

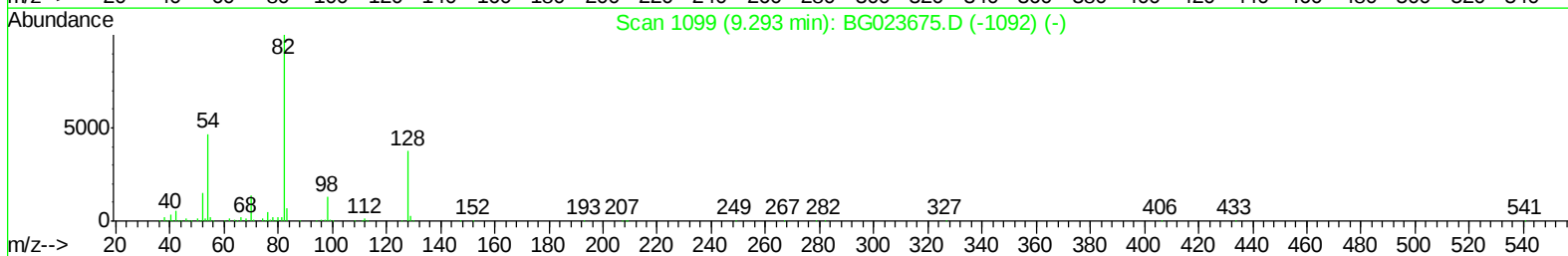
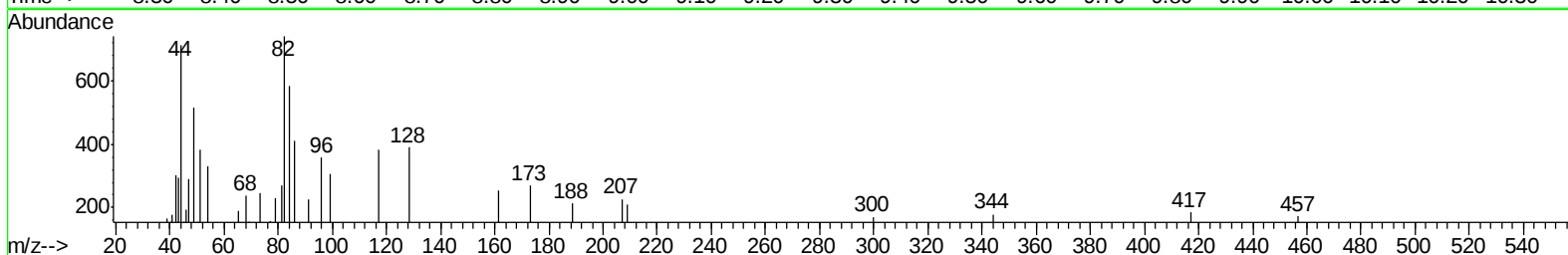
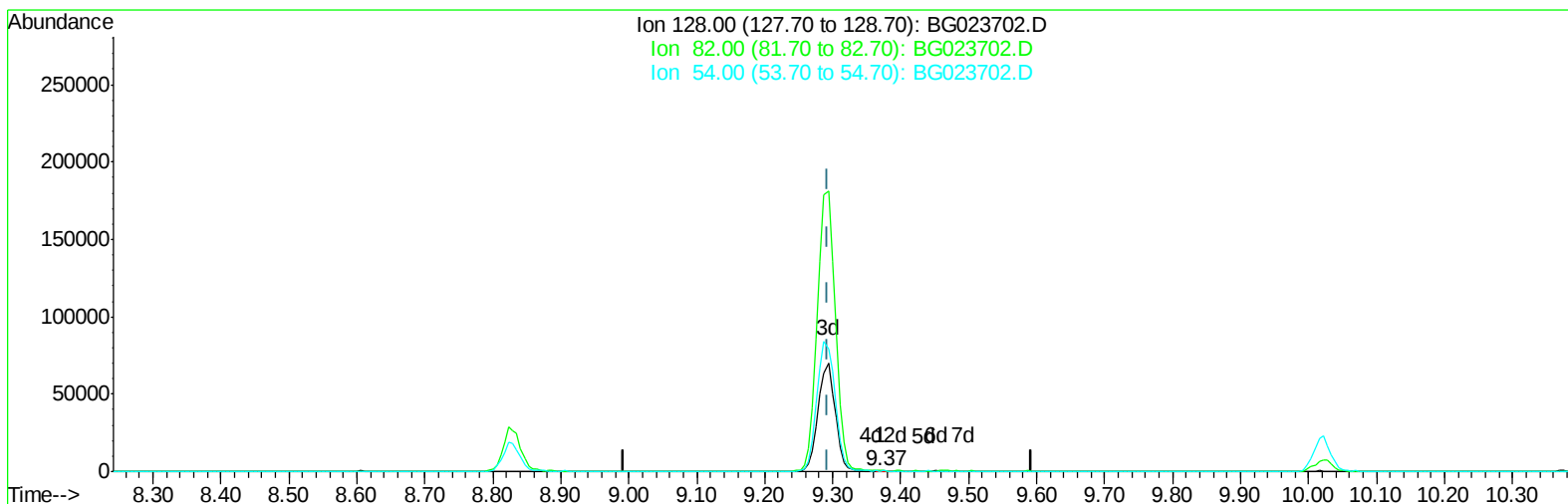
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023702.D
Acq On : 14 Aug 2016 00:09
Operator : UM/SJ
Sample : H4385-11
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS003-2430-01

Manual Integrations
APPROVED

umangi
8/16/2016 6:59:41 PM

Quant Time: Aug 15 19:08:22 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 06:38:14 2016
Response via : Initial Calibration



TIC: BG023702.D

(19) Nitrobenzene-d5 (S)

9.370min (+0.077) 0.07ng/ul

response 295

Ion	Exp%	Act%
128.00	100	100
82.00	219.50	190.26
54.00	78.50	84.36
0.00	0.00	0.00

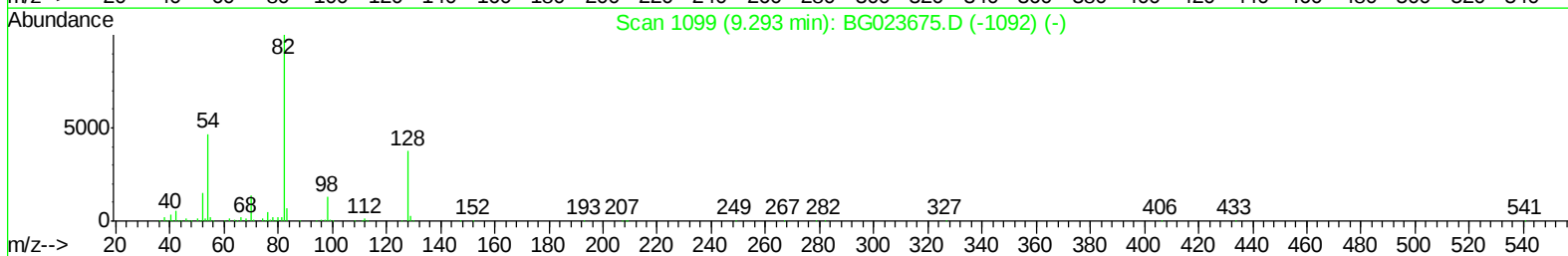
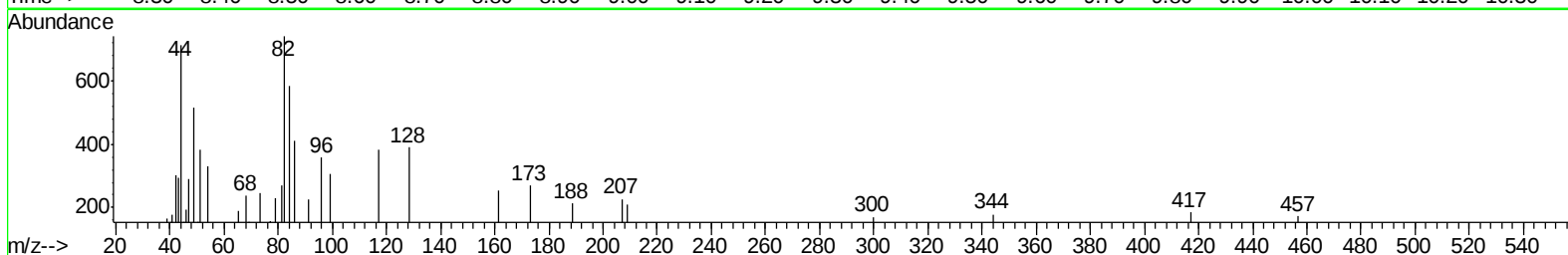
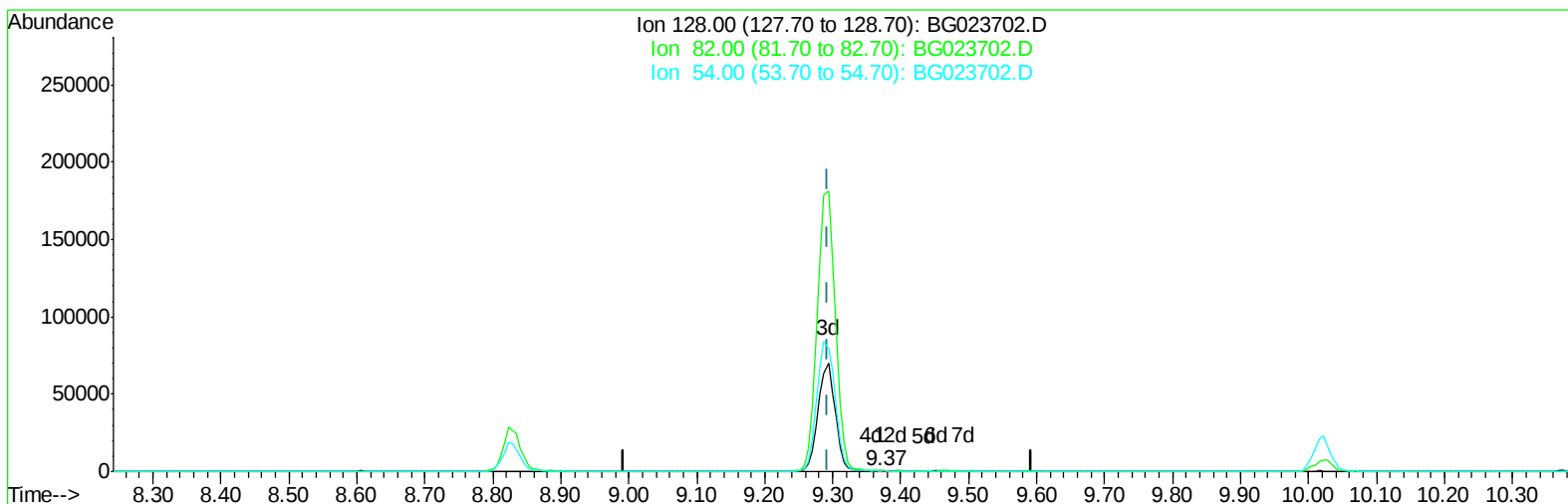
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023702.D
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Sample : H4385-11
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Manual Integrations
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TIC: BG023702.D

