

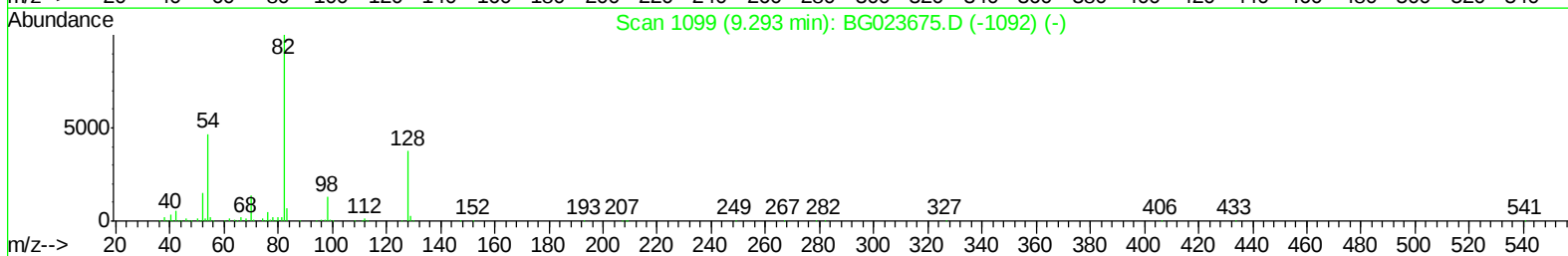
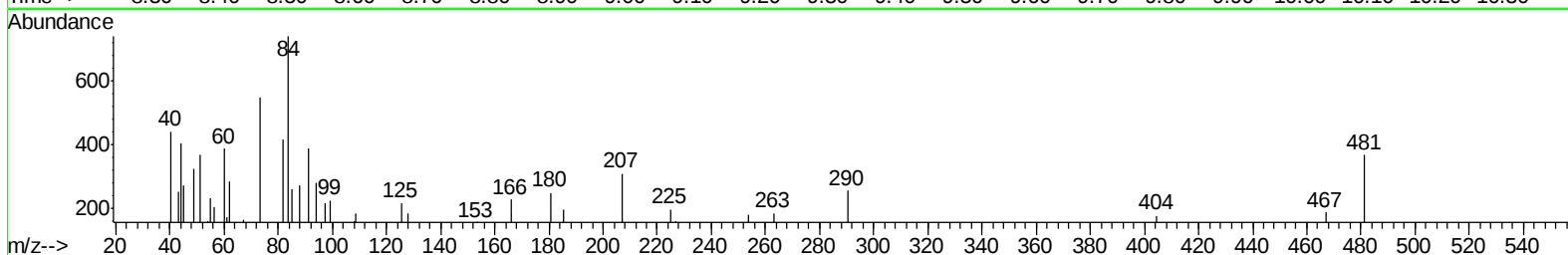
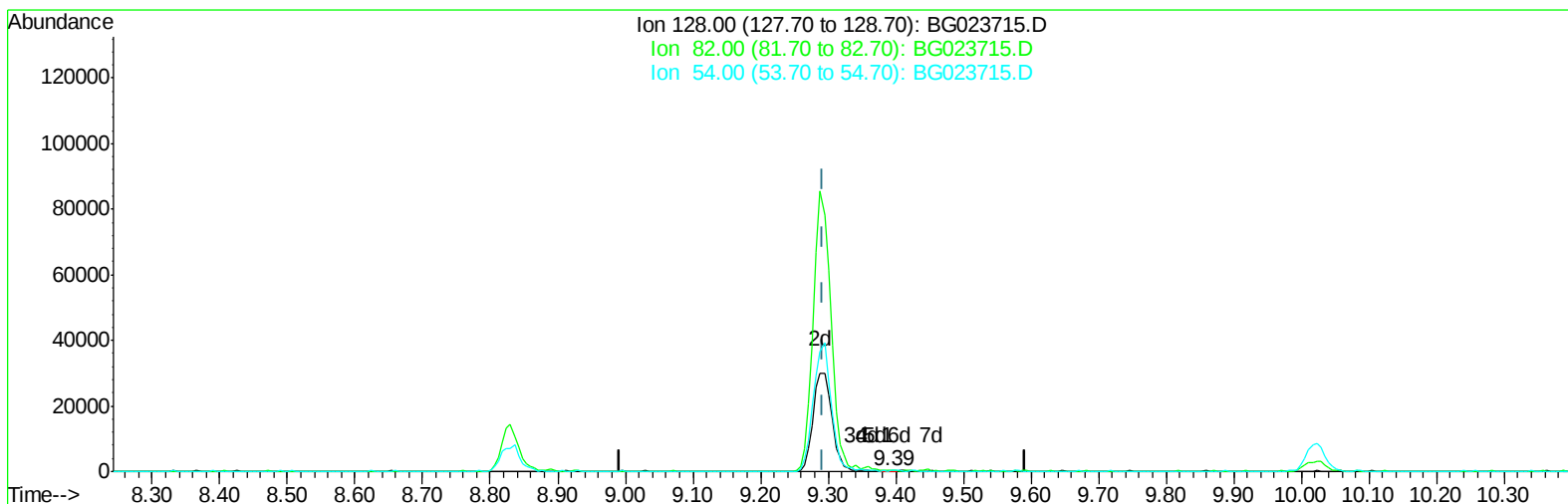
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
 Data File : BG023715.D
 Acq On : 14 Aug 2016 8:57
 Operator : UM/SJ
 Sample : H4385-16DL 2X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P002-SS004-1218-01DL

Manual Integrations
 APPROVED

umangi
 8/16/2016 7:00:36 PM

Quant Time: Aug 15 19:11:21 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 15 18:52:38 2016
 Response via : Initial Calibration



TIC: BG023715.D

(19) Nitrobenzene-d5 (S)

9.388min (+0.096) 0.04ng/ul

response 186

Ion	Exp%	Act%
128.00	100	100
82.00	219.50	228.02
54.00	78.50	86.81
0.00	0.00	0.00

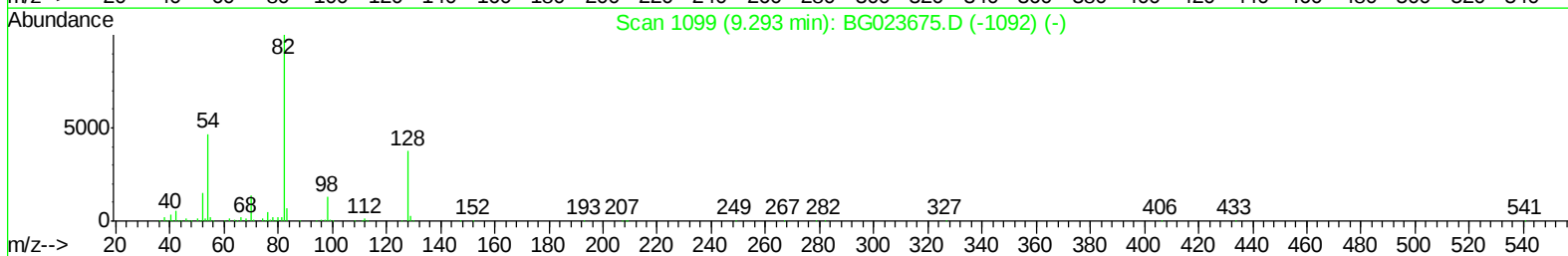
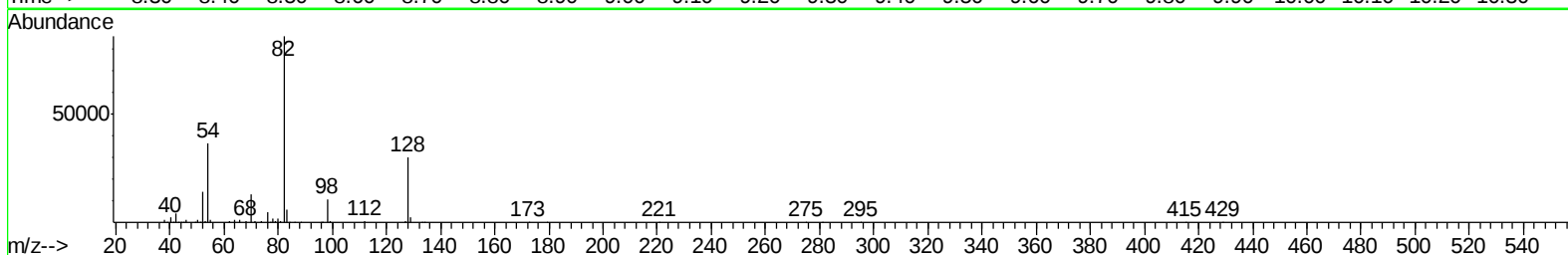
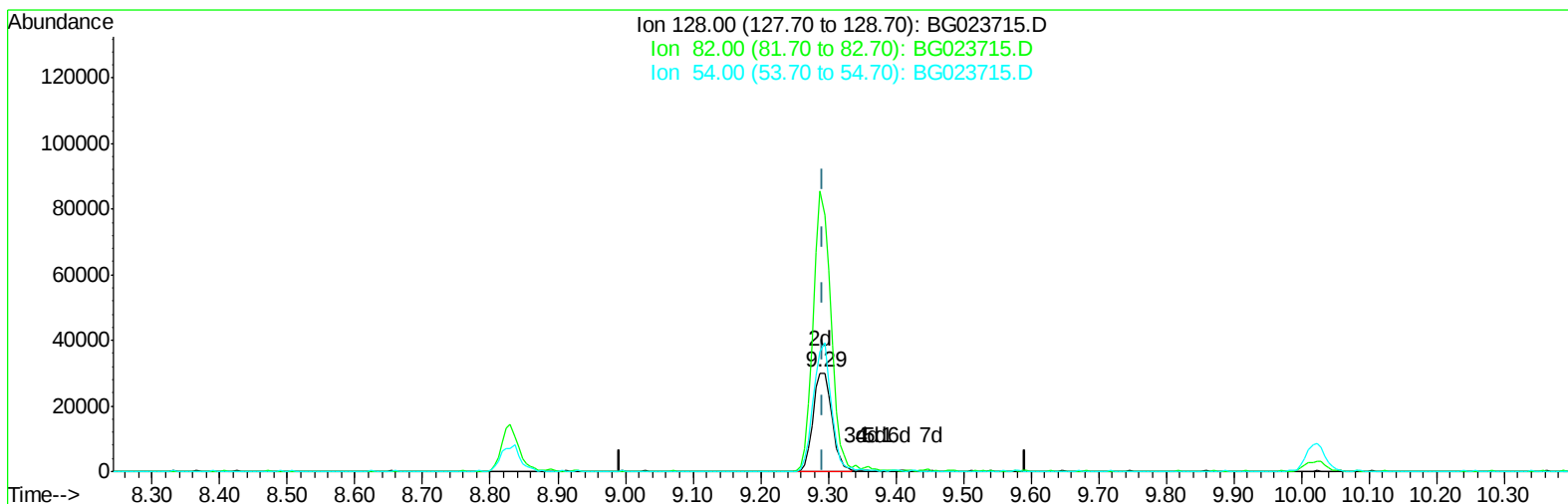
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 Data File : BG023715.D
 Acq On : 14 Aug 2016 8:57
 Operator : UM/SJ
 Sample : H4385-16DL 2X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P002-SS004-1218-01DL

Manual Integrations
 APPROVED

umangi
 8/16/2016 7:00:36 PM

Quant Time: Aug 15 19:11:21 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 15 18:52:38 2016
 Response via : Initial Calibration



TIC: BG023715.D

(19) Nitrobenzene-d5 (S)

9.288min (-0.004) 12.63ng/ul m

response 56989

Ion	Exp%	Act%
128.00	100	100
82.00	219.50	285.00#
54.00	78.50	122.17#
0.00	0.00	0.00

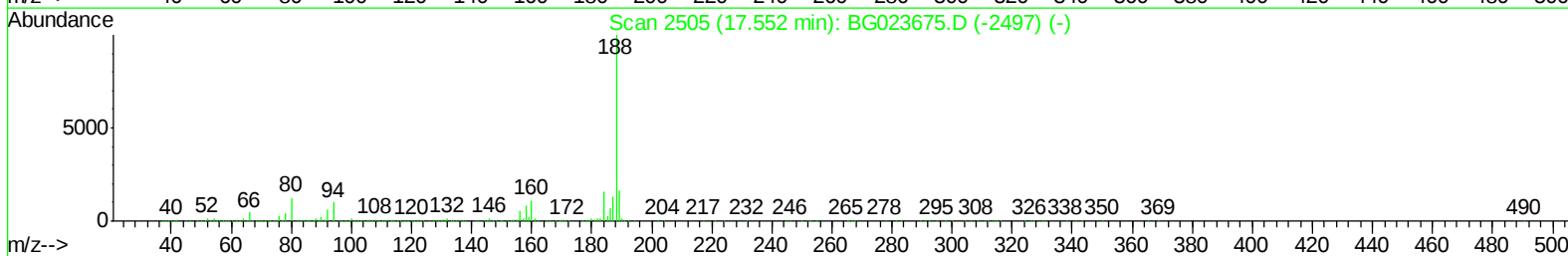
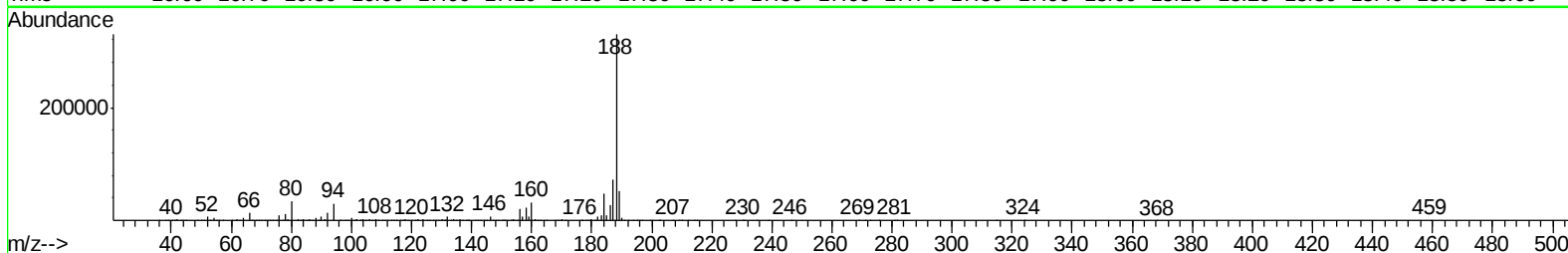
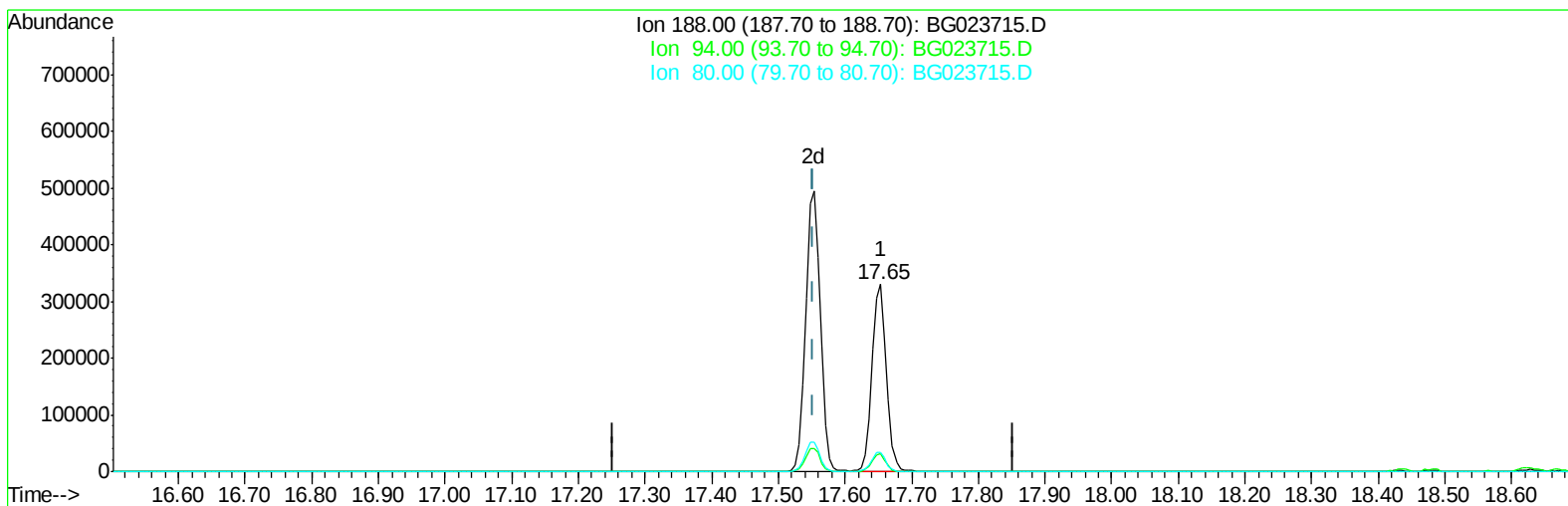
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023715.D
Acq On : 14 Aug 2016 8:57
Operator : UM/SJ
Sample : H4385-16DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01DL

Manual Integrations
APPROVED

umangi
8/16/2016 7:00:36 PM

Quant Time: Aug 15 19:11:21 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration



TIC: BG023715.D

(61) Phenanthrene-d10 (I)

17.654min (+0.101) 20.00ng/ul

response 492134

Ion	Exp%	Act%
188.00	100	100
94.00	10.30	9.26
80.00	10.90	10.43
0.00	0.00	0.00

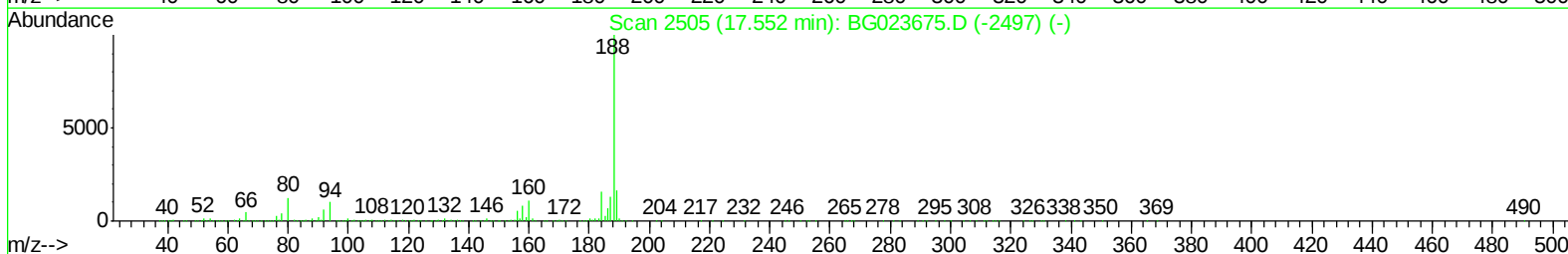
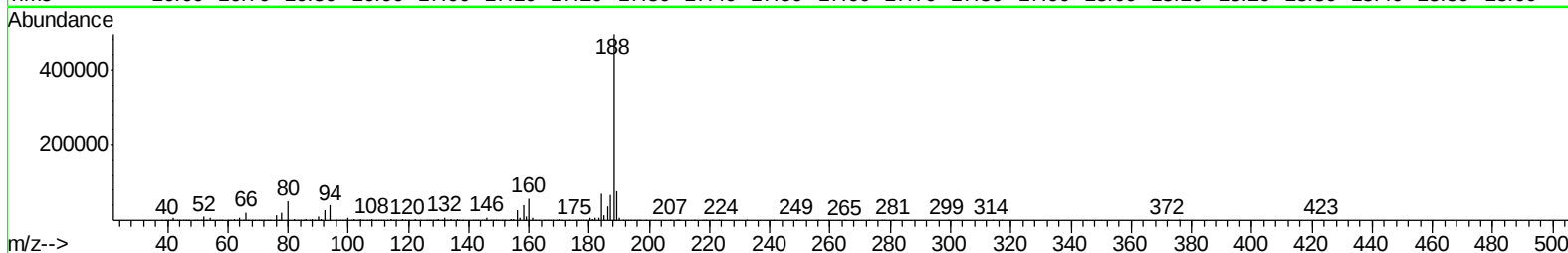
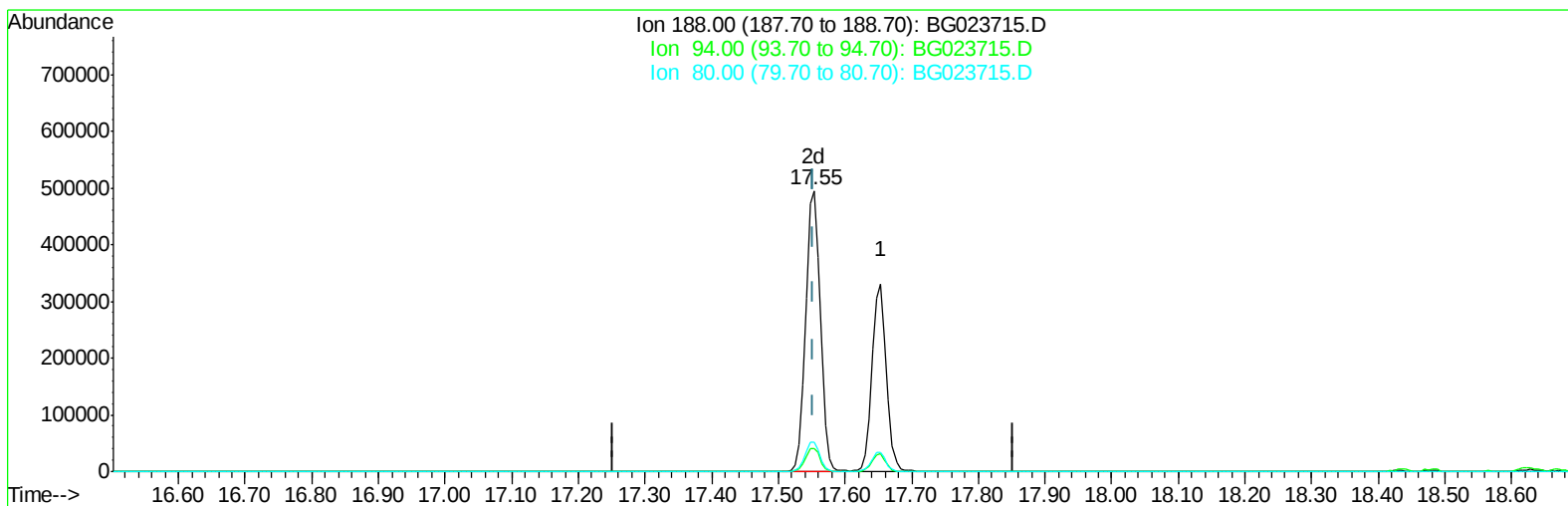
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023715.D
Acq On : 14 Aug 2016 8:57
Operator : UM/SJ
Sample : H4385-16DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01DL

