

Quantitation Report (LSC Reviewed)

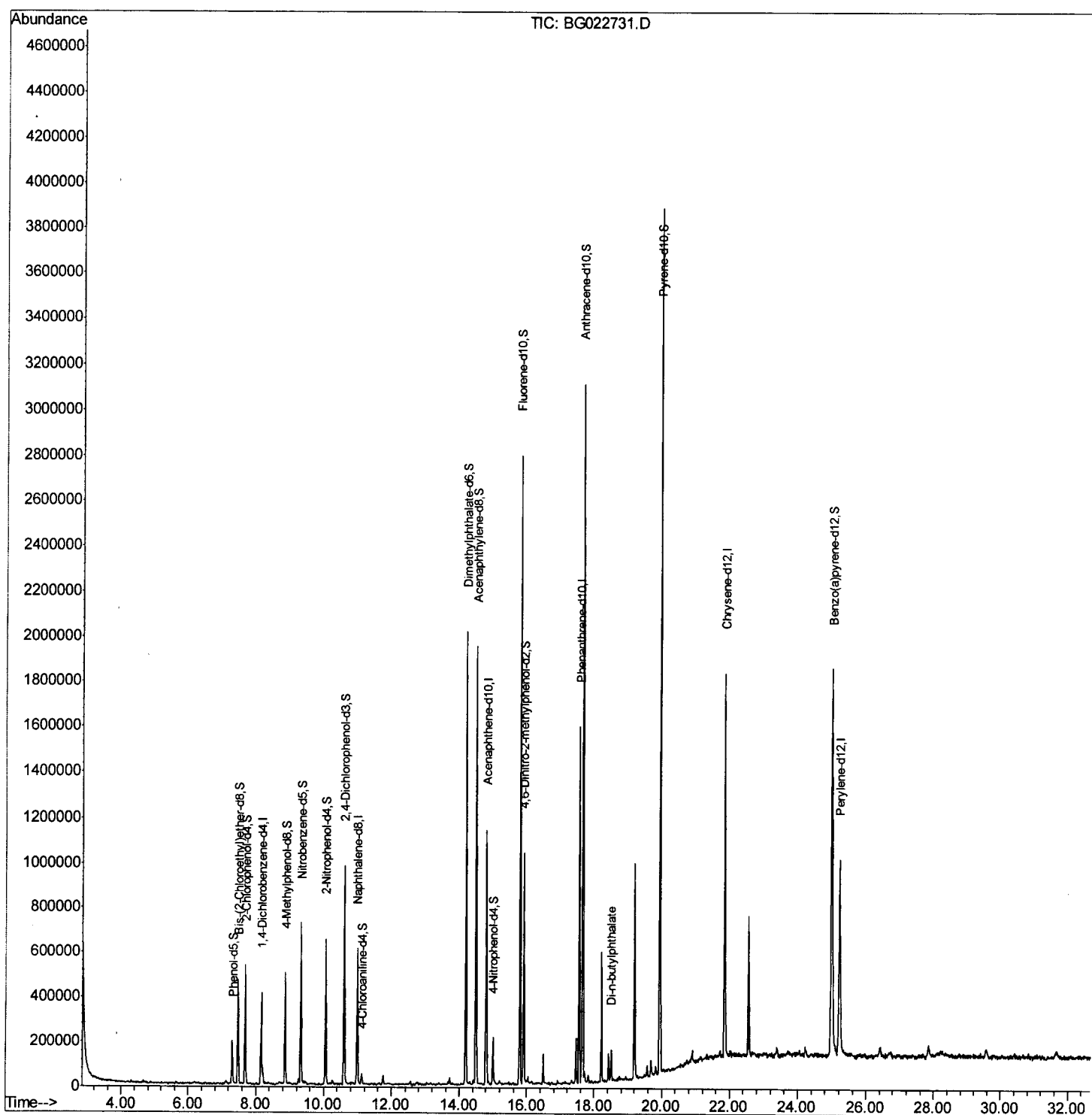
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG063016\  
 Data File : BG022731.D  
 Acq On : 30 Jun 2016 17:41  
 Operator : UM/SJ  
 Sample : H3759-01  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampled :  
 BDHM4

Manual Integration

Quant Time: Jul 01 04:08:38 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG063016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 01 03:35:17 2016  
 Response via : Initial Calibration

APPROVED  
 sohil  
 7/1/2016 7:04:49 PM



# Quantitation Report (Qedit)

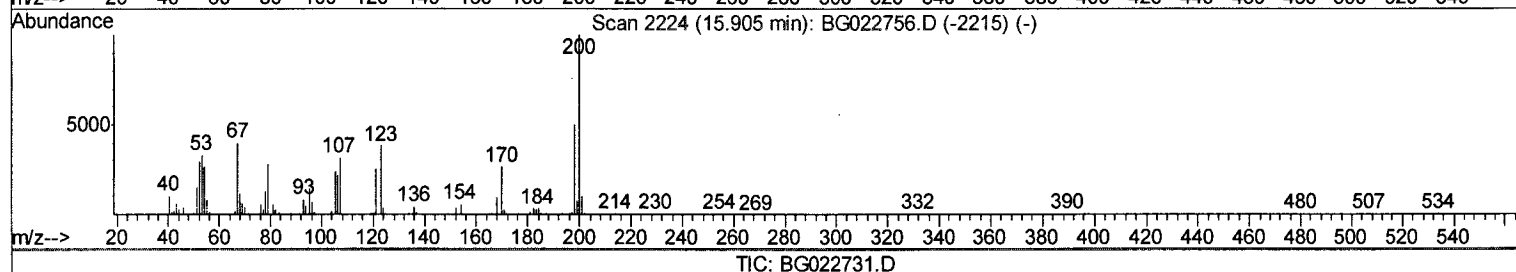
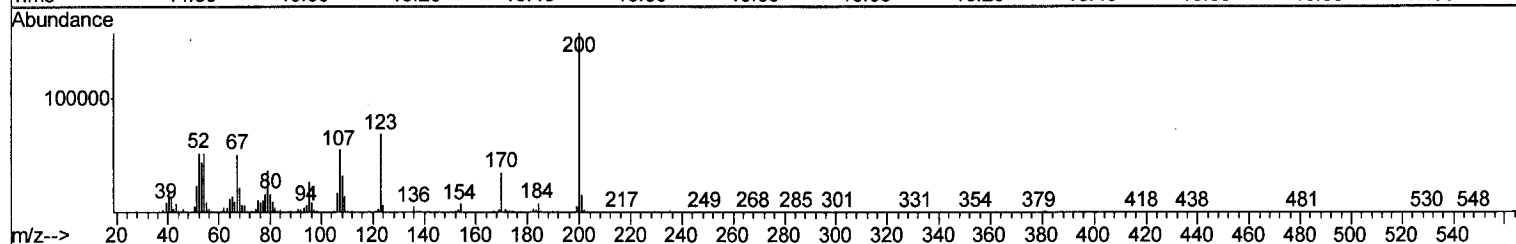
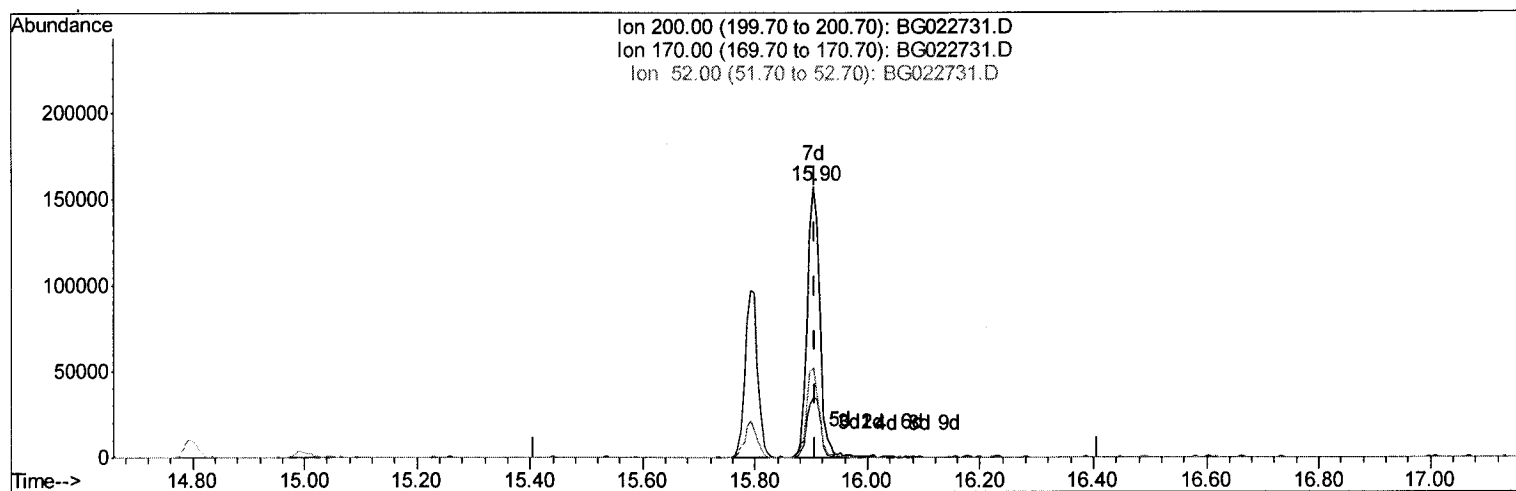
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 ClientSampleId :  
 BDHM4

