

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082417\  
 Data File : BG082475.D  
 Acq On : 25 Aug 2017 00:44  
 Operator : SJ/JU  
 Sample : I4840-19  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 B0AN6

Manual Integrations  
 APPROVED

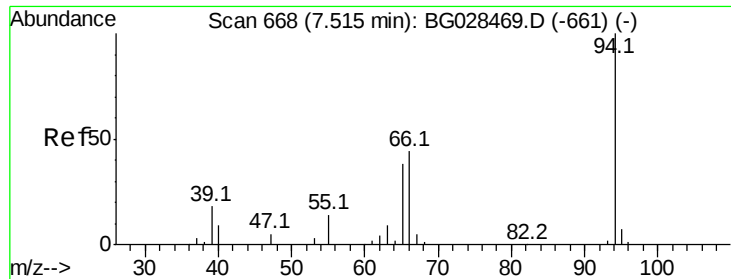
Sohil  
 8/25/2017 5:43:56 PM

Quant Time: Aug 25 04:24:16 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Aug 25 03:52:53 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.34  | 152  | 36272    | 20.00  | ng/ul  | 0.00     |
| 18) Naphthalene-d8             | 11.16 | 136  | 155372   | 20.00  | ng/ul  | 0.00     |
| 35) Acenaphthene-d10           | 14.95 | 164  | 115061   | 20.00  | ng/ul  | 0.00     |
| 61) Phenanthrene-d10           | 17.70 | 188  | 304775   | 20.00  | ng/ul  | 0.00     |
| 75) Chrysene-d12               | 22.03 | 240  | 363237   | 20.00  | ng/ul  | 0.00     |
| 83) Perylene-d12               | 25.53 | 264  | 354978   | 20.00  | ng/ul  | 0.00     |
| System Monitoring Compounds    |       |      |          |        |        |          |
| 3) 1,4-Dioxane-d8              | 3.82  | 96   | 3518     | 4.52   | ng/uL  | 0.00     |
| 5) Phenol-d5                   | 7.49  | 99   | 85285    | 21.41  | ng/ul  | 0.00     |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.65  | 67   | 54275    | 21.51  | ng/ul  | 0.00     |
| 9) 2-Chlorophenol-d4           | 7.87  | 132  | 64411    | 25.63  | ng/ul  | 0.00     |
| 13) 4-Methylphenol-d8          | 9.03  | 113  | 59521    | 17.88  | ng/ul  | 0.00     |
| 19) Nitrobenzene-d5            | 9.51  | 128  | 33345    | 27.45  | ng/ul  | 0.00     |
| 22) 2-Nitrophenol-d4           | 10.23 | 143  | 39339    | 29.53  | ng/ul  | 0.00     |
| 26) 2,4-Dichlorophenol-d3      | 10.78 | 165  | 71635    | 25.99  | ng/ul  | 0.00     |
| 29) 4-Chloroaniline-d4         | 11.29 | 131  | 49977    | 16.29  | ng/ul  | 0.00     |
| 43) Dimethylphthalate-d6       | 14.34 | 166  | 274179   | 26.79  | ng/ul  | 0.00     |
| 46) Acenaphthylene-d8          | 14.64 | 160  | 298685   | 25.89  | ng/ul  | 0.00     |
| 51) 4-Nitrophenol-d4           | 15.15 | 143  | 40272    | 24.75  | ng/ul  | 0.00     |
| 57) Fluorene-d10               | 15.93 | 176  | 234685   | 25.56  | ng/ul  | 0.00     |
| 62) 4,6-Dinitro-2-methylphenol | 16.05 | 200  | 47180    | 23.83  | ng/ul  | 0.00     |
| 70) Anthracene-d10             | 17.80 | 188  | 389841   | 26.67  | ng/ul  | 0.00     |
| 76) Pyrene-d10                 | 20.07 | 212  | 484248   | 26.00  | ng/ul  | 0.00     |
| 87) Benzo(a)pyrene-d12         | 25.28 | 264  | 465204   | 27.99  | ng/ul  | 0.00     |
| Target Compounds               |       |      |          |        |        |          |
| 6) Phenol                      | 7.52  | 94   | 9076     | 2.292  | ng/ul  | 99       |
| 44) Dimethylphthalate          | 14.38 | 163  | 117616   | 12.482 | ng/ul  | 97       |
| 69) Phenanthrene               | 17.74 | 178  | 68232    | 4.449  | ng/ul  | 98       |
| 71) Anthracene                 | 17.83 | 178  | 17795    | 1.135  | ng/ul  | 93       |
| 74) Fluoranthene               | 19.74 | 202  | 145147   | 7.787  | ng/ul# | 97       |
| 77) Pyrene                     | 20.10 | 202  | 134396   | 6.202  | ng/ul# | 96       |
| 80) Benzo(a)anthracene         | 22.00 | 228  | 97859    | 4.663  | ng/ul  | 94       |
| 82) Chrysene                   | 22.07 | 228  | 90923    | 4.810  | ng/ul  | 99       |
| 85) Benzo(b)fluoranthene       | 24.40 | 252  | 118956   | 5.600  | ng/ul  | 95       |
| 86) Benzo(k)fluoranthene       | 24.47 | 252  | 42404m   | 2.044  | ng/ul  |          |
| 88) Benzo(a)pyrene             | 25.35 | 252  | 87805    | 4.269  | ng/ul  | 99       |
| 89) Indeno(1,2,3-cd)pyrene     | 29.52 | 276  | 44628    | 1.853  | ng/ul# | 95       |
| 91) Benzo(g,h,i)perylene       | 30.79 | 276  | 40813    | 2.060  | ng/ul  | 100      |

