

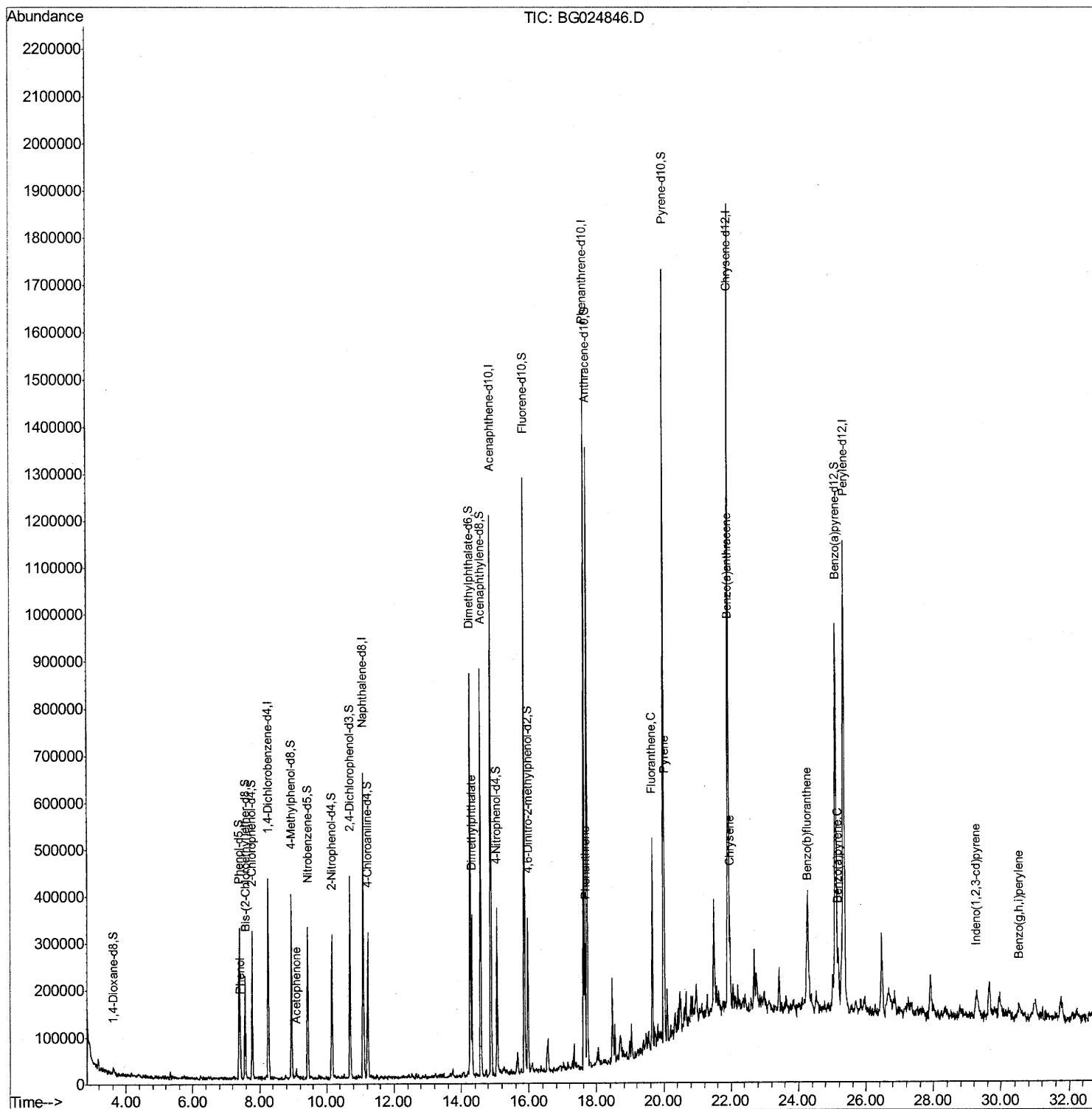
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG111816\  
Data File : BG024846.D  
Acq On : 19 Nov 2016 4:47  
Operator : UM/SJ  
Sample : H5695-11  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_G  
Client Sampled :  
JHST6

Manual Integrations  
APPROVED

sohil  
11/21/2016 3:42:07 PM

Quant Time: Nov 19 05:37:40 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG111416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Nov 19 03:34:56 2016  
Response via : Initial Calibration



