

# Quantitation Report (QT Reviewed)

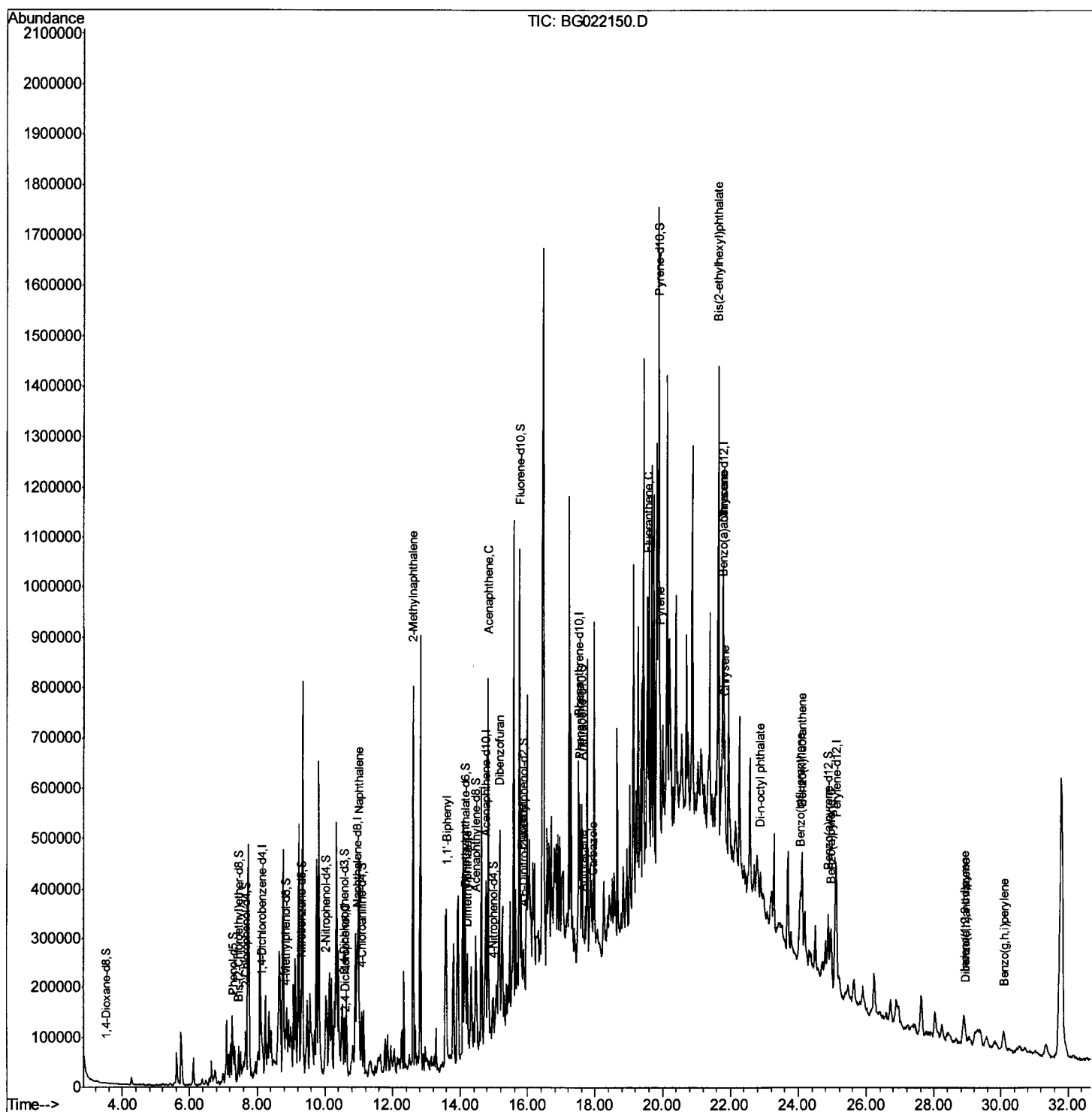
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060216\  
 Data File : BG022150.D  
 Acq On : 2 Jun 2016 12:48  
 Operator : UM/SJ  
 Sample : H3302-07  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA G  
 ClientSampleId :  
 CB203

Manual Integrations  
 APPROVED

umangi  
 6/3/2016 4:54:52 PM

Quant Time: Jun 03 01:31:52 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jun 03 01:08:24 2016  
 Response via : Initial Calibration