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





#6

Phenol

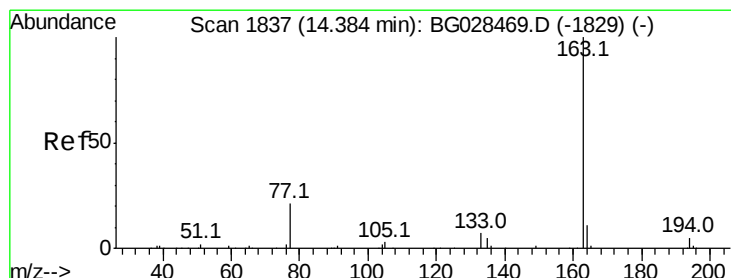
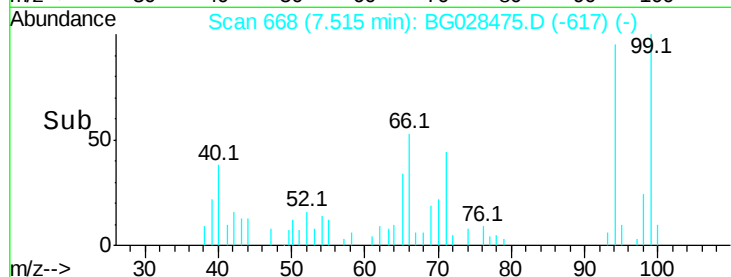
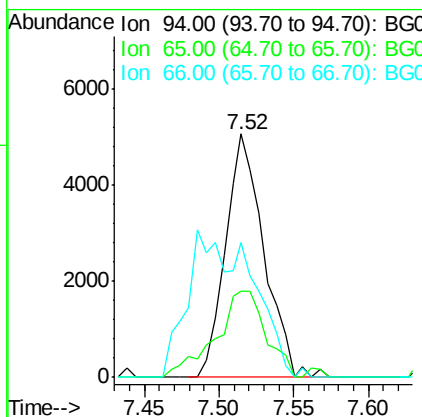
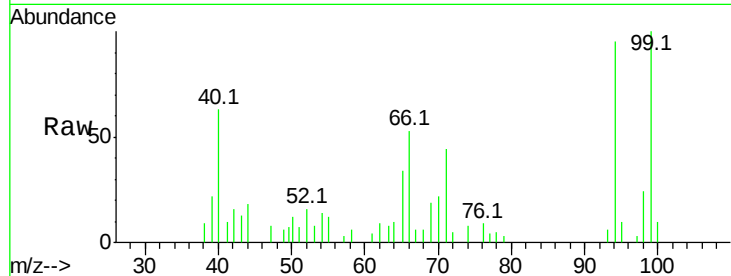
Concen: 2.292 ng/ul  
 RT: 7.52 min Scan# 668  
 Delta R.T. -0.00 min  
 Lab File: BG028475.D  
 Acq: 25 Aug 2017 00:44

Instrument :  
 BNA\_G  
 ClientSampled :  
 B0AN6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 35.3  | 26.8  | 40.2  |
| 66      | 55.4  | 44.4  | 66.6  |

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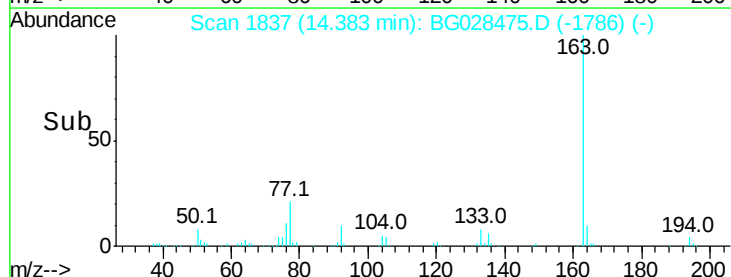
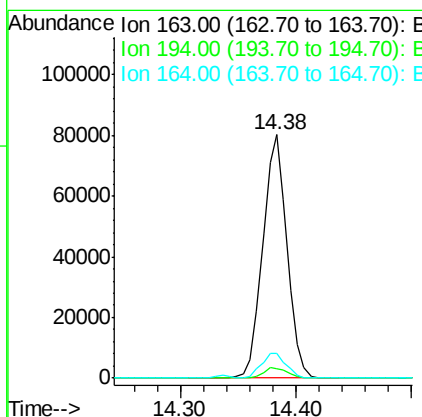
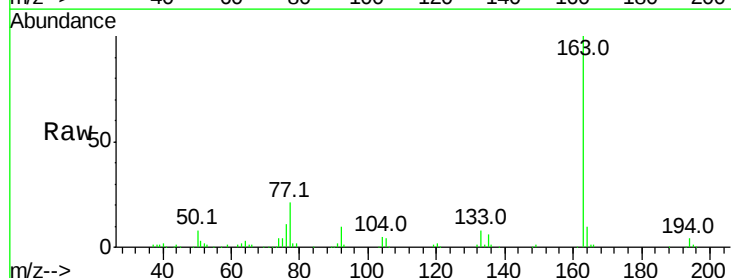