(19) Nitrobenzene-d5 (S)

9.370min (+0.077) 0.07ng/ul

response 295

Ion	Exp%	Act%
128.00	100	100
82.00	219.50	190.26
54.00	78.50	84.36
0.00	0.00	0.00

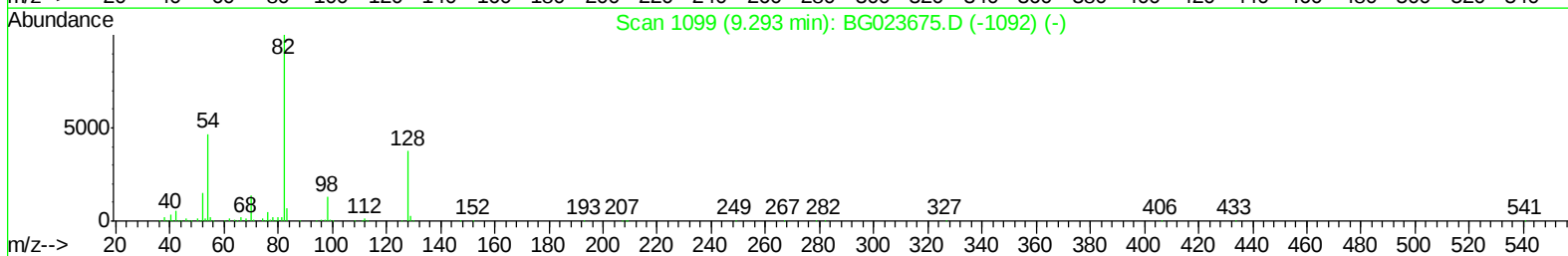
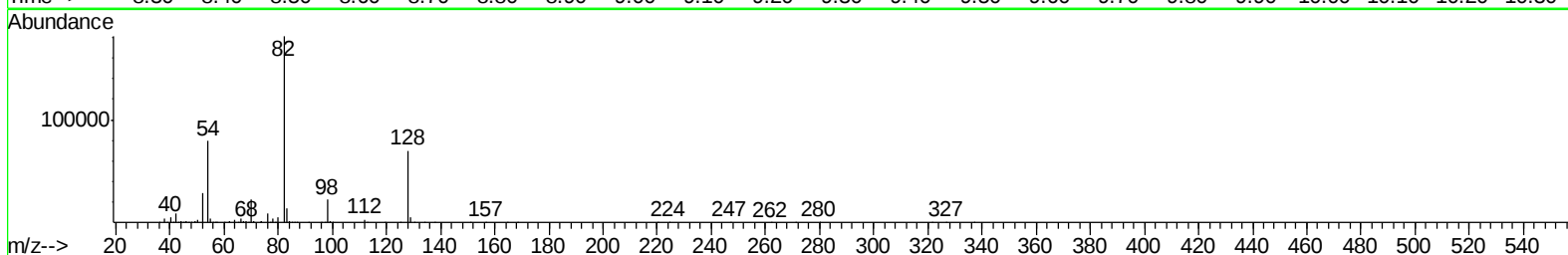
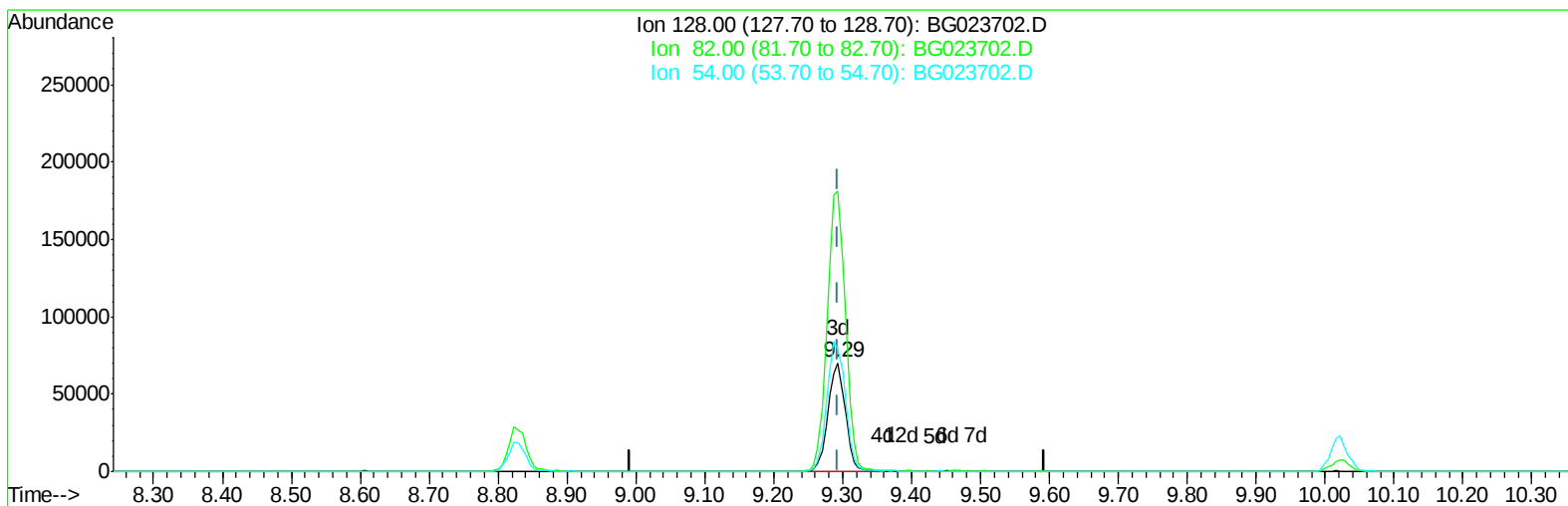
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023702.D
Acq On : 14 Aug 2016 00:09
Operator : UM/SJ
Sample : H4385-11
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS003-2430-01

Manual Integrations
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Quant Time: Aug 15 19:08:22 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 06:38:14 2016
Response via : Initial Calibration



TIC: BG023702.D

(19) Nitrobenzene-d5 (S)

9.293min (+0.001) 27.46ng/ul m

response 121403

Ion	Exp%	Act%
128.00	100	100
82.00	219.50	258.72
54.00	78.50	112.82#
0.00	0.00	0.00

