

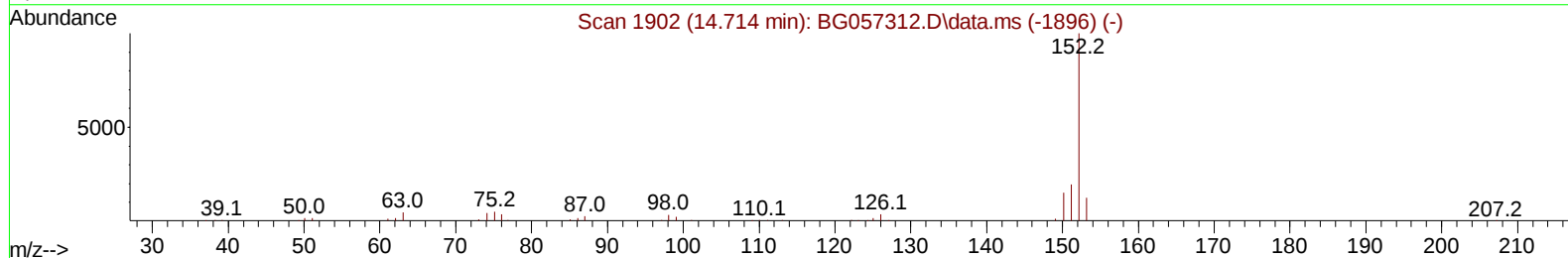
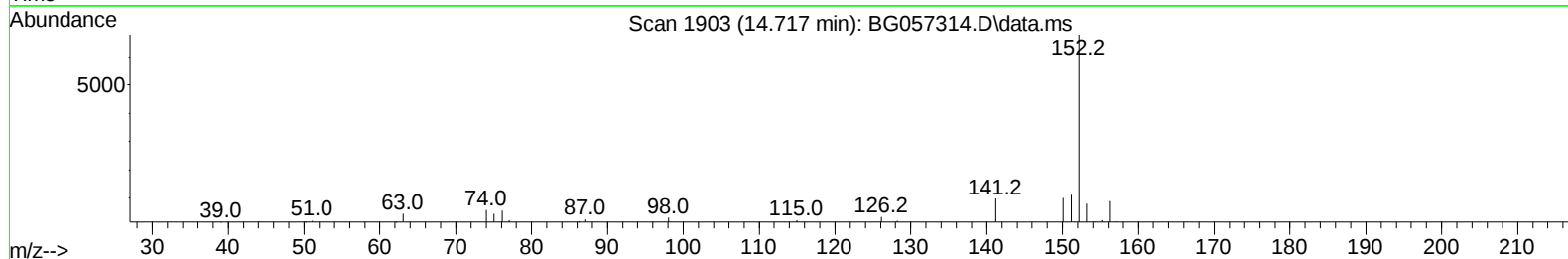
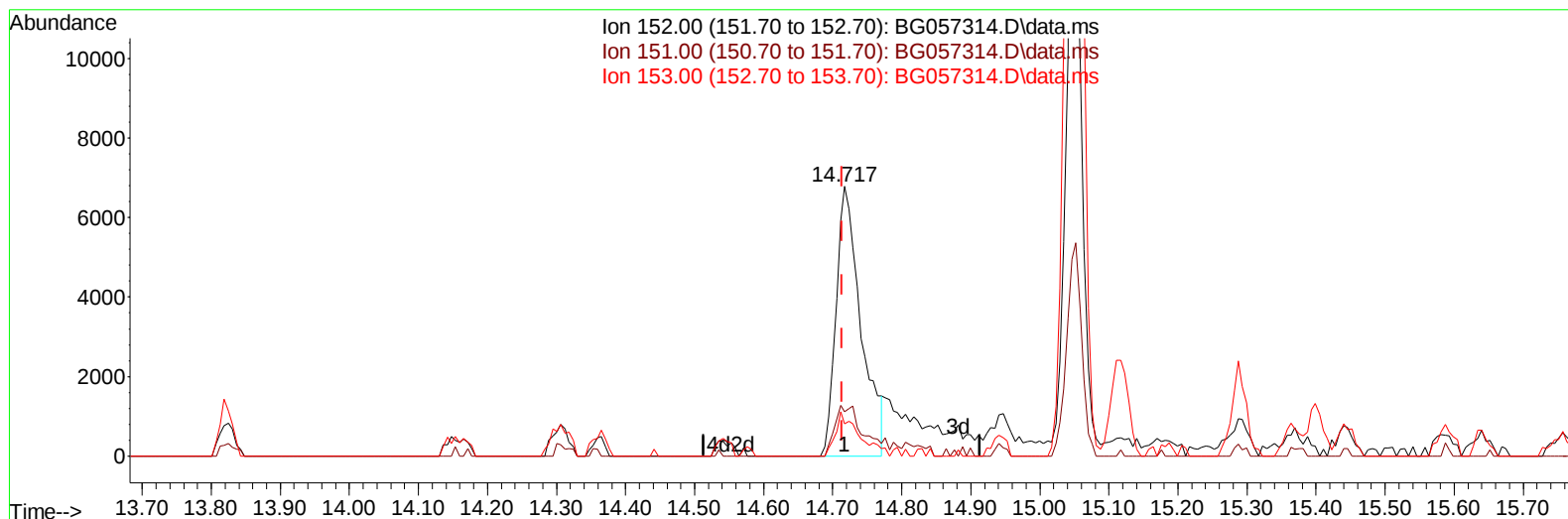
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
 Data File : BG057314.D
 Acq On : 5 May 2023 11:32
 Operator : CG/JU
 Sample : 02479-05 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW946

Manual IntegrationsAPPROVED

Reviewed By :Christian Giraldo 05/08/2023
 Supervised By :Jagrut Upadhyay 05/08/2023

Quant Time: May 05 23:53:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 05 11:20:08 2023
 Response via : Initial Calibration



TIC: BG057314.D\data.ms

(50) Acenaphthylene

14.717min (+ 0.004) 2.94 ng/ul

response 17007

Ion	Exp%	Act%
152.00	100.00	100.00
151.00	20.40	16.32#
153.00	12.60	11.95
0.00	0.00	0.00