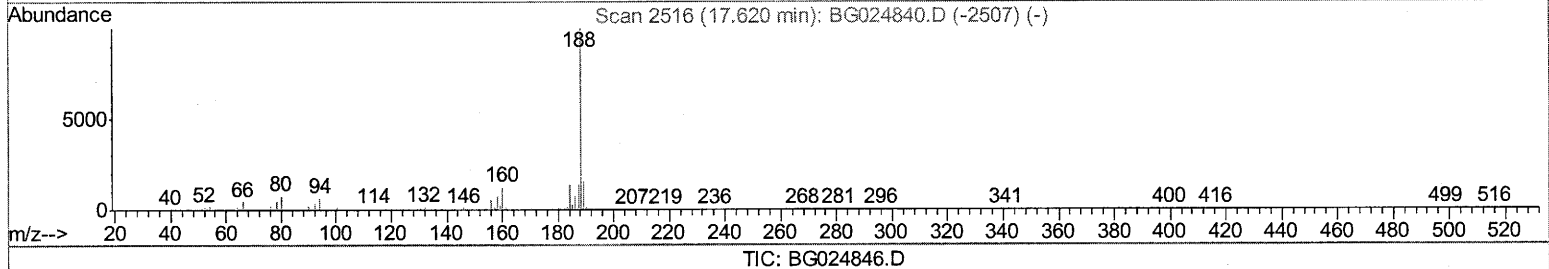
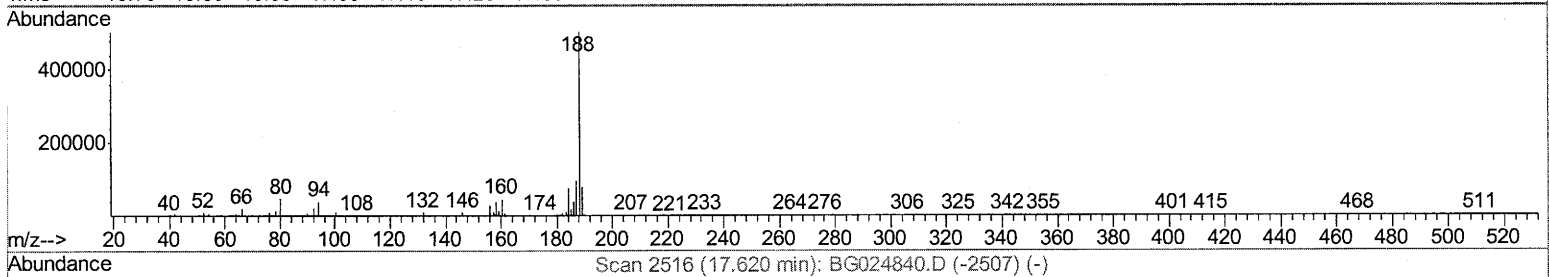
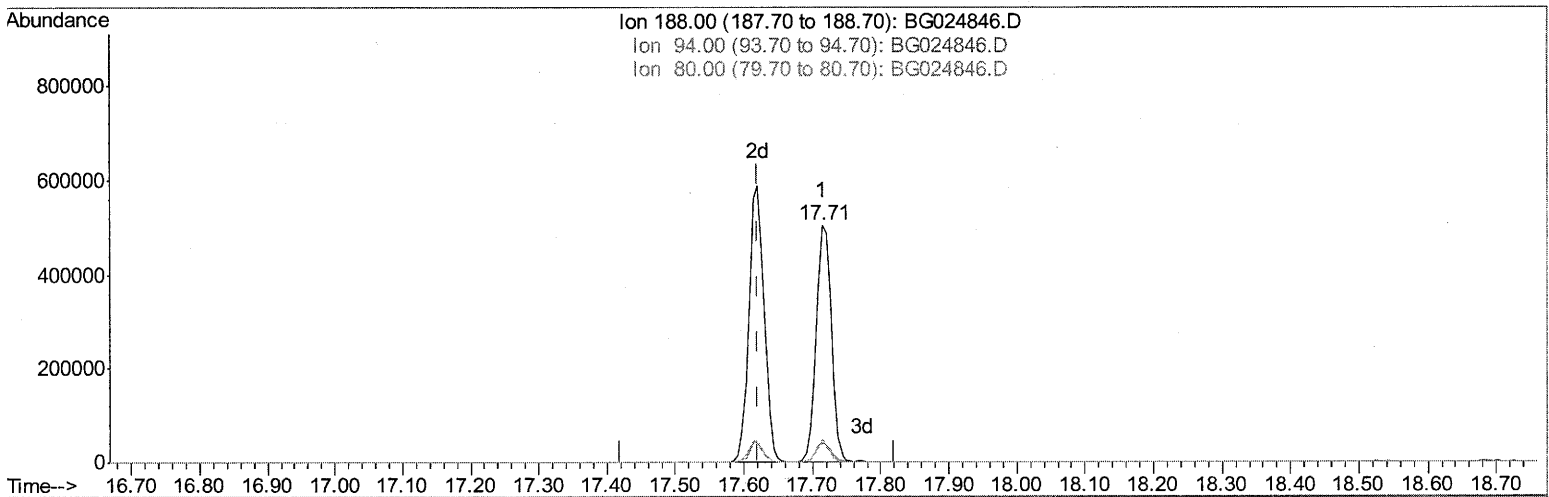
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG111816\  
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JHST6

Manual Integrations  
APPROVED

sohil  
11/21/2016 3:42:07 PM

Quant Time: Nov 19 05:34:19 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG111416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Nov 19 03:34:56 2016  
Response via : Initial Calibration



(61) Phenanthrene-d10 (I)

17.714min (+0.094) 20.00ng/ul

response 781087

| Ion    | Exp% | Act% |
|--------|------|------|
| 188.00 | 100  | 100  |
| 94.00  | 8.80 | 7.78 |
| 80.00  | 9.50 | 9.38 |
| 0.00   | 0.00 | 0.00 |

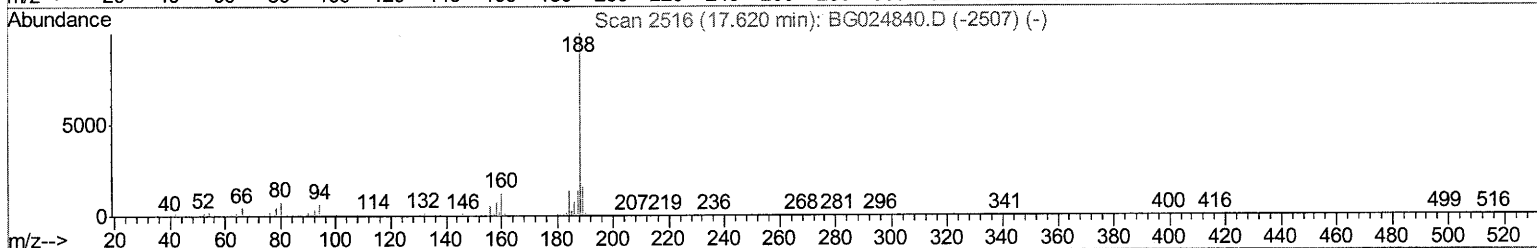
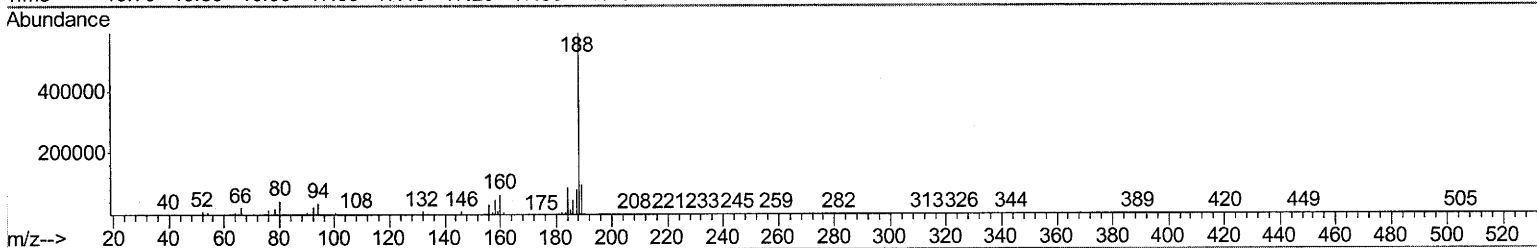
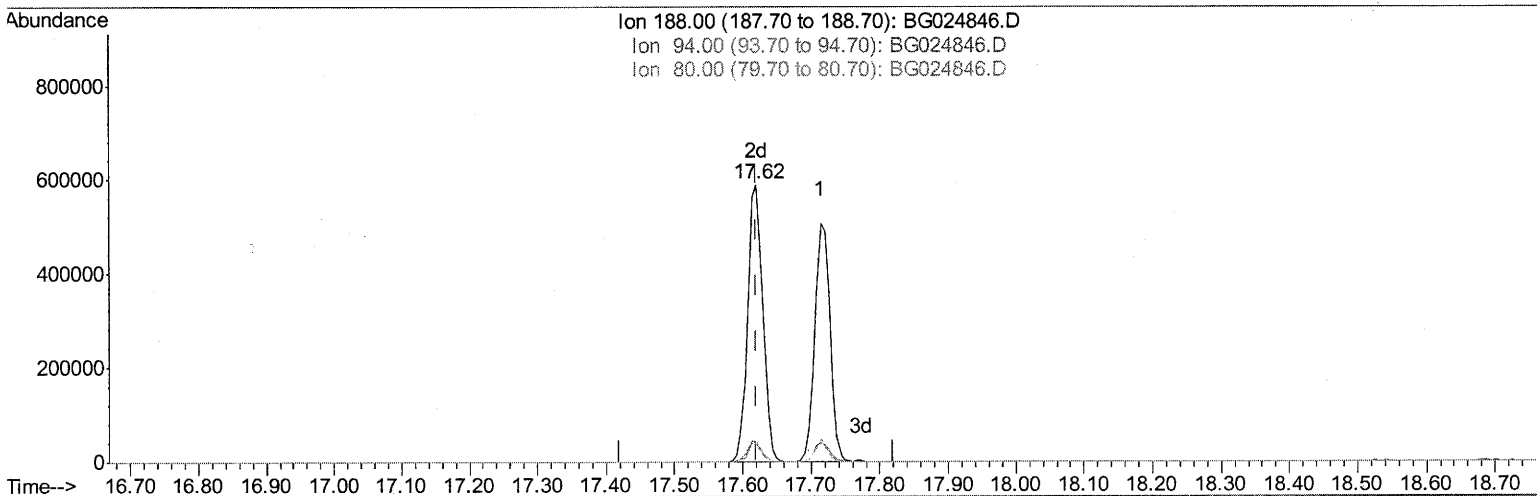
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG111816\  
Data File : BG024846.D  
Acq On : 19 Nov 2016 4:47  
Operator : UM/SJ  
Sample : H5695-11  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampled :  
JHST6