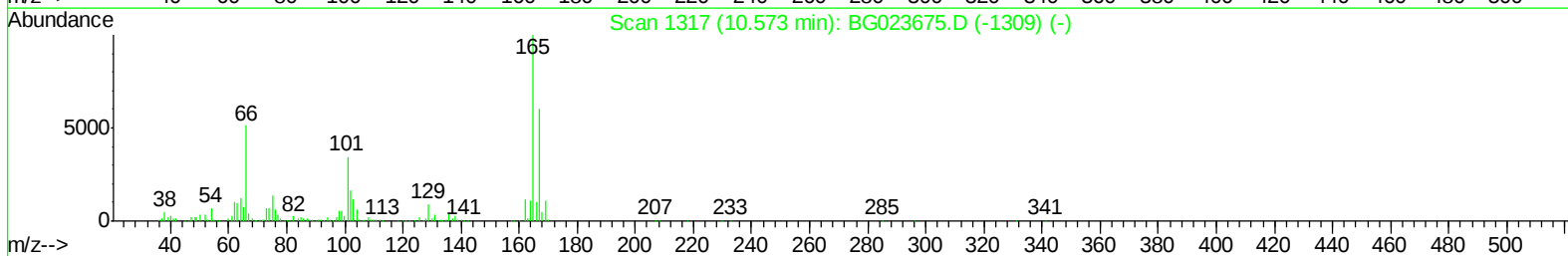
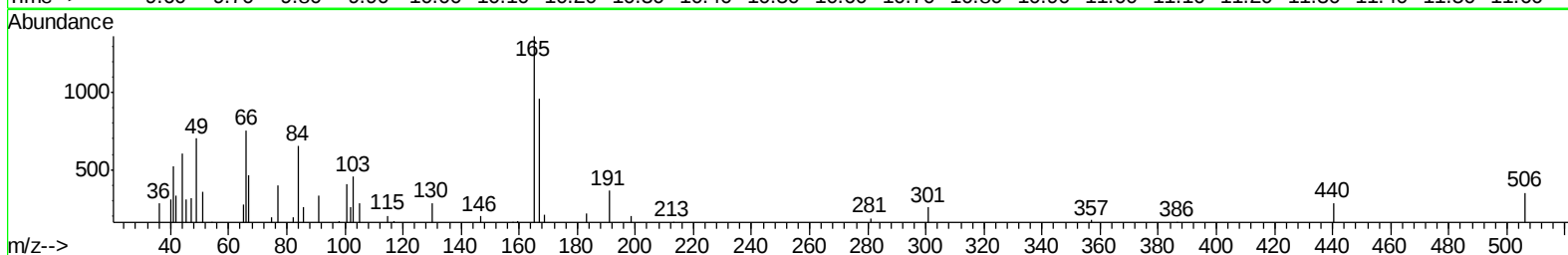
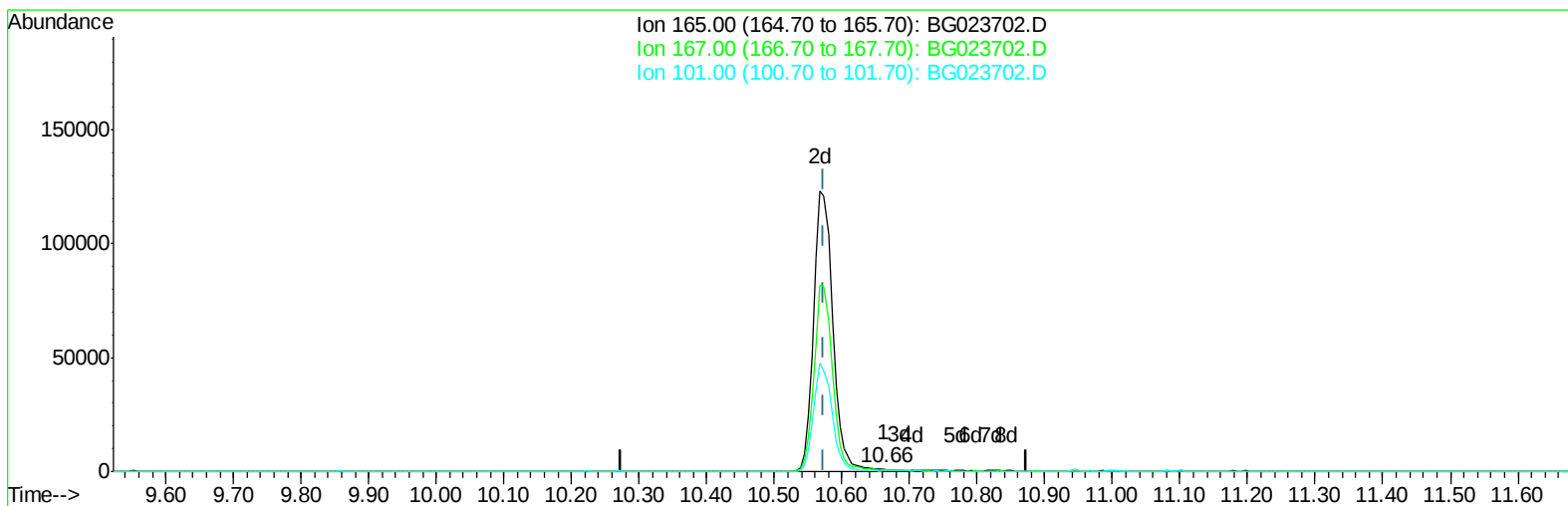
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023702.D
Acq On : 14 Aug 2016 00:09
Operator : UM/SJ
Sample : H4385-11
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS003-2430-01

Manual Integrations
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Quant Time: Aug 15 19:08:22 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 06:38:14 2016
Response via : Initial Calibration



TIC: BG023702.D

(26) 2,4-Dichlorophenol-d3 (S)

10.662min (+0.089) 0.07ng/ul

response 651

Ion	Exp%	Act%
165.00	100	100
167.00	60.90	70.26
101.00	31.80	29.82
0.00	0.00	0.00

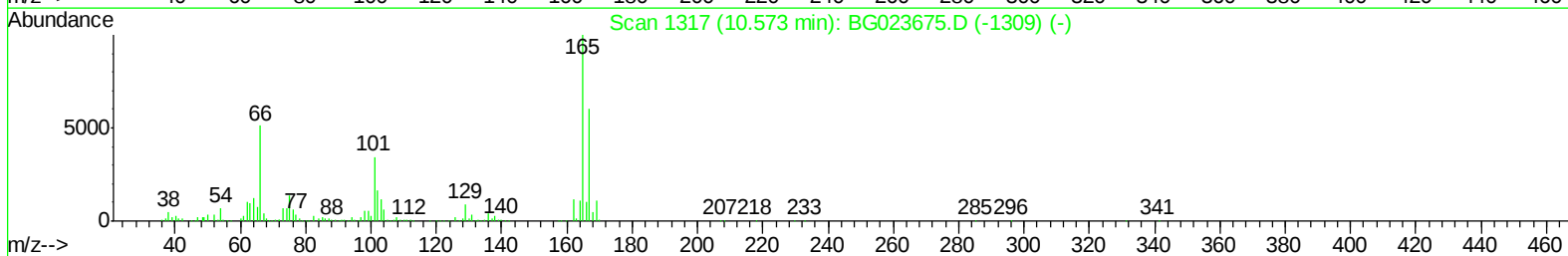
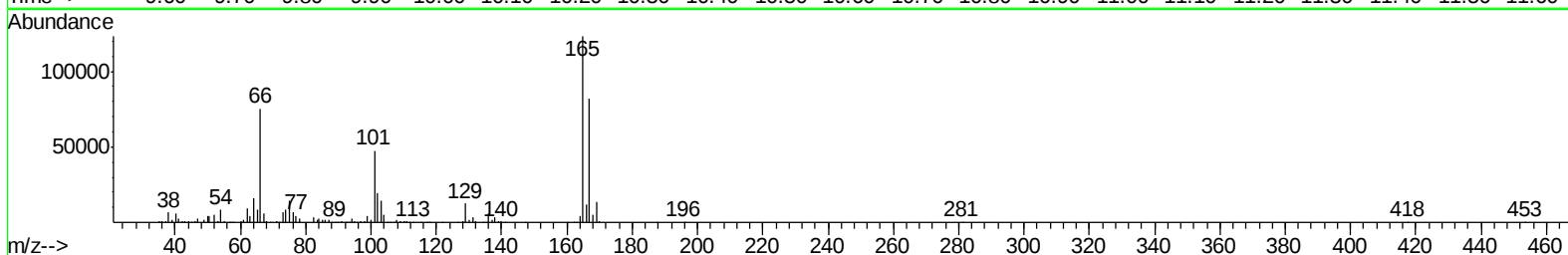
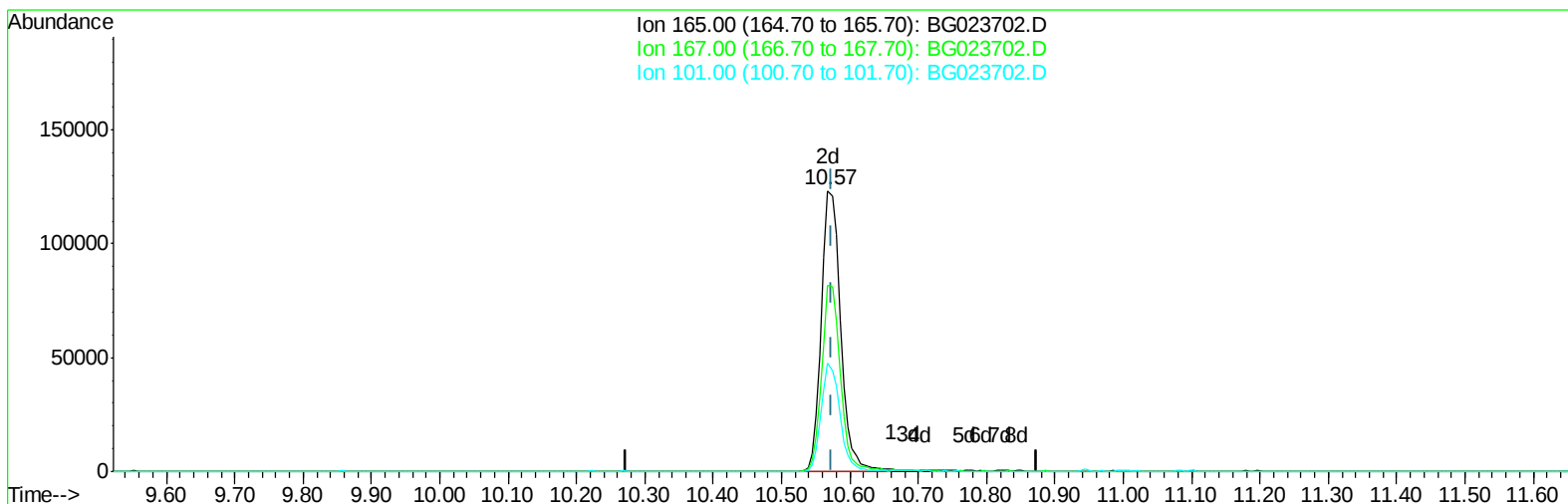
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023702.D
Acq On : 14 Aug 2016 00:09
Operator : UM/SJ
Sample : H4385-11
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS003-2430-01

Manual Integrations
APPROVED

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Quant Time: Aug 15 19:08:22 2016
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Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 06:38:14 2016
Response via : Initial Calibration



TIC: BG023702.D

(26) 2,4-Dichlorophenol-d3 (S)

10.568min (-0.005) 25.22ng/ul m

response 241556

Ion	Exp%	Act%
165.00	100	100
167.00	60.90	66.37
101.00	31.80	38.73#
0.00	0.00	0.00