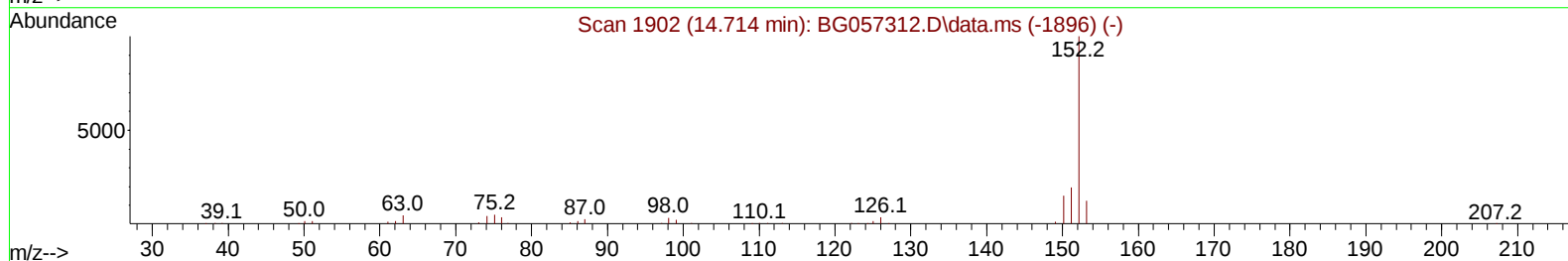
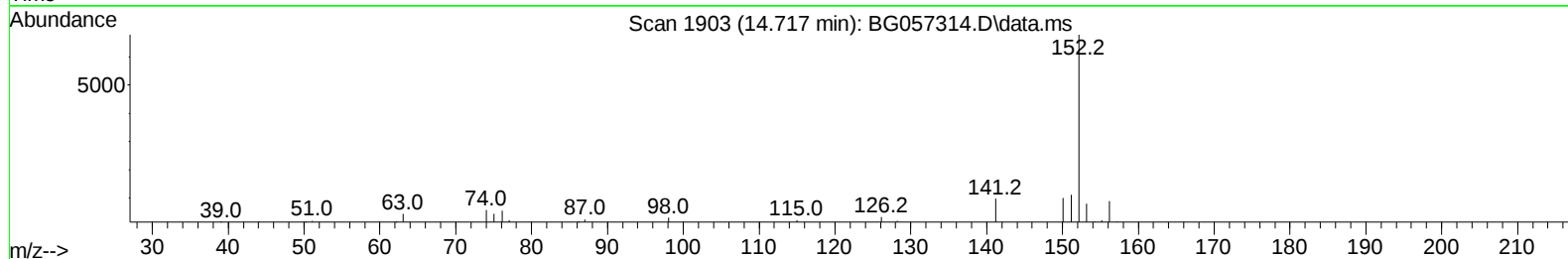
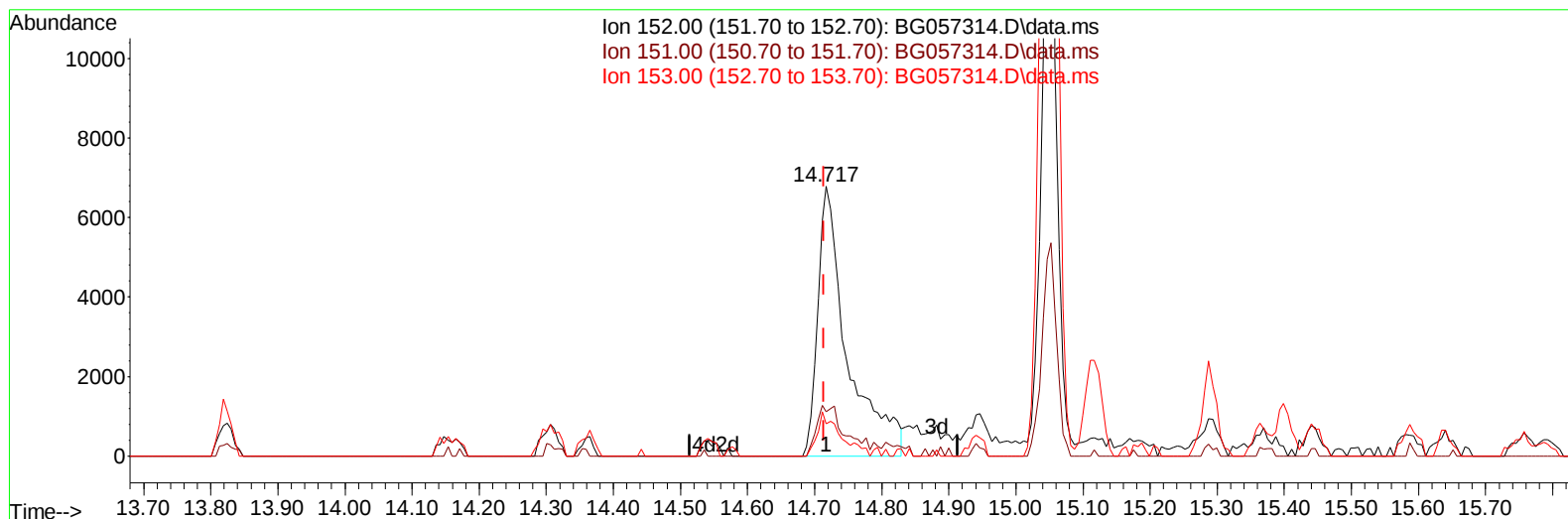
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
 Data File : BG057314.D
 Acq On : 5 May 2023 11:32
 Operator : CG/JU
 Sample : 02479-05 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW946

Manual IntegrationsAPPROVED

Quant Time: May 05 23:53:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 05 11:20:08 2023
 Response via : Initial Calibration

Reviewed By :Christian Giraldo 05/08/2023
 Supervised By :Jagrut Upadhyay 05/08/2023



TIC: BG057314.D\data.ms

(50) Acenaphthylene

14.717min (+ 0.004) 3.58 ng/ul m

response 20701

Ion	Exp%	Act%
152.00	100.00	100.00
151.00	20.40	16.32#
153.00	12.60	11.95
0.00	0.00	0.00

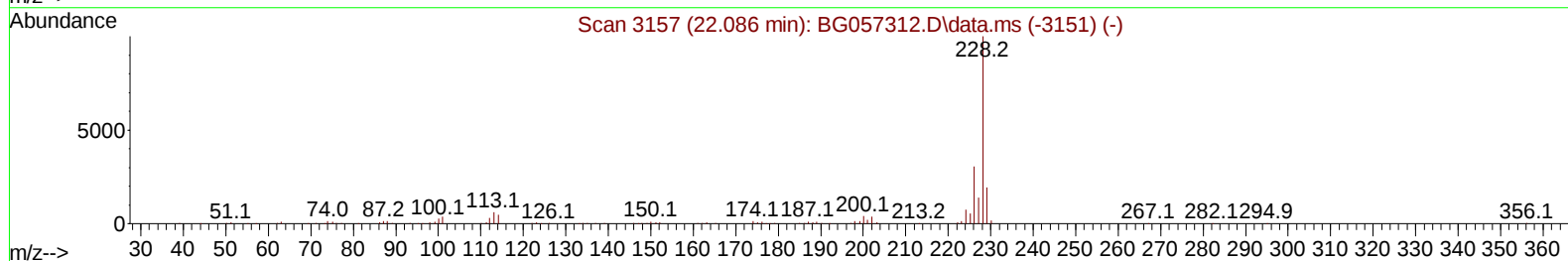
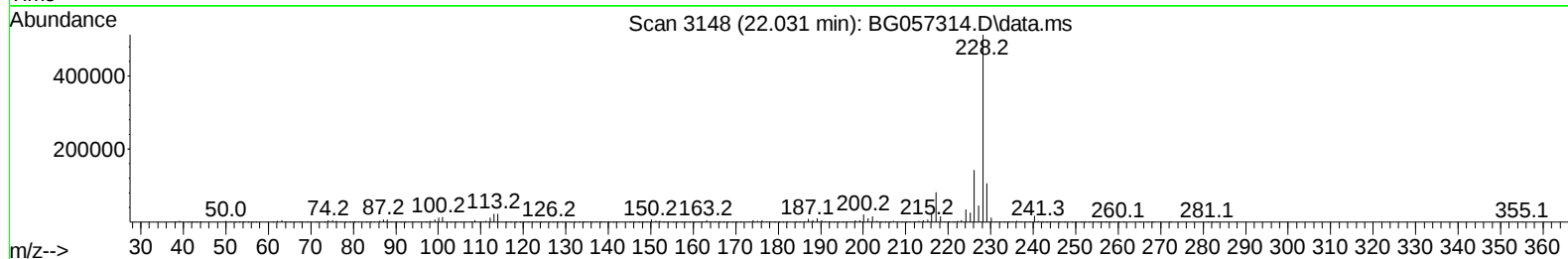
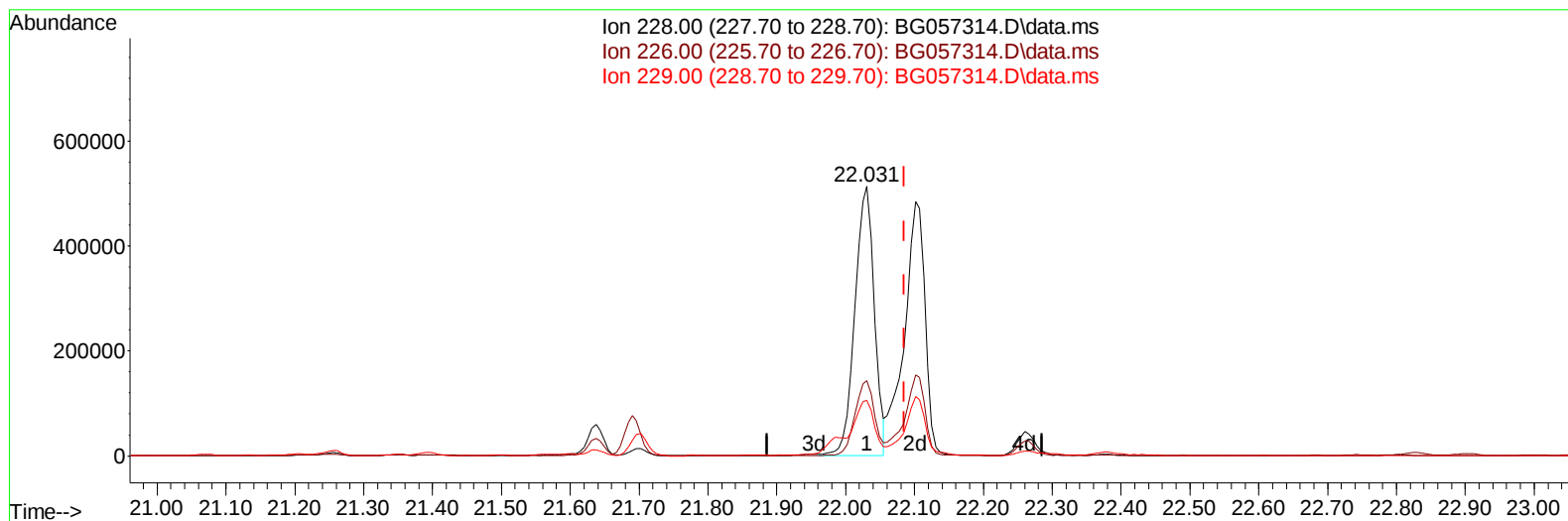
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
 Data File : BG057314.D
 Acq On : 5 May 2023 11:32
 Operator : CG/JU
 Sample : 02479-05 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW946

