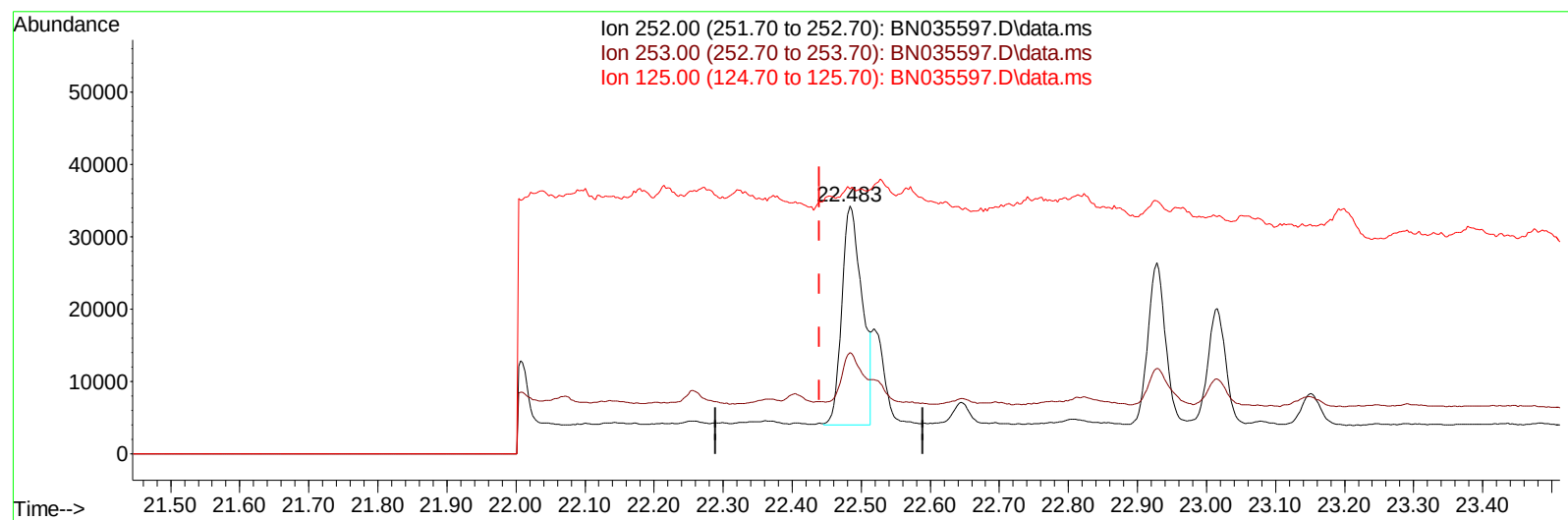
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035597.D
Acq On : 13 Dec 2024 15:06
Operator : RC/JU
Sample : P5153-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 15:36:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BN035597.D\data.ms

(24) Benzo(b)fluoranthene

22.483min (+ 0.044) 3.75 ng/ul m

response 61811

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	40.91
125.00	9.70	107.01#
0.00	0.00	0.00

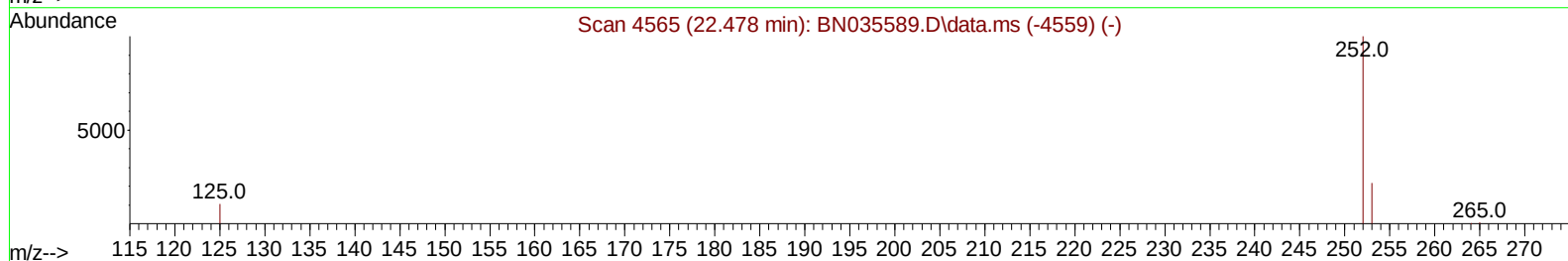
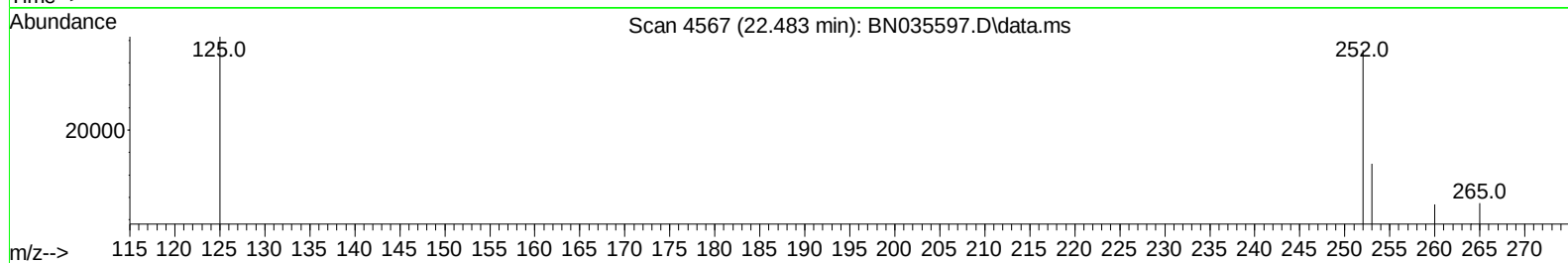
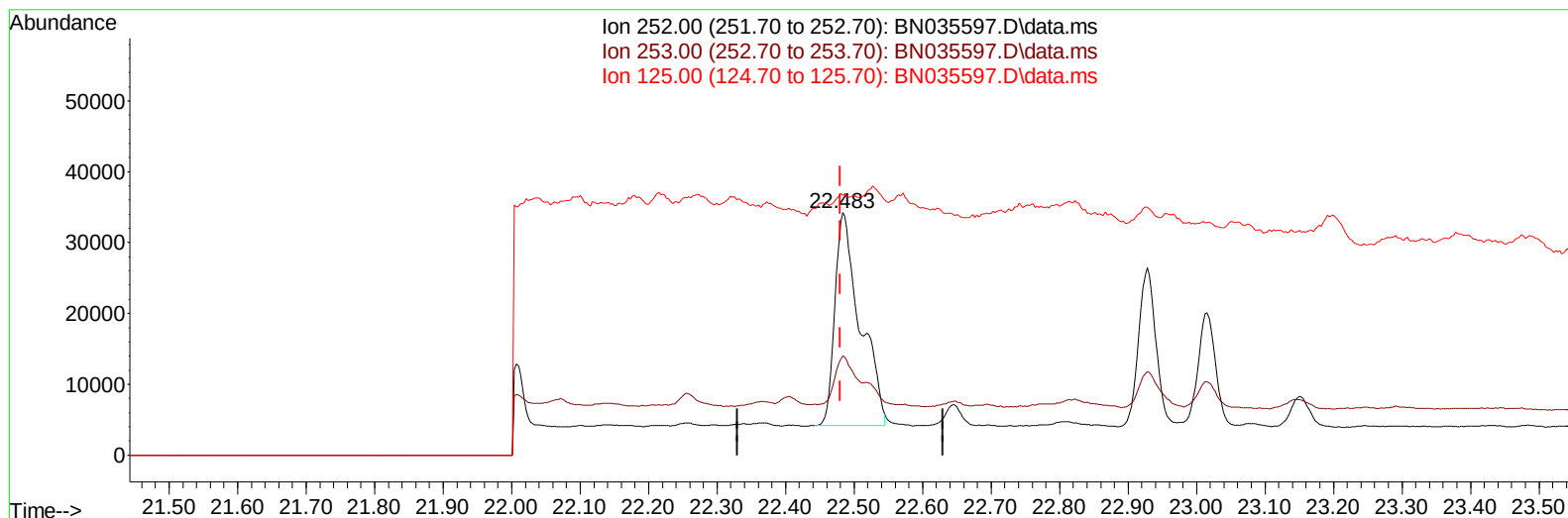
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035597.D
Acq On : 13 Dec 2024 15:06
Operator : RC/JU
Sample : P5153-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 15:36:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BN035597.D\data.ms

