

(QT Reviewed)

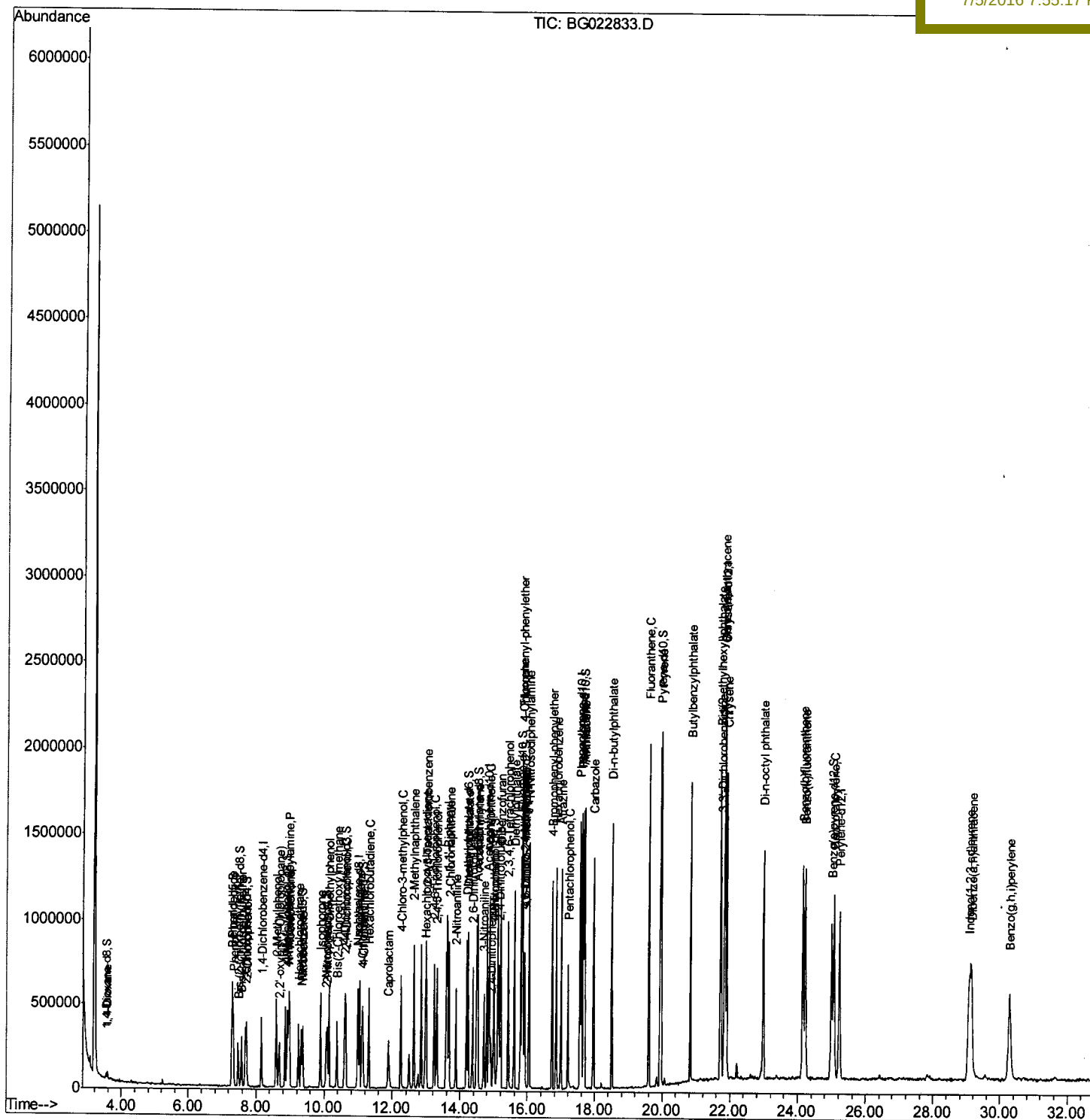
```
Data Path   : Z:\HPCHEM1\BNA G\DATA\BG070316\  
Data File  : BG022833.D  
Acq On     : 3 Jul 2016 17:52  
Operator   : UM/SJ  
Sample     : SSTDCCC020  
Misc       :  
ALS Vial   : 2      Sample Multiplier: 1
```

Instrument :
BNA_G
LabSampleId :
SSTD02018

Manual Integration

umangi
7/5/2016 7:55:17 PM

Quant Time: Jul 04 04:16:41 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 04 03:30:19 2016
Response via : Initial Calibration



Quantitation Report (Qedit)

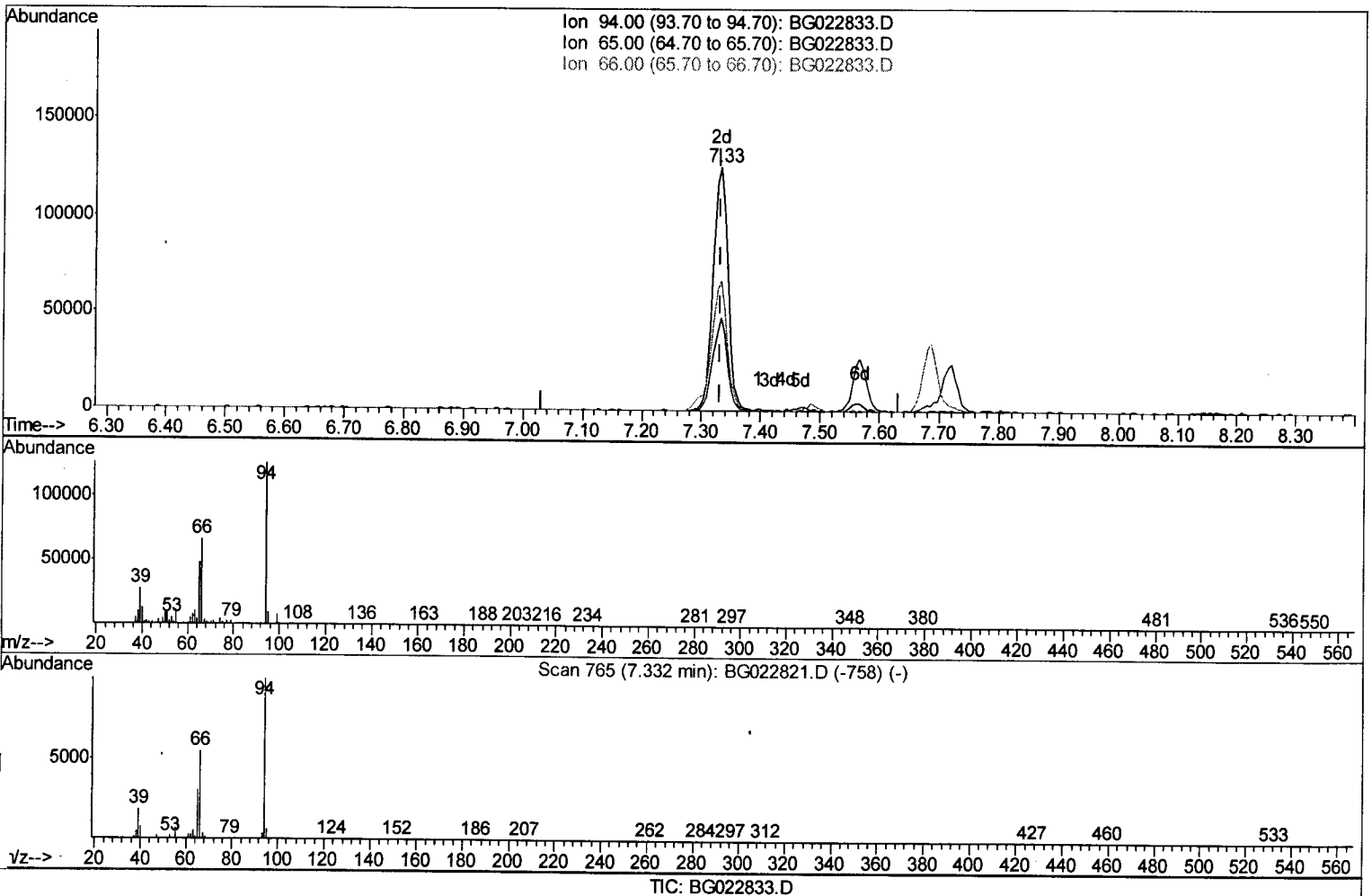
Data Path : Z:\HPCHEM1\BNA G\DATA\BG070316\
 Data File : BG022833.D
 Acq On : 3 Jul 2016 17:52
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02018

Manual Integration

Quant Time: Jul 04 03:32:24 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 04 03:30:19 2016
 Response via : Initial Calibration

umangi
 7/5/2016 7:55:17 PM



(6) Phenol

7.332min (+0.001) 18.79ng/ul m

response 218914

U.M
 07/09/16

Ion	Exp%	Act%
94.00	100	100
65.00	21.00	38.12#
66.00	28.20	52.99#
0.00	0.00	0.00

Quantitation Report (Qedit)

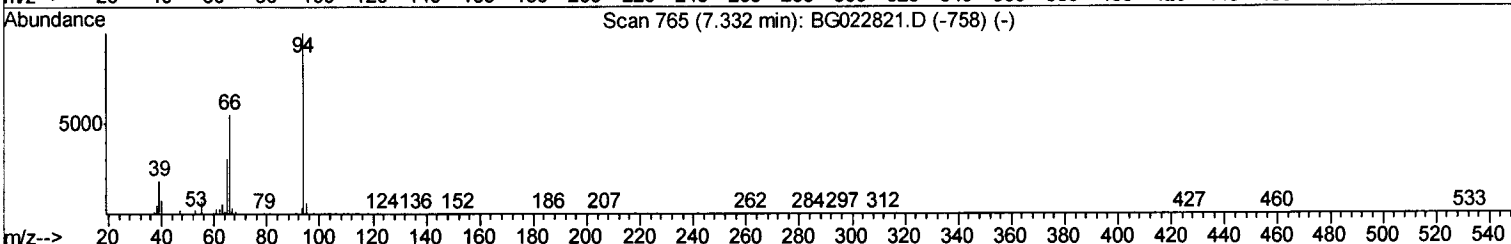
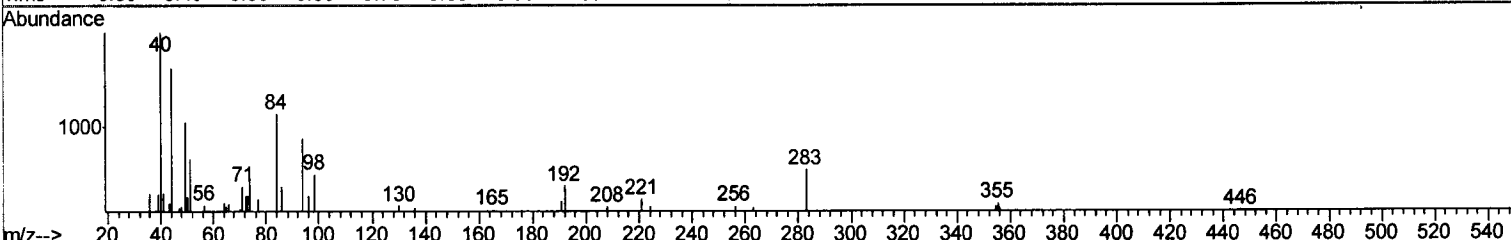
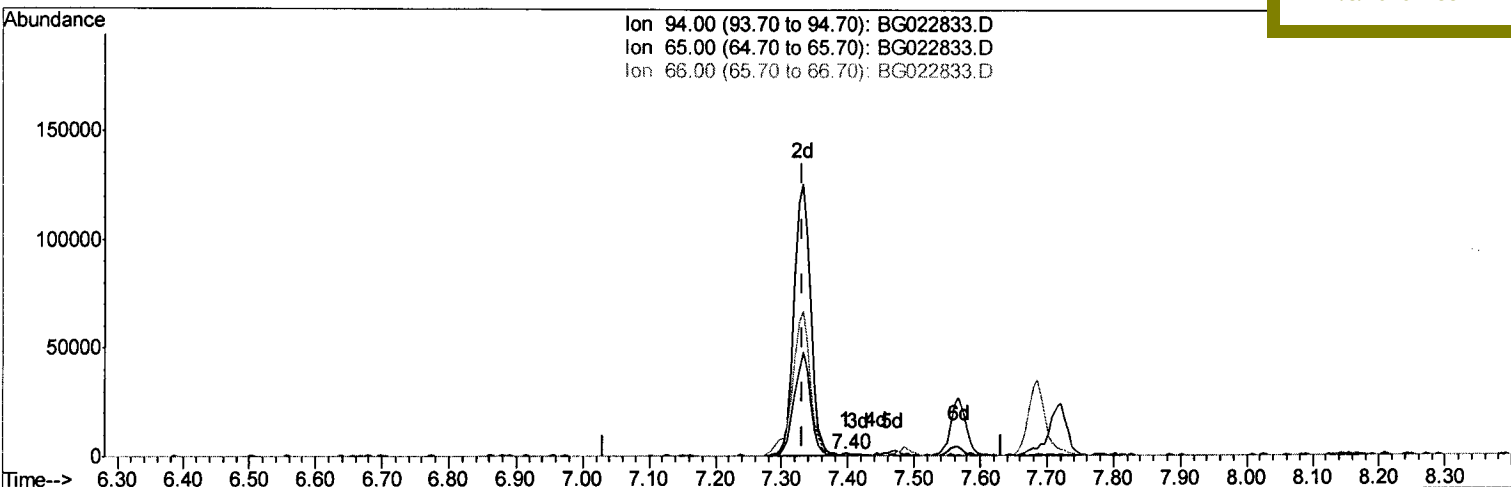
Data Path : Z:\HPCHEM1\BNA G\DATA\BG070316\
 Data File : BG022833.D
 Acq On : 3 Jul 2016 17:52
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02018

Quant Time: Jul 04 03:32:24 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 04 03:30:19 2016
 Response via : Initial Calibration

Manual Integration

umangi
 7/5/2016 7:55:17 PM



TIC: BG022833.D

(6) Phenol

7.397min (+0.065) 0.04ng/ul

response 492

Ion	Exp%	Act%
94.00	100	100
65.00	21.00	22.47
66.00	28.20	25.65
0.00	0.00	0.00

Quantitation Report (Qedit)

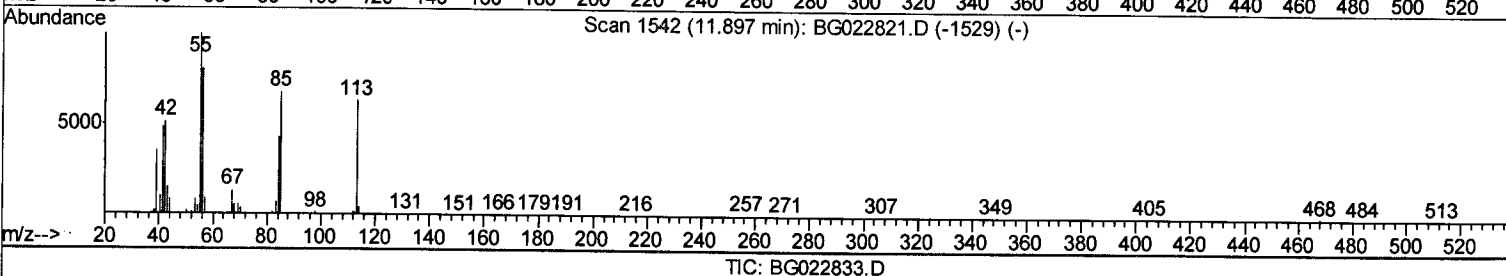
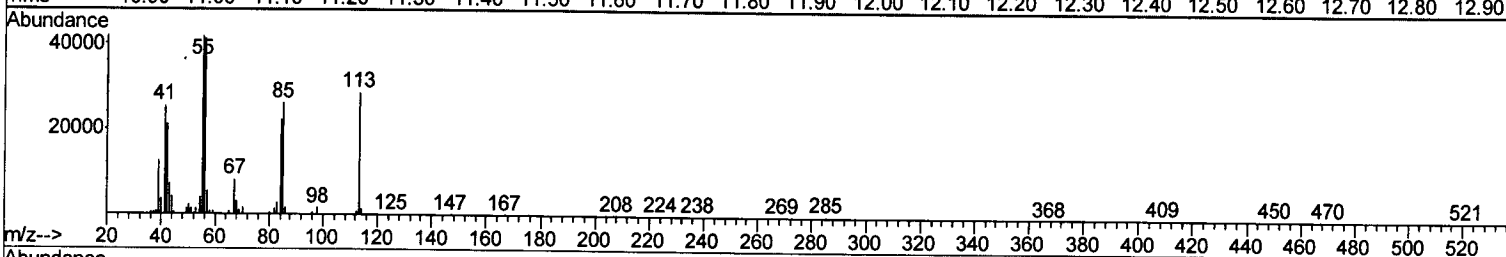
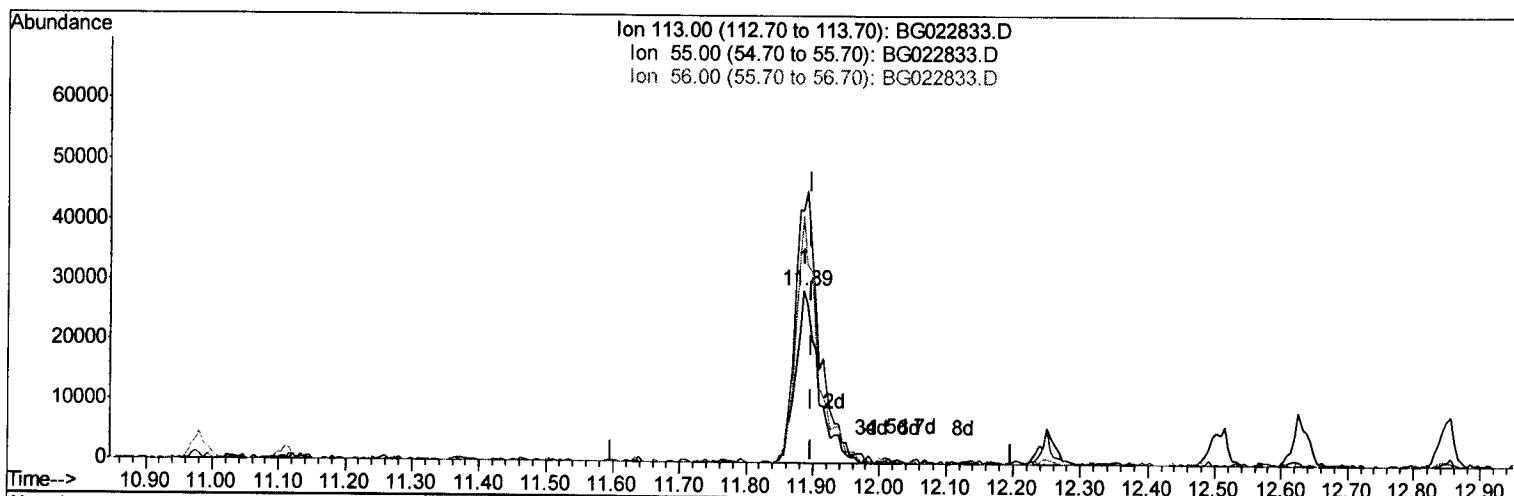
Data Path : Z:\HPCHEM1\BNA G\DATA\BG070316\
 Data File : BG022833.D
 Acq On : 3 Jul 2016 17:52
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02018

Manual Integration

Quant Time: Jul 04 03:32:24 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
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APPROVED
 umangi
 7/5/2016 7:55:17 PM



(32) Caprolactam

11.886min (-0.011) 22.21ng/ul m U.M
 response 68997
 08/09/16

Ion	Exp%	Act%
113.00	100	100
55.00	124.50	145.26
56.00	83.00	143.03#
0.00	0.00	0.00