# Quantitation Report (Qedit)

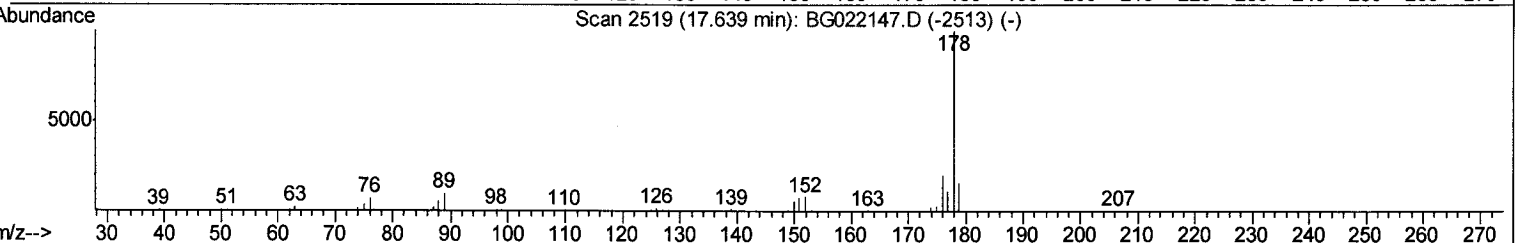
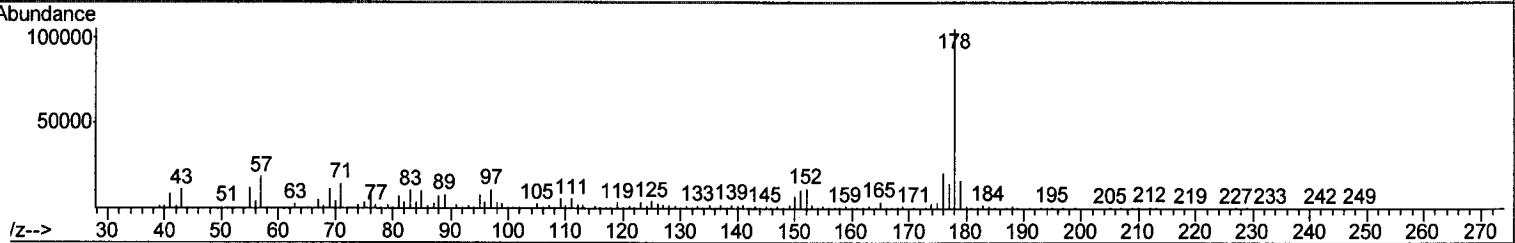
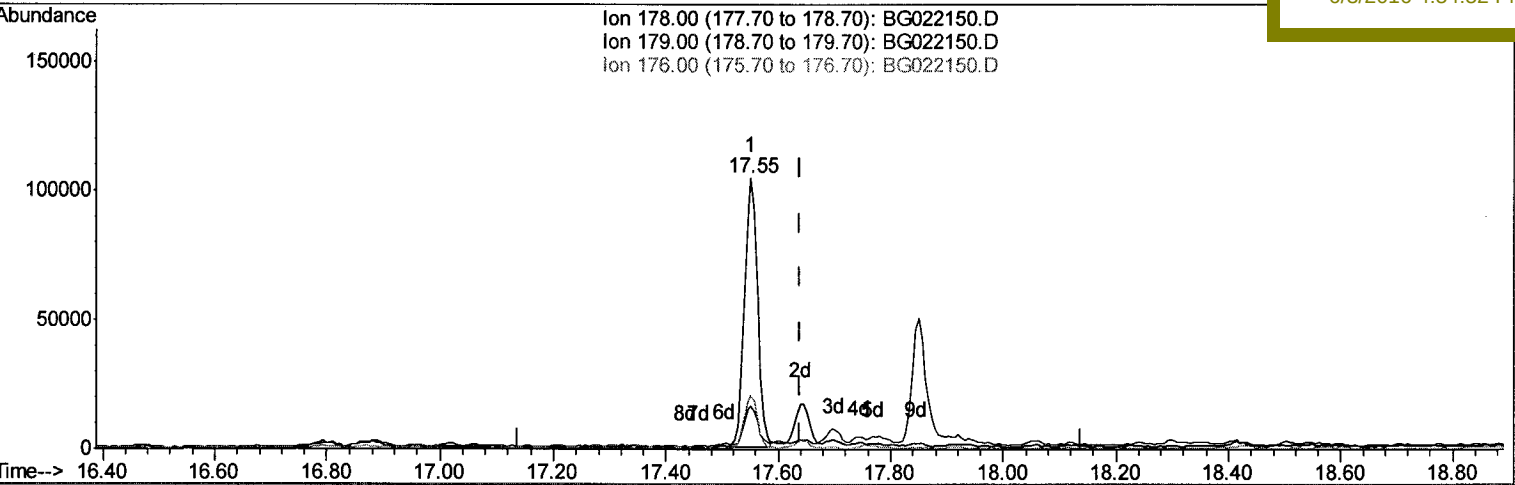
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TIC: BG022150.D

(71) Anthracene

17.551min (-0.088) 11.95ng/ul

response 167902

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 15.40 | 15.95 |
| 176.00 | 20.40 | 20.17 |
| 0.00   | 0.00  | 0.00  |

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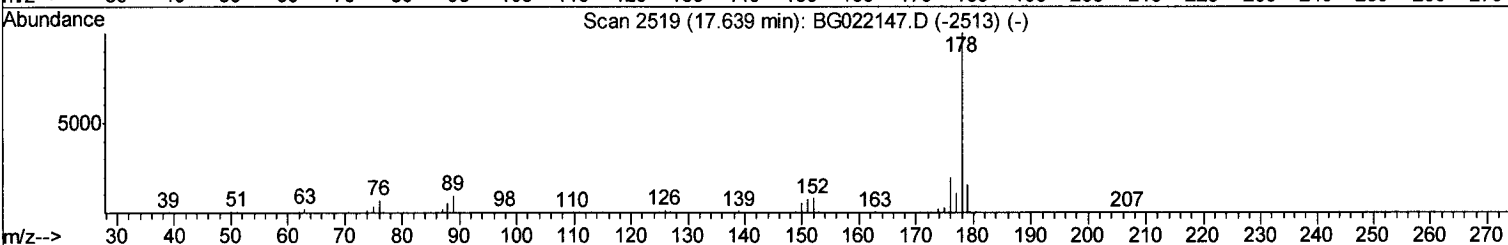
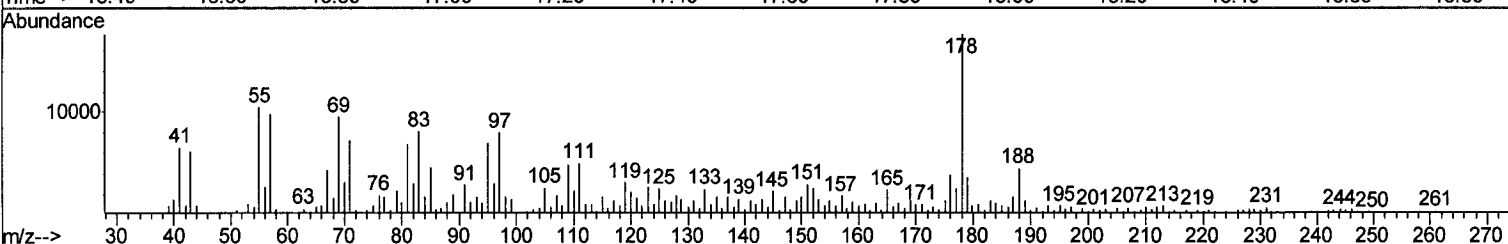
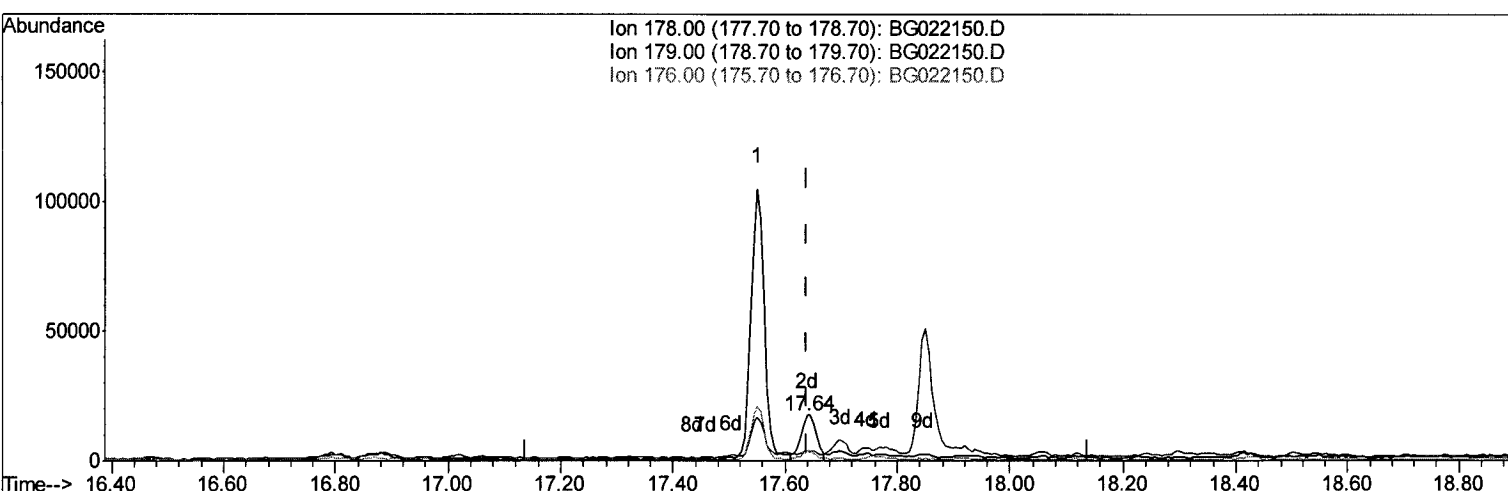
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TIC: BG022150.D