(25) Benzo(k)fluoranthene

22.483min (+ 0.003) 4.54 ng/u1

response 77264

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	40.91#
125.00	10.70	107.01#
0.00	0.00	0.00

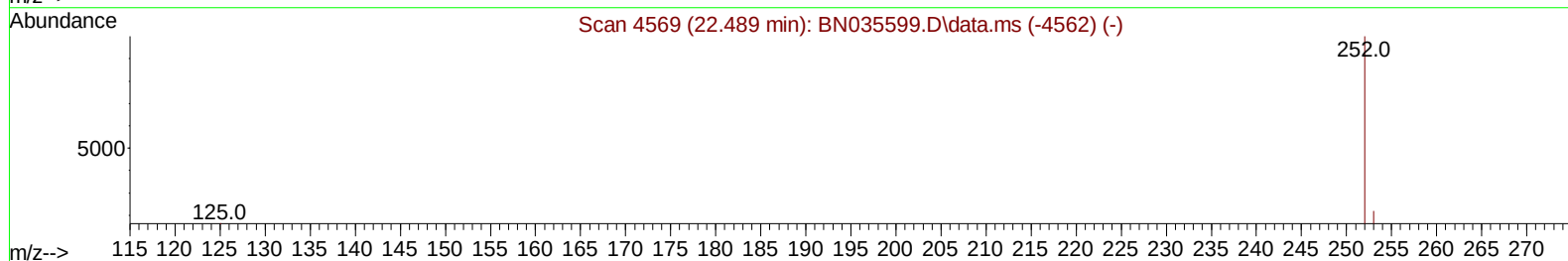
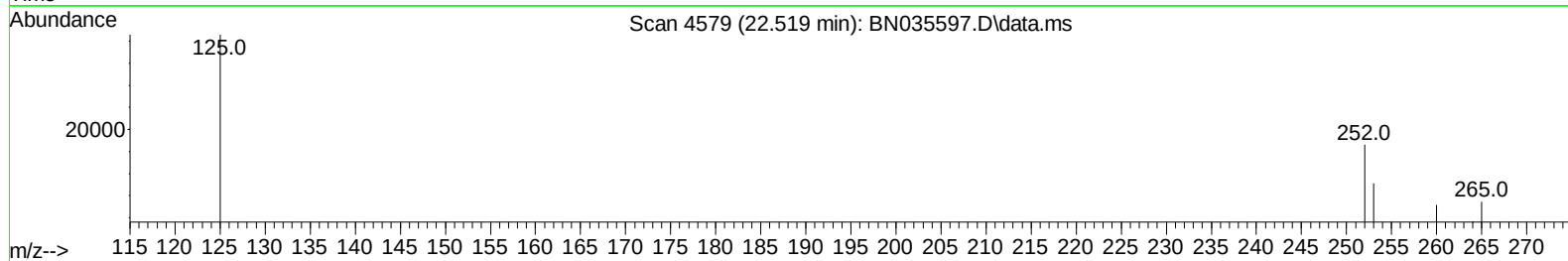
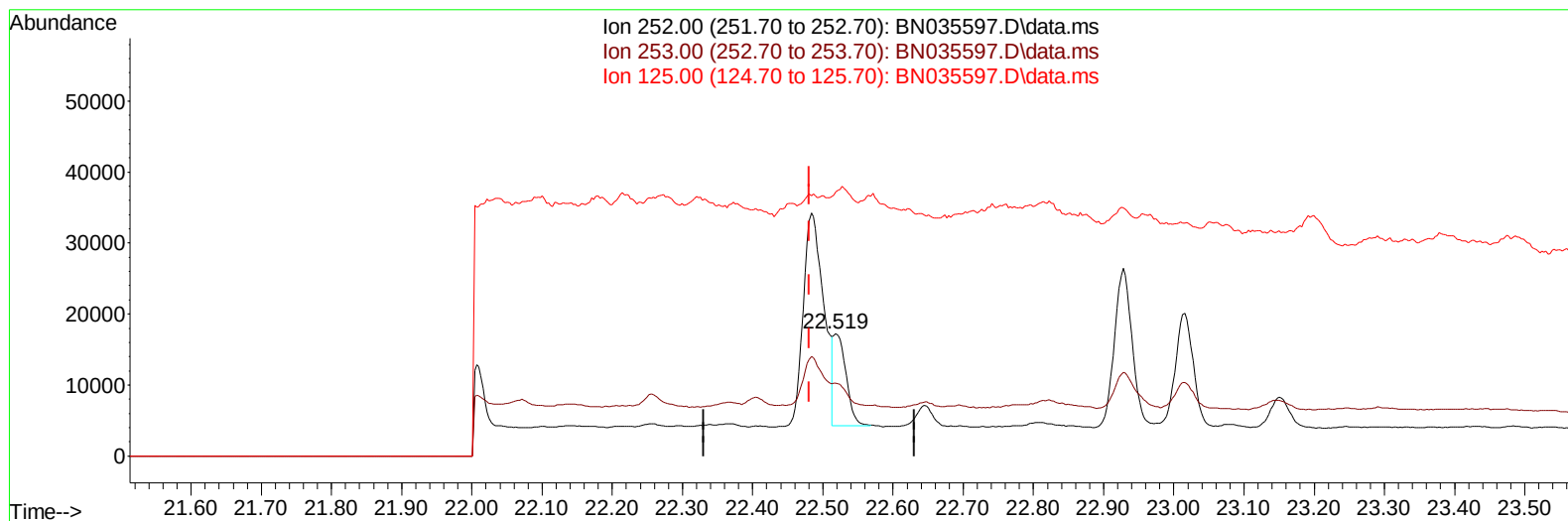
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035597.D
Acq On : 13 Dec 2024 15:06
Operator : RC/JU
Sample : P5153-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 15:36:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BN035597.D\data.ms

(25) Benzo(k)fluoranthene

22.519min (+ 0.038) 0.96 ng/ul m

response 16410

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	59.43#
125.00	10.70	215.05#
0.00	0.00	0.00

