

Quantitation Report (Qedit)

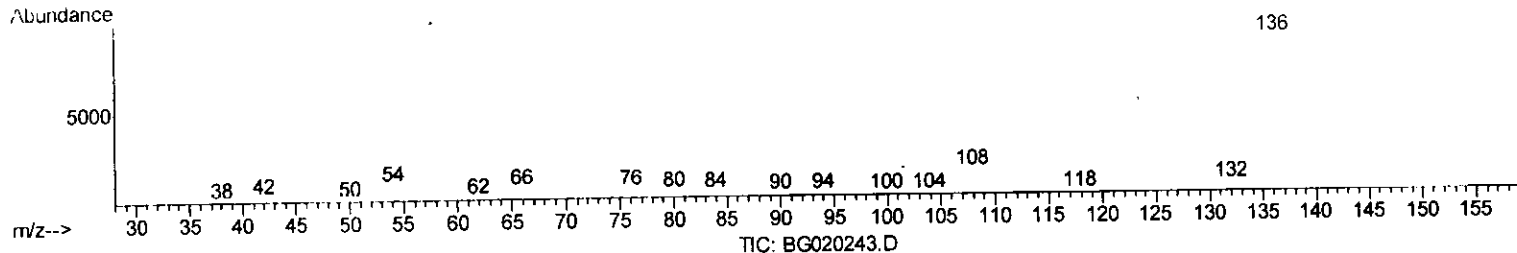
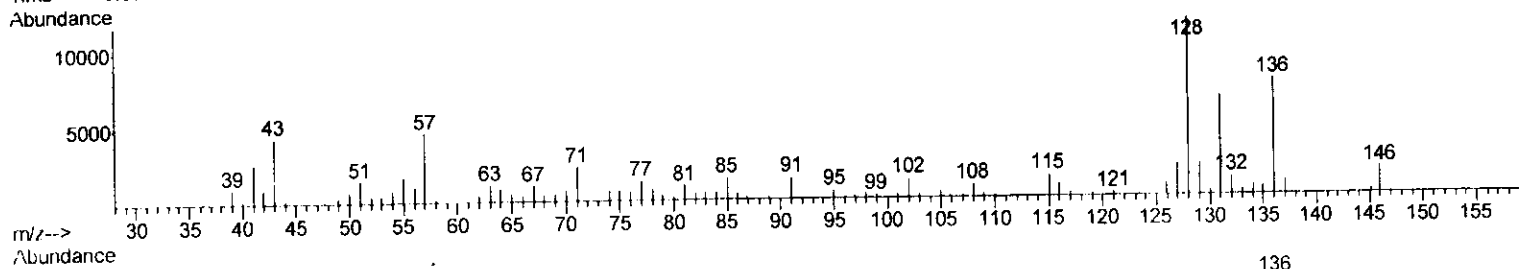
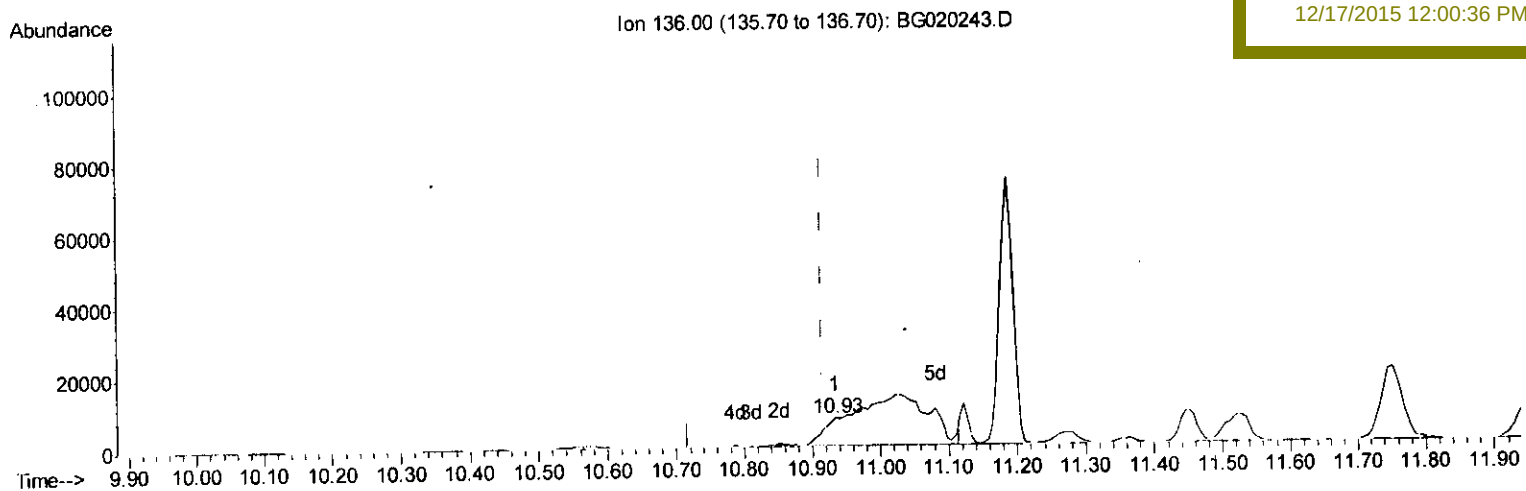
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
 Data File : BG020243.D
 Acq On : 17 Dec 2015 5:24
 Operator : UM/SJ
 Sample : G4767-22
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44

Quant Time: Dec 17 06:42:28 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 17 06:39:33 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 12:00:36 PM



(18) Naphthalene-d8 (I)

10.934min (+0.018) 20.00ng/ul

response 13498

Ion	Exp%	Act%
136.00	100	100
68.00	5.80	7.35#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

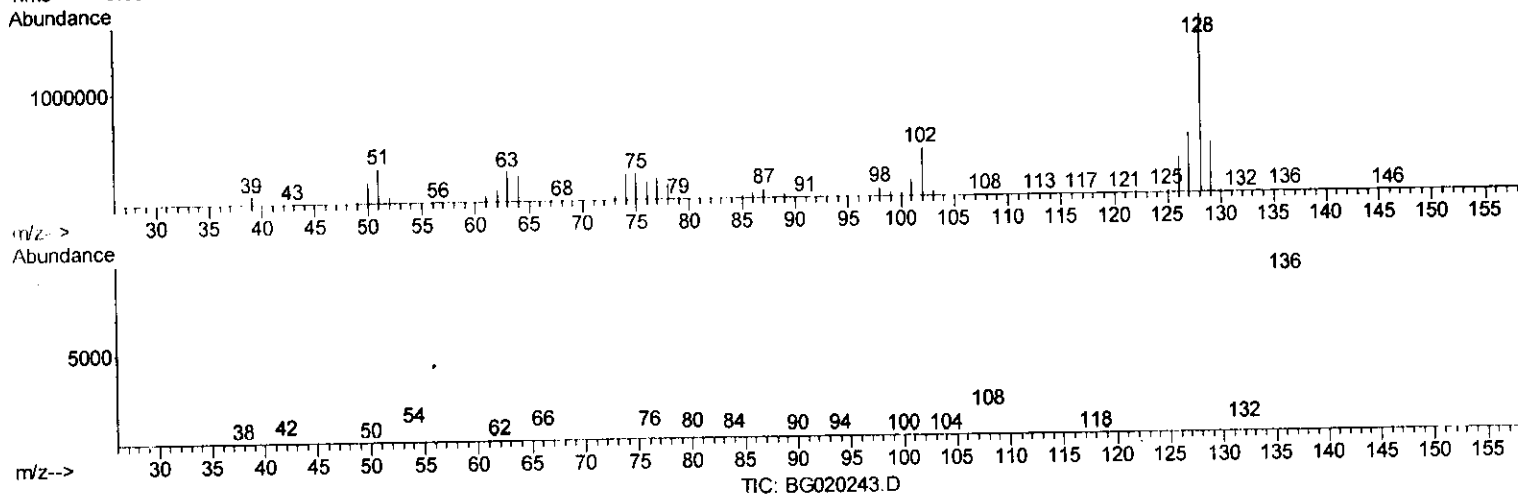
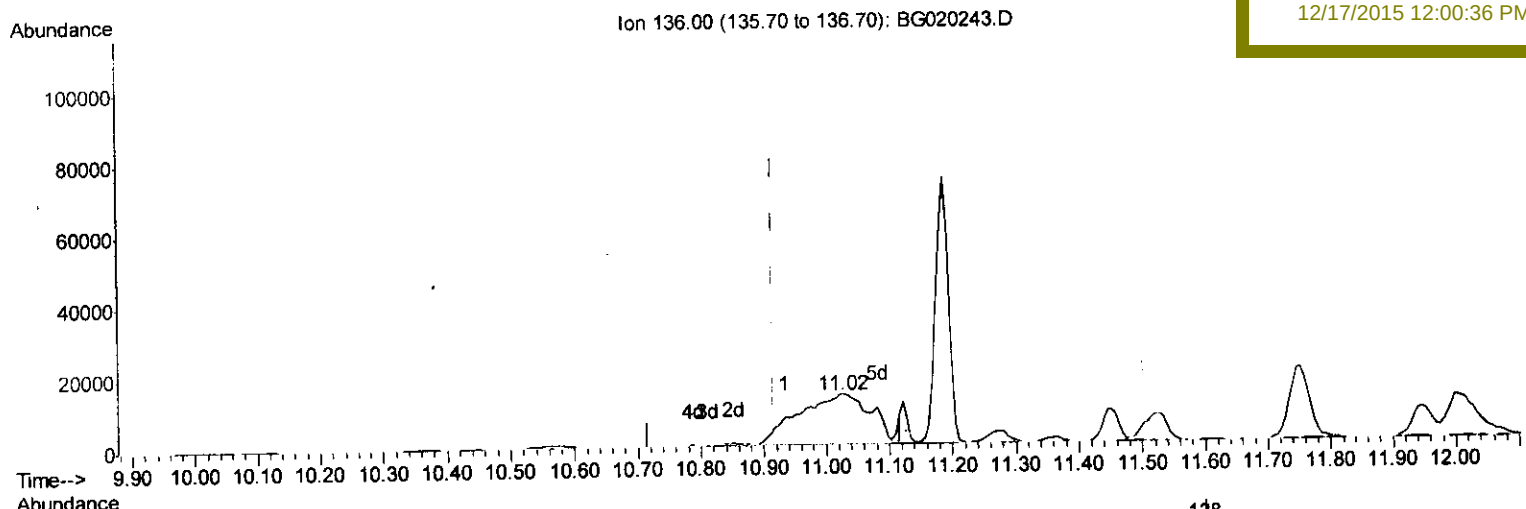
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
 Data File : BG020243.D
 Acq On : 17 Dec 2015 5:24
 Operator : UM/SJ
 Sample : 04767-22
 Misc :
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(18) Naphthalene-d8 (I)

11.022min (+0.106) 20.00ng/ul m

response 110676

Ion	Exp%	Act%
136.00	100	100
68.00	5.80	6.98#
0.00	0.00	0.00
0.00	0.00	0.00

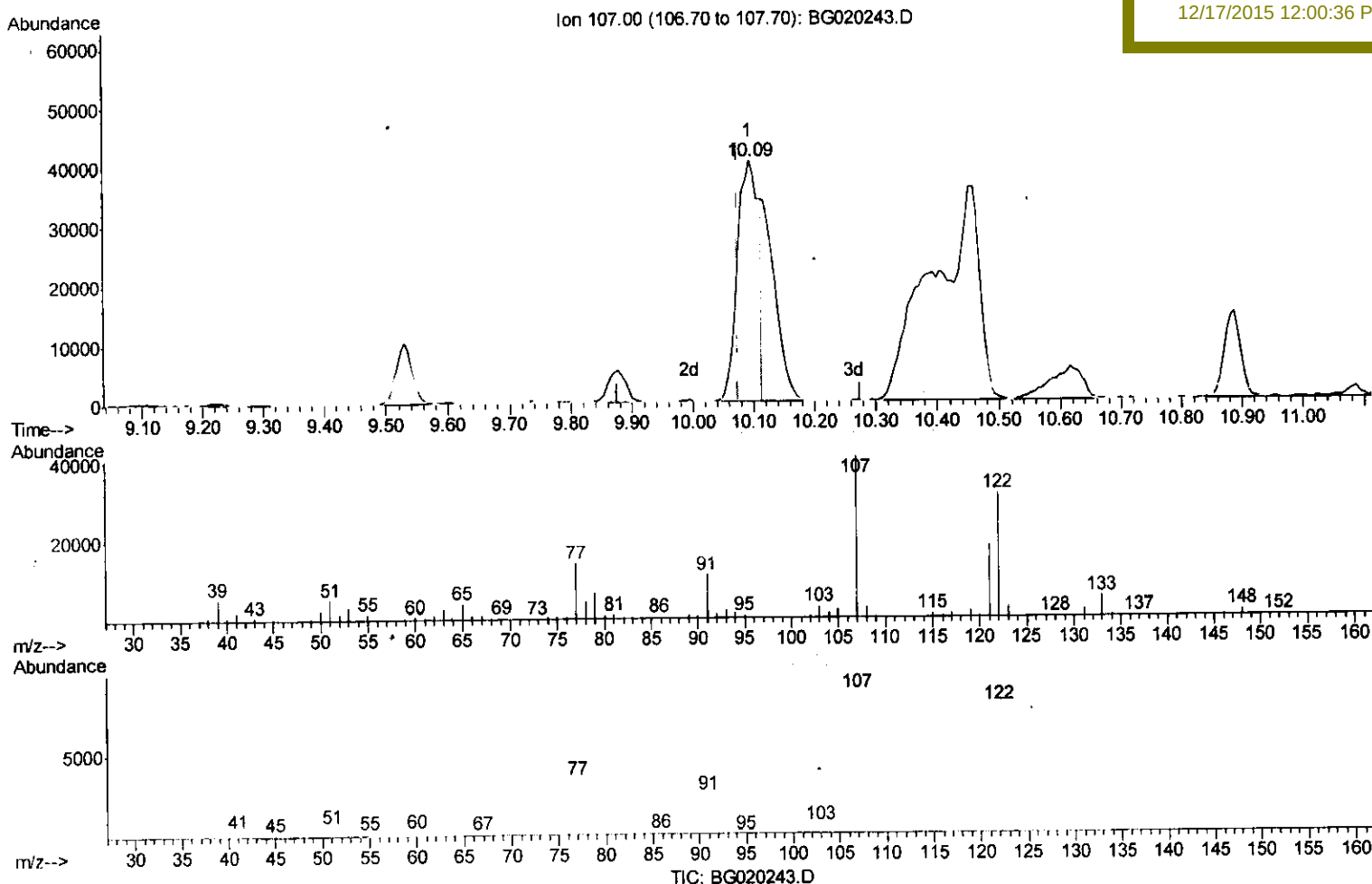
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020243.D
Acq On : 17 Dec 2015 5:24
Operator : UM/SJ
Sample : G4767-22
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 17 07:17:26 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
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(24) 2,4-Dimethylphenol

10.094min (+0.018) 42.07ng/ul

response 98338

Ion	Exp%	Act%
107.00	100	100
121.00	48.70	45.28
122.00	77.60	76.70
0.00	0.00	0.00

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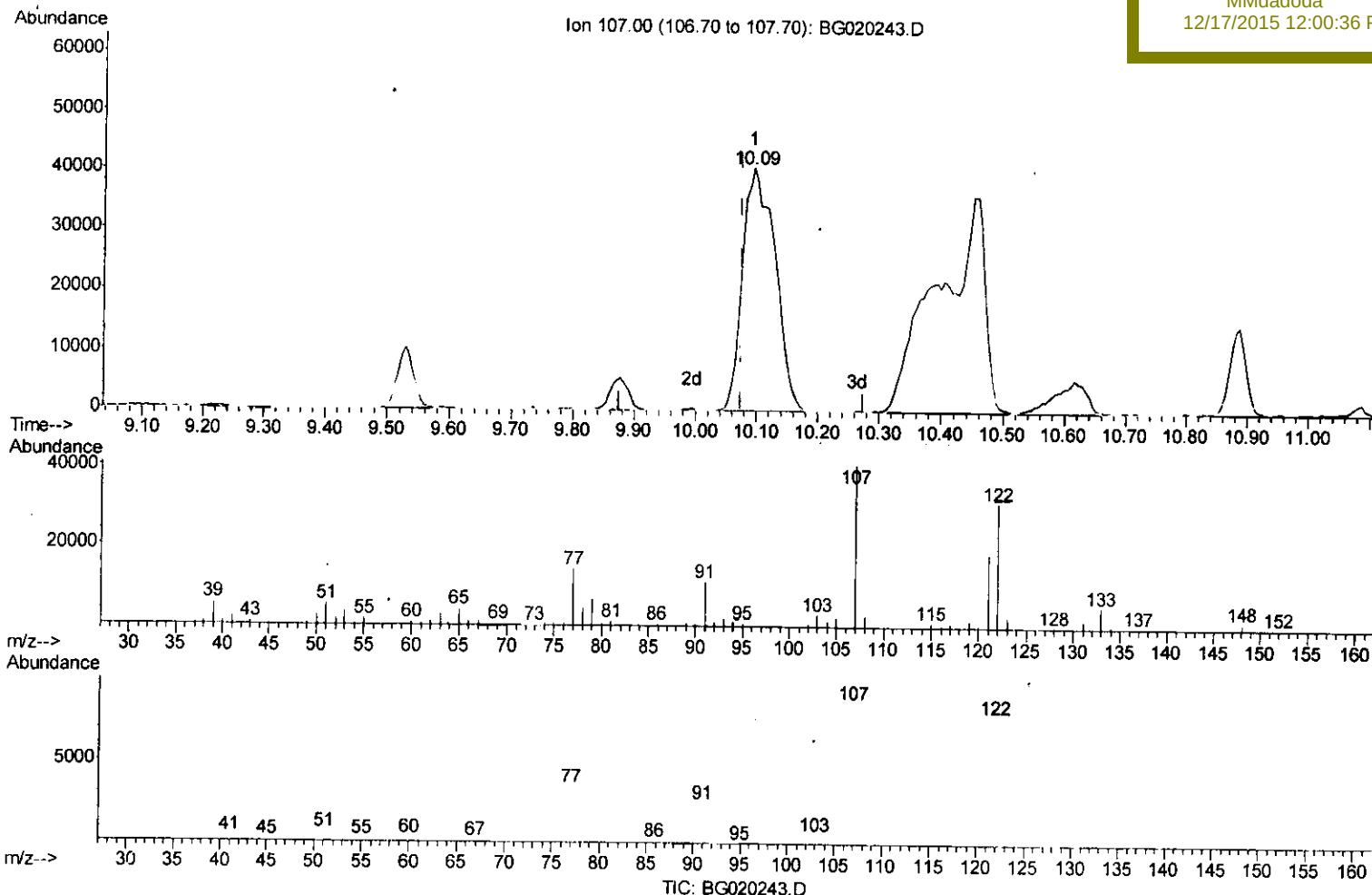
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
 Data File : BG020243.D
 Acq On : 17 Dec 2015 5:24
 Operator : UM/SJ
 Sample : G4767-22
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

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(24) 2,4-Dimethylphenol

10.094min (+0.018) 64.25ng/ul m

response 150187

Ion	Exp%	Act%
107.00	100	100
121.00	48.70	45.28
122.00	77.60	76.70
0.00	0.00	0.00

>U.M
 28/12/15

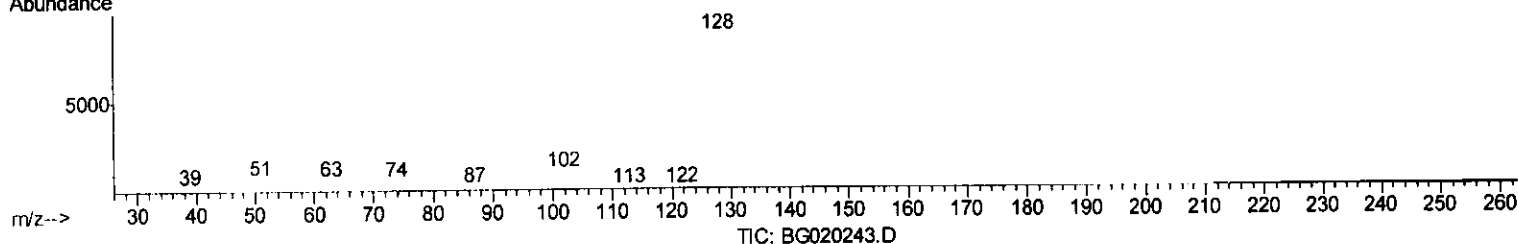
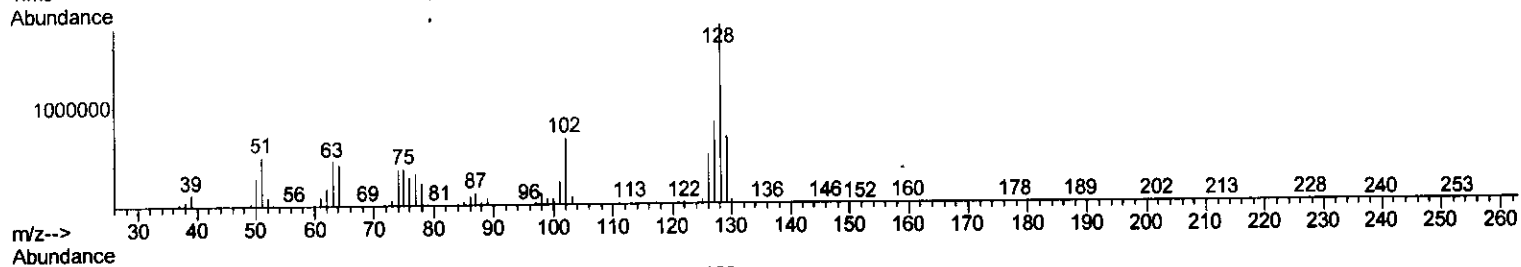
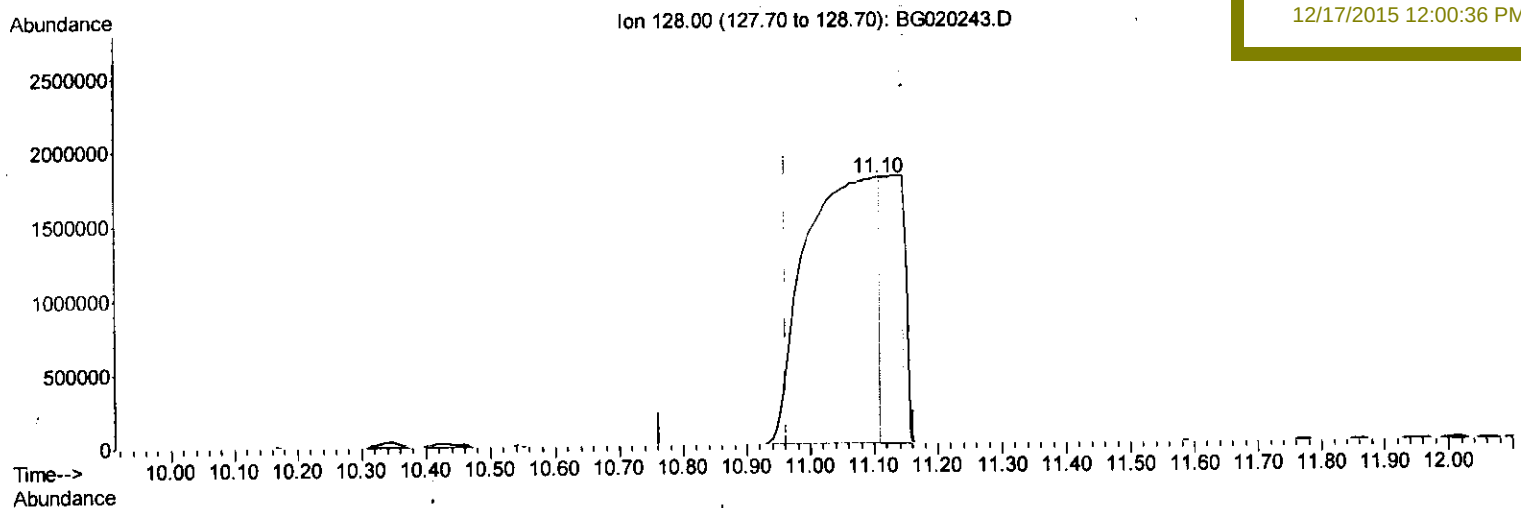
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(28) Naphthalene

11.105min (+0.142) 2464.43ng/ui

response 14243654

Ion	Exp%	Act%
128.00	100	100
129.00	10.70	37.42#
127.00	12.60	45.99#
0.00	0.00	0.00

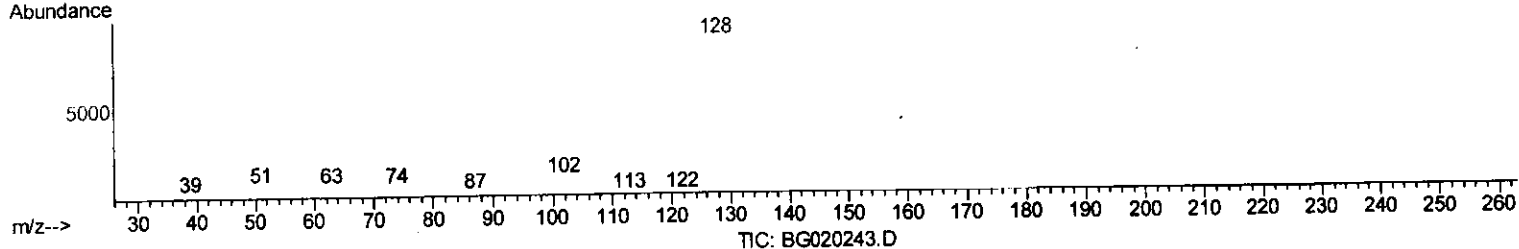
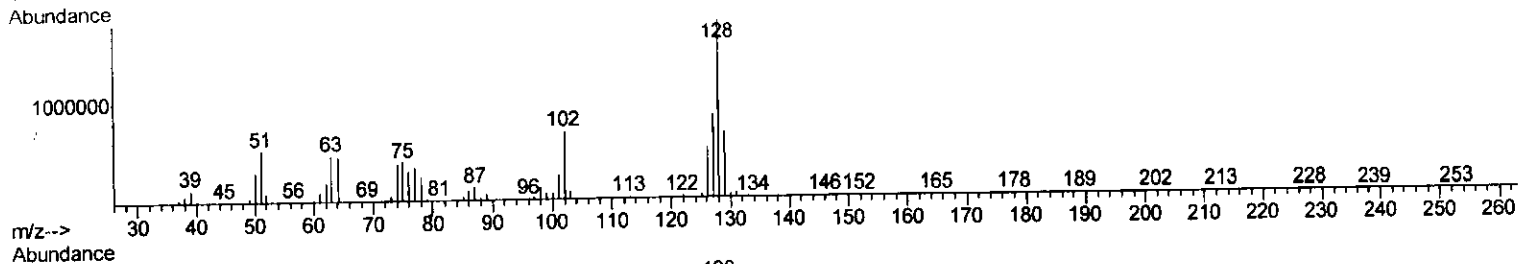
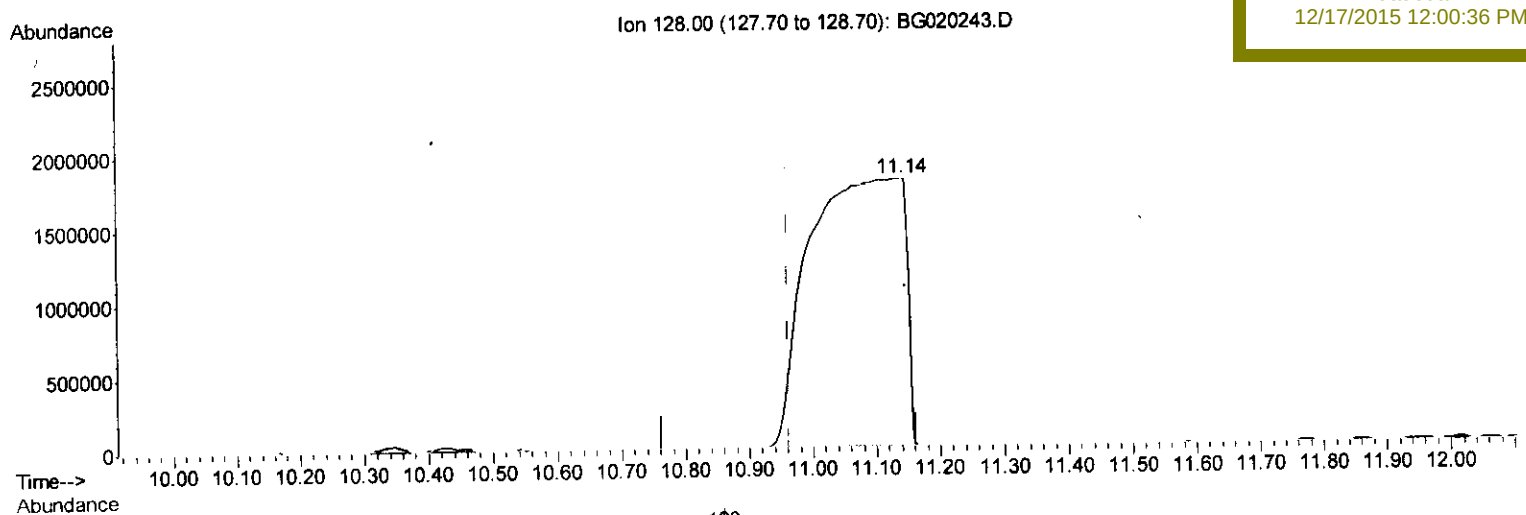
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(28) Naphthalene

11.140min (+0.177) 3197.15ng/ul m

response 18478517

Ion Exp% Act%

128.00 100 100

129.00 10.70 36.46#

127.00 12.60 46.63#

0.00 0.00 0.00

> U.M
28/12/15

Quantitation Report (Qedit)