(71) Anthracene

17.639min (+0.000) 2.40ng/ul m *U.M*  
*06/03/16*

response 33655

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 179.00 | 15.40 | 20.85# |
| 176.00 | 20.40 | 21.64  |
| 0.00   | 0.00  | 0.00   |

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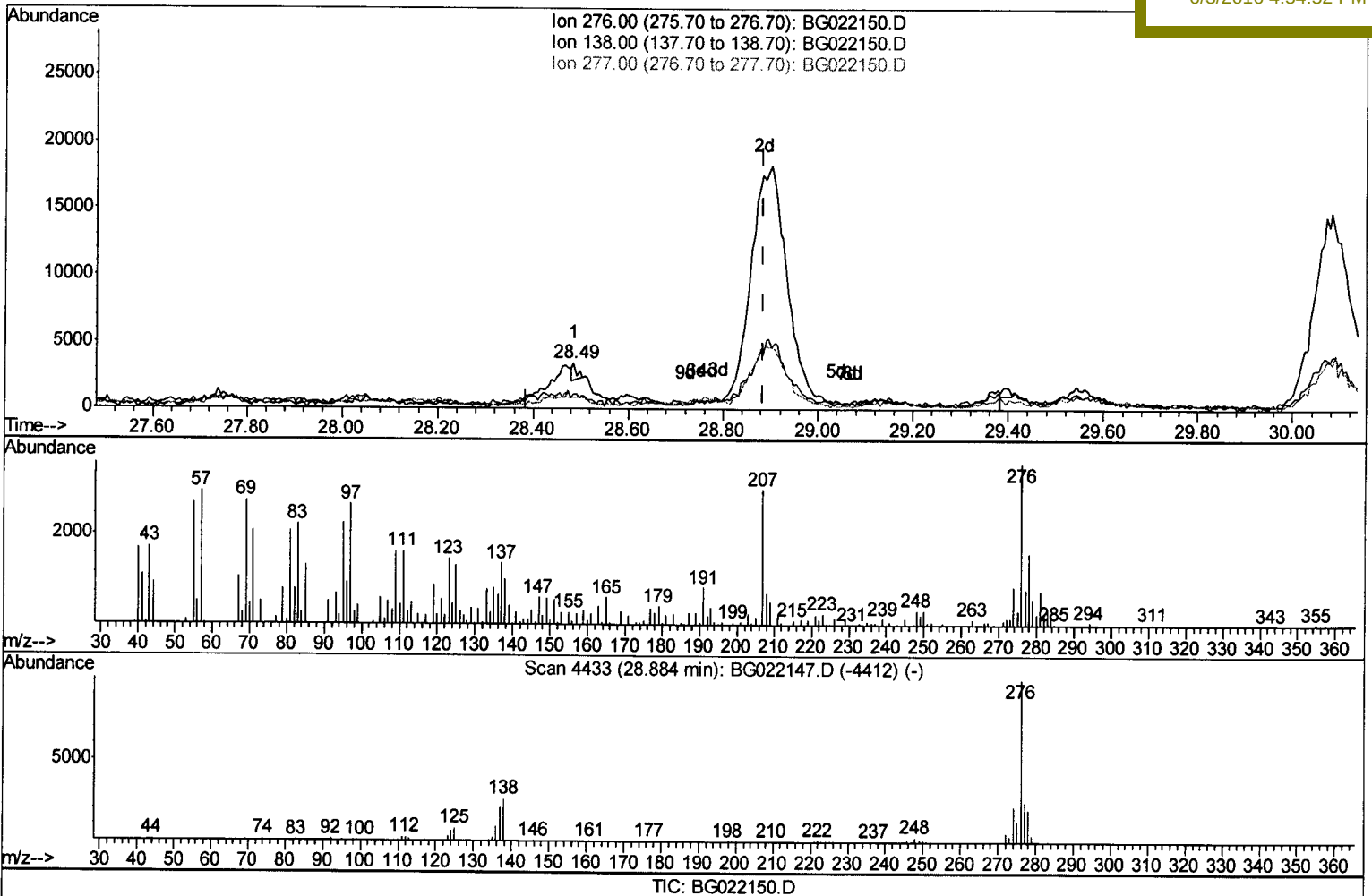
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060216\  
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(89) Indeno(1,2,3-cd)pyrene