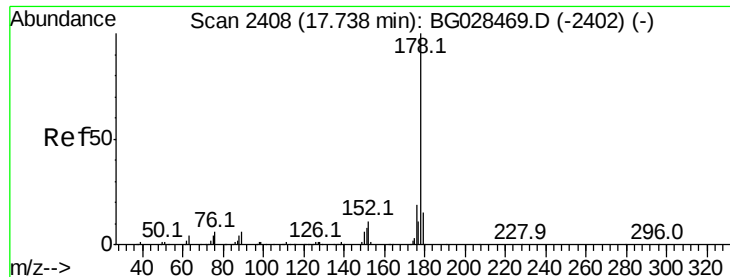
#44

Dimethylphthalate

Concen: 12.482 ng/ul  
 RT: 14.38 min Scan# 1837  
 Delta R.T. -0.00 min  
 Lab File: BG028475.D  
 Acq: 25 Aug 2017 00:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.0   | 3.4   | 5.0   |
| 164     | 9.9   | 9.0   | 13.4  |





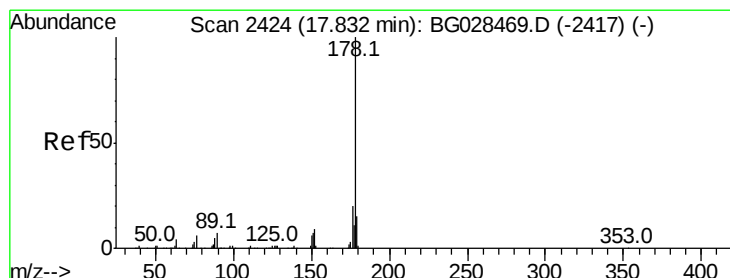
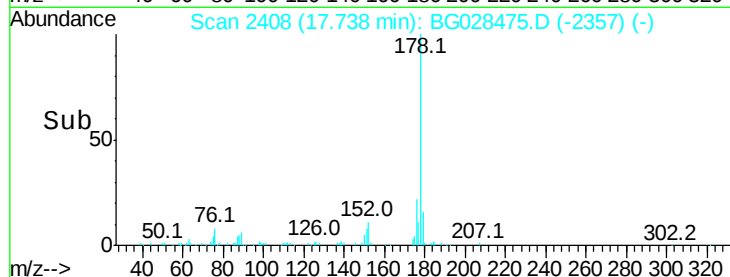
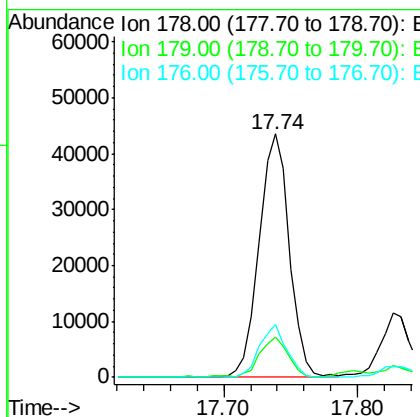
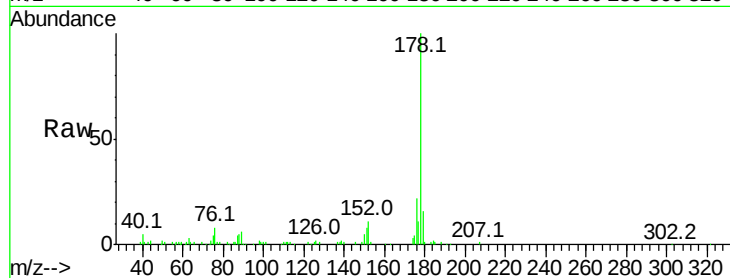
#69  
Phenanthrene  
Concen: 4.449 ng/ul  
RT: 17.74 min Scan# 2408  
Delta R.T. -0.00 min  
Lab File: BG028475.D  
Acq: 25 Aug 2017 00:44

Instrument :  
BNA\_G  
ClientSampleId :  
B0AN6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 16.3  | 12.4  | 18.6  |
| 176     | 21.7  | 16.5  | 24.7  |