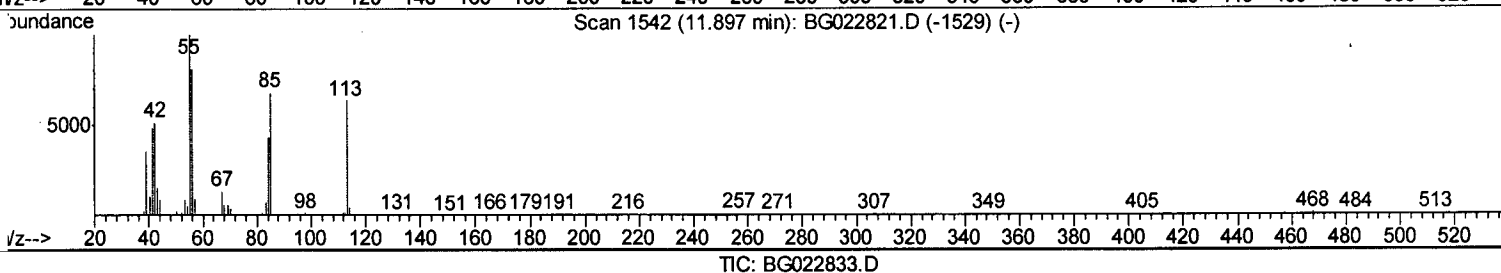
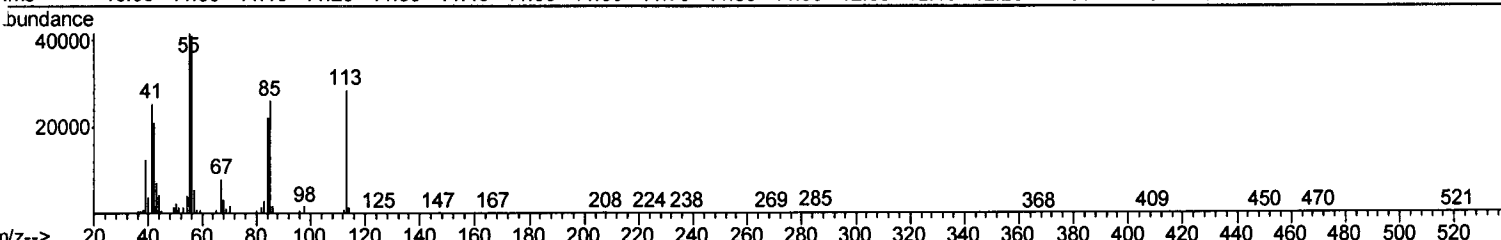
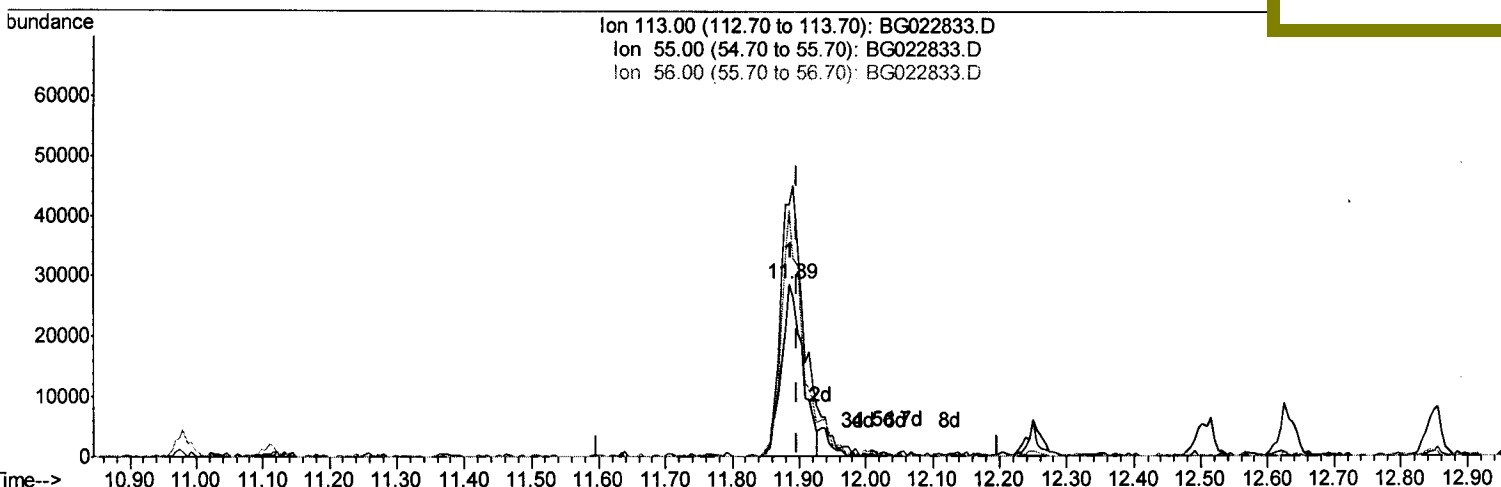
Data Path : Z:\HPCHEM1\BNA G\DATA\BG070316\
Data File : BG022833.D
Acq On : 3 Jul 2016 17:52
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02018

Manual Integration

umangi
7/5/2016 7:55:17 PM

Quant Time: Jul 04 03:32:24 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration



TIC: BG022833.D

(32) Caprolactam

11.886min (-0.011) 20.35ng/ul

response 63239

Ion	Exp%	Act%
113.00	100	100
55.00	124.50	145.26
56.00	83.00	143.03#
0.00	0.00	0.00

Quantitation Report (Qedit)

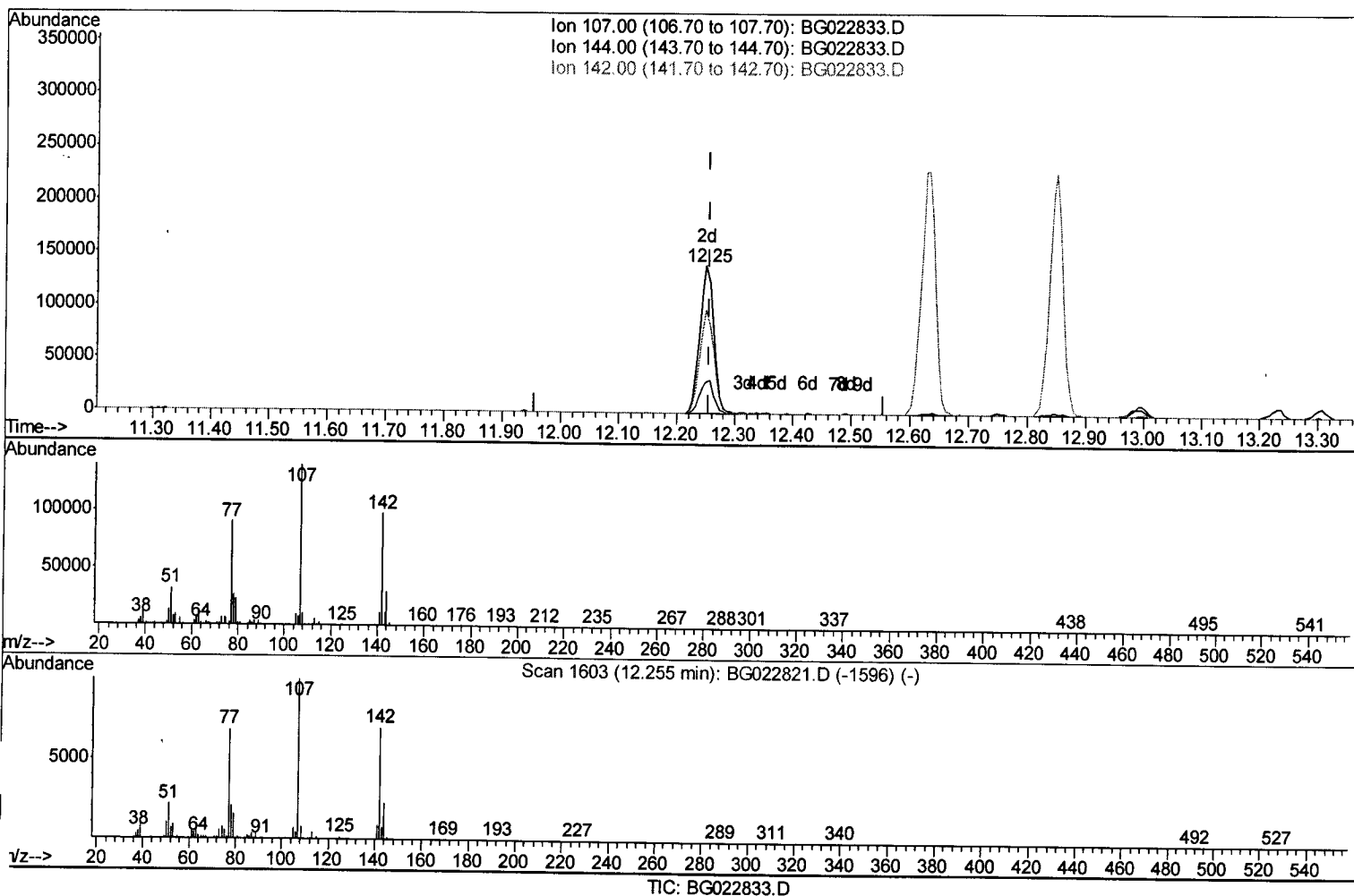
Data Path : Z:\HPCHEM1\BNA G\DATA\BG070316\
 Data File : BG022833.D
 Acq On : 3 Jul 2016 17:52
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02018

Manual Integration

umangi
 7/5/2016 7:55:17 PM

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 Response via : Initial Calibration



(33) 4-Chloro-3-methylphenol (C)

12.250min (-0.005) 19.31ng/ul m U.M
 response 227397 07/09/16

Ion	Exp%	Act%
107.00	100	100
144.00	28.40	21.17#
142.00	89.50	70.55#
0.00	0.00	0.00

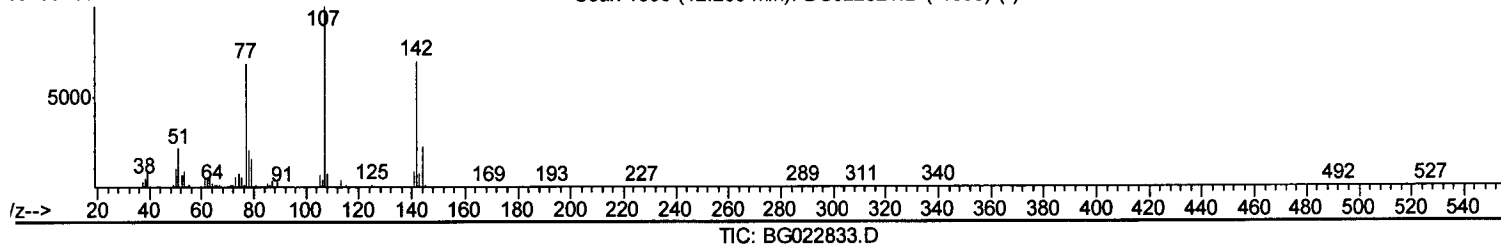
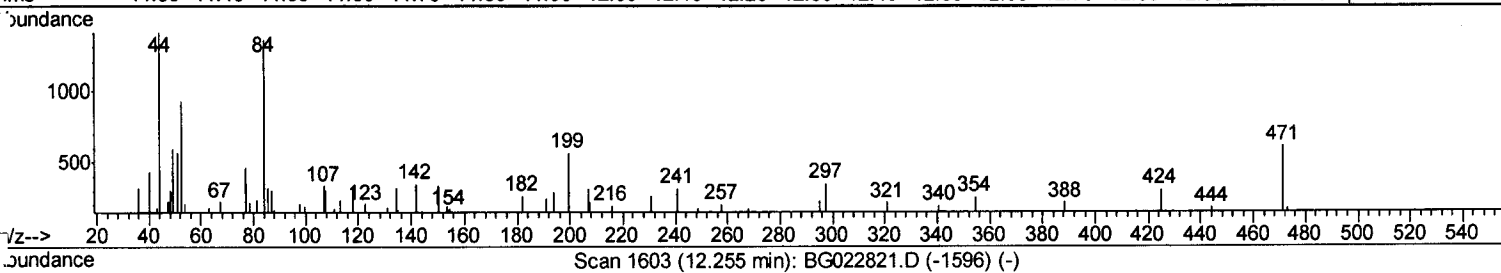
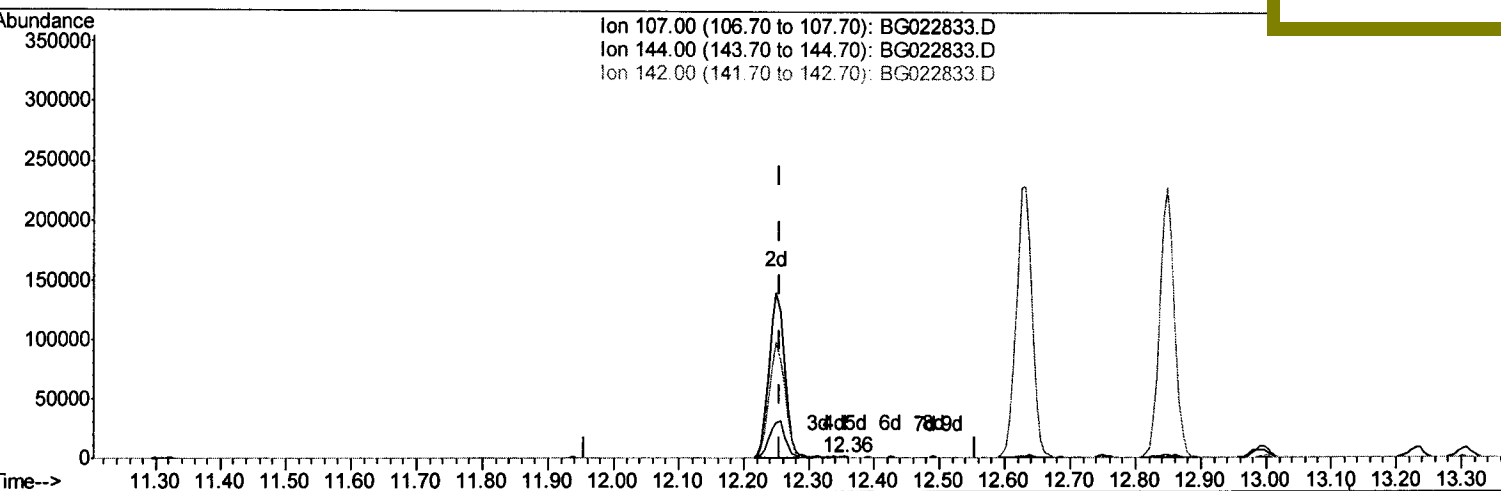
Data Path : Z:\HPCHEM1\BNA G\DATA\BG070316\
Data File : BG022833.D
Acq On : 3 Jul 2016 17:52
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02018

Manual Integration

umangi
7/5/2016 7:55:17 PM

Quant Time: Jul 04 03:32:24 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 04 03:30:19 2016
Response via : Initial Calibration



(33) 4-Chloro-3-methylphenol (C)

12.356min (+0.100) 0.02ng/ul

response 229

Ion	Exp%	Act%
107.00	100	100
144.00	28.40	25.16
142.00	89.50	78.88
0.00	0.00	0.00

Quantitation Report (Qedit)

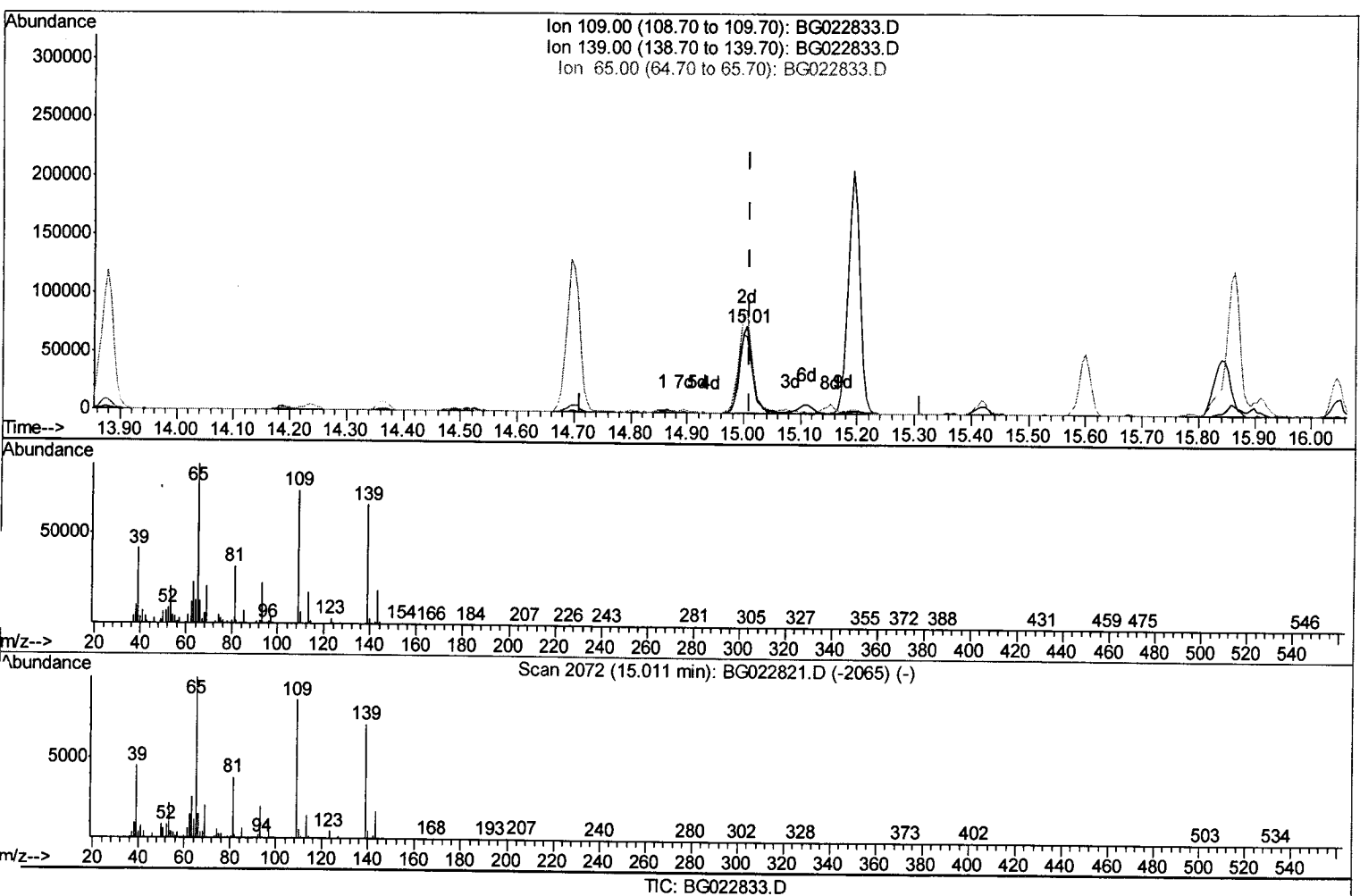
Data Path : Z:\HPCHEM1\BNA G\DATA\BG070316\
 Data File : BG022833.D
 Acq On : 3 Jul 2016 17:52
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02018

Manual Integration

umangi
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Quant Time: Jul 04 03:32:24 2016
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(52) 4-Nitrophenol

15.005min (-0.005) 21.46ng/ul m

response 122855

Ion Exp% Act%

109.00 100 100

139.00 170.10 89.75#

65.00 132.50 119.43

0.00 0.00 0.00

Quantitation Report (Qedit)

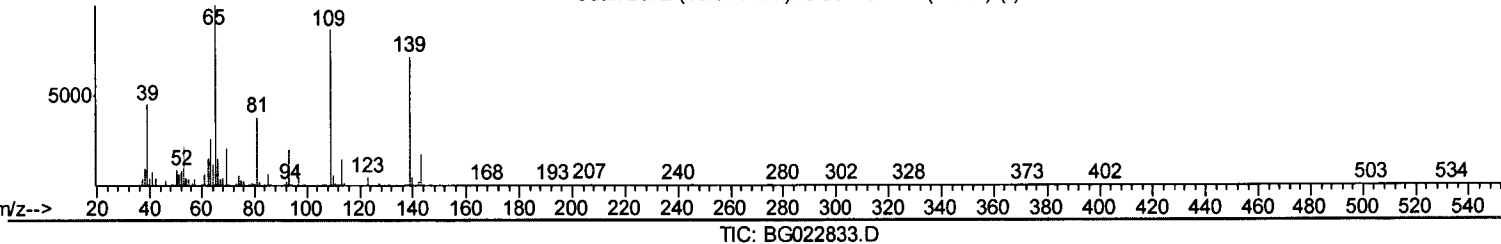
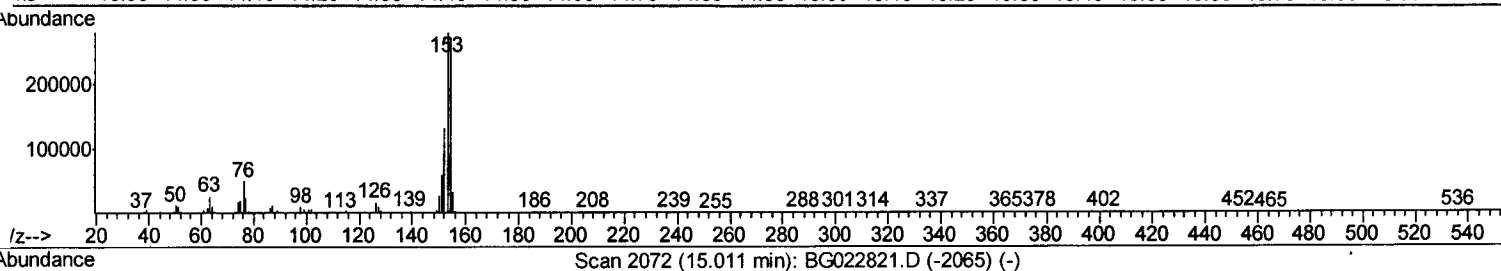
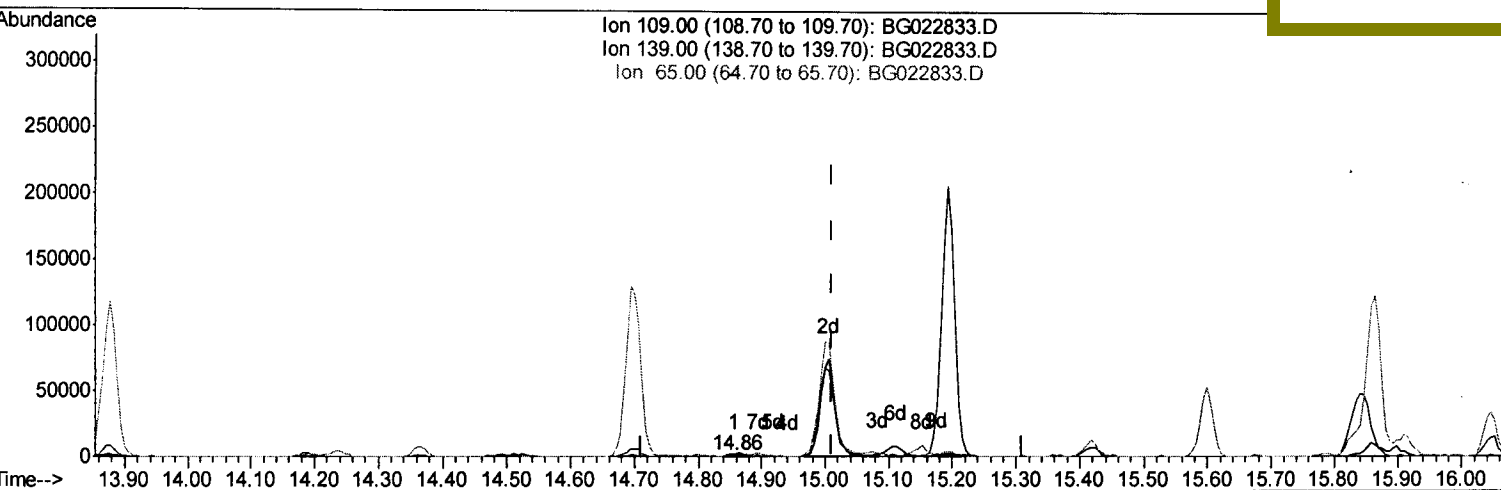
Data Path : Z:\HPCHEM1\BNA G\DATA\BG070316\
 Data File : BG022833.D
 Acq On : 3 Jul 2016 17:52
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampled :
 SSTD02018