Manual Integrations  
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Quant Time: Nov 19 05:34:19 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG111416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Nov 19 03:34:56 2016  
Response via : Initial Calibration



TIC: BG024846.D

(61) Phenanthrene-d10 (I)

17.620min (-0.000) 20.00ng/ul m

response 921702

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 188.00 | 100  | 100   |
| 94.00  | 8.80 | 6.30# |
| 80.00  | 9.50 | 7.59# |
| 0.00   | 0.00 | 0.00  |

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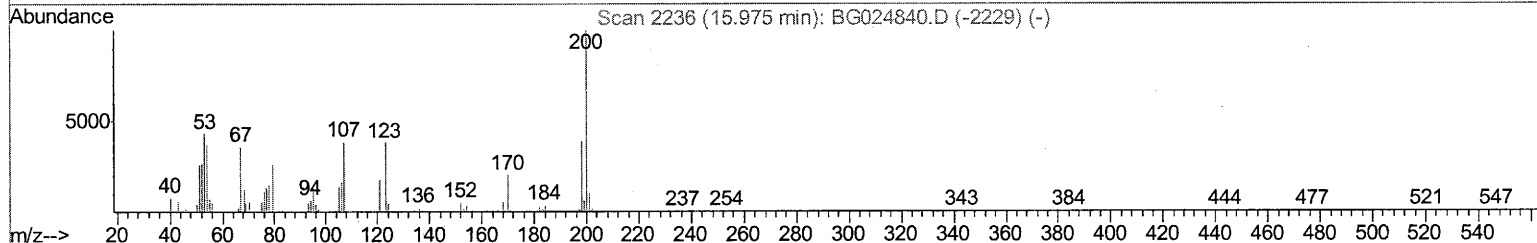
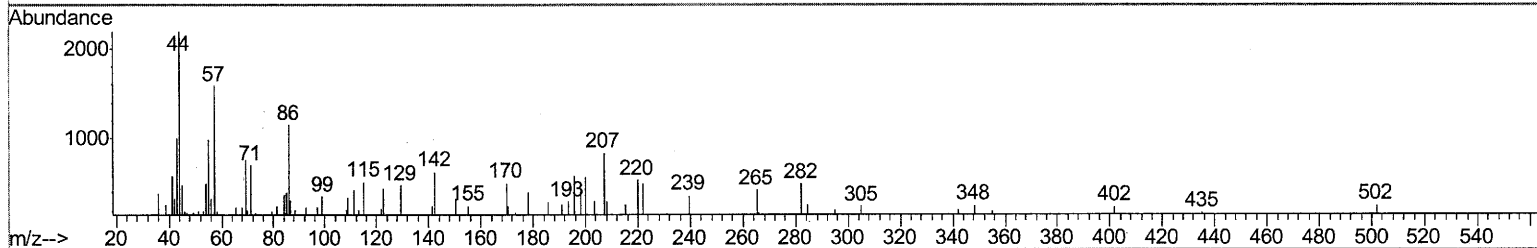
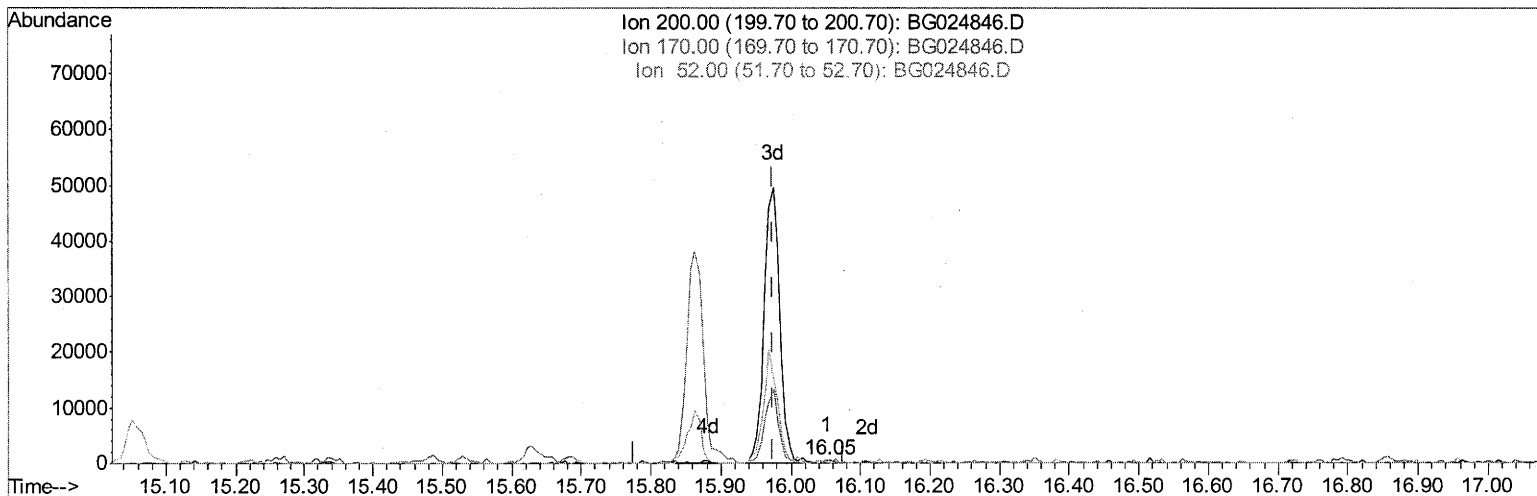
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG111816\  
Data File : BG024846.D  
Acq On : 19 Nov 2016 4:47  
Operator : UM/SJ  
Sample : H5695-11  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampled :  
JHST6