28.485min (-0.399) 0.05ng/ul

response 818

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 26.00 | 31.15 |
| 277.00 | 22.00 | 25.26 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

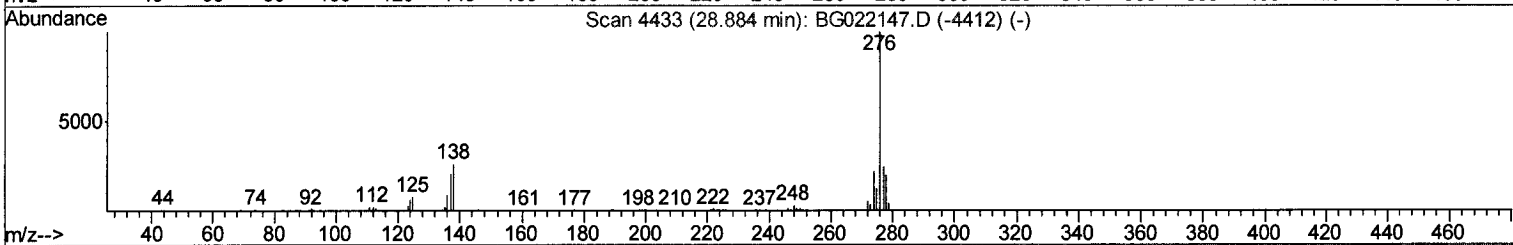
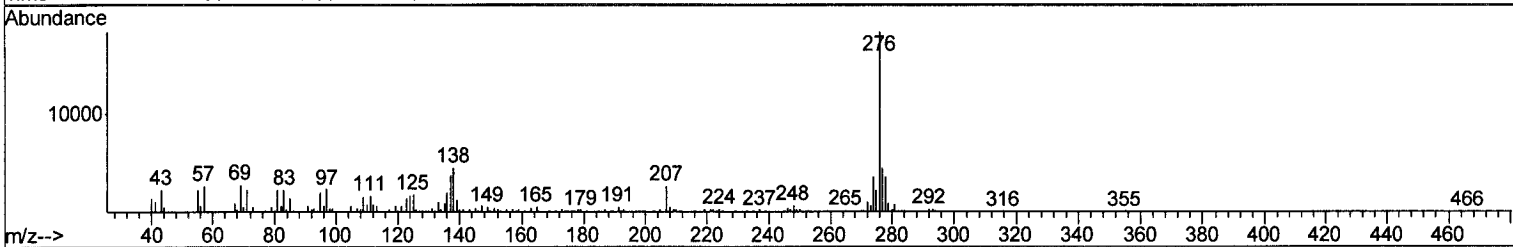
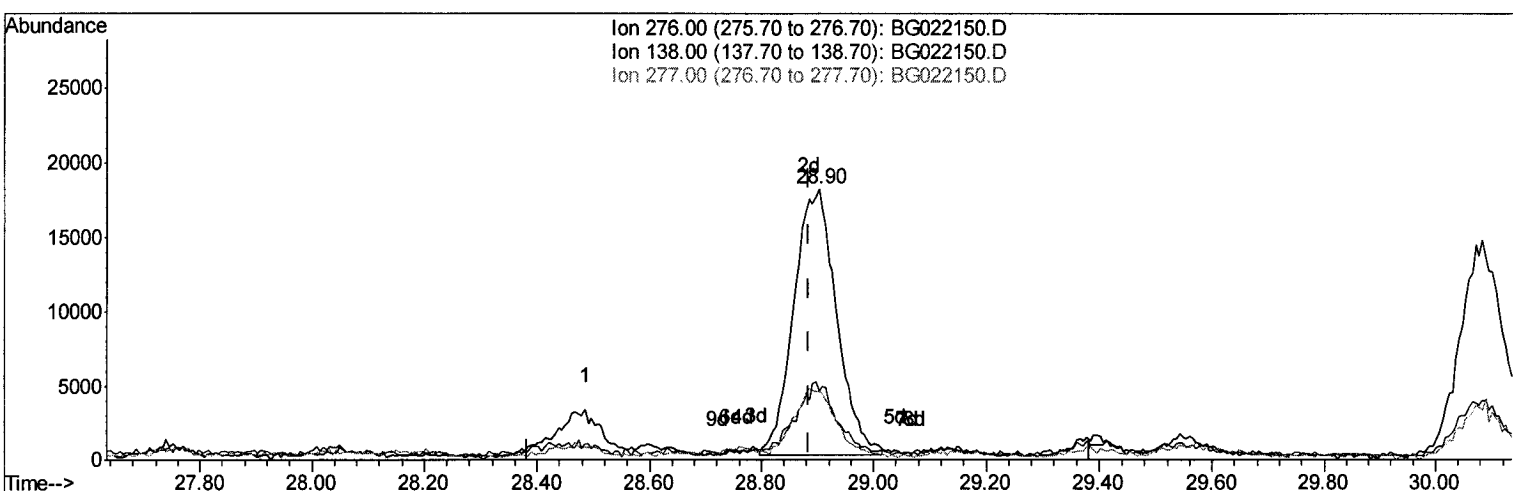
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 Operator : UM/SJ  
 Sample : H3302-07  
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Instrument :  
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 ClientSampleId :  
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umangi  
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TIC: BG022150.D

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

28.902min (+0.018) 5.76ng/ul m

response 94861

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 26.00 | 25.35 |
| 277.00 | 22.00 | 25.36 |
| 0.00   | 0.00  | 0.00  |