Manual IntegrationsAPPROVED

Reviewed By :Christian Giraldo 05/08/2023
 Supervised By :Jagrut Upadhyay 05/08/2023

Quant Time: May 06 00:07:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 05 11:20:08 2023
 Response via : Initial Calibration



TIC: BG057314.D\data.ms

(87) Chrysene

22.031min (-0.055) 120.17 ng/u1

response 999819

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	28.50	27.90
229.00	19.40	20.72
0.00	0.00	0.00

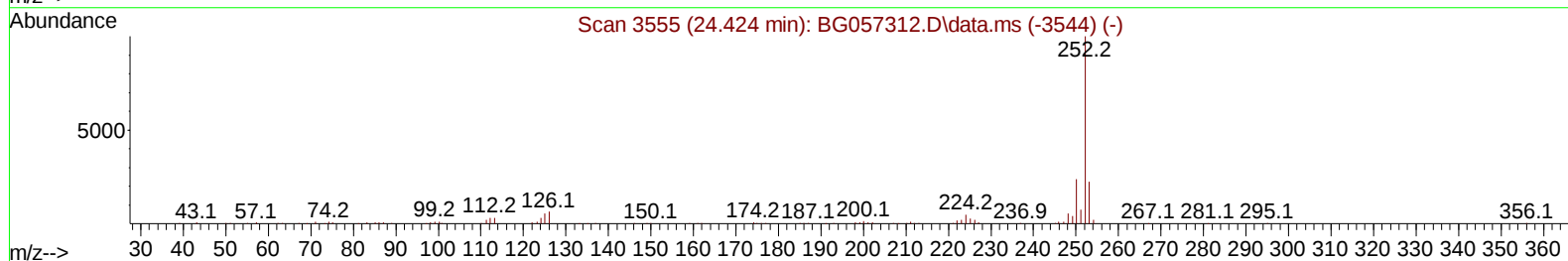
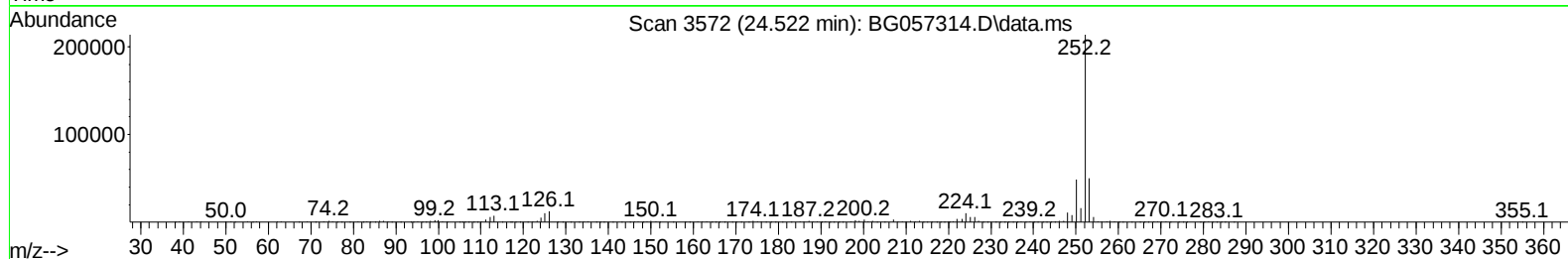
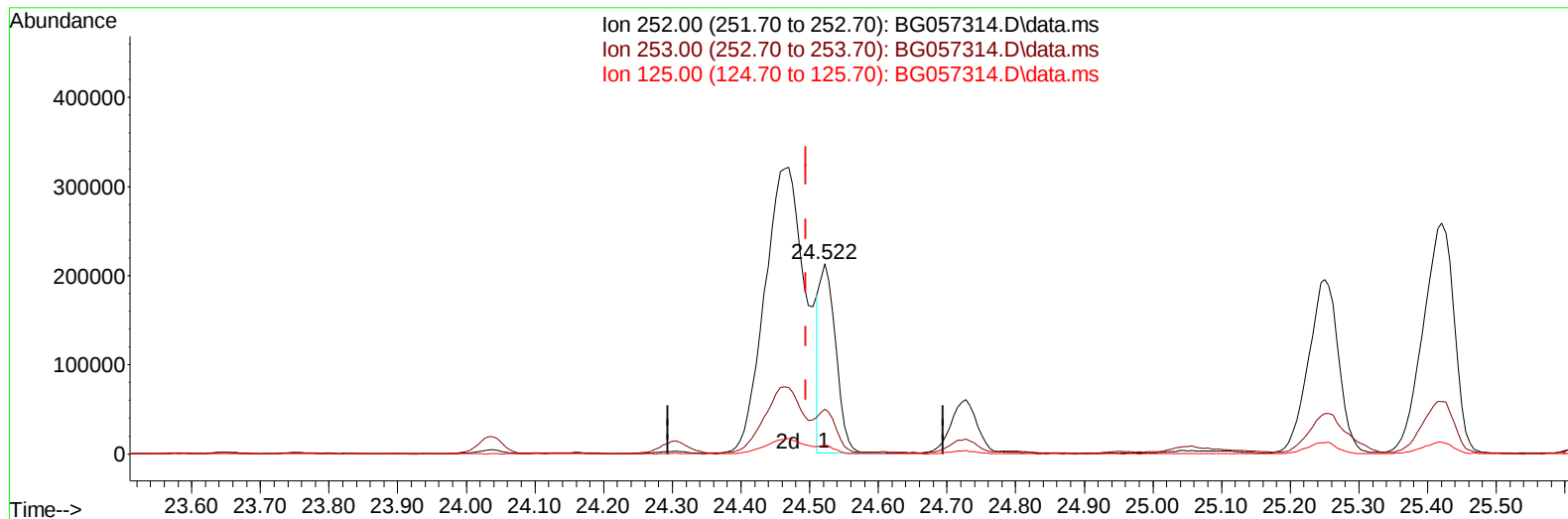
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
Data File : BG057314.D
Acq On : 5 May 2023 11:32
Operator : CG/JU
Sample : 02479-05 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW946

Manual IntegrationsAPPROVED

Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

Quant Time: May 06 00:08:08 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 05 11:20:08 2023
Response via : Initial Calibration



TIC: BG057314.D\data.ms

(91) Benzo(k)fluoranthene

24.522min (+ 0.027) 37.16 ng/u1

response 345381

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.10	23.54
125.00	5.60	4.87
0.00	0.00	0.00