Manual Integration

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Quant Time: Jul 01 04:08:38 2016  
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 Quant Title : SVOA CALIBRATION  
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 Response via : Initial Calibration



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

15.905min (-0.004) 37.64ng/ul m U.M.  
07/02/16

response 238136

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 200.00 | 100   | 100    |
| 170.00 | 15.20 | 22.34# |
| 52.00  | 32.20 | 33.08  |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

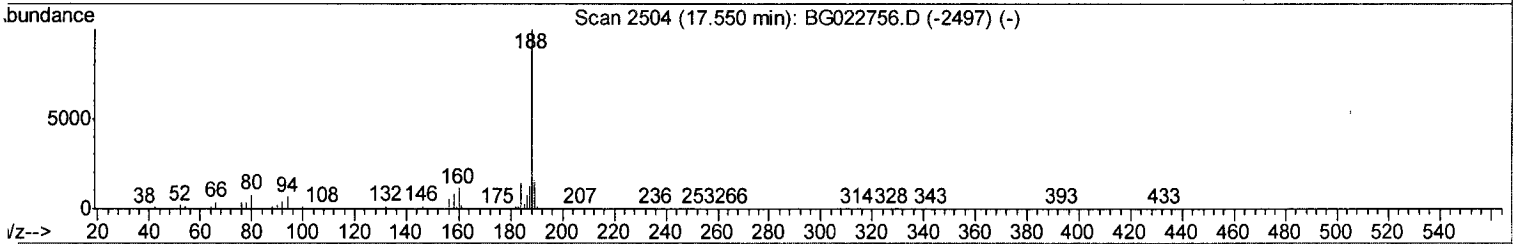
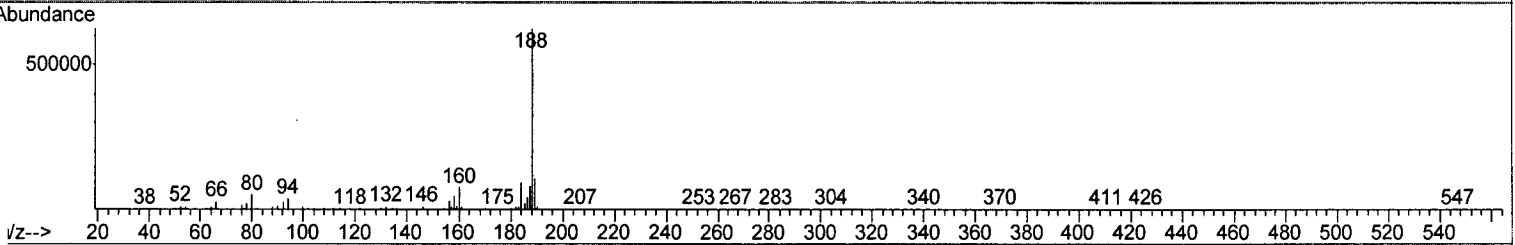
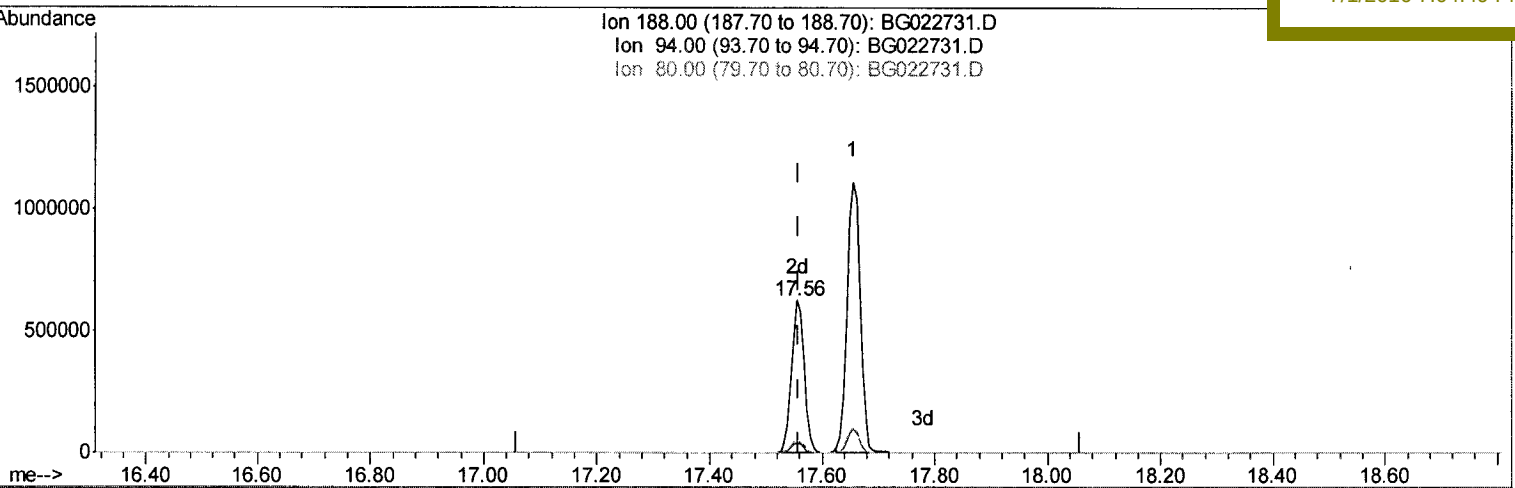
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG063016\  
 Data File : BG022731.D  
 Acq On : 30 Jun 2016 17:41  
 Operator : UM/SJ  
 Sample : H3759-01  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BDHM4

Manual Integration

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 sohil  
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Quant Time: Jul 01 04:08:38 2016  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 01 03:35:17 2016  
 Response via : Initial Calibration



TIC: BG022731.D

(61) Phenanthrene-d10 (I)