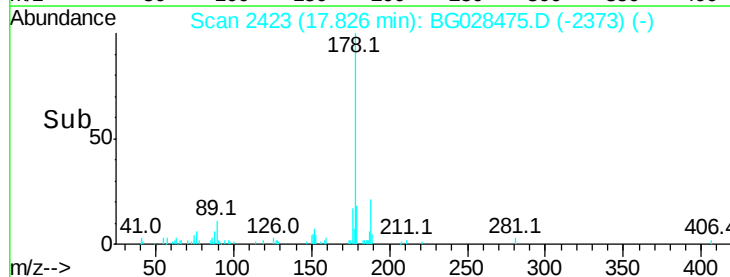
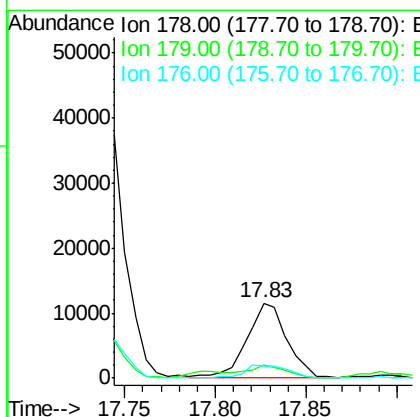
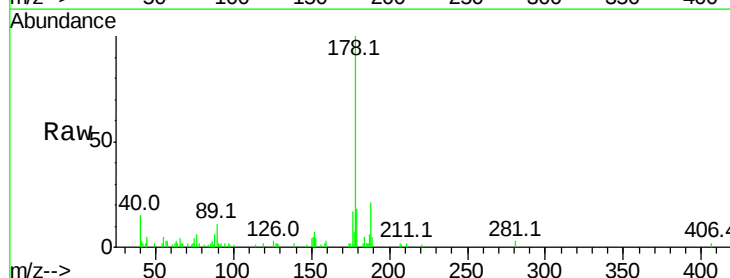
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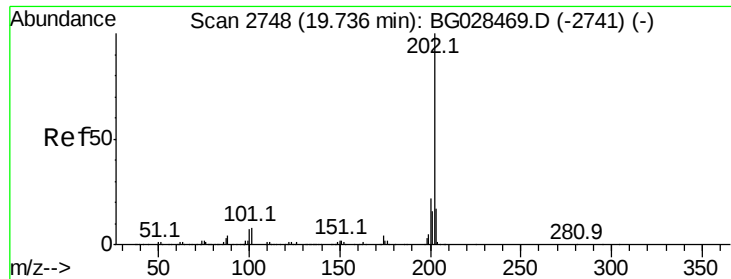
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#71  
Anthracene  
Concen: 1.135 ng/ul  
RT: 17.83 min Scan# 2423  
Delta R.T. -0.01 min  
Lab File: BG028475.D  
Acq: 25 Aug 2017 00:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 18.2  | 12.6  | 19.0  |
| 176     | 16.5  | 15.9  | 23.9  |





#74

Fluoranthene

Concen: 7.787 ng/ul

RT: 19.74 min Scan# 2748

Delta R.T. -0.00 min

Lab File: BG028475.D

Acq: 25 Aug 2017 00:44

Instrument :

BNA\_G

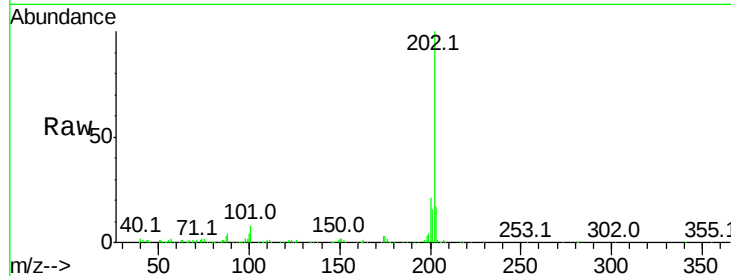
ClientSampled :

B0AN6

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 202   | Resp: | 145147 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 7.7   | 6.2   | 9.2    |
| 100       | 4.5   | 5.2   | 7.8#   |

Manual Integrations  
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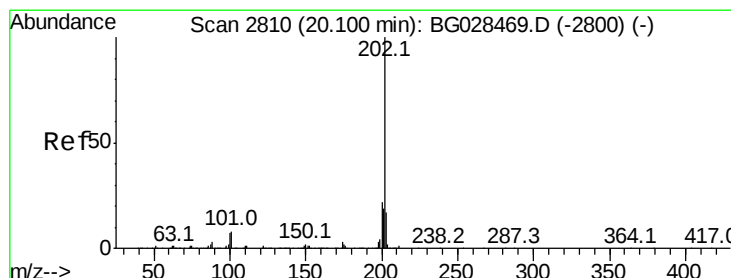
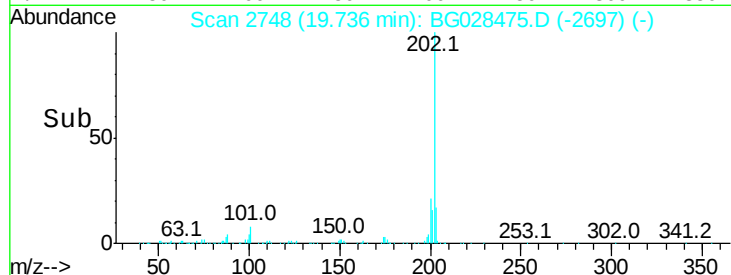
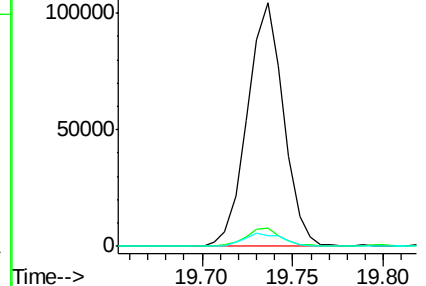
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 6.202 ng/ul

