

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081016\  
 Data File : BG023614.D  
 Acq On : 11 Aug 2016 5:07  
 Operator : UM/SJ  
 Sample : H4384-02  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 P001-SS001-0206-01

Manual Integrations  
 APPROVED

sohil  
 8/11/2016 6:14:35 PM

Quant Time: Aug 11 06:07:20 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 11 03:58:16 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.11  | 152  | 183324   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.94 | 136  | 841353   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.78 | 164  | 614769   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.55 | 188  | 1430244  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.87 | 240  | 1375020  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.26 | 264  | 1384680  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.48  | 96  | 12634   | 2.93  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.27  | 99  | 350468  | 18.98 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.43  | 67  | 229485  | 19.39 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.64  | 132 | 248431  | 19.72 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.82  | 113 | 270519  | 18.76 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.29  | 128 | 139683  | 21.06 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.02 | 143 | 161328  | 21.18 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.57 | 165 | 287441m | 20.01 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.09 | 131 | 354359  | 21.02 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.18 | 166 | 1042357 | 20.71 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.48 | 160 | 1199204 | 21.17 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.00 | 143 | 165592  | 19.27 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.78 | 176 | 954610  | 20.53 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.90 | 200 | 180047  | 19.62 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.65 | 188 | 1382490 | 21.45 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.94 | 212 | 1449924 | 20.83 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.03 | 264 | 1364403 | 21.77 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |         |       |        | Qvalue |
|----------------------------|-------|-----|---------|-------|--------|--------|
| 44) Dimethylphthalate      | 14.22 | 163 | 859136  | 17.24 | ng/ul  | 99     |
| 69) Phenanthrene           | 17.59 | 178 | 315444  | 4.26  | ng/ul  | 99     |
| 74) Fluoranthene           | 19.60 | 202 | 570092  | 7.52  | ng/ul# | 93     |
| 77) Pyrene                 | 19.97 | 202 | 786681m | 9.25  | ng/ul  |        |
| 80) Benzo(a)anthracene     | 21.85 | 228 | 340386  | 4.40  | ng/ul# | 95     |
| 82) Chrysene               | 21.91 | 228 | 397290  | 5.64  | ng/ul# | 92     |
| 85) Benzo(b)fluoranthene   | 24.18 | 252 | 316597  | 4.02  | ng/ul# | 96     |
| 86) Benzo(k)fluoranthene   | 24.24 | 252 | 118132m | 1.52  | ng/ul  |        |
| 88) Benzo(a)pyrene         | 25.10 | 252 | 272349m | 3.58  | ng/ul  |        |
| 89) Indeno(1,2,3-cd)pyrene | 29.14 | 276 | 160591m | 1.80  | ng/ul  |        |
| 91) Benzo(g,h,i)perylene   | 30.35 | 276 | 154257  | 2.08  | ng/ul# | 81     |

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

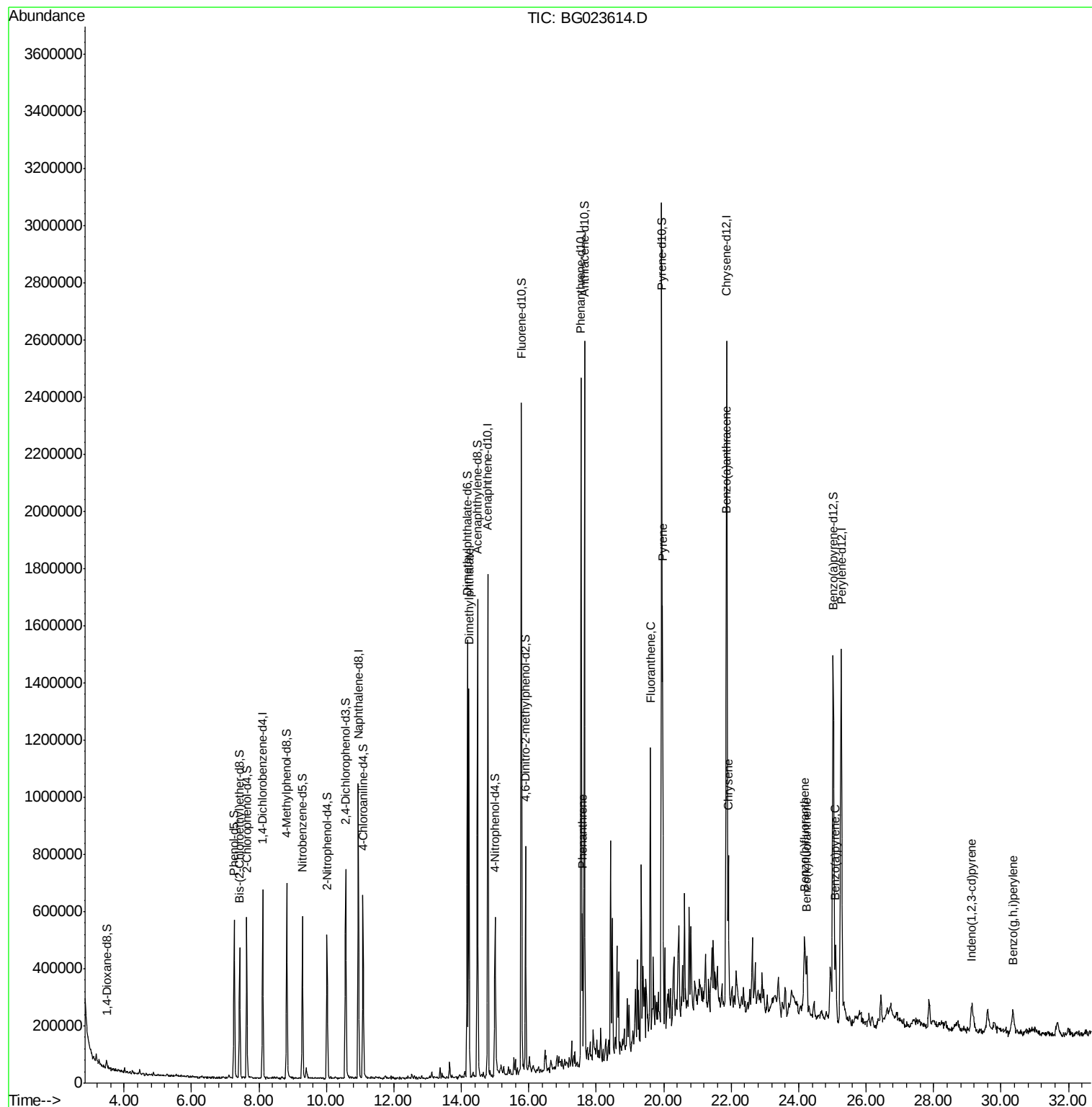
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081016\  
Data File : BG023614.D  
Acq On : 11 Aug 2016 5:07  
Operator : UM/SJ  
Sample : H4384-02  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

