

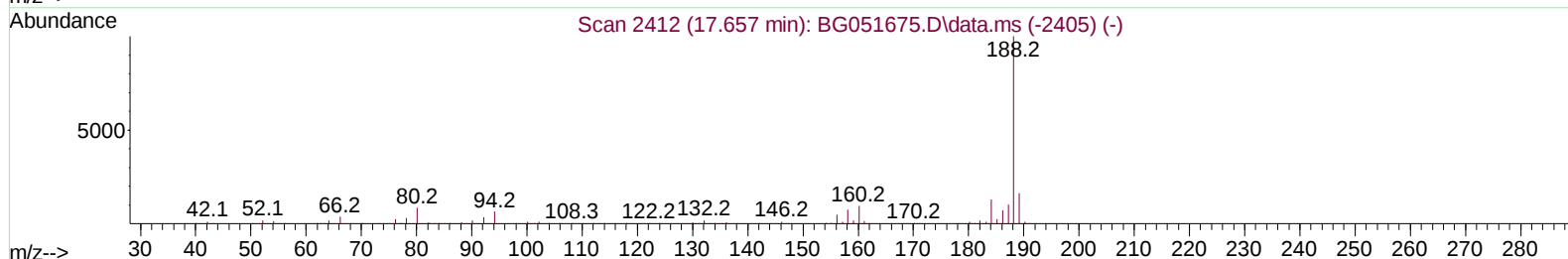
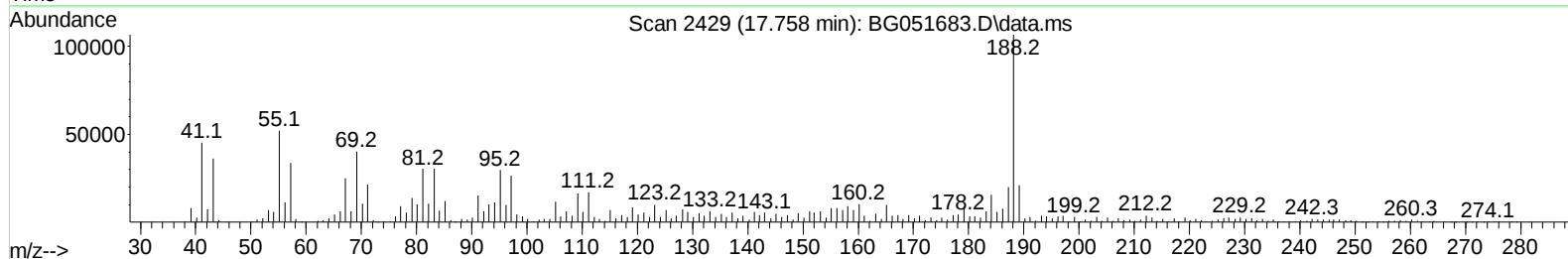
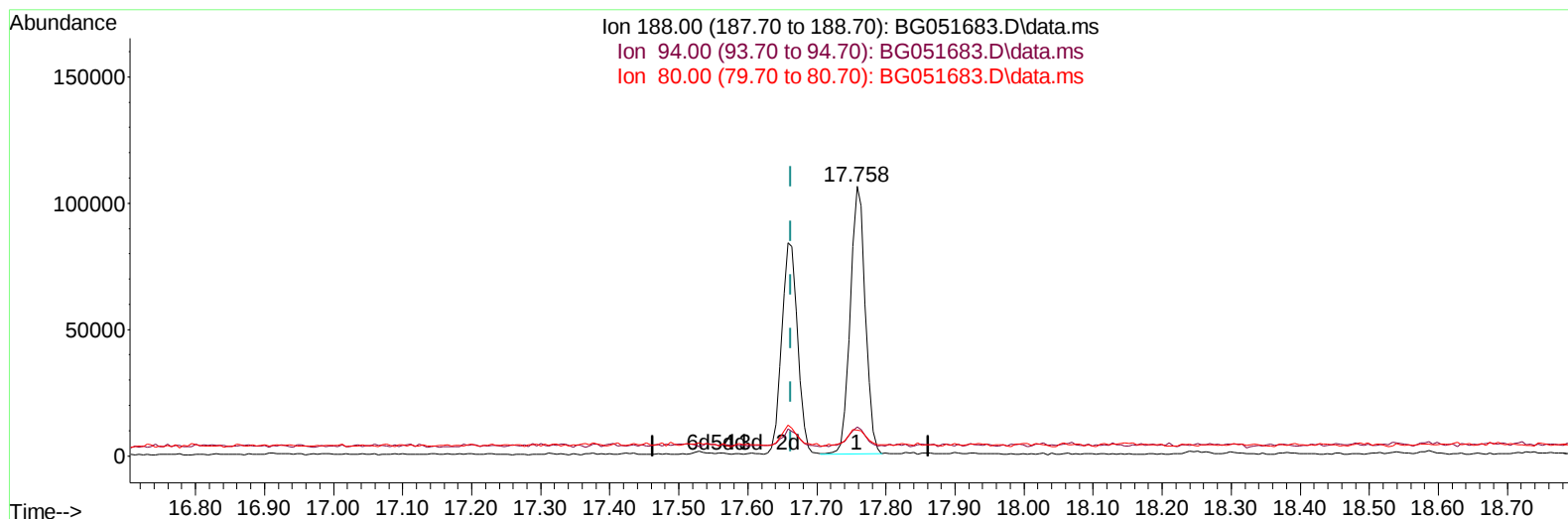
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122021\
 Data File : BG051683.D
 Acq On : 20 Dec 2021 16:07
 Operator : CG/JU
 Sample : M5171-14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BGLB0

Manual IntegrationsAPPROVED

Quant Time: Dec 20 23:11:00 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121421.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 14 14:19:57 2021
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/21/2021
 Supervised By :mohammad ahmed 12/28/2021



TIC: BG051683.D\data.ms

(64) Phenanthrene-d10 (I)

17.758min (+ 0.096) 20.00 ng/u1

response 159870

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.50	10.82
80.00	11.40	9.59
0.00	0.00	0.00

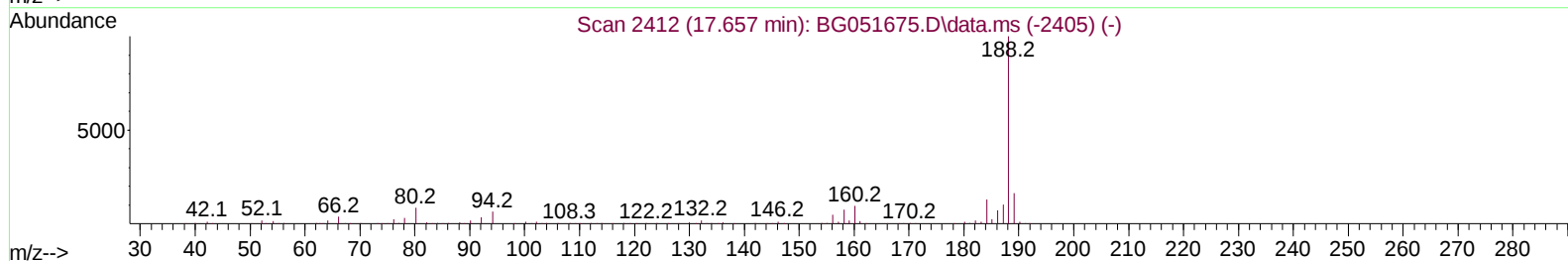
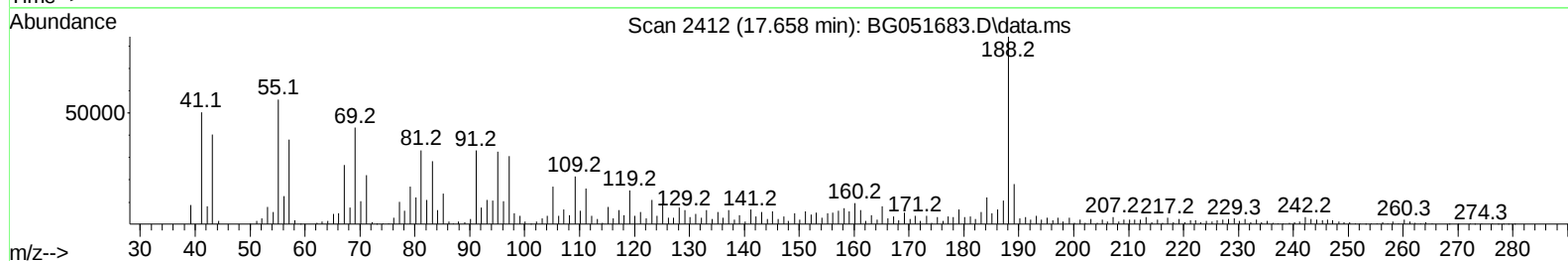
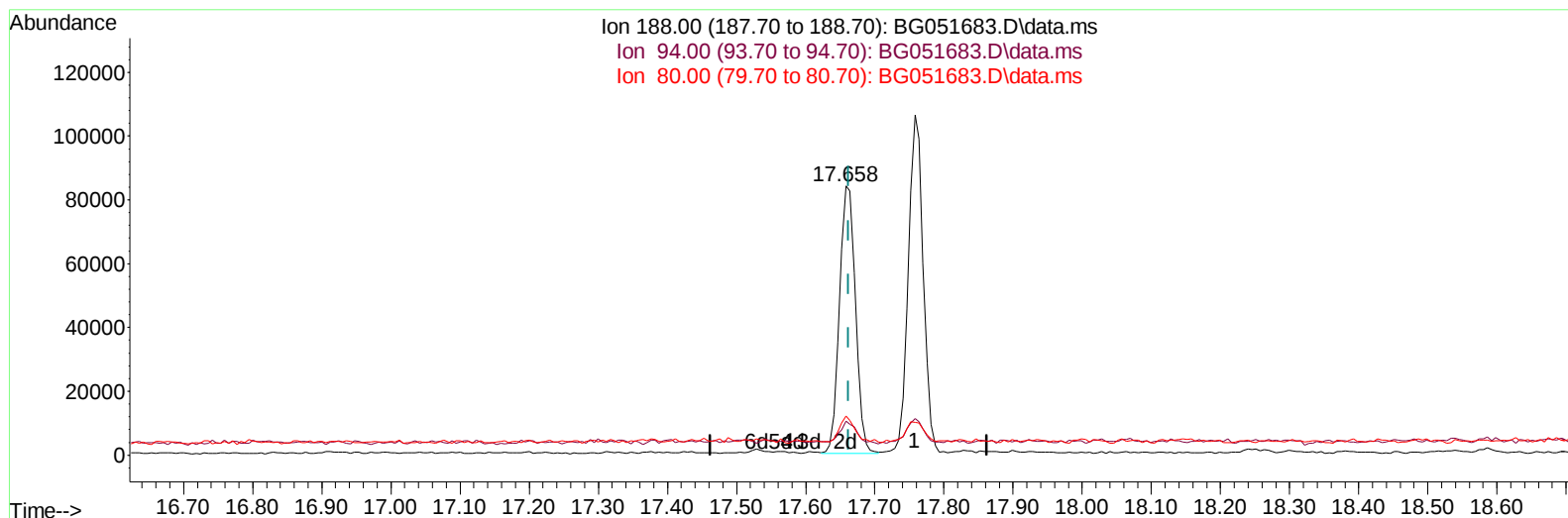
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122021\
 Data File : BG051683.D
 Acq On : 20 Dec 2021 16:07
 Operator : CG/JU
 Sample : M5171-14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BGLB0

Manual IntegrationsAPPROVED

Quant Time: Dec 20 23:11:00 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121421.M
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Reviewed By :Jagrut Upadhyay 12/21/2021
 Supervised By :mohammad ahmed 12/28/2021



TIC: BG051683.D\data.ms

(64) Phenanthrene-d10 (I)

17.658min (-0.004) 20.00 ng/ul m

response 134647

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.50	12.65#
80.00	11.40	14.43#
0.00	0.00	0.00

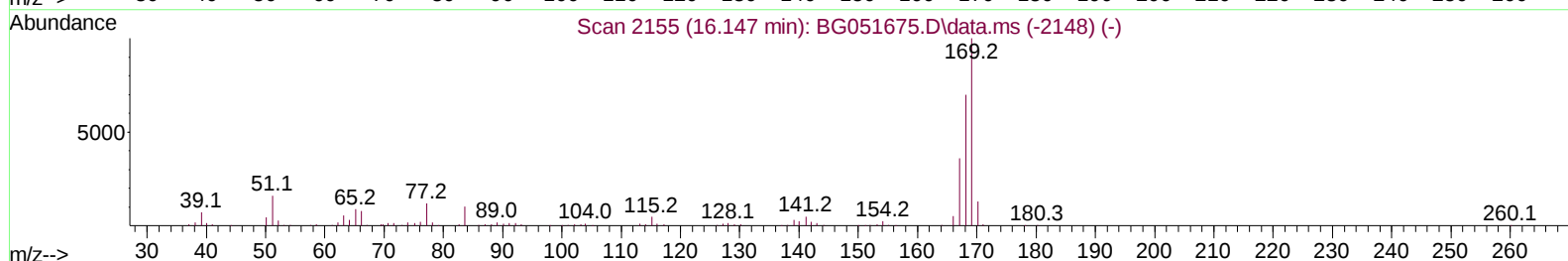
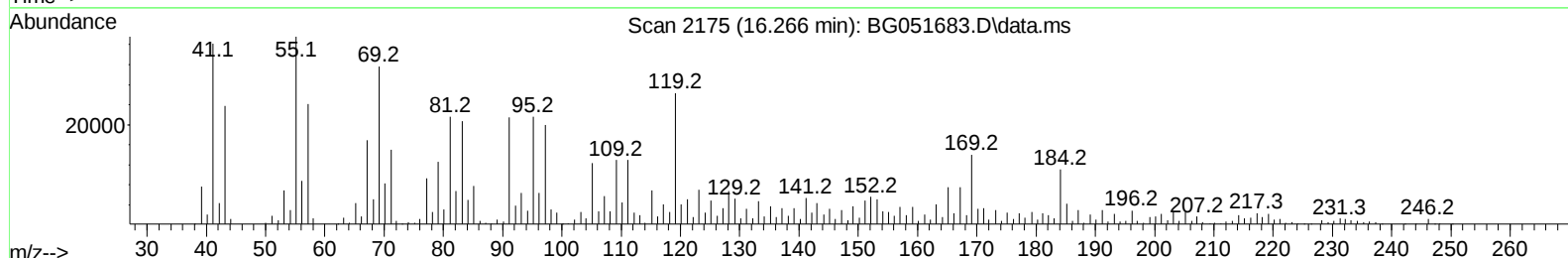
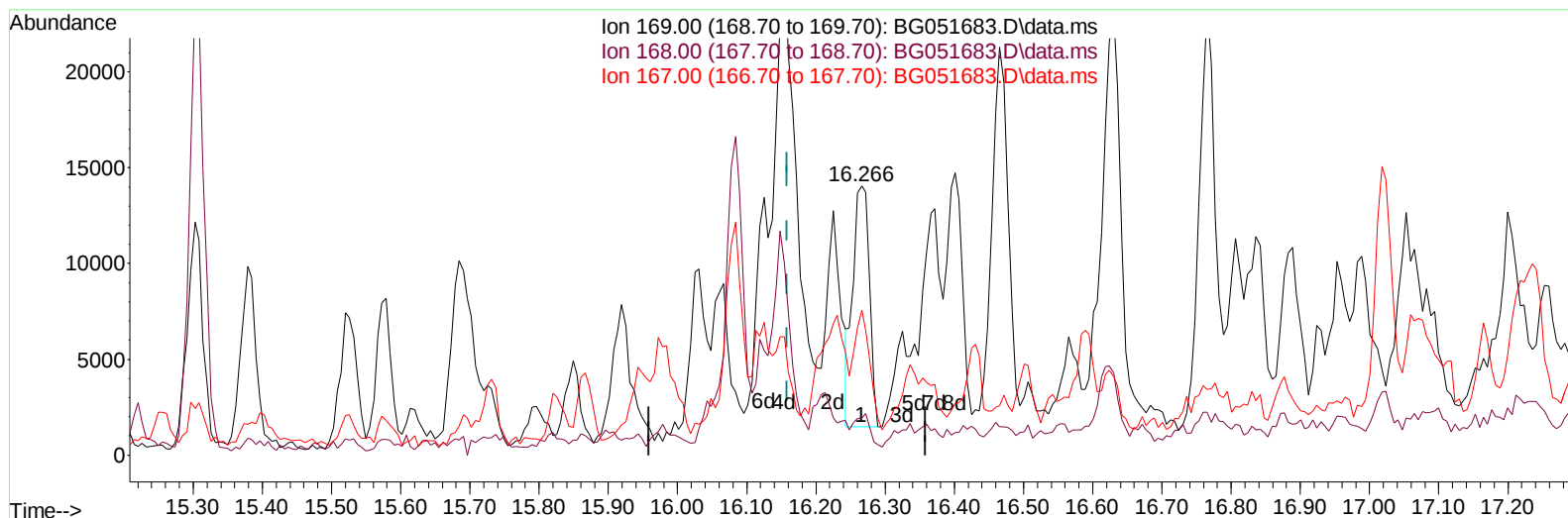
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122021\
Data File : BG051683.D
Acq On : 20 Dec 2021 16:07
Operator : CG/JU
Sample : M5171-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BGLB0

