

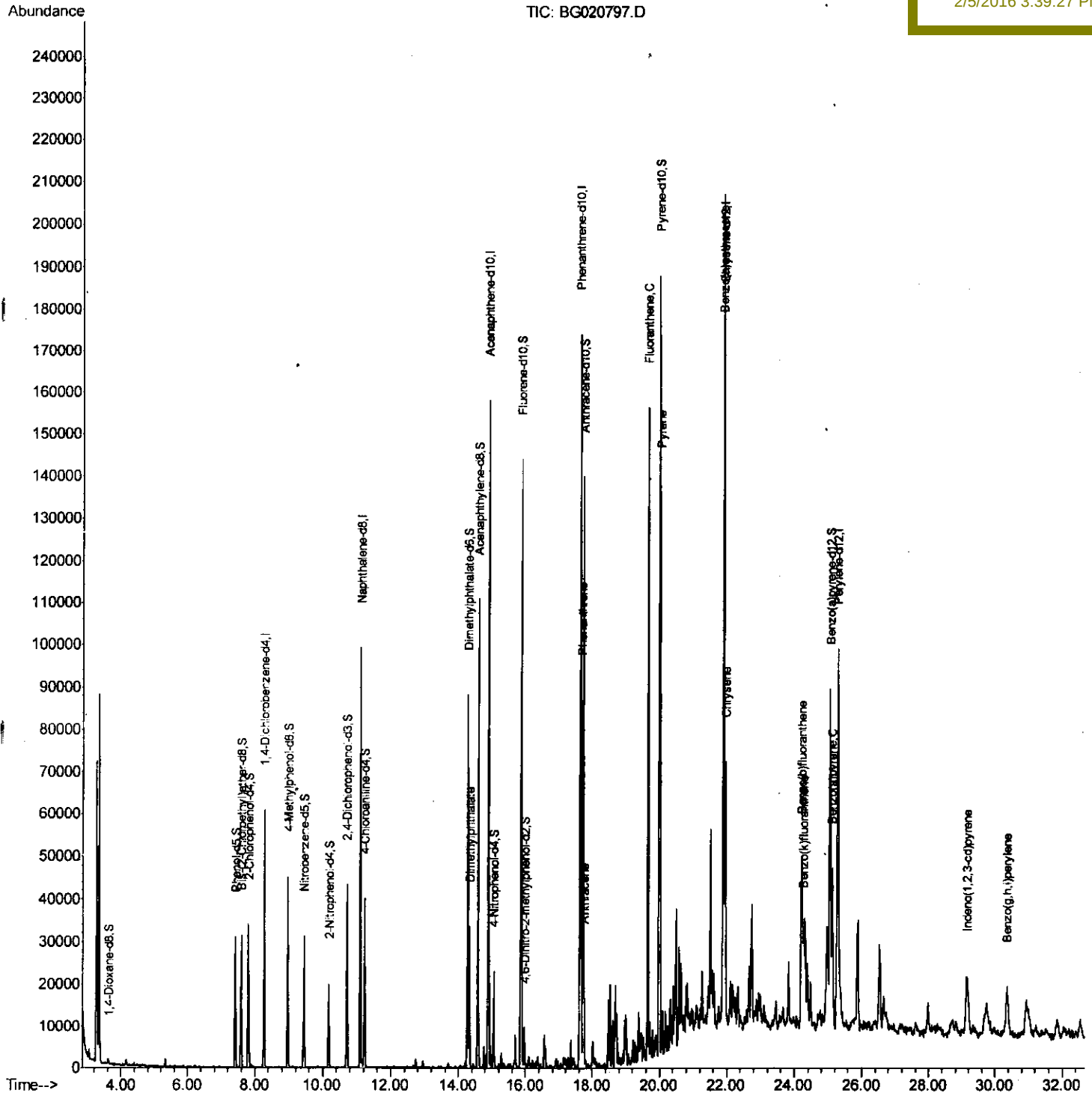
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG020416\  
Data File : BG020797.D  
Acq On : 4 Feb 2016 22:25  
Operator : SJ/IZ  
Sample : H1334-20  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 05 07:48:19 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG012716.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Feb 05 07:34:32 2016  
Response via : Initial Calibration