Manual Integrati

umangi
 7/5/2016 7:55:17 PM

Quant Time: Jul 04 03:32:24 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 04 03:30:19 2016
 Response via : Initial Calibration



(52) 4-Nitrophenol

14.859min (-0.152) 0.13ng/ul

response 755

Ion	Exp%	Act%
109.00	100	100
139.00	170.10	179.76
65.00	132.50	107.89
0.00	0.00	0.00

Quantitation Report (Qedit)

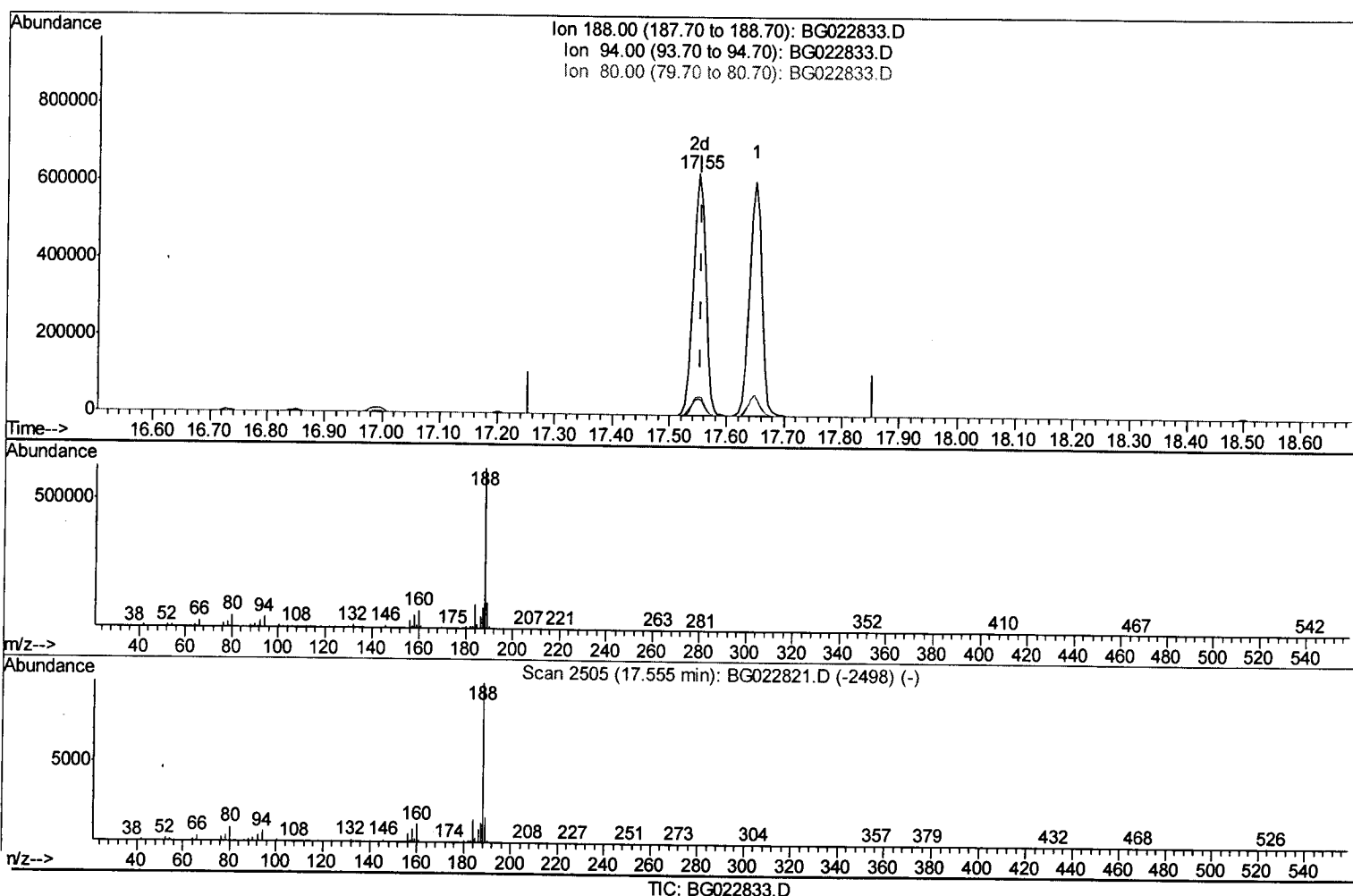
Data Path : Z:\HPCHEM1\BNA G\DATA\BG070316\
 Data File : BG022833.D
 Acq On : 3 Jul 2016 17:52
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02018

Manual Integration

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 umangi
 7/5/2016 7:55:17 PM

Quant Time: Jul 04 03:32:24 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
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(61) Phenanthrene-d10 (I)

17.550min (-0.005) 20.00ng/ul m

response 960643

Ion	Exp%	Act%
188.00	100	100
94.00	10.30	6.77#
80.00	10.90	7.89#
0.00	0.00	0.00

U.M
 07/03/16

Quantitation Report (Qedit)

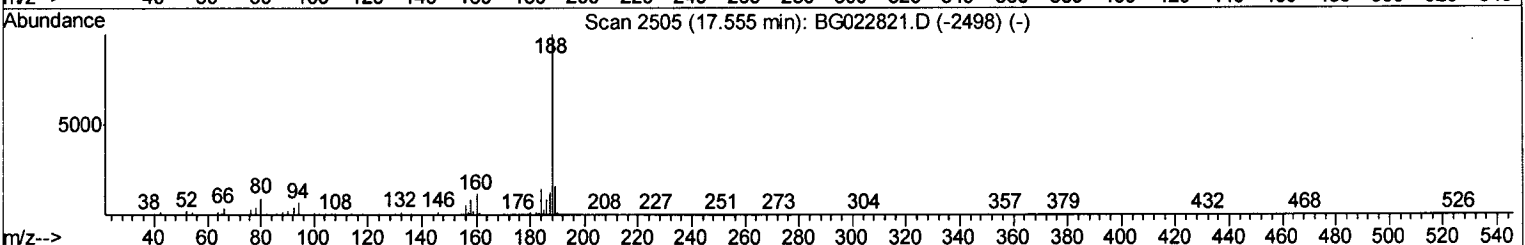
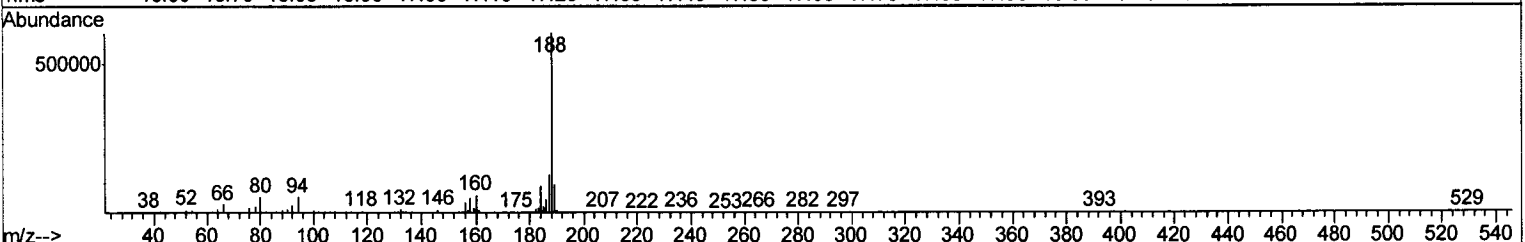
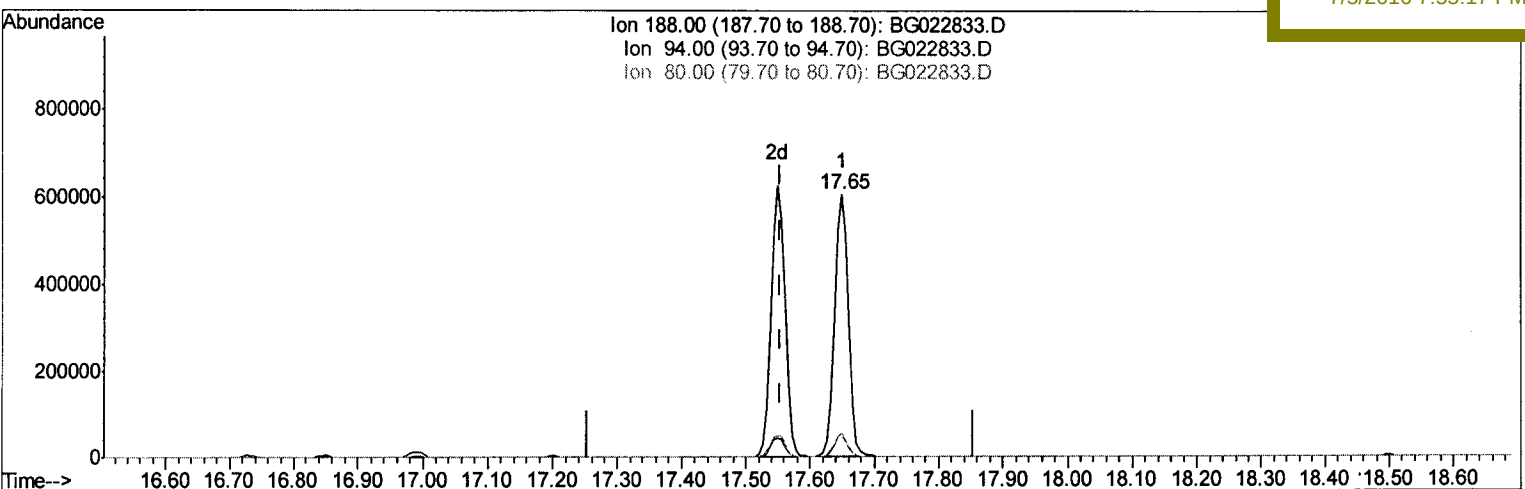
Data Path : Z:\HPCHEM1\BNA G\DATA\BG070316\
 Data File : BG022833.D
 Acq On : 3 Jul 2016 17:52
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02018

Quant Time: Jul 04 03:32:24 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 04 03:30:19 2016
 Response via : Initial Calibration

Manual Integration

umangi
 7/5/2016 7:55:17 PM



TIC: BG022833.D

(61) Phenanthrene-d10 (I)

17.649min (+0.095) 20.00ng/ul

response 908105

Ion	Exp%	Act%
188.00	100	100
94.00	10.30	8.76
80.00	10.90	8.84
0.00	0.00	0.00

Quantitation Report (Qedit)

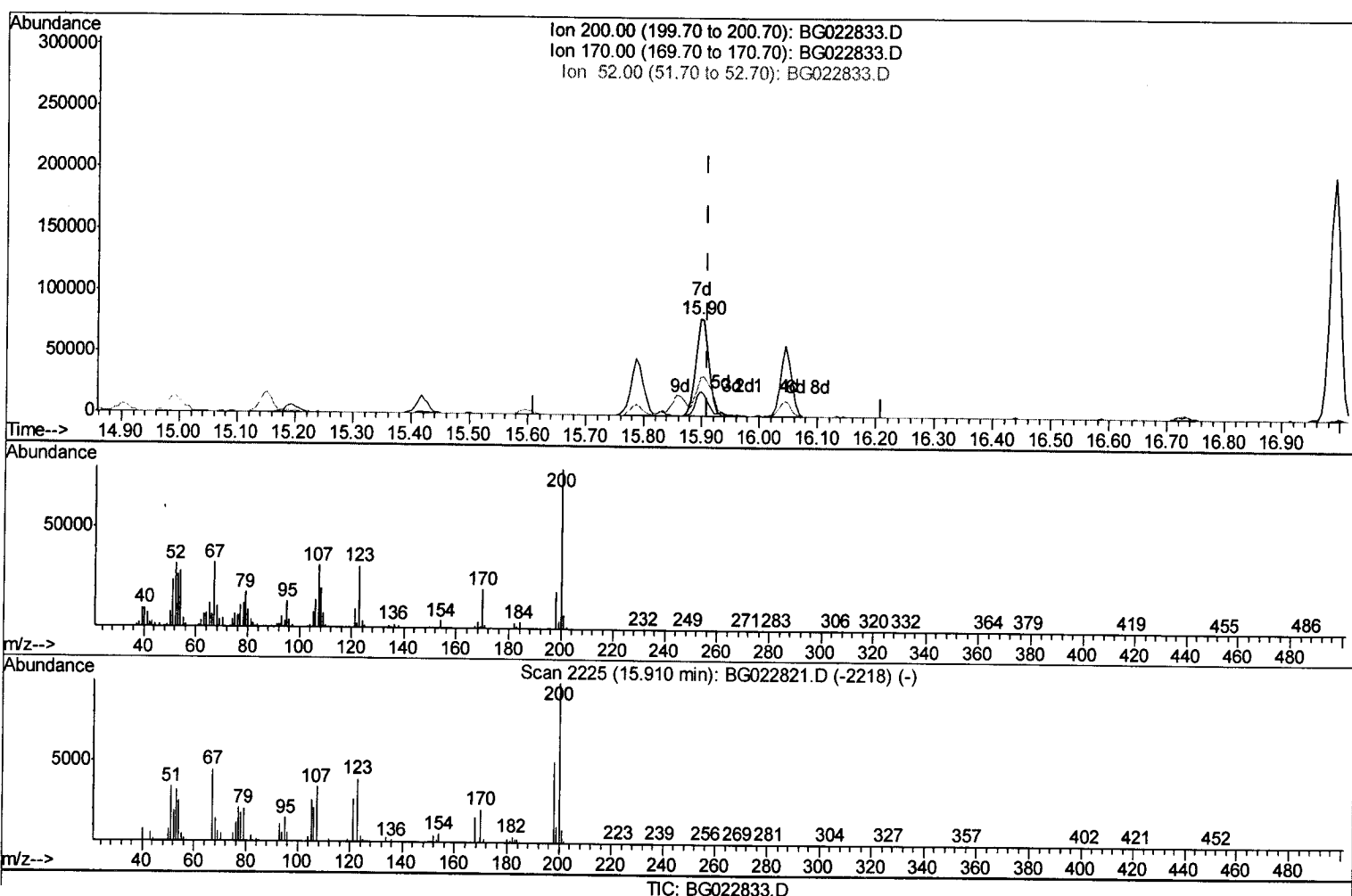
Data Path : Z:\HPCHEM1\BNA G\DATA\BG070316\
 Data File : BG022833.D
 Acq On : 3 Jul 2016 17:52
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02018

Manual Integration

Quant Time: Jul 04 04:13:32 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 04 03:30:19 2016
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APPROVED
 umangi
 7/5/2016 7:55:17 PM



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

15.899min (-0.011) 19.90ng/ul m

response 122927

Ion	Exp%	Act%
200.00	100	100
170.00	15.20	24.63#
52.00	32.20	39.82#
0.00	0.00	0.00

Quantitation Report (Qedit)

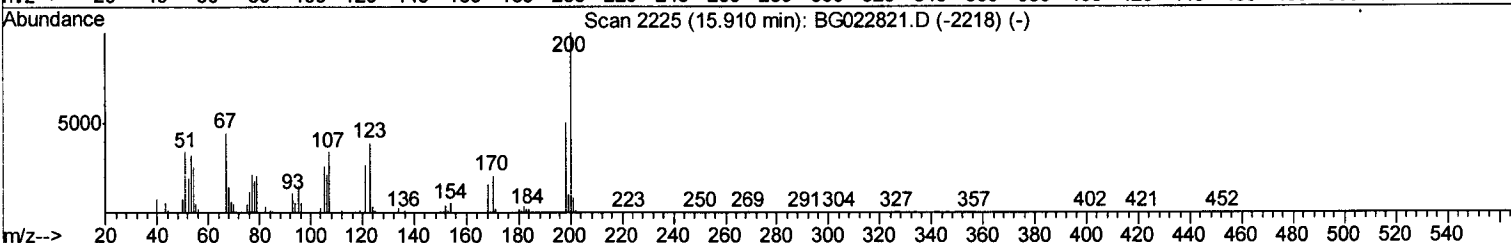
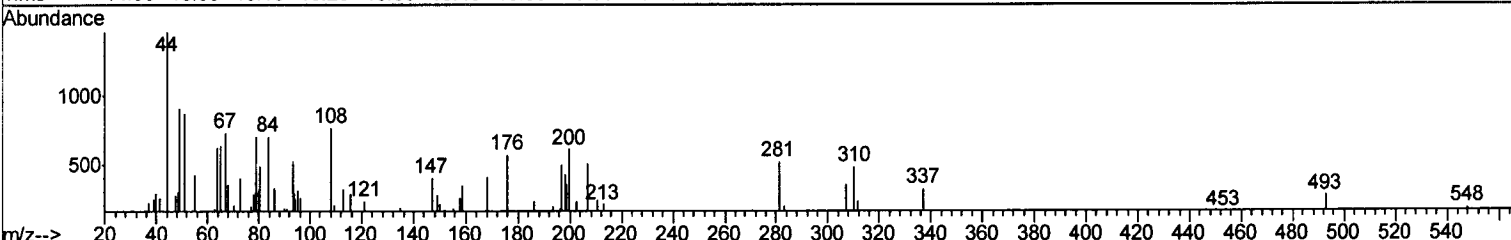
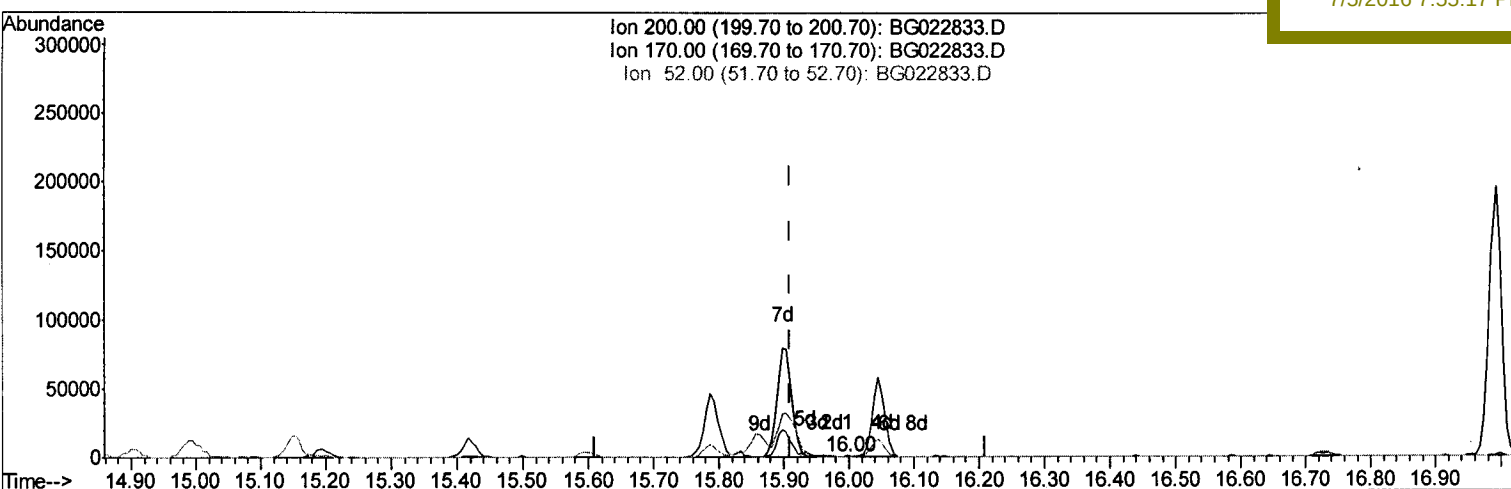
Data Path : Z:\HPCHEM1\BNA G\DATA\BG070316\
 Data File : BG022833.D
 Acq On : 3 Jul 2016 17:52
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02018

Quant Time: Jul 04 04:13:32 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
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Manual Integration

APPROVED
 umangi
 7/5/2016 7:55:17 PM



TIC: BG022833.D

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

15.998min (+0.089) 0.06ng/ul

response 345

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

Quantitation Report (Qedit)