Manual IntegrationsAPPROVED

Quant Time: Dec 20 23:11:00 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121421.M
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QLast Update : Tue Dec 14 14:19:57 2021
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TIC: BG051683.D\data.ms

(67) N-Nitrosodiphenylamine

16.266min (+ 0.107) 5.81 ng/u1

response 21056

Ion	Exp%	Act%
169.00	100.00	100.00
168.00	73.10	13.80#
167.00	39.10	53.80#
0.00	0.00	0.00

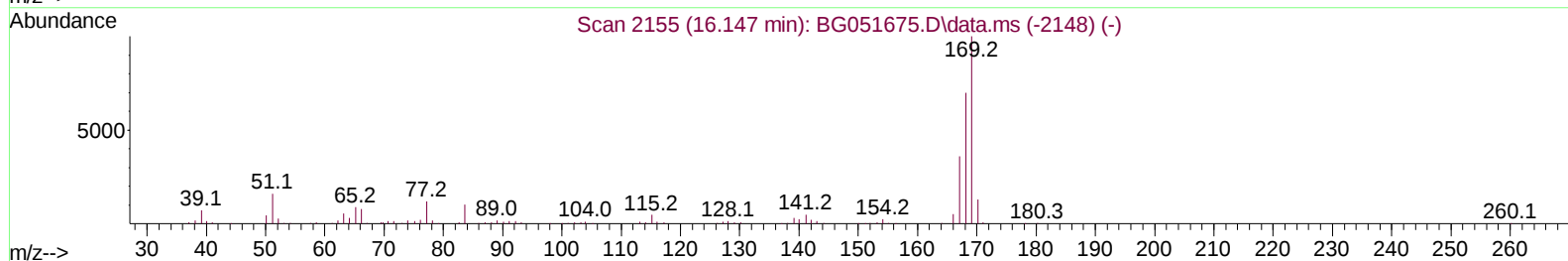
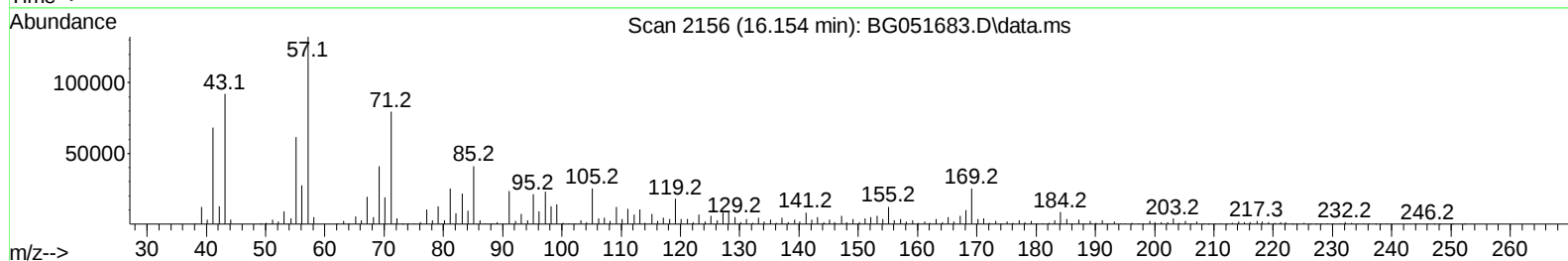
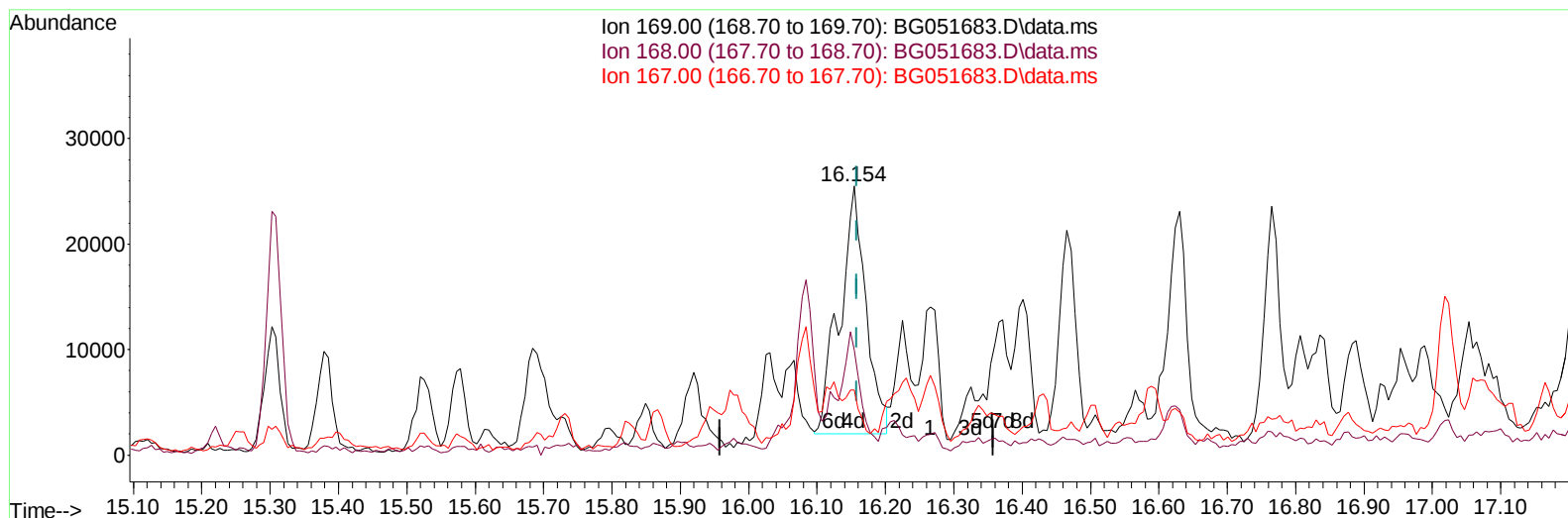
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122021\
 Data File : BG051683.D
 Acq On : 20 Dec 2021 16:07
 Operator : CG/JU
 Sample : M5171-14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BGLB0

Manual IntegrationsAPPROVED

Quant Time: Dec 20 23:11:00 2021
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 Supervised By :mohammad ahmed 12/28/2021



TIC: BG051683.D\data.ms

(67) N-Nitrosodiphenylamine

16.154min (-0.004) 17.36 ng/ul m

response 62871

Ion	Exp%	Act%
169.00	100.00	100.00
168.00	73.10	39.08#
167.00	39.10	24.25#
0.00	0.00	0.00

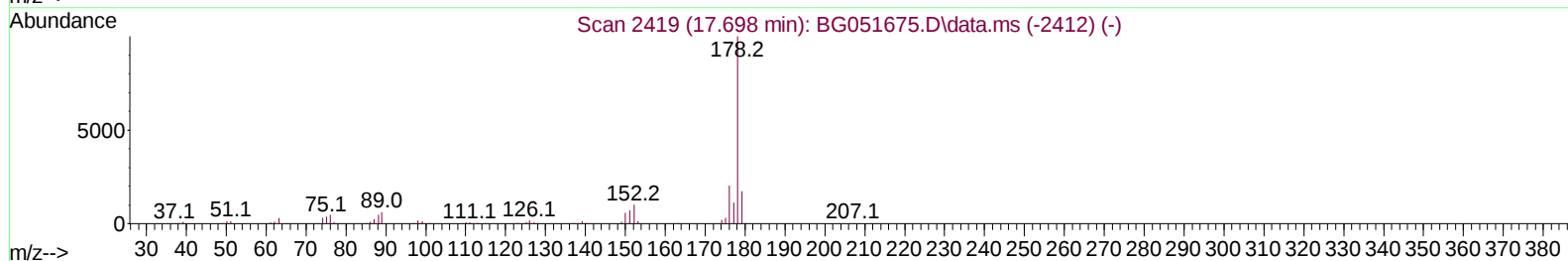
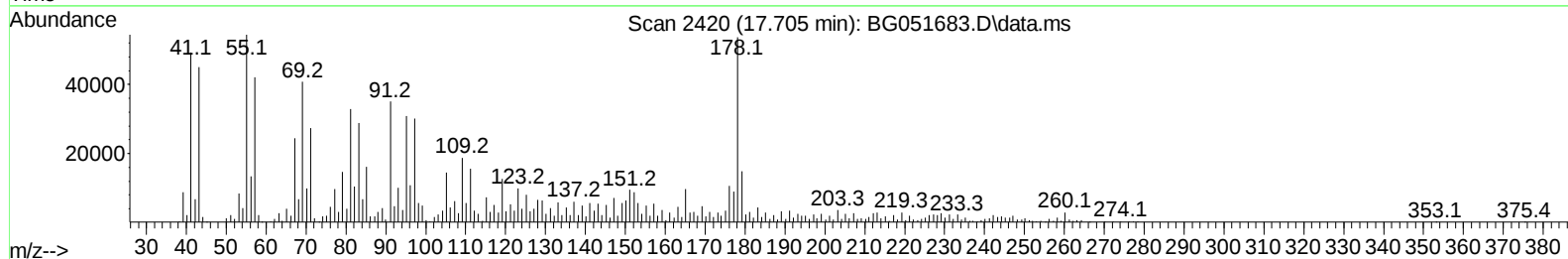
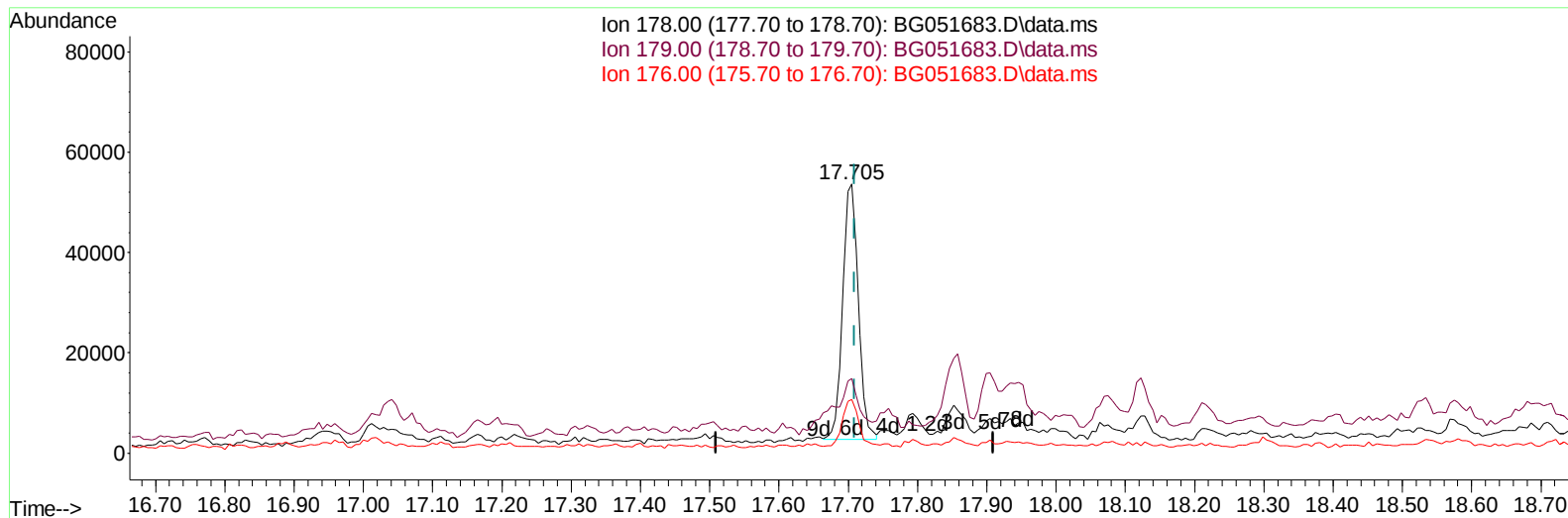
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122021\
 Data File : BG051683.D
 Acq On : 20 Dec 2021 16:07
 Operator : CG/JU
 Sample : M5171-14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BGLB0

Manual IntegrationsAPPROVED

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TIC: BG051683.D\data.ms

(72) Phenanthrene

17.705min (-0.004) 11.42 ng/ul m

response 79121

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.40	27.67#
176.00	19.40	19.93
0.00	0.00	0.00