Manual Integrations
APPROVED

umangi
8/16/2016 7:00:36 PM

Quant Time: Aug 15 19:11:21 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration



TIC: BG023715.D

(61) Phenanthrene-d10 (I)

17.554min (+0.002) 20.00ng/ul m

response 774740

Ion	Exp%	Act%
188.00	100	100
94.00	10.30	8.17#
80.00	10.90	10.65
0.00	0.00	0.00

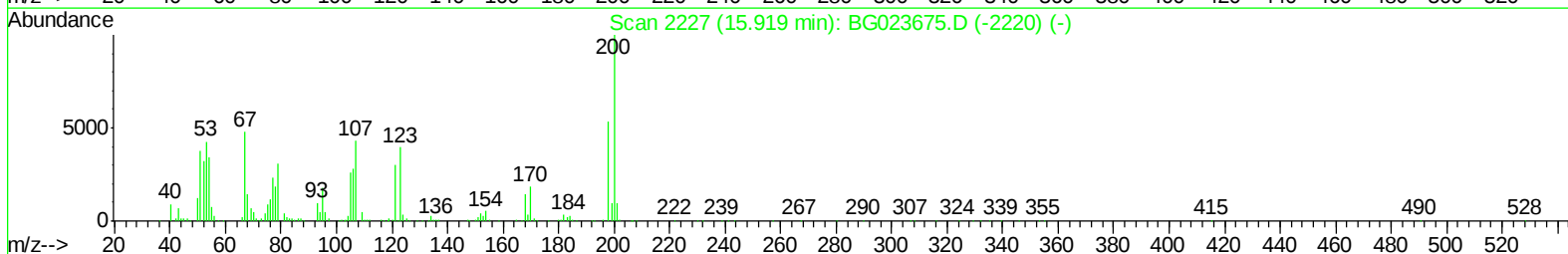
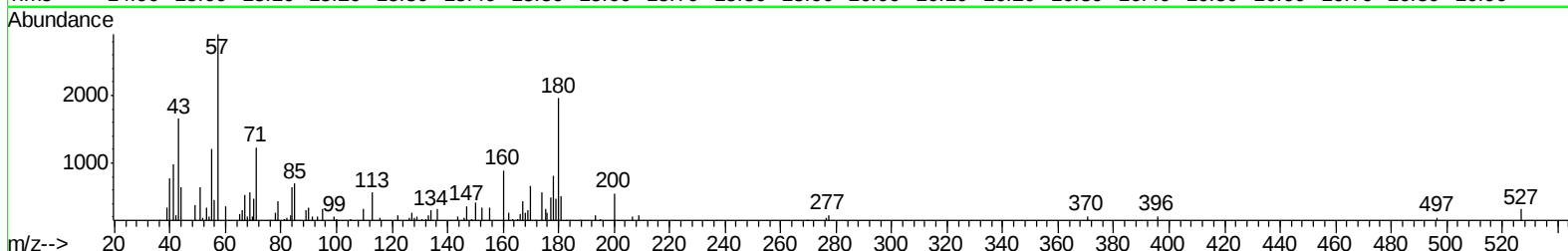
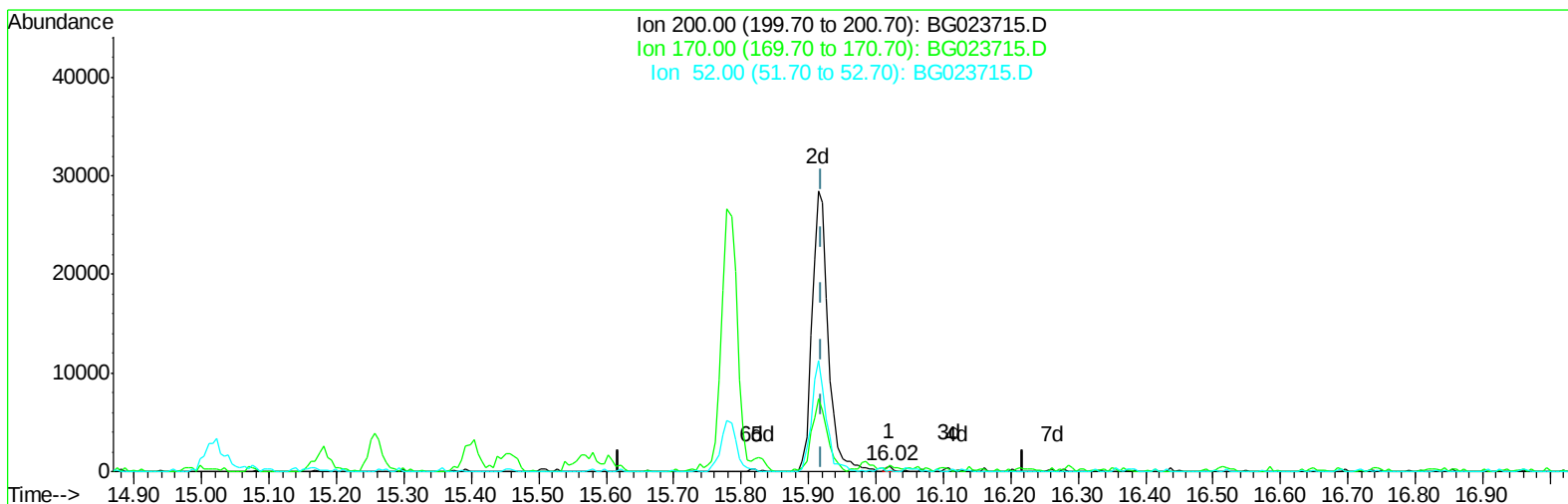
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023715.D
Acq On : 14 Aug 2016 8:57
Operator : UM/SJ
Sample : H4385-16DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01DL

Manual Integrations
APPROVED

umangi
8/16/2016 7:00:36 PM

Quant Time: Aug 15 19:12:42 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration



TIC: BG023715.D

(62) 4,6-Dinitro-2-methylphenol-d2 (S)

16.020min (+0.101) 0.08ng/ul

response 407

Ion	Exp%	Act%
200.00	100	100
170.00	15.20	120.15#
52.00	32.20	35.57
0.00	0.00	0.00

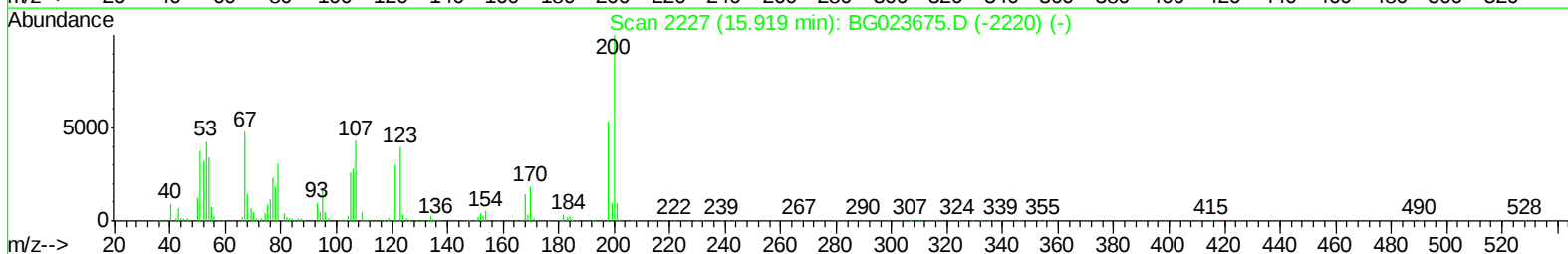
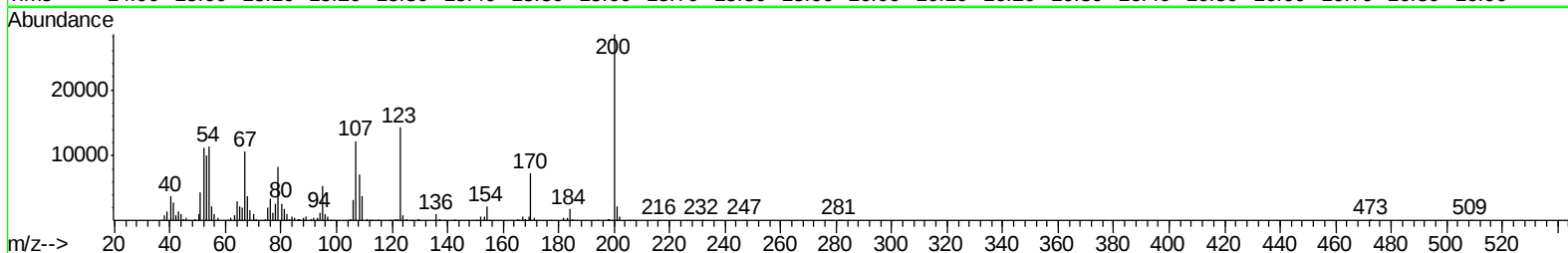
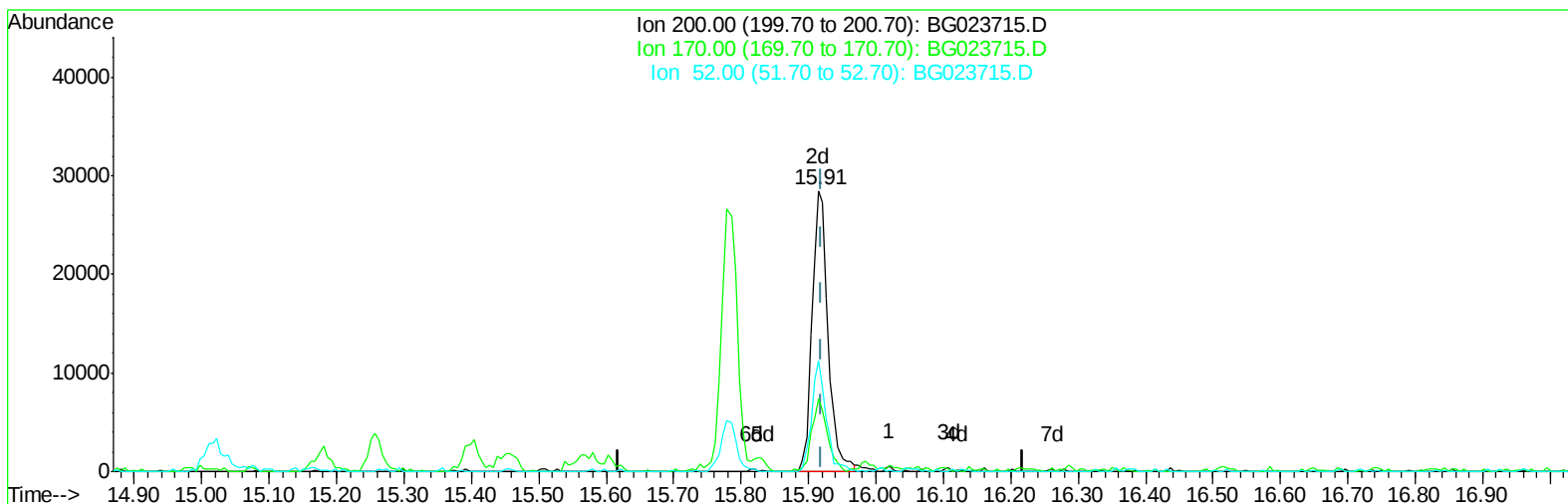
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023715.D
Acq On : 14 Aug 2016 8:57
Operator : UM/SJ
Sample : H4385-16DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01DL

Manual Integrations
APPROVED

umangi
8/16/2016 7:00:36 PM

Quant Time: Aug 15 19:12:42 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration



TIC: BG023715.D

(62) 4,6-Dinitro-2-methylphenol-d2 (S)

15.915min (-0.004) 9.55ng/ul m

response 47482

Ion	Exp%	Act%
200.00	100	100
170.00	15.20	25.72#
52.00	32.20	39.38#
0.00	0.00	0.00

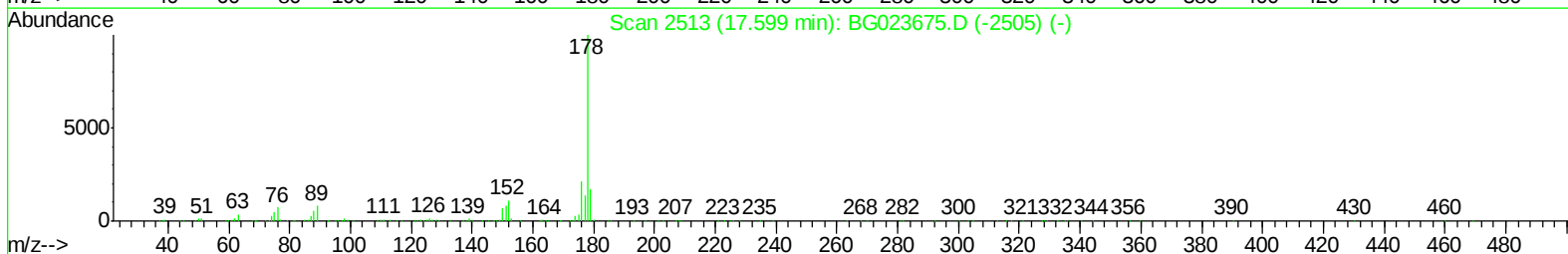
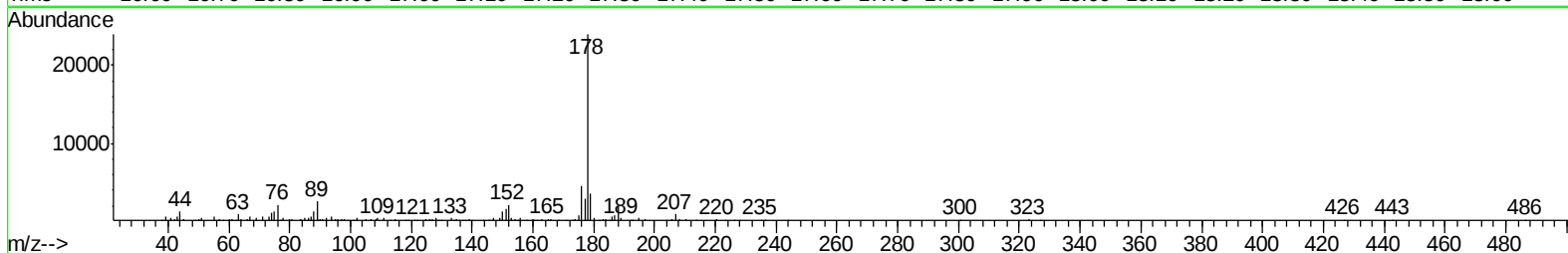
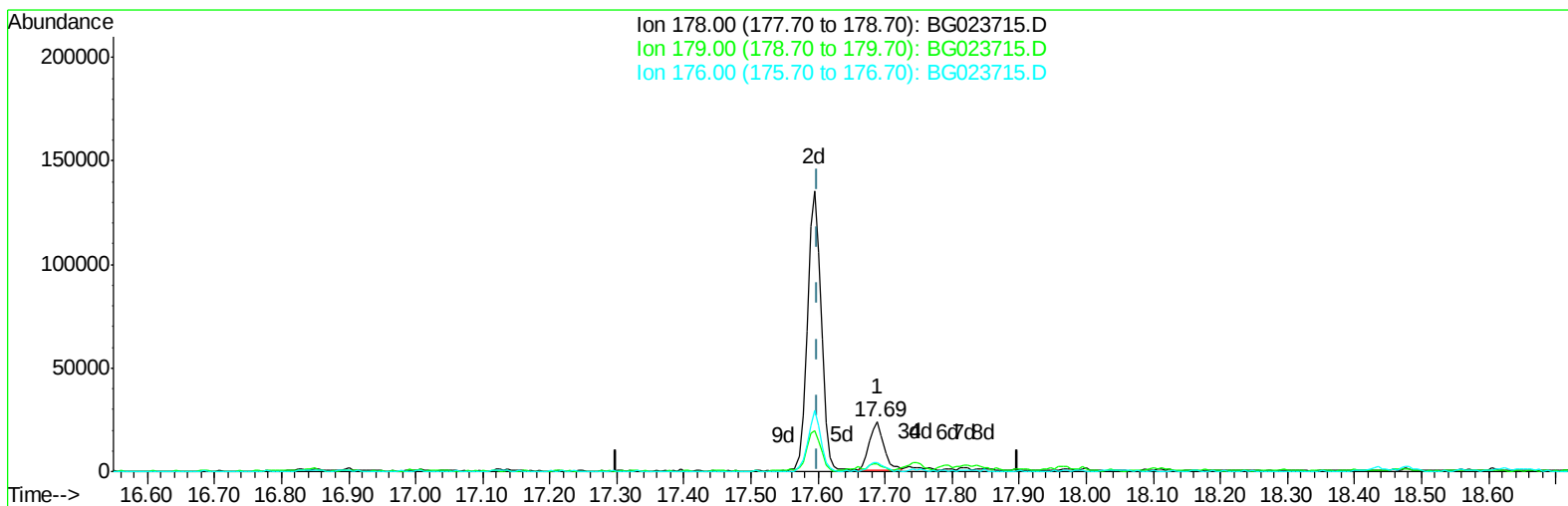
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023715.D
Acq On : 14 Aug 2016 8:57
Operator : UM/SJ
Sample : H4385-16DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01DL

Manual Integrations
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Quant Time: Aug 15 19:12:42 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
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QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration



TIC: BG023715.D

(69) Phenanthrene

17.689min (+0.090) 0.87ng/ul

response 34941

Ion	Exp%	Act%
178.00	100	100
179.00	16.10	15.22
176.00	19.80	18.79
0.00	0.00	0.00