Instrument :  
BNA\_G  
ClientSampleID :  
BBG17

Manual Integrations  
APPROVED

mohammad  
2/5/2016 3:39:27 PM



# Quantitation Report (Qedit)

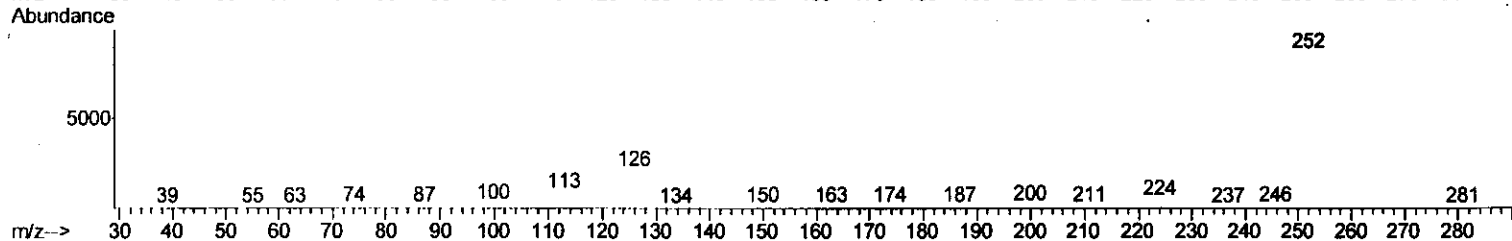
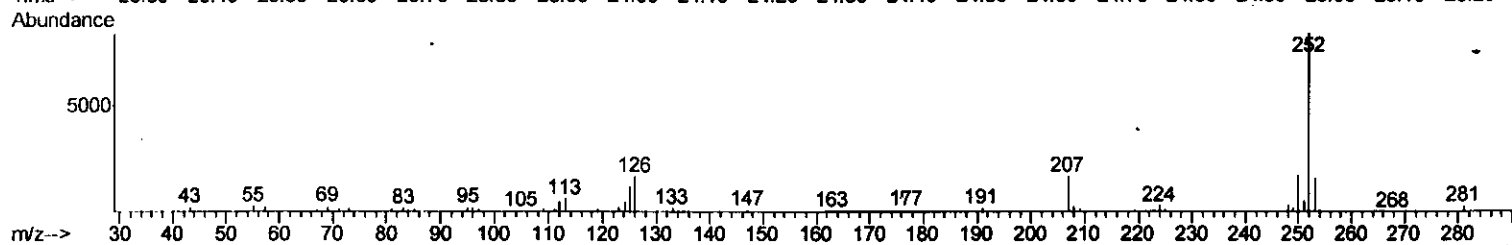
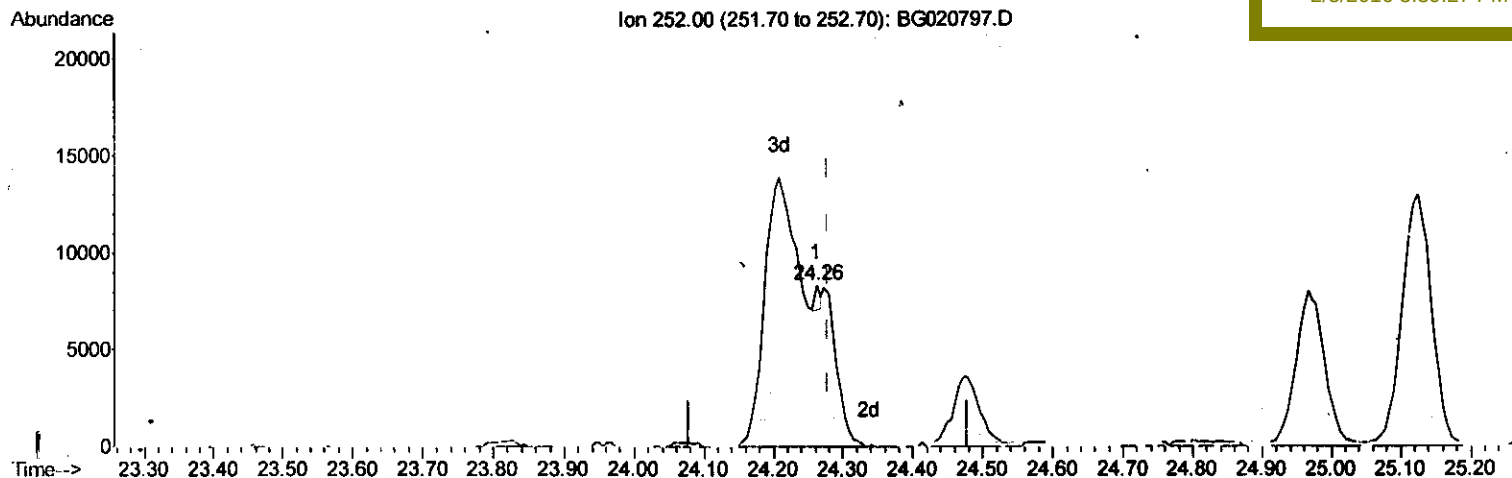
Data Path : Z:\HPCHEM1\BNA G\DATA\BG020416\  
 Data File : BG020797.D  
 Acq On : 4 Feb 2016 22:25  
 Operator : SJ/IZ  
 Sample : H1334-20  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampled :  
 BBG17