Manual Integrations  
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Quant Time: Nov 19 05:35:25 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG111416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Nov 19 03:34:56 2016  
Response via : Initial Calibration



TIC: BG024846.D

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

16.051min (+0.076) 0.08ng/ul

response 507

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 200.00 | 100   | 100     |
| 170.00 | 23.20 | 132.34# |
| 52.00  | 47.20 | 30.23#  |
| 0.00   | 0.00  | 0.00    |

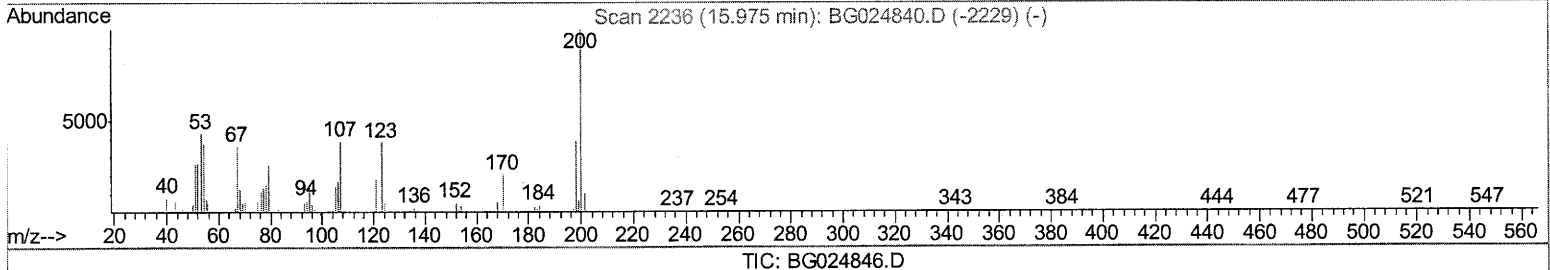
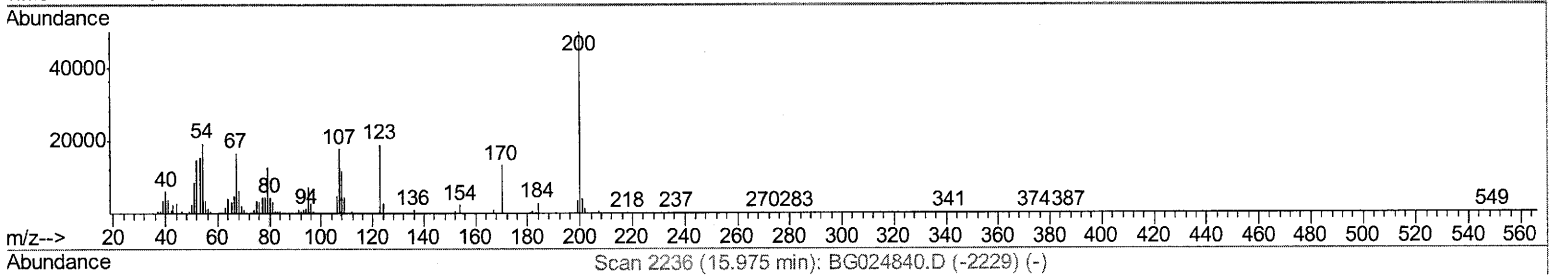
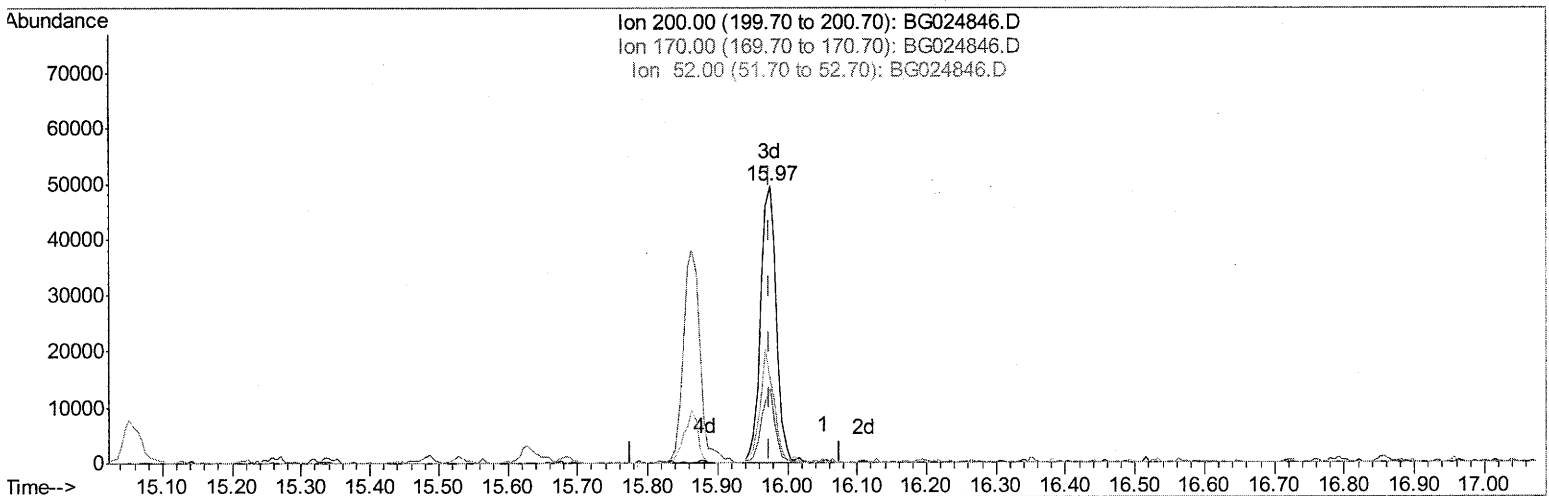
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG111816\  
Data File : BG024846.D  
Acq On : 19 Nov 2016 4:47  
Operator : UM/SJ  
Sample : H5695-11  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampled :  
JHST6