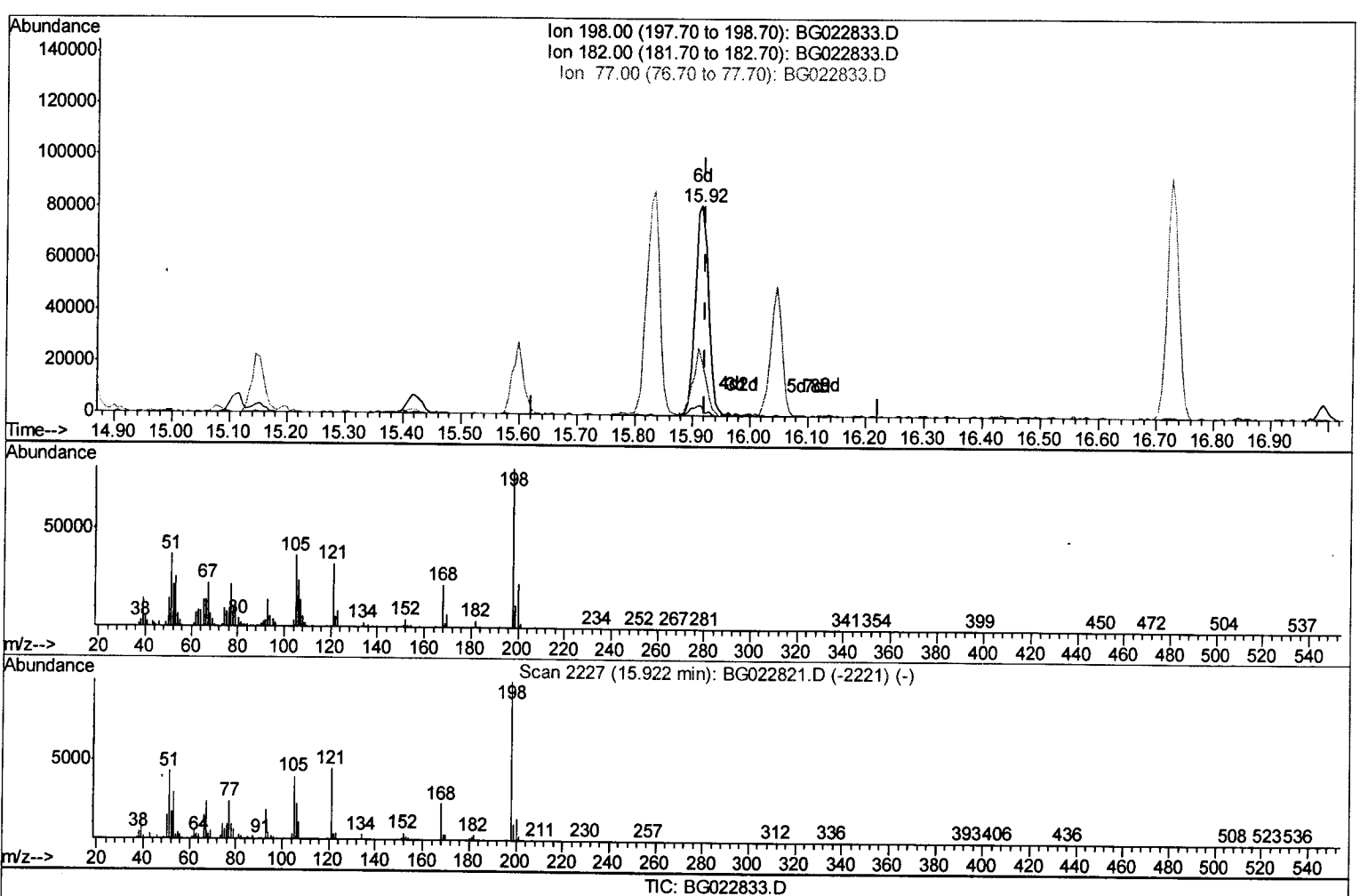
Data Path : Z:\HPCHEM1\BNA G\DATA\BG070316\
 Data File : BG022833.D
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 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
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Manual Integration

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 Response via : Initial Calibration

umangi
 7/5/2016 7:55:17 PM



(63) 4,6-Dinitro-2-methylphenol

15.916min (-0.005) 19.41ng/ul m

response 127126

Ion	Exp%	Act%
198.00	100	100
182.00	5.20	4.57
77.00	20.90	26.81#
0.00	0.00	0.00

U.M
 07/09/16

Quantitation Report (Qedit)

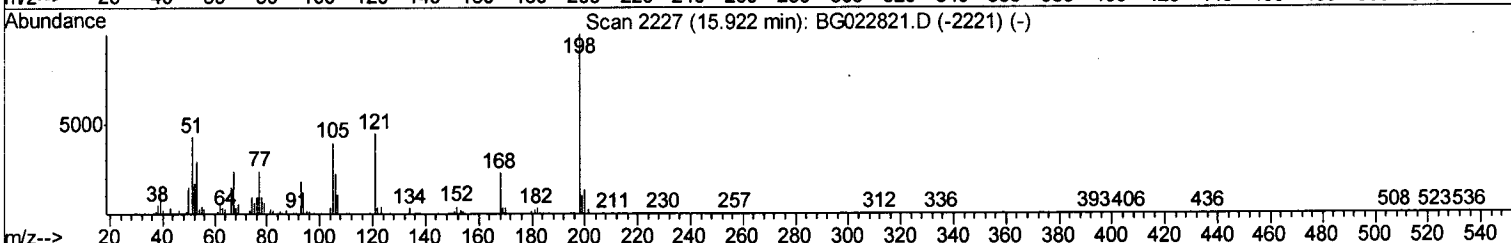
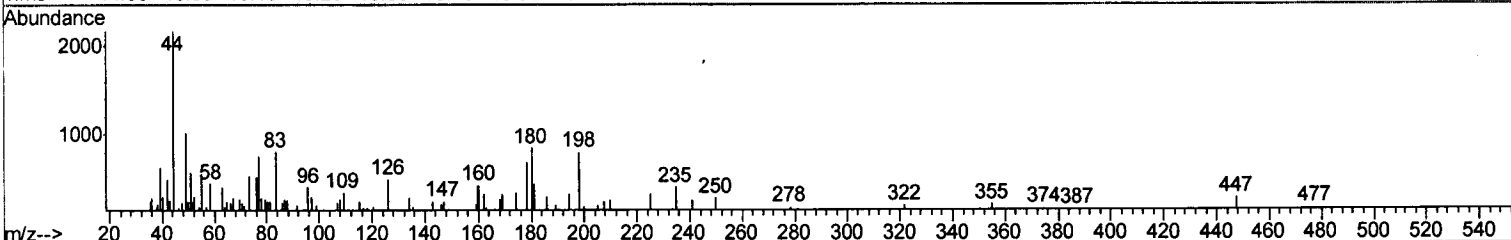
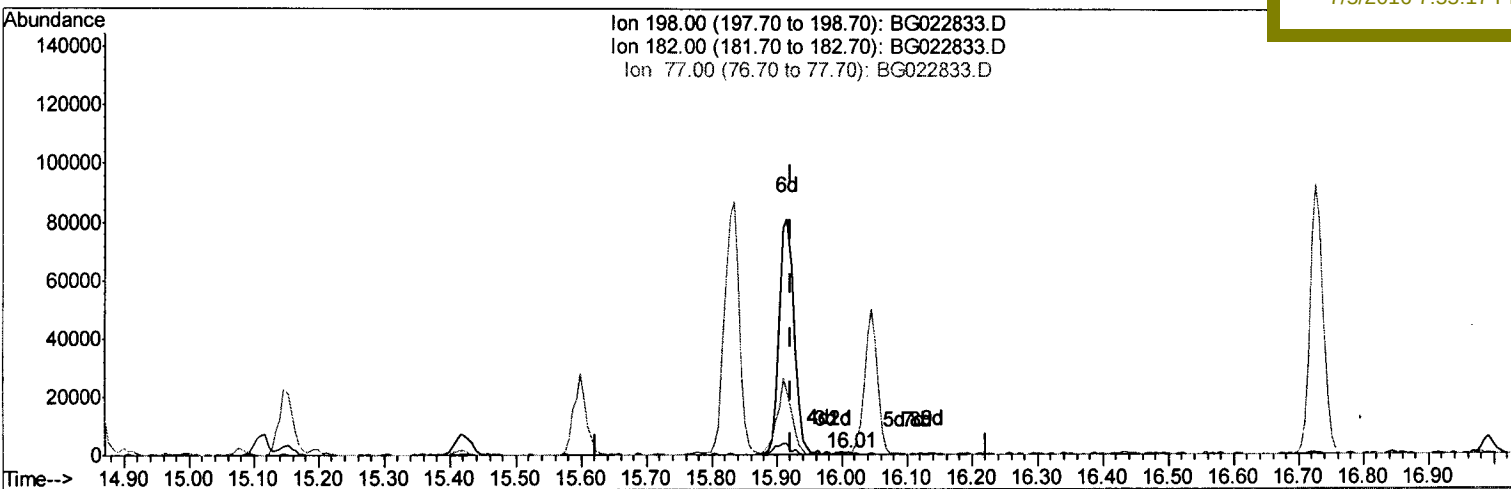
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 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 LabSampleId :
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Manual Integration

umangi
 7/5/2016 7:55:17 PM



TIC: BG022833.D

(63) 4,6-Dinitro-2-methylphenol

16.010min (+0.089) 0.07ng/ul

response 460

Ion	Exp%	Act%
198.00	100	100
182.00	5.20	0.00#
77.00	20.90	94.15#
0.00	0.00	0.00

Quantitation Report (Qedit)

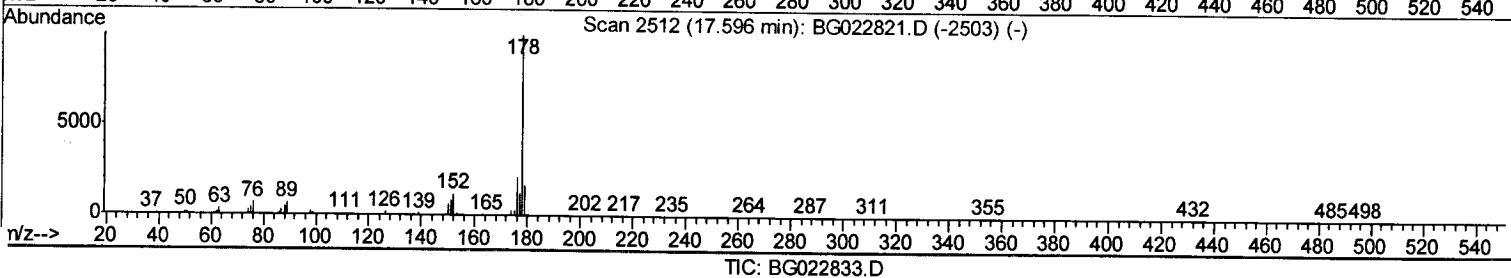
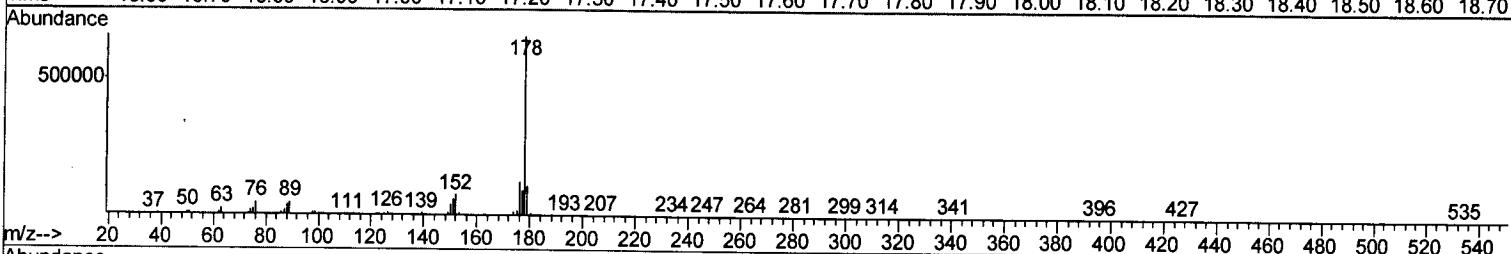
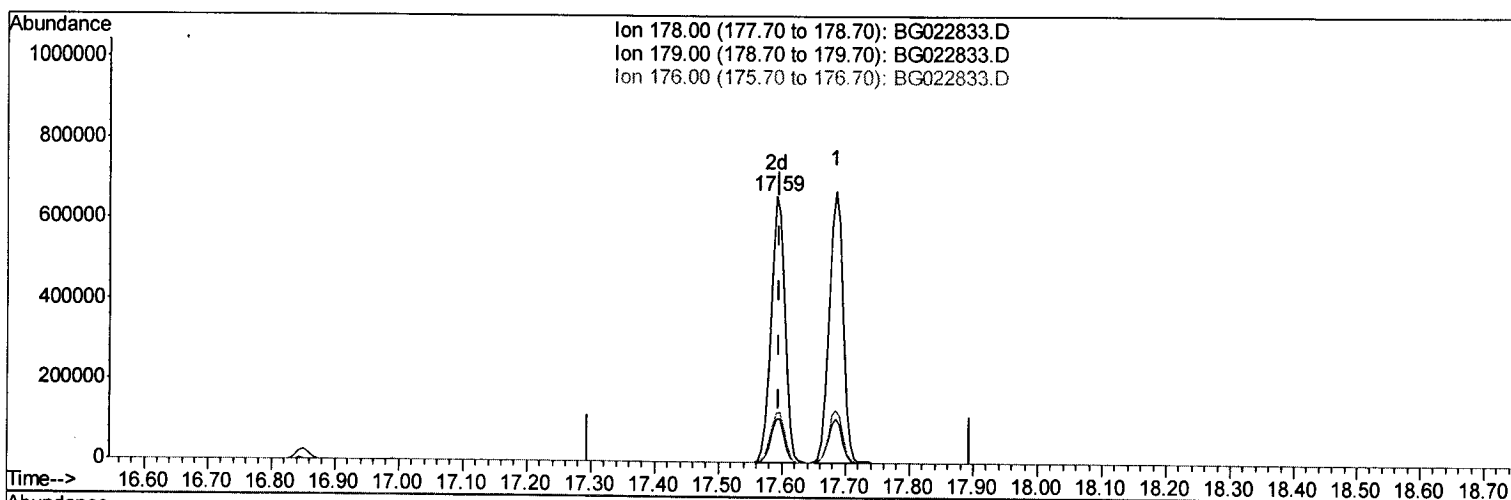
Data Path : Z:\HPCHEM1\BNA G\DATA\BG070316\
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 Operator : UM/SJ
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 LabSampleId :
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Manual Integration

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 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration

umangi
 7/5/2016 7:55:17 PM



TIC: BG022833.D

(69) Phenanthrene

17.591min (-0.005) 20.79ng/ul m *U.M*
07/09/16
 response 1021795

Ion	Exp%	Act%
178.00	100	100
179.00	16.10	16.16
176.00	19.80	18.70
0.00	0.00	0.00

Quantitation Report (Qedit)

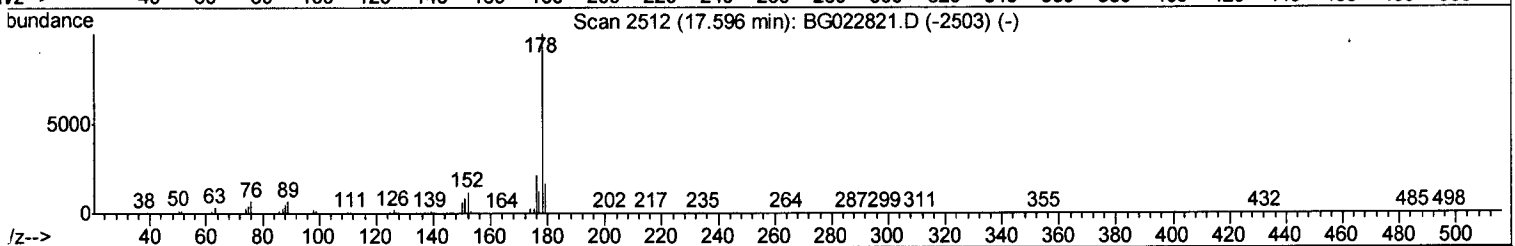
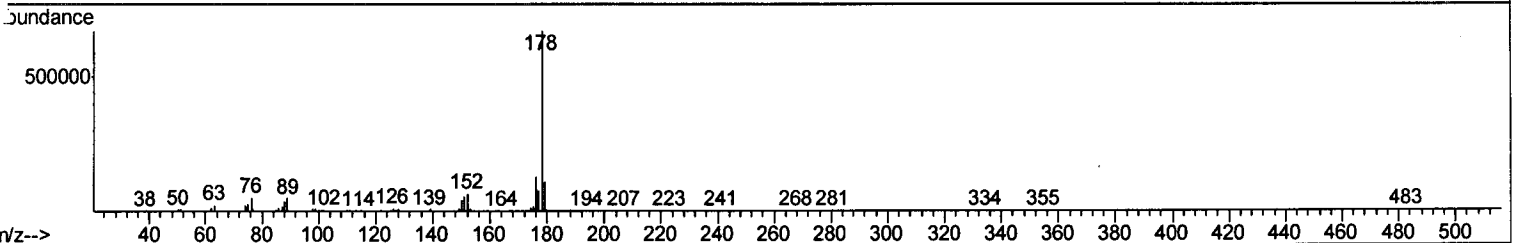
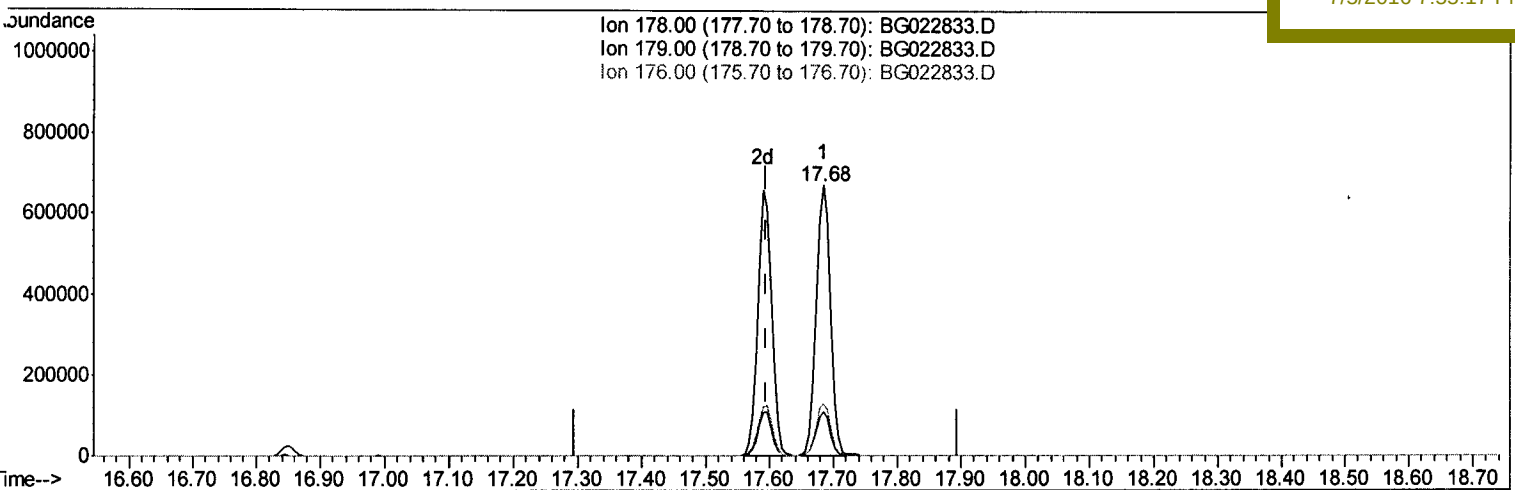
Data Path : Z:\HPCHEM1\BNA G\DATA\BG070316\
Data File : BG022833.D
Acq On : 3 Jul 2016 17:52
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02018

Manual Integration

umangi
7/5/2016 7:55:17 PM

Quant Time: Jul 04 04:13:32 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 04 03:30:19 2016
Response via : Initial Calibration



TIC: BG022833.D

(69) Phenanthrene

17.685min (+0.089) 21.39ng/ul

response 1051088

Ion	Exp%	Act%
178.00	100	100
179.00	16.10	16.59
176.00	19.80	19.42
0.00	0.00	0.00

Quantitation Report (Qedit)