Quant Time: Feb 05 07:38:55 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG012716.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Feb 05 07:34:32 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

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(89) Benzo(k)fluoranthene

24.261min (-0.018) 0.12ng/ul

response 695

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 21.40 | 19.87  |
| 125.00 | 6.70  | 16.22# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

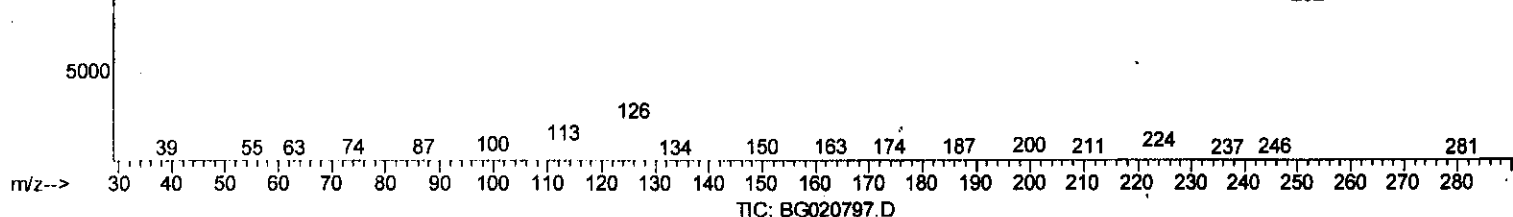
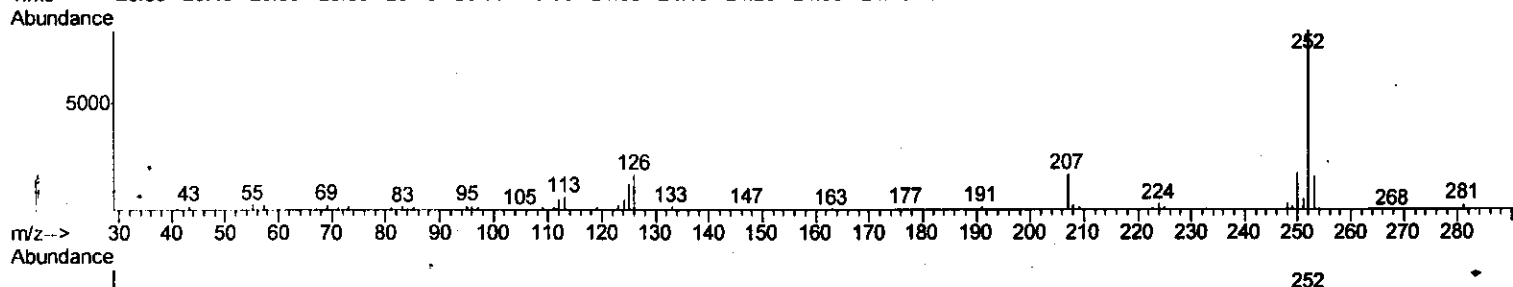
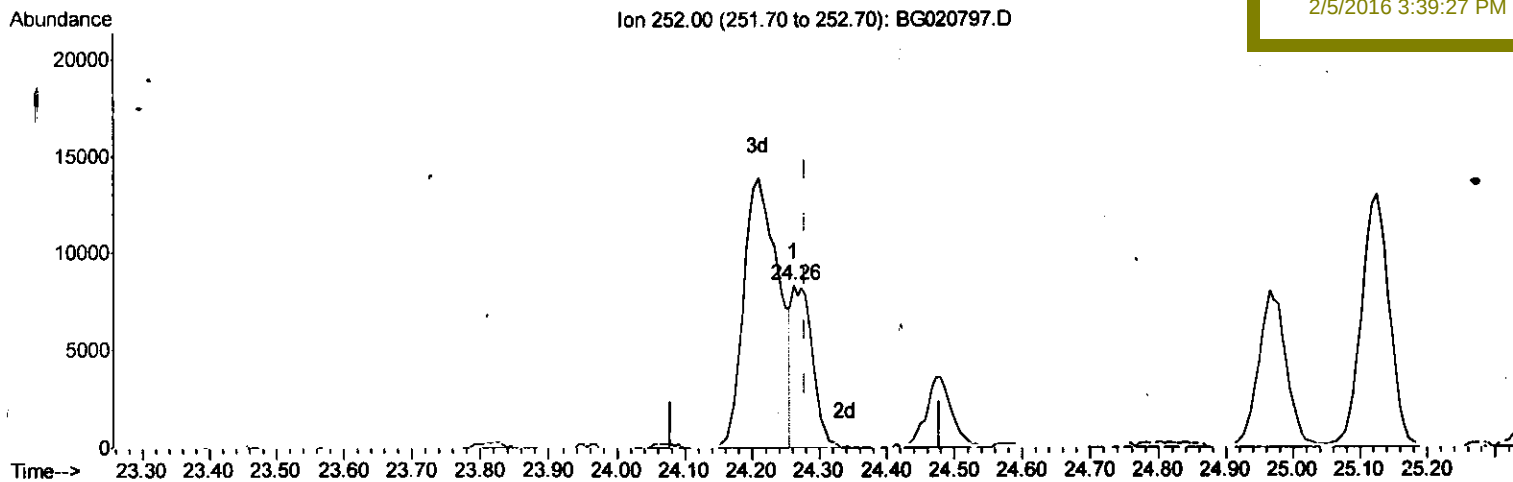
Data Path : Z:\HPCHEM1\BNA G\DATA\BG020416\  
 Data File : BG020797.D  
 Acq On : 4 Feb 2016 22:25  
 Operator : SJ/IZ  
 Sample : H1334-20  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 05 07:38:55 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG012716.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Feb 05 07:34:32 2016  
 Response via : Initial Calibration

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BBG17

Manual Integrations  
 APPROVED

mohammad  
 2/5/2016 3:39:27 PM



(89) Benzo(k)fluoranthene

24.261min (-0.018) 3.06ng/ul m *S.J*  
*2/9/16*

response 17028

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 21.40 | 19.87  |
| 125.00 | 6.70  | 16.22# |
| 0.00   | 0.00  | 0.00   |