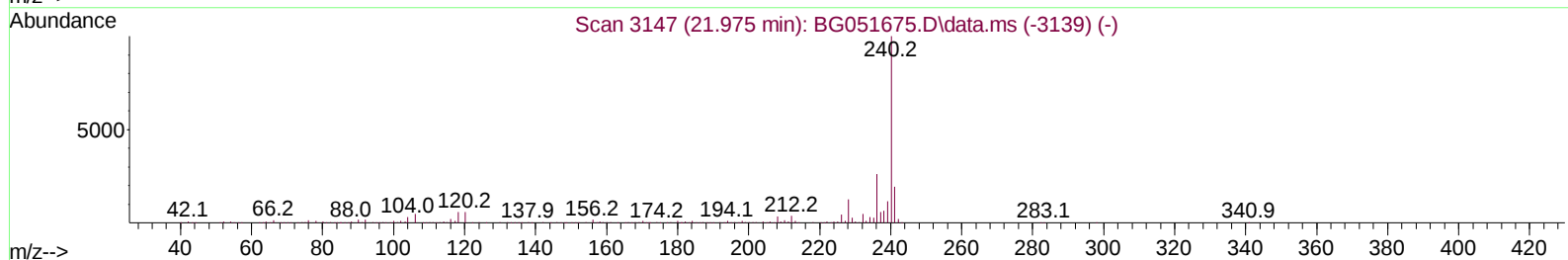
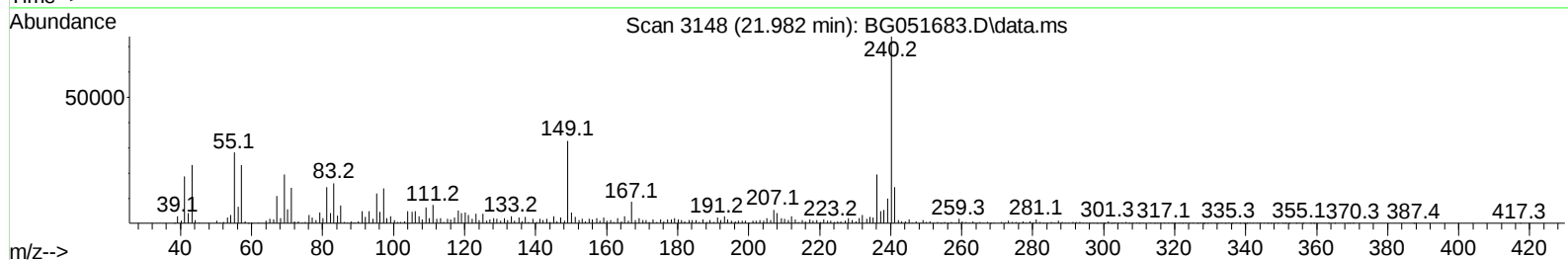
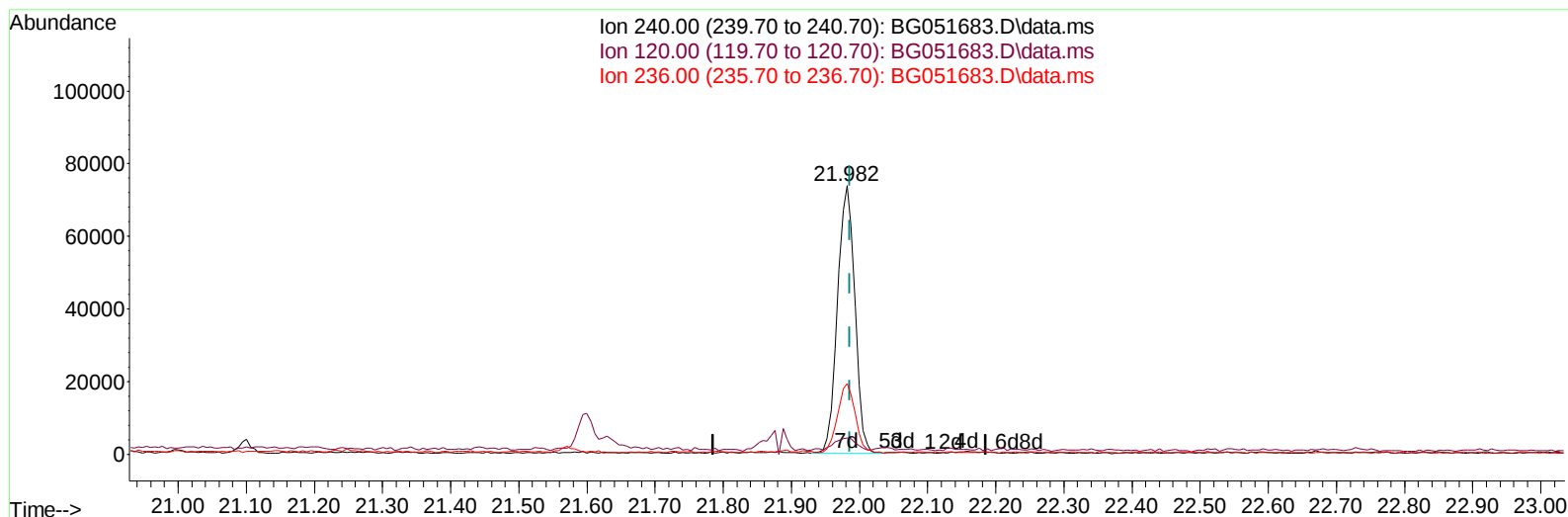
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122021\
 Data File : BG051683.D
 Acq On : 20 Dec 2021 16:07
 Operator : CG/JU
 Sample : M5171-14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BGLB0

Manual IntegrationsAPPROVED

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TIC: BG051683.D\data.ms

(79) Chrysene-d12 (I)

21.982min (-0.004) 20.00 ng/u1 m

response 130126

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	9.50	6.09#
236.00	26.70	26.40
0.00	0.00	0.00

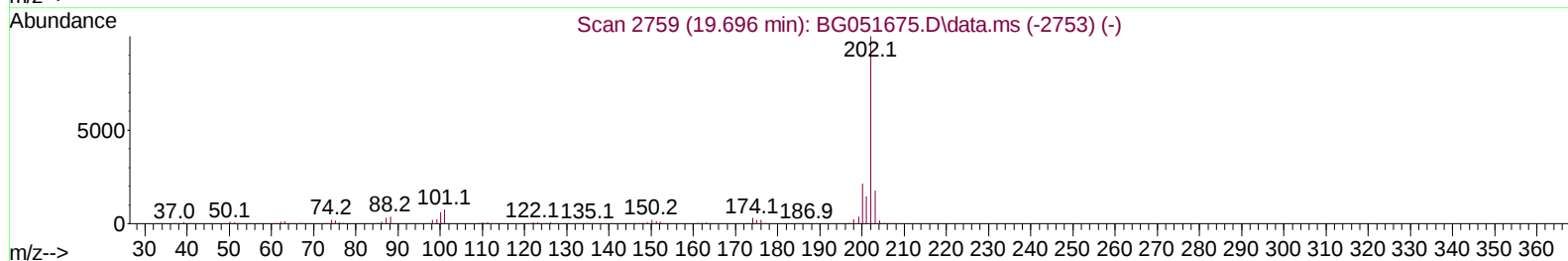
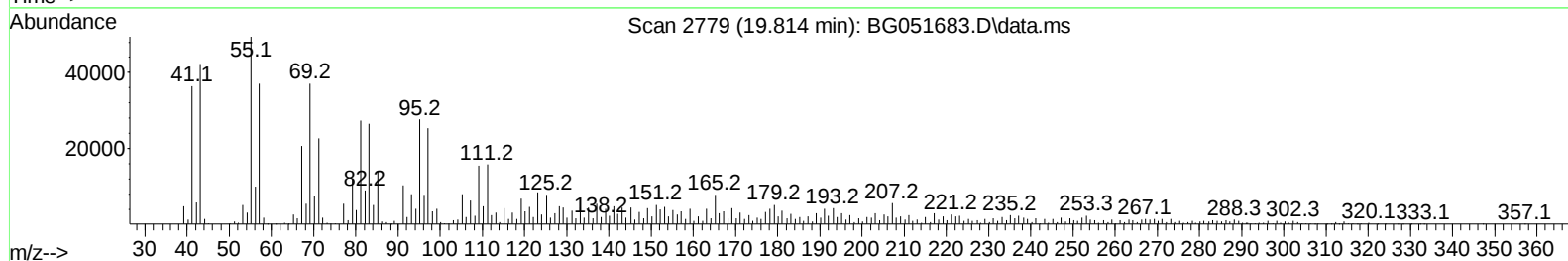
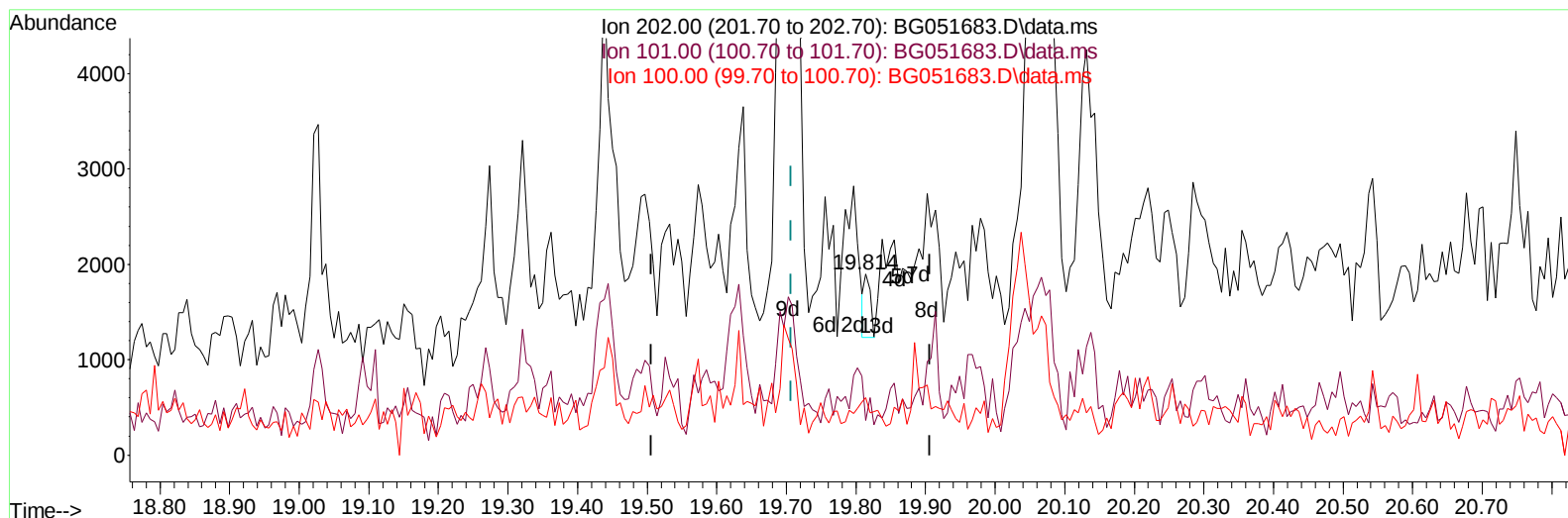
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122021\
 Data File : BG051683.D
 Acq On : 20 Dec 2021 16:07
 Operator : CG/JU
 Sample : M5171-14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BGLB0

Manual IntegrationsAPPROVED

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TIC: BG051683.D\data.ms

(80) Fluoranthene

19.814min (+ 0.107) 0.05 ng/u1

response 411

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.60	19.13#
100.00	8.80	31.88#
0.00	0.00	0.00

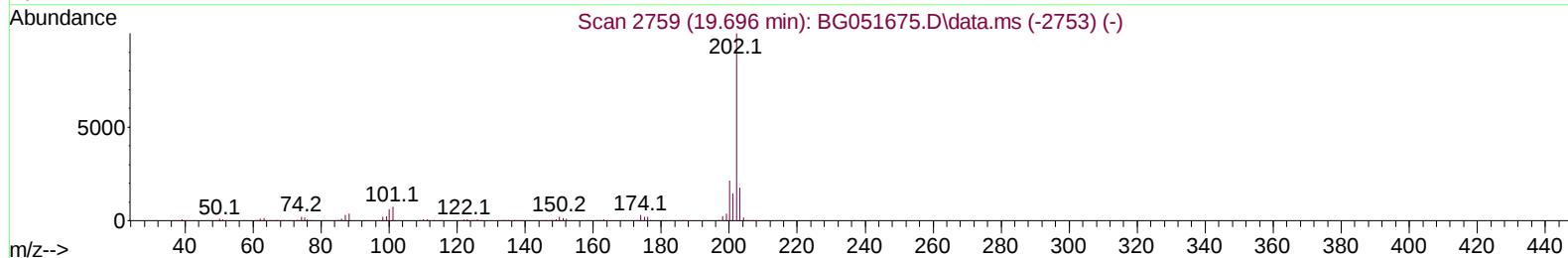
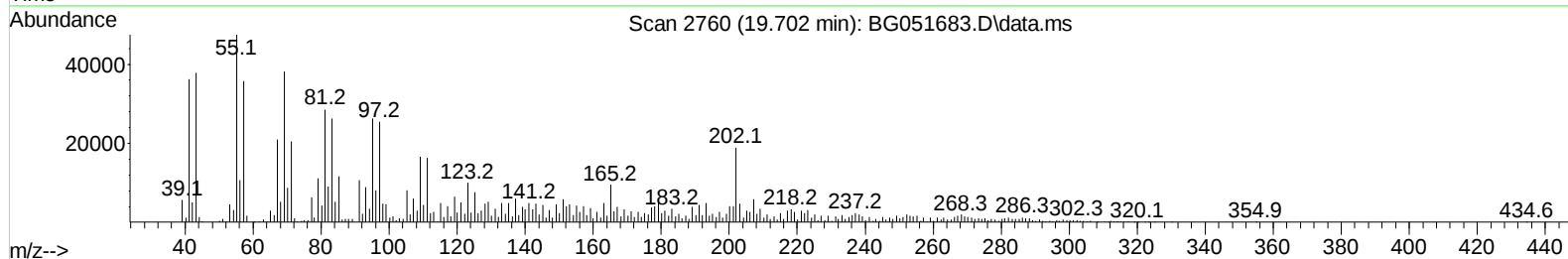
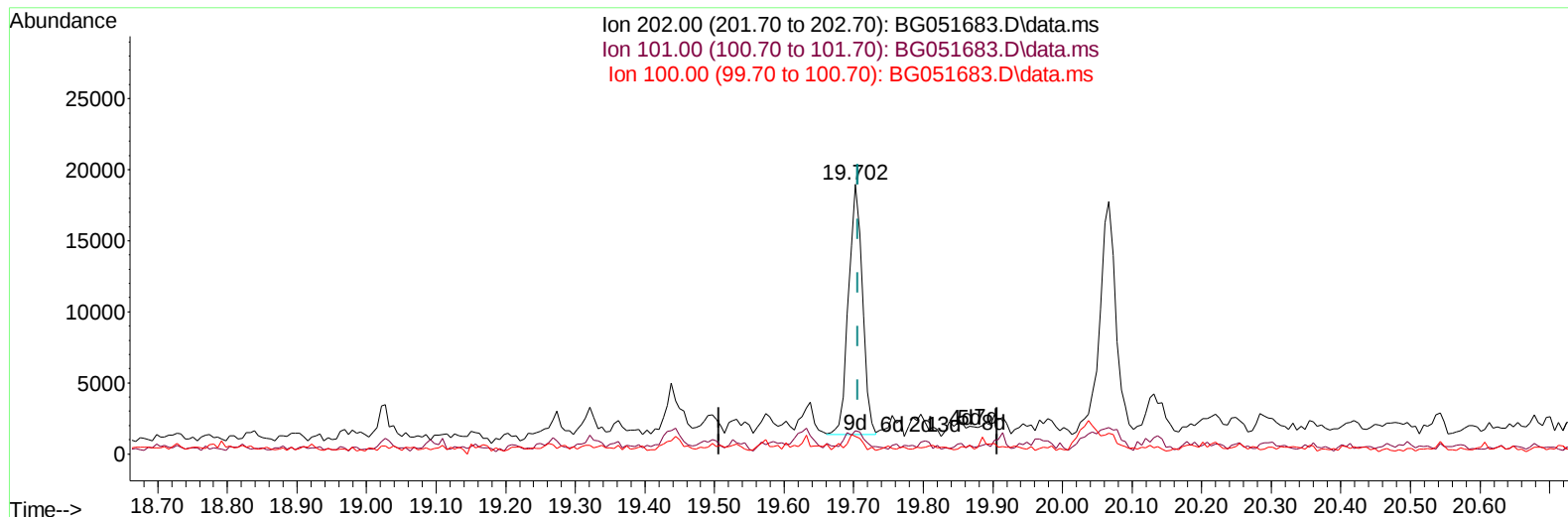
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122021\
 Data File : BG051683.D
 Acq On : 20 Dec 2021 16:07
 Operator : CG/JU
 Sample : M5171-14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BGLB0