RT: 20.10 min Scan# 2810

Delta R.T. -0.00 min

Lab File: BG028475.D

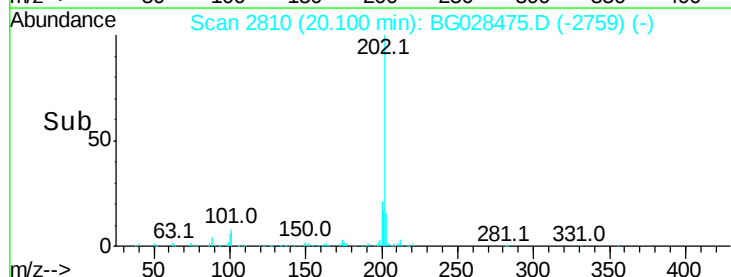
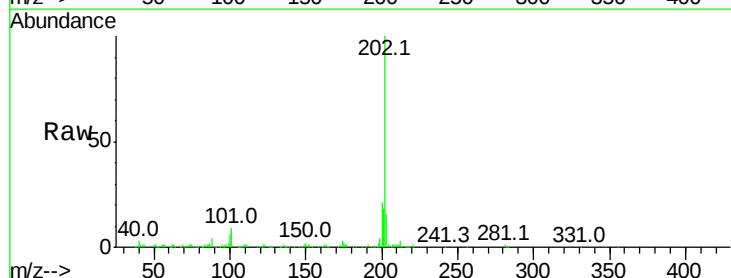
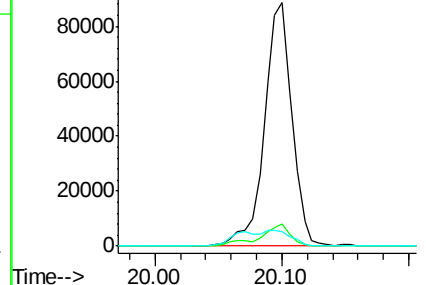
Acq: 25 Aug 2017 00:44

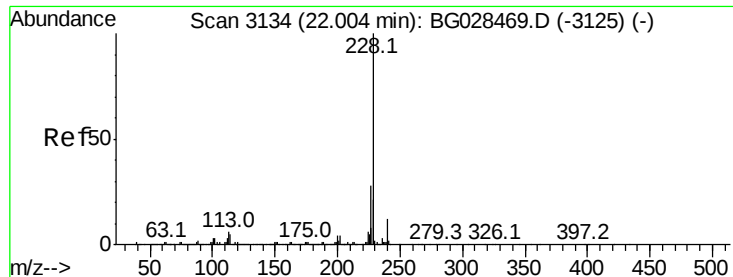
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 134396 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 9.0   | 6.9   | 10.3   |
| 100       | 6.1   | 6.6   | 10.0#  |

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





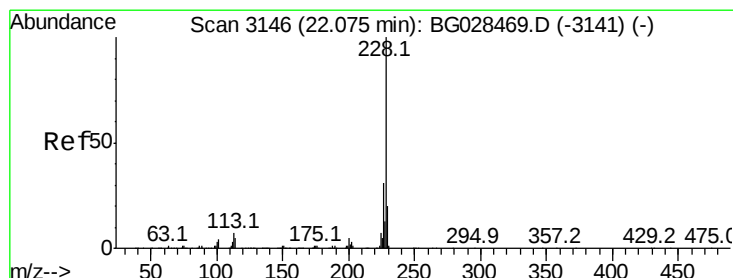
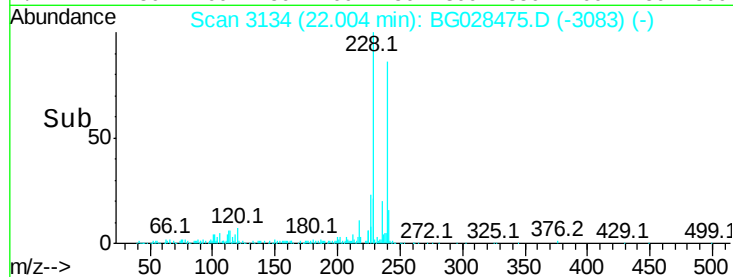
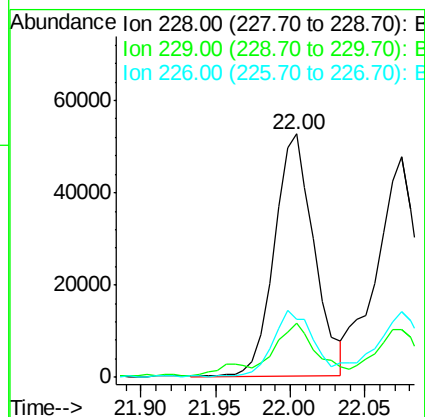
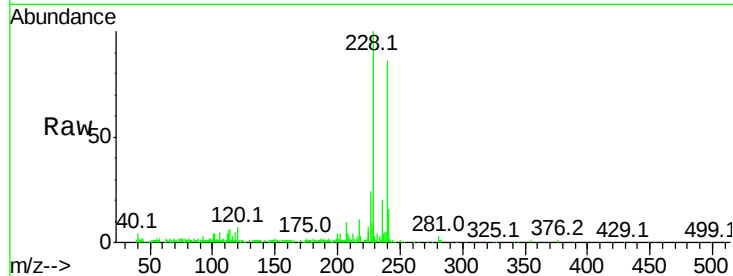
#80  
Benzo(a)anthracene  
Concen: 4.663 ng/ul  
RT: 22.00 min Scan# 3134  
Delta R.T. -0.00 min  
Lab File: BG028475.D  
Acq: 25 Aug 2017 00:44

Instrument :  
BNA\_G  
ClientSampleId :  
B0AN6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 22.4  | 16.3  | 24.5  |
| 226     | 23.7  | 21.9  | 32.9  |