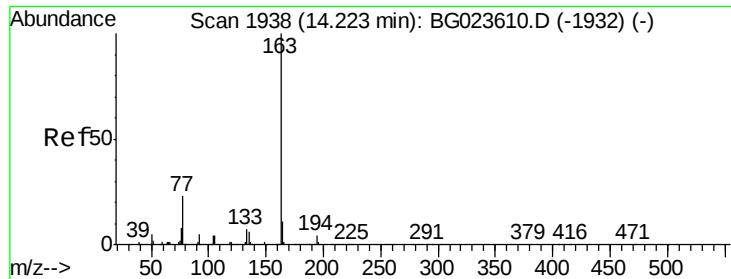
Instrument :  
BNA\_G  
ClientSampleId :  
P001-SS001-0206-01

Manual Integrations  
APPROVED

sohil  
8/11/2016 6:14:35 PM

Quant Time: Aug 11 06:07:20 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 11 03:58:16 2016  
Response via : Initial Calibration





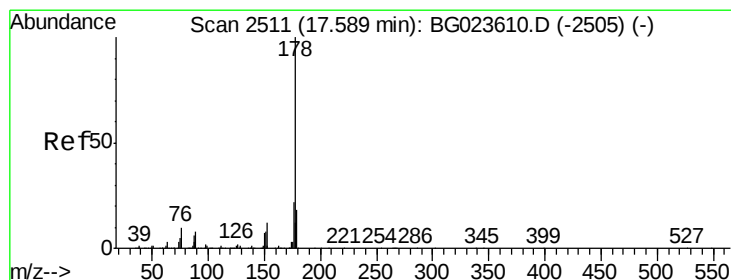
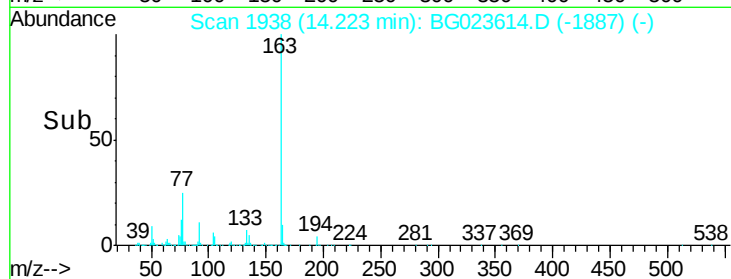
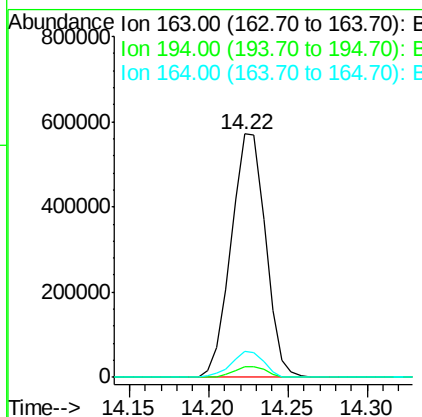
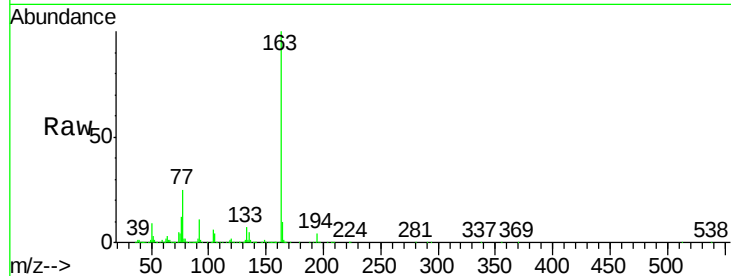
#44  
Dimethylphthalate  
Concen: 17.24 ng/ul  
RT: 14.22 min Scan# 1938  
Delta R.T. 0.00 min  
Lab File: BG023614.D  
Acq: 11 Aug 2016 5:07