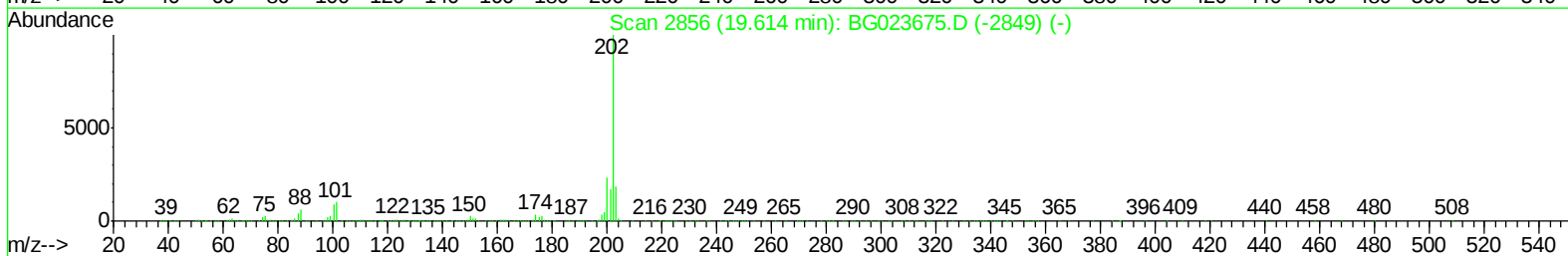
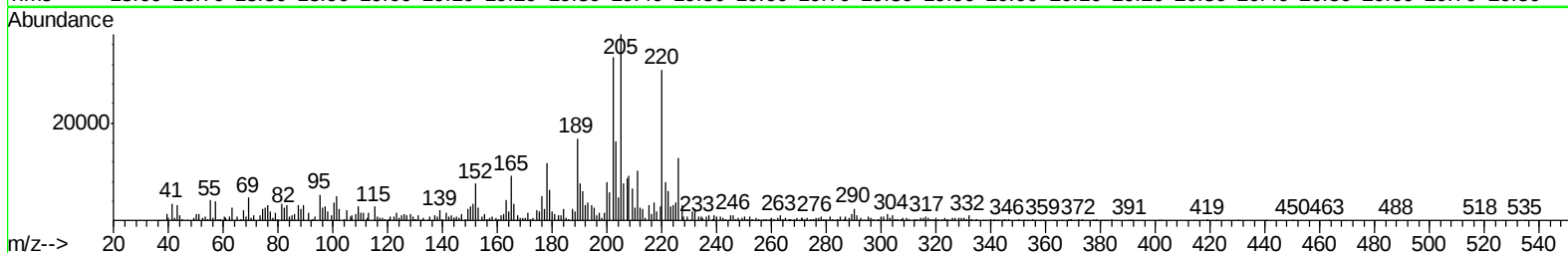
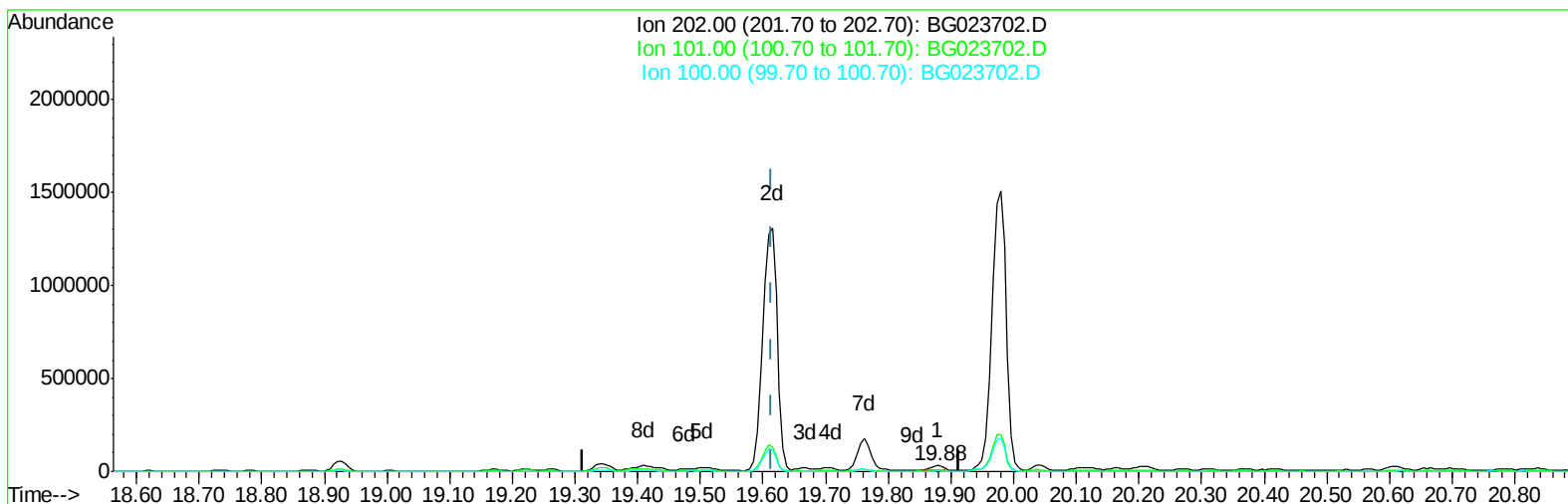
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023702.D
Acq On : 14 Aug 2016 00:09
Operator : UM/SJ
Sample : H4385-11
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS003-2430-01

Manual Integrations
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Quant Time: Aug 15 19:08:22 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
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QLast Update : Sat Aug 13 06:38:14 2016
Response via : Initial Calibration



TIC: BG023702.D

(74) Fluoranthene (C)

19.879min (+0.265) 0.90ng/ul

response 33605

Ion	Exp%	Act%
202.00	100	100
101.00	13.30	15.28
100.00	10.90	11.19
0.00	0.00	0.00

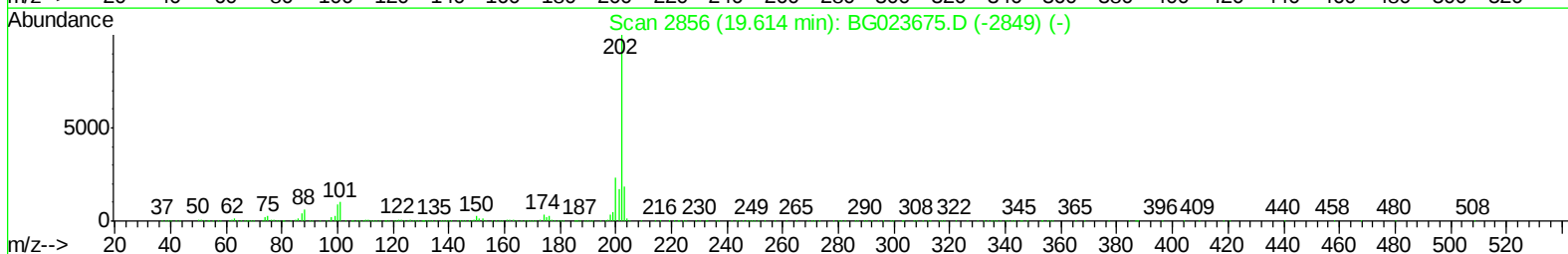
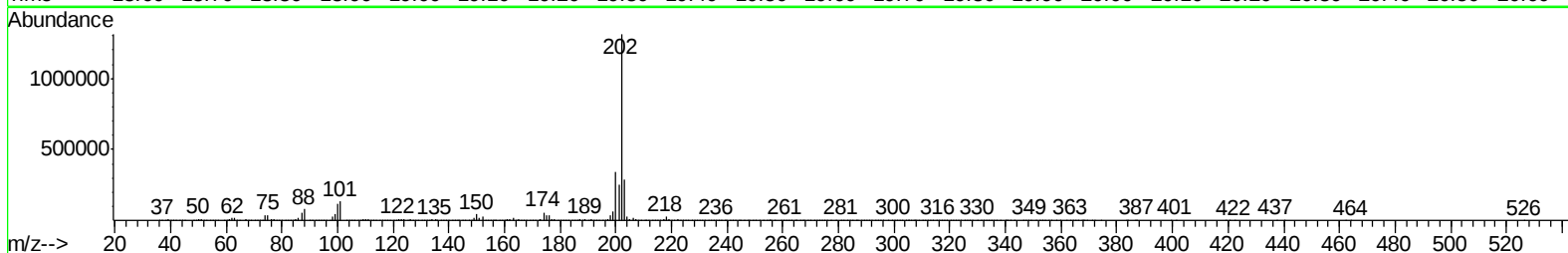
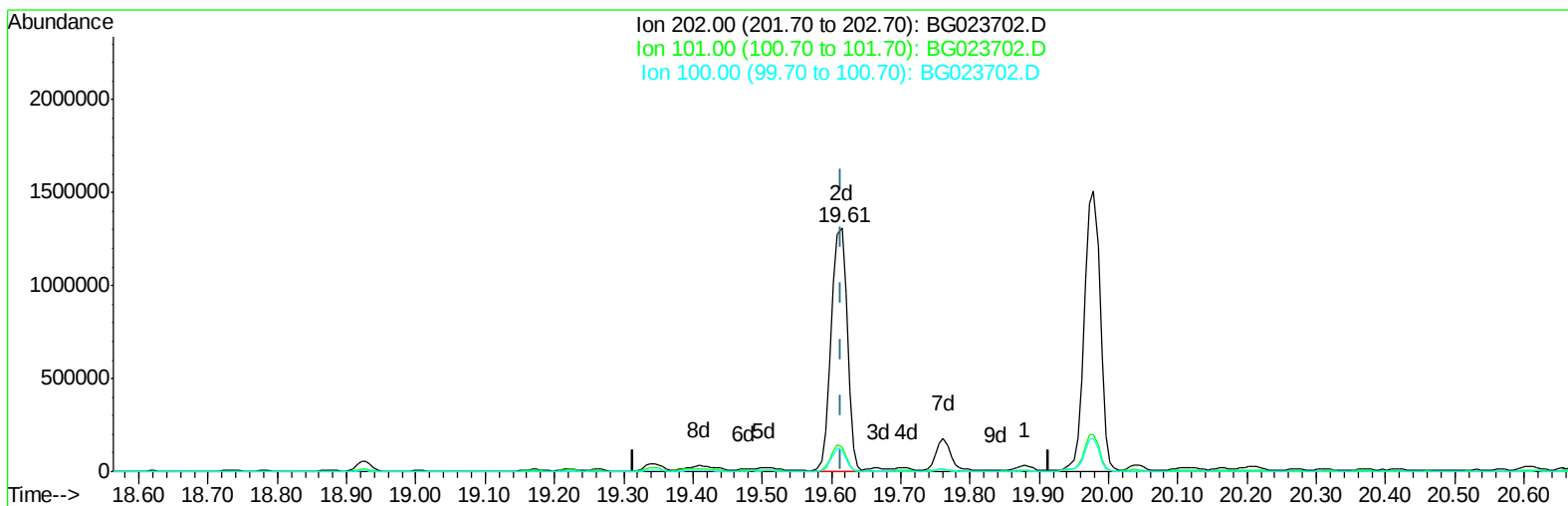
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023702.D
Acq On : 14 Aug 2016 00:09
Operator : UM/SJ
Sample : H4385-11
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS003-2430-01