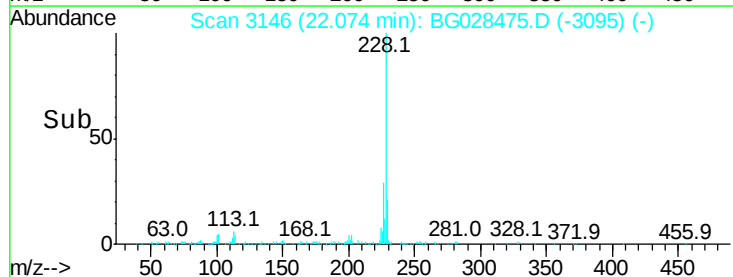
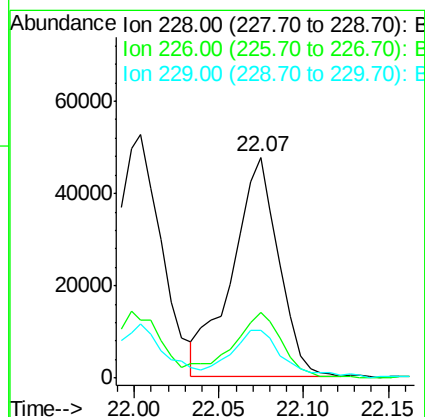
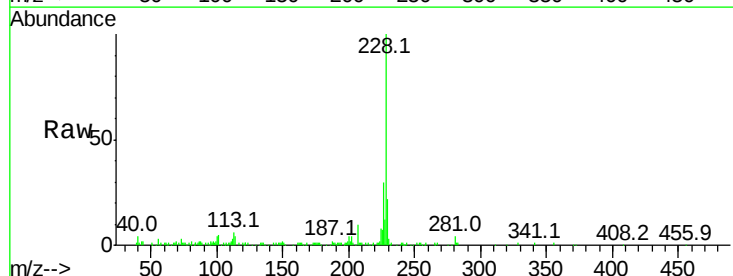
Manual Integrations  
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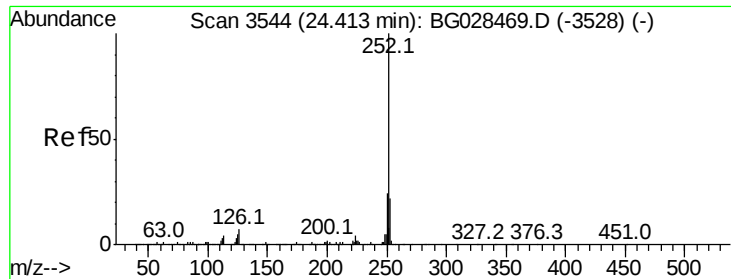
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8/25/2017 5:43:56 PM



#82  
Chrysene  
Concen: 4.810 ng/ul  
RT: 22.07 min Scan# 3146  
Delta R.T. -0.00 min  
Lab File: BG028475.D  
Acq: 25 Aug 2017 00:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.7  | 24.0  | 36.0  |
| 229     | 21.7  | 16.9  | 25.3  |





#85

Benzo(b)fluoranthene

Concen: 5.600 ng/ul

RT: 24.40 min Scan# 3542

Delta R.T. -0.01 min

Lab File: BG028475.D

Acq: 25 Aug 2017 00:44

Instrument :

BNA\_G

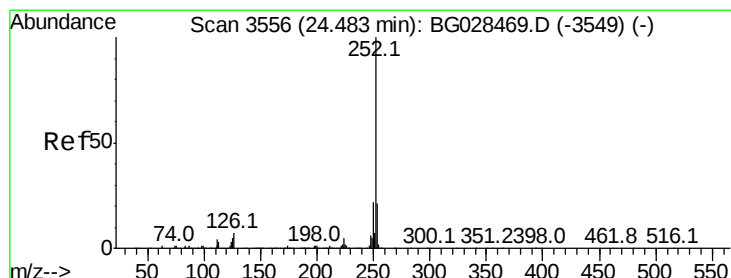
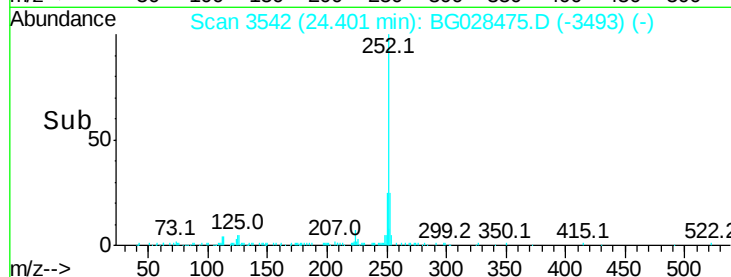
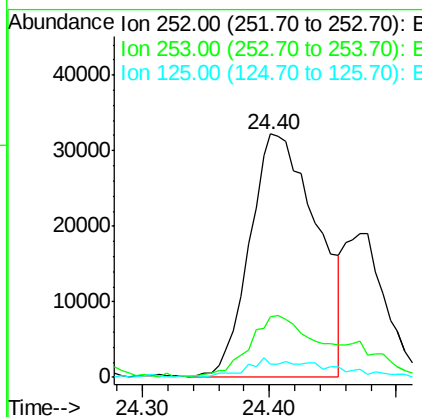
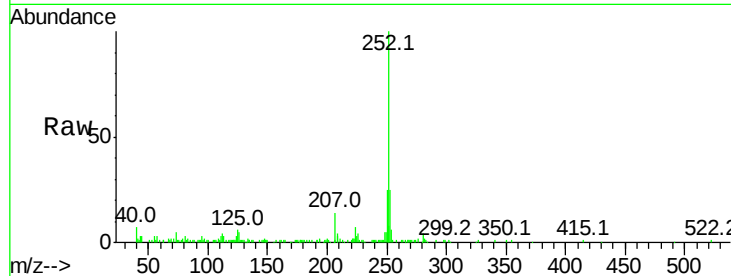
ClientSampleId :