Instrument :  
BNA\_G  
ClientSampleId :  
P001-SS001-0206-01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 859136 |       |       |
| 194     | 4.3   |        | 3.4   | 5.2   |
| 164     | 10.5  |        | 8.8   | 13.2  |

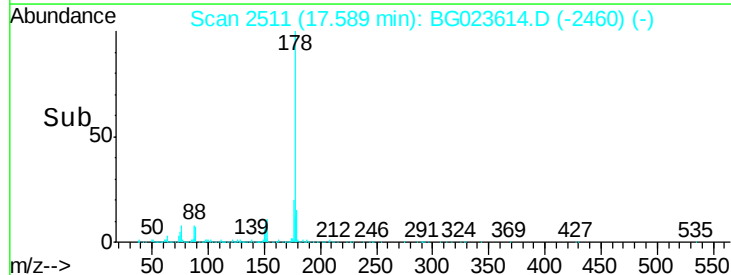
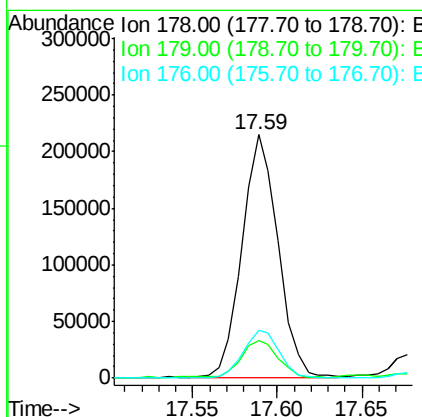
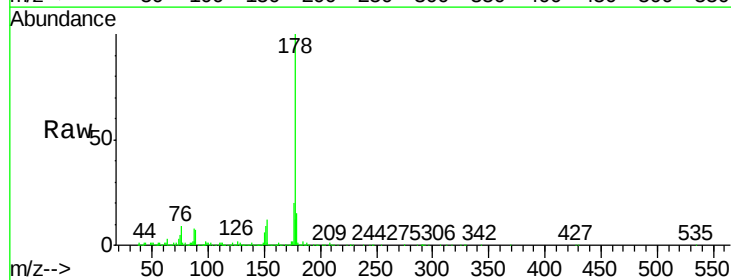
Manual Integrations  
APPROVED

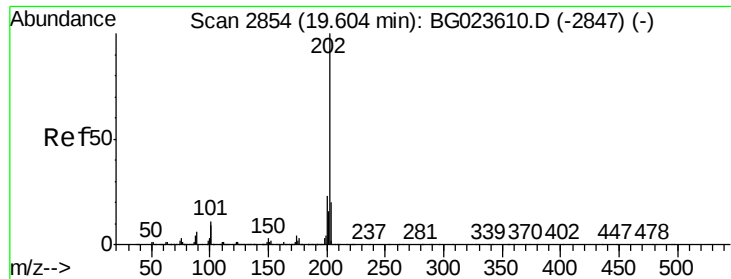
sohil  
8/11/2016 6:14:35 PM



#69  
Phenanthrene  
Concen: 4.26 ng/ul  
RT: 17.59 min Scan# 2511  
Delta R.T. 0.00 min  
Lab File: BG023614.D  
Acq: 11 Aug 2016 5:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 315444 |       |       |
| 179     | 15.3  |        | 12.9  | 19.3  |
| 176     | 19.9  |        | 15.8  | 23.8  |





#74

Fluoranthene

Concen: 7.52 ng/ul

RT: 19.60 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BG023614.D

Acq: 11 Aug 2016 5:07

Instrument :

BNA\_G

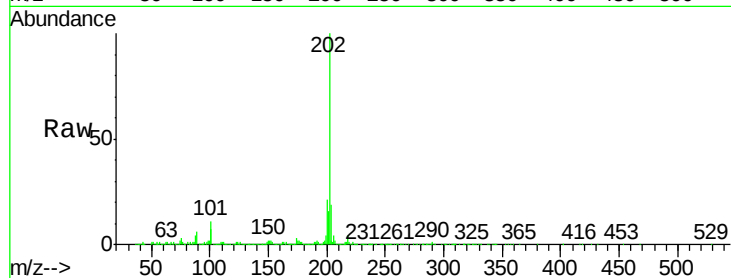
ClientSampleId :

P001-SS001-0206-01

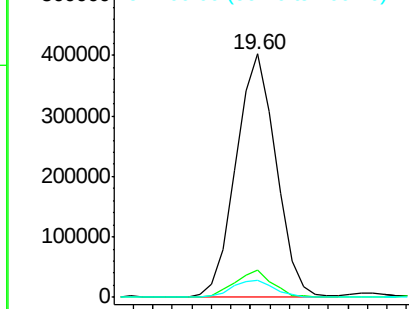
|     |       |       |       |        |
|-----|-------|-------|-------|--------|
| Tgt | Ion   | 202   | Resp: | 570092 |
| Ion | Ratio | Lower | Upper |        |
| 202 | 100   |       |       |        |
| 101 | 11.1  | 10.6  | 16.0  |        |
| 100 | 7.2   | 8.7   | 13.1  |        |