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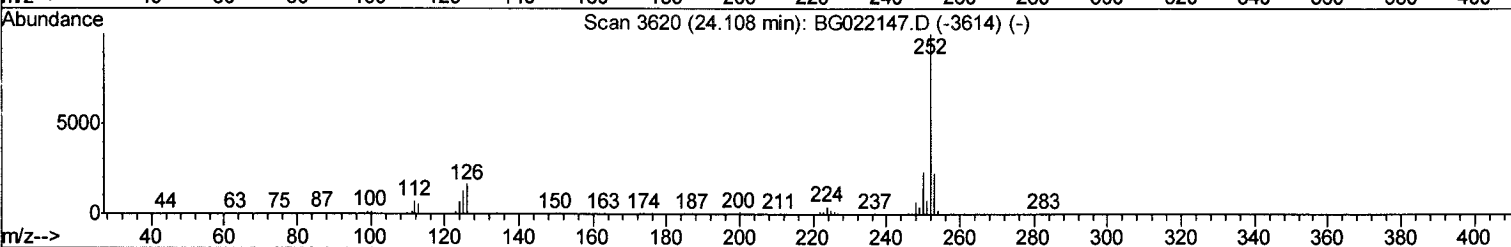
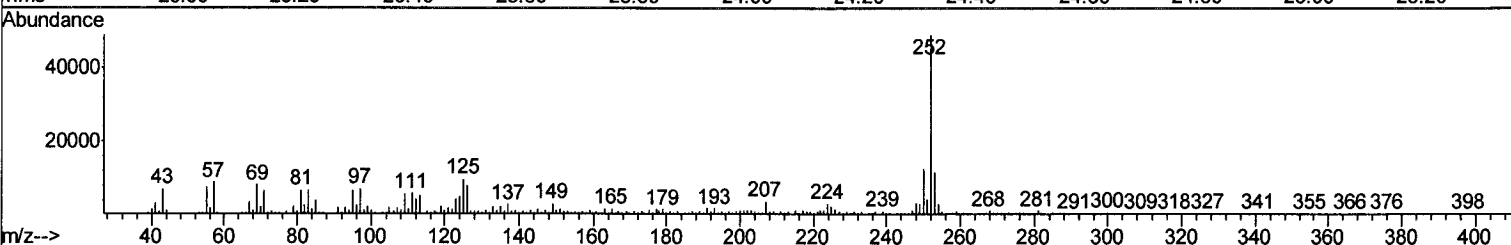
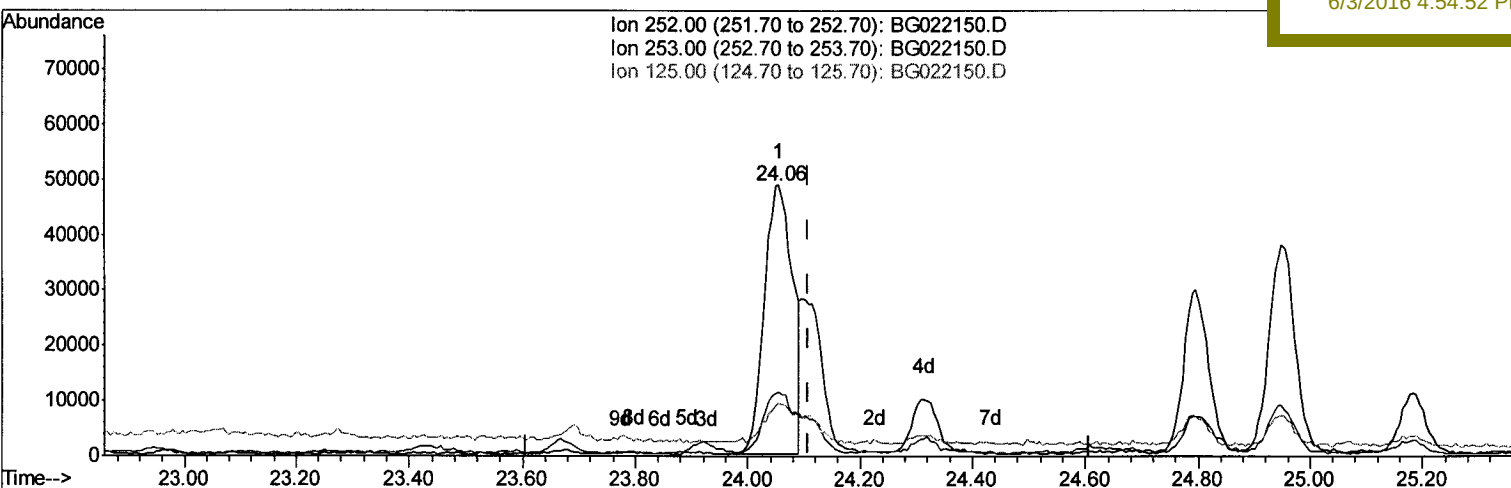
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Misc :  
ALS Vial : 5 Sample Multiplier: 1

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TIC: BG022150.D

(86) Benzo(k)fluoranthene

24.055min (-0.053) 11.80ng/ul

response 170863

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 19.70 | 23.71# |
| 125.00 | 13.30 | 19.69# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