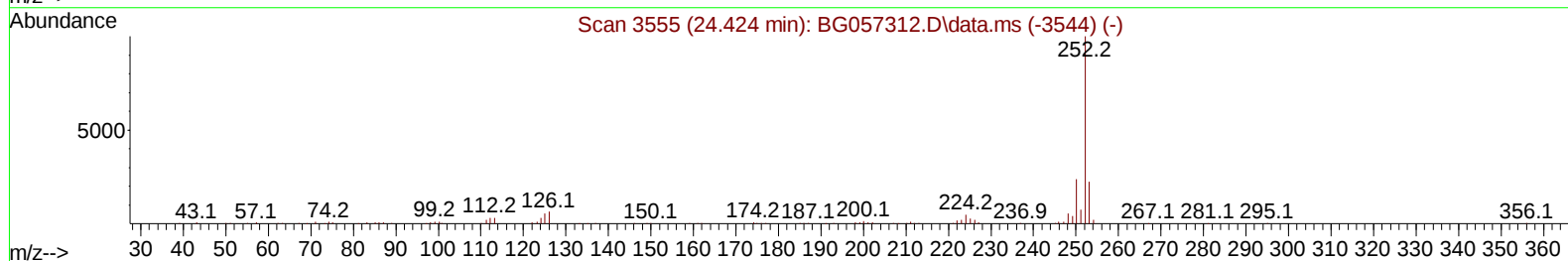
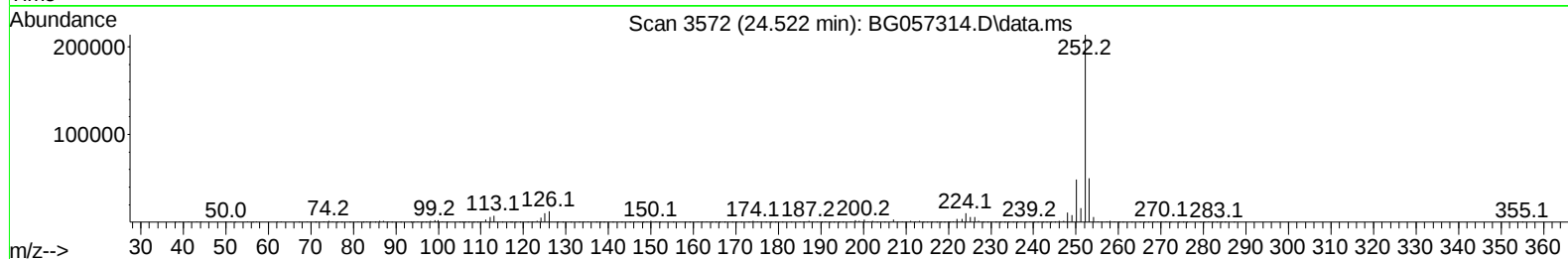
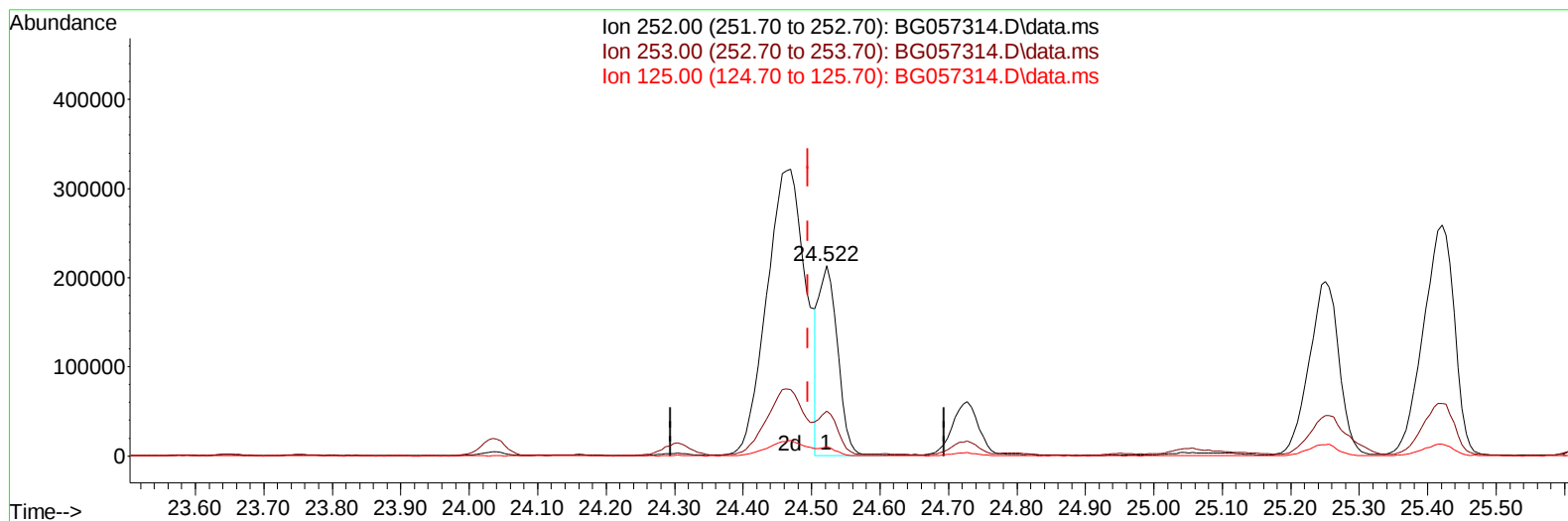
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
Data File : BG057314.D
Acq On : 5 May 2023 11:32
Operator : CG/JU
Sample : 02479-05 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW946

Manual IntegrationsAPPROVED

Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

Quant Time: May 06 00:08:08 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 05 11:20:08 2023
Response via : Initial Calibration



TIC: BG057314.D\data.ms

(91) Benzo(k)fluoranthene

24.522min (+ 0.027) 44.24 ng/ul m

response 411222

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.10	23.54
125.00	5.60	4.87
0.00	0.00	0.00

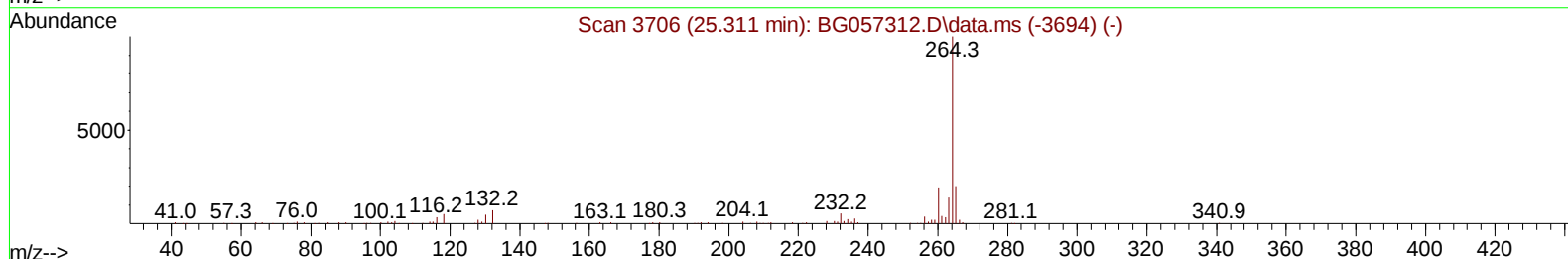
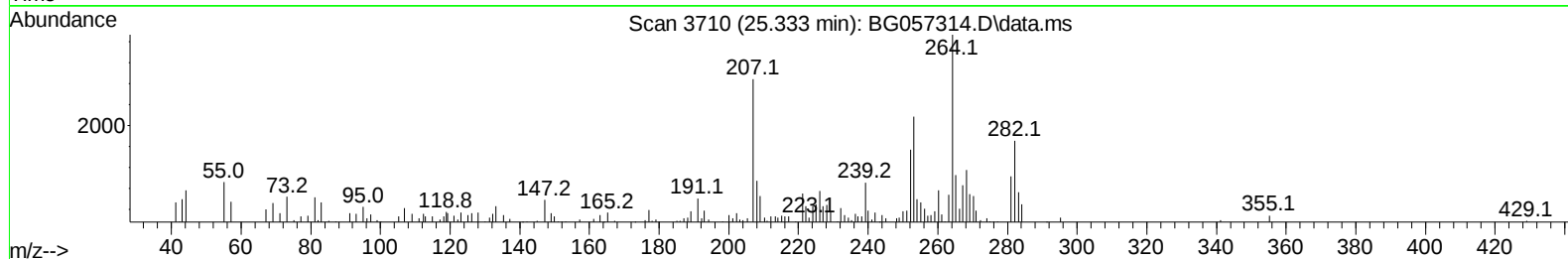
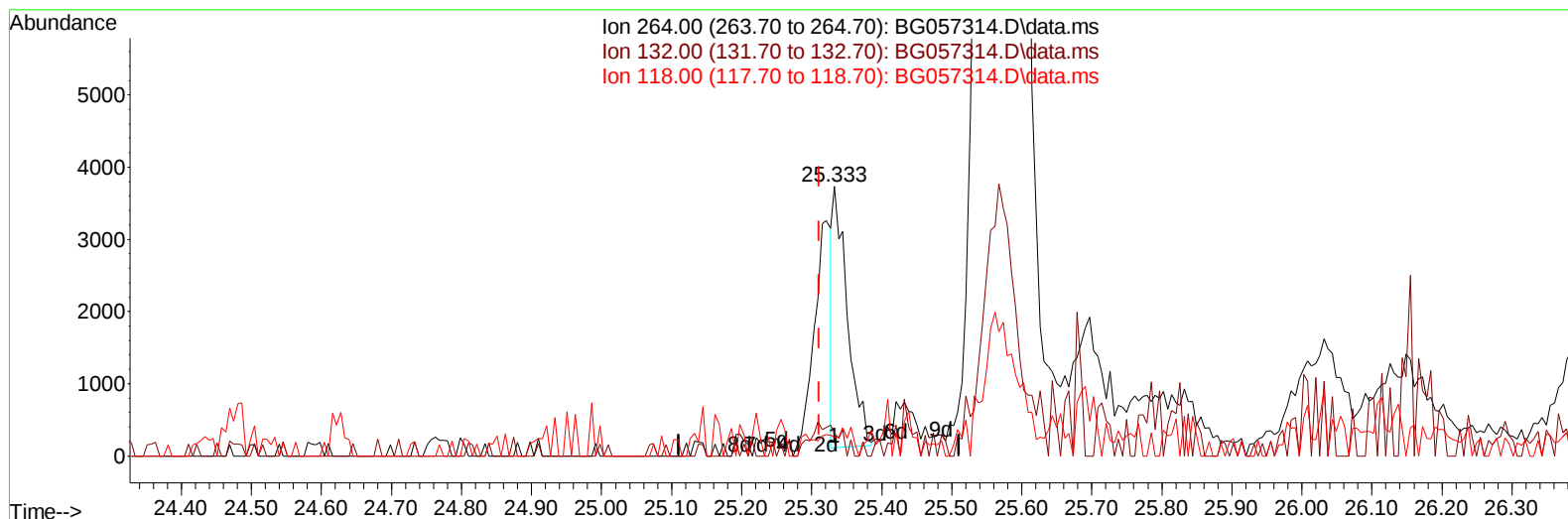
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
 Data File : BG057314.D
 Acq On : 5 May 2023 11:32
 Operator : CG/JU
 Sample : 02479-05 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW946