Manual Integrations  
APPROVED

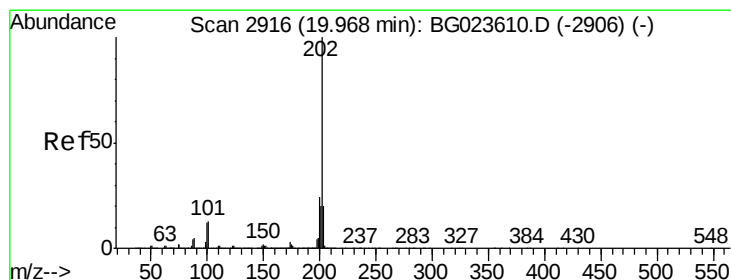
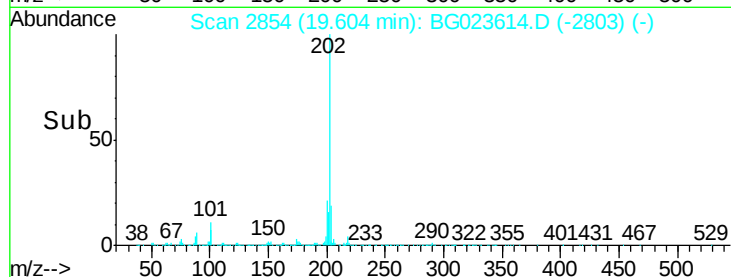
sohil  
8/11/2016 6:14:35 PM



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 100.00 (99.70 to 100.70): B



Time-->



#77

Pyrene

Concen: 9.25 ng/ul m

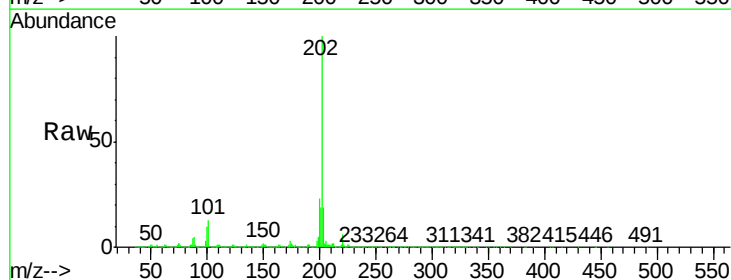
RT: 19.97 min Scan# 2916

Delta R.T. 0.00 min

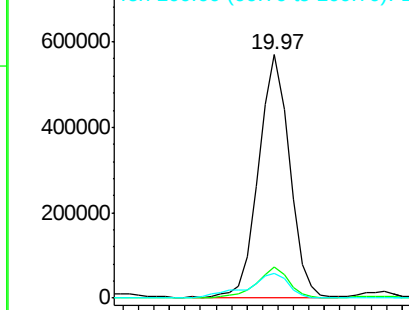
Lab File: BG023614.D

Acq: 11 Aug 2016 5:07

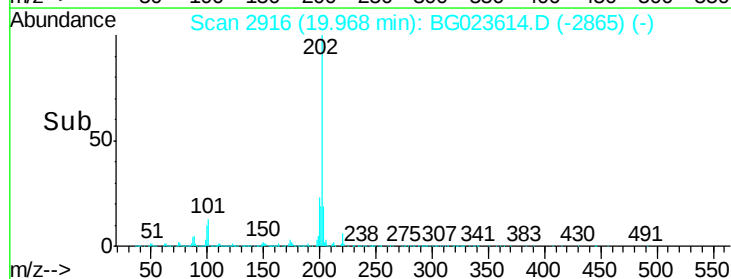
|     |       |       |       |        |
|-----|-------|-------|-------|--------|
| Tgt | Ion   | 202   | Resp: | 786681 |
| Ion | Ratio | Lower | Upper |        |
| 202 | 100   |       |       |        |
| 101 | 13.0  | 12.5  | 18.7  |        |
| 100 | 10.1  | 10.2  | 15.4  |        |

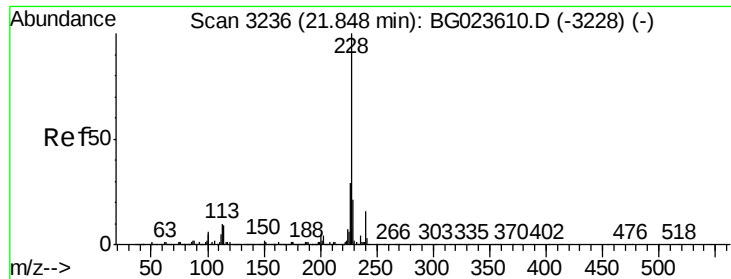


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 100.00 (99.70 to 100.70): B