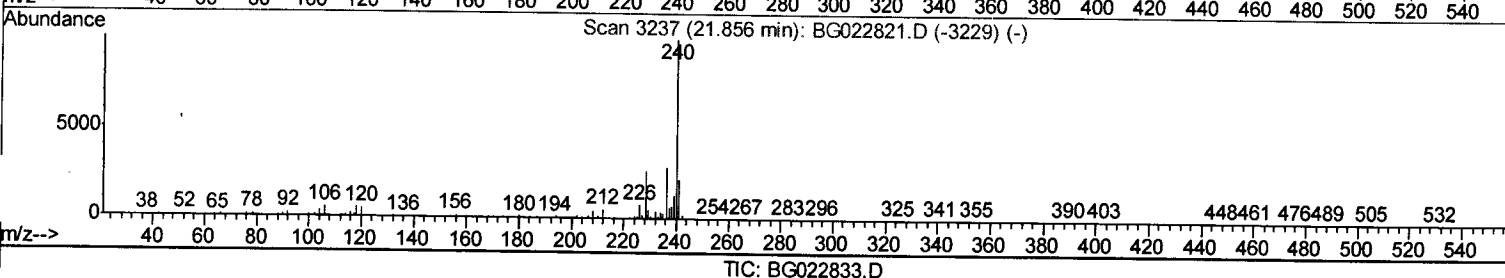
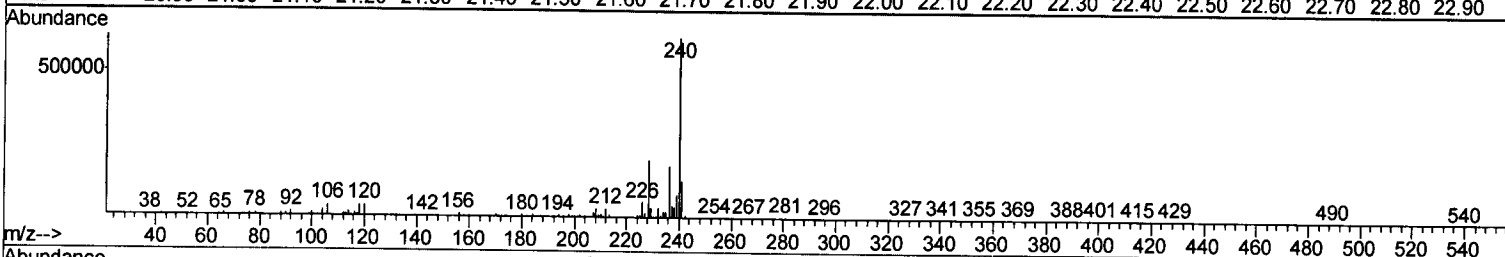
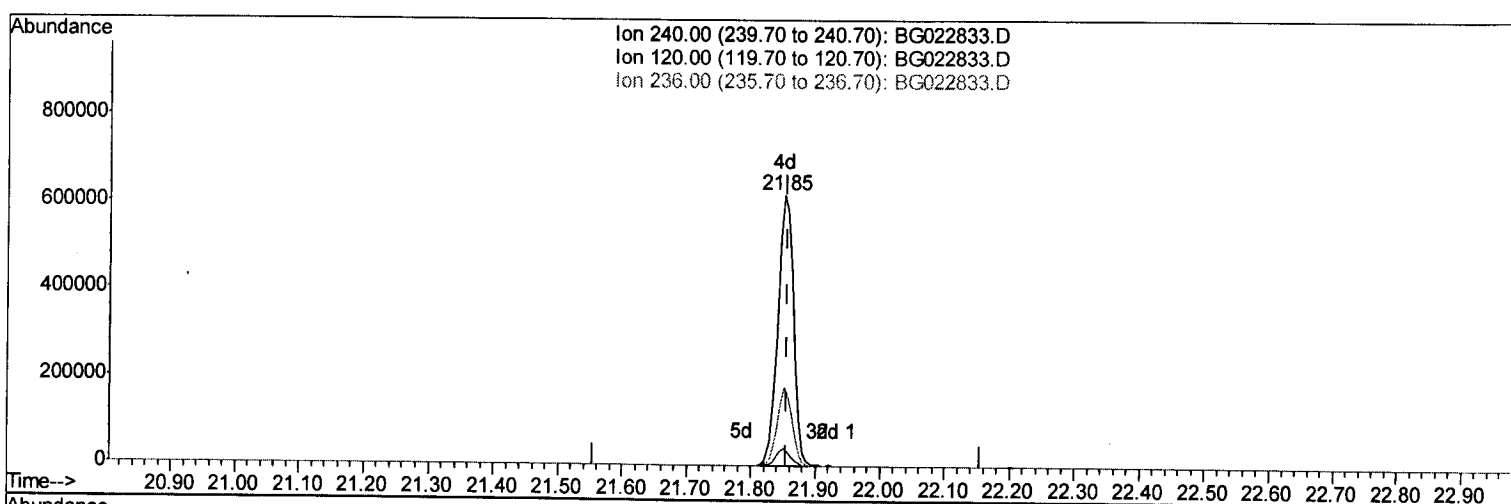
Data Path : Z:\HPCHEM1\BNA G\DATA\BG070316\
 Data File : BG022833.D
 Acq On : 3 Jul 2016 17:52
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02018

Manual Integration

umangi
 7/5/2016 7:55:17 PM

Quant Time: Jul 04 04:13:32 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 04 03:30:19 2016
 Response via : Initial Calibration



TIC: BG022833.D

(75) Chrysene-d12 (I)

21.850min (-0.005) 20.00ng/ul m

response 1078078

Ion	Exp%	Act%
240.00	100	100
120.00	14.40	6.23#
236.00	26.10	28.94
0.00	0.00	0.00

U.M
 07/09/16

Quantitation Report (Qedit)

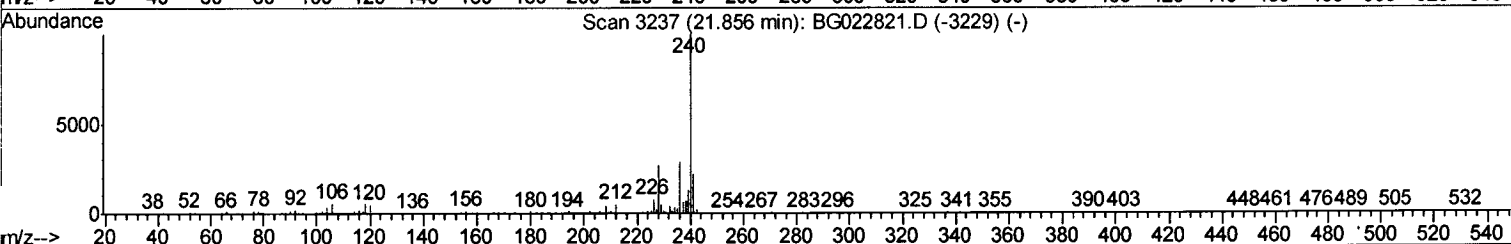
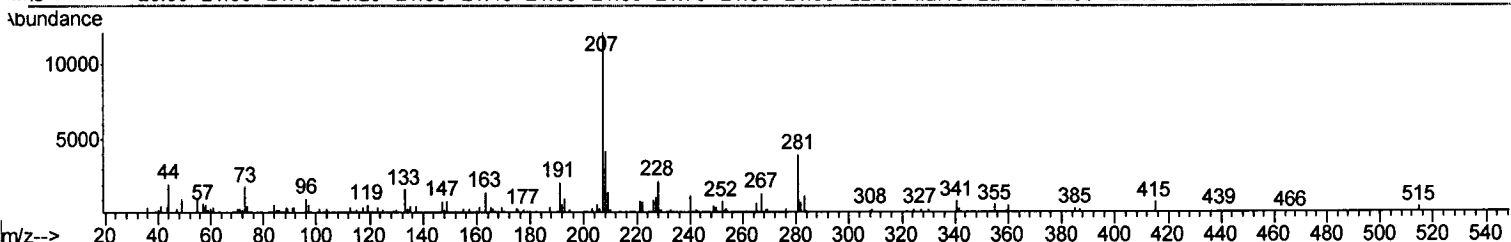
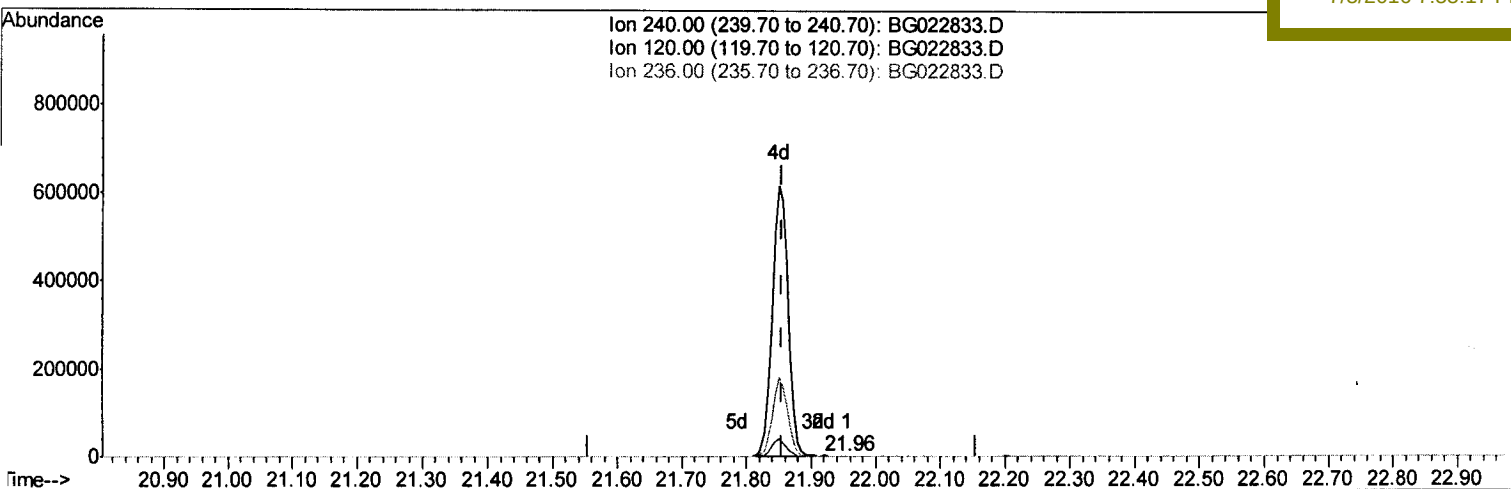
Data Path : Z:\HPCHEM1\BNA G\DATA\BG070316\
Data File : BG022833.D
Acq On : 3 Jul 2016 17:52
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02018

Quant Time: Jul 04 04:13:32 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 04 03:30:19 2016
Response via : Initial Calibration

Manual Integration

umangi
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TIC: BG022833.D

(75) Chrysene-d12 (I)

21.956min (+0.100) 20.00ng/ul

response 1242

Ion	Exp%	Act%
240.00	100	100
120.00	14.40	0.00#
236.00	26.10	19.04#
0.00	0.00	0.00

Quantitation Report (Qedit)

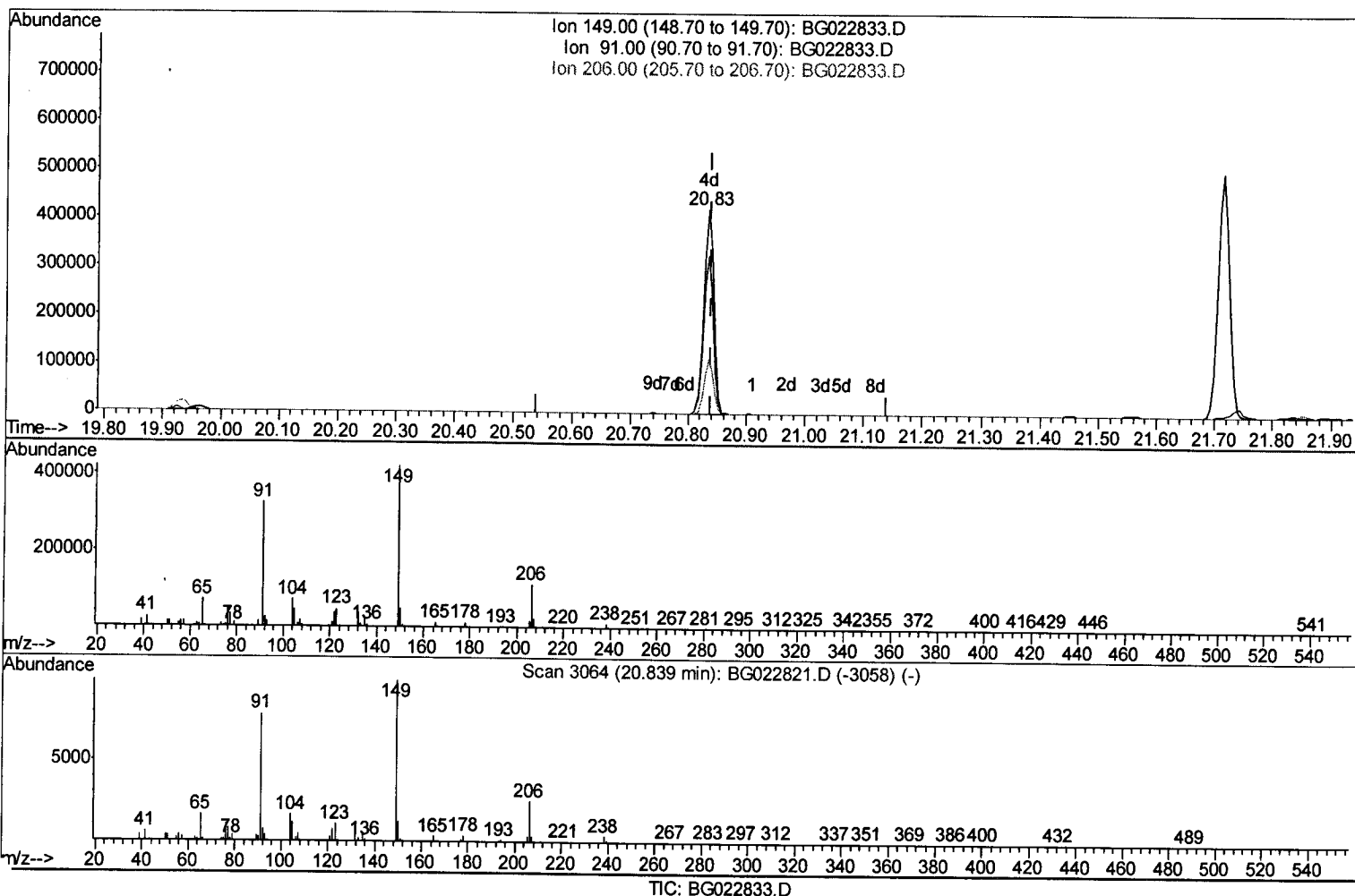
Data Path : Z:\HPCHEM1\BNA G\DATA\BG070316\
 Data File : BG022833.D
 Acq On : 3 Jul 2016 17:52
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA G
 LabSampleId :
 SSTD02018

Manual Integration

Quant Time: Jul 04 04:14:44 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 04 03:30:19 2016
 Response via : Initial Calibration

APPROVED
 umangi
 7/5/2016 7:55:17 PM



(78) Butylbenzylphthalate

20.834min (-0.005) 21.80ng/ul m

response 510183

Ion	Exp%	Act%
149.00	100	100
91.00	67.80	77.36
206.00	17.60	26.99#
0.00	0.00	0.00

U.M
 07/09/16

Quantitation Report (Qedit)

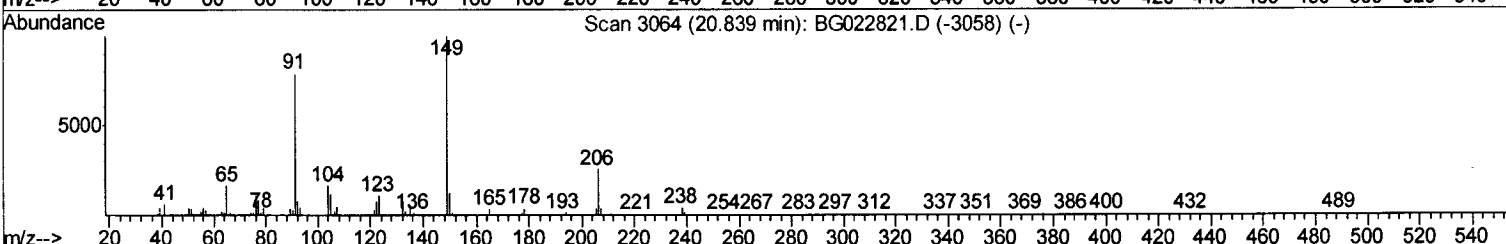
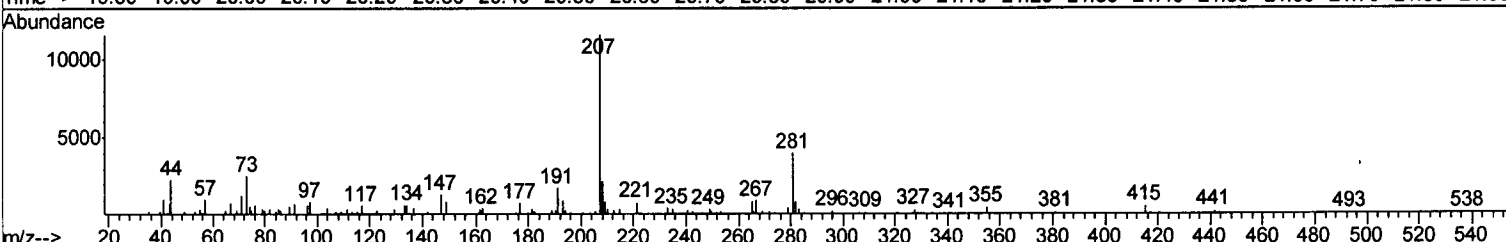
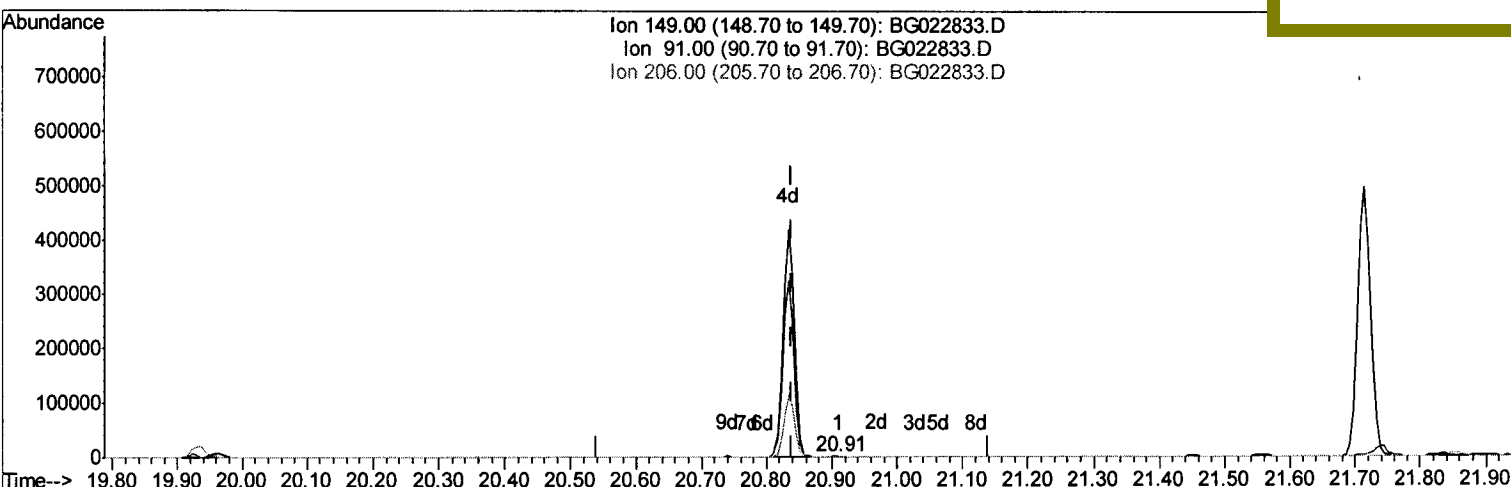
Data Path : Z:\HPCHEM1\BNA G\DATA\BG070316\
 Data File : BG022833.D
 Acq On : 3 Jul 2016 17:52
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02018

Quant Time: Jul 04 04:14:44 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 04 03:30:19 2016
 Response via : Initial Calibration

Manual Integration

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TIC: BG022833.D

(78) Butylbenzylphthalate

20.910min (+0.071) 0.07ng/ul

response 1644

Ion	Exp%	Act%
149.00	100	100
91.00	67.80	87.40#
206.00	17.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

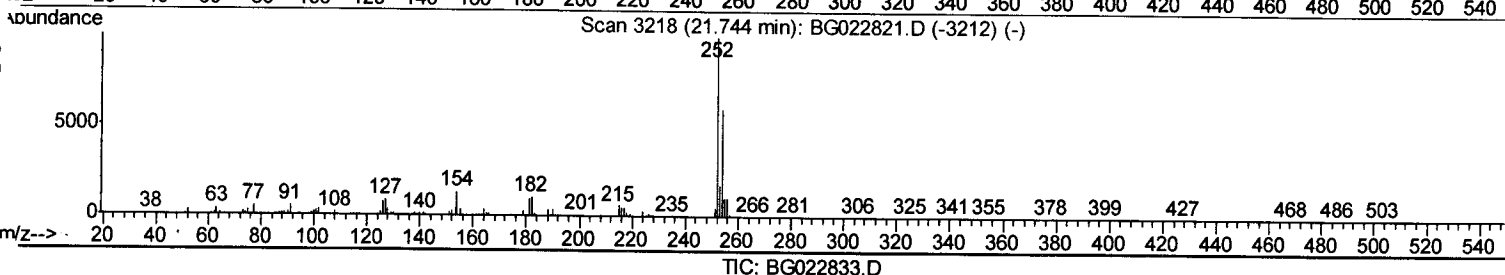
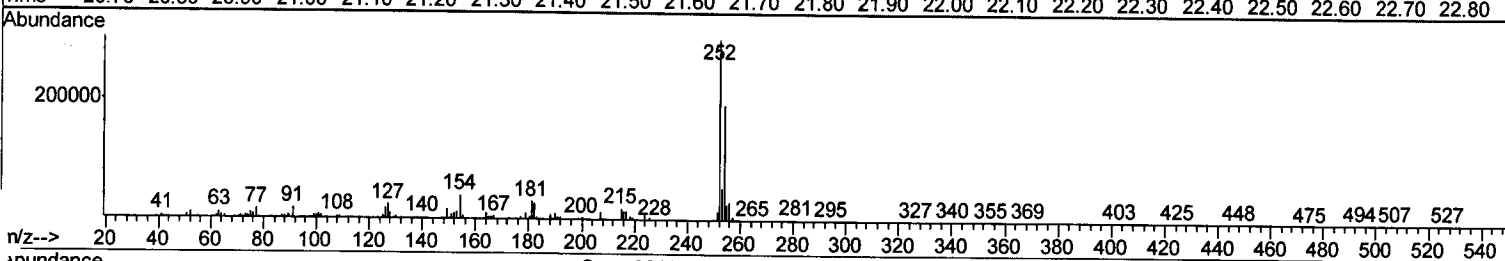
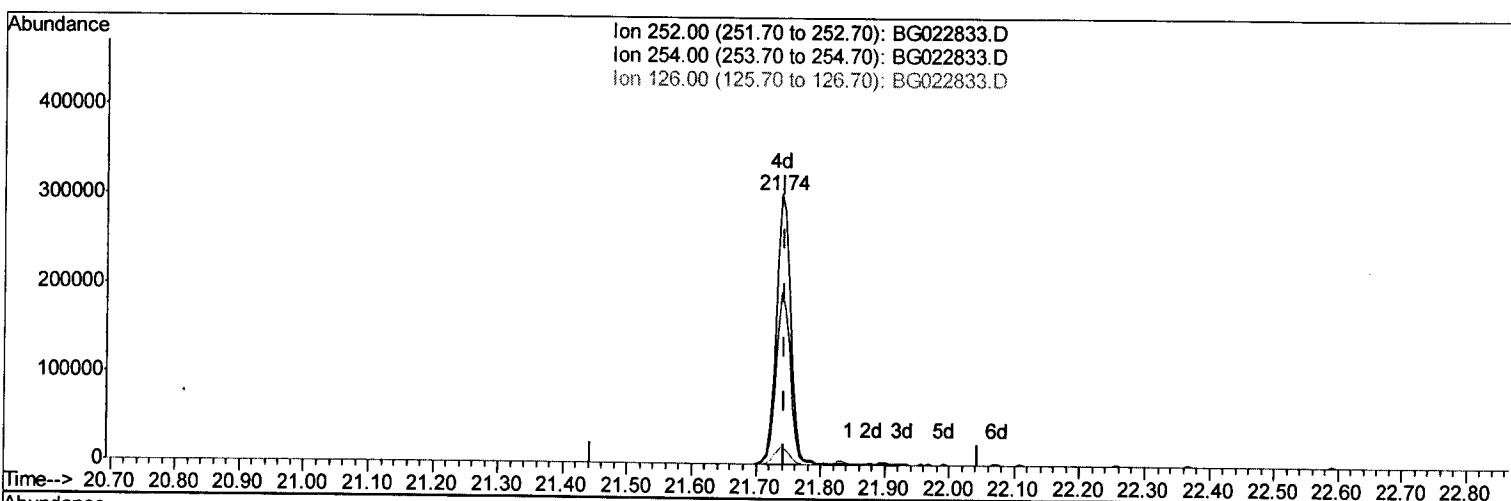
Data Path : Z:\HPCHEM1\BNA G\DATA\BG070316\
 Data File : BG022833.D
 Acq On : 3 Jul 2016 17:52
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02018