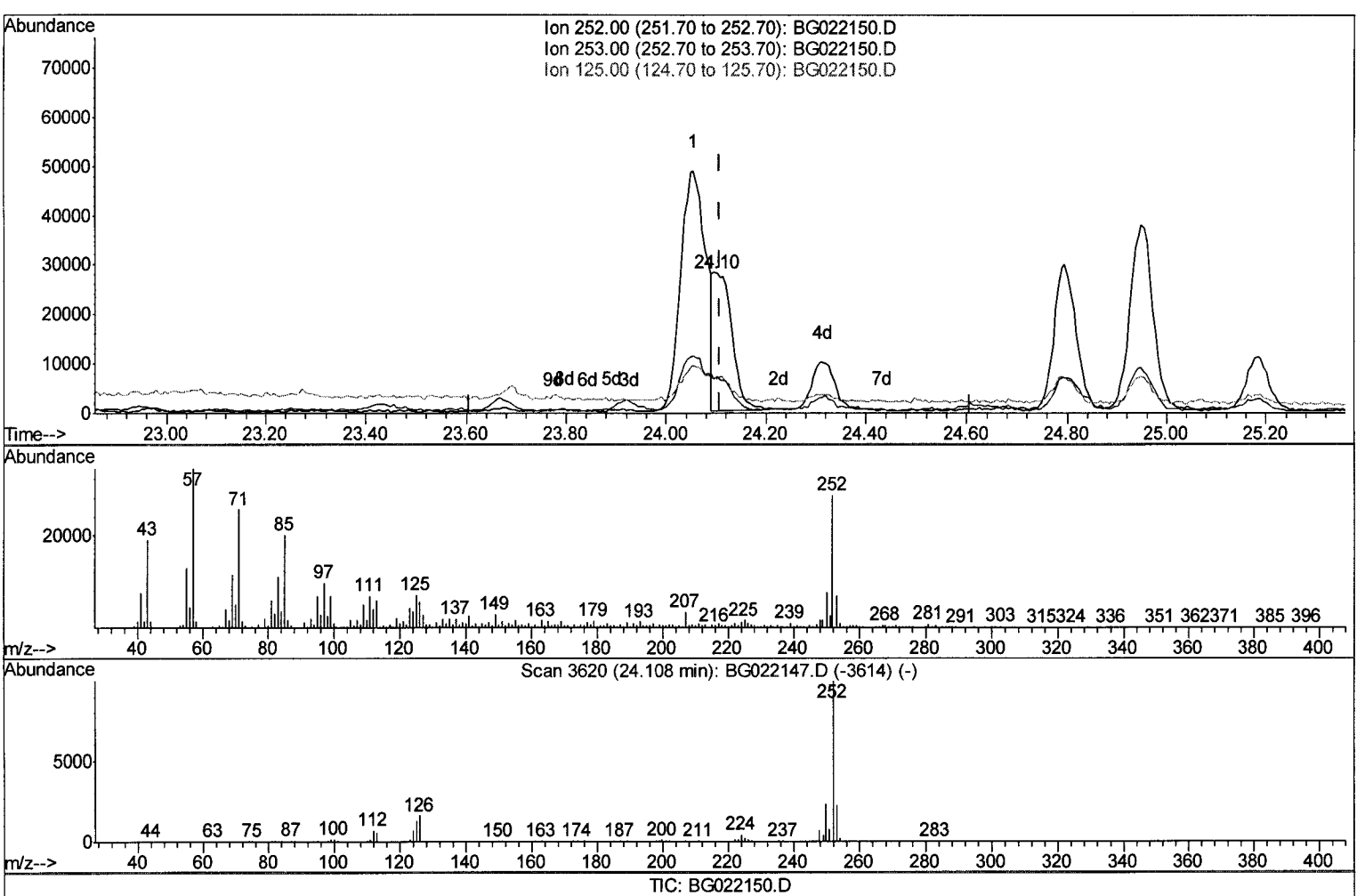
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060216\  
 Data File : BG022150.D  
 Acq On : 2 Jun 2016 12:48  
 Operator : UM/SJ  
 Sample : H3302-07  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 Client Sampled :  
 CB203

Manual Integrations  
 APPROVED

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 6/3/2016 4:54:52 PM

Quant Time: Jun 03 01:09:20 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
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 Response via : Initial Calibration



(86) Benzo(k)fluoranthene

24.096min (-0.011) 5.01ng/ul m

response 72628

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 19.70 | 24.18# |
| 125.00 | 13.30 | 25.34# |
| 0.00   | 0.00  | 0.00   |

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 06/03/16

# Quantitation Report (Qedit)

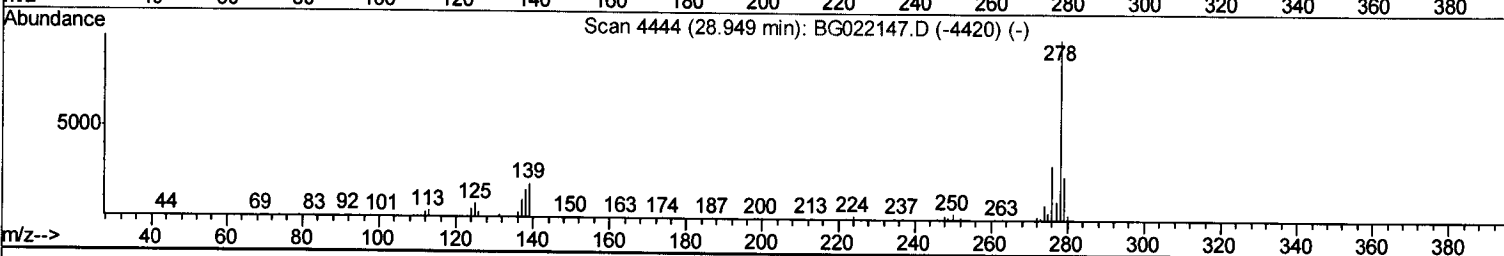
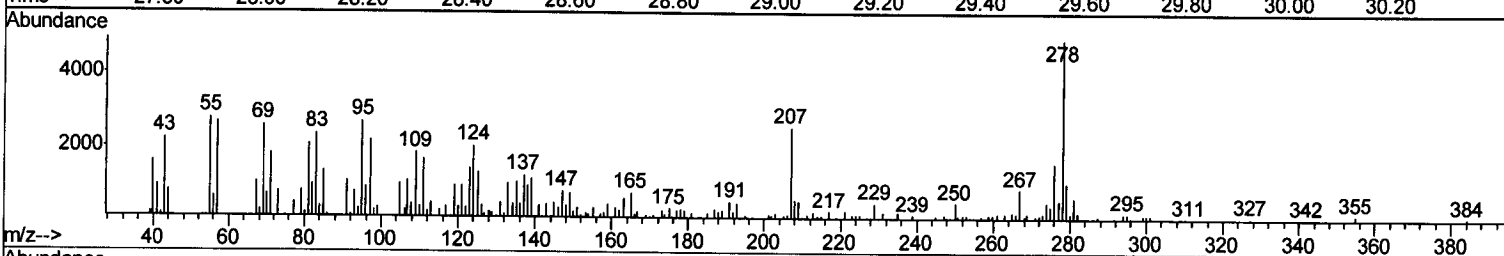
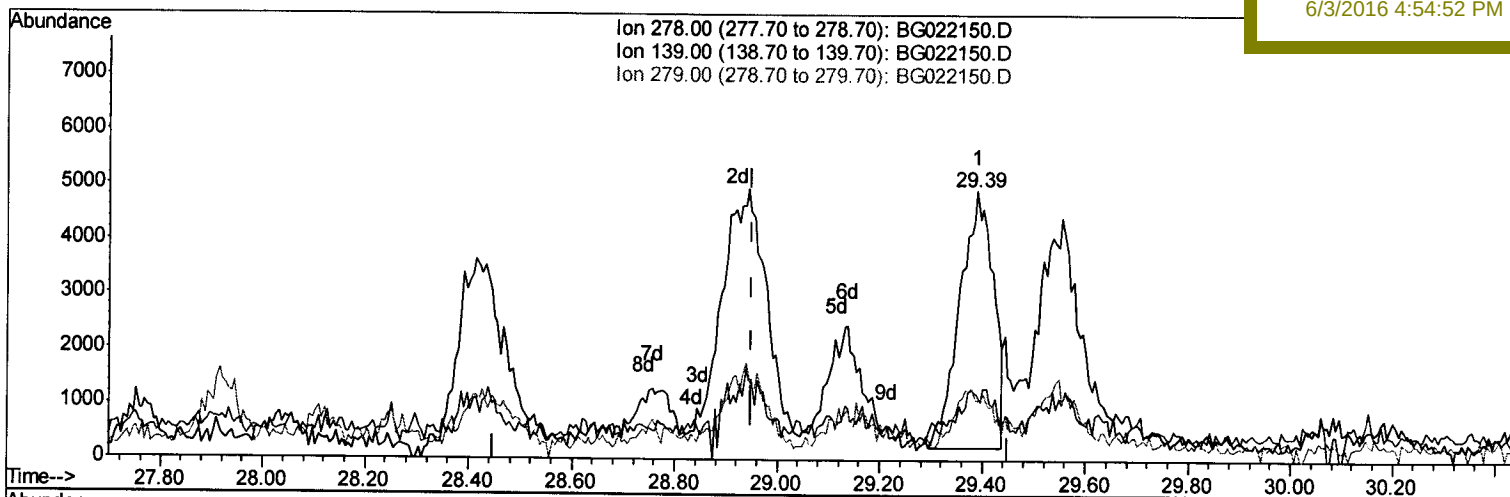
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG060216\  
 Data File : BG022150.D  
 Acq On : 2 Jun 2016 12:48  
 Operator : UM/SJ  
 Sample : H3302-07  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 09 04:36:48 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jun 03 01:08:24 2016  
 Response via : Initial Calibration