Manual Integrations
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Quant Time: Aug 15 19:08:22 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 06:38:14 2016
Response via : Initial Calibration



TIC: BG023702.D

(74) Fluoranthene (C)

19.615min (+0.001) 56.71ng/ul m

response 2108541

Ion	Exp%	Act%
202.00	100	100
101.00	13.30	10.13#
100.00	10.90	8.88
0.00	0.00	0.00

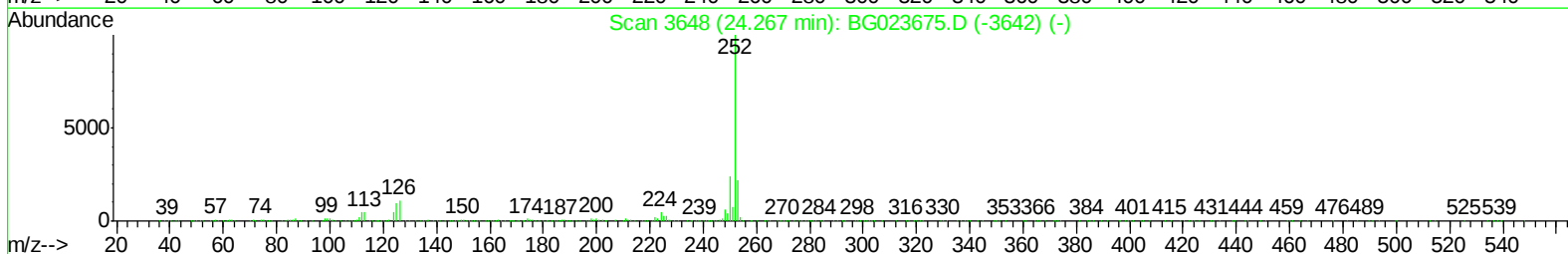
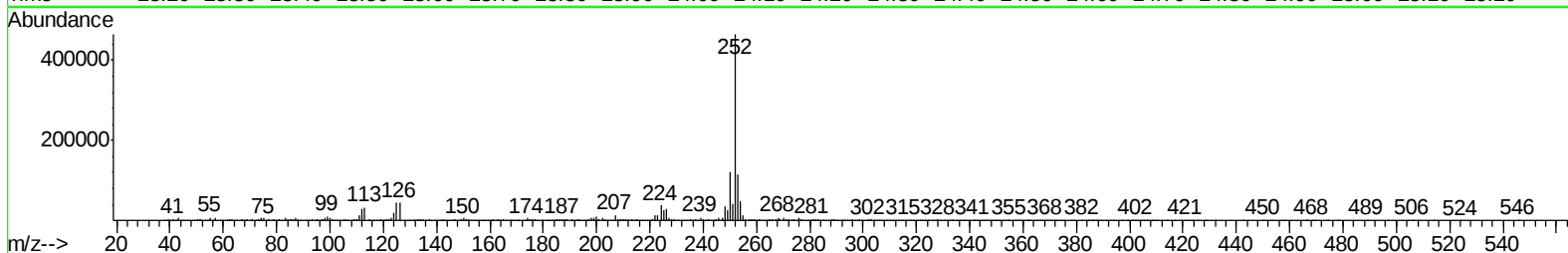
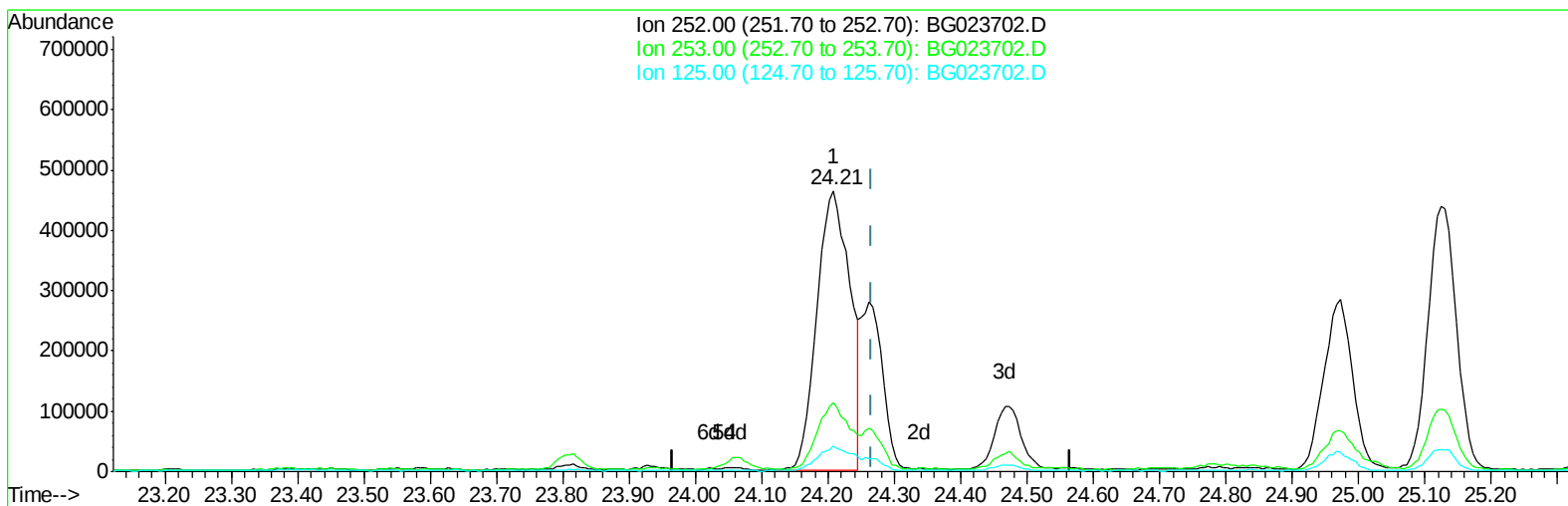
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023702.D
Acq On : 14 Aug 2016 00:09
Operator : UM/SJ
Sample : H4385-11
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS003-2430-01

Manual Integrations
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8/16/2016 6:59:41 PM

Quant Time: Aug 15 19:08:22 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
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Response via : Initial Calibration



TIC: BG023702.D

(86) Benzo(k)fluoranthene

24.208min (-0.058) 37.76ng/ul

response 1587855

Ion	Exp%	Act%
252.00	100	100
253.00	19.70	24.53#
125.00	13.30	9.32#
0.00	0.00	0.00