Manual Integration

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Quant Time: Jul 04 04:14:44 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 04 03:30:19 2016
 Response via : Initial Calibration



TIC: BG022833.D

(79) 3,3'-Dichlorobenzidine

21.739min (-0.005) 23.53ng/ul m U.M

response 480388

07/09/16

Ion	Exp%	Act%
252.00	100	100
254.00	64.30	63.70
126.00	13.40	6.22#
0.00	0.00	0.00

Quantitation Report (Qedit)

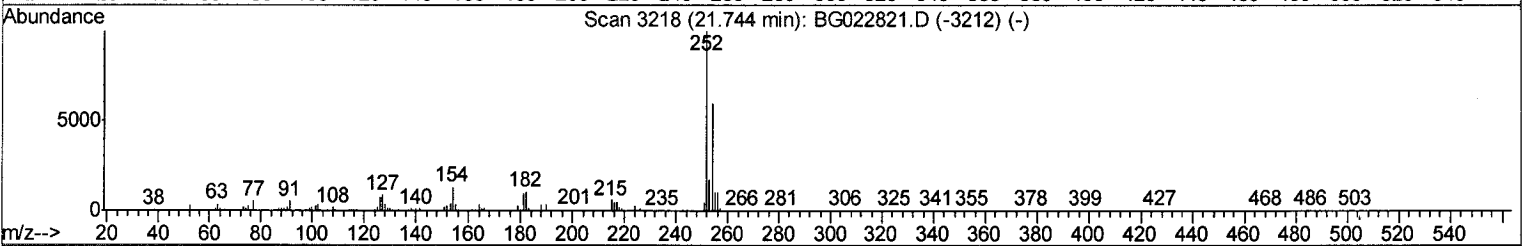
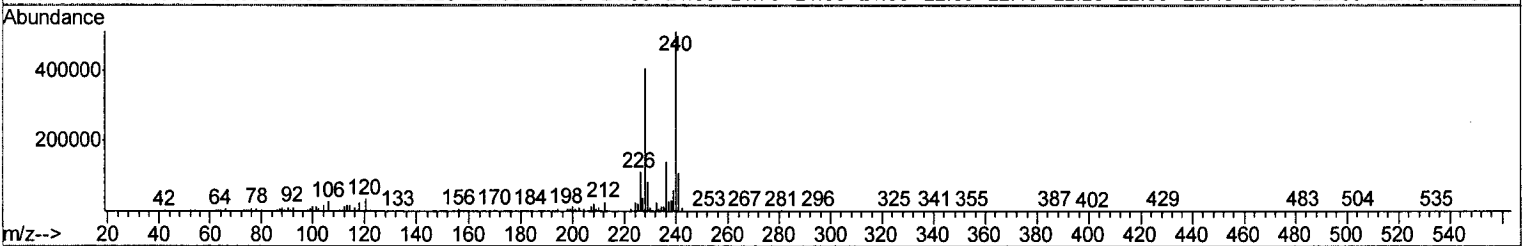
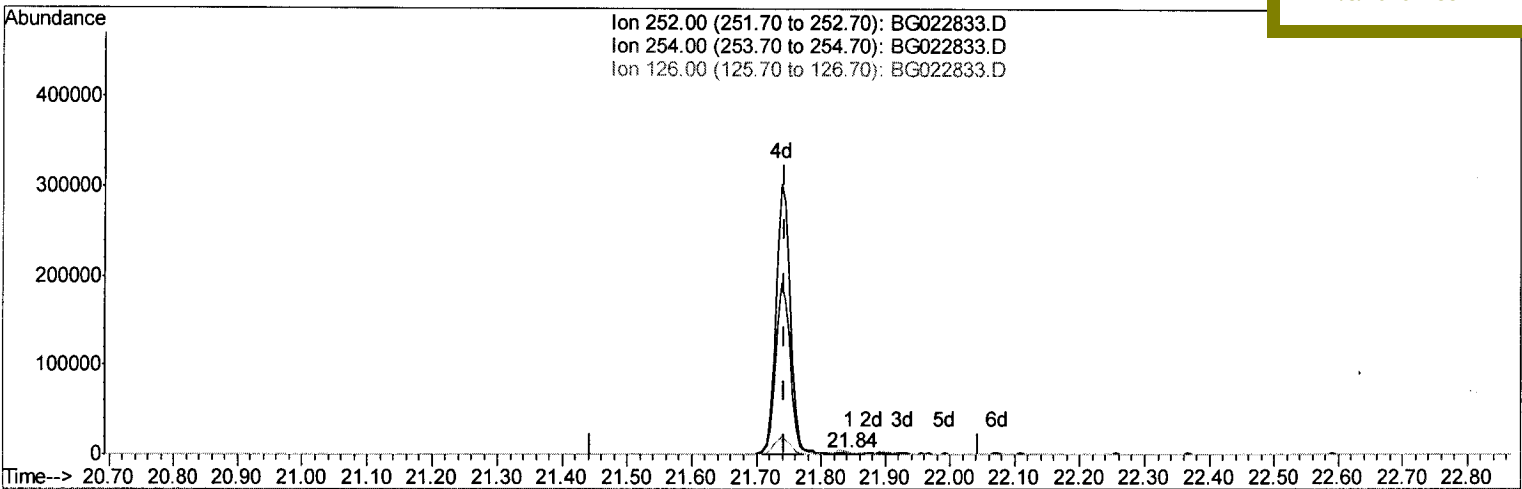
Data Path : Z:\HPCHEM1\BNA G\DATA\BG070316\
 Data File : BG022833.D
 Acq On : 3 Jul 2016 17:52
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02018

Quant Time: Jul 04 04:14:44 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 04 03:30:19 2016
 Response via : Initial Calibration

Manual Integration

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TIC: BG022833.D

(79) 3,3'-Dichlorobenzidine

21.845min (+0.100) 0.06ng/ul

response 1229

Ion	Exp%	Act%
252.00	100	100
254.00	64.30	0.00#
126.00	13.40	129.21#
0.00	0.00	0.00

Quantitation Report (Qedit)

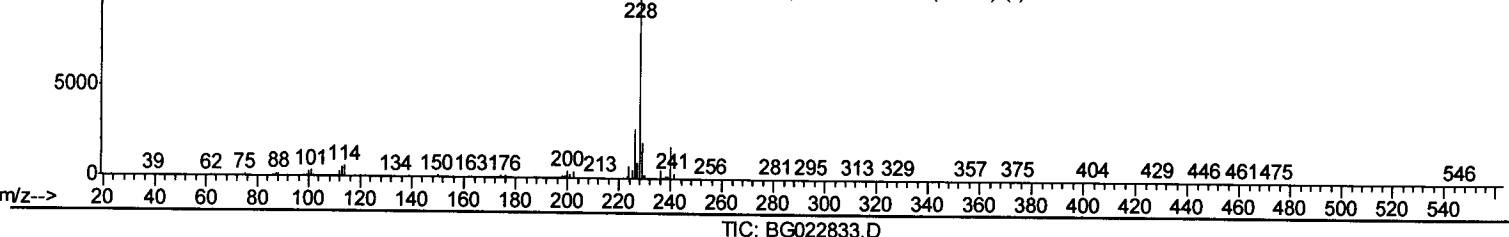
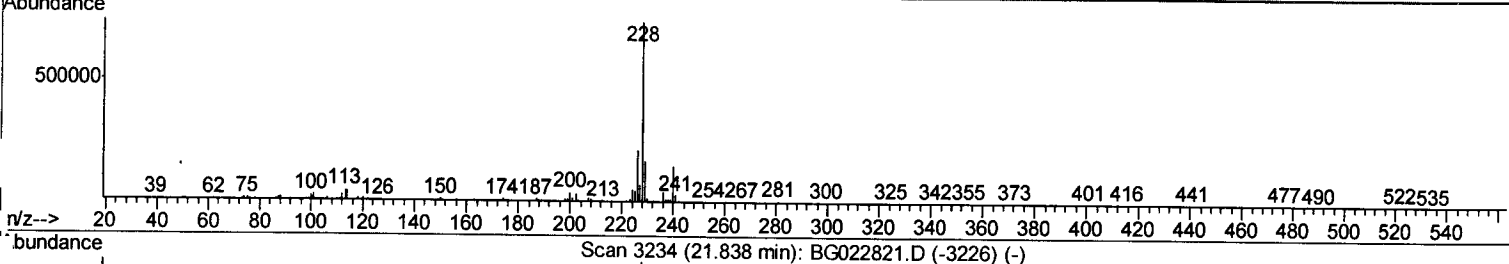
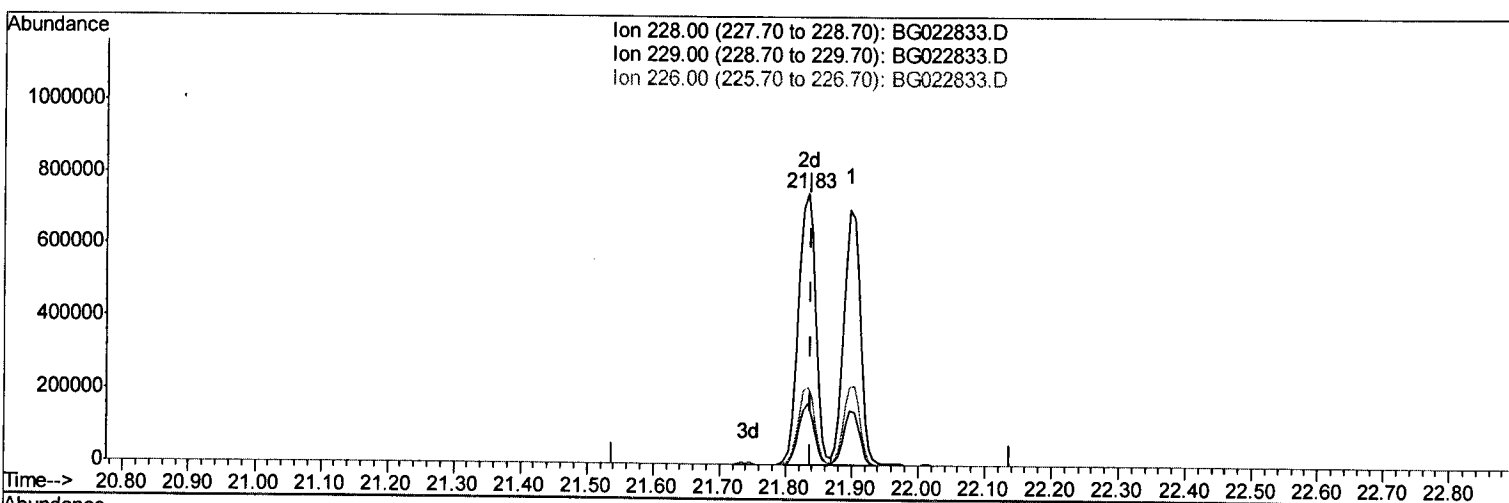
Data Path : Z:\HPCHEM1\BNA G\DATA\BG070316\
 Data File : BG022833.D
 Acq On : 3 Jul 2016 17:52
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02018

Manual Integration

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Quant Time: Jul 04 04:14:44 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 04 03:30:19 2016
 Response via : Initial Calibration



TIC: BG022833.D

(80) Benzo(a)anthracene

21.833min (-0.005) 21.24ng/ul m

response 1342870

Ion Exp% Act%

228.00 100 100

229.00 19.30 22.94

226.00 28.50 28.81

0.00 0.00 0.00

Quantitation Report (Qedit)

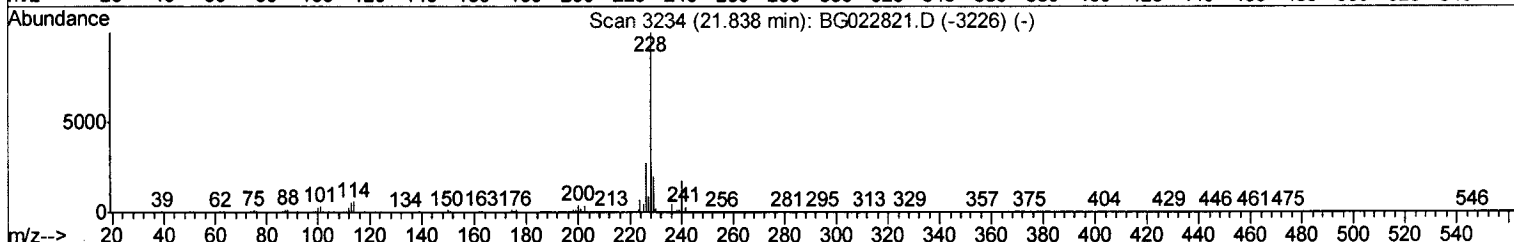
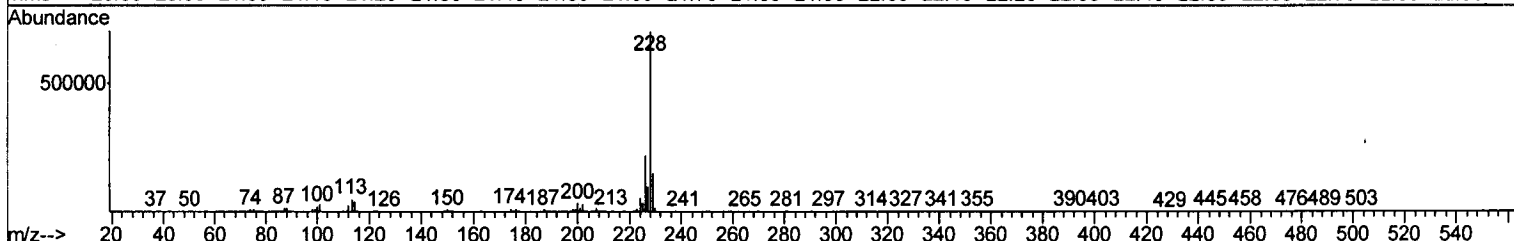
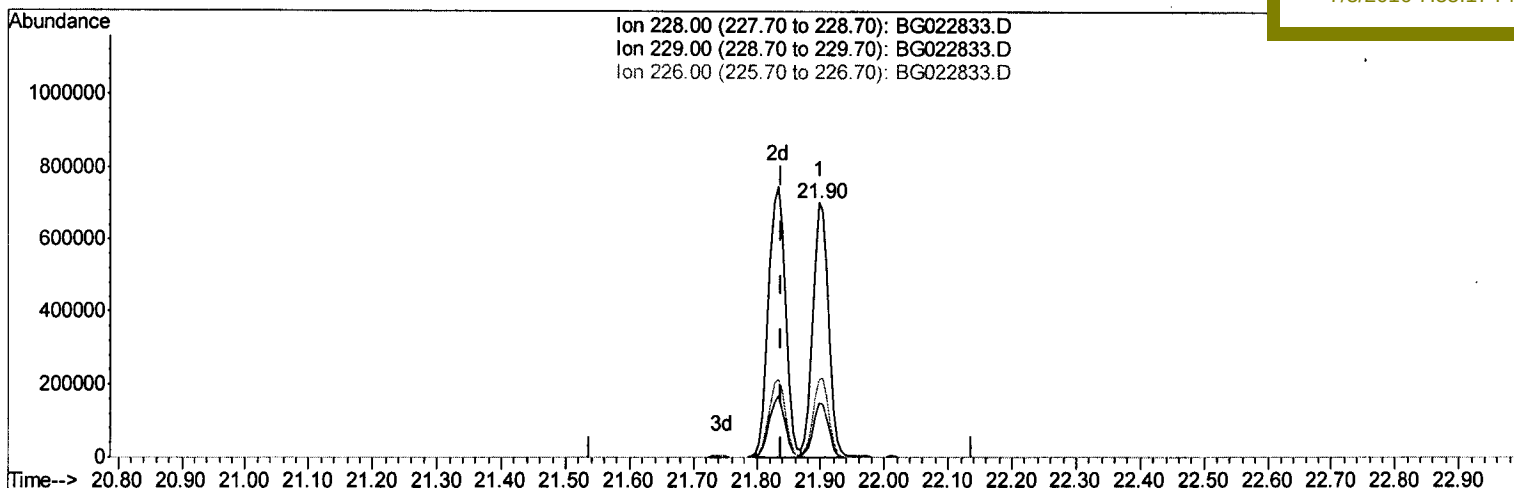
Data Path : Z:\HPCHEM1\BNA G\DATA\BG070316\
 Data File : BG022833.D
 Acq On : 3 Jul 2016 17:52
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02018

Quant Time: Jul 04 04:14:44 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 04 03:30:19 2016
 Response via : Initial Calibration

Manual Integration

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TIC: BG022833.D

(80) Benzo(a)anthracene

21.897min (+0.059) 19.08ng/ul

response 1206741

Ion	Exp%	Act%
228.00	100	100
229.00	19.30	21.15
226.00	28.50	30.57
0.00	0.00	0.00

Quantitation Report (Qedit)