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 BNA\_G  
 ClientSampleId :  
 CB203

Manual Integrations  
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TIC: BG022150.D

(90) Dibenzo(a,h)anthracene

29.390min (+0.441) 1.53ng/ul

response 21024

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 278.00 | 100   | 100   |
| 139.00 | 20.40 | 24.22 |
| 279.00 | 23.90 | 22.03 |
| 0.00   | 0.00  | 0.00  |



# Quantitation Report (Qedit)

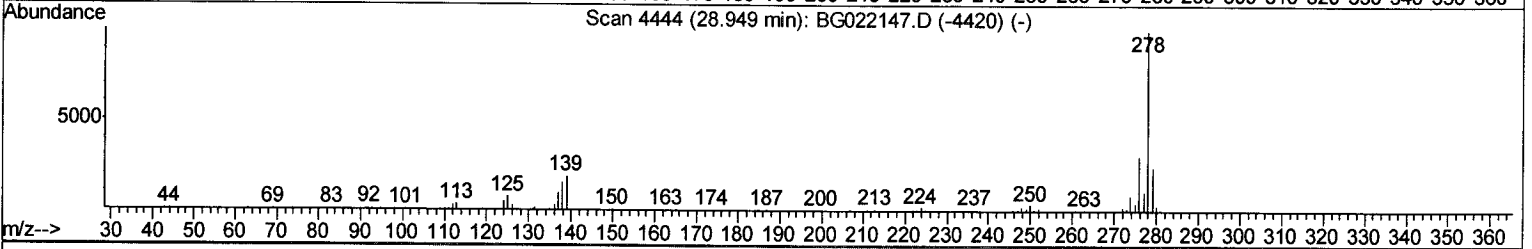
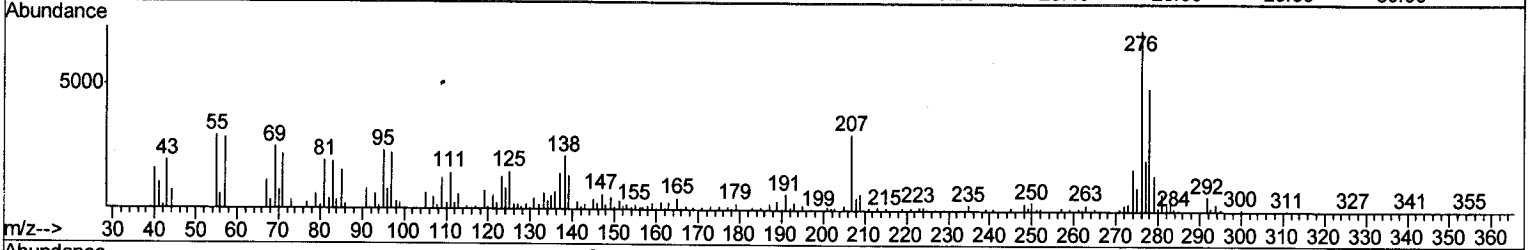
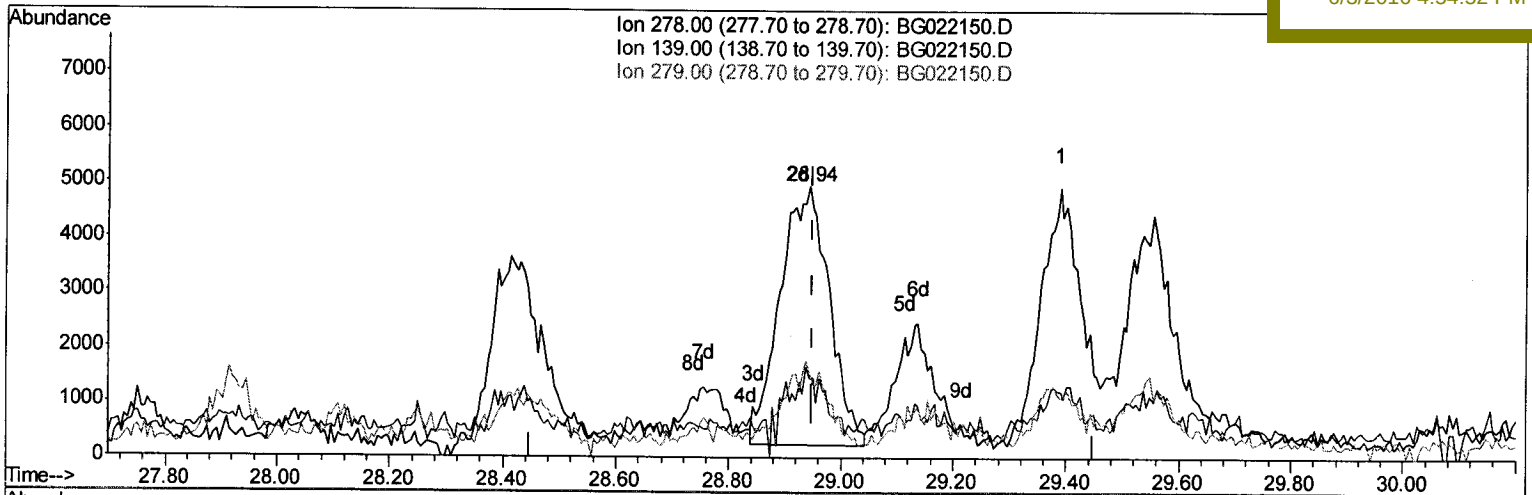
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 Acq On : 2 Jun 2016 12:48  
 Operator : UM/SJ  
 Sample : H3302-07  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