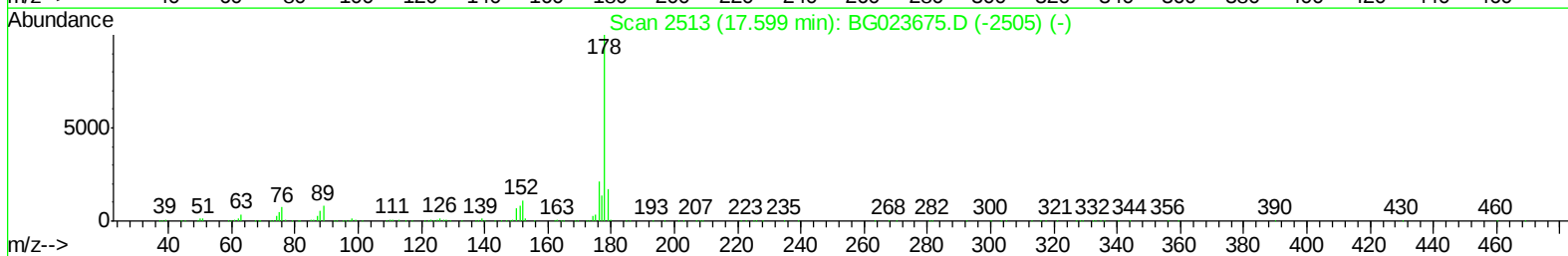
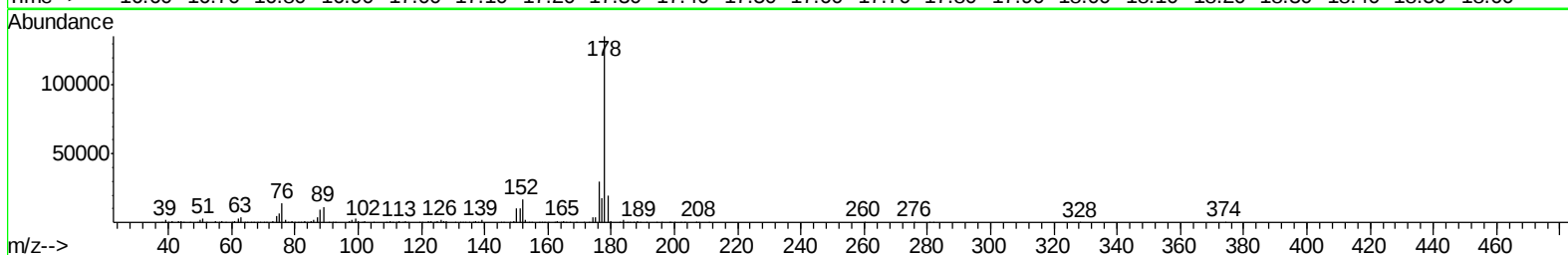
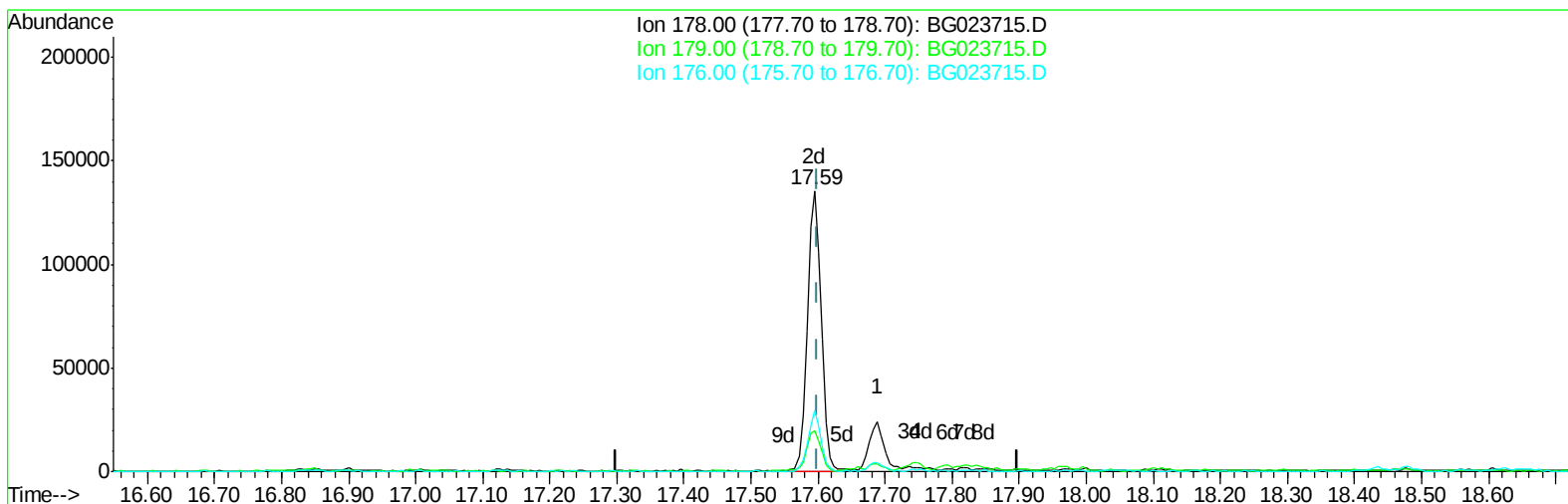
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023715.D
Acq On : 14 Aug 2016 8:57
Operator : UM/SJ
Sample : H4385-16DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01DL

Manual Integrations
APPROVED

umangi
8/16/2016 7:00:36 PM

Quant Time: Aug 15 19:12:42 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration



TIC: BG023715.D

(69) Phenanthrene

17.595min (-0.004) 4.94ng/ul m

response 198280

Ion	Exp%	Act%
178.00	100	100
179.00	16.10	14.57
176.00	19.80	21.80
0.00	0.00	0.00

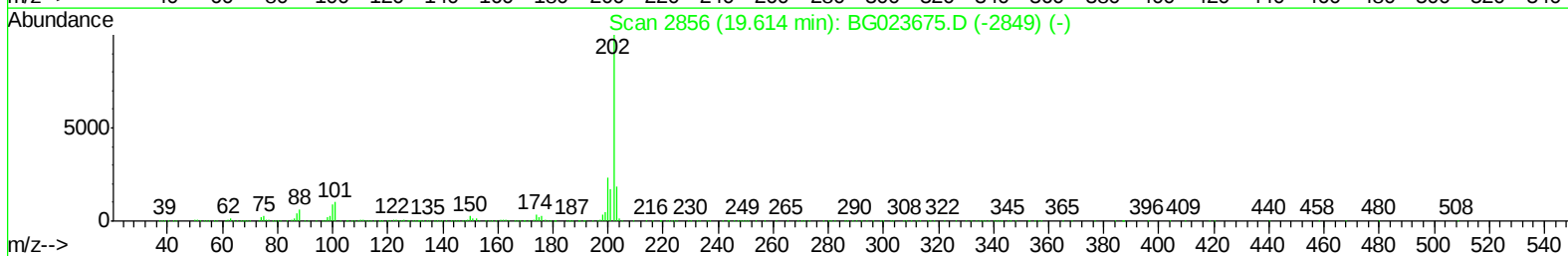
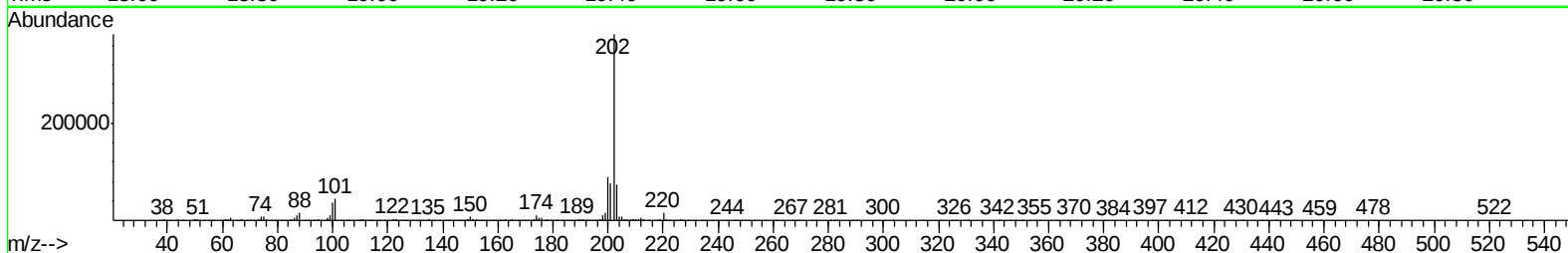
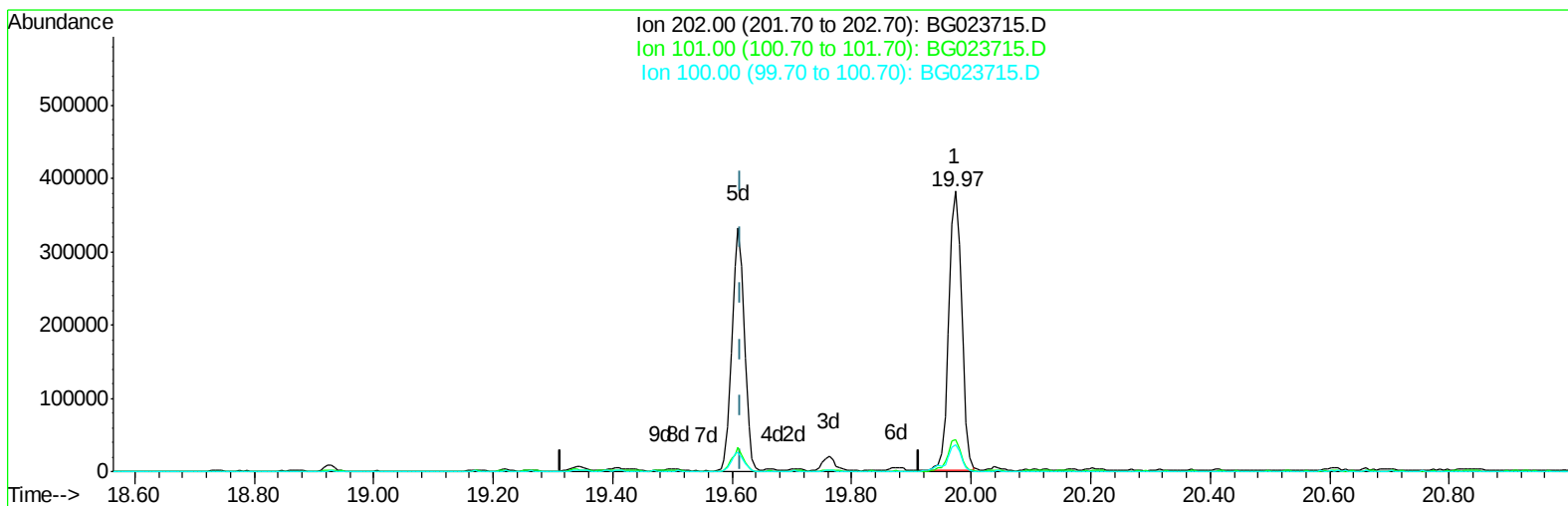
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023715.D
Acq On : 14 Aug 2016 8:57
Operator : UM/SJ
Sample : H4385-16DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01DL

Quant Time: Aug 15 19:12:42 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration

Manual Integrations
APPROVED

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TIC: BG023715.D

(74) Fluoranthene (C)

19.974min (+0.360) 13.60ng/ul

response 558563

Ion	Exp%	Act%
202.00	100	100
101.00	13.30	11.42
100.00	10.90	9.64
0.00	0.00	0.00

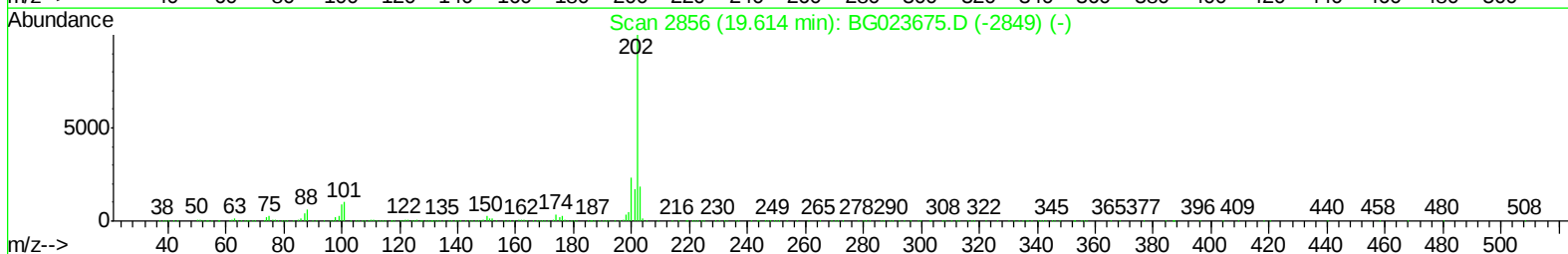
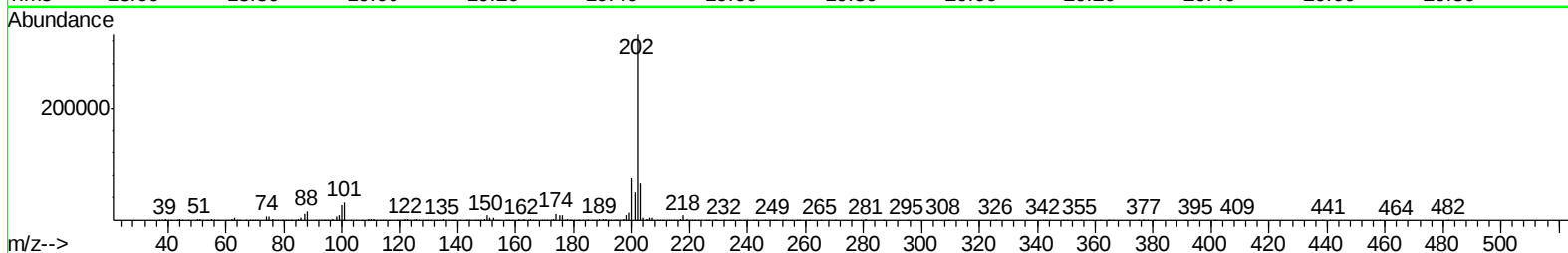
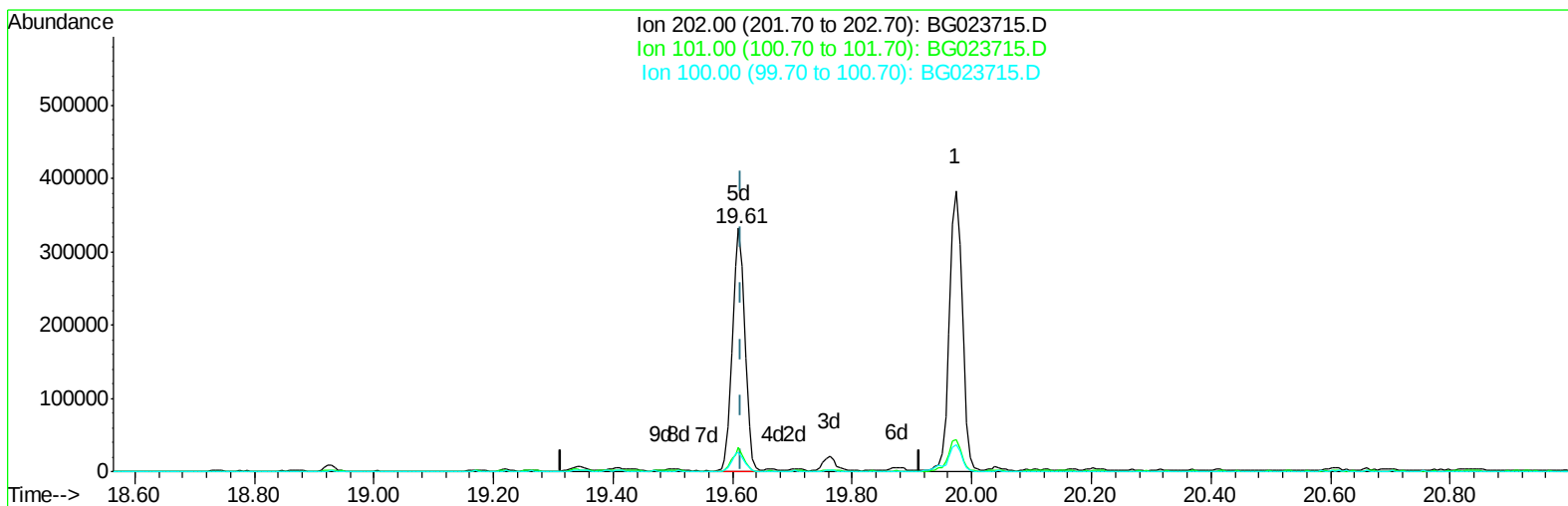
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023715.D
Acq On : 14 Aug 2016 8:57
Operator : UM/SJ
Sample : H4385-16DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01DL

Manual Integrations
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umangi
8/16/2016 7:00:36 PM

Quant Time: Aug 15 19:12:42 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration



TIC: BG023715.D

(74) Fluoranthene (C)

19.610min (-0.004) 11.79ng/ul m

response 484423

Ion	Exp%	Act%
202.00	100	100
101.00	13.30	9.78#
100.00	10.90	8.14#
0.00	0.00	0.00

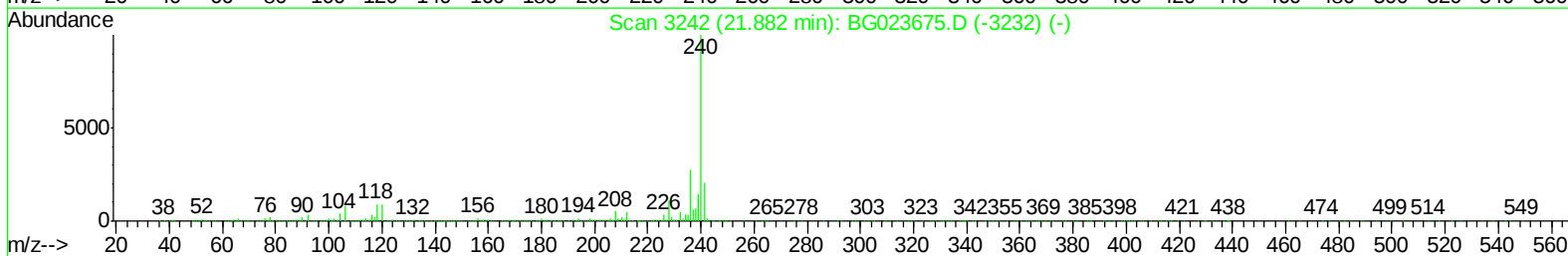
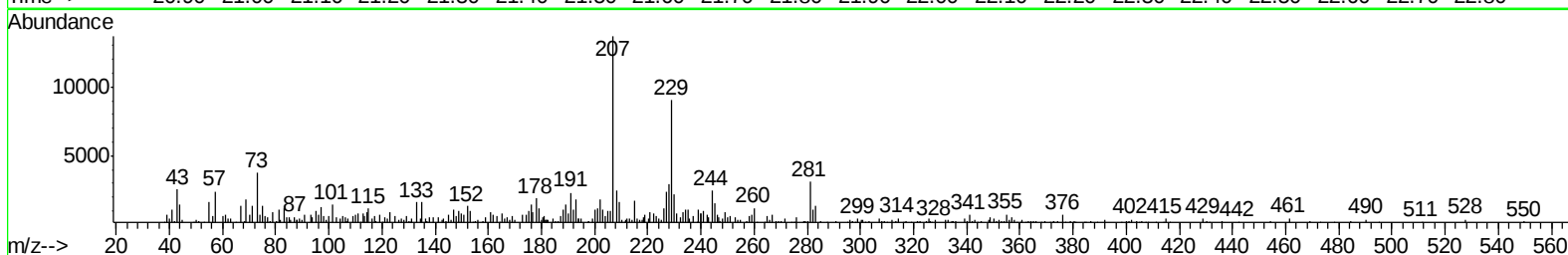
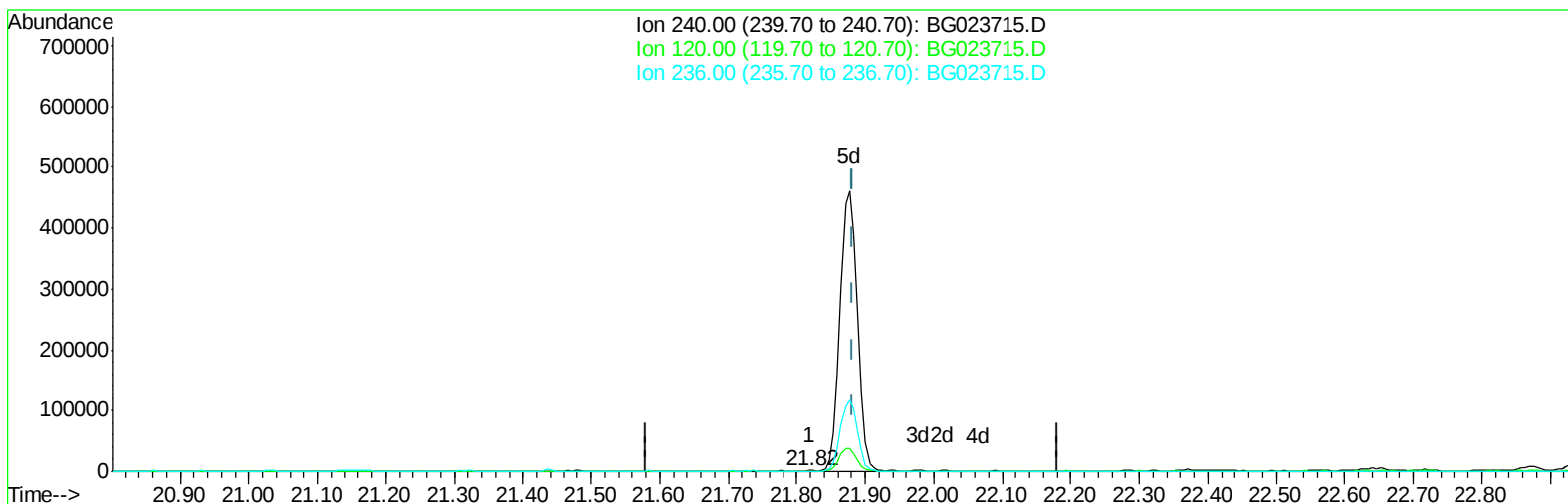
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023715.D
Acq On : 14 Aug 2016 8:57
Operator : UM/SJ
Sample : H4385-16DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01DL