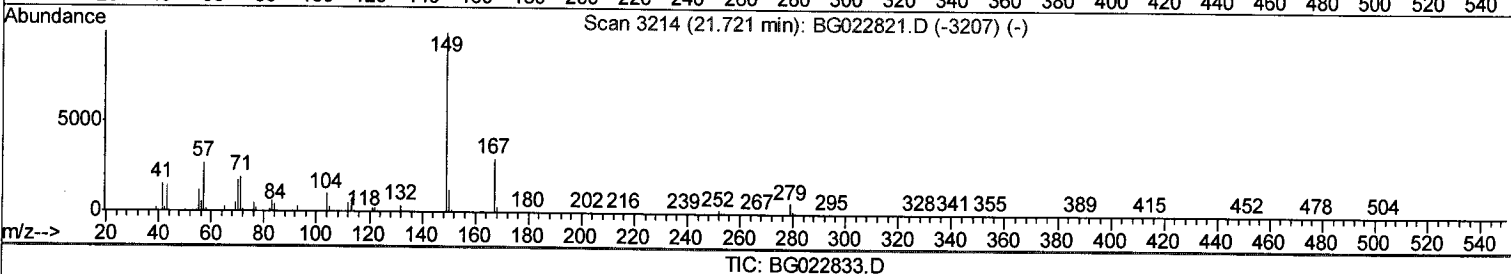
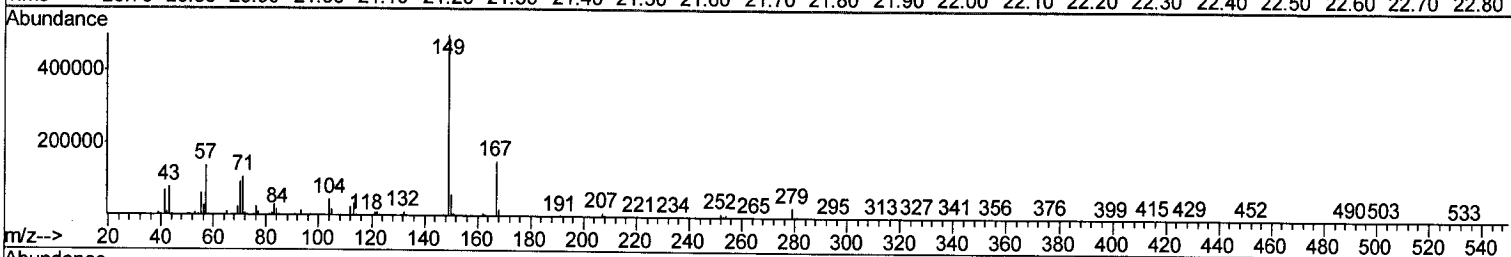
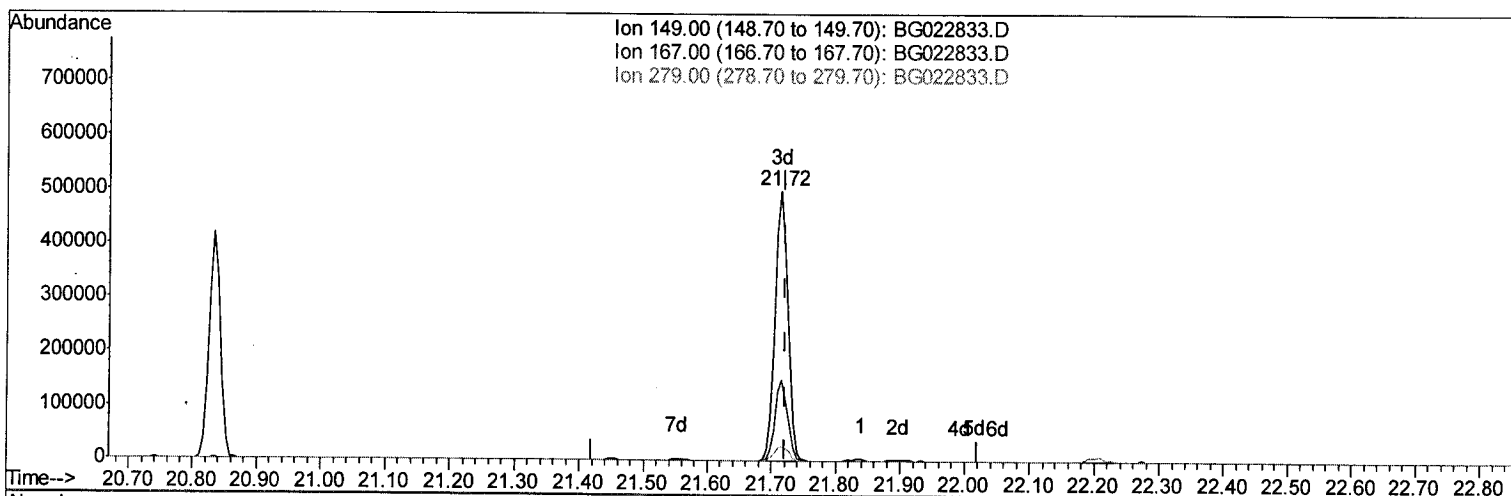
Data Path : Z:\HPCHEM1\BNA G\DATA\BG070316\
 Data File : BG022833.D
 Acq On : 3 Jul 2016 17:52
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02018

Manual Integration

Quant Time: Jul 04 04:14:44 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 04 03:30:19 2016
 Response via : Initial Calibration

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(81) Bis(2-ethylhexyl)phthalate

21.715min (-0.005) 22.45ng/ul m U.M

response 677945

Ion	Exp%	Act%
149.00	100	100
167.00	27.40	30.16
279.00	3.60	5.57#
0.00	0.00	0.00

07/09/16

Quantitation Report (Qedit)

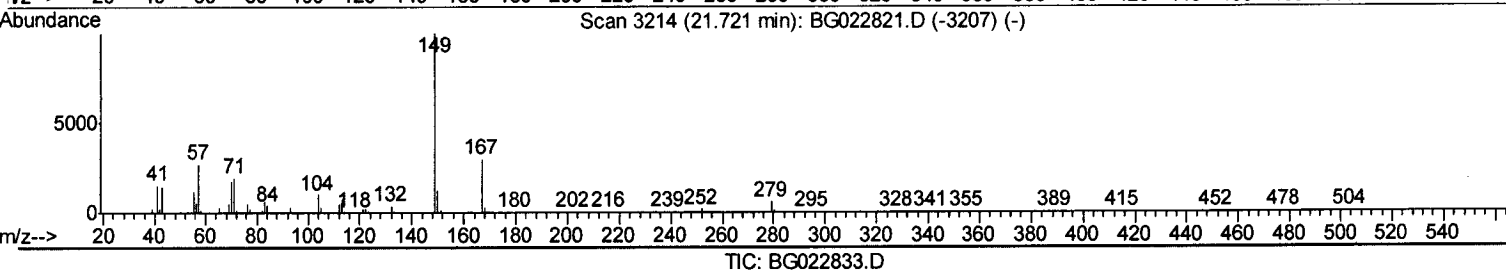
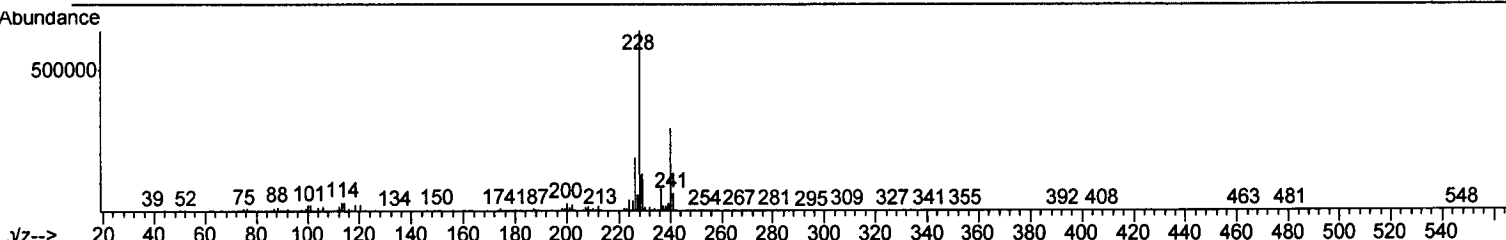
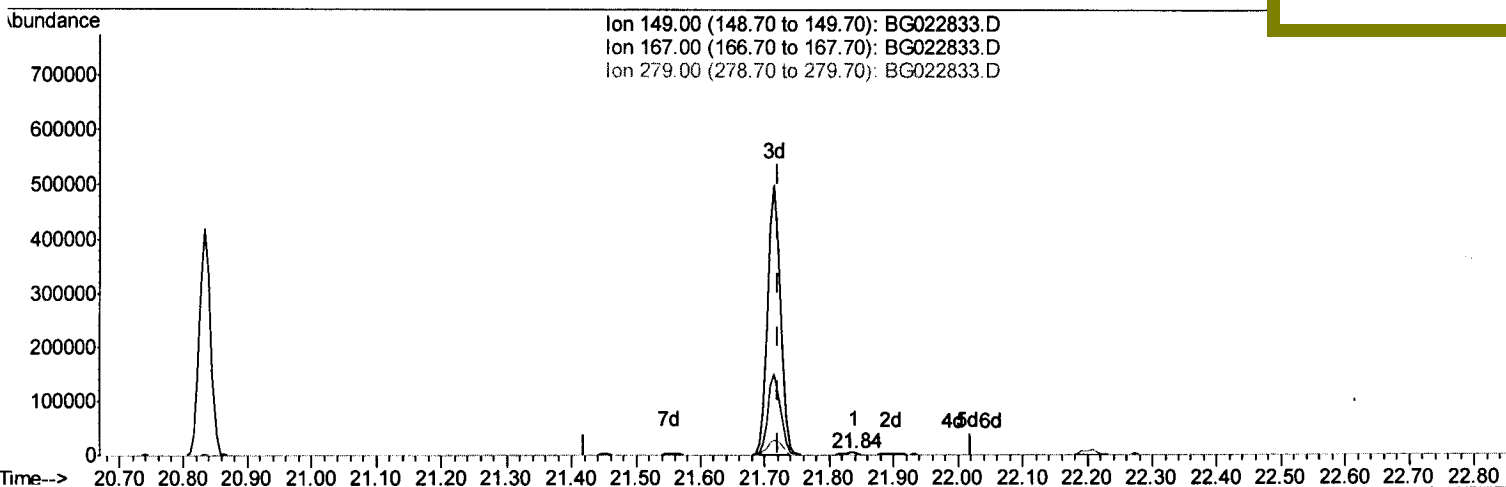
Data Path : Z:\HPCHEM1\BNA G\DATA\BG070316\
 Data File : BG022833.D
 Acq On : 3 Jul 2016 17:52
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02018

Quant Time: Jul 04 04:14:44 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 04 03:30:19 2016
 Response via : Initial Calibration

Manual Integration

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(81) Bis(2-ethylhexyl)phthalate

21.839min (+0.118) 0.17ng/ul

response 5184

Ion	Exp%	Act%
149.00	100	100
167.00	27.40	9.66#
279.00	3.60	12.21#
0.00	0.00	0.00

Quantitation Report (Qedit)

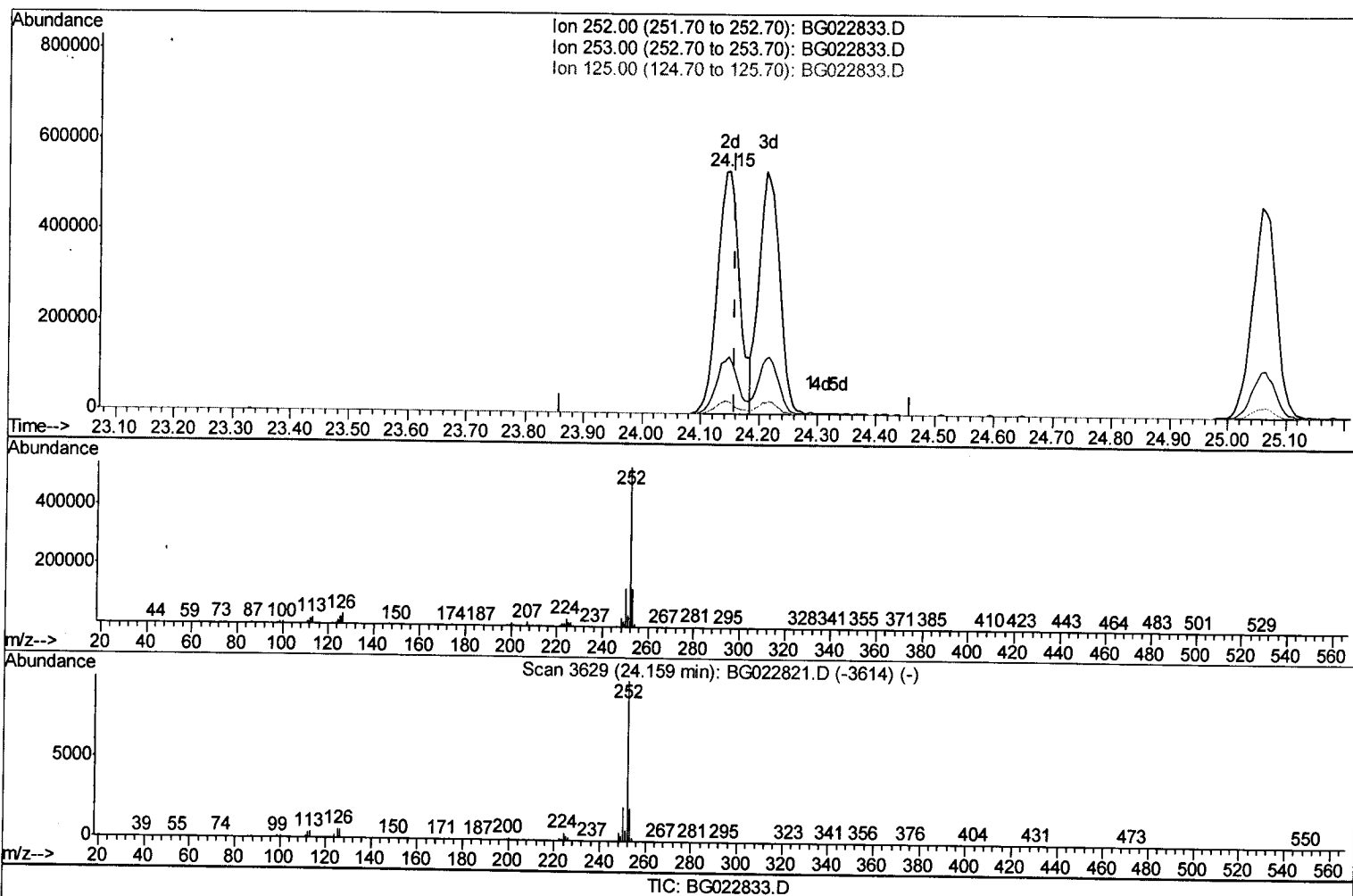
Data Path : Z:\HPCHEM1\BNA G\DATA\BG070316\
Data File : BG022833.D
Acq On : 3 Jul 2016 17:52
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02018

Manual Integration

Quant Time: Jul 04 04:14:44 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 04 03:30:19 2016
Response via : Initial Calibration

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(85) Benzo(b)fluoranthene

24.148min (-0.011) 20.30ng/ul m

response 1395926

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	23.86
125.00	13.50	5.14#
0.00	0.00	0.00

Quantitation Report (Qedit)

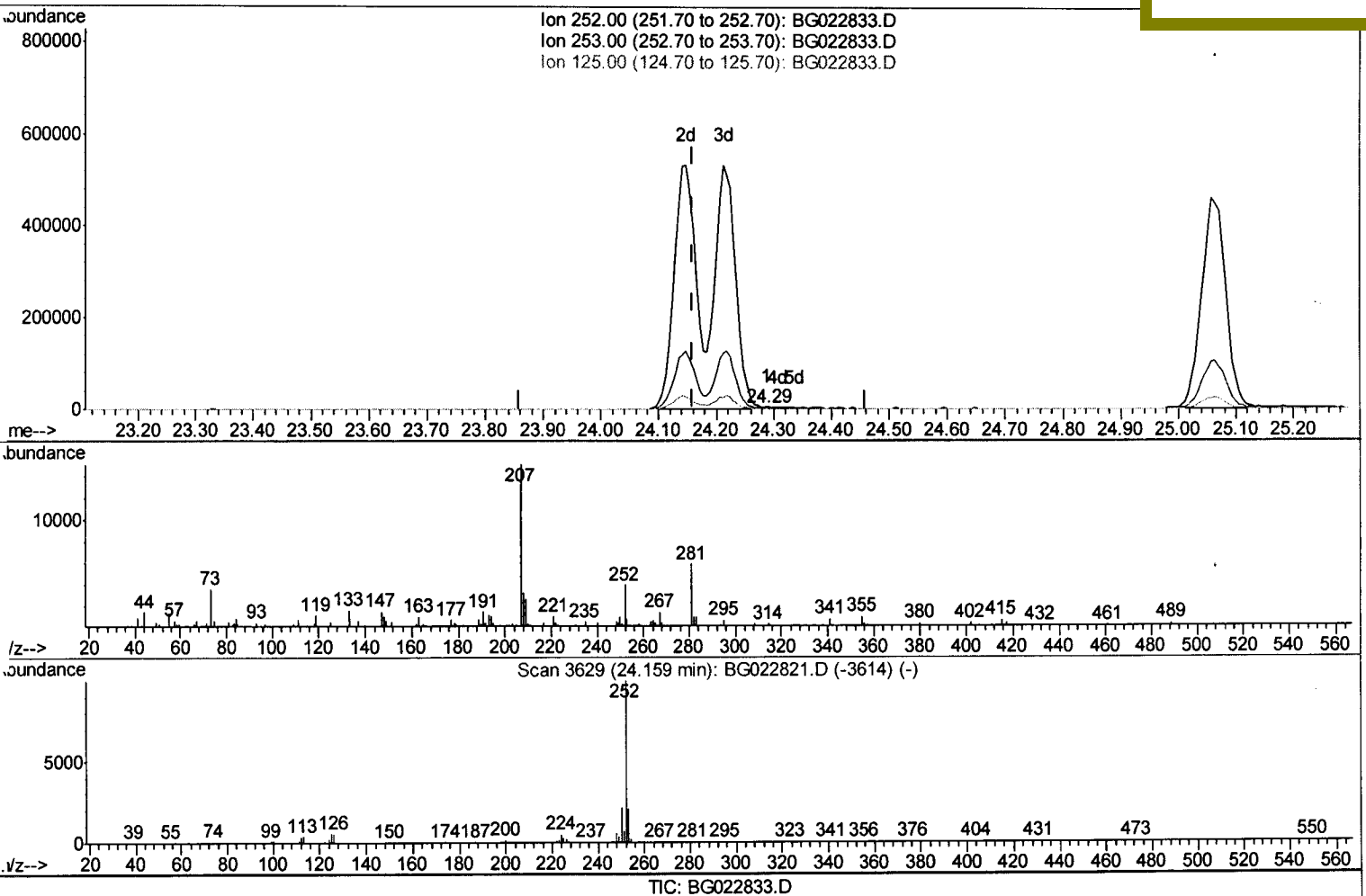
Data Path : Z:\HPCHEM1\BNA G\DATA\BG070316\
Data File : BG022833.D
Acq On : 3 Jul 2016 17:52
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02018

Manual Integration

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Quant Time: Jul 04 04:14:44 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 04 03:30:19 2016
Response via : Initial Calibration



(85) Benzo(b)fluoranthene

24.289min (+0.130) 0.05ng/ul

response 3439

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	19.67
125.00	13.50	13.86
0.00	0.00	0.00

Quantitation Report (Qedit)

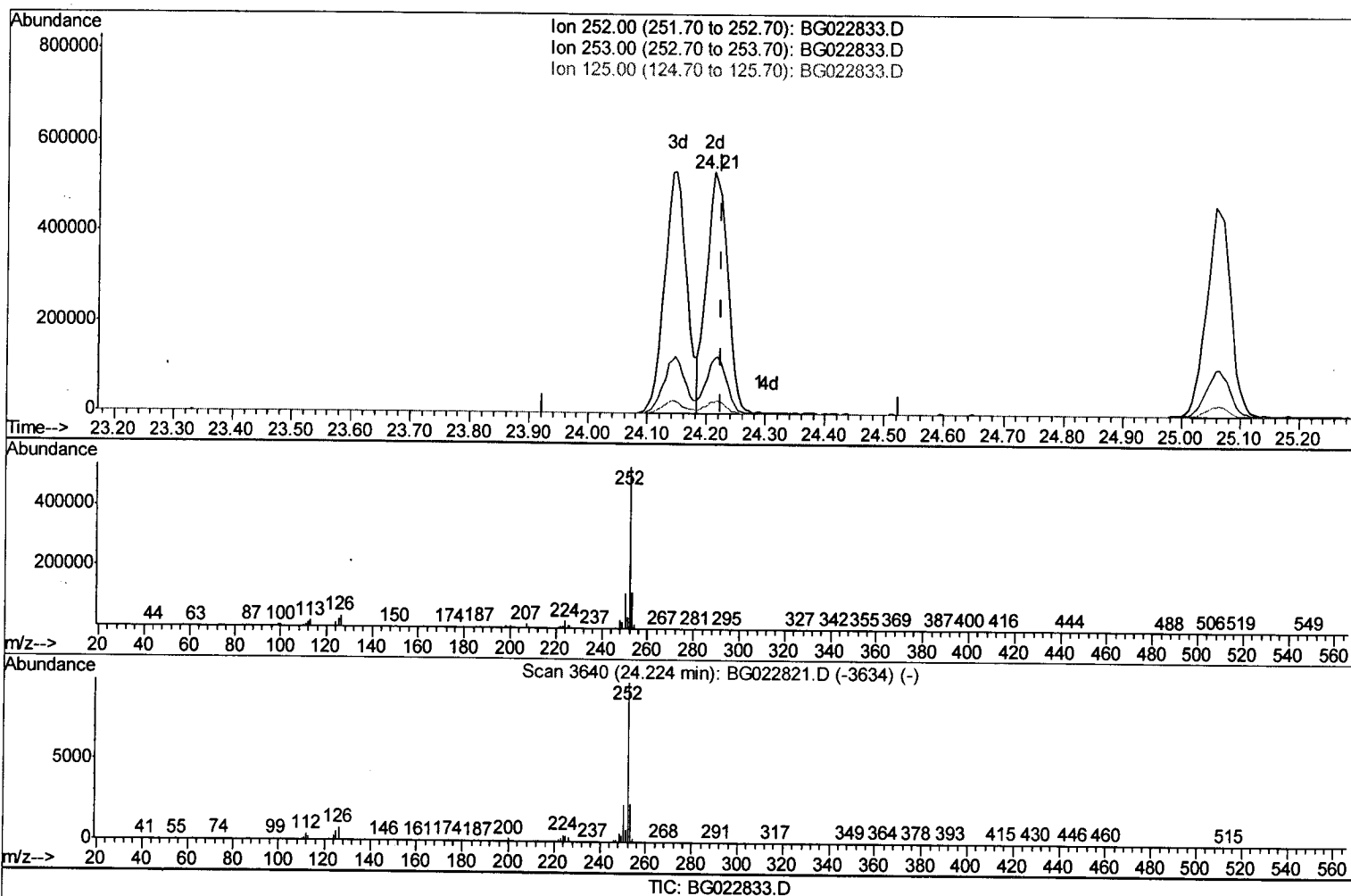
Data Path : Z:\HPCHEM1\BNA G\DATA\BG070316\
 Data File : BG022833.D
 Acq On : 3 Jul 2016 17:52
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02018

Manual Integration

Quant Time: Jul 04 04:14:44 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 04 03:30:19 2016
 Response via : Initial Calibration

umangi
 7/5/2016 7:55:17 PM



(86) Benzo(k)fluoranthene

24.212min (-0.011) 20.31ng/ul m

response 1311793

Ion	Exp%	Act%
252.00	100	100
253.00	19.70	22.94
125.00	13.30	4.68#
0.00	0.00	0.00