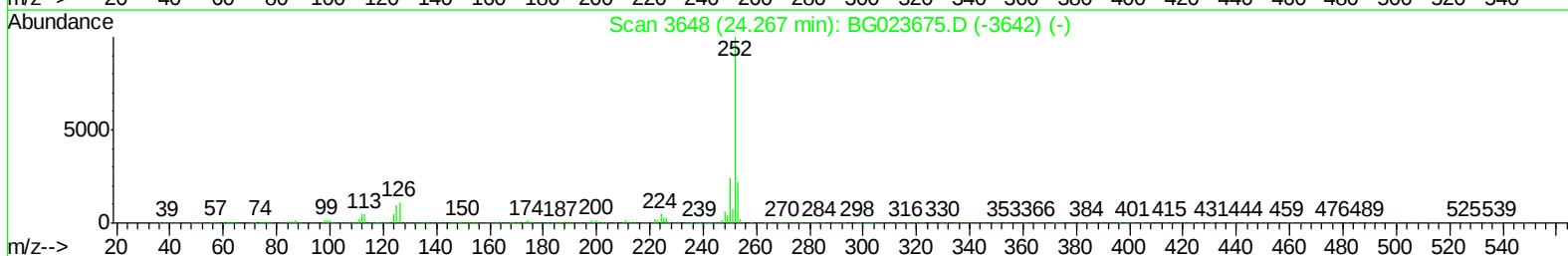
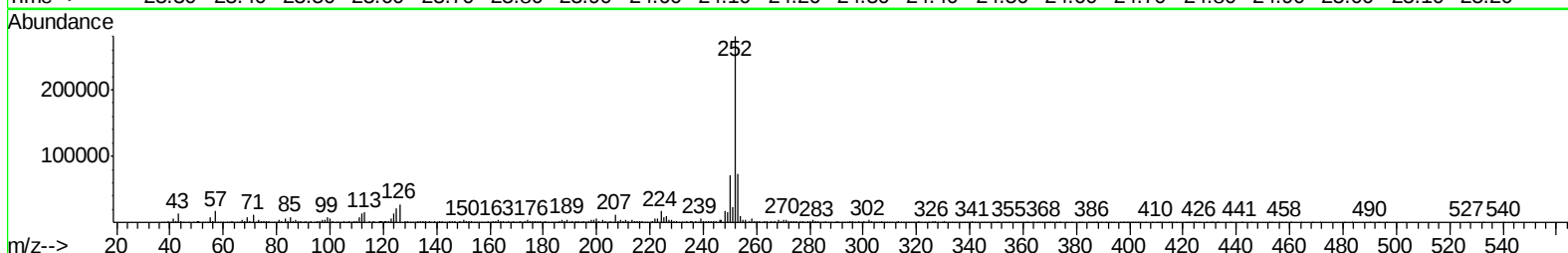
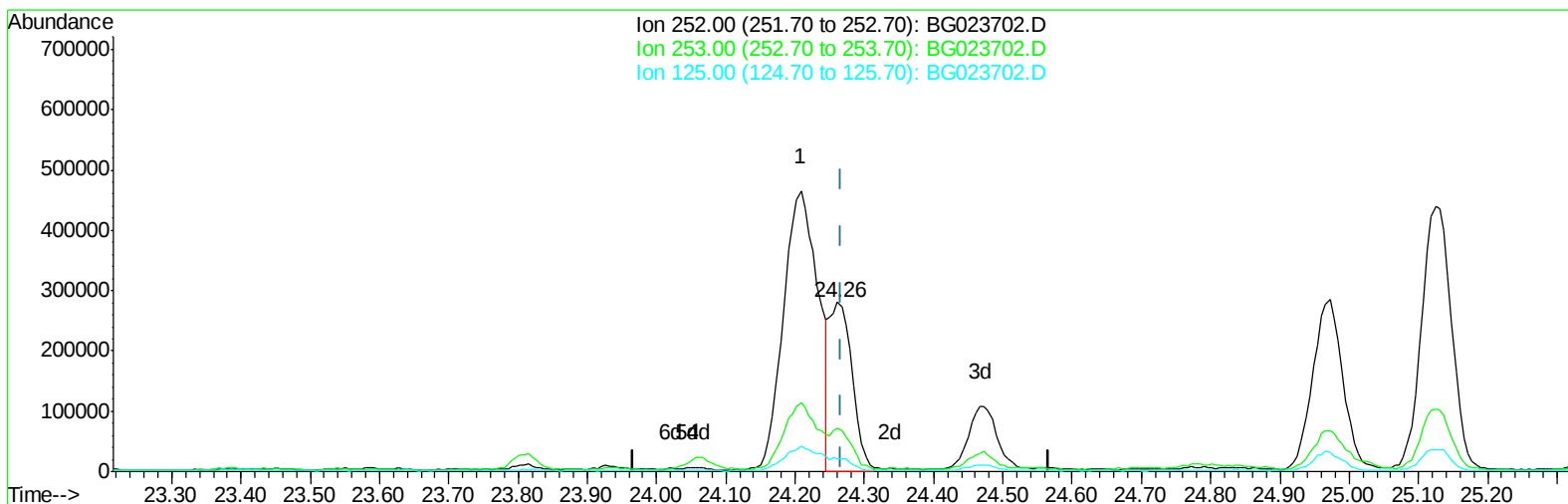
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023702.D
Acq On : 14 Aug 2016 00:09
Operator : UM/SJ
Sample : H4385-11
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS003-2430-01

Manual Integrations
APPROVED

umangi
8/16/2016 6:59:41 PM

Quant Time: Aug 15 19:08:22 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 06:38:14 2016
Response via : Initial Calibration



TIC: BG023702.D

(86) Benzo(k)fluoranthene

24.261min (-0.005) 15.34ng/ul m

response 645197

Ion	Exp%	Act%
252.00	100	100
253.00	19.70	25.86#
125.00	13.30	7.53#
0.00	0.00	0.00

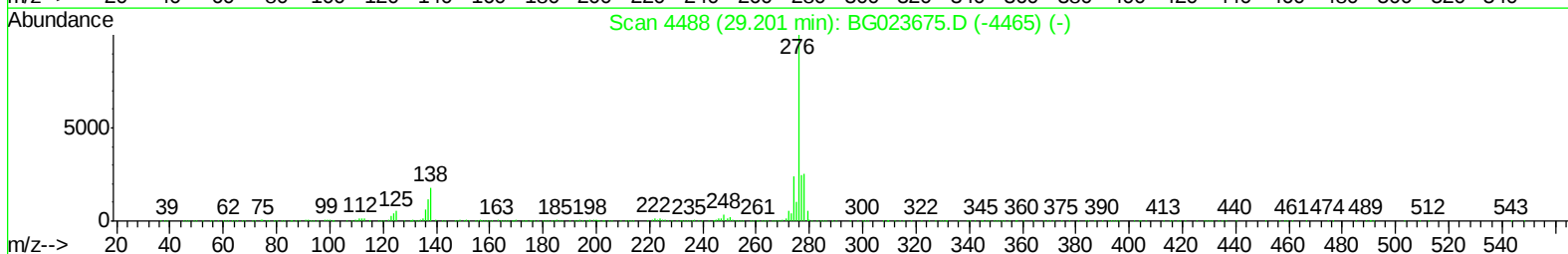
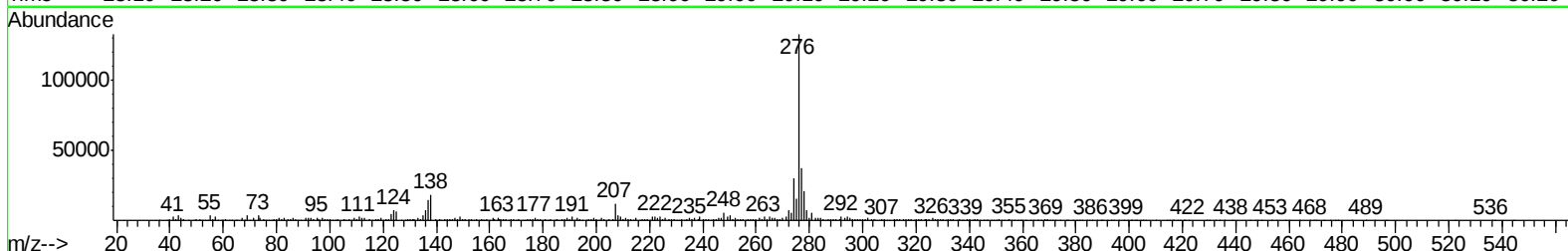
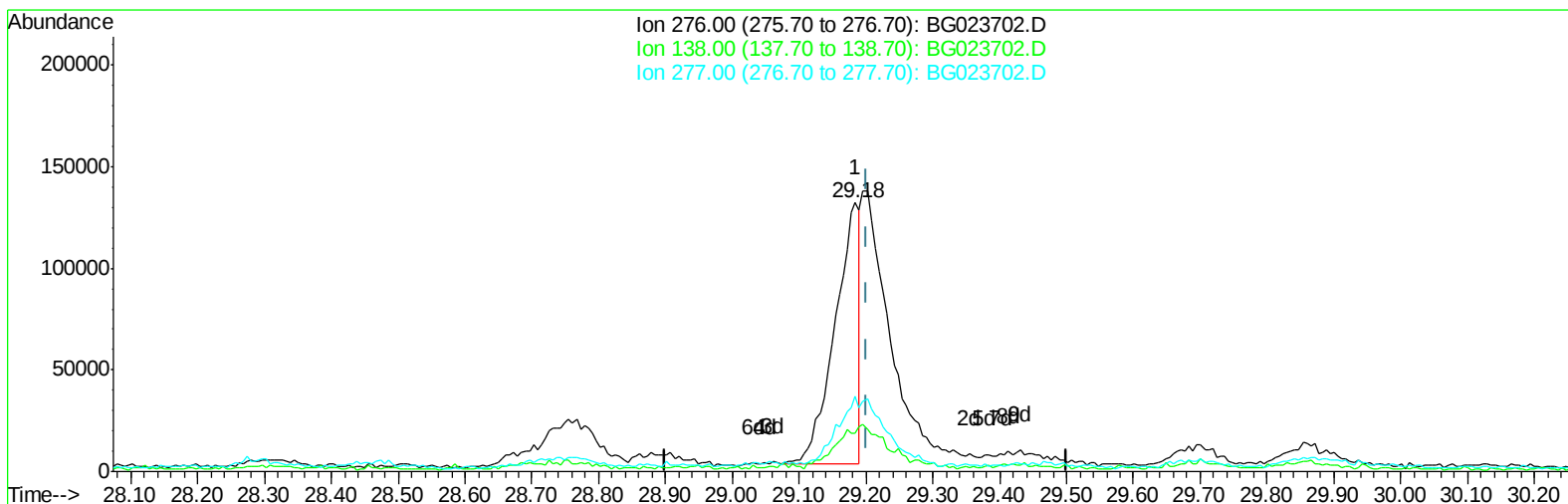
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023702.D
Acq On : 14 Aug 2016 00:09
Operator : UM/SJ
Sample : H4385-11
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS003-2430-01

Manual Integrations
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TIC: BG023702.D

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

29.184min (-0.017) 6.91ng/ul

response 334825

Ion	Exp%	Act%
276.00	100	100
138.00	26.00	14.06#
277.00	22.00	28.03#
0.00	0.00	0.00