17.556min (-0.004) 20.00ng/ul m

response 983682

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 10.30 | 6.15# |
| 80.00  | 10.90 | 8.17# |
| 0.00   | 0.00  | 0.00  |

U.M.  
 07/02/16

# Quantitation Report (Qedit)

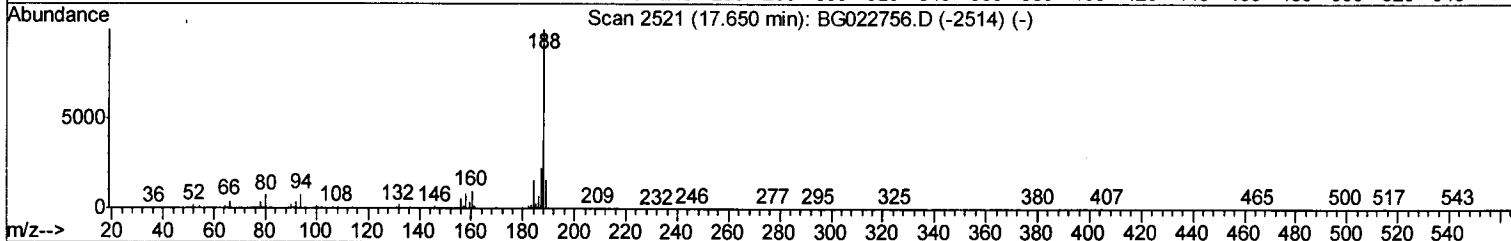
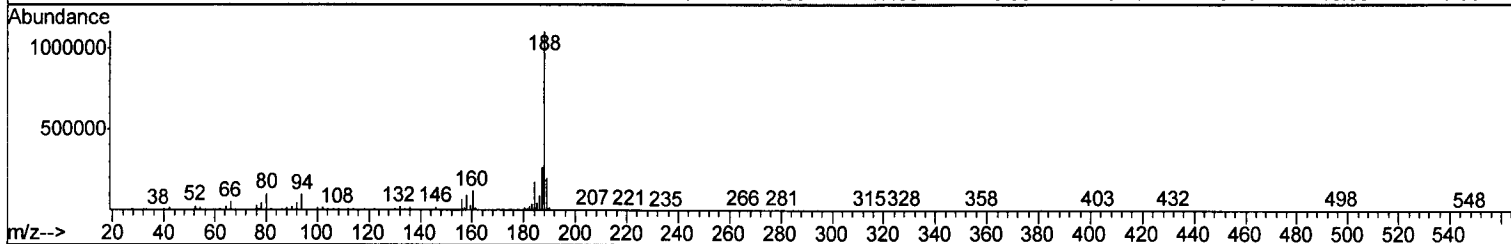
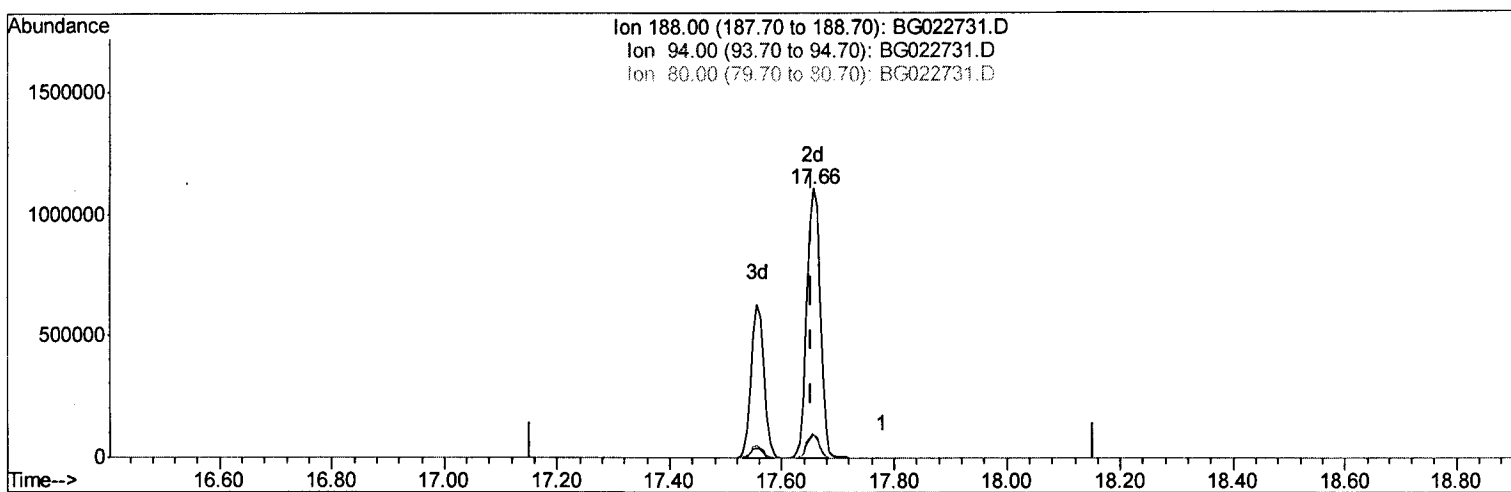
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG063016\  
 Data File : BG022731.D  
 Acq On : 30 Jun 2016 17:41  
 Operator : UM/SJ  
 Sample : H3759-01  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BDHM4

Manual Integration

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Quant Time: Jul 01 04:08:38 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG063016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 01 03:35:17 2016  
 Response via : Initial Calibration



TIC: BG022731.D

(70) Anthracene-d10 (S)

17.655min (+0.002) 39.83ng/ul m U.M.

response 1820893

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 12.80 | 8.83# |
| 80.00  | 11.90 | 9.04# |
| 0.00   | 0.00  | 0.00  |