U.M
 07/09/16

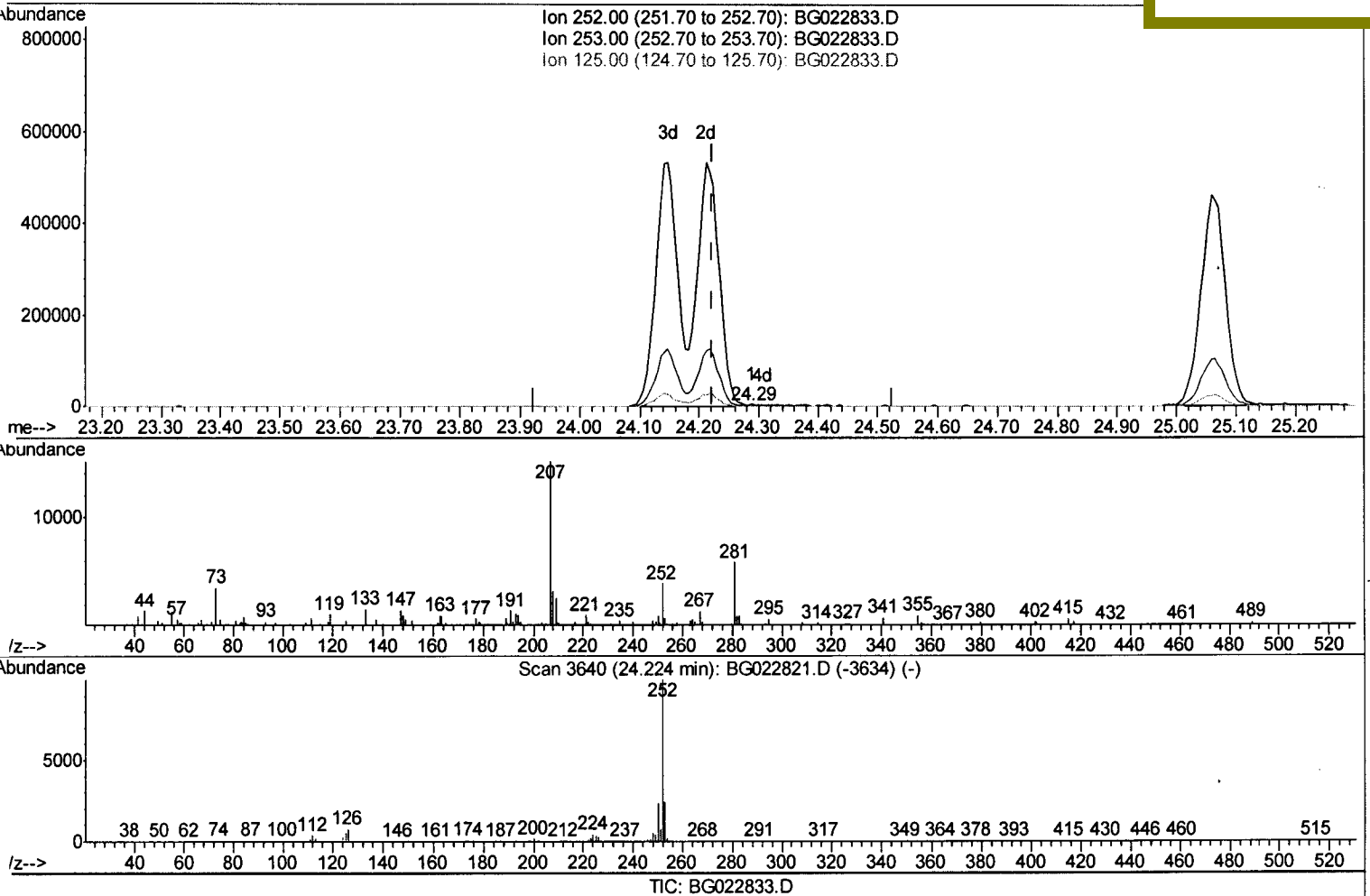
Data Path : Z:\HPCHEM1\BNA G\DATA\BG070316\
Data File : BG022833.D
Acq On : 3 Jul 2016 17:52
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02018

Manual Integrati

umangi
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Quant Time: Jul 04 04:14:44 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 04 03:30:19 2016
Response via : Initial Calibration



(86) Benzo(k)fluoranthene

24.289min (+0.065) 0.05ng/ul

response 3222

Ion	Exp%	Act%
252.00	100	100
253.00	19.70	19.67
125.00	13.30	13.86
0.00	0.00	0.00

Quantitation Report (Qedit)

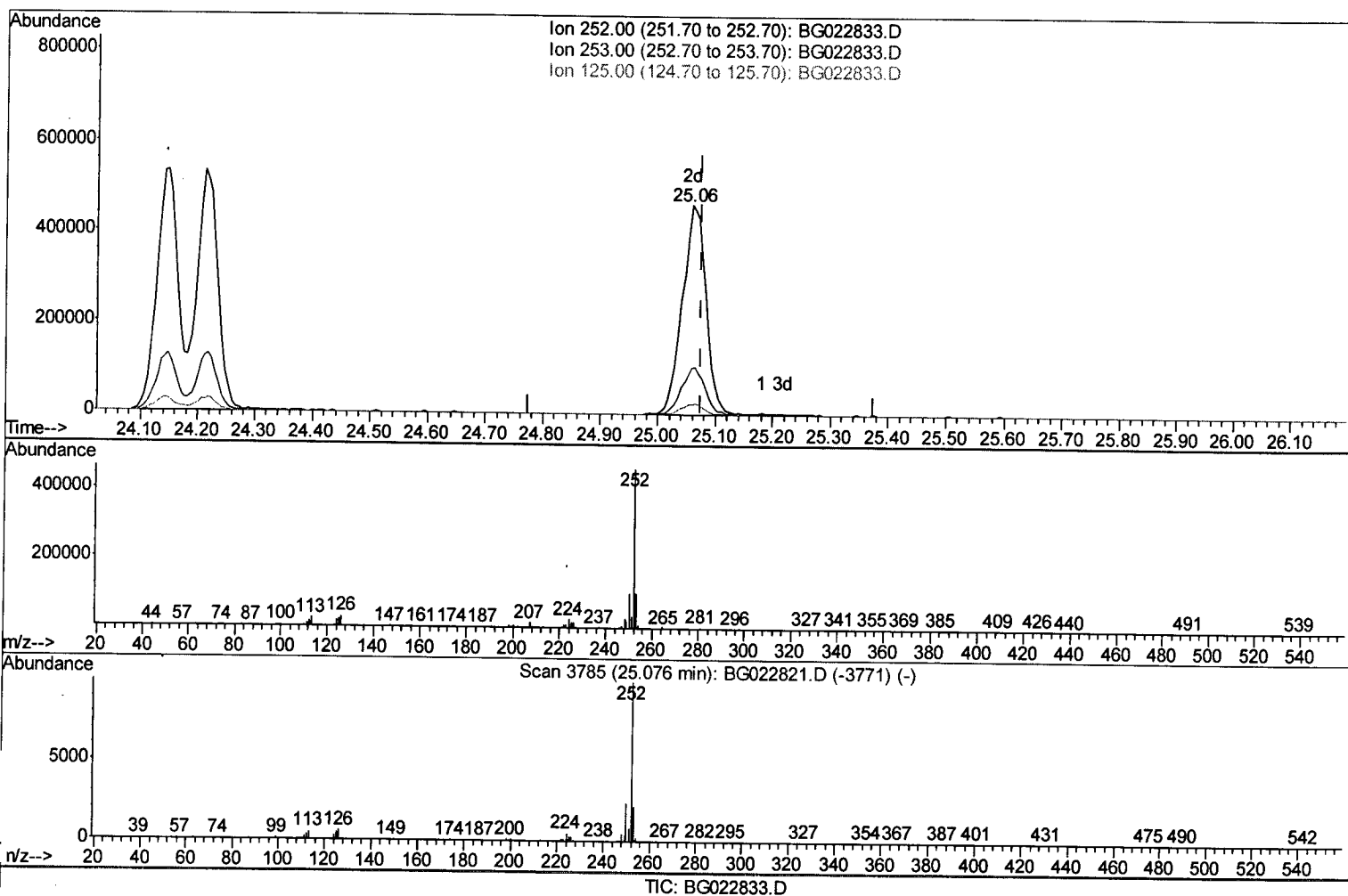
Data Path : Z:\HPCHEM1\BNA G\DATA\BG070316\
 Data File : BG022833.D
 Acq On : 3 Jul 2016 17:52
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA G
 LabSampleId :
 SSTD02018

Manual Integration

Quant Time: Jul 04 04:14:44 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 04 03:30:19 2016
 Response via : Initial Calibration

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 umangi
 7/5/2016 7:55:17 PM



(88) Benzo(a)pyrene (C)

25.058min (-0.017) 20.40ng/ul m U.M
 response 1332628 07/09/16

Ion	Exp%	Act%
252.00	100	100
253.00	23.70	22.09
125.00	15.00	4.90#
0.00	0.00	0.00

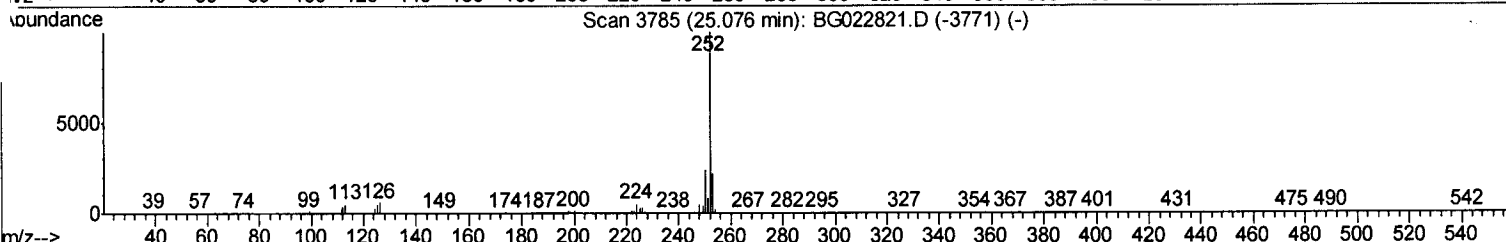
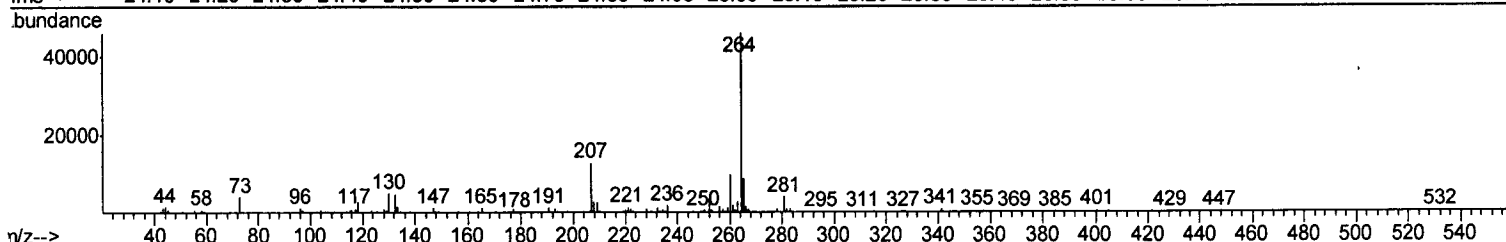
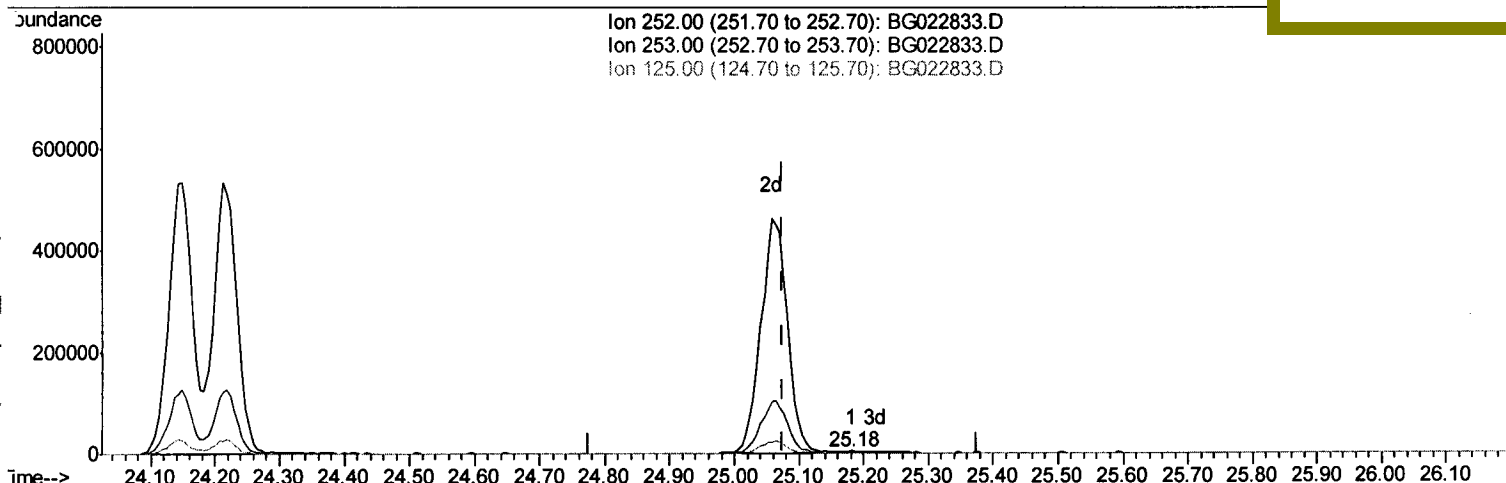
Data Path : Z:\HPCHEM1\BNA G\DATA\BG070316\
Data File : BG022833.D
Acq On : 3 Jul 2016 17:52
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02018

Quant Time: Jul 04 04:14:44 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 04 03:30:19 2016
Response via : Initial Calibration

Manual Integration

umangi
7/5/2016 7:55:17 PM



TIC: BG022833.D

(88) Benzo(a)pyrene (C)

25.182min (+0.106) 0.03ng/ul

response 2140

Ion	Exp%	Act%
252.00	100	100
253.00	23.70	23.88
125.00	15.00	12.34
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070316\
 Data File : BG022833.D
 Acq On : 3 Jul 2016 17:52
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA G
 LabSampleId :
 SSTD02018

Quant Time: Jul 04 04:16:41 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 04 03:30:19 2016
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	108109	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	460594	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.80	164	352893	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	960643m	20.00	ng/ul	0.00
75) Chrysene-d12	21.85	240	1078078m	20.00	ng/ul	0.00
83) Perylene-d12	25.22	264	1100143	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	19229	9.94	ng/uL	0.00
5) Phenol-d5	7.30	99	215661	18.96	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	127064	19.81	ng/ul	0.00
9) 2-Chlorophenol-d4	7.68	132	141547	18.63	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	161690	18.30	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	71568	19.49	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	86658	19.56	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	177441	19.15	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	184485	23.52	ng/ul	-0.01
43) Dimethylphthalate-d6	14.19	166	593630	20.71	ng/ul	-0.01
46) Acenaphthylene-d8	14.49	160	680001	20.70	ng/ul	0.00
51) 4-Nitrophenol-d4	14.99	143	105194	23.37	ng/ul	0.00
57) Fluorene-d10	15.79	176	571386	21.04	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.90	200	122927m	19.90	ng/ul	-0.01
70) Anthracene-d10	17.65	188	908105	20.34	ng/ul	0.00
76) Pyrene-d10	19.93	212	1084271	21.05	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.99	264	1059329	20.27	ng/ul	-0.01

Target Compounds

					Ovalue	
2) 1,4-Dioxane	3.58	88	22575	9.96	ng/uL#	68
4) Benzaldehyde	7.29	77	156499	21.65	ng/ul#	81
6) Phenol	7.33	94	218914m	18.79	ng/ul	
8) Bis(2-Chloroethyl)ether	7.57	93	160822	20.19	ng/ul	94
10) 2-Chlorophenol	7.71	128	146765	19.00	ng/ul#	83
11) 2-Methylphenol	8.60	108	166993	19.09	ng/ul	92
12) 2,2'-oxybis(1-Chloropropan	8.68	45	178775	19.96	ng/ul#	94
14) Acetophenone	8.98	105	271901	19.06	ng/ul#	81
15) N-Nitroso-di-n-propylamine	8.95	70	156293	18.23	ng/ul#	84
16) 4-Methylphenol	8.92	108	182751	18.78	ng/ul	84
17) Hexachloroethane	9.25	117	69384	21.09	ng/ul#	70
20) Nitrobenzene	9.37	77	228581	20.24	ng/ul#	83
21) Isophorone	9.89	82	408253	20.26	ng/ul#	89
23) 2-Nitrophenol	10.09	139	90758	19.30	ng/ul#	41
24) 2,4-Dimethylphenol	10.13	107	228238	20.28	ng/ul	85
25) Bis(2-Chloroethoxy)methane	10.37	93	235299	19.79	ng/ul#	93
27) 2,4-Dichlorophenol	10.62	162	172670	18.54	ng/ul	94
28) Naphthalene	11.03	128	479637	20.36	ng/ul	99
30) 4-Chloroaniline	11.14	127	185728	23.18	ng/ul	96
31) Hexachlorobutadiene	11.31	225	150062	20.92	ng/ul	93
32) Caprolactam	11.89	113	68997m	22.21	ng/ul	
33) 4-Chloro-3-methylphenol	12.25	107	227397m	19.31	ng/ul	
34) 2-Methylnaphthalene	12.63	142	383205	19.67	ng/ul	91

Quantitation Report (QT Reviewed)

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 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.00	216	269510	20.43	ng/ul	97
37) Hexachlorocyclopentadiene	12.97	237	148770	18.68	ng/ul	96
38) 2,4,6-Trichlorophenol	13.23	196	177431	19.50	ng/ul	91
39) 2,4,5-Trichlorophenol	13.31	196	196954	20.57	ng/ul	94
40) 1,1'-Biphenyl	13.63	154	531163	19.79	ng/ul	94
41) 2-Chloronaphthalene	13.68	162	441592	20.32	ng/ul	96
42) 2-Nitroaniline	13.88	65	181279	21.57	ng/ul#	58
44) Dimethylphthalate	14.24	163	582497	19.90	ng/ul	98
45) 2,6-Dinitrotoluene	14.37	165	132988	20.98	ng/ul#	84
47) Acenaphthylene	14.52	152	687956	20.80	ng/ul	98
48) 3-Nitroaniline	14.69	138	116222	23.47	ng/ul#	56
49) Acenaphthene	14.86	153	457007	20.33	ng/ul	96
50) 2,4-Dinitrophenol	14.90	184	66402	18.85	ng/ul#	80
52) 4-Nitrophenol	15.01	109	122855m	21.46	ng/ul	
53) Dibenzofuran	15.19	168	742652	21.39	ng/ul#	86
54) 2,4-Dinitrotoluene	15.15	165	205982	22.48	ng/ul#	79
55) 2,3,4,6-Tetrachlorophenol	15.42	232	212478	21.80	ng/ul#	94
56) Diethylphthalate	15.60	149	631090	21.22	ng/ul	96
58) Fluorene	15.85	166	592245	21.23	ng/ul	96
59) 4-Chlorophenyl-phenylether	15.83	204	339067	20.29	ng/ul	97
60) 4-Nitroaniline	15.86	138	133447	22.43	ng/ul#	39
63) 4,6-Dinitro-2-methylphenol	15.92	198	127126m	19.41	ng/ul	
64) N-Nitrosodiphenylamine	16.05	169	562968	19.90	ng/ul	98
65) 4-Bromophenyl-phenylether	16.73	248	249354	19.41	ng/ul	97
66) Hexachlorobenzene	16.85	284	269154	19.78	ng/ul	95
67) Atrazine	16.99	200	248646	21.08	ng/ul	93
68) Pentachlorophenol	17.20	266	149310	19.09	ng/ul	98
69) Phenanthrene	17.59	178	1021795m	20.79	ng/ul	
71) Anthracene	17.68	178	1051088	20.82	ng/ul	98
72) Carbazole	17.95	167	868220	23.24	ng/ul	98
73) Di-n-butylphthalate	18.50	149	1046170	21.81	ng/ul#	94
74) Fluoranthene	19.60	202	1249840	24.42	ng/ul#	87
77) Pvrene	19.96	202	1293871	21.44	ng/ul#	86
78) Butylbenzylphthalate	20.83	149	510183m	21.80	ng/ul	
79) 3,3'-Dichlorobenzidine	21.74	252	480388m	23.53	ng/ul	
80) Benzo(a)anthracene	21.83	228	1342870m	21.24	ng/ul	
81) Bis(2-ethylhexyl)phthalate	21.72	149	677945m	22.45	ng/ul	
82) Chrysene	21.90	228	1206785	20.97	ng/ul	98
84) Di-n-octyl phthalate	22.98	149	1147553	23.67	ng/ul	100
85) Benzo(b)fluoranthene	24.15	252	1395926m	20.30	ng/ul	
86) Benzo(k)fluoranthene	24.21	252	1311793m	20.31	ng/ul	
88) Benzo(a)pyrene	25.06	252	1332628m	20.40	ng/ul	
89) Indeno(1,2,3-cd)pyrene	29.08	276	1418985	20.55	ng/ul#	80
90) Dibenzo(a,h)anthracene	29.14	278	1167963	20.46	ng/ul#	87
91) Benzo(g,h,i)perylene	30.28	276	1186897	21.92	ng/ul#	79

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