Time-->





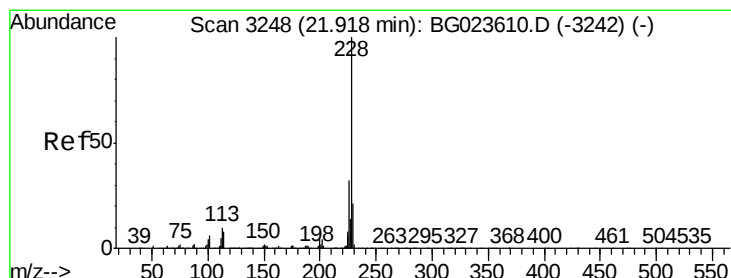
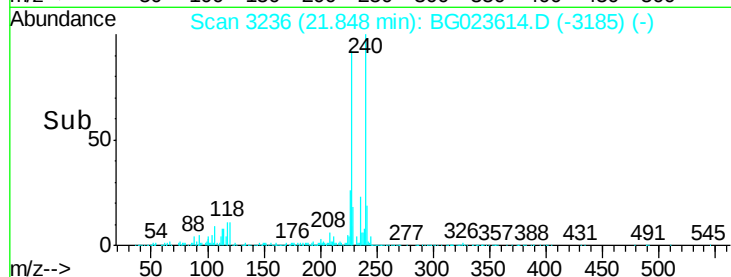
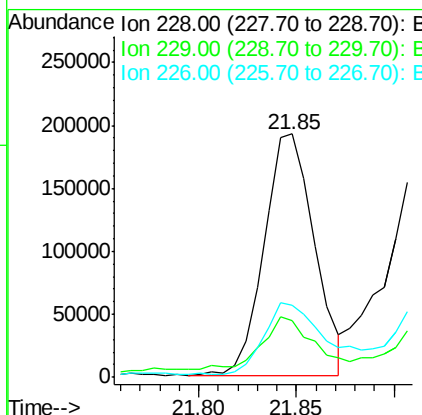
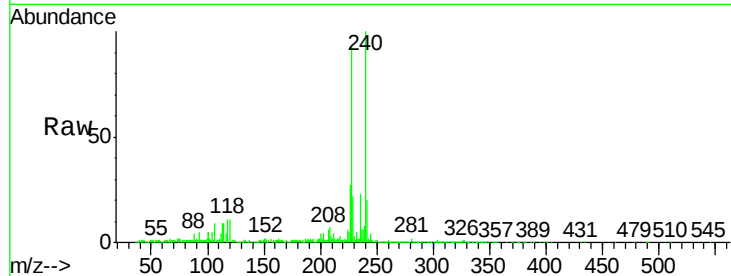
#80  
Benzo(a)anthracene  
Concen: 4.40 ng/ul  
RT: 21.85 min Scan# 3236  
Delta R.T. 0.00 min  
Lab File: BG023614.D  
Acq: 11 Aug 2016 5:07

Instrument :  
BNA\_G  
ClientSampleId :  
P001-SS001-0206-01

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 229     | 23.4  | 15.4       | 23.2# |
| 226     | 29.6  | 22.8       | 34.2  |

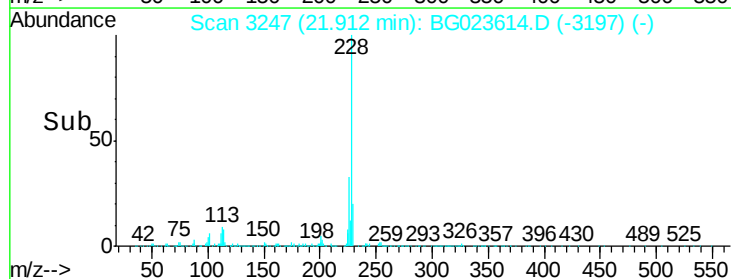
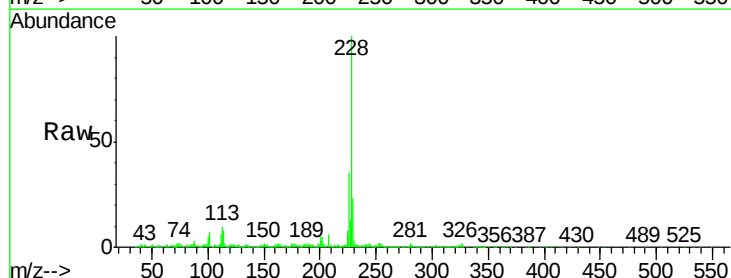
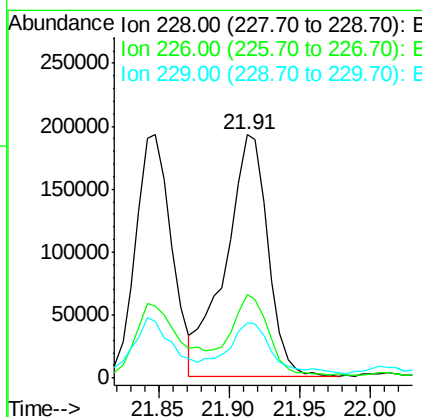
Manual Integrations  
APPROVED