07/02/16

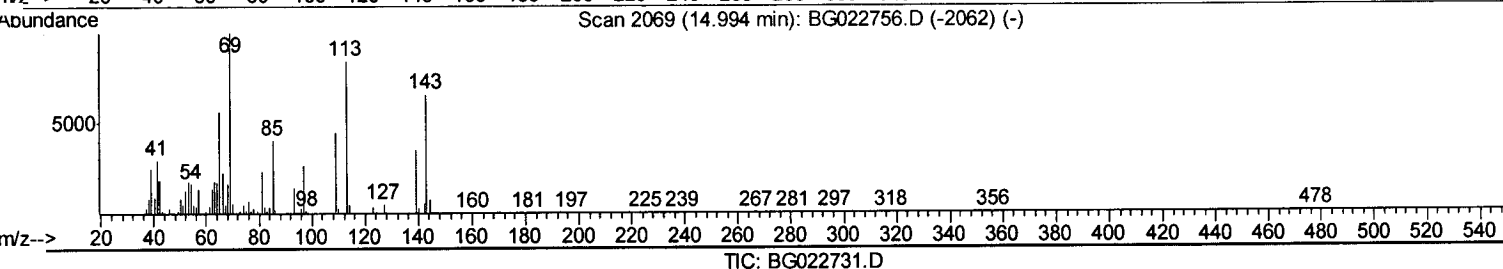
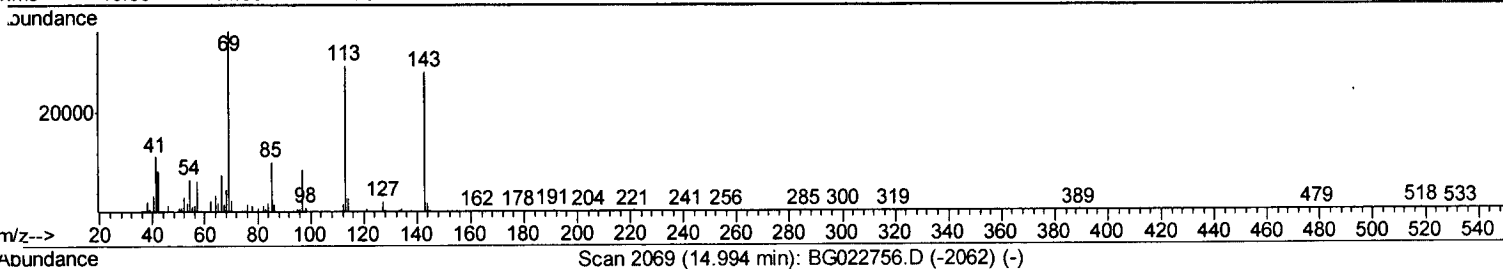
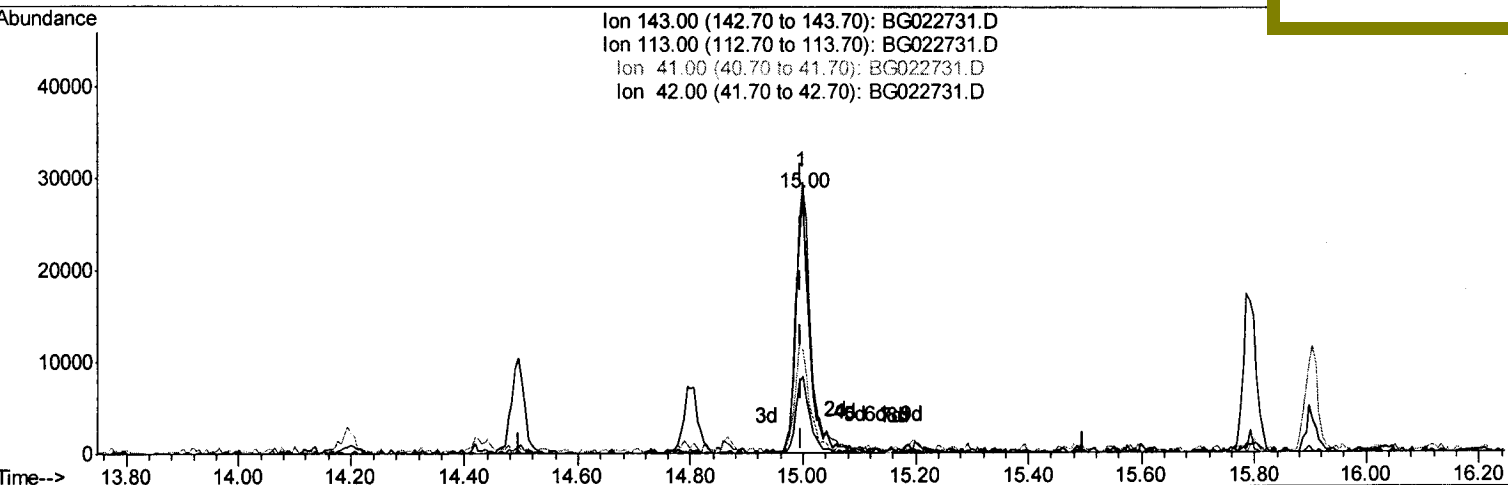
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG063016\  
Data File : BG022731.D  
Acq On : 30 Jun 2016 17:41  
Operator : UM/SJ  
Sample : H3759-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDHM4

Manual Integration

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Quant Time: Jul 01 04:08:38 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG063016.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jul 01 03:35:17 2016  
Response via : Initial Calibration



(51) 4-Nitrophenol-d4 (S)

15.000min (+0.002) 9.68ng/ul m U.M.

response 47781

07/02/16

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 143.00 | 100   | 100     |
| 113.00 | 53.50 | 104.19# |
| 41.00  | 26.90 | 39.96#  |
| 42.00  | 16.10 | 29.36#  |

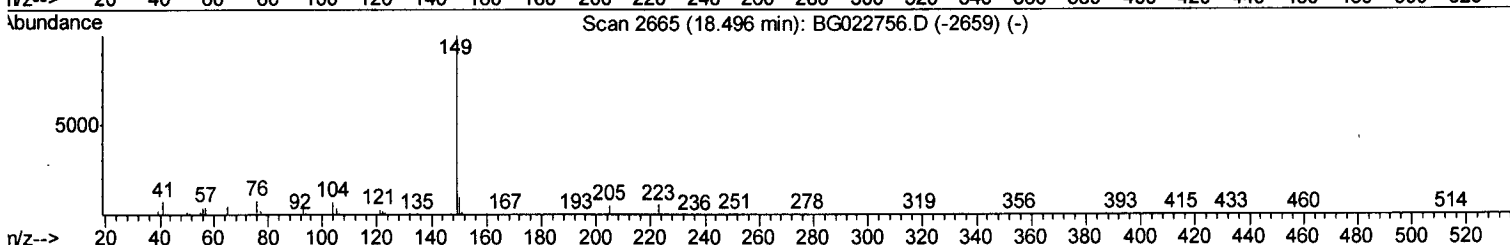
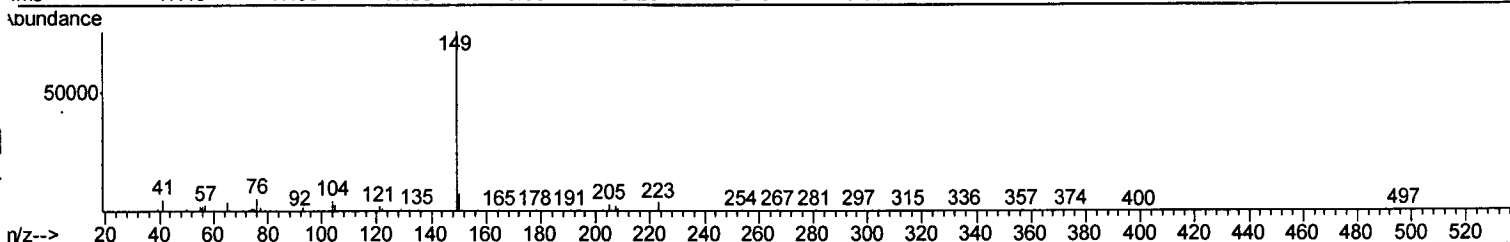
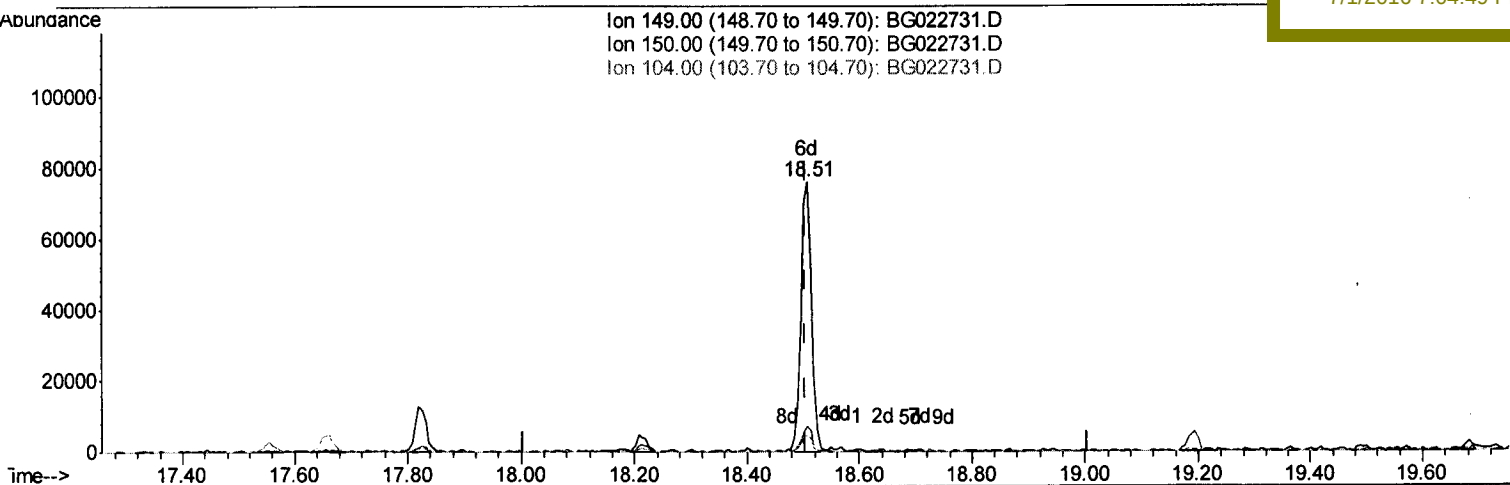
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG063016\  
Data File : BG022731.D  
Acq On : 30 Jun 2016 17:41  
Operator : UM/SJ  
Sample : H3759-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDHM4