B0AN6

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 118956 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 25.1  | 17.7  | 26.5   |
| 125       | 5.7   | 4.0   | 6.0    |

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#86

Benzo(k)fluoranthene

Concen: 2.044 ng/ul m

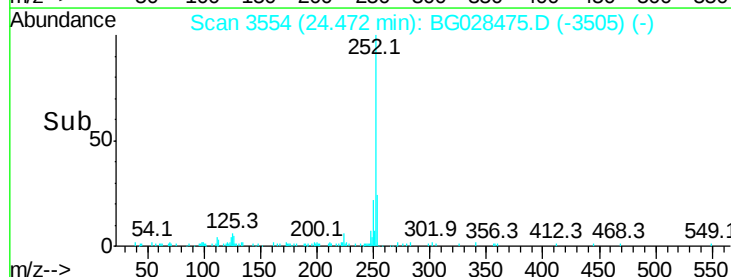
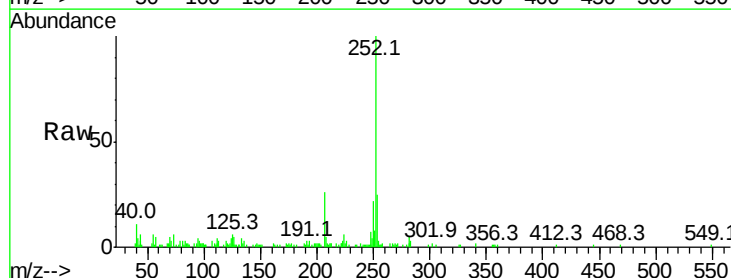
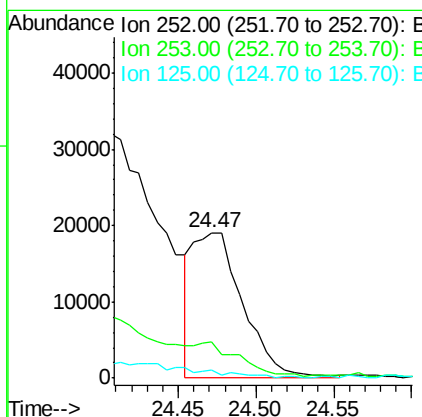
RT: 24.47 min Scan# 3554

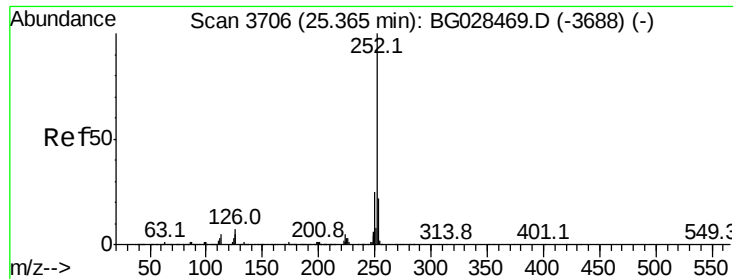
Delta R.T. -0.01 min

Lab File: BG028475.D

Acq: 25 Aug 2017 00:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 42404 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 24.9  | 18.5  | 27.7  |
| 125       | 5.8   | 4.1   | 6.1   |





#88

Benzo(a)pyrene

Concen: 4.269 ng/ul

RT: 25.35 min Scan# 3704

Delta R.T. -0.01 min

Lab File: BG028475.D

Acq: 25 Aug 2017 00:44

Instrument :

BNA\_G

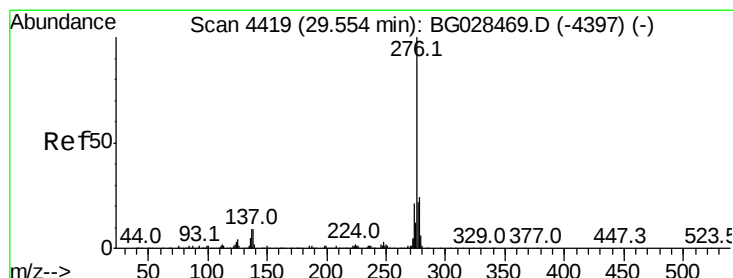
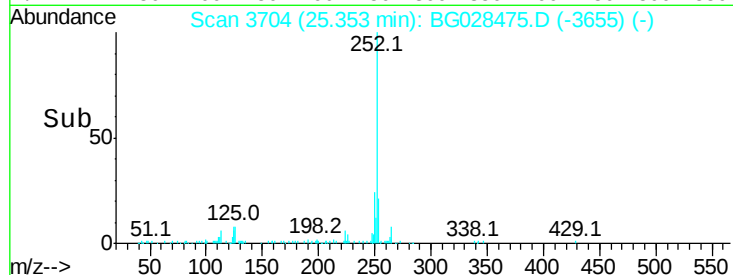
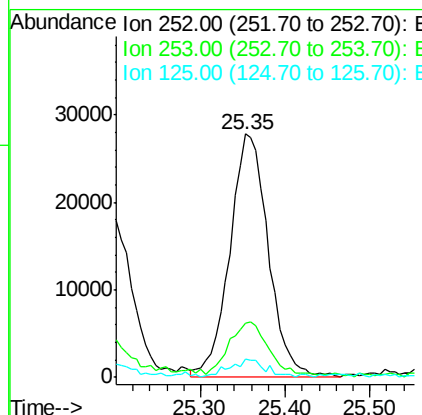
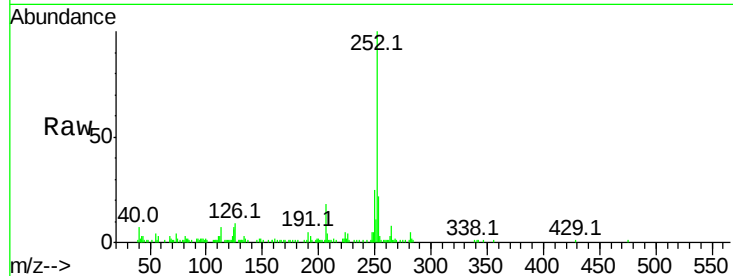
ClientSampleId :