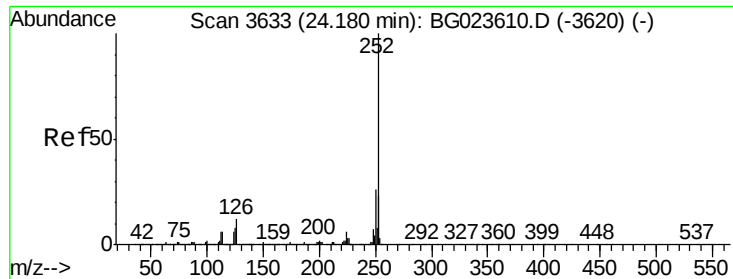
sohil  
8/11/2016 6:14:35 PM



#82  
Chrysene  
Concen: 5.64 ng/ul  
RT: 21.91 min Scan# 3247  
Delta R.T. -0.00 min  
Lab File: BG023614.D  
Acq: 11 Aug 2016 5:07

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 226     | 34.6  | 24.2       | 36.4  |
| 229     | 22.6  | 15.0       | 22.6# |





#85

Benzo(b)fluoranthene

Concen: 4.02 ng/ul

RT: 24.18 min Scan# 3633

Delta R.T. 0.00 min

Lab File: BG023614.D

Acq: 11 Aug 2016 5:07

Instrument :

BNA\_G

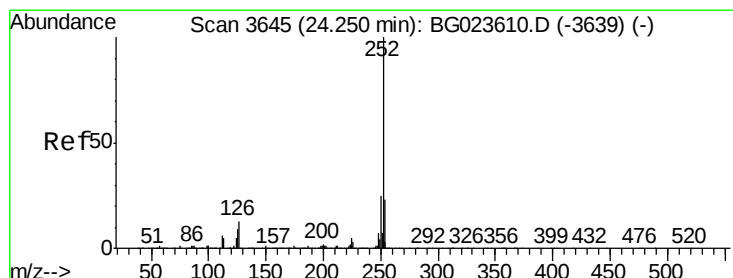
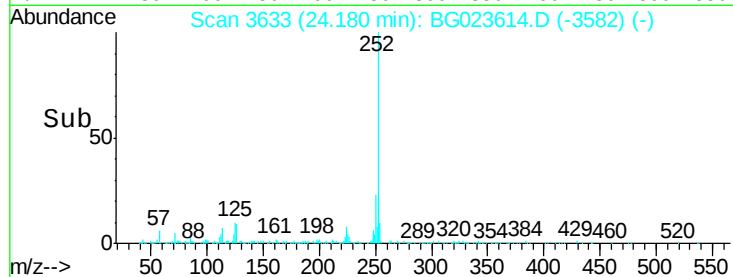
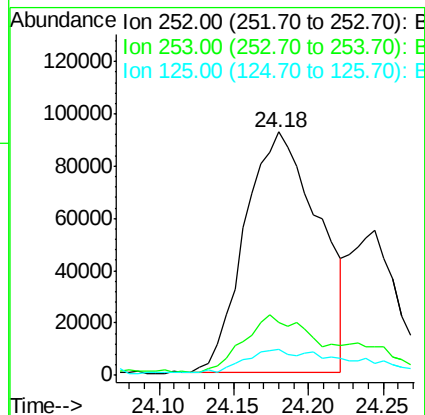
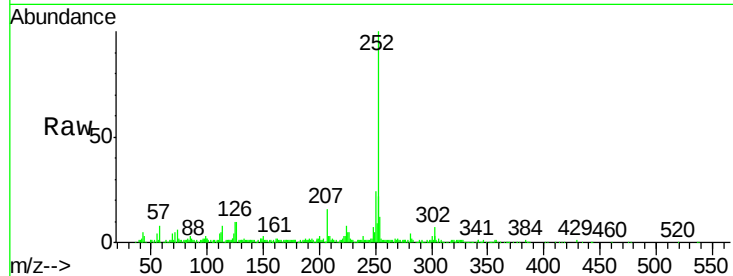
ClientSampleId :

P001-SS001-0206-01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 316597 |       |       |
| 253     | 21.6  | 18.2   | 27.2  |       |
| 125     | 10.4  | 10.8   | 16.2  |       |

Manual Integrations  
APPROVED

sohil  
8/11/2016 6:14:35 PM



#86

Benzo(k)fluoranthene

Concen: 1.52 ng/ul m

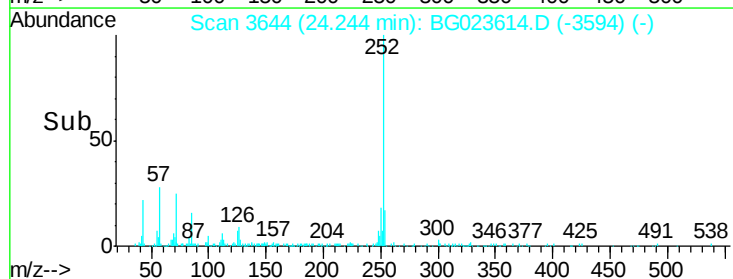
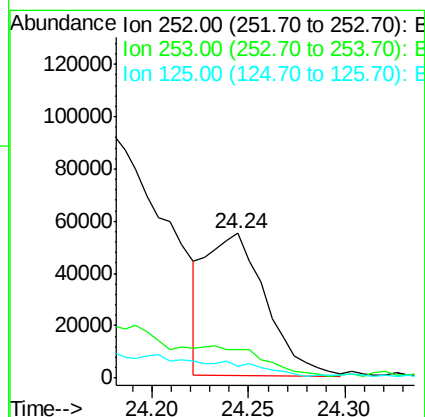
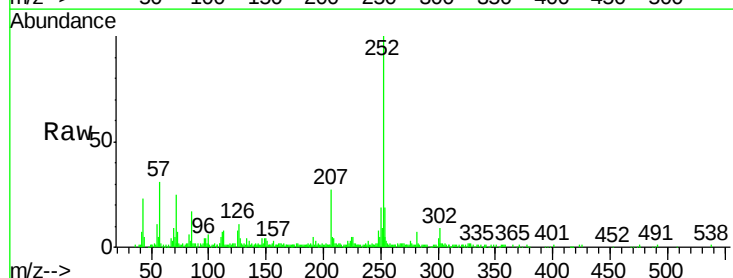
RT: 24.24 min Scan# 3644