Quant Time: Jul 01 04:08:38 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG063016.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jul 01 03:35:17 2016  
Response via : Initial Calibration

Manual Integration

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TIC: BG022731.D

(73) Di-n-butylphthalate

18.507min (+0.002) 2.03ng/ul m

response 99489

| Ion | Exp% | Act% |
|-----|------|------|
|-----|------|------|

|        |     |     |
|--------|-----|-----|
| 149.00 | 100 | 100 |
|--------|-----|-----|

|        |      |      |
|--------|------|------|
| 150.00 | 8.90 | 9.78 |
|--------|------|------|

|        |      |       |
|--------|------|-------|
| 104.00 | 4.10 | 5.84# |
|--------|------|-------|

|      |      |      |
|------|------|------|
| 0.00 | 0.00 | 0.00 |
|------|------|------|

## Quantitation Report (Qedit)

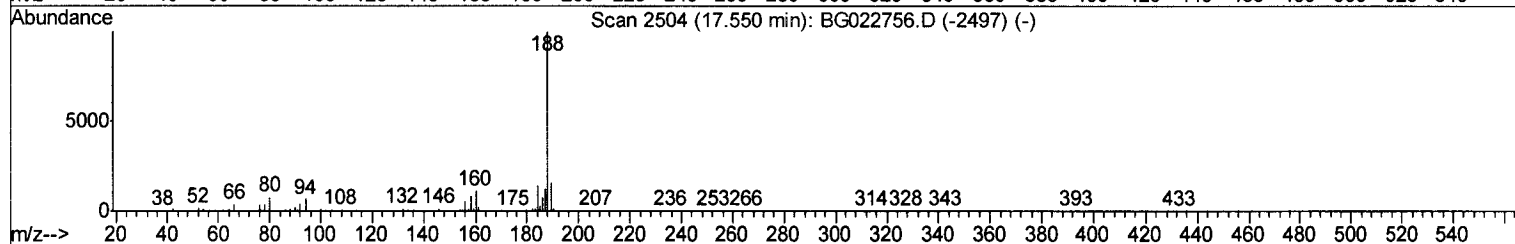
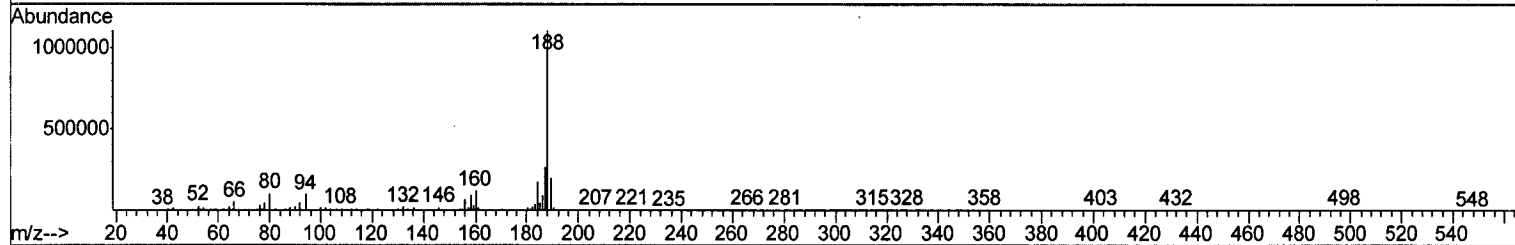
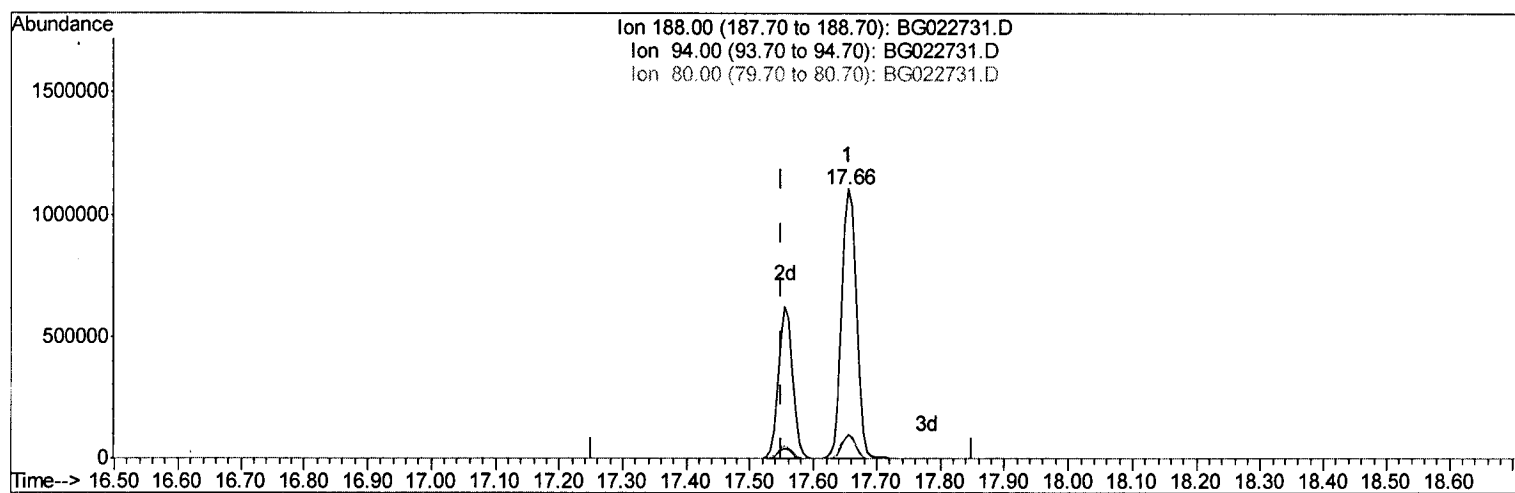
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG063016\  
Data File : BG022731.D  
Acq On : 30 Jun 2016 17:41  
Operator : UM/SJ  
Sample : H3759-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDHM4

Manual Integration

Quant Time: Jul 02 02:03:21 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG063016.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Jul 02 00:07:37 2016  
Response via : Initial Calibration

sohil  
7/1/2016 7:04:49 PM



TIC: BG022731.D

(61) Phenanthrene-d10 (I)

17.655min (+0.105) 20.00ng/ul

response 1810010

| Ion    | Exp%  | Act% |
|--------|-------|------|
| 188.00 | 100   | 100  |
| 94.00  | 10.30 | 8.83 |
| 80.00  | 10.90 | 9.04 |
| 0.00   | 0.00  | 0.00 |