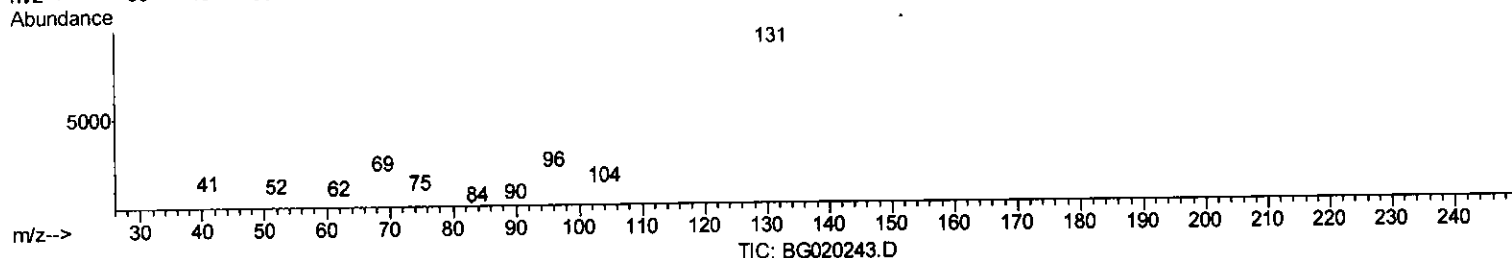
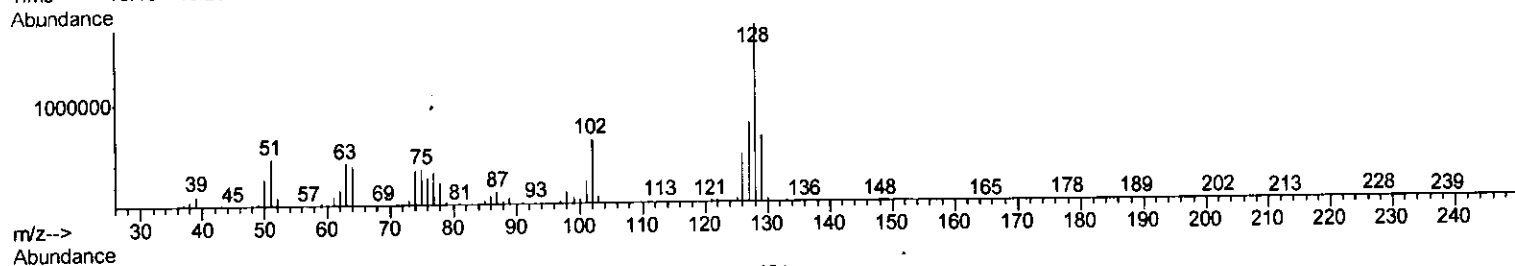
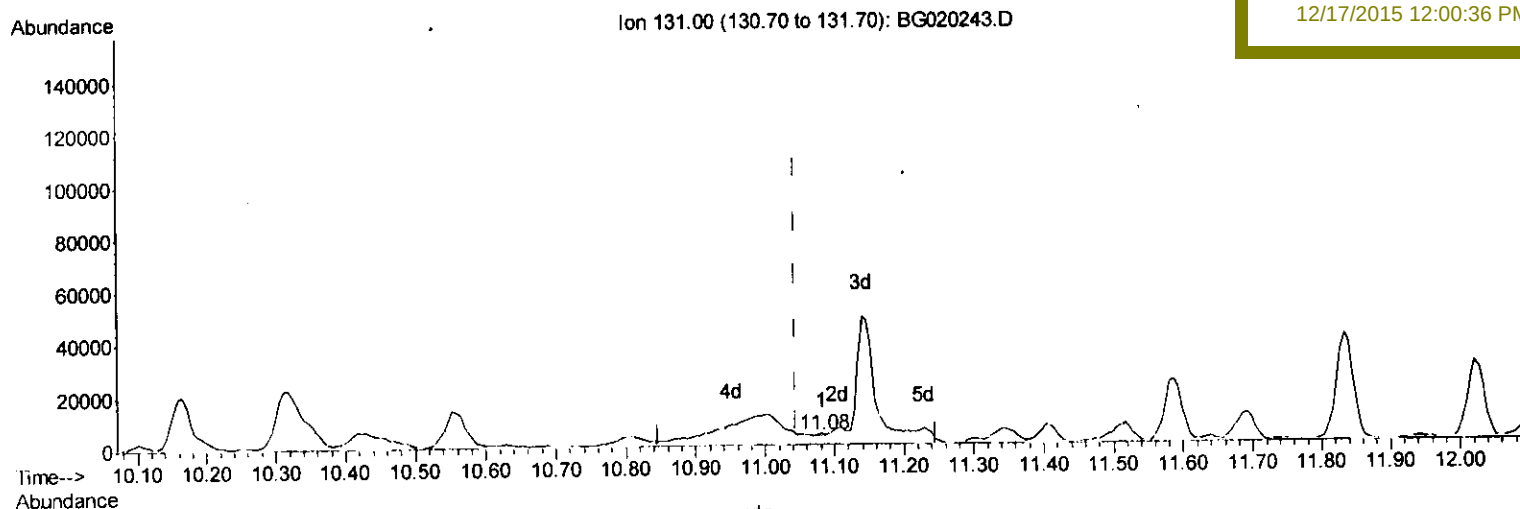
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
 Data File : BG020243.D
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 Operator : UM/SJ
 Sample : G4767-22
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 D9N44

Manual Integrations
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(29) 4-Chloroaniline-d4 (S)

11.081min (+0.036) 0.14ng/ul

response 311

Ion	Exp%	Act%
131.00	100	100
133.00	30.40	242.87#
69.00	17.80	34.50#
0.00	0.00	0.00

Quantitation Report (Qedit)

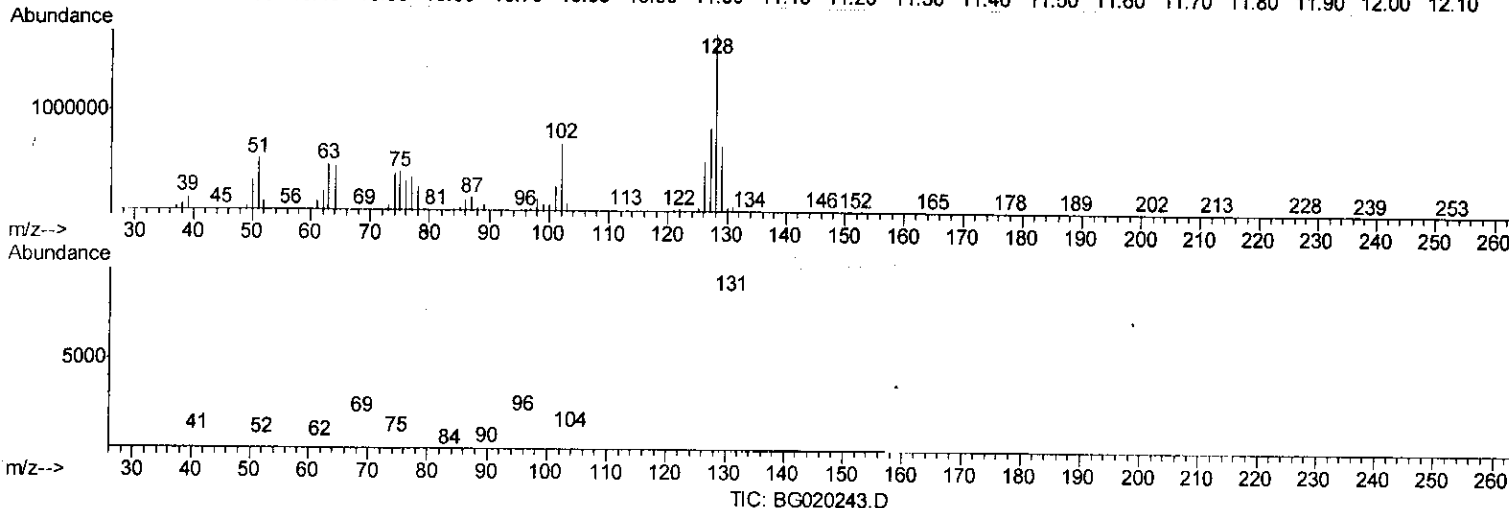
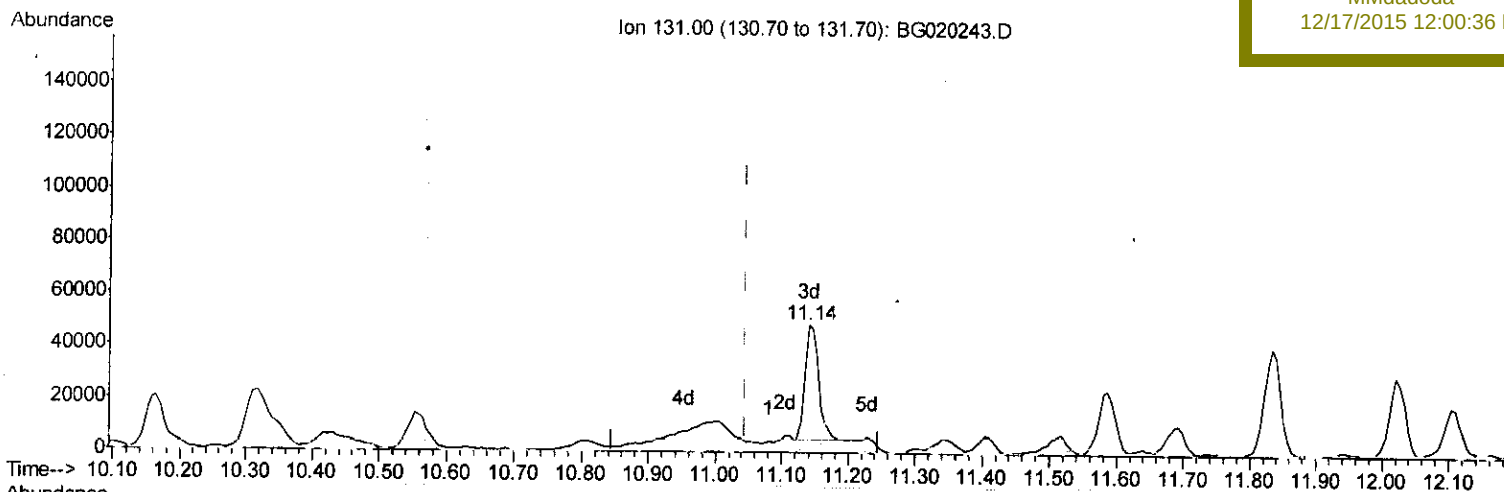
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 Misc :
 ALS Vial : 28 Sample Multiplier: 1

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Instrument :
 BNA G
 ClientSampleId :
 D9N44

Manual Integrations
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MMdadoda
 12/17/2015 12:00:36 PM



(29) 4-Chloroaniline-d4 (S)

11.140min (+0.095) 28.64ng/ul m

response 62568

Ion	Exp%	Act%
131.00	100	100
133.00	30.40	16.84#
69.00	17.80	12.42#
0.00	0.00	0.00

> 12.14
 28/12/15

Quantitation Report (Qedit)

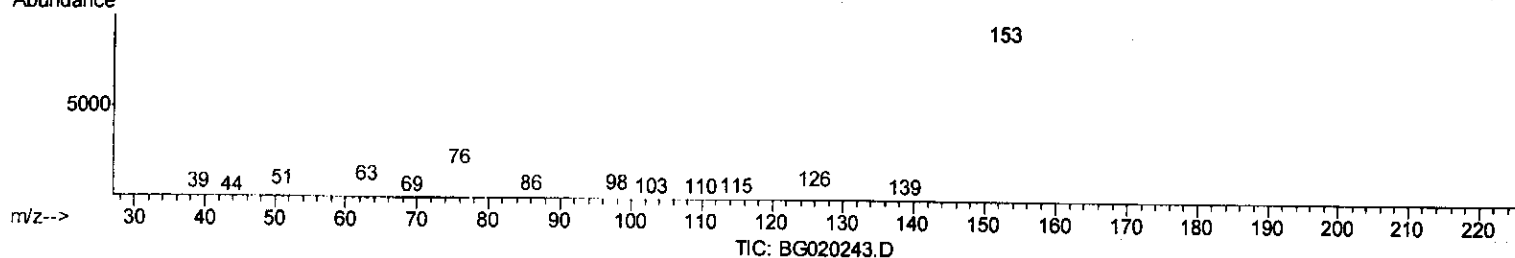
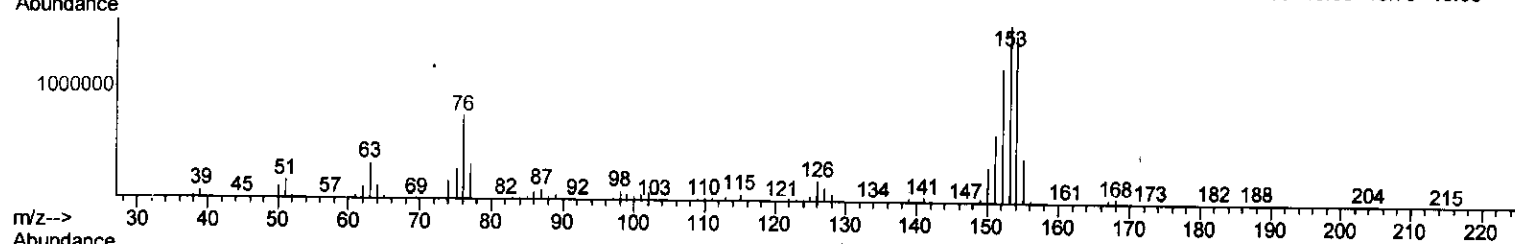
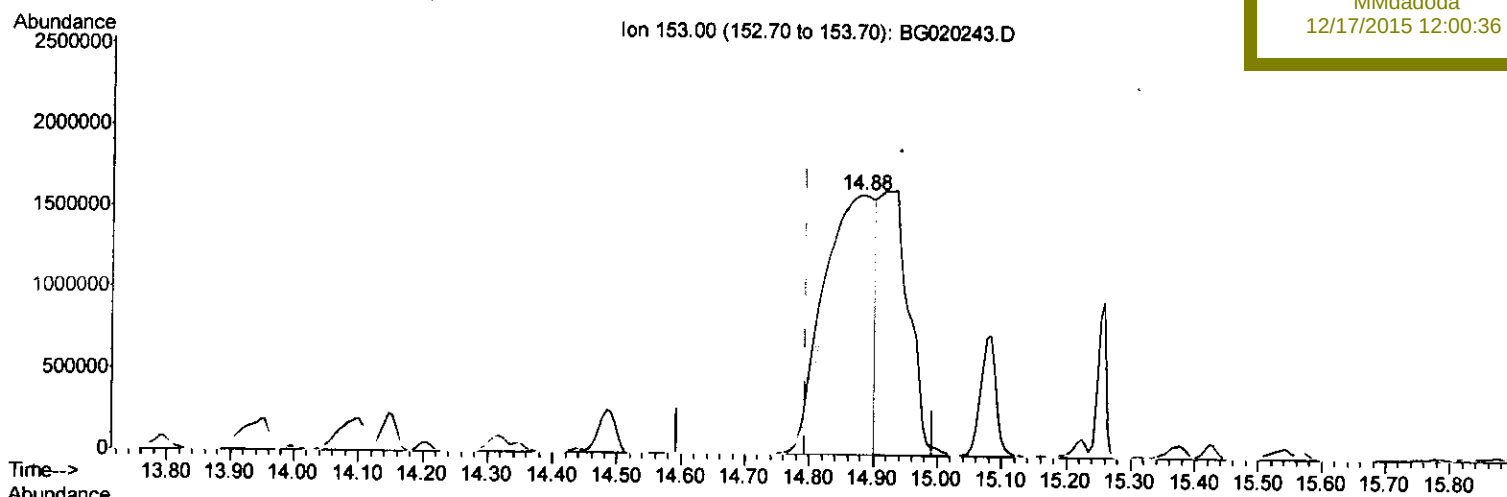
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
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(50) Acenaphthene (C)

14.883min (+0.089) 940.56ng/ul

response 8645508

Ion	Exp%	Act%
153.00	100	100
152.00	47.00	76.02#
154.00	84.90	94.36
0.00	0.00	0.00

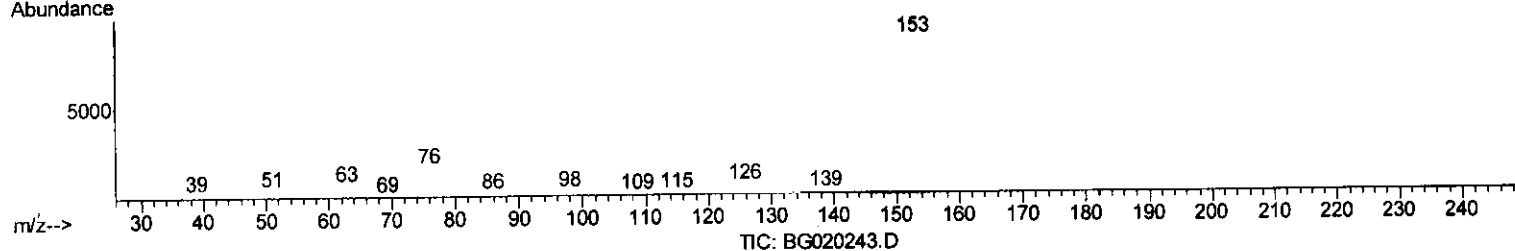
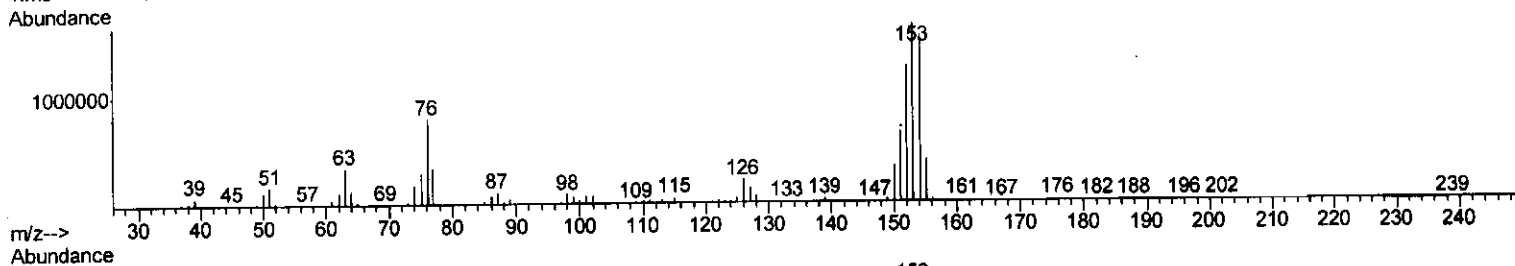
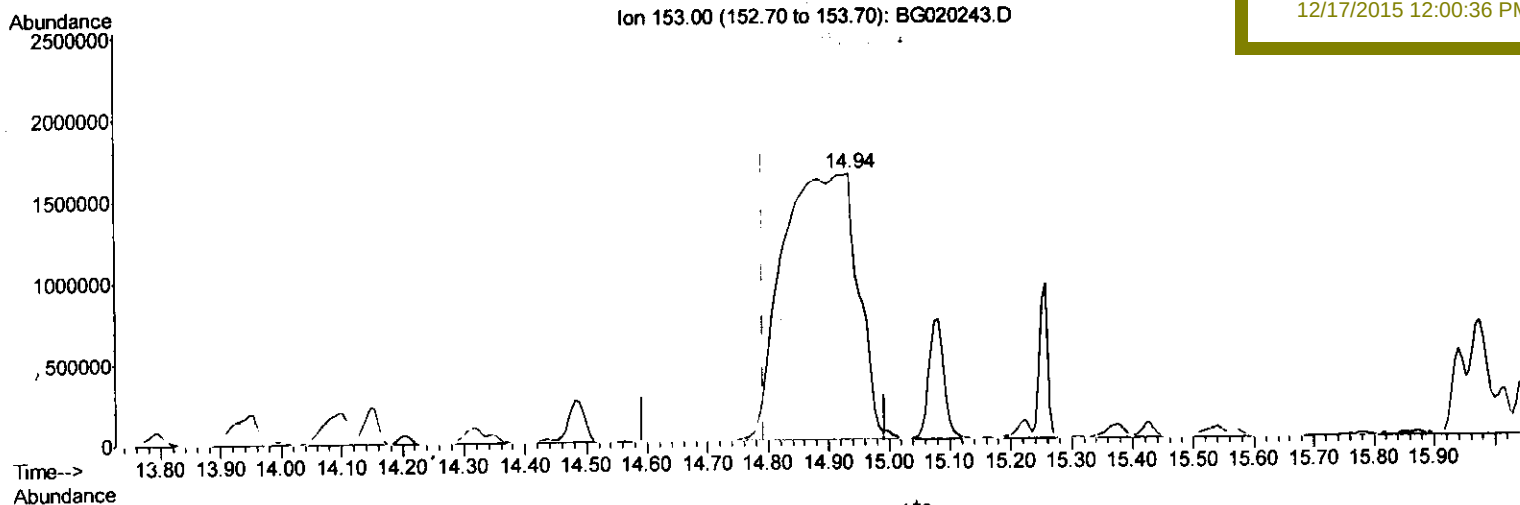
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020243.D
Acq On : 17 Dec 2015 5:24
Operator : UM/SJ
Sample : G4767-22
Misc :
ALS Vial : 28 Sample Multiplier: 1

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Instrument :
BNA_G
ClientSampleId :
D9N44

Manual Integrations
APPROVED

MMdadoda
12/17/2015 12:00:36 PM



(50) Acenaphthene (C)

14.935min (+0.142) 1533.49ng/ul m

response 14095632

Ion Exp% Act%

153.00 100 100

152.00 47.00 76.63#

154.00 84.90 94.05

0.00 0.00 0.00

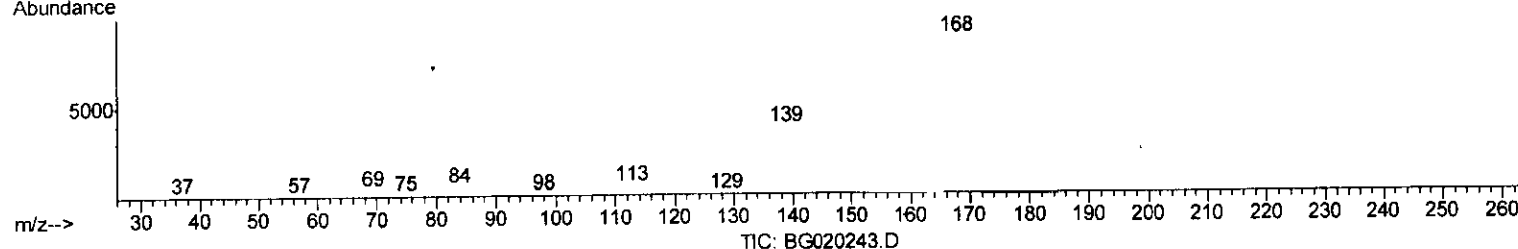
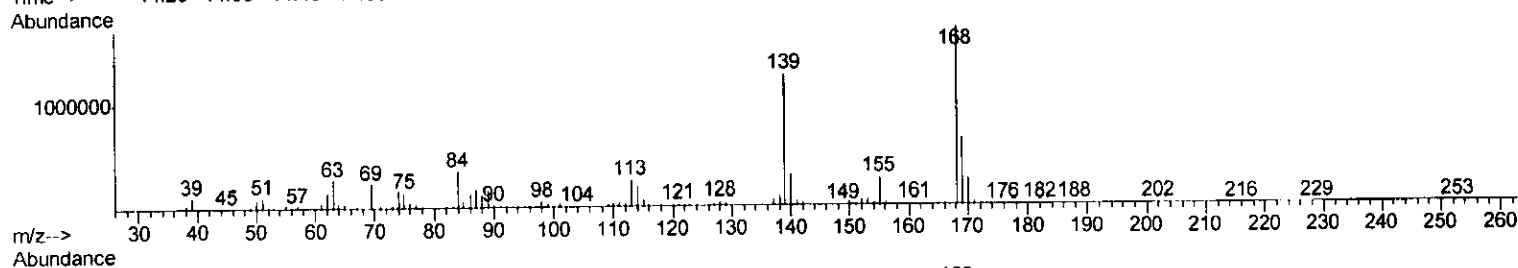
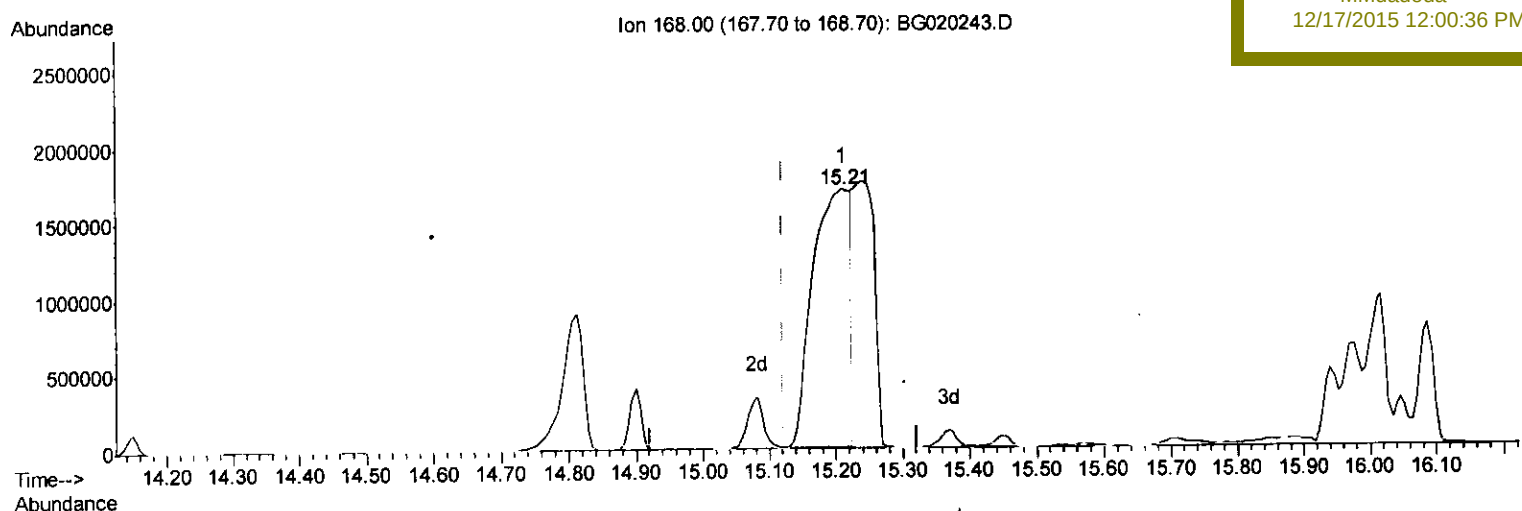
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
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Manual Integrations
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(54) Dibenzofuran

15.212min (+0.089) 488.05ng/ul

response 6673489

Ion	Exp%	Act%
168.00	100	100
139.00	38.10	73.49#
0.00	0.00	0.00
0.00	0.00	0.00

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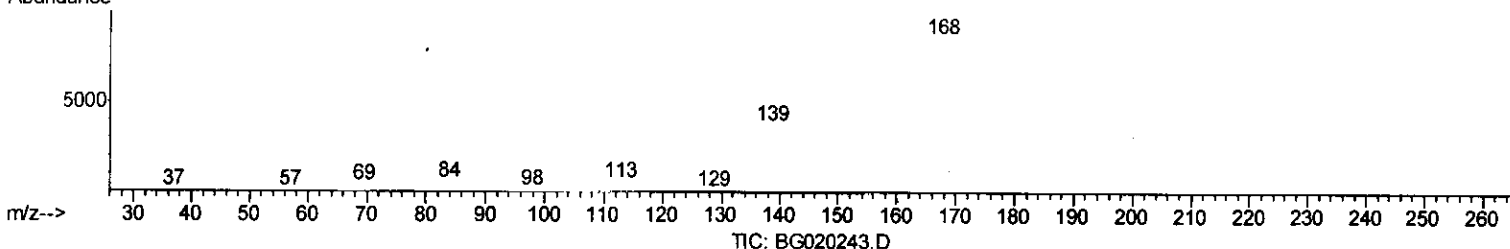
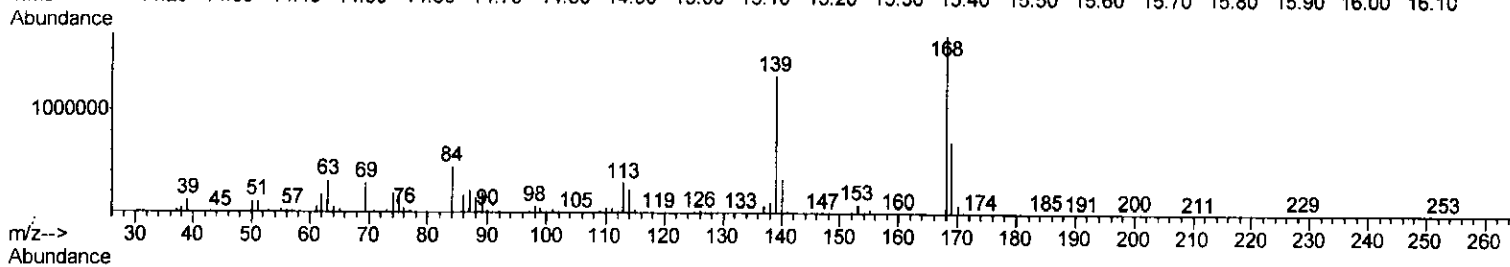
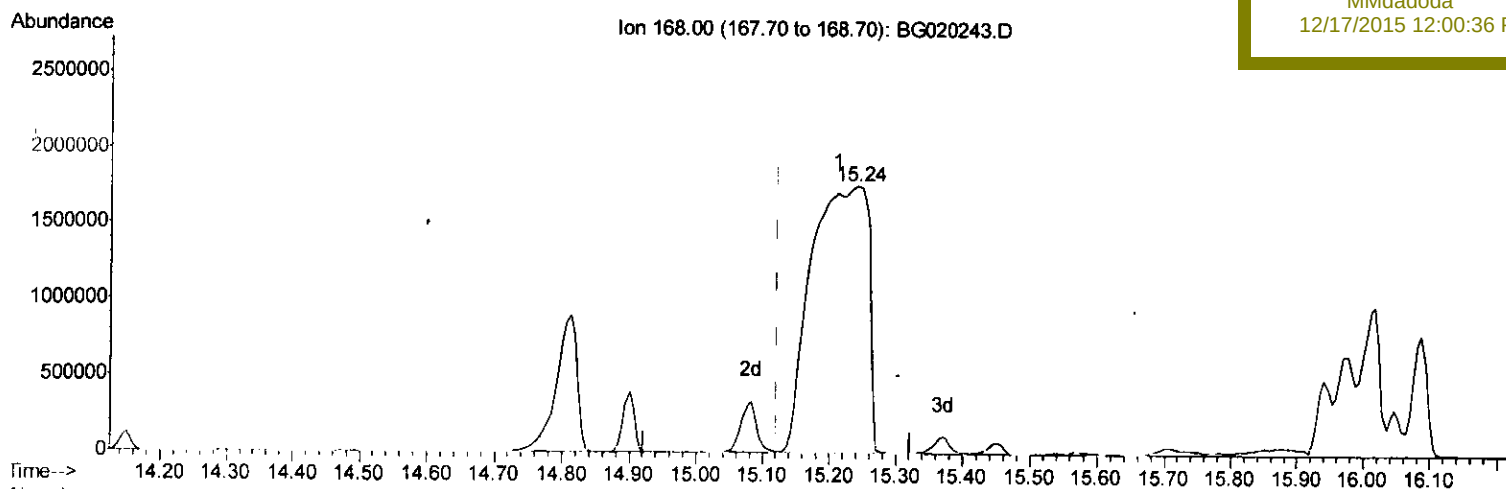
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MMdadoda
 12/17/2015 12:00:36 PM