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TIC: BG022150.D

(90) Dibenzo(a,h)anthracene

28.943min (-0.006) 2.06ng/ul m

response 28388

Ion Exp% Act%

278.00 100 100

139.00 20.40 29.04#

279.00 23.90 30.98#

0.00 0.00 0.00

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 ALS Vial : 5 Sample Multiplier: 1

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| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev (Min) |
|---------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.13  | 152  | 44432    | 20.00 | ng/ul | 0.00      |
| 18) Naphthalene-d8        | 10.95 | 136  | 222175   | 20.00 | ng/ul | 0.00      |
| 35) Acenaphthene-d10      | 14.77 | 164  | 127540   | 20.00 | ng/ul | 0.00      |
| 61) Phenanthrene-d10      | 17.51 | 188  | 249414   | 20.00 | ng/ul | 0.00      |
| 75) Chrysene-d12          | 21.79 | 240  | 257610   | 20.00 | ng/ul | 0.00      |
| 83) Perylene-d12          | 25.11 | 264  | 254289   | 20.00 | ng/ul | 0.01      |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.51  | 96  | 935    | 1.10  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.29  | 99  | 51453  | 12.82 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl) ether-d | 7.45  | 67  | 28063  | 13.33 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.67  | 132 | 44827  | 13.36 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.84  | 113 | 40413  | 11.87 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.31  | 128 | 23463  | 14.32 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.03 | 143 | 23647  | 13.32 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.58 | 165 | 41074  | 13.12 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.09 | 131 | 65004  | 19.06 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.16 | 166 | 140712 | 14.69 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.46 | 160 | 190583 | 14.25 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.98 | 143 | 9649   | 5.85  | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.75 | 176 | 126637 | 14.12 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.88 | 200 | 11070  | 8.49  | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.60 | 188 | 176711 | 14.76 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.88 | 212 | 189280 | 13.03 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 24.88 | 264 | 160633 | 13.61 | ng/ul | 0.01 |

## Target Compounds

|                                |       |     |        |       |        | Qvalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 27) 2,4-Dichlorophenol         | 10.61 | 162 | 3084   | 1.00  | ng/ul  | 94     |
| 28) Naphthalene                | 11.01 | 128 | 320074 | 28.41 | ng/ul  | 99     |
| 34) 2-Methylnaphthalene        | 12.60 | 142 | 473570 | 58.81 | ng/ul  | 97     |
| 40) 1,1'-Biphenyl              | 13.60 | 154 | 179529 | 17.10 | ng/ul  | 98     |
| 44) Dimethylphthalate          | 14.20 | 163 | 44064  | 4.58  | ng/ul  | 96     |
| 49) Acenaphthene               | 14.82 | 153 | 334244 | 35.51 | ng/ul  | 98     |
| 53) Dibenzofuran               | 15.16 | 168 | 241988 | 20.79 | ng/ul  | 97     |
| 58) Fluorene                   | 15.81 | 166 | 77602  | 7.90  | ng/ul# | 99     |
| 69) Phenanthrene               | 17.55 | 178 | 167902 | 12.10 | ng/ul  | 99     |
| 71) Anthracene                 | 17.64 | 178 | 33655m | 2.40  | ng/ul  | 83     |
| 72) Carbazole                  | 17.92 | 167 | 18369  | 1.51  | ng/ul# | 97     |
| 74) Fluoranthene               | 19.55 | 202 | 219696 | 15.50 | ng/ul  | 98     |
| 77) Pyrene                     | 19.91 | 202 | 197639 | 10.90 | ng/ul  | 92     |
| 80) Benzo(a)anthracene         | 21.77 | 228 | 129664 | 8.58  | ng/ul  | 99     |
| 81) Bis(2-ethylhexyl)phthalate | 21.65 | 149 | 629728 | 51.51 | ng/ul  | 94     |
| 82) Chrysene                   | 21.83 | 228 | 128127 | 8.84  | ng/ul# | 100    |
| 84) Di-n-octyl phthalate       | 22.89 | 149 | 76524  | 3.69  | ng/ul  | 93     |
| 85) Benzo(b)fluoranthene       | 24.06 | 252 | 170863 | 11.48 | ng/ul# | 96     |
| 86) Benzo(k)fluoranthene       | 24.10 | 252 | 72628m | 5.01  | ng/ul  | 99     |
| 88) Benzo(a)pyrene             | 24.95 | 252 | 122725 | 8.55  | ng/ul# | 99     |
| 89) Indeno(1,2,3-cd)pyrene     | 28.90 | 276 | 94861m | 5.76  | ng/ul  |        |
| 90) Dibenzo(a,h)anthracene     | 28.94 | 278 | 28388m | 2.06  | ng/ul  |        |
| 91) Benzo(g,h,i)perylene       | 30.08 | 276 | 75278  | 5.71  | ng/ul  |        |

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| Internal Standards | R.T. | Q | Ion | Response | Conc | Units | Dev | (Min) |
|--------------------|------|---|-----|----------|------|-------|-----|-------|
| -----              |      |   |     |          |      |       |     |       |
| -----              |      |   |     |          |      |       |     |       |

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