Manual Integrations  
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Quant Time: Nov 19 05:35:25 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG111416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Nov 19 03:34:56 2016  
Response via : Initial Calibration



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

15.975min (-0.000) 12.23ng/ul m *UM*

response 77507

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| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 200.00 | 100   | 100    |
| 170.00 | 23.20 | 26.64  |
| 52.00  | 47.20 | 29.60# |
| 0.00   | 0.00  | 0.00   |

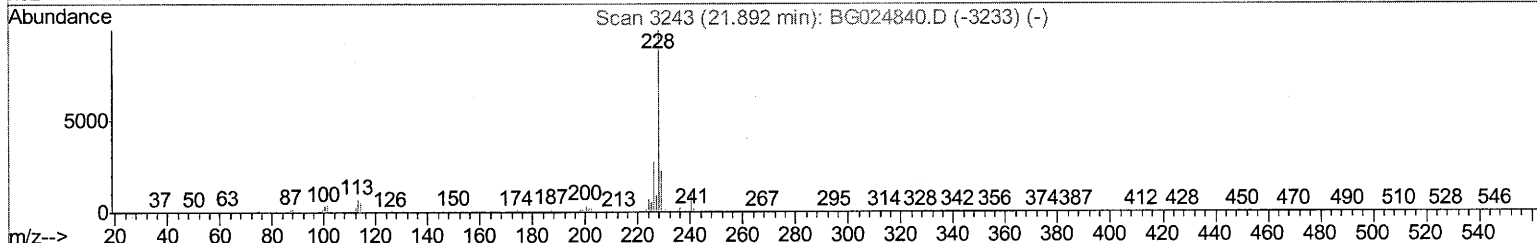
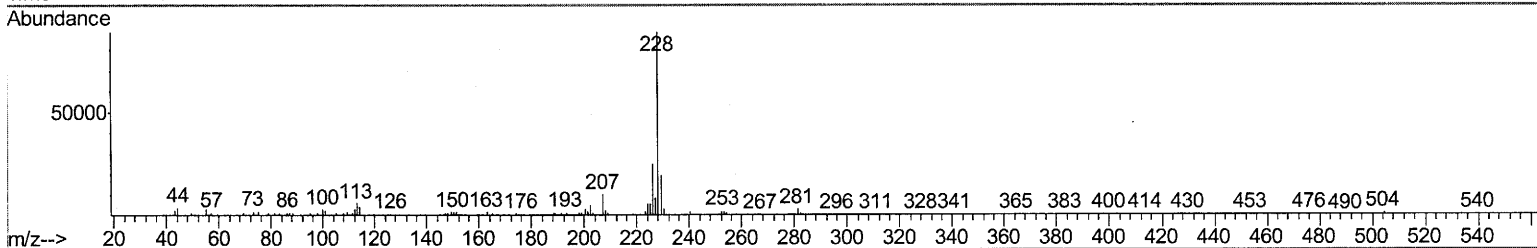
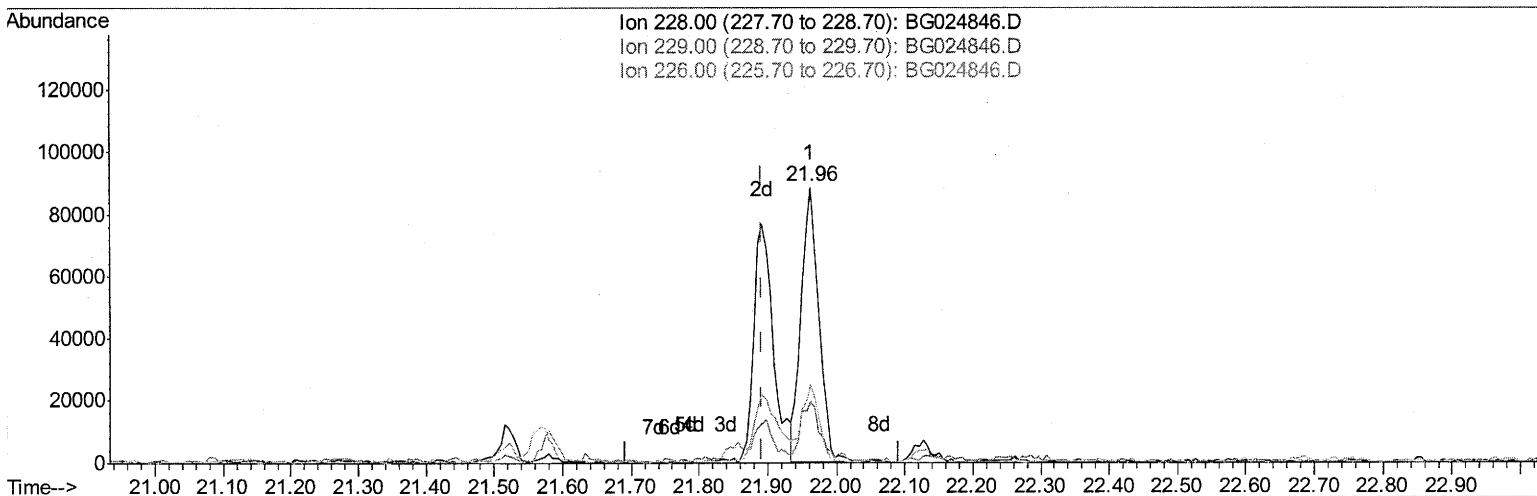
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG111816\  
Data File : BG024846.D  
Acq On : 19 Nov 2016 4:47  
Operator : UM/SJ  
Sample : H5695-11  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampled :  
JHST6

Manual Integrations  
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11/21/2016 3:42:07 PM

Quant Time: Nov 19 05:35:25 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG111416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Nov 19 03:34:56 2016  
Response via : Initial Calibration



TIC: BG024846.D

(80) Benzo(a)anthracene

21.962min (+0.070) 2.52ng/ul

response 156140

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 229.00 | 20.40 | 22.31 |
| 226.00 | 27.40 | 28.15 |
| 0.00   | 0.00  | 0.00  |