Manual IntegrationsAPPROVED

Quant Time: Dec 20 23:11:00 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121421.M
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TIC: BG051683.D\data.ms

(80) Fluoranthene

19.702min (-0.004) 2.73 ng/u1 m

response 24499

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.60	8.73#
100.00	8.80	6.45#
0.00	0.00	0.00

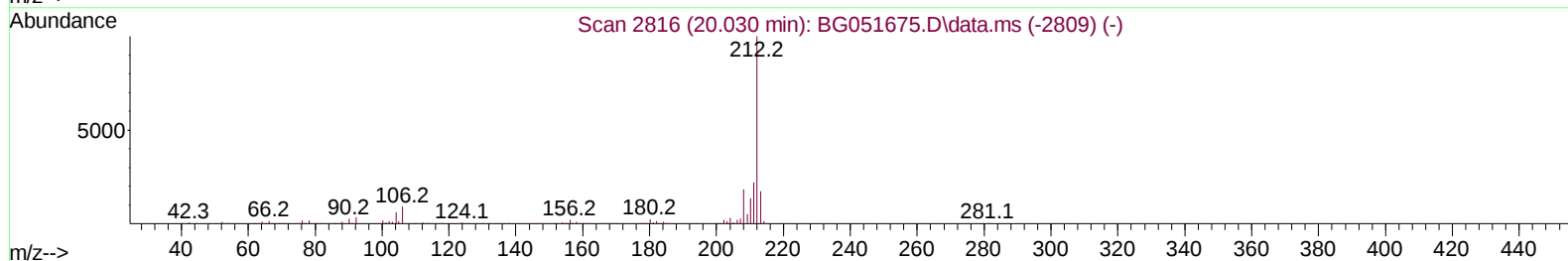
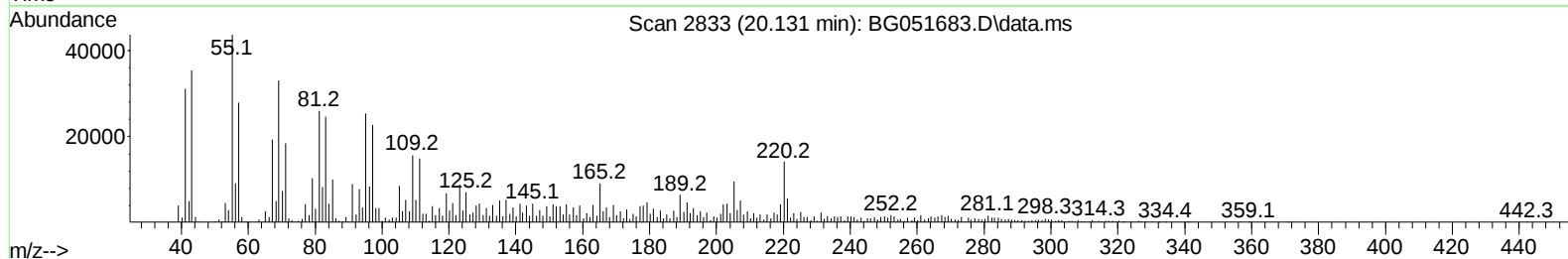
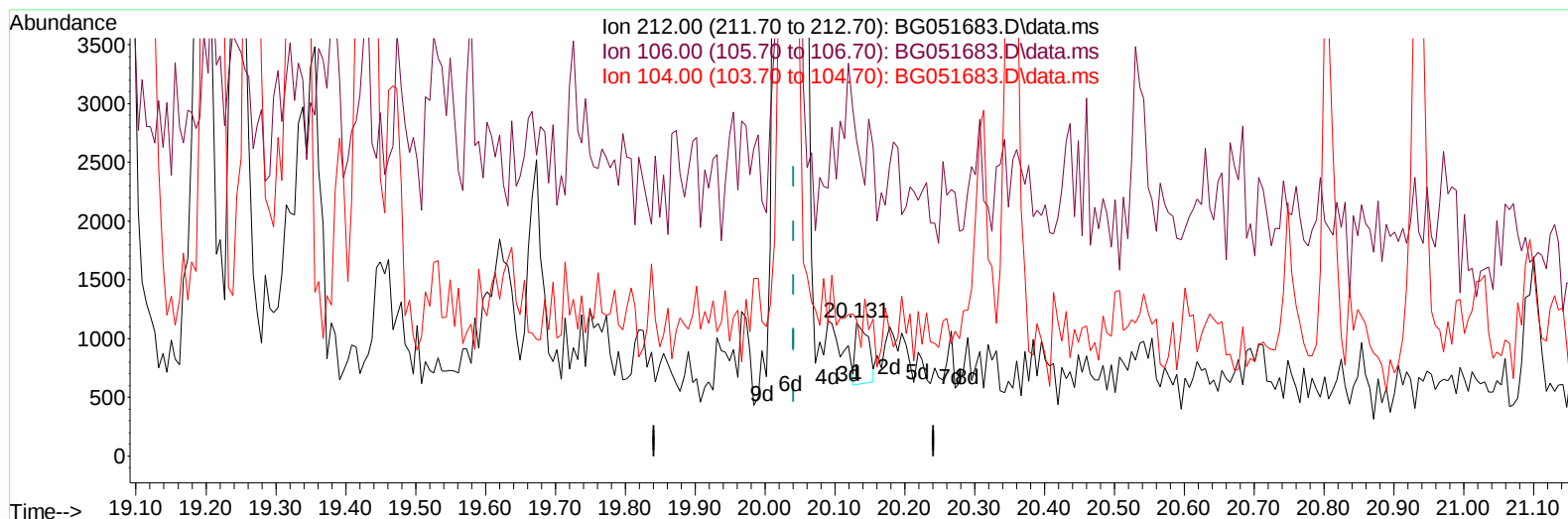
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122021\
Data File : BG051683.D
Acq On : 20 Dec 2021 16:07
Operator : CG/JU
Sample : M5171-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BGLB0

Manual IntegrationsAPPROVED

Quant Time: Dec 20 23:11:00 2021
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TIC: BG051683.D\data.ms

(81) Pyrene-d10 (S)

20.131min (+ 0.090) 0.09 ng/u1

response 674

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	14.20	236.98#
104.00	9.50	102.21#
0.00	0.00	0.00

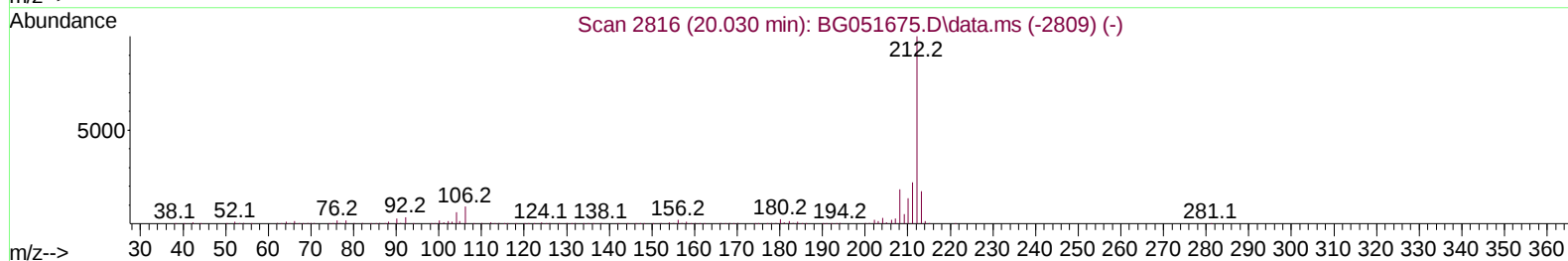
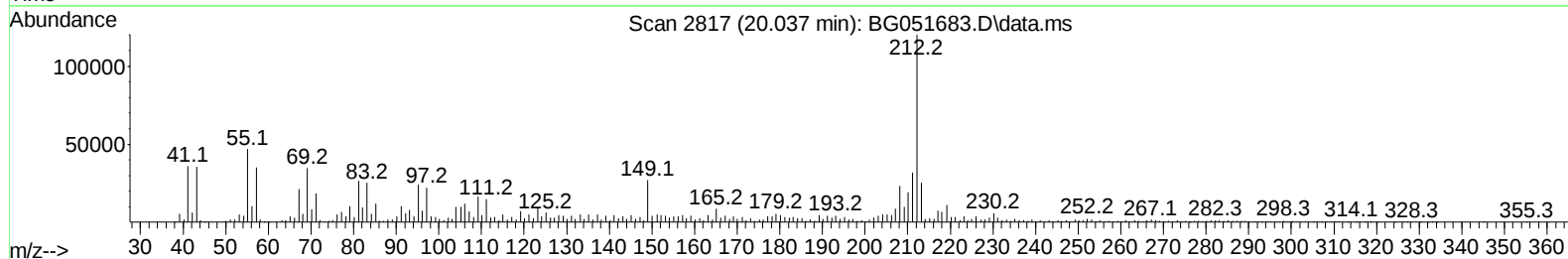
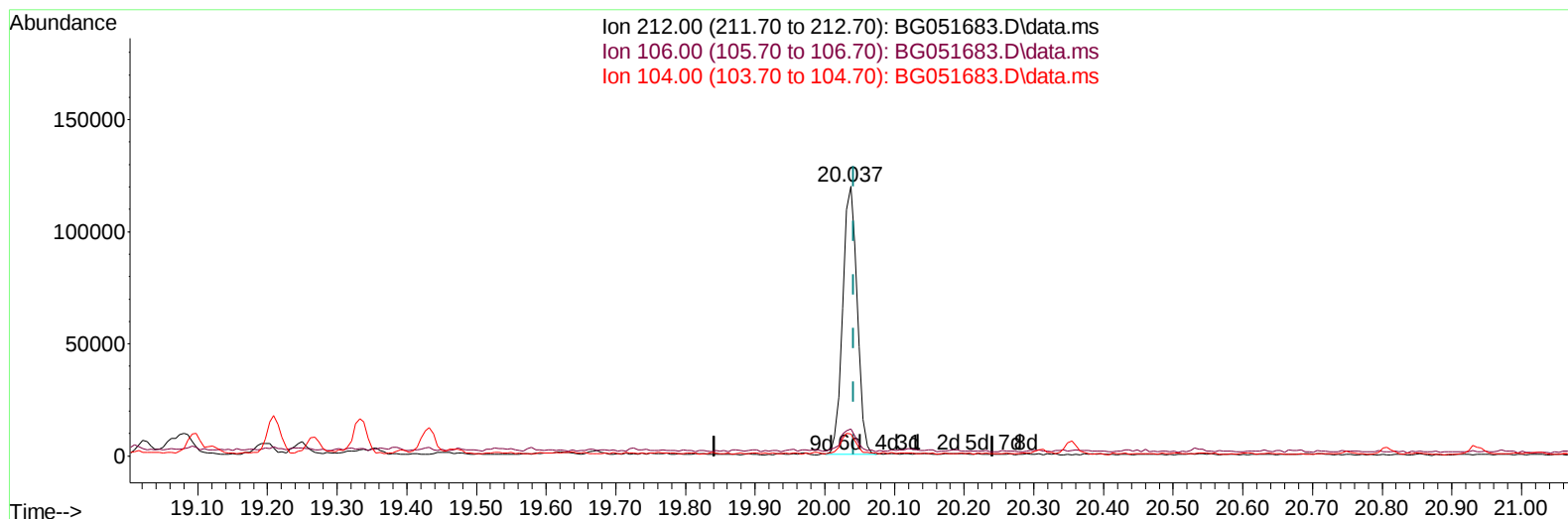
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122021\
 Data File : BG051683.D
 Acq On : 20 Dec 2021 16:07
 Operator : CG/JU
 Sample : M5171-14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BGLB0

Manual IntegrationsAPPROVED

Quant Time: Dec 20 23:11:00 2021
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TIC: BG051683.D\data.ms

(81) Pyrene-d10 (S)

20.037min (-0.004) 22.11 ng/ul m

response 173151

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	14.20	10.03#
104.00	9.50	8.10
0.00	0.00	0.00