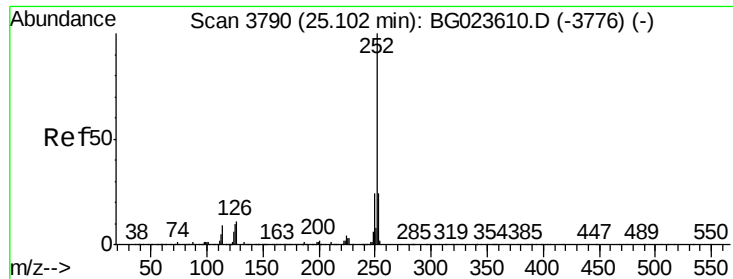
Delta R.T. -0.00 min

Lab File: BG023614.D

Acq: 11 Aug 2016 5:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 118132 |       |       |
| 253     | 19.5  | 15.8   | 23.6  |       |
| 125     | 8.0   | 10.6   | 16.0  |       |





#88

Benzo(a)pyrene

Concen: 3.58 ng/ul m

RT: 25.10 min Scan# 3789

Delta R.T. -0.01 min

Lab File: BG023614.D

Acq: 11 Aug 2016 5:07

Instrument :

BNA\_G

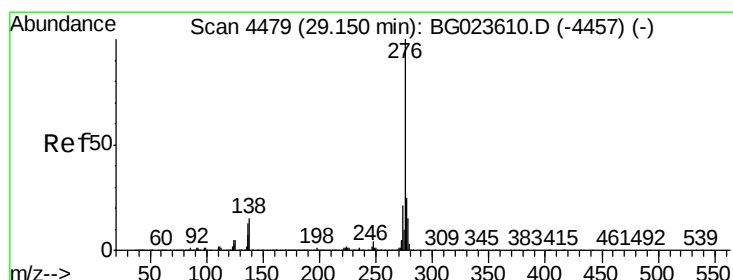
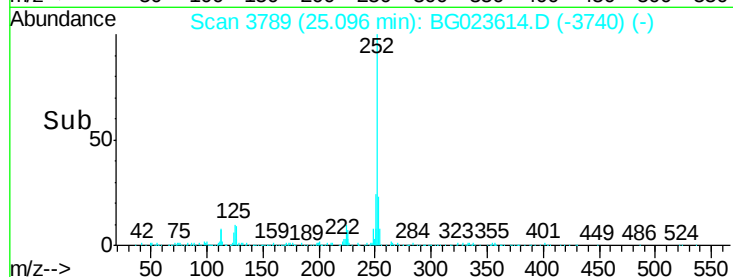
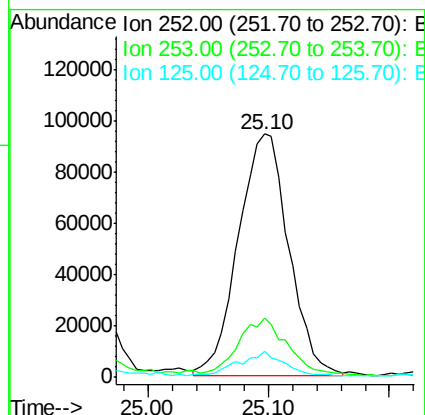
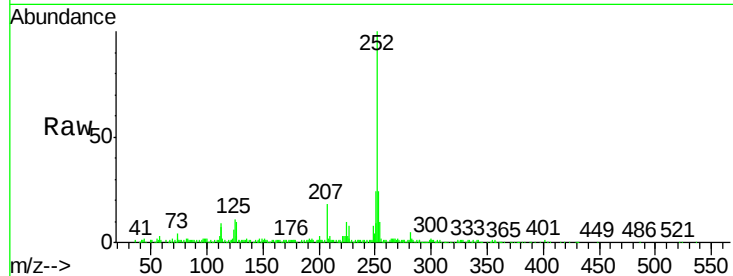
ClientSampleId :

P001-SS001-0206-01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 272349 |       |       |
| 253     | 24.4  | 19.0   | 28.4  |       |
| 125     | 10.6  | 12.0   | 18.0  |       |