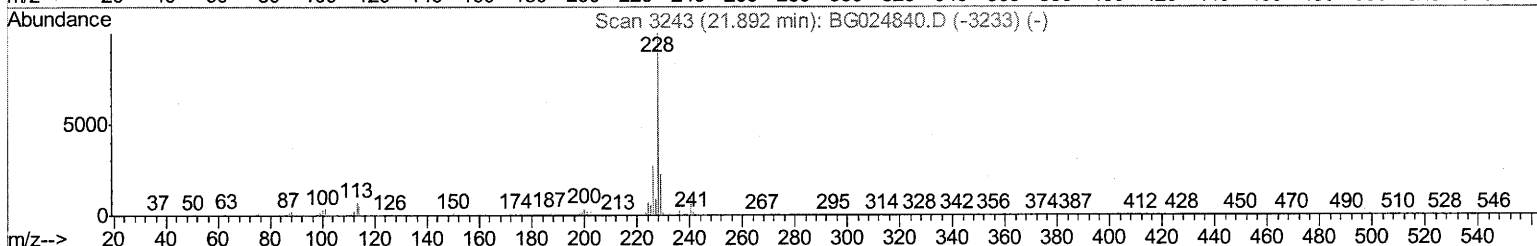
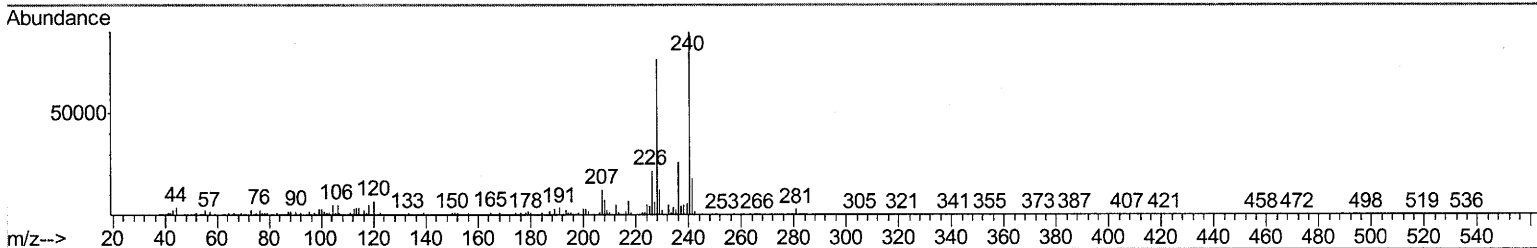
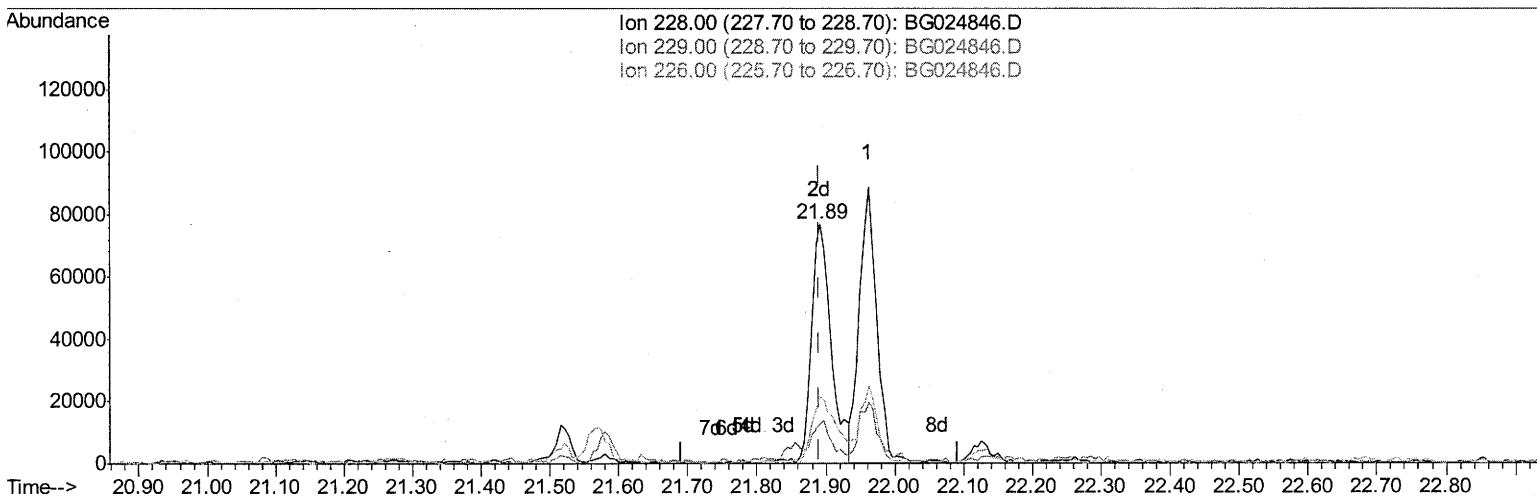
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG111816\  
Data File : BG024846.D  
Acq On : 19 Nov 2016 4:47  
Operator : UM/SJ  
Sample : H5695-11  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampled :  
JHST6

Manual Integrations  
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Quant Time: Nov 19 05:35:25 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG111416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Nov 19 03:34:56 2016  
Response via : Initial Calibration



TIC: BG024846.D

(80) Benzo(a)anthracene

21.892min (-0.000) 2.46ng/ul m

UM

response 152576

11/21/16

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 229.00 | 20.40 | 16.22# |
| 226.00 | 27.40 | 28.34  |
| 0.00   | 0.00  | 0.00   |