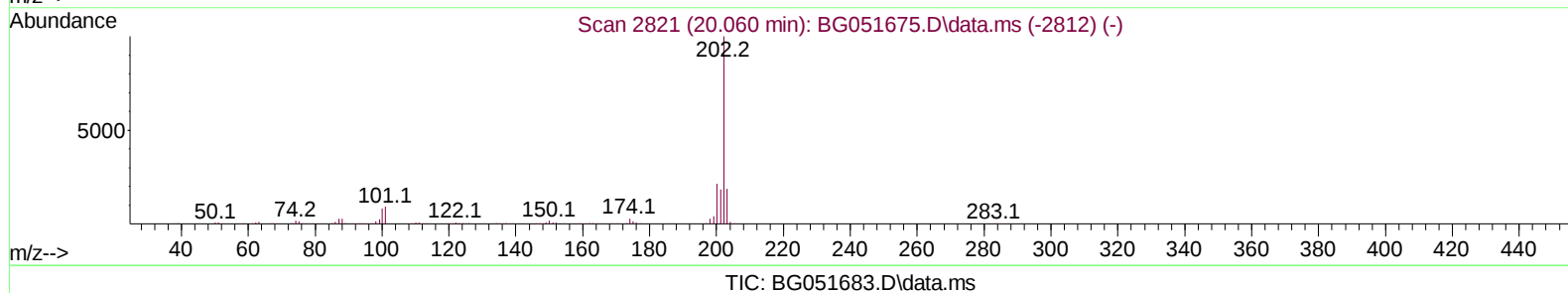
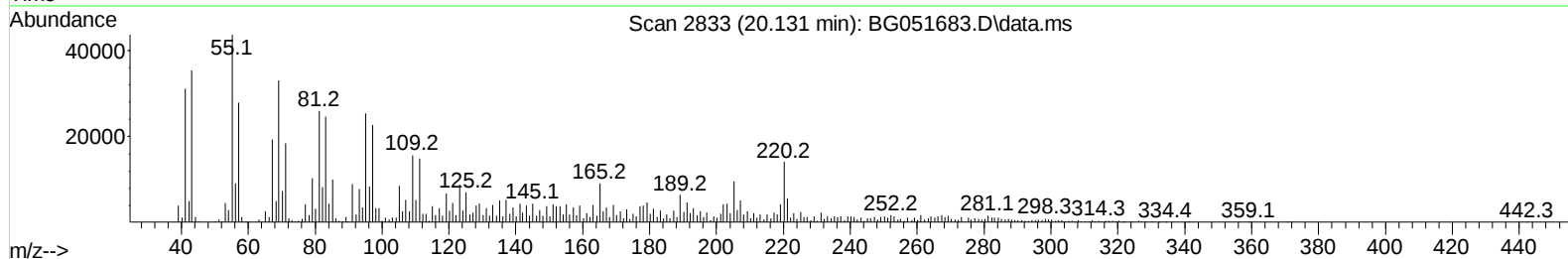
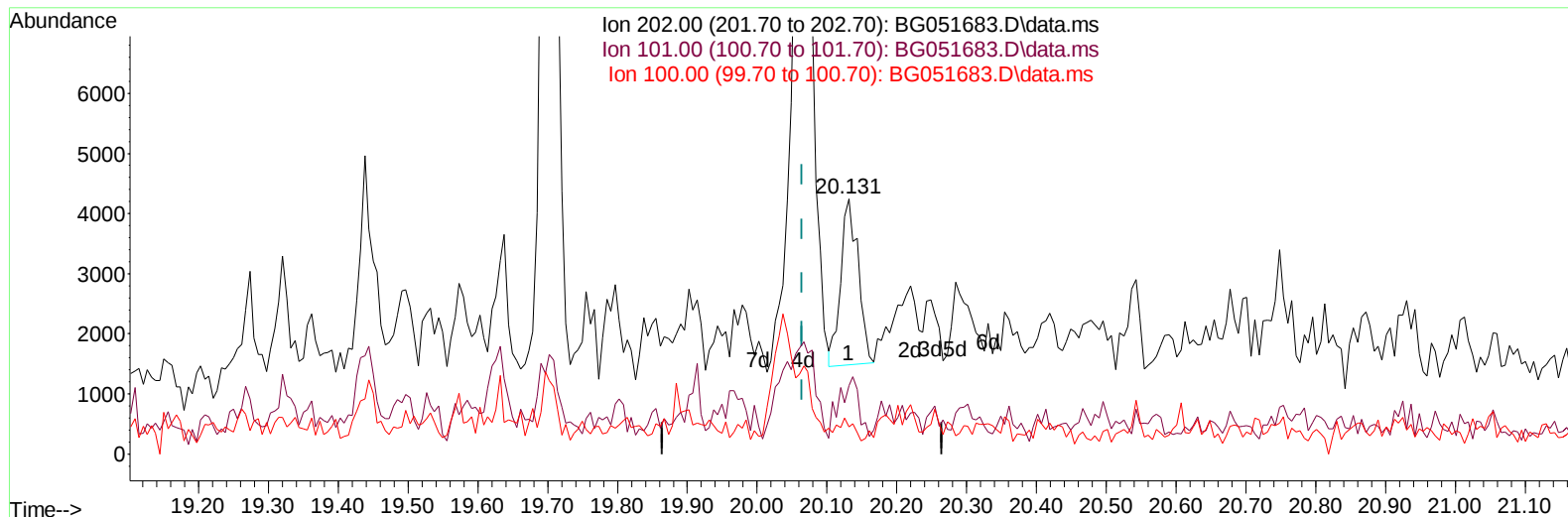
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122021\
 Data File : BG051683.D
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 Operator : CG/JU
 Sample : M5171-14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
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Manual IntegrationsAPPROVED

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(82) Pyrene

20.131min (+ 0.066) 0.54 ng/u1

response 4794

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	13.40	26.69#
100.00	11.30	10.50
0.00	0.00	0.00

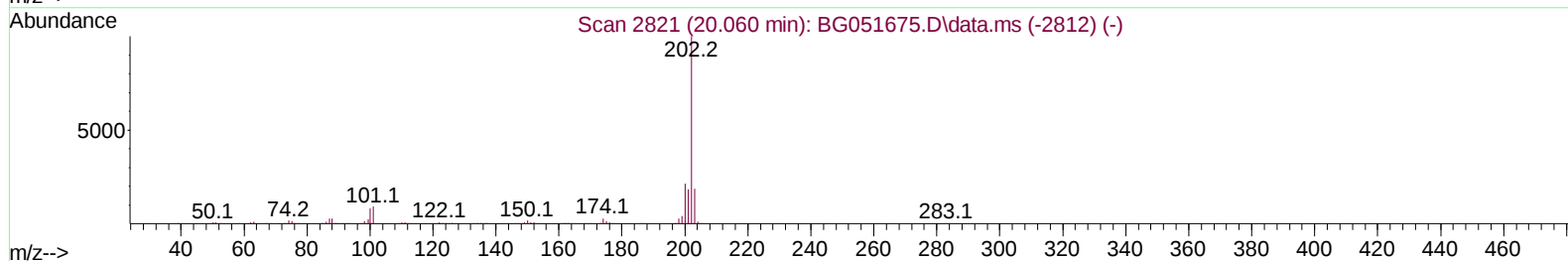
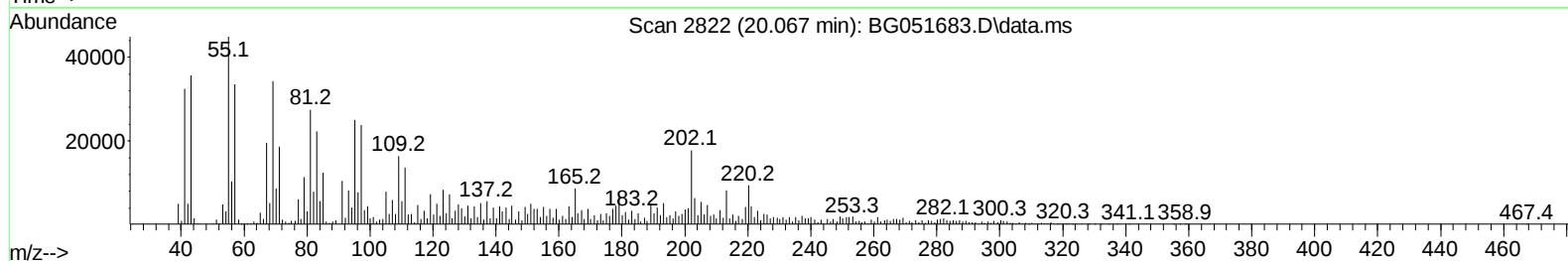
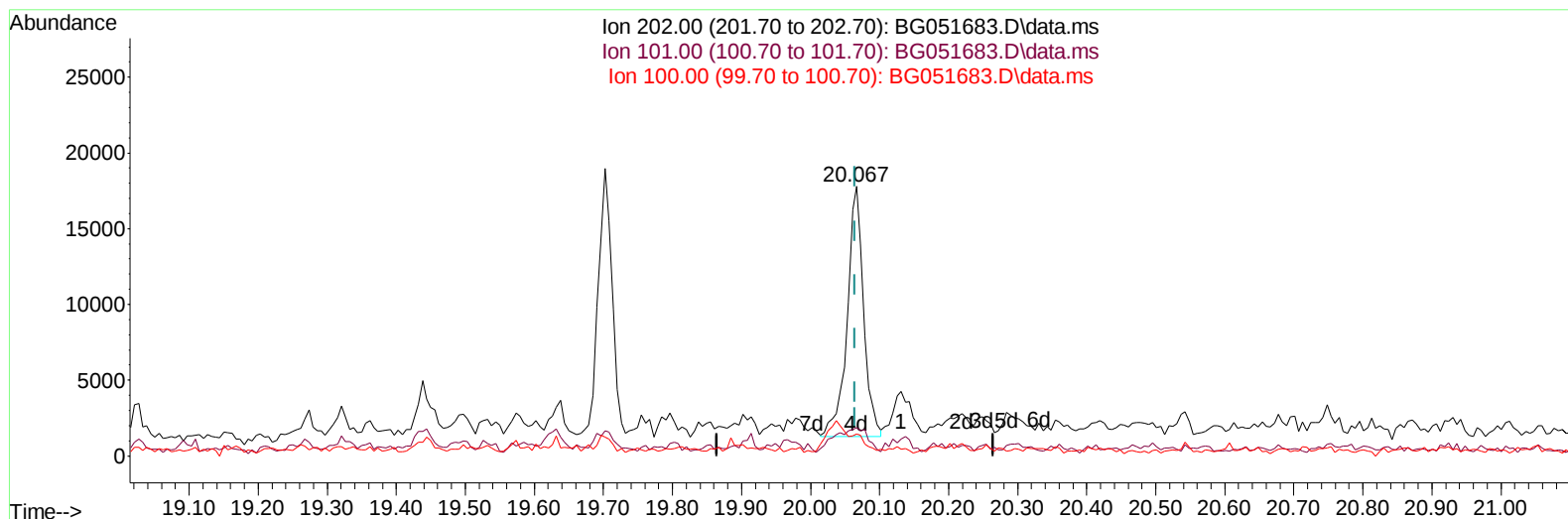
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122021\
 Data File : BG051683.D
 Acq On : 20 Dec 2021 16:07
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 Sample : M5171-14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BGLB0

Manual IntegrationsAPPROVED

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TIC: BG051683.D\data.ms

(82) Pyrene

20.067min (+ 0.002) 3.07 ng/ul m

response 27332

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	13.40	10.48#
100.00	11.30	8.23#
0.00	0.00	0.00

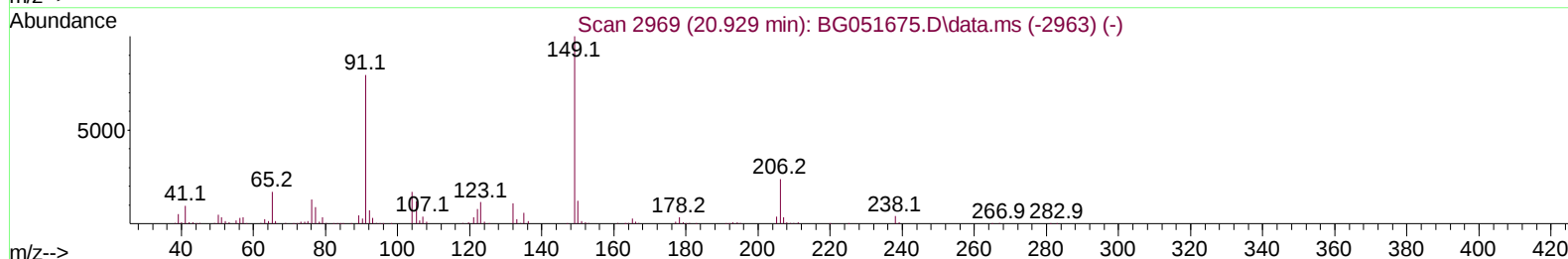
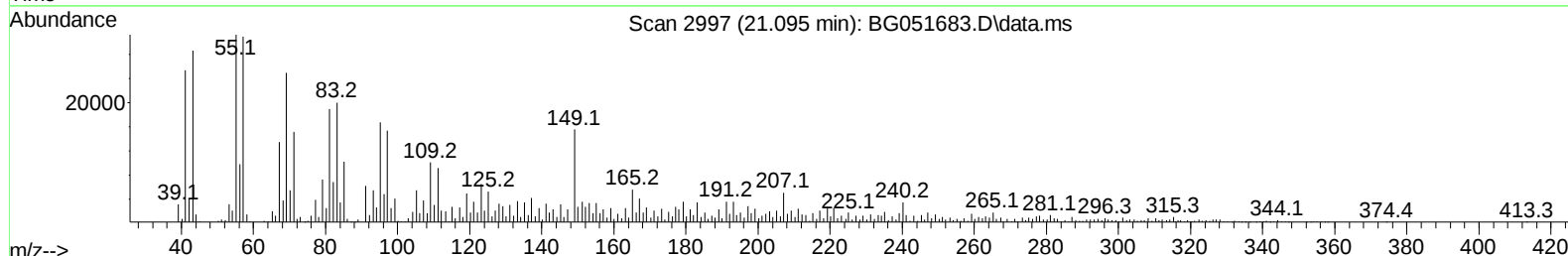
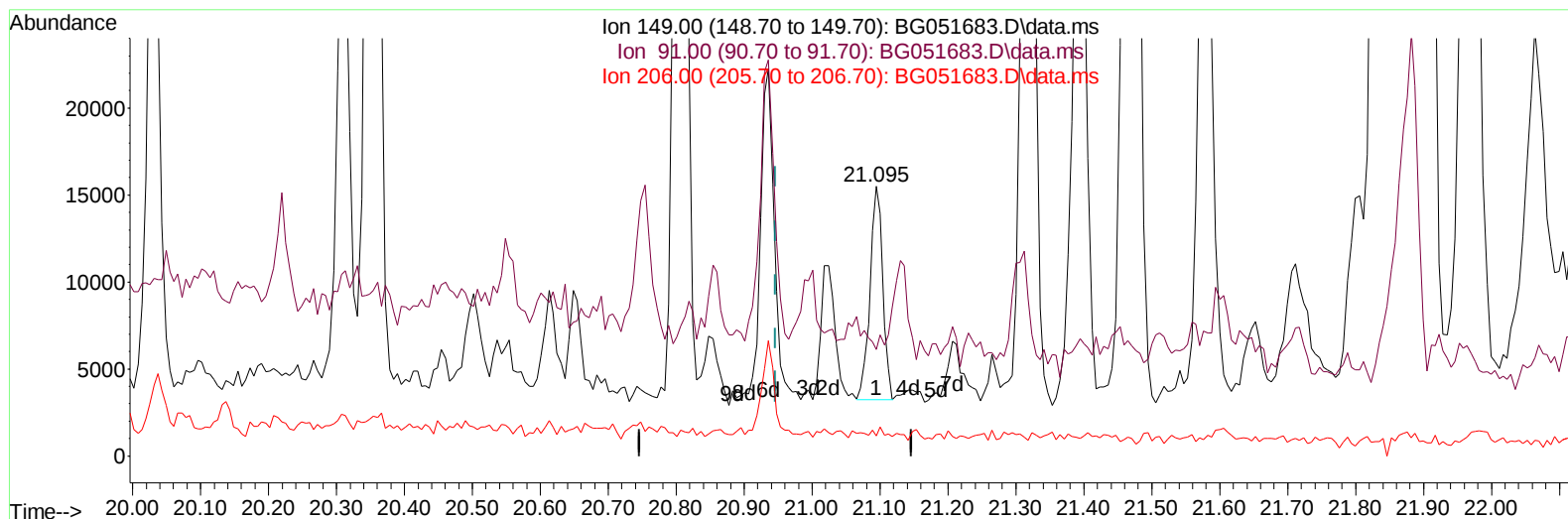
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122021\
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 ALS Vial : 10 Sample Multiplier: 1