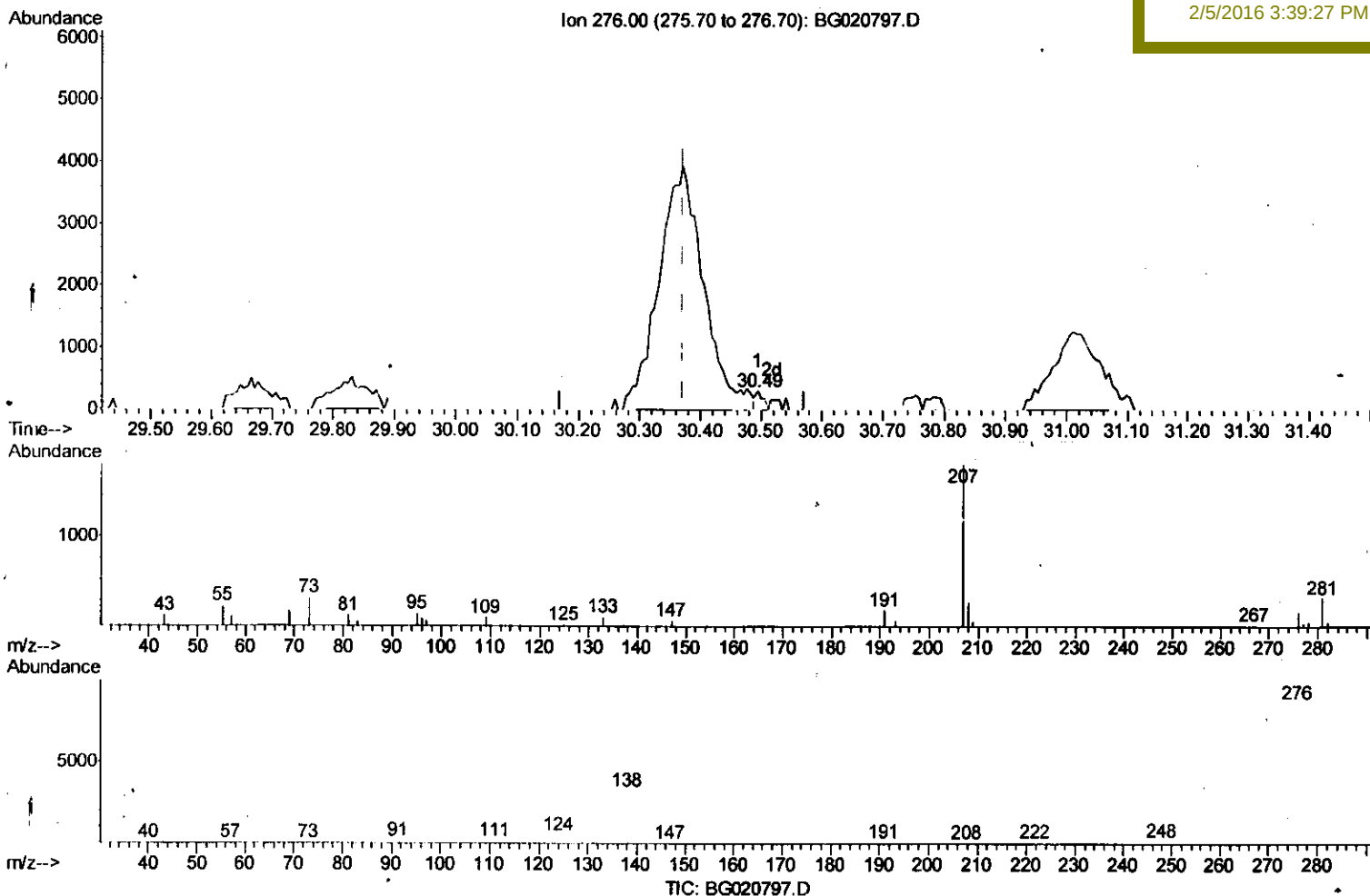
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG020416\  
Data File : BG020797.D  
Acq On : 4 Feb 2016 22:25  
Operator : SJ/IZ  
Sample : H1334-20  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 05 07:47:16 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG012716.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Feb 05 07:34:32 2016  
Response via : Initial Calibration

Instrument :  
BNA\_G  
ClientSampleId :  
BBG17

Manual Integrations  
APPROVED

mohammad  
2/5/2016 3:39:27 PM



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

30.494min (+0.123) 0.04ng/ul

response 231

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 14.00 | 0.00#  |
| 277.00 | 23.80 | 63.51# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