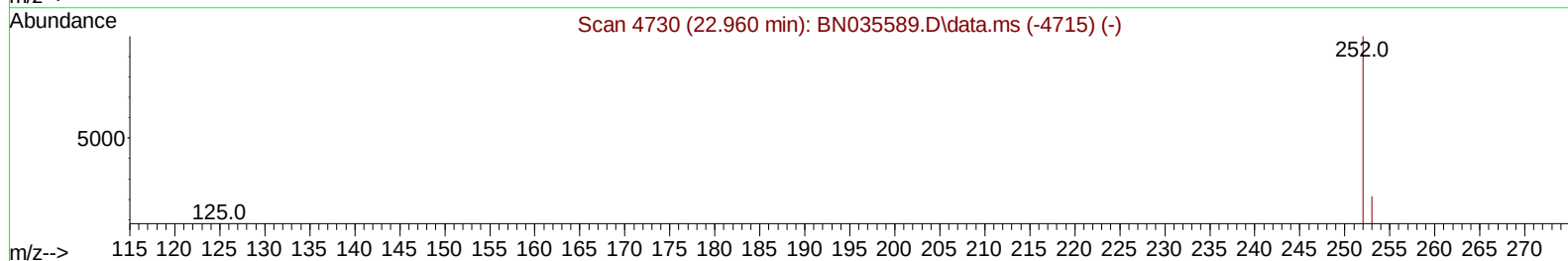
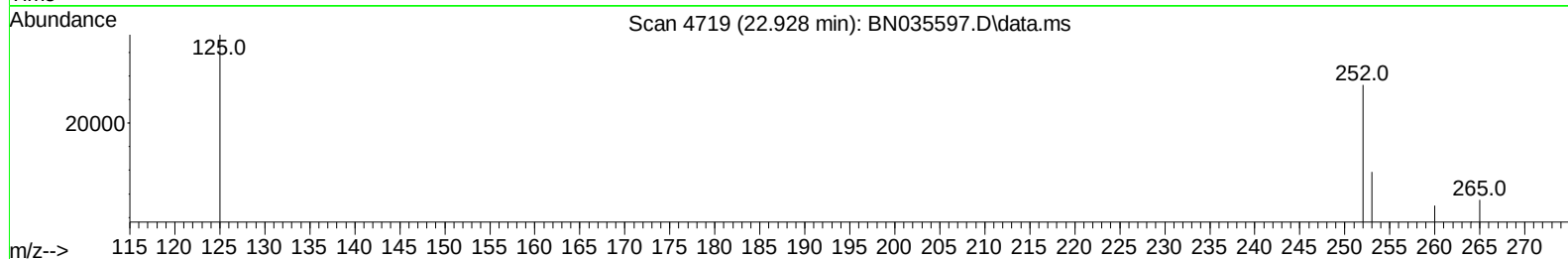
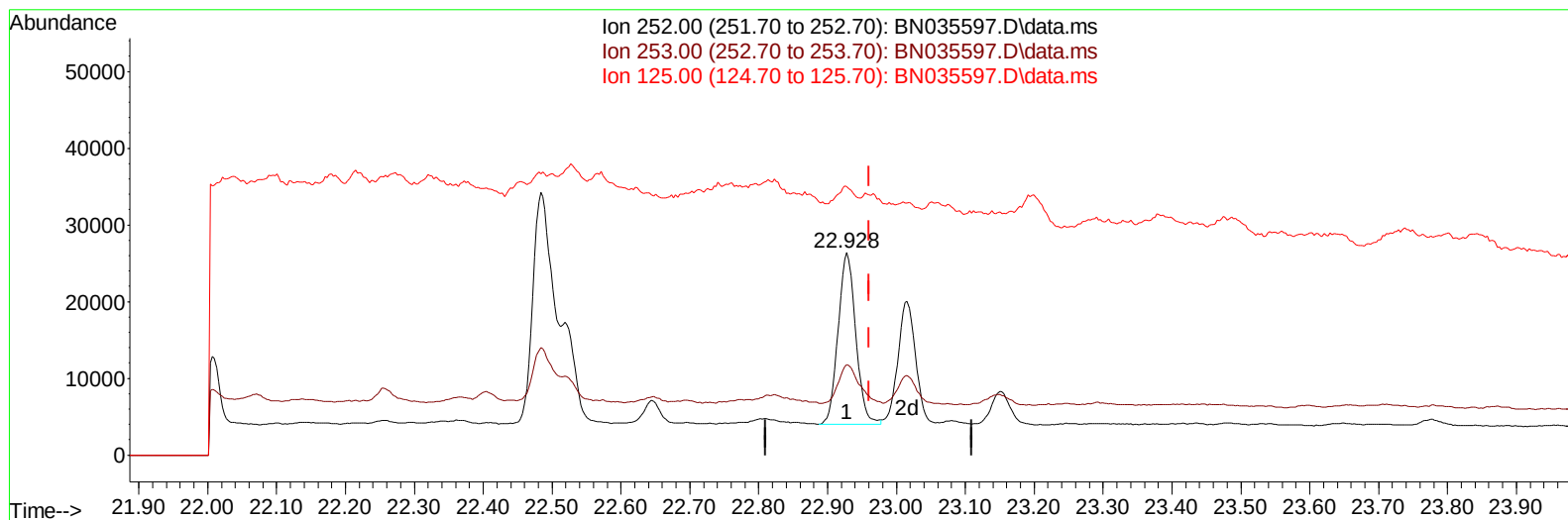
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035597.D
Acq On : 13 Dec 2024 15:06
Operator : RC/JU
Sample : P5153-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 15:36:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 10 16:10:57 2024
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Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BN035597.D\data.ms

(26) Benzo(a)pyrene (C)

22.928min (-0.032) 2.64 ng/u1

response 39754

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.60	44.50#
125.00	11.80	132.30#
0.00	0.00	0.00

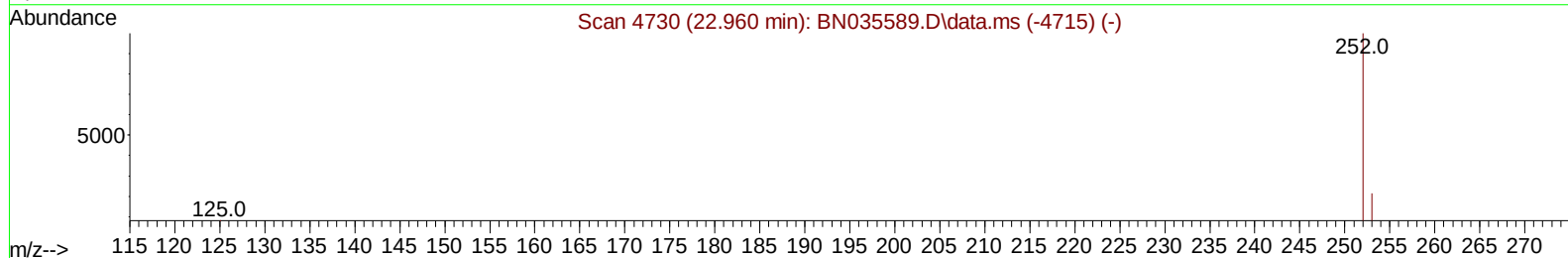
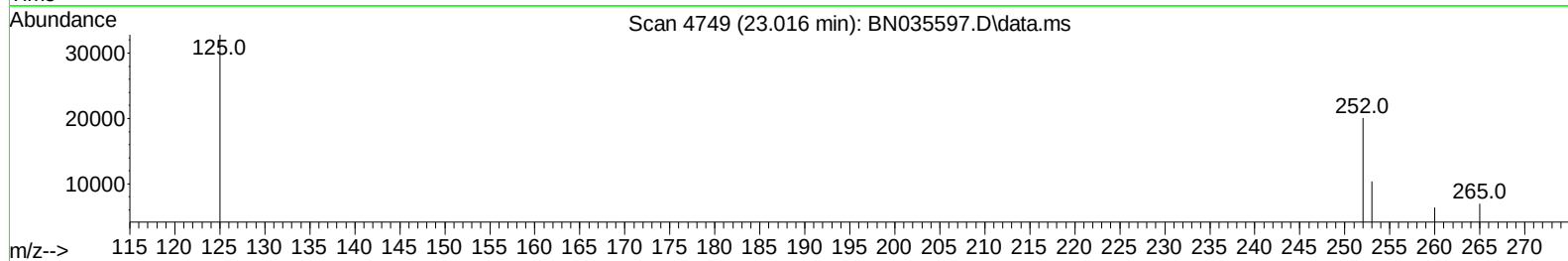
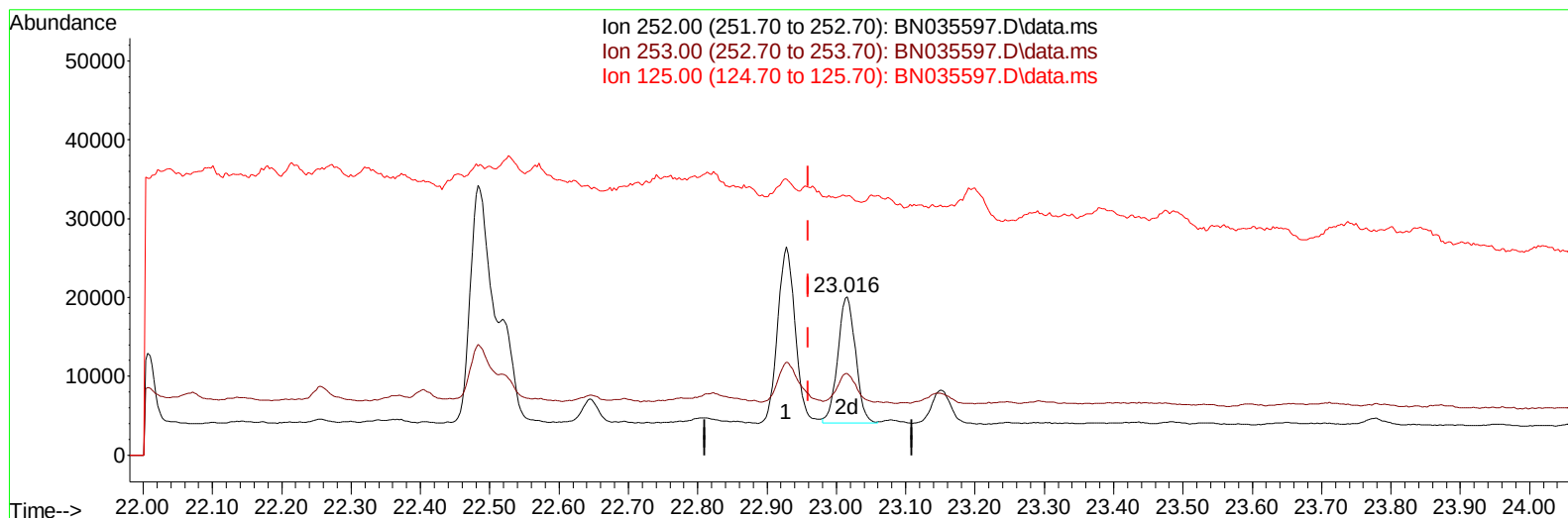
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035597.D
Acq On : 13 Dec 2024 15:06
Operator : RC/JU
Sample : P5153-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 15:36:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BN035597.D\data.ms