(54) Dibenzofuran

15.241min (+0.118) 767.68ng/ul m

response 10497036

Ion	Exp%	Act%
168.00	100	100
139.00	38.10	77.02#
0.00	0.00	0.00
0.00	0.00	0.00

> U.M
 28/12/15

Quantitation Report (Qedit)

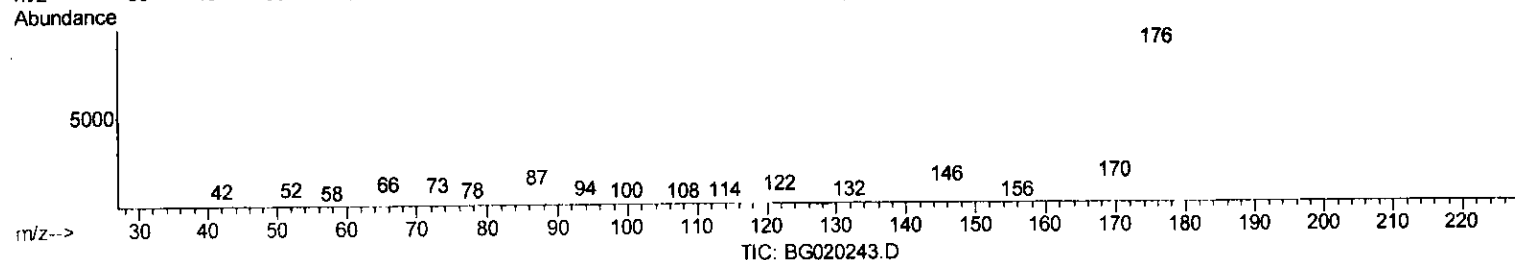
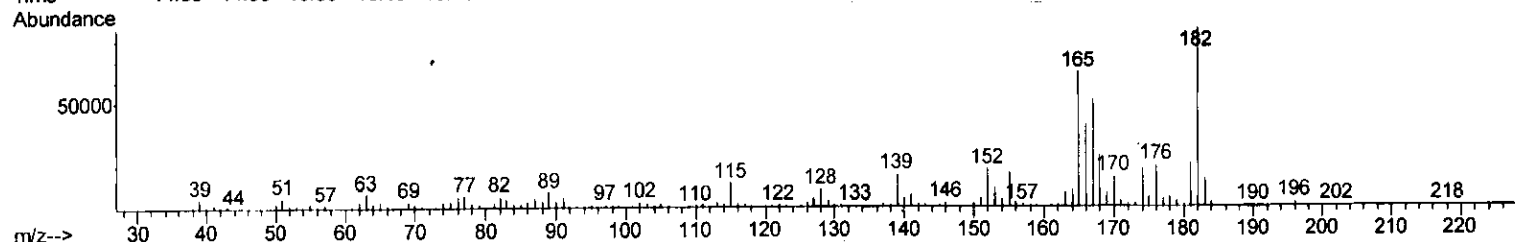
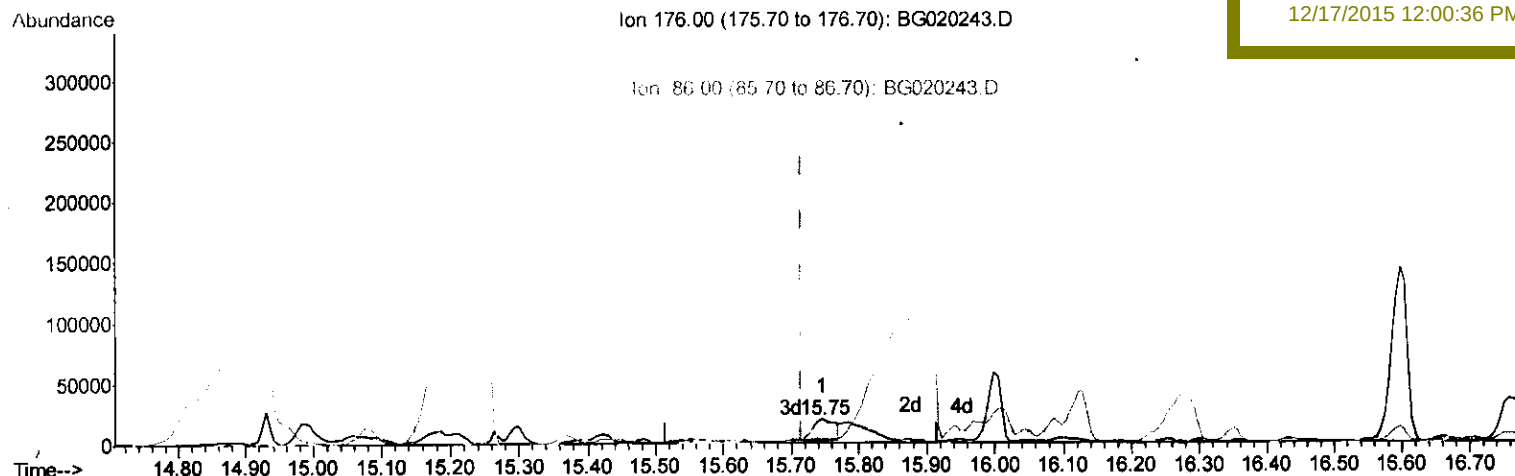
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(58) Fluorene-d10 (S)

15.746min (+0.030) 4.29ng/ul

response 42981

Ion	Exp%	Act%
176.00	100	100
174.00	94.00	91.86
87.00	8.10	23.57#
86.00	7.80	17.13#

Quantitation Report (Qedit)

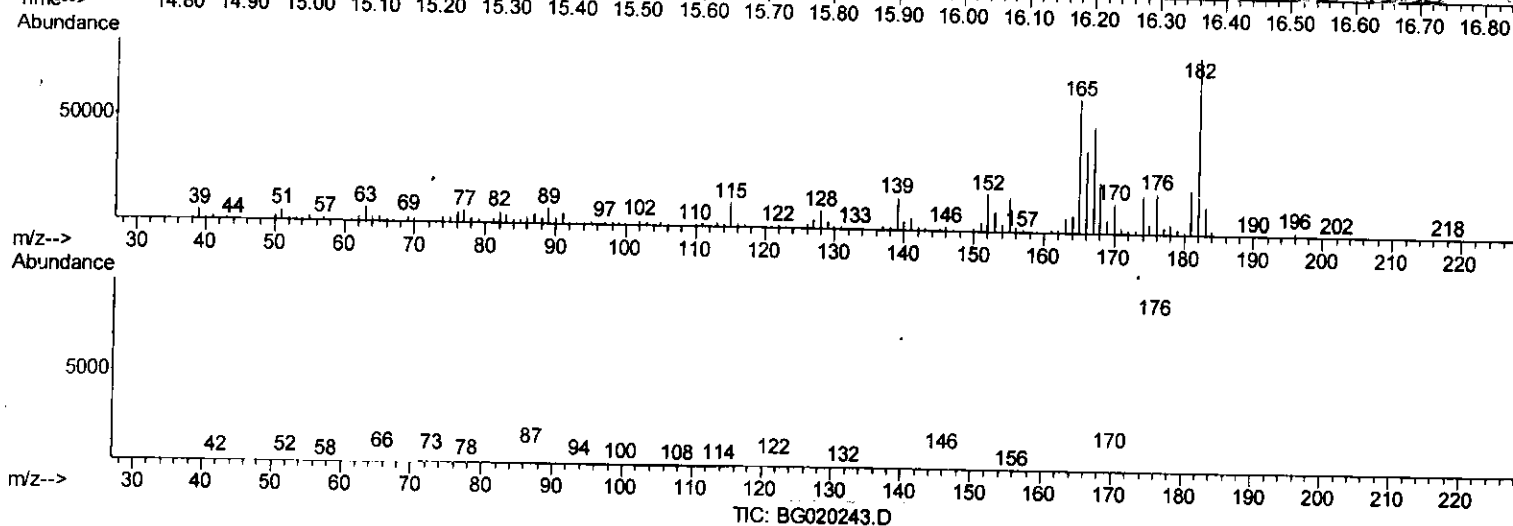
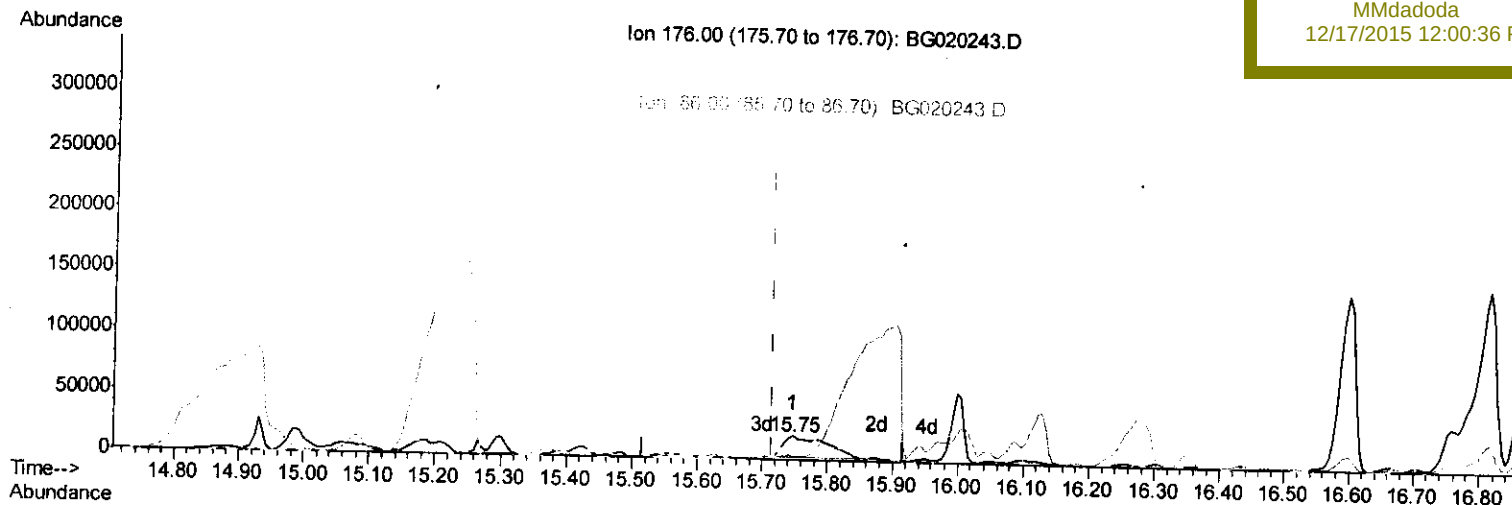
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
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 APPROVED

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(58) Fluorene-d10 (S)

15.746min (+0.030) 8.67ng/ul m

response 86922

Ion	Exp%	Act%
176.00	100	100
174.00	94.00	91.86
87.00	8.10	23.57#
86.00	7.80	17.13#

> U.M
 28/12/15

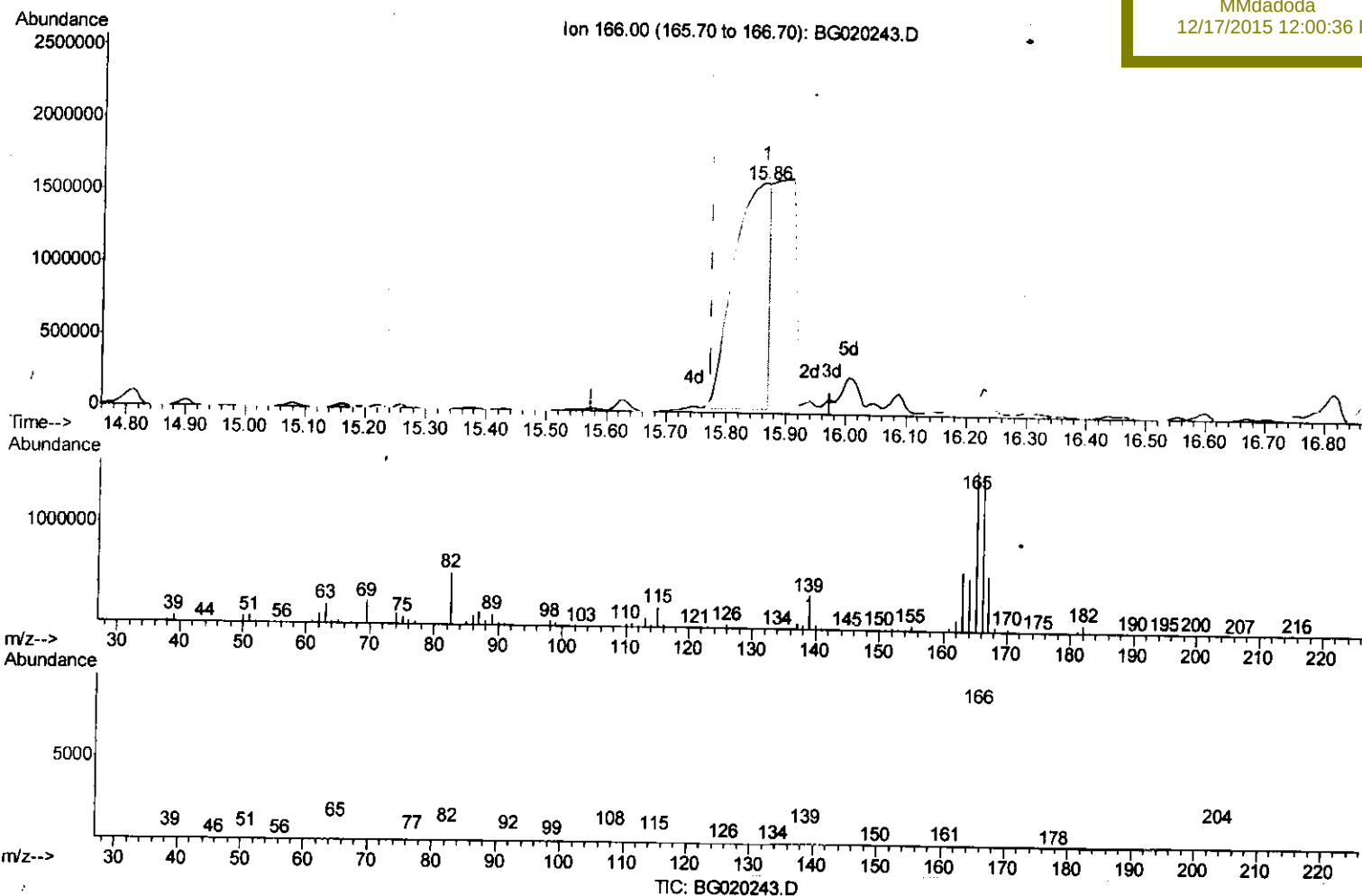
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(59) Fluorene

15.864min (+0.089) 593.49ng/ul

response 6516782

Ion	Exp%	Act%
166.00	100	100
165.00	101.70	101.95
167.00	14.00	34.63#
0.00	0.00	0.00

Quantitation Report (Qedit)

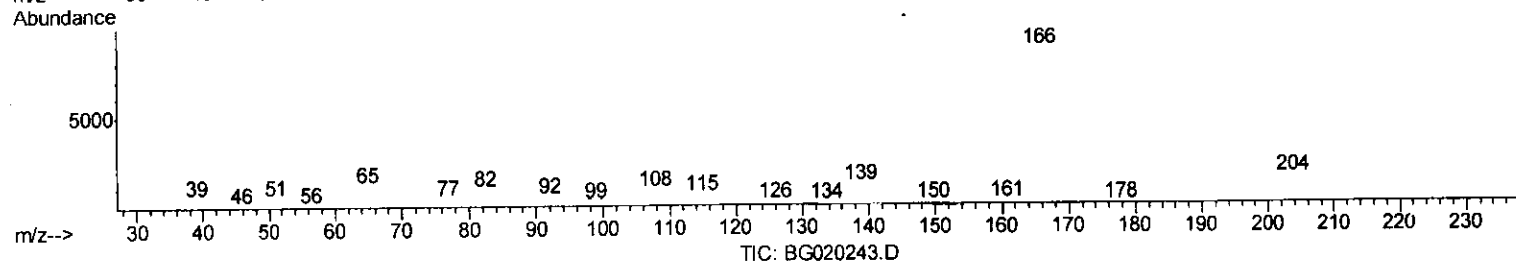
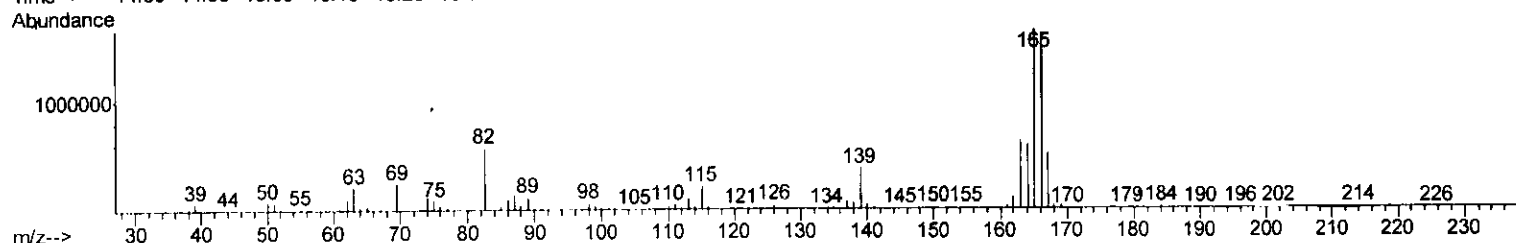
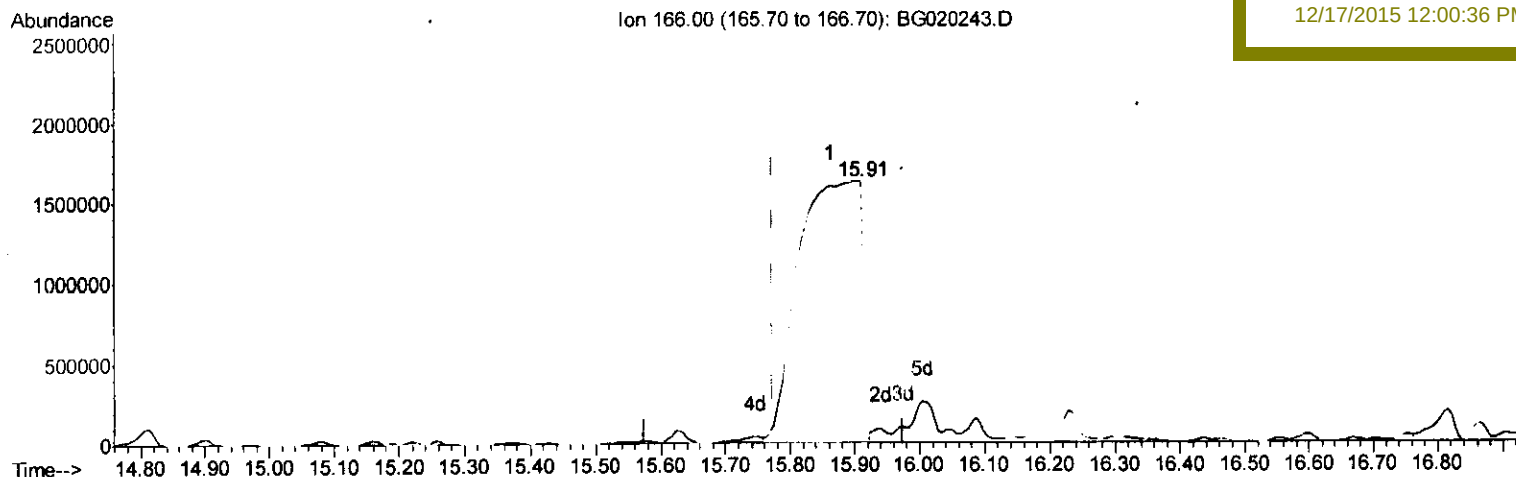
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 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 17 07:17:26 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 17 06:39:33 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 D9N44

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 12:00:36 PM



(59) Fluorene

15.911min (+0.136) 1002.29ng/ul m

response 11005609

Ion	Exp%	Act%
166.00	100	100
165.00	101.70	101.95
167.00	14.00	31.76#
0.00	0.00	0.00

Handwritten: U.M
 28/12/15

Quantitation Report (Qedit)

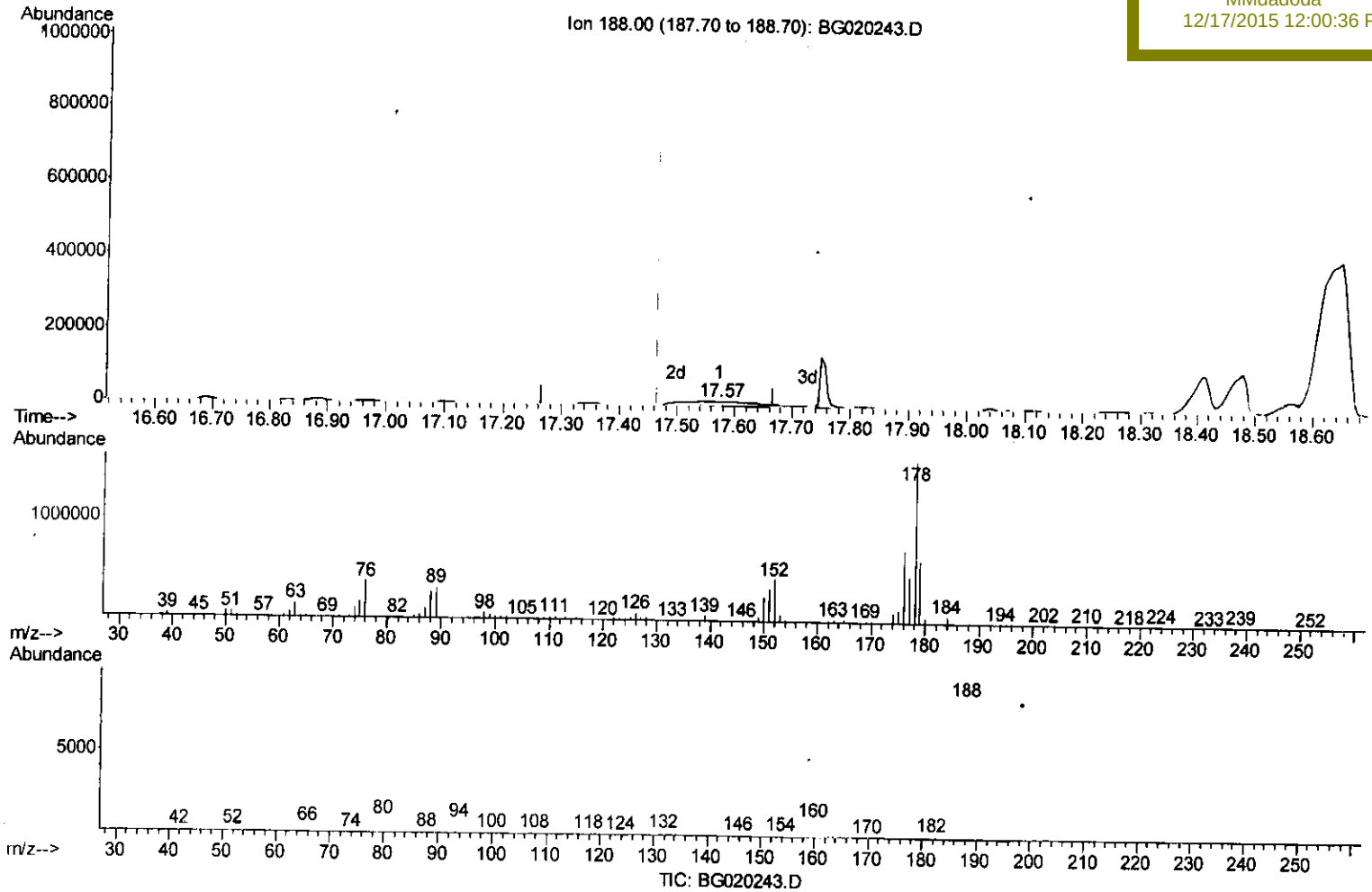
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
 Data File : BG020243.D
 Acq On : 17 Dec 2015 5:24
 Operator : UM/SJ
 Sample : G4767-22
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 17 07:17:26 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 Quant Update : Thu Dec 17 06:39:33 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
ClientSampleId :
 D9N44

Manual Integrations
APPROVED

MMdadoda
 12/17/2015 12:00:36 PM



(62) Phenanthrene-d10 (I)

17.573min (+0.106) 20.00ng/ul

response 81119

Ion	Exp%	Act%
188.00	100	100
94.00	6.90	13.50#
80.00	8.90	11.20#
0.00	0.00	0.00

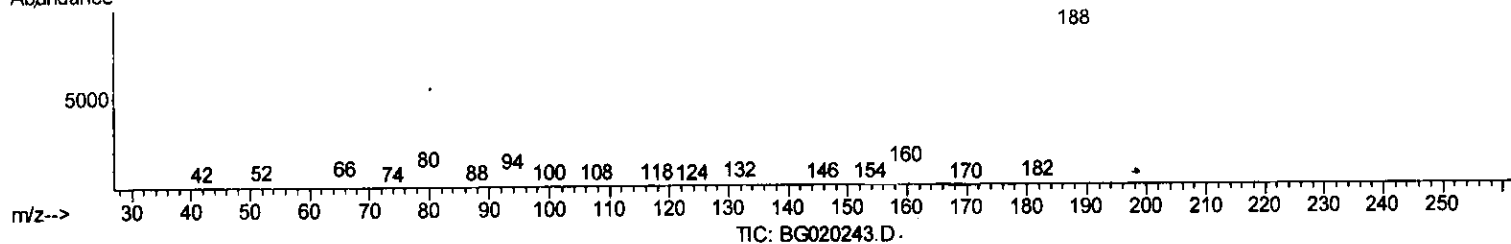
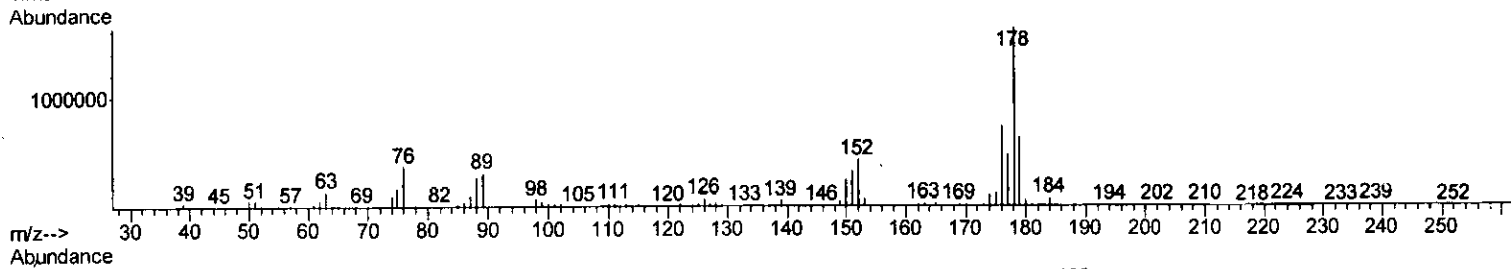
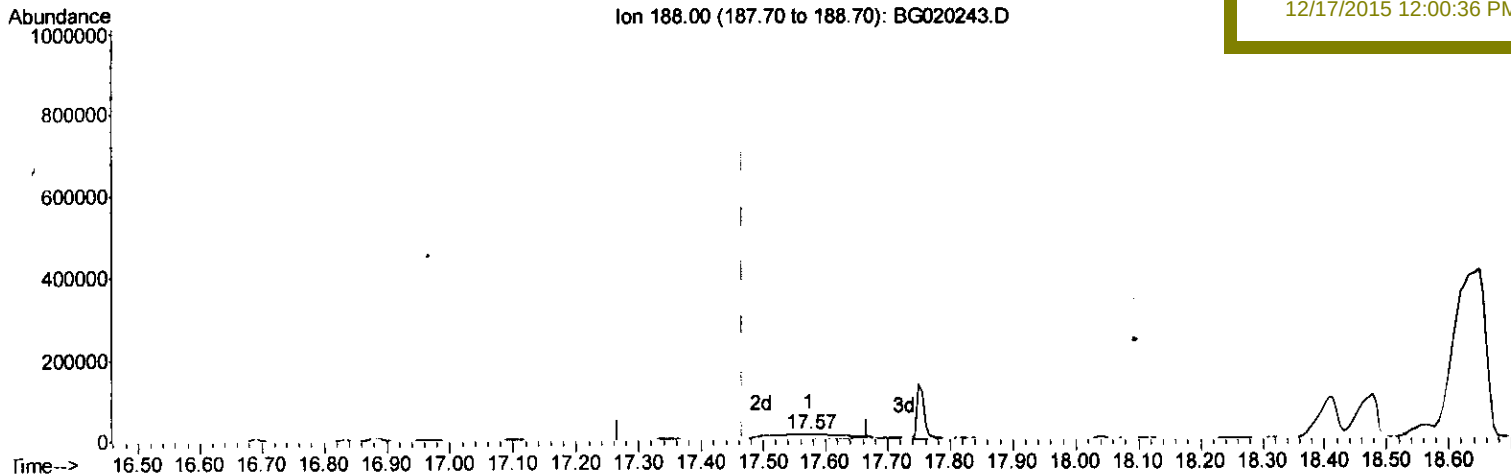
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020243.D
Acq On : 17 Dec 2015 5:24
Operator : UM/SJ
Sample : G4767-22
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 17 07:17:26 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 17 06:39:33 2015
Response via : Initial Calibration