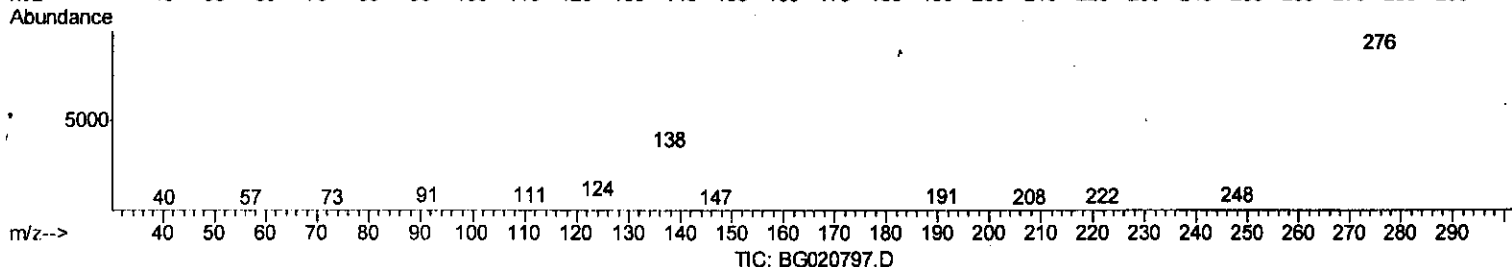
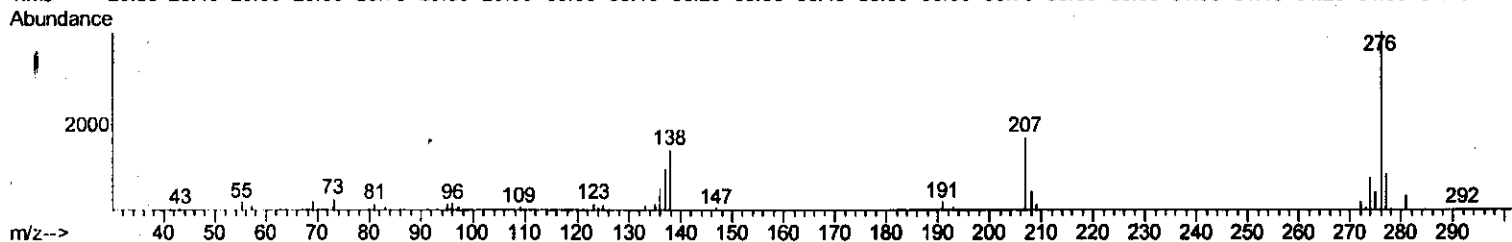
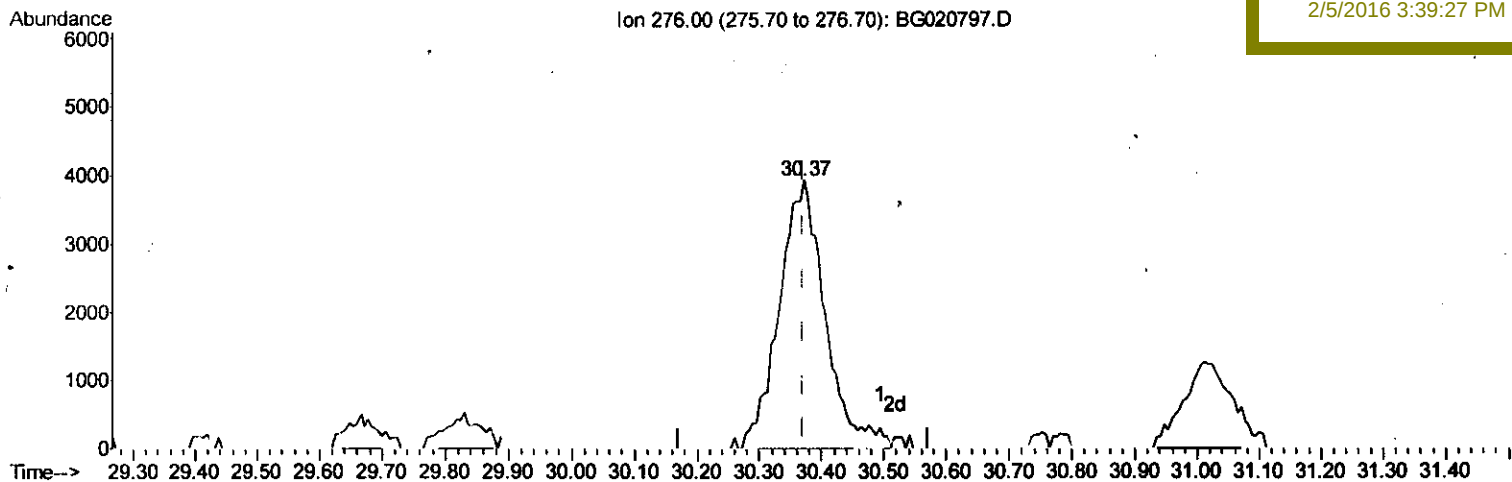
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG020416\  
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 Acq On : 4 Feb 2016 22:25  
 Operator : SJ/IZ  
 Sample : H1334-20  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 05 07:47:16 2016  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Feb 05 07:34:32 2016  
 Response via : Initial Calibration