Manual Integrations  
APPROVED

sohil  
8/11/2016 6:14:35 PM



#89

Indeno(1,2,3-cd)pyrene

Concen: 1.80 ng/ul m

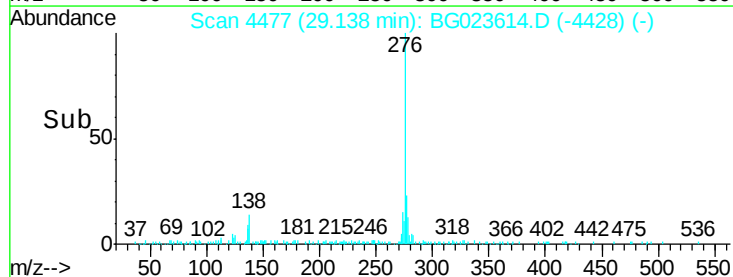
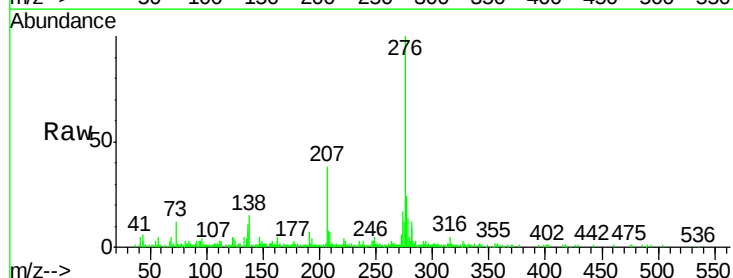
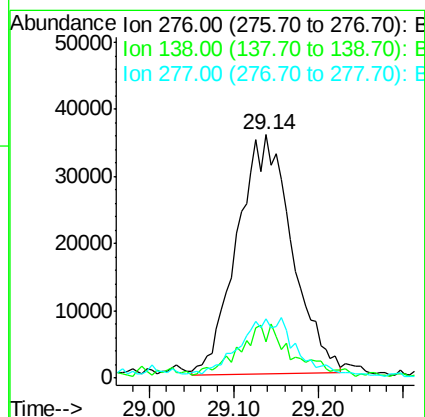
RT: 29.14 min Scan# 4477

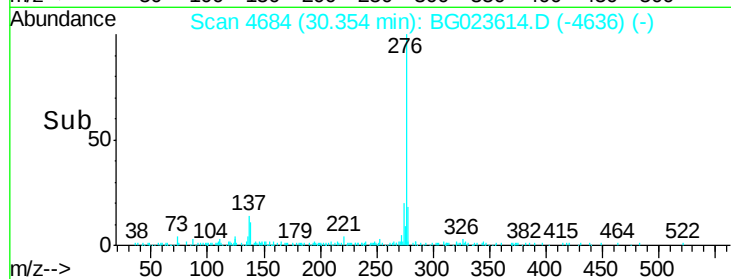
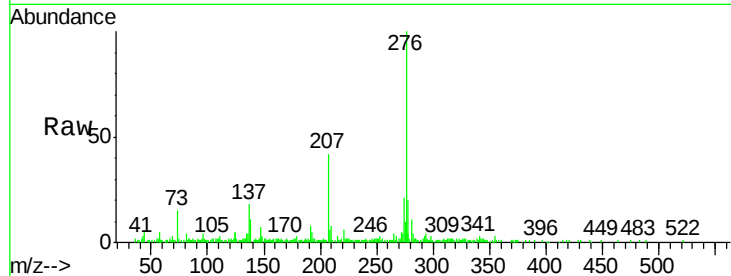
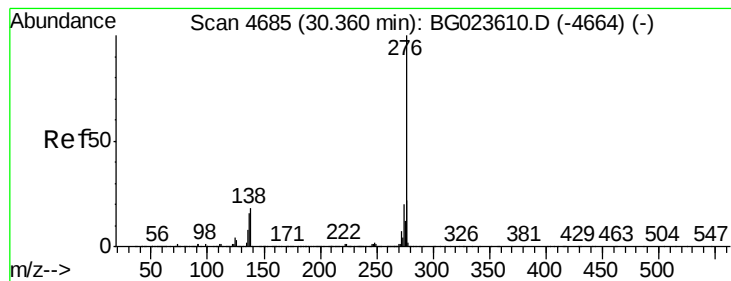
Delta R.T. -0.01 min

Lab File: BG023614.D

Acq: 11 Aug 2016 5:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 276     | 100   | 160591 |       |       |
| 138     | 15.2  | 20.8   | 31.2  |       |
| 277     | 24.5  | 17.6   | 26.4  |       |





#91

Benzo(g,h,i)perylene

Concen: 2.08 ng/ul

RT: 30.35 min Scan# 4684

Delta R.T. -0.02 min

Lab File: BG023614.D

Acq: 11 Aug 2016 5:07

| Tgt | Ion  | Ratio | Resp   | Lower | Upper |
|-----|------|-------|--------|-------|-------|
| 276 | 100  |       | 154257 |       |       |
| 138 | 11.2 | 22.1  | 33.1#  |       |       |
| 277 | 20.3 | 17.0  | 25.4   |       |       |

Instrument :

BNA\_G

ClientSampleId :

P001-SS001-0206-01

Manual Integrations  
APPROVED

sohil  
8/11/2016 6:14:35 PM