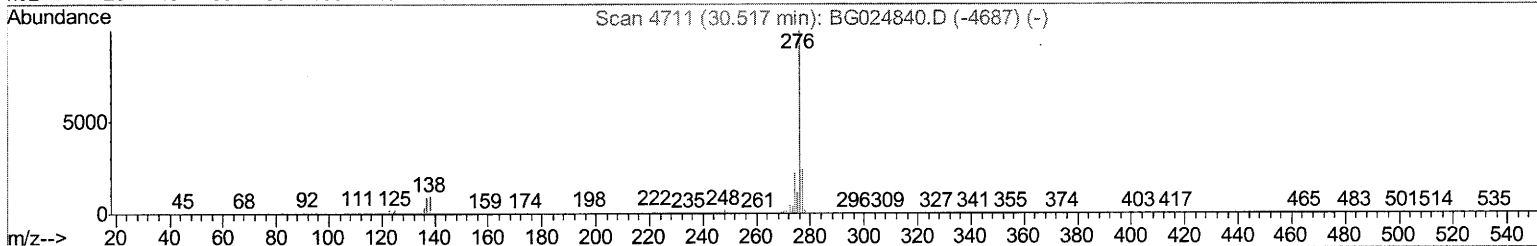
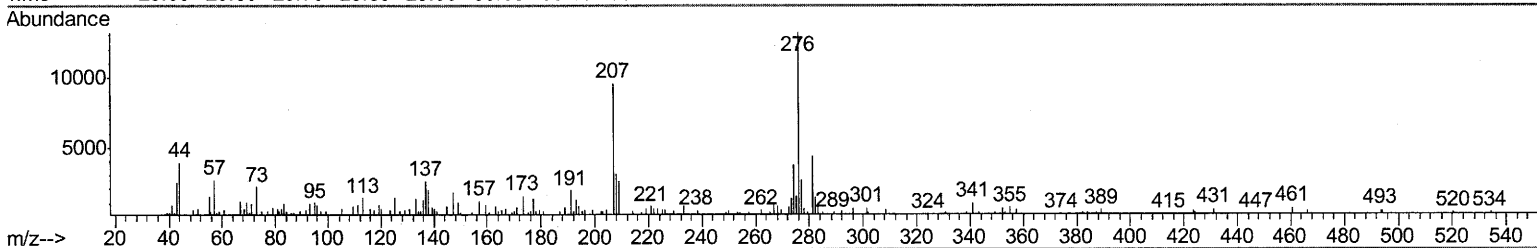
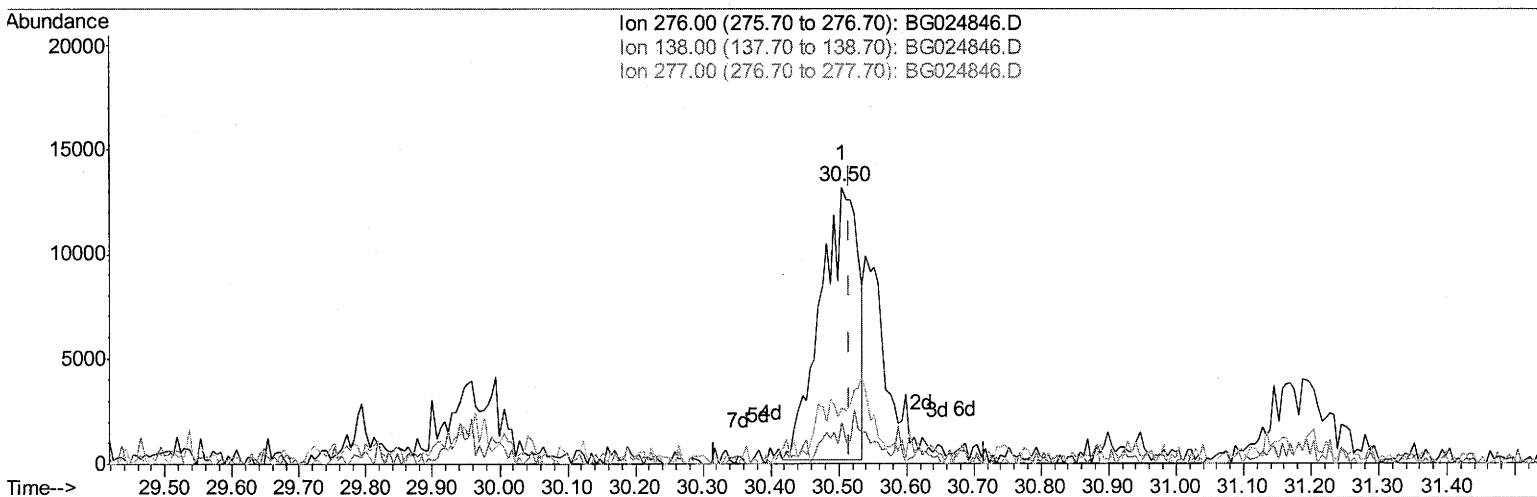
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG111816\  
Data File : BG024846.D  
Acq On : 19 Nov 2016 4:47  
Operator : UM/SJ  
Sample : H5695-11  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampled :  
JHST6

Manual Integrations  
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Quant Time: Nov 19 05:36:43 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG111416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Nov 19 03:34:56 2016  
Response via : Initial Calibration



TIC: BG024846.D

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

30.505min (-0.012) 0.79ng/ul

response 50140

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 10.70 | 14.96# |
| 277.00 | 22.00 | 20.15  |
| 0.00   | 0.00  | 0.00   |