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BBG17

Manual Integrations  
 APPROVED

mohammad  
 2/5/2016 3:39:27 PM



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

30.371min (-0.000) 3.90ng/ul m

response 20326

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 14.00 | 37.02# |
| 277.00 | 23.80 | 23.72  |
| 0.00   | 0.00  | 0.00   |

3.5  
 2/3/16

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG020416\  
 Data File : BG020797.D  
 Acq On : 4 Feb 2016 22:25  
 Operator : SJ/IZ  
 Sample : H1334-20  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BBG17

Quant Time: Feb 05 07:48:19 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG012716.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Feb 05 07:34:32 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

mohammad  
 2/5/2016 3:39:27 PM

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.28  | 152  | 18767    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.10 | 136  | 95724    | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.89 | 164  | 54878    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.62 | 188  | 106595   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.90 | 240  | 92712    | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 25.28 | 264  | 86692    | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |       |       |      |
|--------------------------------|-------|-----|-------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.61  | 96  | 913   | 2.33  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.41  | 99  | 23932 | 12.46 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.59  | 67  | 14411 | 14.40 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.80  | 132 | 20909 | 14.50 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.97  | 113 | 20522 | 12.38 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.45  | 128 | 10185 | 17.44 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.17 | 143 | 9043  | 17.66 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.71 | 165 | 19666 | 14.07 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.23 | 131 | 26862 | 13.66 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.28 | 166 | 64538 | 13.77 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.59 | 160 | 87484 | 15.31 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 15.05 | 143 | 6888  | 8.31  | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.87 | 176 | 58320 | 14.23 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.97 | 200 | 2971  | 8.44  | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.72 | 188 | 82021 | 15.65 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.98 | 212 | 80332 | 15.96 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 25.05 | 264 | 76878 | 16.55 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |        |       |        | Qvalue |
|----------------------------|-------|-----|--------|-------|--------|--------|
| 45) Dimethylphthalate      | 14.33 | 163 | 24642  | 5.04  | ng/ul  | 99     |
| 70) Phenanthrene           | 17.66 | 178 | 54960  | 8.21  | ng/ul  | 98     |
| 72) Anthracene             | 17.75 | 178 | 15537  | 2.32  | ng/ul  | 99     |
| 77) Fluoranthene           | 19.66 | 202 | 92509  | 13.45 | ng/ul# | 81     |
| 80) Pyrene                 | 20.01 | 202 | 79194  | 11.30 | ng/ul# | 76     |
| 83) Benzo(a)anthracene     | 21.88 | 228 | 47905  | 8.02  | ng/ul  | 95     |
| 85) Chrysene               | 21.95 | 228 | 40122  | 7.23  | ng/ul  | 95     |
| 88) Benzo(b)fluoranthene   | 24.21 | 252 | 49867  | 8.78  | ng/ul# | 90     |
| 89) Benzo(k)fluoranthene   | 24.26 | 252 | 17028m | 3.06  | ng/ul  |        |
| 91) Benzo(a)pyrene         | 25.13 | 252 | 37543  | 6.91  | ng/ul# | 92     |
| 92) Indeno(1,2,3-cd)pyrene | 29.15 | 276 | 23254  | 3.66  | ng/ul# | 80     |
| 94) Benzo(g,h,i)perylene   | 30.37 | 276 | 20326m | 3.90  | ng/ul  |        |

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

S.J  
 2/9/16