Instrument :
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TIC: BG051683.D\data.ms

(83) Butylbenzylphthalate

21.095min (+ 0.149) 5.41 ng/ul

response 16148

Ion	Exp%	Act%
149.00	100.00	100.00
91.00	81.50	39.46#
206.00	20.20	7.46#
0.00	0.00	0.00

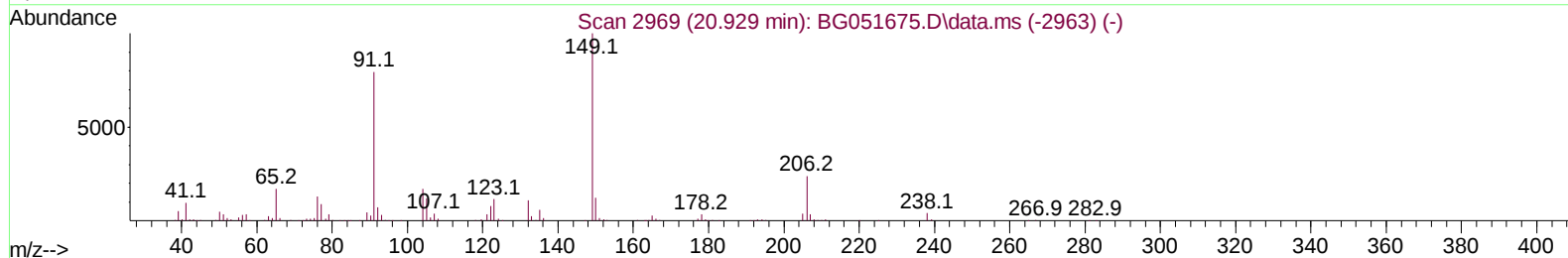
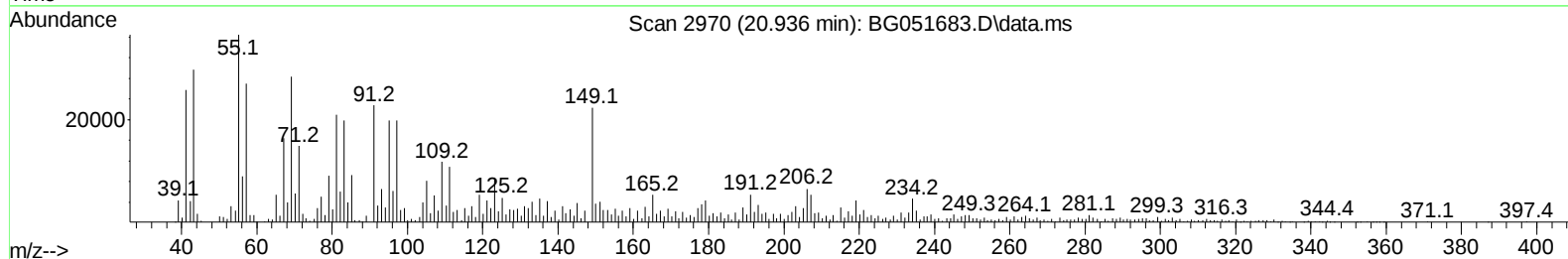
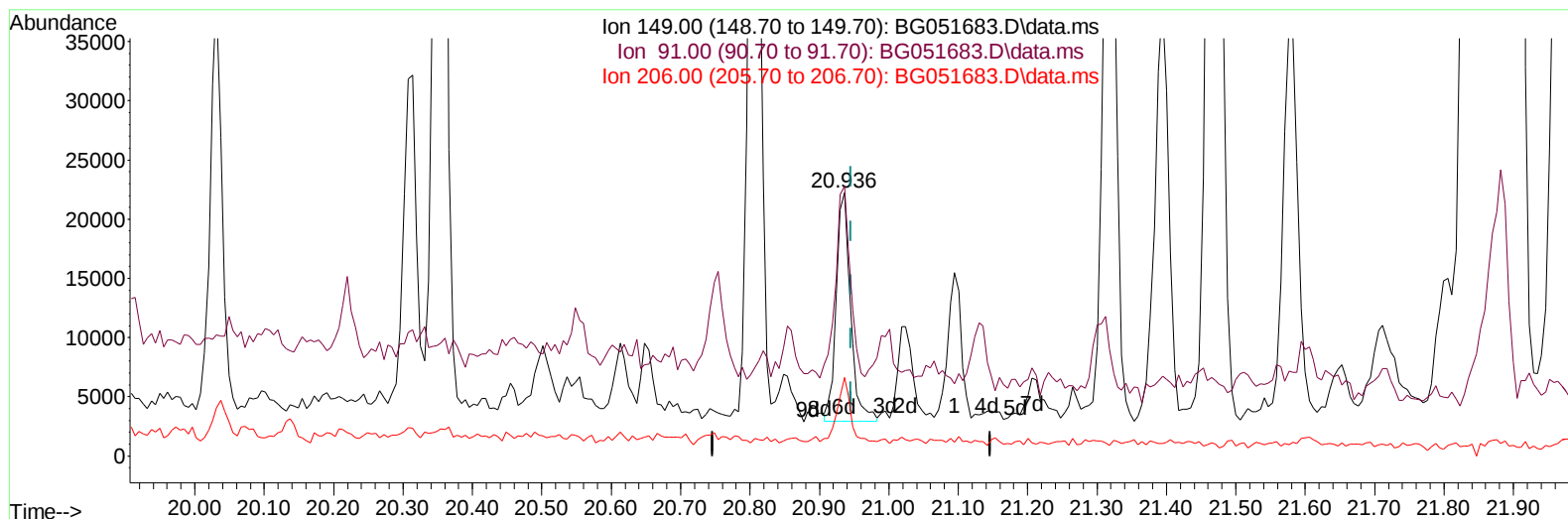
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122021\
 Data File : BG051683.D
 Acq On : 20 Dec 2021 16:07
 Operator : CG/JU
 Sample : M5171-14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BGLB0

Manual IntegrationsAPPROVED

Quant Time: Dec 20 23:11:00 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121421.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 14 14:19:57 2021
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/21/2021
 Supervised By :mohammad ahmed 12/28/2021



TIC: BG051683.D\data.ms

(83) Butylbenzylphthalate

20.936min (-0.010) 9.27 ng/ul m

response 27667

Ion	Exp%	Act%
149.00	100.00	100.00
91.00	81.50	102.23#
206.00	20.20	29.72#
0.00	0.00	0.00

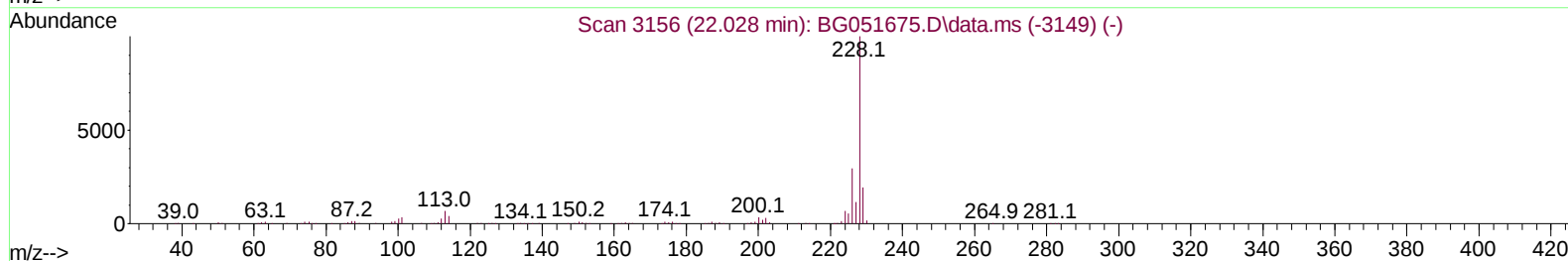
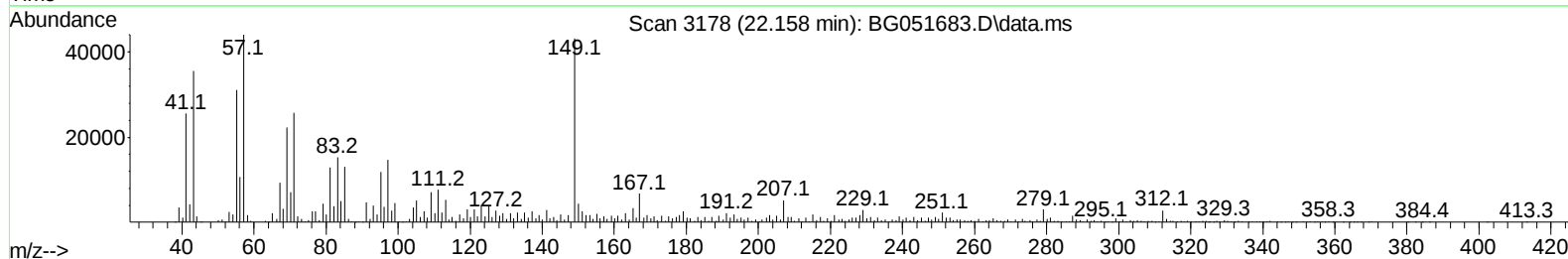
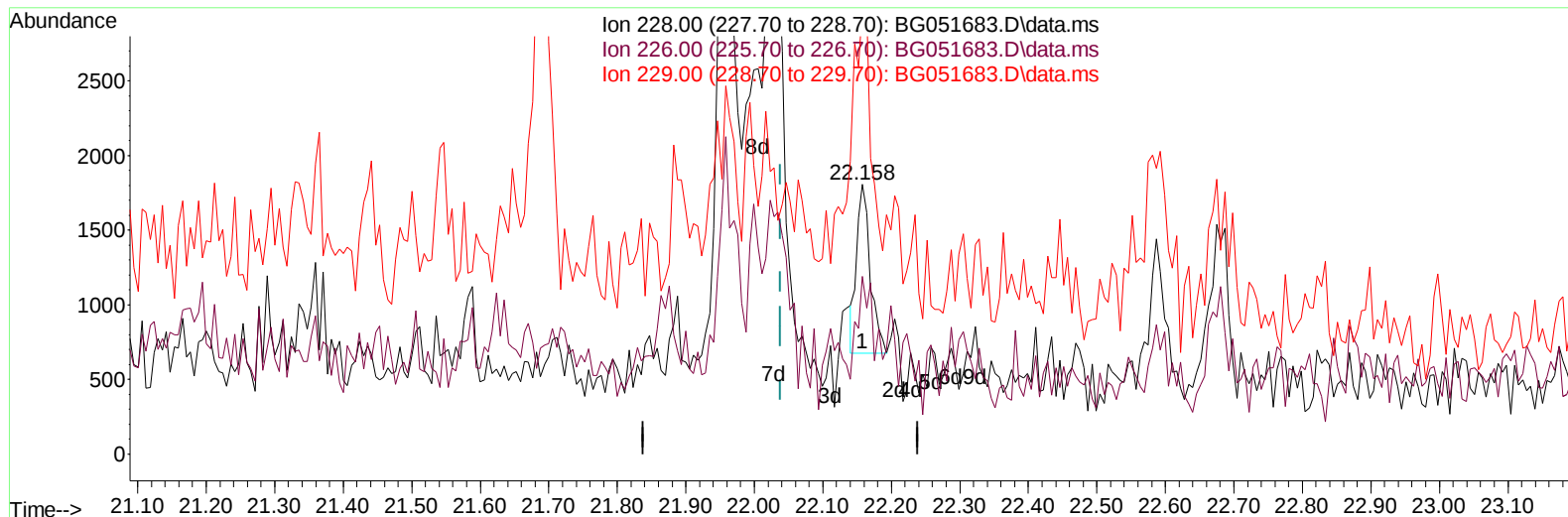
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122021\
 Data File : BG051683.D
 Acq On : 20 Dec 2021 16:07
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Instrument :
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TIC: BG051683.D\data.ms

(87) Chrysene

22.158min (+ 0.119) 0.19 ng/u1

response 1568

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	31.00	65.84#
229.00	19.70	168.22#
0.00	0.00	0.00