(26) Benzo(a)pyrene (C)

23.016min (+ 0.056) 1.87 ng/ul m

response 28251

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.60	51.64#
125.00	11.80	163.56#
0.00	0.00	0.00

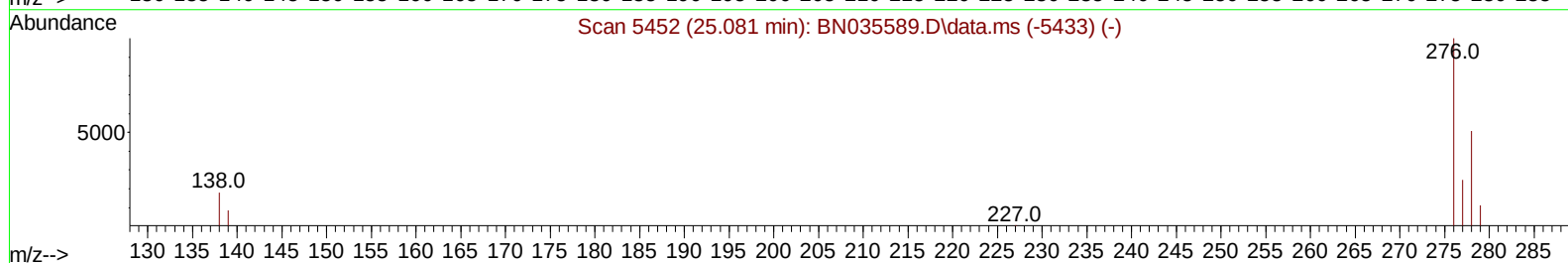
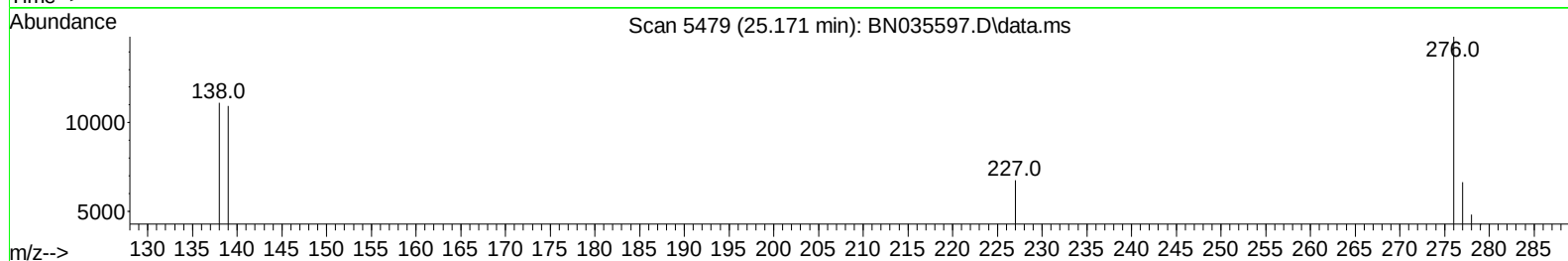
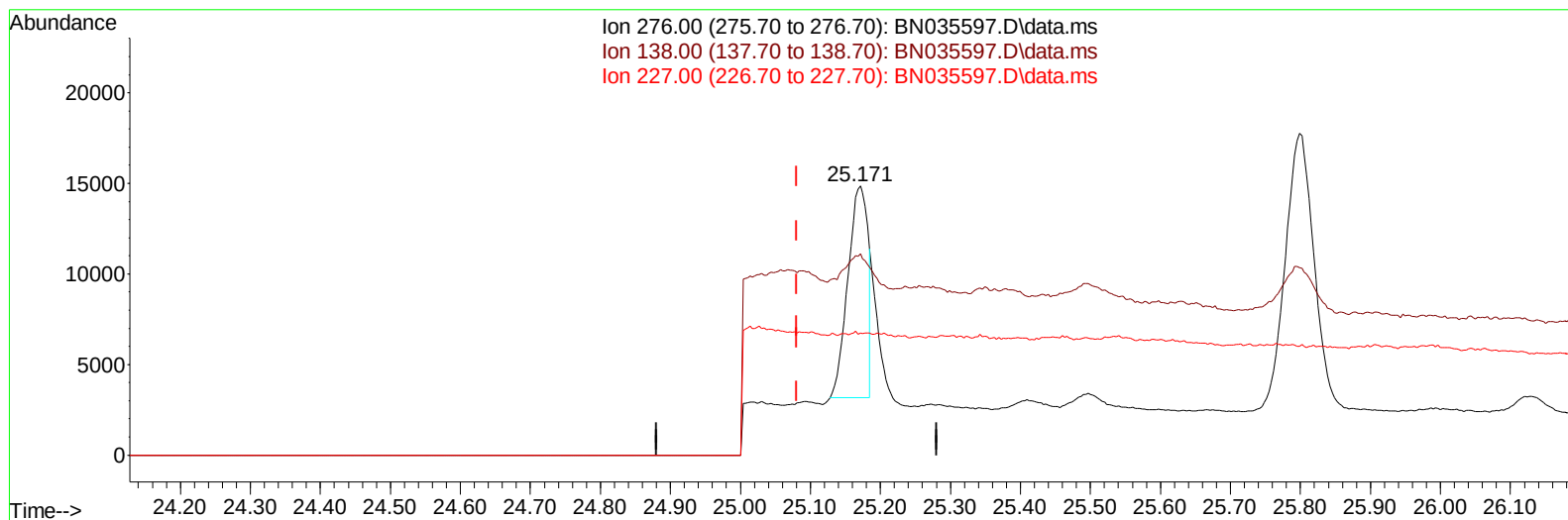
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035597.D
Acq On : 13 Dec 2024 15:06
Operator : RC/JU
Sample : P5153-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 15:36:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
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TIC: BN035597.D\data.ms