Manual Integrations
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umangi
8/16/2016 7:00:36 PM

Quant Time: Aug 15 19:12:42 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: BG023715.D

(75) Chrysene-d12 (I)

21.818min (-0.063) 20.00ng/ul

response 1383

Ion	Exp%	Act%
240.00	100	100
120.00	14.40	12.36
236.00	26.10	24.59
0.00	0.00	0.00

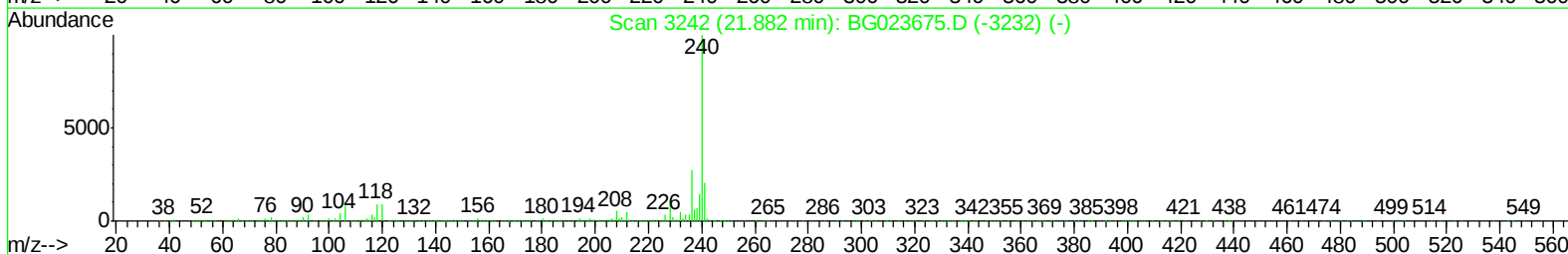
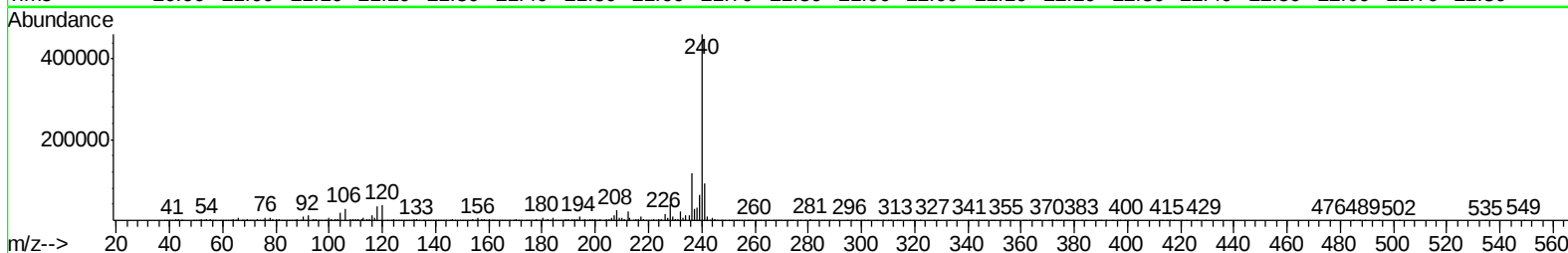
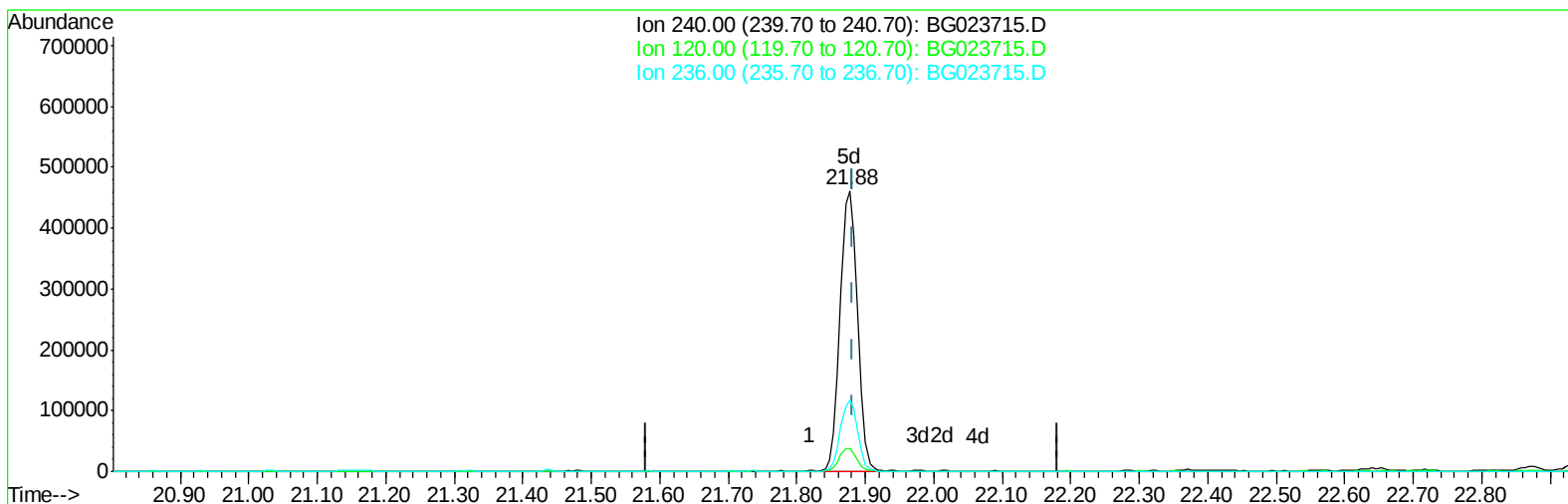
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023715.D
Acq On : 14 Aug 2016 8:57
Operator : UM/SJ
Sample : H4385-16DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01DL

Manual Integrations
APPROVED

umangi
8/16/2016 7:00:36 PM

Quant Time: Aug 15 19:12:42 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration



TIC: BG023715.D

(75) Chrysene-d12 (I)

21.877min (-0.004) 20.00ng/ul m

response 813426

Ion	Exp%	Act%
240.00	100	100
120.00	14.40	8.32#
236.00	26.10	25.39
0.00	0.00	0.00

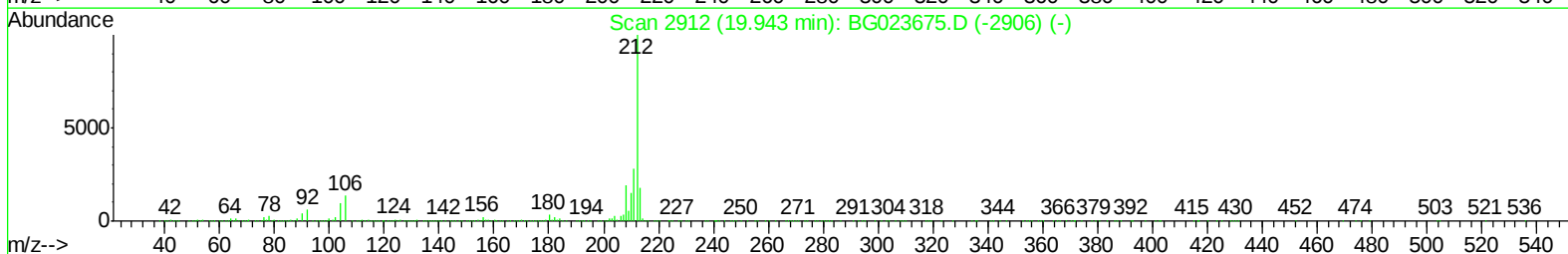
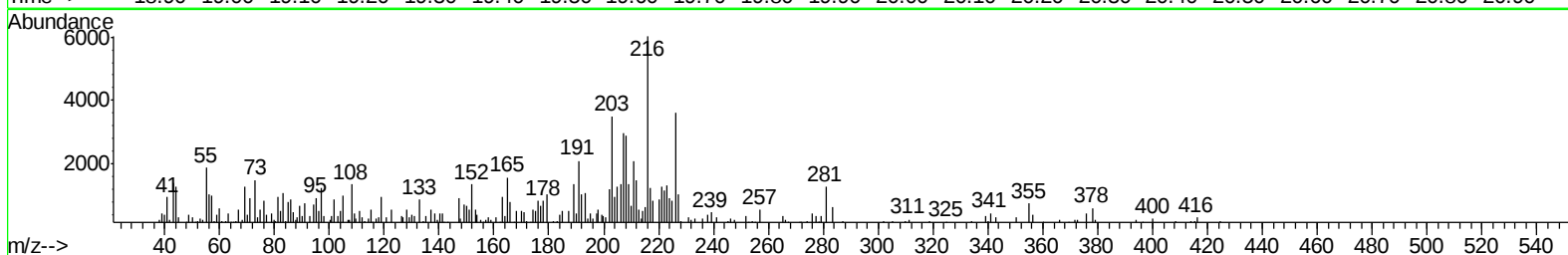
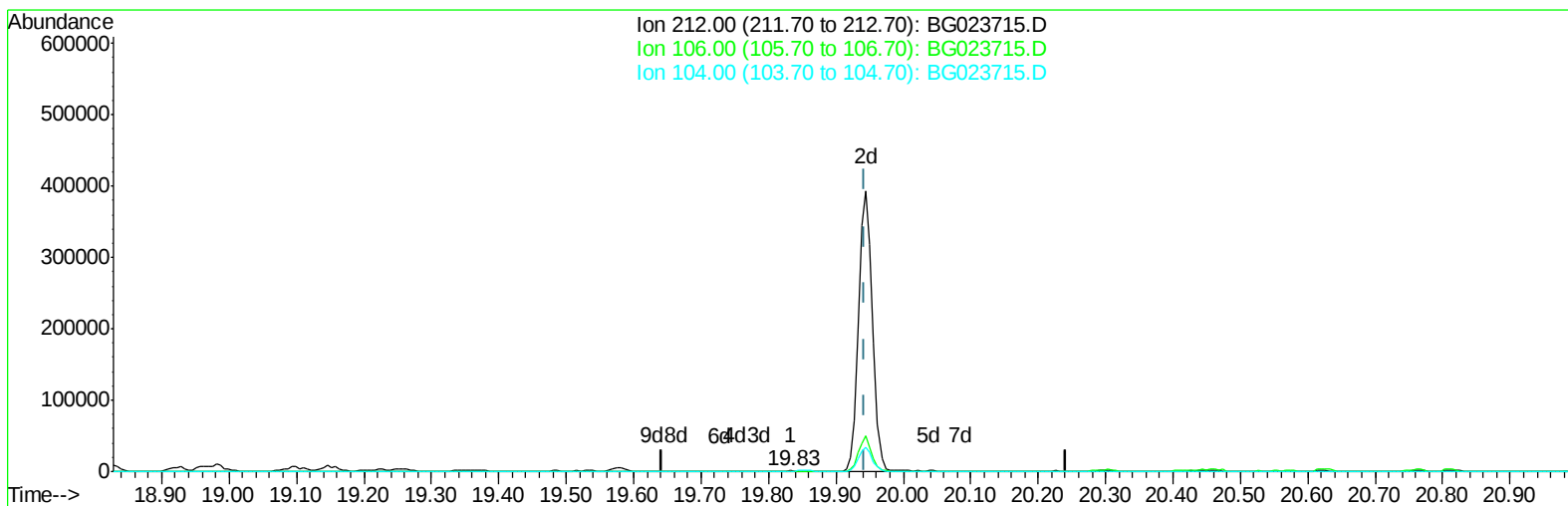
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023715.D
Acq On : 14 Aug 2016 8:57
Operator : UM/SJ
Sample : H4385-16DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Manual Integrations
APPROVED

umangi
8/16/2016 7:00:36 PM

Quant Time: Aug 15 19:14:17 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: BG023715.D

(76) Pyrene-d10 (S)

19.833min (-0.110) 0.02ng/ul

response 723

Ion	Exp%	Act%
212.00	100	100
106.00	18.40	15.22
104.00	11.70	34.34#
0.00	0.00	0.00

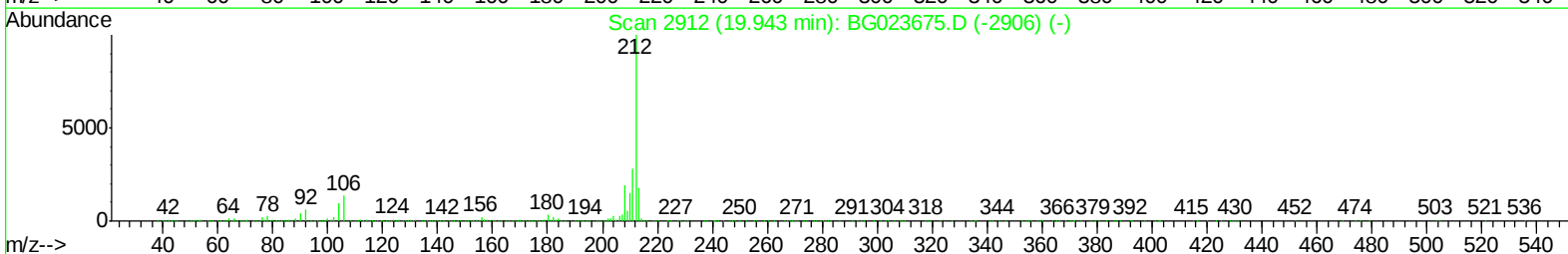
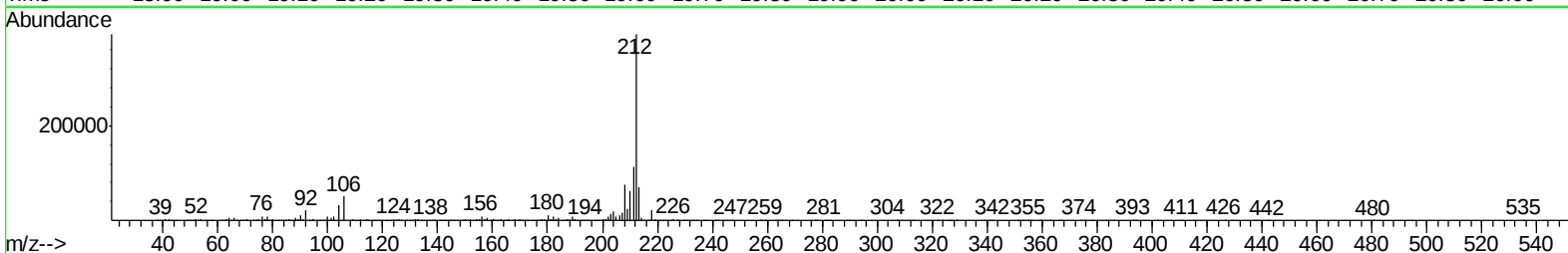
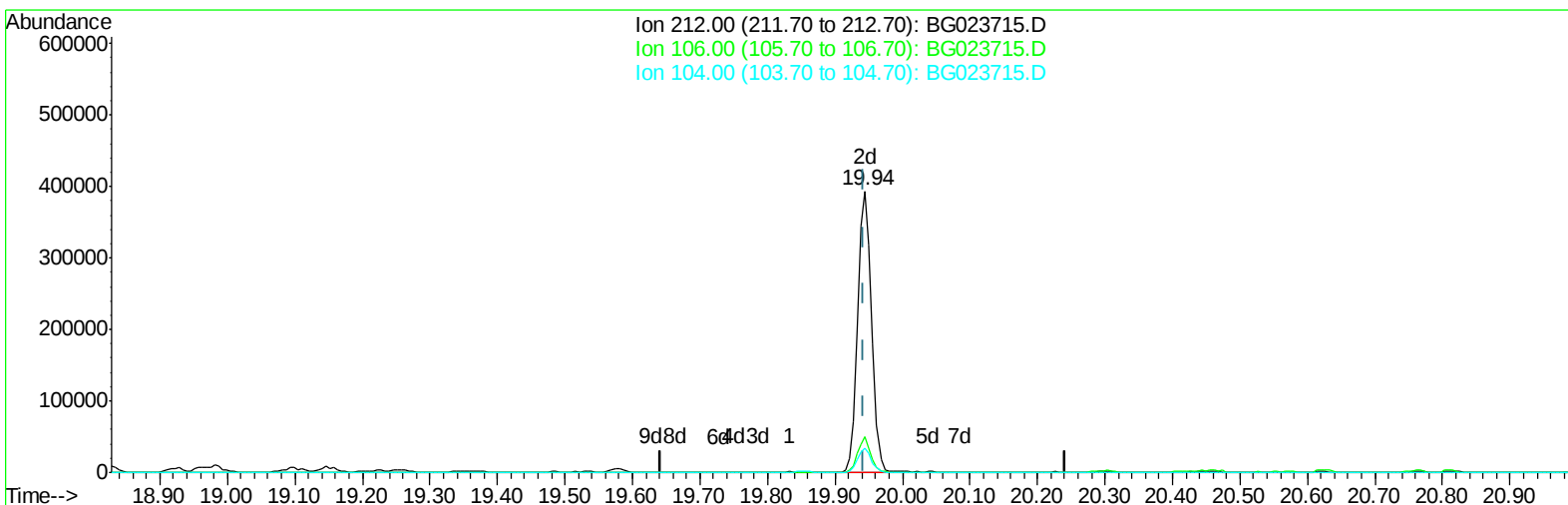
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Data File : BG023715.D
Acq On : 14 Aug 2016 8:57
Operator : UM/SJ
Sample : H4385-16DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01DL

Manual Integrations
APPROVED

umangi
8/16/2016 7:00:36 PM

Quant Time: Aug 15 19:14:17 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration



TIC: BG023715.D

(76) Pyrene-d10 (S)

19.945min (+0.002) 13.90ng/ul m

response 572486

Ion	Exp%	Act%
212.00	100	100
106.00	18.40	12.75#
104.00	11.70	8.47#
0.00	0.00	0.00