Instrument :
BNA_G
Client Sample ID :
D9N44

Manual Integrations
APPROVED

MMdadoda
12/17/2015 12:00:36 PM



(62) Phenanthrene-d10 (I)

17.573min (+0.106) 20.00ng/ul m

response 115594

Ion	Exp%	Act%
188.00	100	100
94.00	6.90	13.50#
80.00	8.90	11.20#
0.00	0.00	0.00

> U.M.
28/12/15

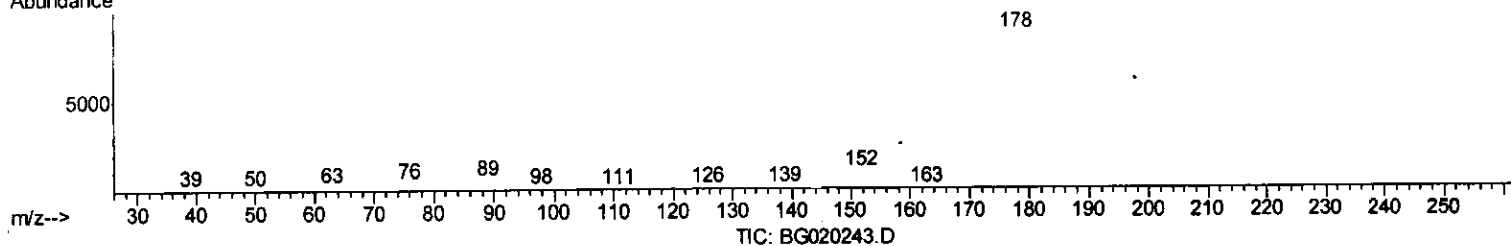
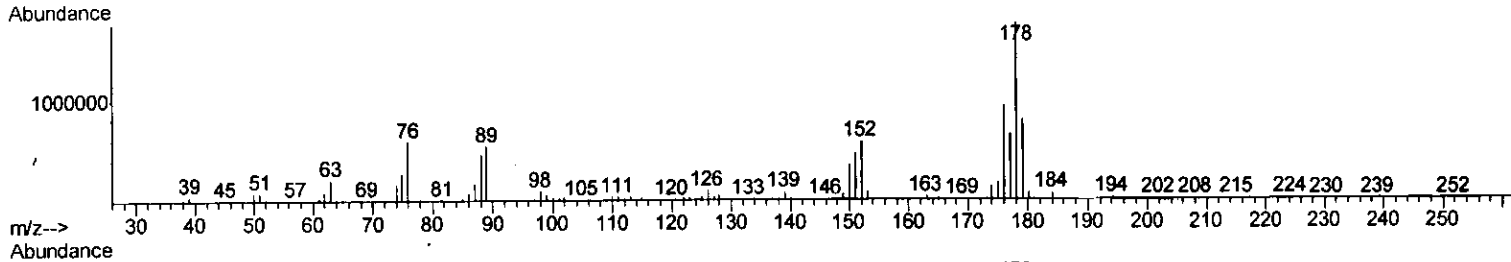
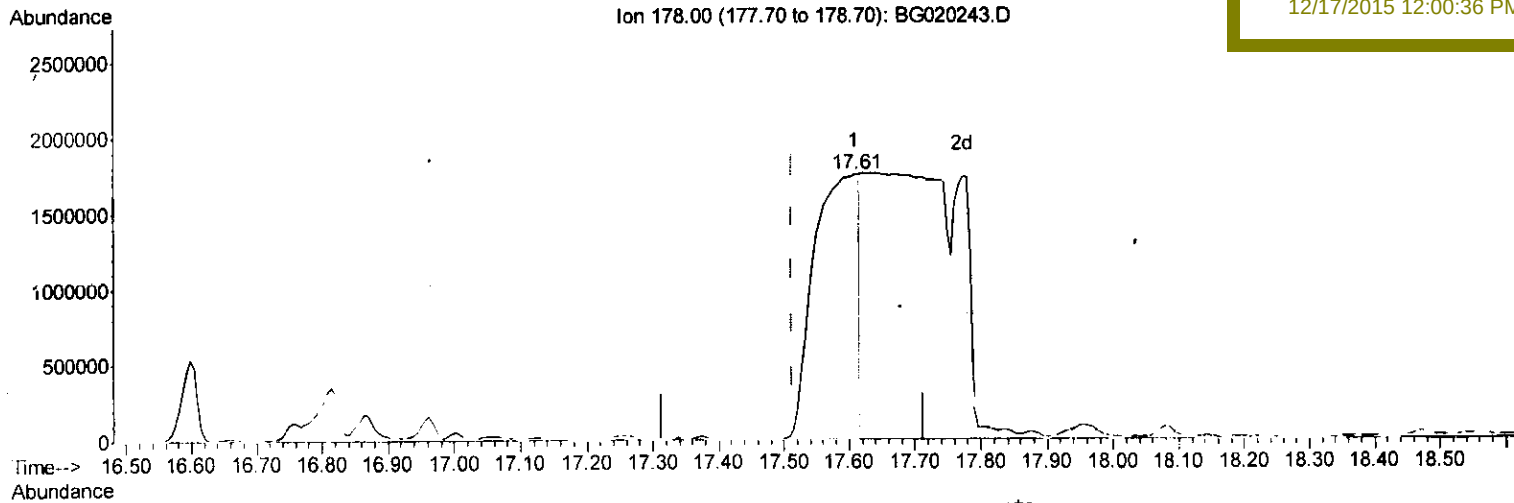
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020243.D
Acq On : 17 Dec 2015 5:24
Operator : UM/SJ
Sample : G4767-22
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 17 07:17:26 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 17 06:39:33 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N44

Manual Integrations
APPROVED

MMdadoda
12/17/2015 12:00:36 PM



(70) Phenanthrene

17.609min (+0.095) 1284.72ng/ul

response 8123054

Ion	Exp%	Act%
178.00	100	100
179.00	16.10	45.37#
176.00	19.10	52.65#
0.00	0.00	0.00

Quantitation Report (Qedit)

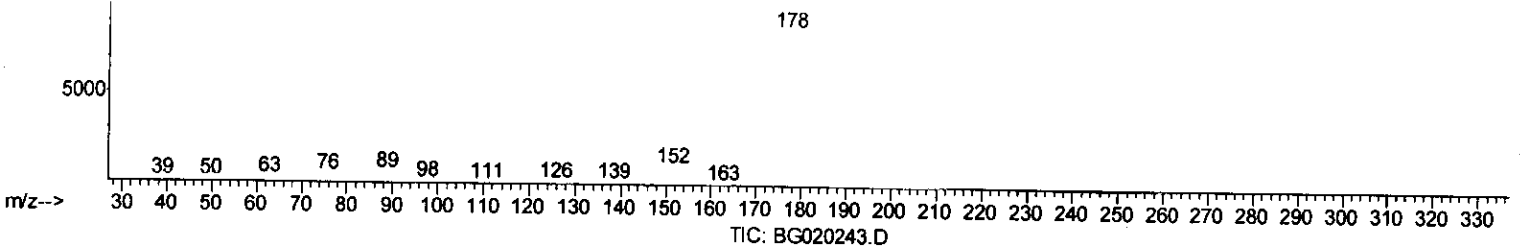
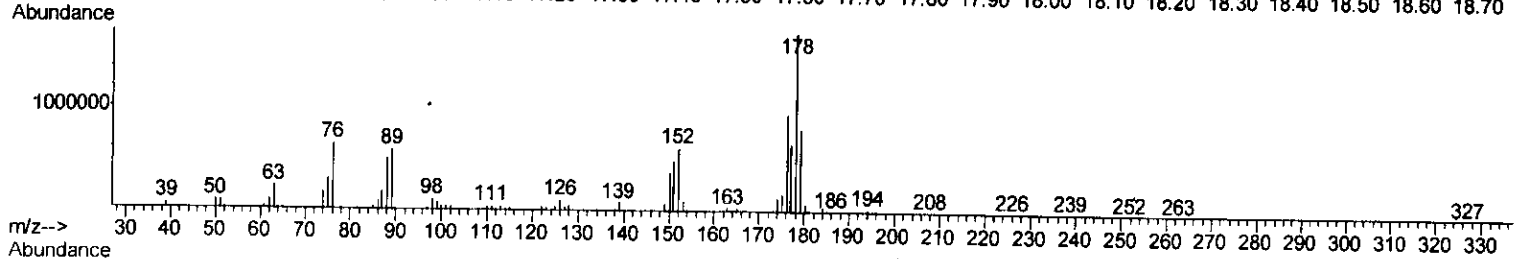
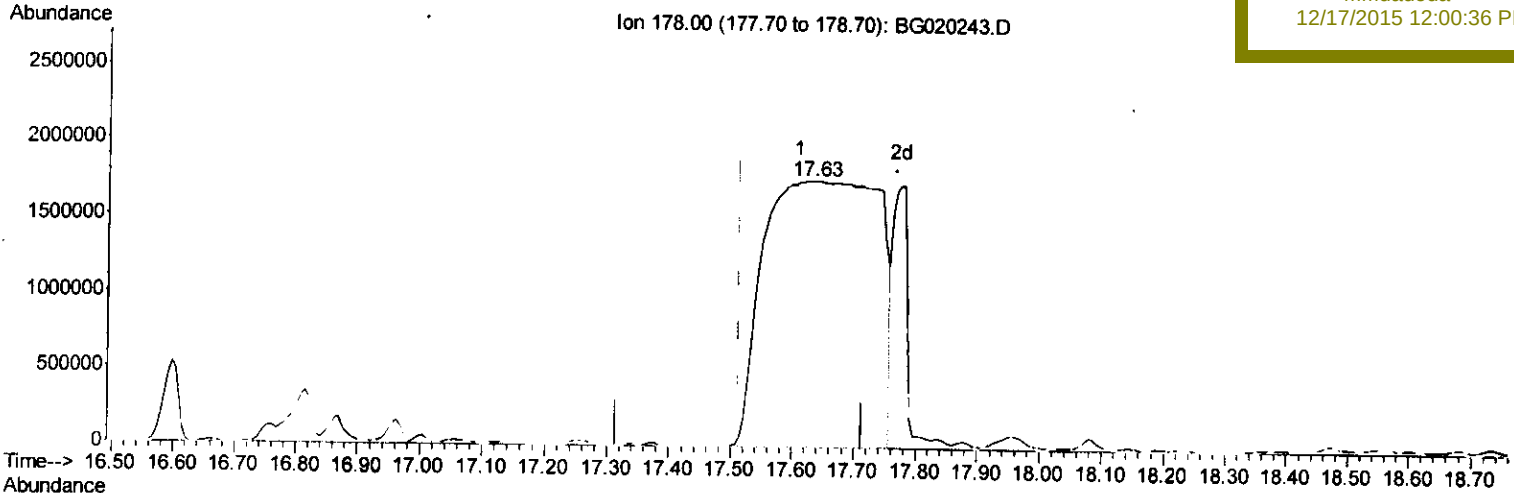
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
 Data File : BG020243.D
 Acq On : 17 Dec 2015 5:24
 Operator : UM/SJ
 Sample : G4767-22
 Misc :
 AHS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 17 07:17:26 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 17 06:39:33 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 D9N44

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 12:00:36 PM



(70) Phenanthrene

17.632min (+0.118) 3560.00ng/ul m

response 22509164

Ion	Exp%	Act%
178.00	100	100
179.00	16.10	46.23#
176.00	19.10	53.92#
0.00	0.00	0.00

U.M
 28/12/15

Quantitation Report (Qedit)

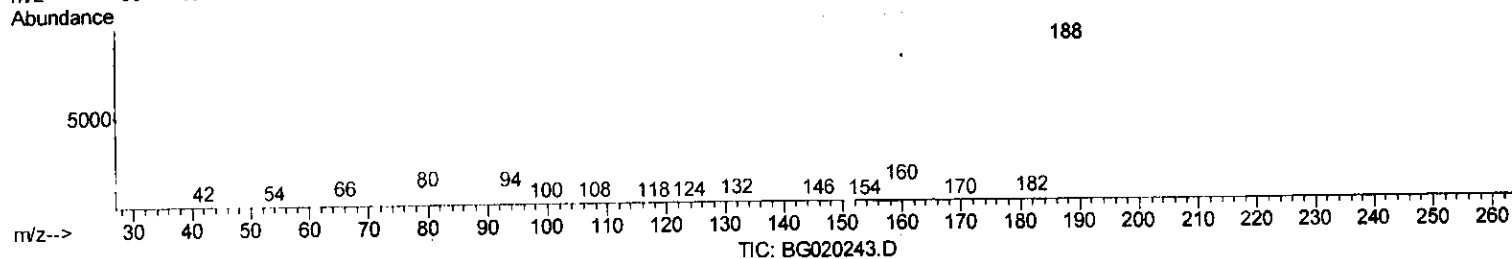
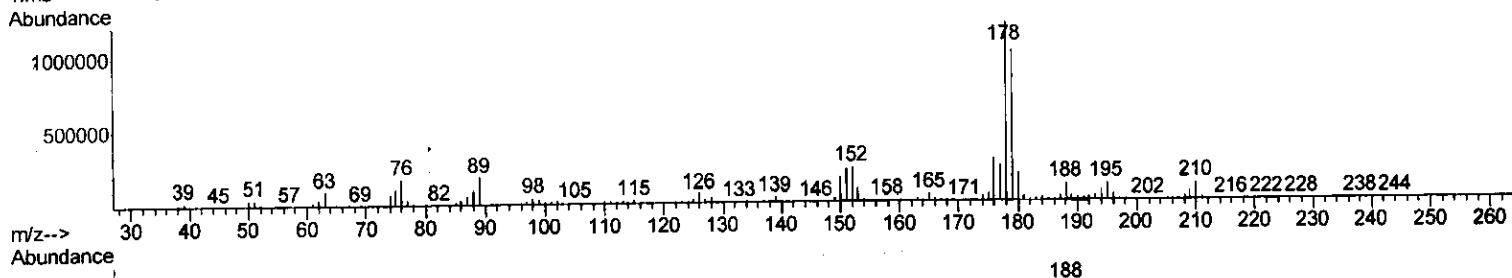
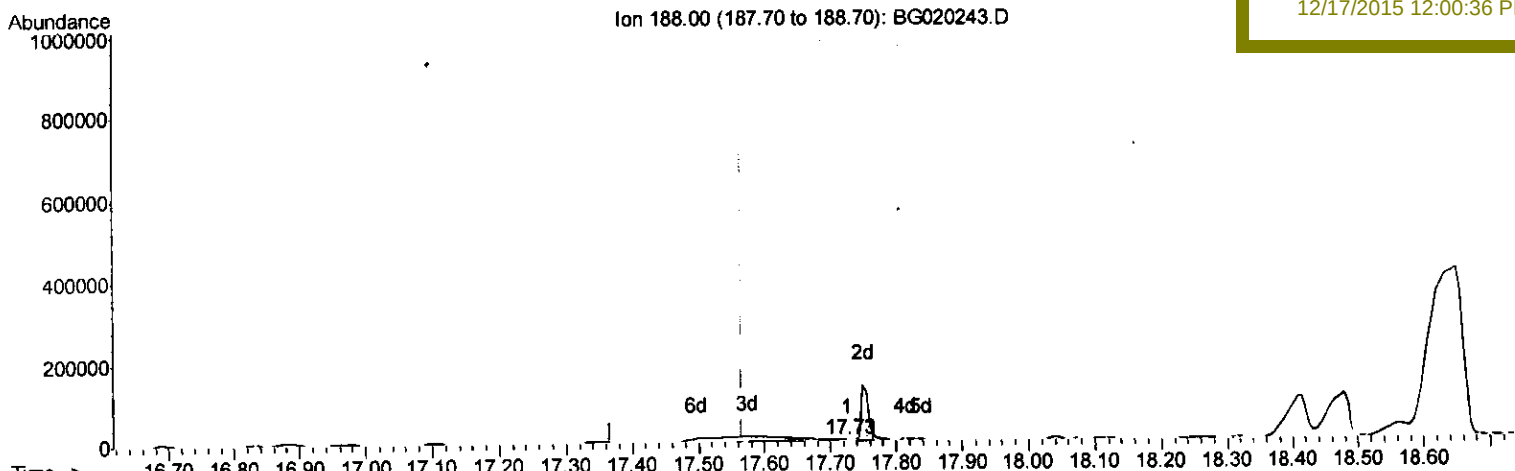
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
 Data File : BG020243.D
 Acq On : 17 Dec 2015 5:24
 Operator : UM/SJ
 Sample : G4767-22
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 17 07:17:26 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 Last Update : Thu Dec 17 06:39:33 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 D9N44

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 12:00:36 PM



(71) Anthracene-d10 (S)

17.726min (+0.159) 0.17ng/ul

response 907

Ion	Exp%	Act%
188.00	100	100
94.00	7.70	77.80#
80.00	7.50	40.90#
0.00	0.00	0.00

Quantitation Report (Qedit)

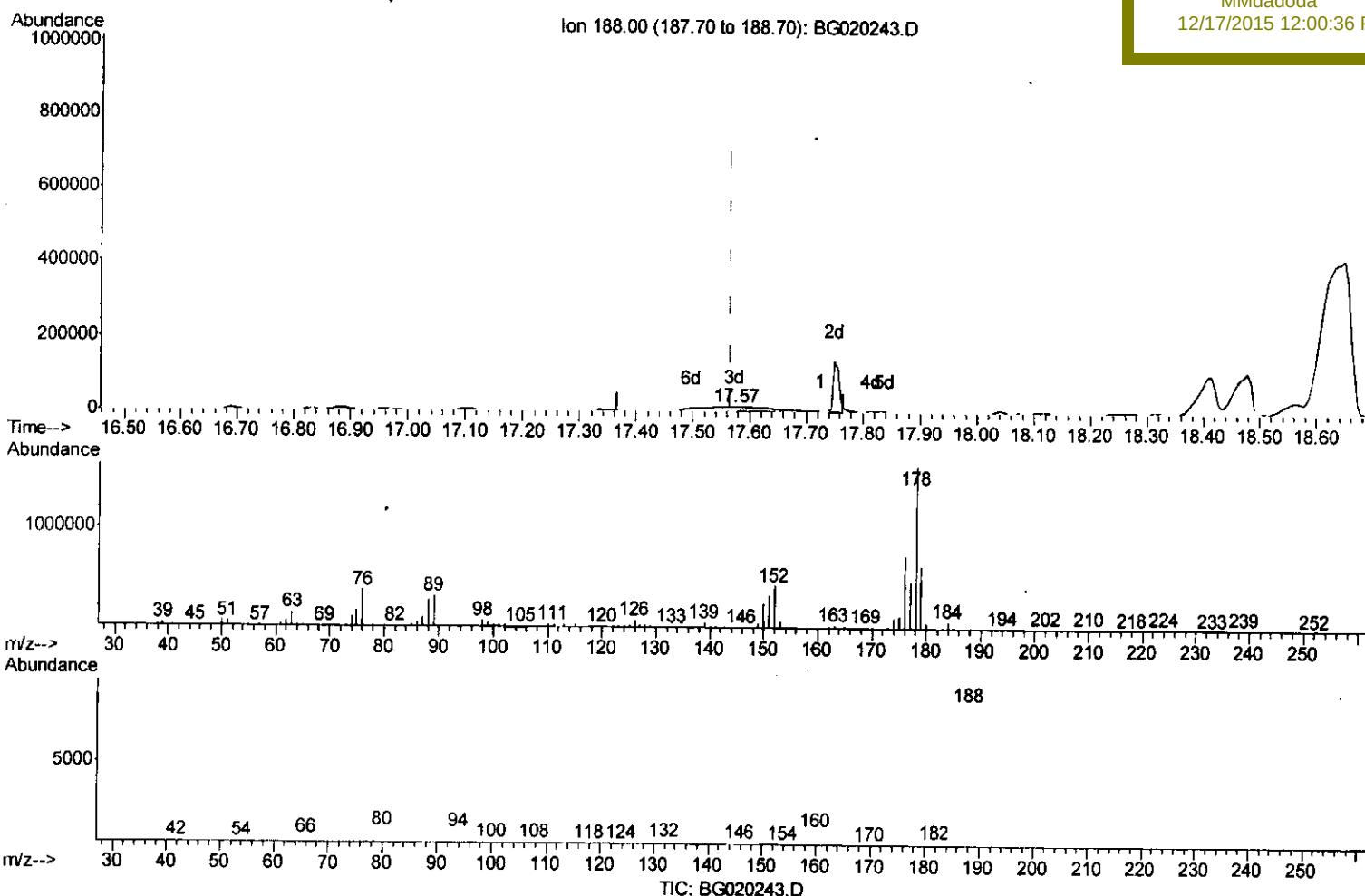
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
 Data File : BG020243.D
 Acq On : 17 Dec 2015 5:24
 Operator : UM/SJ
 Sample : G4767-22
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 12:00:36 PM

Quant Time: Dec 17 07:17:26 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 17 06:39:33 2015
 Response via : Initial Calibration



(71) Anthracene-d10 (S)

17.573min (+0.007) 21.72ng/ul m

response 115673

Ion	Exp%	Act%
188.00	100	100
94.00	7.70	13.50#
80.00	7.50	11.20#
0.00	0.00	0.00

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 28/12/15

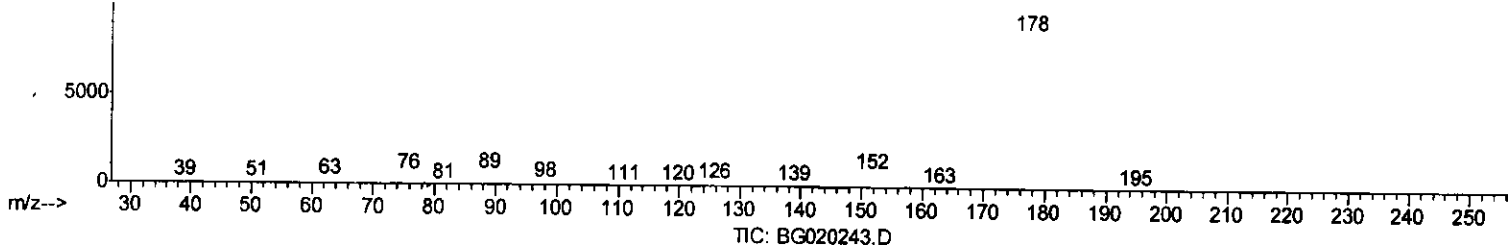
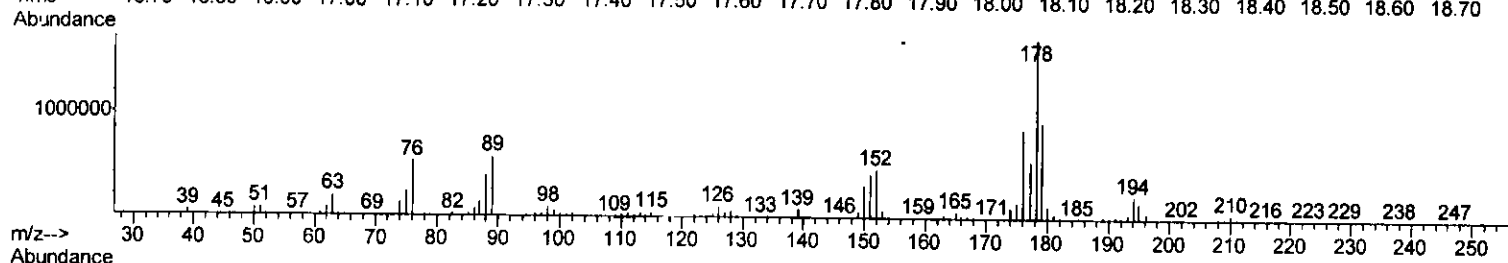
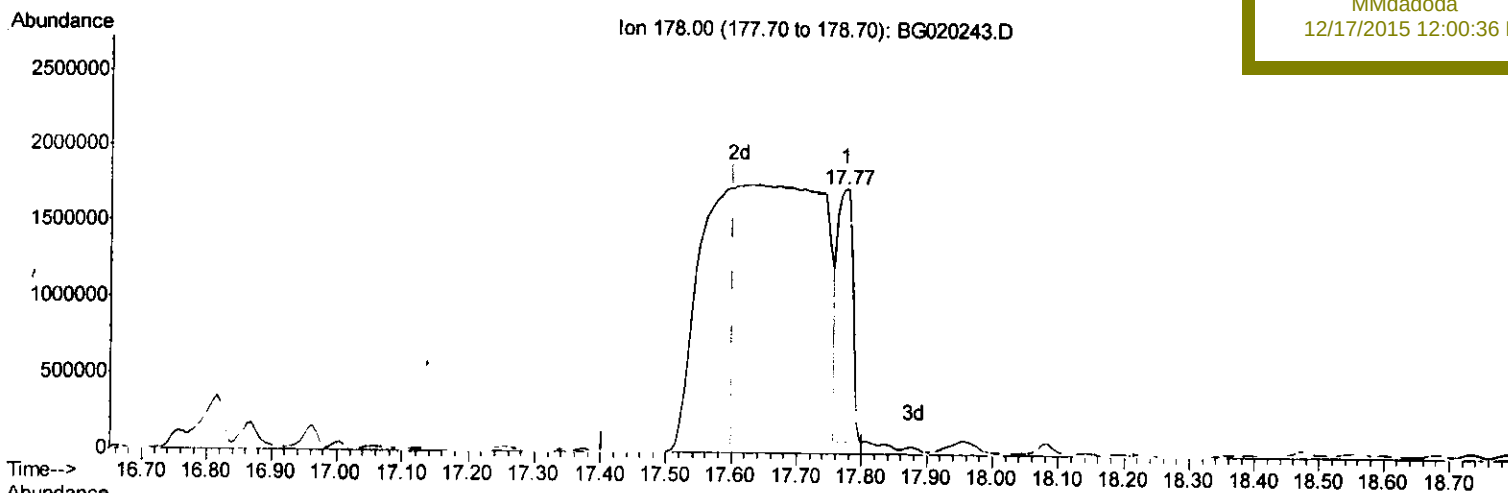
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020243.D
Acq On : 17 Dec 2015 5:24
Operator : UM/SJ
Sample : G4767-22
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 17 07:17:26 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 17 06:39:33 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N44

Manual Integrations
APPROVED

MMdadoda
12/17/2015 12:00:36 PM



(72) Anthracene

17.773min (+0.171) 419.48ng/ul

response 2690118

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	53.26#
176.00	17.90	49.66#
0.00	0.00	0.00

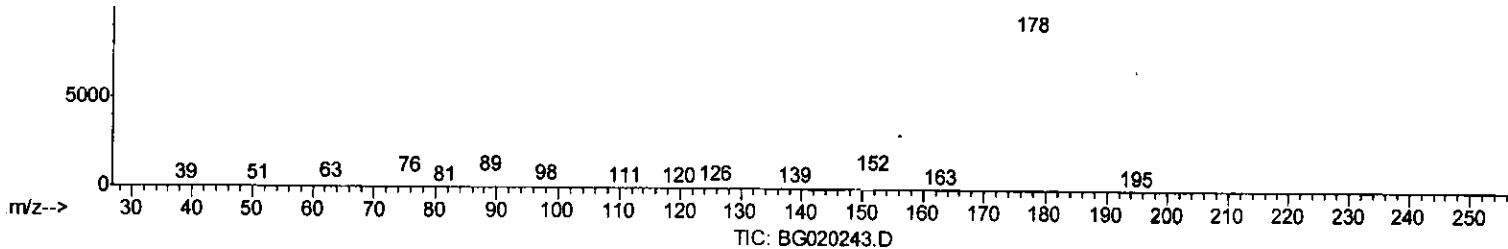
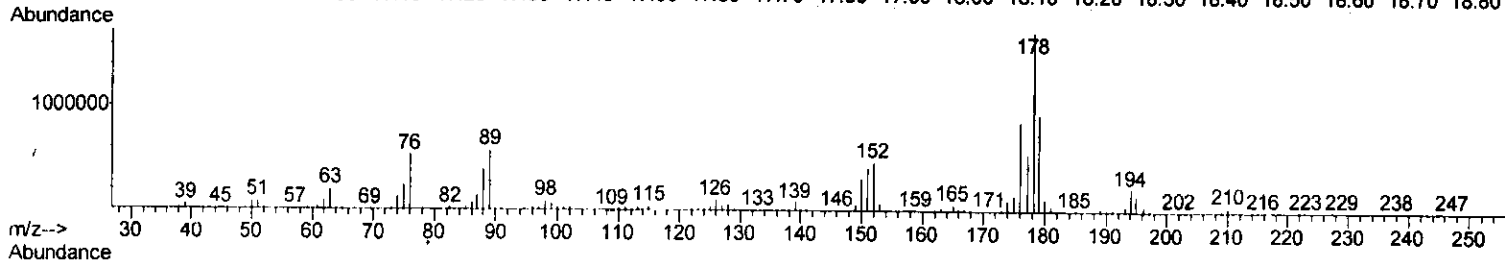
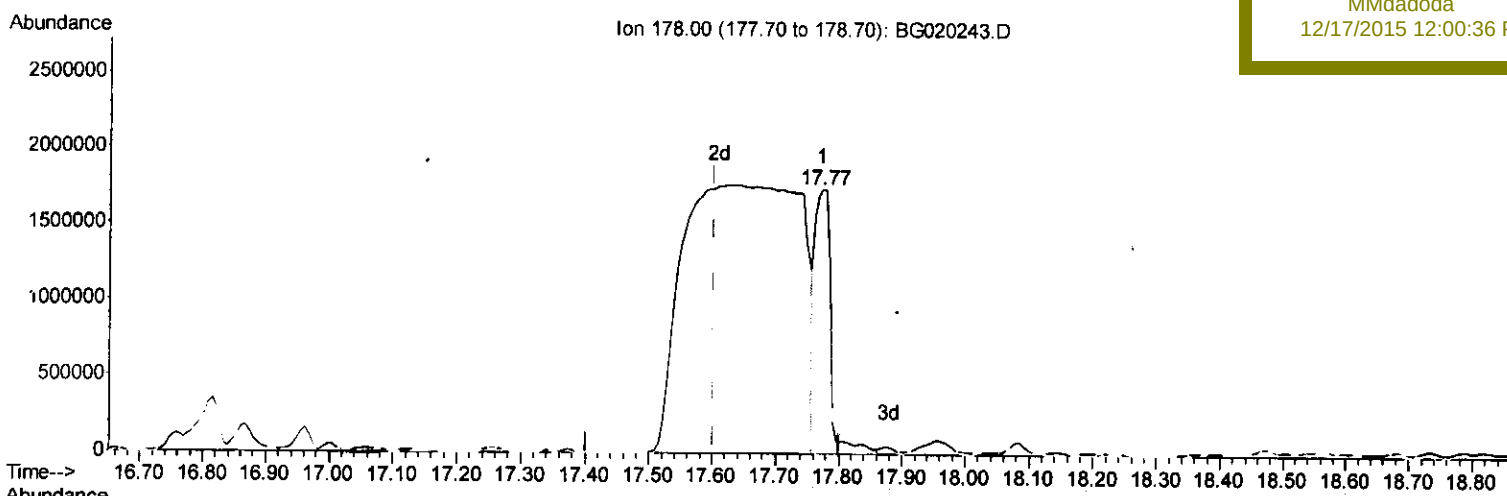
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020243.D
Acq On : 17 Dec 2015 5:24
Operator : UM/SJ
Sample : G4767-22
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 17 07:17:26 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 17 06:39:33 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N44