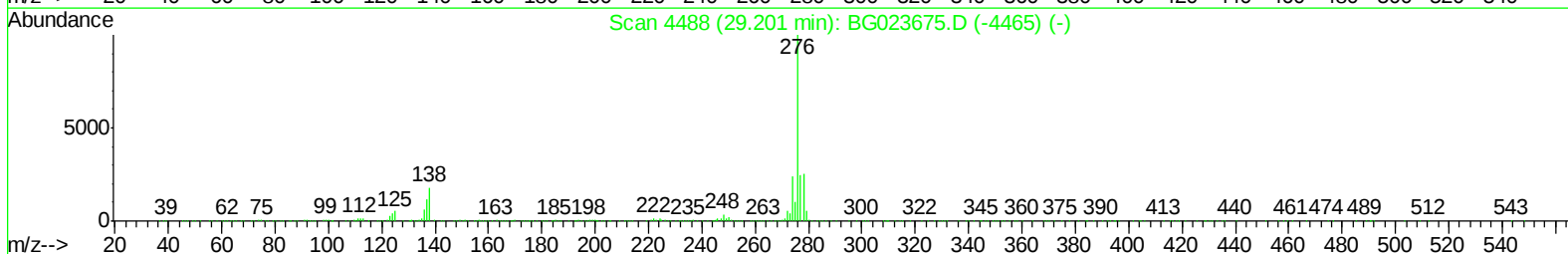
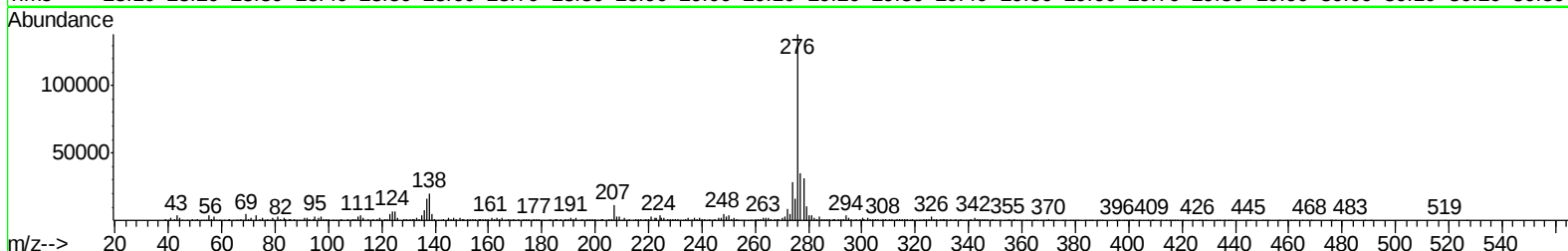
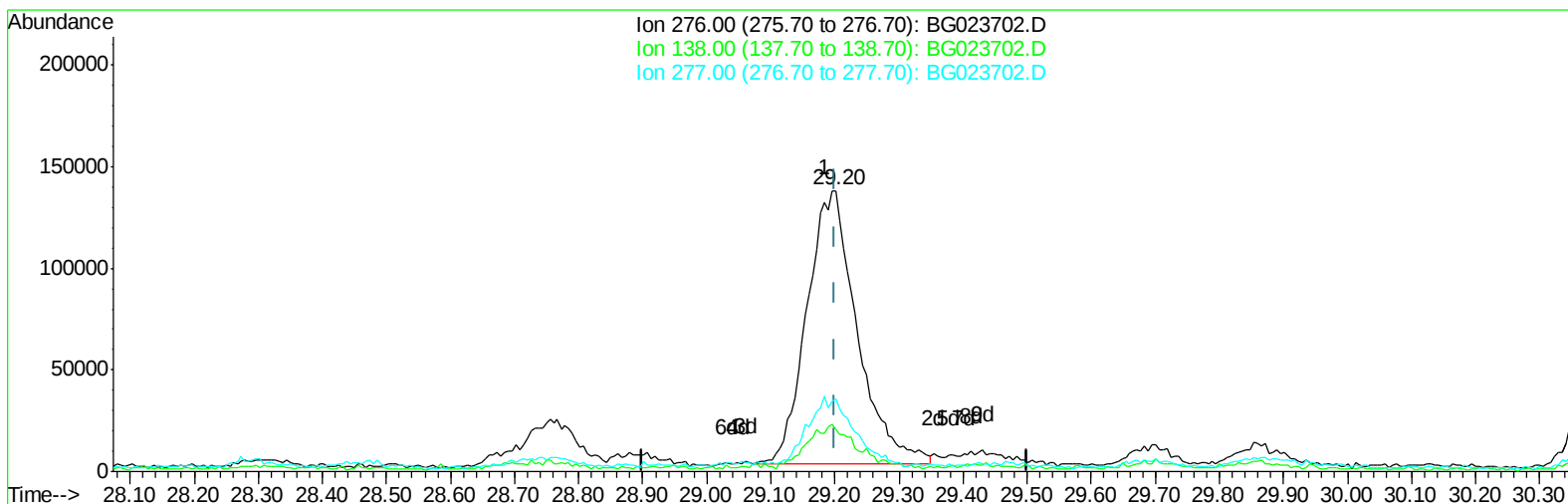
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023702.D
Acq On : 14 Aug 2016 00:09
Operator : UM/SJ
Sample : H4385-11
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS003-2430-01

Manual Integrations
APPROVED

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8/16/2016 6:59:41 PM

Quant Time: Aug 15 19:08:22 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration



TIC: BG023702.D

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

29.202min (+0.001) 15.07ng/ul m

response 730485

Ion	Exp%	Act%
276.00	100	100
138.00	26.00	14.79#
277.00	22.00	25.74
0.00	0.00	0.00

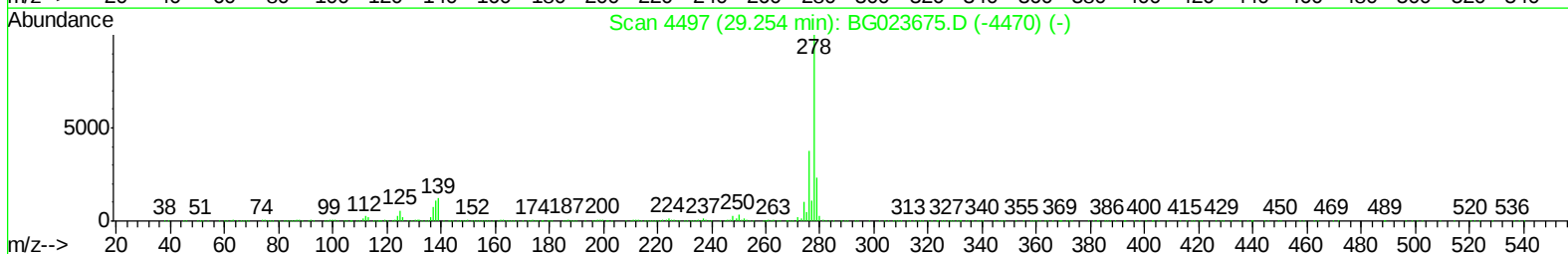
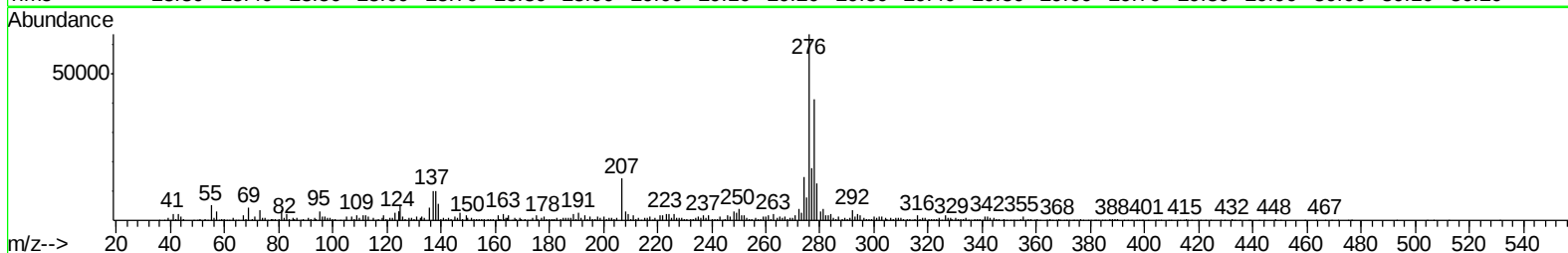
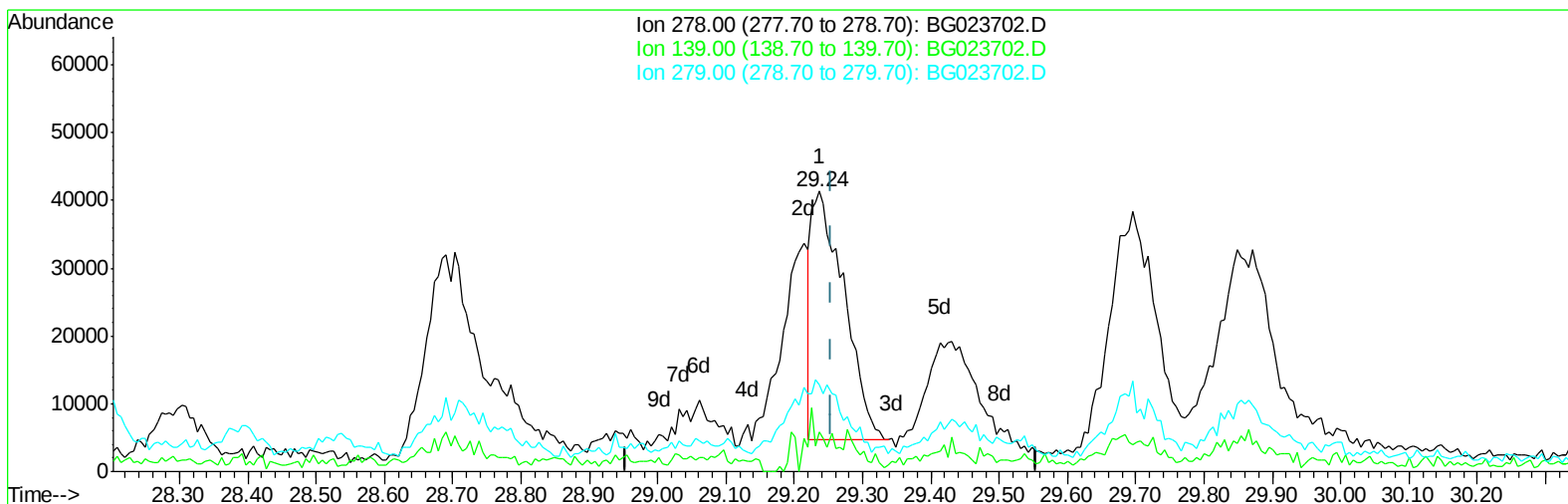
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023702.D
Acq On : 14 Aug 2016 00:09
Operator : UM/SJ
Sample : H4385-11
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Manual Integrations
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
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Response via : Initial Calibration