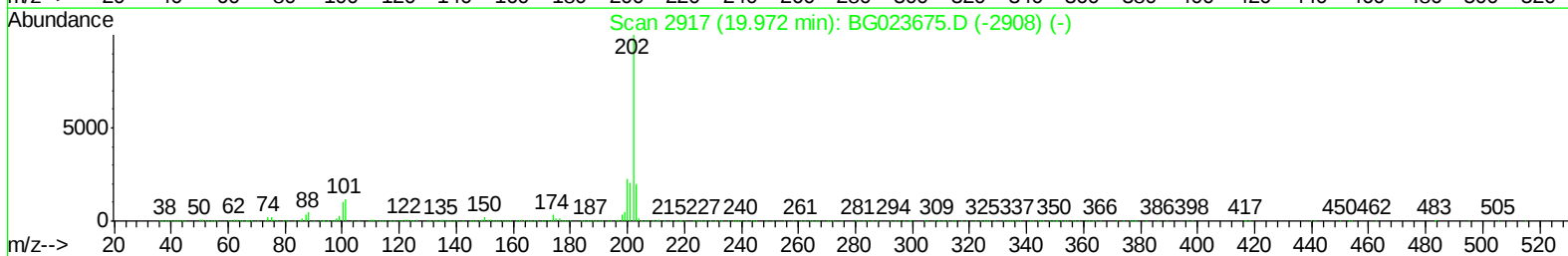
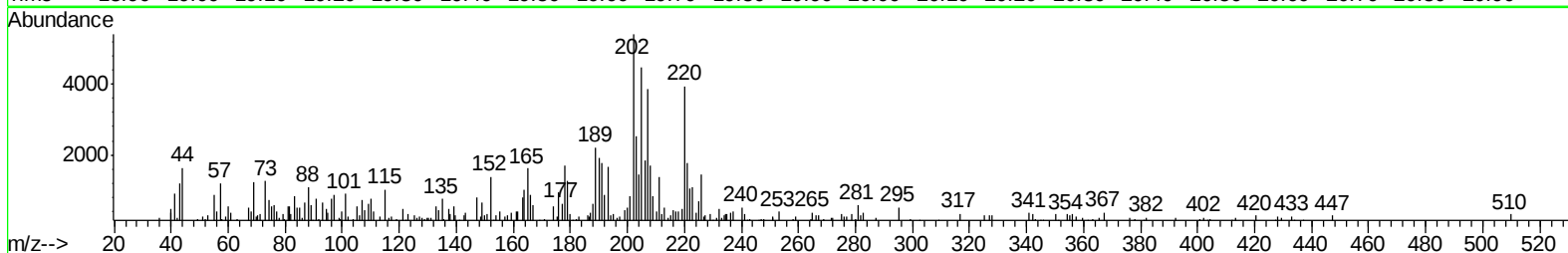
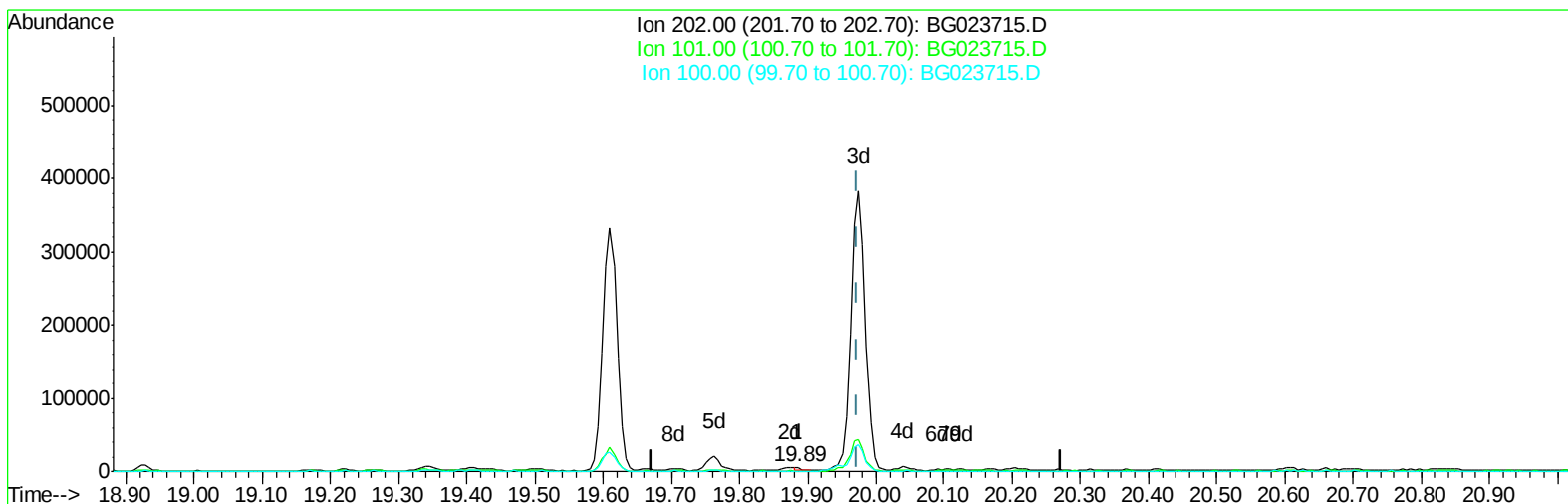
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
 Data File : BG023715.D
 Acq On : 14 Aug 2016 8:57
 Operator : UM/SJ
 Sample : H4385-16DL 2X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P002-SS004-1218-01DL

Manual Integrations
 APPROVED

umangi
 8/16/2016 7:00:36 PM

Quant Time: Aug 15 19:14:17 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 15 18:52:38 2016
 Response via : Initial Calibration



TIC: BG023715.D

(77) Pyrene

19.886min (-0.087) 0.04ng/ul

response 2030

Ion	Exp%	Act%
202.00	100	100
101.00	15.60	16.63
100.00	12.80	7.77#
0.00	0.00	0.00

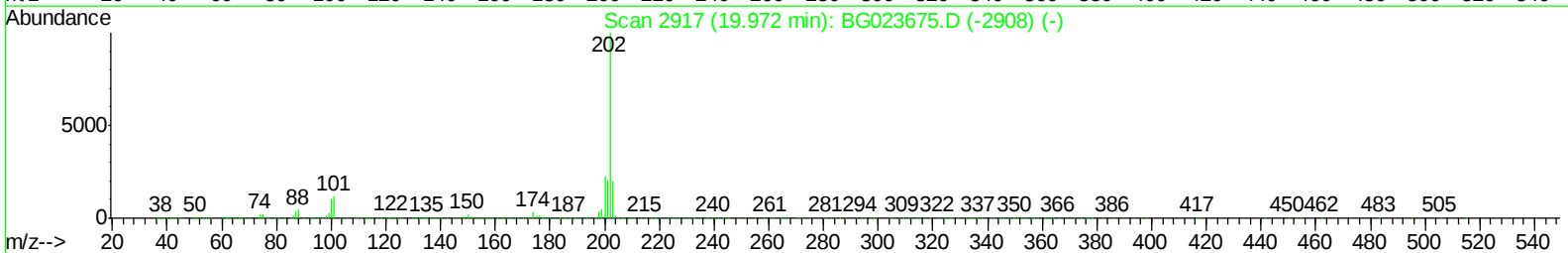
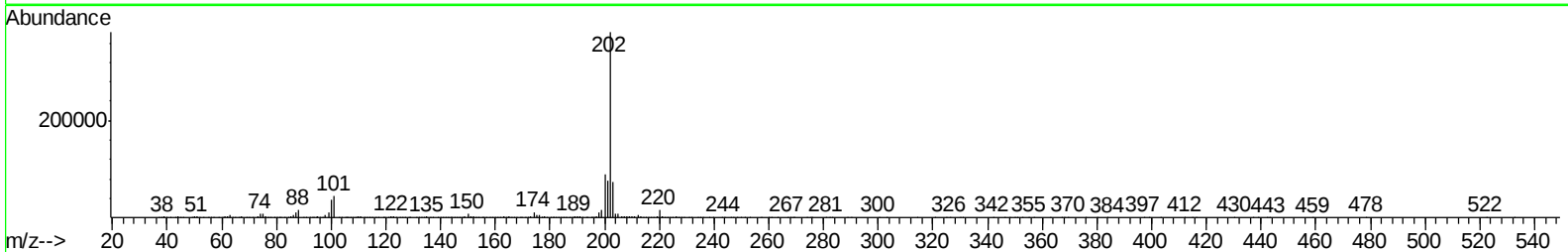
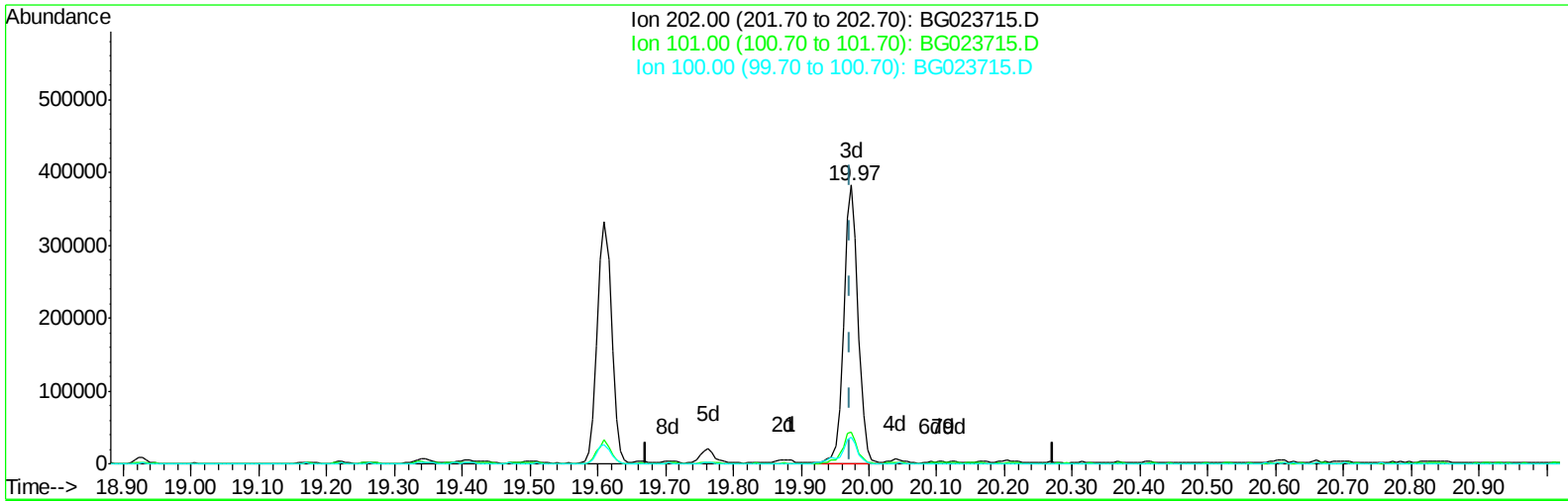
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023715.D
Acq On : 14 Aug 2016 8:57
Operator : UM/SJ
Sample : H4385-16DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01DL

Manual Integrations
APPROVED

umangi
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Quant Time: Aug 15 19:14:17 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration



TIC: BG023715.D

(77) Pyrene

19.974min (+0.002) 11.27ng/ul m

response 566644

Ion	Exp%	Act%
202.00	100	100
101.00	15.60	11.42#
100.00	12.80	9.64#
0.00	0.00	0.00

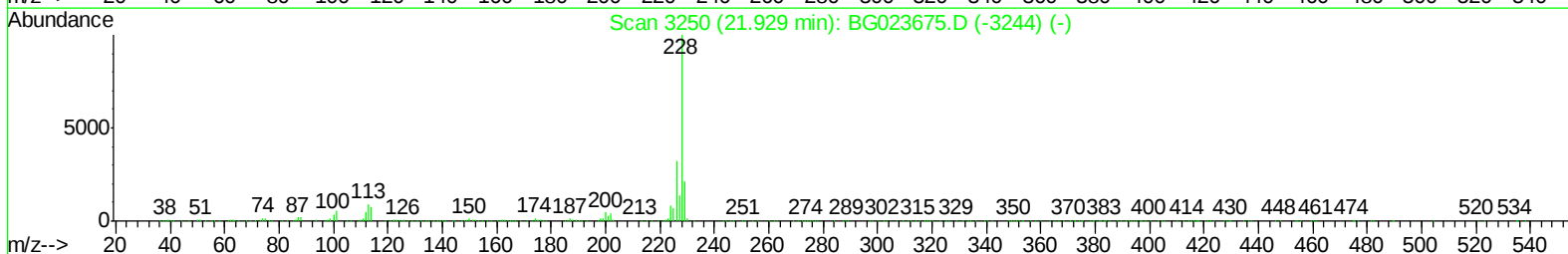
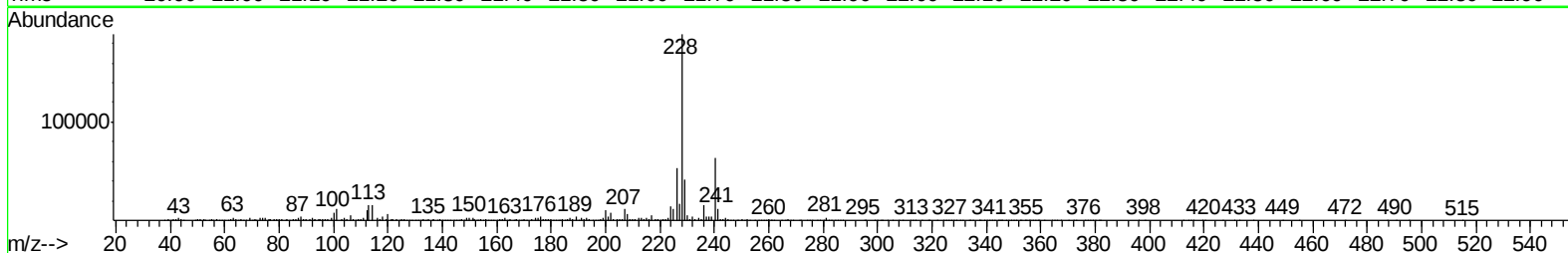
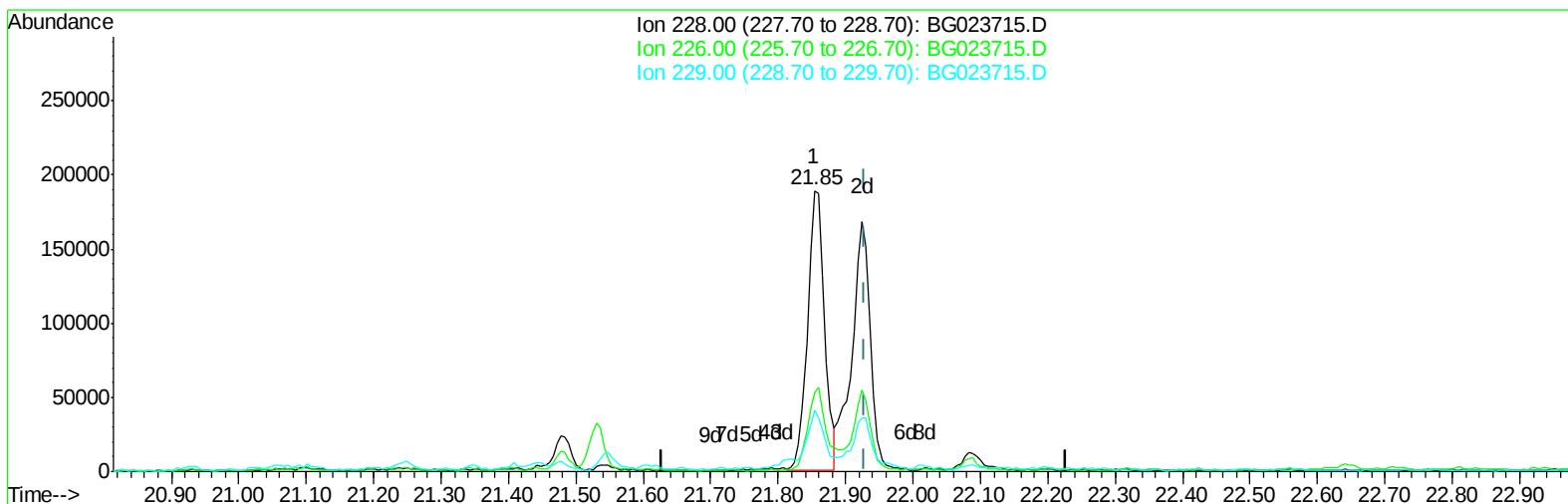
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
 Data File : BG023715.D
 Acq On : 14 Aug 2016 8:57
 Operator : UM/SJ
 Sample : H4385-16DL 2X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P002-SS004-1218-01DL

Manual Integrations
 APPROVED

umangi
 8/16/2016 7:00:36 PM

Quant Time: Aug 15 19:14:17 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 15 18:52:38 2016
 Response via : Initial Calibration



TIC: BG023715.D

(82) Chrysene

21.854min (-0.075) 8.03ng/ul

response 334540

Ion	Exp%	Act%
228.00	100	100
226.00	30.30	28.18
229.00	18.80	22.06
0.00	0.00	0.00

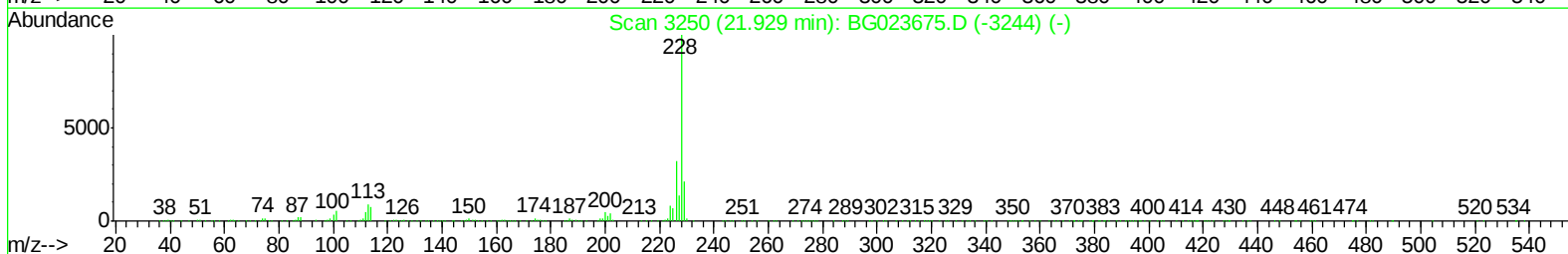
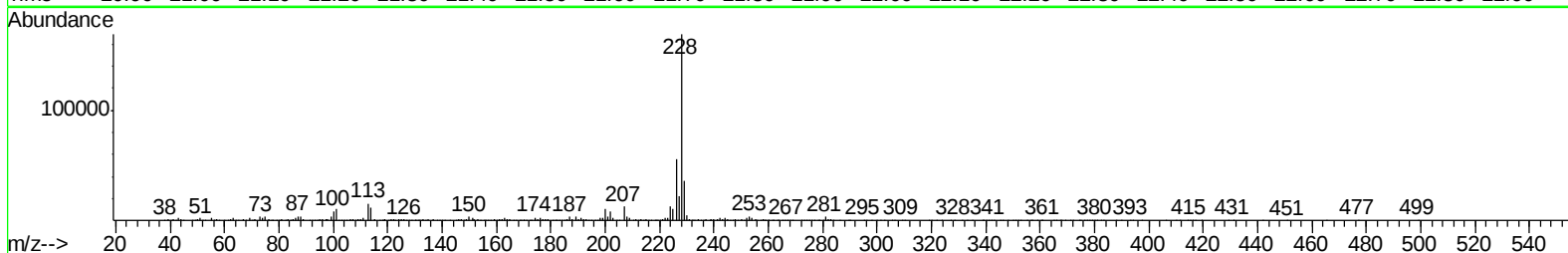
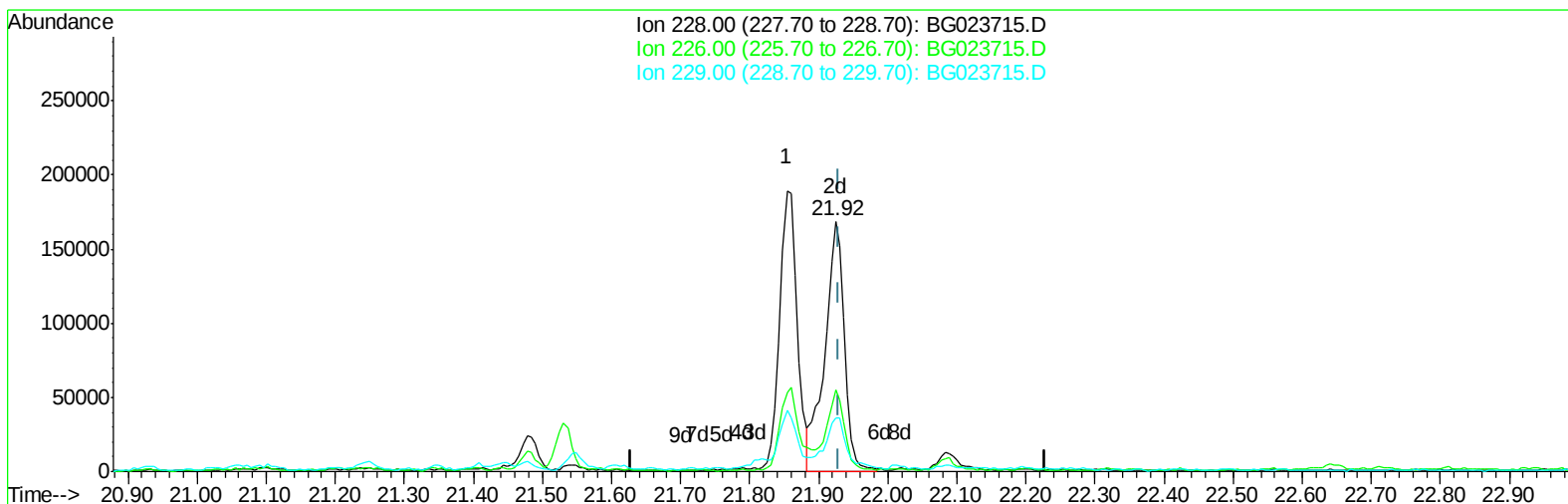
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023715.D
Acq On : 14 Aug 2016 8:57
Operator : UM/SJ
Sample : H4385-16DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01DL