Manual Integrations
APPROVED

MMdadoda
12/17/2015 12:00:36 PM



(72) Anthracene

17.773min (+0.171) 487.52ng/ul m

response 3126475

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	53.26#
176.00	17.90	49.66#
0.00	0.00	0.00

70.1M
28/12/15

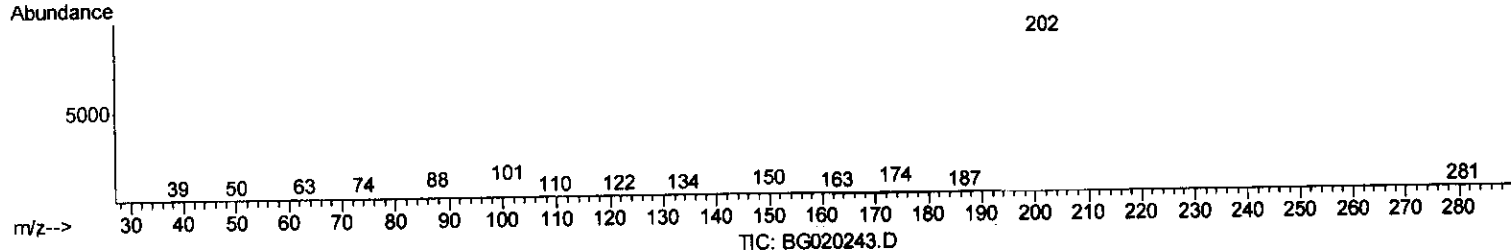
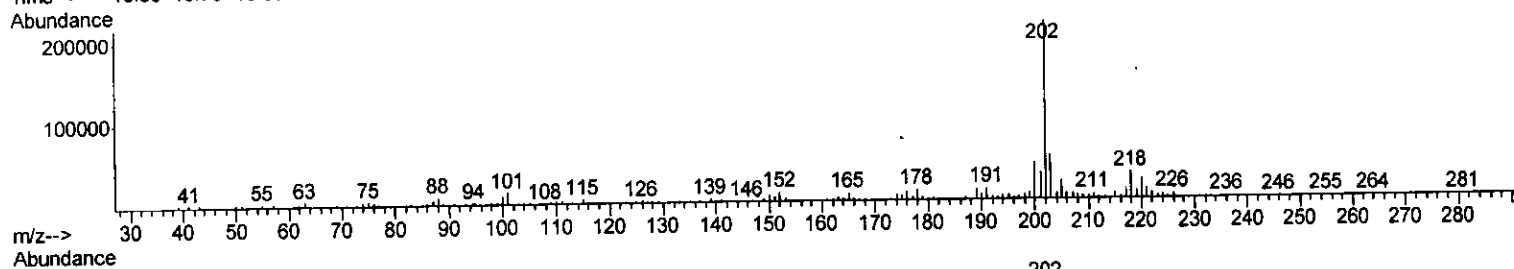
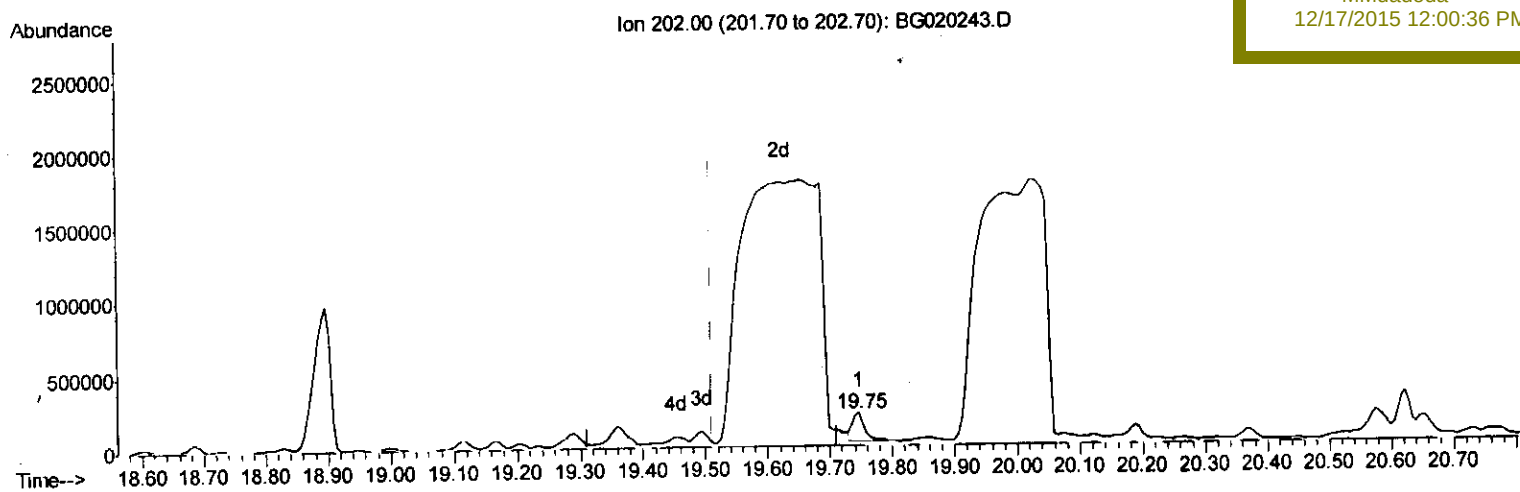
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020243.D
Acq On : 17 Dec 2015 5:24
Operator : UM/SJ
Sample : G4767-22
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 17 07:17:26 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
Qlast Update : Thu Dec 17 06:39:33 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N44

Manual Integrations
APPROVED

MMdadoda
12/17/2015 12:00:36 PM



(77) Fluoranthene (C)

19.747min (+0.236) 33.48ng/ul

response 247417

Ion	Exp%	Act%
202.00	100	100
101.00	7.80	6.84
100.00	6.40	5.15
0.00	0.00	0.00

Quantitation Report (Qedit)

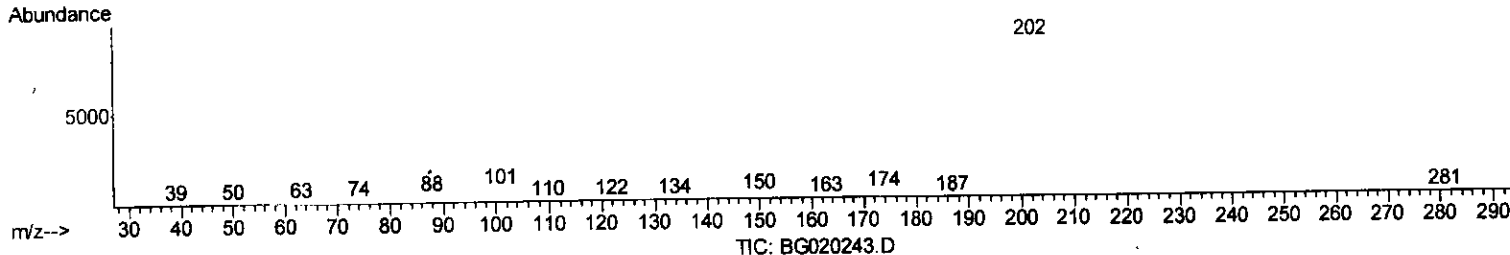
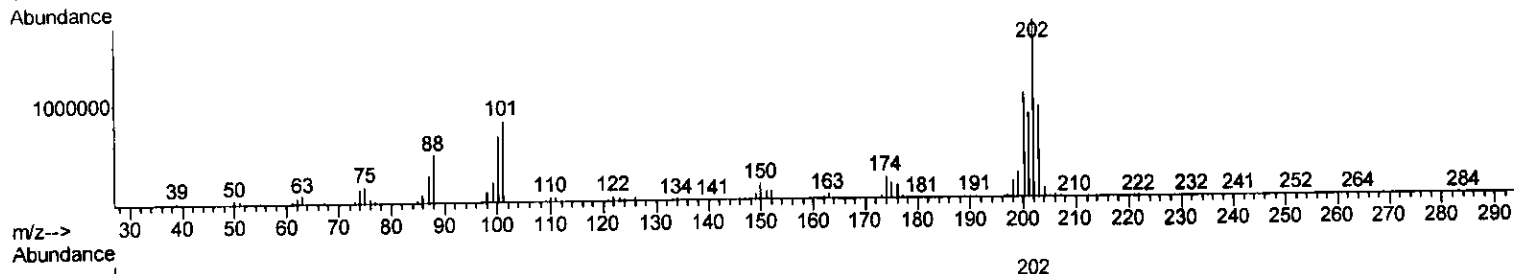
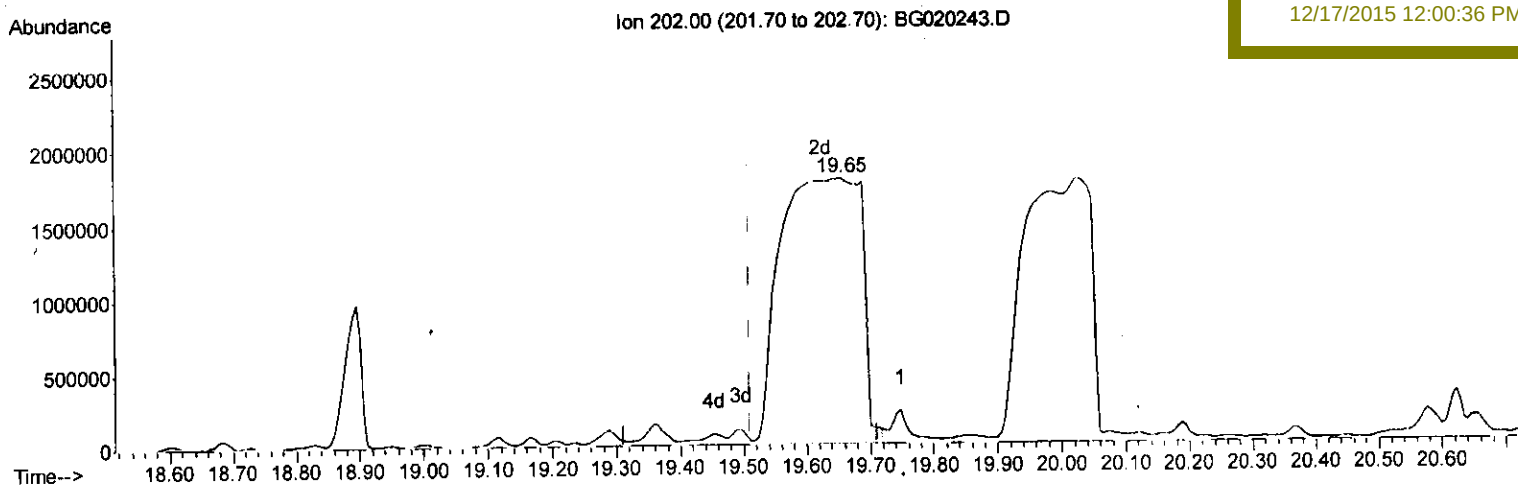
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
 Data File : BG020243.D
 Acq On : 17 Dec 2015 5:24
 Operator : UM/SJ
 Sample : G4767-22
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 17 07:17:26 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 17 06:39:33 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 D9N44

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 12:00:36 PM



(77) Fluoranthene (C)

19.653min (+0.142) 2122.25ng/ul m

response 15682450

Ion	Exp%	Act%
202.00	100	100
101.00	7.80	46.25#
100.00	6.40	37.99#
0.00	0.00	0.00

> U.M
 28/12/15

Quantitation Report (Qedit)

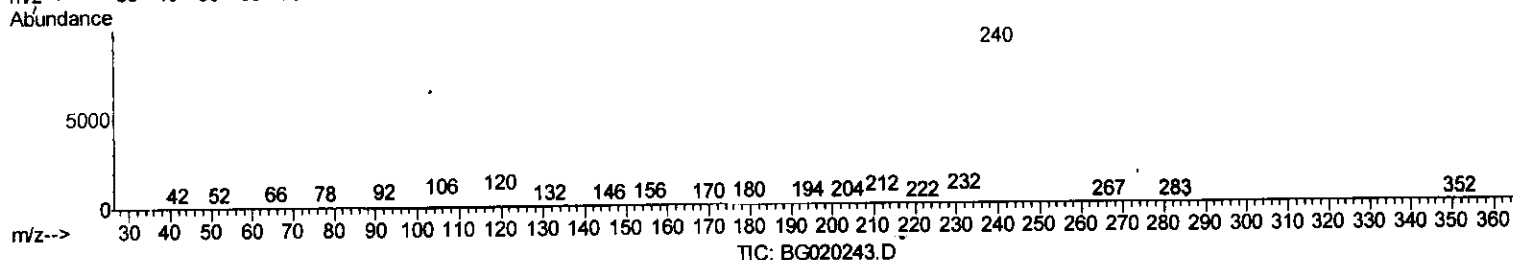
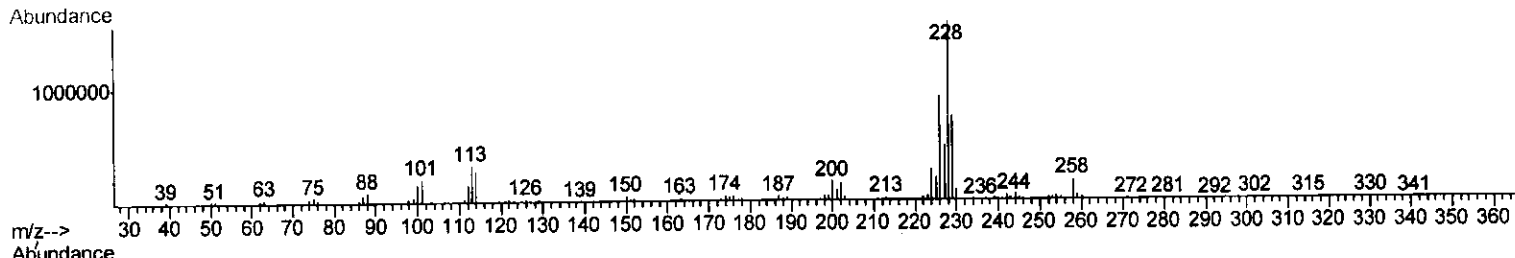
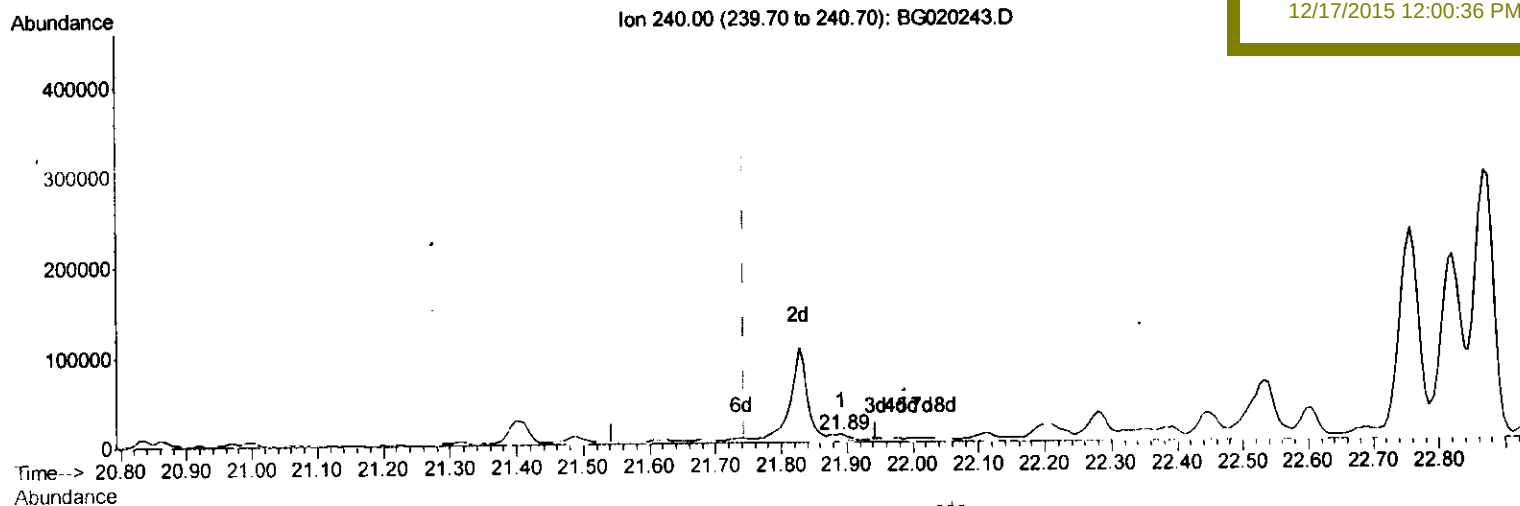
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020243.D
Acq On : 17 Dec 2015 5:24
Operator : UM/SJ
Sample : G4767-22
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 17 07:17:26 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 17 06:39:33 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N44

Manual Integrations
APPROVED

MMdadoda
12/17/2015 12:00:36 PM



(78) Chrysene-d12 (I)

21.892min (+0.148) 20.00ng/ul

response 12942

Ion	Exp%	Act%
240.00	100	100
120.00	6.90	0.00#
236.00	26.40	32.14#
0.00	0.00	0.00

Quantitation Report (Qedit)

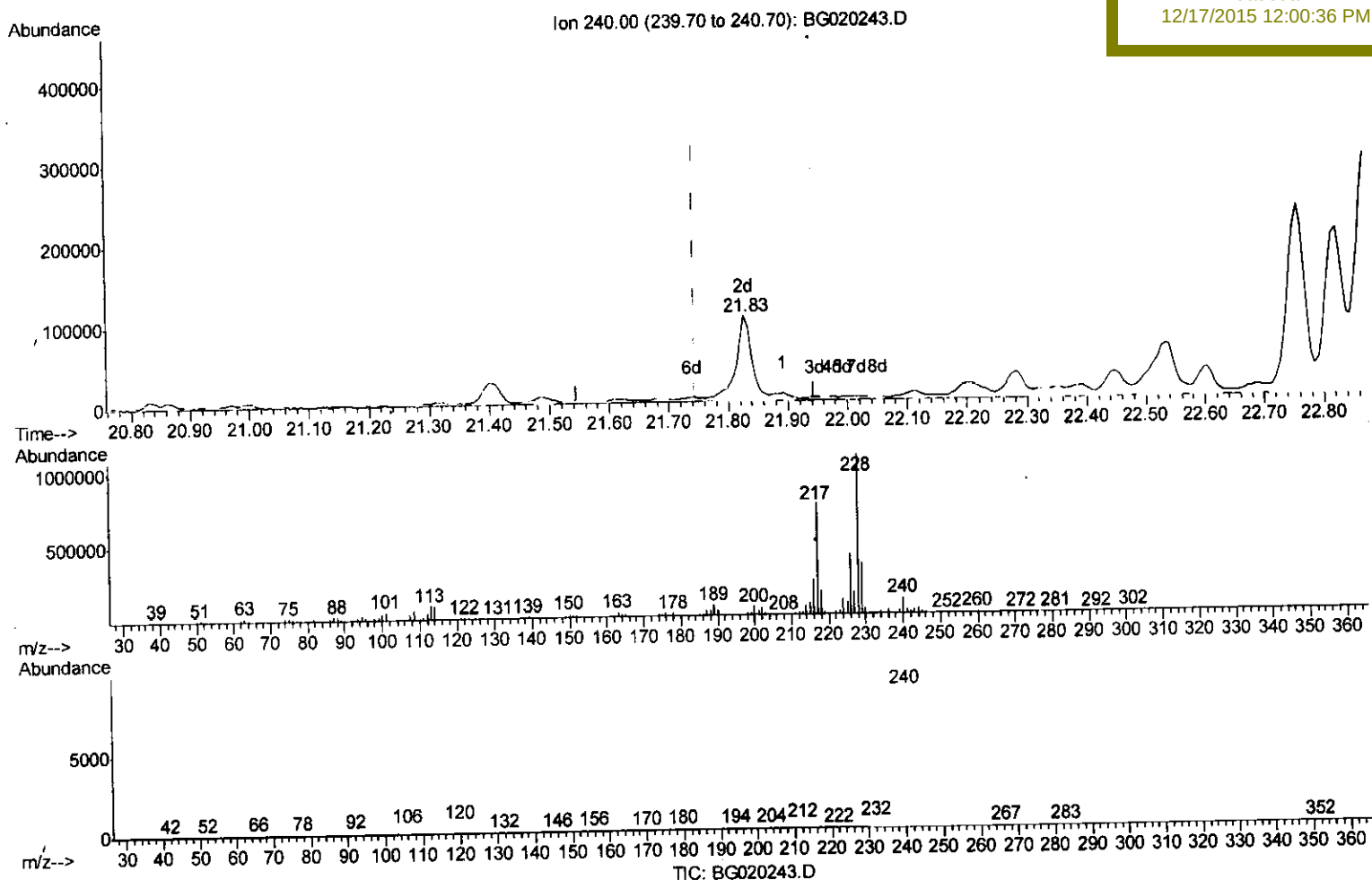
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
 Data File : BG020243.D
 Acq On : 17 Dec 2015 5:24
 Operator : UM/SJ
 Sample : G4767-22
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 17 07:17:26 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVQA CALIBRATION
 QLast Update : Thu Dec 17 06:39:33 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 Client Sampled :
 D9N44

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 12:00:36 PM



(78) Chrysene-d12 (I)

21.827min (+0.083) 20.00ng/ul m

response 200035

Ion	Exp%	Act%
240.00	100	100
120.00	6.90	8.58#
236.00	26.40	28.08
0.00	0.00	0.00

U.M
29/12/15

Quantitation Report (Qedit)

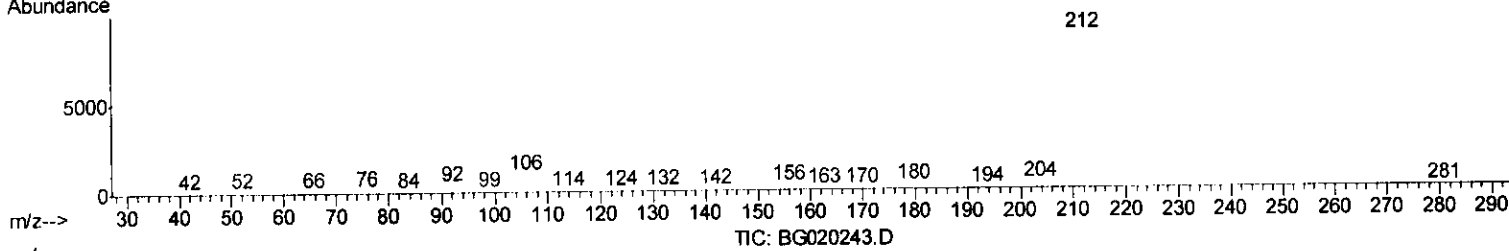
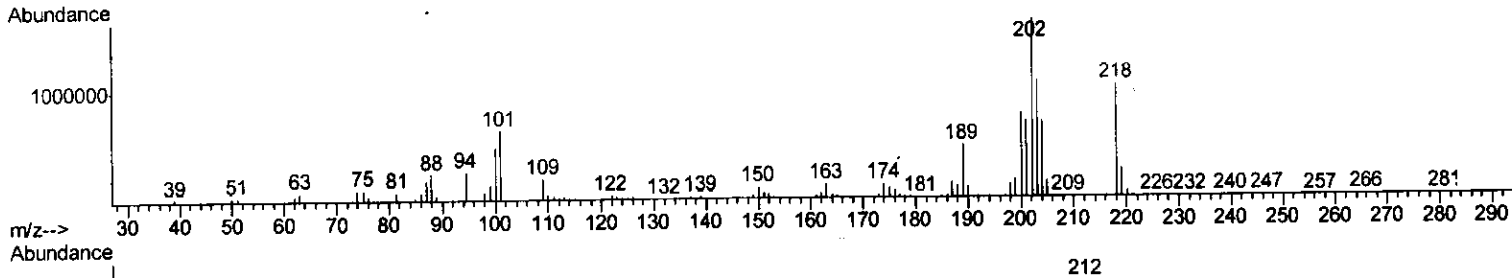
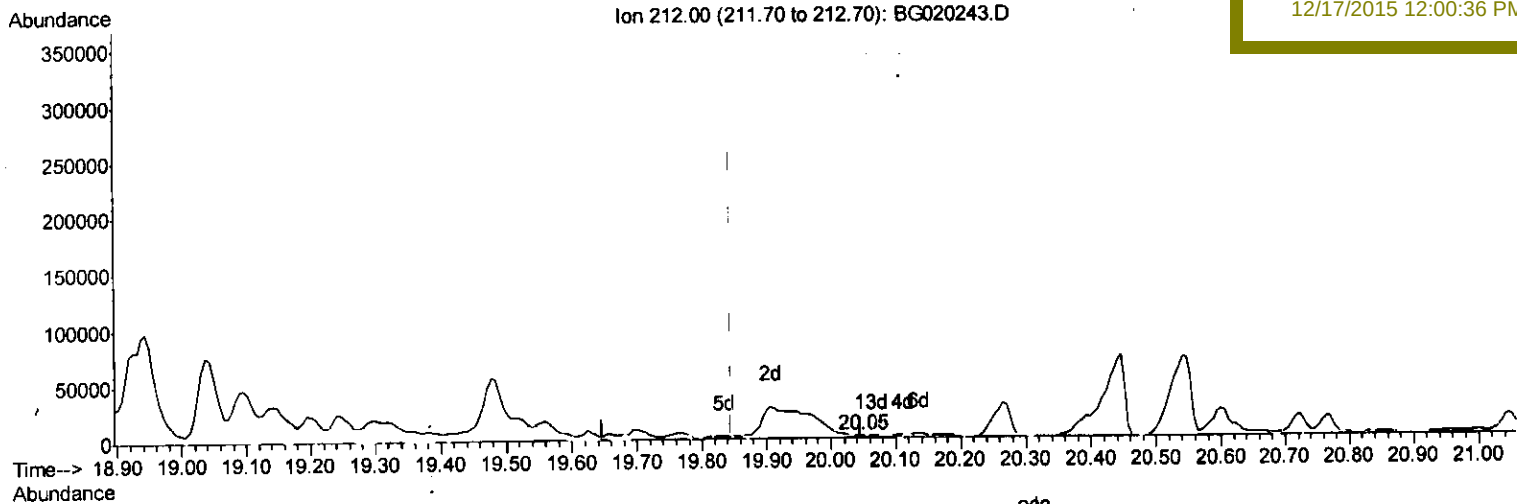
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
 Data File : BG020243.D
 Acq On : 17 Dec 2015 5:24
 Operator : UM/SJ
 Sample : G4767-22
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 17 07:17:26 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 17 06:39:33 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 D9N44

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 12:00:36 PM



(79) Pyrene-d10 (S)

20.047min (+0.200) 0.06ng/ul

response 577

Ion	Exp%	Act%
212.00	100	100
106.00	10.50	301.85#
104.00	6.80	66.40#
0.00	0.00	0.00