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

25.171min (+ 0.091) 1.15 ng/u1

response 23413

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.30	476.31#
227.00	0.30	0.00#
0.00	0.00	0.00

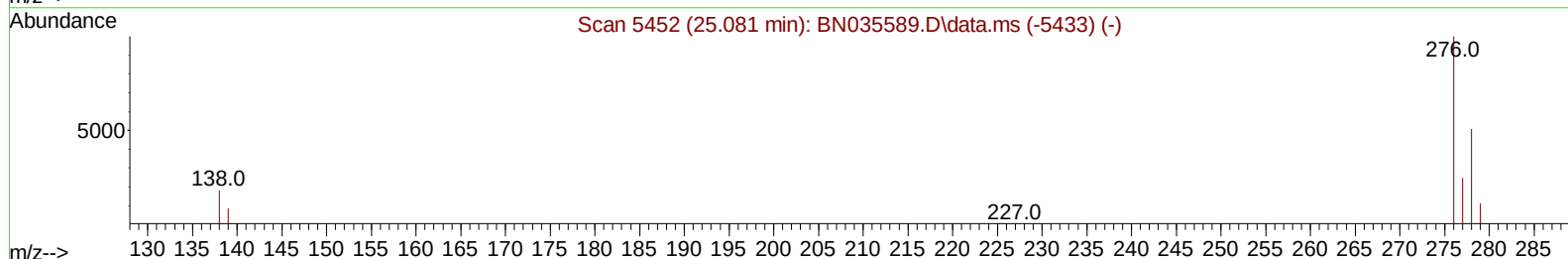
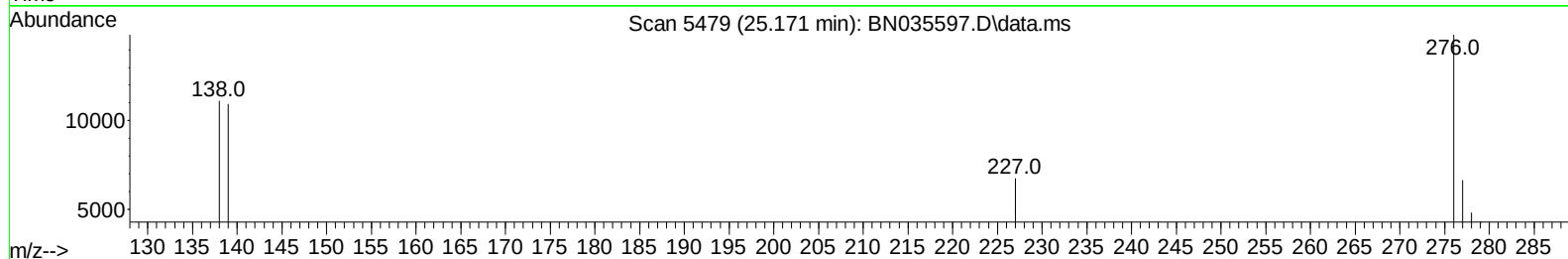
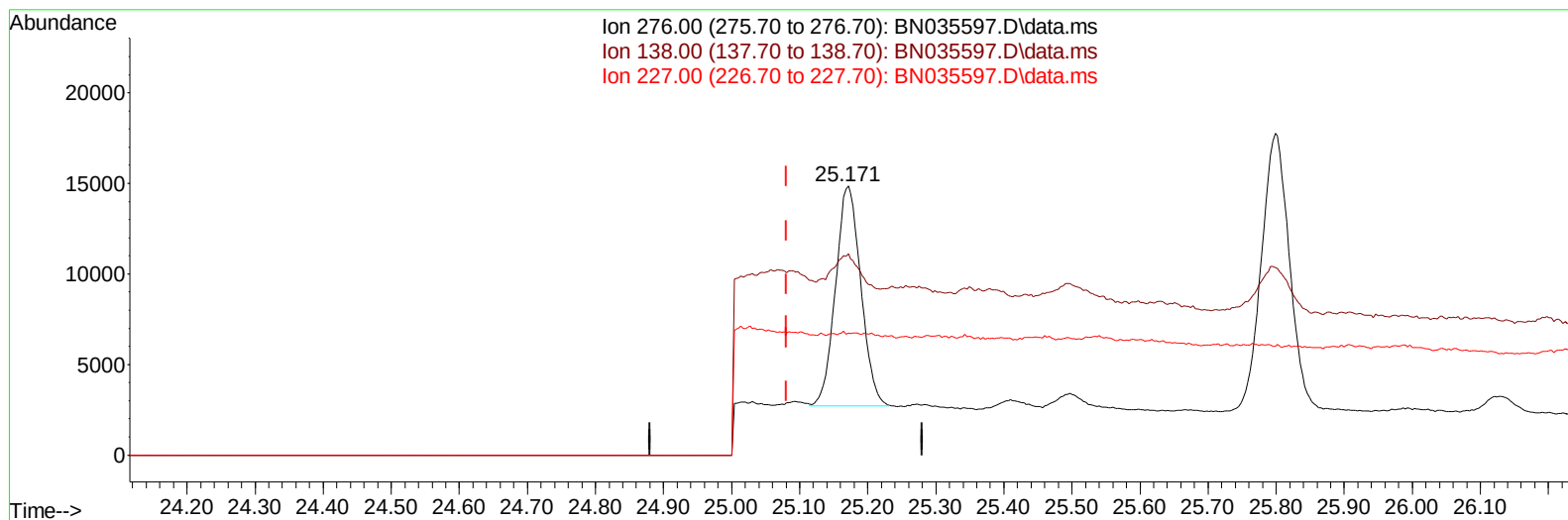
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035597.D
Acq On : 13 Dec 2024 15:06
Operator : RC/JU
Sample : P5153-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 15:36:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BN035597.D\data.ms

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

25.171min (+ 0.091) 1.53 ng/ul m

response 31175

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.30	357.72#
227.00	0.30	0.00#
0.00	0.00	0.00