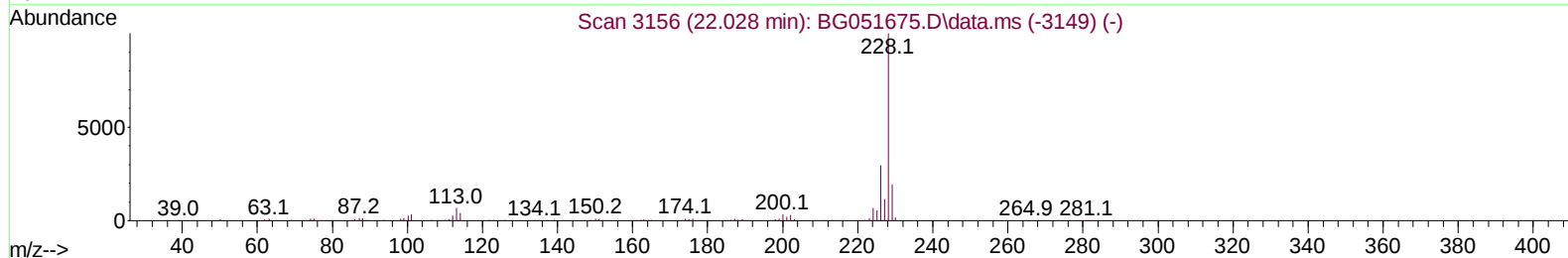
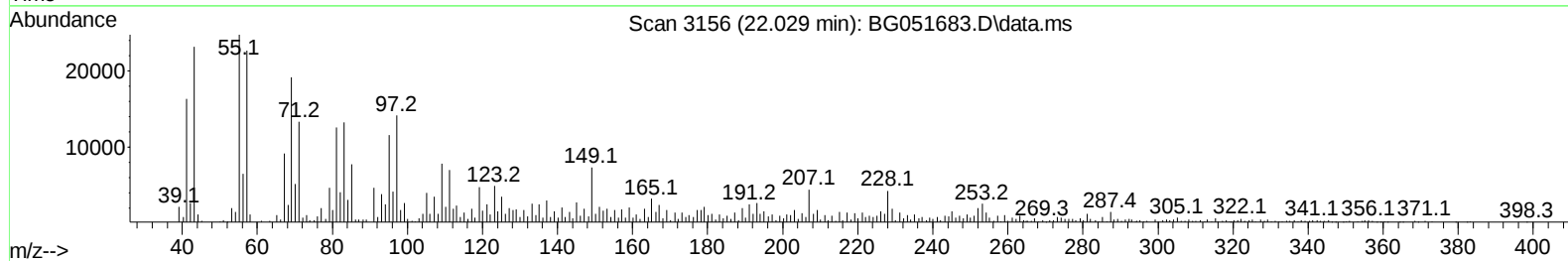
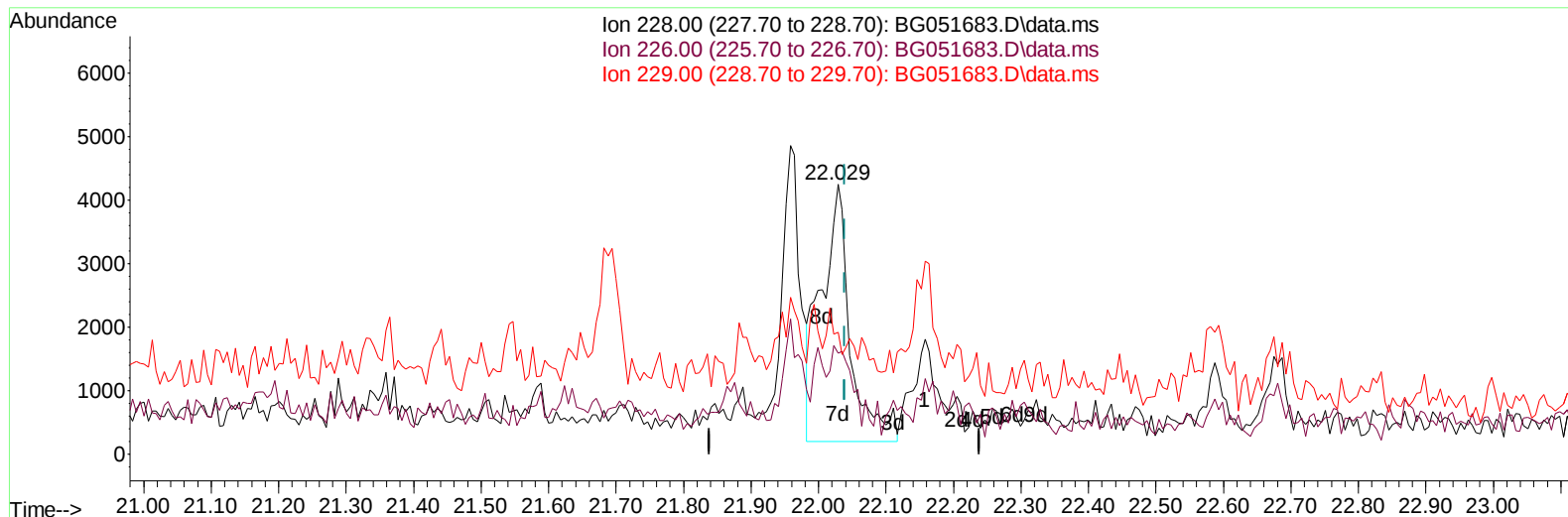
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122021\
 Data File : BG051683.D
 Acq On : 20 Dec 2021 16:07
 Operator : CG/JU
 Sample : M5171-14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BG051683.D\data.ms

(87) Chrysene

22.029min (-0.010) 1.50 ng/ul m

response 12253

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	31.00	37.45#
229.00	19.70	45.25#
0.00	0.00	0.00

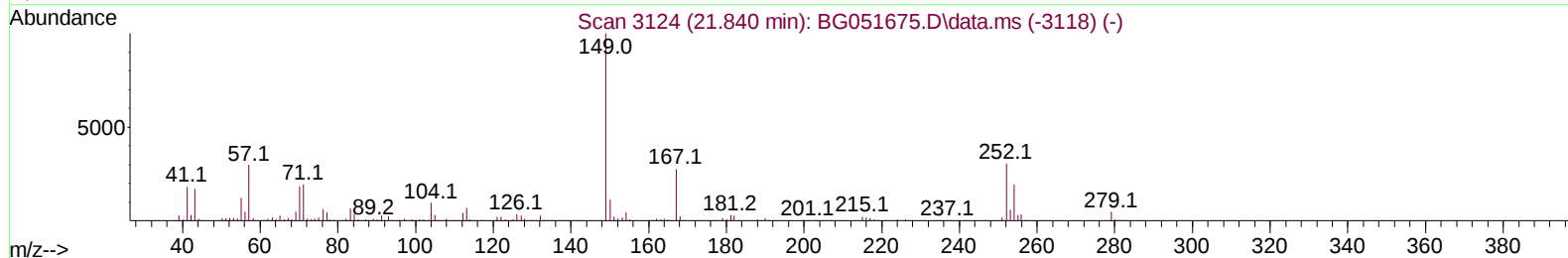
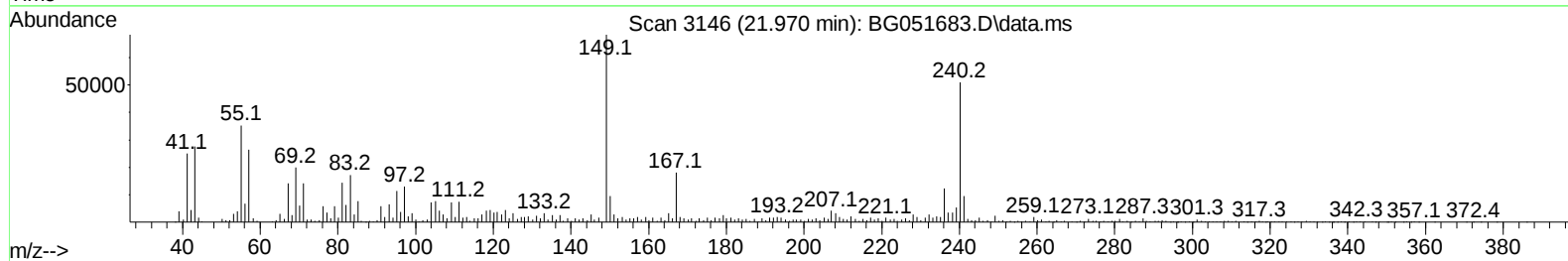
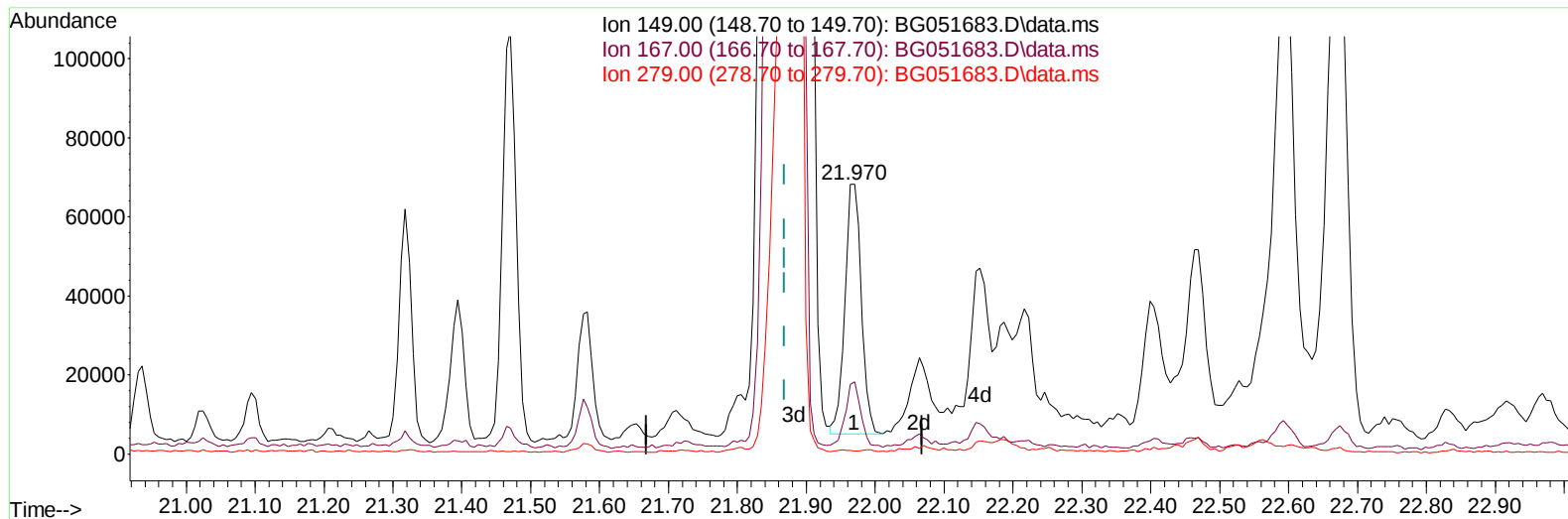
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122021\
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 Sample : M5171-14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BG051683.D\data.ms

(86) Bis(2-ethylhexyl)phthalate

21.970min (+ 0.102) 25.09 ng/u1

response 104853

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	26.40	26.78
279.00	3.40	1.05#
0.00	0.00	0.00

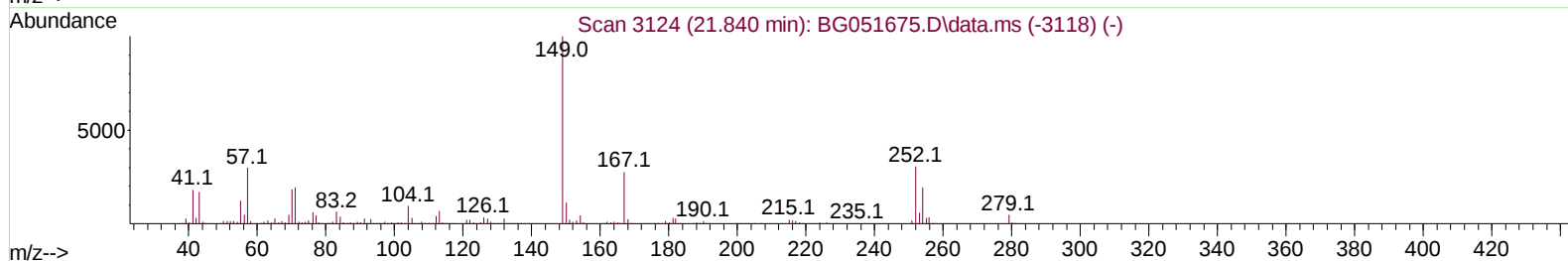
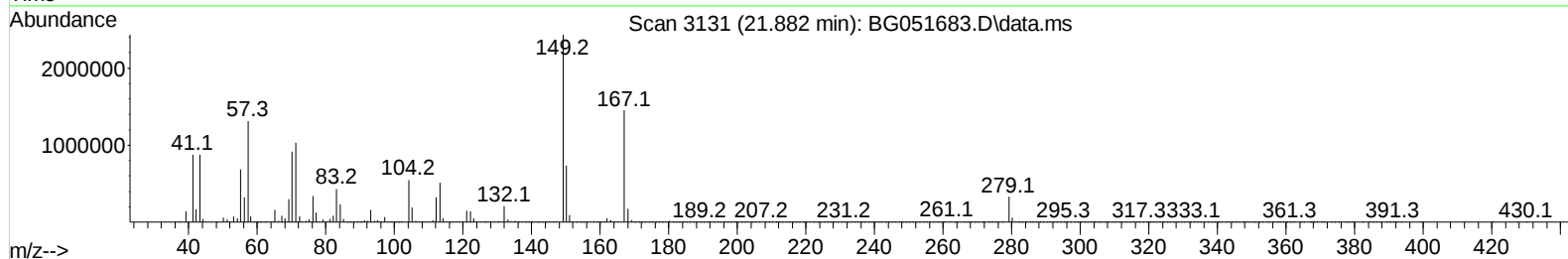
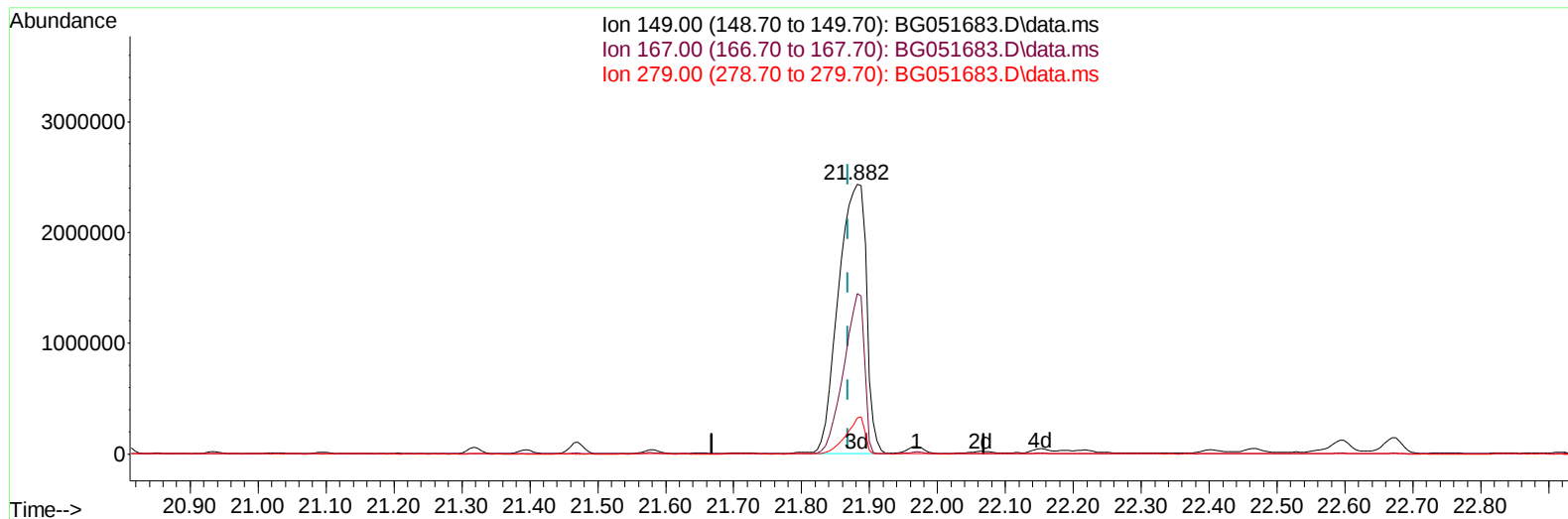
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122021\
 Data File : BG051683.D
 Acq On : 20 Dec 2021 16:07
 Operator : CG/JU
 Sample : M5171-14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BG051683.D\data.ms