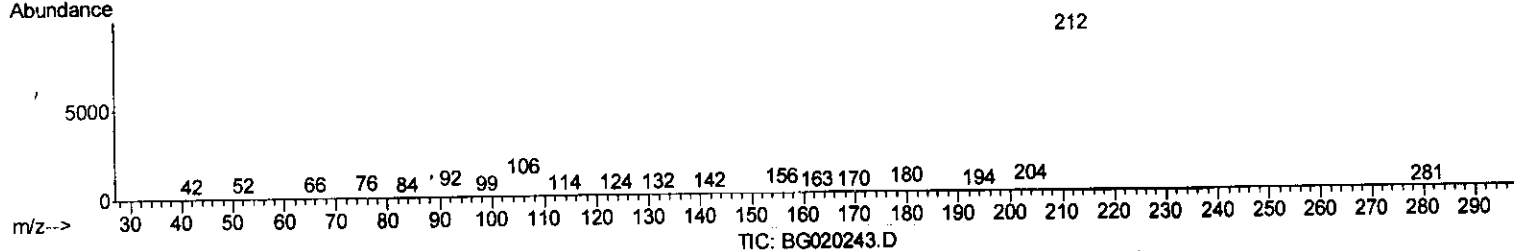
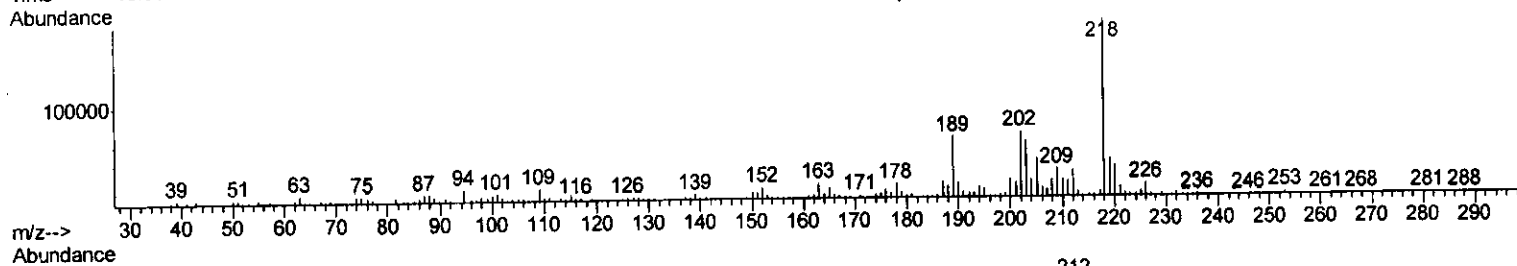
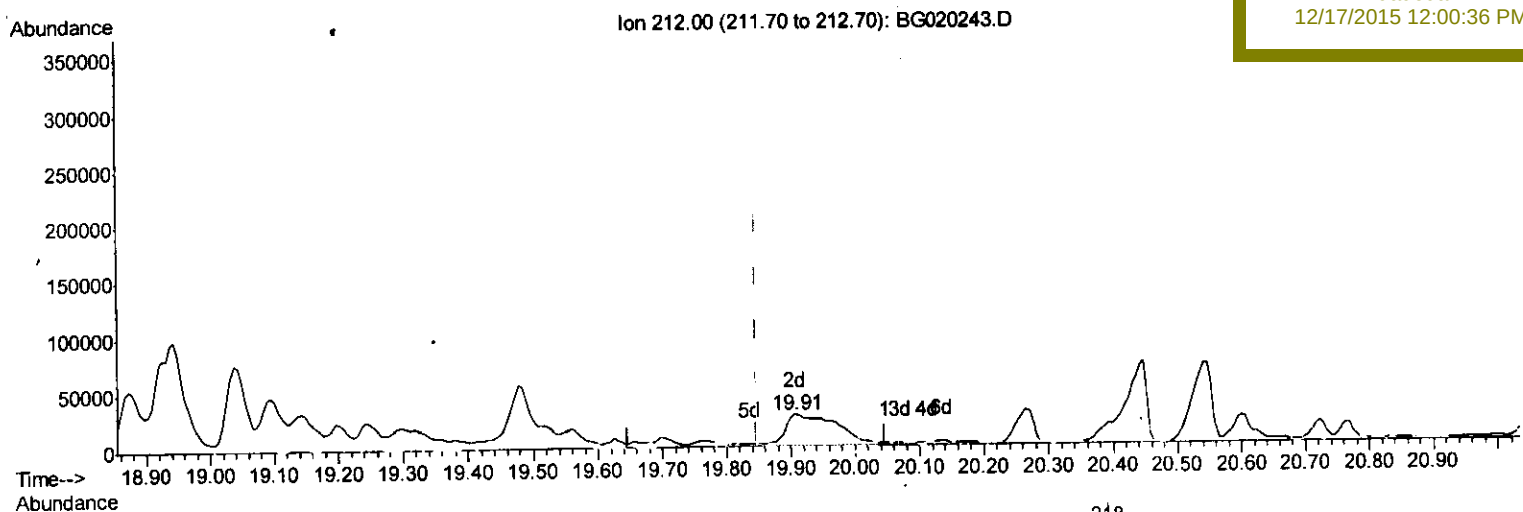
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020243.D
Acq On : 17 Dec 2015 5:24
Operator : UM/SJ
Sample : G4767-22
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 17 07:17:26 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 17 06:39:33 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N44

Manual Integrations
APPROVED

MMdadoda
12/17/2015 12:00:36 PM



(79) Pyrene-d10 (S)

19.906min (+0.059) 16.69ng/ul m

response 155624

Ion	Exp%	Act%
212.00	100	100
106.00	10.50	10.27
104.00	6.80	10.00#
0.00	0.00	0.00

S U.M
28/12/15

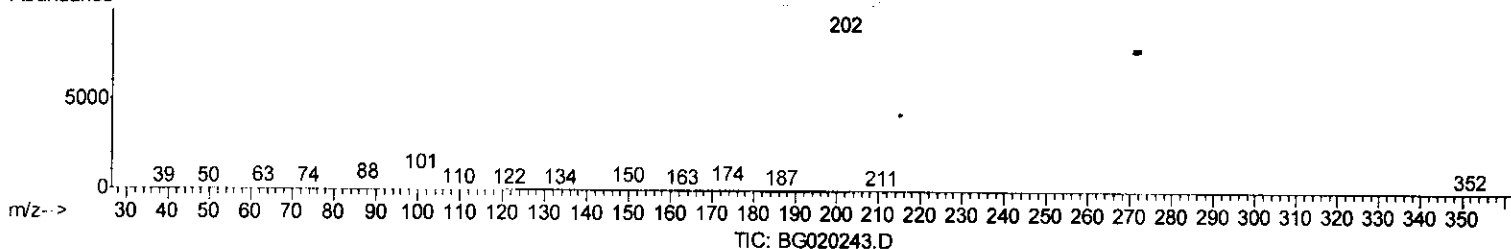
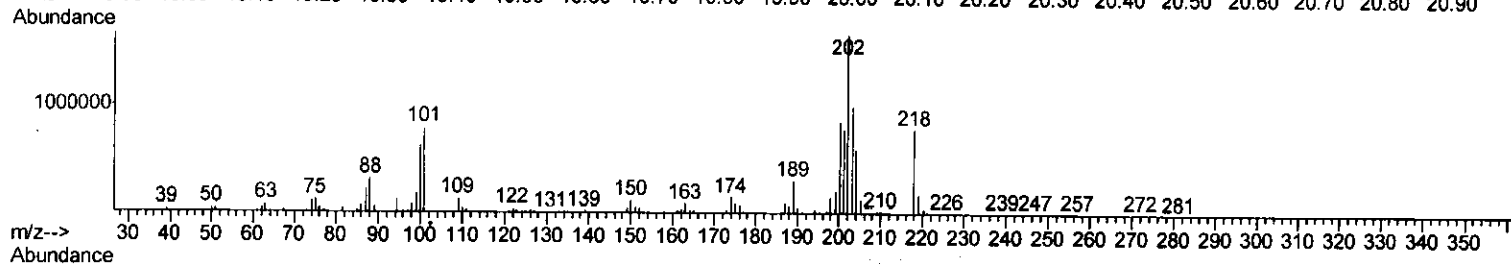
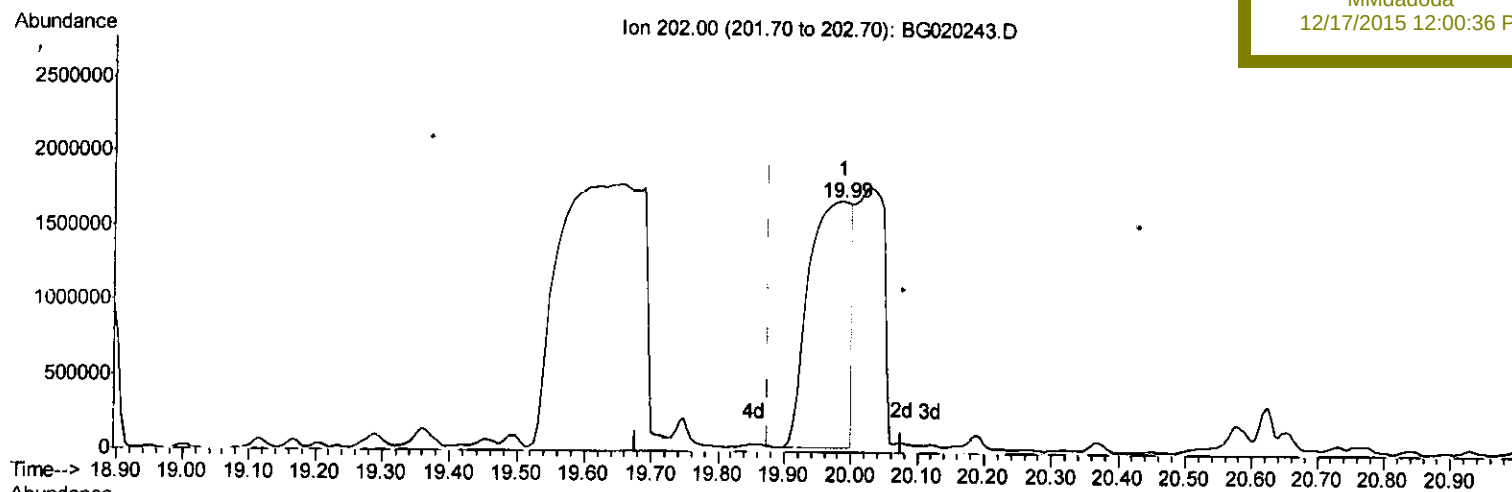
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020243.D
Acq On : 17 Dec 2015 5:24
Operator : UM/SJ
Sample : G4767-22
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 17 07:17:26 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 17 06:39:33 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N44

Manual Integrations
APPROVED

MMdadoda
12/17/2015 12:00:36 PM



(80) Pyrene

19.988min (+0.112) 607.32ng/ul

response 7352732

Ion	Exp%	Act%
202.00	100	100
101.00	8.70	47.39#
100.00	8.00	38.02#
0.00	0.00	0.00

Quantitation Report (Qedit)

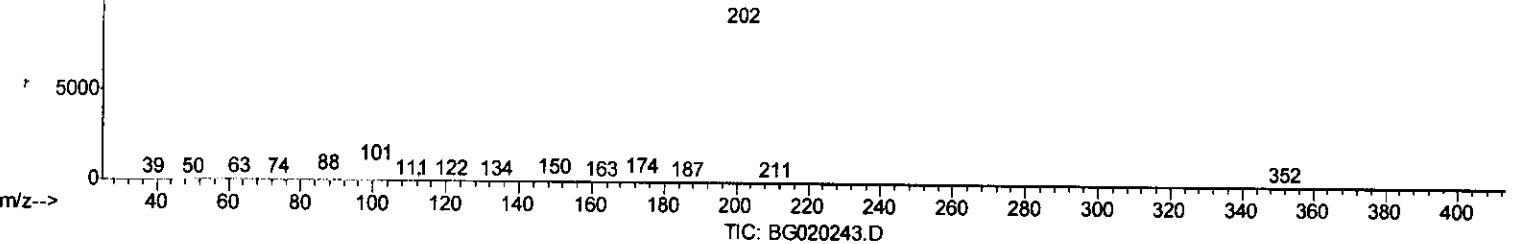
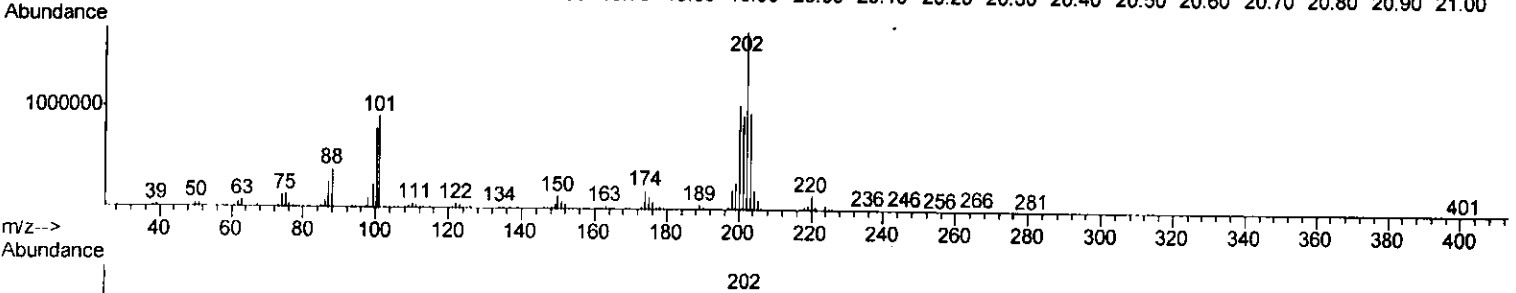
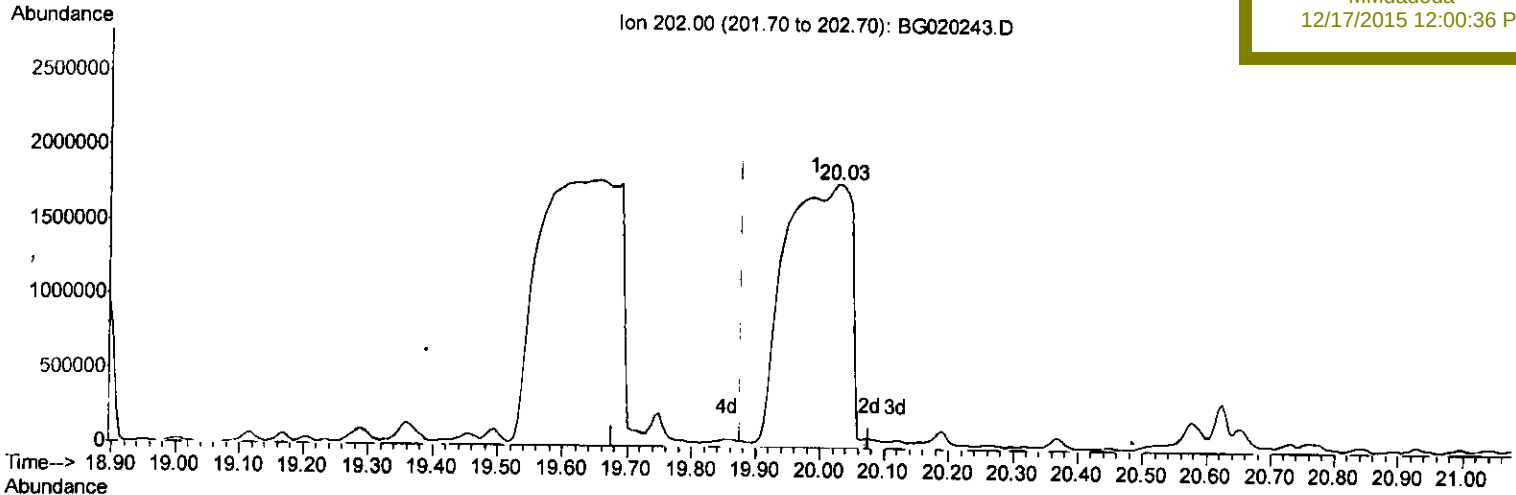
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
 Data File : BG020243.D
 Acq On : 17 Dec 2015 5:24
 Operator : UM/SJ
 Sample : G4767-22
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 17 07:17:26 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 17 06:39:33 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 D9N44

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 12:00:36 PM



(80) Pyrene

20.029min (+0.153) 1048.30ng/ul m

response 12691603

Ion	Exp%	Act%
202.00	100	100
101.00	8.70	51.09#
100.00	8.00	44.35#
0.00	0.00	0.00

Handwritten: > U.M
 28/12/15

Quantitation Report (Qedit)

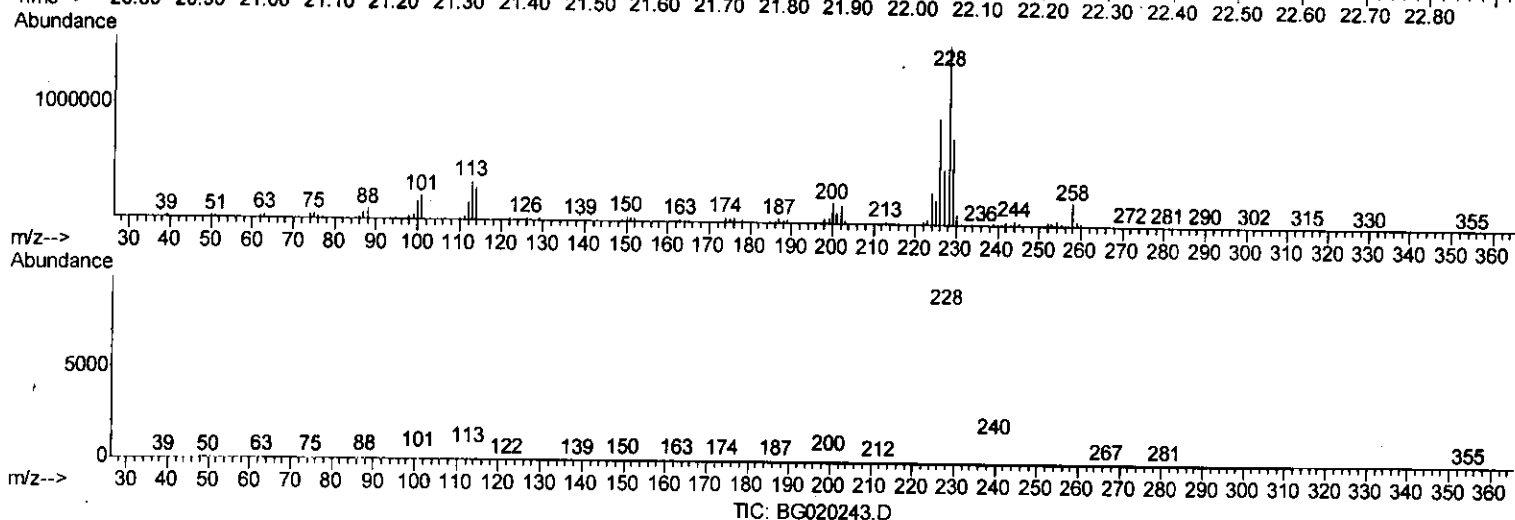
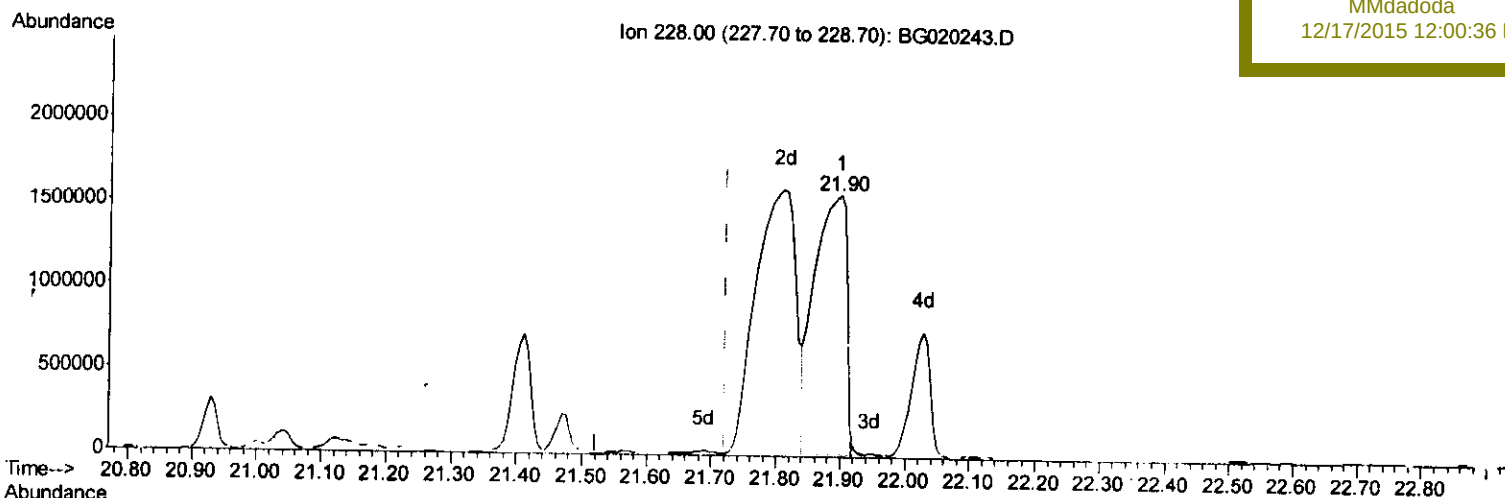
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
 Data File : BG020243.D
 Acq On : 17 Dec 2015 5:24
 Operator : UM/SJ
 Sample : G4767-22
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 17 07:17:26 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 17 06:39:33 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 D9N44

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 12:00:36 PM



(83) Benzo(a)anthracene

21.898min (+0.177) 465.44ng/ul

response 5432521

Ion	Exp%	Act%
228.00	100	100
229.00	19.80	47.94#
226.00	27.20	58.95#
0.00	0.00	0.00

Quantitation Report (Qedit)

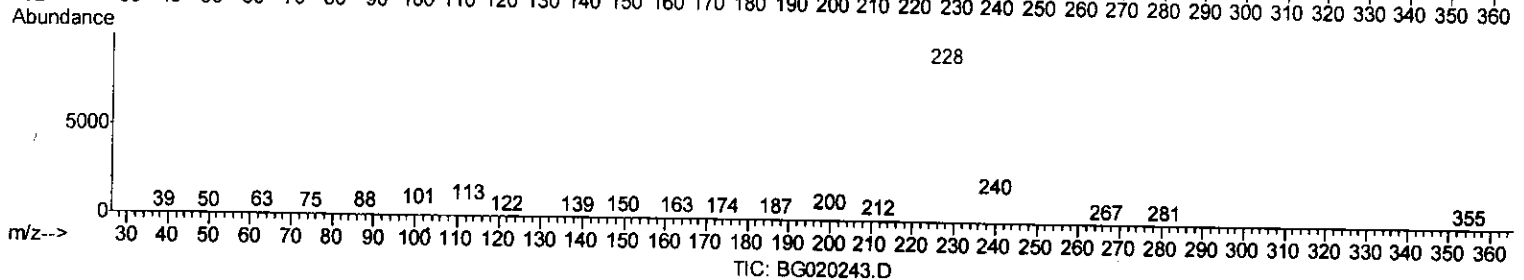
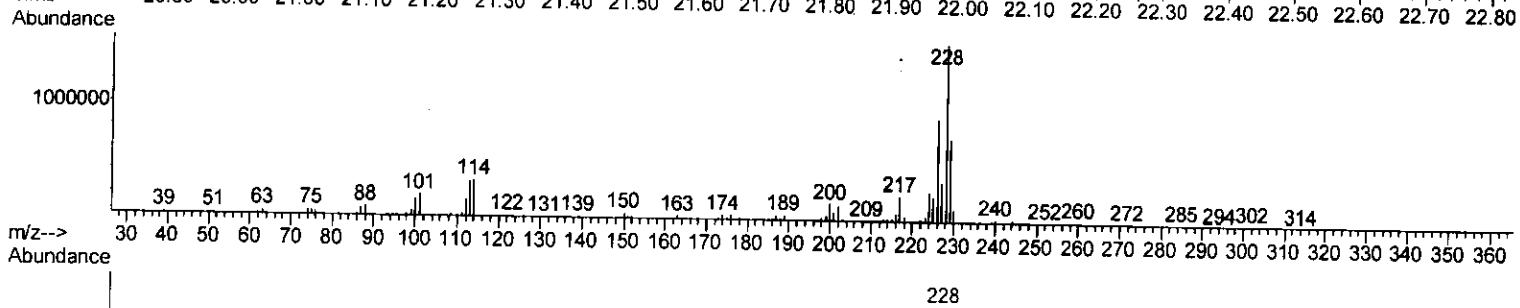
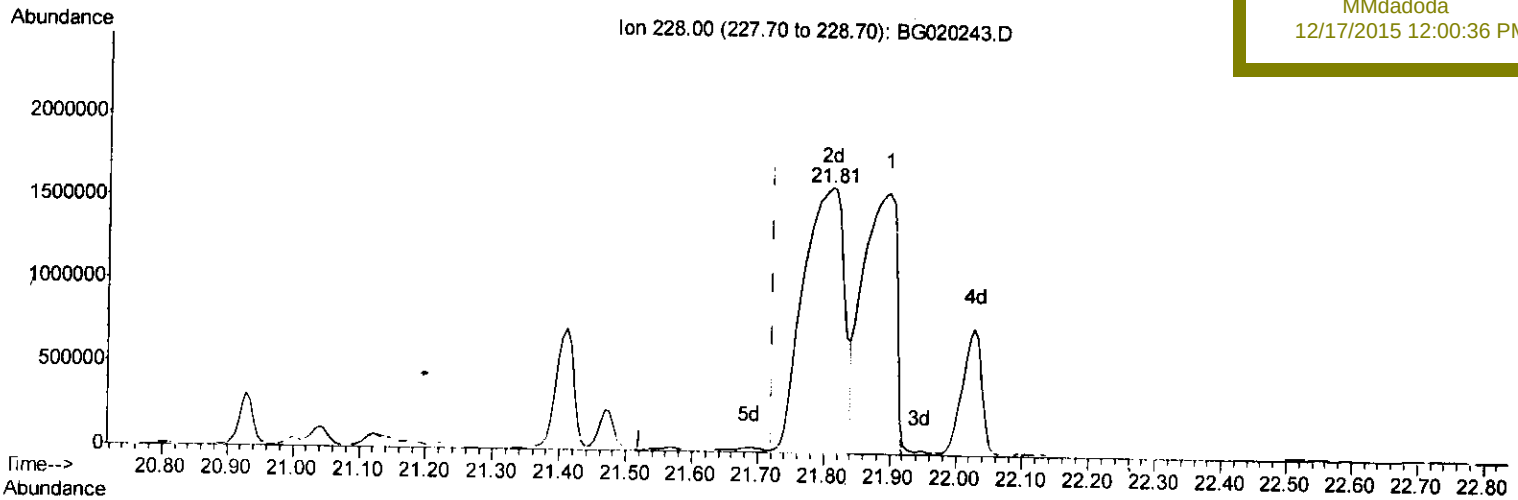
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
 Data File : BG020243.D
 Acq On : 17 Dec 2015 5:24
 Operator : UM/SJ
 Sample : G4767-22
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 17 07:17:26 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 17 06:39:33 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampled :
 D9N44

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 12:00:36 PM



(83) Benzo(a)anthracene

21.810min (+0.089) 592.42ng/ul m

response 6914630

SUM
28/12/15

Ion	Exp%	Act%
228.00	100	100
229.00	19.80	45.89#
226.00	27.20	56.88#
0.00	0.00	0.00

Quantitation Report (Qedit)

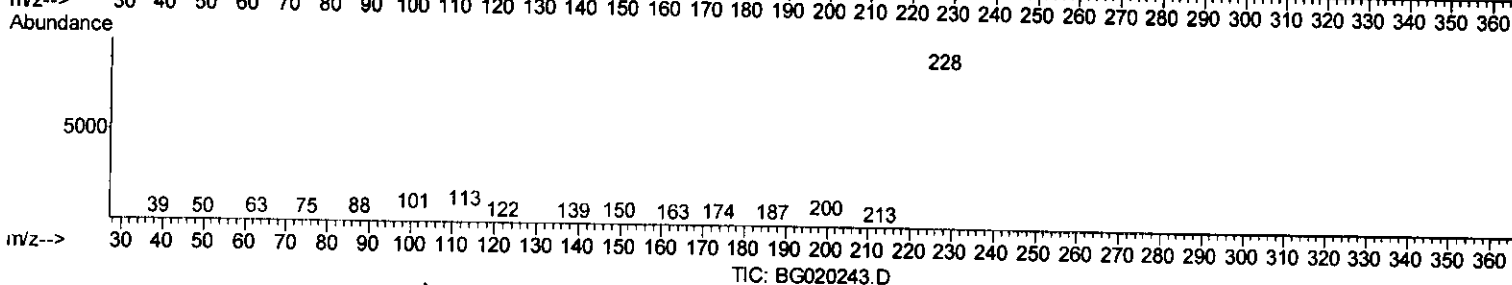
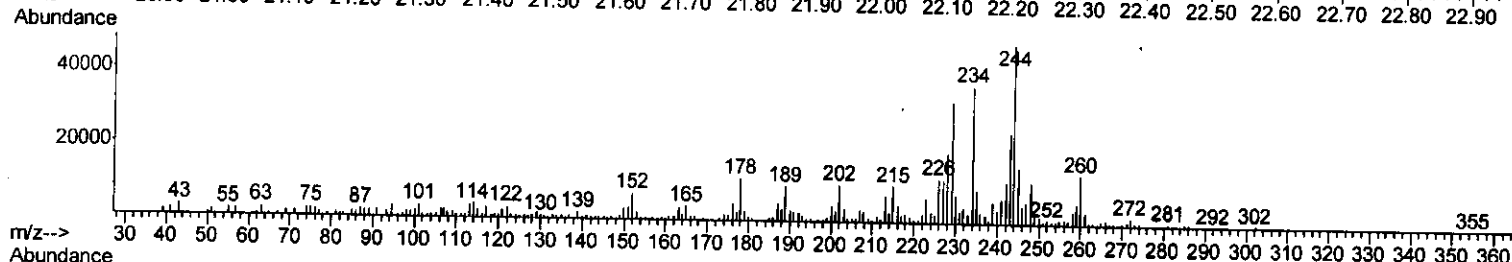
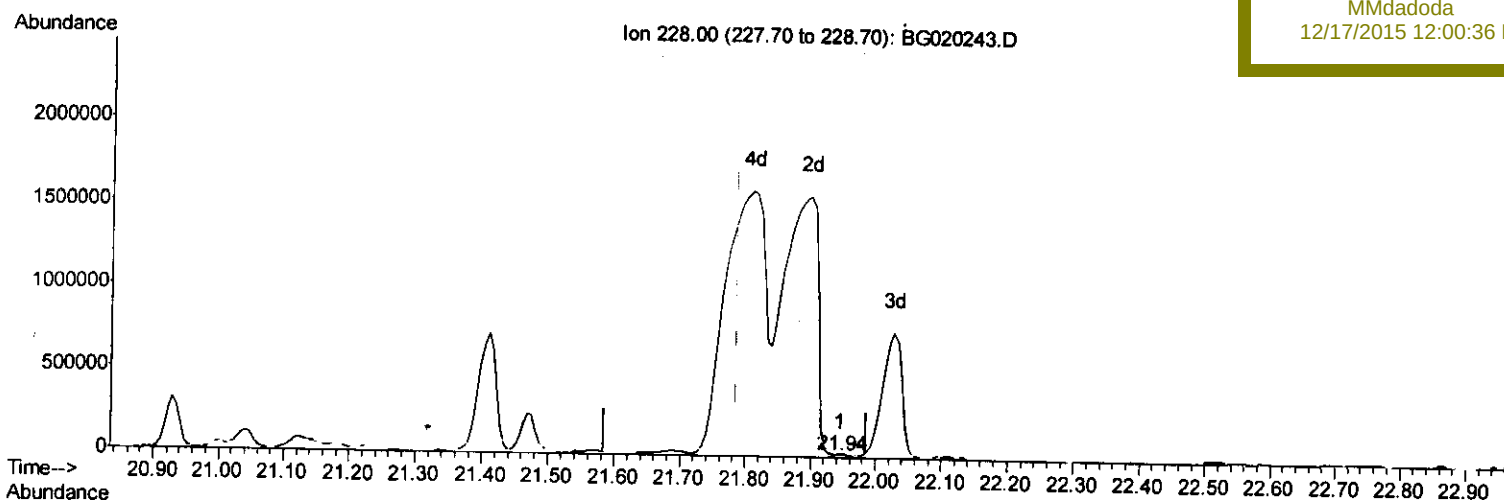
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
 Data File : BG020243.D
 Acq On : 17 Dec 2015 5:24
 Operator : UM/SJ
 Sample : G4767-22
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 17 07:17:26 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 17 06:39:33 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 D9N44