B0AN6

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 87805 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 22.1  | 17.8  | 26.6  |
| 125       | 7.4   | 5.4   | 8.0   |

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#89

Indeno(1,2,3-cd)pyrene

Concen: 1.853 ng/ul

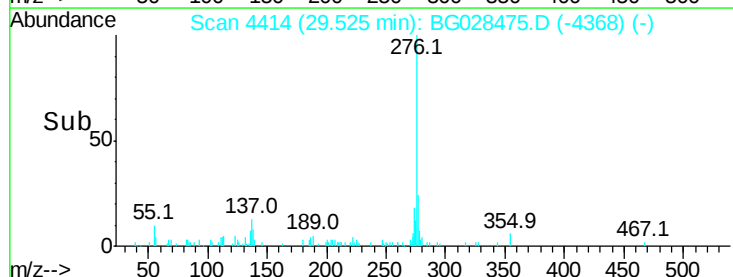
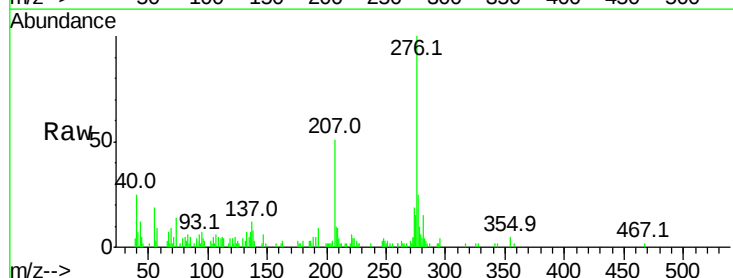
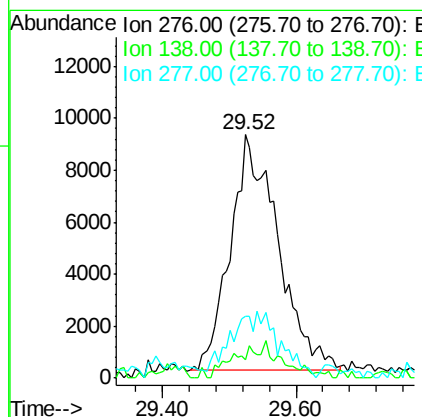
RT: 29.52 min Scan# 4414

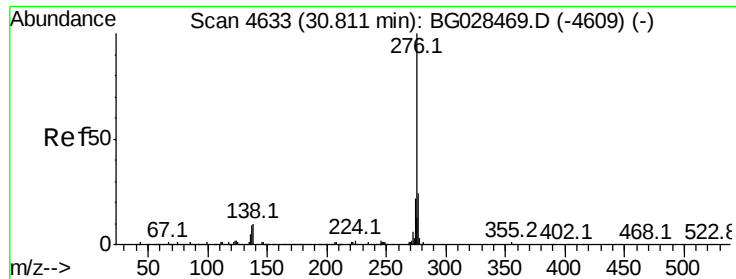
Delta R.T. -0.03 min

Lab File: BG028475.D

Acq: 25 Aug 2017 00:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 44628 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 7.5   | 8.2   | 12.4# |
| 277       | 25.2  | 18.6  | 28.0  |





#91

Benzo(a,h,i)perylene

Concen: 2.060 ng/ul

RT: 30.79 min Scan# 4630

Delta R.T. -0.02 min

Lab File: BG028475.D

Acq: 25 Aug 2017 00:44

Instrument :

BNA\_G

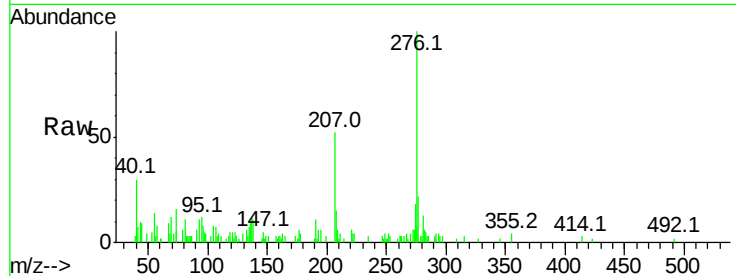
ClientSampleId :

B0AN6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 10.7  | 8.6   | 12.8  |
| 277     | 21.8  | 17.6  | 26.4  |

Manual Integrations  
APPROVED

Sohil  
8/25/2017 5:43:56 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