Manual IntegrationsAPPROVED

Quant Time: May 06 00:08:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 05 11:20:08 2023
 Response via : Initial Calibration

Reviewed By :Christian Giraldo 05/08/2023
 Supervised By :Jagrut Upadhyay 05/08/2023



TIC: BG057314.D\data.ms

(92) Benzo(a)pyrene-d12 (S)

25.333min (+ 0.021) 0.74 ng/u1

response 5205

Ion	Exp%	Act%
264.00	100.00	100.00
132.00	7.70	8.44
118.00	6.30	6.99
0.00	0.00	0.00

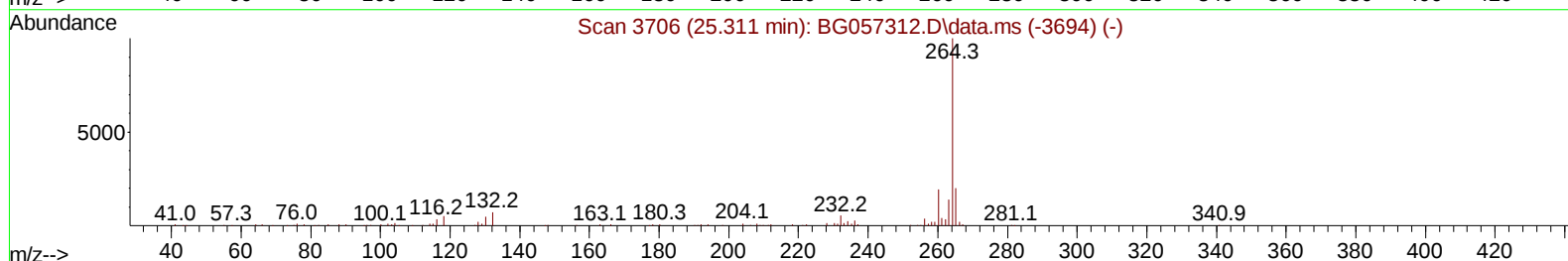
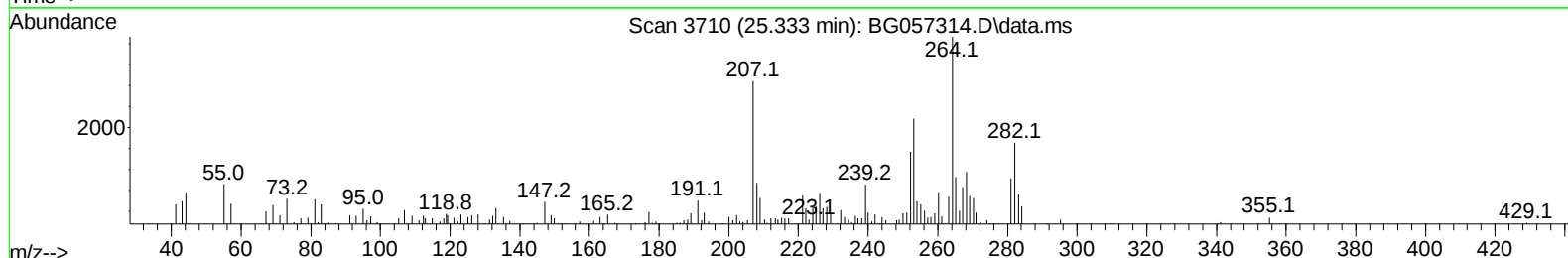
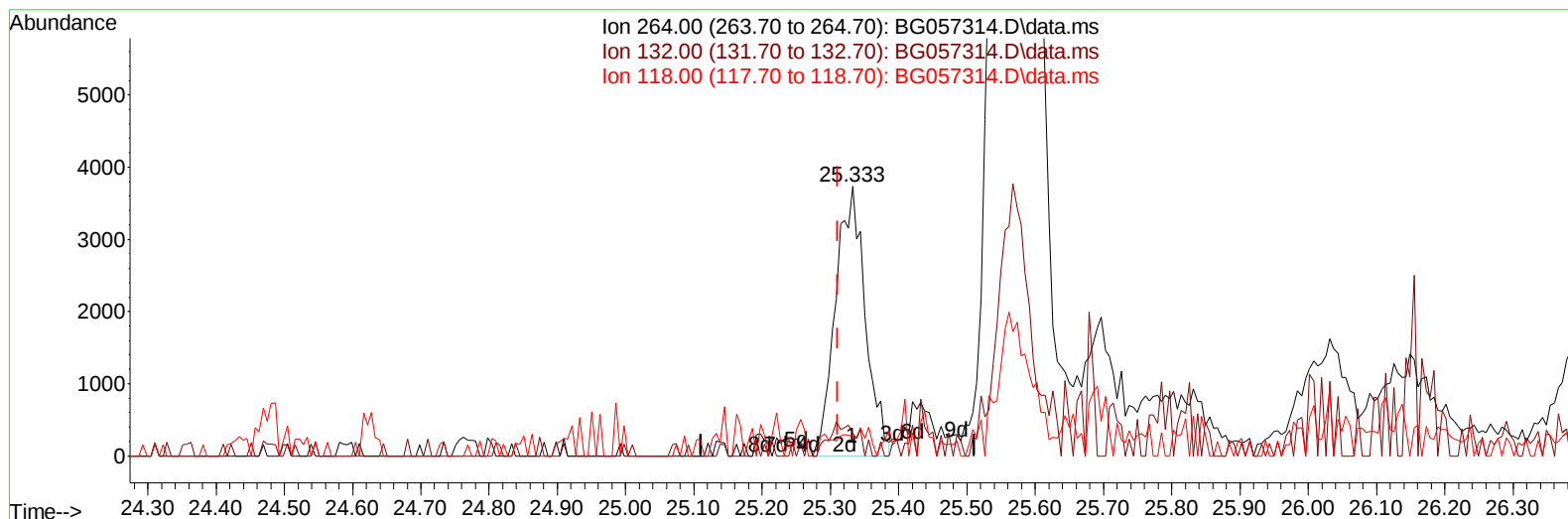
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
Data File : BG057314.D
Acq On : 5 May 2023 11:32
Operator : CG/JU
Sample : 02479-05 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW946

Manual IntegrationsAPPROVED

Quant Time: May 06 00:08:08 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 05 11:20:08 2023
Response via : Initial Calibration

Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



TIC: BG057314.D\data.ms

(92) Benzo(a)pyrene-d12 (S)

25.333min (+ 0.021) 1.60 ng/ul m

response 11233

Ion	Exp%	Act%
264.00	100.00	100.00
132.00	7.70	8.44
118.00	6.30	6.99
0.00	0.00	0.00