# Quantitation Report (Qedit)

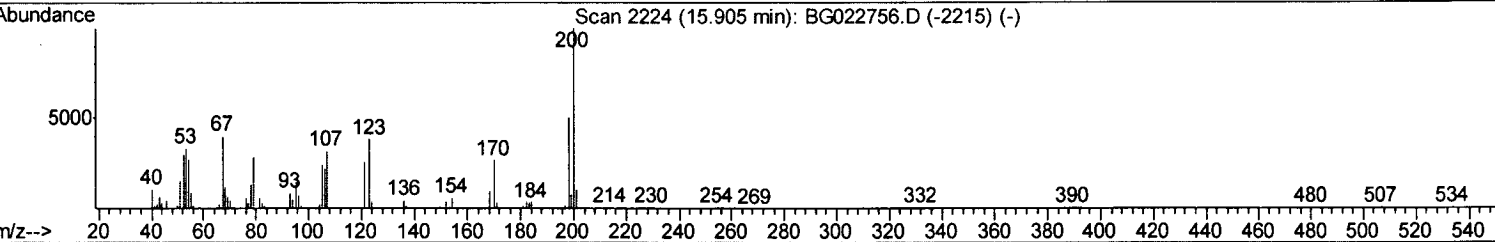
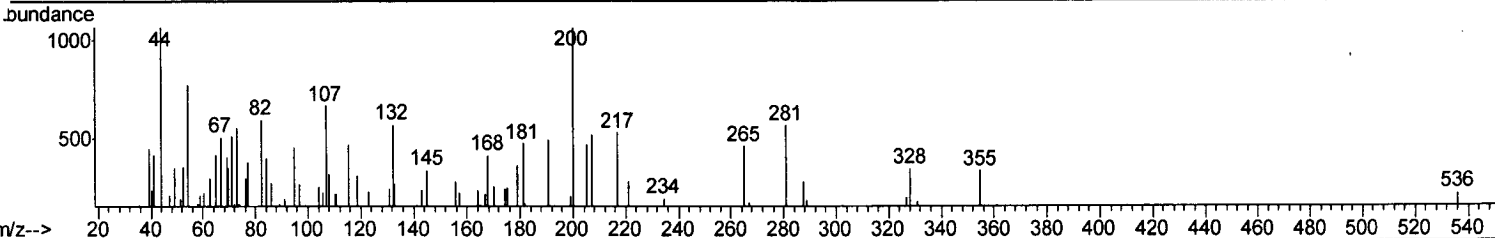
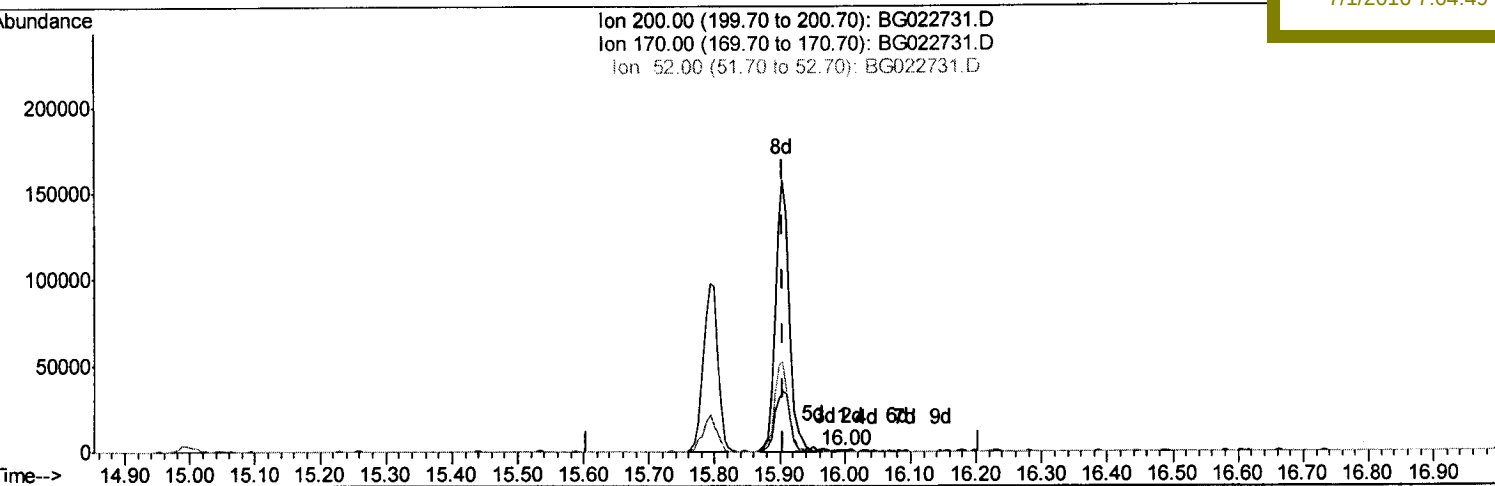
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG063016\  
 Data File : BG022731.D  
 Acq On : 30 Jun 2016 17:41  
 Operator : UM/SJ  
 Sample : H3759-01  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BDHM4

Manual Integration

sohil  
 7/1/2016 7:04:49 PM

Quant Time: Jul 02 02:03:21 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG063016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Jul 02 00:07:37 2016  
 Response via : Initial Calibration



TIC: BG022731.D

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

15.999min (+0.094) 0.07ng/ul

response 758

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 200.00 | 100   | 100    |
| 170.00 | 15.20 | 23.99# |
| 52.00  | 32.20 | 33.30  |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

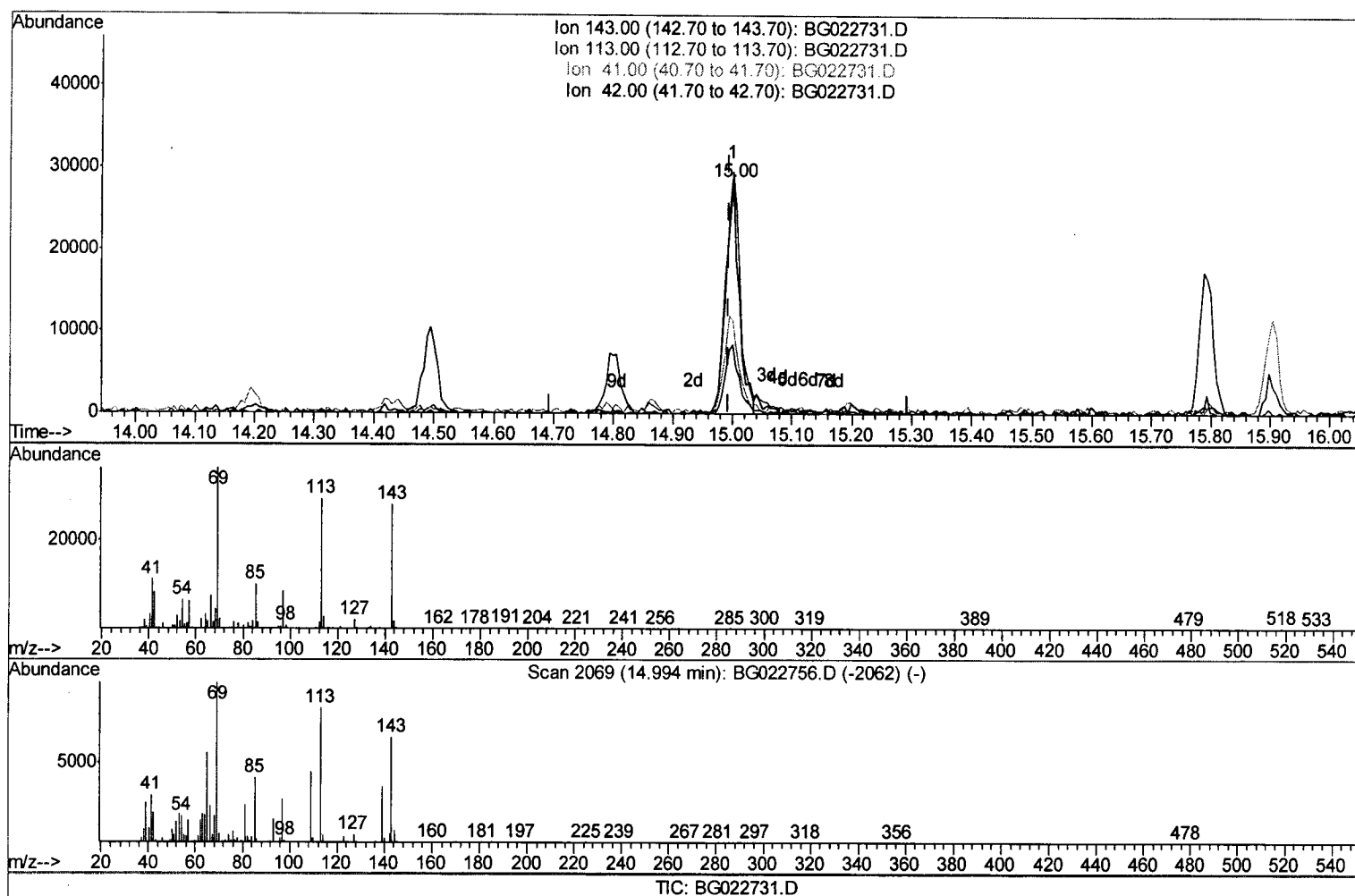
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG063016\  
 Data File : BG022731.D  
 Acq On : 30 Jun 2016 17:41  
 Operator : UM/SJ  
 Sample : H3759-01  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BDHM4