Manual Integrations
APPROVED

umangi
8/16/2016 7:00:36 PM

Quant Time: Aug 15 19:14:17 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration



TIC: BG023715.D

(82) Chrysene

21.924min (-0.004) 7.99ng/ul m

response 332894

Ion	Exp%	Act%
228.00	100	100
226.00	30.30	32.70
229.00	18.80	21.48
0.00	0.00	0.00

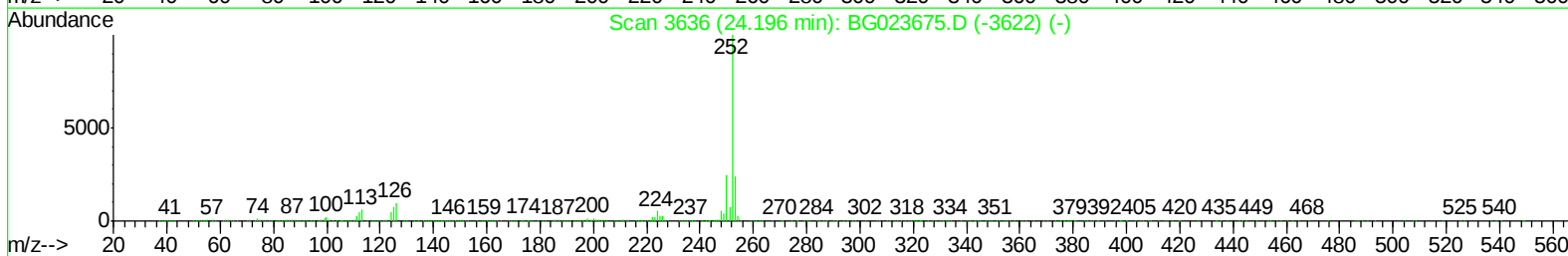
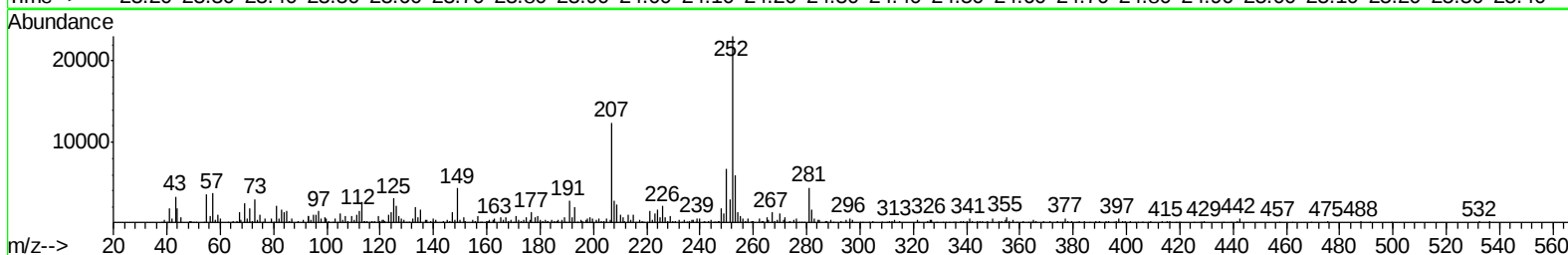
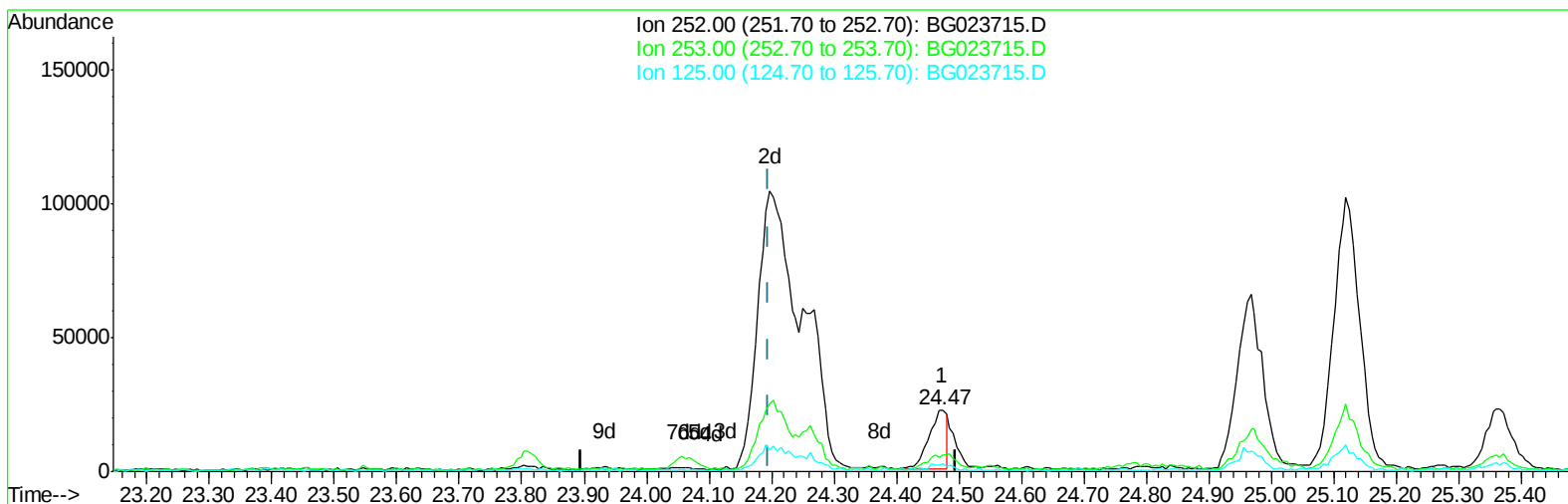
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023715.D
Acq On : 14 Aug 2016 8:57
Operator : UM/SJ
Sample : H4385-16DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01DL

Manual Integrations
APPROVED

umangi
8/16/2016 7:00:36 PM

Quant Time: Aug 15 19:14:17 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration



TIC: BG023715.D

(85) Benzo(b)fluoranthene

24.474min (+0.278) 0.97ng/ul

response 44131

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	25.96
125.00	13.50	13.48
0.00	0.00	0.00

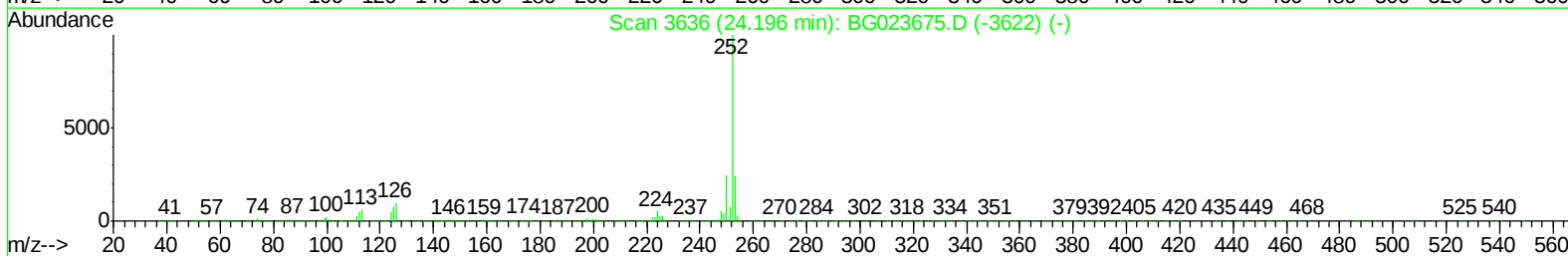
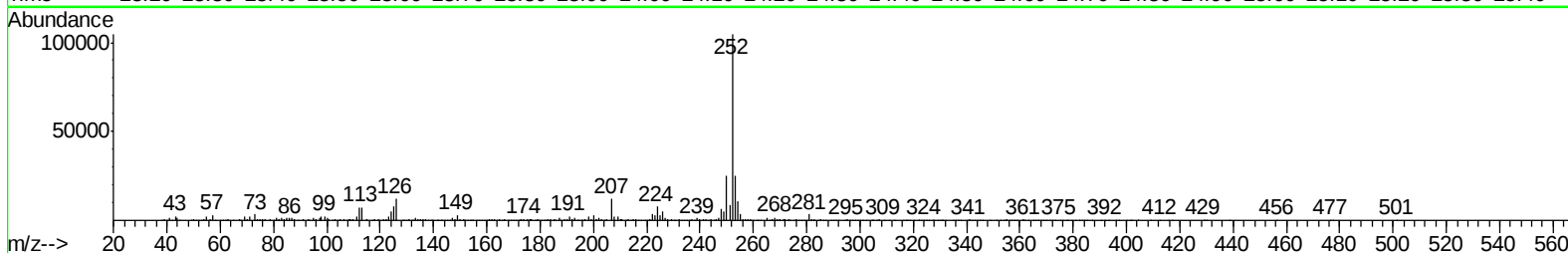
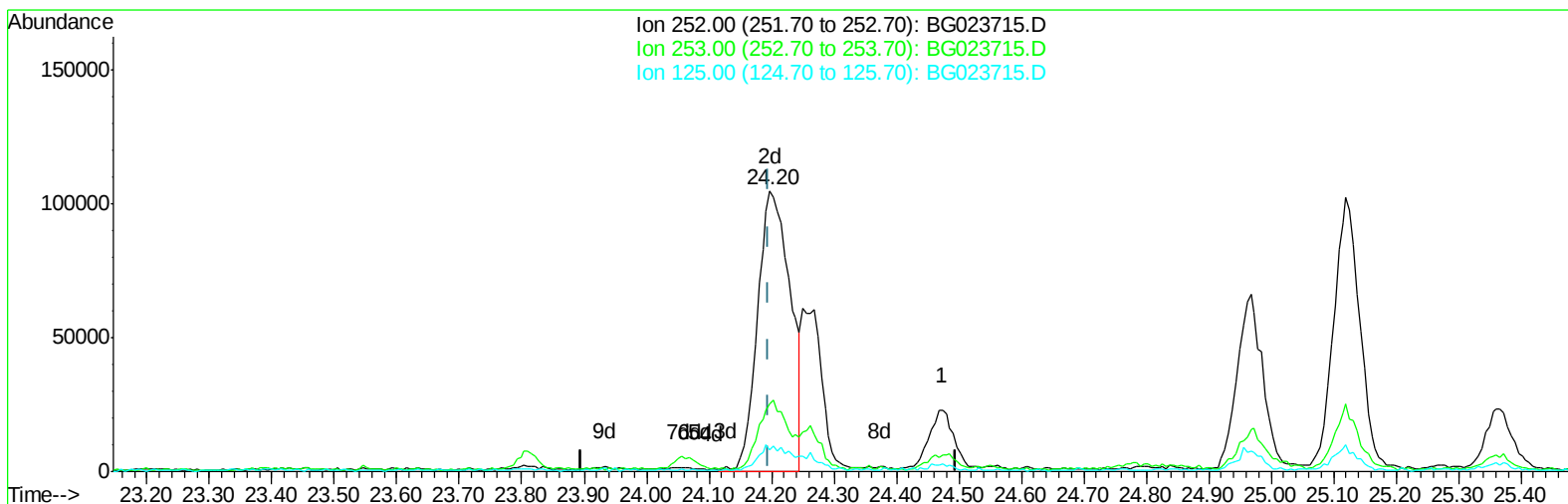
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
 Data File : BG023715.D
 Acq On : 14 Aug 2016 8:57
 Operator : UM/SJ
 Sample : H4385-16DL 2X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P002-SS004-1218-01DL

Manual Integrations
 APPROVED

umangi
 8/16/2016 7:00:36 PM

Quant Time: Aug 15 19:14:17 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 15 18:52:38 2016
 Response via : Initial Calibration



TIC: BG023715.D

(85) Benzo(b)fluoranthene

24.198min (+0.002) 8.37ng/ul m

response 382695

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	24.16
125.00	13.50	7.61#
0.00	0.00	0.00

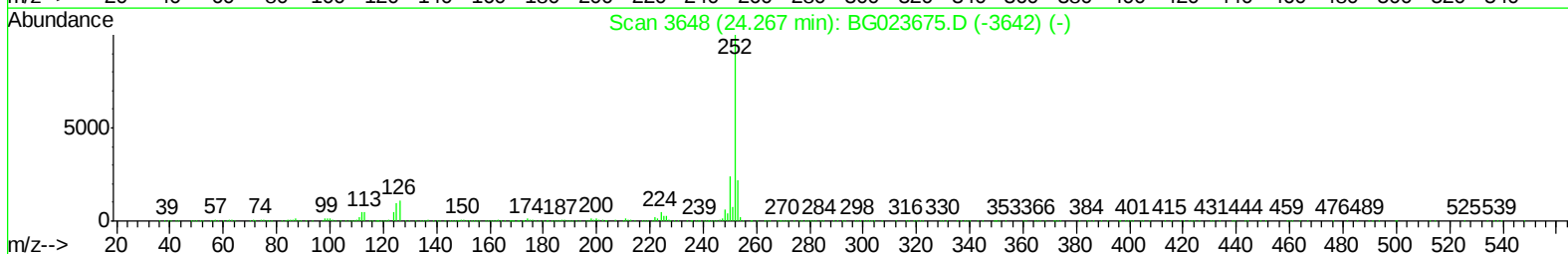
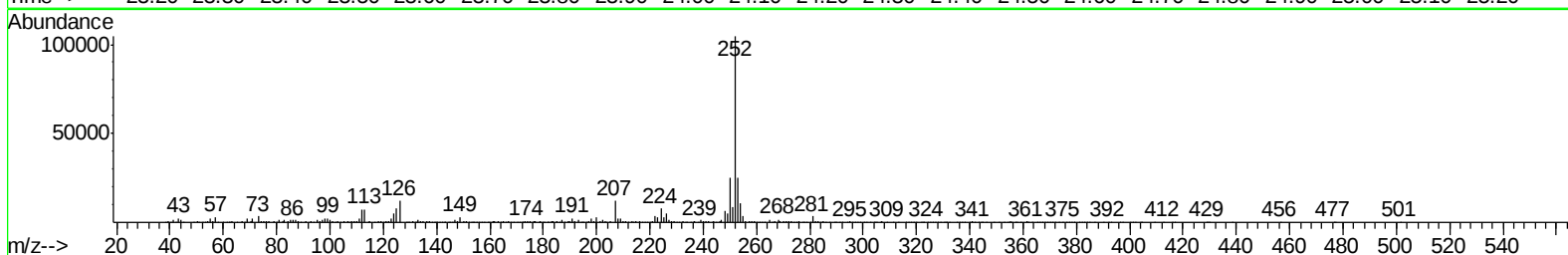
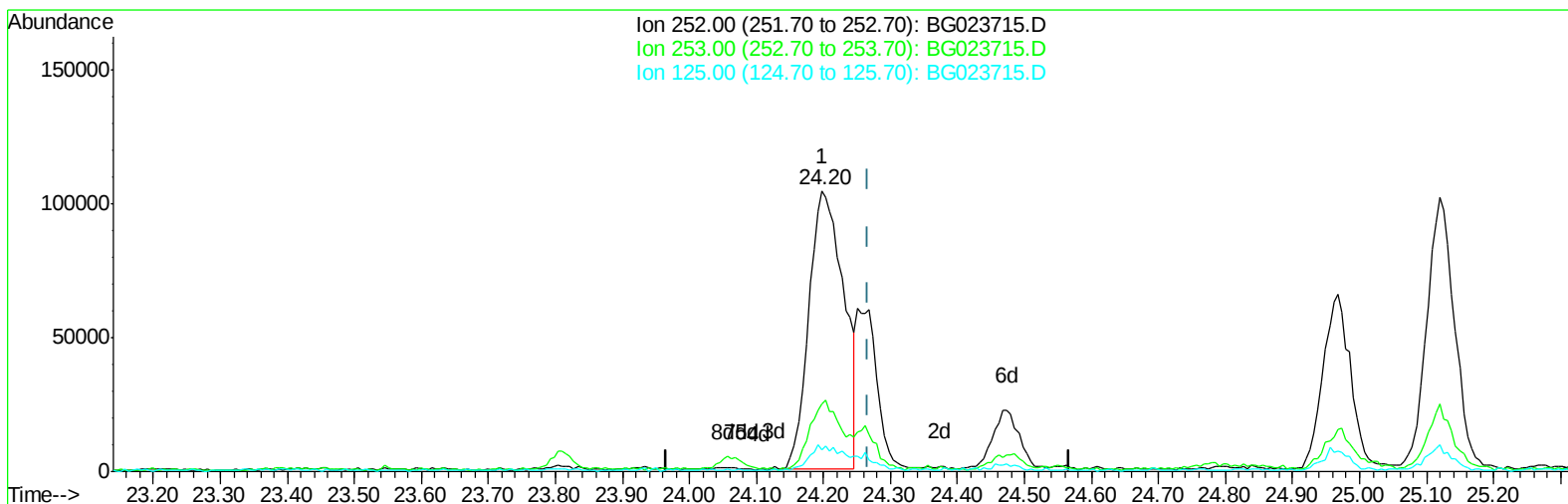
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023715.D
Acq On : 14 Aug 2016 8:57
Operator : UM/SJ
Sample : H4385-16DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01DL

Manual Integrations
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umangi
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Quant Time: Aug 15 19:14:17 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration



TIC: BG023715.D

(86) Benzo(k)fluoranthene

24.198min (-0.069) 8.31ng/ul

response 374067

Ion	Exp%	Act%
252.00	100	100
253.00	19.70	24.16#
125.00	13.30	7.61#
0.00	0.00	0.00