TIC: BG023702.D

(90) Dibenzo(a,h)anthracene

29.237min (-0.017) 2.98ng/ul

response 123020

Ion	Exp%	Act%
278.00	100	100
139.00	20.40	14.16#
279.00	23.90	30.78#
0.00	0.00	0.00

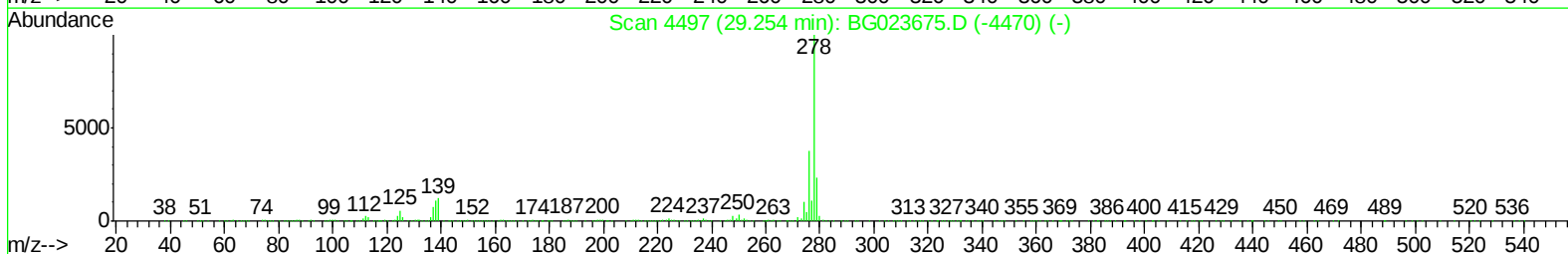
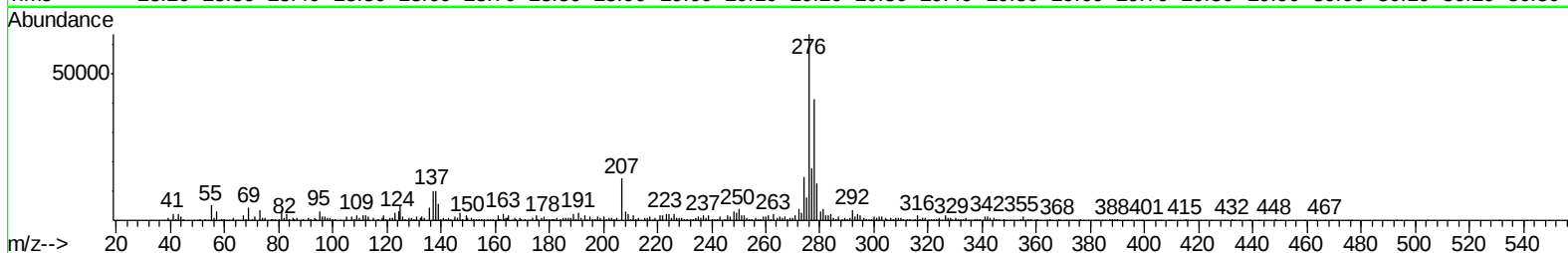
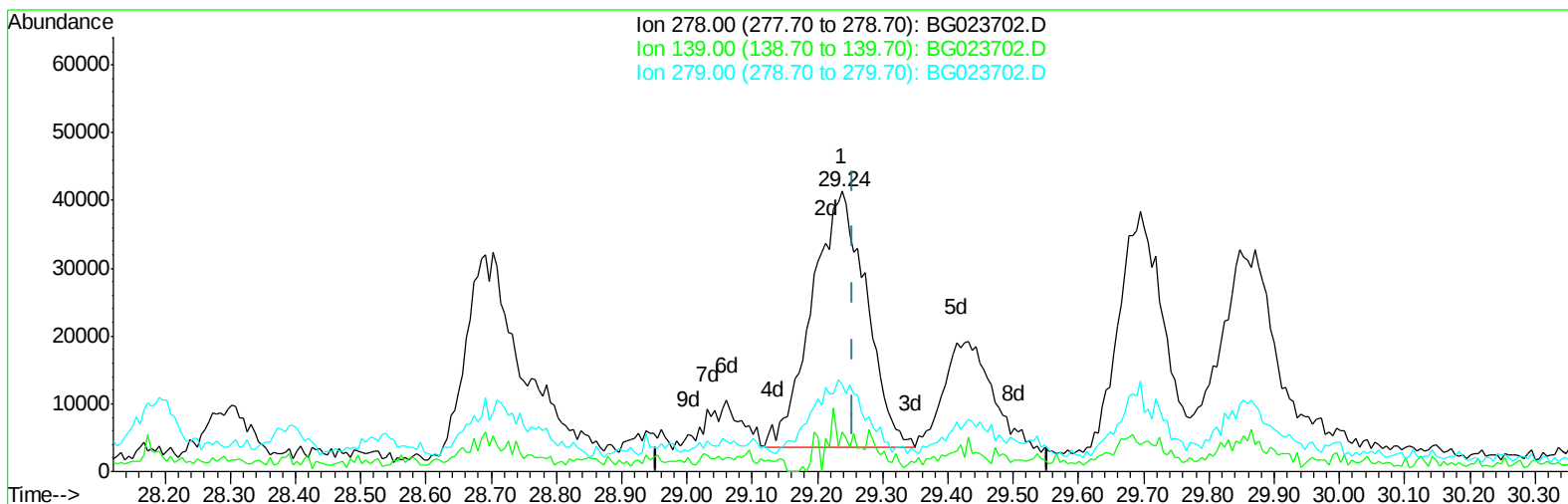
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023702.D
Acq On : 14 Aug 2016 00:09
Operator : UM/SJ
Sample : H4385-11
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS003-2430-01

Manual Integrations
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Response via : Initial Calibration



TIC: BG023702.D

(90) Dibenzo(a,h)anthracene

29.237min (-0.017) 5.22ng/ul m

response 215585

Ion	Exp%	Act%
278.00	100	100
139.00	20.40	14.16#
279.00	23.90	30.78#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
 Data File : BG023702.D
 Acq On : 14 Aug 2016 00:09
 Operator : UM/SJ
 Sample : H4385-11
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P002-SS003-2430-01

Manual Integrations
 APPROVED

umangi
 8/16/2016 6:59:41 PM

Quant Time: Aug 15 19:15:24 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 13 06:38:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	126224	20.00	ng/ul	0.00
18) Naphthalene-d8	10.95	136	560837	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	341641	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	701288	20.00	ng/ul	0.00
75) Chrysene-d12	21.88	240	724234	20.00	ng/ul	0.00
83) Perylene-d12	25.29	264	750969	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	11135	3.75	ng/uL	0.00
5) Phenol-d5	7.27	99	303140	23.84	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.43	67	199605	24.50	ng/ul	0.00
9) 2-Chlorophenol-d4	7.64	132	215385	24.83	ng/ul	0.00
13) 4-Methylphenol-d8	8.83	113	227572	22.92	ng/ul	0.00
19) Nitrobenzene-d5	9.29	128	121403m	27.46	ng/ul	0.00
22) 2-Nitrophenol-d4	10.02	143	140524	27.68	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.57	165	241556m	25.22	ng/ul	0.00
29) 4-Chloroaniline-d4	11.09	131	241481	21.49	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	754346	26.97	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	914392	29.05	ng/ul	0.00
51) 4-Nitrophenol-d4	15.00	143	106036	22.21	ng/ul	0.00
57) Fluorene-d10	15.78	176	659973	25.53	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.91	200	93141	20.70	ng/ul	0.00
70) Anthracene-d10	17.65	188	930221	29.44	ng/ul	0.00
76) Pyrene-d10	19.95	212	1005149	27.42	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.05	264	1021612	30.05	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	11.00	128	33794	1.19	ng/ul	97
34) 2-Methylnaphthalene	12.61	142	45046	1.95	ng/ul	98
44) Dimethylphthalate	14.23	163	362343	13.08	ng/ul	98
47) Acenaphthylene	14.51	152	256019	7.78	ng/ul	98
49) Acenaphthene	14.85	153	30120	1.34	ng/ul	94
58) Fluorene	15.84	166	135017	4.88	ng/ul	96
69) Phenanthrene	17.59	178	1655314	45.58	ng/ul	95
71) Anthracene	17.69	178	252555	6.82	ng/ul	98
72) Carbazole	17.96	167	52254	1.75	ng/ul#	90
74) Fluoranthene	19.61	202	2108541m	56.71	ng/ul	
77) Pyrene	19.98	202	2402422	53.66	ng/ul	96
80) Benzo(a)anthracene	21.86	228	1510040	37.02	ng/ul#	92
81) Bis(2-ethylhexyl)phthalate	21.73	149	1214376	53.18	ng/ul#	96
82) Chrysene	21.93	228	1475216	39.78	ng/ul#	91
85) Benzo(b)fluoranthene	24.21	252	1587855	37.17	ng/ul#	94
86) Benzo(k)fluoranthene	24.26	252	645197m	15.34	ng/ul	
88) Benzo(a)pyrene	25.12	252	1309817	31.76	ng/ul#	93
89) Indeno(1,2,3-cd)pyrene	29.20	276	730485m	15.07	ng/ul	
90) Dibenzo(a,h)anthracene	29.24	278	215585m	5.22	ng/ul	
91) Benzo(g,h,i)perylene	30.42	276	616426	15.34	ng/ul#	84

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

Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023702.D
Acq On : 14 Aug 2016 00:09
Operator : UM/SJ
Sample : H4385-11
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS003-2430-01

Manual Integrations
APPROVED

umangi
8/16/2016 6:59:41 PM

Quant Time: Aug 15 19:15:24 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 06:38:14 2016
Response via : Initial Calibration