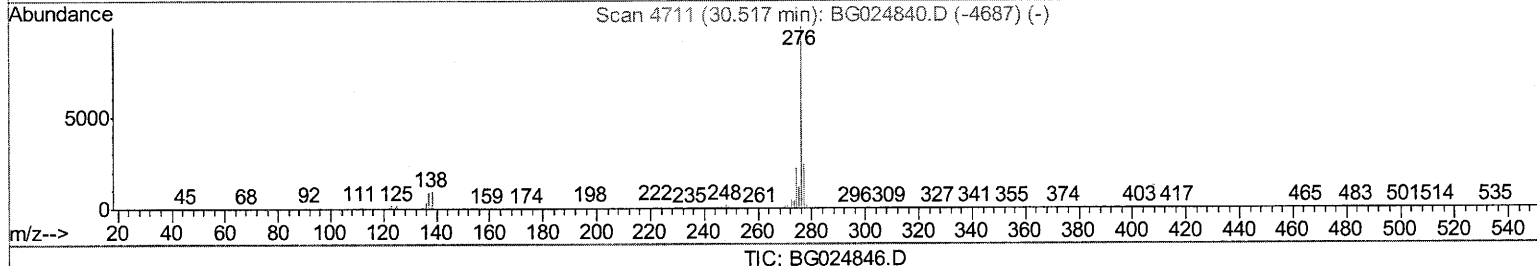
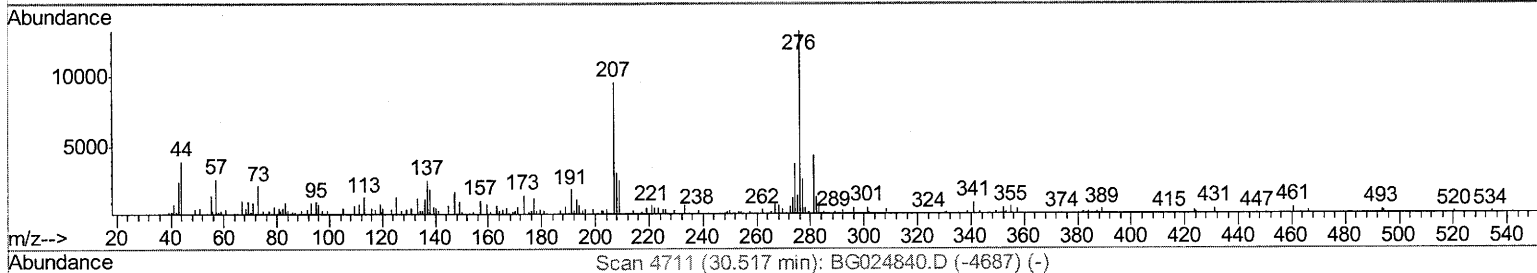
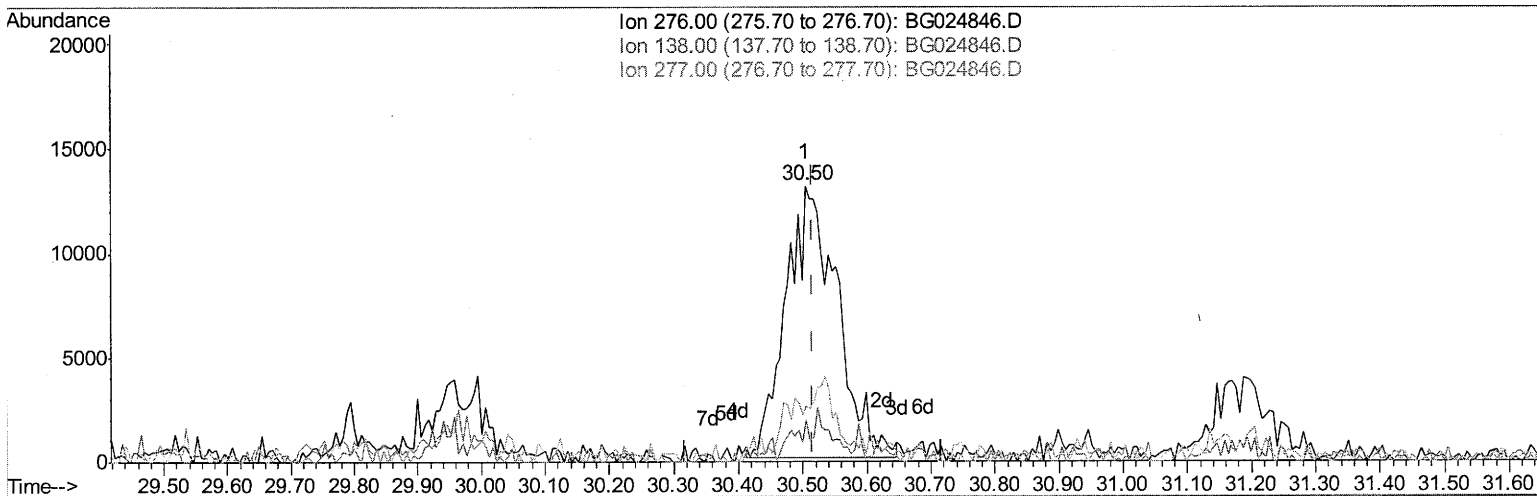
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG111816\  
Data File : BG024846.D  
Acq On : 19 Nov 2016 4:47  
Operator : UM/SJ  
Sample : H5695-11  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHST6

Manual Integrations  
APPROVED

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11/21/2016 3:42:07 PM

Quant Time: Nov 19 05:36:43 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG111416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Nov 19 03:34:56 2016  
Response via : Initial Calibration



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

30.505min (-0.012) 1.14ng/ul m

response 72618

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 10.70 | 14.96# |
| 277.00 | 22.00 | 20.15  |
| 0.00   | 0.00  | 0.00   |

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Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG111816\  
 Data File : BG024846.D  
 Acq On : 19 Nov 2016 4:47  
 Operator : UM/SJ  
 Sample : H5695-11  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JHST6

Manual Integrations  
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 11/21/2016 3:42:07 PM

Quant Time: Nov 19 05:37:40 2016  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Nov 19 03:34:56 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.26  | 152  | 116460   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.09 | 136  | 524648   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.88 | 164  | 439866   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.62 | 188  | 921702m  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.92 | 240  | 1139239  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.35 | 264  | 1209561  | 20.00 | ng/ul | 0.00     |

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## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.62  | 96  | 6733   | 3.00  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.40  | 99  | 172423 | 17.28 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl) ether-d | 7.57  | 67  | 117018 | 18.64 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.78  | 132 | 129816 | 18.14 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.95  | 113 | 150869 | 18.01 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.44  | 128 | 70412  | 17.72 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.16 | 143 | 81309  | 17.15 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.69 | 165 | 158809 | 16.82 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.22 | 131 | 156533 | 14.84 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.27 | 166 | 558129 | 17.40 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.58 | 160 | 648440 | 18.55 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.06 | 143 | 87639  | 15.36 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.86 | 176 | 533928 | 17.69 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.97 | 200 | 77507m | 12.23 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.71 | 188 | 780733 | 19.18 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.99 | 212 | 928489 | 18.80 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.11 | 264 | 973442 | 18.38 | ng/ul | 0.00 |

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## Target Compounds

|                            |       |     |         |      |        | Qvalue |
|----------------------------|-------|-----|---------|------|--------|--------|
| 6) Phenol                  | 7.43  | 94  | 28265   | 2.71 | ng/ul# | 89     |
| 14) Acetophenone           | 9.09  | 105 | 12990   | 1.03 | ng/ul  | 94     |
| 44) Dimethylphthalate      | 14.31 | 163 | 215373  | 7.00 | ng/ul  | 97     |
| 69) Phenanthrene           | 17.66 | 178 | 159438  | 3.47 | ng/ul  | 96     |
| 74) Fluoranthene           | 19.65 | 202 | 293551  | 5.50 | ng/ul  | 99     |
| 77) Pyrene                 | 20.02 | 202 | 295934  | 5.29 | ng/ul# | 95     |
| 80) Benzo(a)anthracene     | 21.89 | 228 | 152576m | 2.46 | ng/ul  |        |
| 82) Chrysene               | 21.96 | 228 | 156140  | 2.69 | ng/ul  | 97     |
| 85) Benzo(b)fluoranthene   | 24.24 | 252 | 176699  | 2.77 | ng/ul# | 91     |
| 88) Benzo(a)pyrene         | 25.18 | 252 | 141943  | 2.30 | ng/ul# | 94     |
| 89) Indeno(1,2,3-cd)pyrene | 29.28 | 276 | 96879   | 1.26 | ng/ul# | 92     |
| 91) Benzo(g,h,i)perylene   | 30.50 | 276 | 72618m  | 1.14 | ng/ul  |        |

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