(86) Bis(2-ethylhexyl)phthalate

21.882min (+ 0.013) 1651.94 ng/ul m

response 6903551

Ion	Exp%	Act%
149.00	100.00	100.00
167.00	26.40	59.60#
279.00	3.40	13.44#
0.00	0.00	0.00

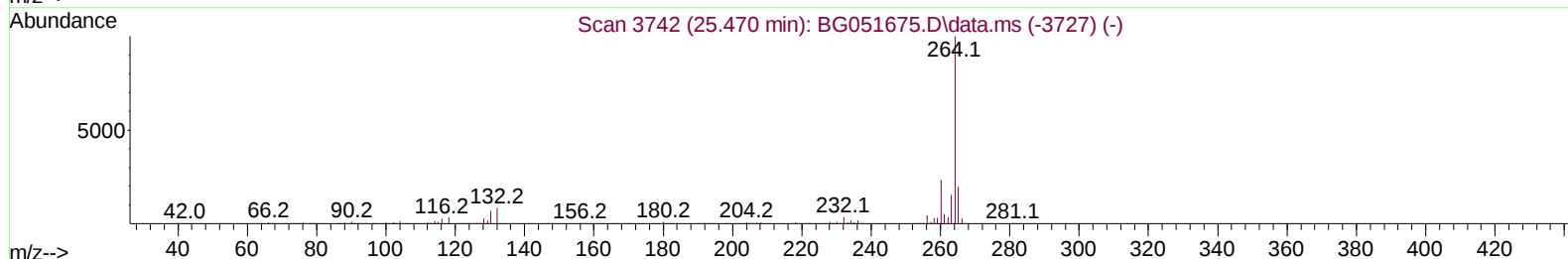
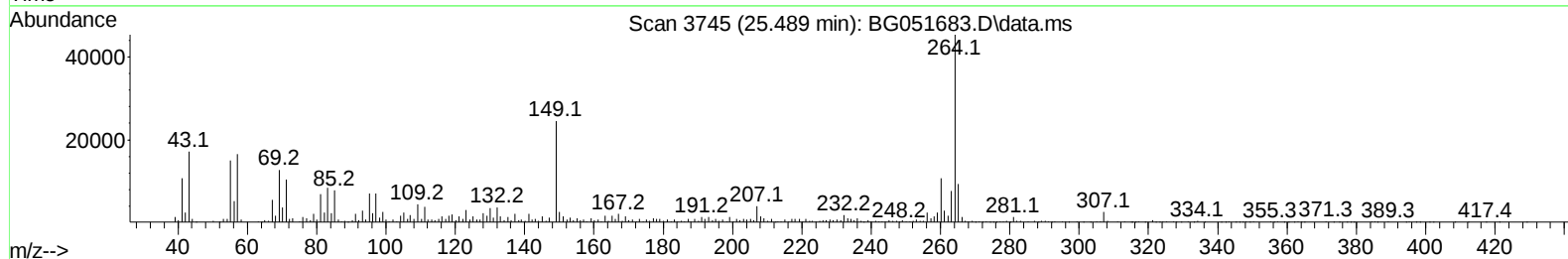
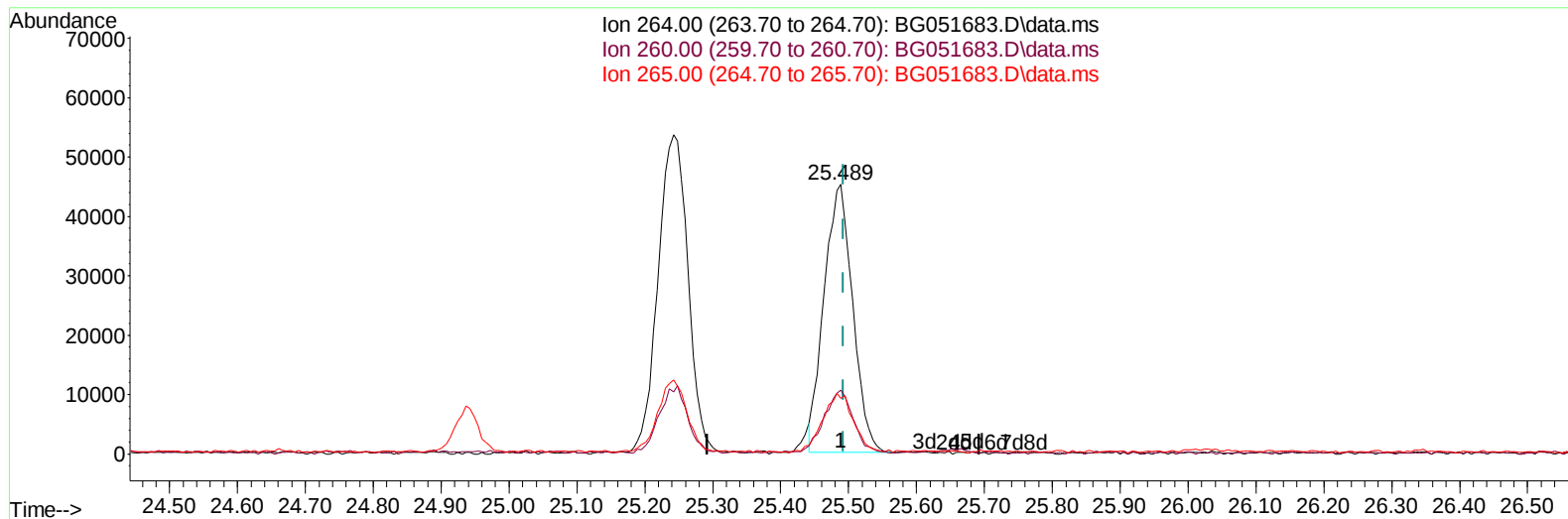
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122021\
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 Acq On : 20 Dec 2021 16:07
 Operator : CG/JU
 Sample : M5171-14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BG051683.D\data.ms

(88) Perylene-d12 (I)

25.489min (-0.004) 20.00 ng/u1

response 131949

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	24.50	23.79
265.00	22.60	20.64
0.00	0.00	0.00

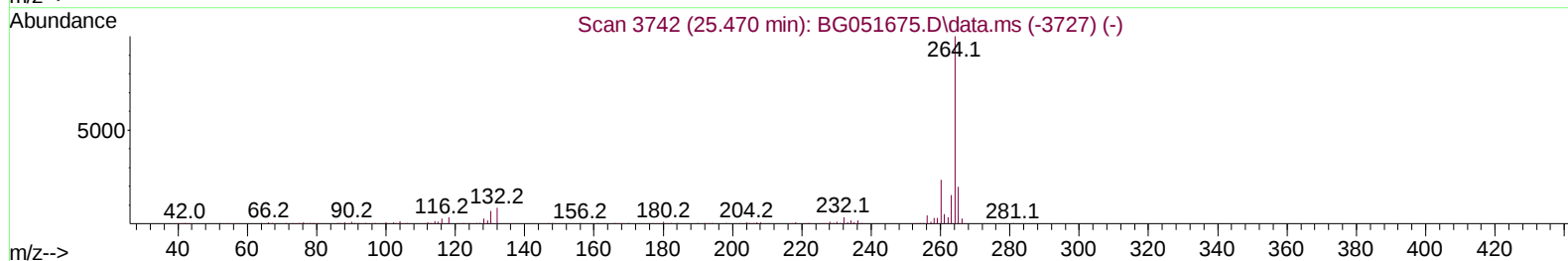
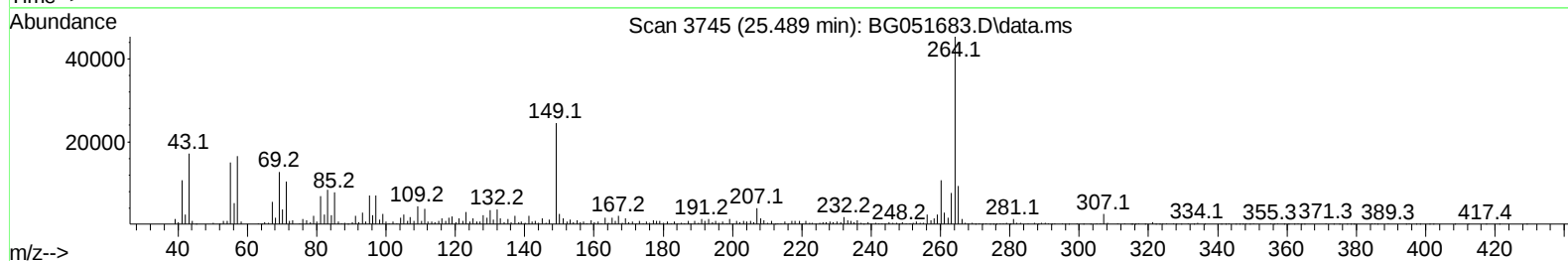
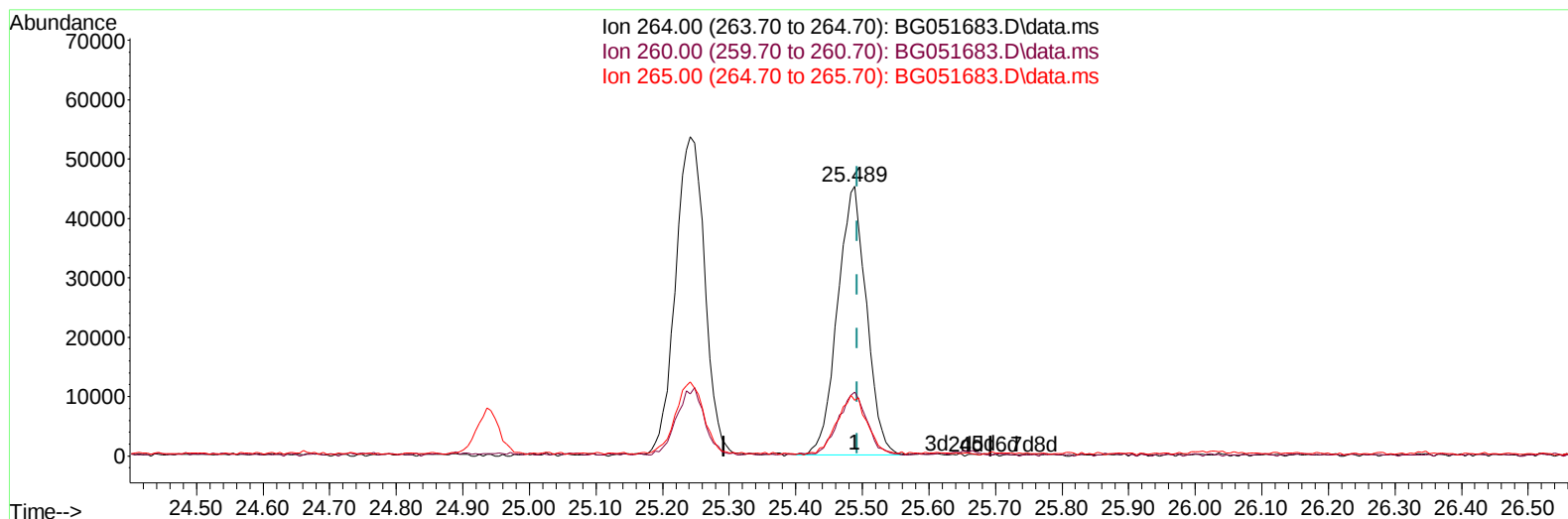
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122021\
 Data File : BG051683.D
 Acq On : 20 Dec 2021 16:07
 Operator : CG/JU
 Sample : M5171-14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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TIC: BG051683.D\data.ms

(88) Perylene-d12 (I)

25.489min (-0.004) 20.00 ng/ul m

response 136113

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	24.50	23.79
265.00	22.60	20.64
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	8.277	152	26812	20.000	ng/ul	-0.01
20) Naphthalene-d8	11.108	136	109137	20.000	ng/ul	-0.02
38) Acenaphthene-d10	14.909	164	71521	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.658	188	134647m	20.000	ng/ul	0.00
79) Chrysene-d12	21.982	240	130126m	20.000	ng/ul	0.00
88) Perylene-d12	25.489	264	136113m	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.601	96	1800	2.788	ng/uL	0.00
4) Pyridine-d5	4.030	84	27362	14.027	ng/ul	-0.02
7) Phenol-d5	7.407	99	53696	22.430	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.578	67	34655	24.351	ng/ul	-0.02
11) 2-Chlorophenol-d4	7.801	132	38448	23.092	ng/ul	-0.01
15) 4-Methylphenol-d8	8.964	113	43687	23.608	ng/ul	-0.02
21) Nitrobenzene-d5	9.440	128	21589	26.981	ng/ul	-0.02
24) 2-Nitrophenol-d4	10.174	143	22921	26.204	ng/ul	-0.01
28) 2,4-Dichlorophenol-d3	10.715	165	42474	22.392	ng/ul	-0.02
31) 4-Chloroaniline-d4	11.232	131	63874	25.576	ng/ul	0.00
46) Dimethylphthalate-d6	14.298	166	125780	21.972	ng/ul	-0.02
49) Acenaphthylene-d8	14.603	160	162617	22.873	ng/ul	-0.01
54) 4-Nitrophenol-d4	15.068	143	16768	18.012	ng/ul	0.00
60) Fluorene-d10	15.902	176	107809	21.020	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.002	200	11912	16.980	ng/ul	0.00
73) Anthracene-d10	17.758	188	159627	24.852	ng/ul	0.00
81) Pyrene-d10	20.037	212	173151m	22.109	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.242	264	163574	22.840	ng/ul	0.00
Target Compounds						
					Qvalue	
8) Phenol	7.437	94	3296	1.385	ng/ul#	94
30) Naphthalene	11.161	128	389888	66.310	ng/ul	97
32) 4-Chloroaniline	11.255	127	42829	16.794	ng/ul	97
36) 2-Methylnaphthalene	12.753	142	70226	16.741	ng/ul	100
37) 1-Methylnaphthalene	12.970	142	126499	29.044	ng/ul	99
43) 1,1'-Biphenyl	13.740	154	26166	4.776	ng/ul	97
52) Acenaphthene	14.974	153	34841	7.582	ng/ul	90
56) Dibenzofuran	15.303	168	34906	5.158	ng/ul#	82
61) Fluorene	15.955	166	27954	5.013	ng/ul#	90
67) N-Nitrosodiphenylamine	16.154	169	62871m	17.360	ng/ul	
72) Phenanthrene	17.705	178	79121m	11.425	ng/ul	
80) Fluoranthene	19.702	202	24499m	2.725	ng/ul	
82) Pyrene	20.067	202	27332m	3.072	ng/ul	
83) Butylbenzylphthalate	20.936	149	27667m	9.273	ng/ul	
86) Bis(2-ethylhexyl)phtha...	21.882	149	6903551m	1651.936	ng/ul	
87) Chrysene	22.029	228	12253m	1.498	ng/ul	
89) Di-n-octyl phthalate	23.168	149	1113177	151.839	ng/ul	100

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

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