Manual Integration

Quant Time: Jul 02 02:03:21 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG063016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Jul 02 00:07:37 2016  
 Response via : Initial Calibration

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TIC: BG022731.D

(51) 4-Nitrophenol-d4 (S)

15.000min (+0.005) 9.14ng/ul

response 45126

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 143.00 | 100   | 100     |
| 113.00 | 53.50 | 104.19# |
| 41.00  | 26.90 | 39.96#  |
| 42.00  | 16.10 | 29.36#  |

## Quantitation Report (Qedit)

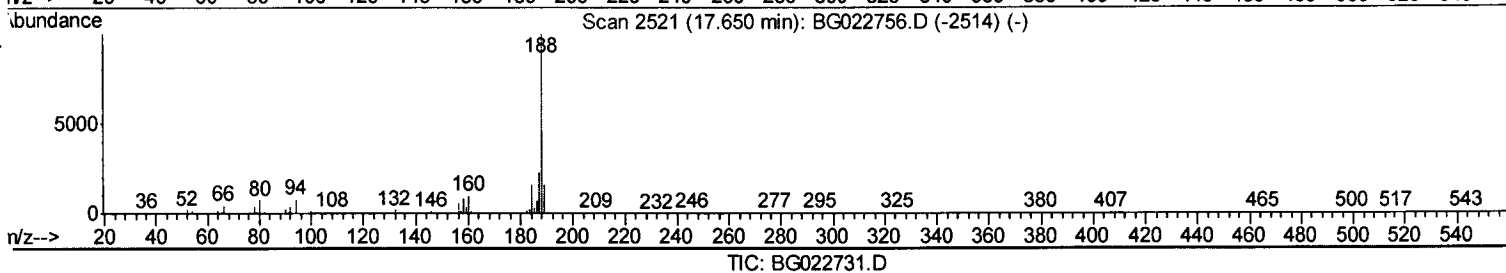
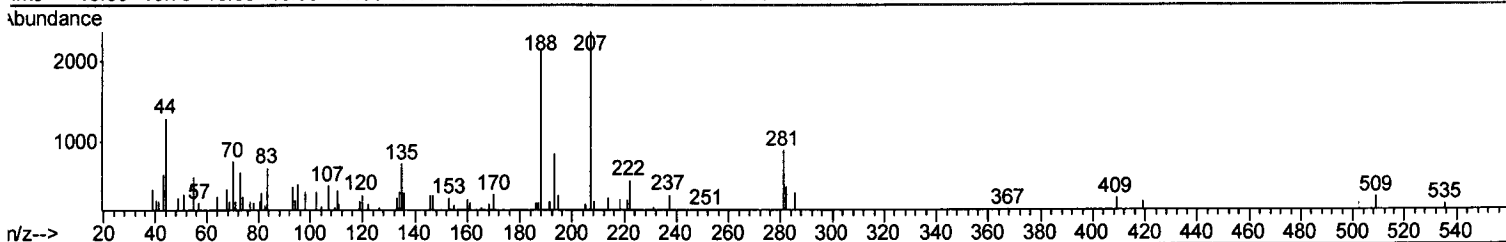
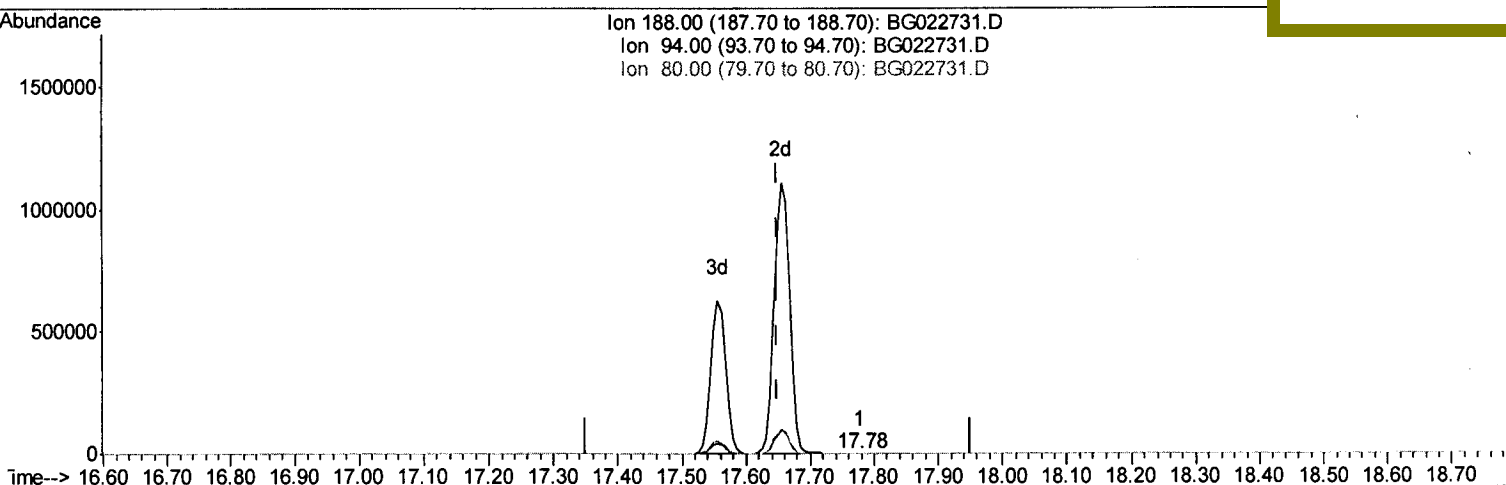
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Data File : BG022731.D  
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Operator : UM/SJ  
Sample : H3759-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDHM4