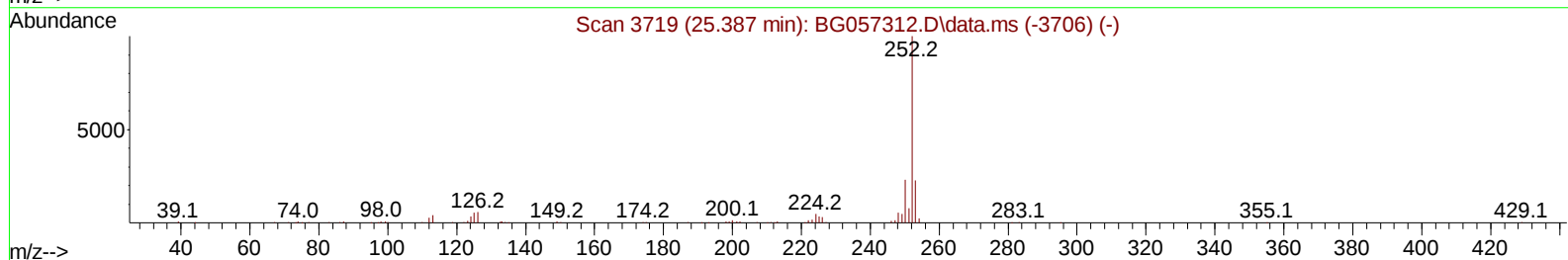
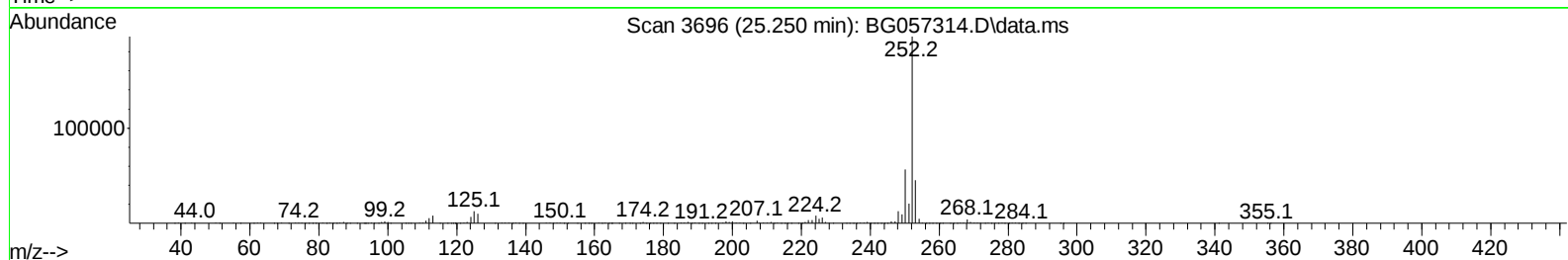
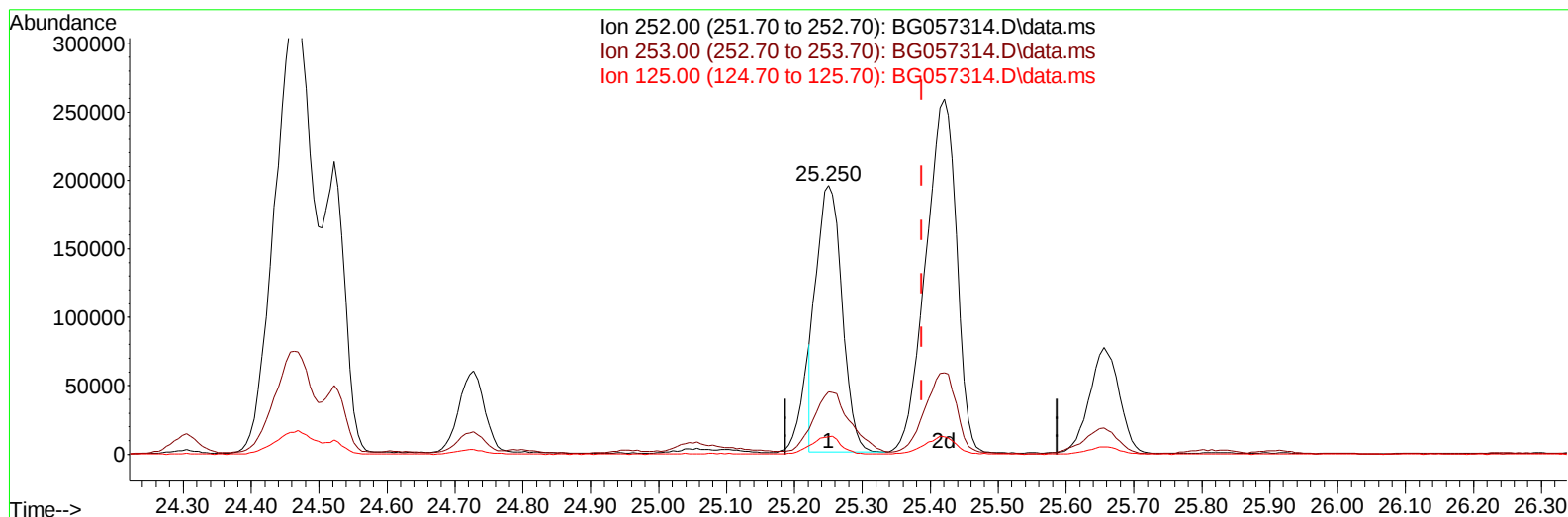
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
Data File : BG057314.D
Acq On : 5 May 2023 11:32
Operator : CG/JU
Sample : 02479-05 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW946

Manual IntegrationsAPPROVED

Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

Quant Time: May 06 00:09:42 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 05 11:20:08 2023
Response via : Initial Calibration



TIC: BG057314.D\data.ms

(93) Benzo(a)pyrene (C)

25.250min (-0.137) 62.14 ng/u1

response 512574

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.50	23.13
125.00	6.40	6.58
0.00	0.00	0.00

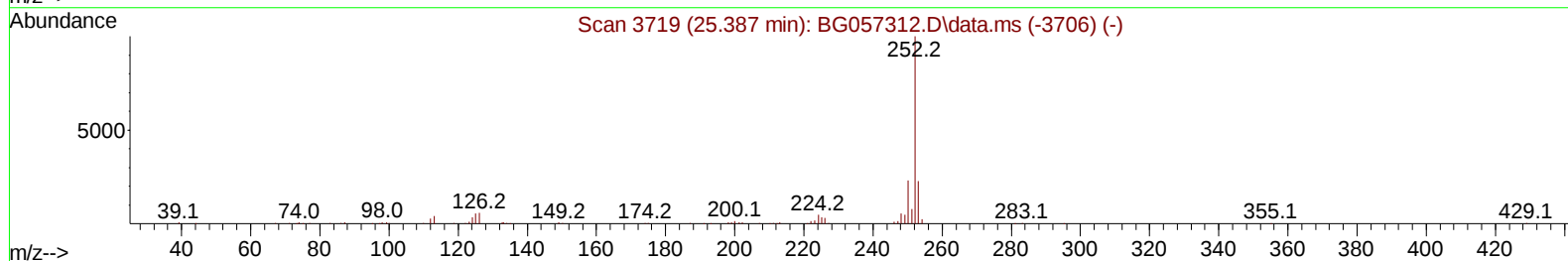
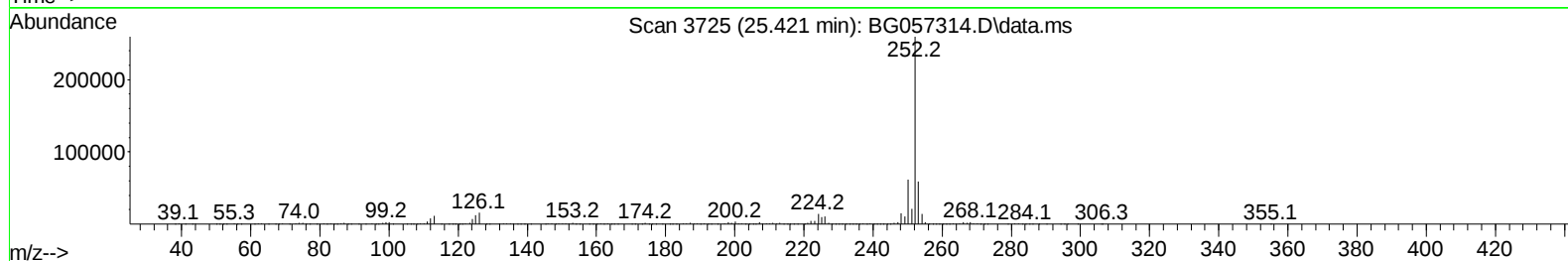
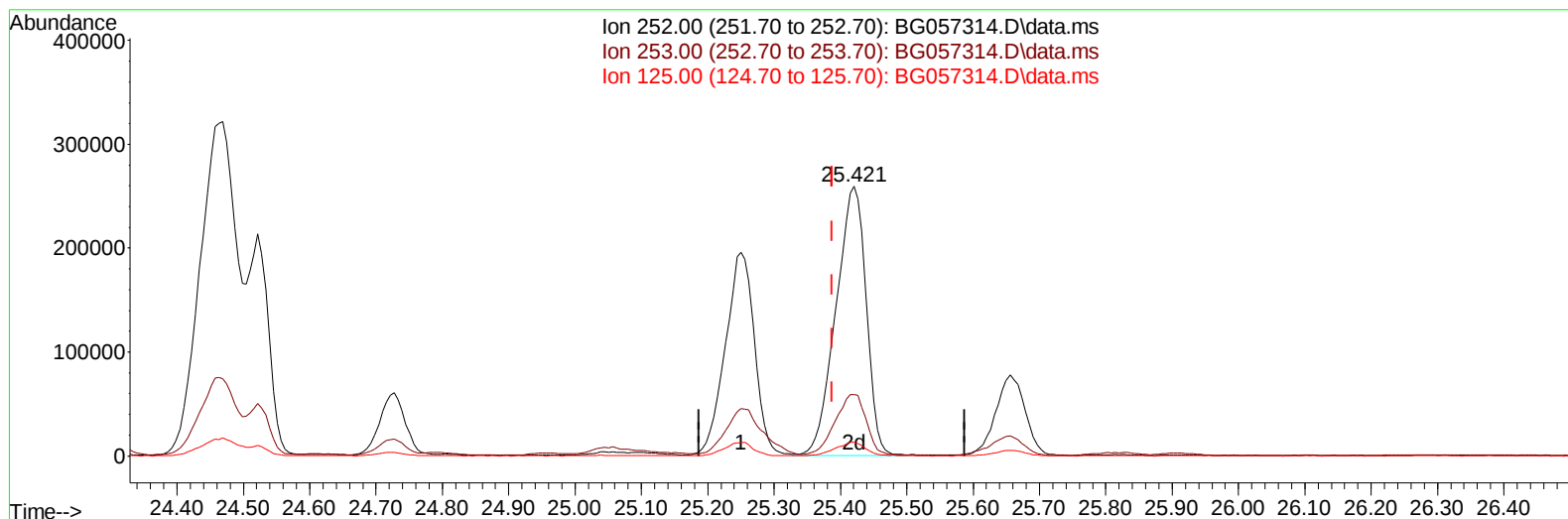
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
Data File : BG057314.D
Acq On : 5 May 2023 11:32
Operator : CG/JU
Sample : 02479-05 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW946