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 12:00:36 PM



(85) Chrysene

21.945min (+0.159) 0.79ng/ul

response 8670

Ion	Exp%	Act%
228.00	100	100
226.00	29.90	64.71#
229.00	19.50	174.03#
0.00	0.00	0.00

Quantitation Report (Qedit)

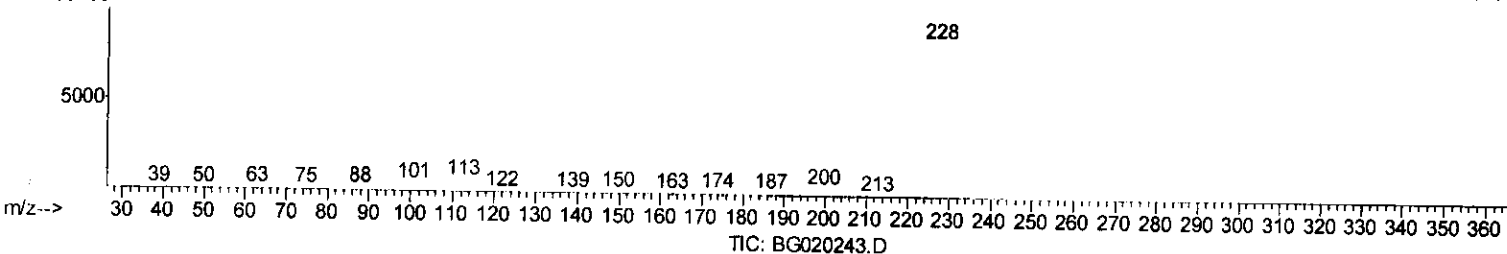
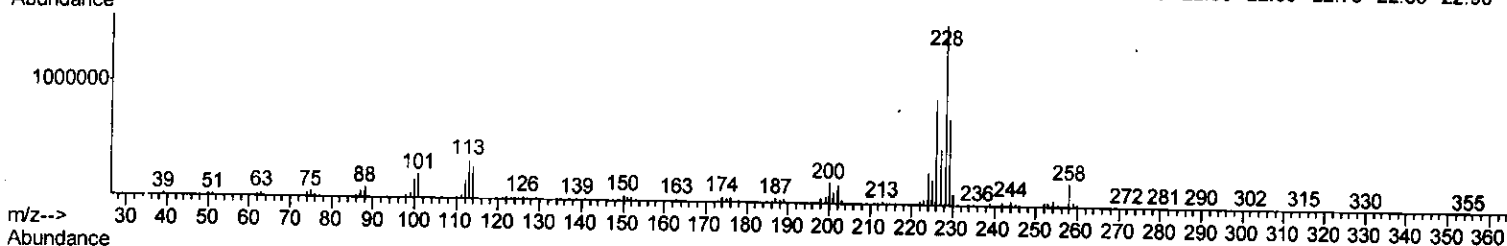
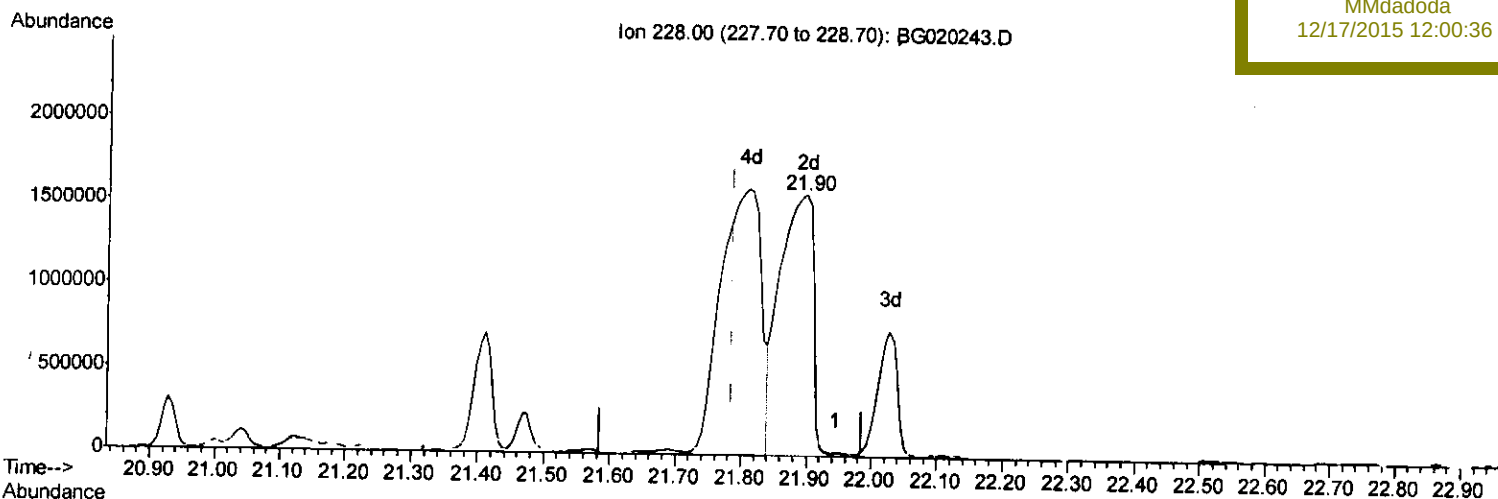
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
 Data File : BG020243.D
 Acq On : 17 Dec 2015 5:24
 Operator : UM/SJ
 Sample : G4767-22
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 17 07:17:26 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 17 06:39:33 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 D9N44

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 12:00:36 PM



(85) Chrysene

21.898min (+0.112) 507.00ng/ul m

response 5573300

7 U.M
28/12/15

Ion	Exp%	Act%
228.00	100	100
226.00	29.90	58.95#
229.00	19.50	47.94#
0.00	0.00	0.00

Quantitation Report (Qedit)

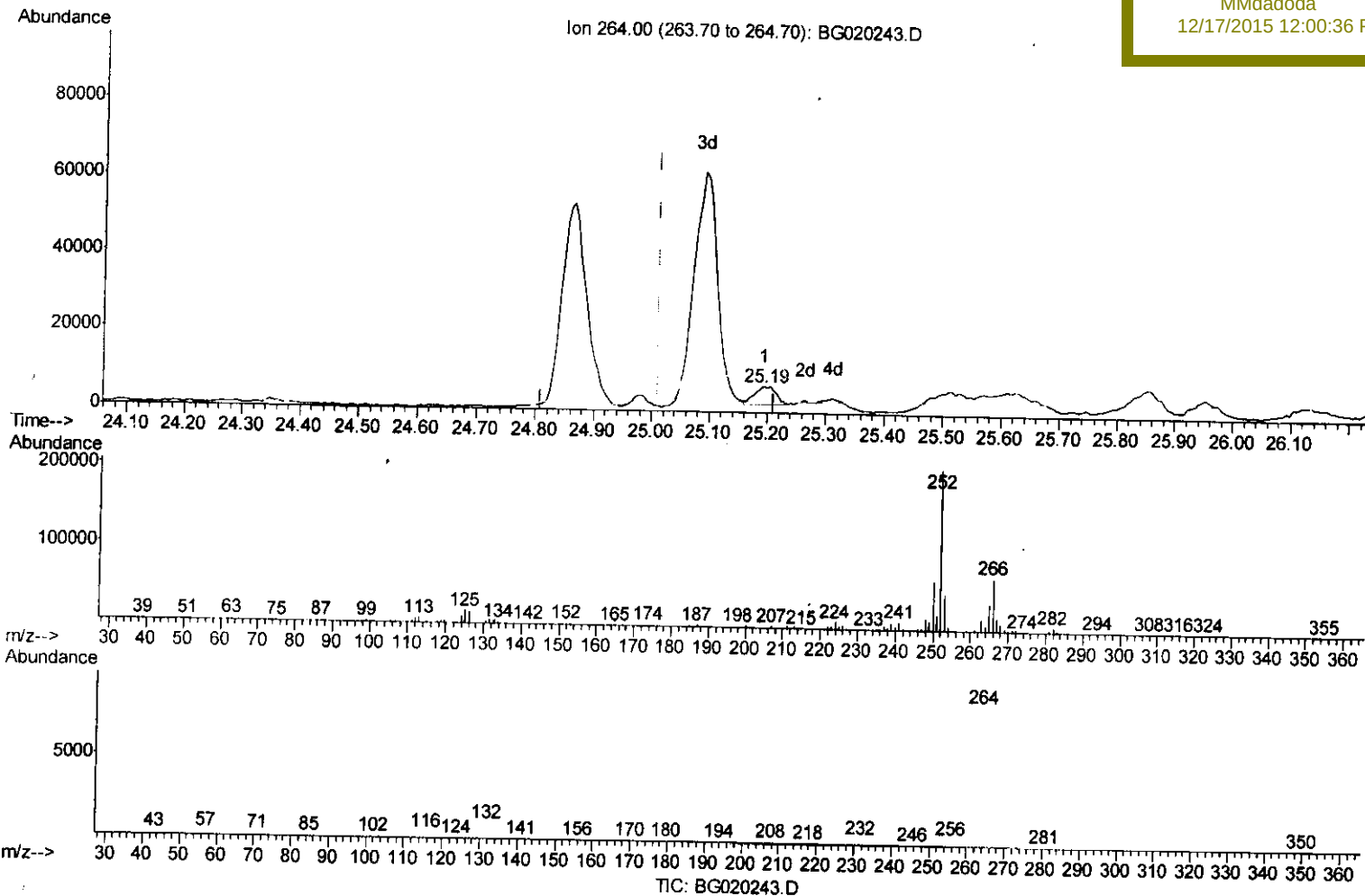
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
 Data File : BG020243.D
 Acq On : 17 Dec 2015 5:24
 Operator : UM/SJ
 Sample : G4767-22
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44

Manual Integrations
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 12/17/2015 12:00:36 PM

Quant Time: Dec 17 07:17:26 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 17 06:39:33 2015
 Response via : Initial Calibration



(86) Perylene-d12 (I)

25.194min (+0.183) 20.00ng/ul

response 11626

Ion	Exp%	Act%
264.00	100	100
260.00	22.70	12.83#
265.00	23.30	521.85#
0.00	0.00	0.00

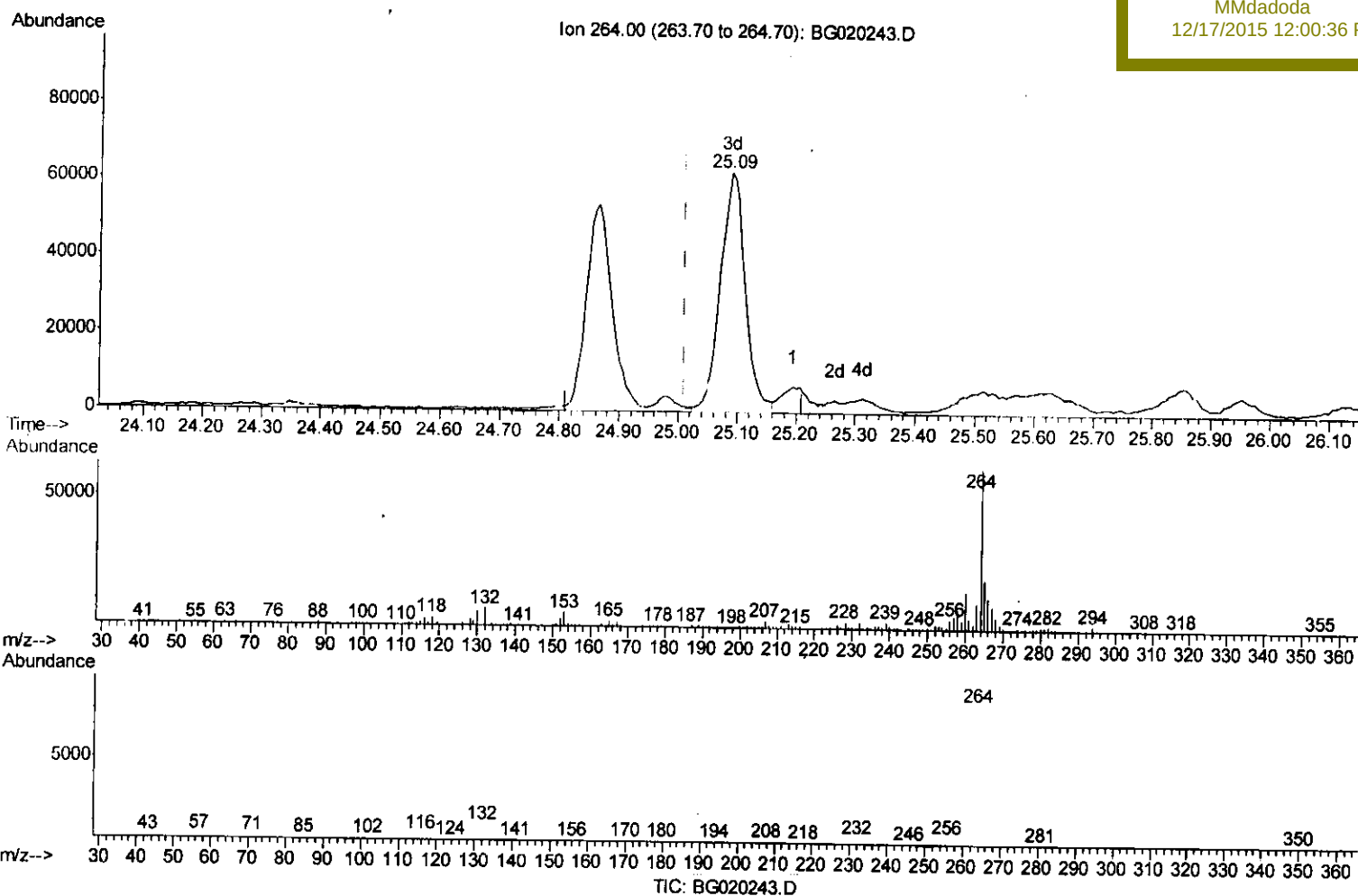
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
 Data File : BG020243.D
 Acq On : 17 Dec 2015 5:24
 Operator : UM/SJ
 Sample : G4767-22
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 D9N44

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 12:00:36 PM

Quant Time: Dec 17 07:17:26 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 17 06:39:33 2015
 Response via : Initial Calibration



(86) Perylene-d12 (I)

25.088min (+0.077) 20.00ng/ul m

response 182671

Ion	Exp%	Act%
264.00	100	100
260.00	22.70	23.21
265.00	23.30	31.13#
0.00	0.00	0.00

U.M
 28/12/15

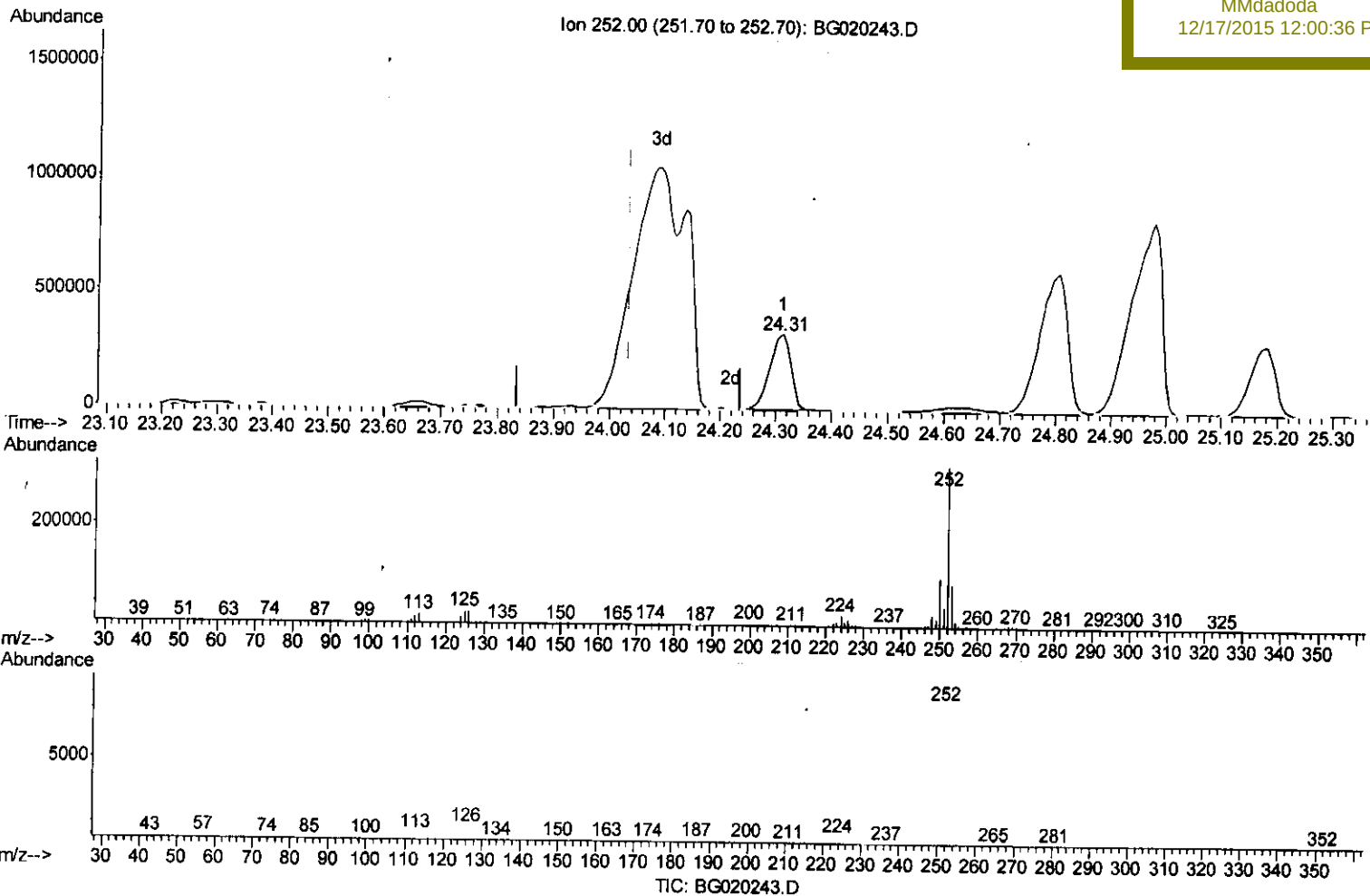
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020243.D
Acq On : 17 Dec 2015 5:24
Operator : UM/SJ
Sample : G4767-22
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 17 07:17:26 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 17 06:39:33 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampled :
D9N44

Manual Integrations
APPROVED

MMdadoda
12/17/2015 12:00:36 PM



(89) Benzo(k)fluoranthene

24.313min (+0.277) 79.00ng/ul

response 833459

Ion	Exp%	Act%
252.00	100	100
253.00	22.40	26.88
125.00	7.20	7.68
0.00	0.00	0.00

Quantitation Report (Qedit)

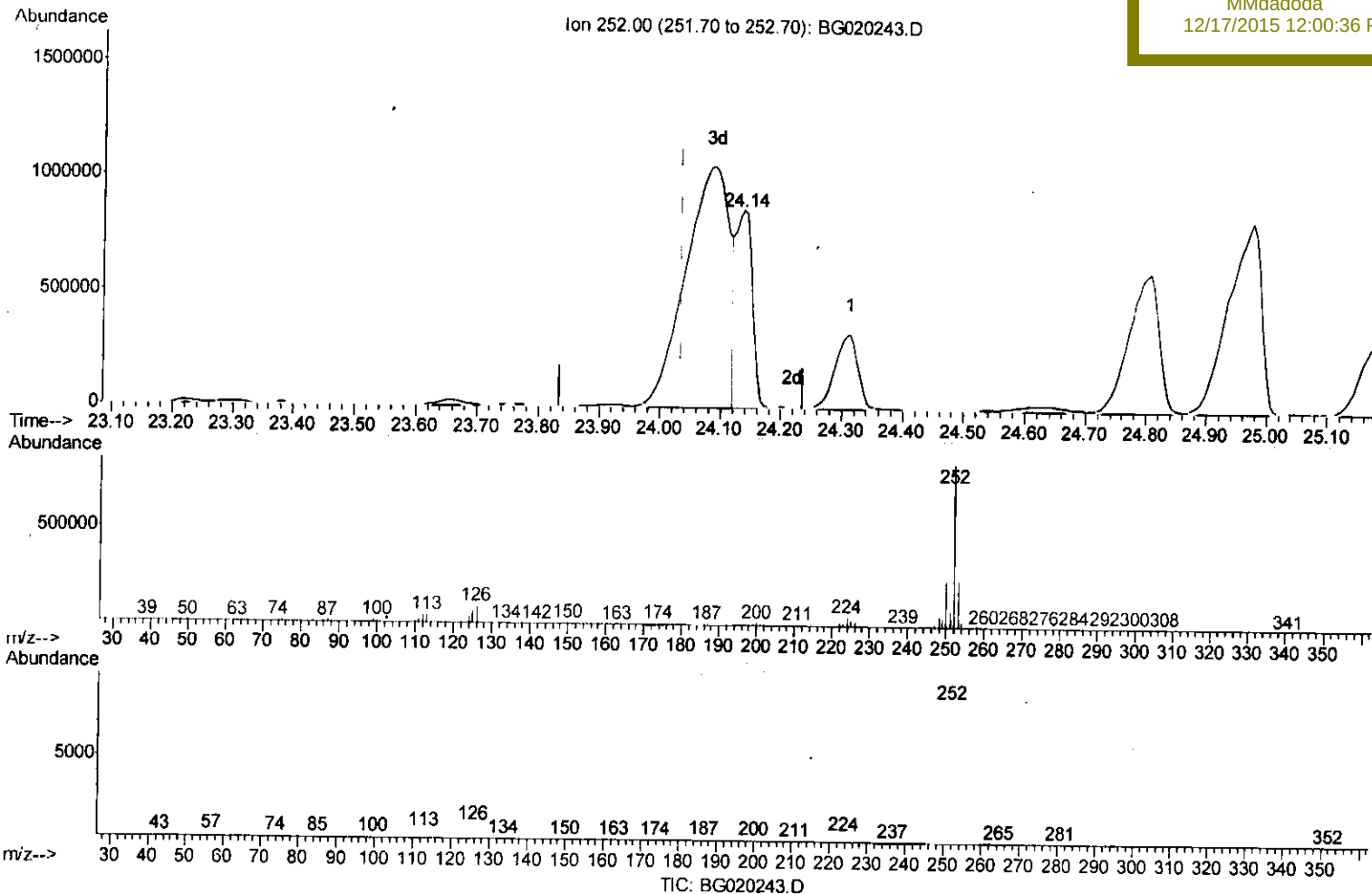
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
 Data File : BG020243.D
 Acq On : 17 Dec 2015 5:24
 Operator : UM/SJ
 Sample : G4767-22
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 17 07:17:26 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 17 06:39:33 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 D9N44

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 12:00:36 PM



(89) Benzo(k)fluoranthene

24.136min (+0.101) 150.88ng/ul m

response 1591844

Ion	Exp%	Act%
252.00	100	100
253.00	22.40	28.59#
125.00	7.20	7.50
0.00	0.00	0.00

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 28/12/15

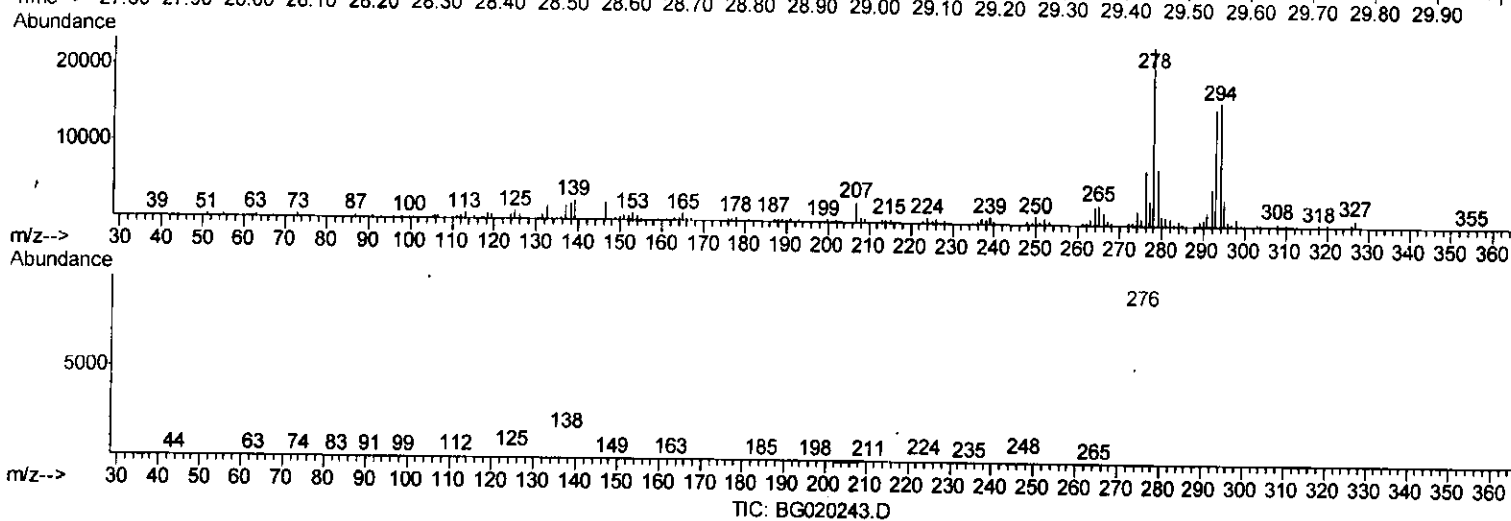
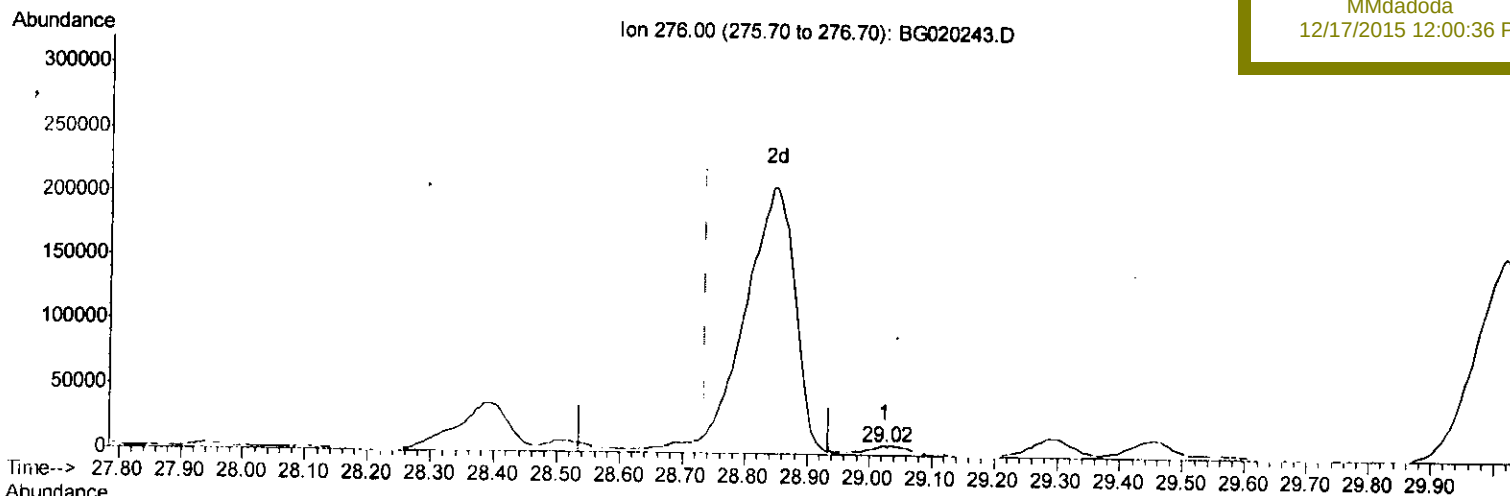
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020243.D
Acq On : 17 Dec 2015 5:24
Operator : UM/SJ
Sample : G4767-22
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
D9N44

Quant Time: Dec 17 07:17:26 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 17 06:39:33 2015
Response via : Initial Calibration

Manual Integrations
APPROVED

MMdadoda
12/17/2015 12:00:36 PM



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

29.025min (+0.289) 0.98ng/ul

response 12219

Ion	Exp%	Act%
276.00	100	100
138.00	14.20	31.58#
277.00	21.70	46.47#
0.00	0.00	0.00