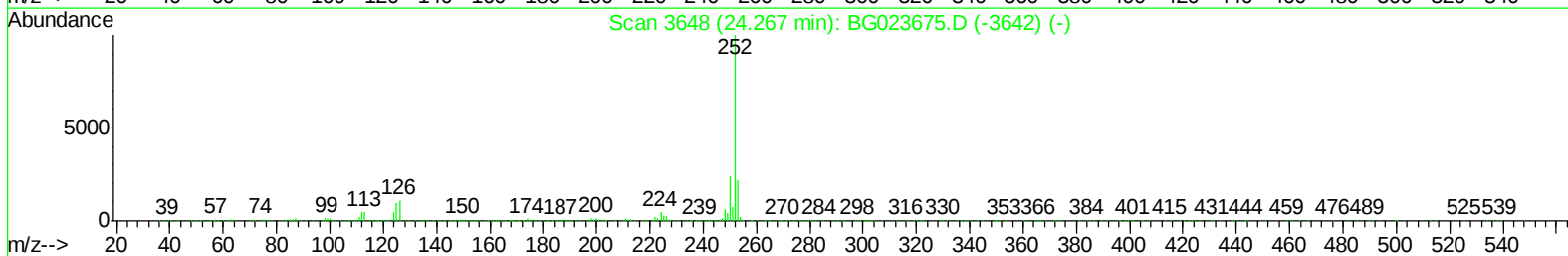
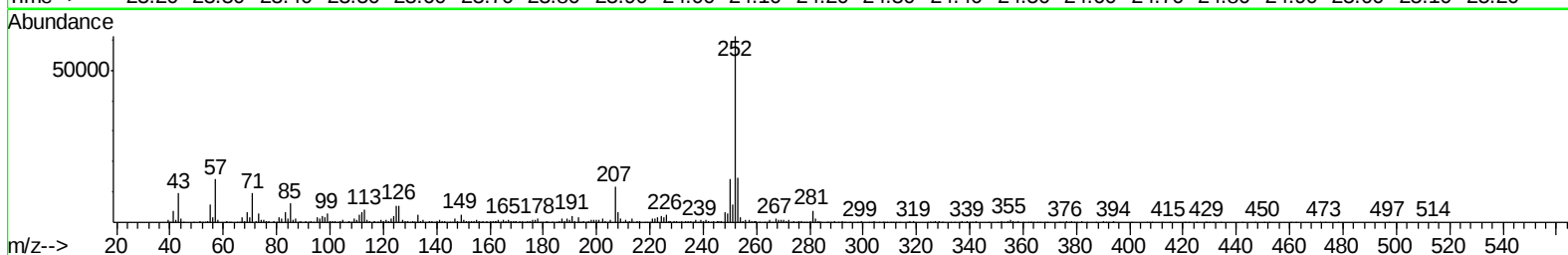
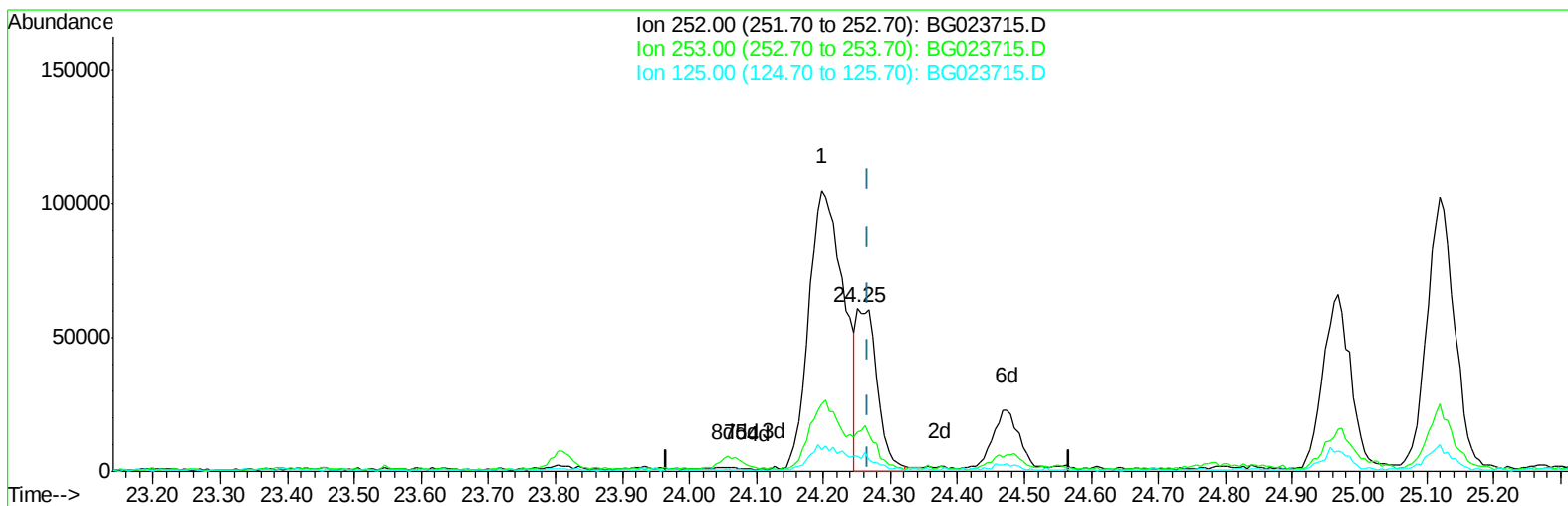
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023715.D
Acq On : 14 Aug 2016 8:57
Operator : UM/SJ
Sample : H4385-16DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01DL

Manual Integrations
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umangi
8/16/2016 7:00:36 PM

Quant Time: Aug 15 19:14:17 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration



TIC: BG023715.D

(86) Benzo(k)fluoranthene

24.250min (-0.016) 2.97ng/ul m

response 133675

Ion	Exp%	Act%
252.00	100	100
253.00	19.70	23.94#
125.00	13.30	9.14#
0.00	0.00	0.00

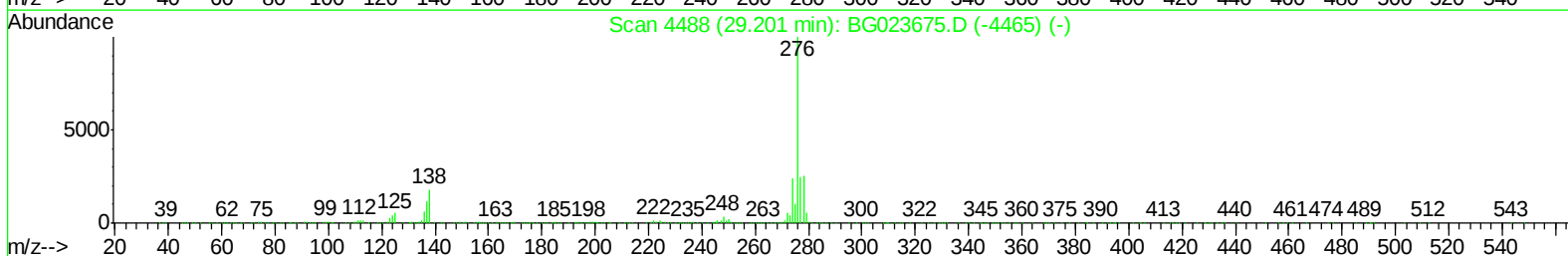
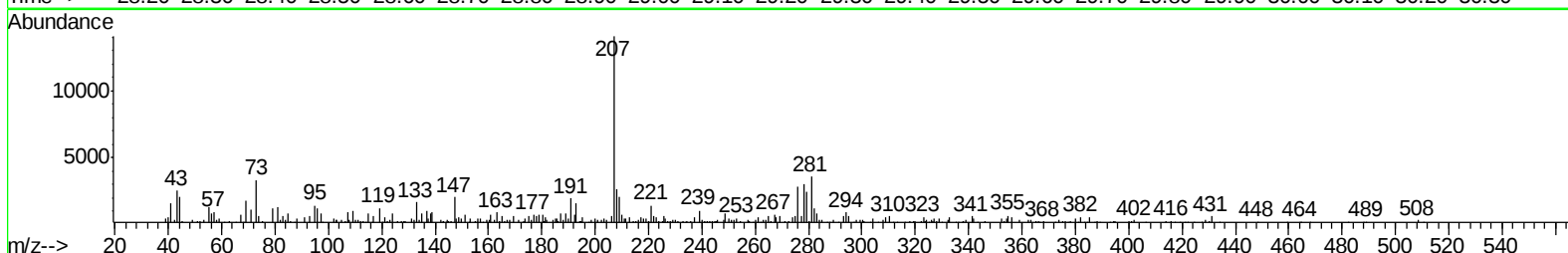
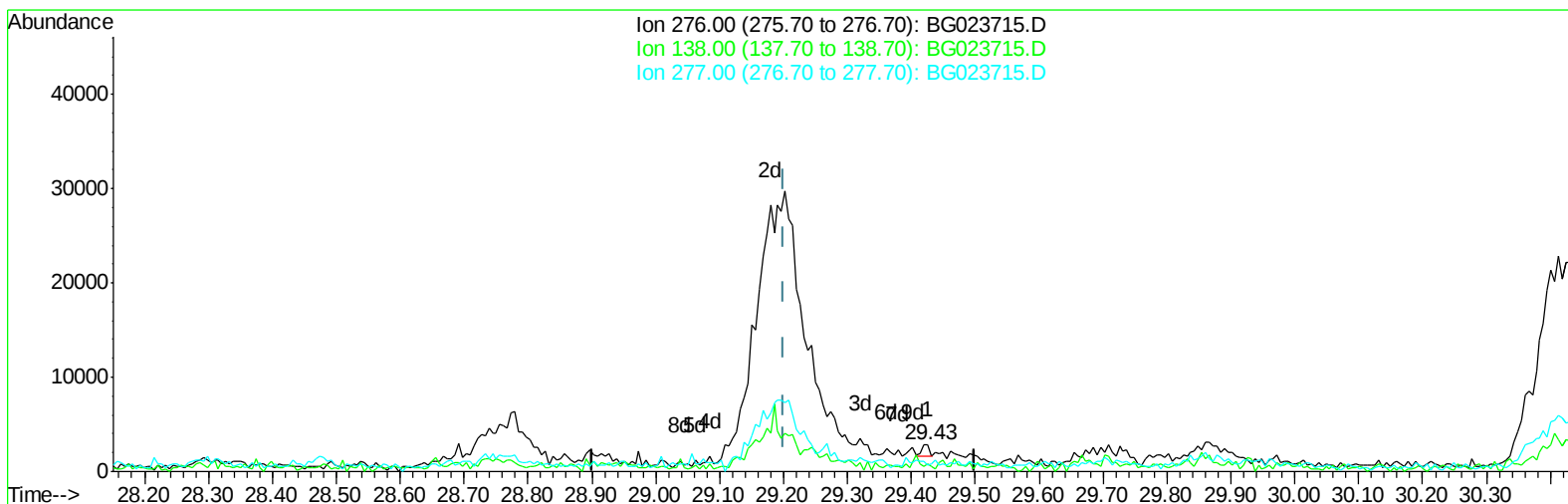
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023715.D
Acq On : 14 Aug 2016 8:57
Operator : UM/SJ
Sample : H4385-16DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01DL

Manual Integrations
APPROVED

umangi
8/16/2016 7:00:36 PM

Quant Time: Aug 15 19:14:17 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration



TIC: BG023715.D

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

29.426min (+0.225) 0.02ng/ul

response 936

Ion	Exp%	Act%
276.00	100	100
138.00	26.00	27.92
277.00	22.00	22.77
0.00	0.00	0.00

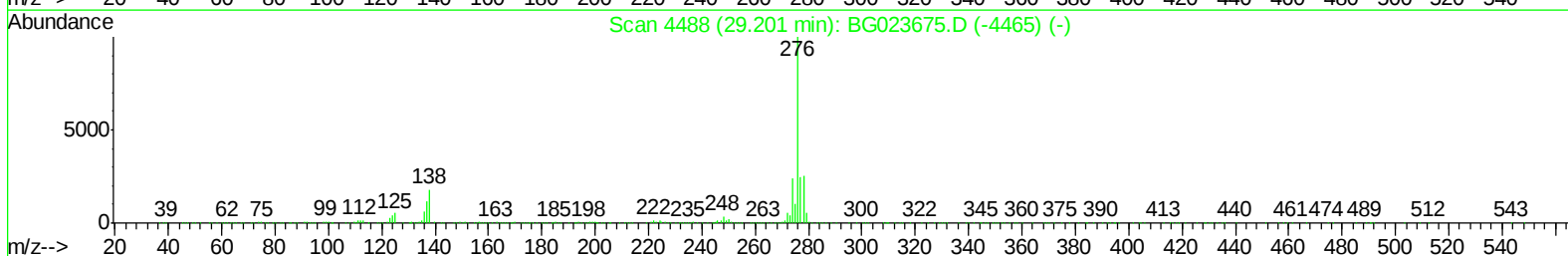
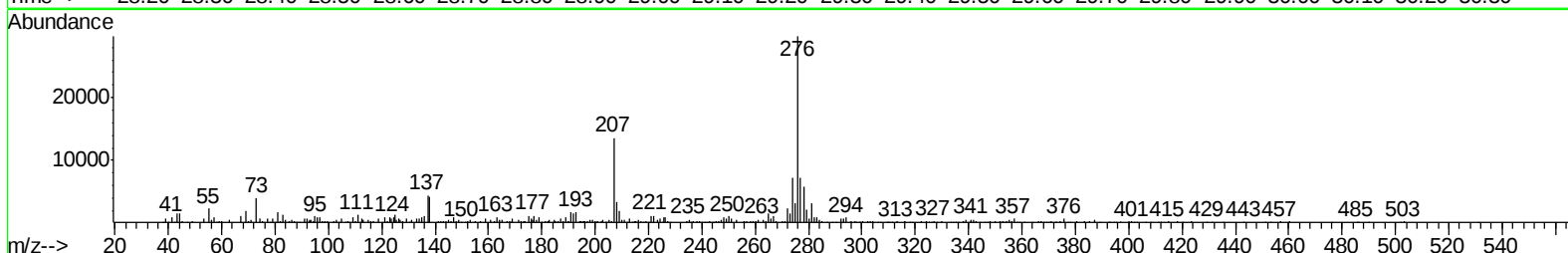
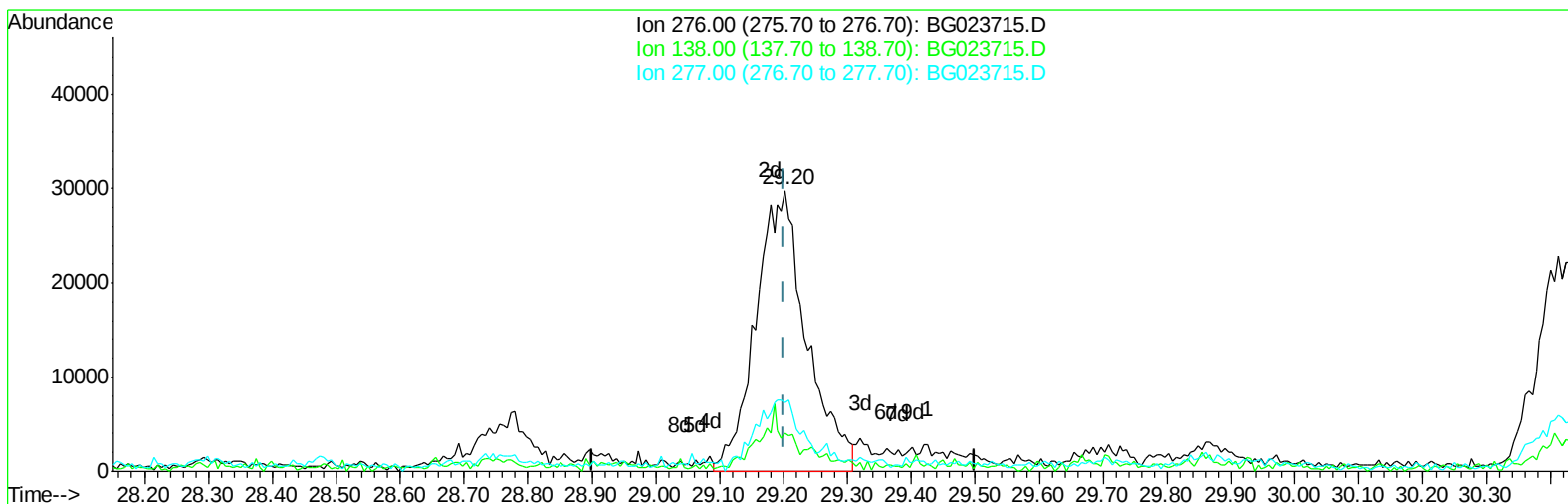
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023715.D
Acq On : 14 Aug 2016 8:57
Operator : UM/SJ
Sample : H4385-16DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01DL

Manual Integrations
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umangi
8/16/2016 7:00:36 PM

Quant Time: Aug 15 19:14:17 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration



TIC: BG023715.D

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

29.203min (+0.002) 3.18ng/ul m

response 164949

Ion	Exp%	Act%
276.00	100	100
138.00	26.00	13.87#
277.00	22.00	24.41
0.00	0.00	0.00

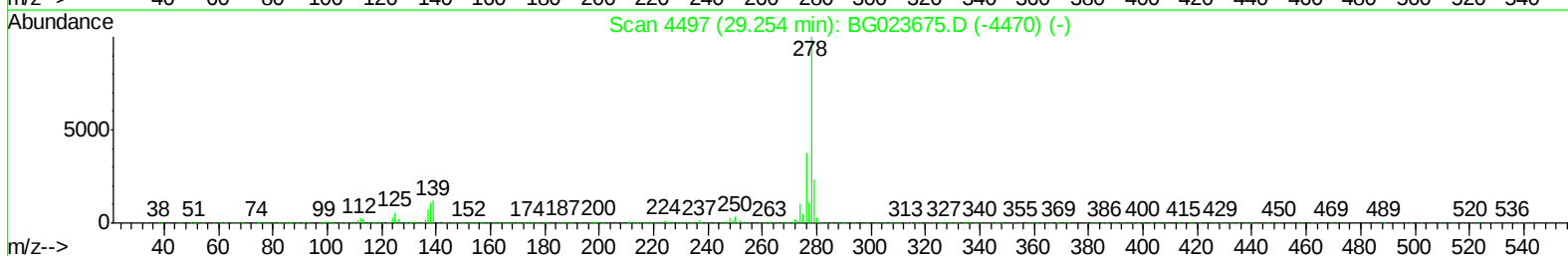
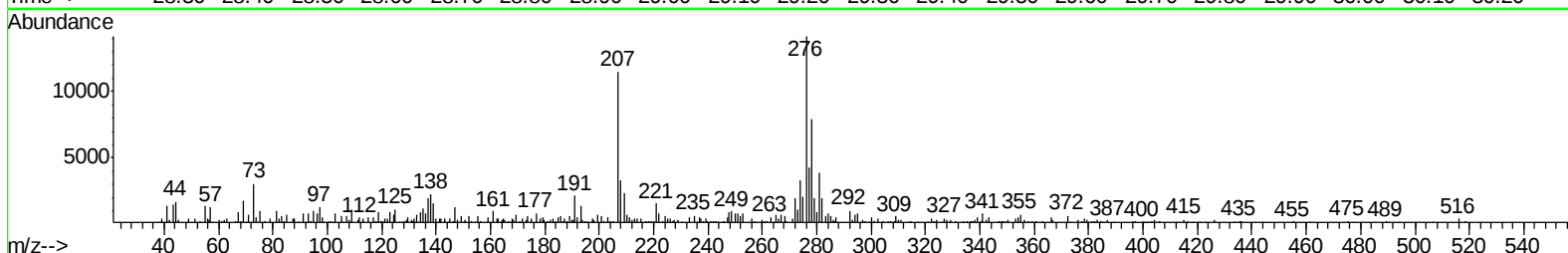
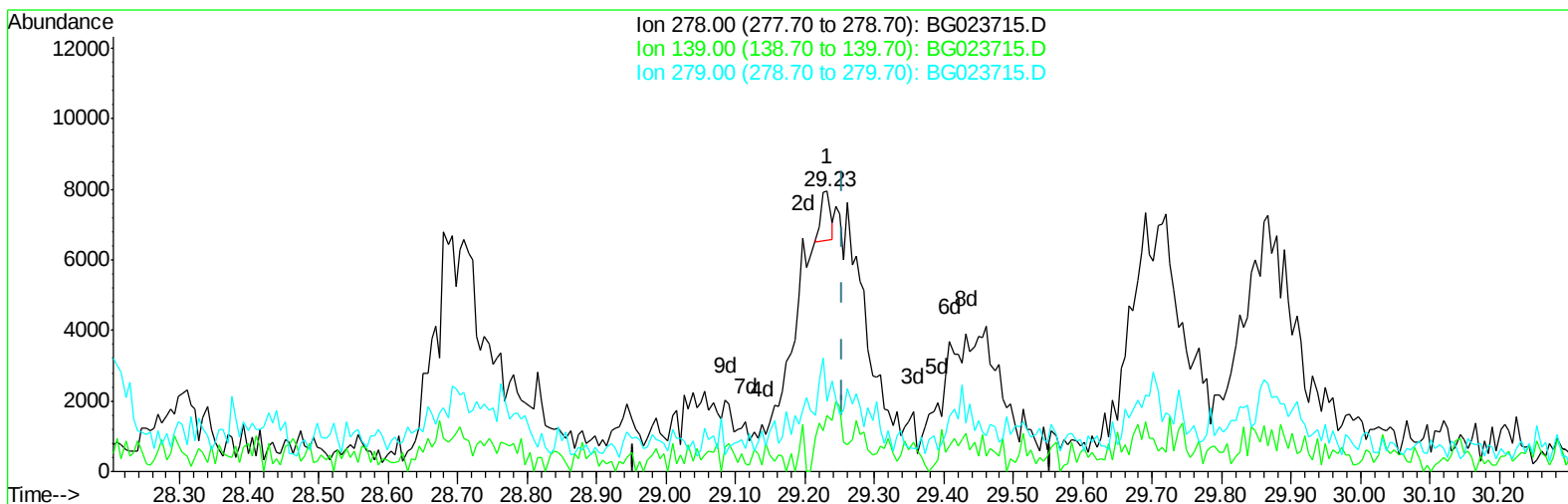
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023715.D
Acq On : 14 Aug 2016 8:57
Operator : UM/SJ
Sample : H4385-16DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01DL