Manual IntegrationsAPPROVED

Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

Quant Time: May 06 00:09:42 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 05 11:20:08 2023
Response via : Initial Calibration



TIC: BG057314.D\data.ms

(93) Benzo(a)pyrene (C)

25.421min (+ 0.033) 99.98 ng/ul m

response 824685

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.50	22.83
125.00	6.40	4.98#
0.00	0.00	0.00

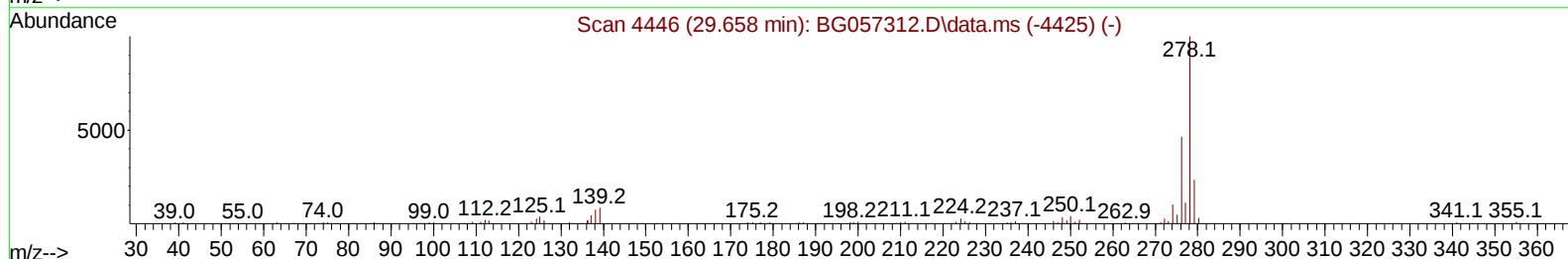
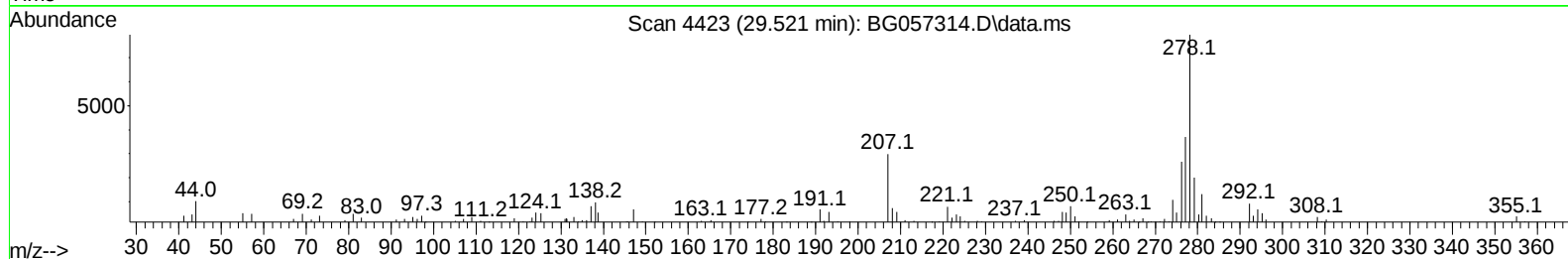
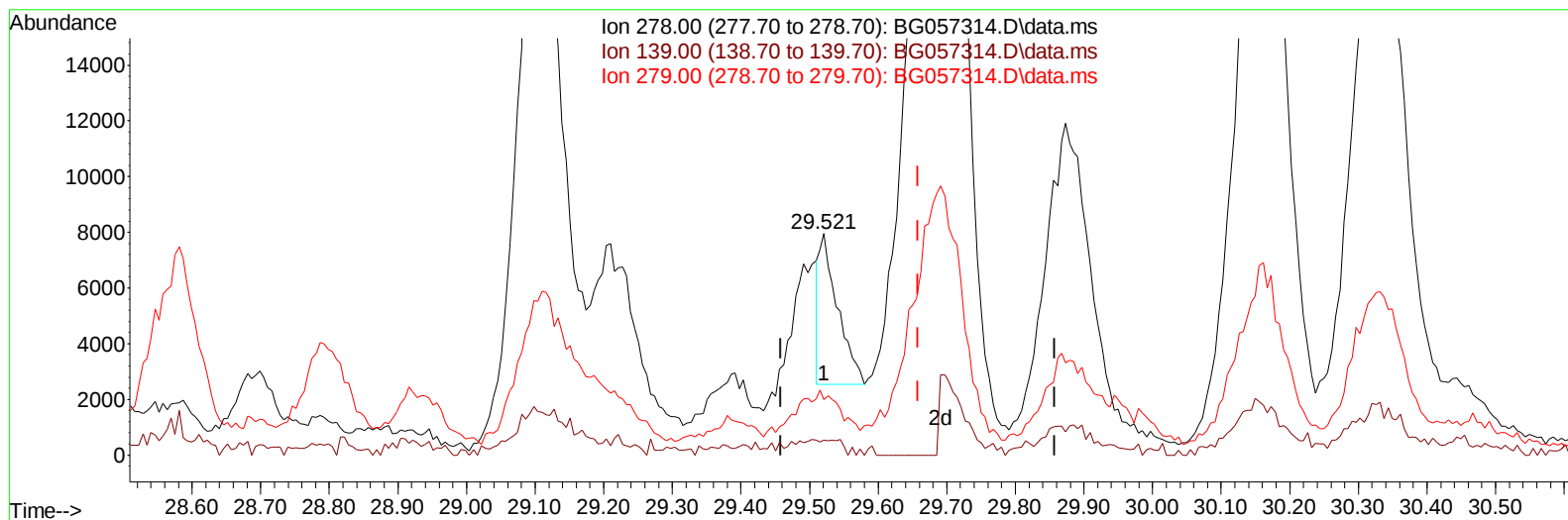
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
 Data File : BG057314.D
 Acq On : 5 May 2023 11:32
 Operator : CG/JU
 Sample : 02479-05 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW946

Manual IntegrationsAPPROVED

Quant Time: May 06 00:10:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 05 11:20:08 2023
 Response via : Initial Calibration

Reviewed By :Christian Giraldo 05/08/2023
 Supervised By :Jagrut Upadhyay 05/08/2023



TIC: BG057314.D\data.ms

(95) Dibenzo(a,h)anthracene

29.521min (-0.137) 1.20 ng/u1

response 10217

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	7.20	6.85
279.00	22.90	25.08
0.00	0.00	0.00