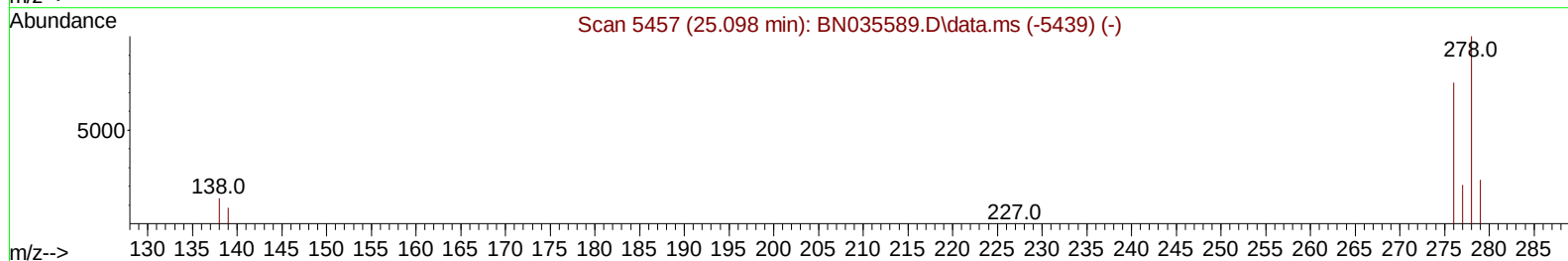
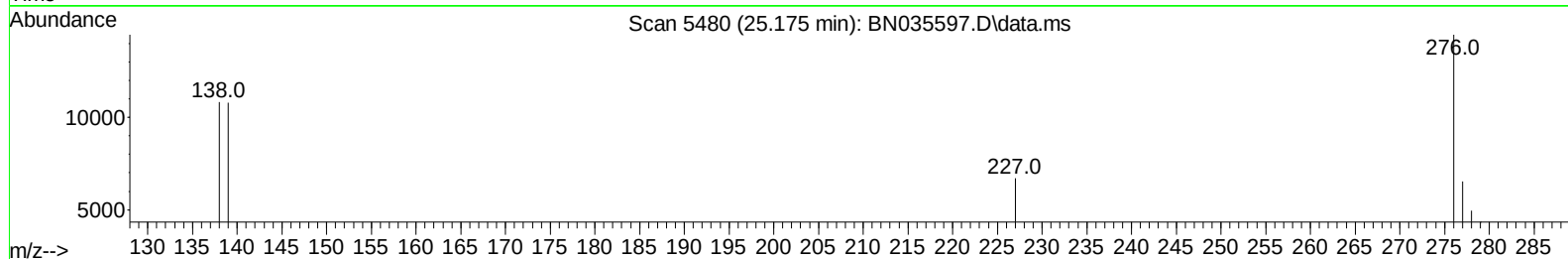
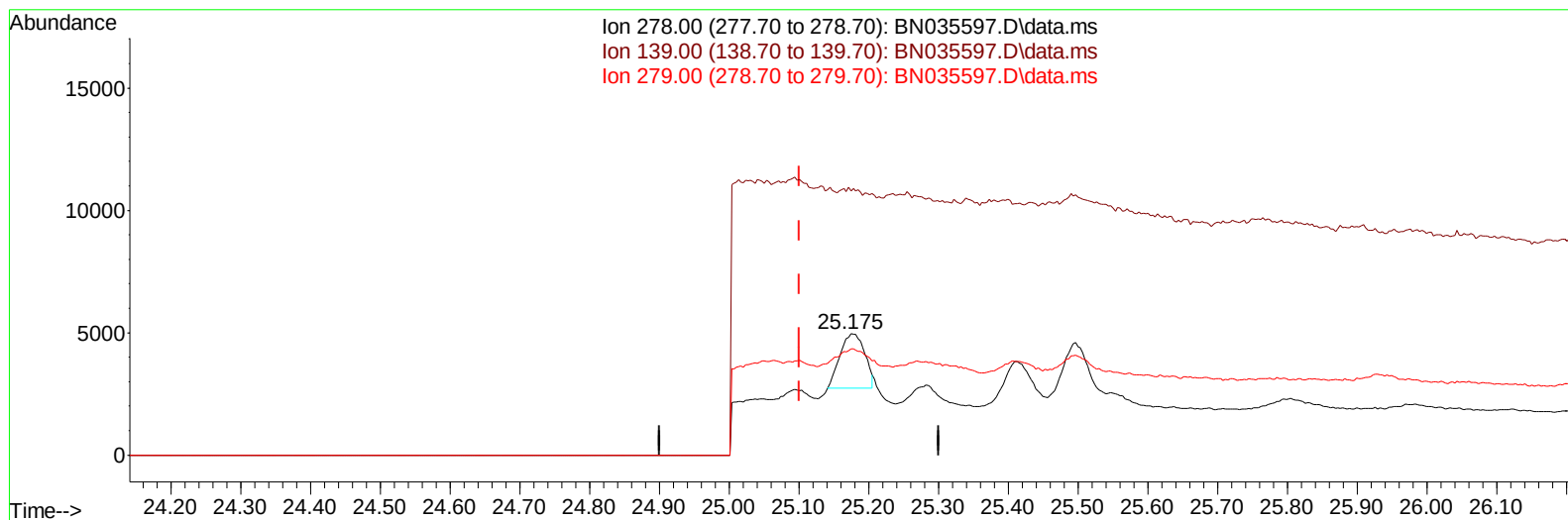
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035597.D
Acq On : 13 Dec 2024 15:06
Operator : RC/JU
Sample : P5153-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q3

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BN035597.D\data.ms

(28) Dibenzo(a,h)anthracene

25.175min (+ 0.074) 0.34 ng/u1

response 5473

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	13.40	218.01#
279.00	28.50	87.46#
0.00	0.00	0.00

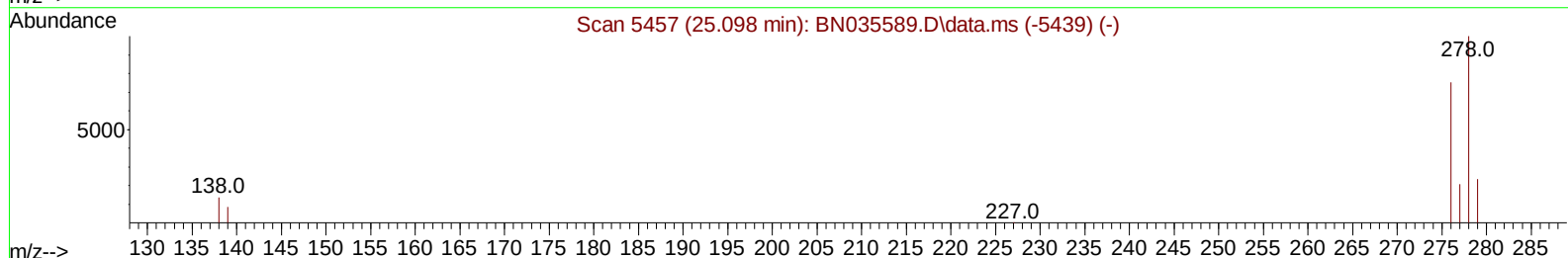
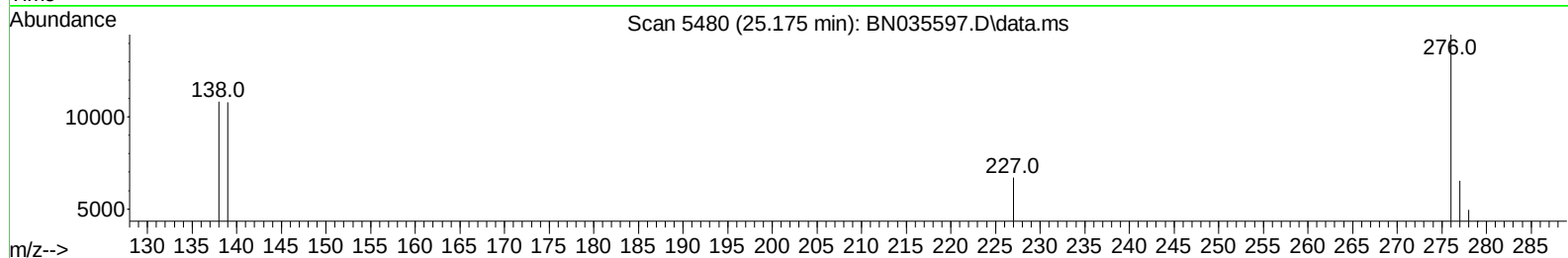
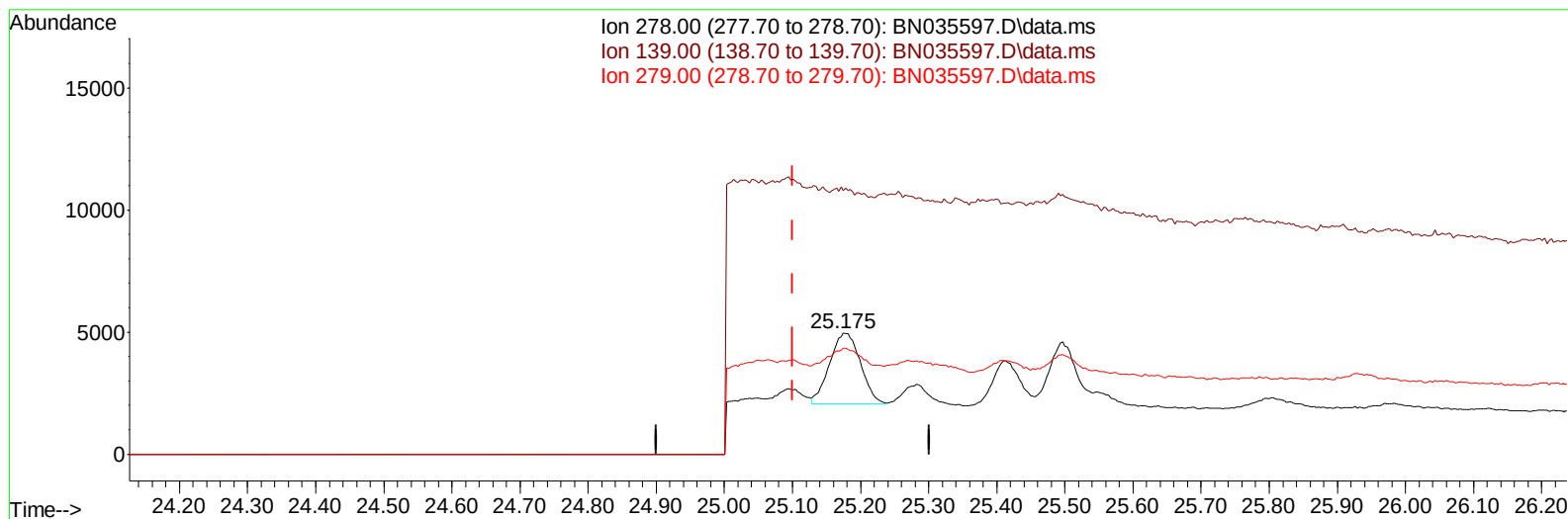
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035597.D
Acq On : 13 Dec 2024 15:06
Operator : RC/JU
Sample : P5153-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 15:36:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BN035597.D\data.ms