Manual Integrations
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Quant Time: Aug 15 19:14:17 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration



TIC: BG023715.D

(90) Dibenzo(a,h)anthracene

29.232min (-0.022) 0.03ng/ul

response 1317

Ion	Exp%	Act%
278.00	100	100
139.00	20.40	19.95
279.00	23.90	24.99
0.00	0.00	0.00

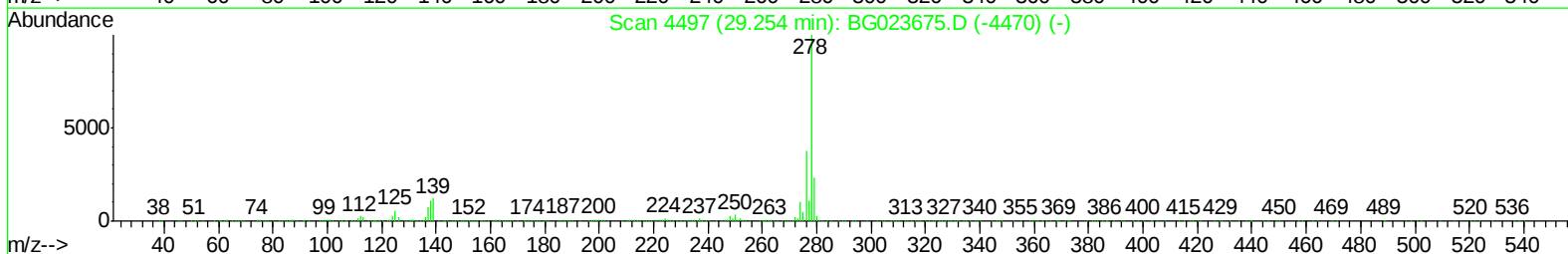
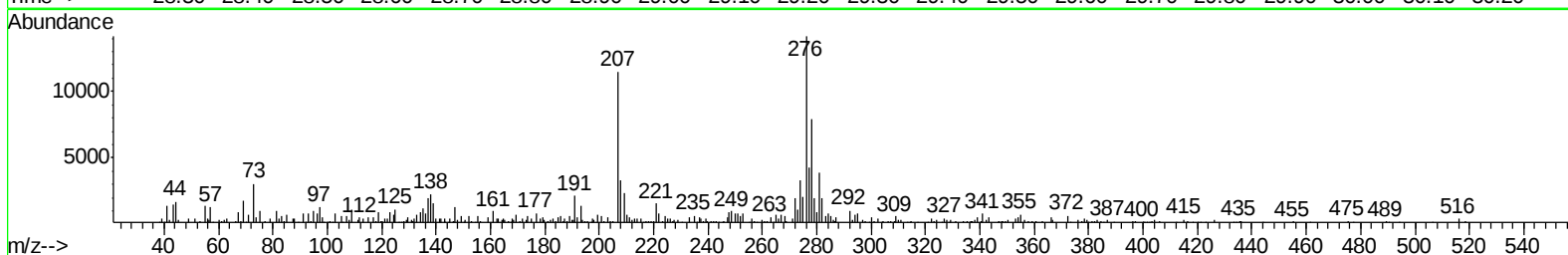
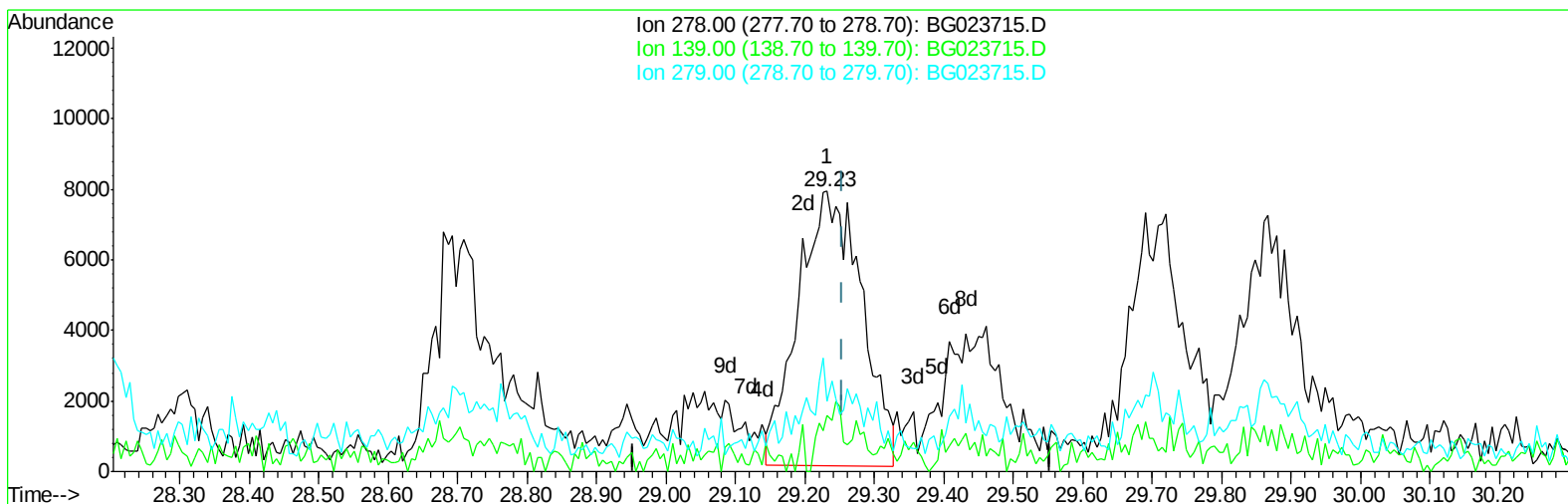
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023715.D
Acq On : 14 Aug 2016 8:57
Operator : UM/SJ
Sample : H4385-16DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01DL

Manual Integrations
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umangi
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Quant Time: Aug 15 19:14:17 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration



TIC: BG023715.D

(90) Dibenzo(a,h)anthracene

29.232min (-0.022) 1.12ng/ul m

response 49322

Ion	Exp%	Act%
278.00	100	100
139.00	20.40	19.95
279.00	23.90	24.99
0.00	0.00	0.00

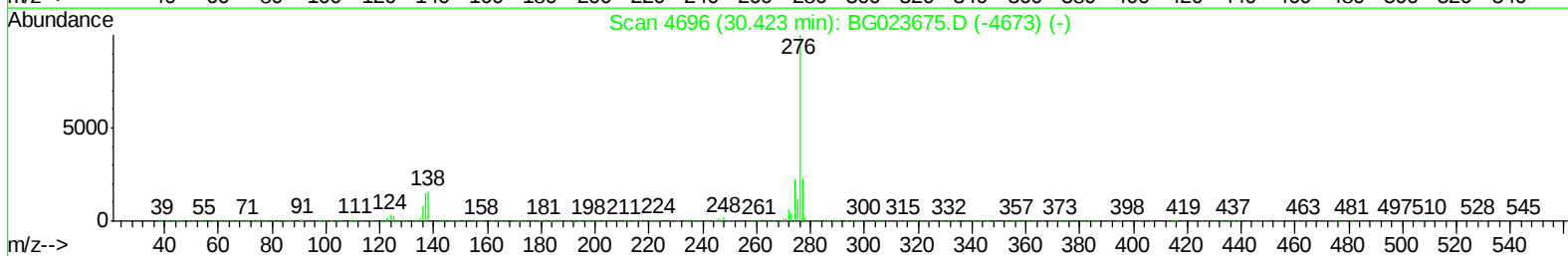
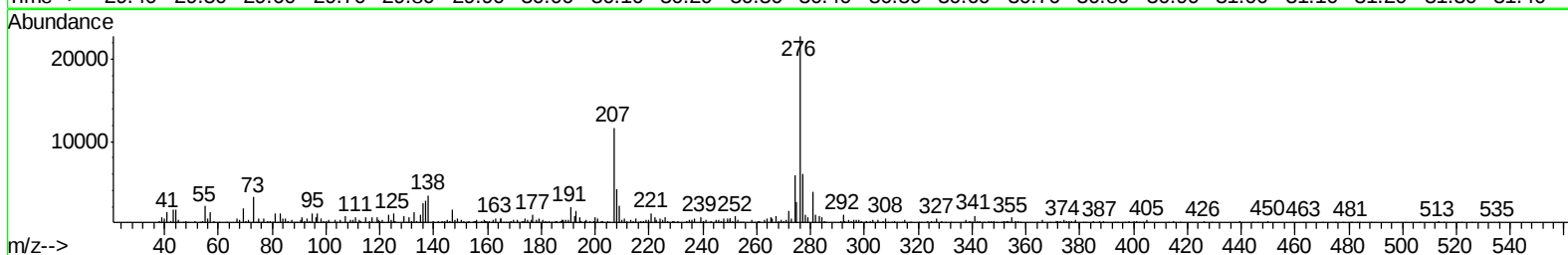
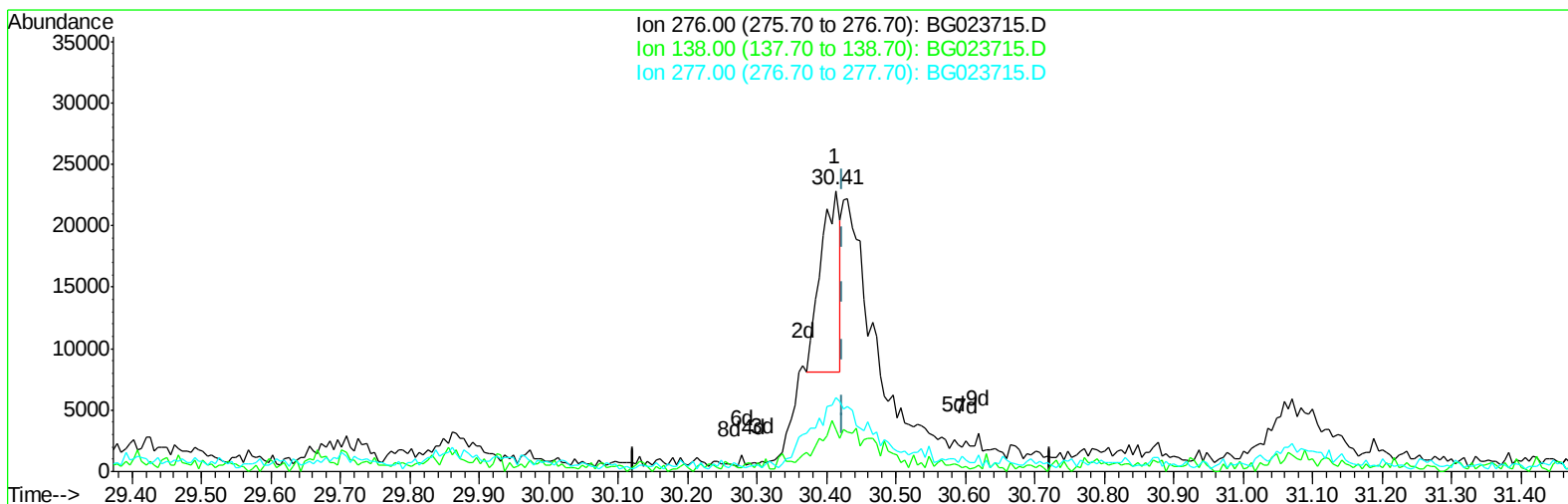
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023715.D
Acq On : 14 Aug 2016 8:57
Operator : UM/SJ
Sample : H4385-16DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01DL

Quant Time: Aug 15 19:14:17 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration

Manual Integrations
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umangi
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TIC: BG023715.D

(91) Benzo(g,h,i)perylene
30.413min (-0.010) 0.65ng/ul
response 27865

Ion	Exp%	Act%
276.00	100	100
138.00	27.60	15.09#
277.00	21.20	26.38#
0.00	0.00	0.00

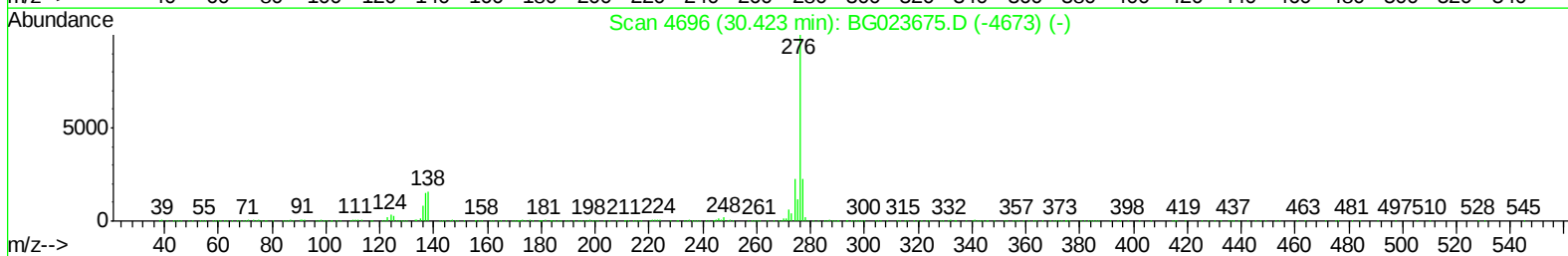
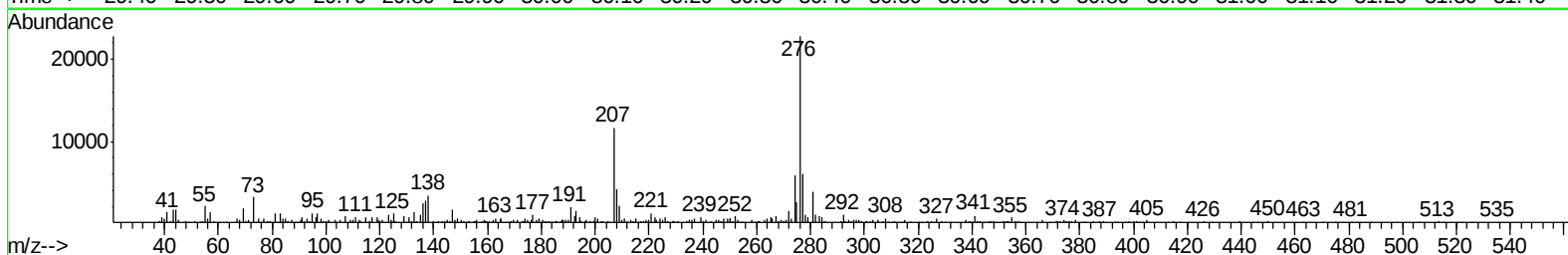
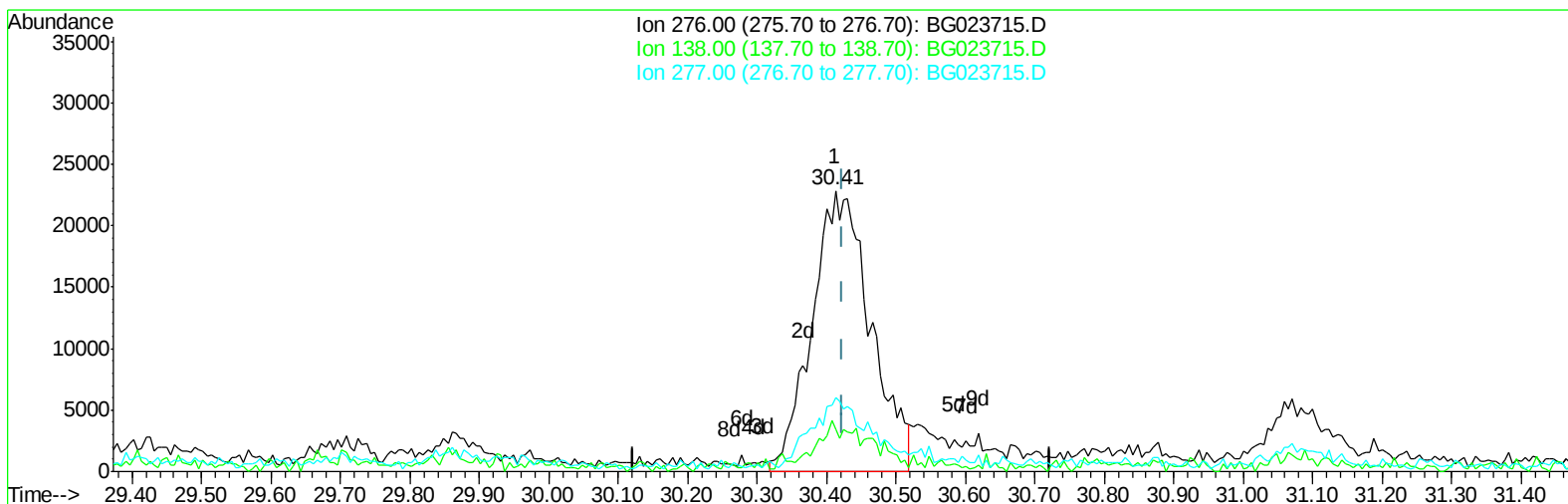
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023715.D
Acq On : 14 Aug 2016 8:57
Operator : UM/SJ
Sample : H4385-16DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01DL

Manual Integrations
APPROVED

umangi
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Quant Time: Aug 15 19:14:17 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration



TIC: BG023715.D

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

30.413min (-0.010) 3.11ng/ul m

response 133587

Ion	Exp%	Act%
276.00	100	100
138.00	27.60	15.09#
277.00	21.20	26.38#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
 Data File : BG023715.D
 Acq On : 14 Aug 2016 8:57
 Operator : UM/SJ
 Sample : H4385-16DL 2X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P002-SS004-1218-01DL

Manual Integrations
 APPROVED

umangi
 8/16/2016 7:00:36 PM

Quant Time: Aug 15 19:17:40 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 15 18:52:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	135476	20.00	ng/ul	0.00
18) Naphthalene-d8	10.95	136	572376	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	361960	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	774740m	20.00	ng/ul	0.00
75) Chrysene-d12	21.88	240	813426m	20.00	ng/ul	0.00
83) Perylene-d12	25.29	264	803512	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	5457	1.71	ng/uL	0.00
5) Phenol-d5	7.27	99	144363	10.58	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.43	67	97186	11.11	ng/ul	0.00
9) 2-Chlorophenol-d4	7.64	132	105633	11.35	ng/ul	0.00
13) 4-Methylphenol-d8	8.82	113	104131	9.77	ng/ul	0.00
19) Nitrobenzene-d5	9.29	128	56989m	12.63	ng/ul	0.00
22) 2-Nitrophenol-d4	10.02	143	64807	12.51	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.57	165	109915	11.25	ng/ul	0.00
29) 4-Chloroaniline-d4	11.09	131	97297	8.48	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	378314	12.77	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	436823	13.10	ng/ul	0.00
51) 4-Nitrophenol-d4	15.02	143	52089	10.30	ng/ul	0.01
57) Fluorene-d10	15.79	176	335110	12.24	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.91	200	47482m	9.55	ng/ul	0.00
70) Anthracene-d10	17.65	188	492134	14.10	ng/ul	0.00
76) Pyrene-d10	19.94	212	572486m	13.90	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.04	264	541774	14.90	ng/ul	0.00

Target Compounds

						Qvalue
44) Dimethylphthalate	14.23	163	243200	8.29	ng/ul	98
47) Acenaphthylene	14.52	152	37957	1.09	ng/ul#	92
69) Phenanthrene	17.59	178	198280m	4.94	ng/ul	
74) Fluoranthene	19.61	202	484423m	11.79	ng/ul	
77) Pyrene	19.97	202	566644m	11.27	ng/ul	
80) Benzo(a)anthracene	21.85	228	332154	7.25	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.73	149	977586	38.12	ng/ul#	97
82) Chrysene	21.92	228	332894m	7.99	ng/ul	
85) Benzo(b)fluoranthene	24.20	252	382695m	8.37	ng/ul	
86) Benzo(k)fluoranthene	24.25	252	133675m	2.97	ng/ul	
88) Benzo(a)pyrene	25.12	252	282922	6.41	ng/ul#	94
89) Indeno(1,2,3-cd)pyrene	29.20	276	164949m	3.18	ng/ul	
90) Dibenzo(a,h)anthracene	29.23	278	49322m	1.12	ng/ul	
91) Benzo(g,h,i)perylene	30.41	276	133587m	3.11	ng/ul	

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

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