Quant Time: Jul 02 02:03:21 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG063016.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Jul 02 00:07:37 2016  
Response via : Initial Calibration

Manual Integration

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(70) Anthracene-d10 (S)

17.779min (+0.129) 0.02ng/ul

response 1943

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 12.80 | 12.99 |
| 80.00  | 11.90 | 12.15 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

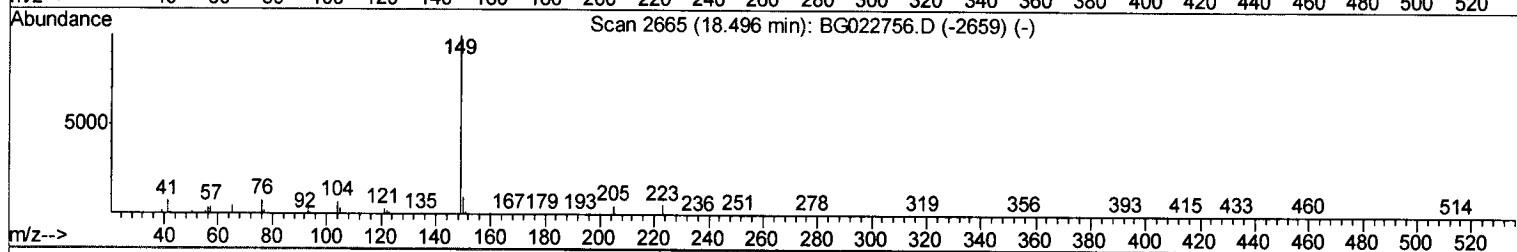
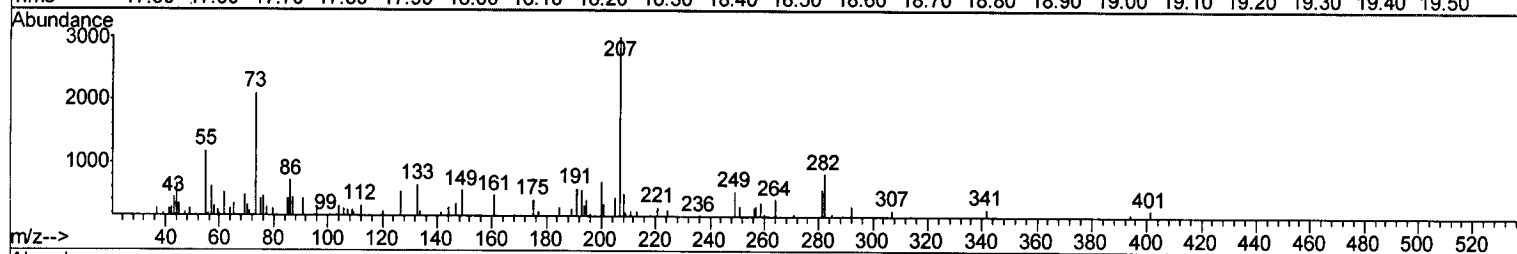
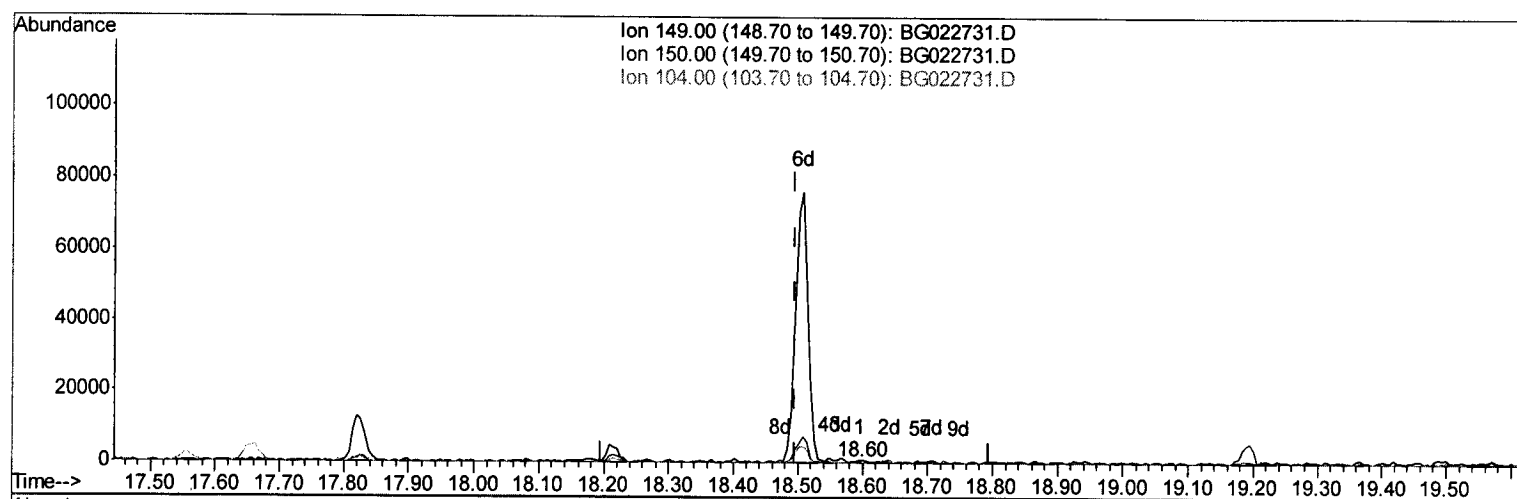
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 Acq On : 30 Jun 2016 17:41  
 Operator : UM/SJ  
 Sample : H3759-01  
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 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
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Manual Integration

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APPROVED  
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 7/1/2016 7:04:49 PM



TIC: BG022731.D

(73) Di-n-butylphthalate

18.595min (+0.099) 0.01ng/ul

response 815

| Ion    | Exp% | Act%   |
|--------|------|--------|
| 149.00 | 100  | 100    |
| 150.00 | 8.90 | 0.00#  |
| 104.00 | 4.10 | 55.16# |
| 0.00   | 0.00 | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG063016\  
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 Operator : UM/SJ  
 Sample : H3759-01  
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Instrument :  
 BNA\_G  
 ClientSampleId :  
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Manual Integration

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 7/1/2016 7:04:49 PM

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.16  | 152  | 104463   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.99 | 136  | 493719   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.80 | 164  | 386867   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.56 | 188  | 983682m  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.85 | 240  | 1100802  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.22 | 264  | 1033252  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |          |       |       |      |
|--------------------------------|-------|-----|----------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.54  | 96  | 1504     | 0.80  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.31  | 99  | 103420   | 9.41  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.47  | 67  | 242227   | 39.09 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.69  | 132 | 224930   | 30.65 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.87  | 113 | 181465   | 21.26 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.33  | 128 | 149003   | 37.85 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.06 | 143 | 183450   | 38.63 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.60 | 165 | 340039   | 34.24 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.12 | 131 | 21514    | 2.56  | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.19 | 166 | 1259300  | 40.07 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.49 | 160 | 1370433  | 38.05 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.00 | 143 | 47781m   | 9.68  | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.79 | 176 | 1185151  | 39.80 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.90 | 200 | 238136m  | 37.64 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.66 | 188 | 1820893m | 39.83 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.94 | 212 | 2114022  | 40.20 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 24.99 | 264 | 2117925  | 43.14 | ng/ul | 0.00 |

## Target Compounds

|                         |       |     |        |      |       |        |
|-------------------------|-------|-----|--------|------|-------|--------|
| 73) Di-n-butylphthalate | 18.51 | 149 | 99489m | 2.03 | ng/ul | Qvalue |
|-------------------------|-------|-----|--------|------|-------|--------|

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