(28) Dibenzo(a,h)anthracene

25.175min (+ 0.074) 0.57 ng/ul m

response 9130

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	13.40	218.01#
279.00	28.50	87.46#
0.00	0.00	0.00

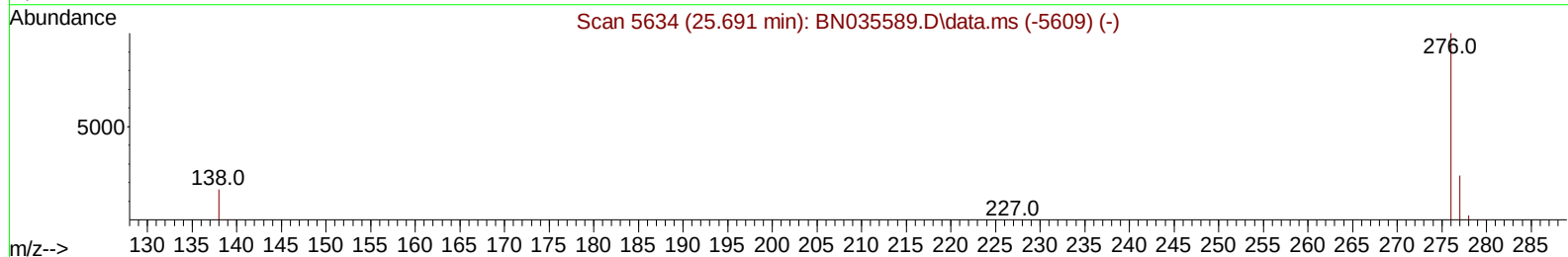
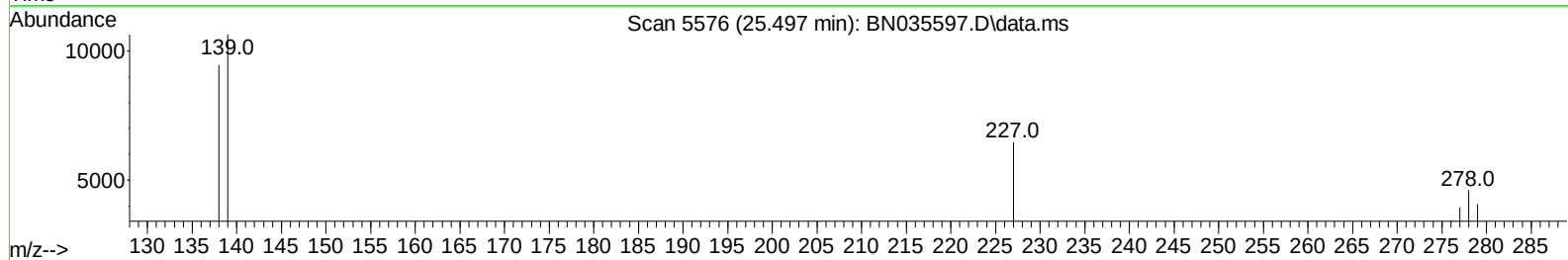
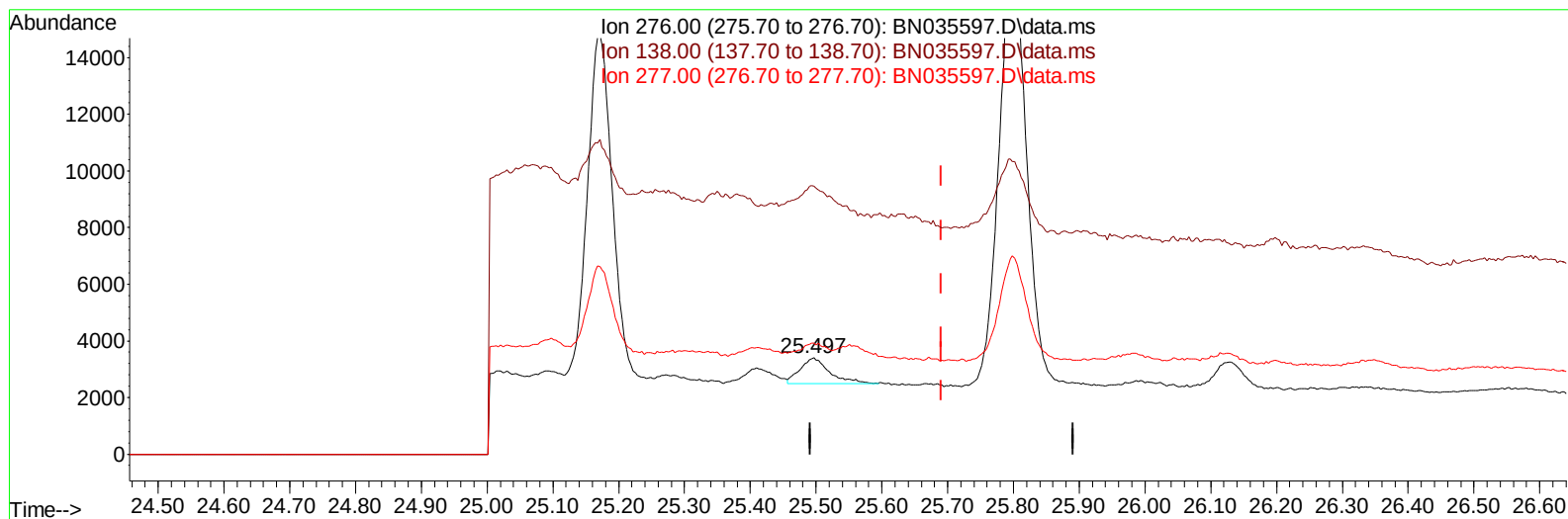
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035597.D
Acq On : 13 Dec 2024 15:06
Operator : RC/JU
Sample : P5153-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 15:36:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
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Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BN035597.D\data.ms

(29) Benzo(g,h,i)perylene

25.497min (-0.194) 0.18 ng/u1

response 2829

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	16.30	278.40#
277.00	25.60	115.61#
0.00	0.00	0.00