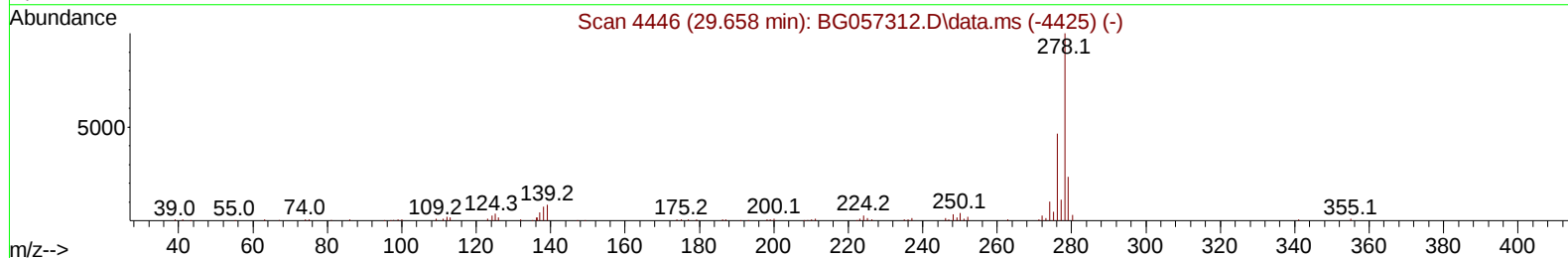
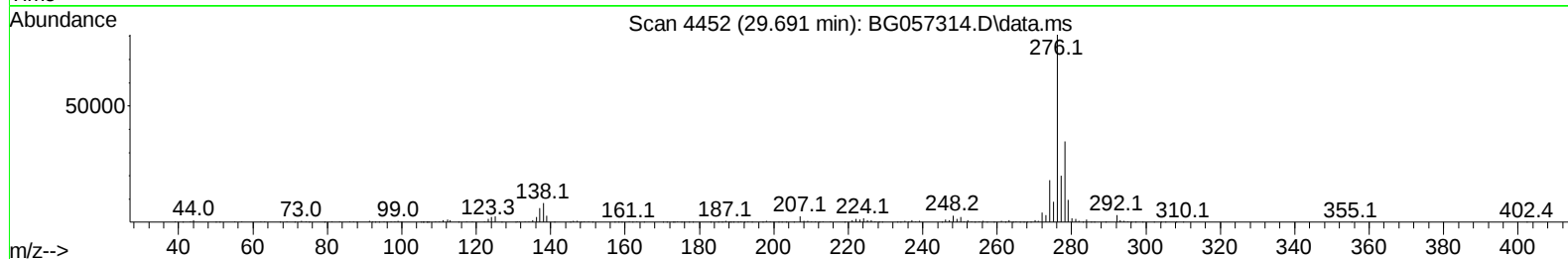
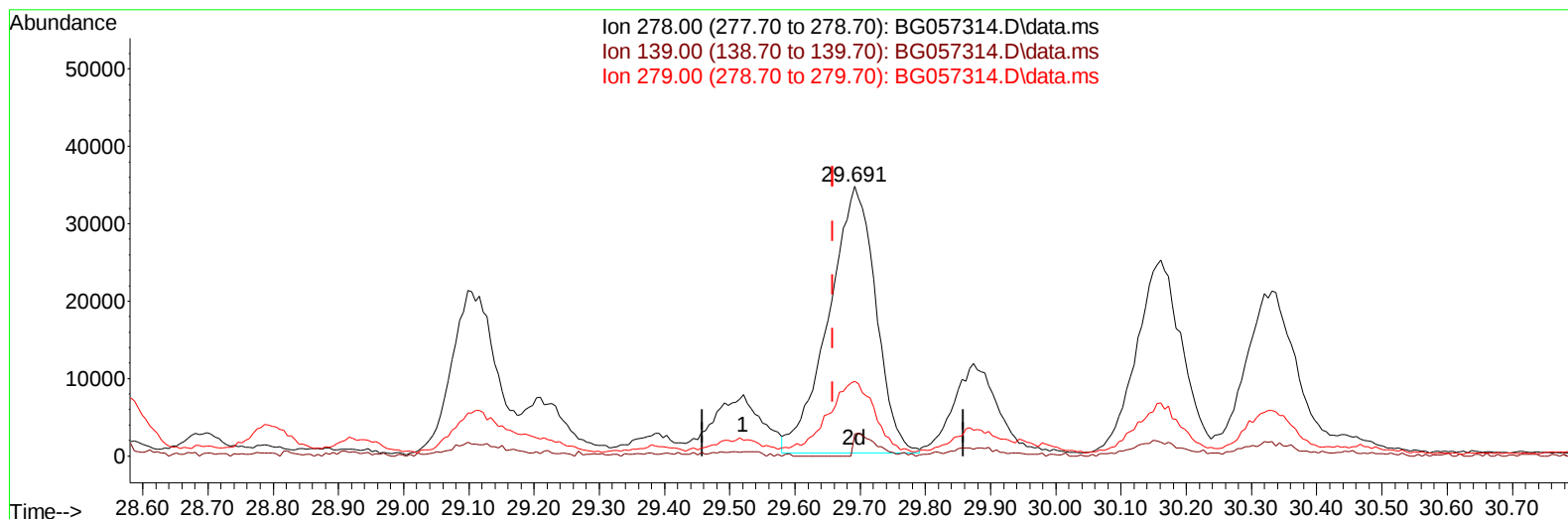
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
Data File : BG057314.D
Acq On : 5 May 2023 11:32
Operator : CG/JU
Sample : 02479-05 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW946

Manual IntegrationsAPPROVED

Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

Quant Time: May 06 00:10:23 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 05 11:20:08 2023
Response via : Initial Calibration



TIC: BG057314.D\data.ms

(95) Dibenzo(a,h)anthracene

29.691min (+ 0.033) 20.35 ng/ul m

response 173999

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	7.20	8.27
279.00	22.90	27.73#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
 Data File : BG057314.D
 Acq On : 5 May 2023 11:32
 Operator : CG/JU
 Sample : 02479-05 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW946

Manual IntegrationsAPPROVED

Quant Time: May 06 00:10:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 05 11:20:08 2023
 Response via : Initial Calibration

Reviewed By :Christian Giraldo 05/08/2023
 Supervised By :Jagrut Upadhyay 05/08/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.373	152	17189	20.000	ng/ul	0.00
20) Naphthalene-d8	11.210	136	78024	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.988	164	63885	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.725	188	142290	20.000	ng/ul	0.00
79) Chrysene-d12	22.049	240	124689	20.000	ng/ul	0.00
88) Perylene-d12	25.573	264	137967	20.000	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0	0.000	ng/uL	
4) Pyridine-d5	0.000	84	0d	0.000	ng/ul	
7) Phenol-d5	7.521	99	1777	1.093	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.674	67	1061	1.110	ng/ul	0.00
11) 2-Chlorophenol-d4	7.903	132	1313	1.226	ng/ul	0.00
15) 4-Methylphenol-d8	9.072	113	1578	1.277	ng/ul	0.00
21) Nitrobenzene-d5	9.554	128	515	0.829	ng/ul	0.00
24) 2-Nitrophenol-d4	10.282	143	733	1.011	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.840	165	1798	1.285	ng/ul	0.02
31) 4-Chloroaniline-d4	11.346	131	860	0.464	ng/ul	0.00
46) Dimethylphthalate-d6	14.365	166	6666	1.317	ng/ul	0.00
49) Acenaphthylene-d8	14.688	160	8209	1.443	ng/ul	0.00
54) 4-Nitrophenol-d4	15.217	143	227	0.308	ng/ul	0.04
60) Fluorene-d10	15.969	176	6818	1.446	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0	0.000	ng/ul	
73) Anthracene-d10	17.825	188	10295	1.585	ng/ul	0.00
81) Pyrene-d10	20.093	212	11773	1.591	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.333	264	11233m	1.598	ng/ul	0.02
Target Compounds						
					Qvalue	
30) Naphthalene	11.257	128	20756	4.845	ng/ul	97
36) 2-Methylnaphthalene	12.838	142	11217	3.570	ng/ul	97
37) 1-Methylnaphthalene	13.055	142	10655	3.373	ng/ul	91
50) Acenaphthylene	14.717	152	20701m	3.581	ng/ul	
52) Acenaphthene	15.046	153	46117	11.195	ng/ul	97
56) Dibenzofuran	15.381	168	53512	8.996	ng/ul	96
61) Fluorene	16.027	166	79551	15.815	ng/ul	99
72) Phenanthrene	17.778	178	1212694	163.661	ng/ul	97
74) Anthracene	17.860	178	244150	32.802	ng/ul	100
77) Carbazole	18.125	167	109642	17.627	ng/ul	99
80) Fluoranthene	19.775	202	2030249	230.928	ng/ul	98
82) Pyrene	20.134	202	1665720	187.156	ng/ul	98
85) Benzo(a)anthracene	22.031	228	999819	113.376	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.861	149	24308	5.864	ng/ul	94
87) Chrysene	22.102	228	1019394m	122.522	ng/ul	
90) Benzo(b)fluoranthene	24.469	252	1265182	132.423	ng/ul	96
91) Benzo(k)fluoranthene	24.522	252	411222m	44.241	ng/ul	
93) Benzo(a)pyrene	25.421	252	824685m	99.983	ng/ul	
94) Indeno(1,2,3-cd)pyrene	29.668	276	562988	54.603	ng/ul	96
95) Dibenzo(a,h)anthracene	29.691	278	173999m	20.352	ng/ul	
96) Benzo(g,h,i)perylene	30.943	276	459394	55.053	ng/ul	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
 Data File : BG057314.D
 Acq On : 5 May 2023 11:32
 Operator : CG/JU
 Sample : 02479-05 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW946

Manual IntegrationsAPPROVED

Reviewed By :Christian Giraldo 05/08/2023
 Supervised By :Jagrut Upadhyay 05/08/2023

Quant Time: May 06 00:10:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 05 11:20:08 2023
 Response via : Initial Calibration

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

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