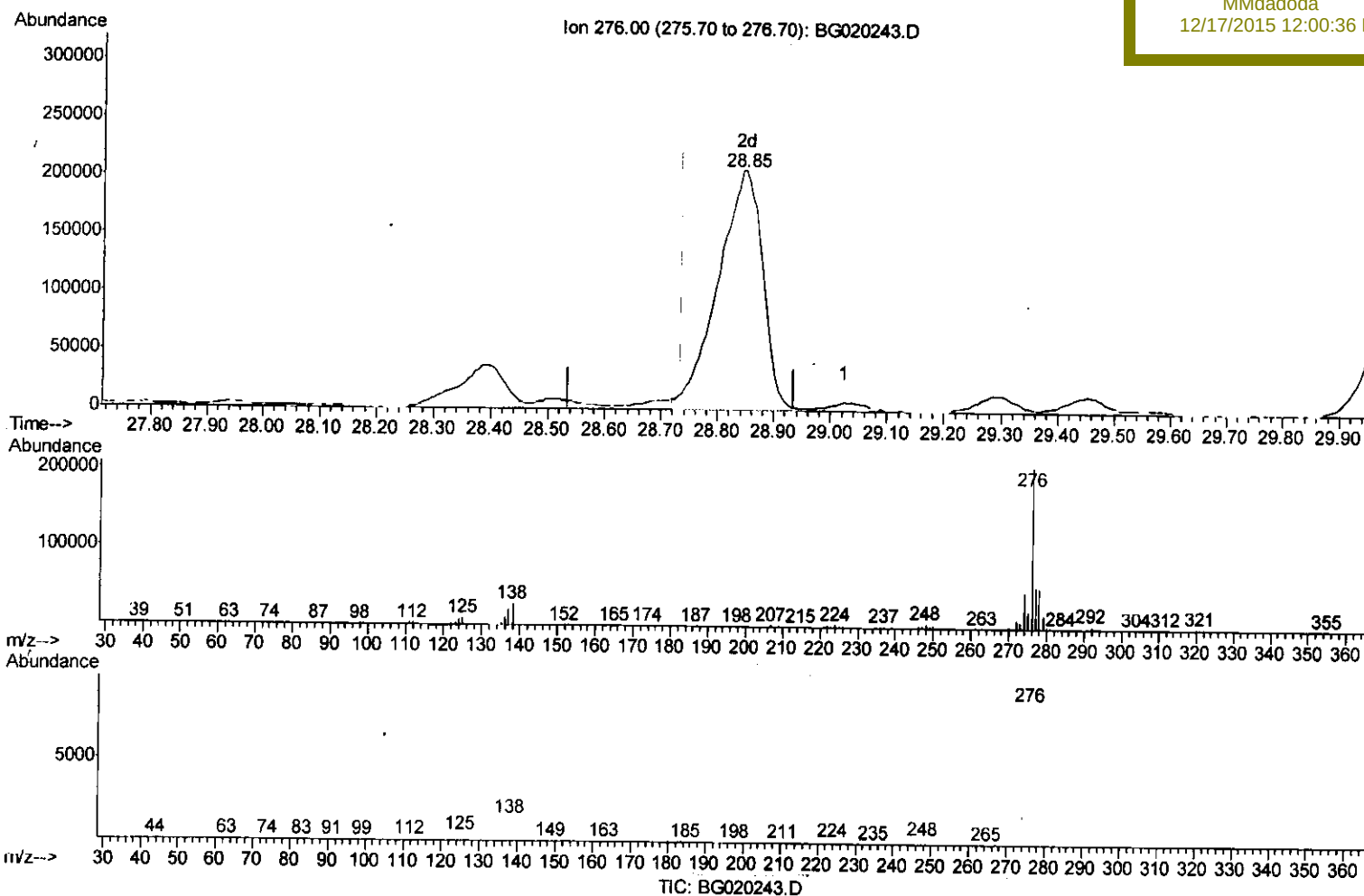
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
 Data File : BG020243.D
 Acq On : 17 Dec 2015 5:24
 Operator : UM/SJ
 Sample : G4767-22
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44

Manual Integrations
 APPROVED

MMdadoda
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Quant Time: Dec 17 07:17:26 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 Qlast Update : Thu Dec 17 06:39:33 2015
 Response via : Initial Calibration



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

28.849min (+0.112) 91.70ng/ul m

response 1138155

Ion	Exp%	Act%
276.00	100	100
138.00	14.20	13.43
277.00	21.70	26.05#
0.00	0.00	0.00

> U.M
 28/12/15

Quantitation Report (Qedit)

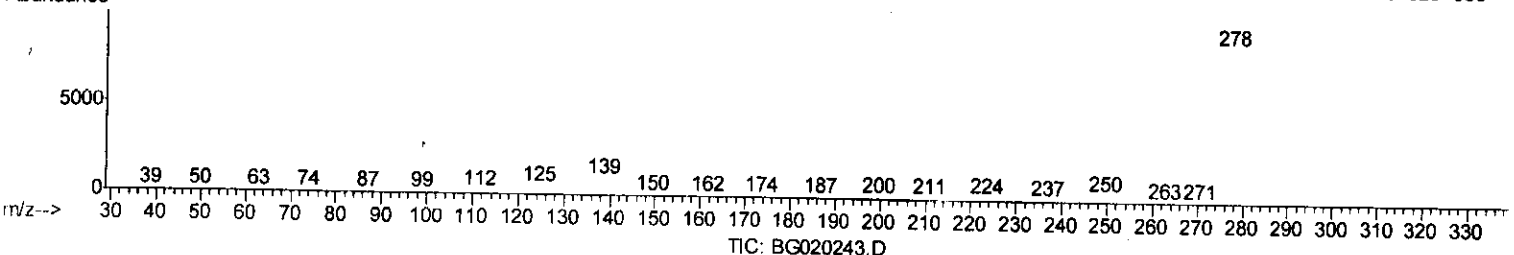
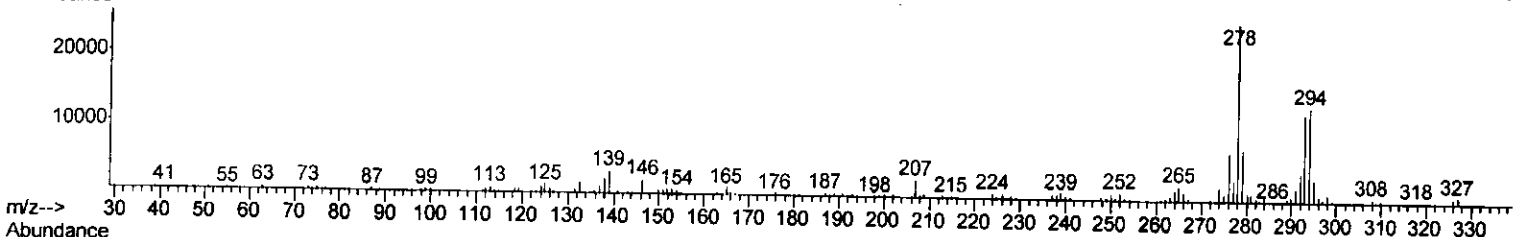
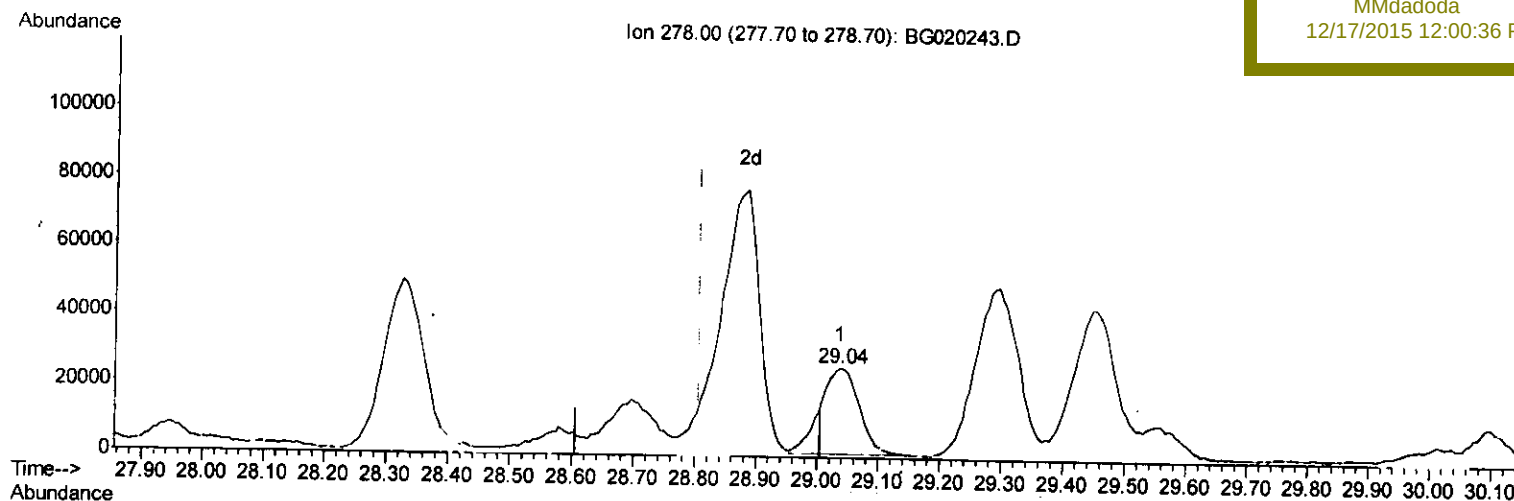
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
 Data File : BG020243.D
 Acq On : 17 Dec 2015 5:24
 Operator : UM/SJ
 Sample : G4767-22
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 17 07:17:26 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 17 06:39:33 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 D9N44

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 12:00:36 PM



(93) Dibenzo(a,h)anthracene

29.037min (+0.230) 10.88ng/ul

response 112107

Ion	Exp%	Act%
278.00	100	100
139.00	11.80	12.90
279.00	24.20	28.99
0.00	0.00	0.00

Quantitation Report (Qedit)

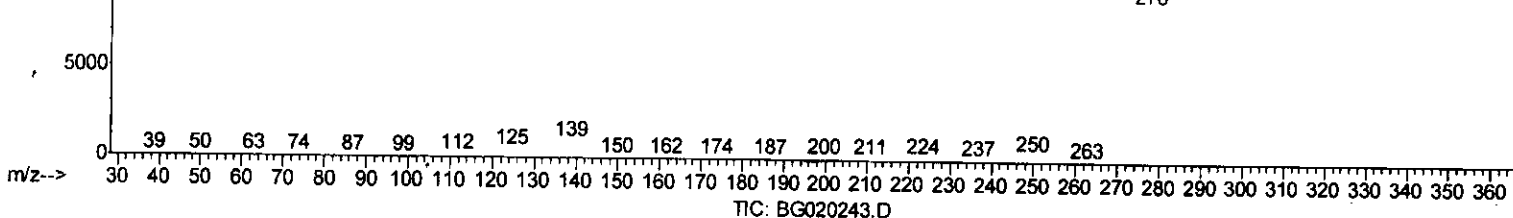
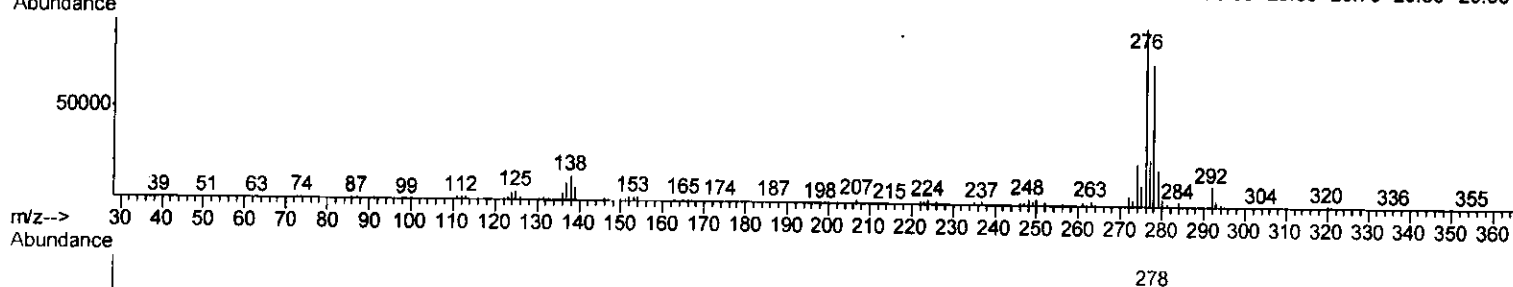
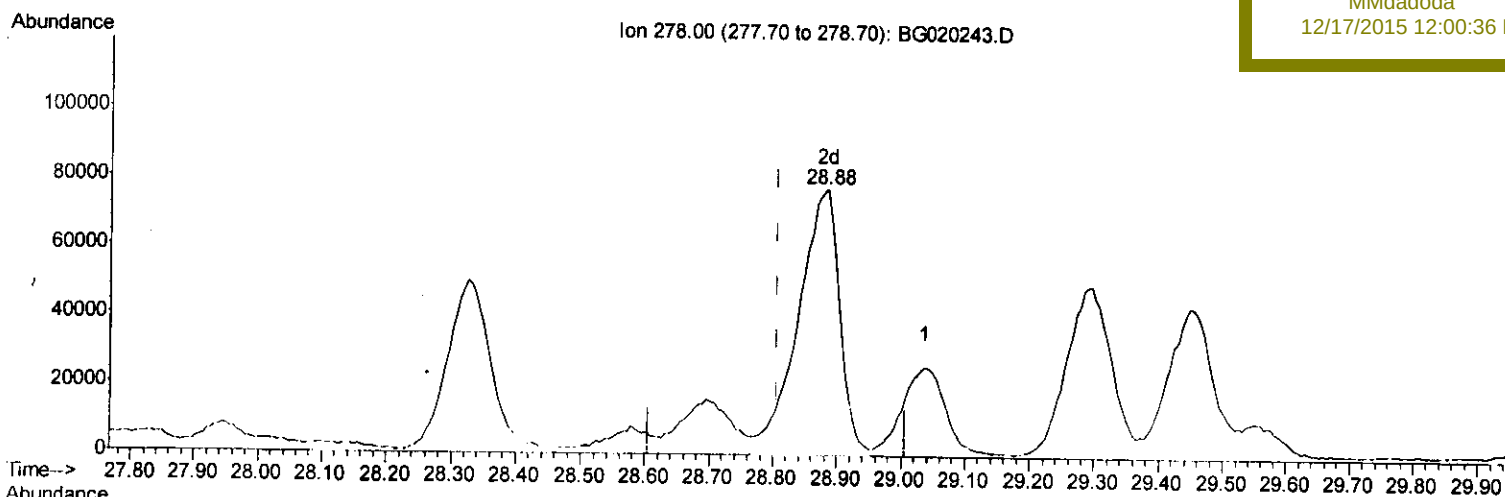
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
 Data File : BG020243.D
 Acq On : 17 Dec 2015 5:24
 Operator : UM/SJ
 Sample : G4767-22
 Misc :
 A/S Vial : 28 Sample Multiplier: 1

Quant Time: Dec 17 07:17:26 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 17 06:39:33 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 Client Sample ID :
 D9N44

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 12:00:36 PM



(93) Dibenzo(a,h)anthracene

28.884min (+0.077) 34.13ng/ul m

response 351657

Ion	Exp%	Act%
278.00	100	100
139.00	11.80	9.25#
279.00	24.20	26.34
0.00	0.00	0.00

> U.M
28/12/15

Quantitation Report (Qedit)

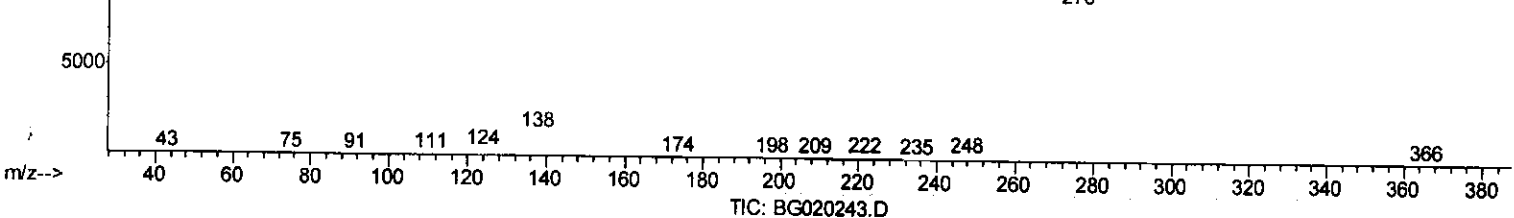
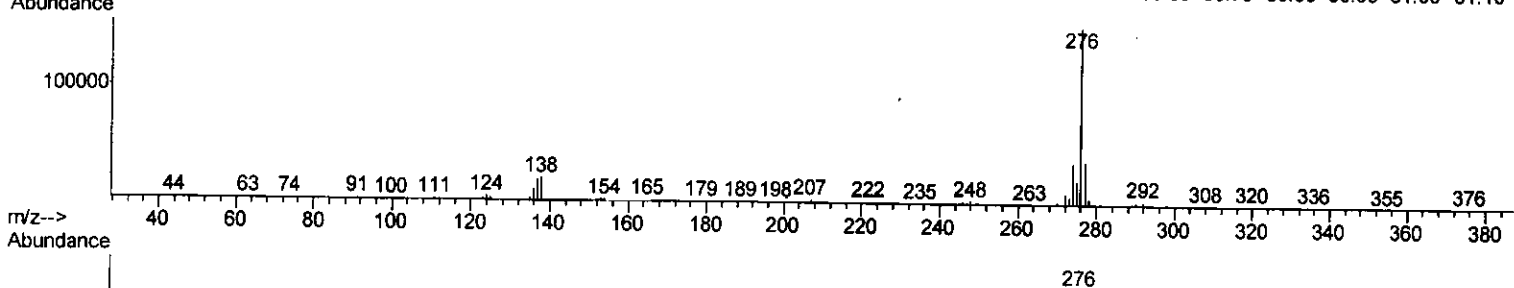
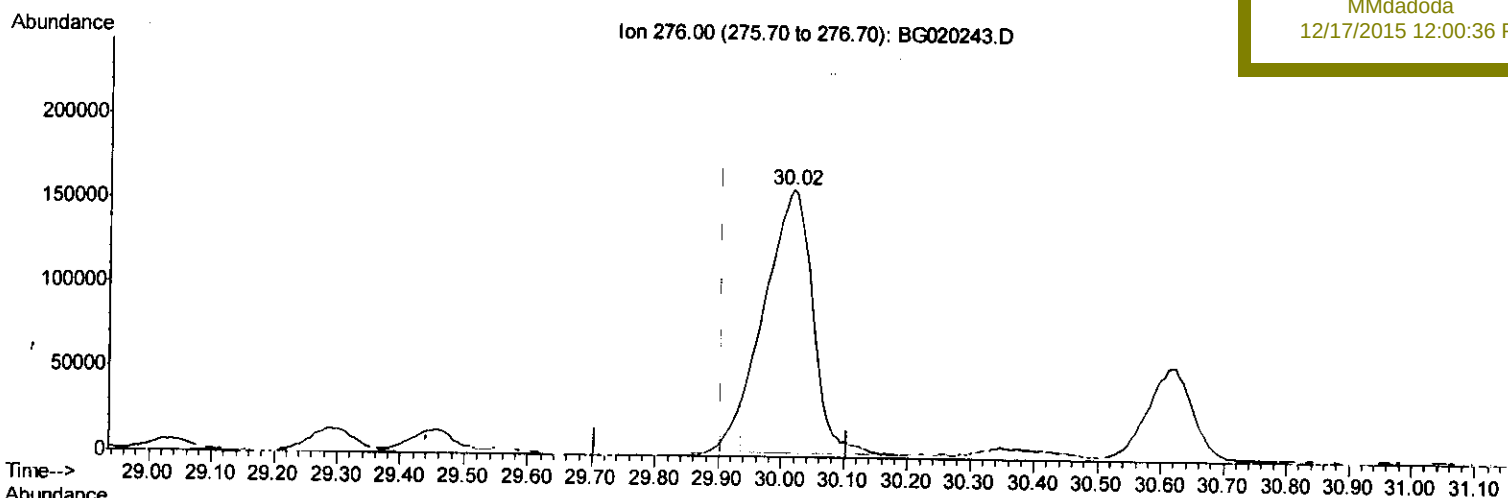
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
 Data File : BG020243.D
 Acq On : 17 Dec 2015 5:24
 Operator : UM/SJ
 Sample : G4767-22
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 17 07:17:26 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 17 06:39:33 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 D9N44

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 12:00:36 PM



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

30.018min (+0.112) 77.62ng/ul

response 789738

Ion	Exp%	Act%
276.00	100	100
138.00	13.50	13.09
277.00	24.90	24.10
0.00	0.00	0.00

Quantitation Report (Qedit)

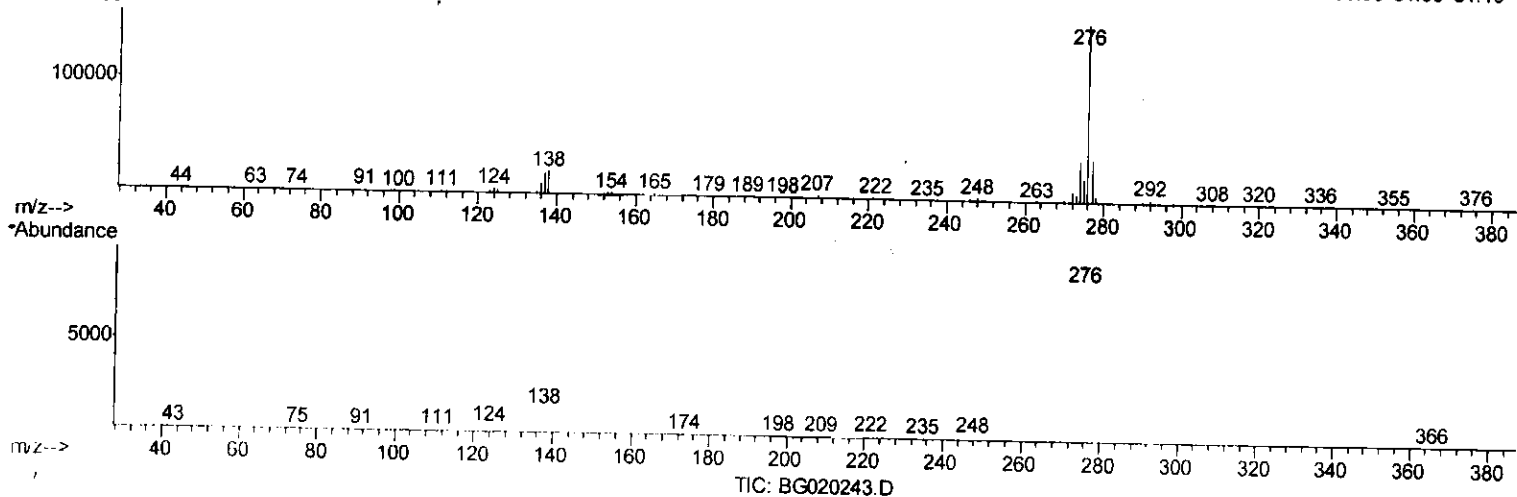
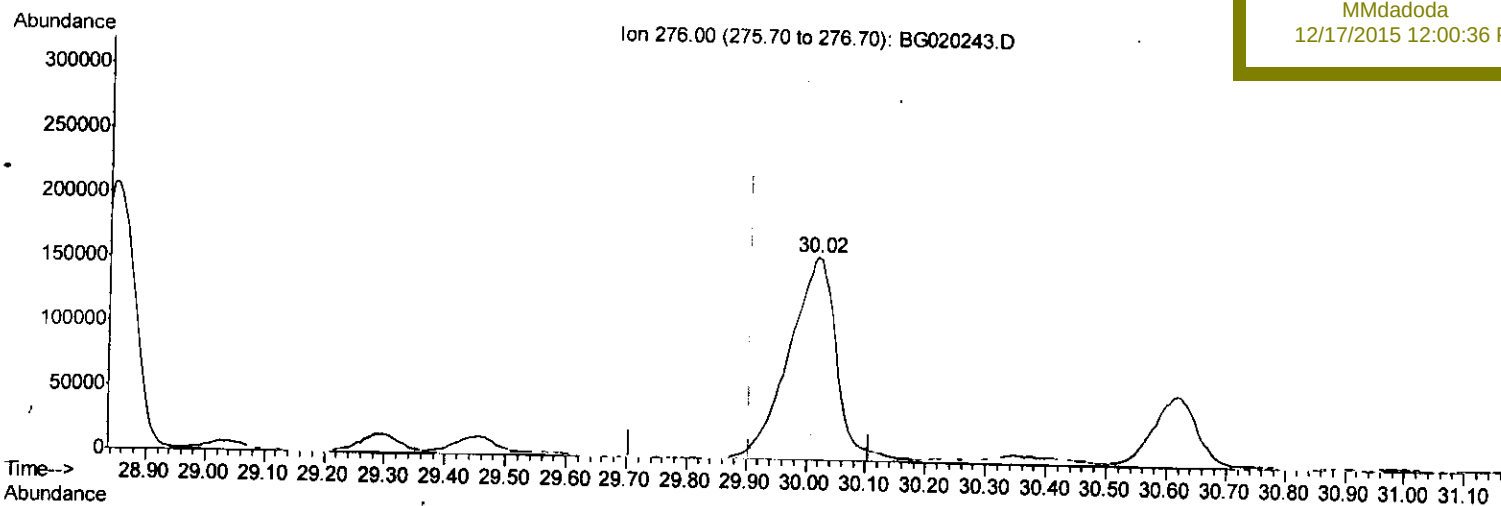
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
 Data File : BG020243.D
 Acq On : 17 Dec 2015 5:24
 Operator : UM/SJ
 Sample : G4767-22
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44

Quant Time: Dec 17 07:17:26 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 17 06:39:33 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 12:00:36 PM



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

30.018min (+0.112) 86.08ng/ul m

response 875871

Ion	Exp%	Act%
276.00	100	100
138.00	13.50	13.09
277.00	24.90	24.10
0.00	0.00	0.00

Handwritten: > U.M.
 28/12/15

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
 Data File : BG020243.D
 Acq On : 17 Dec 2015 5:24
 Operator : UM/SJ
 Sample : G4767-22
 Misc :
 A/S Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 Client Sampled :
 D9N44

Quant Time: Dec 17 07:31:22 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 17 06:39:33 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 12:00:36 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	27777	20.00	ng/ul	0.00
18) Naphthalene-d8	11.02	136	110676m	20.00	ng/ul	0.11
36) Acenaphthene-d10	14.81	164	136642	20.00	ng/ul	0.08
62) Phenanthrene-d10	17.57	188	115594m	20.00	ng/ul	0.11
78) Chrysene-d12	21.83	240	200035m	20.00	ng/ul	0.08
86) Perylene-d12	25.09	264	182671m	20.00	ng/ul	0.08

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	1152	2.29	ng/uL	0.00
5) Phenol-d5	7.25	99	41410	16.91	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	27606	18.89	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	33068	18.56	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	35272	16.84	ng/ul	0.00
19) Nitrobenzene-d5	9.28	128	20935	24.27	ng/ul	0.02
22) 2-Nitrophenol-d4	10.01	143	19912	20.74	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.56	165	35846	18.43	ng/ul	0.04
29) 4-Chloroaniline-d4	11.14	131	62568m	28.64	ng/ul	0.09
44) Dimethylphthalate-d6	14.20	166	91799	8.31	ng/ul	0.07
47) Acenaphthylene-d8	14.45	160	117705	9.15	ng/ul	0.02
52) 4-Nitrophenol-d4	14.99	143	23196	11.70	ng/ul	0.07
58) Fluorene-d10	15.75	176	86922m	8.67	ng/ul	0.03
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.57	188	115673m	21.72	ng/ul	0.00
79) Pyrene-d10	19.91	212	155624m	16.69	ng/ul	0.06
90) Benzo(a)pyrene-d12	24.86	264	157192	17.25	ng/ul	0.08

Target Compounds

					Qvalue
6) Phenol	7.27	94	10912	4.16	ng/ul 95
11) 2-Methylphenol	8.54	108	31213	15.60	ng/ul 93
14) Acetophenone	8.93	105	17112	5.22	ng/ul# 94
16) 4-Methylphenol	8.87	108	46587	21.03	ng/ul 98
24) 2,4-Dimethylphenol	10.09	107	150187m	64.25	ng/ul
28) Naphthalene	11.14	128	18478517m	3197.15	ng/ul
34) 2-Methylnaphthalene	12.67	142	9556402	2164.65	ng/ul 94
35) 1-Methylnaphthalene	12.88	142	5746039	1353.83	ng/ul# 90
41) 1,1'-Biphenyl	13.61	154	4734243	459.25	ng/ul# 60
45) Dimethylphthalate	14.24	163	51079	4.52	ng/ul 97
48) Acenaphthylene	14.49	152	2372182	173.64	ng/ul# 80
50) Acenaphthene	14.94	153	14095632m	1533.49	ng/ul
54) Dibenzofuran	15.24	168	10497036m	767.68	ng/ul
59) Fluorene	15.91	166	11005609m	1002.29	ng/ul
70) Phenanthrene	17.63	178	22509164m	3560.00	ng/ul
72) Anthracene	17.77	178	3126475m	487.52	ng/ul
75) Carbazole	17.96	167	3796578	704.57	ng/ul# 64
77) Fluoranthene	19.65	202	15682450m	2122.25	ng/ul
80) Pyrene	20.03	202	12691603m	1048.30	ng/ul
83) Benzo(a)anthracene	21.81	228	6914630m	592.42	ng/ul
85) Chrysene	21.90	228	5573300m	507.00	ng/ul
88) Benzo(b)fluoranthene	24.09	252	5226748	475.39	ng/ul# 84
89) Benzo(k)fluoranthene	24.14	252	1591844m	150.88	ng/ul

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020243.D
Acq On : 17 Dec 2015 5:24
Operator : UM/SJ
Sample : G4767-22
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 17 07:31:22 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 17 06:39:33 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N44

Manual Integrations
APPROVED

MMdadoda
12/17/2015 12:00:36 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(a)pyrene	24.98	252	3149043	302.15	ng/ul#	91
92) Indeno(1,2,3-cd)pyrene	28.85	276	1138155m	91.70	ng/ul	
93) Dibenzo(a,h)anthracene	28.88	278	351657m	34.13	ng/ul	
94) Benzo(g,h,i)perylene	30.02	276	875871m	86.08	ng/ul	

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

2 U.M.
28/12/15

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020243.D
Acq On : 17 Dec 2015 5:24
Operator : UM/SJ
Sample : G4767-22
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 17 07:31:22 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 17 06:39:33 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampled :
D9N44

Manual Integrations
APPROVED

MMdadoda
12/17/2015 12:00:36 PM