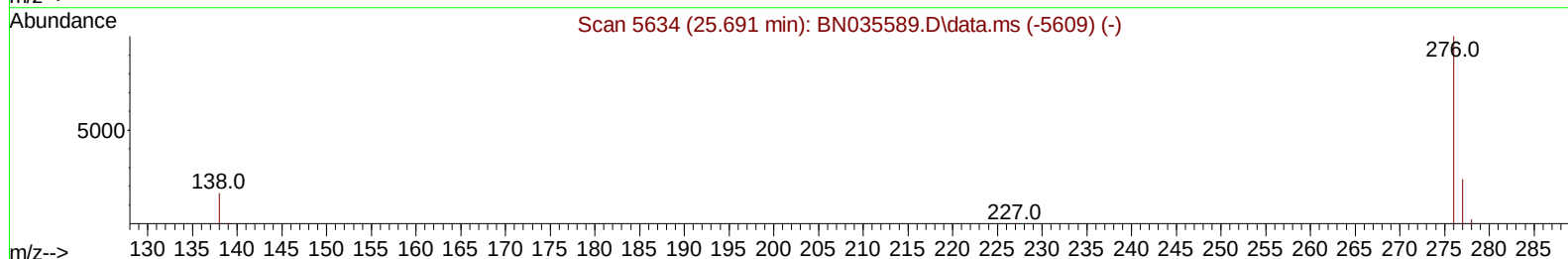
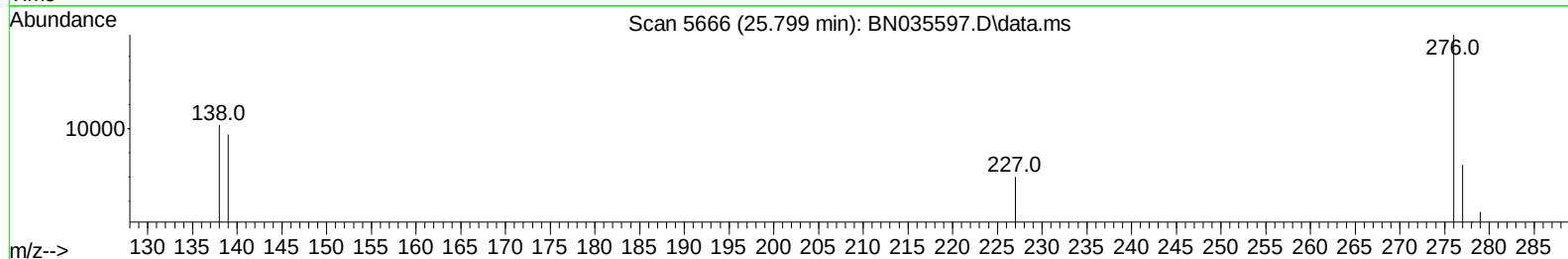
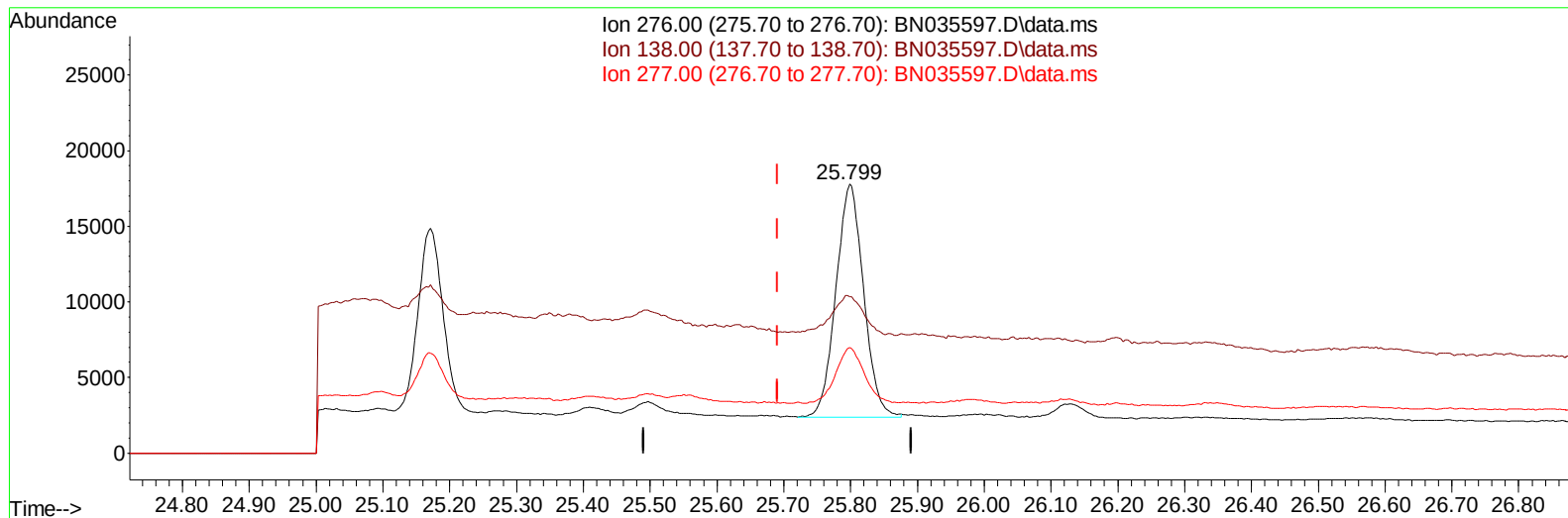
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035597.D
Acq On : 13 Dec 2024 15:06
Operator : RC/JU
Sample : P5153-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 15:36:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BN035597.D\data.ms

(29) Benzo(g,h,i)perylene

25.799min (+ 0.107) 2.77 ng/ul m

response 44417

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	16.30	58.09#
277.00	25.60	39.37#
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	7.297	152	2316	0.400	ng/ul	# 0.00
4) Naphthalene-d8	10.042	136	14994	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	13.958	164	5870	0.400	ng/ul	# 0.00
13) Phenanthrene-d10	16.730	188	7118	0.400	ng/ul	# 0.01
17) Chrysene-d12	20.988	240	4675	0.400	ng/ul	# 0.03
23) Perylene-d12	23.106	264	4991m	0.400	ng/ul	0.06
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.959	96	8672	4.097	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.642	152	2507	0.114	ng/ul	0.00
18) Fluoranthene-d10	18.786	212	3451	0.268	ng/ul	0.02
Target Compounds						
						Qvalue
5) Naphthalene	10.091	128	32454	0.859	ng/ul	99
7) 2-Methylnaphthalene	11.719	142	48654	1.857	ng/ul	97
8) 1-Methylnaphthalene	11.945	142	14511	0.549	ng/ul	96
10) Acenaphthylene	13.671	152	6702	0.288	ng/ul#	57
11) Acenaphthene	14.018	153	1209	0.068	ng/ul#	69
12) Fluorene	15.022	166	6632	0.317	ng/ul#	84
14) Pentachlorophenol	16.396	266	864	0.521	ng/ul	95
15) Phenanthrene	16.772	178	73067	3.883	ng/ul#	89
16) Anthracene	16.861	178	38889	2.227	ng/ul#	77
19) Fluoranthene	18.819	202	50347	3.093	ng/ul#	90
20) Pyrene	19.186	202	52230	3.084	ng/ul#	89
21) Benzo(a)anthracene	20.970	228	29812	1.838	ng/ul#	52
22) Chrysene	21.023	228	51143	3.133	ng/ul#	63
24) Benzo(b)fluoranthene	22.483	252	61811m	3.747	ng/ul	
25) Benzo(k)fluoranthene	22.519	252	16410m	0.965	ng/ul	
26) Benzo(a)pyrene	23.016	252	28251m	1.874	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.171	276	31175m	1.531	ng/ul	
28) Dibenzo(a,h)anthracene	25.175	278	9130m	0.572	ng/ul	
29) Benzo(g,h,i)perylene	25.799	276	44417m	2.767	ng/ul	

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

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